

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN121020\
 Data File : VN065040.D
 Acq On : 10 Dec 2020 11:11
 Operator : JC/MD
 Sample : VSTDICCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Manual Integrations
 APPROVED

MMDadoda
 12/11/2020 12:32:20 PM

Quant Time: Dec 10 14:19:56 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	214075	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	327842	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	293632	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.31	152	147350	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.99	65	118681	47.68	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	95.36%
35) Dibromofluoromethane	7.55	113	101866	51.15	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	102.30%
50) Toluene-d8	10.06	98	396750	49.26	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	98.52%
62) 4-Bromofluorobenzene	12.37	95	138029	48.12	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	96.24%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.83	85	67396	37.662	ug/l 100
3) Chloromethane	2.04	50	92158	39.365	ug/l 100
4) Vinyl Chloride	2.17	62	99834	40.681	ug/l 100
5) Bromomethane	2.53	94	68172	42.327	ug/l 100
6) Chloroethane	2.67	64	68715	44.748	ug/l 100
7) Trichlorofluoromethane	2.99	101	153895	44.790	ug/l 100
8) Diethyl Ether	3.37	74	62447	45.947	ug/l 100
9) 1,1,2-Trichlorotrifluoroet	3.72	101	95268	46.081	ug/l 100
10) Methyl Iodide	3.91	142	117559	44.630	ug/l 100
11) Tert butyl alcohol	4.74	59	77138	207.156	ug/l 100
12) 1,1-Dichloroethene	3.69	96	87597	42.998	ug/l 100
13) Acrolein	3.57	56	59440	249.256	ug/l 100
14) Allyl chloride	4.27	41	147969	43.969	ug/l 100
15) Acrylonitrile	4.93	53	244553	231.904	ug/l 100
16) Acetone	3.78	43	228193	273.021	ug/l 100
17) Carbon Disulfide	4.01	76	208178	35.837	ug/l 100
18) Methyl Acetate	4.28	43	114394	46.800	ug/l 100
19) Methyl tert-butyl Ether	4.99	73	313592	47.658	ug/l 100
20) Methylene Chloride	4.50	84	111198	43.644	ug/l 100
21) trans-1,2-Dichloroethene	4.99	96	97732	43.120	ug/l 100
22) Diisopropyl ether	5.90	45	329971	48.548	ug/l 100
23) Vinyl Acetate	5.85	43	1291951	239.315	ug/l 100
24) 1,1-Dichloroethane	5.80	63	191625	47.187	ug/l 100
25) 2-Butanone	6.79	43	316697	242.481	ug/l 100
26) 2,2-Dichloropropane	6.78	77	162833	46.252	ug/l 100
27) cis-1,2-Dichloroethene	6.78	96	118336	46.075	ug/l 100
28) Bromochloromethane	7.15	49	87349	46.966	ug/l 100
29) Tetrahydrofuran	7.17	42	202572	226.751	ug/l 100
30) Chloroform	7.33	83	201156	47.739	ug/l 100
31) Cyclohexane	7.61	56	141130	41.702	ug/l 100
32) 1,1,1-Trichloroethane	7.53	97	169165	46.957	ug/l 100
36) 1,1-Dichloropropene	7.75	75	142386	47.287	ug/l 100
37) Ethyl Acetate	6.88	43	125385	43.904	ug/l 100
38) Carbon Tetrachloride	7.73	117	150334	47.915	ug/l 100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.05	83	137680	43.142	ug/l	100
40) Benzene	8.00	78	431606	46.776	ug/l	100
41) Methacrylonitrile	7.13	41	68924	50.064	ug/l	100
42) 1,2-Dichloroethane	8.08	62	145627	46.701	ug/l	100
43) Isopropyl Acetate	8.13	43	213768	46.222	ug/l	100
44) Trichloroethene	8.80	130	121479	44.807	ug/l	100
45) 1,2-Dichloropropane	9.08	63	119397	49.539	ug/l	100
46) Dibromomethane	9.17	93	77724	48.448	ug/l	100
47) Bromodichloromethane	9.37	83	157873	48.907	ug/l	100
48) Methyl methacrylate	9.16	41	104929	47.494	ug/l	100
49) 1,4-Dioxane	9.17	88	38317	919.628	ug/l	100
51) 4-Methyl-2-Pentanone	9.95	43	653487	235.620	ug/l	100
52) Toluene	10.12	92	276254	48.483	ug/l	100
53) t-1,3-Dichloropropene	10.35	75	169202	47.291	ug/l	100
54) cis-1,3-Dichloropropene	9.81	75	188666	49.079	ug/l	100
55) 1,1,2-Trichloroethane	10.53	97	113906	48.287	ug/l	100
56) Ethyl methacrylate	10.40	69	156020	48.783	ug/l	100
57) 1,3-Dichloropropane	10.68	76	185800	48.073	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.66	63	438773	248.873	ug/l	100
59) 2-Hexanone	10.72	43	476699	239.033	ug/l	100
60) Dibromochloromethane	10.87	129	130237	49.894	ug/l	100
61) 1,2-Dibromoethane	10.97	107	115916	48.678	ug/l	100
64) Tetrachloroethene	10.60	164	127340	45.138	ug/l	100
65) Chlorobenzene	11.40	112	307728	48.688	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.48	131	117684	50.671	ug/l	100
67) Ethyl Benzene	11.48	91	517209	49.327	ug/l	100
68) m/p-Xylenes	11.59	106	410943	102.916	ug/l	100
69) o-Xylene	11.92	106	193923	51.268	ug/l	100
70) Styrene	11.94	104	333040	52.123	ug/l	100
71) Bromoform	12.10	173	89862	48.707	ug/l #	100
73) Isopropylbenzene	12.22	105	512483	50.214	ug/l	100
74) N-amyl acetate	12.04	43	184237	46.683	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.48	83	146388	48.762	ug/l	100
76) 1,2,3-Trichloropropane	12.53	75	145724m	46.638	ug/l	
77) Bromobenzene	12.50	156	132907	48.164	ug/l	100
78) n-propylbenzene	12.56	91	575987	49.728	ug/l	100
79) 2-Chlorotoluene	12.65	91	344340	48.028	ug/l	100
80) 1,3,5-Trimethylbenzene	12.70	105	435818	51.410	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.27	75	53351	47.228	ug/l	100
82) 4-Chlorotoluene	12.75	91	362306	48.169	ug/l	100
83) tert-Butylbenzene	12.97	119	357180	50.253	ug/l	100
84) 1,2,4-Trimethylbenzene	13.01	105	441066	51.343	ug/l	100
85) sec-Butylbenzene	13.14	105	461911	49.214	ug/l	100
86) p-Isopropyltoluene	13.26	119	431902	50.547	ug/l	100
87) 1,3-Dichlorobenzene	13.25	146	237566	48.441	ug/l	100
88) 1,4-Dichlorobenzene	13.33	146	239705	46.238	ug/l	100
89) n-Butylbenzene	13.59	91	350273	46.932	ug/l	100
90) Hexachloroethane	13.85	117	75550	50.614	ug/l	100
91) 1,2-Dichlorobenzene	13.63	146	233387	48.447	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.24	75	28744	43.486	ug/l	100

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QLast Update : Thu Dec 10 14:05:55 2020
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.88	180	121031	41.535	ug/l	100
94) Hexachlorobutadiene	14.98	225	63113	42.482	ug/l	100
95) Naphthalene	15.10	128	363831	41.846	ug/l	100
96) 1,2,3-Trichlorobenzene	15.28	180	116564	40.686	ug/l	100

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

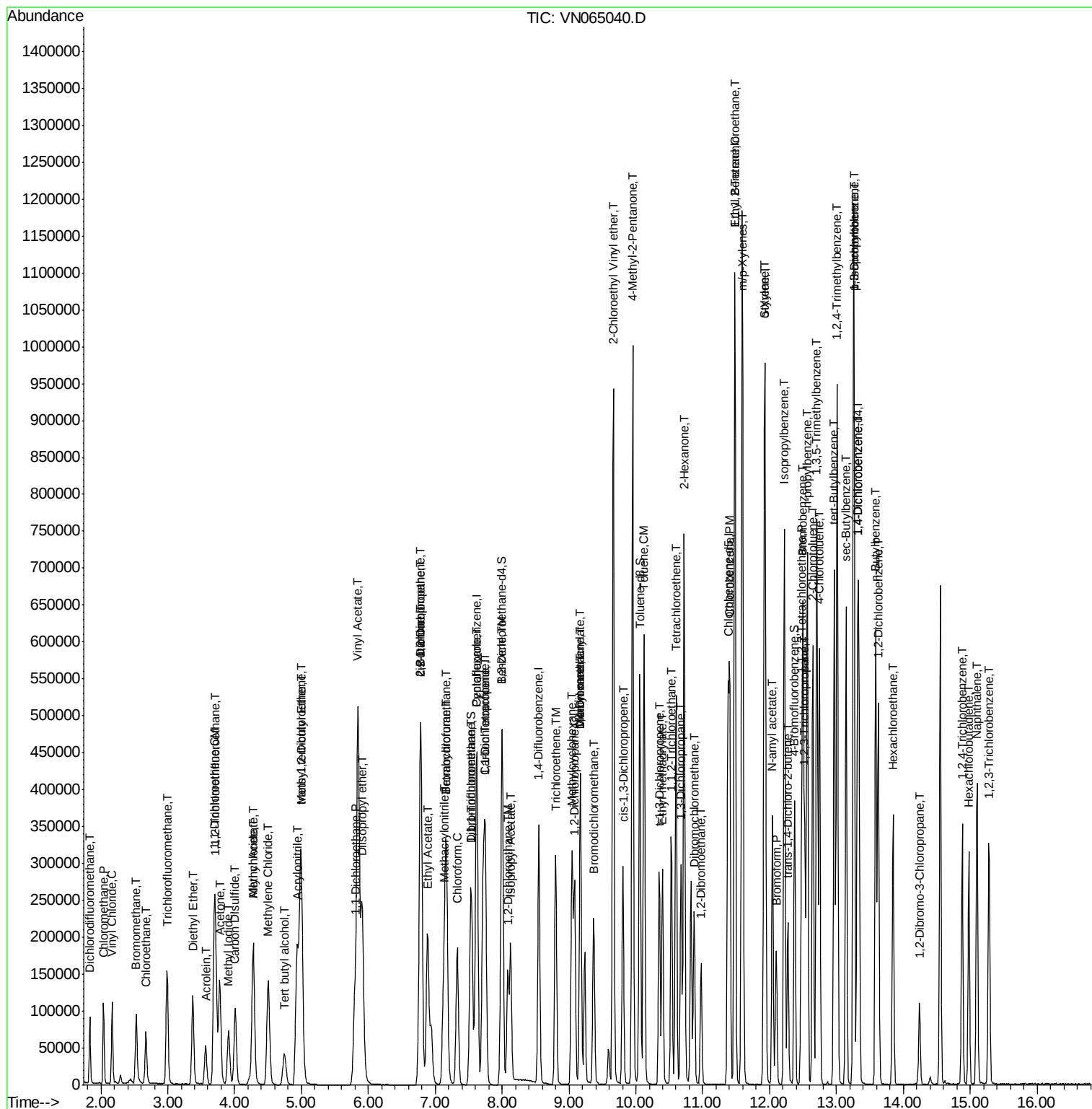
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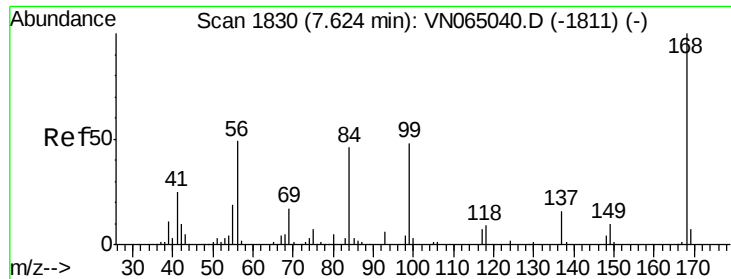
Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.62 min Scan# 1830

Delta R.T. 0.00 min

Lab File: VN065040.D

Acq: 10 Dec 2020 11:11

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tot Ion:168 Resp: 214075

Ion Ratio Lower Upper

168 100

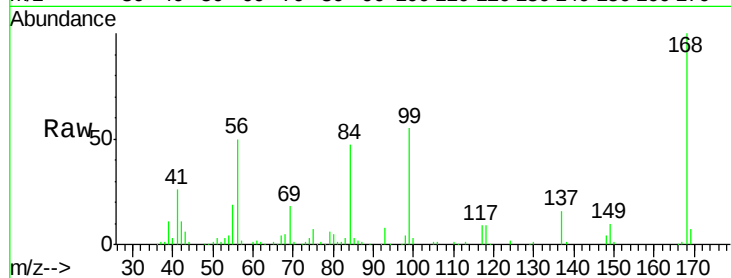
99 55.0 44.0 66.0

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.62

80000

60000

40000

20000

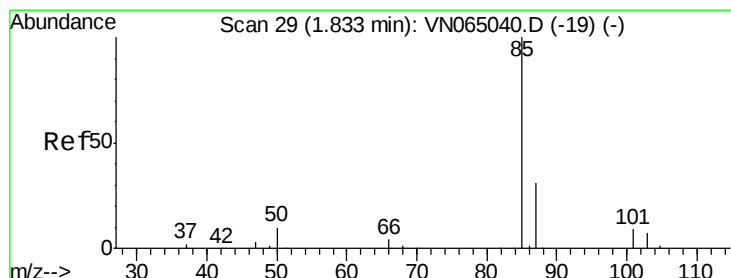
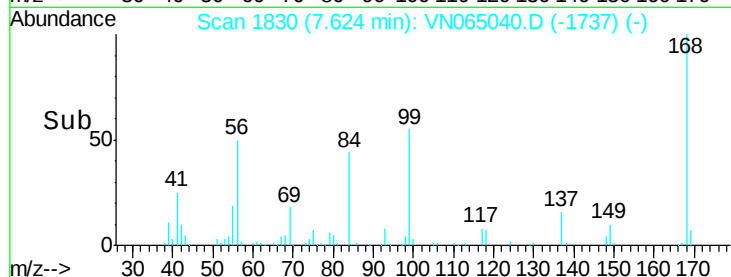
0

7.50

7.60

7.70

Time-->



#2

Dichlorodifluoromethane

Concen: 37.662 ug/l

RT: 1.83 min Scan# 29

Delta R.T. 0.00 min

Lab File: VN065040.D

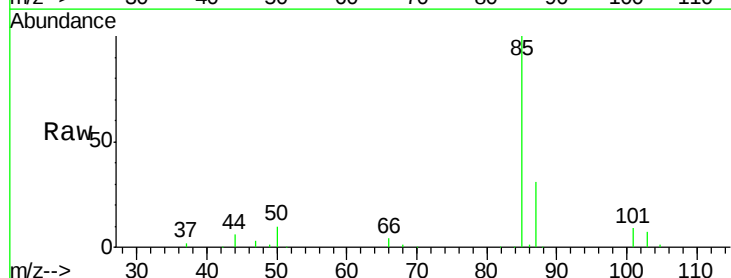
Acq: 10 Dec 2020 11:11

Tgt Ion: 85 Resp: 67396

Ion Ratio Lower Upper

85 100

87 31.5 15.8 47.3



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN

1.83

60000

50000

40000

30000

20000

10000

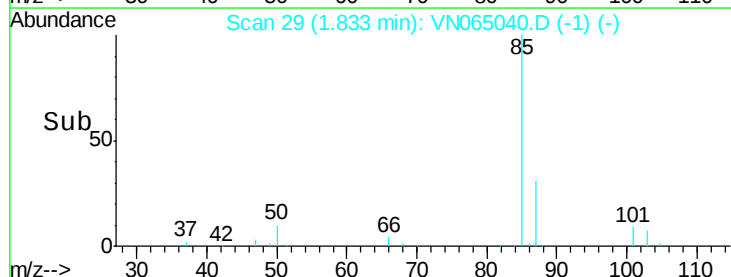
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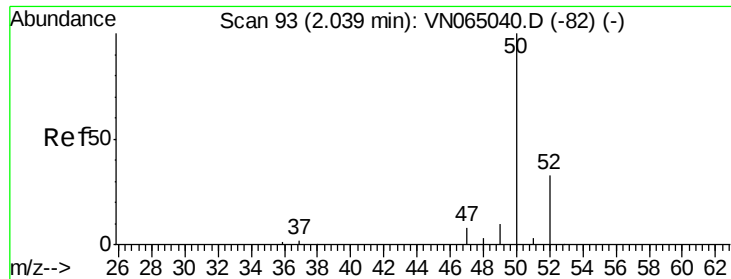
1.80

1.85

1.90

Time-->





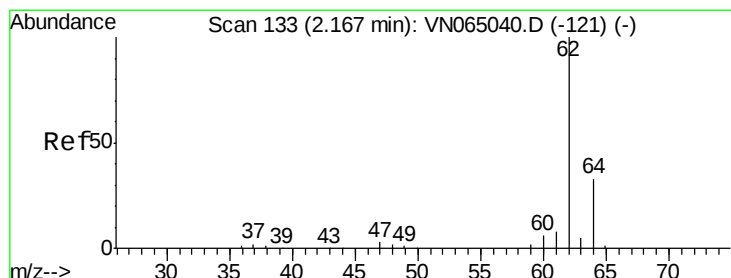
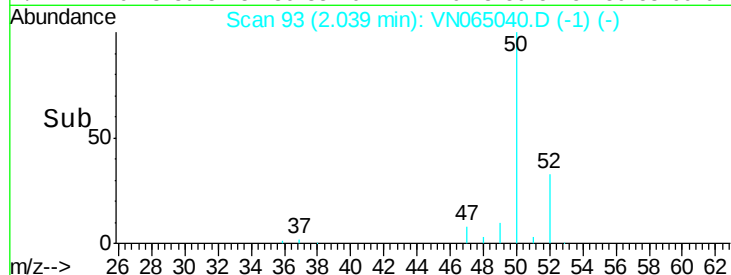
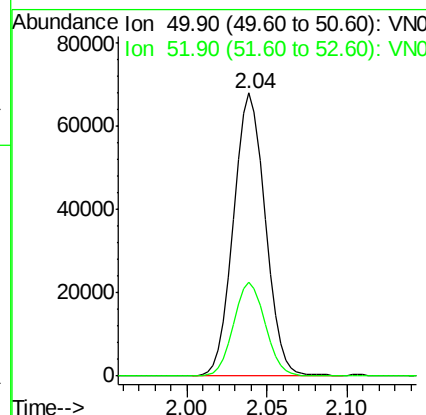
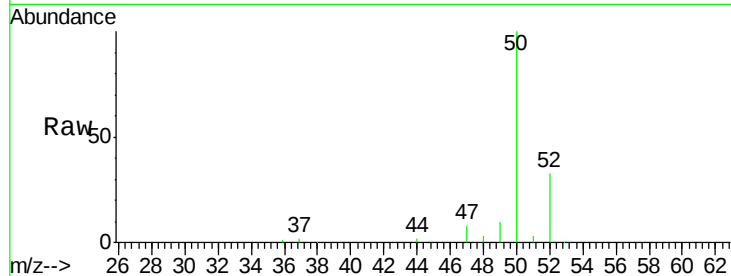
#3
Chloromethane
Concen: 39.365 ug/l
RT: 2.04 min Scan# 93
Delta R.T. 0.00 min
Lab File: VN065040.D
Acq: 10 Dec 2020 11:11

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion: 50 Resp: 92158
Ion Ratio Lower Upper
50 100
52 33.1 26.5 39.7

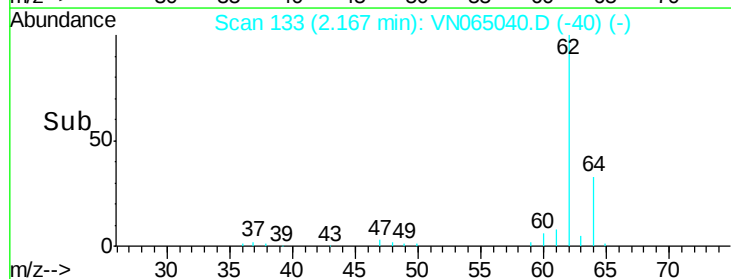
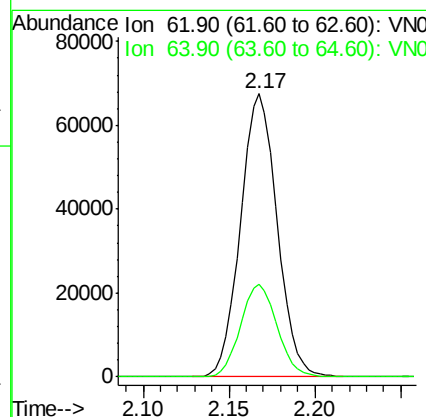
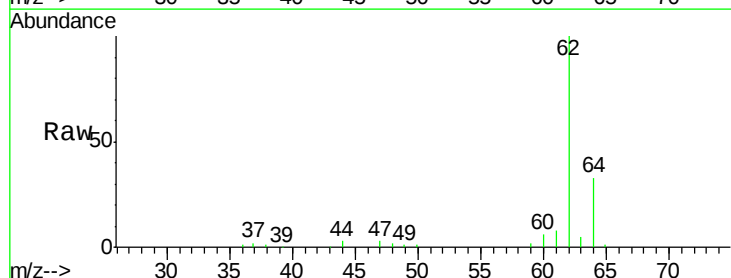
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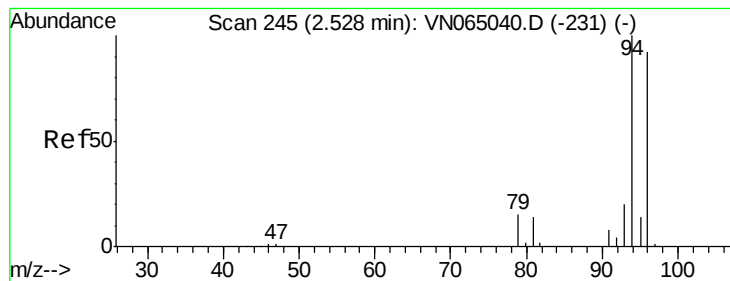
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12/11/2020 12:32:20 PM



#4
Vinyl Chloride
Concen: 40.681 ug/l
RT: 2.17 min Scan# 133
Delta R.T. 0.00 min
Lab File: VN065040.D
Acq: 10 Dec 2020 11:11

Tgt Ion: 62 Resp: 99834
Ion Ratio Lower Upper
62 100
64 32.6 26.1 39.1





#5

Bromomethane

Concen: 42.327 ug/l

RT: 2.53 min Scan# 245

Delta R.T. 0.00 min

Lab File: VN065040.D

Acq: 10 Dec 2020 11:11

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tot Ion: 94 Resp: 68172

Ion Ratio Lower Upper

94 100

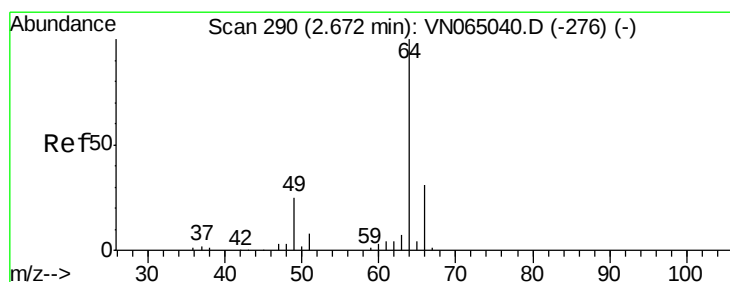
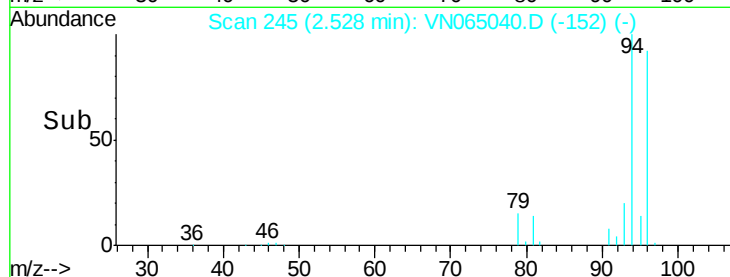
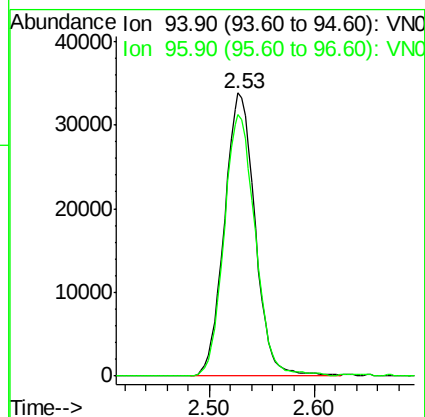
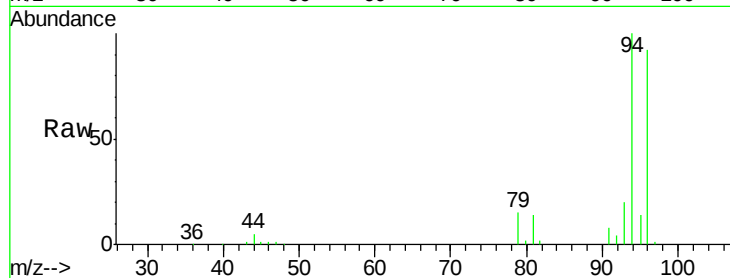
96 92.3 73.8 110.8

Manual Integrations

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#6

Chloroethane

Concen: 44.748 ug/l

RT: 2.67 min Scan# 290

Delta R.T. 0.00 min

Lab File: VN065040.D

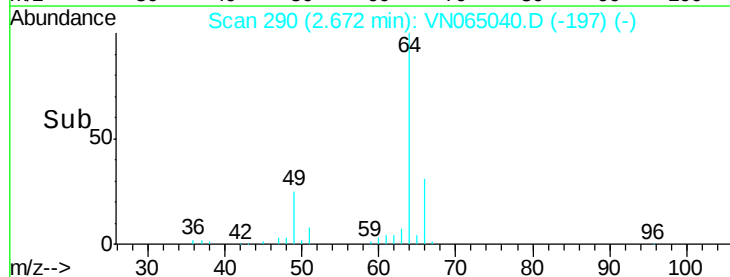
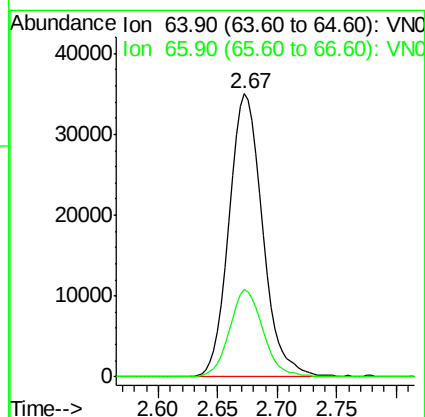
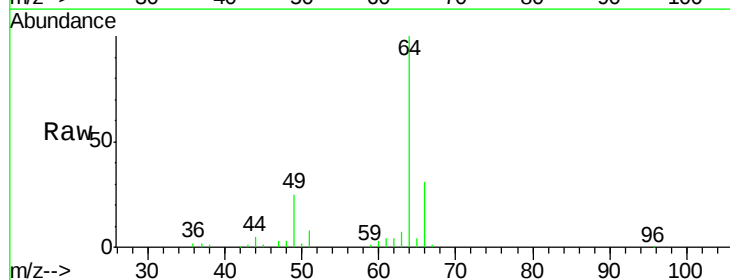
Acq: 10 Dec 2020 11:11

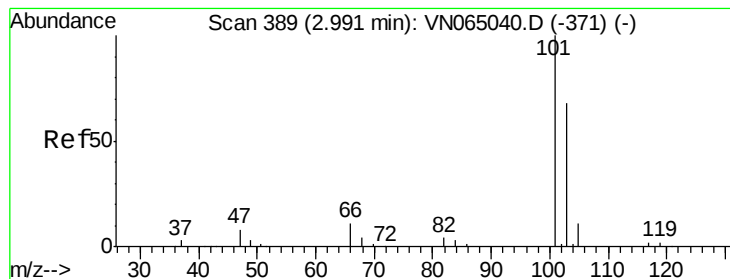
Tgt Ion: 64 Resp: 68715

Ion Ratio Lower Upper

64 100

66 30.8 24.6 37.0





#7

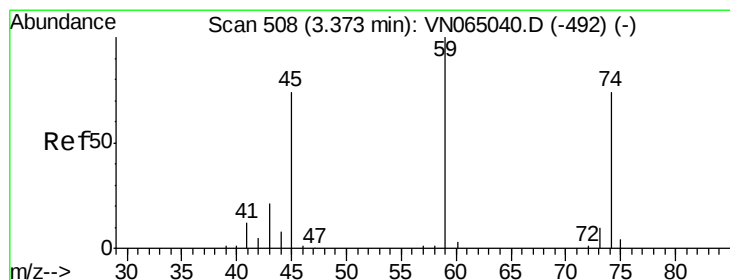
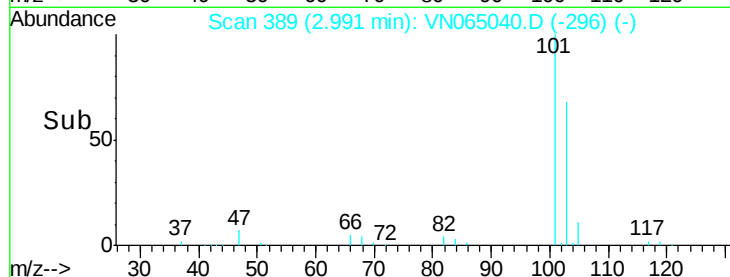
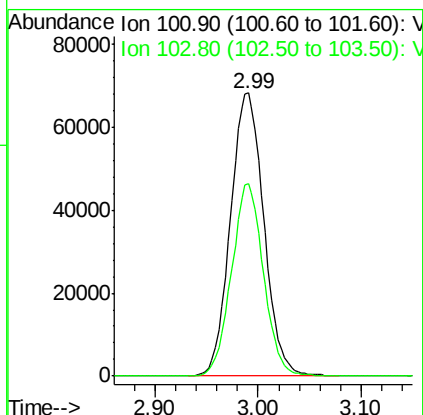
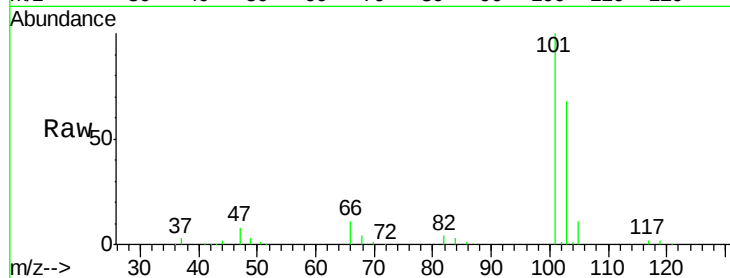
Trichlorofluoromethane
Concen: 44.790 ug/l
RT: 2.99 min Scan# 389
Delta R.T. 0.00 min
Lab File: VN065040.D
Acq: 10 Dec 2020 11:11

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
101	100		
103	68.1	54.5	81.7

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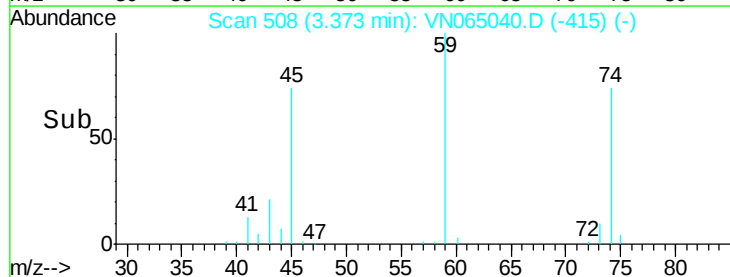
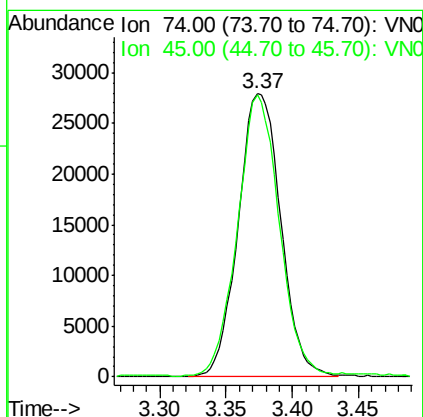
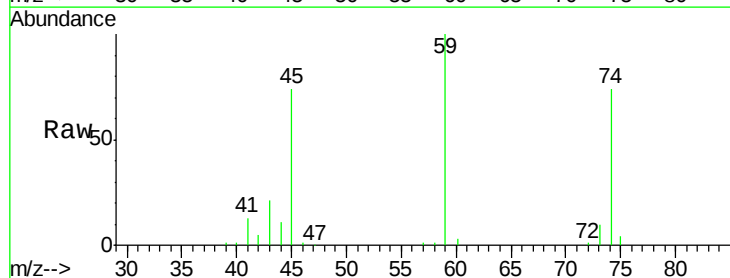
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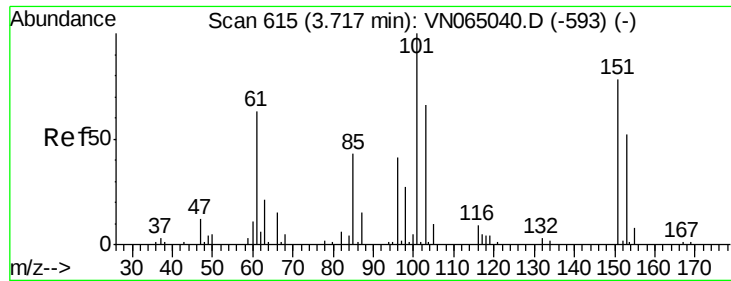


#8

Diethyl Ether
Concen: 45.947 ug/l
RT: 3.37 min Scan# 508
Delta R.T. 0.00 min
Lab File: VN065040.D
Acq: 10 Dec 2020 11:11

Tgt Ion	Ratio	Lower	Upper
74	100		
45	98.2	49.1	147.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 46.081 ug/l

RT: 3.72 min Scan# 615

Delta R.T. 0.00 min

Lab File: VN065040.D

Acq: 10 Dec 2020 11:11

Instrument :

MSVOA_N

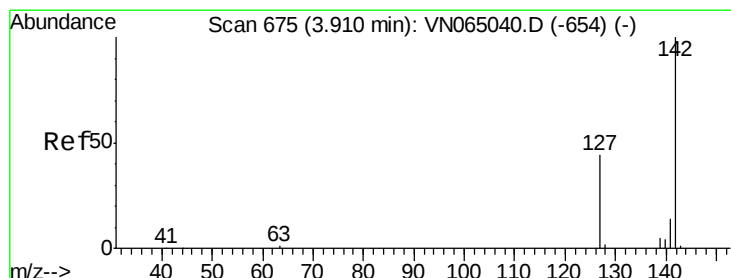
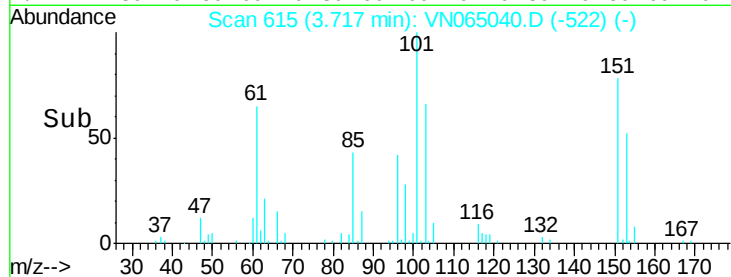
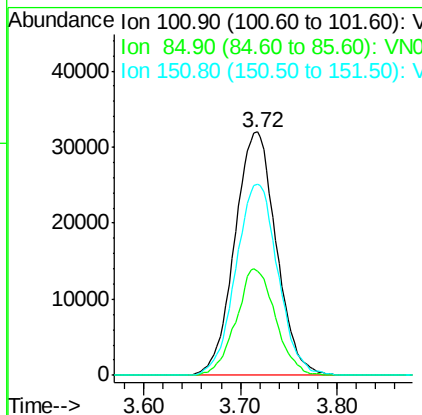
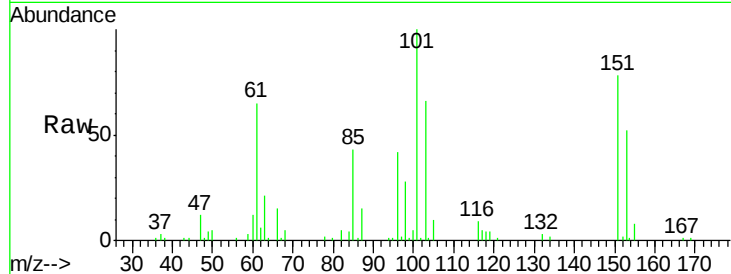
ClientSampleId :

VSTDICCC050

Tot Ion:	101	Resp:	95268
Ion Ratio	Lower	Upper	
101	100		
85	41.5	33.2	49.8
151	79.6	63.7	95.5

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#10

Methyl Iodide

Concen: 44.630 ug/l

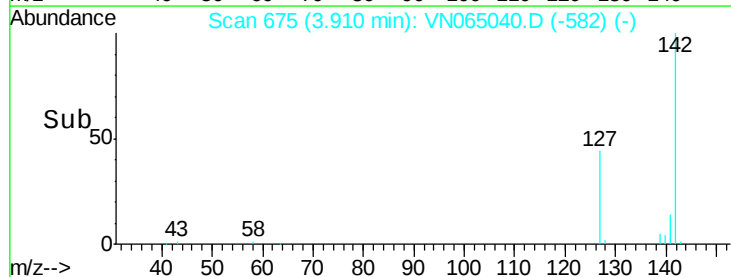
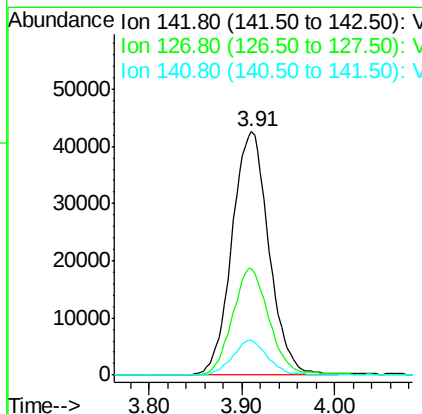
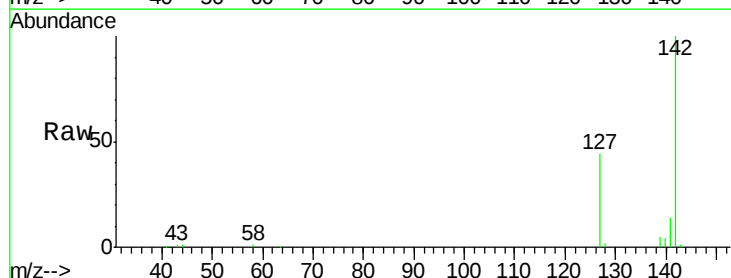
RT: 3.91 min Scan# 675

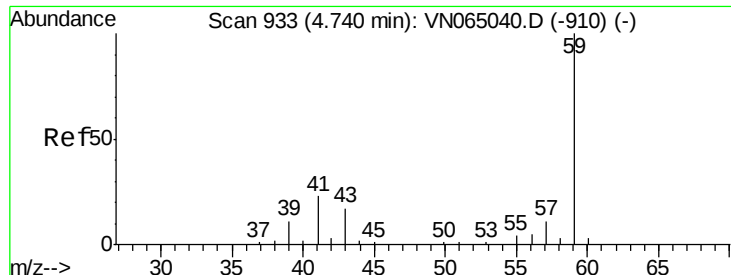
Delta R.T. 0.00 min

Lab File: VN065040.D

Acq: 10 Dec 2020 11:11

Tgt Ion:	142	Resp:	117559
Ion Ratio	Lower	Upper	
142	100		
127	43.3	34.6	52.0
141	13.6	10.9	16.3





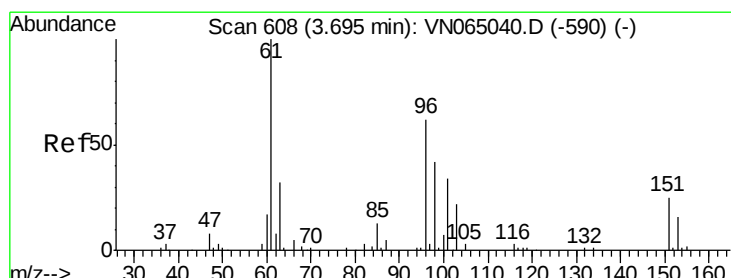
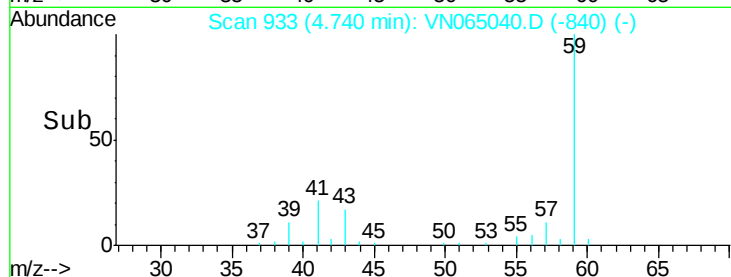
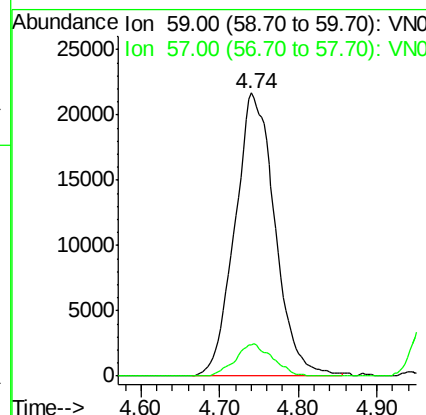
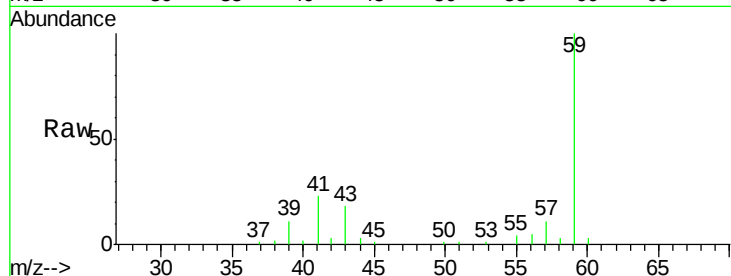
#11
Tert butyl alcohol
Concen: 207.156 ug/l
RT: 4.74 min Scan# 933
Delta R.T. 0.00 min
Lab File: VN065040.D
Acq: 10 Dec 2020 11:11

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.7	8.6	12.8

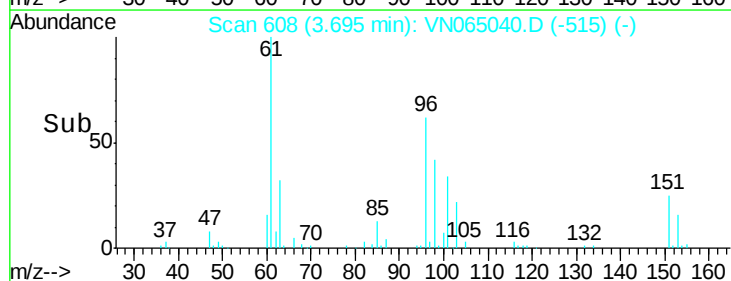
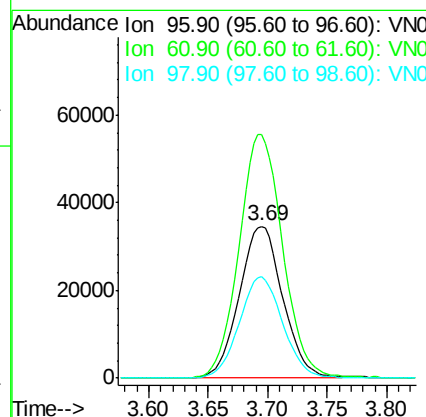
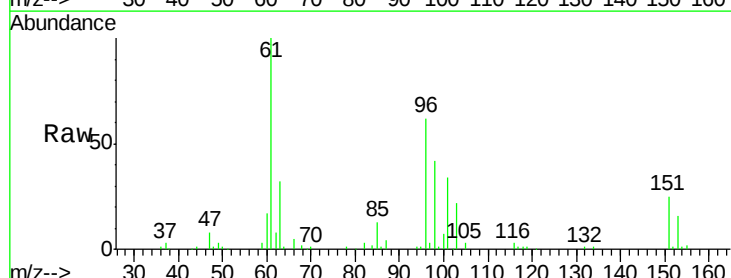
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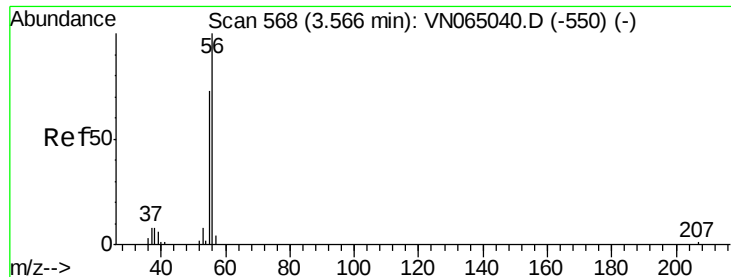
MMDadoda
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#12
1,1-Dichloroethene
Concen: 42.998 ug/l
RT: 3.69 min Scan# 608
Delta R.T. 0.00 min
Lab File: VN065040.D
Acq: 10 Dec 2020 11:11

Tgt Ion	Ratio	Lower	Upper
96	100		
61	160.5	128.4	192.6
98	67.0	53.6	80.4





#13

Acrolein

Concen: 249.256 ug/l

RT: 3.57 min Scan# 568

Delta R.T. 0.00 min

Lab File: VN065040.D

Acq: 10 Dec 2020 11:11

Instrument :

MSVOA_N

ClientSampled :

VSTDICCC050

Tot Ion: 56 Resp: 59440

Ion Ratio Lower Upper

56 100

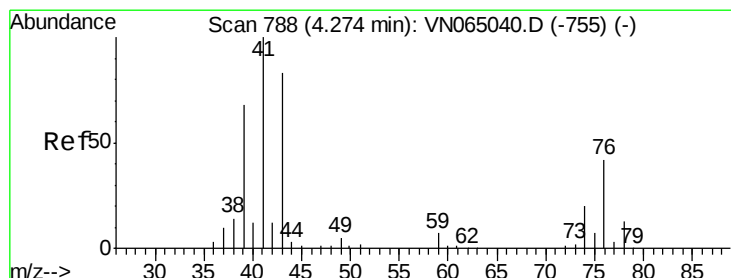
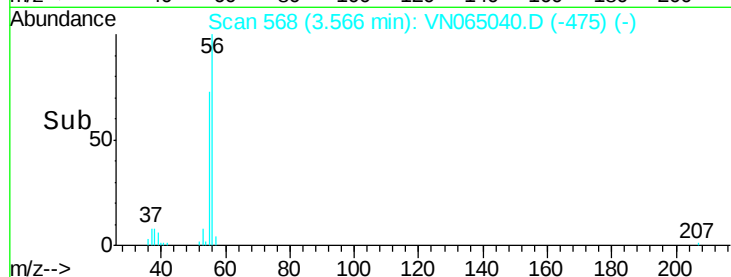
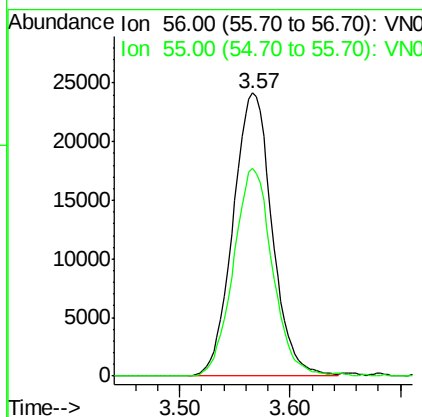
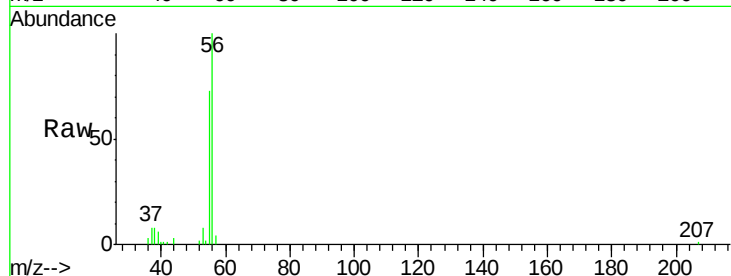
55 73.0 58.4 87.6

Manual Integrations

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#14

Allyl chloride

Concen: 43.969 ug/l

RT: 4.27 min Scan# 788

Delta R.T. 0.00 min

Lab File: VN065040.D

Acq: 10 Dec 2020 11:11

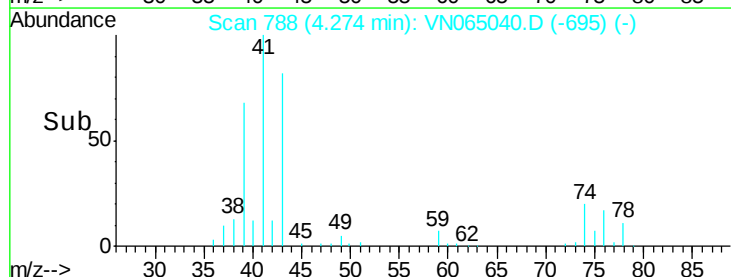
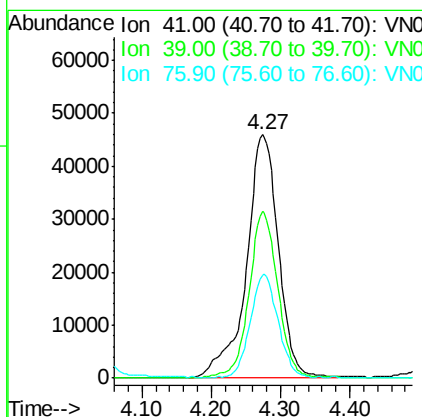
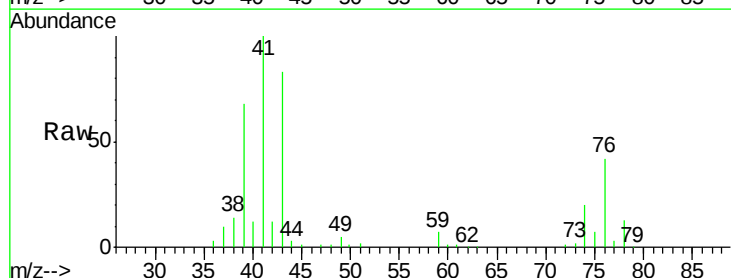
Tgt Ion: 41 Resp: 147969

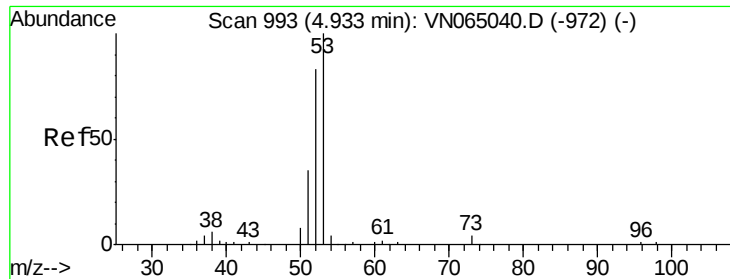
Ion Ratio Lower Upper

41 100

39 61.3 49.0 73.6

76 37.0 29.6 44.4





#15

Acrylonitrile

Concen: 231.904 ug/l

RT: 4.93 min Scan# 993

Delta R.T. 0.00 min

Lab File: VN065040.D

Acq: 10 Dec 2020 11:11

Instrument :

MSVOA_N

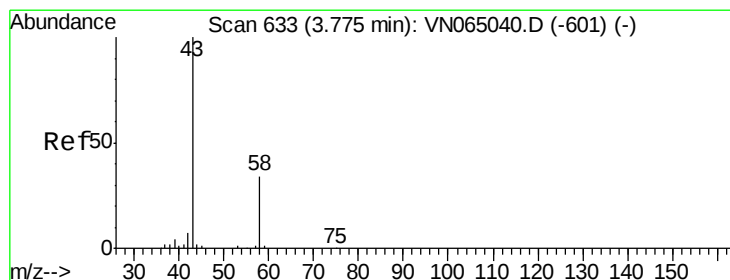
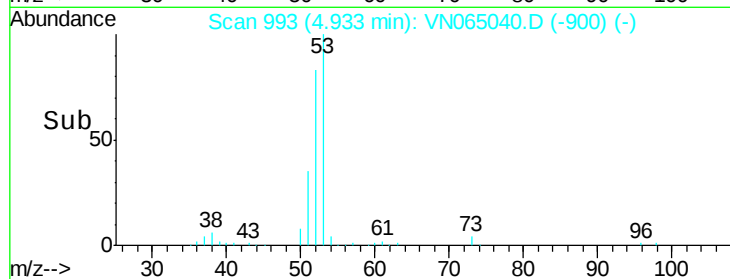
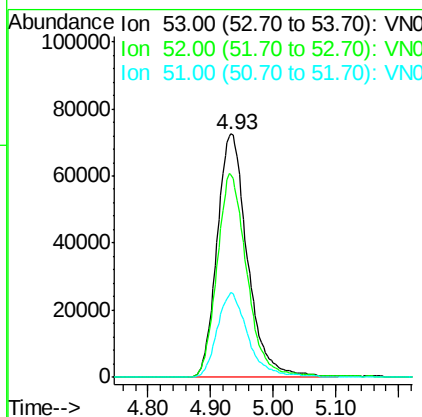
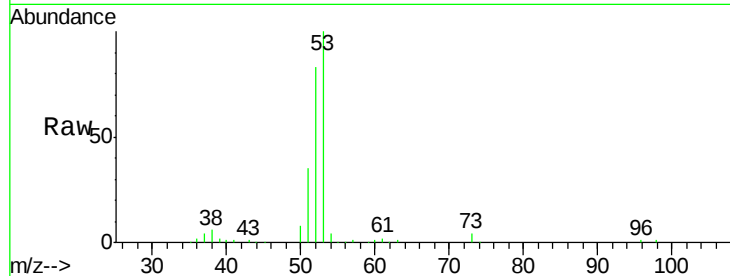
ClientSampleId :

VSTDICCC050

Tot Ion:	53	Resp:	244553
Ion	Ratio	Lower	Upper
53	100		
52	81.7	65.4	98.0
51	34.7	27.8	41.6

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#16

Acetone

Concen: 273.021 ug/l

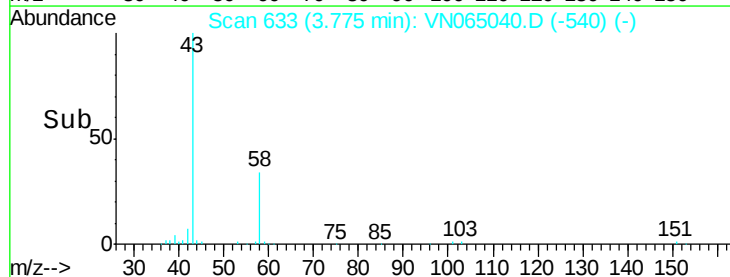
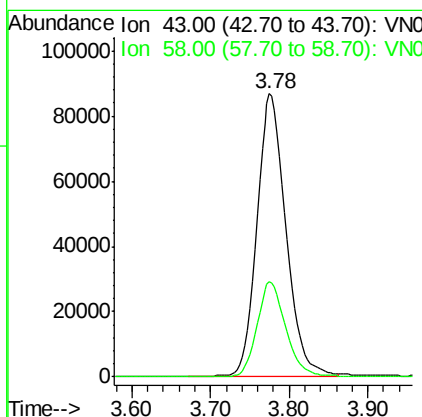
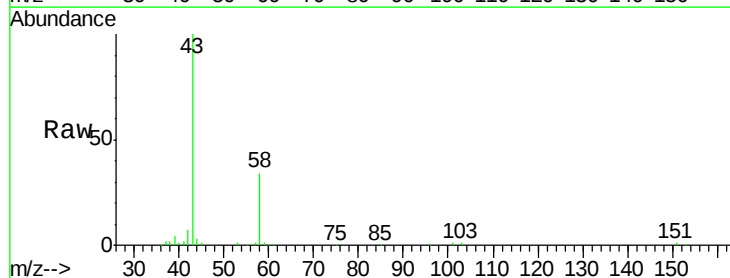
RT: 3.78 min Scan# 633

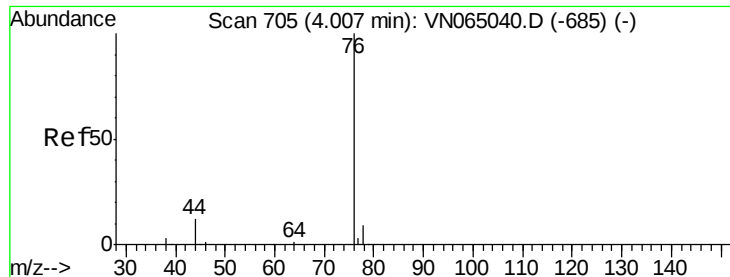
Delta R.T. 0.00 min

Lab File: VN065040.D

Acq: 10 Dec 2020 11:11

Tgt Ion:	43	Resp:	228193
Ion	Ratio	Lower	Upper
43	100		
58	33.5	26.8	40.2





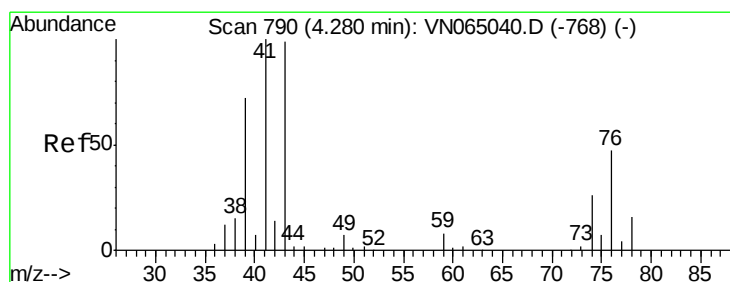
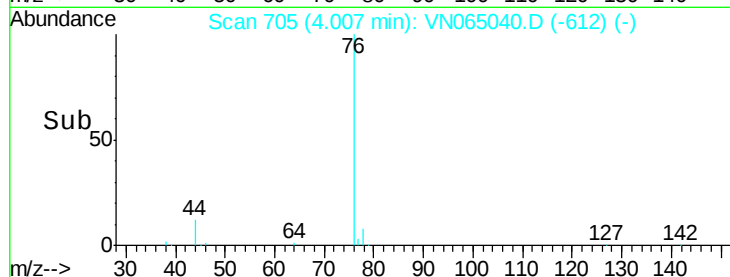
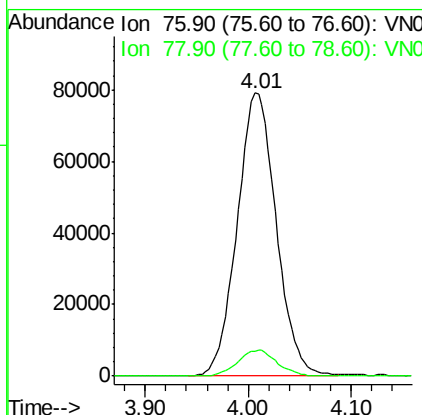
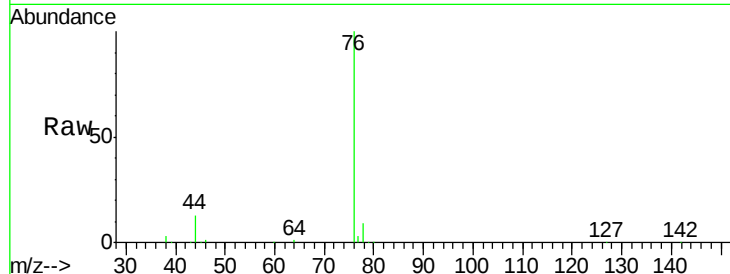
#17
Carbon Disulfide
Concen: 35.837 ug/l
RT: 4.01 min Scan# 705
Delta R.T. 0.00 min
Lab File: VN065040.D
Acq: 10 Dec 2020 11:11

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.9	7.1	10.7

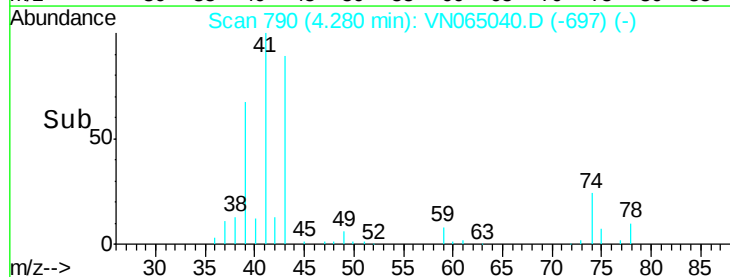
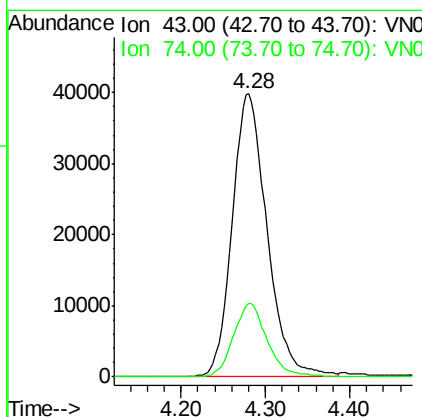
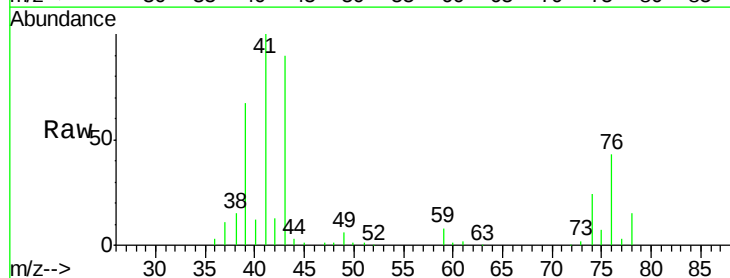
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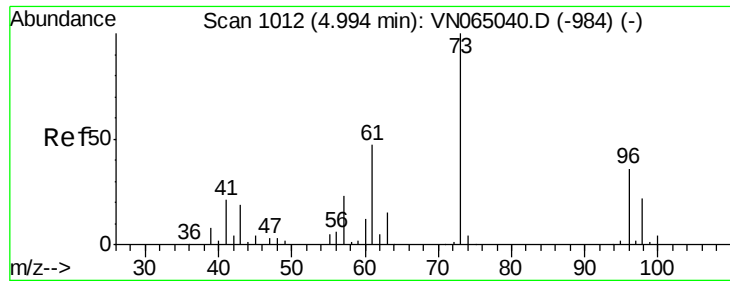
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#18
Methyl Acetate
Concen: 46.800 ug/l
RT: 4.28 min Scan# 790
Delta R.T. 0.00 min
Lab File: VN065040.D
Acq: 10 Dec 2020 11:11

Tgt Ion	Ratio	Lower	Upper
43	100		
74	25.1	20.1	30.1





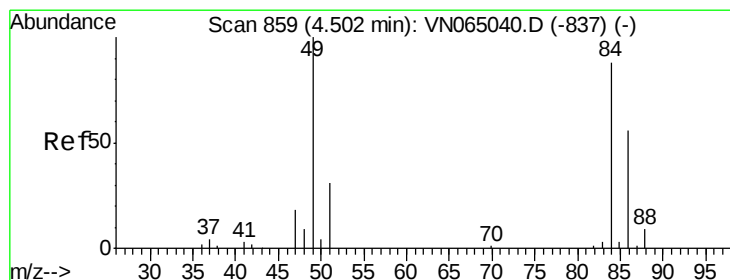
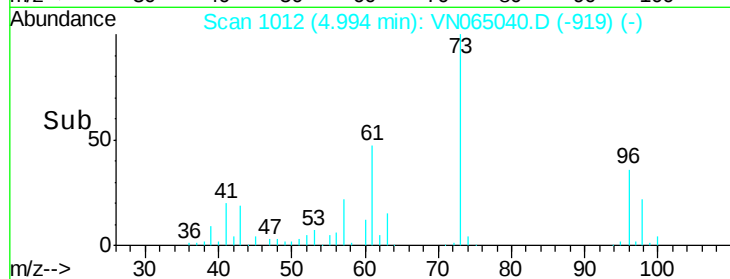
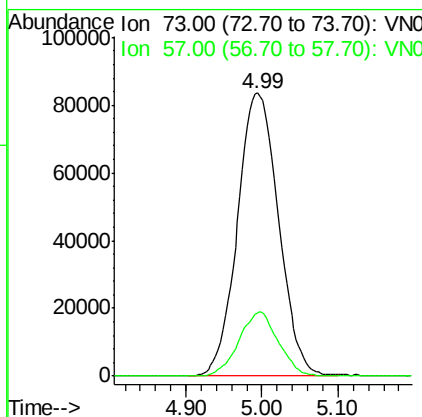
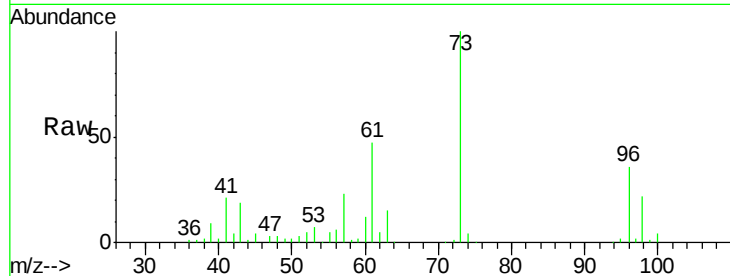
#19
Methvl tert-butvl Ether
Concen: 47.658 ug/l
RT: 4.99 min Scan# 1012
Delta R.T. 0.00 min
Lab File: VN065040.D
Acq: 10 Dec 2020 11:11

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion: 73 Resp: 313592
Ion Ratio Lower Upper
73 100
57 22.5 18.0 27.0

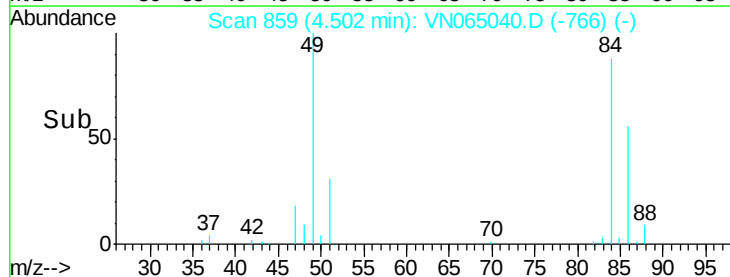
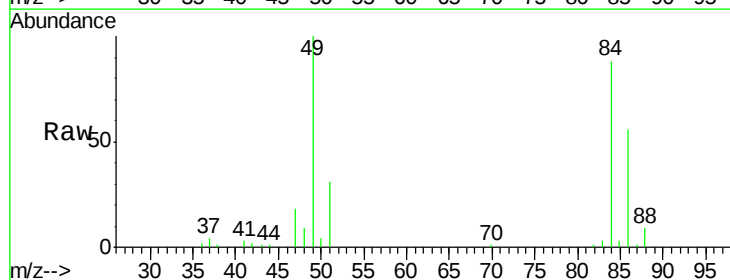
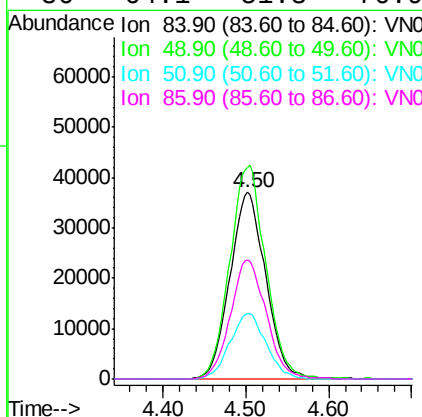
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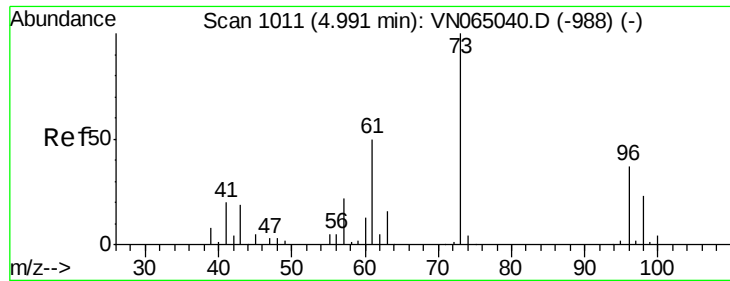
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#20
Methylene Chloride
Concen: 43.644 ug/l
RT: 4.50 min Scan# 859
Delta R.T. 0.00 min
Lab File: VN065040.D
Acq: 10 Dec 2020 11:11

Tgt Ion: 84 Resp: 111198
Ion Ratio Lower Upper
84 100
49 113.5 90.8 136.2
51 35.1 28.1 42.1
86 64.1 51.3 76.9





#21

trans-1,2-Dichloroethene

Concen: 43.120 ug/l

RT: 4.99 min Scan# 1011

Delta R.T. 0.00 min

Lab File: VN065040.D

Acq: 10 Dec 2020 11:11

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tot Ion: 96 Resp: 97732

Ion Ratio Lower Upper

96 100

61 133.9 107.1 160.7

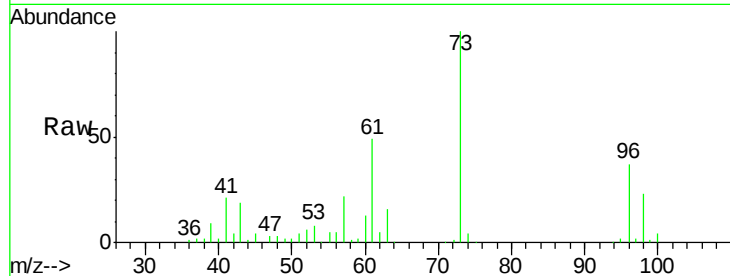
98 62.3 49.8 74.8

Manual Integrations

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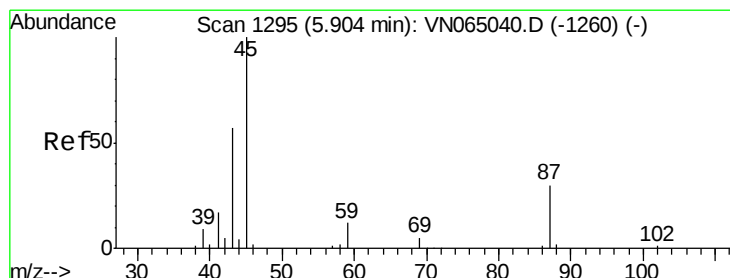
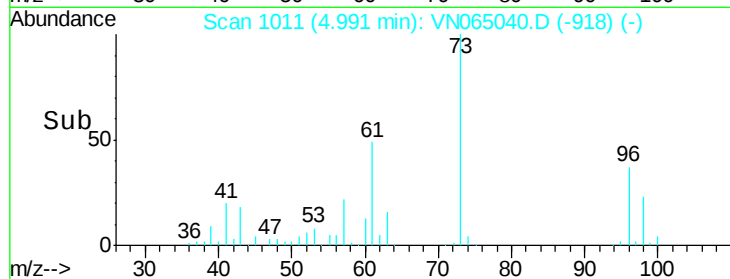
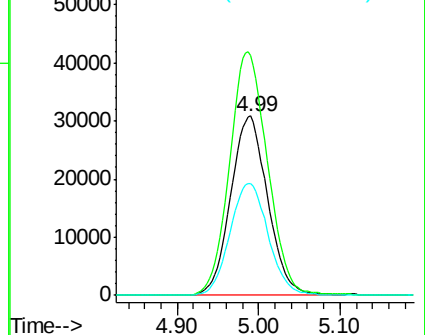
12/11/2020 12:32:20 PM



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) (-)



#22

Diisopropyl ether

Concen: 48.548 ug/l

RT: 5.90 min Scan# 1295

Delta R.T. 0.00 min

Lab File: VN065040.D

Acq: 10 Dec 2020 11:11

Tgt Ion: 45 Resp: 329971

Ion Ratio Lower Upper

45 100

43 59.9 47.9 71.9

87 30.4 24.3 36.5

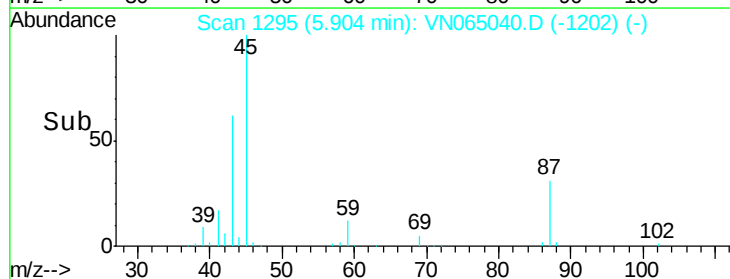
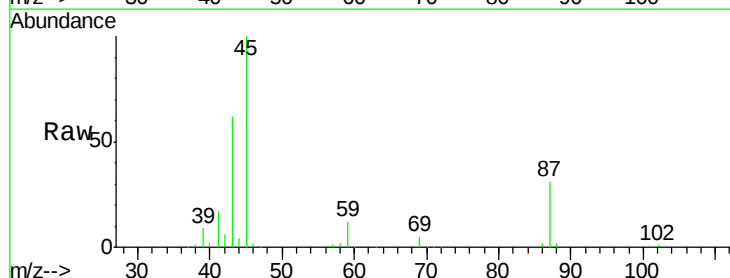
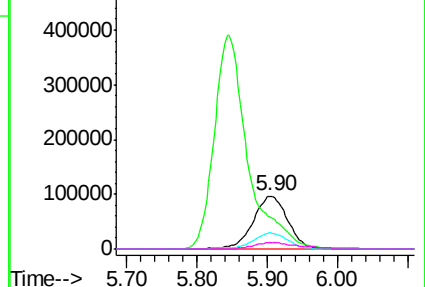
59 11.9 9.5 14.3

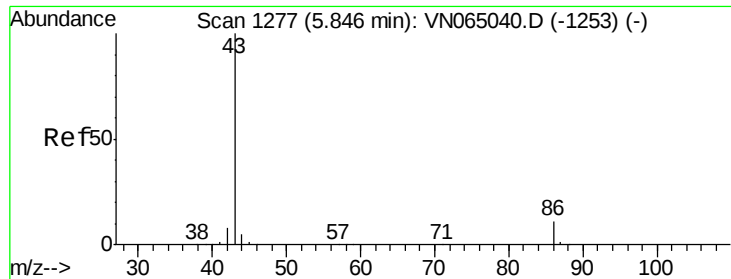
Abundance Ion 45.00 (44.70 to 45.70): VN065040.D (-1260) (-)

Ion 43.00 (42.70 to 43.70): VN065040.D (-1260) (-)

Ion 87.00 (86.70 to 87.70): VN065040.D (-1260) (-)

Ion 59.00 (58.70 to 59.70): VN065040.D (-1260) (-)





#23

Vinyl Acetate

Concen: 239.315 ug/l

RT: 5.85 min Scan# 1277

Delta R.T. 0.00 min

Lab File: VN065040.D

Acq: 10 Dec 2020 11:11

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tot Ion: 43 Resp: 1291951

Ion Ratio Lower Upper

43 100

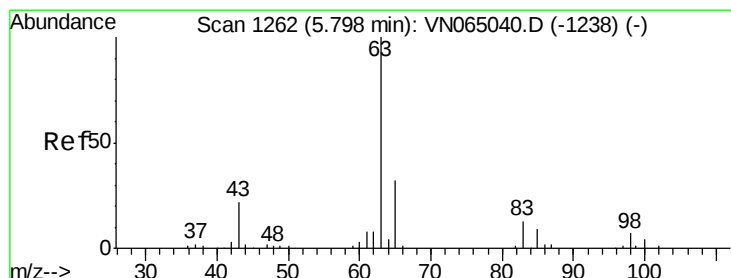
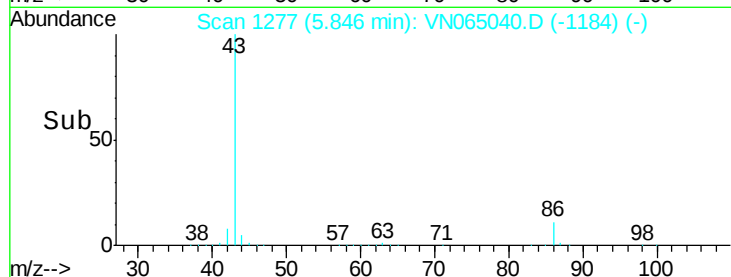
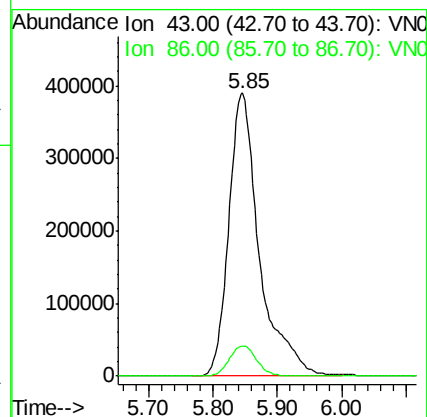
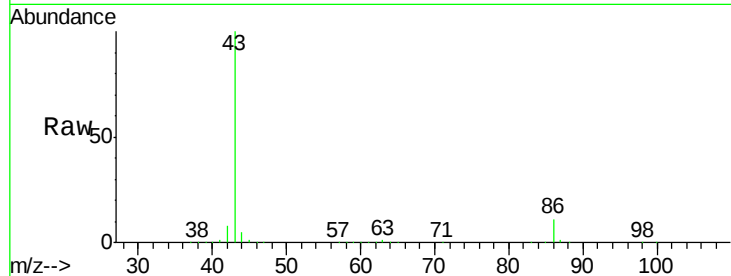
86 10.7 8.6 12.8

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#24

1,1-Dichloroethane

Concen: 47.187 ug/l

RT: 5.80 min Scan# 1262

Delta R.T. 0.00 min

Lab File: VN065040.D

Acq: 10 Dec 2020 11:11

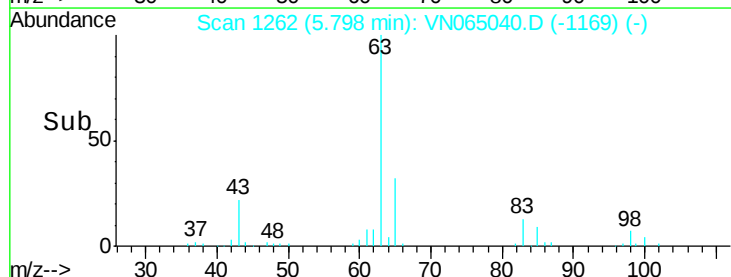
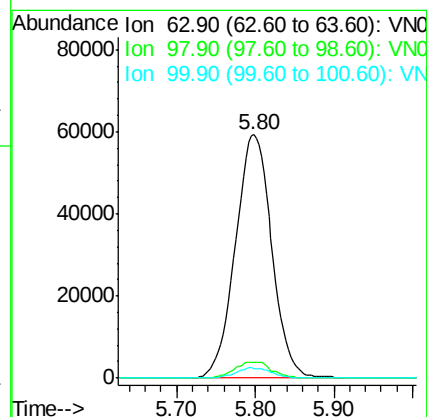
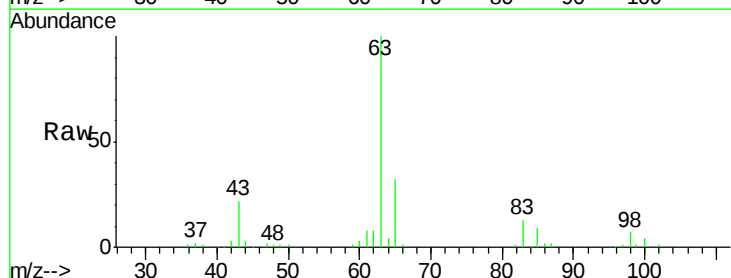
Tgt Ion: 63 Resp: 191625

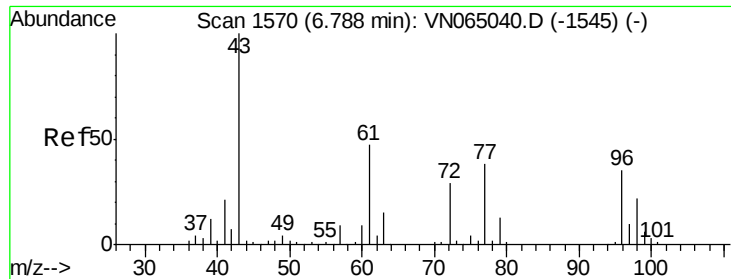
Ion Ratio Lower Upper

63 100

98 6.6 3.3 9.9

100 4.1 2.1 6.2





#25

2-Butanone

Concen: 242.481 ug/l

RT: 6.79 min Scan# 1570

Delta R.T. 0.00 min

Lab File: VN065040.D

Acq: 10 Dec 2020 11:11

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tot Ion: 43 Resp: 316697

Ion Ratio Lower Upper

43 100

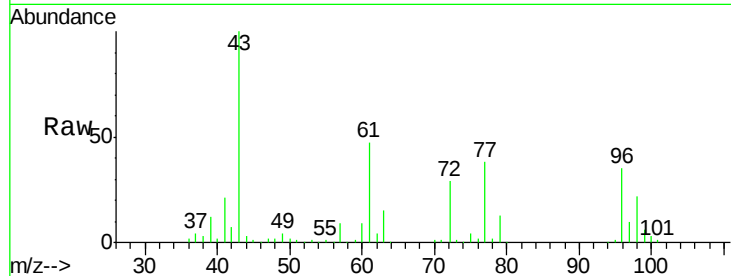
72 28.6 22.9 34.3

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VN065040.D (-1545) (-)

Ion 72.00 (71.70 to 72.70): VN065040.D (-1545) (-)

6.79

120000

100000

80000

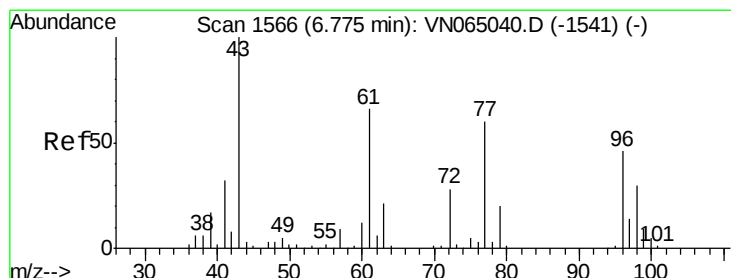
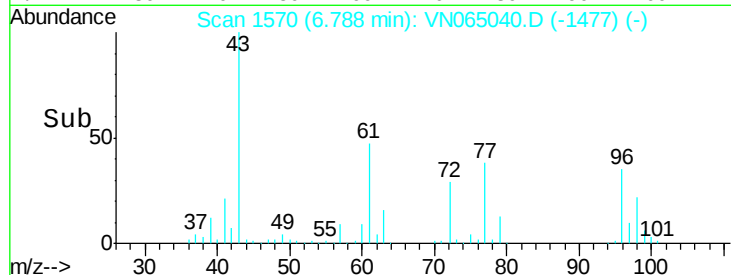
60000

40000

20000

0

Time-->



#26

2,2-Dichloropropane

Concen: 46.252 ug/l

RT: 6.78 min Scan# 1566

Delta R.T. 0.00 min

Lab File: VN065040.D

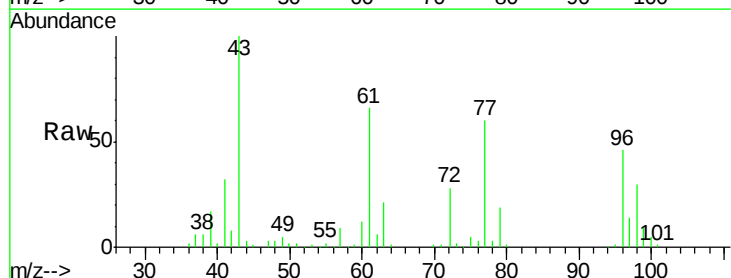
Acq: 10 Dec 2020 11:11

Tgt Ion: 77 Resp: 162833

Ion Ratio Lower Upper

77 100

97 23.4 11.7 35.1



Abundance Ion 76.90 (76.60 to 77.60): VN065040.D (-1541) (-)

Ion 96.90 (96.60 to 97.60): VN065040.D (-1541) (-)

6.78

60000

50000

40000

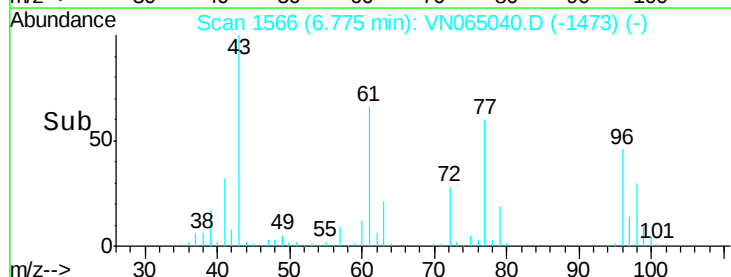
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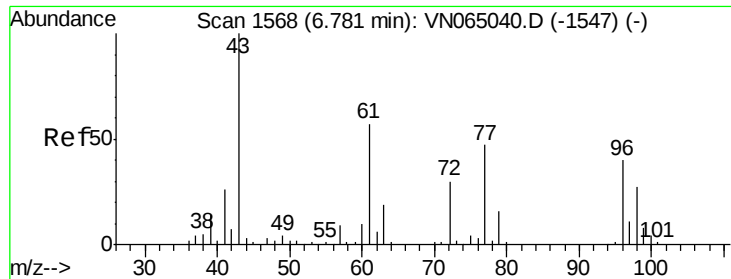
20000

10000

0

Time-->





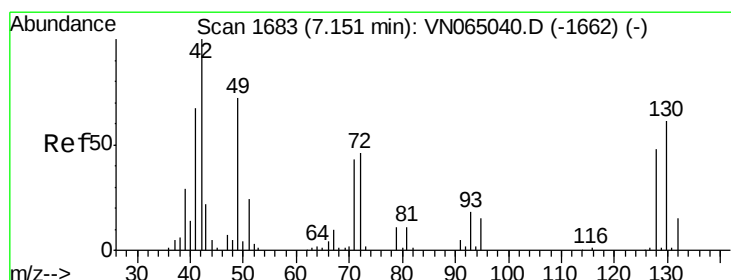
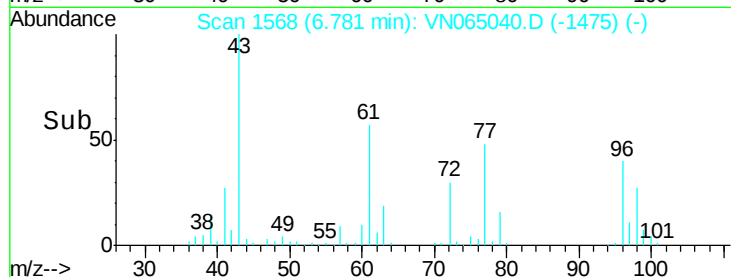
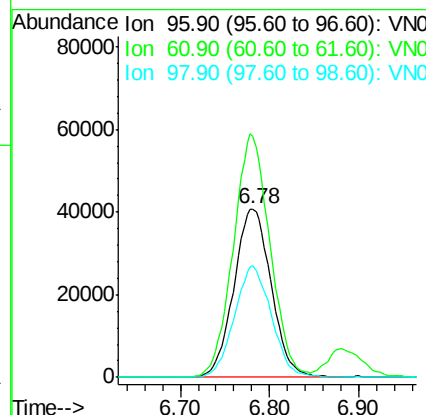
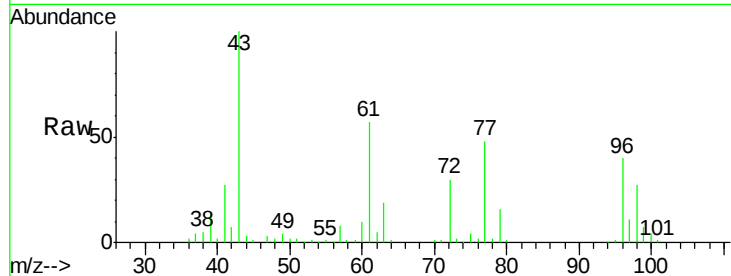
#27
 cis-1,2-Dichloroethene
 Concen: 46.075 ug/l
 RT: 6.78 min Scan# 1568
 Delta R.T. 0.00 min
 Lab File: VN065040.D
 Acq: 10 Dec 2020 11:11

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
96	100	118336		
61	141.8	0.0	283.6	
98	65.4	0.0	130.8	

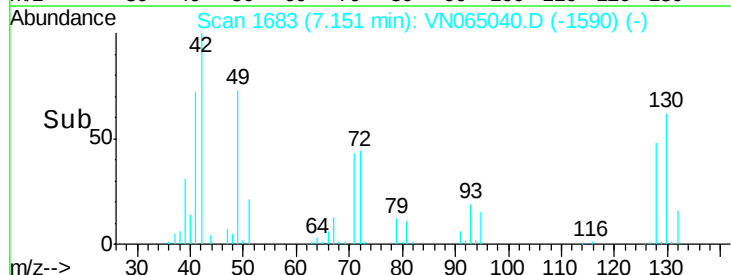
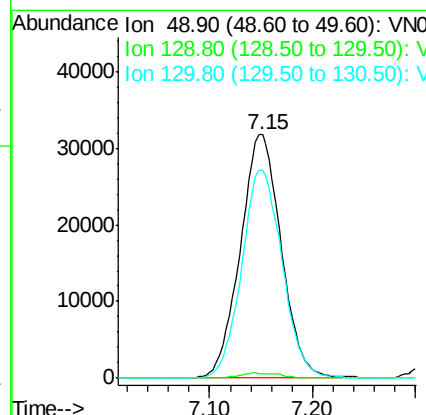
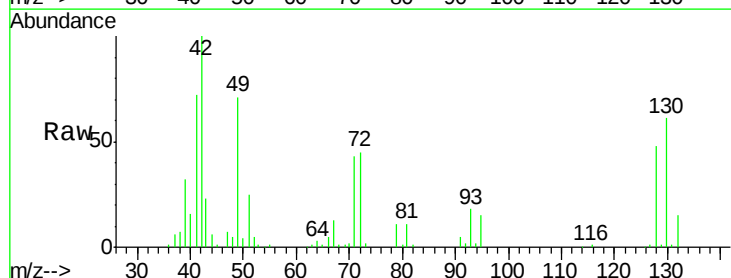
Manual Integrations
 APPROVED

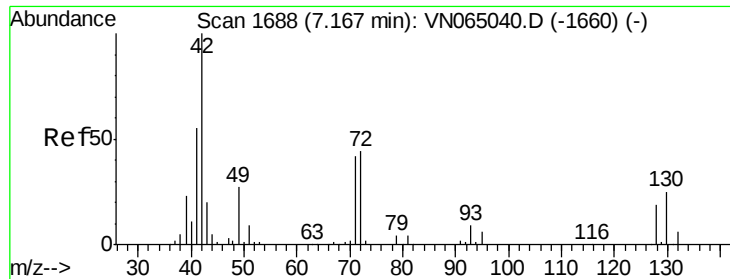
MMDadoda
 12/11/2020 12:32:20 PM



#28
 Bromochloromethane
 Concen: 46.966 ug/l
 RT: 7.15 min Scan# 1683
 Delta R.T. 0.00 min
 Lab File: VN065040.D
 Acq: 10 Dec 2020 11:11

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	87349		
129	1.1	0.0	2.2	
130	84.9	67.9	101.9	





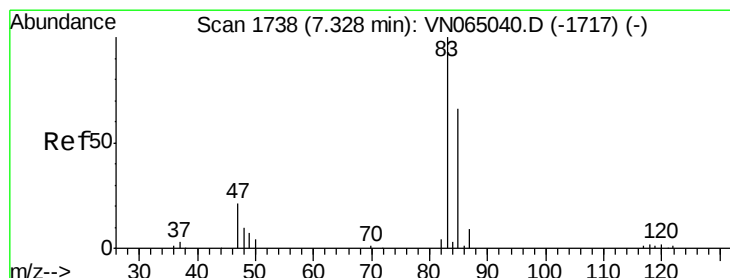
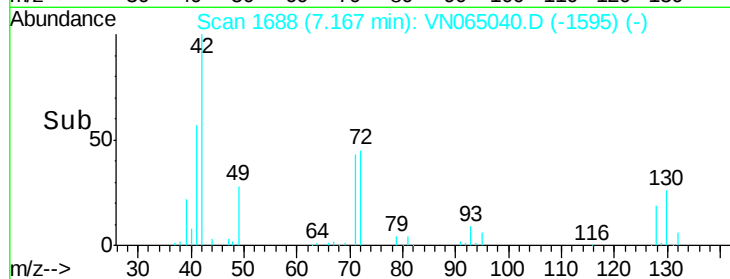
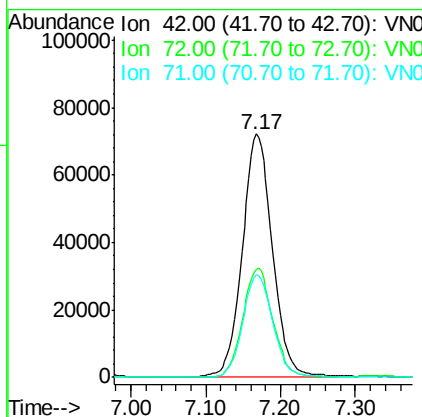
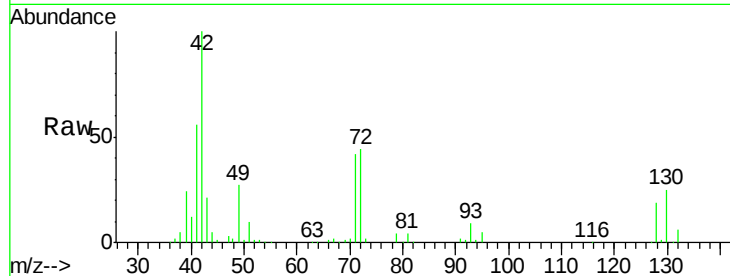
#29
Tetrahydrofuran
Concen: 226.751 ug/l
RT: 7.17 min Scan# 1688
Delta R.T. 0.00 min
Lab File: VN065040.D
Acq: 10 Dec 2020 11:11

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	44.7	35.8	53.6
71	41.9	33.5	50.3

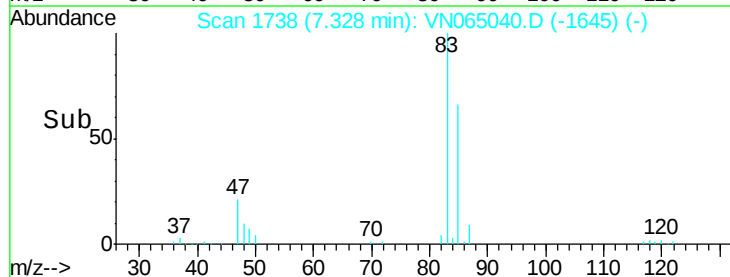
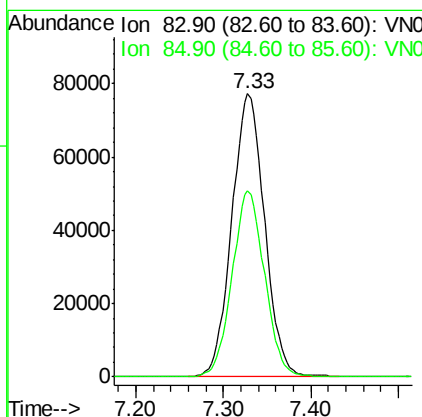
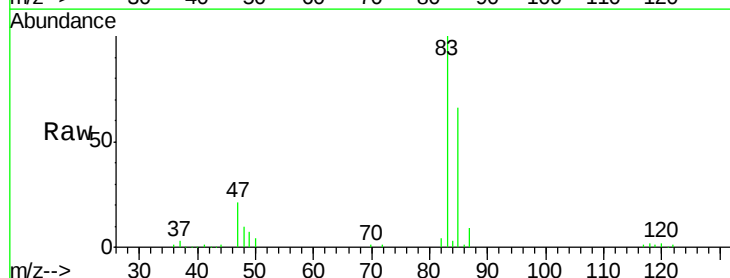
Manual Integrations
APPROVED

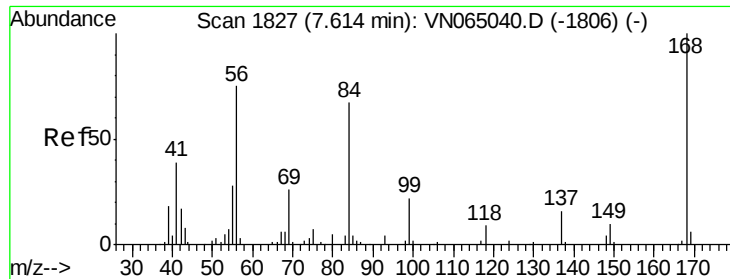
MMDadoda
12/11/2020 12:32:20 PM



#30
Chloroform
Concen: 47.739 ug/l
RT: 7.33 min Scan# 1738
Delta R.T. 0.00 min
Lab File: VN065040.D
Acq: 10 Dec 2020 11:11

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.7	52.6	78.8





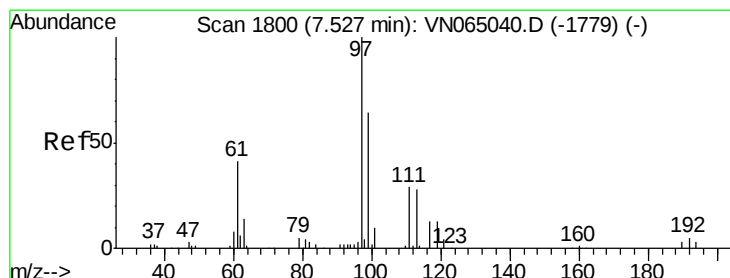
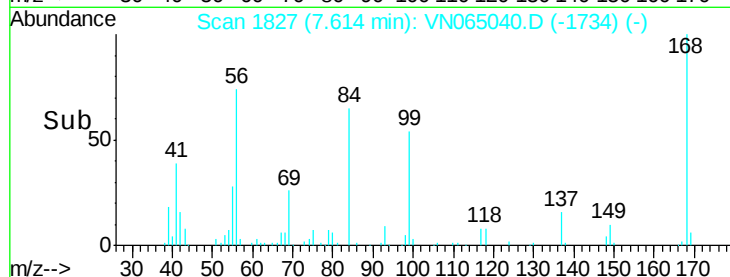
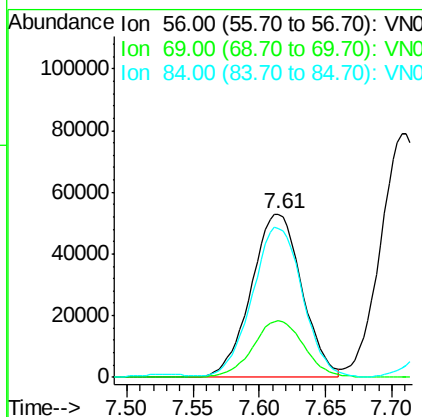
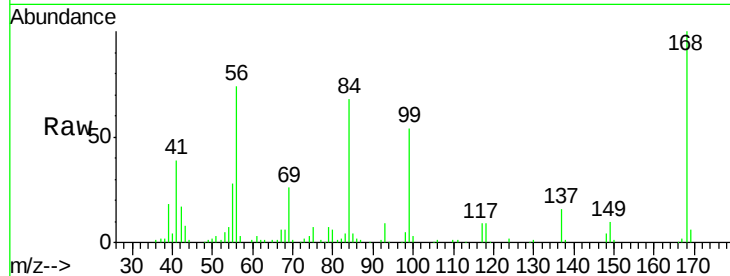
#31
Cyclohexane
Concen: 41.702 ug/l
RT: 7.61 min Scan# 1827
Delta R.T. 0.00 min
Lab File: VN065040.D
Acq: 10 Dec 2020 11:11

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
56	100		
69	34.4	27.5	41.3
84	90.5	72.4	108.6

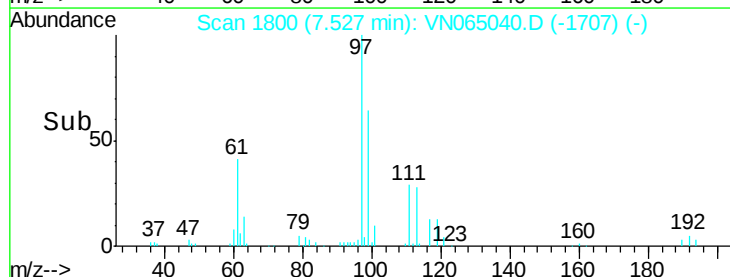
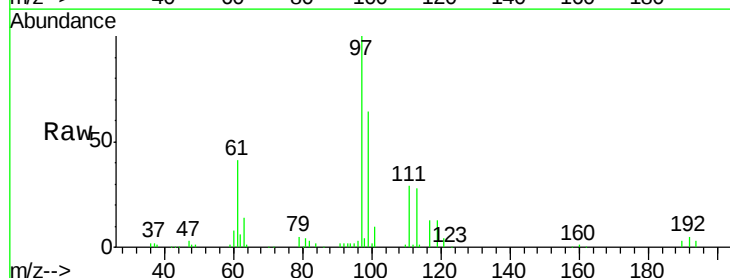
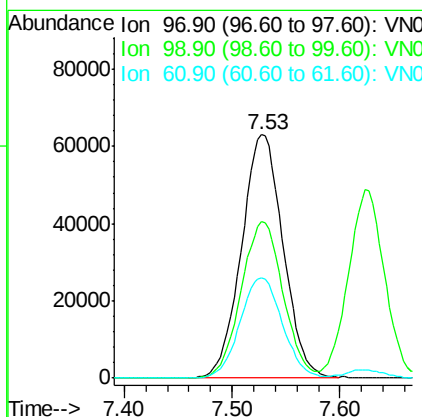
Manual Integrations
APPROVED

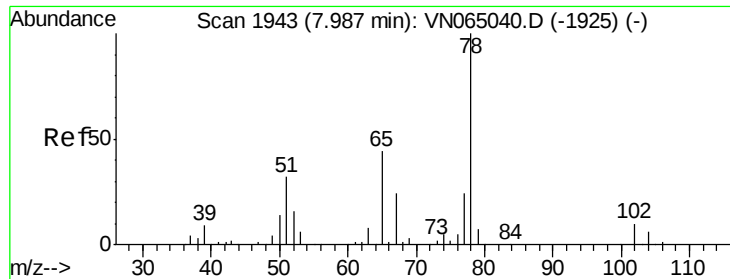
MMDadoda
12/11/2020 12:32:20 PM



#32
1,1,1-Trichloroethane
Concen: 46.957 ug/l
RT: 7.53 min Scan# 1800
Delta R.T. 0.00 min
Lab File: VN065040.D
Acq: 10 Dec 2020 11:11

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.6	51.7	77.5
61	41.9	33.5	50.3





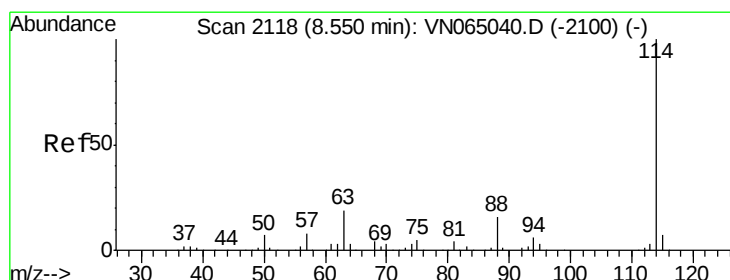
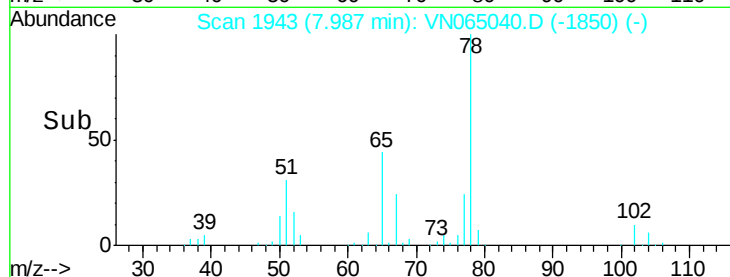
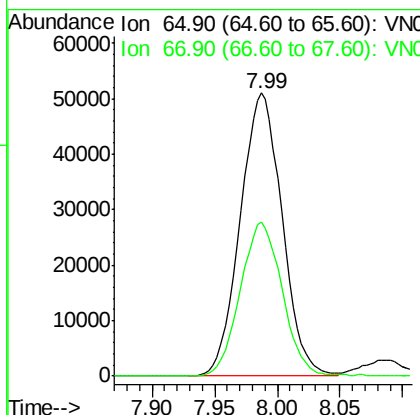
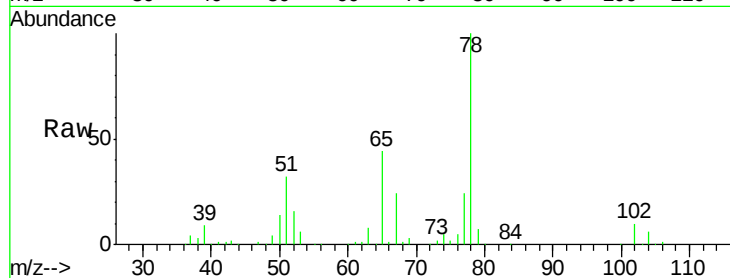
#33
 1,2-Dichloroethane-d4
 Concen: 47.682 ug/l
 RT: 7.99 min Scan# 1943
 Delta R.T. 0.00 min
 Lab File: VN065040.D
 Acq: 10 Dec 2020 11:11

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	54.2	0.0	108.4	

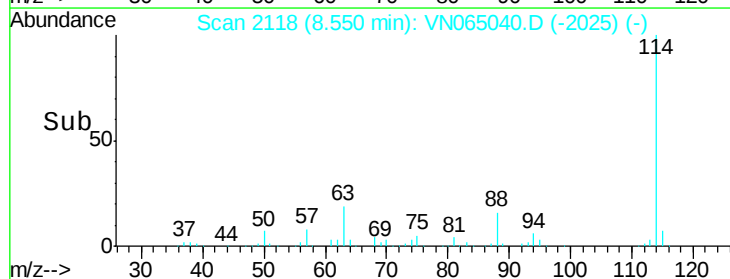
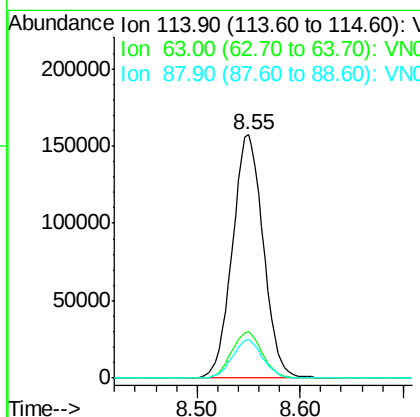
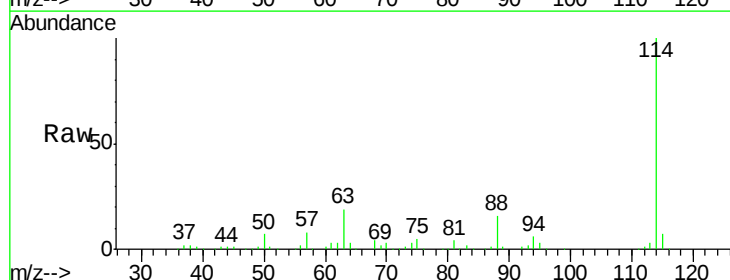
Manual Integrations
 APPROVED

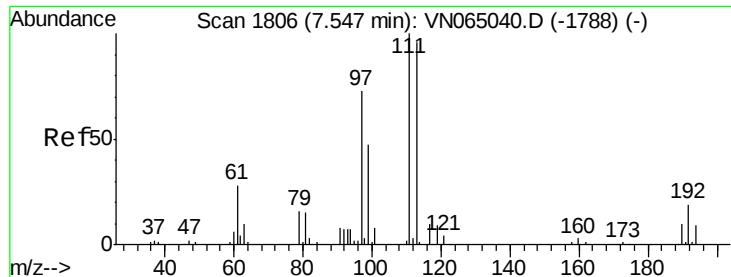
MMDadoda
 12/11/2020 12:32:20 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2118
 Delta R.T. 0.00 min
 Lab File: VN065040.D
 Acq: 10 Dec 2020 11:11

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	19.1	0.0	38.2	
88	15.8	0.0	31.6	





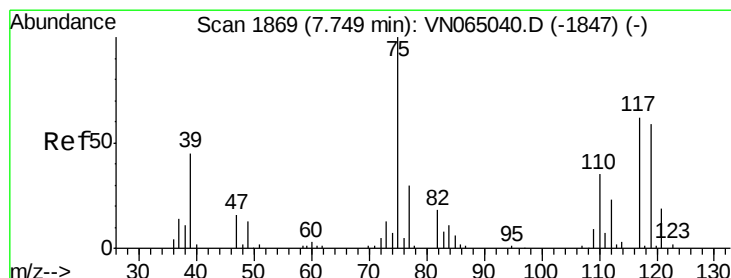
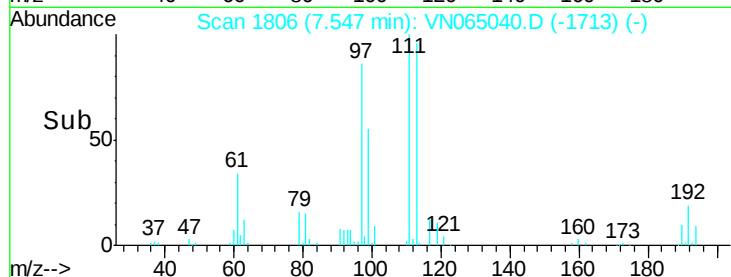
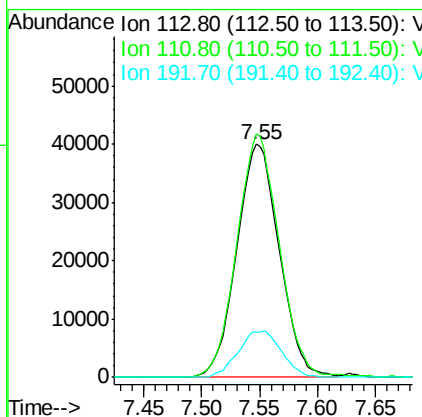
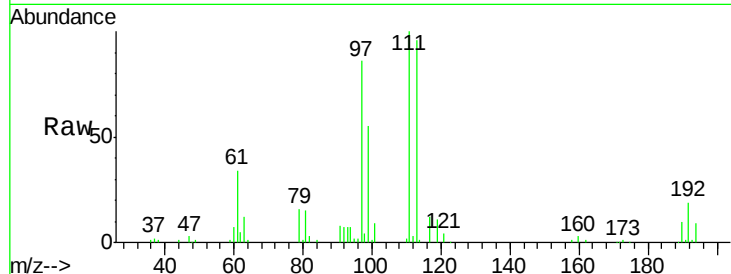
#35
Dibromofluoromethane
Concen: 51.146 ug/l
RT: 7.55 min Scan# 1806
Delta R.T. 0.00 min
Lab File: VN065040.D
Acq: 10 Dec 2020 11:11

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
113	100	101866		
111	104.2	83.4	125.0	
192	20.2	16.2	24.2	

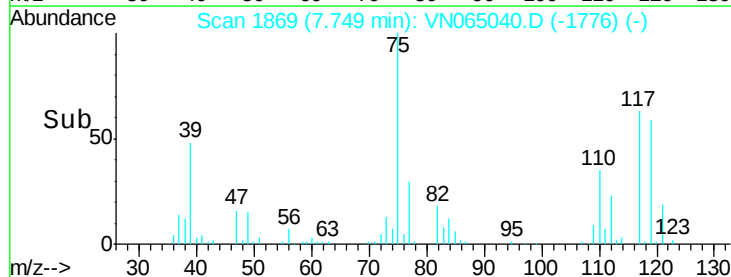
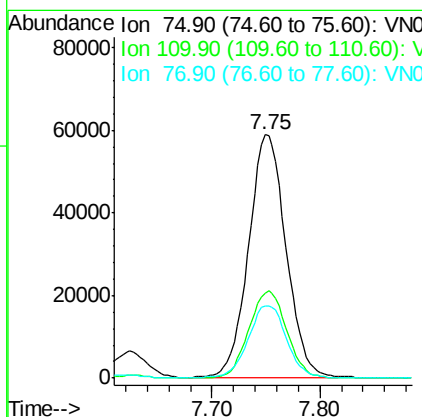
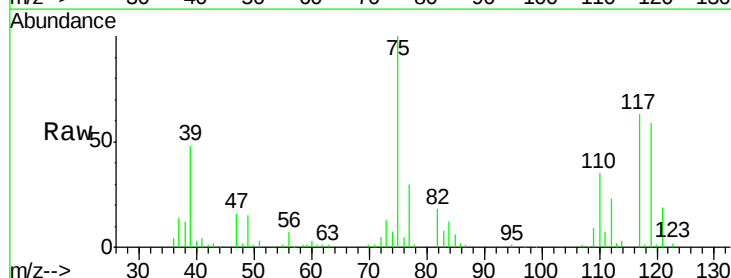
Manual Integrations
APPROVED

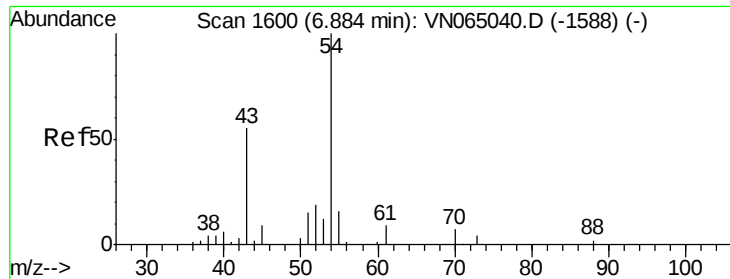
MMDadoda
12/11/2020 12:32:20 PM



#36
1,1-Dichloropropene
Concen: 47.287 ug/l
RT: 7.75 min Scan# 1869
Delta R.T. 0.00 min
Lab File: VN065040.D
Acq: 10 Dec 2020 11:11

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	142386		
110	36.1	18.1	54.1	
77	30.6	24.5	36.7	





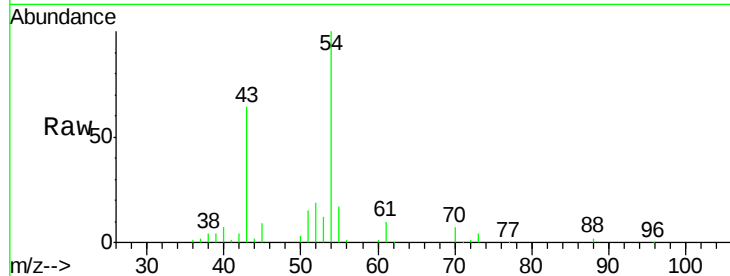
#37
Ethyl Acetate
Concen: 43.904 ug/l
RT: 6.88 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VN065040.D
Acq: 10 Dec 2020 11:11

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

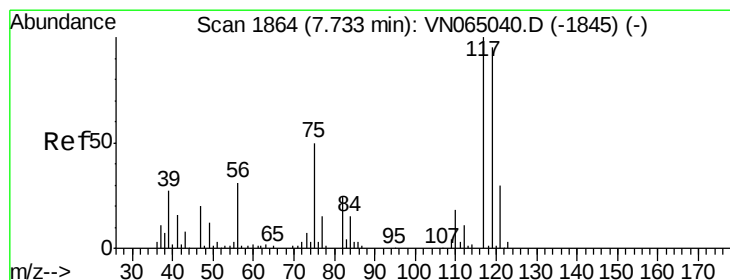
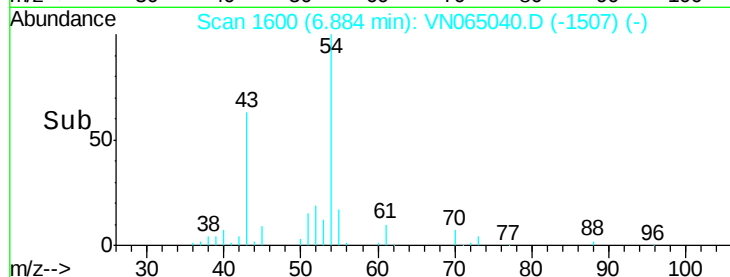
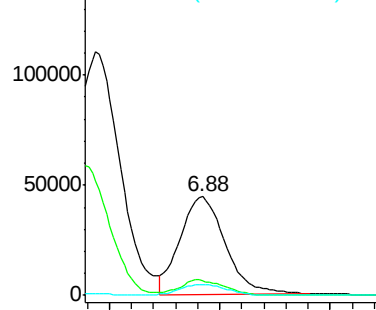
Tot Ion	Ratio	Lower	Upper
43	100		
61	14.9	11.9	17.9
70	11.5	9.2	13.8

Manual Integrations
APPROVED

MMDadoda
12/11/2020 12:32:20 PM

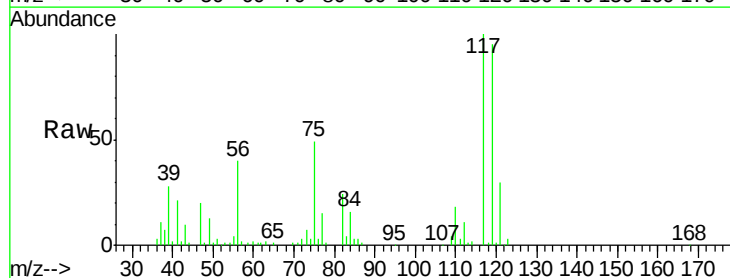


Abundance Ion 43.00 (42.70 to 43.70): VN065040.D (-1588) (-)
Ion 60.90 (60.60 to 61.60): VN065040.D (-1588) (-)
Ion 70.00 (69.70 to 70.70): VN065040.D (-1588) (-)

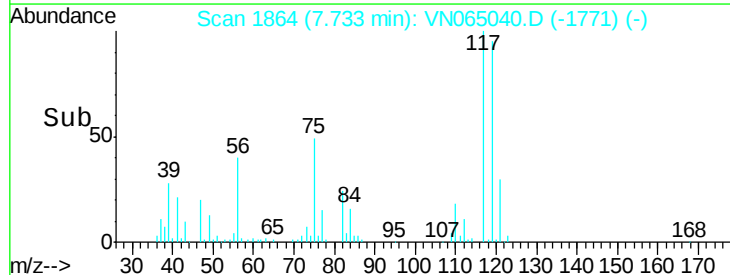
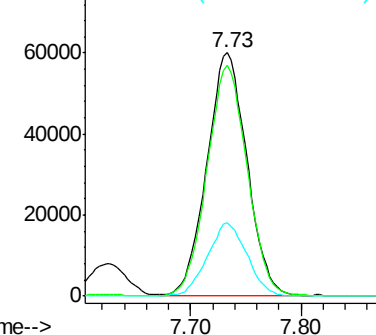


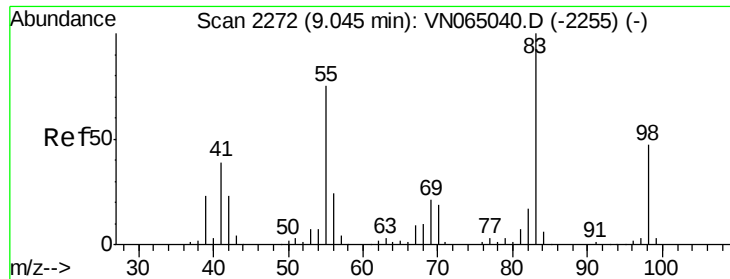
#38
Carbon Tetrachloride
Concen: 47.915 ug/l
RT: 7.73 min Scan# 1864
Delta R.T. 0.00 min
Lab File: VN065040.D
Acq: 10 Dec 2020 11:11

Tgt Ion	Ratio	Lower	Upper
117	100		
119	94.9	75.9	113.9
121	30.1	24.1	36.1



Abundance Ion 116.80 (116.50 to 117.50): VN065040.D (-1845) (-)
Ion 118.80 (118.50 to 119.50): VN065040.D (-1845) (-)
Ion 120.80 (120.50 to 121.50): VN065040.D (-1845) (-)





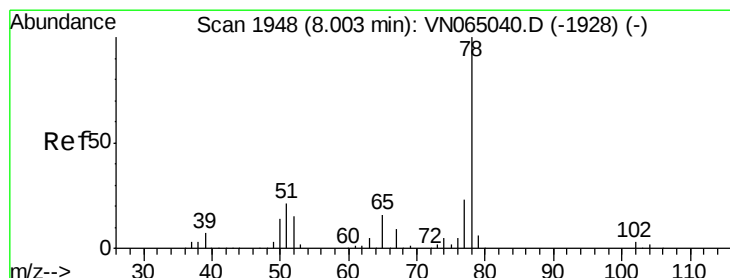
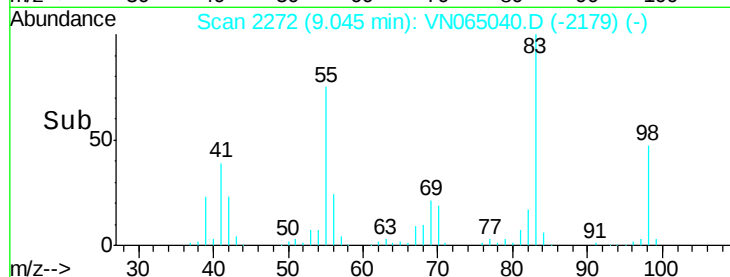
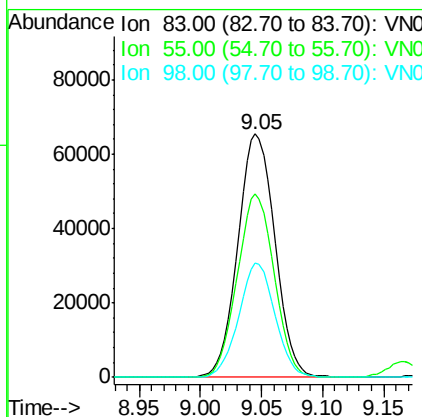
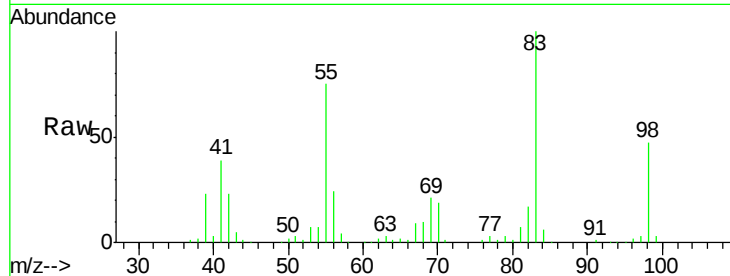
#39
Methvlcvclohexane
Concen: 43.142 ug/l
RT: 9.05 min Scan# 2272
Delta R.T. 0.00 min
Lab File: VN065040.D
Acq: 10 Dec 2020 11:11

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
83	100		
55	75.4	60.3	90.5
98	46.7	37.4	56.0

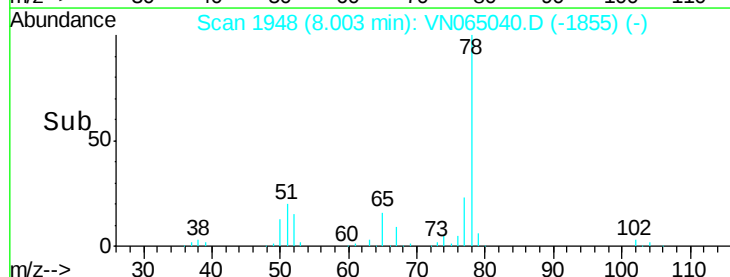
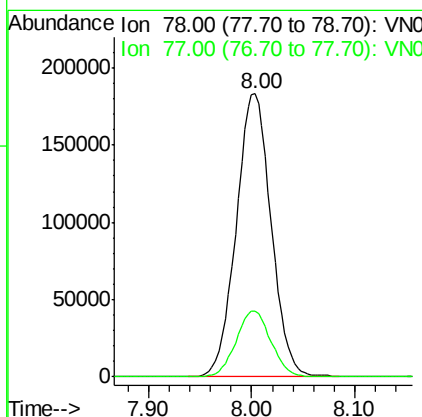
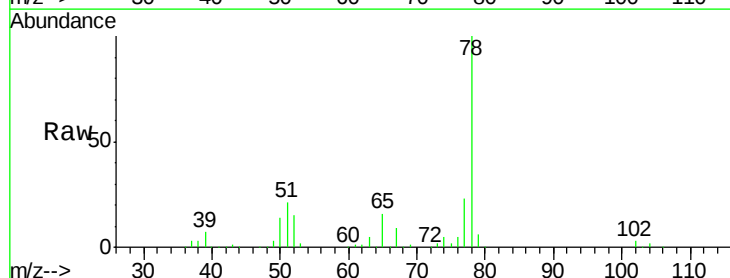
Manual Integrations
APPROVED

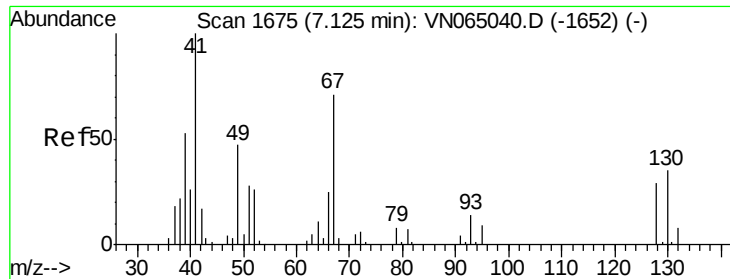
MMDadoda
12/11/2020 12:32:20 PM



#40
Benzene
Concen: 46.776 ug/l
RT: 8.00 min Scan# 1948
Delta R.T. 0.00 min
Lab File: VN065040.D
Acq: 10 Dec 2020 11:11

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.4	18.7	28.1





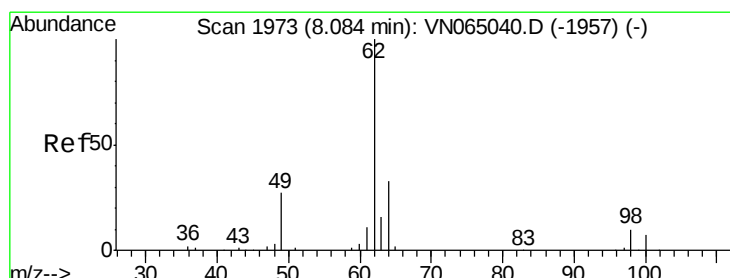
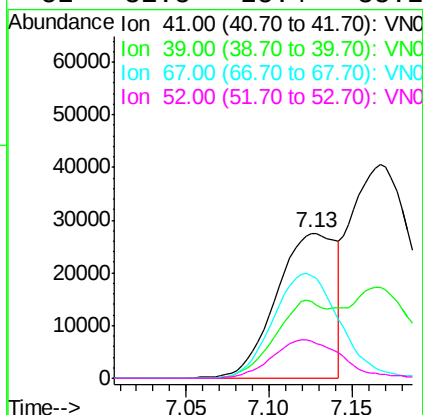
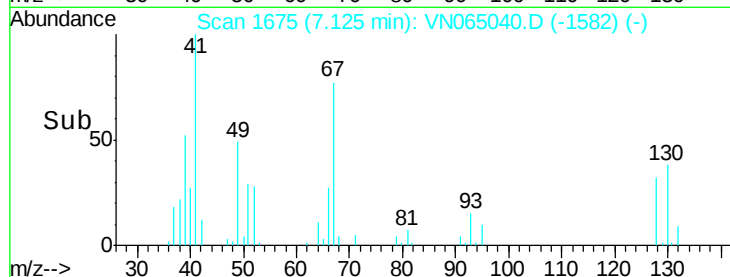
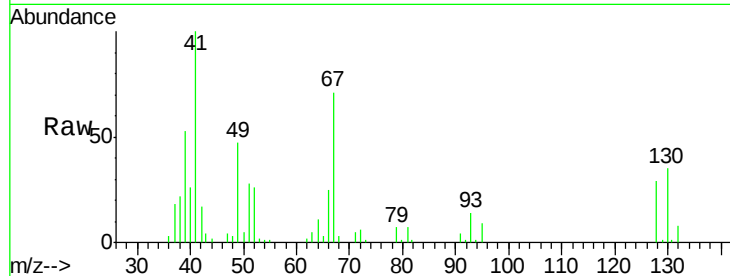
#41
Methacrylonitrile
Concen: 50.064 ug/l
RT: 7.13 min Scan# 1675
Delta R.T. 0.00 min
Lab File: VN065040.D
Acq: 10 Dec 2020 11:11

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	45.0	36.0	54.0	
67	81.0	64.8	97.2	
52	31.8	25.4	38.2	

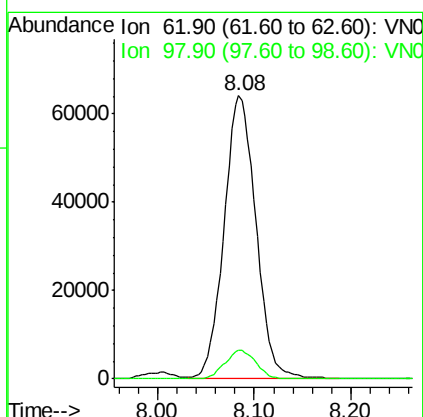
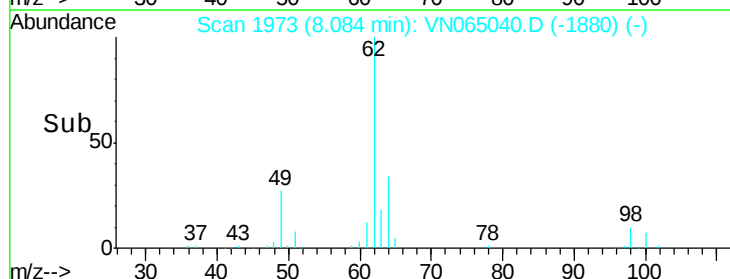
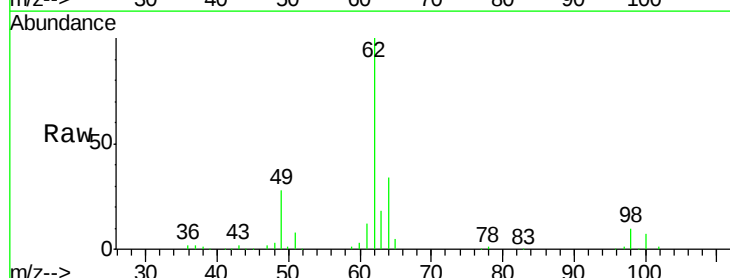
Manual Integrations
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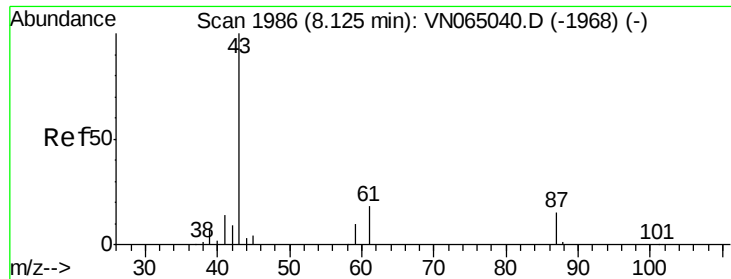
MMDadoda
12/11/2020 12:32:20 PM



#42
1,2-Dichloroethane
Concen: 46.701 ug/l
RT: 8.08 min Scan# 1973
Delta R.T. 0.00 min
Lab File: VN065040.D
Acq: 10 Dec 2020 11:11

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	9.9	0.0	19.8	





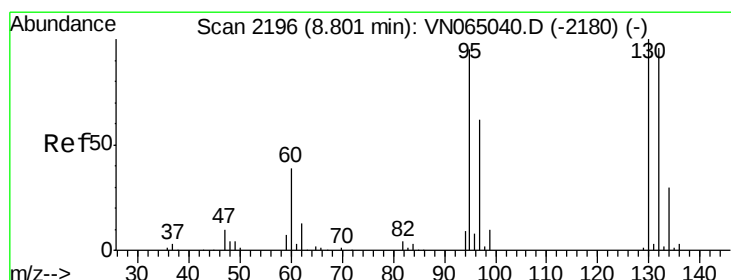
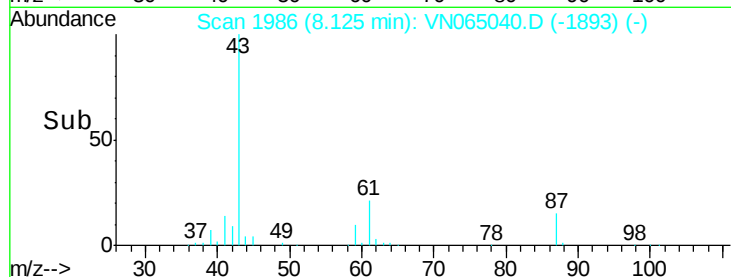
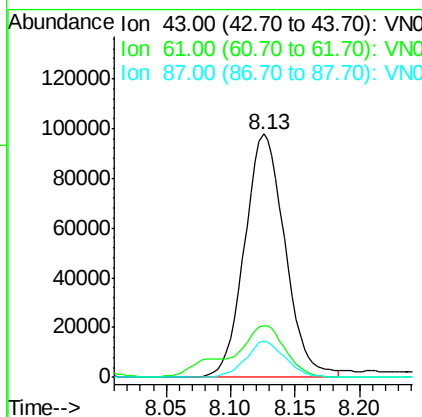
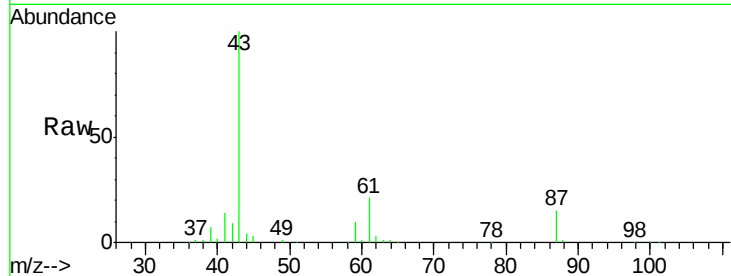
#43
Isopropyl Acetate
Concen: 46.222 ug/l
RT: 8.13 min Scan# 1986
Delta R.T. 0.00 min
Lab File: VN065040.D
Acq: 10 Dec 2020 11:11

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	21.1	16.9	25.3
87	14.3	11.4	17.2

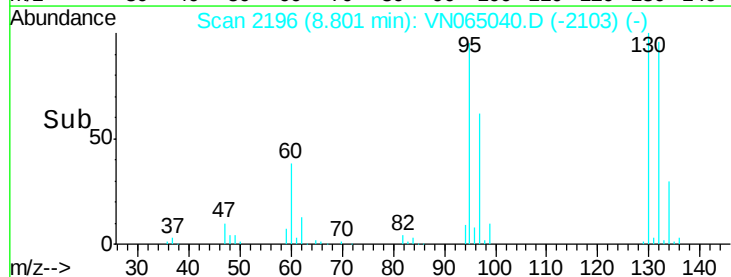
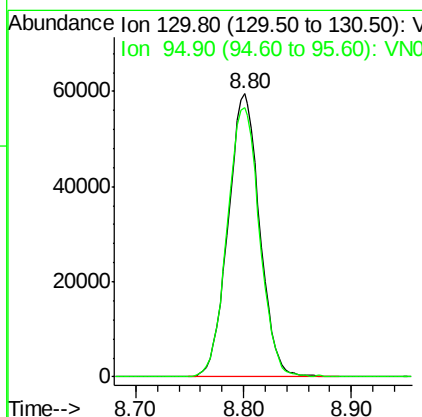
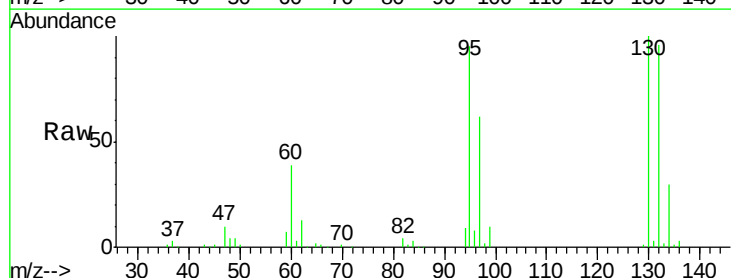
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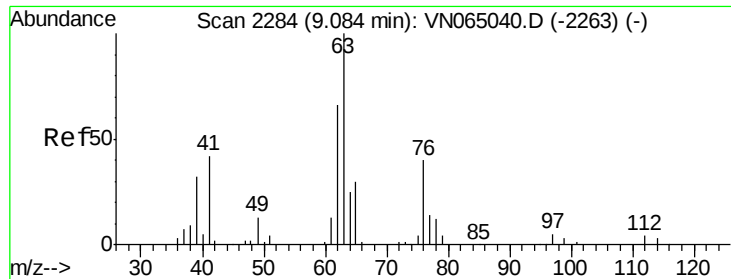
MMDadoda
12/11/2020 12:32:20 PM



#44
Trichloroethene
Concen: 44.807 ug/l
RT: 8.80 min Scan# 2196
Delta R.T. 0.00 min
Lab File: VN065040.D
Acq: 10 Dec 2020 11:11

Tgt Ion	Ratio	Lower	Upper
130	100		
95	95.1	0.0	190.2





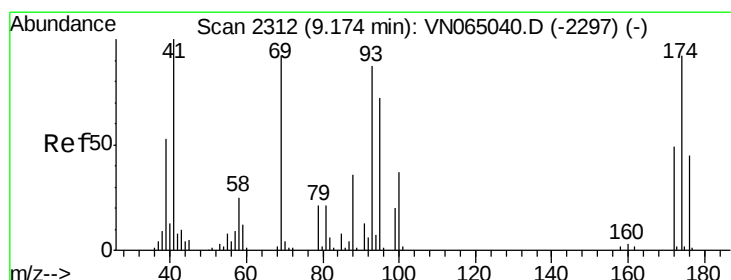
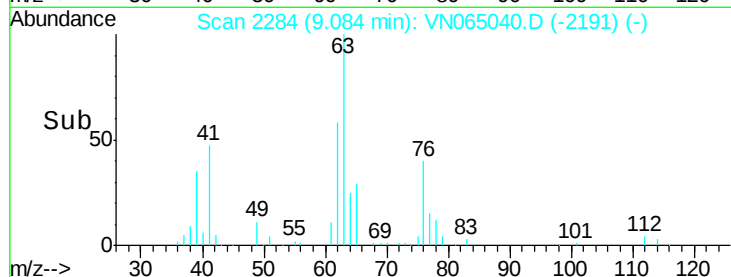
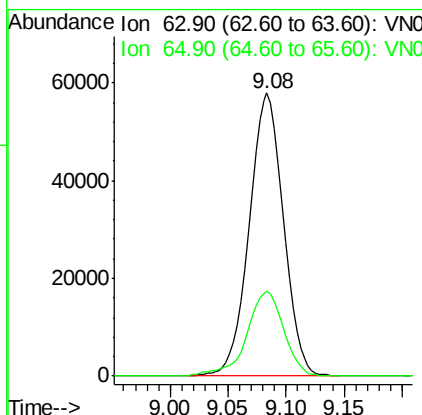
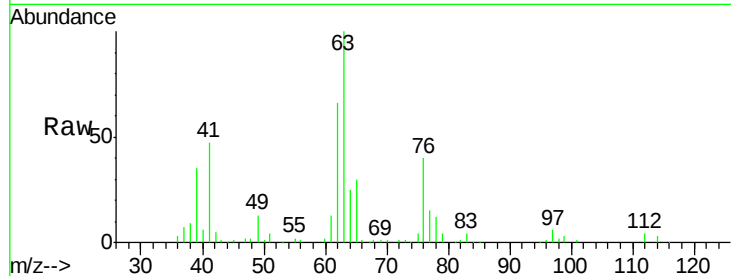
#45
 1,2-Dichloropropane
 Concen: 49.539 ug/l
 RT: 9.08 min Scan# 2284
 Delta R.T. 0.00 min
 Lab File: VN065040.D
 Acq: 10 Dec 2020 11:11

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Tot Ion: 63 Resp: 119397
 Ion Ratio Lower Upper
 63 100
 65 30.0 24.0 36.0

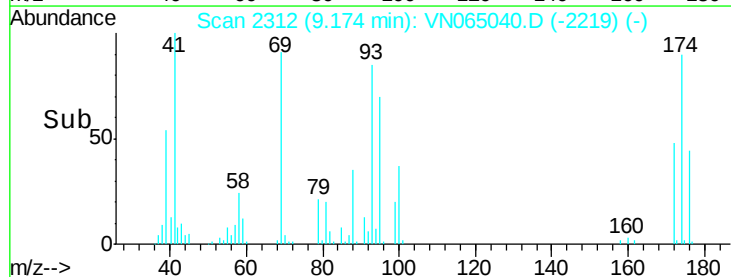
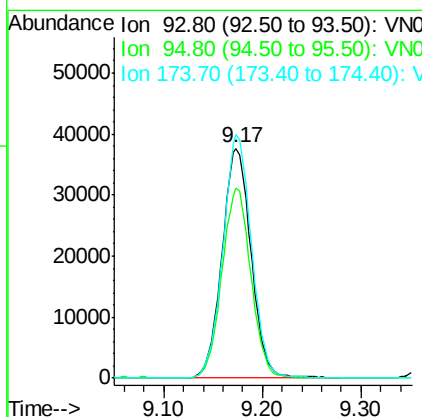
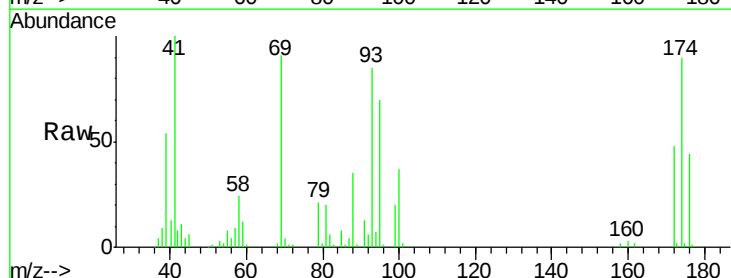
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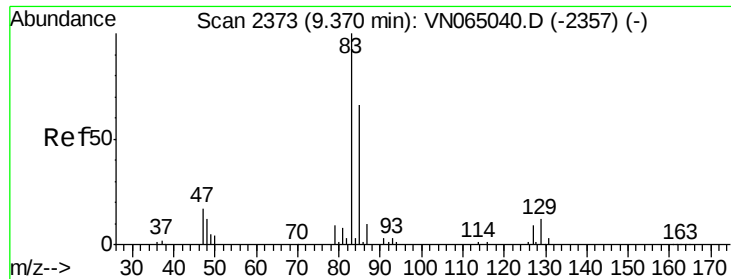
MMDadoda
 12/11/2020 12:32:20 PM



#46
 Dibromomethane
 Concen: 48.448 ug/l
 RT: 9.17 min Scan# 2312
 Delta R.T. 0.00 min
 Lab File: VN065040.D
 Acq: 10 Dec 2020 11:11

Tgt Ion: 93 Resp: 77724
 Ion Ratio Lower Upper
 93 100
 95 82.1 65.7 98.5
 174 103.7 83.0 124.4





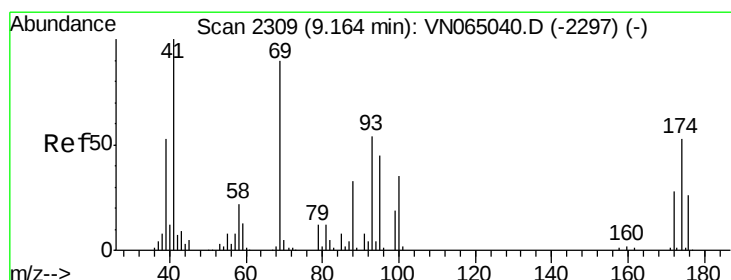
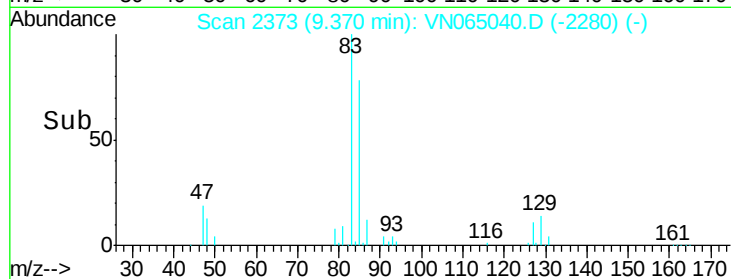
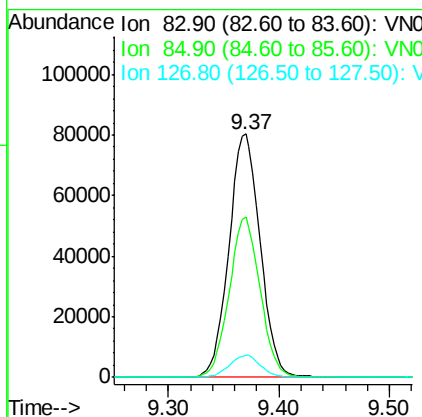
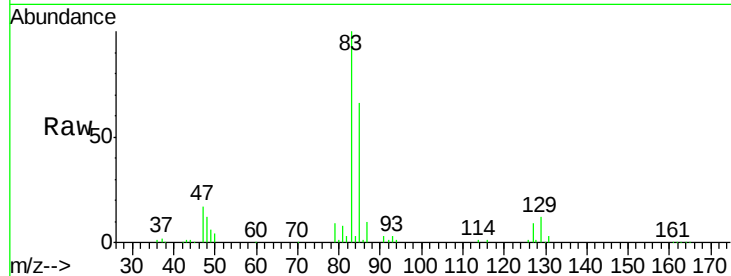
#47
Bromodichloromethane
Concen: 48.907 ug/l
RT: 9.37 min Scan# 2373
Delta R.T. 0.00 min
Lab File: VN065040.D
Acq: 10 Dec 2020 11:11

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
83	100		
85	65.6	52.5	78.7
127	8.9	7.1	10.7

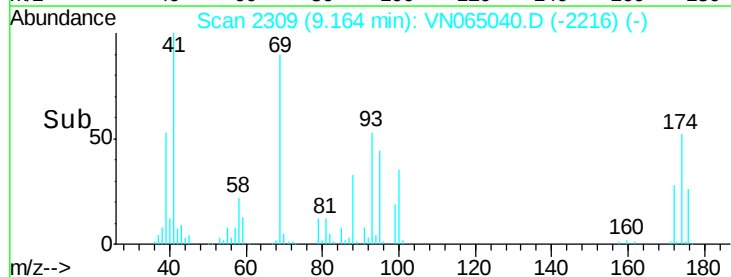
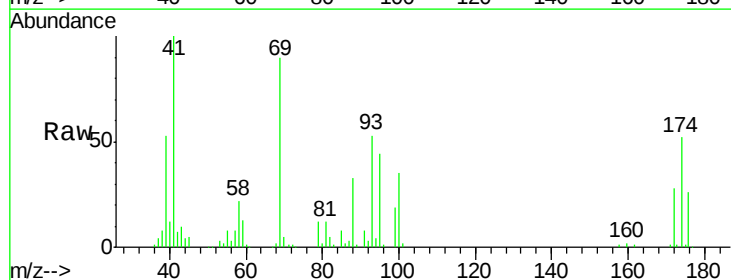
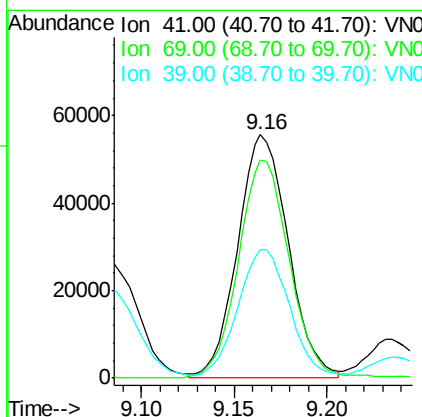
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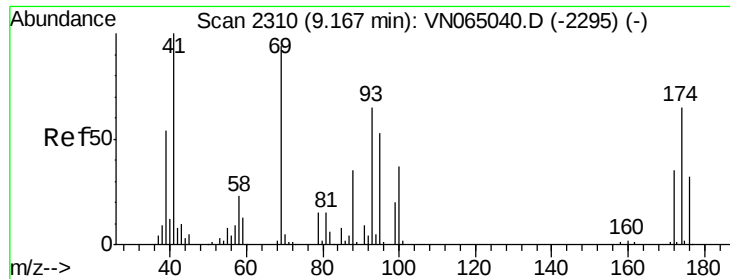
MMDadoda
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#48
Methyl methacrylate
Concen: 47.494 ug/l
RT: 9.16 min Scan# 2309
Delta R.T. 0.00 min
Lab File: VN065040.D
Acq: 10 Dec 2020 11:11

Tgt Ion	Ratio	Lower	Upper
41	100		
69	90.1	72.1	108.1
39	54.7	43.8	65.6





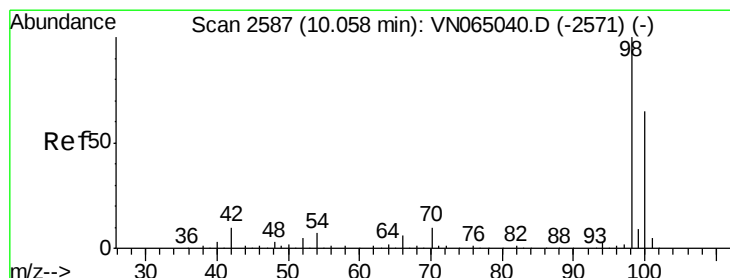
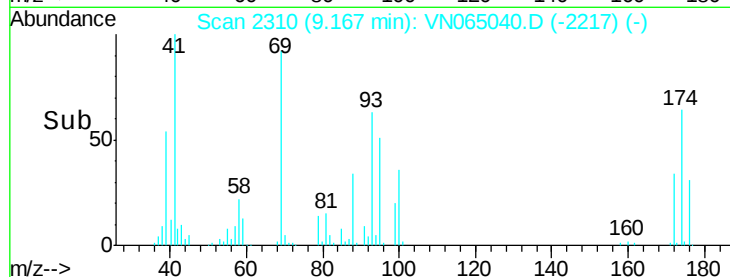
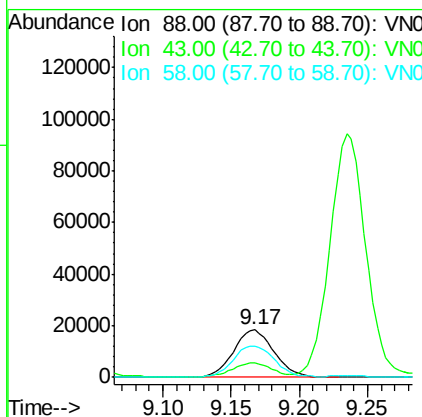
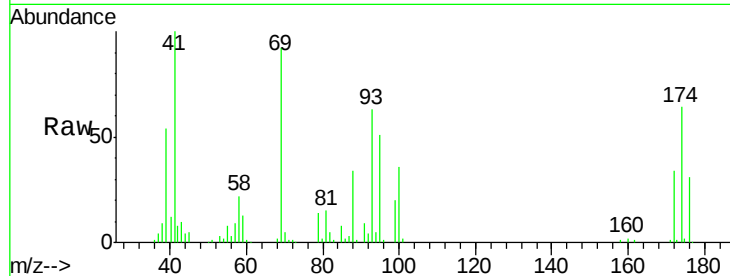
#49
 1,4-Dioxane
 Concen: 919.628 ug/l
 RT: 9.17 min Scan# 2310
 Delta R.T. 0.00 min
 Lab File: VN065040.D
 Acq: 10 Dec 2020 11:11

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
88	100		
43	26.4	21.1	31.7
58	67.3	53.8	80.8

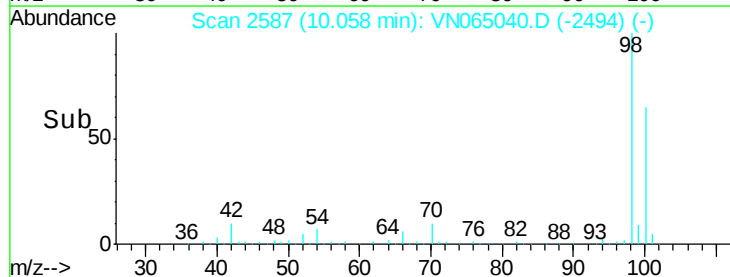
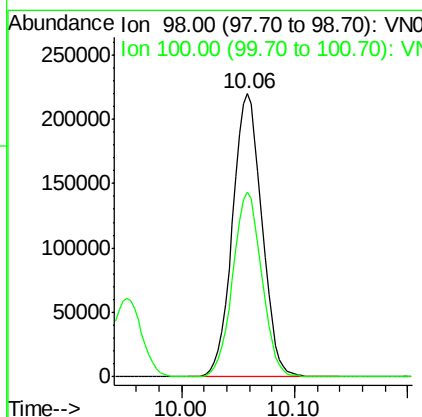
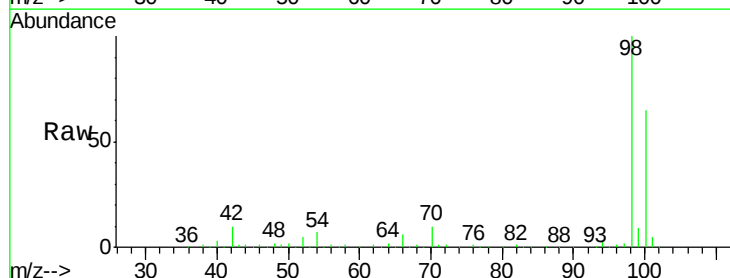
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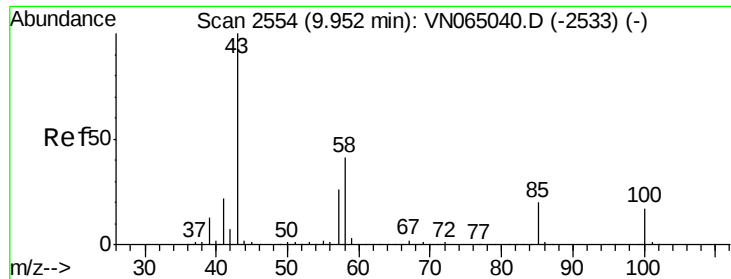
MMDadoda
 12/11/2020 12:32:20 PM



#50
 Toluene-d8
 Concen: 49.259 ug/l
 RT: 10.06 min Scan# 2587
 Delta R.T. 0.00 min
 Lab File: VN065040.D
 Acq: 10 Dec 2020 11:11

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.5	51.6	77.4





#51

4-Methyl-2-Pentanone

Concen: 235.620 ug/l

RT: 9.95 min Scan# 2554

Delta R.T. 0.00 min

Lab File: VN065040.D

Acq: 10 Dec 2020 11:11

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tot Ion: 43 Resp: 653487

Ion Ratio Lower Upper

43 100

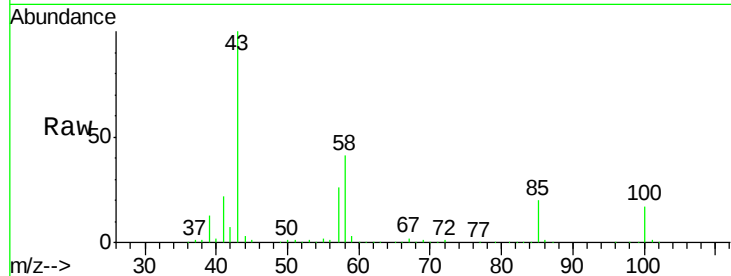
58 40.5 32.4 48.6

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VN065040.D (-2533) (-)

Ion 58.00 (57.70 to 58.70): VN065040.D (-2533) (-)

9.95

400000

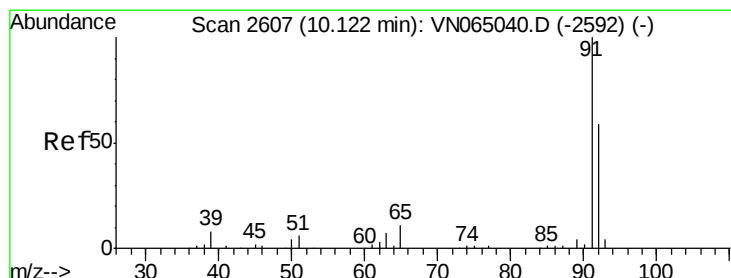
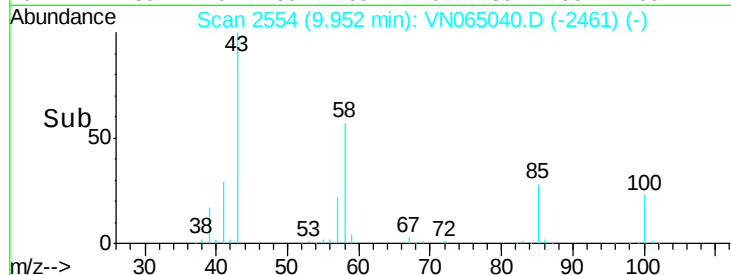
300000

200000

100000

0

Time-->



#52

Toluene

Concen: 48.483 ug/l

RT: 10.12 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN065040.D

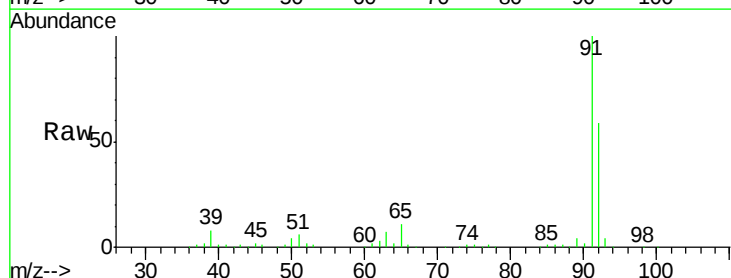
Acq: 10 Dec 2020 11:11

Tgt Ion: 92 Resp: 276254

Ion Ratio Lower Upper

92 100

91 172.4 137.9 206.9



Abundance Ion 92.00 (91.70 to 92.70): VN065040.D (-2592) (-)

Ion 91.00 (90.70 to 91.70): VN065040.D (-2592) (-)

10.12

300000

250000

200000

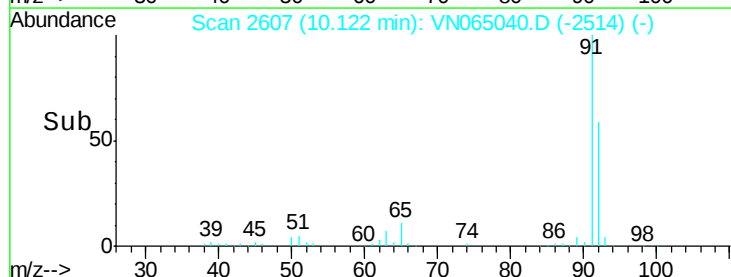
150000

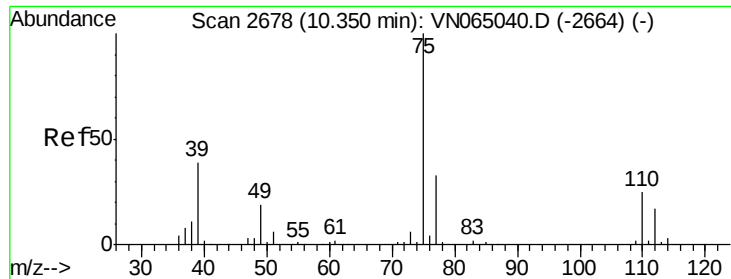
100000

50000

0

Time-->





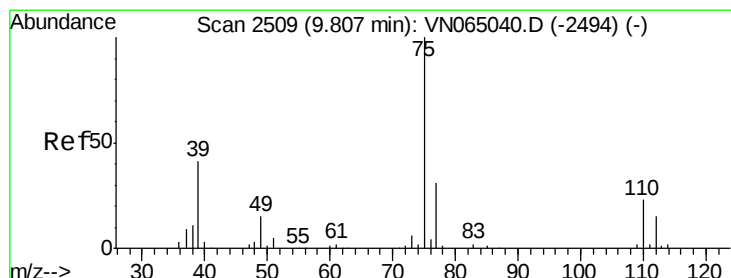
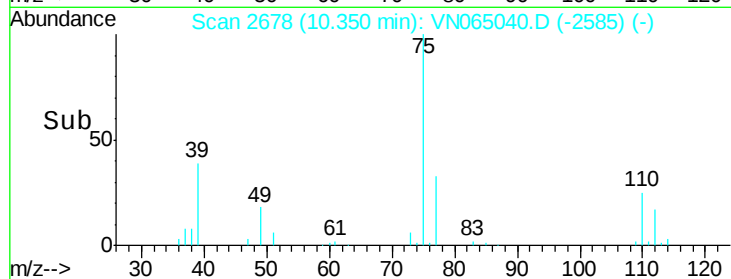
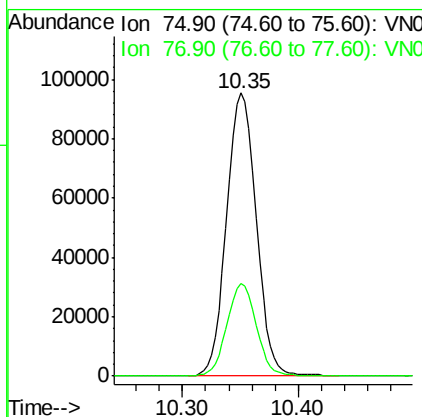
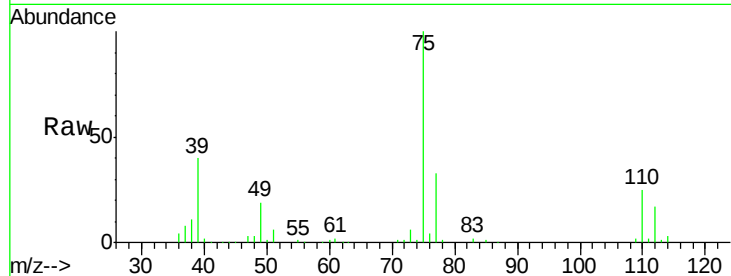
#53
 t-1,3-Dichloropropene
 Concen: 47.291 ug/l
 RT: 10.35 min Scan# 2678
 Delta R.T. 0.00 min
 Lab File: VN065040.D
 Acq: 10 Dec 2020 11:11

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDICCC050

Tot Ion: 75 Resp: 169202
 Ion Ratio Lower Upper
 75 100
 77 32.5 26.0 39.0

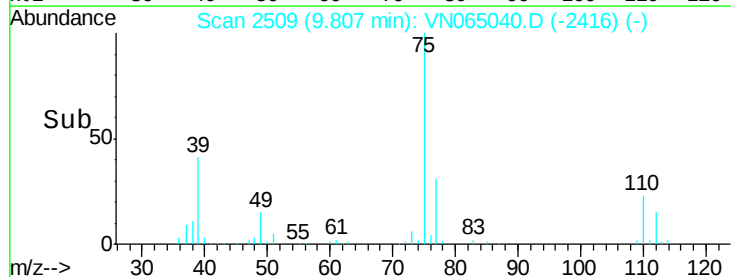
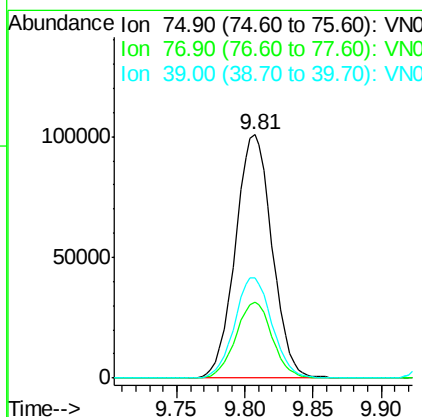
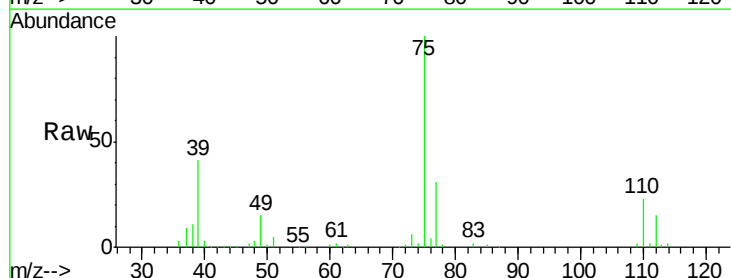
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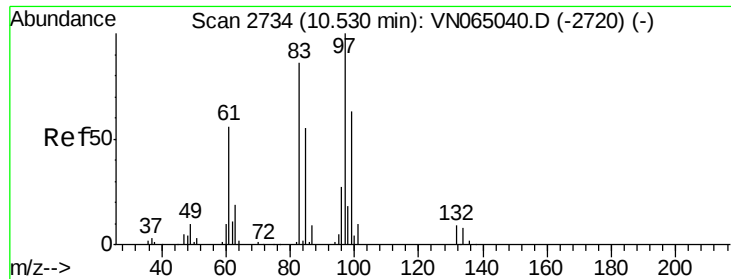
MMDadoda
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#54
 cis-1,3-Dichloropropene
 Concen: 49.079 ug/l
 RT: 9.81 min Scan# 2509
 Delta R.T. 0.00 min
 Lab File: VN065040.D
 Acq: 10 Dec 2020 11:11

Tgt Ion: 75 Resp: 188666
 Ion Ratio Lower Upper
 75 100
 77 31.0 24.8 37.2
 39 41.2 33.0 49.4





#55

1,1,2-Trichloroethane

Concen: 48.287 ug/l

RT: 10.53 min Scan# 2734

Delta R.T. 0.00 min

Lab File: VN065040.D

Acq: 10 Dec 2020 11:11

Instrument :

MSVOA_N

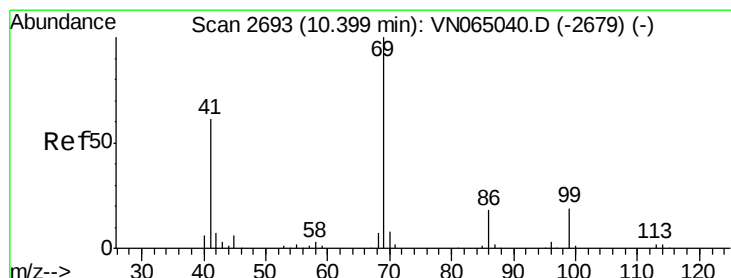
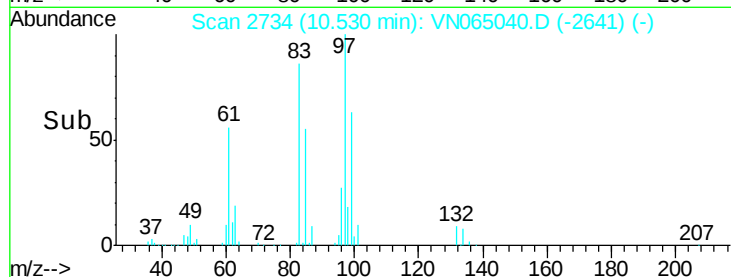
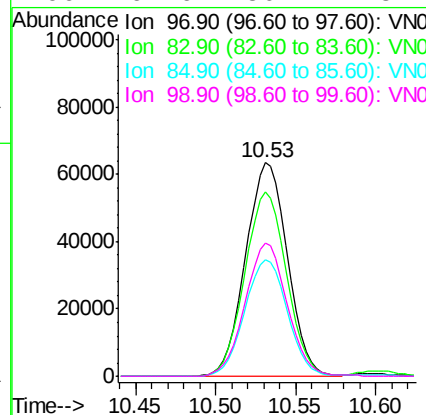
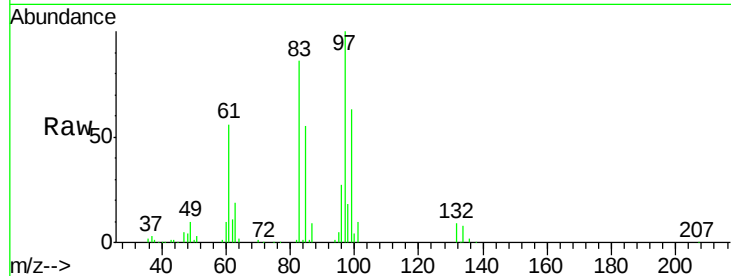
ClientSampleId :

VSTDICCC050

Tot Ion:	97	Resp:	113906
Ion	Ratio	Lower	Upper
97	100		
83	86.3	69.0	103.6
85	54.5	43.6	65.4
99	62.6	50.1	75.1

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#56

Ethyl methacrylate

Concen: 48.783 ug/l

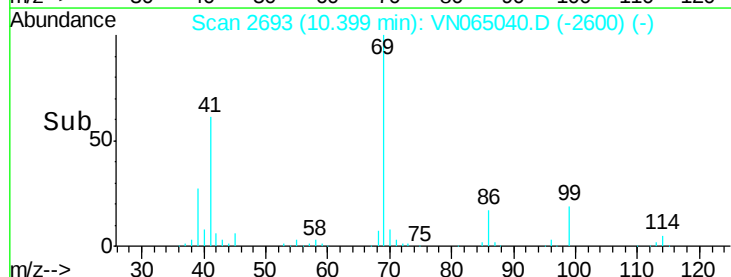
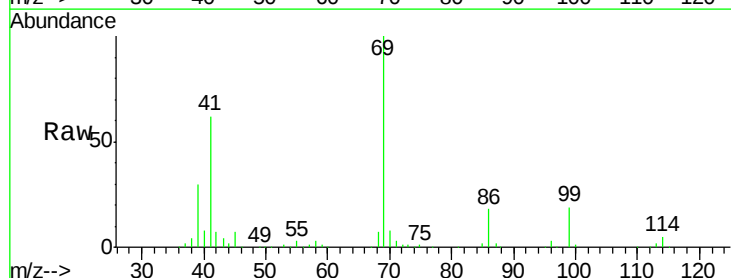
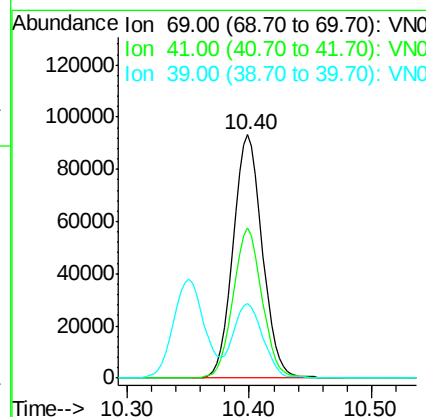
RT: 10.40 min Scan# 2693

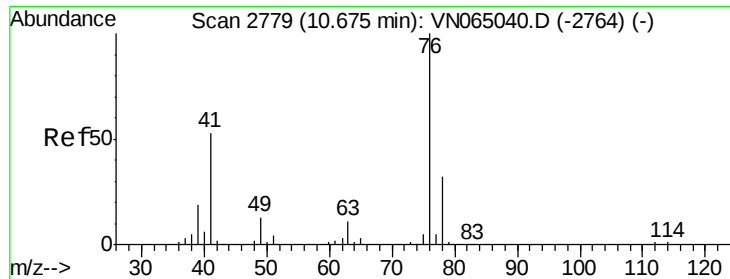
Delta R.T. 0.00 min

Lab File: VN065040.D

Acq: 10 Dec 2020 11:11

Tgt Ion:	69	Resp:	156020
Ion	Ratio	Lower	Upper
69	100		
41	60.2	48.2	72.2
39	30.9	24.7	37.1





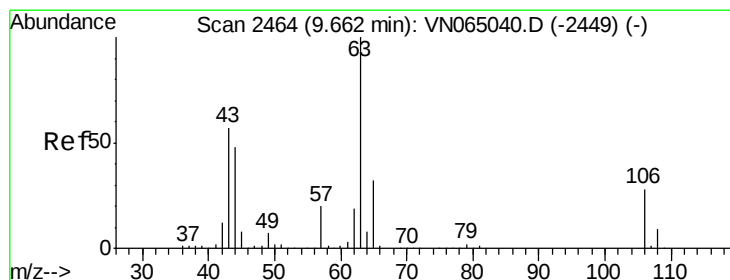
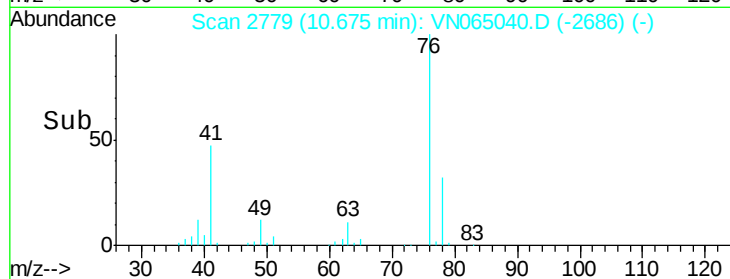
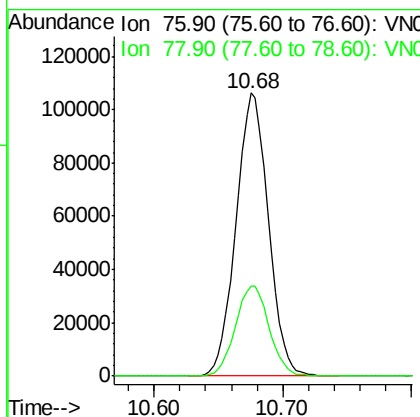
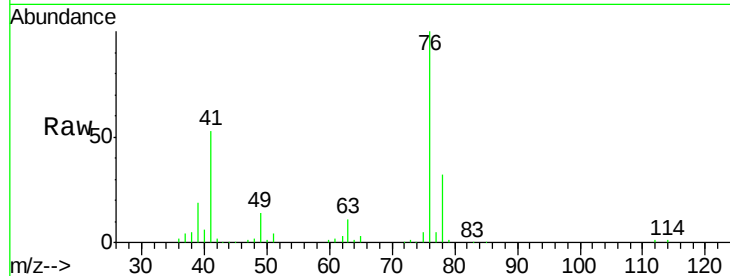
#57
 1,3-Dichloropropane
 Concen: 48.073 ug/l
 RT: 10.68 min Scan# 2779
 Delta R.T. 0.00 min
 Lab File: VN065040.D
 Acq: 10 Dec 2020 11:11

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Tot Ion: 76 Resp: 185800
 Ion Ratio Lower Upper
 76 100
 78 33.1 26.5 39.7

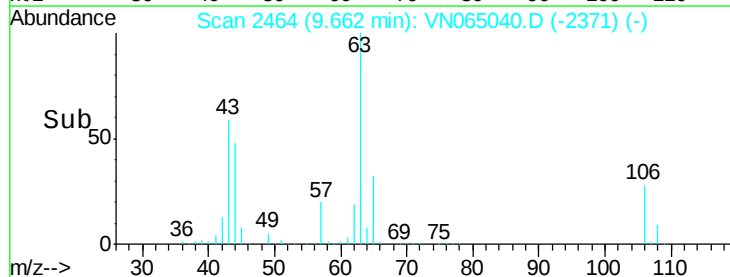
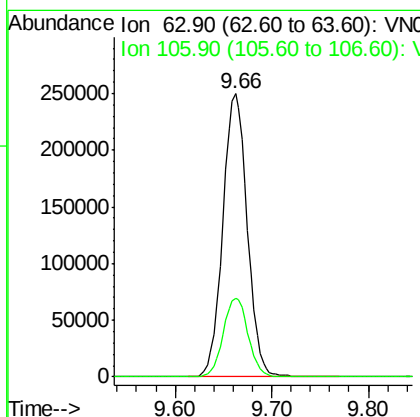
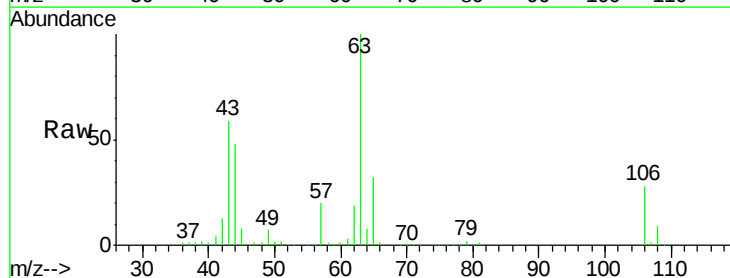
Manual Integrations
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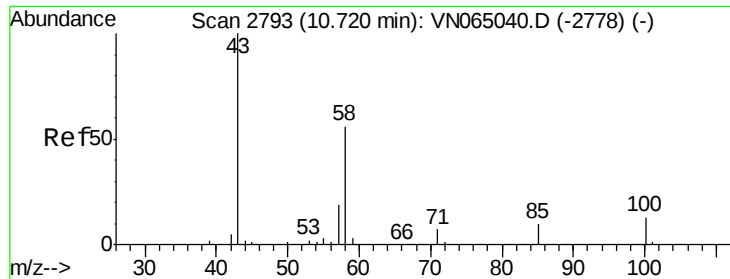
MMDadoda
 12/11/2020 12:32:20 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 248.873 ug/l
 RT: 9.66 min Scan# 2464
 Delta R.T. 0.00 min
 Lab File: VN065040.D
 Acq: 10 Dec 2020 11:11

Tgt Ion: 63 Resp: 438773
 Ion Ratio Lower Upper
 63 100
 106 28.2 22.6 33.8





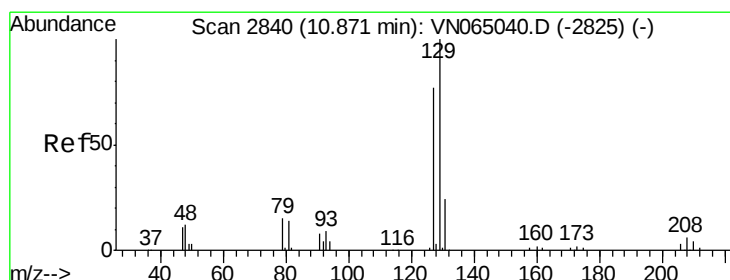
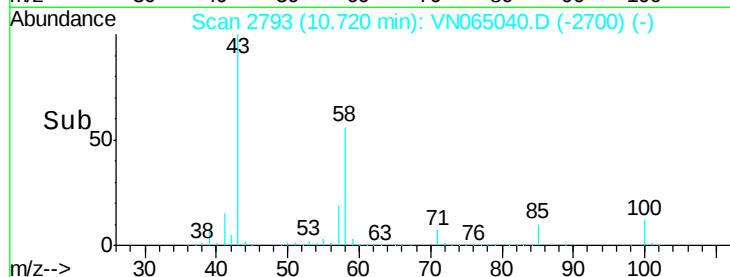
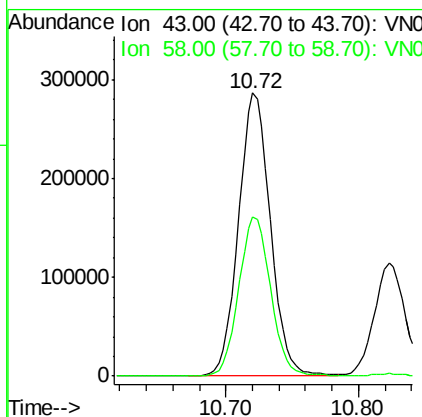
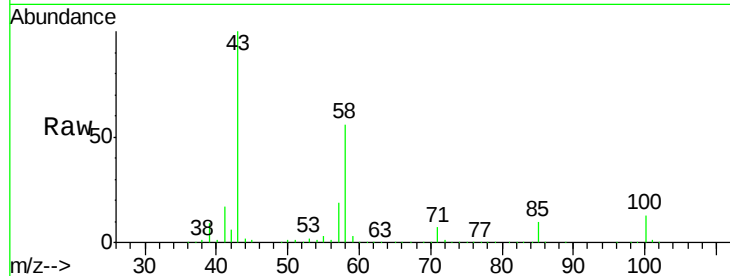
#59
2-Hexanone
Concen: 239.033 ug/l
RT: 10.72 min Scan# 2793
Delta R.T. 0.00 min
Lab File: VN065040.D
Acq: 10 Dec 2020 11:11

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion: 43 Resp: 476699
Ion Ratio Lower Upper
43 100
58 56.6 28.3 84.9

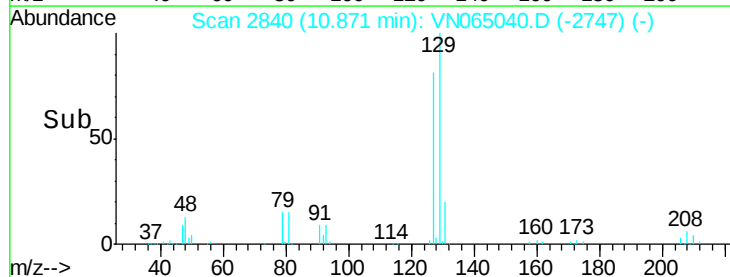
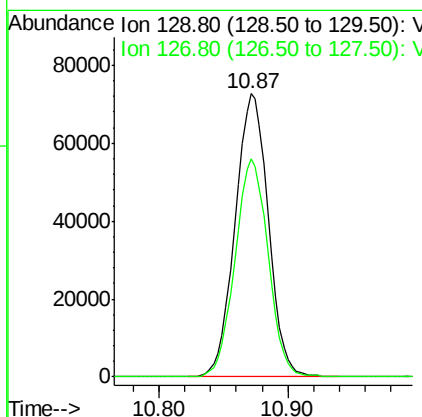
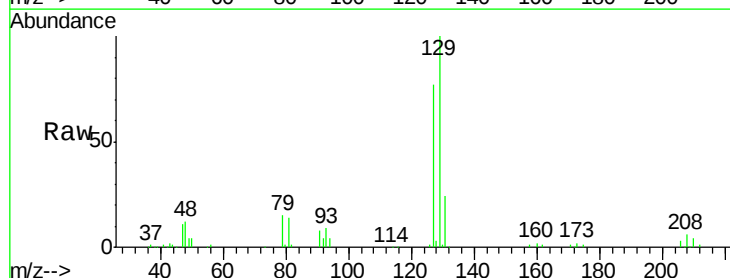
Manual Integrations
APPROVED

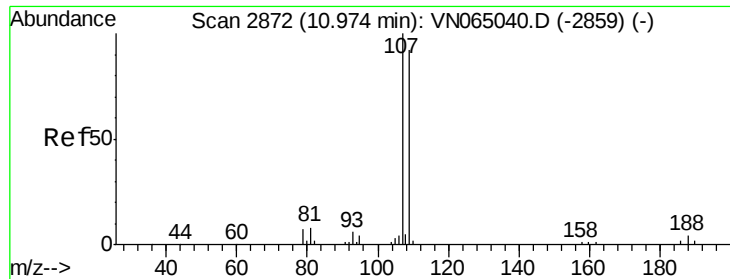
MMDadoda
12/11/2020 12:32:20 PM



#60
Dibromochloromethane
Concen: 49.894 ug/l
RT: 10.87 min Scan# 2840
Delta R.T. 0.00 min
Lab File: VN065040.D
Acq: 10 Dec 2020 11:11

Tgt Ion: 129 Resp: 130237
Ion Ratio Lower Upper
129 100
127 76.7 38.4 115.1





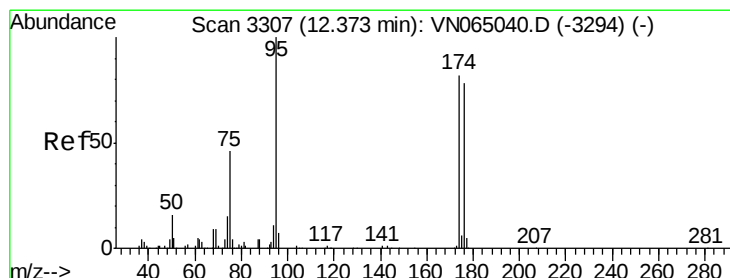
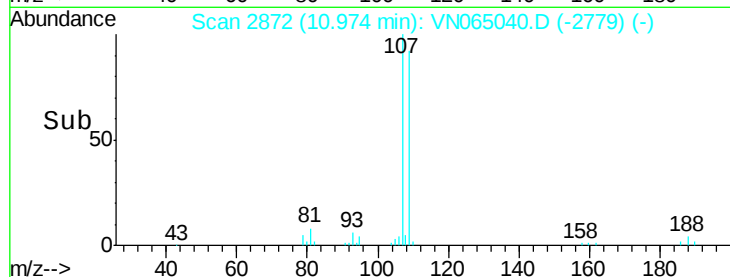
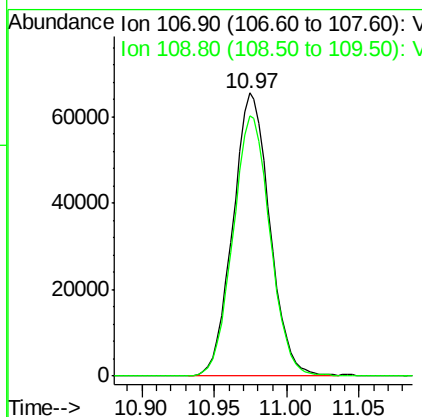
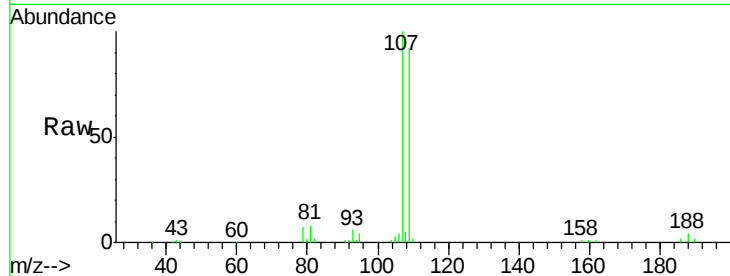
#61
 1,2-Dibromoethane
 Concen: 48.678 ug/l
 RT: 10.97 min Scan# 2872
 Delta R.T. 0.00 min
 Lab File: VN065040.D
 Acq: 10 Dec 2020 11:11

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
107	100	115916		
109	92.6	74.1	111.1	

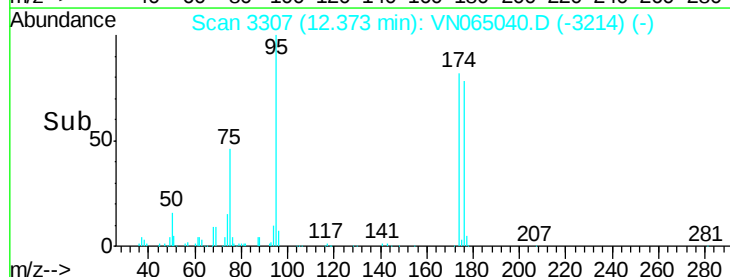
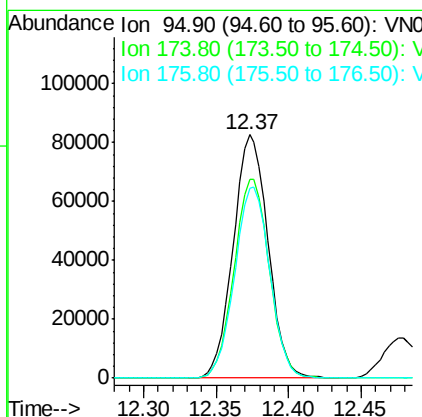
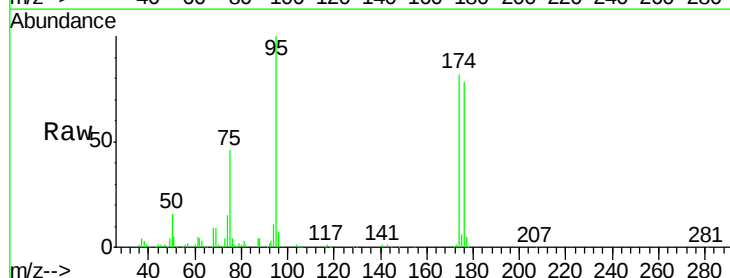
Manual Integrations
 APPROVED

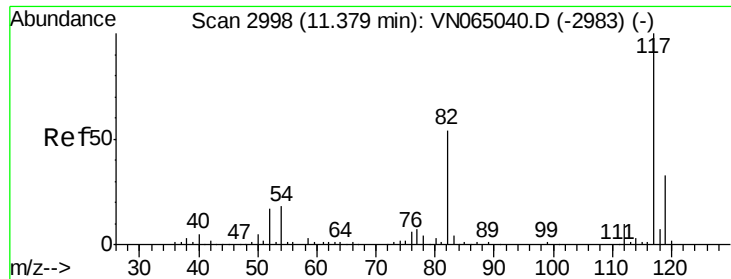
MMDadoda
 12/11/2020 12:32:20 PM



#62
 4-Bromofluorobenzene
 Concen: 48.122 ug/l
 RT: 12.37 min Scan# 3307
 Delta R.T. 0.00 min
 Lab File: VN065040.D
 Acq: 10 Dec 2020 11:11

Tgt Ion	Ratio	Resp	Lower	Upper
95	100	138029		
174	82.4	0.0	164.8	
176	79.4	0.0	158.8	





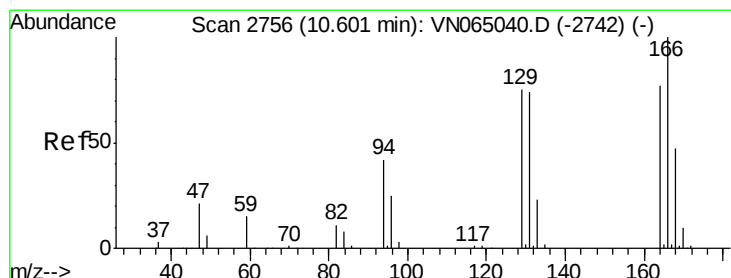
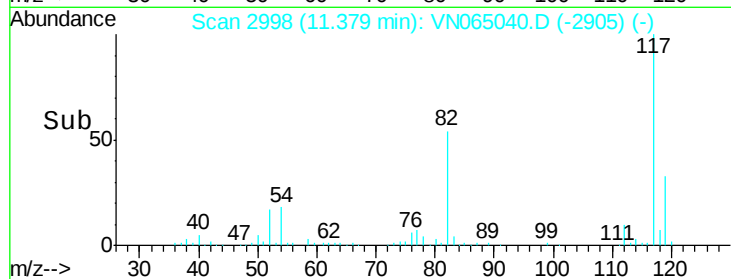
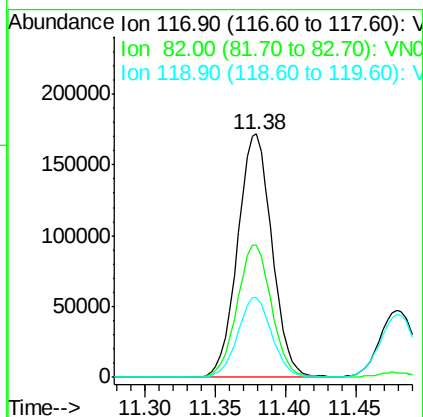
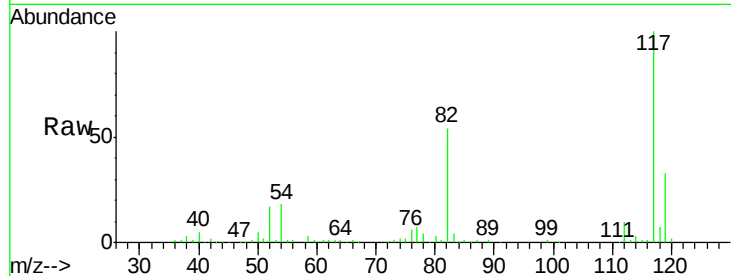
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2998
Delta R.T. 0.00 min
Lab File: VN065040.D
Acq: 10 Dec 2020 11:11

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
117	100	293632		
82	54.4	43.5	65.3	
119	33.0	26.4	39.6	

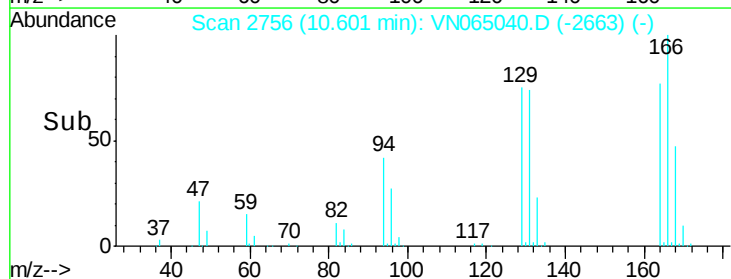
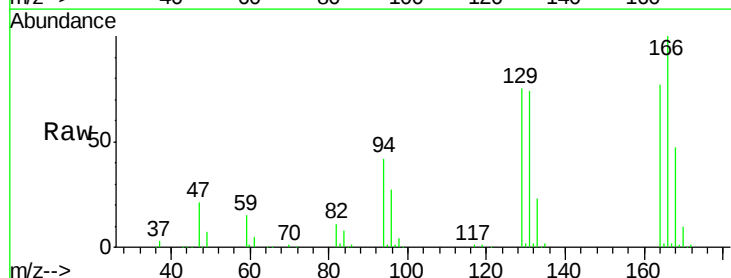
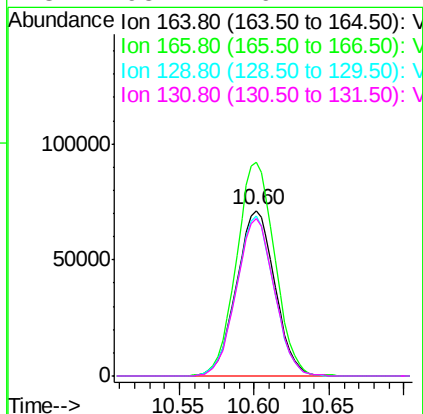
Manual Integrations
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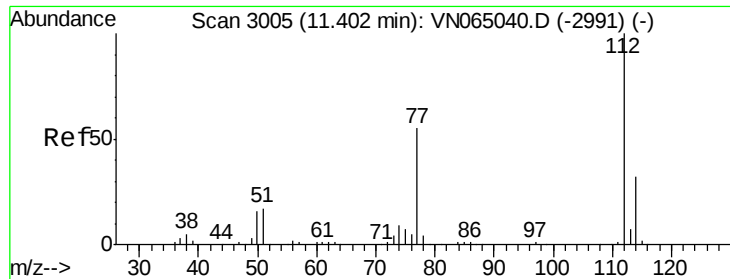
MMDadoda
12/11/2020 12:32:20 PM



#64
Tetrachloroethene
Concen: 45.138 ug/l
RT: 10.60 min Scan# 2756
Delta R.T. 0.00 min
Lab File: VN065040.D
Acq: 10 Dec 2020 11:11

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	127340		
166	129.1	103.3	154.9	
129	96.2	77.0	115.4	
131	95.1	76.1	114.1	





#65

Chlorobenzene

Concen: 48.688 ug/l

RT: 11.40 min Scan# 3005

Delta R.T. 0.00 min

Lab File: VN065040.D

Acq: 10 Dec 2020 11:11

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tot Ion:112 Resp: 307728

Ion Ratio Lower Upper

112 100

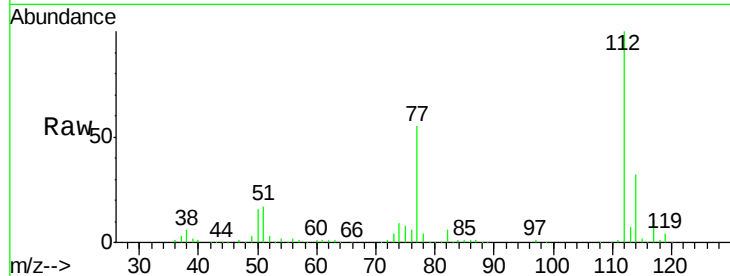
114 32.4 25.9 38.9

Manual Integrations

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Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V

11.40

200000

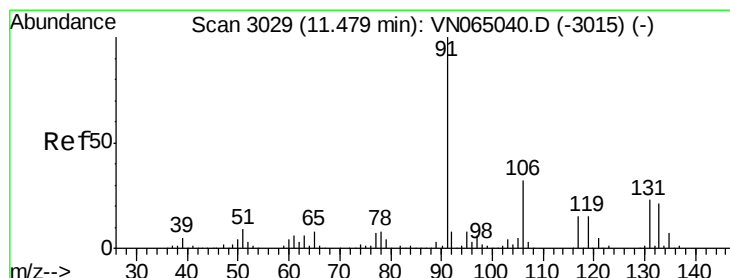
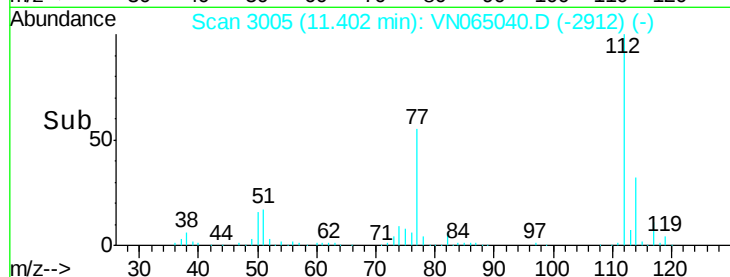
150000

100000

50000

0

Time--> 11.30 11.40 11.50



#66

1,1,1,2-Tetrachloroethane

Concen: 50.671 ug/l

RT: 11.48 min Scan# 3029

Delta R.T. 0.00 min

Lab File: VN065040.D

Acq: 10 Dec 2020 11:11

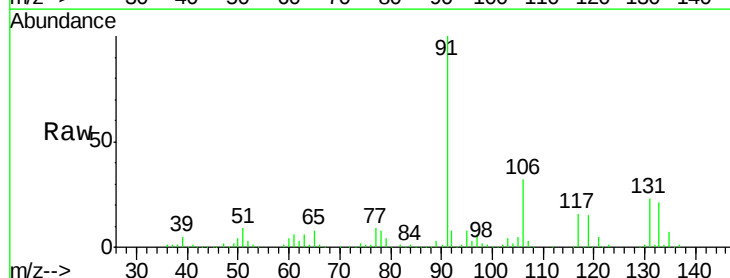
Tgt Ion:131 Resp: 117684

Ion Ratio Lower Upper

131 100

133 97.4 48.7 146.1

119 66.4 33.2 99.6



Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V

11.48

80000

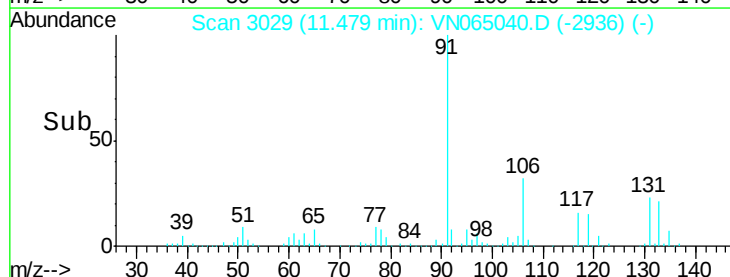
60000

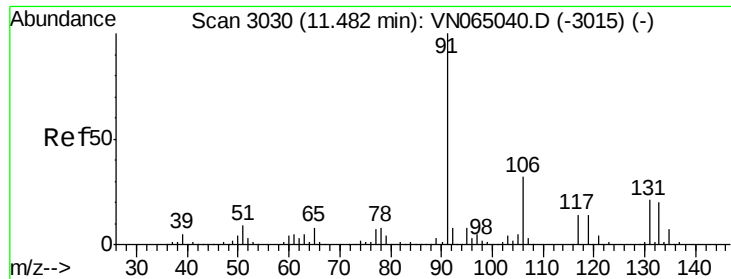
40000

20000

0

Time--> 11.40 11.45 11.50 11.55





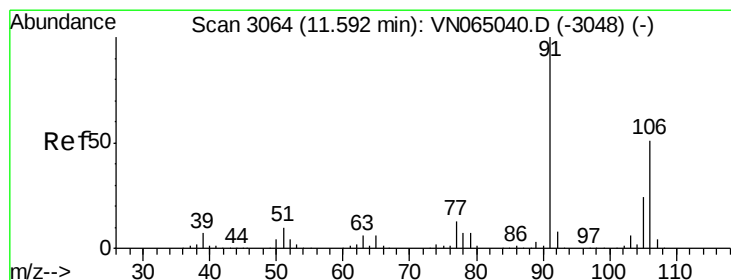
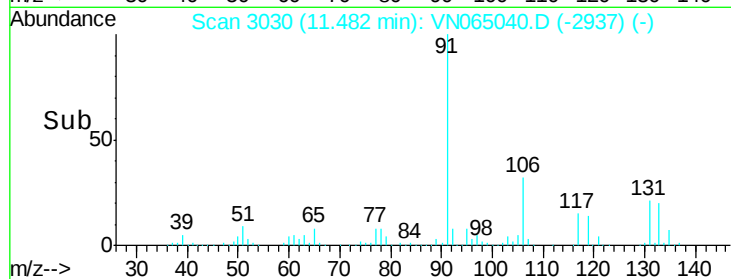
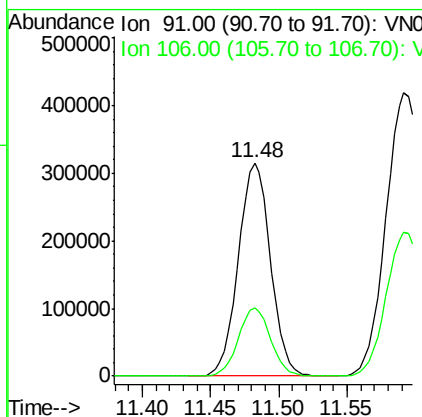
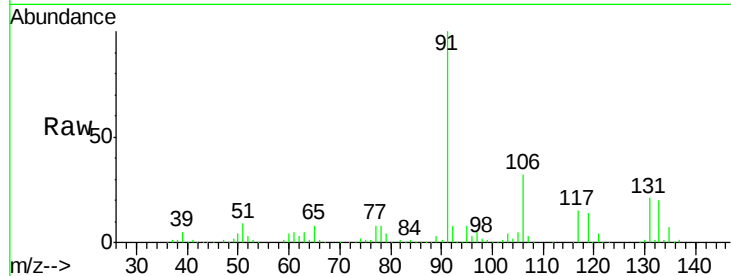
#67
Ethyl Benzene
Concen: 49.327 ug/l
RT: 11.48 min Scan# 3030
Delta R.T. 0.00 min
Lab File: VN065040.D
Acq: 10 Dec 2020 11:11

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion: 91 Resp: 517209
Ion Ratio Lower Upper
91 100
106 32.1 25.7 38.5

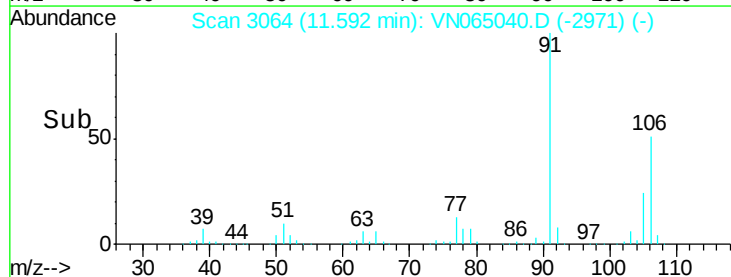
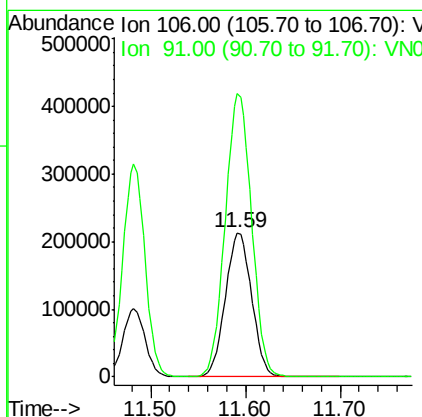
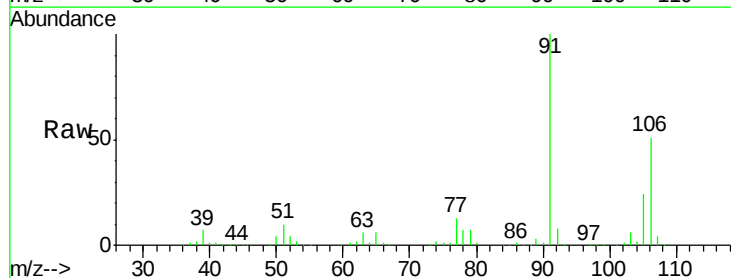
Manual Integrations
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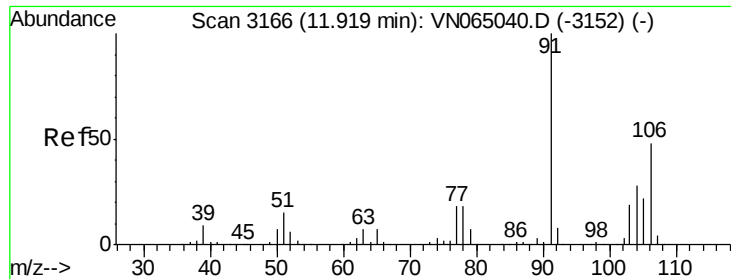
MMDadoda
12/11/2020 12:32:20 PM



#68
m/p-Xylenes
Concen: 102.916 ug/l
RT: 11.59 min Scan# 3064
Delta R.T. 0.00 min
Lab File: VN065040.D
Acq: 10 Dec 2020 11:11

Tgt Ion: 106 Resp: 410943
Ion Ratio Lower Upper
106 100
91 196.3 157.0 235.6





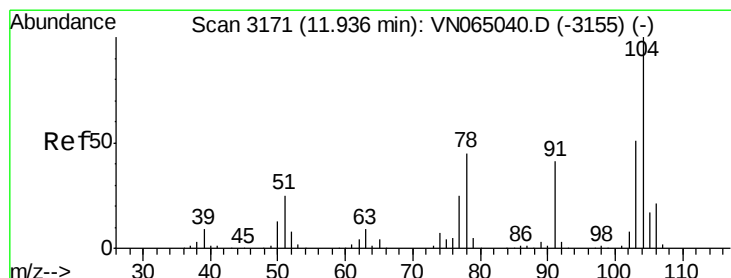
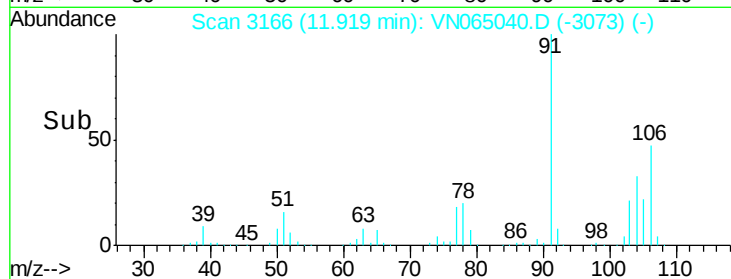
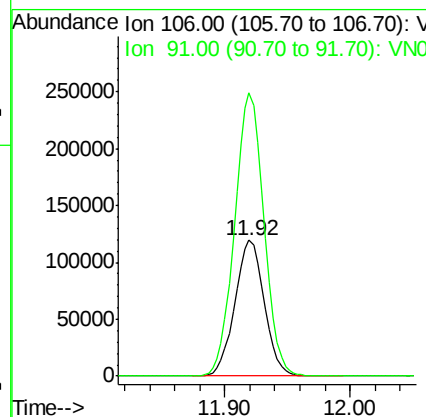
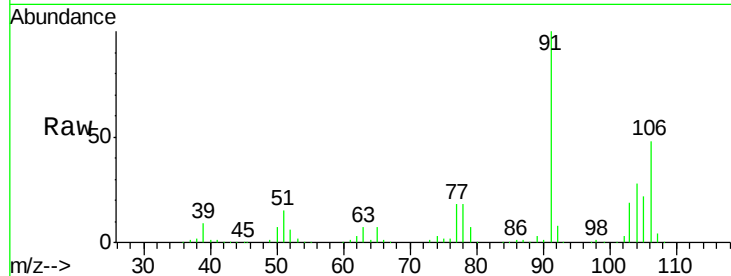
#69
o-Xylene
Concen: 51.268 ug/l
RT: 11.92 min Scan# 3166
Delta R.T. 0.00 min
Lab File: VN065040.D
Acq: 10 Dec 2020 11:11

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion:106 Resp: 193923
Ion Ratio Lower Upper
106 100
91 208.2 104.1 312.3

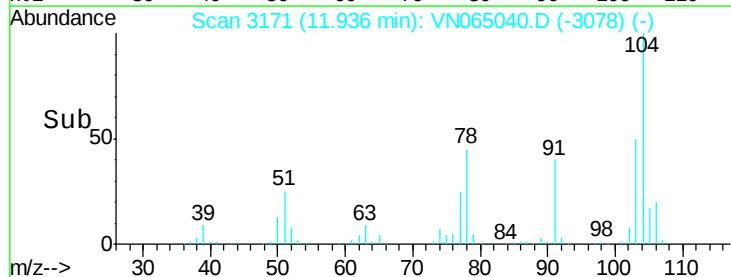
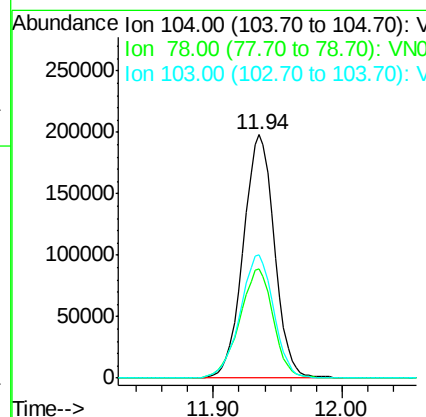
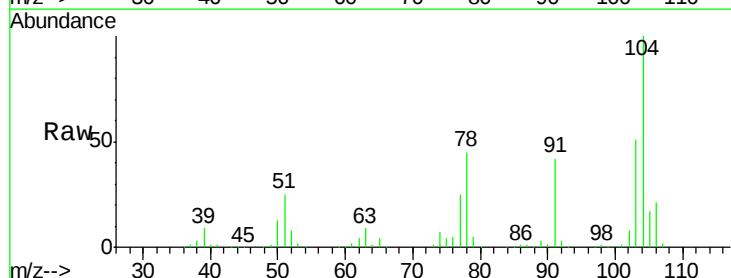
Manual Integrations
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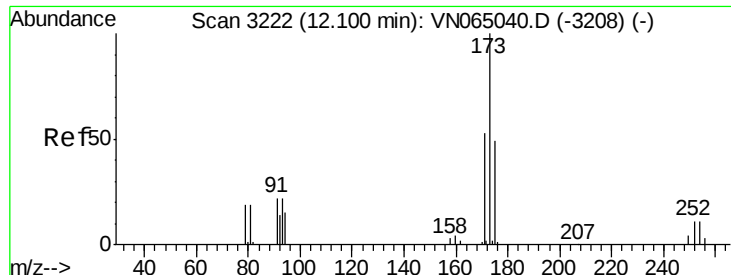
MMDadoda
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#70
Styrene
Concen: 52.123 ug/l
RT: 11.94 min Scan# 3171
Delta R.T. 0.00 min
Lab File: VN065040.D
Acq: 10 Dec 2020 11:11

Tgt Ion:104 Resp: 333040
Ion Ratio Lower Upper
104 100
78 48.4 38.7 58.1
103 54.8 43.8 65.8





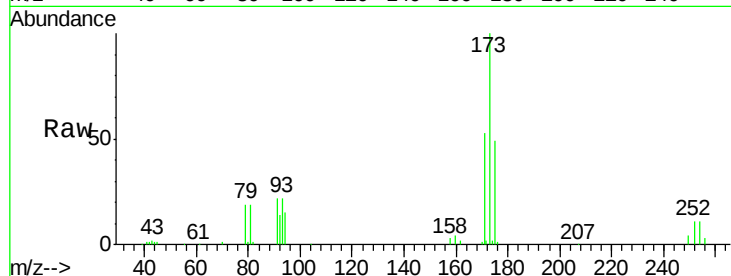
#71
Bromoform
Concen: 48.707 ug/l
RT: 12.10 min Scan# 3222
Delta R.T. 0.00 min
Lab File: VN065040.D
Acq: 10 Dec 2020 11:11

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

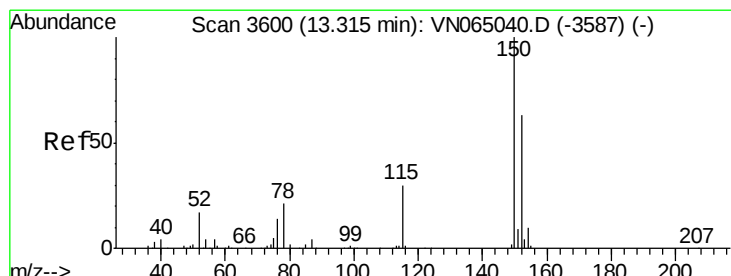
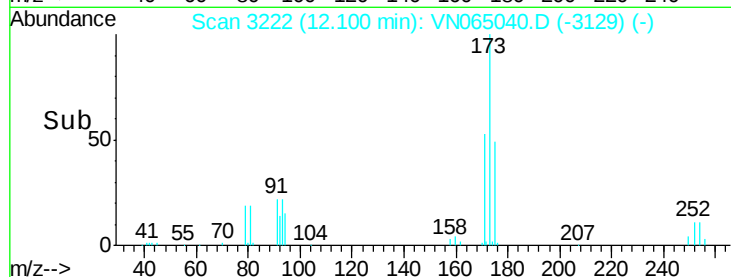
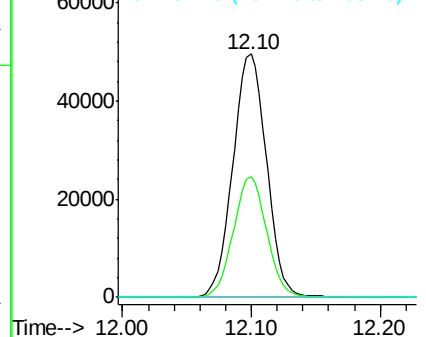
Tot Ion	Ratio	Lower	Upper
173	100		
175	49.0	24.5	73.5
254	0.0	0.0	0.0

Manual Integrations
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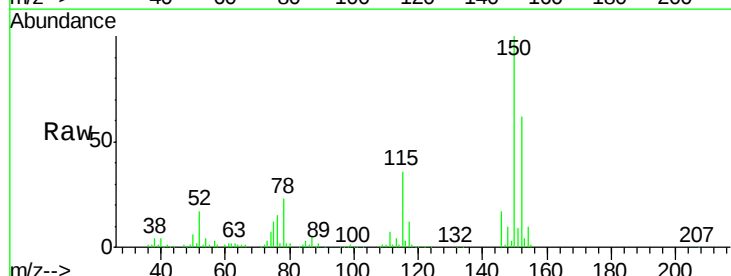


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

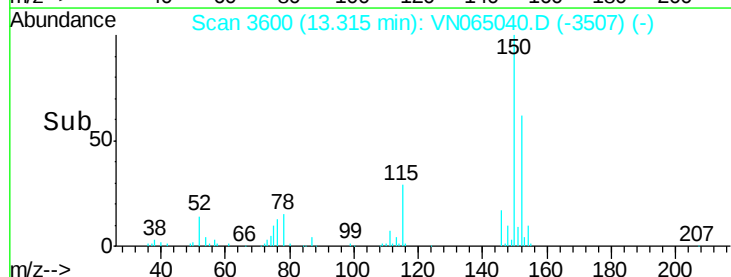
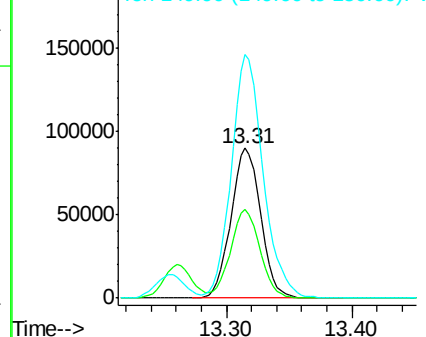


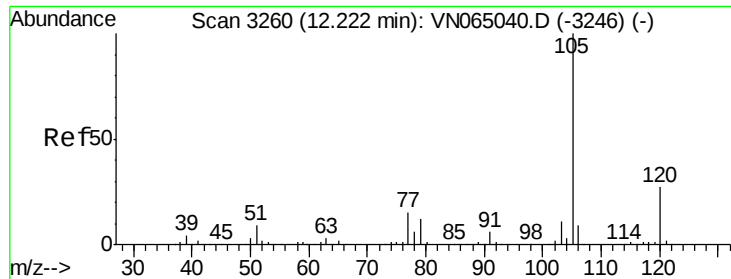
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.31 min Scan# 3600
Delta R.T. 0.00 min
Lab File: VN065040.D
Acq: 10 Dec 2020 11:11

Tgt Ion	Ratio	Lower	Upper
152	100		
115	58.7	29.3	88.0
150	172.9	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: 50.214 ug/l

RT: 12.22 min Scan# 3260

Delta R.T. 0.00 min

Lab File: VN065040.D

Acq: 10 Dec 2020 11:11

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tot Ion: 105 Resp: 512483

Ion Ratio Lower Upper

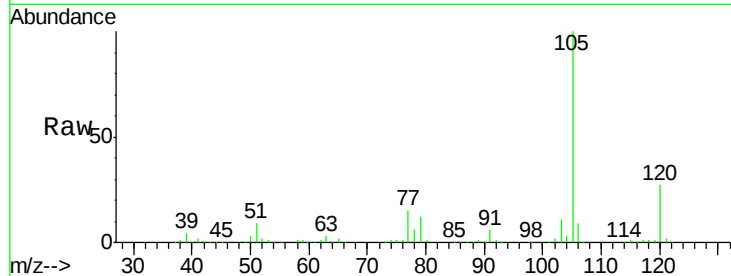
105 100

120 26.8 13.4 40.2

Manual Integrations
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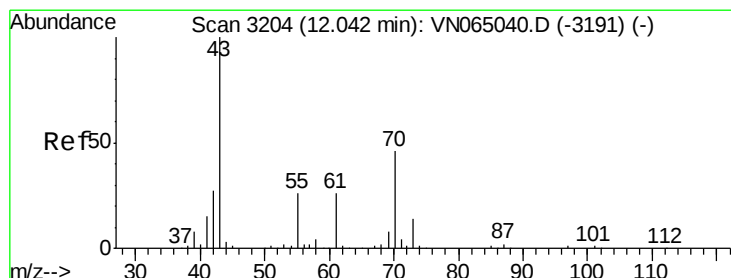
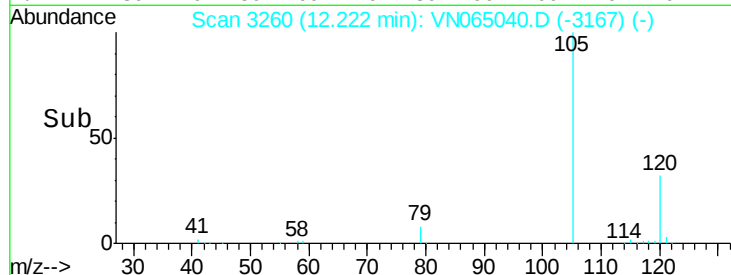
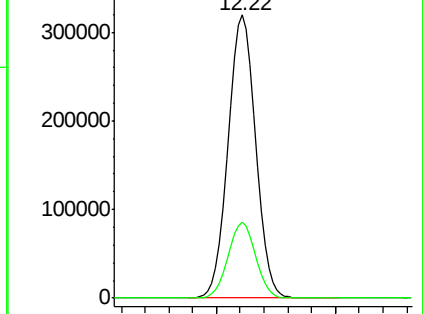
MMDadoda

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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: 46.683 ug/l

RT: 12.04 min Scan# 3204

Delta R.T. 0.00 min

Lab File: VN065040.D

Acq: 10 Dec 2020 11:11

Tgt Ion: 43 Resp: 184237

Ion Ratio Lower Upper

43 100

70 45.2 36.2 54.2

55 26.7 21.4 32.0

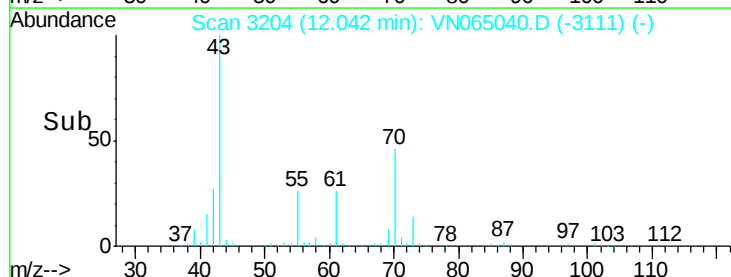
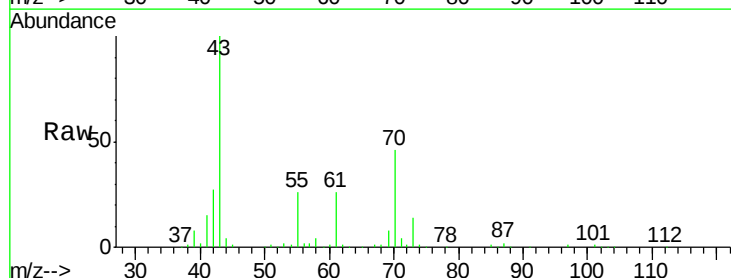
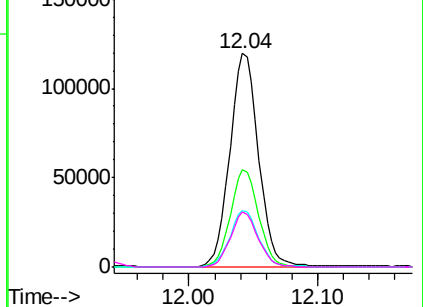
61 24.8 19.8 29.8

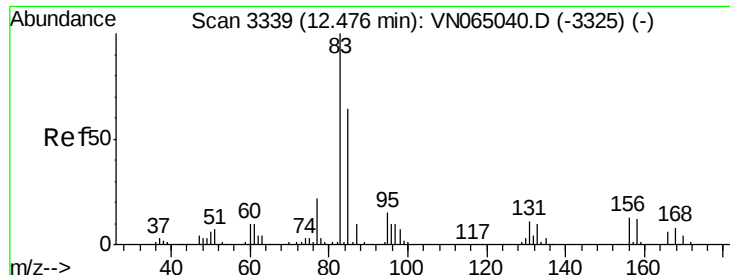
Abundance Ion 43.00 (42.70 to 43.70): V

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: 48.762 ug/l

RT: 12.48 min Scan# 3339

Delta R.T. 0.00 min

Lab File: VN065040.D

Acq: 10 Dec 2020 11:11

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tot Ion: 83 Resp: 146388

Ion Ratio Lower Upper

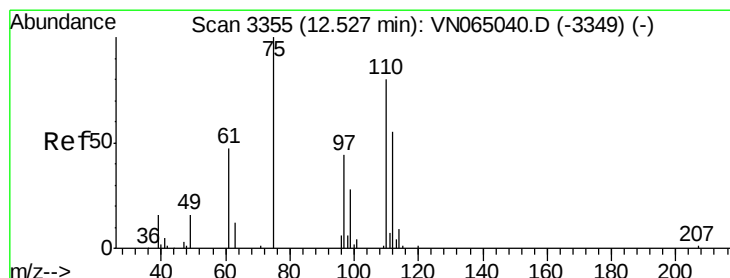
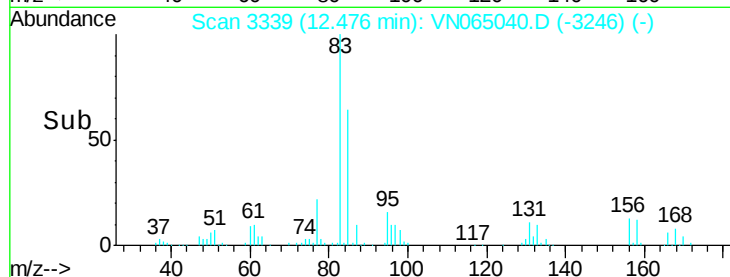
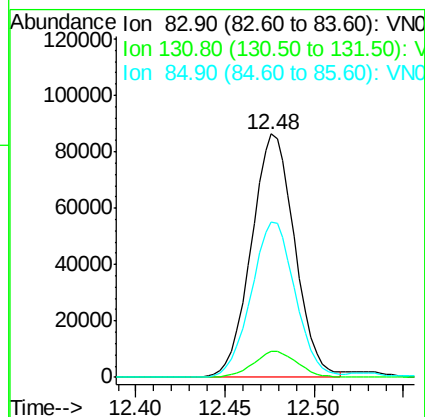
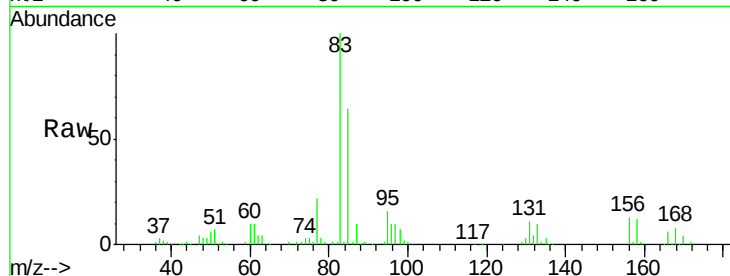
83 100

131 10.9 5.5 16.4

85 64.6 32.3 96.9

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#76

1,2,3-Trichloropropane

Concen: 46.638 ug/l m

RT: 12.53 min Scan# 3355

Delta R.T. 0.00 min

Lab File: VN065040.D

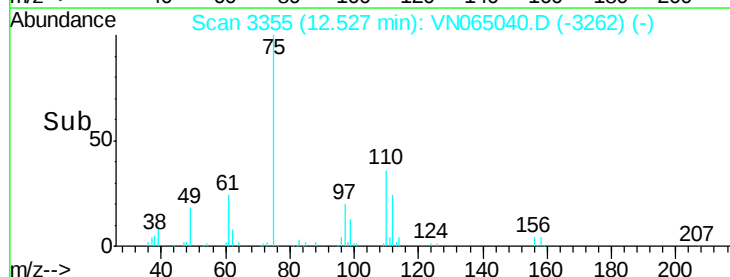
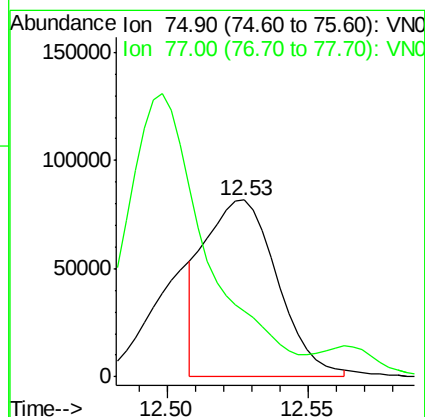
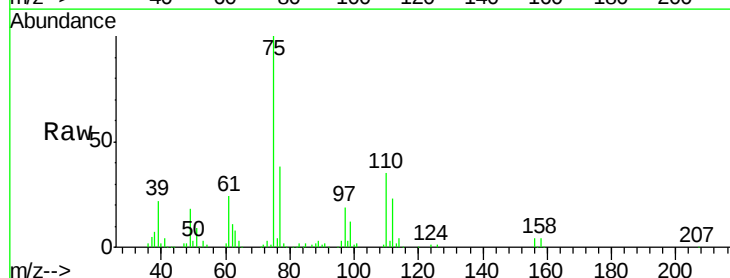
Acq: 10 Dec 2020 11:11

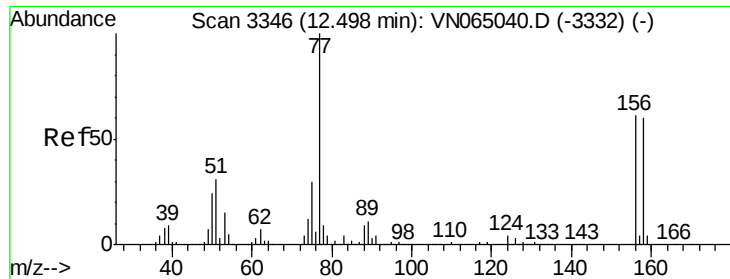
Tgt Ion: 75 Resp: 145724

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0





#77

Bromobenzene

Concen: 48.164 ug/l

RT: 12.50 min Scan# 3346

Delta R.T. 0.00 min

Lab File: VN065040.D

Acq: 10 Dec 2020 11:11

Instrument :

MSVOA_N

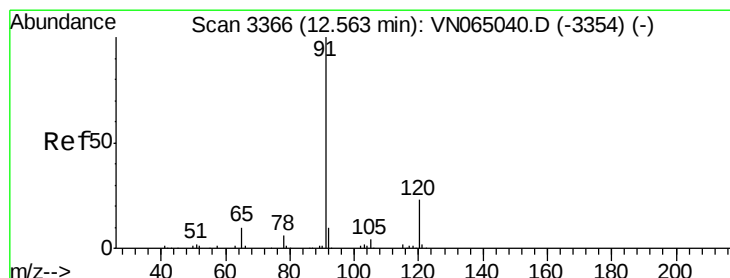
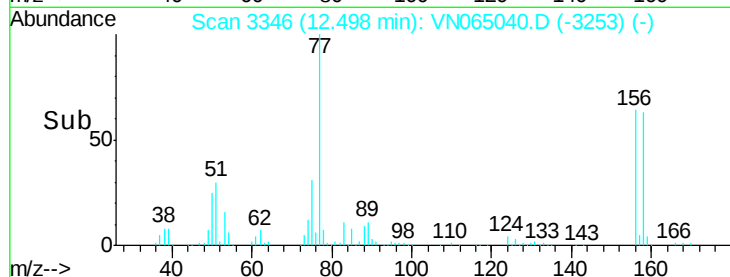
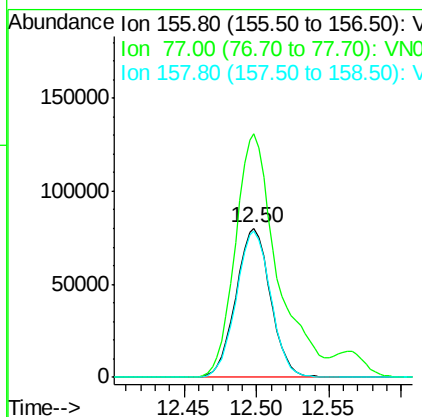
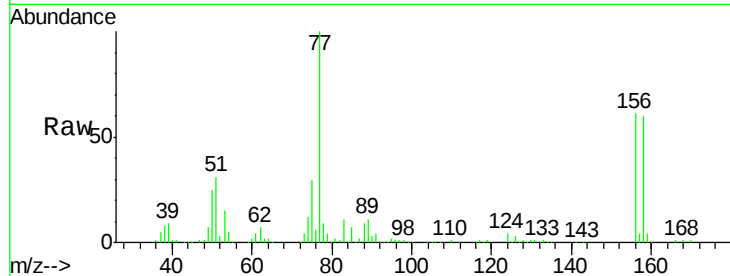
ClientSampleId :

VSTDICCC050

Tot Ion:	156	Resp:	132907
Ion Ratio	Lower	Upper	
156	100		
77	198.5	99.3	297.8
158	98.0	49.0	147.0

Manual Integrations
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#78

n-propylbenzene

Concen: 49.728 ug/l

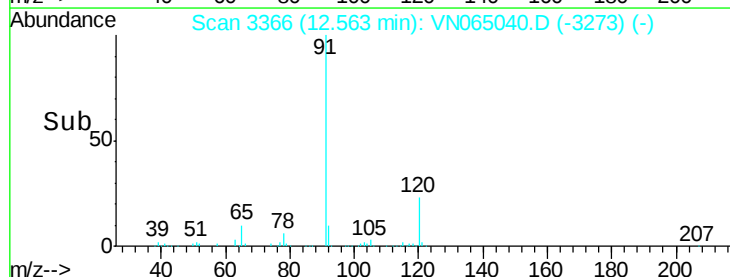
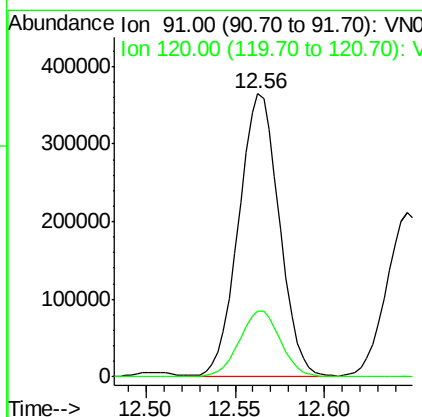
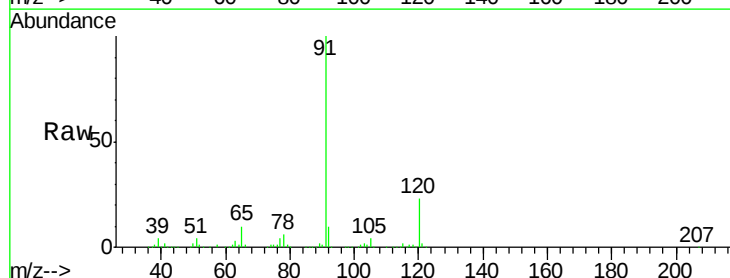
RT: 12.56 min Scan# 3366

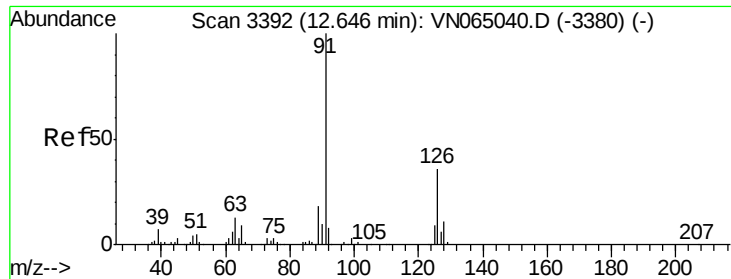
Delta R.T. 0.00 min

Lab File: VN065040.D

Acq: 10 Dec 2020 11:11

Tgt Ion:	91	Resp:	575987
Ion Ratio	Lower	Upper	
91	100		
120	23.9	11.9	35.9





#79

2-Chlorotoluene

Concen: 48.028 ug/l

RT: 12.65 min Scan# 3392

Delta R.T. 0.00 min

Lab File: VN065040.D

Acq: 10 Dec 2020 11:11

Instrument :

MSVOA_N

ClientSampled :

VSTDICCC050

Tot Ion: 91 Resp: 344340

Ion Ratio Lower Upper

91 100

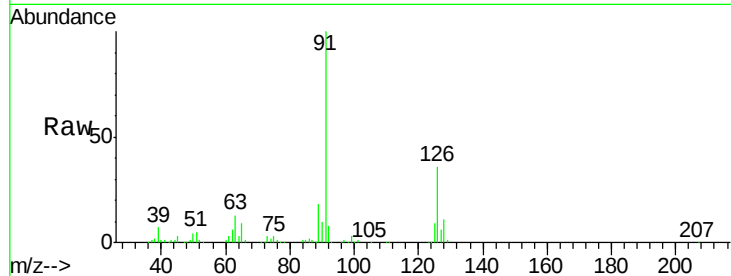
126 35.3 17.6 52.9

Manual Integrations

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Abundance Ion 91.00 (90.70 to 91.70): VN065040.D (-3392) (-)

Ion 125.90 (125.60 to 126.60): VN065040.D (-3392) (-)

300000

250000

200000

150000

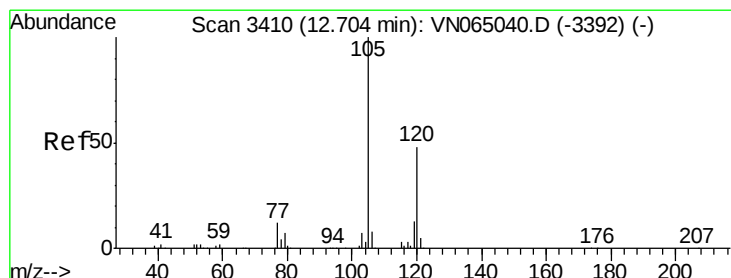
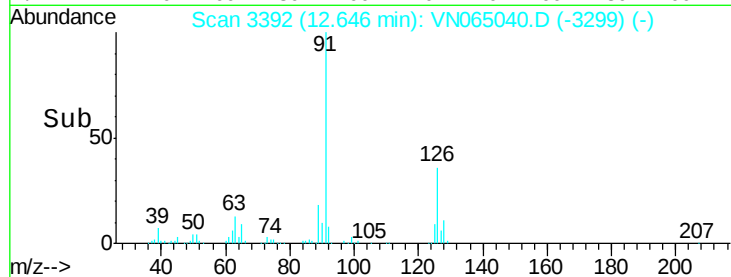
100000

50000

0

12.60 12.65 12.70

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 51.410 ug/l

RT: 12.70 min Scan# 3410

Delta R.T. 0.00 min

Lab File: VN065040.D

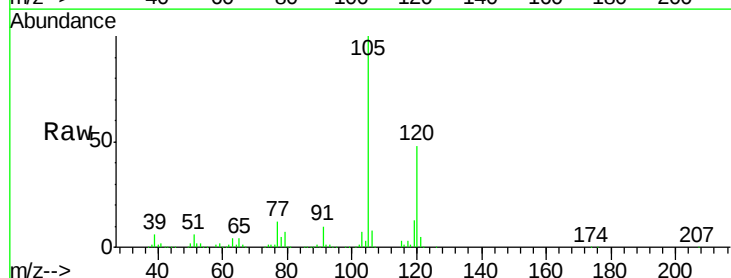
Acq: 10 Dec 2020 11:11

Tgt Ion: 105 Resp: 435818

Ion Ratio Lower Upper

105 100

120 49.0 24.5 73.5



Abundance Ion 105.00 (104.70 to 105.70): VN065040.D (-3410) (-)

Ion 120.00 (119.70 to 120.70): VN065040.D (-3410) (-)

300000

250000

200000

150000

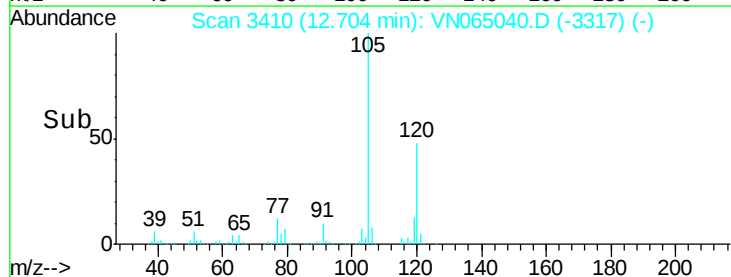
100000

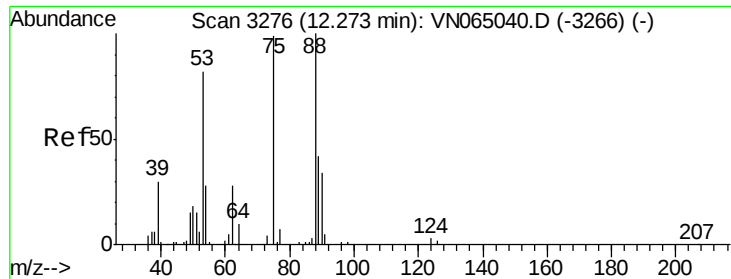
50000

0

12.60 12.70 12.80

Time-->





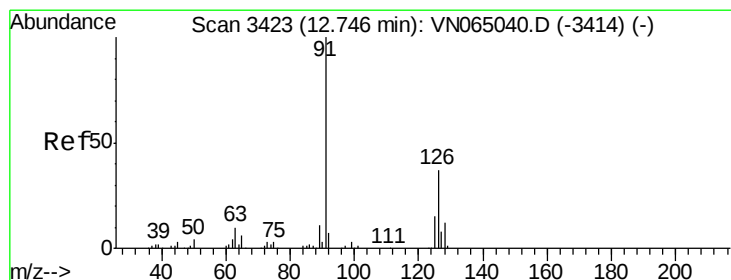
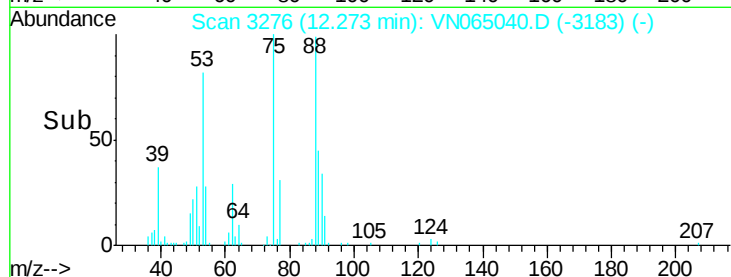
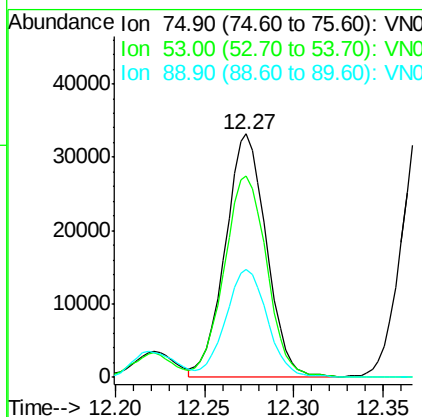
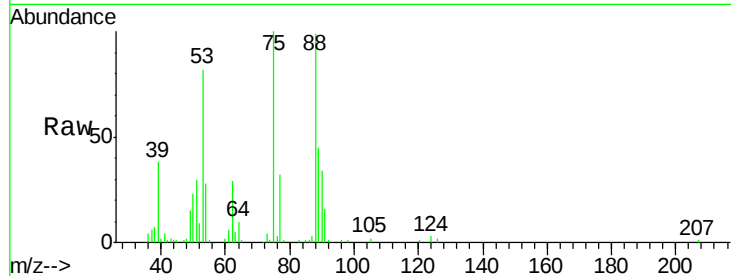
#81
trans-1,4-Dichloro-2-butene
Concen: 47.228 ug/l
RT: 12.27 min Scan# 3276
Delta R.T. 0.00 min
Lab File: VN065040.D
Acq: 10 Dec 2020 11:11

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
75	100		
53	85.8	68.6	103.0
89	45.3	36.2	54.4

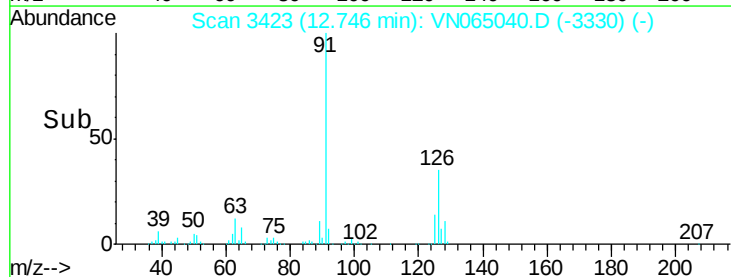
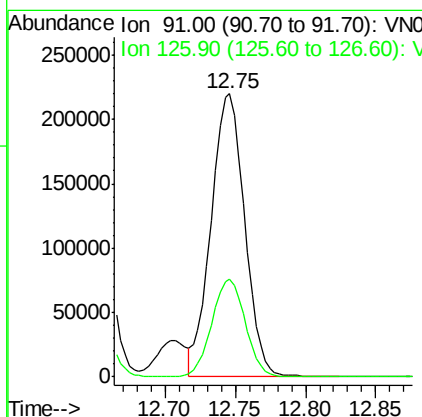
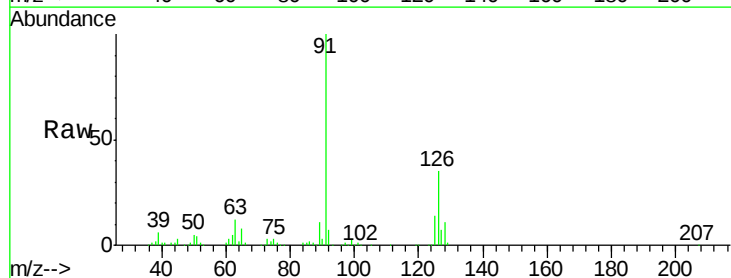
Manual Integrations
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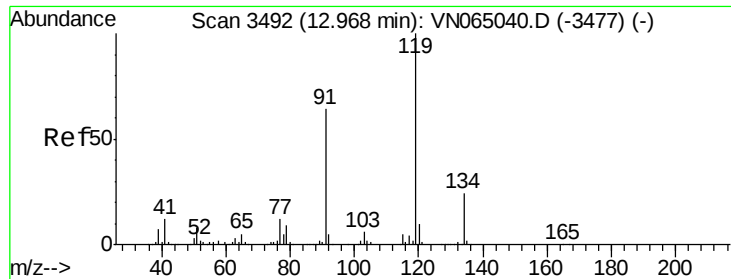
MMDadoda
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#82
4-Chlorotoluene
Concen: 48.169 ug/l
RT: 12.75 min Scan# 3423
Delta R.T. 0.00 min
Lab File: VN065040.D
Acq: 10 Dec 2020 11:11

Tgt Ion	Ratio	Lower	Upper
91	100		
126	34.7	17.3	52.0





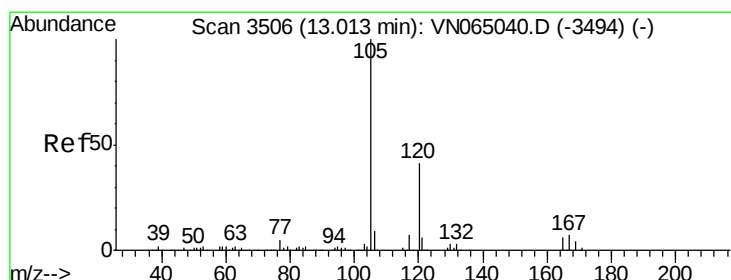
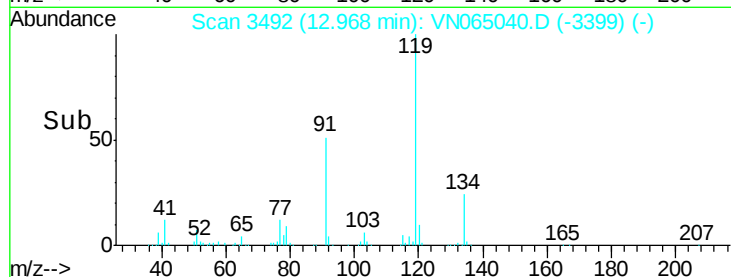
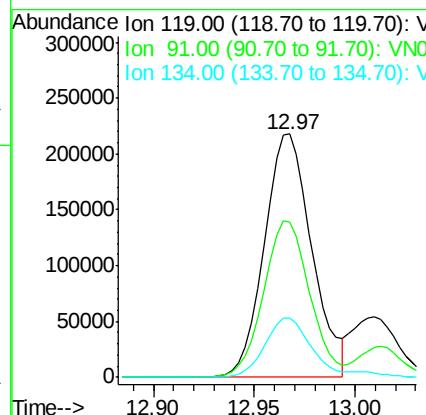
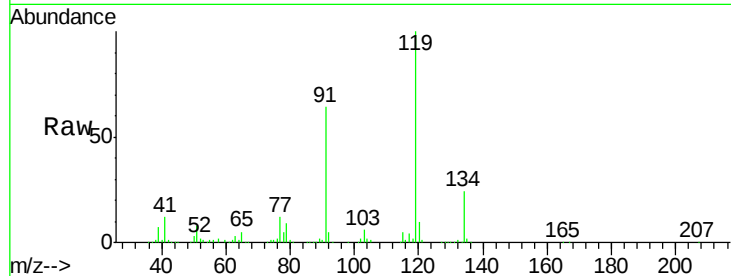
#83
tert-Butylbenzene
Concen: 50.253 ug/l
RT: 12.97 min Scan# 3492
Delta R.T. 0.00 min
Lab File: VN065040.D
Acq: 10 Dec 2020 11:11

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
119	100	357180		
91	62.3		31.1	93.5
134	25.1		12.6	37.6

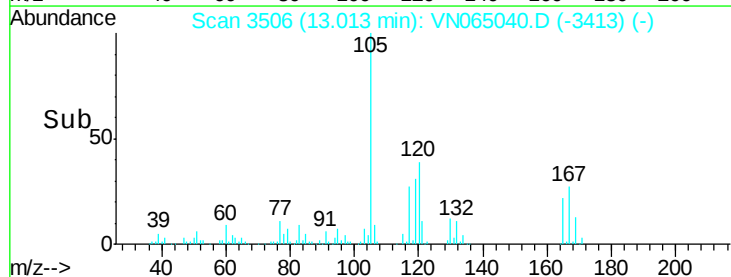
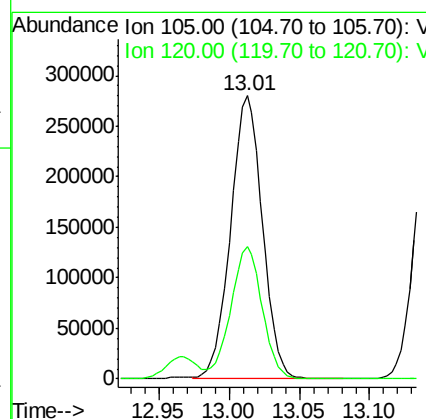
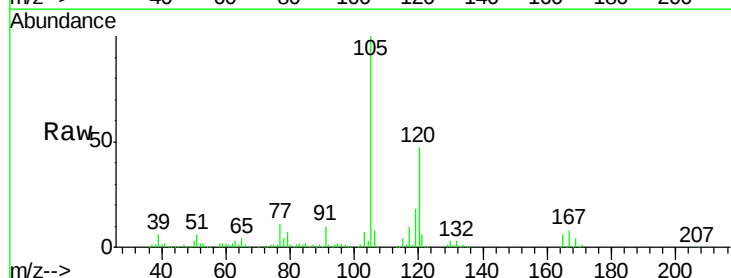
Manual Integrations
APPROVED

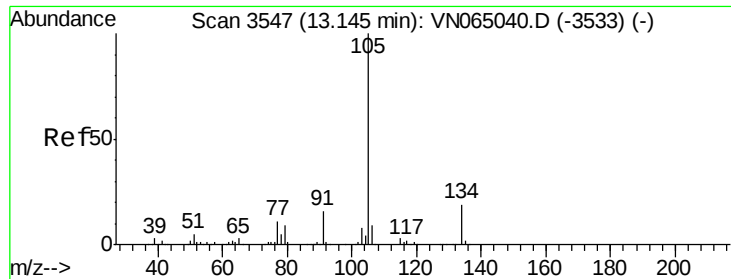
MMDadoda
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#84
1,2,4-Trimethylbenzene
Concen: 51.343 ug/l
RT: 13.01 min Scan# 3506
Delta R.T. 0.00 min
Lab File: VN065040.D
Acq: 10 Dec 2020 11:11

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	441066		
120	46.1		23.1	69.2





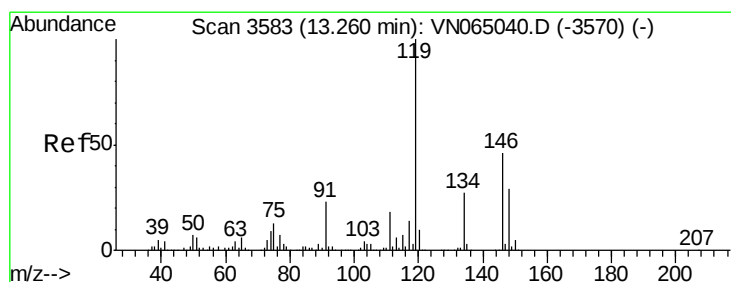
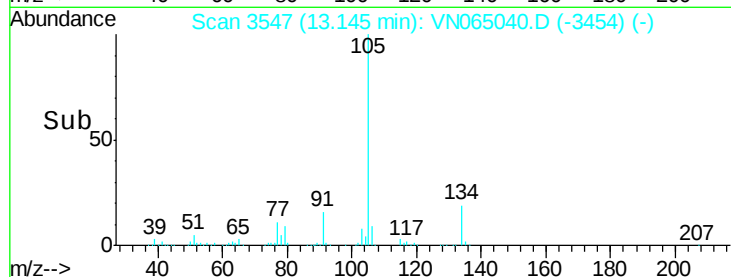
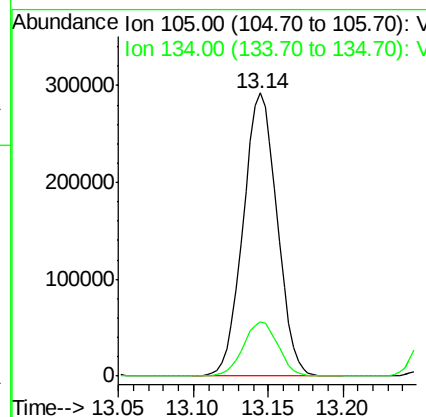
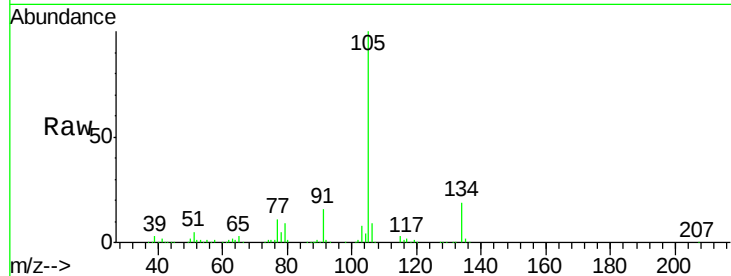
#85
 sec-Butylbenzene
 Concen: 49.214 ug/l
 RT: 13.14 min Scan# 3547
 Delta R.T. 0.00 min
 Lab File: VN065040.D
 Acq: 10 Dec 2020 11:11

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
105	100	461911		
134	19.7	9.8	29.5	

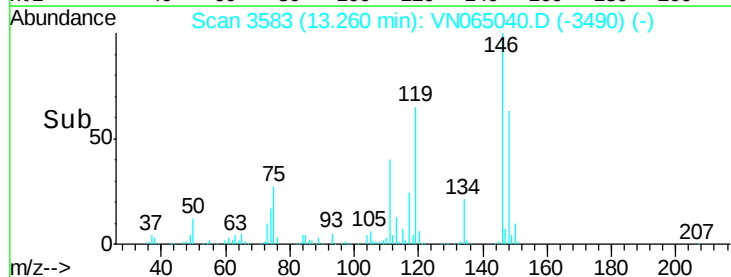
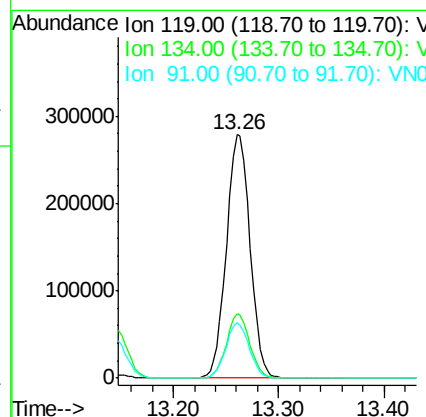
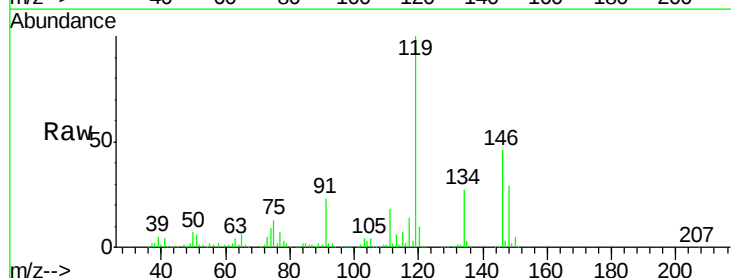
Manual Integrations
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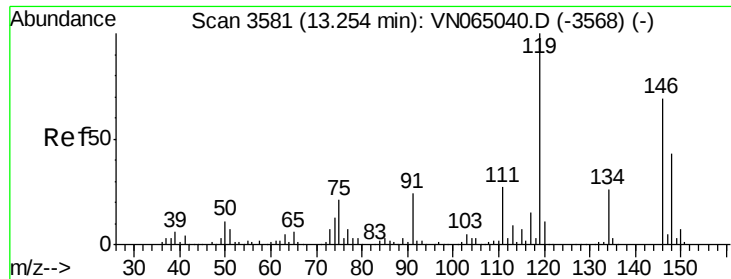
MMDadoda
 12/11/2020 12:32:20 PM



#86
 p-Isopropyltoluene
 Concen: 50.547 ug/l
 RT: 13.26 min Scan# 3583
 Delta R.T. 0.00 min
 Lab File: VN065040.D
 Acq: 10 Dec 2020 11:11

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	431902		
134	25.9	13.0	38.9	
91	22.9	11.5	34.4	





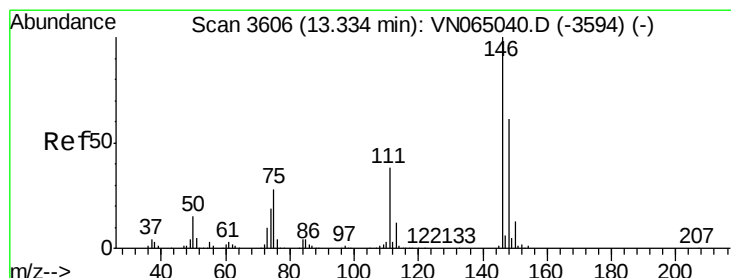
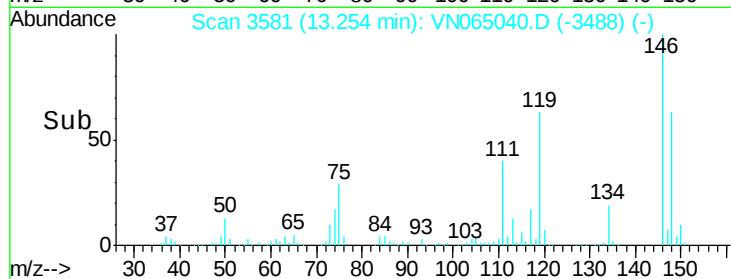
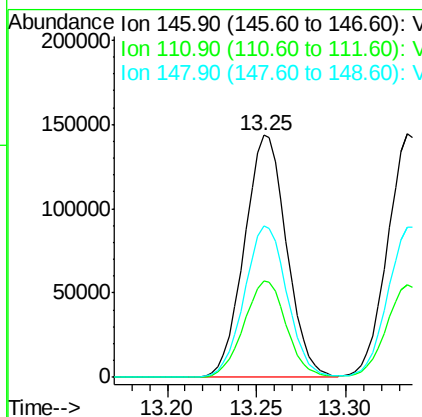
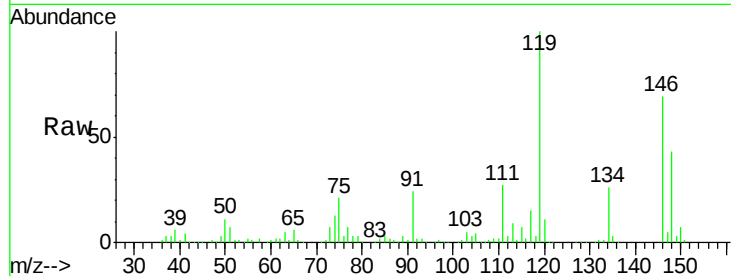
#87
 1,3-Dichlorobenzene
 Concen: 48.441 ug/l
 RT: 13.25 min Scan# 3581
 Delta R.T. 0.00 min
 Lab File: VN065040.D
 Acq: 10 Dec 2020 11:11

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.9	20.0	59.9
148	63.1	31.6	94.7

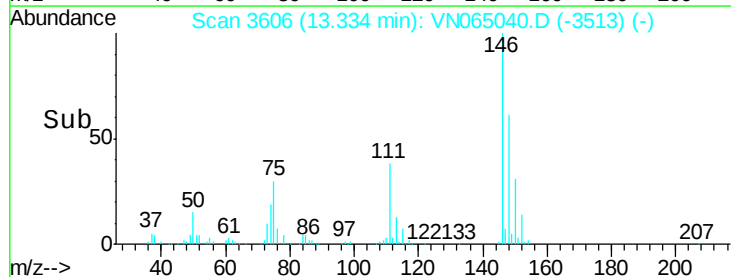
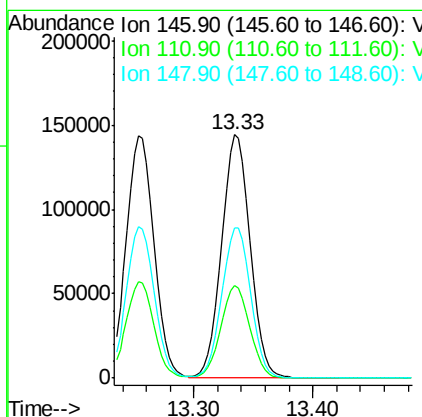
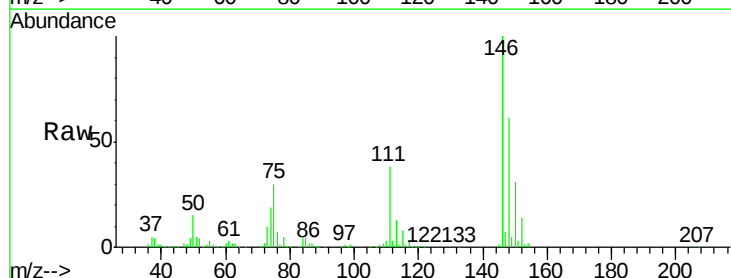
Manual Integrations
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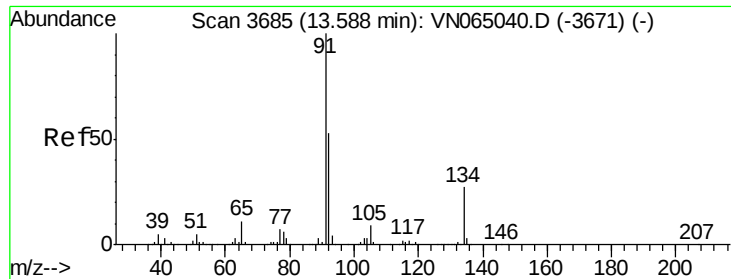
MMDadoda
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#88
 1,4-Dichlorobenzene
 Concen: 46.238 ug/l
 RT: 13.33 min Scan# 3606
 Delta R.T. 0.00 min
 Lab File: VN065040.D
 Acq: 10 Dec 2020 11:11

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.4	19.2	57.6
148	62.2	31.1	93.3





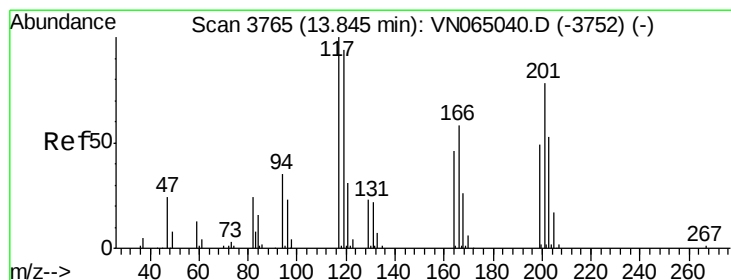
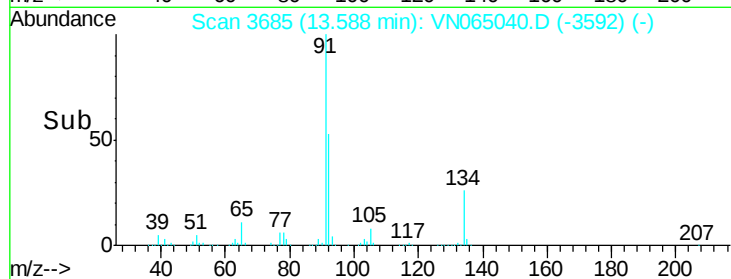
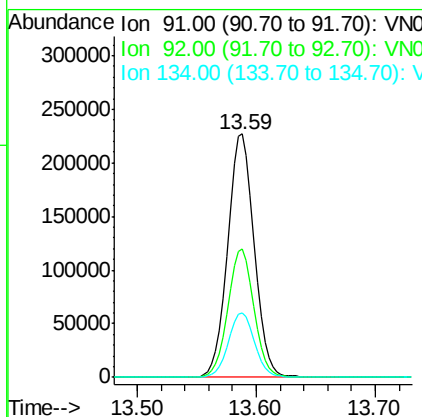
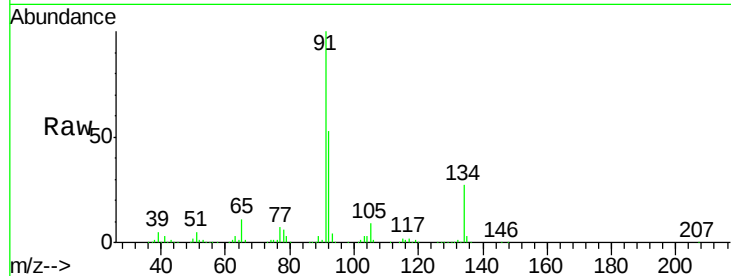
#89
n-Butylbenzene
Concen: 46.932 ug/l
RT: 13.59 min Scan# 3685
Delta R.T. 0.00 min
Lab File: VN065040.D
Acq: 10 Dec 2020 11:11

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	51.9	25.9	77.8
134	26.4	13.2	39.6

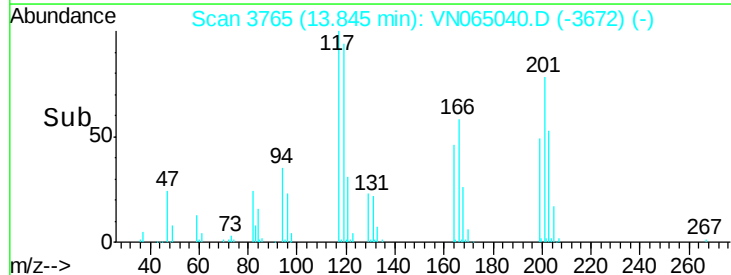
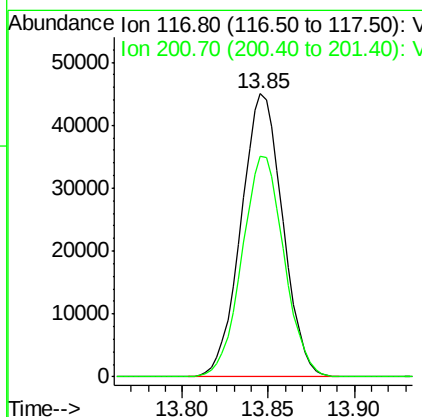
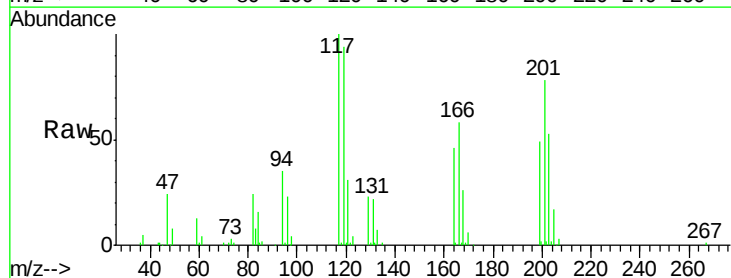
Manual Integrations
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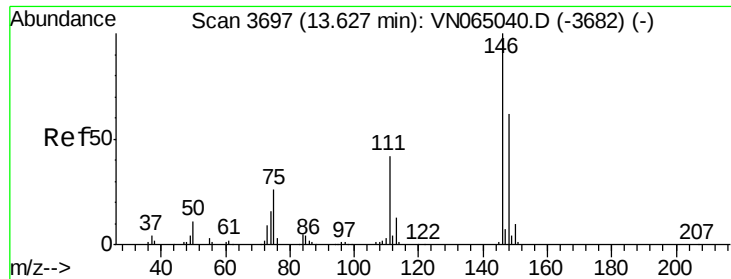
MMDadoda
12/11/2020 12:32:20 PM



#90
Hexachloroethane
Concen: 50.614 ug/l
RT: 13.85 min Scan# 3765
Delta R.T. 0.00 min
Lab File: VN065040.D
Acq: 10 Dec 2020 11:11

Tgt Ion	Ratio	Lower	Upper
117	100		
201	78.9	39.5	118.3





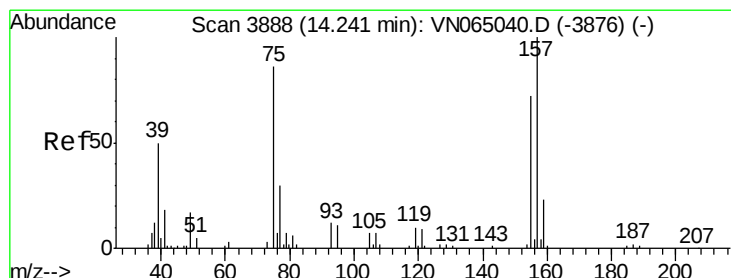
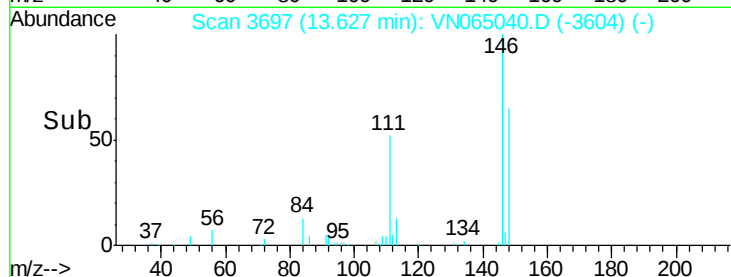
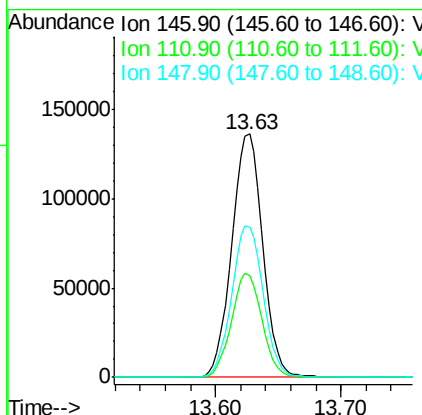
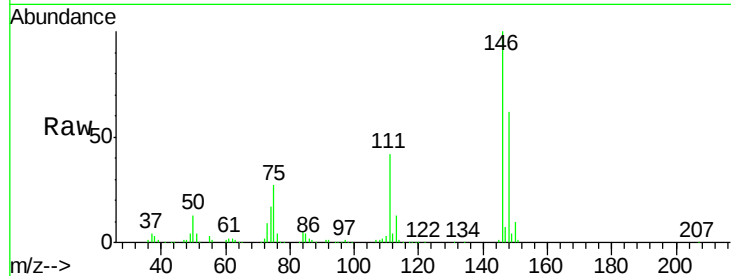
#91
 1,2-Dichlorobenzene
 Concen: 48.447 ug/l
 RT: 13.63 min Scan# 3697
 Delta R.T. 0.00 min
 Lab File: VN065040.D
 Acq: 10 Dec 2020 11:11

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
146	100	233387		
111	42.1		21.1	63.1
148	63.4		31.7	95.1

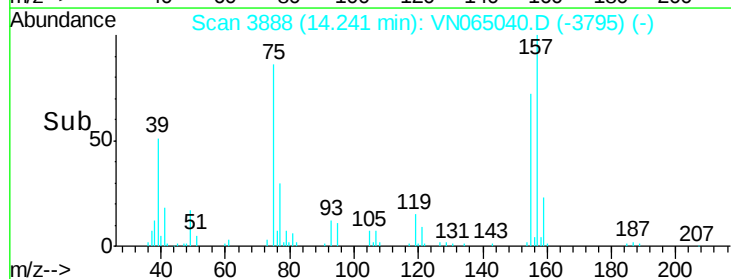
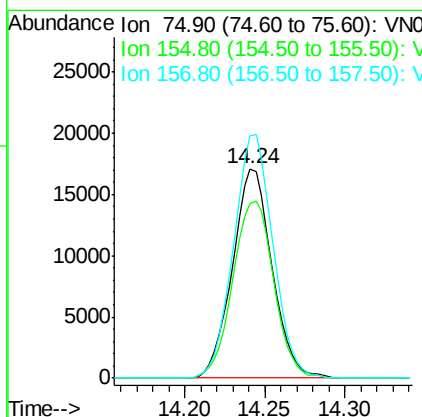
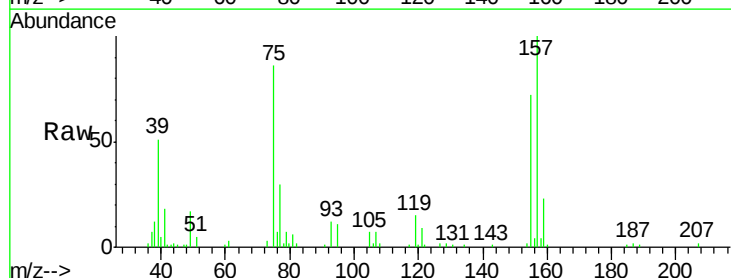
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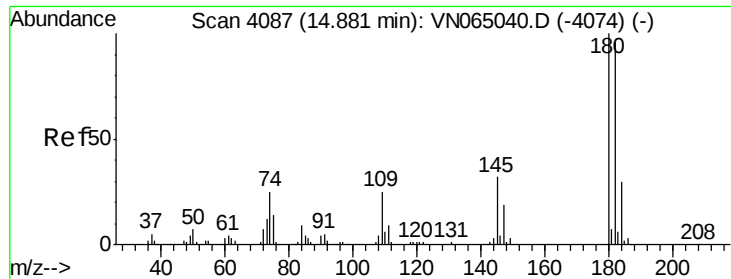
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 43.486 ug/l
 RT: 14.24 min Scan# 3888
 Delta R.T. 0.00 min
 Lab File: VN065040.D
 Acq: 10 Dec 2020 11:11

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	28744		
155	87.6		43.8	131.4
157	116.2		58.1	174.3





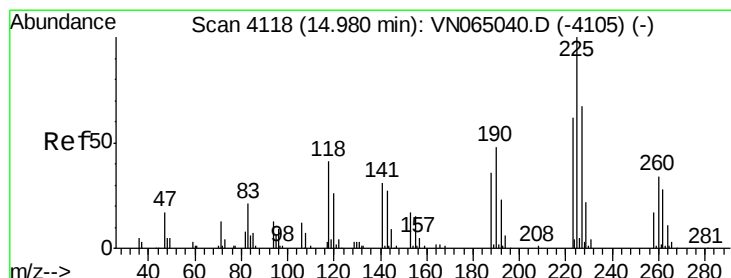
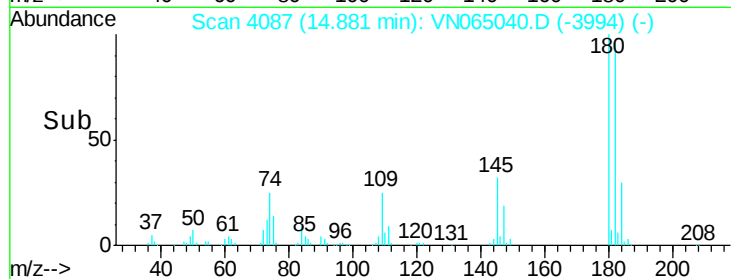
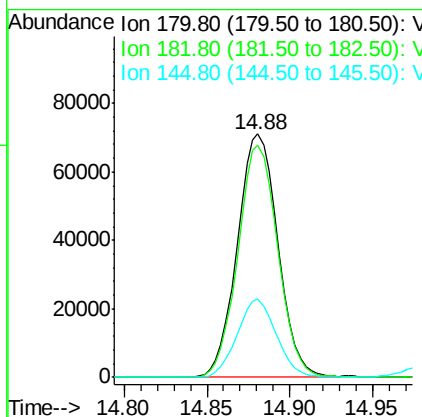
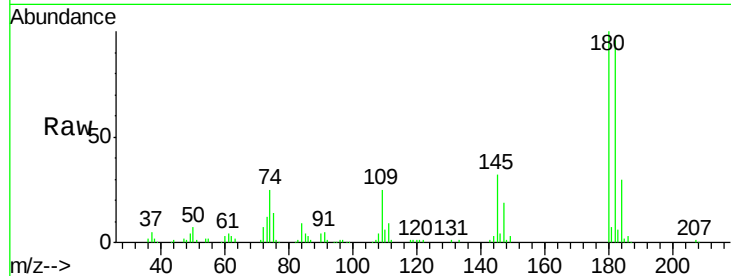
#93
1,2,4-Trichlorobenzene
Concen: 41.535 ug/l
RT: 14.88 min Scan# 4087
Delta R.T. 0.00 min
Lab File: VN065040.D
Acq: 10 Dec 2020 11:11

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100	121031		
182	94.1	47.0	141.2	
145	30.9	15.4	46.4	

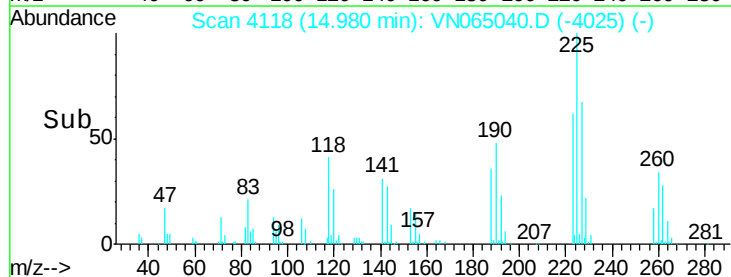
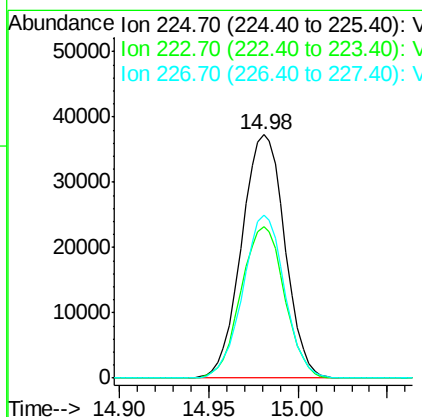
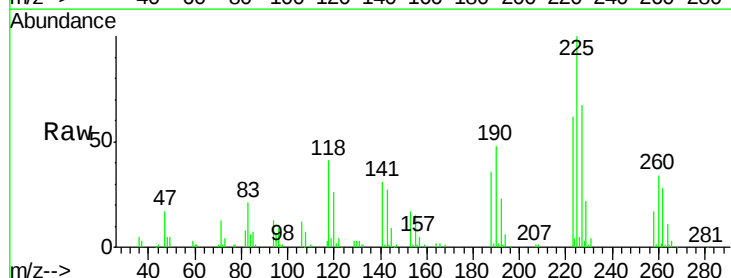
Manual Integrations
APPROVED

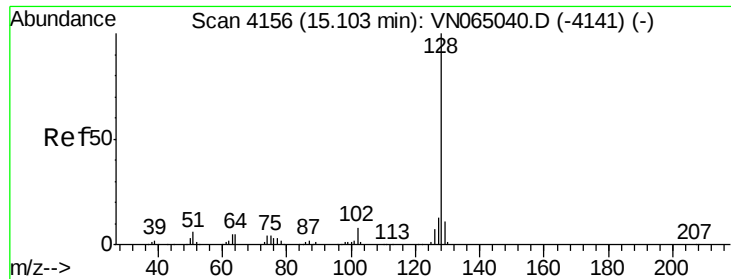
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#94
Hexachlorobutadiene
Concen: 42.482 ug/l
RT: 14.98 min Scan# 4118
Delta R.T. 0.00 min
Lab File: VN065040.D
Acq: 10 Dec 2020 11:11

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	63113		
223	62.7	31.4	94.0	
227	64.5	32.3	96.8	





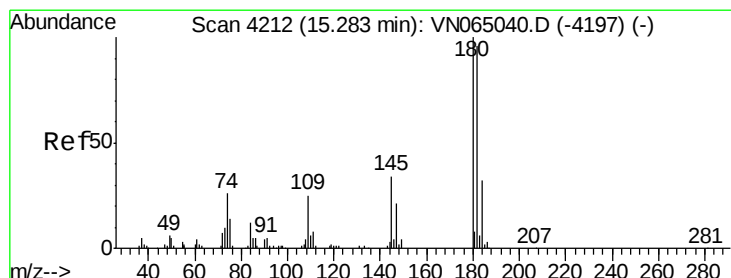
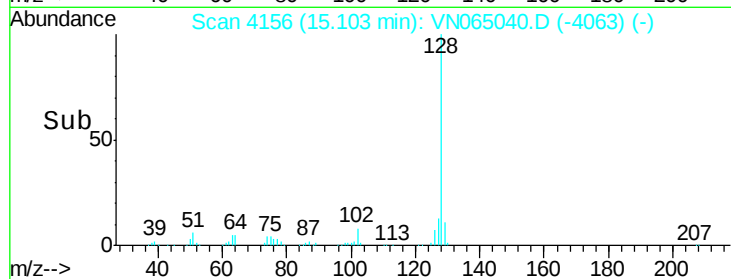
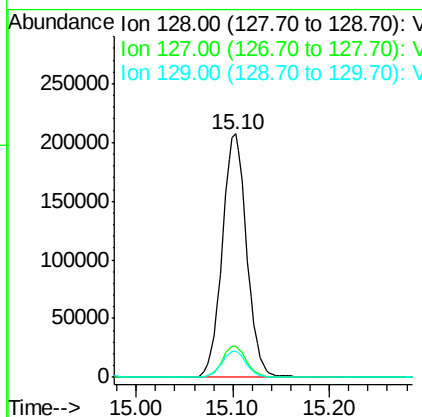
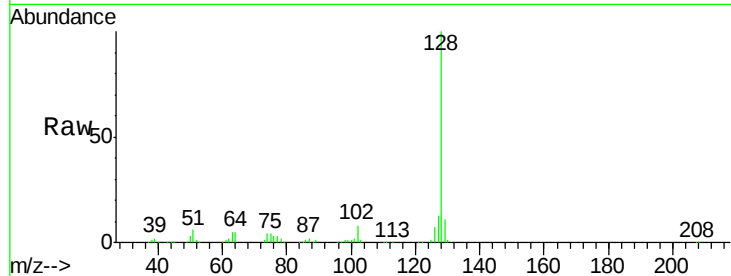
#95
Naphthalene
Concen: 41.846 ug/l
RT: 15.10 min Scan# 4156
Delta R.T. 0.00 min
Lab File: VN065040.D
Acq: 10 Dec 2020 11:11

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.7	10.2	15.2
129	10.6	8.5	12.7

Manual Integrations
APPROVED

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#96
1,2,3-Trichlorobenzene
Concen: 40.686 ug/l
RT: 15.28 min Scan# 4212
Delta R.T. 0.00 min
Lab File: VN065040.D
Acq: 10 Dec 2020 11:11

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.6	48.3	144.9
145	32.4	16.2	48.6

