

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN121020\
 Data File : VN065046.D
 Acq On : 10 Dec 2020 16:14
 Operator : JC/MD
 Sample : VSTDICV050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN121020

Manual Integrations
 APPROVED

MMDadoda
 12/11/2020 12:32:40 PM

Quant Time: Dec 11 03:55:45 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N121020W.M
 Quant Title : SW846 8260
 QLast Update : Thu Dec 10 16:04:22 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.62	168	215632	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.54	114	324473	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	296229	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	150683	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.98	65	114912	44.76	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	89.52%
35) Dibromofluoromethane	7.54	113	102782	47.88	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	95.76%
50) Toluene-d8	10.05	98	399022	48.45	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	96.90%
62) 4-Bromofluorobenzene	12.37	95	137682	48.78	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	97.56%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	66442	48.665	ug/l	98
3) Chloromethane	2.04	50	86687	47.037	ug/l	99
4) Vinyl Chloride	2.17	62	97218	48.306	ug/l	98
5) Bromomethane	2.53	94	67634	49.522	ug/l	99
6) Chloroethane	2.67	64	64018	47.656	ug/l	99
7) Trichlorofluoromethane	2.99	101	150111	47.089	ug/l	94
8) Diethyl Ether	3.37	74	59321	46.863	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.71	101	93196	46.933	ug/l	96
10) Methyl Iodide	3.90	142	113434	47.216	ug/l	99
11) Tert butyl alcohol	4.74	59	69665	224.031	ug/l	98
12) 1,1-Dichloroethene	3.69	96	87744	47.195	ug/l	95
13) Acrolein	3.56	56	40033	159.187	ug/l	100
14) Allyl chloride	4.27	41	143519	47.635	ug/l	99
15) Acrylonitrile	4.93	53	220014	225.098	ug/l	100
16) Acetone	3.77	43	222350	244.182	ug/l	100
17) Carbon Disulfide	4.00	76	198779	46.794	ug/l	99
18) Methyl Acetate	4.27	43	104614	45.588	ug/l	100
19) Methyl tert-butyl Ether	4.98	73	300394	47.932	ug/l	97
20) Methylene Chloride	4.50	84	105792	45.605	ug/l	97
21) trans-1,2-Dichloroethene	4.98	96	96025	47.308	ug/l	97
22) Diisopropyl ether	5.90	45	316967	48.257	ug/l	99
23) Vinyl Acetate	5.84	43	1217907	239.918	ug/l	100
24) 1,1-Dichloroethane	5.79	63	184082	47.314	ug/l	99
25) 2-Butanone	6.78	43	290033	230.966	ug/l	98
26) 2,2-Dichloropropane	6.77	77	161617	48.477	ug/l	100
27) cis-1,2-Dichloroethene	6.78	96	114972	46.912	ug/l	99
28) Bromochloromethane	7.14	49	81686	44.172	ug/l	98
29) Tetrahydrofuran	7.16	42	178255	226.120	ug/l	98
30) Chloroform	7.32	83	191759	47.688	ug/l	100
31) Cyclohexane	7.61	56	137163	47.747	ug/l	99
32) 1,1,1-Trichloroethane	7.52	97	164486	47.754	ug/l	100
36) 1,1-Dichloropropene	7.75	75	137880	49.822	ug/l	100
37) Ethyl Acetate	6.87	43	115786	46.013	ug/l	99
38) Carbon Tetrachloride	7.73	117	144044	48.990	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.04	83	135192	49.704	ug/l	99
40) Benzene	8.00	78	417579	48.716	ug/l	100
41) Methacrylonitrile	7.12	41	58350	44.627	ug/l #	89
42) 1,2-Dichloroethane	8.08	62	138061	47.501	ug/l	98
43) Isopropyl Acetate	8.12	43	195301	46.691	ug/l	99
44) Trichloroethene	8.80	130	120051	50.144	ug/l	98
45) 1,2-Dichloropropane	9.08	63	114551	49.402	ug/l	98
46) Dibromomethane	9.17	93	72770	48.445	ug/l	99
47) Bromodichloromethane	9.37	83	150789	49.008	ug/l	100
48) Methyl methacrylate	9.16	41	97613	49.159	ug/l	99
49) 1,4-Dioxane	9.16	88	33047	921.751	ug/l	95
51) 4-Methyl-2-Pentanone	9.95	43	591024	236.343	ug/l	100
52) Toluene	10.12	92	265027	49.340	ug/l	100
53) t-1,3-Dichloropropene	10.35	75	164257	50.092	ug/l	97
54) cis-1,3-Dichloropropene	9.80	75	179163	48.849	ug/l	99
55) 1,1,2-Trichloroethane	10.53	97	107954	48.540	ug/l	99
56) Ethyl methacrylate	10.40	69	146130	49.755	ug/l	97
57) 1,3-Dichloropropane	10.67	76	179486	49.053	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.66	63	329122	210.293	ug/l	100
59) 2-Hexanone	10.72	43	429352	238.320	ug/l	100
60) Dibromochloromethane	10.87	129	125292	49.514	ug/l	99
61) 1,2-Dibromoethane	10.97	107	108389	48.688	ug/l	99
64) Tetrachloroethene	10.60	164	123852	49.205	ug/l	98
65) Chlorobenzene	11.40	112	299708	49.397	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.48	131	113457	48.648	ug/l	98
67) Ethyl Benzene	11.48	91	502698	49.658	ug/l	99
68) m/p-Xylenes	11.59	106	398908	101.678	ug/l	100
69) o-Xylene	11.92	106	188597	50.370	ug/l	99
70) Styrene	11.93	104	326499	51.558	ug/l	99
71) Bromoform	12.10	173	82308	46.463	ug/l #	99
73) Isopropylbenzene	12.22	105	500797	49.980	ug/l	99
74) N-amyl acetate	12.04	43	171818	47.605	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.48	83	134942	44.341	ug/l	99
76) 1,2,3-Trichloropropane	12.52	75	140911m	48.008	ug/l	
77) Bromobenzene	12.50	156	128008	48.041	ug/l	100
78) n-propylbenzene	12.56	91	566521	50.124	ug/l	99
79) 2-Chlorotoluene	12.65	91	337528	48.826	ug/l	99
80) 1,3,5-Trimethylbenzene	12.70	105	421284	49.964	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.27	75	50063	48.547	ug/l	99
82) 4-Chlorotoluene	12.75	91	359016	49.275	ug/l	100
83) tert-Butylbenzene	12.96	119	346287	49.758	ug/l	98
84) 1,2,4-Trimethylbenzene	13.01	105	427573	50.228	ug/l	100
85) sec-Butylbenzene	13.14	105	453544	50.010	ug/l	100
86) p-Isopropyltoluene	13.26	119	422592	50.569	ug/l	99
87) 1,3-Dichlorobenzene	13.25	146	231627	48.917	ug/l	100
88) 1,4-Dichlorobenzene	13.33	146	233698	48.674	ug/l	97
89) n-Butylbenzene	13.59	91	349127	50.838	ug/l	100
90) Hexachloroethane	13.85	117	73883	48.775	ug/l	99
91) 1,2-Dichlorobenzene	13.62	146	222617	47.233	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.24	75	26534	44.467	ug/l	97

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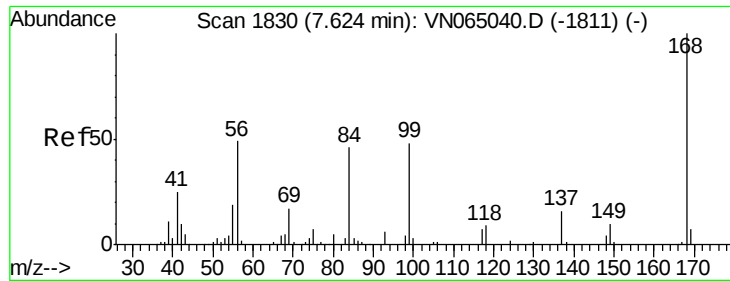
Manual Integrations
APPROVED

MMDadoda
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.88	180	119619	47.747	ug/l	100
94) Hexachlorobutadiene	14.98	225	61252	47.071	ug/l	99
95) Naphthalene	15.10	128	339231	45.783	ug/l	100
96) 1,2,3-Trichlorobenzene	15.28	180	109749	46.574	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.62 min Scan# 1829

Delta R.T. -0.00 min

Lab File: VN065046.D

Acq: 10 Dec 2020 16:14

Instrument :

MSVOA_N

ClientSampleId :

ICVVN121020

Tot Ion:168 Resp: 215632

Ion Ratio Lower Upper

168 100

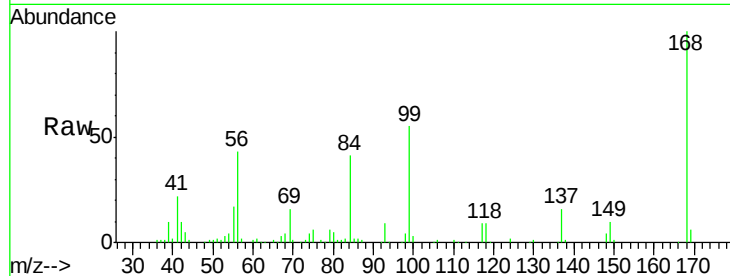
99 54.7 44.0 66.0

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

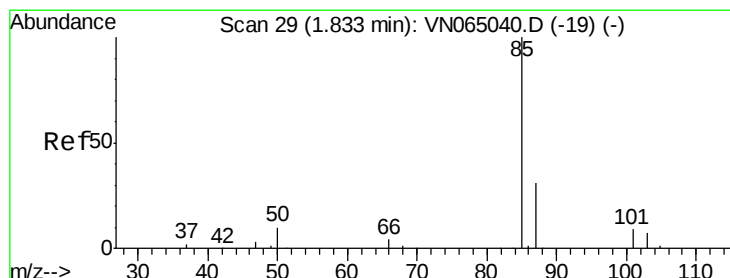
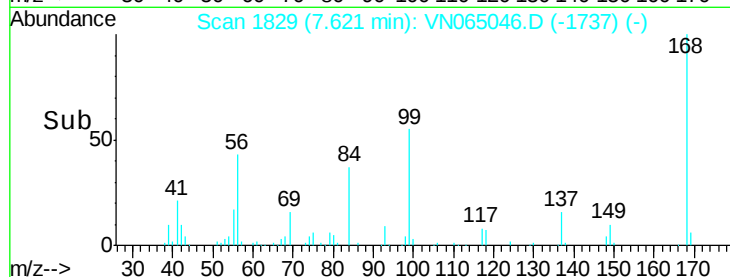
40000

20000

0

7.50 7.55 7.60 7.65 7.70

Time-->



#2

Dichlorodifluoromethane

Concen: 48.665 ug/l

RT: 1.83 min Scan# 29

Delta R.T. 0.00 min

Lab File: VN065046.D

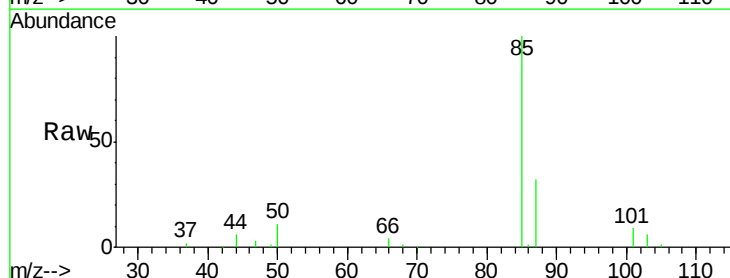
Acq: 10 Dec 2020 16:14

Tgt Ion: 85 Resp: 66442

Ion Ratio Lower Upper

85 100

87 32.4 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

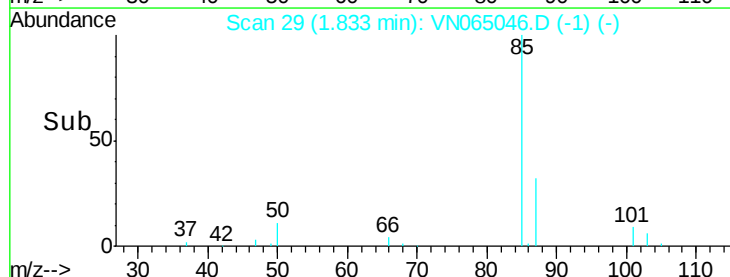
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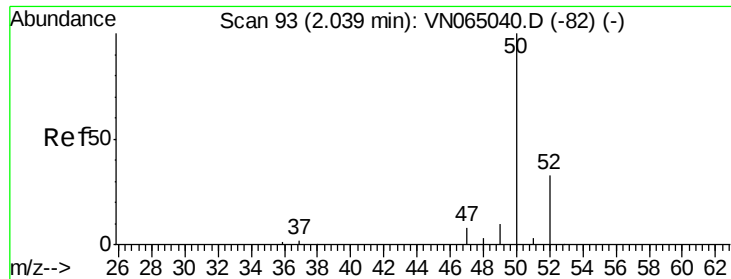
10000

0

1.80 1.85 1.90

Time-->





#3

Chloromethane

Concen: 47.037 ug/l

RT: 2.04 min Scan# 93

Delta R.T. 0.00 min

Lab File: VN065046.D

Acq: 10 Dec 2020 16:14

Instrument :

MSVOA_N

ClientSampleId :

ICVVN121020

Tot Ion: 50 Resp: 86687

Ion Ratio Lower Upper

50 100

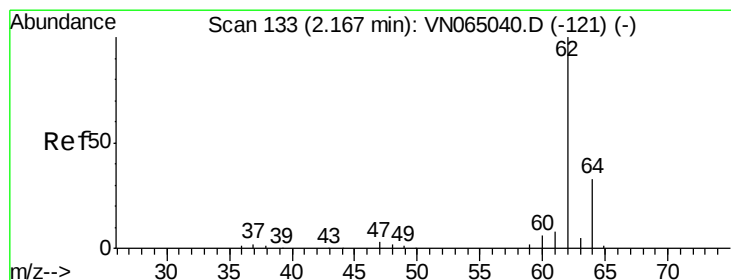
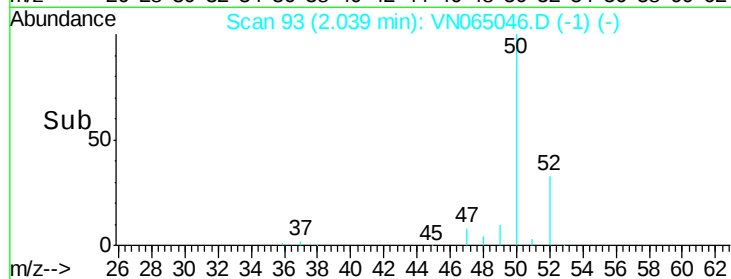
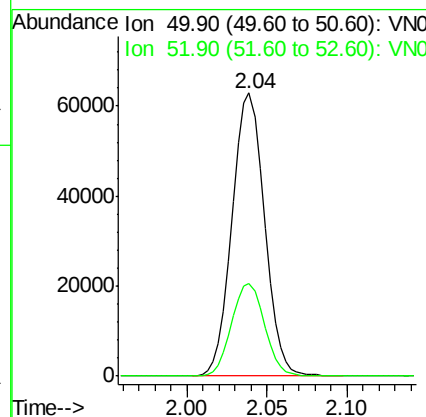
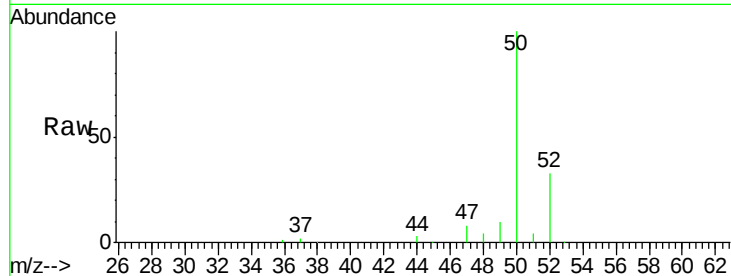
52 32.8 26.5 39.7

Manual Integrations

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12/11/2020 12:32:40 PM



#4

Vinyl Chloride

Concen: 48.306 ug/l

RT: 2.17 min Scan# 133

Delta R.T. 0.00 min

Lab File: VN065046.D

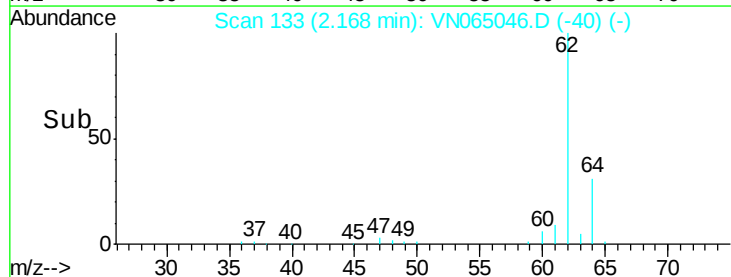
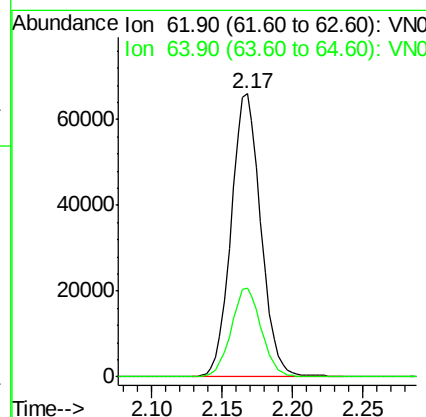
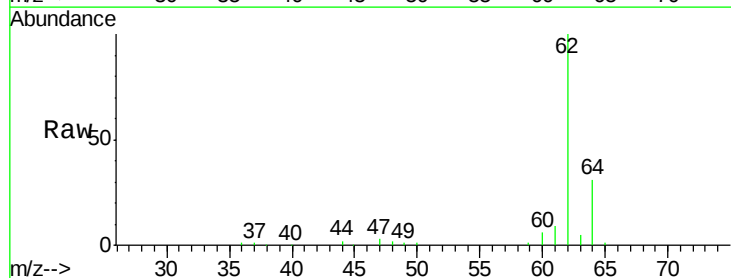
Acq: 10 Dec 2020 16:14

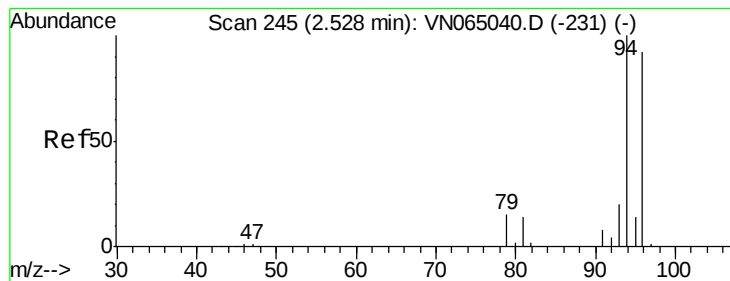
Tgt Ion: 62 Resp: 97218

Ion Ratio Lower Upper

62 100

64 31.3 26.1 39.1





#5

Bromomethane

Concen: 49.522 ug/l

RT: 2.53 min Scan# 246

Delta R.T. 0.00 min

Lab File: VN065046.D

Acq: 10 Dec 2020 16:14

Instrument :

MSVOA_N

ClientSampleId :

ICVVN121020

Tot Ion: 94 Resp: 67634

Ion Ratio Lower Upper

94 100

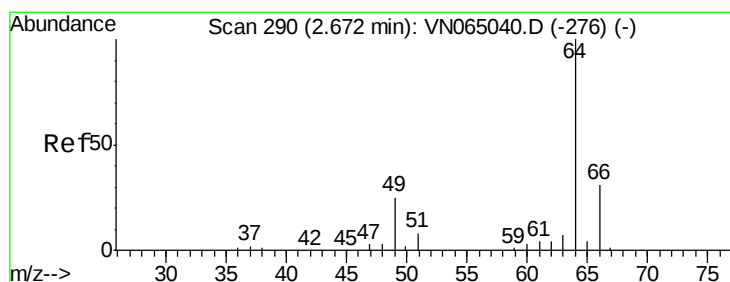
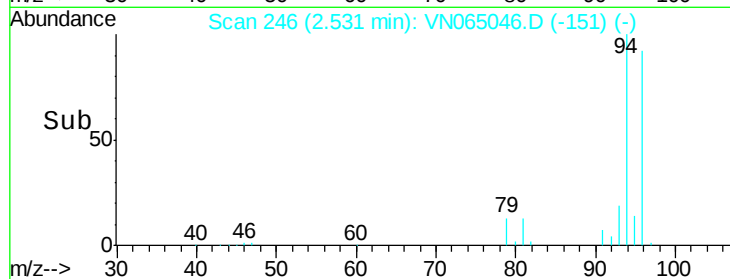
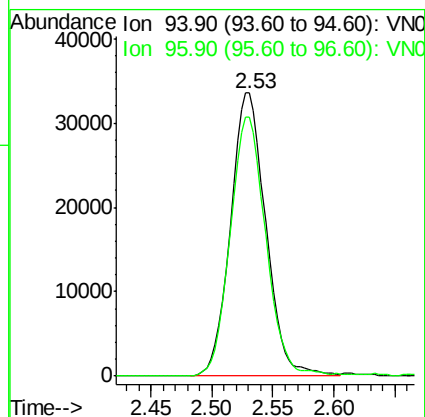
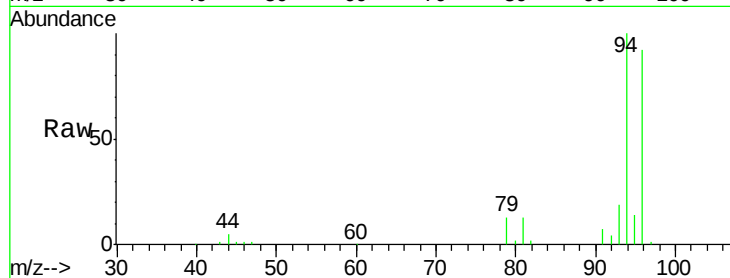
96 91.6 73.8 110.8

Manual Integrations

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#6

Chloroethane

Concen: 47.656 ug/l

RT: 2.67 min Scan# 290

Delta R.T. 0.00 min

Lab File: VN065046.D

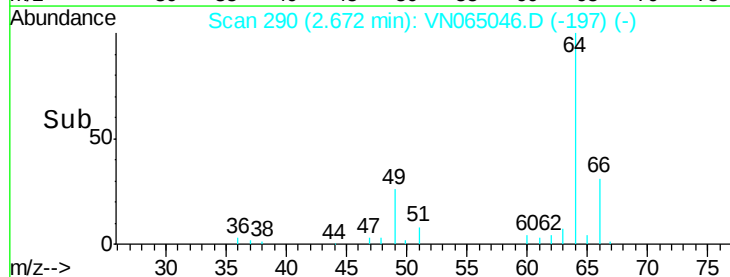
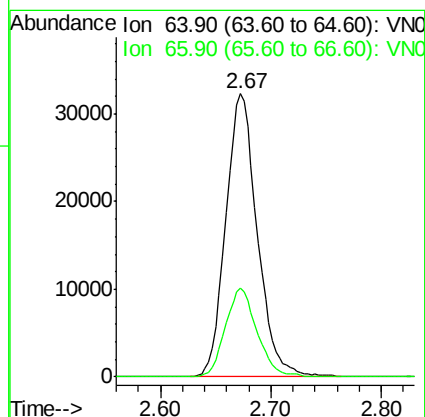
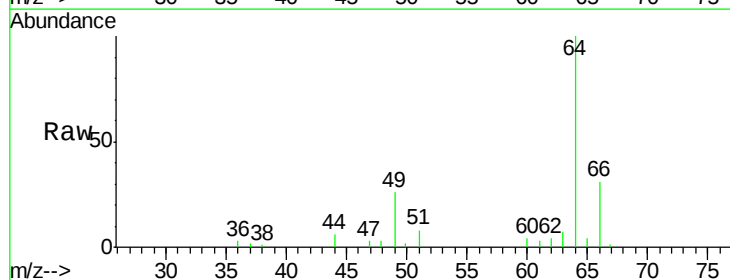
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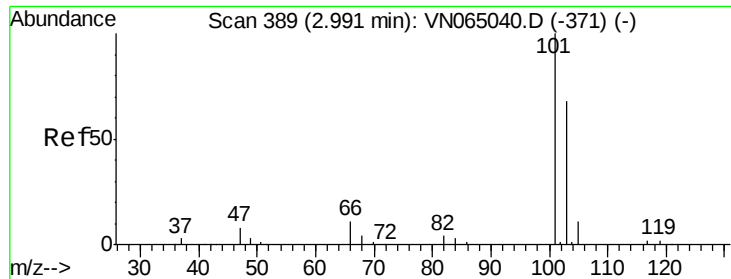
Tgt Ion: 64 Resp: 64018

Ion Ratio Lower Upper

64 100

66 31.3 24.6 37.0





#7

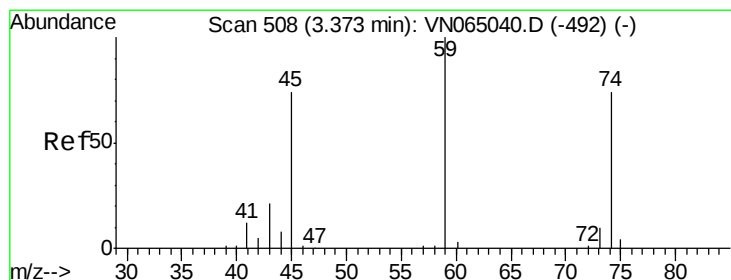
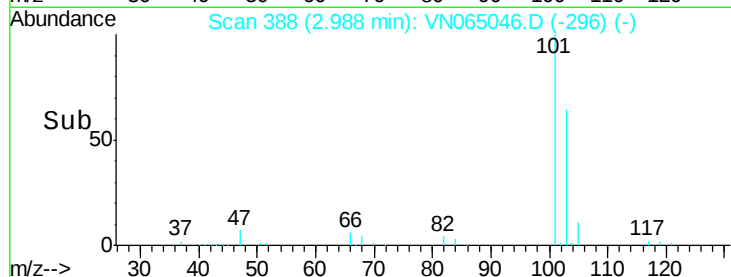
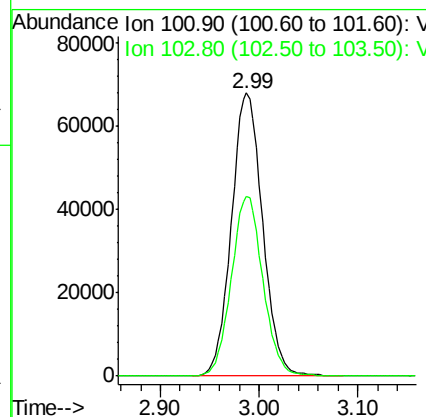
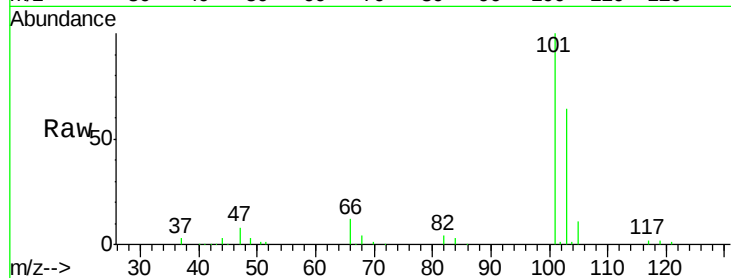
Trichlorofluoromethane
 Concen: 47.089 ug/l
 RT: 2.99 min Scan# 388
 Delta R.T. -0.00 min
 Lab File: VN065046.D
 Acq: 10 Dec 2020 16:14

Instrument :
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 ClientSampleId :
 ICVVN121020

Tot Ion	Ratio	Lower	Upper
101	100		
103	63.6	54.5	81.7

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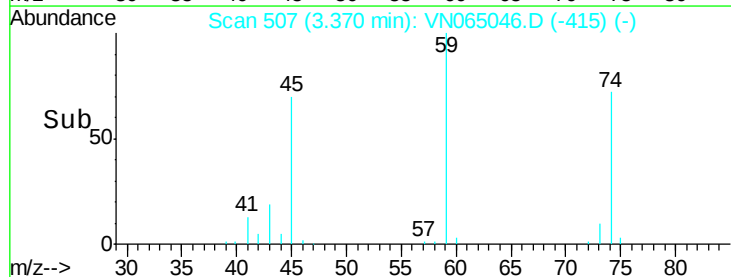
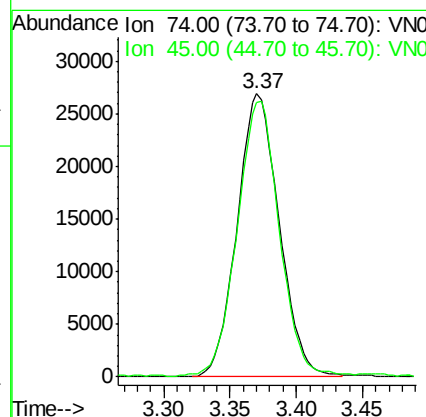
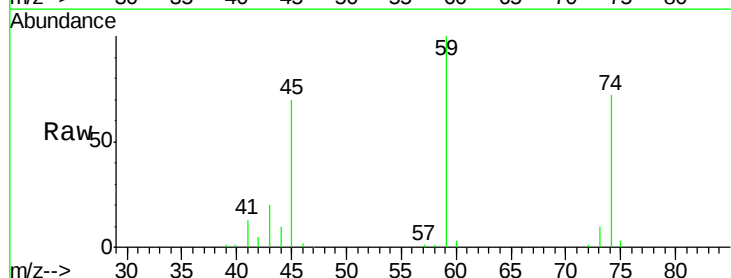
MMDadoda
 12/11/2020 12:32:40 PM

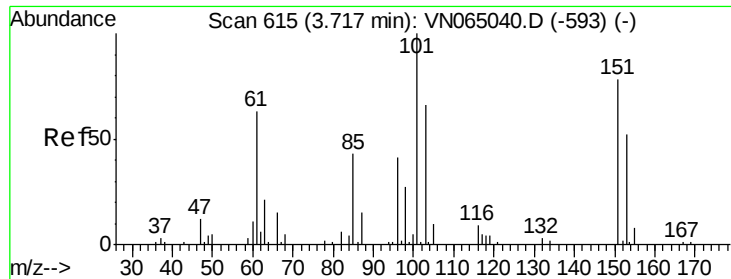


#8

Diethyl Ether
 Concen: 46.863 ug/l
 RT: 3.37 min Scan# 507
 Delta R.T. -0.00 min
 Lab File: VN065046.D
 Acq: 10 Dec 2020 16:14

Tgt Ion	Ratio	Lower	Upper
74	100		
45	98.0	49.1	147.3





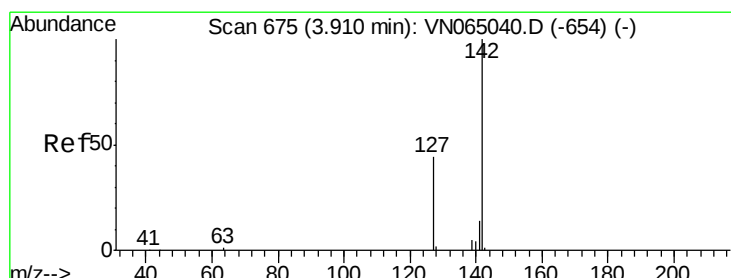
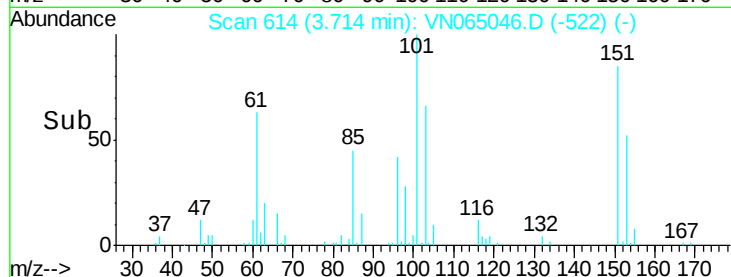
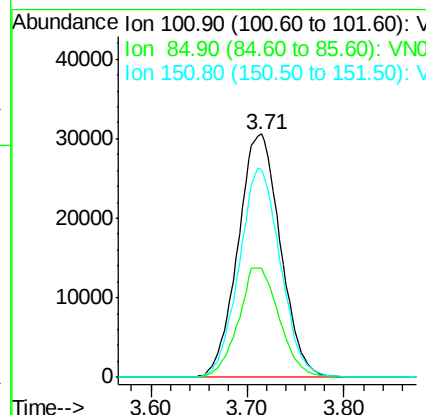
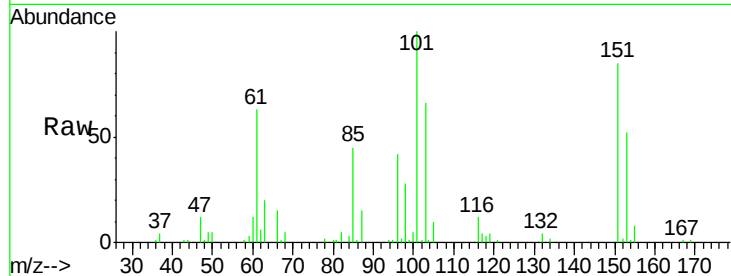
#9
1,1,2-Trichlorotrifluoroethane
Concen: 46.933 ug/l
RT: 3.71 min Scan# 614
Delta R.T. -0.00 min
Lab File: VN065046.D
Acq: 10 Dec 2020 16:14

Instrument :
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Tot Ion	Ratio	Lower	Upper
101	100		
85	43.3	33.2	49.8
151	83.6	63.7	95.5

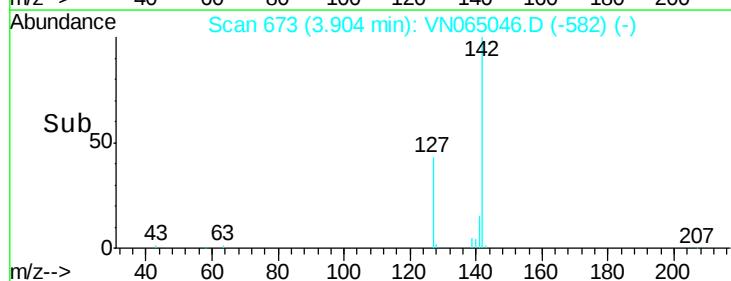
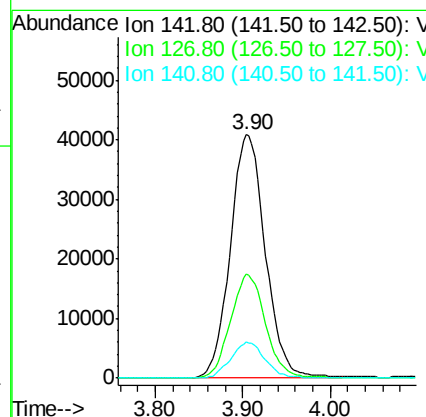
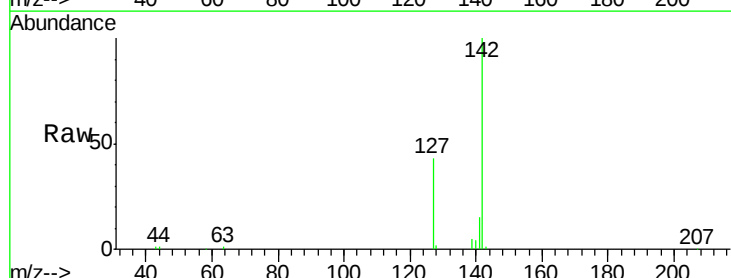
Manual Integrations
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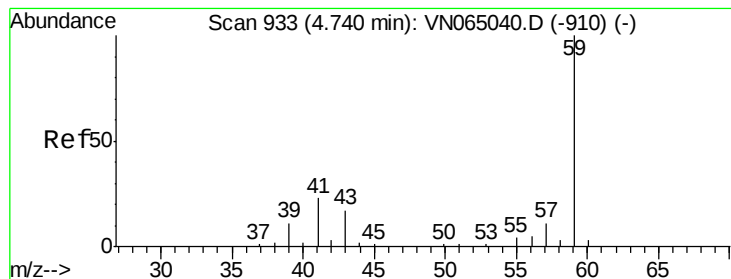
MMDadoda
12/11/2020 12:32:40 PM



#10
Methyl Iodide
Concen: 47.216 ug/l
RT: 3.90 min Scan# 673
Delta R.T. -0.01 min
Lab File: VN065046.D
Acq: 10 Dec 2020 16:14

Tgt Ion	Ratio	Lower	Upper
142	100		
127	42.4	34.6	52.0
141	14.3	10.9	16.3





#11

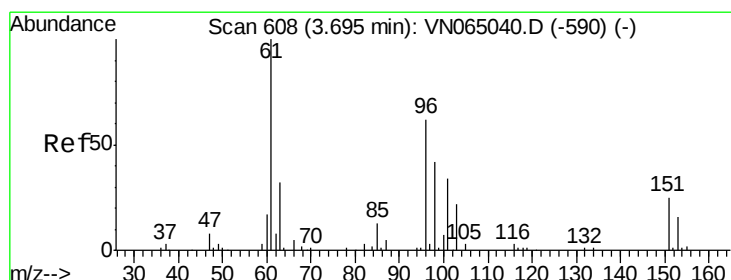
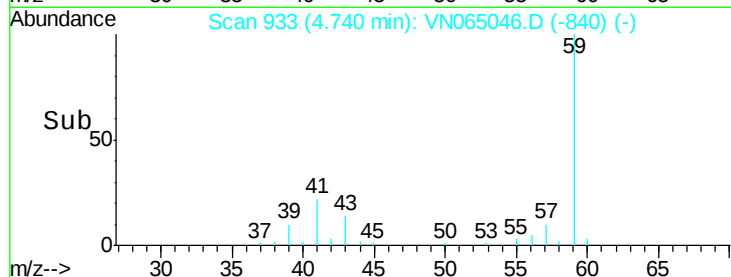
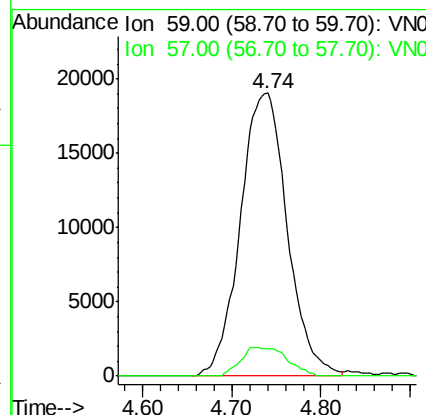
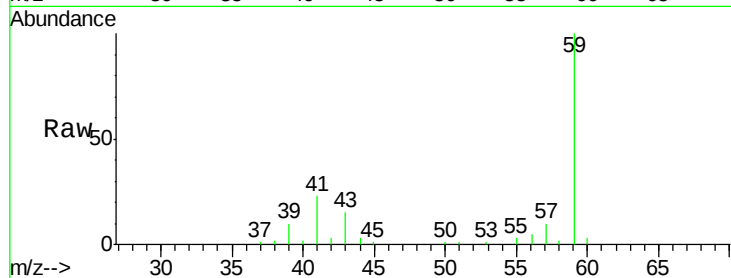
Tert butyl alcohol
Concen: 224.031 ug/l
RT: 4.74 min Scan# 933
Delta R.T. 0.00 min
Lab File: VN065046.D
Acq: 10 Dec 2020 16:14

Instrument :
MSVOA_N
ClientSampleId :
ICVVN121020

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.0	8.6	12.8

Manual Integrations
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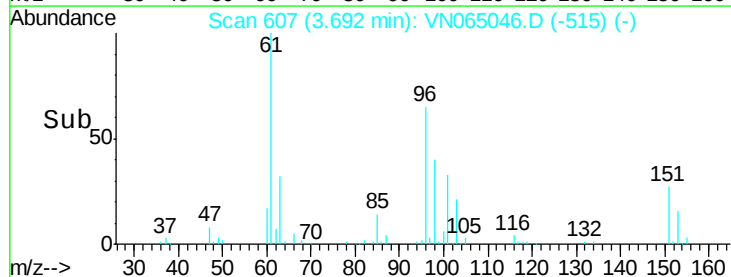
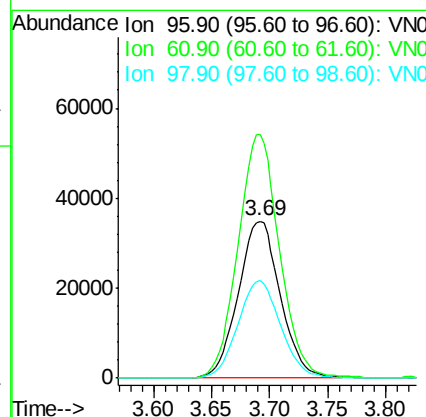
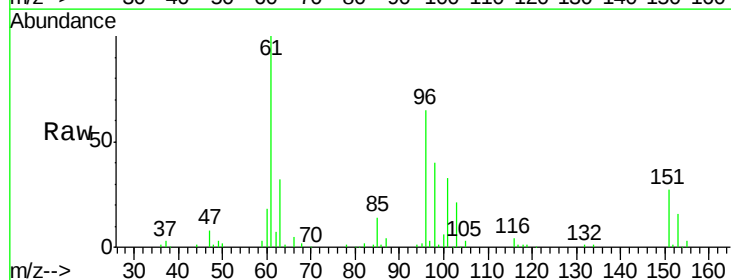
MMDadoda
12/11/2020 12:32:40 PM

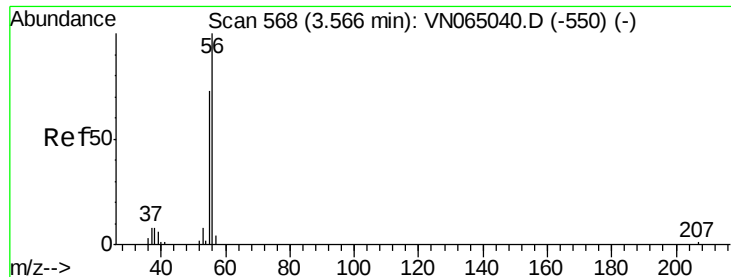


#12

1,1-Dichloroethene
Concen: 47.195 ug/l
RT: 3.69 min Scan# 607
Delta R.T. -0.00 min
Lab File: VN065046.D
Acq: 10 Dec 2020 16:14

Tgt Ion	Ratio	Lower	Upper
96	100		
61	154.9	128.4	192.6
98	62.1	53.6	80.4





#13

Acrolein

Concen: 159.187 ug/l

RT: 3.56 min Scan# 566

Delta R.T. -0.01 min

Lab File: VN065046.D

Acq: 10 Dec 2020 16:14

Instrument :

MSVOA_N

ClientSampleId :

ICVVN121020

Tot Ion: 56 Resp: 40033

Ion Ratio Lower Upper

56 100

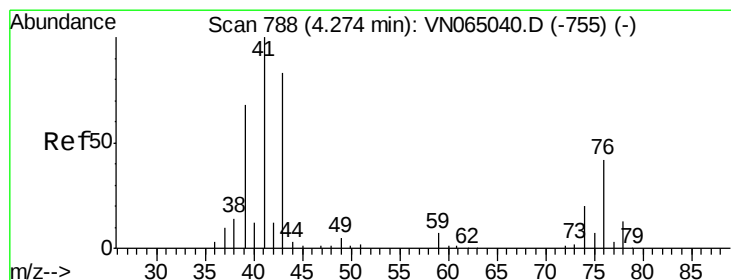
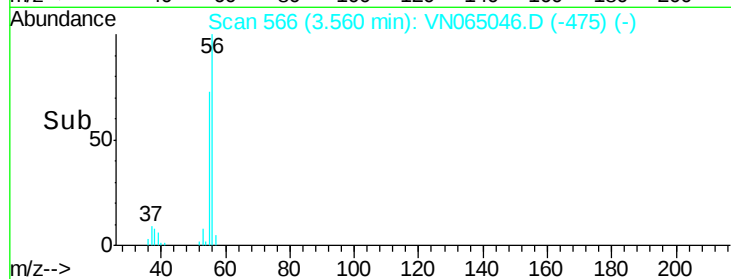
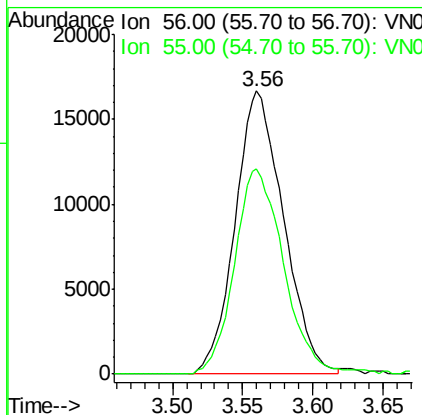
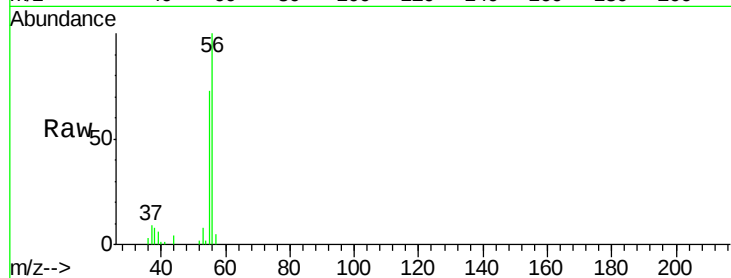
55 73.2 58.4 87.6

Manual Integrations

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#14

Allyl chloride

Concen: 47.635 ug/l

RT: 4.27 min Scan# 786

Delta R.T. -0.01 min

Lab File: VN065046.D

Acq: 10 Dec 2020 16:14

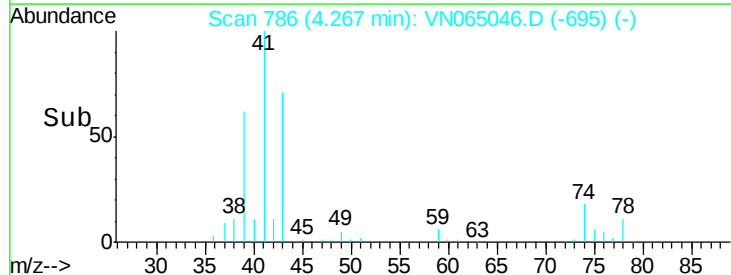
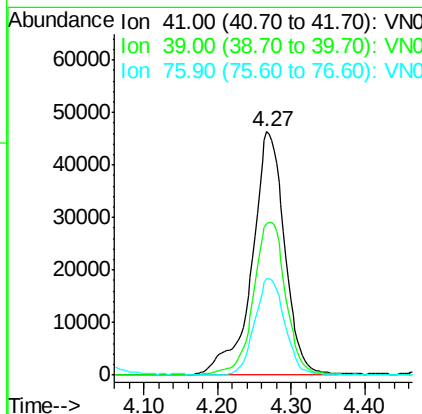
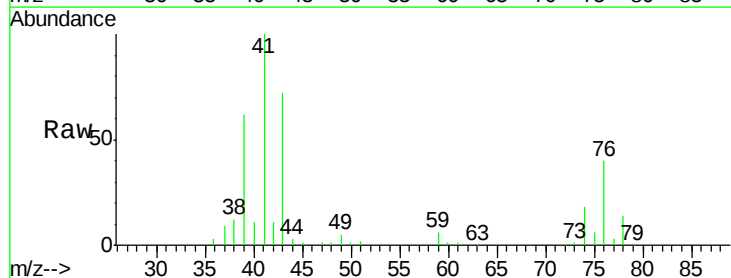
Tgt Ion: 41 Resp: 143519

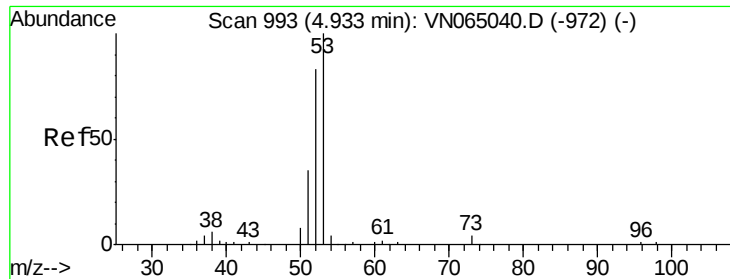
Ion Ratio Lower Upper

41 100

39 61.9 49.0 73.6

76 36.5 29.6 44.4





#15

Acrylonitrile

Concen: 225.098 ug/l

RT: 4.93 min Scan# 991

Delta R.T. -0.01 min

Lab File: VN065046.D

Acq: 10 Dec 2020 16:14

Instrument :

MSVOA_N

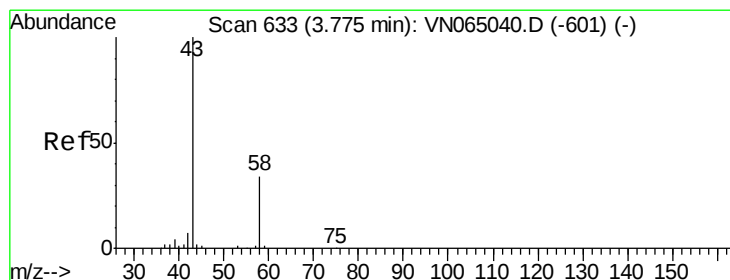
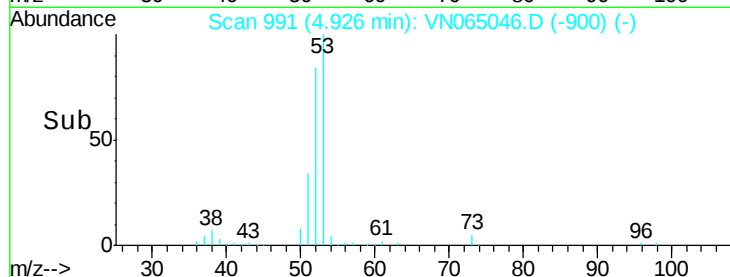
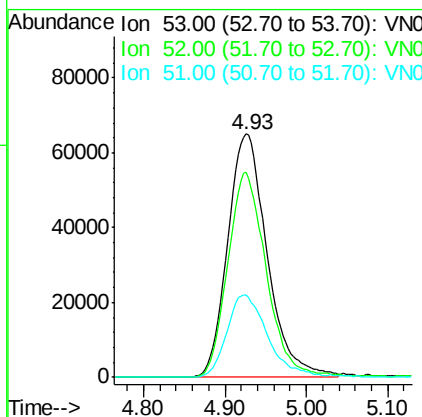
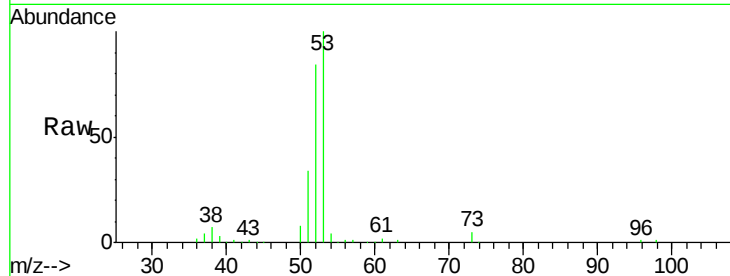
ClientSampleId :

ICVVN121020

Tot Ion:	53	Resp:	220014
Ion	Ratio	Lower	Upper
53	100		
52	82.1	65.4	98.0
51	34.9	27.8	41.6

Manual Integrations
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#16

Acetone

Concen: 244.182 ug/l

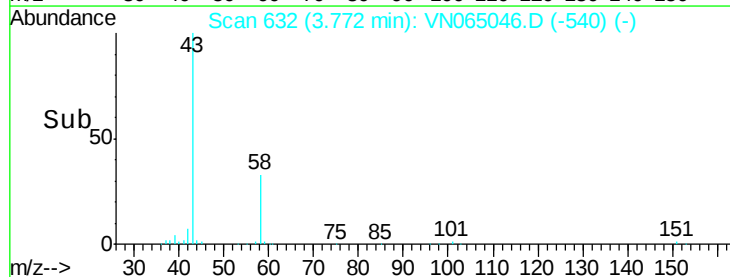
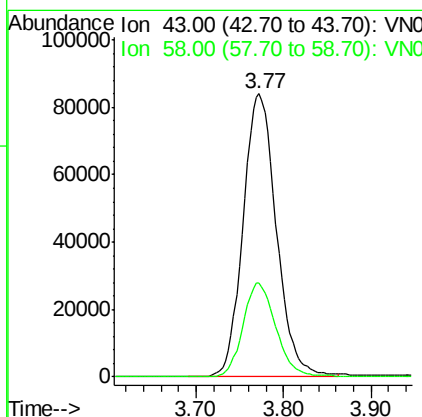
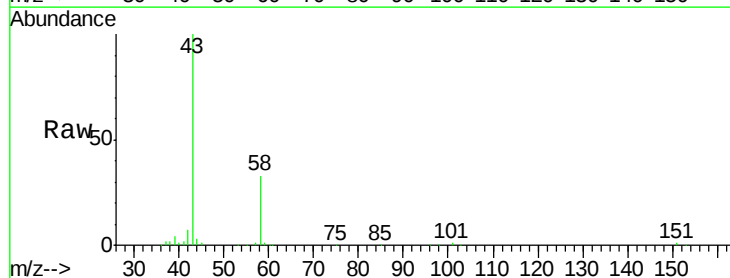
RT: 3.77 min Scan# 632

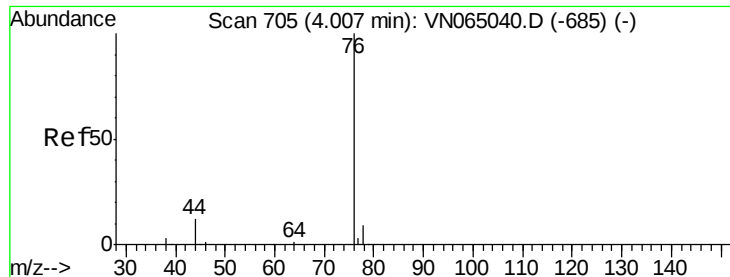
Delta R.T. -0.00 min

Lab File: VN065046.D

Acq: 10 Dec 2020 16:14

Tgt Ion:	43	Resp:	222350
Ion	Ratio	Lower	Upper
43	100		
58	33.2	26.8	40.2





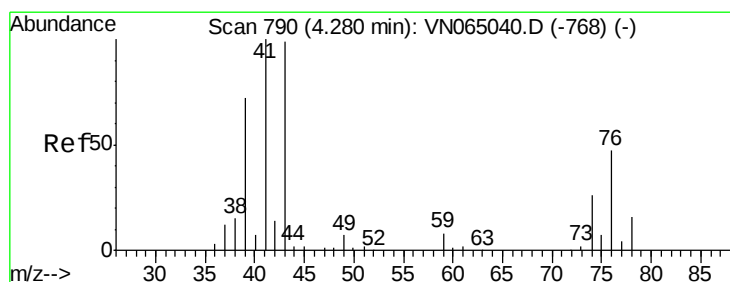
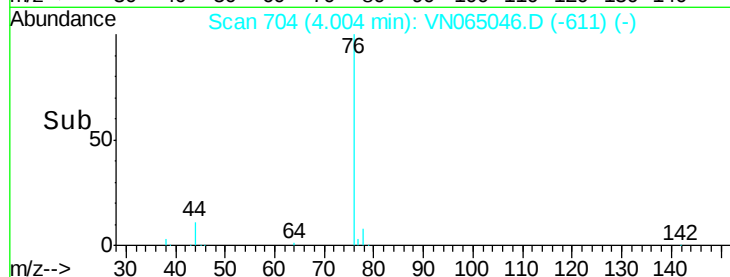
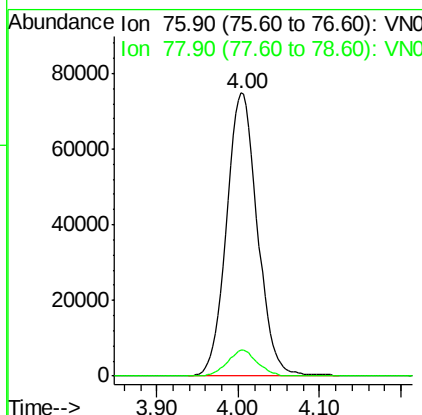
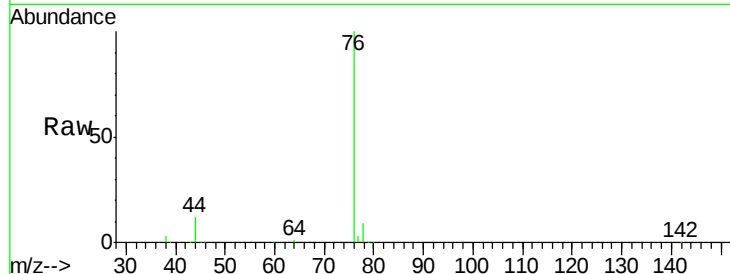
#17
Carbon Disulfide
Concen: 46.794 ug/l
RT: 4.00 min Scan# 704
Delta R.T. -0.00 min
Lab File: VN065046.D
Acq: 10 Dec 2020 16:14

Instrument :
MSVOA_N
ClientSampleId :
ICVVN121020

Tot Ion	76	Resp	198779
Ion	Ratio	Lower	Upper
76	100		
78	9.2	7.1	10.7

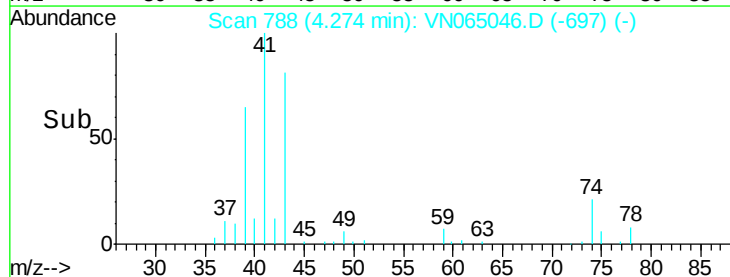
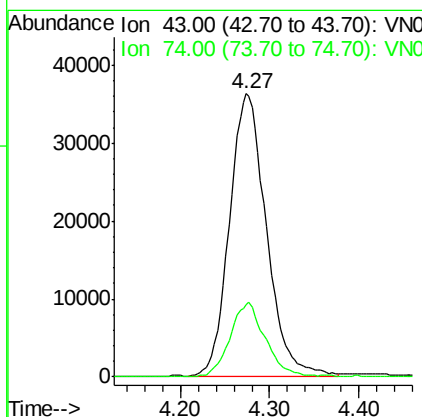
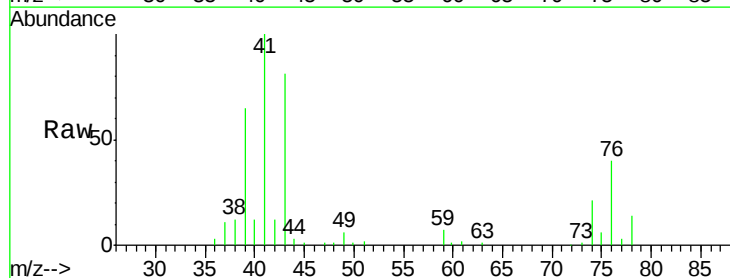
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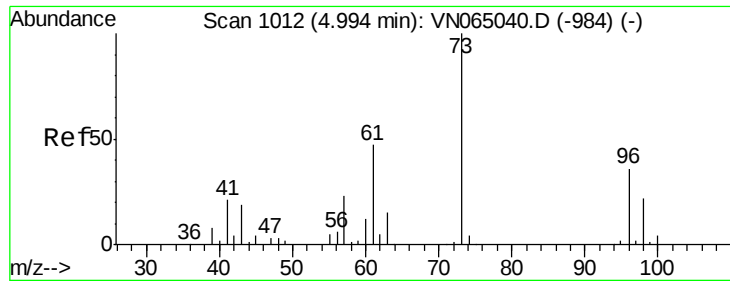
MMDadoda
12/11/2020 12:32:40 PM



#18
Methyl Acetate
Concen: 45.588 ug/l
RT: 4.27 min Scan# 788
Delta R.T. -0.01 min
Lab File: VN065046.D
Acq: 10 Dec 2020 16:14

Tgt Ion	43	Resp	104614
Ion	Ratio	Lower	Upper
43	100		
74	24.9	20.1	30.1





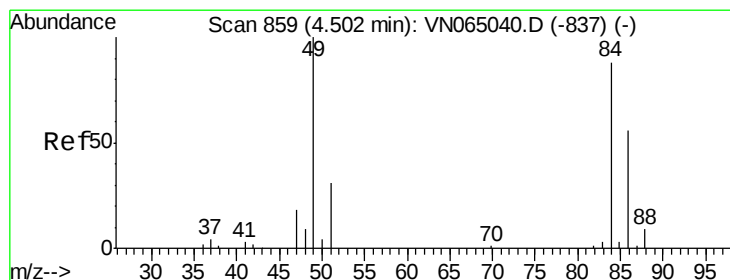
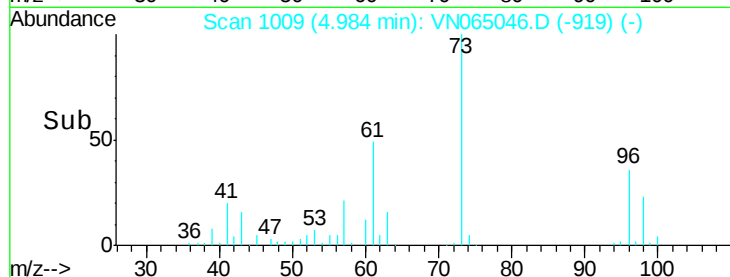
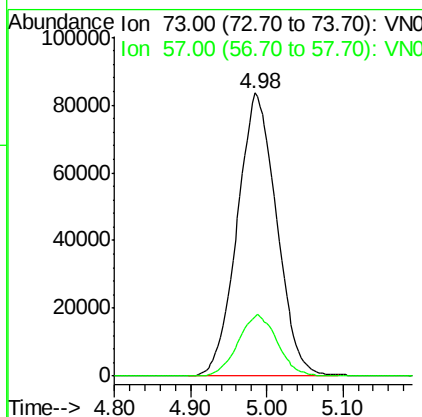
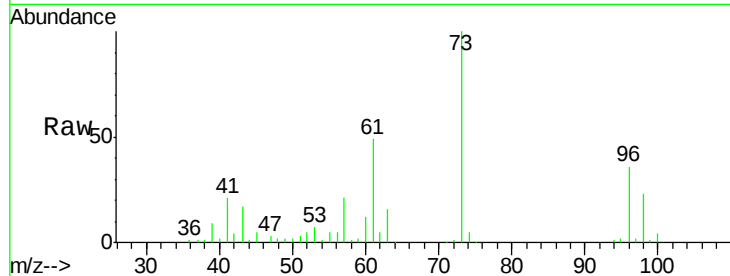
#19
Methvl tert-butvl Ether
Concen: 47.932 ug/l
RT: 4.98 min Scan# 1009
Delta R.T. -0.01 min
Lab File: VN065046.D
Acq: 10 Dec 2020 16:14

Instrument :
MSVOA_N
ClientSampleId :
ICVVN121020

Tot Ion: 73 Resp: 300394
Ion Ratio Lower Upper
73 100
57 21.1 18.0 27.0

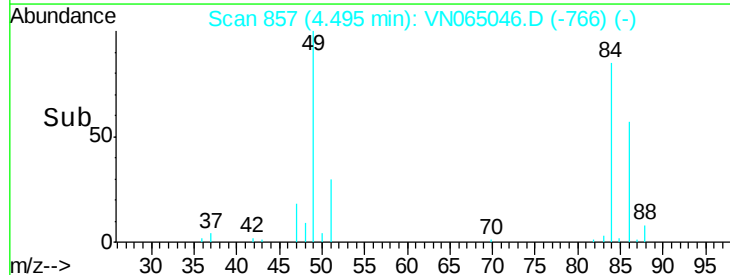
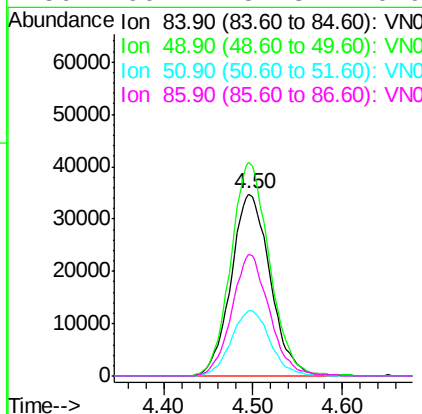
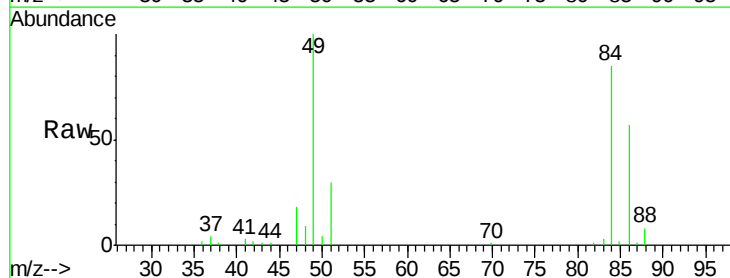
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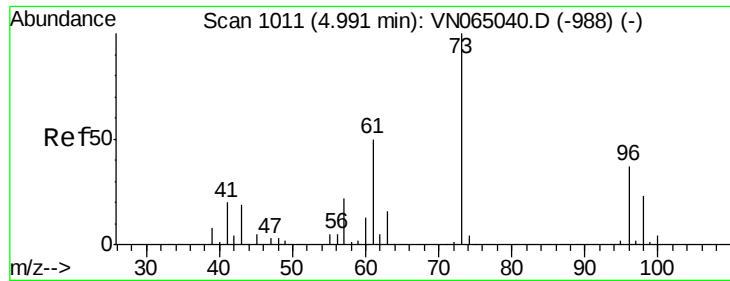
MMDadoda
12/11/2020 12:32:40 PM



#20
Methylene Chloride
Concen: 45.605 ug/l
RT: 4.50 min Scan# 857
Delta R.T. -0.01 min
Lab File: VN065046.D
Acq: 10 Dec 2020 16:14

Tgt Ion: 84 Resp: 105792
Ion Ratio Lower Upper
84 100
49 117.5 90.8 136.2
51 35.7 28.1 42.1
86 66.7 51.3 76.9





#21

trans-1,2-Dichloroethene

Concen: 47.308 ug/l

RT: 4.98 min Scan# 1008

Delta R.T. -0.01 min

Lab File: VN065046.D

Acq: 10 Dec 2020 16:14

Instrument :

MSVOA_N

ClientSampleId :

ICVVN121020

Tot Ion: 96 Resp: 96025

Ion Ratio Lower Upper

96 100

61 137.6 107.1 160.7

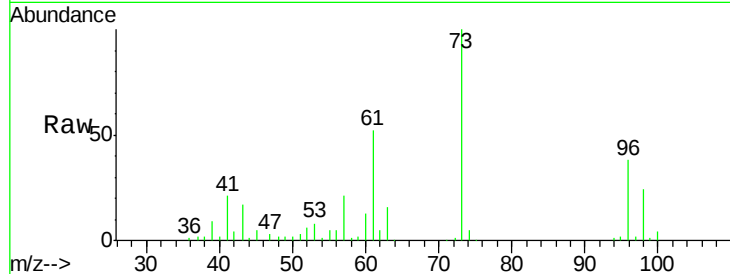
98 64.2 49.8 74.8

Manual Integrations

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MMDadoda

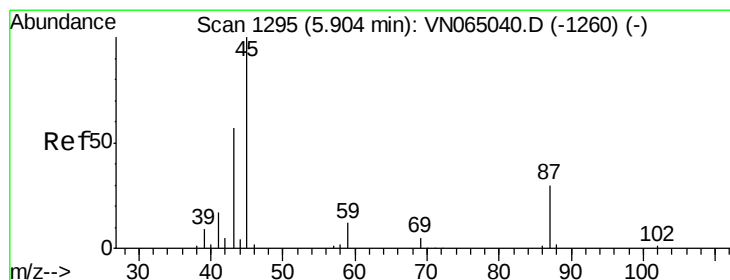
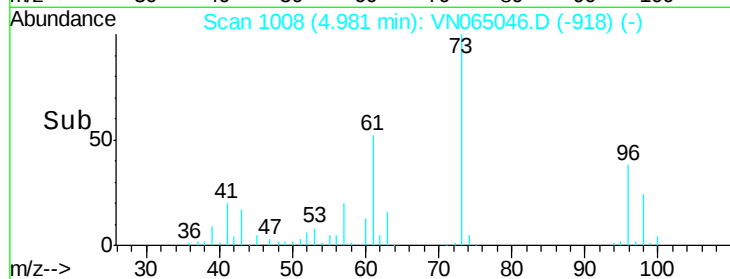
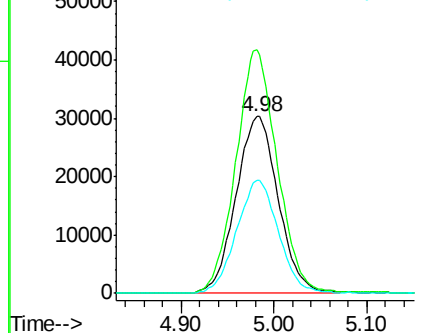
12/11/2020 12:32:40 PM



Abundance Ion 95.90 (95.60 to 96.60): VN065046.D (-1008) (-)

Ion 60.90 (60.60 to 61.60): VN065046.D (-1008) (-)

Ion 97.90 (97.60 to 98.60): VN065046.D (-1008) (-)



#22

Diisopropyl ether

Concen: 48.257 ug/l

RT: 5.90 min Scan# 1293

Delta R.T. -0.01 min

Lab File: VN065046.D

Acq: 10 Dec 2020 16:14

Tgt Ion: 45 Resp: 316967

Ion Ratio Lower Upper

45 100

43 58.8 47.9 71.9

87 30.4 24.3 36.5

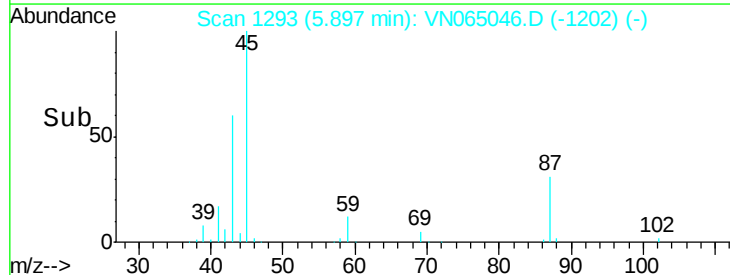
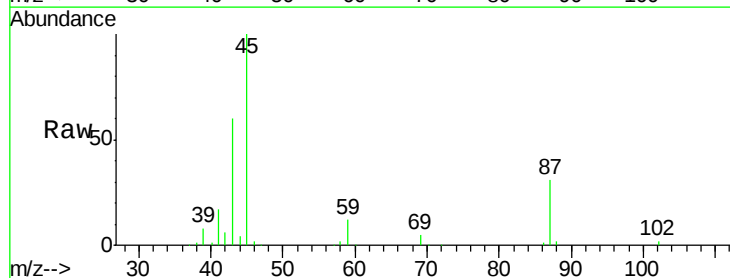
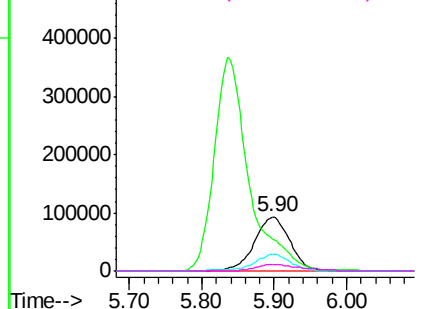
59 11.6 9.5 14.3

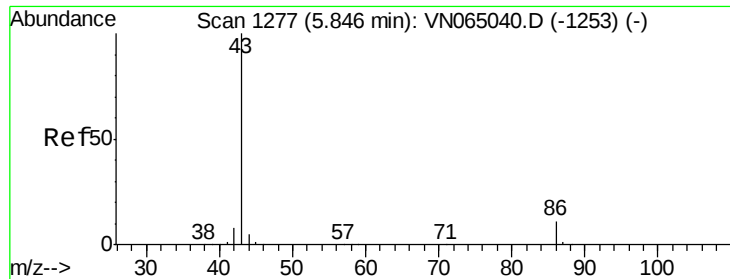
Abundance Ion 45.00 (44.70 to 45.70): VN065046.D (-1202) (-)

Ion 43.00 (42.70 to 43.70): VN065046.D (-1202) (-)

Ion 87.00 (86.70 to 87.70): VN065046.D (-1202) (-)

Ion 59.00 (58.70 to 59.70): VN065046.D (-1202) (-)





#23

Vinyl Acetate

Concen: 239.918 ug/l

RT: 5.84 min Scan# 1274

Delta R.T. -0.01 min

Lab File: VN065046.D

Acq: 10 Dec 2020 16:14

Instrument :

MSVOA_N

ClientSampleId :

ICVVN121020

Tot Ion: 43 Resp: 1217907

Ion Ratio Lower Upper

43 100

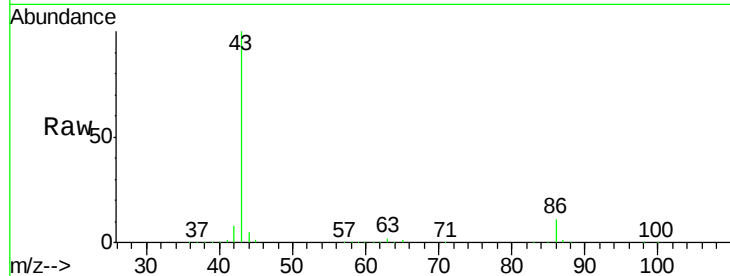
86 10.5 8.6 12.8

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0

5.84

400000

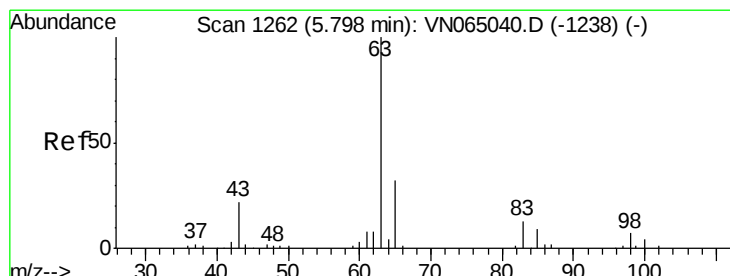
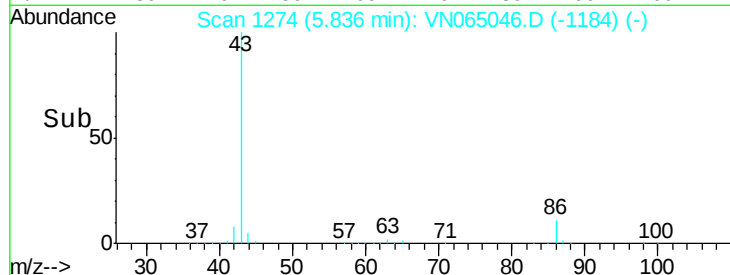
300000

200000

100000

0

Time-->



#24

1,1-Dichloroethane

Concen: 47.314 ug/l

RT: 5.79 min Scan# 1260

Delta R.T. -0.01 min

Lab File: VN065046.D

Acq: 10 Dec 2020 16:14

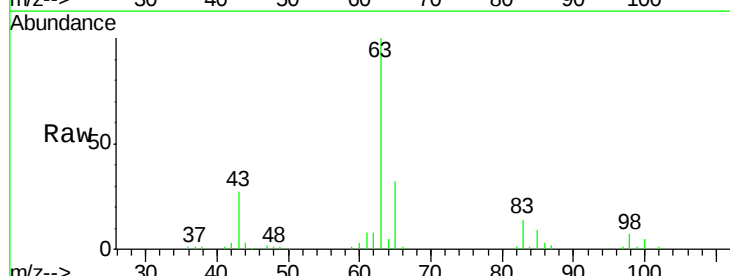
Tgt Ion: 63 Resp: 184082

Ion Ratio Lower Upper

63 100

98 6.8 3.3 9.9

100 4.5 2.1 6.2



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0

5.79

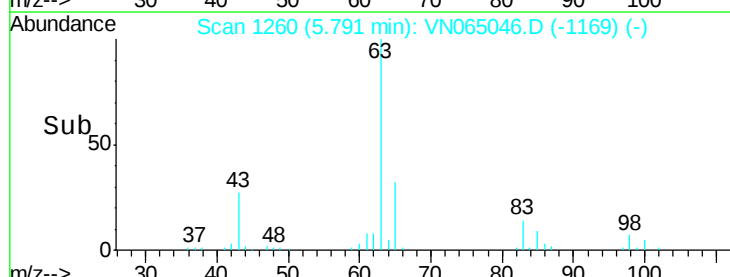
60000

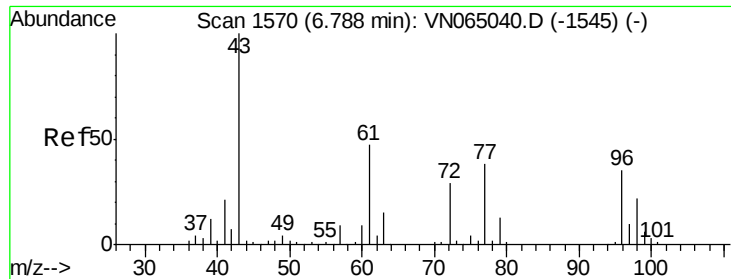
40000

20000

0

Time-->





#25

2-Butanone

Concen: 230.966 ug/l

RT: 6.78 min Scan# 1568

Delta R.T. -0.01 min

Lab File: VN065046.D

Acq: 10 Dec 2020 16:14

Instrument :

MSVOA_N

ClientSampleId :

ICVVN121020

Tot Ion: 43 Resp: 290033

Ion Ratio Lower Upper

43 100

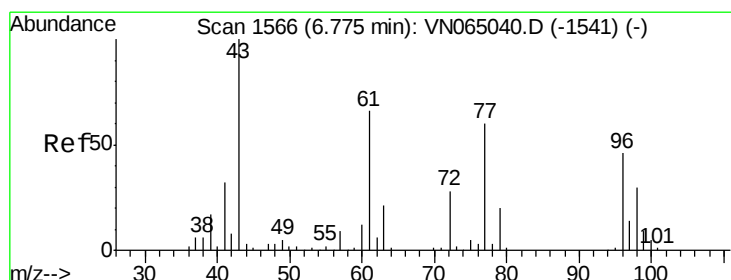
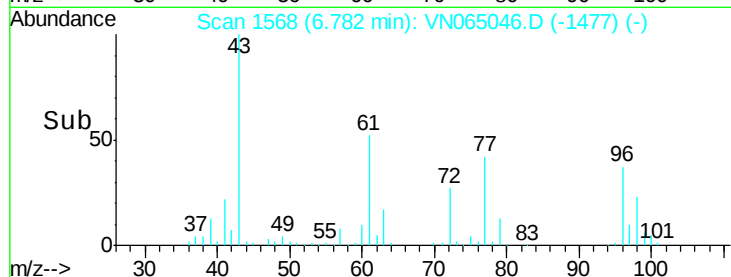
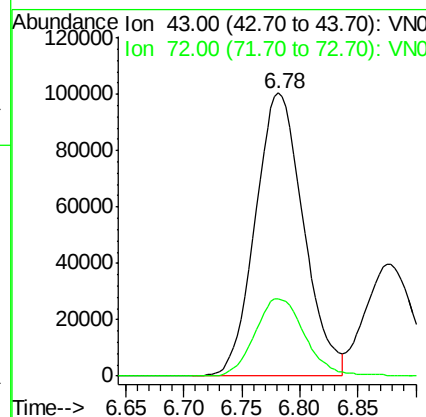
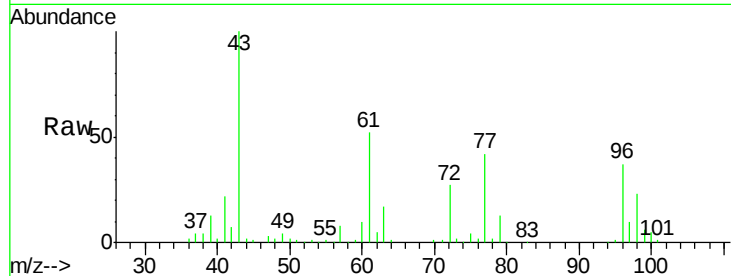
72 27.3 22.9 34.3

Manual Integrations

APPROVED

MMDadoda

12/11/2020 12:32:40 PM



#26

2,2-Dichloropropane

Concen: 48.477 ug/l

RT: 6.77 min Scan# 1564

Delta R.T. -0.01 min

Lab File: VN065046.D

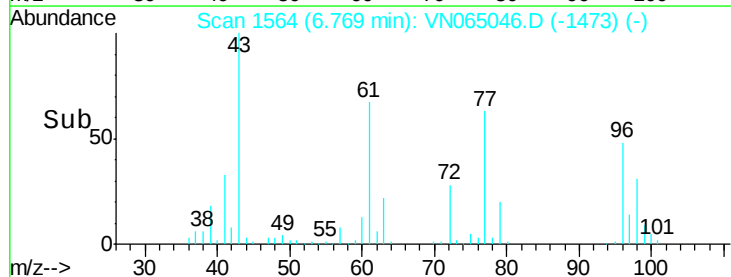
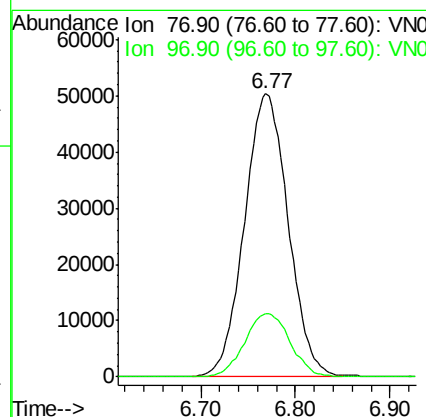
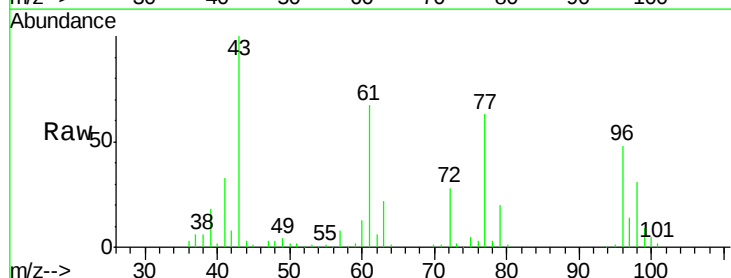
Acq: 10 Dec 2020 16:14

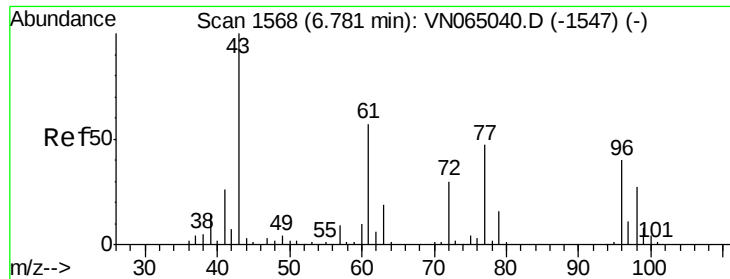
Tgt Ion: 77 Resp: 161617

Ion Ratio Lower Upper

77 100

97 23.2 11.7 35.1





#27

cis-1,2-Dichloroethene

Concen: 46.912 ug/l

RT: 6.78 min Scan# 1566

Delta R.T. -0.01 min

Lab File: VN065046.D

Acq: 10 Dec 2020 16:14

Instrument :

MSVOA_N

ClientSampleId :

ICVVN121020

Tot Ion: 96 Resp: 114972

Ion Ratio Lower Upper

96 100

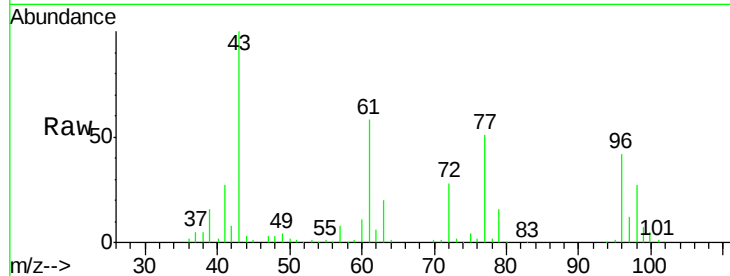
61 142.2 0.0 283.6

98 64.3 0.0 130.8

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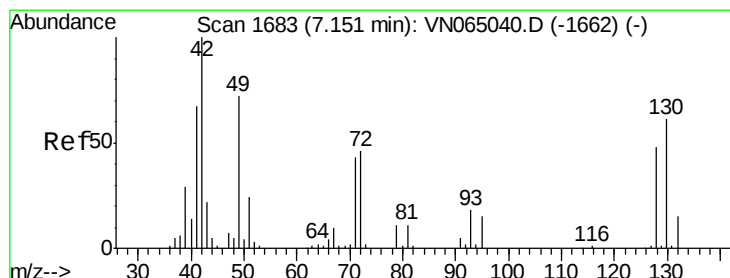
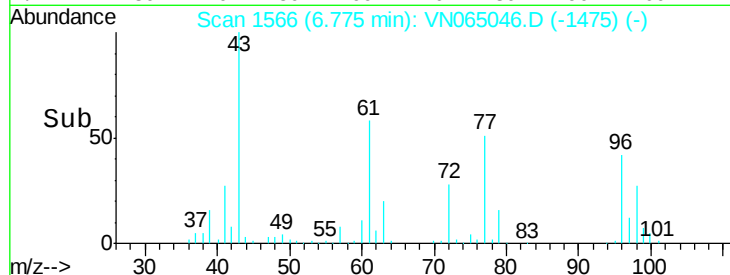
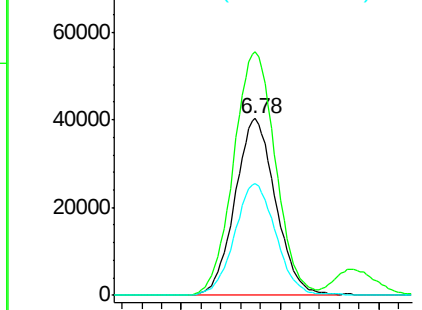
12/11/2020 12:32:40 PM



Abundance Ion 95.90 (95.60 to 96.60): VN065046.D (-1475) (-)

Ion 60.90 (60.60 to 61.60): VN065046.D (-1475) (-)

Ion 97.90 (97.60 to 98.60): VN065046.D (-1475) (-)



#28

Bromochloromethane

Concen: 44.172 ug/l

RT: 7.14 min Scan# 1681

Delta R.T. -0.01 min

Lab File: VN065046.D

Acq: 10 Dec 2020 16:14

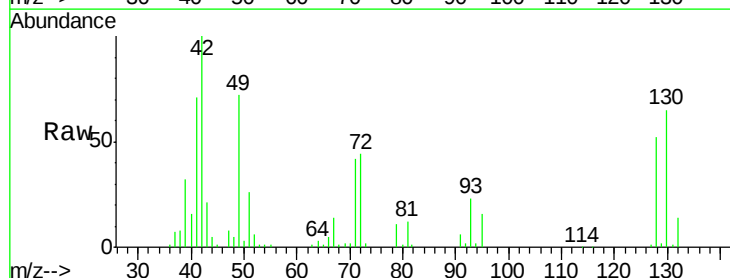
Tgt Ion: 49 Resp: 81686

Ion Ratio Lower Upper

49 100

129 1.9 0.0 2.2

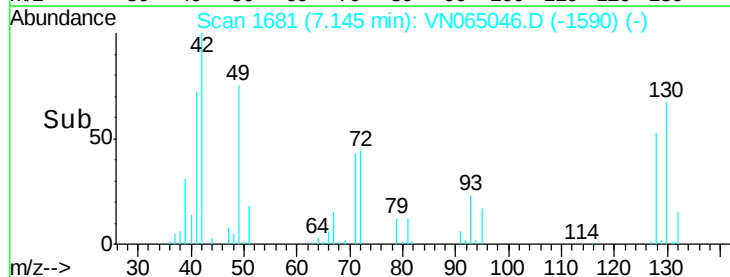
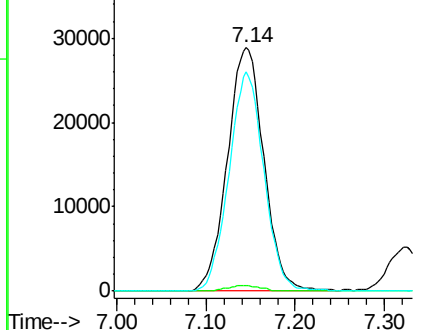
130 86.3 67.9 101.9

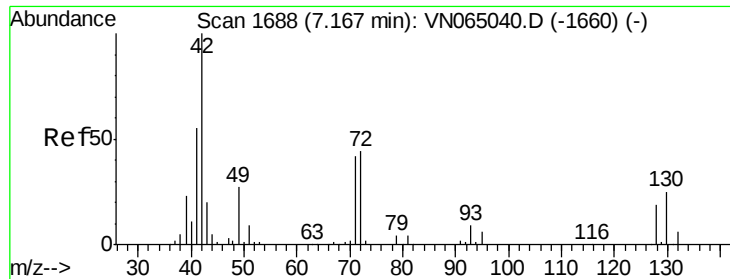


Abundance Ion 48.90 (48.60 to 49.60): VN065046.D (-1590) (-)

Ion 128.80 (128.50 to 129.50): VN065046.D (-1590) (-)

Ion 129.80 (129.50 to 130.50): VN065046.D (-1590) (-)





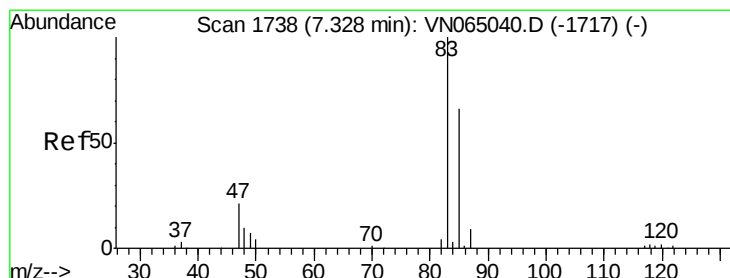
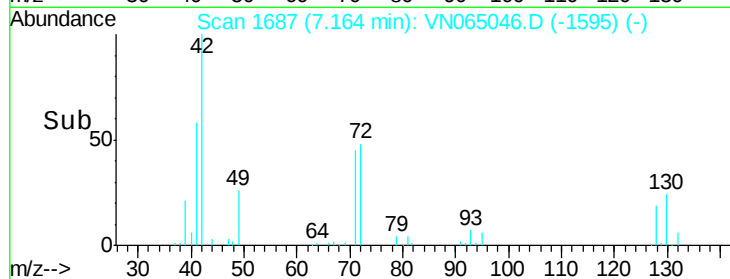
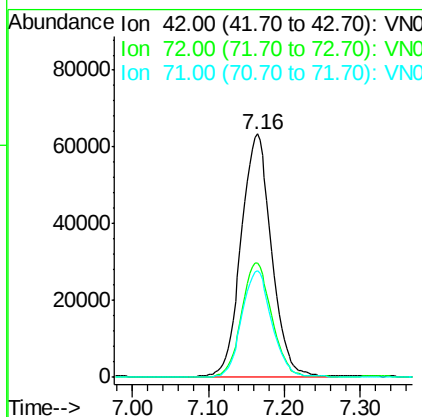
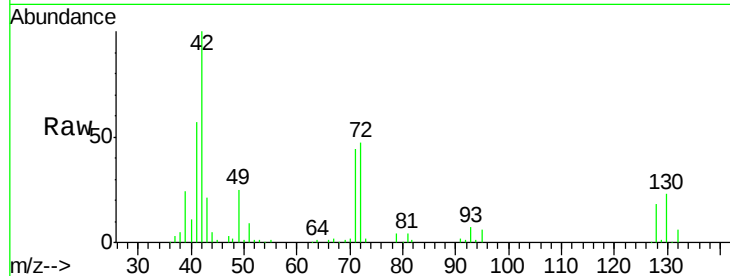
#29
Tetrahydrofuran
Concen: 226.120 ug/l
RT: 7.16 min Scan# 1687
Delta R.T. -0.00 min
Lab File: VN065046.D
Acq: 10 Dec 2020 16:14

Instrument :
MSVOA_N
ClientSampleId :
ICVVN121020

Tot Ion	Ratio	Lower	Upper
42	100		
72	46.2	35.8	53.6
71	43.0	33.5	50.3

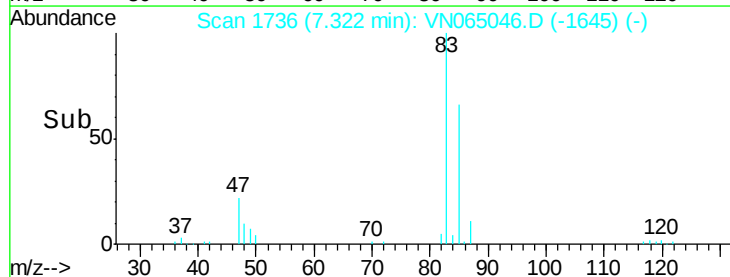
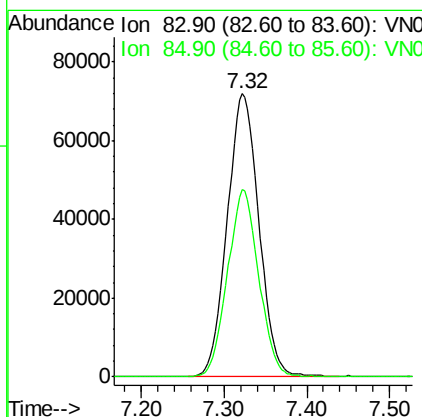
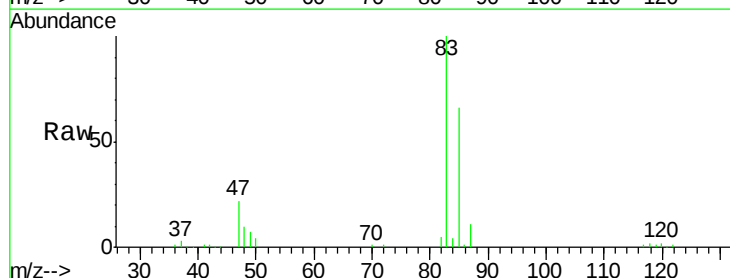
Manual Integrations
APPROVED

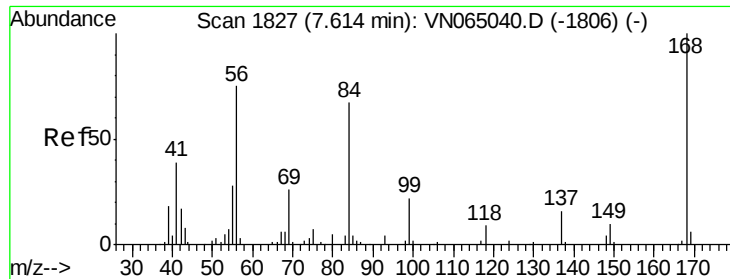
MMDadoda
12/11/2020 12:32:40 PM



#30
Chloroform
Concen: 47.688 ug/l
RT: 7.32 min Scan# 1736
Delta R.T. -0.01 min
Lab File: VN065046.D
Acq: 10 Dec 2020 16:14

Tgt Ion	Ratio	Lower	Upper
83	100		
85	66.1	52.6	78.8





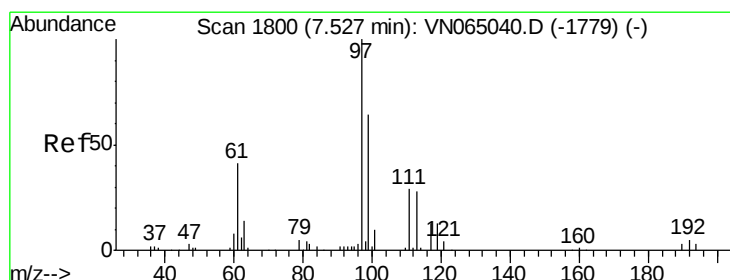
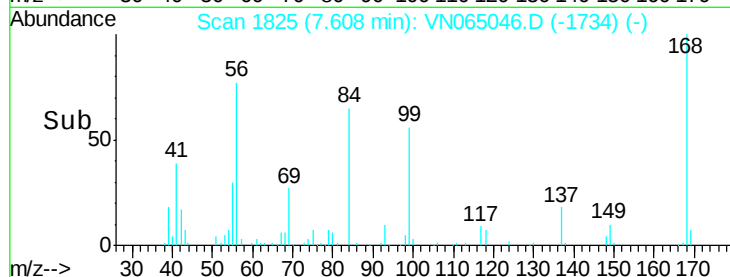
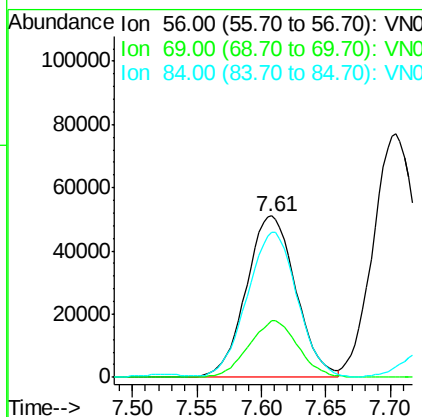
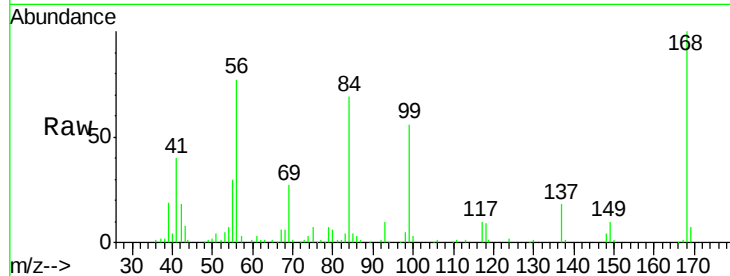
#31
Cyclohexane
Concen: 47.747 ug/l
RT: 7.61 min Scan# 1825
Delta R.T. -0.01 min
Lab File: VN065046.D
Acq: 10 Dec 2020 16:14

Instrument :
MSVOA_N
ClientSampleId :
ICVVN121020

Tot Ion	Ratio	Lower	Upper
56	100		
69	34.8	27.5	41.3
84	89.2	72.4	108.6

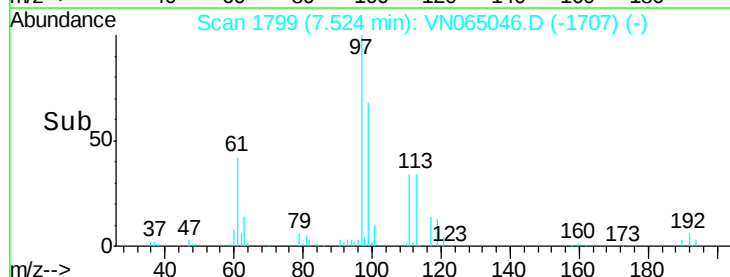
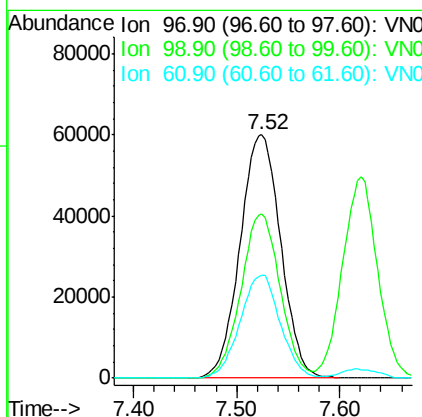
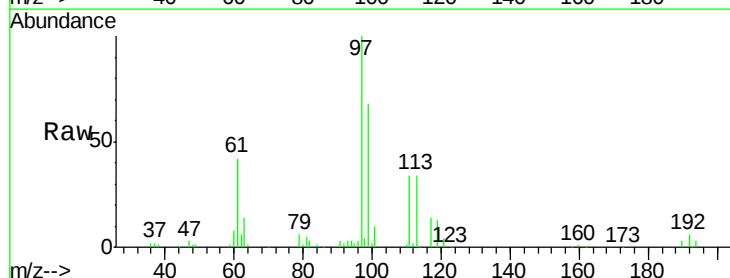
Manual Integrations
APPROVED

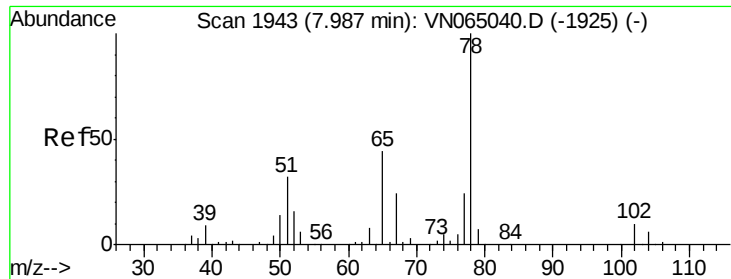
MMDadoda
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#32
1,1,1-Trichloroethane
Concen: 47.754 ug/l
RT: 7.52 min Scan# 1799
Delta R.T. -0.00 min
Lab File: VN065046.D
Acq: 10 Dec 2020 16:14

Tgt Ion	Ratio	Lower	Upper
97	100		
99	65.1	51.7	77.5
61	41.8	33.5	50.3





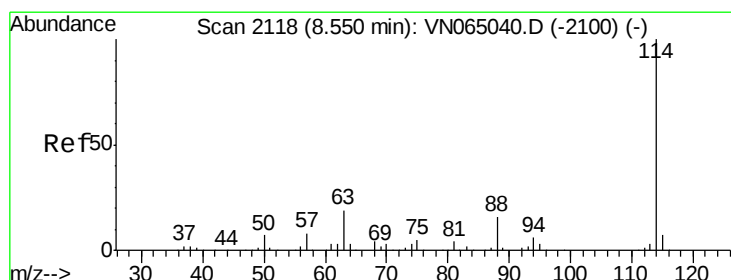
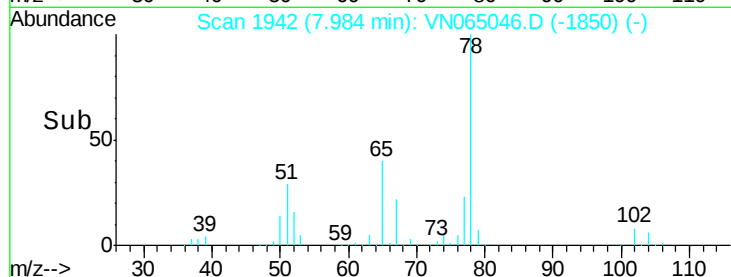
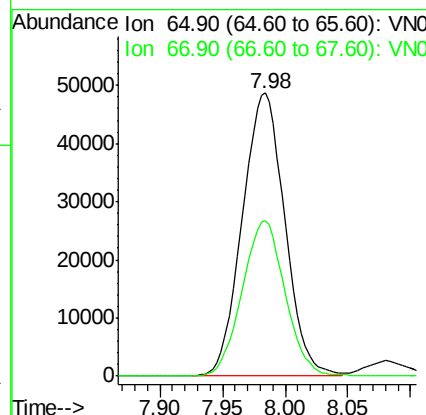
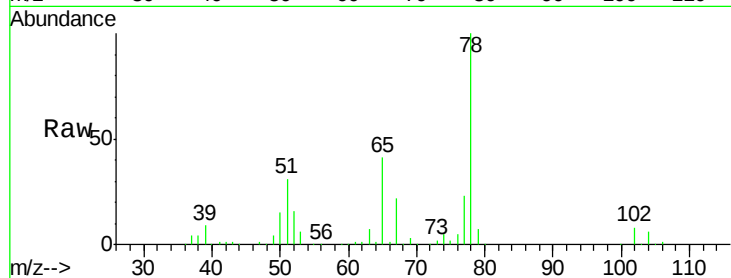
#33
 1,2-Dichloroethane-d4
 Concen: 44.760 ug/l
 RT: 7.98 min Scan# 1942
 Delta R.T. -0.00 min
 Lab File: VN065046.D
 Acq: 10 Dec 2020 16:14

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN121020

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	55.2	0.0	108.4	

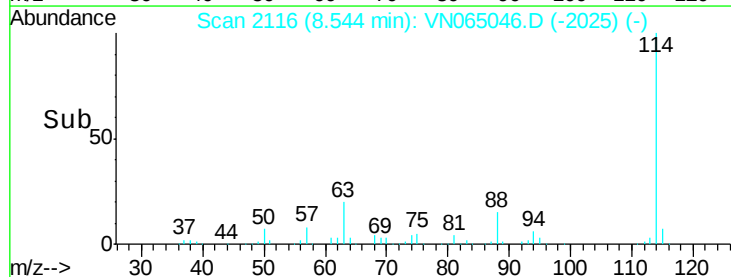
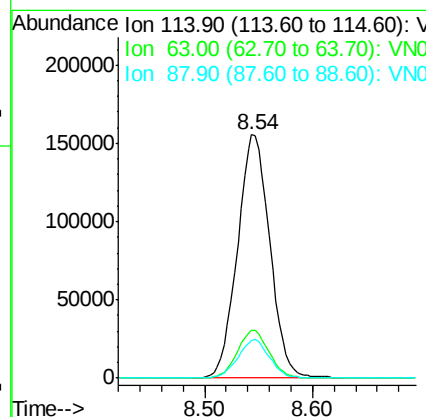
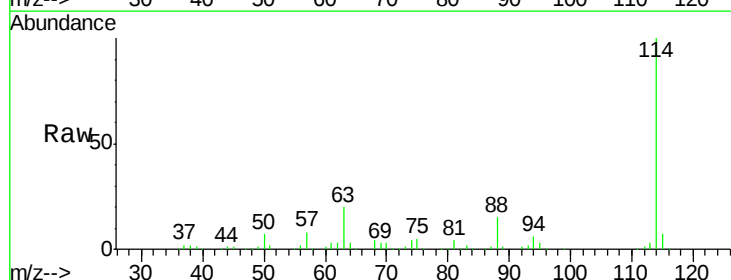
Manual Integrations
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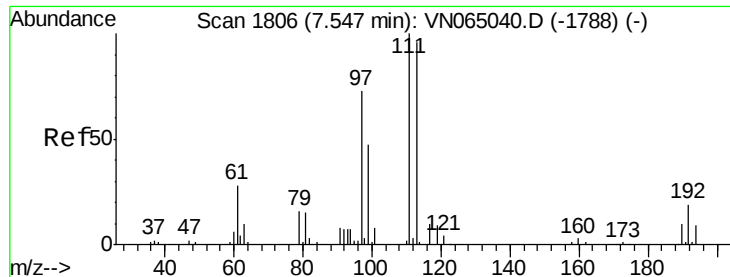
MMDadoda
 12/11/2020 12:32:40 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.54 min Scan# 2116
 Delta R.T. -0.01 min
 Lab File: VN065046.D
 Acq: 10 Dec 2020 16:14

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	19.7	0.0	38.2	
88	15.5	0.0	31.6	





#35

Dibromofluoromethane

Concen: 47.881 ug/l

RT: 7.54 min Scan# 1805

Delta R.T. -0.00 min

Lab File: VN065046.D

Acq: 10 Dec 2020 16:14

Instrument :

MSVOA_N

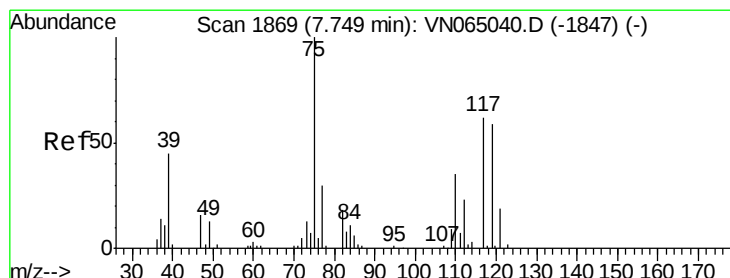
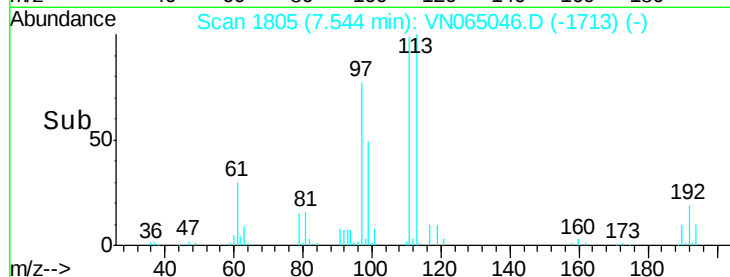
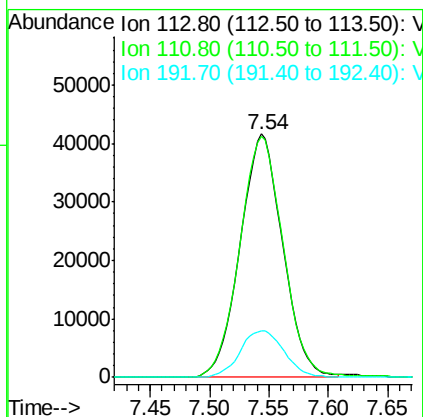
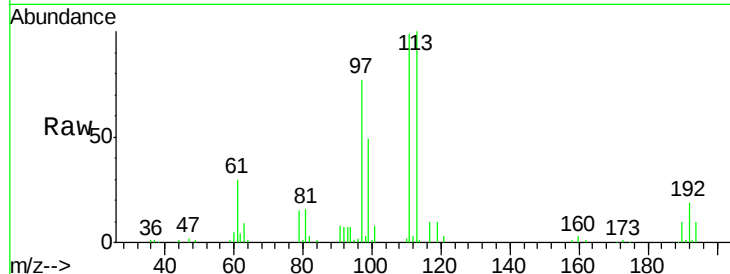
ClientSampleId :

ICVVN121020

Tot Ion:	113	Resp:	102782
Ion Ratio	Lower	Upper	
113	100		
111	101.5	83.4	125.0
192	19.8	16.2	24.2

Manual Integrations
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12/11/2020 12:32:40 PM



#36

1,1-Dichloropropene

Concen: 49.822 ug/l

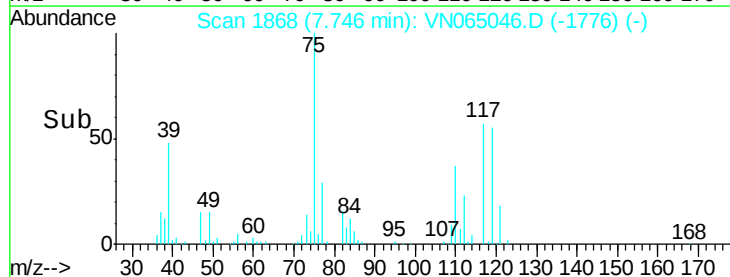
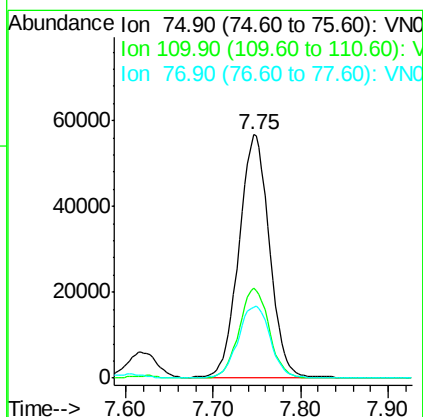
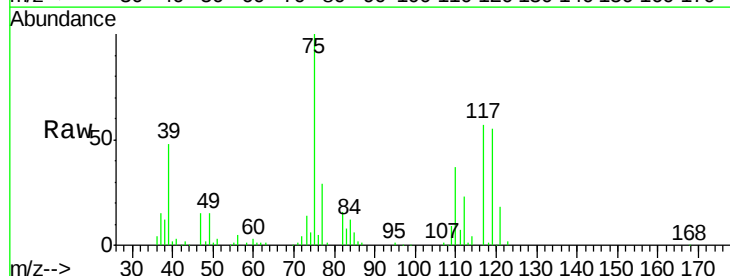
RT: 7.75 min Scan# 1868

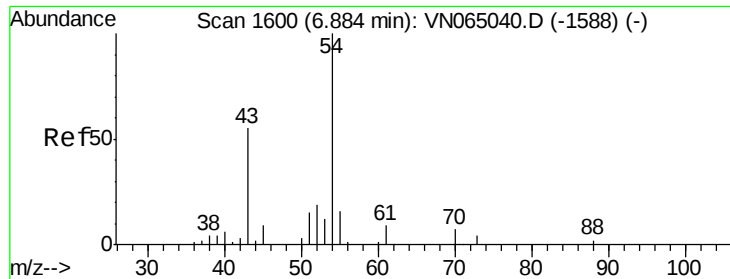
Delta R.T. -0.00 min

Lab File: VN065046.D

Acq: 10 Dec 2020 16:14

Tgt Ion:	75	Resp:	137880
Ion Ratio	Lower	Upper	
75	100		
110	36.1	18.1	54.1
77	31.1	24.5	36.7





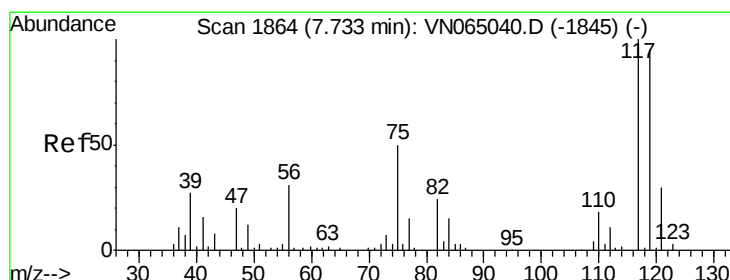
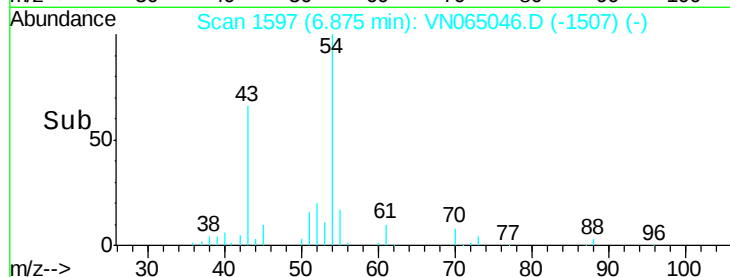
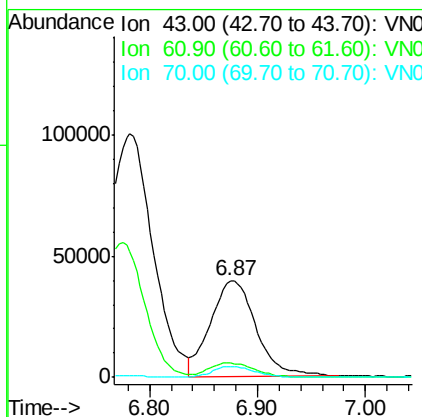
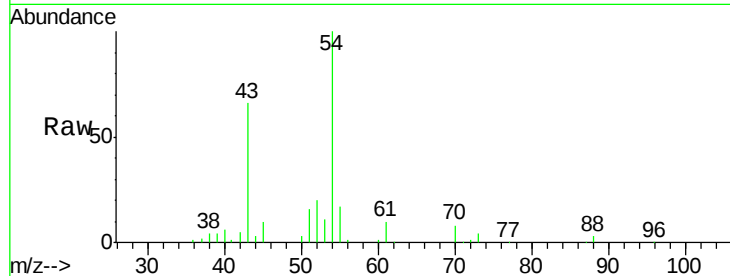
#37
Ethyl Acetate
Concen: 46.013 ug/l
RT: 6.87 min Scan# 1597
Delta R.T. -0.01 min
Lab File: VN065046.D
Acq: 10 Dec 2020 16:14

Instrument :
MSVOA_N
ClientSampleId :
ICVVN121020

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.5	11.9	17.9
70	10.8	9.2	13.8

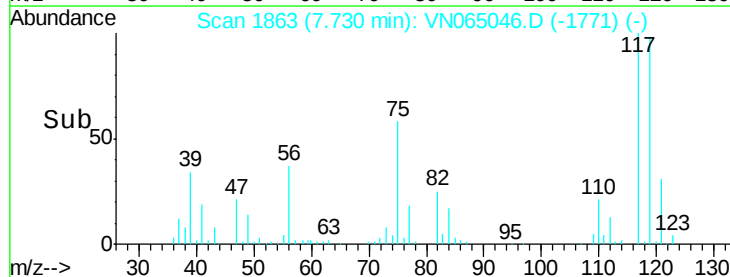
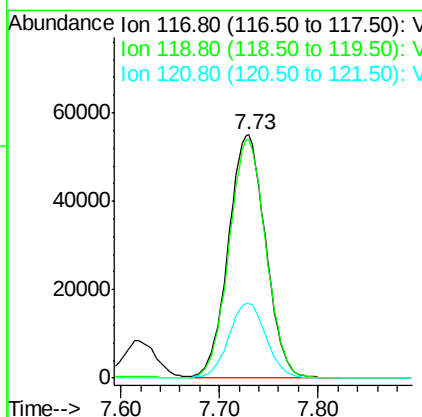
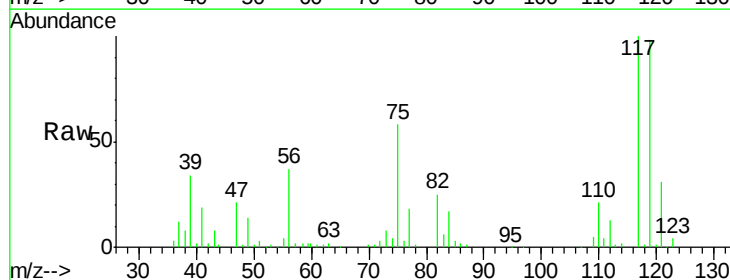
Manual Integrations
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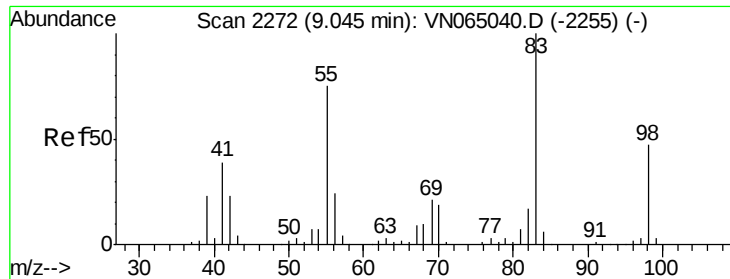
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12/11/2020 12:32:40 PM



#38
Carbon Tetrachloride
Concen: 48.990 ug/l
RT: 7.73 min Scan# 1863
Delta R.T. -0.00 min
Lab File: VN065046.D
Acq: 10 Dec 2020 16:14

Tgt Ion	Ratio	Lower	Upper
117	100		
119	97.7	75.9	113.9
121	30.8	24.1	36.1





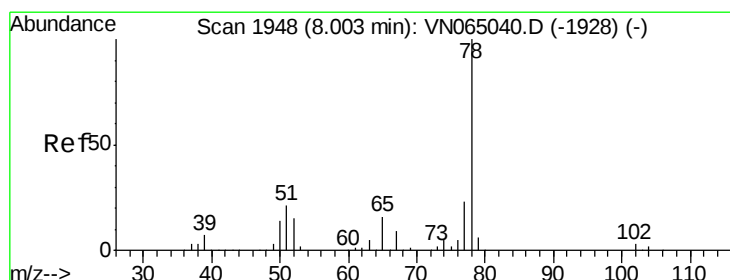
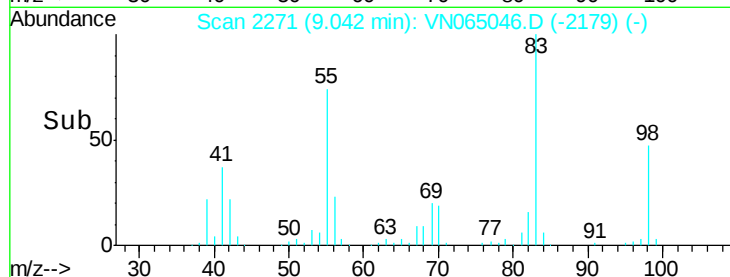
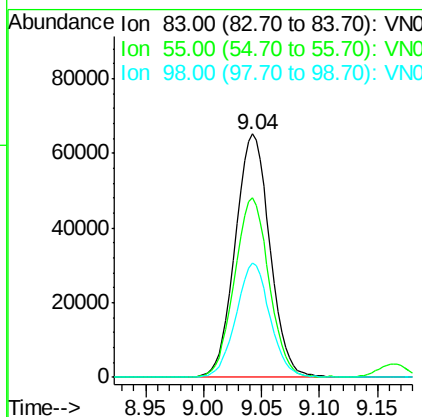
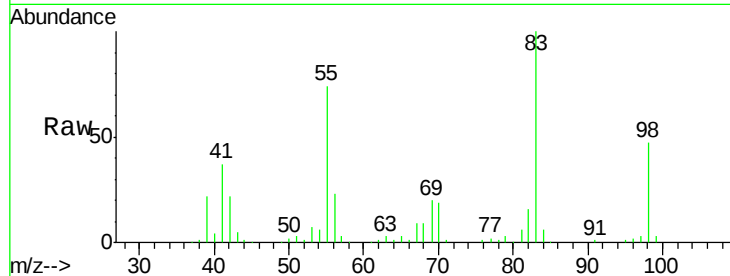
#39
Methvlcvclohexane
Concen: 49.704 ug/l
RT: 9.04 min Scan# 2271
Delta R.T. -0.00 min
Lab File: VN065046.D
Acq: 10 Dec 2020 16:14

Instrument :
MSVOA_N
ClientSampleId :
ICVVN121020

Tot Ion	Ratio	Lower	Upper
83	100		
55	73.9	60.3	90.5
98	47.1	37.4	56.0

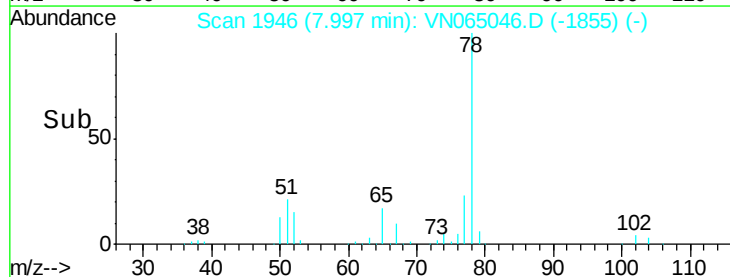
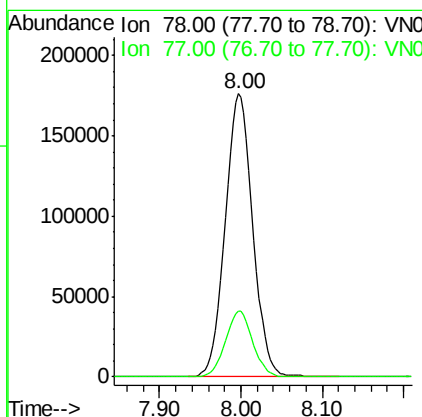
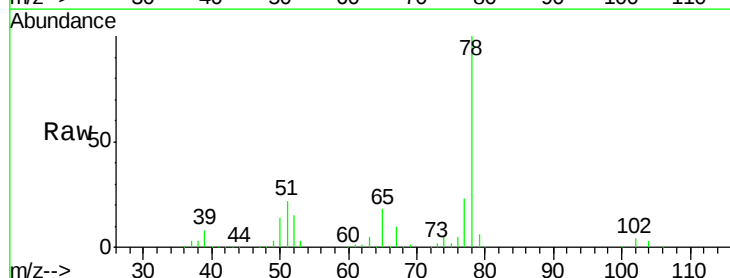
Manual Integrations
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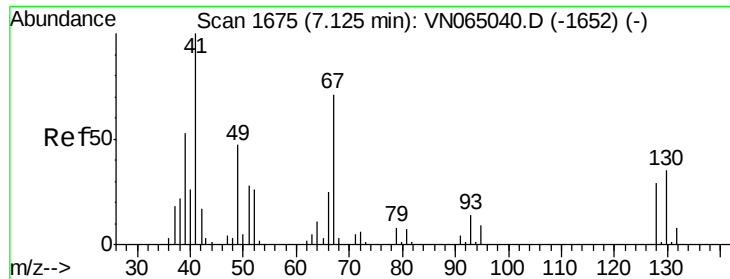
MMDadoda
12/11/2020 12:32:40 PM



#40
Benzene
Concen: 48.716 ug/l
RT: 8.00 min Scan# 1946
Delta R.T. -0.01 min
Lab File: VN065046.D
Acq: 10 Dec 2020 16:14

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.3	18.7	28.1





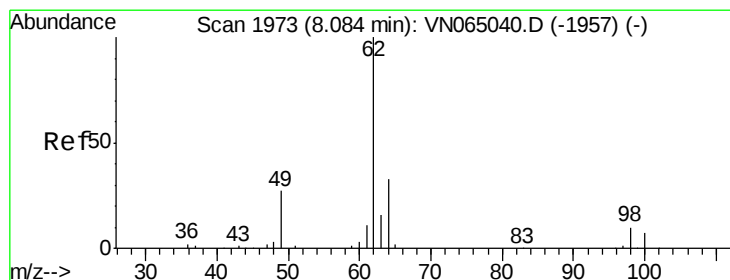
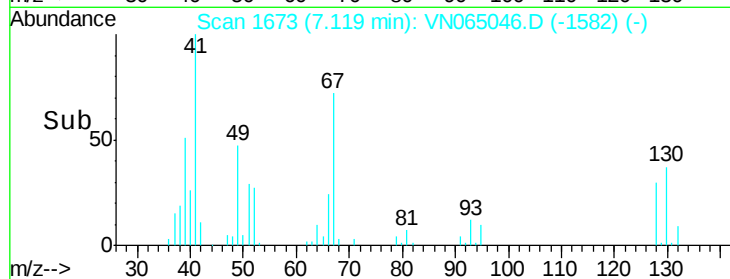
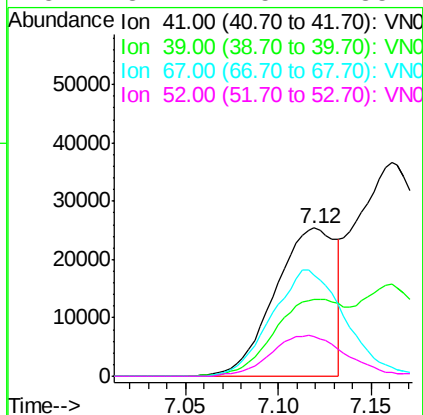
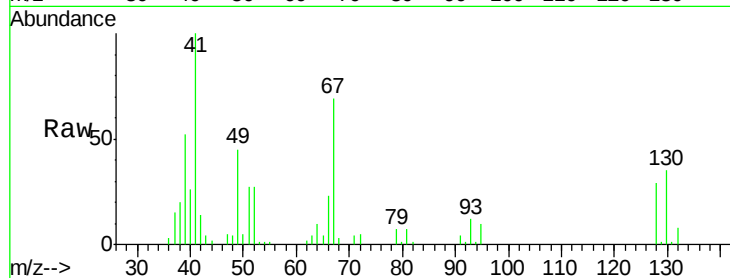
#41
Methacrylonitrile
Concen: 44.627 ug/l
RT: 7.12 min Scan# 1673
Delta R.T. -0.01 min
Lab File: VN065046.D
Acq: 10 Dec 2020 16:14

Instrument :
MSVOA_N
ClientSampleId :
ICVVN121020

Tot Ion:	41	Resp:	58350
Ion	Ratio	Lower	Upper
41	100		
39	60.8	36.0	54.0#
67	87.0	64.8	97.2
52	34.1	25.4	38.2

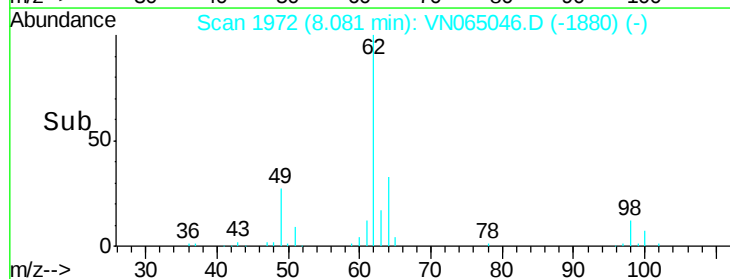
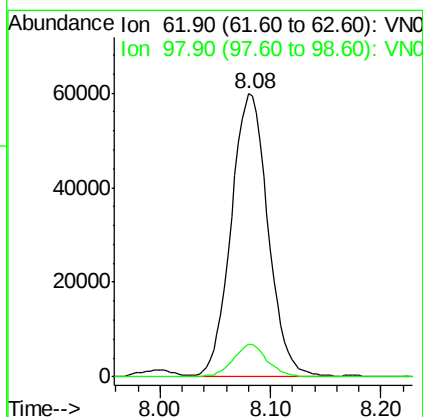
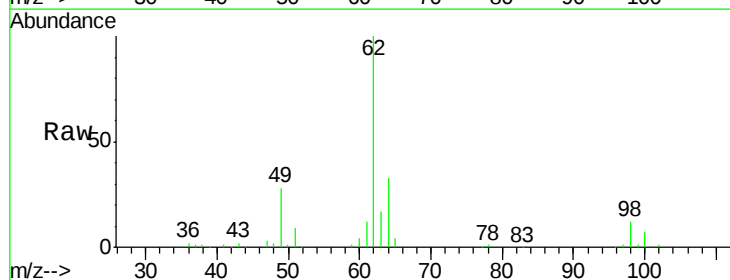
Manual Integrations
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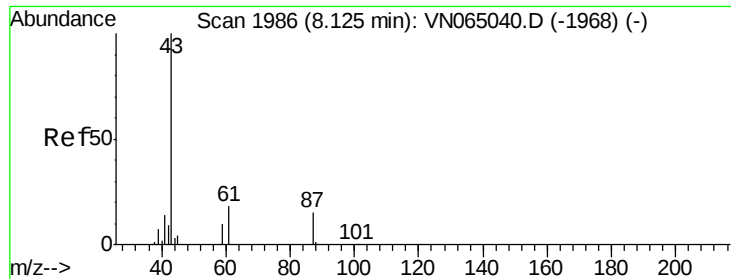
MMDadoda
12/11/2020 12:32:40 PM



#42
1,2-Dichloroethane
Concen: 47.501 ug/l
RT: 8.08 min Scan# 1972
Delta R.T. -0.00 min
Lab File: VN065046.D
Acq: 10 Dec 2020 16:14

Tgt Ion:	62	Resp:	138061
Ion	Ratio	Lower	Upper
62	100		
98	10.6	0.0	19.8





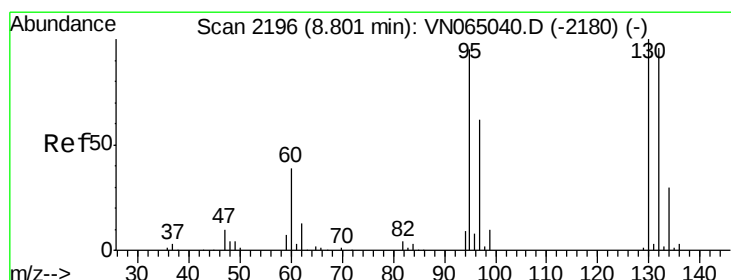
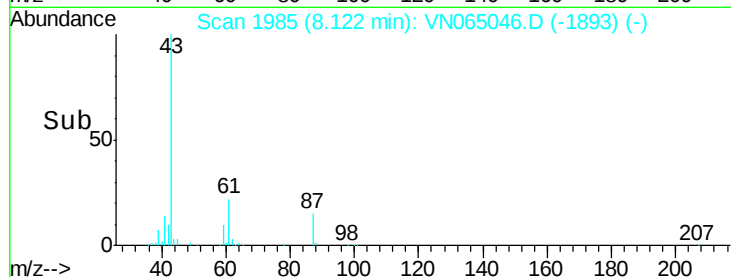
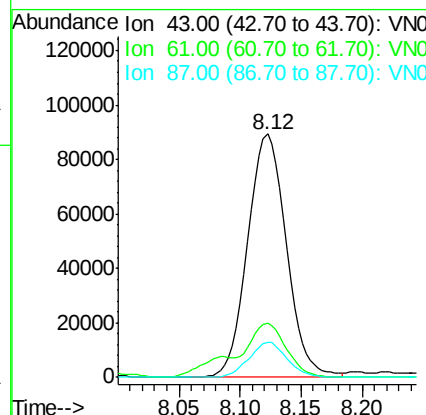
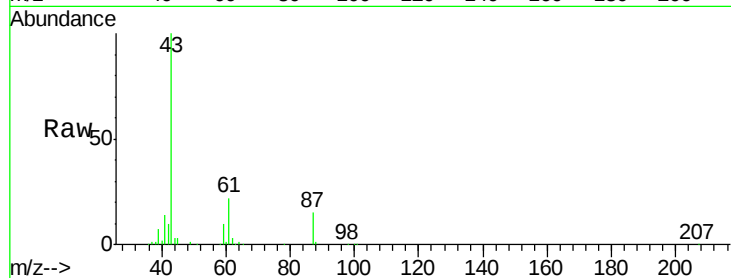
#43
Isopropyl Acetate
Concen: 46.691 ug/l
RT: 8.12 min Scan# 1985
Delta R.T. -0.00 min
Lab File: VN065046.D
Acq: 10 Dec 2020 16:14

Instrument :
MSVOA_N
ClientSampleId :
ICVVN121020

Tot Ion	Ratio	Lower	Upper
43	100		
61	21.5	16.9	25.3
87	14.2	11.4	17.2

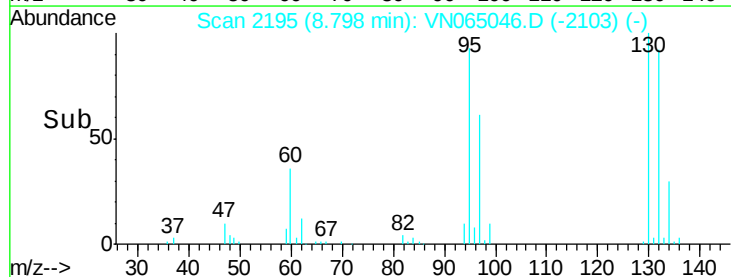
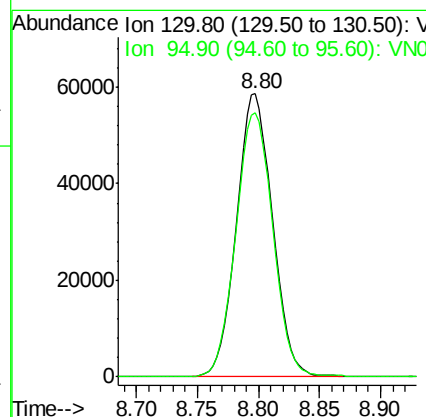
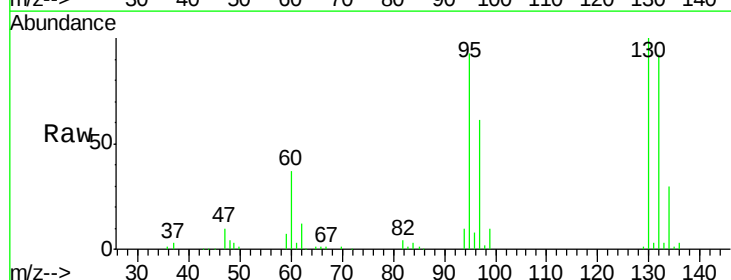
Manual Integrations
APPROVED

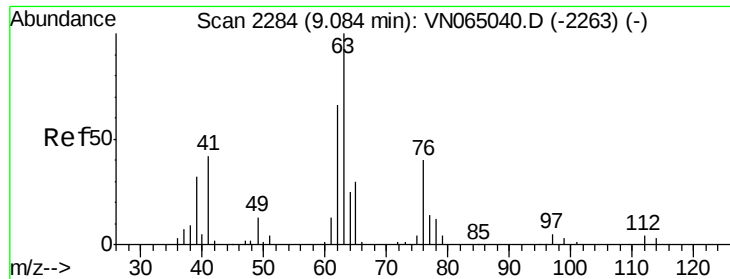
MMDadoda
12/11/2020 12:32:40 PM



#44
Trichloroethene
Concen: 50.144 ug/l
RT: 8.80 min Scan# 2195
Delta R.T. -0.00 min
Lab File: VN065046.D
Acq: 10 Dec 2020 16:14

Tgt Ion	Ratio	Lower	Upper
130	100		
95	93.4	0.0	190.2





#45

1,2-Dichloropropane

Concen: 49.402 ug/l

RT: 9.08 min Scan# 2282

Delta R.T. -0.01 min

Lab File: VN065046.D

Acq: 10 Dec 2020 16:14

Instrument :

MSVOA_N

ClientSampleId :

ICVVN121020

Tot Ion: 63 Resp: 114551

Ion Ratio Lower Upper

63 100

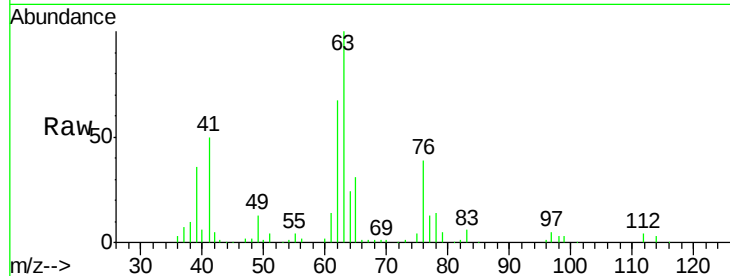
65 30.8 24.0 36.0

Manual Integrations

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Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0

60000

50000

40000

30000

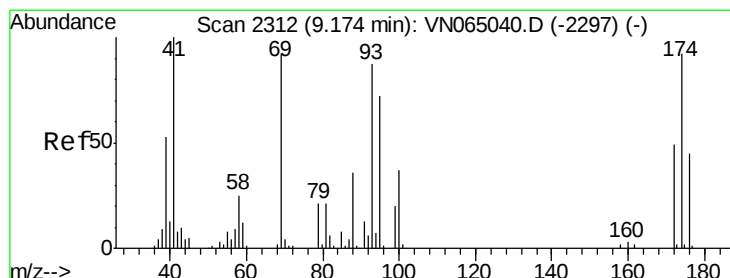
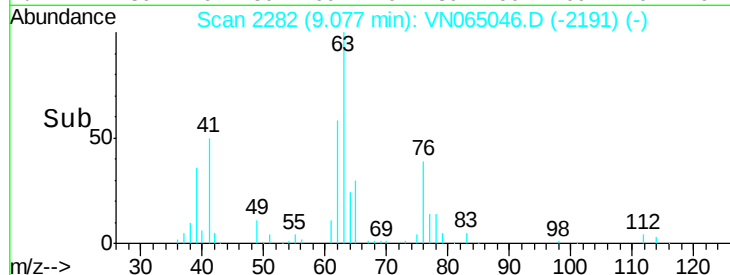
20000

10000

0

9.00 9.05 9.10 9.15

Time-->



#46

Dibromomethane

Concen: 48.445 ug/l

RT: 9.17 min Scan# 2311

Delta R.T. -0.00 min

Lab File: VN065046.D

Acq: 10 Dec 2020 16:14

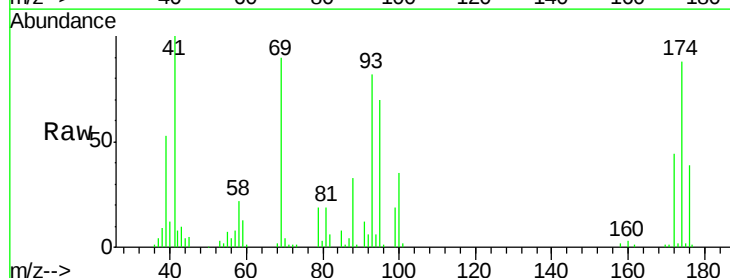
Tgt Ion: 93 Resp: 72770

Ion Ratio Lower Upper

93 100

95 82.6 65.7 98.5

174 105.7 83.0 124.4



Abundance Ion 92.80 (92.50 to 93.50): VN0

Ion 94.80 (94.50 to 95.50): VN0

Ion 173.70 (173.40 to 174.40): V

50000

40000

30000

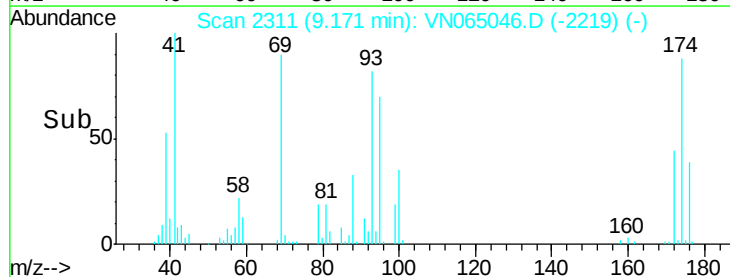
20000

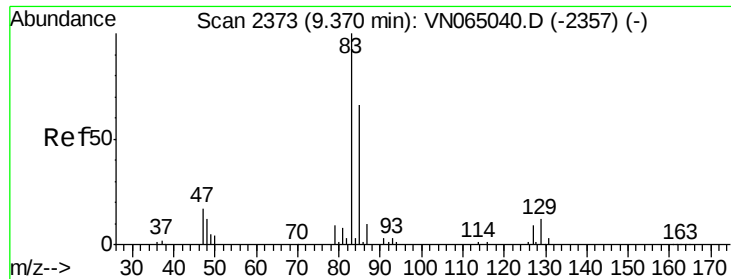
10000

0

9.10 9.15 9.20 9.25

Time-->





#47

Bromodichloromethane

Concen: 49.008 ug/l

RT: 9.37 min Scan# 2372

Delta R.T. -0.00 min

Lab File: VN065046.D

Acq: 10 Dec 2020 16:14

Instrument :

MSVOA_N

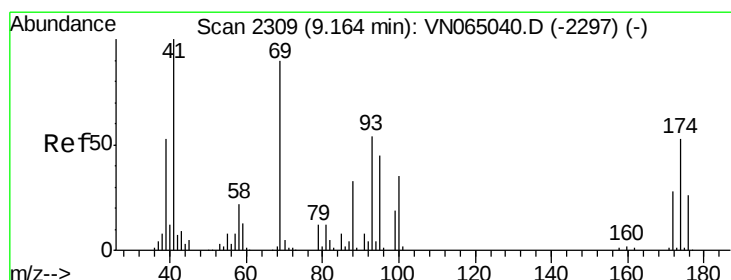
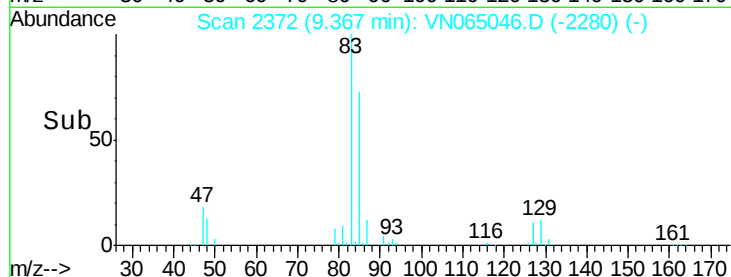
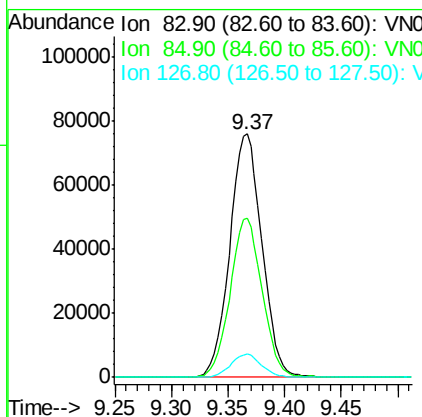
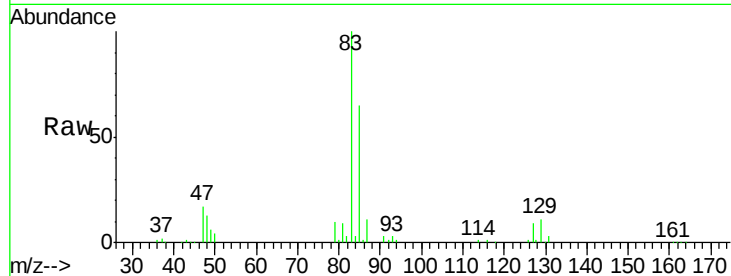
ClientSampleId :

ICVVN121020

Tot Ion:	83	Resp:	150789
Ion Ratio	Lower	Upper	
83	100		
85	65.5	52.5	78.7
127	9.5	7.1	10.7

Manual Integrations
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#48

Methyl methacrylate

Concen: 49.159 ug/l

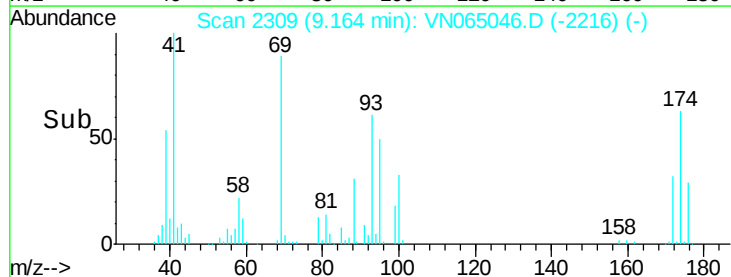
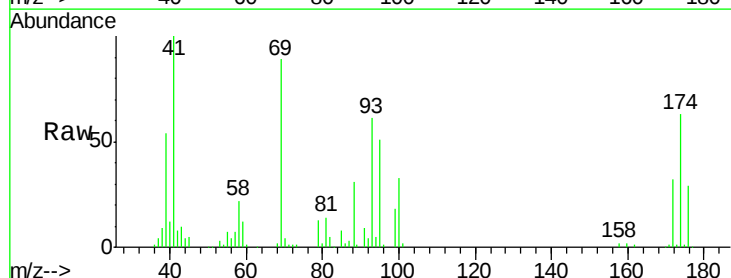
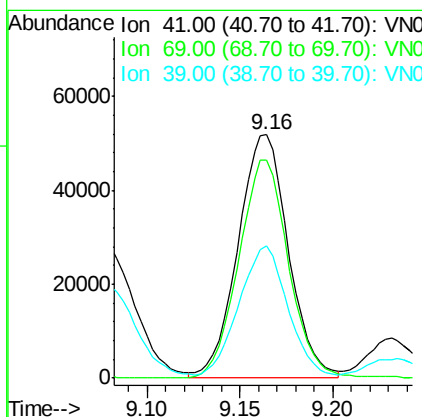
RT: 9.16 min Scan# 2309

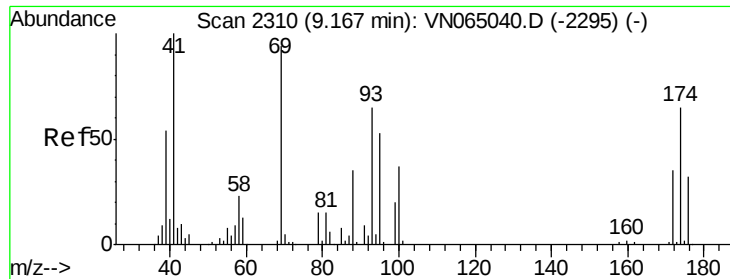
Delta R.T. 0.00 min

Lab File: VN065046.D

Acq: 10 Dec 2020 16:14

Tgt Ion:	41	Resp:	97613
Ion Ratio	Lower	Upper	
41	100		
69	89.5	72.1	108.1
39	53.7	43.8	65.6





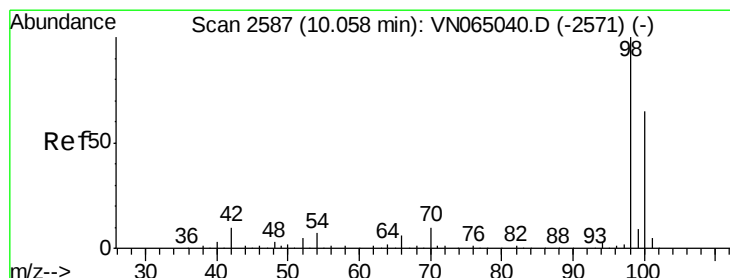
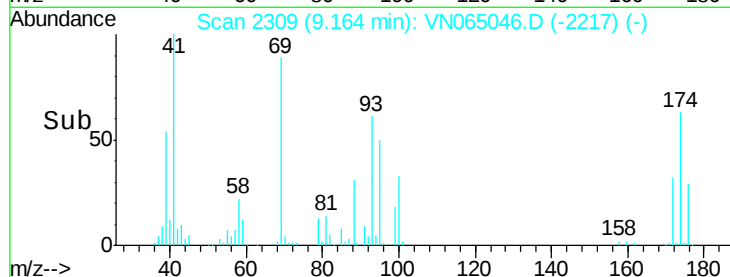
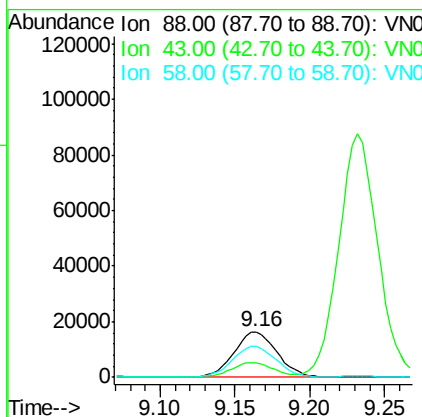
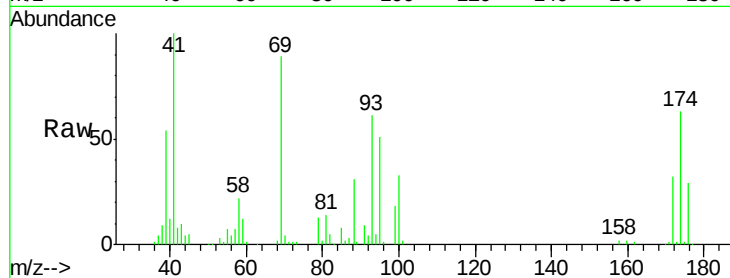
#49
1,4-Dioxane
Concen: 921.751 ug/l
RT: 9.16 min Scan# 2309
Delta R.T. -0.00 min
Lab File: VN065046.D
Acq: 10 Dec 2020 16:14

Instrument :
MSVOA_N
ClientSampleId :
ICVVN121020

Tot Ion	Ratio	Lower	Upper
88	100		
43	30.8	21.1	31.7
58	69.9	53.8	80.8

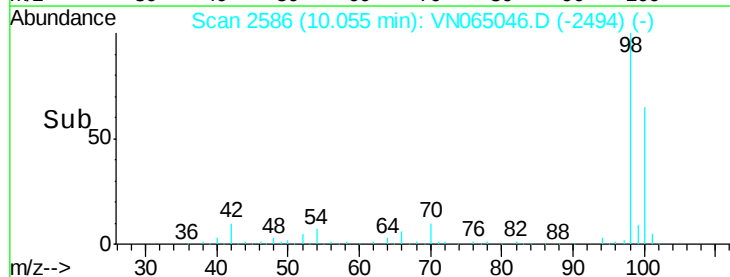
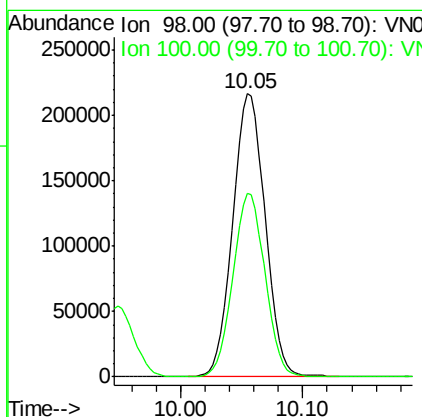
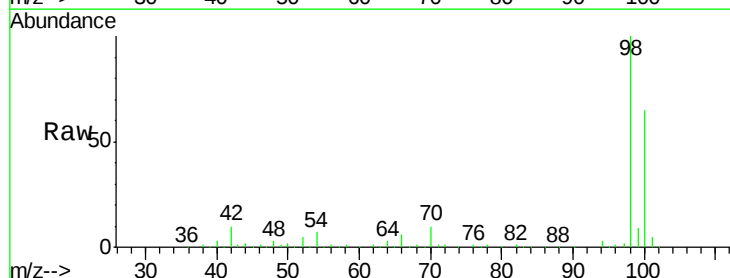
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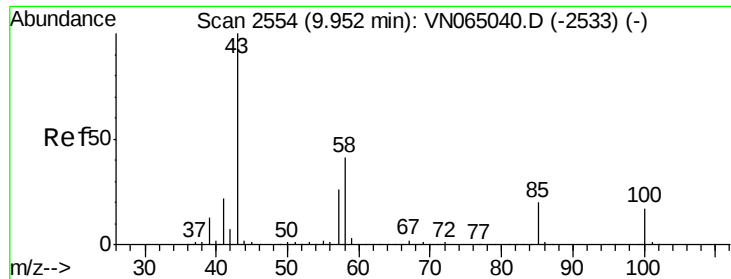
MMDadoda
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#50
Toluene-d8
Concen: 48.452 ug/l
RT: 10.05 min Scan# 2586
Delta R.T. -0.00 min
Lab File: VN065046.D
Acq: 10 Dec 2020 16:14

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.3	51.6	77.4





#51

4-Methyl-2-Pentanone

Concen: 236.343 ug/l

RT: 9.95 min Scan# 2553

Delta R.T. -0.00 min

Lab File: VN065046.D

Acq: 10 Dec 2020 16:14

Instrument :

MSVOA_N

ClientSampleId :

ICVVN121020

Tot Ion: 43 Resp: 591024

Ion Ratio Lower Upper

43 100

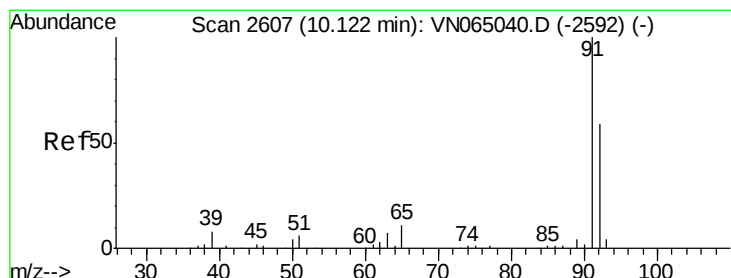
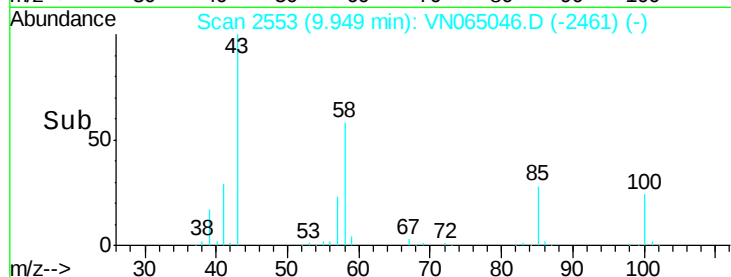
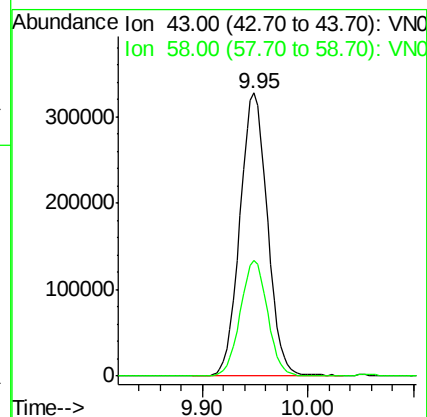
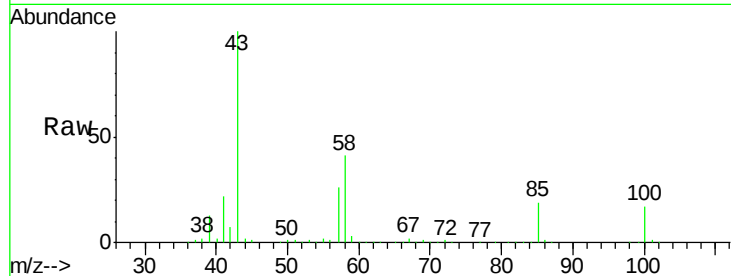
58 40.5 32.4 48.6

Manual Integrations

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#52

Toluene

Concen: 49.340 ug/l

RT: 10.12 min Scan# 2606

Delta R.T. -0.00 min

Lab File: VN065046.D

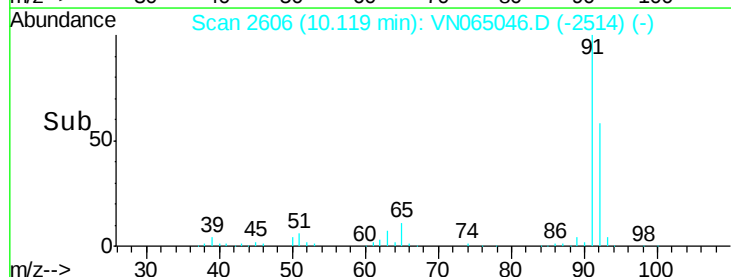
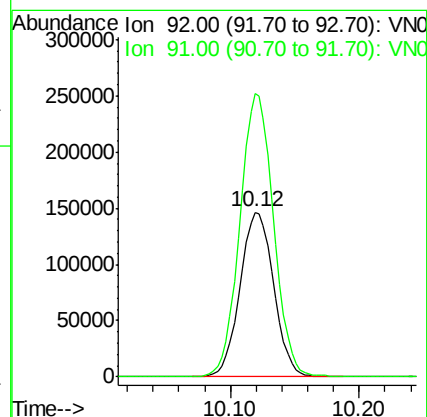
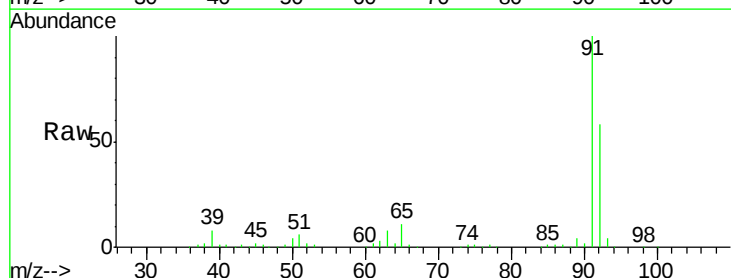
Acq: 10 Dec 2020 16:14

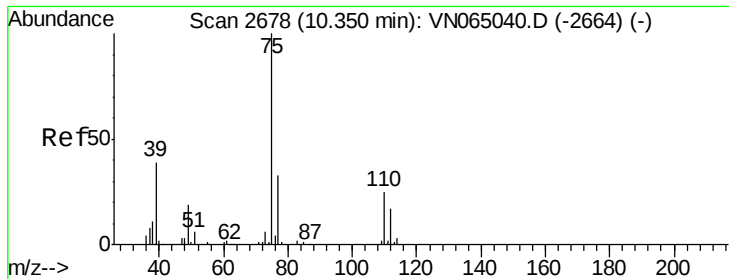
Tgt Ion: 92 Resp: 265027

Ion Ratio Lower Upper

92 100

91 172.7 137.9 206.9





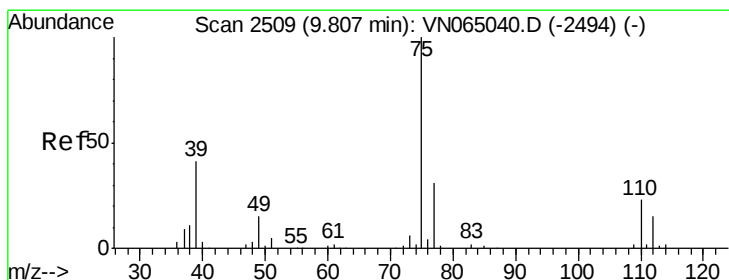
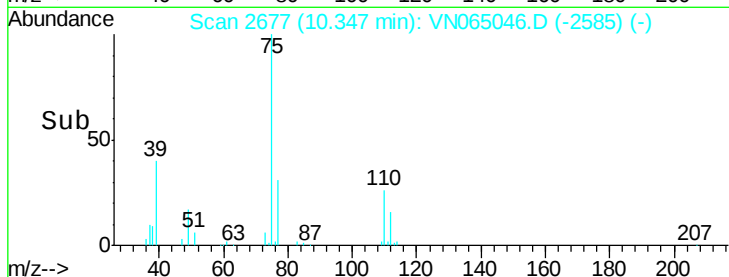
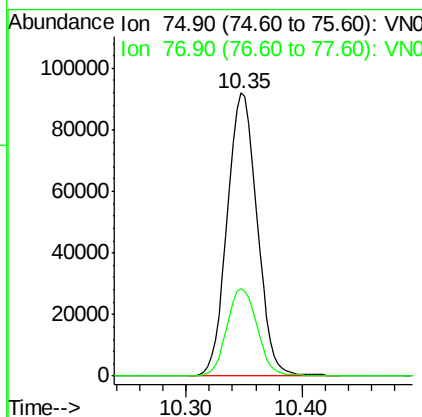
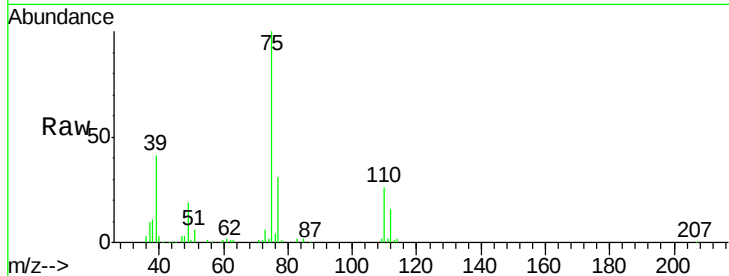
#53
t-1,3-Dichloropropene
Concen: 50.092 ug/l
RT: 10.35 min Scan# 2677
Delta R.T. -0.00 min
Lab File: VN065046.D
Acq: 10 Dec 2020 16:14

Instrument :
MSVOA_N
ClientSampleId :
ICVVN121020

Tot Ion: 75 Resp: 164257
Ion Ratio Lower Upper
75 100
77 30.8 26.0 39.0

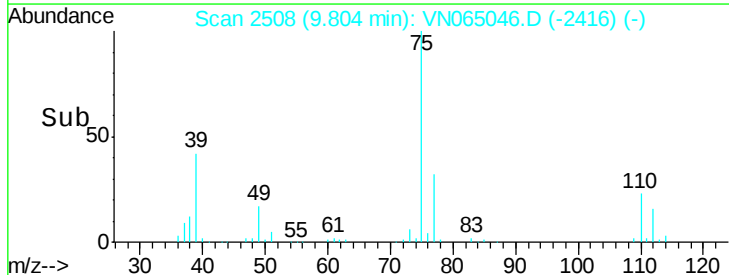
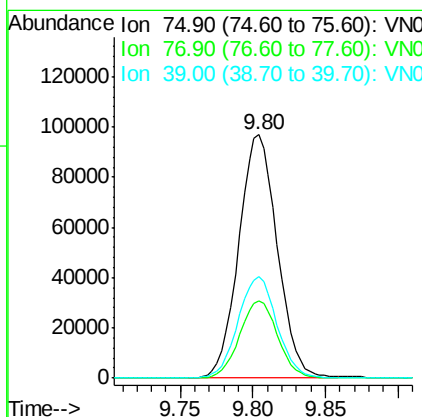
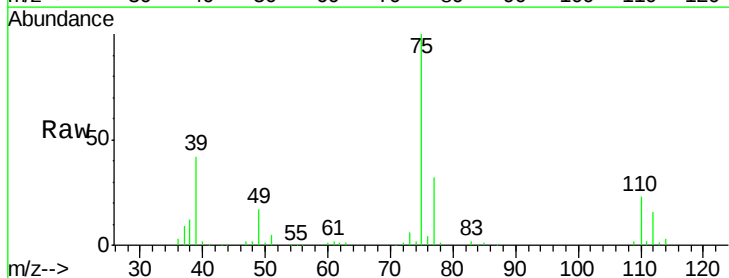
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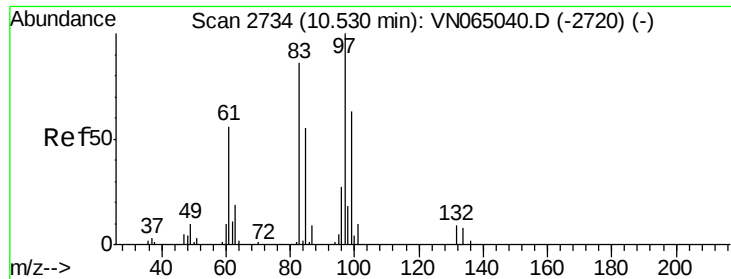
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#54
cis-1,3-Dichloropropene
Concen: 48.849 ug/l
RT: 9.80 min Scan# 2508
Delta R.T. -0.00 min
Lab File: VN065046.D
Acq: 10 Dec 2020 16:14

Tgt Ion: 75 Resp: 179163
Ion Ratio Lower Upper
75 100
77 31.8 24.8 37.2
39 41.5 33.0 49.4





#55

1,1,2-Trichloroethane

Concen: 48.540 ug/l

RT: 10.53 min Scan# 2733

Delta R.T. -0.00 min

Lab File: VN065046.D

Acq: 10 Dec 2020 16:14

Instrument :

MSVOA_N

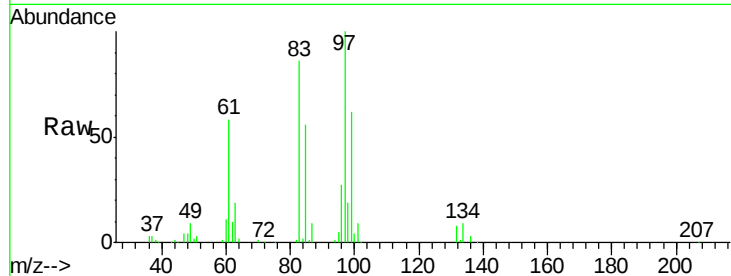
ClientSampleId :

ICVVN121020

Tot Ion:	97	Resp:	107954
Ion	Ratio	Lower	Upper
97	100		
83	85.6	69.0	103.6
85	56.0	43.6	65.4
99	62.2	50.1	75.1

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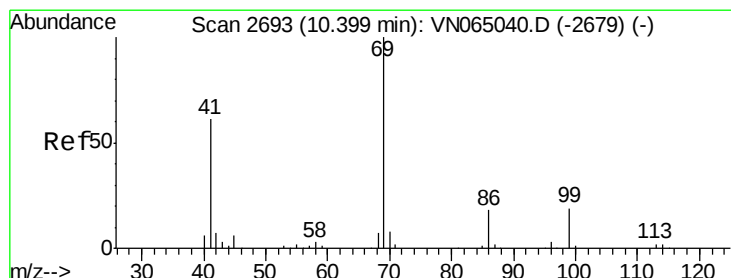
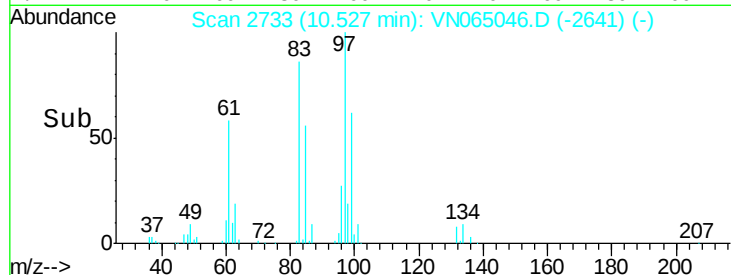
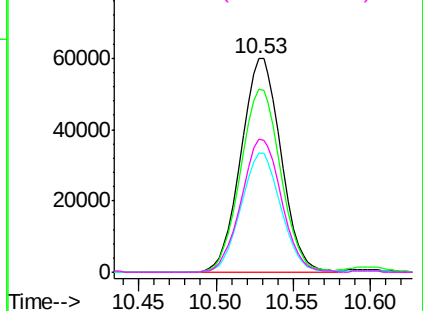


Abundance Ion 96.90 (96.60 to 97.60): VN0

Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

Ion 98.90 (98.60 to 99.60): VN0



#56

Ethyl methacrylate

Concen: 49.755 ug/l

RT: 10.40 min Scan# 2692

Delta R.T. -0.00 min

Lab File: VN065046.D

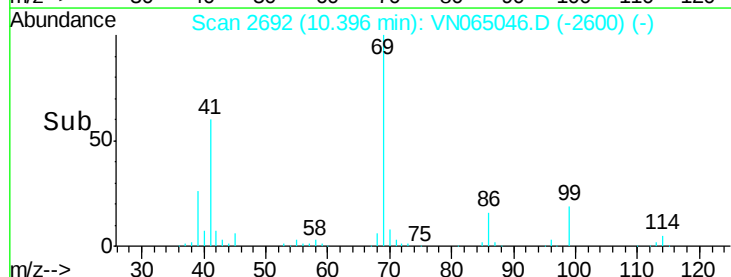
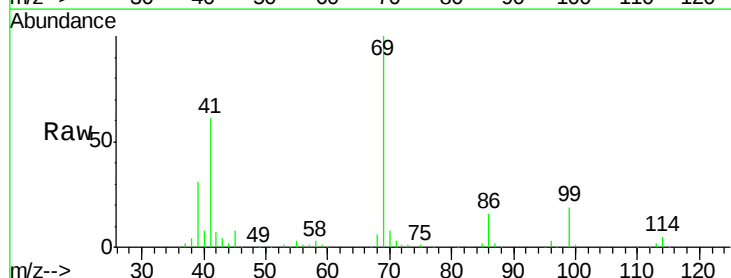
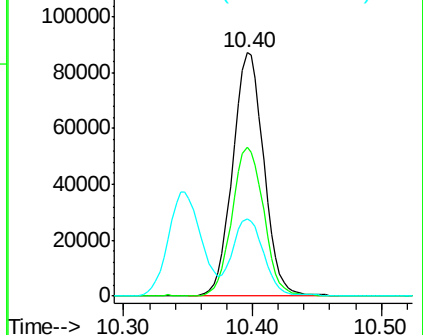
Acq: 10 Dec 2020 16:14

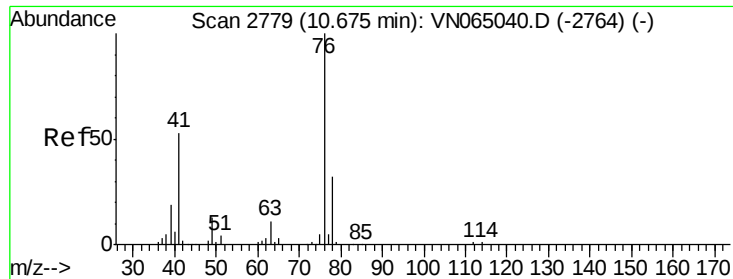
Tgt Ion:	69	Resp:	146130
Ion	Ratio	Lower	Upper
69	100		
41	62.7	48.2	72.2
39	32.2	24.7	37.1

Abundance Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0





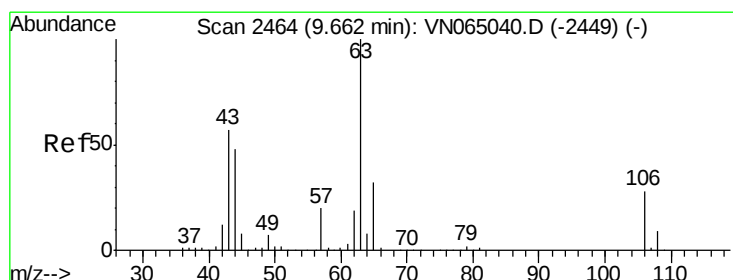
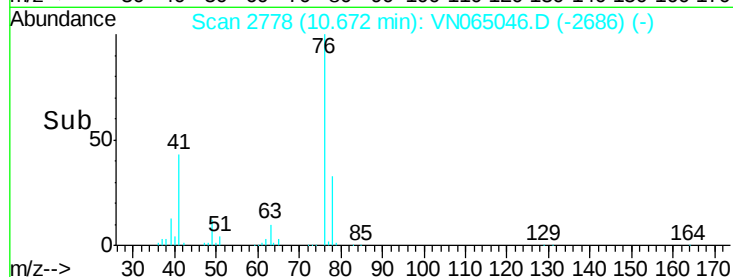
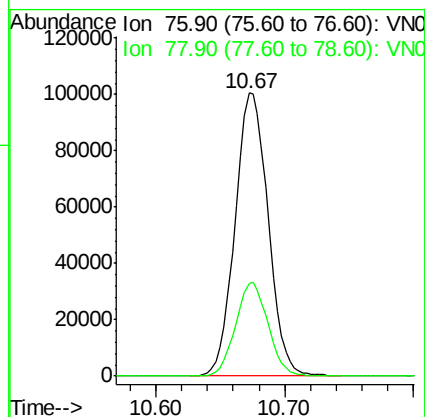
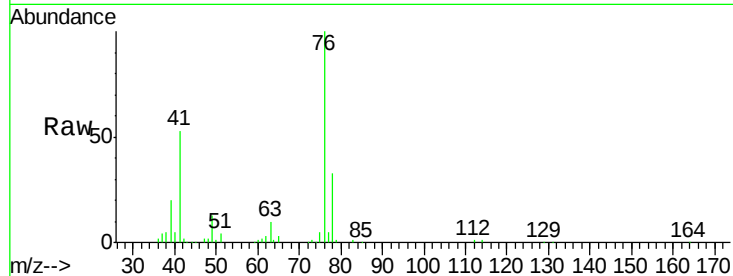
#57
 1,3-Dichloropropane
 Concen: 49.053 ug/l
 RT: 10.67 min Scan# 2778
 Delta R.T. -0.00 min
 Lab File: VN065046.D
 Acq: 10 Dec 2020 16:14

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN121020

Tot Ion: 76 Resp: 179486
 Ion Ratio Lower Upper
 76 100
 78 32.5 26.5 39.7

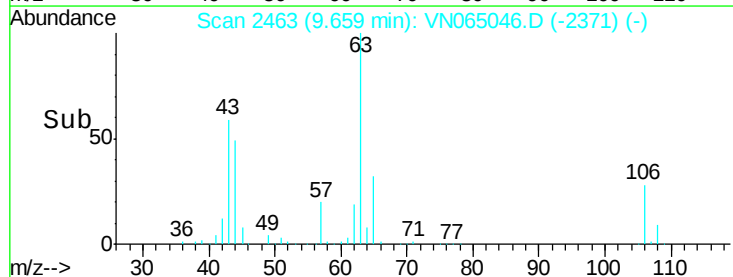
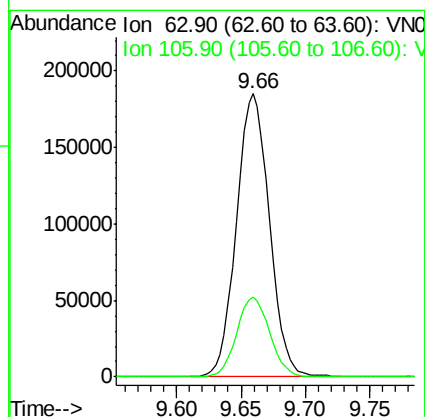
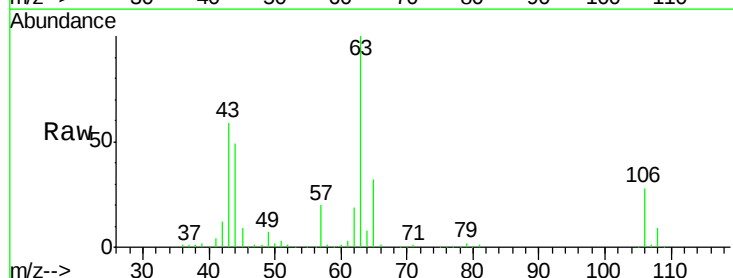
Manual Integrations
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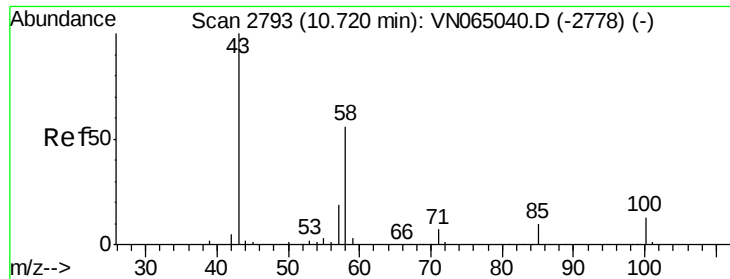
MMDadoda
 12/11/2020 12:32:40 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 210.293 ug/l
 RT: 9.66 min Scan# 2463
 Delta R.T. -0.00 min
 Lab File: VN065046.D
 Acq: 10 Dec 2020 16:14

Tgt Ion: 63 Resp: 329122
 Ion Ratio Lower Upper
 63 100
 106 28.3 22.6 33.8





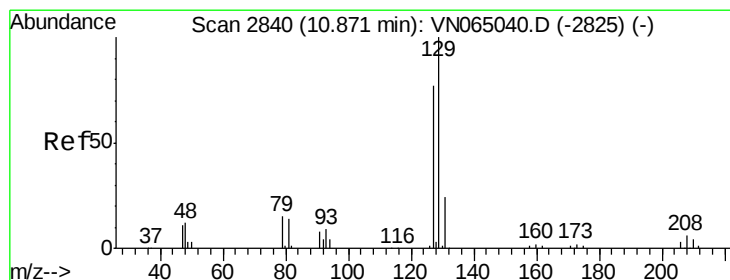
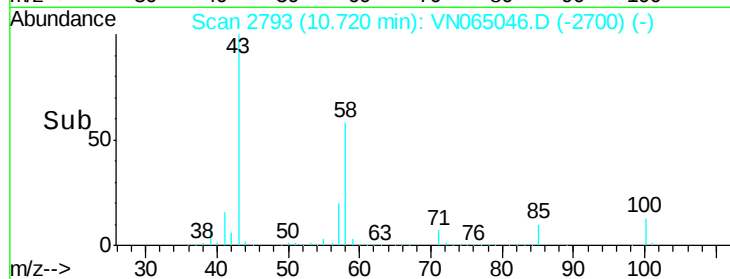
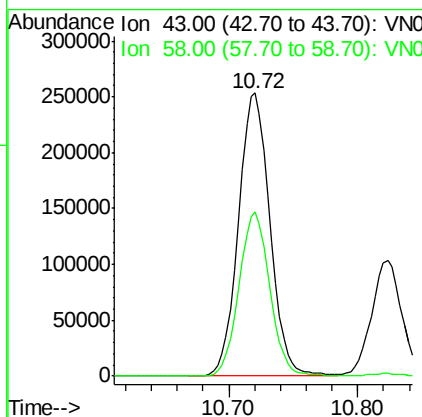
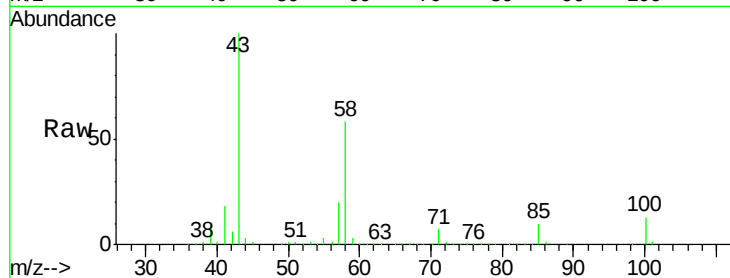
#59
2-Hexanone
Concen: 238.320 ug/l
RT: 10.72 min Scan# 2793
Delta R.T. 0.00 min
Lab File: VN065046.D
Acq: 10 Dec 2020 16:14

Instrument :
MSVOA_N
ClientSampleId :
ICVVN121020

Tot Ion	Ratio	Lower	Upper
43	100		
58	56.8	28.3	84.9

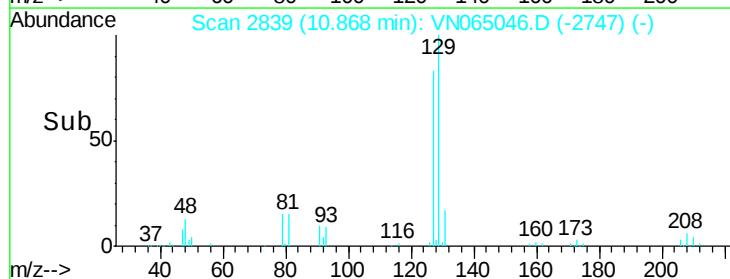
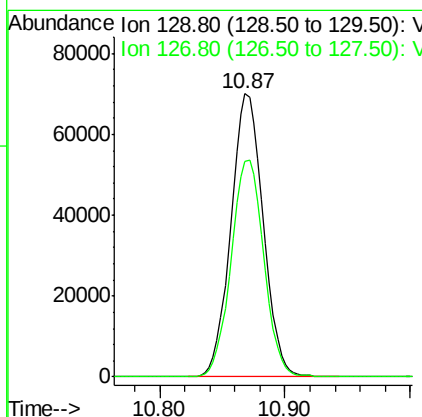
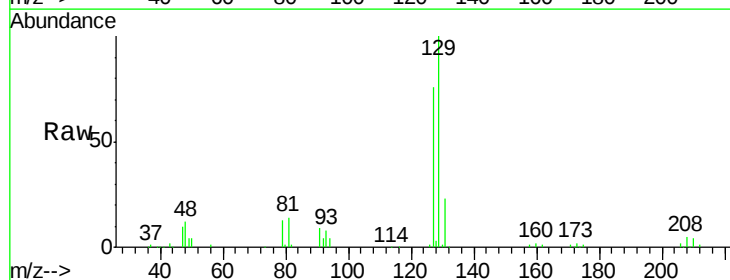
Manual Integrations
APPROVED

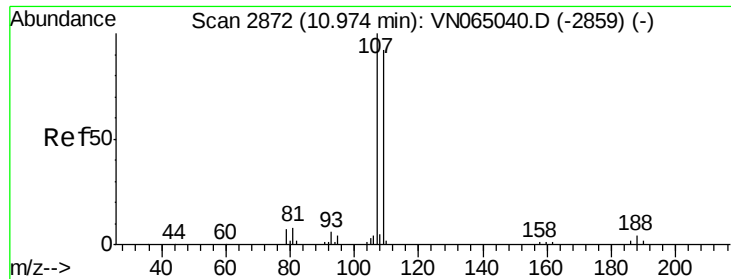
MMDadoda
12/11/2020 12:32:40 PM



#60
Dibromochloromethane
Concen: 49.514 ug/l
RT: 10.87 min Scan# 2839
Delta R.T. -0.00 min
Lab File: VN065046.D
Acq: 10 Dec 2020 16:14

Tgt Ion	Ratio	Lower	Upper
129	100		
127	77.5	38.4	115.1





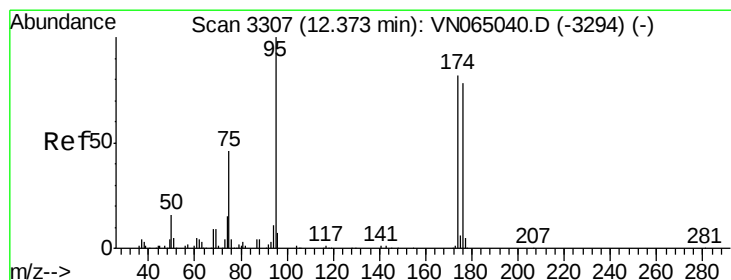
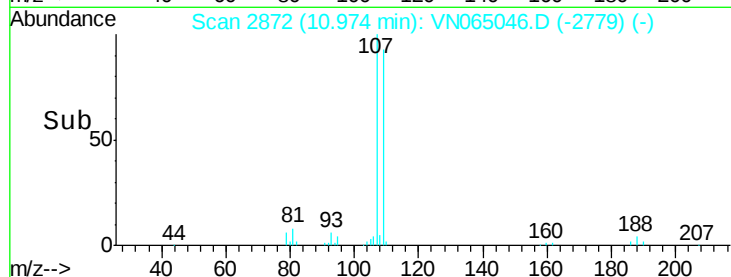
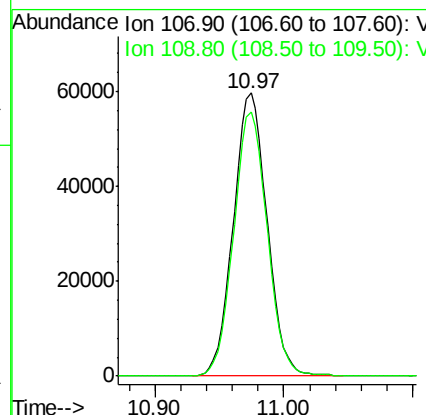
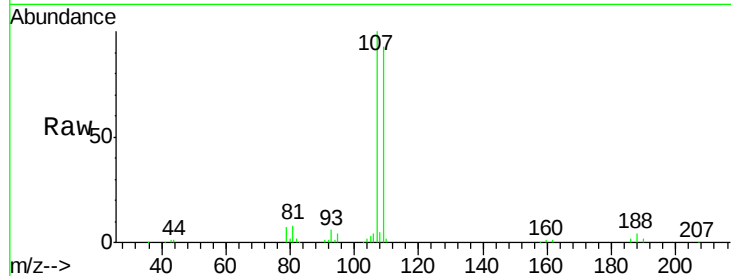
#61
 1,2-Dibromoethane
 Concen: 48.688 ug/l
 RT: 10.97 min Scan# 2872
 Delta R.T. 0.00 min
 Lab File: VN065046.D
 Acq: 10 Dec 2020 16:14

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN121020

Tot Ion	Ratio	Resp	Lower	Upper
107	100	108389		
109	93.2	74.1	111.1	

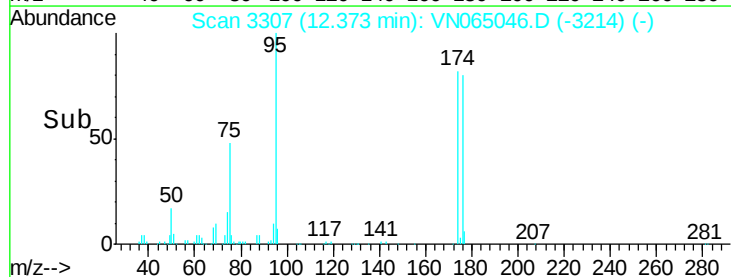
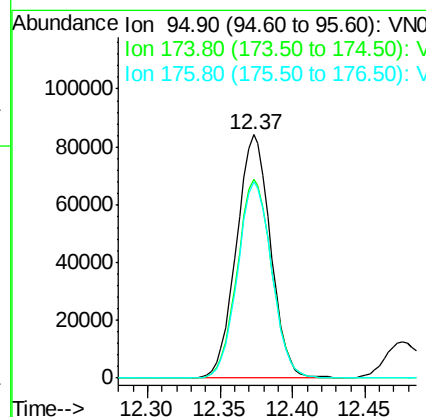
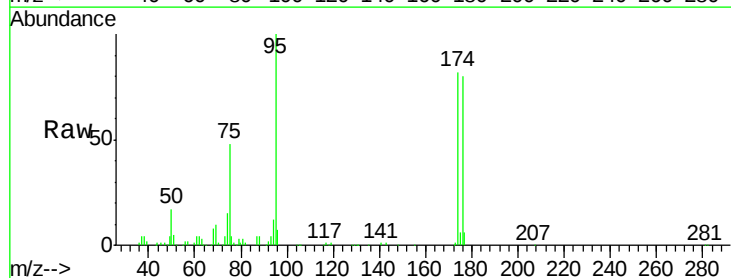
Manual Integrations
 APPROVED

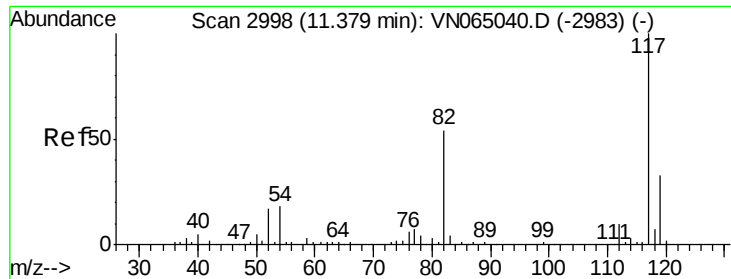
MMDadoda
 12/11/2020 12:32:40 PM



#62
 4-Bromofluorobenzene
 Concen: 48.777 ug/l
 RT: 12.37 min Scan# 3307
 Delta R.T. 0.00 min
 Lab File: VN065046.D
 Acq: 10 Dec 2020 16:14

Tgt Ion	Ratio	Resp	Lower	Upper
95	100	137682		
174	82.6	0.0	164.8	
176	80.7	0.0	158.8	





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.38 min Scan# 2997

Delta R.T. -0.00 min

Lab File: VN065046.D

Acq: 10 Dec 2020 16:14

Instrument :

MSVOA_N

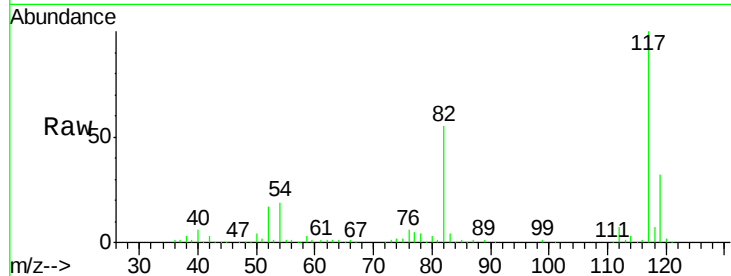
ClientSampleId :

ICVVN121020

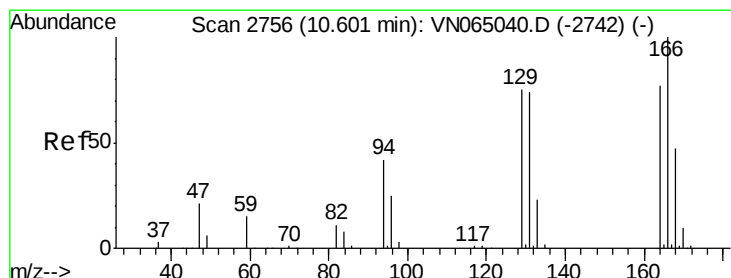
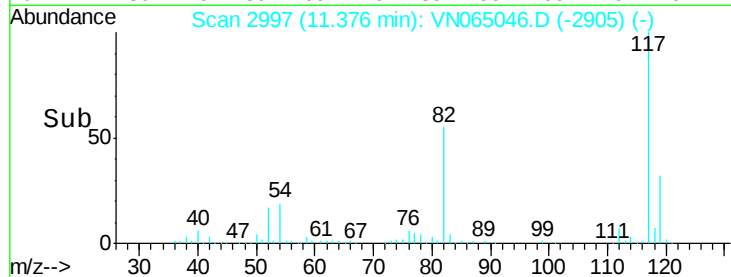
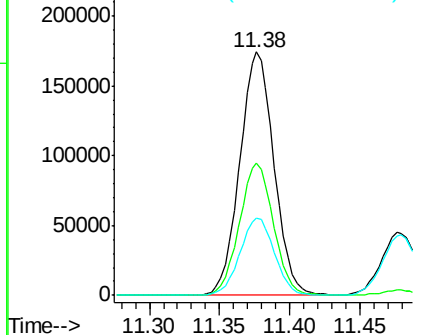
Tot Ion:	117	Resp:	296229
Ion Ratio	Lower	Upper	
117	100		
82	54.6	43.5	65.3
119	31.8	26.4	39.6

Manual Integrations
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12/11/2020 12:32:40 PM



Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V



#64

Tetrachloroethene

Concen: 49.205 ug/l

RT: 10.60 min Scan# 2755

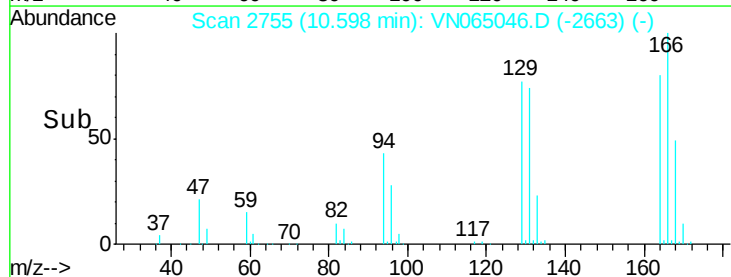
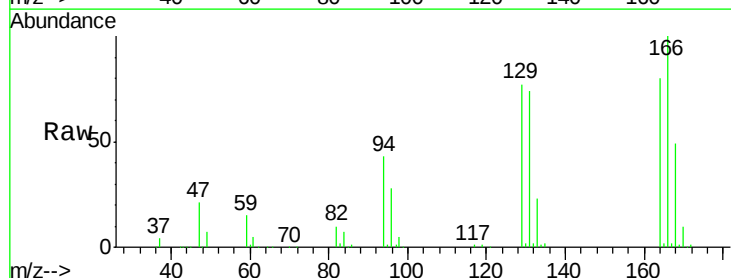
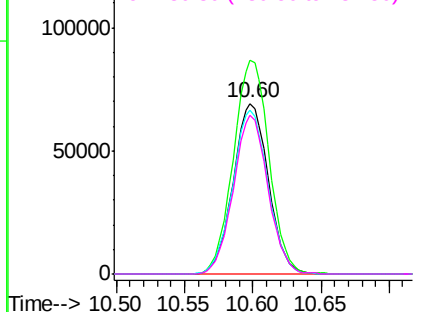
Delta R.T. -0.00 min

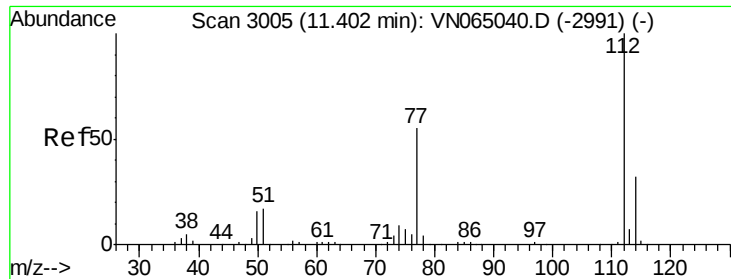
Lab File: VN065046.D

Acq: 10 Dec 2020 16:14

Tgt Ion:	164	Resp:	123852
Ion Ratio	Lower	Upper	
164	100		
166	125.4	103.3	154.9
129	96.4	77.0	115.4
131	93.0	76.1	114.1

Abundance Ion 163.80 (163.50 to 164.50): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V





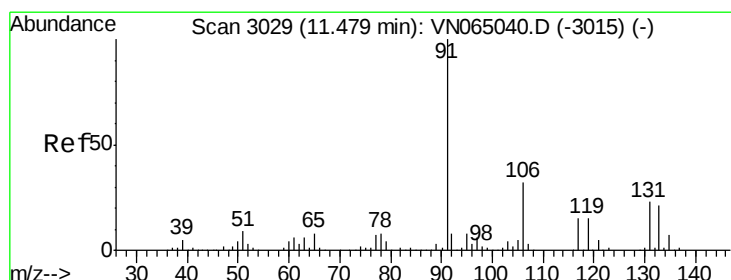
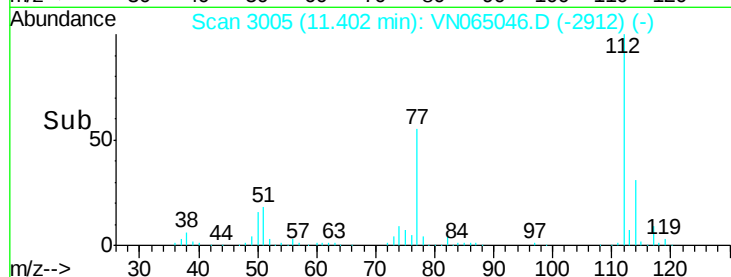
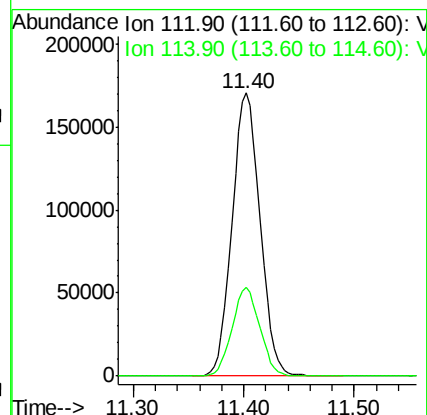
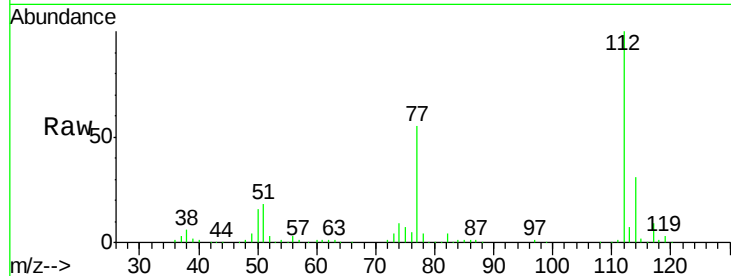
#65
Chlorobenzene
Concen: 49.397 ug/l
RT: 11.40 min Scan# 3005
Delta R.T. 0.00 min
Lab File: VN065046.D
Acq: 10 Dec 2020 16:14

Instrument :
MSVOA_N
ClientSampleId :
ICVVN121020

Tot Ion:112 Resp: 299708
Ion Ratio Lower Upper
112 100
114 31.2 25.9 38.9

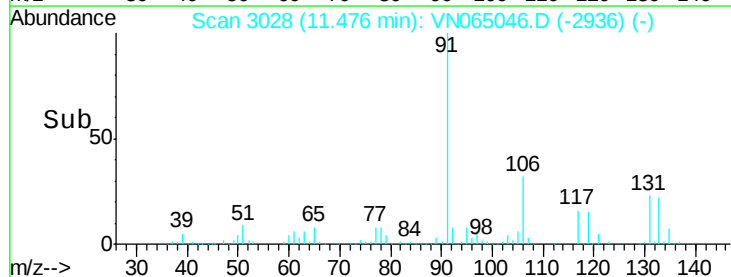
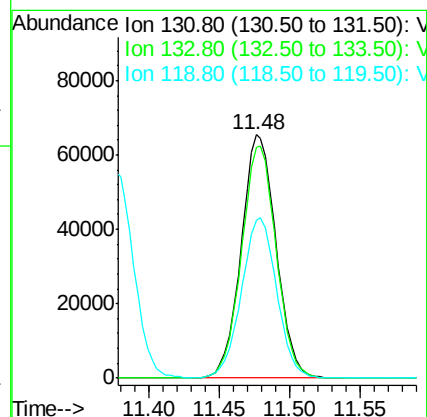
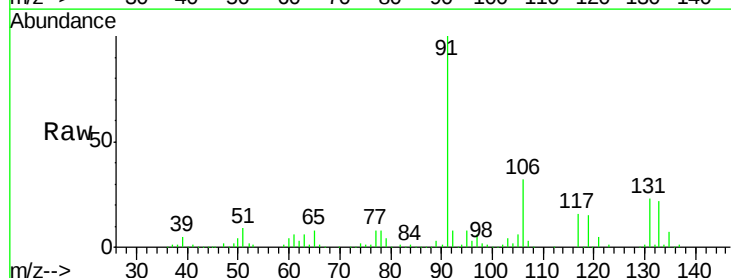
Manual Integrations
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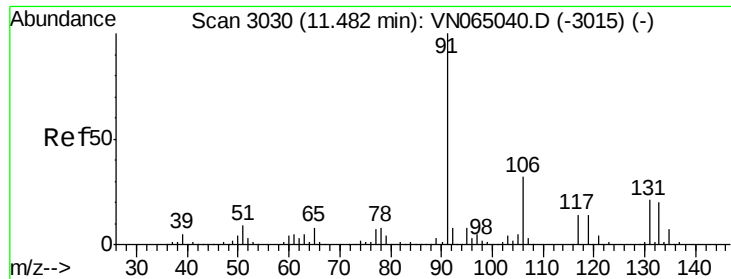
MMDadoda
12/11/2020 12:32:40 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 48.648 ug/l
RT: 11.48 min Scan# 3028
Delta R.T. -0.00 min
Lab File: VN065046.D
Acq: 10 Dec 2020 16:14

Tgt Ion:131 Resp: 113457
Ion Ratio Lower Upper
131 100
133 94.8 48.7 146.1
119 66.4 33.2 99.6





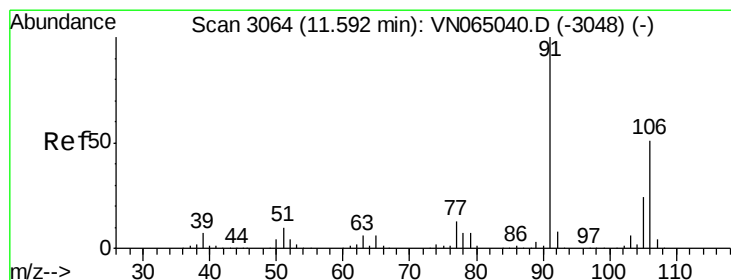
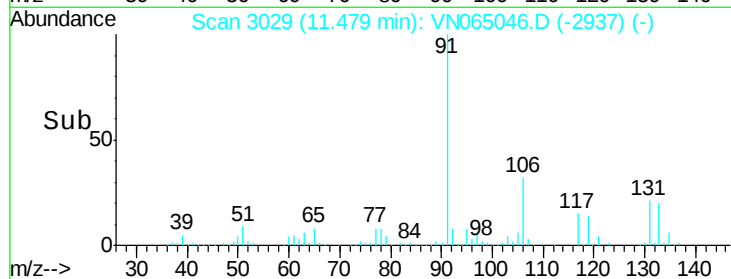
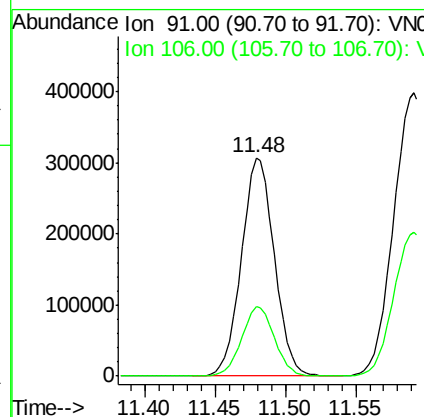
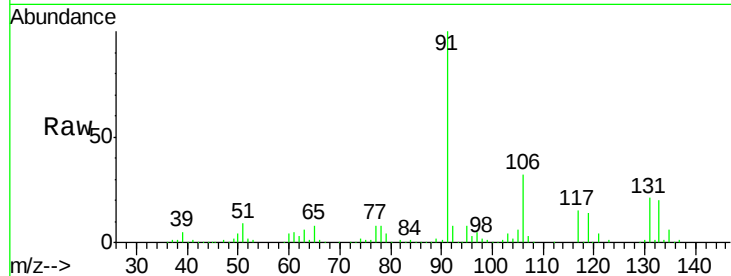
#67
Ethyl Benzene
Concen: 49.658 ug/l
RT: 11.48 min Scan# 3029
Delta R.T. -0.00 min
Lab File: VN065046.D
Acq: 10 Dec 2020 16:14

Instrument :
MSVOA_N
ClientSampleId :
ICVVN121020

Tot Ion: 91 Resp: 502698
Ion Ratio Lower Upper
91 100
106 31.7 25.7 38.5

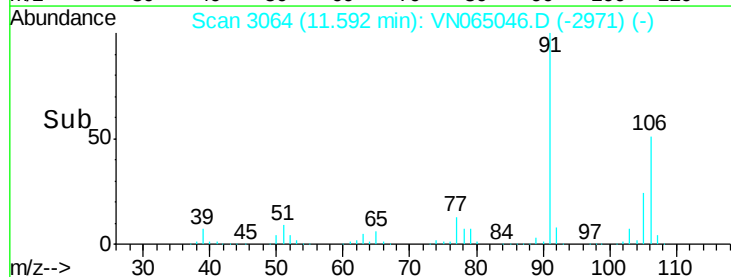
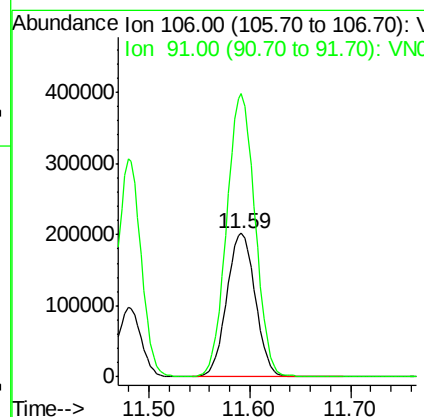
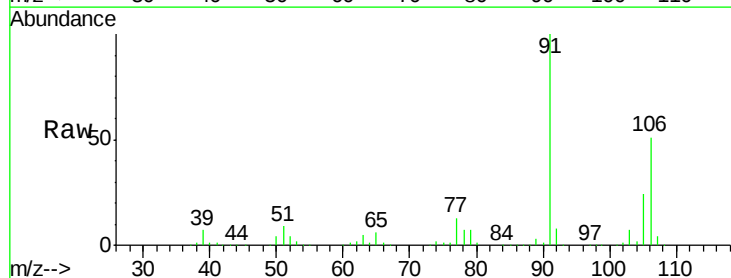
Manual Integrations
APPROVED

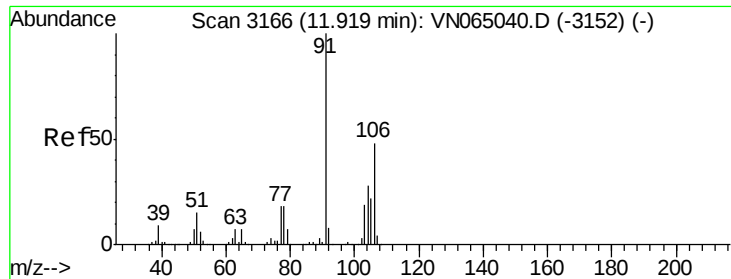
MMDadoda
12/11/2020 12:32:40 PM



#68
m/p-Xylenes
Concen: 101.678 ug/l
RT: 11.59 min Scan# 3064
Delta R.T. 0.00 min
Lab File: VN065046.D
Acq: 10 Dec 2020 16:14

Tgt Ion: 106 Resp: 398908
Ion Ratio Lower Upper
106 100
91 196.5 157.0 235.6





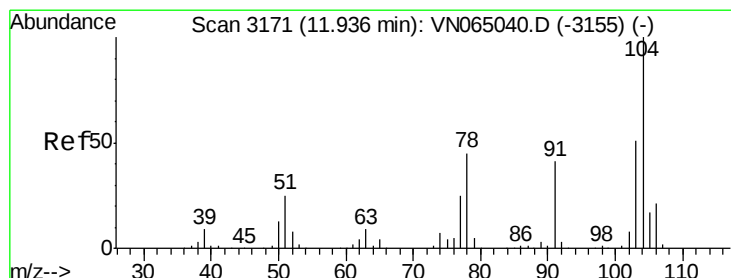
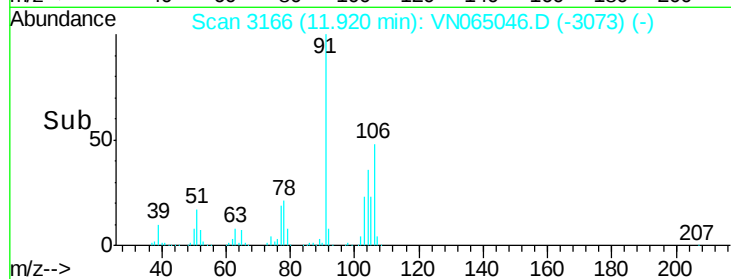
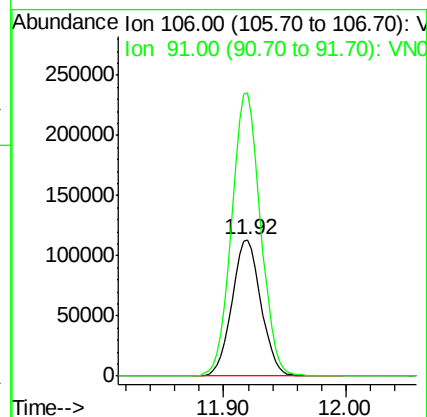
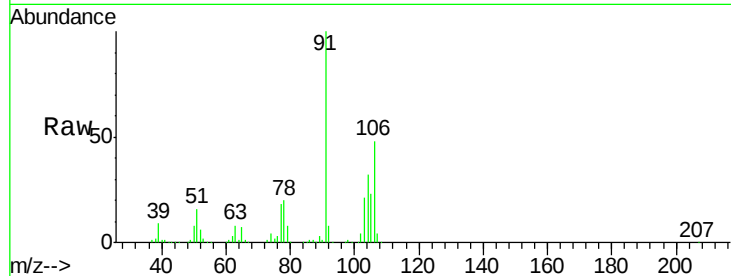
#69
o-Xylene
Concen: 50.370 ug/l
RT: 11.92 min Scan# 3166
Delta R.T. 0.00 min
Lab File: VN065046.D
Acq: 10 Dec 2020 16:14

Instrument :
MSVOA_N
ClientSampleId :
ICVVN121020

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	106	100	188597		
91	91	207.2	104.1	312.3	

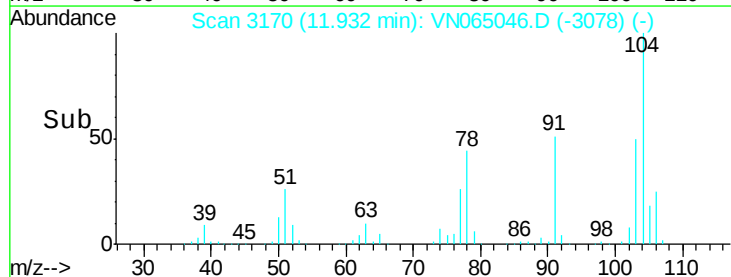
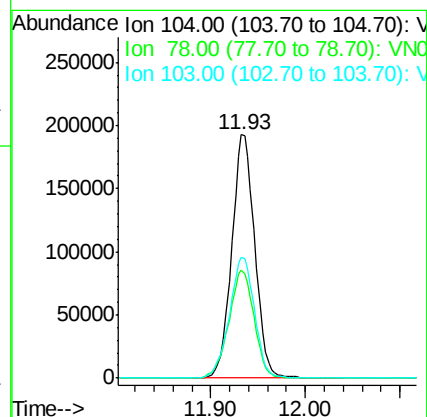
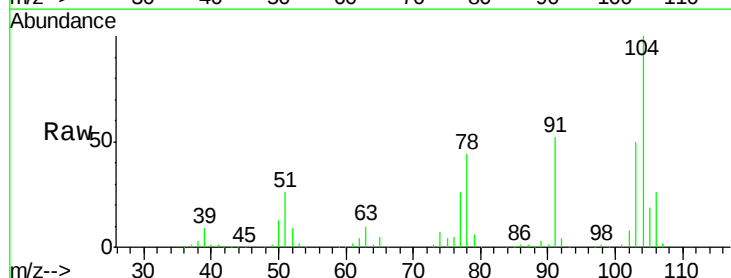
Manual Integrations
APPROVED

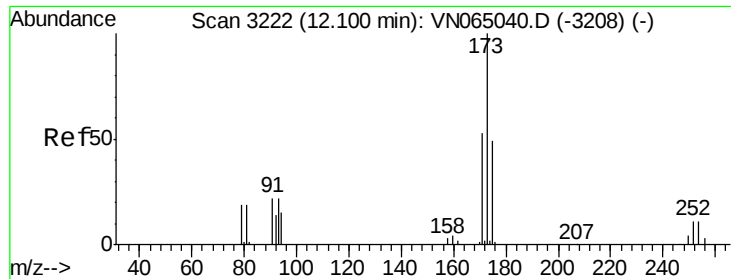
MMDadoda
12/11/2020 12:32:40 PM



#70
Styrene
Concen: 51.558 ug/l
RT: 11.93 min Scan# 3170
Delta R.T. -0.00 min
Lab File: VN065046.D
Acq: 10 Dec 2020 16:14

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	104	100	326499		
78	78	48.6	38.7	58.1	
103	103	54.2	43.8	65.8	





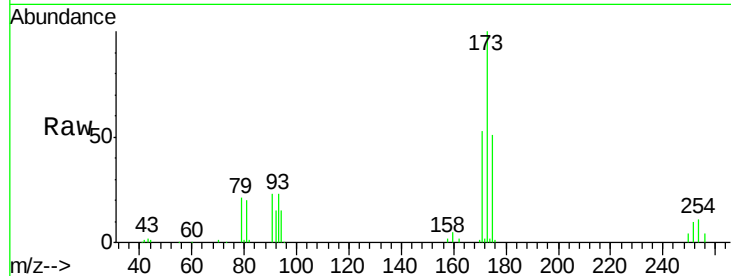
#71
Bromoform
Concen: 46.463 ug/l
RT: 12.10 min Scan# 3221
Delta R.T. -0.00 min
Lab File: VN065046.D
Acq: 10 Dec 2020 16:14

Instrument :
MSVOA_N
ClientSampleId :
ICVVN121020

Tot Ion	Ratio	Lower	Upper
173	100		
175	49.8	24.5	73.5
254	0.0	0.0	0.0

Manual Integrations
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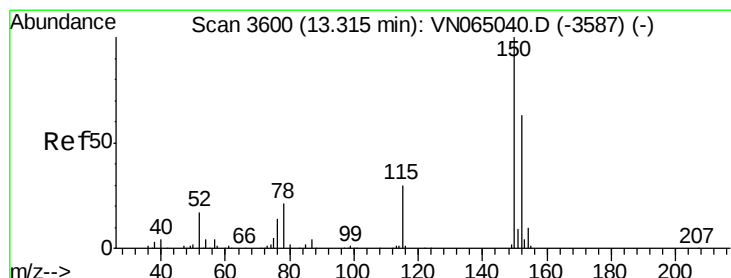
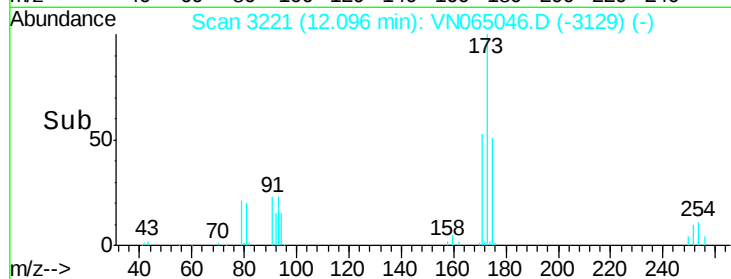
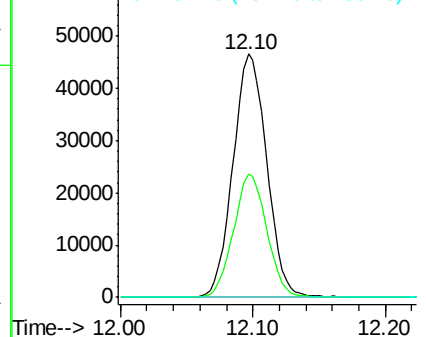


Abundance

Ion 172.70 (172.40 to 173.40): V

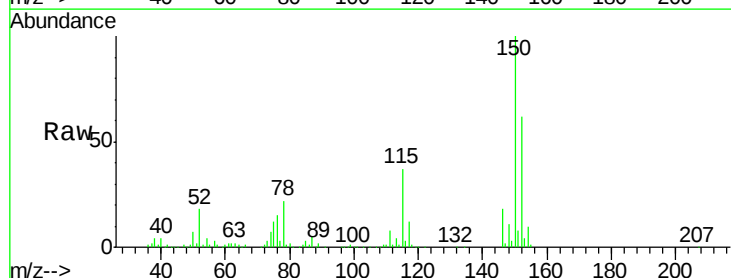
Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.32 min Scan# 3600
Delta R.T. 0.00 min
Lab File: VN065046.D
Acq: 10 Dec 2020 16:14

Tgt Ion	Ratio	Lower	Upper
152	100		
115	59.2	29.3	88.0
150	171.0	0.0	345.8

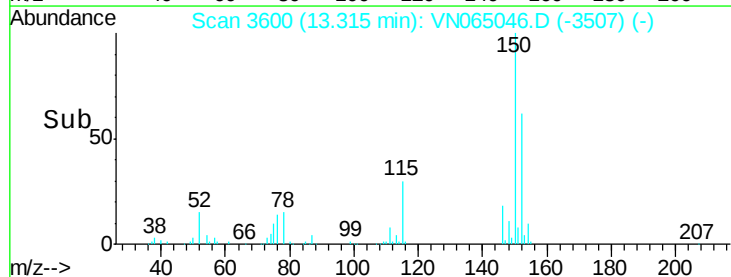
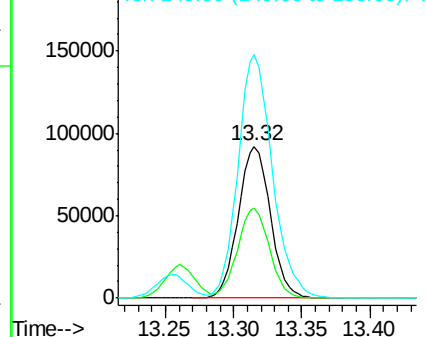


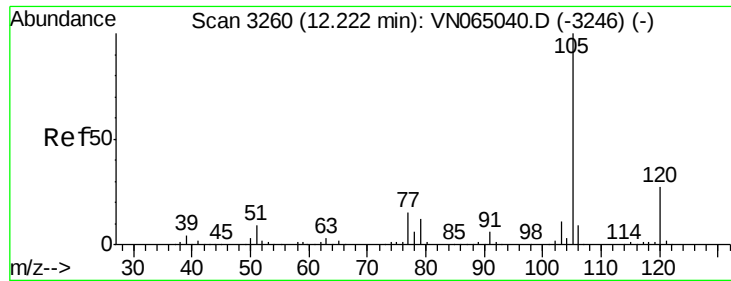
Abundance

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: 49.980 ug/l

RT: 12.22 min Scan# 3260

Delta R.T. 0.00 min

Lab File: VN065046.D

Acq: 10 Dec 2020 16:14

Instrument :

MSVOA_N

ClientSampleId :

ICVVN121020

Tot Ion:105 Resp: 500797

Ion Ratio Lower Upper

105 100

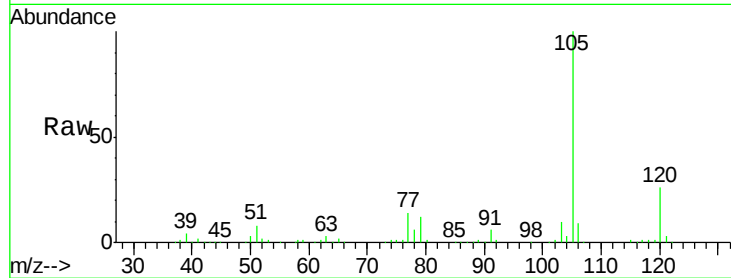
120 26.5 13.4 40.2

Manual Integrations

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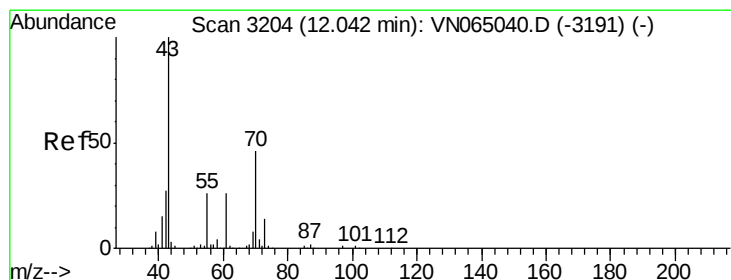
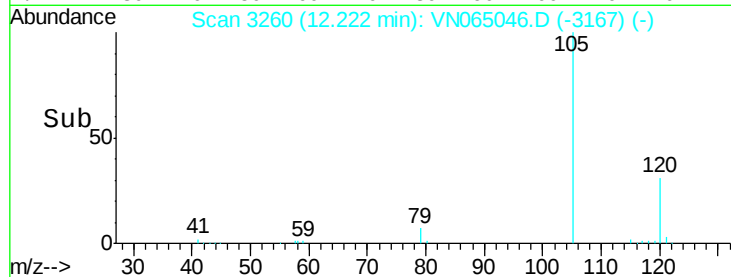
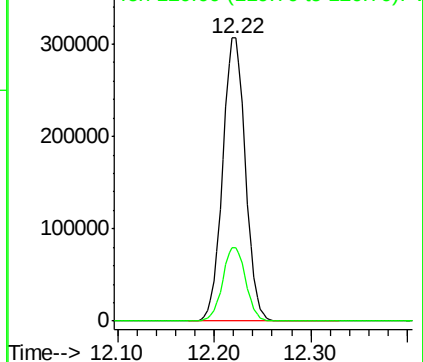
MMDadoda

12/11/2020 12:32:40 PM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 47.605 ug/l

RT: 12.04 min Scan# 3204

Delta R.T. 0.00 min

Lab File: VN065046.D

Acq: 10 Dec 2020 16:14

Tgt Ion: 43 Resp: 171818

Ion Ratio Lower Upper

43 100

70 44.6 36.2 54.2

55 26.5 21.4 32.0

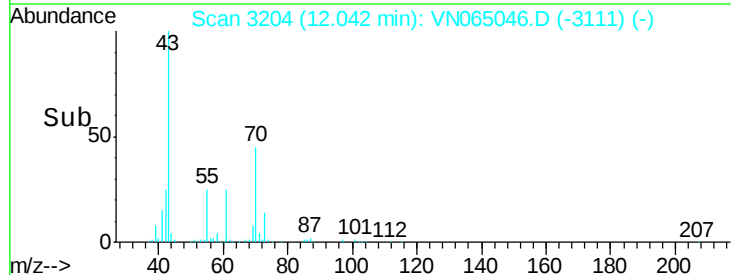
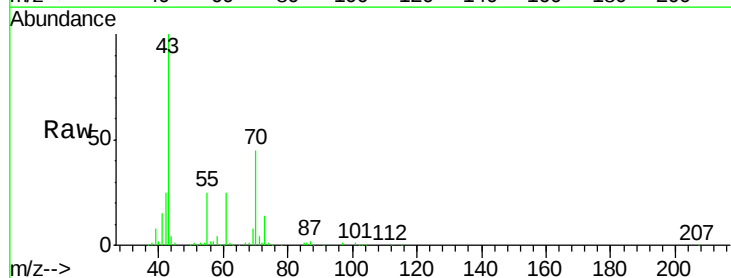
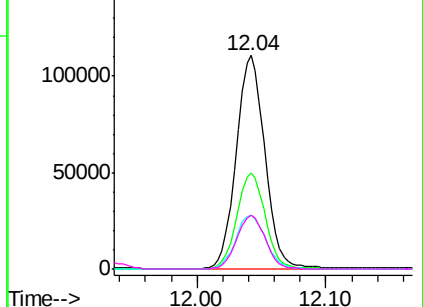
61 25.1 19.8 29.8

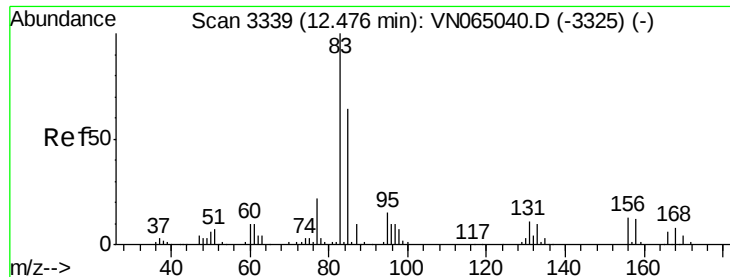
Abundance Ion 43.00 (42.70 to 43.70): V

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: 44.341 ug/l

RT: 12.48 min Scan# 3339

Delta R.T. 0.00 min

Lab File: VN065046.D

Acq: 10 Dec 2020 16:14

Instrument :

MSVOA_N

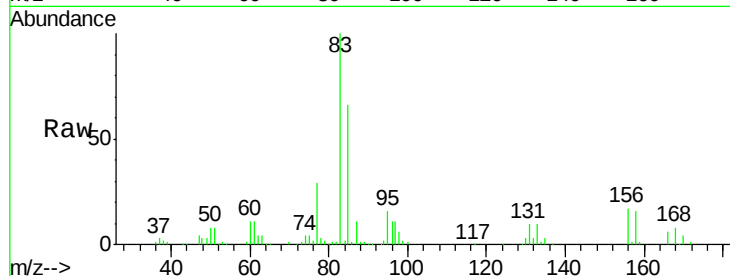
ClientSampleId :

ICVVN121020

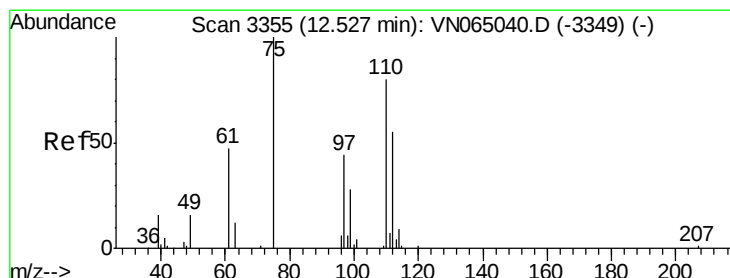
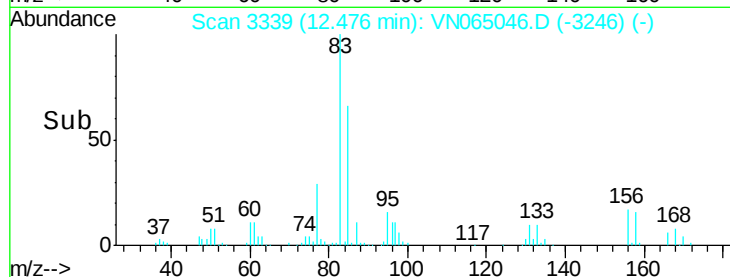
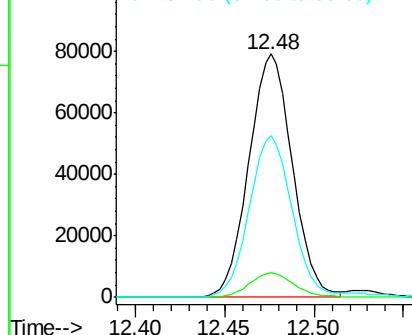
Tot Ion:	83	Resp:	134942
Ion Ratio	Lower	Upper	
83	100		
131	10.4	5.5	16.4
85	65.3	32.3	96.9

Manual Integrations
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Abundance Ion 82.90 (82.60 to 83.60): VNO
Ion 130.80 (130.50 to 131.50): VNO
Ion 84.90 (84.60 to 85.60): VNO



#76

1,2,3-Trichloropropane

Concen: 48.008 ug/l m

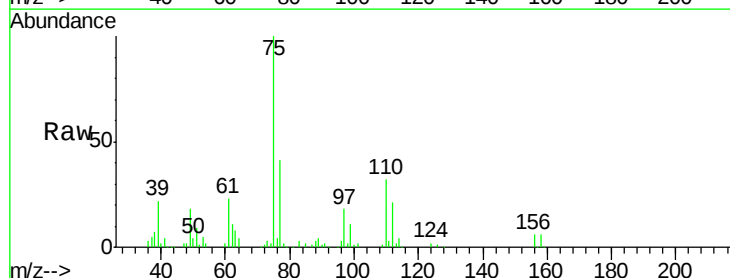
RT: 12.52 min Scan# 3354

Delta R.T. -0.00 min

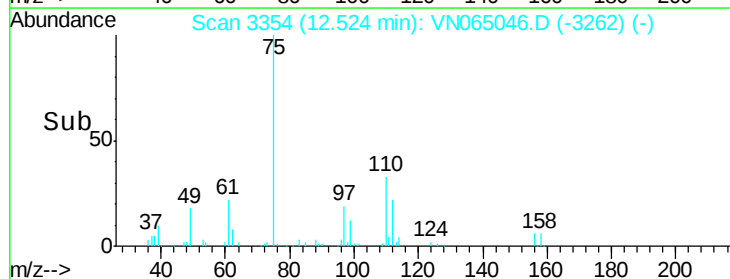
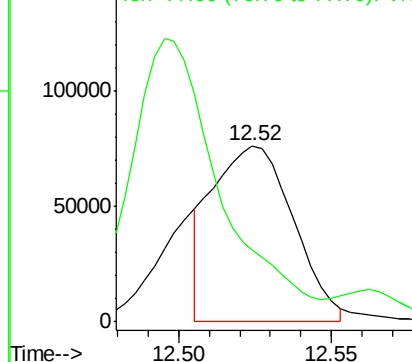
Lab File: VN065046.D

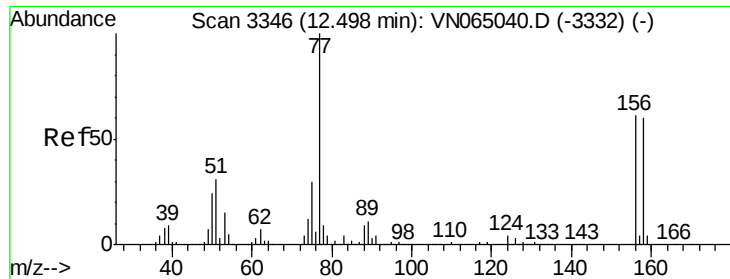
Acq: 10 Dec 2020 16:14

Tgt Ion:	75	Resp:	140911
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0



Abundance Ion 74.90 (74.60 to 75.60): VNO
Ion 77.00 (76.70 to 77.70): VNO





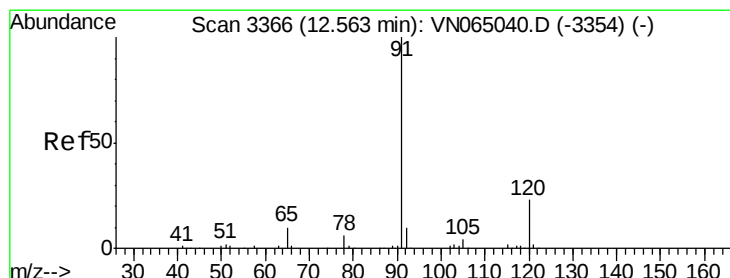
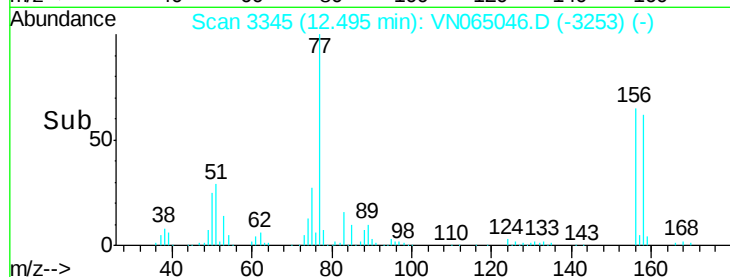
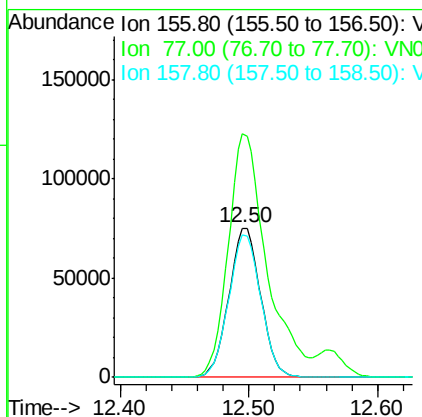
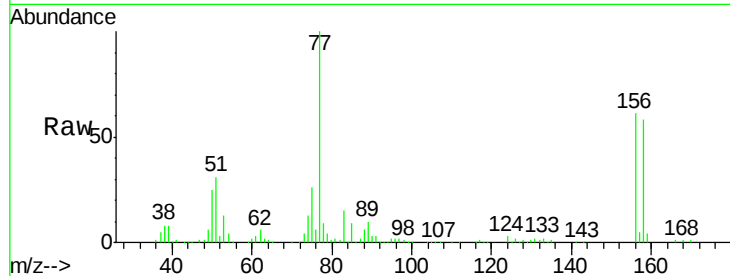
#77
Bromobenzene
Concen: 48.041 ug/l
RT: 12.50 min Scan# 3345
Delta R.T. -0.00 min
Lab File: VN065046.D
Acq: 10 Dec 2020 16:14

Instrument :
MSVOA_N
ClientSampleId :
ICVVN121020

Tot Ion	Ratio	Lower	Upper
156	100		
77	198.1	99.3	297.8
158	97.2	49.0	147.0

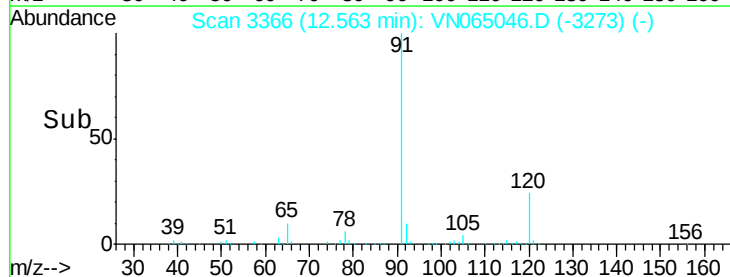
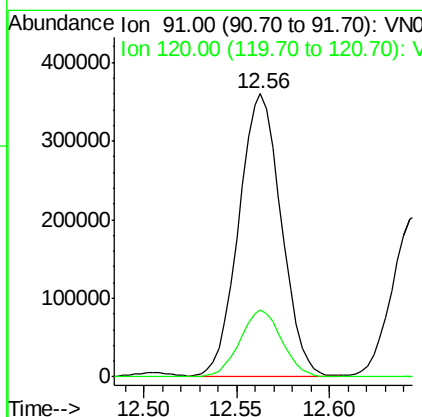
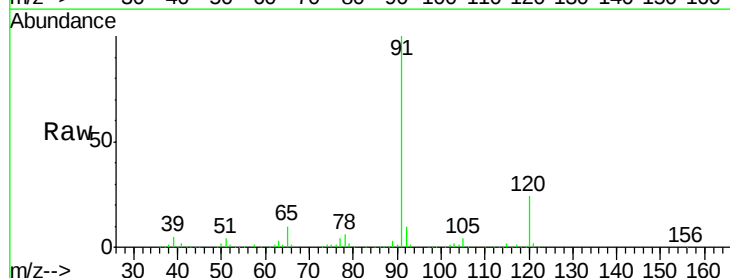
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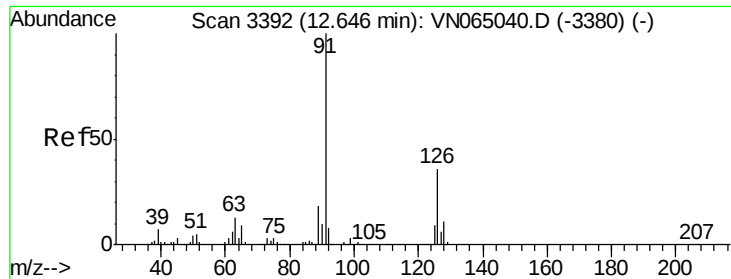
MMDadoda
12/11/2020 12:32:40 PM



#78
n-propylbenzene
Concen: 50.124 ug/l
RT: 12.56 min Scan# 3366
Delta R.T. 0.00 min
Lab File: VN065046.D
Acq: 10 Dec 2020 16:14

Tgt Ion	Ratio	Lower	Upper
91	100		
120	23.6	11.9	35.9





#79

2-Chlorotoluene

Concen: 48.826 ug/l

RT: 12.65 min Scan# 3392

Delta R.T. 0.00 min

Lab File: VN065046.D

Acq: 10 Dec 2020 16:14

Instrument :

MSVOA_N

ClientSampleId :

ICVVN121020

Tot Ion: 91 Resp: 337528

Ion Ratio Lower Upper

91 100

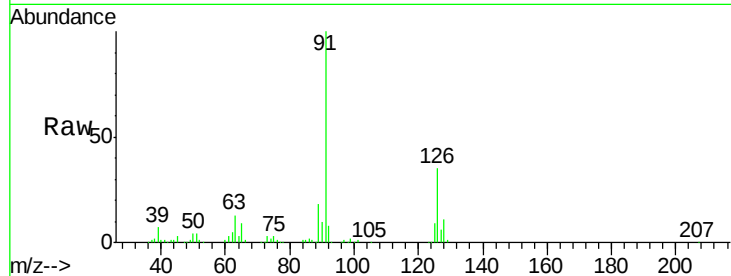
126 35.0 17.6 52.9

Manual Integrations

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

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

400000

300000

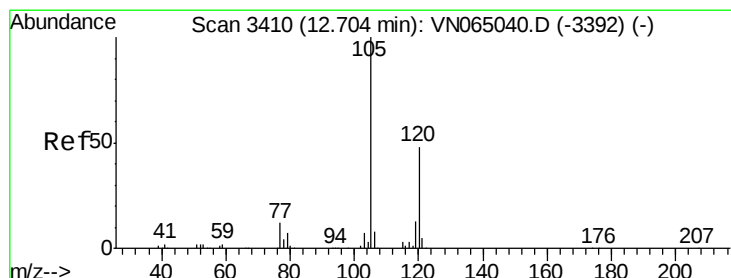
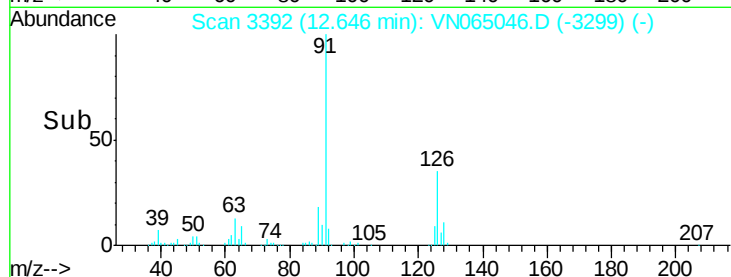
200000

100000

0

12.60 12.65 12.70

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 49.964 ug/l

RT: 12.70 min Scan# 3410

Delta R.T. 0.00 min

Lab File: VN065046.D

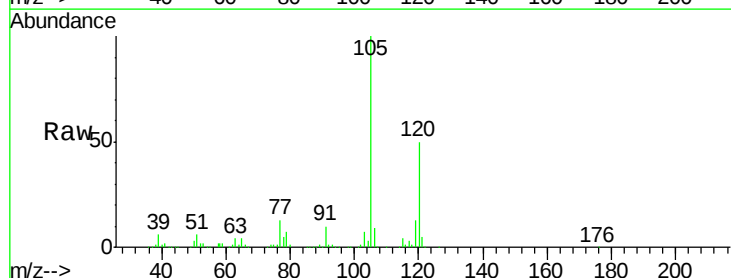
Acq: 10 Dec 2020 16:14

Tgt Ion: 105 Resp: 421284

Ion Ratio Lower Upper

105 100

120 49.7 24.5 73.5



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

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

300000

250000

200000

150000

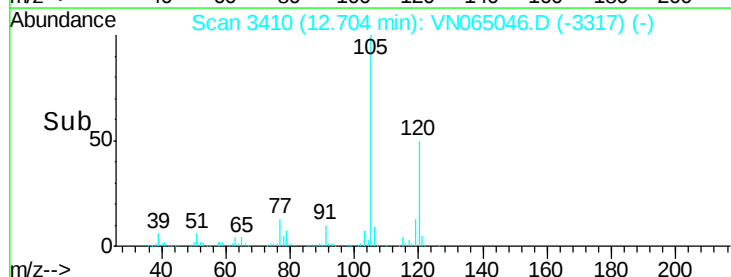
100000

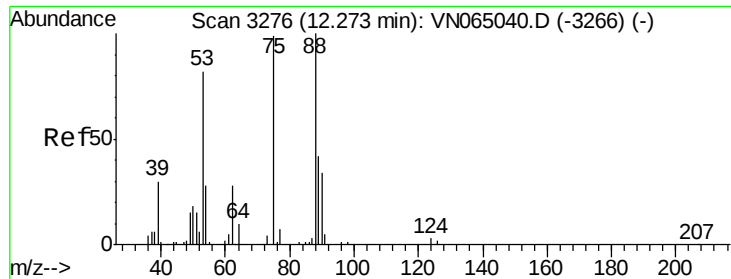
50000

0

12.60 12.70 12.80

Time-->





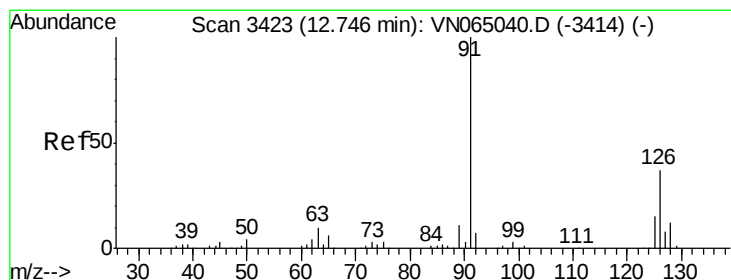
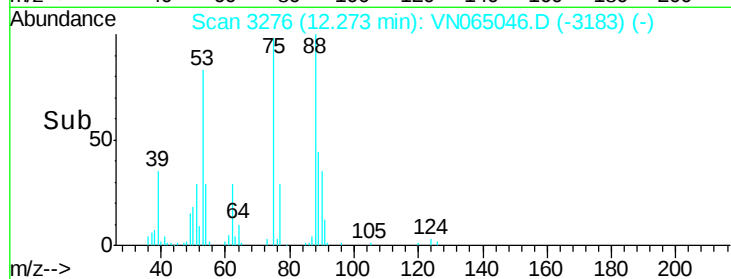
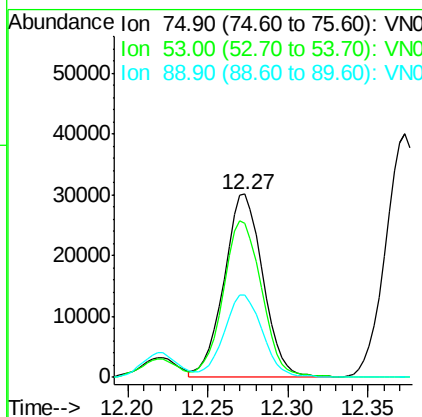
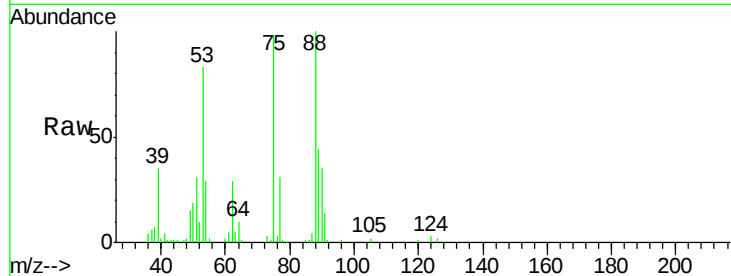
#81
trans-1,4-Dichloro-2-butene
Concen: 48.547 ug/l
RT: 12.27 min Scan# 3276
Delta R.T. 0.00 min
Lab File: VN065046.D
Acq: 10 Dec 2020 16:14

Instrument :
MSVOA_N
ClientSampleId :
ICVVN121020

Tot Ion	Ratio	Lower	Upper
75	100		
53	85.2	68.6	103.0
89	44.3	36.2	54.4

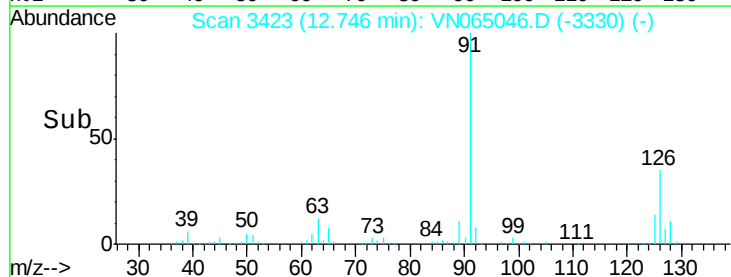
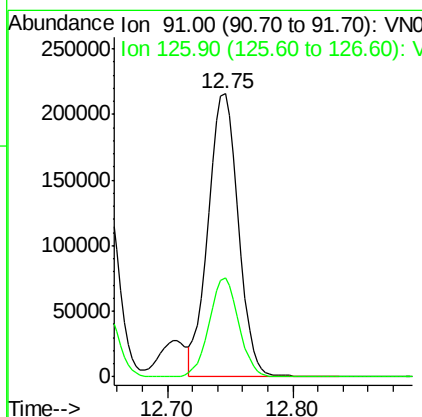
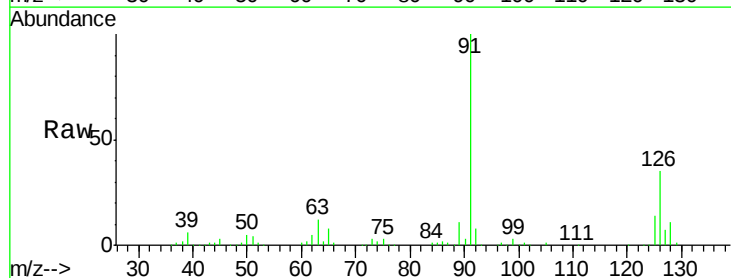
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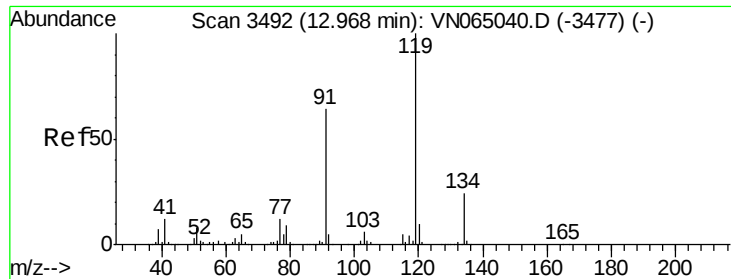
MMDadoda
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#82
4-Chlorotoluene
Concen: 49.275 ug/l
RT: 12.75 min Scan# 3423
Delta R.T. 0.00 min
Lab File: VN065046.D
Acq: 10 Dec 2020 16:14

Tgt Ion	Ratio	Lower	Upper
91	100		
126	34.4	17.3	52.0





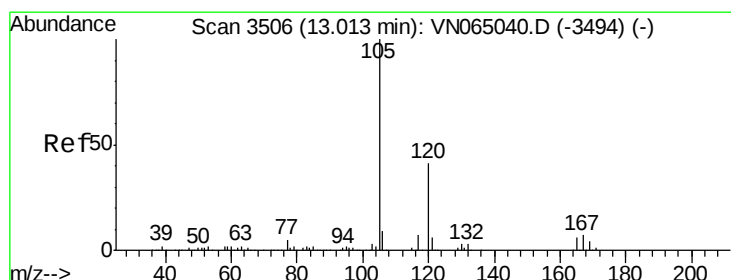
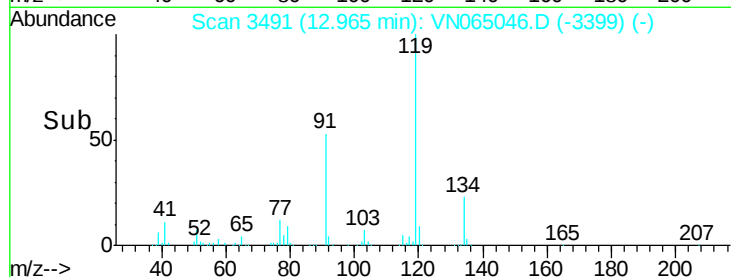
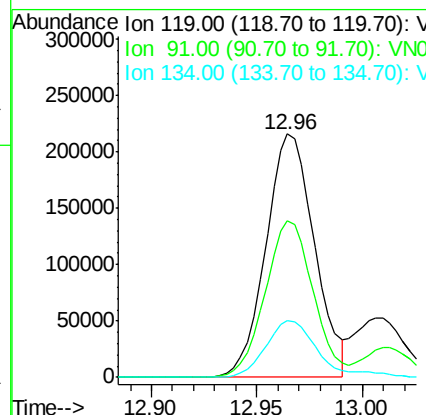
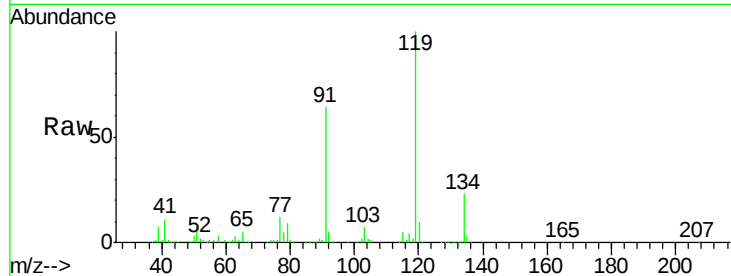
#83
tert-Butylbenzene
Concen: 49.758 ug/l
RT: 12.96 min Scan# 3491
Delta R.T. -0.00 min
Lab File: VN065046.D
Acq: 10 Dec 2020 16:14

Instrument :
MSVOA_N
ClientSampleId :
ICVVN121020

Tot Ion	Ratio	Resp	Lower	Upper
119	100	346287		
91	63.6		31.1	93.5
134	23.6		12.6	37.6

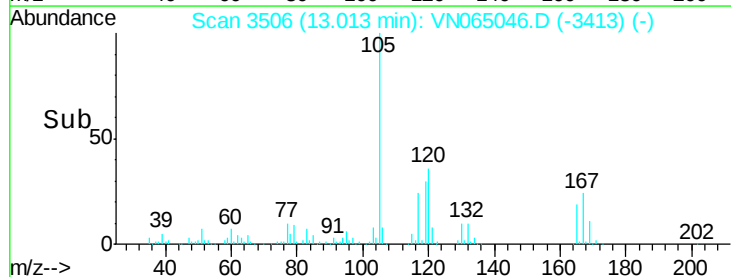
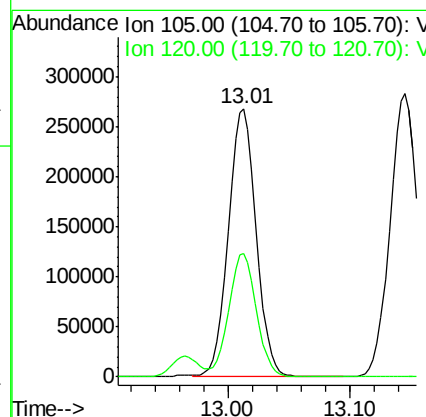
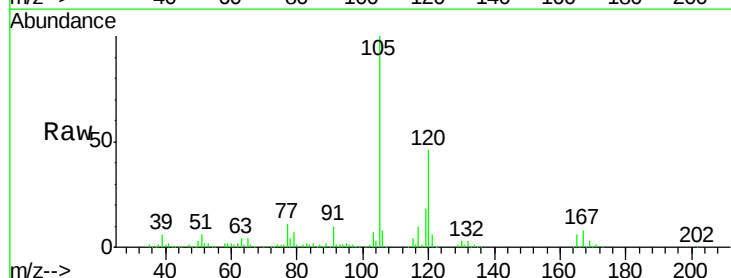
Manual Integrations
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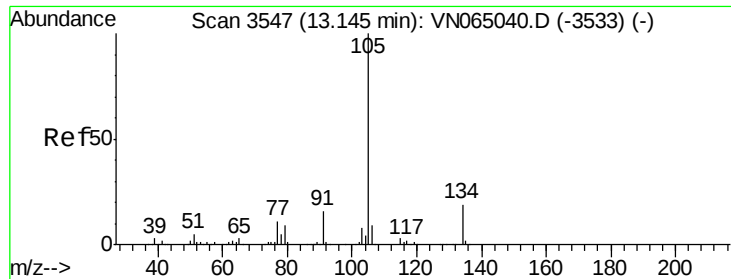
MMDadoda
12/11/2020 12:32:40 PM



#84
1,2,4-Trimethylbenzene
Concen: 50.228 ug/l
RT: 13.01 min Scan# 3506
Delta R.T. 0.00 min
Lab File: VN065046.D
Acq: 10 Dec 2020 16:14

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	427573		
120	45.9		23.1	69.2





#85

sec-Butylbenzene

Concen: 50.010 ug/l

RT: 13.14 min Scan# 3547

Delta R.T. 0.00 min

Lab File: VN065046.D

Acq: 10 Dec 2020 16:14

Instrument :

MSVOA_N

ClientSampleId :

ICVVN121020

Tot Ion:105 Resp: 453544

Ion Ratio Lower Upper

105 100

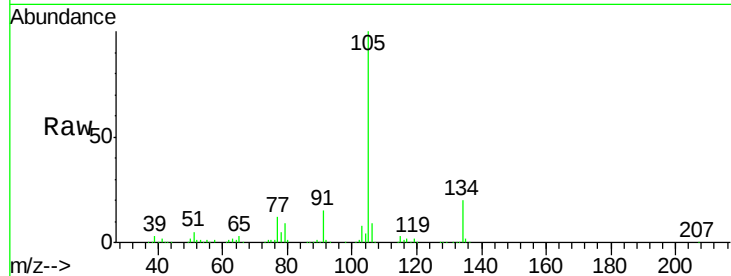
134 19.7 9.8 29.5

Manual Integrations

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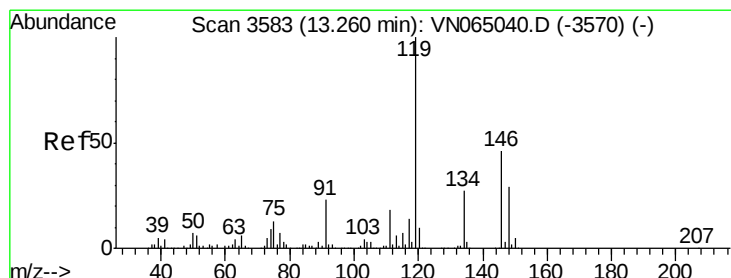
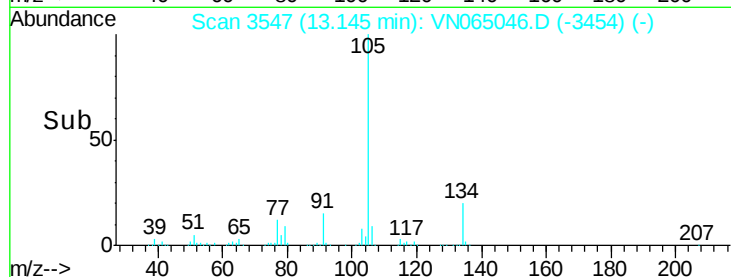
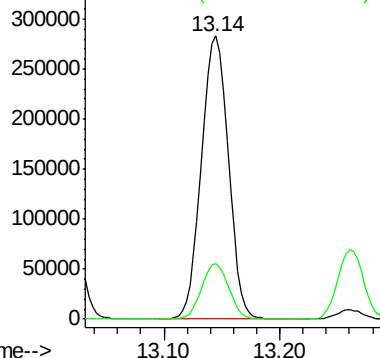
MMDadoda

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 50.569 ug/l

RT: 13.26 min Scan# 3583

Delta R.T. 0.00 min

Lab File: VN065046.D

Acq: 10 Dec 2020 16:14

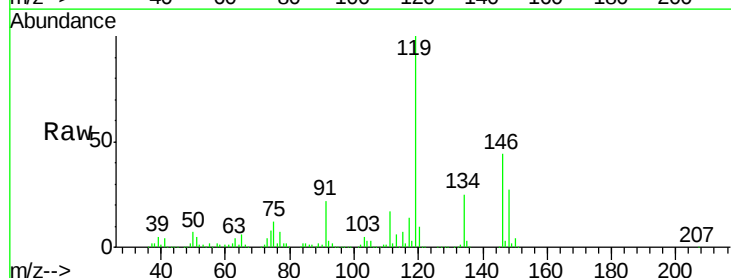
Tgt Ion:119 Resp: 422592

Ion Ratio Lower Upper

119 100

134 25.5 13.0 38.9

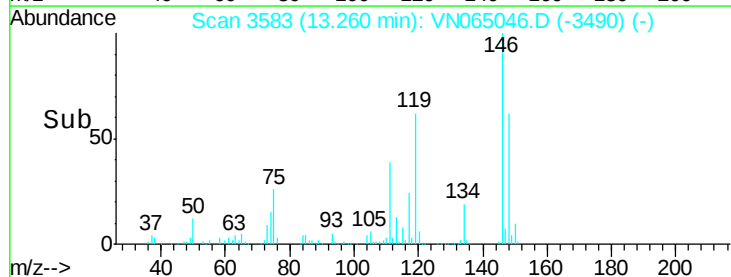
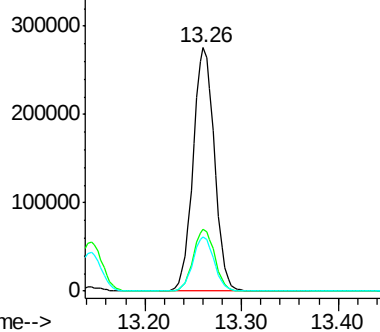
91 22.1 11.5 34.4

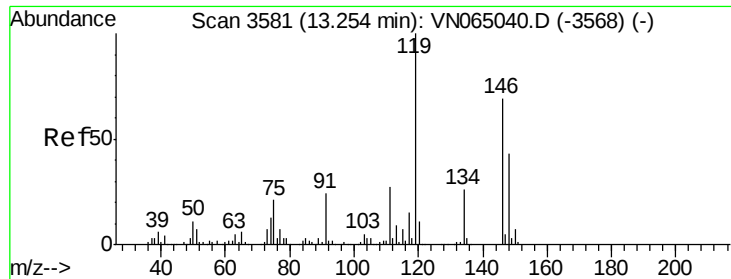


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





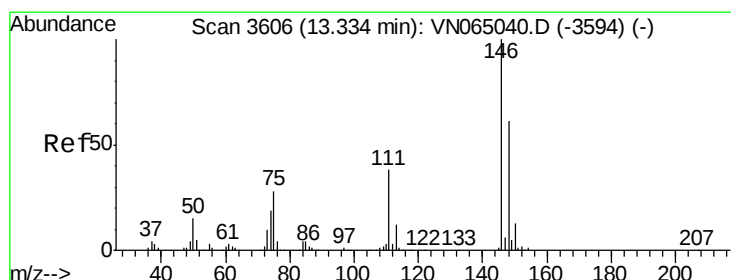
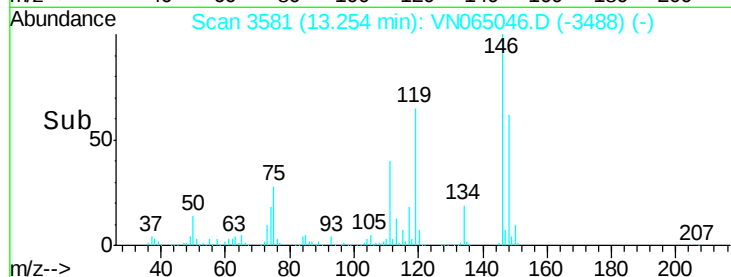
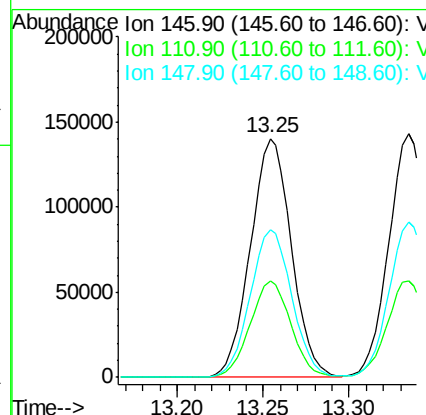
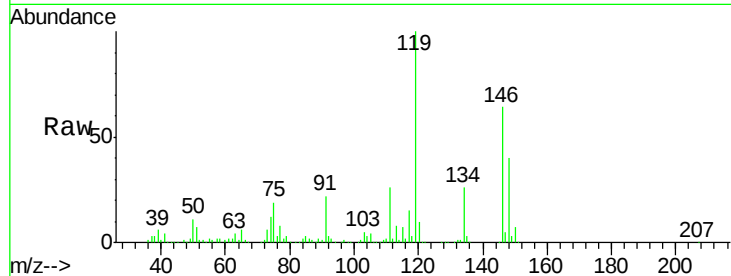
#87
 1,3-Dichlorobenzene
 Concen: 48.917 ug/l
 RT: 13.25 min Scan# 3581
 Delta R.T. 0.00 min
 Lab File: VN065046.D
 Acq: 10 Dec 2020 16:14

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN121020

Tot Ion	Ratio	Resp	Lower	Upper
146	100	231627		
111	40.1	20.0	59.9	
148	62.7	31.6	94.7	

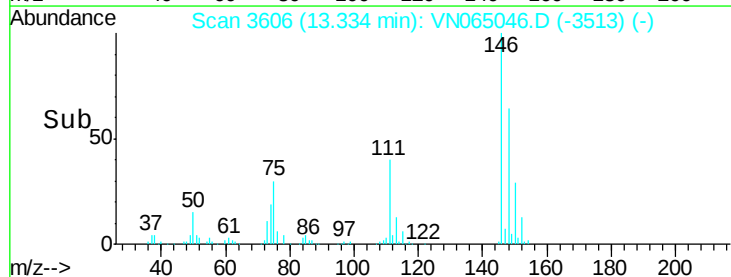
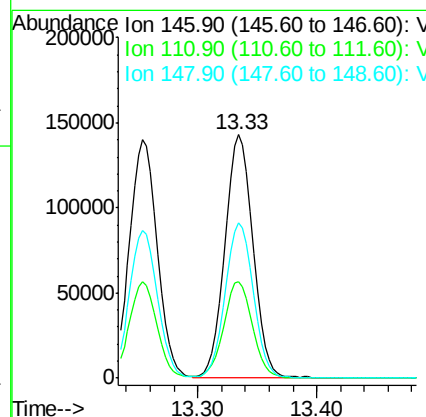
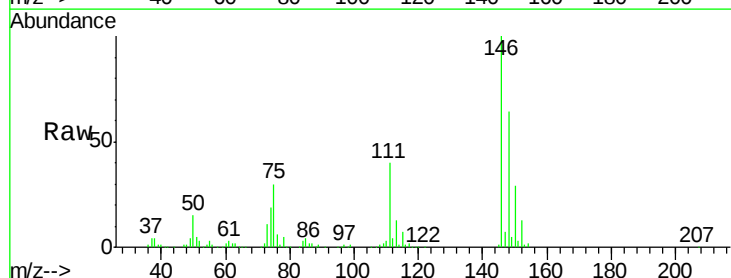
Manual Integrations
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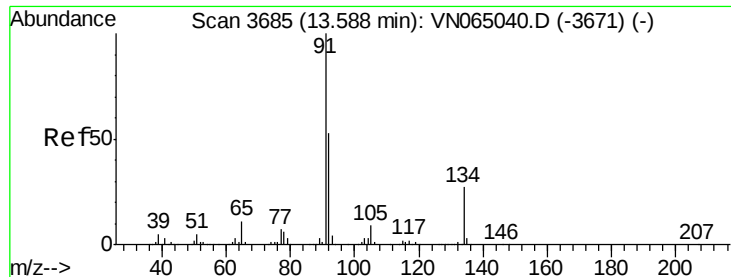
MMDadoda
 12/11/2020 12:32:40 PM



#88
 1,4-Dichlorobenzene
 Concen: 48.674 ug/l
 RT: 13.33 min Scan# 3606
 Delta R.T. 0.00 min
 Lab File: VN065046.D
 Acq: 10 Dec 2020 16:14

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	233698		
111	40.2	19.2	57.6	
148	63.9	31.1	93.3	





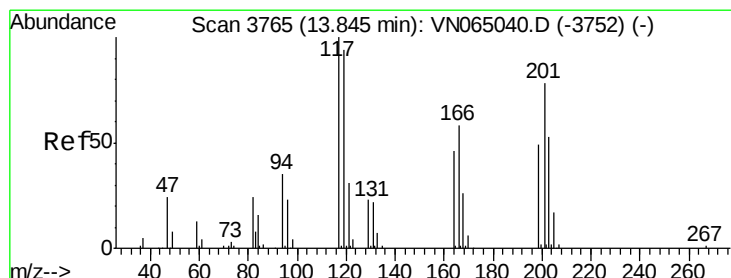
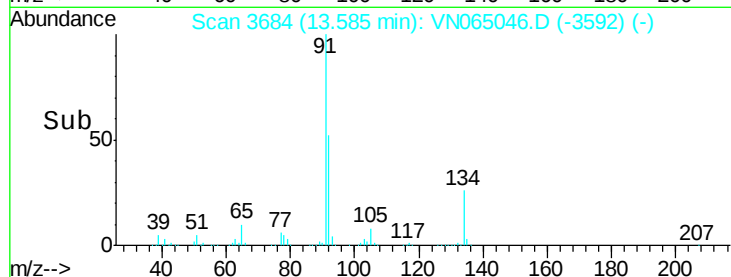
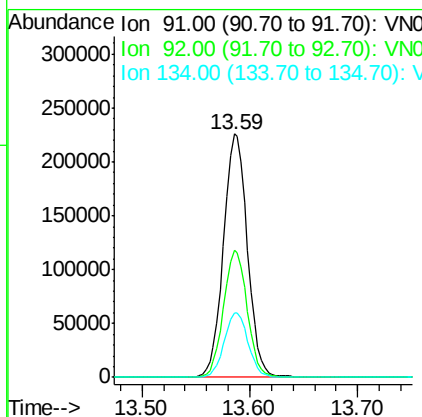
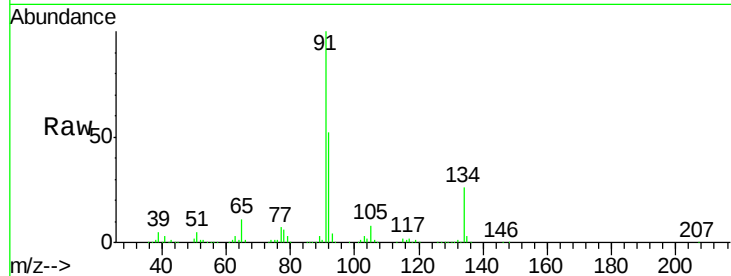
#89
n-Butylbenzene
Concen: 50.838 ug/l
RT: 13.59 min Scan# 3684
Delta R.T. -0.00 min
Lab File: VN065046.D
Acq: 10 Dec 2020 16:14

Instrument :
MSVOA_N
ClientSampleId :
ICVVN121020

Tot Ion	Ratio	Lower	Upper
91	100		
92	51.5	25.9	77.8
134	26.4	13.2	39.6

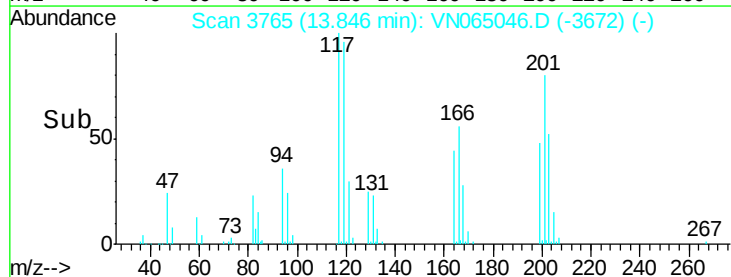
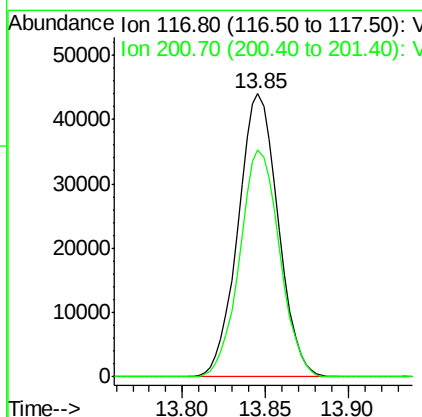
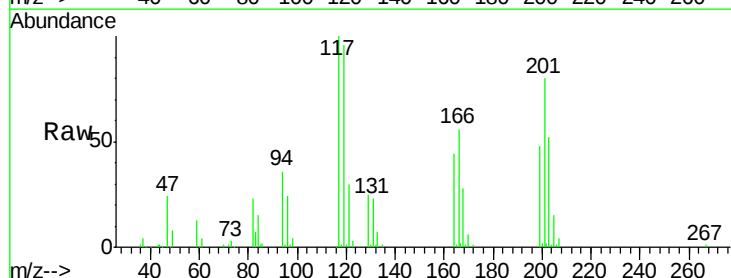
Manual Integrations
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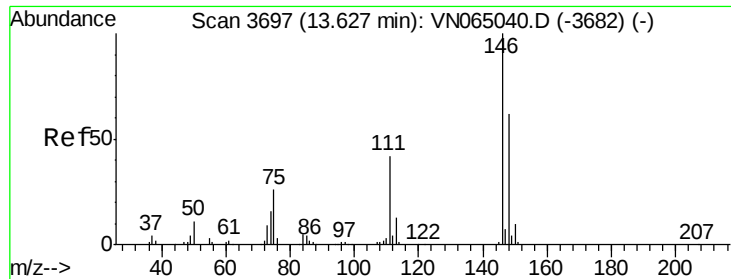
MMDadoda
12/11/2020 12:32:40 PM



#90
Hexachloroethane
Concen: 48.775 ug/l
RT: 13.85 min Scan# 3765
Delta R.T. 0.00 min
Lab File: VN065046.D
Acq: 10 Dec 2020 16:14

Tgt Ion	Ratio	Lower	Upper
117	100		
201	79.7	39.5	118.3





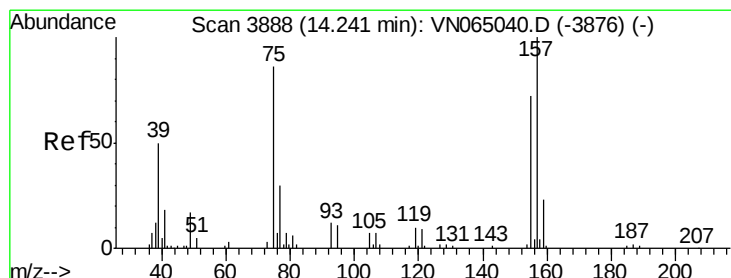
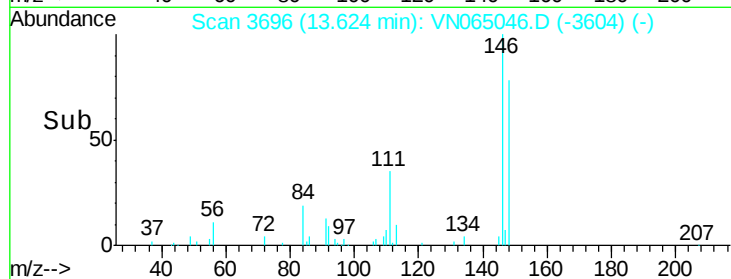
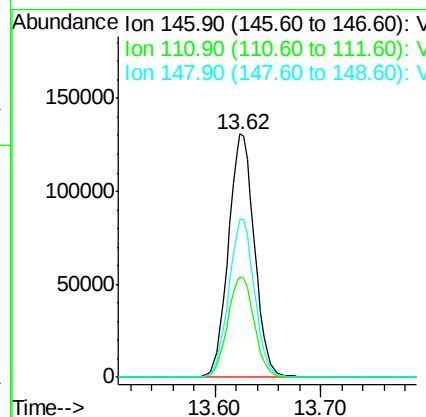
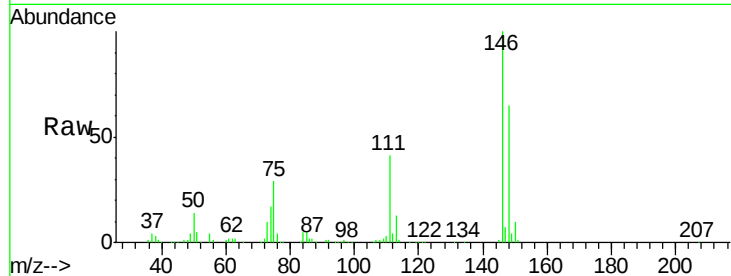
#91
 1,2-Dichlorobenzene
 Concen: 47.233 ug/l
 RT: 13.62 min Scan# 3696
 Delta R.T. -0.00 min
 Lab File: VN065046.D
 Acq: 10 Dec 2020 16:14

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN121020

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.0	21.1	63.1
148	64.5	31.7	95.1

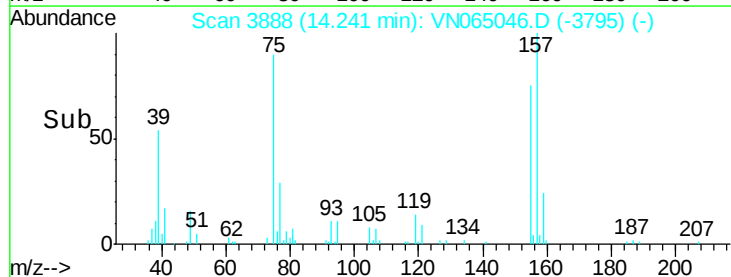
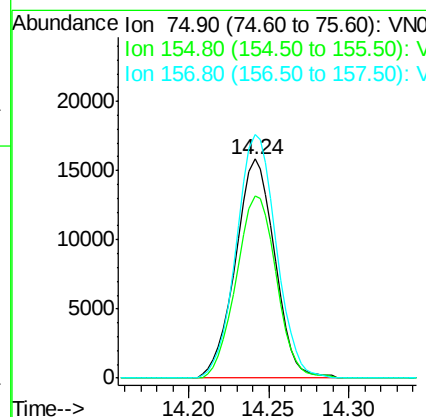
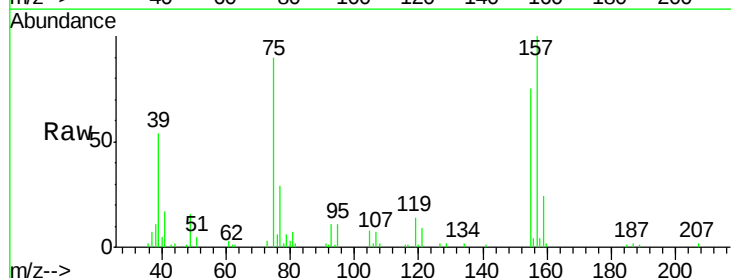
Manual Integrations
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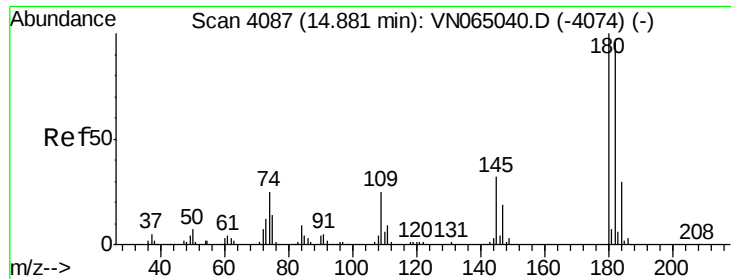
MMDadoda
 12/11/2020 12:32:40 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 44.467 ug/l
 RT: 14.24 min Scan# 3888
 Delta R.T. 0.00 min
 Lab File: VN065046.D
 Acq: 10 Dec 2020 16:14

Tgt Ion	Ratio	Lower	Upper
75	100		
155	84.6	43.8	131.4
157	112.9	58.1	174.3





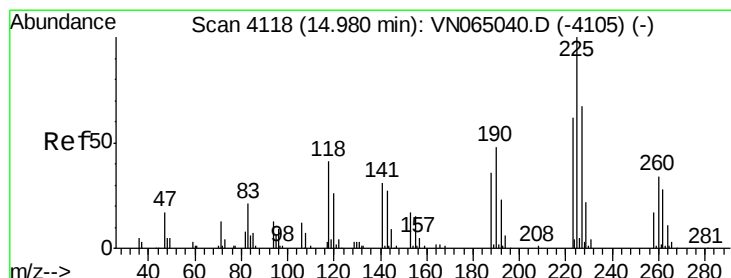
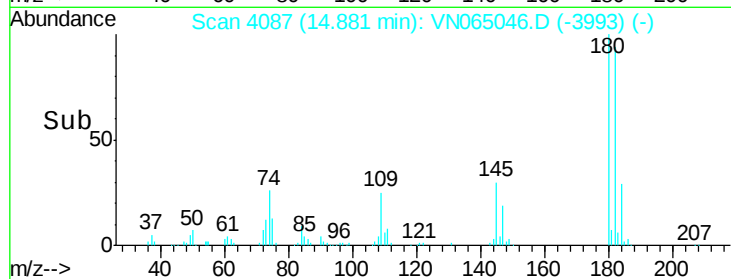
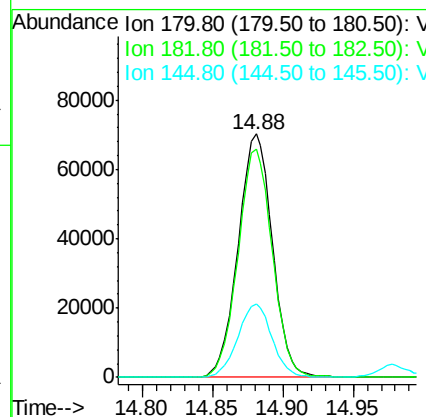
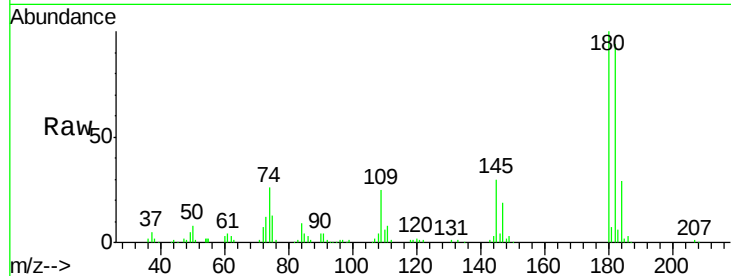
#93
1,2,4-Trichlorobenzene
Concen: 47.747 ug/l
RT: 14.88 min Scan# 4087
Delta R.T. 0.00 min
Lab File: VN065046.D
Acq: 10 Dec 2020 16:14

Instrument :
MSVOA_N
ClientSampleId :
ICVVN121020

Tot Ion	Ratio	Resp	Lower	Upper
180	100	119619		
182	94.1	47.0	141.2	
145	29.9	15.4	46.4	

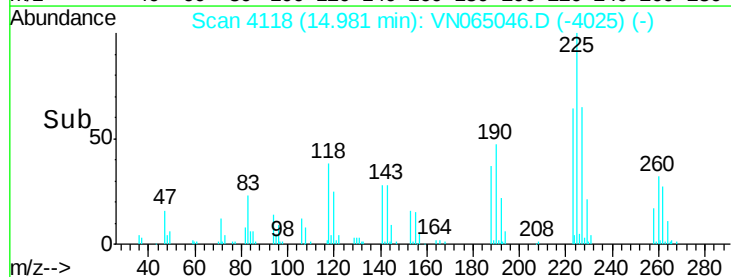
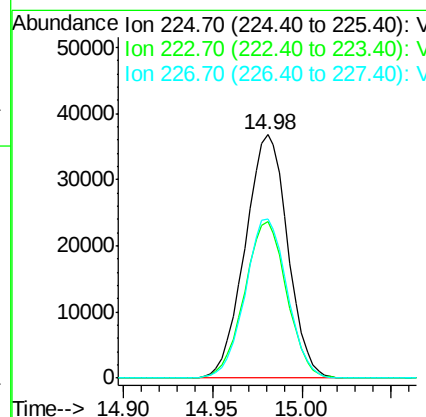
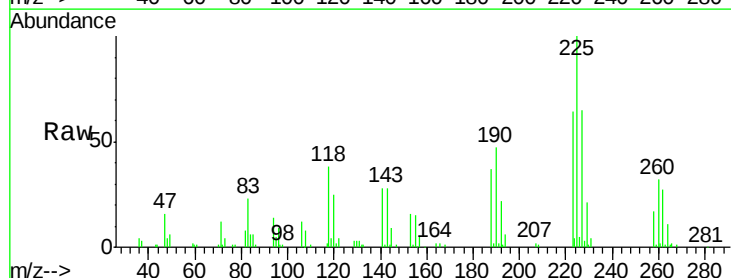
Manual Integrations
APPROVED

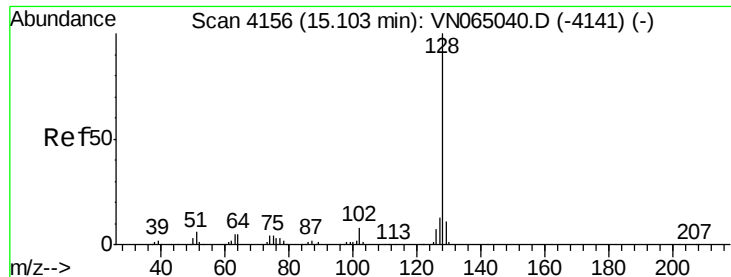
MMDadoda
12/11/2020 12:32:40 PM



#94
Hexachlorobutadiene
Concen: 47.071 ug/l
RT: 14.98 min Scan# 4118
Delta R.T. 0.00 min
Lab File: VN065046.D
Acq: 10 Dec 2020 16:14

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	61252		
223	63.7	31.4	94.0	
227	64.3	32.3	96.8	





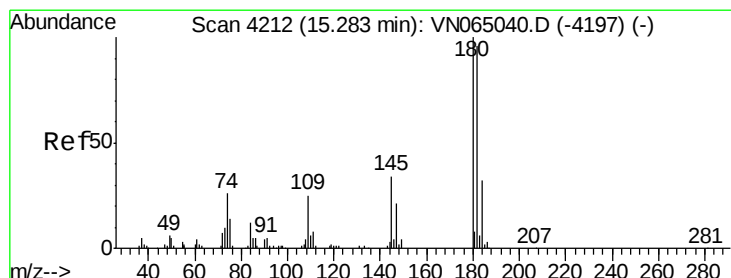
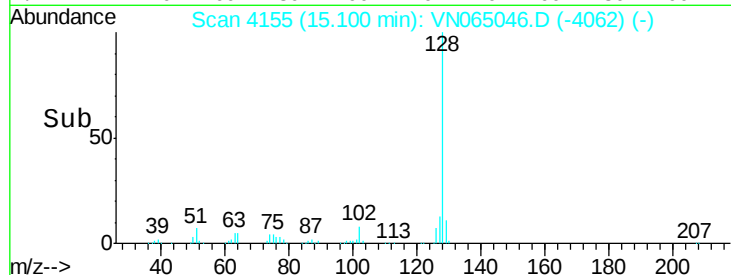
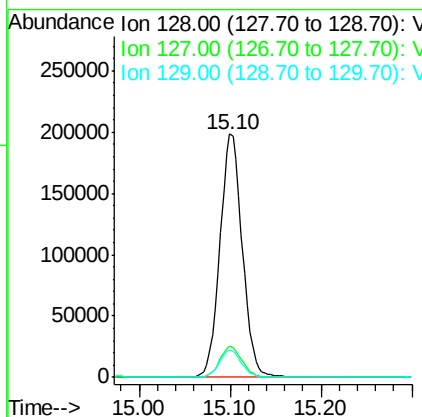
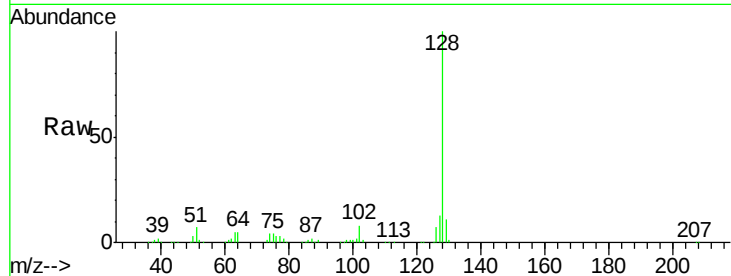
#95
Naphthalene
Concen: 45.783 ug/l
RT: 15.10 min Scan# 4155
Delta R.T. -0.00 min
Lab File: VN065046.D
Acq: 10 Dec 2020 16:14

Instrument :
MSVOA_N
ClientSampleId :
ICVVN121020

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.6	10.2	15.2
129	10.8	8.5	12.7

Manual Integrations
APPROVED

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12/11/2020 12:32:40 PM



#96
1,2,3-Trichlorobenzene
Concen: 46.574 ug/l
RT: 15.28 min Scan# 4211
Delta R.T. -0.00 min
Lab File: VN065046.D
Acq: 10 Dec 2020 16:14

Tgt Ion	Ratio	Lower	Upper
180	100		
182	97.0	48.3	144.9
145	33.0	16.2	48.6

