

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV060320\
 Data File : VV016432.D
 Acq On : 02 Jun 2020 17:03
 Operator : SY/MD
 Sample : VSTD10065
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Jun 03 00:18:41 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM060320WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Jun 03 00:15:35 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	395778	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	383101	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	196412	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	285101	99.26	ug/L	0.00
7) Chloroethane-d5	1.58	69	203909	82.98	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.13	63	501883	94.22	ug/L	0.00
21) 2-Butanone-d5	3.92	46	382408	223.41	ug/L	0.00
24) Chloroform-d	4.38	84	536891	97.95	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.06	65	357176	95.99	ug/L	0.00
32) Benzene-d6	5.08	84	1042464	99.00	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.09	67	322162	97.00	ug/L	0.00
41) Toluene-d8	7.34	98	961700	98.72	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.64	79	165127	100.43	ug/L	0.00
47) 2-Hexanone-d5	8.11	63	295891	262.78	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.24	84	435385	102.93	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.65	152	373404	96.88	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	317232	103.347	ug/L 100
3) Chloromethane	1.25	50	301308	95.302	ug/L 98
5) Vinyl chloride	1.32	62	297185	97.249	ug/L 98
6) Bromomethane	1.53	94	160469	89.266	ug/L 98
8) Chloroethane	1.60	64	164097	83.697	ug/L 97
9) Trichlorofluoromethane	1.77	101	422642	101.960	ug/L 99
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	225307	91.259	ug/L 99
12) 1,1-Dichloroethene	2.14	96	215612	93.849	ug/L 94
13) Acetone	2.20	43	289555	174.752	ug/L 97
14) Carbon disulfide	2.31	76	769212	113.621	ug/L 99
15) Methyl Acetate	2.45	43	308936	109.858	ug/L 99
16) Methylene chloride	2.53	84	290159	97.802	ug/L 97
17) trans-1,2-Dichloroethene	2.78	96	272374	105.453	ug/L 99
18) Methyl tert-butyl Ether	2.79	73	866823	100.198	ug/L 100
19) 1,1-Dichloroethane	3.21	63	499524	96.582	ug/L 99
20) cis-1,2-Dichloroethene	3.94	96	297720	104.731	ug/L 100
22) 2-Butanone	4.00	43	428072	228.193	ug/L 100
23) Bromochloromethane	4.28	128	154179	103.328	ug/L 99
25) Chloroform	4.41	83	525396	97.262	ug/L 98
27) 1,2-Dichloroethane	5.16	62	427885	98.470	ug/L 99
29) Cyclohexane	4.71	56	460302	105.445	ug/L 99
30) 1,1,1-Trichloroethane	4.64	97	464863	98.055	ug/L 98
31) Carbon tetrachloride	4.86	117	399925	99.974	ug/L 99
33) Benzene	5.13	78	1109710	102.044	ug/L 100
34) Trichloroethene	5.94	95	288103	102.719	ug/L 95
35) Methylcyclohexane	6.16	83	437532	101.354	ug/L 99
37) 1,2-Dichloropropane	6.20	63	289081	99.357	ug/L 99
38) Bromodichloromethane	6.53	83	382432	98.410	ug/L 100
39) cis-1,3-Dichloropropene	7.05	75	459727	105.034	ug/L 99
40) 4-Methyl-2-pentanone	7.25	43	840352	227.666	ug/L 99

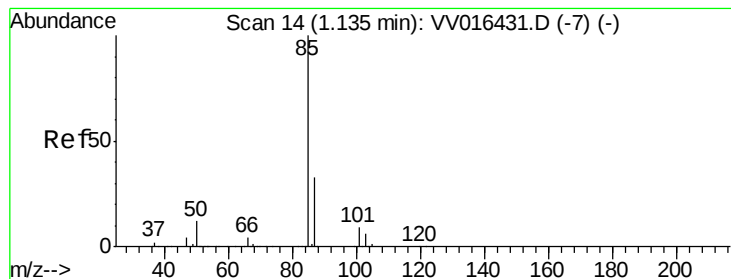
Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV060320\
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 Quant Title : VOC Analysis
 QLast Update : Wed Jun 03 00:15:35 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.41	91	1190248	102.320	ug/L	99
44) trans-1,3-Dichloropropene	7.67	75	451657	103.955	ug/L	99
45) 1,1,2-Trichloroethane	7.86	97	276168	101.950	ug/L	98
46) Tetrachloroethene	8.00	164	228641	105.758	ug/L	99
48) 2-Hexanone	8.16	43	633961	226.724	ug/L	99
49) Dibromochloromethane	8.27	129	289030	102.773	ug/L	100
50) 1,2-Dibromoethane	8.37	107	298157	105.966	ug/L	100
51) Chlorobenzene	8.90	112	765792	101.106	ug/L	99
52) Ethylbenzene	9.03	91	1325830	101.594	ug/L	99
53) m,p-Xylene	9.16	106	503800	103.434	ug/L	100
54) o-xylene	9.57	106	486464	102.551	ug/L	99
55) Styrene	9.58	104	857472	105.274	ug/L	100
56) Isopropylbenzene	9.95	105	1264972	101.024	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.26	83	442113	104.203	ug/L	98
59) 1,2,3-Trichloropropane	10.30	75	351113	101.166	ug/L	98
61) Bromoform	9.75	173	181154	101.421	ug/L	99
62) 1,3-Dichlorobenzene	11.20	146	603666	100.516	ug/L	98
63) 1,4-Dichlorobenzene	11.30	146	618172	100.506	ug/L	99
65) 1,2-Dichlorobenzene	11.67	146	603577	99.365	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.45	75	93906	101.079	ug/L	99
67) 1,3,5-Trichlorobenzene	12.67	180	404796	98.294	ug/L	99
68) 1,2,4-trichlorobenzene	13.28	180	384236	103.927	ug/L	98
69) Naphthalene	13.52	128	1205691	112.168	ug/L	100
70) 1,2,3-Trichlorobenzene	13.77	180	362389	98.106	ug/L	100

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



#2

Dichlorodifluoromethane

Concen: 103.347 ug/L

RT: 1.14 min Scan# 14

Delta R.T. -0.00 min

Lab File: VV016432.D

Acq: 02 Jun 2020 17:03

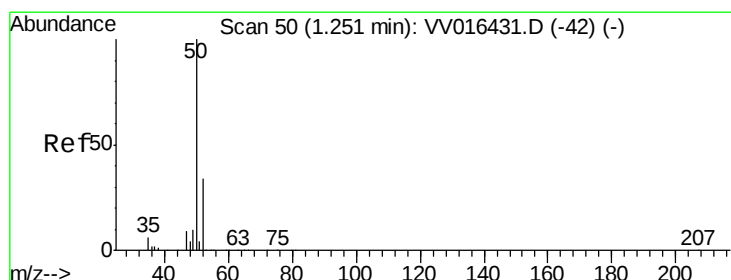
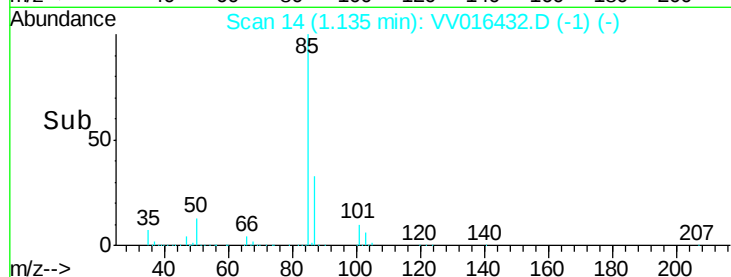
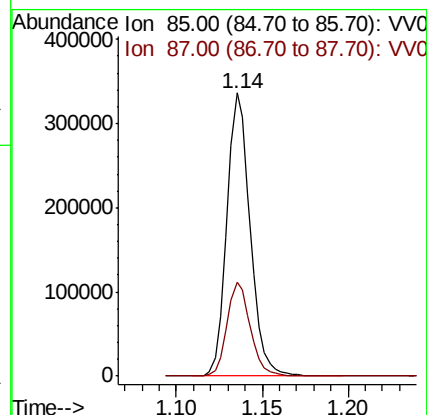
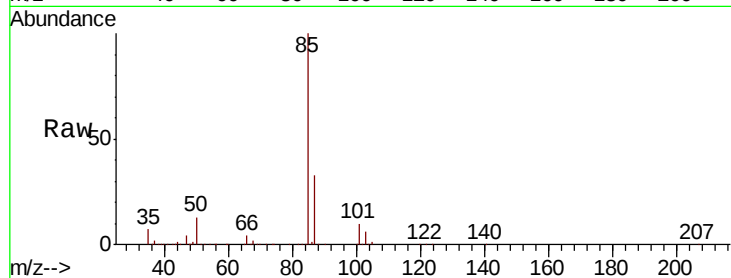
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 85 Resp: 317232

Ion Ratio Lower Upper

85 100

87 33.0 26.2 39.2



#3

Chloromethane

Concen: 95.302 ug/L

RT: 1.25 min Scan# 49

Delta R.T. -0.00 min

Lab File: VV016432.D

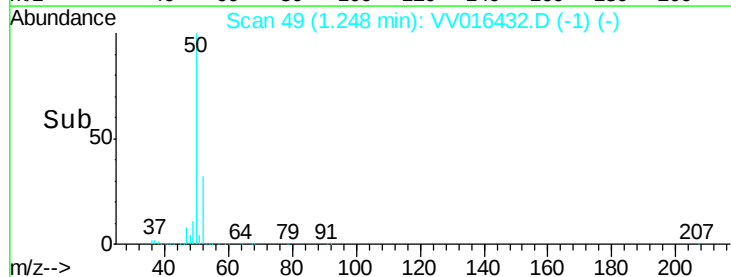
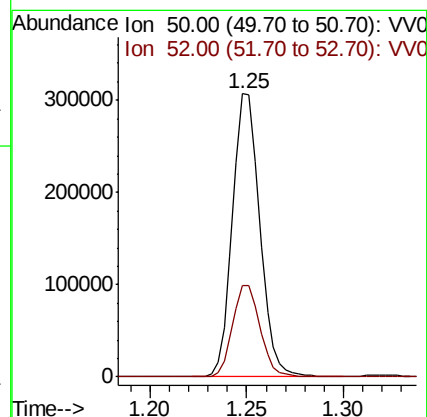
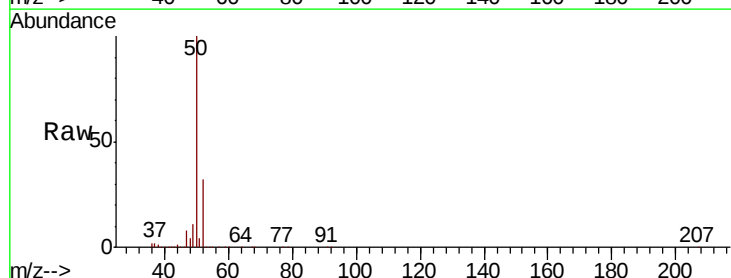
Acq: 02 Jun 2020 17:03

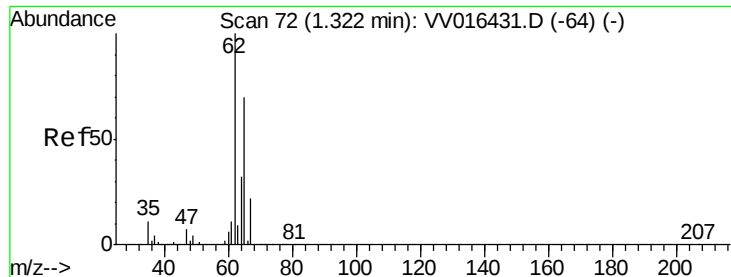
Tgt Ion: 50 Resp: 301308

Ion Ratio Lower Upper

50 100

52 32.4 23.5 43.7





#5

Vinyl chloride

Concen: 97.249 ug/L

RT: 1.32 min Scan# 71

Delta R.T. -0.00 min

Lab File: VV016432.D

Acq: 02 Jun 2020 17:03

Instrument :

MSVOA_V

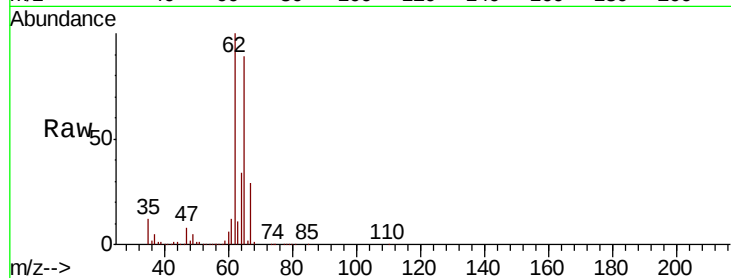
ClientSampleId :

Tot Ion: 62 Resp: 297185

Ion Ratio Lower Upper

62 100

64 33.5 22.7 42.1



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.00 (63.70 to 64.70): VV0

1.32

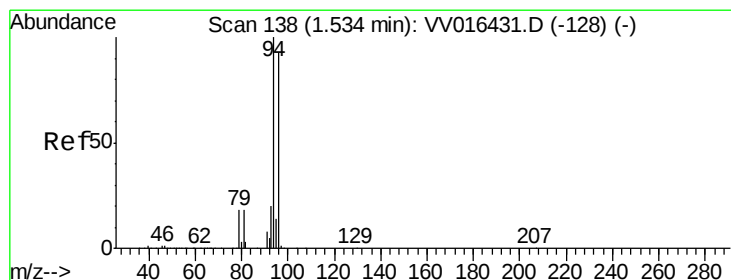
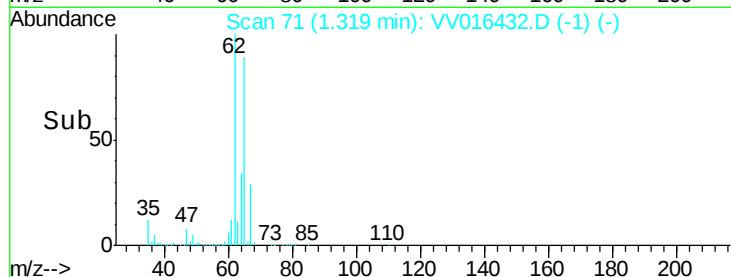
300000

200000

100000

0

Time--> 1.25 1.30 1.35 1.40



#6

Bromomethane

Concen: 89.266 ug/L

RT: 1.53 min Scan# 138

Delta R.T. -0.00 min

Lab File: VV016432.D

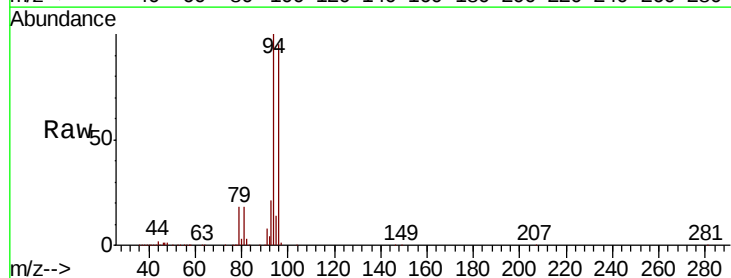
Acq: 02 Jun 2020 17:03

Tgt Ion: 94 Resp: 160469

Ion Ratio Lower Upper

94 100

96 94.5 65.1 120.9



Abundance Ion 94.00 (93.70 to 94.70): VV0

Ion 96.00 (95.70 to 96.70): VV0

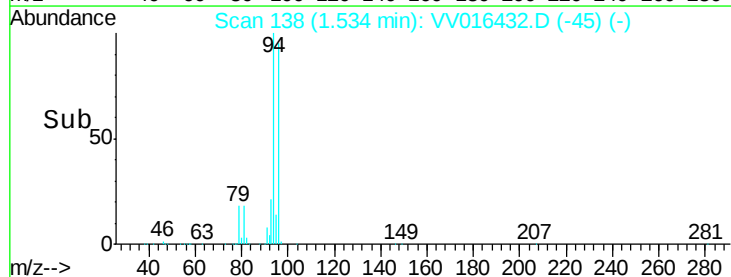
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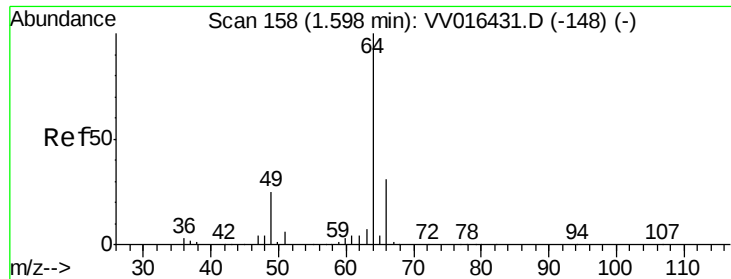
100000

50000

0

Time--> 1.50 1.55 1.60





#8

Chloroethane

Concen: 83.697 ug/L

RT: 1.60 min Scan# 158

Delta R.T. -0.00 min

Lab File: VV016432.D

Acq: 02 Jun 2020 17:03

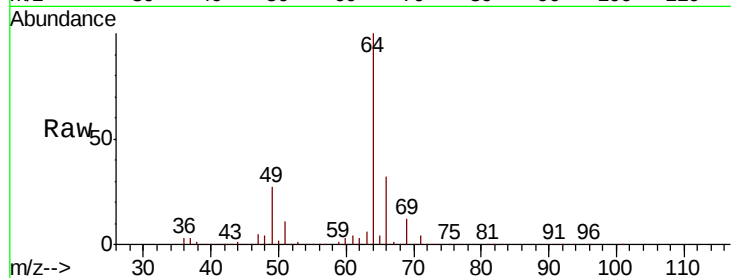
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 64 Resp: 164097

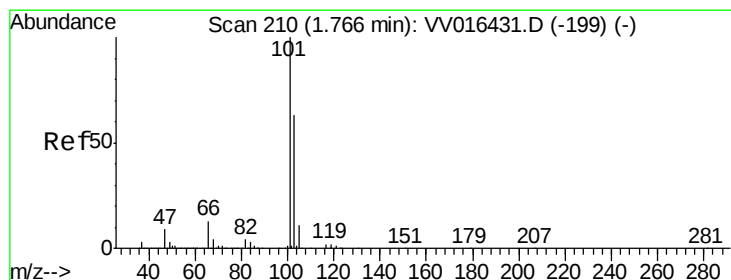
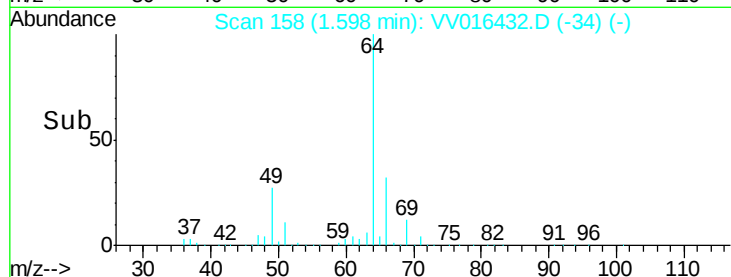
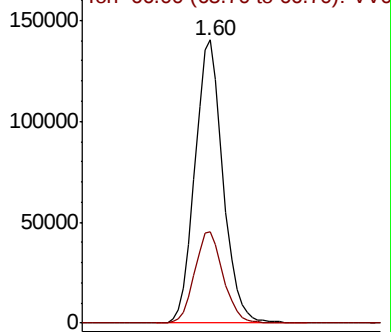
Ion Ratio Lower Upper

64 100

66 32.4 21.4 39.8



Abundance Ion 64.00 (63.70 to 64.70): VV016432.D (-34) (-)



#9

Trichlorofluoromethane

Concen: 101.960 ug/L

RT: 1.77 min Scan# 210

Delta R.T. -0.00 min

Lab File: VV016432.D

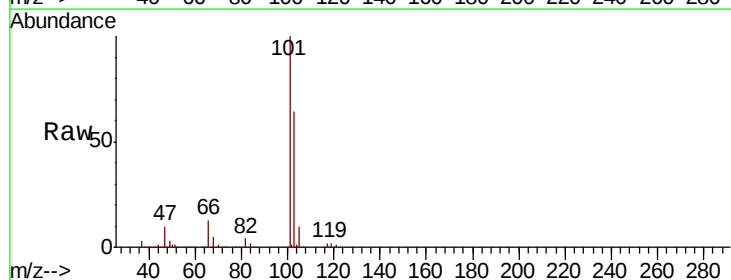
Acq: 02 Jun 2020 17:03

Tgt Ion: 101 Resp: 422642

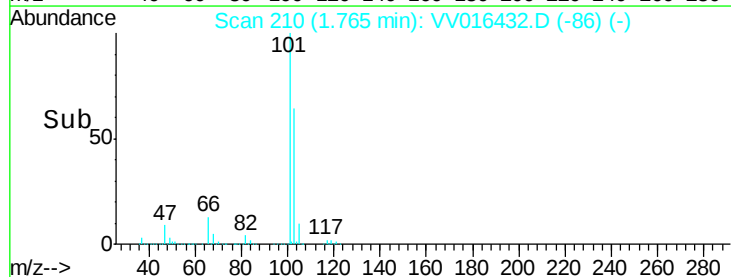
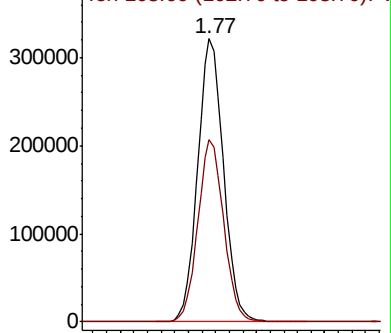
Ion Ratio Lower Upper

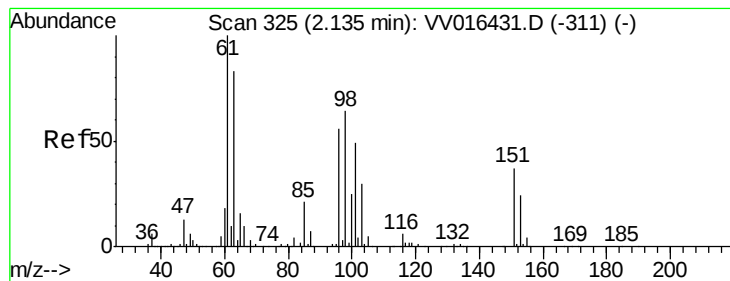
101 100

103 64.5 50.9 76.3



Abundance Ion 101.00 (100.70 to 101.70): VV016432.D (-86) (-)





#10

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

Concen: 91.259 ug/L

RT: 2.13 min Scan# 324

Delta R.T. -0.00 min

Lab File: VV016432.D

Acq: 02 Jun 2020 17:03

Instrument :

MSVOA_V

ClientSampleId :

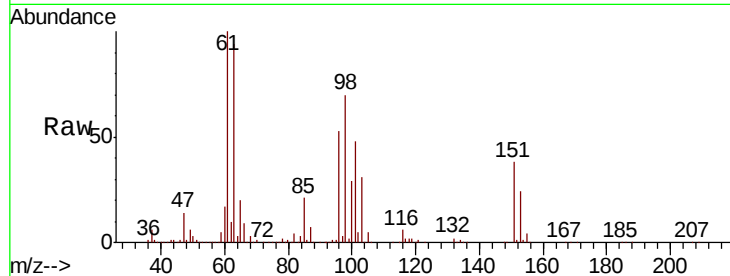
Tot Ion:101 Resp: 225307

Ion Ratio Lower Upper

101 100

85 43.5 35.6 53.4

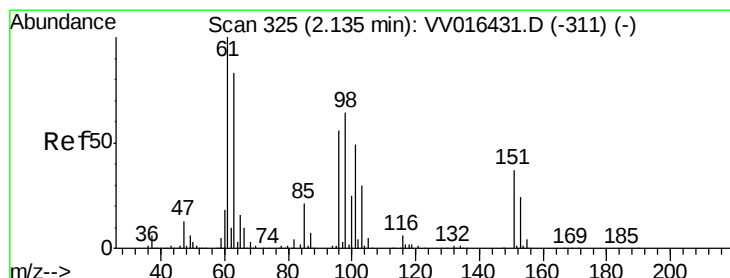
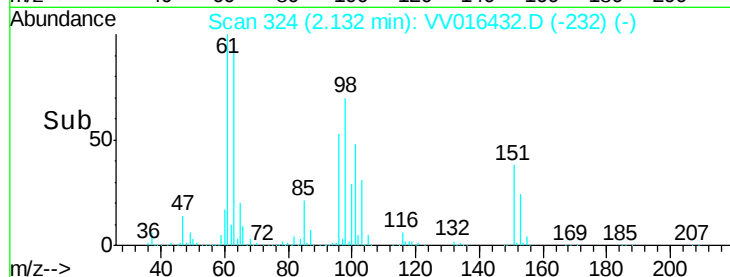
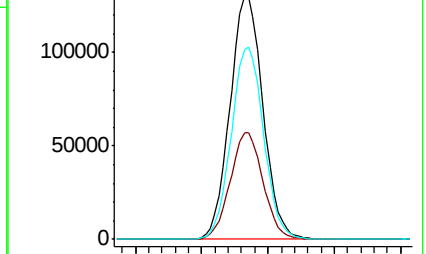
151 77.8 61.8 92.8



Abundance Ion 101.00 (100.70 to 101.70): VV016432.D (-232) (-)

Ion 85.00 (84.70 to 85.70): VV016432.D (-232) (-)

Ion 151.00 (150.70 to 151.70): VV016432.D (-232) (-)



#12

1,1-Dichloroethene

Concen: 93.849 ug/L

RT: 2.14 min Scan# 325

Delta R.T. -0.00 min

Lab File: VV016432.D

Acq: 02 Jun 2020 17:03

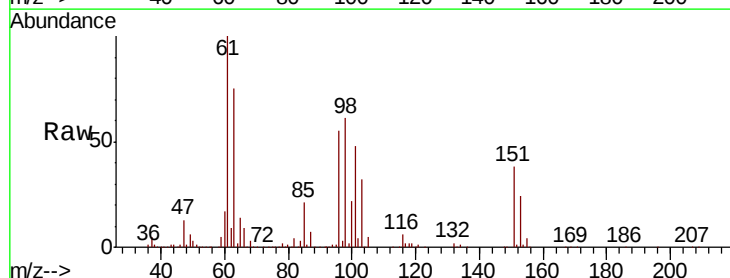
Tgt Ion: 96 Resp: 215612

Ion Ratio Lower Upper

96 100

61 181.9 125.5 233.1

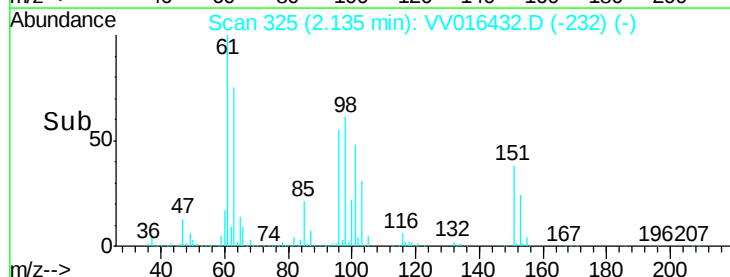
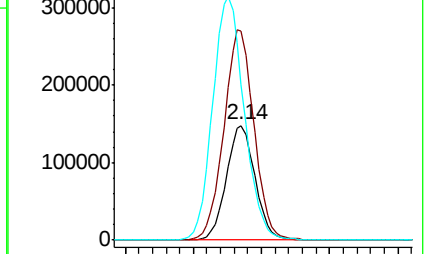
63 135.9 104.0 193.1

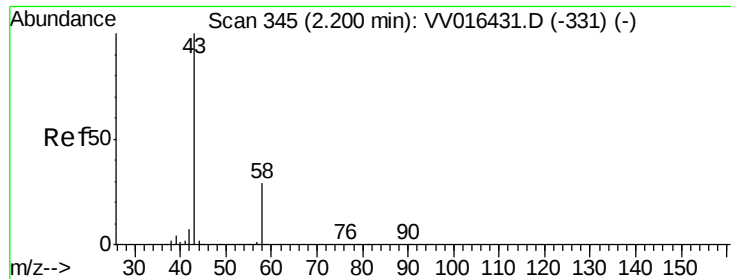


Abundance Ion 96.00 (95.70 to 96.70): VV016432.D (-232) (-)

Ion 61.00 (60.70 to 61.70): VV016432.D (-232) (-)

Ion 63.00 (62.70 to 63.70): VV016432.D (-232) (-)





#13

Acetone

Concen: 174.752 ug/L

RT: 2.20 min Scan# 345

Delta R.T. -0.00 min

Lab File: VV016432.D

Acq: 02 Jun 2020 17:03

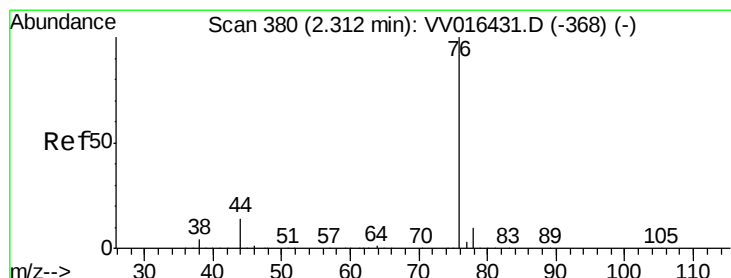
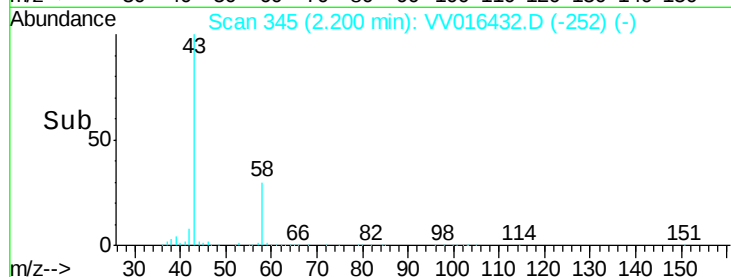
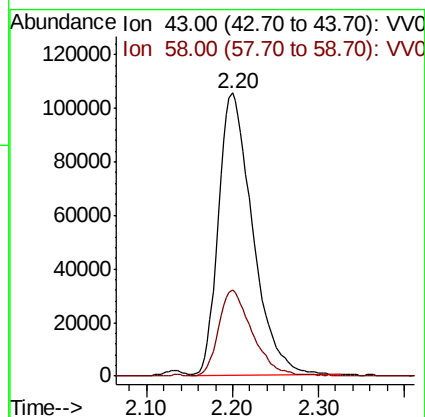
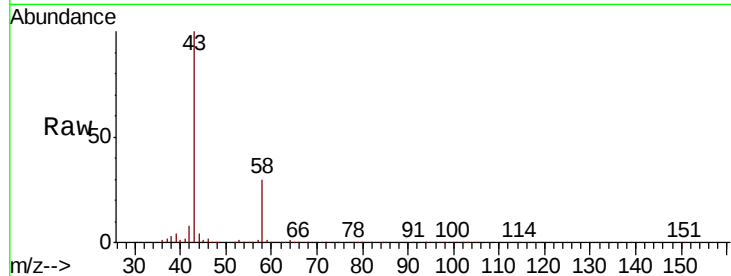
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 43 Resp: 289555

Ion Ratio Lower Upper

43 100

58 30.0 0.0 57.2



#14

Carbon disulfide

Concen: 113.621 ug/L

RT: 2.31 min Scan# 380

Delta R.T. -0.00 min

Lab File: VV016432.D

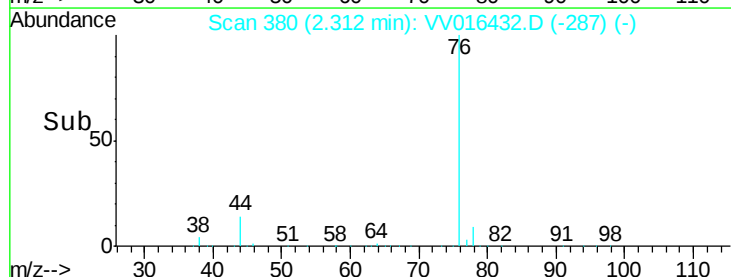
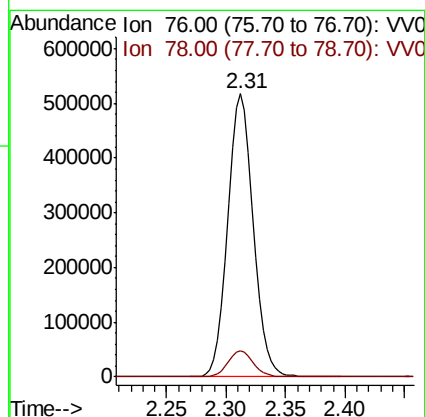
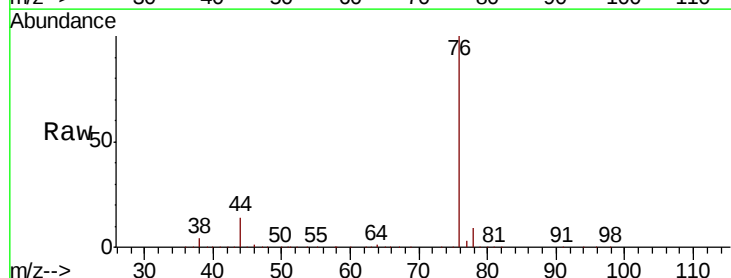
Acq: 02 Jun 2020 17:03

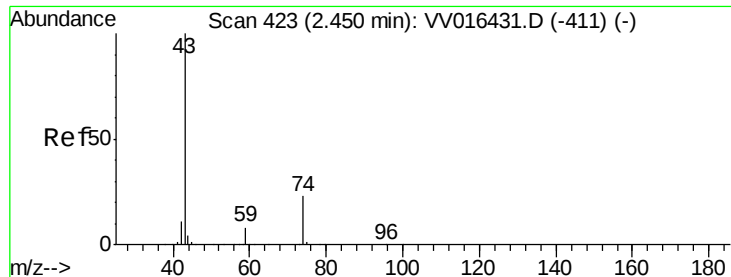
Tgt Ion: 76 Resp: 769212

Ion Ratio Lower Upper

76 100

78 9.3 7.6 11.4

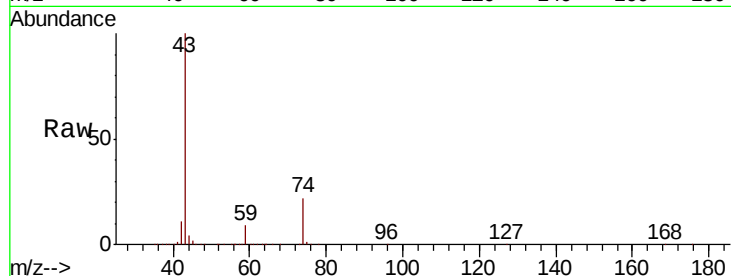




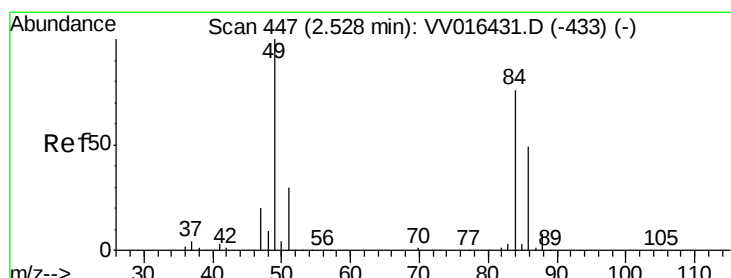
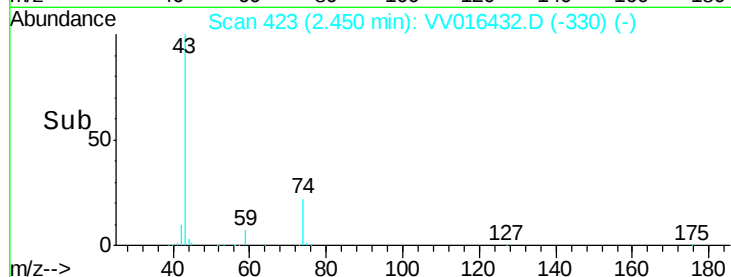
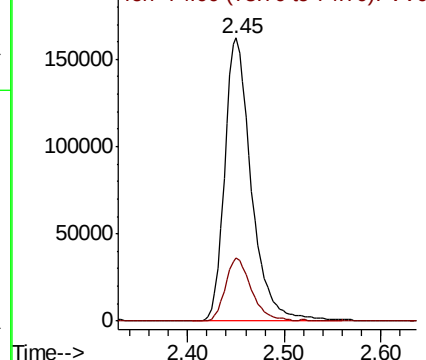
#15
Methvl Acetate
Concen: 109.858 ug/L
RT: 2.45 min Scan# 423
Delta R.T. -0.00 min
Lab File: VV016432.D
Acq: 02 Jun 2020 17:03

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 43 Resp: 308936
Ion Ratio Lower Upper
43 100
74 21.9 18.1 27.1

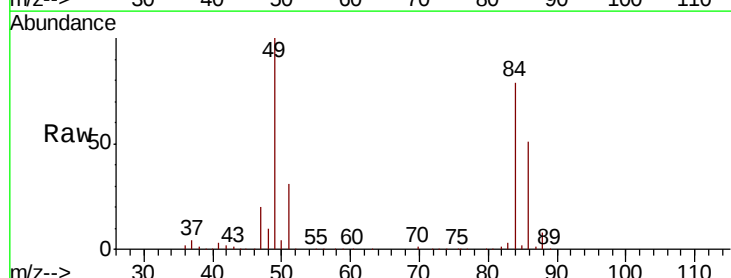


Abundance Ion 43.00 (42.70 to 43.70): VV0
Ion 74.00 (73.70 to 74.70): VV0

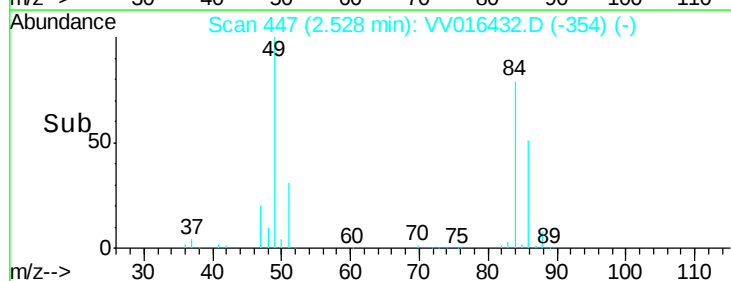
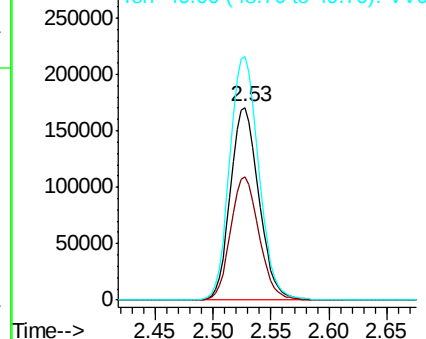


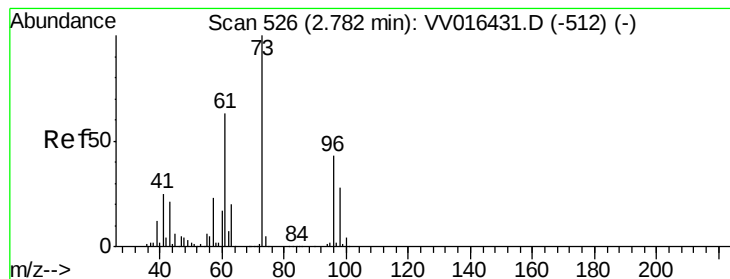
#16
Methylene chloride
Concen: 97.802 ug/L
RT: 2.53 min Scan# 447
Delta R.T. -0.00 min
Lab File: VV016432.D
Acq: 02 Jun 2020 17:03

Tgt Ion: 84 Resp: 290159
Ion Ratio Lower Upper
84 100
86 64.0 45.1 83.9
49 126.5 92.4 171.6



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: 105.453 ug/L

RT: 2.78 min Scan# 526

Delta R.T. -0.00 min

Lab File: VV016432.D

Acq: 02 Jun 2020 17:03

Instrument :

MSVOA_V

ClientSampled :

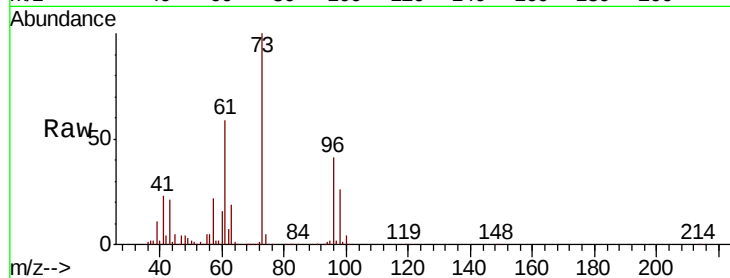
Tot Ion: 96 Resp: 272374

Ion Ratio Lower Upper

96 100

61 143.2 101.0 187.6

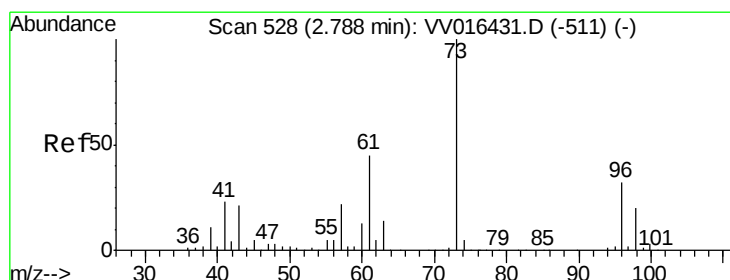
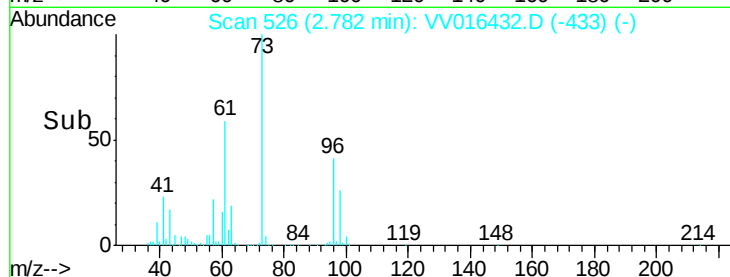
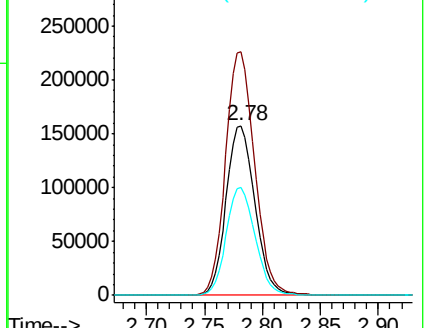
98 63.7 44.7 83.1



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: 100.198 ug/L

RT: 2.79 min Scan# 528

Delta R.T. -0.00 min

Lab File: VV016432.D

Acq: 02 Jun 2020 17:03

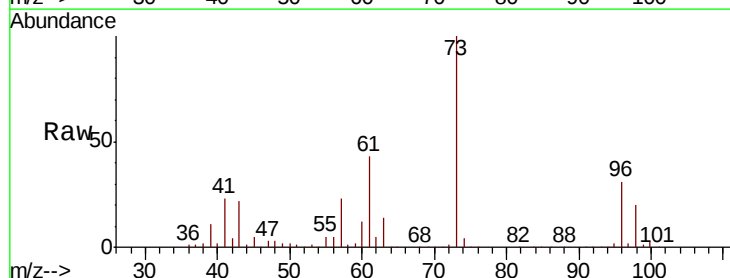
Tgt Ion: 73 Resp: 866823

Ion Ratio Lower Upper

73 100

43 21.4 17.0 25.4

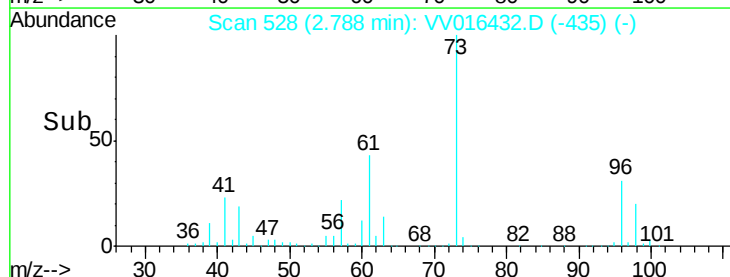
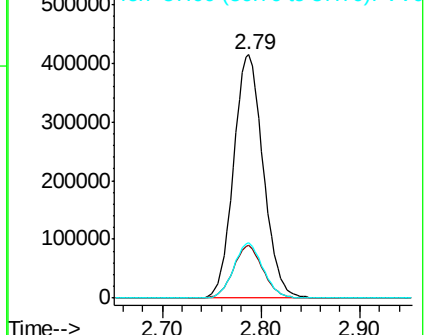
57 22.4 17.8 26.8

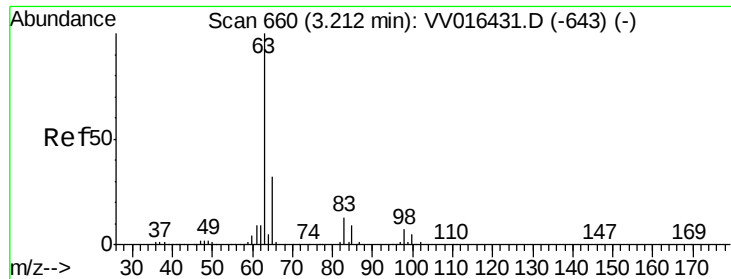


Abundance Ion 73.00 (72.70 to 73.70): VV0

Ion 43.00 (42.70 to 43.70): VV0

Ion 57.00 (56.70 to 57.70): VV0

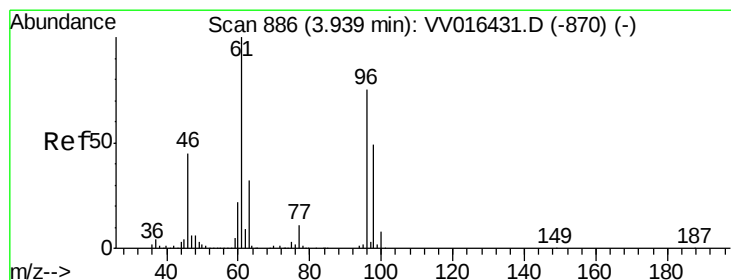
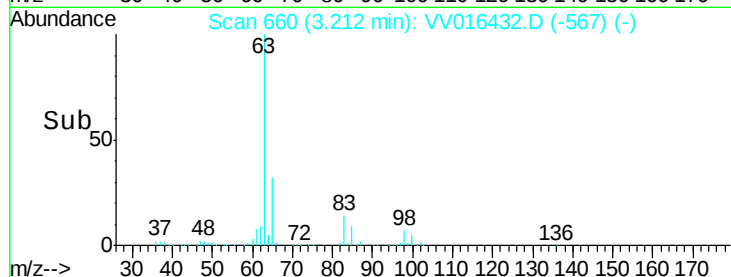
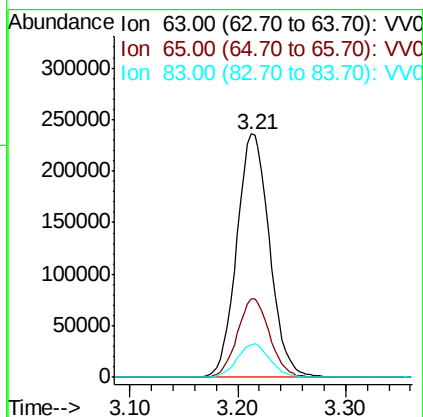
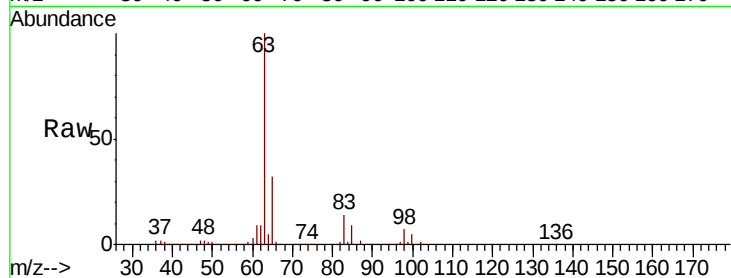




#19
 1,1-Dichloroethane
 Concen: 96.582 ug/L
 RT: 3.21 min Scan# 660
 Delta R.T. -0.00 min
 Lab File: VV016432.D
 Acq: 02 Jun 2020 17:03

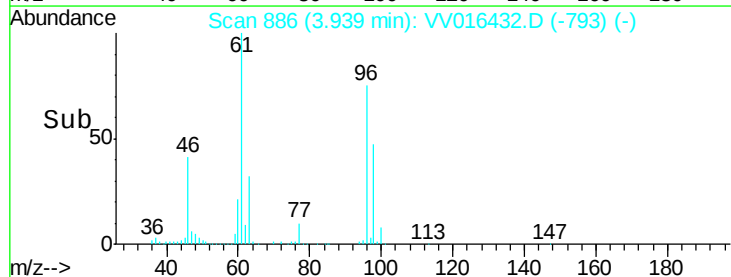
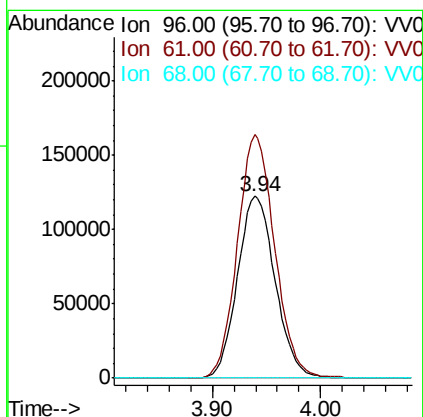
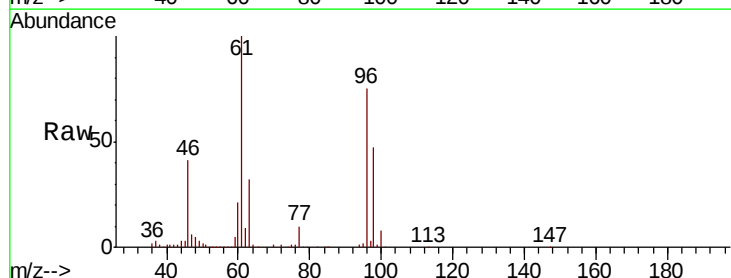
Instrument :
 MSVOA_V
 ClientSampled :

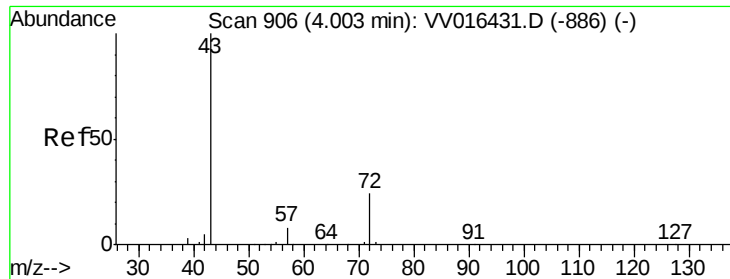
Tot Ion: 63 Resp: 499524
 Ion Ratio Lower Upper
 63 100
 65 32.1 22.2 41.2
 83 13.5 9.1 16.9



#20
 cis-1,2-Dichloroethene
 Concen: 104.731 ug/L
 RT: 3.94 min Scan# 886
 Delta R.T. -0.00 min
 Lab File: VV016432.D
 Acq: 02 Jun 2020 17:03

Tgt Ion: 96 Resp: 297720
 Ion Ratio Lower Upper
 96 100
 61 133.9 93.4 173.4
 68 0.0 0.0 0.0





#22

2-Butanone

Concen: 228.193 ug/L

RT: 4.00 min Scan# 904

Delta R.T. -0.01 min

Lab File: VV016432.D

Acq: 02 Jun 2020 17:03

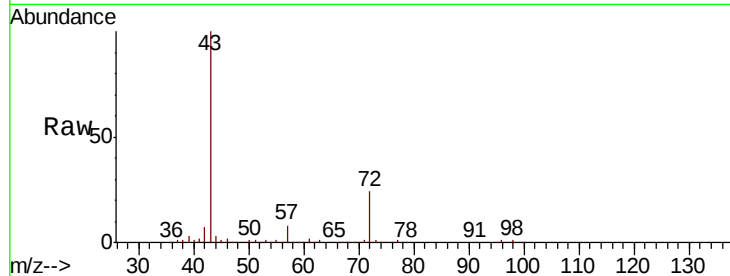
Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 43 Resp: 428072

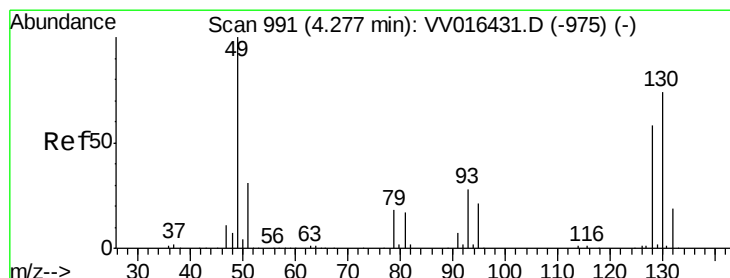
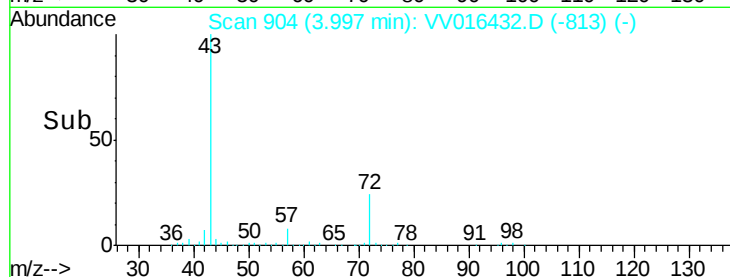
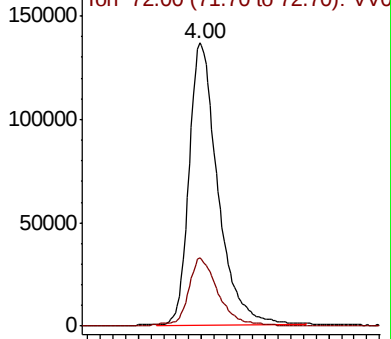
Ion Ratio Lower Upper

43 100

72 25.4 12.8 38.3



Abundance Ion 43.00 (42.70 to 43.70): VV016432.D (-813) (-)



#23

Bromochloromethane

Concen: 103.328 ug/L

RT: 4.28 min Scan# 991

Delta R.T. -0.00 min

Lab File: VV016432.D

Acq: 02 Jun 2020 17:03

Tgt Ion:128 Resp: 154179

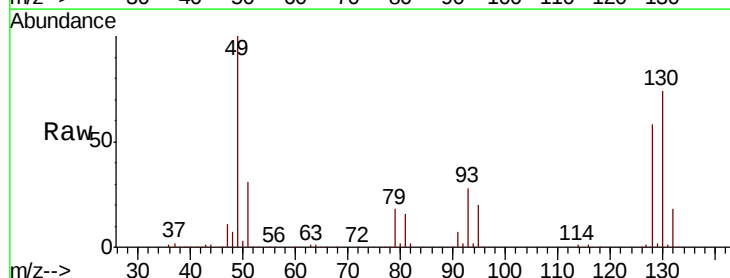
Ion Ratio Lower Upper

128 100

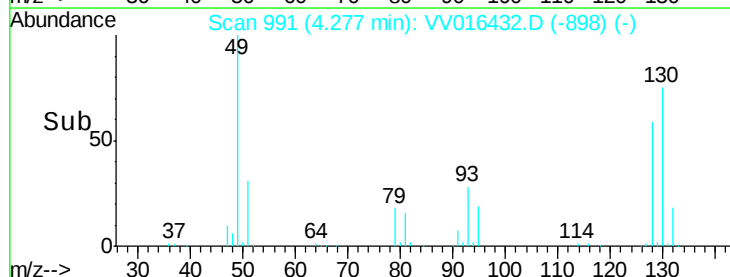
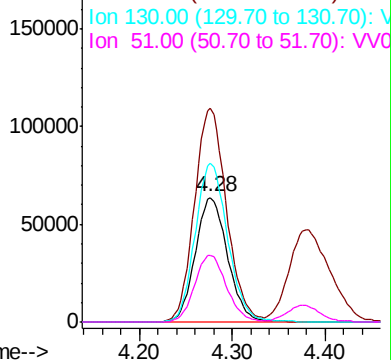
49 171.5 121.7 225.9

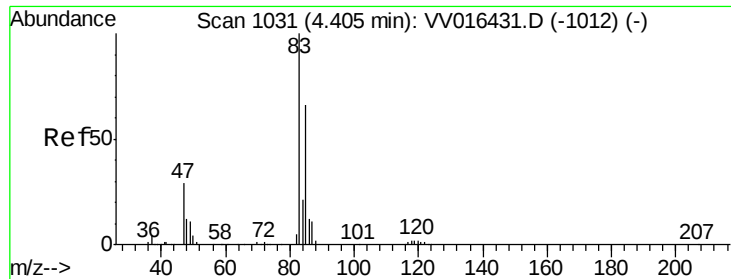
130 127.3 90.1 167.3

51 53.9 43.8 65.6



Abundance Ion 128.00 (127.70 to 128.70): VV016432.D (-898) (-)

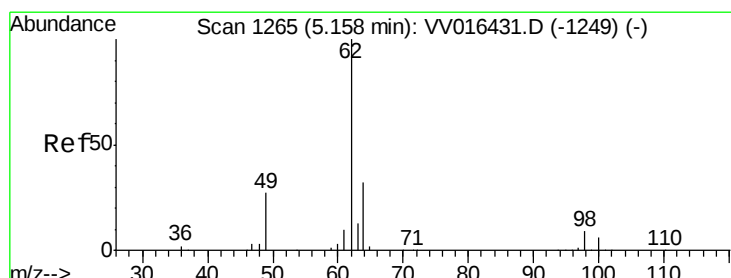
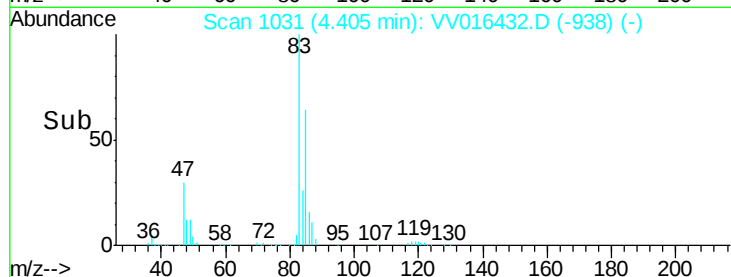
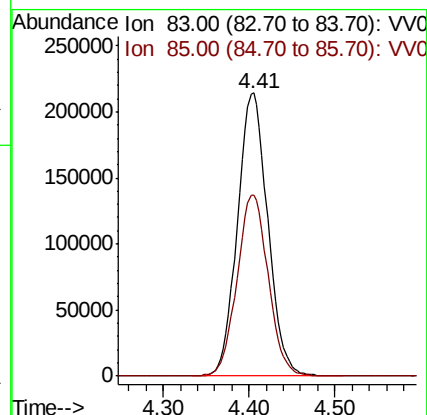
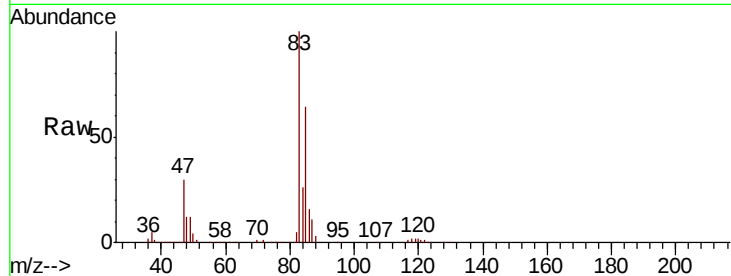




#25
Chloroform
Concen: 97.262 ug/L
RT: 4.41 min Scan# 1031
Delta R.T. -0.00 min
Lab File: VV016432.D
Acq: 02 Jun 2020 17:03

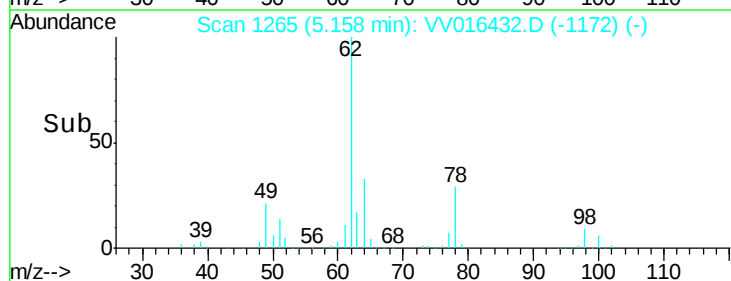
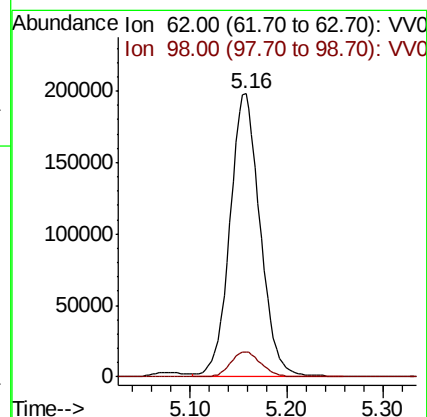
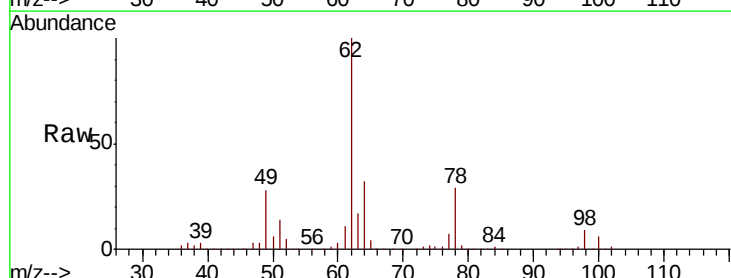
Instrument :
MSVOA_V
ClientSampleId :

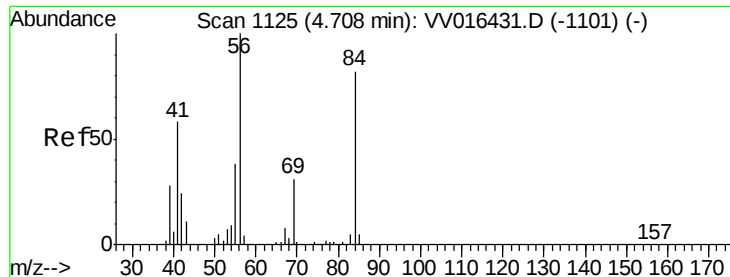
Tot Ion: 83 Resp: 525396
Ion Ratio Lower Upper
83 100
85 64.0 46.1 85.7



#27
1,2-Dichloroethane
Concen: 98.470 ug/L
RT: 5.16 min Scan# 1265
Delta R.T. -0.00 min
Lab File: VV016432.D
Acq: 02 Jun 2020 17:03

Tgt Ion: 62 Resp: 427885
Ion Ratio Lower Upper
62 100
98 8.9 6.9 10.3

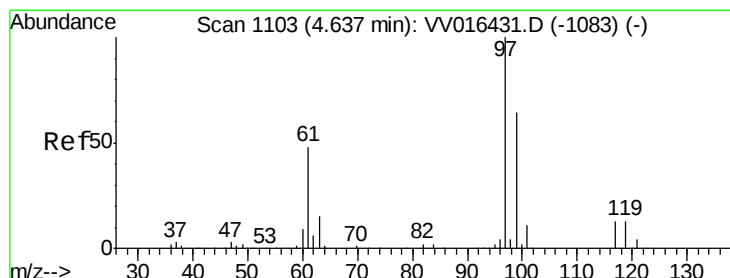
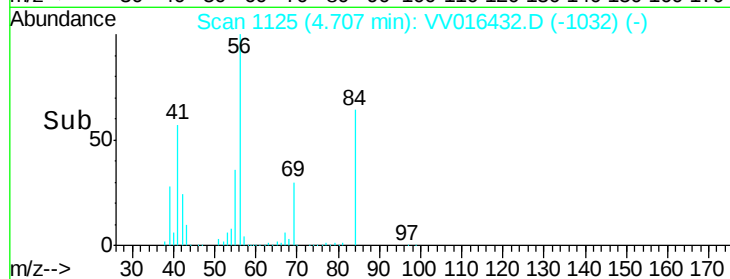
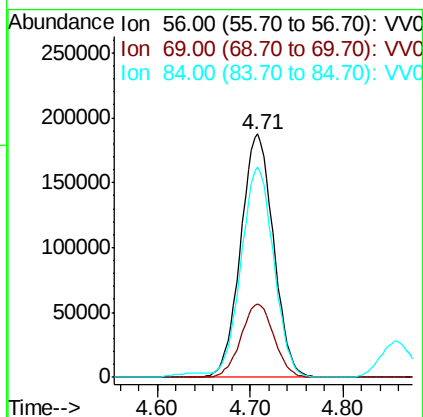
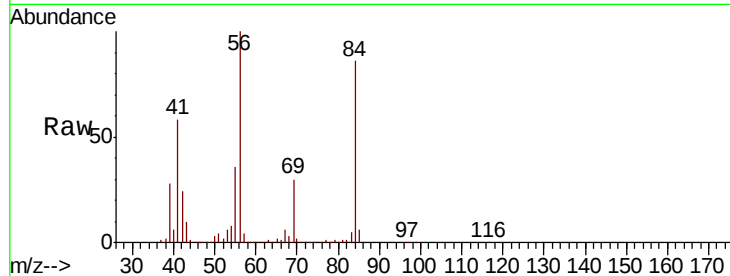




#29
Cyclohexane
Concen: 105.445 ug/L
RT: 4.71 min Scan# 1125
Delta R.T. -0.00 min
Lab File: VV016432.D
Acq: 02 Jun 2020 17:03

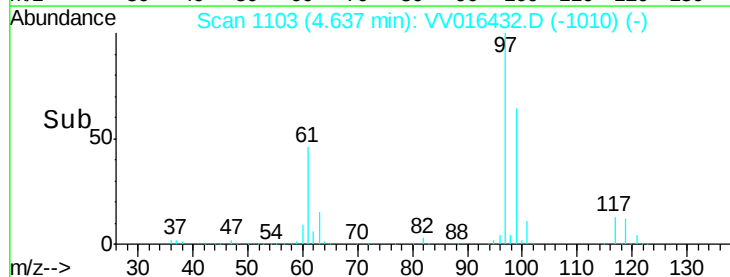
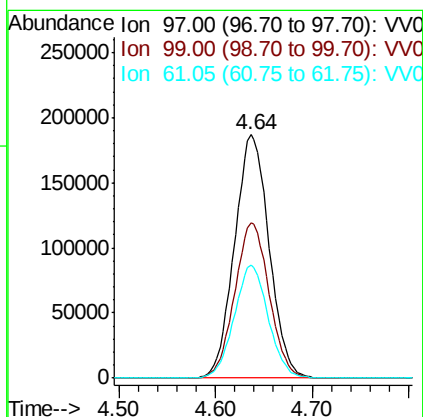
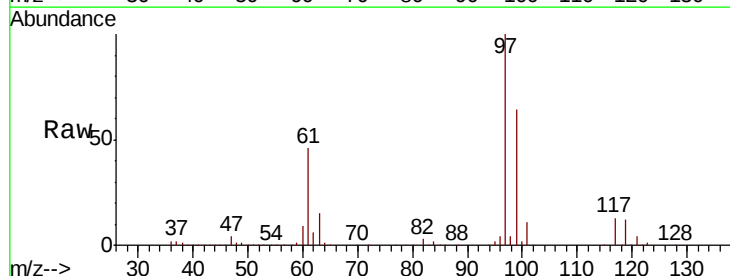
Instrument :
MSVOA_V
ClientSampleId :

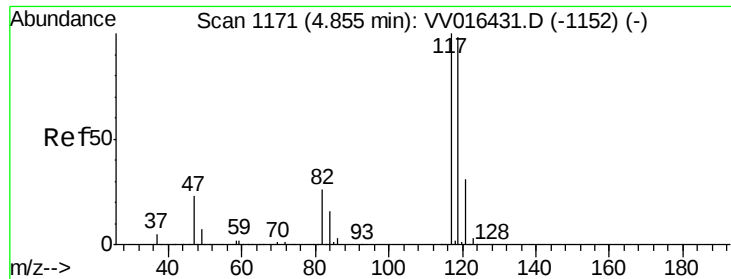
Tot Ion: 56 Resp: 460302
Ion Ratio Lower Upper
56 100
69 30.3 23.9 35.9
84 85.8 68.2 102.2



#30
1,1,1-Trichloroethane
Concen: 98.055 ug/L
RT: 4.64 min Scan# 1103
Delta R.T. -0.00 min
Lab File: VV016432.D
Acq: 02 Jun 2020 17:03

Tgt Ion: 97 Resp: 464863
Ion Ratio Lower Upper
97 100
99 63.7 51.8 77.8
61 45.5 37.4 56.0





#31

Carbon tetrachloride

Concen: 99.974 ug/L

RT: 4.86 min Scan# 1171

Delta R.T. -0.00 min

Lab File: VV016432.D

Acq: 02 Jun 2020 17:03

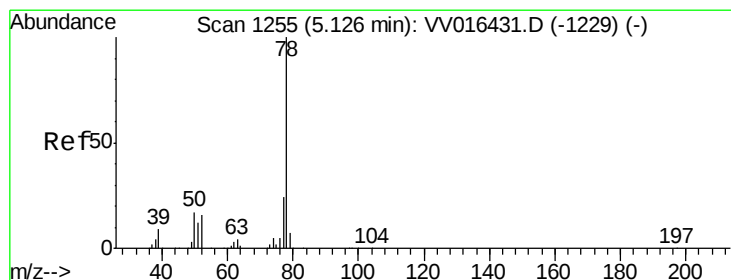
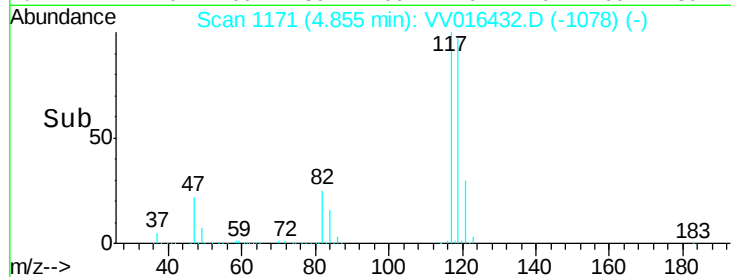
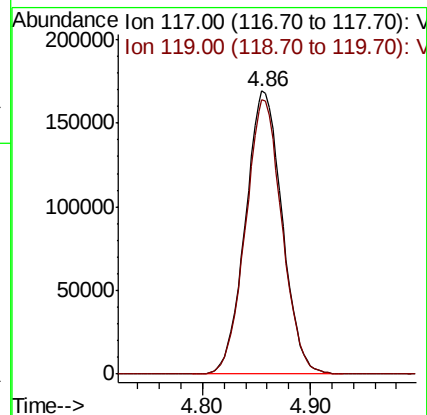
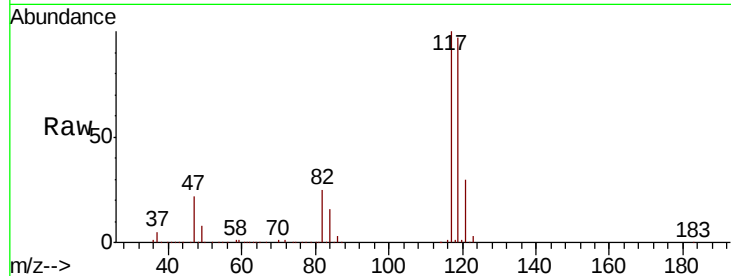
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion:117 Resp: 399925

Ion Ratio Lower Upper

117 100

119 96.1 77.8 116.6



#33

Benzene

Concen: 102.044 ug/L

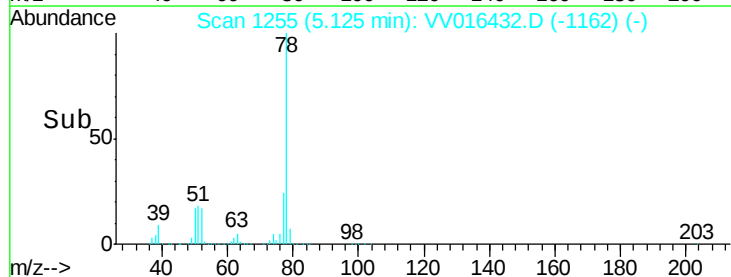
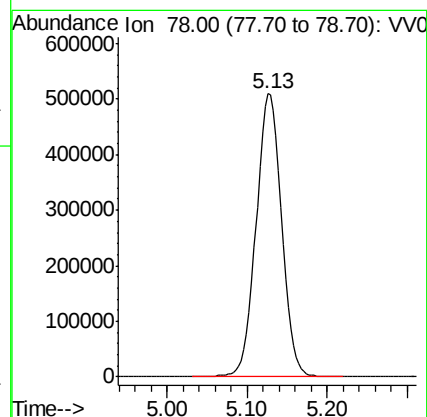
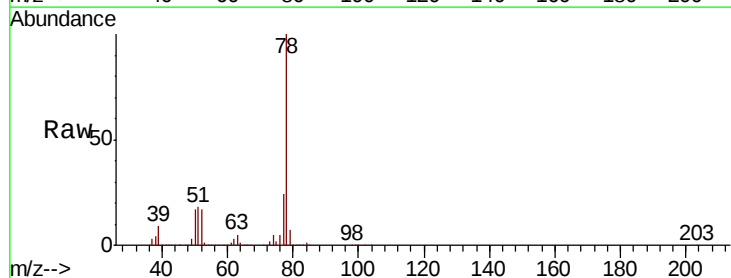
RT: 5.13 min Scan# 1255

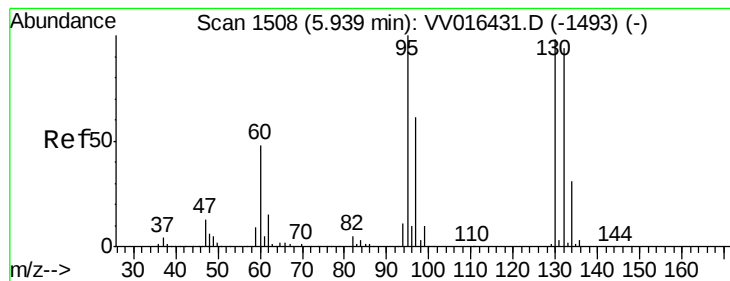
Delta R.T. -0.00 min

Lab File: VV016432.D

Acq: 02 Jun 2020 17:03

Tgt Ion: 78 Resp: 1109710





#34

Trichloroethene

Concen: 102.719 ug/L

RT: 5.94 min Scan# 1508

Delta R.T. -0.00 min

Lab File: VV016432.D

Acq: 02 Jun 2020 17:03

Instrument :

MSVOA_V

ClientSampleId :

Tot Ion: 95 Resp: 288103

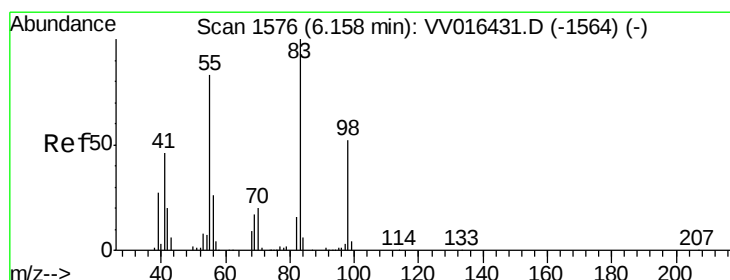
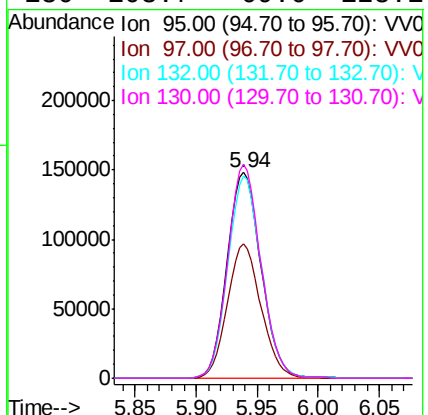
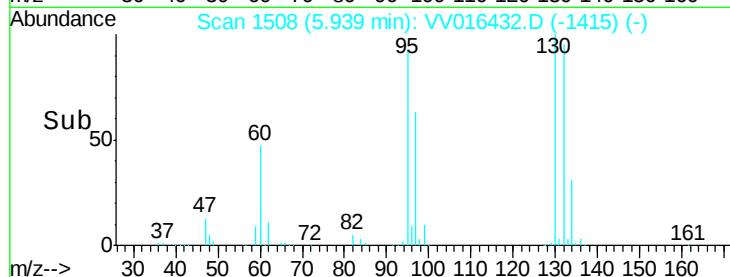
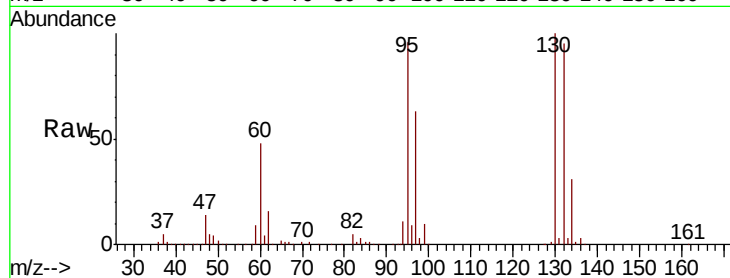
Ion Ratio Lower Upper

95 100

97 65.2 42.8 79.6

132 98.3 65.6 121.8

130 103.7 69.0 128.1



#35

Methylcyclohexane

Concen: 101.354 ug/L

RT: 6.16 min Scan# 1576

Delta R.T. -0.00 min

Lab File: VV016432.D

Acq: 02 Jun 2020 17:03

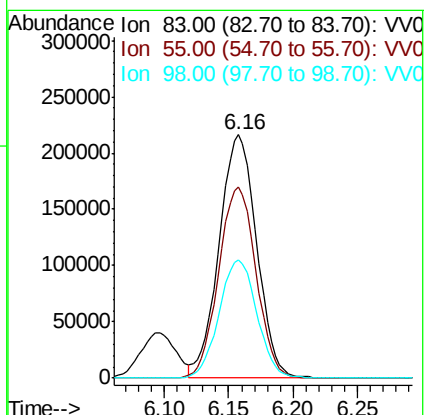
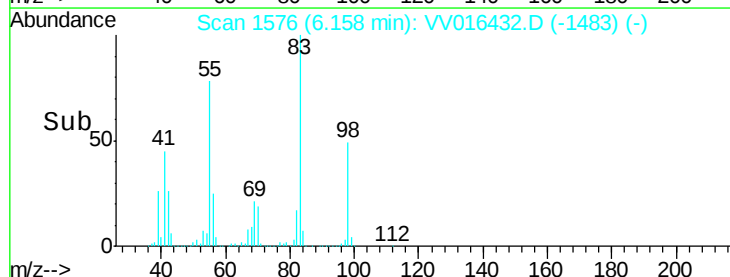
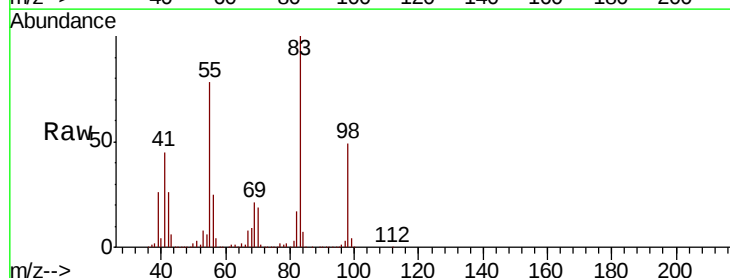
Tgt Ion: 83 Resp: 437532

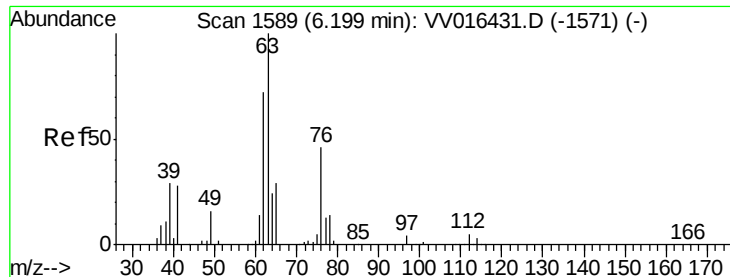
Ion Ratio Lower Upper

83 100

55 78.3 63.4 95.0

98 49.0 39.4 59.0

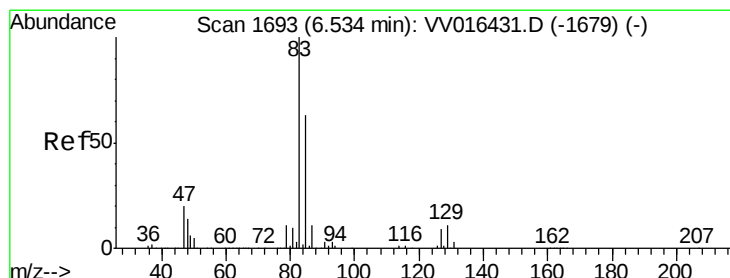
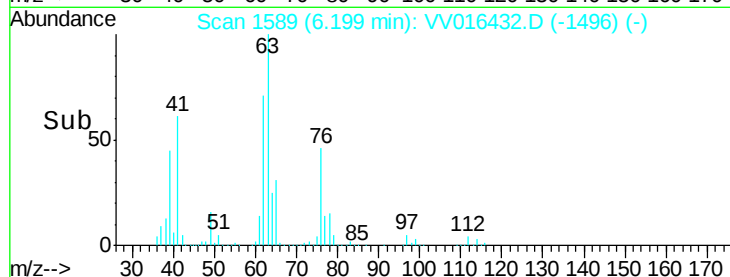
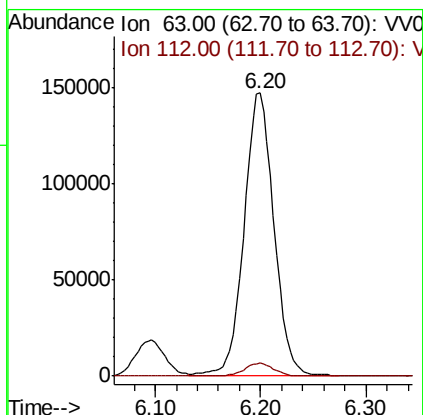
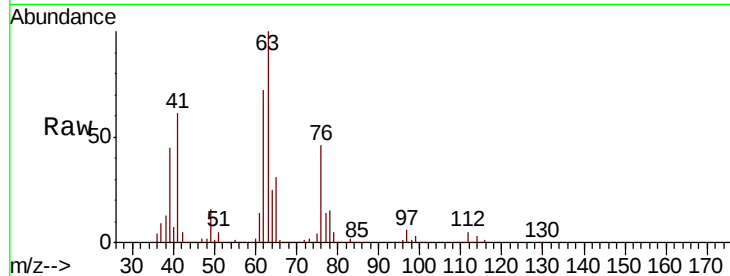




#37
 1,2-Dichloropropane
 Concen: 99.357 ug/L
 RT: 6.20 min Scan# 1589
 Delta R.T. -0.00 min
 Lab File: VV016432.D
 Acq: 02 Jun 2020 17:03

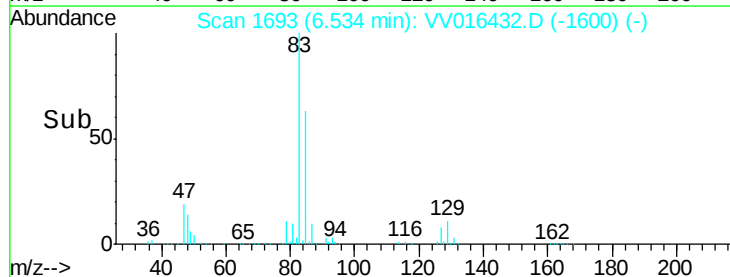
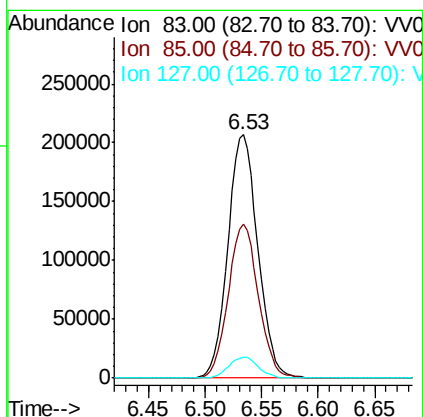
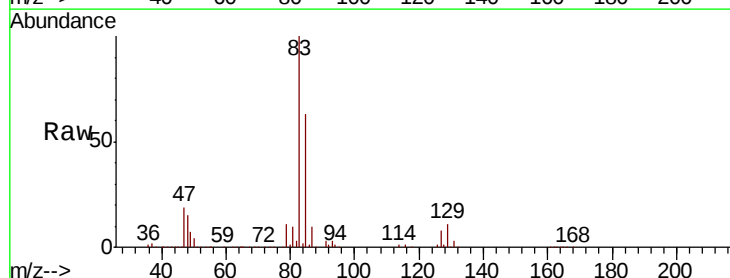
Instrument :
 MSVOA_V
 ClientSampleId :

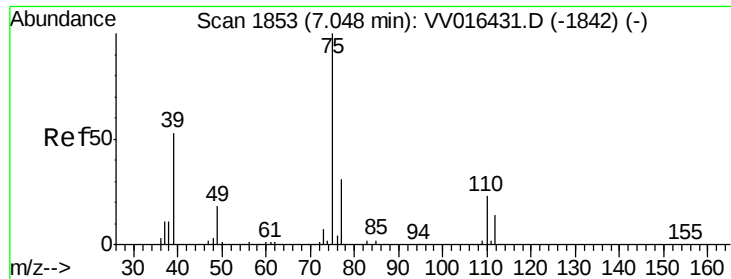
Tot Ion: 63 Resp: 289081
 Ion Ratio Lower Upper
 63 100
 112 4.6 3.9 5.9



#38
 Bromodichloromethane
 Concen: 98.410 ug/L
 RT: 6.53 min Scan# 1693
 Delta R.T. -0.00 min
 Lab File: VV016432.D
 Acq: 02 Jun 2020 17:03

Tgt Ion: 83 Resp: 382432
 Ion Ratio Lower Upper
 83 100
 85 63.3 44.4 82.5
 127 8.4 7.1 10.7

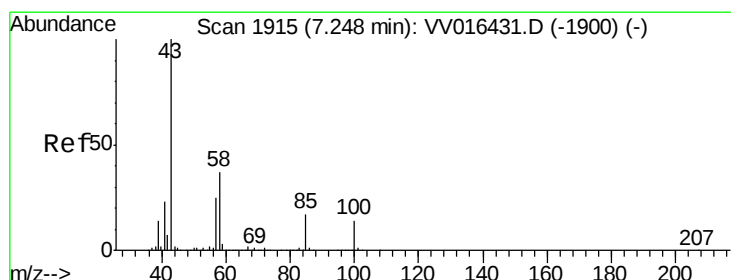
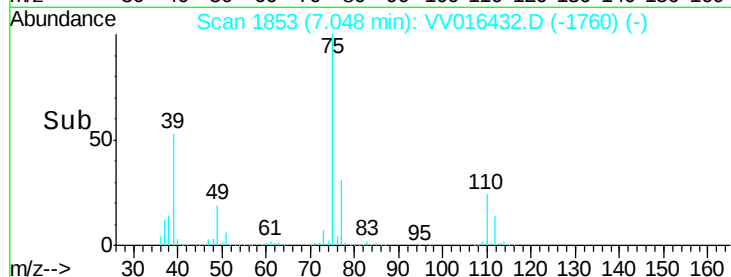
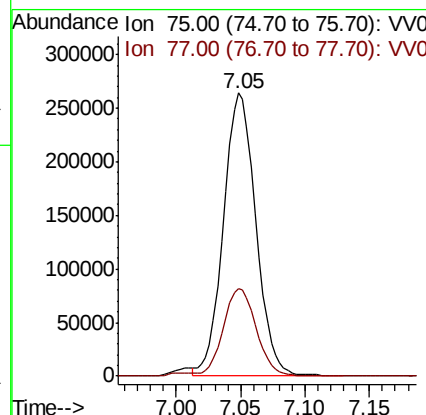
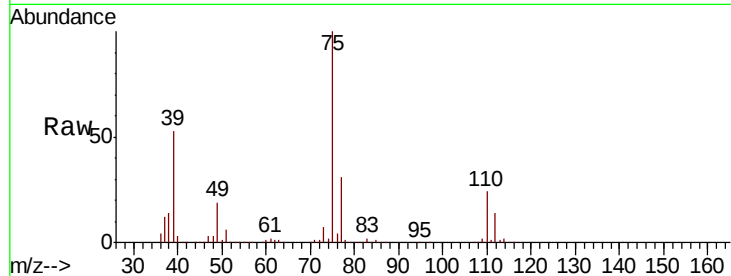




#39
 cis-1,3-Dichloropropene
 Concen: 105.034 ug/L
 RT: 7.05 min Scan# 1853
 Delta R.T. -0.00 min
 Lab File: VV016432.D
 Acq: 02 Jun 2020 17:03

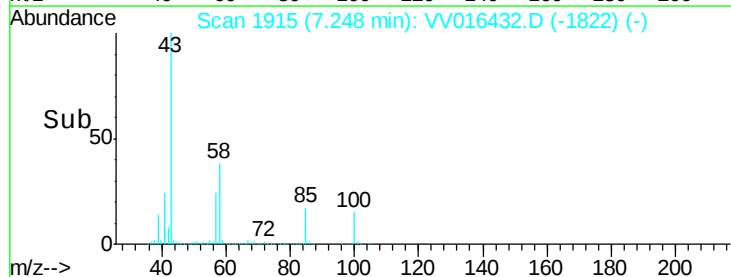
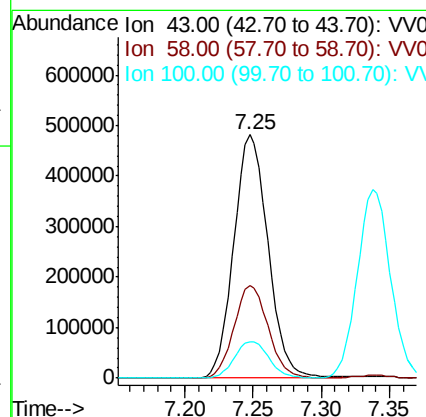
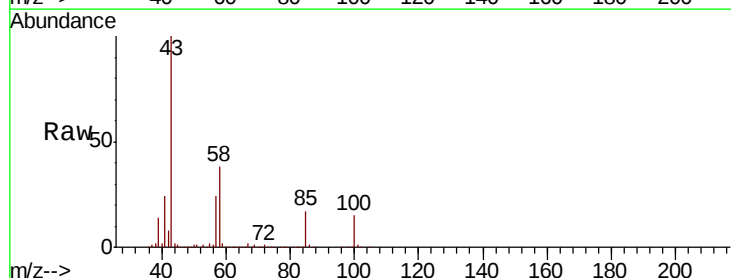
Instrument :
 MSVOA_V
 ClientSampled :

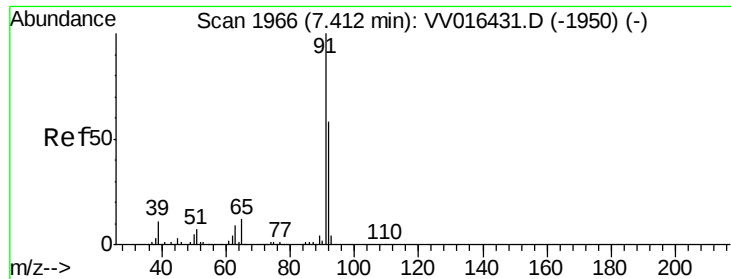
Tot Ion: 75 Resp: 459727
 Ion Ratio Lower Upper
 75 100
 77 31.1 22.0 41.0



#40
 4-Methyl-2-pentanone
 Concen: 227.666 ug/L
 RT: 7.25 min Scan# 1915
 Delta R.T. -0.00 min
 Lab File: VV016432.D
 Acq: 02 Jun 2020 17:03

Tgt Ion: 43 Resp: 840352
 Ion Ratio Lower Upper
 43 100
 58 38.1 29.9 44.9
 100 15.2 11.9 17.9





#42

Toluene

Concen: 102.320 ug/L

RT: 7.41 min Scan# 1965

Delta R.T. -0.00 min

Lab File: VV016432.D

Acq: 02 Jun 2020 17:03

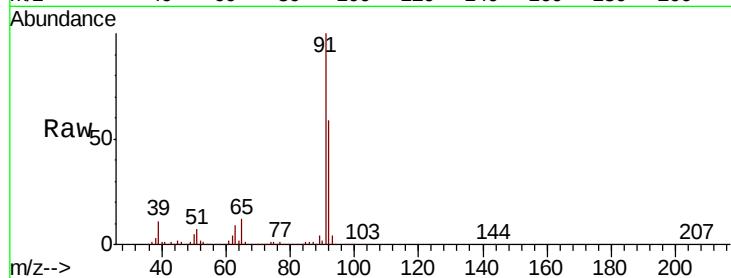
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 91 Resp: 1190248

Ion Ratio Lower Upper

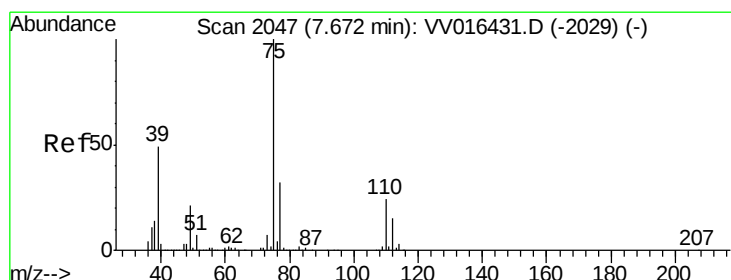
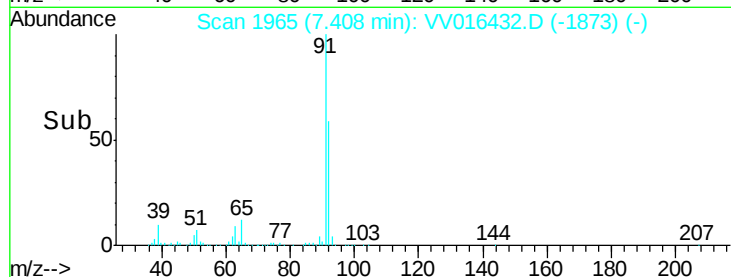
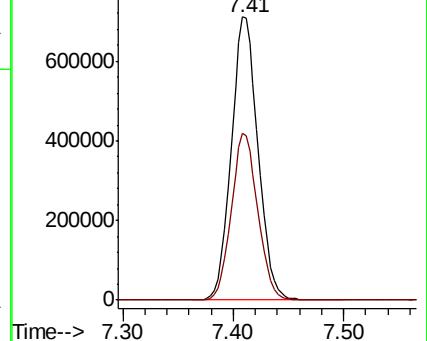
91 100

92 58.9 40.9 75.9



Abundance Ion 91.00 (90.70 to 91.70): VV0

Ion 92.00 (91.70 to 92.70): VV0



#44

trans-1,3-Dichloropropene

Concen: 103.955 ug/L

RT: 7.67 min Scan# 2047

Delta R.T. -0.00 min

Lab File: VV016432.D

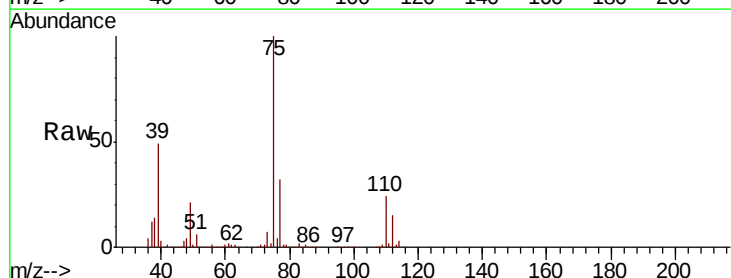
Acq: 02 Jun 2020 17:03

Tgt Ion: 75 Resp: 451657

Ion Ratio Lower Upper

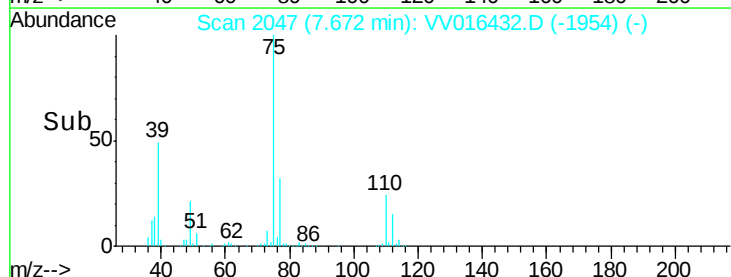
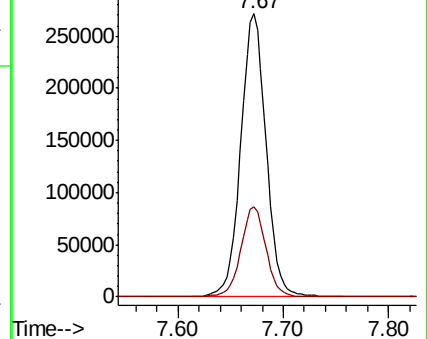
75 100

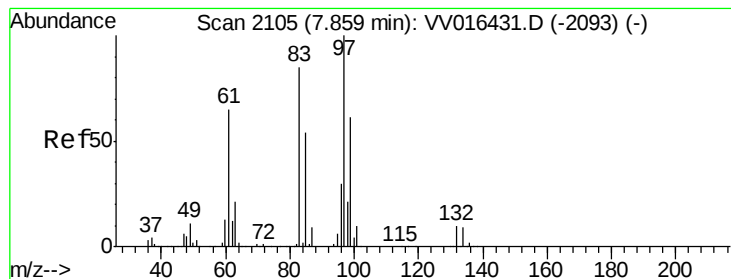
77 32.0 22.2 41.2



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: 101.950 ug/L

RT: 7.86 min Scan# 2106

Delta R.T. 0.00 min

Lab File: VV016432.D

Acq: 02 Jun 2020 17:03

Instrument :

MSVOA_V

ClientSampleId :

Tot Ion: 97 Resp: 276168

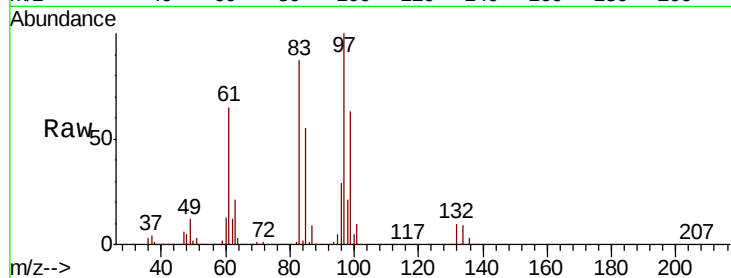
Ion Ratio Lower Upper

97 100

99 63.1 42.9 79.7

83 87.0 59.3 110.1

85 55.2 37.5 69.7

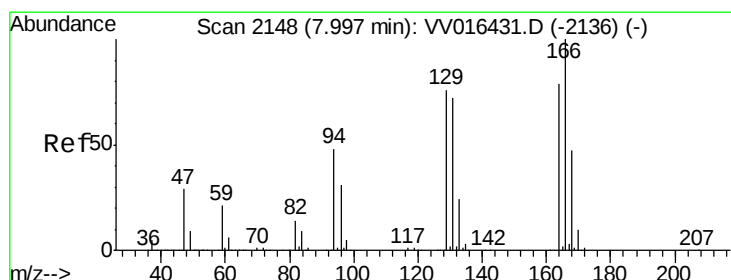
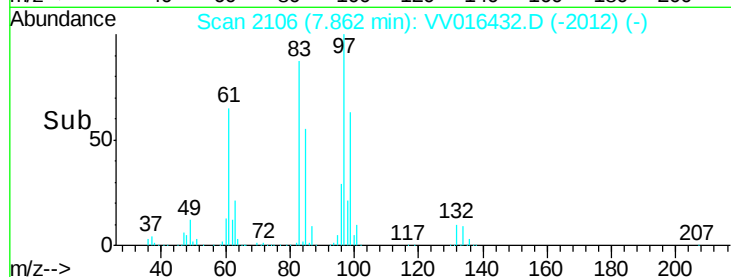
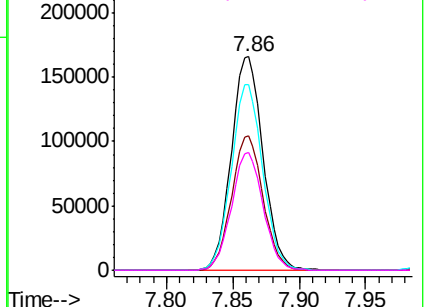


Abundance Ion 97.00 (96.70 to 97.70): VV0

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: 105.758 ug/L

RT: 8.00 min Scan# 2148

Delta R.T. -0.00 min

Lab File: VV016432.D

Acq: 02 Jun 2020 17:03

Tgt Ion: 164 Resp: 228641

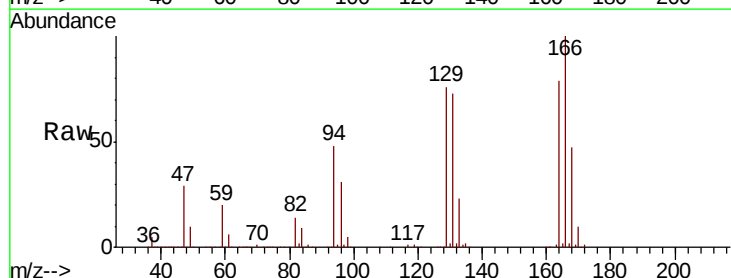
Ion Ratio Lower Upper

164 100

129 95.5 67.7 125.7

131 91.8 63.8 118.6

166 126.1 88.7 164.7

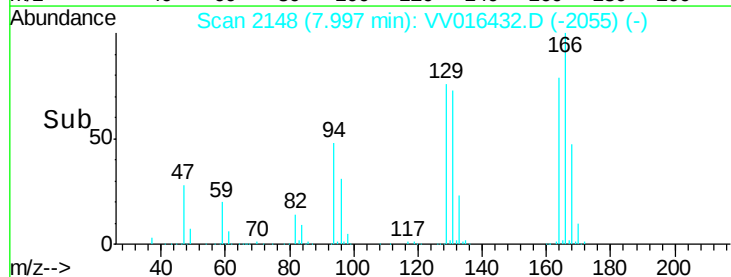
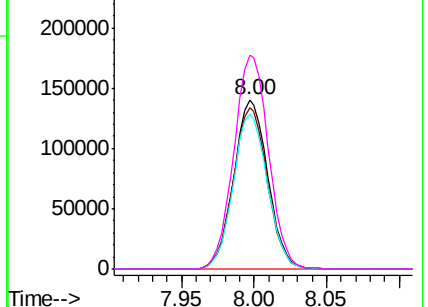


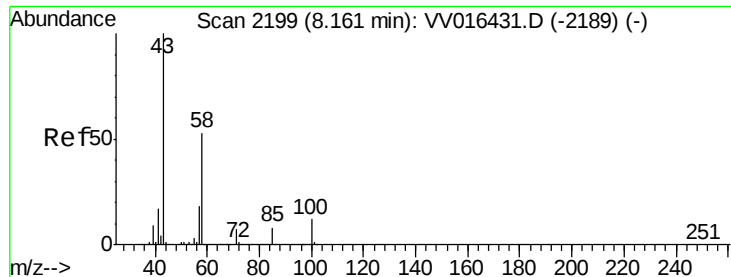
Abundance Ion 164.00 (163.70 to 164.70): V

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

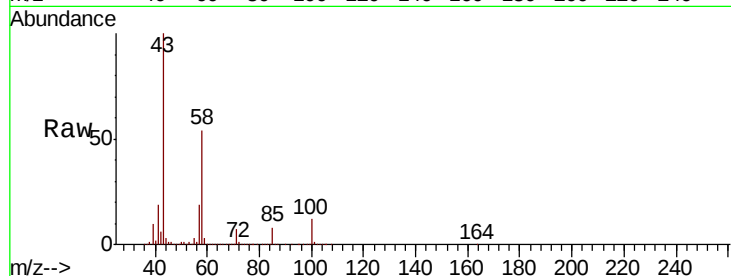




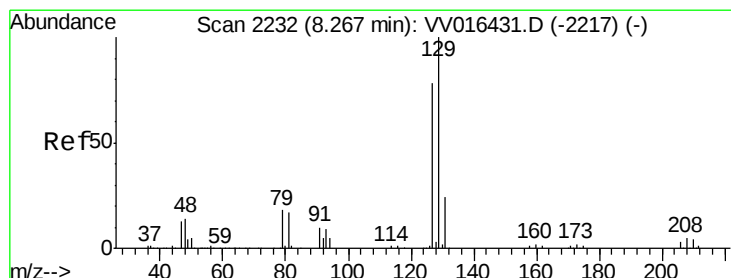
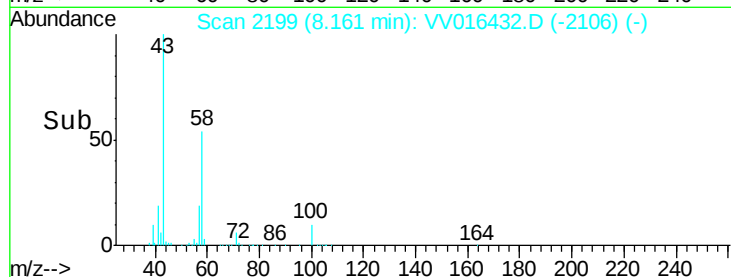
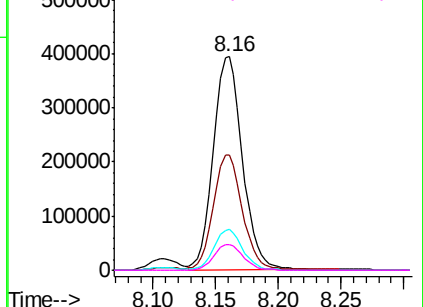
#48
2-Hexanone
Concen: 226.724 ug/L
RT: 8.16 min Scan# 2199
Delta R.T. -0.00 min
Lab File: VV016432.D
Acq: 02 Jun 2020 17:03

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 43 Resp: 633961
Ion Ratio Lower Upper
43 100
58 53.3 42.7 64.1
57 19.0 14.5 21.7
100 12.3 9.4 14.2

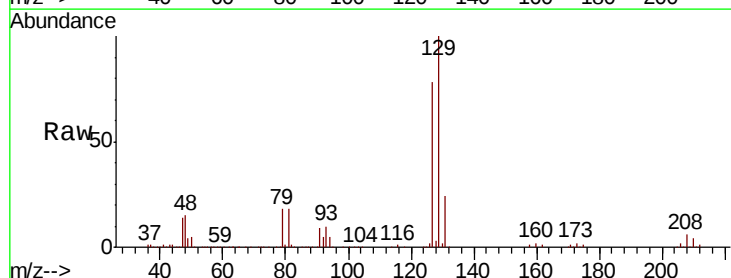


Abundance Ion 43.00 (42.70 to 43.70): VV016432.D (-2106) (-)
Ion 58.00 (57.70 to 58.70): VV016432.D (-2106) (-)
Ion 57.00 (56.70 to 57.70): VV016432.D (-2106) (-)
Ion 100.00 (99.70 to 100.70): VV016432.D (-2106) (-)

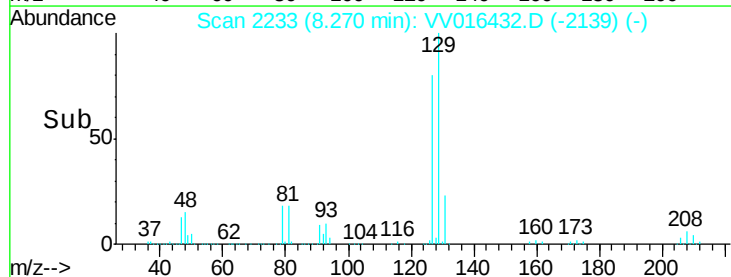
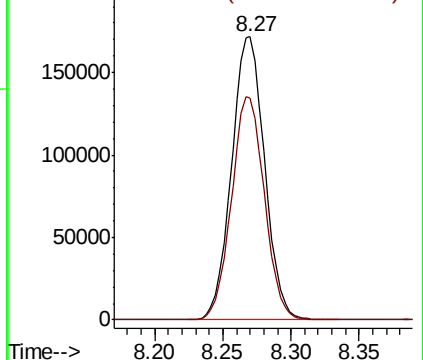


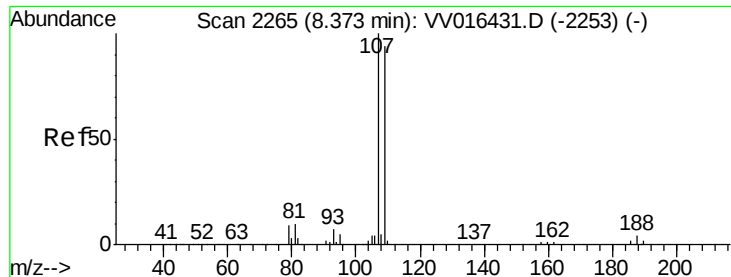
#49
Dibromochloromethane
Concen: 102.773 ug/L
RT: 8.27 min Scan# 2233
Delta R.T. 0.00 min
Lab File: VV016432.D
Acq: 02 Jun 2020 17:03

Tgt Ion: 129 Resp: 289030
Ion Ratio Lower Upper
129 100
127 78.3 54.6 101.4



Abundance Ion 129.00 (128.70 to 129.70): VV016432.D (-2139) (-)
Ion 127.00 (126.70 to 127.70): VV016432.D (-2139) (-)

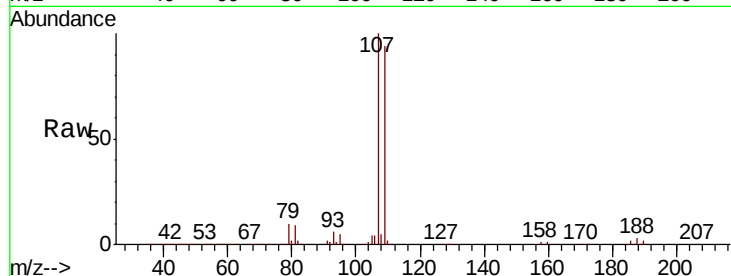




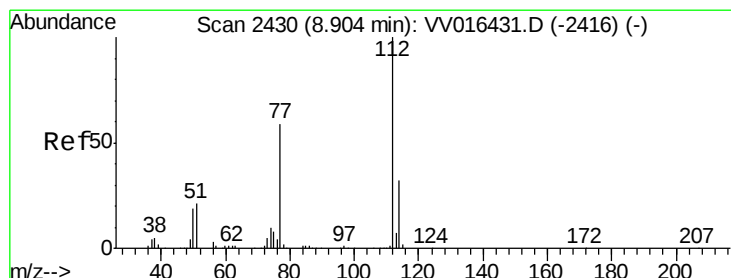
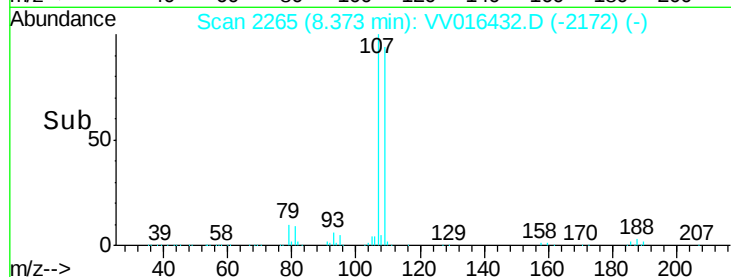
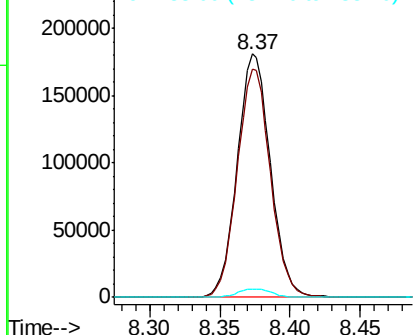
#50
1,2-Dibromoethane
Concen: 105.966 ug/L
RT: 8.37 min Scan# 2265
Delta R.T. -0.00 min
Lab File: VV016432.D
Acq: 02 Jun 2020 17:03

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
107	100		
109	94.0	65.9	122.3
188	3.5	2.8	4.2

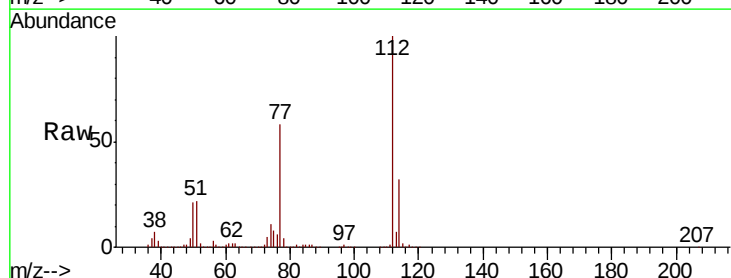


Abundance Ion 107.00 (106.70 to 107.70): V
Ion 109.00 (108.70 to 109.70): V
Ion 188.00 (187.70 to 188.70): V

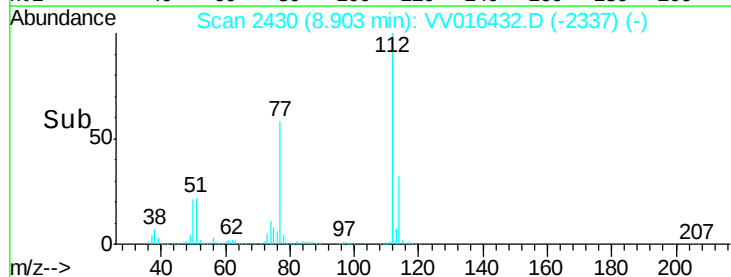
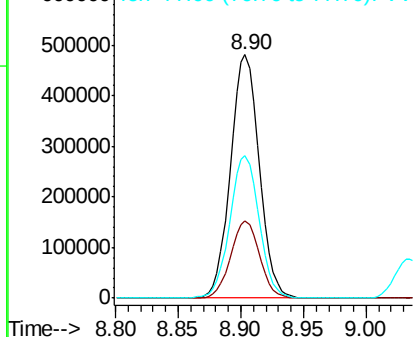


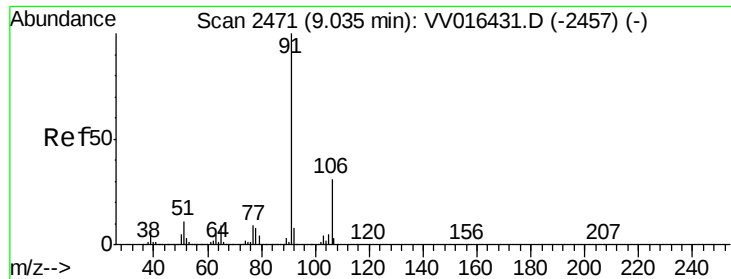
#51
Chlorobenzene
Concen: 101.106 ug/L
RT: 8.90 min Scan# 2430
Delta R.T. -0.00 min
Lab File: VV016432.D
Acq: 02 Jun 2020 17:03

Tgt Ion	Ratio	Lower	Upper
112	100		
114	31.7	22.7	42.1
77	58.5	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: 101.594 ug/L

RT: 9.03 min Scan# 2470

Delta R.T. -0.00 min

Lab File: VV016432.D

Acq: 02 Jun 2020 17:03

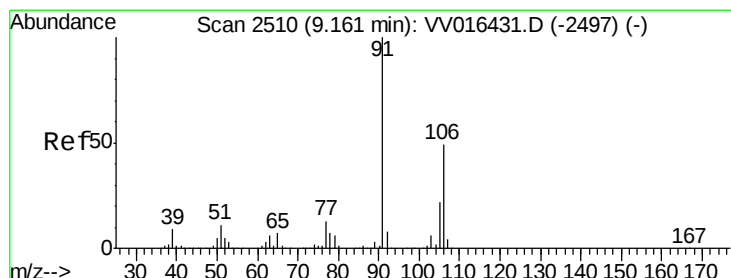
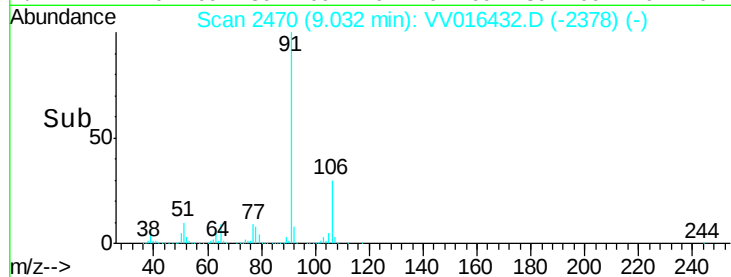
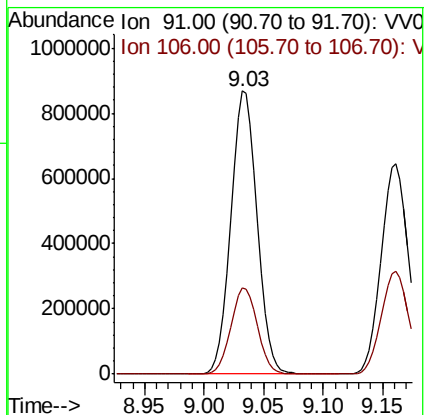
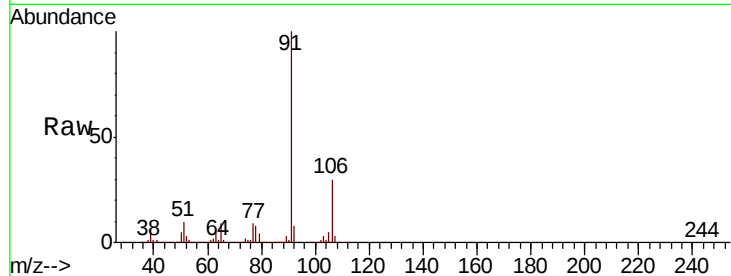
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 91 Resp: 1325830

Ion Ratio Lower Upper

91 100

106 30.4 21.8 40.4



#53

m,p-Xylene

Concen: 103.434 ug/L

RT: 9.16 min Scan# 2510

Delta R.T. -0.00 min

Lab File: VV016432.D

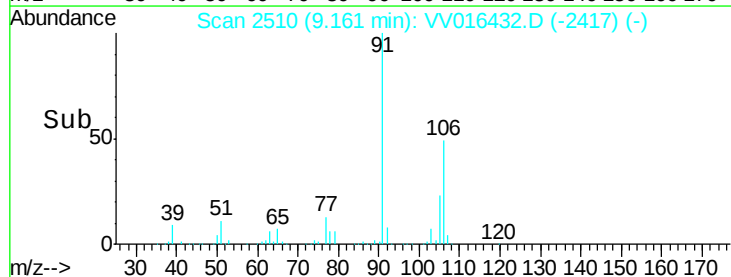
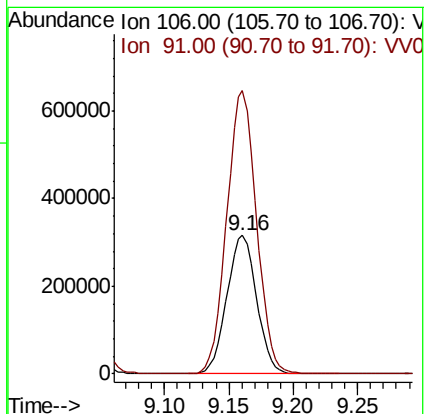
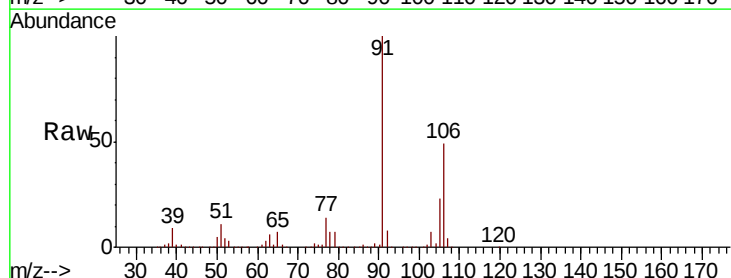
Acq: 02 Jun 2020 17:03

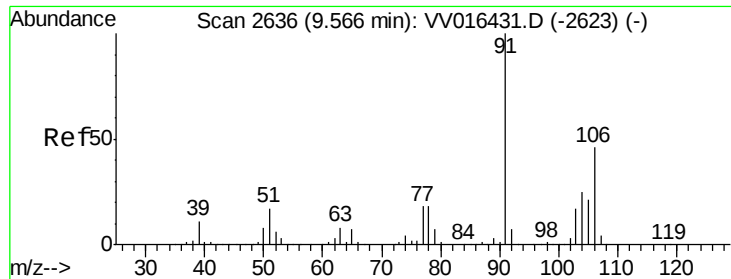
Tgt Ion: 106 Resp: 503800

Ion Ratio Lower Upper

106 100

91 204.1 142.5 264.6

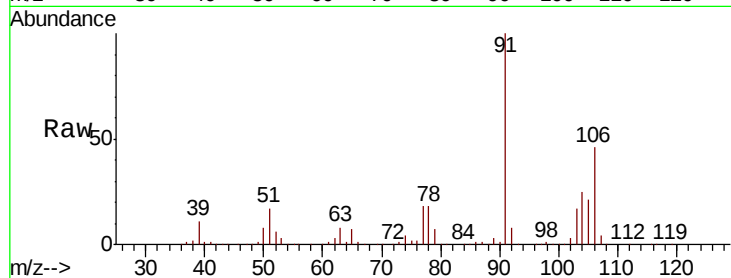




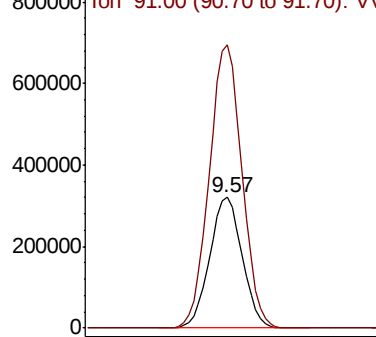
#54
o-xylene
Concen: 102.551 ug/L
RT: 9.57 min Scan# 2636
Delta R.T. -0.00 min
Lab File: VV016432.D
Acq: 02 Jun 2020 17:03

Instrument :
MSVOA_V
ClientSampled :

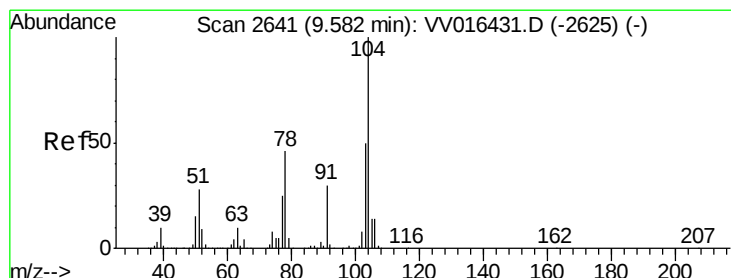
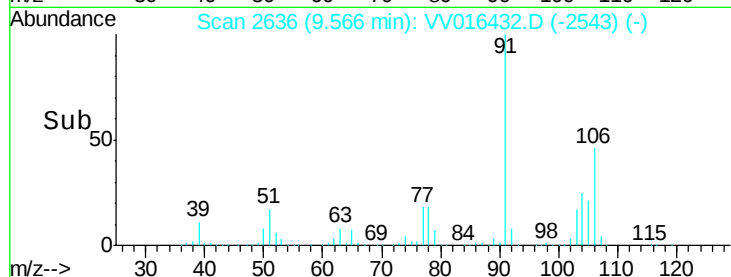
Tot Ion:106 Resp: 486464
Ion Ratio Lower Upper
106 100
91 216.2 152.5 283.1



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

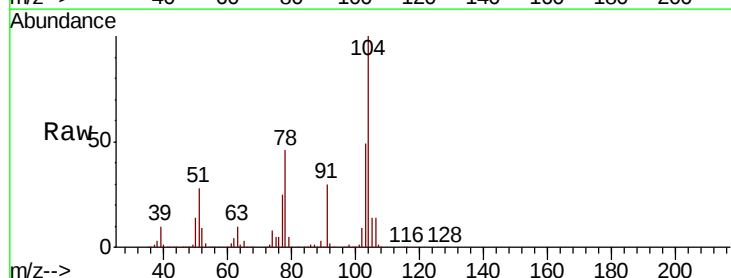


Time-->

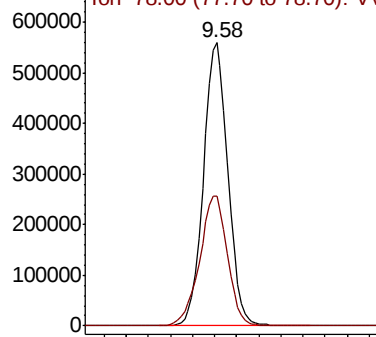


#55
Styrene
Concen: 105.274 ug/L
RT: 9.58 min Scan# 2641
Delta R.T. -0.00 min
Lab File: VV016432.D
Acq: 02 Jun 2020 17:03

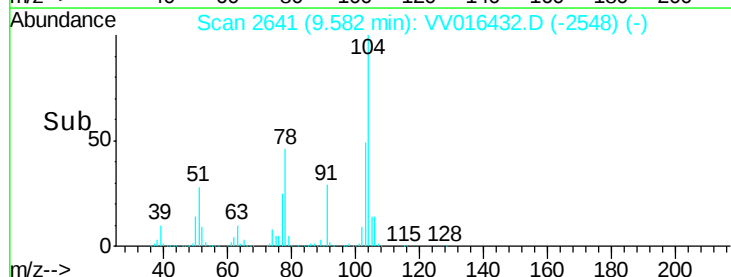
Tgt Ion:104 Resp: 857472
Ion Ratio Lower Upper
104 100
78 45.7 31.9 59.3

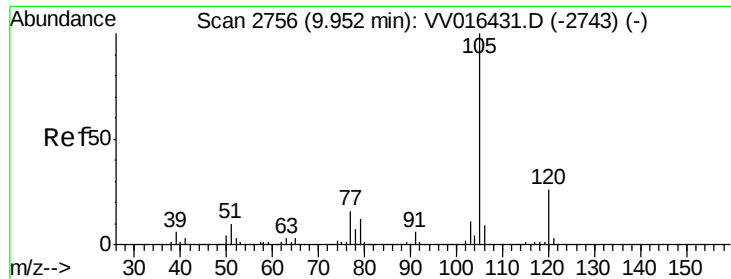


Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VV0



Time-->





#56

Isopropylbenzene

Concen: 101.024 ug/L

RT: 9.95 min Scan# 2756

Delta R.T. -0.00 min

Lab File: VV016432.D

Acq: 02 Jun 2020 17:03

Instrument :
MSVOA_V
ClientSampled :

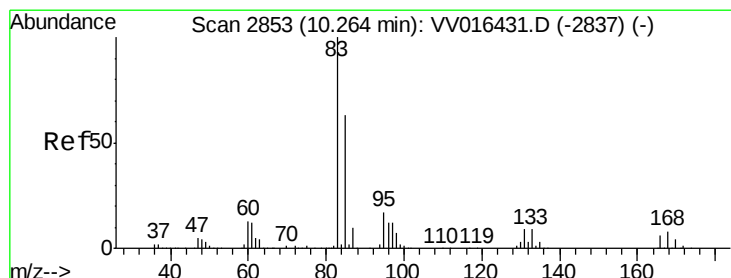
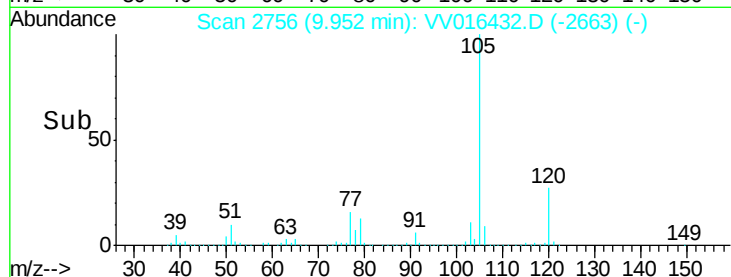
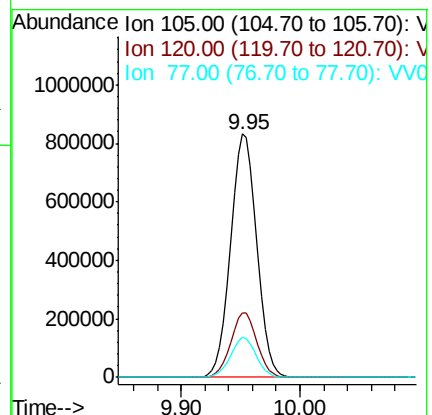
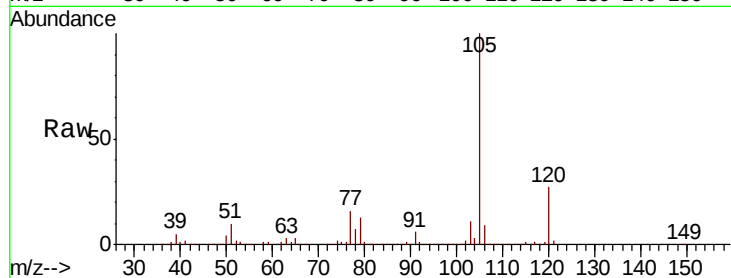
Tot Ion:105 Resp: 1264972

Ion Ratio Lower Upper

105 100

120 26.4 21.0 31.6

77 16.1 13.0 19.4



#58

1,1,2,2-Tetrachloroethane

Concen: 104.203 ug/L

RT: 10.26 min Scan# 2853

Delta R.T. -0.00 min

Lab File: VV016432.D

Acq: 02 Jun 2020 17:03

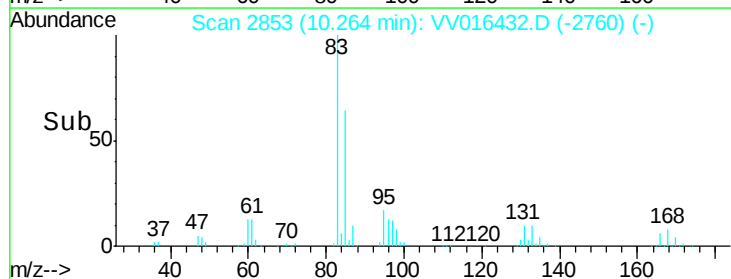
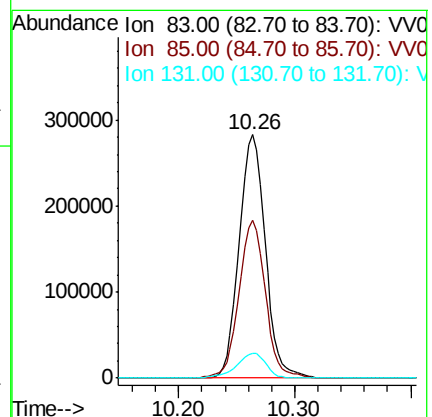
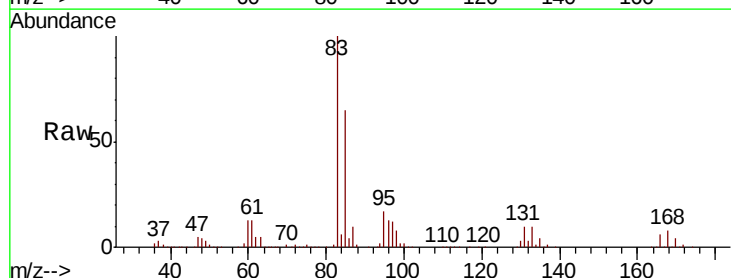
Tgt Ion: 83 Resp: 442113

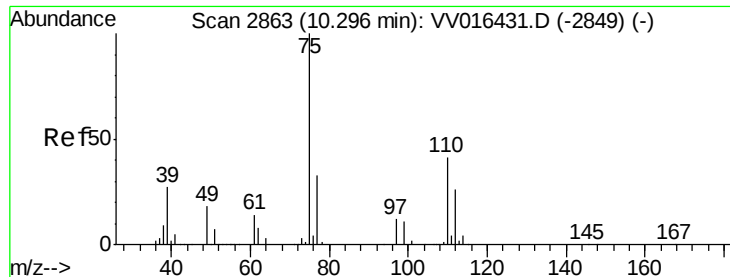
Ion Ratio Lower Upper

83 100

85 64.6 44.0 81.6

131 10.3 7.6 11.4





#59

1,2,3-Trichloropropane

Concen: 101.166 ug/L

RT: 10.30 min Scan# 2863

Delta R.T. -0.00 min

Lab File: VV016432.D

Acq: 02 Jun 2020 17:03

Instrument :

MSVOA_V

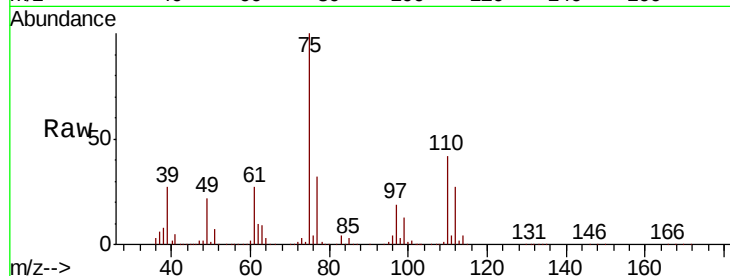
ClientSampled :

Tot Ion: 75 Resp: 351113

Ion Ratio Lower Upper

75 100

77 32.4 26.6 40.0



Abundance Ion 75.00 (74.70 to 75.70): VV016431.D (-2849) (-)

Ion 77.00 (76.70 to 77.70): VV016431.D (-2849) (-)

10.30

250000

200000

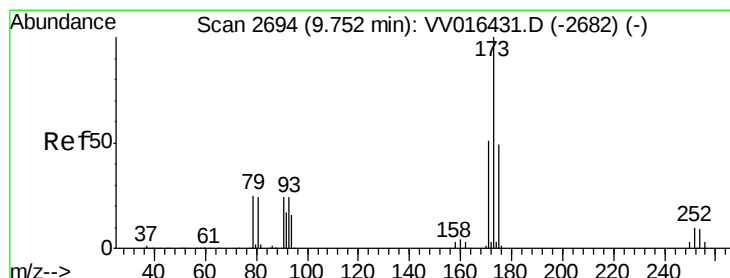
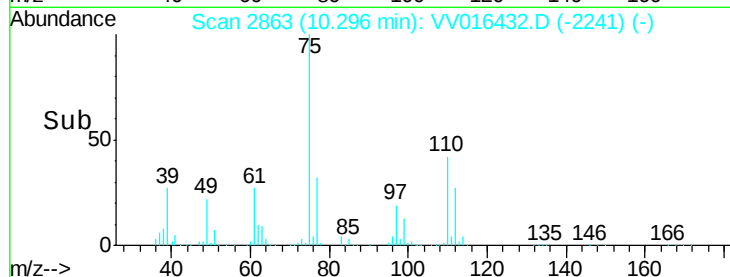
150000

100000

50000

0

Time--> 10.20 10.25 10.30 10.35



#61

Bromoform

Concen: 101.421 ug/L

RT: 9.75 min Scan# 2694

Delta R.T. -0.00 min

Lab File: VV016432.D

Acq: 02 Jun 2020 17:03

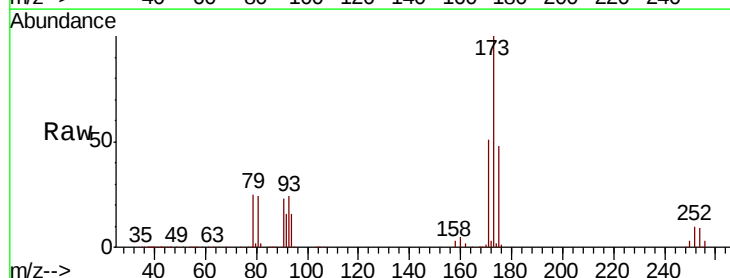
Tgt Ion: 173 Resp: 181154

Ion Ratio Lower Upper

173 100

175 47.9 38.8 58.2

254 9.5 7.9 11.9



Abundance Ion 173.00 (172.70 to 173.70): VV016431.D (-2682) (-)

Ion 175.00 (174.70 to 175.70): VV016431.D (-2682) (-)

Ion 254.00 (253.70 to 254.70): VV016431.D (-2682) (-)

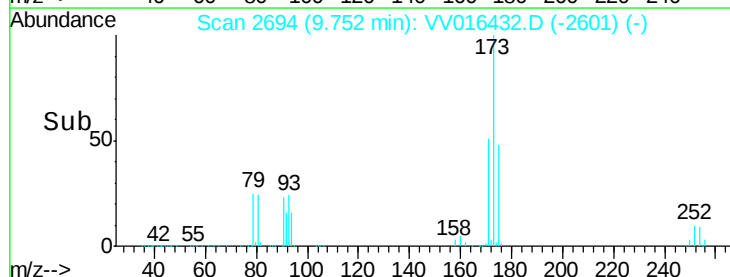
150000

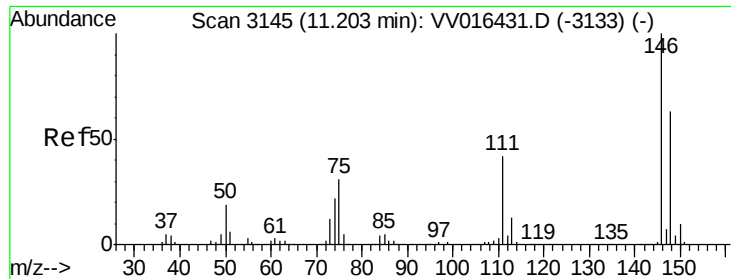
100000

50000

0

Time--> 9.70 9.75 9.80 9.85





#62

1,3-Dichlorobenzene

Concen: 100.516 ug/L

RT: 11.20 min Scan# 3145

Delta R.T. -0.00 min

Lab File: VV016432.D

Acq: 02 Jun 2020 17:03

Instrument :

MSVOA_V

ClientSampleId :

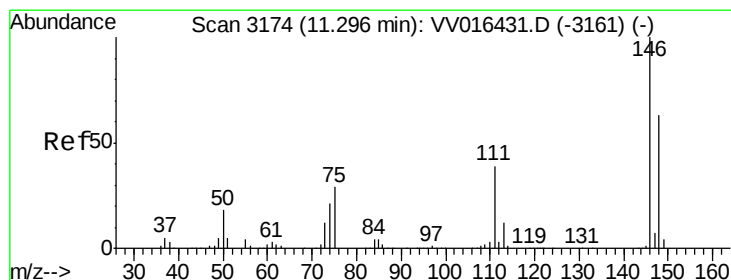
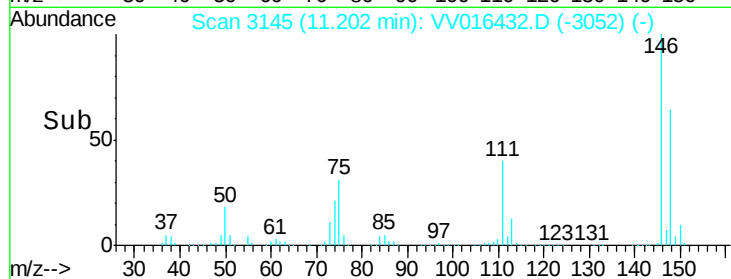
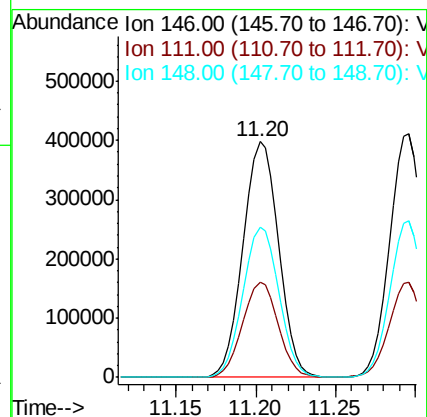
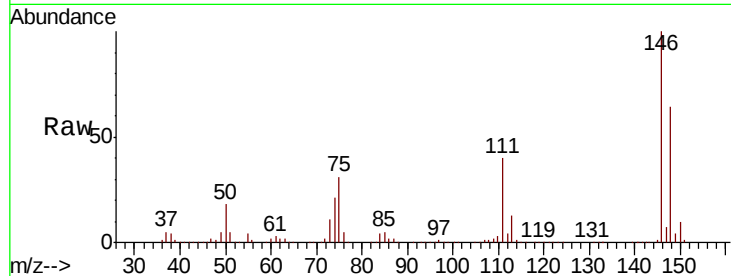
Tot Ion:146 Resp: 603666

Ion Ratio Lower Upper

146 100

111 40.5 29.8 55.3

148 63.8 44.0 81.8



#63

1,4-Dichlorobenzene

Concen: 100.506 ug/L

RT: 11.30 min Scan# 3174

Delta R.T. -0.00 min

Lab File: VV016432.D

Acq: 02 Jun 2020 17:03

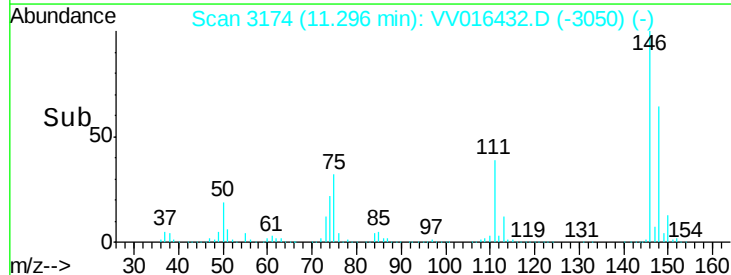
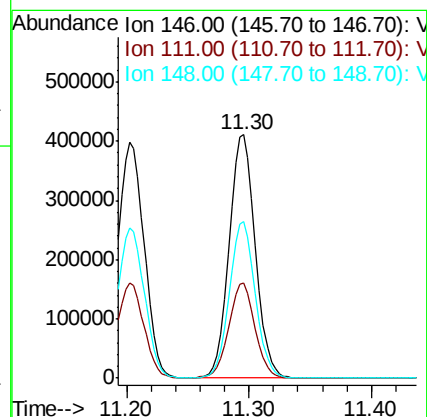
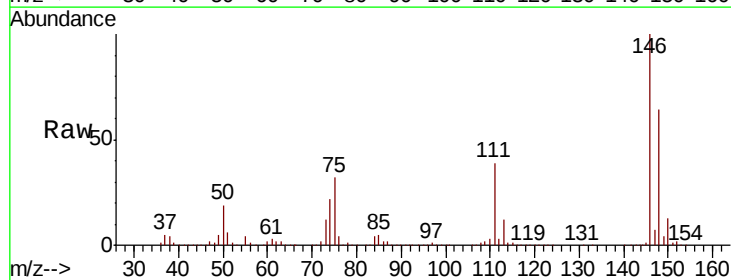
Tgt Ion:146 Resp: 618172

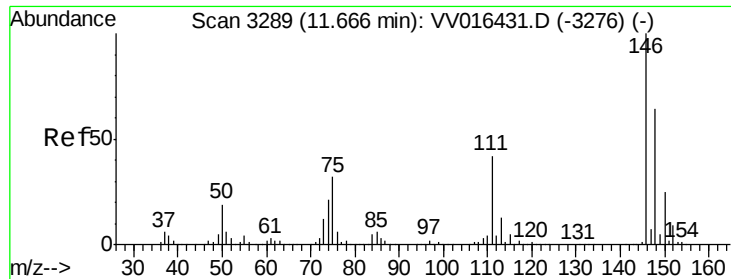
Ion Ratio Lower Upper

146 100

111 38.9 27.3 50.7

148 64.1 44.5 82.7





#65

1,2-Dichlorobenzene

Concen: 99.365 ug/L

RT: 11.67 min Scan# 3289

Delta R.T. -0.00 min

Lab File: VV016432.D

Acq: 02 Jun 2020 17:03

Instrument :

MSVOA_V

ClientSampleId :

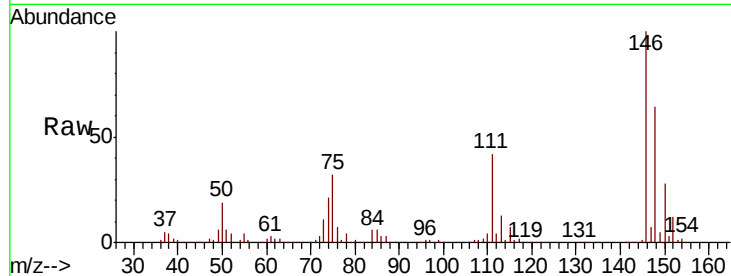
Tot Ion:146 Resp: 603577

Ion Ratio Lower Upper

146 100

111 42.3 33.6 50.4

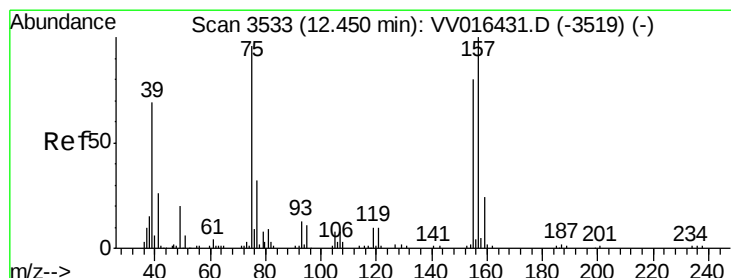
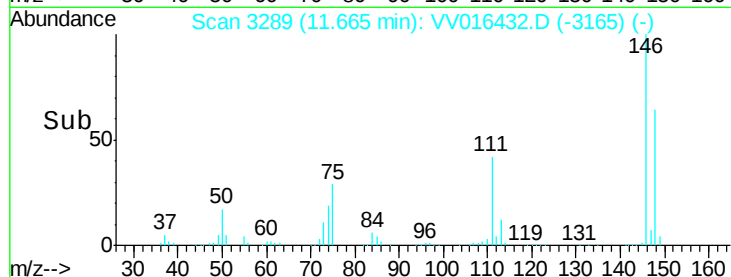
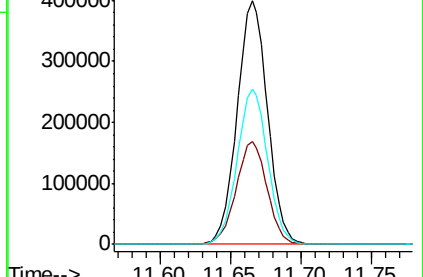
148 63.7 51.5 77.3



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: 101.079 ug/L

RT: 12.45 min Scan# 3533

Delta R.T. -0.00 min

Lab File: VV016432.D

Acq: 02 Jun 2020 17:03

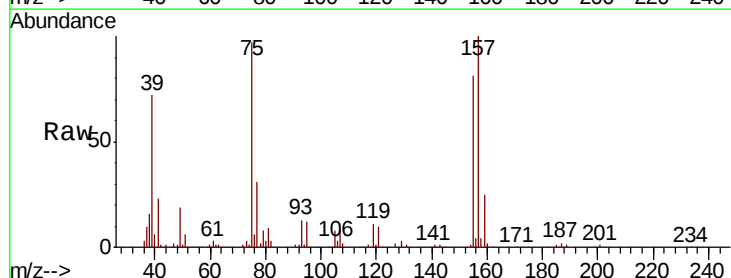
Tgt Ion: 75 Resp: 93906

Ion Ratio Lower Upper

75 100

155 82.9 66.2 99.2

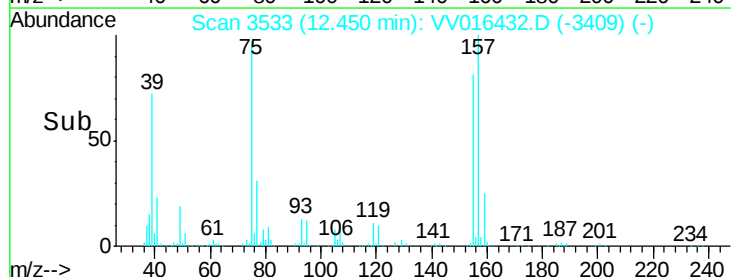
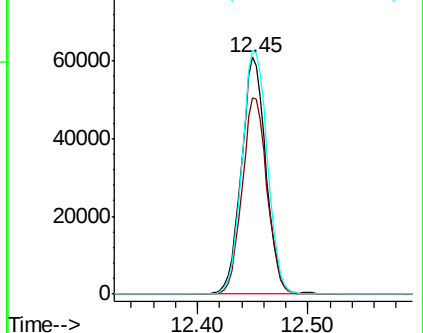
157 102.8 83.0 124.4

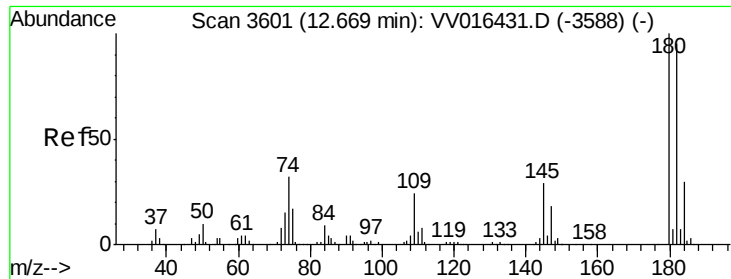


Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

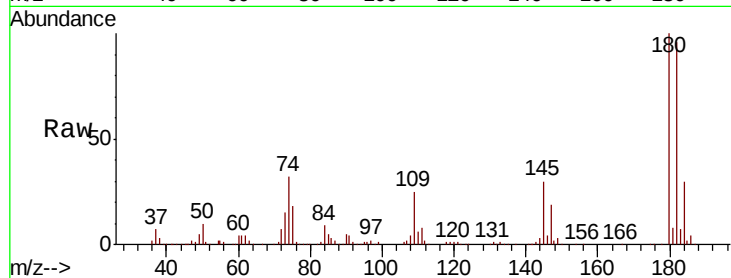




#67
 1,3,5-Trichlorobenzene
 Concen: 98.294 ug/L
 RT: 12.67 min Scan# 3601
 Delta R.T. -0.00 min
 Lab File: VV016432.D
 Acq: 02 Jun 2020 17:03

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.7	75.8	113.8
184	30.4	24.4	36.6
145	30.4	24.2	36.2



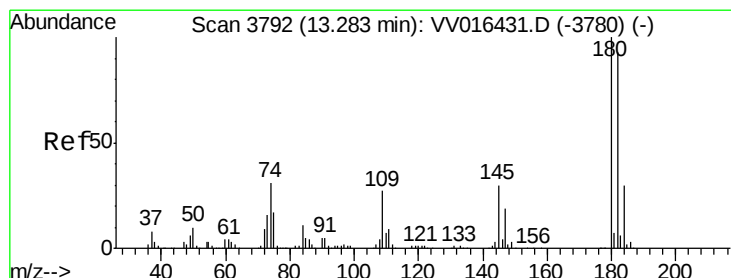
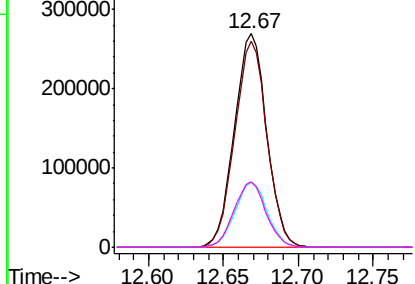
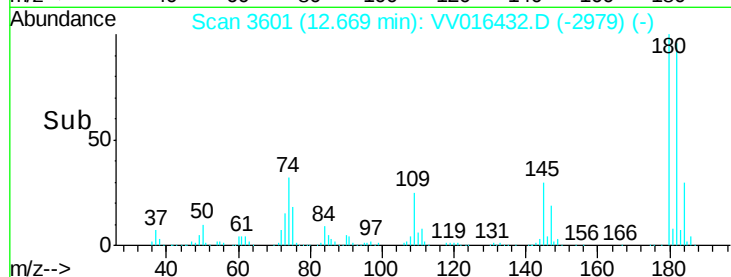
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

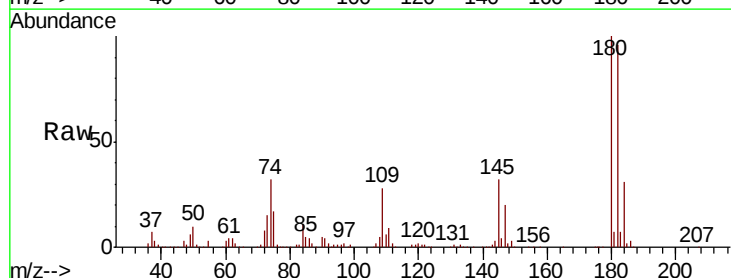
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 103.927 ug/L
 RT: 13.28 min Scan# 3792
 Delta R.T. -0.00 min
 Lab File: VV016432.D
 Acq: 02 Jun 2020 17:03

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.7	74.6	111.8
145	30.9	24.5	36.7

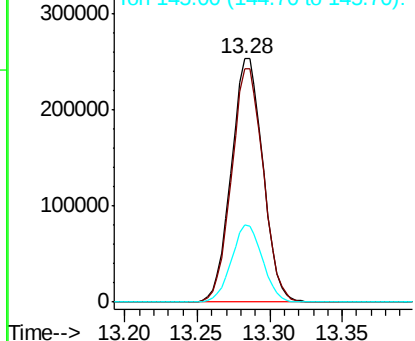
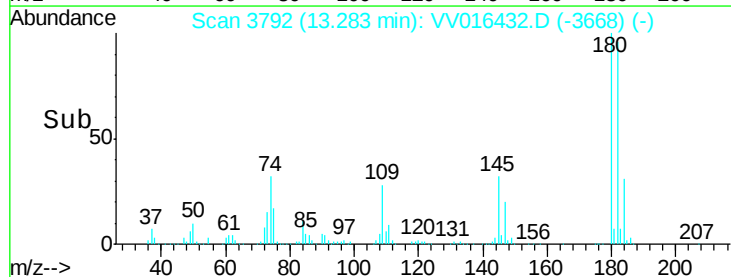


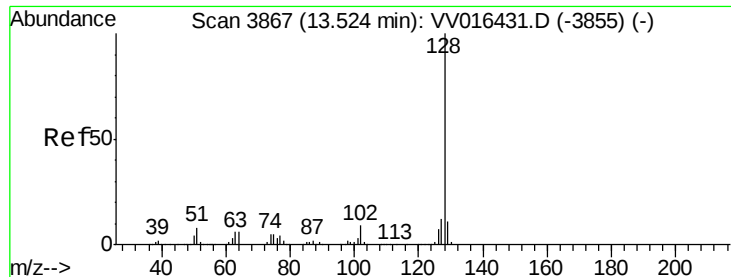
Abundance

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





#69

Naphthalene

Concen: 112.168 ug/L

RT: 13.52 min Scan# 3867

Delta R.T. -0.00 min

Lab File: VV016432.D

Acq: 02 Jun 2020 17:03

Instrument :

MSVOA_V

ClientSampleId :

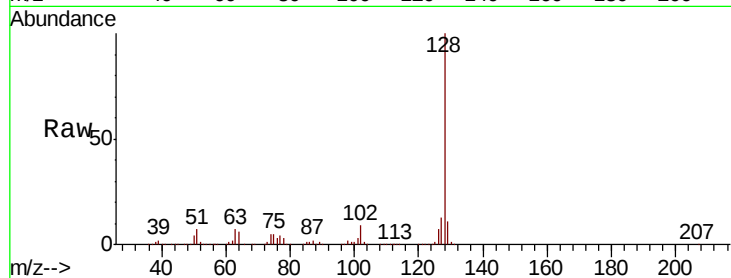
Tot Ion:128 Resp: 1205691

Ion Ratio Lower Upper

128 100

127 13.1 10.2 15.4

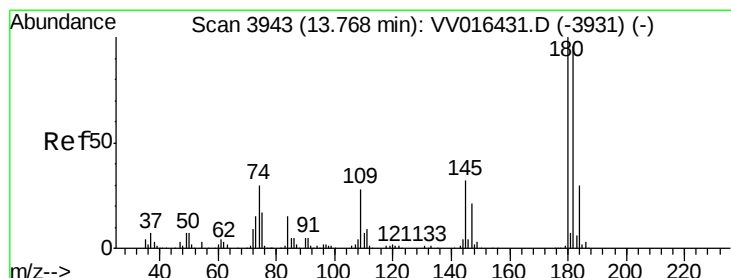
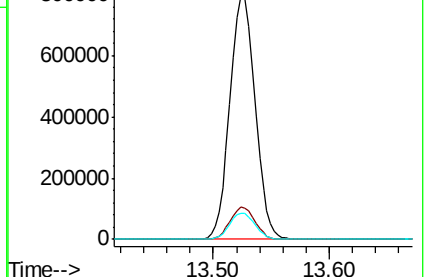
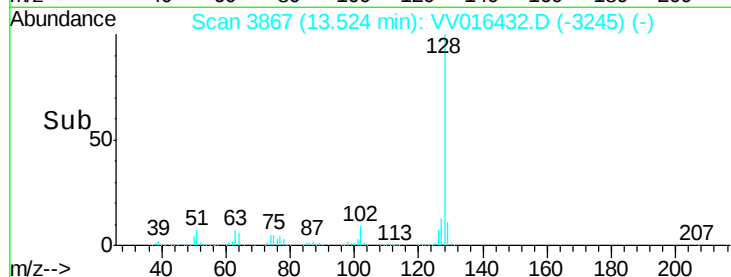
129 10.9 8.7 13.1



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#70

1,2,3-Trichlorobenzene

Concen: 98.106 ug/L

RT: 13.77 min Scan# 3943

Delta R.T. -0.00 min

Lab File: VV016432.D

Acq: 02 Jun 2020 17:03

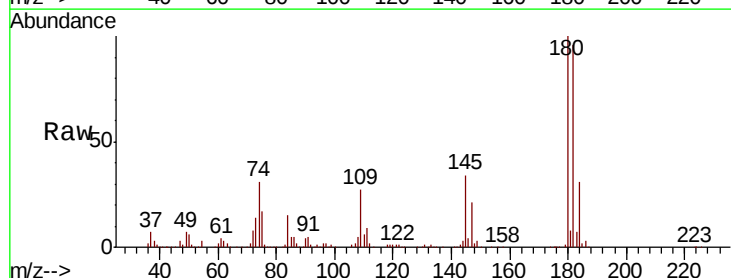
Tgt Ion:180 Resp: 362389

Ion Ratio Lower Upper

180 100

182 95.3 76.0 114.0

145 33.5 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

