

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV102920\
 Data File : VV019150.D
 Acq On : 29 Oct 2020 15:40
 Operator : SY/MD
 Sample : VSTD20066
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Oct 29 16:00:56 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM102920WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Oct 29 15:07:11 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	250841	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	243623	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	139450	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	382854	172.09	ug/L	0.00
7) Chloroethane-d5	1.58	69	293799	165.41	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.12	63	736011	176.55	ug/L	0.00
21) 2-Butanone-d5	3.90	46	505498	342.77	ug/L	0.00
24) Chloroform-d	4.37	84	740526	188.11	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.05	65	507563	190.98	ug/L	0.00
32) Benzene-d6	5.07	84	1373659	187.48	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.09	67	408583	174.84	ug/L	0.00
41) Toluene-d8	7.34	98	1323534	199.77	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.64	79	252647	205.15	ug/L	0.00
47) 2-Hexanone-d5	8.11	63	394279	388.18	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.24	84	550758	175.95	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.65	152	564010	192.63	ug/L	0.00

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.14	85	417273	209.463	ug/L	99
3) Chloromethane	1.25	50	374301	161.383	ug/L	98
5) Vinyl chloride	1.32	62	391964	169.399	ug/L	99
6) Bromomethane	1.53	94	257740	190.020	ug/L	98
8) Chloroethane	1.60	64	243145	168.178	ug/L	99
9) Trichlorofluoromethane	1.76	101	661822	207.774	ug/L	100
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	311514	188.106	ug/L	99
12) 1,1-Dichloroethene	2.13	96	306794	185.599	ug/L	99
13) Acetone	2.19	43	370112	354.360	ug/L	99
14) Carbon disulfide	2.31	76	988550	182.603	ug/L	100
15) Methyl Acetate	2.44	43	354348	169.849	ug/L	99
16) Methylene chloride	2.52	84	343756	179.892	ug/L	99
17) trans-1,2-Dichloroethene	2.78	96	338375	193.519	ug/L	98
18) Methyl tert-butyl Ether	2.78	73	1161889	204.324	ug/L	99
19) 1,1-Dichloroethane	3.21	63	618758	177.562	ug/L	99
20) cis-1,2-Dichloroethene	3.94	96	370536	197.119	ug/L	98
22) 2-Butanone	3.99	43	507633	366.670	ug/L	95
23) Bromochloromethane	4.27	128	196467	204.141	ug/L	99
25) Chloroform	4.40	83	666401	191.010	ug/L	99
27) 1,2-Dichloroethane	5.15	62	576204	198.691	ug/L	100
29) Cyclohexane	4.70	56	541673	191.397	ug/L	100
30) 1,1,1-Trichloroethane	4.63	97	639484	208.852	ug/L	100
31) Carbon tetrachloride	4.85	117	573180	213.310	ug/L	100
33) Benzene	5.12	78	1370626	187.829	ug/L	100
34) Trichloroethene	5.94	95	367490	195.824	ug/L	99
35) Methylcyclohexane	6.15	83	515575	201.325	ug/L	99
37) 1,2-Dichloropropane	6.20	63	343915	173.590	ug/L	100
38) Bromodichloromethane	6.53	83	514865	199.653	ug/L	100
39) cis-1,3-Dichloropropene	7.05	75	606851	203.123	ug/L	99
40) 4-Methyl-2-pentanone	7.24	43	998869	374.653	ug/L	99

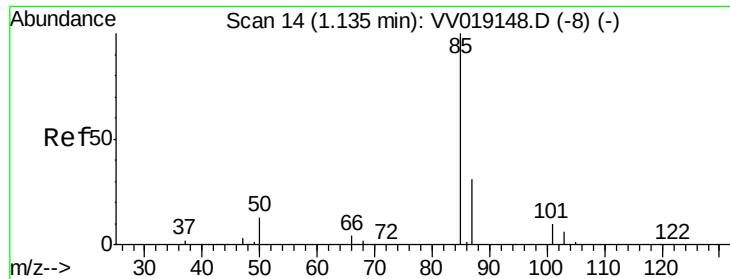
Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV102920\
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 Quant Title : VOC Analysis
 QLast Update : Thu Oct 29 15:07:11 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.41	91	1527476	201.008	ug/L	99
44) trans-1,3-Dichloropropene	7.67	75	629900	211.491	ug/L	99
45) 1,1,2-Trichloroethane	7.86	97	340596	189.993	ug/L	99
46) Tetrachloroethene	8.00	164	317914	216.239	ug/L	99
48) 2-Hexanone	8.16	43	780370	379.294	ug/L	99
49) Dibromochloromethane	8.27	129	431768	217.367	ug/L	99
50) 1,2-Dibromoethane	8.37	107	371635	198.685	ug/L	100
51) Chlorobenzene	8.90	112	980820	200.262	ug/L	99
52) Ethylbenzene	9.03	91	1705940	207.492	ug/L	100
53) m,p-Xylene	9.16	106	644501	212.593	ug/L	99
54) o-xylene	9.56	106	626242	214.591	ug/L	100
55) Styrene	9.58	104	1123593	217.170	ug/L	99
56) Isopropylbenzene	9.95	105	1678100	217.595	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.26	83	524598	180.957	ug/L	99
59) 1,2,3-Trichloropropane	10.30	75	439438	186.844	ug/L	99
61) Bromoform	9.75	173	342072	216.435	ug/L	99
62) 1,3-Dichlorobenzene	11.20	146	840047	200.571	ug/L	99
63) 1,4-Dichlorobenzene	11.29	146	852411	194.716	ug/L	98
65) 1,2-Dichlorobenzene	11.67	146	834803	197.844	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.45	75	147604	200.975	ug/L	99
67) 1,3,5-Trichlorobenzene	12.67	180	619256	211.959	ug/L	99
68) 1,2,4-trichlorobenzene	13.28	180	609852	221.730	ug/L	99
69) Naphthalene	13.52	128	1869886	226.153	ug/L	100
70) 1,2,3-Trichlorobenzene	13.77	180	593043	214.531	ug/L	100

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



#2

Dichlorodifluoromethane

Concen: 209.463 ug/L

RT: 1.14 min Scan# 14

Delta R.T. 0.00 min

Lab File: VV019150.D

Acq: 29 Oct 2020 15:40

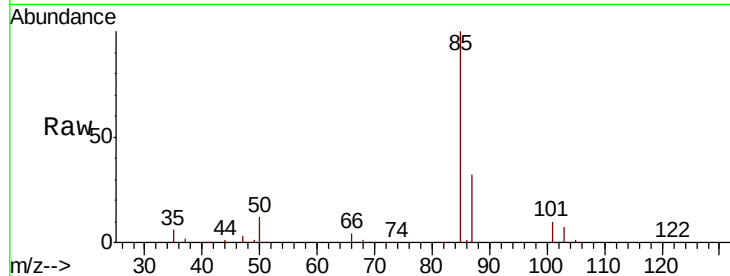
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 85 Resp: 417273

Ion Ratio Lower Upper

85 100

87 32.3 25.3 37.9



Abundance Ion 85.00 (84.70 to 85.70): VV019150.D (-1) (-)

Ion 87.00 (86.70 to 87.70): VV019150.D (-1) (-)

1.14

400000

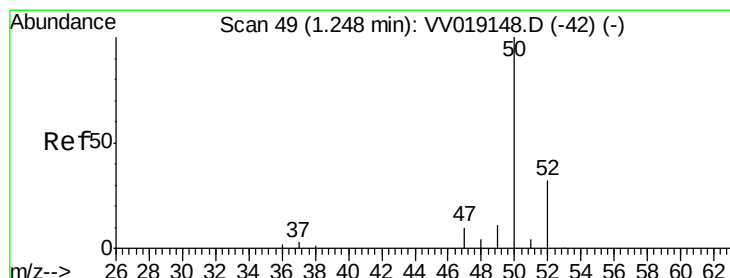
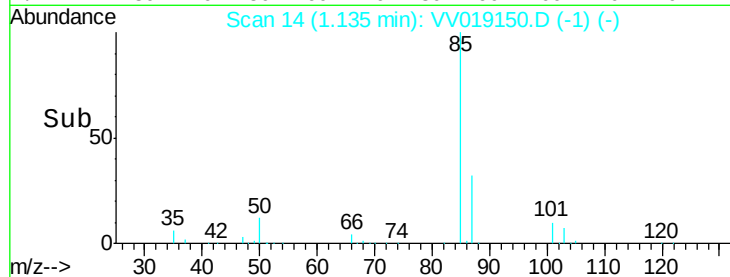
300000

200000

100000

0

Time-->



#3

Chloromethane

Concen: 161.383 ug/L

RT: 1.25 min Scan# 49

Delta R.T. 0.00 min

Lab File: VV019150.D

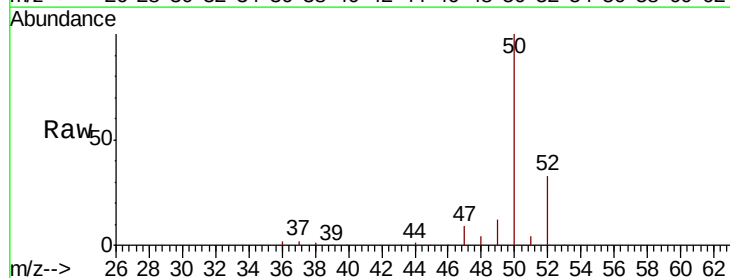
Acq: 29 Oct 2020 15:40

Tgt Ion: 50 Resp: 374301

Ion Ratio Lower Upper

50 100

52 32.9 22.1 41.1



Abundance Ion 50.00 (49.70 to 50.70): VV019150.D (-1) (-)

Ion 52.00 (51.70 to 52.70): VV019150.D (-1) (-)

1.25

400000

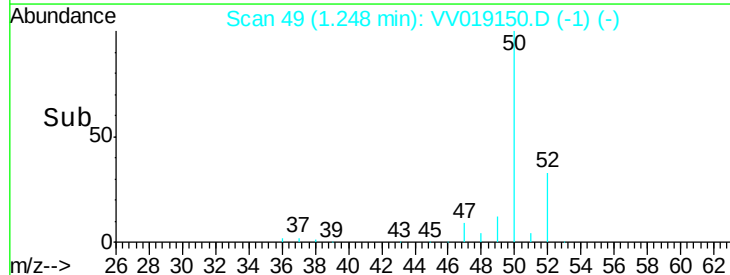
300000

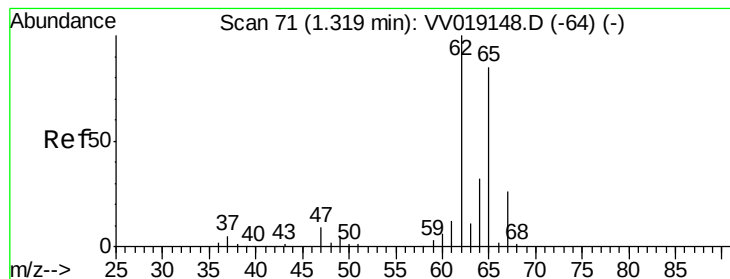
200000

100000

0

Time-->





#5

Vinyl chloride

Concen: 169.399 ug/L

RT: 1.32 min Scan# 71

Delta R.T. 0.00 min

Lab File: VV019150.D

Acq: 29 Oct 2020 15:40

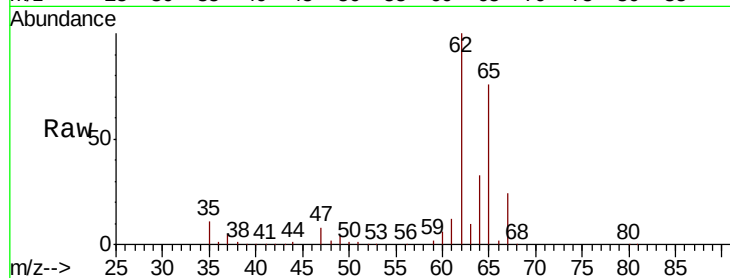
Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 62 Resp: 391964

Ion Ratio Lower Upper

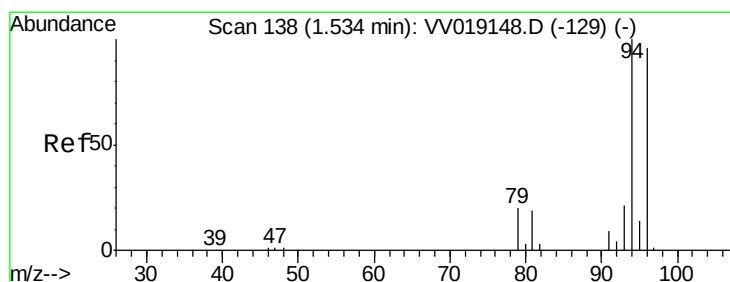
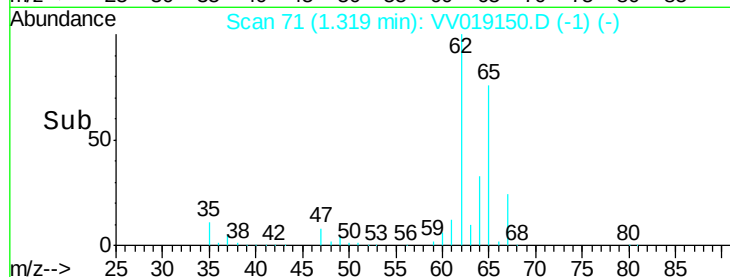
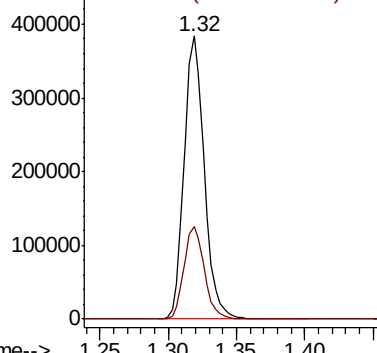
62 100

64 32.9 22.7 42.3



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.00 (63.70 to 64.70): VV0



#6

Bromomethane

Concen: 190.020 ug/L

RT: 1.53 min Scan# 137

Delta R.T. -0.00 min

Lab File: VV019150.D

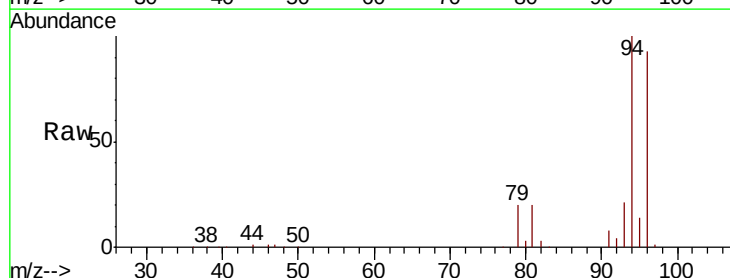
Acq: 29 Oct 2020 15:40

Tgt Ion: 94 Resp: 257740

Ion Ratio Lower Upper

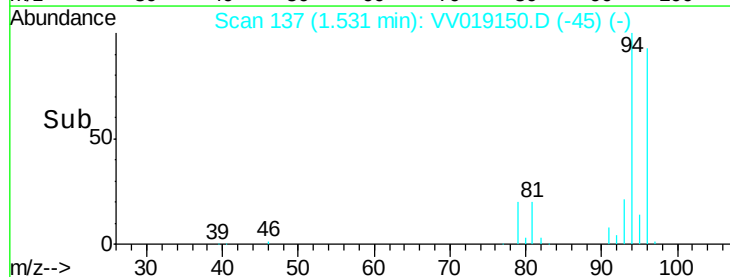
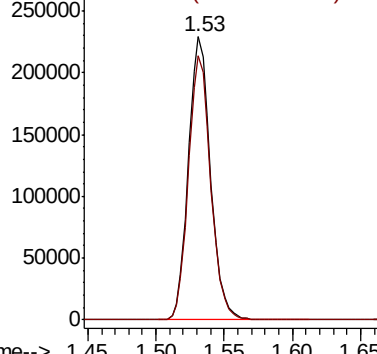
94 100

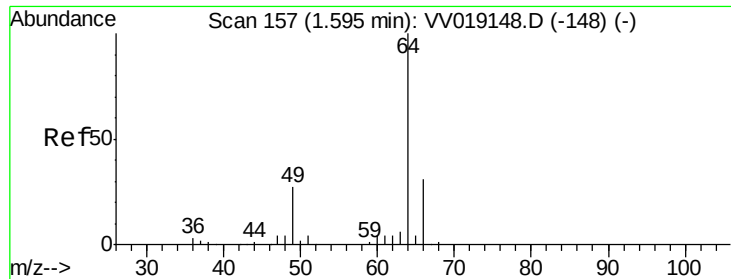
96 93.5 67.0 124.4



Abundance Ion 94.00 (93.70 to 94.70): VV0

Ion 96.00 (95.70 to 96.70): VV0

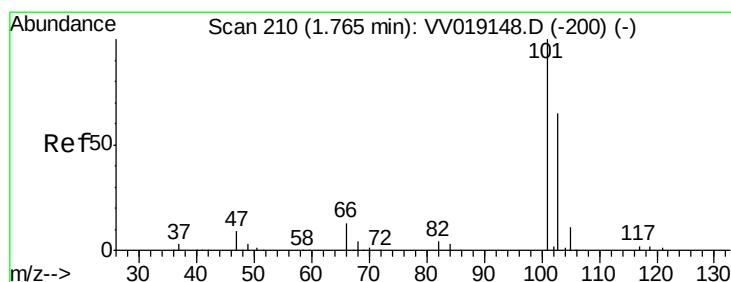
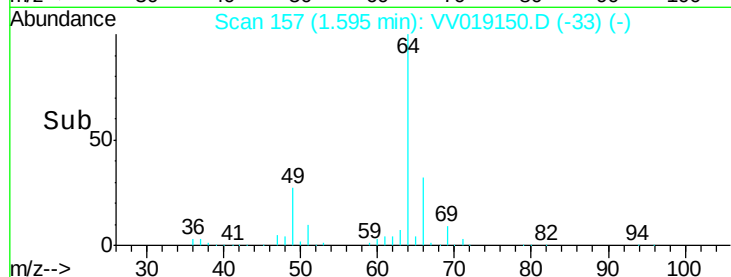
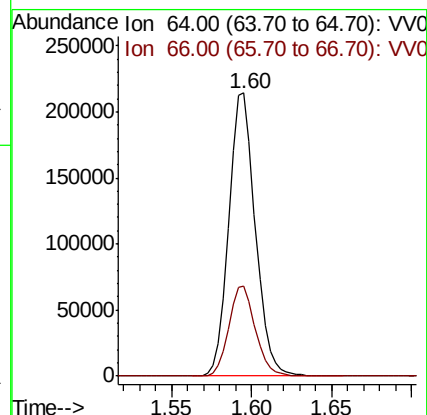
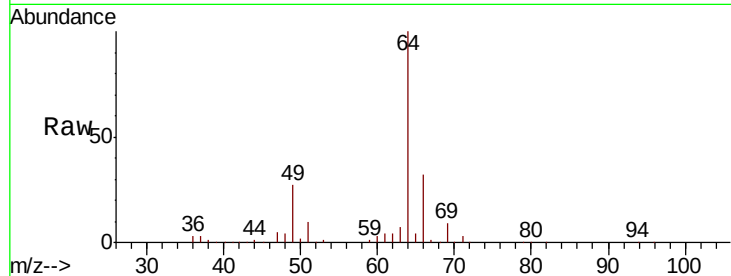




#8
Chloroethane
Concen: 168.178 ug/L
RT: 1.60 min Scan# 157
Delta R.T. 0.00 min
Lab File: VV019150.D
Acq: 29 Oct 2020 15:40

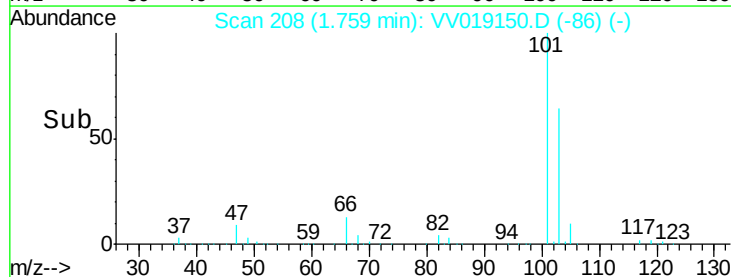
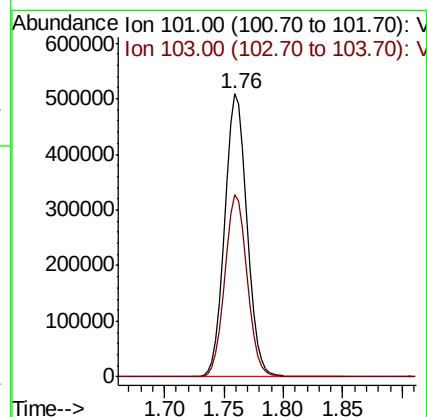
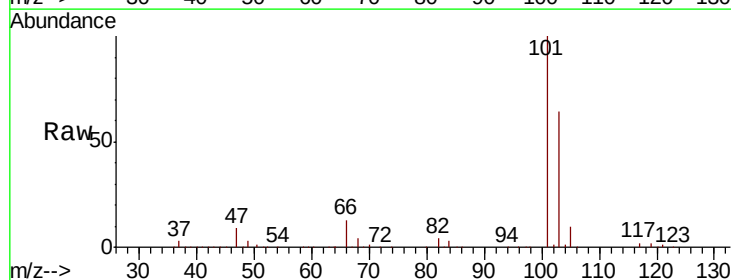
Instrument :
MSVOA_V
ClientSampleId :

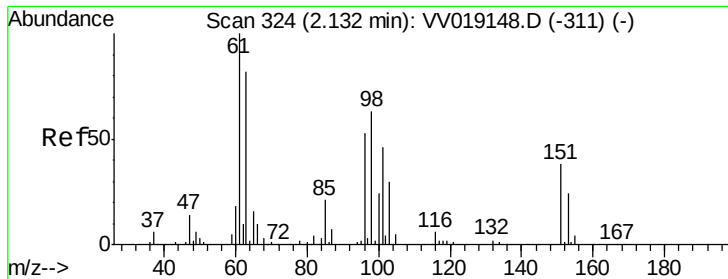
Tot Ion: 64 Resp: 243145
Ion Ratio Lower Upper
64 100
66 31.9 22.0 40.8



#9
Trichlorofluoromethane
Concen: 207.774 ug/L
RT: 1.76 min Scan# 208
Delta R.T. -0.01 min
Lab File: VV019150.D
Acq: 29 Oct 2020 15:40

Tgt Ion: 101 Resp: 661822
Ion Ratio Lower Upper
101 100
103 64.6 51.9 77.9





#10

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 188.106 ug/L

RT: 2.13 min Scan# 323

Delta R.T. -0.00 min

Lab File: VV019150.D

Acq: 29 Oct 2020 15:40

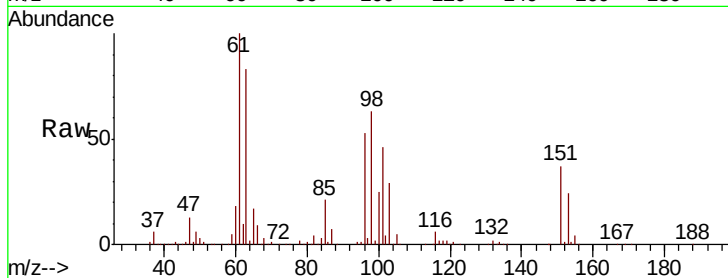
Instrument :

MSVOA_V

ClientSampleId :

Tot Ion:101 Resp: 311514

Ion	Ratio	Lower	Upper
101	100		
85	44.9	36.1	54.1
151	80.2	65.0	97.4

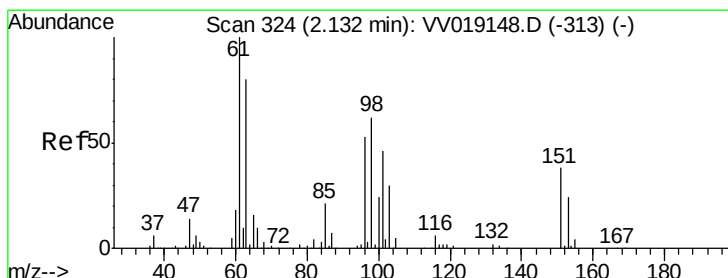
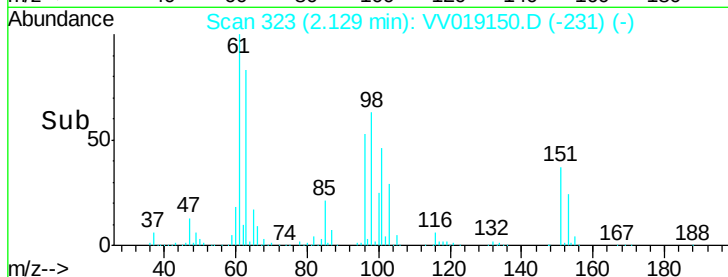
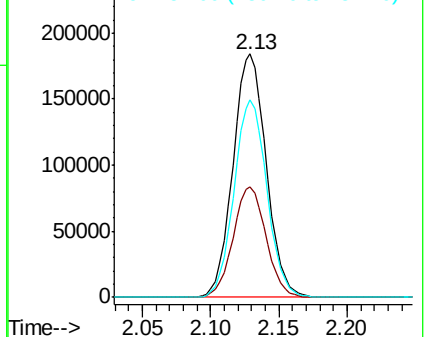


Abundance

Ion 101.00 (100.70 to 101.70): VV019150.D (-231) (-)

Ion 85.00 (84.70 to 85.70): VV019150.D (-231) (-)

Ion 151.00 (150.70 to 151.70): VV019150.D (-231) (-)



#12

1,1-Dichloroethene

Concen: 185.599 ug/L

RT: 2.13 min Scan# 323

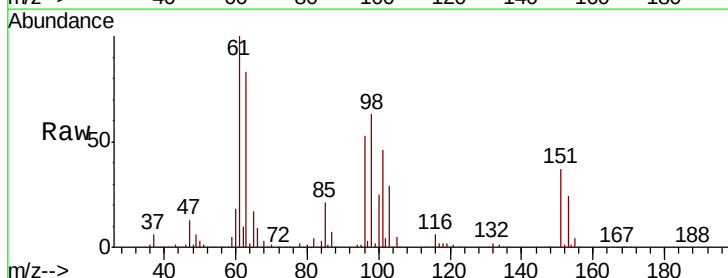
Delta R.T. -0.00 min

Lab File: VV019150.D

Acq: 29 Oct 2020 15:40

Tgt Ion: 96 Resp: 306794

Ion	Ratio	Lower	Upper
96	100		
61	190.3	132.6	246.2
63	157.8	108.4	201.4

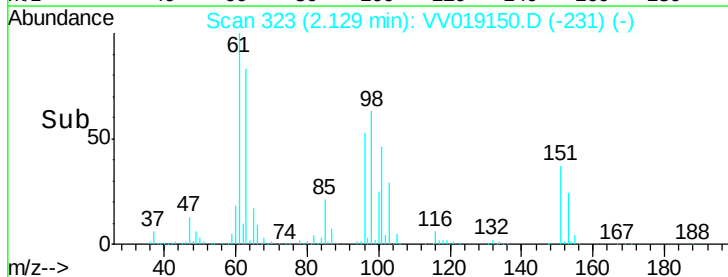
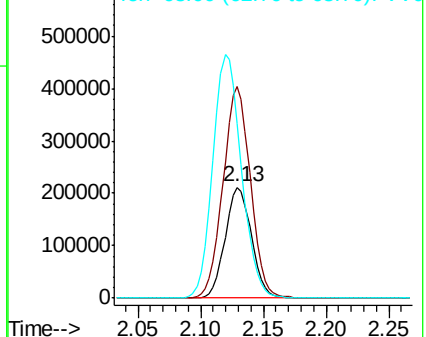


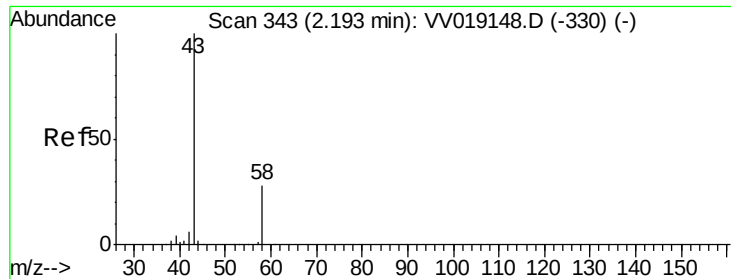
Abundance

Ion 96.00 (95.70 to 96.70): VV019150.D (-231) (-)

Ion 61.00 (60.70 to 61.70): VV019150.D (-231) (-)

Ion 63.00 (62.70 to 63.70): VV019150.D (-231) (-)





#13

Acetone

Concen: 354.360 ug/L

RT: 2.19 min Scan# 342

Delta R.T. -0.00 min

Lab File: VV019150.D

Acq: 29 Oct 2020 15:40

Instrument :

MSVOA_V

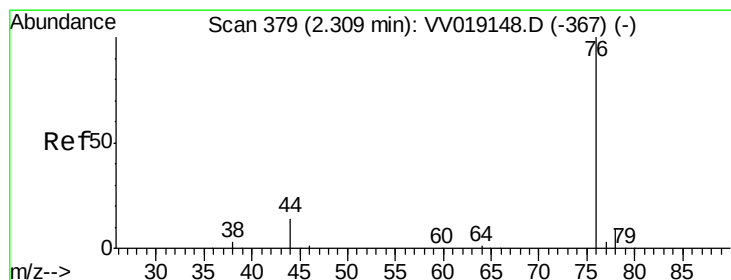
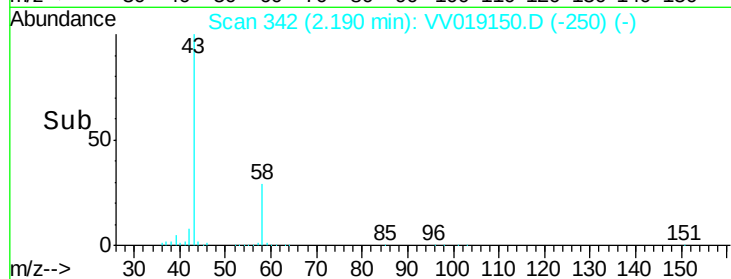
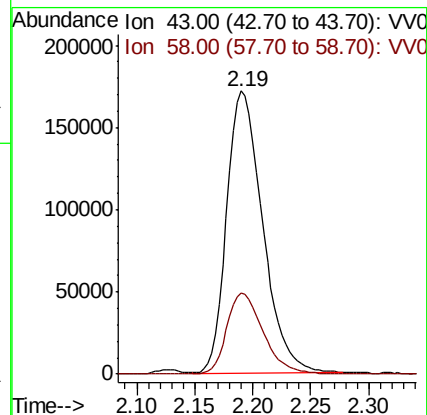
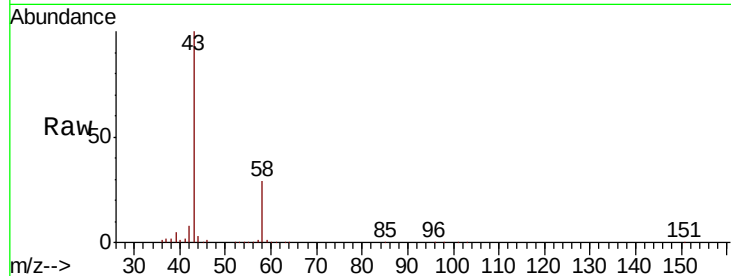
ClientSampleId :

Tot Ion: 43 Resp: 370112

Ion Ratio Lower Upper

43 100

58 29.2 0.0 59.4



#14

Carbon disulfide

Concen: 182.603 ug/L

RT: 2.31 min Scan# 378

Delta R.T. -0.00 min

Lab File: VV019150.D

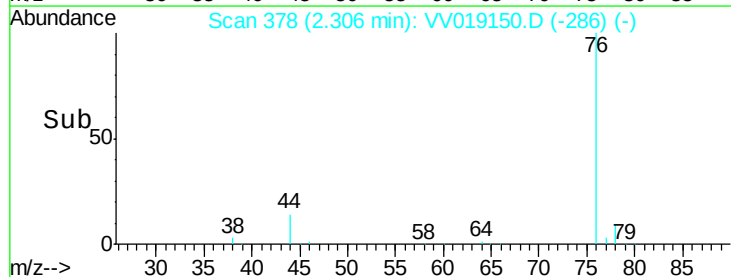
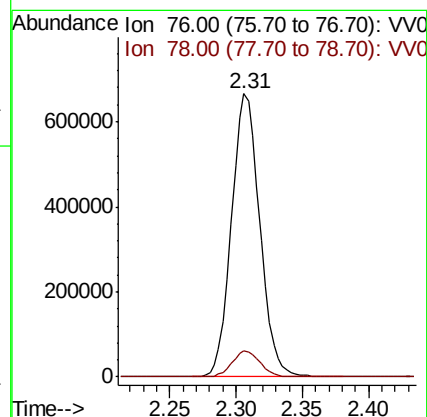
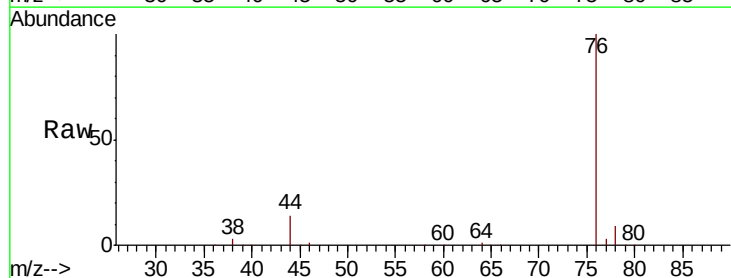
Acq: 29 Oct 2020 15:40

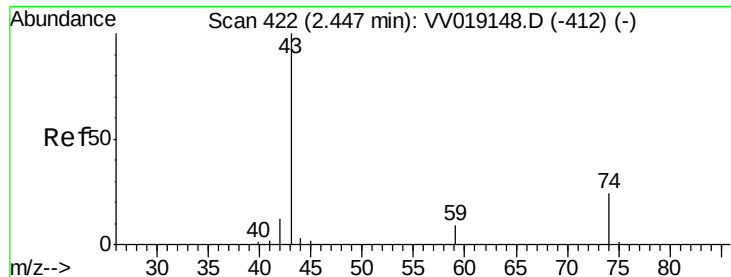
Tgt Ion: 76 Resp: 988550

Ion Ratio Lower Upper

76 100

78 9.0 7.4 11.0





#15

Methvl Acetate

Concen: 169.849 ug/L

RT: 2.44 min Scan# 421

Delta R.T. -0.00 min

Lab File: VV019150.D

Acq: 29 Oct 2020 15:40

Instrument :

MSVOA_V

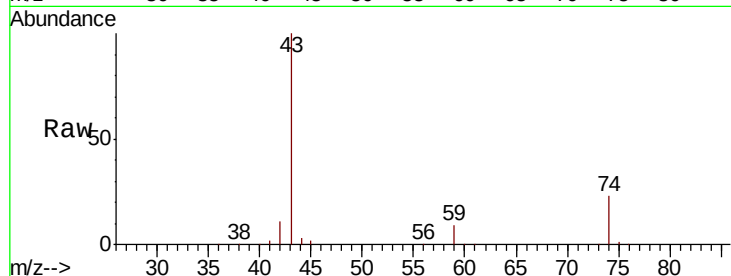
ClientSampleId :

Tot Ion: 43 Resp: 354348

Ion Ratio Lower Upper

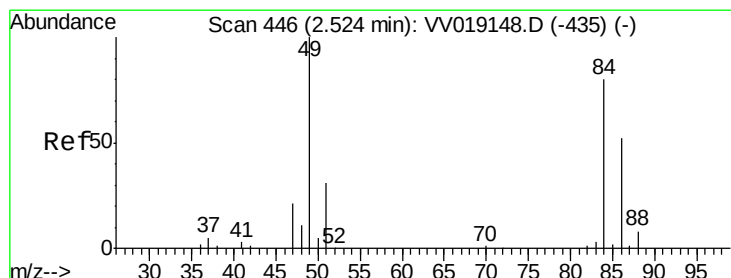
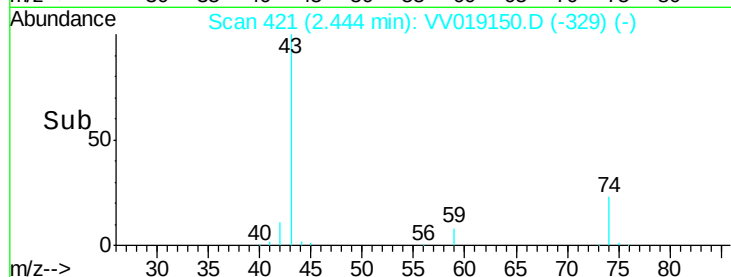
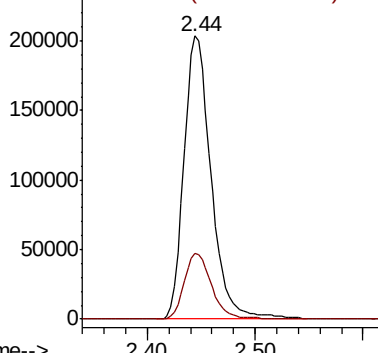
43 100

74 23.6 18.4 27.6



Abundance Ion 43.00 (42.70 to 43.70): VV0

Ion 74.00 (73.70 to 74.70): VV0



#16

Methylene chloride

Concen: 179.892 ug/L

RT: 2.52 min Scan# 445

Delta R.T. -0.00 min

Lab File: VV019150.D

Acq: 29 Oct 2020 15:40

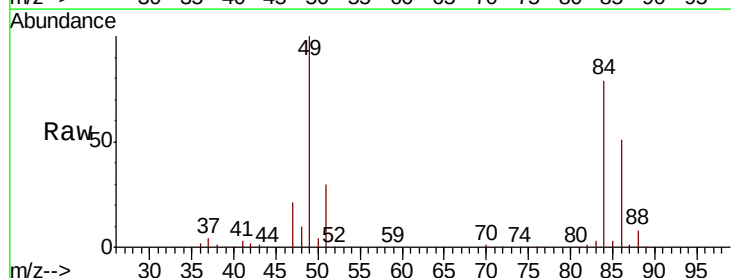
Tgt Ion: 84 Resp: 343756

Ion Ratio Lower Upper

84 100

86 64.1 46.0 85.4

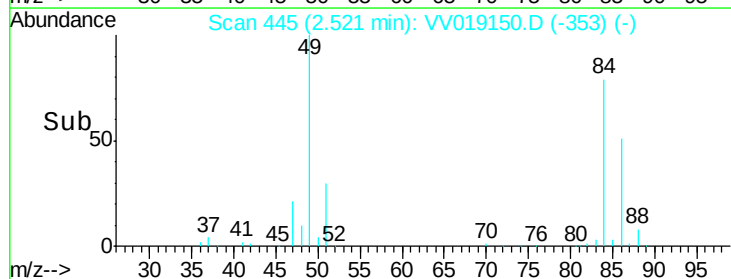
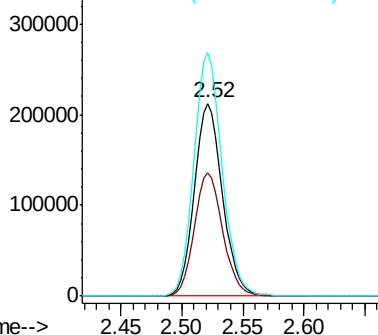
49 126.4 87.8 163.2

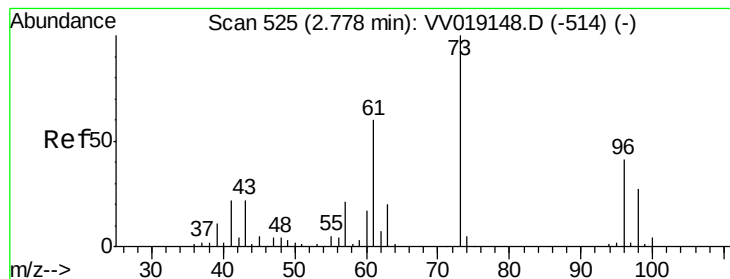


Abundance Ion 84.00 (83.70 to 84.70): VV0

Ion 86.00 (85.70 to 86.70): VV0

Ion 49.00 (48.70 to 49.70): VV0





#17

trans-1,2-Dichloroethene

Concen: 193.519 ug/L

RT: 2.78 min Scan# 524

Delta R.T. -0.00 min

Lab File: VV019150.D

Acq: 29 Oct 2020 15:40

Instrument :
MSVOA_V
ClientSampleId :

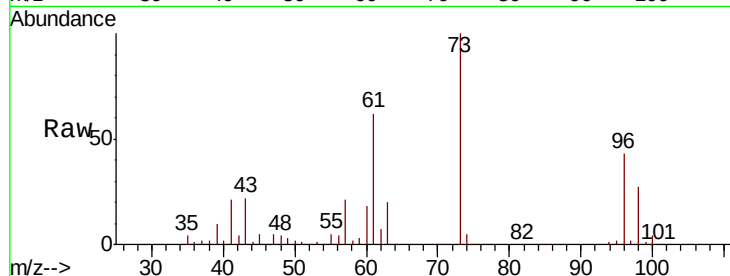
Tot Ion: 96 Resp: 338375

Ion Ratio Lower Upper

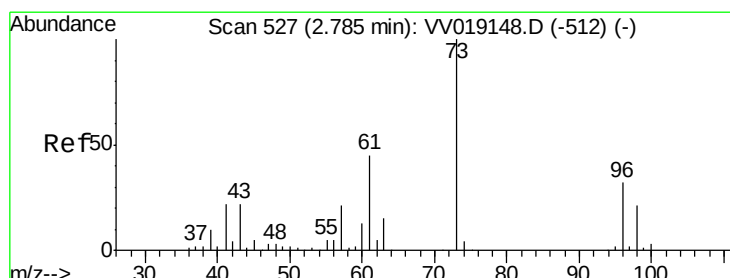
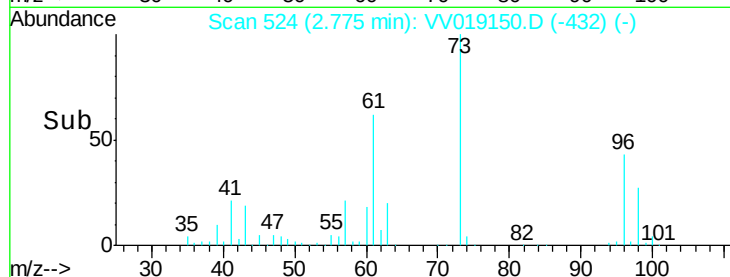
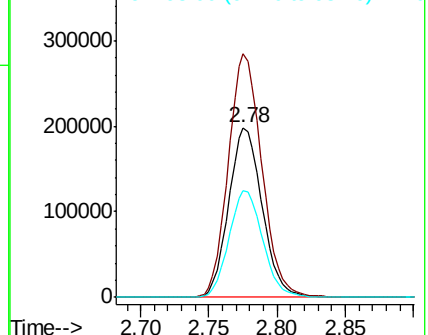
96 100

61 143.7 102.4 190.2

98 62.9 45.9 85.3



Abundance Ion 96.00 (95.70 to 96.70): VV0
Ion 61.00 (60.70 to 61.70): VV0
Ion 98.00 (97.70 to 98.70): VV0



#18

Methyl tert-butyl Ether

Concen: 204.324 ug/L

RT: 2.78 min Scan# 527

Delta R.T. 0.00 min

Lab File: VV019150.D

Acq: 29 Oct 2020 15:40

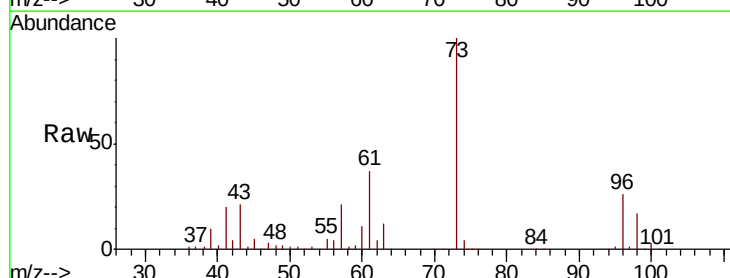
Tgt Ion: 73 Resp: 1161889

Ion Ratio Lower Upper

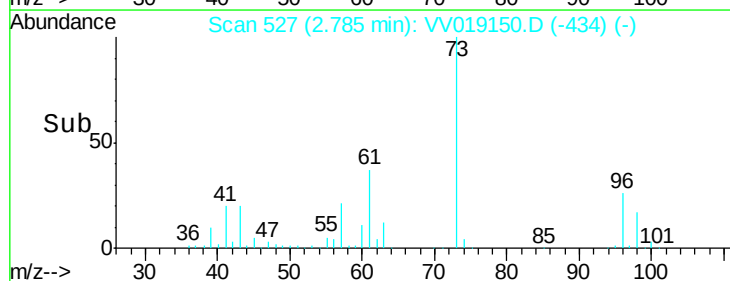
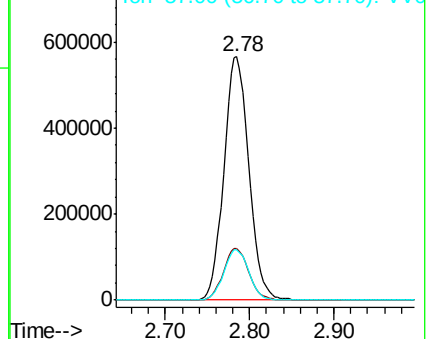
73 100

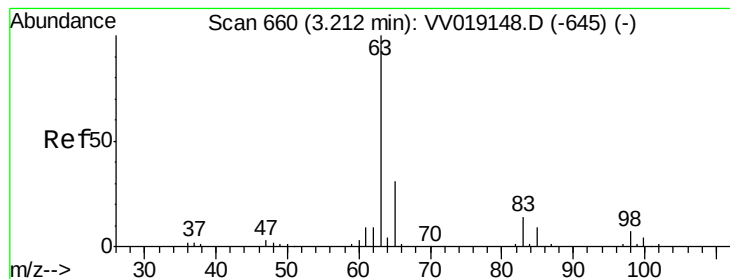
43 21.4 17.9 26.9

57 20.9 17.1 25.7



Abundance Ion 73.00 (72.70 to 73.70): VV0
Ion 43.00 (42.70 to 43.70): VV0
Ion 57.00 (56.70 to 57.70): VV0





#19

1,1-Dichloroethane

Concen: 177.562 ug/L

RT: 3.21 min Scan# 659

Delta R.T. -0.00 min

Lab File: VV019150.D

Acq: 29 Oct 2020 15:40

Instrument :

MSVOA_V

ClientSampleId :

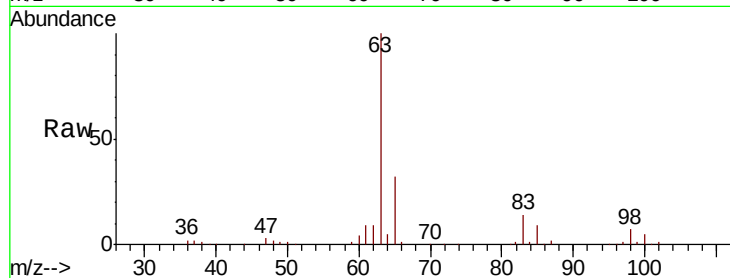
Tot Ion: 63 Resp: 618758

Ion Ratio Lower Upper

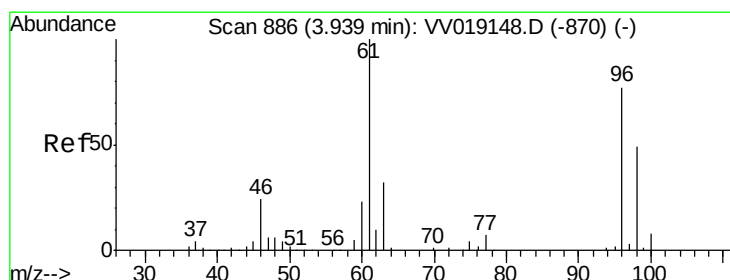
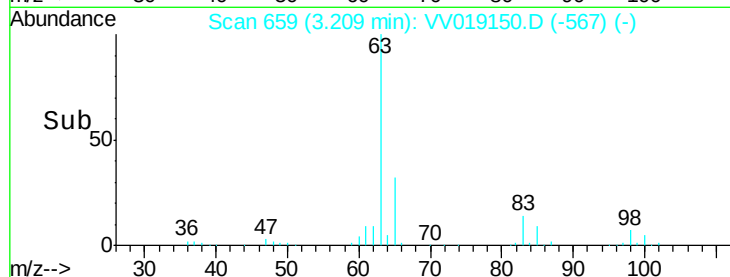
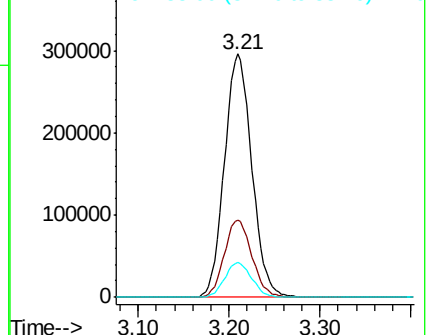
63 100

65 32.0 22.0 40.8

83 14.3 9.6 17.8



Abundance Ion 63.00 (62.70 to 63.70): VV0
Ion 65.00 (64.70 to 65.70): VV0
Ion 83.00 (82.70 to 83.70): VV0



#20

cis-1,2-Dichloroethene

Concen: 197.119 ug/L

RT: 3.94 min Scan# 885

Delta R.T. -0.00 min

Lab File: VV019150.D

Acq: 29 Oct 2020 15:40

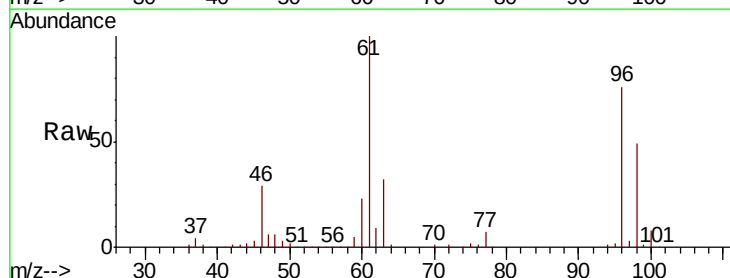
Tgt Ion: 96 Resp: 370536

Ion Ratio Lower Upper

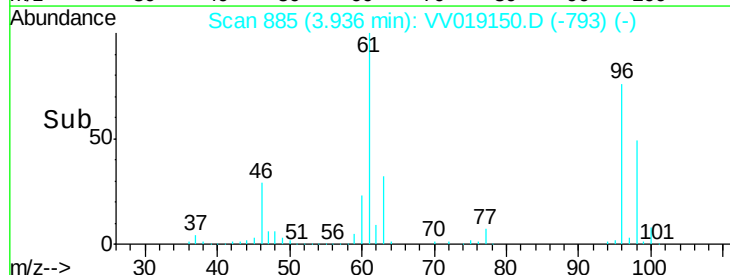
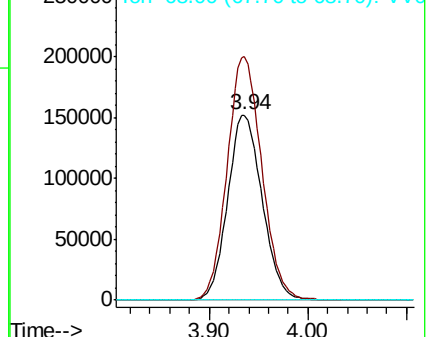
96 100

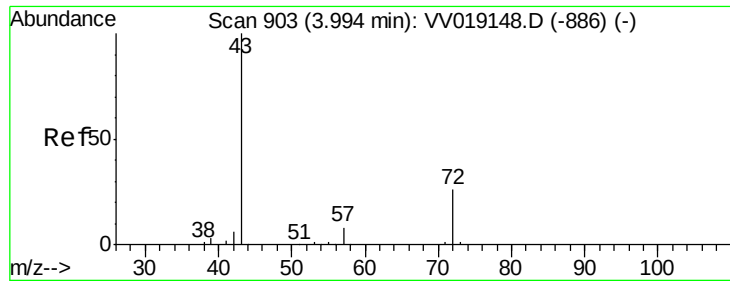
61 131.4 90.7 168.5

68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VV0
Ion 61.00 (60.70 to 61.70): VV0
Ion 68.00 (67.70 to 68.70): VV0





#22

2-Butanone

Concen: 366.670 ug/L

RT: 3.99 min Scan# 902

Delta R.T. -0.00 min

Lab File: VV019150.D

Acq: 29 Oct 2020 15:40

Instrument :

MSVOA_V

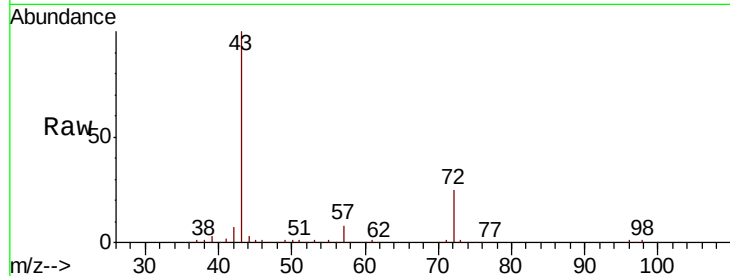
ClientSampleId :

Tot Ion: 43 Resp: 507633

Ion Ratio Lower Upper

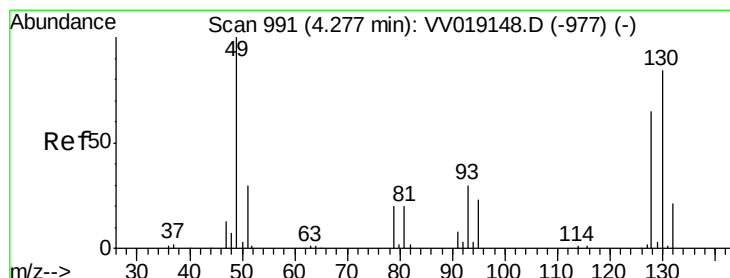
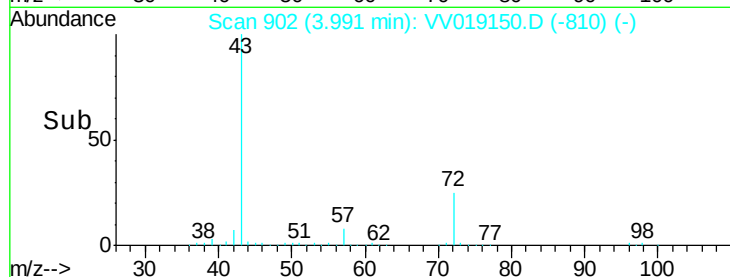
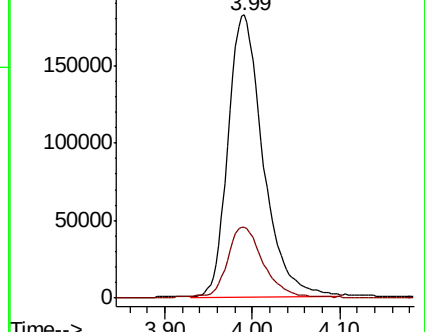
43 100

72 26.4 11.9 35.9



Abundance Ion 43.00 (42.70 to 43.70): VV019150.D (-810) (-)

Ion 72.00 (71.70 to 72.70): VV019150.D (-810) (-)



#23

Bromochloromethane

Concen: 204.141 ug/L

RT: 4.27 min Scan# 989

Delta R.T. -0.01 min

Lab File: VV019150.D

Acq: 29 Oct 2020 15:40

Tgt Ion: 128 Resp: 196467

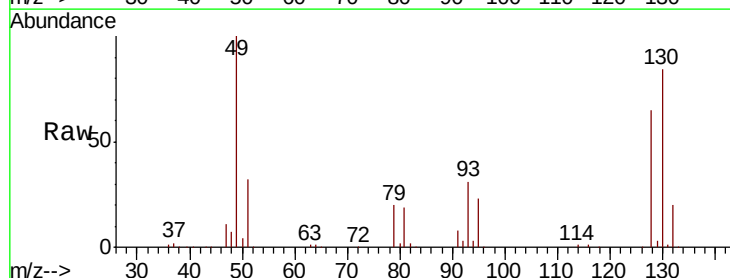
Ion Ratio Lower Upper

128 100

49 153.5 108.5 201.5

130 128.3 90.4 167.8

51 49.1 36.9 55.3

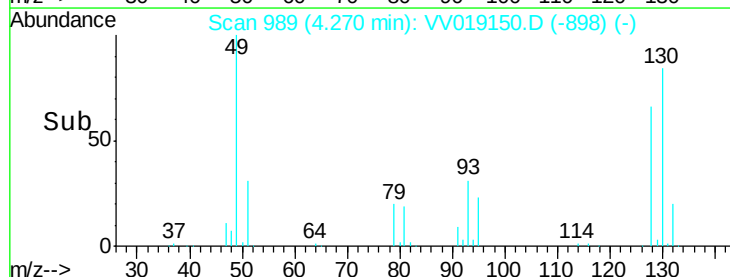
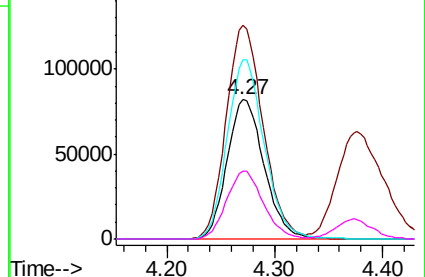


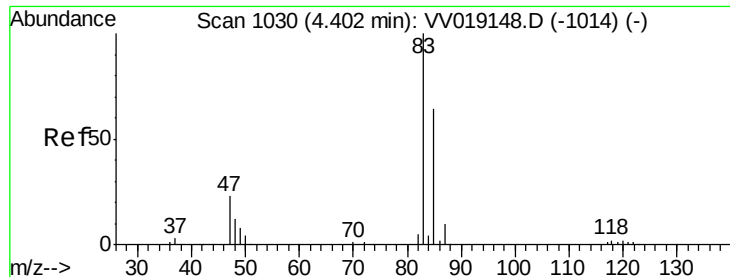
Abundance Ion 128.00 (127.70 to 128.70): VV019150.D (-898) (-)

Ion 49.00 (48.70 to 49.70): VV019150.D (-898) (-)

Ion 130.00 (129.70 to 130.70): VV019150.D (-898) (-)

Ion 51.00 (50.70 to 51.70): VV019150.D (-898) (-)

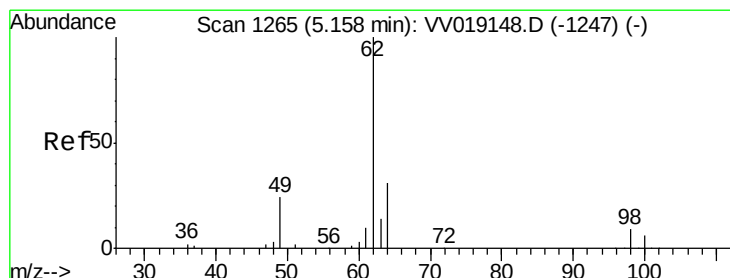
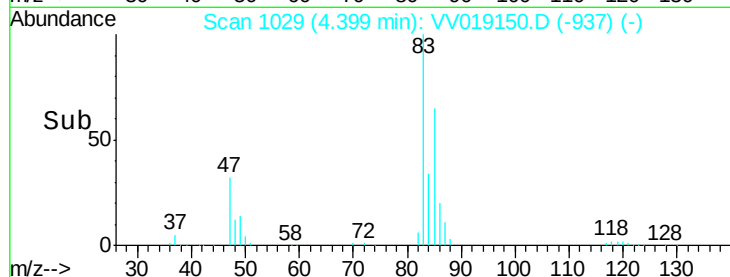
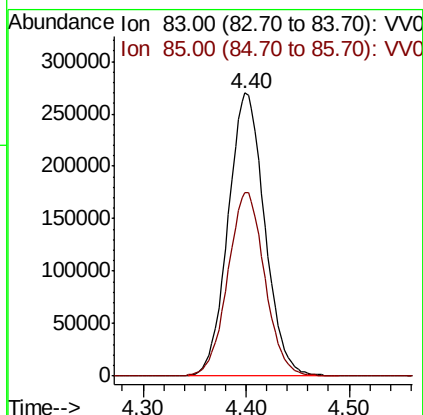
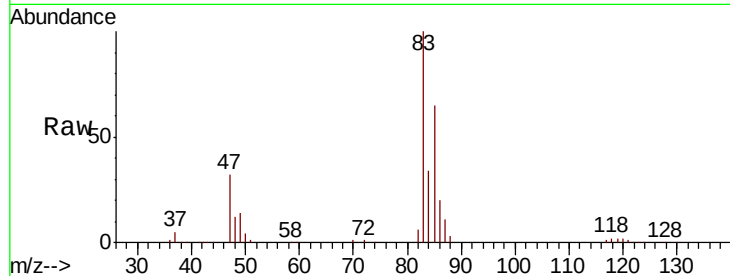




#25
Chloroform
Concen: 191.010 ug/L
RT: 4.40 min Scan# 1029
Delta R.T. -0.00 min
Lab File: VV019150.D
Acq: 29 Oct 2020 15:40

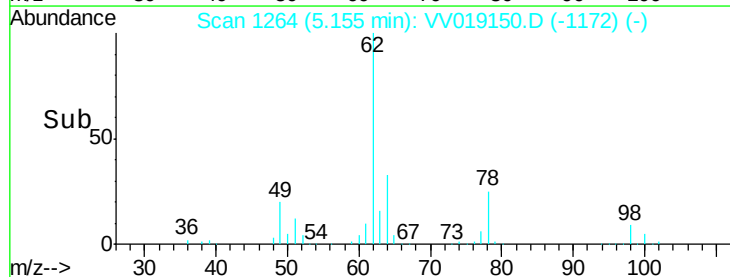
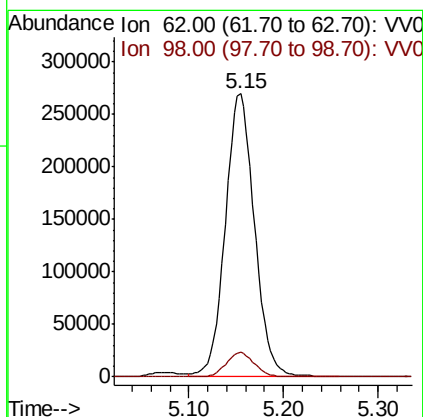
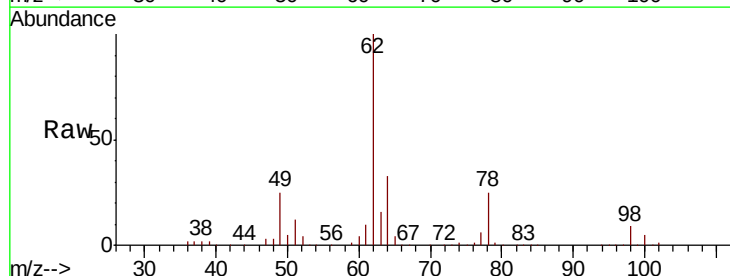
Instrument :
MSVOA_V
ClientSampleId :

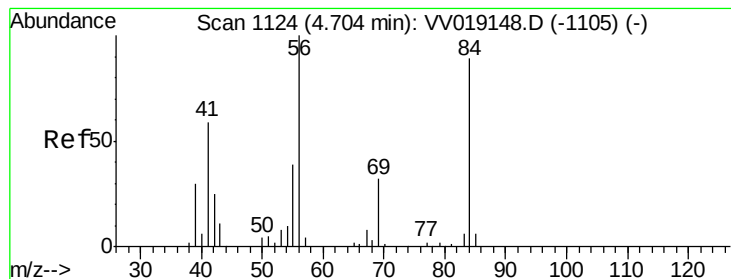
Tot Ion: 83 Resp: 666401
Ion Ratio Lower Upper
83 100
85 65.1 45.1 83.9



#27
1,2-Dichloroethane
Concen: 198.691 ug/L
RT: 5.15 min Scan# 1264
Delta R.T. -0.00 min
Lab File: VV019150.D
Acq: 29 Oct 2020 15:40

Tgt Ion: 62 Resp: 576204
Ion Ratio Lower Upper
62 100
98 8.6 6.8 10.2





#29

Cyclohexane

Concen: 191.397 ug/L

RT: 4.70 min Scan# 1123

Delta R.T. -0.00 min

Lab File: VV019150.D

Acq: 29 Oct 2020 15:40

Instrument :
MSVOA_V
ClientSampleId :

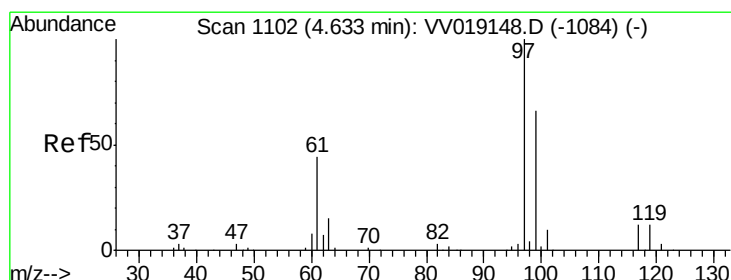
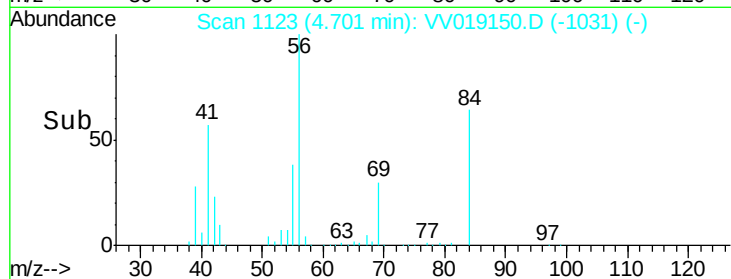
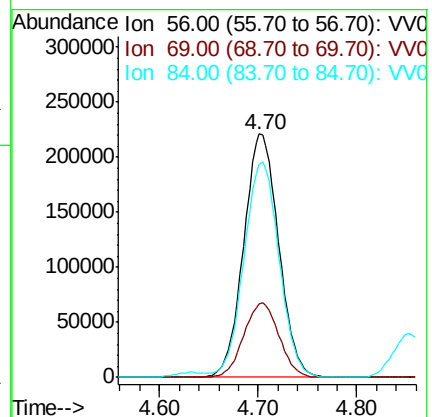
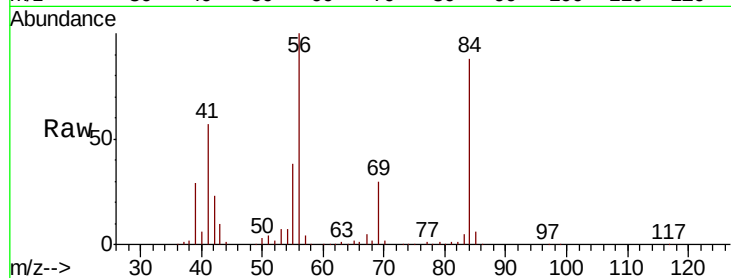
Tot Ion: 56 Resp: 541673

Ion Ratio Lower Upper

56 100

69 30.9 25.0 37.4

84 89.0 71.5 107.3



#30

1,1,1-Trichloroethane

Concen: 208.852 ug/L

RT: 4.63 min Scan# 1102

Delta R.T. 0.00 min

Lab File: VV019150.D

Acq: 29 Oct 2020 15:40

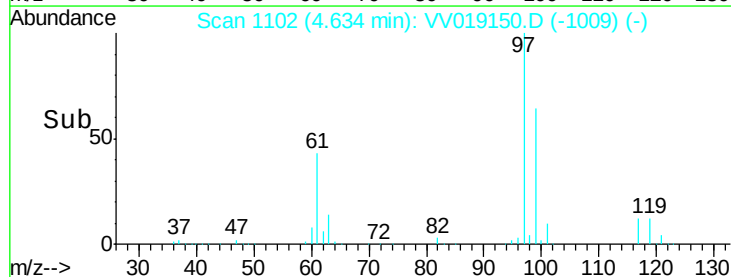
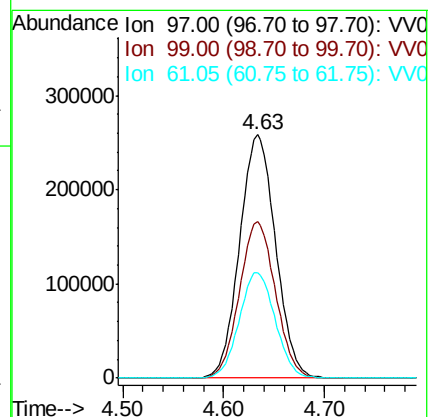
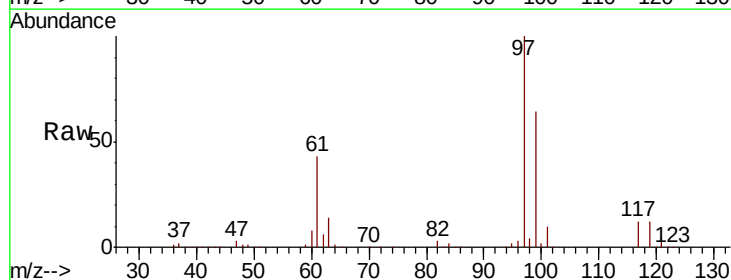
Tgt Ion: 97 Resp: 639484

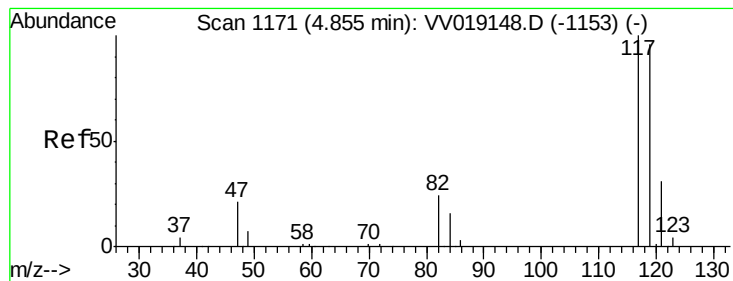
Ion Ratio Lower Upper

97 100

99 64.4 51.3 76.9

61 43.4 34.6 52.0





#31

Carbon tetrachloride

Concen: 213.310 ug/L

RT: 4.85 min Scan# 1170

Delta R.T. -0.00 min

Lab File: VV019150.D

Acq: 29 Oct 2020 15:40

Instrument :

MSVOA_V

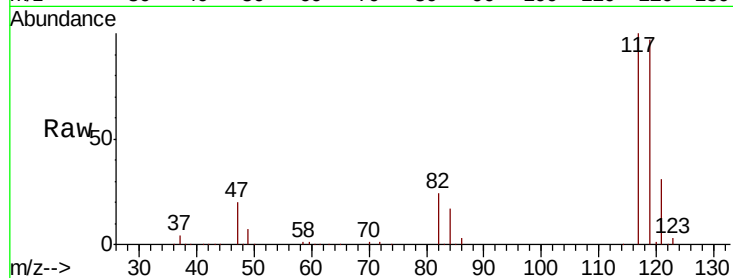
ClientSampleId :

Tot Ion:117 Resp: 573180

Ion Ratio Lower Upper

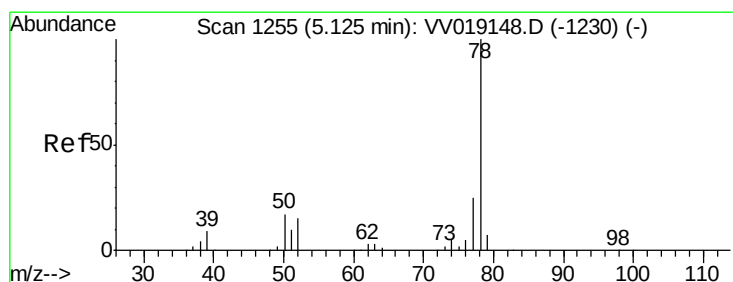
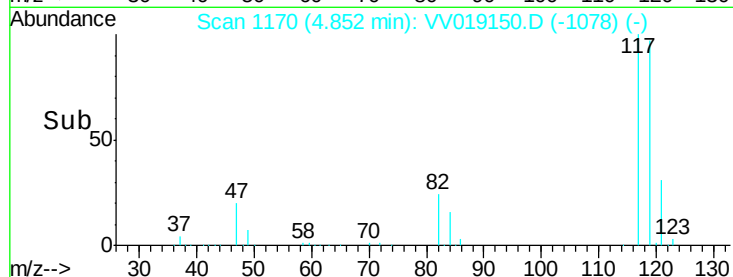
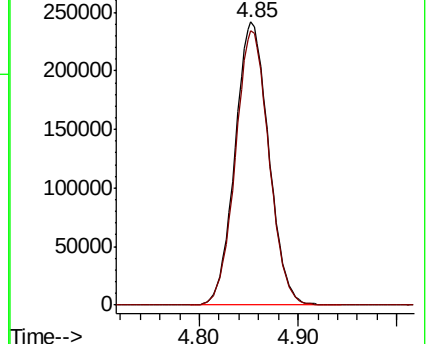
117 100

119 96.2 77.2 115.8



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#33

Benzene

Concen: 187.829 ug/L

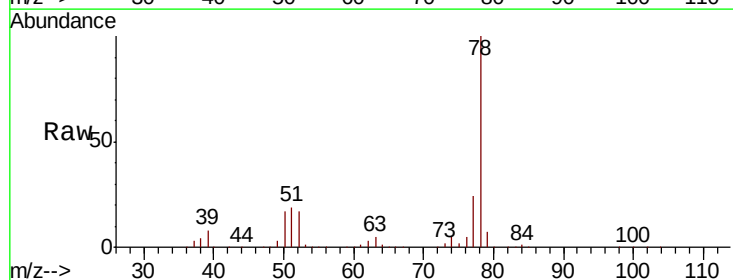
RT: 5.12 min Scan# 1254

Delta R.T. -0.00 min

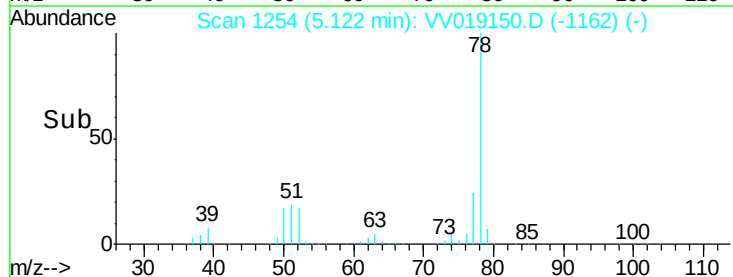
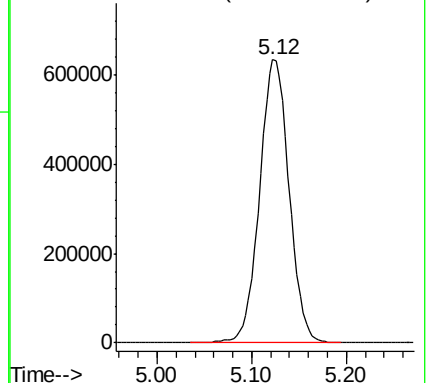
Lab File: VV019150.D

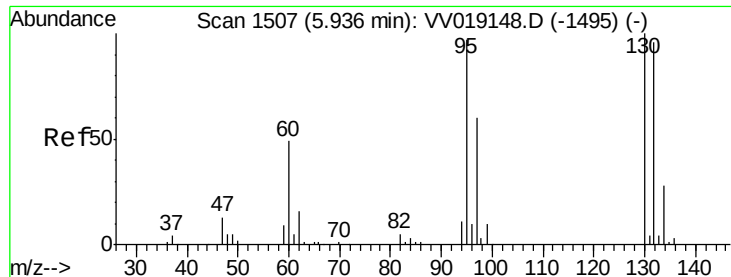
Acq: 29 Oct 2020 15:40

Tgt Ion: 78 Resp: 1370626



Abundance Ion 78.00 (77.70 to 78.70): VV0

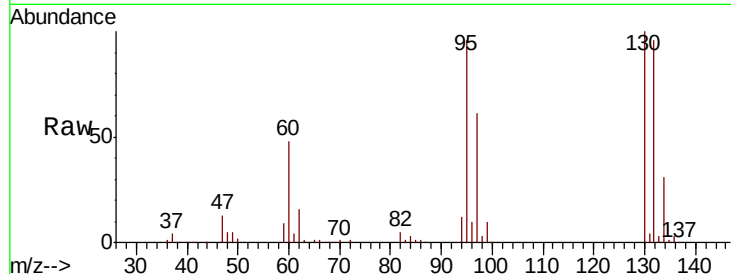




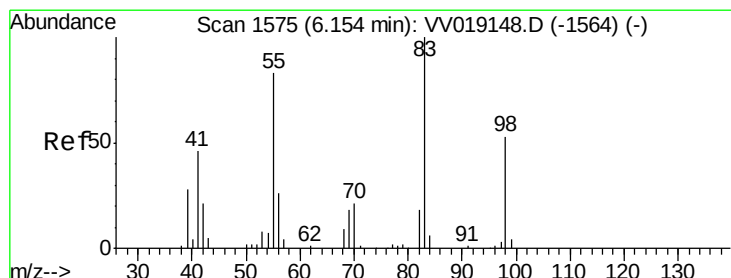
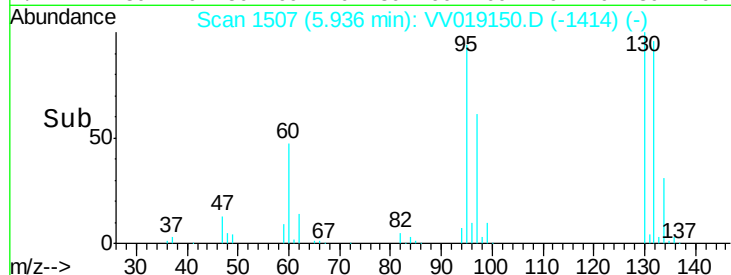
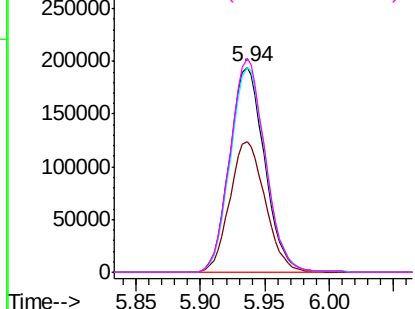
#34
 Trichloroethene
 Concen: 195.824 ug/L
 RT: 5.94 min Scan# 1507
 Delta R.T. 0.00 min
 Lab File: VV019150.D
 Acq: 29 Oct 2020 15:40

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion: 95 Resp: 367490
 Ion Ratio Lower Upper
 95 100
 97 63.8 43.4 80.6
 132 100.1 69.7 129.4
 130 104.1 72.4 134.5

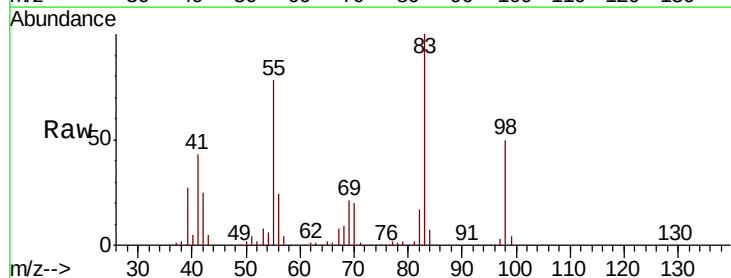


Abundance Ion 95.00 (94.70 to 95.70): VV0
 Ion 97.00 (96.70 to 97.70): VV0
 Ion 132.00 (131.70 to 132.70): VV0
 Ion 130.00 (129.70 to 130.70): VV0

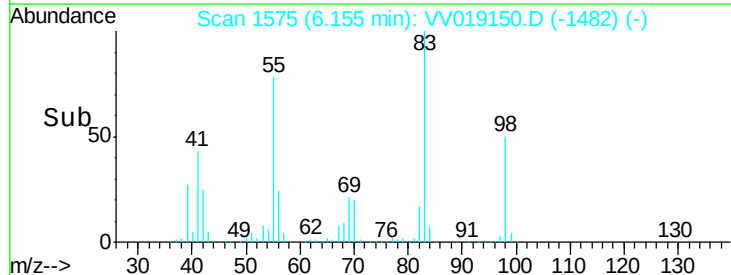
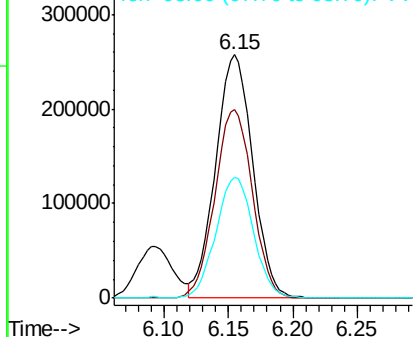


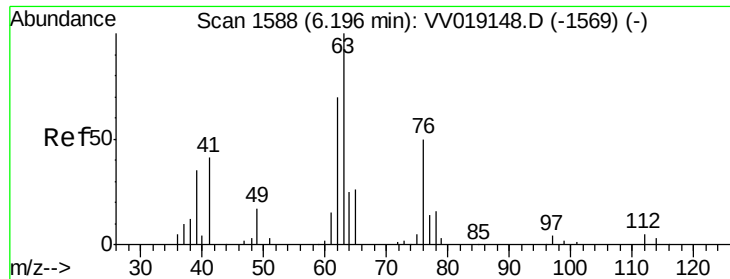
#35
 Methylcyclohexane
 Concen: 201.325 ug/L
 RT: 6.15 min Scan# 1575
 Delta R.T. 0.00 min
 Lab File: VV019150.D
 Acq: 29 Oct 2020 15:40

Tgt Ion: 83 Resp: 515575
 Ion Ratio Lower Upper
 83 100
 55 78.2 62.2 93.4
 98 50.4 39.4 59.2



Abundance Ion 83.00 (82.70 to 83.70): VV0
 Ion 55.00 (54.70 to 55.70): VV0
 Ion 98.00 (97.70 to 98.70): VV0

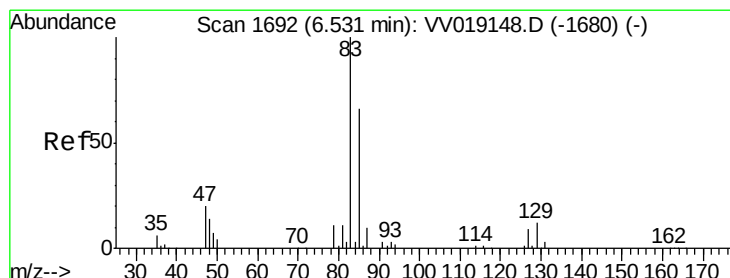
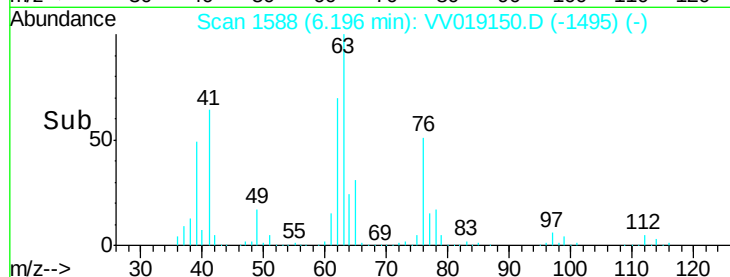
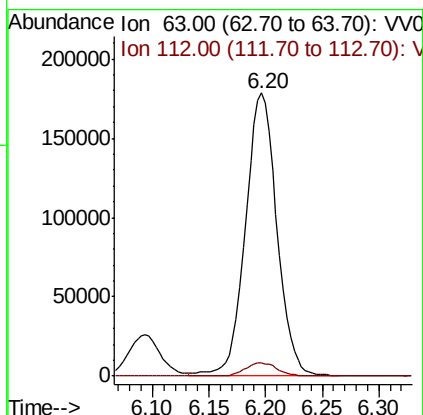
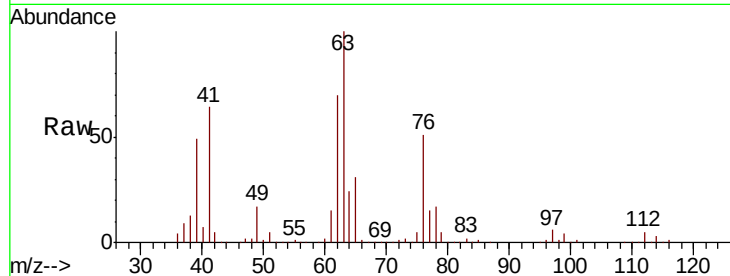




#37
 1,2-Dichloropropane
 Concen: 173.590 ug/L
 RT: 6.20 min Scan# 1588
 Delta R.T. 0.00 min
 Lab File: VV019150.D
 Acq: 29 Oct 2020 15:40

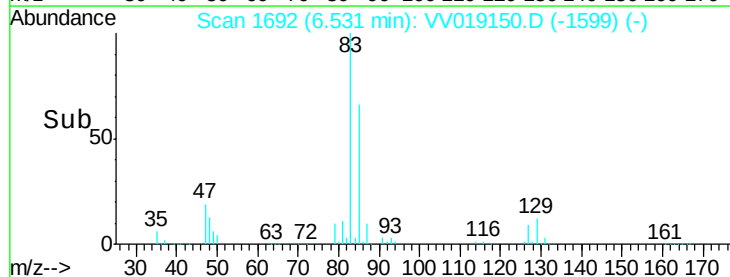
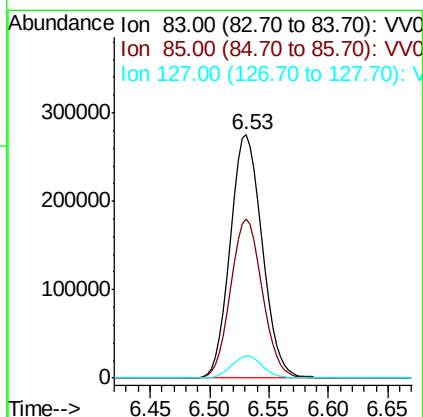
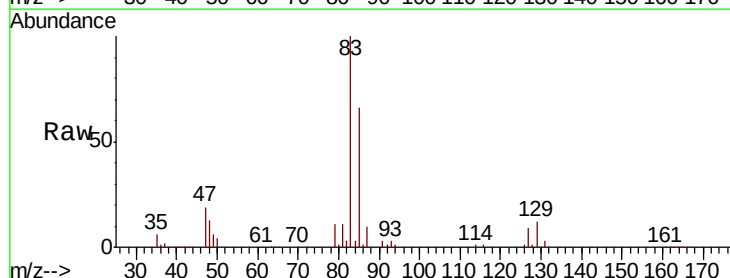
Instrument :
 MSVOA_V
 ClientSampleId :

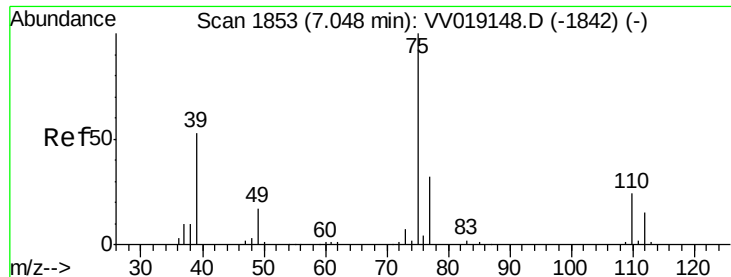
Tot Ion: 63 Resp: 343915
 Ion Ratio Lower Upper
 63 100
 112 4.8 3.8 5.8



#38
 Bromodichloromethane
 Concen: 199.653 ug/L
 RT: 6.53 min Scan# 1692
 Delta R.T. 0.00 min
 Lab File: VV019150.D
 Acq: 29 Oct 2020 15:40

Tgt Ion: 83 Resp: 514865
 Ion Ratio Lower Upper
 83 100
 85 65.5 45.9 85.3
 127 9.1 6.9 10.3

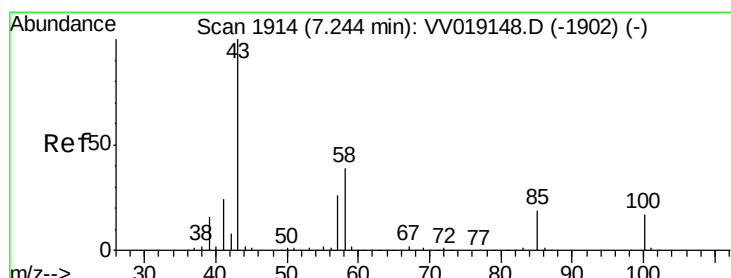
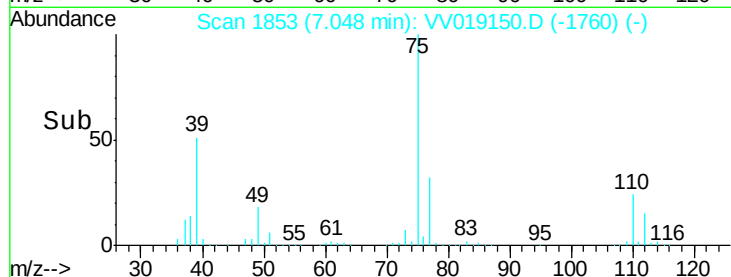
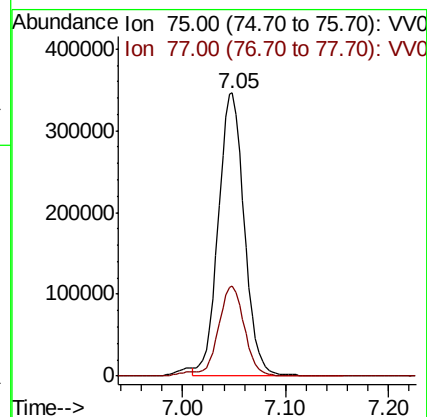
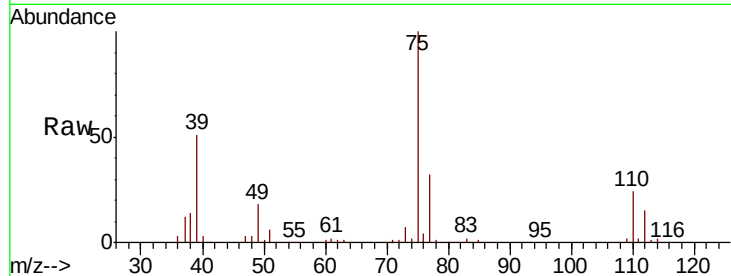




#39
 cis-1,3-Dichloropropene
 Concen: 203.123 ug/L
 RT: 7.05 min Scan# 1853
 Delta R.T. 0.00 min
 Lab File: VV019150.D
 Acq: 29 Oct 2020 15:40

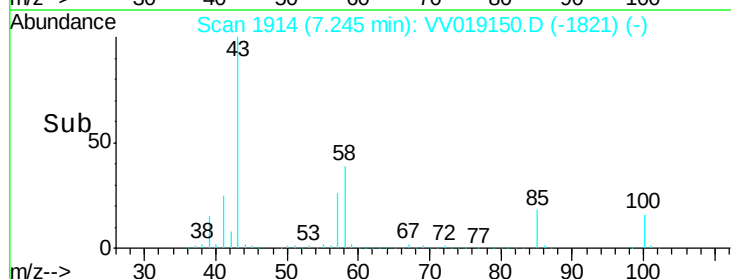
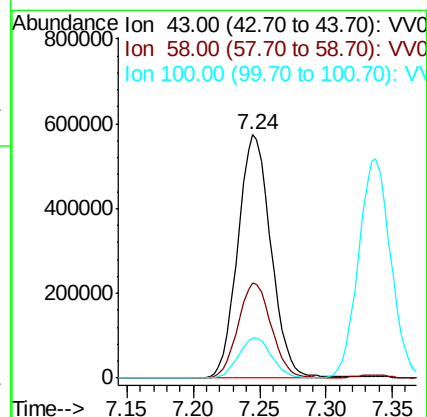
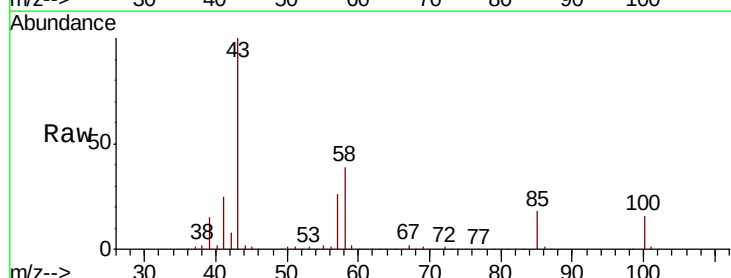
Instrument :
 MSVOA_V
 ClientSampleId :

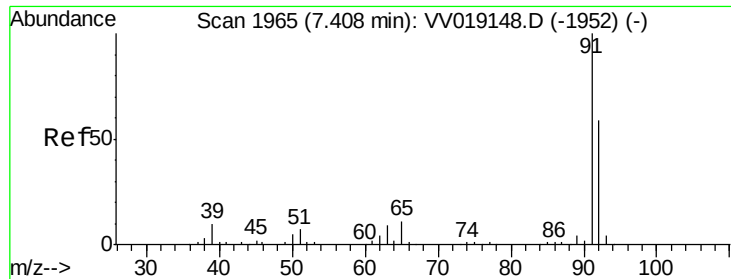
Tot Ion: 75 Resp: 606851
 Ion Ratio Lower Upper
 75 100
 77 31.7 22.7 42.1



#40
 4-Methyl-2-pentanone
 Concen: 374.653 ug/L
 RT: 7.24 min Scan# 1914
 Delta R.T. 0.00 min
 Lab File: VV019150.D
 Acq: 29 Oct 2020 15:40

Tgt Ion: 43 Resp: 998869
 Ion Ratio Lower Upper
 43 100
 58 39.3 31.0 46.4
 100 16.6 13.2 19.8





#42

Toluene

Concen: 201.008 ug/L

RT: 7.41 min Scan# 1965

Delta R.T. 0.00 min

Lab File: VV019150.D

Acq: 29 Oct 2020 15:40

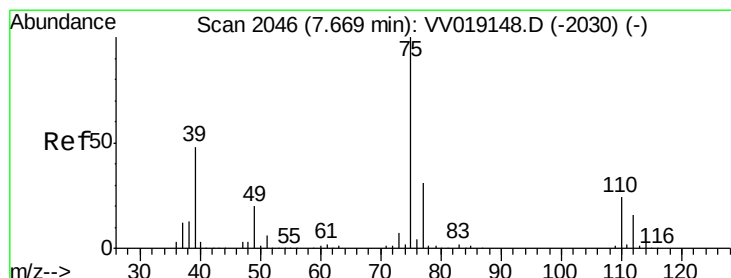
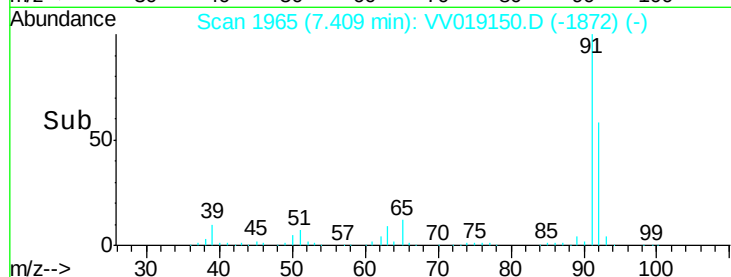
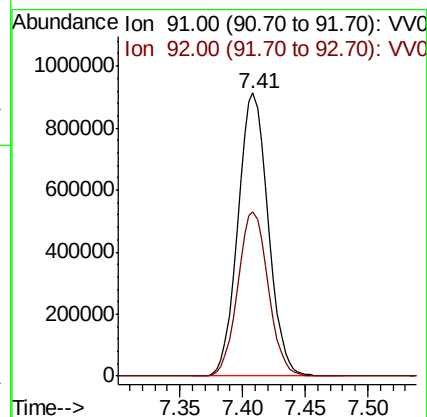
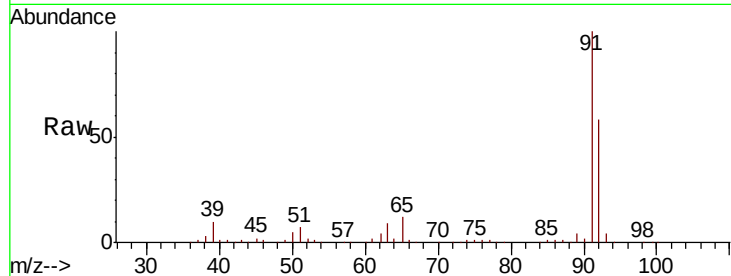
Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 91 Resp: 1527476

Ion Ratio Lower Upper

91 100

92 58.3 41.5 77.1



#44

trans-1,3-Dichloropropene

Concen: 211.491 ug/L

RT: 7.67 min Scan# 2046

Delta R.T. 0.00 min

Lab File: VV019150.D

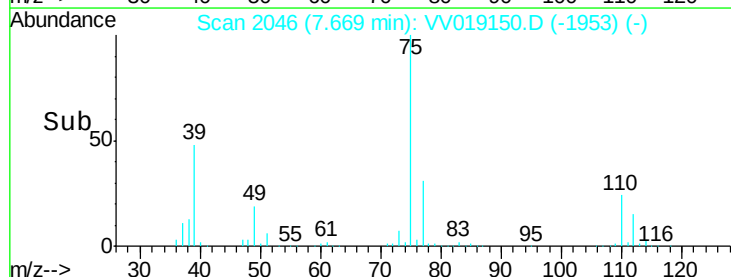
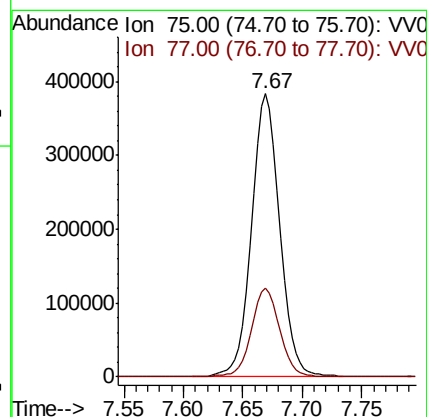
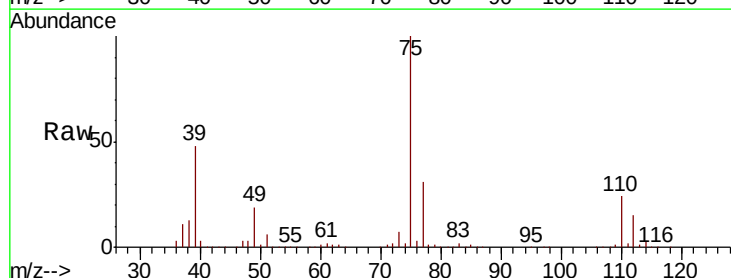
Acq: 29 Oct 2020 15:40

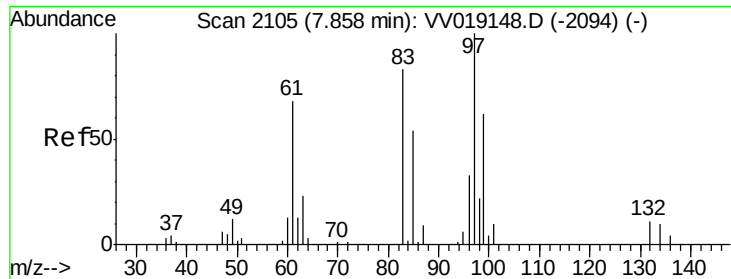
Tgt Ion: 75 Resp: 629900

Ion Ratio Lower Upper

75 100

77 31.4 21.8 40.4

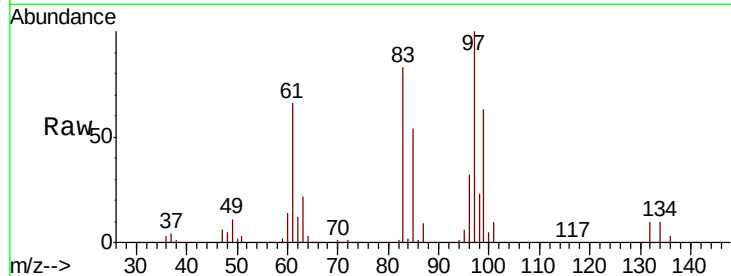




#45
1,1,2-Trichloroethane
Concen: 189.993 ug/L
RT: 7.86 min Scan# 2105
Delta R.T. 0.00 min
Lab File: VV019150.D
Acq: 29 Oct 2020 15:40

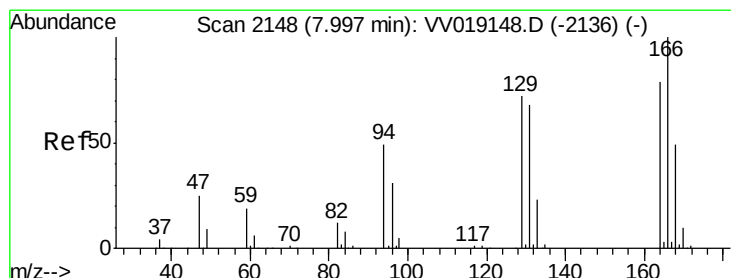
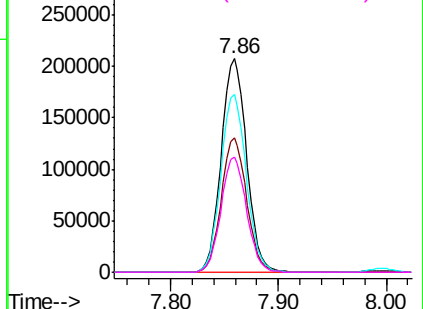
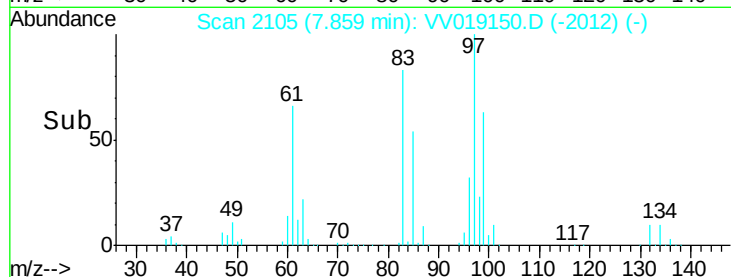
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion:	97	Resp:	340596
Ion	Ratio	Lower	Upper
97	100		
99	63.2	43.1	80.1
83	83.1	58.3	108.3
85	54.0	37.8	70.2



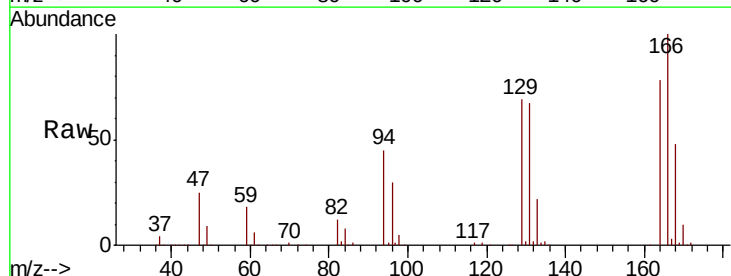
Abundance

Ion 97.00 (96.70 to 97.70): VV019150.D (-2012) (-)



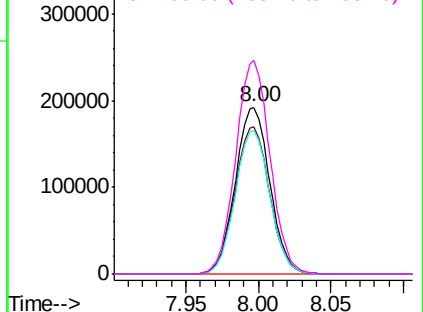
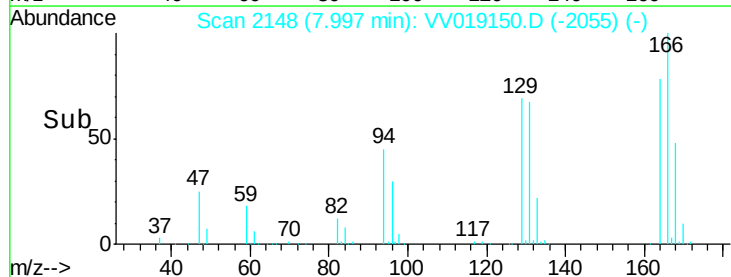
#46
Tetrachloroethene
Concen: 216.239 ug/L
RT: 8.00 min Scan# 2148
Delta R.T. 0.00 min
Lab File: VV019150.D
Acq: 29 Oct 2020 15:40

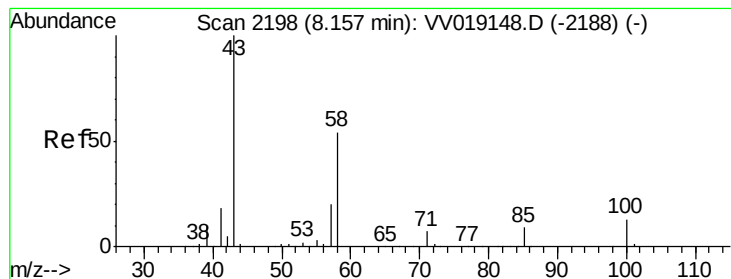
Tgt Ion:	164	Resp:	317914
Ion	Ratio	Lower	Upper
164	100		
129	88.4	63.2	117.4
131	86.1	60.3	112.1
166	128.1	88.3	163.9



Abundance

Ion 164.00 (163.70 to 164.70): VV019150.D (-2055) (-)





#48

2-Hexanone

Concen: 379.294 ug/L

RT: 8.16 min Scan# 2198

Delta R.T. 0.00 min

Lab File: VV019150.D

Acq: 29 Oct 2020 15:40

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 43 Resp: 780370

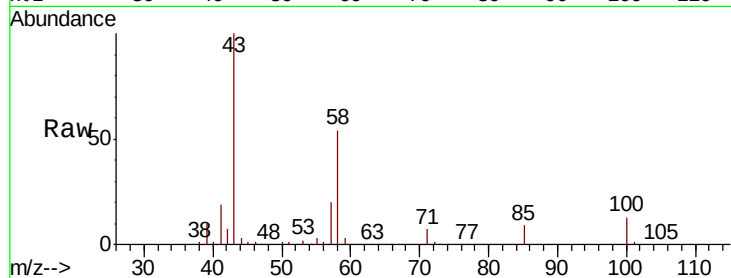
Ion Ratio Lower Upper

43 100

58 53.7 43.6 65.4

57 19.8 16.0 24.0

100 13.2 10.3 15.5

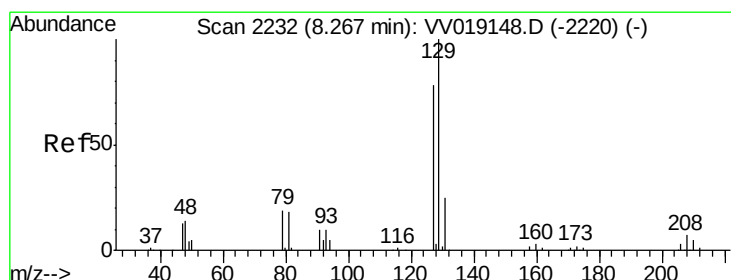
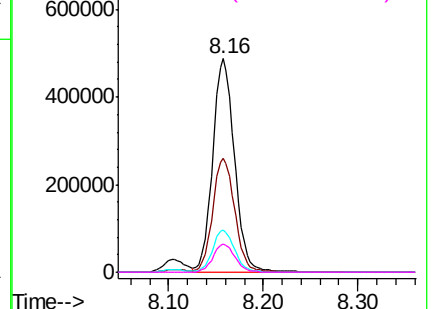
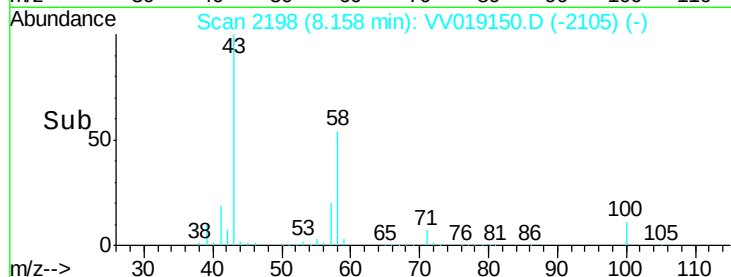


Abundance Ion 43.00 (42.70 to 43.70): VV019150.D (-2105) (-)

Ion 58.00 (57.70 to 58.70): VV019150.D (-2105) (-)

Ion 57.00 (56.70 to 57.70): VV019150.D (-2105) (-)

Ion 100.00 (99.70 to 100.70): VV019150.D (-2105) (-)



#49

Dibromochloromethane

Concen: 217.367 ug/L

RT: 8.27 min Scan# 2232

Delta R.T. 0.00 min

Lab File: VV019150.D

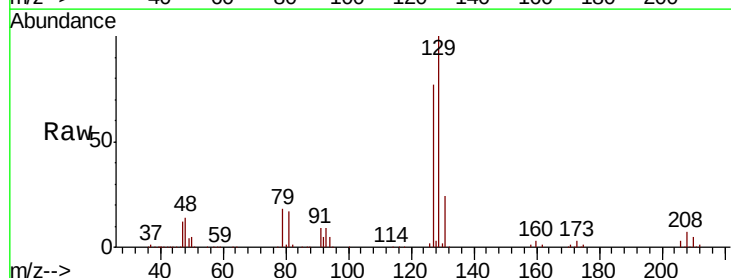
Acq: 29 Oct 2020 15:40

Tgt Ion:129 Resp: 431768

Ion Ratio Lower Upper

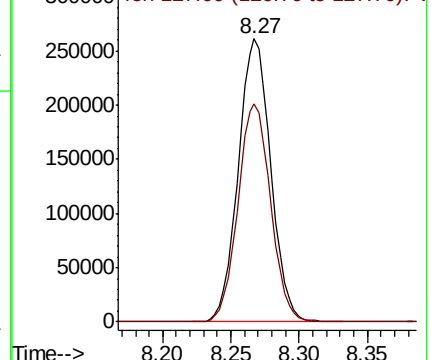
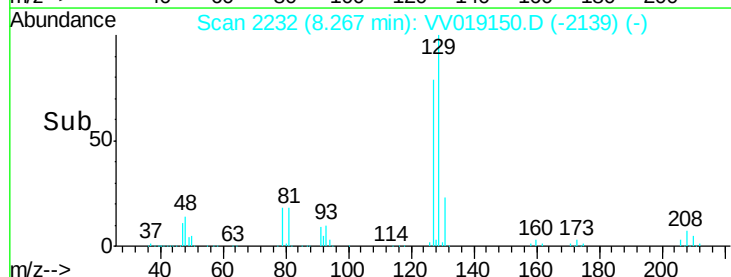
129 100

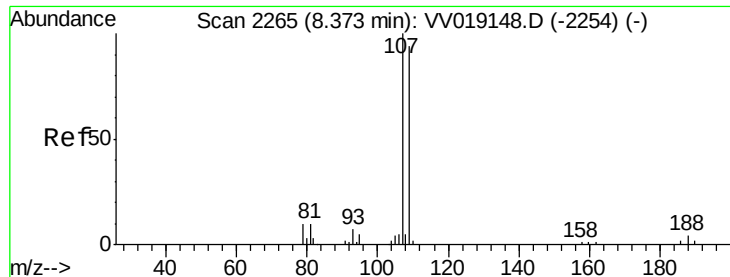
127 77.1 54.7 101.5



Abundance Ion 129.00 (128.70 to 129.70): VV019150.D (-2139) (-)

Ion 127.00 (126.70 to 127.70): VV019150.D (-2139) (-)

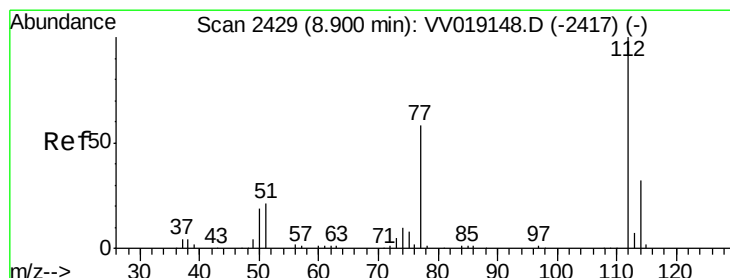
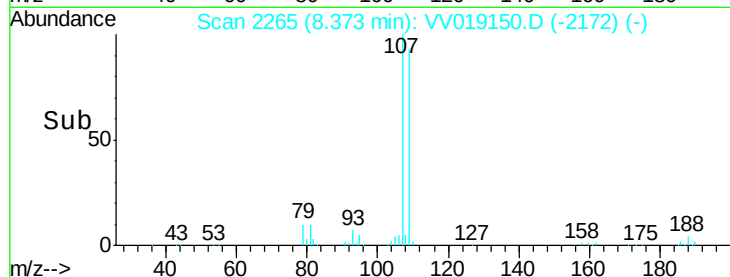
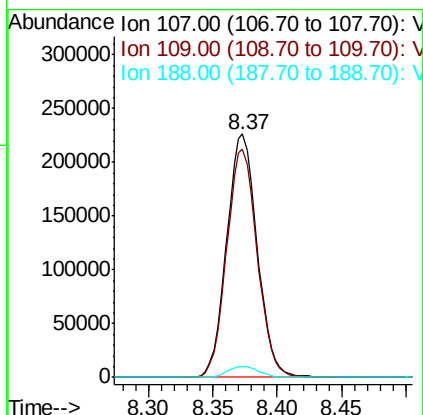
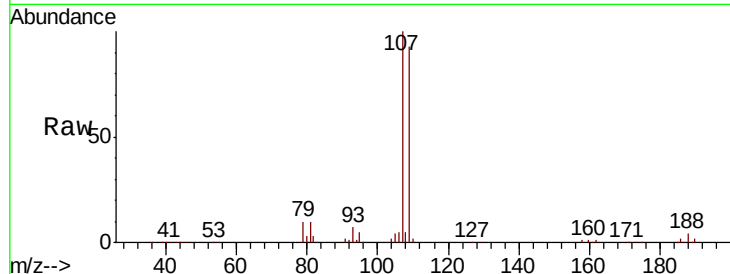




#50
1,2-Dibromoethane
Concen: 198.685 ug/L
RT: 8.37 min Scan# 2265
Delta R.T. 0.00 min
Lab File: VV019150.D
Acq: 29 Oct 2020 15:40

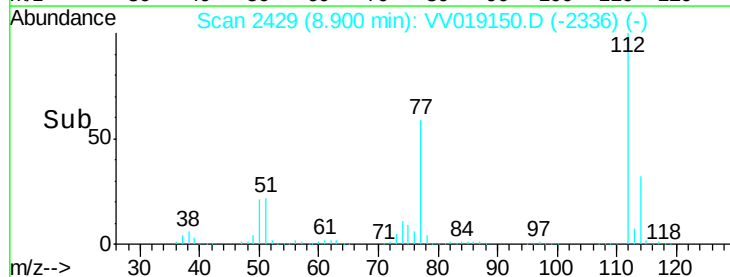
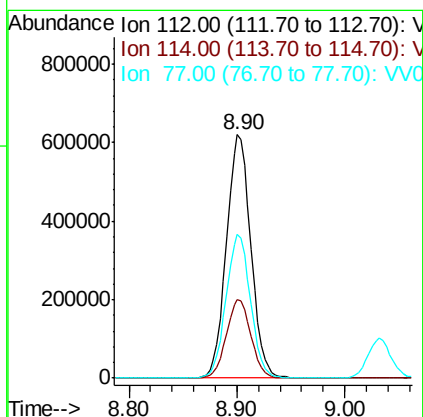
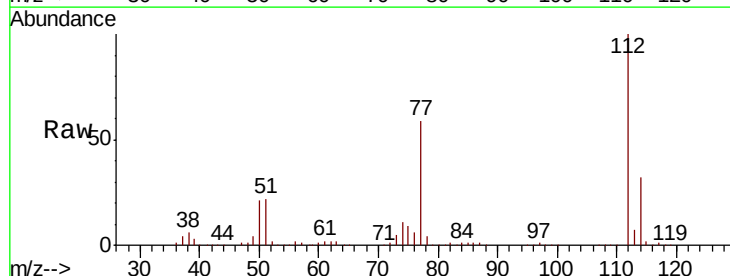
Instrument :
MSVOA_V
ClientSampleId :

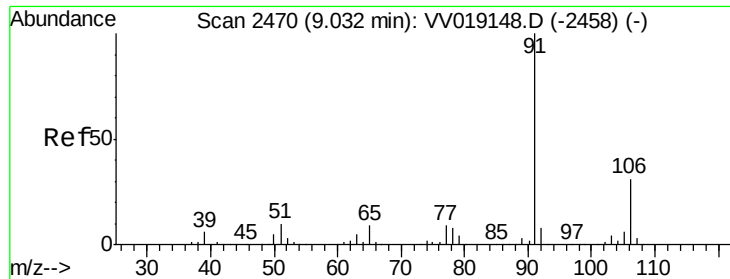
Tot Ion	Ratio	Lower	Upper
107	100		
109	93.5	65.7	121.9
188	4.4	3.4	5.2



#51
Chlorobenzene
Concen: 200.262 ug/L
RT: 8.90 min Scan# 2429
Delta R.T. 0.00 min
Lab File: VV019150.D
Acq: 29 Oct 2020 15:40

Tgt Ion	Ratio	Lower	Upper
112	100		
114	32.4	22.3	41.5
77	59.0	46.7	70.1





#52

Ethylbenzene

Concen: 207.492 ug/L

RT: 9.03 min Scan# 2470

Delta R.T. 0.00 min

Lab File: VV019150.D

Acq: 29 Oct 2020 15:40

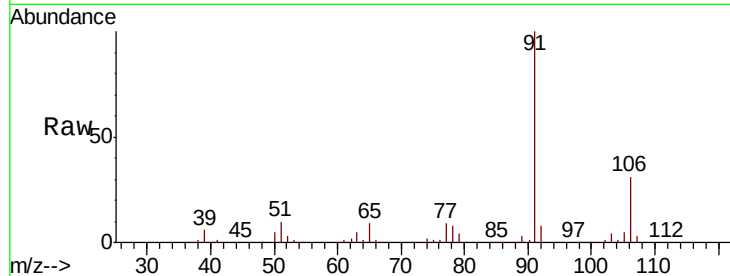
Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 91 Resp: 1705940

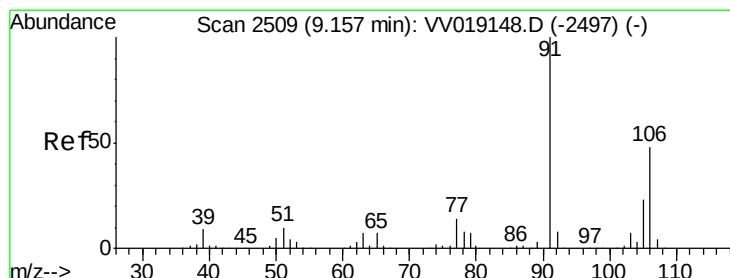
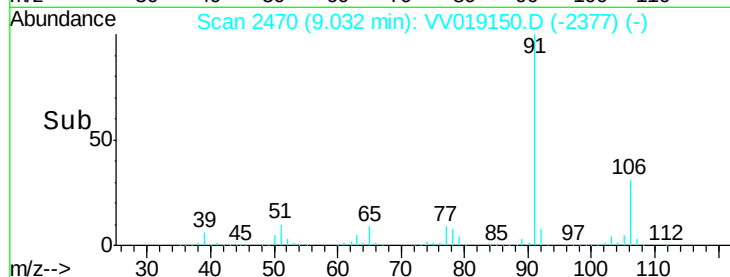
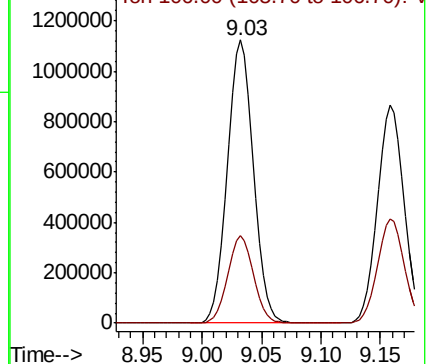
Ion Ratio Lower Upper

91 100

106 30.8 21.6 40.0



Abundance Ion 91.00 (90.70 to 91.70): VV019150.D (-2377) (-)



#53

m,p-Xylene

Concen: 212.593 ug/L

RT: 9.16 min Scan# 2509

Delta R.T. 0.00 min

Lab File: VV019150.D

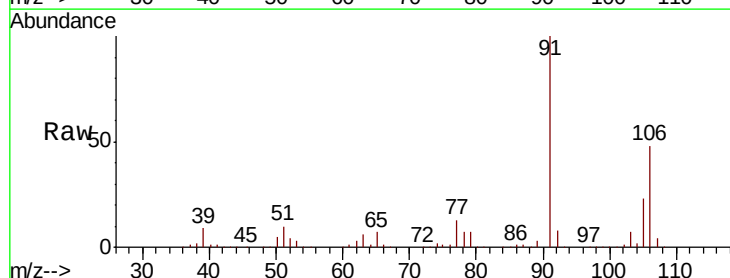
Acq: 29 Oct 2020 15:40

Tgt Ion: 106 Resp: 644501

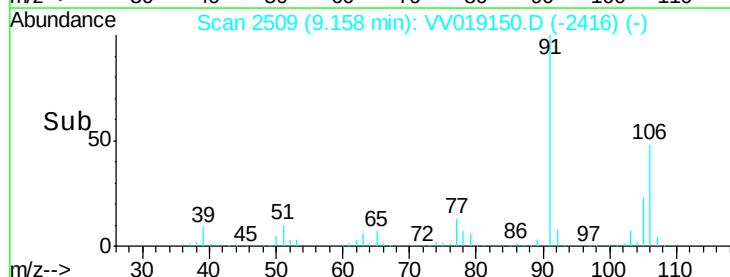
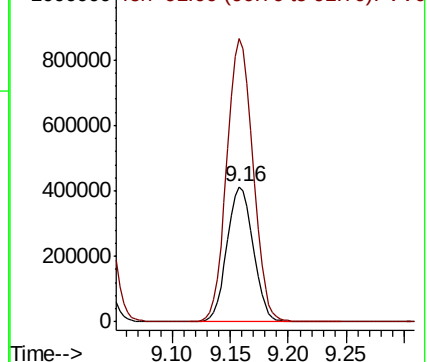
Ion Ratio Lower Upper

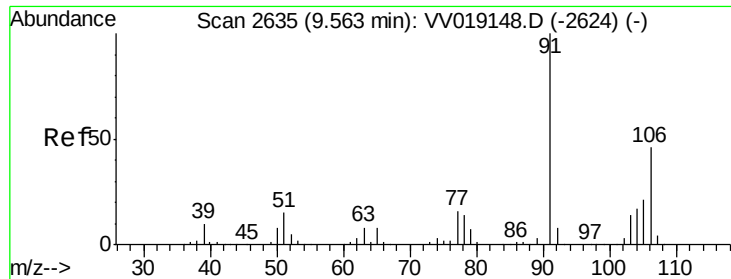
106 100

91 209.1 145.4 270.0



Abundance Ion 106.00 (105.70 to 106.70): VV019150.D (-2416) (-)

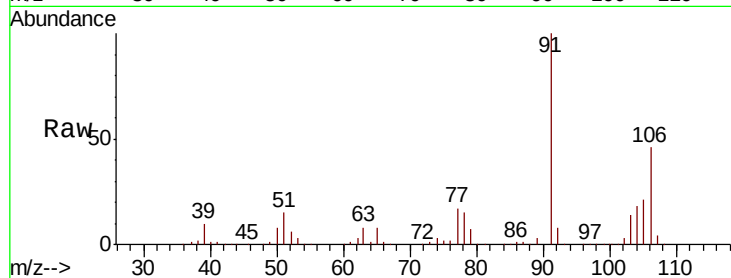




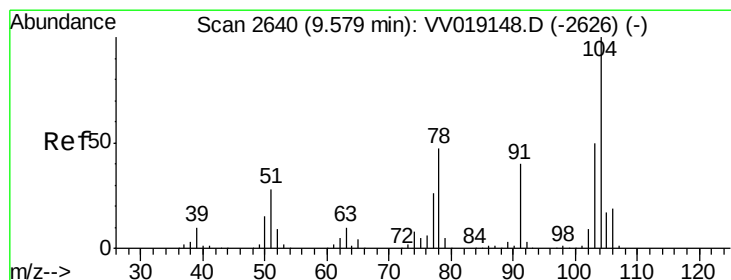
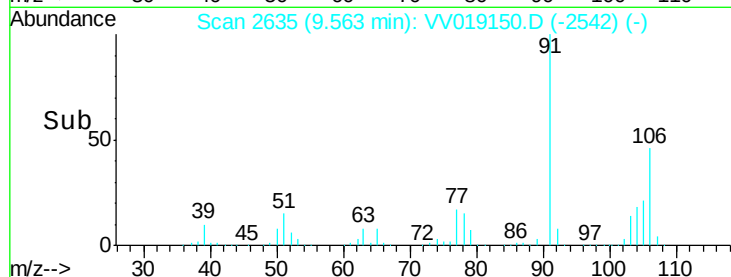
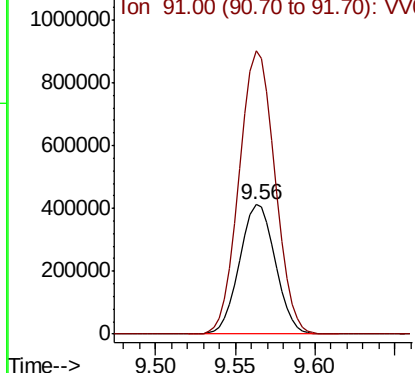
#54
o-xylene
Concen: 214.591 ug/L
RT: 9.56 min Scan# 2635
Delta R.T. 0.00 min
Lab File: VV019150.D
Acq: 29 Oct 2020 15:40

Instrument :
MSVOA_V
ClientSampled :

Tot Ion:106 Resp: 626242
Ion Ratio Lower Upper
106 100
91 218.8 153.4 285.0

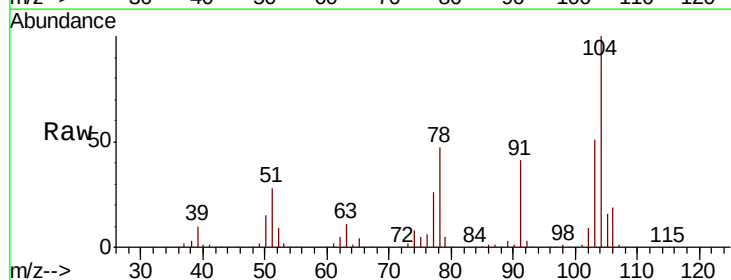


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VV0

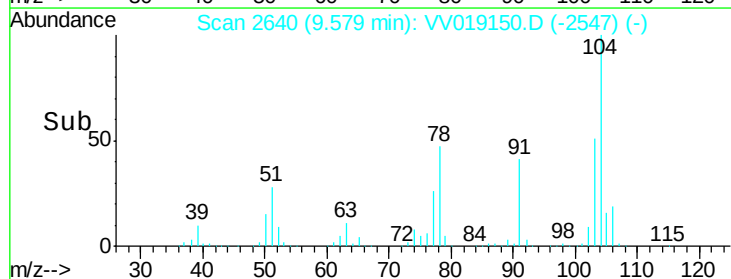
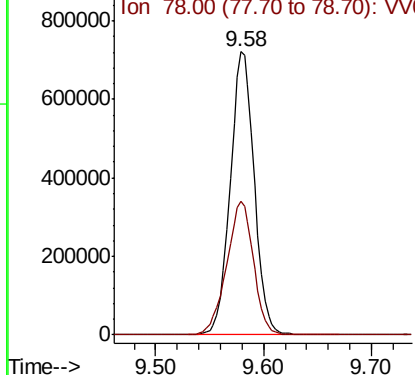


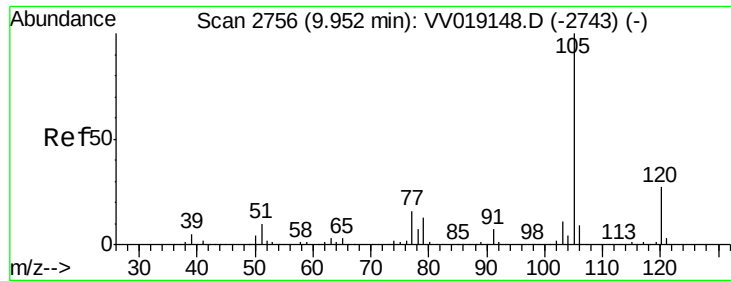
#55
Styrene
Concen: 217.170 ug/L
RT: 9.58 min Scan# 2640
Delta R.T. 0.00 min
Lab File: VV019150.D
Acq: 29 Oct 2020 15:40

Tgt Ion:104 Resp: 1123593
Ion Ratio Lower Upper
104 100
78 47.2 32.8 60.8



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VV0





#56

Isopropylbenzene

Concen: 217.595 ug/L

RT: 9.95 min Scan# 2756

Delta R.T. 0.00 min

Lab File: VV019150.D

Acq: 29 Oct 2020 15:40

Instrument :
MSVOA_V
ClientSampled :

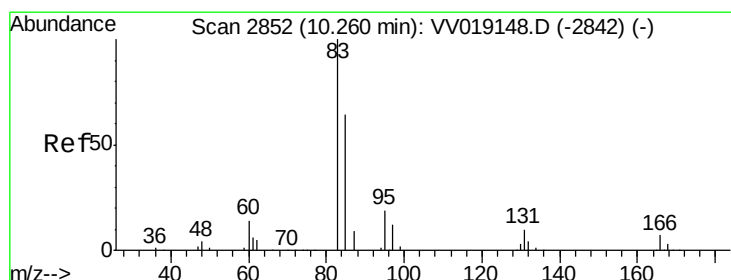
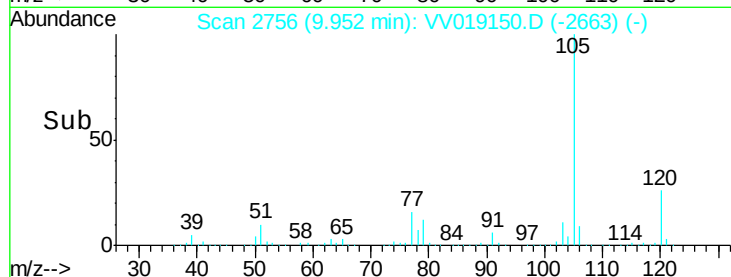
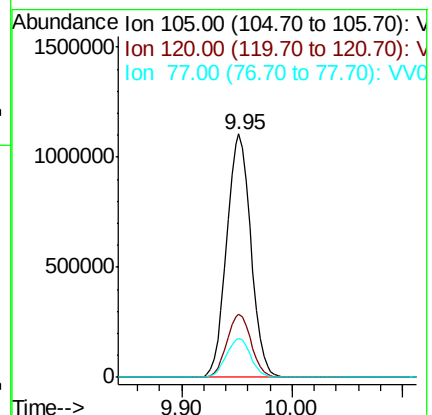
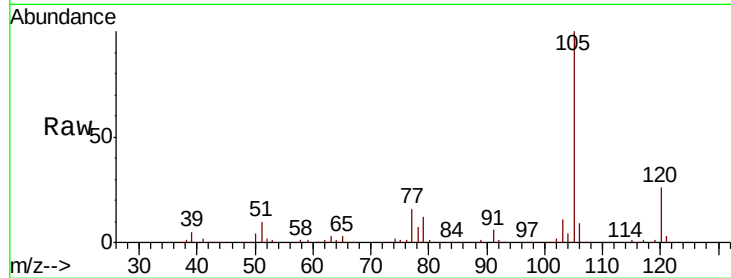
Tot Ion:105 Resp: 1678100

Ion Ratio Lower Upper

105 100

120 26.1 21.3 31.9

77 16.1 13.0 19.4



#58

1,1,2,2-Tetrachloroethane

Concen: 180.957 ug/L

RT: 10.26 min Scan# 2852

Delta R.T. 0.00 min

Lab File: VV019150.D

Acq: 29 Oct 2020 15:40

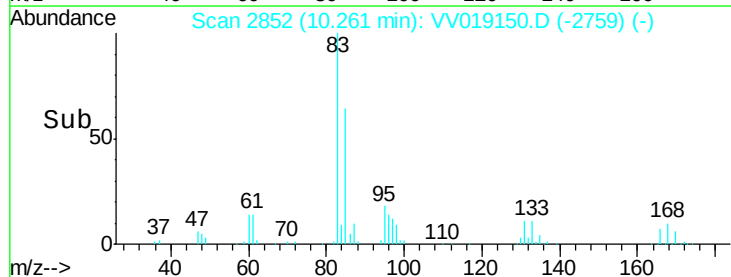
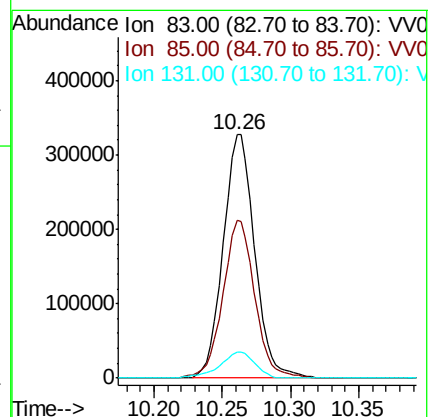
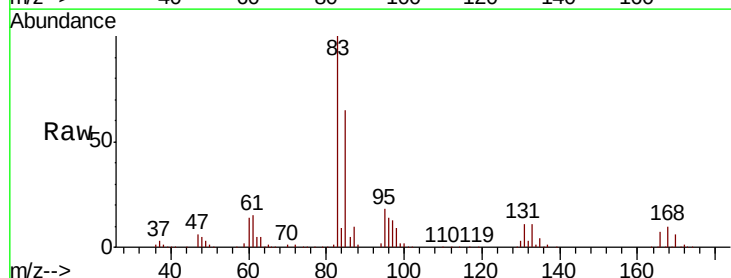
Tgt Ion: 83 Resp: 524598

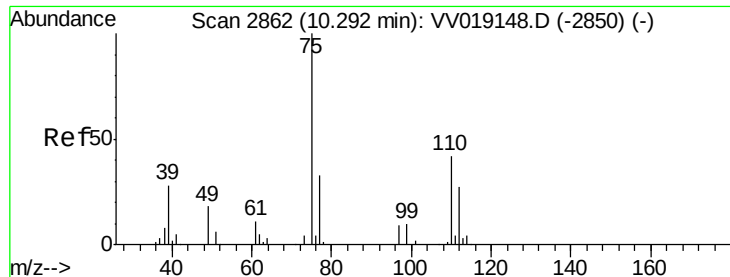
Ion Ratio Lower Upper

83 100

85 64.7 45.8 85.0

131 10.6 8.9 13.3





#59

1,2,3-Trichloropropane

Concen: 186.844 ug/L

RT: 10.30 min Scan# 2863

Delta R.T. 0.00 min

Lab File: VV019150.D

Acq: 29 Oct 2020 15:40

Instrument :

MSVOA_V

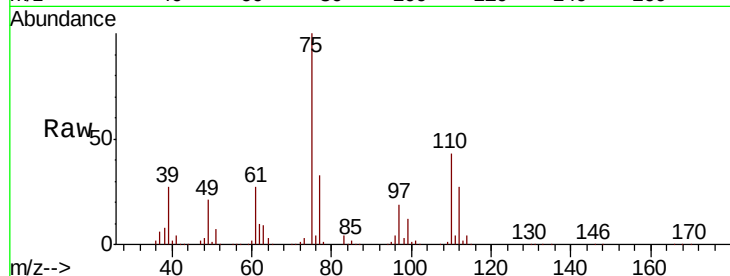
ClientSampleId :

Tot Ion: 75 Resp: 439438

Ion Ratio Lower Upper

75 100

77 32.4 26.2 39.4



Abundance Ion 75.00 (74.70 to 75.70): VV019148.D (-2850) (-)

Ion 77.00 (76.70 to 77.70): VV019148.D (-2850) (-)

10.30

300000

250000

200000

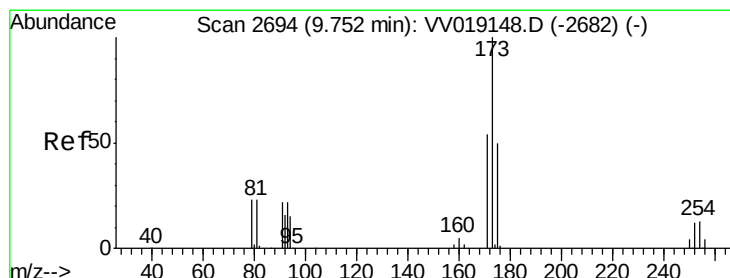
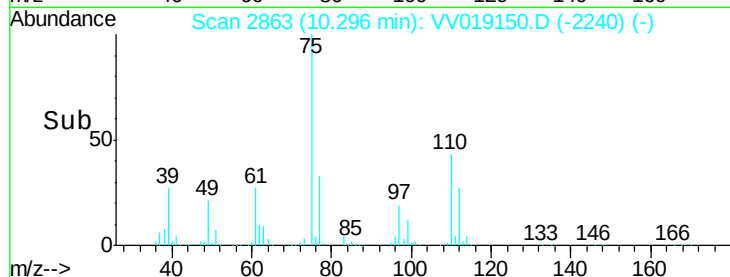
150000

100000

50000

0

Time--> 10.20 10.30 10.40



#61

Bromoform

Concen: 216.435 ug/L

RT: 9.75 min Scan# 2694

Delta R.T. 0.00 min

Lab File: VV019150.D

Acq: 29 Oct 2020 15:40

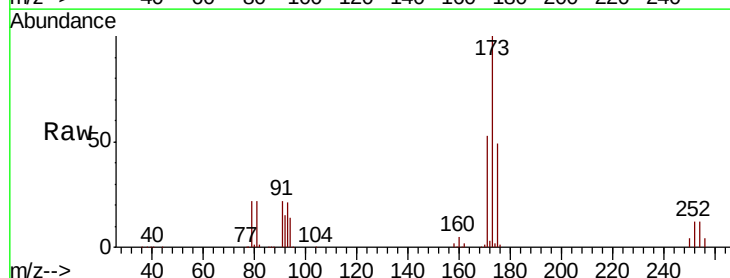
Tgt Ion: 173 Resp: 342072

Ion Ratio Lower Upper

173 100

175 48.9 39.8 59.6

254 11.6 9.7 14.5



Abundance Ion 173.00 (172.70 to 173.70): VV019148.D (-2682) (-)

Ion 175.00 (174.70 to 175.70): VV019148.D (-2682) (-)

Ion 254.00 (253.70 to 254.70): VV019148.D (-2682) (-)

9.75

250000

200000

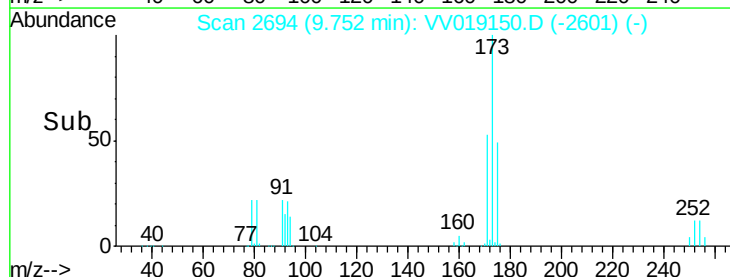
150000

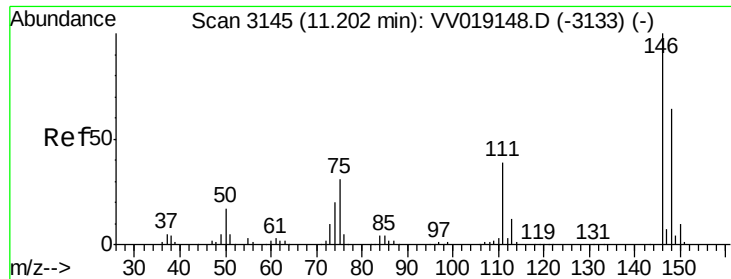
100000

50000

0

Time--> 9.70 9.75 9.80 9.85

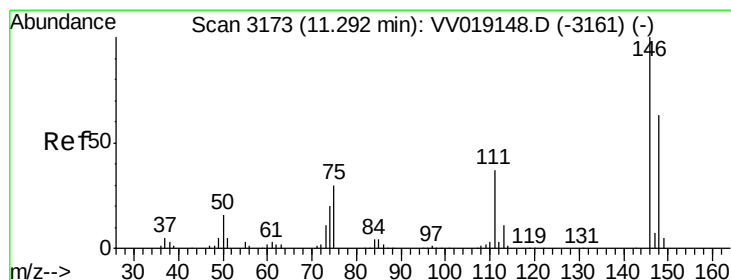
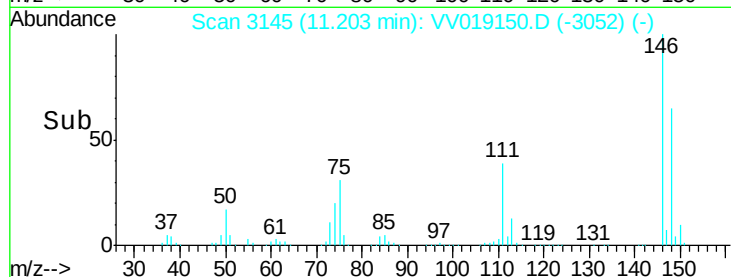
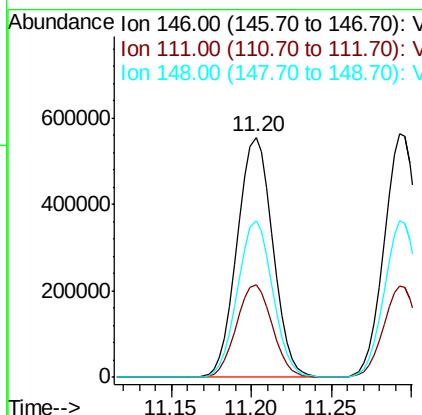
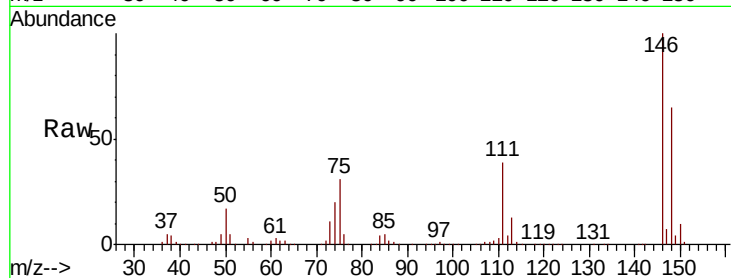




#62
 1,3-Dichlorobenzene
 Concen: 200.571 ug/L
 RT: 11.20 min Scan# 3145
 Delta R.T. 0.00 min
 Lab File: VV019150.D
 Acq: 29 Oct 2020 15:40

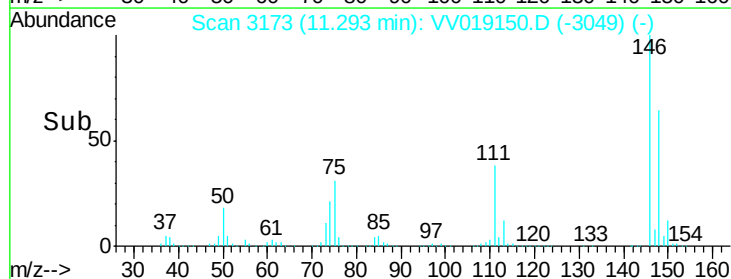
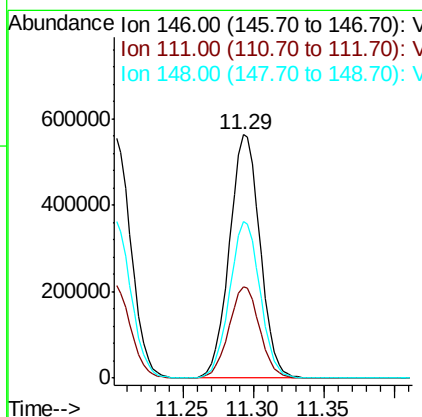
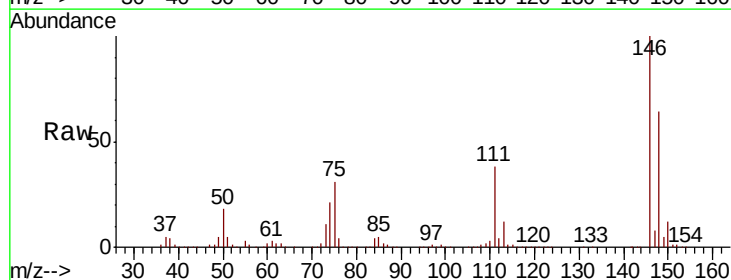
Instrument :
 MSVOA_V
 ClientSampleId :

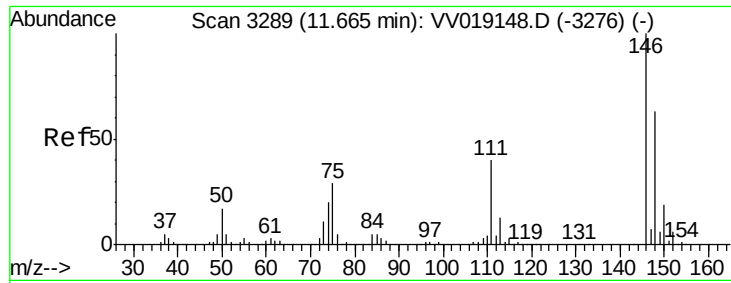
Tot Ion	Ratio	Lower	Upper
146	100		
111	38.5	27.1	50.3
148	65.1	44.7	83.1



#63
 1,4-Dichlorobenzene
 Concen: 194.716 ug/L
 RT: 11.29 min Scan# 3173
 Delta R.T. 0.00 min
 Lab File: VV019150.D
 Acq: 29 Oct 2020 15:40

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.7	25.8	48.0
148	64.3	44.0	81.6





#65

1,2-Dichlorobenzene

Concen: 197.844 ug/L

RT: 11.67 min Scan# 3289

Delta R.T. 0.00 min

Lab File: VV019150.D

Acq: 29 Oct 2020 15:40

Instrument :

MSVOA_V

ClientSampleId :

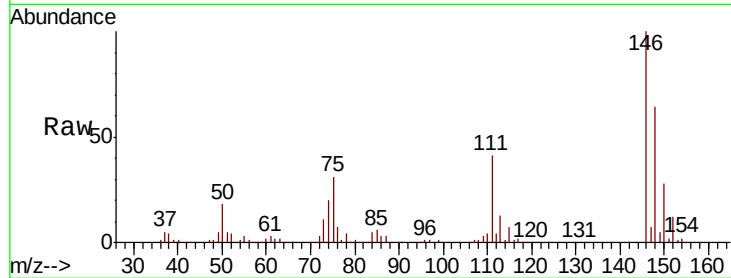
Tot Ion:146 Resp: 834803

Ion Ratio Lower Upper

146 100

111 40.5 32.2 48.4

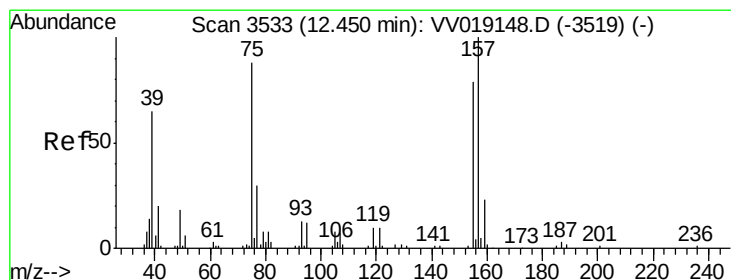
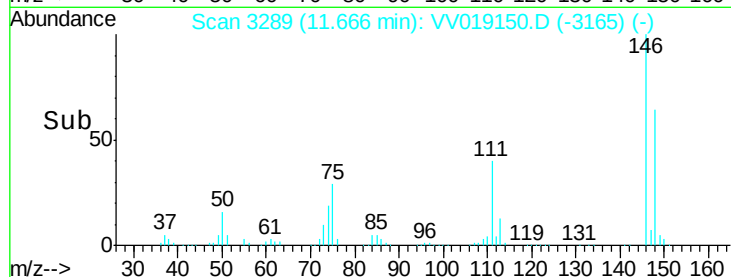
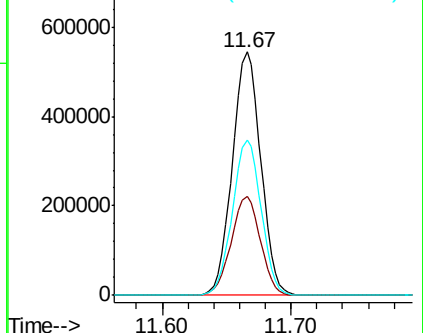
148 64.0 50.8 76.2



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#66

1,2-Dibromo-3-chloropropane

Concen: 200.975 ug/L

RT: 12.45 min Scan# 3533

Delta R.T. 0.00 min

Lab File: VV019150.D

Acq: 29 Oct 2020 15:40

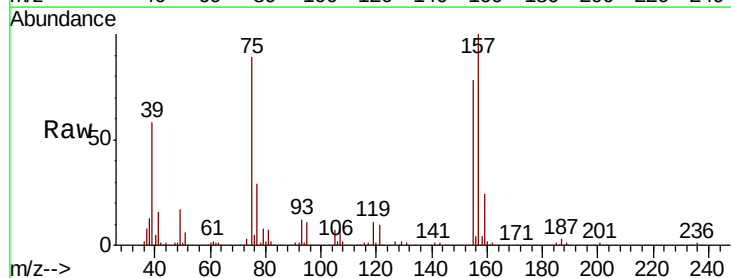
Tgt Ion: 75 Resp: 147604

Ion Ratio Lower Upper

75 100

155 87.7 71.1 106.7

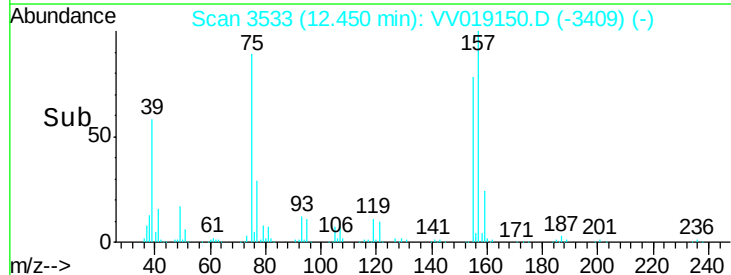
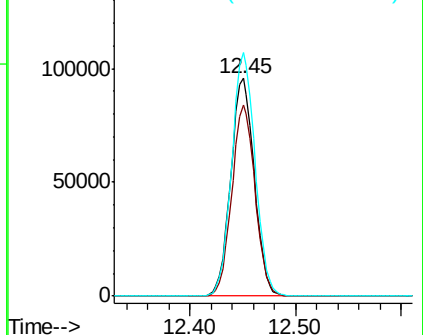
157 111.8 90.5 135.7

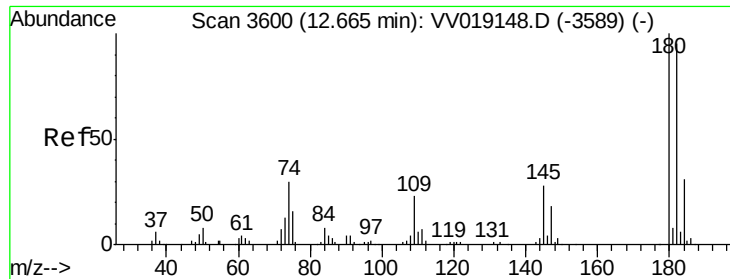


Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

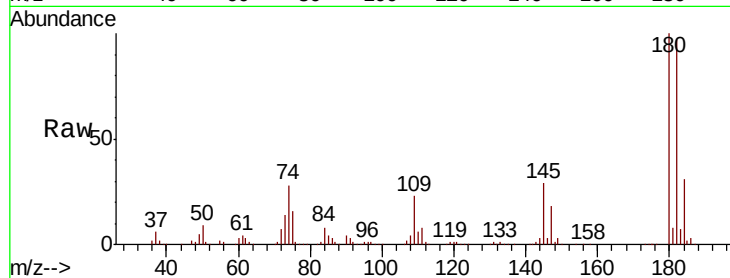




#67
 1,3,5-Trichlorobenzene
 Concen: 211.959 ug/L
 RT: 12.67 min Scan# 3601
 Delta R.T. 0.00 min
 Lab File: VV019150.D
 Acq: 29 Oct 2020 15:40

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.8	76.1	114.1
184	30.9	24.5	36.7
145	28.5	22.7	34.1



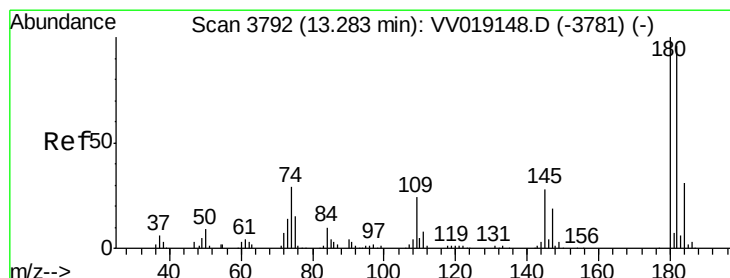
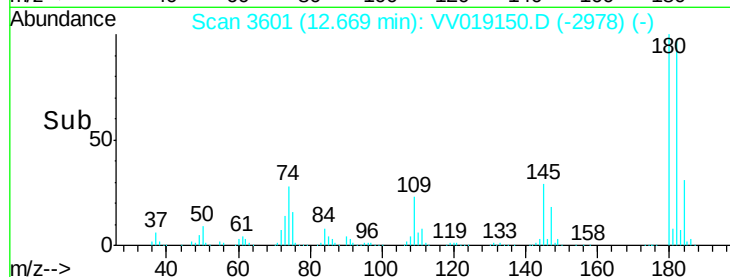
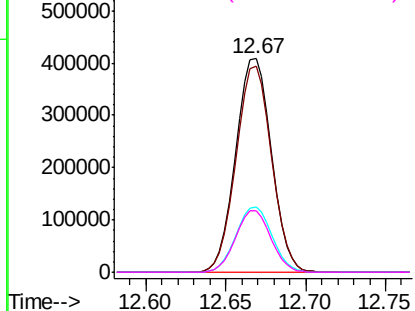
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

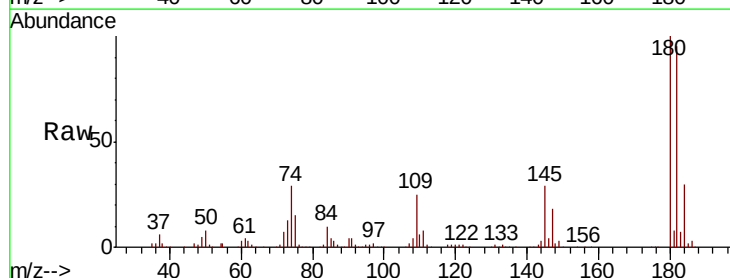
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 221.730 ug/L
 RT: 13.28 min Scan# 3792
 Delta R.T. 0.00 min
 Lab File: VV019150.D
 Acq: 29 Oct 2020 15:40

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.9	75.8	113.6
145	29.3	22.6	34.0

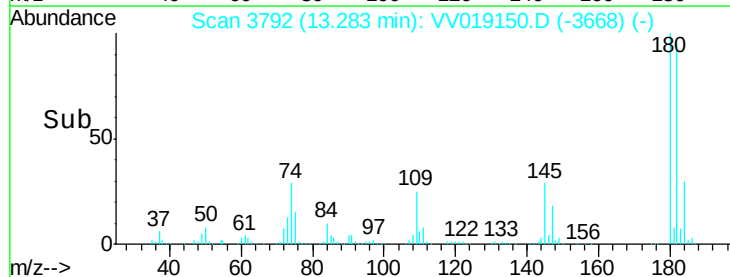
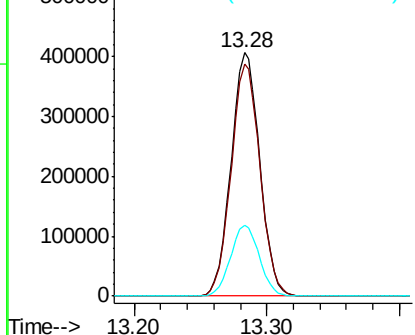


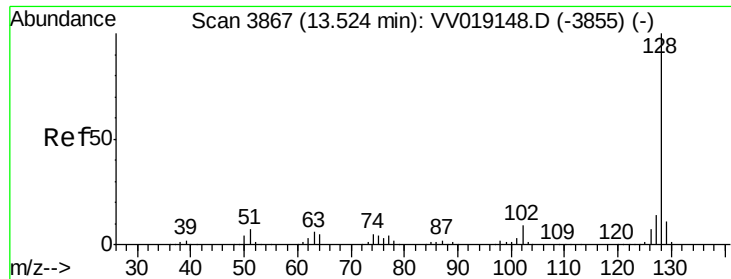
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V





#69

Naphthalene

Concen: 226.153 ug/L

RT: 13.52 min Scan# 3867

Delta R.T. 0.00 min

Lab File: VV019150.D

Acq: 29 Oct 2020 15:40

Instrument :

MSVOA_V

ClientSampleId :

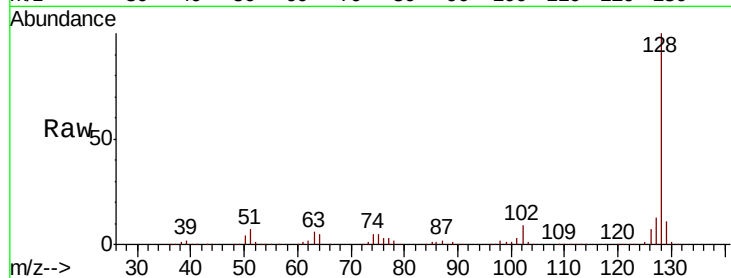
Tot Ion:128 Resp: 1869886

Ion Ratio Lower Upper

128 100

127 13.3 10.8 16.2

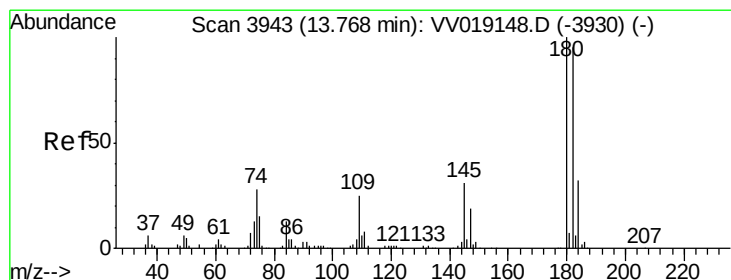
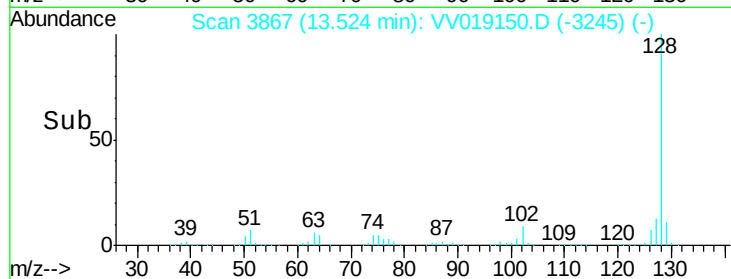
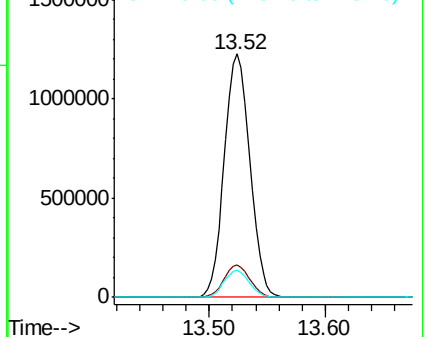
129 10.9 8.6 13.0



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



#70

1,2,3-Trichlorobenzene

Concen: 214.531 ug/L

RT: 13.77 min Scan# 3943

Delta R.T. 0.00 min

Lab File: VV019150.D

Acq: 29 Oct 2020 15:40

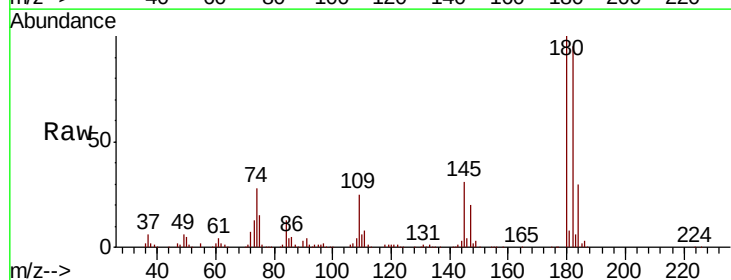
Tgt Ion:180 Resp: 593043

Ion Ratio Lower Upper

180 100

182 95.2 76.2 114.4

145 31.0 25.1 37.7



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

