

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN121020\
 Data File : VN065042.D
 Acq On : 10 Dec 2020 11:59
 Operator : JC/MD
 Sample : VSTDIC150
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Manual Integrations
 APPROVED

MMDadoda
 12/11/2020 12:32:25 PM

Quant Time: Dec 10 14:22:25 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N121020W.M
 Quant Title : SW846 8260
 QLast Update : Thu Dec 10 14:05:55 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.62	168	203304	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	314640	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	283853	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.31	152	149287	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.99	65	366651	155.11	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	310.22%#
35) Dibromofluoromethane	7.55	113	318342	166.54	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	333.08%#
50) Toluene-d8	10.06	98	1252516	162.03	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	324.06%#
62) 4-Bromofluorobenzene	12.37	95	445751	161.93	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	323.86%#

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	195342	114.943	ug/l	98
3) Chloromethane	2.04	50	260807	117.305	ug/l	99
4) Vinyl Chloride	2.17	62	289103	124.048	ug/l	99
5) Bromomethane	2.51	94	192062	125.567	ug/l	98
6) Chloroethane	2.66	64	189820	130.163	ug/l	97
7) Trichlorofluoromethane	2.98	101	438654	134.432	ug/l	95
8) Diethyl Ether	3.37	74	181111	140.316	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.71	101	274265	139.689	ug/l	99
10) Methyl Iodide	3.91	142	371035	148.321	ug/l	98
11) Tert butyl alcohol	4.75	59	232426	657.255	ug/l	99
12) 1,1-Dichloroethene	3.69	96	265801	137.383	ug/l	97
13) Acrolein	3.57	56	193240	853.264	ug/l	98
14) Allyl chloride	4.27	41	447988	140.171	ug/l	98
15) Acrylonitrile	4.93	53	725848	724.772	ug/l	99
16) Acetone	3.78	43	606180	763.686	ug/l	99
17) Carbon Disulfide	4.01	76	624077	113.124	ug/l	100
18) Methyl Acetate	4.28	43	342540	147.561	ug/l	99
19) Methyl tert-butyl Ether	4.99	73	942942	150.894	ug/l	99
20) Methylene Chloride	4.50	84	318999	131.836	ug/l	99
21) trans-1,2-Dichloroethene	4.98	96	291073	135.229	ug/l	100
22) Diisopropyl ether	5.90	45	971152	150.455	ug/l	97
23) Vinyl Acetate	5.85	43	3893576	759.438	ug/l	99
24) 1,1-Dichloroethane	5.79	63	562309	145.802	ug/l	100
25) 2-Butanone	6.79	43	918000	740.110	ug/l	98
26) 2,2-Dichloropropane	6.77	77	482849	144.419	ug/l	100
27) cis-1,2-Dichloroethene	6.78	96	356006	145.957	ug/l	99
28) Bromochloromethane	7.15	49	263416	149.138	ug/l	99
29) Tetrahydrofuran	7.17	42	592412	698.253	ug/l	98
30) Chloroform	7.33	83	575499	143.814	ug/l	99
31) Cyclohexane	7.61	56	421361	131.103	ug/l	97
32) 1,1,1-Trichloroethane	7.53	97	495861	144.934	ug/l	99
36) 1,1-Dichloropropene	7.75	75	424437	146.872	ug/l	99
37) Ethyl Acetate	6.88	43	376525	137.372	ug/l	99
38) Carbon Tetrachloride	7.73	117	437272	145.217	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.05	83	429941	140.373	ug/l	97
40) Benzene	8.00	78	1267058	143.082	ug/l	100
41) Methacrylonitrile	7.12	41	196998	149.097	ug/l	95
42) 1,2-Dichloroethane	8.08	62	425101	142.045	ug/l	100
43) Isopropyl Acetate	8.13	43	650828	146.630	ug/l #	91
44) Trichloroethene	8.80	130	353784	135.968	ug/l	99
45) 1,2-Dichloropropane	9.08	63	349752	151.206	ug/l	99
46) Dibromomethane	9.17	93	223768	145.336	ug/l	99
47) Bromodichloromethane	9.37	83	465832	150.365	ug/l	98
48) Methyl methacrylate	9.16	41	308578	145.534	ug/l	97
49) 1,4-Dioxane	9.17	88	108878	2722.773	ug/l	98
51) 4-Methyl-2-Pentanone	9.95	43	1910101	717.601	ug/l	99
52) Toluene	10.12	92	815147	149.062	ug/l	100
53) t-1,3-Dichloropropene	10.35	75	524790	152.831	ug/l	99
54) cis-1,3-Dichloropropene	9.81	75	570847	154.730	ug/l	99
55) 1,1,2-Trichloroethane	10.53	97	328628	145.156	ug/l	99
56) Ethyl methacrylate	10.40	69	486021	158.342	ug/l	99
57) 1,3-Dichloropropane	10.68	76	546679	147.380	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.66	63	1330724	786.459	ug/l	100
59) 2-Hexanone	10.72	43	1396352	729.556	ug/l	99
60) Dibromochloromethane	10.87	129	387030	154.492	ug/l	99
61) 1,2-Dibromoethane	10.97	107	334928	146.552	ug/l	98
64) Tetrachloroethene	10.60	164	355889	130.497	ug/l	98
65) Chlorobenzene	11.41	112	895090	146.498	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.48	131	345116	153.715	ug/l	99
67) Ethyl Benzene	11.48	91	1565228	154.421	ug/l	99
68) m/p-Xylenes	11.59	106	1207794	312.898	ug/l	99
69) o-Xylene	11.92	106	579687	158.535	ug/l	99
70) Styrene	11.94	104	1007279	163.078	ug/l	99
71) Bromoform	12.10	173	271698	152.338	ug/l #	99
73) Isopropylbenzene	12.22	105	1527794	147.755	ug/l	100
74) N-amyl acetate	12.04	43	581862	145.523	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.48	83	440800	144.925	ug/l	99
76) 1,2,3-Trichloropropane	12.53	75	435259m	137.493	ug/l	
77) Bromobenzene	12.50	156	392548	140.408	ug/l	99
78) n-propylbenzene	12.56	91	1746796	148.855	ug/l	99
79) 2-Chlorotoluene	12.65	91	1040012	143.177	ug/l	99
80) 1,3,5-Trimethylbenzene	12.71	105	1308905	152.399	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.27	75	167838	146.648	ug/l	98
82) 4-Chlorotoluene	12.75	91	1101439	144.537	ug/l	99
83) tert-Butylbenzene	12.97	119	1091521	151.579	ug/l	100
84) 1,2,4-Trimethylbenzene	13.01	105	1334131	153.288	ug/l	100
85) sec-Butylbenzene	13.14	105	1411271	148.411	ug/l	99
86) p-Isopropyltoluene	13.26	119	1330191	153.657	ug/l	100
87) 1,3-Dichlorobenzene	13.26	146	719709	144.850	ug/l	99
88) 1,4-Dichlorobenzene	13.34	146	720481	137.175	ug/l	99
89) n-Butylbenzene	13.59	91	1129136	149.328	ug/l	100
90) Hexachloroethane	13.85	117	233802	154.600	ug/l	97
91) 1,2-Dichlorobenzene	13.63	146	708639	145.191	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.24	75	94848	141.633	ug/l	98

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VSTDICC150

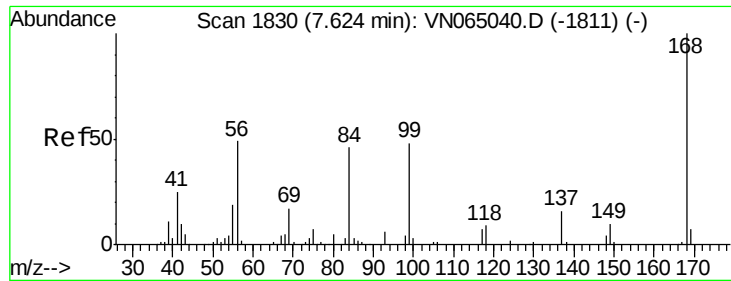
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.88	180	414871	140.528	ug/l	99
94) Hexachlorobutadiene	14.98	225	193584	128.612	ug/l	99
95) Naphthalene	15.10	128	1258938	142.919	ug/l	100
96) 1,2,3-Trichlorobenzene	15.28	180	389288	134.116	ug/l	100

(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.62 min Scan# 1830

Delta R.T. 0.00 min

Lab File: VN065042.D

Acq: 10 Dec 2020 11:59

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion:168 Resp: 203304

Ion Ratio Lower Upper

168 100

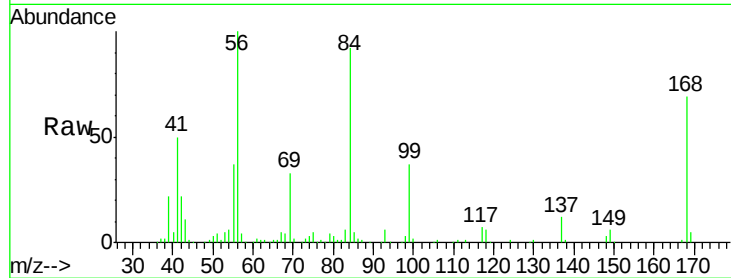
99 53.6 44.0 66.0

Manual Integrations

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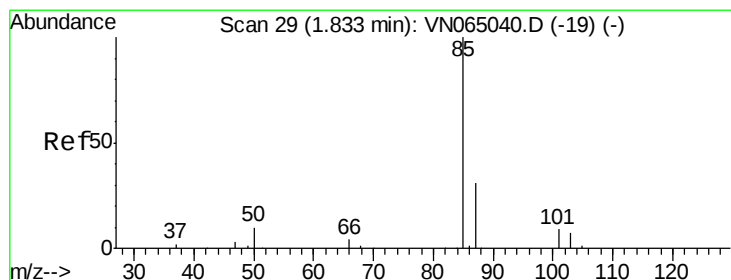
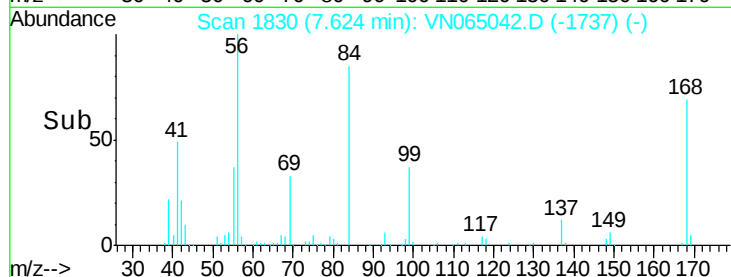
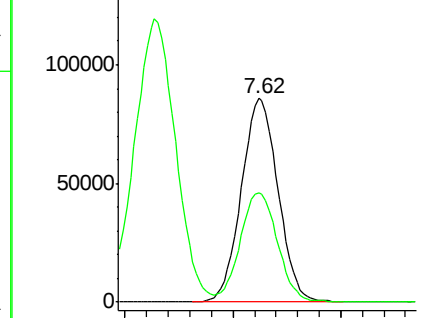
MMDadoda

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#2

Dichlorodifluoromethane

Concen: 114.943 ug/l

RT: 1.83 min Scan# 29

Delta R.T. 0.00 min

Lab File: VN065042.D

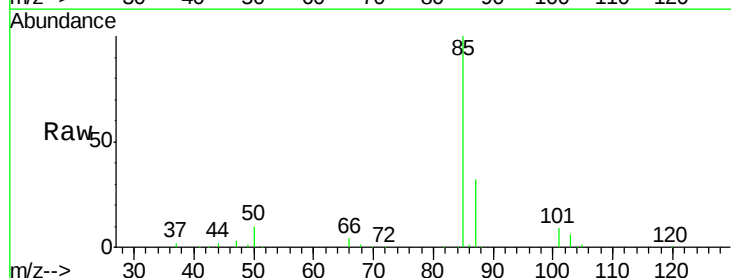
Acq: 10 Dec 2020 11:59

Tgt Ion: 85 Resp: 195342

Ion Ratio Lower Upper

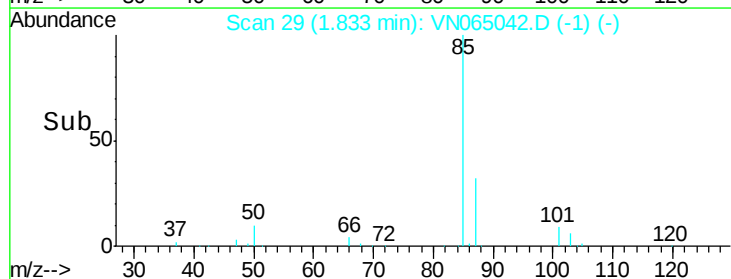
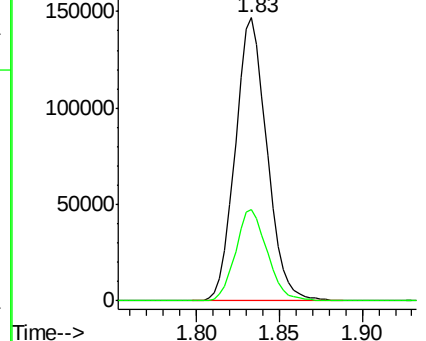
85 100

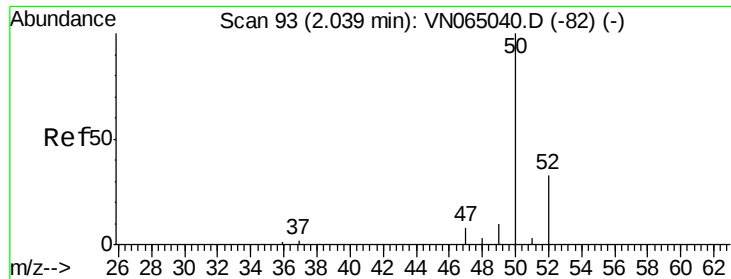
87 32.5 15.8 47.3



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO





#3

Chloromethane

Concen: 117.305 ug/l

RT: 2.04 min Scan# 93

Delta R.T. 0.00 min

Lab File: VN065042.D

Acq: 10 Dec 2020 11:59

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion: 50 Resp: 260807

Ion Ratio Lower Upper

50 100

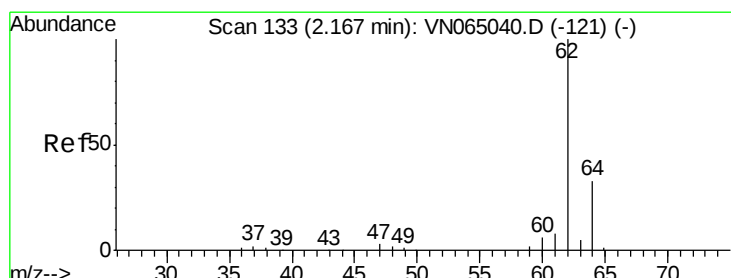
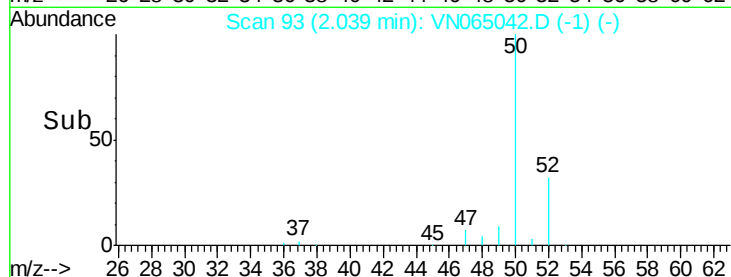
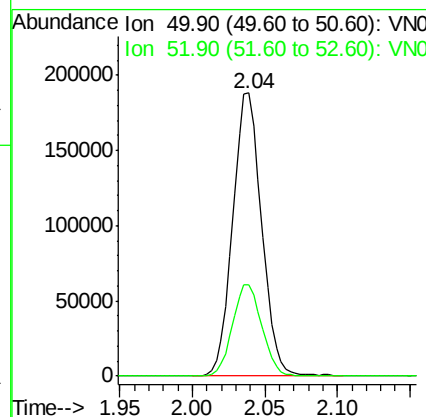
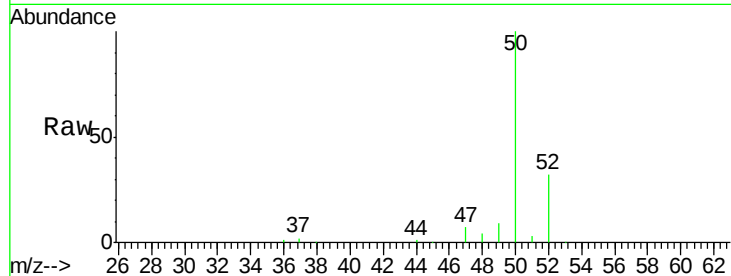
52 32.3 26.5 39.7

Manual Integrations

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#4

Vinyl Chloride

Concen: 124.048 ug/l

RT: 2.17 min Scan# 133

Delta R.T. 0.00 min

Lab File: VN065042.D

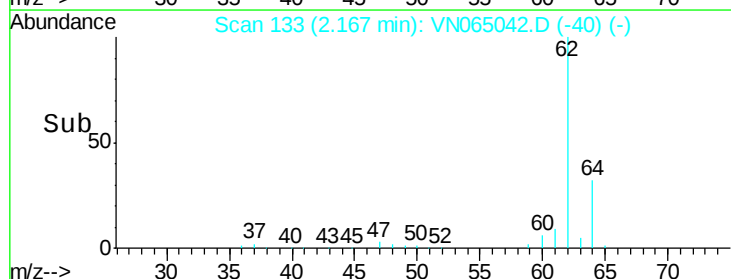
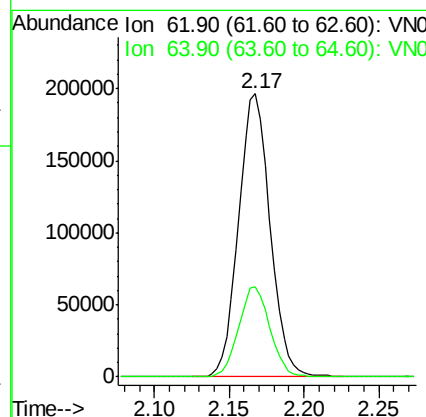
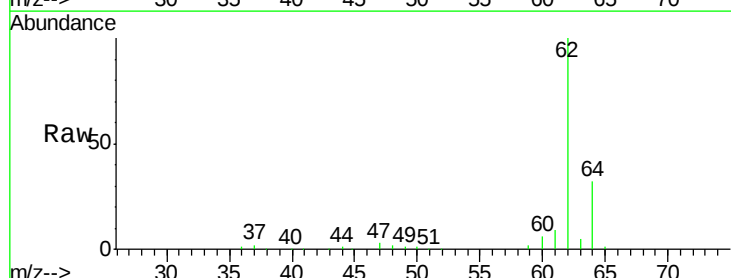
Acq: 10 Dec 2020 11:59

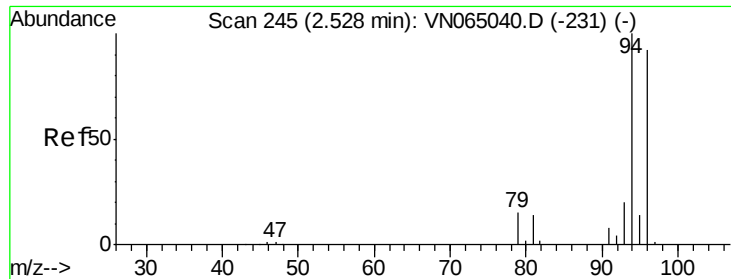
Tgt Ion: 62 Resp: 289103

Ion Ratio Lower Upper

62 100

64 31.8 26.1 39.1





#5

Bromomethane

Concen: 125.567 ug/l

RT: 2.51 min Scan# 238

Delta R.T. -0.02 min

Lab File: VN065042.D

Acq: 10 Dec 2020 11:59

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion: 94 Resp: 192062

Ion Ratio Lower Upper

94 100

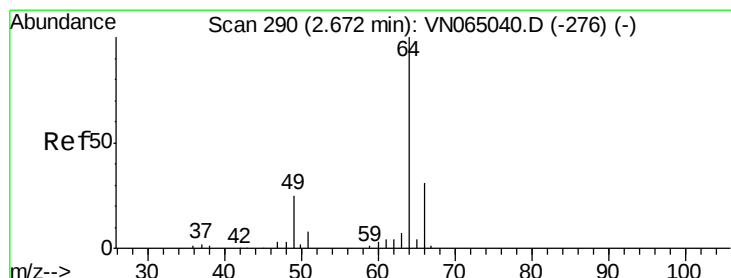
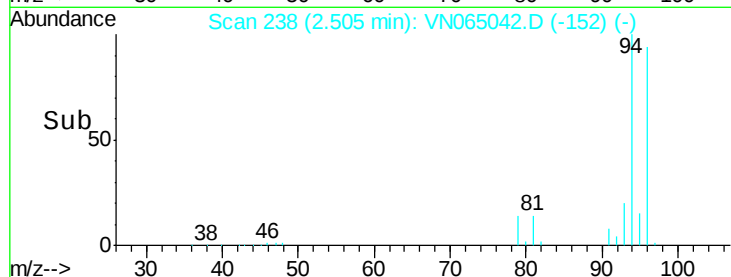
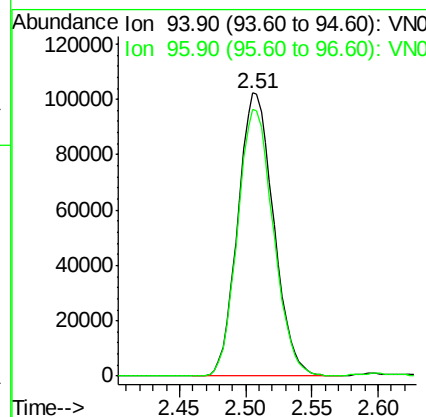
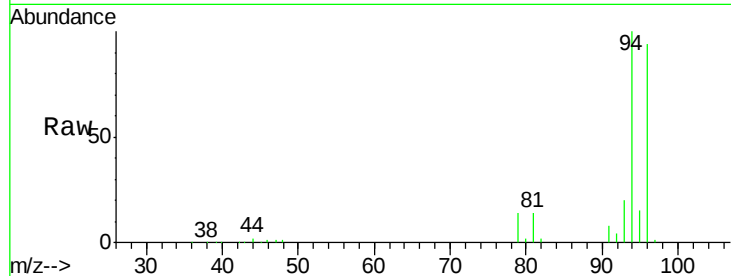
96 94.3 73.8 110.8

Manual Integrations

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#6

Chloroethane

Concen: 130.163 ug/l

RT: 2.66 min Scan# 286

Delta R.T. -0.01 min

Lab File: VN065042.D

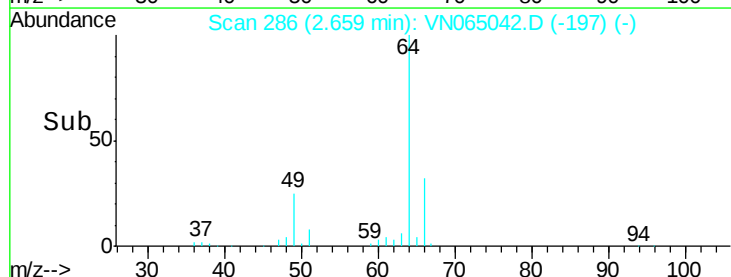
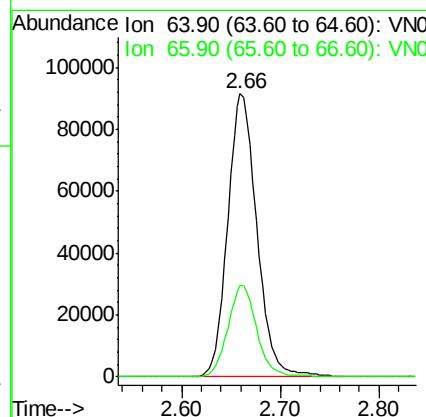
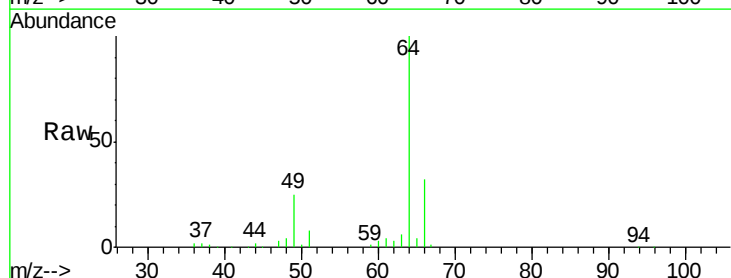
Acq: 10 Dec 2020 11:59

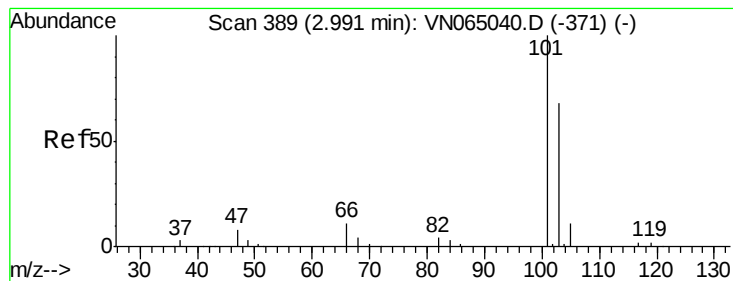
Tgt Ion: 64 Resp: 189820

Ion Ratio Lower Upper

64 100

66 32.3 24.6 37.0





#7

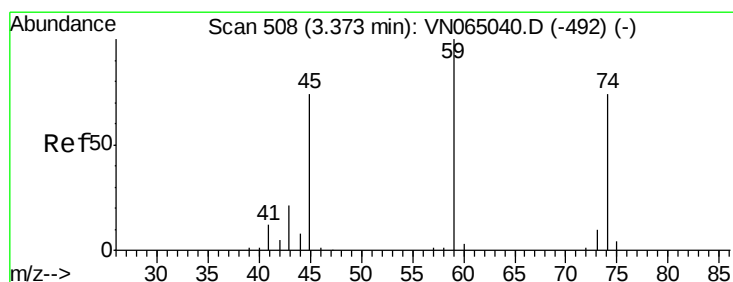
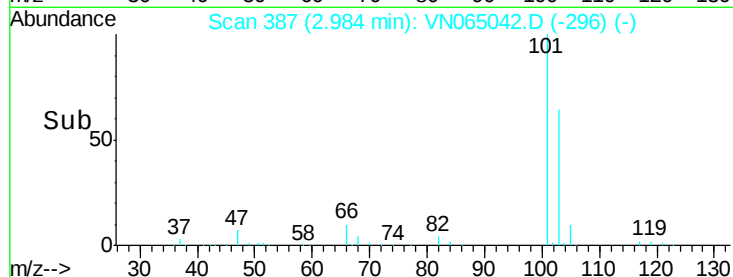
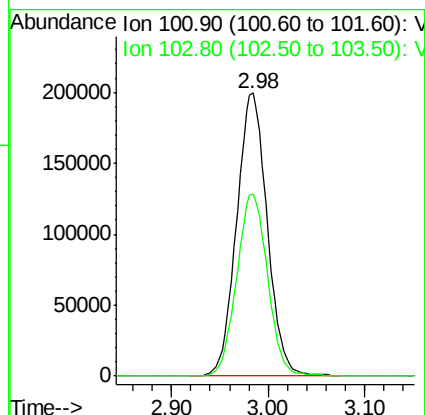
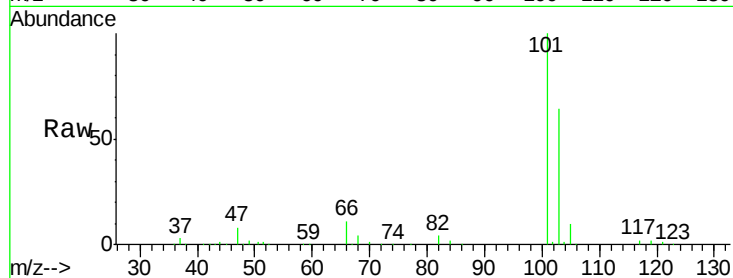
Trichlorofluoromethane
Concen: 134.432 ug/l
RT: 2.98 min Scan# 387
Delta R.T. -0.01 min
Lab File: VN065042.D
Acq: 10 Dec 2020 11:59

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ClientSampleId :
VSTDIC150

Tot Ion:101 Resp: 438654
Ion Ratio Lower Upper
101 100
103 64.4 54.5 81.7

Manual Integrations
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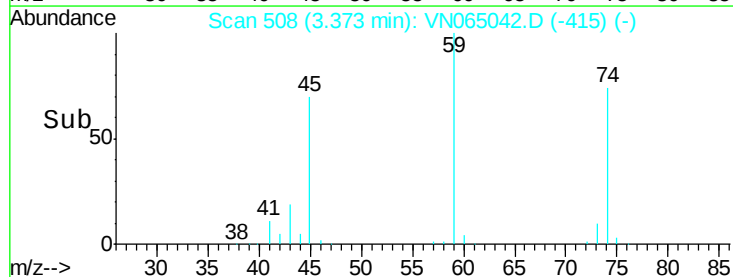
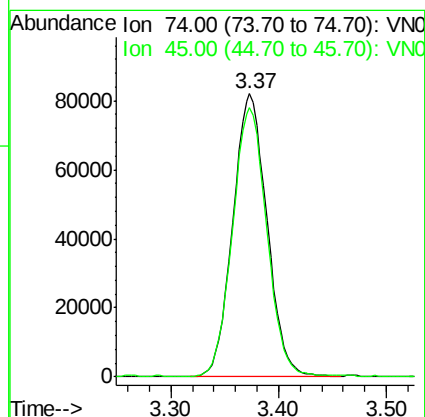
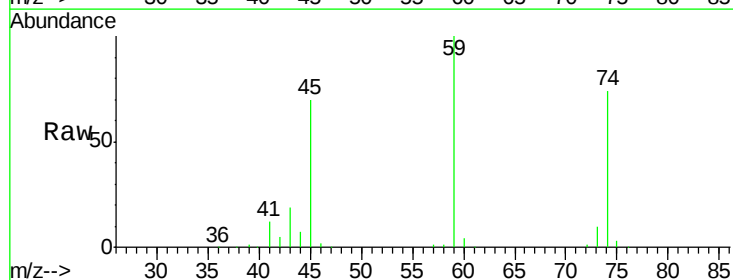
MMDadoda
12/11/2020 12:32:25 PM

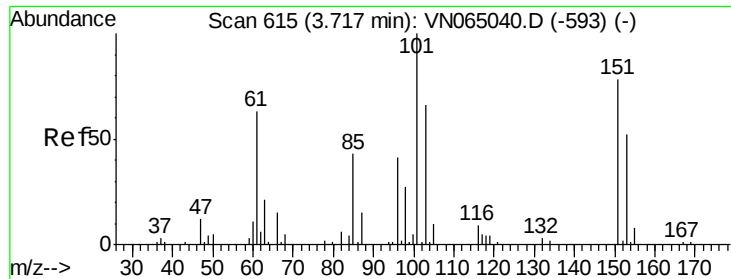


#8

Diethyl Ether
Concen: 140.316 ug/l
RT: 3.37 min Scan# 508
Delta R.T. 0.00 min
Lab File: VN065042.D
Acq: 10 Dec 2020 11:59

Tgt Ion: 74 Resp: 181111
Ion Ratio Lower Upper
74 100
45 95.8 49.1 147.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 139.689 ug/l

RT: 3.71 min Scan# 613

Delta R.T. -0.01 min

Lab File: VN065042.D

Acq: 10 Dec 2020 11:59

Instrument :

MSVOA_N

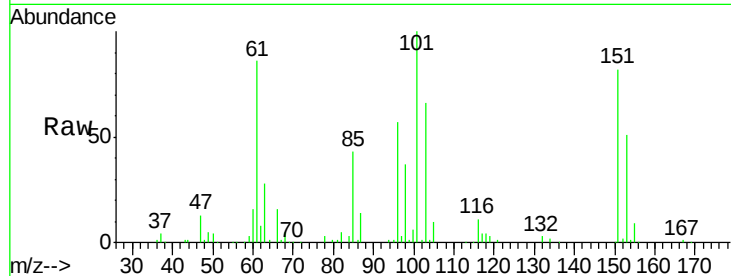
ClientSampleId :

VSTDIC150

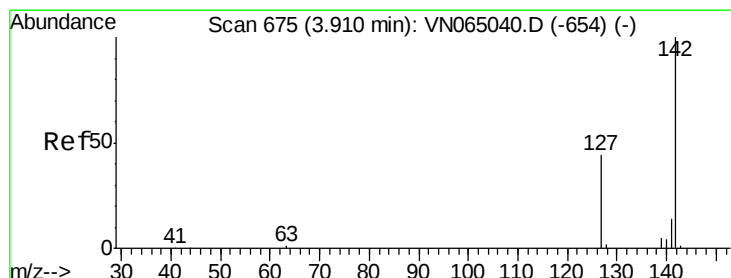
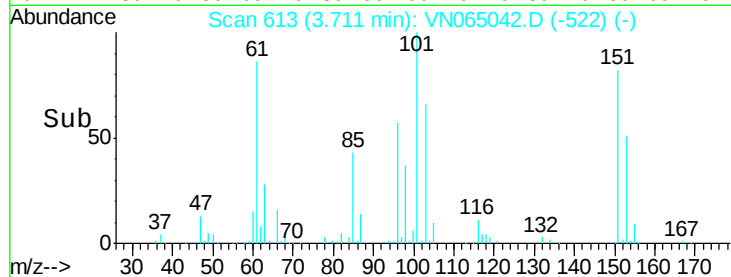
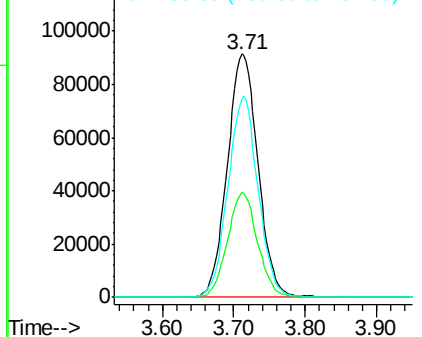
Tot Ion:	101	Resp:	274265
Ion Ratio	Lower	Upper	
101	100		
85	42.1	33.2	49.8
151	81.0	63.7	95.5

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Abundance Ion 100.90 (100.60 to 101.60): V
Ion 84.90 (84.60 to 85.60): V
Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 148.321 ug/l

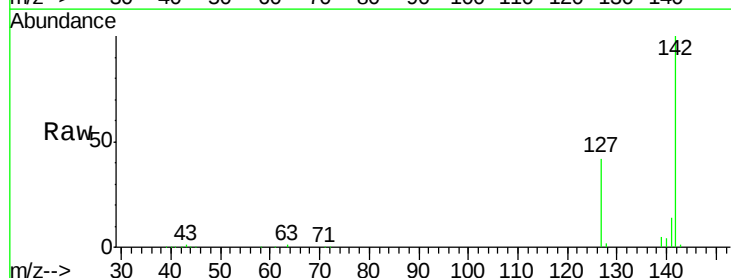
RT: 3.91 min Scan# 674

Delta R.T. -0.00 min

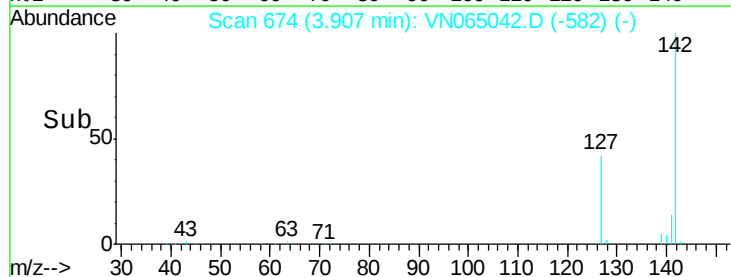
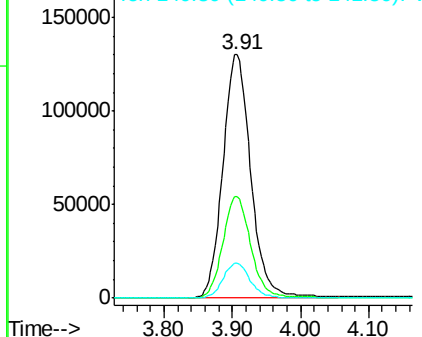
Lab File: VN065042.D

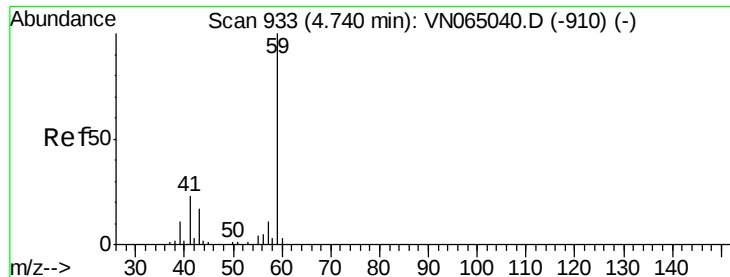
Acq: 10 Dec 2020 11:59

Tgt Ion:	142	Resp:	371035
Ion Ratio	Lower	Upper	
142	100		
127	41.4	34.6	52.0
141	14.0	10.9	16.3



Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V





#11

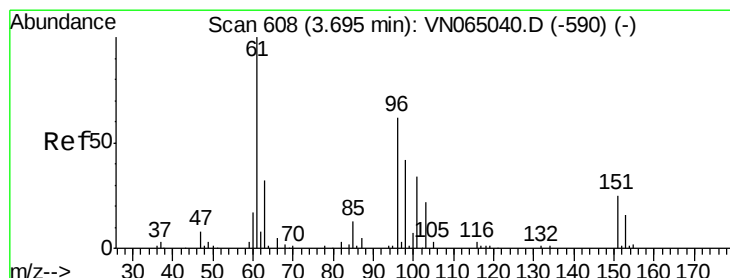
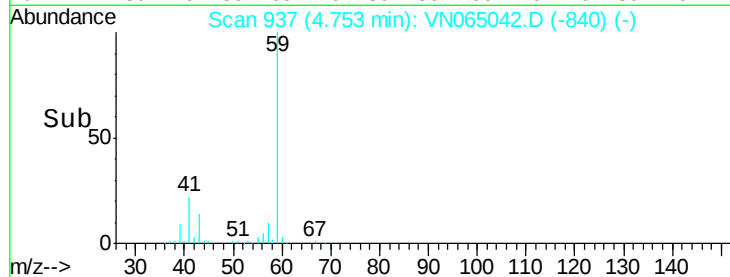
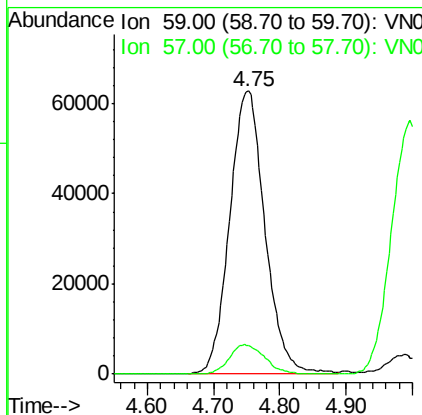
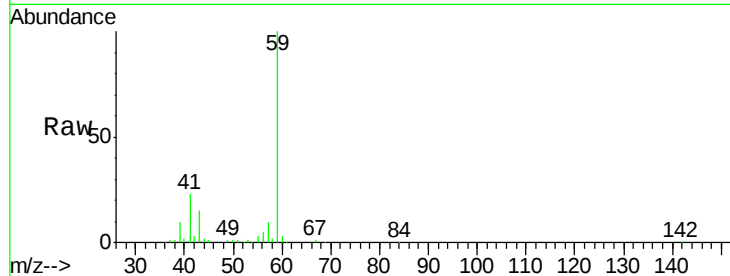
Tert butyl alcohol
Concen: 657.255 ug/l
RT: 4.75 min Scan# 937
Delta R.T. 0.01 min
Lab File: VN065042.D
Acq: 10 Dec 2020 11:59

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.5	8.6	12.8

Manual Integrations
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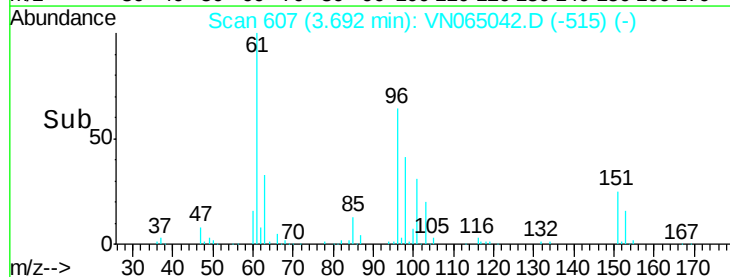
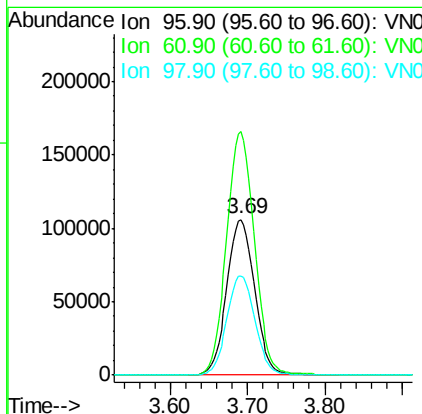
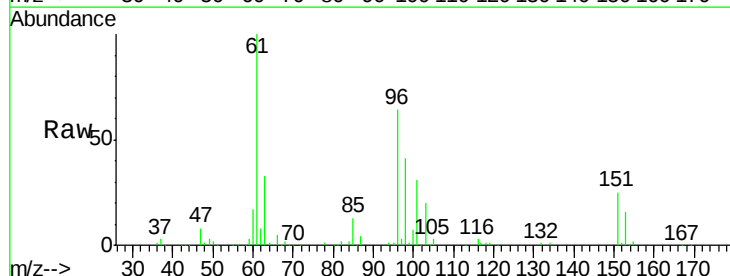
MMDadoda
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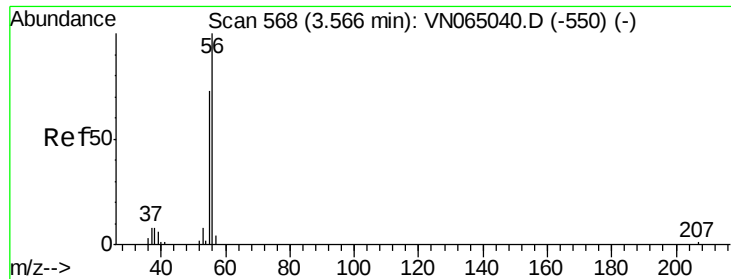


#12

1,1-Dichloroethene
Concen: 137.383 ug/l
RT: 3.69 min Scan# 607
Delta R.T. -0.00 min
Lab File: VN065042.D
Acq: 10 Dec 2020 11:59

Tgt Ion	Ratio	Lower	Upper
96	100		
61	156.6	128.4	192.6
98	64.1	53.6	80.4





#13

Acrolein

Concen: 853.264 ug/l

RT: 3.57 min Scan# 568

Delta R.T. 0.00 min

Lab File: VN065042.D

Acq: 10 Dec 2020 11:59

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion: 56 Resp: 193240

Ion Ratio Lower Upper

56 100

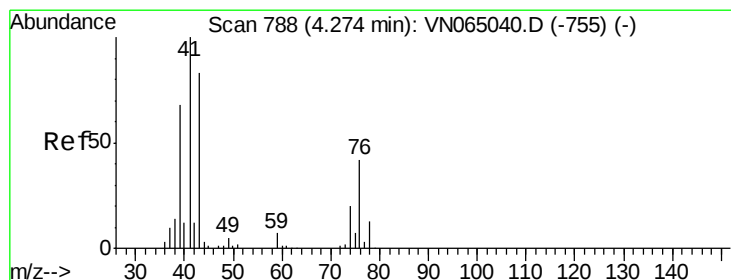
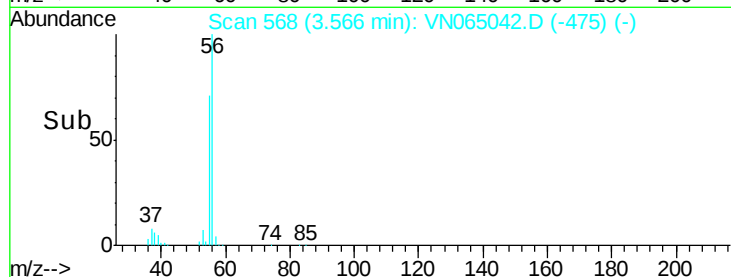
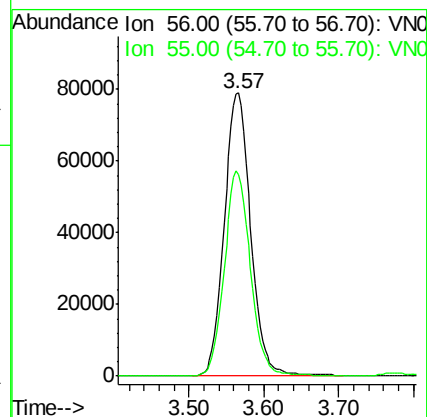
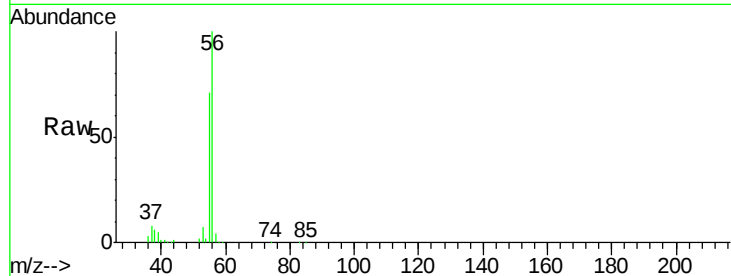
55 71.2 58.4 87.6

Manual Integrations

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#14

Allyl chloride

Concen: 140.171 ug/l

RT: 4.27 min Scan# 788

Delta R.T. 0.00 min

Lab File: VN065042.D

Acq: 10 Dec 2020 11:59

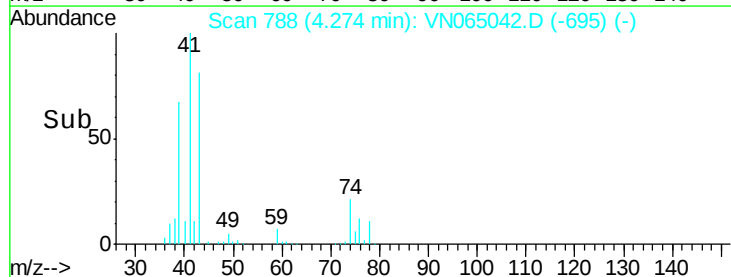
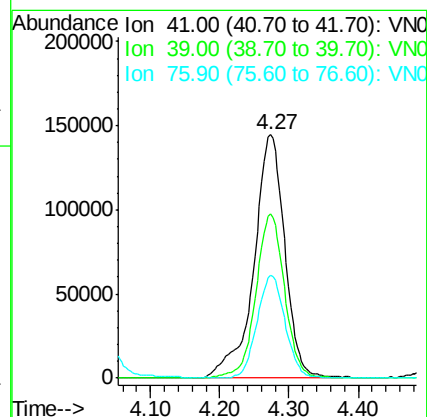
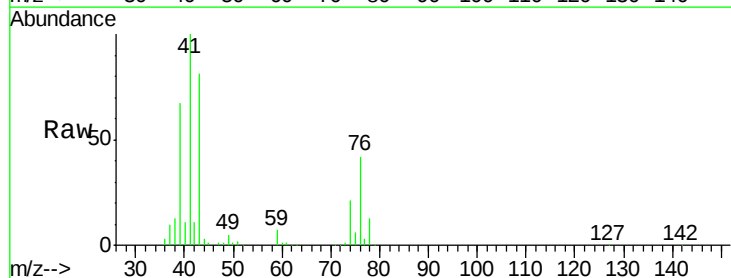
Tgt Ion: 41 Resp: 447988

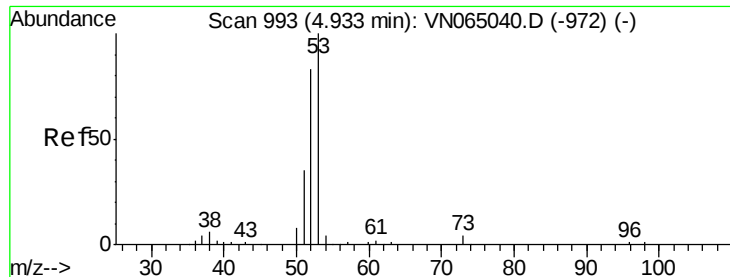
Ion Ratio Lower Upper

41 100

39 62.7 49.0 73.6

76 37.7 29.6 44.4





#15

Acrylonitrile

Concen: 724.772 ug/l

RT: 4.93 min Scan# 992

Delta R.T. -0.00 min

Lab File: VN065042.D

Acq: 10 Dec 2020 11:59

Instrument :

MSVOA_N

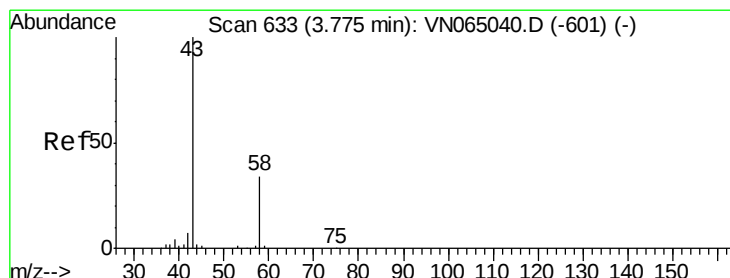
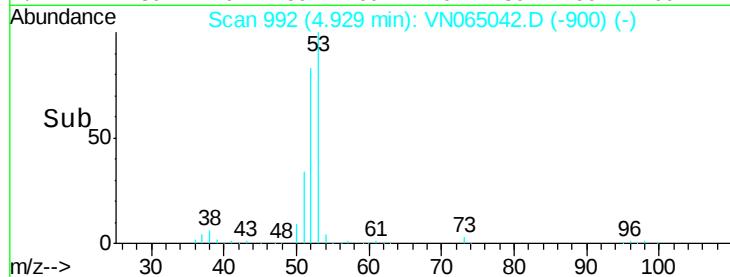
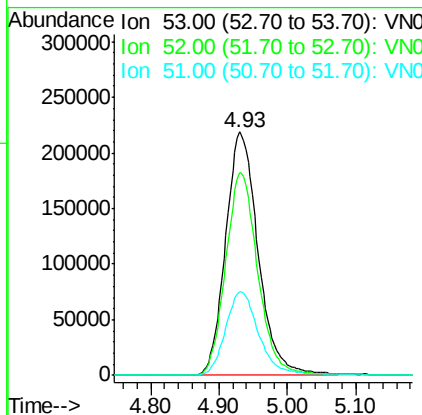
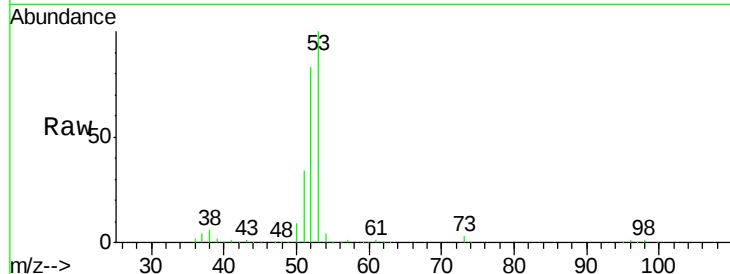
ClientSampleId :

VSTDIC150

Tot Ion:	53	Resp:	725848
Ion	Ratio	Lower	Upper
53	100		
52	82.1	65.4	98.0
51	35.2	27.8	41.6

Manual Integrations
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#16

Acetone

Concen: 763.686 ug/l

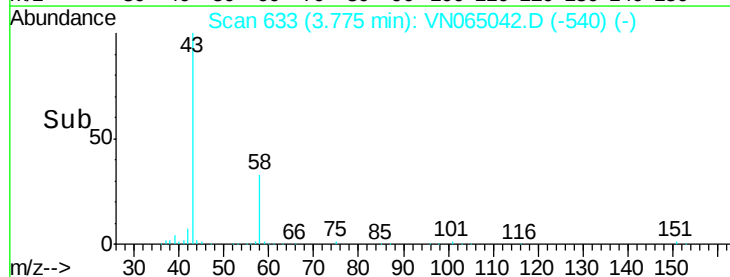
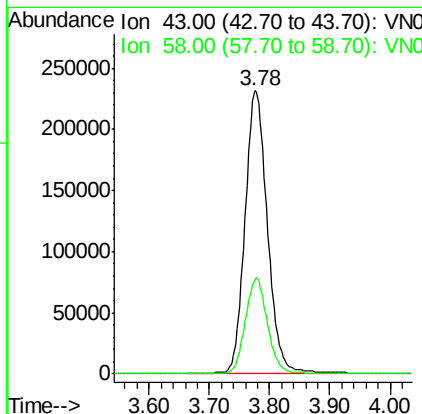
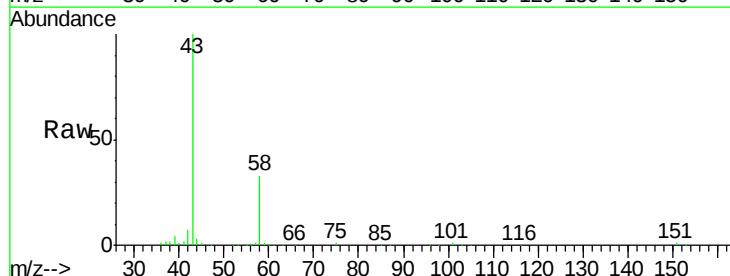
RT: 3.78 min Scan# 633

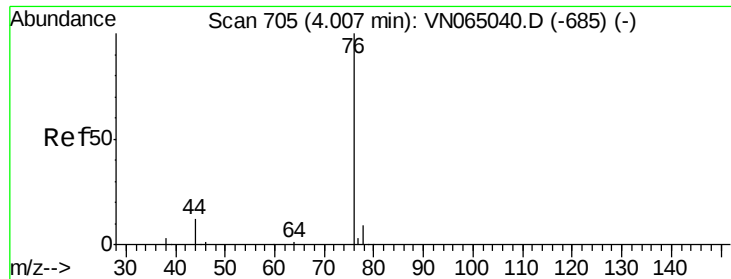
Delta R.T. 0.00 min

Lab File: VN065042.D

Acq: 10 Dec 2020 11:59

Tgt Ion:	43	Resp:	606180
Ion	Ratio	Lower	Upper
43	100		
58	33.1	26.8	40.2





#17

Carbon Disulfide

Concen: 113.124 ug/l

RT: 4.01 min Scan# 705

Delta R.T. 0.00 min

Lab File: VN065042.D

Acq: 10 Dec 2020 11:59

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion: 76 Resp: 624077

Ion Ratio Lower Upper

76 100

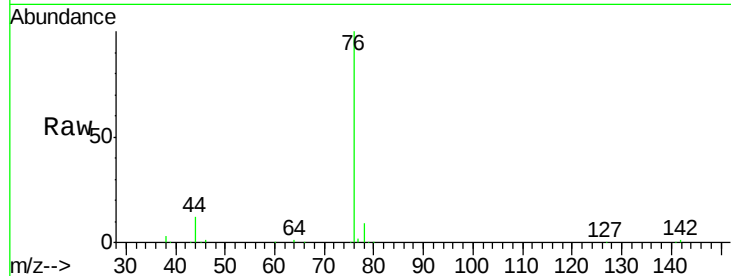
78 9.0 7.1 10.7

Manual Integrations

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Abundance Ion 75.90 (75.60 to 76.60): VN065042.D (-612) (-)

Ion 77.90 (77.60 to 78.60): VN065042.D (-612) (-)

4.01

250000

200000

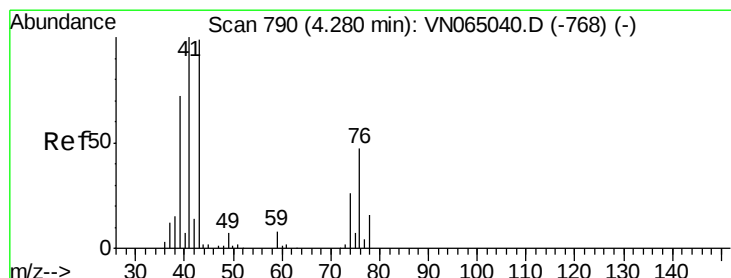
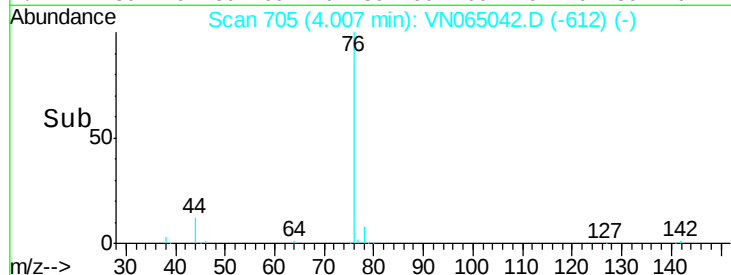
150000

100000

50000

0

Time-->



#18

Methyl Acetate

Concen: 147.561 ug/l

RT: 4.28 min Scan# 790

Delta R.T. 0.00 min

Lab File: VN065042.D

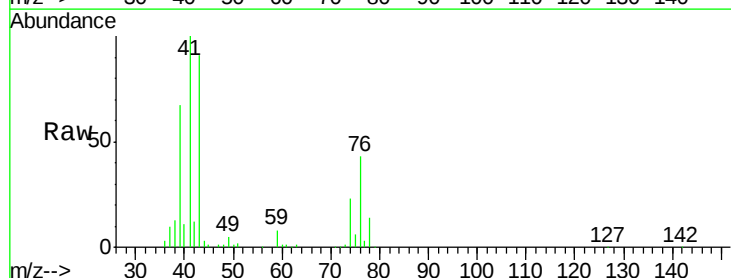
Acq: 10 Dec 2020 11:59

Tgt Ion: 43 Resp: 342540

Ion Ratio Lower Upper

43 100

74 25.8 20.1 30.1



Abundance Ion 43.00 (42.70 to 43.70): VN065042.D (-697) (-)

Ion 74.00 (73.70 to 74.70): VN065042.D (-697) (-)

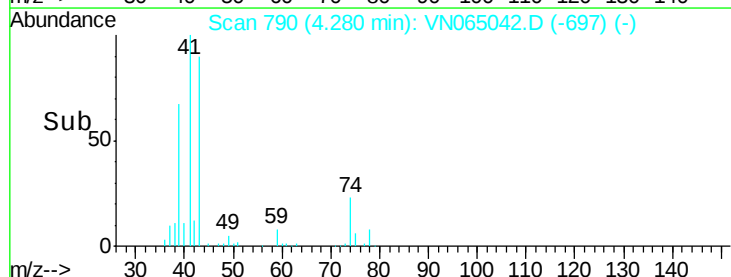
4.28

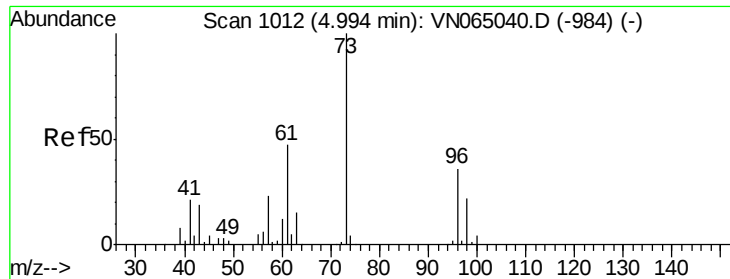
100000

50000

0

Time-->





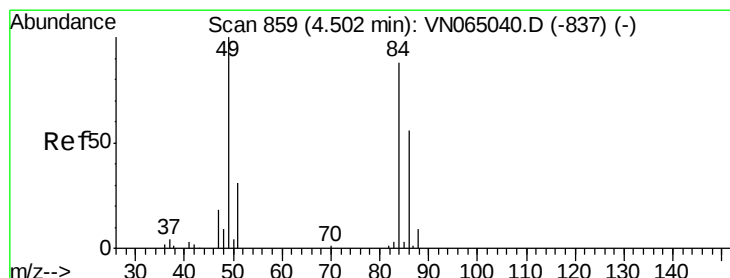
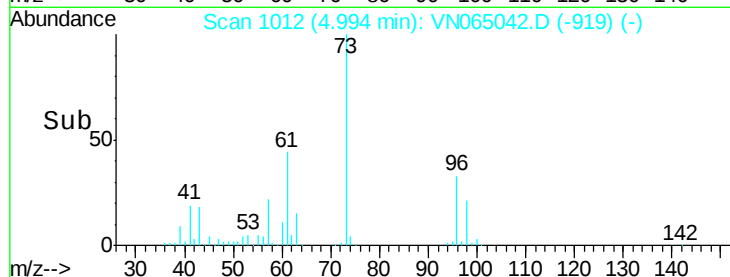
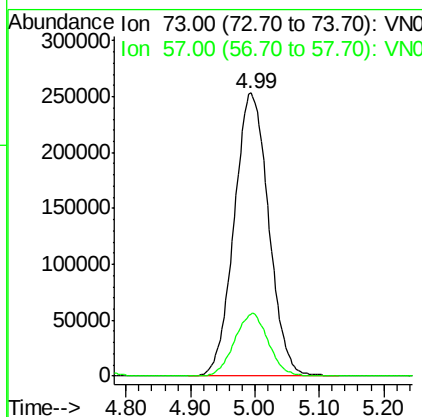
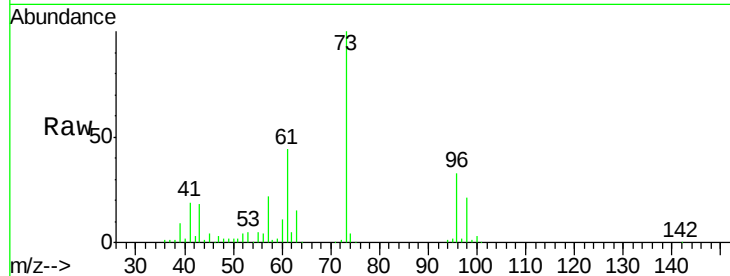
#19
Methvl tert-butvl Ether
Concen: 150.894 ug/l
RT: 4.99 min Scan# 1012
Delta R.T. 0.00 min
Lab File: VN065042.D
Acq: 10 Dec 2020 11:59

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion: 73 Resp: 942942
Ion Ratio Lower Upper
73 100
57 22.0 18.0 27.0

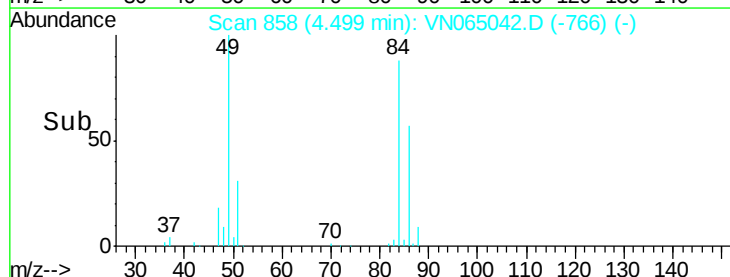
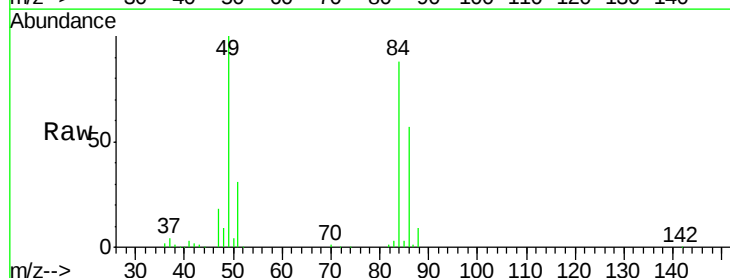
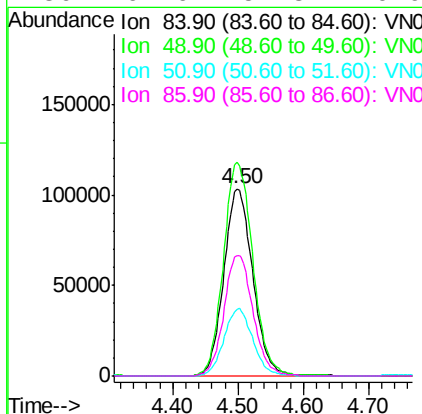
Manual Integrations
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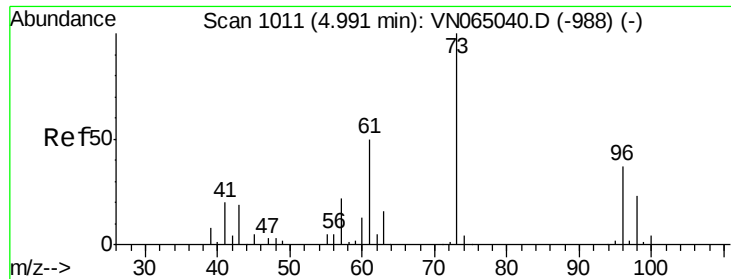
MMDadoda
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#20
Methylene Chloride
Concen: 131.836 ug/l
RT: 4.50 min Scan# 858
Delta R.T. -0.00 min
Lab File: VN065042.D
Acq: 10 Dec 2020 11:59

Tgt Ion: 84 Resp: 318999
Ion Ratio Lower Upper
84 100
49 114.1 90.8 136.2
51 35.8 28.1 42.1
86 64.6 51.3 76.9





#21

trans-1,2-Dichloroethene

Concen: 135.229 ug/l

RT: 4.98 min Scan# 1009

Delta R.T. -0.01 min

Lab File: VN065042.D

Acq: 10 Dec 2020 11:59

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion: 96 Resp: 291073

Ion Ratio Lower Upper

96 100

61 134.3 107.1 160.7

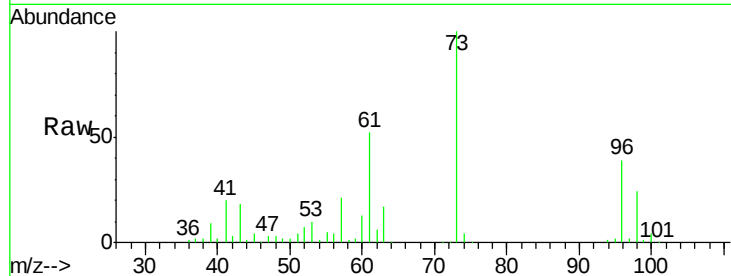
98 62.5 49.8 74.8

Manual Integrations

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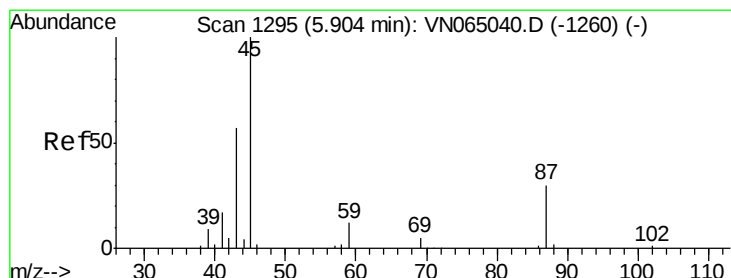
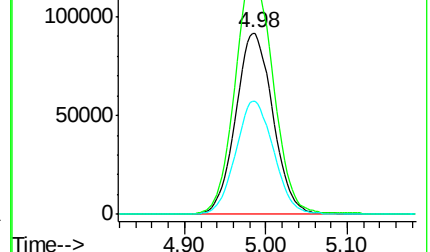
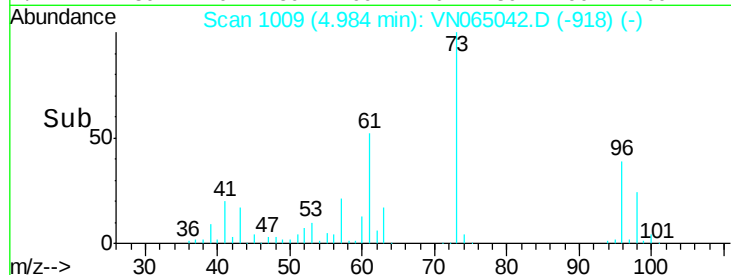


Abundance Ion 95.90 (95.60 to 96.60): VN065040.D (-988) (-)

Ion 60.90 (60.60 to 61.60): VN065040.D (-988) (-)

Ion 97.90 (97.60 to 98.60): VN065040.D (-988) (-)

Time-->



#22

Diisopropyl ether

Concen: 150.455 ug/l

RT: 5.90 min Scan# 1295

Delta R.T. 0.00 min

Lab File: VN065042.D

Acq: 10 Dec 2020 11:59

Tgt Ion: 45 Resp: 971152

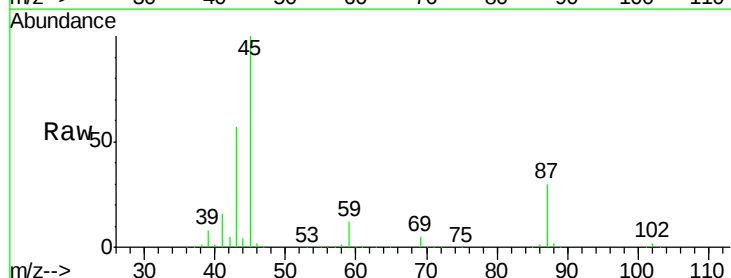
Ion Ratio Lower Upper

45 100

43 55.8 47.9 71.9

87 30.4 24.3 36.5

59 11.9 9.5 14.3



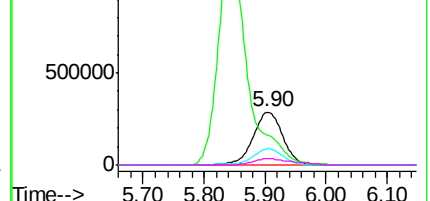
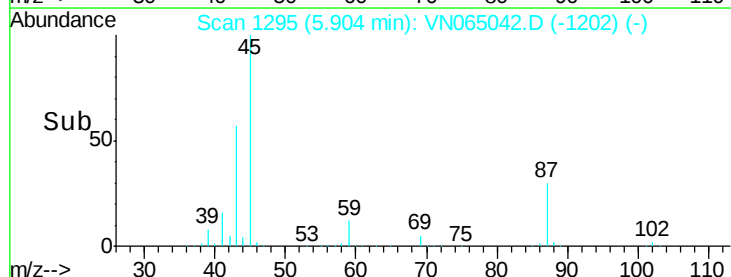
Abundance Ion 45.00 (44.70 to 45.70): VN065042.D (-1202) (-)

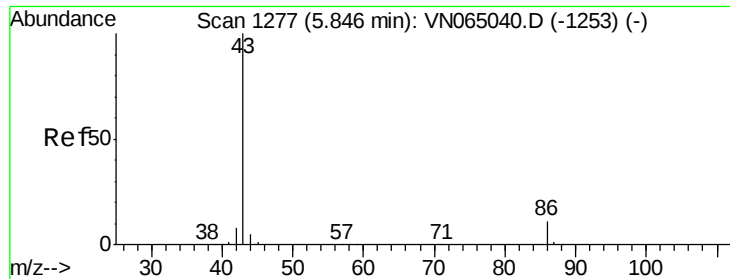
Ion 43.00 (42.70 to 43.70): VN065042.D (-1202) (-)

Ion 87.00 (86.70 to 87.70): VN065042.D (-1202) (-)

Ion 59.00 (58.70 to 59.70): VN065042.D (-1202) (-)

Time-->





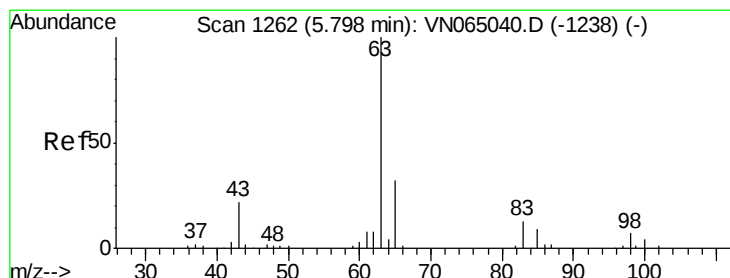
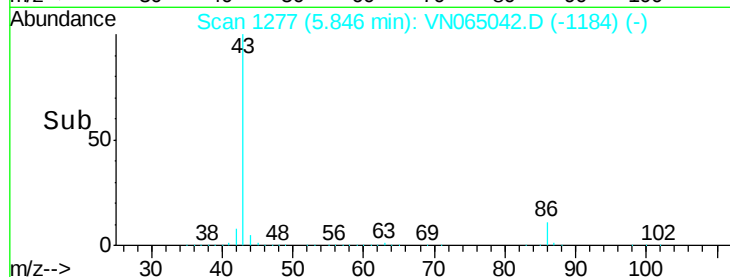
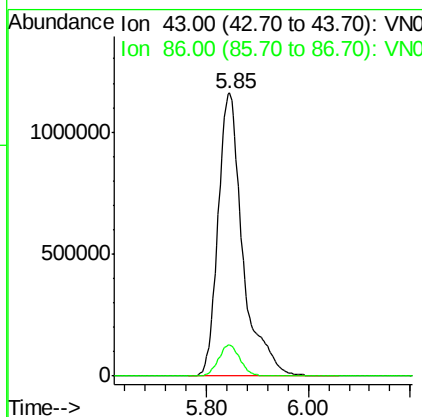
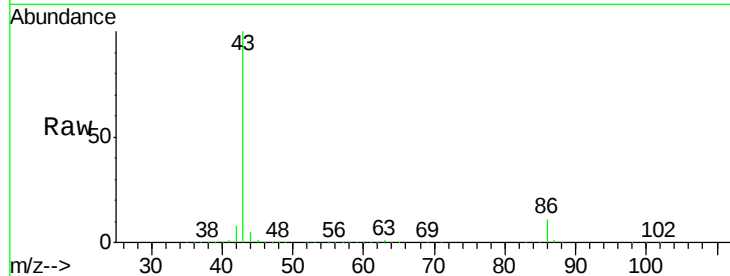
#23
 Vinyl Acetate
 Concen: 759.438 ug/l
 RT: 5.85 min Scan# 1277
 Delta R.T. 0.00 min
 Lab File: VN065042.D
 Acq: 10 Dec 2020 11:59

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Tot Ion: 43 Resp: 3893576
 Ion Ratio Lower Upper
 43 100
 86 11.1 8.6 12.8

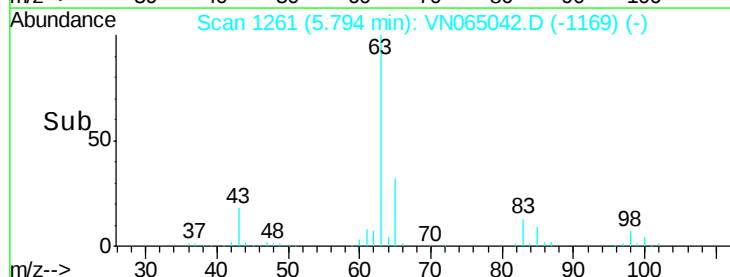
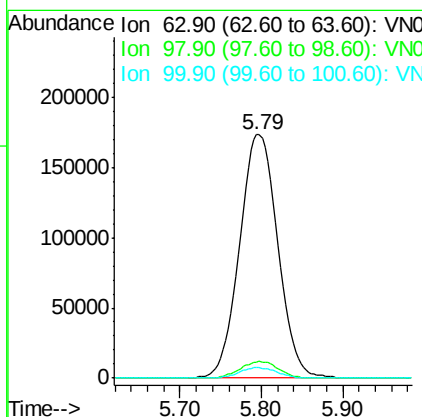
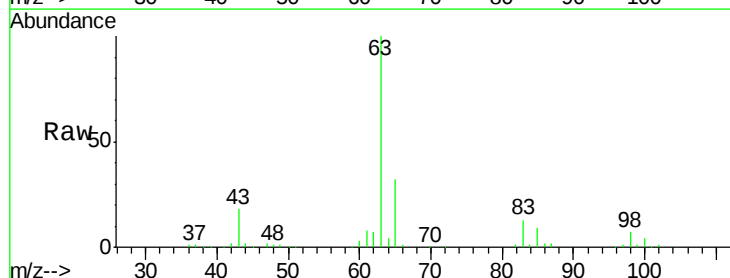
Manual Integrations
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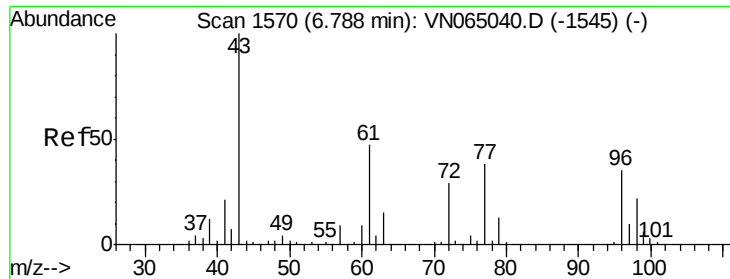
MMDadoda
 12/11/2020 12:32:25 PM



#24
 1,1-Dichloroethane
 Concen: 145.802 ug/l
 RT: 5.79 min Scan# 1261
 Delta R.T. -0.00 min
 Lab File: VN065042.D
 Acq: 10 Dec 2020 11:59

Tgt Ion: 63 Resp: 562309
 Ion Ratio Lower Upper
 63 100
 98 6.7 3.3 9.9
 100 4.2 2.1 6.2





#25

2-Butanone

Concen: 740.110 ug/l

RT: 6.79 min Scan# 1570

Delta R.T. 0.00 min

Lab File: VN065042.D

Acq: 10 Dec 2020 11:59

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion: 43 Resp: 918000

Ion Ratio Lower Upper

43 100

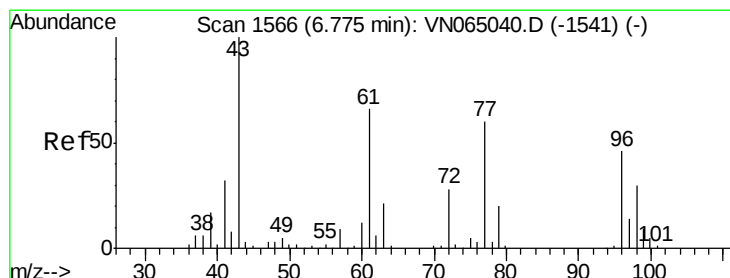
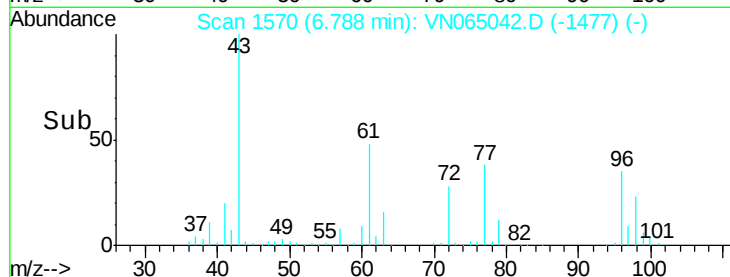
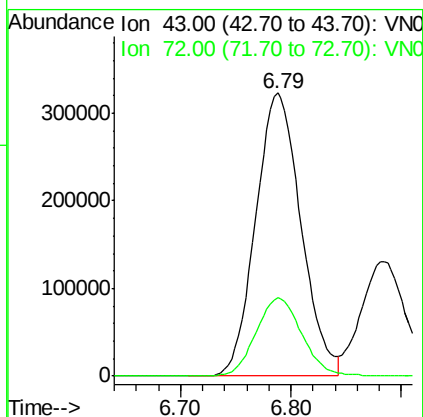
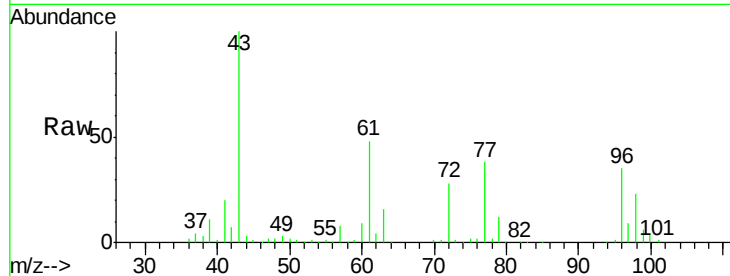
72 27.6 22.9 34.3

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 144.419 ug/l

RT: 6.77 min Scan# 1565

Delta R.T. -0.00 min

Lab File: VN065042.D

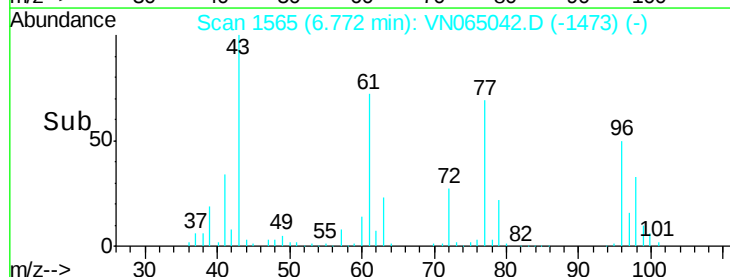
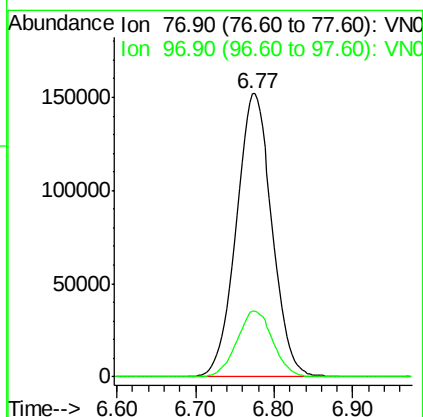
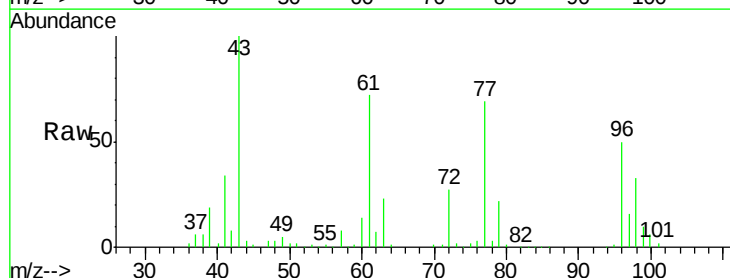
Acq: 10 Dec 2020 11:59

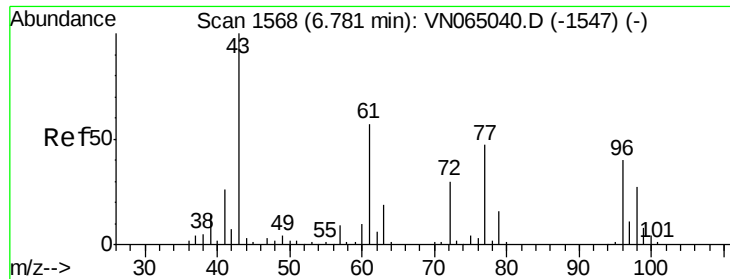
Tgt Ion: 77 Resp: 482849

Ion Ratio Lower Upper

77 100

97 23.5 11.7 35.1





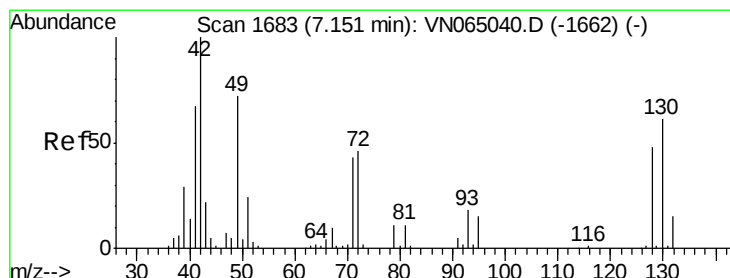
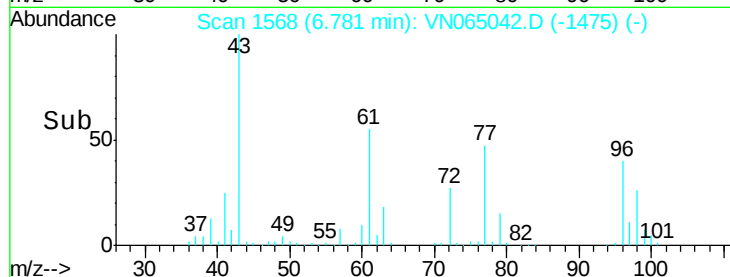
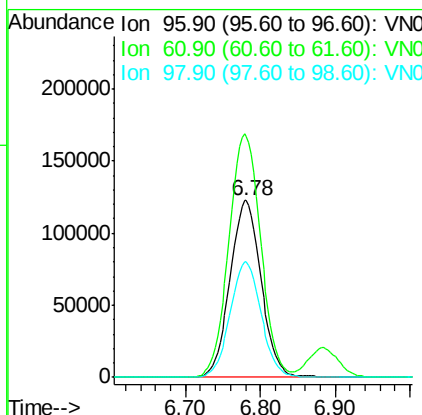
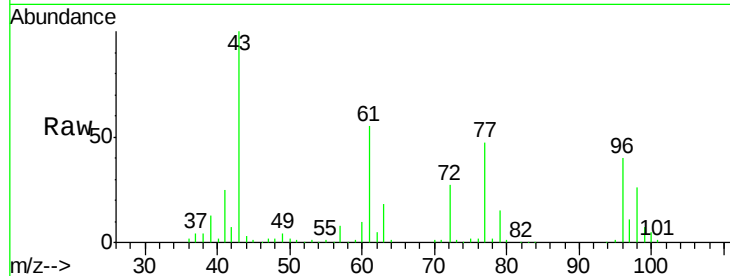
#27
 cis-1,2-Dichloroethene
 Concen: 145.957 ug/l
 RT: 6.78 min Scan# 1568
 Delta R.T. -0.00 min
 Lab File: VN065042.D
 Acq: 10 Dec 2020 11:59

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Resp	Lower	Upper
96	100			
61	140.4	0.0	283.6	
98	64.9	0.0	130.8	

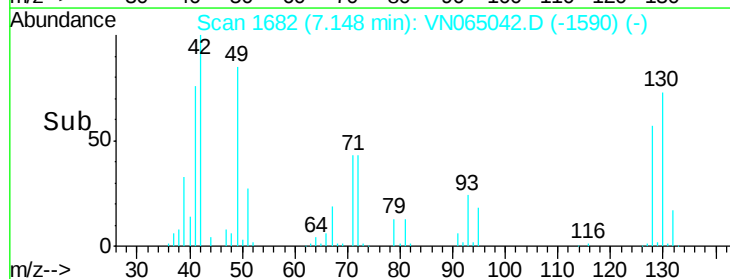
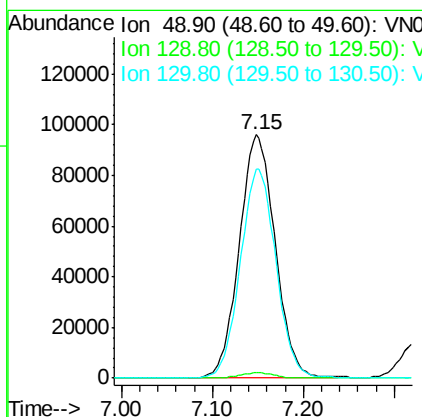
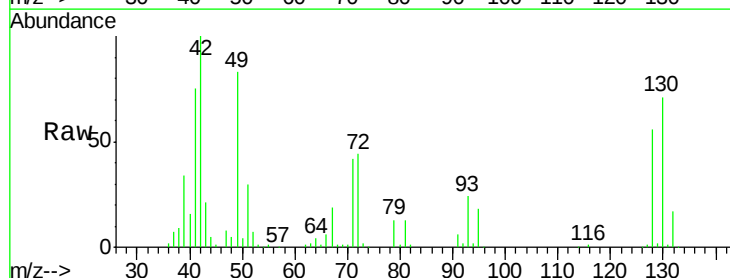
Manual Integrations
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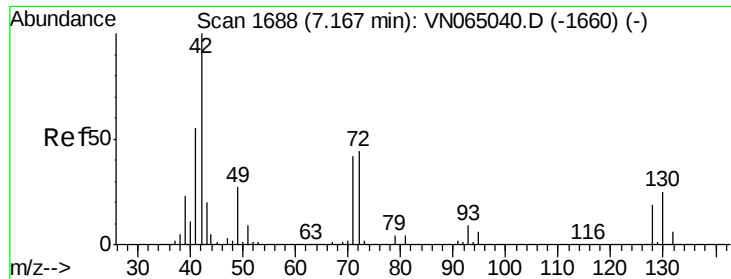
MMDadoda
 12/11/2020 12:32:25 PM



#28
 Bromochloromethane
 Concen: 149.138 ug/l
 RT: 7.15 min Scan# 1682
 Delta R.T. -0.00 min
 Lab File: VN065042.D
 Acq: 10 Dec 2020 11:59

Tgt Ion	Ratio	Resp	Lower	Upper
49	100			
129	2.1	0.0	2.2	
130	85.4	67.9	101.9	





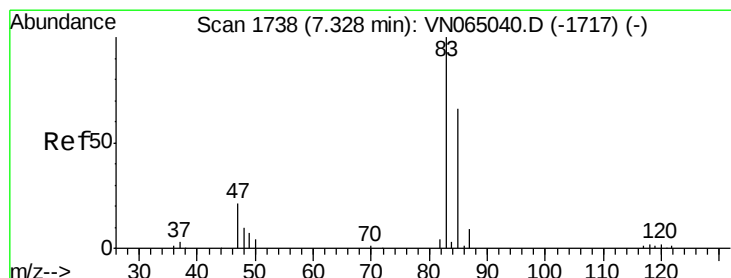
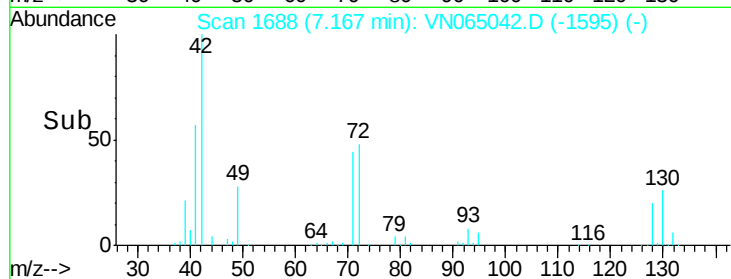
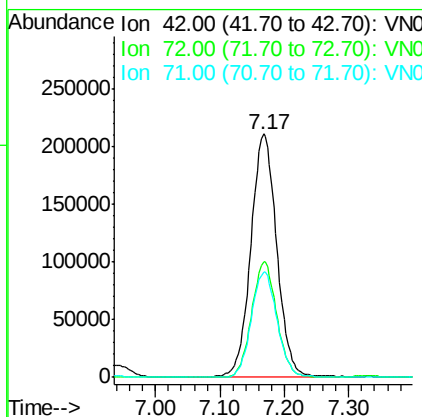
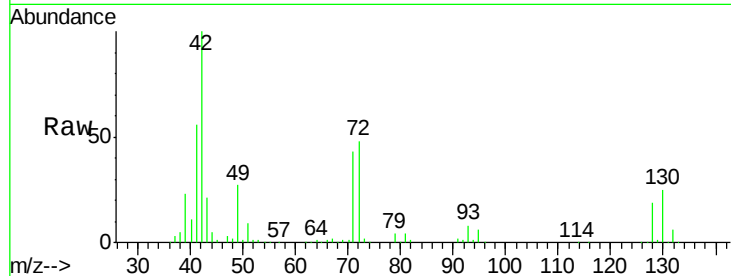
#29
Tetrahydrofuran
Concen: 698.253 ug/l
RT: 7.17 min Scan# 1688
Delta R.T. 0.00 min
Lab File: VN065042.D
Acq: 10 Dec 2020 11:59

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
42	100		
72	46.2	35.8	53.6
71	43.2	33.5	50.3

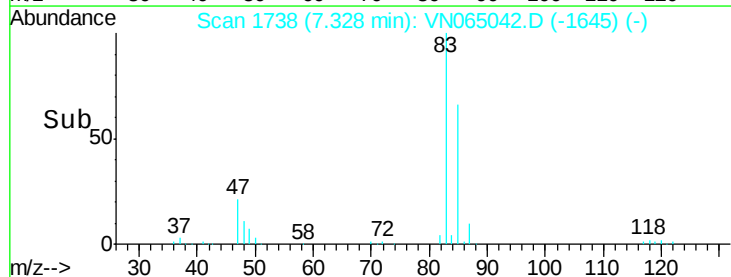
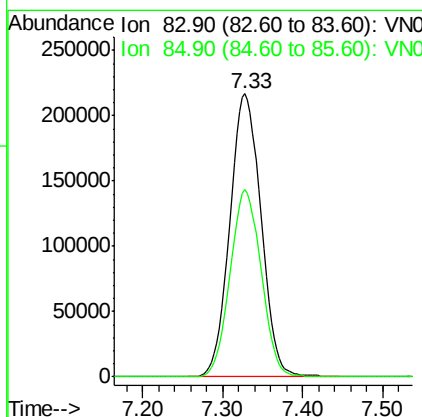
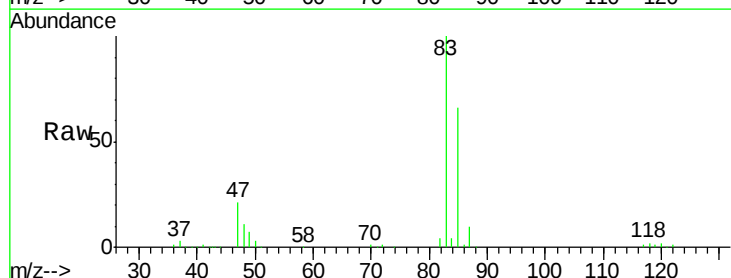
Manual Integrations
APPROVED

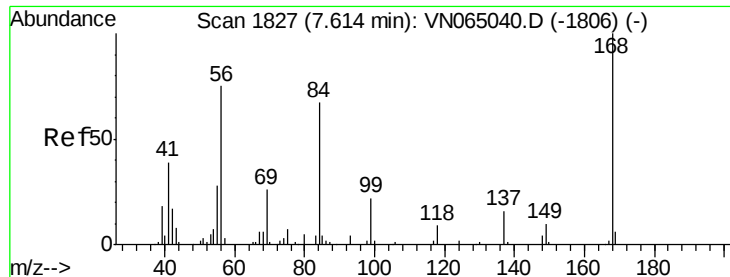
MMDadoda
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#30
Chloroform
Concen: 143.814 ug/l
RT: 7.33 min Scan# 1738
Delta R.T. 0.00 min
Lab File: VN065042.D
Acq: 10 Dec 2020 11:59

Tgt Ion	Ratio	Lower	Upper
83	100		
85	66.1	52.6	78.8





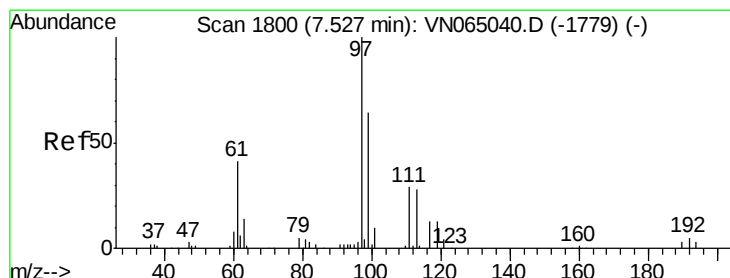
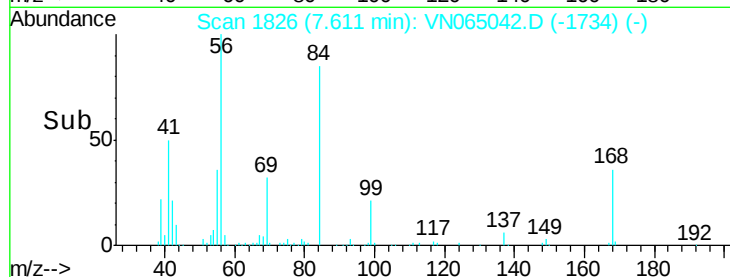
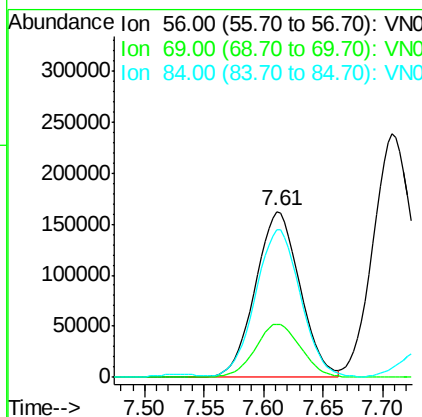
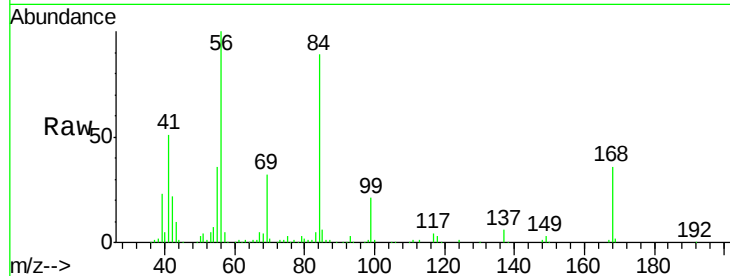
#31
Cyclohexane
Concen: 131.103 ug/l
RT: 7.61 min Scan# 1826
Delta R.T. -0.00 min
Lab File: VN065042.D
Acq: 10 Dec 2020 11:59

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
56	100		
69	32.0	27.5	41.3
84	87.5	72.4	108.6

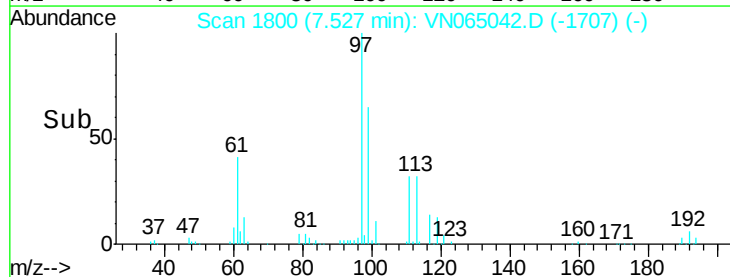
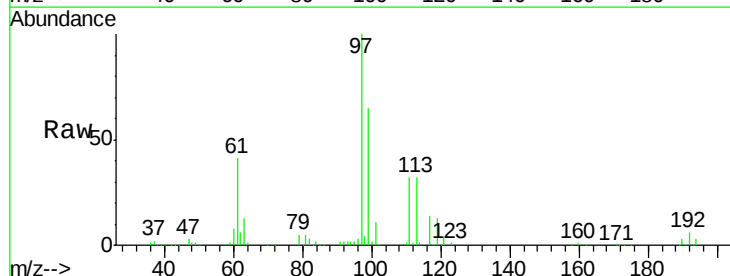
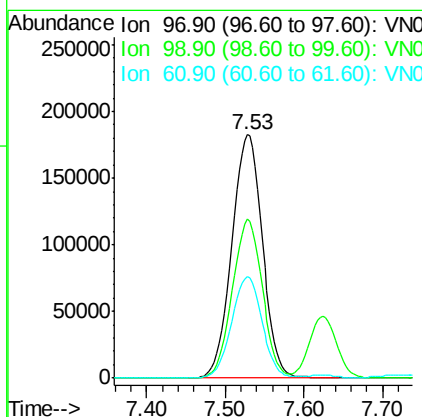
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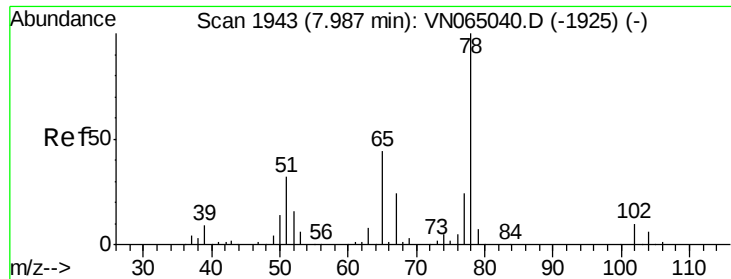
MMDadoda
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#32
1,1,1-Trichloroethane
Concen: 144.934 ug/l
RT: 7.53 min Scan# 1800
Delta R.T. 0.00 min
Lab File: VN065042.D
Acq: 10 Dec 2020 11:59

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.8	51.7	77.5
61	41.5	33.5	50.3





#33

1,2-Dichloroethane-d4

Concen: 155.114 ug/l

RT: 7.99 min Scan# 1943

Delta R.T. 0.00 min

Lab File: VN065042.D

Acq: 10 Dec 2020 11:59

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion: 65 Resp: 366651

Ion Ratio Lower Upper

65 100

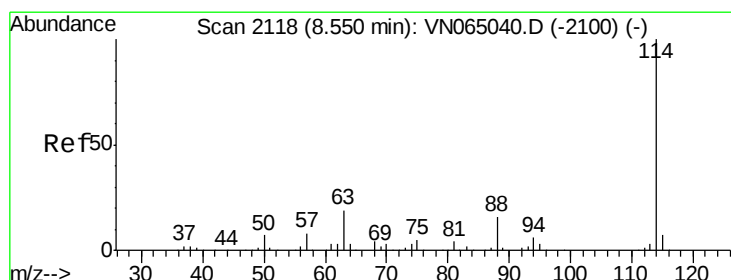
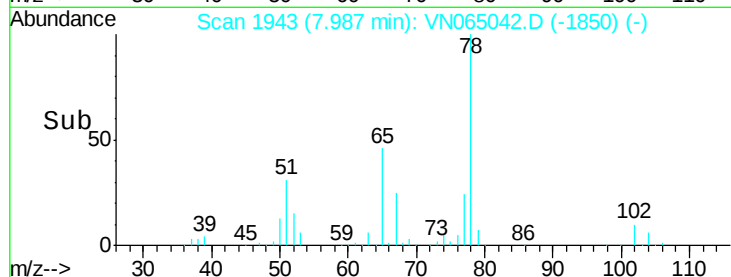
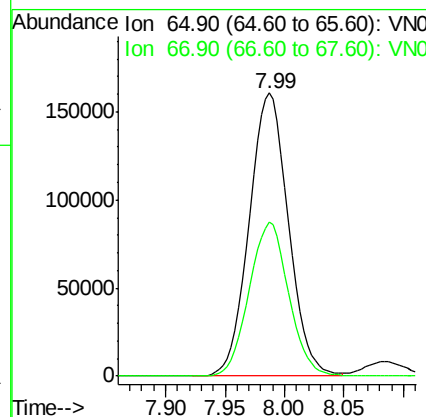
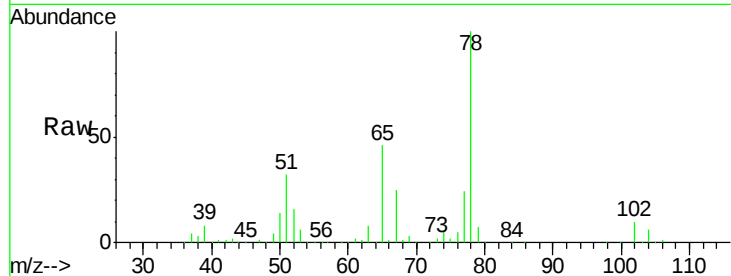
67 54.9 0.0 108.4

Manual Integrations

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#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.55 min Scan# 2118

Delta R.T. 0.00 min

Lab File: VN065042.D

Acq: 10 Dec 2020 11:59

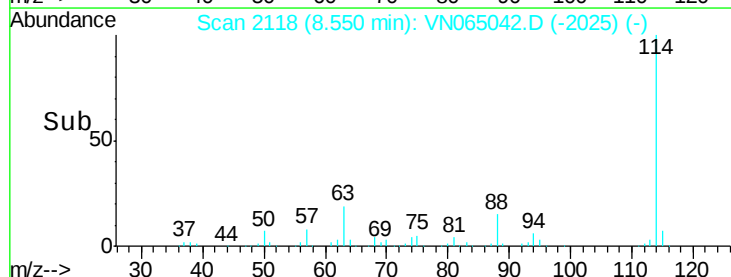
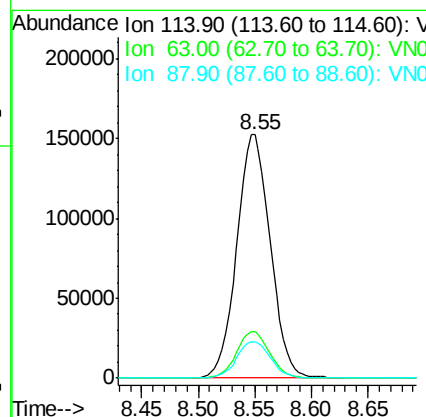
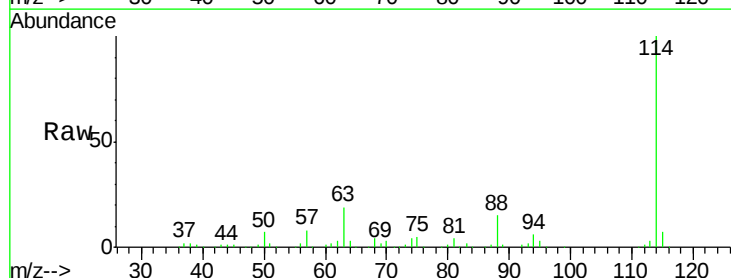
Tgt Ion: 114 Resp: 314640

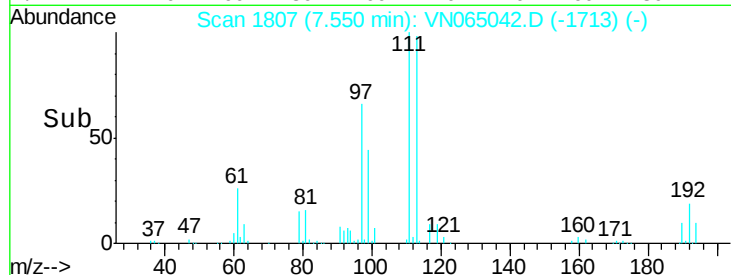
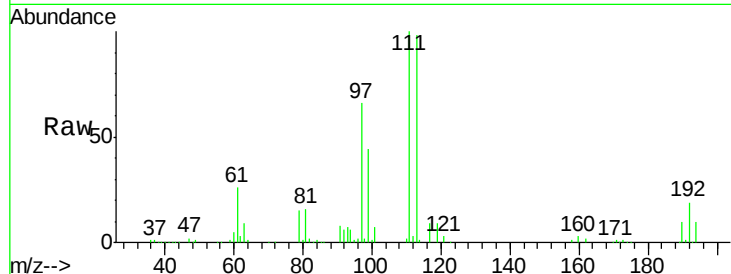
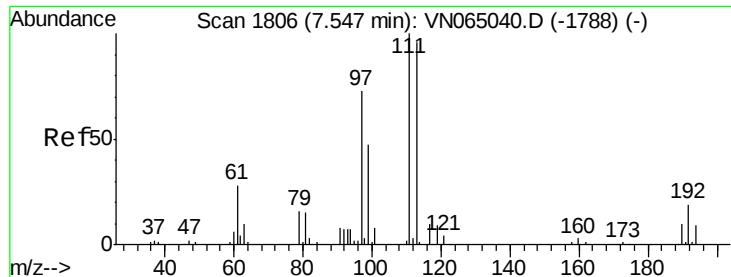
Ion Ratio Lower Upper

114 100

63 19.3 0.0 38.2

88 14.9 0.0 31.6





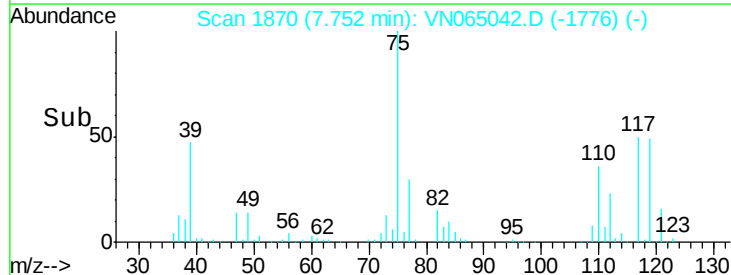
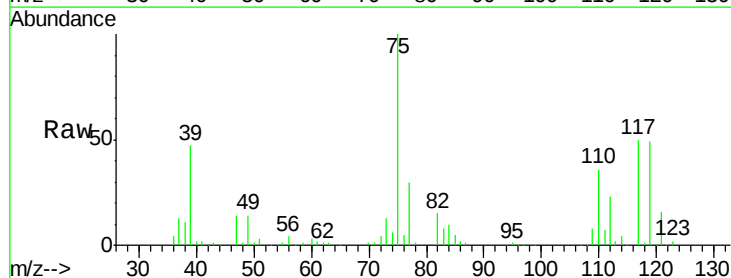
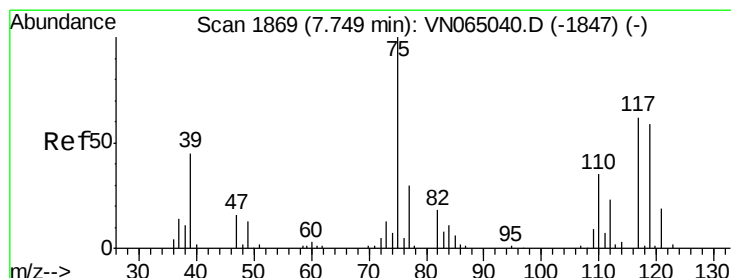
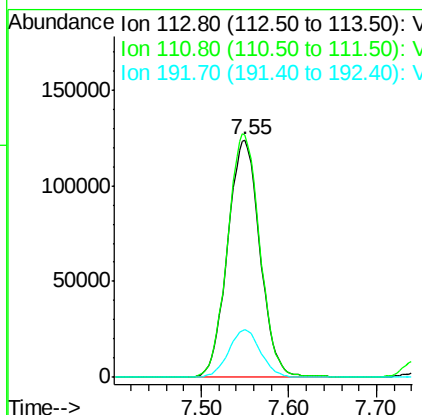
#35
Dibromofluoromethane
Concen: 166.544 ug/l
RT: 7.55 min Scan# 1807
Delta R.T. 0.00 min
Lab File: VN065042.D
Acq: 10 Dec 2020 11:59

Tot Ion	Ratio	Resp	Lower	Upper
113	100	318342		
111	102.4	83.4	125.0	
192	19.7	16.2	24.2	

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

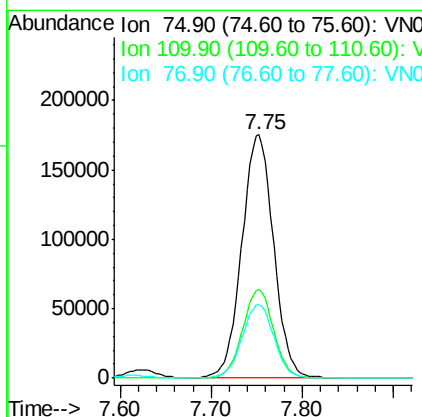
Manual Integrations
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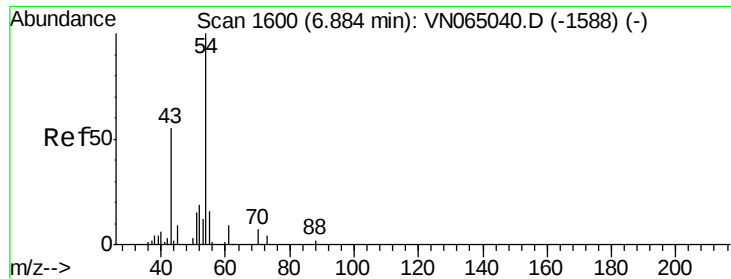
MMDadoda
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#36
1,1-Dichloropropene
Concen: 146.872 ug/l
RT: 7.75 min Scan# 1870
Delta R.T. 0.00 min
Lab File: VN065042.D
Acq: 10 Dec 2020 11:59

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	424437		
110	35.6	18.1	54.1	
77	30.5	24.5	36.7	





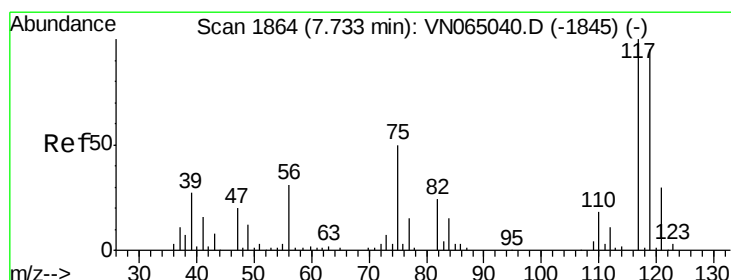
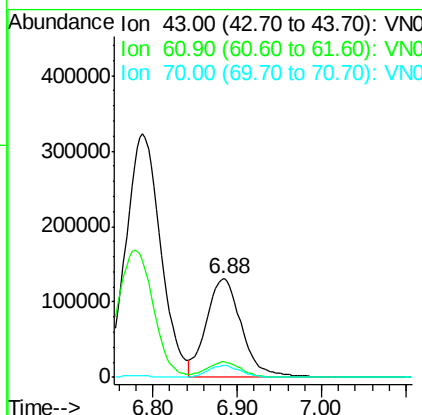
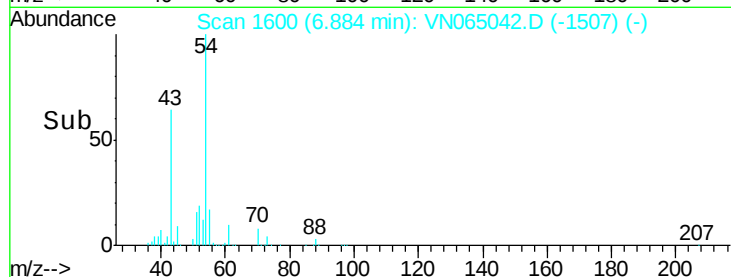
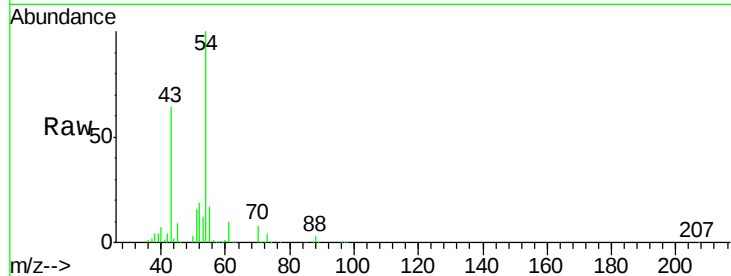
#37
Ethyl Acetate
Concen: 137.372 ug/l
RT: 6.88 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VN065042.D
Acq: 10 Dec 2020 11:59

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
43	100		
61	15.1	11.9	17.9
70	11.2	9.2	13.8

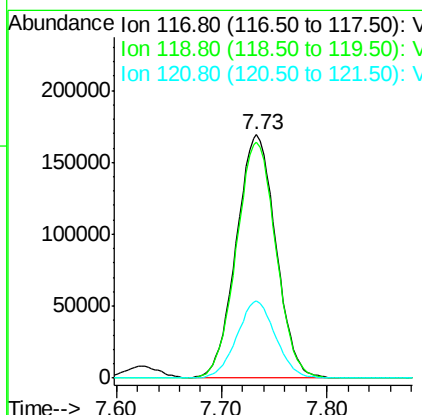
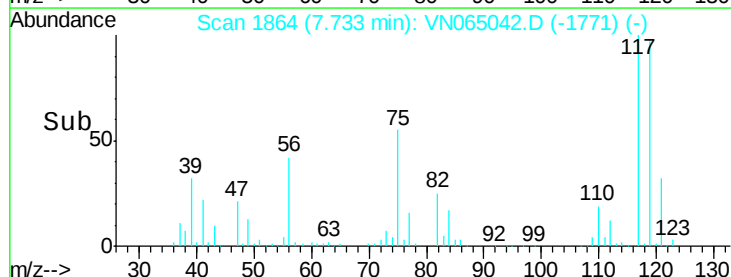
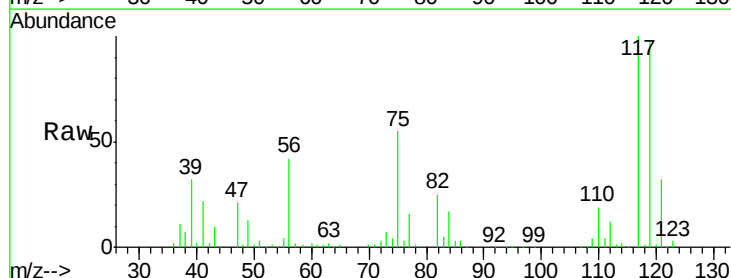
Manual Integrations
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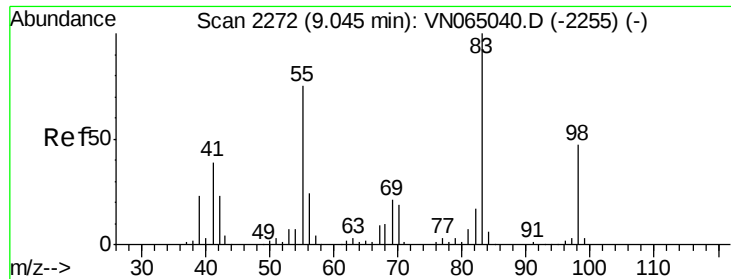
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#38
Carbon Tetrachloride
Concen: 145.217 ug/l
RT: 7.73 min Scan# 1864
Delta R.T. 0.00 min
Lab File: VN065042.D
Acq: 10 Dec 2020 11:59

Tgt Ion	Ratio	Lower	Upper
117	100		
119	97.0	75.9	113.9
121	31.6	24.1	36.1





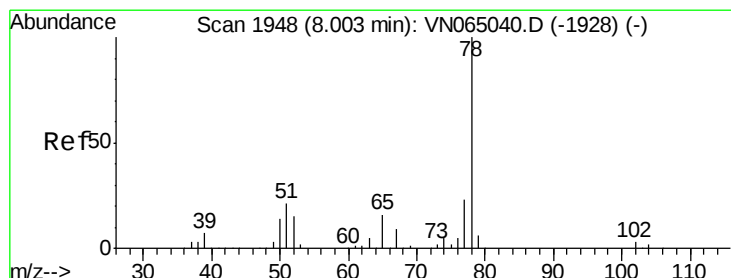
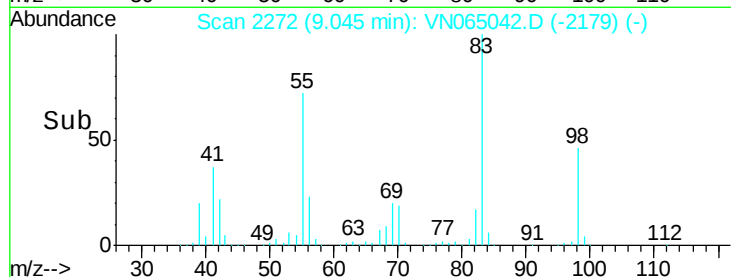
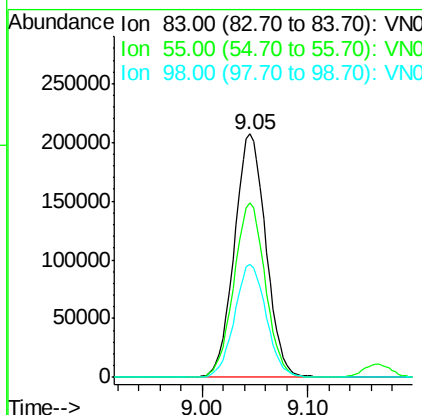
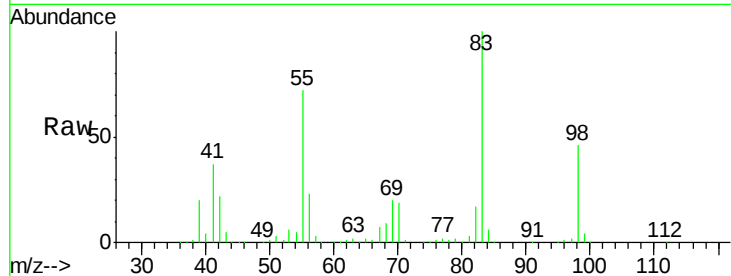
#39
Methvlcvclohexane
Concen: 140.373 ug/l
RT: 9.05 min Scan# 2272
Delta R.T. 0.00 min
Lab File: VN065042.D
Acq: 10 Dec 2020 11:59

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
83	100		
55	71.5	60.3	90.5
98	46.3	37.4	56.0

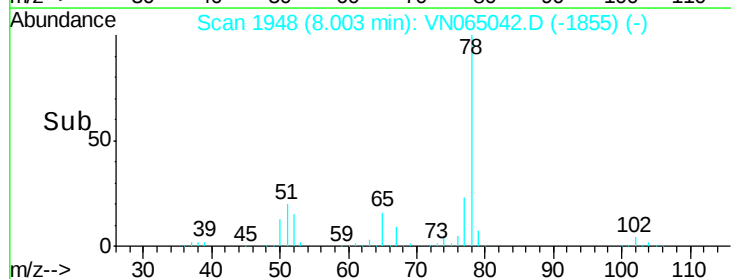
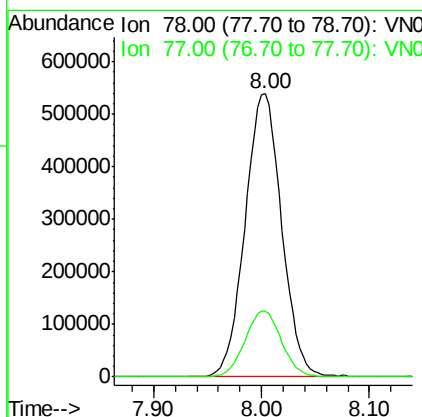
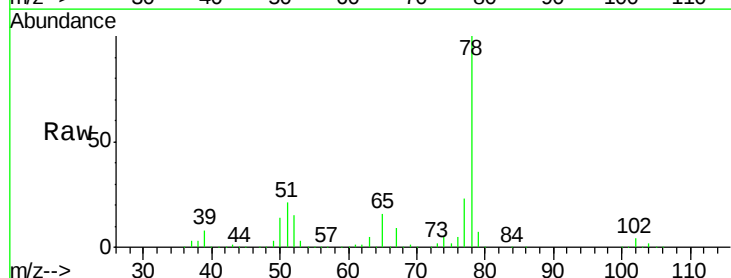
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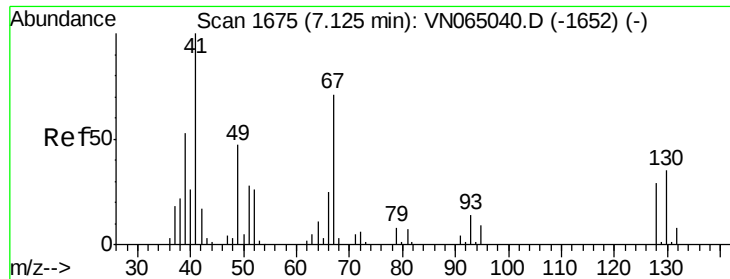
MMDadoda
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#40
Benzene
Concen: 143.082 ug/l
RT: 8.00 min Scan# 1948
Delta R.T. -0.00 min
Lab File: VN065042.D
Acq: 10 Dec 2020 11:59

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.2	18.7	28.1





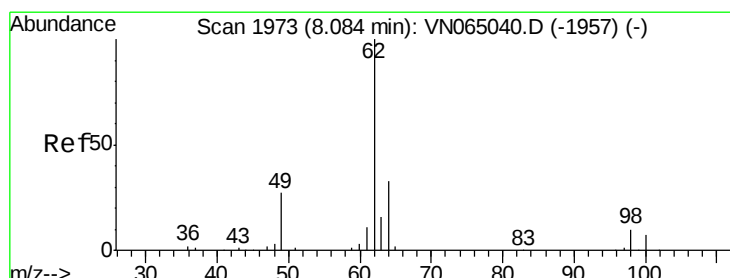
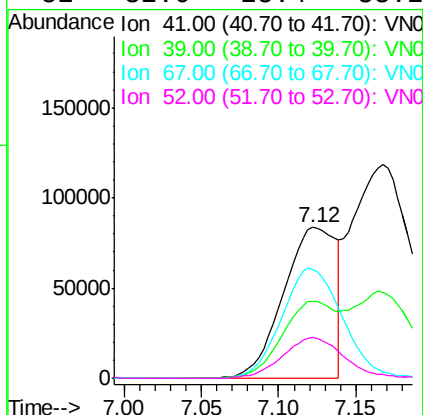
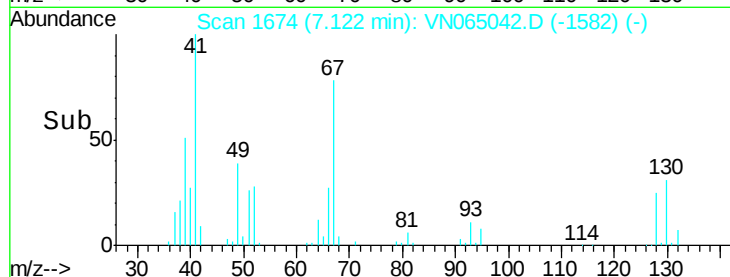
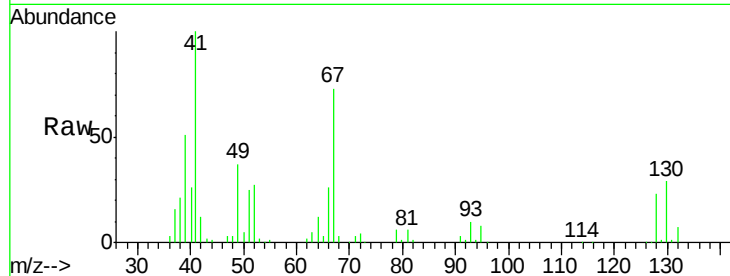
#41
Methacrylonitrile
Concen: 149.097 ug/l
RT: 7.12 min Scan# 1674
Delta R.T. -0.00 min
Lab File: VN065042.D
Acq: 10 Dec 2020 11:59

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion	41	Resp	196998
Ion	Ratio	Lower	Upper
41	100		
39	51.4	36.0	54.0
67	85.3	64.8	97.2
52	32.0	25.4	38.2

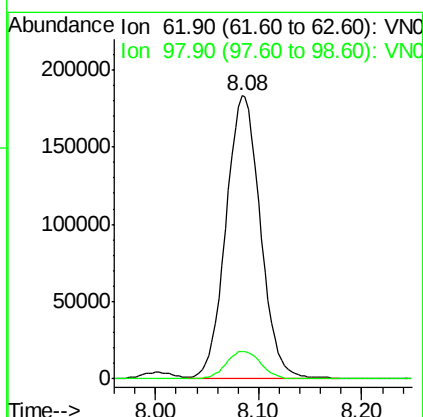
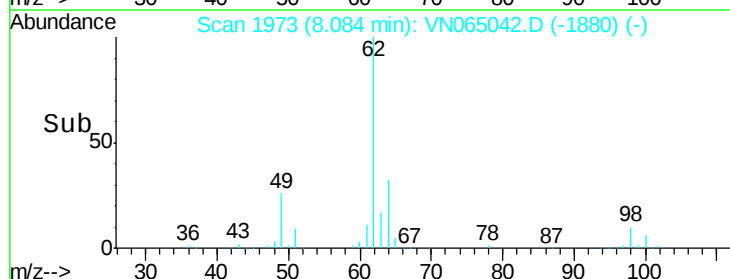
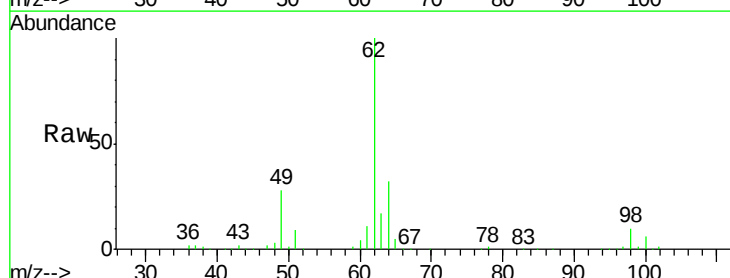
Manual Integrations
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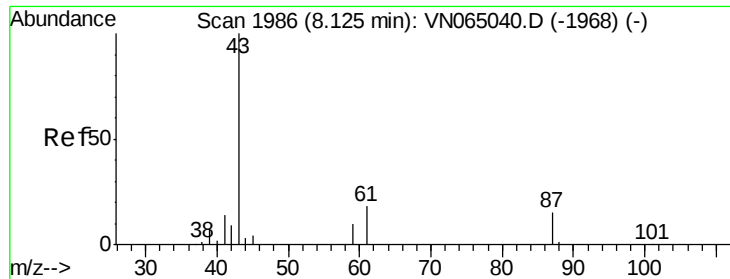
MMDadoda
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#42
1,2-Dichloroethane
Concen: 142.045 ug/l
RT: 8.08 min Scan# 1973
Delta R.T. -0.00 min
Lab File: VN065042.D
Acq: 10 Dec 2020 11:59

Tgt Ion	62	Resp	425101
Ion	Ratio	Lower	Upper
62	100		
98	9.8	0.0	19.8





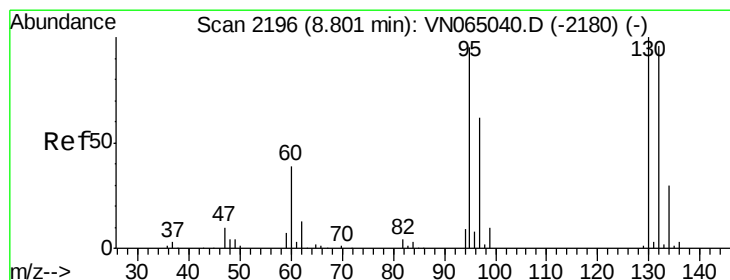
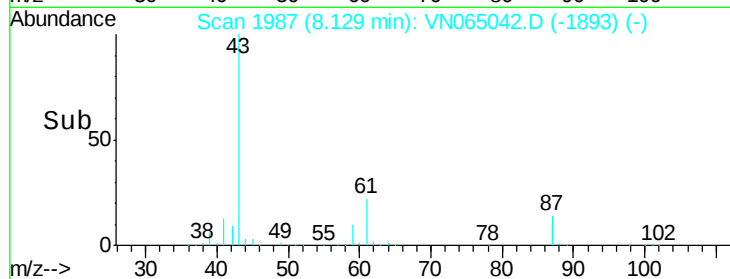
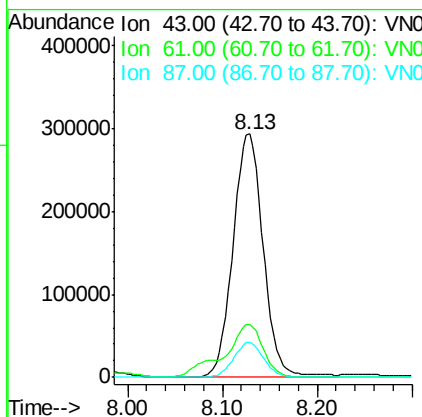
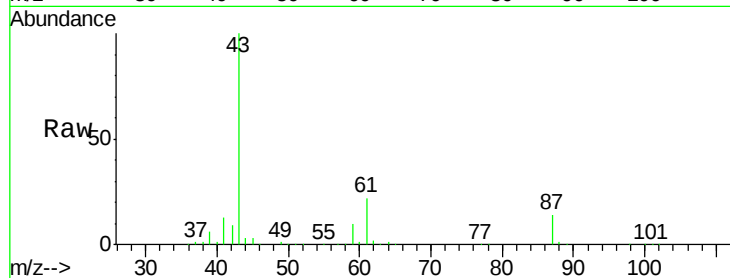
#43
Isopropyl Acetate
Concen: 146.630 ug/l
RT: 8.13 min Scan# 1987
Delta R.T. 0.00 min
Lab File: VN065042.D
Acq: 10 Dec 2020 11:59

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
43	100		
61	28.2	16.9	25.3
87	14.2	11.4	17.2

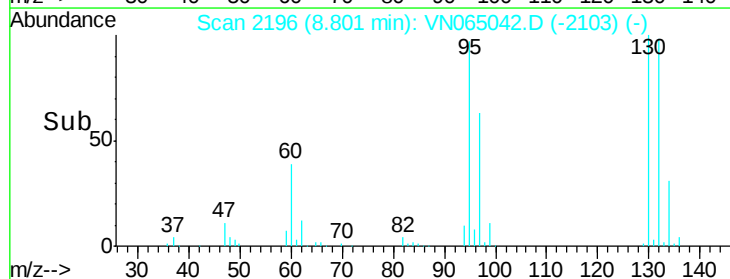
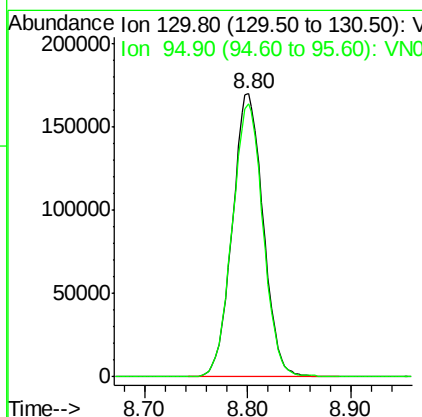
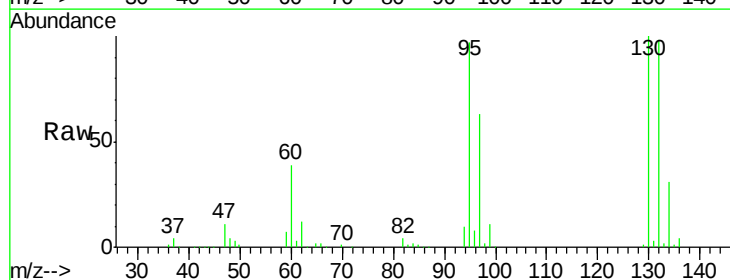
Manual Integrations
APPROVED

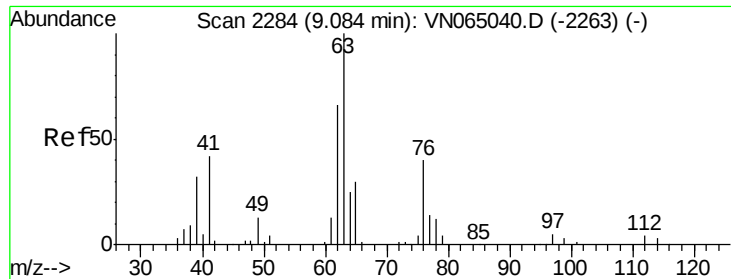
MMDadoda
12/11/2020 12:32:25 PM



#44
Trichloroethene
Concen: 135.968 ug/l
RT: 8.80 min Scan# 2196
Delta R.T. 0.00 min
Lab File: VN065042.D
Acq: 10 Dec 2020 11:59

Tgt Ion	Ratio	Lower	Upper
130	100		
95	96.5	0.0	190.2





#45

1,2-Dichloropropane

Concen: 151.206 ug/l

RT: 9.08 min Scan# 2284

Delta R.T. 0.00 min

Lab File: VN065042.D

Acq: 10 Dec 2020 11:59

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion: 63 Resp: 349752

Ion Ratio Lower Upper

63 100

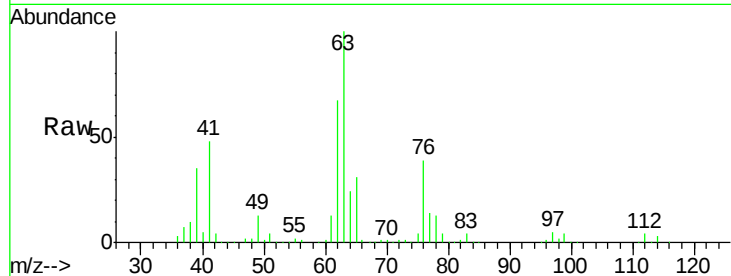
65 30.7 24.0 36.0

Manual Integrations

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Abundance Ion 62.90 (62.60 to 63.60): VN065042.D (-2191) (-)

Ion 64.90 (64.60 to 65.60): VN065042.D (-2191) (-)

9.08

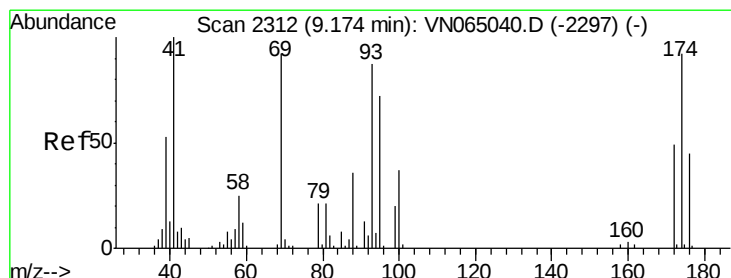
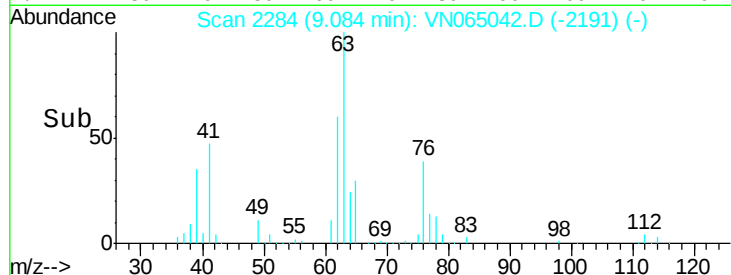
150000

100000

50000

0

Time-->



#46

Dibromomethane

Concen: 145.336 ug/l

RT: 9.17 min Scan# 2312

Delta R.T. 0.00 min

Lab File: VN065042.D

Acq: 10 Dec 2020 11:59

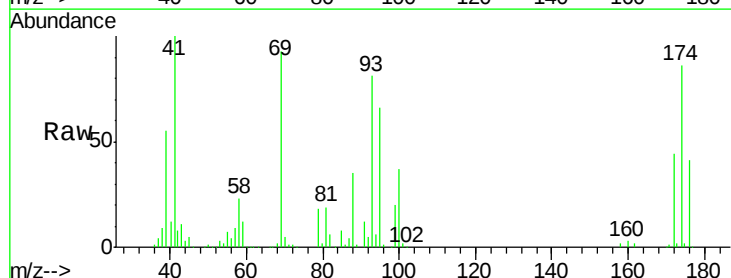
Tgt Ion: 93 Resp: 223768

Ion Ratio Lower Upper

93 100

95 84.0 65.7 98.5

174 103.7 83.0 124.4



Abundance Ion 92.80 (92.50 to 93.50): VN065042.D (-2219) (-)

Ion 94.80 (94.50 to 95.50): VN065042.D (-2219) (-)

Ion 173.70 (173.40 to 174.40): VN065042.D (-2219) (-)

9.17

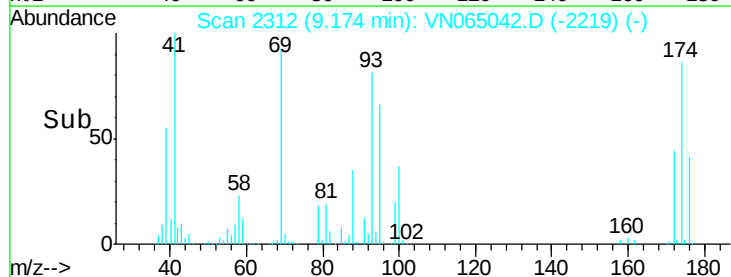
150000

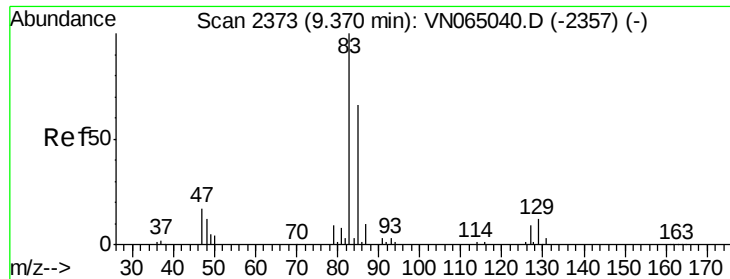
100000

50000

0

Time-->





#47

Bromodichloromethane

Concen: 150.365 ug/l

RT: 9.37 min Scan# 2373

Delta R.T. 0.00 min

Lab File: VN065042.D

Acq: 10 Dec 2020 11:59

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion: 83 Resp: 465832

Ion Ratio Lower Upper

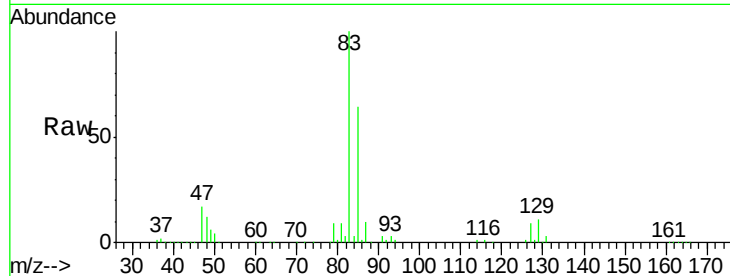
83 100

85 63.9 52.5 78.7

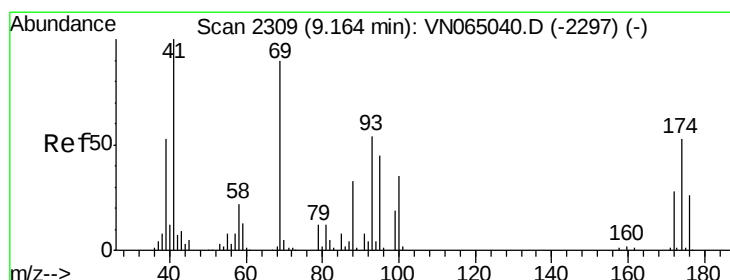
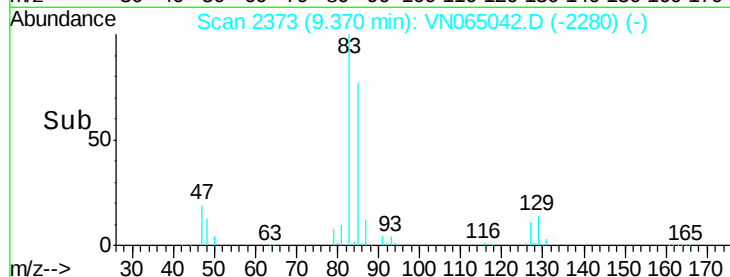
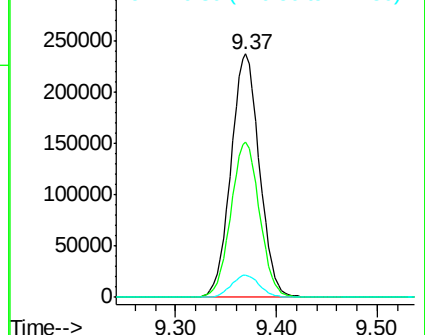
127 9.1 7.1 10.7

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Abundance Ion 82.90 (82.60 to 83.60): VNO
Ion 84.90 (84.60 to 85.60): VNO
Ion 126.80 (126.50 to 127.50): VNO



#48

Methyl methacrylate

Concen: 145.534 ug/l

RT: 9.16 min Scan# 2309

Delta R.T. 0.00 min

Lab File: VN065042.D

Acq: 10 Dec 2020 11:59

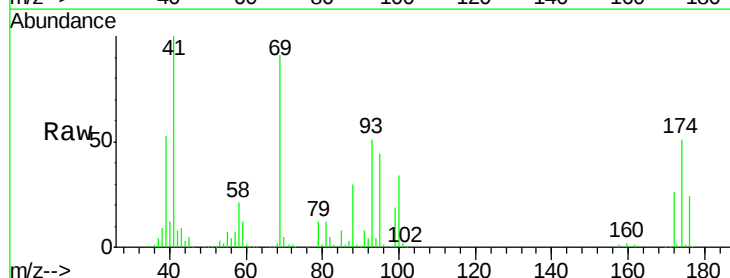
Tgt Ion: 41 Resp: 308578

Ion Ratio Lower Upper

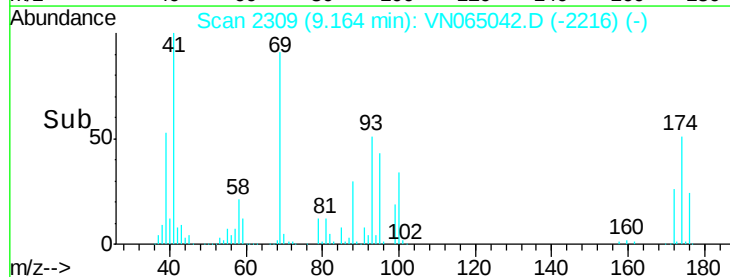
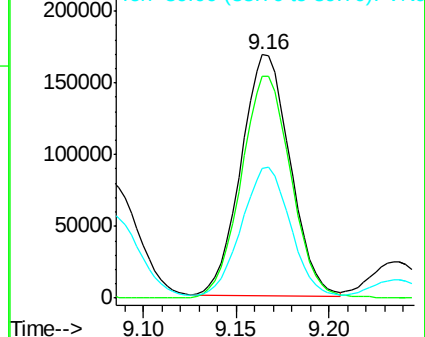
41 100

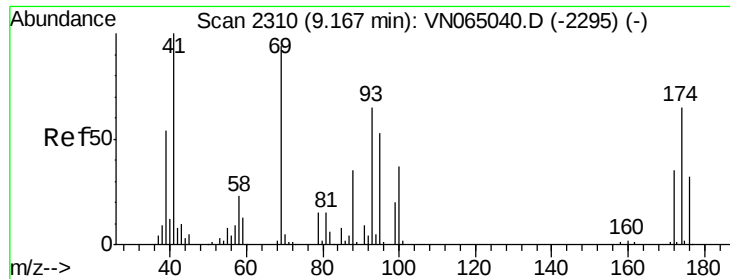
69 94.0 72.1 108.1

39 54.9 43.8 65.6



Abundance Ion 41.00 (40.70 to 41.70): VNO
Ion 69.00 (68.70 to 69.70): VNO
Ion 39.00 (38.70 to 39.70): VNO





#49

1,4-Dioxane

Concen: 2722.773 ug/l

RT: 9.17 min Scan# 2310

Delta R.T. 0.00 min

Lab File: VN065042.D

Acq: 10 Dec 2020 11:59

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion: 88 Resp: 108878

Ion Ratio Lower Upper

88 100

43 29.1 21.1 31.7

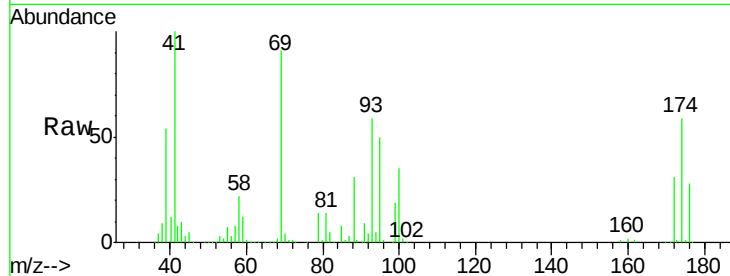
58 66.7 53.8 80.8

Manual Integrations

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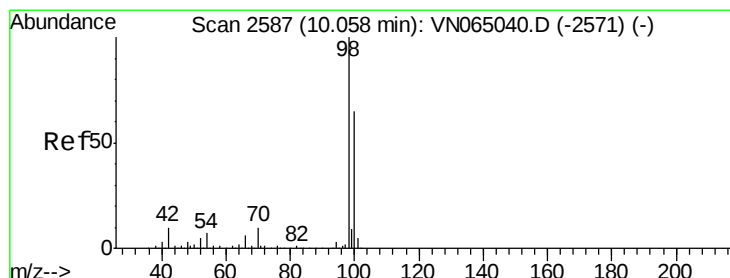
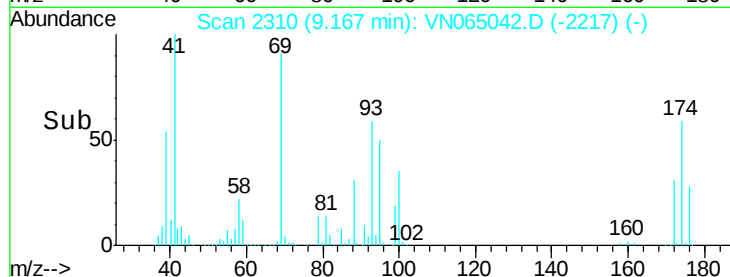
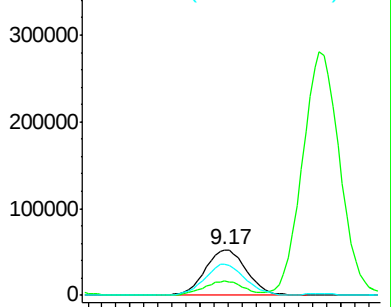
12/11/2020 12:32:25 PM



Abundance Ion 88.00 (87.70 to 88.70): VN065040.D (-2295) (-)

Ion 43.00 (42.70 to 43.70): VN065040.D (-2295) (-)

Ion 58.00 (57.70 to 58.70): VN065040.D (-2295) (-)



#50

Toluene-d8

Concen: 162.033 ug/l

RT: 10.06 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN065042.D

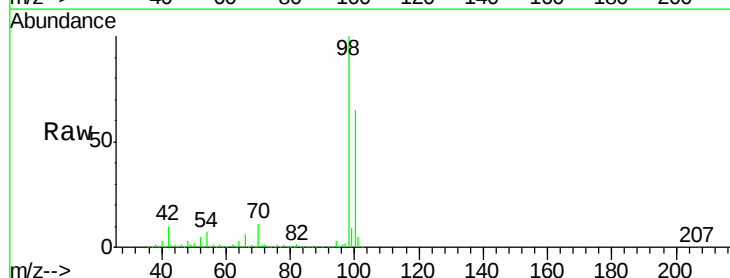
Acq: 10 Dec 2020 11:59

Tgt Ion: 98 Resp: 1252516

Ion Ratio Lower Upper

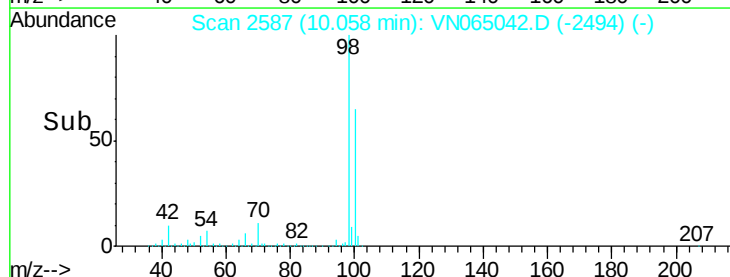
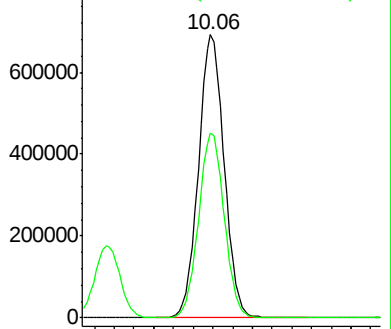
98 100

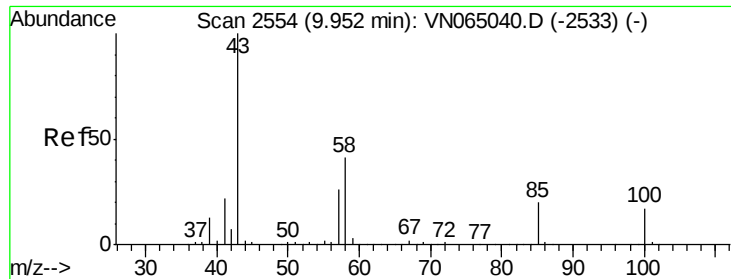
100 65.4 51.6 77.4



Abundance Ion 98.00 (97.70 to 98.70): VN065040.D (-2571) (-)

Ion 100.00 (99.70 to 100.70): VN065040.D (-2571) (-)





#51

4-Methyl-2-Pentanone

Concen: 717.601 ug/l

RT: 9.95 min Scan# 2554

Delta R.T. 0.00 min

Lab File: VN065042.D

Acq: 10 Dec 2020 11:59

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion: 43 Resp: 1910101

Ion Ratio Lower Upper

43 100

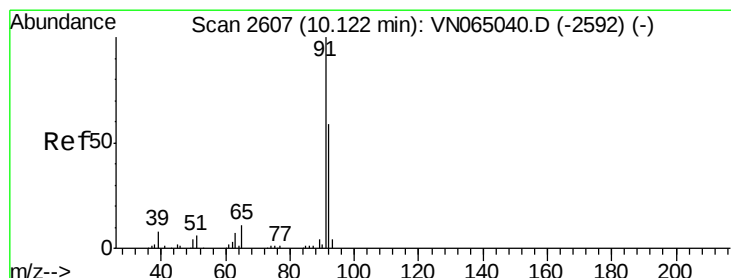
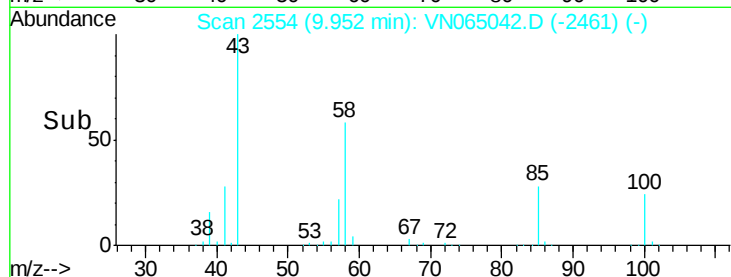
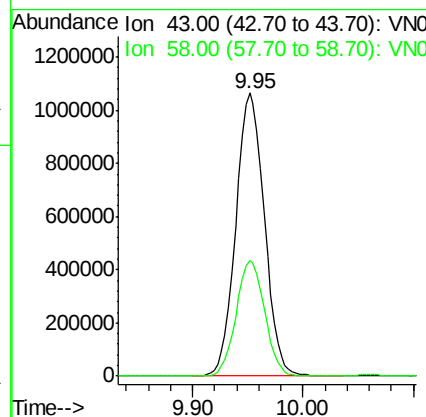
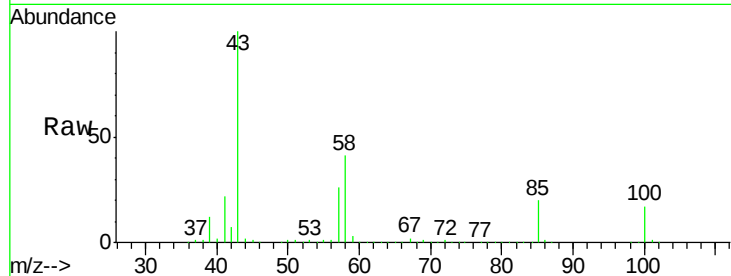
58 40.8 32.4 48.6

Manual Integrations

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#52

Toluene

Concen: 149.062 ug/l

RT: 10.12 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN065042.D

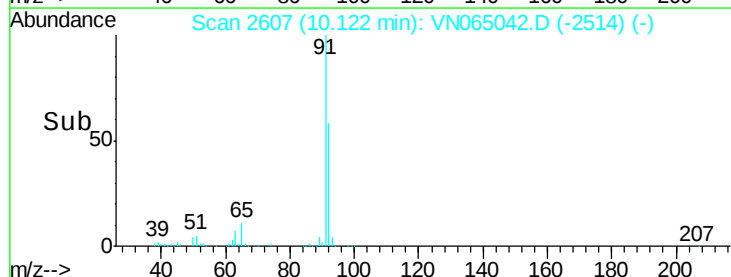
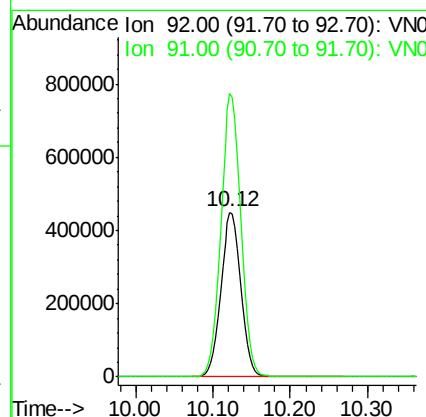
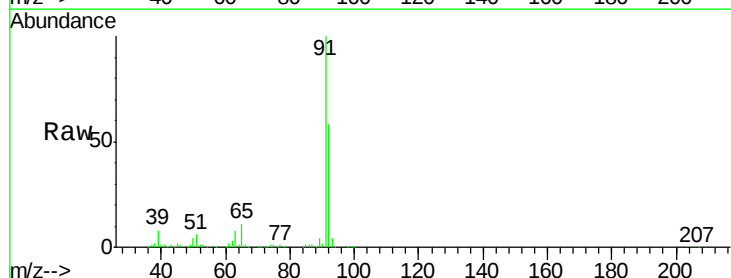
Acq: 10 Dec 2020 11:59

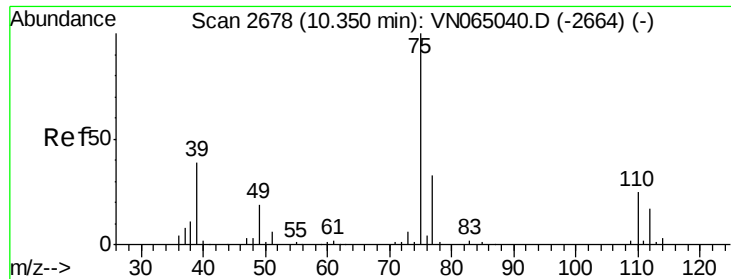
Tgt Ion: 92 Resp: 815147

Ion Ratio Lower Upper

92 100

91 172.3 137.9 206.9





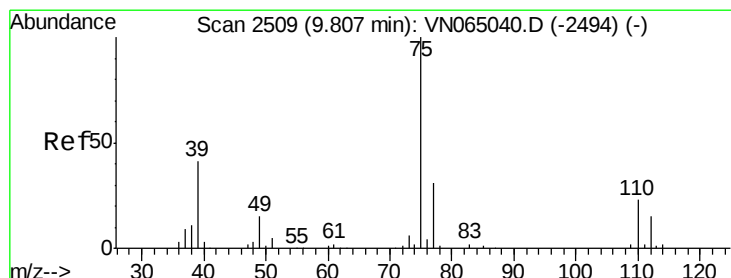
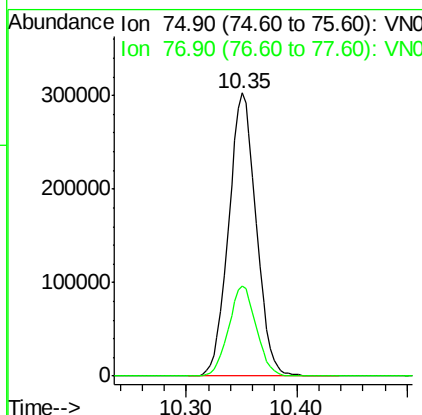
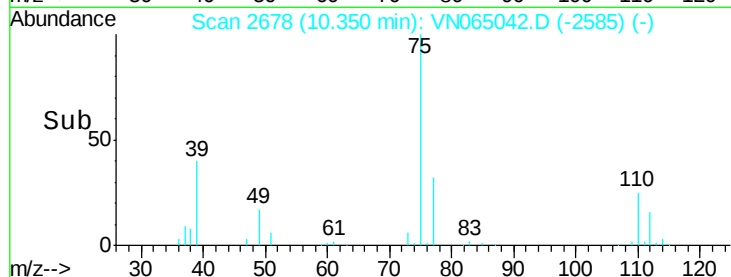
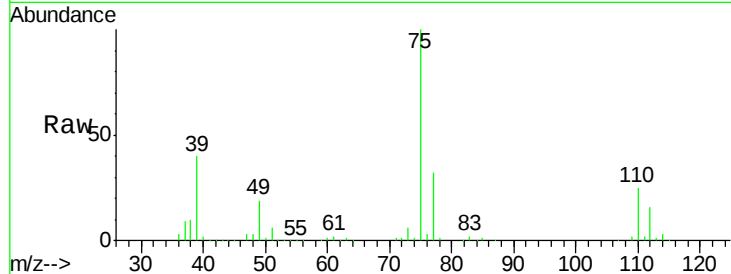
#53
t-1,3-Dichloropropene
Concen: 152.831 ug/l
RT: 10.35 min Scan# 2678
Delta R.T. 0.00 min
Lab File: VN065042.D
Acq: 10 Dec 2020 11:59

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion: 75 Resp: 524790
Ion Ratio Lower Upper
75 100
77 31.8 26.0 39.0

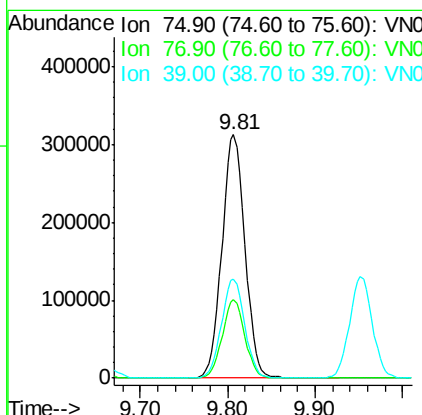
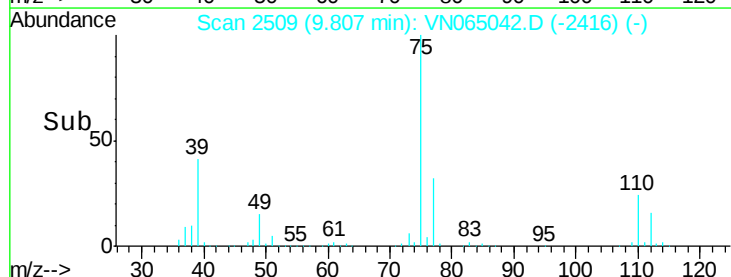
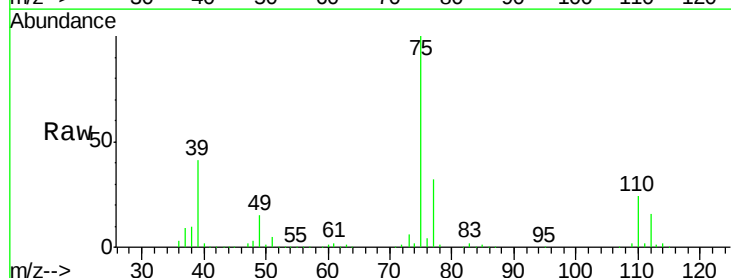
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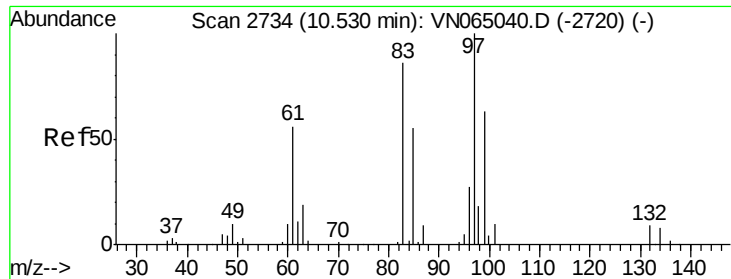
MMDadoda
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#54
cis-1,3-Dichloropropene
Concen: 154.730 ug/l
RT: 9.81 min Scan# 2509
Delta R.T. 0.00 min
Lab File: VN065042.D
Acq: 10 Dec 2020 11:59

Tgt Ion: 75 Resp: 570847
Ion Ratio Lower Upper
75 100
77 32.1 24.8 37.2
39 40.8 33.0 49.4





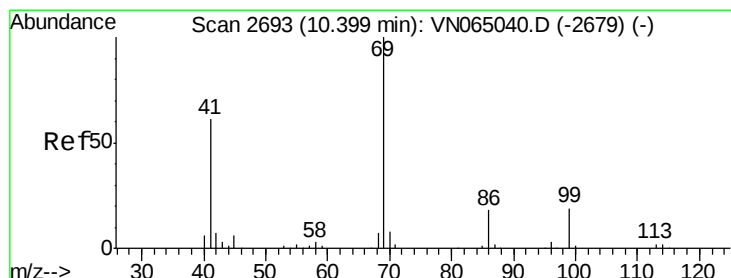
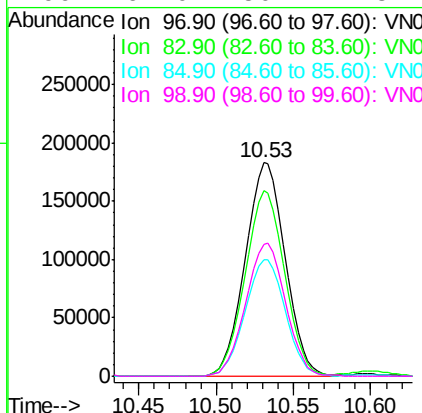
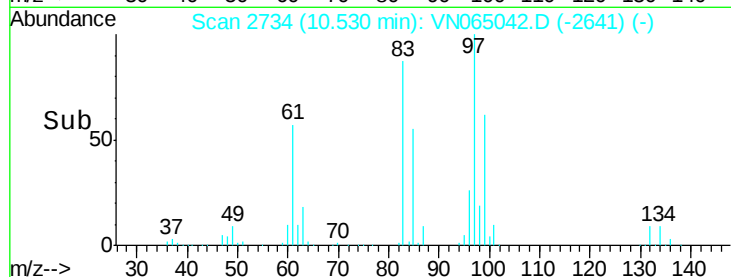
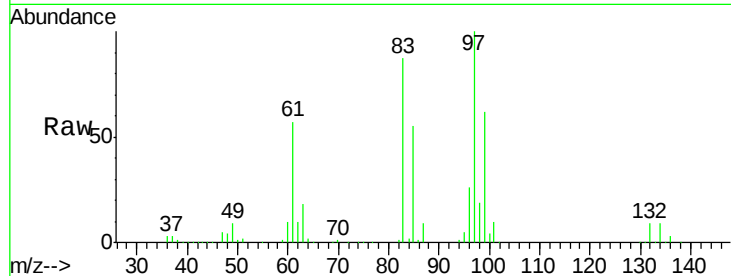
#55
 1,1,2-Trichloroethane
 Concen: 145.156 ug/l
 RT: 10.53 min Scan# 2734
 Delta R.T. 0.00 min
 Lab File: VN065042.D
 Acq: 10 Dec 2020 11:59

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Tot Ion	97	Resp	328628
Ion Ratio	Lower	Upper	
97	100		
83	87.1	69.0	103.6
85	54.8	43.6	65.4
99	62.0	50.1	75.1

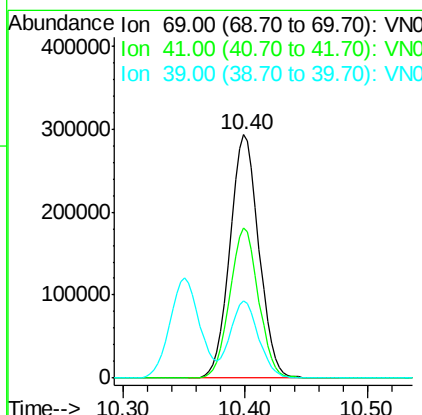
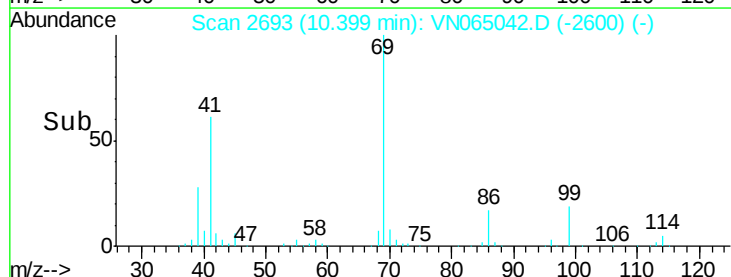
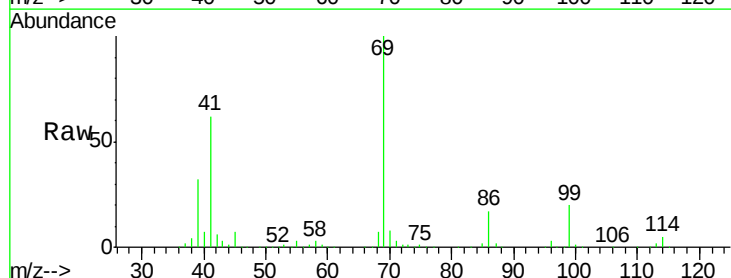
Manual Integrations
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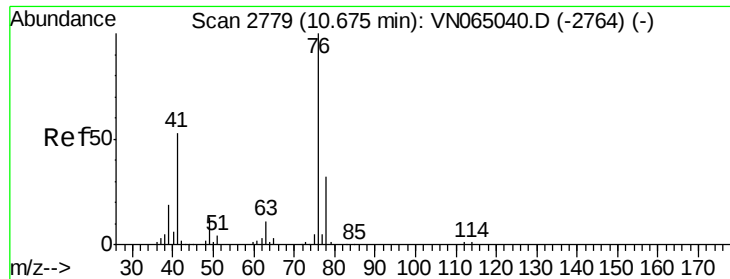
MMDadoda
 12/11/2020 12:32:25 PM



#56
 Ethyl methacrylate
 Concen: 158.342 ug/l
 RT: 10.40 min Scan# 2693
 Delta R.T. 0.00 min
 Lab File: VN065042.D
 Acq: 10 Dec 2020 11:59

Tgt Ion	69	Resp	486021
Ion Ratio	Lower	Upper	
69	100		
41	60.8	48.2	72.2
39	31.1	24.7	37.1





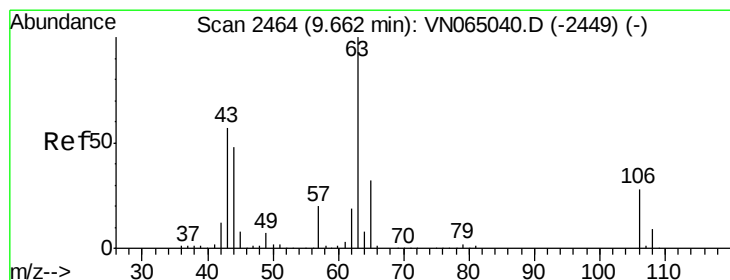
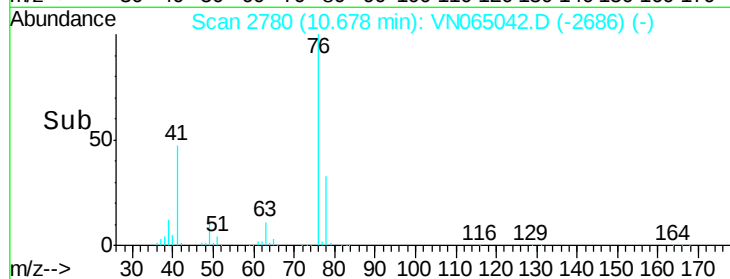
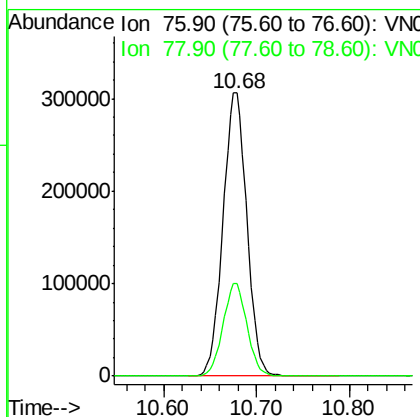
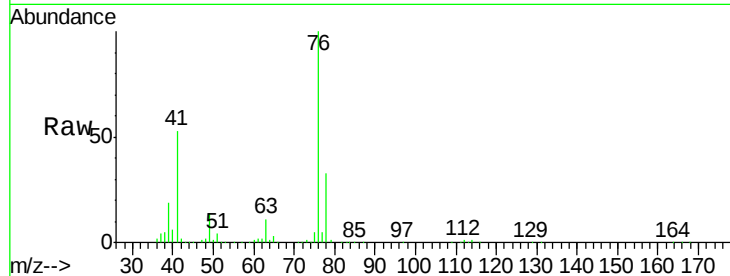
#57
 1,3-Dichloropropane
 Concen: 147.380 ug/l
 RT: 10.68 min Scan# 2780
 Delta R.T. 0.00 min
 Lab File: VN065042.D
 Acq: 10 Dec 2020 11:59

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Tot Ion: 76 Resp: 546679
 Ion Ratio Lower Upper
 76 100
 78 32.8 26.5 39.7

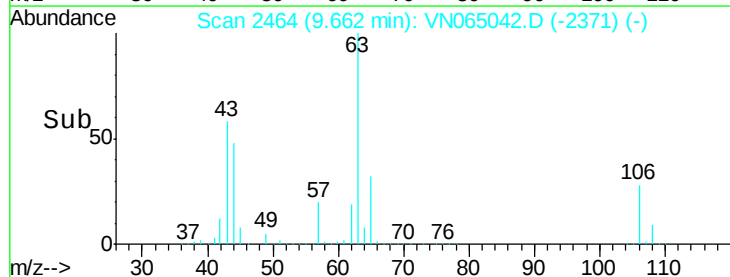
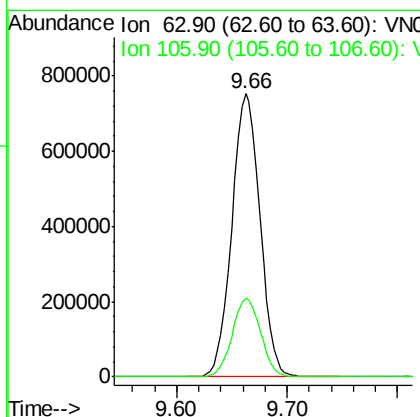
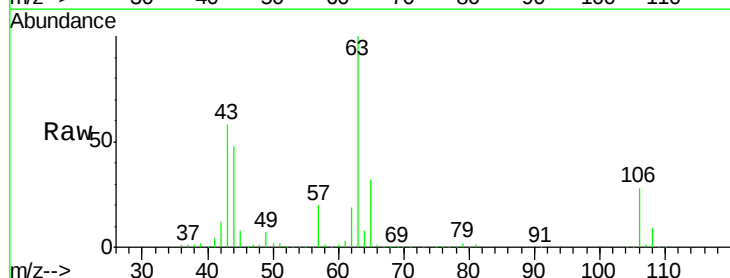
Manual Integrations
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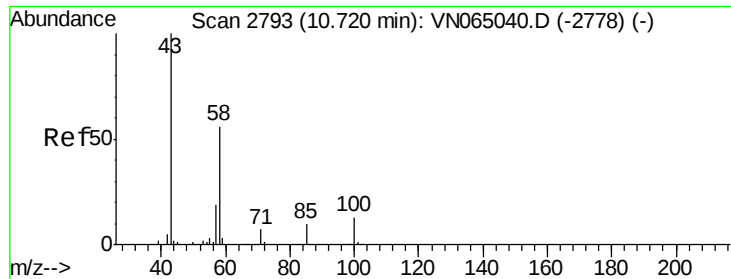
MMDadoda
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#58
 2-Chloroethyl Vinyl ether
 Concen: 786.459 ug/l
 RT: 9.66 min Scan# 2464
 Delta R.T. 0.00 min
 Lab File: VN065042.D
 Acq: 10 Dec 2020 11:59

Tgt Ion: 63 Resp: 1330724
 Ion Ratio Lower Upper
 63 100
 106 28.1 22.6 33.8





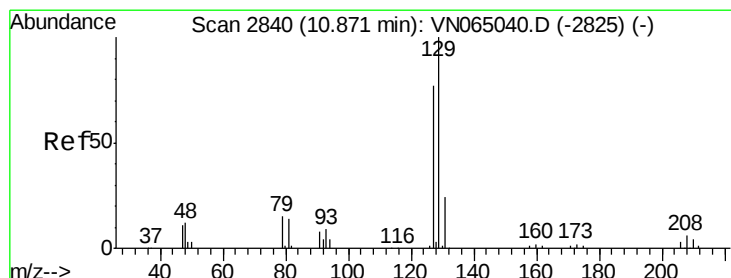
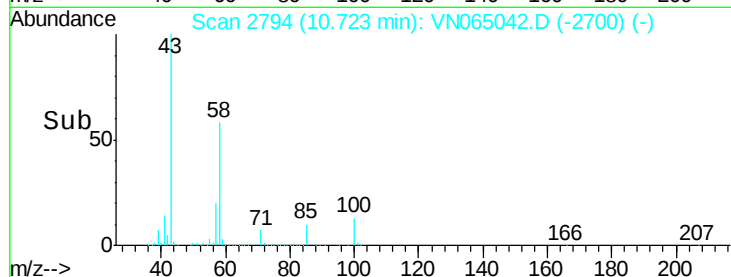
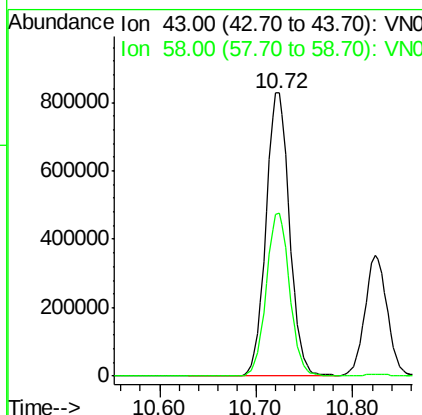
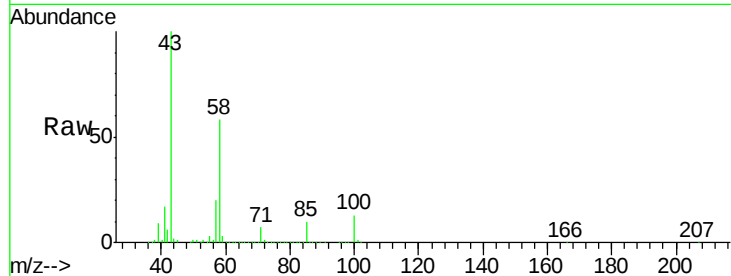
#59
2-Hexanone
Concen: 729.556 ug/l
RT: 10.72 min Scan# 2794
Delta R.T. 0.00 min
Lab File: VN065042.D
Acq: 10 Dec 2020 11:59

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion: 43 Resp: 1396352
Ion Ratio Lower Upper
43 100
58 57.2 28.3 84.9

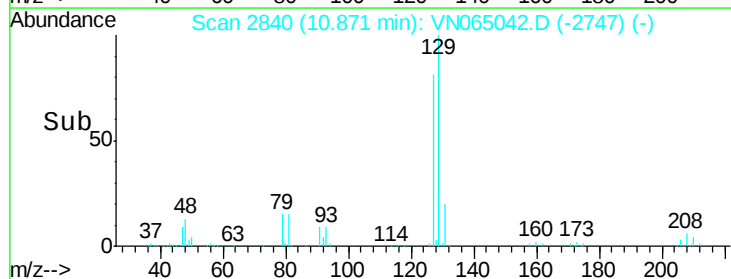
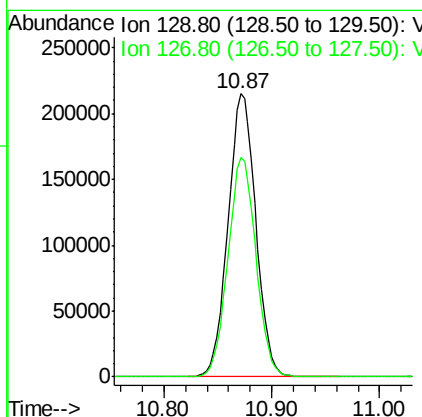
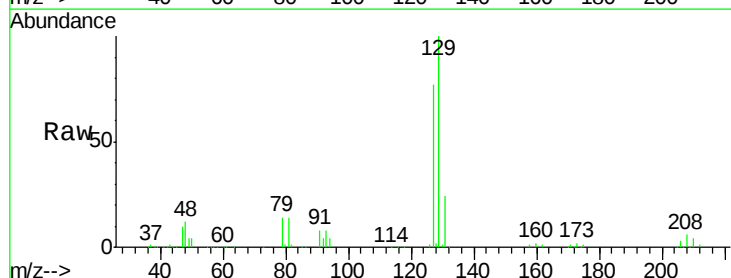
Manual Integrations
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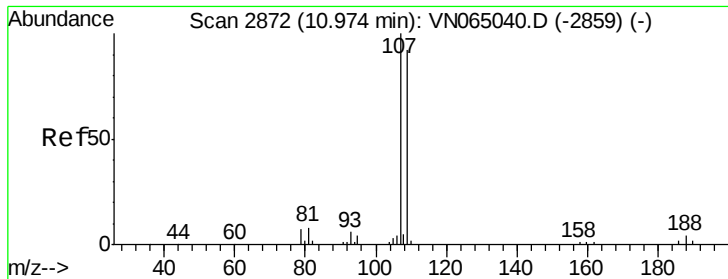
MMDadoda
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#60
Dibromochloromethane
Concen: 154.492 ug/l
RT: 10.87 min Scan# 2840
Delta R.T. 0.00 min
Lab File: VN065042.D
Acq: 10 Dec 2020 11:59

Tgt Ion: 129 Resp: 387030
Ion Ratio Lower Upper
129 100
127 77.8 38.4 115.1





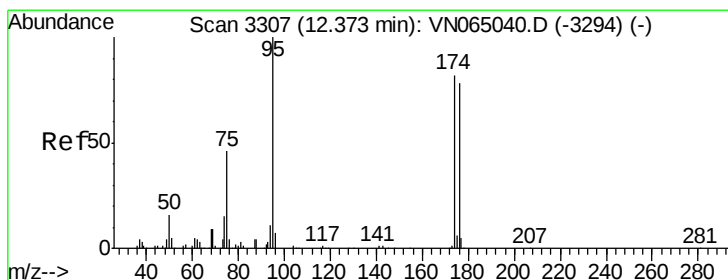
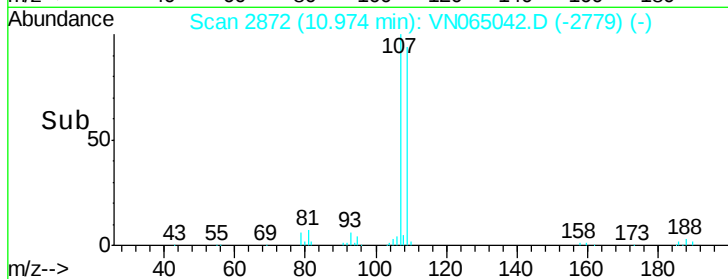
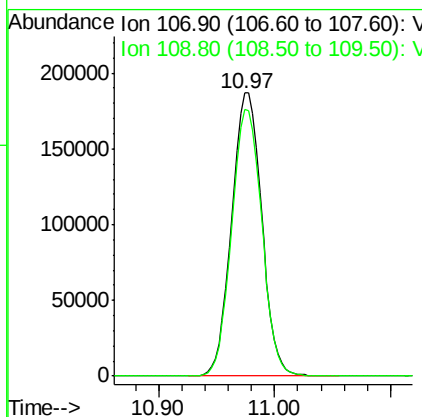
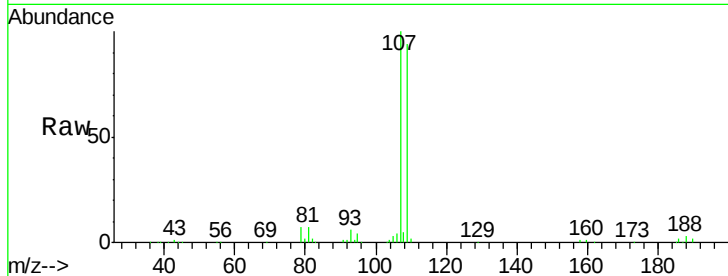
#61
 1,2-Dibromoethane
 Concen: 146.552 ug/l
 RT: 10.97 min Scan# 2872
 Delta R.T. 0.00 min
 Lab File: VN065042.D
 Acq: 10 Dec 2020 11:59

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Resp	Lower	Upper
107	100	334928		
109	94.6	74.1	111.1	

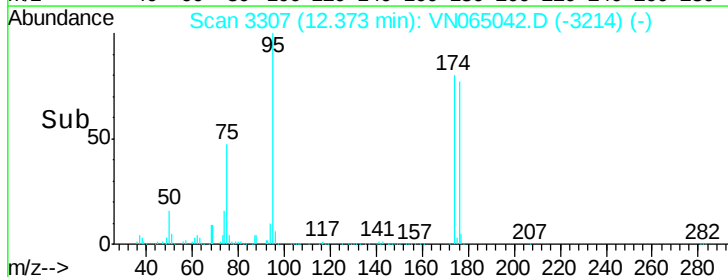
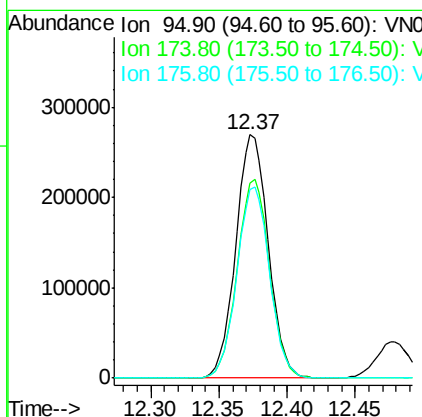
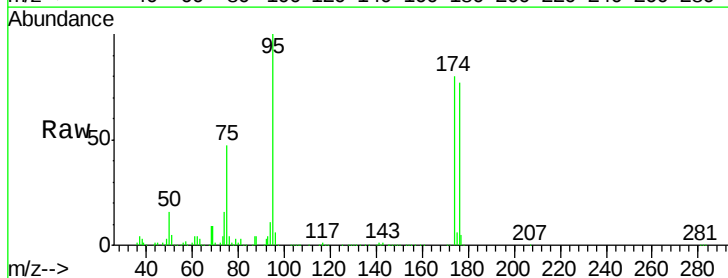
Manual Integrations
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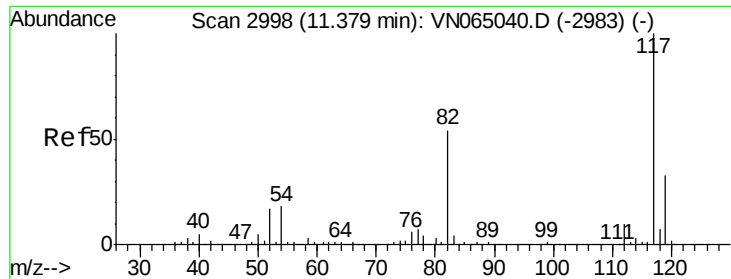
MMDadoda
 12/11/2020 12:32:25 PM



#62
 4-Bromofluorobenzene
 Concen: 161.927 ug/l
 RT: 12.37 min Scan# 3307
 Delta R.T. -0.00 min
 Lab File: VN065042.D
 Acq: 10 Dec 2020 11:59

Tgt Ion	Ratio	Resp	Lower	Upper
95	100	445751		
174	81.4	0.0	164.8	
176	79.0	0.0	158.8	





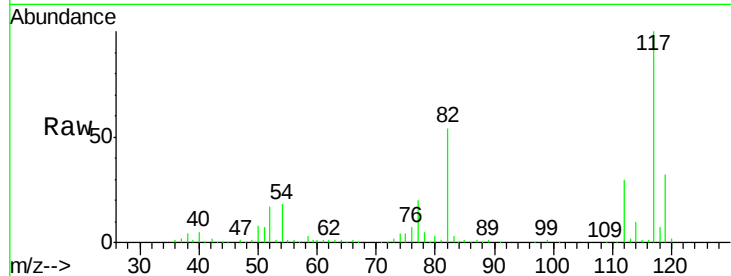
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2998
Delta R.T. 0.00 min
Lab File: VN065042.D
Acq: 10 Dec 2020 11:59

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
117	100		
82	54.5	43.5	65.3
119	32.2	26.4	39.6

Manual Integrations
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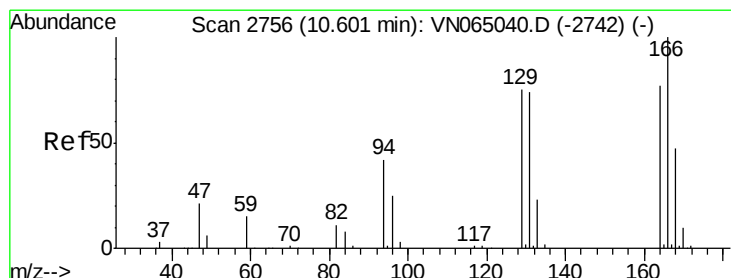
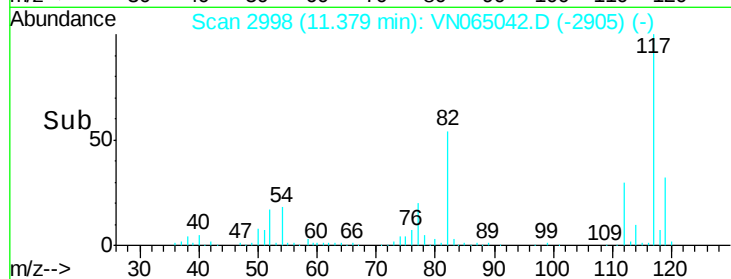
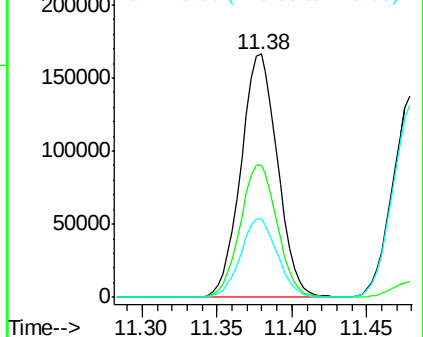


Abundance

Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V



#64
Tetrachloroethene
Concen: 130.497 ug/l
RT: 10.60 min Scan# 2756
Delta R.T. -0.00 min
Lab File: VN065042.D
Acq: 10 Dec 2020 11:59

Tgt Ion	Ratio	Lower	Upper
164	100		
166	127.0	103.3	154.9
129	96.2	77.0	115.4
131	91.2	76.1	114.1

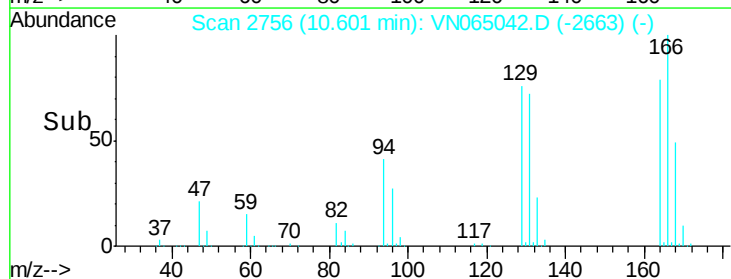
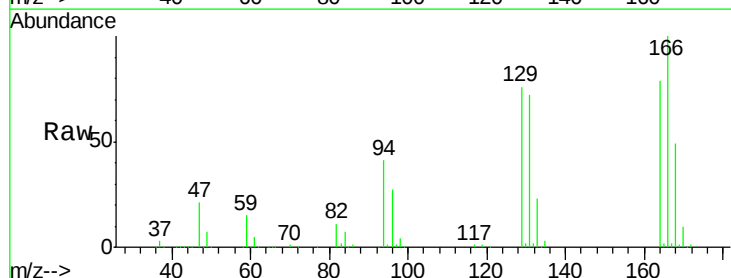
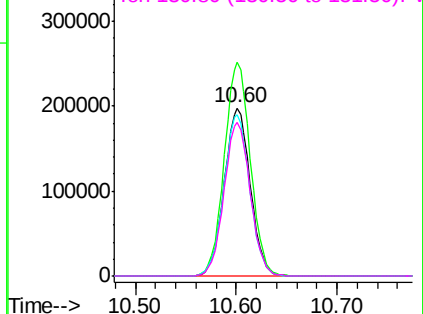
Abundance

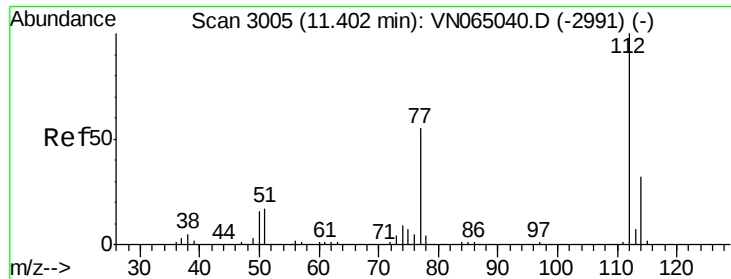
Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V





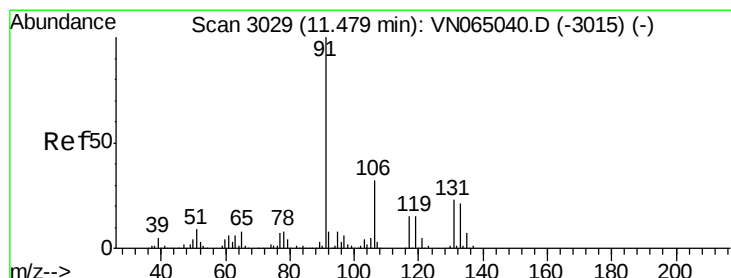
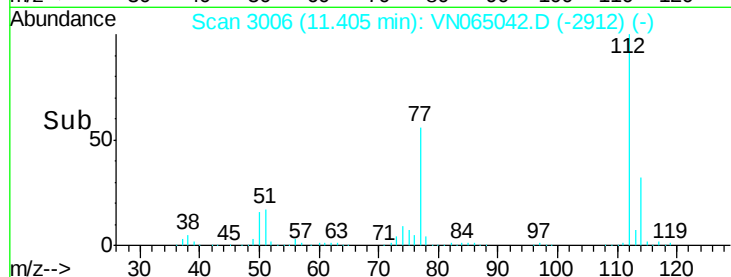
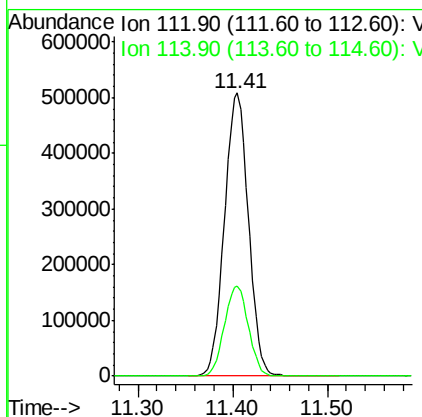
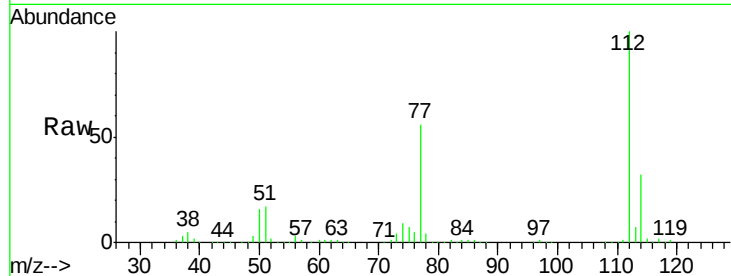
#65
Chlorobenzene
Concen: 146.498 ug/l
RT: 11.41 min Scan# 3006
Delta R.T. 0.00 min
Lab File: VN065042.D
Acq: 10 Dec 2020 11:59

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion:112 Resp: 895090
Ion Ratio Lower Upper
112 100
114 31.9 25.9 38.9

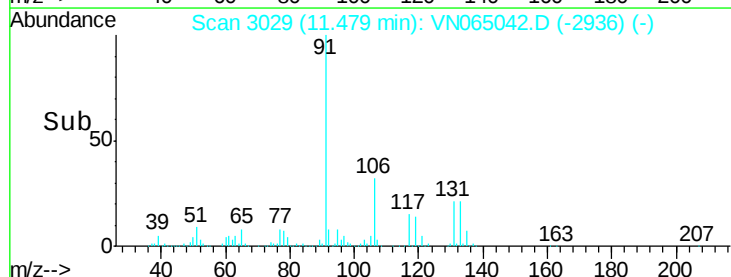
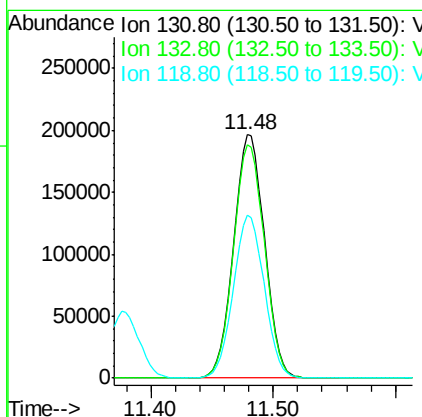
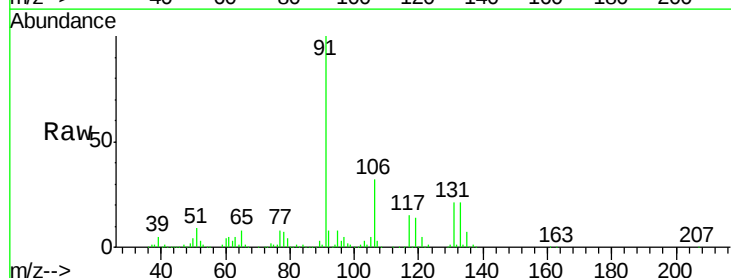
Manual Integrations
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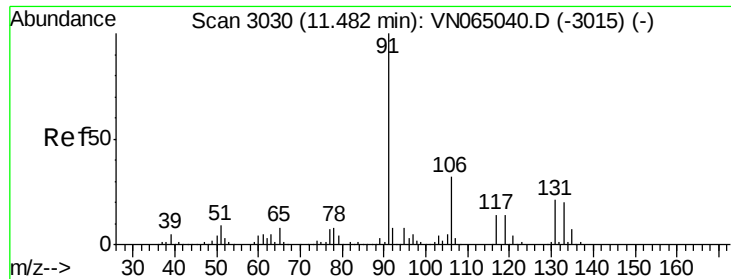
MMDadoda
12/11/2020 12:32:25 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 153.715 ug/l
RT: 11.48 min Scan# 3029
Delta R.T. 0.00 min
Lab File: VN065042.D
Acq: 10 Dec 2020 11:59

Tgt Ion:131 Resp: 345116
Ion Ratio Lower Upper
131 100
133 96.3 48.7 146.1
119 66.9 33.2 99.6





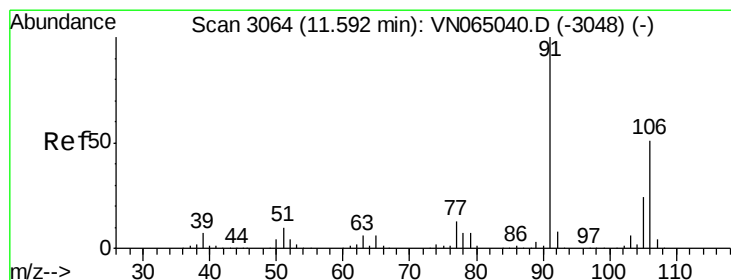
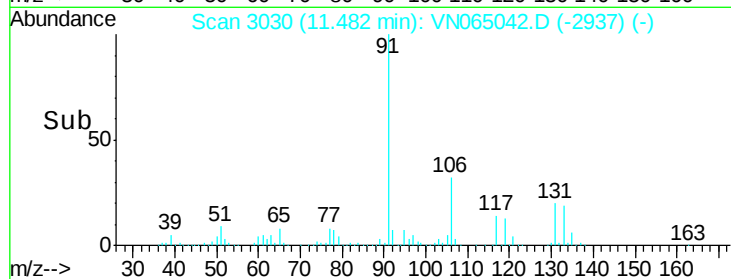
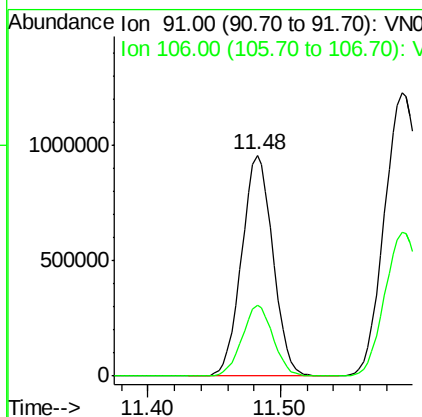
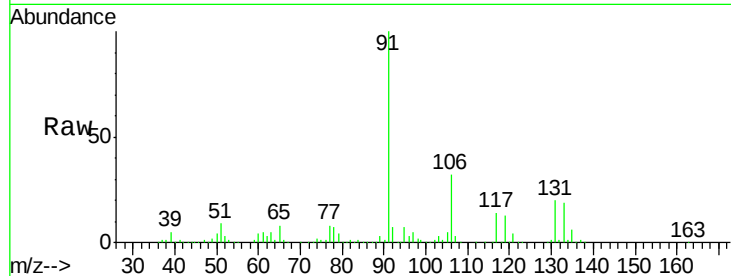
#67
Ethyl Benzene
Concen: 154.421 ug/l
RT: 11.48 min Scan# 3030
Delta R.T. 0.00 min
Lab File: VN065042.D
Acq: 10 Dec 2020 11:59

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion: 91 Resp: 1565228
Ion Ratio Lower Upper
91 100
106 31.8 25.7 38.5

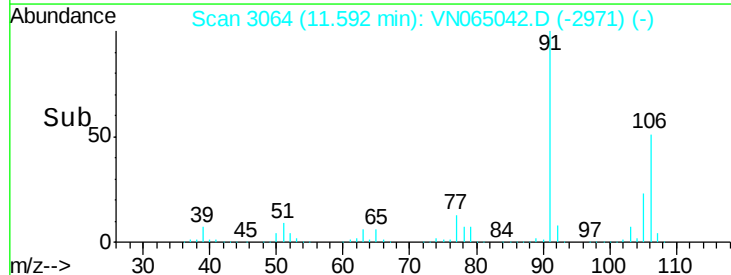
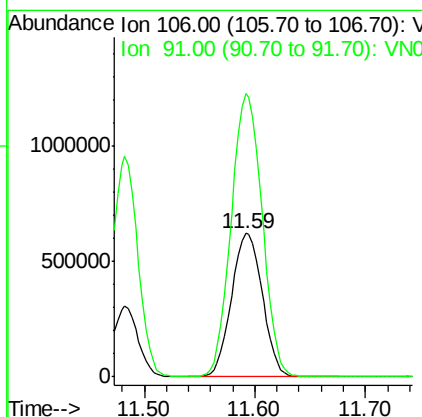
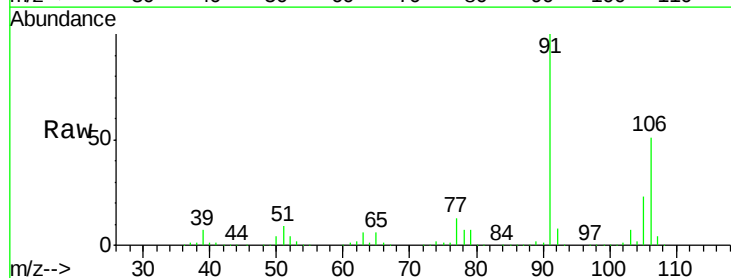
Manual Integrations
APPROVED

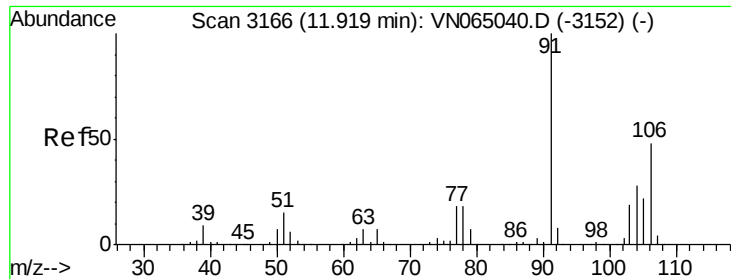
MMDadoda
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#68
m/p-Xylenes
Concen: 312.898 ug/l
RT: 11.59 min Scan# 3064
Delta R.T. 0.00 min
Lab File: VN065042.D
Acq: 10 Dec 2020 11:59

Tgt Ion: 106 Resp: 1207794
Ion Ratio Lower Upper
106 100
91 198.1 157.0 235.6





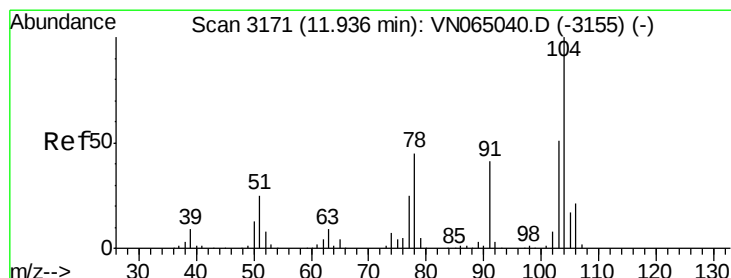
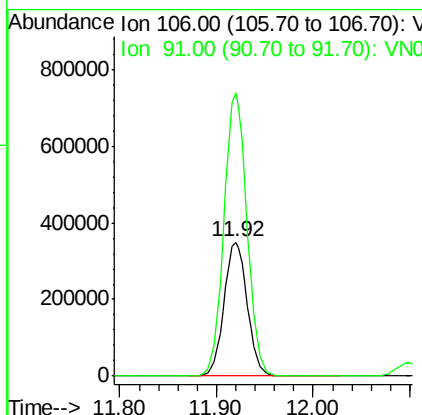
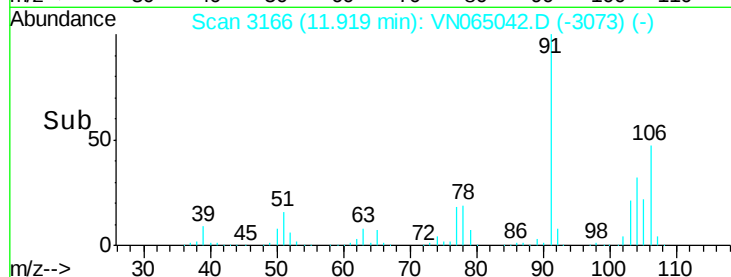
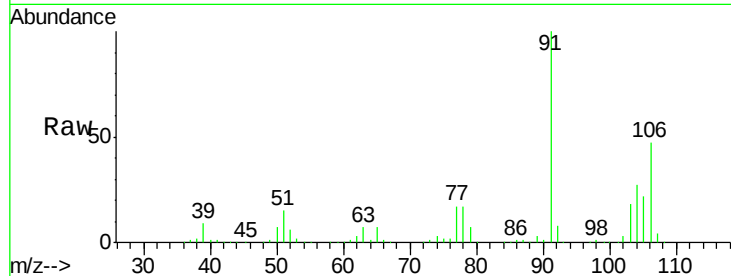
#69
o-Xylene
Concen: 158.535 ug/l
RT: 11.92 min Scan# 3166
Delta R.T. 0.00 min
Lab File: VN065042.D
Acq: 10 Dec 2020 11:59

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion:106 Resp: 579687
Ion Ratio Lower Upper
106 100
91 209.6 104.1 312.3

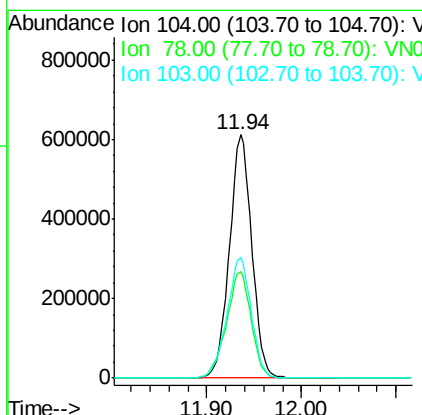
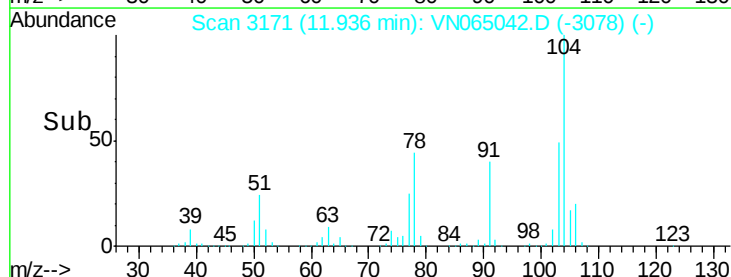
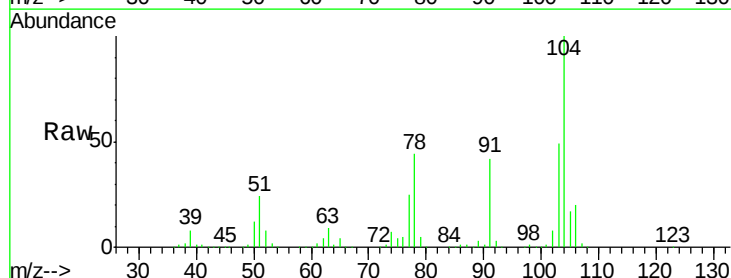
Manual Integrations
APPROVED

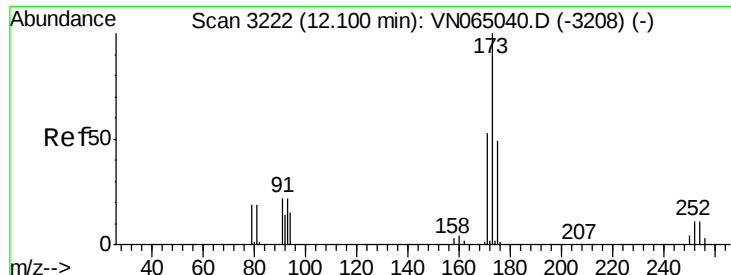
MMDadoda
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#70
Styrene
Concen: 163.078 ug/l
RT: 11.94 min Scan# 3171
Delta R.T. -0.00 min
Lab File: VN065042.D
Acq: 10 Dec 2020 11:59

Tgt Ion:104 Resp: 1007279
Ion Ratio Lower Upper
104 100
78 48.2 38.7 58.1
103 53.8 43.8 65.8





#71

Bromoform

Concen: 152.338 ug/l

RT: 12.10 min Scan# 3222

Delta R.T. 0.00 min

Lab File: VN065042.D

Acq: 10 Dec 2020 11:59

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion:173 Resp: 271698

Ion Ratio Lower Upper

173 100

175 48.6 24.5 73.5

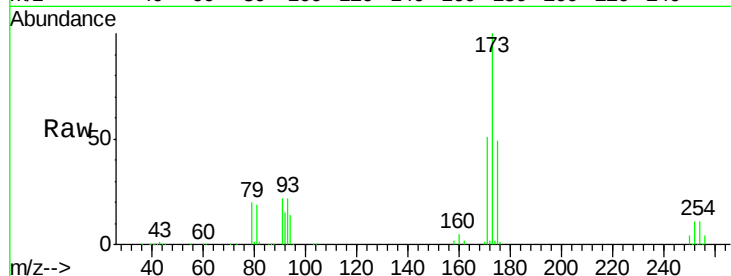
254 0.1 0.0 0.0#

Manual Integrations

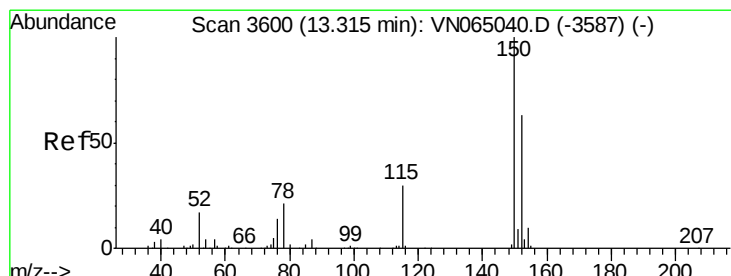
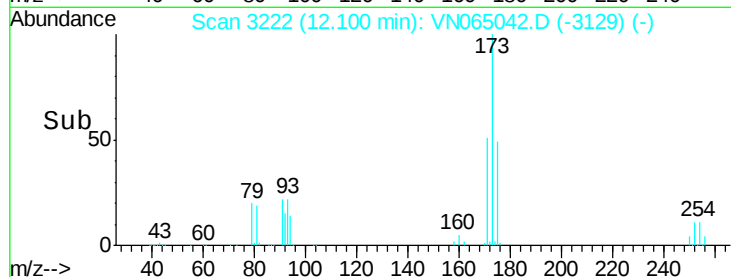
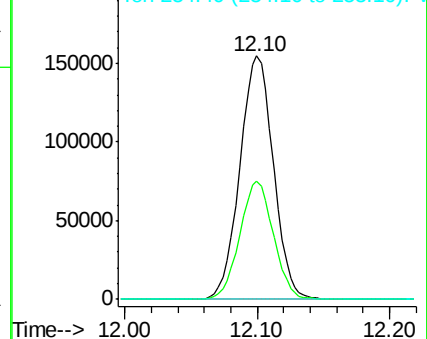
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Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.31 min Scan# 3600

Delta R.T. -0.00 min

Lab File: VN065042.D

Acq: 10 Dec 2020 11:59

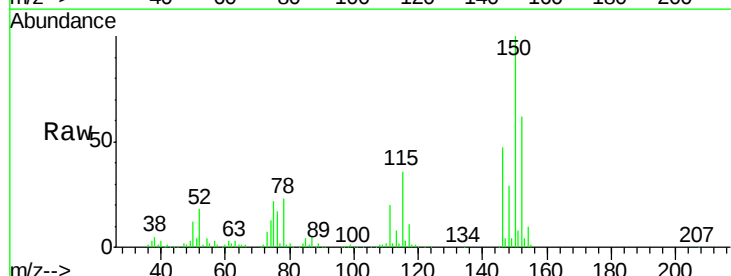
Tgt Ion:152 Resp: 149287

Ion Ratio Lower Upper

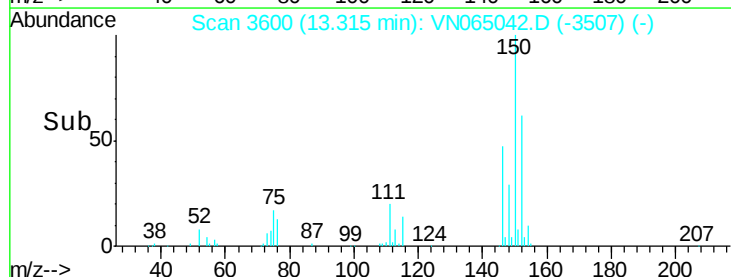
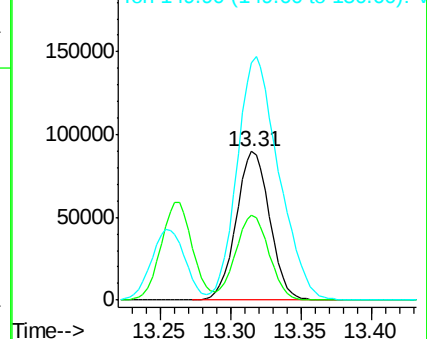
152 100

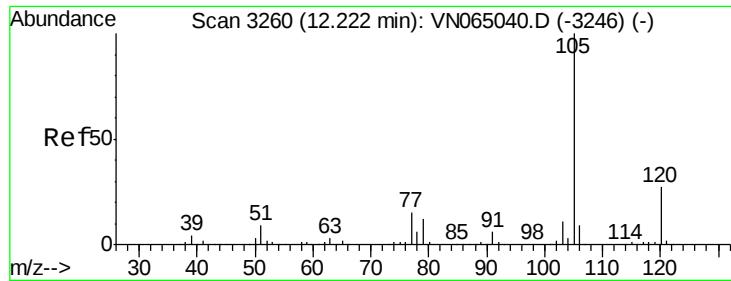
115 57.0 29.3 88.0

150 203.8 0.0 345.8



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 147.755 ug/l

RT: 12.22 min Scan# 3260

Delta R.T. 0.00 min

Lab File: VN065042.D

Acq: 10 Dec 2020 11:59

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion:105 Resp: 1527794

Ion Ratio Lower Upper

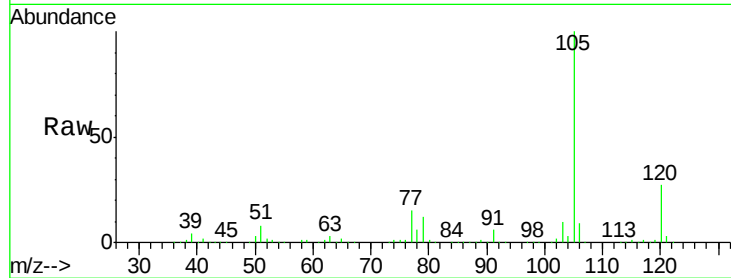
105 100

120 26.6 13.4 40.2

Manual Integrations
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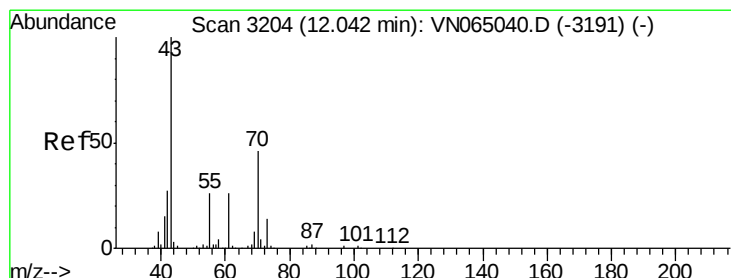
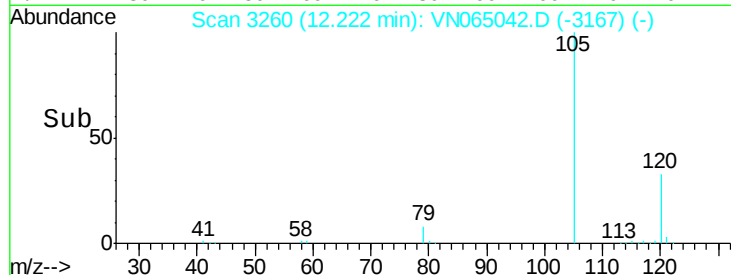
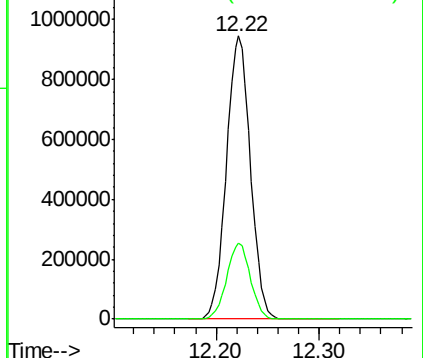
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 145.523 ug/l

RT: 12.04 min Scan# 3204

Delta R.T. 0.00 min

Lab File: VN065042.D

Acq: 10 Dec 2020 11:59

Tgt Ion: 43 Resp: 581862

Ion Ratio Lower Upper

43 100

70 45.1 36.2 54.2

55 25.2 21.4 32.0

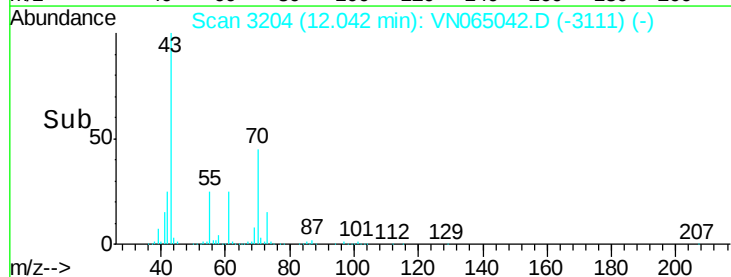
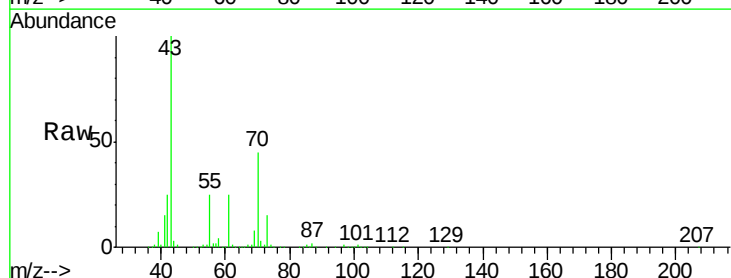
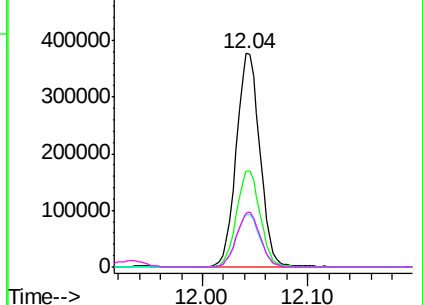
61 25.6 19.8 29.8

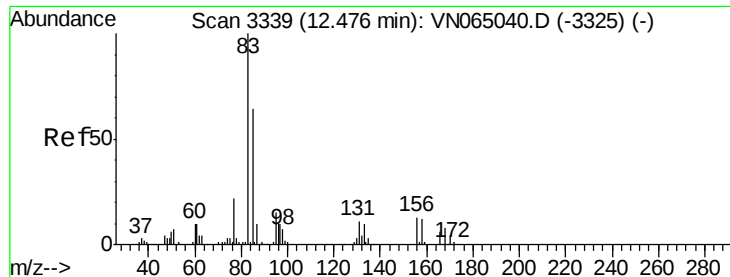
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: 144.925 ug/l

RT: 12.48 min Scan# 3340

Delta R.T. 0.00 min

Lab File: VN065042.D

Acq: 10 Dec 2020 11:59

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion: 83 Resp: 440800

Ion Ratio Lower Upper

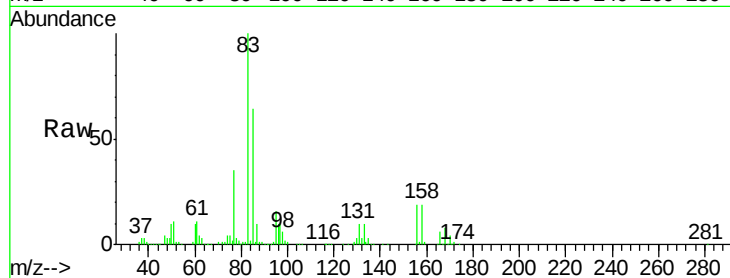
83 100

131 10.4 5.5 16.4

85 64.3 32.3 96.9

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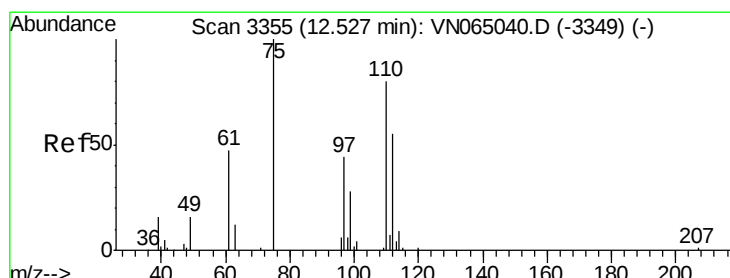
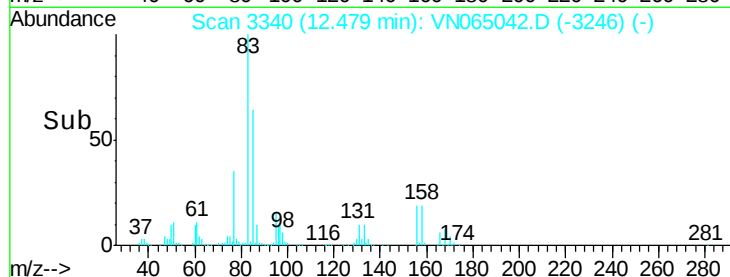
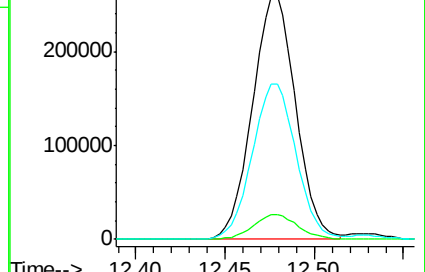
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Abundance Ion 82.90 (82.60 to 83.60): VN065040.D (-3339) (-)

Ion 130.80 (130.50 to 131.50): VN065040.D (-3339) (-)

Ion 84.90 (84.60 to 85.60): VN065040.D (-3339) (-)



#76

1,2,3-Trichloropropane

Concen: 137.493 ug/l m

RT: 12.53 min Scan# 3355

Delta R.T. -0.00 min

Lab File: VN065042.D

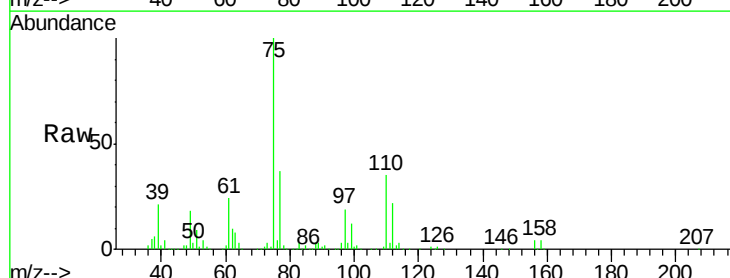
Acq: 10 Dec 2020 11:59

Tgt Ion: 75 Resp: 435259

Ion Ratio Lower Upper

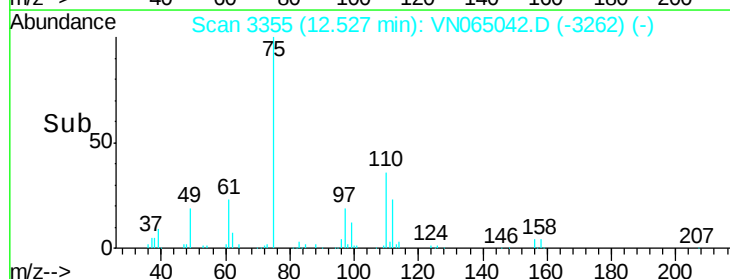
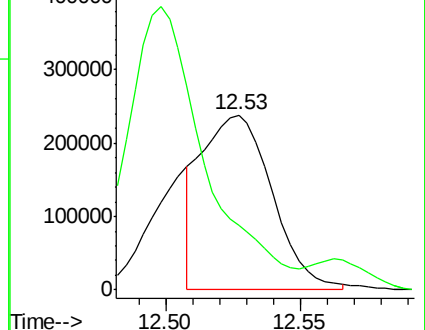
75 100

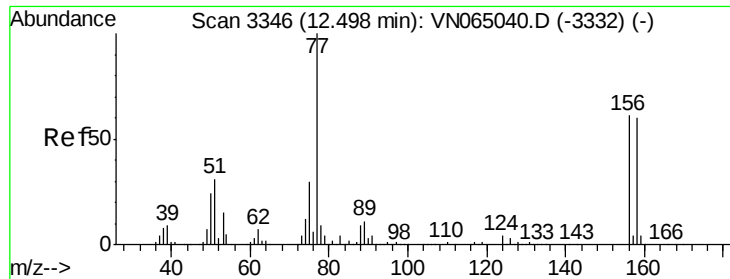
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN065040.D (-3349) (-)

Ion 77.00 (76.70 to 77.70): VN065040.D (-3349) (-)





#77

Bromobenzene

Concen: 140.408 ug/l

RT: 12.50 min Scan# 3346

Delta R.T. 0.00 min

Lab File: VN065042.D

Acq: 10 Dec 2020 11:59

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion:156 Resp: 392548

Ion Ratio Lower Upper

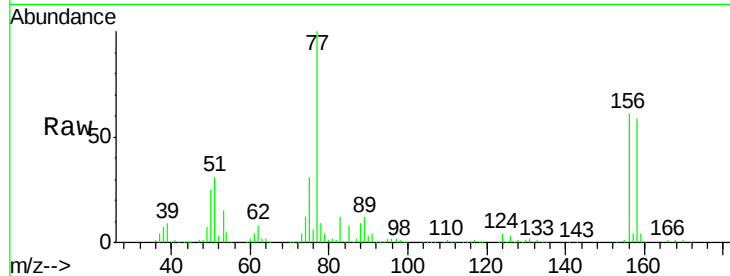
156 100

77 199.5 99.3 297.8

158 96.7 49.0 147.0

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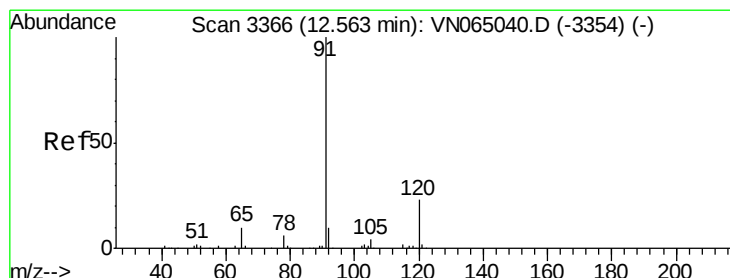
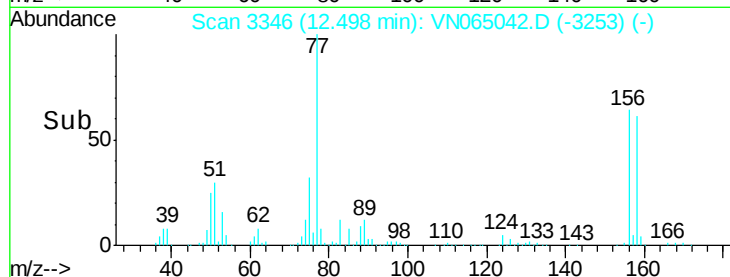
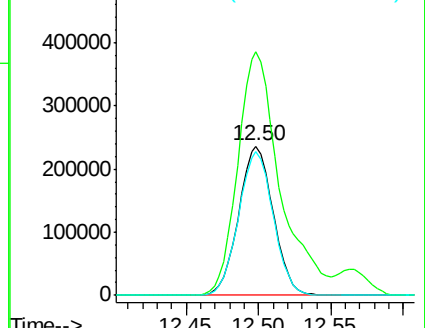
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 148.855 ug/l

RT: 12.56 min Scan# 3366

Delta R.T. 0.00 min

Lab File: VN065042.D

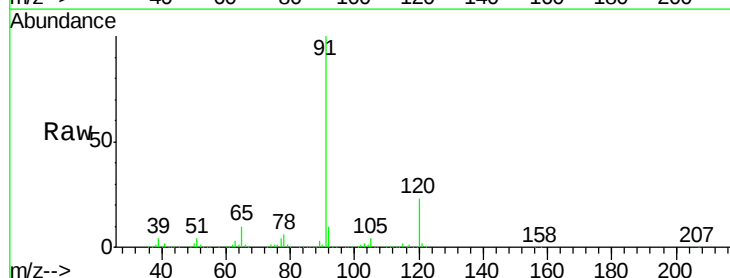
Acq: 10 Dec 2020 11:59

Tgt Ion: 91 Resp: 1746796

Ion Ratio Lower Upper

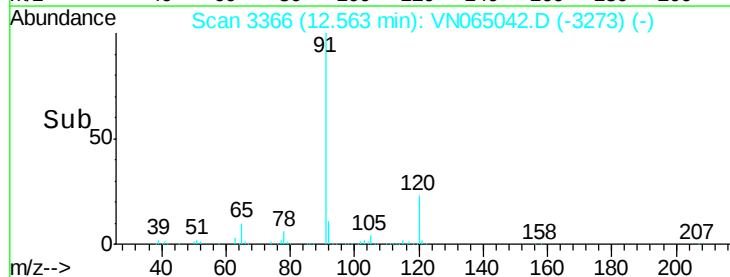
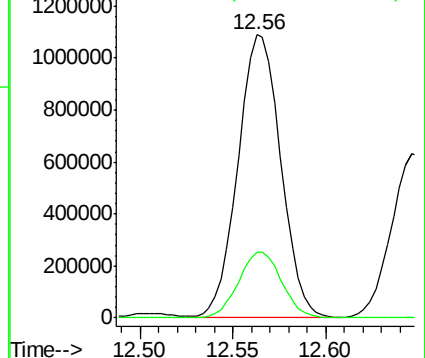
91 100

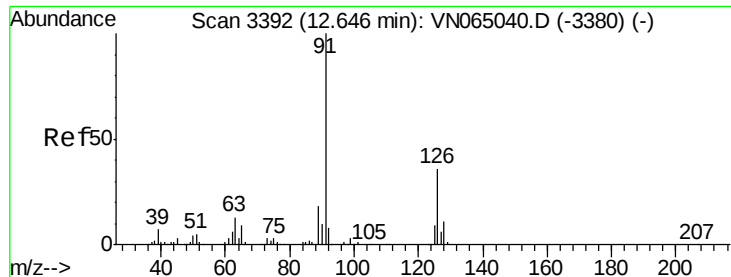
120 23.3 11.9 35.9



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 143.177 ug/l

RT: 12.65 min Scan# 3392

Delta R.T. -0.00 min

Lab File: VN065042.D

Acq: 10 Dec 2020 11:59

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion: 91 Resp: 1040012

Ion Ratio Lower Upper

91 100

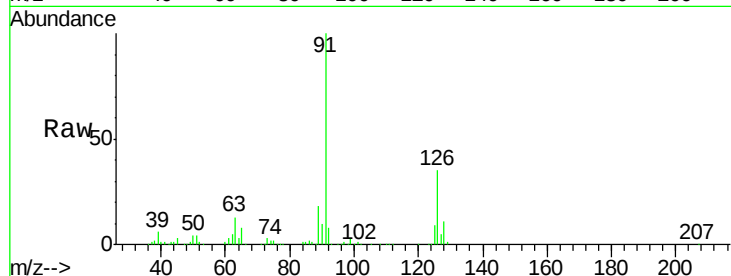
126 34.8 17.6 52.9

Manual Integrations

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Abundance Ion 91.00 (90.70 to 91.70): VN065040.D (-3380) (-)

Ion 125.90 (125.60 to 126.60): VN065040.D (-3380) (-)

800000

600000

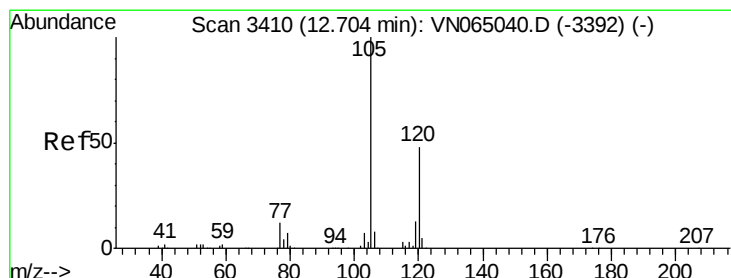
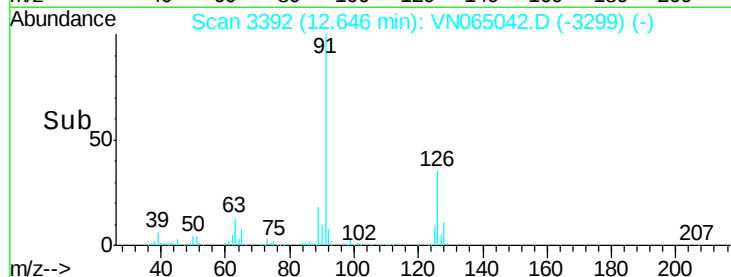
400000

200000

0

12.60 12.65 12.70

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 152.399 ug/l

RT: 12.71 min Scan# 3411

Delta R.T. 0.00 min

Lab File: VN065042.D

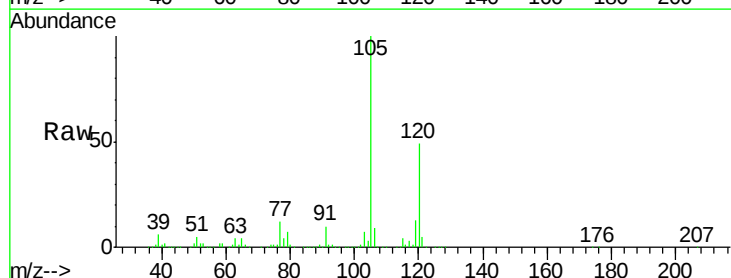
Acq: 10 Dec 2020 11:59

Tgt Ion:105 Resp: 1308905

Ion Ratio Lower Upper

105 100

120 49.0 24.5 73.5



Abundance Ion 105.00 (104.70 to 105.70): VN065040.D (-3392) (-)

Ion 120.00 (119.70 to 120.70): VN065040.D (-3392) (-)

800000

600000

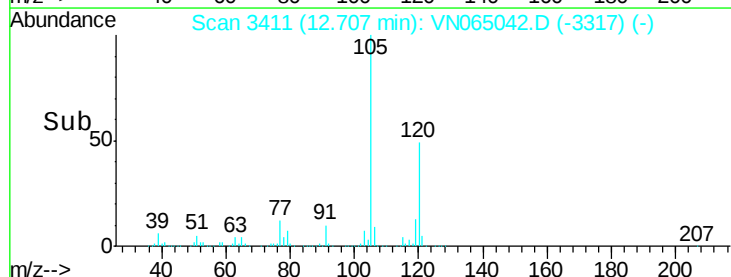
400000

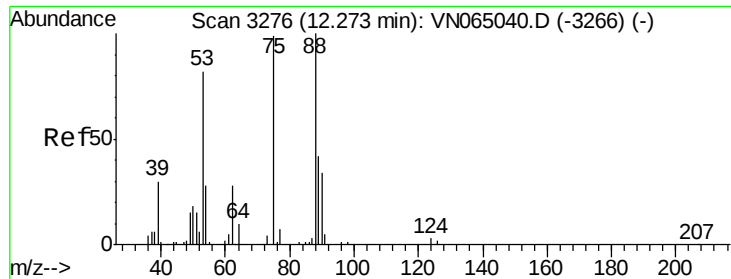
200000

0

12.60 12.70 12.80

Time-->





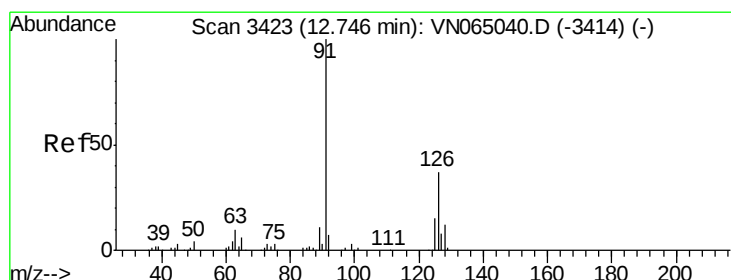
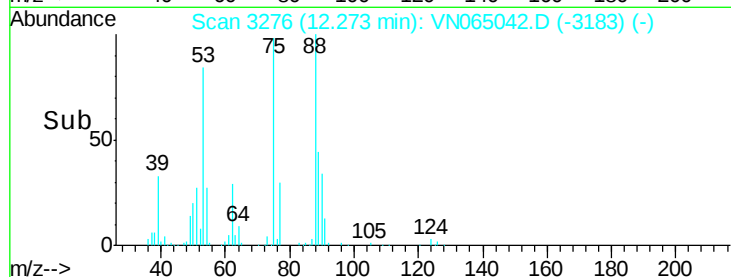
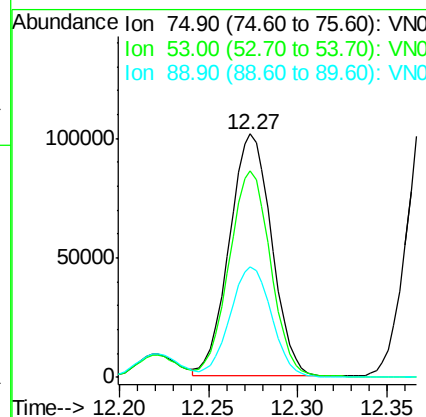
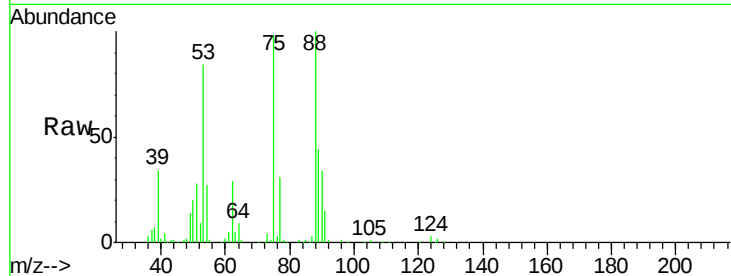
#81
trans-1,4-Dichloro-2-butene
Concen: 146.648 ug/l
RT: 12.27 min Scan# 3276
Delta R.T. 0.00 min
Lab File: VN065042.D
Acq: 10 Dec 2020 11:59

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
75	100		
53	83.9	68.6	103.0
89	44.9	36.2	54.4

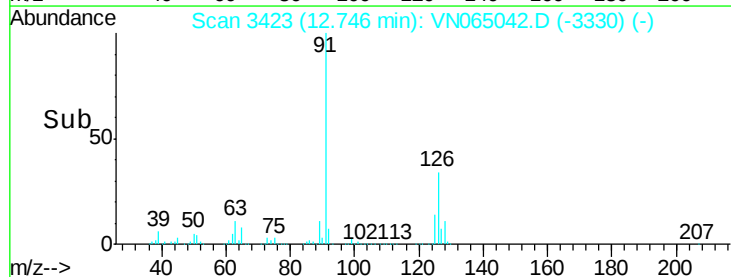
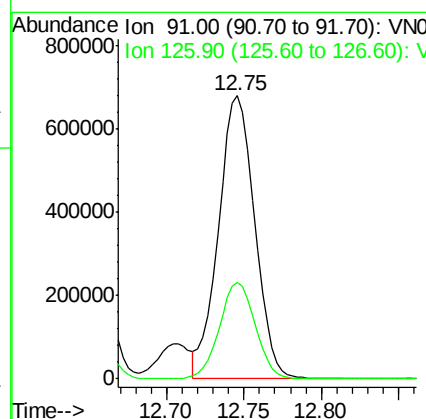
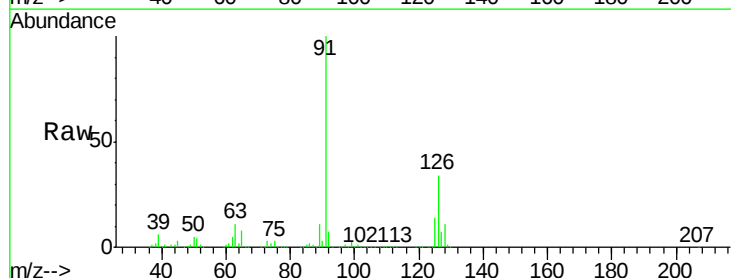
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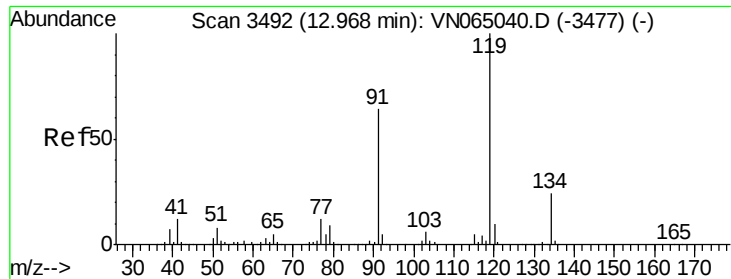
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#82
4-Chlorotoluene
Concen: 144.537 ug/l
RT: 12.75 min Scan# 3423
Delta R.T. 0.00 min
Lab File: VN065042.D
Acq: 10 Dec 2020 11:59

Tgt Ion	Ratio	Lower	Upper
91	100		
126	33.9	17.3	52.0





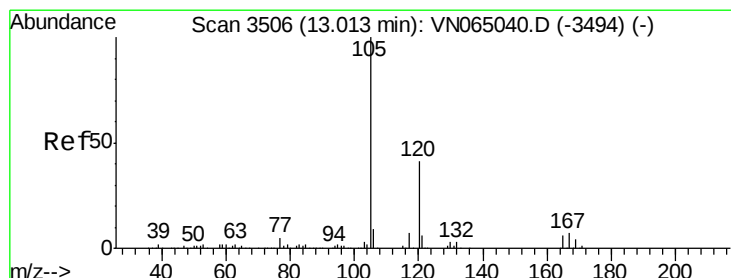
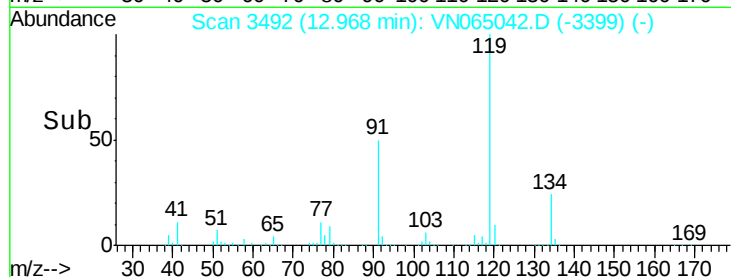
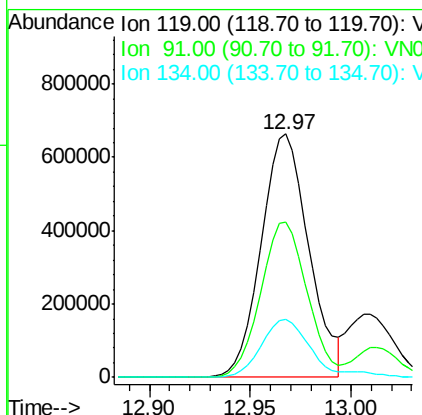
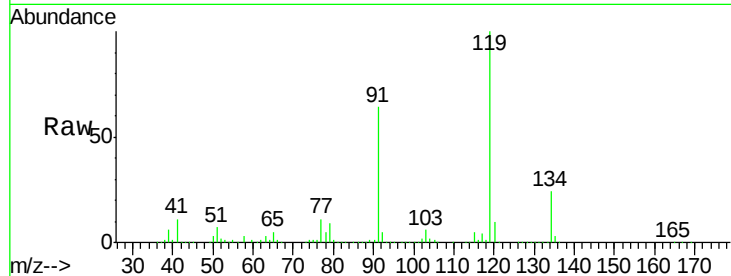
#83
tert-Butylbenzene
Concen: 151.579 ug/l
RT: 12.97 min Scan# 3492
Delta R.T. 0.00 min
Lab File: VN065042.D
Acq: 10 Dec 2020 11:59

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
119	100		
91	62.1	31.1	93.5
134	25.1	12.6	37.6

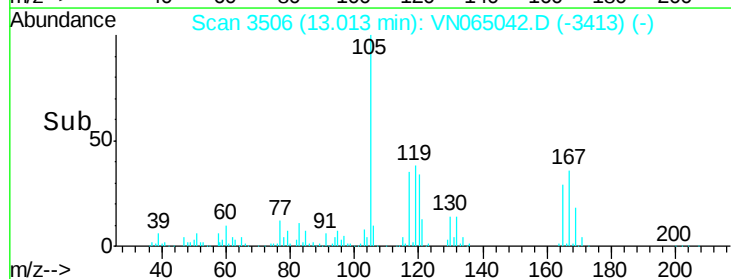
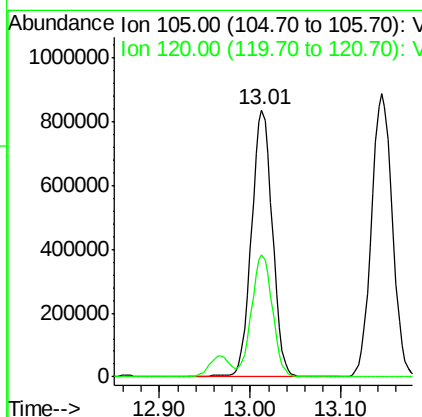
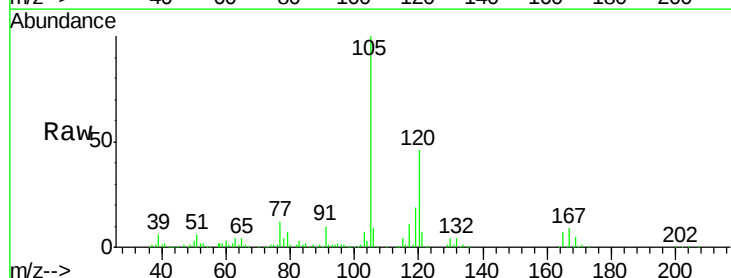
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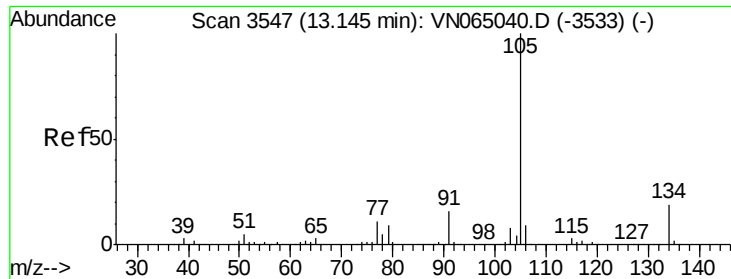
MMDadoda
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#84
1,2,4-Trimethylbenzene
Concen: 153.288 ug/l
RT: 13.01 min Scan# 3506
Delta R.T. 0.00 min
Lab File: VN065042.D
Acq: 10 Dec 2020 11:59

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.9	23.1	69.2





#85

sec-Butylbenzene

Concen: 148.411 ug/l

RT: 13.14 min Scan# 3547

Delta R.T. 0.00 min

Lab File: VN065042.D

Acq: 10 Dec 2020 11:59

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion:105 Resp: 1411271

Ion Ratio Lower Upper

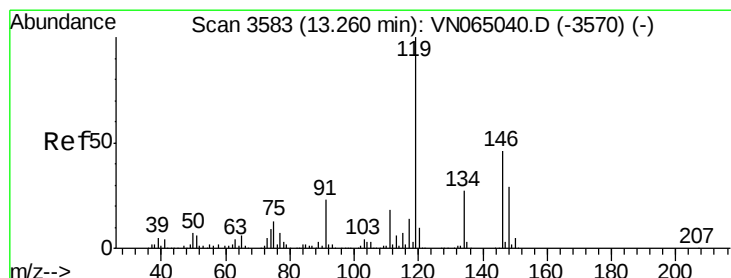
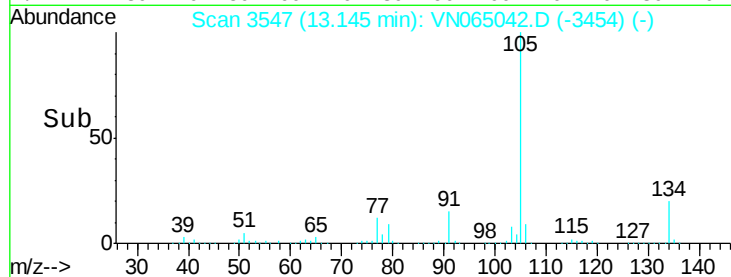
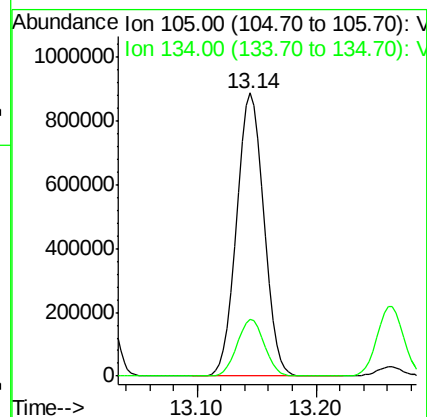
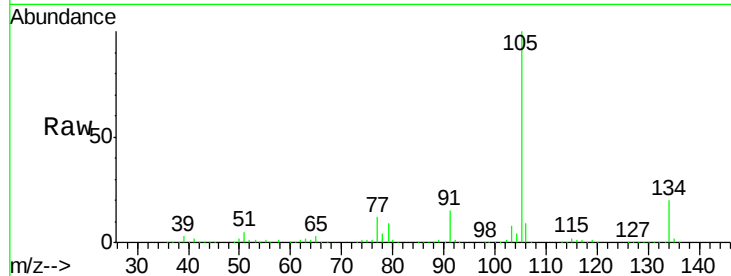
105 100

134 20.1 9.8 29.5

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#86

p-Isopropyltoluene

Concen: 153.657 ug/l

RT: 13.26 min Scan# 3583

Delta R.T. 0.00 min

Lab File: VN065042.D

Acq: 10 Dec 2020 11:59

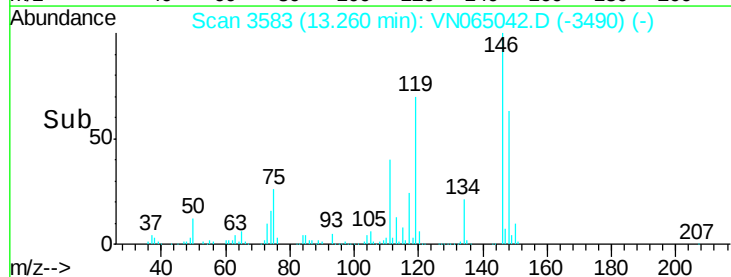
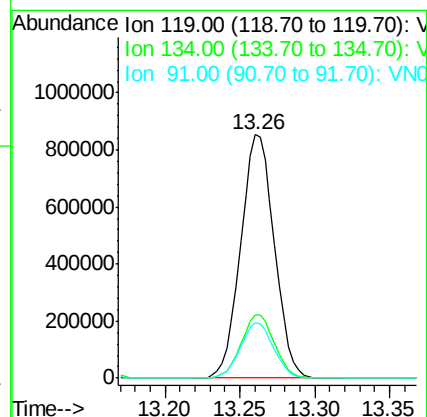
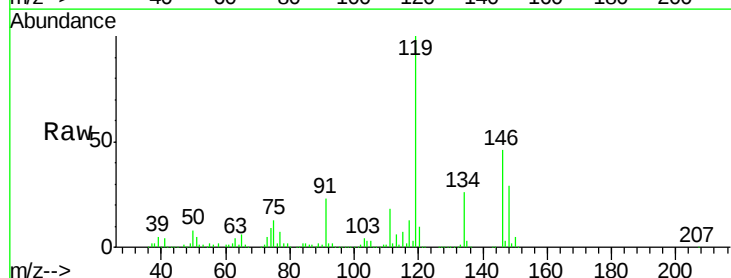
Tgt Ion:119 Resp: 1330191

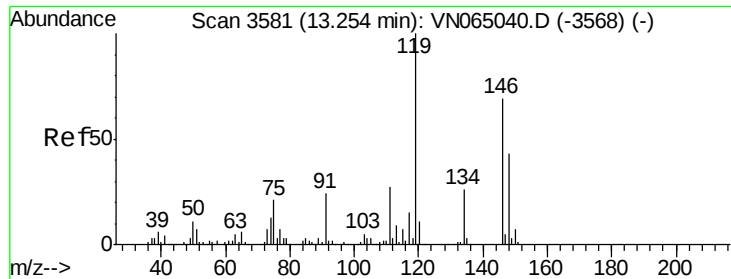
Ion Ratio Lower Upper

119 100

134 25.8 13.0 38.9

91 22.5 11.5 34.4





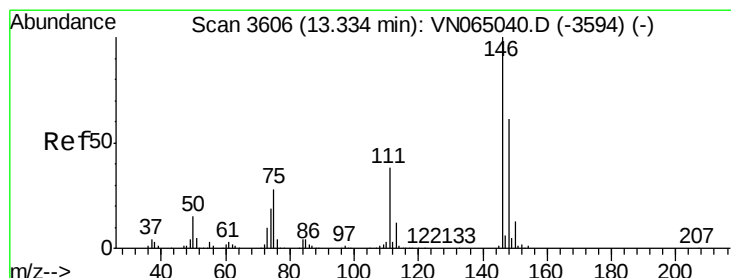
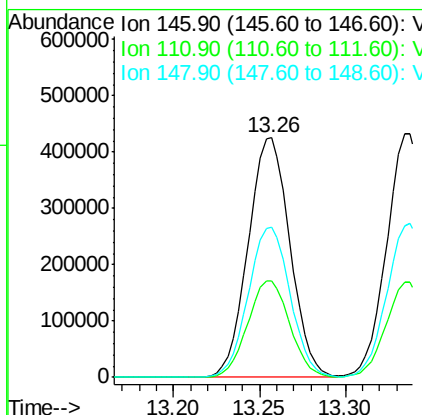
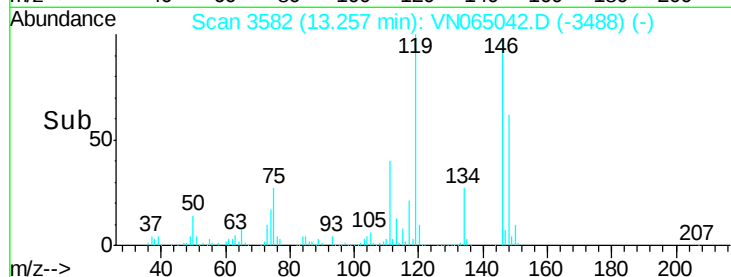
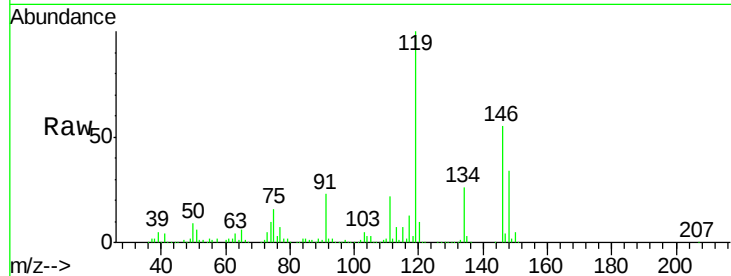
#87
 1,3-Dichlorobenzene
 Concen: 144.850 ug/l
 RT: 13.26 min Scan# 3582
 Delta R.T. 0.00 min
 Lab File: VN065042.D
 Acq: 10 Dec 2020 11:59

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.4	20.0	59.9
148	62.7	31.6	94.7

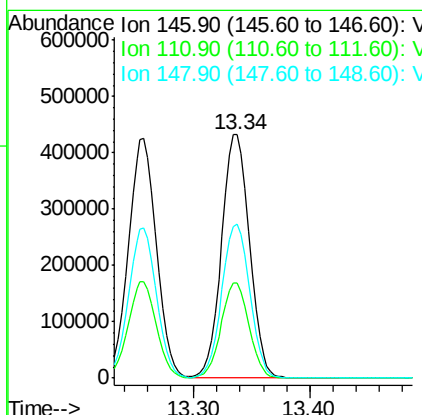
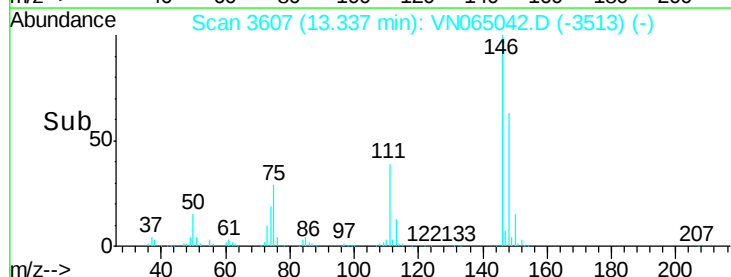
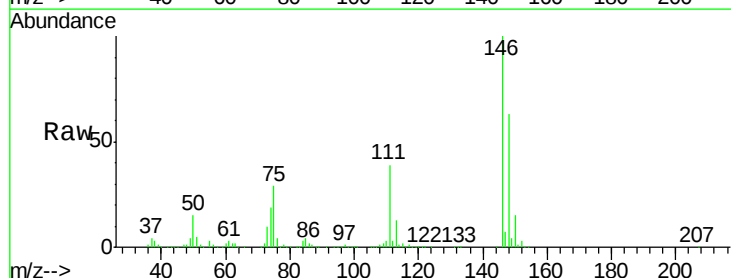
Manual Integrations
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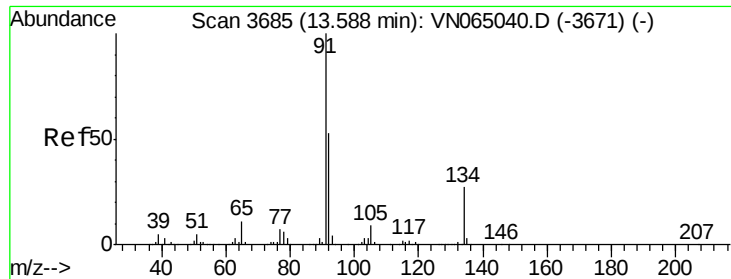
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 12/11/2020 12:32:25 PM



#88
 1,4-Dichlorobenzene
 Concen: 137.175 ug/l
 RT: 13.34 min Scan# 3607
 Delta R.T. 0.00 min
 Lab File: VN065042.D
 Acq: 10 Dec 2020 11:59

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.7	19.2	57.6
148	63.6	31.1	93.3





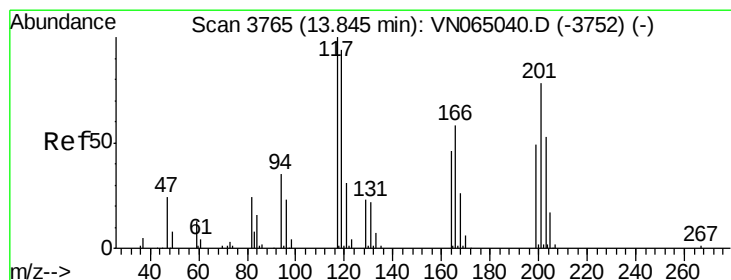
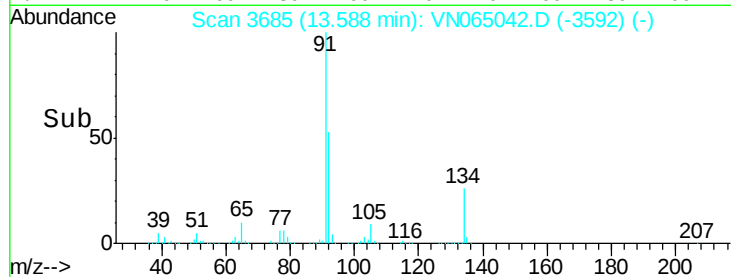
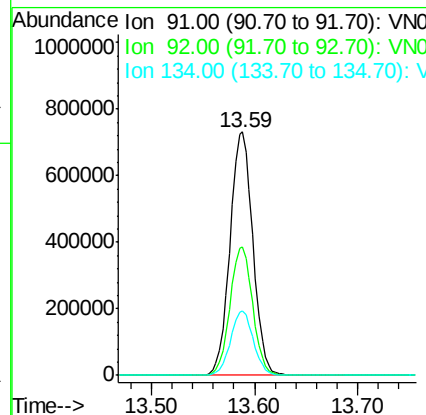
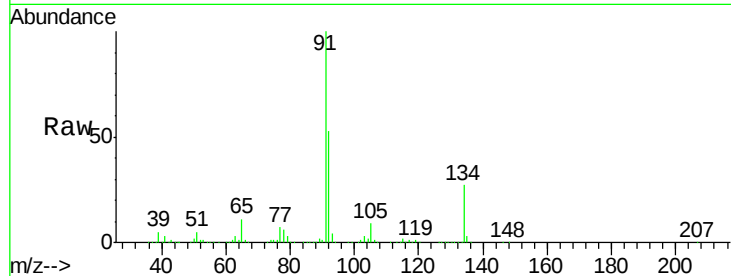
#89
n-Butylbenzene
Concen: 149.328 ug/l
RT: 13.59 min Scan# 3685
Delta R.T. -0.00 min
Lab File: VN065042.D
Acq: 10 Dec 2020 11:59

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion: 91 Resp: 1129136
Ion Ratio Lower Upper
91 100
92 52.3 25.9 77.8
134 26.4 13.2 39.6

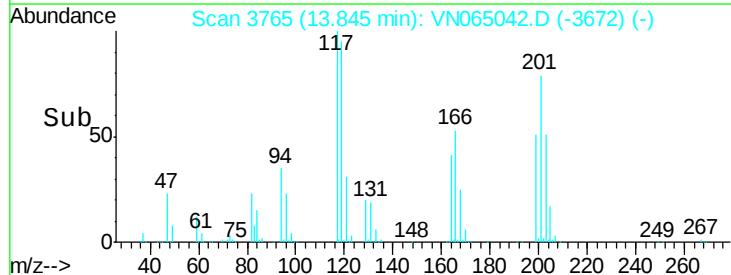
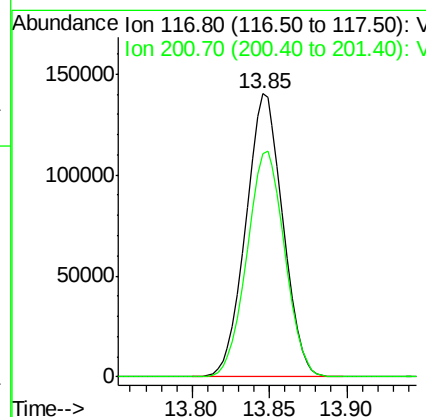
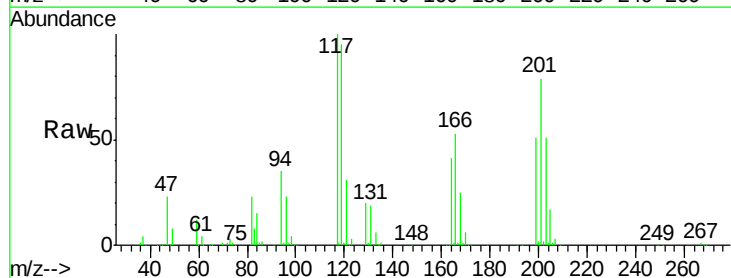
Manual Integrations
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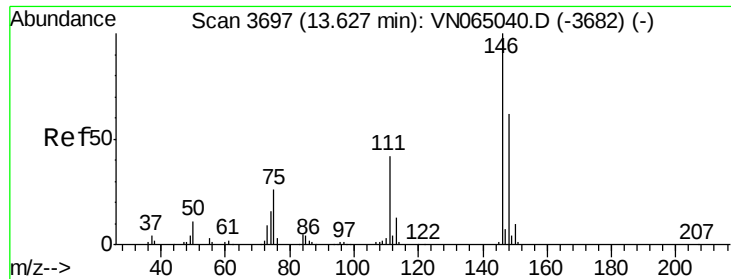
MMDadoda
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#90
Hexachloroethane
Concen: 154.600 ug/l
RT: 13.85 min Scan# 3765
Delta R.T. 0.00 min
Lab File: VN065042.D
Acq: 10 Dec 2020 11:59

Tgt Ion: 117 Resp: 233802
Ion Ratio Lower Upper
117 100
201 81.3 39.5 118.3





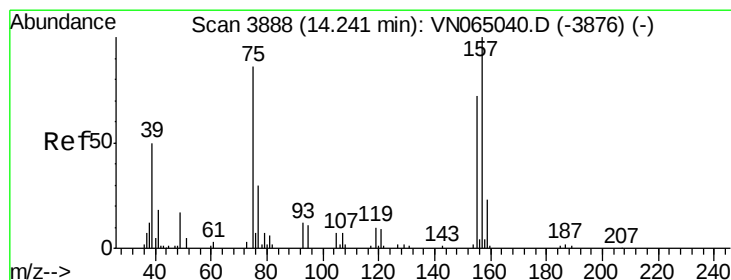
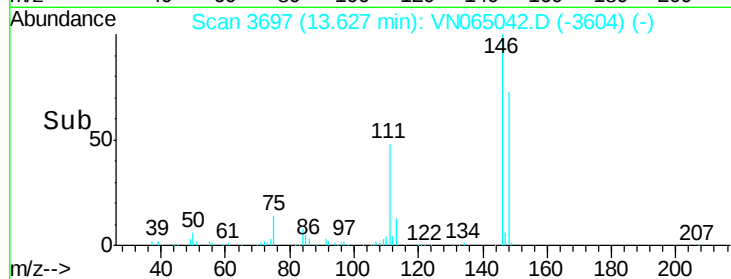
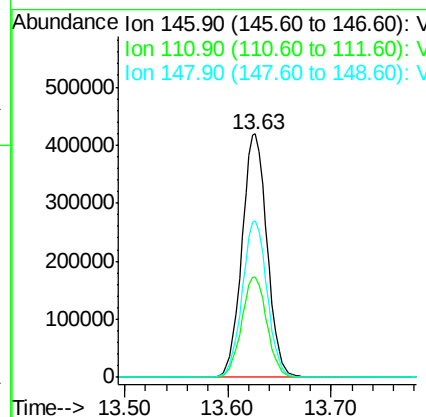
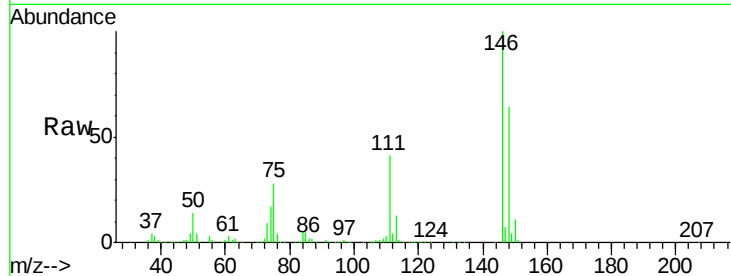
#91
 1,2-Dichlorobenzene
 Concen: 145.191 ug/l
 RT: 13.63 min Scan# 3697
 Delta R.T. 0.00 min
 Lab File: VN065042.D
 Acq: 10 Dec 2020 11:59

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Resp	Lower	Upper
146	100	708639		
111	41.5		21.1	63.1
148	63.8		31.7	95.1

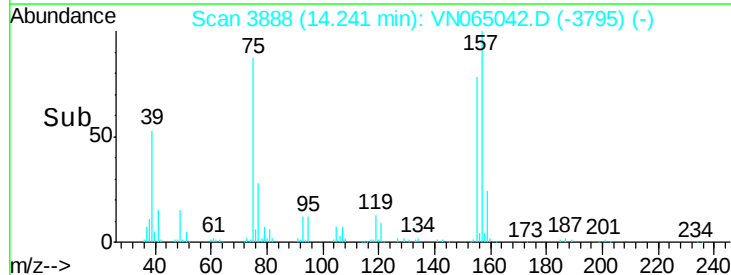
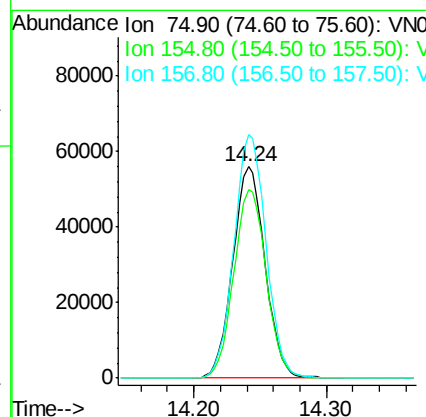
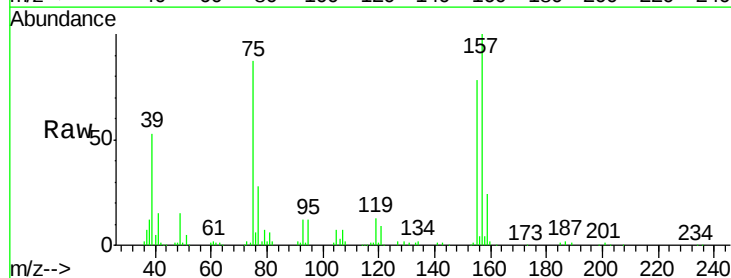
Manual Integrations
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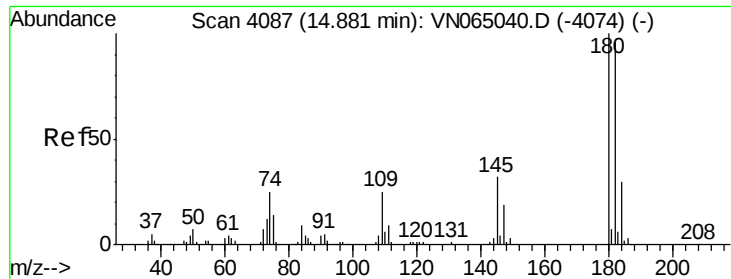
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 141.633 ug/l
 RT: 14.24 min Scan# 3888
 Delta R.T. 0.00 min
 Lab File: VN065042.D
 Acq: 10 Dec 2020 11:59

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	94848		
155	89.5		43.8	131.4
157	114.3		58.1	174.3





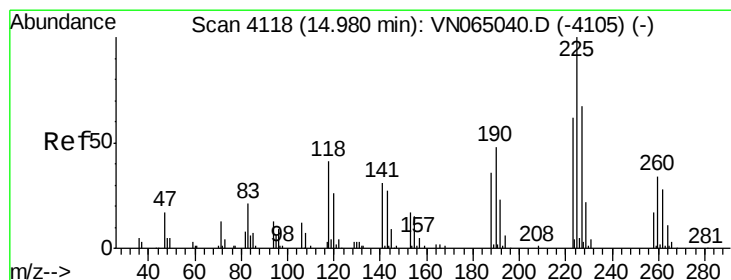
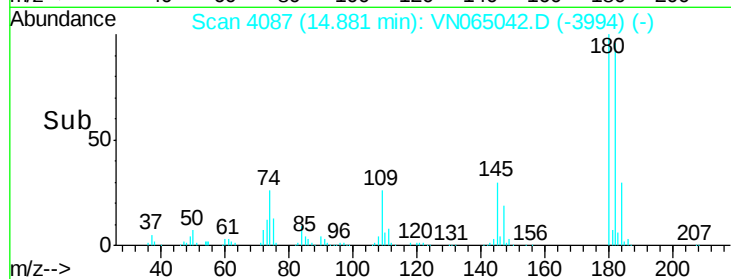
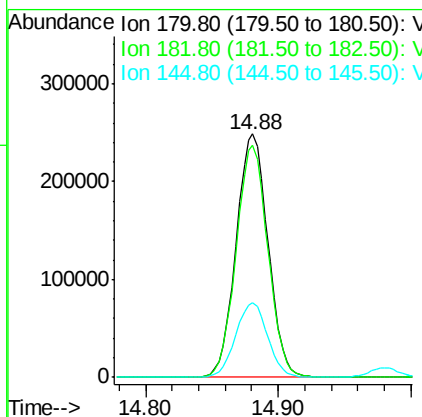
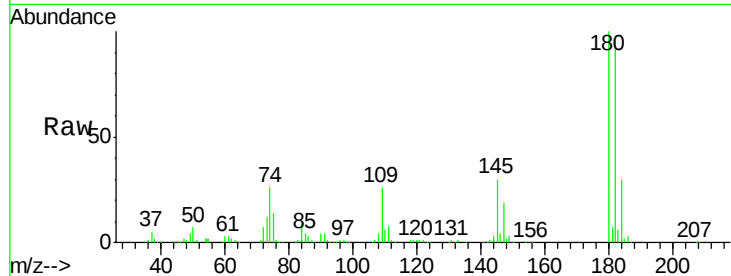
#93
 1,2,4-Trichlorobenzene
 Concen: 140.528 ug/l
 RT: 14.88 min Scan# 4087
 Delta R.T. 0.00 min
 Lab File: VN065042.D
 Acq: 10 Dec 2020 11:59

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Resp	Lower	Upper
180	100	414871		
182	95.1	47.0	141.2	
145	30.7	15.4	46.4	

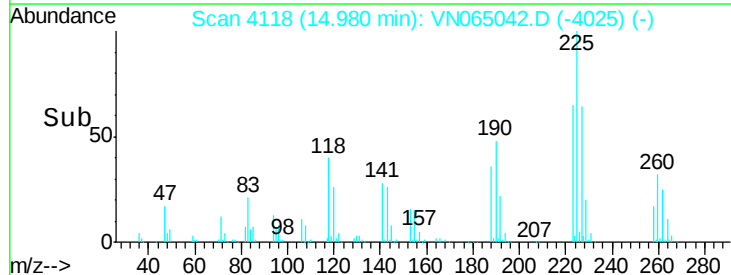
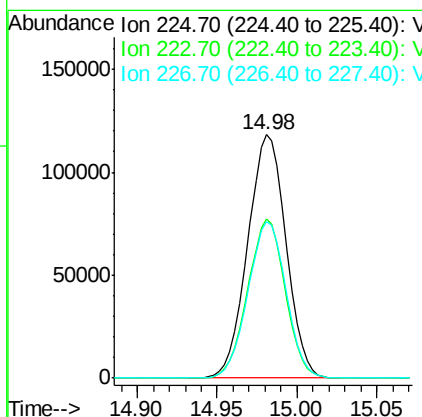
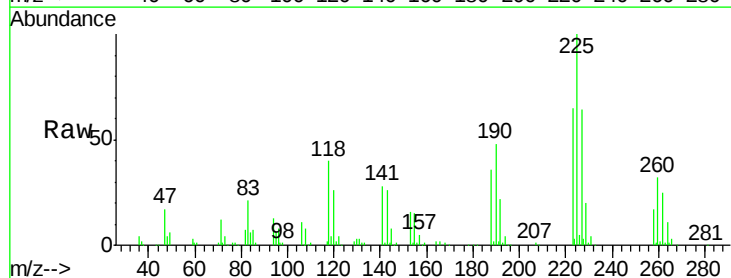
Manual Integrations
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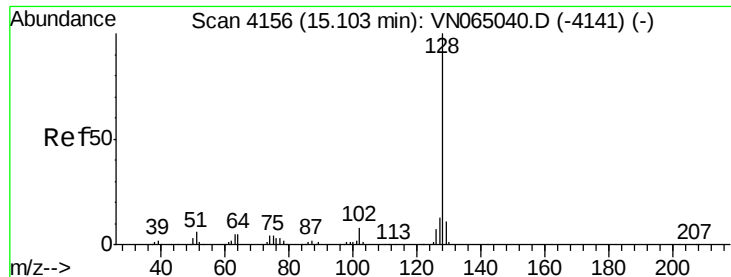
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#94
 Hexachlorobutadiene
 Concen: 128.612 ug/l
 RT: 14.98 min Scan# 4118
 Delta R.T. 0.00 min
 Lab File: VN065042.D
 Acq: 10 Dec 2020 11:59

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	193584		
223	64.0	31.4	94.0	
227	63.9	32.3	96.8	





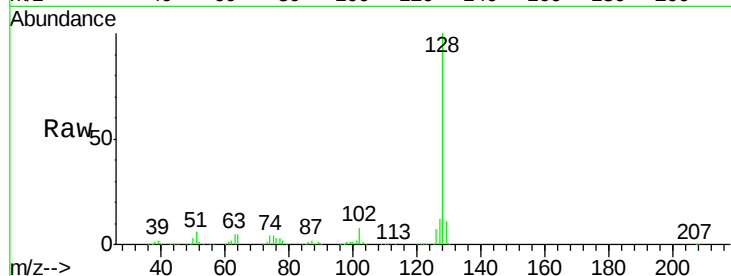
#95
Naphthalene
Concen: 142.919 ug/l
RT: 15.10 min Scan# 4156
Delta R.T. 0.00 min
Lab File: VN065042.D
Acq: 10 Dec 2020 11:59

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.5	10.2	15.2
129	10.8	8.5	12.7

Manual Integrations
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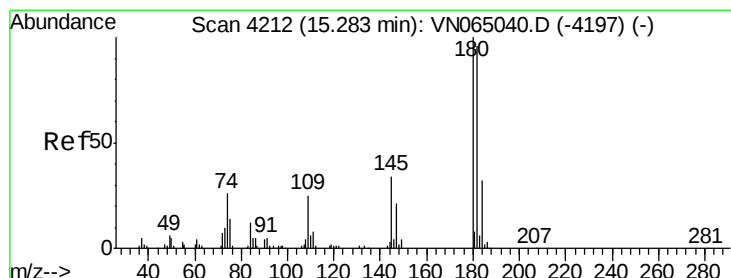
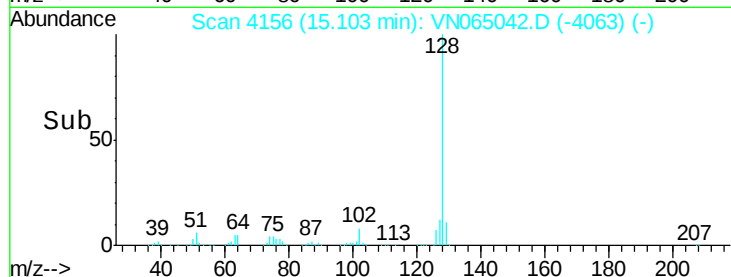
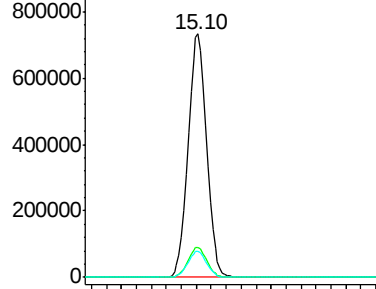


Abundance

Ion 128.00 (127.70 to 128.70): V

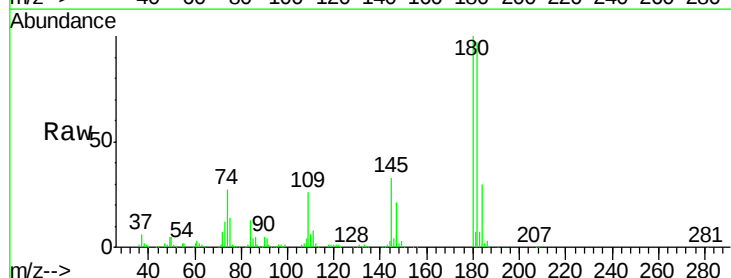
Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96
1,2,3-Trichlorobenzene
Concen: 134.116 ug/l
RT: 15.28 min Scan# 4211
Delta R.T. -0.00 min
Lab File: VN065042.D
Acq: 10 Dec 2020 11:59

Tgt Ion	Ratio	Lower	Upper
180	100		
182	97.0	48.3	144.9
145	32.4	16.2	48.6



Abundance

Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

