

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN060520\
 Data File : VN061675.D
 Acq On : 5 Jun 2020 17:27
 Operator : JC/MD
 Sample : L2904-03MSD
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VE-4-11MSD

Quant Time: Jun 06 03:23:31 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N052820W.M
 Quant Title : SW846 8260
 QLast Update : Fri May 29 02:14:10 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	343802	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	562458	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	536224	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	275811	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.99	65	186367	45.50	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.00%	
35) Dibromofluoromethane	7.55	113	150129	52.62	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.24%	
50) Toluene-d8	10.06	98	638172	48.26	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.52%	
62) 4-Bromofluorobenzene	12.38	95	236997	49.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.26%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	175993	44.47	ug/l	97
3) Chloromethane	2.03	50	176306	42.04	ug/l	99
4) Vinyl Chloride	2.16	62	241964	42.11	ug/l	98
5) Bromomethane	2.52	94	151402	45.92	ug/l	98
6) Chloroethane	2.67	64	157137	42.48	ug/l	99
7) Trichlorofluoromethane	2.98	101	295542	39.88	ug/l	98
8) Diethyl Ether	3.37	74	100404	44.31	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	3.72	101	148590	45.19	ug/l	97
10) Methyl Iodide	3.91	142	203466	44.57	ug/l	98
11) Tert butyl alcohol	4.73	59	144988	266.11	ug/l	100
12) 1,1-Dichloroethene	3.69	96	151964	43.26	ug/l	95
13) Acrolein	3.57	56	44327	285.16	ug/l	93
14) Allyl chloride	4.27	41	191247	41.64	ug/l	96
15) Acrylonitrile	4.93	53	356342	234.32	ug/l	99
16) Acetone	3.77	43	270563	239.41	ug/l	95
17) Carbon Disulfide	4.01	76	303599	39.28	ug/l	99
18) Methyl Acetate	4.28	43	166424	44.88	ug/l	97
19) Methyl tert-butyl Ether	4.99	73	531128	44.36	ug/l	100
20) Methylene Chloride	4.50	84	176429	47.29	ug/l	94
21) trans-1,2-Dichloroethene	4.99	96	173063	43.68	ug/l	91
22) Diisopropyl ether	5.90	45	442019	43.67	ug/l	99
23) Vinyl Acetate	5.84	43	1688399	209.27	ug/l	98
24) 1,1-Dichloroethane	5.80	63	281942	43.92	ug/l	98
25) 2-Butanone	6.79	43	441269	227.31	ug/l	97
26) 2,2-Dichloropropane	6.78	77	235333	40.06	ug/l	99
27) cis-1,2-Dichloroethene	6.78	96	207901	46.34	ug/l	96
28) Bromochloromethane	7.15	49	115202	47.74	ug/l	94
29) Tetrahydrofuran	7.17	42	292247	228.30	ug/l	96
30) Chloroform	7.33	83	320795	45.17	ug/l	98
31) Cyclohexane	7.61	56	233127	40.38	ug/l	94
32) 1,1,1-Trichloroethane	7.53	97	289373	44.72	ug/l	# 49
36) 1,1-Dichloropropene	7.75	75	224848	45.16	ug/l	98
37) Ethyl Acetate	6.88	43	183890	45.85	ug/l	98
38) Carbon Tetrachloride	7.73	117	243241	50.65	ug/l	99

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.05	83	255239	41.59	ug/l	96
40) Benzene	8.00	78	707542	46.05	ug/l	99
41) Methacrylonitrile	7.17	41	261794	142.48	ug/l #	8
42) 1,2-Dichloroethane	8.08	62	231917	45.09	ug/l	99
43) Isopropyl Acetate	8.12	43	318596	44.16	ug/l	97
44) Trichloroethene	8.80	130	215366	45.61	ug/l	95
45) 1,2-Dichloropropane	9.08	63	170591	46.76	ug/l	98
46) Dibromomethane	9.17	93	128555	45.95	ug/l	96
47) Bromodichloromethane	9.37	83	256361	46.25	ug/l	99
48) Methyl methacrylate	9.17	41	139815	43.07	ug/l	97
49) 1,4-Dioxane	9.17	88	59129	1175.77	ug/l	97
51) 4-Methyl-2-Pentanone	9.95	43	978186	240.58	ug/l	98
52) Toluene	10.12	92	478172	47.69	ug/l	99
53) t-1,3-Dichloropropene	10.35	75	271930	45.54	ug/l	98
54) cis-1,3-Dichloropropene	9.81	75	288413	44.92	ug/l	97
55) 1,1,2-Trichloroethane	10.53	97	189592	47.46	ug/l	98
56) Ethyl methacrylate	10.40	69	271016	48.56	ug/l	96
57) 1,3-Dichloropropane	10.68	76	302506	47.35	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.81	63	1821	0.76	ug/l #	42
59) 2-Hexanone	10.72	43	721041	246.93	ug/l	98
60) Dibromochloromethane	10.87	129	224800	49.50	ug/l	99
61) 1,2-Dibromoethane	10.98	107	203398	48.82	ug/l	100
64) Tetrachloroethene	10.60	164	219971	43.58	ug/l	97
65) Chlorobenzene	11.41	112	529438	47.50	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.48	131	202853	48.88	ug/l	99
67) Ethyl Benzene	11.48	91	904917	46.97	ug/l	98
68) m/p-Xylenes	11.60	106	722313	94.56	ug/l	99
69) o-Xylene	11.92	106	346019	47.69	ug/l	99
70) Styrene	11.94	104	586793	48.84	ug/l	99
71) Bromoform	12.10	173	165038	51.61	ug/l #	99
73) Isopropylbenzene	12.22	105	912473	45.33	ug/l	100
74) N-amyl acetate	12.04	43	293941	46.37	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.48	83	259349	45.97	ug/l	100
76) 1,2,3-Trichloropropane	12.53	75	327515	65.30	ug/l #	100
77) Bromobenzene	12.50	156	248638	48.39	ug/l	94
78) n-propylbenzene	12.57	91	1009047	44.90	ug/l	100
79) 2-Chlorotoluene	12.65	91	595706	44.45	ug/l	99
80) 1,3,5-Trimethylbenzene	12.71	105	755276	44.89	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.27	75	85031	43.36	ug/l	99
82) 4-Chlorotoluene	12.75	91	633420	44.93	ug/l	100
83) tert-Butylbenzene	12.97	119	653515	43.96	ug/l	98
84) 1,2,4-Trimethylbenzene	13.01	105	756697	45.27	ug/l	98
85) sec-Butylbenzene	13.15	105	827086	43.18	ug/l	100
86) p-Isopropyltoluene	13.26	119	778644	44.14	ug/l	99
87) 1,3-Dichlorobenzene	13.26	146	432681	47.55	ug/l	99
88) 1,4-Dichlorobenzene	13.34	146	436674	47.11	ug/l	99
89) n-Butylbenzene	13.59	91	622276	42.11	ug/l	99
90) Hexachloroethane	13.85	117	116435	59.68	ug/l	91
91) 1,2-Dichlorobenzene	13.63	146	413187	47.52	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.25	75	49005	42.59	ug/l	90

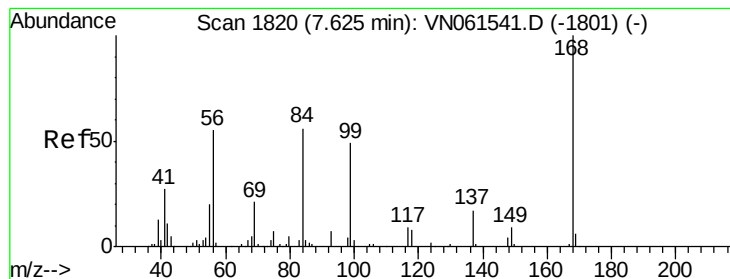
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN060520\
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Quant Title : SW846 8260
QLast Update : Fri May 29 02:14:10 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.89	180	243947	47.97	ug/l	98
94) Hexachlorobutadiene	14.99	225	90345	41.65	ug/l	98
95) Naphthalene	15.10	128	759654	49.08	ug/l	99
96) 1,2,3-Trichlorobenzene	15.28	180	233973	46.79	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.63 min Scan# 1820

Delta R.T. 0.00 min

Lab File: VN061675.D

Acq: 5 Jun 2020 17:27

Instrument :

MSVOA_N

ClientSampleId :

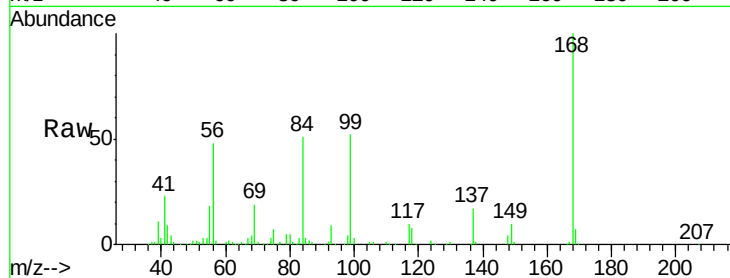
VE-4-11MSD

Tgt Ion:168 Resp: 343802

Ion Ratio Lower Upper

168 100

99 51.9 45.0 67.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.63

150000

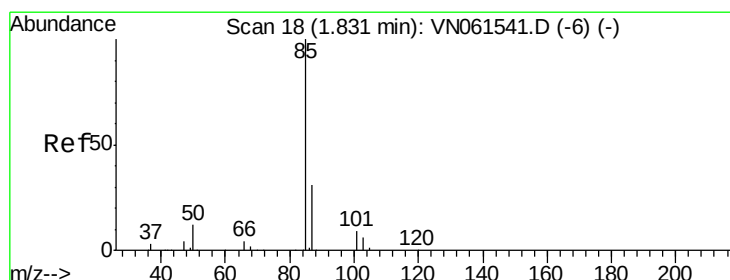
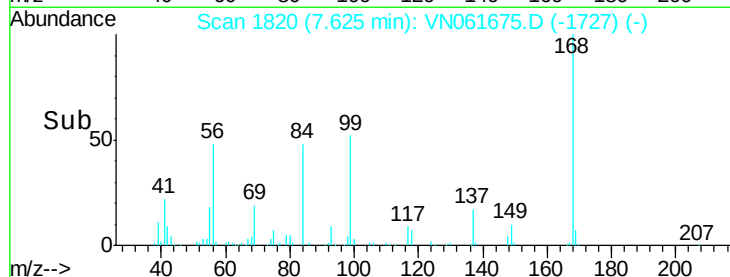
100000

50000

0

7.50 7.60 7.70

Time-->



#2

Dichlorodifluoromethane

Concen: 44.47 ug/l

RT: 1.83 min Scan# 18

Delta R.T. 0.00 min

Lab File: VN061675.D

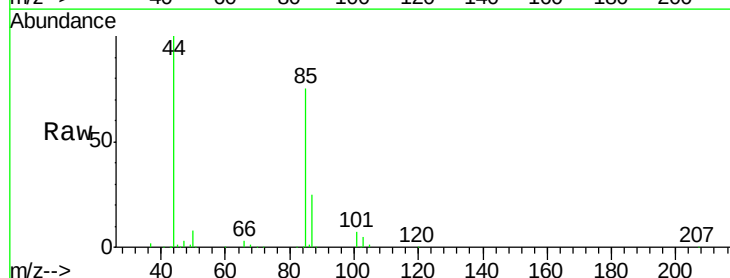
Acq: 5 Jun 2020 17:27

Tgt Ion: 85 Resp: 175993

Ion Ratio Lower Upper

85 100

87 32.6 15.6 46.8



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.83

150000

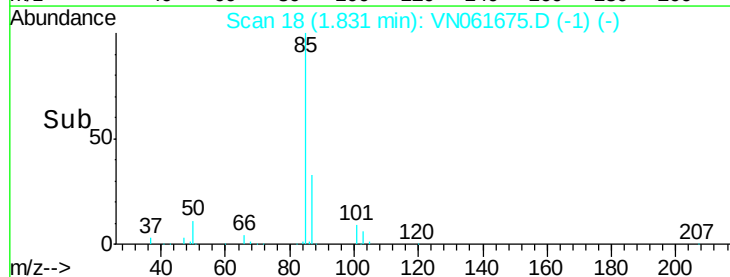
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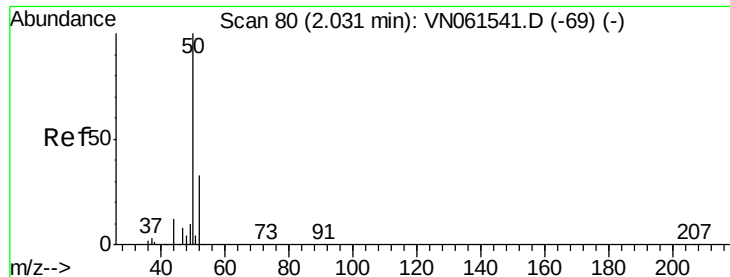
50000

0

1.75 1.80 1.85 1.90 1.95

Time-->





#3

Chloromethane

Concen: 42.04 ug/l

RT: 2.03 min Scan# 81

Delta R.T. 0.00 min

Lab File: VN061675.D

Acq: 5 Jun 2020 17:27

Instrument :

MSVOA_N

ClientSampleId :

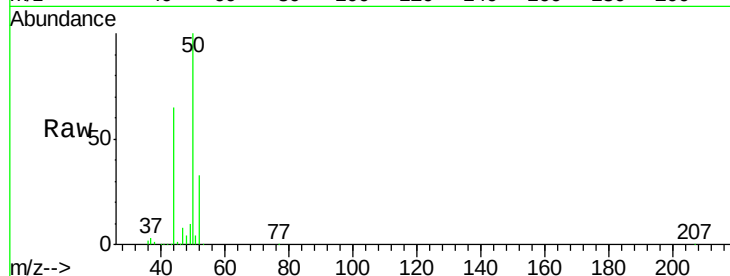
VE-4-11MSD

Tgt Ion: 50 Resp: 176306

Ion Ratio Lower Upper

50 100

52 32.6 26.7 40.1



Abundance Ion 49.90 (49.60 to 50.60): VN061675.D (-1) (-)

Ion 51.90 (51.60 to 52.60): VN061675.D (-1) (-)

2.03

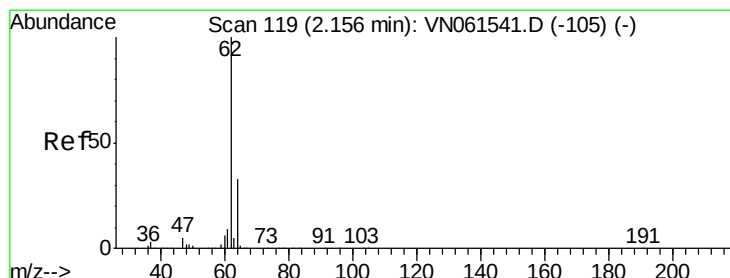
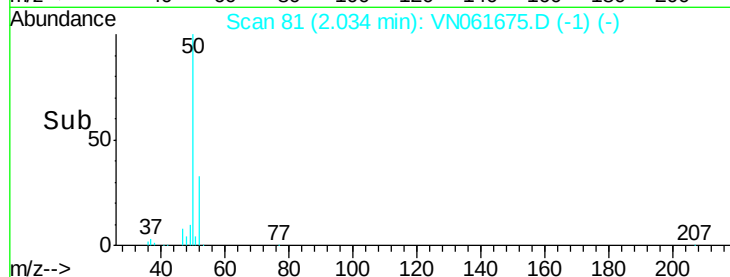
150000

100000

50000

0

Time-->



#4

Vinyl Chloride

Concen: 42.11 ug/l

RT: 2.16 min Scan# 119

Delta R.T. 0.00 min

Lab File: VN061675.D

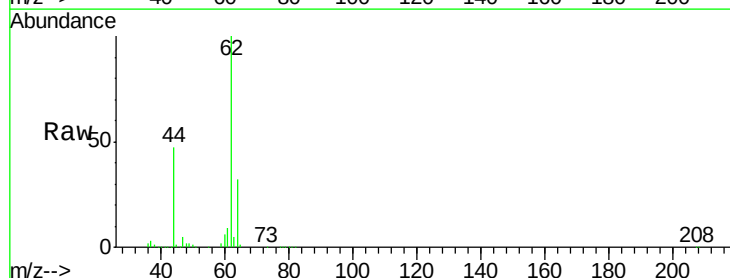
Acq: 5 Jun 2020 17:27

Tgt Ion: 62 Resp: 241964

Ion Ratio Lower Upper

62 100

64 31.7 26.2 39.2



Abundance Ion 61.90 (61.60 to 62.60): VN061675.D (-26) (-)

Ion 63.90 (63.60 to 64.60): VN061675.D (-26) (-)

2.16

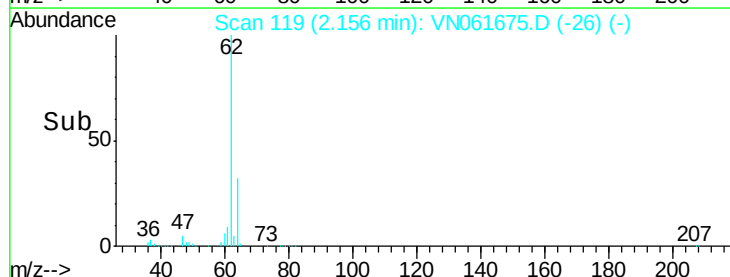
150000

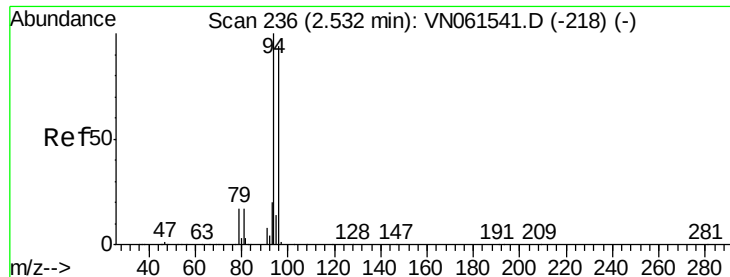
100000

50000

0

Time-->





#5

Bromomethane

Concen: 45.92 ug/l

RT: 2.52 min Scan# 233

Delta R.T. -0.01 min

Lab File: VN061675.D

Acq: 5 Jun 2020 17:27

Instrument :

MSVOA_N

ClientSampleId :

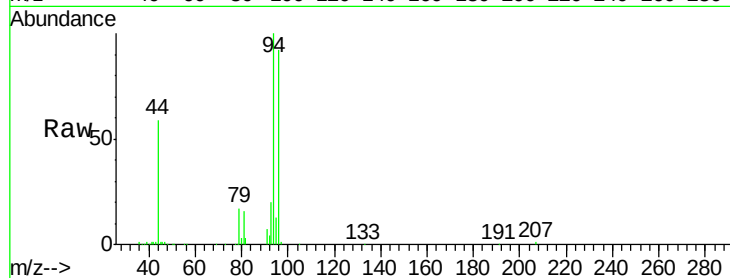
VE-4-11MSD

Tgt Ion: 94 Resp: 151402

Ion Ratio Lower Upper

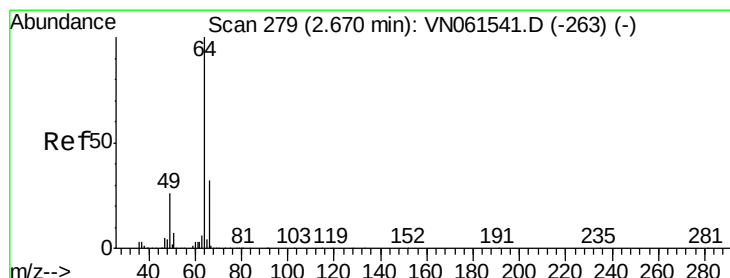
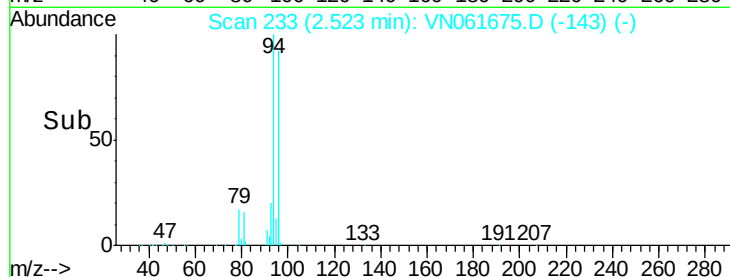
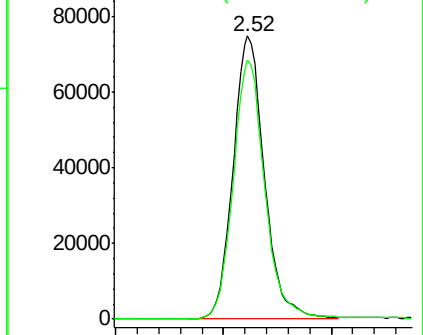
94 100

96 91.2 74.8 112.2



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 42.48 ug/l

RT: 2.67 min Scan# 278

Delta R.T. -0.00 min

Lab File: VN061675.D

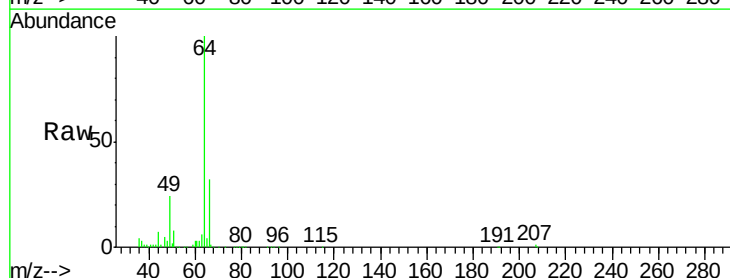
Acq: 5 Jun 2020 17:27

Tgt Ion: 64 Resp: 157137

Ion Ratio Lower Upper

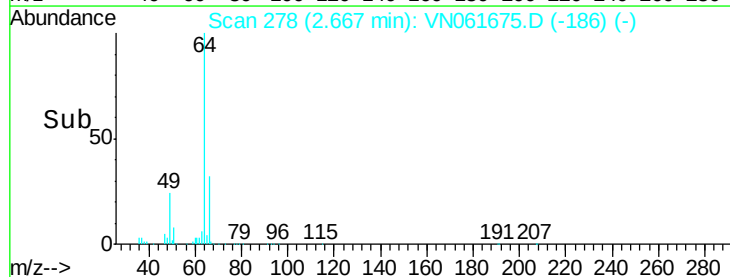
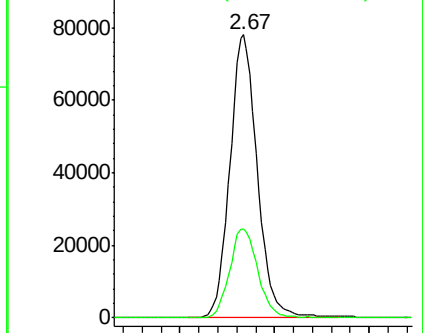
64 100

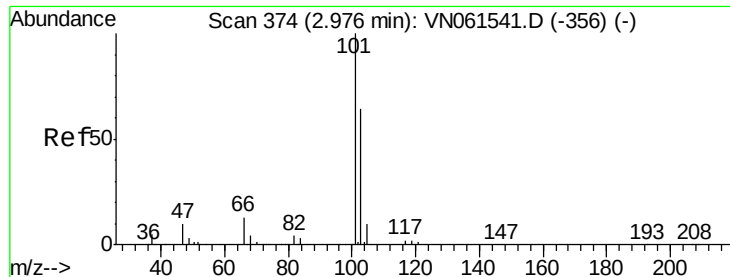
66 31.5 25.6 38.4



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0



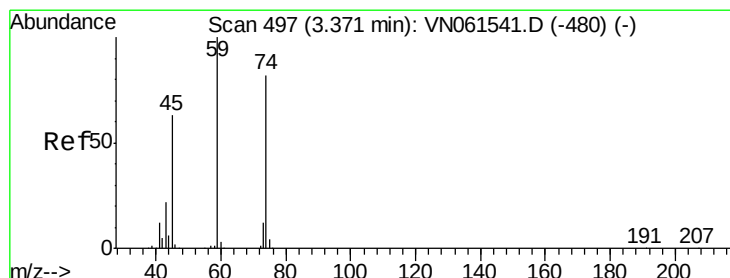
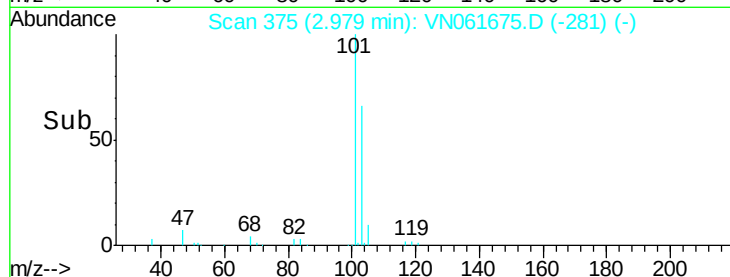
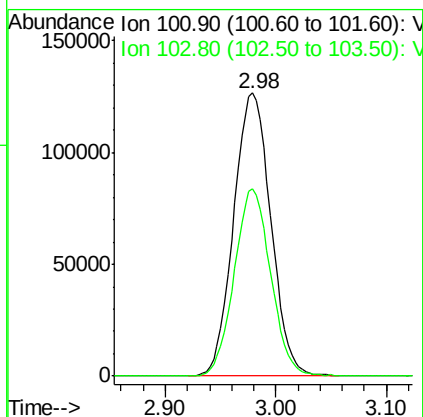
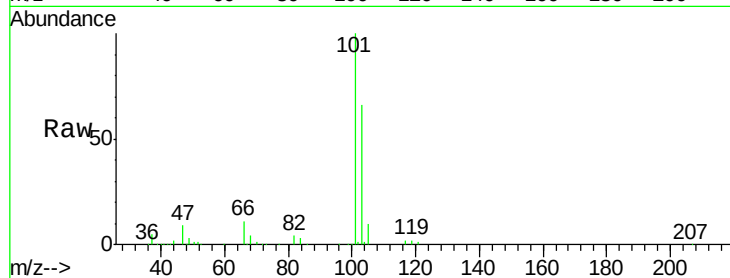


#7

Trichlorofluoromethane
 Concen: 39.88 ug/l
 RT: 2.98 min Scan# 375
 Delta R.T. 0.00 min
 Lab File: VN061675.D
 Acq: 5 Jun 2020 17:27

Instrument :
 MSVOA_N
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 VE-4-11MSD

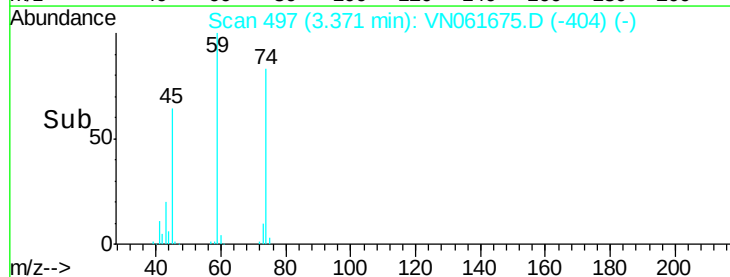
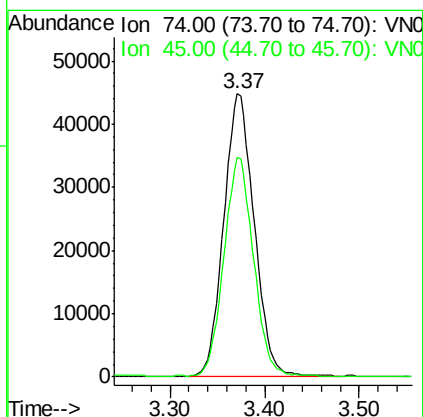
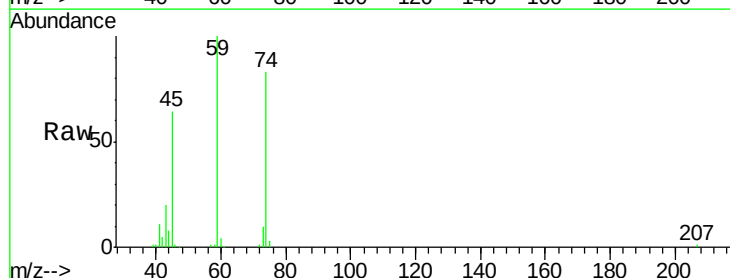
Tgt Ion:101 Resp: 295542
 Ion Ratio Lower Upper
 101 100
 103 66.1 51.4 77.2

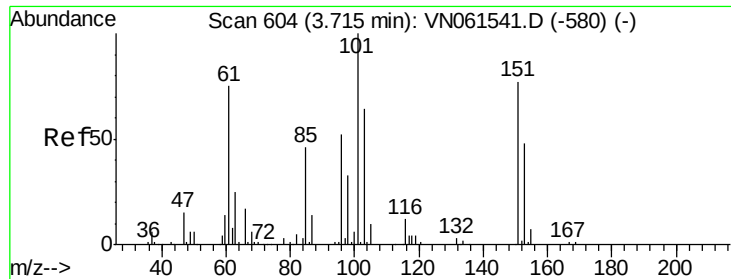


#8

Diethyl Ether
 Concen: 44.31 ug/l
 RT: 3.37 min Scan# 497
 Delta R.T. 0.00 min
 Lab File: VN061675.D
 Acq: 5 Jun 2020 17:27

Tgt Ion: 74 Resp: 100404
 Ion Ratio Lower Upper
 74 100
 45 75.7 39.9 119.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 45.19 ug/l

RT: 3.72 min Scan# 604

Delta R.T. 0.00 min

Lab File: VN061675.D

Acq: 5 Jun 2020 17:27

Instrument :

MSVOA_N

ClientSampleId :

VE-4-11MSD

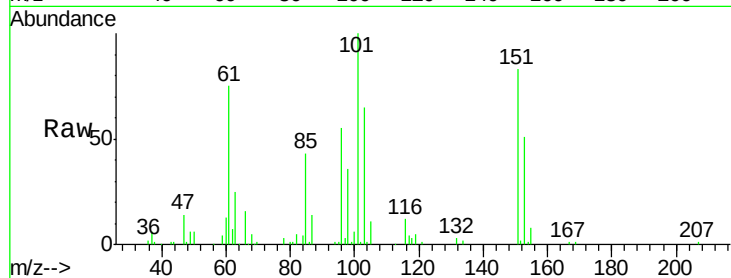
Tgt Ion:101 Resp: 148590

Ion Ratio Lower Upper

101 100

85 43.9 35.2 52.8

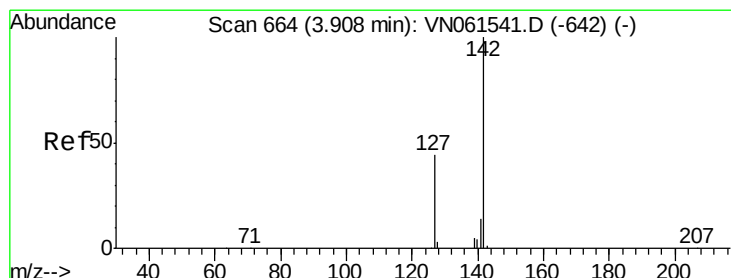
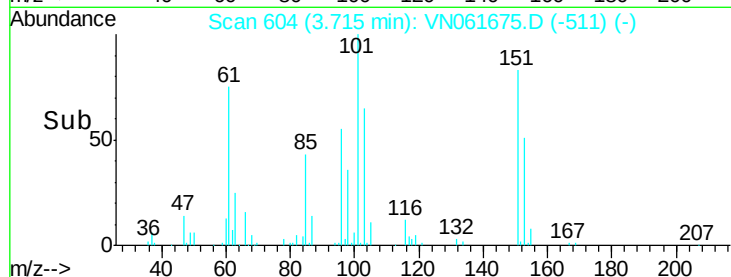
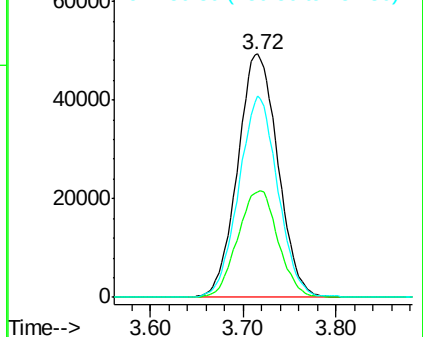
151 80.1 61.0 91.6



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN0

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 44.57 ug/l

RT: 3.91 min Scan# 664

Delta R.T. 0.00 min

Lab File: VN061675.D

Acq: 5 Jun 2020 17:27

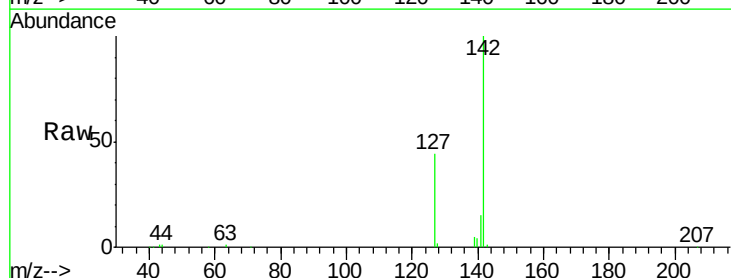
Tgt Ion:142 Resp: 203466

Ion Ratio Lower Upper

142 100

127 42.7 35.5 53.3

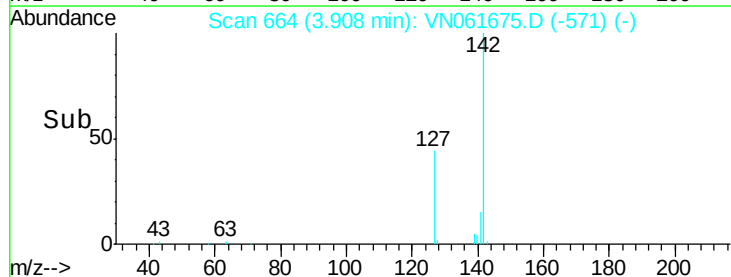
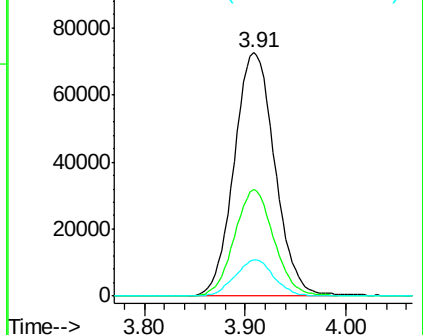
141 14.4 11.5 17.3

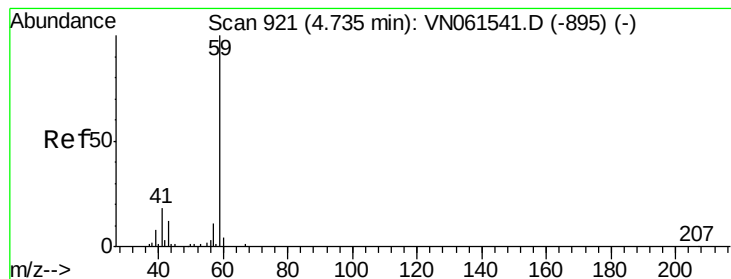


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



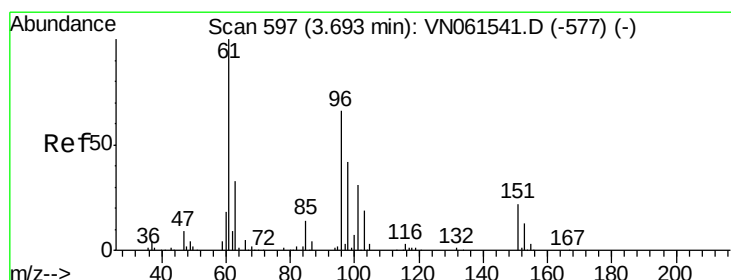
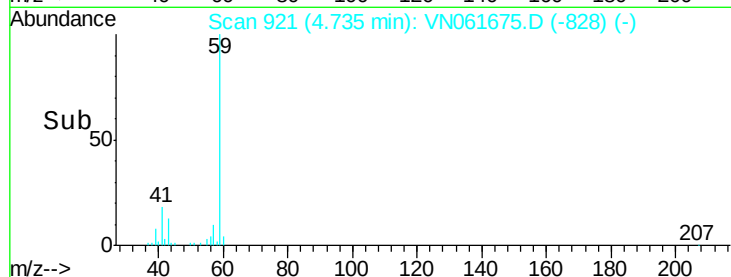
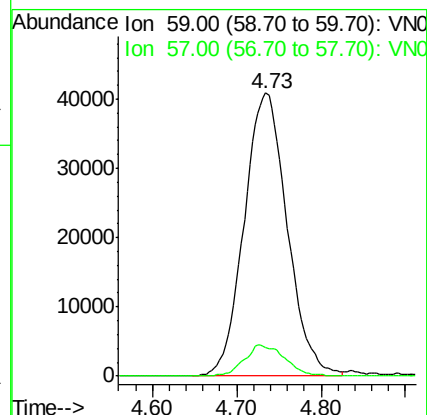
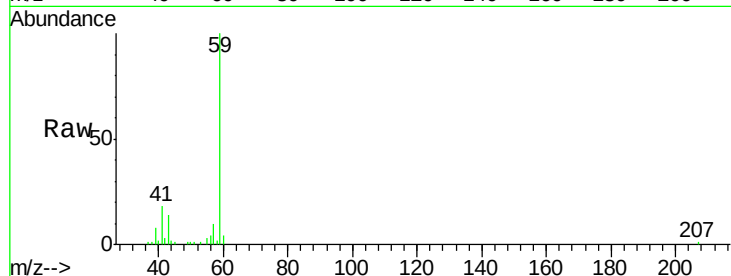


#11

Tert butyl alcohol
Concen: 266.11 ug/l
RT: 4.73 min Scan# 921
Delta R.T. 0.00 min
Lab File: VN061675.D
Acq: 5 Jun 2020 17:27

Instrument :
MSVOA_N
ClientSampled :
VE-4-11MSD

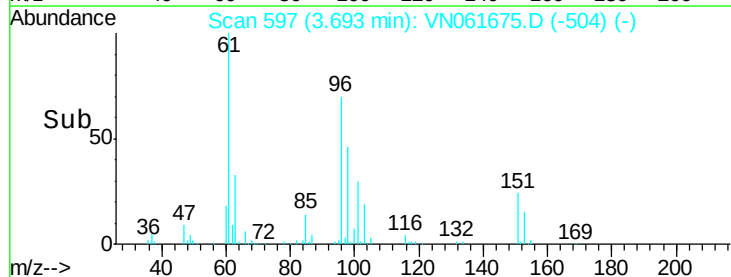
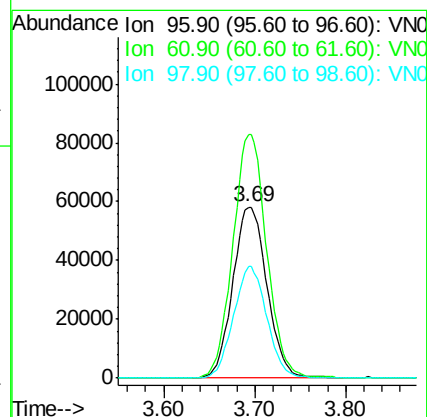
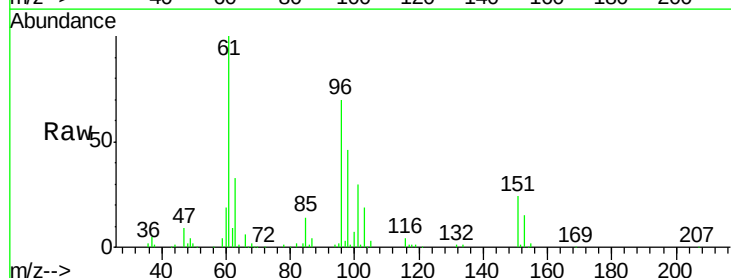
Tgt Ion: 59 Resp: 144988
Ion Ratio Lower Upper
59 100
57 10.4 8.4 12.6

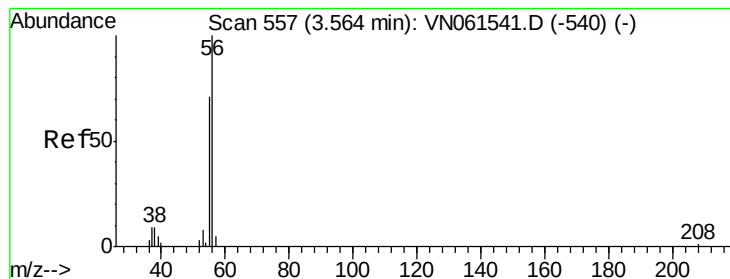


#12

1,1-Dichloroethene
Concen: 43.26 ug/l
RT: 3.69 min Scan# 597
Delta R.T. 0.00 min
Lab File: VN061675.D
Acq: 5 Jun 2020 17:27

Tgt Ion: 96 Resp: 151964
Ion Ratio Lower Upper
96 100
61 142.1 120.5 180.7
98 65.0 50.8 76.2





#13

Acrolein

Concen: 285.16 ug/l

RT: 3.57 min Scan# 558

Delta R.T. 0.00 min

Lab File: VN061675.D

Acq: 5 Jun 2020 17:27

Instrument :

MSVOA_N

ClientSampleId :

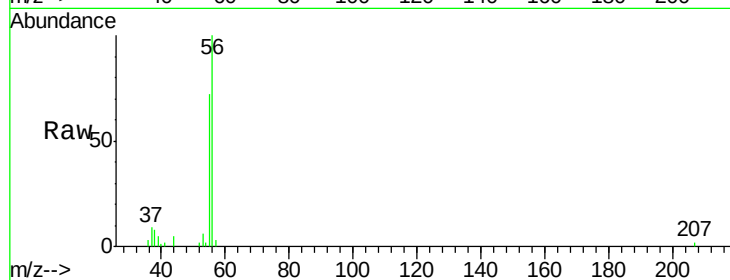
VE-4-11MSD

Tgt Ion: 56 Resp: 44327

Ion Ratio Lower Upper

56 100

55 66.6 58.0 87.0



Abundance Ion 56.00 (55.70 to 56.70): VN061675.D (-540) (-)

Ion 55.00 (54.70 to 55.70): VN061675.D (-540) (-)

3.57

20000

15000

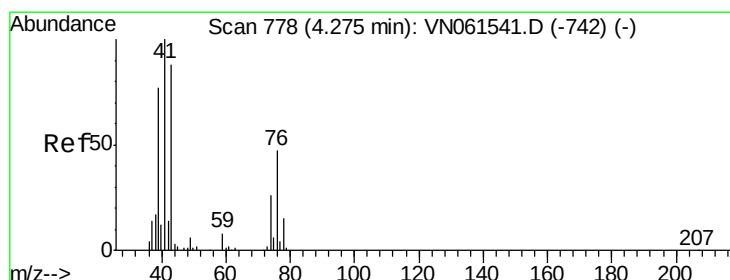
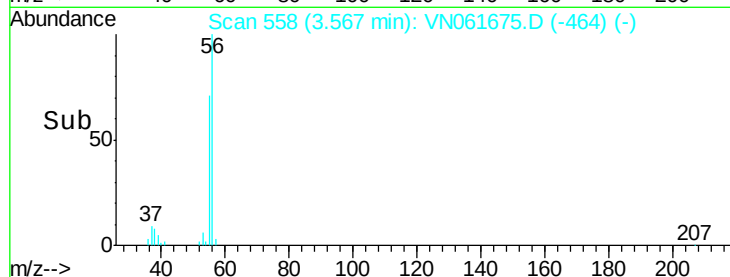
10000

5000

0

Time-->

3.50 3.55 3.60 3.65



#14

Allyl chloride

Concen: 41.64 ug/l

RT: 4.27 min Scan# 778

Delta R.T. 0.00 min

Lab File: VN061675.D

Acq: 5 Jun 2020 17:27

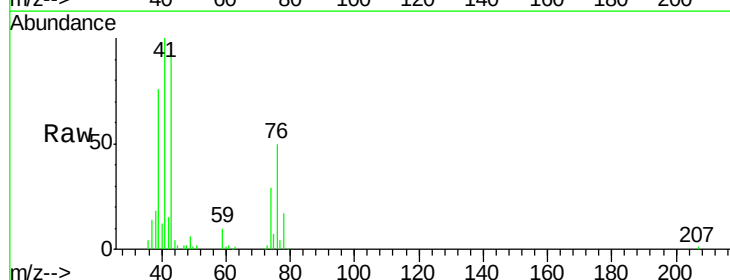
Tgt Ion: 41 Resp: 191247

Ion Ratio Lower Upper

41 100

39 70.3 58.6 88.0

76 45.6 34.2 51.4



Abundance Ion 41.00 (40.70 to 41.70): VN061675.D (-685) (-)

Ion 39.00 (38.70 to 39.70): VN061675.D (-685) (-)

Ion 75.90 (75.60 to 76.60): VN061675.D (-685) (-)

4.27

80000

60000

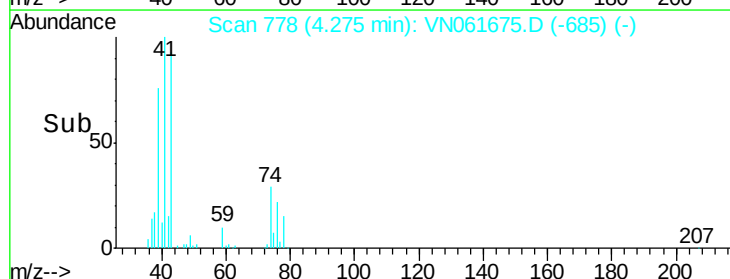
40000

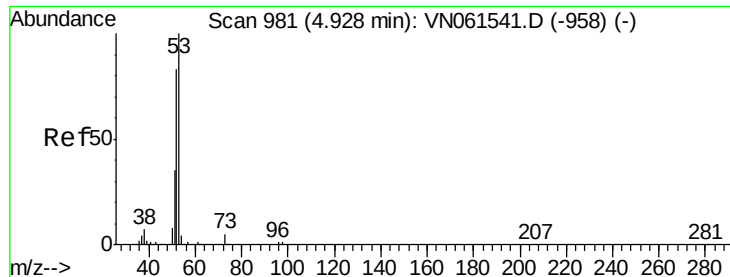
20000

0

Time-->

4.10 4.20 4.30 4.40





#15

Acrylonitrile

Concen: 234.32 ug/l

RT: 4.93 min Scan# 982

Delta R.T. 0.00 min

Lab File: VN061675.D

Acq: 5 Jun 2020 17:27

Instrument :

MSVOA_N

ClientSampled :

VE-4-11MSD

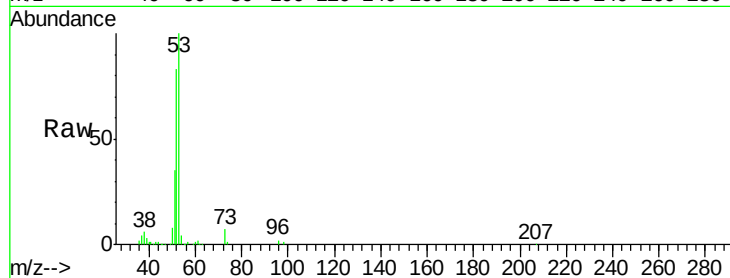
Tgt Ion: 53 Resp: 356342

Ion Ratio Lower Upper

53 100

52 83.2 65.4 98.2

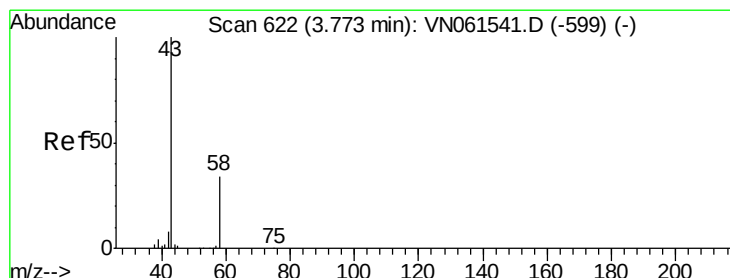
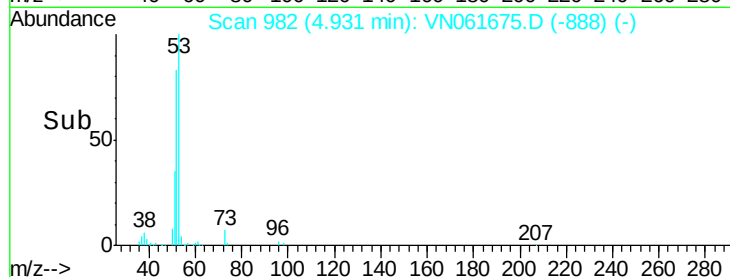
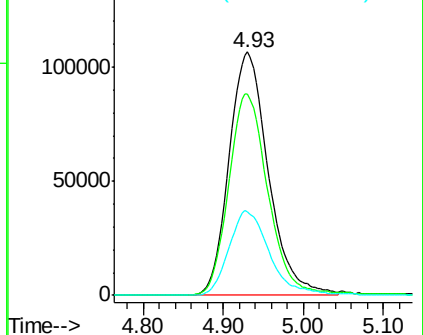
51 36.2 29.0 43.6



Abundance Ion 53.00 (52.70 to 53.70): VN061675.D (-958) (-)

Ion 52.00 (51.70 to 52.70): VN061675.D (-958) (-)

Ion 51.00 (50.70 to 51.70): VN061675.D (-958) (-)



#16

Acetone

Concen: 239.41 ug/l

RT: 3.77 min Scan# 622

Delta R.T. 0.00 min

Lab File: VN061675.D

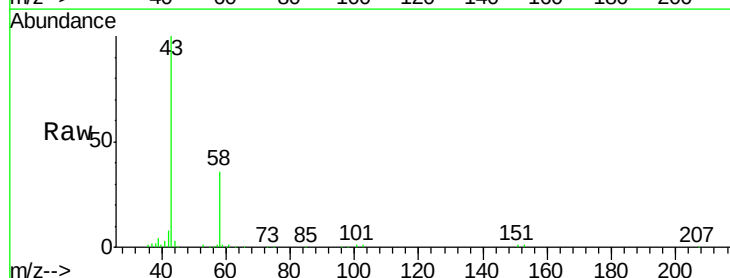
Acq: 5 Jun 2020 17:27

Tgt Ion: 43 Resp: 270563

Ion Ratio Lower Upper

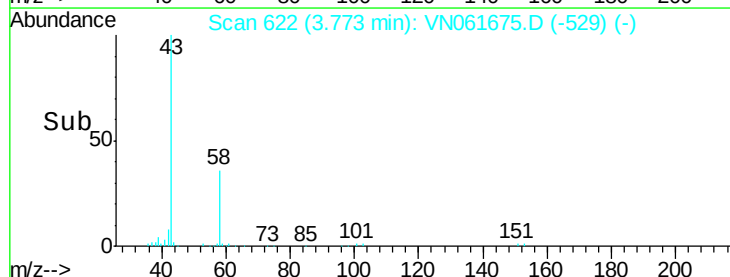
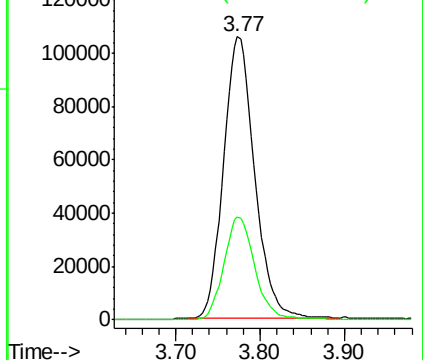
43 100

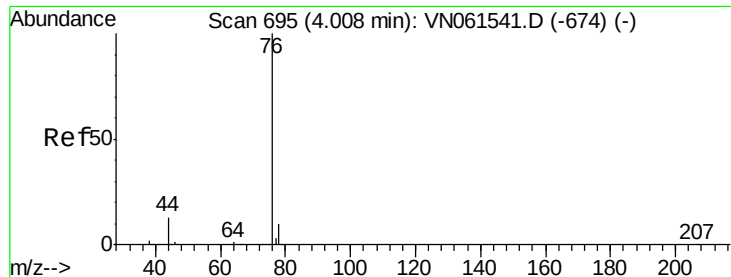
58 36.6 27.2 40.8



Abundance Ion 43.00 (42.70 to 43.70): VN061675.D (-529) (-)

Ion 58.00 (57.70 to 58.70): VN061675.D (-529) (-)





#17

Carbon Disulfide

Concen: 39.28 ug/l

RT: 4.01 min Scan# 695

Delta R.T. 0.00 min

Lab File: VN061675.D

Acq: 5 Jun 2020 17:27

Instrument :

MSVOA_N

ClientSampleId :

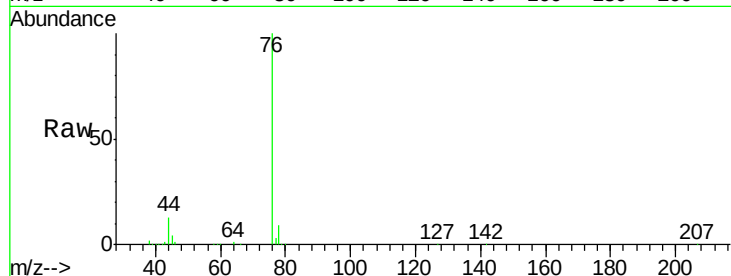
VE-4-11MSD

Tgt Ion: 76 Resp: 303599

Ion Ratio Lower Upper

76 100

78 9.3 7.8 11.6



Abundance Ion 75.90 (75.60 to 76.60): VN061675.D (-602) (-)

Ion 77.90 (77.60 to 78.60): VN061675.D (-602) (-)

4.01

120000

100000

80000

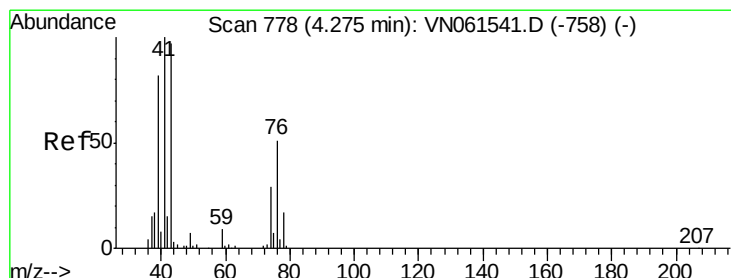
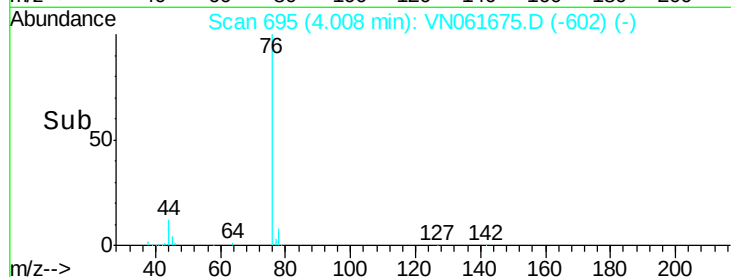
60000

40000

20000

0

Time-->



#18

Methyl Acetate

Concen: 44.88 ug/l

RT: 4.28 min Scan# 779

Delta R.T. 0.00 min

Lab File: VN061675.D

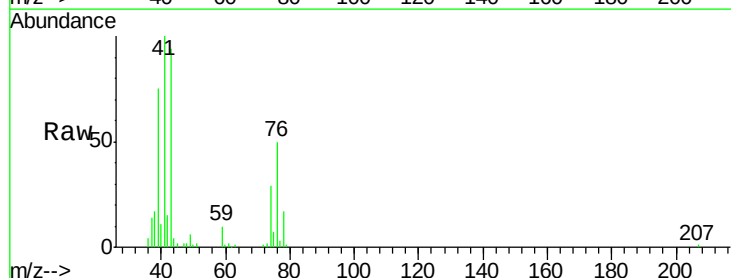
Acq: 5 Jun 2020 17:27

Tgt Ion: 43 Resp: 166424

Ion Ratio Lower Upper

43 100

74 30.8 23.2 34.8



Abundance Ion 43.00 (42.70 to 43.70): VN061675.D (-685) (-)

Ion 74.00 (73.70 to 74.70): VN061675.D (-685) (-)

4.28

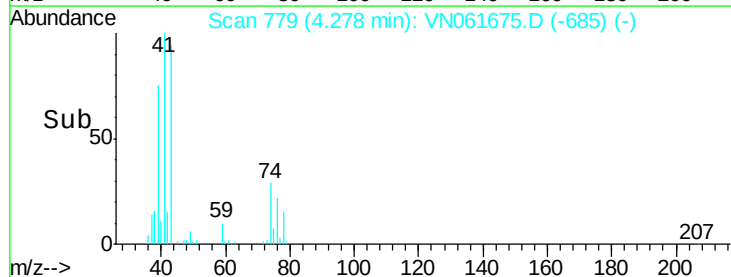
60000

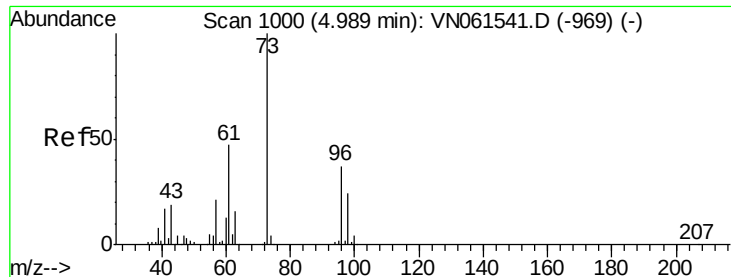
40000

20000

0

Time-->





#19

Methyl tert-butyl Ether

Concen: 44.36 ug/l

RT: 4.99 min Scan# 1000

Delta R.T. 0.00 min

Lab File: VN061675.D

Acq: 5 Jun 2020 17:27

Instrument :

MSVOA_N

ClientSampleId :

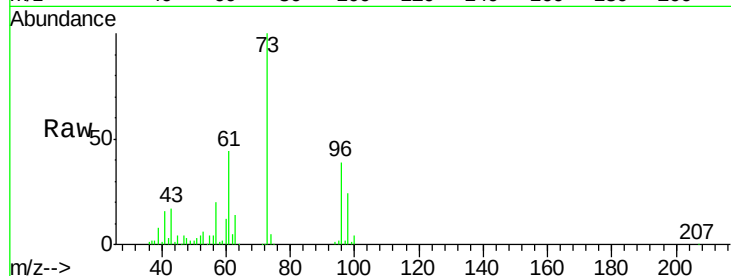
VE-4-11MSD

Tgt Ion: 73 Resp: 531128

Ion Ratio Lower Upper

73 100

57 20.4 16.4 24.6



Abundance Ion 73.00 (72.70 to 73.70): VN0

Ion 57.00 (56.70 to 57.70): VN0

4.99

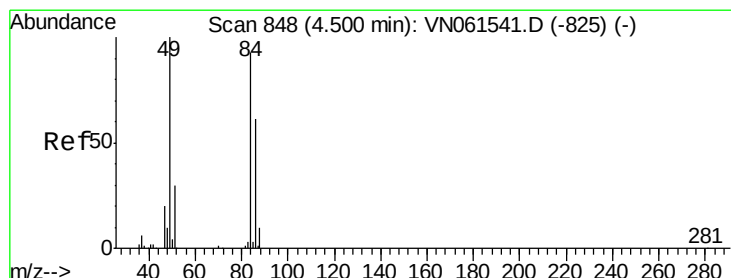
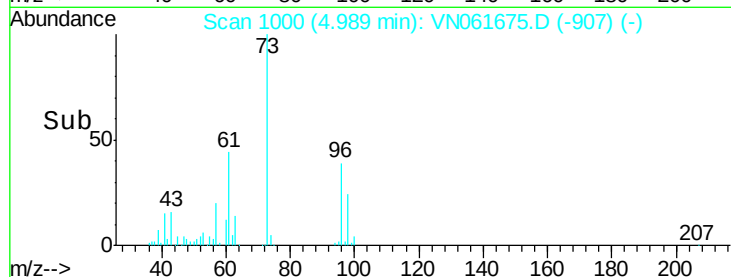
150000

100000

50000

0

Time--> 4.80 4.90 5.00 5.10



#20

Methylene Chloride

Concen: 47.29 ug/l

RT: 4.50 min Scan# 849

Delta R.T. 0.00 min

Lab File: VN061675.D

Acq: 5 Jun 2020 17:27

Tgt Ion: 84 Resp: 176429

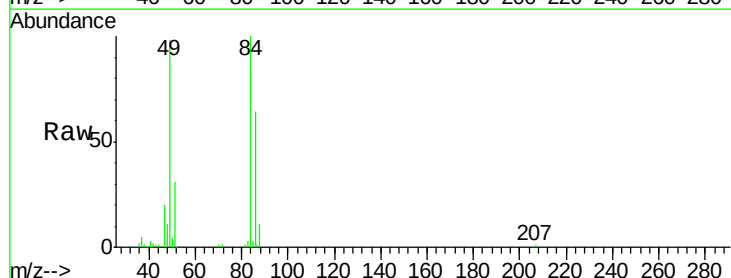
Ion Ratio Lower Upper

84 100

49 97.8 85.8 128.8

51 31.5 26.2 39.2

86 64.2 52.6 78.8



Abundance Ion 83.90 (83.60 to 84.60): VN0

Ion 48.90 (48.60 to 49.60): VN0

Ion 50.90 (50.60 to 51.60): VN0

Ion 85.90 (85.60 to 86.60): VN0

80000

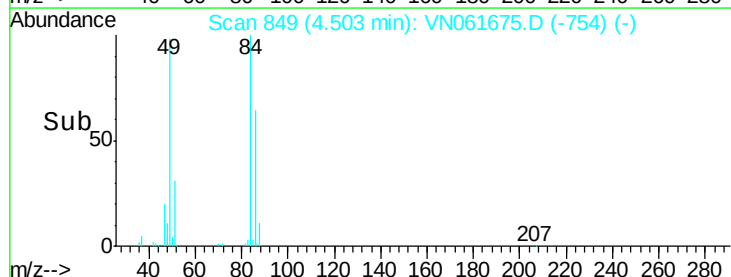
60000

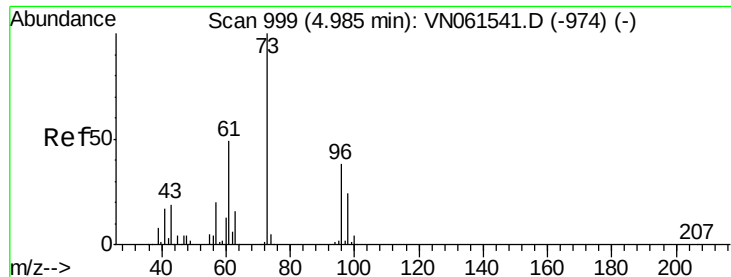
40000

20000

0

Time--> 4.40 4.50 4.60





#21

trans-1,2-Dichloroethene

Concen: 43.68 ug/l

RT: 4.99 min Scan# 999

Delta R.T. 0.00 min

Lab File: VN061675.D

Acq: 5 Jun 2020 17:27

Instrument :

MSVOA_N

ClientSampleId :

VE-4-11MSD

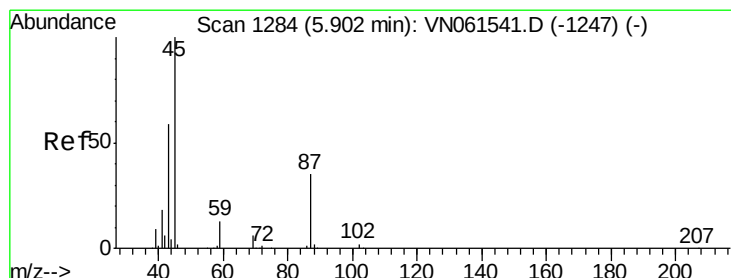
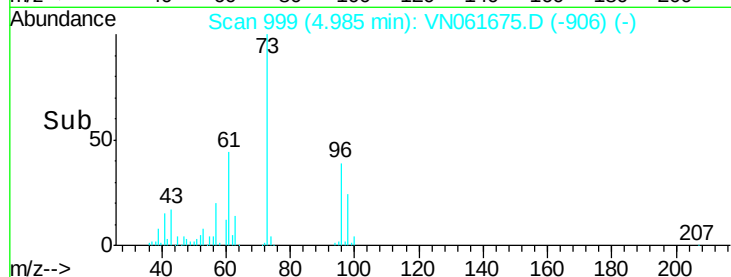
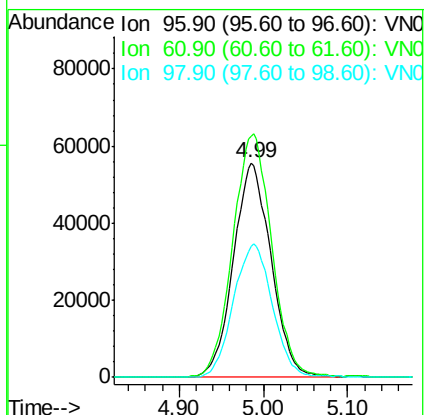
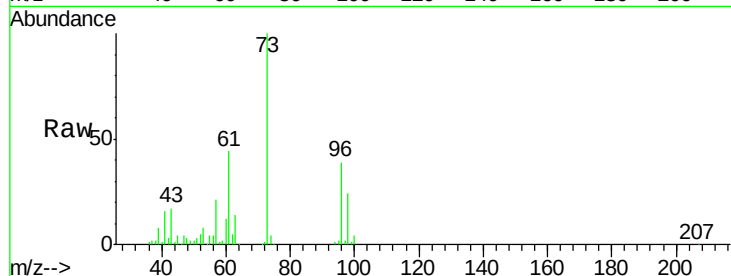
Tgt Ion: 96 Resp: 173063

Ion Ratio Lower Upper

96 100

61 112.3 101.4 152.0

98 61.1 50.6 76.0



#22

Diisopropyl ether

Concen: 43.67 ug/l

RT: 5.90 min Scan# 1284

Delta R.T. 0.00 min

Lab File: VN061675.D

Acq: 5 Jun 2020 17:27

Tgt Ion: 45 Resp: 442019

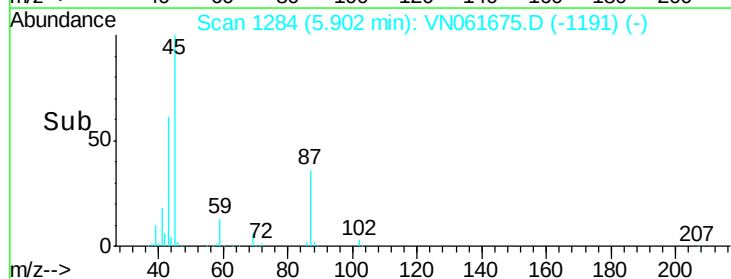
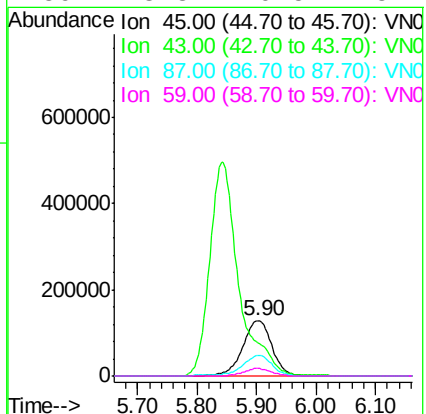
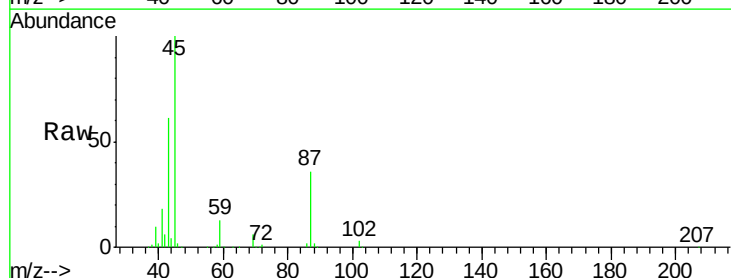
Ion Ratio Lower Upper

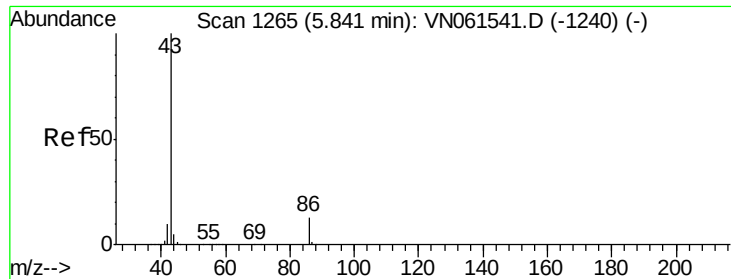
45 100

43 59.8 47.9 71.9

87 36.5 28.4 42.6

59 13.3 10.5 15.7

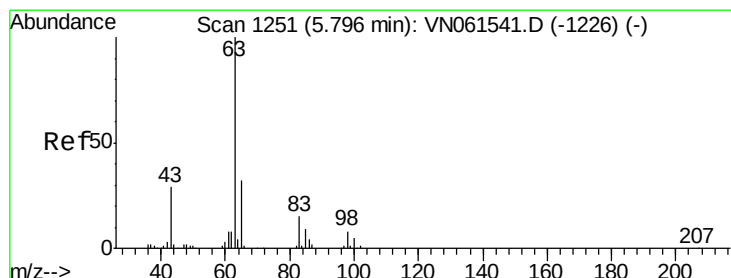
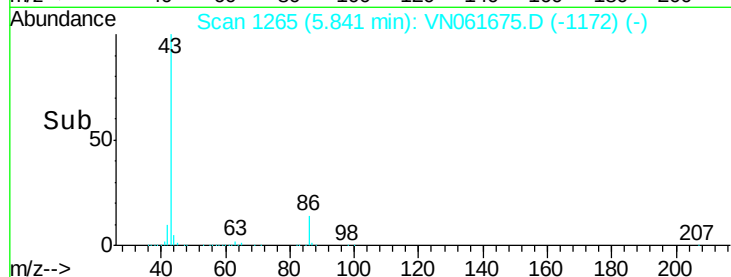
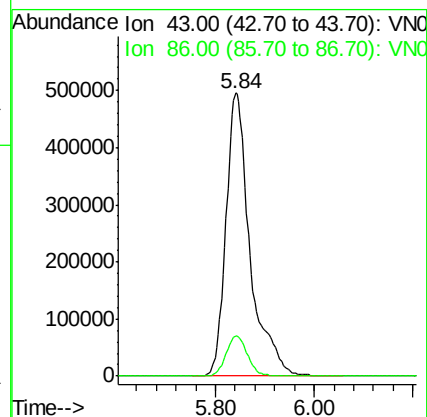
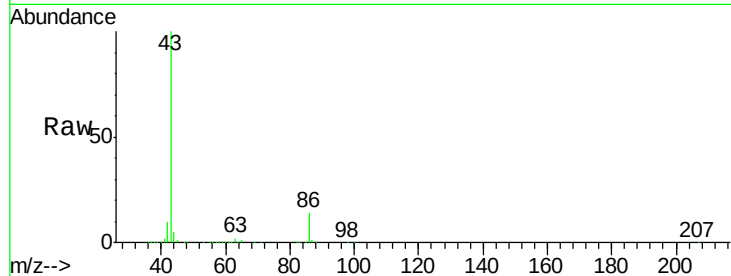




#23
 Vinyl Acetate
 Concen: 209.27 ug/l
 RT: 5.84 min Scan# 1265
 Delta R.T. 0.00 min
 Lab File: VN061675.D
 Acq: 5 Jun 2020 17:27

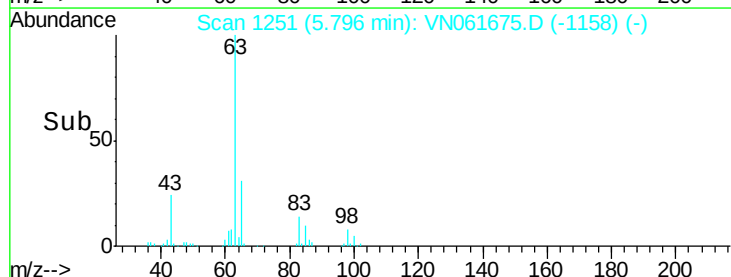
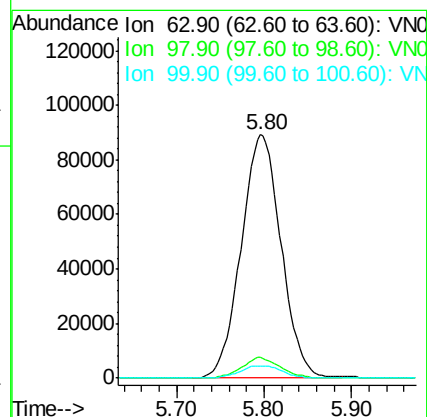
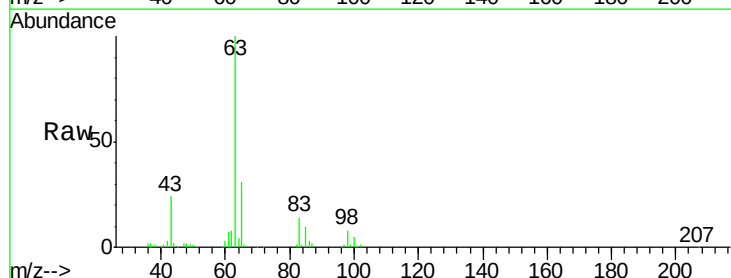
Instrument :
 MSVOA_N
 ClientSampled :
 VE-4-11MSD

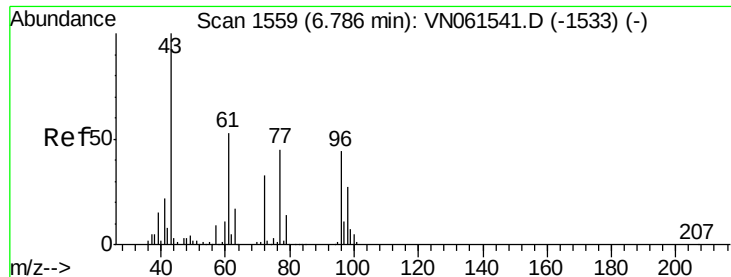
Tgt Ion: 43 Resp: 1688399
 Ion Ratio Lower Upper
 43 100
 86 14.0 10.6 16.0



#24
 1,1-Dichloroethane
 Concen: 43.92 ug/l
 RT: 5.80 min Scan# 1251
 Delta R.T. 0.00 min
 Lab File: VN061675.D
 Acq: 5 Jun 2020 17:27

Tgt Ion: 63 Resp: 281942
 Ion Ratio Lower Upper
 63 100
 98 8.5 3.8 11.4
 100 5.0 2.5 7.6





#25

2-Butanone

Concen: 227.31 ug/l

RT: 6.79 min Scan# 1559

Delta R.T. 0.00 min

Lab File: VN061675.D

Acq: 5 Jun 2020 17:27

Instrument :

MSVOA_N

ClientSampled :

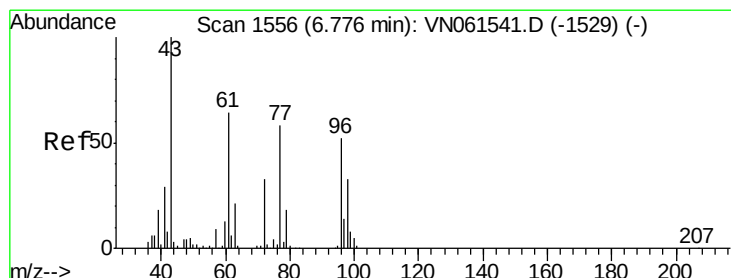
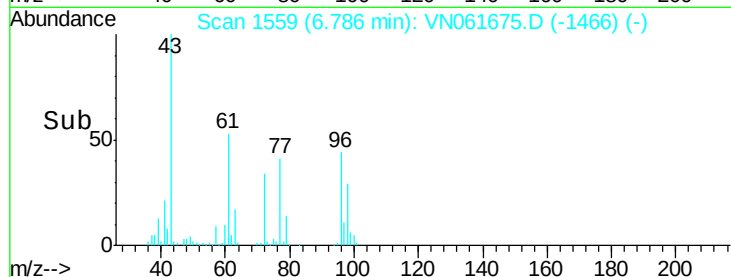
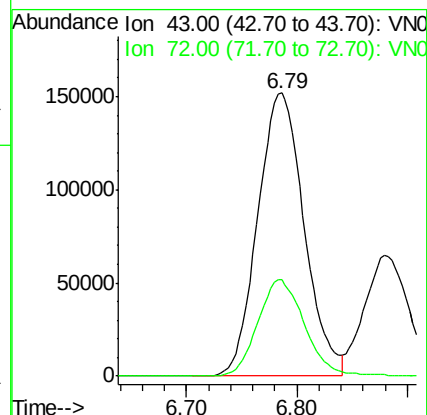
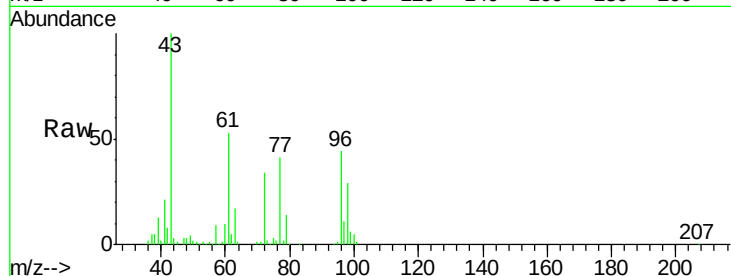
VE-4-11MSD

Tgt Ion: 43 Resp: 441269

Ion Ratio Lower Upper

43 100

72 33.9 26.0 39.0



#26

2,2-Dichloropropane

Concen: 40.06 ug/l

RT: 6.78 min Scan# 1556

Delta R.T. 0.00 min

Lab File: VN061675.D

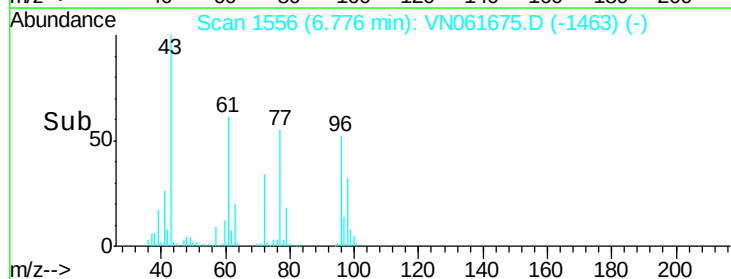
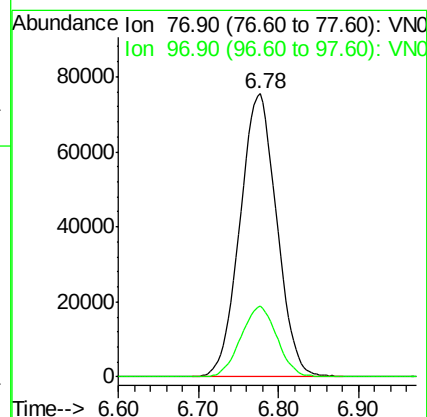
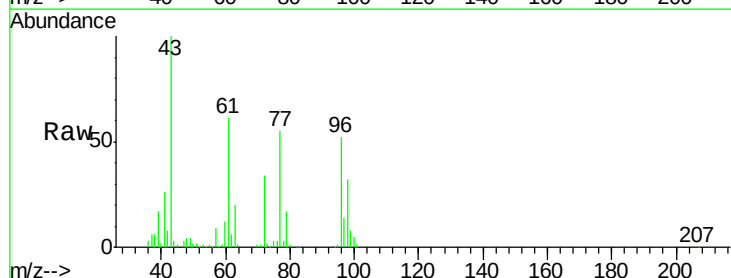
Acq: 5 Jun 2020 17:27

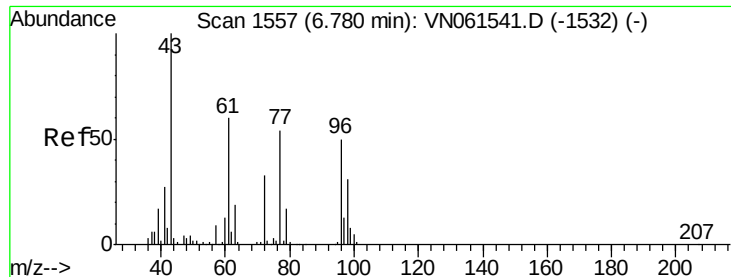
Tgt Ion: 77 Resp: 235333

Ion Ratio Lower Upper

77 100

97 24.6 12.0 36.0





#27

cis-1,2-Dichloroethene

Concen: 46.34 ug/l

RT: 6.78 min Scan# 1557

Delta R.T. 0.00 min

Lab File: VN061675.D

Acq: 5 Jun 2020 17:27

Instrument :

MSVOA_N

ClientSampled :

VE-4-11MSD

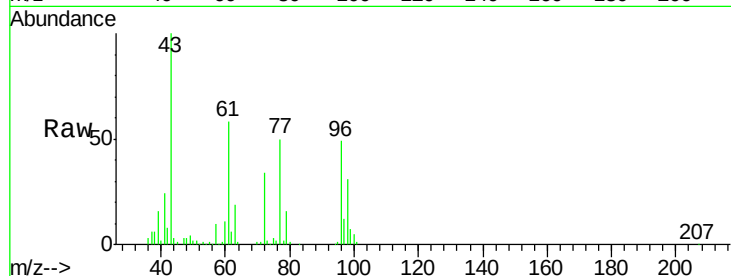
Tgt Ion: 96 Resp: 207901

Ion Ratio Lower Upper

96 100

61 120.3 0.0 252.2

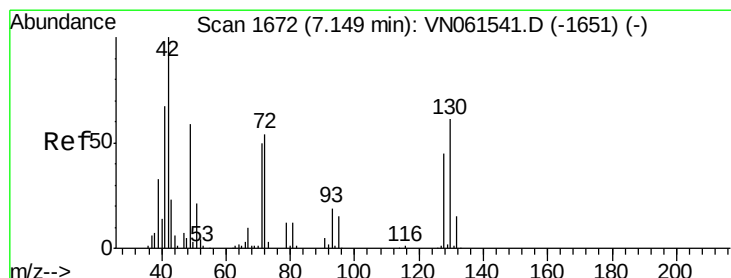
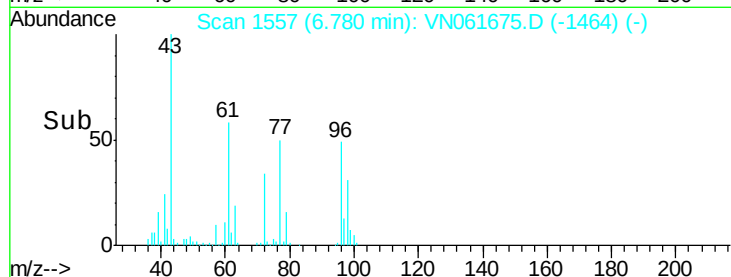
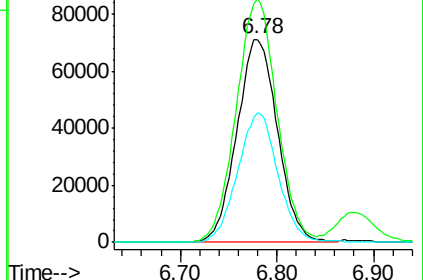
98 63.0 0.0 129.2



Abundance Ion 95.90 (95.60 to 96.60): VN061675.D (-1464) (-)

Ion 60.90 (60.60 to 61.60): VN061675.D (-1464) (-)

Ion 97.90 (97.60 to 98.60): VN061675.D (-1464) (-)



#28

Bromochloromethane

Concen: 47.74 ug/l

RT: 7.15 min Scan# 1672

Delta R.T. 0.00 min

Lab File: VN061675.D

Acq: 5 Jun 2020 17:27

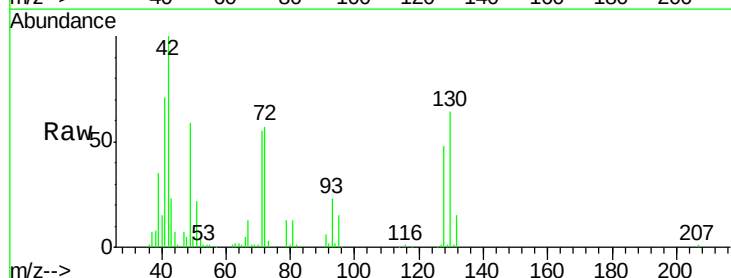
Tgt Ion: 49 Resp: 115202

Ion Ratio Lower Upper

49 100

129 1.4 0.0 4.8

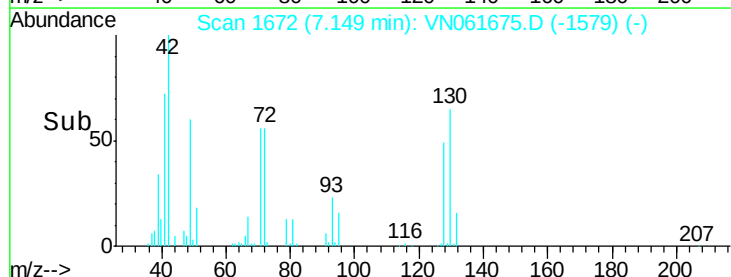
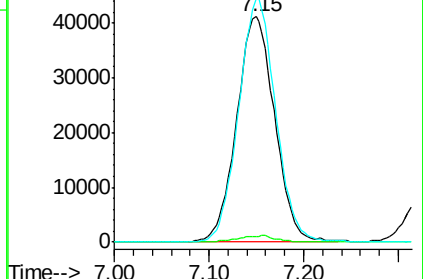
130 104.8 78.8 118.2

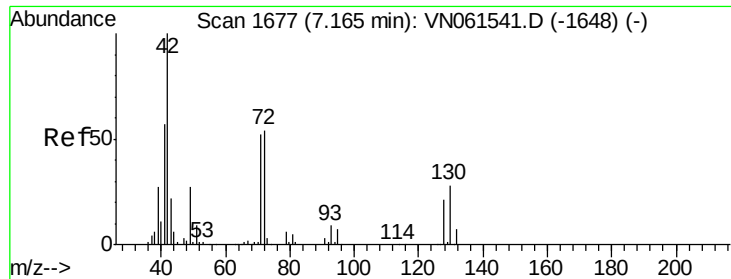


Abundance Ion 48.90 (48.60 to 49.60): VN061675.D (-1579) (-)

Ion 128.80 (128.50 to 129.50): VN061675.D (-1579) (-)

Ion 129.80 (129.50 to 130.50): VN061675.D (-1579) (-)

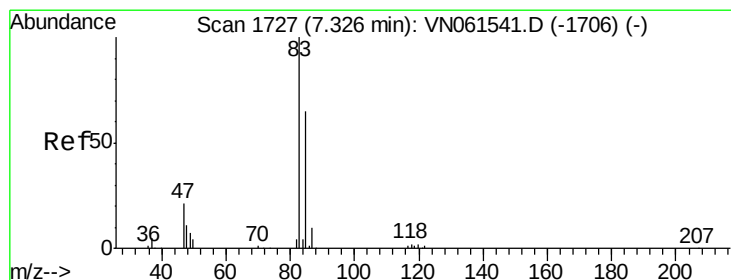
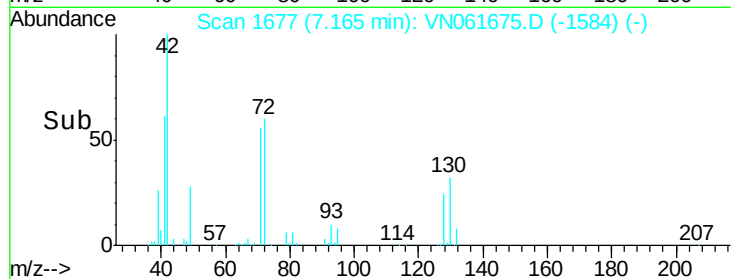
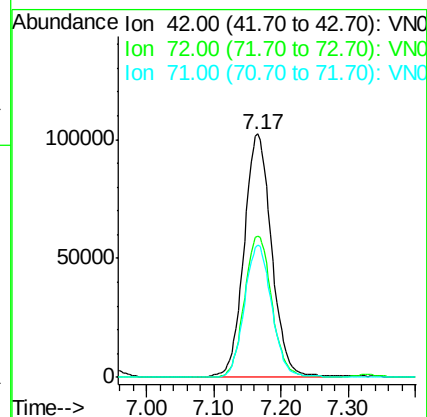
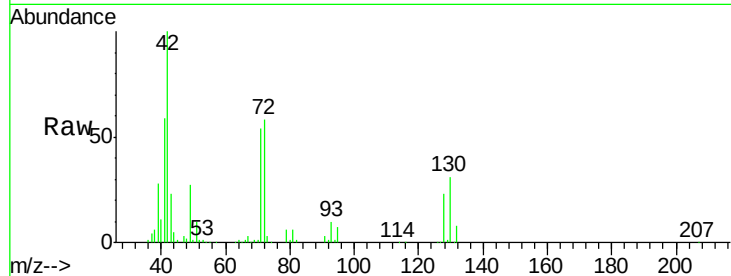




#29
Tetrahydrofuran
Concen: 228.30 ug/l
RT: 7.17 min Scan# 1677
Delta R.T. 0.00 min
Lab File: VN061675.D
Acq: 5 Jun 2020 17:27

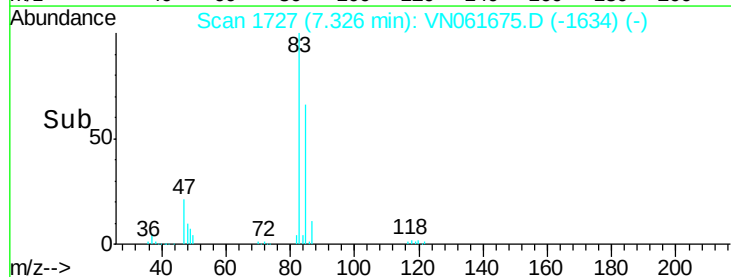
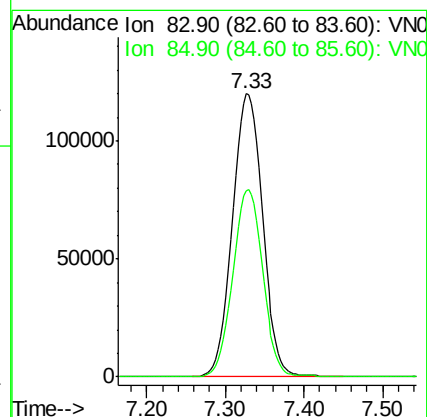
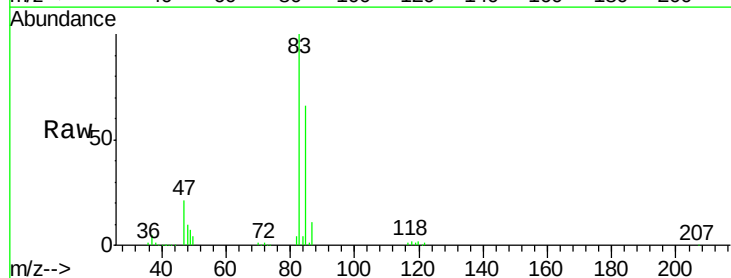
Instrument :
MSVOA_N
ClientSampled :
VE-4-11MSD

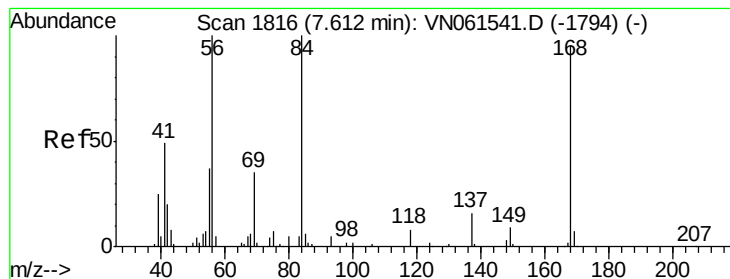
Tgt Ion: 42 Resp: 292247
Ion Ratio Lower Upper
42 100
72 57.5 43.6 65.4
71 53.6 41.2 61.8



#30
Chloroform
Concen: 45.17 ug/l
RT: 7.33 min Scan# 1727
Delta R.T. 0.00 min
Lab File: VN061675.D
Acq: 5 Jun 2020 17:27

Tgt Ion: 83 Resp: 320795
Ion Ratio Lower Upper
83 100
85 65.9 51.7 77.5





#31

Cyclohexane

Concen: 40.38 ug/l

RT: 7.61 min Scan# 1816

Delta R.T. 0.00 min

Lab File: VN061675.D

Acq: 5 Jun 2020 17:27

Instrument :

MSVOA_N

ClientSampled :

VE-4-11MSD

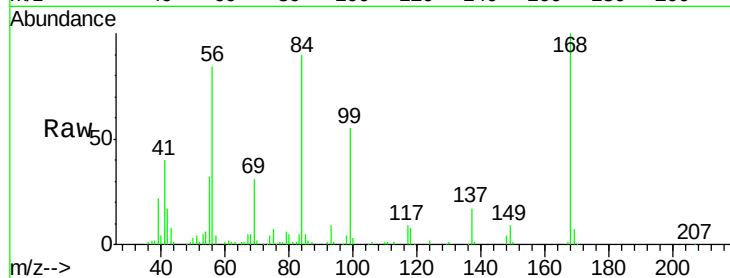
Tgt Ion: 56 Resp: 233127

Ion Ratio Lower Upper

56 100

69 37.0 27.8 41.8

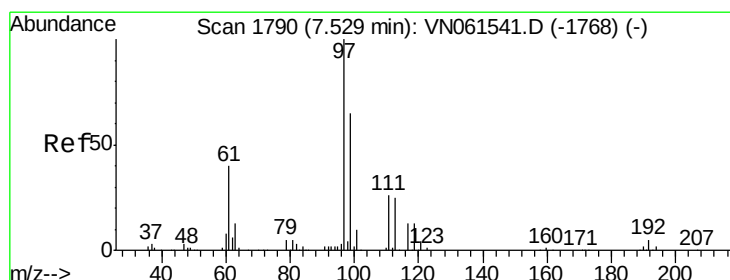
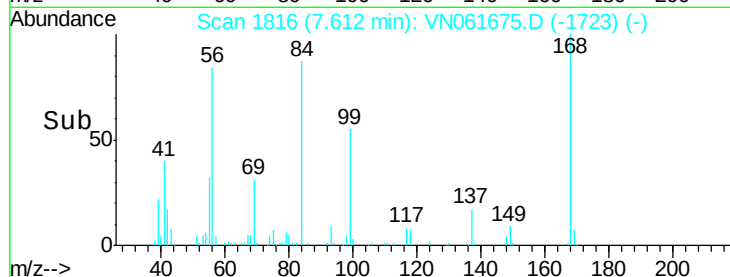
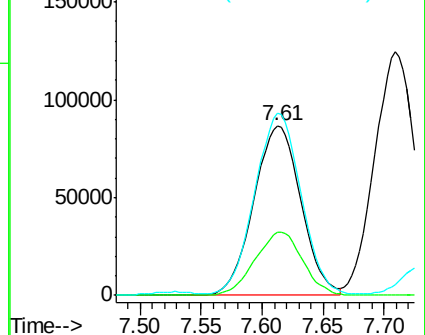
84 106.4 79.9 119.9



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 84.00 (83.70 to 84.70): VN0



#32

1,1,1-Trichloroethane

Concen: 44.72 ug/l

RT: 7.53 min Scan# 1790

Delta R.T. 0.00 min

Lab File: VN061675.D

Acq: 5 Jun 2020 17:27

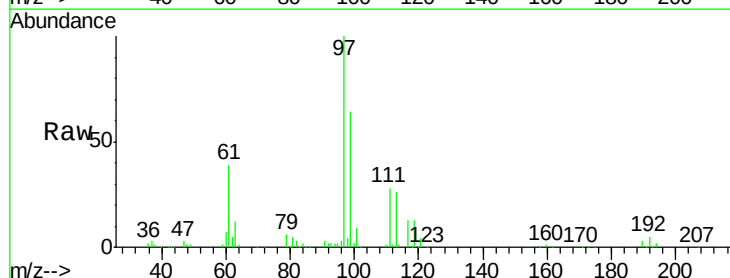
Tgt Ion: 97 Resp: 289373

Ion Ratio Lower Upper

97 100

99 0.0 51.4 77.0#

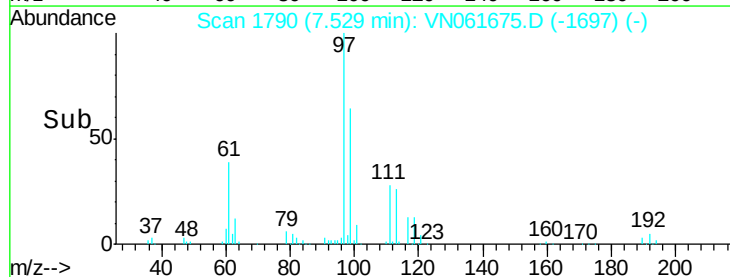
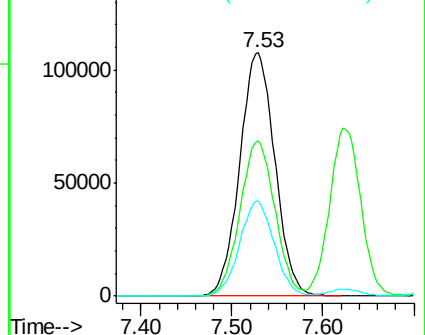
61 38.5 31.4 47.0

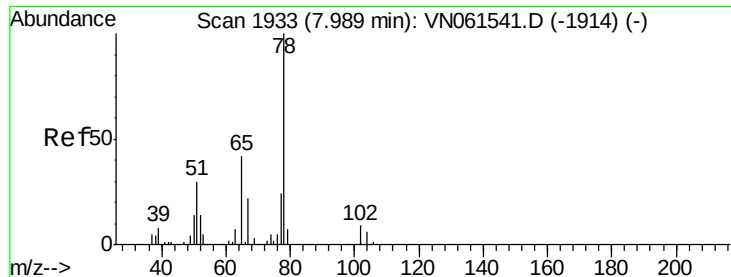


Abundance Ion 96.90 (96.60 to 97.60): VN0

Ion 98.90 (98.60 to 99.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

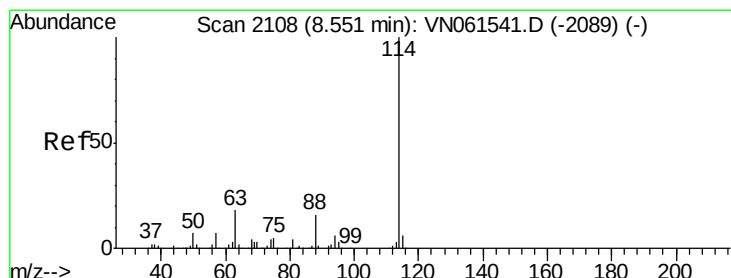
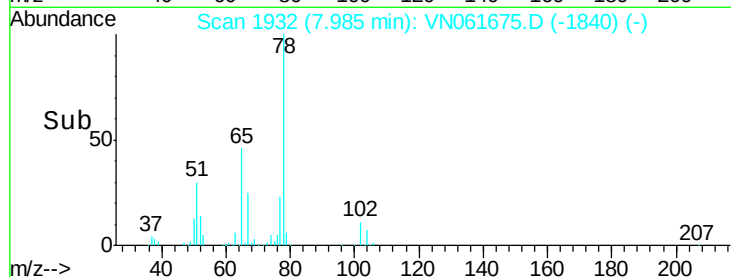
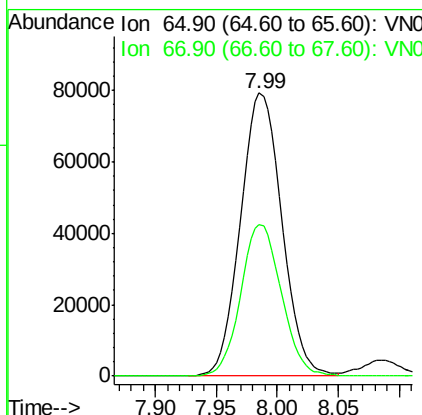
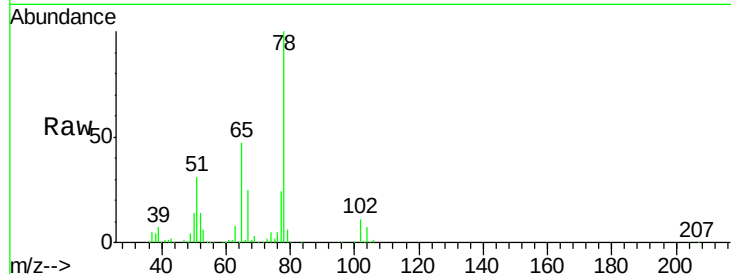




#33
 1,2-Dichloroethane-d4
 Concen: 45.50 ug/l
 RT: 7.99 min Scan# 1932
 Delta R.T. -0.00 min
 Lab File: VN061675.D
 Acq: 5 Jun 2020 17:27

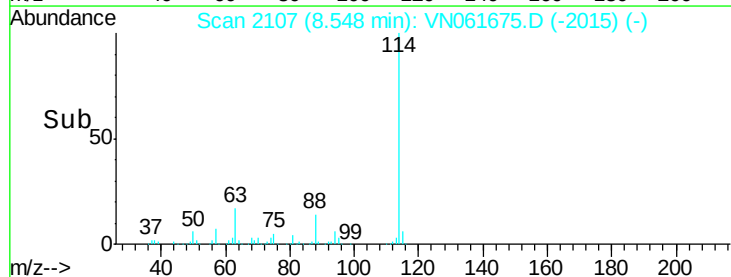
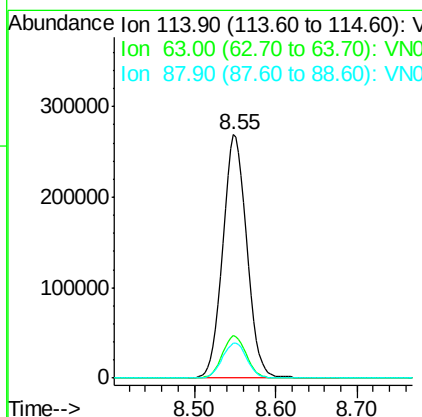
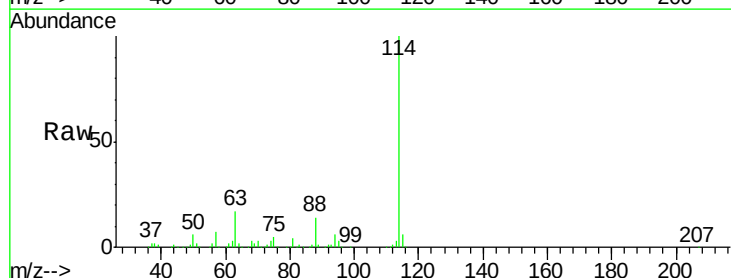
Instrument :
 MSVOA_N
 ClientSampleId :
 VE-4-11MSD

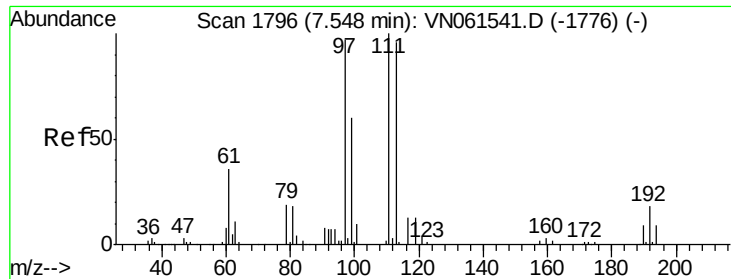
Tgt Ion: 65 Resp: 186367
 Ion Ratio Lower Upper
 65 100
 67 52.5 0.0 104.8



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.55 min Scan# 2107
 Delta R.T. -0.00 min
 Lab File: VN061675.D
 Acq: 5 Jun 2020 17:27

Tgt Ion: 114 Resp: 562458
 Ion Ratio Lower Upper
 114 100
 63 17.4 0.0 35.8
 88 14.2 0.0 31.0

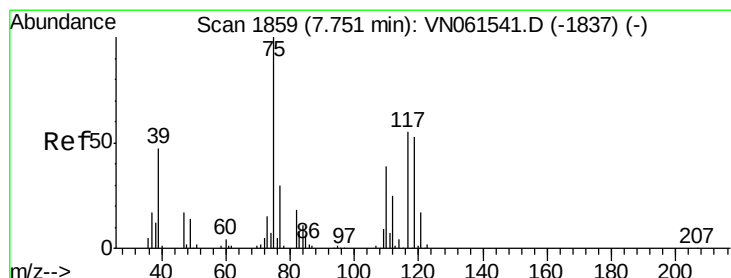
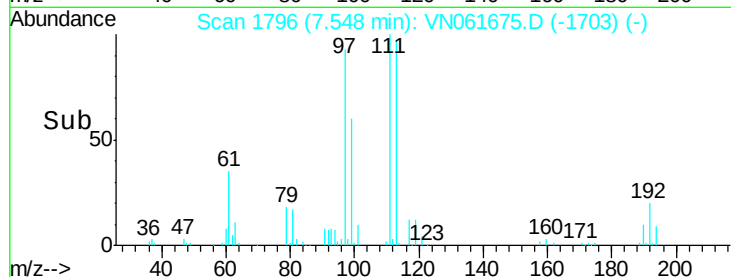
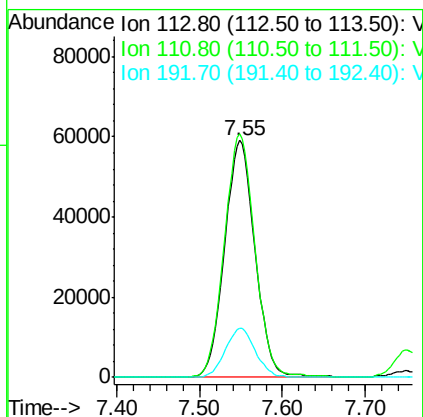
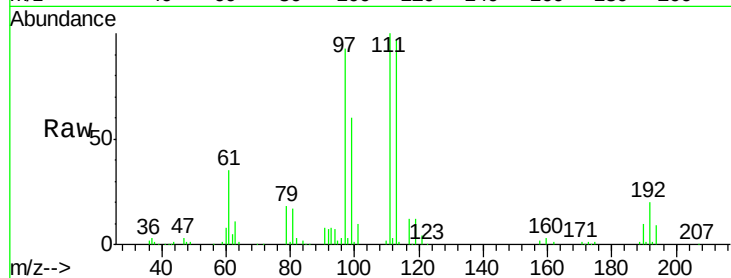




#35
 Dibromofluoromethane
 Concen: 52.62 ug/l
 RT: 7.55 min Scan# 1796
 Delta R.T. 0.00 min
 Lab File: VN061675.D
 Acq: 5 Jun 2020 17:27

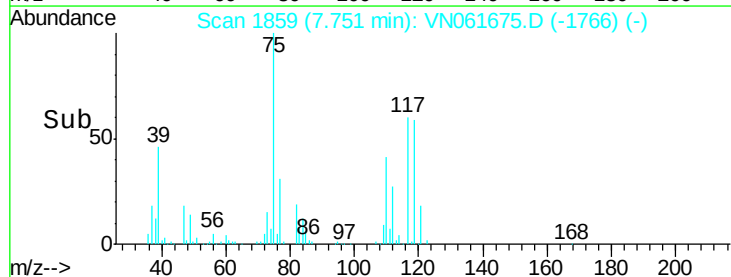
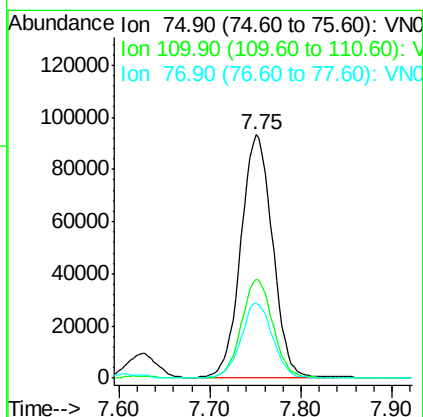
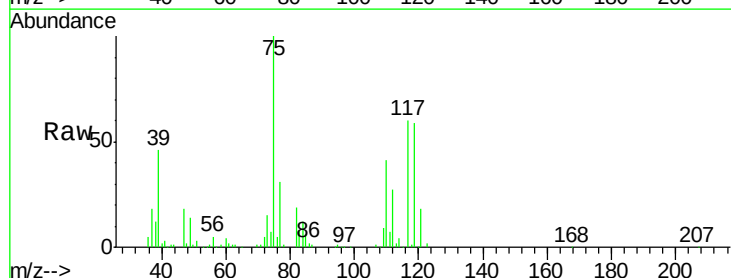
Instrument :
 MSVOA_N
 ClientSampleId :
 VE-4-11MSD

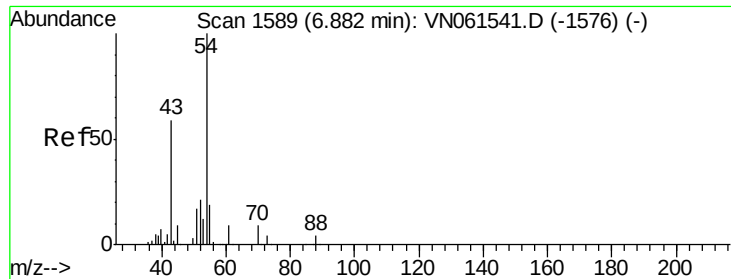
Tgt Ion: 113 Resp: 150129
 Ion Ratio Lower Upper
 113 100
 111 103.1 83.4 125.0
 192 20.5 15.4 23.2



#36
 1,1-Dichloropropene
 Concen: 45.16 ug/l
 RT: 7.75 min Scan# 1859
 Delta R.T. 0.00 min
 Lab File: VN061675.D
 Acq: 5 Jun 2020 17:27

Tgt Ion: 75 Resp: 224848
 Ion Ratio Lower Upper
 75 100
 110 40.4 19.5 58.5
 77 31.2 24.7 37.1

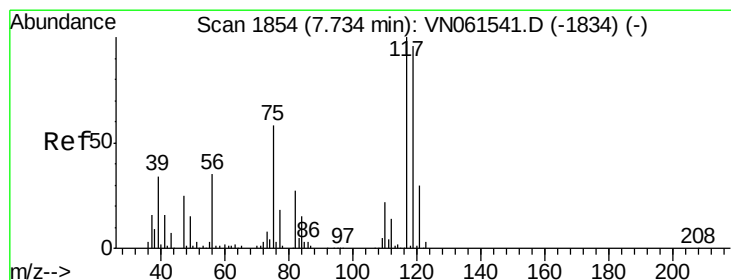
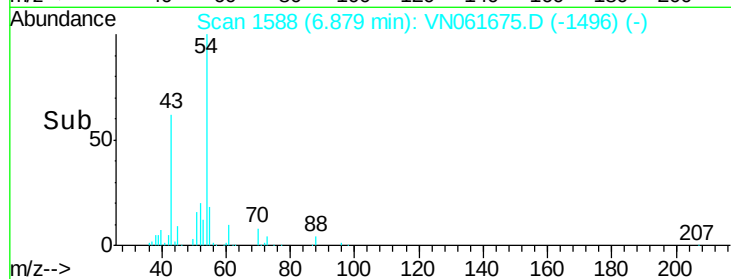
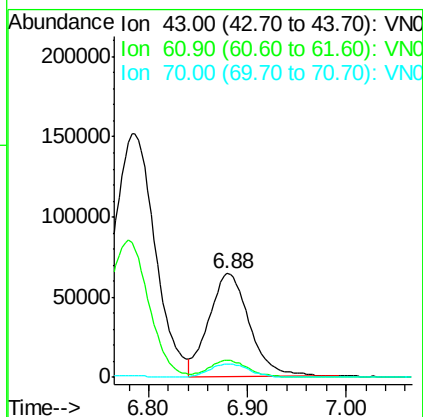
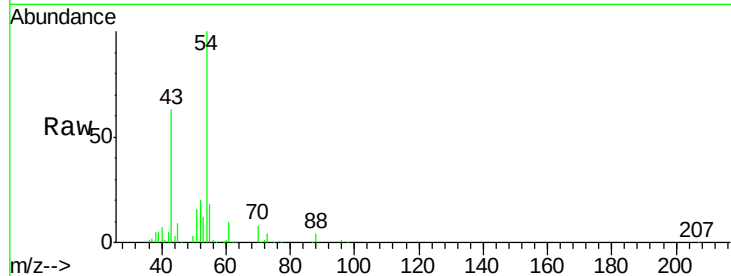




#37
 Ethyl Acetate
 Concen: 45.85 ug/l
 RT: 6.88 min Scan# 1588
 Delta R.T. -0.00 min
 Lab File: VN061675.D
 Acq: 5 Jun 2020 17:27

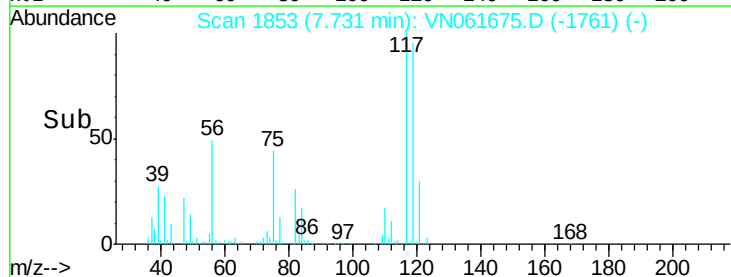
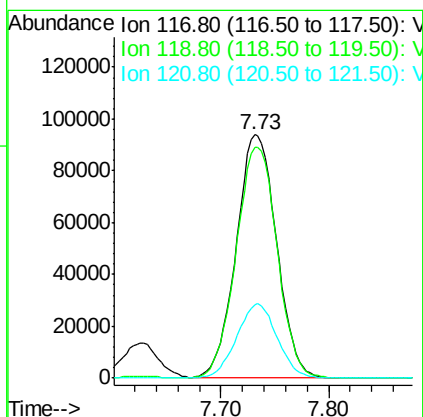
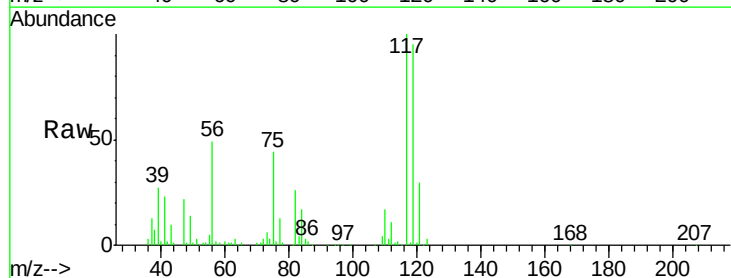
Instrument :
 MSVOA_N
 ClientSampleId :
 VE-4-11MSD

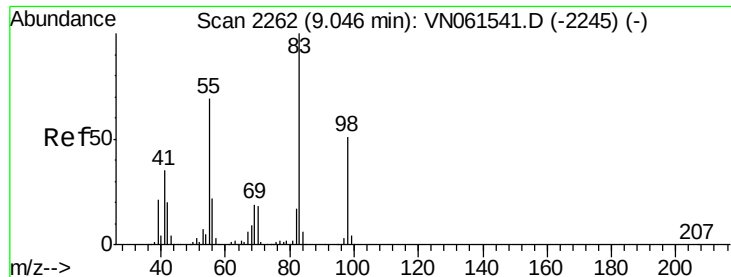
Tgt Ion: 43 Resp: 183890
 Ion Ratio Lower Upper
 43 100
 61 15.7 12.2 18.4
 70 13.1 9.4 14.2



#38
 Carbon Tetrachloride
 Concen: 50.65 ug/l
 RT: 7.73 min Scan# 1853
 Delta R.T. -0.00 min
 Lab File: VN061675.D
 Acq: 5 Jun 2020 17:27

Tgt Ion: 117 Resp: 243241
 Ion Ratio Lower Upper
 117 100
 119 94.7 76.5 114.7
 121 30.3 24.1 36.1

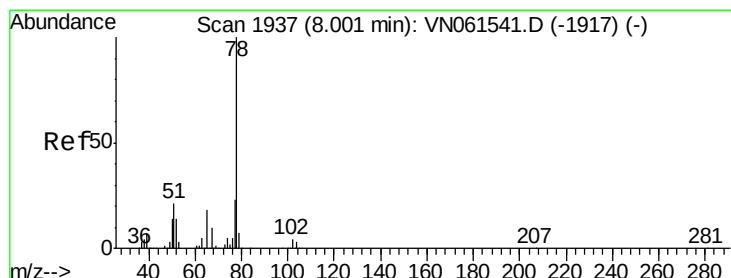
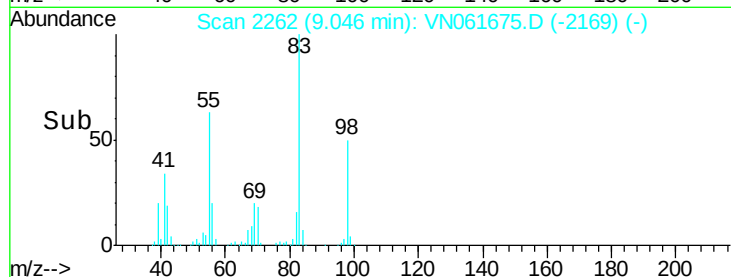
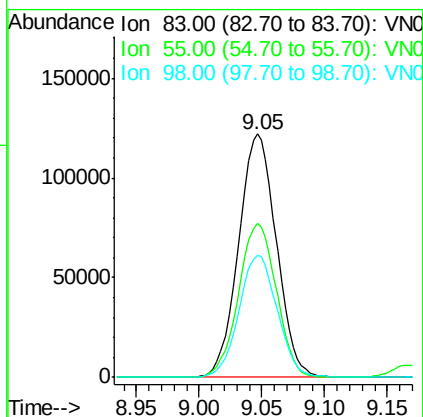
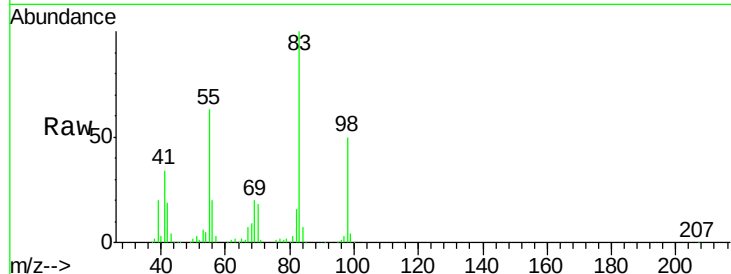




#39
Methylcyclohexane
Concen: 41.59 ug/l
RT: 9.05 min Scan# 2262
Delta R.T. 0.00 min
Lab File: VN061675.D
Acq: 5 Jun 2020 17:27

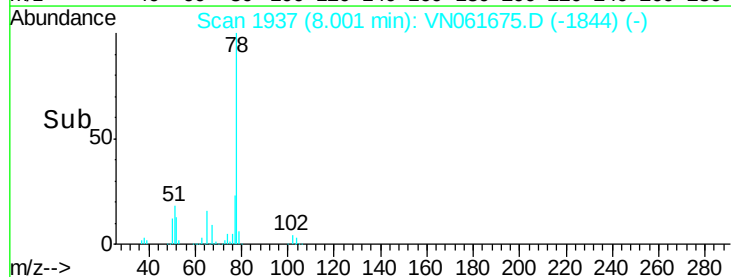
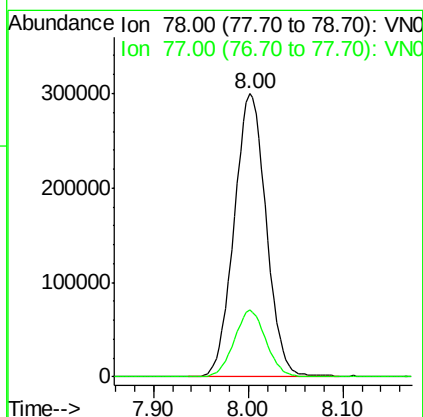
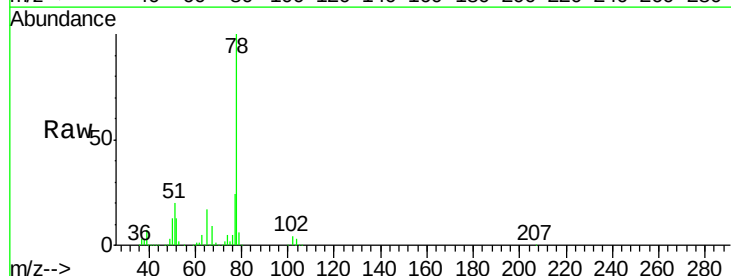
Instrument :
MSVOA_N
ClientSampleId :
VE-4-11MSD

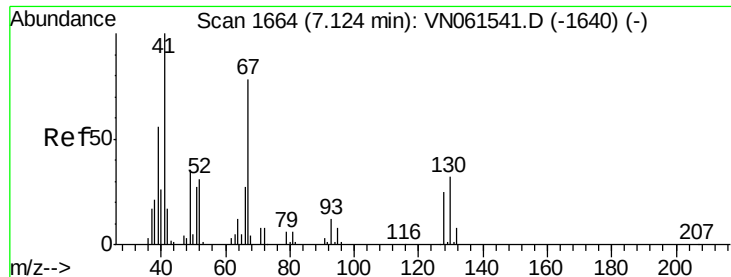
Tgt Ion: 83 Resp: 255239
Ion Ratio Lower Upper
83 100
55 63.0 54.9 82.3
98 50.4 41.0 61.4



#40
Benzene
Concen: 46.05 ug/l
RT: 8.00 min Scan# 1937
Delta R.T. 0.00 min
Lab File: VN061675.D
Acq: 5 Jun 2020 17:27

Tgt Ion: 78 Resp: 707542
Ion Ratio Lower Upper
78 100
77 23.6 18.6 28.0

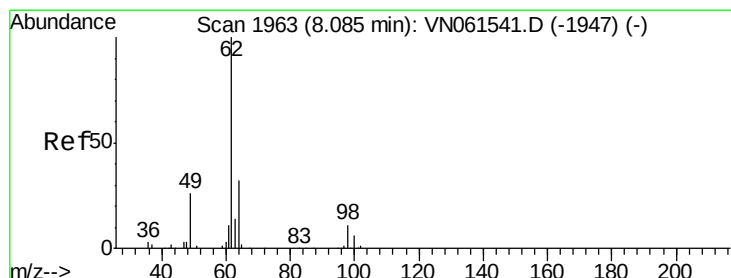
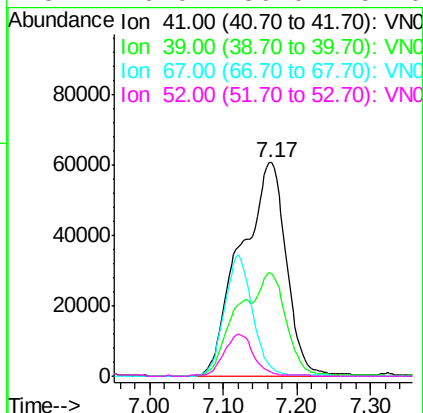
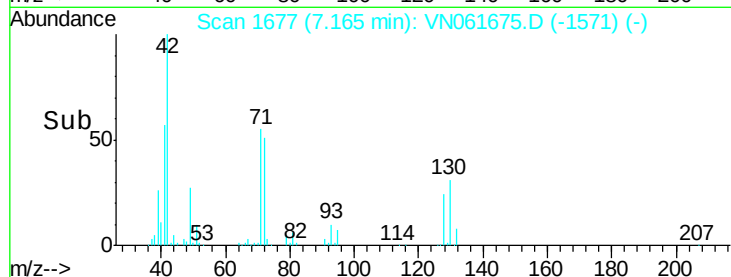
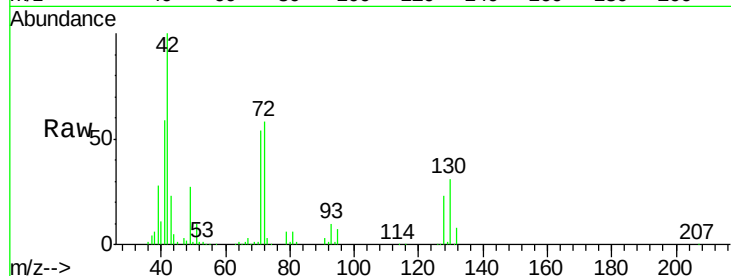




#41
Methacrylonitrile
Concen: 142.48 ug/l
RT: 7.17 min Scan# 1677
Delta R.T. 0.04 min
Lab File: VN061675.D
Acq: 5 Jun 2020 17:27

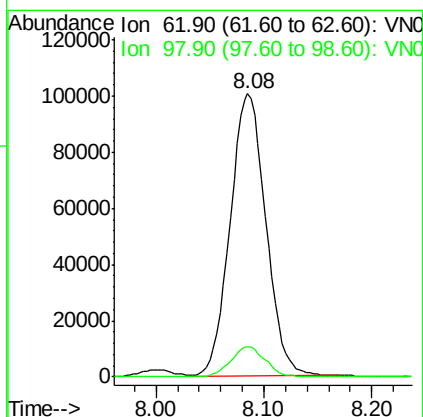
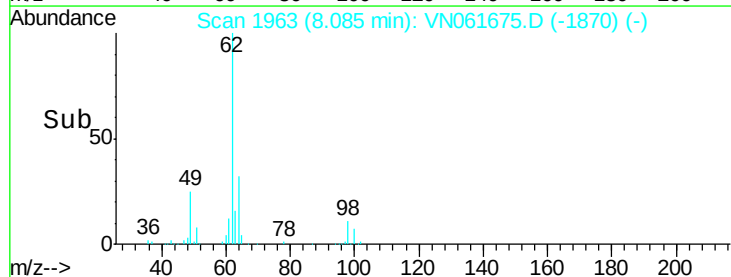
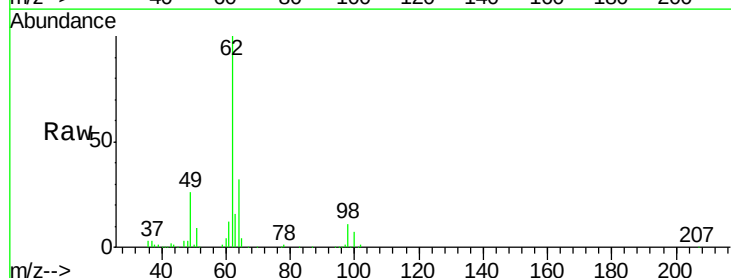
Instrument :
MSVOA_N
ClientSampleId :
VE-4-11MSD

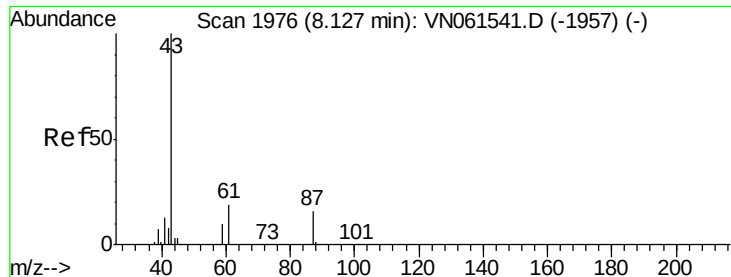
Tgt Ion: 41 Resp: 261794
Ion Ratio Lower Upper
41 100
39 0.0 53.8 80.6#
67 0.0 91.1 136.7#
52 0.0 36.0 54.0#



#42
1,2-Dichloroethane
Concen: 45.09 ug/l
RT: 8.08 min Scan# 1963
Delta R.T. 0.00 min
Lab File: VN061675.D
Acq: 5 Jun 2020 17:27

Tgt Ion: 62 Resp: 231917
Ion Ratio Lower Upper
62 100
98 10.4 0.0 21.4

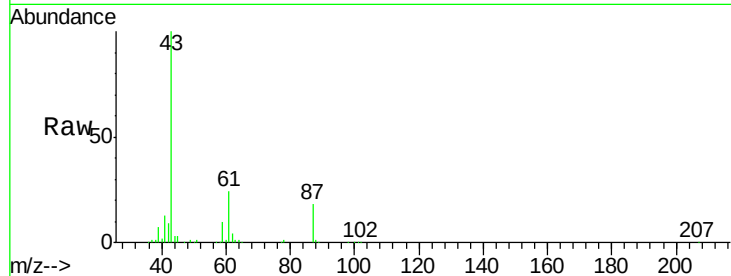




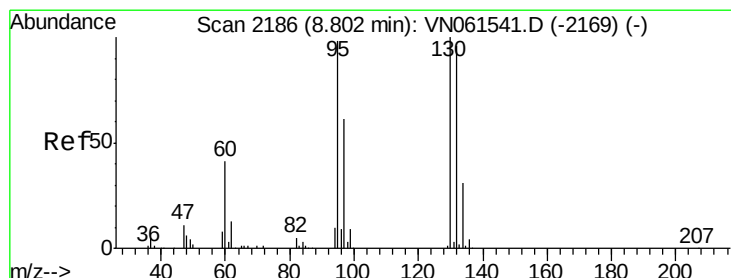
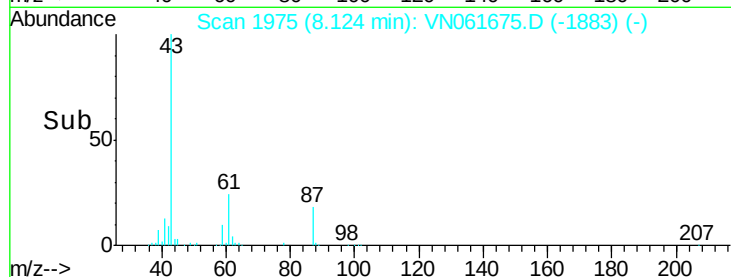
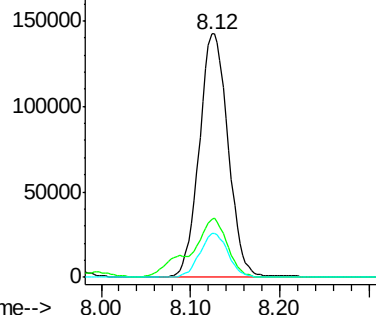
#43
Isopropyl Acetate
Concen: 44.16 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. -0.00 min
Lab File: VN061675.D
Acq: 5 Jun 2020 17:27

Instrument :
MSVOA_N
ClientSampleId :
VE-4-11MSD

Tgt Ion: 43 Resp: 318596
Ion Ratio Lower Upper
43 100
61 30.6 23.6 35.4
87 17.8 13.0 19.6

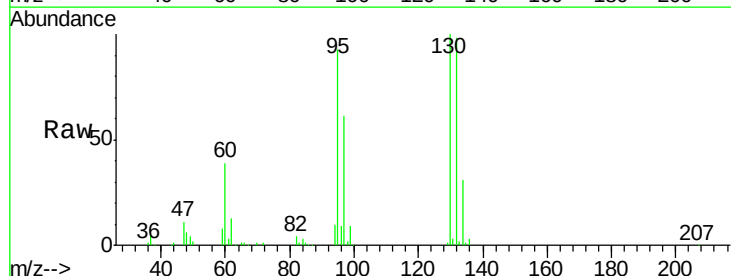


Abundance Ion 43.00 (42.70 to 43.70): VN0
Ion 61.00 (60.70 to 61.70): VN0
Ion 87.00 (86.70 to 87.70): VN0

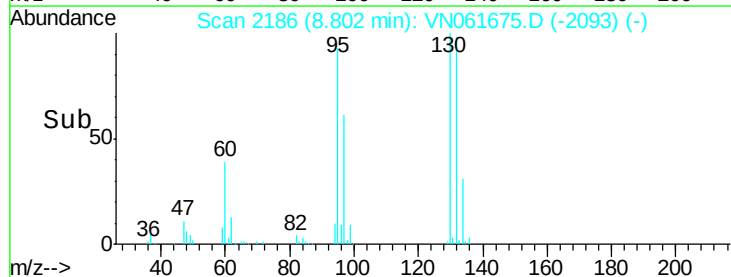
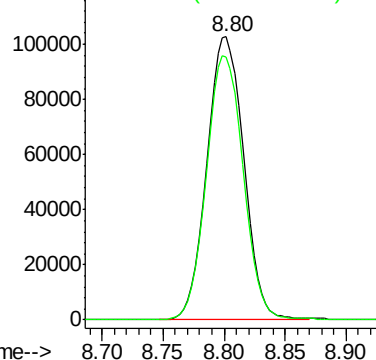


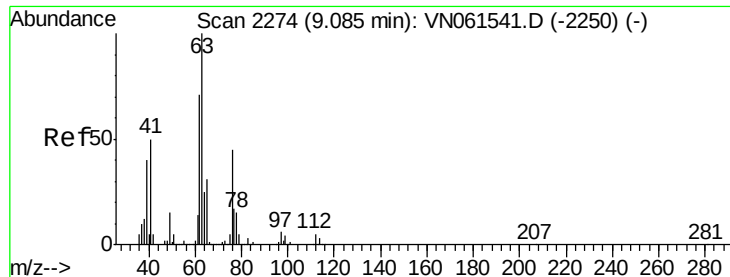
#44
Trichloroethene
Concen: 45.61 ug/l
RT: 8.80 min Scan# 2186
Delta R.T. 0.00 min
Lab File: VN061675.D
Acq: 5 Jun 2020 17:27

Tgt Ion:130 Resp: 215366
Ion Ratio Lower Upper
130 100
95 93.0 0.0 196.6



Abundance Ion 129.80 (129.50 to 130.50): V
Ion 94.90 (94.60 to 95.60): VN0

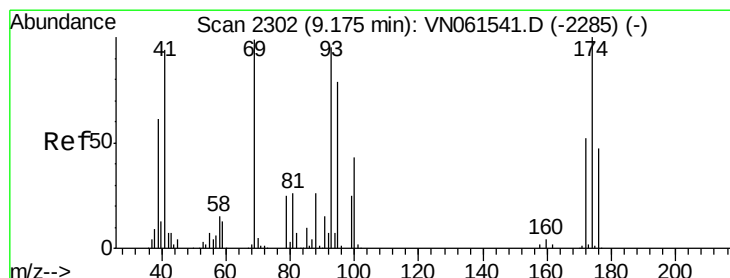
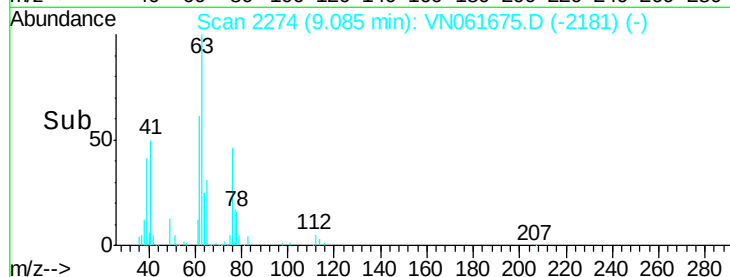
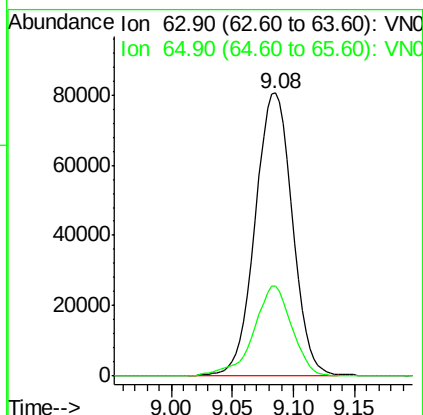
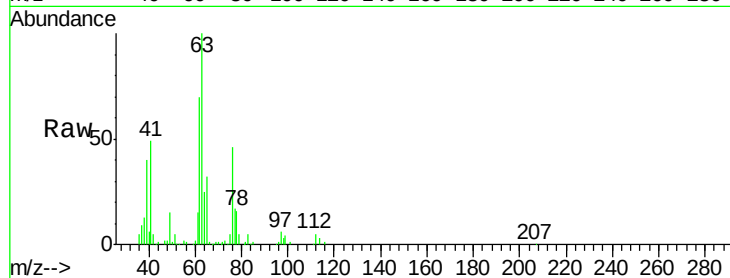




#45
 1,2-Dichloropropane
 Concen: 46.76 ug/l
 RT: 9.08 min Scan# 2274
 Delta R.T. 0.00 min
 Lab File: VN061675.D
 Acq: 5 Jun 2020 17:27

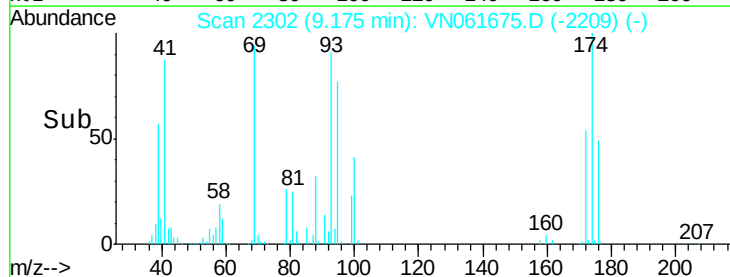
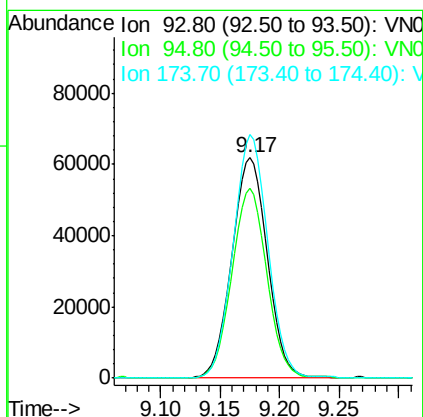
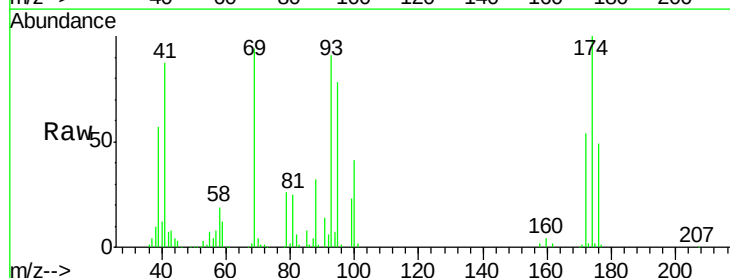
Instrument :
 MSVOA_N
 ClientSampled :
 VE-4-11MSD

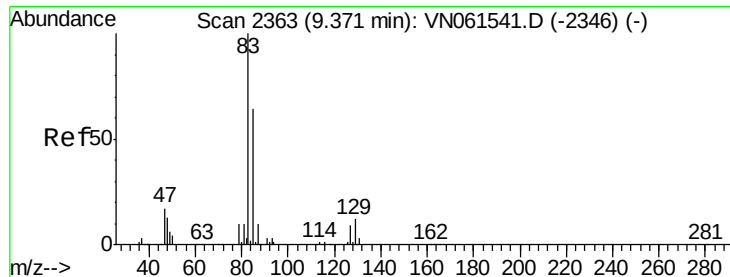
Tgt Ion: 63 Resp: 170591
 Ion Ratio Lower Upper
 63 100
 65 31.9 24.7 37.1



#46
 Dibromomethane
 Concen: 45.95 ug/l
 RT: 9.17 min Scan# 2302
 Delta R.T. 0.00 min
 Lab File: VN061675.D
 Acq: 5 Jun 2020 17:27

Tgt Ion: 93 Resp: 128555
 Ion Ratio Lower Upper
 93 100
 95 84.7 66.0 99.0
 174 108.0 82.5 123.7





#47

Bromodichloromethane

Concen: 46.25 ug/l

RT: 9.37 min Scan# 2363

Delta R.T. 0.00 min

Lab File: VN061675.D

Acq: 5 Jun 2020 17:27

Instrument :

MSVOA_N

ClientSampleId :

VE-4-11MSD

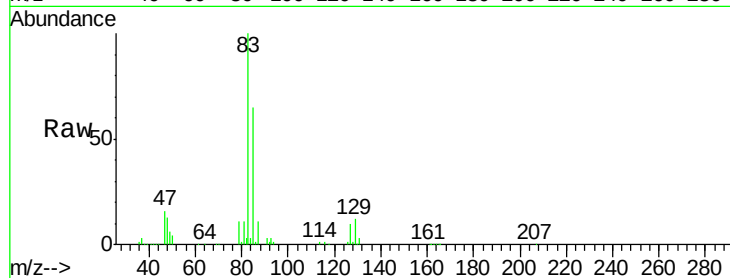
Tgt Ion: 83 Resp: 256361

Ion Ratio Lower Upper

83 100

85 64.6 51.1 76.7

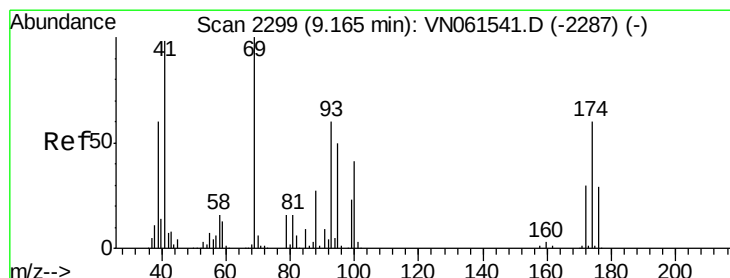
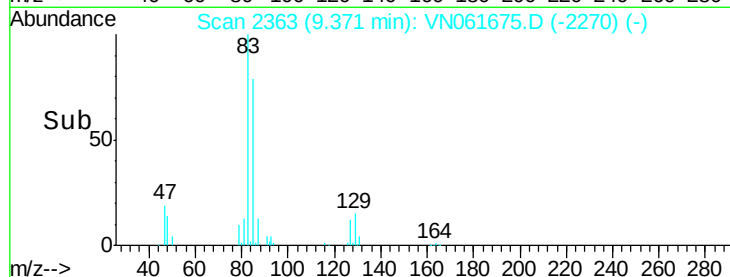
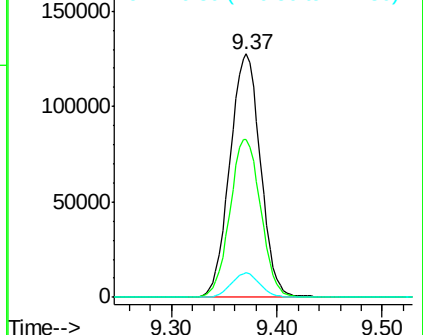
127 10.1 7.2 10.8



Abundance Ion 82.90 (82.60 to 83.60): VN061675.D (-2270) (-)

Ion 84.90 (84.60 to 85.60): VN061675.D (-2270) (-)

Ion 126.80 (126.50 to 127.50): VN061675.D (-2270) (-)



#48

Methyl methacrylate

Concen: 43.07 ug/l

RT: 9.17 min Scan# 2299

Delta R.T. 0.00 min

Lab File: VN061675.D

Acq: 5 Jun 2020 17:27

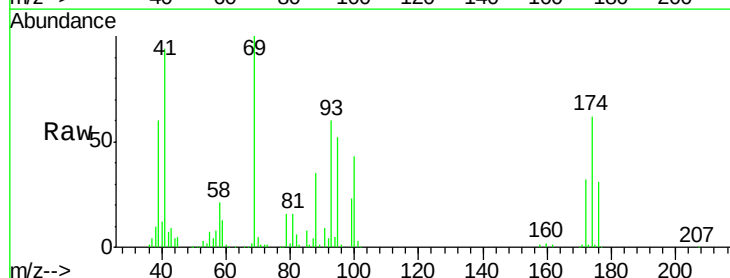
Tgt Ion: 41 Resp: 139815

Ion Ratio Lower Upper

41 100

69 110.2 83.9 125.9

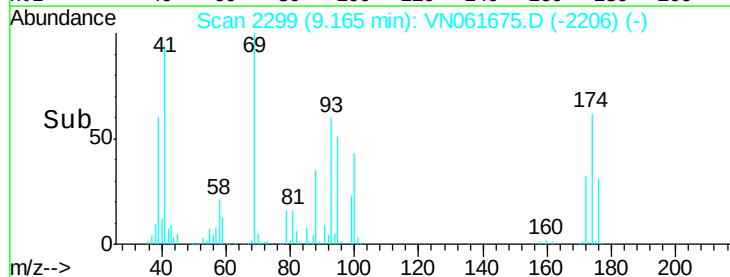
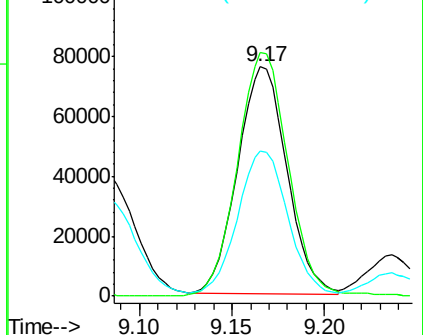
39 65.6 52.1 78.1

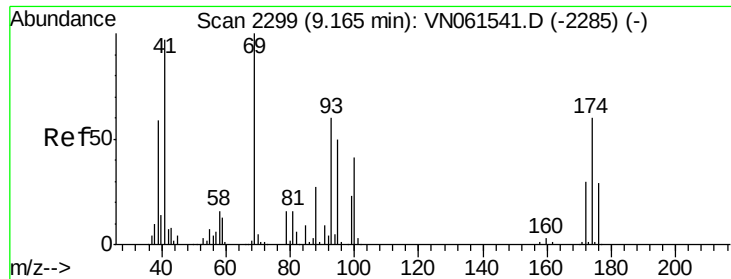


Abundance Ion 41.00 (40.70 to 41.70): VN061675.D (-2206) (-)

Ion 69.00 (68.70 to 69.70): VN061675.D (-2206) (-)

Ion 39.00 (38.70 to 39.70): VN061675.D (-2206) (-)

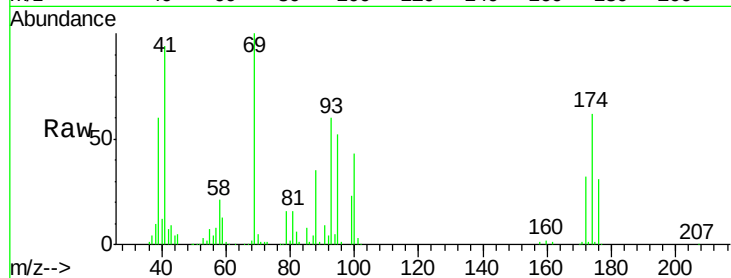




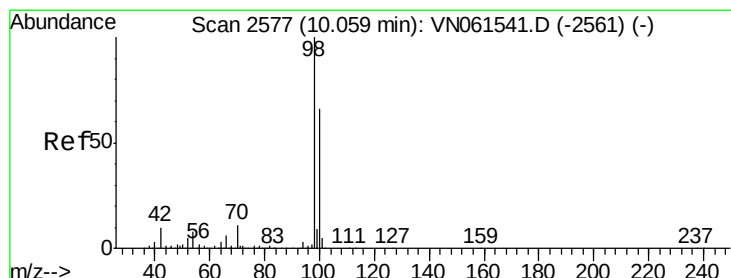
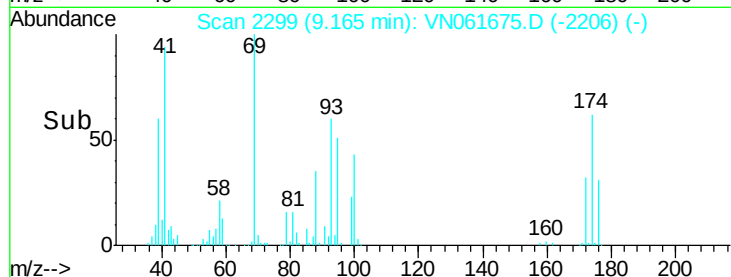
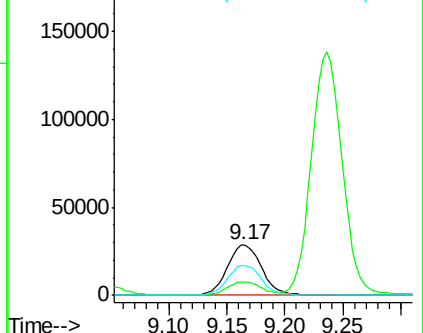
#49
 1,4-Dioxane
 Concen: 1175.77 ug/l
 RT: 9.17 min Scan# 2299
 Delta R.T. 0.00 min
 Lab File: VN061675.D
 Acq: 5 Jun 2020 17:27

Instrument :
 MSVOA_N
 ClientSampleId :
 VE-4-11MSD

Tgt Ion: 88 Resp: 59129
 Ion Ratio Lower Upper
 88 100
 43 27.1 23.1 34.7
 58 58.5 48.3 72.5

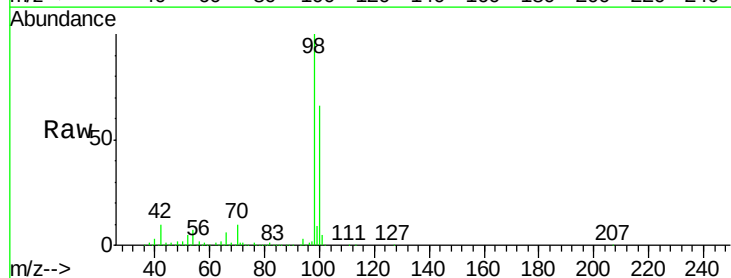


Abundance Ion 88.00 (87.70 to 88.70): VN0
 Ion 43.00 (42.70 to 43.70): VN0
 Ion 58.00 (57.70 to 58.70): VN0

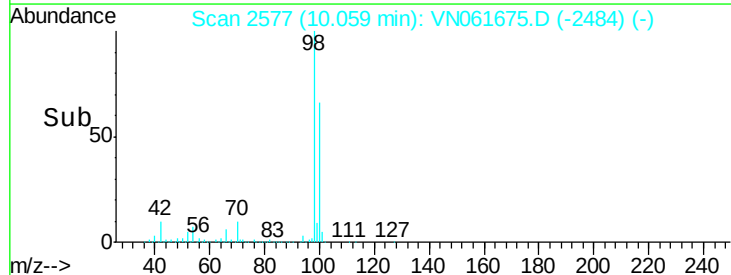
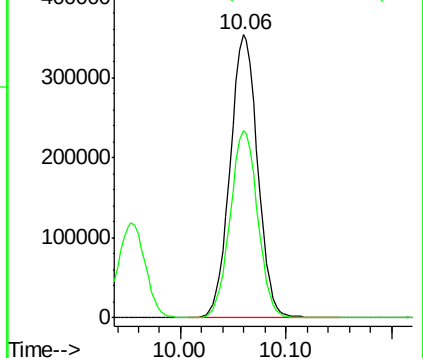


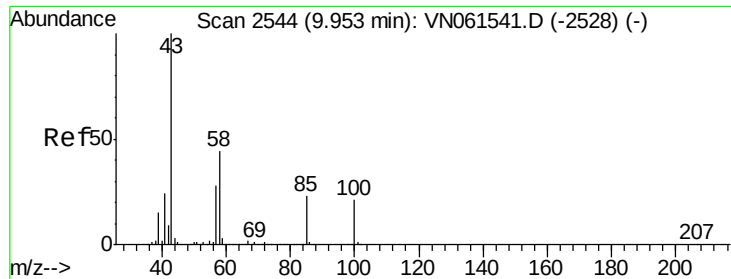
#50
 Toluene-d8
 Concen: 48.26 ug/l
 RT: 10.06 min Scan# 2577
 Delta R.T. 0.00 min
 Lab File: VN061675.D
 Acq: 5 Jun 2020 17:27

Tgt Ion: 98 Resp: 638172
 Ion Ratio Lower Upper
 98 100
 100 66.3 52.8 79.2



Abundance Ion 98.00 (97.70 to 98.70): VN0
 Ion 100.00 (99.70 to 100.70): VN0

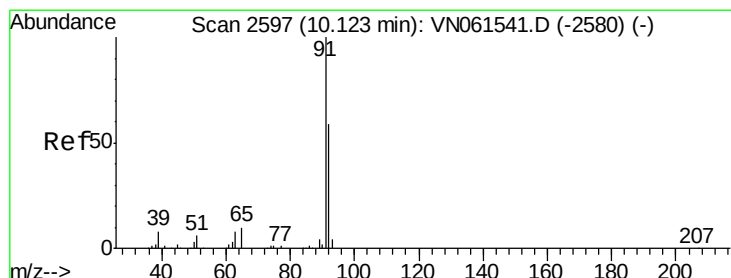
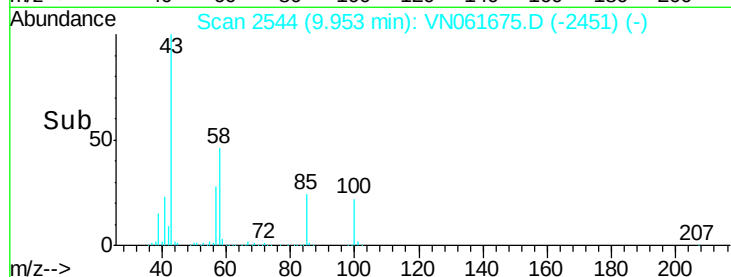
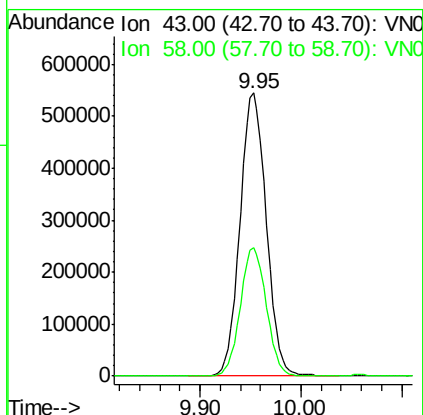
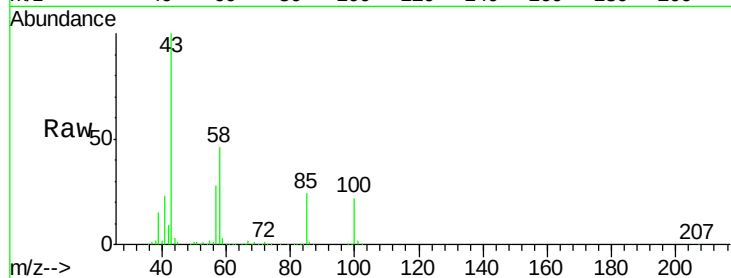




#51
 4-Methyl-2-Pentanone
 Concen: 240.58 ug/l
 RT: 9.95 min Scan# 2544
 Delta R.T. 0.00 min
 Lab File: VN061675.D
 Acq: 5 Jun 2020 17:27

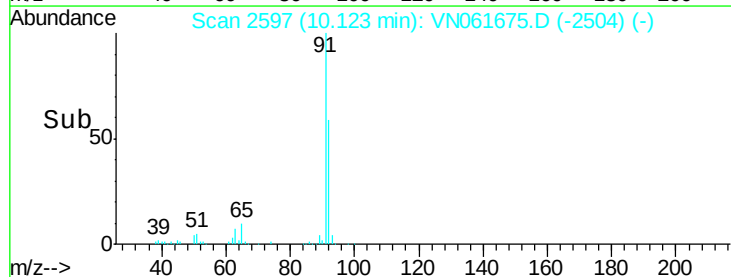
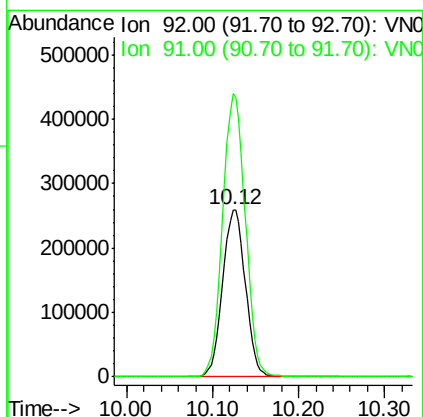
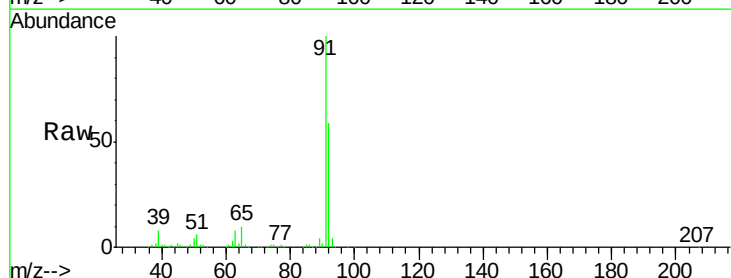
Instrument :
 MSVOA_N
 ClientSampled :
 VE-4-11MSD

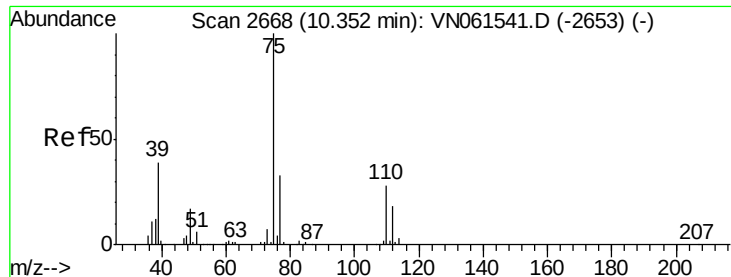
Tgt Ion: 43 Resp: 978186
 Ion Ratio Lower Upper
 43 100
 58 45.2 35.0 52.6



#52
 Toluene
 Concen: 47.69 ug/l
 RT: 10.12 min Scan# 2597
 Delta R.T. 0.00 min
 Lab File: VN061675.D
 Acq: 5 Jun 2020 17:27

Tgt Ion: 92 Resp: 478172
 Ion Ratio Lower Upper
 92 100
 91 168.9 136.4 204.6





#53

t-1,3-Dichloropropene

Concen: 45.54 ug/l

RT: 10.35 min Scan# 2668

Delta R.T. 0.00 min

Lab File: VN061675.D

Acq: 5 Jun 2020 17:27

Instrument :

MSVOA_N

ClientSampled :

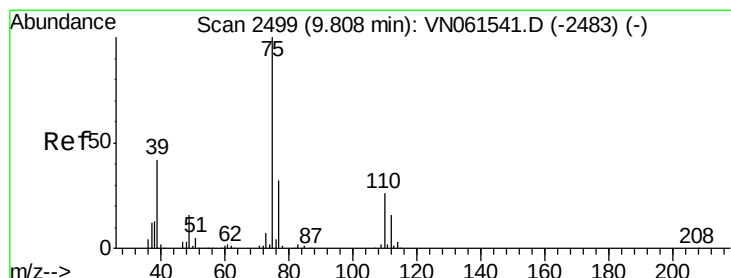
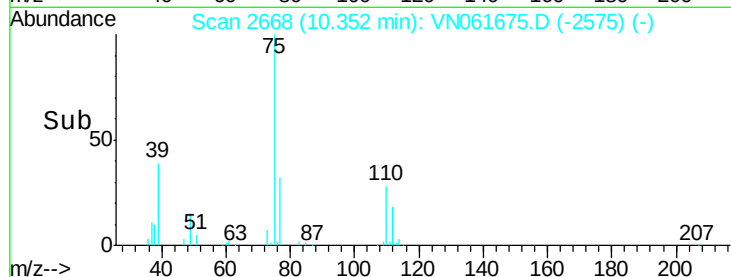
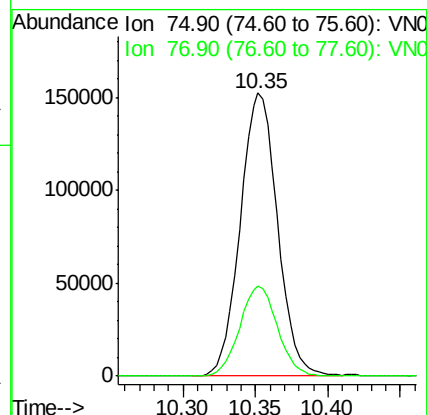
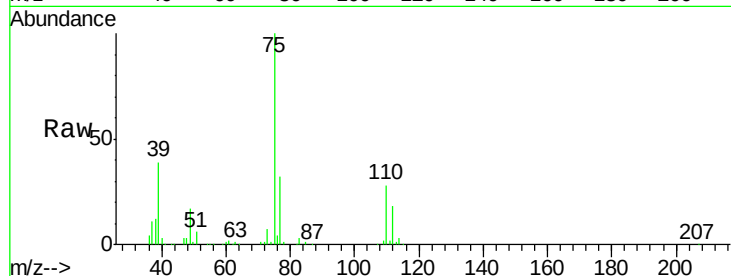
VE-4-11MSD

Tgt Ion: 75 Resp: 271930

Ion Ratio Lower Upper

75 100

77 31.8 26.2 39.4



#54

cis-1,3-Dichloropropene

Concen: 44.92 ug/l

RT: 9.81 min Scan# 2499

Delta R.T. 0.00 min

Lab File: VN061675.D

Acq: 5 Jun 2020 17:27

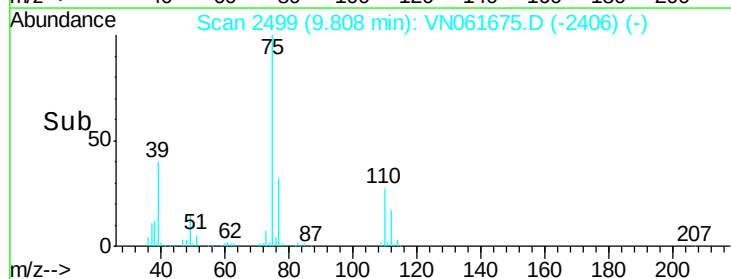
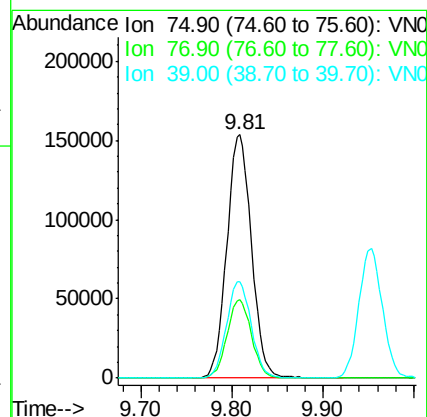
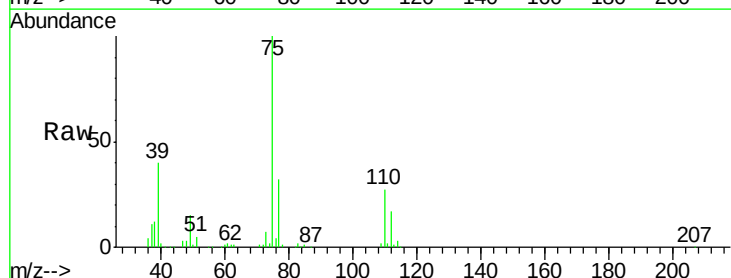
Tgt Ion: 75 Resp: 288413

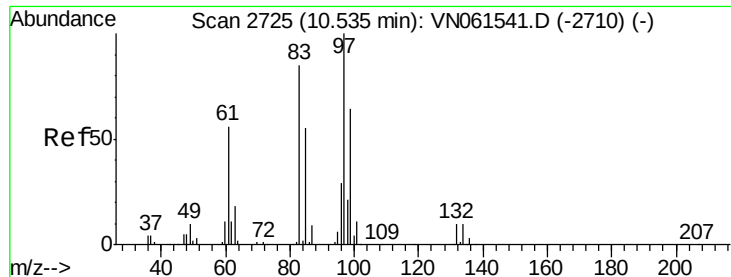
Ion Ratio Lower Upper

75 100

77 32.3 25.4 38.2

39 39.8 33.8 50.6

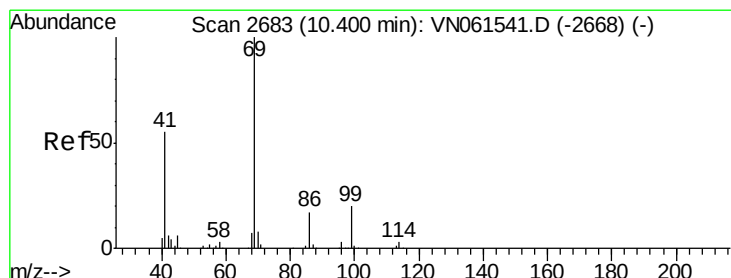
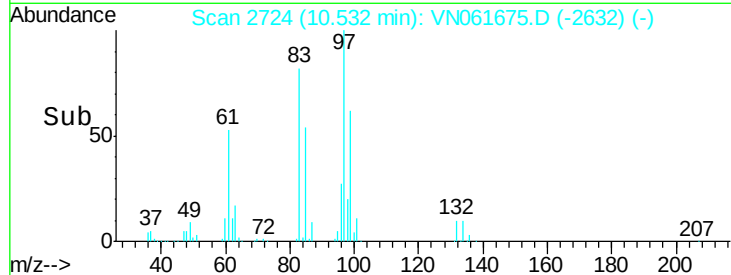
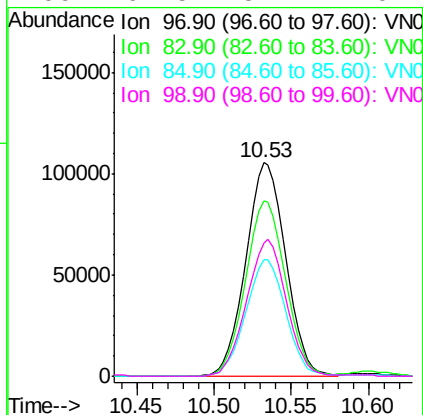
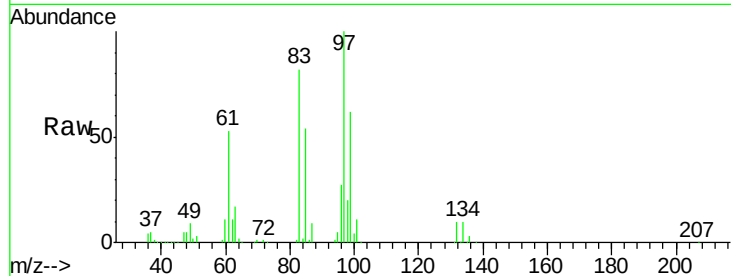




#55
 1,1,2-Trichloroethane
 Concen: 47.46 ug/l
 RT: 10.53 min Scan# 2724
 Delta R.T. -0.00 min
 Lab File: VN061675.D
 Acq: 5 Jun 2020 17:27

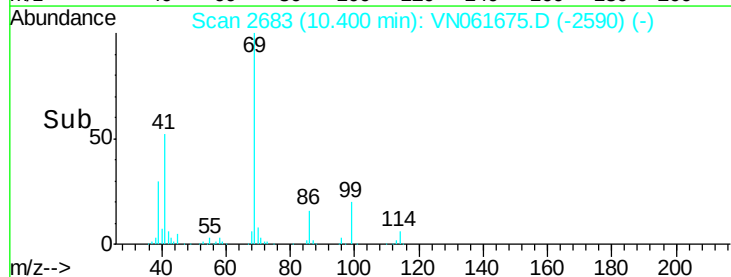
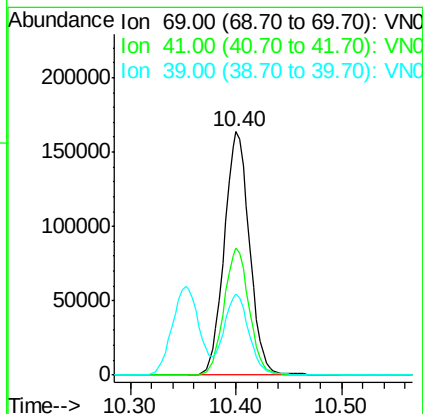
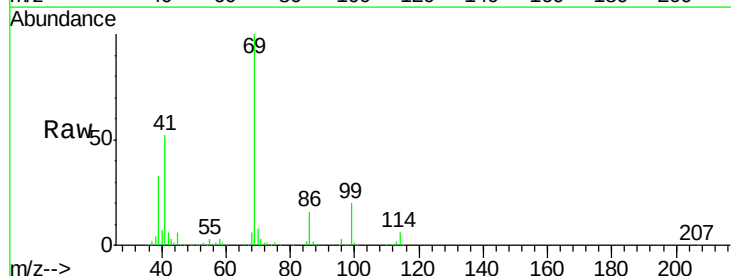
Instrument :
 MSVOA_N
 ClientSampled :
 VE-4-11MSD

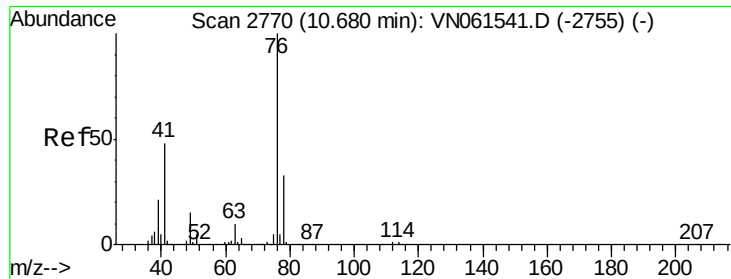
Tgt Ion:	97	Resp:	189592
Ion	Ratio	Lower	Upper
97	100		
83	82.3	68.1	102.1
85	54.3	44.1	66.1
99	62.5	51.1	76.7



#56
 Ethyl methacrylate
 Concen: 48.56 ug/l
 RT: 10.40 min Scan# 2683
 Delta R.T. 0.00 min
 Lab File: VN061675.D
 Acq: 5 Jun 2020 17:27

Tgt Ion:	69	Resp:	271016
Ion	Ratio	Lower	Upper
69	100		
41	51.2	43.5	65.3
39	32.5	27.0	40.6





#57

1,3-Dichloropropane

Concen: 47.35 ug/l

RT: 10.68 min Scan# 2770

Delta R.T. 0.00 min

Lab File: VN061675.D

Acq: 5 Jun 2020 17:27

Instrument :

MSVOA_N

ClientSampleId :

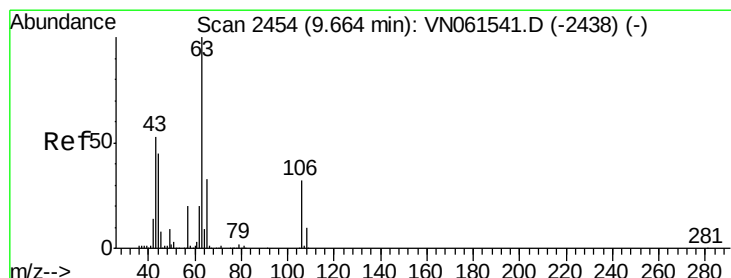
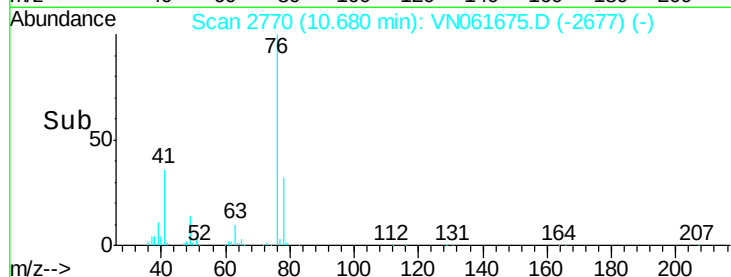
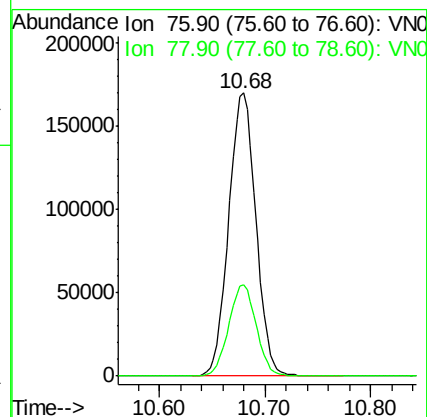
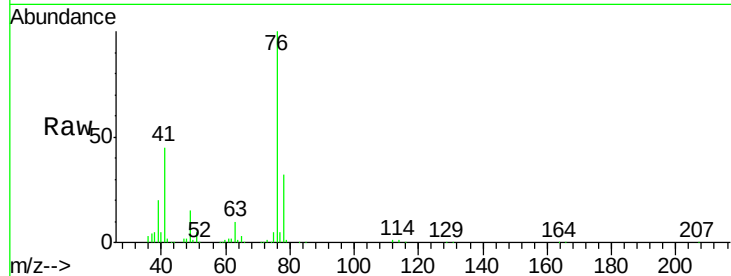
VE-4-11MSD

Tgt Ion: 76 Resp: 302506

Ion Ratio Lower Upper

76 100

78 32.7 26.3 39.5



#58

2-Chloroethyl Vinyl ether

Concen: 0.76 ug/l

RT: 9.81 min Scan# 2499

Delta R.T. 0.14 min

Lab File: VN061675.D

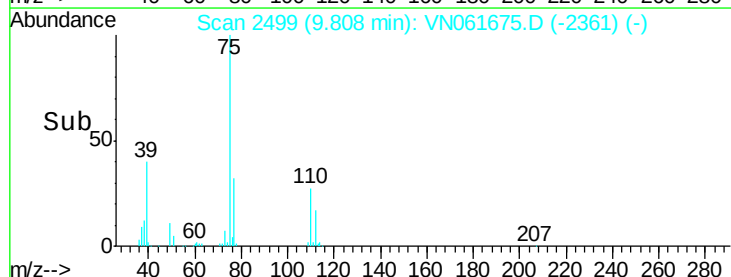
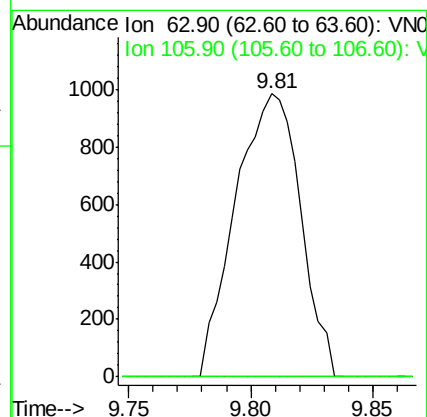
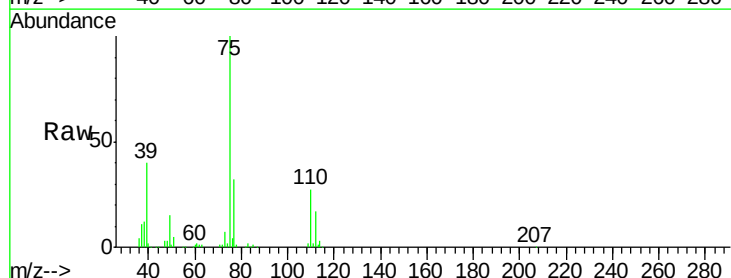
Acq: 5 Jun 2020 17:27

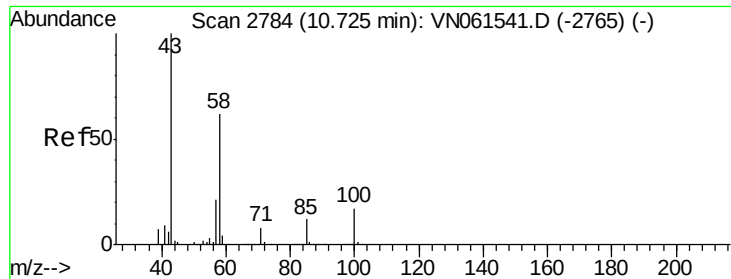
Tgt Ion: 63 Resp: 1821

Ion Ratio Lower Upper

63 100

106 0.0 25.9 38.9#

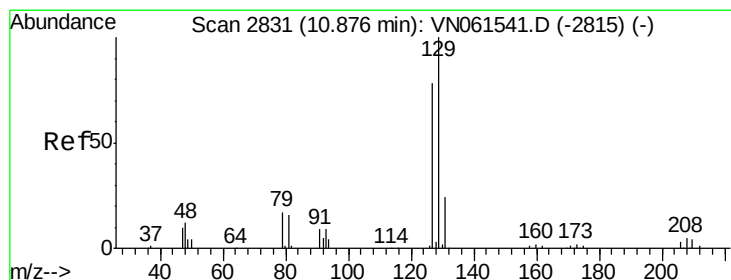
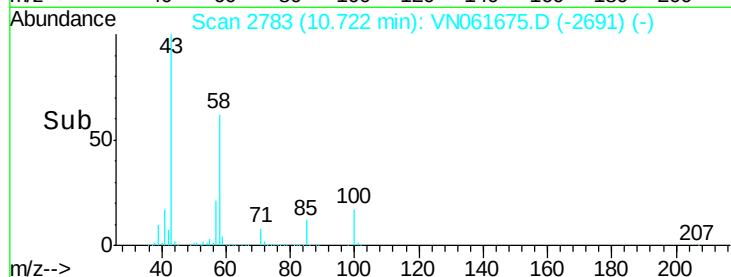
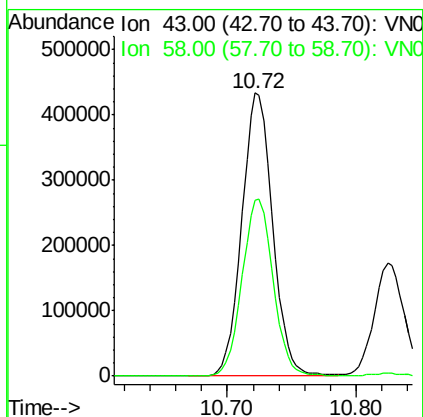
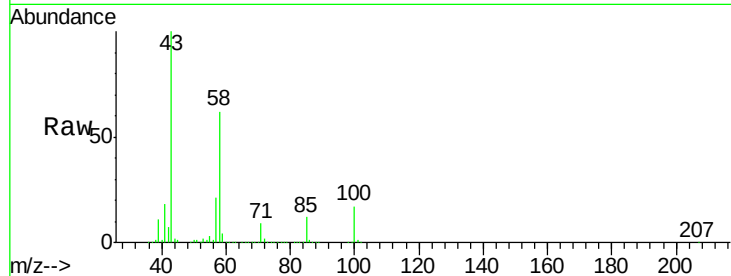




#59
2-Hexanone
Concen: 246.93 ug/l
RT: 10.72 min Scan# 2783
Delta R.T. -0.00 min
Lab File: VN061675.D
Acq: 5 Jun 2020 17:27

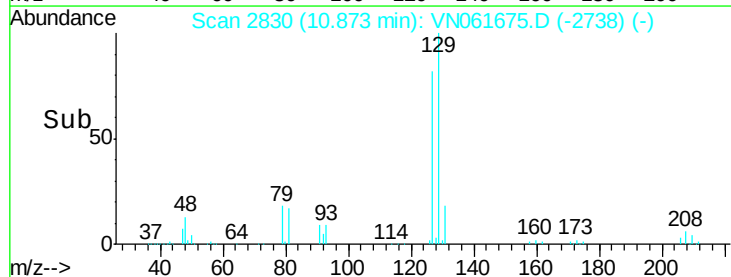
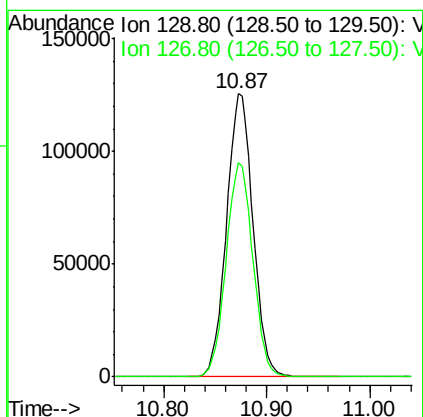
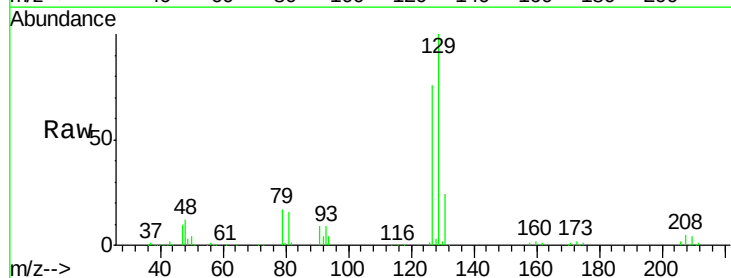
Instrument :
MSVOA_N
ClientSampleId :
VE-4-11MSD

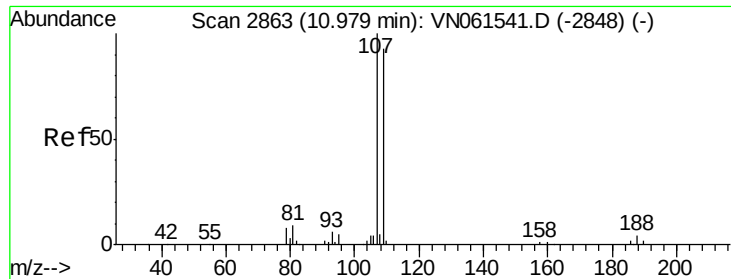
Tgt Ion: 43 Resp: 721041
Ion Ratio Lower Upper
43 100
58 63.3 30.7 92.1



#60
Dibromochloromethane
Concen: 49.50 ug/l
RT: 10.87 min Scan# 2830
Delta R.T. -0.00 min
Lab File: VN061675.D
Acq: 5 Jun 2020 17:27

Tgt Ion: 129 Resp: 224800
Ion Ratio Lower Upper
129 100
127 76.4 38.8 116.3





#61

1,2-Dibromoethane

Concen: 48.82 ug/l

RT: 10.98 min Scan# 2863

Delta R.T. 0.00 min

Lab File: VN061675.D

Acq: 5 Jun 2020 17:27

Instrument :

MSVOA_N

ClientSampleId :

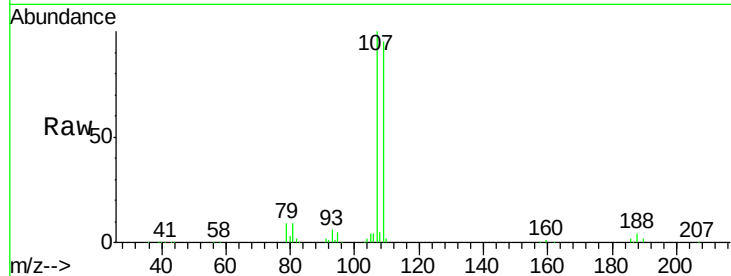
VE-4-11MSD

Tgt Ion: 107 Resp: 203398

Ion Ratio Lower Upper

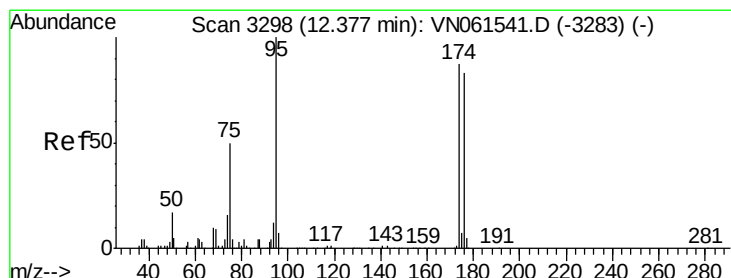
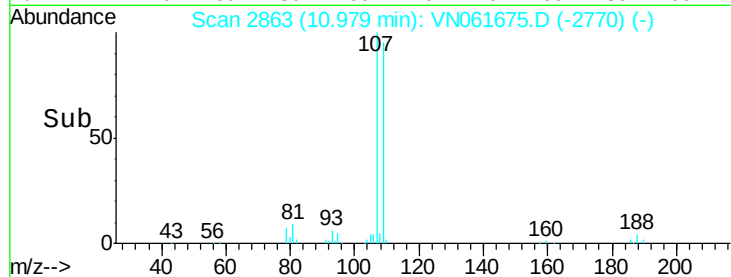
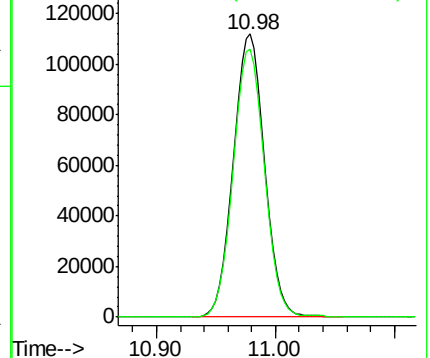
107 100

109 94.8 76.1 114.1



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 49.13 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. 0.00 min

Lab File: VN061675.D

Acq: 5 Jun 2020 17:27

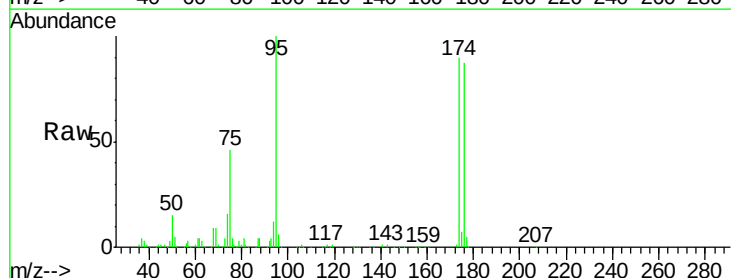
Tgt Ion: 95 Resp: 236997

Ion Ratio Lower Upper

95 100

174 90.4 0.0 172.8

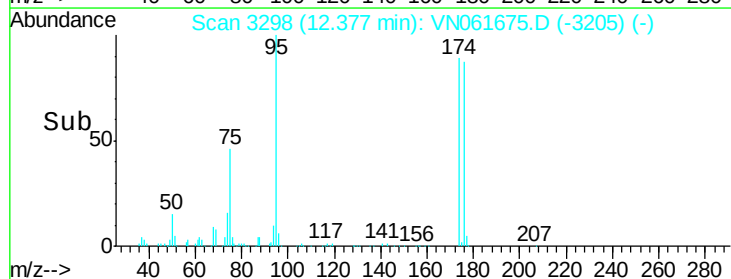
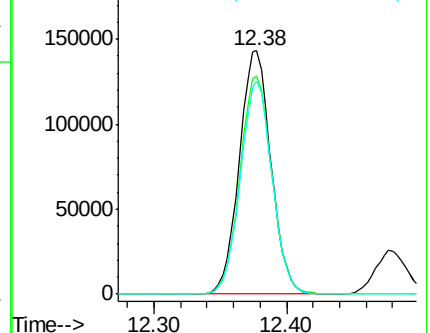
176 87.6 0.0 164.8

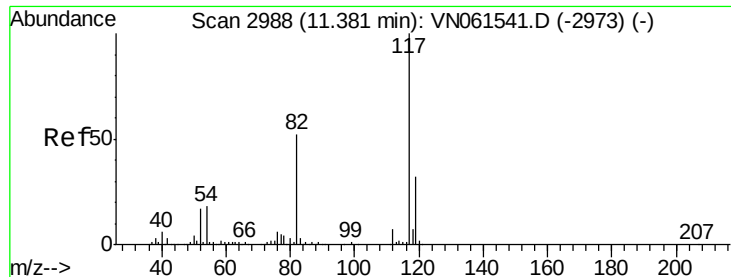


Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

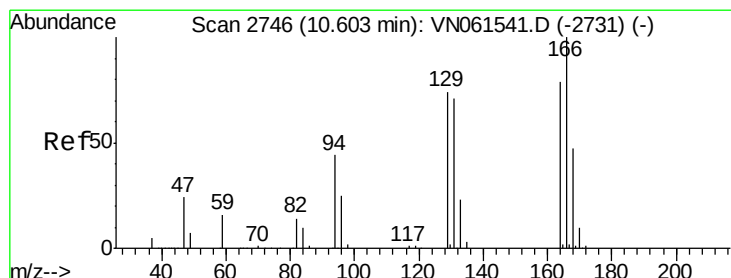
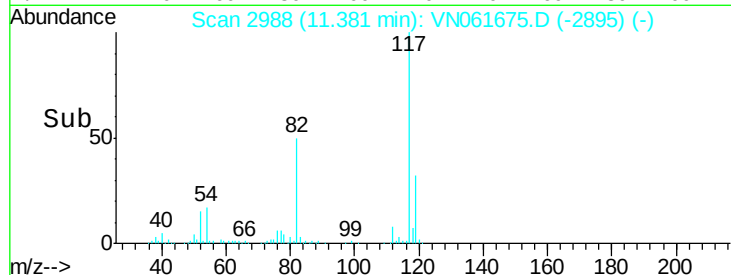
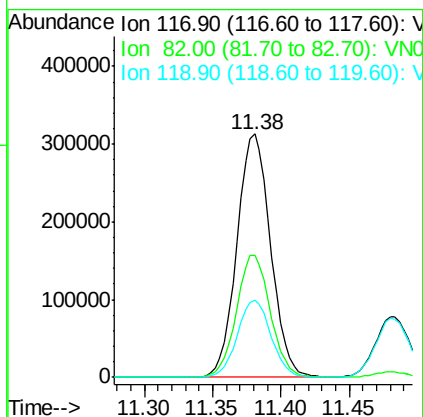
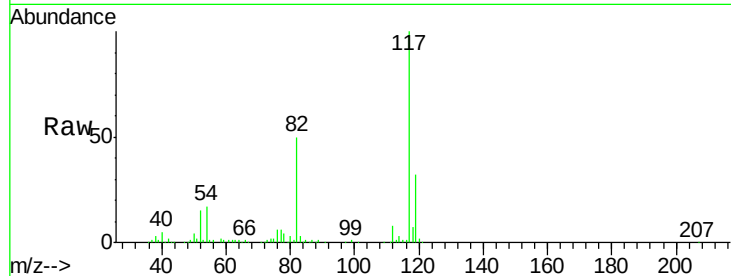




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.38 min Scan# 2988
Delta R.T. 0.00 min
Lab File: VN061675.D
Acq: 5 Jun 2020 17:27

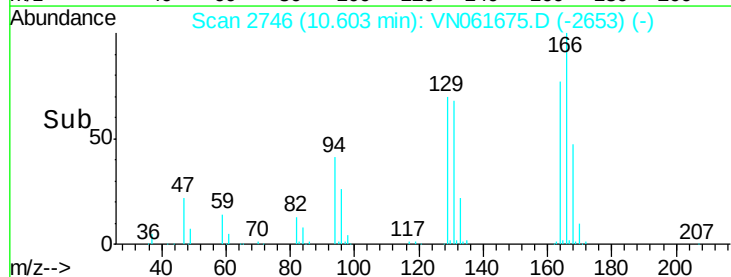
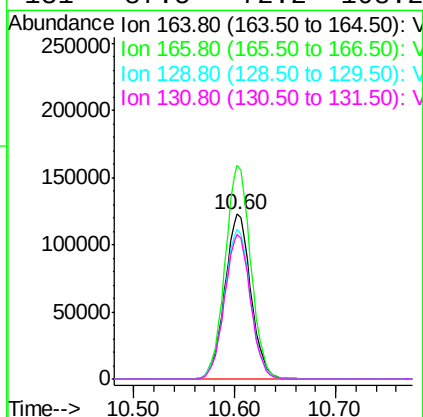
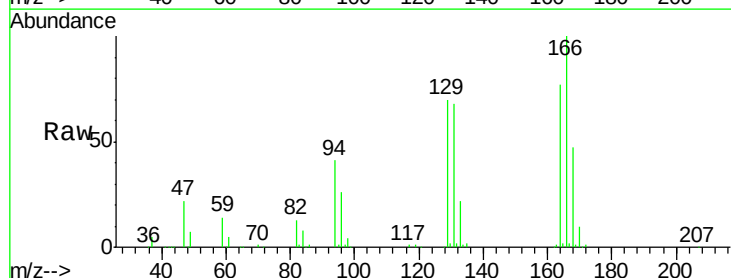
Instrument :
MSVOA_N
ClientSampleId :
VE-4-11MSD

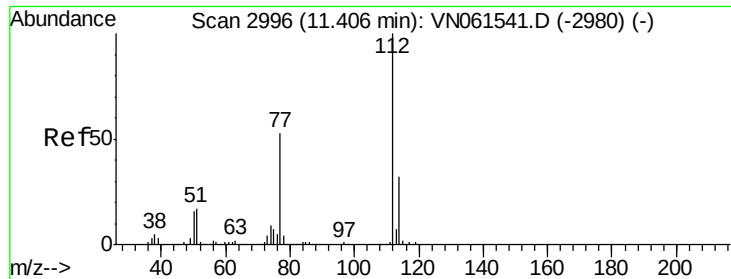
Tgt Ion:117 Resp: 536224
Ion Ratio Lower Upper
117 100
82 50.3 41.5 62.3
119 31.5 25.6 38.4



#64
Tetrachloroethene
Concen: 43.58 ug/l
RT: 10.60 min Scan# 2746
Delta R.T. 0.00 min
Lab File: VN061675.D
Acq: 5 Jun 2020 17:27

Tgt Ion:164 Resp: 219971
Ion Ratio Lower Upper
164 100
166 129.4 101.5 152.3
129 90.5 74.9 112.3
131 87.5 72.2 108.2

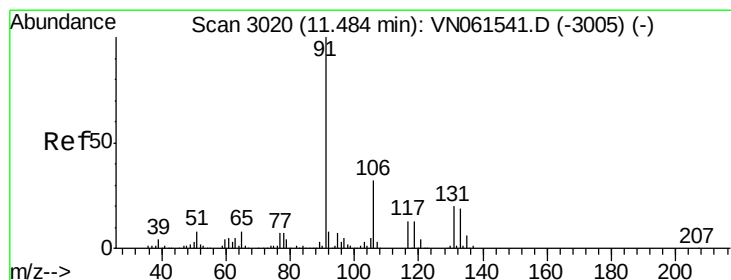
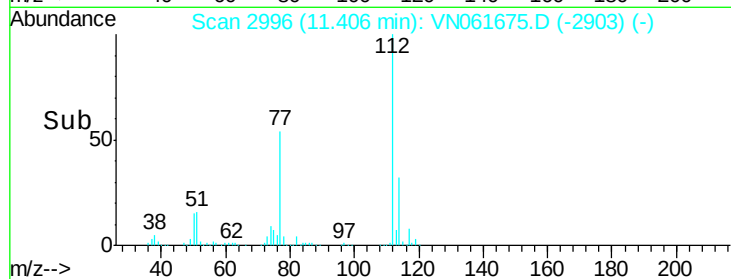
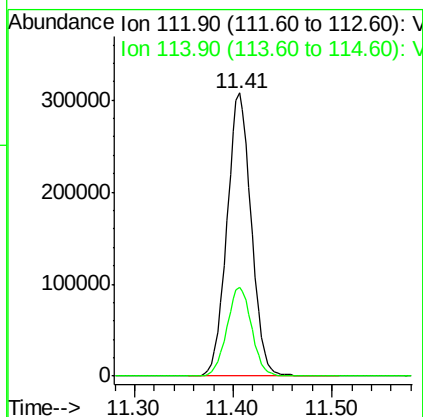
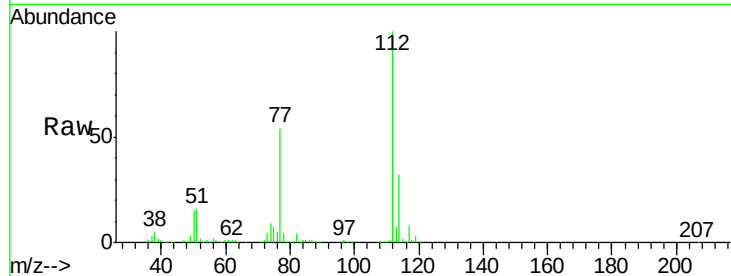




#65
Chlorobenzene
Concen: 47.50 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN061675.D
Acq: 5 Jun 2020 17:27

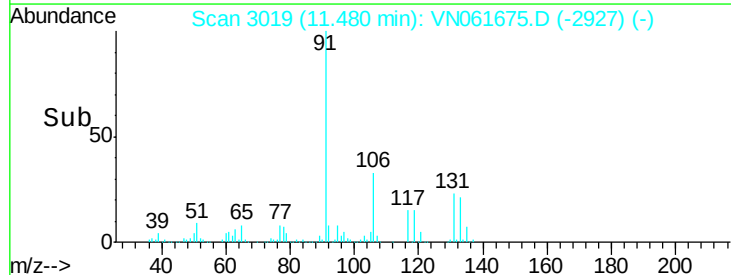
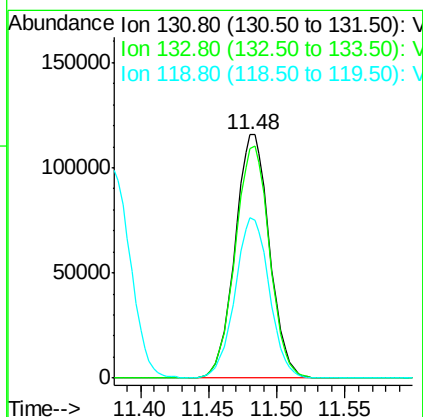
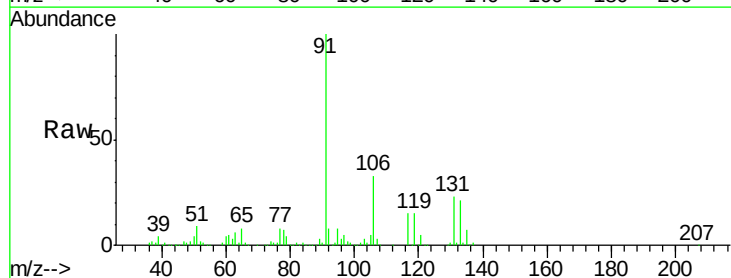
Instrument :
MSVOA_N
ClientSampled :
VE-4-11MSD

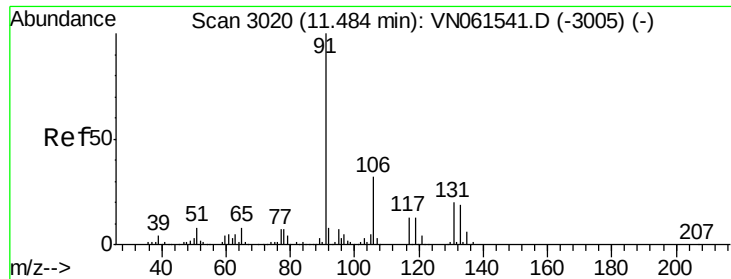
Tgt Ion:112 Resp: 529438
Ion Ratio Lower Upper
112 100
114 31.5 25.7 38.5



#66
1,1,1,2-Tetrachloroethane
Concen: 48.88 ug/l
RT: 11.48 min Scan# 3019
Delta R.T. -0.00 min
Lab File: VN061675.D
Acq: 5 Jun 2020 17:27

Tgt Ion:131 Resp: 202853
Ion Ratio Lower Upper
131 100
133 95.4 47.4 142.2
119 65.7 32.6 97.8

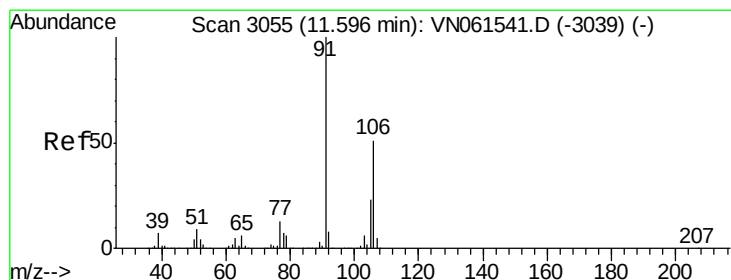
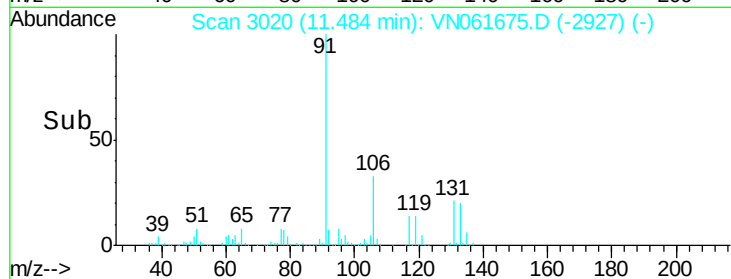
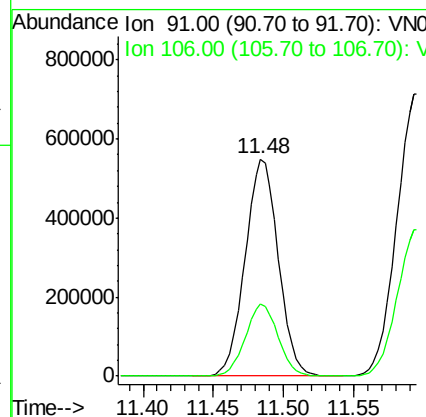
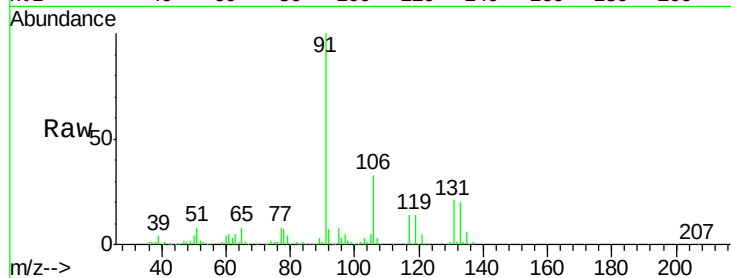




#67
 Ethyl Benzene
 Concen: 46.97 ug/l
 RT: 11.48 min Scan# 3020
 Delta R.T. 0.00 min
 Lab File: VN061675.D
 Acq: 5 Jun 2020 17:27

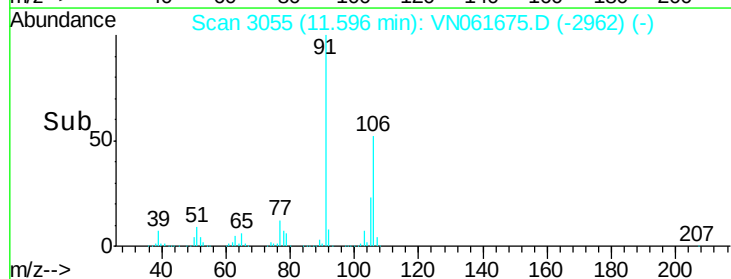
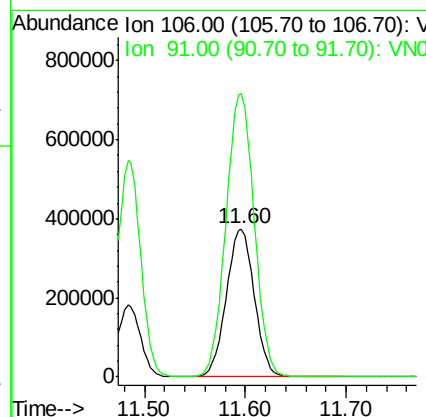
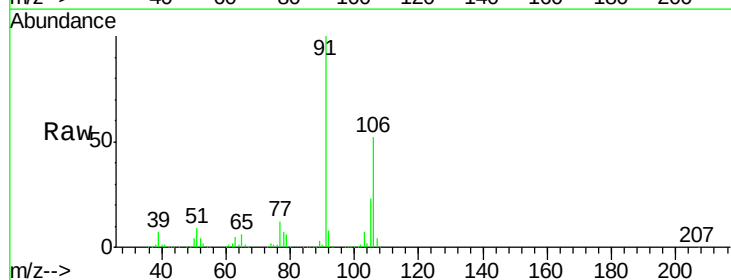
Instrument :
 MSVOA_N
 ClientSampled :
 VE-4-11MSD

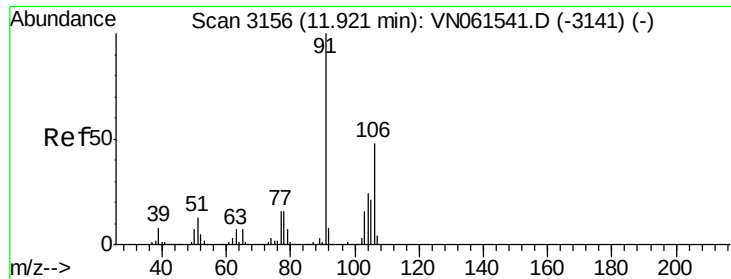
Tgt Ion: 91 Resp: 904917
 Ion Ratio Lower Upper
 91 100
 106 33.1 25.6 38.4



#68
 m/p-Xylenes
 Concen: 94.56 ug/l
 RT: 11.60 min Scan# 3055
 Delta R.T. 0.00 min
 Lab File: VN061675.D
 Acq: 5 Jun 2020 17:27

Tgt Ion: 106 Resp: 722313
 Ion Ratio Lower Upper
 106 100
 91 194.0 156.2 234.4

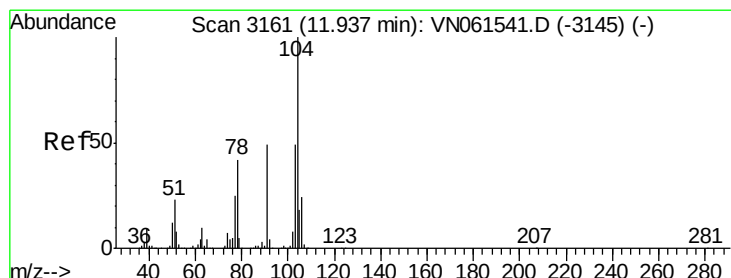
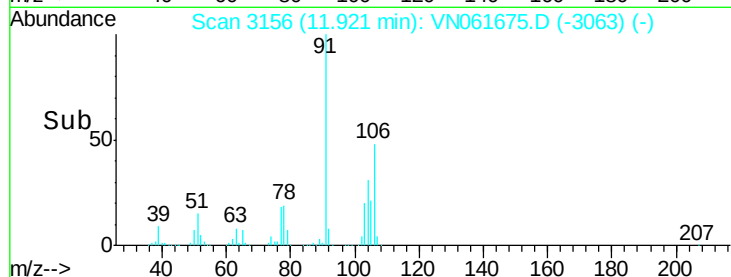
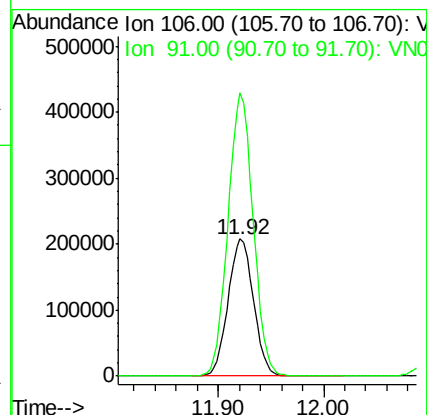
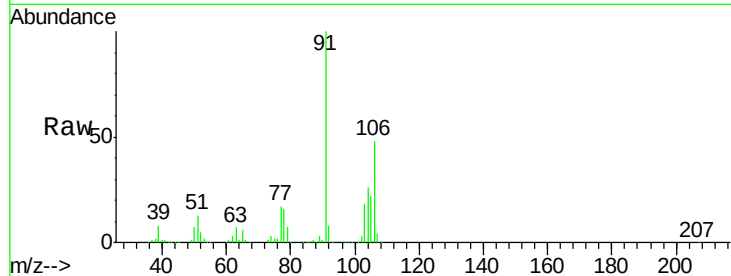




#69
o-Xylene
Concen: 47.69 ug/l
RT: 11.92 min Scan# 3156
Delta R.T. 0.00 min
Lab File: VN061675.D
Acq: 5 Jun 2020 17:27

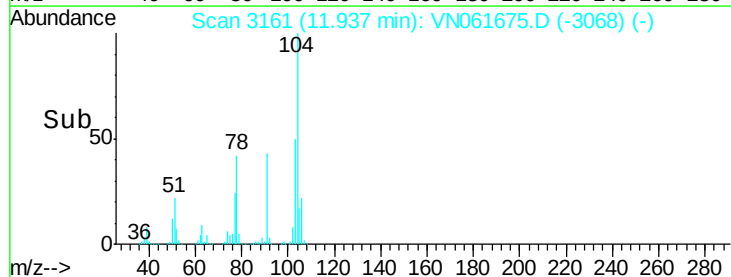
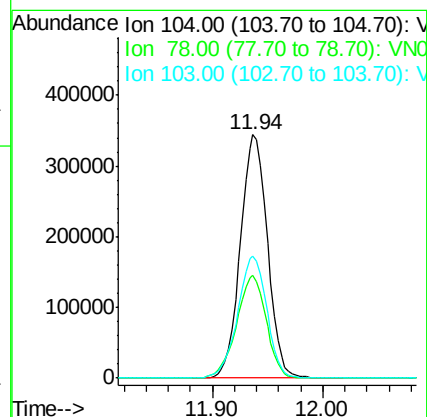
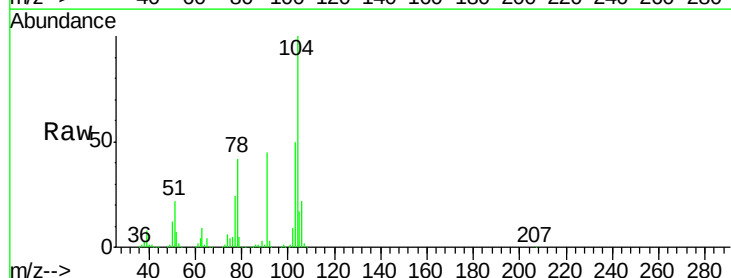
Instrument :
MSVOA_N
ClientSampled :
VE-4-11MSD

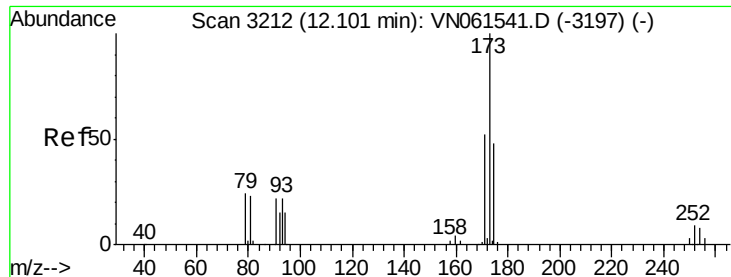
Tgt Ion:106 Resp: 346019
Ion Ratio Lower Upper
106 100
91 204.3 103.3 309.8



#70
Styrene
Concen: 48.84 ug/l
RT: 11.94 min Scan# 3161
Delta R.T. 0.00 min
Lab File: VN061675.D
Acq: 5 Jun 2020 17:27

Tgt Ion:104 Resp: 586793
Ion Ratio Lower Upper
104 100
78 46.1 37.4 56.0
103 54.0 42.3 63.5

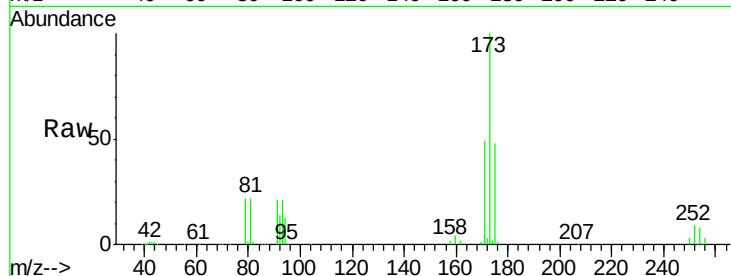




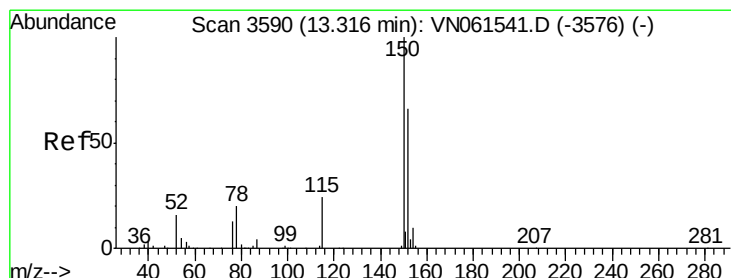
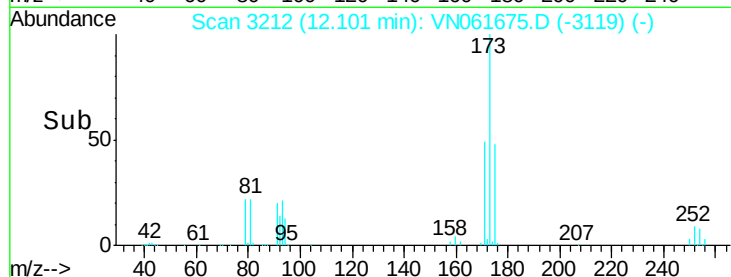
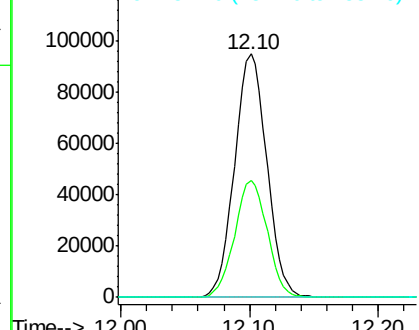
#71
Bromoform
Concen: 51.61 ug/l
RT: 12.10 min Scan# 3212
Delta R.T. 0.00 min
Lab File: VN061675.D
Acq: 5 Jun 2020 17:27

Instrument :
MSVOA_N
ClientSampled :
VE-4-11MSD

Tgt Ion:173 Resp: 165038
Ion Ratio Lower Upper
173 100
175 48.4 24.4 73.2
254 0.1 0.0 0.0#

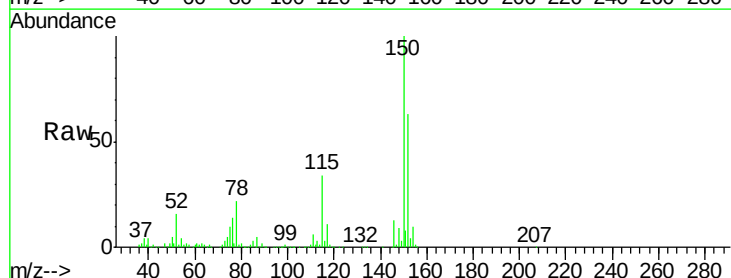


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

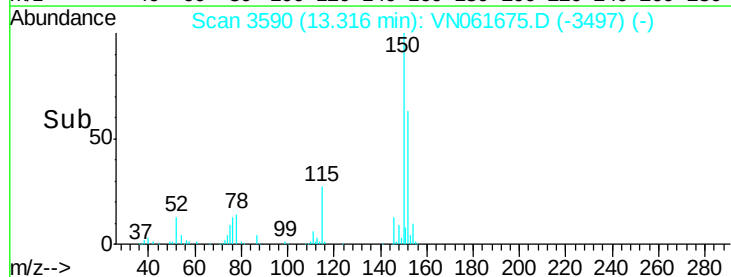
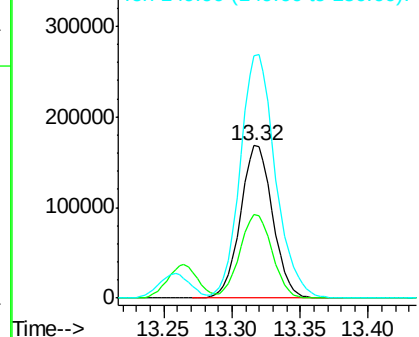


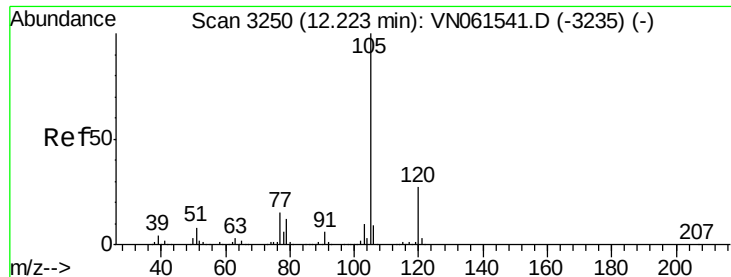
#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.32 min Scan# 3590
Delta R.T. 0.00 min
Lab File: VN061675.D
Acq: 5 Jun 2020 17:27

Tgt Ion:152 Resp: 275811
Ion Ratio Lower Upper
152 100
115 55.0 28.0 84.0
150 174.1 0.0 344.0



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

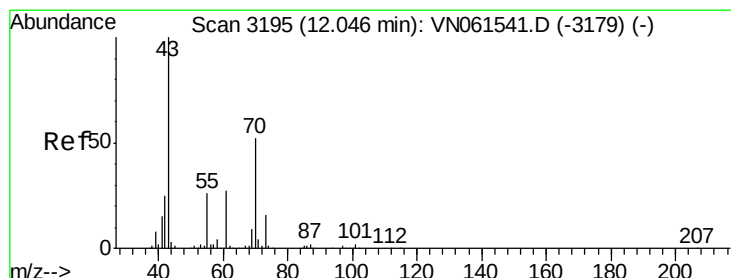
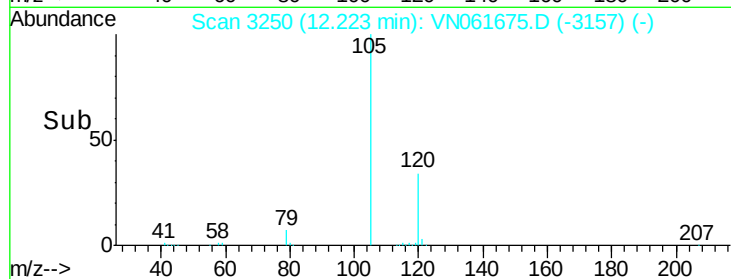
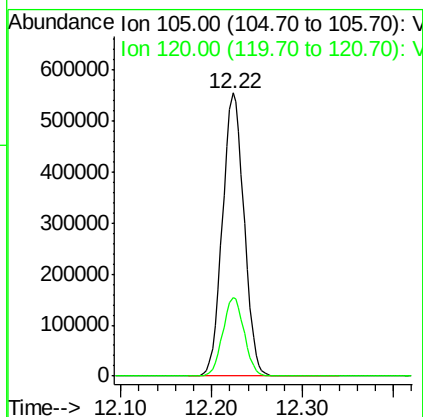
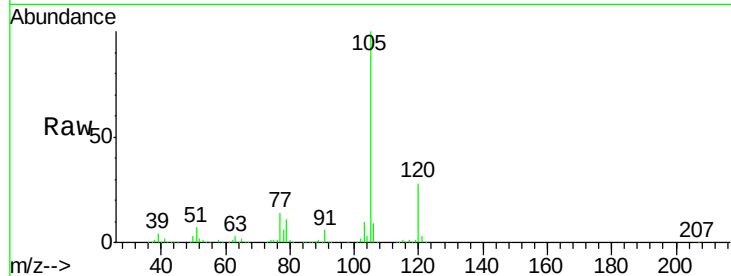




#73
Isopropylbenzene
Concen: 45.33 ug/l
RT: 12.22 min Scan# 3250
Delta R.T. 0.00 min
Lab File: VN061675.D
Acq: 5 Jun 2020 17:27

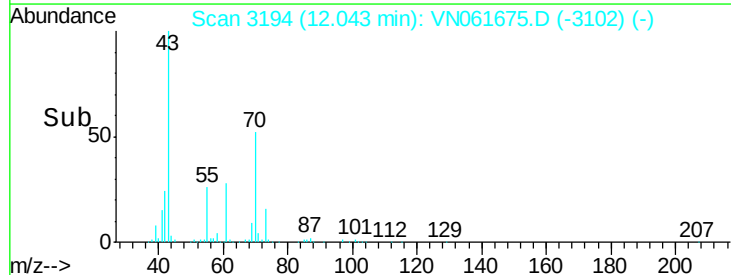
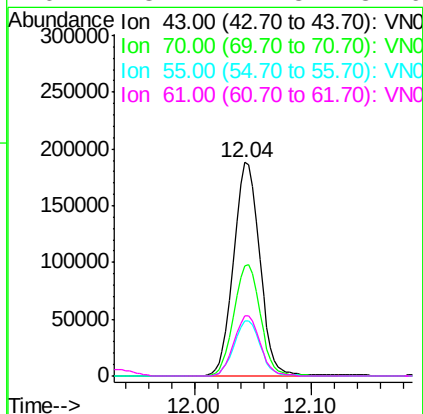
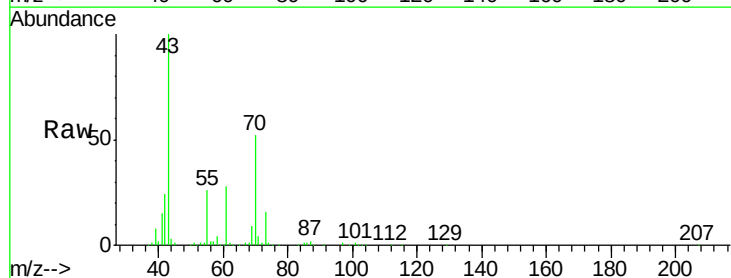
Instrument :
MSVOA_N
ClientSampleId :
VE-4-11MSD

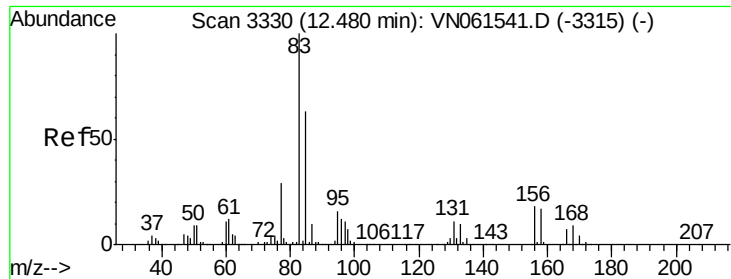
Tgt Ion: 105 Resp: 912473
Ion Ratio Lower Upper
105 100
120 27.4 13.8 41.3



#74
N-ethyl acetate
Concen: 46.37 ug/l
RT: 12.04 min Scan# 3194
Delta R.T. -0.00 min
Lab File: VN061675.D
Acq: 5 Jun 2020 17:27

Tgt Ion: 43 Resp: 293941
Ion Ratio Lower Upper
43 100
70 52.7 40.5 60.7
55 26.1 20.6 31.0
61 28.1 21.8 32.6





#75

1,1,2,2-Tetrachloroethane

Concen: 45.97 ug/l

RT: 12.48 min Scan# 3330

Delta R.T. 0.00 min

Lab File: VN061675.D

Acq: 5 Jun 2020 17:27

Instrument :

MSVOA_N

ClientSampleId :

VE-4-11MSD

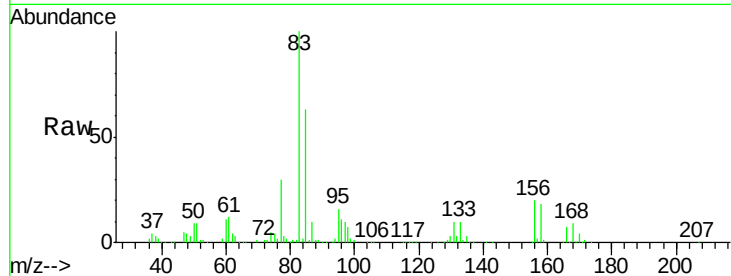
Tgt Ion: 83 Resp: 259349

Ion Ratio Lower Upper

83 100

131 10.9 5.5 16.5

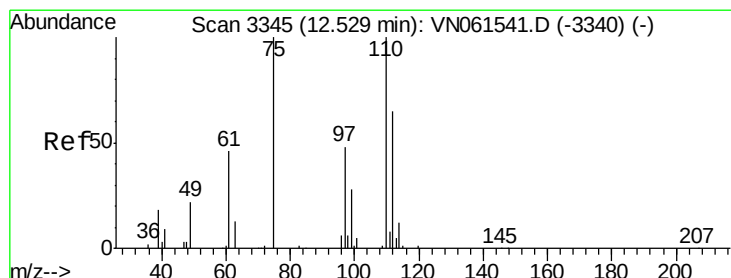
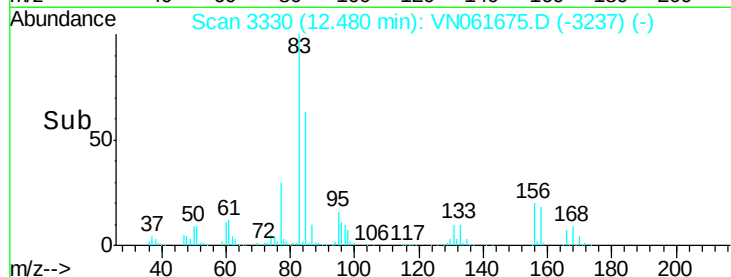
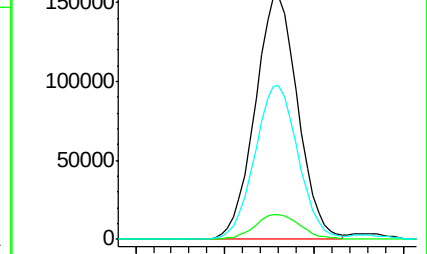
85 63.9 32.1 96.3



Abundance Ion 82.90 (82.60 to 83.60): VN061675.D (-3237) (-)

Ion 130.80 (130.50 to 131.50): VN061675.D (-3237) (-)

Ion 84.90 (84.60 to 85.60): VN061675.D (-3237) (-)



#76

1,2,3-Trichloropropane

Concen: 65.30 ug/l

RT: 12.53 min Scan# 3345

Delta R.T. 0.00 min

Lab File: VN061675.D

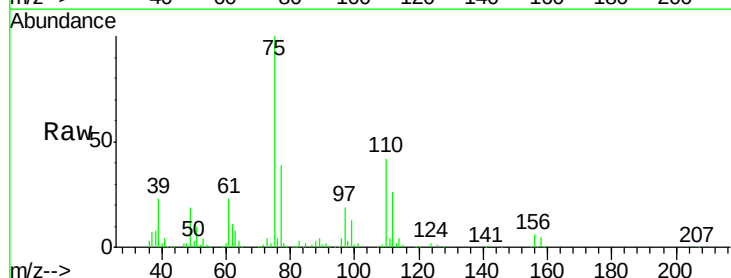
Acq: 5 Jun 2020 17:27

Tgt Ion: 75 Resp: 327515

Ion Ratio Lower Upper

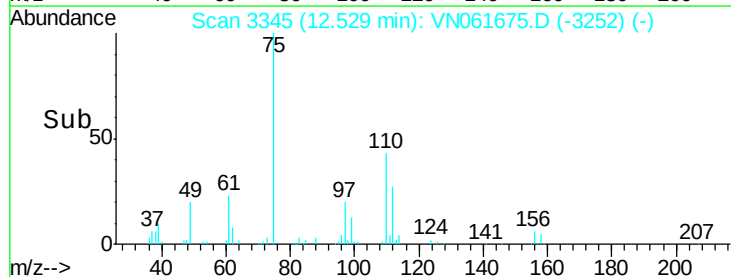
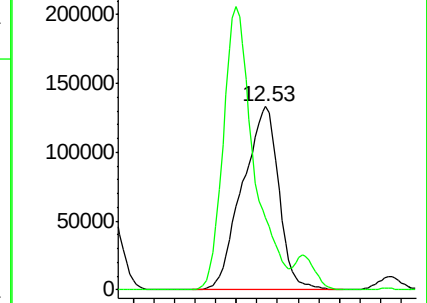
75 100

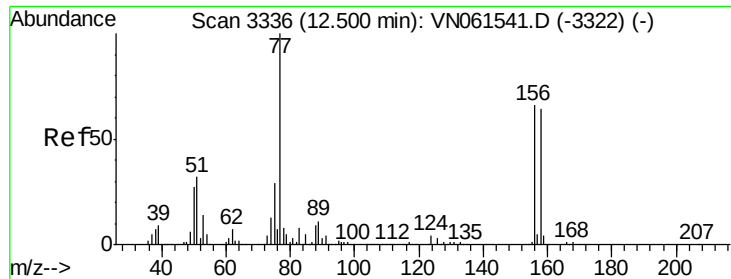
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN061675.D (-3252) (-)

Ion 77.00 (76.70 to 77.70): VN061675.D (-3252) (-)

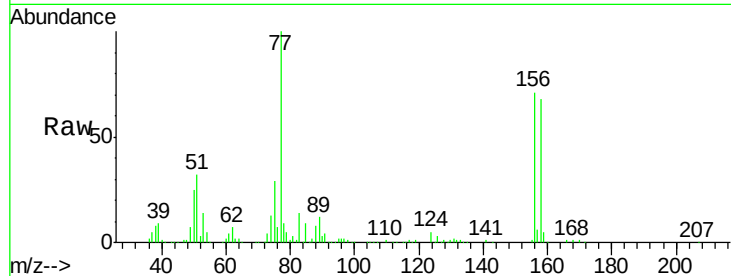




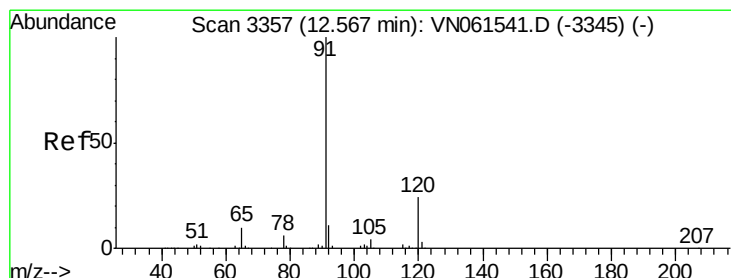
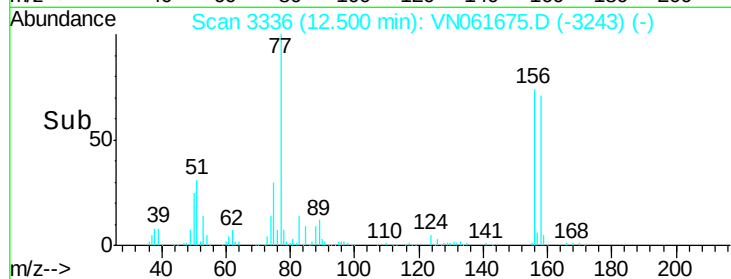
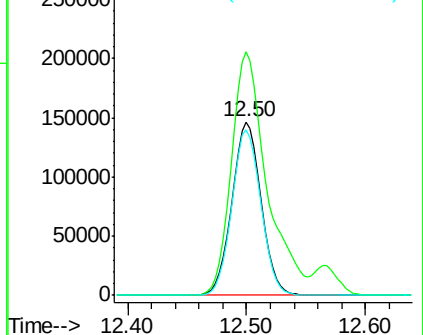
#77
Bromobenzene
Concen: 48.39 ug/l
RT: 12.50 min Scan# 3336
Delta R.T. 0.00 min
Lab File: VN061675.D
Acq: 5 Jun 2020 17:27

Instrument :
MSVOA_N
ClientSampled :
VE-4-11MSD

Tgt Ion:156 Resp: 248638
Ion Ratio Lower Upper
156 100
77 170.8 90.9 272.7
158 95.0 48.4 145.3

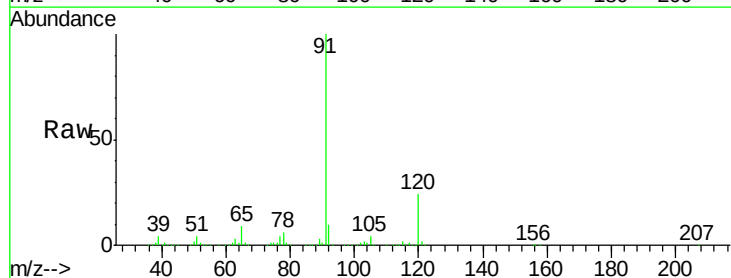


Abundance Ion 155.80 (155.50 to 156.50): V
Ion 77.00 (76.70 to 77.70): VN0
Ion 157.80 (157.50 to 158.50): V

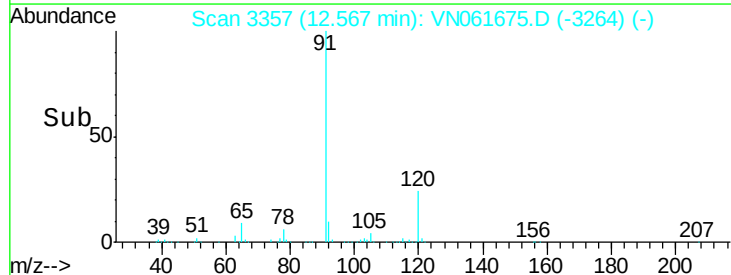
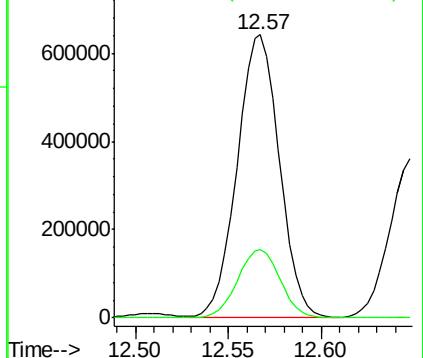


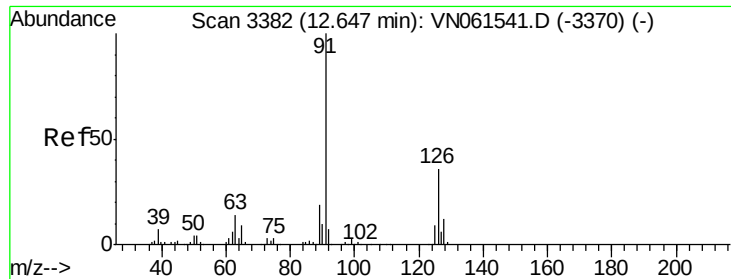
#78
n-propylbenzene
Concen: 44.90 ug/l
RT: 12.57 min Scan# 3357
Delta R.T. 0.00 min
Lab File: VN061675.D
Acq: 5 Jun 2020 17:27

Tgt Ion: 91 Resp: 1009047
Ion Ratio Lower Upper
91 100
120 24.7 12.3 36.9



Abundance Ion 91.00 (90.70 to 91.70): VN0
Ion 120.00 (119.70 to 120.70): V

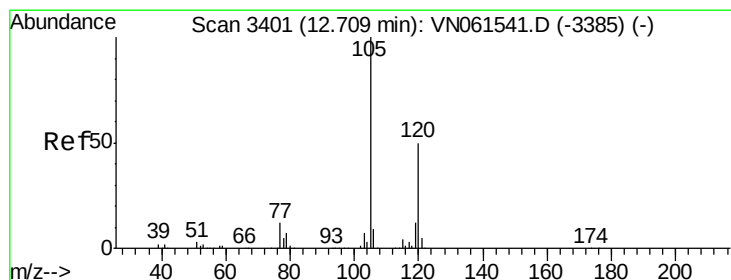
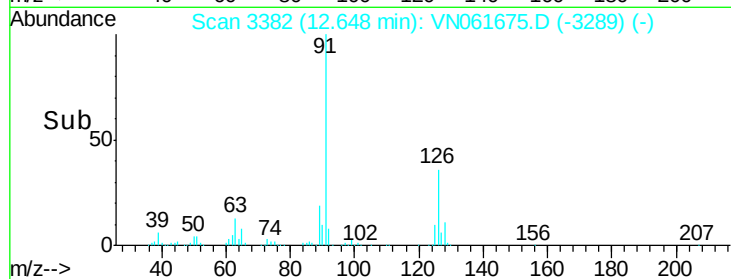
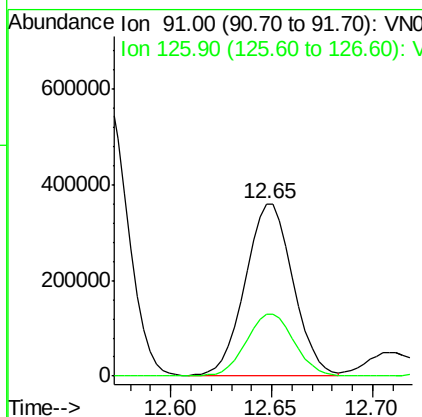
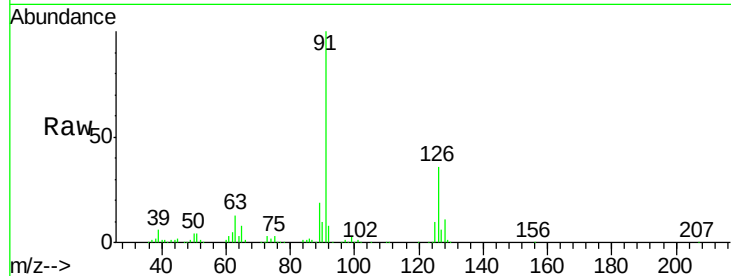




#79
 2-Chlorotoluene
 Concen: 44.45 ug/l
 RT: 12.65 min Scan# 3382
 Delta R.T. 0.00 min
 Lab File: VN061675.D
 Acq: 5 Jun 2020 17:27

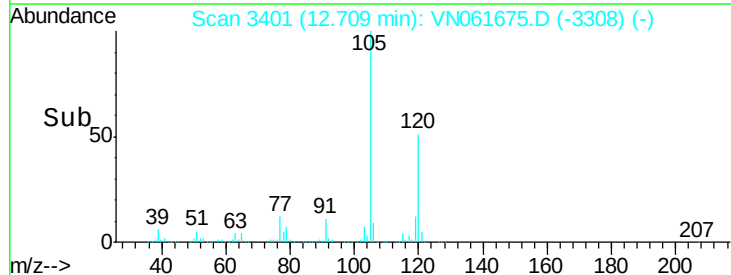
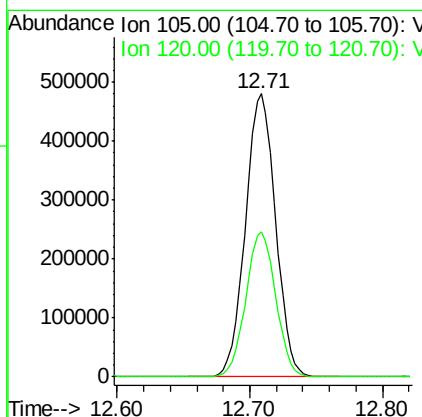
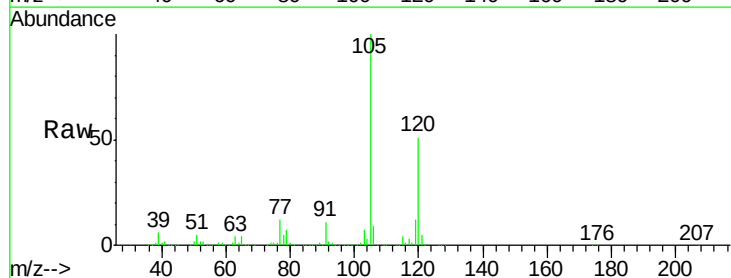
Instrument :
 MSVOA_N
 ClientSampled :
 VE-4-11MSD

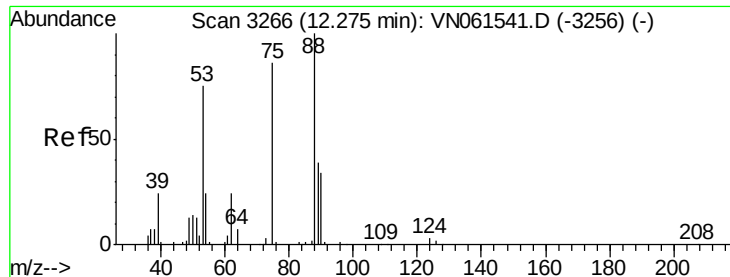
Tgt Ion: 91 Resp: 595706
 Ion Ratio Lower Upper
 91 100
 126 36.5 17.9 53.7



#80
 1,3,5-Trimethylbenzene
 Concen: 44.89 ug/l
 RT: 12.71 min Scan# 3401
 Delta R.T. 0.00 min
 Lab File: VN061675.D
 Acq: 5 Jun 2020 17:27

Tgt Ion: 105 Resp: 755276
 Ion Ratio Lower Upper
 105 100
 120 51.1 25.1 75.2

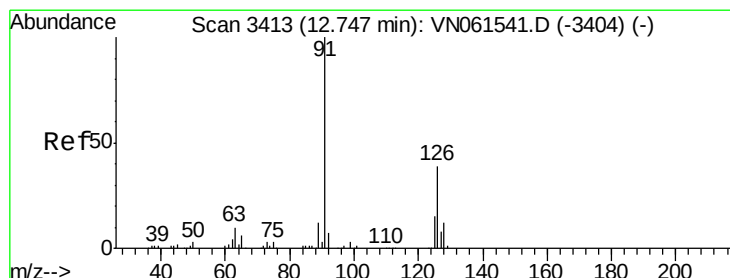
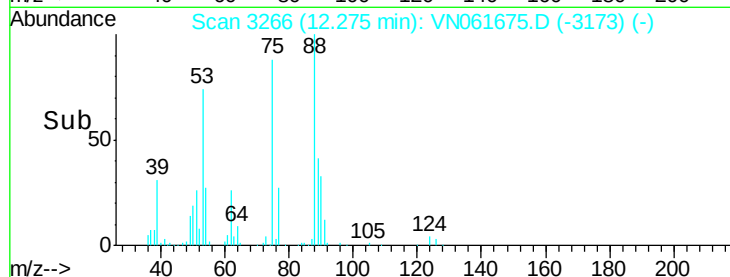
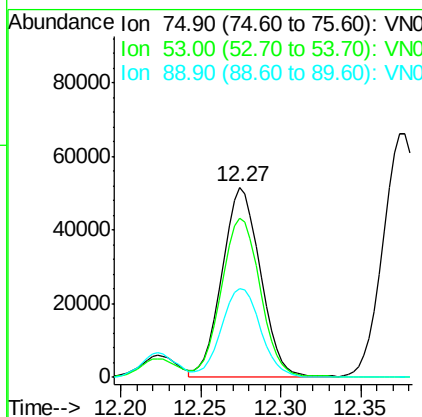
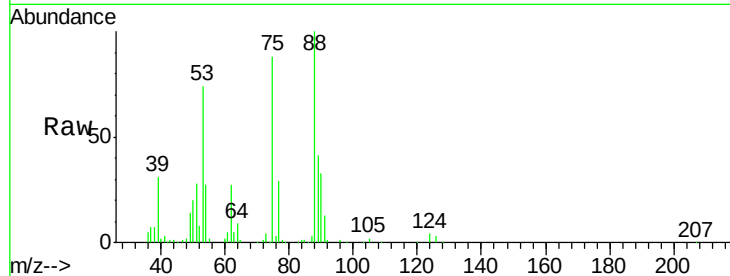




#81
trans-1,4-Dichloro-2-butene
Concen: 43.36 ug/l
RT: 12.27 min Scan# 3266
Delta R.T. 0.00 min
Lab File: VN061675.D
Acq: 5 Jun 2020 17:27

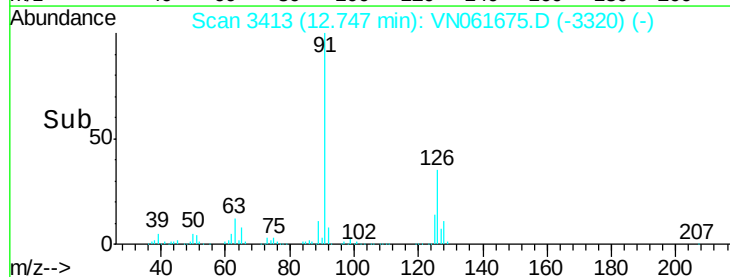
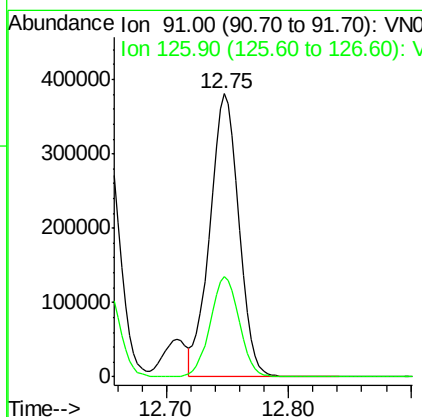
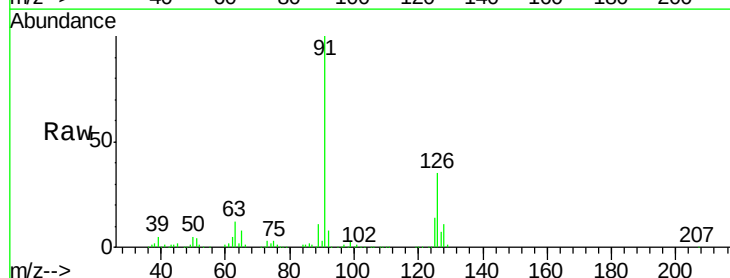
Instrument :
MSVOA_N
ClientSampleId :
VE-4-11MSD

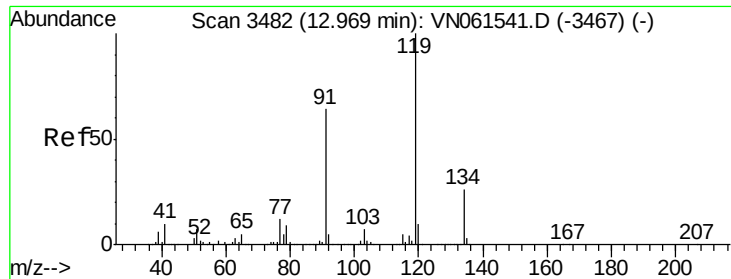
Tgt Ion: 75 Resp: 85031
Ion Ratio Lower Upper
75 100
53 85.2 67.8 101.8
89 47.5 37.1 55.7



#82
4-Chlorotoluene
Concen: 44.93 ug/l
RT: 12.75 min Scan# 3413
Delta R.T. 0.00 min
Lab File: VN061675.D
Acq: 5 Jun 2020 17:27

Tgt Ion: 91 Resp: 633420
Ion Ratio Lower Upper
91 100
126 35.4 17.5 52.6

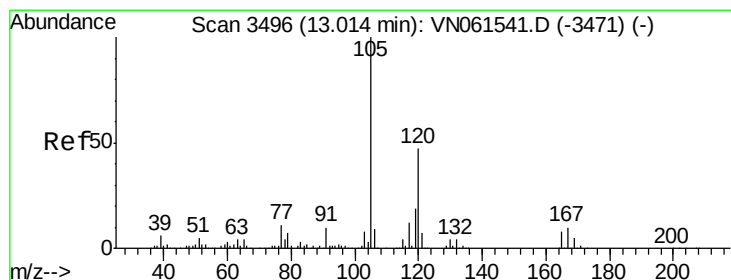
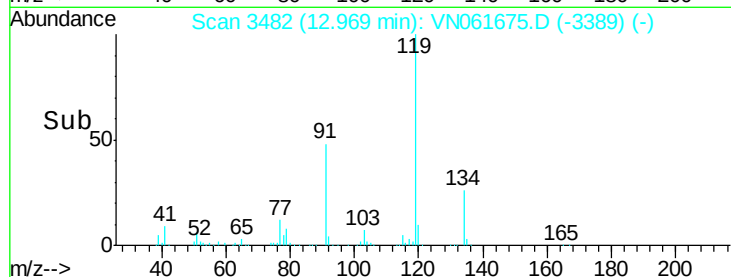
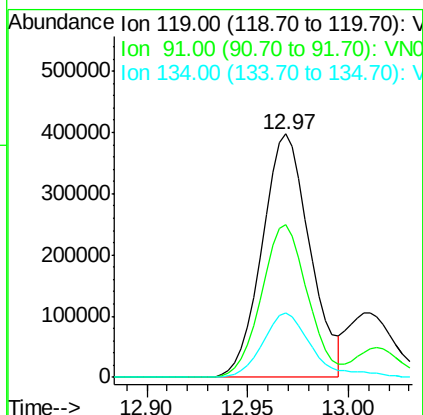
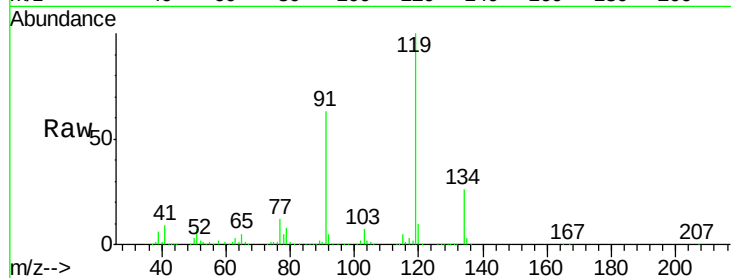




#83
 tert-Butylbenzene
 Concen: 43.96 ug/l
 RT: 12.97 min Scan# 3482
 Delta R.T. 0.00 min
 Lab File: VN061675.D
 Acq: 5 Jun 2020 17:27

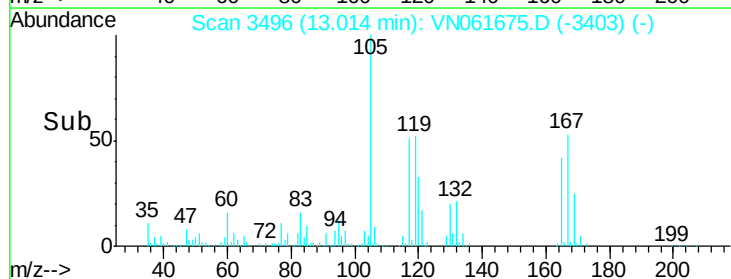
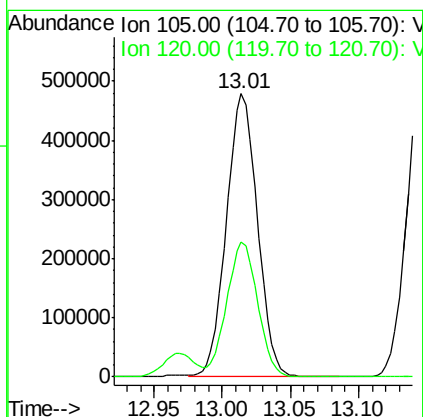
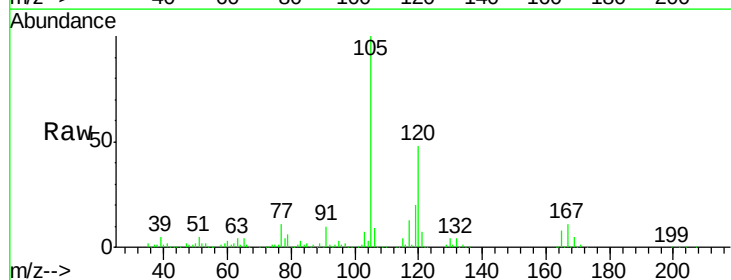
Instrument :
 MSVOA_N
 ClientSampled :
 VE-4-11MSD

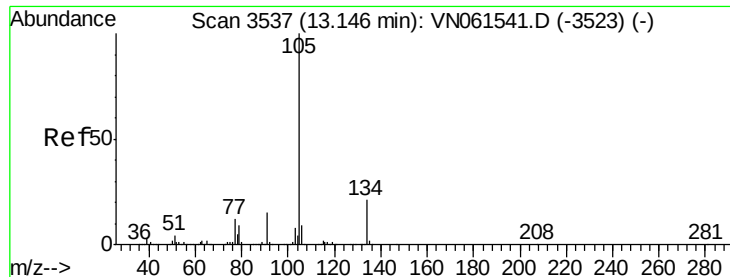
Tgt Ion:119 Resp: 653515
 Ion Ratio Lower Upper
 119 100
 91 61.1 31.3 93.8
 134 27.3 13.5 40.4



#84
 1,2,4-Trimethylbenzene
 Concen: 45.27 ug/l
 RT: 13.01 min Scan# 3496
 Delta R.T. 0.00 min
 Lab File: VN061675.D
 Acq: 5 Jun 2020 17:27

Tgt Ion:105 Resp: 756697
 Ion Ratio Lower Upper
 105 100
 120 47.7 23.2 69.5





#85

sec-Butylbenzene

Concen: 43.18 ug/l

RT: 13.15 min Scan# 3537

Delta R.T. 0.00 min

Lab File: VN061675.D

Acq: 5 Jun 2020 17:27

Instrument :

MSVOA_N

ClientSampled :

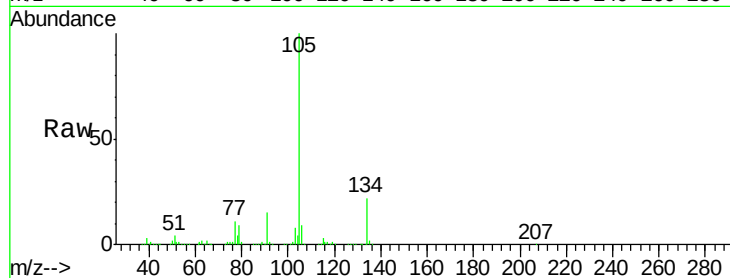
VE-4-11MSD

Tgt Ion:105 Resp: 827086

Ion Ratio Lower Upper

105 100

134 21.4 10.7 31.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

13.15

600000

500000

400000

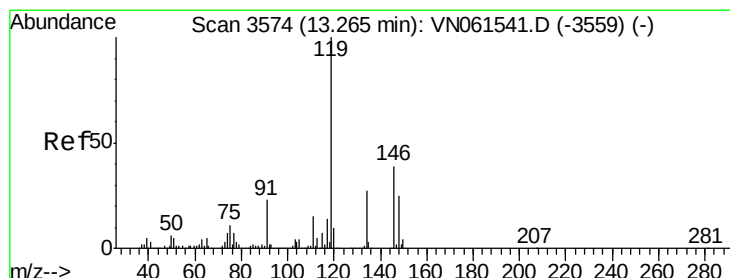
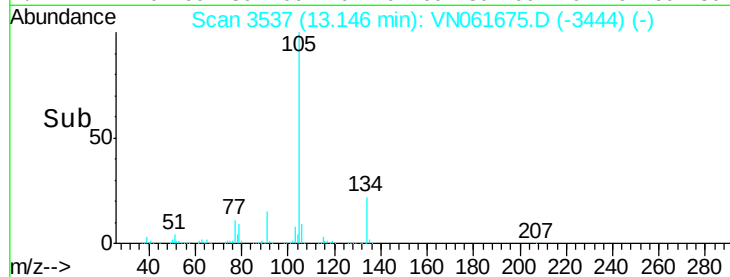
300000

200000

100000

0

Time--> 13.05 13.10 13.15 13.20



#86

p-Isopropyltoluene

Concen: 44.14 ug/l

RT: 13.26 min Scan# 3574

Delta R.T. 0.00 min

Lab File: VN061675.D

Acq: 5 Jun 2020 17:27

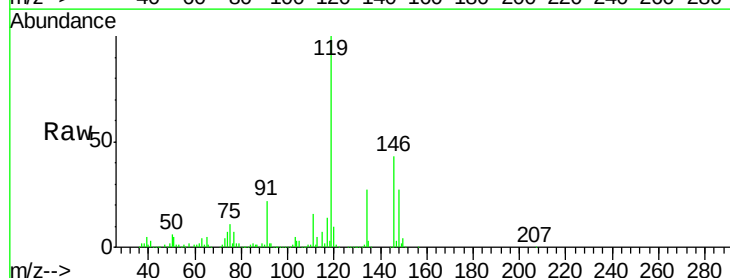
Tgt Ion:119 Resp: 778644

Ion Ratio Lower Upper

119 100

134 26.7 13.5 40.5

91 22.0 11.4 34.1



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

13.26

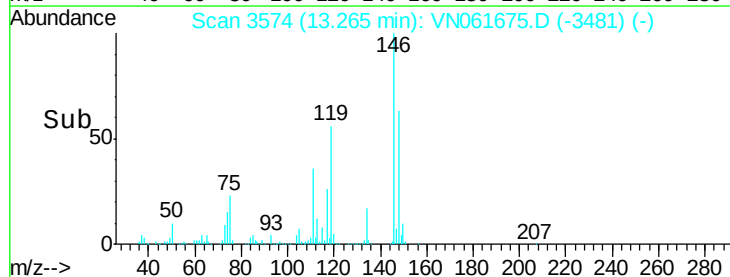
600000

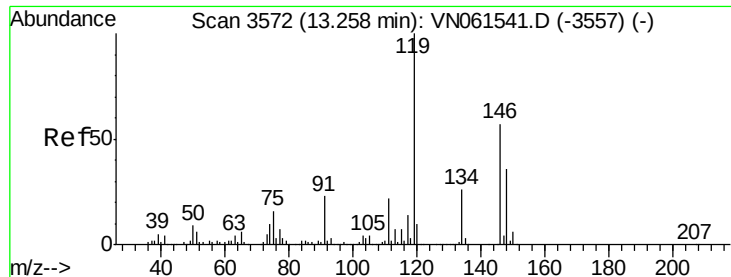
400000

200000

0

Time--> 13.20 13.30

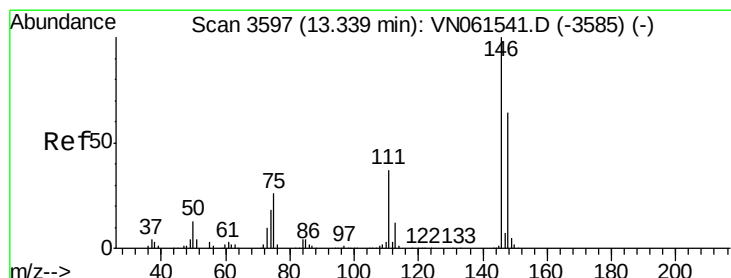
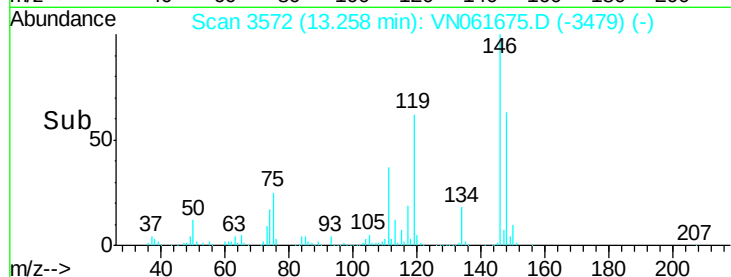
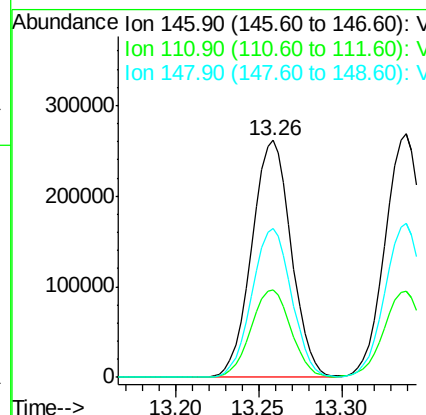
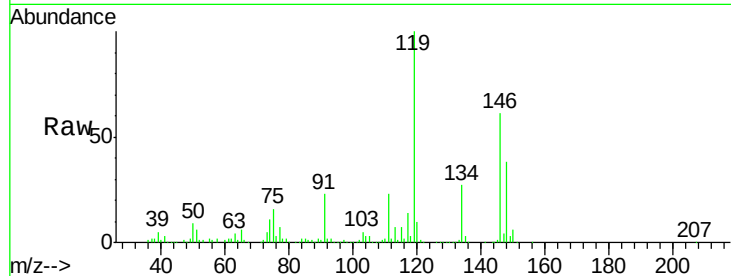




#87
 1,3-Dichlorobenzene
 Concen: 47.55 ug/l
 RT: 13.26 min Scan# 3572
 Delta R.T. 0.00 min
 Lab File: VN061675.D
 Acq: 5 Jun 2020 17:27

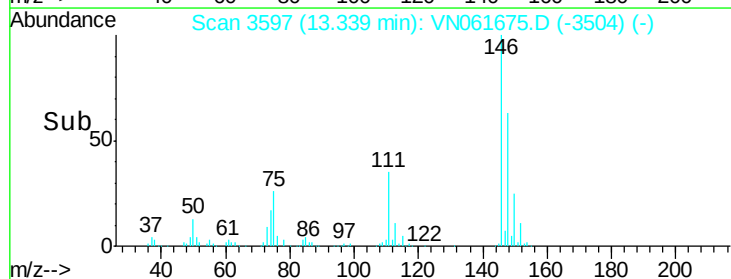
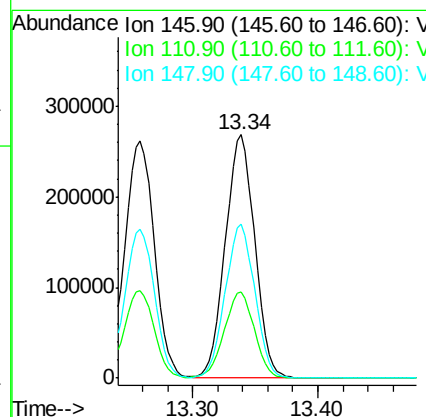
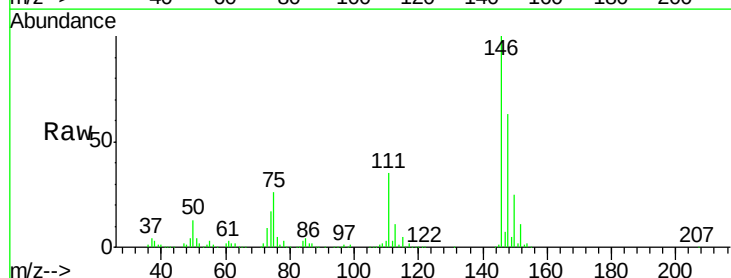
Instrument :
 MSVOA_N
 ClientSampleId :
 VE-4-11MSD

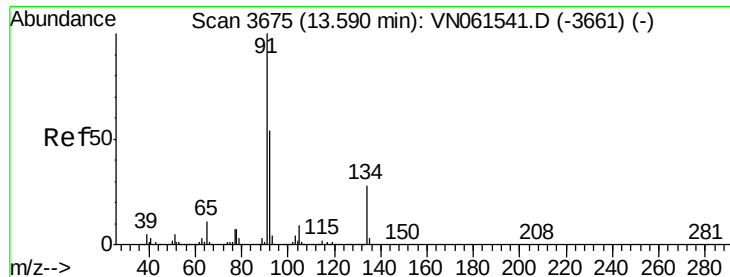
Tgt Ion:146 Resp: 432681
 Ion Ratio Lower Upper
 146 100
 111 37.4 19.2 57.6
 148 63.1 31.7 95.1



#88
 1,4-Dichlorobenzene
 Concen: 47.11 ug/l
 RT: 13.34 min Scan# 3597
 Delta R.T. 0.00 min
 Lab File: VN061675.D
 Acq: 5 Jun 2020 17:27

Tgt Ion:146 Resp: 436674
 Ion Ratio Lower Upper
 146 100
 111 36.0 18.9 56.9
 148 63.5 31.8 95.3





#89

n-Butylbenzene

Concen: 42.11 ug/l

RT: 13.59 min Scan# 3675

Delta R.T. 0.00 min

Lab File: VN061675.D

Acq: 5 Jun 2020 17:27

Instrument :

MSVOA_N

ClientSampled :

VE-4-11MSD

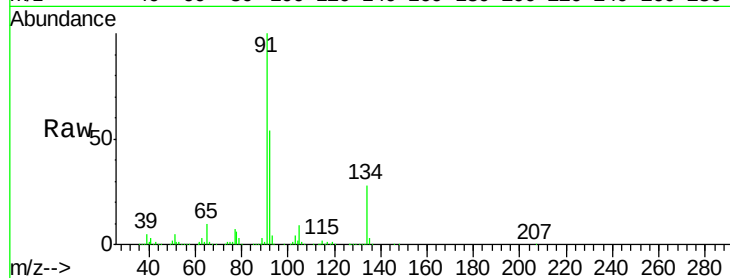
Tgt Ion: 91 Resp: 622276

Ion Ratio Lower Upper

91 100

92 53.6 27.2 81.6

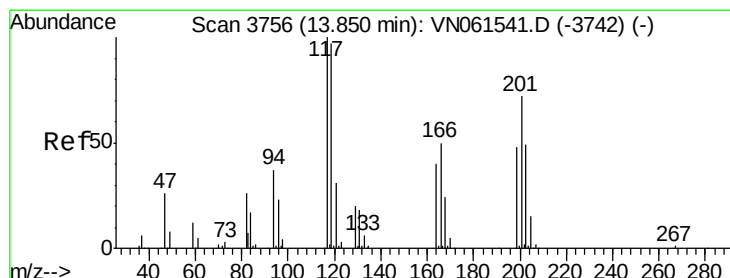
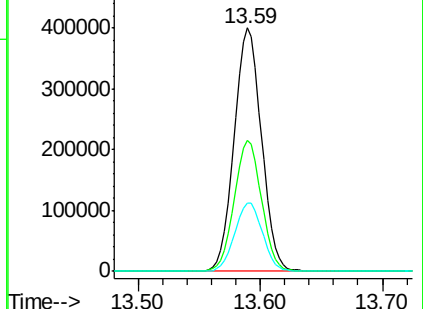
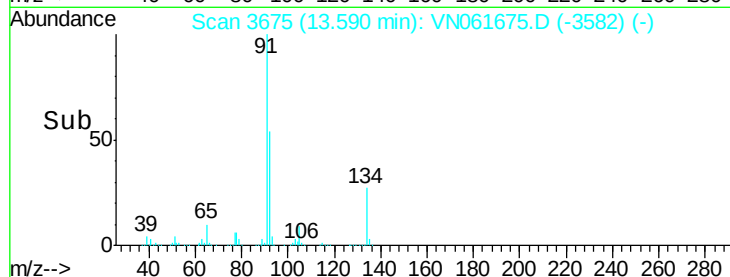
134 28.6 14.0 42.0



Abundance Ion 91.00 (90.70 to 91.70): VN061675.D (-3582) (-)

Ion 92.00 (91.70 to 92.70): VN061675.D (-3582) (-)

Ion 134.00 (133.70 to 134.70): VN061675.D (-3582) (-)



#90

Hexachloroethane

Concen: 59.68 ug/l

RT: 13.85 min Scan# 3756

Delta R.T. 0.00 min

Lab File: VN061675.D

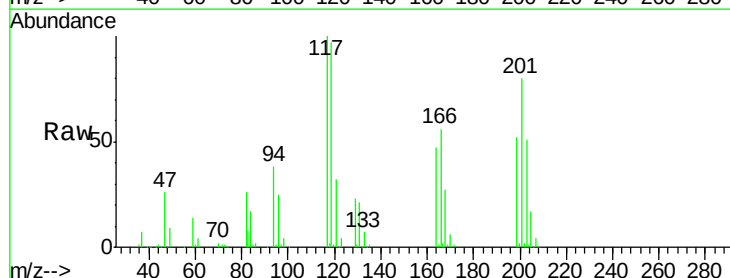
Acq: 5 Jun 2020 17:27

Tgt Ion: 117 Resp: 116435

Ion Ratio Lower Upper

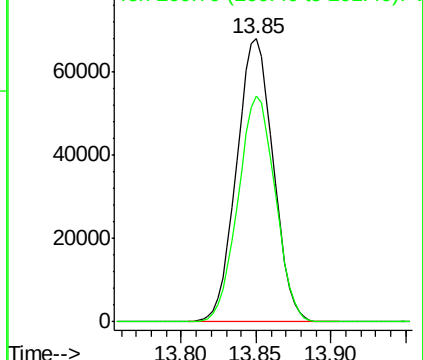
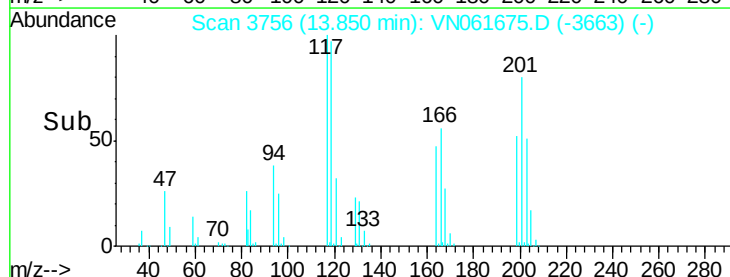
117 100

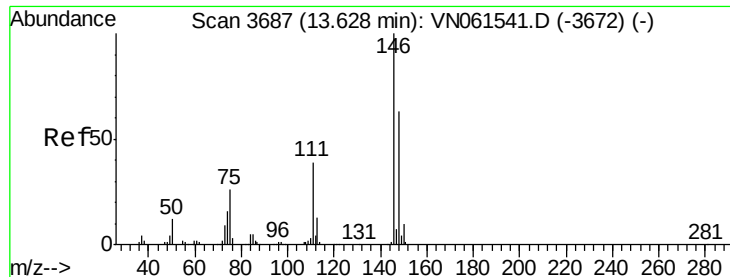
201 80.7 36.7 110.1



Abundance Ion 116.80 (116.50 to 117.50): VN061675.D (-3663) (-)

Ion 200.70 (200.40 to 201.40): VN061675.D (-3663) (-)

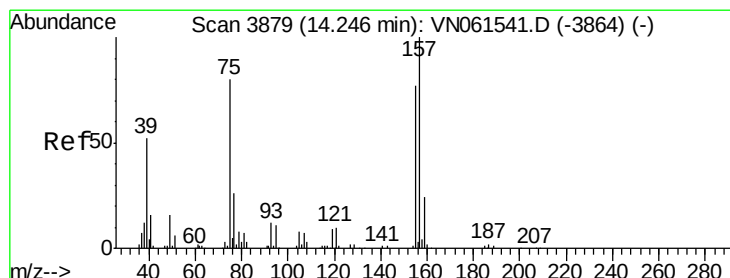
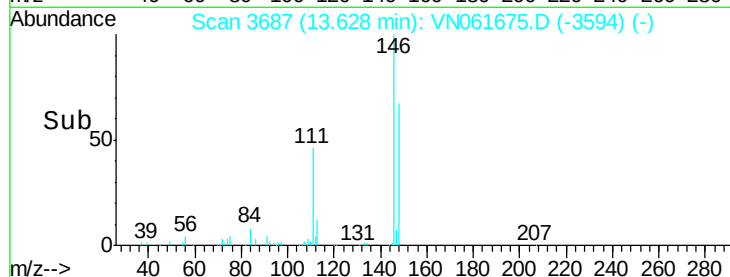
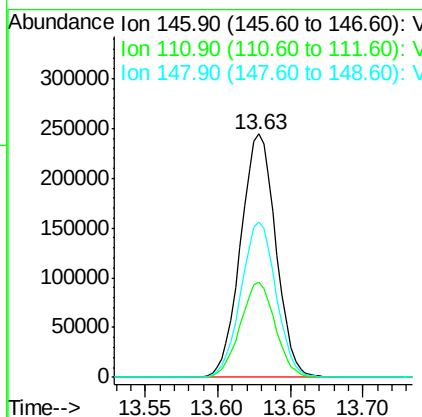
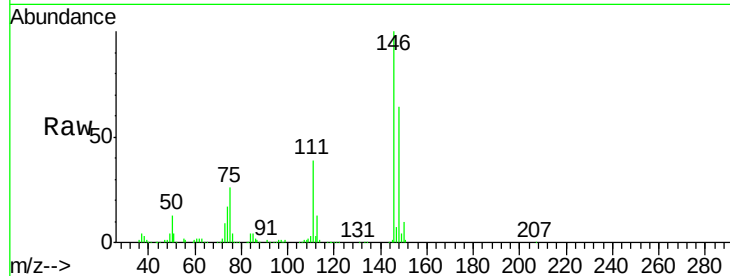




#91
 1,2-Dichlorobenzene
 Concen: 47.52 ug/l
 RT: 13.63 min Scan# 3687
 Delta R.T. 0.00 min
 Lab File: VN061675.D
 Acq: 5 Jun 2020 17:27

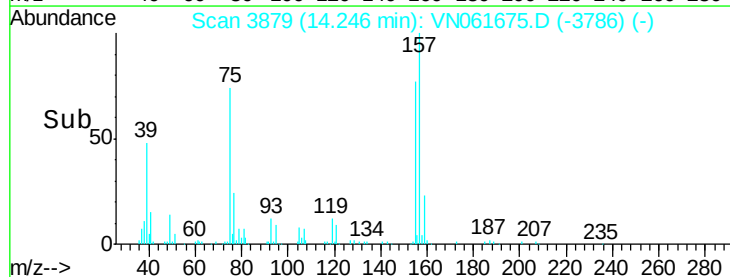
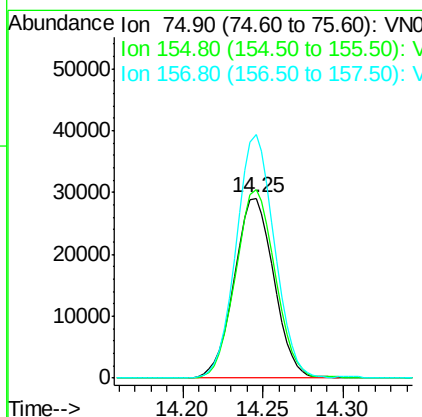
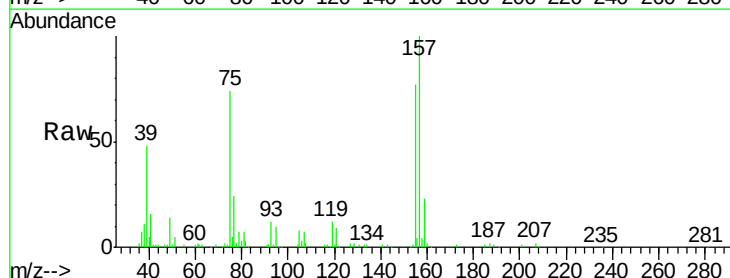
Instrument :
 MSVOA_N
 ClientSampleId :
 VE-4-11MSD

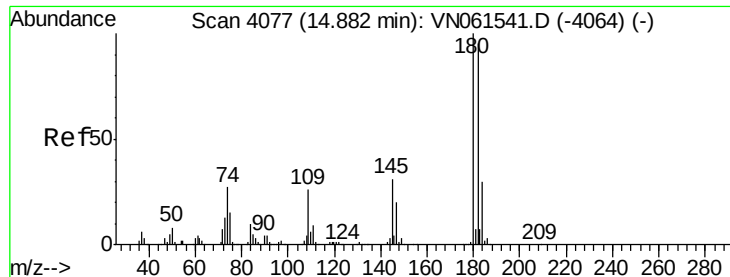
Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.7	20.1	60.2
148	63.9	31.9	95.5



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 42.59 ug/l
 RT: 14.25 min Scan# 3879
 Delta R.T. 0.00 min
 Lab File: VN061675.D
 Acq: 5 Jun 2020 17:27

Tgt Ion	Ratio	Lower	Upper
75	100		
155	104.8	47.1	141.4
157	130.5	60.3	180.8

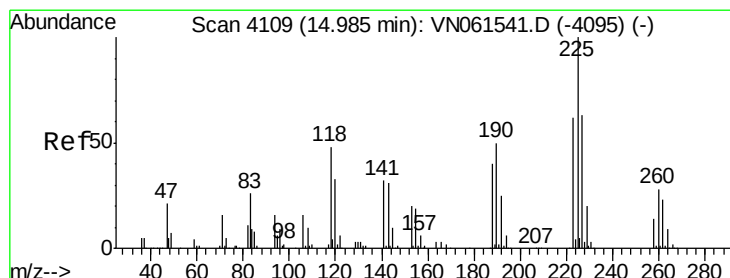
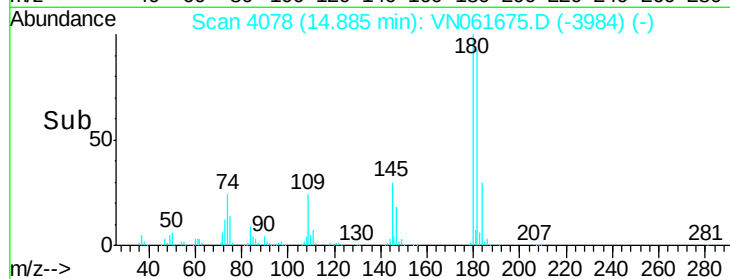
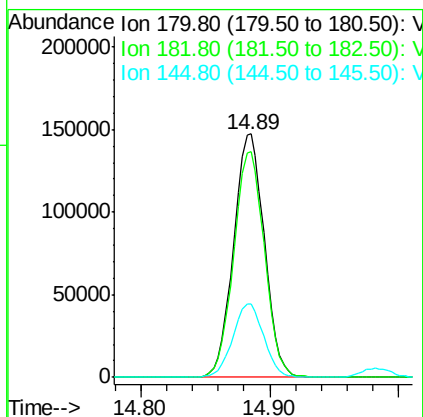
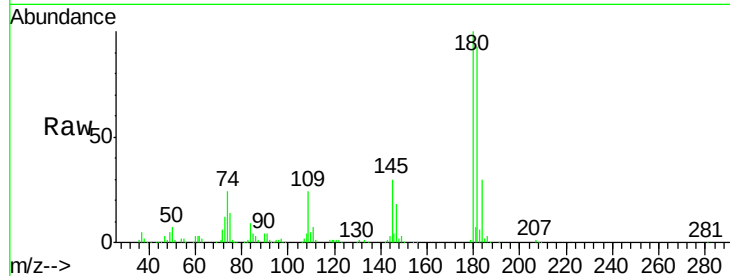




#93
 1,2,4-Trichlorobenzene
 Concen: 47.97 ug/l
 RT: 14.89 min Scan# 4078
 Delta R.T. 0.00 min
 Lab File: VN061675.D
 Acq: 5 Jun 2020 17:27

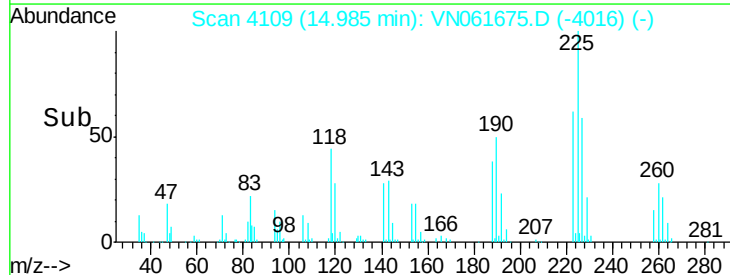
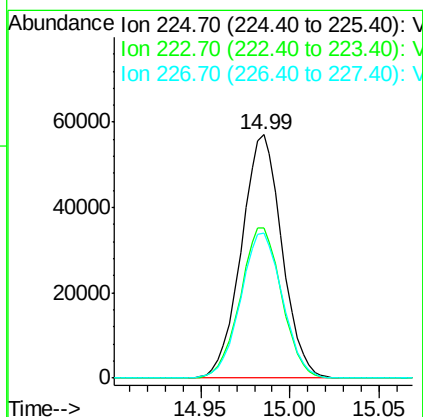
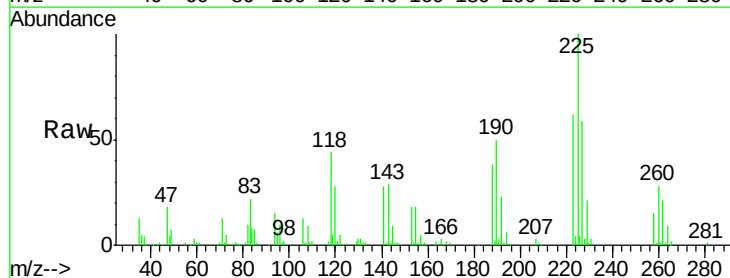
Instrument :
 MSVOA_N
 ClientSampleId :
 VE-4-11MSD

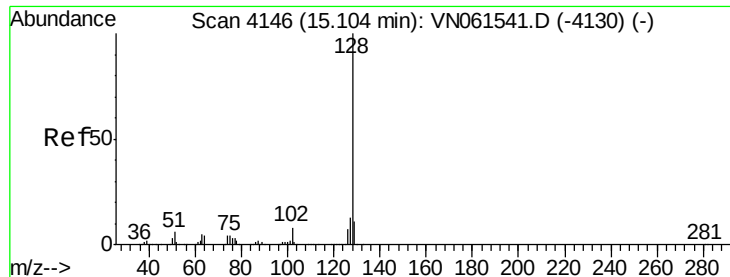
Tgt Ion:180 Resp: 243947
 Ion Ratio Lower Upper
 180 100
 182 92.9 47.8 143.3
 145 30.5 15.5 46.5



#94
 Hexachlorobutadiene
 Concen: 41.65 ug/l
 RT: 14.99 min Scan# 4109
 Delta R.T. 0.00 min
 Lab File: VN061675.D
 Acq: 5 Jun 2020 17:27

Tgt Ion:225 Resp: 90345
 Ion Ratio Lower Upper
 225 100
 223 63.2 31.9 95.5
 227 61.8 31.9 95.9





#95

Naphthalene

Concen: 49.08 ug/l

RT: 15.10 min Scan# 4146

Delta R.T. 0.00 min

Lab File: VN061675.D

Acq: 5 Jun 2020 17:27

Instrument :

MSVOA_N

ClientSampleId :

VE-4-11MSD

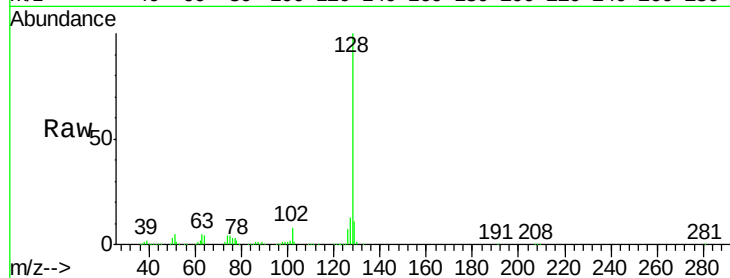
Tgt Ion:128 Resp: 759654

Ion Ratio Lower Upper

128 100

127 12.7 10.0 15.0

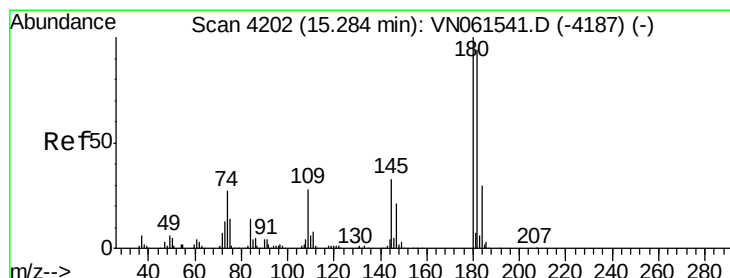
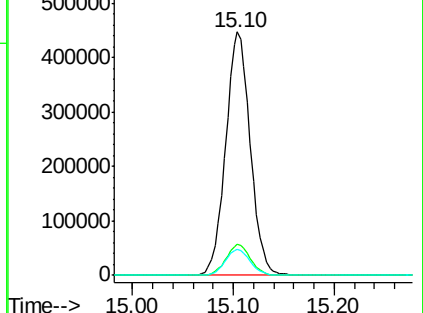
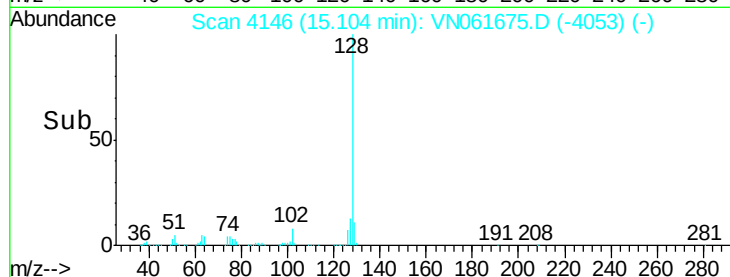
129 10.8 8.5 12.7



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: 46.79 ug/l

RT: 15.28 min Scan# 4202

Delta R.T. 0.00 min

Lab File: VN061675.D

Acq: 5 Jun 2020 17:27

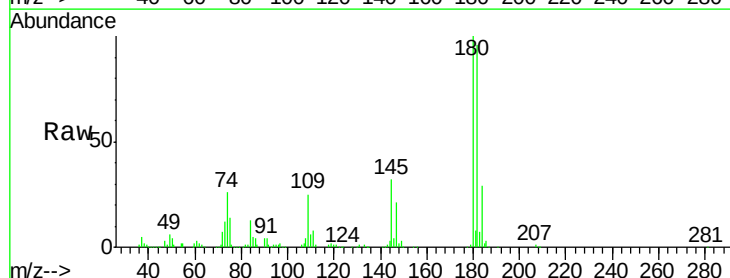
Tgt Ion:180 Resp: 233973

Ion Ratio Lower Upper

180 100

182 97.0 47.1 141.3

145 32.5 16.3 48.9



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

