

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN072920\
 Data File : VN062643.D
 Acq On : 29 Jul 2020 10:00
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Jul 30 02:55:43 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N072120W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 21 18:48:59 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.62	168	179383	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	277742	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	265441	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	118822	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.98	65	138200	49.59	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.18%	
35) Dibromofluoromethane	7.54	113	93751	51.39	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.78%	
50) Toluene-d8	10.06	98	365698	50.24	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.48%	
62) 4-Bromofluorobenzene	12.38	95	140449	52.77	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.54%	

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.83	85	97600	45.614	ug/l 99
3) Chloromethane	2.03	50	115328	39.739	ug/l 97
4) Vinyl Chloride	2.16	62	101979	40.535	ug/l 98
5) Bromomethane	2.51	94	53033	47.593	ug/l 96
6) Chloroethane	2.66	64	53288	46.825	ug/l 99
7) Trichlorofluoromethane	2.98	101	145509	49.261	ug/l 99
8) Diethyl Ether	3.37	74	62234	45.054	ug/l 97
9) 1,1,2-Trichlorotrifluoroet	3.71	101	91032	48.067	ug/l 99
10) Methyl Iodide	3.91	142	112373	46.412	ug/l 96
11) Tert butyl alcohol	4.73	59	86716	195.616	ug/l 100
12) 1,1-Dichloroethene	3.69	96	84642	44.068	ug/l 98
13) Acrolein	3.56	56	108112	234.403	ug/l 99
14) Allyl chloride	4.27	41	174079	41.899	ug/l 95
15) Acrylonitrile	4.93	53	269505	226.978	ug/l 99
16) Acetone	3.77	43	268912	256.441	ug/l 100
17) Carbon Disulfide	4.00	76	251975	39.927	ug/l 99
18) Methyl Acetate	4.27	43	123044	46.350	ug/l 97
19) Methyl tert-butyl Ether	4.99	73	333594	47.188	ug/l 99
20) Methylene Chloride	4.49	84	107389	42.699	ug/l 96
21) trans-1,2-Dichloroethene	4.98	96	91643	42.989	ug/l 100
22) Diisopropyl ether	5.90	45	362371	43.878	ug/l 99
23) Vinyl Acetate	5.84	43	1530352	226.153	ug/l 99
24) 1,1-Dichloroethane	5.79	63	197823	44.483	ug/l 99
25) 2-Butanone	6.78	43	363817	227.808	ug/l 98
26) 2,2-Dichloropropane	6.77	77	172608	47.280	ug/l 98
27) cis-1,2-Dichloroethene	6.77	96	106447	43.759	ug/l 98
28) Bromochloromethane	7.15	49	99109	45.284	ug/l 95
29) Tetrahydrofuran	7.16	42	234869	217.342	ug/l 98
30) Chloroform	7.33	83	195390	46.209	ug/l 97
31) Cyclohexane	7.61	56	170736	41.582	ug/l 95
32) 1,1,1-Trichloroethane	7.53	97	171743	48.649	ug/l 98
36) 1,1-Dichloropropene	7.75	75	146808	49.590	ug/l 99
37) Ethyl Acetate	6.88	43	152066	47.652	ug/l 98
38) Carbon Tetrachloride	7.73	117	151381	53.198	ug/l 99

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 Quant Title : SW846 8260
 QLast Update : Tue Jul 21 18:48:59 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.04	83	161226	50.592	ug/l	98
40) Benzene	8.00	78	425053	47.425	ug/l	99
41) Methacrylonitrile	7.12	41	64305	47.018	ug/l	97
42) 1,2-Dichloroethane	8.08	62	172760	52.724	ug/l	98
43) Isopropyl Acetate	8.12	43	248737	48.351	ug/l #	92
44) Trichloroethene	8.80	130	99455	49.207	ug/l	100
45) 1,2-Dichloropropane	9.08	63	119941	47.663	ug/l	98
46) Dibromomethane	9.17	93	73665	50.649	ug/l	98
47) Bromodichloromethane	9.37	83	160417	50.910	ug/l	100
48) Methyl methacrylate	9.16	41	121005	49.481	ug/l	98
49) 1,4-Dioxane	9.17	88	35383	942.043	ug/l	95
51) 4-Methyl-2-Pentanone	9.95	43	761141	247.275	ug/l	99
52) Toluene	10.12	92	255971	49.184	ug/l	98
53) t-1,3-Dichloropropene	10.35	75	182617	52.061	ug/l	100
54) cis-1,3-Dichloropropene	9.81	75	193608	51.438	ug/l	98
55) 1,1,2-Trichloroethane	10.53	97	101497	50.279	ug/l	98
56) Ethyl methacrylate	10.40	69	171142	47.313	ug/l	97
57) 1,3-Dichloropropane	10.68	76	186017	50.298	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.66	63	265683	243.665	ug/l	99
59) 2-Hexanone	10.72	43	561381	235.991	ug/l	100
60) Dibromochloromethane	10.87	129	117336	52.102	ug/l	98
61) 1,2-Dibromoethane	10.98	107	104626	49.773	ug/l	99
64) Tetrachloroethene	10.60	164	83397	48.356	ug/l	98
65) Chlorobenzene	11.40	112	268097	48.177	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.48	131	103379	49.382	ug/l	98
67) Ethyl Benzene	11.48	91	505803	49.573	ug/l	99
68) m/p-Xylenes	11.59	106	375584	102.414	ug/l	99
69) o-Xylene	11.92	106	174888	50.220	ug/l	96
70) Styrene	11.94	104	312353	53.097	ug/l	99
71) Bromoform	12.10	173	81132	51.616	ug/l #	99
73) Isopropylbenzene	12.22	105	487942	51.934	ug/l	99
74) N-amyl acetate	12.04	43	222045	52.920	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.48	83	153089	46.889	ug/l	99
76) 1,2,3-Trichloropropane	12.53	75	211046	69.780	ug/l #	100
77) Bromobenzene	12.50	156	114170	50.565	ug/l	97
78) n-propylbenzene	12.56	91	579989	52.700	ug/l	99
79) 2-Chlorotoluene	12.65	91	345417	50.928	ug/l	100
80) 1,3,5-Trimethylbenzene	12.71	105	429020	55.049	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.27	75	55908	51.459	ug/l	96
82) 4-Chlorotoluene	12.75	91	363689	51.517	ug/l	99
83) tert-Butylbenzene	12.97	119	352561	54.480	ug/l	98
84) 1,2,4-Trimethylbenzene	13.01	105	417668	54.630	ug/l	98
85) sec-Butylbenzene	13.15	105	451895	52.159	ug/l	100
86) p-Isopropyltoluene	13.26	119	394055	52.882	ug/l	99
87) 1,3-Dichlorobenzene	13.26	146	192992	48.708	ug/l	100
88) 1,4-Dichlorobenzene	13.34	146	189060	48.471	ug/l	99
89) n-Butylbenzene	13.59	91	339765	53.066	ug/l	100
90) Hexachloroethane	13.85	117	69598	43.875	ug/l	98
91) 1,2-Dichlorobenzene	13.62	146	181682	47.954	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.24	75	27188	45.866	ug/l	98

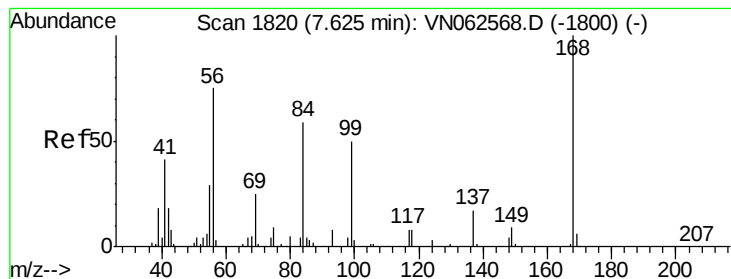
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Quant Title : SW846 8260
QLast Update : Tue Jul 21 18:48:59 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.88	180	84837	43.048	ug/l	99
94) Hexachlorobutadiene	14.98	225	55669	54.352	ug/l	99
95) Naphthalene	15.10	128	214155	41.240	ug/l	99
96) 1,2,3-Trichlorobenzene	15.28	180	84326	47.229	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.62 min Scan# 1818

Delta R.T. -0.01 min

Lab File: VN062643.D

Acq: 29 Jul 2020 10:00

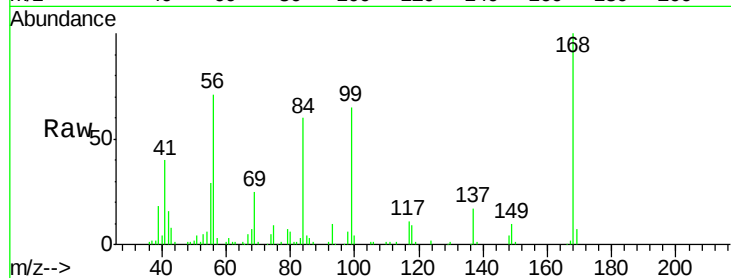
Instrument :
MSVOA_N
ClientSampled :

Tot Ion:168 Resp: 179383

Ion Ratio Lower Upper

168 100

99 65.2 48.4 72.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.62

80000

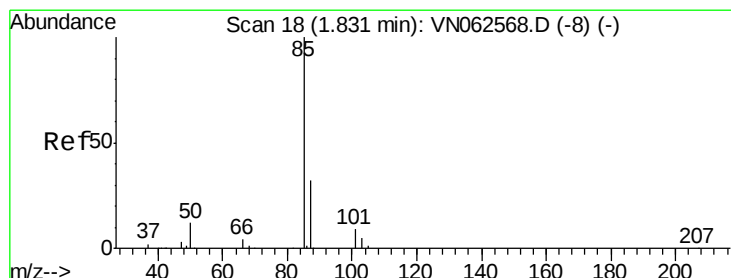
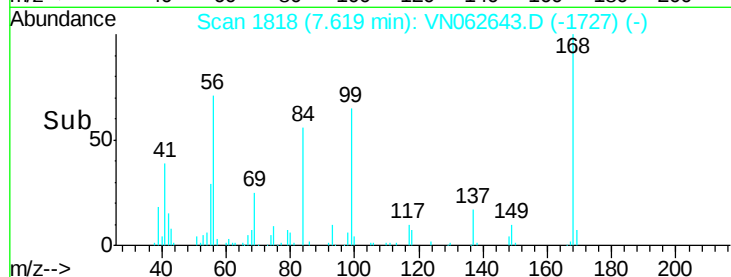
60000

40000

20000

0

Time--> 7.50 7.60 7.70



#2

Dichlorodifluoromethane

Concen: 45.614 ug/l

RT: 1.83 min Scan# 18

Delta R.T. -0.00 min

Lab File: VN062643.D

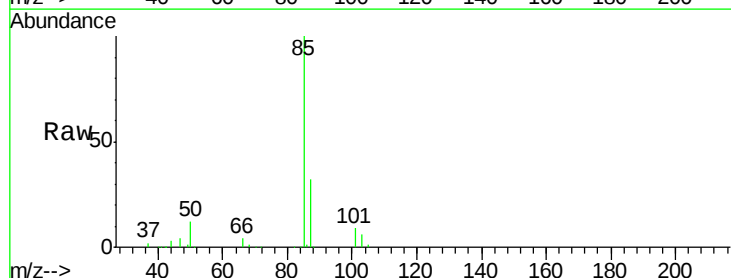
Acq: 29 Jul 2020 10:00

Tgt Ion: 85 Resp: 97600

Ion Ratio Lower Upper

85 100

87 32.4 16.0 48.0



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.83

80000

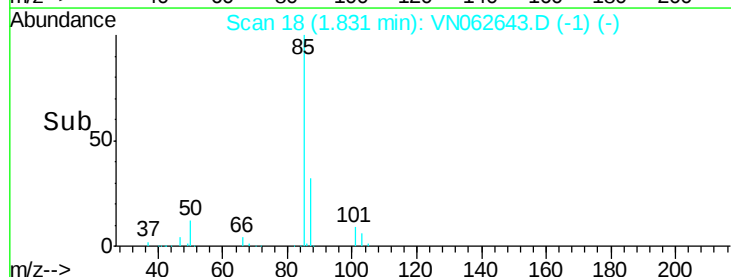
60000

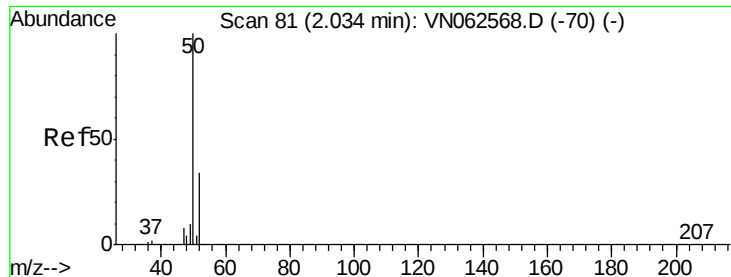
40000

20000

0

Time--> 1.75 1.80 1.85 1.90





#3

Chloromethane

Concen: 39.739 ug/l

RT: 2.03 min Scan# 81

Delta R.T. -0.00 min

Lab File: VN062643.D

Acq: 29 Jul 2020 10:00

Instrument :

MSVOA_N

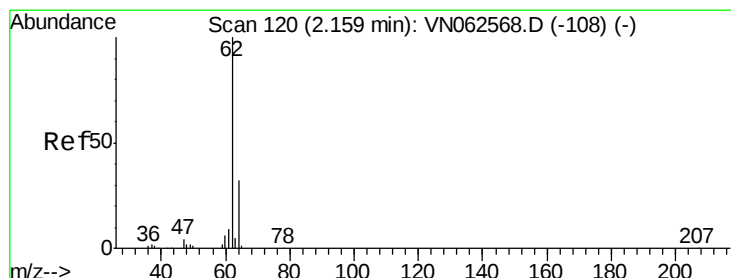
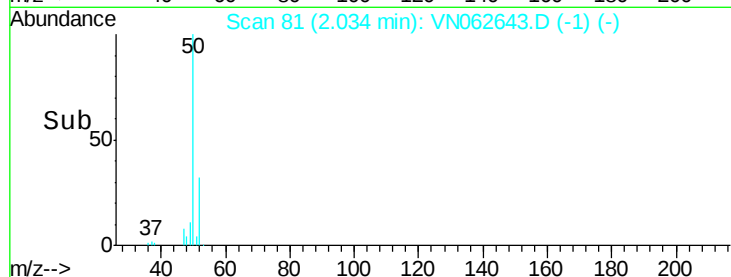
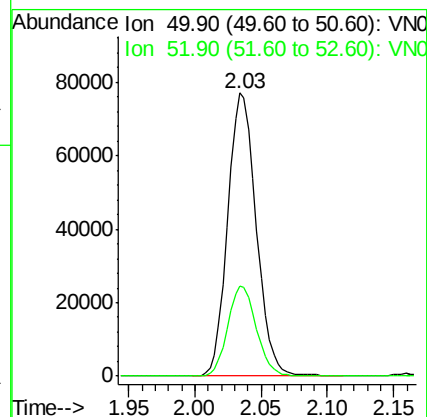
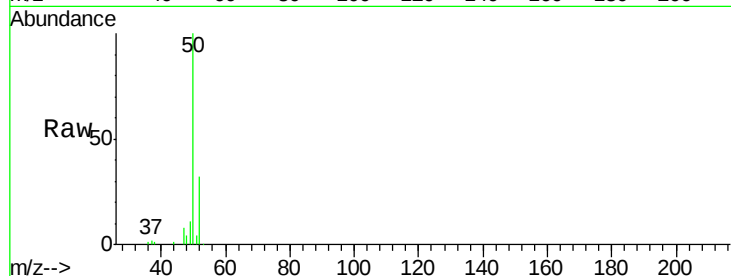
ClientSampleId :

Tot Ion: 50 Resp: 115328

Ion Ratio Lower Upper

50 100

52 32.0 27.0 40.4



#4

Vinyl Chloride

Concen: 40.535 ug/l

RT: 2.16 min Scan# 120

Delta R.T. -0.00 min

Lab File: VN062643.D

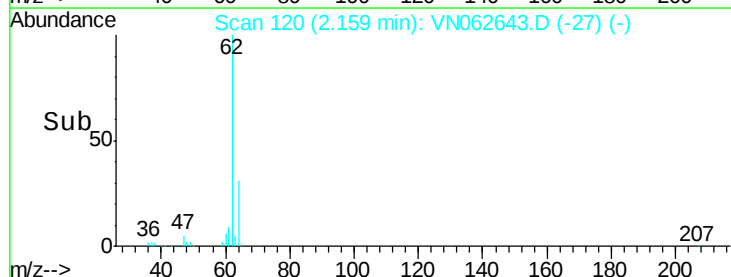
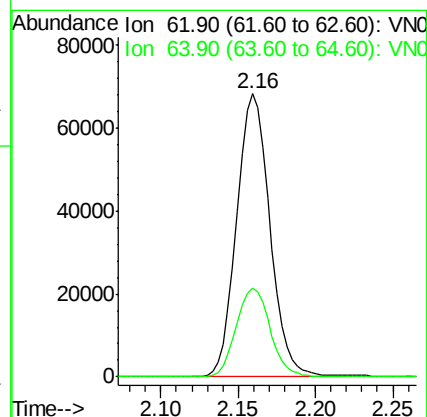
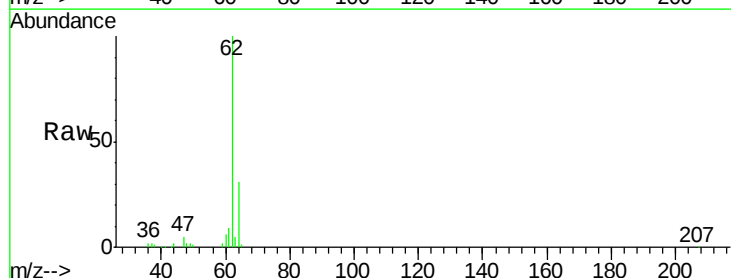
Acq: 29 Jul 2020 10:00

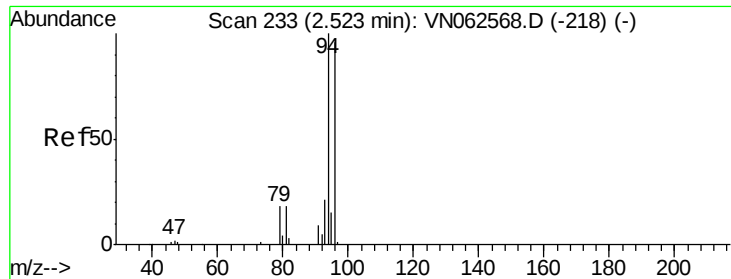
Tgt Ion: 62 Resp: 101979

Ion Ratio Lower Upper

62 100

64 31.2 25.8 38.8





#5

Bromomethane

Concen: 47.593 ug/l

RT: 2.51 min Scan# 230

Delta R.T. -0.01 min

Lab File: VN062643.D

Acq: 29 Jul 2020 10:00

Instrument :

MSVOA_N

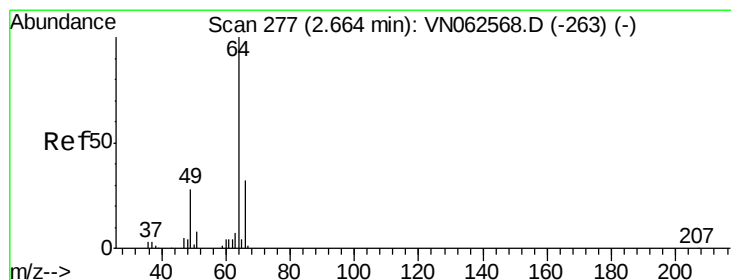
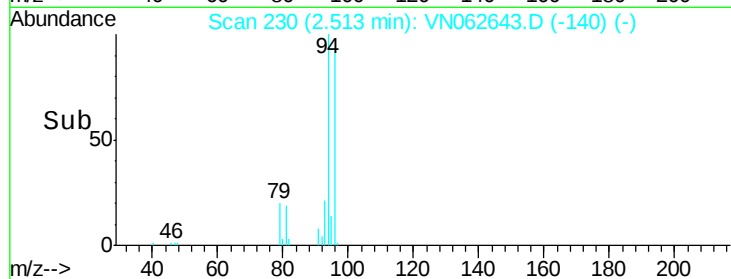
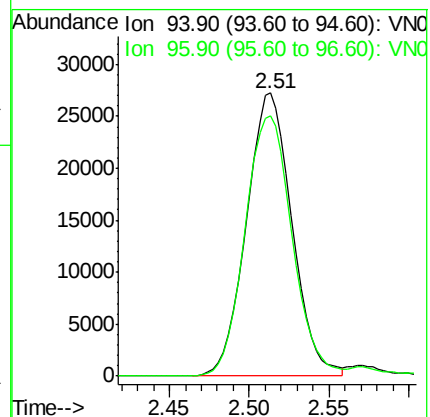
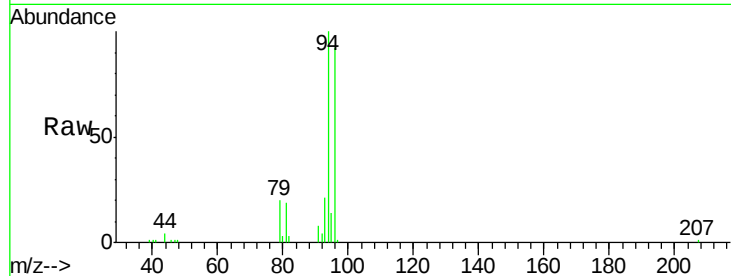
ClientSampleId :

Tot Ion: 94 Resp: 53033

Ion Ratio Lower Upper

94 100

96 91.9 76.6 114.8



#6

Chloroethane

Concen: 46.825 ug/l

RT: 2.66 min Scan# 276

Delta R.T. -0.00 min

Lab File: VN062643.D

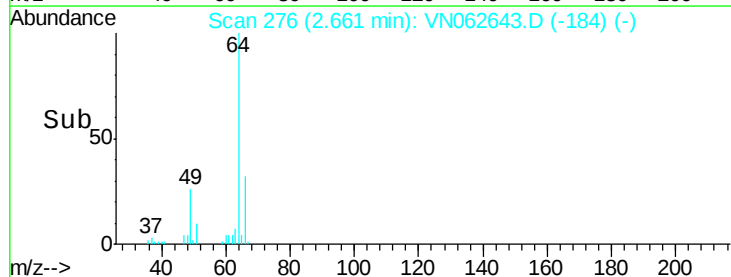
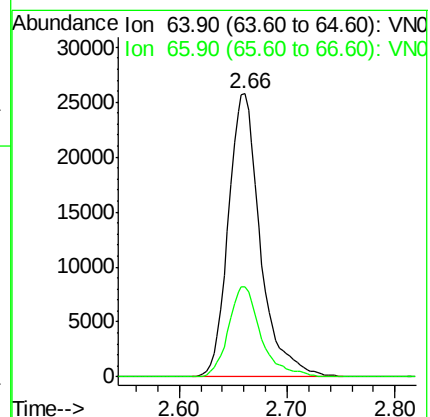
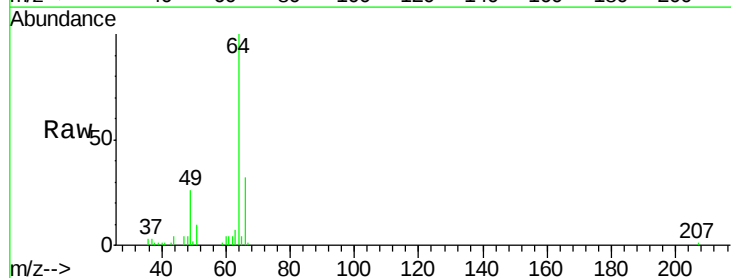
Acq: 29 Jul 2020 10:00

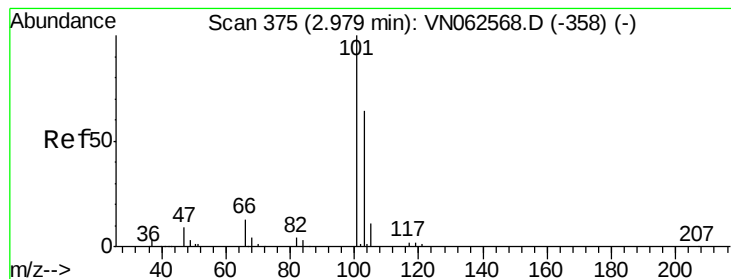
Tgt Ion: 64 Resp: 53288

Ion Ratio Lower Upper

64 100

66 31.8 25.8 38.8



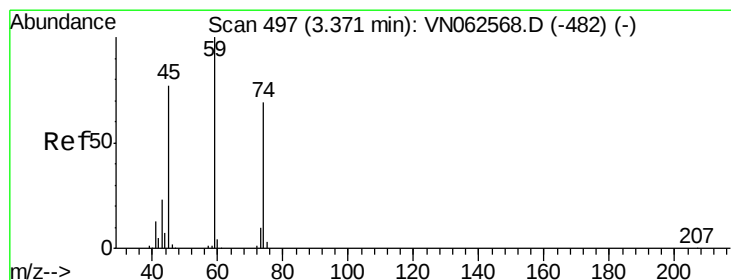
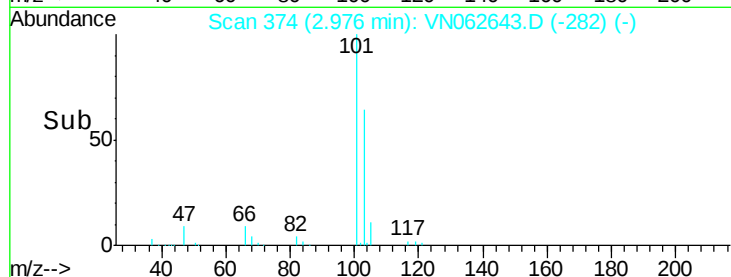
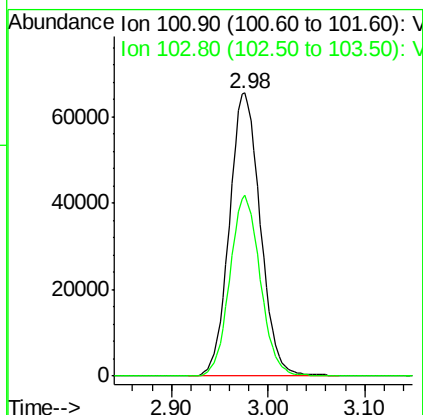
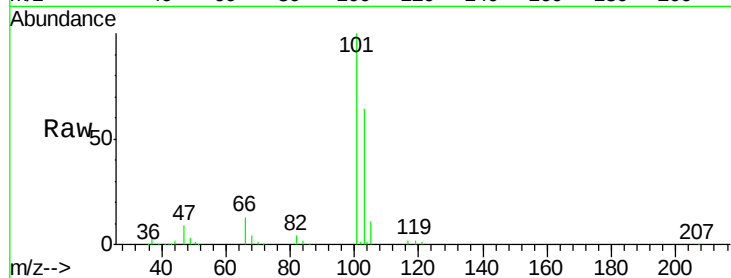


#7

Trichlorofluoromethane
 Concen: 49.261 ug/l
 RT: 2.98 min Scan# 374
 Delta R.T. -0.00 min
 Lab File: VN062643.D
 Acq: 29 Jul 2020 10:00

Instrument :
 MSVOA_N
 ClientSampled :

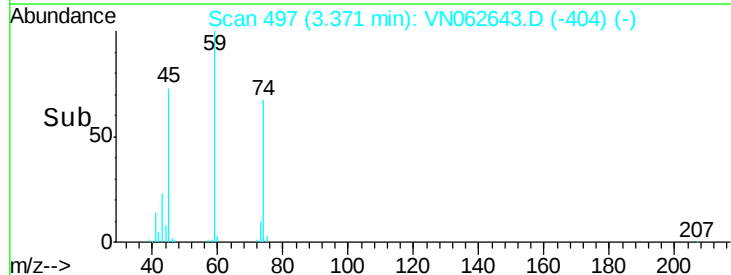
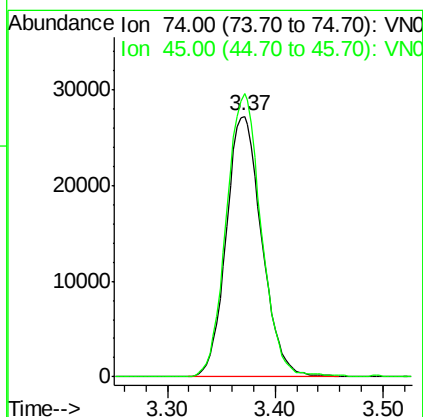
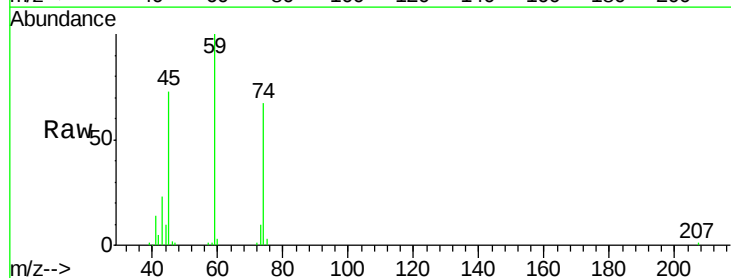
Tot Ion:101 Resp: 145509
 Ion Ratio Lower Upper
 101 100
 103 63.9 51.5 77.3

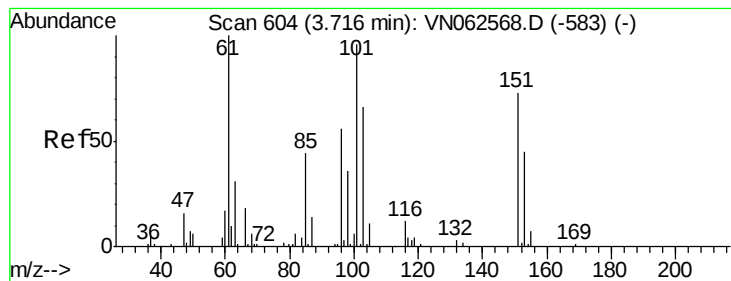


#8

Diethyl Ether
 Concen: 45.054 ug/l
 RT: 3.37 min Scan# 497
 Delta R.T. -0.00 min
 Lab File: VN062643.D
 Acq: 29 Jul 2020 10:00

Tgt Ion: 74 Resp: 62234
 Ion Ratio Lower Upper
 74 100
 45 106.8 55.3 165.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 48.067 ug/l

RT: 3.71 min Scan# 603

Delta R.T. -0.00 min

Lab File: VN062643.D

Acq: 29 Jul 2020 10:00

Instrument :

MSVOA_N

ClientSampled :

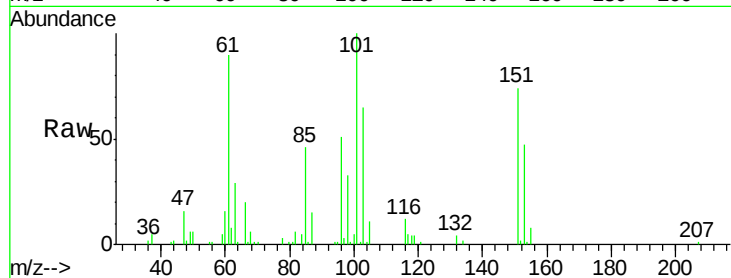
Tot Ion:101 Resp: 91032

Ion Ratio Lower Upper

101 100

85 45.7 36.0 54.0

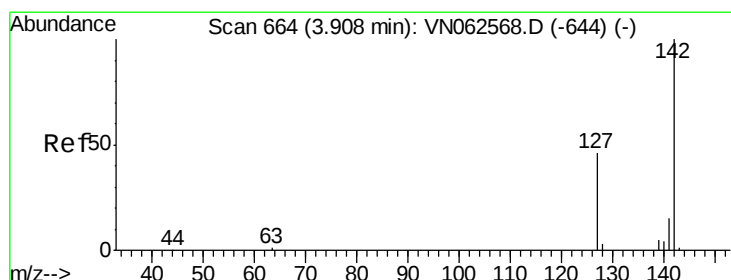
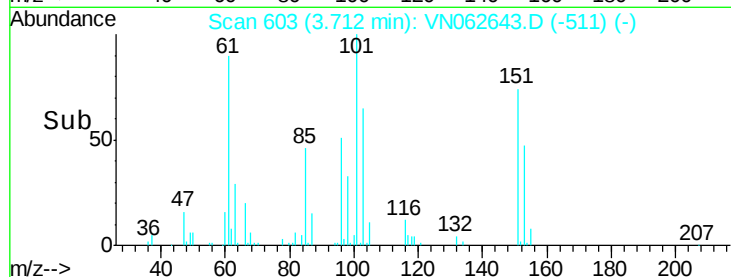
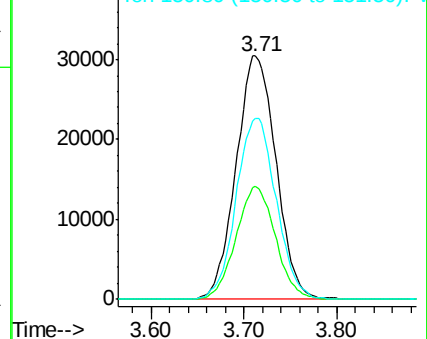
151 74.5 60.0 90.0



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 46.412 ug/l

RT: 3.91 min Scan# 663

Delta R.T. -0.00 min

Lab File: VN062643.D

Acq: 29 Jul 2020 10:00

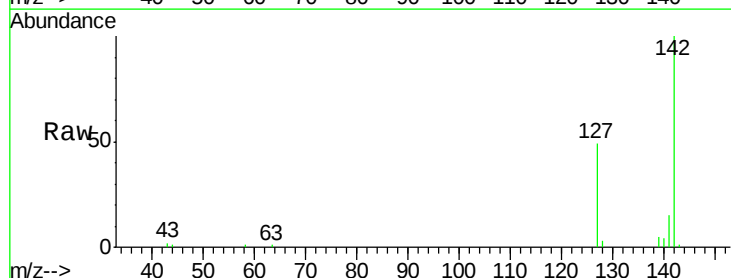
Tgt Ion:142 Resp: 112373

Ion Ratio Lower Upper

142 100

127 49.5 37.4 56.0

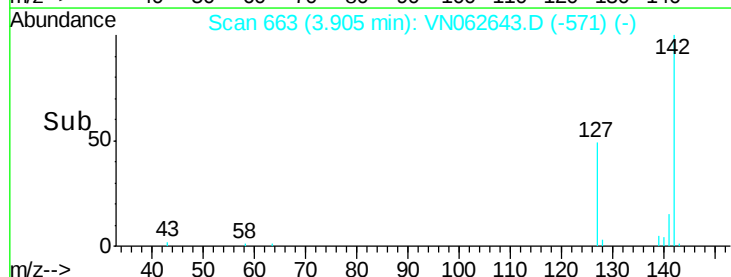
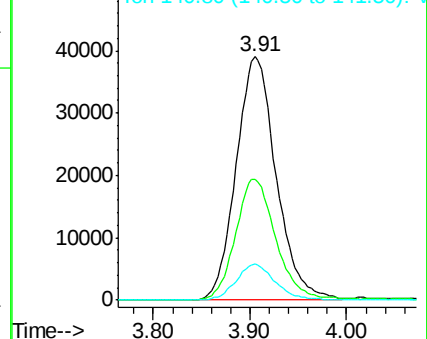
141 14.3 11.9 17.9

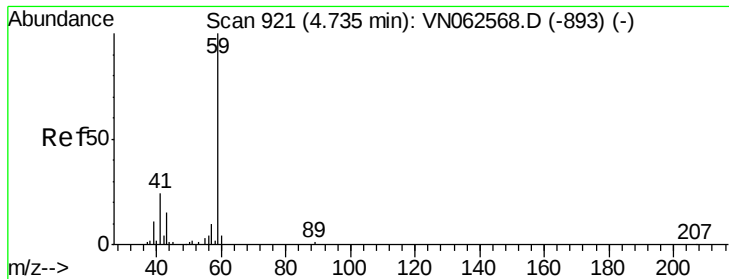


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



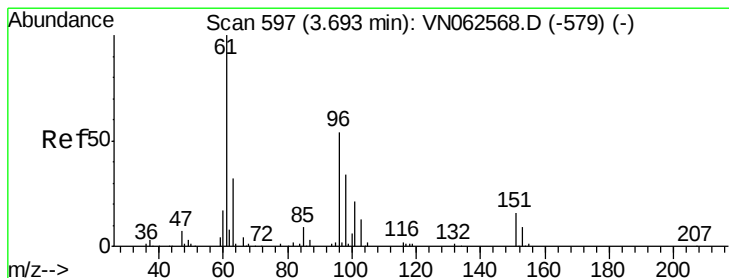
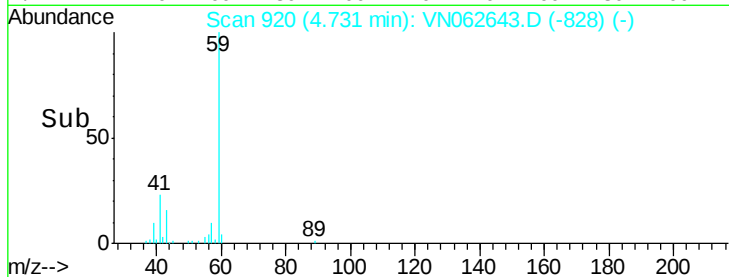
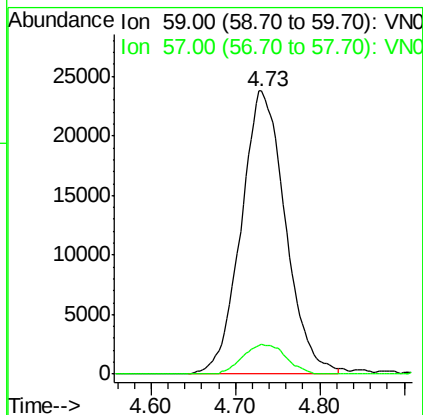
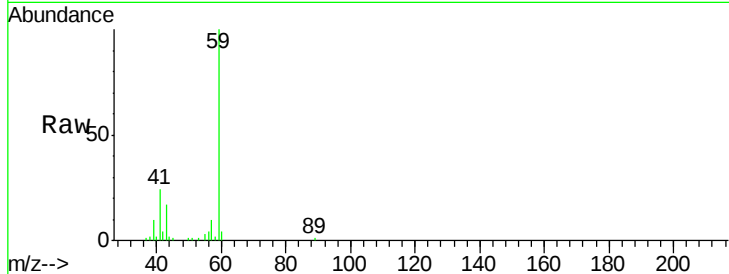


#11

Tert butyl alcohol
 Concen: 195.616 ug/l
 RT: 4.73 min Scan# 920
 Delta R.T. -0.00 min
 Lab File: VN062643.D
 Acq: 29 Jul 2020 10:00

Instrument :
 MSVOA_N
 ClientSampled :

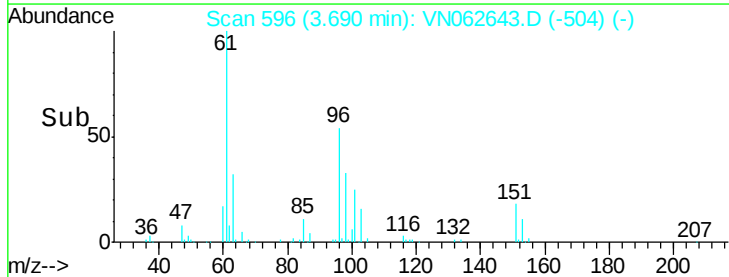
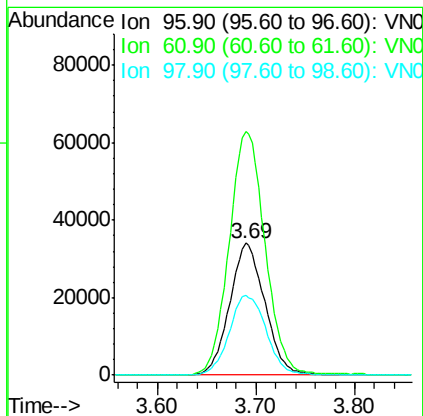
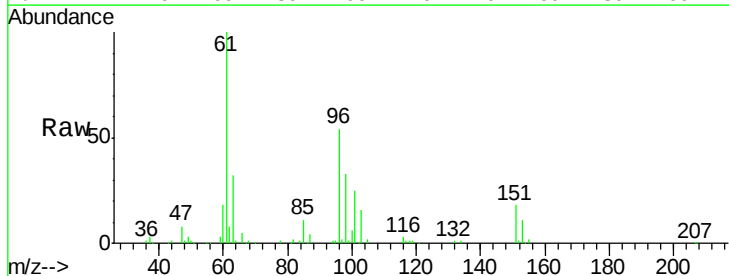
Tot Ion: 59 Resp: 86716
 Ion Ratio Lower Upper
 59 100
 57 10.2 8.2 12.2

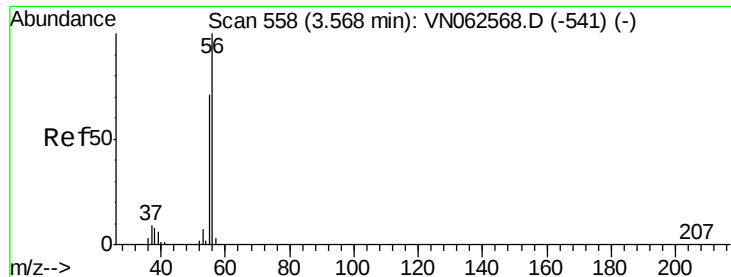


#12

1,1-Dichloroethene
 Concen: 44.068 ug/l
 RT: 3.69 min Scan# 596
 Delta R.T. -0.00 min
 Lab File: VN062643.D
 Acq: 29 Jul 2020 10:00

Tgt Ion: 96 Resp: 84642
 Ion Ratio Lower Upper
 96 100
 61 184.6 148.6 222.8
 98 60.1 50.6 75.8





#13

Acrolein

Concen: 234.403 ug/l

RT: 3.56 min Scan# 556

Delta R.T. -0.01 min

Lab File: VN062643.D

Acq: 29 Jul 2020 10:00

Instrument :

MSVOA_N

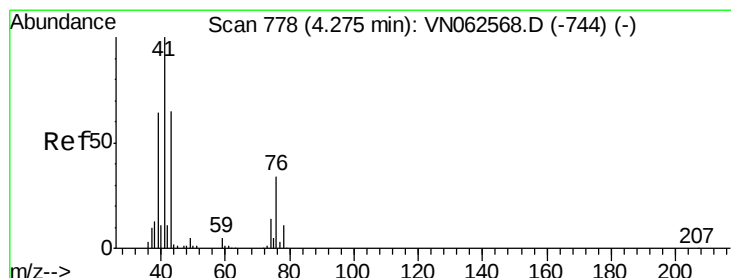
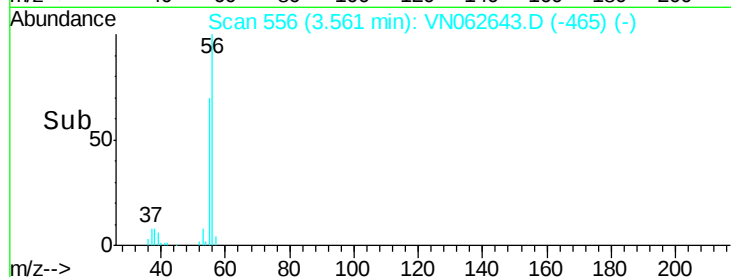
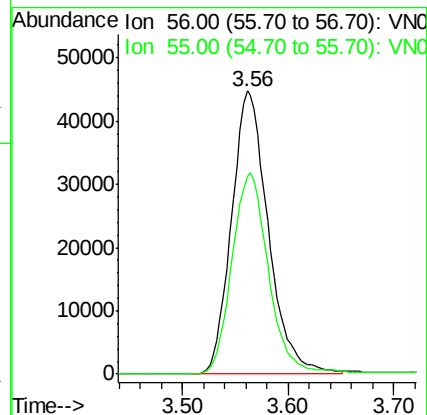
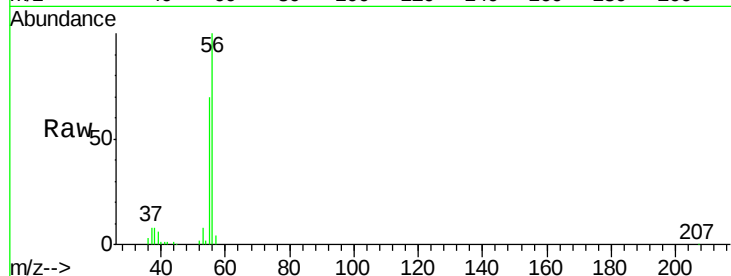
ClientSampled :

Tot Ion: 56 Resp: 108112

Ion Ratio Lower Upper

56 100

55 70.8 57.0 85.4



#14

Allyl chloride

Concen: 41.899 ug/l

RT: 4.27 min Scan# 777

Delta R.T. -0.00 min

Lab File: VN062643.D

Acq: 29 Jul 2020 10:00

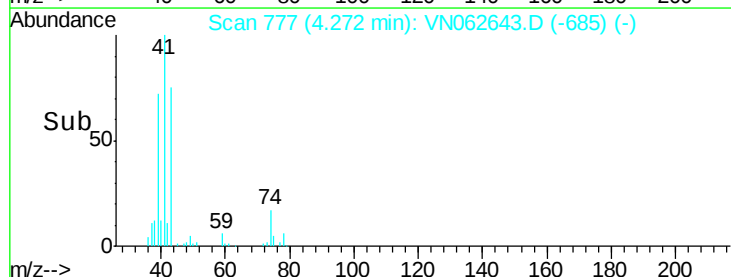
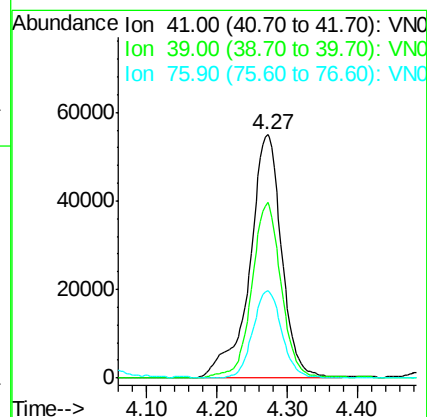
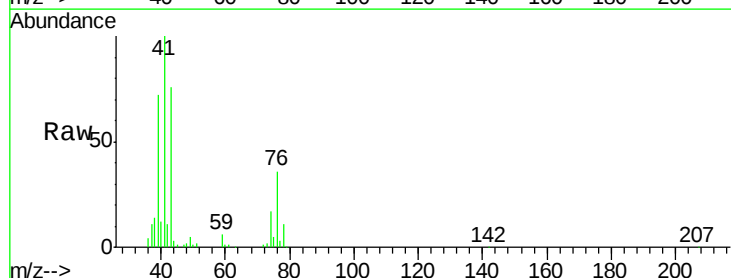
Tgt Ion: 41 Resp: 174079

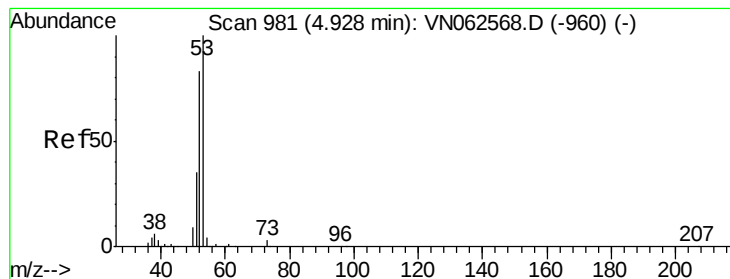
Ion Ratio Lower Upper

41 100

39 66.3 49.0 73.4

76 31.3 24.0 36.0





#15

Acrylonitrile

Concen: 226.978 ug/l

RT: 4.93 min Scan# 981

Delta R.T. -0.00 min

Lab File: VN062643.D

Acq: 29 Jul 2020 10:00

Instrument :

MSVOA_N

ClientSampleId :

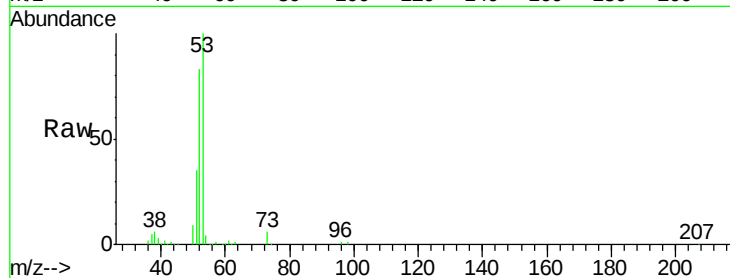
Tot Ion: 53 Resp: 269505

Ion Ratio Lower Upper

53 100

52 81.8 66.3 99.5

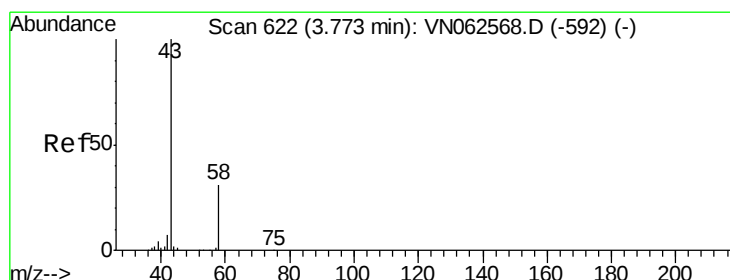
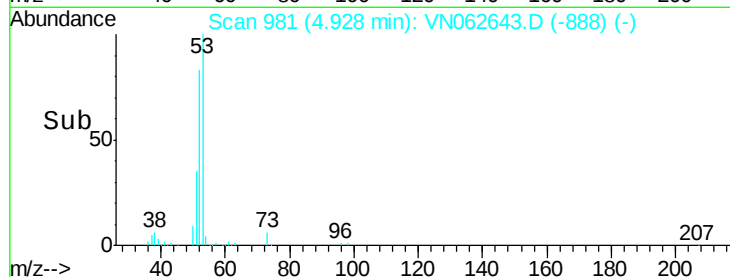
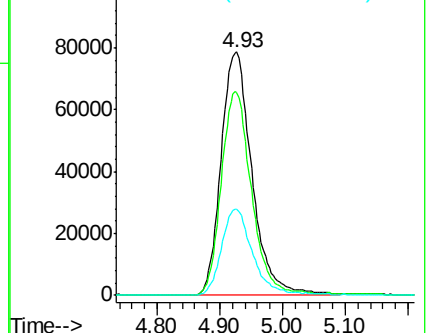
51 35.1 28.6 43.0



Abundance Ion 53.00 (52.70 to 53.70): VN062643.D (-960) (-)

Ion 52.00 (51.70 to 52.70): VN062643.D (-960) (-)

Ion 51.00 (50.70 to 51.70): VN062643.D (-960) (-)



#16

Acetone

Concen: 256.441 ug/l

RT: 3.77 min Scan# 621

Delta R.T. -0.00 min

Lab File: VN062643.D

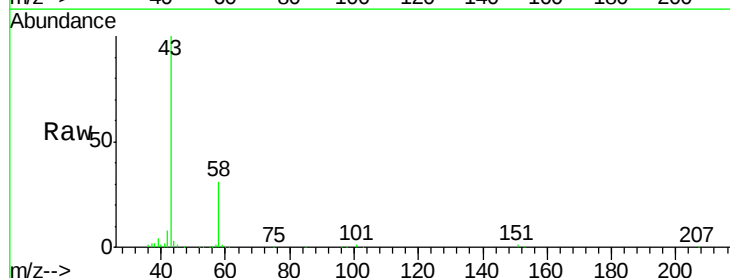
Acq: 29 Jul 2020 10:00

Tgt Ion: 43 Resp: 268912

Ion Ratio Lower Upper

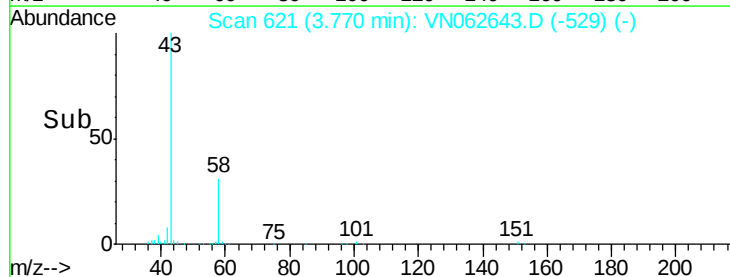
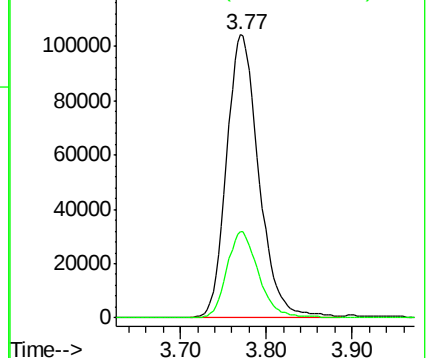
43 100

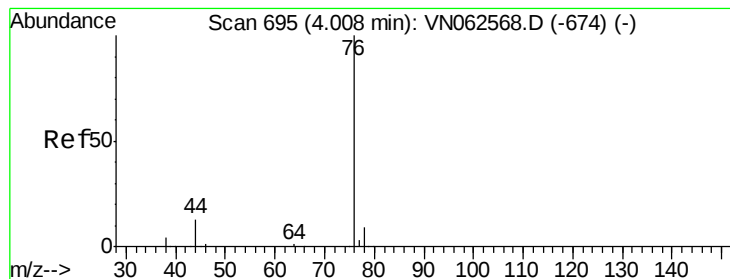
58 30.7 24.6 37.0



Abundance Ion 43.00 (42.70 to 43.70): VN062643.D (-529) (-)

Ion 58.00 (57.70 to 58.70): VN062643.D (-529) (-)





#17

Carbon Disulfide

Concen: 39.927 ug/l

RT: 4.00 min Scan# 694

Delta R.T. -0.00 min

Lab File: VN062643.D

Acq: 29 Jul 2020 10:00

Instrument :

MSVOA_N

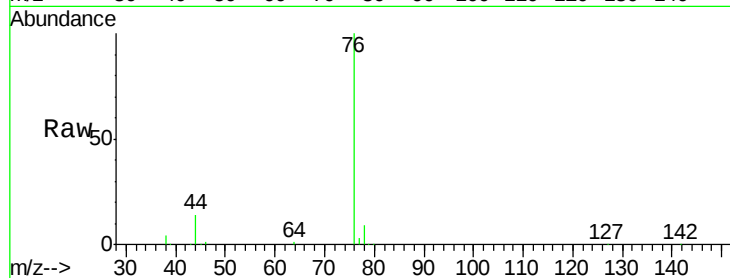
ClientSampled :

Tot Ion: 76 Resp: 251975

Ion Ratio Lower Upper

76 100

78 9.3 7.3 10.9



Abundance Ion 75.90 (75.60 to 76.60): VNO

Ion 77.90 (77.60 to 78.60): VNO

4.00

100000

80000

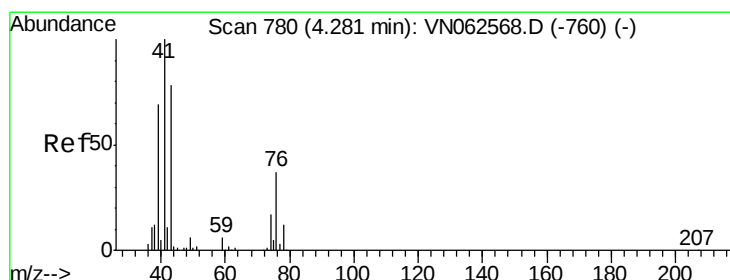
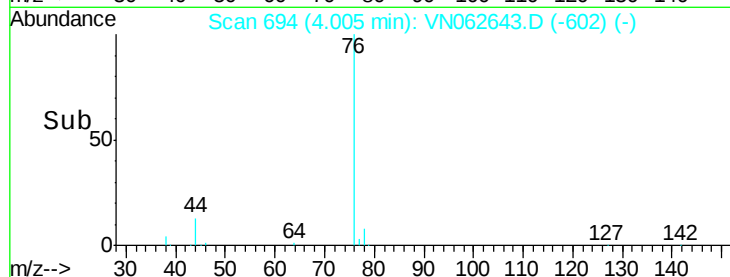
60000

40000

20000

0

Time-->



#18

Methyl Acetate

Concen: 46.350 ug/l

RT: 4.27 min Scan# 778

Delta R.T. -0.01 min

Lab File: VN062643.D

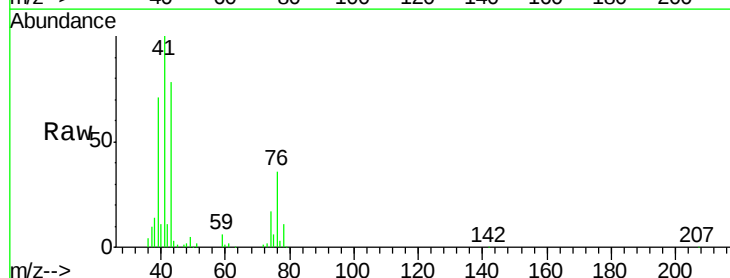
Acq: 29 Jul 2020 10:00

Tgt Ion: 43 Resp: 123044

Ion Ratio Lower Upper

43 100

74 22.0 16.6 24.8



Abundance Ion 43.00 (42.70 to 43.70): VNO

Ion 74.00 (73.70 to 74.70): VNO

4.27

50000

40000

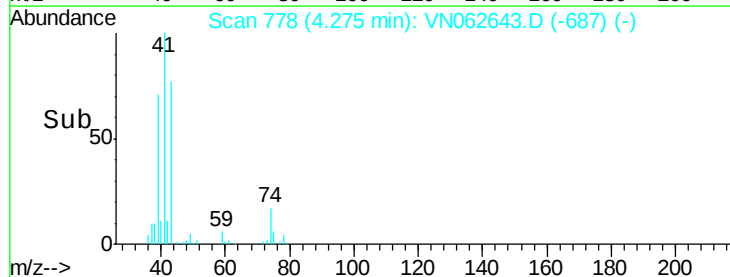
30000

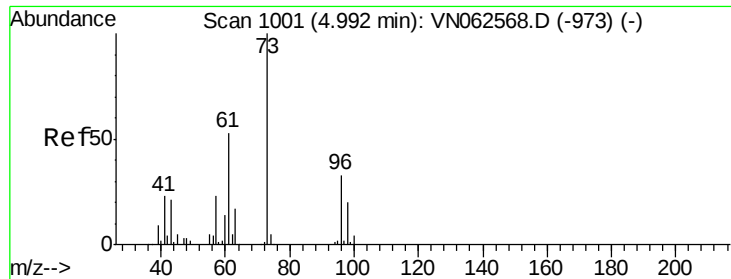
20000

10000

0

Time-->

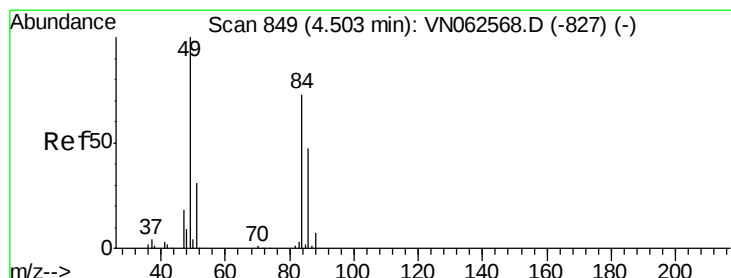
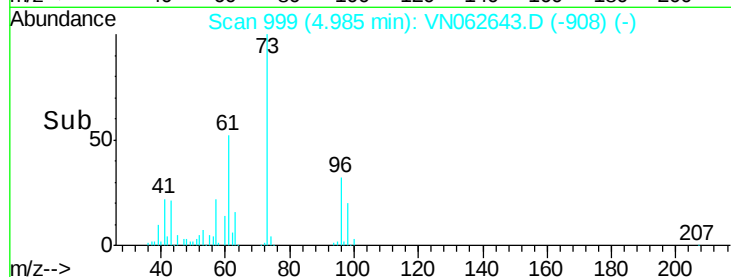
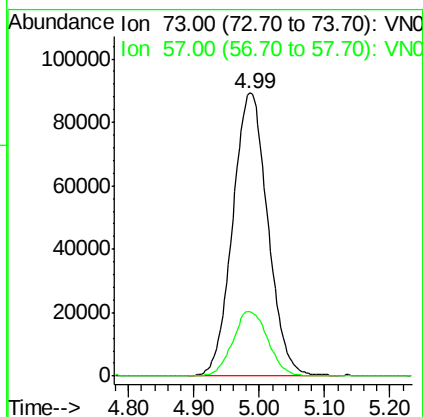
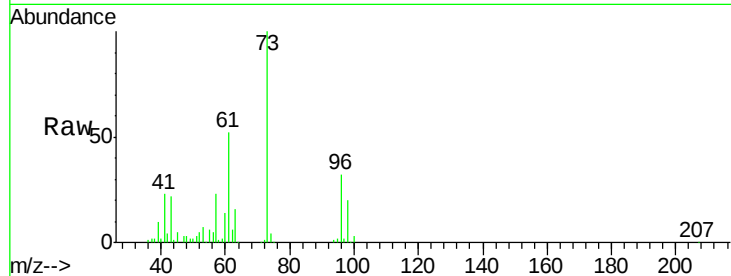




#19
Methvl tert-butvl Ether
Concen: 47.188 ug/l
RT: 4.99 min Scan# 999
Delta R.T. -0.01 min
Lab File: VN062643.D
Acq: 29 Jul 2020 10:00

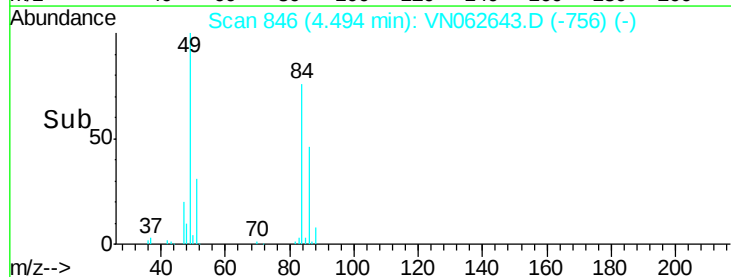
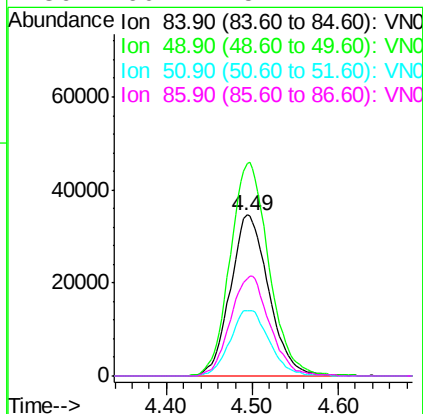
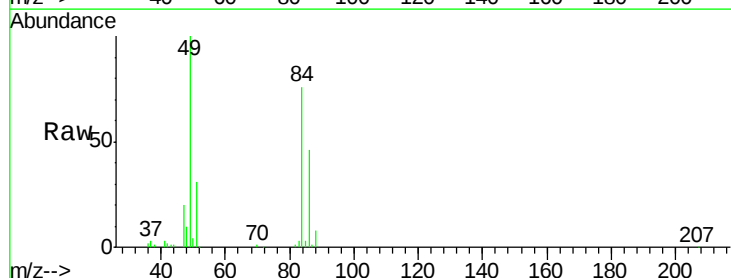
Instrument :
MSVOA_N
ClientSampleId :

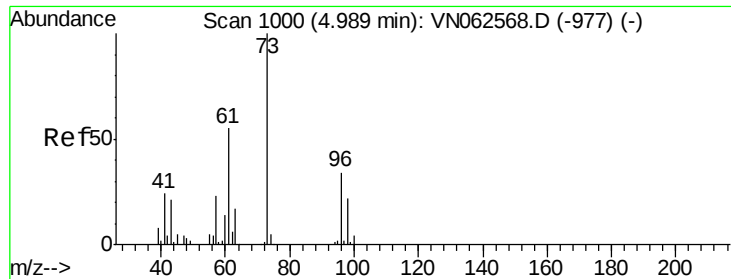
Tot Ion: 73 Resp: 333594
Ion Ratio Lower Upper
73 100
57 22.7 18.6 27.8



#20
Methylene Chloride
Concen: 42.699 ug/l
RT: 4.49 min Scan# 846
Delta R.T. -0.01 min
Lab File: VN062643.D
Acq: 29 Jul 2020 10:00

Tgt Ion: 84 Resp: 107389
Ion Ratio Lower Upper
84 100
49 131.8 109.4 164.0
51 40.7 33.6 50.4
86 60.2 51.4 77.2

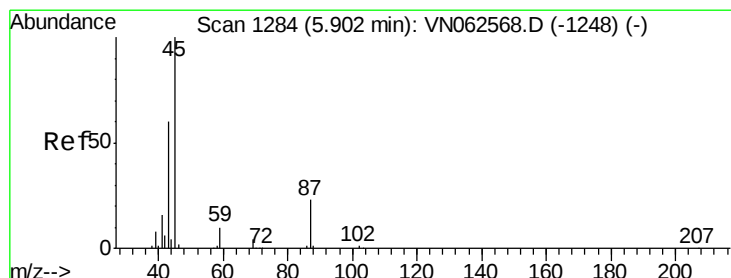
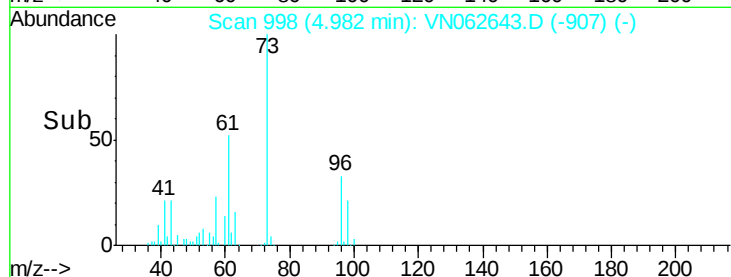
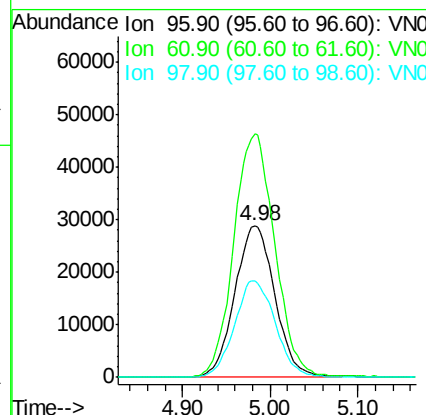
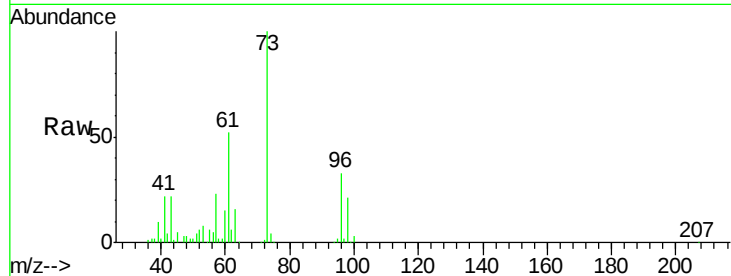




#21
trans-1,2-Dichloroethene
Concen: 42.989 ug/l
RT: 4.98 min Scan# 998
Delta R.T. -0.01 min
Lab File: VN062643.D
Acq: 29 Jul 2020 10:00

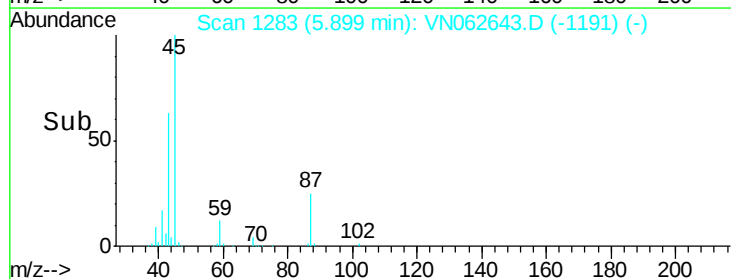
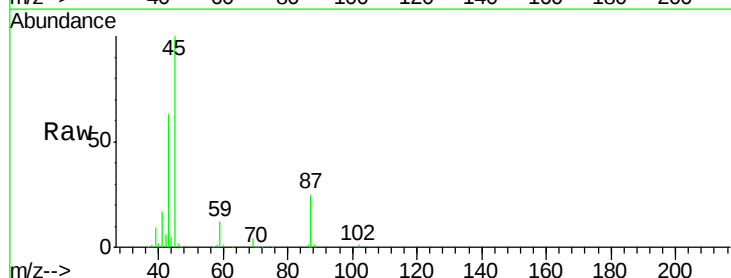
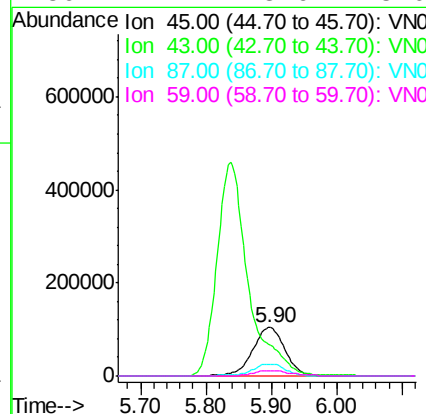
Instrument :
MSVOA_N
ClientSampled :

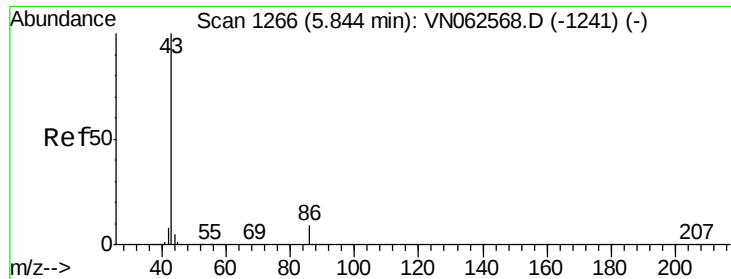
Tot Ion: 96 Resp: 91643
Ion Ratio Lower Upper
96 100
61 160.6 128.6 192.8
98 63.5 50.6 76.0



#22
Diisopropyl ether
Concen: 43.878 ug/l
RT: 5.90 min Scan# 1283
Delta R.T. -0.00 min
Lab File: VN062643.D
Acq: 29 Jul 2020 10:00

Tgt Ion: 45 Resp: 362371
Ion Ratio Lower Upper
45 100
43 60.8 48.7 73.1
87 24.7 19.0 28.6
59 11.4 8.6 13.0





#23

Vinyl Acetate

Concen: 226.153 ug/l

RT: 5.84 min Scan# 1264

Delta R.T. -0.01 min

Lab File: VN062643.D

Acq: 29 Jul 2020 10:00

Instrument :

MSVOA_N

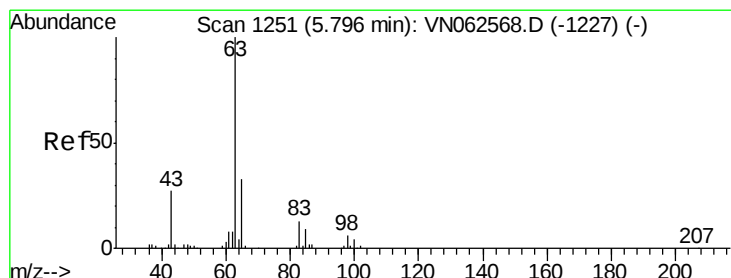
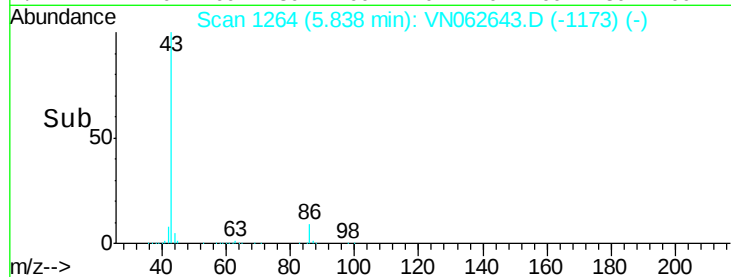
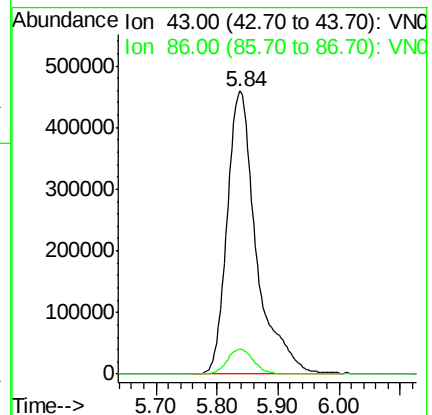
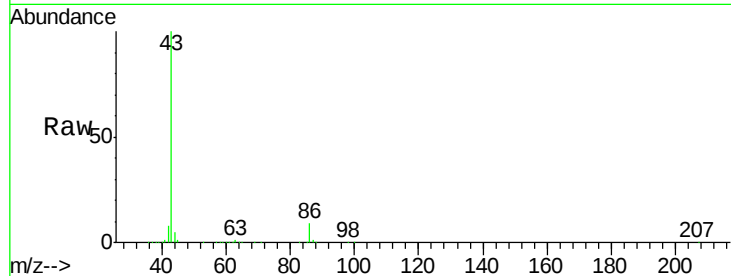
ClientSampled :

Tot Ion: 43 Resp: 1530352

Ion Ratio Lower Upper

43 100

86 9.0 6.9 10.3



#24

1,1-Dichloroethane

Concen: 44.483 ug/l

RT: 5.79 min Scan# 1250

Delta R.T. -0.00 min

Lab File: VN062643.D

Acq: 29 Jul 2020 10:00

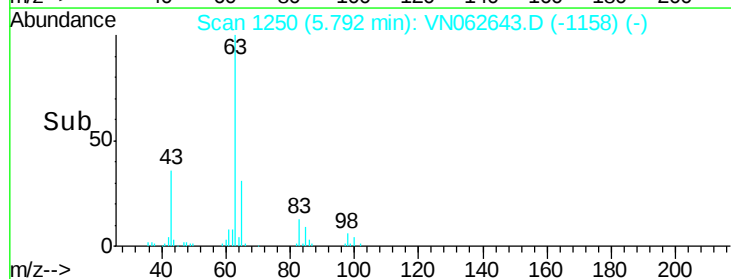
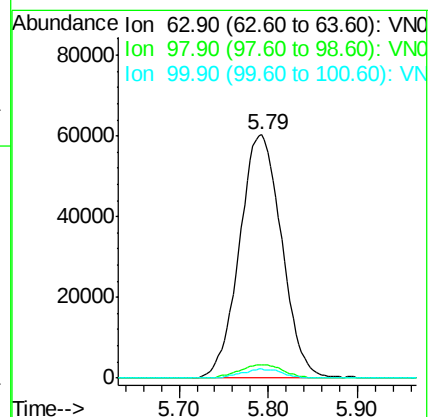
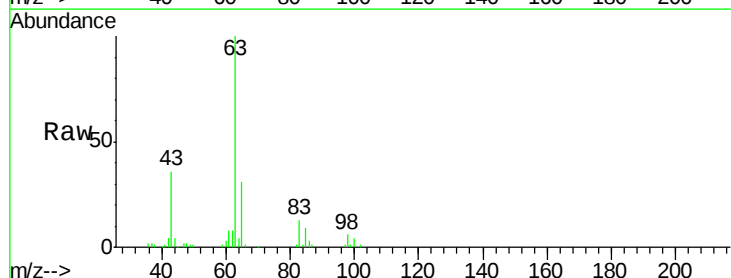
Tgt Ion: 63 Resp: 197823

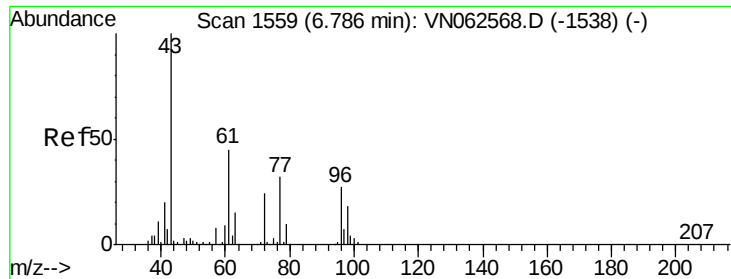
Ion Ratio Lower Upper

63 100

98 5.6 2.9 8.8

100 3.7 1.8 5.4

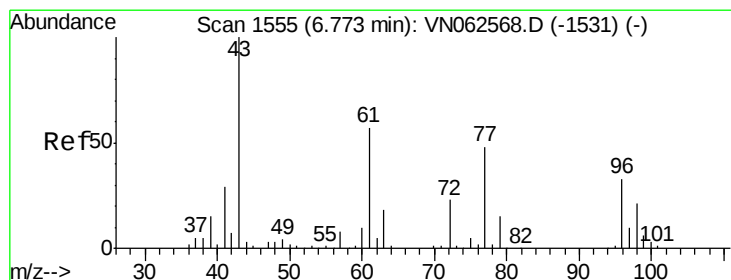
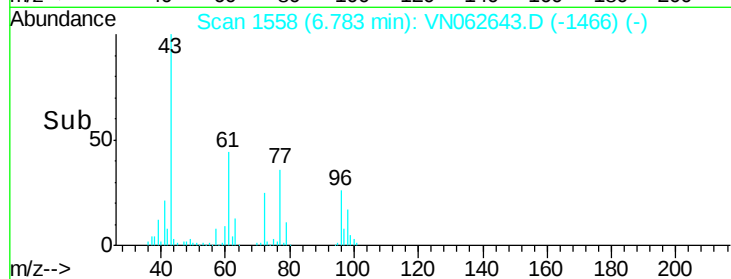
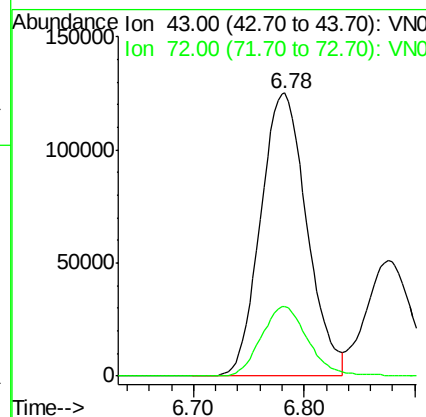
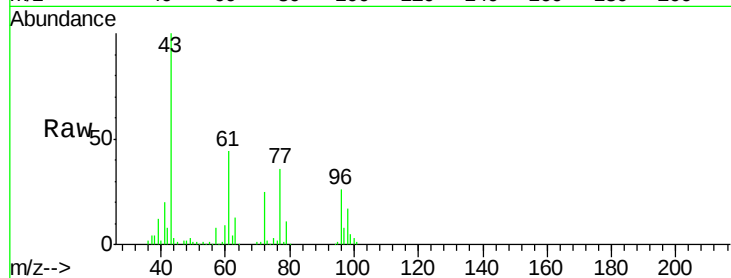




#25
2-Butanone
Concen: 227.808 ug/l
RT: 6.78 min Scan# 1558
Delta R.T. -0.00 min
Lab File: VN062643.D
Acq: 29 Jul 2020 10:00

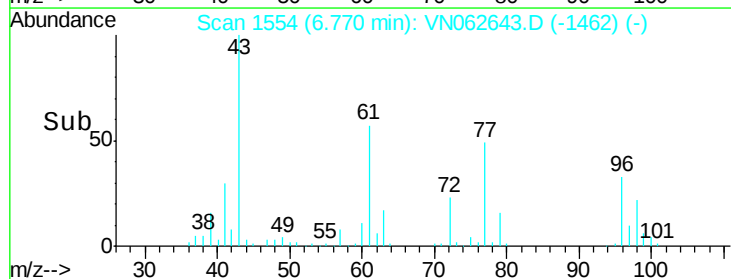
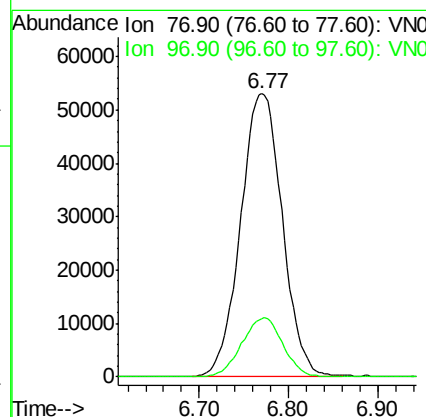
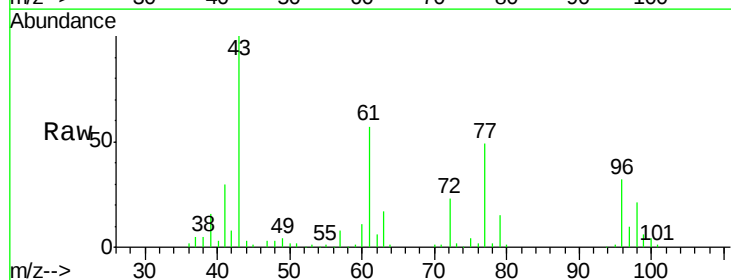
Instrument :
MSVOA_N
ClientSampled :

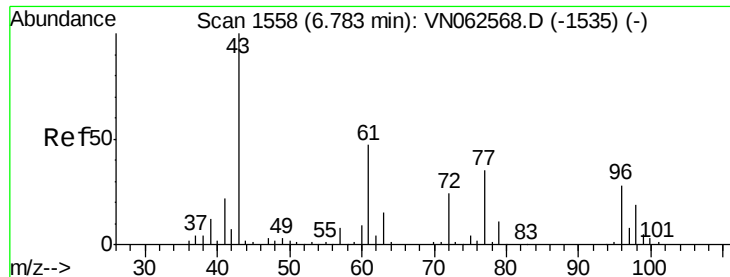
Tot Ion: 43 Resp: 363817
Ion Ratio Lower Upper
43 100
72 24.7 19.0 28.6



#26
2,2-Dichloropropane
Concen: 47.280 ug/l
RT: 6.77 min Scan# 1554
Delta R.T. -0.00 min
Lab File: VN062643.D
Acq: 29 Jul 2020 10:00

Tgt Ion: 77 Resp: 172608
Ion Ratio Lower Upper
77 100
97 20.5 10.8 32.4





#27

cis-1,2-Dichloroethene

Concen: 43.759 ug/l

RT: 6.77 min Scan# 1555

Delta R.T. -0.01 min

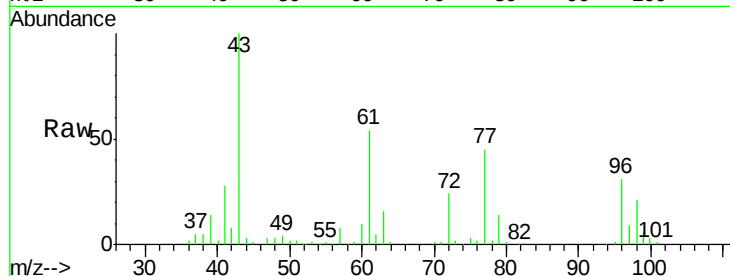
Lab File: VN062643.D

Acq: 29 Jul 2020 10:00

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 96 Resp: 106447

Ion	Ratio	Lower	Upper
96	100		
61	169.4	0.0	332.4
98	65.3	0.0	127.4

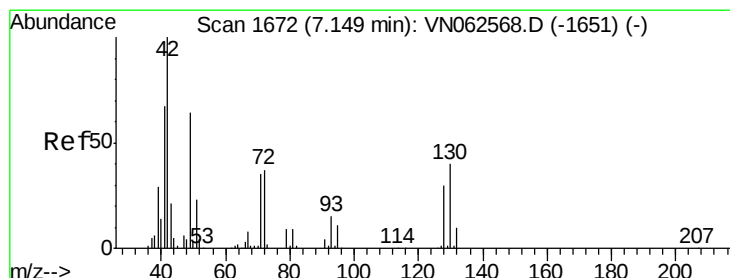
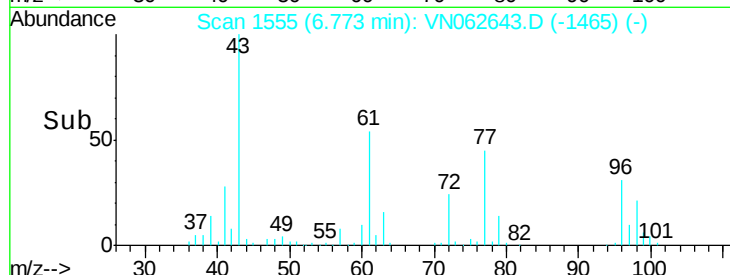
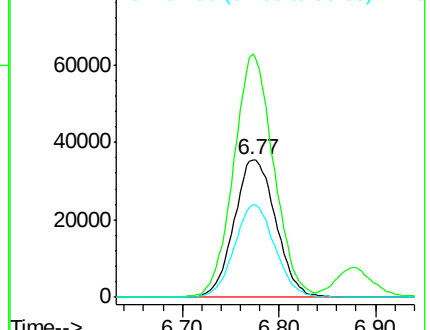


Abundance

Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0



#28

Bromochloromethane

Concen: 45.284 ug/l

RT: 7.15 min Scan# 1671

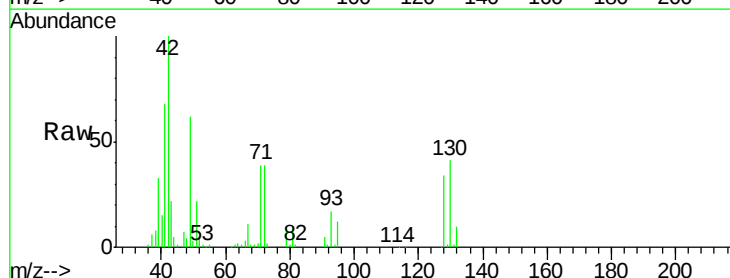
Delta R.T. -0.00 min

Lab File: VN062643.D

Acq: 29 Jul 2020 10:00

Tgt Ion: 49 Resp: 99109

Ion	Ratio	Lower	Upper
49	100		
129	1.9	0.0	3.4
130	65.9	49.8	74.8

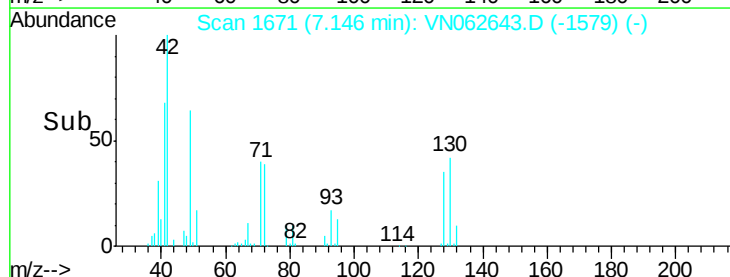
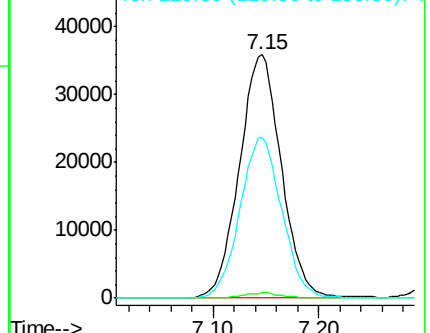


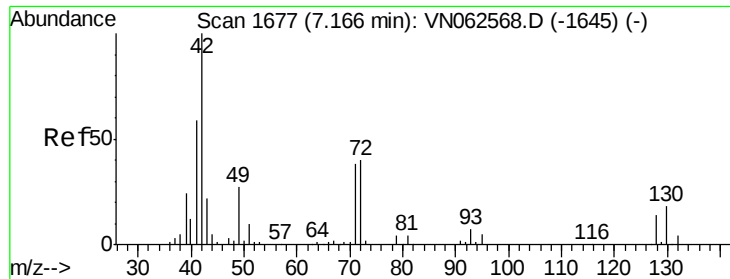
Abundance

Ion 48.90 (48.60 to 49.60): VN0

Ion 128.80 (128.50 to 129.50): VN0

Ion 129.80 (129.50 to 130.50): VN0

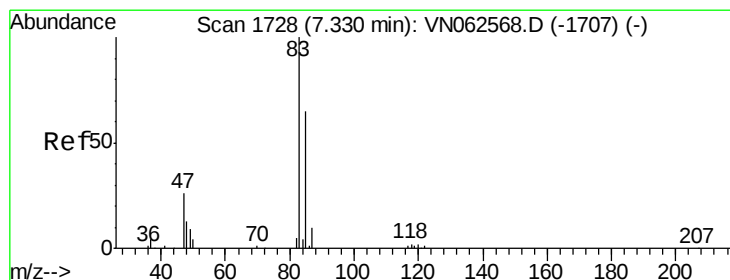
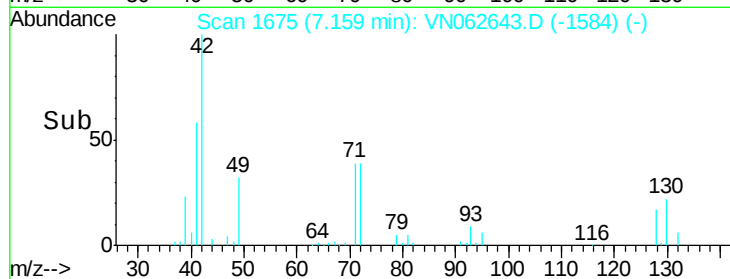
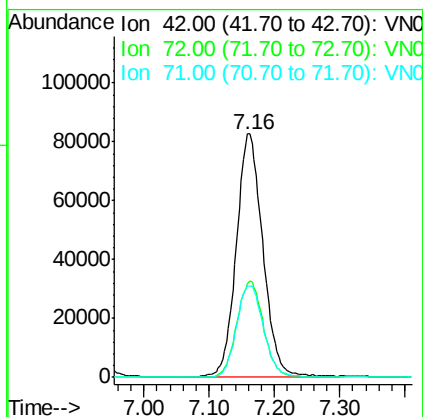
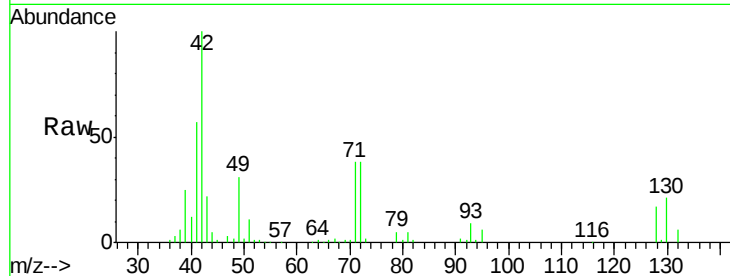




#29
Tetrahydrofuran
Concen: 217.342 ug/l
RT: 7.16 min Scan# 1675
Delta R.T. -0.01 min
Lab File: VN062643.D
Acq: 29 Jul 2020 10:00

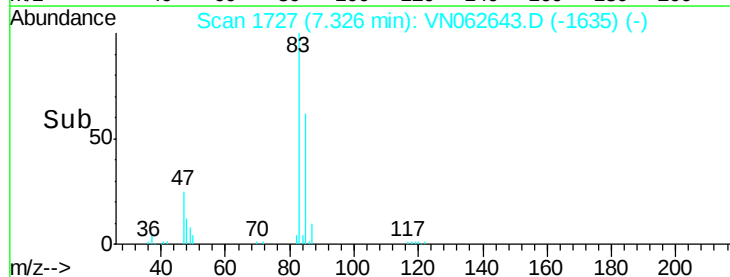
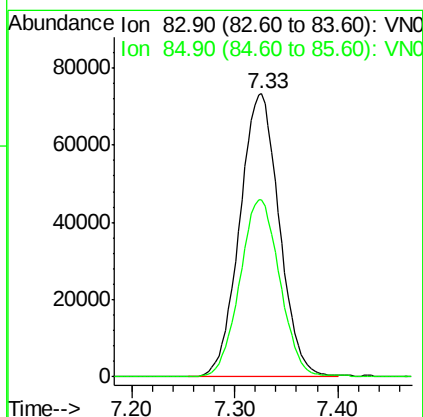
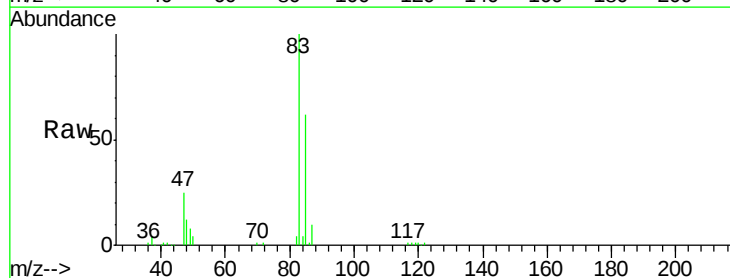
Instrument :
MSVOA_N
ClientSampled :

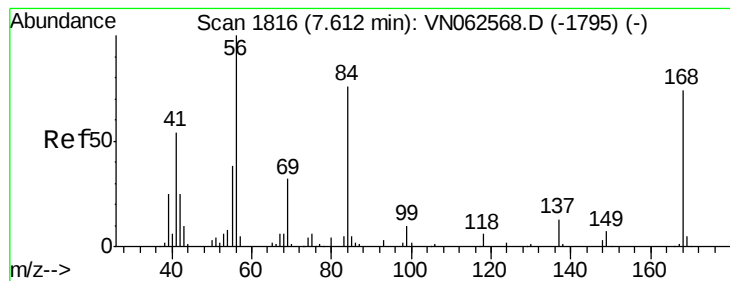
Tot Ion: 42 Resp: 234869
Ion Ratio Lower Upper
42 100
72 39.5 30.7 46.1
71 38.2 29.1 43.7



#30
Chloroform
Concen: 46.209 ug/l
RT: 7.33 min Scan# 1727
Delta R.T. -0.00 min
Lab File: VN062643.D
Acq: 29 Jul 2020 10:00

Tgt Ion: 83 Resp: 195390
Ion Ratio Lower Upper
83 100
85 62.4 52.0 78.0





#31

Cyclohexane

Concen: 41.582 ug/l

RT: 7.61 min Scan# 1815

Delta R.T. -0.00 min

Lab File: VN062643.D

Acq: 29 Jul 2020 10:00

Instrument :
MSVOA_N
ClientSampled :

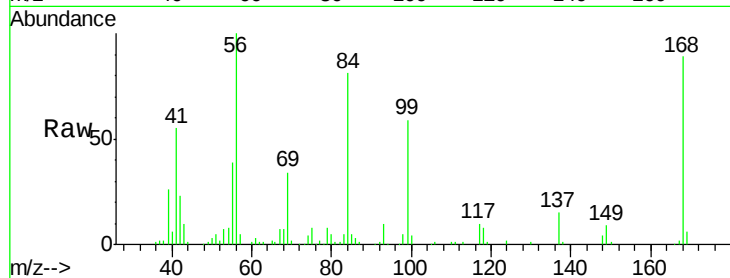
Tot Ion: 56 Resp: 170736

Ion Ratio Lower Upper

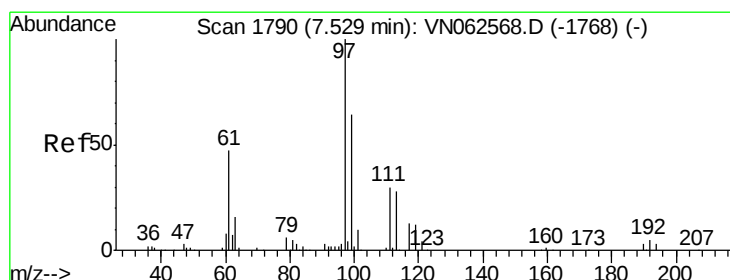
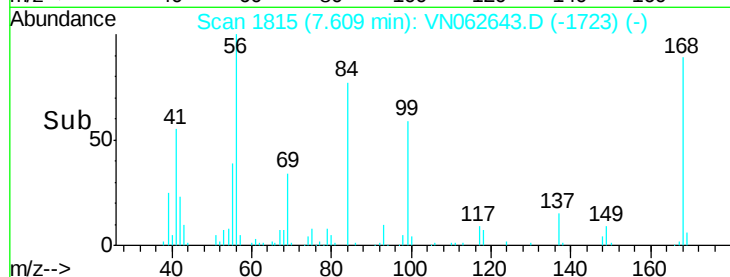
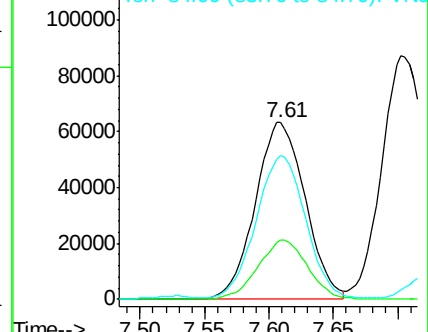
56 100

69 33.8 25.3 37.9

84 80.4 61.0 91.4



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: 48.649 ug/l

RT: 7.53 min Scan# 1789

Delta R.T. -0.00 min

Lab File: VN062643.D

Acq: 29 Jul 2020 10:00

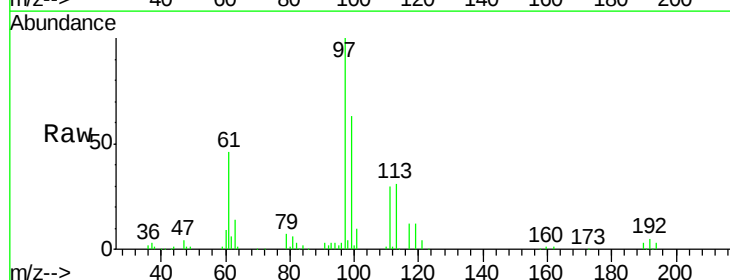
Tgt Ion: 97 Resp: 171743

Ion Ratio Lower Upper

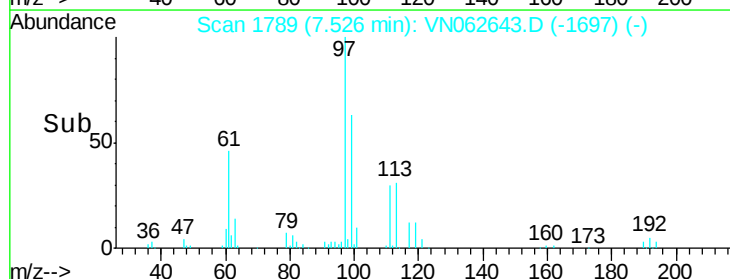
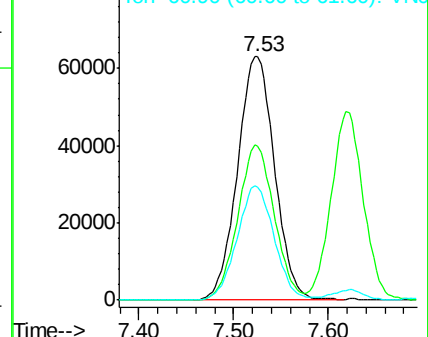
97 100

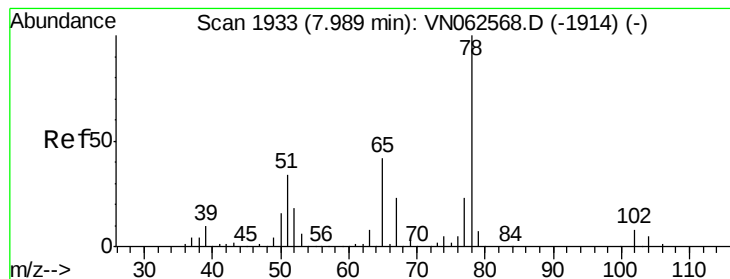
99 62.6 51.2 76.8

61 46.9 38.4 57.6



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: 49.594 ug/l

RT: 7.98 min Scan# 1931

Delta R.T. -0.01 min

Lab File: VN062643.D

Acq: 29 Jul 2020 10:00

Instrument :

MSVOA_N

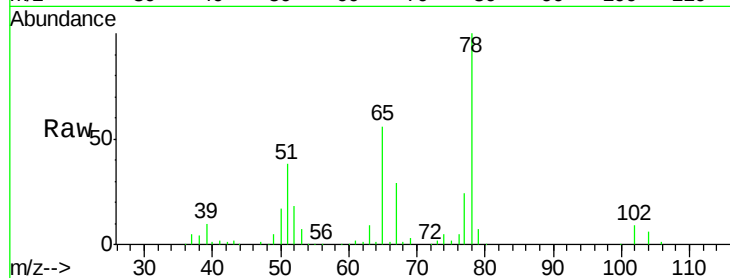
ClientSampleId :

Tot Ion: 65 Resp: 138200

Ion Ratio Lower Upper

65 100

67 52.0 0.0 106.0



Abundance Ion 64.90 (64.60 to 65.60): VN062568.D (-1914) (-)

Ion 66.90 (66.60 to 67.60): VN062568.D (-1914) (-)

7.98

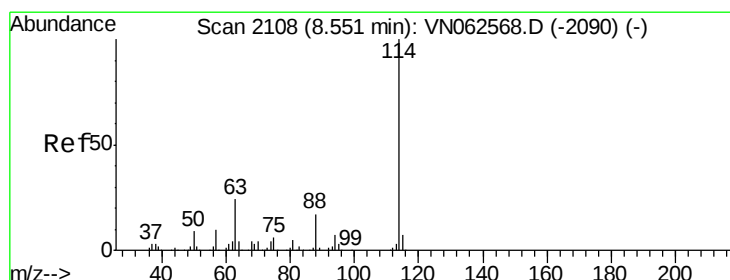
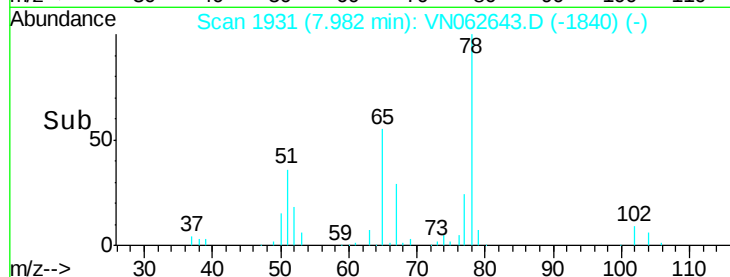
60000

40000

20000

0

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.55 min Scan# 2107

Delta R.T. -0.00 min

Lab File: VN062643.D

Acq: 29 Jul 2020 10:00

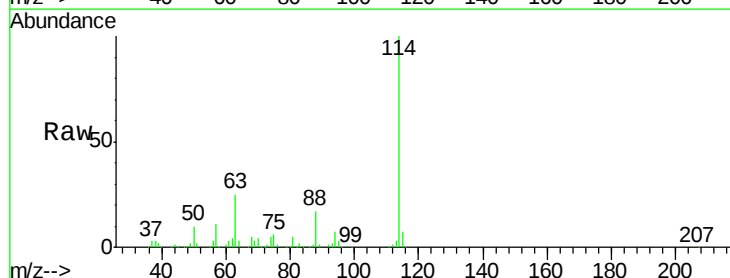
Tgt Ion: 114 Resp: 277742

Ion Ratio Lower Upper

114 100

63 24.7 0.0 48.4

88 16.8 0.0 33.8



Abundance Ion 113.90 (113.60 to 114.60): VN062568.D (-2090) (-)

Ion 63.00 (62.70 to 63.70): VN062568.D (-2090) (-)

Ion 87.90 (87.60 to 88.60): VN062568.D (-2090) (-)

8.55

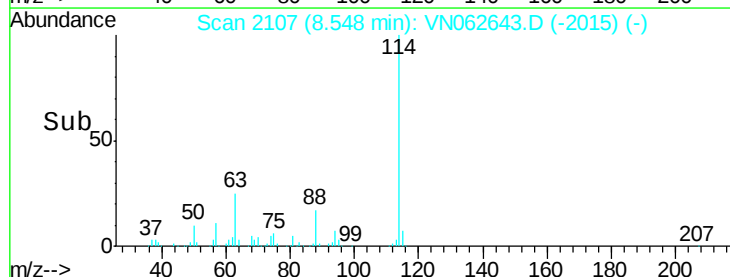
150000

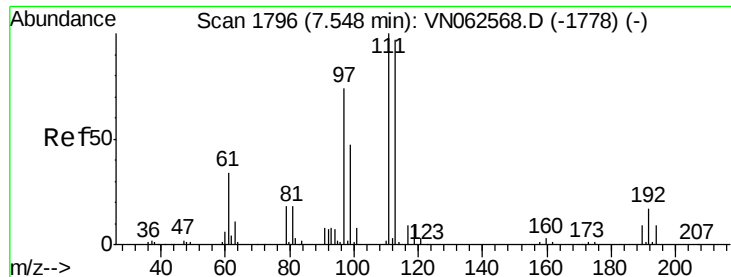
100000

50000

0

Time-->

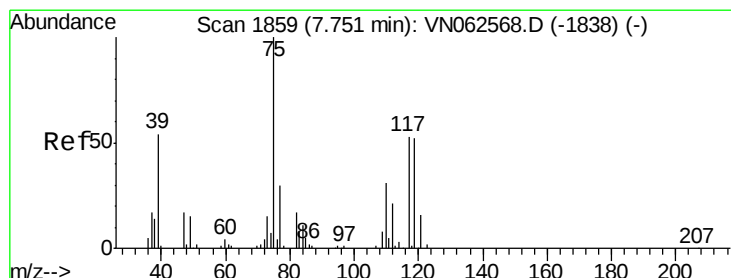
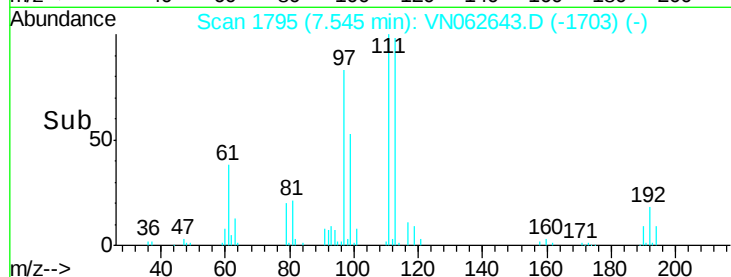
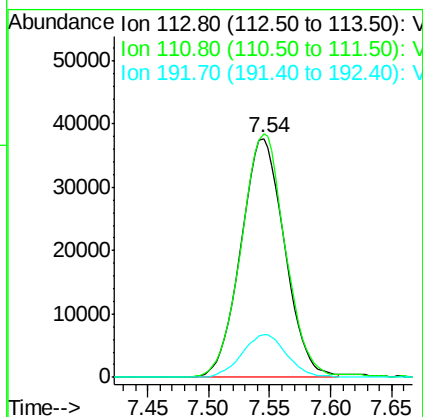
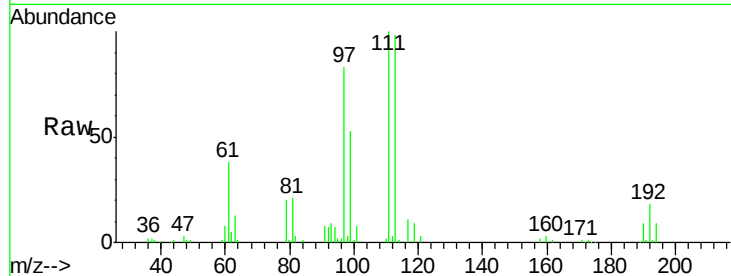




#35
Dibromofluoromethane
Concen: 51.388 ug/l
RT: 7.54 min Scan# 1795
Delta R.T. -0.00 min
Lab File: VN062643.D
Acq: 29 Jul 2020 10:00

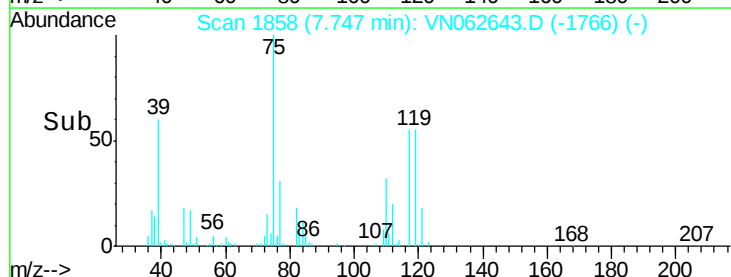
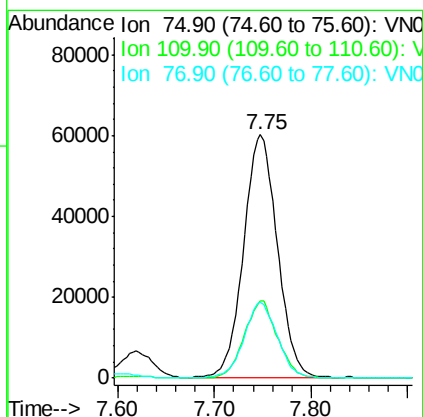
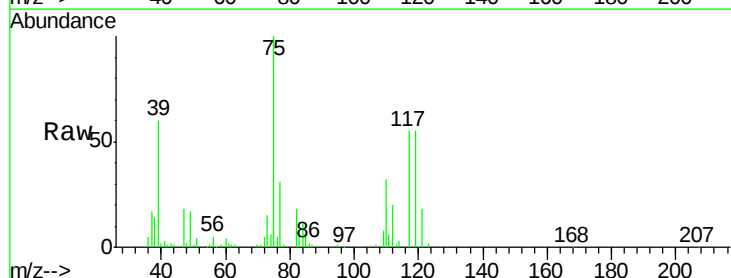
Instrument :
MSVOA_N
ClientSampled :

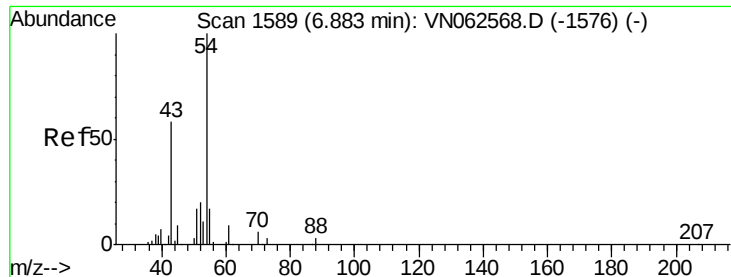
Tot Ion:113 Resp: 93751
Ion Ratio Lower Upper
113 100
111 102.3 82.7 124.1
192 18.3 14.8 22.2



#36
1,1-Dichloropropene
Concen: 49.590 ug/l
RT: 7.75 min Scan# 1858
Delta R.T. -0.00 min
Lab File: VN062643.D
Acq: 29 Jul 2020 10:00

Tgt Ion: 75 Resp: 146808
Ion Ratio Lower Upper
75 100
110 31.0 16.0 48.0
77 30.8 24.6 36.8

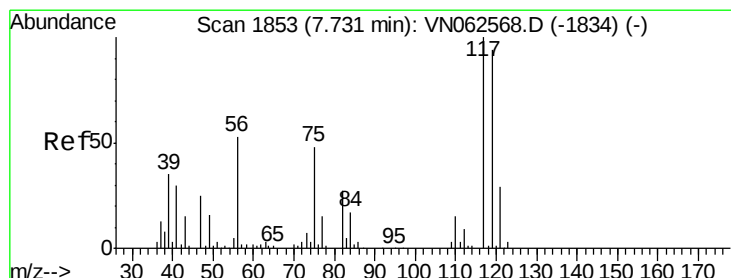
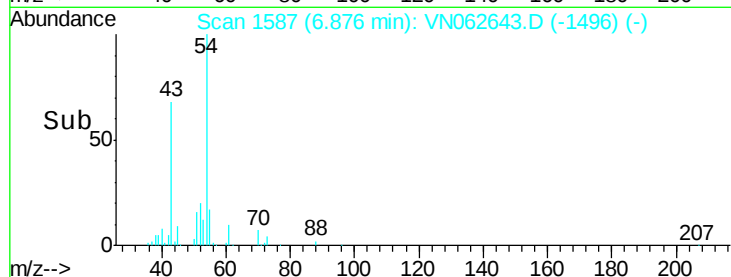
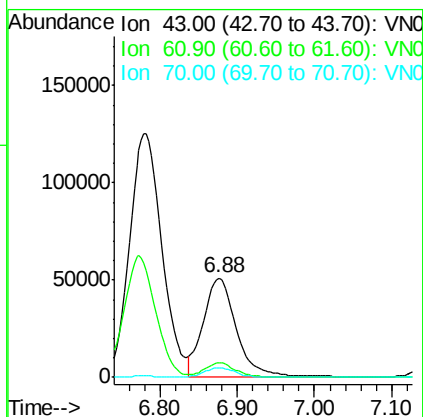
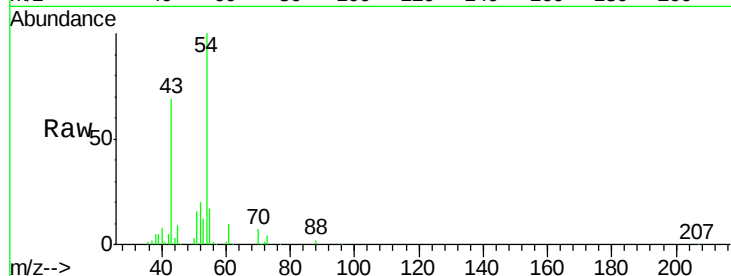




#37
Ethyl Acetate
Concen: 47.652 ug/l
RT: 6.88 min Scan# 1587
Delta R.T. -0.01 min
Lab File: VN062643.D
Acq: 29 Jul 2020 10:00

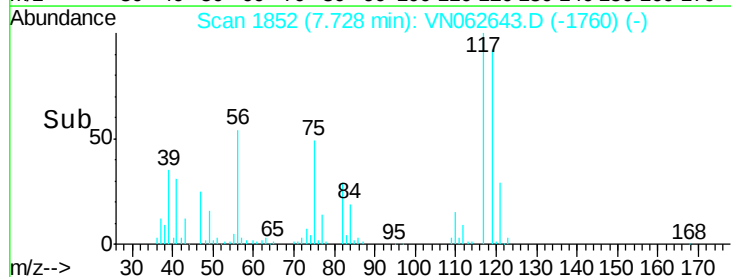
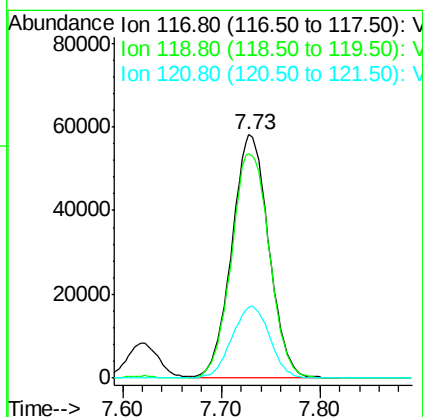
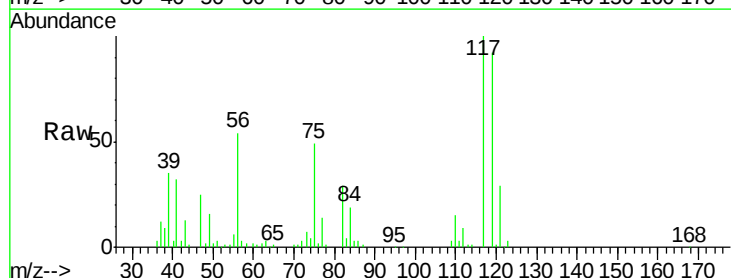
Instrument :
MSVOA_N
ClientSampleId :

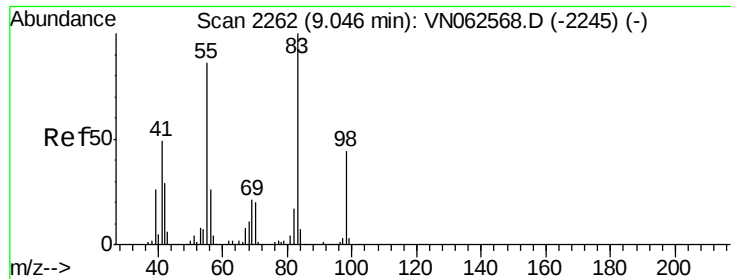
Tot Ion: 43 Resp: 152066
Ion Ratio Lower Upper
43 100
61 13.0 11.3 16.9
70 9.1 7.7 11.5



#38
Carbon Tetrachloride
Concen: 53.198 ug/l
RT: 7.73 min Scan# 1852
Delta R.T. -0.00 min
Lab File: VN062643.D
Acq: 29 Jul 2020 10:00

Tgt Ion: 117 Resp: 151381
Ion Ratio Lower Upper
117 100
119 92.4 74.8 112.2
121 29.3 23.0 34.6

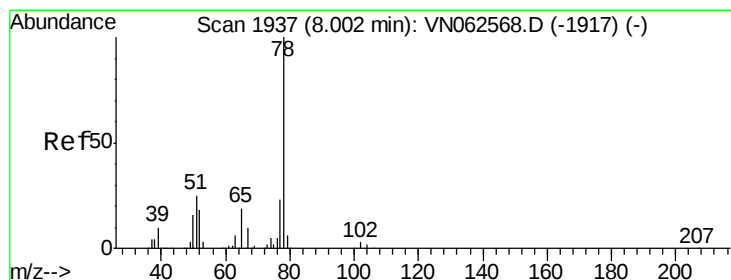
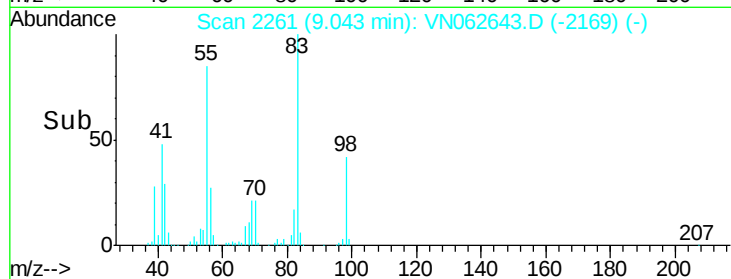
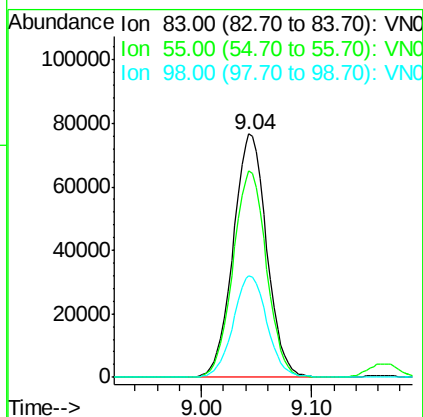
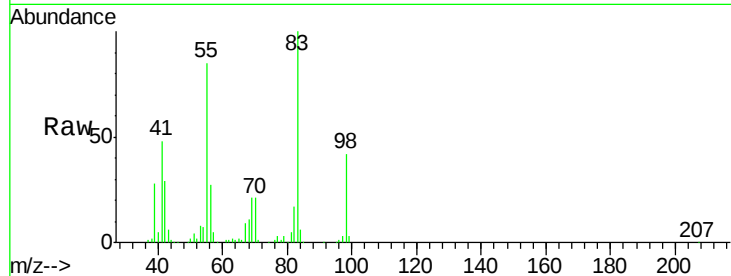




#39
Methvlcvclohexane
Concen: 50.592 ug/l
RT: 9.04 min Scan# 2261
Delta R.T. -0.00 min
Lab File: VN062643.D
Acq: 29 Jul 2020 10:00

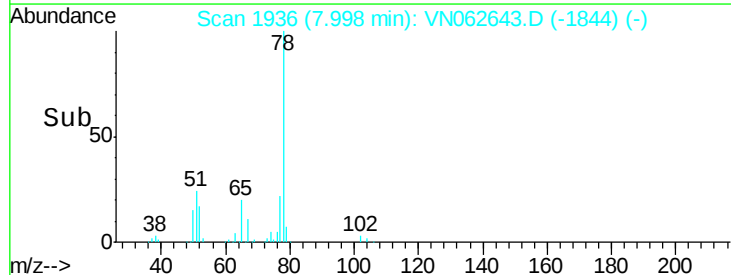
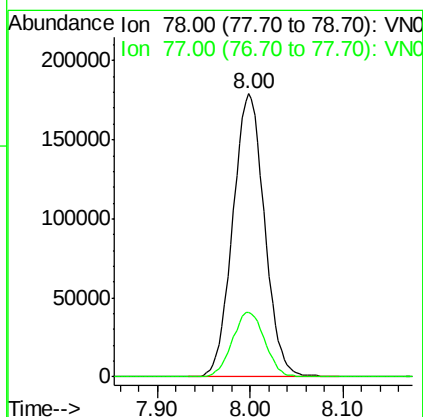
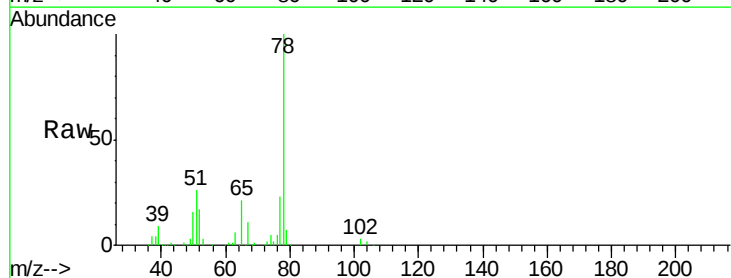
Instrument :
MSVOA_N
ClientSampleId :

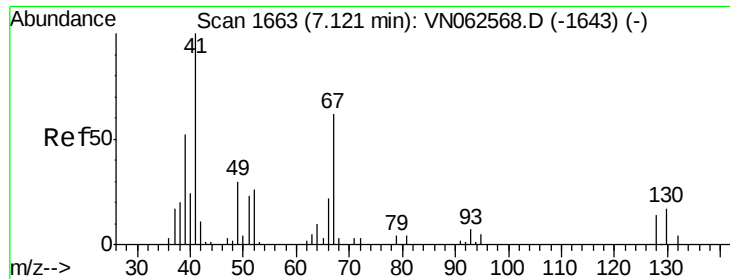
Tot Ion: 83 Resp: 161226
Ion Ratio Lower Upper
83 100
55 84.7 68.9 103.3
98 41.7 35.1 52.7



#40
Benzene
Concen: 47.425 ug/l
RT: 8.00 min Scan# 1936
Delta R.T. -0.00 min
Lab File: VN062643.D
Acq: 29 Jul 2020 10:00

Tgt Ion: 78 Resp: 425053
Ion Ratio Lower Upper
78 100
77 22.8 18.7 28.1

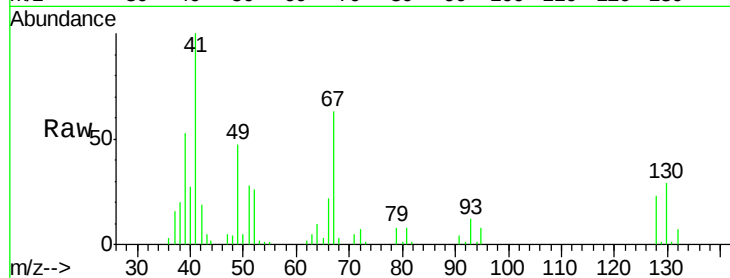




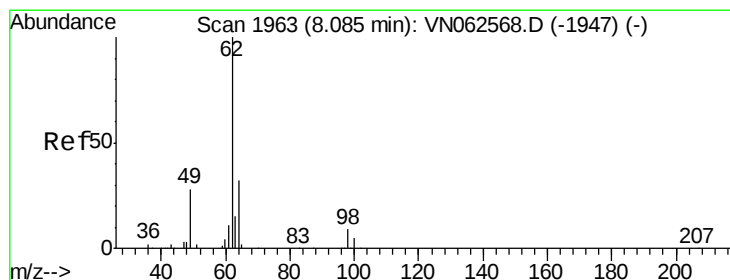
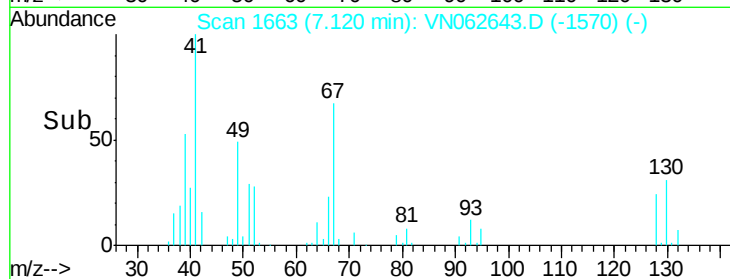
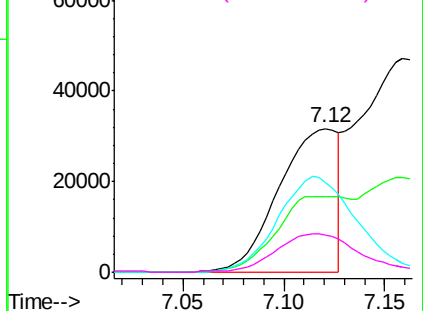
#41
Methacrylonitrile
Concen: 47.018 ug/l
RT: 7.12 min Scan# 1663
Delta R.T. 0.00 min
Lab File: VN062643.D
Acq: 29 Jul 2020 10:00

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 41 Resp: 64305
Ion Ratio Lower Upper
41 100
39 64.2 55.8 83.6
67 90.2 72.5 108.7
52 38.3 31.8 47.8

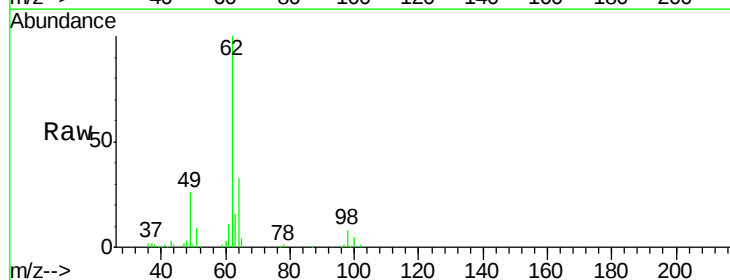


Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 39.00 (38.70 to 39.70): VN0
Ion 67.00 (66.70 to 67.70): VN0
Ion 52.00 (51.70 to 52.70): VN0

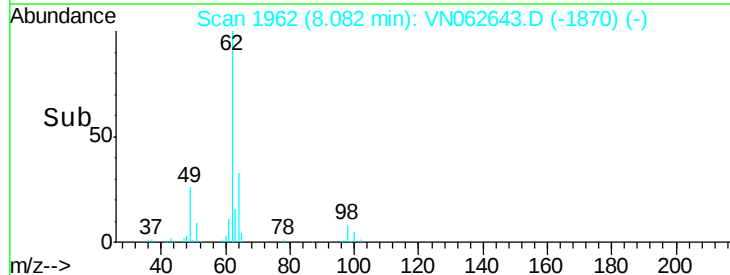
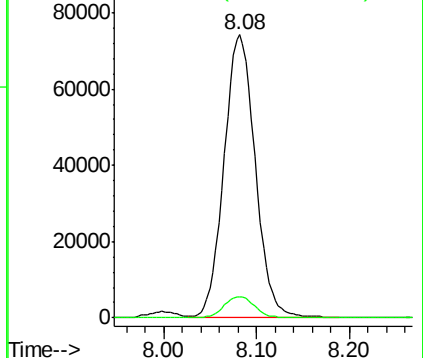


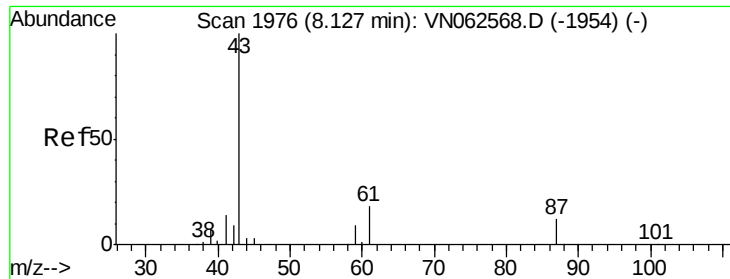
#42
1,2-Dichloroethane
Concen: 52.724 ug/l
RT: 8.08 min Scan# 1962
Delta R.T. -0.00 min
Lab File: VN062643.D
Acq: 29 Jul 2020 10:00

Tgt Ion: 62 Resp: 172760
Ion Ratio Lower Upper
62 100
98 7.4 0.0 16.2



Abundance Ion 61.90 (61.60 to 62.60): VN0
Ion 97.90 (97.60 to 98.60): VN0





#43

Isopropyl Acetate

Concen: 48.351 ug/l

RT: 8.12 min Scan# 1975

Delta R.T. -0.00 min

Lab File: VN062643.D

Acq: 29 Jul 2020 10:00

Instrument :

MSVOA_N

ClientSampleId :

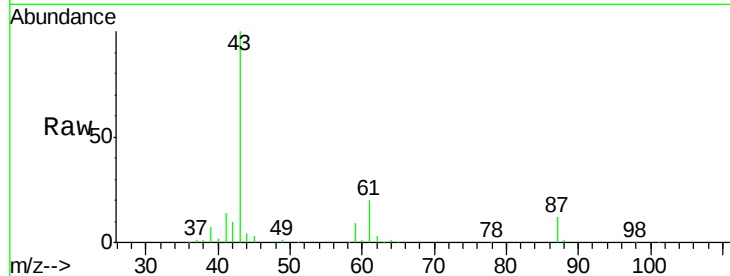
Tot Ion: 43 Resp: 248737

Ion Ratio Lower Upper

43 100

61 20.2 20.8 31.2#

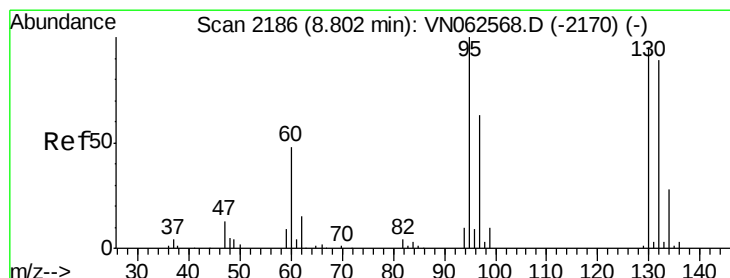
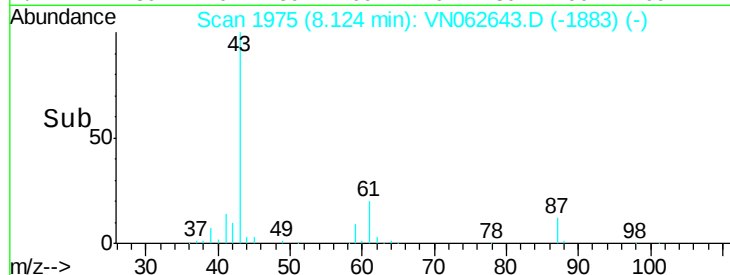
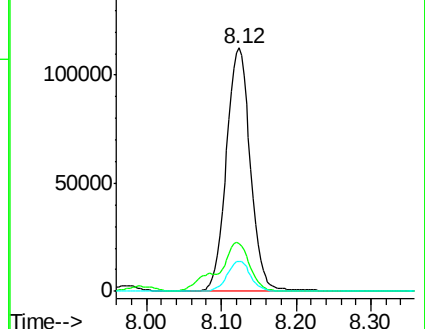
87 12.1 9.2 13.8



Abundance Ion 43.00 (42.70 to 43.70): VN062568.D (-1954) (-)

Ion 61.00 (60.70 to 61.70): VN062568.D (-1954) (-)

Ion 87.00 (86.70 to 87.70): VN062568.D (-1954) (-)



#44

Trichloroethene

Concen: 49.207 ug/l

RT: 8.80 min Scan# 2185

Delta R.T. -0.00 min

Lab File: VN062643.D

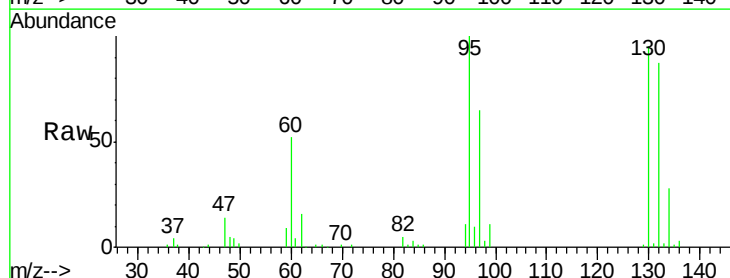
Acq: 29 Jul 2020 10:00

Tgt Ion:130 Resp: 99455

Ion Ratio Lower Upper

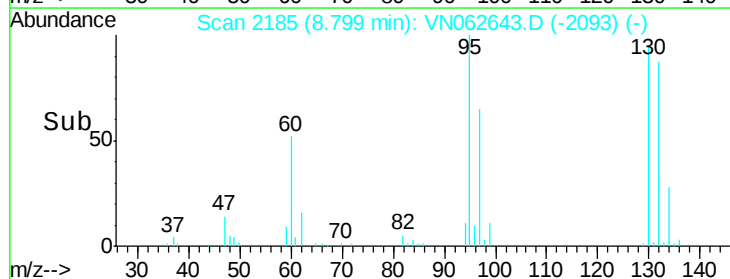
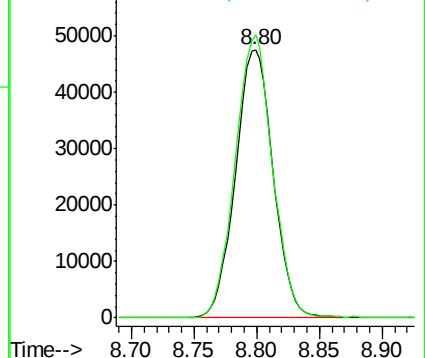
130 100

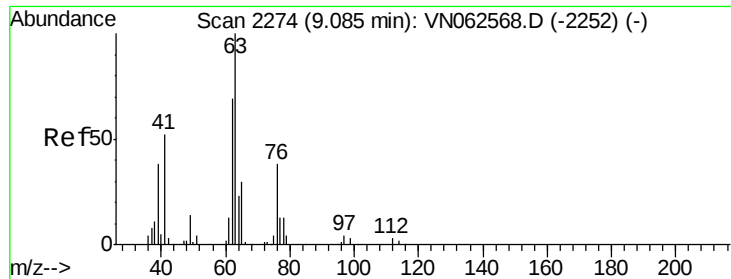
95 105.4 0.0 210.4



Abundance Ion 129.80 (129.50 to 130.50): VN062568.D (-2170) (-)

Ion 94.90 (94.60 to 95.60): VN062568.D (-2170) (-)

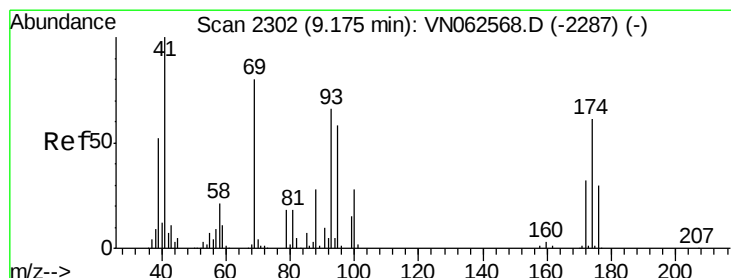
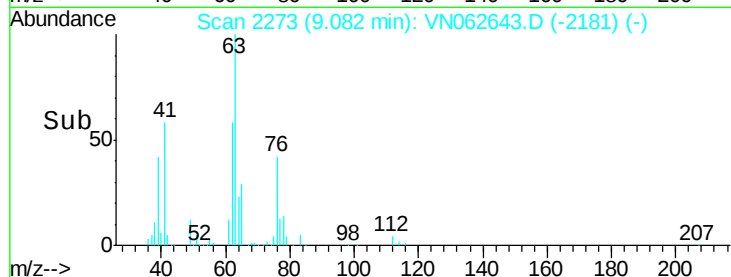
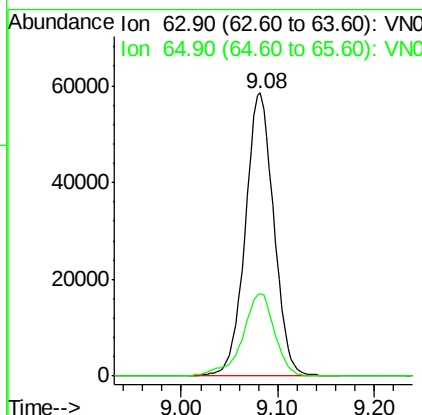
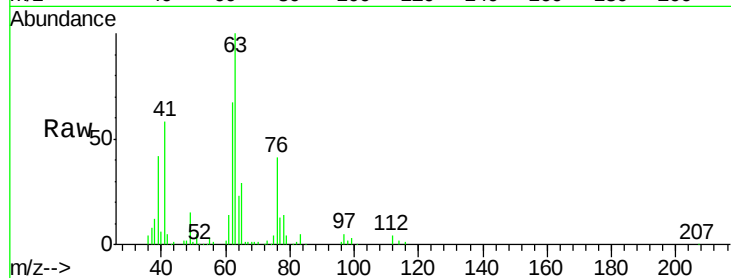




#45
 1,2-Dichloropropane
 Concen: 47.663 ug/l
 RT: 9.08 min Scan# 2273
 Delta R.T. -0.00 min
 Lab File: VN062643.D
 Acq: 29 Jul 2020 10:00

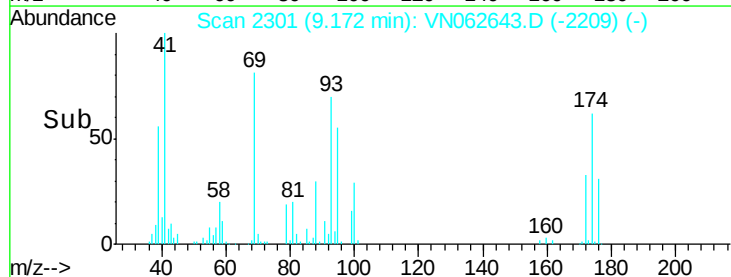
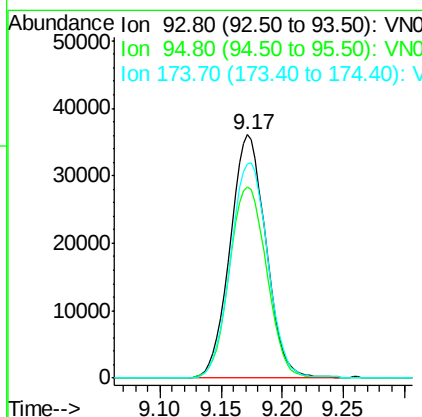
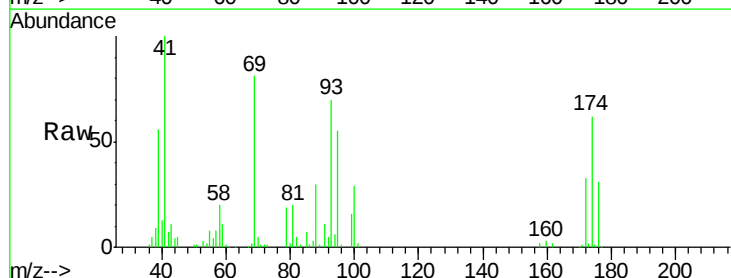
Instrument :
 MSVOA_N
 ClientSampleId :

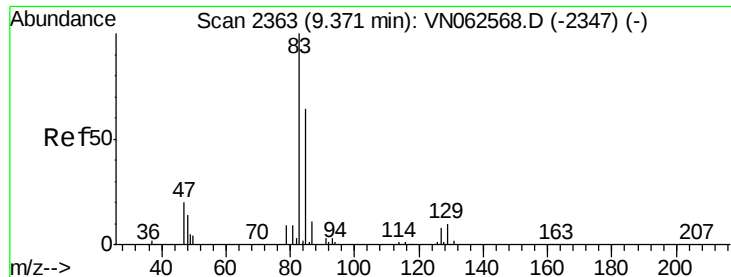
Tot Ion: 63 Resp: 119941
 Ion Ratio Lower Upper
 63 100
 65 29.3 24.4 36.6



#46
 Dibromomethane
 Concen: 50.649 ug/l
 RT: 9.17 min Scan# 2301
 Delta R.T. -0.00 min
 Lab File: VN062643.D
 Acq: 29 Jul 2020 10:00

Tgt Ion: 93 Resp: 73665
 Ion Ratio Lower Upper
 93 100
 95 81.7 67.6 101.4
 174 91.8 72.5 108.7

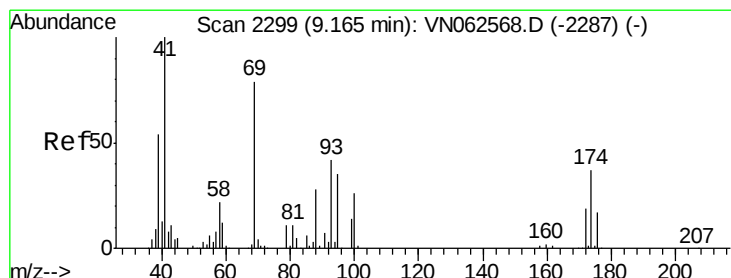
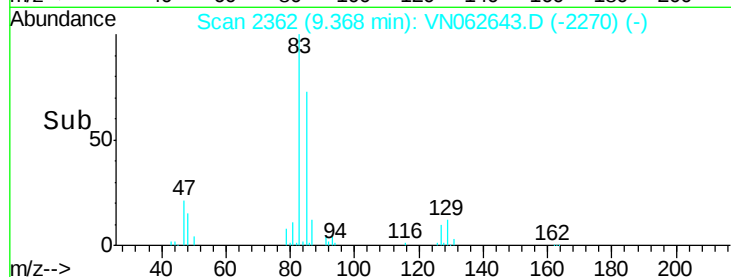
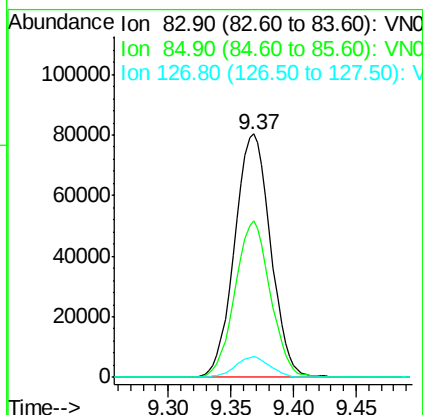
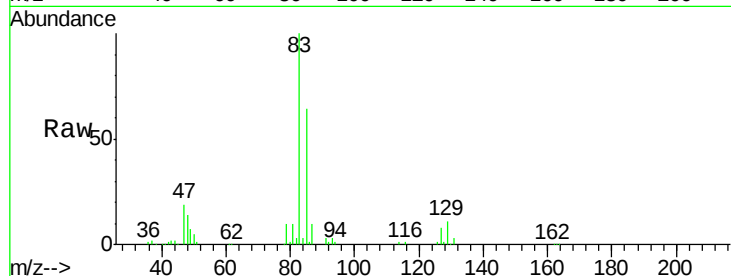




#47
Bromodichloromethane
Concen: 50.910 ug/l
RT: 9.37 min Scan# 2362
Delta R.T. -0.00 min
Lab File: VN062643.D
Acq: 29 Jul 2020 10:00

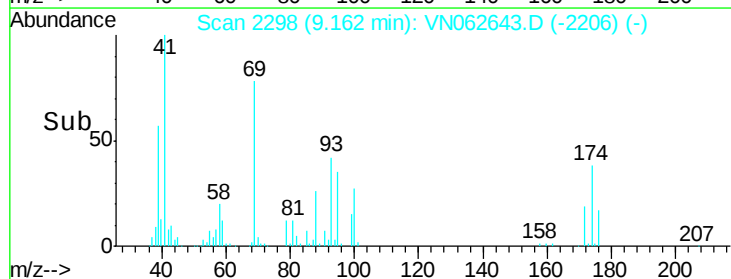
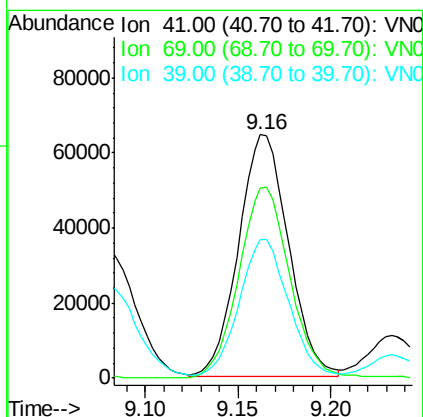
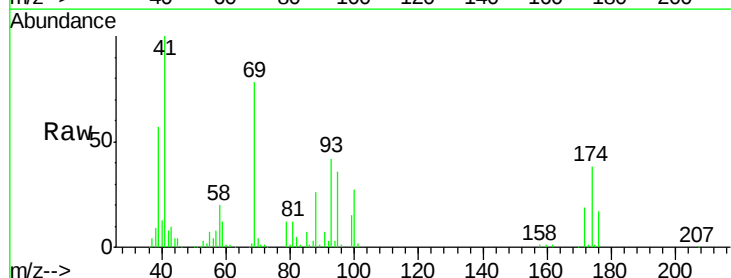
Instrument :
MSVOA_N
ClientSampled :

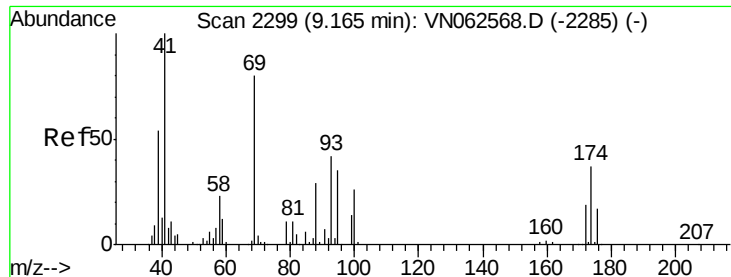
Tot Ion: 83 Resp: 160417
Ion Ratio Lower Upper
83 100
85 64.3 51.6 77.4
127 8.4 6.2 9.2



#48
Methyl methacrylate
Concen: 49.481 ug/l
RT: 9.16 min Scan# 2298
Delta R.T. -0.00 min
Lab File: VN062643.D
Acq: 29 Jul 2020 10:00

Tgt Ion: 41 Resp: 121005
Ion Ratio Lower Upper
41 100
69 80.8 64.4 96.6
39 56.7 43.5 65.3

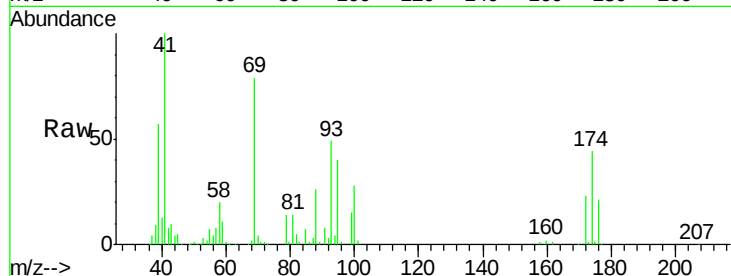




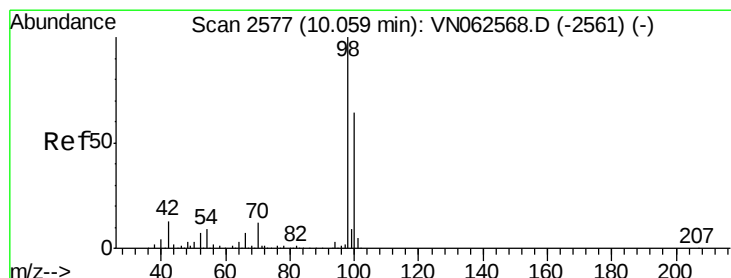
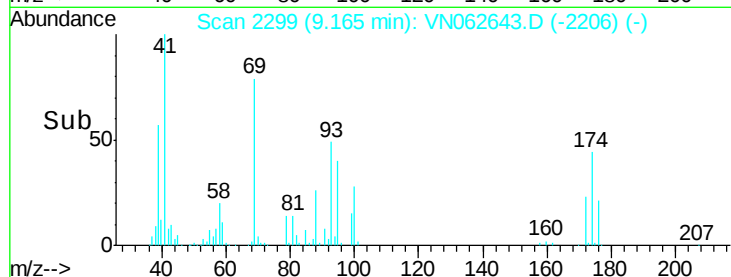
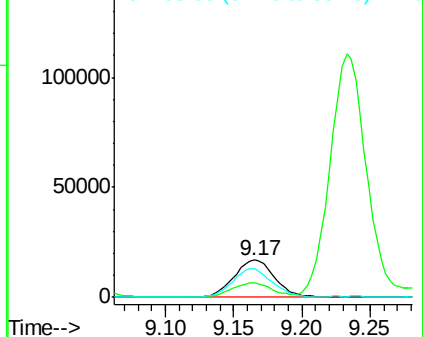
#49
1,4-Dioxane
Concen: 942.043 ug/l
RT: 9.17 min Scan# 2299
Delta R.T. -0.00 min
Lab File: VN062643.D
Acq: 29 Jul 2020 10:00

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 88 Resp: 35383
Ion Ratio Lower Upper
88 100
43 36.7 32.0 48.0
58 74.8 62.8 94.2

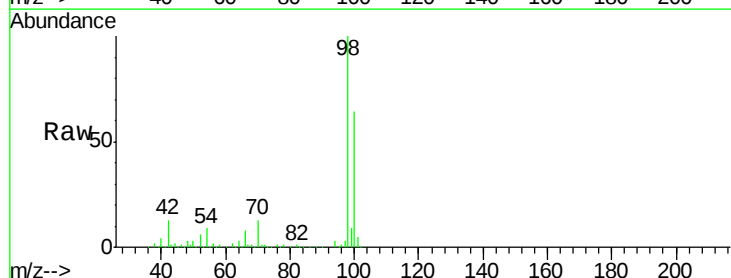


Abundance Ion 88.00 (87.70 to 88.70): VN0
Ion 43.00 (42.70 to 43.70): VN0
Ion 58.00 (57.70 to 58.70): VN0

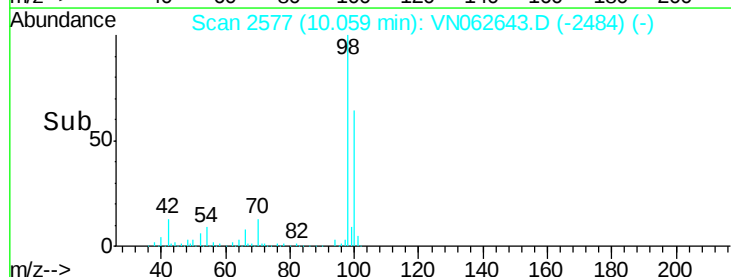
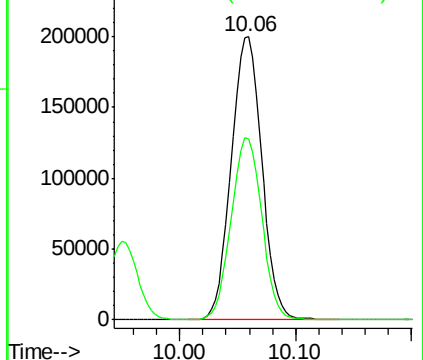


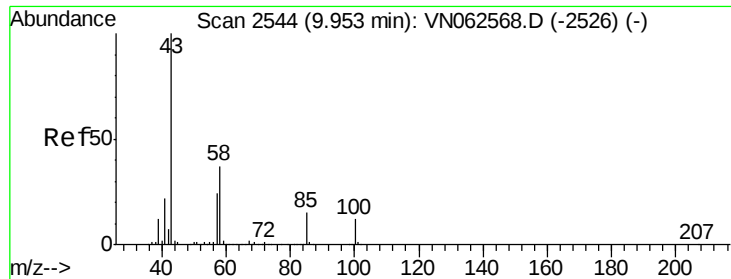
#50
Toluene-d8
Concen: 50.239 ug/l
RT: 10.06 min Scan# 2577
Delta R.T. -0.00 min
Lab File: VN062643.D
Acq: 29 Jul 2020 10:00

Tgt Ion: 98 Resp: 365698
Ion Ratio Lower Upper
98 100
100 64.1 50.9 76.3



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

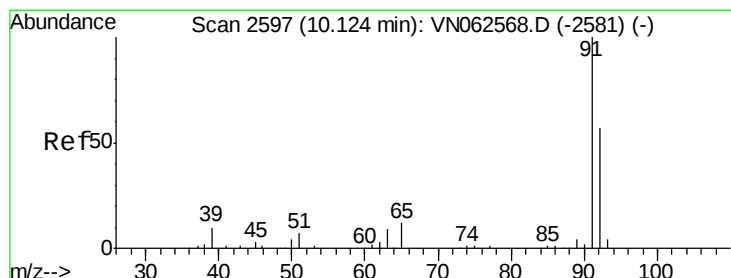
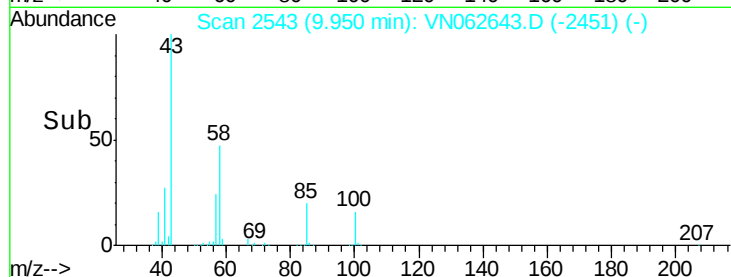
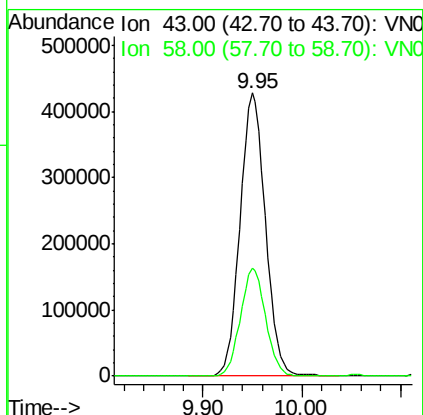
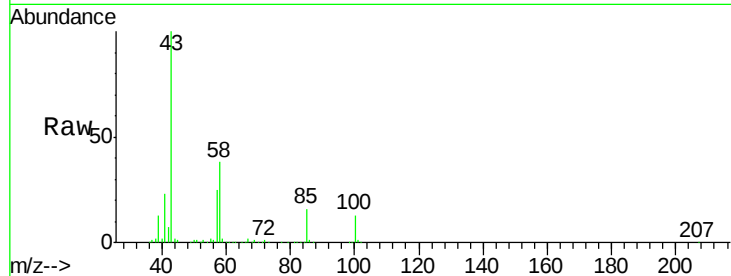




#51
4-Methyl-2-Pentanone
Concen: 247.275 ug/l
RT: 9.95 min Scan# 2543
Delta R.T. -0.00 min
Lab File: VN062643.D
Acq: 29 Jul 2020 10:00

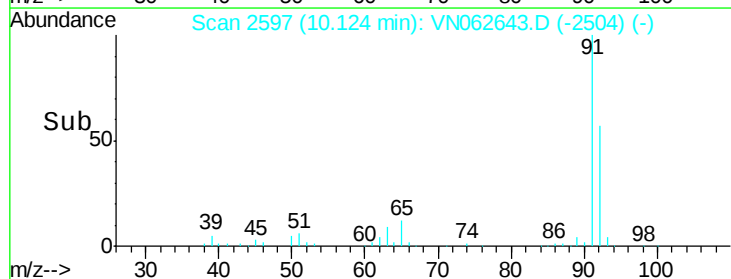
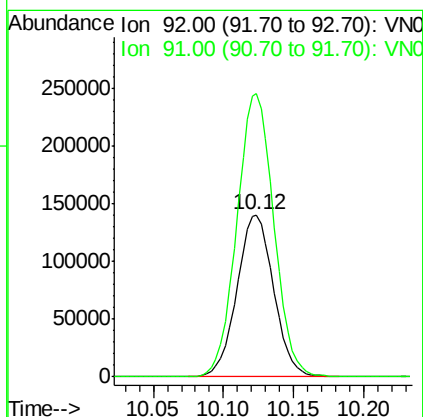
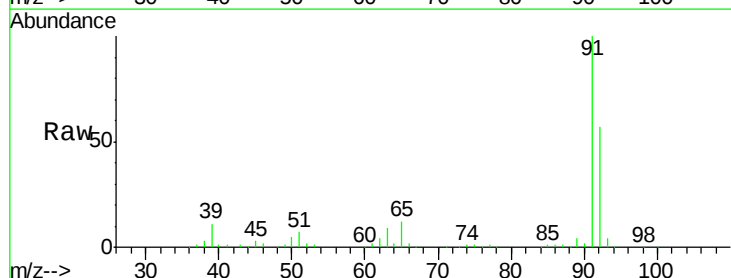
Instrument :
MSVOA_N
ClientSampled :

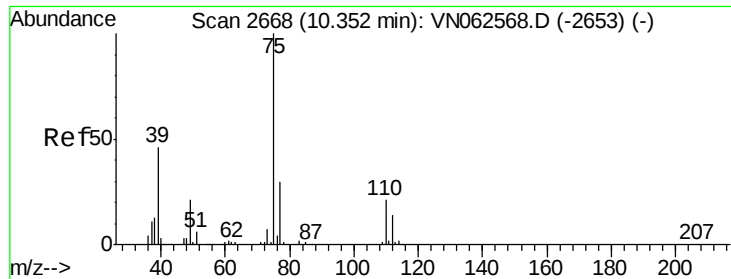
Tot Ion: 43 Resp: 761141
Ion Ratio Lower Upper
43 100
58 37.8 29.8 44.6



#52
Toluene
Concen: 49.184 ug/l
RT: 10.12 min Scan# 2597
Delta R.T. -0.00 min
Lab File: VN062643.D
Acq: 29 Jul 2020 10:00

Tgt Ion: 92 Resp: 255971
Ion Ratio Lower Upper
92 100
91 176.6 139.4 209.2





#53

t-1,3-Dichloropropene

Concen: 52.061 ug/l

RT: 10.35 min Scan# 2668

Delta R.T. -0.00 min

Lab File: VN062643.D

Acq: 29 Jul 2020 10:00

Instrument :

MSVOA_N

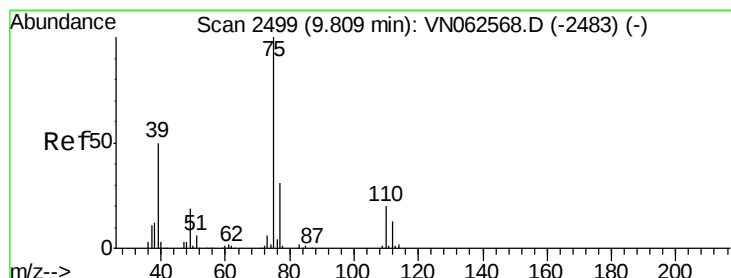
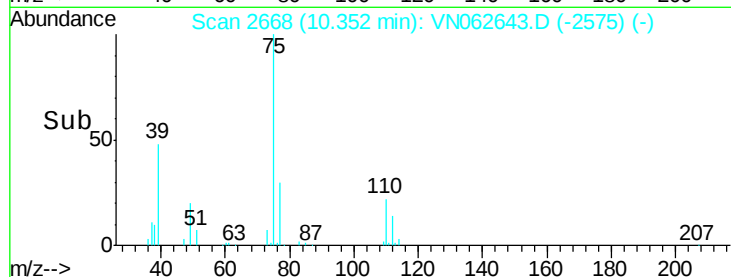
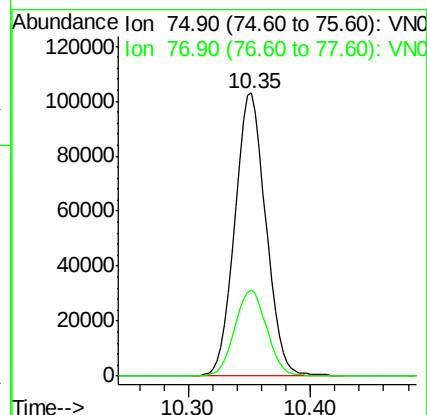
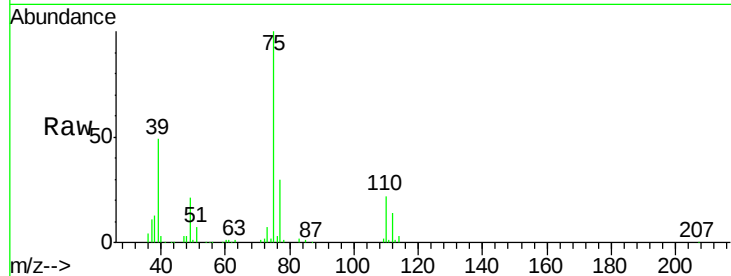
ClientSampleId :

Tot Ion: 75 Resp: 182617

Ion Ratio Lower Upper

75 100

77 30.4 24.3 36.5



#54

cis-1,3-Dichloropropene

Concen: 51.438 ug/l

RT: 9.81 min Scan# 2498

Delta R.T. -0.00 min

Lab File: VN062643.D

Acq: 29 Jul 2020 10:00

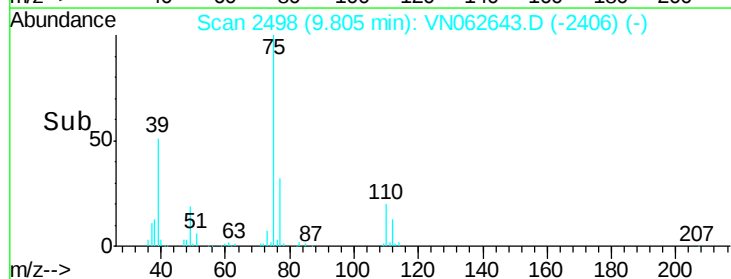
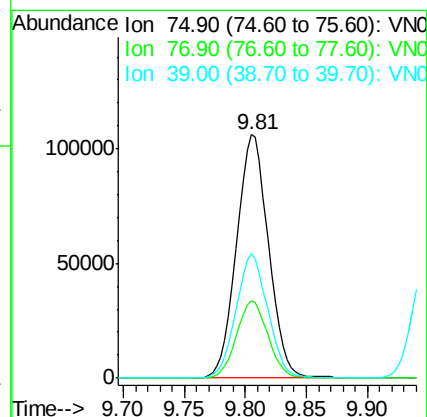
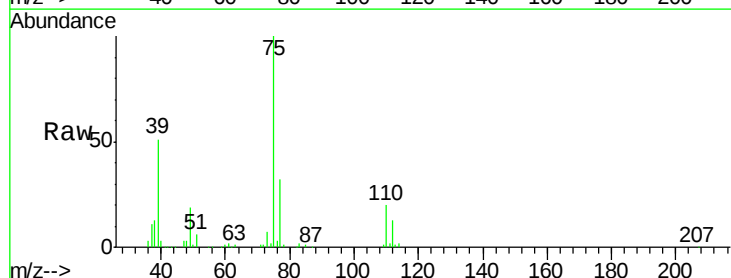
Tgt Ion: 75 Resp: 193608

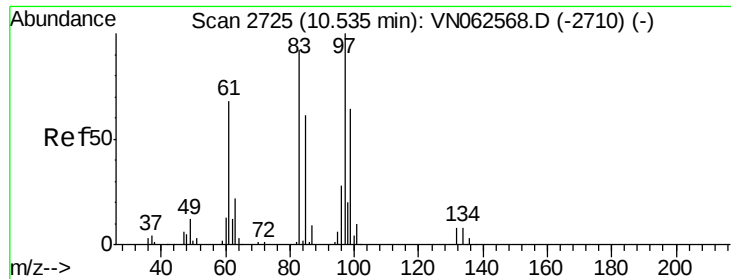
Ion Ratio Lower Upper

75 100

77 31.9 25.0 37.6

39 51.1 39.8 59.8

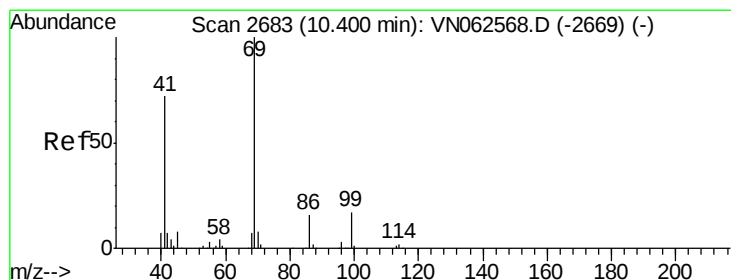
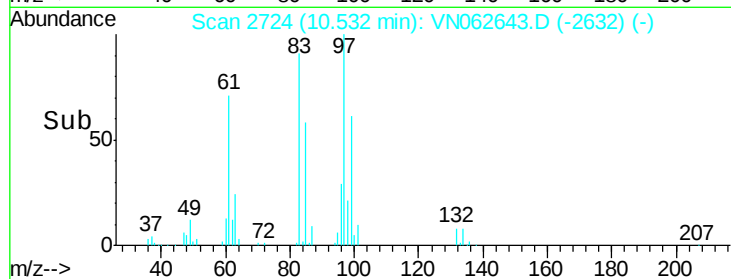
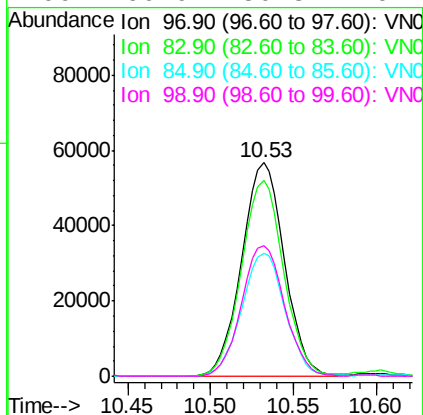
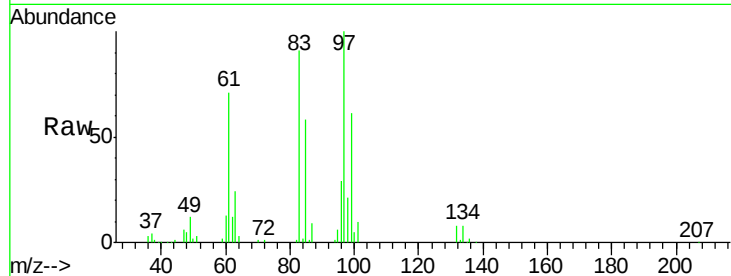




#55
 1,1,2-Trichloroethane
 Concen: 50.279 ug/l
 RT: 10.53 min Scan# 2724
 Delta R.T. -0.00 min
 Lab File: VN062643.D
 Acq: 29 Jul 2020 10:00

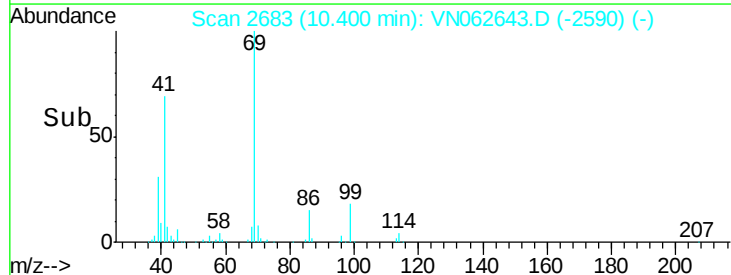
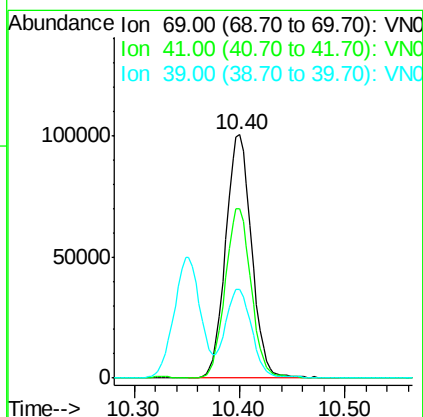
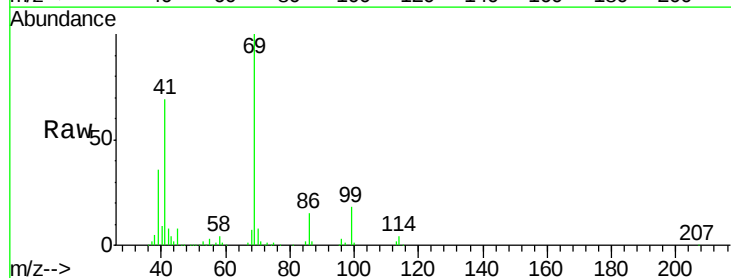
Instrument :
 MSVOA_N
 ClientSampleId :

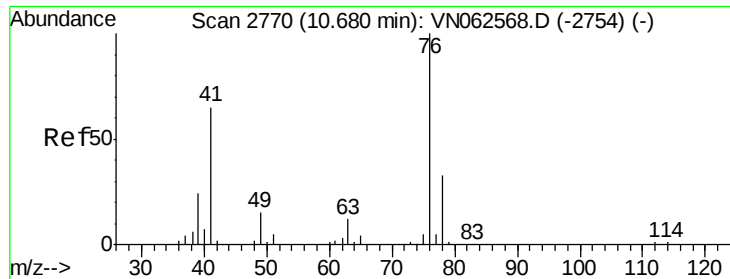
Tot Ion:	97	Resp:	101497
Ion	Ratio	Lower	Upper
97	100		
83	91.4	73.7	110.5
85	57.6	48.5	72.7
99	60.9	50.8	76.2



#56
 Ethyl methacrylate
 Concen: 47.313 ug/l
 RT: 10.40 min Scan# 2683
 Delta R.T. 0.00 min
 Lab File: VN062643.D
 Acq: 29 Jul 2020 10:00

Tgt Ion:	69	Resp:	171142
Ion	Ratio	Lower	Upper
69	100		
41	69.0	57.2	85.8
39	37.4	28.6	43.0

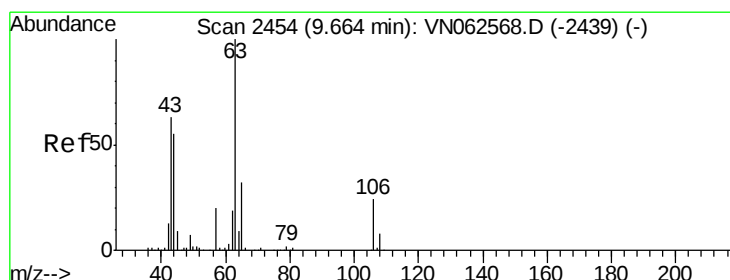
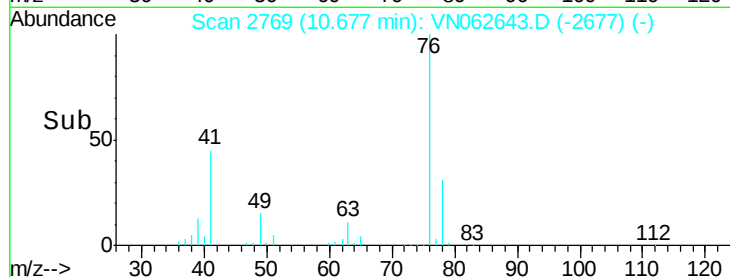
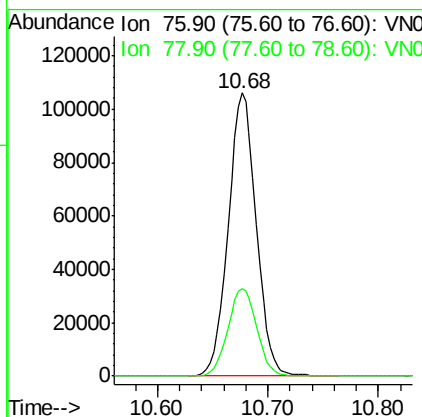
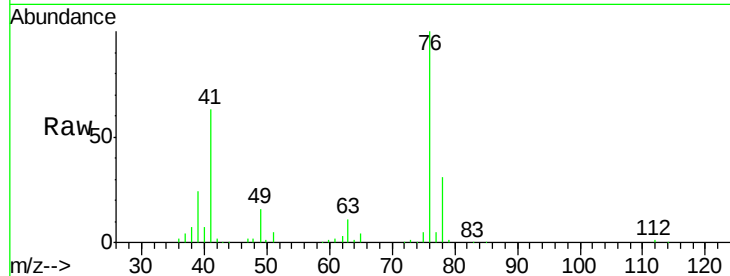




#57
 1,3-Dichloropropane
 Concen: 50.298 ug/l
 RT: 10.68 min Scan# 2769
 Delta R.T. -0.00 min
 Lab File: VN062643.D
 Acq: 29 Jul 2020 10:00

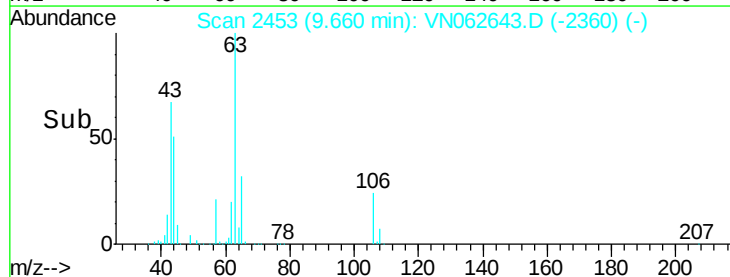
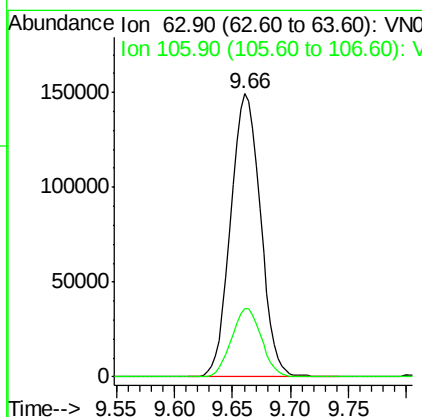
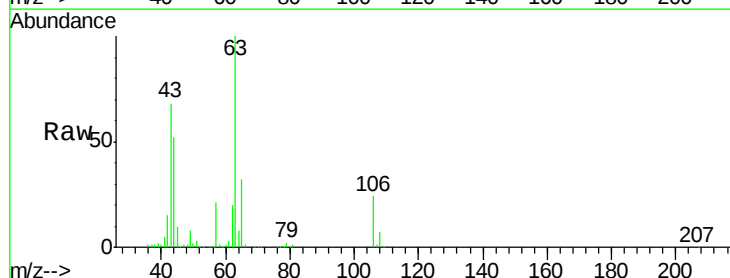
Instrument :
 MSVOA_N
 ClientSampleId :

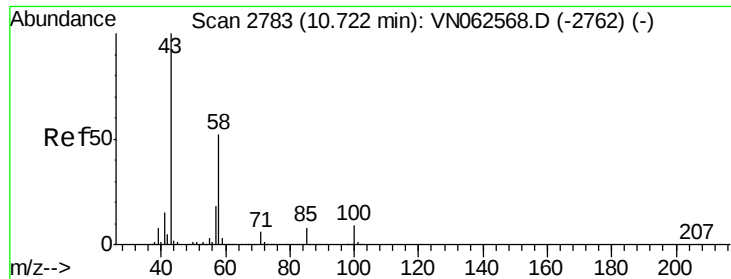
Tot Ion: 76 Resp: 186017
 Ion Ratio Lower Upper
 76 100
 78 32.1 26.3 39.5



#58
 2-Chloroethyl Vinyl ether
 Concen: 243.665 ug/l
 RT: 9.66 min Scan# 2453
 Delta R.T. -0.00 min
 Lab File: VN062643.D
 Acq: 29 Jul 2020 10:00

Tgt Ion: 63 Resp: 265683
 Ion Ratio Lower Upper
 63 100
 106 24.3 18.9 28.3

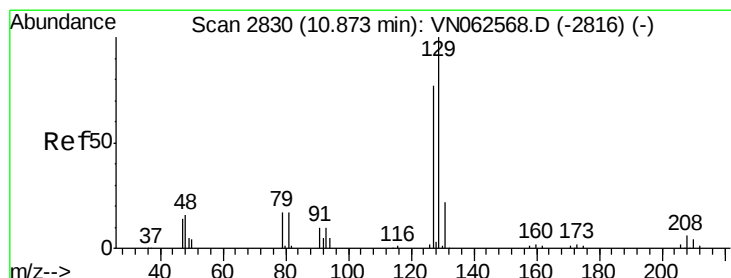
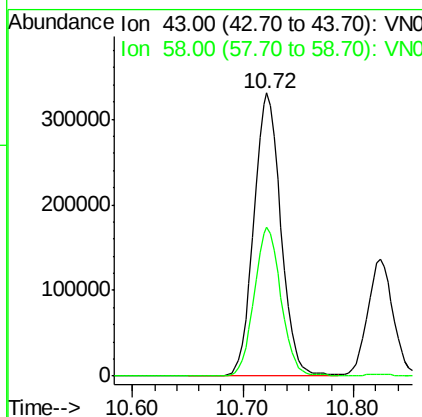
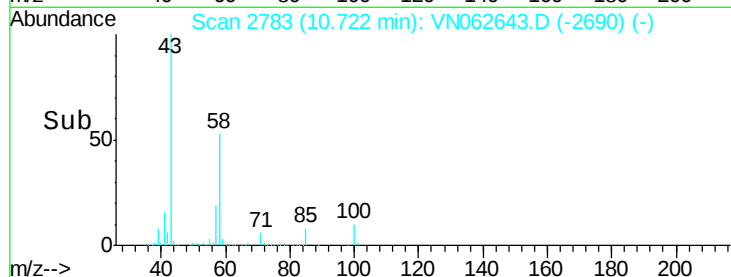
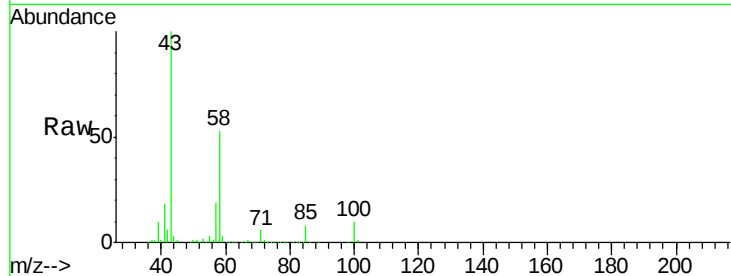




#59
2-Hexanone
Concen: 235.991 ug/l
RT: 10.72 min Scan# 2783
Delta R.T. 0.00 min
Lab File: VN062643.D
Acq: 29 Jul 2020 10:00

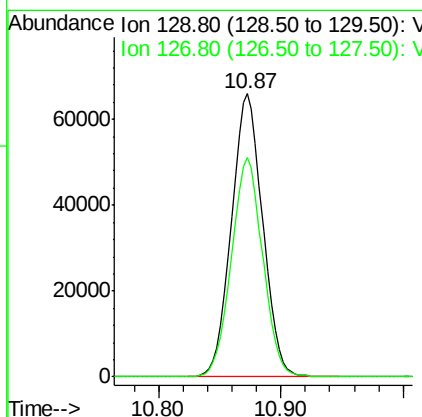
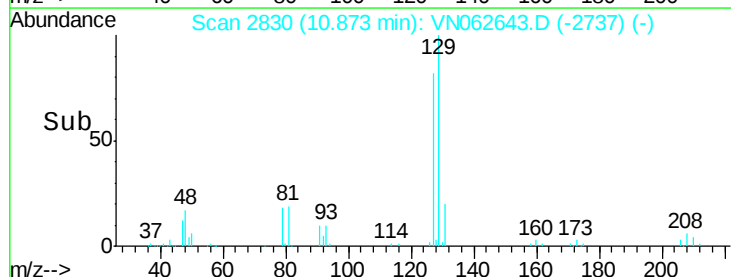
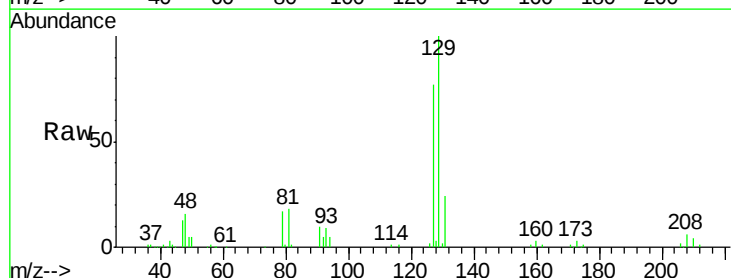
Instrument :
MSVOA_N
ClientSampled :

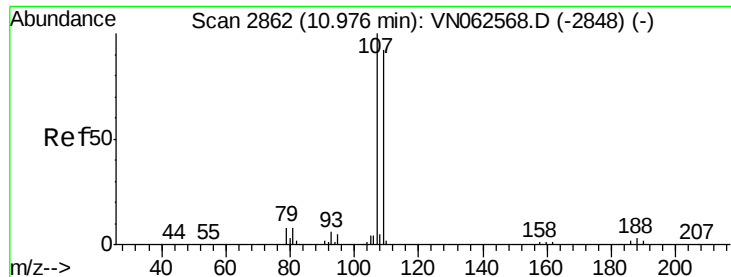
Tot Ion: 43 Resp: 561381
Ion Ratio Lower Upper
43 100
58 52.3 26.0 78.0



#60
Dibromochloromethane
Concen: 52.102 ug/l
RT: 10.87 min Scan# 2830
Delta R.T. -0.00 min
Lab File: VN062643.D
Acq: 29 Jul 2020 10:00

Tgt Ion: 129 Resp: 117336
Ion Ratio Lower Upper
129 100
127 77.5 38.0 113.9

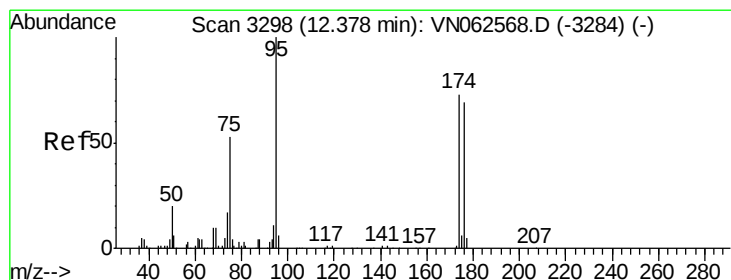
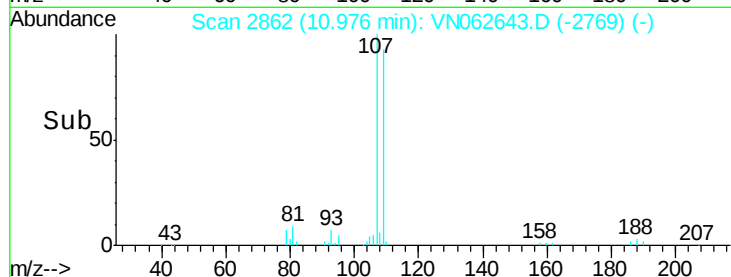
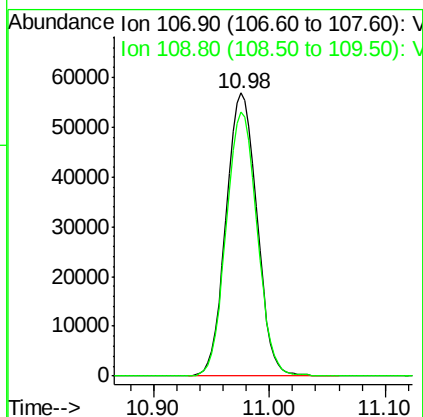
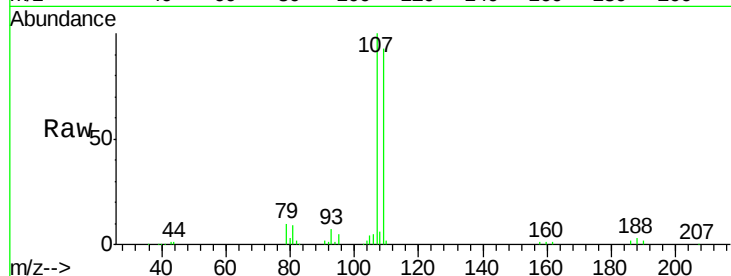




#61
 1,2-Dibromoethane
 Concen: 49.773 ug/l
 RT: 10.98 min Scan# 2862
 Delta R.T. -0.00 min
 Lab File: VN062643.D
 Acq: 29 Jul 2020 10:00

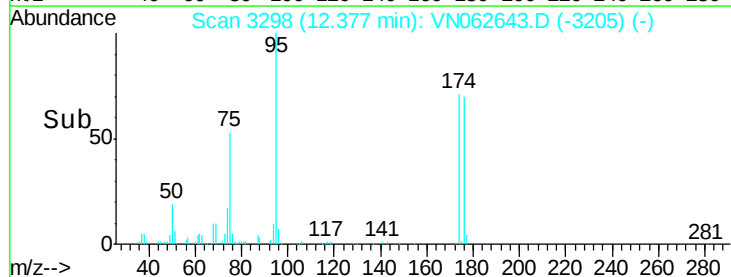
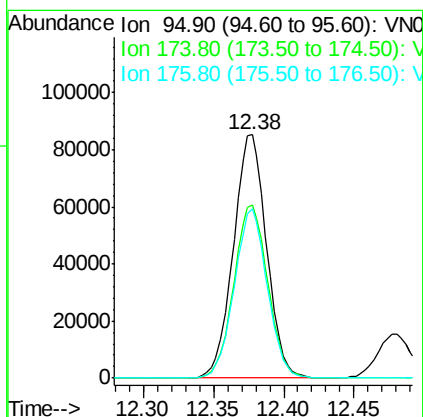
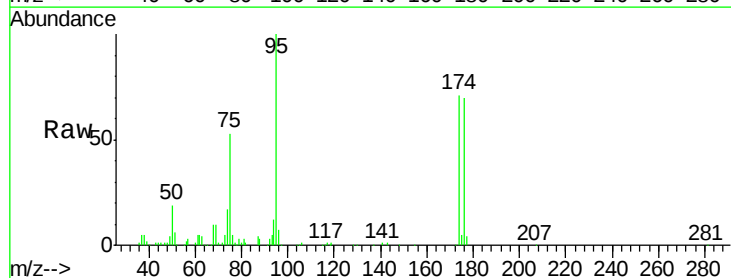
Instrument :
 MSVOA_N
 ClientSampled :

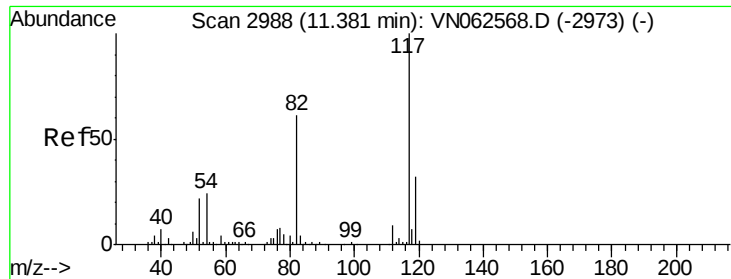
Tot Ion:107 Resp: 104626
 Ion Ratio Lower Upper
 107 100
 109 93.6 73.8 110.6



#62
 4-Bromofluorobenzene
 Concen: 52.770 ug/l
 RT: 12.38 min Scan# 3298
 Delta R.T. -0.00 min
 Lab File: VN062643.D
 Acq: 29 Jul 2020 10:00

Tgt Ion: 95 Resp: 140449
 Ion Ratio Lower Upper
 95 100
 174 72.7 0.0 144.6
 176 69.1 0.0 139.4

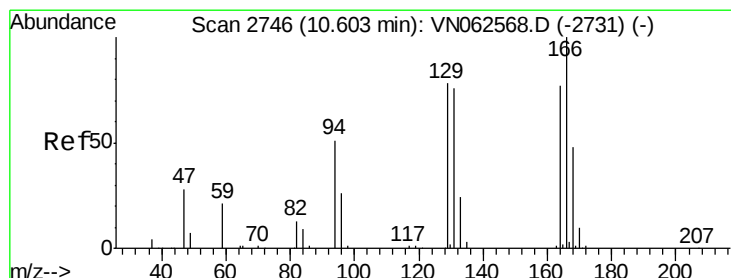
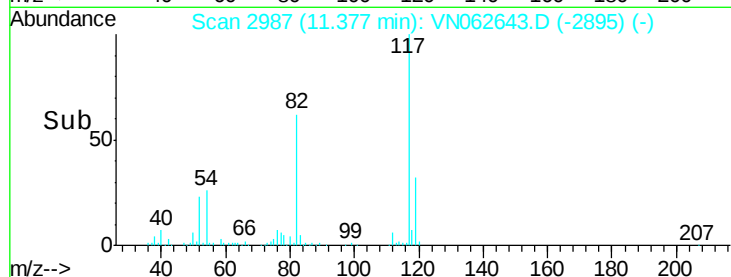
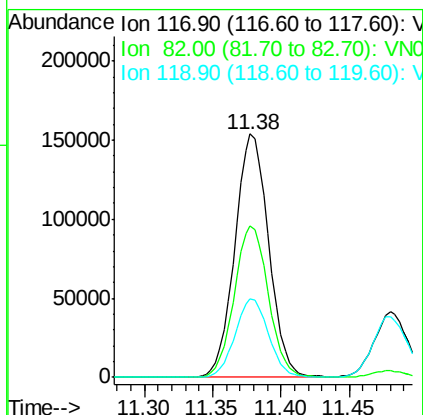
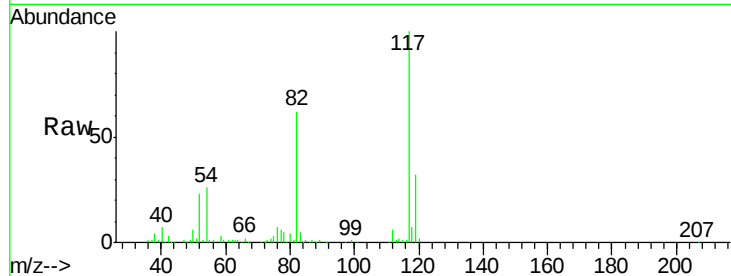




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2987
Delta R.T. -0.00 min
Lab File: VN062643.D
Acq: 29 Jul 2020 10:00

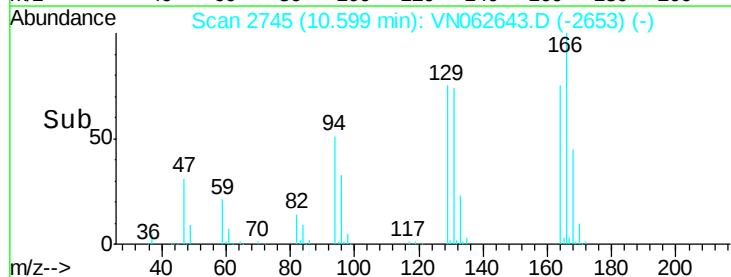
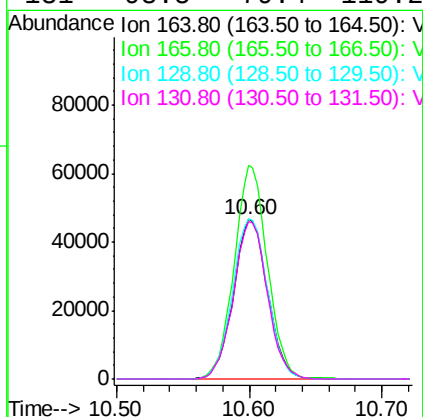
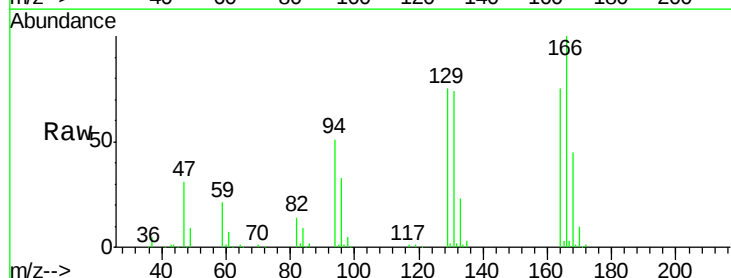
Instrument :
MSVOA_N
ClientSampleId :

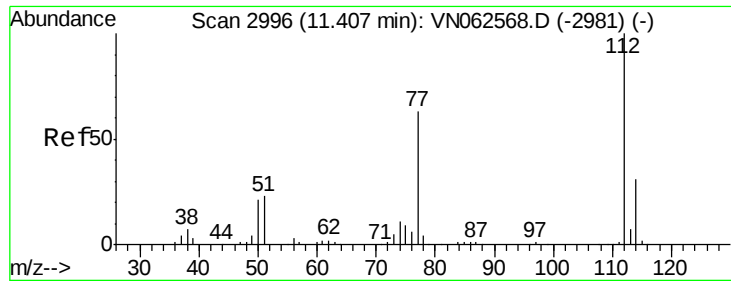
Tot Ion:117 Resp: 265441
Ion Ratio Lower Upper
117 100
82 62.1 49.0 73.6
119 32.3 25.4 38.2



#64
Tetrachloroethene
Concen: 48.356 ug/l
RT: 10.60 min Scan# 2745
Delta R.T. -0.00 min
Lab File: VN062643.D
Acq: 29 Jul 2020 10:00

Tgt Ion:164 Resp: 83397
Ion Ratio Lower Upper
164 100
166 133.9 104.4 156.6
129 100.3 81.0 121.4
131 98.5 79.4 119.2

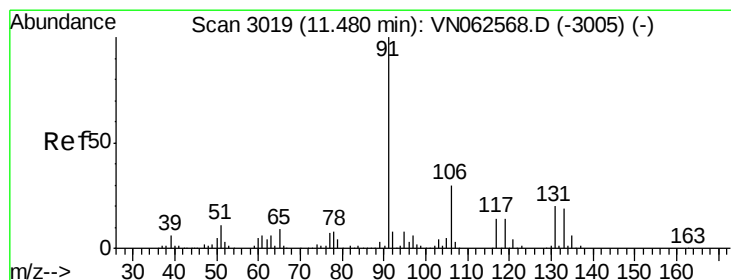
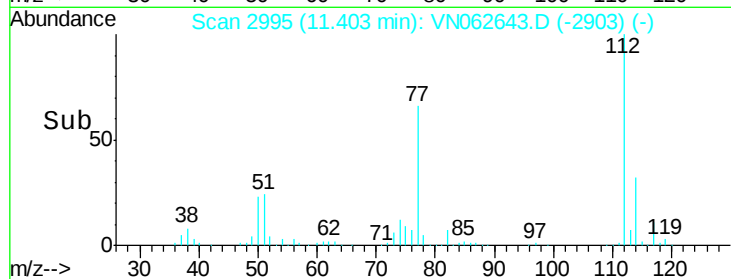
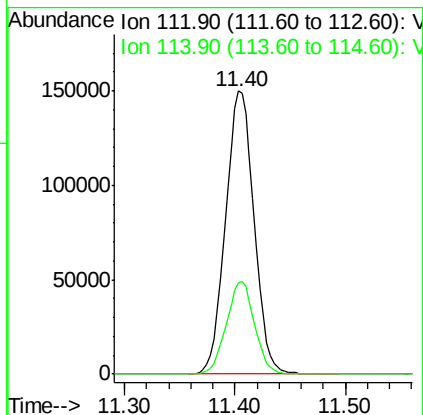
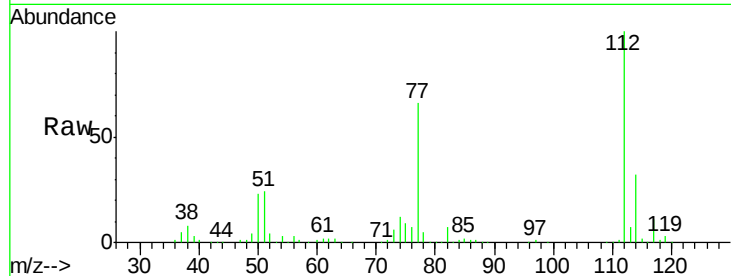




#65
Chlorobenzene
Concen: 48.177 ug/l
RT: 11.40 min Scan# 2995
Delta R.T. -0.00 min
Lab File: VN062643.D
Acq: 29 Jul 2020 10:00

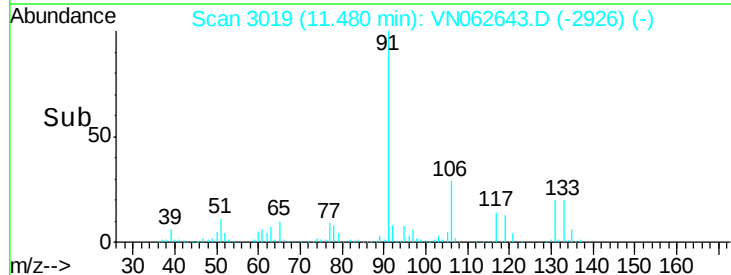
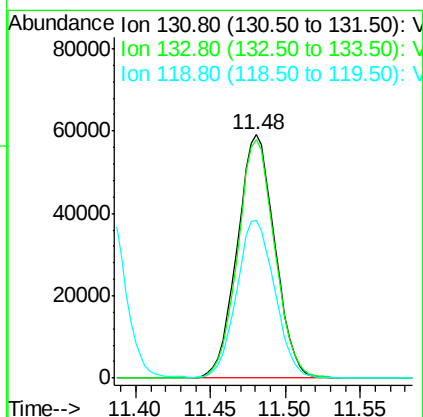
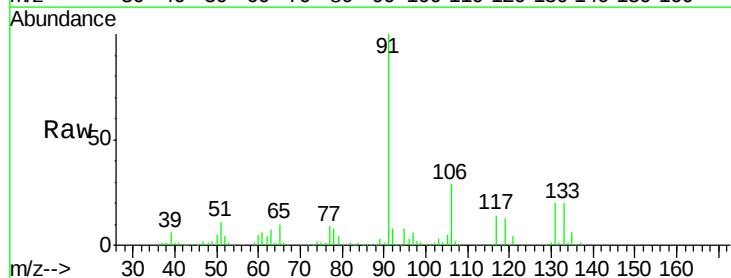
Instrument :
MSVOA_N
ClientSampled :

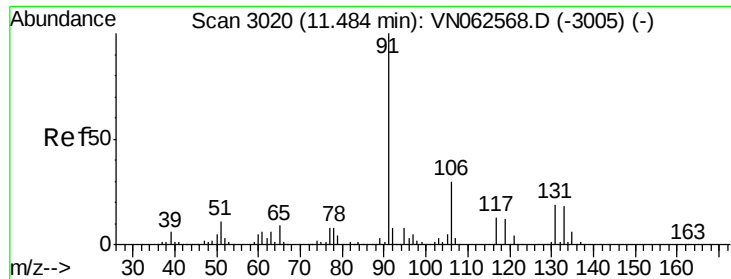
Tot Ion:112 Resp: 268097
Ion Ratio Lower Upper
112 100
114 32.4 25.1 37.7



#66
1,1,1,2-Tetrachloroethane
Concen: 49.382 ug/l
RT: 11.48 min Scan# 3019
Delta R.T. -0.00 min
Lab File: VN062643.D
Acq: 29 Jul 2020 10:00

Tgt Ion:131 Resp: 103379
Ion Ratio Lower Upper
131 100
133 96.7 47.3 142.0
119 65.7 33.7 101.0

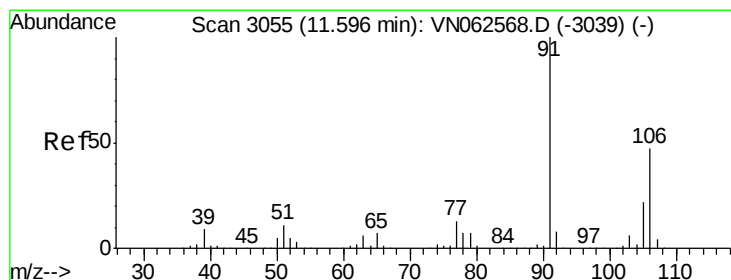
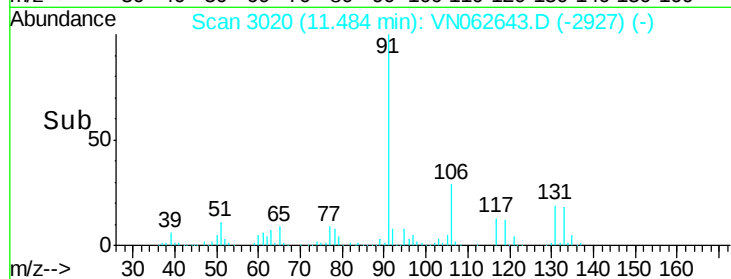
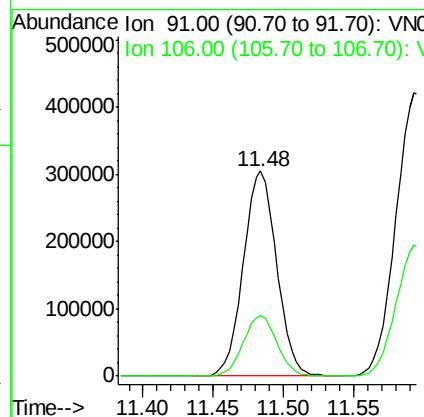
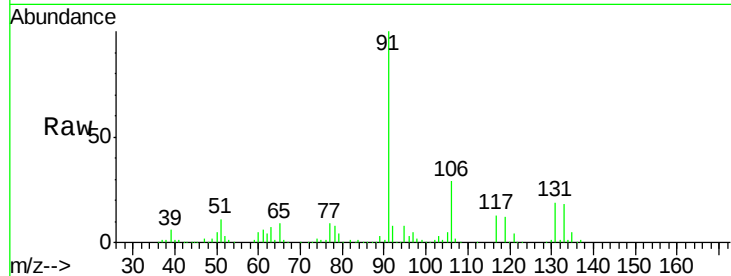




#67
Ethyl Benzene
Concen: 49.573 ug/l
RT: 11.48 min Scan# 3020
Delta R.T. -0.00 min
Lab File: VN062643.D
Acq: 29 Jul 2020 10:00

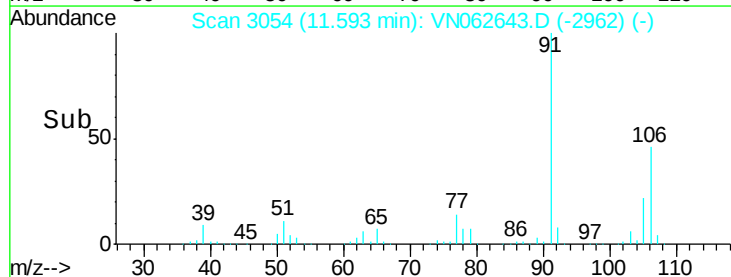
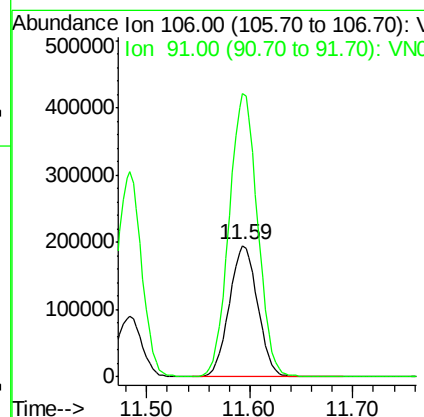
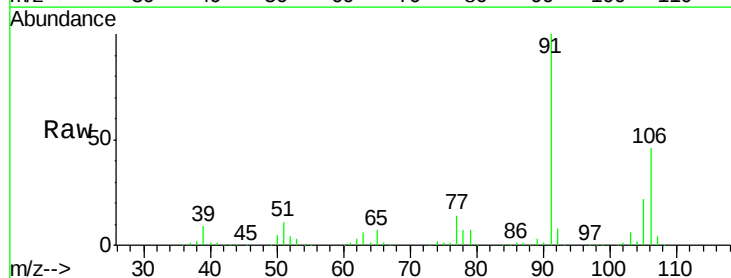
Instrument :
MSVOA_N
ClientSampled :

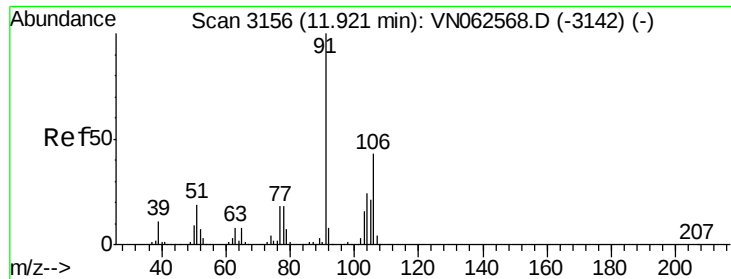
Tot Ion: 91 Resp: 505803
Ion Ratio Lower Upper
91 100
106 29.4 23.8 35.8



#68
m/p-Xylenes
Concen: 102.414 ug/l
RT: 11.59 min Scan# 3054
Delta R.T. -0.00 min
Lab File: VN062643.D
Acq: 29 Jul 2020 10:00

Tgt Ion: 106 Resp: 375584
Ion Ratio Lower Upper
106 100
91 215.6 171.4 257.2

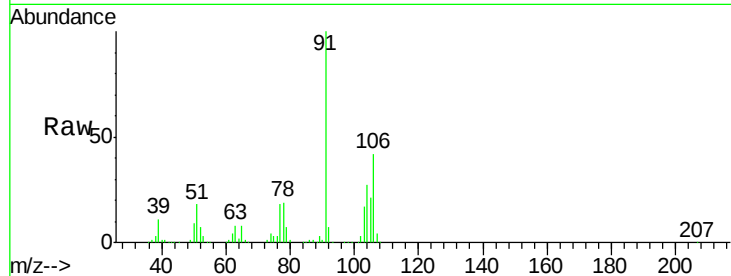




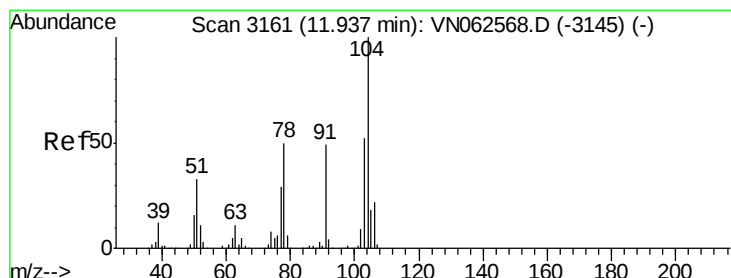
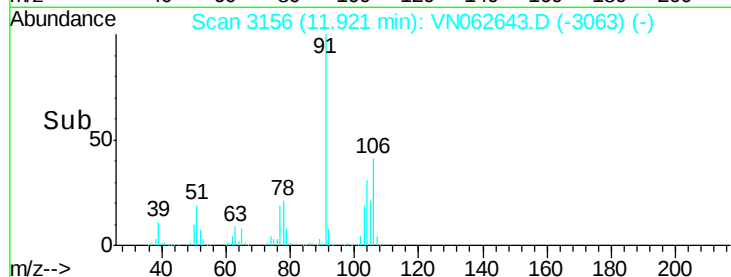
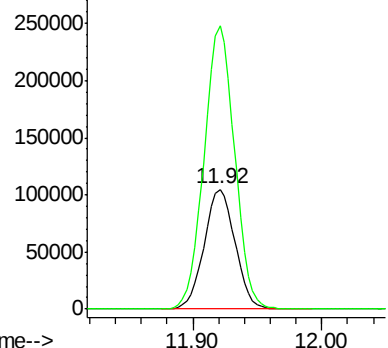
#69
o-Xylene
Concen: 50.220 ug/l
RT: 11.92 min Scan# 3156
Delta R.T. -0.00 min
Lab File: VN062643.D
Acq: 29 Jul 2020 10:00

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:106 Resp: 174888
Ion Ratio Lower Upper
106 100
91 233.3 113.8 341.2

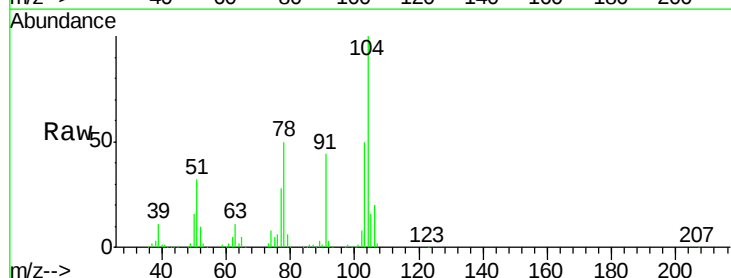


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VN0

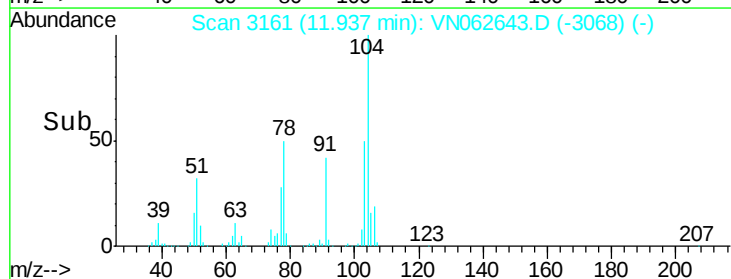
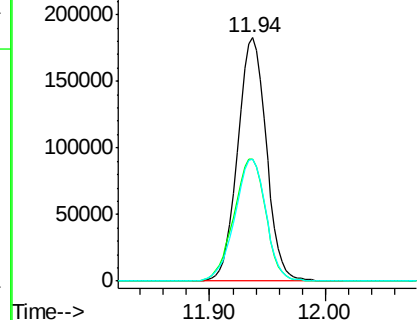


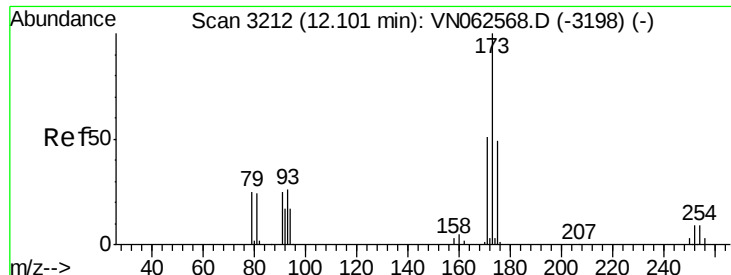
#70
Styrene
Concen: 53.097 ug/l
RT: 11.94 min Scan# 3161
Delta R.T. -0.00 min
Lab File: VN062643.D
Acq: 29 Jul 2020 10:00

Tgt Ion:104 Resp: 312353
Ion Ratio Lower Upper
104 100
78 56.1 43.8 65.6
103 54.4 44.0 66.0



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VN0
Ion 103.00 (102.70 to 103.70): V





#71

Bromoform

Concen: 51.616 ug/l

RT: 12.10 min Scan# 3212

Delta R.T. -0.00 min

Lab File: VN062643.D

Acq: 29 Jul 2020 10:00

Instrument :

MSVOA_N

ClientSampled :

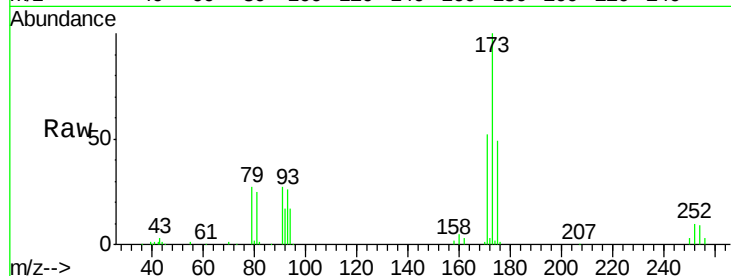
Tot Ion:173 Resp: 81132

Ion Ratio Lower Upper

173 100

175 49.1 24.1 72.2

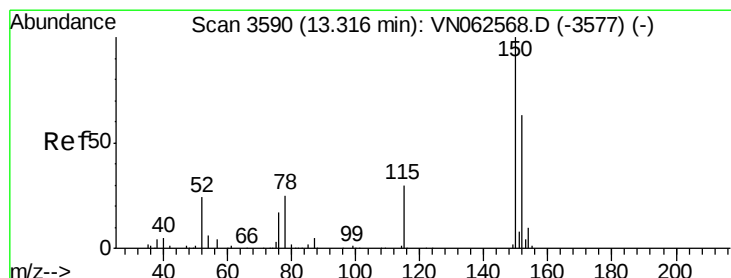
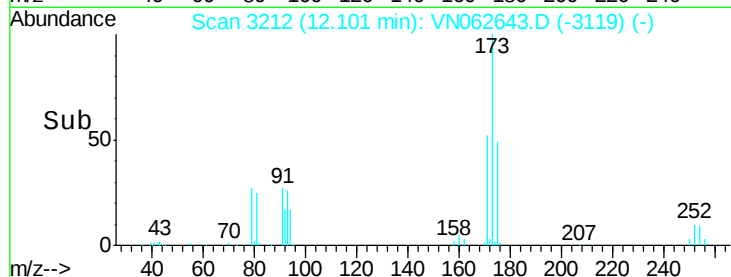
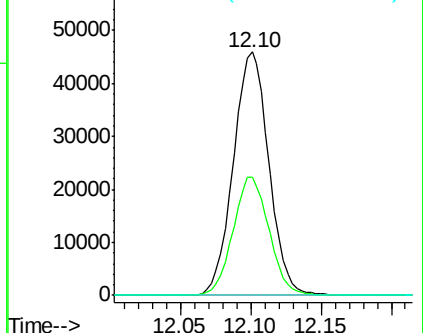
254 0.0 0.0 0.0



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.32 min Scan# 3590

Delta R.T. -0.00 min

Lab File: VN062643.D

Acq: 29 Jul 2020 10:00

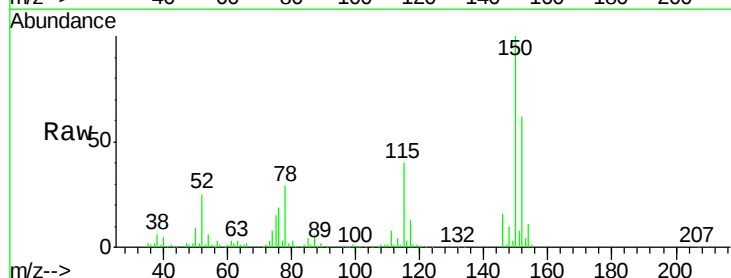
Tgt Ion:152 Resp: 118822

Ion Ratio Lower Upper

152 100

115 63.2 31.8 95.4

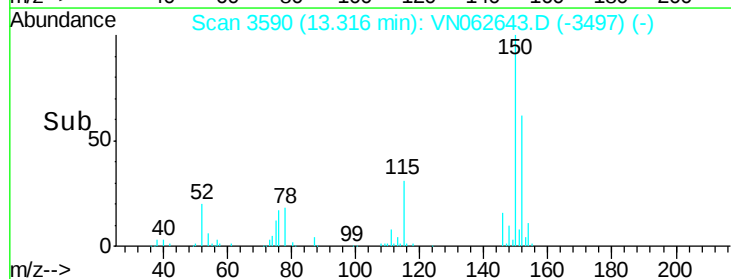
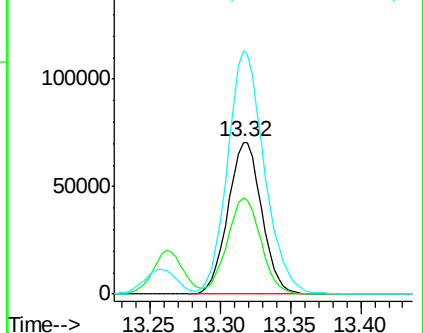
150 174.4 0.0 351.4

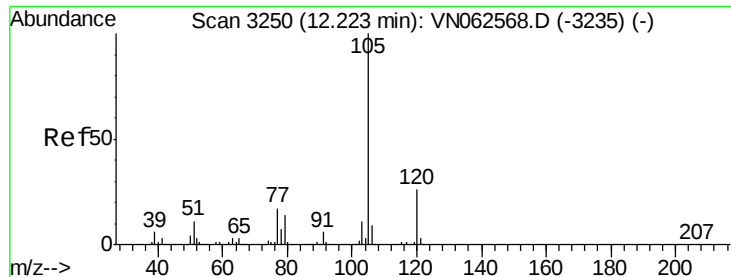


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 51.934 ug/l

RT: 12.22 min Scan# 3250

Delta R.T. -0.00 min

Lab File: VN062643.D

Acq: 29 Jul 2020 10:00

Instrument :

MSVOA_N

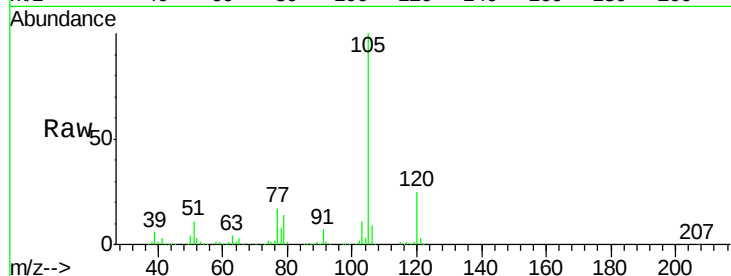
ClientSampleId :

Tot Ion:105 Resp: 487942

Ion Ratio Lower Upper

105 100

120 25.2 12.8 38.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.22

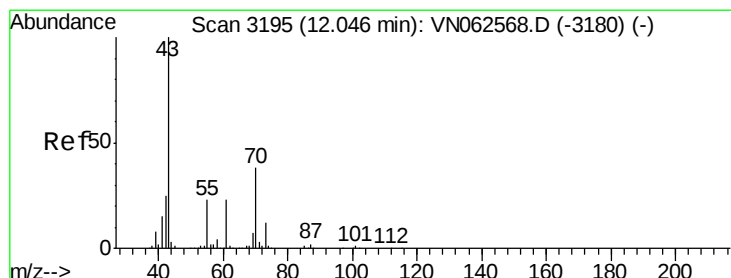
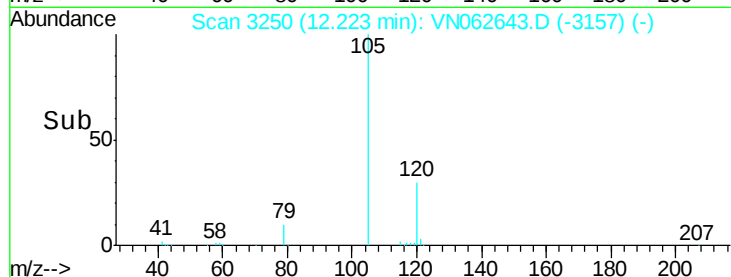
300000

200000

100000

0

Time-->



#74

N-ethyl acetate

Concen: 52.920 ug/l

RT: 12.04 min Scan# 3194

Delta R.T. -0.00 min

Lab File: VN062643.D

Acq: 29 Jul 2020 10:00

Tgt Ion: 43 Resp: 222045

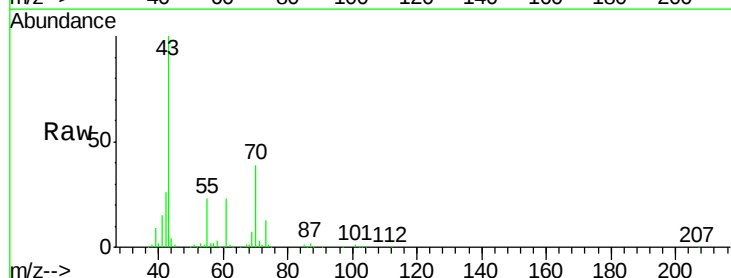
Ion Ratio Lower Upper

43 100

70 39.2 30.5 45.7

55 23.9 19.0 28.6

61 23.2 18.4 27.6



Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V

12.04

200000

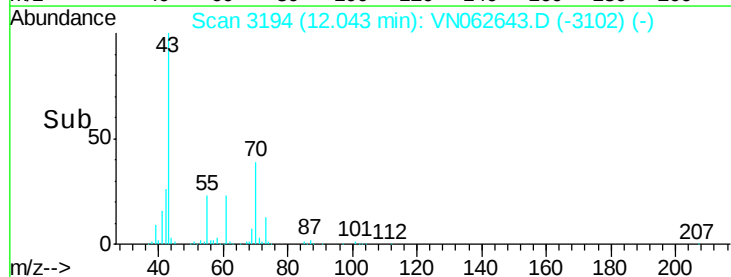
150000

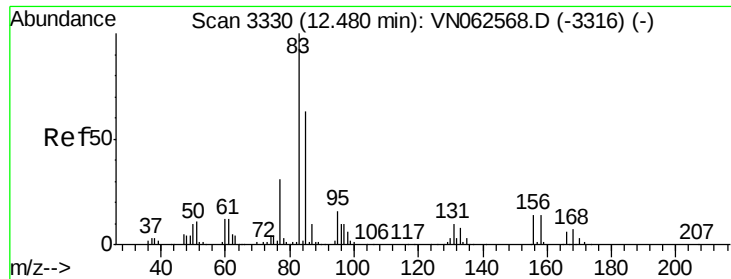
100000

50000

0

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 46.889 ug/l

RT: 12.48 min Scan# 3329

Delta R.T. -0.00 min

Lab File: VN062643.D

Acq: 29 Jul 2020 10:00

Instrument :

MSVOA_N

ClientSampleId :

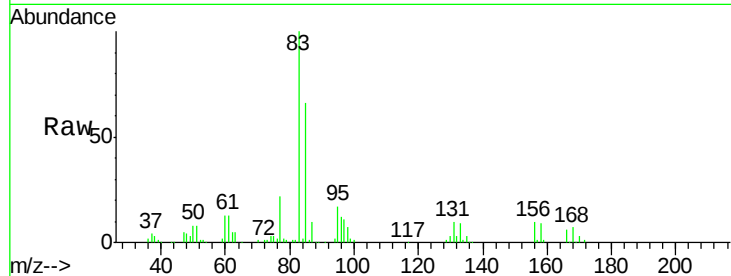
Tot Ion: 83 Resp: 153089

Ion Ratio Lower Upper

83 100

131 9.7 4.8 14.3

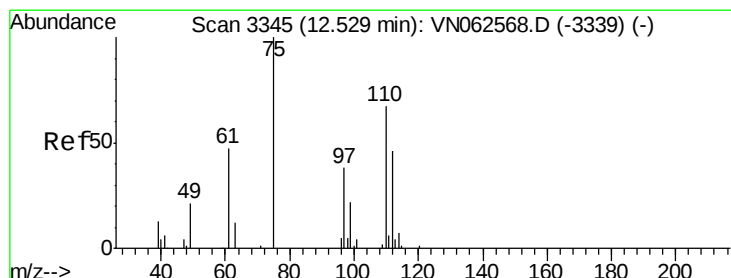
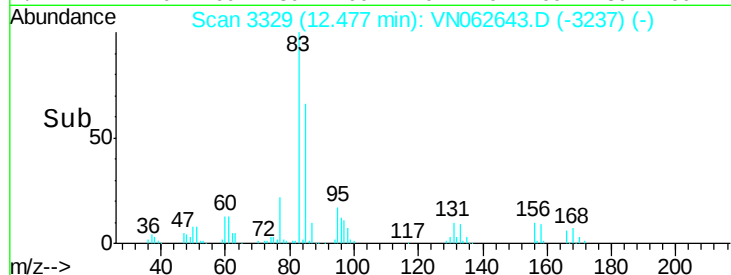
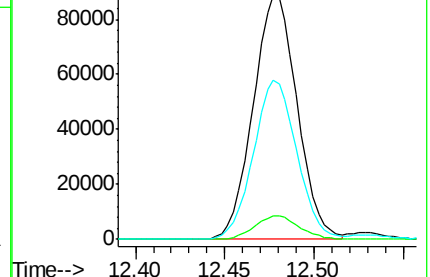
85 64.3 31.8 95.4



Abundance Ion 82.90 (82.60 to 83.60): VN062643.D (-3237) (-)

Ion 130.80 (130.50 to 131.50): VN062643.D (-3237) (-)

Ion 84.90 (84.60 to 85.60): VN062643.D (-3237) (-)



#76

1,2,3-Trichloropropane

Concen: 69.780 ug/l

RT: 12.53 min Scan# 3345

Delta R.T. -0.00 min

Lab File: VN062643.D

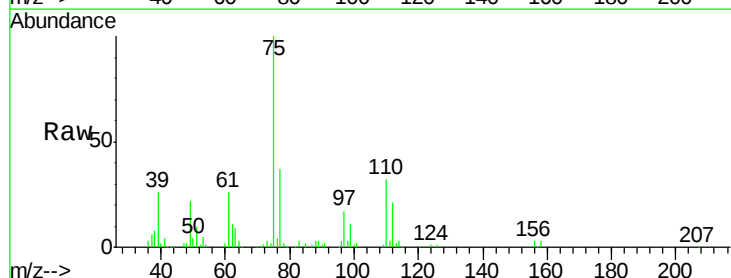
Acq: 29 Jul 2020 10:00

Tgt Ion: 75 Resp: 211046

Ion Ratio Lower Upper

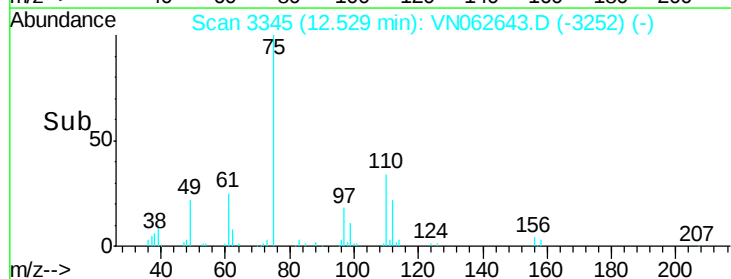
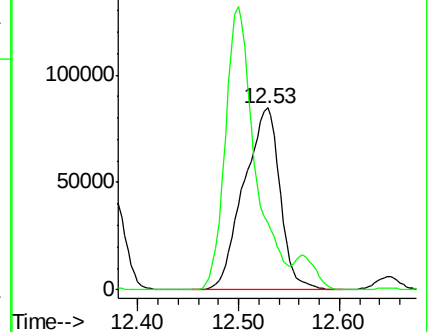
75 100

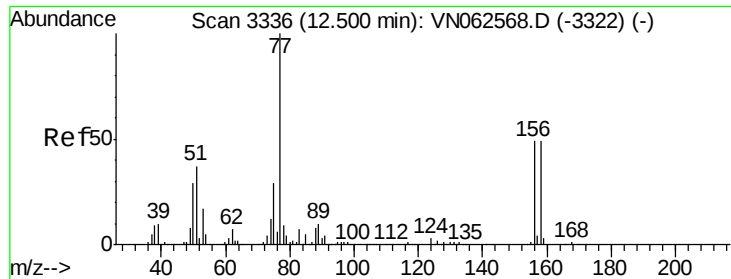
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN062643.D (-3252) (-)

Ion 77.00 (76.70 to 77.70): VN062643.D (-3252) (-)





#77

Bromobenzene

Concen: 50.565 ug/l

RT: 12.50 min Scan# 3336

Delta R.T. -0.00 min

Lab File: VN062643.D

Acq: 29 Jul 2020 10:00

Instrument :

MSVOA_N

ClientSampled :

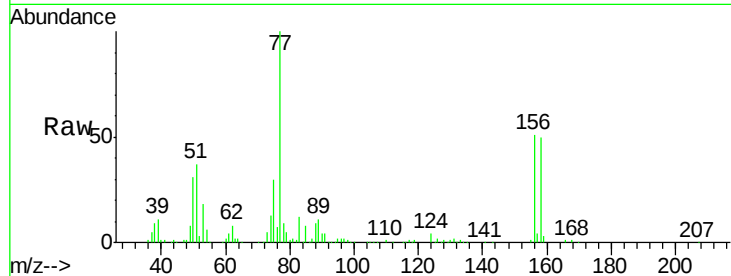
Tot Ion:156 Resp: 114170

Ion Ratio Lower Upper

156 100

77 238.8 122.8 368.3

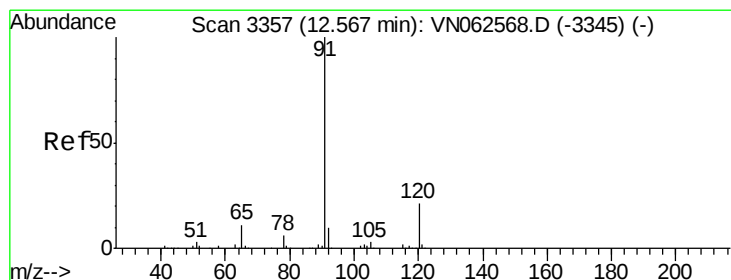
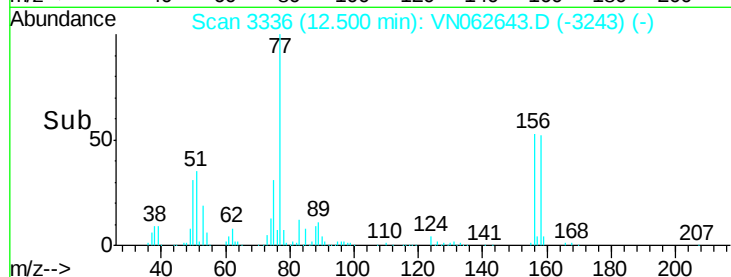
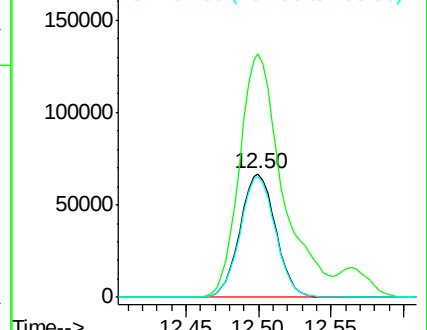
158 96.4 49.4 148.0



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 52.700 ug/l

RT: 12.56 min Scan# 3356

Delta R.T. -0.00 min

Lab File: VN062643.D

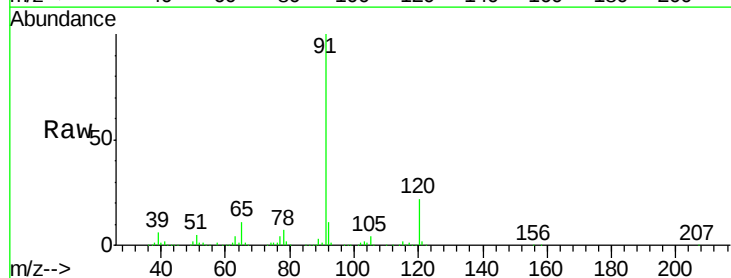
Acq: 29 Jul 2020 10:00

Tgt Ion: 91 Resp: 579989

Ion Ratio Lower Upper

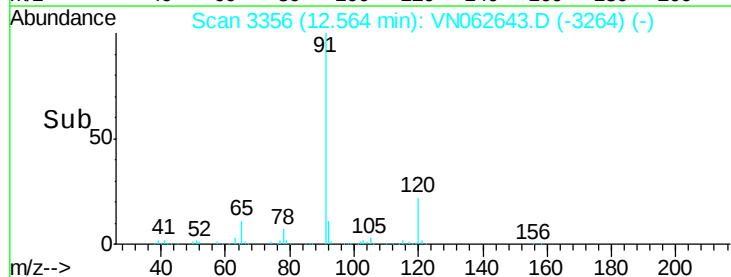
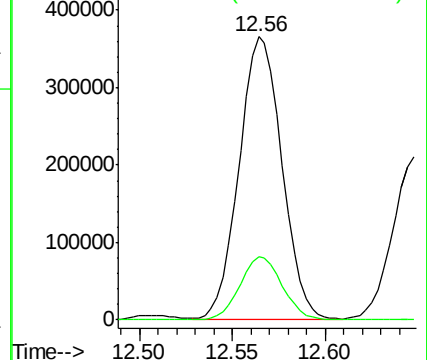
91 100

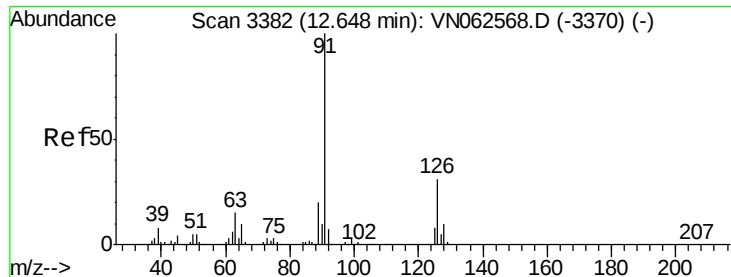
120 22.2 10.9 32.6



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 50.928 ug/l

RT: 12.65 min Scan# 3382

Delta R.T. -0.00 min

Lab File: VN062643.D

Acq: 29 Jul 2020 10:00

Instrument :

MSVOA_N

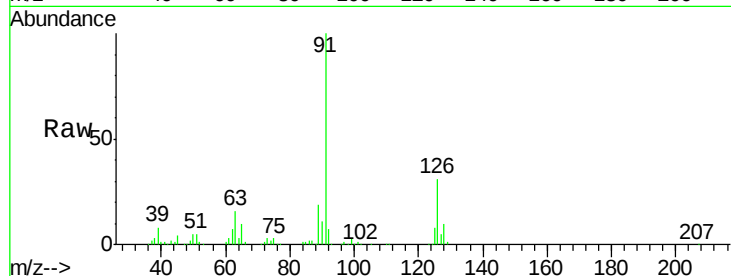
ClientSampled :

Tot Ion: 91 Resp: 345417

Ion Ratio Lower Upper

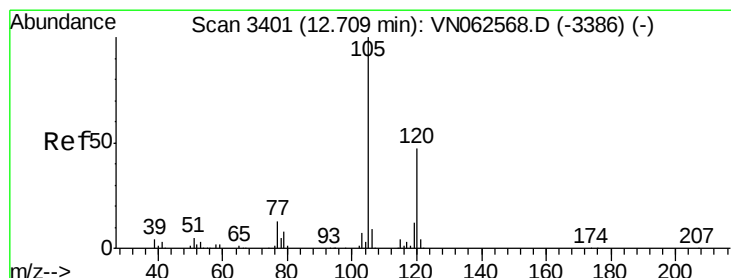
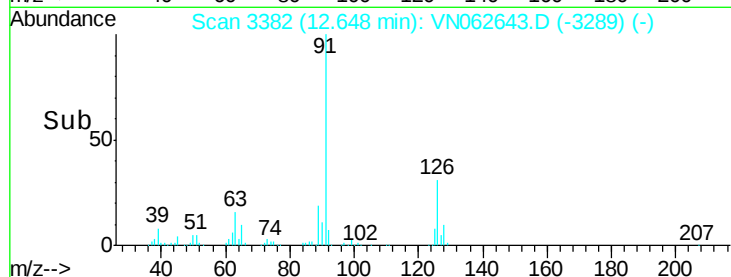
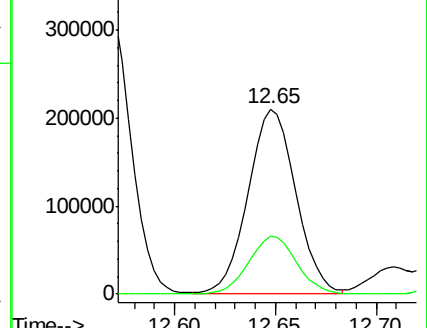
91 100

126 31.8 15.9 47.6



Abundance Ion 91.00 (90.70 to 91.70): VN062643.D (-3382) (-)

Ion 125.90 (125.60 to 126.60): VN062643.D (-3382) (-)



#80

1,3,5-Trimethylbenzene

Concen: 55.049 ug/l

RT: 12.71 min Scan# 3401

Delta R.T. -0.00 min

Lab File: VN062643.D

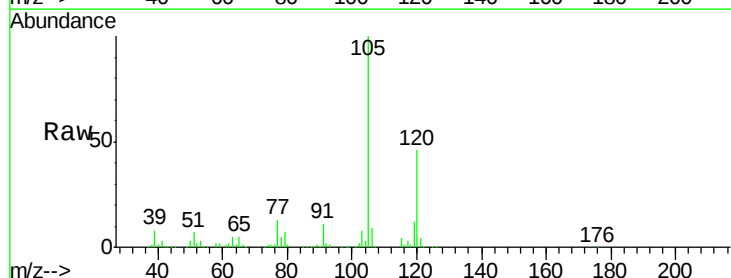
Acq: 29 Jul 2020 10:00

Tgt Ion: 105 Resp: 429020

Ion Ratio Lower Upper

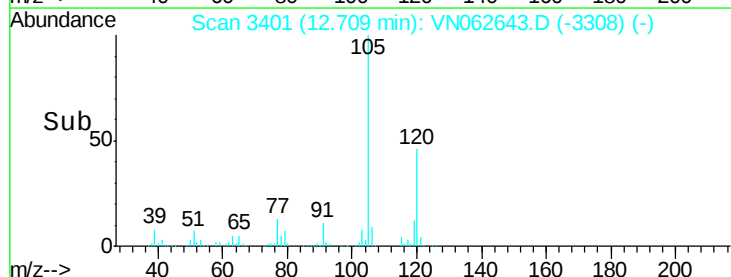
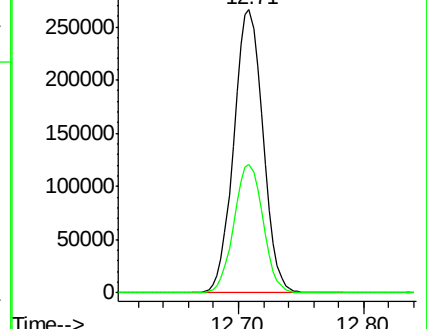
105 100

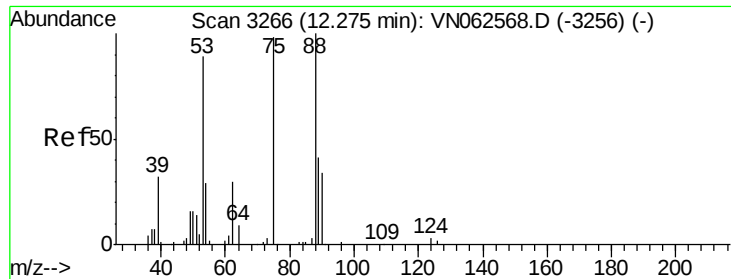
120 45.5 23.2 69.6



Abundance Ion 105.00 (104.70 to 105.70): VN062643.D (-3401) (-)

Ion 120.00 (119.70 to 120.70): VN062643.D (-3401) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 51.459 ug/l

RT: 12.27 min Scan# 3266

Delta R.T. -0.00 min

Lab File: VN062643.D

Acq: 29 Jul 2020 10:00

Instrument :

MSVOA_N

ClientSampled :

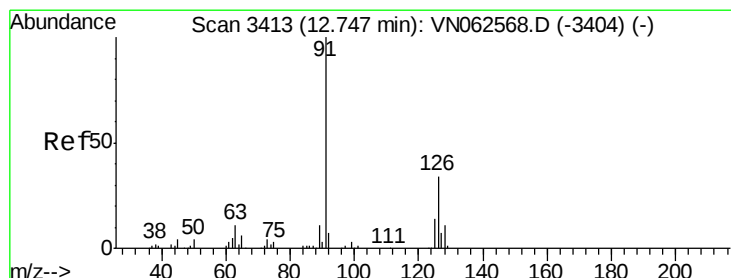
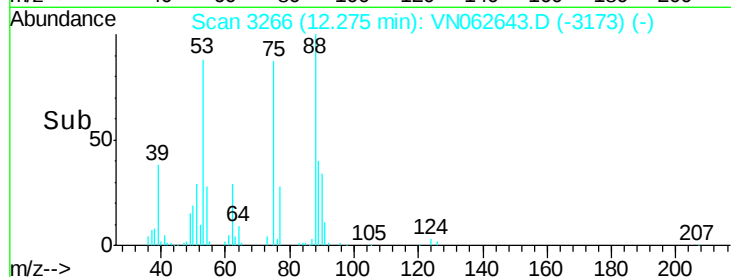
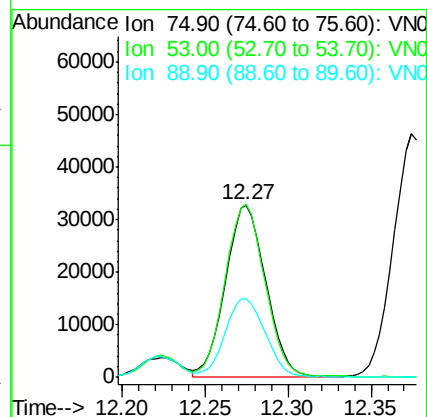
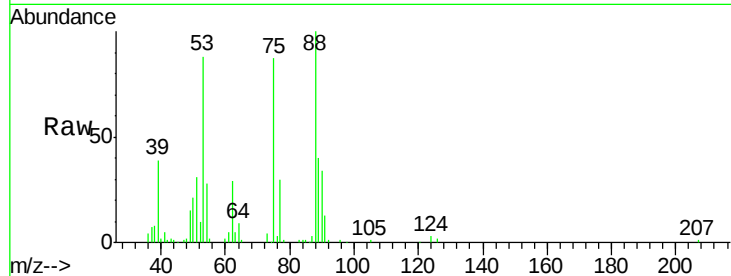
Tot Ion: 75 Resp: 55908

Ion Ratio Lower Upper

75 100

53 99.5 75.4 113.0

89 43.9 34.5 51.7



#82

4-Chlorotoluene

Concen: 51.517 ug/l

RT: 12.75 min Scan# 3413

Delta R.T. -0.00 min

Lab File: VN062643.D

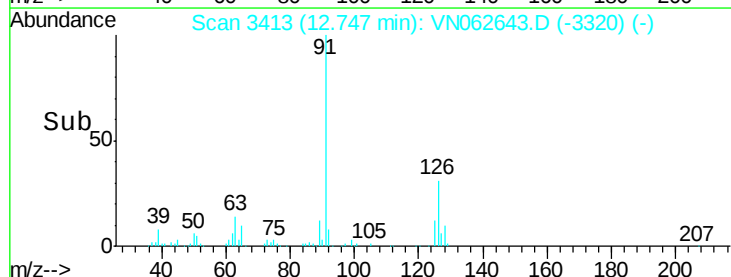
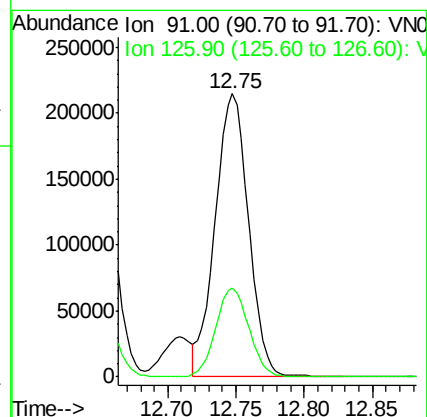
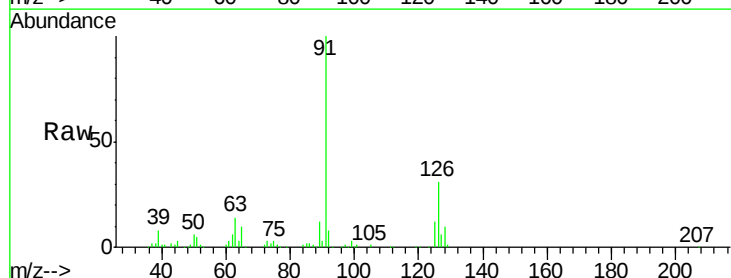
Acq: 29 Jul 2020 10:00

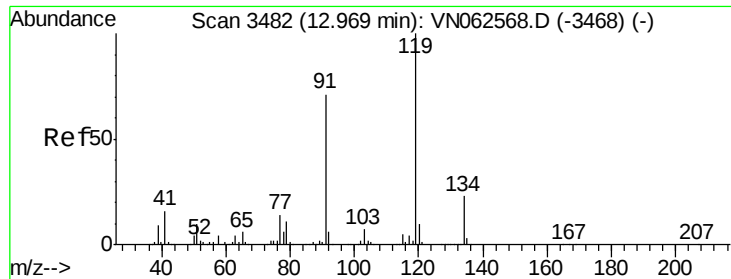
Tgt Ion: 91 Resp: 363689

Ion Ratio Lower Upper

91 100

126 31.2 15.4 46.4

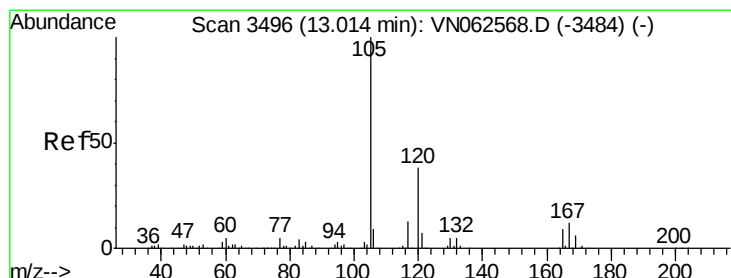
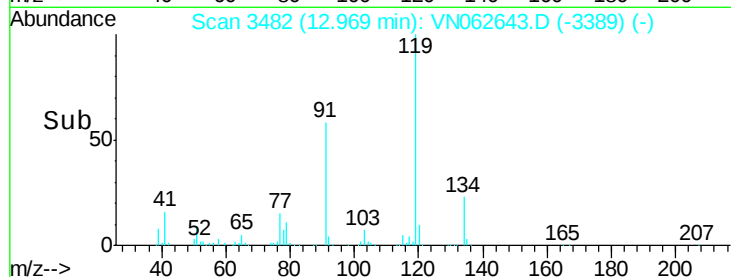
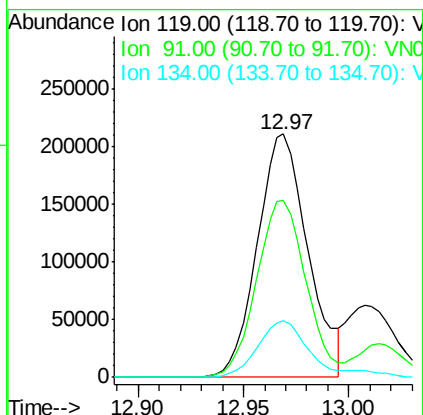
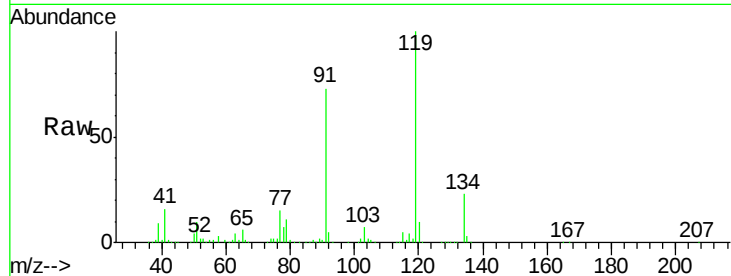




#83
tert-Butylbenzene
Concen: 54.480 ug/l
RT: 12.97 min Scan# 3482
Delta R.T. -0.00 min
Lab File: VN062643.D
Acq: 29 Jul 2020 10:00

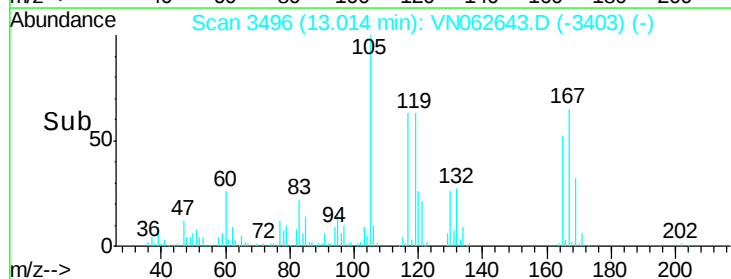
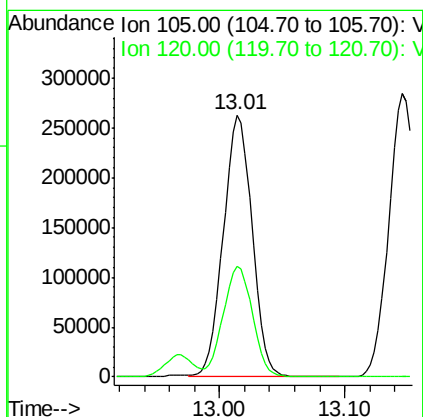
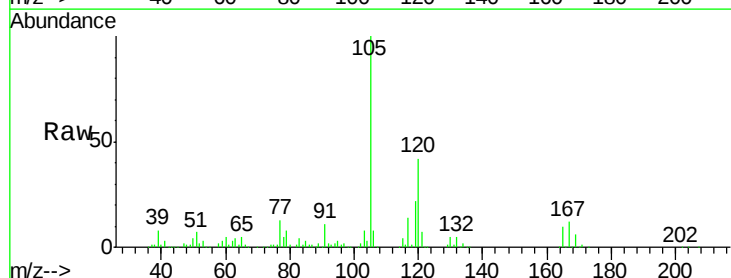
Instrument :
MSVOA_N
ClientSampled :

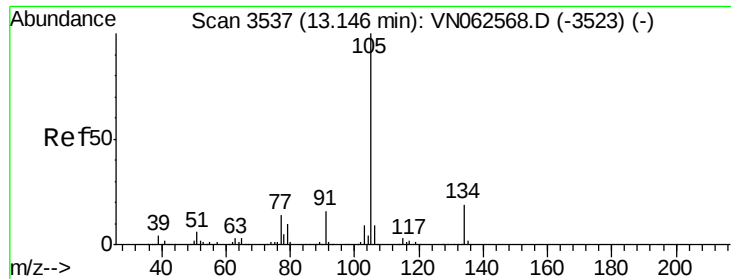
Tot Ion:119 Resp: 352561
Ion Ratio Lower Upper
119 100
91 71.5 34.6 103.8
134 22.8 11.5 34.4



#84
1,2,4-Trimethylbenzene
Concen: 54.630 ug/l
RT: 13.01 min Scan# 3496
Delta R.T. -0.00 min
Lab File: VN062643.D
Acq: 29 Jul 2020 10:00

Tgt Ion:105 Resp: 417668
Ion Ratio Lower Upper
105 100
120 43.1 22.1 66.3





#85

sec-Butylbenzene

Concen: 52.159 ug/l

RT: 13.15 min Scan# 3537

Delta R.T. -0.00 min

Lab File: VN062643.D

Acq: 29 Jul 2020 10:00

Instrument :

MSVOA_N

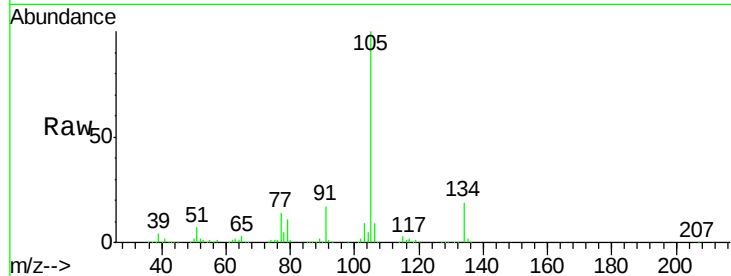
ClientSampleId :

Tot Ion:105 Resp: 451895

Ion Ratio Lower Upper

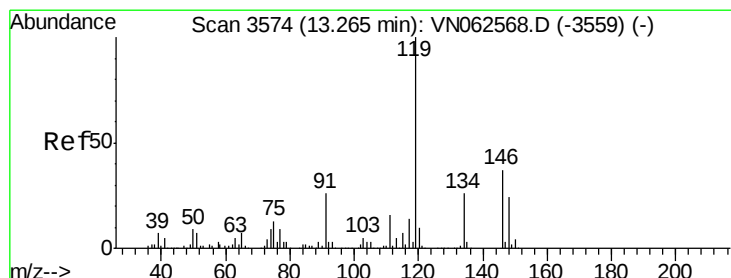
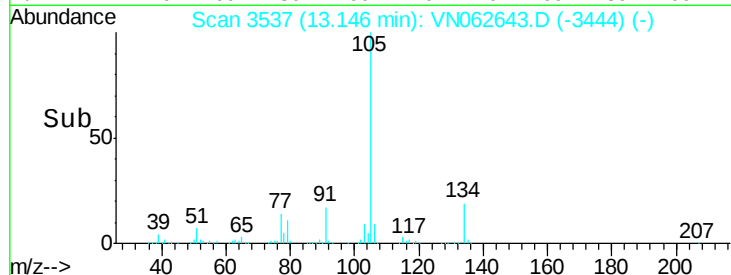
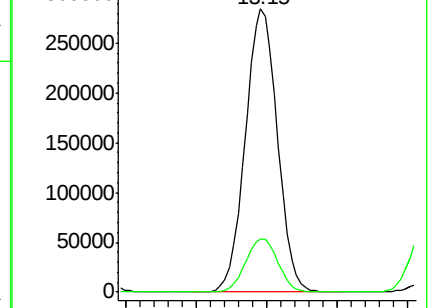
105 100

134 19.0 9.5 28.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 52.882 ug/l

RT: 13.26 min Scan# 3573

Delta R.T. -0.00 min

Lab File: VN062643.D

Acq: 29 Jul 2020 10:00

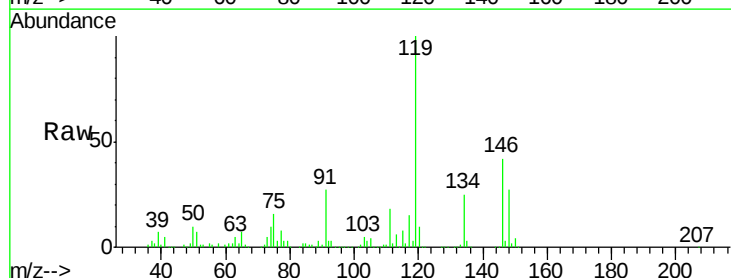
Tgt Ion:119 Resp: 394055

Ion Ratio Lower Upper

119 100

134 25.1 12.8 38.4

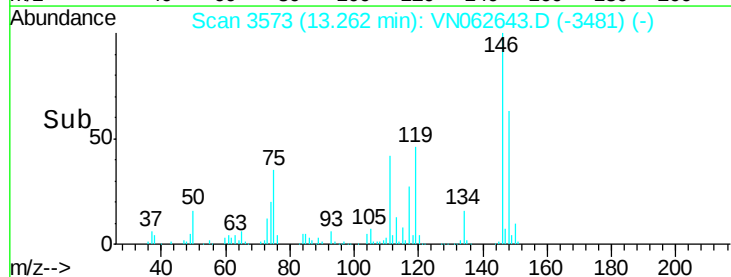
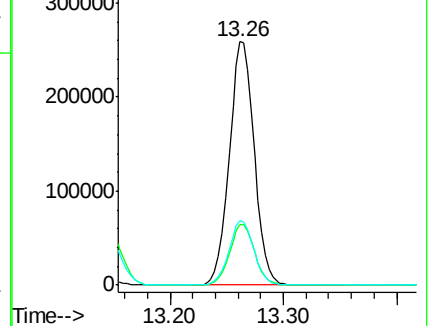
91 26.4 12.7 38.1

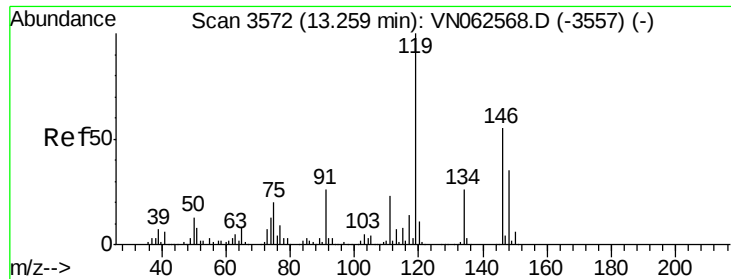


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

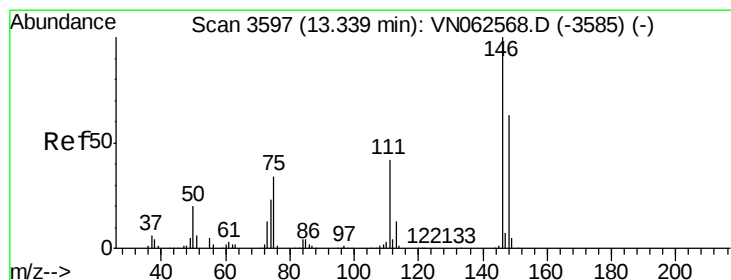
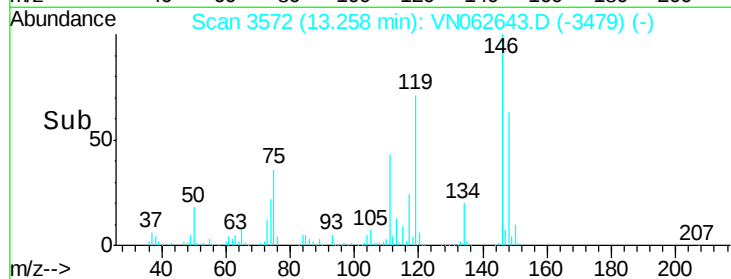
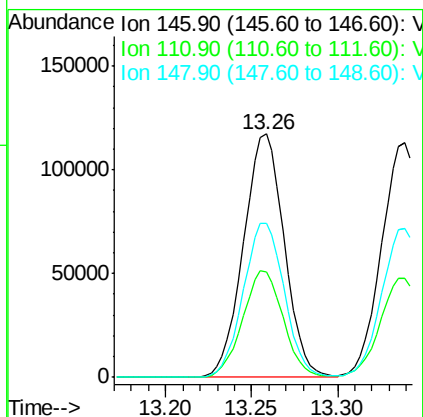
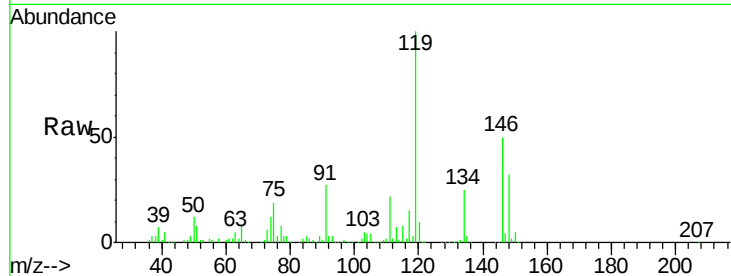




#87
 1,3-Dichlorobenzene
 Concen: 48.708 ug/l
 RT: 13.26 min Scan# 3572
 Delta R.T. -0.00 min
 Lab File: VN062643.D
 Acq: 29 Jul 2020 10:00

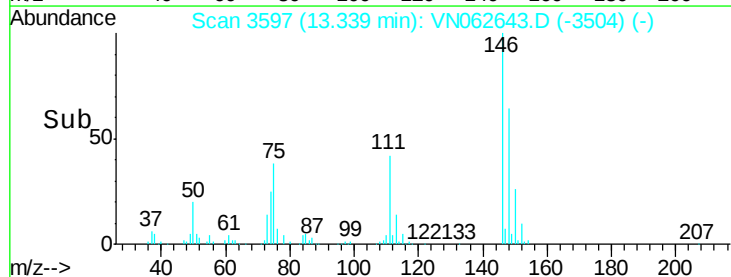
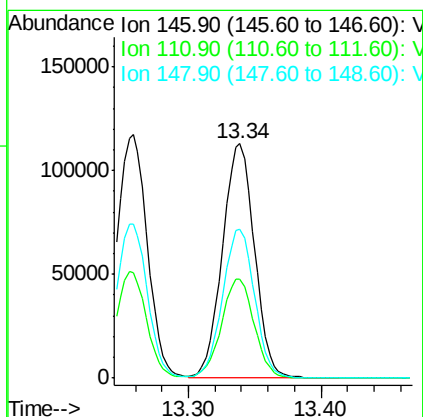
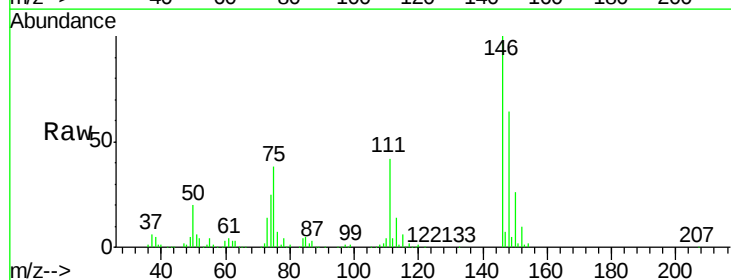
Instrument :
 MSVOA_N
 ClientSampleId :

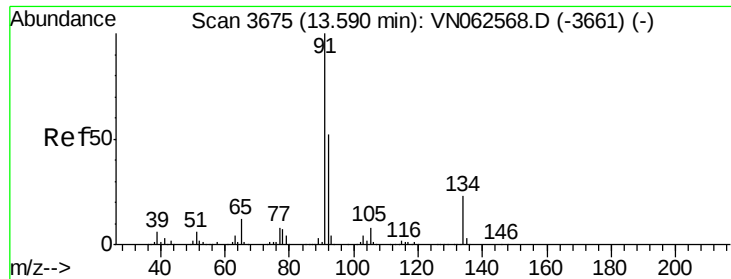
Tot Ion:146 Resp: 192992
 Ion Ratio Lower Upper
 146 100
 111 43.3 21.6 64.6
 148 63.7 31.8 95.4



#88
 1,4-Dichlorobenzene
 Concen: 48.471 ug/l
 RT: 13.34 min Scan# 3597
 Delta R.T. -0.00 min
 Lab File: VN062643.D
 Acq: 29 Jul 2020 10:00

Tgt Ion:146 Resp: 189060
 Ion Ratio Lower Upper
 146 100
 111 43.1 21.1 63.1
 148 63.9 31.6 94.8





#89

n-Butylbenzene

Concen: 53.066 ug/l

RT: 13.59 min Scan# 3675

Delta R.T. -0.00 min

Lab File: VN062643.D

Acq: 29 Jul 2020 10:00

Instrument :

MSVOA_N

ClientSampleId :

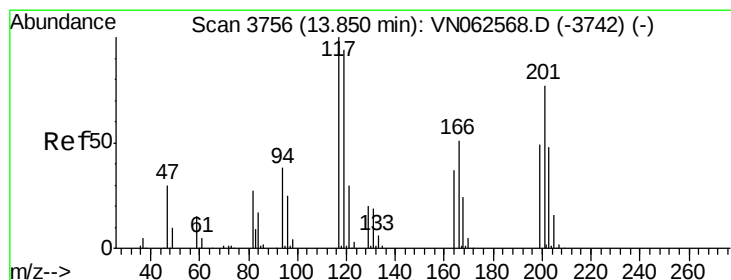
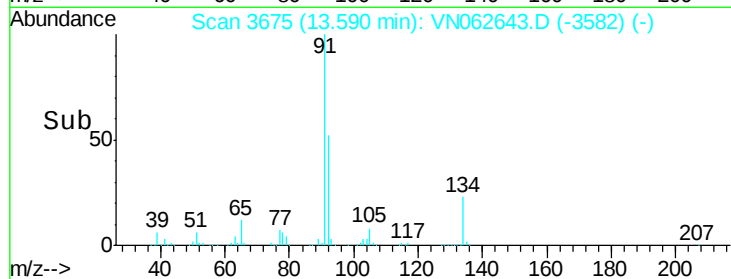
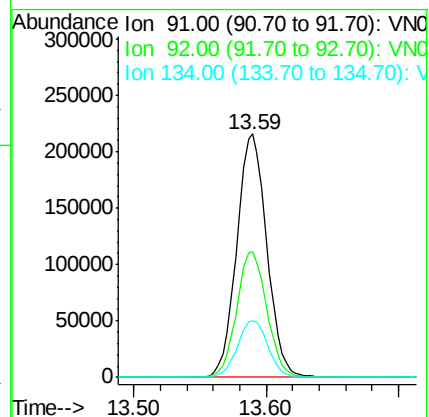
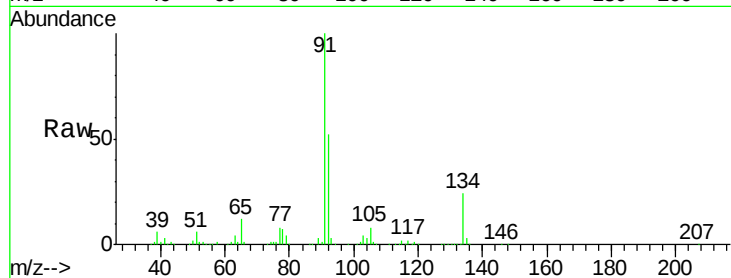
Tot Ion: 91 Resp: 339765

Ion Ratio Lower Upper

91 100

92 51.6 25.8 77.3

134 23.7 11.8 35.3



#90

Hexachloroethane

Concen: 43.875 ug/l

RT: 13.85 min Scan# 3755

Delta R.T. -0.00 min

Lab File: VN062643.D

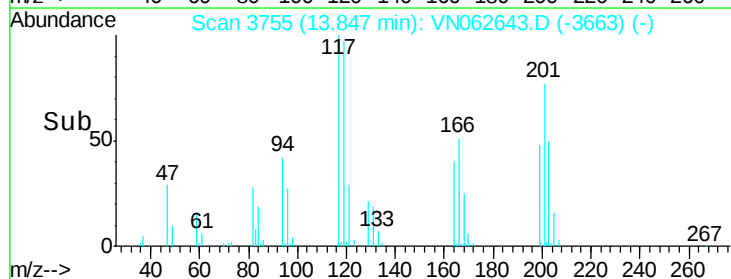
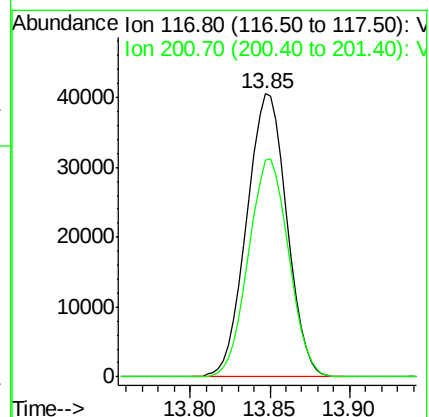
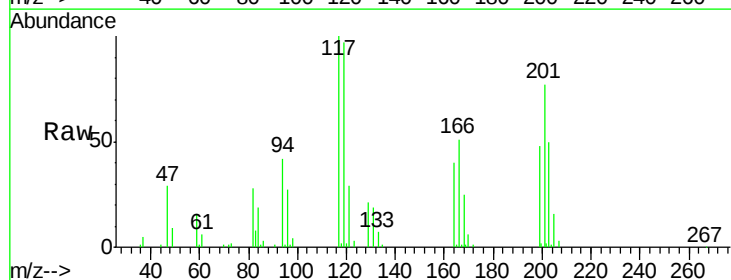
Acq: 29 Jul 2020 10:00

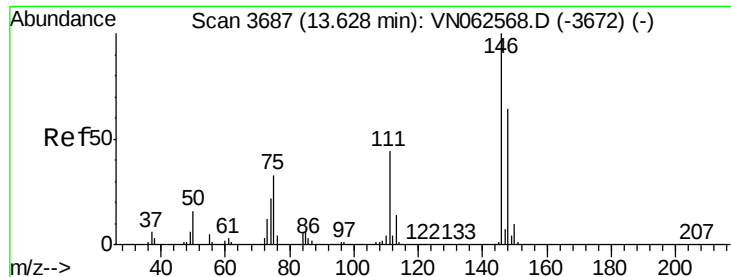
Tgt Ion: 117 Resp: 69598

Ion Ratio Lower Upper

117 100

201 77.0 39.2 117.6





#91

1,2-Dichlorobenzene

Concen: 47.954 ug/l

RT: 13.62 min Scan# 3686

Delta R.T. -0.00 min

Lab File: VN062643.D

Acq: 29 Jul 2020 10:00

Instrument :

MSVOA_N

ClientSampled :

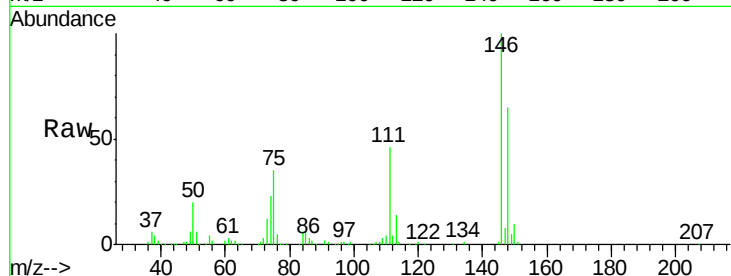
Tot Ion:146 Resp: 181682

Ion Ratio Lower Upper

146 100

111 45.5 21.9 65.8

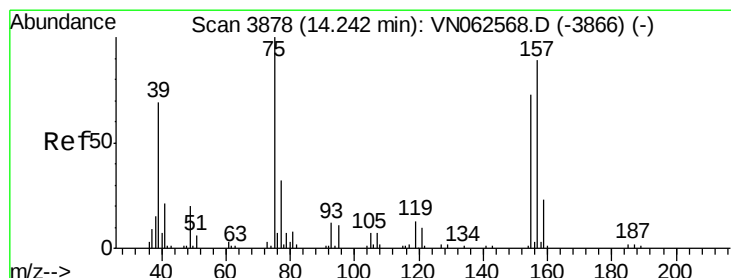
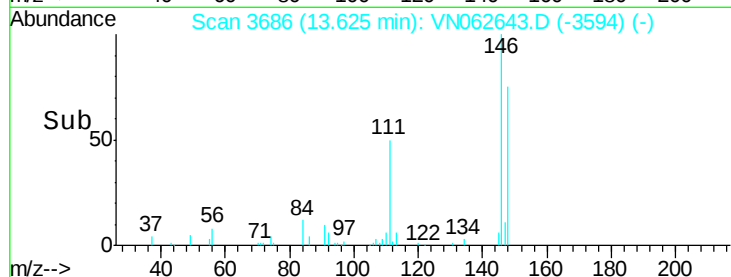
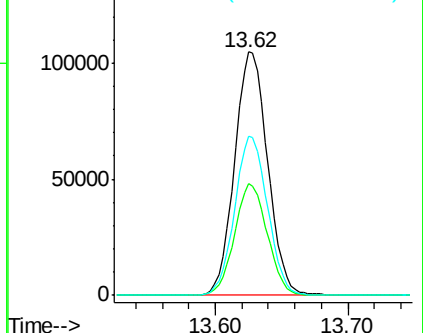
148 65.0 31.6 94.7



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 45.866 ug/l

RT: 14.24 min Scan# 3878

Delta R.T. -0.00 min

Lab File: VN062643.D

Acq: 29 Jul 2020 10:00

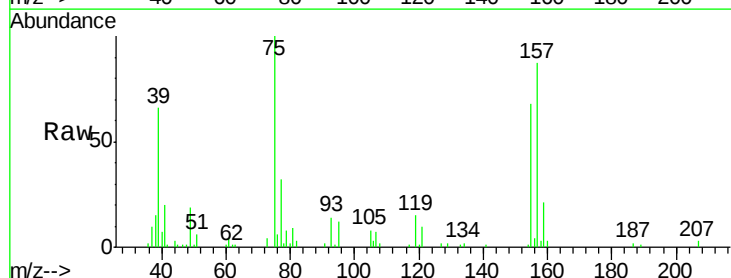
Tgt Ion: 75 Resp: 27188

Ion Ratio Lower Upper

75 100

155 67.4 35.9 107.5

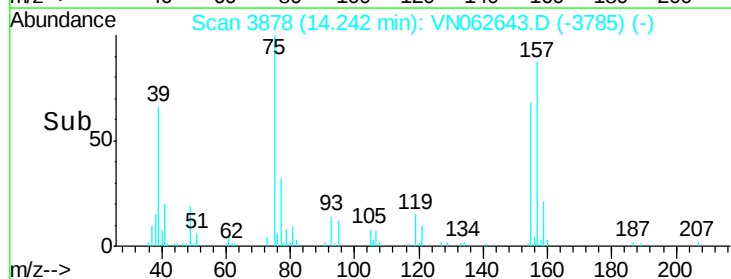
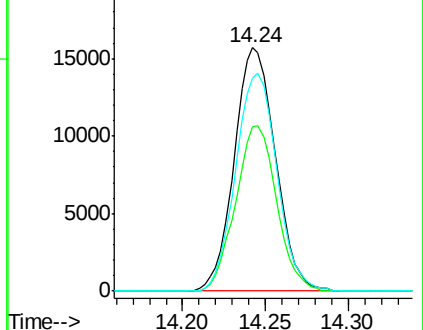
157 89.8 45.0 135.0

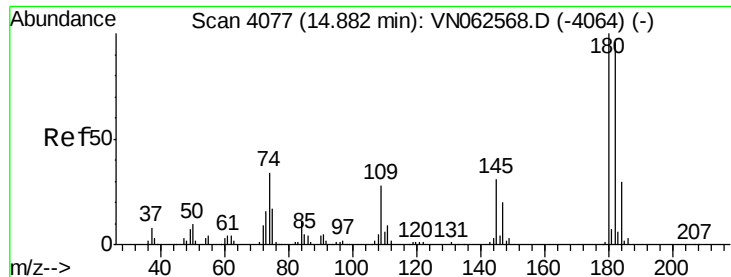


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

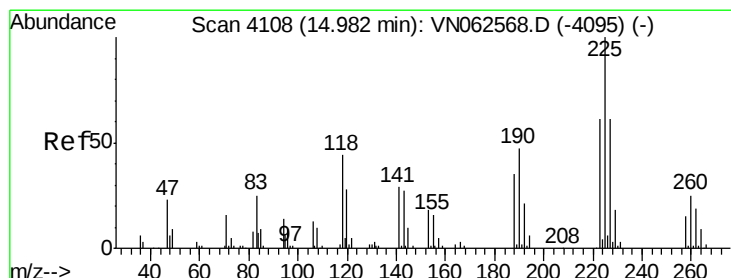
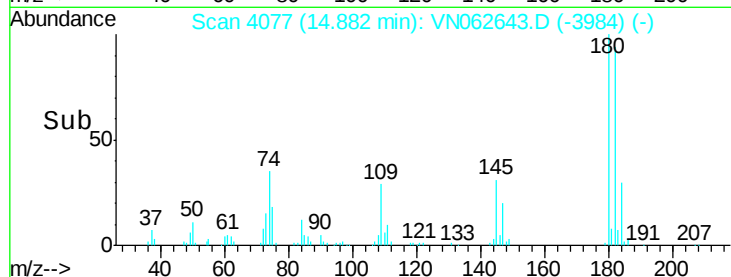
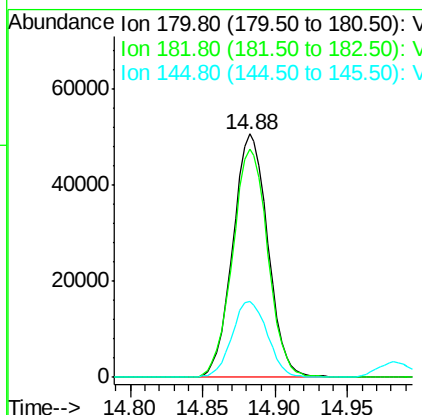
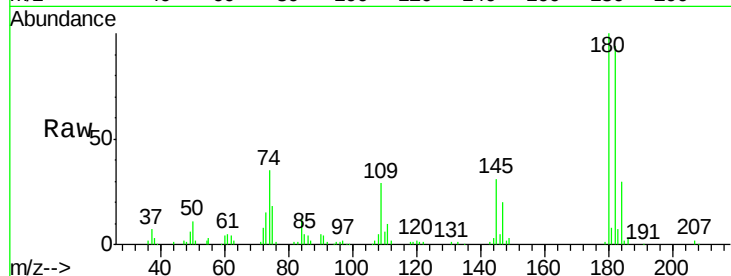




#93
 1,2,4-Trichlorobenzene
 Concen: 43.048 ug/l
 RT: 14.88 min Scan# 4077
 Delta R.T. 0.00 min
 Lab File: VN062643.D
 Acq: 29 Jul 2020 10:00

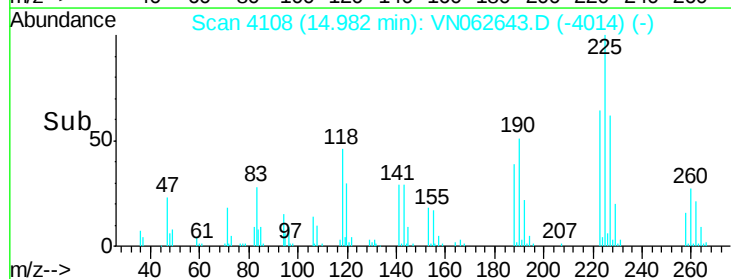
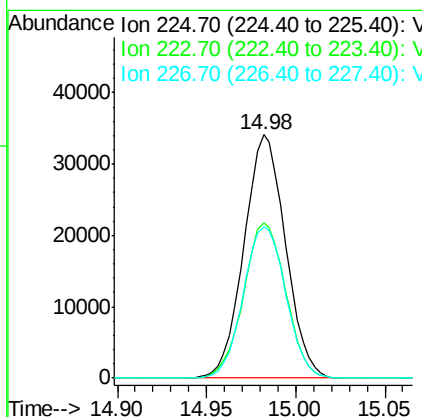
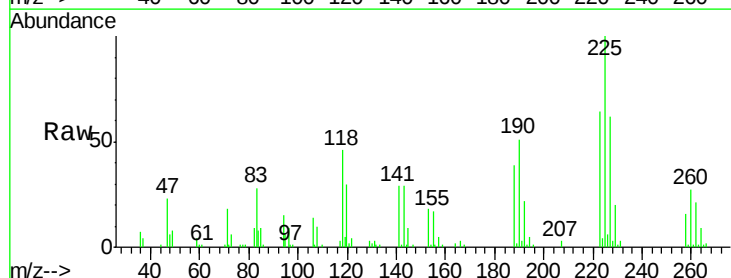
Instrument :
 MSVOA_N
 ClientSampleId :

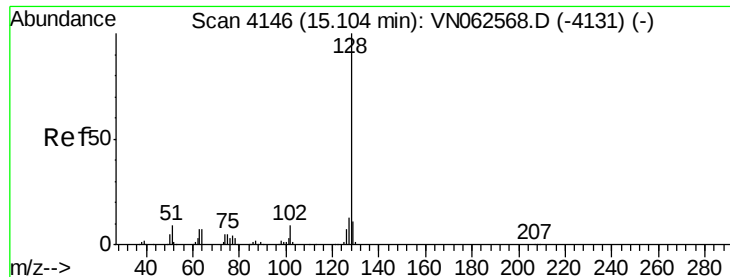
Tot Ion:180 Resp: 84837
 Ion Ratio Lower Upper
 180 100
 182 94.4 47.8 143.3
 145 31.6 15.3 45.9



#94
 Hexachlorobutadiene
 Concen: 54.352 ug/l
 RT: 14.98 min Scan# 4108
 Delta R.T. 0.00 min
 Lab File: VN062643.D
 Acq: 29 Jul 2020 10:00

Tgt Ion:225 Resp: 55669
 Ion Ratio Lower Upper
 225 100
 223 64.6 32.0 96.0
 227 63.6 31.1 93.2





#95

Naphthalene

Concen: 41.240 ug/l

RT: 15.10 min Scan# 4146

Delta R.T. 0.00 min

Lab File: VN062643.D

Acq: 29 Jul 2020 10:00

Instrument :

MSVOA_N

ClientSampleId :

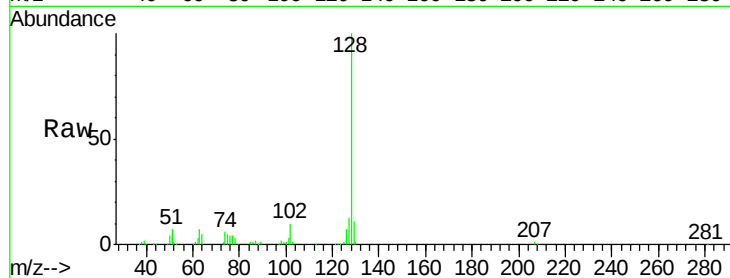
Tot Ion:128 Resp: 214155

Ion Ratio Lower Upper

128 100

127 13.1 10.4 15.6

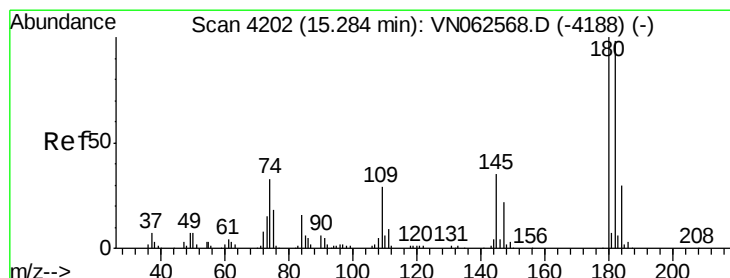
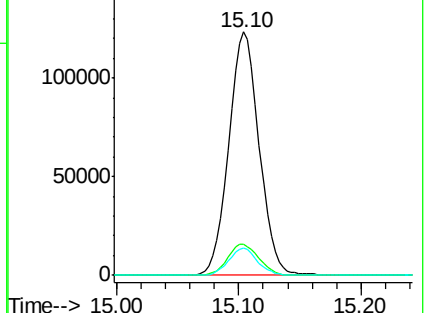
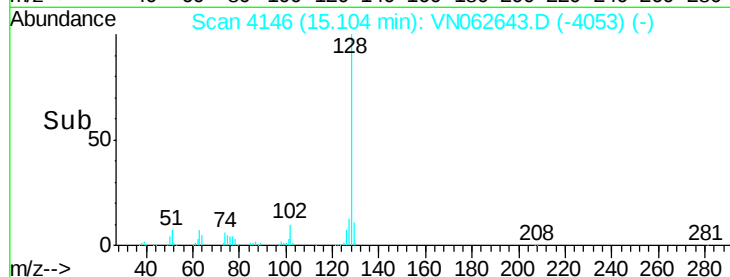
129 10.6 8.7 13.1



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: 47.229 ug/l

RT: 15.28 min Scan# 4202

Delta R.T. -0.00 min

Lab File: VN062643.D

Acq: 29 Jul 2020 10:00

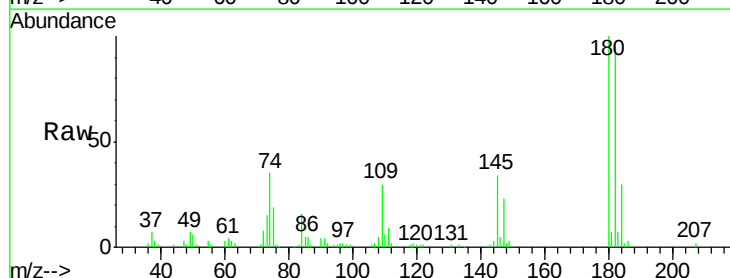
Tgt Ion:180 Resp: 84326

Ion Ratio Lower Upper

180 100

182 97.3 48.1 144.3

145 34.4 16.7 50.1



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

