

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV033020\
 Data File : VV015268.D
 Acq On : 30 Mar 2020 12:15
 Operator : SY/MD
 Sample : VSTD01065
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Mar 30 13:30:17 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM033020WMA.M
 Quant Title : VOC Analysis
 QLast Update : Mon Mar 30 13:18:13 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	606666	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	583094	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	261799	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	47209	10.67	ug/L	0.00
7) Chloroethane-d5	1.58	69	43558	10.58	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.12	63	99136	10.39	ug/L	0.00
21) 2-Butanone-d5	3.96	46	23699	8.19	ug/L	0.02
24) Chloroform-d	4.38	84	80624	10.14	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.06	65	52200	10.04	ug/L	0.00
32) Benzene-d6	5.08	84	157125	10.32	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.10	67	49064	10.31	ug/L	0.00
41) Toluene-d8	7.34	98	148926	10.11	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.65	79	26075	10.06	ug/L	0.00
47) 2-Hexanone-d5	8.12	63	44900	20.11	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.24	84	72976	10.39	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.65	152	52755	10.12	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	47284	11.079 ug/L	97
3) Chloromethane	1.25	50	53358	11.009 ug/L	100
5) Vinyl chloride	1.32	62	57522	11.249 ug/L	96
6) Bromomethane	1.53	94	37356	10.921 ug/L	93
8) Chloroethane	1.60	64	38836	11.014 ug/L	98
9) Trichlorofluoromethane	1.77	101	90269	10.444 ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	52738	11.379 ug/L	98
12) 1,1-Dichloroethene	2.13	96	48409	10.789 ug/L	97
13) Acetone	2.23	43	37545	19.243 ug/L	60
14) Carbon disulfide	2.31	76	117939	10.802 ug/L	98
15) Methyl Acetate	2.47	43	44914	11.331 ug/L	98
16) Methylene chloride	2.52	84	46917	11.177 ug/L	98
17) trans-1,2-Dichloroethene	2.78	96	40424	10.751 ug/L	96
18) Methyl tert-butyl Ether	2.79	73	141374	11.043 ug/L	99
19) 1,1-Dichloroethane	3.21	63	76872	10.966 ug/L	97
20) cis-1,2-Dichloroethene	3.94	96	45724	10.818 ug/L	# 97
22) 2-Butanone	4.04	43	43150	14.536 ug/L	78
23) Bromochloromethane	4.28	128	21968	10.550 ug/L	93
25) Chloroform	4.41	83	82555	11.030 ug/L	98
27) 1,2-Dichloroethane	5.16	62	65766	11.048 ug/L	97
29) Cyclohexane	4.70	56	69403	11.230 ug/L	97
30) 1,1,1-Trichloroethane	4.63	97	72195	10.920 ug/L	97
31) Carbon tetrachloride	4.85	117	61124	10.913 ug/L	99
33) Benzene	5.13	78	167732	10.866 ug/L	100
34) Trichloroethene	5.94	95	44753	10.807 ug/L	98
35) Methylcyclohexane	6.15	83	72450	11.155 ug/L	99
37) 1,2-Dichloropropane	6.20	63	41870	10.664 ug/L	99
38) Bromodichloromethane	6.53	83	61330	10.862 ug/L	95
39) cis-1,3-Dichloropropene	7.05	75	67104	10.120 ug/L	97
40) 4-Methyl-2-pentanone	7.26	43	133418	22.854 ug/L	97

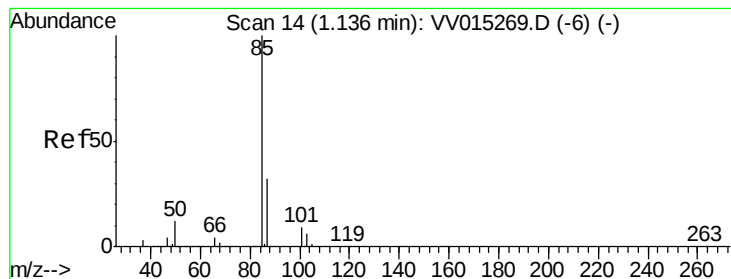
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 Quant Title : VOC Analysis
 QLast Update : Mon Mar 30 13:18:13 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.41	91	185352	10.696	ug/L	97
44) trans-1,3-Dichloropropene	7.68	75	70029	10.748	ug/L	96
45) 1,1,2-Trichloroethane	7.86	97	43162	10.912	ug/L	96
46) Tetrachloroethene	8.00	164	29494	10.764	ug/L	91
48) 2-Hexanone	8.17	43	97772	21.831	ug/L	96
49) Dibromochloromethane	8.27	129	44501	10.294	ug/L	98
50) 1,2-Dibromoethane	8.38	107	45926	10.686	ug/L	98
51) Chlorobenzene	8.90	112	118848	10.538	ug/L	99
52) Ethylbenzene	9.04	91	206351	10.560	ug/L	99
53) m,p-Xylene	9.16	106	80323	10.777	ug/L	100
54) o-xylene	9.57	106	79429	10.712	ug/L	100
55) Styrene	9.59	104	133159	10.524	ug/L	100
56) Isopropylbenzene	9.95	105	210326	10.776	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	10.26	83	72155	10.992	ug/L	97
59) 1,2,3-Trichloropropane	10.30	75	59104	10.880	ug/L	94
61) Bromoform	9.76	173	26394	10.109	ug/L #	96
62) 1,3-Dichlorobenzene	11.21	146	84985	10.644	ug/L	97
63) 1,4-Dichlorobenzene	11.30	146	89639	10.999	ug/L	100
65) 1,2-Dichlorobenzene	11.67	146	86595	10.748	ug/L	95
66) 1,2-Dibromo-3-chloropropan	12.45	75	20273	11.436	ug/L	89
67) 1,3,5-Trichlorobenzene	12.67	180	52365	10.276	ug/L	97
68) 1,2,4-trichlorobenzene	13.29	180	47946	9.902	ug/L	97
69) Naphthalene	13.53	128	201258	10.427	ug/L	99
70) 1,2,3-Trichlorobenzene	13.77	180	49332	10.152	ug/L	99

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



#2

Dichlorodifluoromethane

Concen: 11.079 ug/L

RT: 1.14 min Scan# 15

Delta R.T. 0.00 min

Lab File: VV015268.D

Acq: 30 Mar 2020 12:15

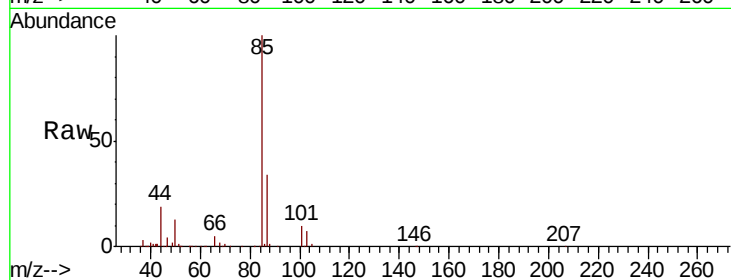
Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 85 Resp: 47284

Ion Ratio Lower Upper

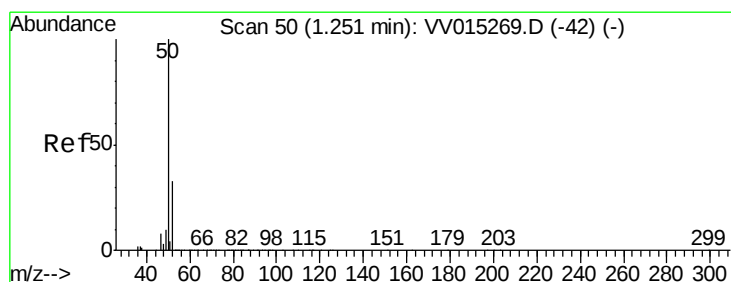
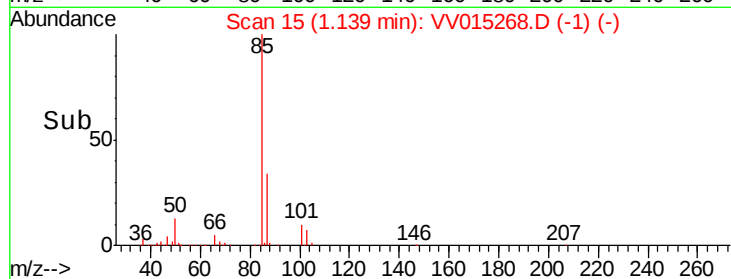
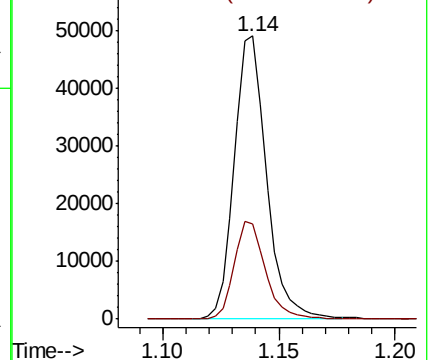
85 100

87 33.3 25.1 37.7



Abundance Ion 85.00 (84.70 to 85.70): VV0

Ion 87.00 (86.70 to 87.70): VV0



#3

Chloromethane

Concen: 11.009 ug/L

RT: 1.25 min Scan# 50

Delta R.T. -0.00 min

Lab File: VV015268.D

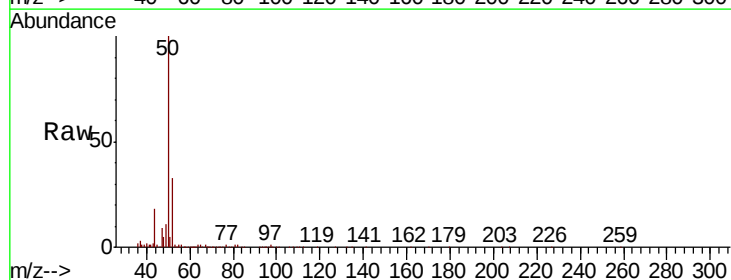
Acq: 30 Mar 2020 12:15

Tgt Ion: 50 Resp: 53358

Ion Ratio Lower Upper

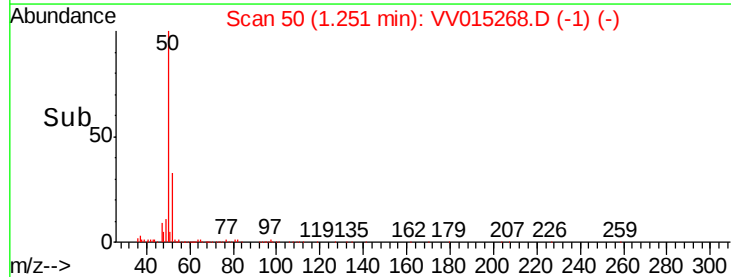
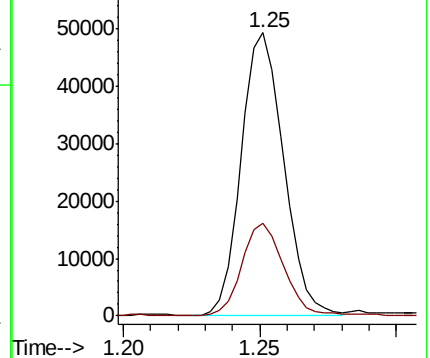
50 100

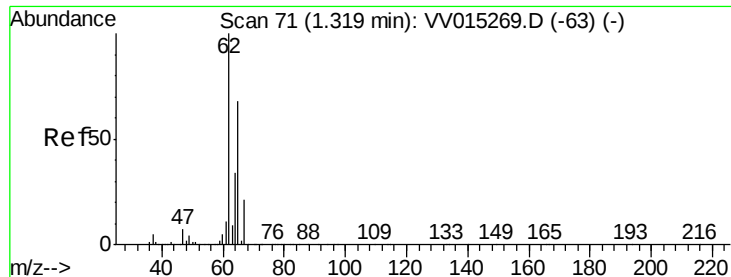
52 32.6 22.7 42.3



Abundance Ion 50.00 (49.70 to 50.70): VV0

Ion 52.00 (51.70 to 52.70): VV0





#5

Vinyl chloride

Concen: 11.249 ug/L

RT: 1.32 min Scan# 71

Delta R.T. -0.00 min

Lab File: VV015268.D

Acq: 30 Mar 2020 12:15

Instrument :

MSVOA_V

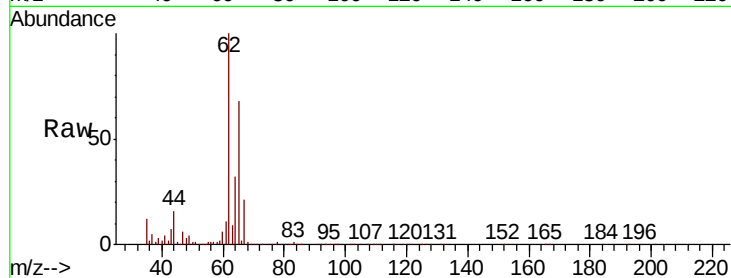
ClientSampleId :

Tot Ion: 62 Resp: 57522

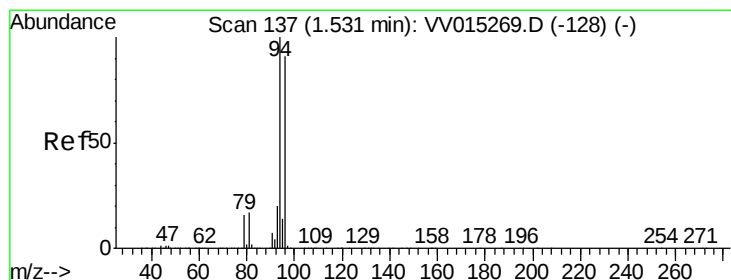
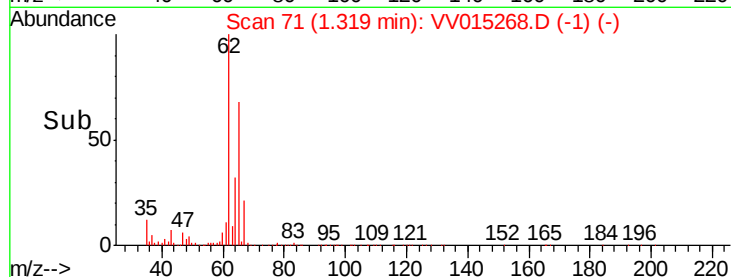
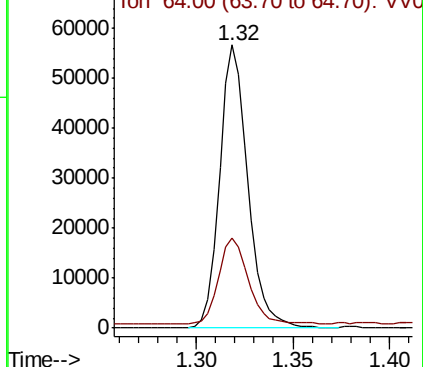
Ion Ratio Lower Upper

62 100

64 31.8 23.9 44.3



Abundance Ion 62.00 (61.70 to 62.70): VV015268.D (-63) (-)



#6

Bromomethane

Concen: 10.921 ug/L

RT: 1.53 min Scan# 137

Delta R.T. -0.00 min

Lab File: VV015268.D

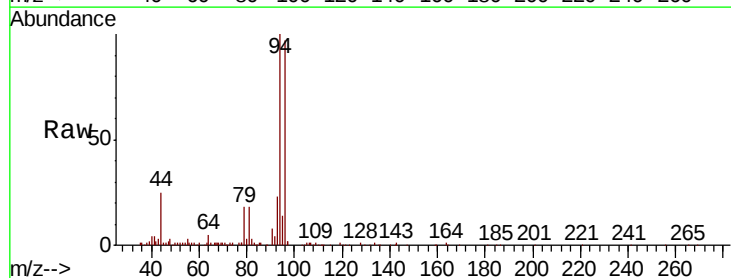
Acq: 30 Mar 2020 12:15

Tgt Ion: 94 Resp: 37356

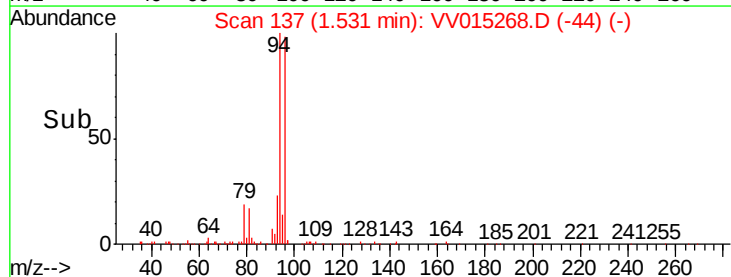
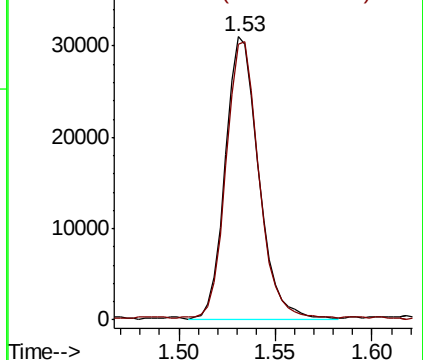
Ion Ratio Lower Upper

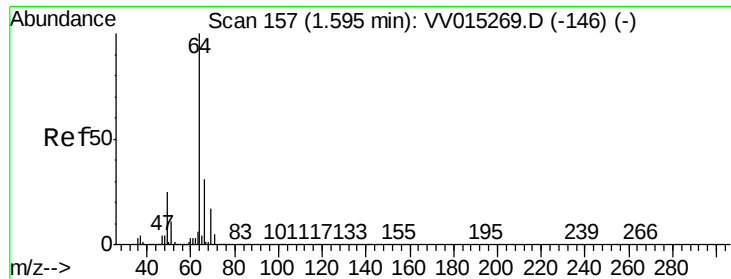
94 100

96 97.4 63.7 118.3



Abundance Ion 94.00 (93.70 to 94.70): VV015268.D (-128) (-)





#8

Chloroethane

Concen: 11.014 ug/L

RT: 1.60 min Scan# 157

Delta R.T. -0.00 min

Lab File: VV015268.D

Acq: 30 Mar 2020 12:15

Instrument :

MSVOA_V

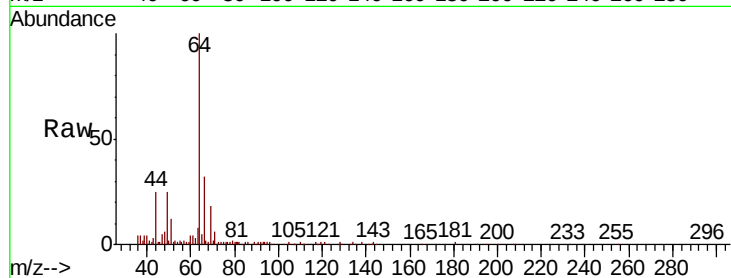
ClientSampleId :

Tot Ion: 64 Resp: 38836

Ion Ratio Lower Upper

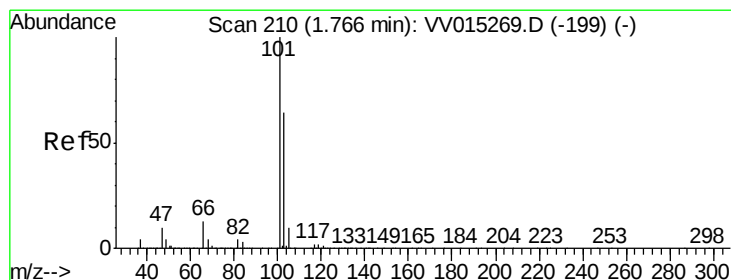
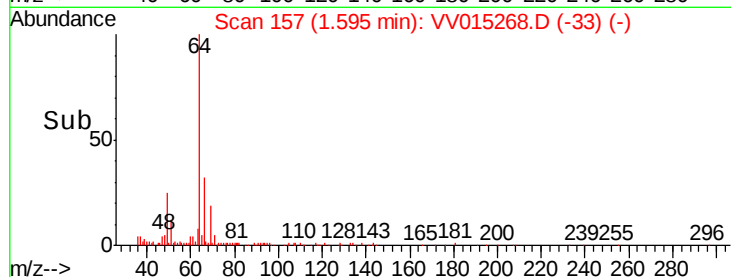
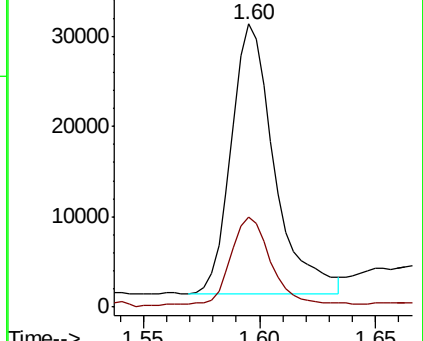
64 100

66 31.8 21.5 39.9



Abundance Ion 64.00 (63.70 to 64.70): VV015269.D (-146) (-)

Ion 66.00 (65.70 to 66.70): VV015269.D (-146) (-)



#9

Trichlorofluoromethane

Concen: 10.444 ug/L

RT: 1.77 min Scan# 210

Delta R.T. -0.00 min

Lab File: VV015268.D

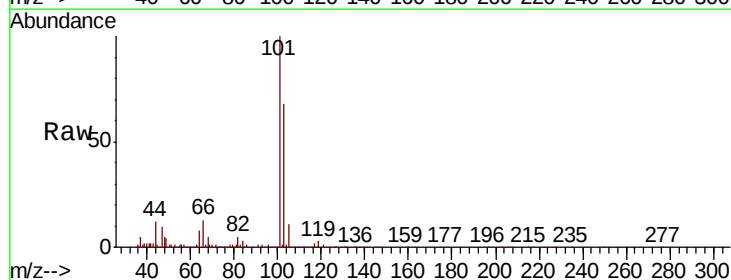
Acq: 30 Mar 2020 12:15

Tgt Ion: 101 Resp: 90269

Ion Ratio Lower Upper

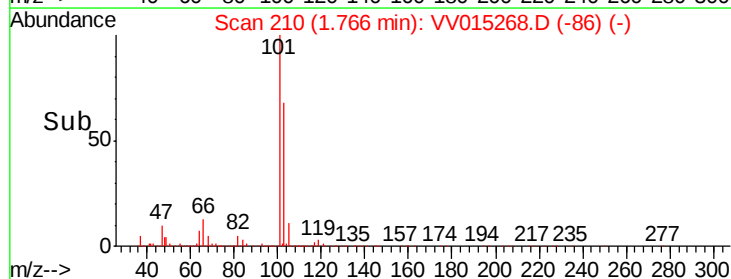
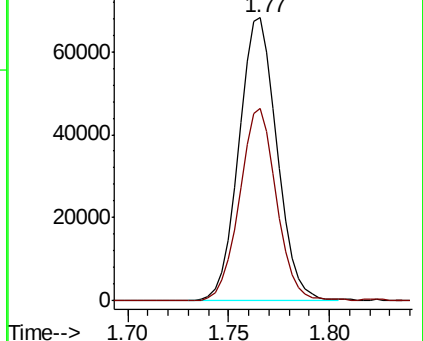
101 100

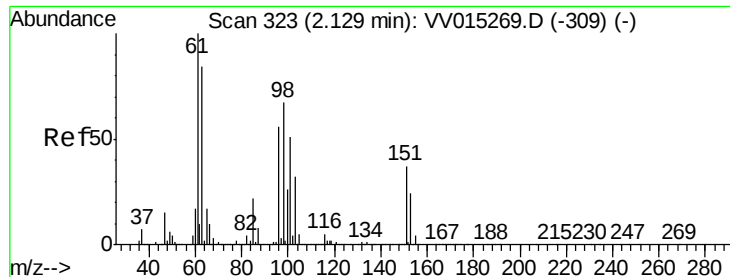
103 65.1 51.3 76.9



Abundance Ion 101.00 (100.70 to 101.70): VV015269.D (-199) (-)

Ion 103.00 (102.70 to 103.70): VV015269.D (-199) (-)





#10

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

Concen: 11.379 ug/L

RT: 2.13 min Scan# 323

Delta R.T. -0.00 min

Lab File: VV015268.D

Acq: 30 Mar 2020 12:15

Instrument :

MSVOA_V

ClientSampleId :

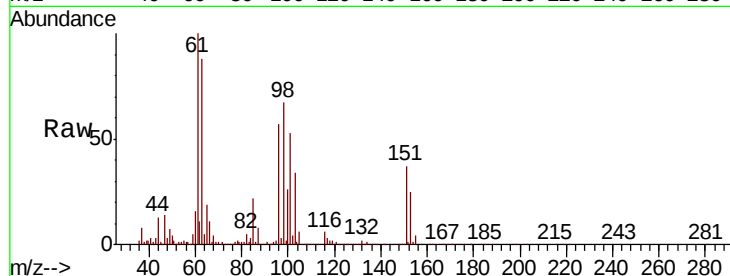
Tot Ion:101 Resp: 52738

Ion Ratio Lower Upper

101 100

85 43.6 35.0 52.6

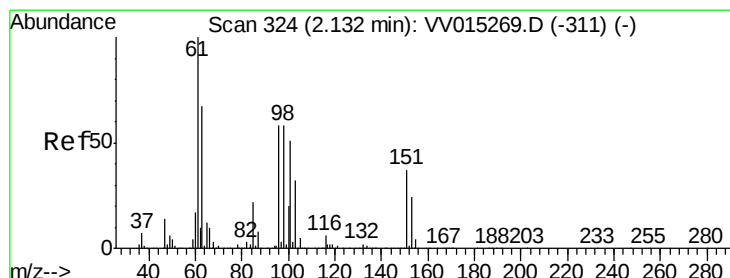
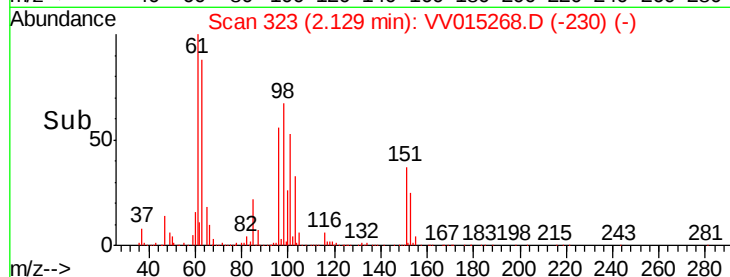
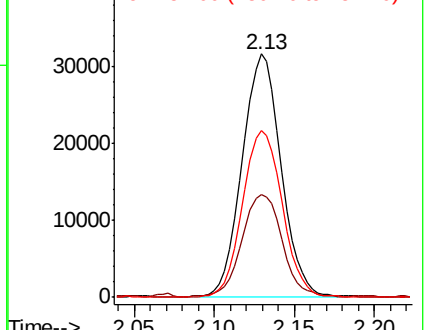
151 69.8 58.2 87.4



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: 10.789 ug/L

RT: 2.13 min Scan# 324

Delta R.T. -0.00 min

Lab File: VV015268.D

Acq: 30 Mar 2020 12:15

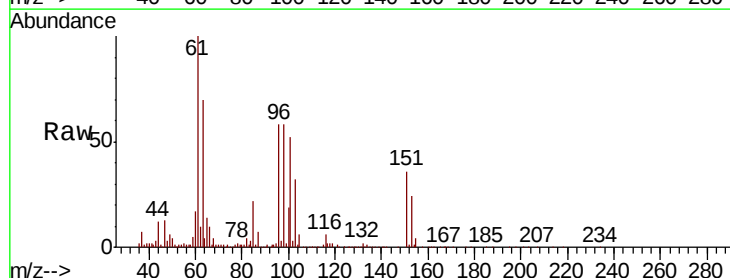
Tgt Ion: 96 Resp: 48409

Ion Ratio Lower Upper

96 100

61 173.7 120.9 224.5

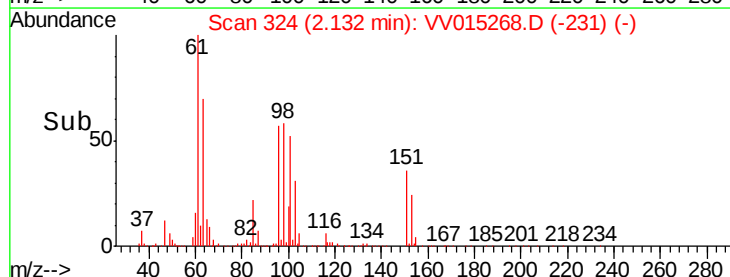
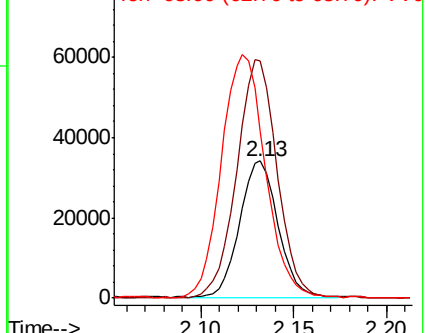
63 121.8 81.2 150.8

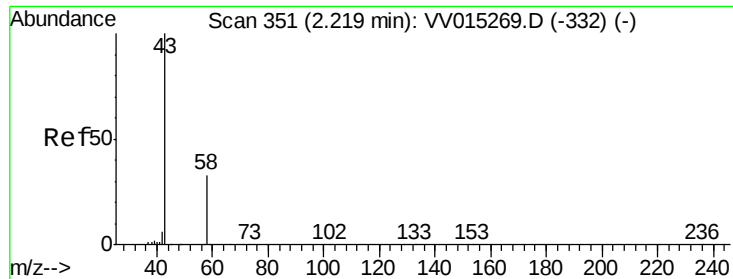


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.00 (60.70 to 61.70): VV0

Ion 63.00 (62.70 to 63.70): VV0





#13

Acetone

Concen: 19.243 ug/L

RT: 2.23 min Scan# 355

Delta R.T. 0.01 min

Lab File: VV015268.D

Acq: 30 Mar 2020 12:15

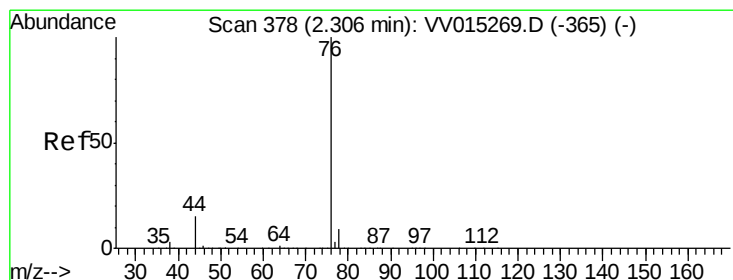
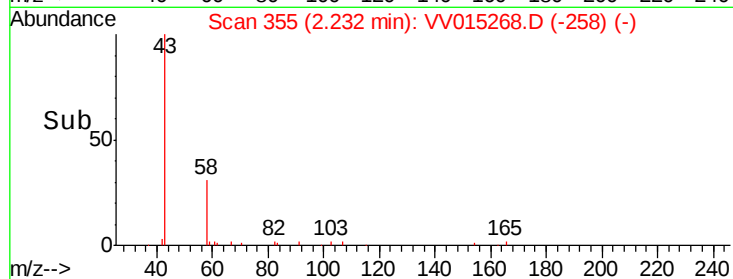
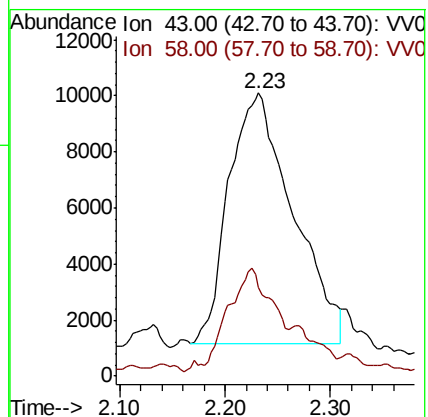
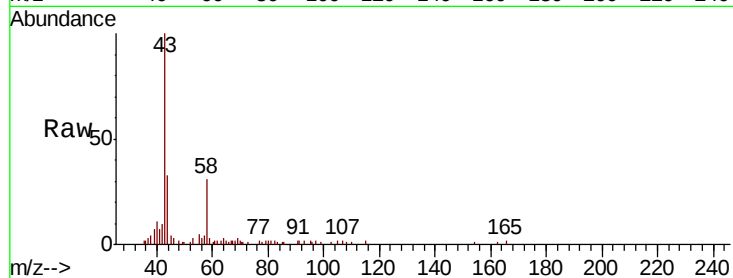
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 43 Resp: 37545

Ion Ratio Lower Upper

43 100

58 9.6 0.0 63.6



#14

Carbon disulfide

Concen: 10.802 ug/L

RT: 2.31 min Scan# 378

Delta R.T. -0.00 min

Lab File: VV015268.D

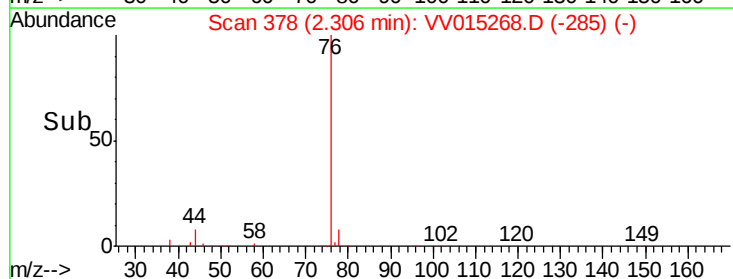
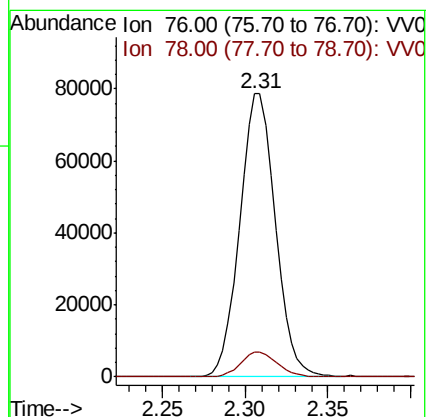
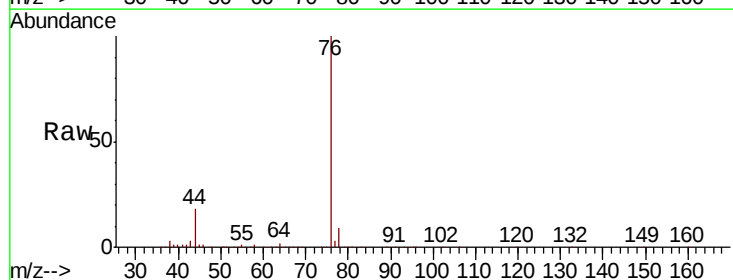
Acq: 30 Mar 2020 12:15

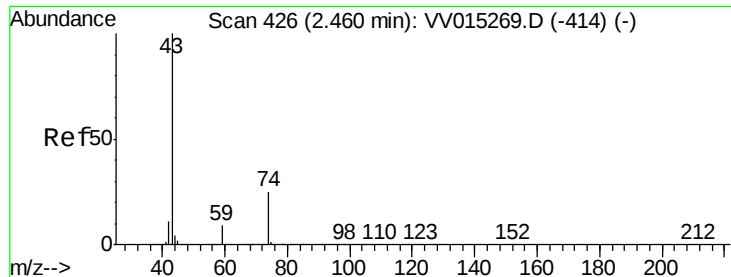
Tgt Ion: 76 Resp: 117939

Ion Ratio Lower Upper

76 100

78 8.6 7.4 11.0





#15

Methvl Acetate

Concen: 11.331 ug/L

RT: 2.47 min Scan# 428

Delta R.T. 0.01 min

Lab File: VV015268.D

Acq: 30 Mar 2020 12:15

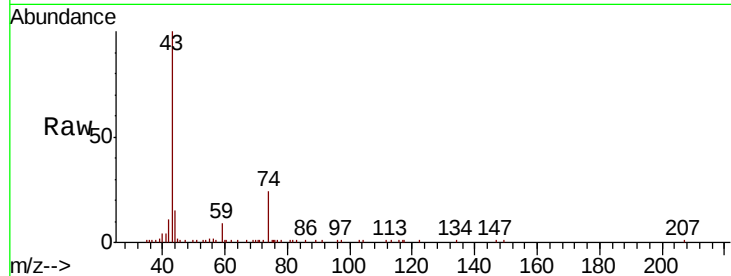
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 43 Resp: 44914

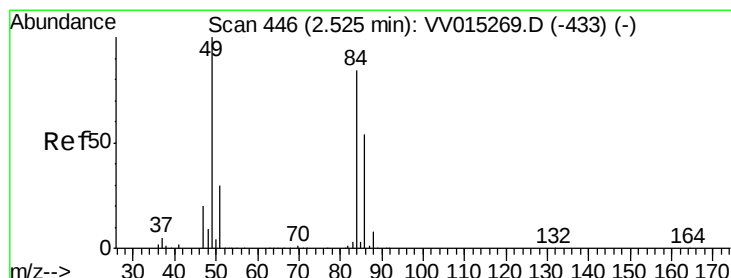
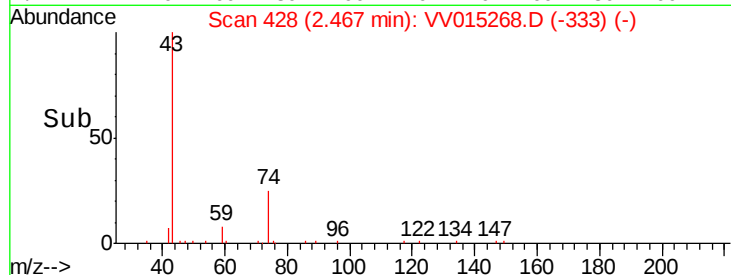
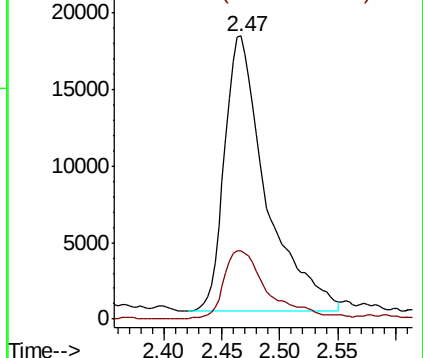
Ion Ratio Lower Upper

43 100

74 24.6 20.3 30.5



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



#16

Methylene chloride

Concen: 11.177 ug/L

RT: 2.52 min Scan# 446

Delta R.T. -0.00 min

Lab File: VV015268.D

Acq: 30 Mar 2020 12:15

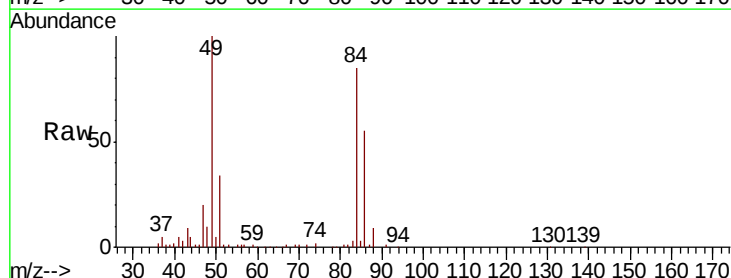
Tgt Ion: 84 Resp: 46917

Ion Ratio Lower Upper

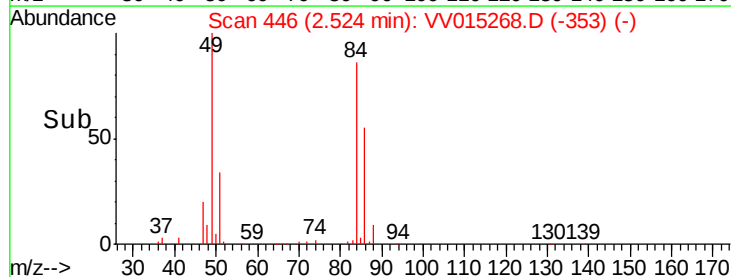
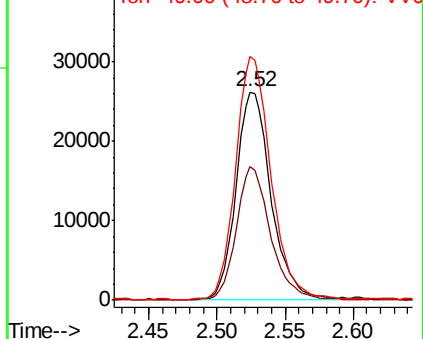
84 100

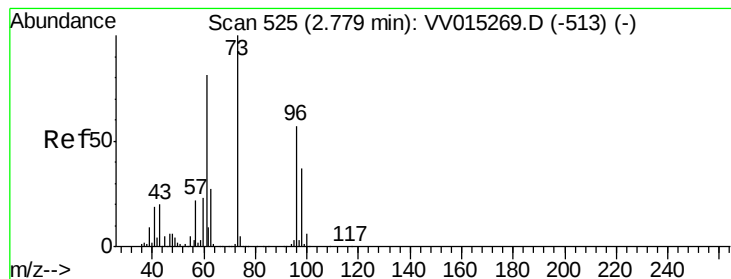
86 64.5 45.5 84.5

49 117.1 83.7 155.4



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: 10.751 ug/L

RT: 2.78 min Scan# 525

Delta R.T. -0.00 min

Lab File: VV015268.D

Acq: 30 Mar 2020 12:15

Instrument :
MSVOA_V
ClientSampleId :

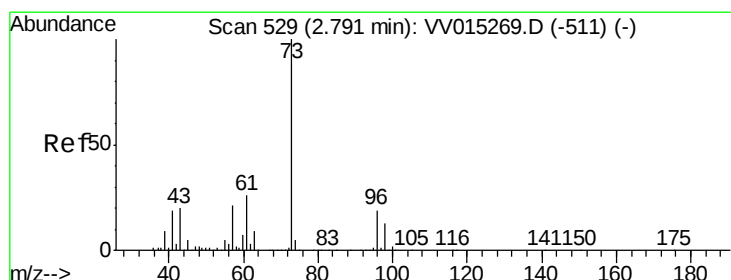
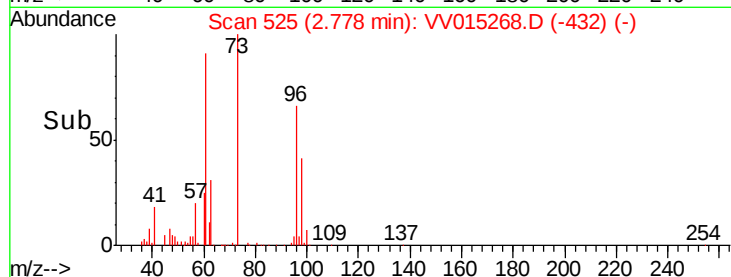
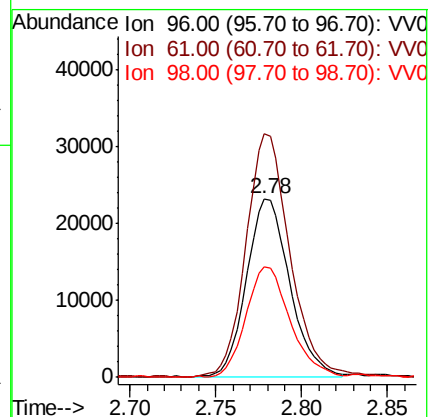
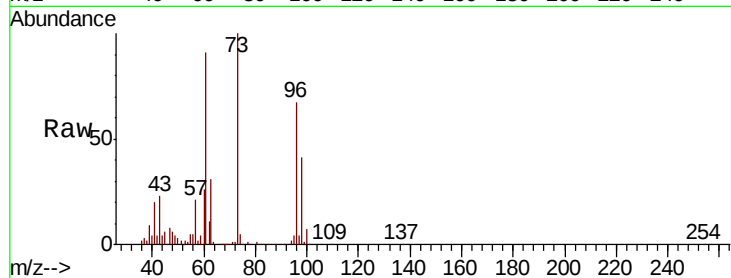
Tot Ion: 96 Resp: 40424

Ion Ratio Lower Upper

96 100

61 136.2 98.5 182.9

98 61.8 45.5 84.5



#18

Methyl tert-butyl Ether

Concen: 11.043 ug/L

RT: 2.79 min Scan# 530

Delta R.T. 0.00 min

Lab File: VV015268.D

Acq: 30 Mar 2020 12:15

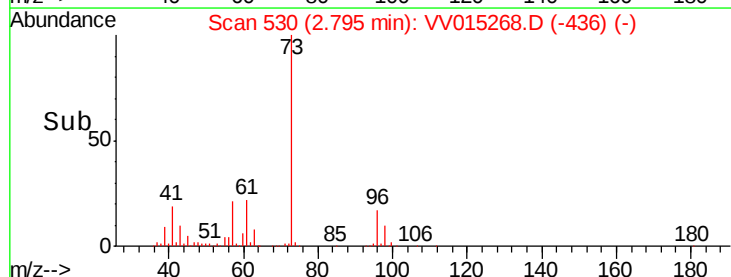
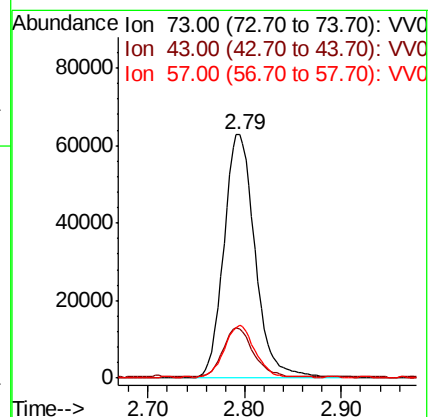
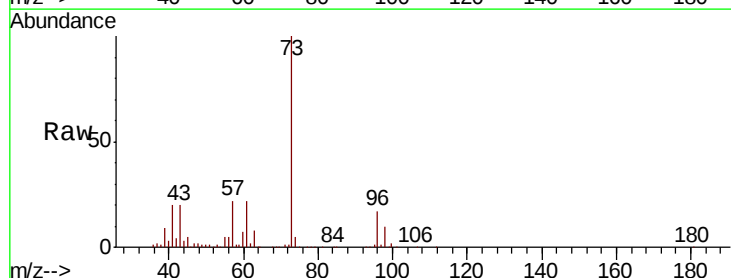
Tgt Ion: 73 Resp: 141374

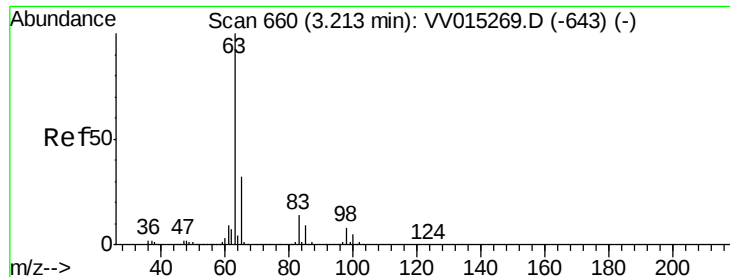
Ion Ratio Lower Upper

73 100

43 19.2 15.7 23.5

57 20.4 16.6 25.0





#19

1,1-Dichloroethane

Concen: 10.966 ug/L

RT: 3.21 min Scan# 660

Delta R.T. -0.00 min

Lab File: VV015268.D

Acq: 30 Mar 2020 12:15

Instrument :

MSVOA_V

ClientSampleId :

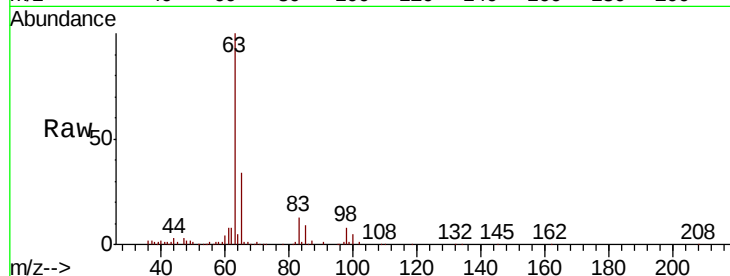
Tot Ion: 63 Resp: 76872

Ion Ratio Lower Upper

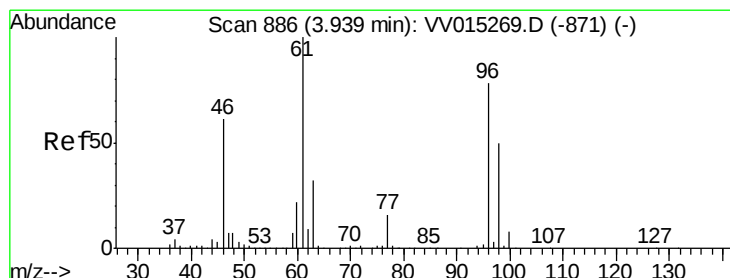
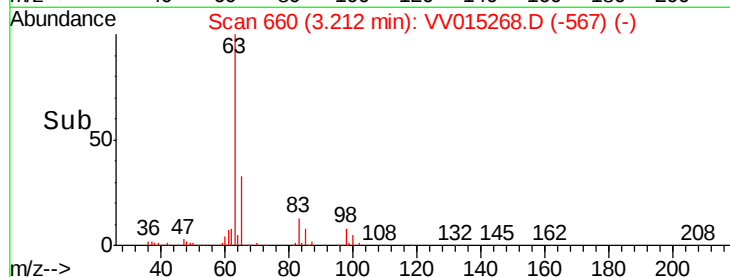
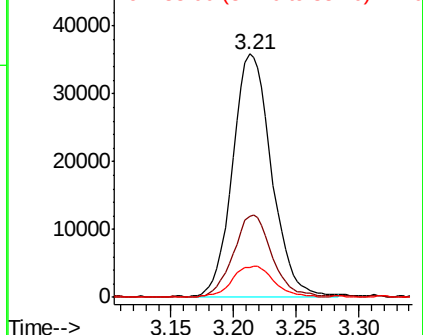
63 100

65 33.5 22.2 41.2

83 12.5 9.7 18.1



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



#20

cis-1,2-Dichloroethene

Concen: 10.818 ug/L

RT: 3.94 min Scan# 887

Delta R.T. 0.00 min

Lab File: VV015268.D

Acq: 30 Mar 2020 12:15

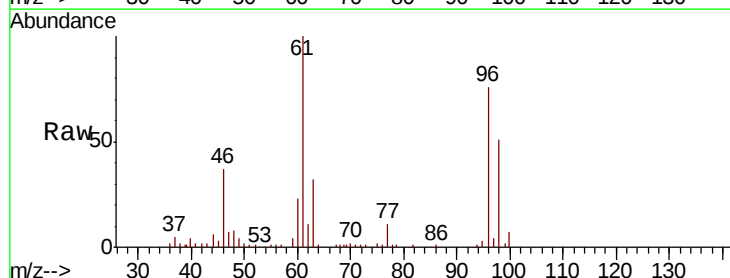
Tgt Ion: 96 Resp: 45724

Ion Ratio Lower Upper

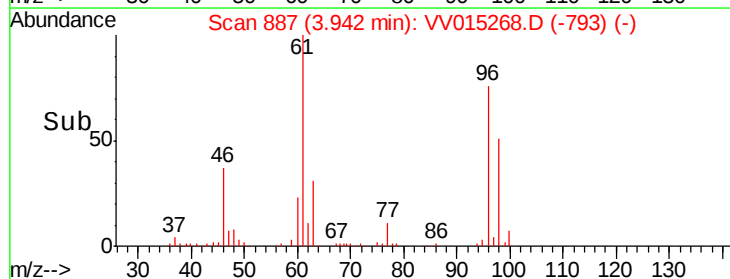
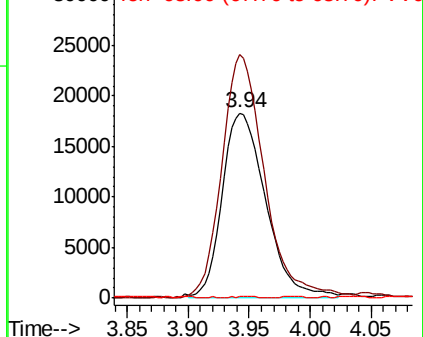
96 100

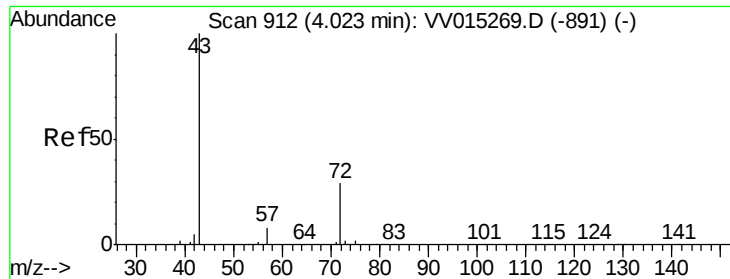
61 131.8 90.2 167.6

68 0.7 0.1 0.1#



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

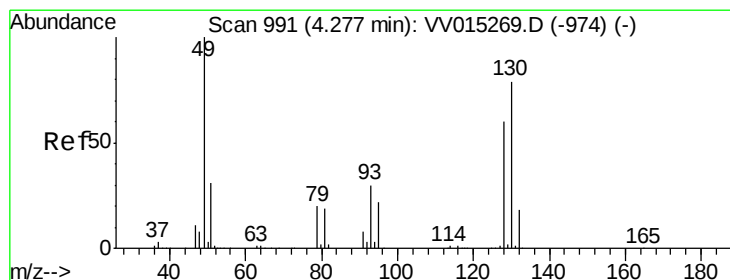
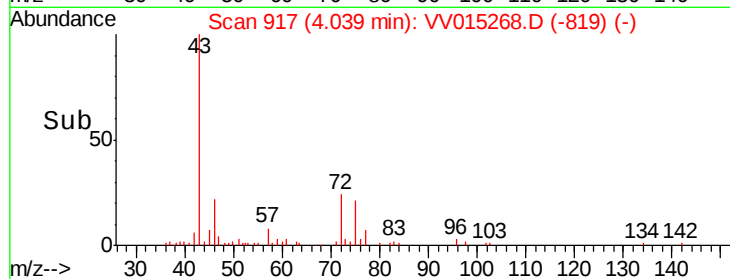
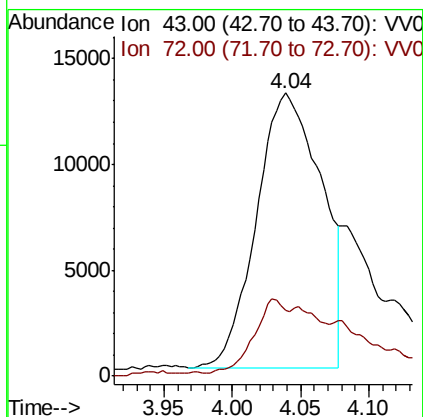
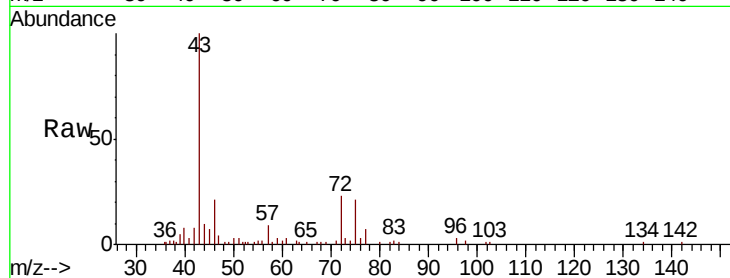




#22
 2-Butanone
 Concen: 14.536 ug/L
 RT: 4.04 min Scan# 917
 Delta R.T. 0.02 min
 Lab File: VV015268.D
 Acq: 30 Mar 2020 12:15

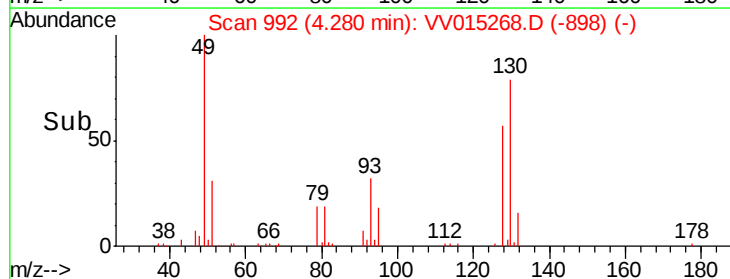
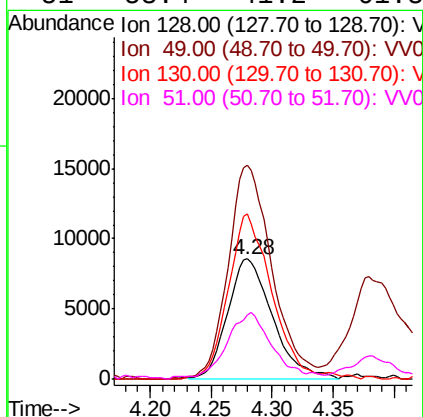
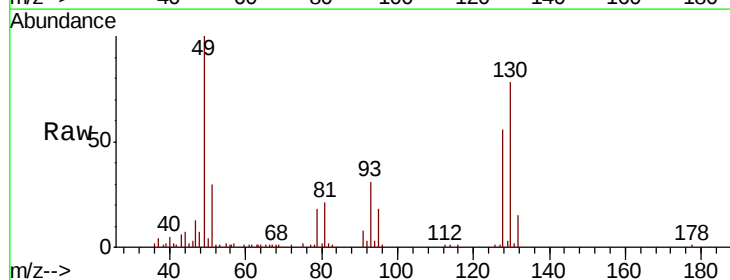
Instrument :
 MSVOA_V
 ClientSampleId :

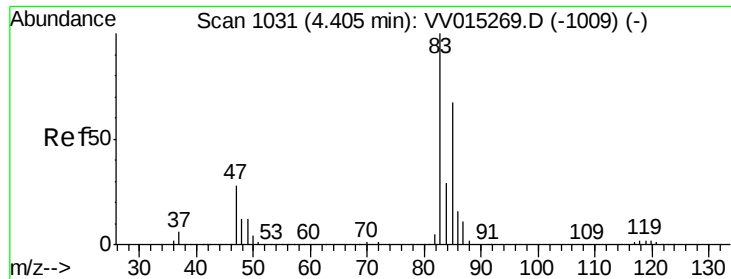
Tot Ion: 43 Resp: 43150
 Ion Ratio Lower Upper
 43 100
 72 13.8 12.4 37.0



#23
 Bromochloromethane
 Concen: 10.550 ug/L
 RT: 4.28 min Scan# 992
 Delta R.T. 0.00 min
 Lab File: VV015268.D
 Acq: 30 Mar 2020 12:15

Tgt Ion:128 Resp: 21968
 Ion Ratio Lower Upper
 128 100
 49 177.9 116.3 216.1
 130 137.9 91.1 169.3
 51 53.4 41.2 61.8

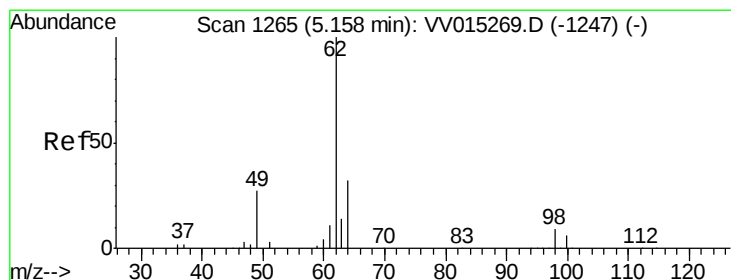
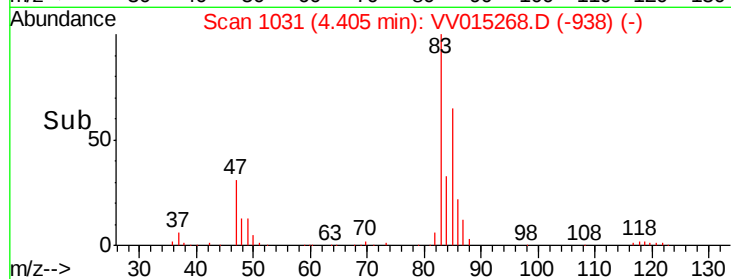
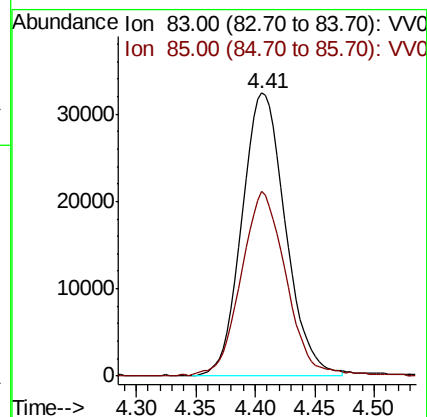
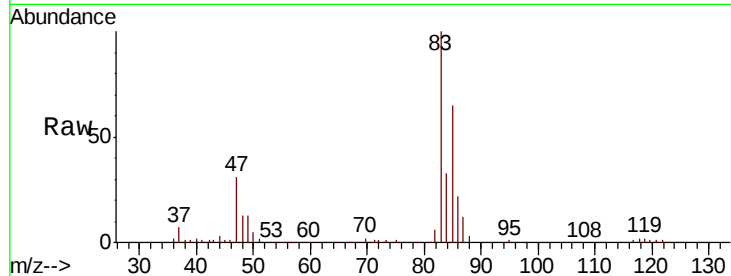




#25
Chloroform
Concen: 11.030 ug/L
RT: 4.41 min Scan# 1031
Delta R.T. -0.00 min
Lab File: VV015268.D
Acq: 30 Mar 2020 12:15

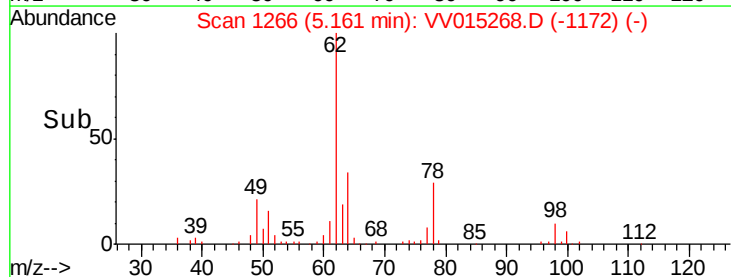
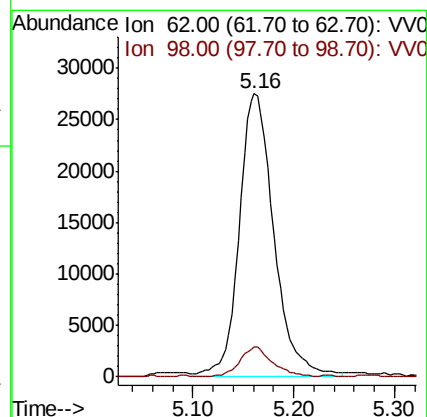
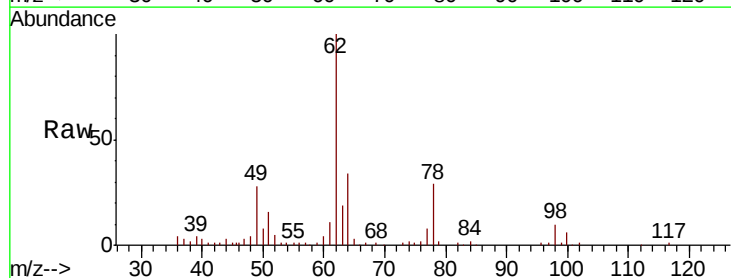
Instrument :
MSVOA_V
ClientSampleId :

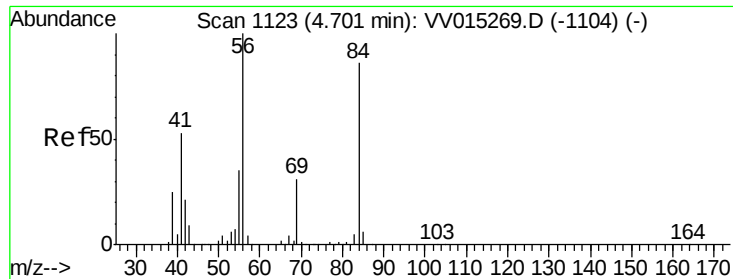
Tot Ion: 83 Resp: 82555
Ion Ratio Lower Upper
83 100
85 65.2 46.6 86.6



#27
1,2-Dichloroethane
Concen: 11.048 ug/L
RT: 5.16 min Scan# 1266
Delta R.T. 0.00 min
Lab File: VV015268.D
Acq: 30 Mar 2020 12:15

Tgt Ion: 62 Resp: 65766
Ion Ratio Lower Upper
62 100
98 10.4 7.4 11.0

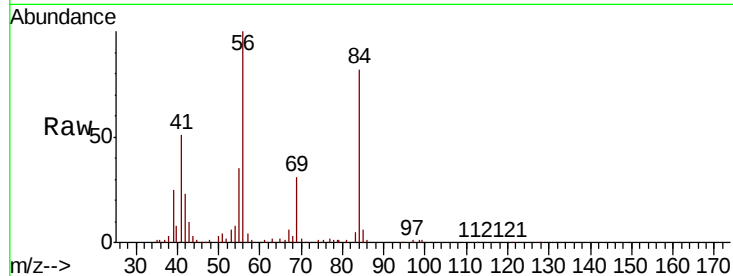




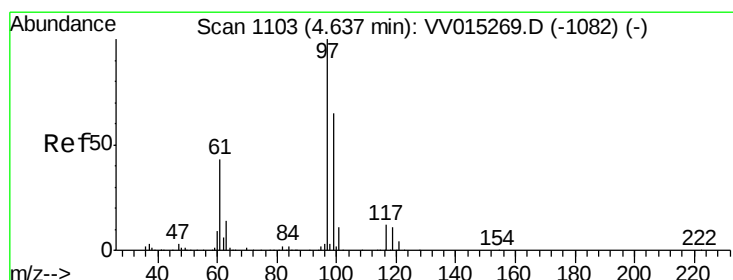
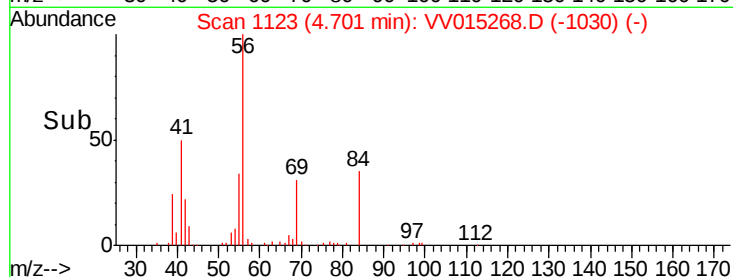
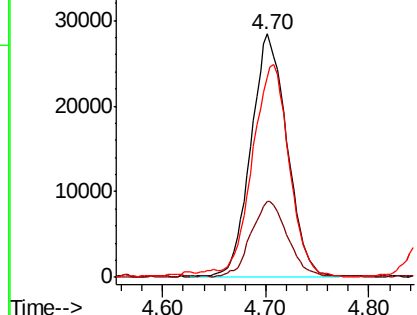
#29
Cyclohexane
Concen: 11.230 ug/L
RT: 4.70 min Scan# 1123
Delta R.T. -0.00 min
Lab File: VV015268.D
Acq: 30 Mar 2020 12:15

Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 56 Resp: 69403
Ion Ratio Lower Upper
56 100
69 31.6 25.3 37.9
84 86.6 72.7 109.1

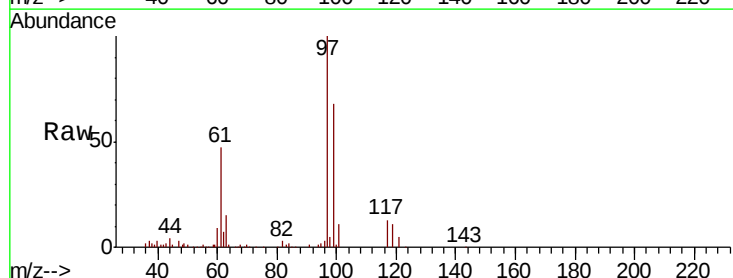


Abundance Ion 56.00 (55.70 to 56.70): VV0
Ion 69.00 (68.70 to 69.70): VV0
Ion 84.00 (83.70 to 84.70): VV0

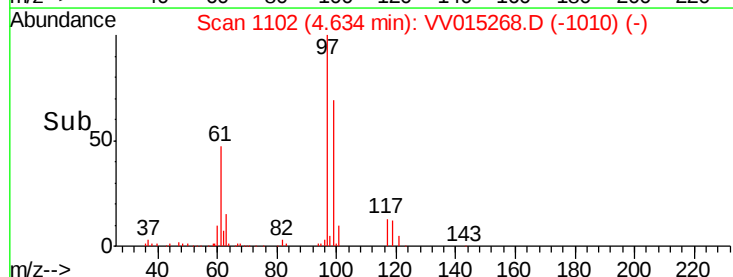
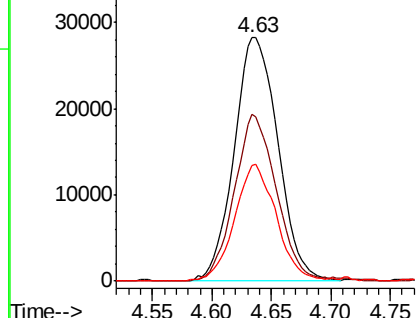


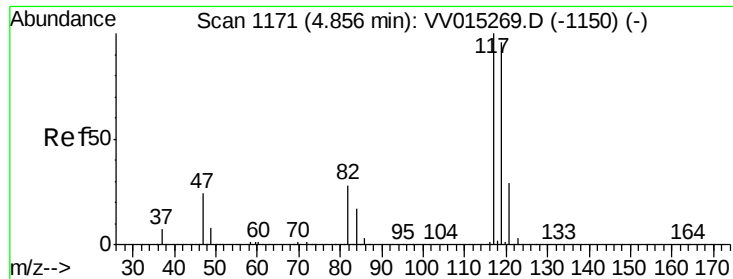
#30
1,1,1-Trichloroethane
Concen: 10.920 ug/L
RT: 4.63 min Scan# 1102
Delta R.T. -0.00 min
Lab File: VV015268.D
Acq: 30 Mar 2020 12:15

Tgt Ion: 97 Resp: 72195
Ion Ratio Lower Upper
97 100
99 65.3 50.9 76.3
61 45.5 34.3 51.5



Abundance Ion 97.00 (96.70 to 97.70): VV0
Ion 99.00 (98.70 to 99.70): VV0
Ion 61.05 (60.75 to 61.75): VV0

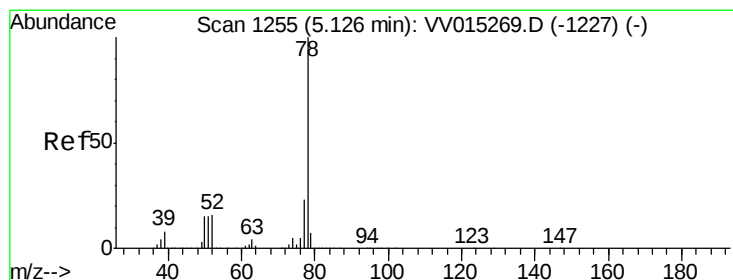
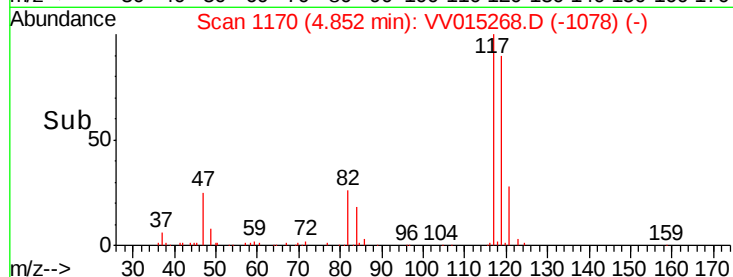
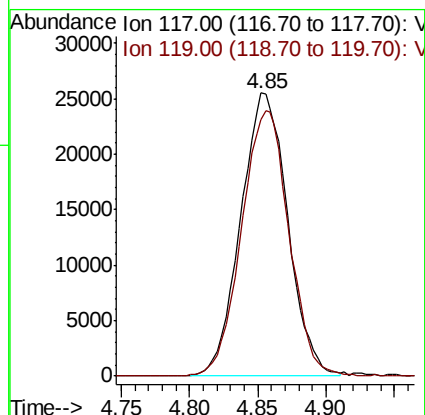
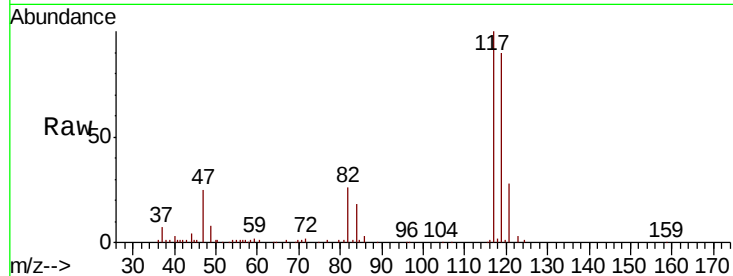




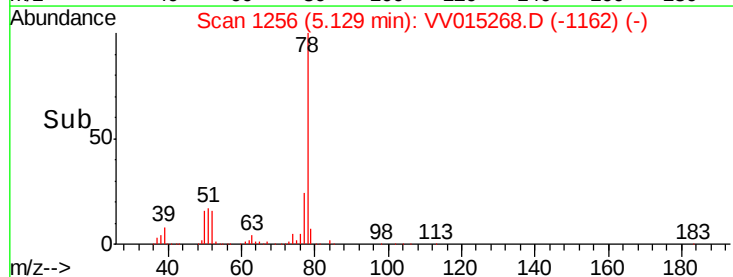
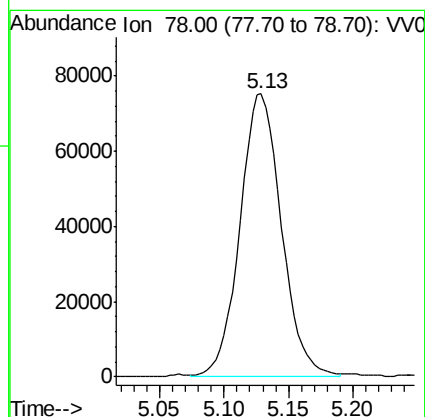
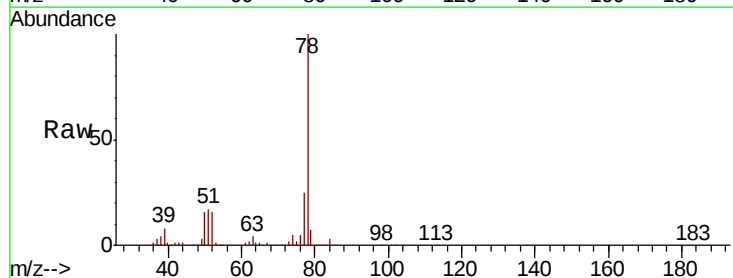
#31
Carbon tetrachloride
Concen: 10.913 ug/L
RT: 4.85 min Scan# 1170
Delta R.T. -0.00 min
Lab File: VV015268.D
Acq: 30 Mar 2020 12:15

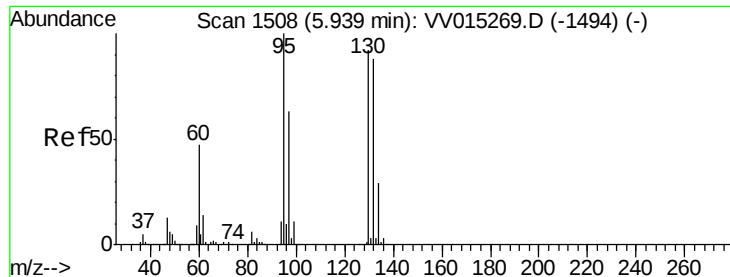
Instrument :
MSVOA_V
ClientSampled :

Tot Ion:117 Resp: 61124
Ion Ratio Lower Upper
117 100
119 94.3 75.8 113.8



#33
Benzene
Concen: 10.866 ug/L
RT: 5.13 min Scan# 1256
Delta R.T. 0.00 min
Lab File: VV015268.D
Acq: 30 Mar 2020 12:15
Tgt Ion: 78 Resp: 167732





#34

Trichloroethene

Concen: 10.807 ug/L

RT: 5.94 min Scan# 1508

Delta R.T. -0.00 min

Lab File: VV015268.D

Acq: 30 Mar 2020 12:15

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 95 Resp: 44753

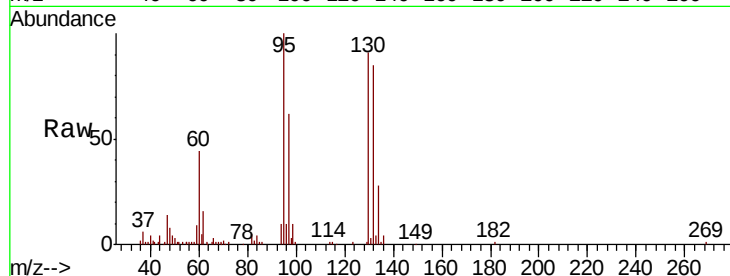
Ion Ratio Lower Upper

95 100

97 61.9 44.0 81.6

132 85.1 61.8 114.8

130 91.1 64.5 119.9

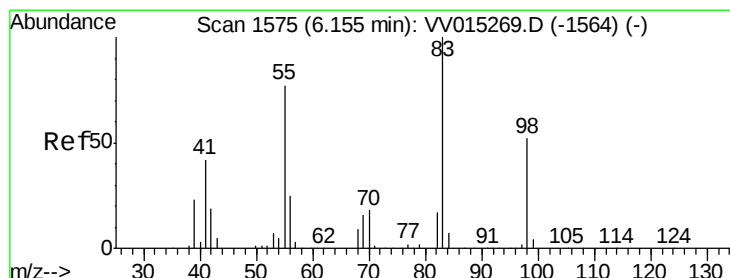
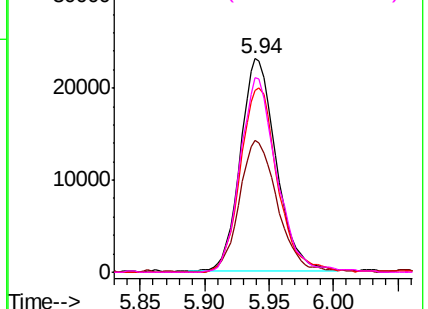
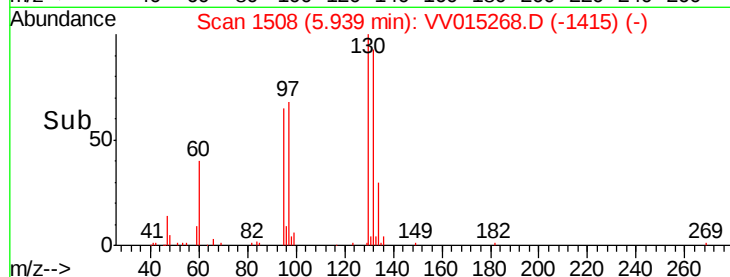


Abundance Ion 95.00 (94.70 to 95.70): VV015268.D (-1415) (-)

Ion 97.00 (96.70 to 97.70): VV015268.D (-1415) (-)

Ion 132.00 (131.70 to 132.70): VV015268.D (-1415) (-)

Ion 130.00 (129.70 to 130.70): VV015268.D (-1415) (-)



#35

Methylcyclohexane

Concen: 11.155 ug/L

RT: 6.15 min Scan# 1575

Delta R.T. -0.00 min

Lab File: VV015268.D

Acq: 30 Mar 2020 12:15

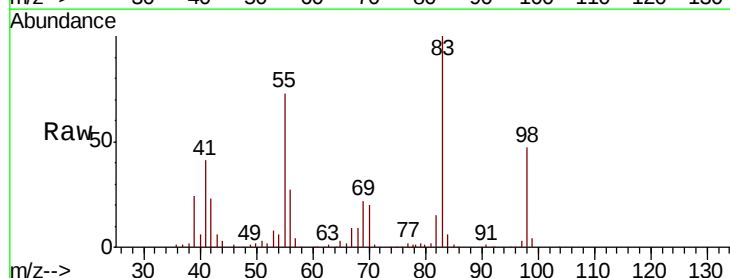
Tgt Ion: 83 Resp: 72450

Ion Ratio Lower Upper

83 100

55 74.7 59.4 89.2

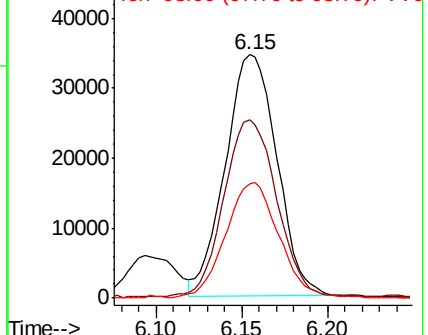
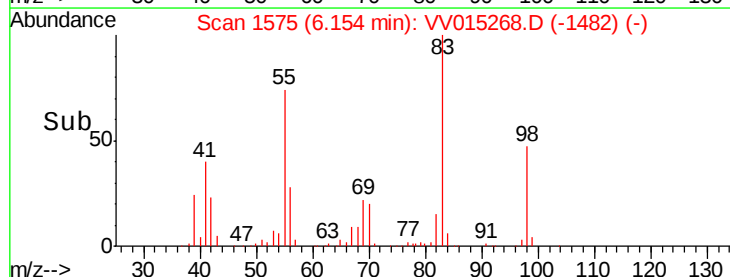
98 49.5 38.6 58.0

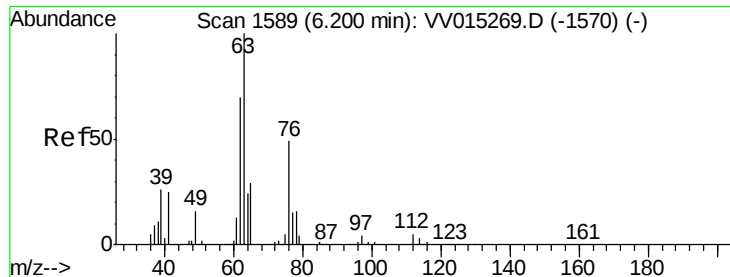


Abundance Ion 83.00 (82.70 to 83.70): VV015268.D (-1482) (-)

Ion 55.00 (54.70 to 55.70): VV015268.D (-1482) (-)

Ion 98.00 (97.70 to 98.70): VV015268.D (-1482) (-)





#37

1,2-Dichloropropane

Concen: 10.664 ug/L

RT: 6.20 min Scan# 1589

Delta R.T. -0.00 min

Lab File: VV015268.D

Acq: 30 Mar 2020 12:15

Instrument :

MSVOA_V

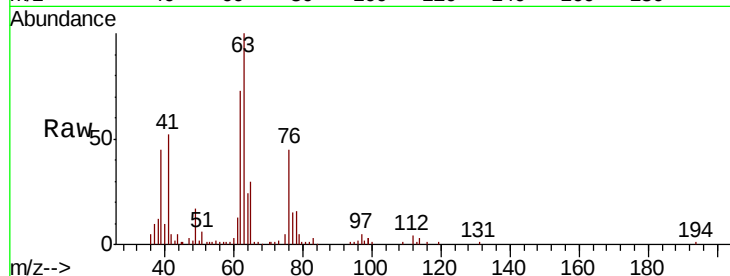
ClientSampled :

Tot Ion: 63 Resp: 41870

Ion Ratio Lower Upper

63 100

112 4.1 3.7 5.5



Abundance Ion 63.00 (62.70 to 63.70): VV015269.D (-1570) (-)

Ion 112.00 (111.70 to 112.70): VV015269.D (-1570) (-)

6.20

25000

20000

15000

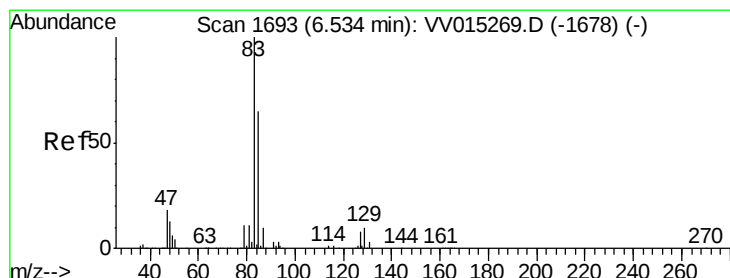
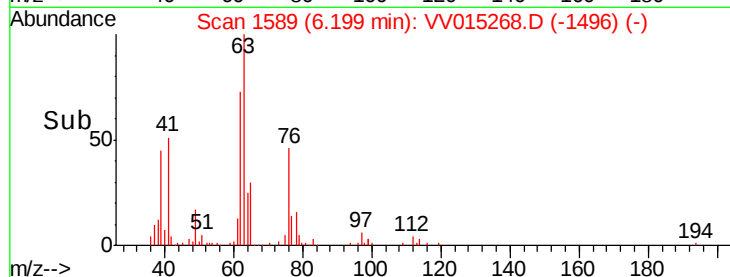
10000

5000

0

6.15 6.20 6.25

Time-->



#38

Bromodichloromethane

Concen: 10.862 ug/L

RT: 6.53 min Scan# 1693

Delta R.T. -0.00 min

Lab File: VV015268.D

Acq: 30 Mar 2020 12:15

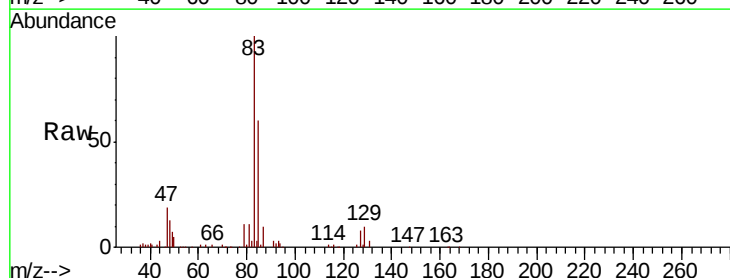
Tgt Ion: 83 Resp: 61330

Ion Ratio Lower Upper

83 100

85 60.4 45.1 83.9

127 8.3 6.3 9.5



Abundance Ion 83.00 (82.70 to 83.70): VV015269.D (-1678) (-)

Ion 85.00 (84.70 to 85.70): VV015269.D (-1678) (-)

Ion 127.00 (126.70 to 127.70): VV015269.D (-1678) (-)

6.53

40000

30000

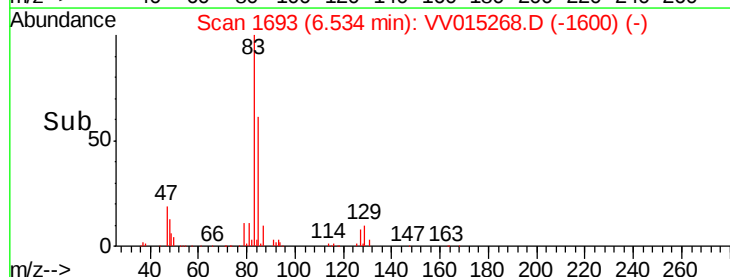
20000

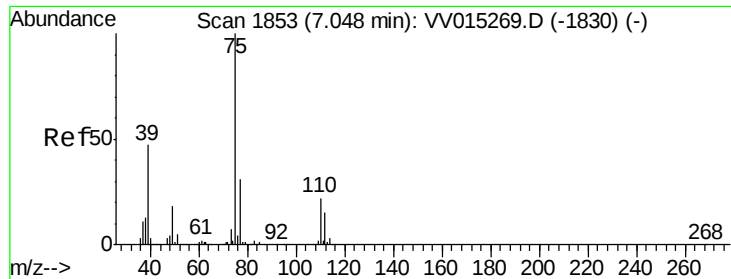
10000

0

6.45 6.50 6.55 6.60

Time-->



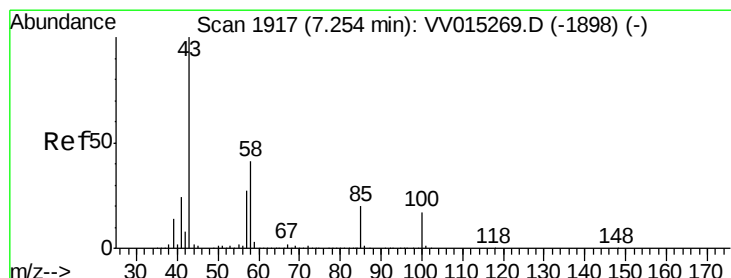
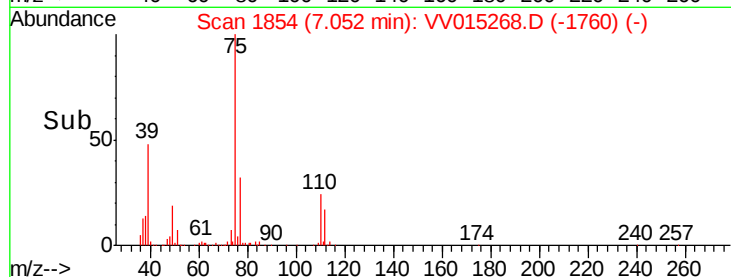
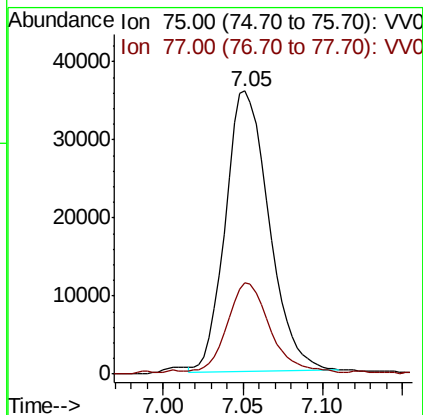
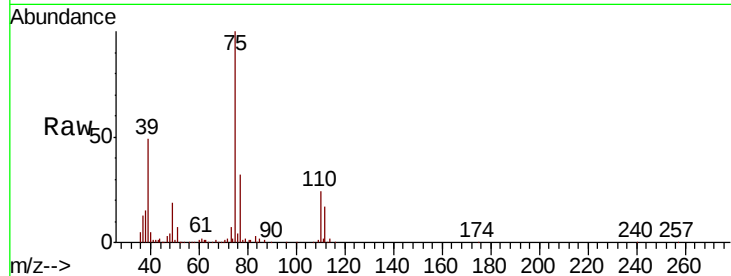


#39

cis-1,3-Dichloropropene
 Concen: 10.120 ug/L
 RT: 7.05 min Scan# 1854
 Delta R.T. 0.00 min
 Lab File: VV015268.D
 Acq: 30 Mar 2020 12:15

Instrument :
 MSVOA_V
 ClientSampleId :

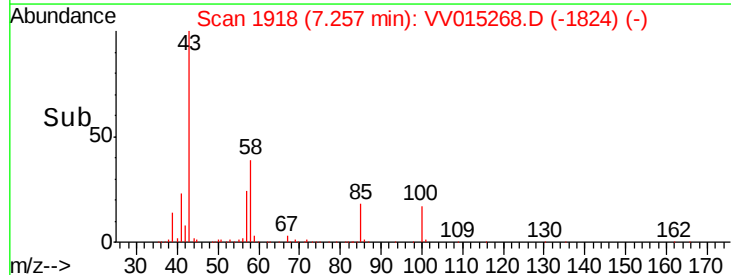
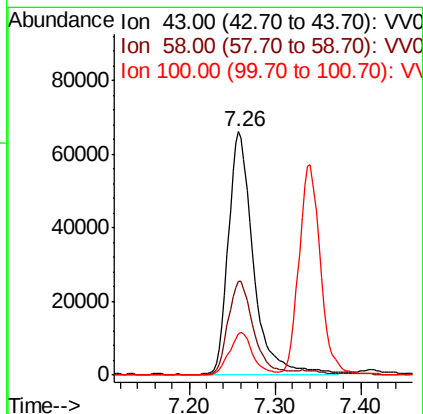
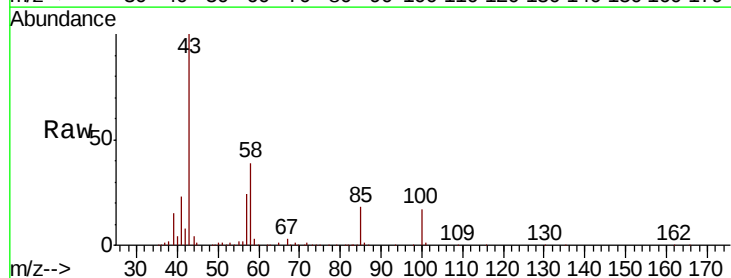
Tot Ion: 75 Resp: 67104
 Ion Ratio Lower Upper
 75 100
 77 32.4 21.6 40.0

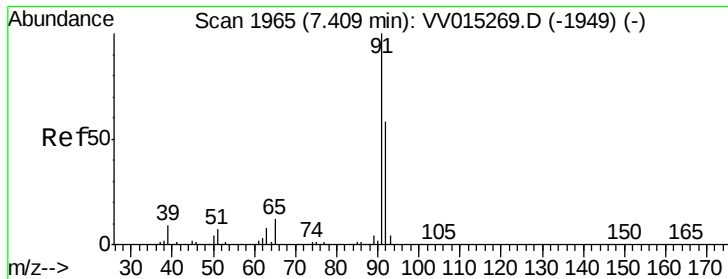


#40

4-Methyl-2-pentanone
 Concen: 22.854 ug/L
 RT: 7.26 min Scan# 1918
 Delta R.T. 0.00 min
 Lab File: VV015268.D
 Acq: 30 Mar 2020 12:15

Tgt Ion: 43 Resp: 133418
 Ion Ratio Lower Upper
 43 100
 58 39.3 32.9 49.3
 100 16.6 13.9 20.9





#42

Toluene

Concen: 10.696 ug/L

RT: 7.41 min Scan# 1966

Delta R.T. 0.00 min

Lab File: VV015268.D

Acq: 30 Mar 2020 12:15

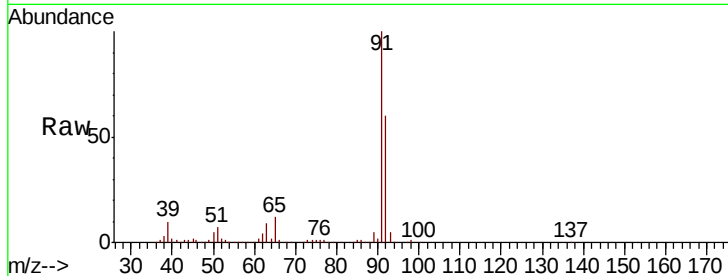
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 91 Resp: 185352

Ion Ratio Lower Upper

91 100

92 59.8 40.3 74.9



Abundance Ion 91.00 (90.70 to 91.70): VV015268.D (-1872) (-)

Ion 92.00 (91.70 to 92.70): VV015268.D (-1872) (-)

7.41

120000

100000

80000

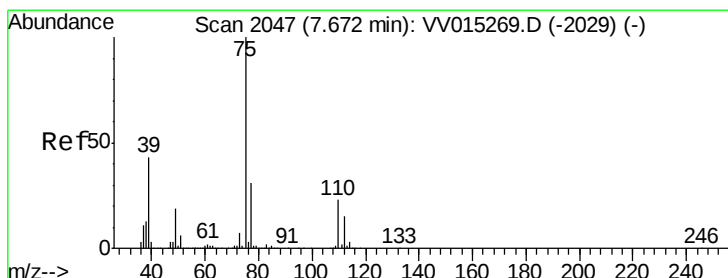
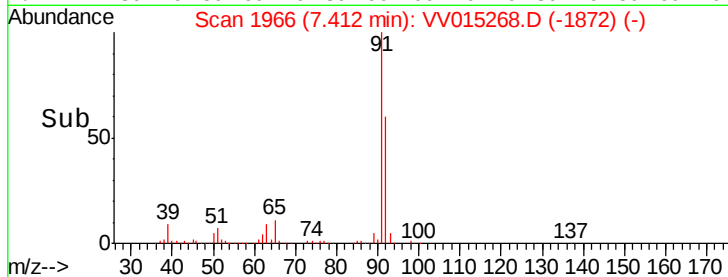
60000

40000

20000

0

Time-->



#44

trans-1,3-Dichloropropene

Concen: 10.748 ug/L

RT: 7.68 min Scan# 2048

Delta R.T. 0.00 min

Lab File: VV015268.D

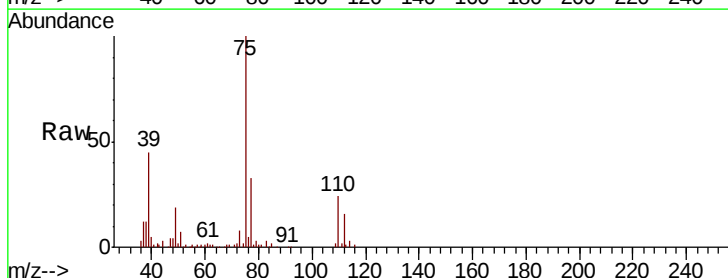
Acq: 30 Mar 2020 12:15

Tgt Ion: 75 Resp: 70029

Ion Ratio Lower Upper

75 100

77 33.2 21.8 40.4



Abundance Ion 75.00 (74.70 to 75.70): VV015268.D (-1954) (-)

Ion 77.00 (76.70 to 77.70): VV015268.D (-1954) (-)

7.68

40000

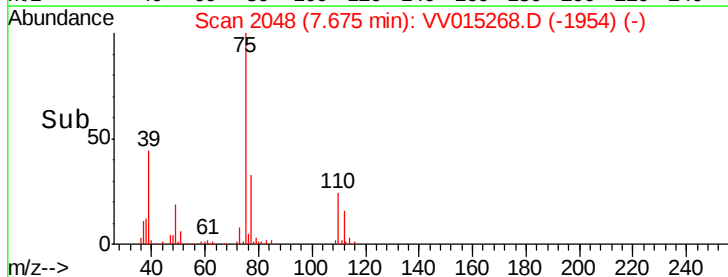
30000

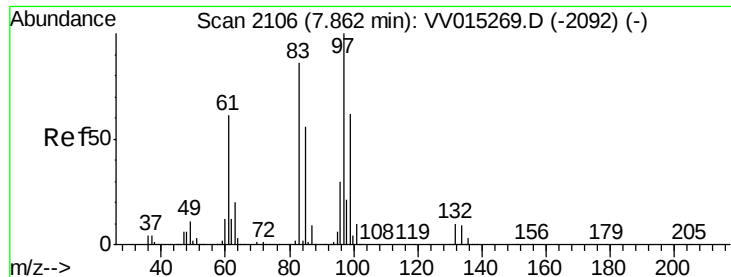
20000

10000

0

Time-->

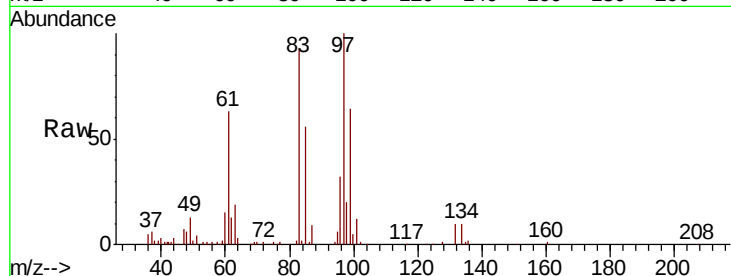




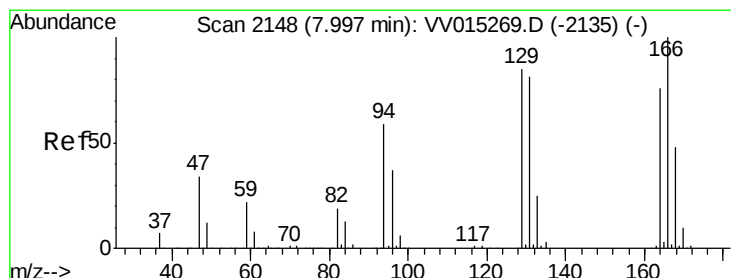
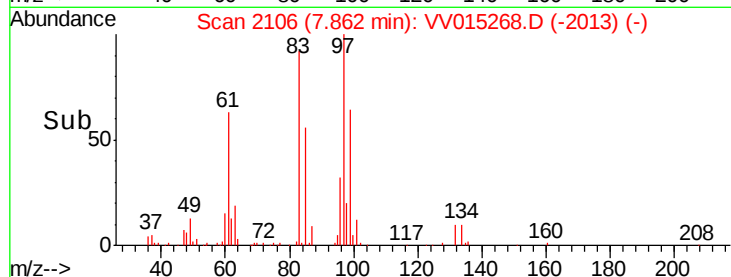
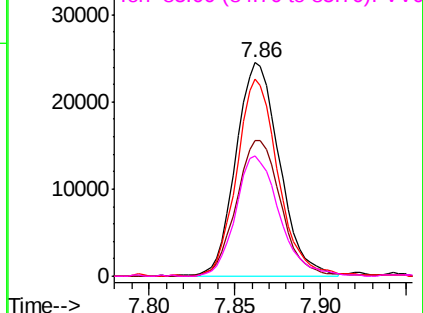
#45
1,1,2-Trichloroethane
Concen: 10.912 ug/L
RT: 7.86 min Scan# 2106
Delta R.T. -0.00 min
Lab File: VV015268.D
Acq: 30 Mar 2020 12:15

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion:	97	Resp:	43162
Ion	Ratio	Lower	Upper
97	100		
99	63.8	43.6	81.0
83	92.5	60.0	111.4
85	56.3	39.3	72.9

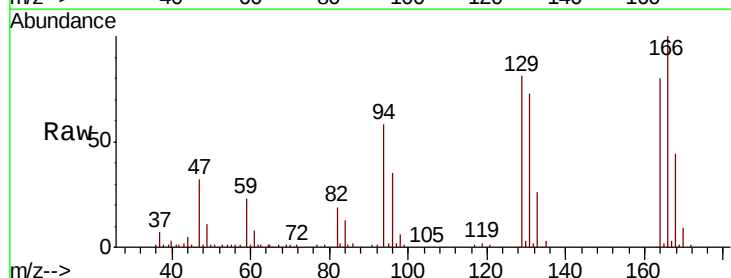


Abundance Ion 97.00 (96.70 to 97.70): VV015268.D (-2092) (-)
Ion 99.00 (98.70 to 99.70): VV015268.D (-2092) (-)
Ion 83.00 (82.70 to 83.70): VV015268.D (-2092) (-)
Ion 85.00 (84.70 to 85.70): VV015268.D (-2092) (-)

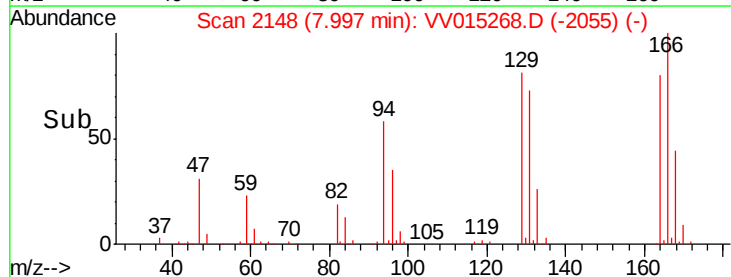
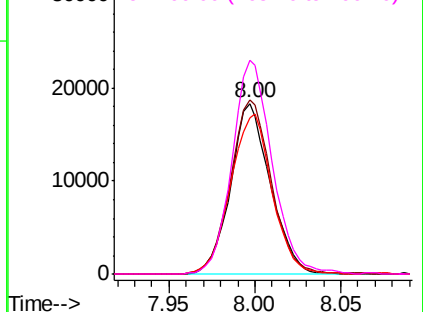


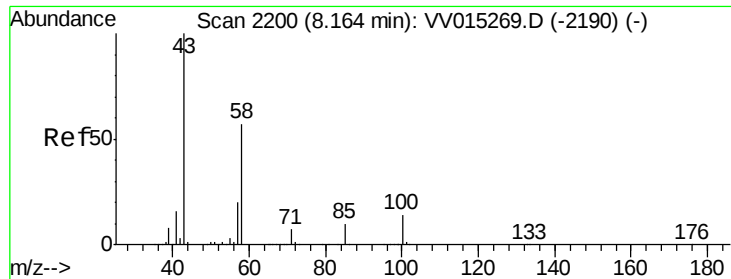
#46
Tetrachloroethene
Concen: 10.764 ug/L
RT: 8.00 min Scan# 2148
Delta R.T. -0.00 min
Lab File: VV015268.D
Acq: 30 Mar 2020 12:15

Tgt Ion:	164	Resp:	29494
Ion	Ratio	Lower	Upper
164	100		
129	102.0	77.8	144.4
131	91.9	73.9	137.3
166	125.3	91.7	170.3



Abundance Ion 164.00 (163.70 to 164.70): VV015268.D (-2135) (-)
Ion 129.00 (128.70 to 129.70): VV015268.D (-2135) (-)
Ion 131.00 (130.70 to 131.70): VV015268.D (-2135) (-)
Ion 166.00 (165.70 to 166.70): VV015268.D (-2135) (-)

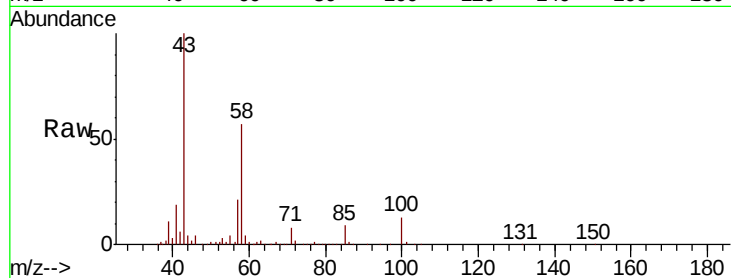




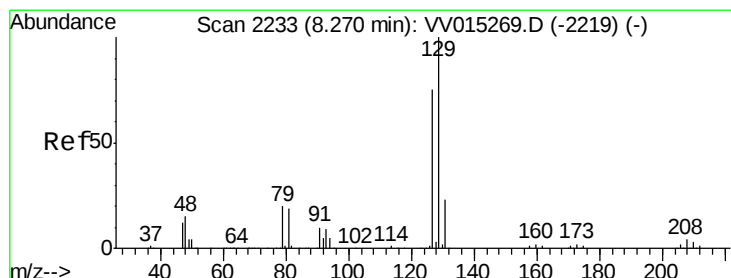
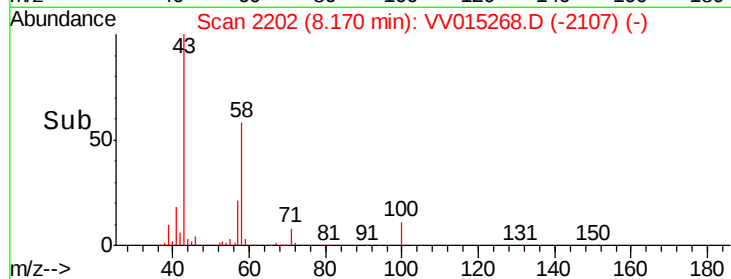
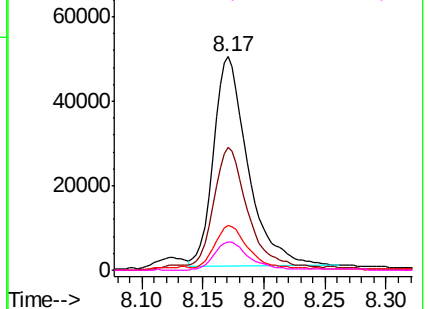
#48
2-Hexanone
Concen: 21.831 ug/L
RT: 8.17 min Scan# 2202
Delta R.T. 0.01 min
Lab File: VV015268.D
Acq: 30 Mar 2020 12:15

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 43 Resp: 97772
Ion Ratio Lower Upper
43 100
58 54.1 47.0 70.6
57 19.8 16.2 24.2
100 13.7 11.0 16.6

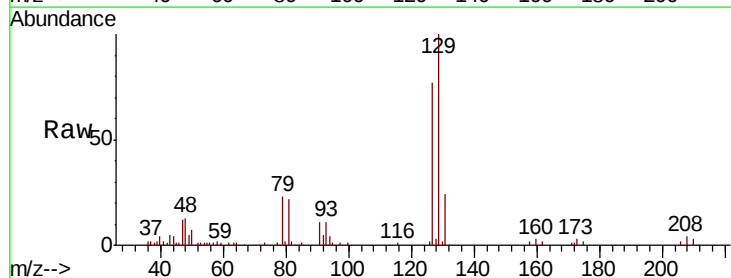


Abundance Ion 43.00 (42.70 to 43.70): VV0
Ion 58.00 (57.70 to 58.70): VV0
Ion 57.00 (56.70 to 57.70): VV0
Ion 100.00 (99.70 to 100.70): VV0

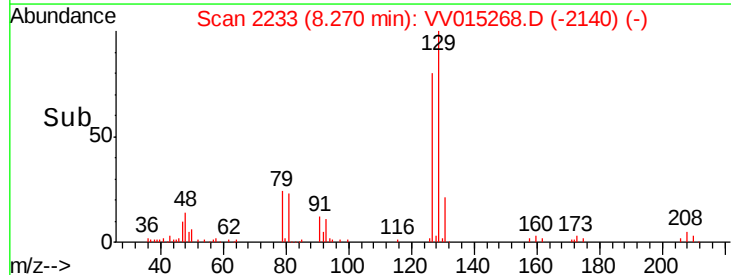
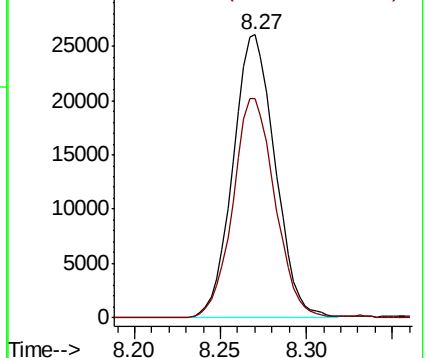


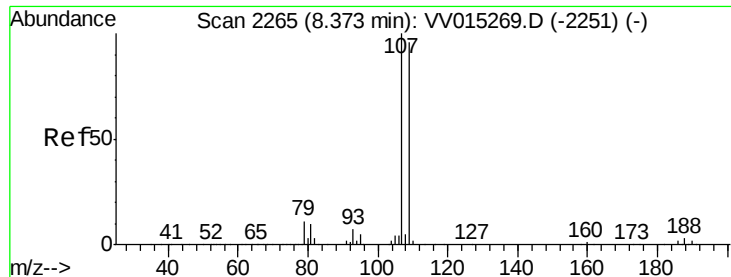
#49
Dibromochloromethane
Concen: 10.294 ug/L
RT: 8.27 min Scan# 2233
Delta R.T. -0.00 min
Lab File: VV015268.D
Acq: 30 Mar 2020 12:15

Tgt Ion: 129 Resp: 44501
Ion Ratio Lower Upper
129 100
127 77.3 52.8 98.2



Abundance Ion 129.00 (128.70 to 129.70): V
Ion 127.00 (126.70 to 127.70): V

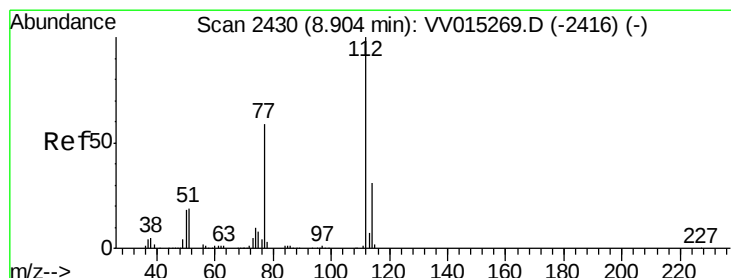
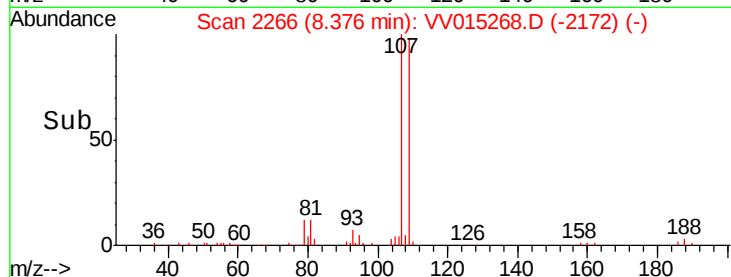
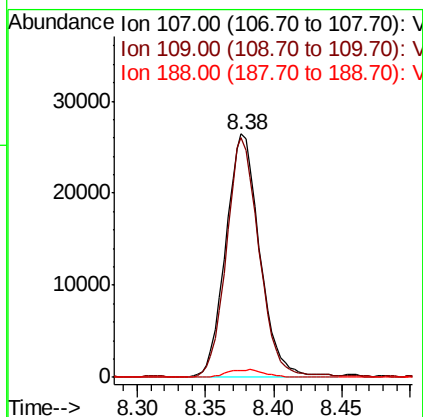
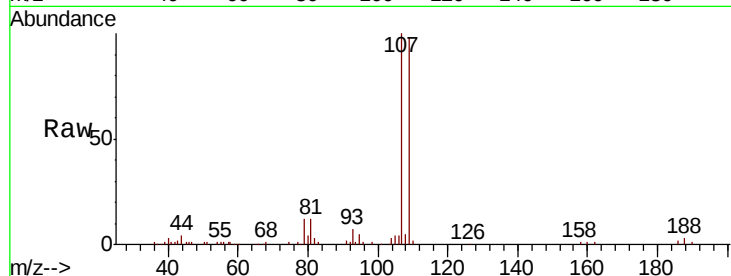




#50
1,2-Dibromoethane
Concen: 10.686 ug/L
RT: 8.38 min Scan# 2266
Delta R.T. 0.00 min
Lab File: VV015268.D
Acq: 30 Mar 2020 12:15

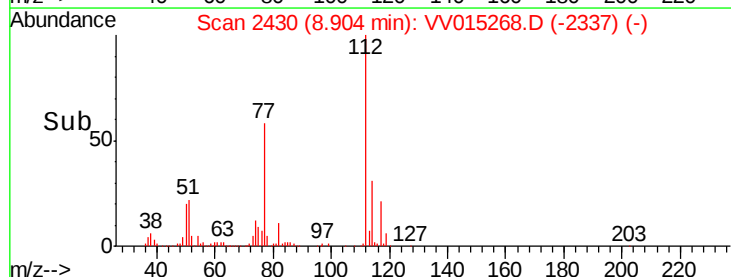
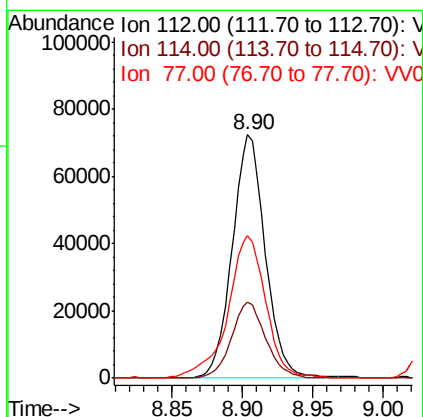
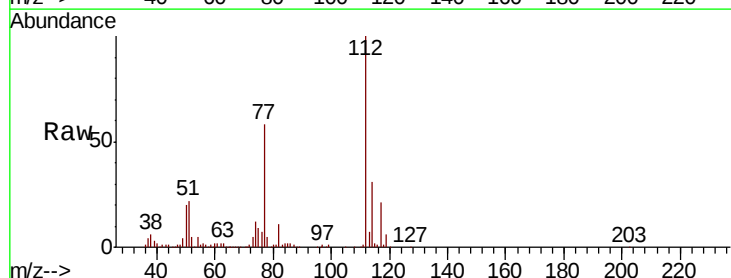
Instrument :
MSVOA_V
ClientSampleId :

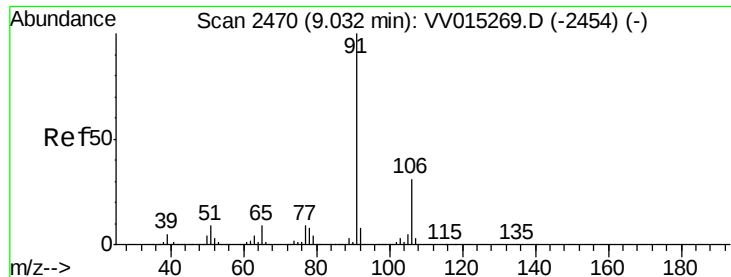
Tot Ion:107 Resp: 45926
Ion Ratio Lower Upper
107 100
109 98.3 67.1 124.7
188 2.6 2.5 3.7



#51
Chlorobenzene
Concen: 10.538 ug/L
RT: 8.90 min Scan# 2430
Delta R.T. -0.00 min
Lab File: VV015268.D
Acq: 30 Mar 2020 12:15

Tgt Ion:112 Resp: 118848
Ion Ratio Lower Upper
112 100
114 31.2 21.7 40.3
77 58.4 47.9 71.9

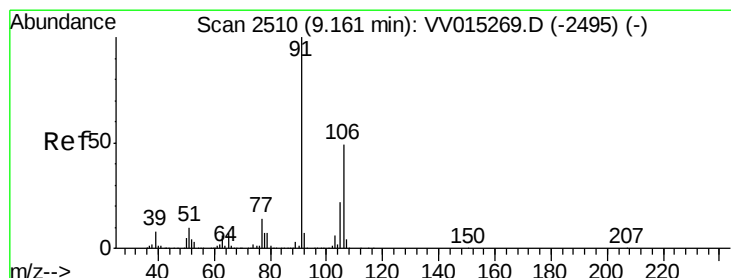
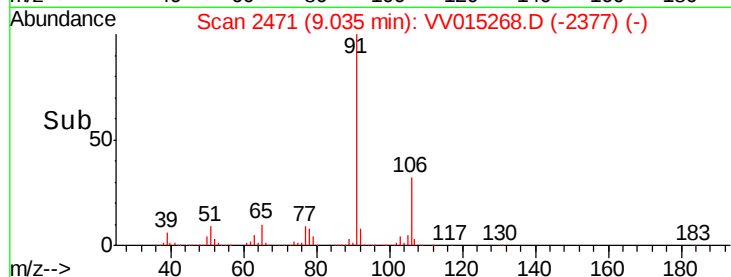
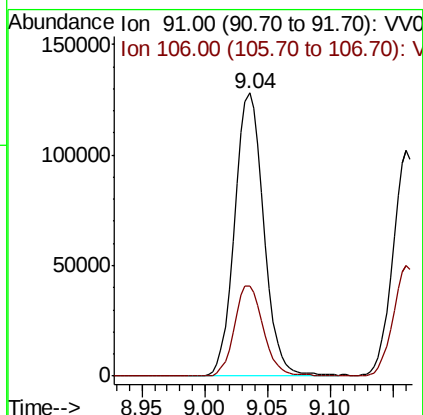
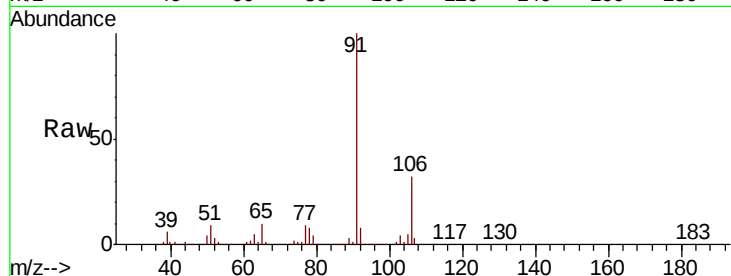




#52
Ethylbenzene
Concen: 10.560 ug/L
RT: 9.04 min Scan# 2471
Delta R.T. 0.00 min
Lab File: VV015268.D
Acq: 30 Mar 2020 12:15

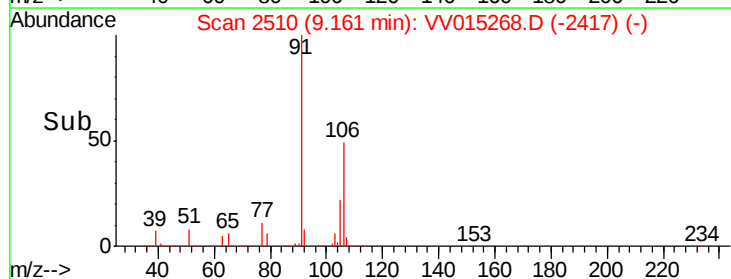
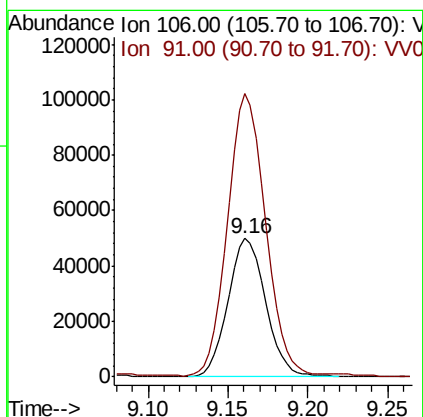
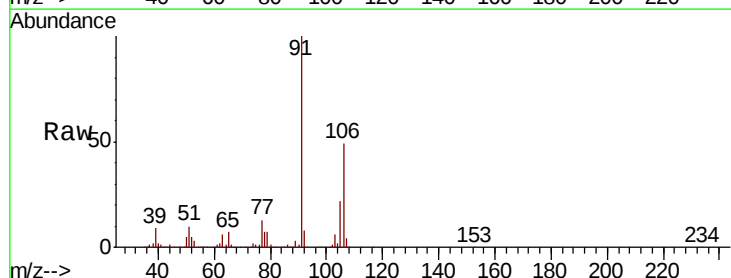
Instrument :
MSVOA_V
ClientSampled :

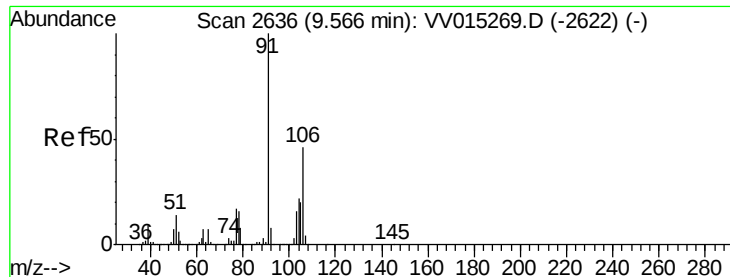
Tot Ion: 91 Resp: 206351
Ion Ratio Lower Upper
91 100
106 31.9 22.0 40.8



#53
m,p-Xylene
Concen: 10.777 ug/L
RT: 9.16 min Scan# 2510
Delta R.T. -0.00 min
Lab File: VV015268.D
Acq: 30 Mar 2020 12:15

Tgt Ion: 106 Resp: 80323
Ion Ratio Lower Upper
106 100
91 204.2 143.1 265.9





#54

o-xylene

Concen: 10.712 ug/L

RT: 9.57 min Scan# 2636

Delta R.T. -0.00 min

Lab File: VV015268.D

Acq: 30 Mar 2020 12:15

Instrument :

MSVOA_V

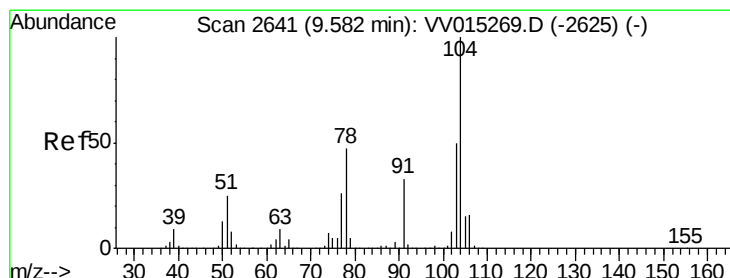
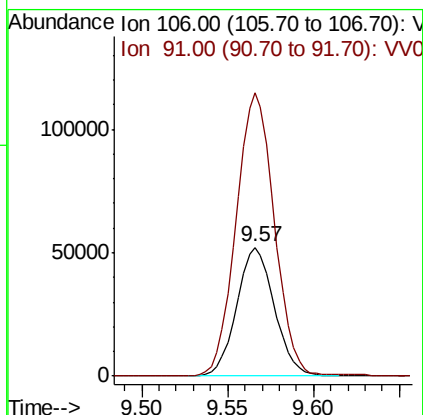
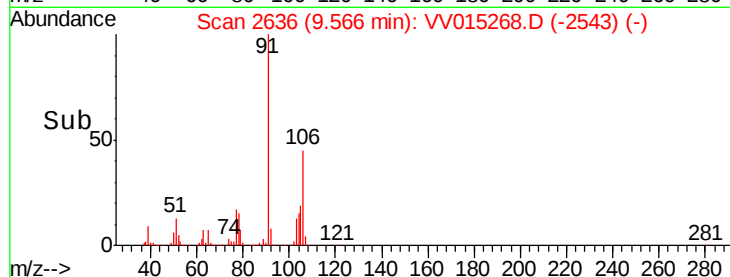
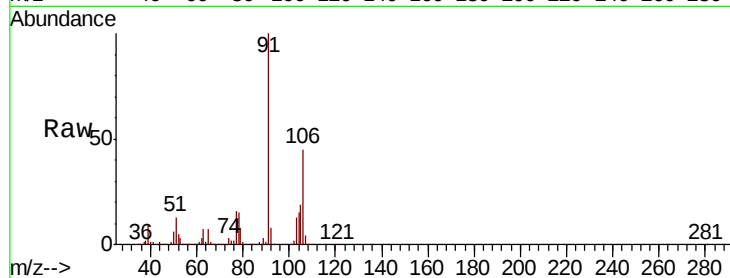
ClientSampled :

Tot Ion:106 Resp: 79429

Ion Ratio Lower Upper

106 100

91 220.0 153.4 285.0



#55

Styrene

Concen: 10.524 ug/L

RT: 9.59 min Scan# 2642

Delta R.T. 0.00 min

Lab File: VV015268.D

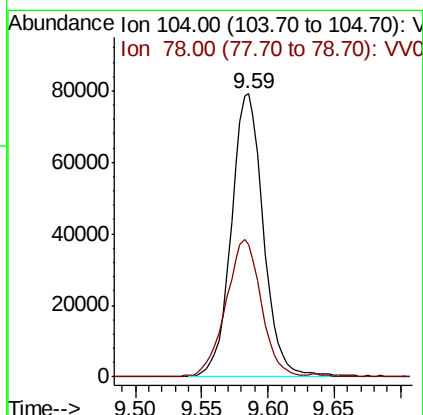
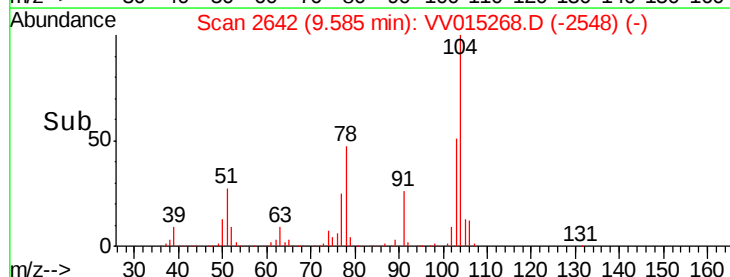
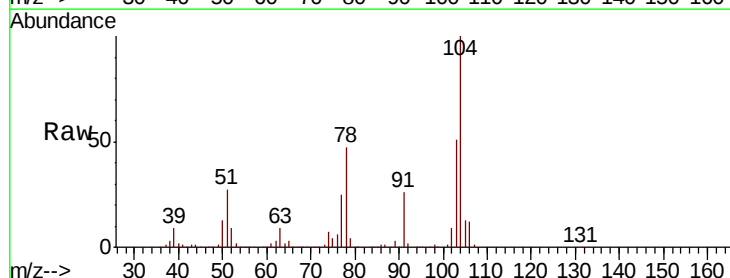
Acq: 30 Mar 2020 12:15

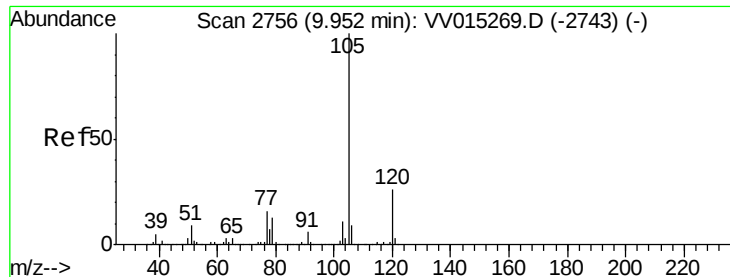
Tgt Ion:104 Resp: 133159

Ion Ratio Lower Upper

104 100

78 46.7 32.7 60.7





#56

Isopropylbenzene

Concen: 10.776 ug/L

RT: 9.95 min Scan# 2757

Delta R.T. 0.00 min

Lab File: VV015268.D

Acq: 30 Mar 2020 12:15

Instrument :

MSVOA_V

ClientSampleId :

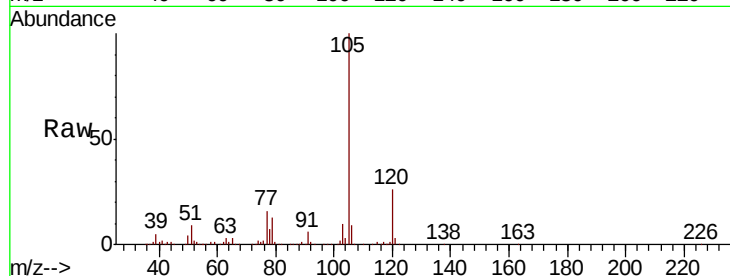
Tot Ion:105 Resp: 210326

Ion Ratio Lower Upper

105 100

120 25.6 20.7 31.1

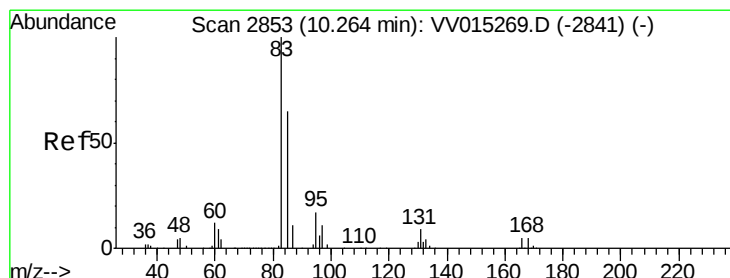
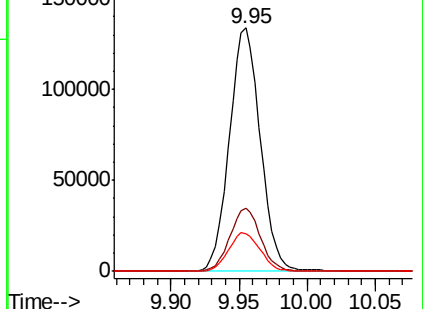
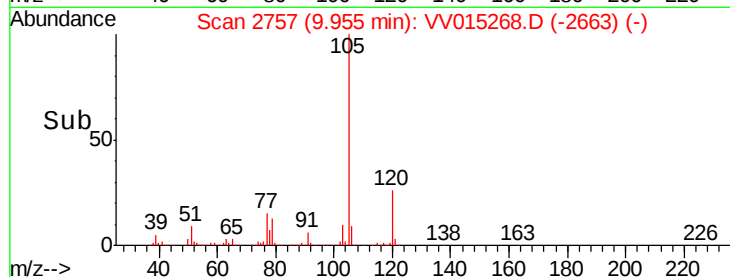
77 16.2 12.8 19.2



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): V



#58

1,1,2,2-Tetrachloroethane

Concen: 10.992 ug/L

RT: 10.26 min Scan# 2853

Delta R.T. -0.00 min

Lab File: VV015268.D

Acq: 30 Mar 2020 12:15

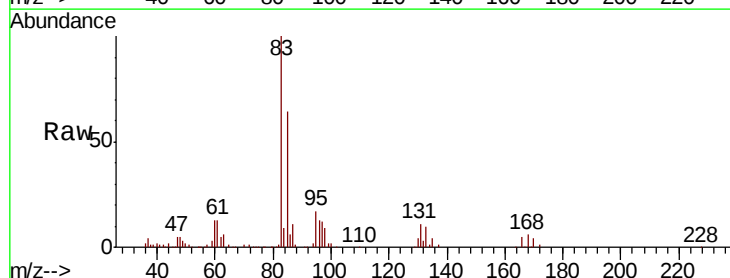
Tgt Ion: 83 Resp: 72155

Ion Ratio Lower Upper

83 100

85 63.8 46.3 85.9

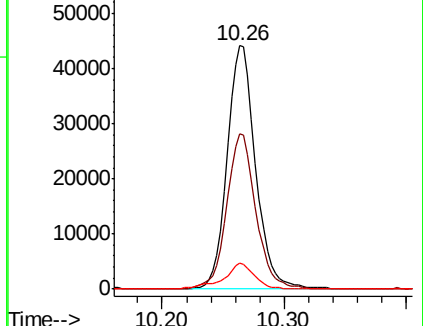
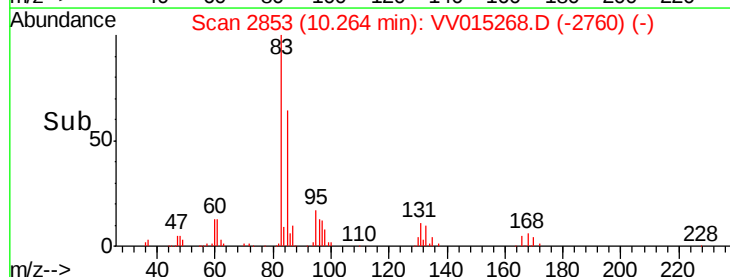
131 10.7 7.6 11.4

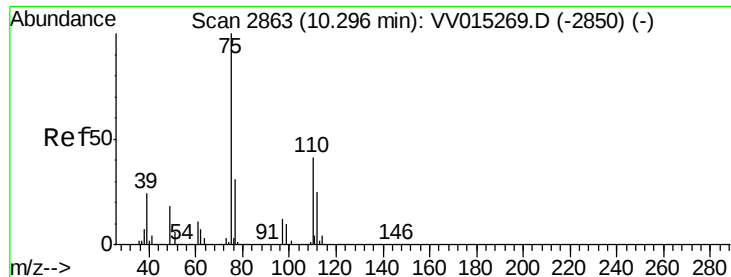


Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 10.880 ug/L

RT: 10.30 min Scan# 2864

Delta R.T. 0.00 min

Lab File: VV015268.D

Acq: 30 Mar 2020 12:15

Instrument :

MSVOA_V

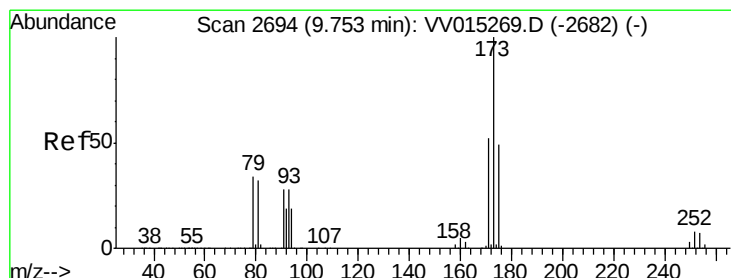
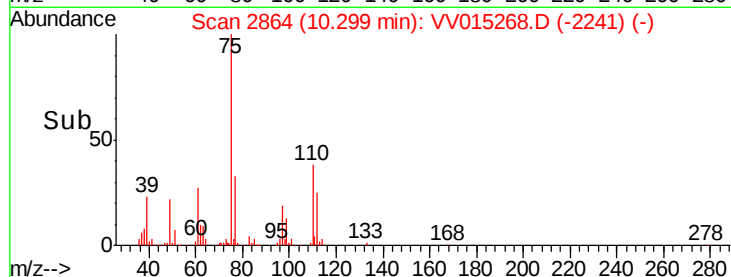
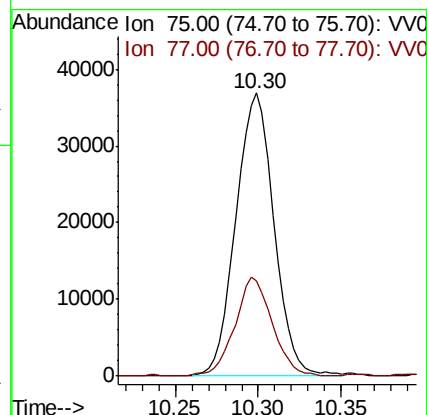
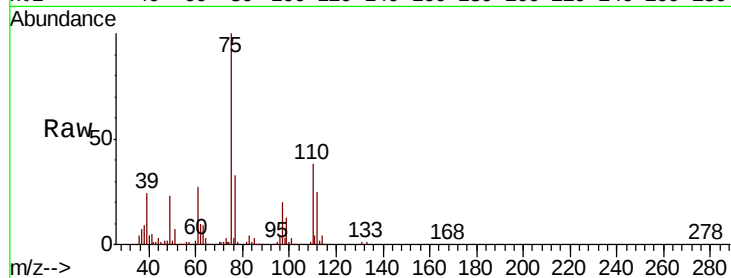
ClientSampleId :

Tot Ion: 75 Resp: 59104

Ion Ratio Lower Upper

75 100

77 34.2 24.7 37.1



#61

Bromoform

Concen: 10.109 ug/L

RT: 9.76 min Scan# 2695

Delta R.T. 0.00 min

Lab File: VV015268.D

Acq: 30 Mar 2020 12:15

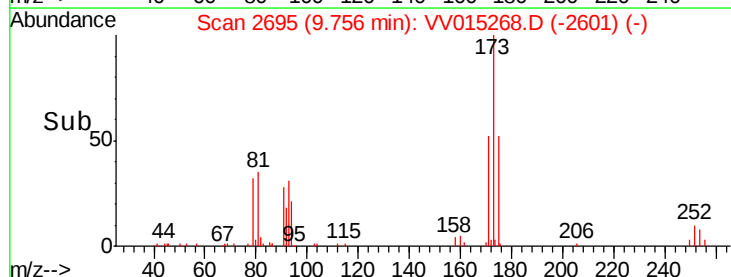
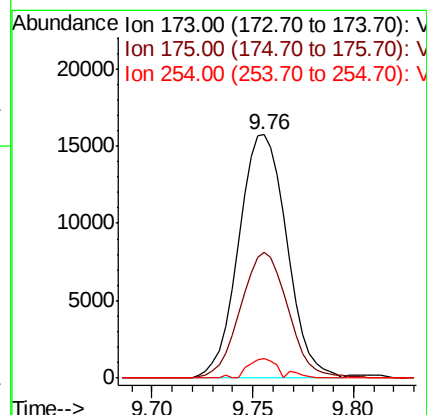
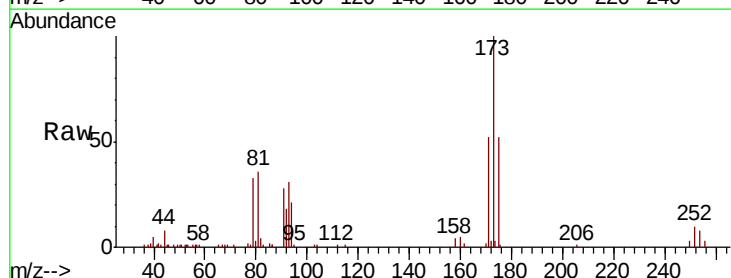
Tgt Ion: 173 Resp: 26394

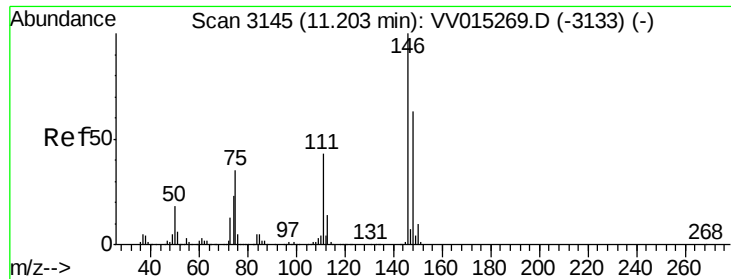
Ion Ratio Lower Upper

173 100

175 51.2 39.4 59.0

254 4.4 5.6 8.4#

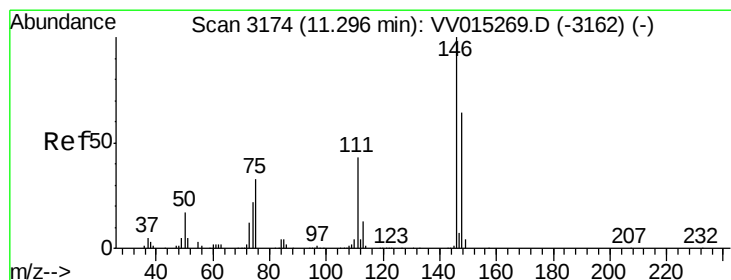
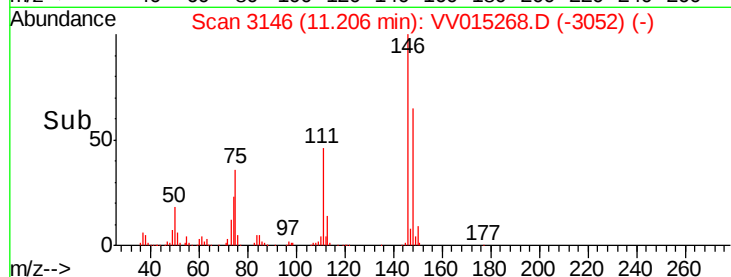
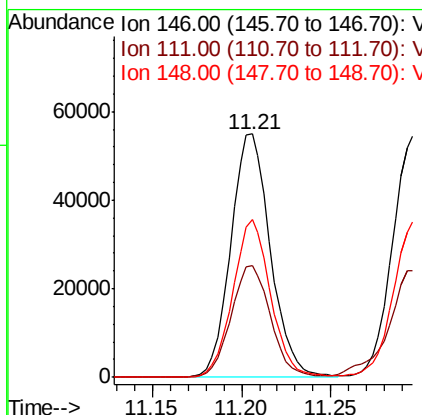
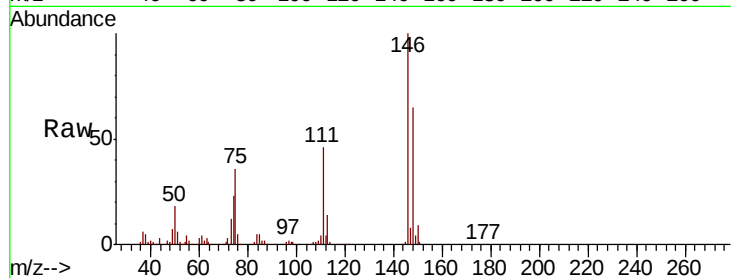




#62
 1,3-Dichlorobenzene
 Concen: 10.644 ug/L
 RT: 11.21 min Scan# 3146
 Delta R.T. 0.00 min
 Lab File: VV015268.D
 Acq: 30 Mar 2020 12:15

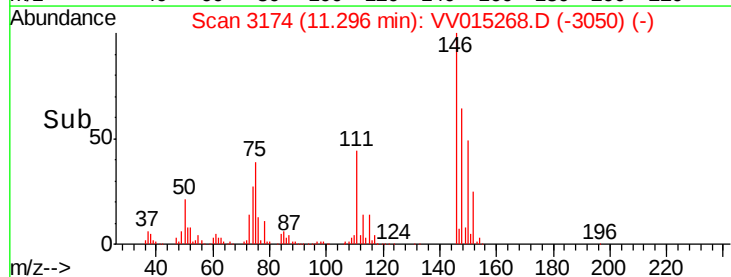
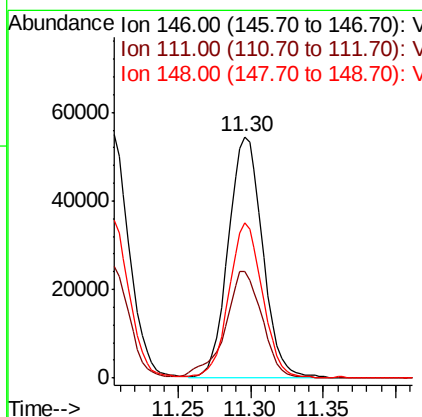
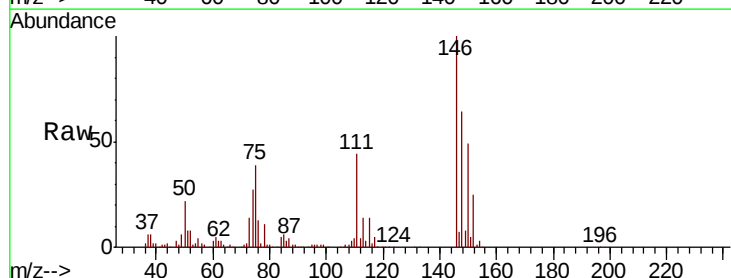
Instrument :
 MSVOA_V
 ClientSampleId :

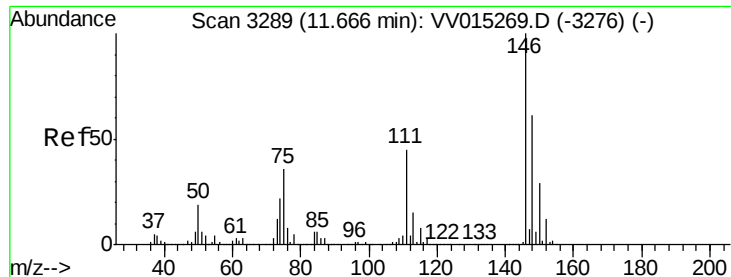
Tot Ion	Ratio	Lower	Upper
146	100		
111	46.0	30.4	56.4
148	64.8	43.9	81.5



#63
 1,4-Dichlorobenzene
 Concen: 10.999 ug/L
 RT: 11.30 min Scan# 3174
 Delta R.T. -0.00 min
 Lab File: VV015268.D
 Acq: 30 Mar 2020 12:15

Tgt Ion	Ratio	Lower	Upper
146	100		
111	44.2	30.5	56.7
148	64.2	45.0	83.6

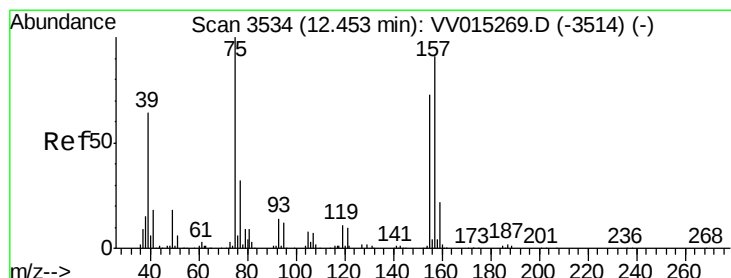
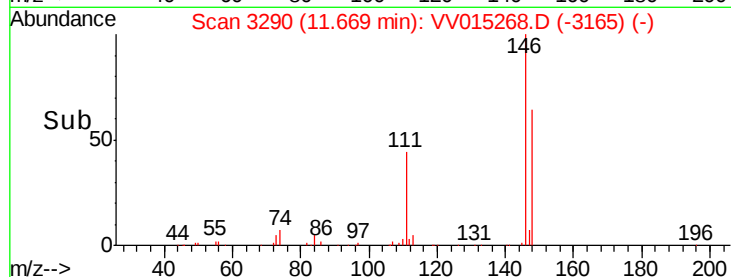
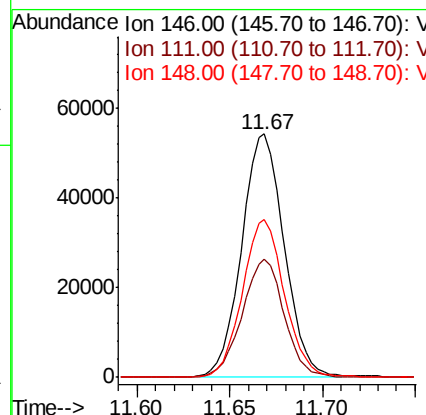
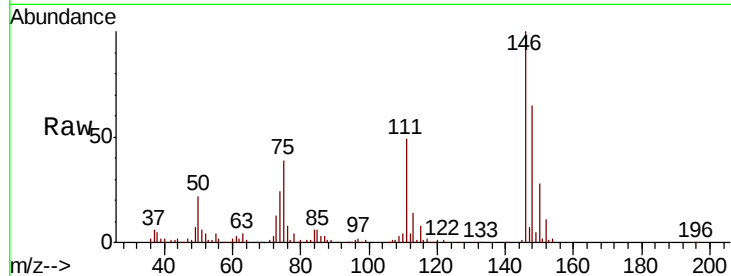




#65
 1,2-Dichlorobenzene
 Concen: 10.748 ug/L
 RT: 11.67 min Scan# 3290
 Delta R.T. 0.00 min
 Lab File: VV015268.D
 Acq: 30 Mar 2020 12:15

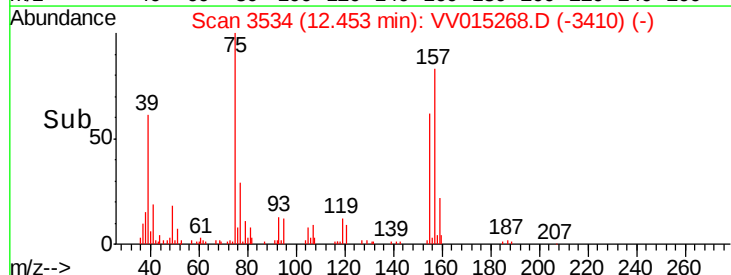
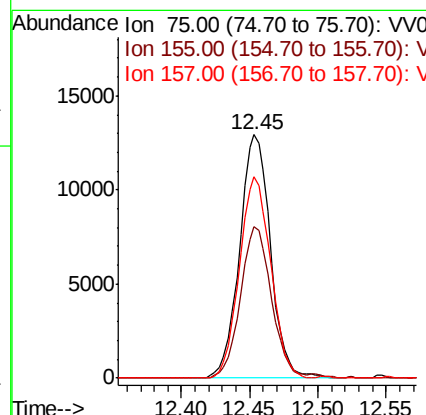
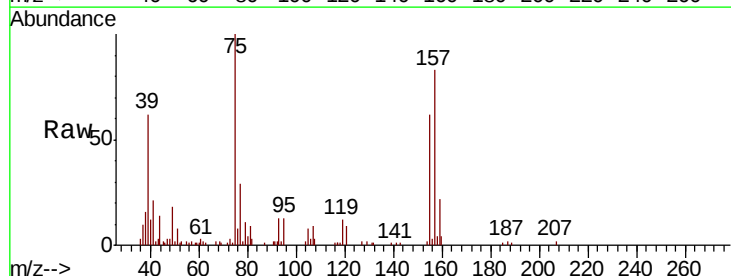
Instrument :
 MSVOA_V
 ClientSampleId :

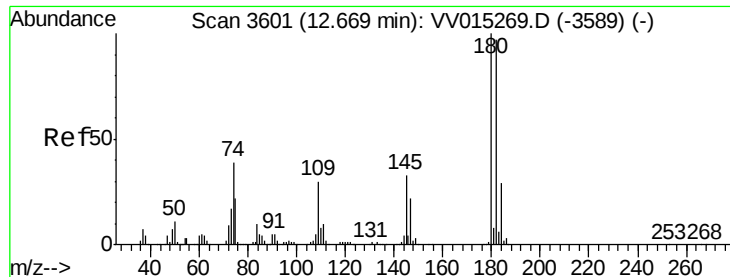
Tot Ion:146 Resp: 86595
 Ion Ratio Lower Upper
 146 100
 111 48.5 35.8 53.6
 148 64.9 49.1 73.7



#66
 1,2-Dibromo-3-chloropropane
 Concen: 11.436 ug/L
 RT: 12.45 min Scan# 3534
 Delta R.T. -0.00 min
 Lab File: VV015268.D
 Acq: 30 Mar 2020 12:15

Tgt Ion: 75 Resp: 20273
 Ion Ratio Lower Upper
 75 100
 155 62.1 58.2 87.4
 157 82.6 73.0 109.6

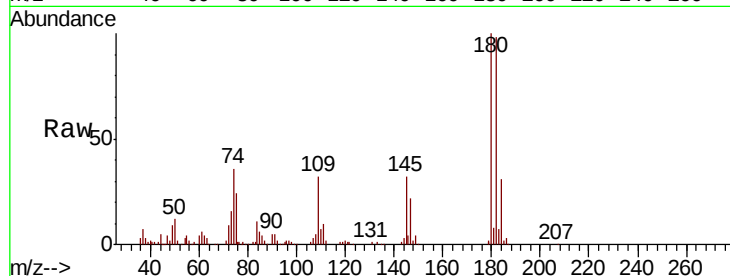




#67
 1,3,5-Trichlorobenzene
 Concen: 10.276 ug/L
 RT: 12.67 min Scan# 3602
 Delta R.T. 0.00 min
 Lab File: VV015268.D
 Acq: 30 Mar 2020 12:15

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	99.0	76.8	115.2
184	32.5	23.6	35.4
145	34.2	27.0	40.6



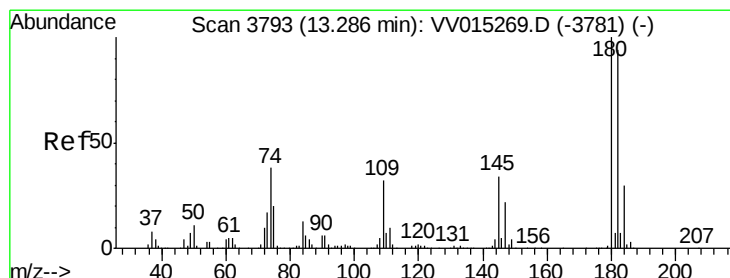
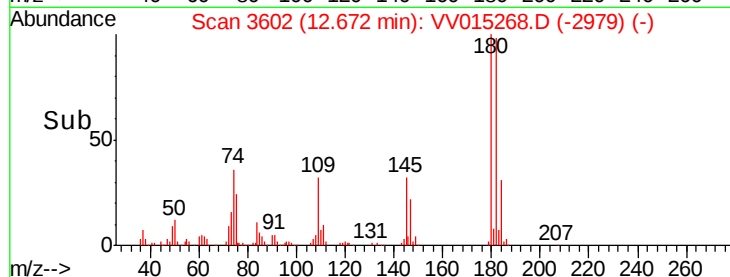
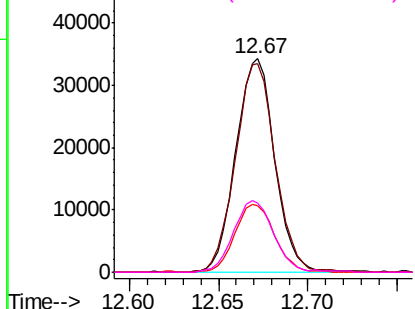
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

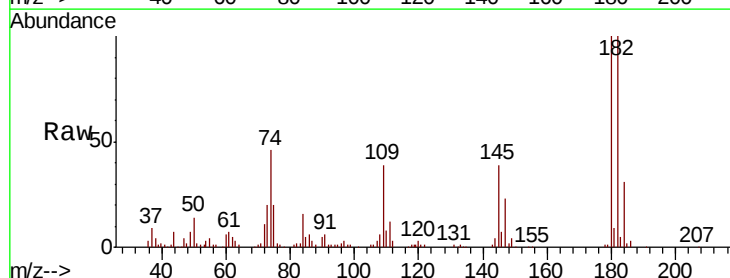
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 9.902 ug/L
 RT: 13.29 min Scan# 3793
 Delta R.T. -0.00 min
 Lab File: VV015268.D
 Acq: 30 Mar 2020 12:15

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.1	75.2	112.8
145	36.6	27.3	40.9

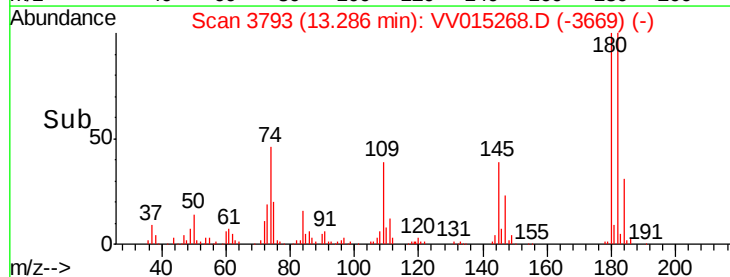
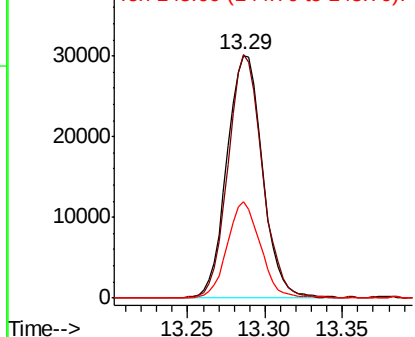


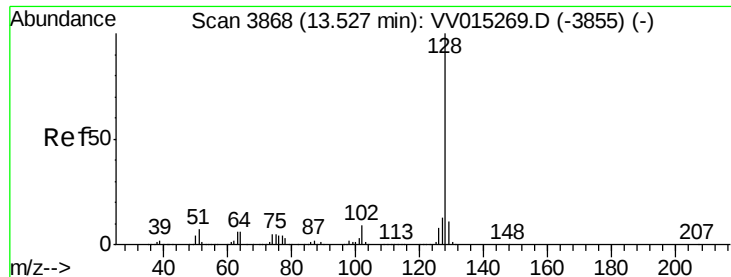
Abundance

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: 10.427 ug/L

RT: 13.53 min Scan# 3868

Delta R.T. -0.00 min

Lab File: VV015268.D

Acq: 30 Mar 2020 12:15

Instrument :

MSVOA_V

ClientSampleId :

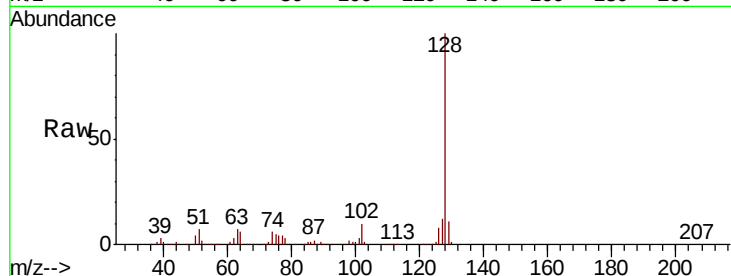
Tot Ion:128 Resp: 201258

Ion Ratio Lower Upper

128 100

127 12.6 10.6 15.8

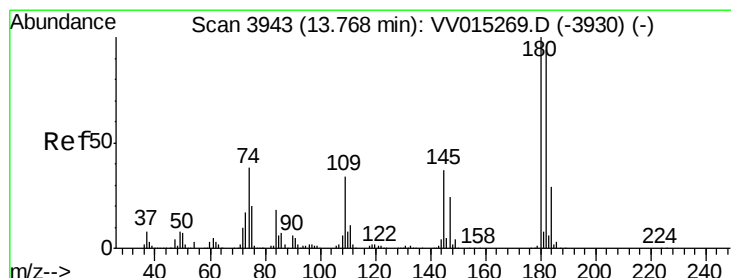
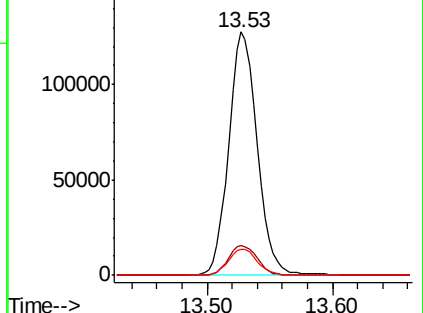
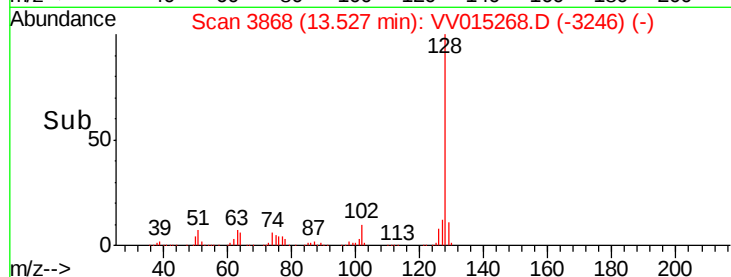
129 11.0 8.6 13.0



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#70

1,2,3-Trichlorobenzene

Concen: 10.152 ug/L

RT: 13.77 min Scan# 3944

Delta R.T. 0.00 min

Lab File: VV015268.D

Acq: 30 Mar 2020 12:15

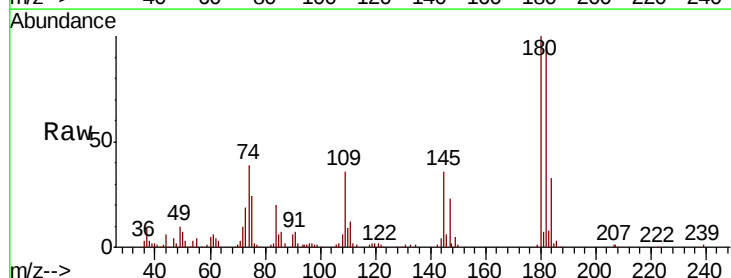
Tgt Ion:180 Resp: 49332

Ion Ratio Lower Upper

180 100

182 92.9 74.7 112.1

145 36.3 29.6 44.4



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

