

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV060320\
 Data File : VV016450.D
 Acq On : 03 Jun 2020 10:10
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Jun 04 01:00:48 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM060320WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Jun 03 01:20:33 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	394620	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	385391	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	196774	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	139068	49.75	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	99.50%
7) Chloroethane-d5	1.58	69	89095	44.15	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	88.30%
11) 1,1-Dichloroethene-d2	2.13	63	246419	49.73	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	99.46%
21) 2-Butanone-d5	3.90	46	188619	105.54	ug/L	-0.01
Spiked Amount	100.000	Range	40 - 130	Recovery	=	105.54%
24) Chloroform-d	4.38	84	240477	45.85	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	91.70%
26) 1,2-Dichloroethane-d4	5.06	65	179601	51.13	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	102.26%
32) Benzene-d6	5.08	84	514008	49.79	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	99.58%
36) 1,2-Dichloropropane-d6	6.09	67	158621	49.31	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	98.62%
41) Toluene-d8	7.34	98	476913	50.87	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	101.74%
43) trans-1,3-Dichloropropene-	7.64	79	74046	47.23	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	94.46%
47) 2-Hexanone-d5	8.11	63	140070	101.68	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	101.68%
57) 1,1,2,2-Tetrachloroethane-	10.24	84	215741	49.45	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	98.90%
64) 1,2-Dichlorobenzene-d4	11.65	152	183834	49.71	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	99.42%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.14	85	166183	51.040	ug/L 98
3) Chloromethane	1.25	50	158559	50.544	ug/L 99
5) Vinyl chloride	1.32	62	154156	50.859	ug/L 100
6) Bromomethane	1.53	94	71137	45.114	ug/L 98
8) Chloroethane	1.60	64	78351	46.125	ug/L 95
9) Trichlorofluoromethane	1.77	101	225286	51.468	ug/L 98
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	115528	50.745	ug/L 99
12) 1,1-Dichloroethene	2.14	96	113393	51.757	ug/L 94
13) Acetone	2.18	43	124536	74.557	ug/L 98
14) Carbon disulfide	2.31	76	389145	51.305	ug/L 98
15) Methyl Acetate	2.44	43	160598	52.311	ug/L 99
16) Methylene chloride	2.53	84	152021	49.219	ug/L 97
17) trans-1,2-Dichloroethene	2.78	96	141923	51.341	ug/L 98
18) Methyl tert-butyl Ether	2.78	73	447895	52.337	ug/L 100
19) 1,1-Dichloroethane	3.21	63	260498	50.954	ug/L 99
22) 2-Butanone	3.99	43	209873	101.254	ug/L 97
23) Bromochloromethane	4.28	128	79525	51.804	ug/L 99

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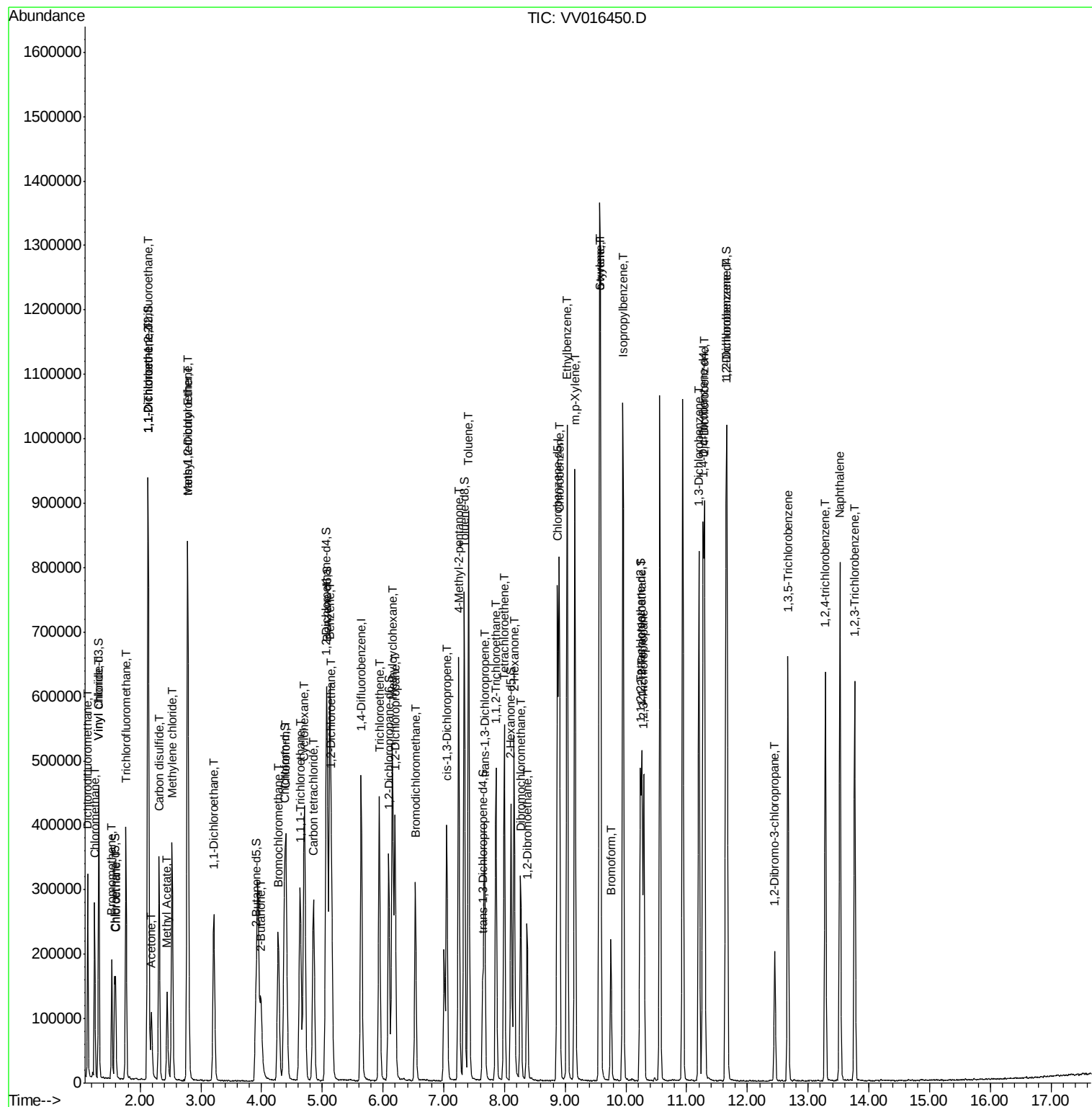
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
25) Chloroform	4.40	83	295880	55.218	ug/L	99
27) 1,2-Dichloroethane	5.15	62	218915	50.279	ug/L	98
29) Cyclohexane	4.70	56	235118	51.402	ug/L	100
30) 1,1,1-Trichloroethane	4.63	97	237790	50.628	ug/L	99
31) Carbon tetrachloride	4.86	117	204666	50.667	ug/L	100
33) Benzene	5.13	78	576323	50.848	ug/L	100
34) Trichloroethene	5.94	95	150496	50.603	ug/L	96
35) Methylcyclohexane	6.15	83	212519	49.783	ug/L	100
37) 1,2-Dichloropropane	6.20	63	149094	50.467	ug/L	99
38) Bromodichloromethane	6.53	83	196503	51.768	ug/L	98
39) cis-1,3-Dichloropropene	7.05	75	222765	51.716	ug/L	99
40) 4-Methyl-2-pentanone	7.24	43	430905	106.004	ug/L	99
42) Toluene	7.41	91	618569	51.503	ug/L	100
44) trans-1,3-Dichloropropene	7.67	75	213129	50.429	ug/L	100
45) 1,1,2-Trichloroethane	7.86	97	143242	50.144	ug/L	99
46) Tetrachloroethene	8.00	164	116571	50.836	ug/L	97
48) 2-Hexanone	8.16	43	330810	104.678	ug/L	98
49) Dibromochloromethane	8.27	129	150802	54.301	ug/L	99
50) 1,2-Dibromoethane	8.37	107	153942	50.944	ug/L	99
51) Chlorobenzene	8.90	112	394824	50.018	ug/L	99
52) Ethylbenzene	9.03	91	680326	52.045	ug/L	99
53) m,p-Xylene	9.16	106	256687	52.077	ug/L	99
54) o-xylene	9.57	106	248361	52.027	ug/L	99
55) Styrene	9.58	104	446199	53.356	ug/L	100
56) Isopropylbenzene	9.95	105	647416	52.213	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.26	83	229961	50.183	ug/L	99
59) 1,2,3-Trichloropropane	10.30	75	181168	49.143	ug/L	99
61) Bromoform	9.75	173	91163	55.329	ug/L	98
62) 1,3-Dichlorobenzene	11.20	146	312601	51.274	ug/L	98
63) 1,4-Dichlorobenzene	11.30	146	315711	49.908	ug/L	99
65) 1,2-Dichlorobenzene	11.67	146	307629	50.131	ug/L	98
66) 1,2-Dibromo-3-chloropropan	12.45	75	47403	50.902	ug/L	99
67) 1,3,5-Trichlorobenzene	12.67	180	193669	47.217	ug/L	99
68) 1,2,4-trichlorobenzene	13.28	180	179657	47.312	ug/L	99
69) Naphthalene	13.52	128	592782	50.859	ug/L	100
70) 1,2,3-Trichlorobenzene	13.77	180	177511	49.176	ug/L	99

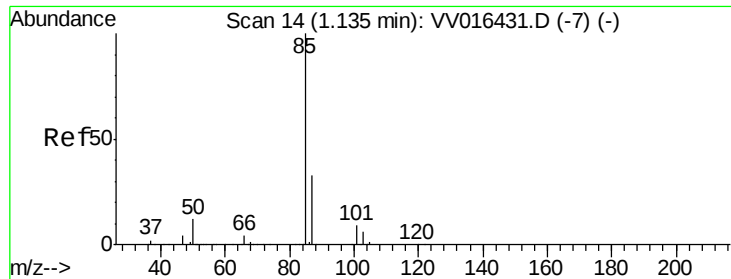
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 51.040 ug/L

RT: 1.14 min Scan# 14

Delta R.T. 0.00 min

Lab File: VV016450.D

Acq: 03 Jun 2020 10:10

Instrument :

MSVOA_V

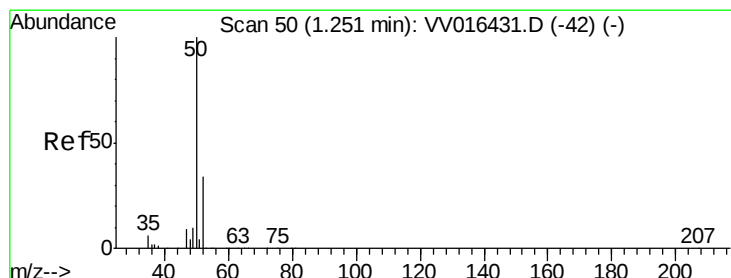
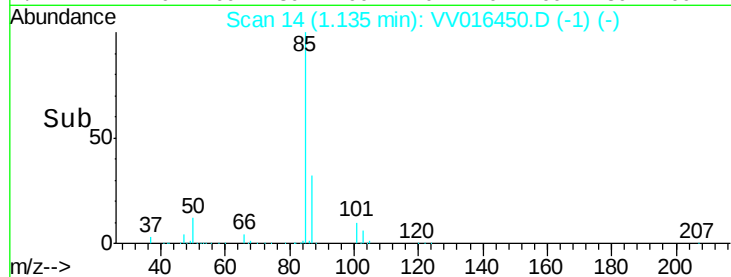
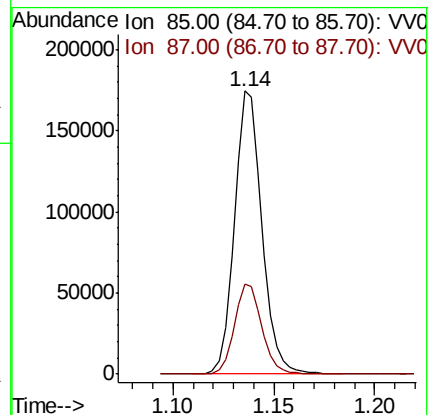
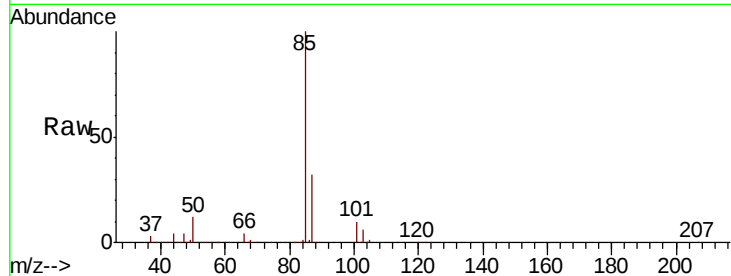
ClientSampleId :

Tot Ion: 85 Resp: 166183

Ion Ratio Lower Upper

85 100

87 31.9 26.2 39.2



#3

Chloromethane

Concen: 50.544 ug/L

RT: 1.25 min Scan# 50

Delta R.T. 0.00 min

Lab File: VV016450.D

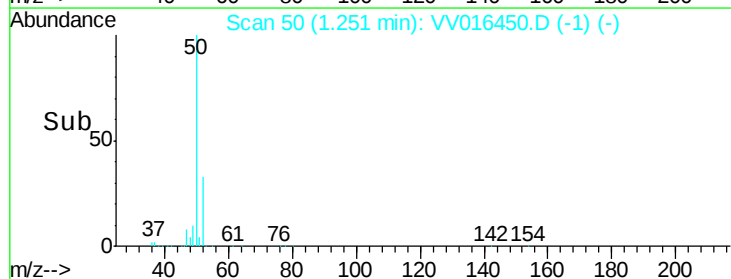
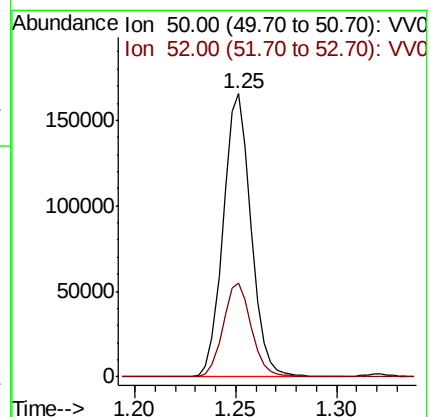
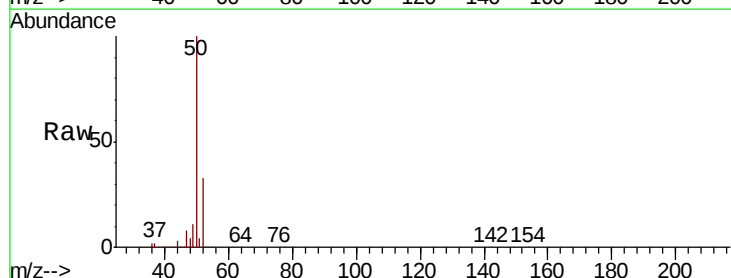
Acq: 03 Jun 2020 10:10

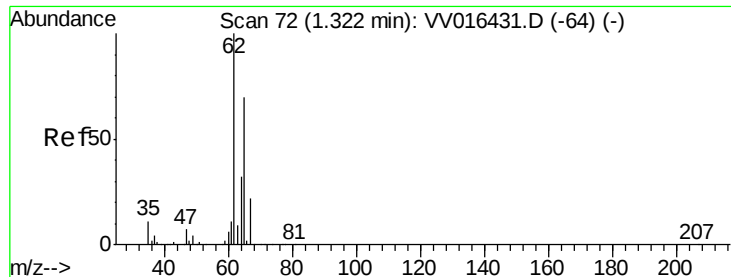
Tgt Ion: 50 Resp: 158559

Ion Ratio Lower Upper

50 100

52 33.2 23.5 43.7





#5

Vinyl chloride

Concen: 50.859 ug/L

RT: 1.32 min Scan# 72

Delta R.T. 0.00 min

Lab File: VV016450.D

Acq: 03 Jun 2020 10:10

Instrument :

MSVOA_V

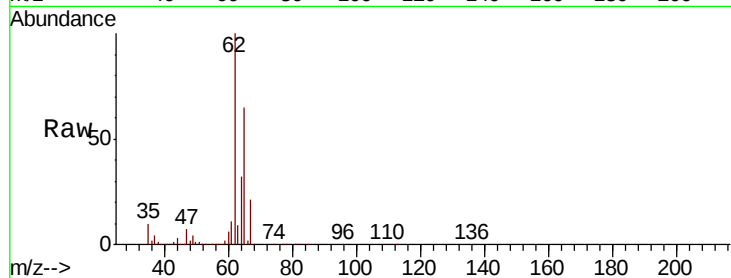
ClientSampleId :

Tot Ion: 62 Resp: 154156

Ion Ratio Lower Upper

62 100

64 32.5 22.7 42.1



Abundance Ion 62.00 (61.70 to 62.70): VV016450.D (-64) (-)

Ion 64.00 (63.70 to 64.70): VV016450.D (-64) (-)

1.32

150000

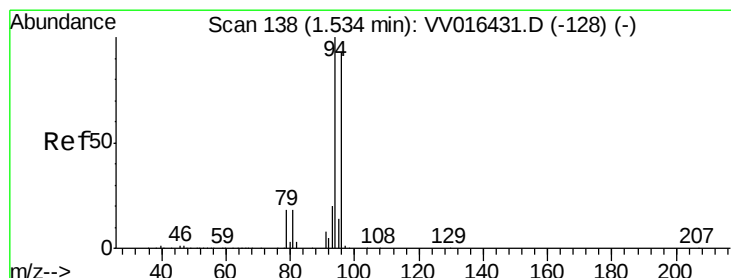
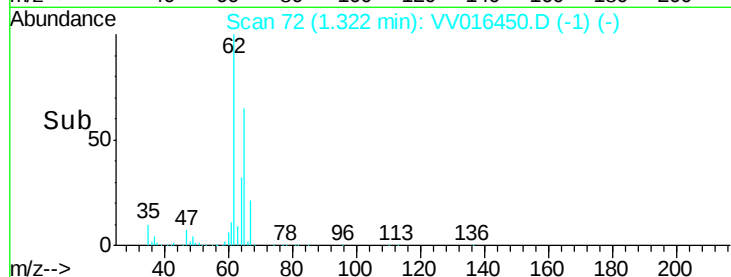
100000

50000

0

1.30 1.35

Time-->



#6

Bromomethane

Concen: 45.114 ug/L

RT: 1.53 min Scan# 138

Delta R.T. 0.00 min

Lab File: VV016450.D

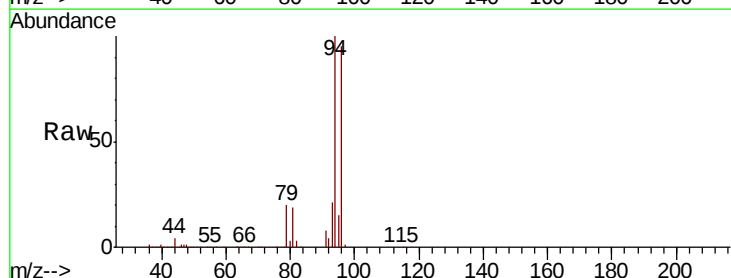
Acq: 03 Jun 2020 10:10

Tgt Ion: 94 Resp: 71137

Ion Ratio Lower Upper

94 100

96 94.9 65.1 120.9



Abundance Ion 94.00 (93.70 to 94.70): VV016450.D (-128) (-)

Ion 96.00 (95.70 to 96.70): VV016450.D (-128) (-)

1.53

60000

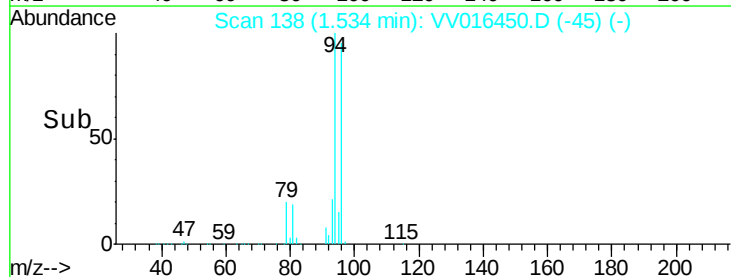
40000

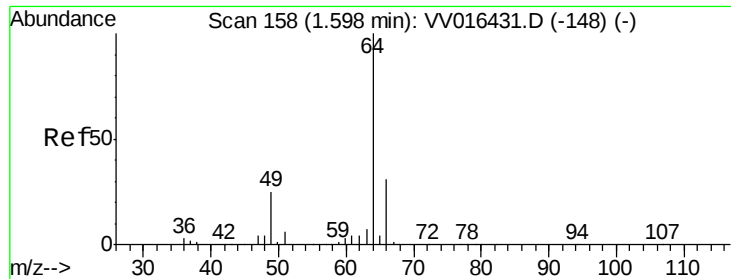
20000

0

1.50 1.55 1.60

Time-->





#8

Chloroethane

Concen: 46.125 ug/L

RT: 1.60 min Scan# 158

Delta R.T. 0.00 min

Lab File: VV016450.D

Acq: 03 Jun 2020 10:10

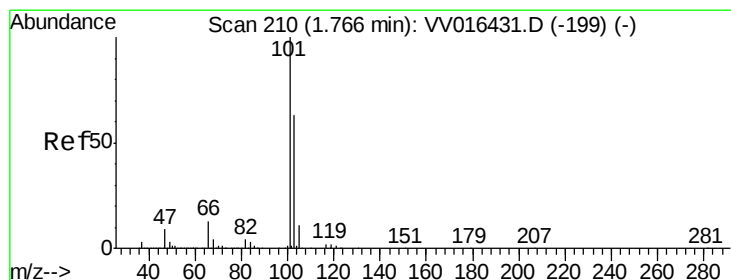
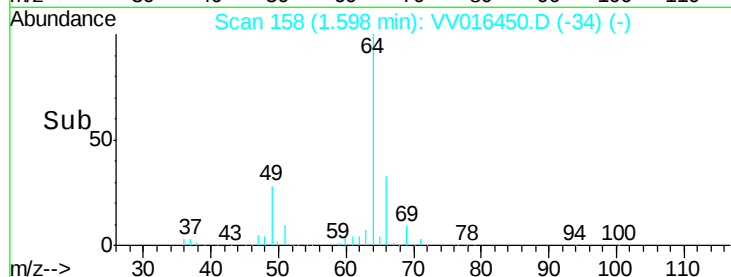
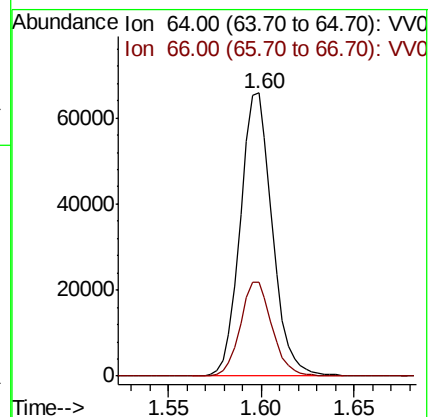
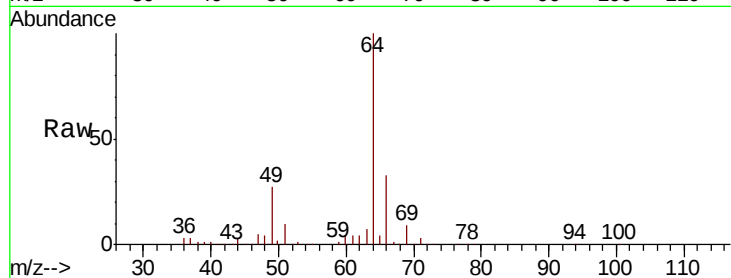
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 64 Resp: 78351

Ion Ratio Lower Upper

64 100

66 33.3 21.4 39.8



#9

Trichlorofluoromethane

Concen: 51.468 ug/L

RT: 1.77 min Scan# 210

Delta R.T. 0.00 min

Lab File: VV016450.D

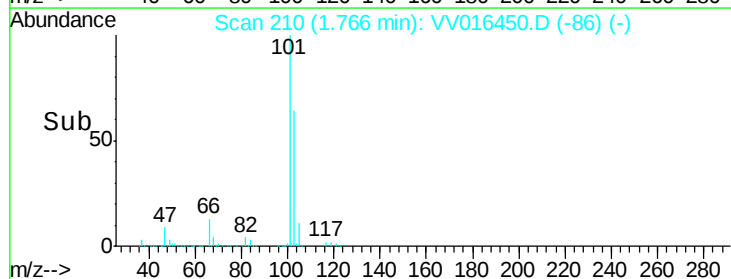
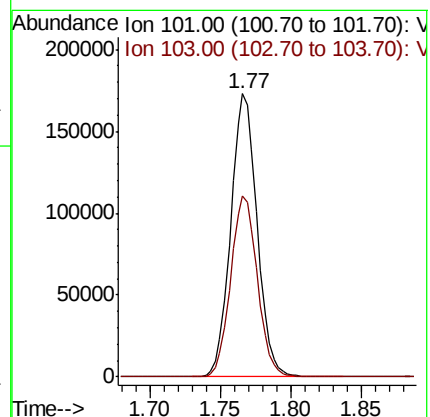
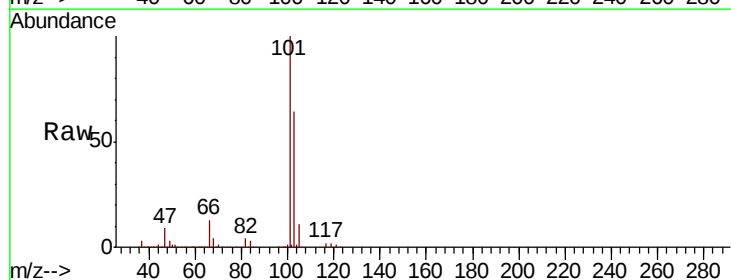
Acq: 03 Jun 2020 10:10

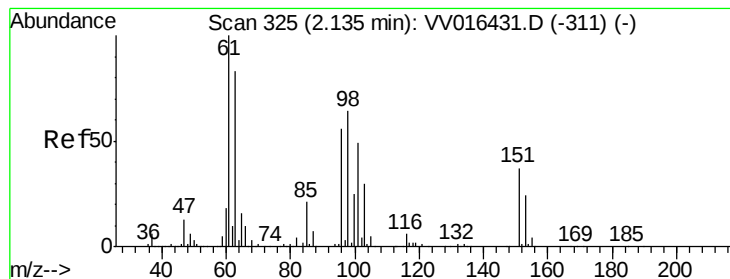
Tgt Ion: 101 Resp: 225286

Ion Ratio Lower Upper

101 100

103 65.0 50.9 76.3





#10

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

Concen: 50.745 ug/L

RT: 2.13 min Scan# 324

Delta R.T. -0.00 min

Lab File: VV016450.D

Acq: 03 Jun 2020 10:10

Instrument :

MSVOA_V

ClientSampled :

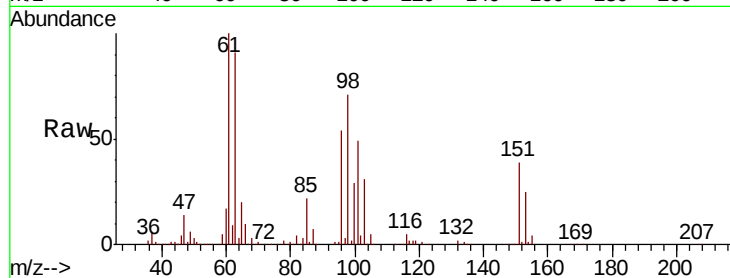
Tot Ion:101 Resp: 115528

Ion Ratio Lower Upper

101 100

85 43.3 35.6 53.4

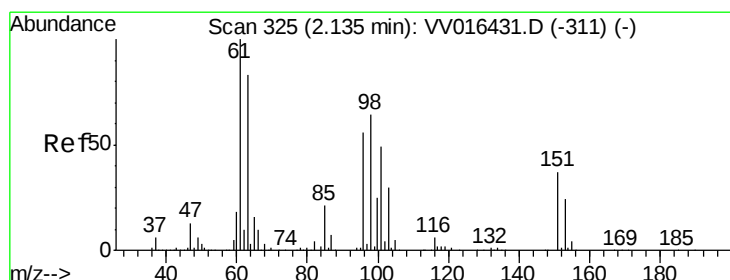
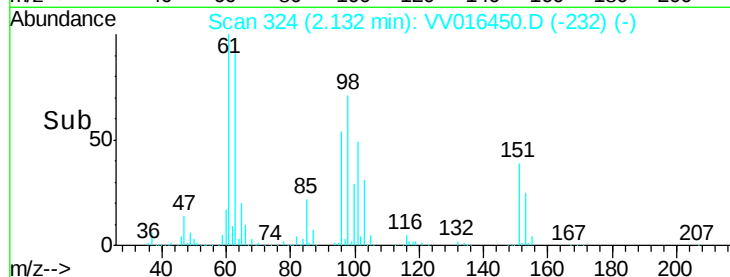
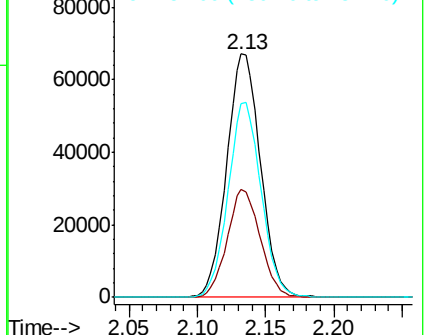
151 78.3 61.8 92.8



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VV0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 51.757 ug/L

RT: 2.14 min Scan# 325

Delta R.T. 0.00 min

Lab File: VV016450.D

Acq: 03 Jun 2020 10:10

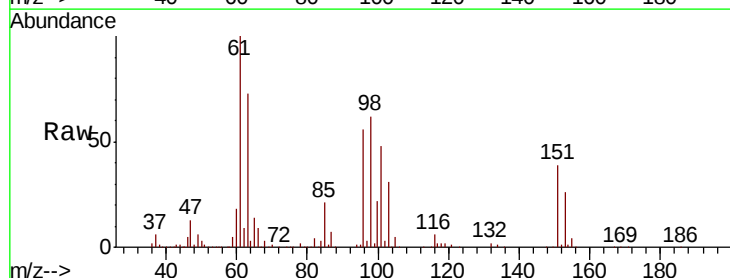
Tgt Ion: 96 Resp: 113393

Ion Ratio Lower Upper

96 100

61 179.7 125.5 233.1

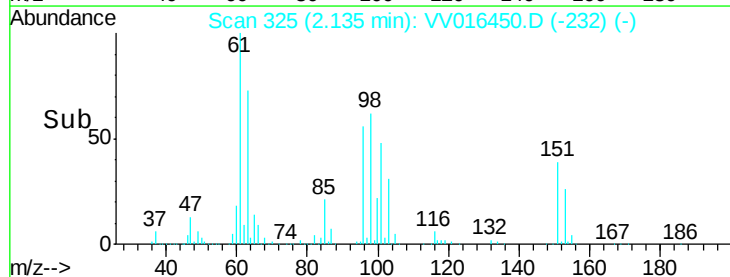
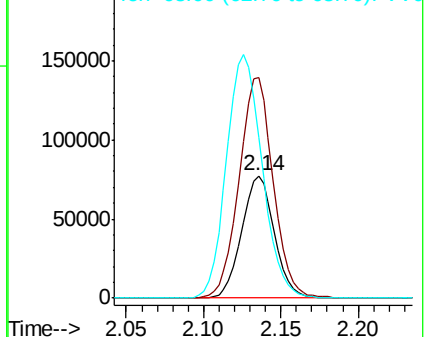
63 131.1 104.0 193.1

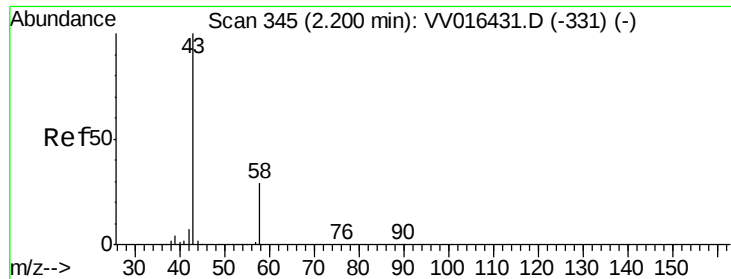


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.00 (60.70 to 61.70): VV0

Ion 63.00 (62.70 to 63.70): VV0





#13

Acetone

Concen: 74.557 ug/L

RT: 2.18 min Scan# 340

Delta R.T. -0.02 min

Lab File: VV016450.D

Acq: 03 Jun 2020 10:10

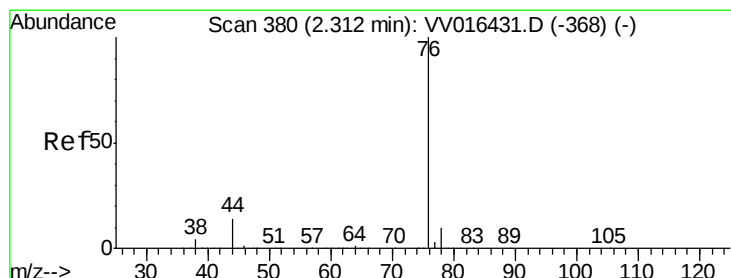
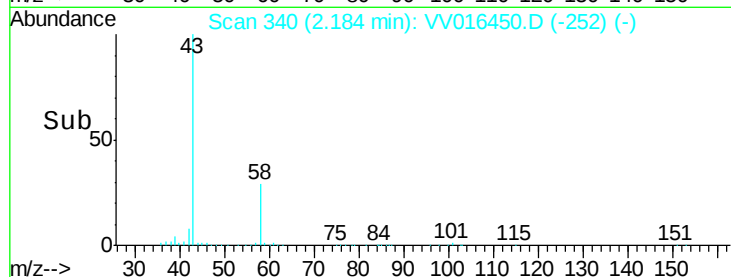
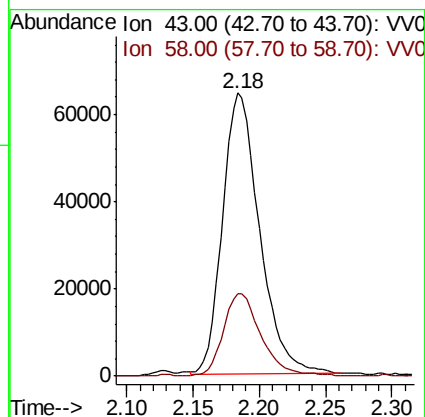
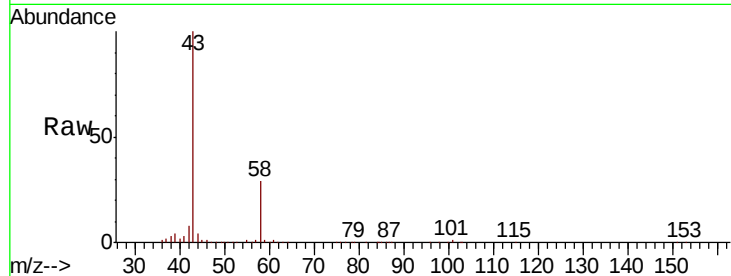
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 43 Resp: 124536

Ion Ratio Lower Upper

43 100

58 29.9 0.0 57.2



#14

Carbon disulfide

Concen: 51.305 ug/L

RT: 2.31 min Scan# 380

Delta R.T. 0.00 min

Lab File: VV016450.D

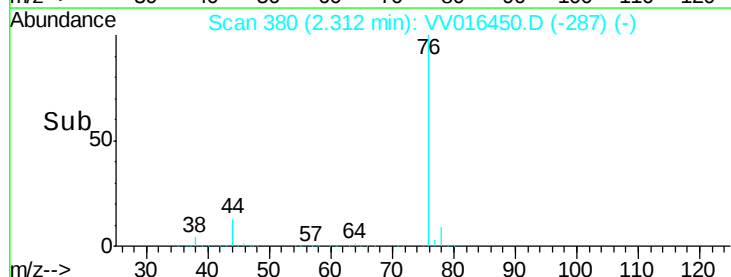
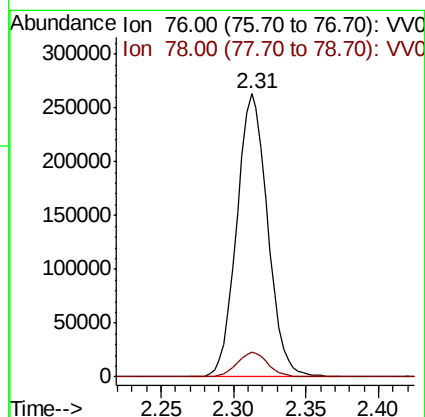
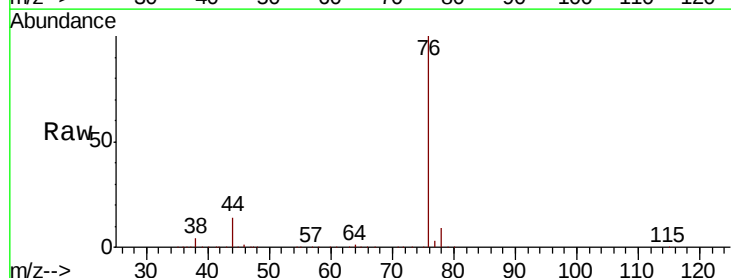
Acq: 03 Jun 2020 10:10

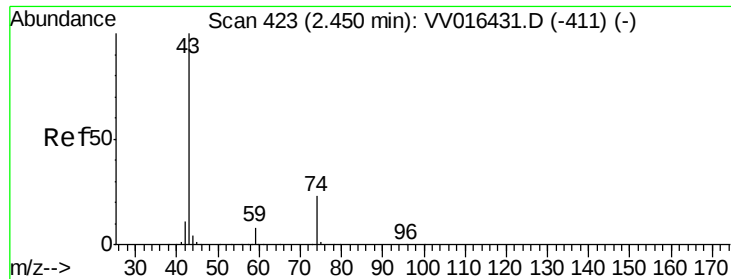
Tgt Ion: 76 Resp: 389145

Ion Ratio Lower Upper

76 100

78 8.6 7.6 11.4

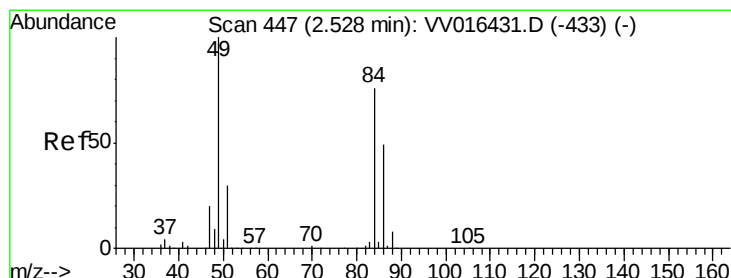
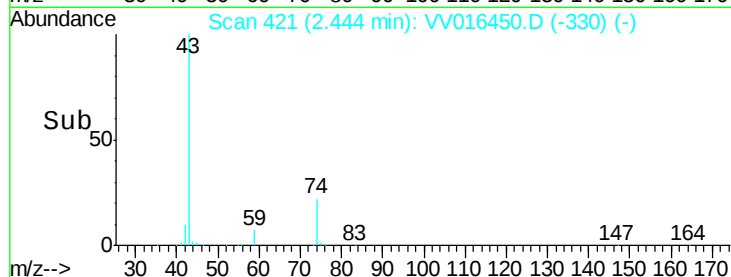
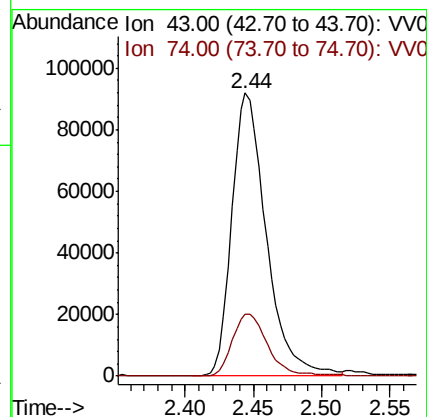
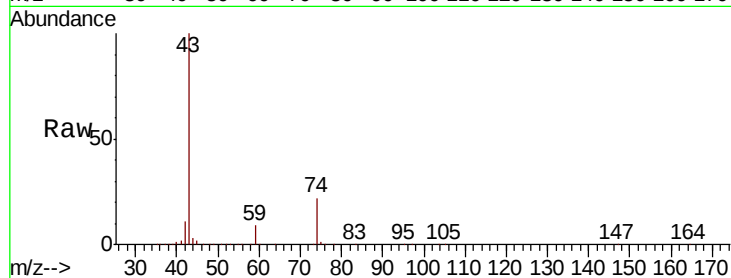




#15
Methvl Acetate
Concen: 52.311 ug/L
RT: 2.44 min Scan# 421
Delta R.T. -0.01 min
Lab File: VV016450.D
Acq: 03 Jun 2020 10:10

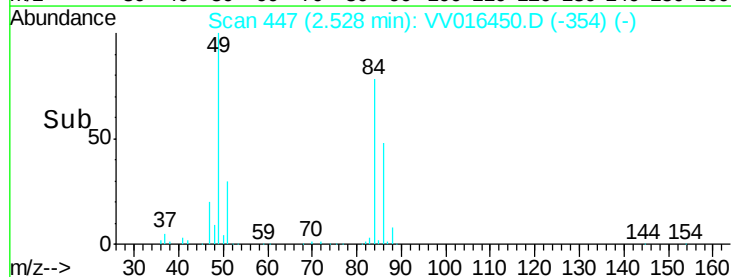
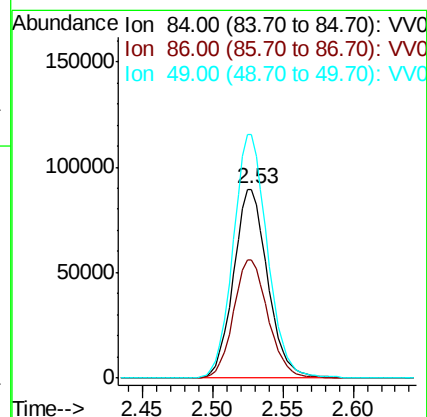
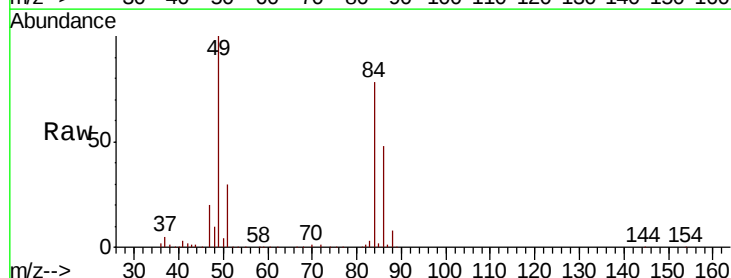
Instrument :
MSVOA_V
ClientSampled :

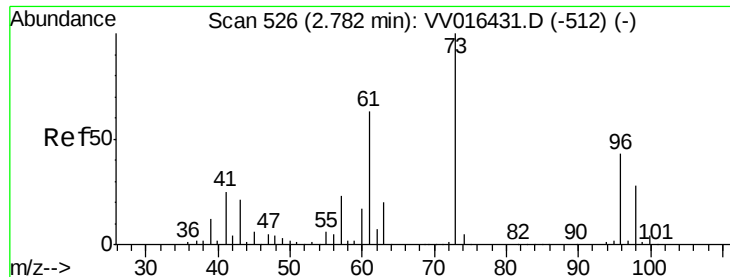
Tot Ion: 43 Resp: 160598
Ion Ratio Lower Upper
43 100
74 22.9 18.1 27.1



#16
Methylene chloride
Concen: 49.219 ug/L
RT: 2.53 min Scan# 447
Delta R.T. 0.00 min
Lab File: VV016450.D
Acq: 03 Jun 2020 10:10

Tgt Ion: 84 Resp: 152021
Ion Ratio Lower Upper
84 100
86 62.4 45.1 83.9
49 128.9 92.4 171.6

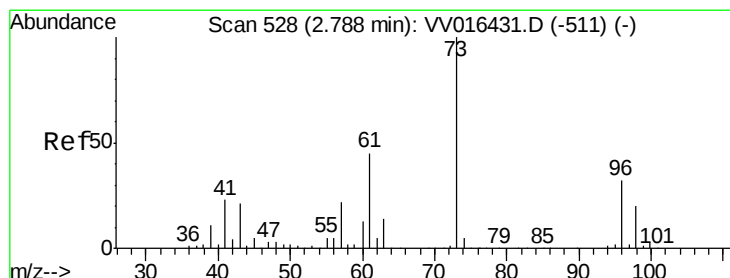
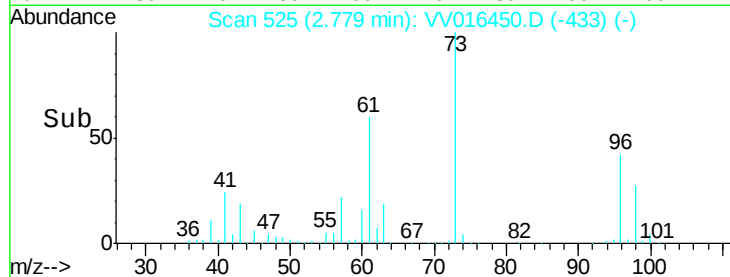
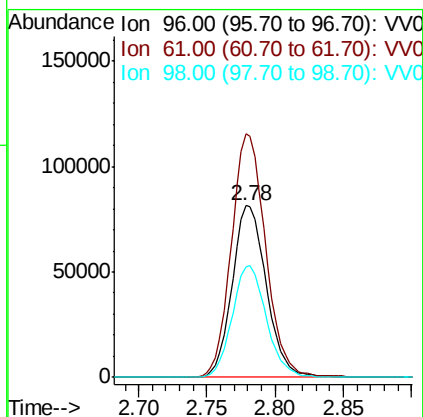
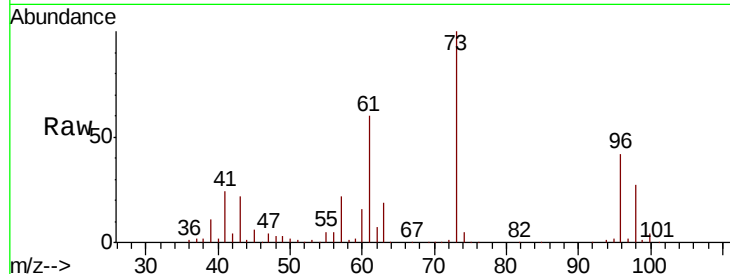




#17
trans-1,2-Dichloroethene
Concen: 51.341 ug/L
RT: 2.78 min Scan# 525
Delta R.T. -0.00 min
Lab File: VV016450.D
Acq: 03 Jun 2020 10:10

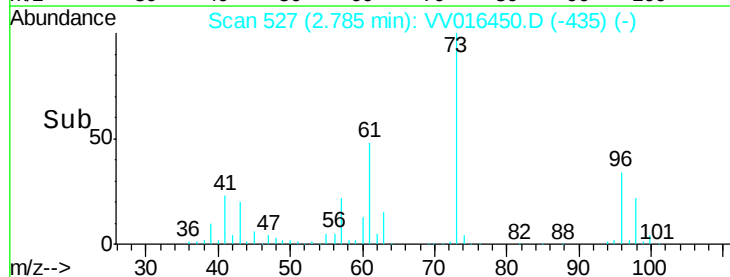
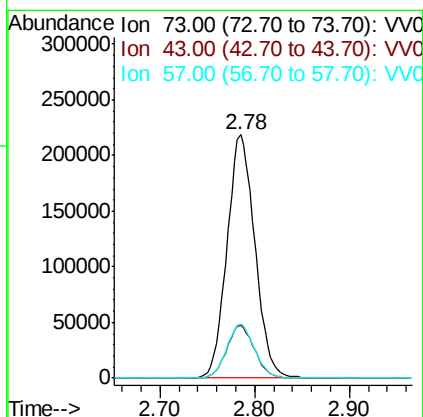
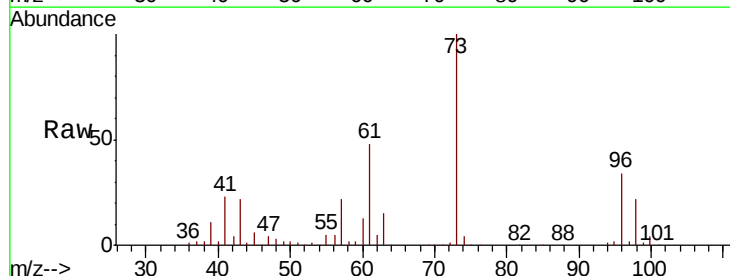
Instrument :
MSVOA_V
ClientSampleId :

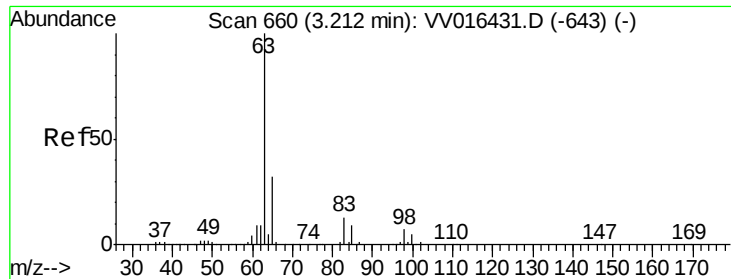
Tot Ion: 96 Resp: 141923
Ion Ratio Lower Upper
96 100
61 141.8 101.0 187.6
98 64.5 44.7 83.1



#18
Methyl tert-butyl Ether
Concen: 52.337 ug/L
RT: 2.78 min Scan# 527
Delta R.T. -0.00 min
Lab File: VV016450.D
Acq: 03 Jun 2020 10:10

Tgt Ion: 73 Resp: 447895
Ion Ratio Lower Upper
73 100
43 21.5 17.0 25.4
57 22.2 17.8 26.8

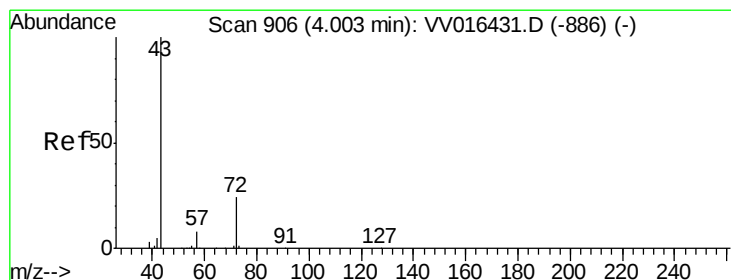
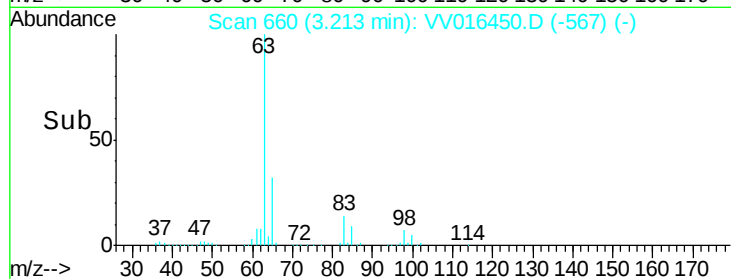
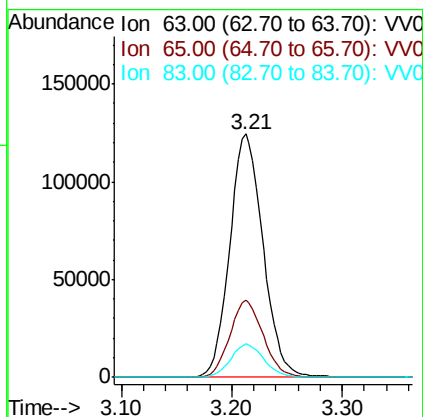
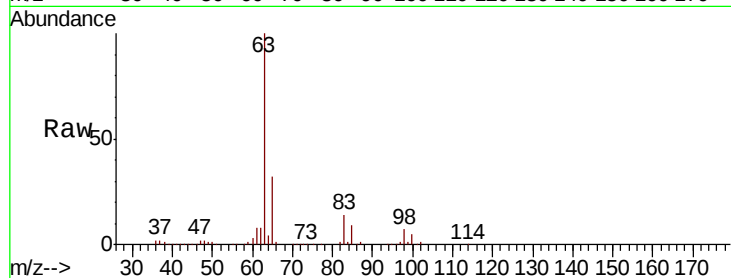




#19
 1,1-Dichloroethane
 Concen: 50.954 ug/L
 RT: 3.21 min Scan# 660
 Delta R.T. 0.00 min
 Lab File: VV016450.D
 Acq: 03 Jun 2020 10:10

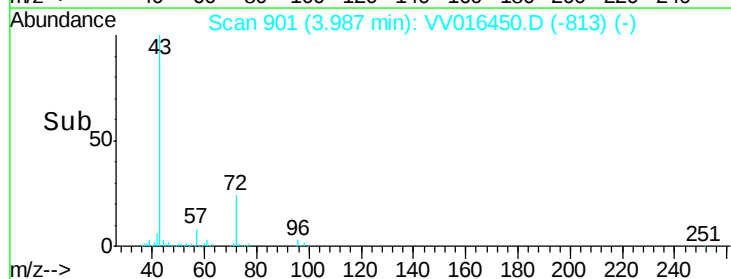
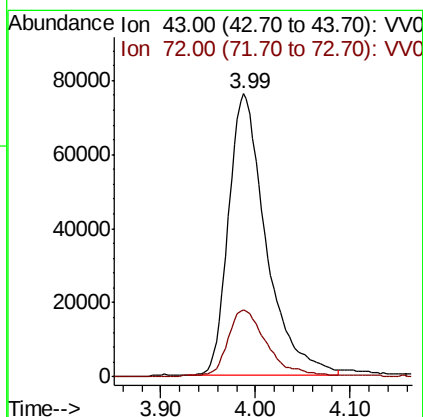
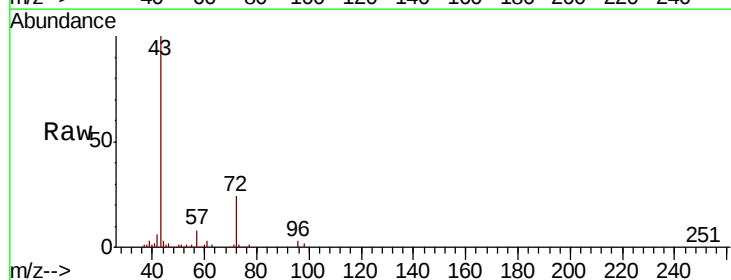
Instrument :
 MSVOA_V
 ClientSampleId :

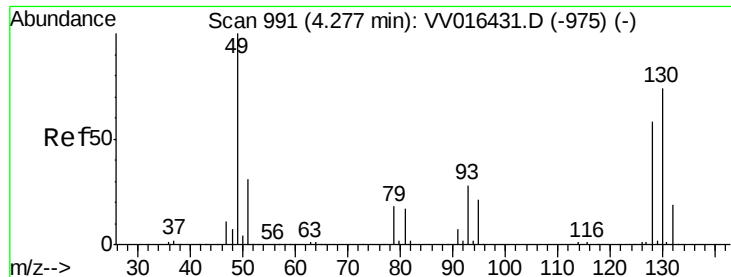
Tot Ion	Ratio	Lower	Upper
63	100		
65	31.8	22.2	41.2
83	13.6	9.1	16.9



#22
 2-Butanone
 Concen: 101.254 ug/L
 RT: 3.99 min Scan# 901
 Delta R.T. -0.02 min
 Lab File: VV016450.D
 Acq: 03 Jun 2020 10:10

Tgt Ion	Ratio	Lower	Upper
43	100		
72	24.1	12.8	38.3





#23

Bromochloromethane

Concen: 51.804 ug/L

RT: 4.28 min Scan# 991

Delta R.T. 0.00 min

Lab File: VV016450.D

Acq: 03 Jun 2020 10:10

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion:128 Resp: 79525

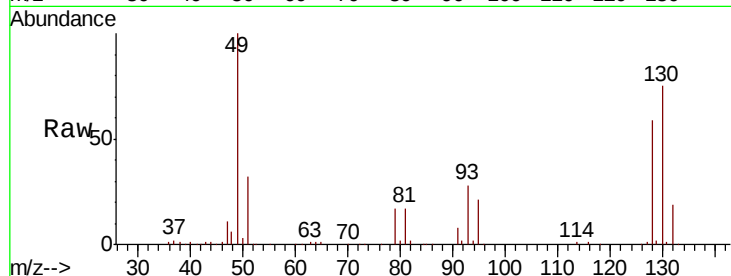
Ion Ratio Lower Upper

128 100

49 170.7 121.7 225.9

130 128.1 90.1 167.3

51 54.6 43.8 65.6

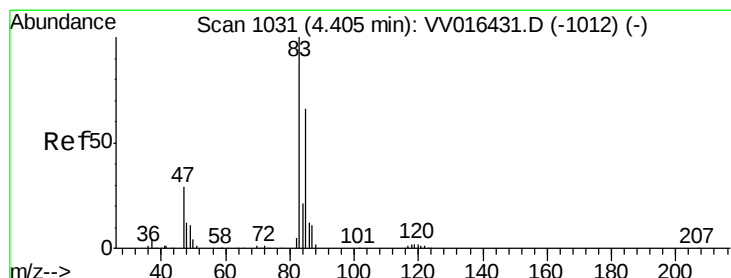
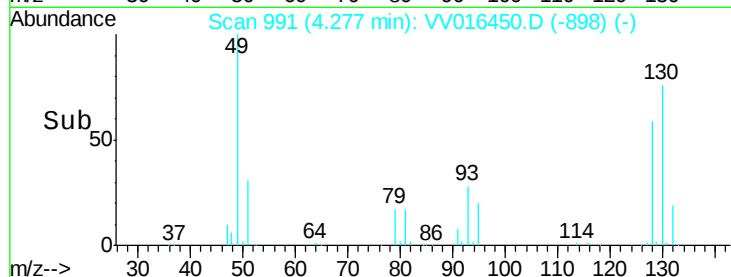
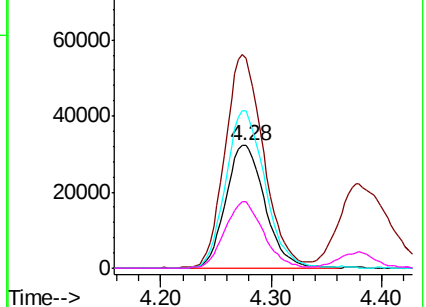


Abundance Ion 128.00 (127.70 to 128.70): V

Ion 49.00 (48.70 to 49.70): VV0

Ion 130.00 (129.70 to 130.70): V

Ion 51.00 (50.70 to 51.70): VV0



#25

Chloroform

Concen: 55.218 ug/L

RT: 4.40 min Scan# 1030

Delta R.T. -0.00 min

Lab File: VV016450.D

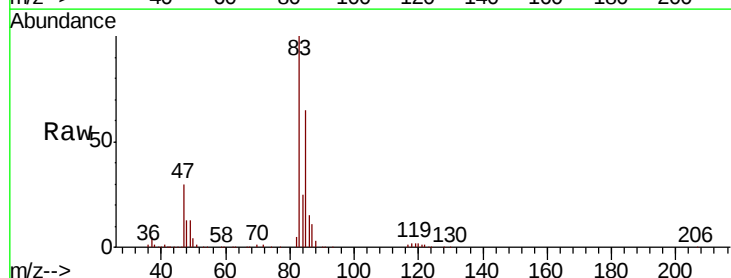
Acq: 03 Jun 2020 10:10

Tgt Ion: 83 Resp: 295880

Ion Ratio Lower Upper

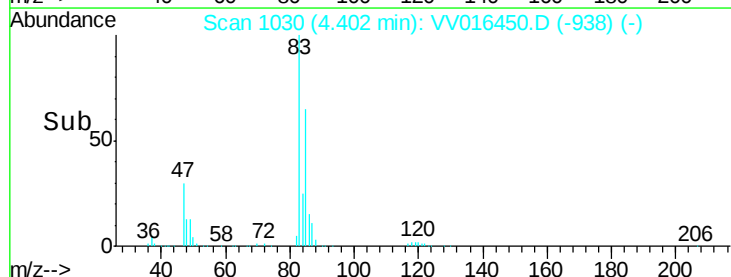
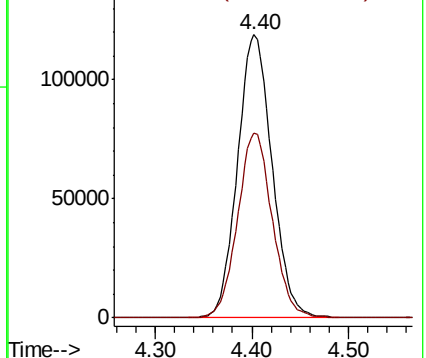
83 100

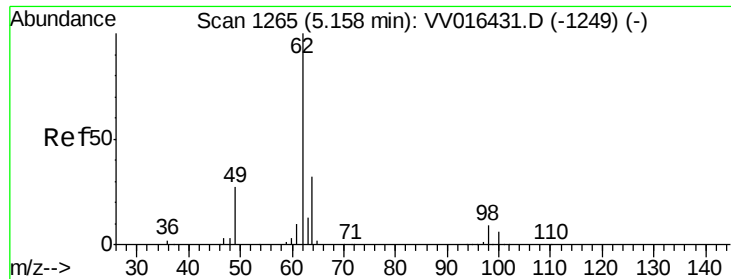
85 65.3 46.1 85.7



Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 85.00 (84.70 to 85.70): VV0





#27

1,2-Dichloroethane

Concen: 50.279 ug/L

RT: 5.15 min Scan# 1264

Delta R.T. -0.00 min

Lab File: VV016450.D

Acq: 03 Jun 2020 10:10

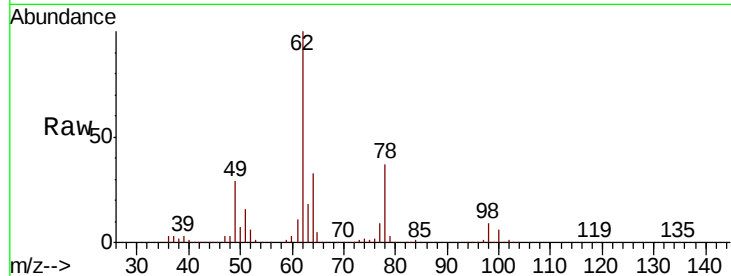
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 62 Resp: 218915

Ion Ratio Lower Upper

62 100

98 9.2 6.9 10.3



Abundance Ion 62.00 (61.70 to 62.70): VV016431.D (-1249) (-)

Ion 98.00 (97.70 to 98.70): VV016431.D (-1249) (-)

5.15

100000

80000

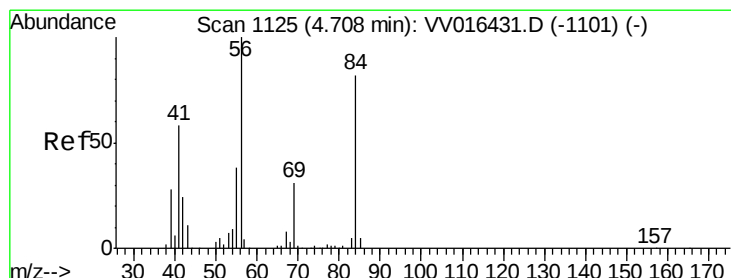
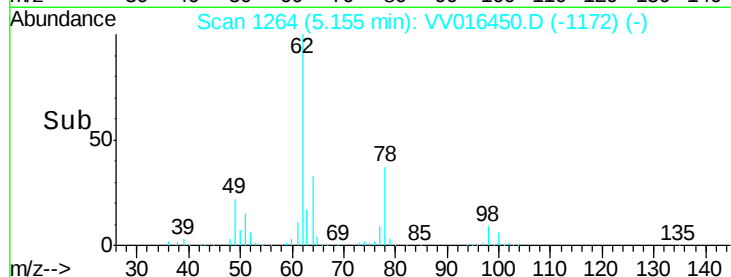
60000

40000

20000

0

Time-->



#29

Cyclohexane

Concen: 51.402 ug/L

RT: 4.70 min Scan# 1124

Delta R.T. -0.00 min

Lab File: VV016450.D

Acq: 03 Jun 2020 10:10

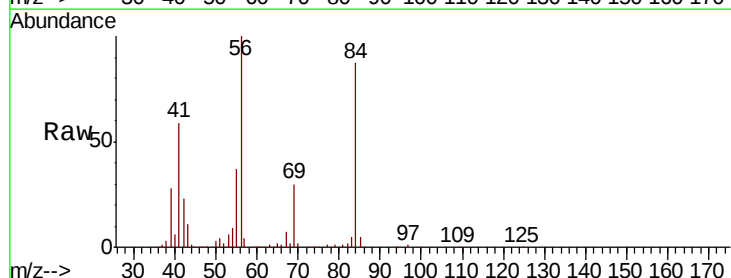
Tgt Ion: 56 Resp: 235118

Ion Ratio Lower Upper

56 100

69 29.8 23.9 35.9

84 84.7 68.2 102.2



Abundance Ion 56.00 (55.70 to 56.70): VV016431.D (-1101) (-)

Ion 69.00 (68.70 to 69.70): VV016431.D (-1101) (-)

Ion 84.00 (83.70 to 84.70): VV016431.D (-1101) (-)

4.70

120000

100000

80000

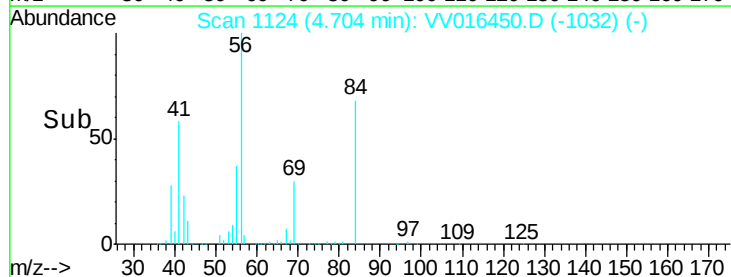
60000

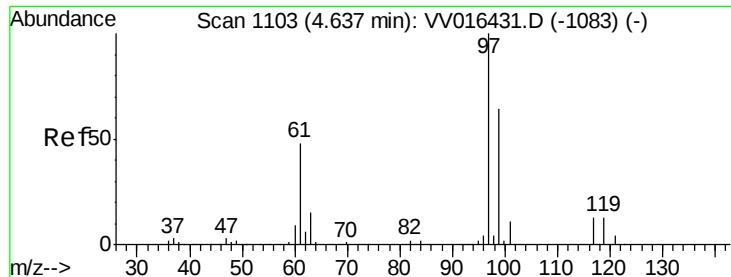
40000

20000

0

Time-->

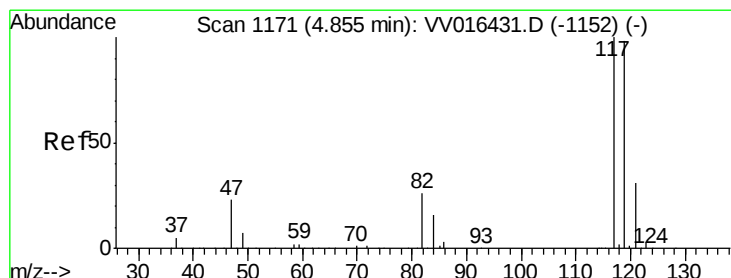
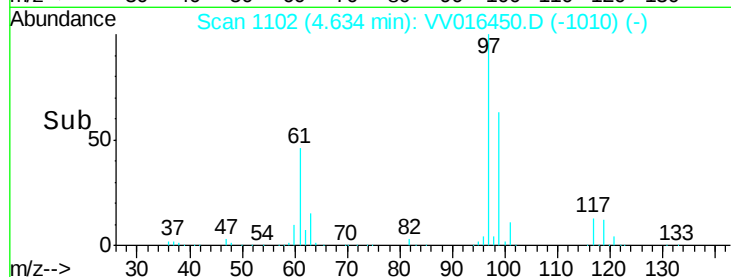
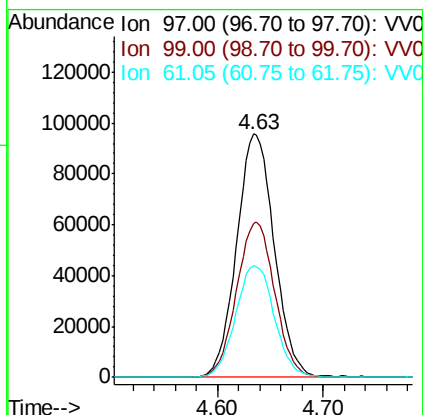
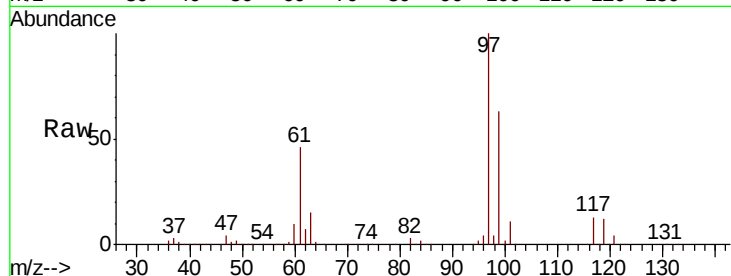




#30
1,1,1-Trichloroethane
Concen: 50.628 ug/L
RT: 4.63 min Scan# 1102
Delta R.T. -0.00 min
Lab File: VV016450.D
Acq: 03 Jun 2020 10:10

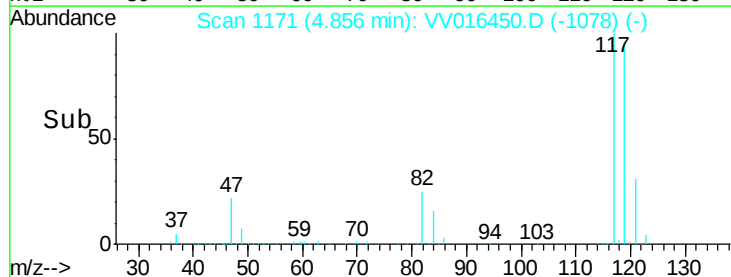
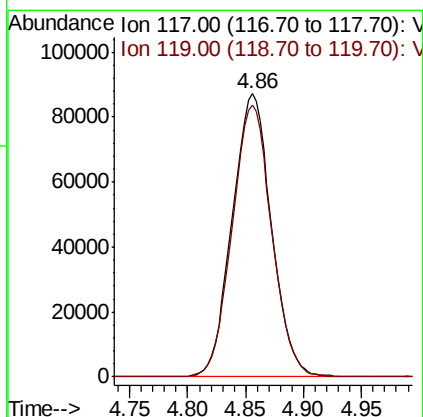
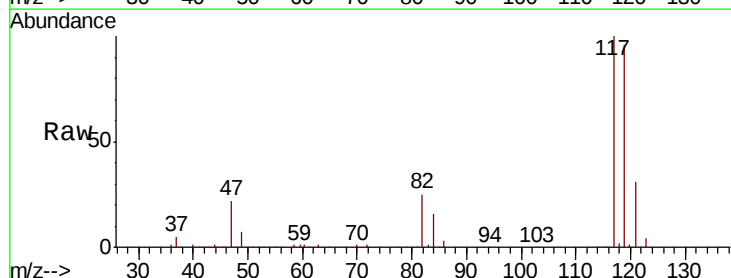
Instrument :
MSVOA_V
ClientSampleId :

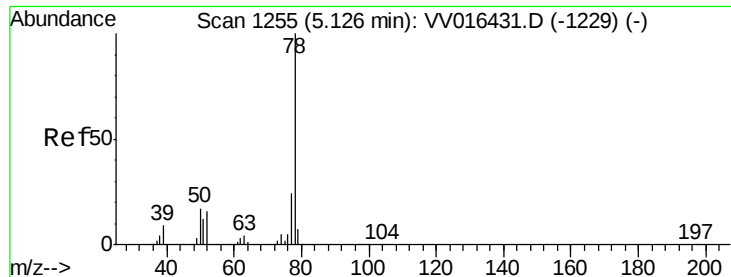
Tot Ion: 97 Resp: 237790
Ion Ratio Lower Upper
97 100
99 64.5 51.8 77.8
61 47.5 37.4 56.0



#31
Carbon tetrachloride
Concen: 50.667 ug/L
RT: 4.86 min Scan# 1171
Delta R.T. 0.00 min
Lab File: VV016450.D
Acq: 03 Jun 2020 10:10

Tgt Ion: 117 Resp: 204666
Ion Ratio Lower Upper
117 100
119 96.7 77.8 116.6

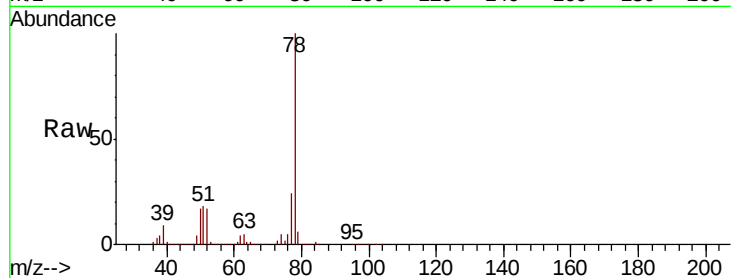




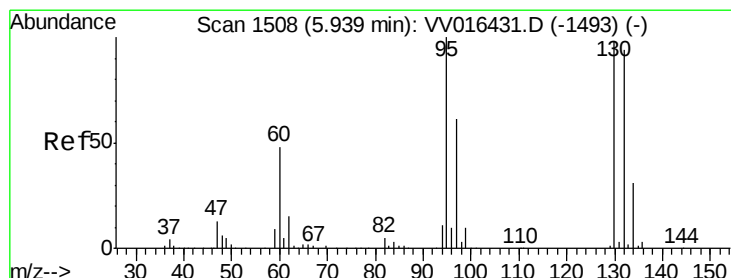
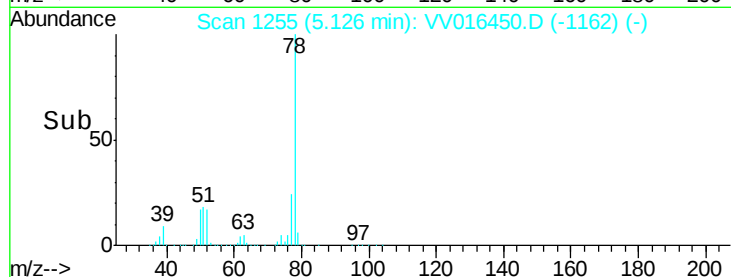
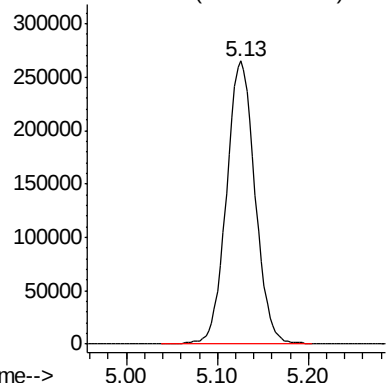
#33
Benzene
Concen: 50.848 ug/L
RT: 5.13 min Scan# 1255
Delta R.T. 0.00 min
Lab File: VV016450.D
Acq: 03 Jun 2020 10:10

Instrument :
MSVOA_V
ClientSampled :

Tgt Ion: 78 Resp: 576323



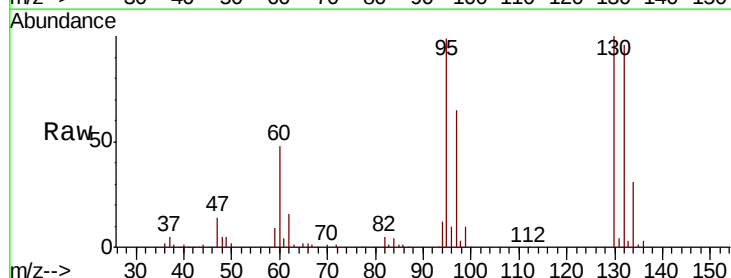
Abundance Ion 78.00 (77.70 to 78.70): VV0



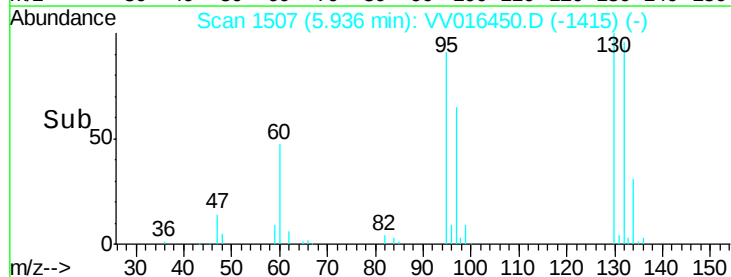
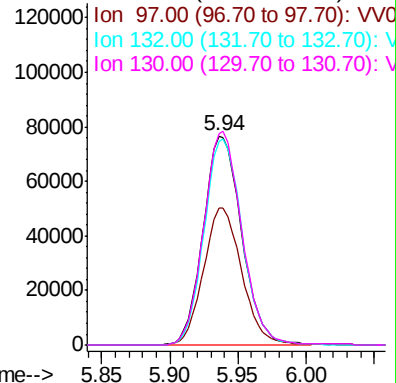
#34
Trichloroethene
Concen: 50.603 ug/L
RT: 5.94 min Scan# 1507
Delta R.T. -0.00 min
Lab File: VV016450.D
Acq: 03 Jun 2020 10:10

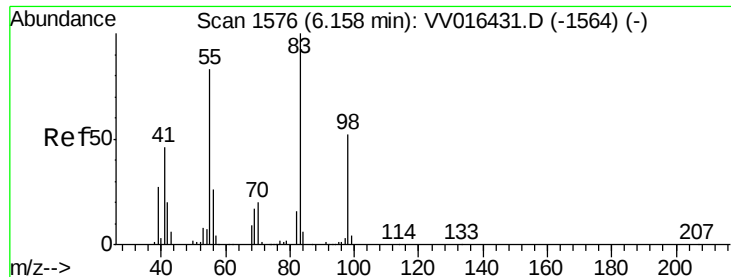
Tgt Ion: 95 Resp: 150496

Ion	Ratio	Lower	Upper
95	100		
97	65.4	42.8	79.6
132	97.5	65.6	121.8
130	101.1	69.0	128.1



Abundance Ion 95.00 (94.70 to 95.70): VV0

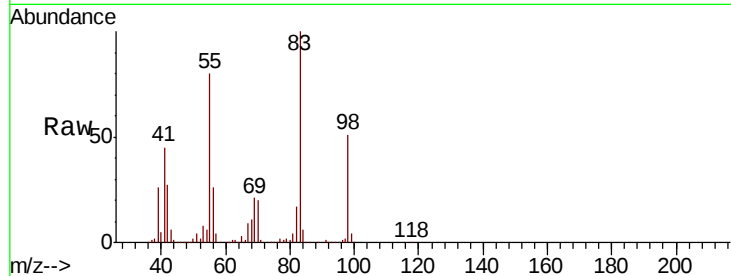




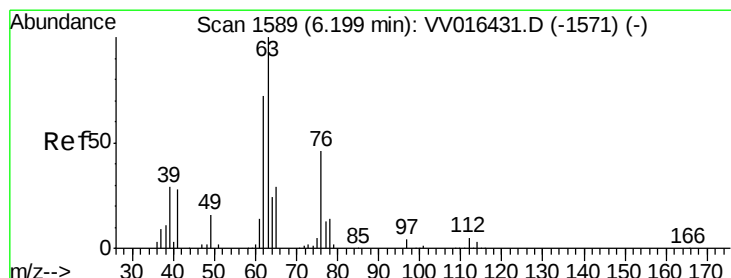
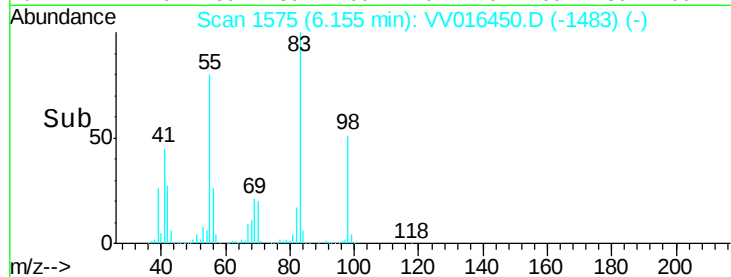
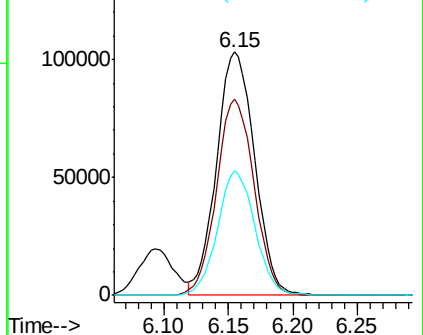
#35
Methvlcvclohexane
Concen: 49.783 ug/L
RT: 6.15 min Scan# 1575
Delta R.T. -0.00 min
Lab File: VV016450.D
Acq: 03 Jun 2020 10:10

Instrument :
MSVOA_V
ClientSampled :

Tot Ion	83	Resp	212519
Ion Ratio	Lower	Upper	
83	100		
55	79.1	63.4	95.0
98	49.7	39.4	59.0

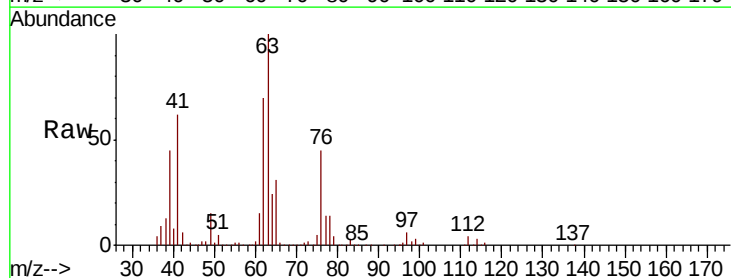


Abundance Ion 83.00 (82.70 to 83.70): VV0
Ion 55.00 (54.70 to 55.70): VV0
Ion 98.00 (97.70 to 98.70): VV0

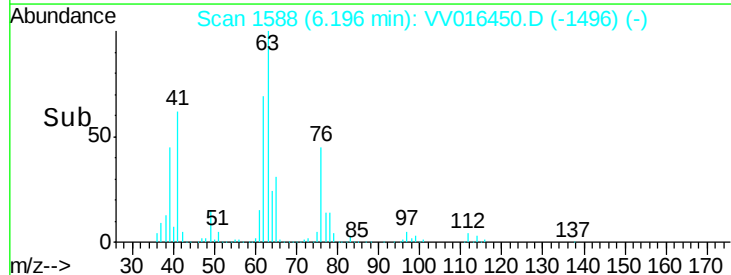
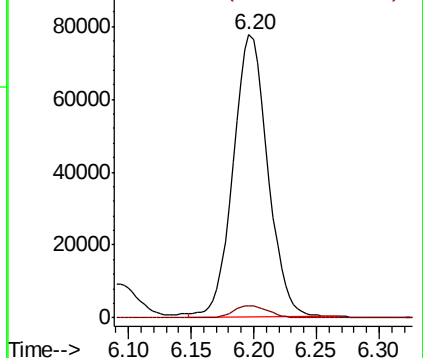


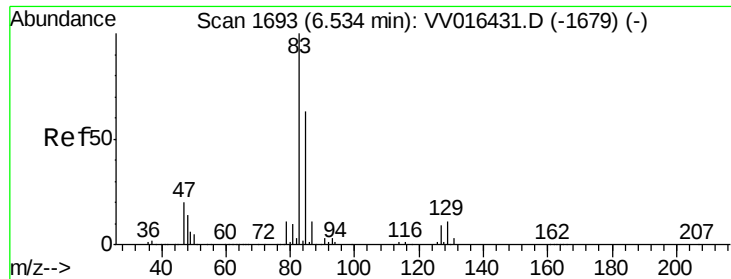
#37
1,2-Dichloropropane
Concen: 50.467 ug/L
RT: 6.20 min Scan# 1588
Delta R.T. -0.00 min
Lab File: VV016450.D
Acq: 03 Jun 2020 10:10

Tgt Ion	63	Resp	149094
Ion Ratio	Lower	Upper	
63	100		
112	4.5	3.9	5.9



Abundance Ion 63.00 (62.70 to 63.70): VV0
Ion 112.00 (111.70 to 112.70): V

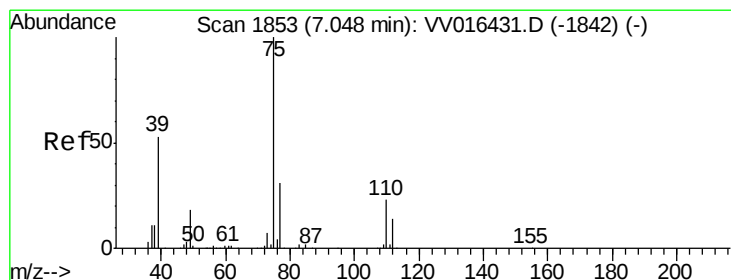
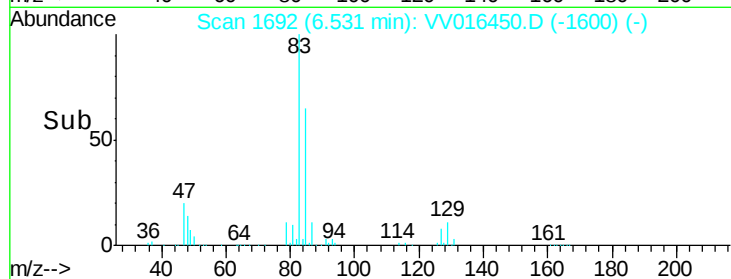
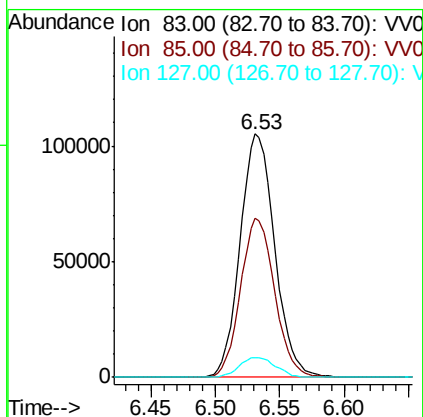
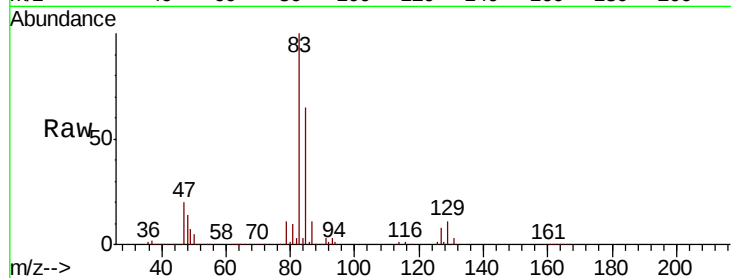




#38
 Bromodichloromethane
 Concen: 51.768 ug/L
 RT: 6.53 min Scan# 1692
 Delta R.T. -0.00 min
 Lab File: VV016450.D
 Acq: 03 Jun 2020 10:10

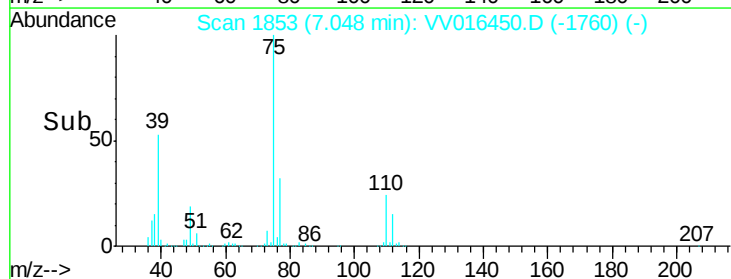
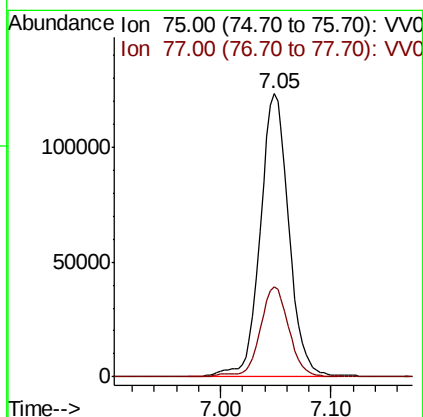
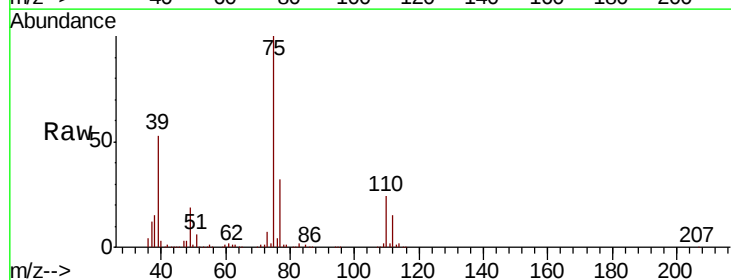
Instrument :
 MSVOA_V
 ClientSampled :

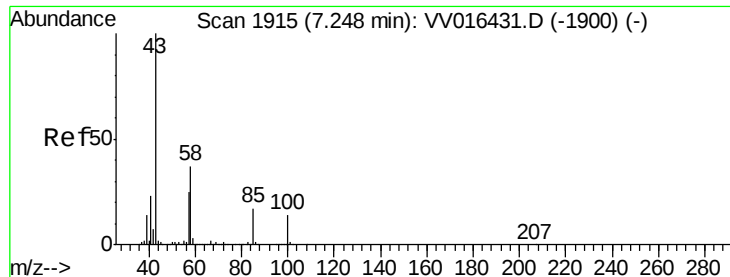
Tot Ion	83.00	Resp	196503
Ion Ratio	Lower	Upper	
83	100		
85	65.2	44.4	82.5
127	8.1	7.1	10.7



#39
 cis-1,3-Dichloropropene
 Concen: 51.716 ug/L
 RT: 7.05 min Scan# 1853
 Delta R.T. 0.00 min
 Lab File: VV016450.D
 Acq: 03 Jun 2020 10:10

Tgt Ion	75	Resp	222765
Ion Ratio	Lower	Upper	
75	100		
77	31.9	22.0	41.0

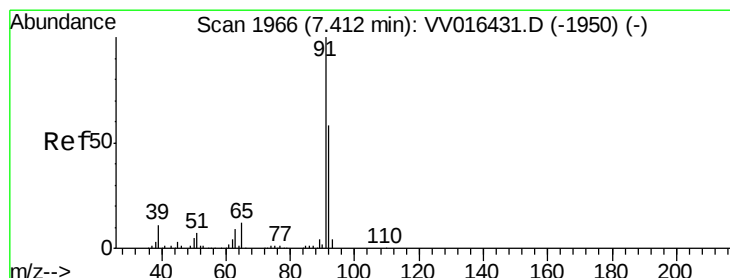
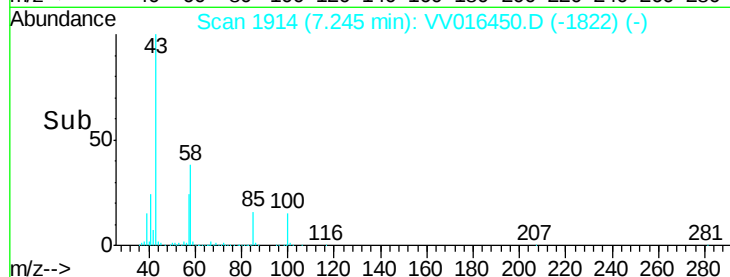
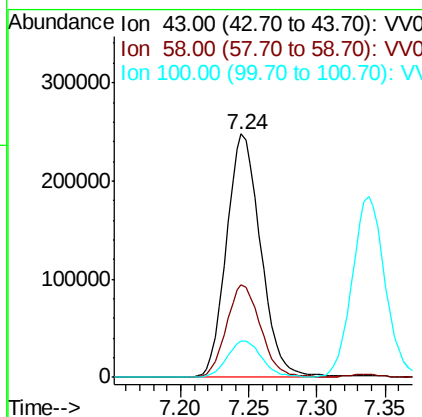
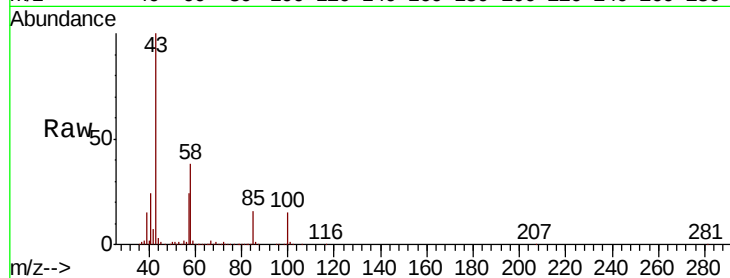




#40
4-Methyl-2-pentanone
Concen: 106.004 ug/L
RT: 7.24 min Scan# 1914
Delta R.T. -0.00 min
Lab File: VV016450.D
Acq: 03 Jun 2020 10:10

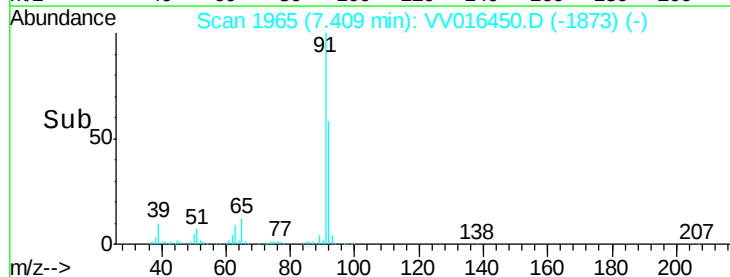
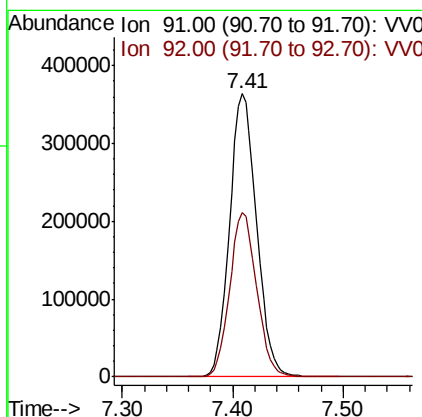
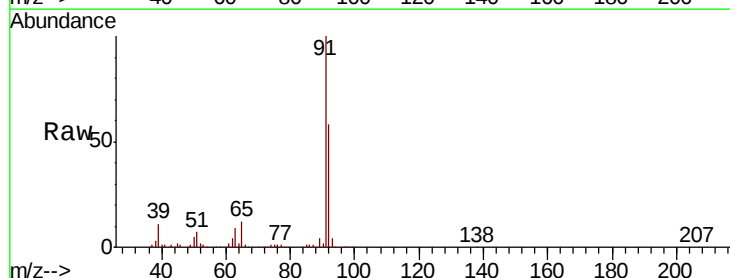
Instrument :
MSVOA_V
ClientSampleId :

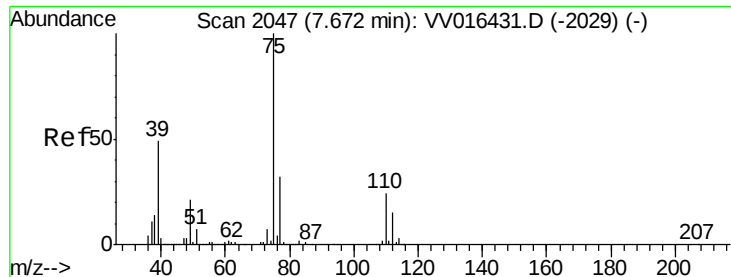
Tot Ion: 43 Resp: 430905
Ion Ratio Lower Upper
43 100
58 38.2 29.9 44.9
100 15.3 11.9 17.9



#42
Toluene
Concen: 51.503 ug/L
RT: 7.41 min Scan# 1965
Delta R.T. -0.00 min
Lab File: VV016450.D
Acq: 03 Jun 2020 10:10

Tgt Ion: 91 Resp: 618569
Ion Ratio Lower Upper
91 100
92 58.1 40.9 75.9





#44

trans-1,3-Dichloropropene

Concen: 50.429 ug/L

RT: 7.67 min Scan# 2046

Delta R.T. -0.00 min

Lab File: VV016450.D

Acq: 03 Jun 2020 10:10

Instrument :

MSVOA_V

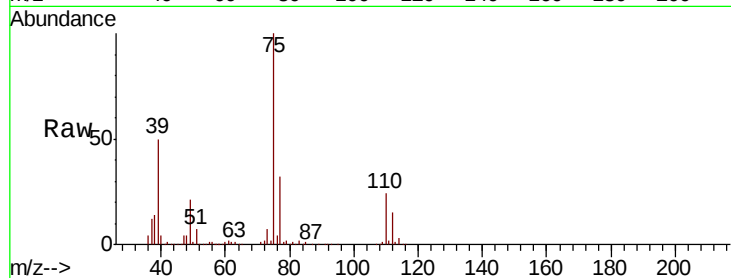
ClientSampleId :

Tot Ion: 75 Resp: 213129

Ion Ratio Lower Upper

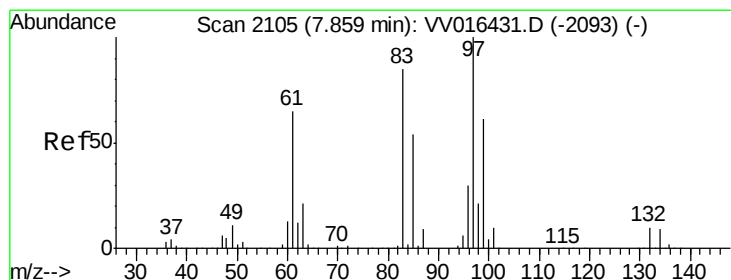
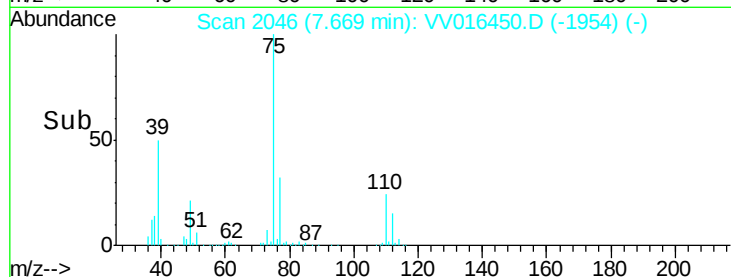
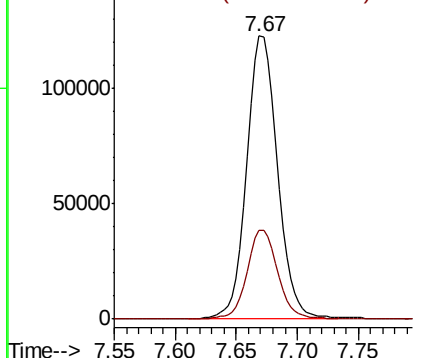
75 100

77 31.5 22.2 41.2



Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 77.00 (76.70 to 77.70): VV0



#45

1,1,2-Trichloroethane

Concen: 50.144 ug/L

RT: 7.86 min Scan# 2105

Delta R.T. 0.00 min

Lab File: VV016450.D

Acq: 03 Jun 2020 10:10

Tgt Ion: 97 Resp: 143242

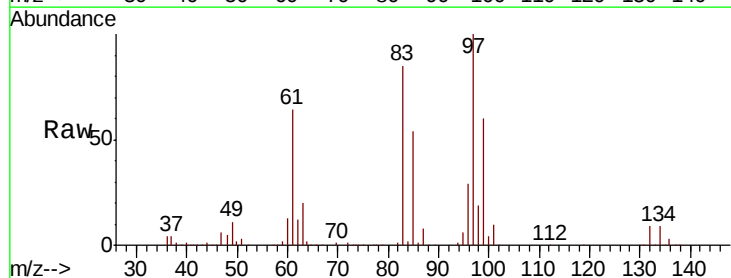
Ion Ratio Lower Upper

97 100

99 59.6 42.9 79.7

83 85.0 59.3 110.1

85 53.9 37.5 69.7

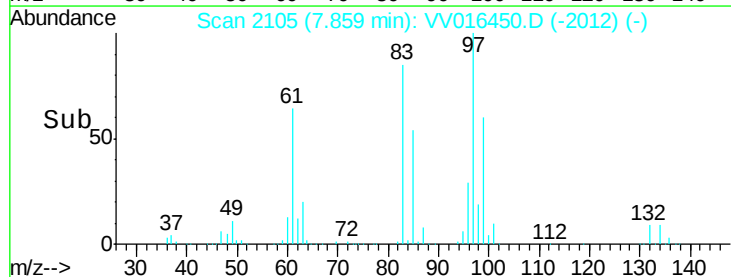
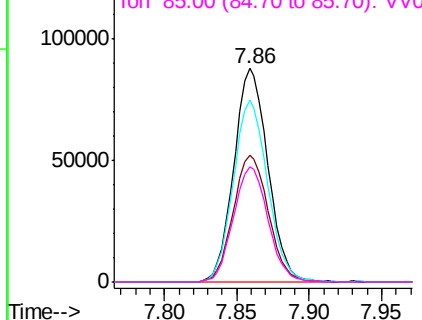


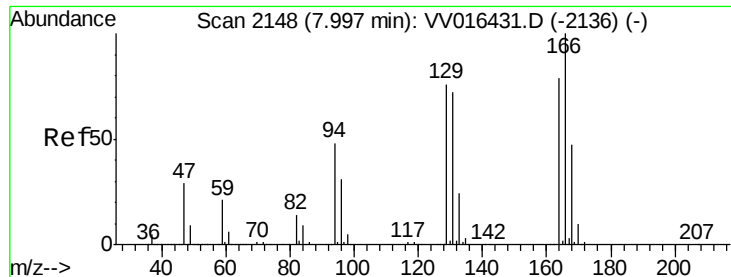
Abundance Ion 97.00 (96.70 to 97.70): VV0

Ion 99.00 (98.70 to 99.70): VV0

Ion 83.00 (82.70 to 83.70): VV0

Ion 85.00 (84.70 to 85.70): VV0

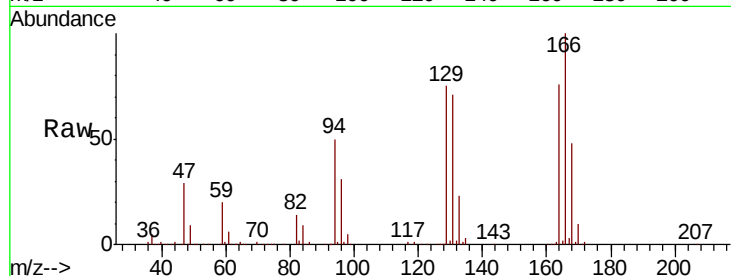




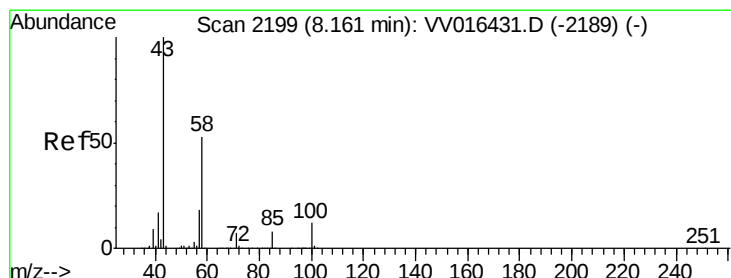
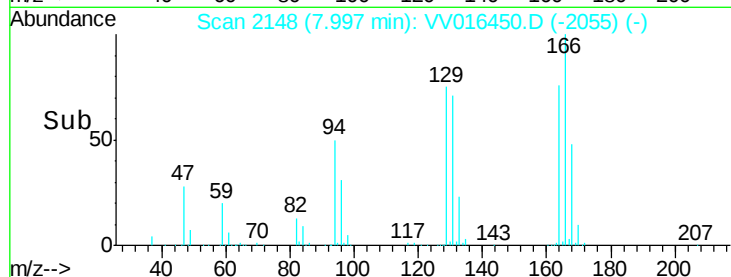
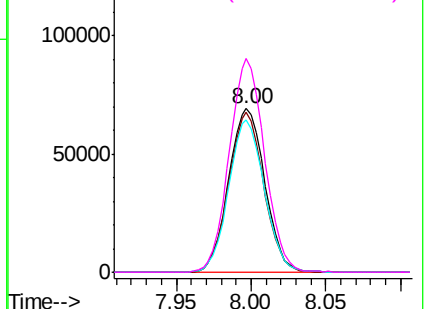
#46
Tetrachloroethene
Concen: 50.836 ug/L
RT: 8.00 min Scan# 2148
Delta R.T. 0.00 min
Lab File: VV016450.D
Acq: 03 Jun 2020 10:10

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion:164	Resp:	116571
Ion	Ratio	Lower Upper
164	100	
129	98.1	67.7 125.7
131	93.5	63.8 118.6
166	130.8	88.7 164.7

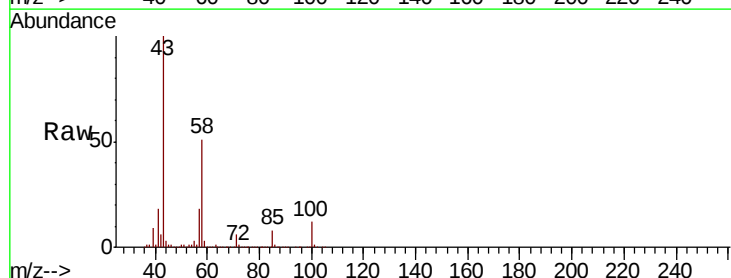


Abundance Ion 164.00 (163.70 to 164.70): V
Ion 129.00 (128.70 to 129.70): V
Ion 131.00 (130.70 to 131.70): V
Ion 166.00 (165.70 to 166.70): V

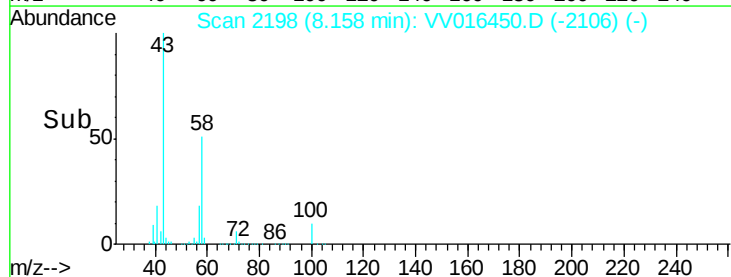
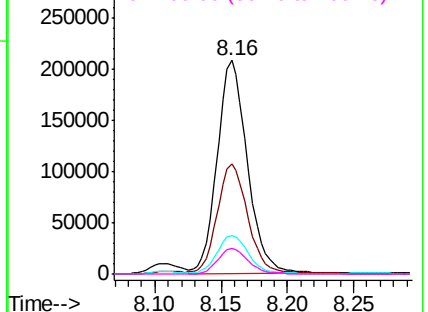


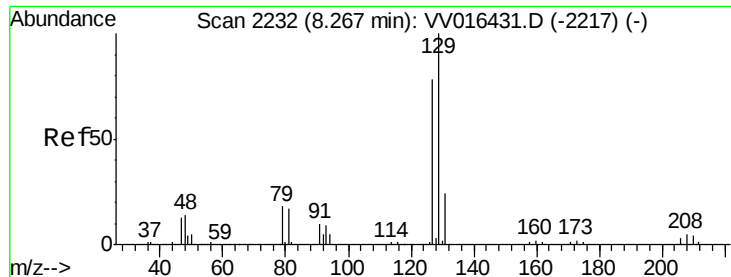
#48
2-Hexanone
Concen: 104.678 ug/L
RT: 8.16 min Scan# 2198
Delta R.T. -0.00 min
Lab File: VV016450.D
Acq: 03 Jun 2020 10:10

Tgt Ion: 43	Resp:	330810
Ion	Ratio	Lower Upper
43	100	
58	51.5	42.7 64.1
57	18.6	14.5 21.7
100	12.3	9.4 14.2



Abundance Ion 43.00 (42.70 to 43.70): VV0
Ion 58.00 (57.70 to 58.70): VV0
Ion 57.00 (56.70 to 57.70): VV0
Ion 100.00 (99.70 to 100.70): VV0

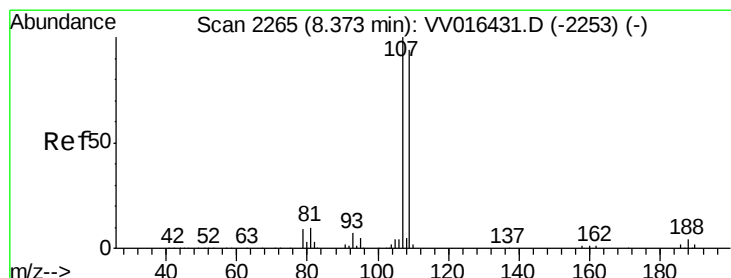
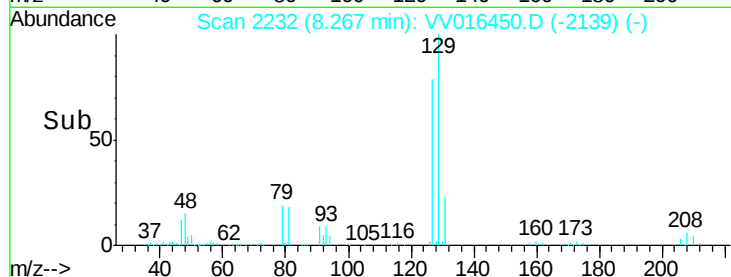
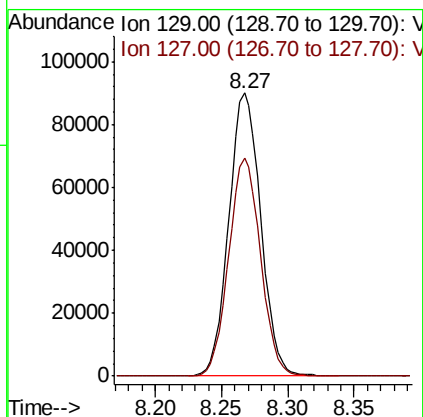
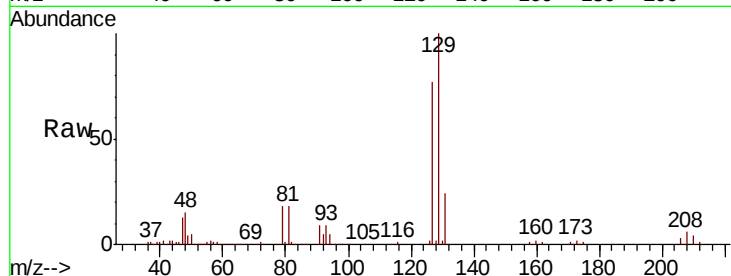




#49
 Dibromochloromethane
 Concen: 54.301 ug/L
 RT: 8.27 min Scan# 2232
 Delta R.T. 0.00 min
 Lab File: VV016450.D
 Acq: 03 Jun 2020 10:10

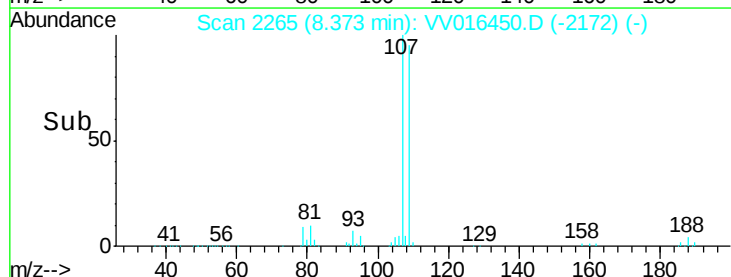
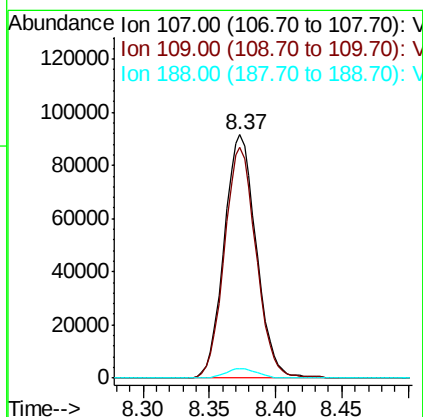
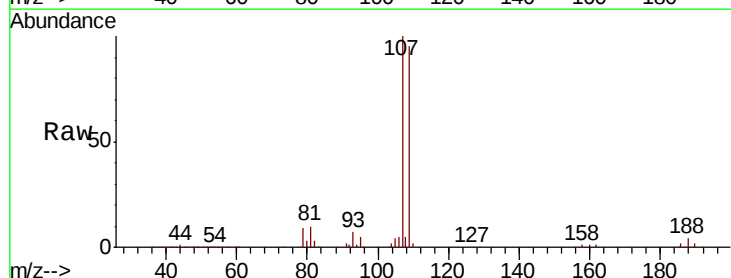
Instrument :
 MSVOA_V
 ClientSampleId :

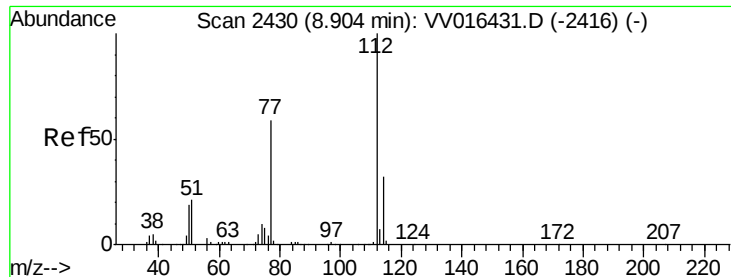
Tot Ion:129 Resp: 150802
 Ion Ratio Lower Upper
 129 100
 127 77.2 54.6 101.4



#50
 1,2-Dibromoethane
 Concen: 50.944 ug/L
 RT: 8.37 min Scan# 2265
 Delta R.T. 0.00 min
 Lab File: VV016450.D
 Acq: 03 Jun 2020 10:10

Tgt Ion:107 Resp: 153942
 Ion Ratio Lower Upper
 107 100
 109 94.9 65.9 122.3
 188 4.0 2.8 4.2





#51

Chlorobenzene

Concen: 50.018 ug/L

RT: 8.90 min Scan# 2430

Delta R.T. 0.00 min

Lab File: VV016450.D

Acq: 03 Jun 2020 10:10

Instrument :
MSVOA_V
ClientSampleId :

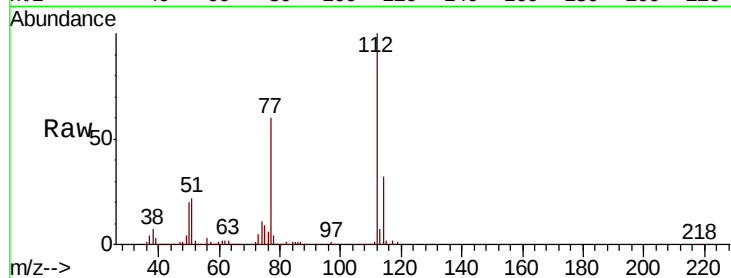
Tot Ion: 112 Resp: 394824

Ion Ratio Lower Upper

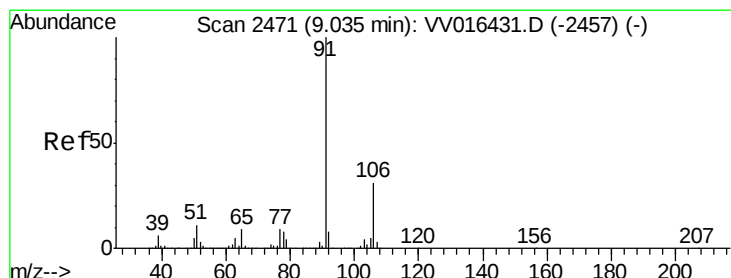
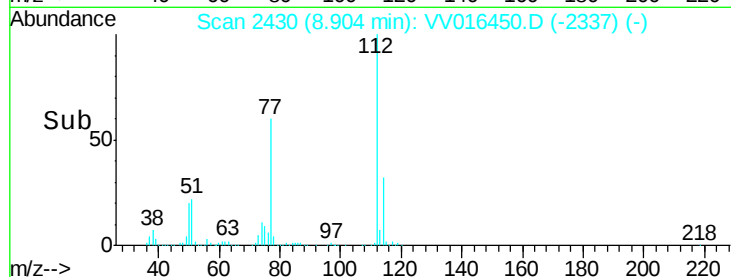
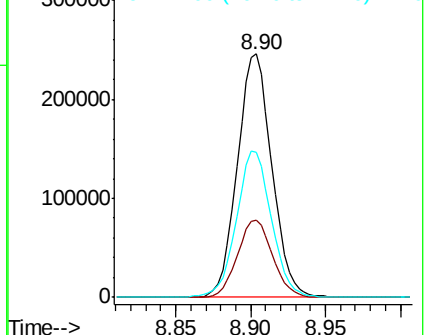
112 100

114 31.6 22.7 42.1

77 59.6 47.4 71.2



Abundance Ion 112.00 (111.70 to 112.70): V
Ion 114.00 (113.70 to 114.70): V
Ion 77.00 (76.70 to 77.70): V



#52

Ethylbenzene

Concen: 52.045 ug/L

RT: 9.03 min Scan# 2470

Delta R.T. -0.00 min

Lab File: VV016450.D

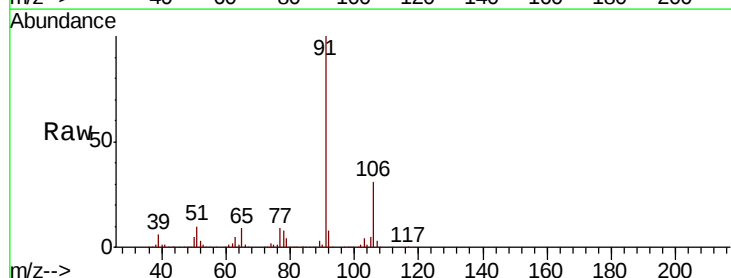
Acq: 03 Jun 2020 10:10

Tgt Ion: 91 Resp: 680326

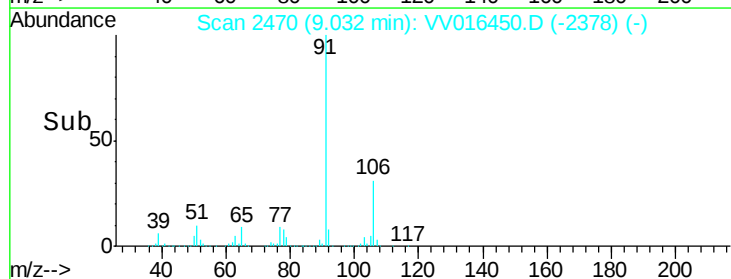
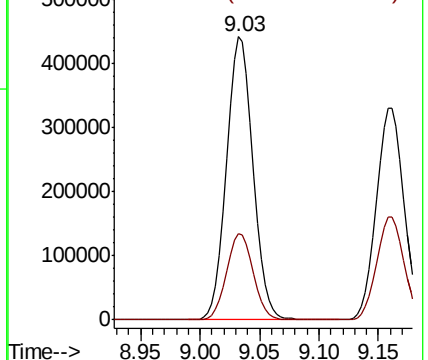
Ion Ratio Lower Upper

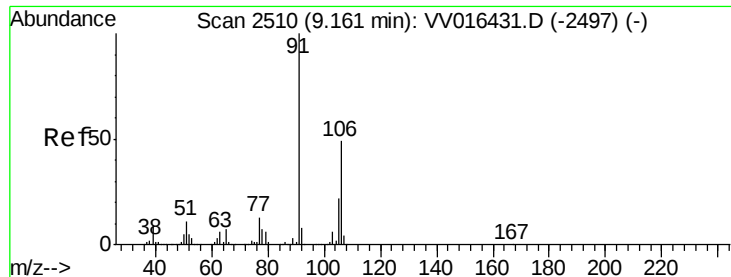
91 100

106 30.7 21.8 40.4



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





#53

m,p-Xylene

Concen: 52.077 ug/L

RT: 9.16 min Scan# 2510

Delta R.T. 0.00 min

Lab File: VV016450.D

Acq: 03 Jun 2020 10:10

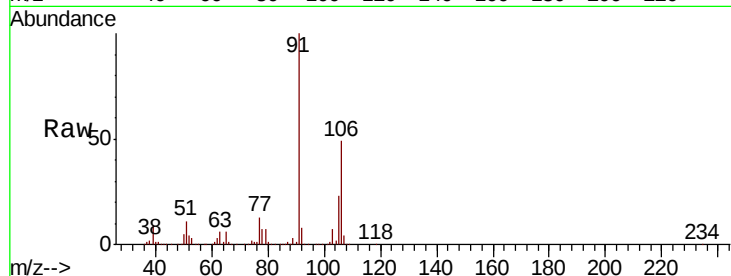
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion:106 Resp: 256687

Ion Ratio Lower Upper

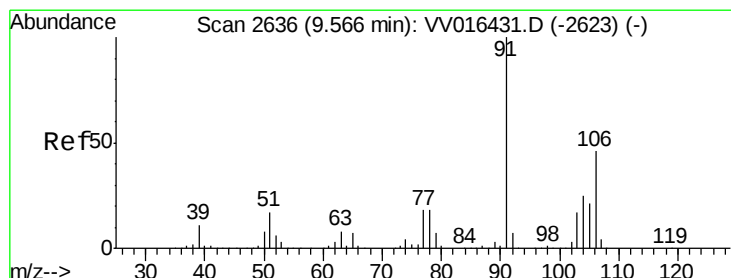
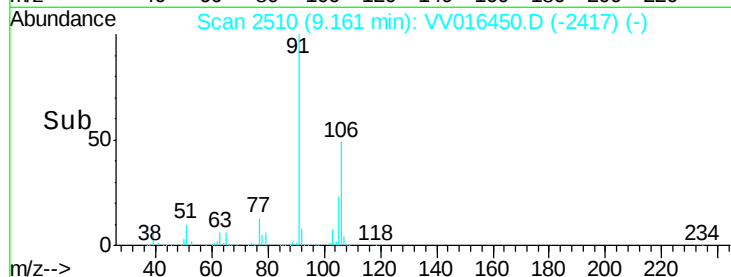
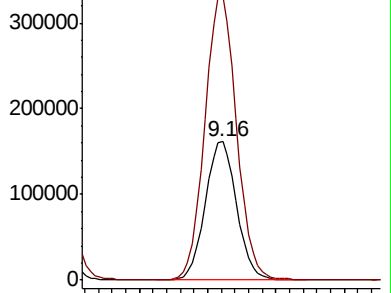
106 100

91 204.8 142.5 264.6



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VV0



#54

o-xylene

Concen: 52.027 ug/L

RT: 9.57 min Scan# 2636

Delta R.T. 0.00 min

Lab File: VV016450.D

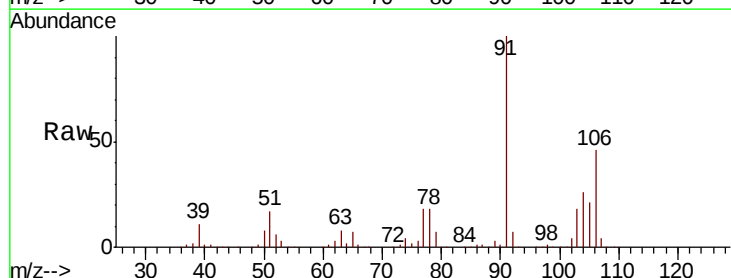
Acq: 03 Jun 2020 10:10

Tgt Ion:106 Resp: 248361

Ion Ratio Lower Upper

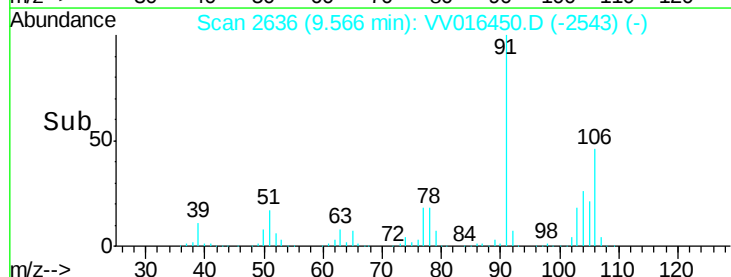
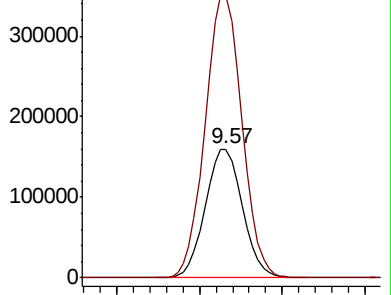
106 100

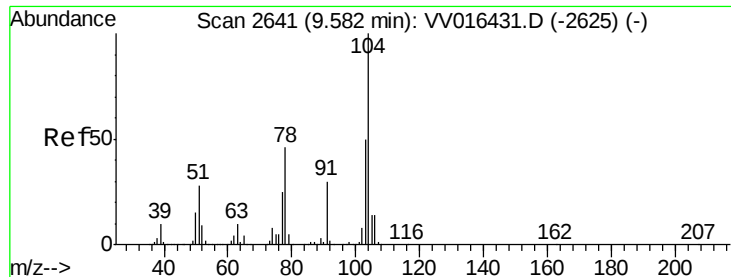
91 219.6 152.5 283.1



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VV0





#55

Stvrene

Concen: 53.356 ug/L

RT: 9.58 min Scan# 2641

Delta R.T. 0.00 min

Lab File: VV016450.D

Acq: 03 Jun 2020 10:10

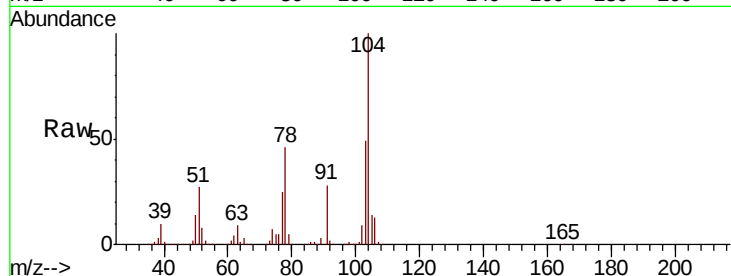
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion:104 Resp: 446199

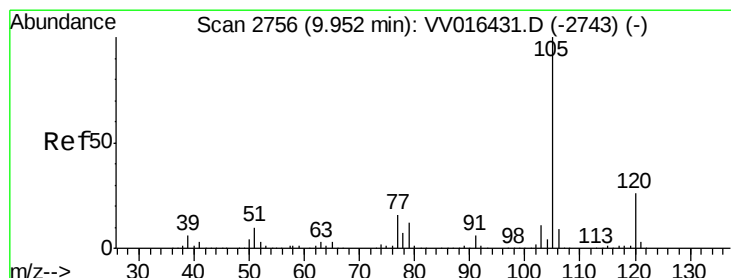
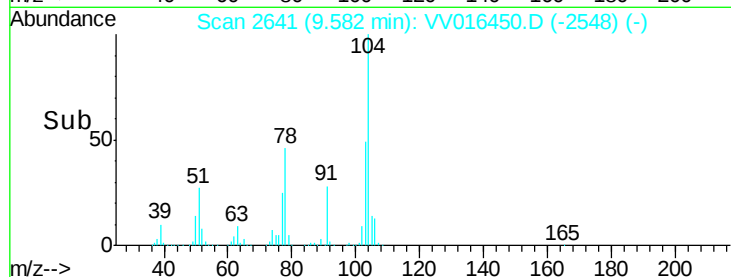
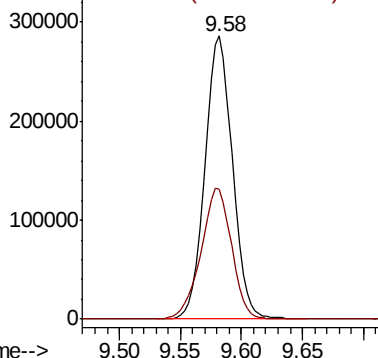
Ion Ratio Lower Upper

104 100

78 45.8 31.9 59.3



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



#56

Isopropylbenzene

Concen: 52.213 ug/L

RT: 9.95 min Scan# 2756

Delta R.T. 0.00 min

Lab File: VV016450.D

Acq: 03 Jun 2020 10:10

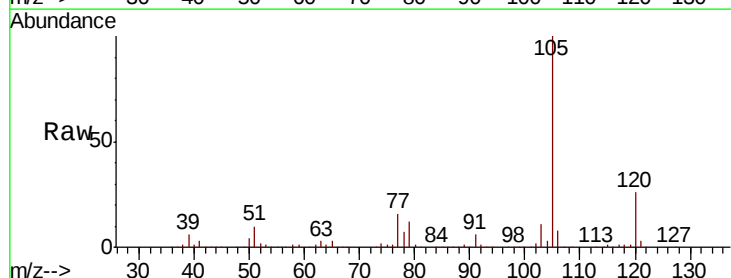
Tgt Ion:105 Resp: 647416

Ion Ratio Lower Upper

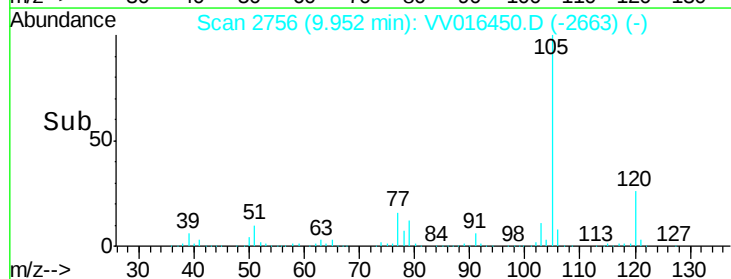
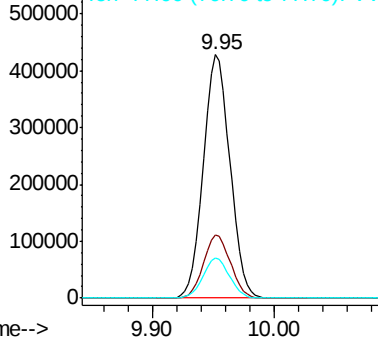
105 100

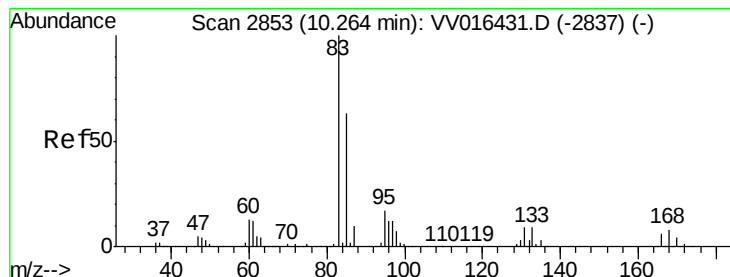
120 26.1 21.0 31.6

77 16.3 13.0 19.4



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V
Ion 77.00 (76.70 to 77.70): VV0





#58

1,1,2,2-Tetrachloroethane

Concen: 50.183 ug/L

RT: 10.26 min Scan# 2853

Delta R.T. 0.00 min

Lab File: VV016450.D

Acq: 03 Jun 2020 10:10

Instrument :

MSVOA_V

ClientSampleId :

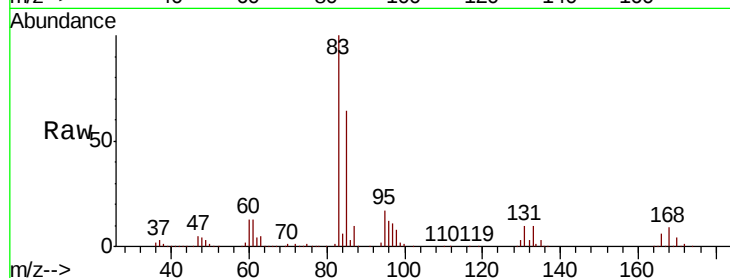
Tot Ion: 83 Resp: 229961

Ion Ratio Lower Upper

83 100

85 63.6 44.0 81.6

131 10.2 7.6 11.4



Abundance Ion 83.00 (82.70 to 83.70): VV016450.D (-2760) (-)

Ion 85.00 (84.70 to 85.70): VV016450.D (-2760) (-)

Ion 131.00 (130.70 to 131.70): VV016450.D (-2760) (-)

10.26

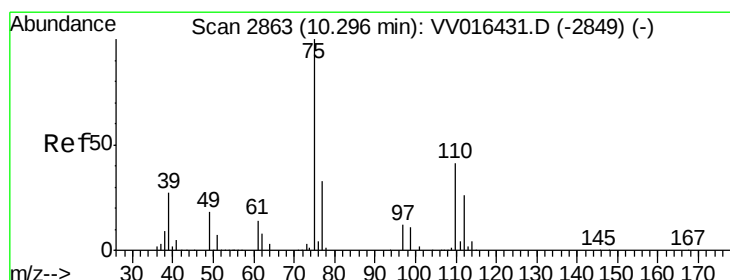
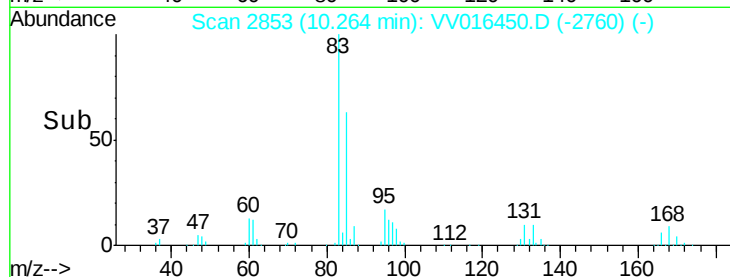
150000

100000

50000

0

Time-->



#59

1,2,3-Trichloropropane

Concen: 49.143 ug/L

RT: 10.30 min Scan# 2863

Delta R.T. 0.00 min

Lab File: VV016450.D

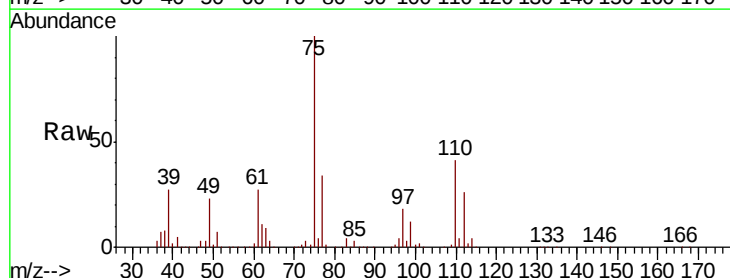
Acq: 03 Jun 2020 10:10

Tgt Ion: 75 Resp: 181168

Ion Ratio Lower Upper

75 100

77 32.7 26.6 40.0



Abundance Ion 75.00 (74.70 to 75.70): VV016450.D (-2241) (-)

Ion 77.00 (76.70 to 77.70): VV016450.D (-2241) (-)

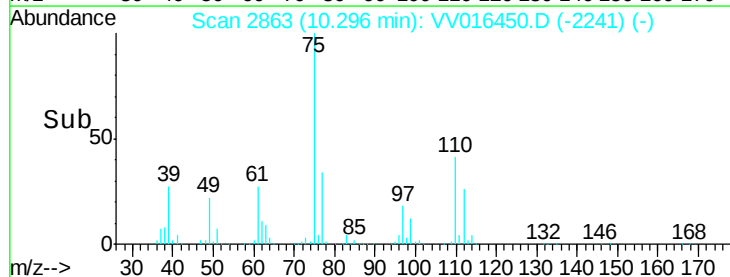
10.30

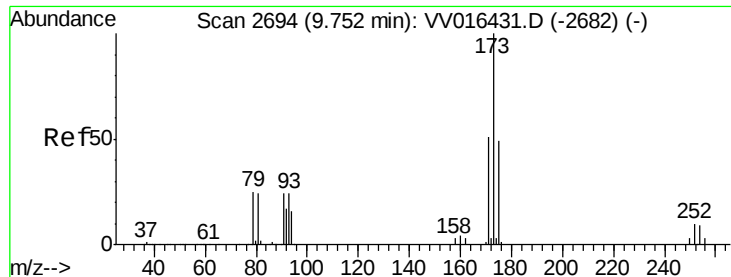
100000

50000

0

Time-->





#61

Bromoform

Concen: 55.329 ug/L

RT: 9.75 min Scan# 2694

Delta R.T. 0.00 min

Lab File: VV016450.D

Acq: 03 Jun 2020 10:10

Instrument :
MSVOA_V
ClientSampleId :

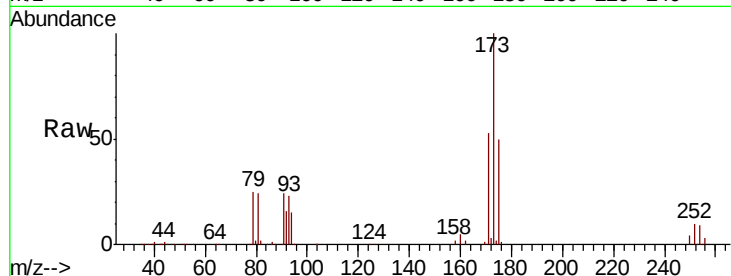
Tot Ion:173 Resp: 91163

Ion Ratio Lower Upper

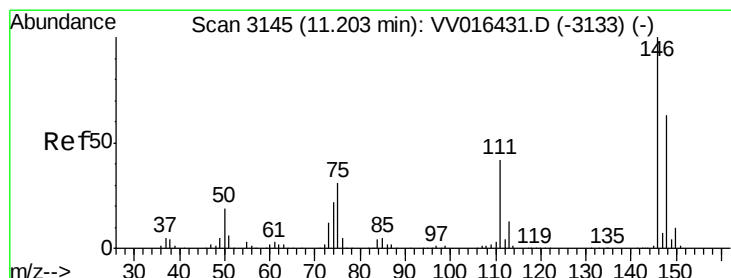
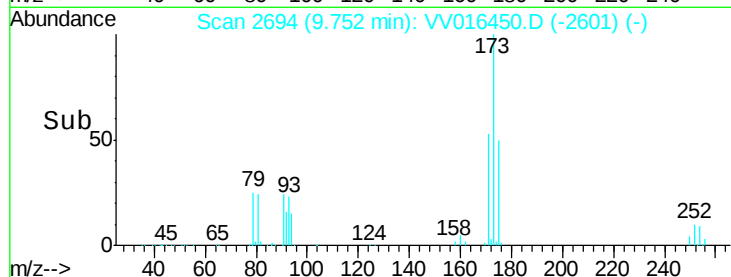
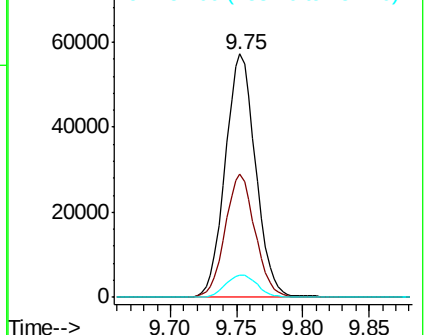
173 100

175 49.8 38.8 58.2

254 9.6 7.9 11.9



Abundance Ion 173.00 (172.70 to 173.70): V
Ion 175.00 (174.70 to 175.70): V
Ion 254.00 (253.70 to 254.70): V



#62

1,3-Dichlorobenzene

Concen: 51.274 ug/L

RT: 11.20 min Scan# 3145

Delta R.T. 0.00 min

Lab File: VV016450.D

Acq: 03 Jun 2020 10:10

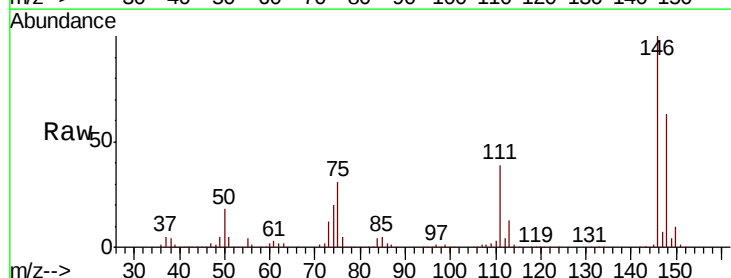
Tgt Ion:146 Resp: 312601

Ion Ratio Lower Upper

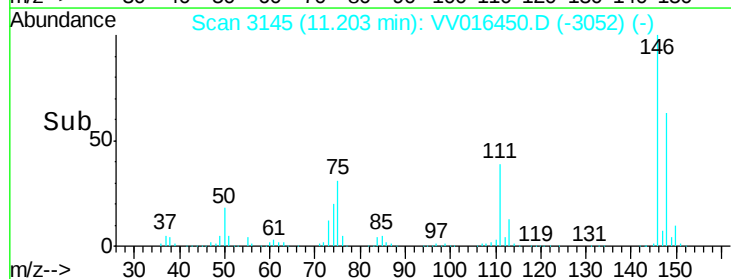
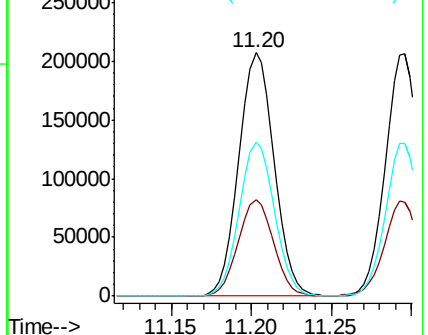
146 100

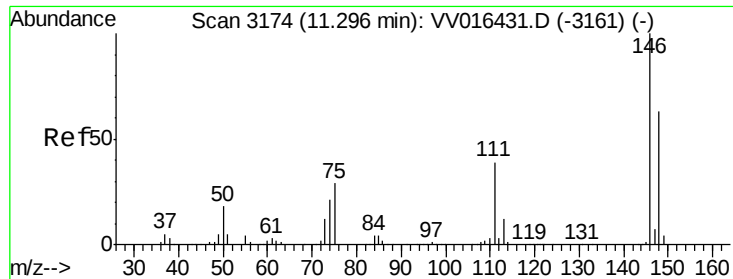
111 39.4 29.8 55.3

148 63.4 44.0 81.8



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





#63

1,4-Dichlorobenzene

Concen: 49.908 ug/L

RT: 11.30 min Scan# 3174

Delta R.T. 0.00 min

Lab File: VV016450.D

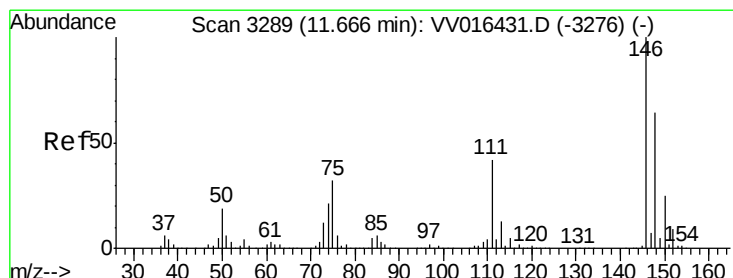
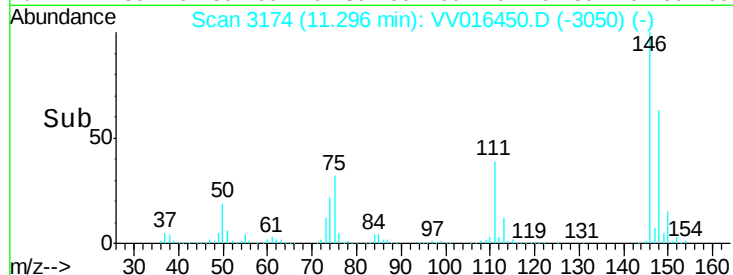
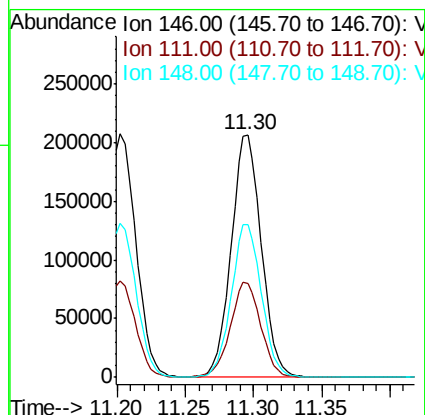
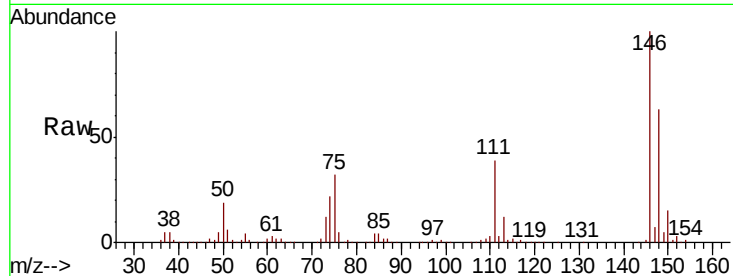
Acq: 03 Jun 2020 10:10

Instrument :

MSVOA_V

ClientSampled :

Tot Ion:146	Resp:	315711
Ion	Ratio	Lower Upper
146	100	
111	38.8	27.3 50.7
148	63.0	44.5 82.7



#65

1,2-Dichlorobenzene

Concen: 50.131 ug/L

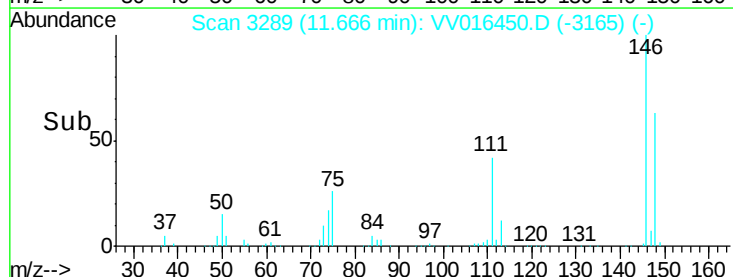
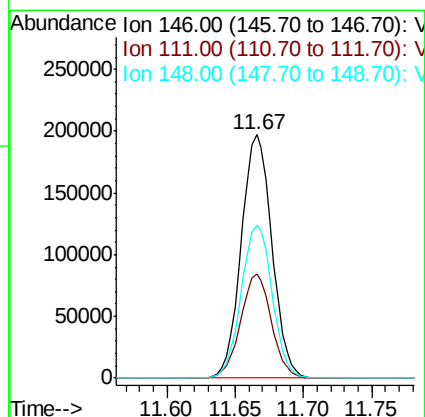
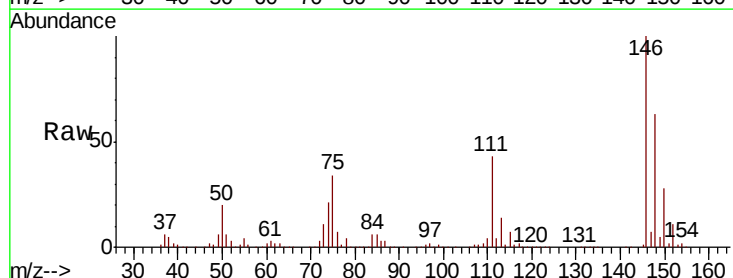
RT: 11.67 min Scan# 3289

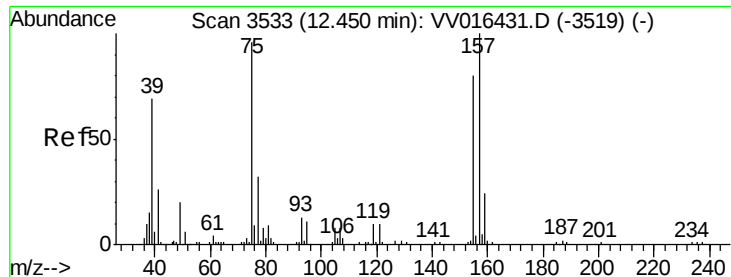
Delta R.T. 0.00 min

Lab File: VV016450.D

Acq: 03 Jun 2020 10:10

Tgt Ion:146	Resp:	307629
Ion	Ratio	Lower Upper
146	100	
111	42.7	33.6 50.4
148	62.7	51.5 77.3

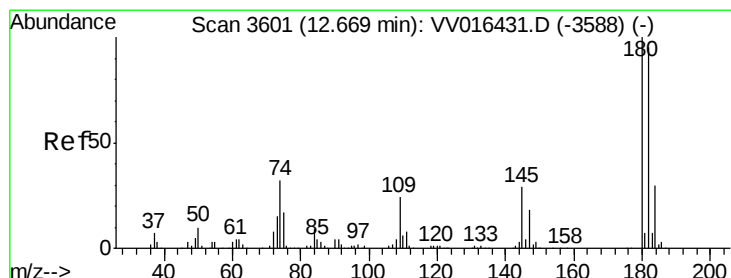
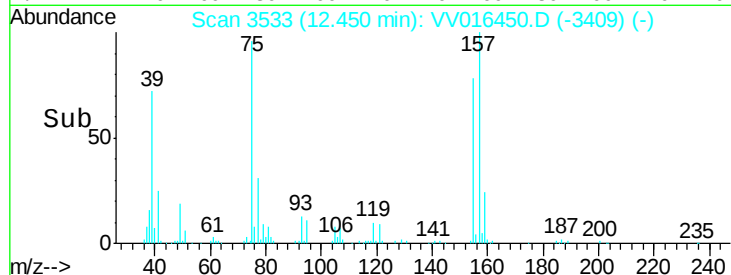
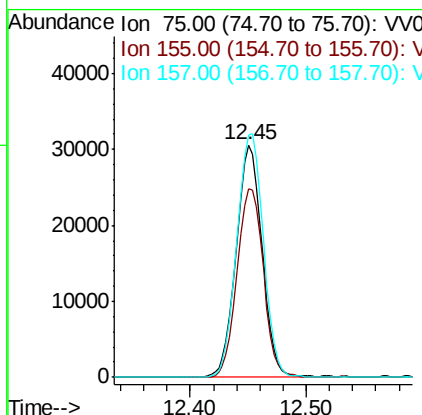
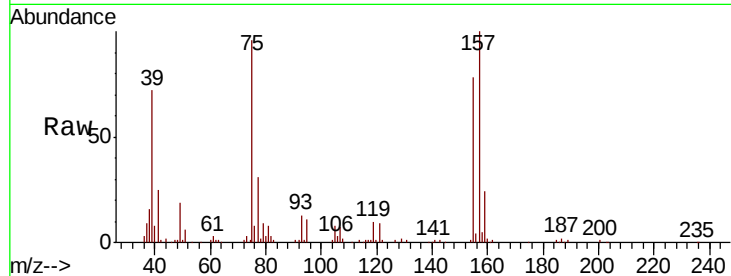




#66
 1,2-Dibromo-3-chloropropane
 Concen: 50.902 ug/L
 RT: 12.45 min Scan# 3533
 Delta R.T. 0.00 min
 Lab File: VV016450.D
 Acq: 03 Jun 2020 10:10

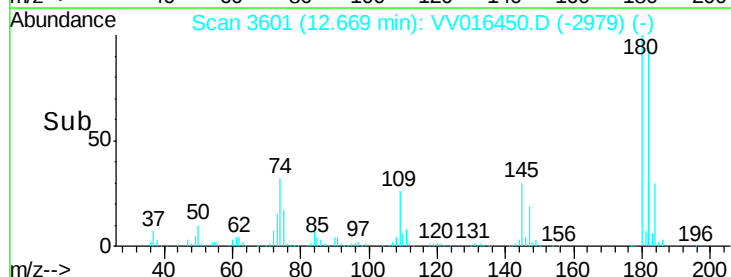
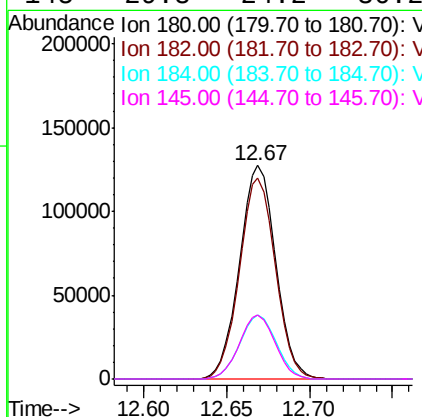
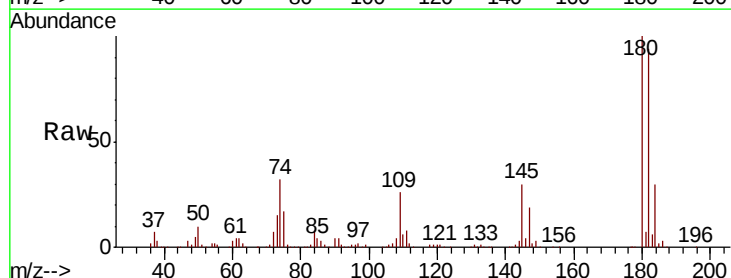
Instrument :
 MSVOA_V
 ClientSampleId :

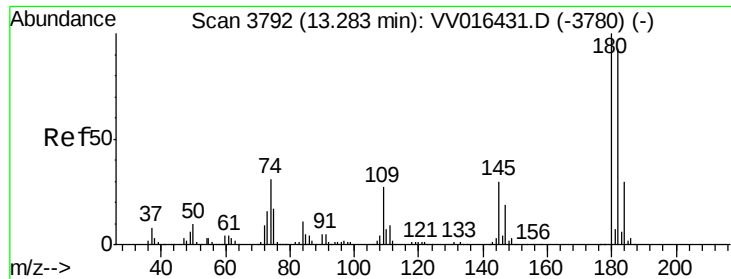
Tot Ion: 75 Resp: 47403
 Ion Ratio Lower Upper
 75 100
 155 81.0 66.2 99.2
 157 104.5 83.0 124.4



#67
 1,3,5-Trichlorobenzene
 Concen: 47.217 ug/L
 RT: 12.67 min Scan# 3601
 Delta R.T. 0.00 min
 Lab File: VV016450.D
 Acq: 03 Jun 2020 10:10

Tgt Ion: 180 Resp: 193669
 Ion Ratio Lower Upper
 180 100
 182 93.4 75.8 113.8
 184 30.2 24.4 36.6
 145 29.8 24.2 36.2

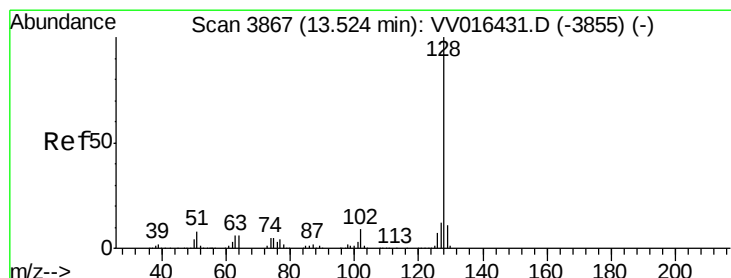
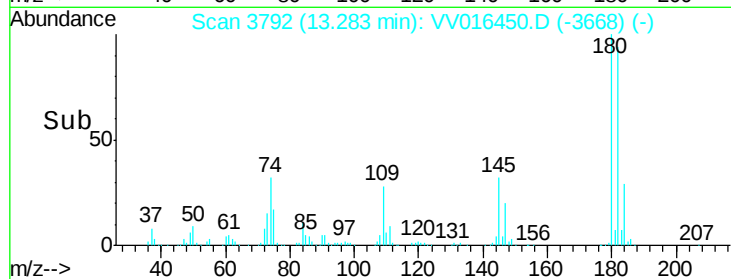
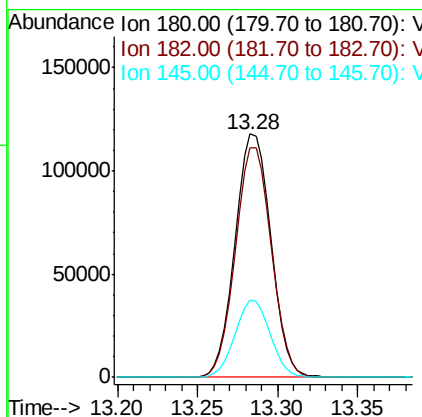
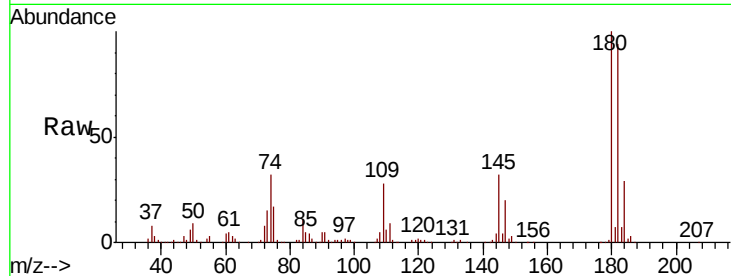




#68
1,2,4-trichlorobenzene
Concen: 47.312 ug/L
RT: 13.28 min Scan# 3792
Delta R.T. 0.00 min
Lab File: VV016450.D
Acq: 03 Jun 2020 10:10

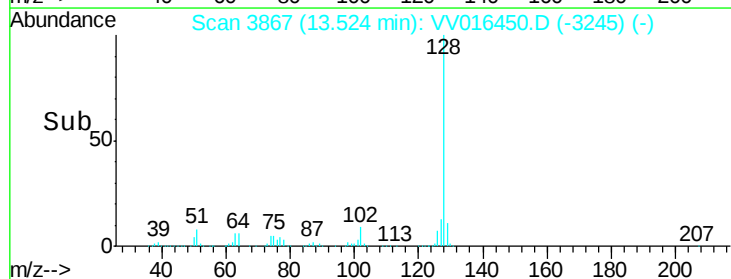
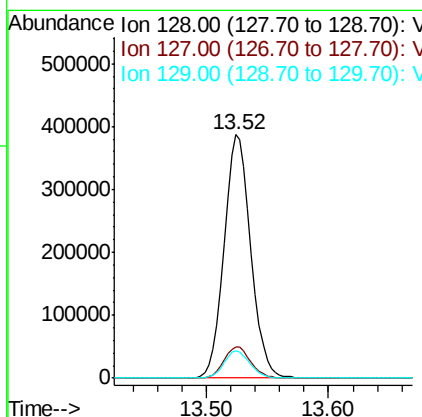
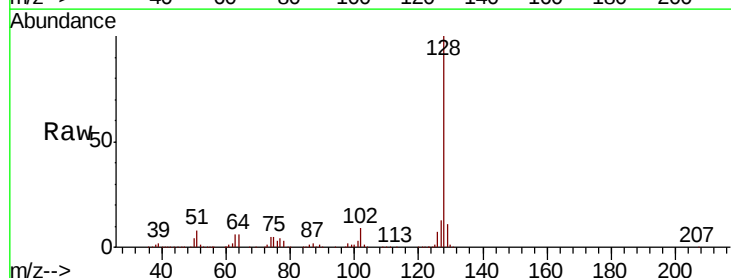
Instrument :
MSVOA_V
ClientSampleId :

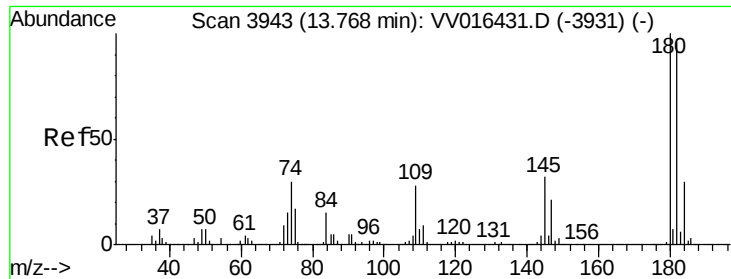
Tot Ion	Ratio	Lower	Upper
180	100		
182	94.5	74.6	111.8
145	31.1	24.5	36.7



#69
Naphthalene
Concen: 50.859 ug/L
RT: 13.52 min Scan# 3867
Delta R.T. 0.00 min
Lab File: VV016450.D
Acq: 03 Jun 2020 10:10

Tgt Ion	Ratio	Lower	Upper
128	100		
127	12.8	10.2	15.4
129	11.1	8.7	13.1





#70

1,2,3-Trichlorobenzene

Concen: 49.176 ug/L

RT: 13.77 min Scan# 3943

Delta R.T. 0.00 min

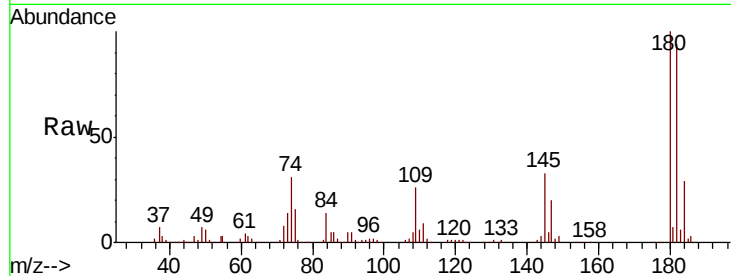
Lab File: VV016450.D

Acq: 03 Jun 2020 10:10

Instrument :

MSVOA_V

ClientSampleId :



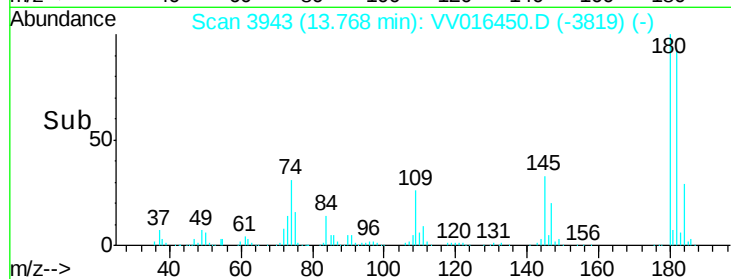
Tot Ion:180 Resp: 177511

Ion Ratio Lower Upper

180 100

182 94.3 76.0 114.0

145 32.7 26.5 39.7



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

