

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

Quant Time: Dec 11 03:44:14 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	190886	65.034	ug/l #	100
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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Quant Title : SW846 8260
QLast Update : Thu Dec 10 16:04:22 2020
Response via : Initial Calibration

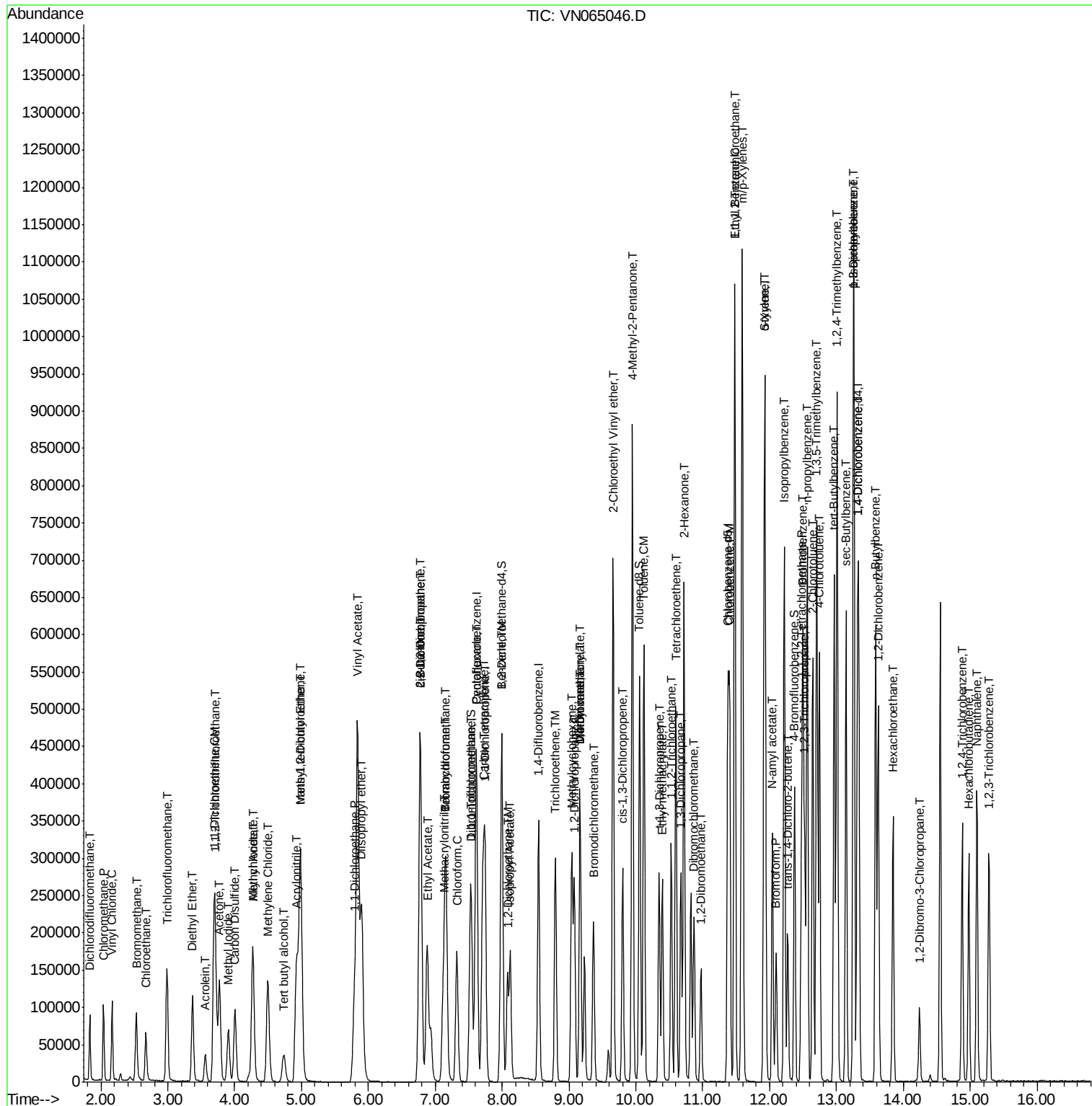
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.88	180	119619	47.747	ug/l	100
94) Hexachlorobutadiene	14.98	225	61252	47.071	ug/l	99
95) Naphthalene	15.10	128	339231	45.783	ug/l	100
96) 1,2,3-Trichlorobenzene	15.28	180	109749	46.574	ug/l	99

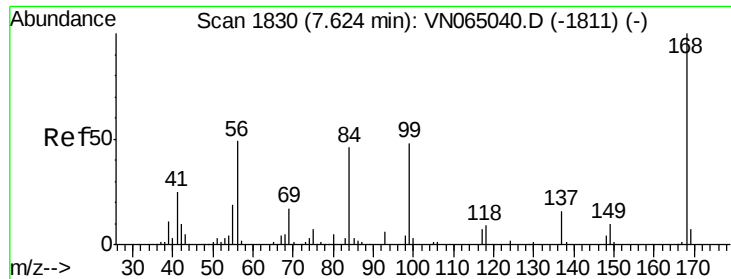
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#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 :

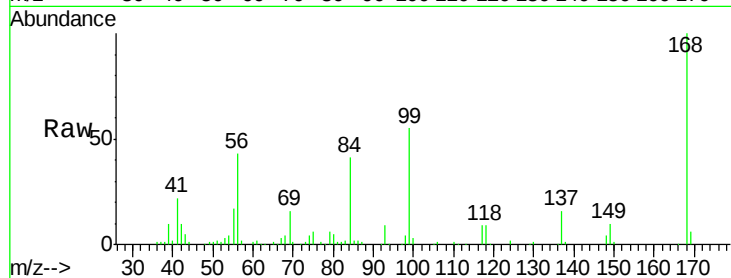
ICVFN121020

Tgt Ion:168 Resp: 215632

Ion Ratio Lower Upper

168 100

99 54.7 44.0 66.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.62

100000

80000

60000

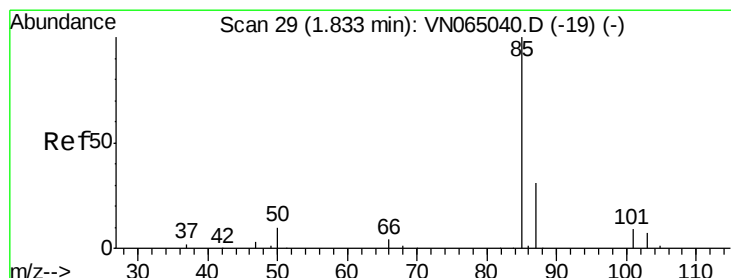
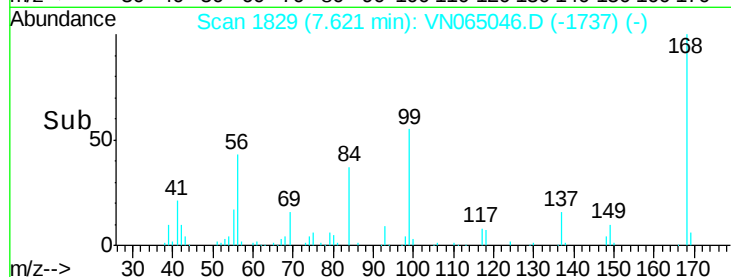
40000

20000

0

Time-->

7.50 7.55 7.60 7.65 7.70



#2

Dichlorodifluoromethane

Concen: 48.665 ug/l

RT: 1.83 min Scan# 29

Delta R.T. 0.00 min

Lab File: VN065046.D

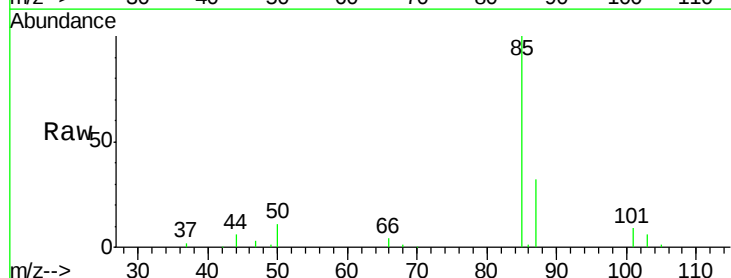
Acq: 10 Dec 2020 16:14

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): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.83

60000

50000

40000

30000

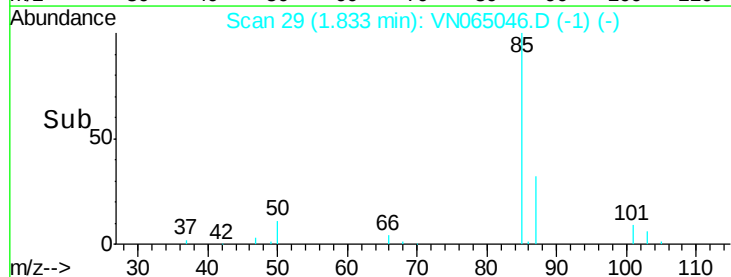
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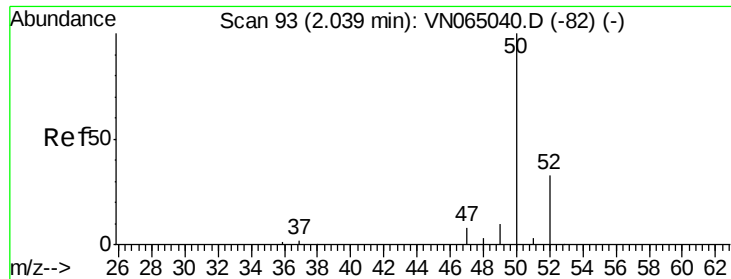
10000

0

Time-->

1.80 1.85 1.90





#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 :

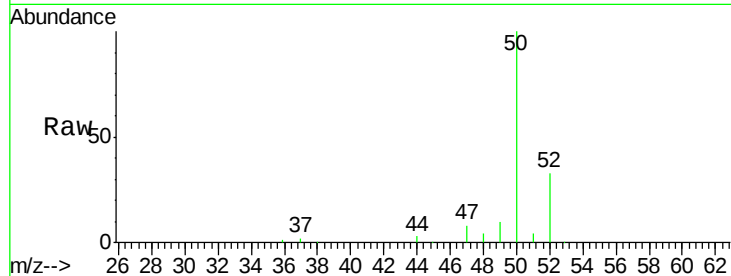
ICVVN121020

Tgt Ion: 50 Resp: 86687

Ion Ratio Lower Upper

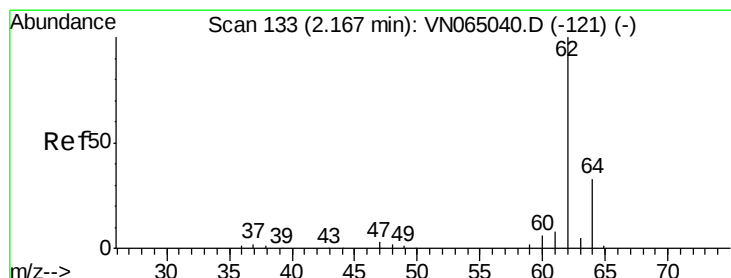
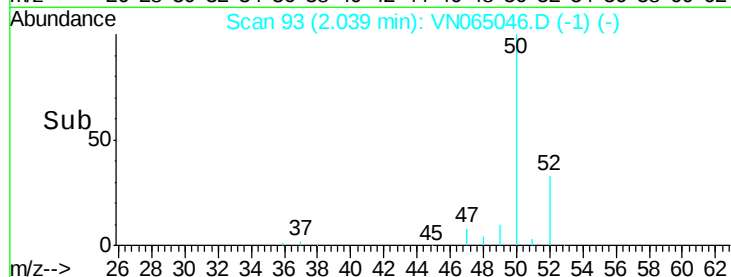
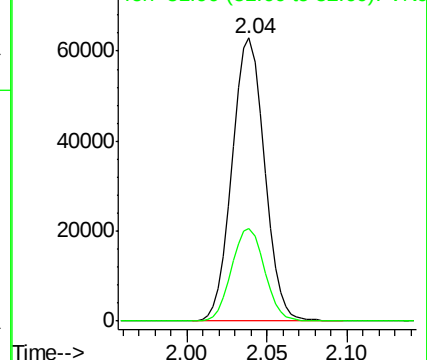
50 100

52 32.8 26.5 39.7



Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0



#4

Vinyl Chloride

Concen: 48.306 ug/l

RT: 2.17 min Scan# 133

Delta R.T. 0.00 min

Lab File: VN065046.D

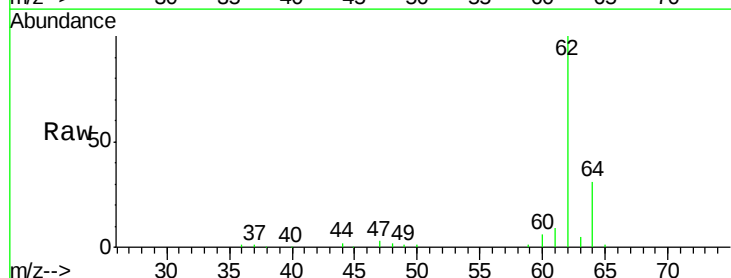
Acq: 10 Dec 2020 16:14

Tgt Ion: 62 Resp: 97218

Ion Ratio Lower Upper

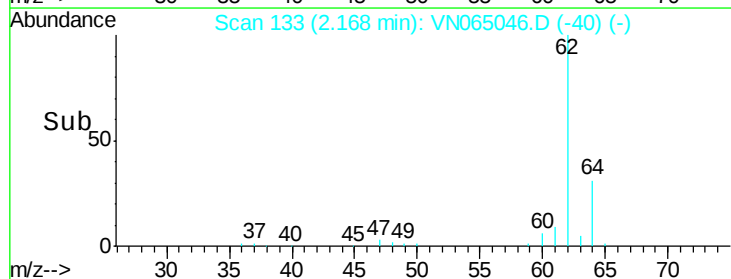
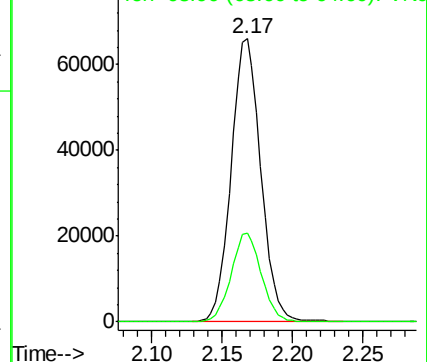
62 100

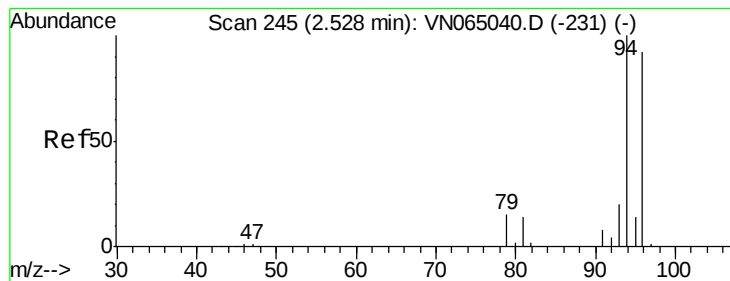
64 31.3 26.1 39.1



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 63.90 (63.60 to 64.60): VN0





#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 :

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ClientSampleId :

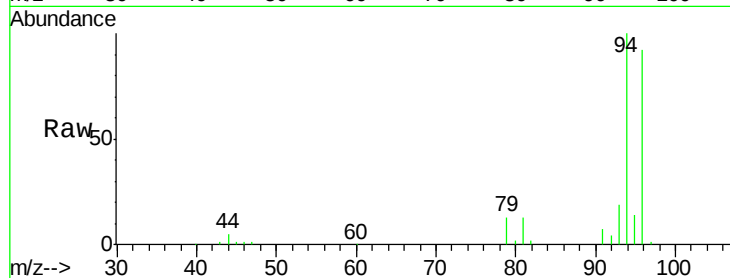
ICVFN121020

Tgt Ion: 94 Resp: 67634

Ion Ratio Lower Upper

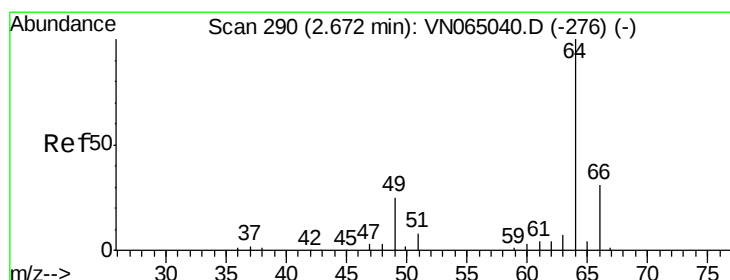
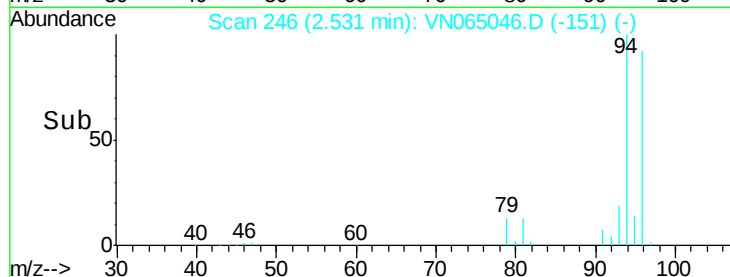
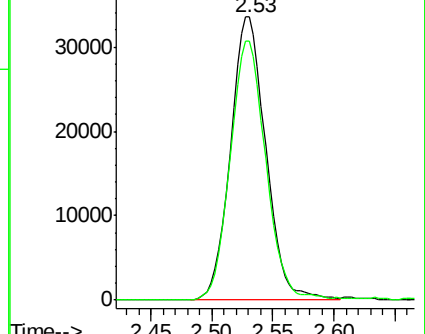
94 100

96 91.6 73.8 110.8



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 47.656 ug/l

RT: 2.67 min Scan# 290

Delta R.T. 0.00 min

Lab File: VN065046.D

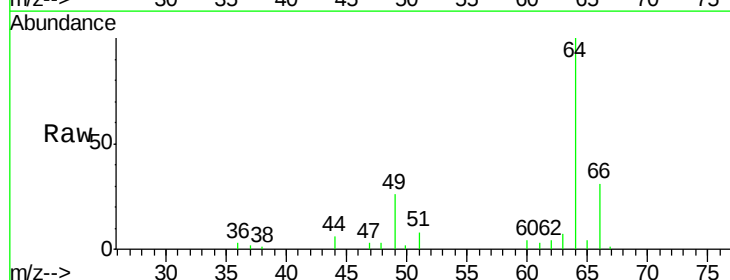
Acq: 10 Dec 2020 16:14

Tgt Ion: 64 Resp: 64018

Ion Ratio Lower Upper

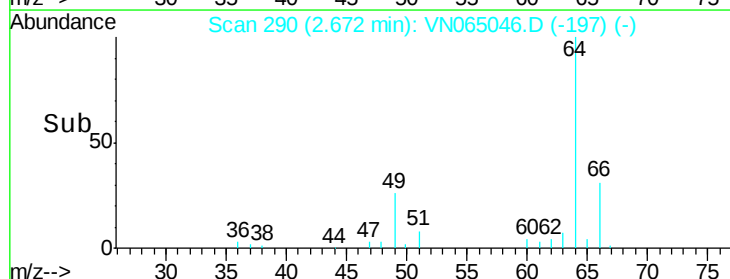
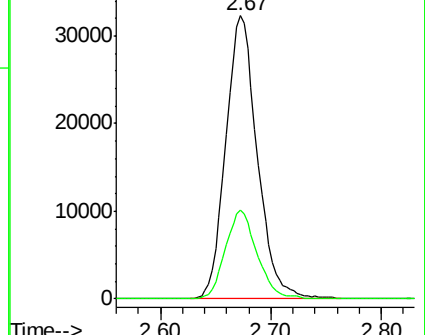
64 100

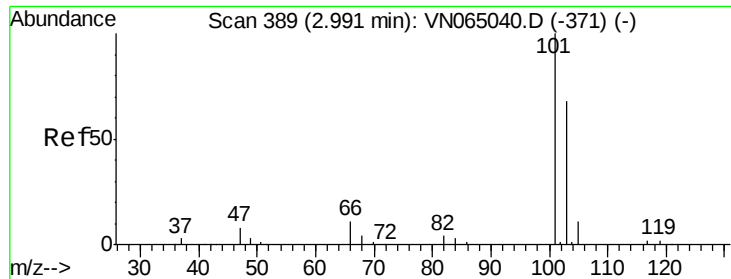
66 31.3 24.6 37.0



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0



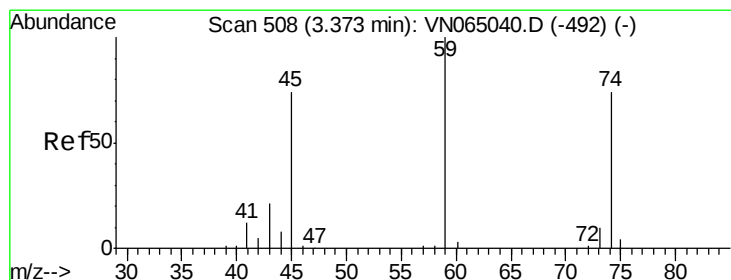
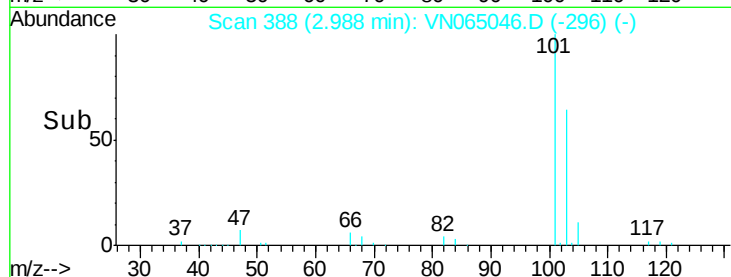
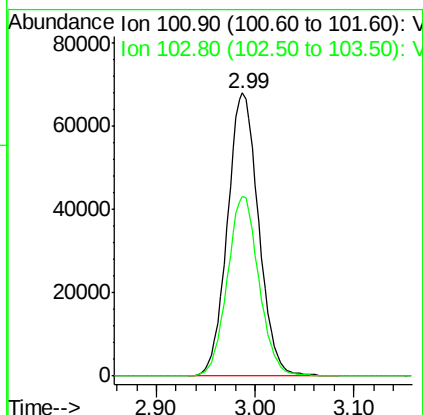
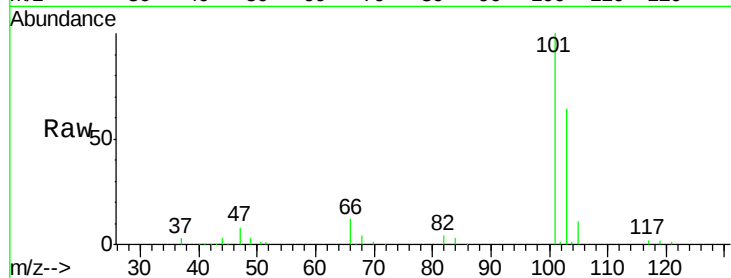


#7

Trichlorofluoromethane
 Concen: 47.089 ug/l
 RT: 2.99 min Scan# 388
 Delta R.T. -0.00 min
 Lab File: VN065046.D
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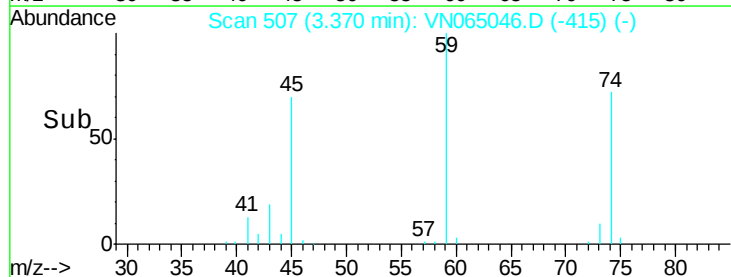
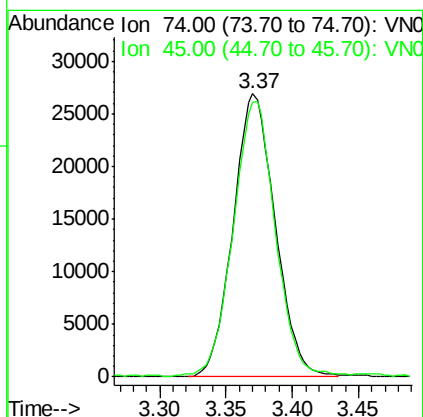
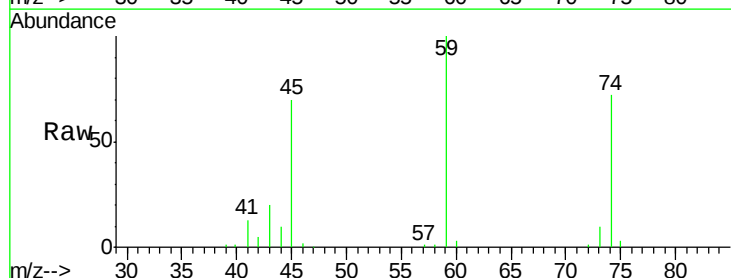
Tgt Ion: 101 Resp: 150111
 Ion Ratio Lower Upper
 101 100
 103 63.6 54.5 81.7

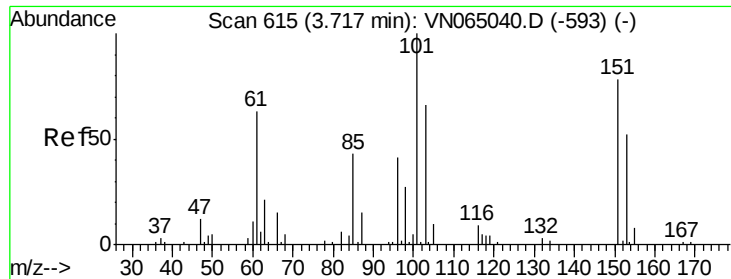


#8

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: 74 Resp: 59321
 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 :

MSVOA_N

ClientSampleId :

ICVVN121020

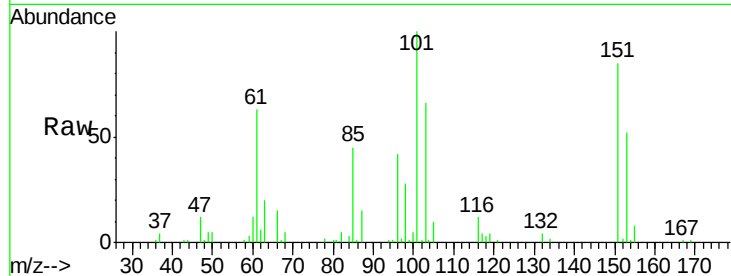
Tgt Ion:101 Resp: 93196

Ion Ratio Lower Upper

101 100

85 43.3 33.2 49.8

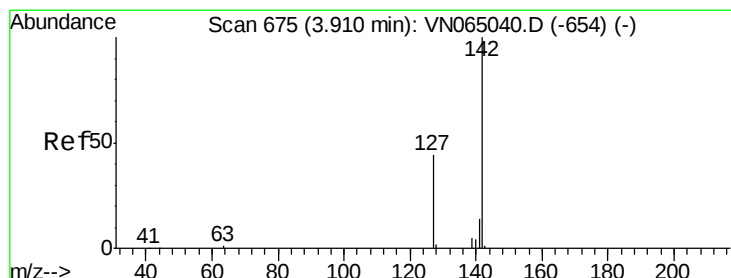
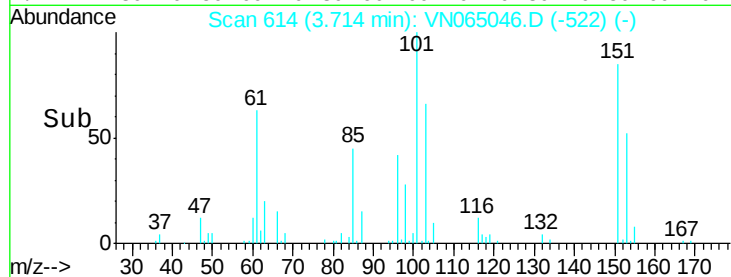
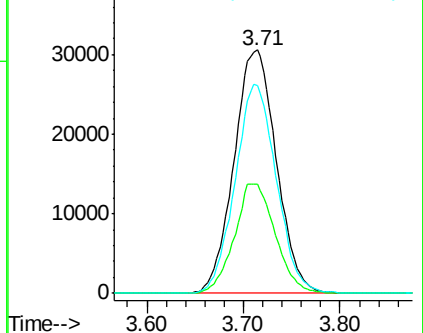
151 83.6 63.7 95.5



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN

Ion 150.80 (150.50 to 151.50): V



#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

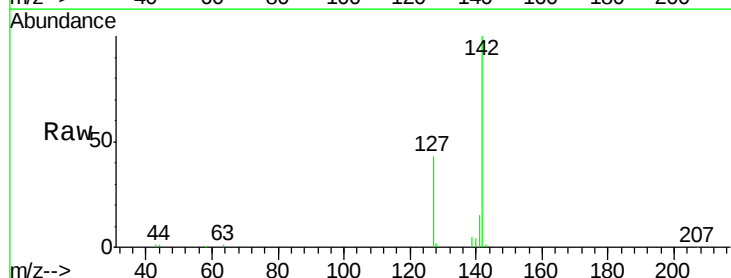
Tgt Ion:142 Resp: 113434

Ion Ratio Lower Upper

142 100

127 42.4 34.6 52.0

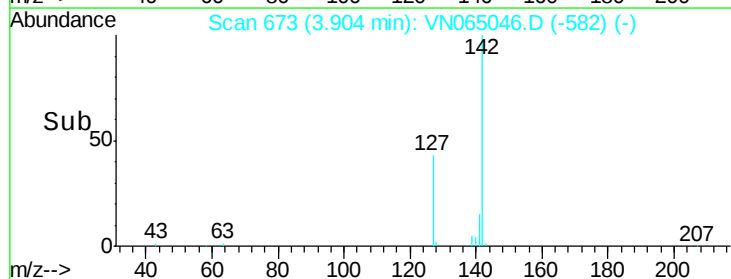
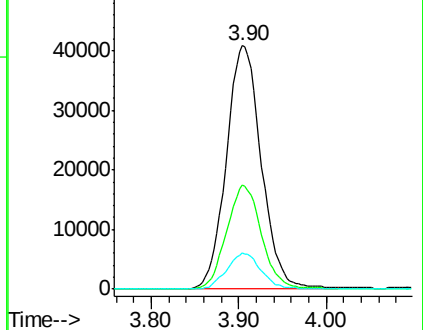
141 14.3 10.9 16.3

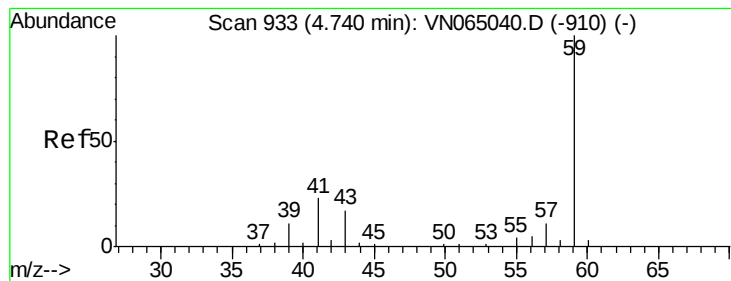


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



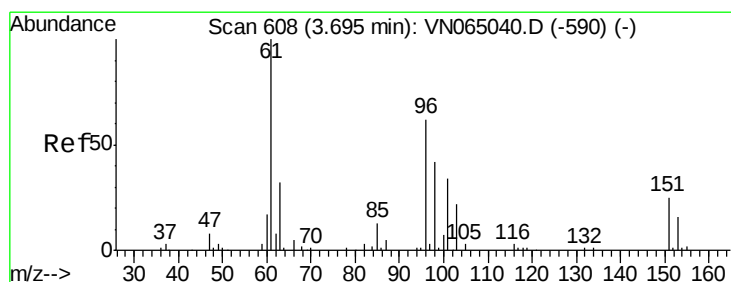
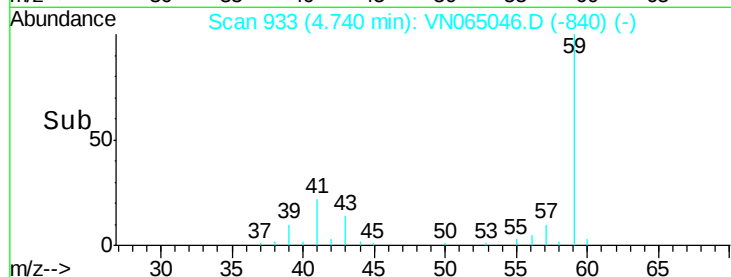
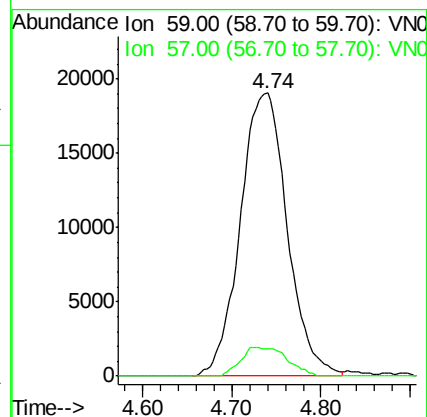
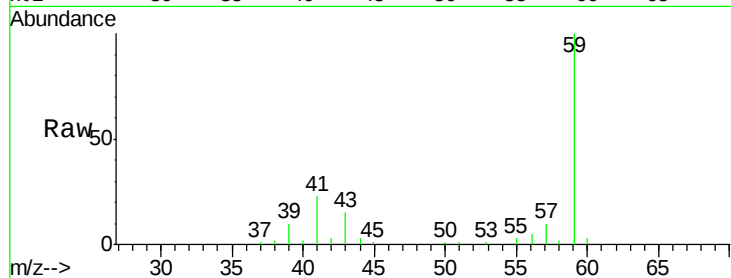


#11

Tert butyl alcohol
Concen: 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

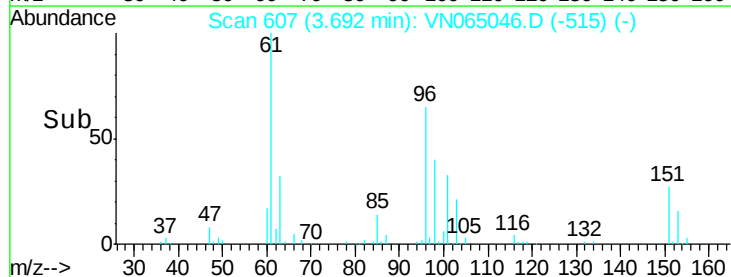
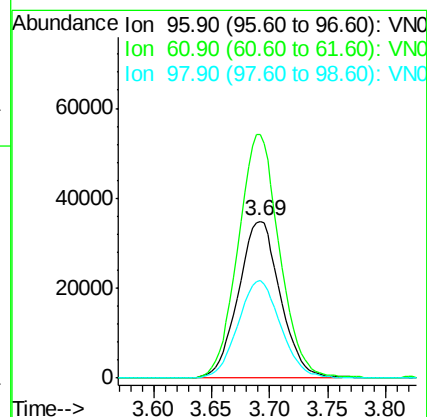
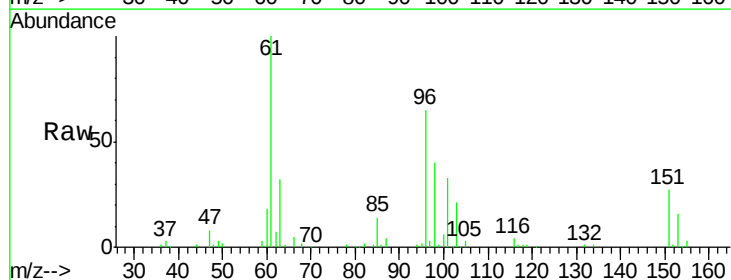
Tgt Ion: 59 Resp: 69665
Ion Ratio Lower Upper
59 100
57 10.0 8.6 12.8

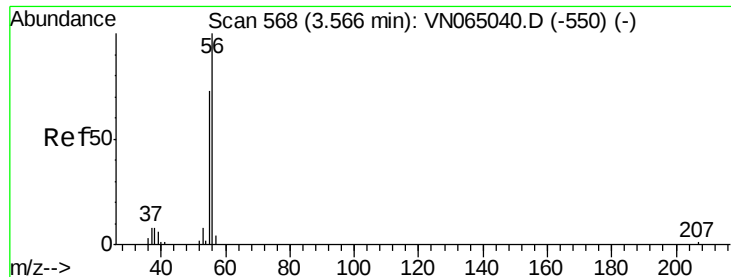


#12

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: 96 Resp: 87744
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 :

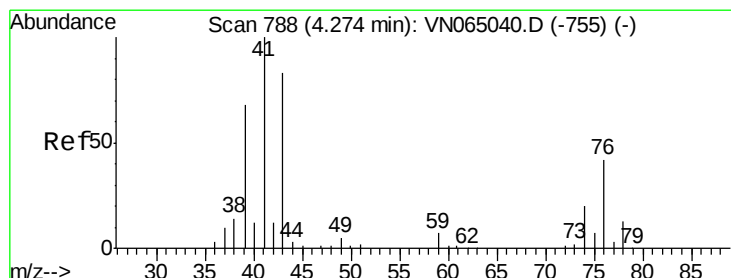
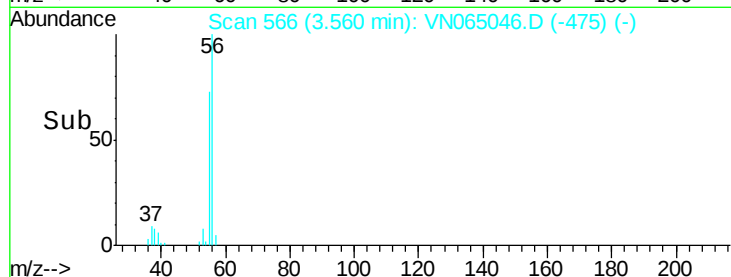
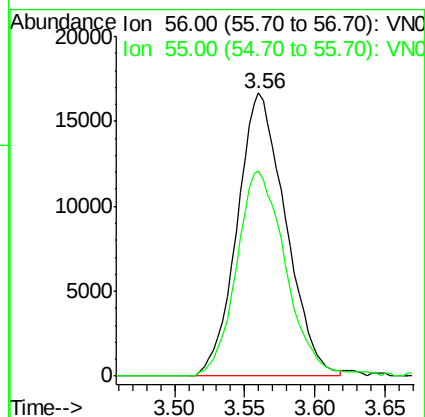
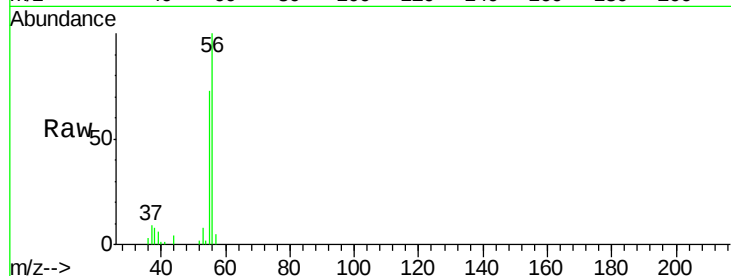
ICVVN121020

Tgt Ion: 56 Resp: 40033

Ion Ratio Lower Upper

56 100

55 73.2 58.4 87.6



#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

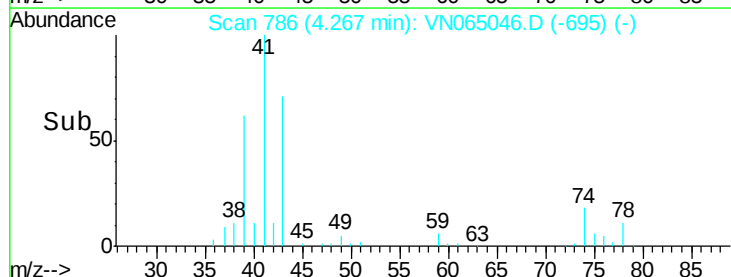
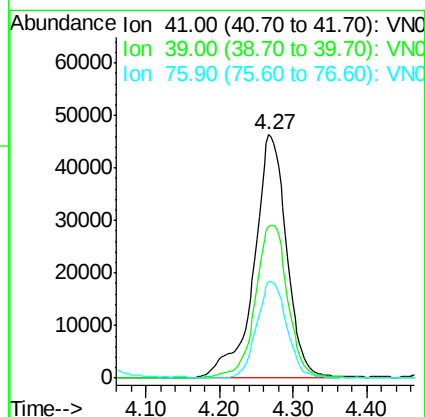
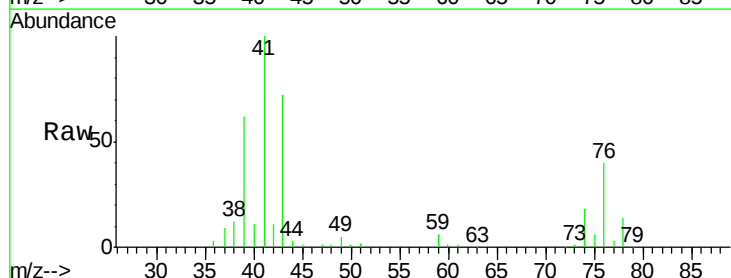
Tgt Ion: 41 Resp: 143519

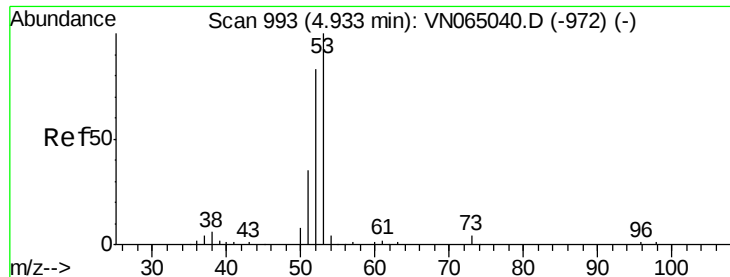
Ion Ratio Lower Upper

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

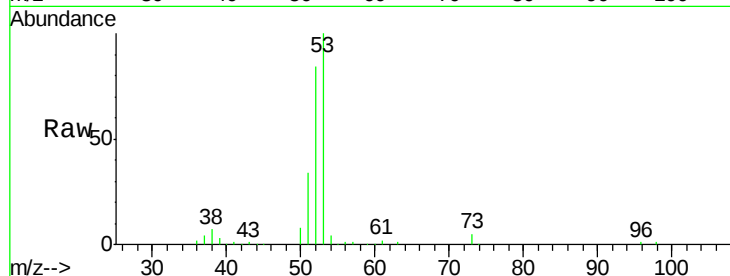
Tgt Ion: 53 Resp: 220014

Ion Ratio Lower Upper

53 100

52 82.1 65.4 98.0

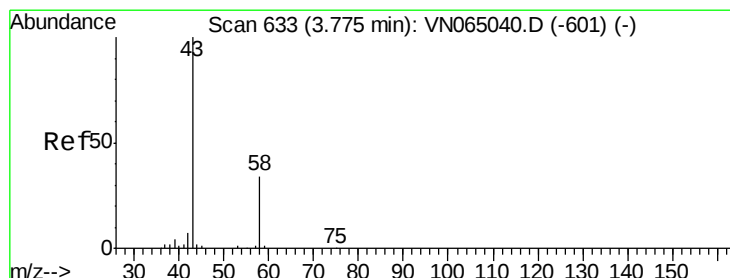
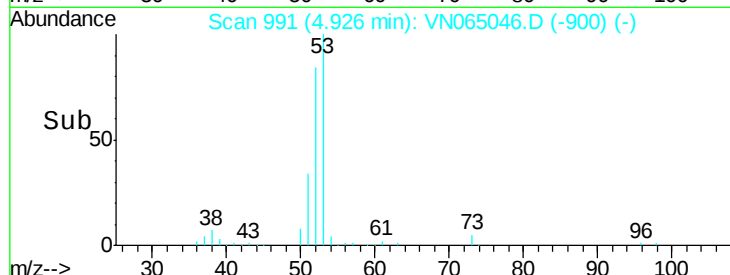
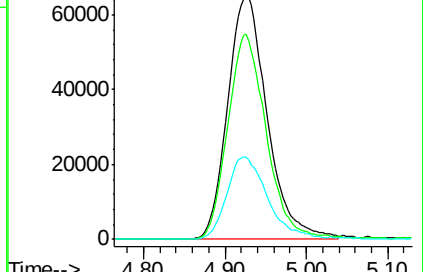
51 34.9 27.8 41.6



Abundance Ion 53.00 (52.70 to 53.70): VN065046.D (-900) (-)

Ion 52.00 (51.70 to 52.70): VN065046.D (-900) (-)

Ion 51.00 (50.70 to 51.70): VN065046.D (-900) (-)



#16

Acetone

Concen: 244.182 ug/l

RT: 3.77 min Scan# 632

Delta R.T. -0.00 min

Lab File: VN065046.D

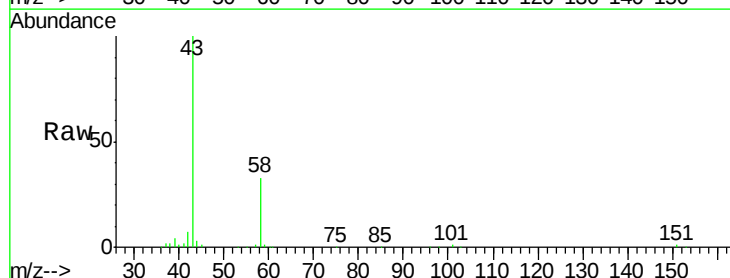
Acq: 10 Dec 2020 16:14

Tgt Ion: 43 Resp: 222350

Ion Ratio Lower Upper

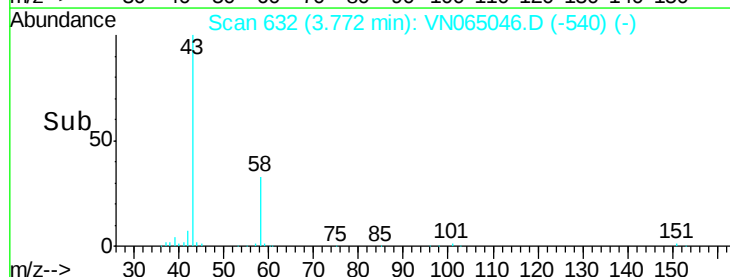
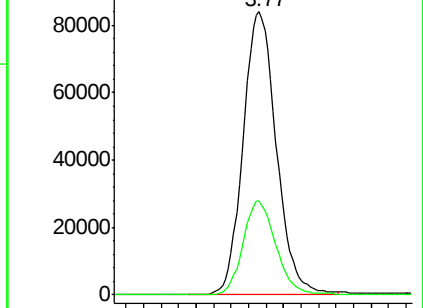
43 100

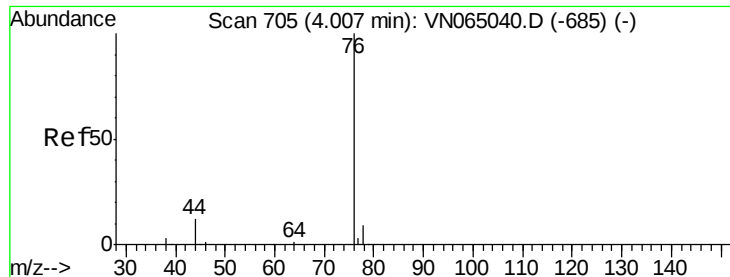
58 33.2 26.8 40.2



Abundance Ion 43.00 (42.70 to 43.70): VN065046.D (-540) (-)

Ion 58.00 (57.70 to 58.70): VN065046.D (-540) (-)

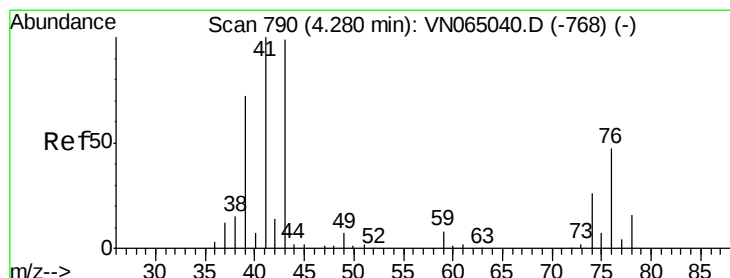
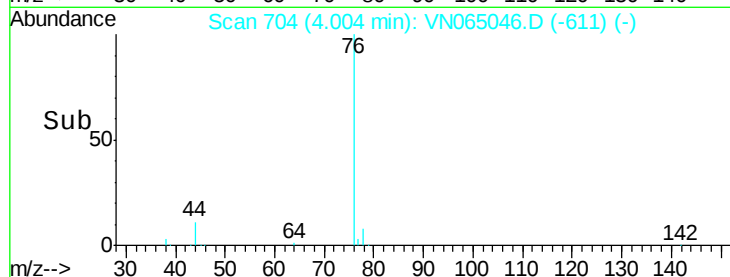
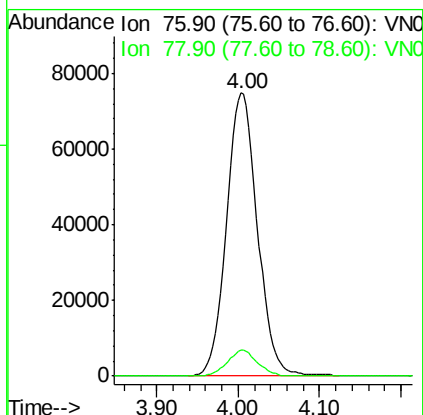
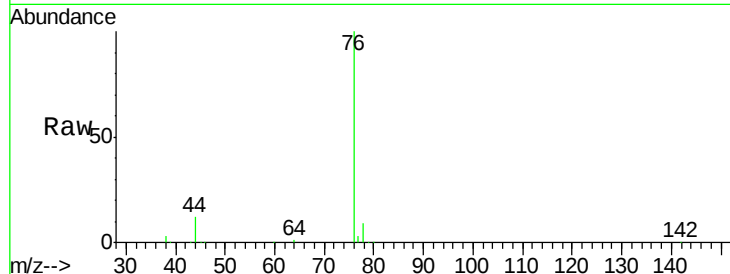




#17
Carbon Disulfide
Concen: 46.794 ug/l
RT: 4.00 min Scan# 704
Delta R.T. -0.00 min
Lab File: VN065046.D
Acq: 10 Dec 2020 16:14

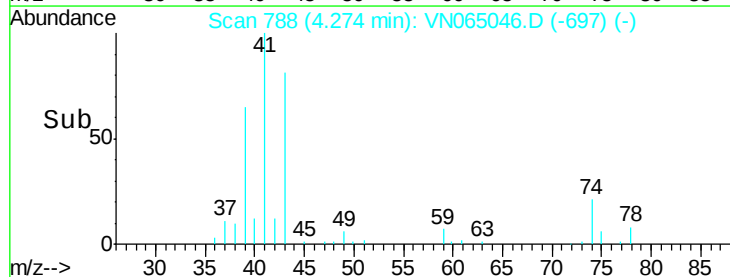
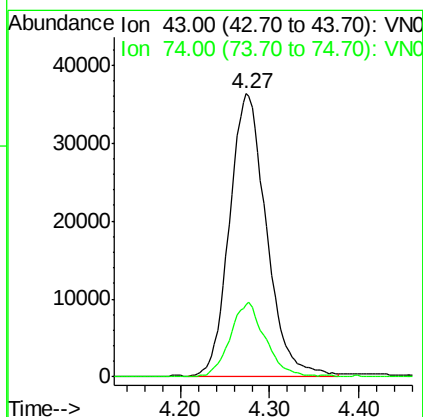
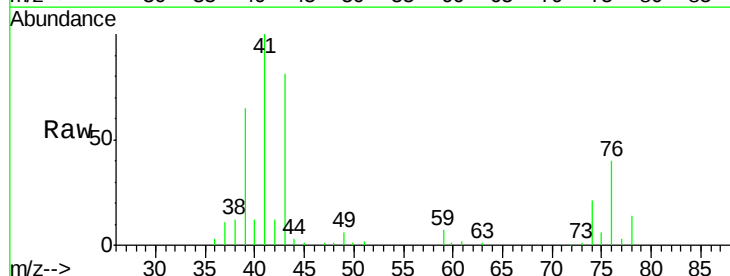
Instrument :
MSVOA_N
ClientSampleId :
ICVVN121020

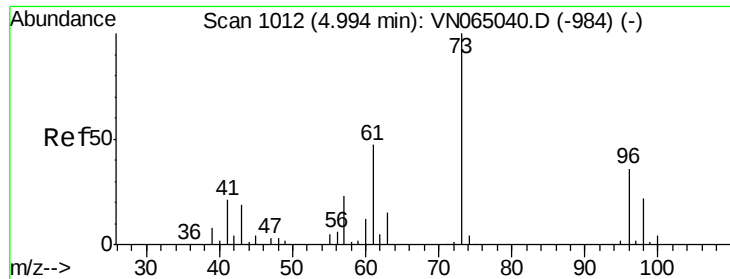
Tgt Ion: 76 Resp: 198779
Ion Ratio Lower Upper
76 100
78 9.2 7.1 10.7



#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

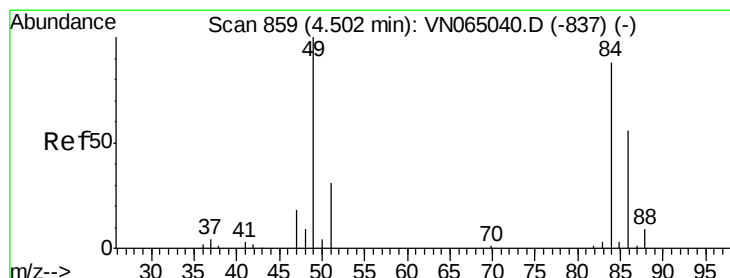
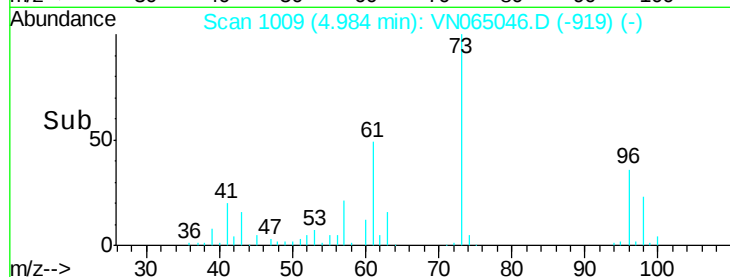
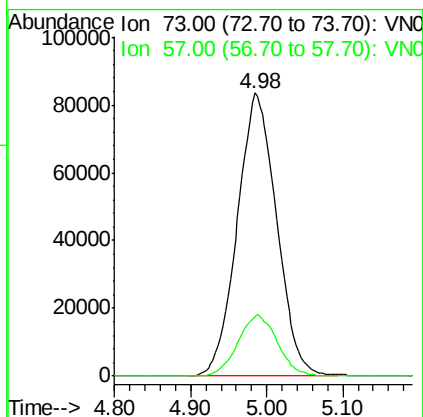
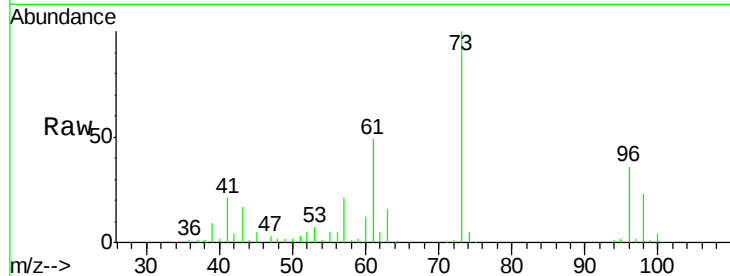




#19
Methyl tert-butyl Ether
Concen: 47.932 ug/l
RT: 4.98 min Scan# 1009
Delta R.T. -0.01 min
Lab File: VN065046.D
Acq: 10 Dec 2020 16:14

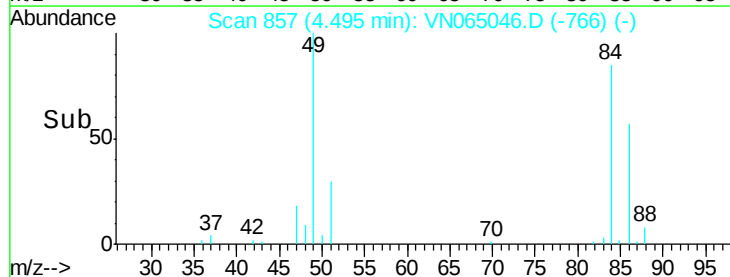
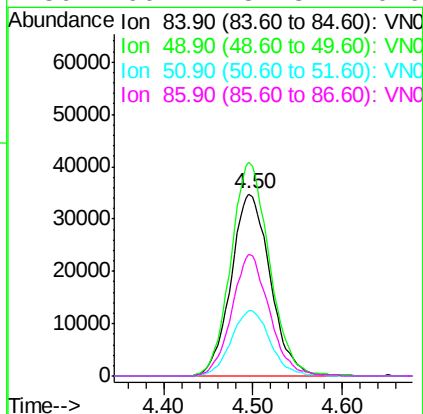
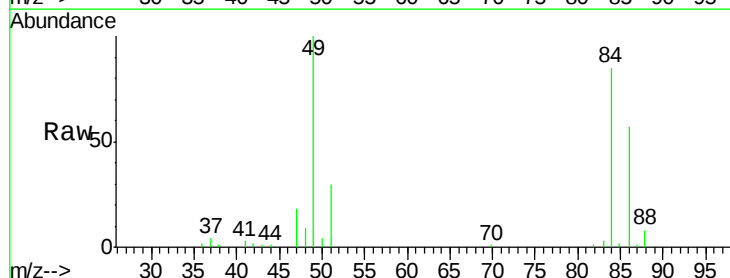
Instrument :
MSVOA_N
ClientSampleId :
ICVVN121020

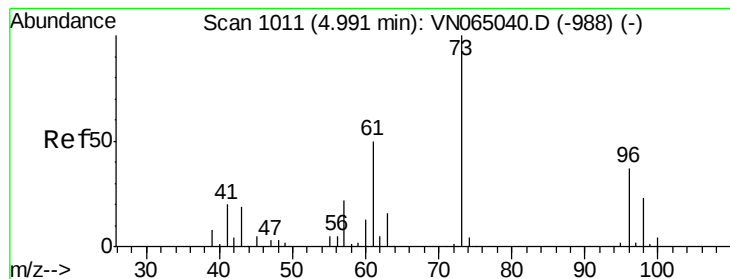
Tgt Ion: 73 Resp: 300394
Ion Ratio Lower Upper
73 100
57 21.1 18.0 27.0



#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 :

ICVFN121020

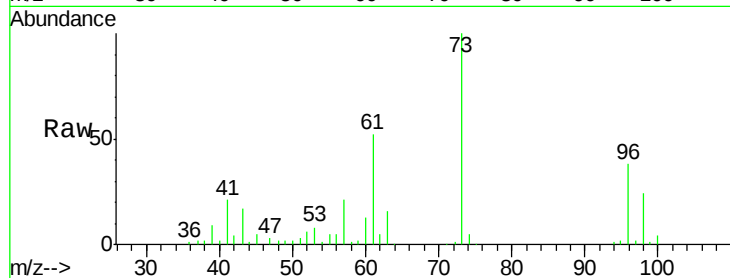
Tgt Ion: 96 Resp: 96025

Ion Ratio Lower Upper

96 100

61 137.6 107.1 160.7

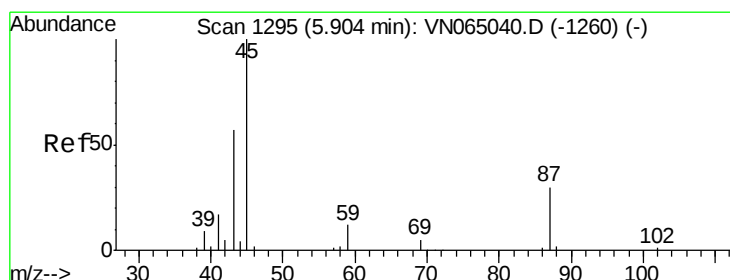
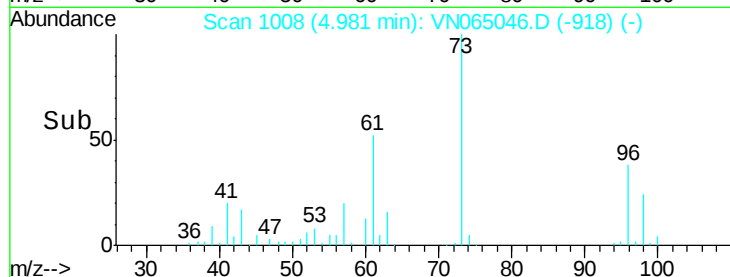
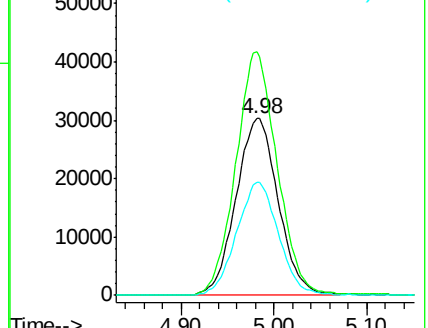
98 64.2 49.8 74.8



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

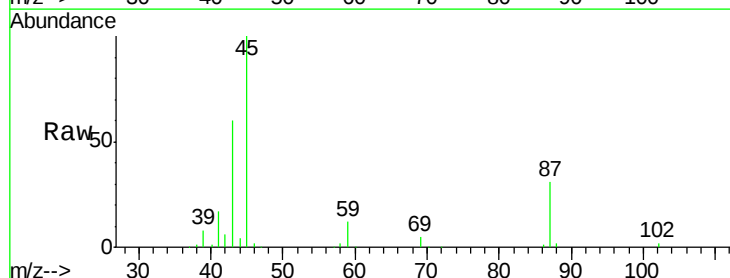
Ion Ratio Lower Upper

45 100

43 58.8 47.9 71.9

87 30.4 24.3 36.5

59 11.6 9.5 14.3

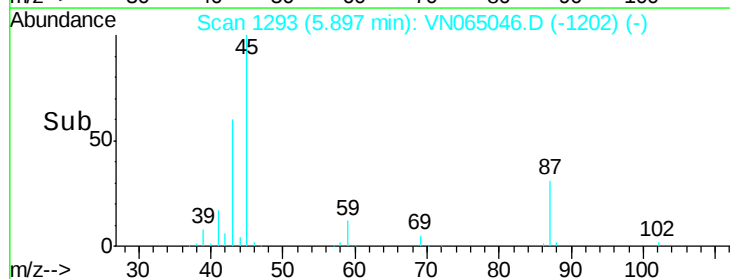
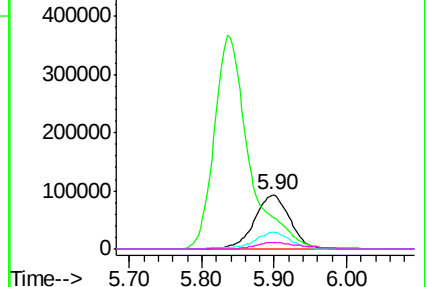


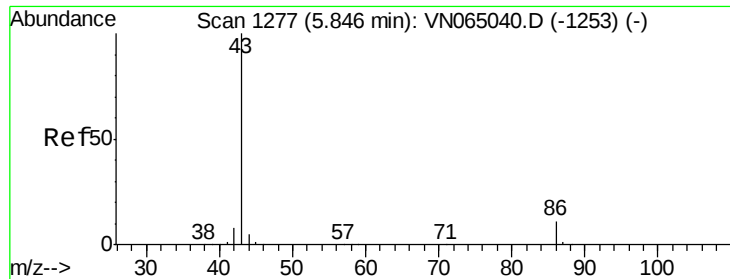
Abundance Ion 45.00 (44.70 to 45.70): VN065046.D (-1202) (-)

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 :

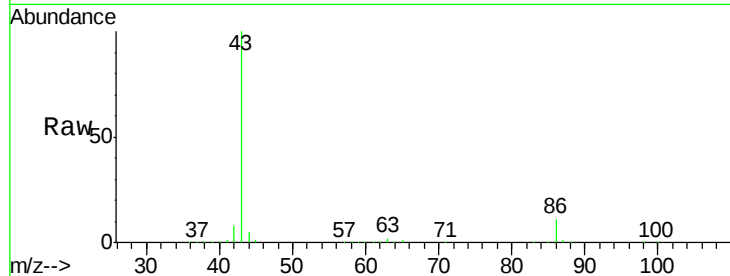
ICVFN121020

Tgt Ion: 43 Resp: 1217907

Ion Ratio Lower Upper

43 100

86 10.5 8.6 12.8



Abundance Ion 43.00 (42.70 to 43.70): VN065046.D (-1184) (-)

Ion 86.00 (85.70 to 86.70): VN065046.D (-1184) (-)

5.84

400000

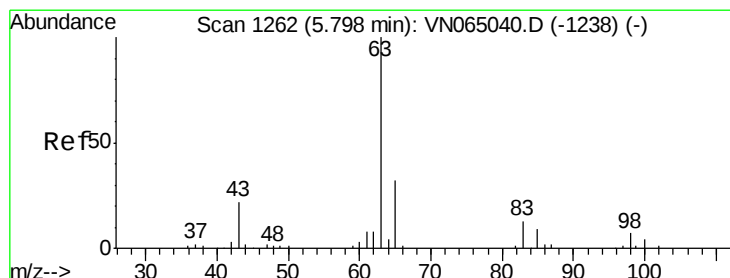
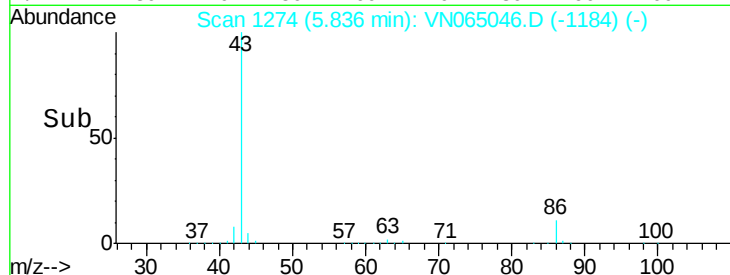
300000

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

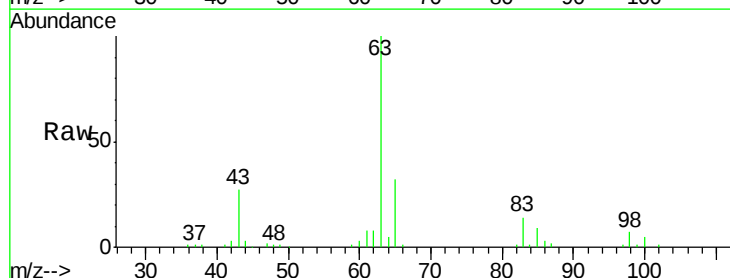
Tgt Ion: 63 Resp: 184082

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): VN065046.D (-1169) (-)

Ion 97.90 (97.60 to 98.60): VN065046.D (-1169) (-)

Ion 99.90 (99.60 to 100.60): VN065046.D (-1169) (-)

5.79

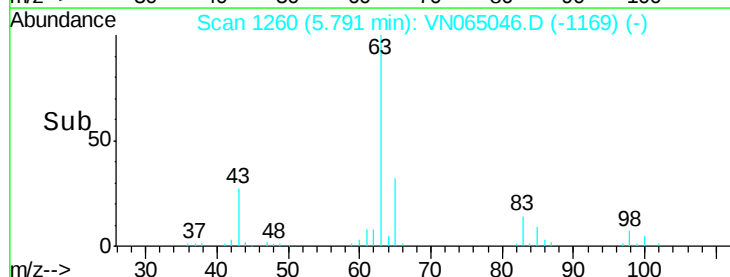
60000

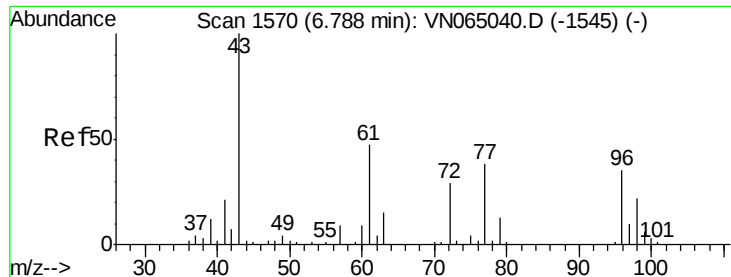
40000

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 :

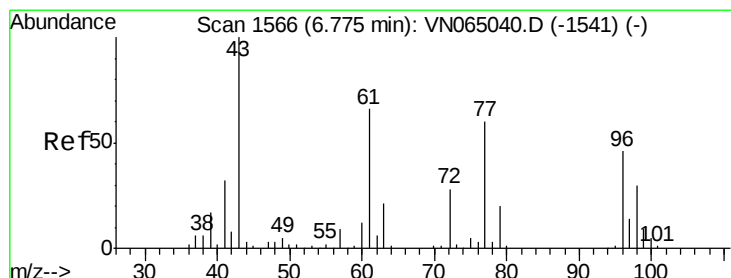
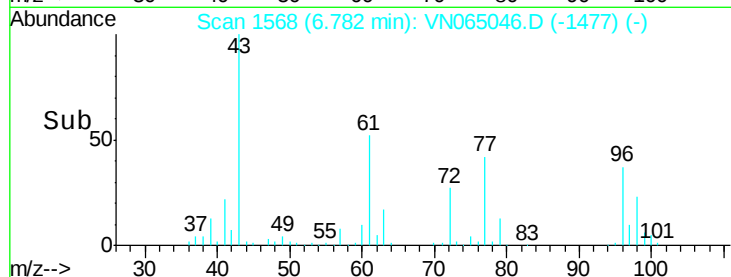
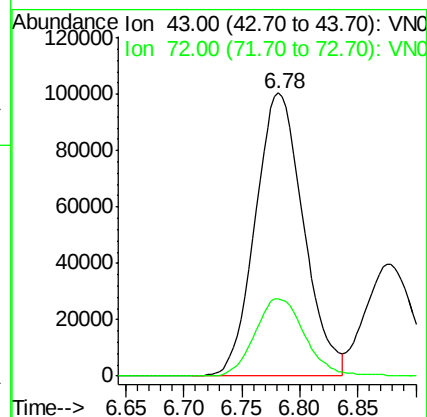
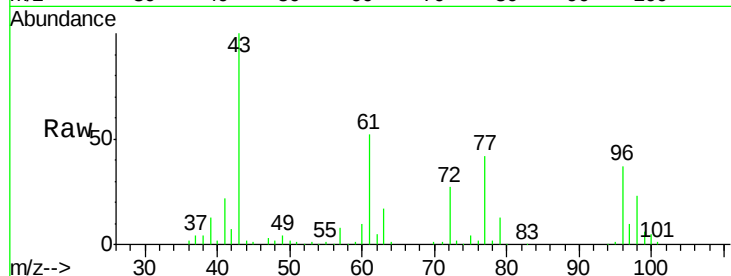
ICVVN121020

Tgt Ion: 43 Resp: 290033

Ion Ratio Lower Upper

43 100

72 27.3 22.9 34.3



#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

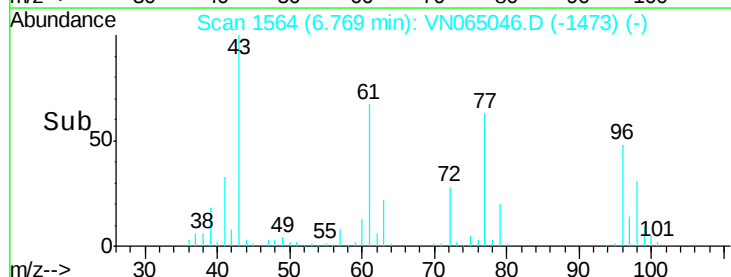
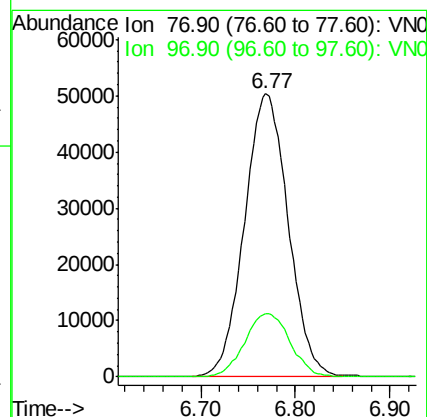
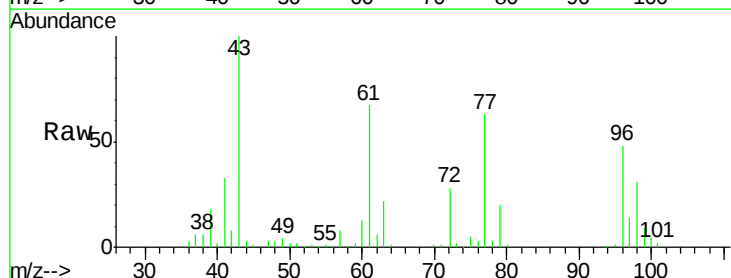
Acq: 10 Dec 2020 16:14

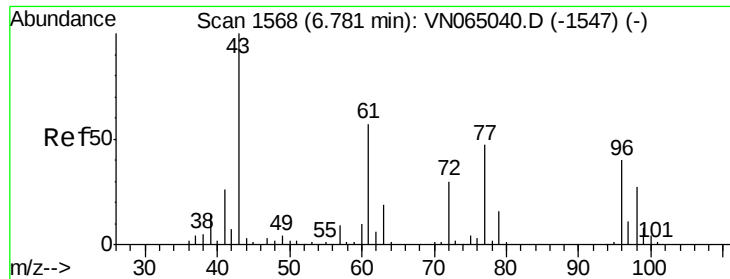
Tgt Ion: 77 Resp: 161617

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

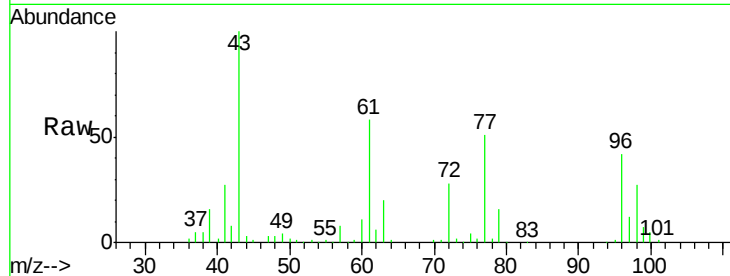
Tgt Ion: 96 Resp: 114972

Ion Ratio Lower Upper

96 100

61 142.2 0.0 283.6

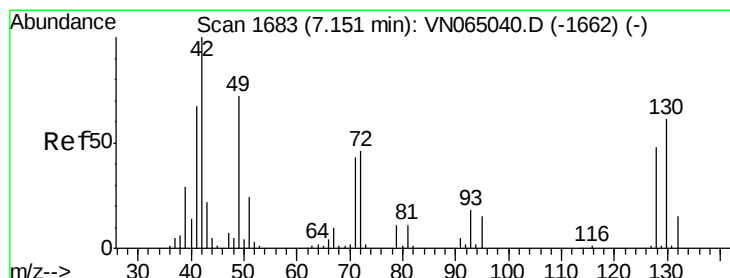
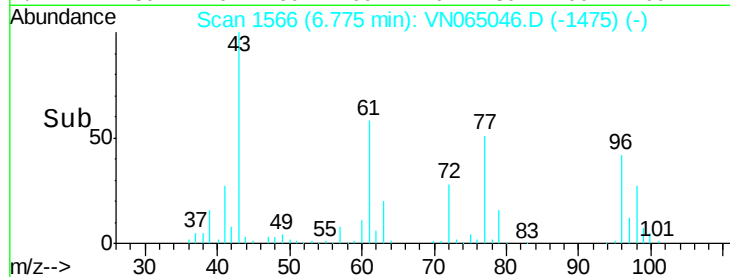
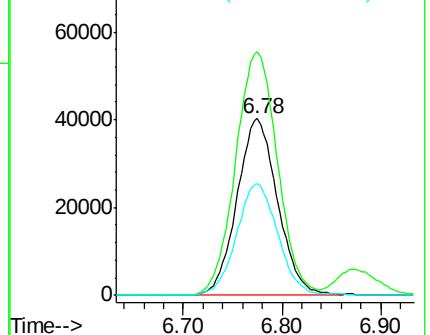
98 64.3 0.0 130.8



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

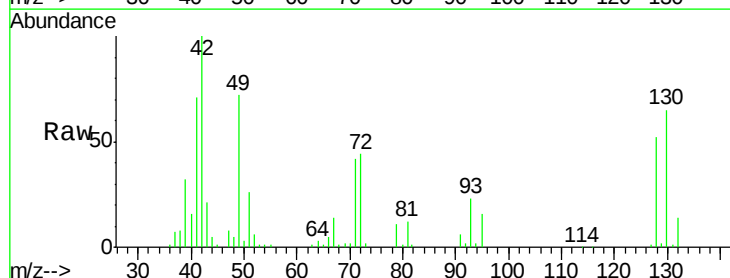
Tgt Ion: 49 Resp: 81686

Ion Ratio Lower Upper

49 100

129 1.9 0.0 2.2

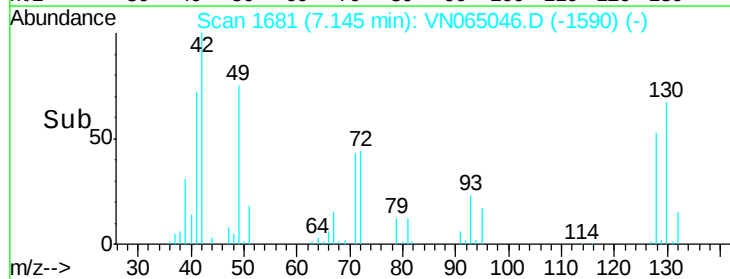
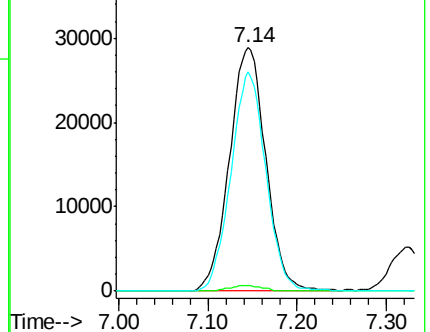
130 86.3 67.9 101.9

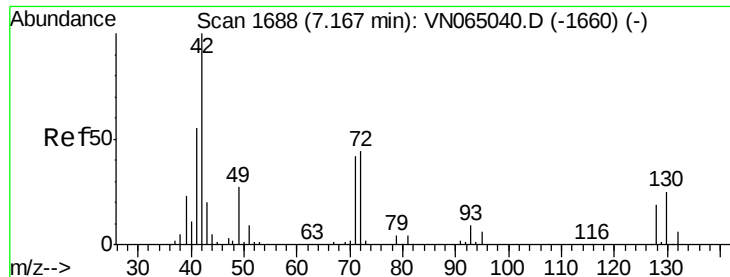


Abundance Ion 48.90 (48.60 to 49.60): VN065046.D (-1590) (-)

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

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

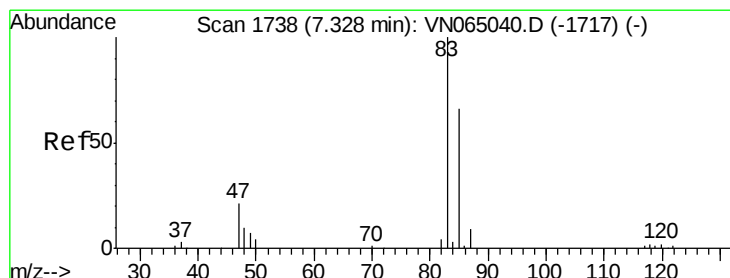
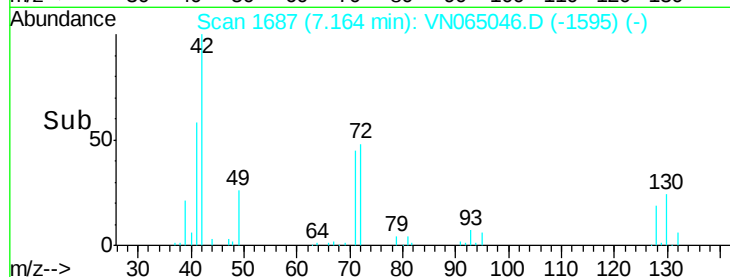
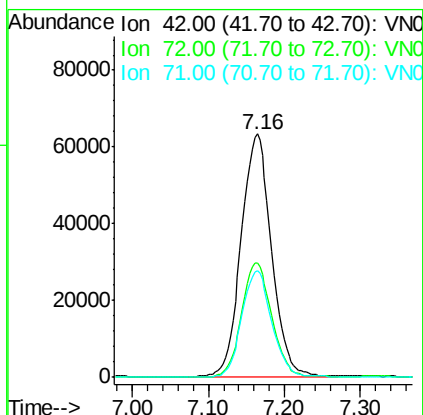
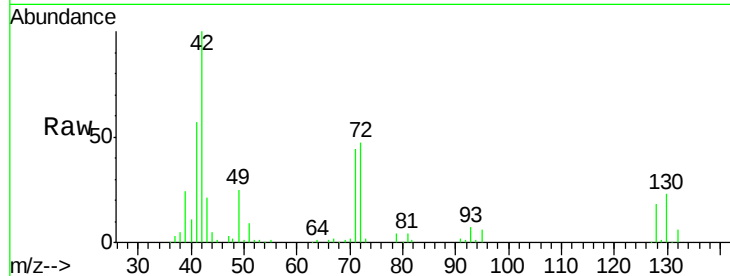




#29
Tetrahydrofuran
Concen: 226.120 ug/l
RT: 7.16 min Scan# 1687
Delta R.T. -0.00 min
Lab File: VN065046.D
Acq: 10 Dec 2020 16:14

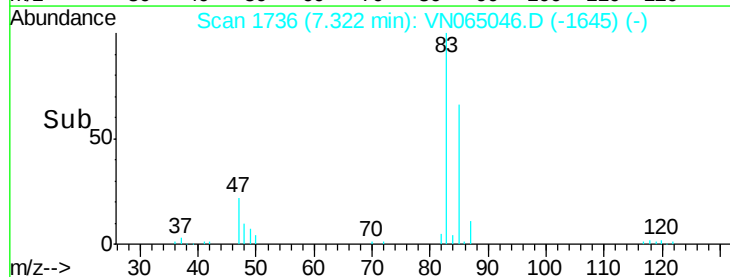
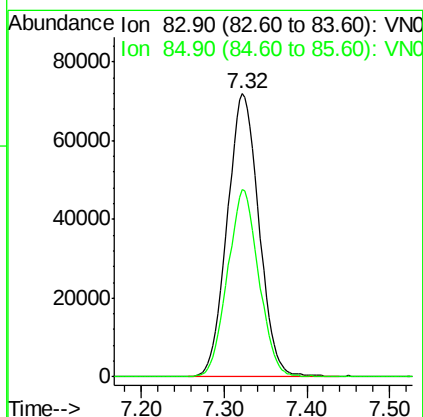
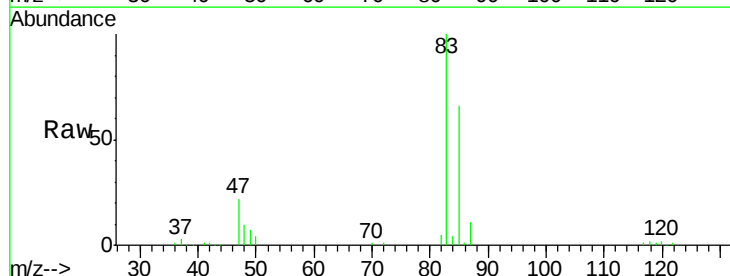
Instrument :
MSVOA_N
ClientSampleId :
ICVVN121020

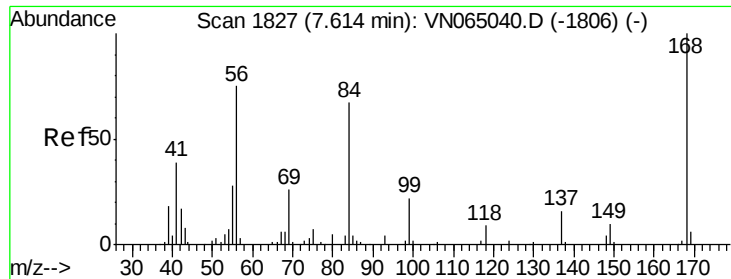
Tgt Ion: 42 Resp: 178255
Ion Ratio Lower Upper
42 100
72 46.2 35.8 53.6
71 43.0 33.5 50.3



#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: 83 Resp: 191759
Ion Ratio Lower Upper
83 100
85 66.1 52.6 78.8

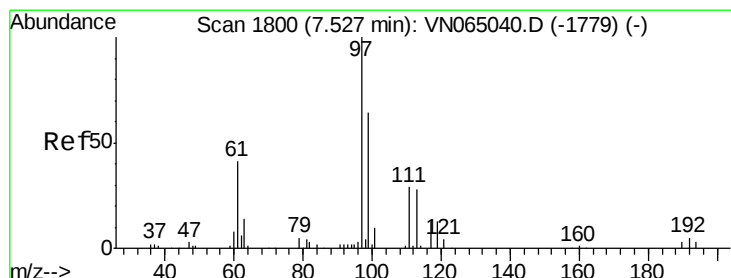
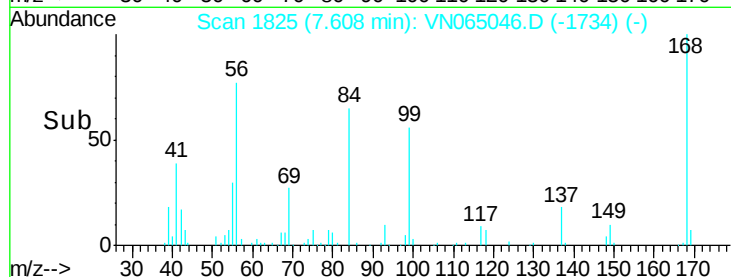
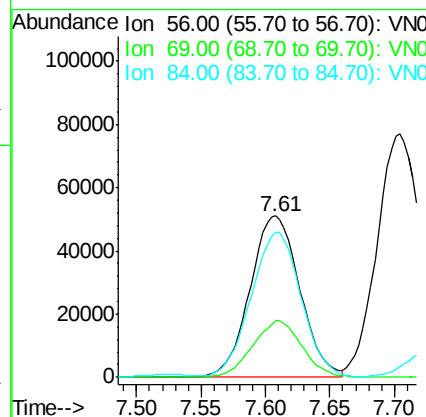
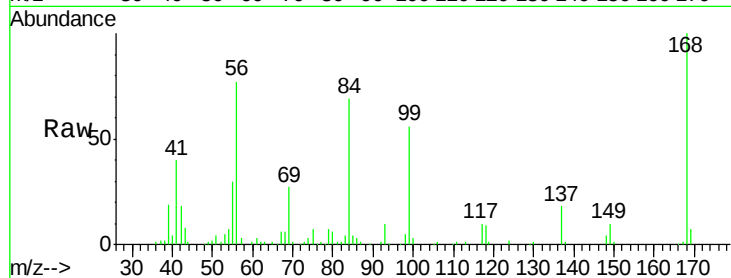




#31
Cyclohexane
Concen: 47.747 ug/l
RT: 7.61 min Scan# 1825
Delta R.T. -0.01 min
Lab File: VN065046.D
Acq: 10 Dec 2020 16:14

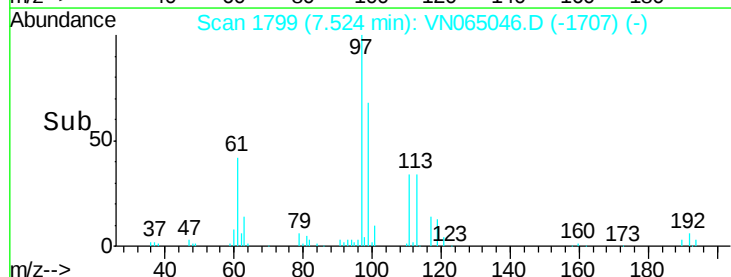
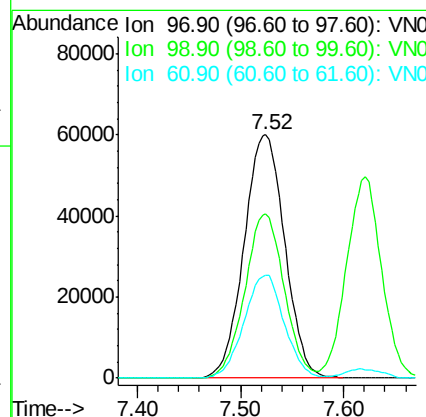
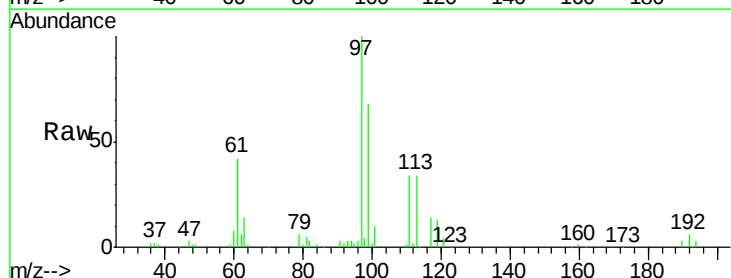
Instrument :
MSVOA_N
ClientSampleId :
ICVVN121020

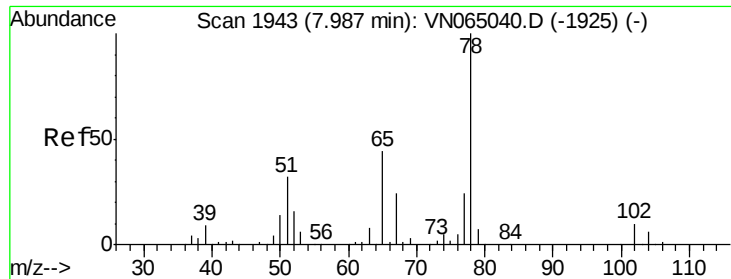
Tgt Ion: 56 Resp: 137163
Ion Ratio Lower Upper
56 100
69 34.8 27.5 41.3
84 89.2 72.4 108.6



#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: 97 Resp: 164486
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 :

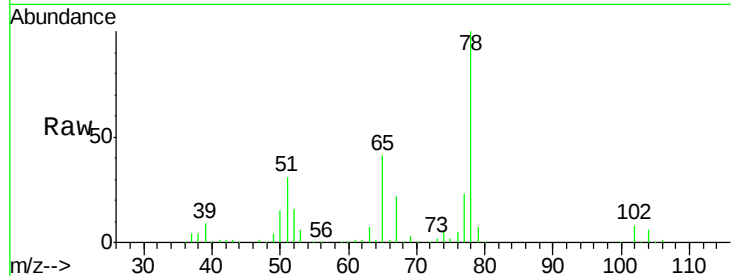
ICVFN121020

Tgt Ion: 65 Resp: 114912

Ion Ratio Lower Upper

65 100

67 55.2 0.0 108.4



Abundance Ion 64.90 (64.60 to 65.60): VN065040.D (-1925) (-)

Ion 66.90 (66.60 to 67.60): VN065040.D (-1925) (-)

7.98

50000

40000

30000

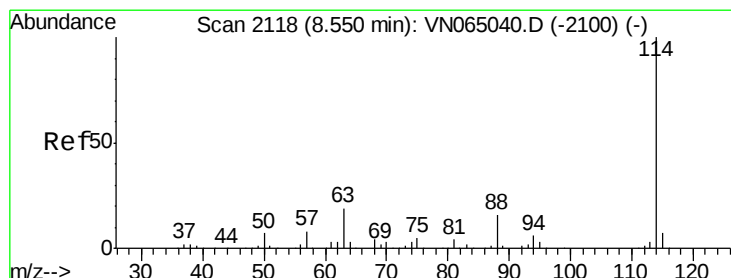
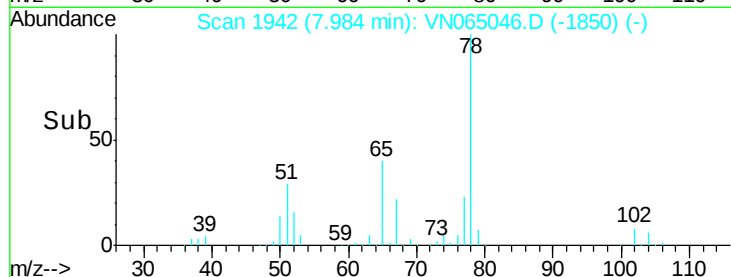
20000

10000

0

7.90 7.95 8.00 8.05

Time-->



#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

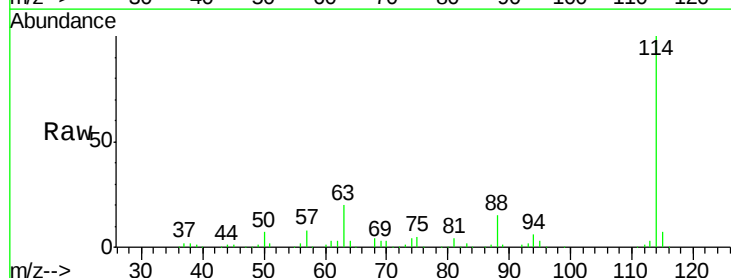
Tgt Ion: 114 Resp: 324473

Ion Ratio Lower Upper

114 100

63 19.7 0.0 38.2

88 15.5 0.0 31.6



Abundance Ion 113.90 (113.60 to 114.60): VN065040.D (-2100) (-)

Ion 63.00 (62.70 to 63.70): VN065040.D (-2100) (-)

Ion 87.90 (87.60 to 88.60): VN065040.D (-2100) (-)

8.54

200000

150000

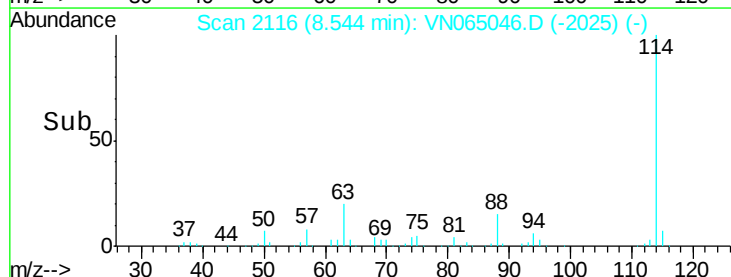
100000

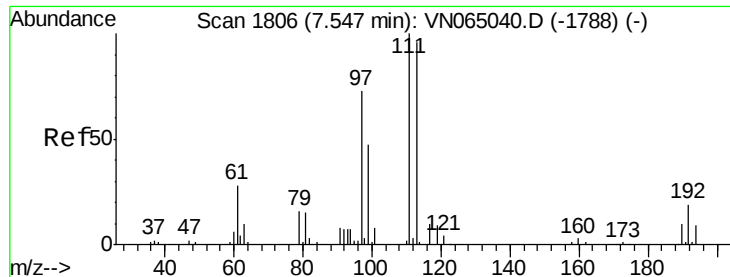
50000

0

8.50 8.55 8.60

Time-->

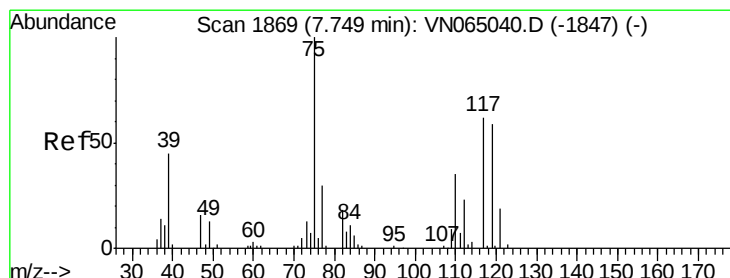
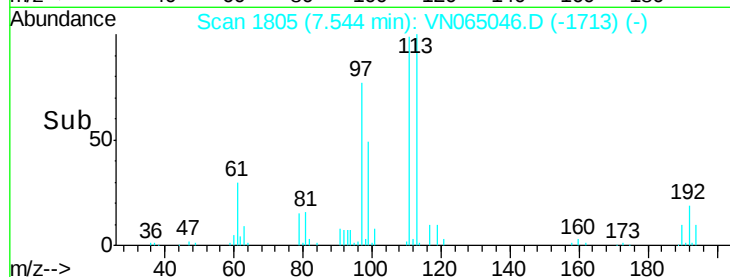
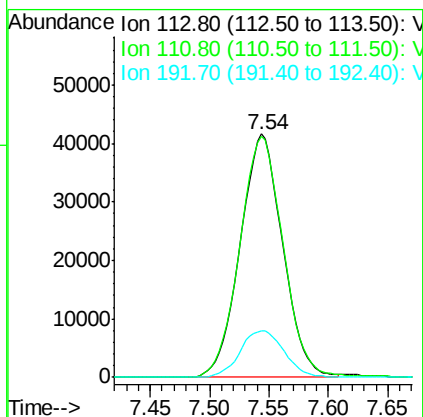
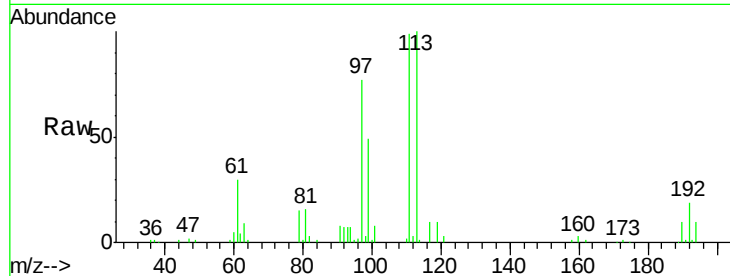




#35
 Dibromofluoromethane
 Concen: 47.881 ug/l
 RT: 7.54 min Scan# 1805
 Delta R.T. -0.00 min
 Lab File: VN065046.D
 Acq: 10 Dec 2020 16:14

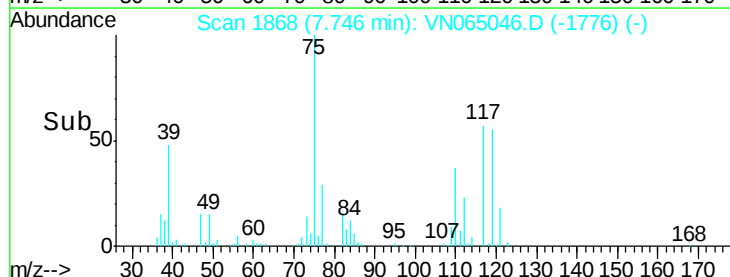
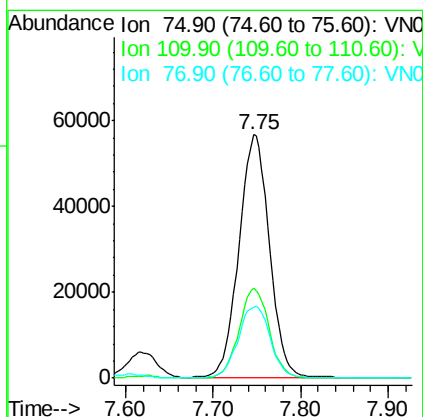
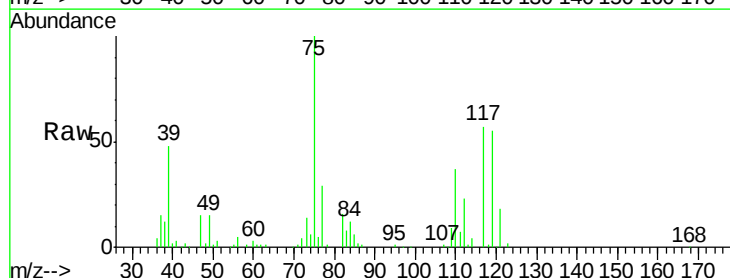
Instrument :
 MSVOA_N
 ClientSampled :
 ICVVN121020

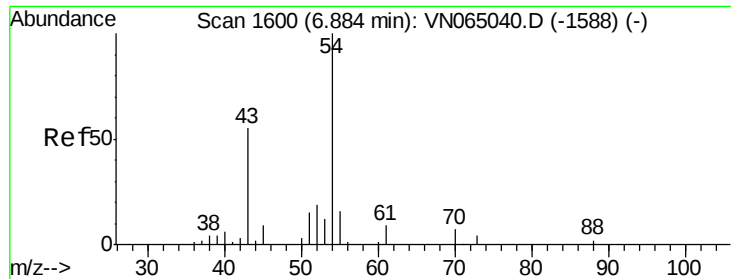
Tgt Ion: 113 Resp: 102782
 Ion Ratio Lower Upper
 113 100
 111 101.5 83.4 125.0
 192 19.8 16.2 24.2



#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

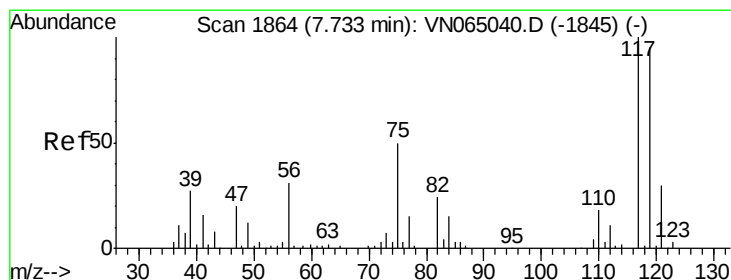
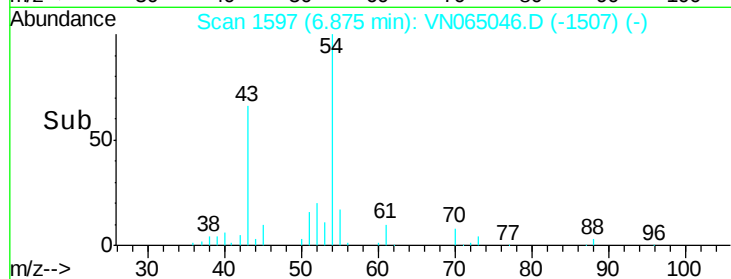
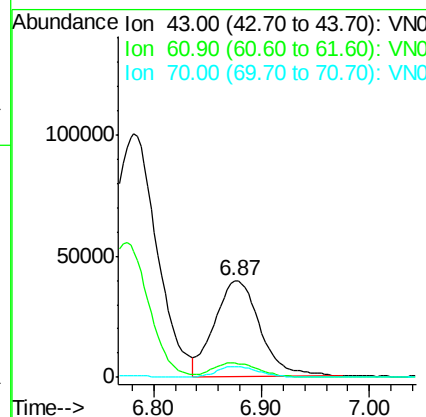
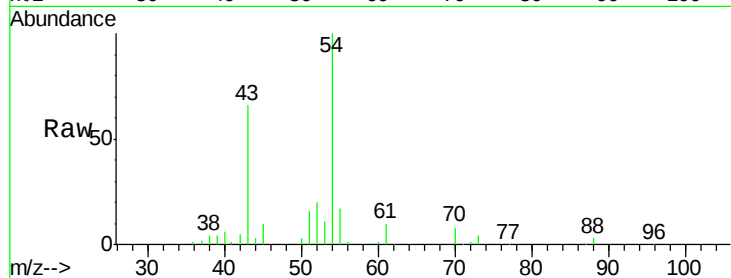




#37
Ethyl Acetate
Concen: 46.013 ug/l
RT: 6.87 min Scan# 1597
Delta R.T. -0.01 min
Lab File: VN065046.D
Acq: 10 Dec 2020 16:14

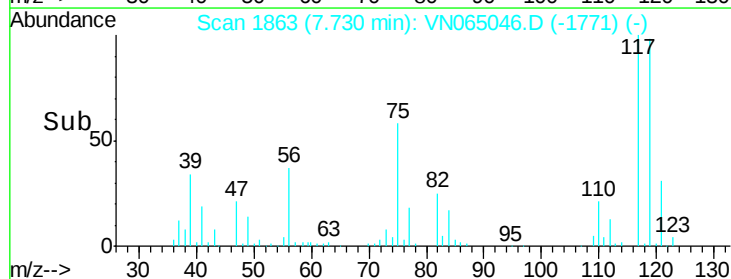
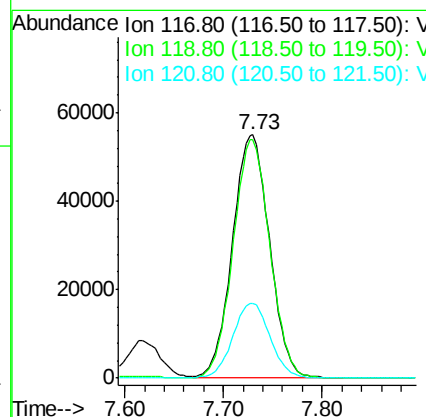
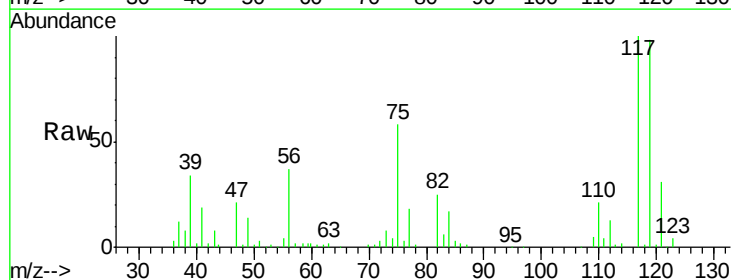
Instrument :
MSVOA_N
ClientSampled :
ICVVN121020

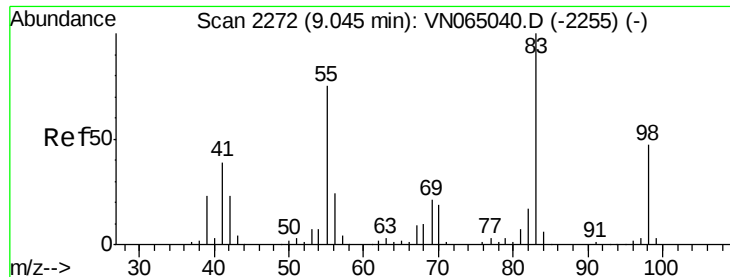
Tgt Ion: 43 Resp: 115786
Ion Ratio Lower Upper
43 100
61 14.5 11.9 17.9
70 10.8 9.2 13.8



#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: 117 Resp: 144044
Ion Ratio Lower Upper
117 100
119 97.7 75.9 113.9
121 30.8 24.1 36.1

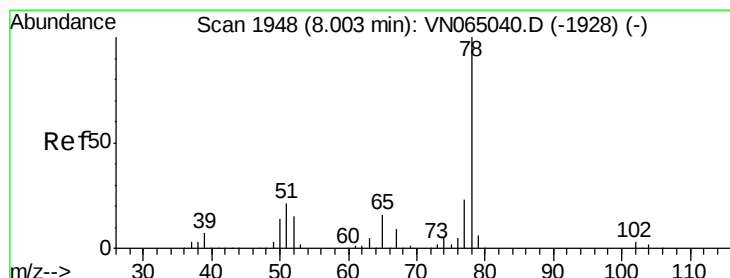
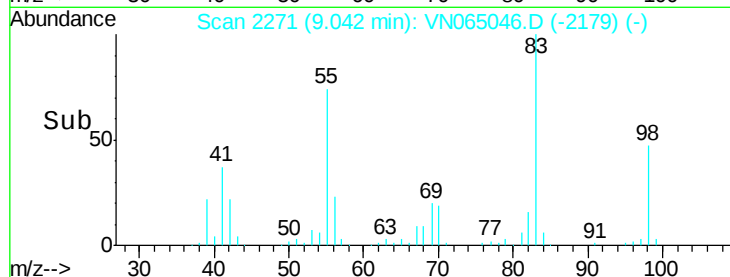
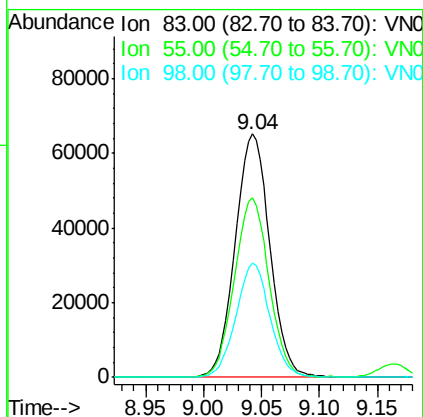
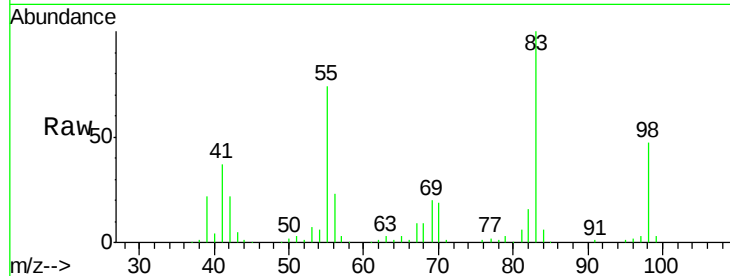




#39
Methylcyclohexane
Concen: 49.704 ug/l
RT: 9.04 min Scan# 2271
Delta R.T. -0.00 min
Lab File: VN065046.D
Acq: 10 Dec 2020 16:14

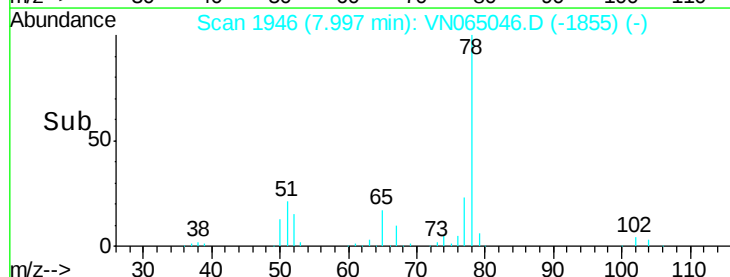
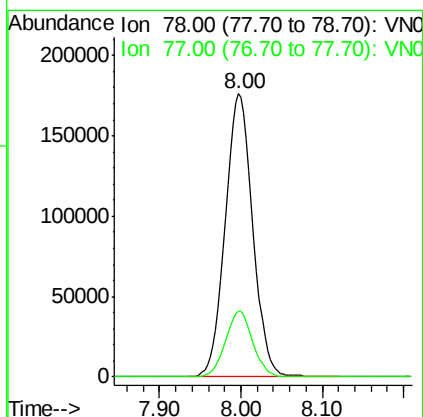
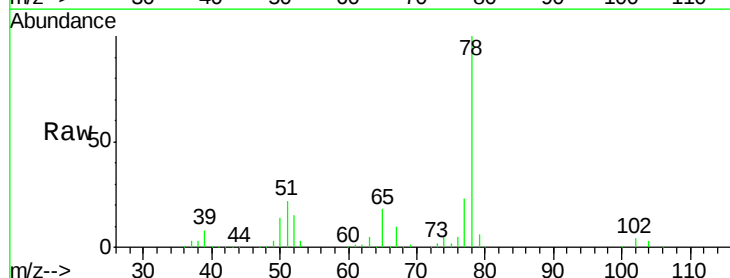
Instrument :
MSVOA_N
ClientSampleId :
ICVFN121020

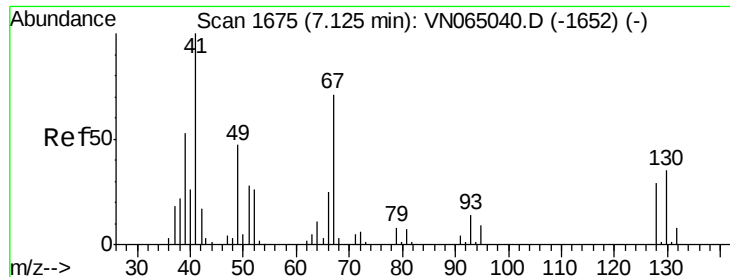
Tgt Ion: 83 Resp: 135192
Ion Ratio Lower Upper
83 100
55 73.9 60.3 90.5
98 47.1 37.4 56.0



#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: 78 Resp: 417579
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

ClientSampled :

ICVVN121020

Tgt Ion: 41 Resp: 58350

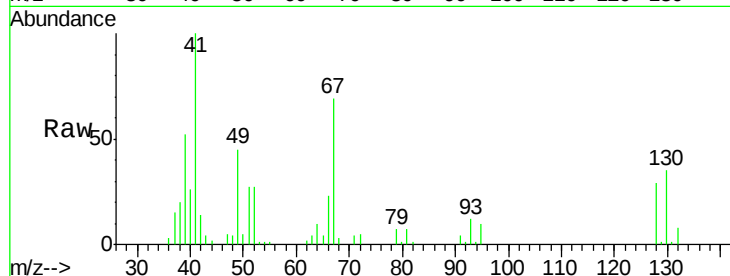
Ion Ratio Lower Upper

41 100

39 60.8 36.0 54.0#

67 87.0 64.8 97.2

52 34.1 25.4 38.2

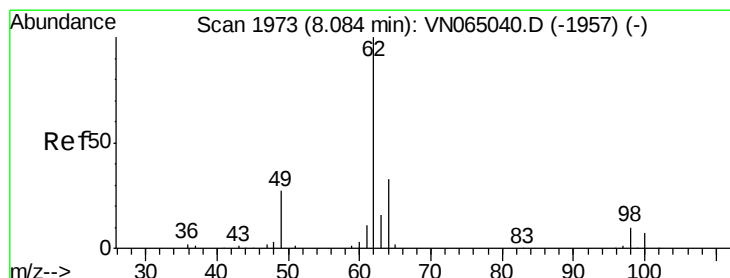
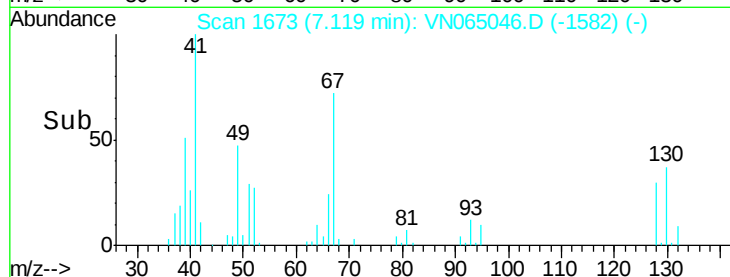
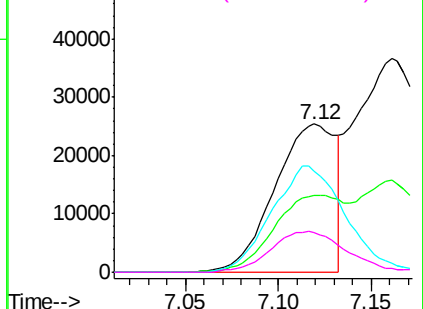


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 67.00 (66.70 to 67.70): VN0

Ion 52.00 (51.70 to 52.70): VN0



#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

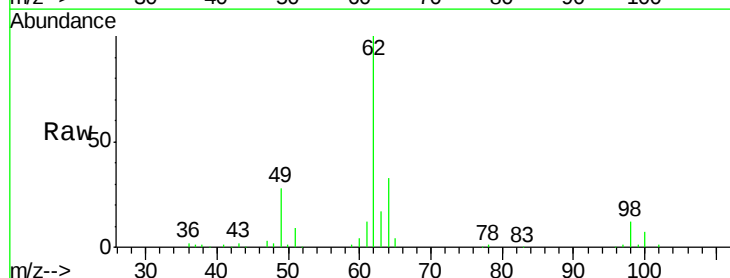
Acq: 10 Dec 2020 16:14

Tgt Ion: 62 Resp: 138061

Ion Ratio Lower Upper

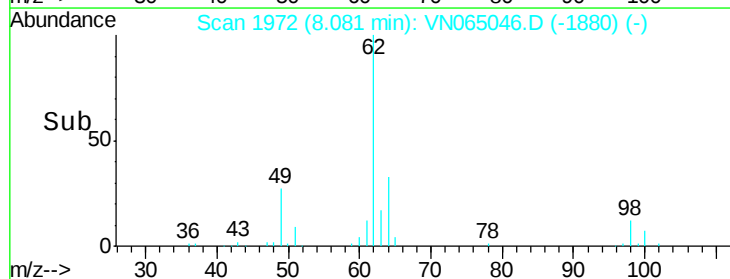
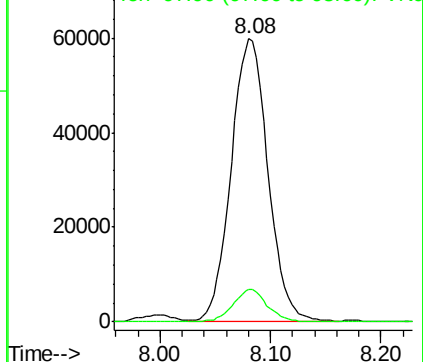
62 100

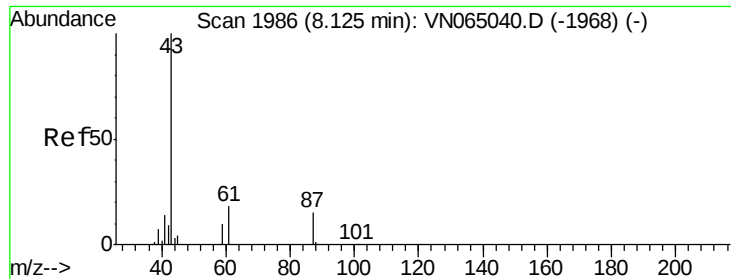
98 10.6 0.0 19.8



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 97.90 (97.60 to 98.60): VN0





#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 :

ICVFN121020

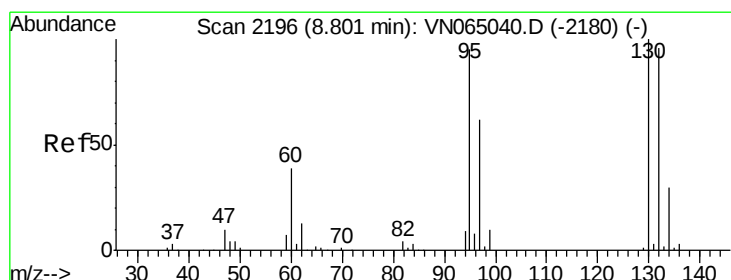
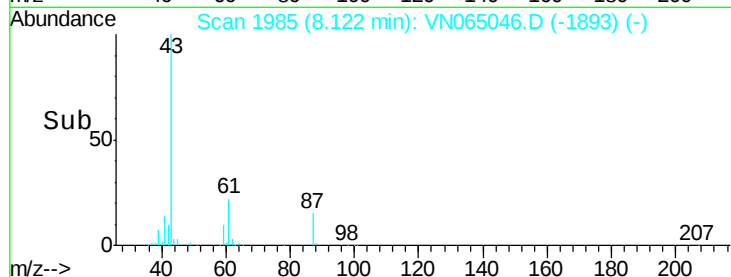
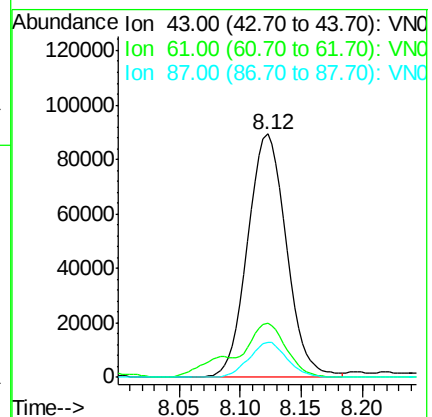
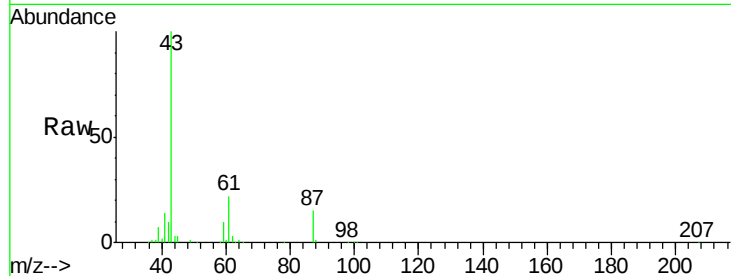
Tgt Ion: 43 Resp: 195301

Ion Ratio Lower Upper

43 100

61 21.5 16.9 25.3

87 14.2 11.4 17.2



#44

Trichloroethene

Concen: 50.144 ug/l

RT: 8.80 min Scan# 2195

Delta R.T. -0.00 min

Lab File: VN065046.D

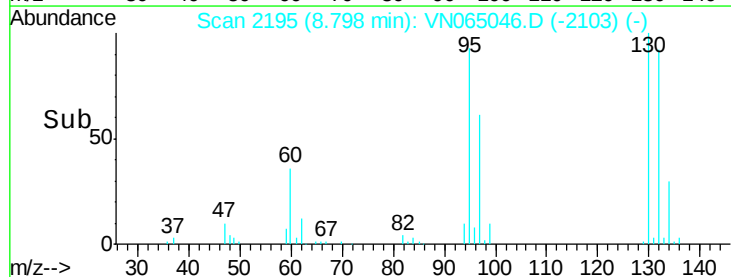
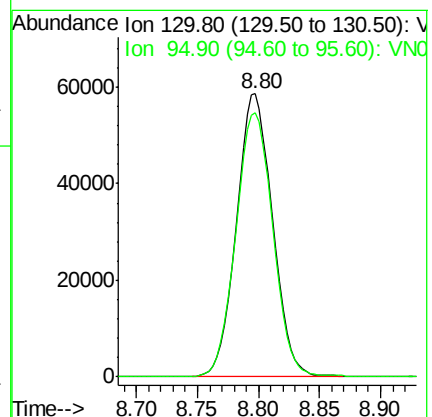
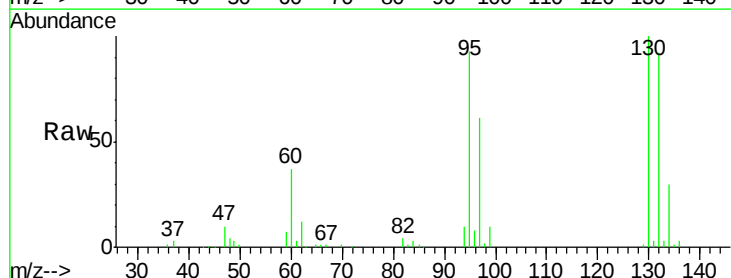
Acq: 10 Dec 2020 16:14

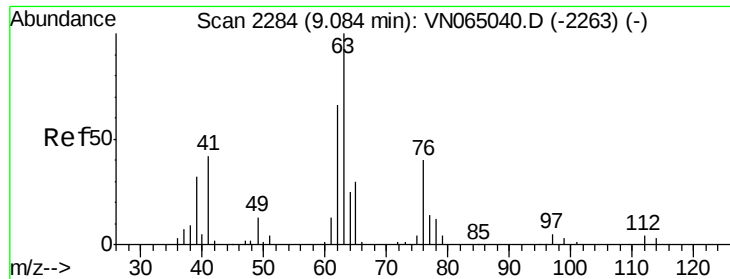
Tgt Ion: 130 Resp: 120051

Ion Ratio Lower Upper

130 100

95 93.4 0.0 190.2

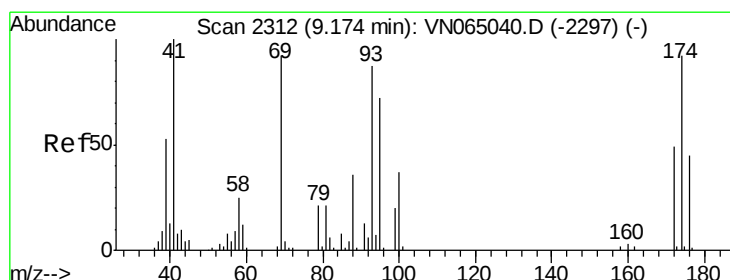
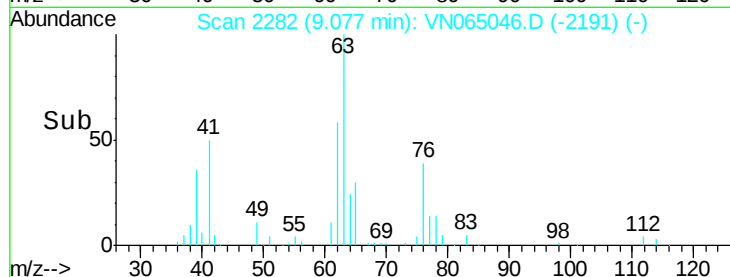
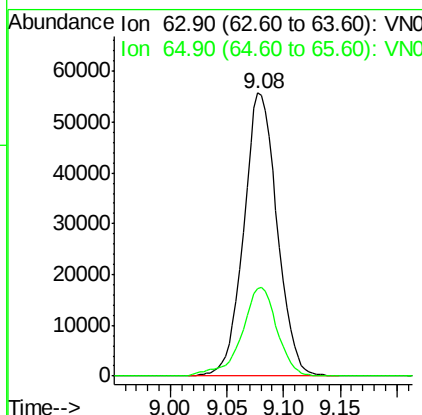
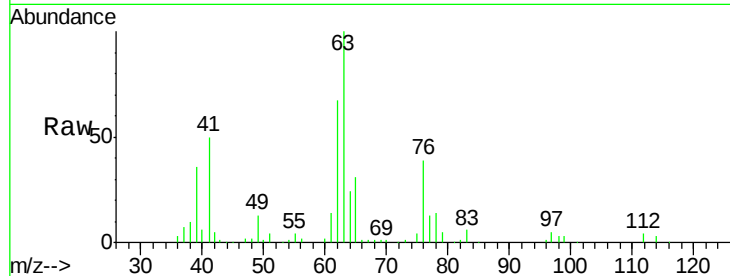




#45
 1,2-Dichloropropane
 Concen: 49.402 ug/l
 RT: 9.08 min Scan# 2282
 Delta R.T. -0.01 min
 Lab File: VN065046.D
 Acq: 10 Dec 2020 16:14

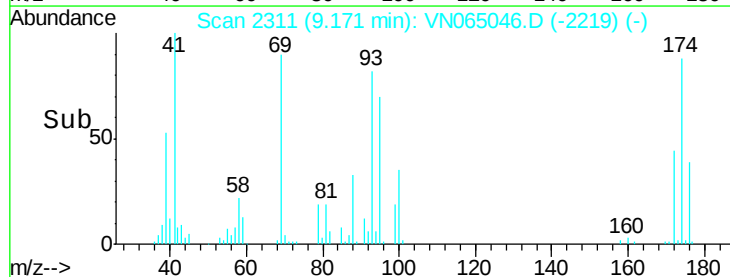
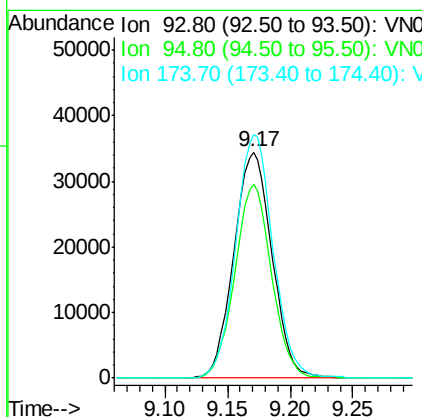
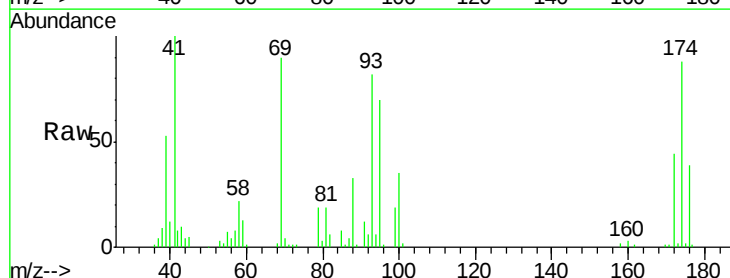
Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN121020

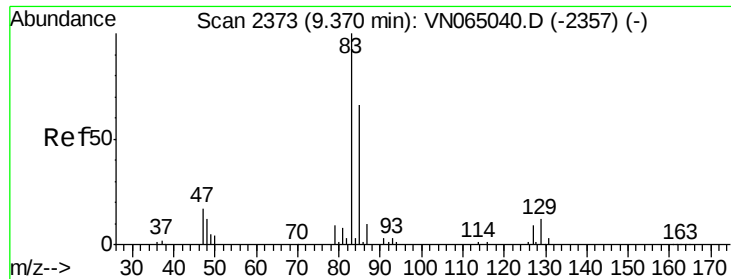
Tgt Ion: 63 Resp: 114551
 Ion Ratio Lower Upper
 63 100
 65 30.8 24.0 36.0



#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





#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 :

ICVFN121020

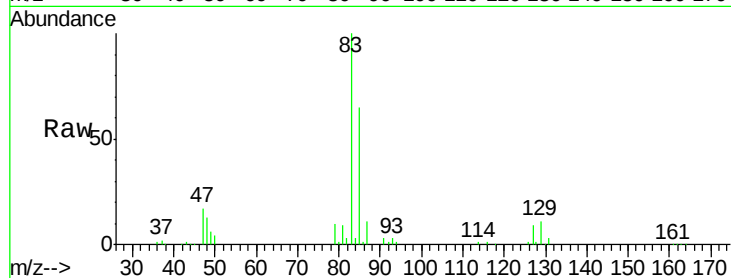
Tgt Ion: 83 Resp: 150789

Ion Ratio Lower Upper

83 100

85 65.5 52.5 78.7

127 9.5 7.1 10.7

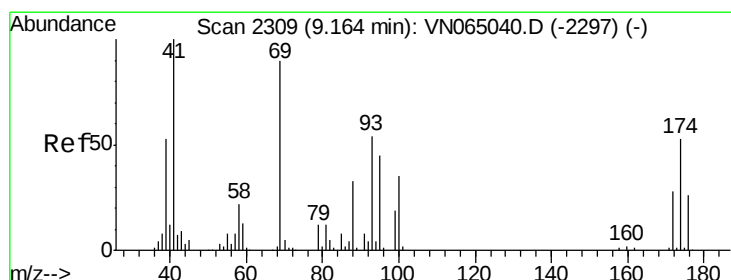
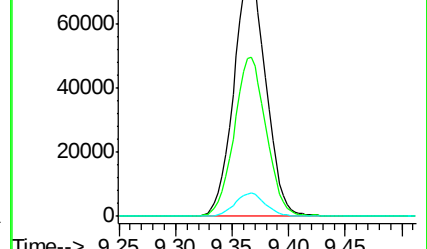
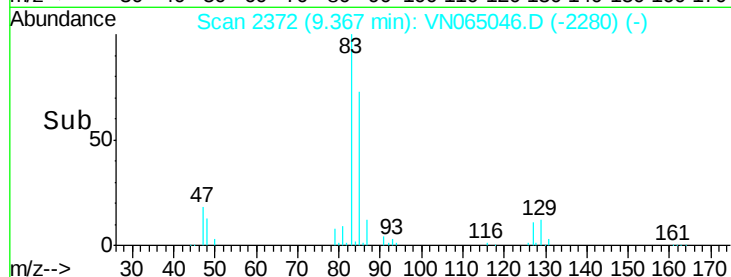


Abundance Ion 82.90 (82.60 to 83.60): VN065040.D (-2357) (-)

Ion 84.90 (84.60 to 85.60): VN065040.D (-2357) (-)

Ion 126.80 (126.50 to 127.50): VN065040.D (-2357) (-)

Time-->



#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

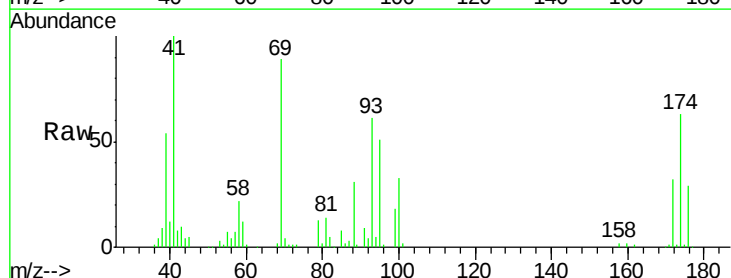
Tgt Ion: 41 Resp: 97613

Ion Ratio Lower Upper

41 100

69 89.5 72.1 108.1

39 53.7 43.8 65.6

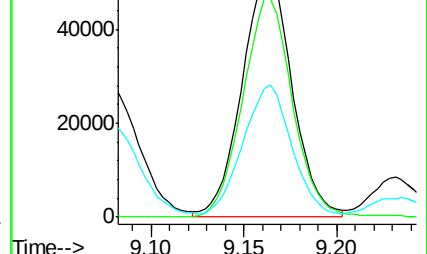
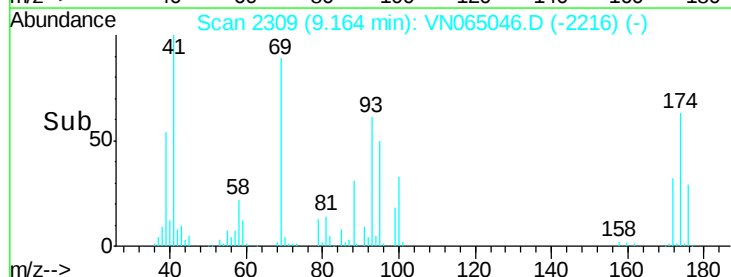


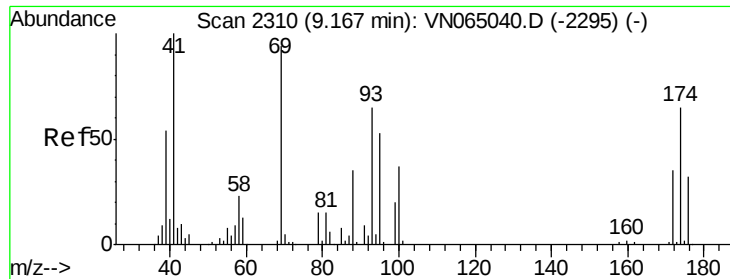
Abundance Ion 41.00 (40.70 to 41.70): VN065040.D (-2297) (-)

Ion 69.00 (68.70 to 69.70): VN065040.D (-2297) (-)

Ion 39.00 (38.70 to 39.70): VN065040.D (-2297) (-)

Time-->





#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

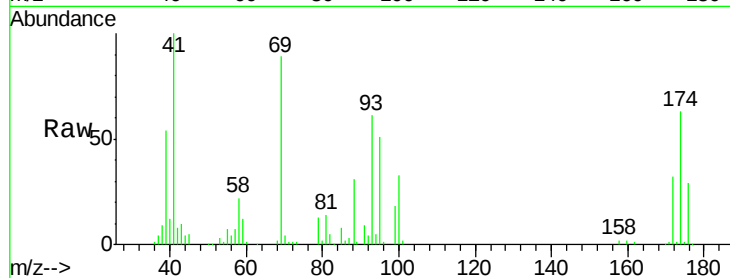
Tgt Ion: 88 Resp: 33047

Ion Ratio Lower Upper

88 100

43 30.8 21.1 31.7

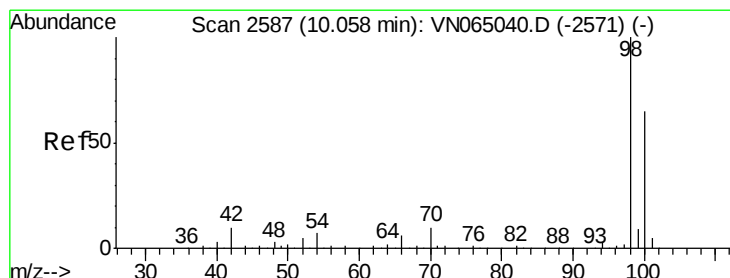
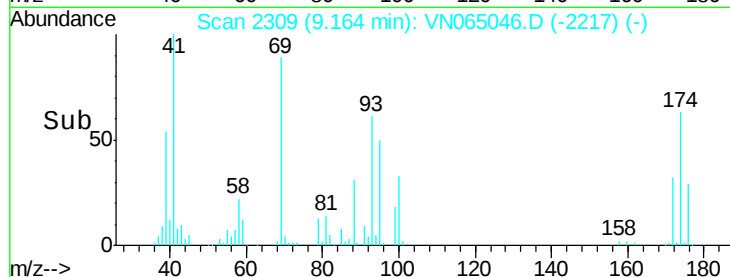
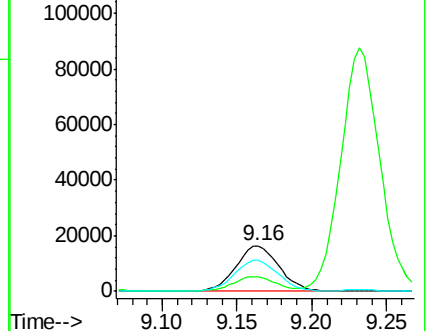
58 69.9 53.8 80.8



Abundance Ion 88.00 (87.70 to 88.70): VN065046.D (-2217) (-)

Ion 43.00 (42.70 to 43.70): VN065046.D (-2217) (-)

Ion 58.00 (57.70 to 58.70): VN065046.D (-2217) (-)



#50

Toluene-d8

Concen: 48.452 ug/l

RT: 10.05 min Scan# 2586

Delta R.T. -0.00 min

Lab File: VN065046.D

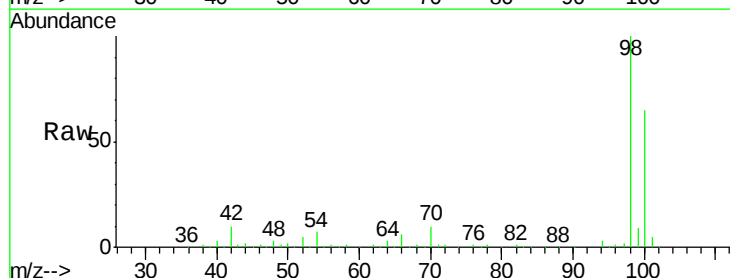
Acq: 10 Dec 2020 16:14

Tgt Ion: 98 Resp: 399022

Ion Ratio Lower Upper

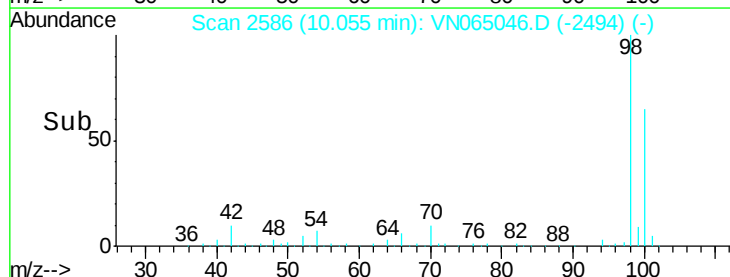
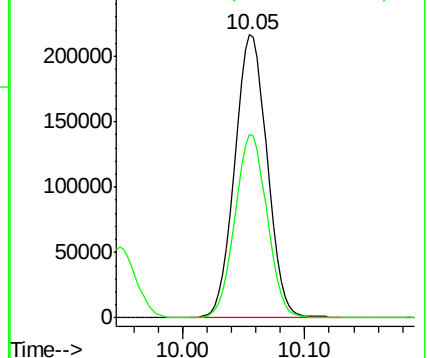
98 100

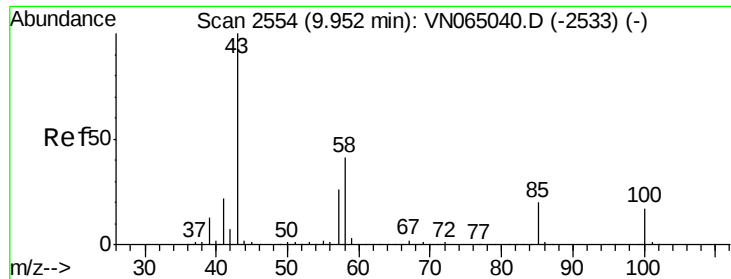
100 64.3 51.6 77.4



Abundance Ion 98.00 (97.70 to 98.70): VN065046.D (-2494) (-)

Ion 100.00 (99.70 to 100.70): VN065046.D (-2494) (-)





#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 :

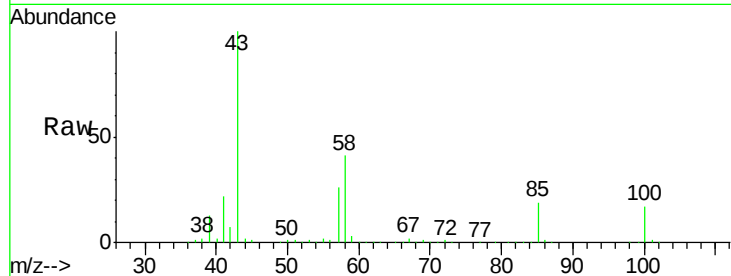
ICVVN121020

Tgt Ion: 43 Resp: 591024

Ion Ratio Lower Upper

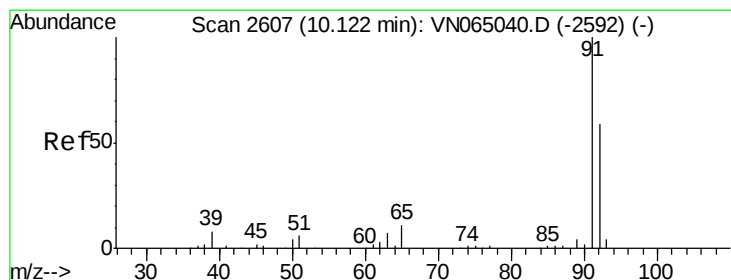
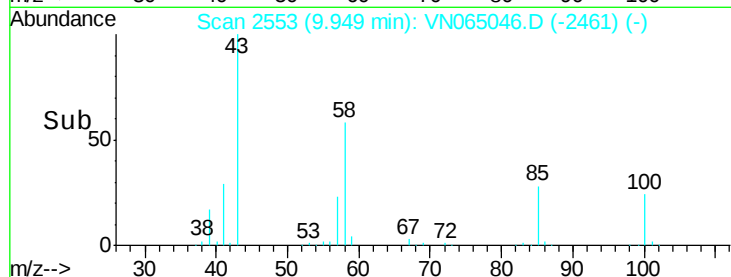
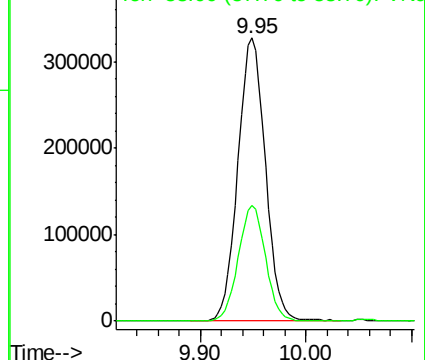
43 100

58 40.5 32.4 48.6



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#52

Toluene

Concen: 49.340 ug/l

RT: 10.12 min Scan# 2606

Delta R.T. -0.00 min

Lab File: VN065046.D

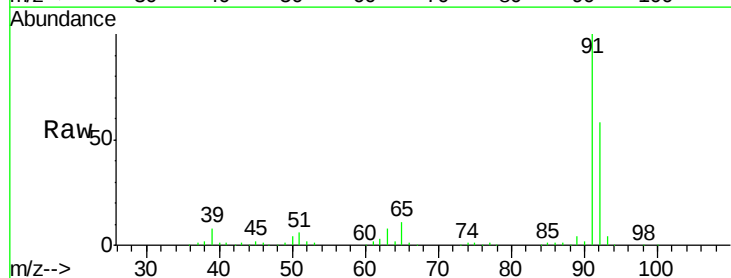
Acq: 10 Dec 2020 16:14

Tgt Ion: 92 Resp: 265027

Ion Ratio Lower Upper

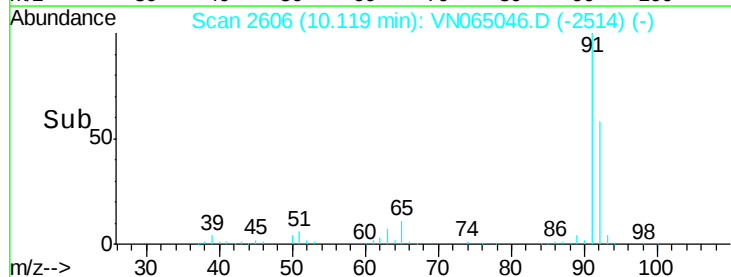
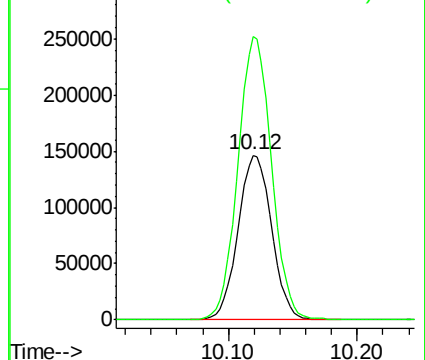
92 100

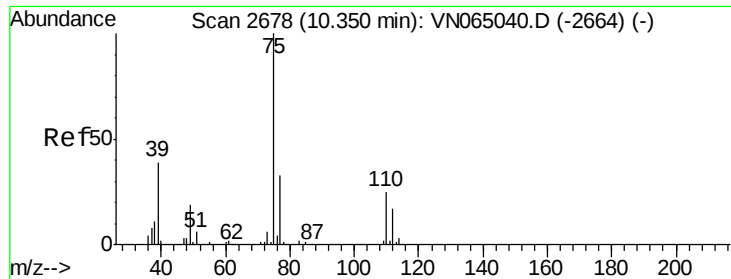
91 172.7 137.9 206.9



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0





#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 :

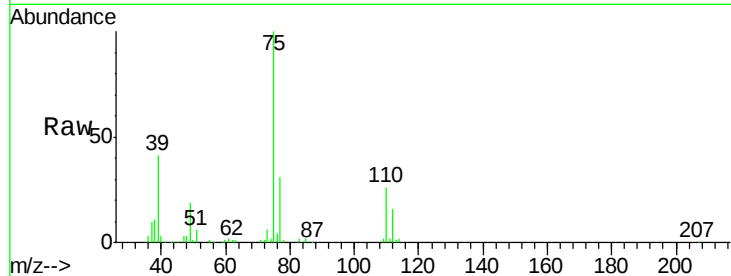
ICVVN121020

Tgt Ion: 75 Resp: 164257

Ion Ratio Lower Upper

75 100

77 30.8 26.0 39.0



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

10.35

80000

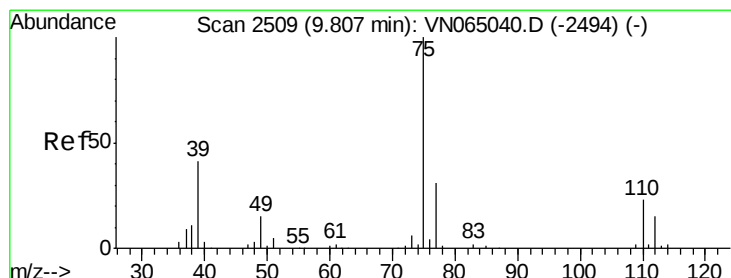
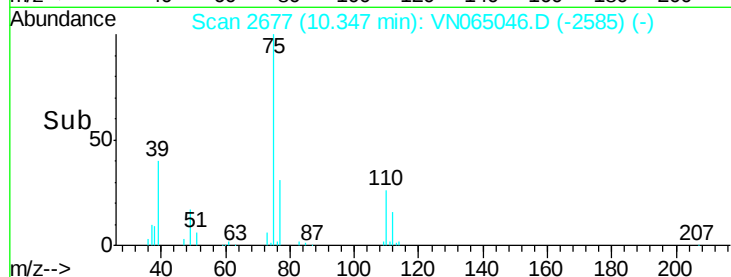
60000

40000

20000

0

Time-->



#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

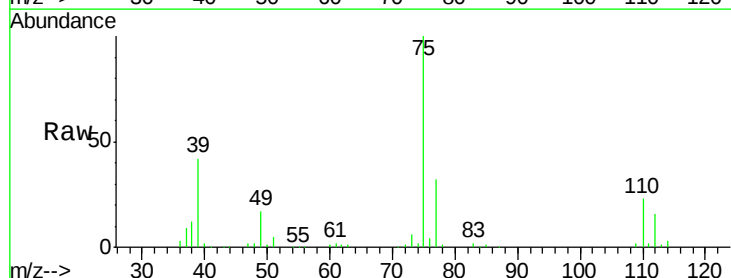
Tgt Ion: 75 Resp: 179163

Ion Ratio Lower Upper

75 100

77 31.8 24.8 37.2

39 41.5 33.0 49.4



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0

9.80

120000

100000

80000

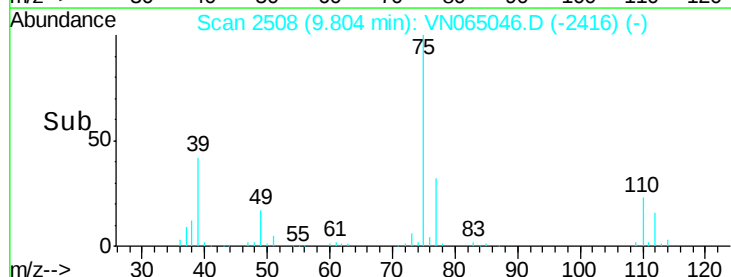
60000

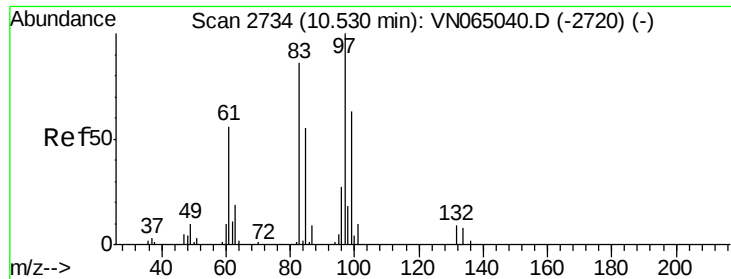
40000

20000

0

Time-->





#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

Tgt Ion: 97 Resp: 107954

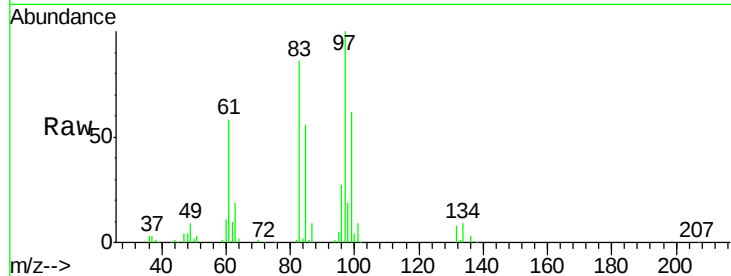
Ion Ratio Lower Upper

97 100

83 85.6 69.0 103.6

85 56.0 43.6 65.4

99 62.2 50.1 75.1

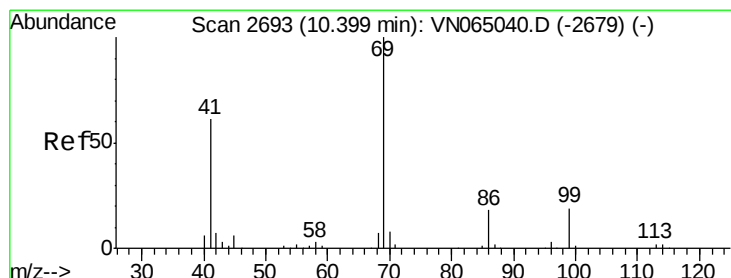
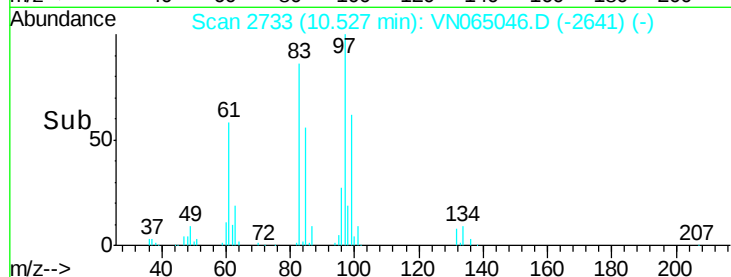
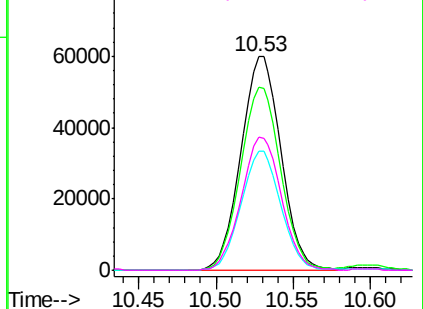


Abundance Ion 96.90 (96.60 to 97.60): VN0

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

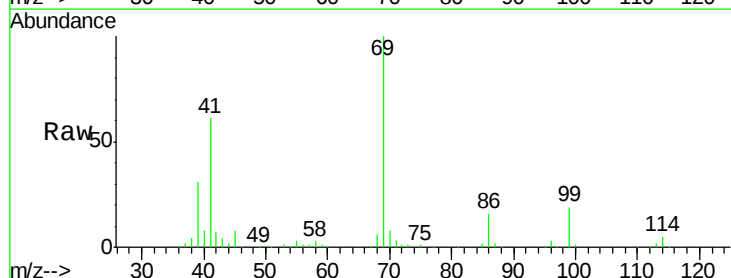
Tgt Ion: 69 Resp: 146130

Ion Ratio Lower Upper

69 100

41 62.7 48.2 72.2

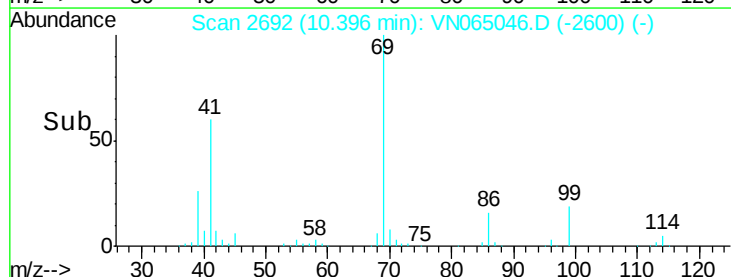
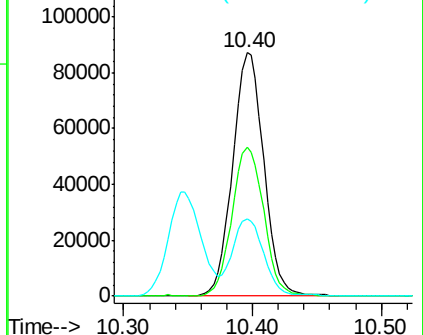
39 32.2 24.7 37.1

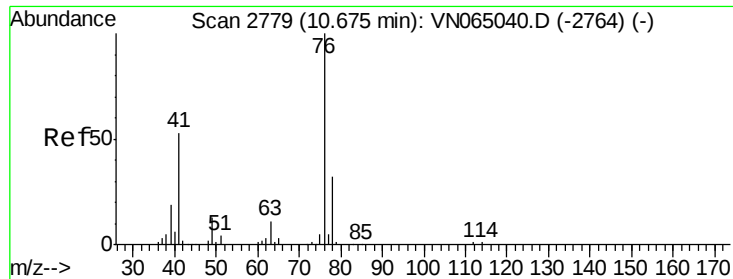


Abundance Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

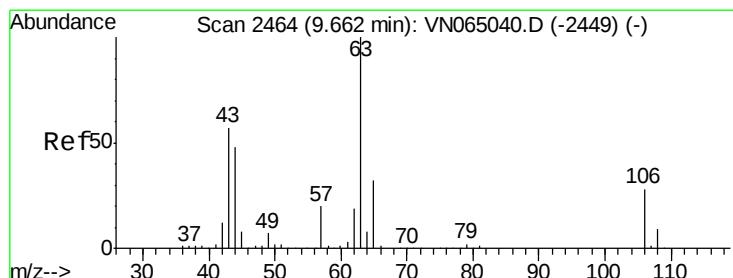
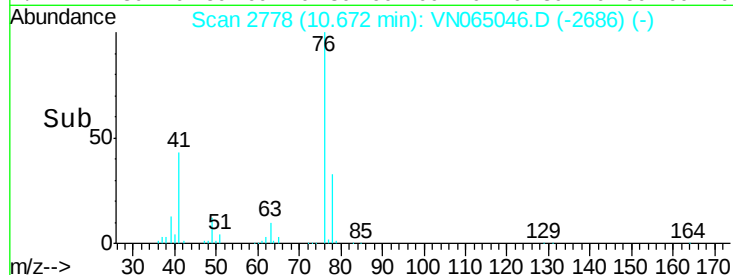
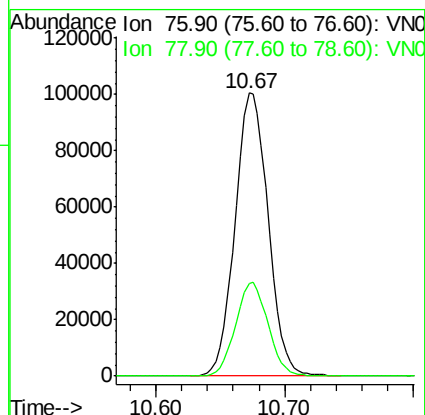
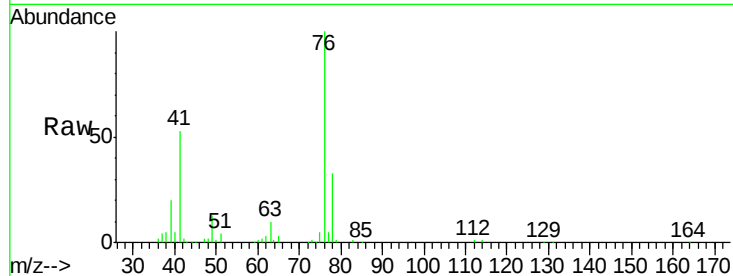




#57
 1,3-Dichloropropane
 Concen: 49.053 ug/l
 RT: 10.67 min Scan# 2778
 Delta R.T. -0.00 min
 Lab File: VN065046.D
 Acq: 10 Dec 2020 16:14

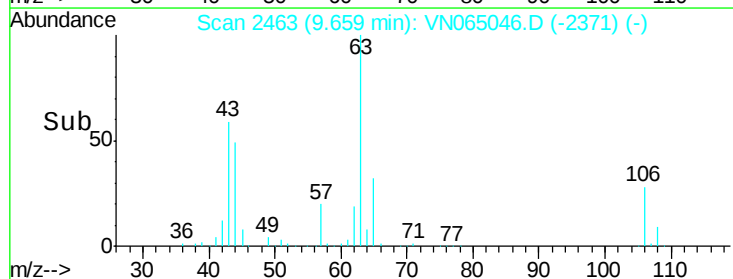
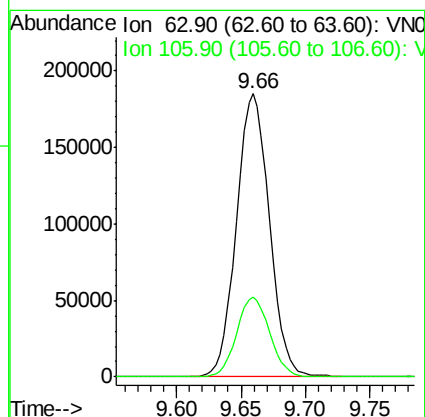
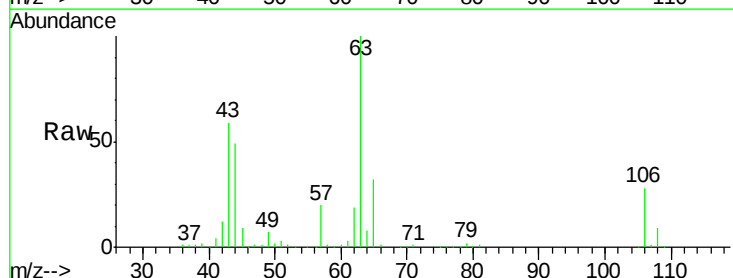
Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN121020

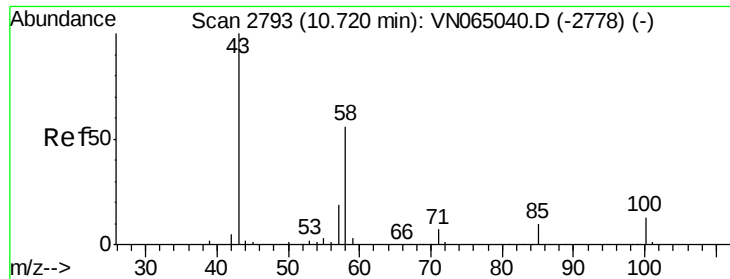
Tgt Ion: 76 Resp: 179486
 Ion Ratio Lower Upper
 76 100
 78 32.5 26.5 39.7



#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

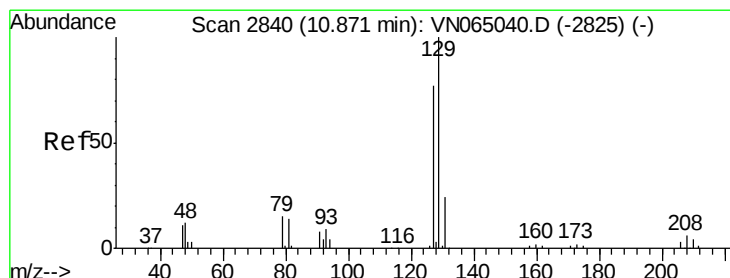
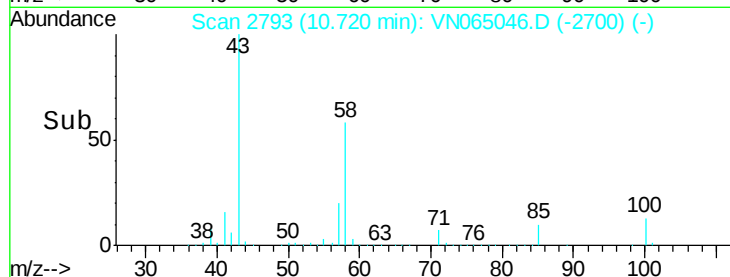
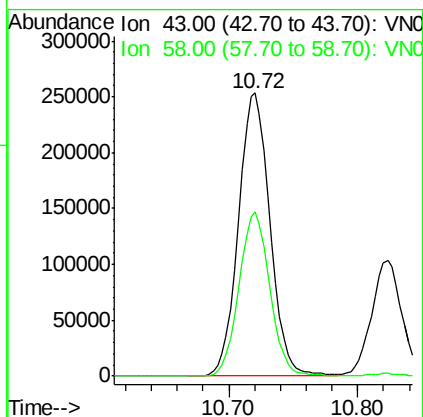
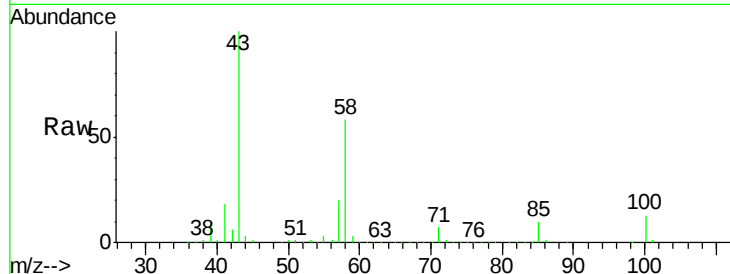




#59
2-Hexanone
Concen: 238.320 ug/l
RT: 10.72 min Scan# 2793
Delta R.T. 0.00 min
Lab File: VN065046.D
Acq: 10 Dec 2020 16:14

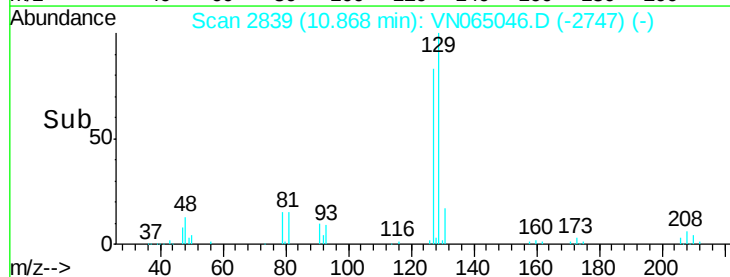
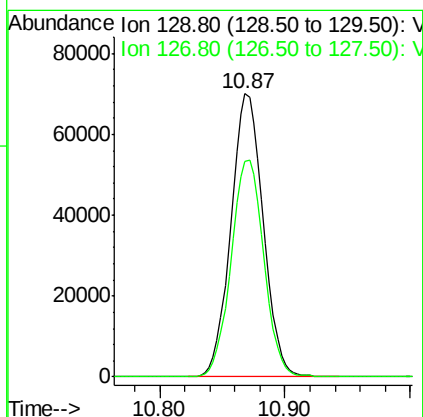
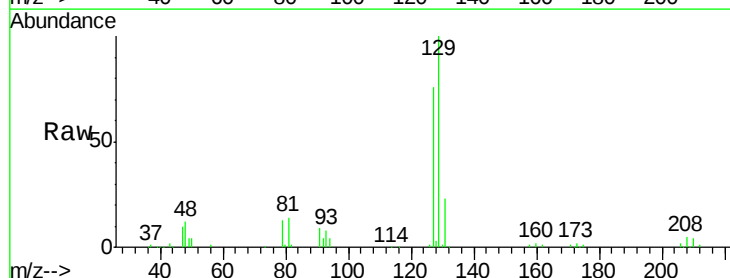
Instrument :
MSVOA_N
ClientSampleId :
ICVVN121020

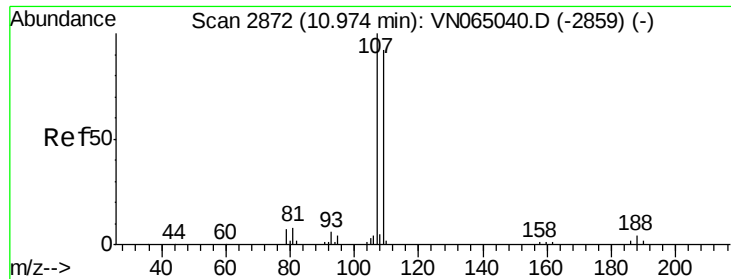
Tgt Ion: 43 Resp: 429352
Ion Ratio Lower Upper
43 100
58 56.8 28.3 84.9



#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: 129 Resp: 125292
Ion Ratio Lower Upper
129 100
127 77.5 38.4 115.1

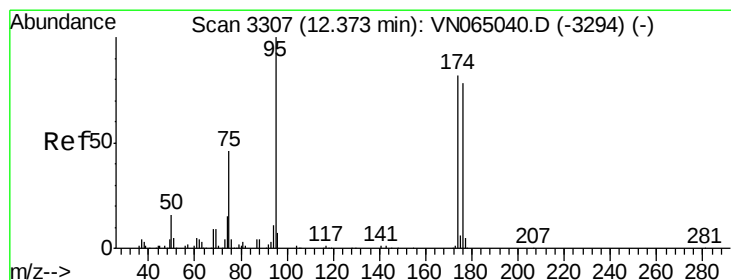
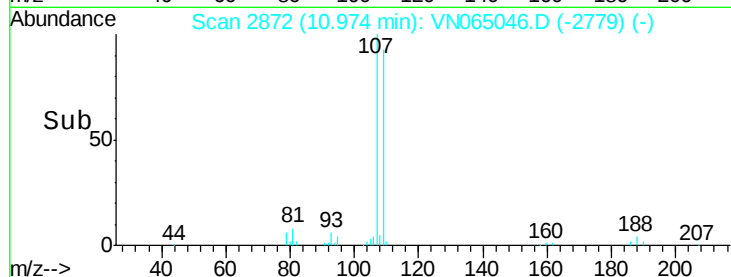
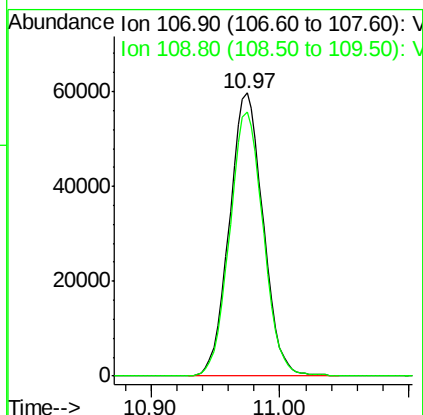
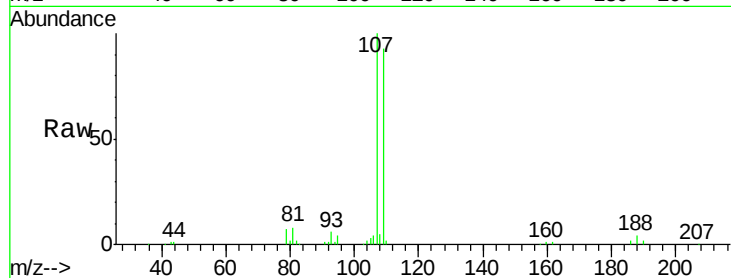




#61
 1,2-Dibromoethane
 Concen: 48.688 ug/l
 RT: 10.97 min Scan# 2872
 Delta R.T. 0.00 min
 Lab File: VN065046.D
 Acq: 10 Dec 2020 16:14

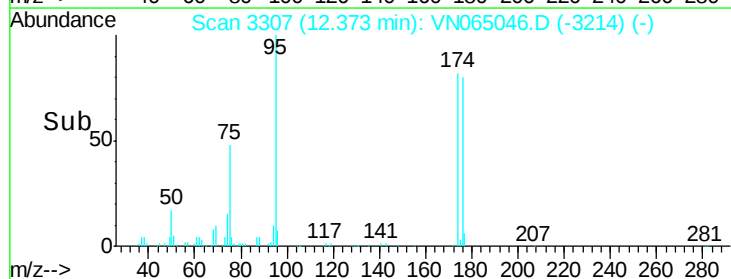
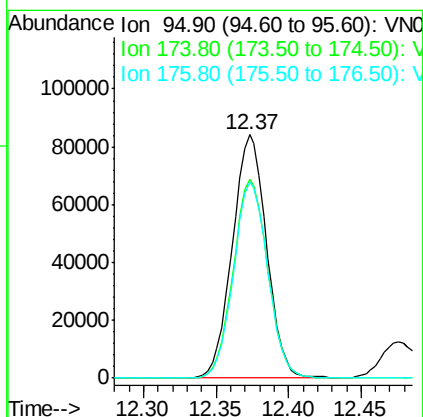
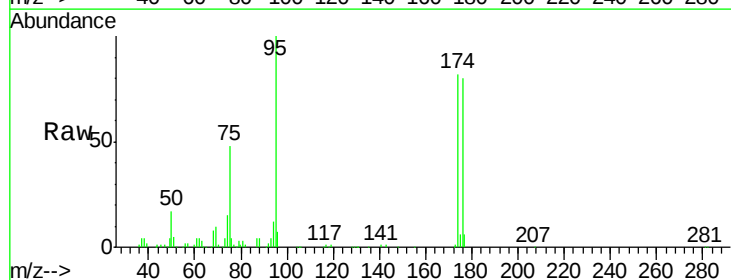
Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN121020

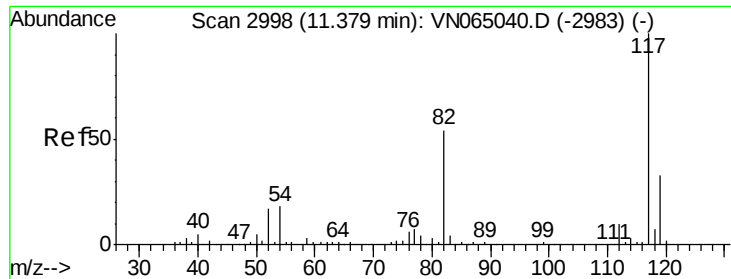
Tgt Ion: 107 Resp: 108389
 Ion Ratio Lower Upper
 107 100
 109 93.2 74.1 111.1



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

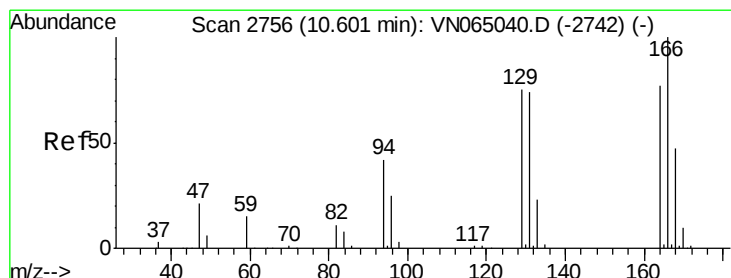
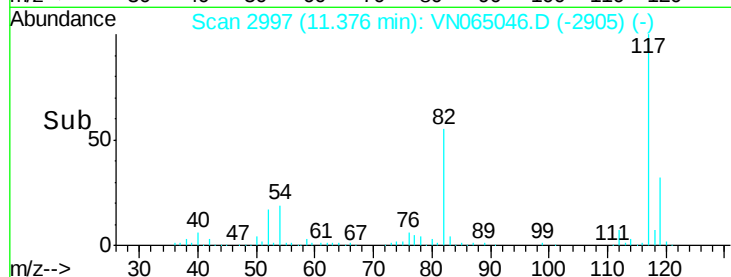
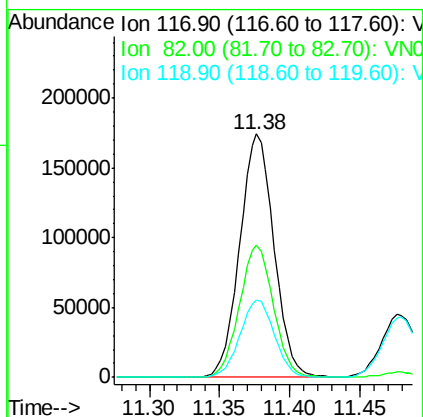
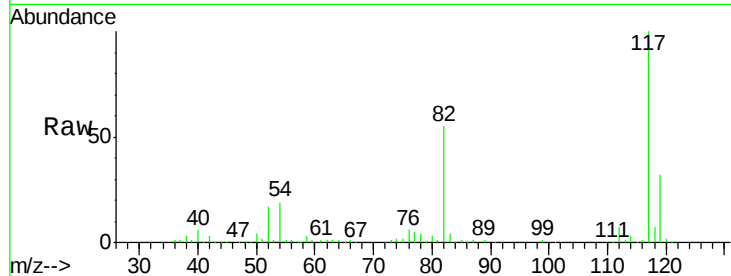




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2997
Delta R.T. -0.00 min
Lab File: VN065046.D
Acq: 10 Dec 2020 16:14

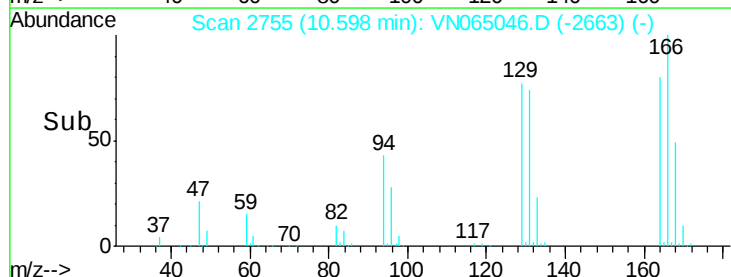
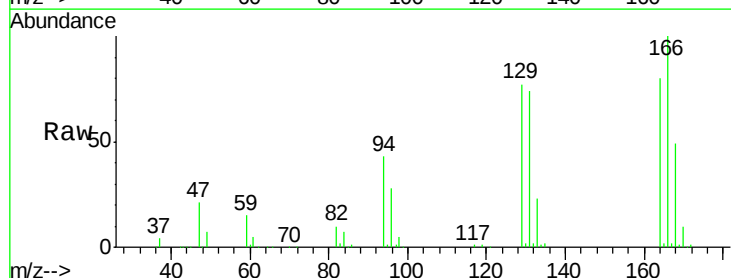
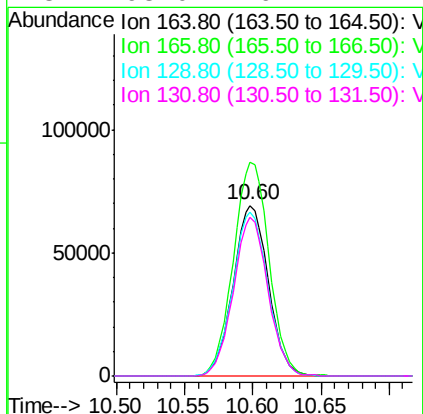
Instrument :
MSVOA_N
ClientSampleId :
ICVVN121020

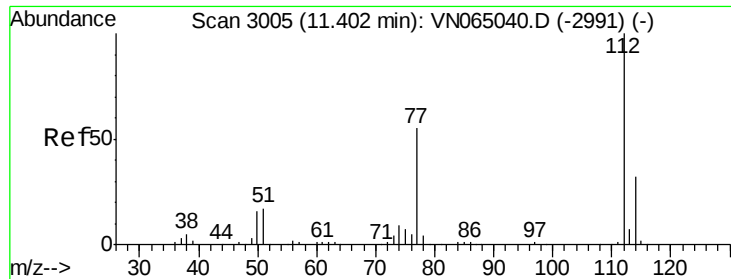
Tgt Ion:117 Resp: 296229
Ion Ratio Lower Upper
117 100
82 54.6 43.5 65.3
119 31.8 26.4 39.6



#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

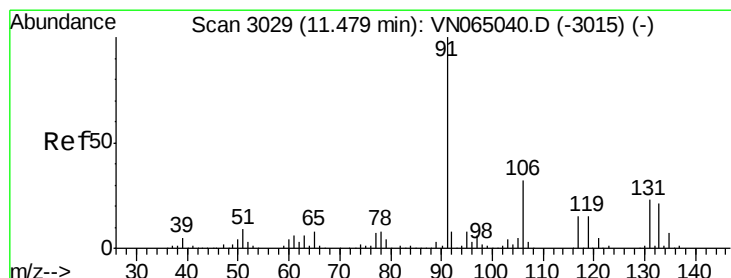
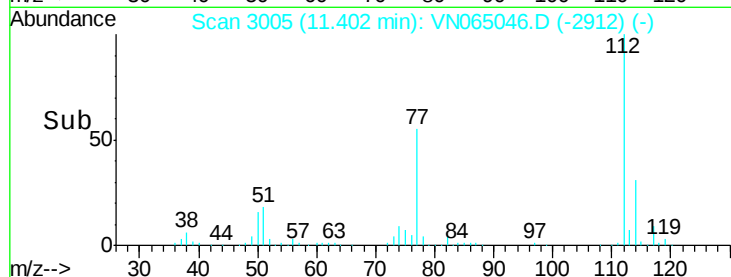
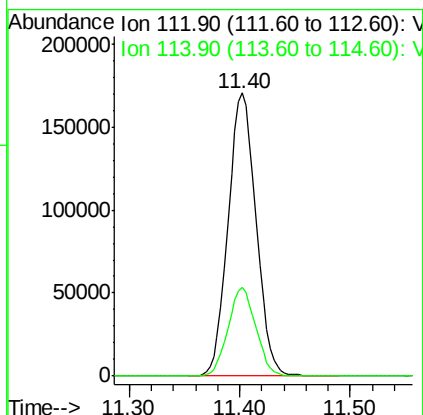
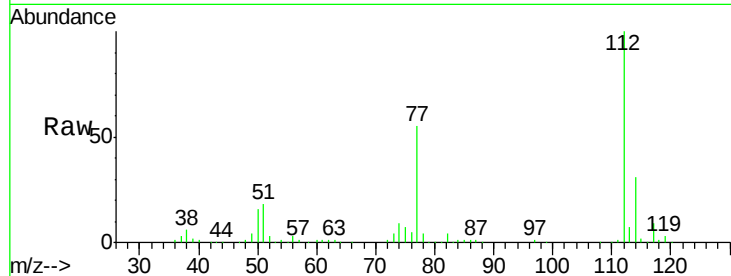




#65
Chlorobenzene
Concen: 49.397 ug/l
RT: 11.40 min Scan# 3005
Delta R.T. 0.00 min
Lab File: VN065046.D
Acq: 10 Dec 2020 16:14

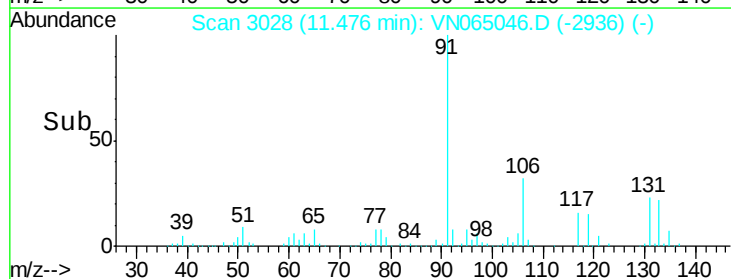
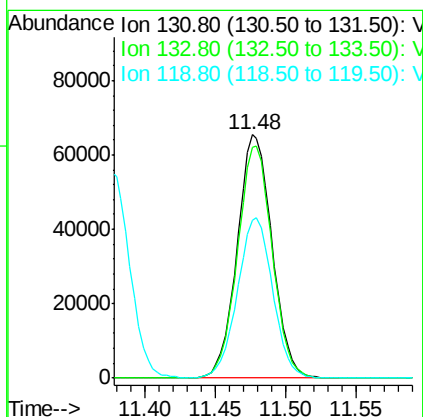
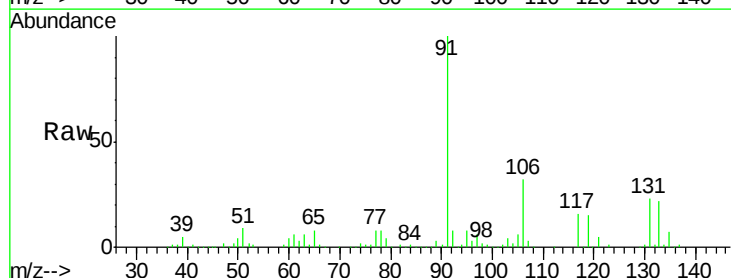
Instrument :
MSVOA_N
ClientSampleId :
ICVFN121020

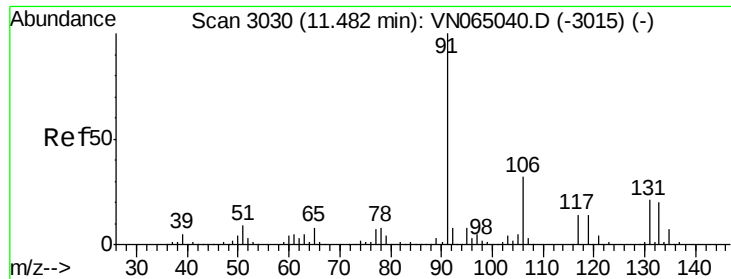
Tgt Ion:112 Resp: 299708
Ion Ratio Lower Upper
112 100
114 31.2 25.9 38.9



#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

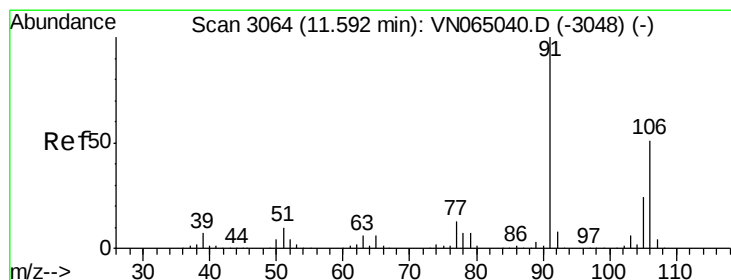
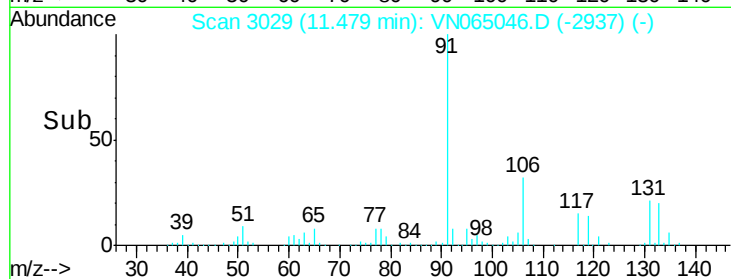
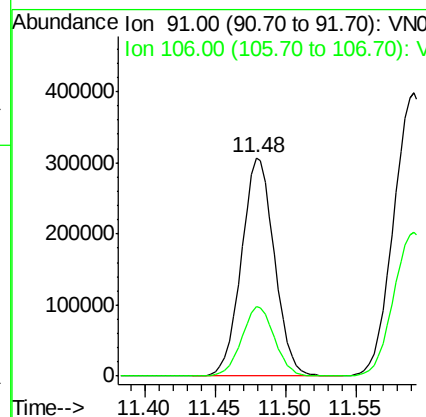
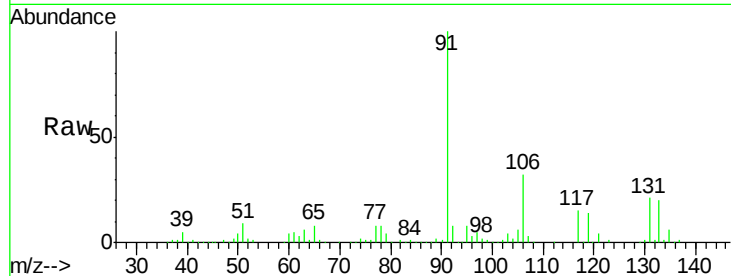




#67
Ethyl Benzene
Concen: 49.658 ug/l
RT: 11.48 min Scan# 3029
Delta R.T. -0.00 min
Lab File: VN065046.D
Acq: 10 Dec 2020 16:14

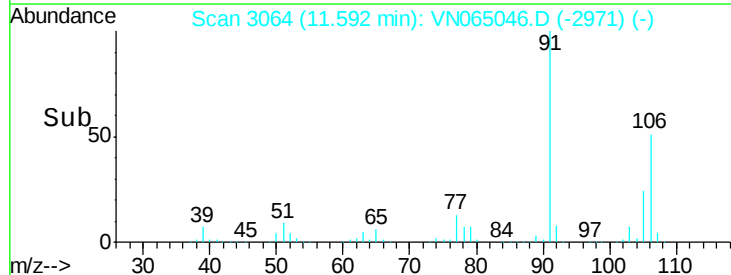
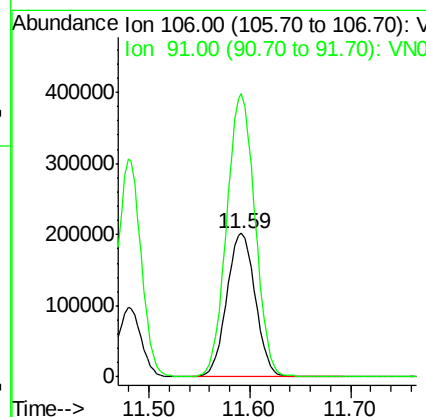
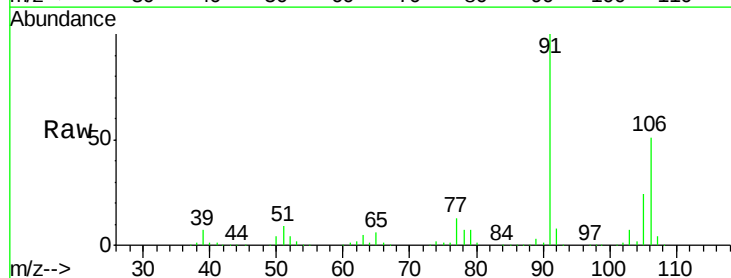
Instrument :
MSVOA_N
ClientSampled :
ICVVN121020

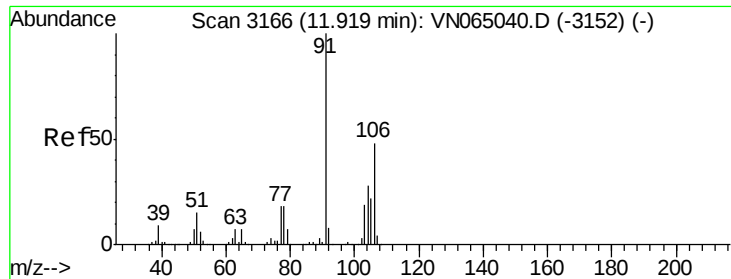
Tgt Ion: 91 Resp: 502698
Ion Ratio Lower Upper
91 100
106 31.7 25.7 38.5



#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

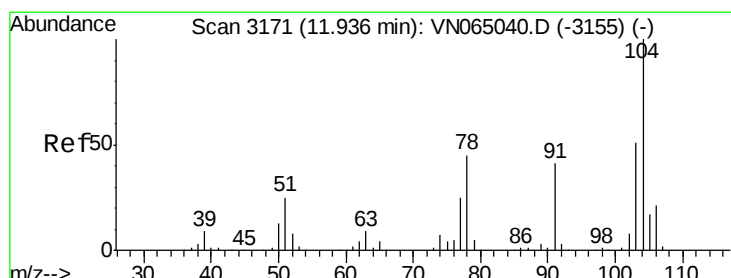
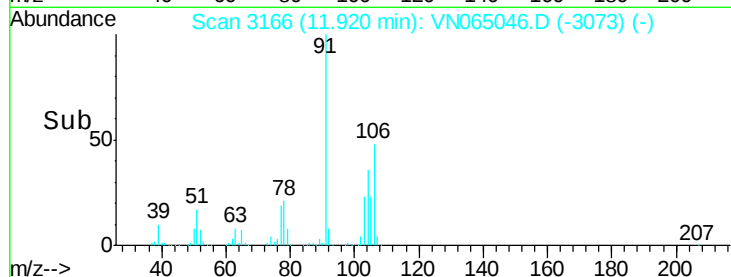
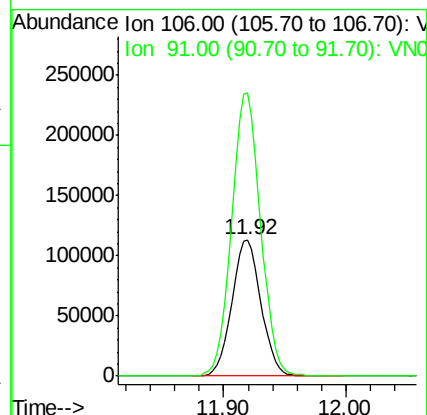
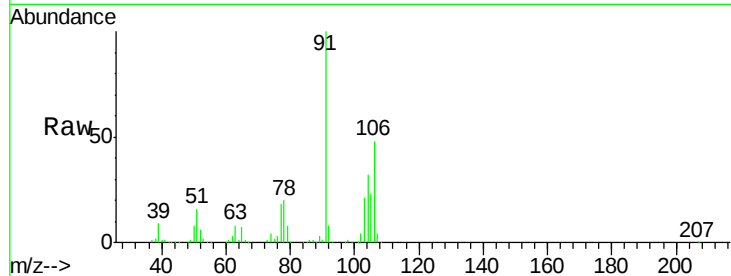




#69
o-Xylene
Concen: 50.370 ug/l
RT: 11.92 min Scan# 3166
Delta R.T. 0.00 min
Lab File: VN065046.D
Acq: 10 Dec 2020 16:14

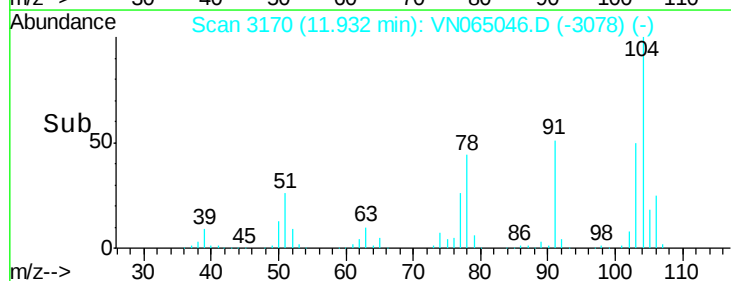
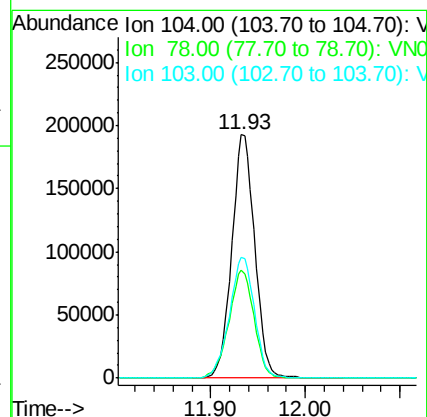
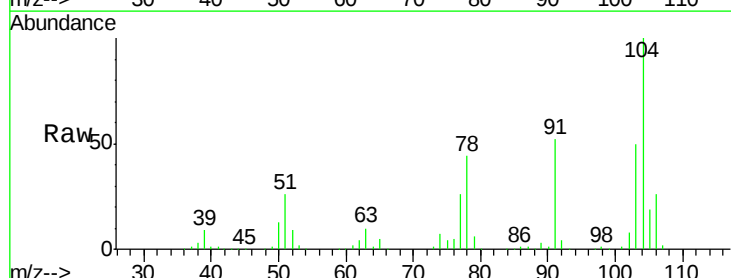
Instrument :
MSVOA_N
ClientSampleId :
ICVVN121020

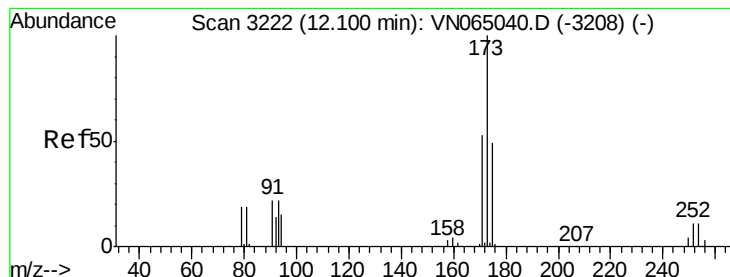
Tgt Ion:106 Resp: 188597
Ion Ratio Lower Upper
106 100
91 207.2 104.1 312.3



#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:104 Resp: 326499
Ion Ratio Lower Upper
104 100
78 48.6 38.7 58.1
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

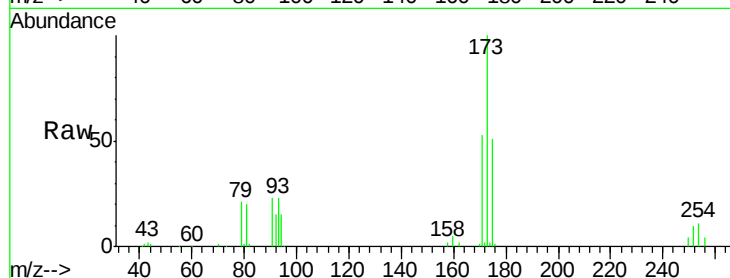
Tgt Ion:173 Resp: 82308

Ion Ratio Lower Upper

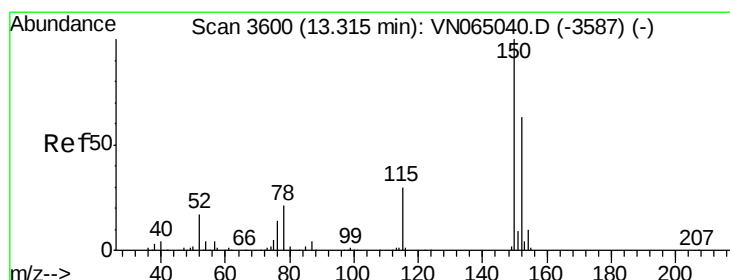
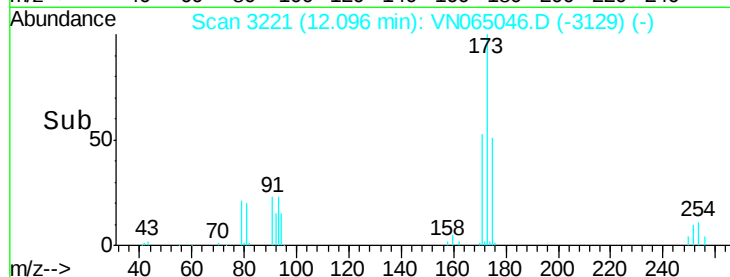
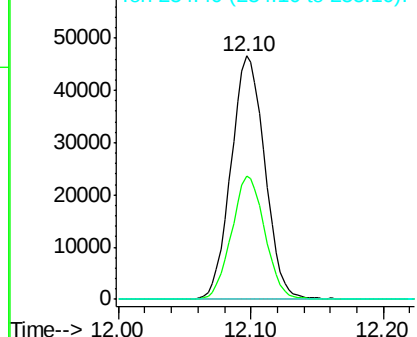
173 100

175 49.8 24.5 73.5

254 0.0 0.0 0.0#



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

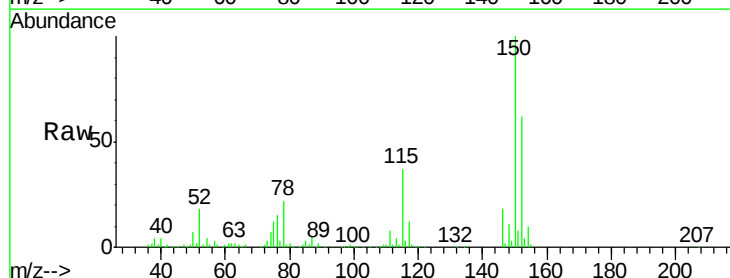
Tgt Ion:152 Resp: 150683

Ion Ratio Lower Upper

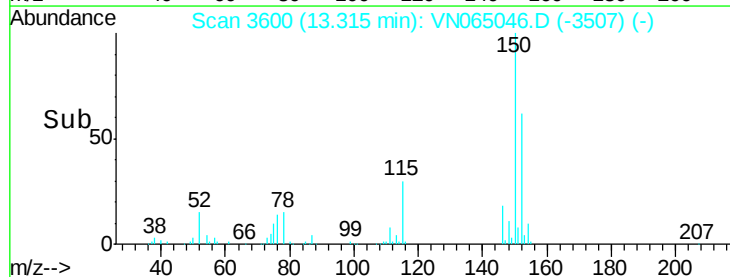
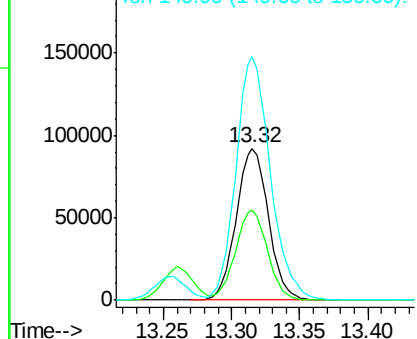
152 100

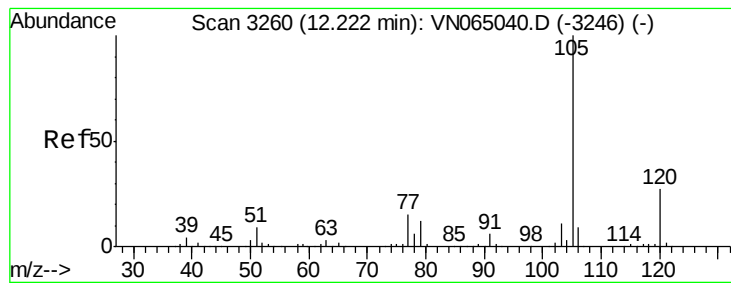
115 59.2 29.3 88.0

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 :

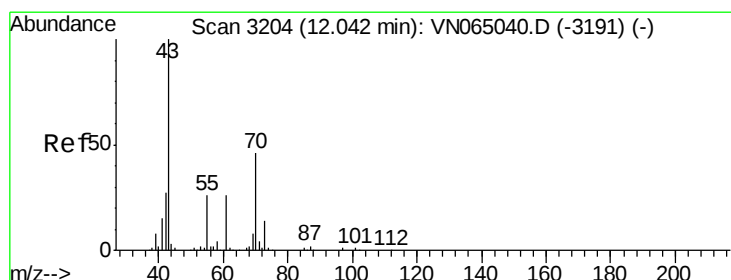
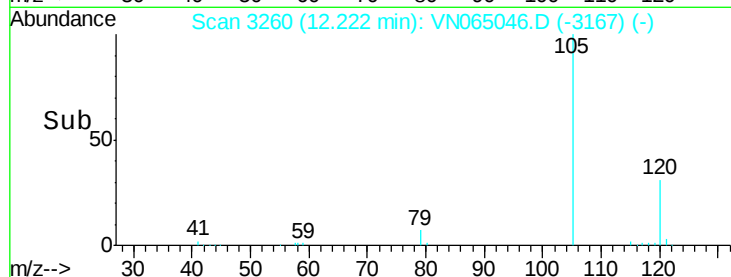
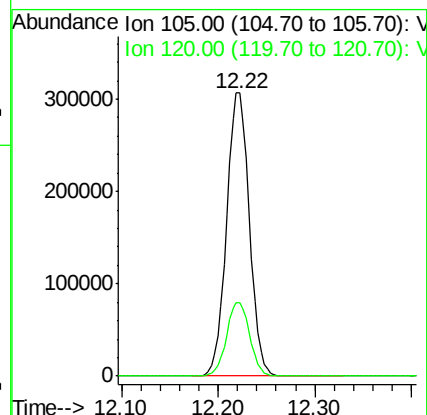
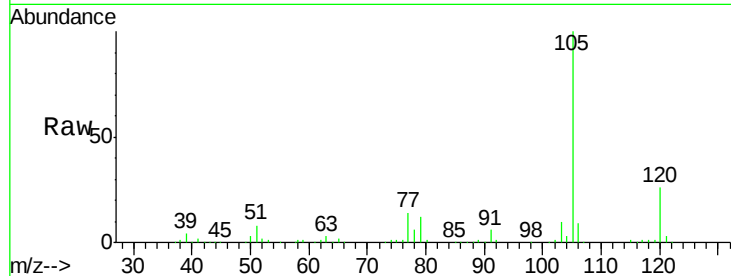
ICVFN121020

Tgt Ion: 105 Resp: 500797

Ion Ratio Lower Upper

105 100

120 26.5 13.4 40.2



#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

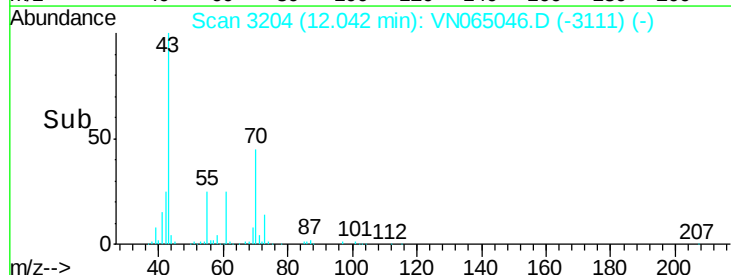
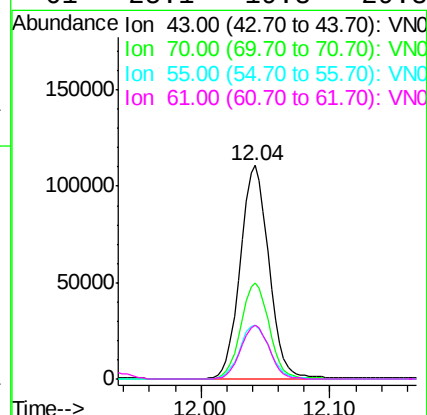
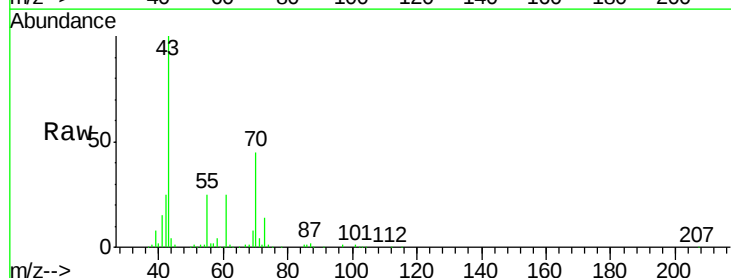
Ion Ratio Lower Upper

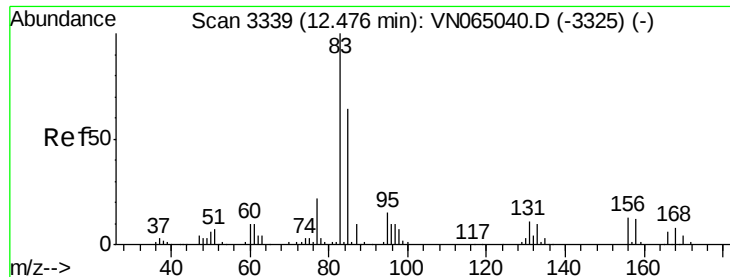
43 100

70 44.6 36.2 54.2

55 26.5 21.4 32.0

61 25.1 19.8 29.8





#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

ClientSampled :

ICVVN121020

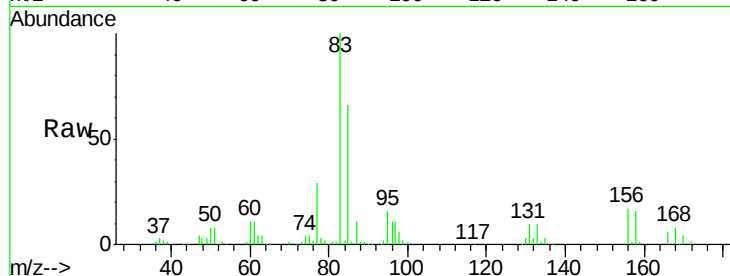
Tgt Ion: 83 Resp: 134942

Ion Ratio Lower Upper

83 100

131 10.4 5.5 16.4

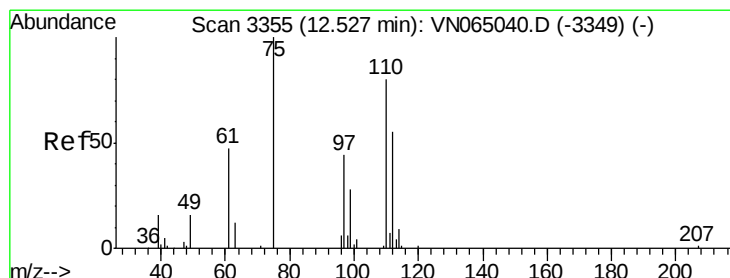
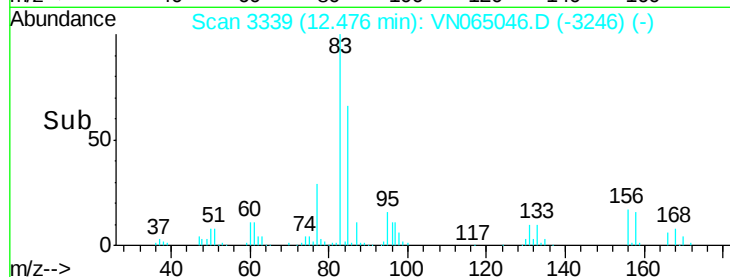
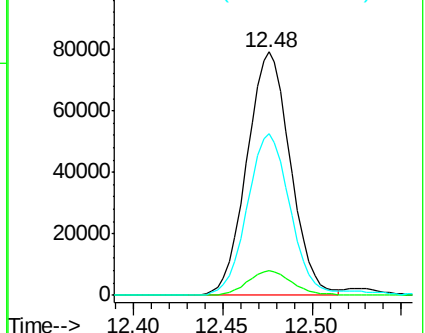
85 65.3 32.3 96.9



Abundance Ion 82.90 (82.60 to 83.60): VN065046.D (-3325) (-)

Ion 130.80 (130.50 to 131.50): VN065046.D (-3325) (-)

Ion 84.90 (84.60 to 85.60): VN065046.D (-3325) (-)



#76

1,2,3-Trichloropropane

Concen: 65.034 ug/l

RT: 12.52 min Scan# 3354

Delta R.T. -0.00 min

Lab File: VN065046.D

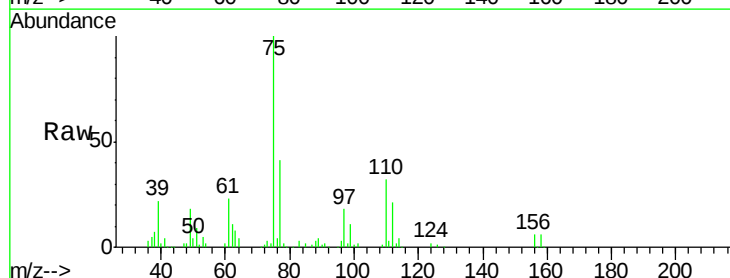
Acq: 10 Dec 2020 16:14

Tgt Ion: 75 Resp: 190886

Ion Ratio Lower Upper

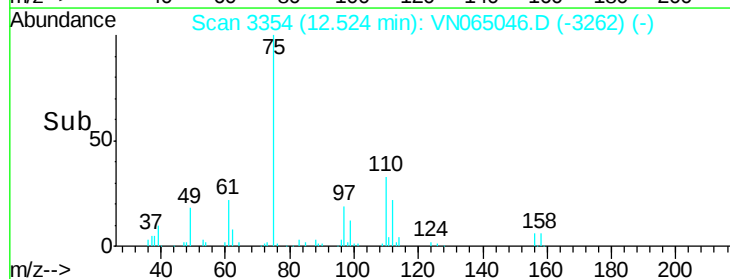
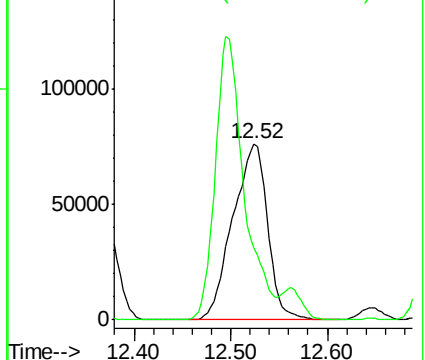
75 100

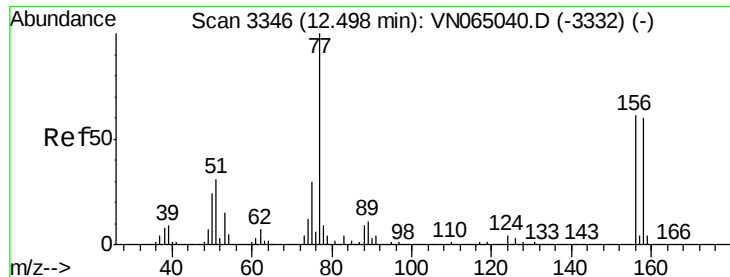
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN065046.D (-3354) (-)

Ion 77.00 (76.70 to 77.70): VN065046.D (-3354) (-)





#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

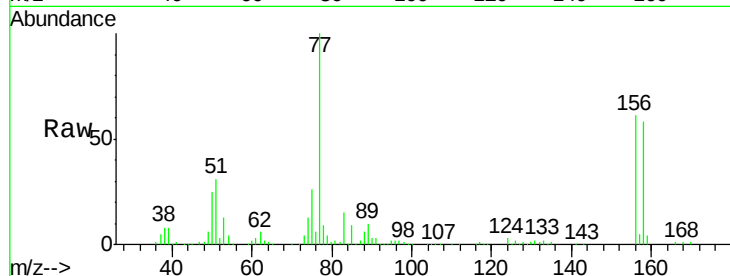
Tgt Ion:156 Resp: 128008

Ion Ratio Lower Upper

156 100

77 198.1 99.3 297.8

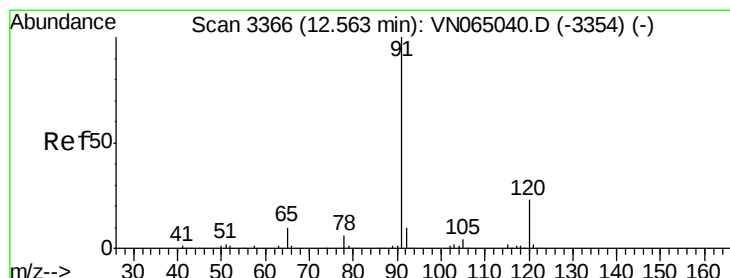
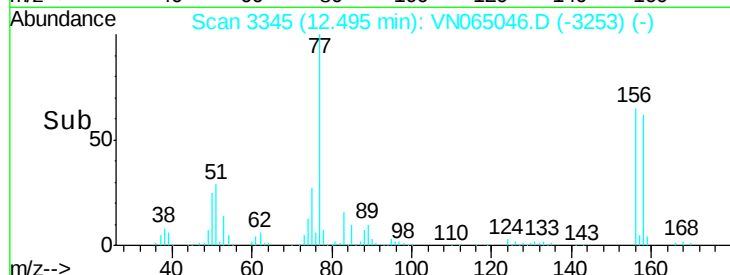
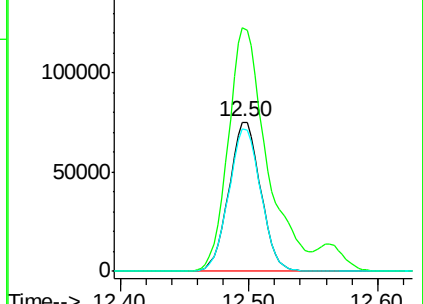
158 97.2 49.0 147.0



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 50.124 ug/l

RT: 12.56 min Scan# 3366

Delta R.T. 0.00 min

Lab File: VN065046.D

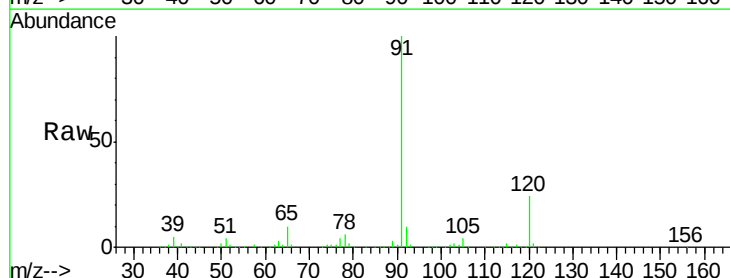
Acq: 10 Dec 2020 16:14

Tgt Ion: 91 Resp: 566521

Ion Ratio Lower Upper

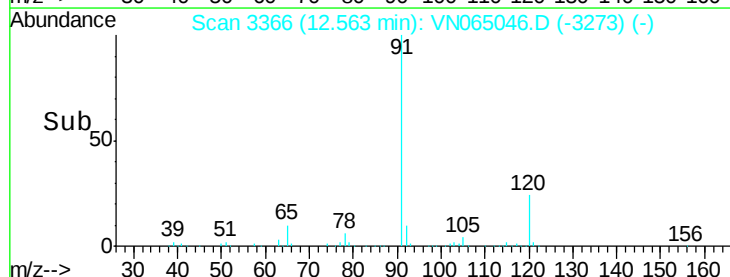
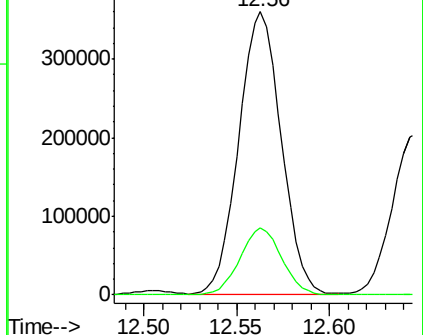
91 100

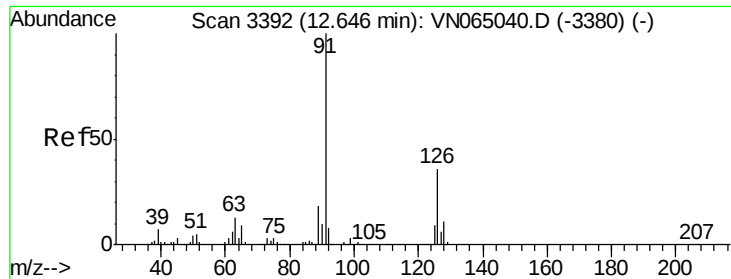
120 23.6 11.9 35.9



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V

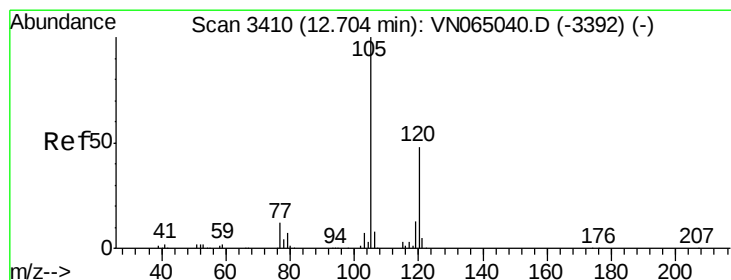
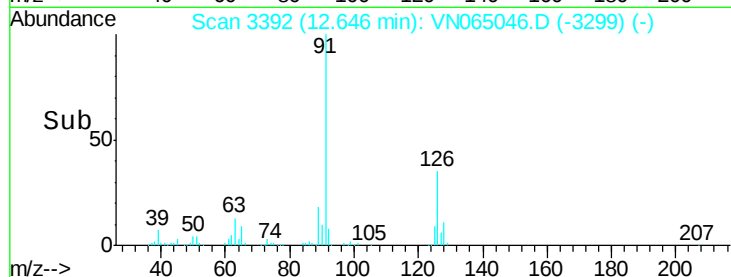
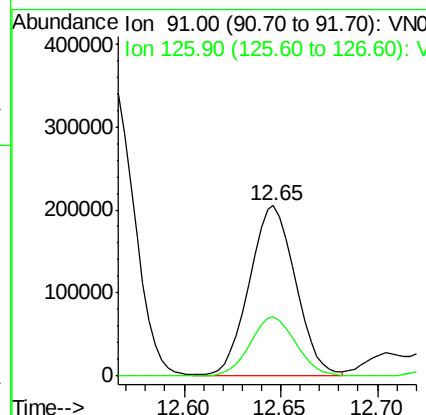
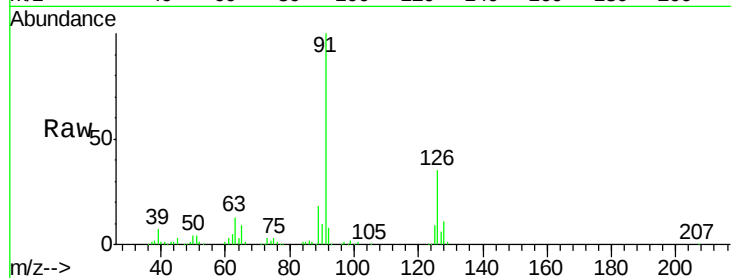




#79
 2-Chlorotoluene
 Concen: 48.826 ug/l
 RT: 12.65 min Scan# 3392
 Delta R.T. 0.00 min
 Lab File: VN065046.D
 Acq: 10 Dec 2020 16:14

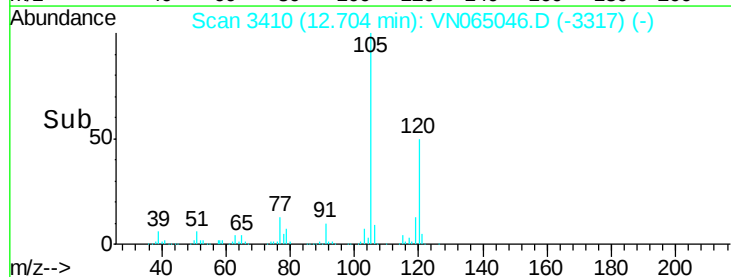
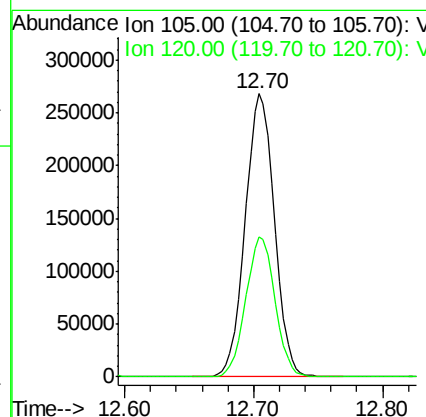
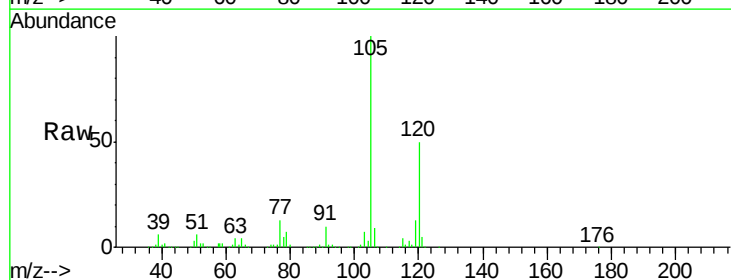
Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN121020

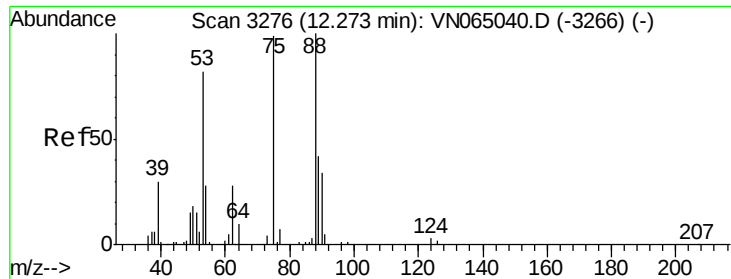
Tgt Ion: 91 Resp: 337528
 Ion Ratio Lower Upper
 91 100
 126 35.0 17.6 52.9



#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





#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

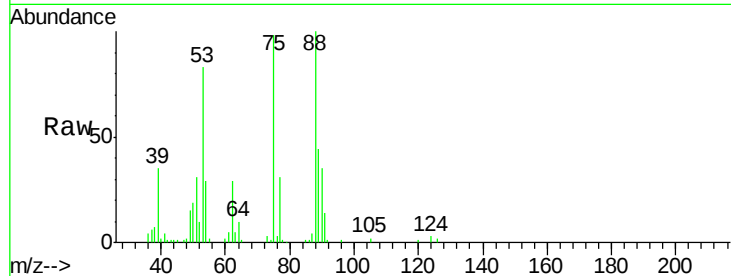
Tgt Ion: 75 Resp: 50063

Ion Ratio Lower Upper

75 100

53 85.2 68.6 103.0

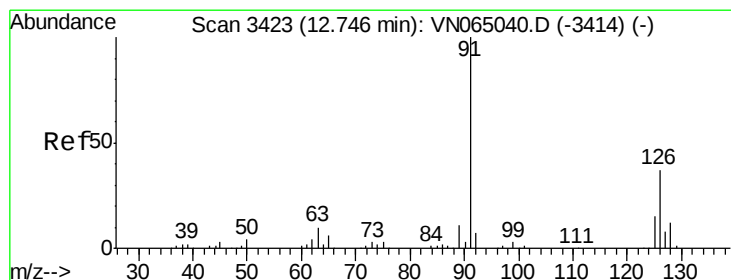
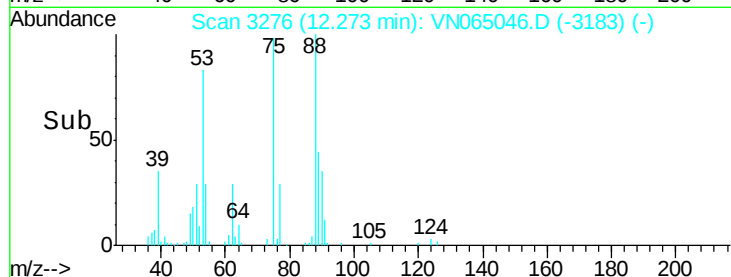
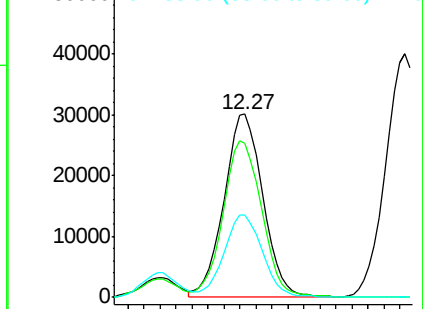
89 44.3 36.2 54.4



Abundance Ion 74.90 (74.60 to 75.60): VN065046.D (-3266) (-)

Ion 53.00 (52.70 to 53.70): VN065046.D (-3266) (-)

Ion 88.90 (88.60 to 89.60): VN065046.D (-3266) (-)



#82

4-Chlorotoluene

Concen: 49.275 ug/l

RT: 12.75 min Scan# 3423

Delta R.T. 0.00 min

Lab File: VN065046.D

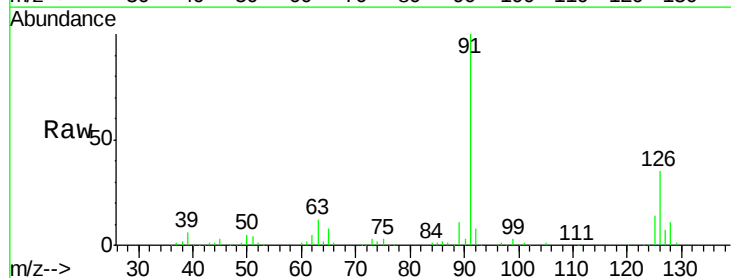
Acq: 10 Dec 2020 16:14

Tgt Ion: 91 Resp: 359016

Ion Ratio Lower Upper

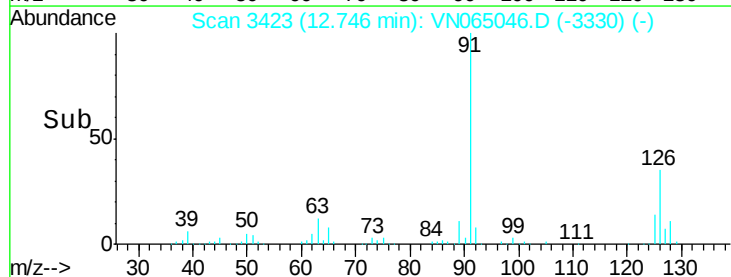
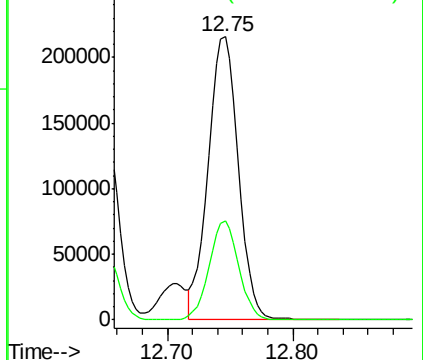
91 100

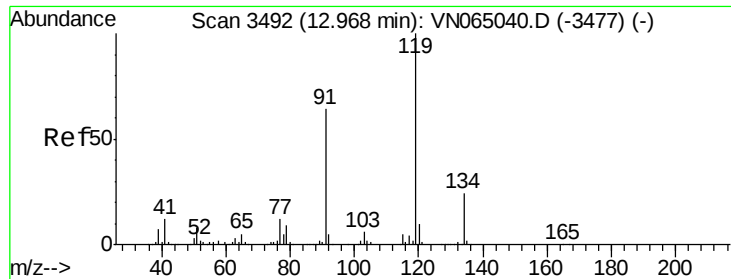
126 34.4 17.3 52.0



Abundance Ion 91.00 (90.70 to 91.70): VN065046.D (-3414) (-)

Ion 125.90 (125.60 to 126.60): VN065046.D (-3414) (-)

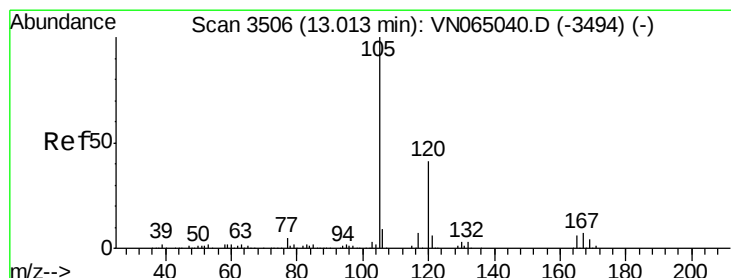
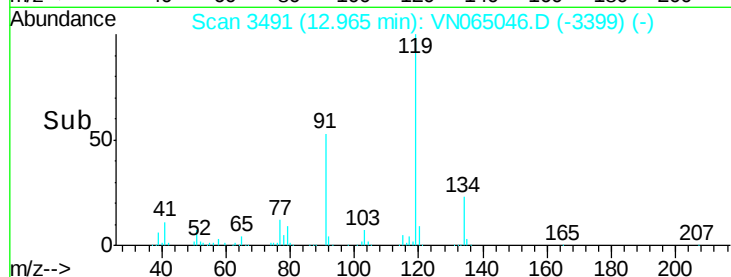
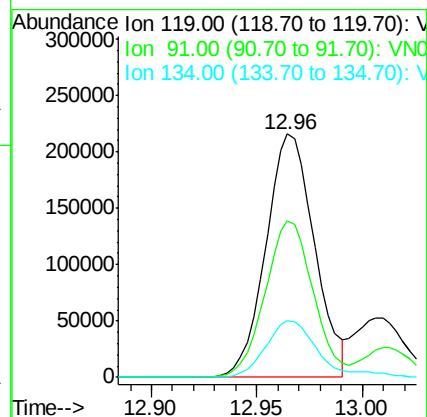
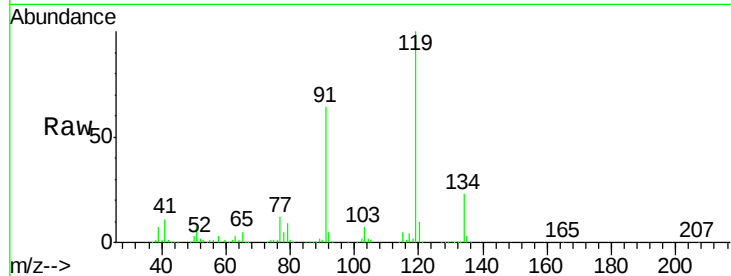




#83
 tert-Butylbenzene
 Concen: 49.758 ug/l
 RT: 12.96 min Scan# 3491
 Delta R.T. -0.00 min
 Lab File: VN065046.D
 Acq: 10 Dec 2020 16:14

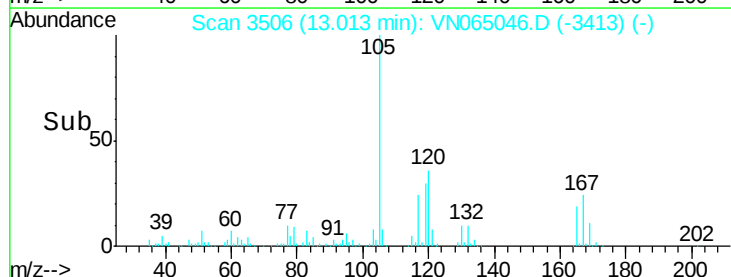
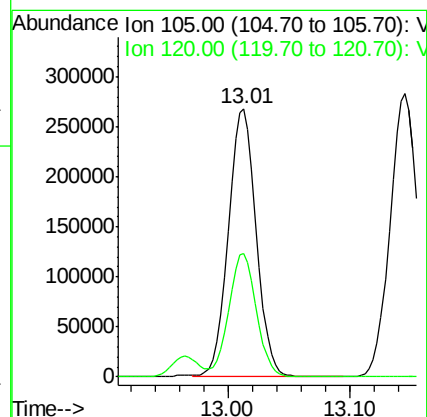
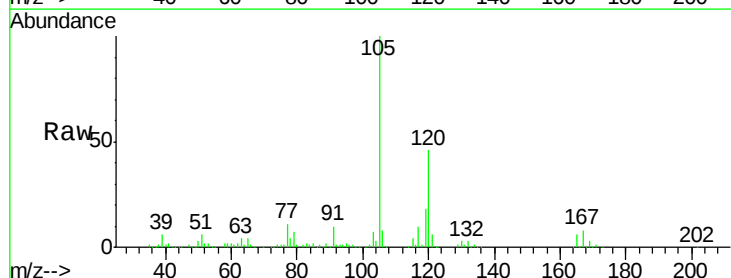
Instrument :
 MSVOA_N
 ClientSampled :
 ICVVN121020

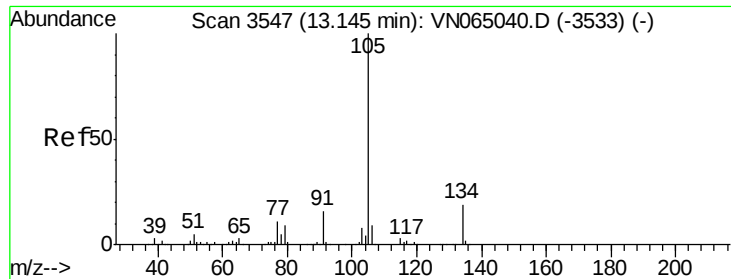
Tgt Ion:119 Resp: 346287
 Ion Ratio Lower Upper
 119 100
 91 63.6 31.1 93.5
 134 23.6 12.6 37.6



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

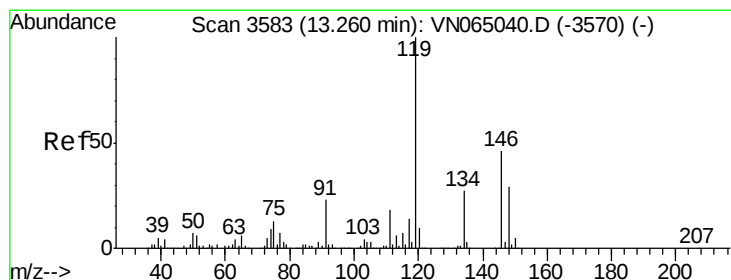
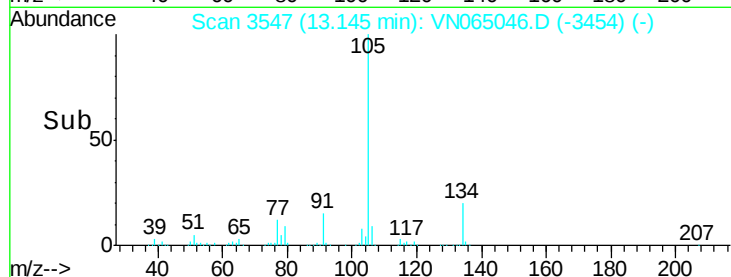
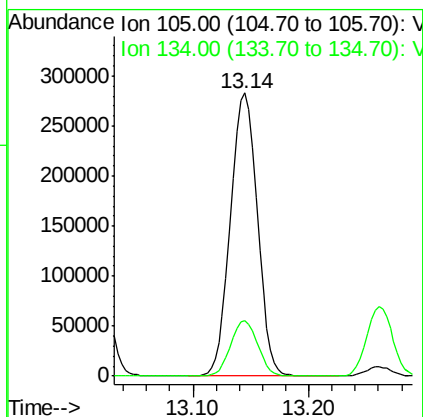
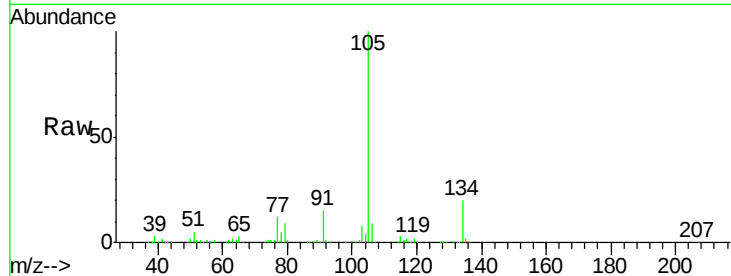




#85
 sec-Butylbenzene
 Concen: 50.010 ug/l
 RT: 13.14 min Scan# 3547
 Delta R.T. 0.00 min
 Lab File: VN065046.D
 Acq: 10 Dec 2020 16:14

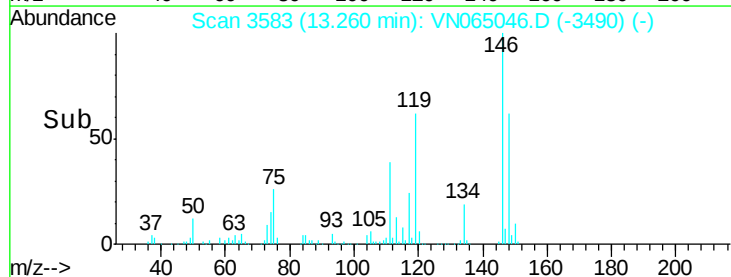
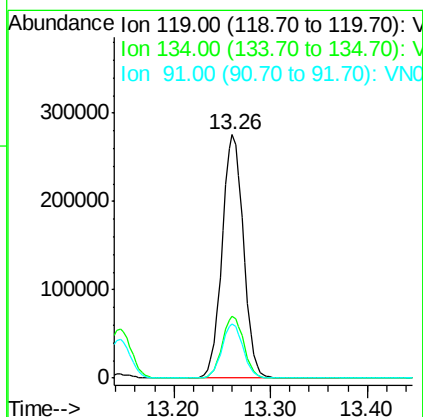
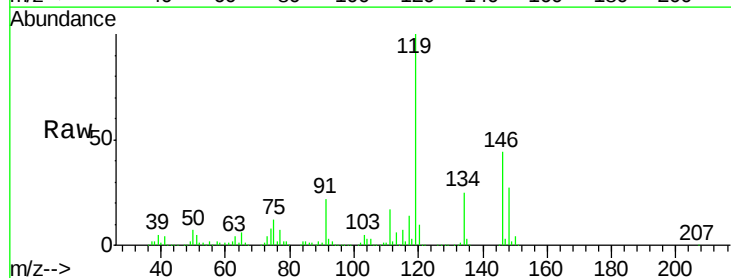
Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN121020

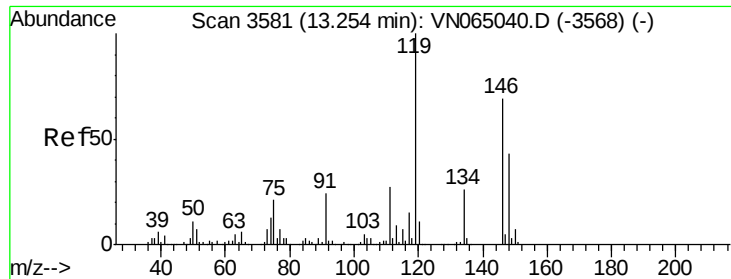
Tgt Ion:105 Resp: 453544
 Ion Ratio Lower Upper
 105 100
 134 19.7 9.8 29.5



#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





#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

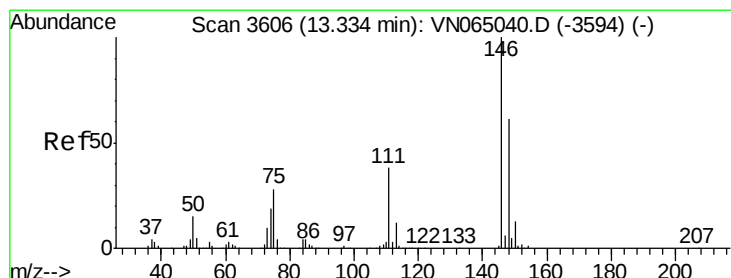
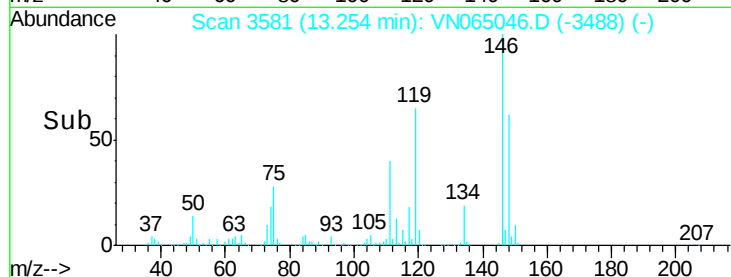
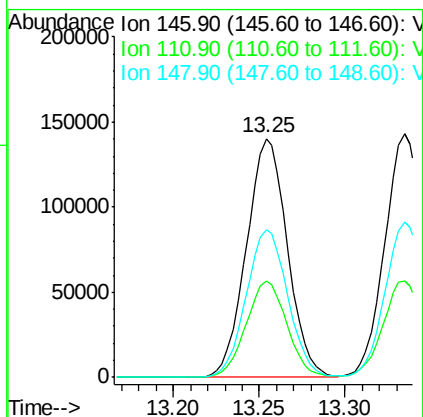
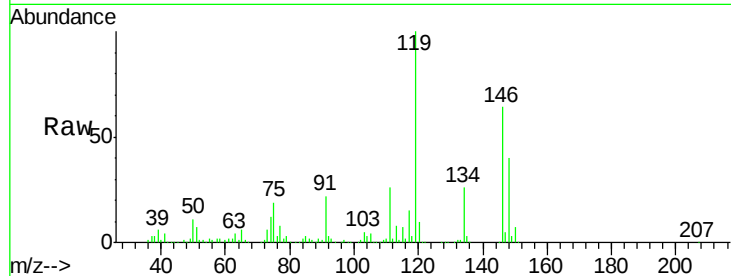
Instrument :

MSVOA_N

ClientSampleId :

ICVVN121020

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



#88

1,4-Dichlorobenzene

Concen: 48.674 ug/l

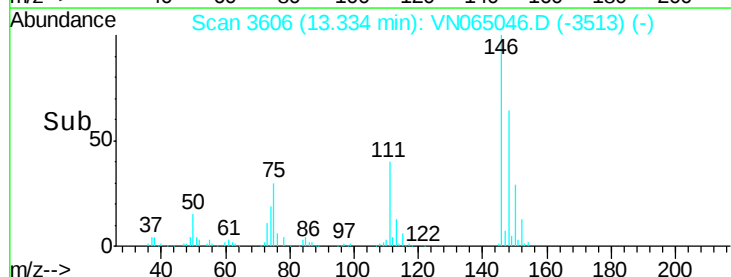
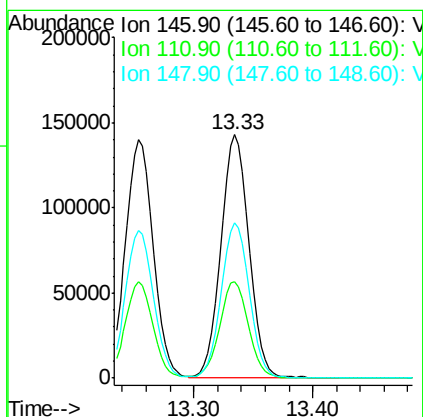
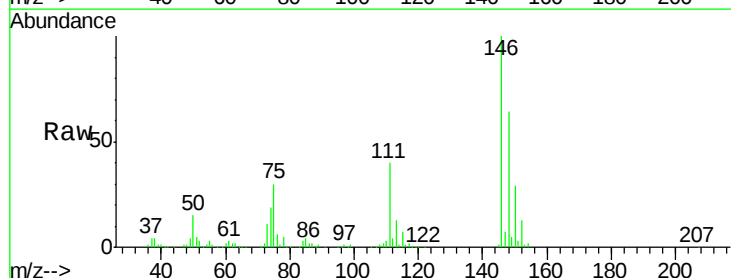
RT: 13.33 min Scan# 3606

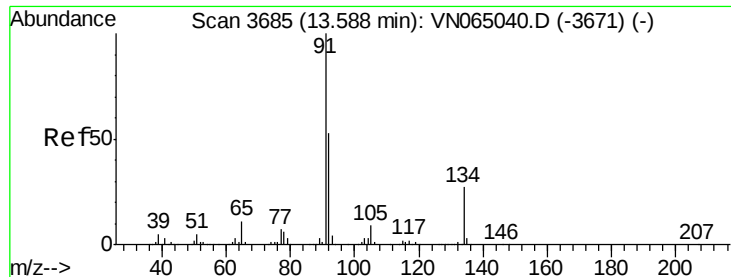
Delta R.T. 0.00 min

Lab File: VN065046.D

Acq: 10 Dec 2020 16:14

Tgt Ion:	146	Resp:	233698
Ion	Ratio	Lower	Upper
146	100		
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

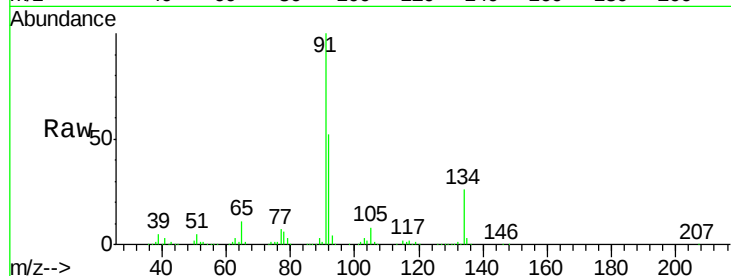
Tgt Ion: 91 Resp: 349127

Ion Ratio Lower Upper

91 100

92 51.5 25.9 77.8

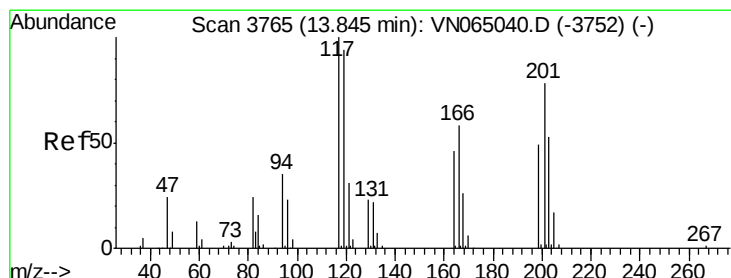
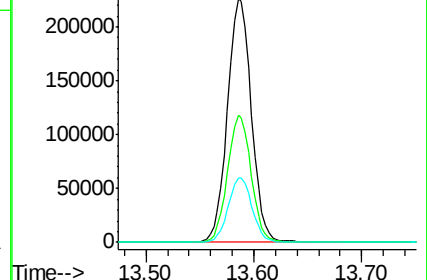
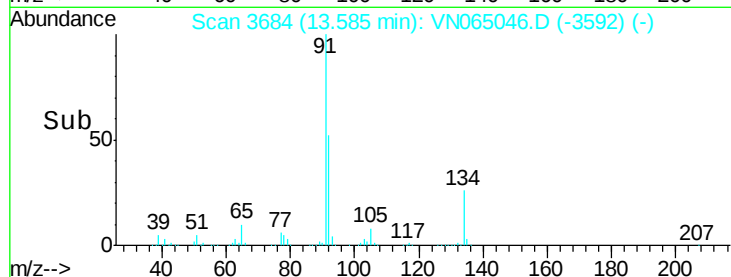
134 26.4 13.2 39.6



Abundance Ion 91.00 (90.70 to 91.70): VN065040.D (-3671) (-)

Ion 92.00 (91.70 to 92.70): VN065040.D (-3671) (-)

Ion 134.00 (133.70 to 134.70): VN065040.D (-3671) (-)



#90

Hexachloroethane

Concen: 48.775 ug/l

RT: 13.85 min Scan# 3765

Delta R.T. 0.00 min

Lab File: VN065046.D

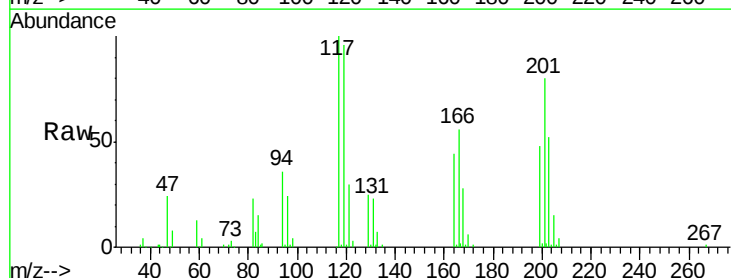
Acq: 10 Dec 2020 16:14

Tgt Ion: 117 Resp: 73883

Ion Ratio Lower Upper

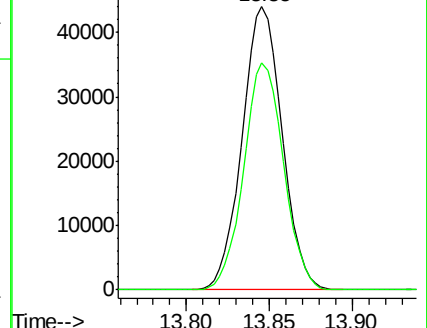
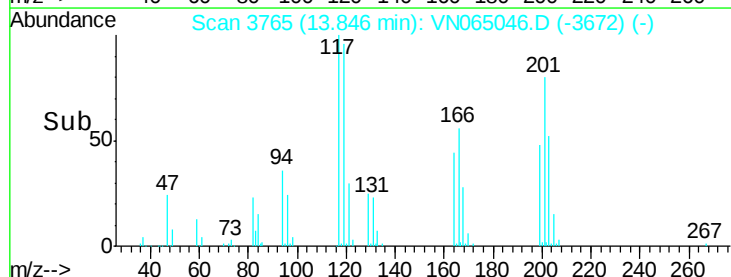
117 100

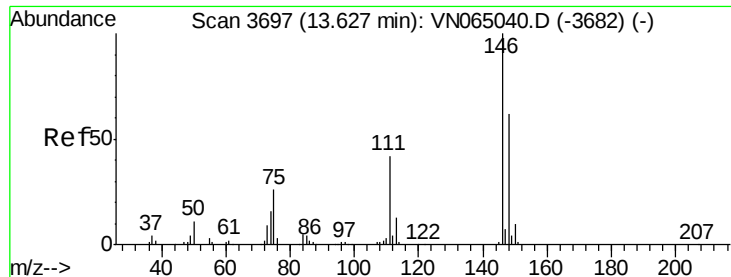
201 79.7 39.5 118.3



Abundance Ion 116.80 (116.50 to 117.50): VN065040.D (-3752) (-)

Ion 200.70 (200.40 to 201.40): VN065040.D (-3752) (-)

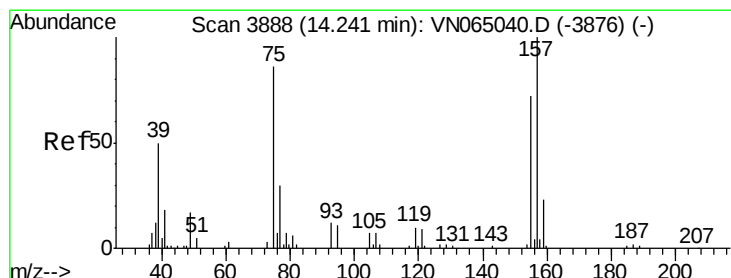
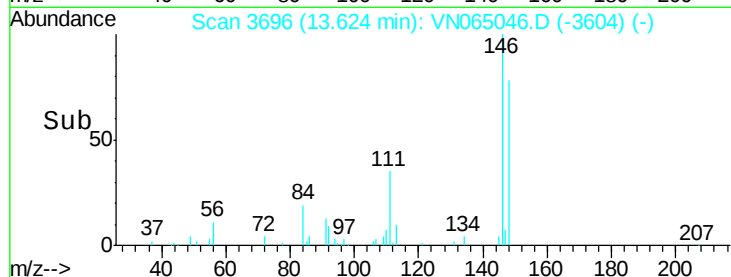
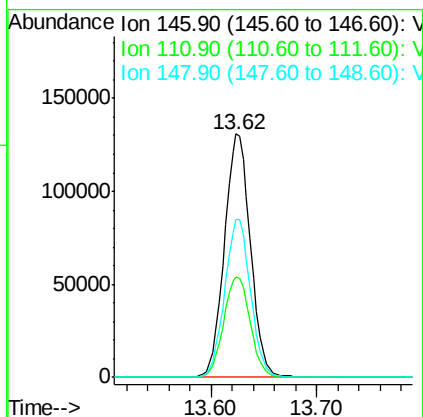
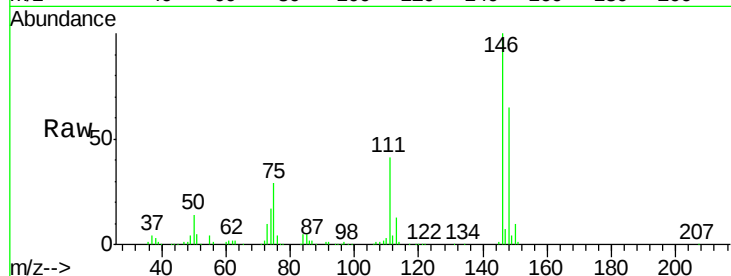




#91
 1,2-Dichlorobenzene
 Concen: 47.233 ug/l
 RT: 13.62 min Scan# 3696
 Delta R.T. -0.00 min
 Lab File: VN065046.D
 Acq: 10 Dec 2020 16:14

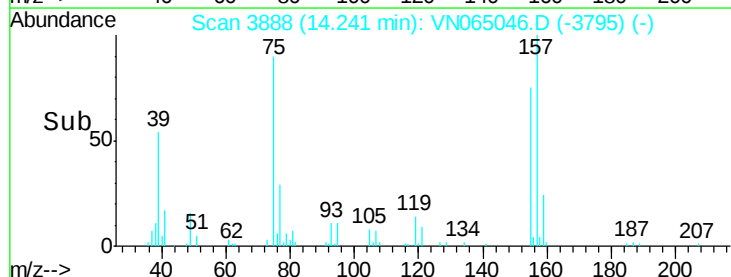
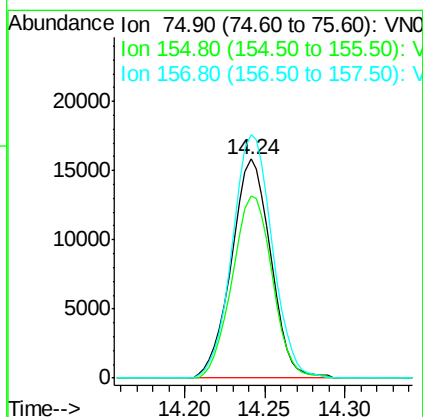
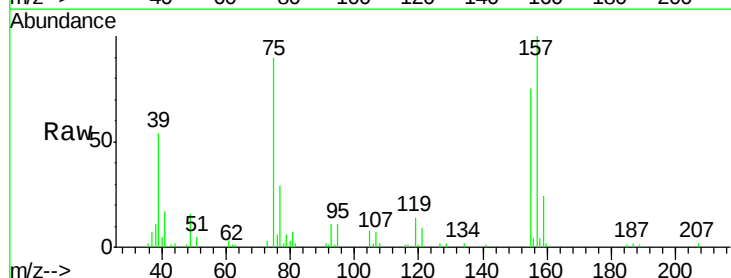
Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN121020

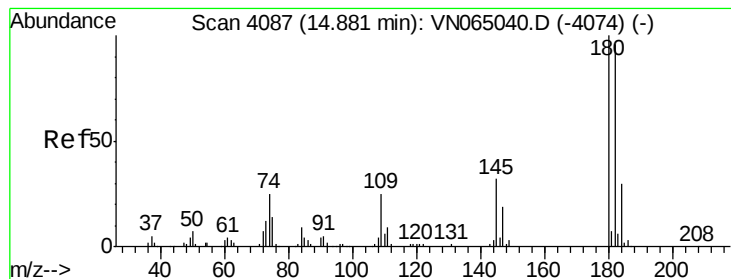
Tgt Ion: 146 Resp: 222617
 Ion Ratio Lower Upper
 146 100
 111 42.0 21.1 63.1
 148 64.5 31.7 95.1



#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: 75 Resp: 26534
 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

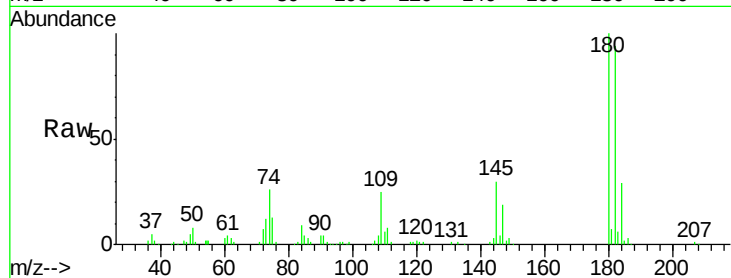
Tgt Ion:180 Resp: 119619

Ion Ratio Lower Upper

180 100

182 94.1 47.0 141.2

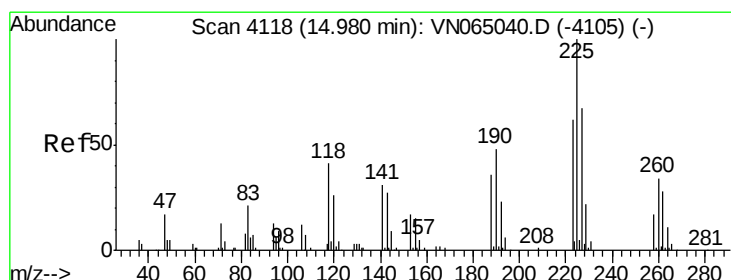
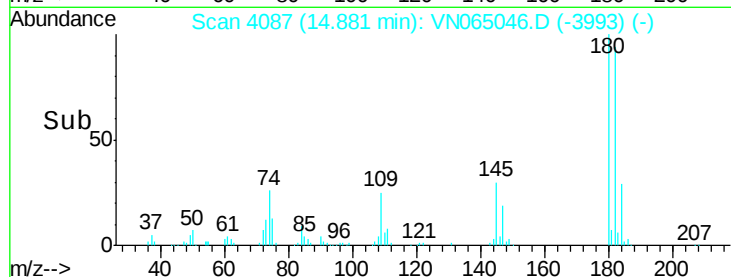
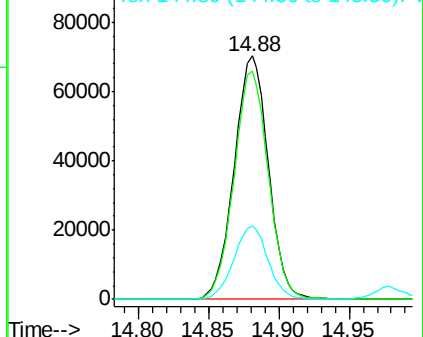
145 29.9 15.4 46.4



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#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

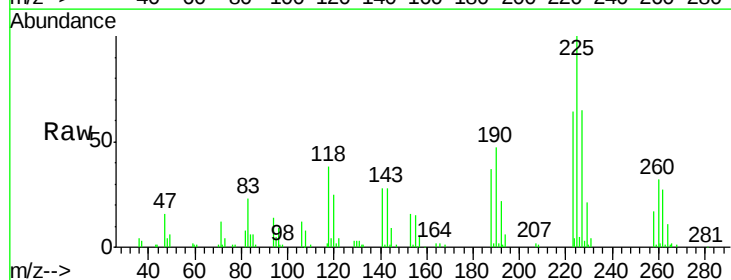
Tgt Ion:225 Resp: 61252

Ion Ratio Lower Upper

225 100

223 63.7 31.4 94.0

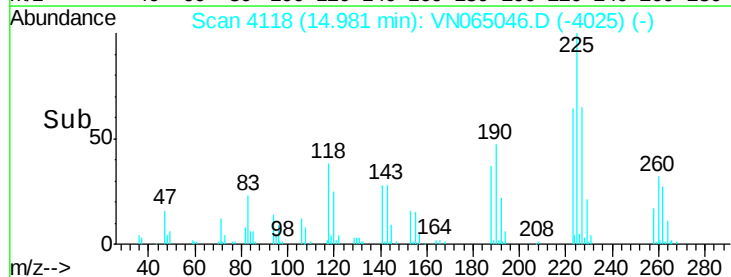
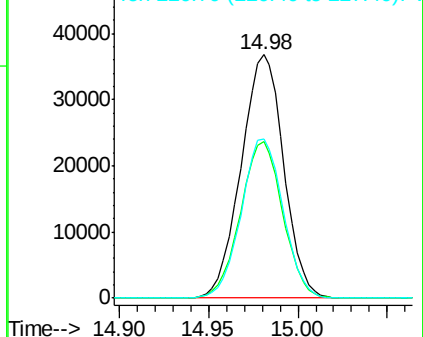
227 64.3 32.3 96.8

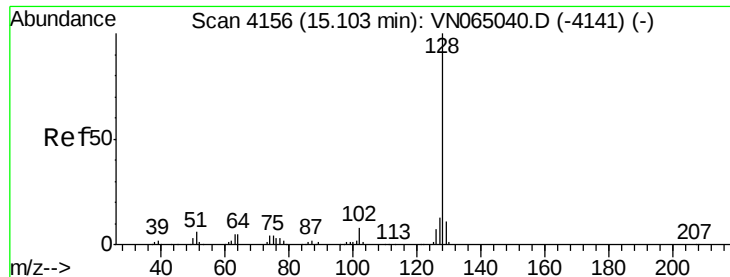


Abundance Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V





#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 :

ICVNN121020

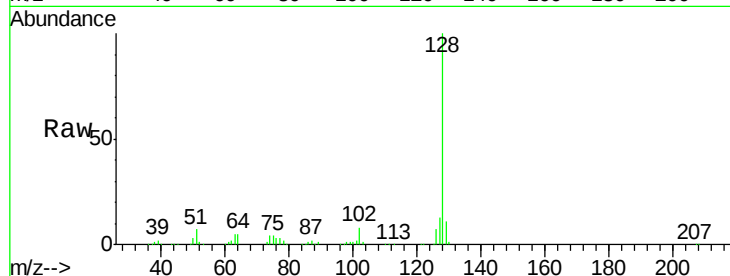
Tgt Ion:128 Resp: 339231

Ion Ratio Lower Upper

128 100

127 12.6 10.2 15.2

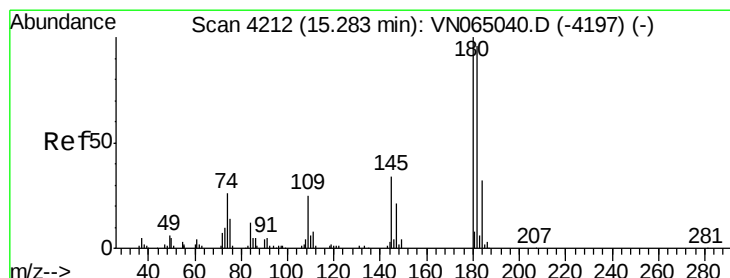
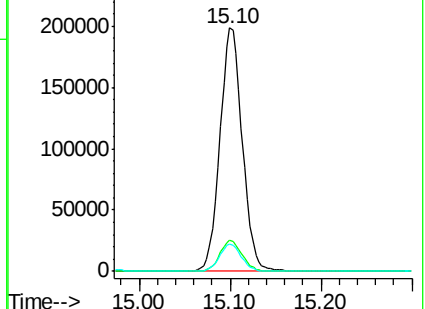
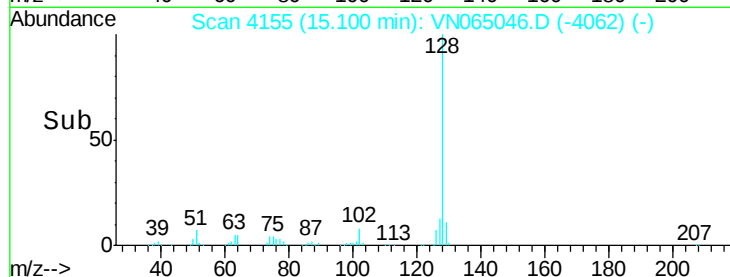
129 10.8 8.5 12.7



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 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

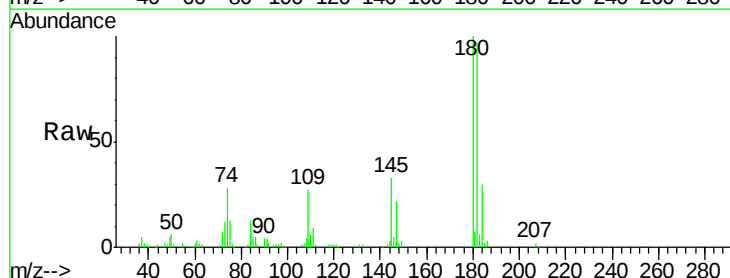
Tgt Ion:180 Resp: 109749

Ion Ratio Lower Upper

180 100

182 97.0 48.3 144.9

145 33.0 16.2 48.6



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

