

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV033020\
 Data File : VV015267.D
 Acq On : 30 Mar 2020 11:51
 Operator : SY/MD
 Sample : VSTD00564
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Mar 30 13:29:52 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	552881	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	524844	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	233069	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	21649	5.37	ug/L	0.00
7) Chloroethane-d5	1.58	69	20535	5.47	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.12	63	44945	5.17	ug/L	0.00
21) 2-Butanone-d5	3.98	46	24442	9.27	ug/L	0.04
24) Chloroform-d	4.38	84	38404	5.30	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.07	65	26804	5.66	ug/L	0.00
32) Benzene-d6	5.08	84	74710	5.45	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.10	67	23617	5.51	ug/L	0.00
41) Toluene-d8	7.34	98	70422	5.31	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.65	79	12355	5.30	ug/L	0.00
47) 2-Hexanone-d5	8.12	63	20325	10.11	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.24	84	33399	5.28	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.65	152	26239	5.66	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	18703	4.808	ug/L 97
3) Chloromethane	1.25	50	21747	4.923	ug/L 100
5) Vinyl chloride	1.32	62	22404	4.808	ug/L 100
6) Bromomethane	1.53	94	15430	4.950	ug/L 97
8) Chloroethane	1.60	64	18227	5.672	ug/L 99
9) Trichlorofluoromethane	1.77	101	35468	4.503	ug/L 95
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	20388	4.827	ug/L 98
12) 1,1-Dichloroethene	2.13	96	20549	5.025	ug/L 88
13) Acetone	2.21	43	8135	4.575	ug/L 79
14) Carbon disulfide	2.31	76	50841	5.109	ug/L 96
15) Methyl Acetate	2.47	43	15496	4.290	ug/L 97
16) Methylene chloride	2.53	84	18665	4.879	ug/L 95
17) trans-1,2-Dichloroethene	2.78	96	17480	5.101	ug/L 93
18) Methyl tert-butyl Ether	2.79	73	53219	4.562	ug/L 99
19) 1,1-Dichloroethane	3.22	63	29768	4.660	ug/L 99
20) cis-1,2-Dichloroethene	3.95	96	18187	4.722	ug/L # 89
25) Chloroform	4.41	83	32638	4.785	ug/L 92
27) 1,2-Dichloroethane	5.16	62	25700	4.737	ug/L 96
29) Cyclohexane	4.70	56	16768	3.014	ug/L # 53
30) 1,1,1-Trichloroethane	4.64	97	27698	4.654	ug/L 97
31) Carbon tetrachloride	4.86	117	23199	4.602	ug/L 100
33) Benzene	5.13	78	64176	4.619	ug/L 100
34) Trichloroethene	5.94	95	18214	4.887	ug/L 96
35) Methylcyclohexane	6.15	83	26924	4.605	ug/L 94
37) 1,2-Dichloropropane	6.20	63	16531	4.678	ug/L 100
38) Bromodichloromethane	6.53	83	23209	4.567	ug/L 98
39) cis-1,3-Dichloropropene	7.05	75	27821	4.661	ug/L 92
40) 4-Methyl-2-pentanone	7.26	43	47311	9.004	ug/L 98
42) Toluene	7.41	91	70482	4.519	ug/L 100
44) trans-1,3-Dichloropropene	7.68	75	25602	4.366	ug/L 89

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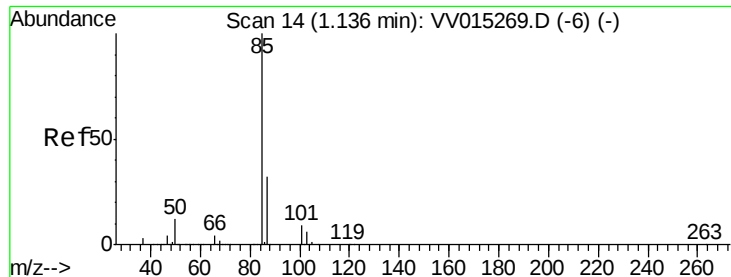
Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Mar 30 13:29:52 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM033020WMA.M
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

45) 1,1,2-Trichloroethane	7.86	97	15768	4.429	ug/L	94
46) Tetrachloroethene	8.00	164	10868	4.406	ug/L	93
48) 2-Hexanone	8.17	43	34706	8.609	ug/L #	96
49) Dibromochloromethane	8.27	129	16592	4.264	ug/L	96
50) 1,2-Dibromoethane	8.38	107	17529	4.531	ug/L	94
51) Chlorobenzene	8.90	112	48088	4.737	ug/L	100
52) Ethylbenzene	9.04	91	80614	4.583	ug/L	97
53) m,p-Xylene	9.16	106	28417	4.236	ug/L	100
54) o-xylene	9.57	106	29257	4.384	ug/L	96
55) Styrene	9.59	104	49271	4.326	ug/L	98
56) Isopropylbenzene	9.96	105	77452	4.409	ug/L	98
58) 1,1,2,2-Tetrachloroethane	10.27	83	26079	4.414	ug/L	98
59) 1,2,3-Trichloropropane	10.30	75	23308	4.767	ug/L	99
61) Bromoform	9.76	173	9345	4.020	ug/L #	96
62) 1,3-Dichlorobenzene	11.21	146	34159	4.806	ug/L	94
63) 1,4-Dichlorobenzene	11.30	146	34927	4.814	ug/L	98
65) 1,2-Dichlorobenzene	11.67	146	34259	4.776	ug/L	97
66) 1,2-Dibromo-3-chloropropan	12.45	75	7626	4.832	ug/L	86
67) 1,3,5-Trichlorobenzene	12.67	180	20500	4.519	ug/L	99
68) 1,2,4-trichlorobenzene	13.29	180	20546	4.766	ug/L	96
69) Naphthalene	13.53	128	81661	4.752	ug/L	97
70) 1,2,3-Trichlorobenzene	13.77	180	19727	4.560	ug/L	98

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



#2

Dichlorodifluoromethane

Concen: 4.808 ug/L

RT: 1.14 min Scan# 15

Delta R.T. 0.00 min

Lab File: VV015267.D

Acq: 30 Mar 2020 11:51

Instrument :

MSVOA_V

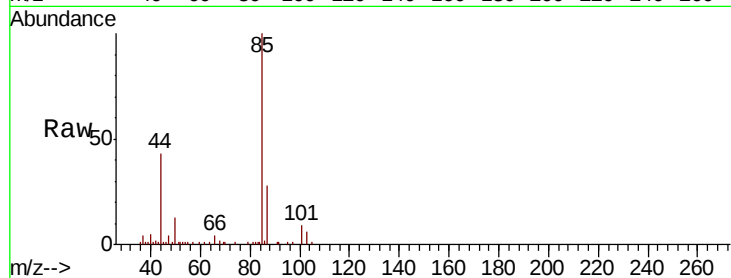
ClientSampleId :

Tot Ion: 85 Resp: 18703

Ion Ratio Lower Upper

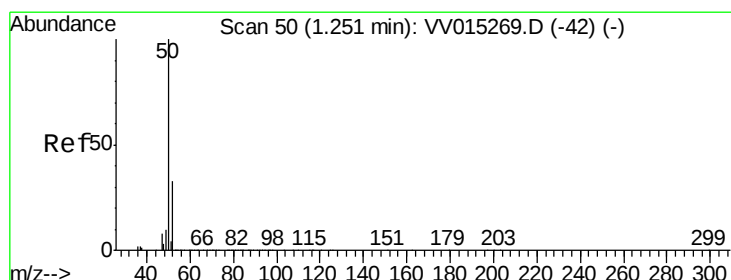
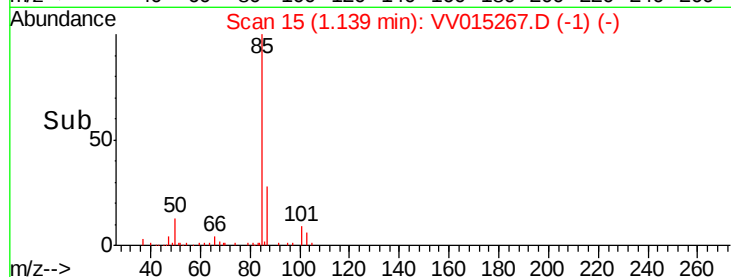
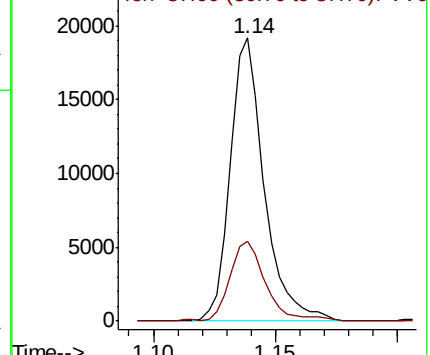
85 100

87 29.5 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: 4.923 ug/L

RT: 1.25 min Scan# 50

Delta R.T. -0.00 min

Lab File: VV015267.D

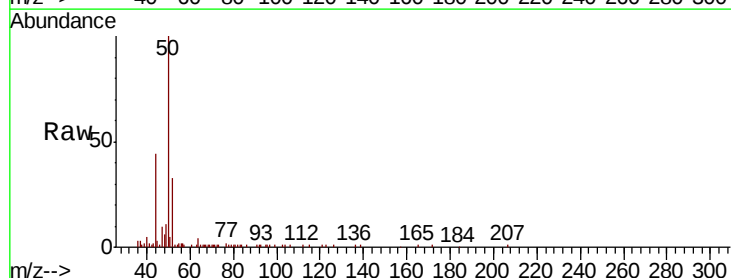
Acq: 30 Mar 2020 11:51

Tgt Ion: 50 Resp: 21747

Ion Ratio Lower Upper

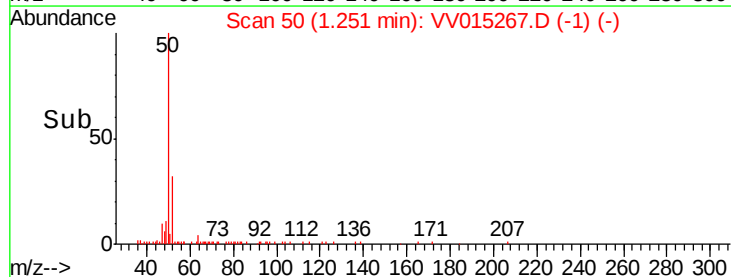
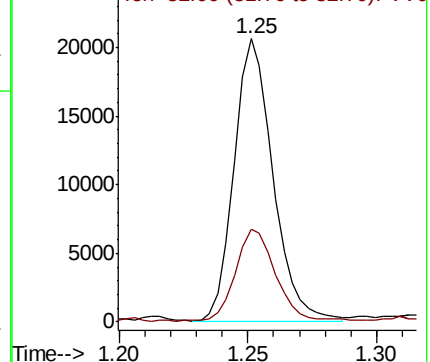
50 100

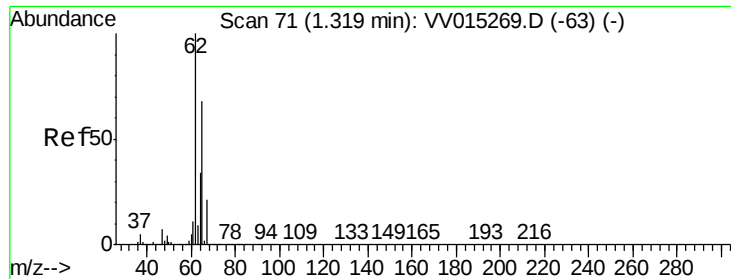
52 32.6 22.7 42.3



Abundance Ion 50.00 (49.70 to 50.70): VV0

Ion 52.00 (51.70 to 52.70): VV0





#5

Vinyl chloride

Concen: 4.808 ug/L

RT: 1.32 min Scan# 71

Delta R.T. -0.00 min

Lab File: VV015267.D

Acq: 30 Mar 2020 11:51

Instrument :

MSVOA_V

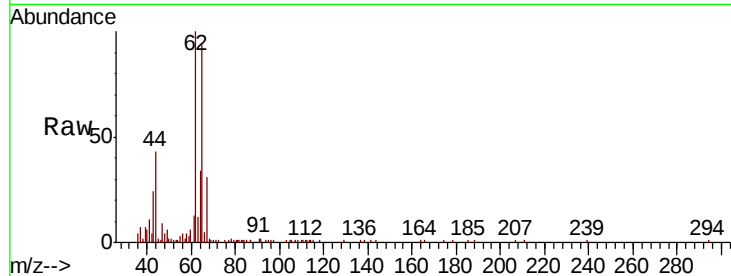
ClientSampleId :

Tot Ion: 62 Resp: 22404

Ion Ratio Lower Upper

62 100

64 34.2 23.9 44.3



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.00 (63.70 to 64.70): VV0

1.32

20000

15000

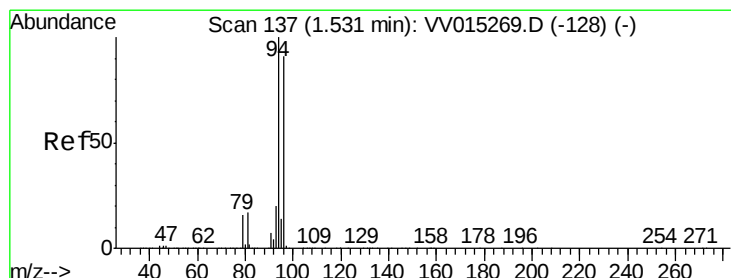
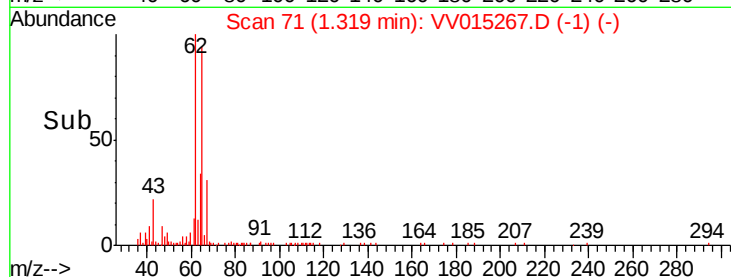
10000

5000

0

1.30 1.35

Time-->



#6

Bromomethane

Concen: 4.950 ug/L

RT: 1.53 min Scan# 138

Delta R.T. 0.00 min

Lab File: VV015267.D

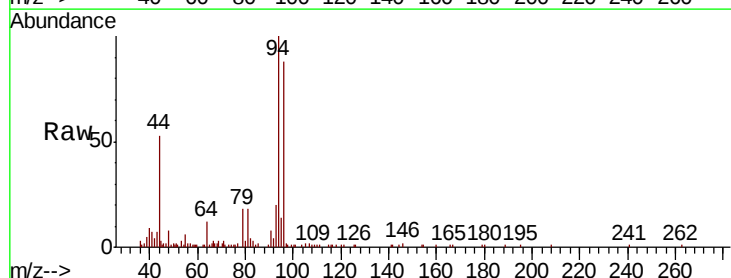
Acq: 30 Mar 2020 11:51

Tgt Ion: 94 Resp: 15430

Ion Ratio Lower Upper

94 100

96 88.1 63.7 118.3



Abundance Ion 94.00 (93.70 to 94.70): VV0

Ion 96.00 (95.70 to 96.70): VV0

15000

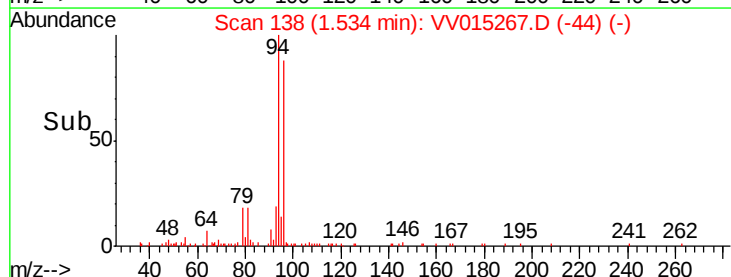
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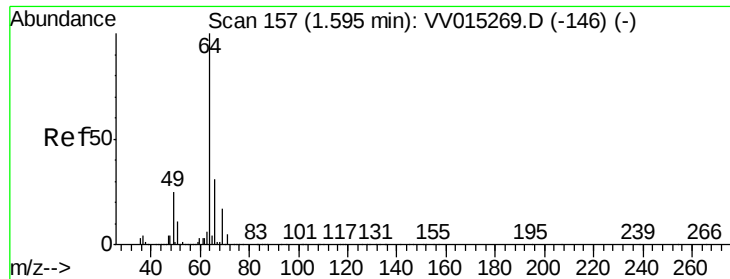
5000

0

1.50 1.55 1.60

Time-->





#8

Chloroethane

Concen: 5.672 ug/L

RT: 1.60 min Scan# 158

Delta R.T. 0.00 min

Lab File: VV015267.D

Acq: 30 Mar 2020 11:51

Instrument :

MSVOA_V

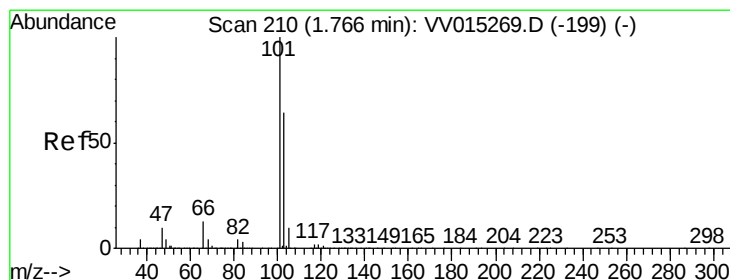
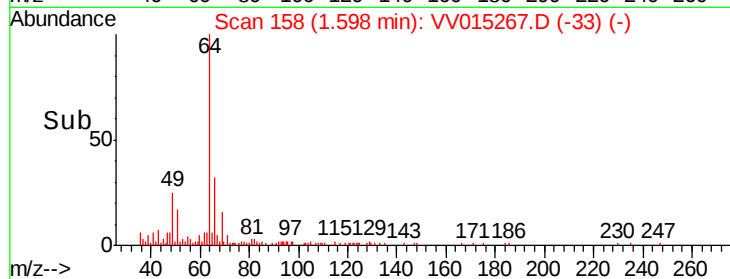
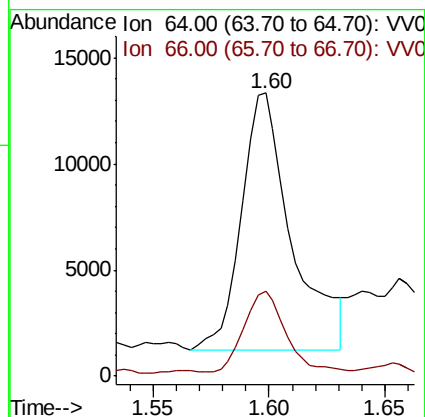
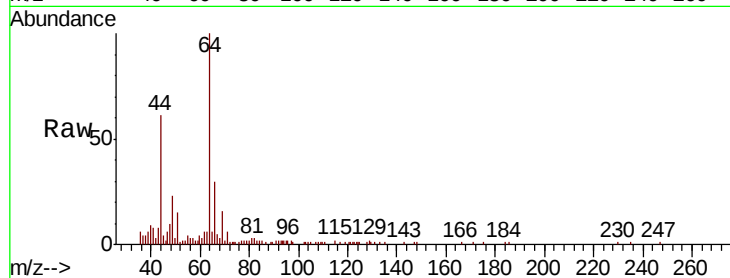
ClientSampleId :

Tot Ion: 64 Resp: 18227

Ion Ratio Lower Upper

64 100

66 30.2 21.5 39.9



#9

Trichlorofluoromethane

Concen: 4.503 ug/L

RT: 1.77 min Scan# 210

Delta R.T. -0.00 min

Lab File: VV015267.D

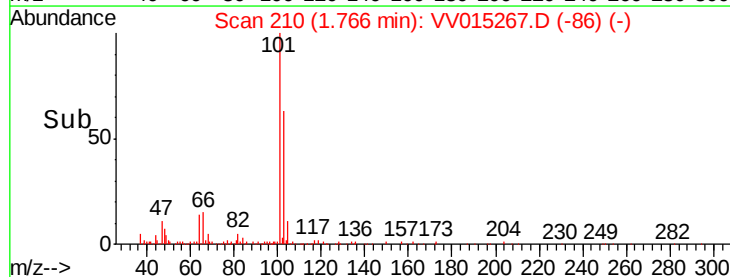
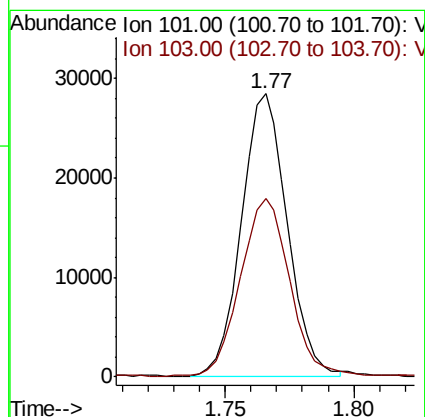
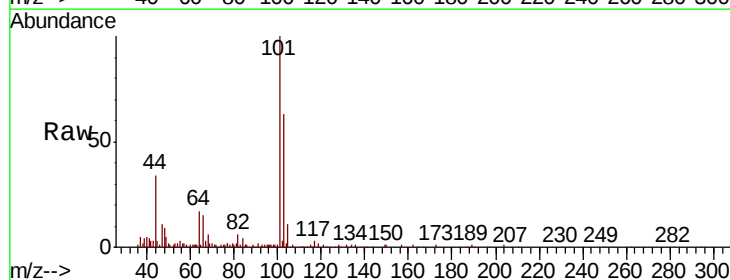
Acq: 30 Mar 2020 11:51

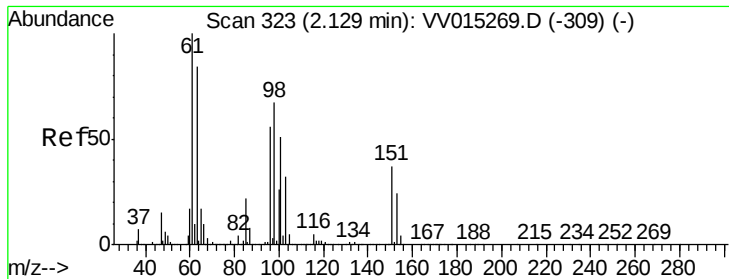
Tgt Ion: 101 Resp: 35468

Ion Ratio Lower Upper

101 100

103 68.2 51.3 76.9





#10

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

Concen: 4.827 ug/L

RT: 2.13 min Scan# 323

Delta R.T. -0.00 min

Lab File: VV015267.D

Acq: 30 Mar 2020 11:51

Instrument :

MSVOA_V

ClientSampleId :

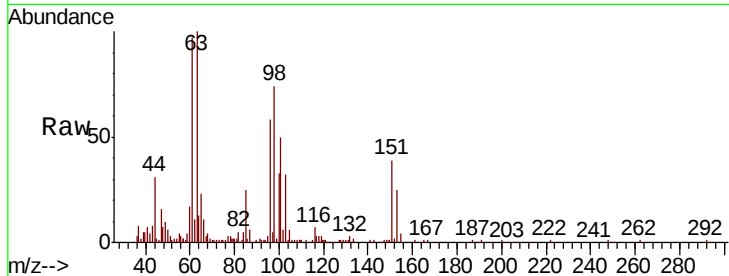
Tot Ion:101 Resp: 20388

Ion Ratio Lower Upper

101 100

85 45.8 35.0 52.6

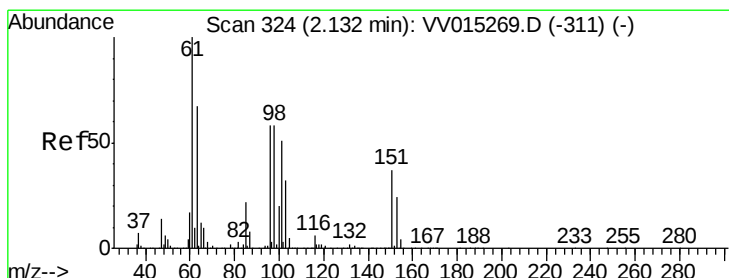
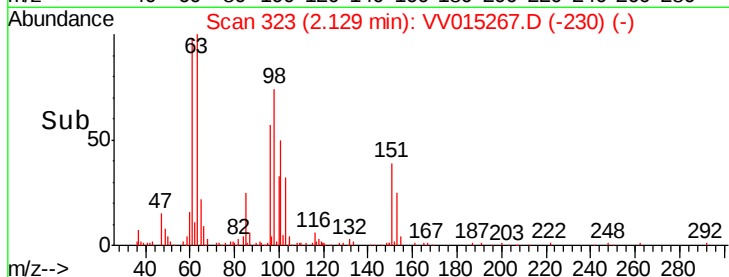
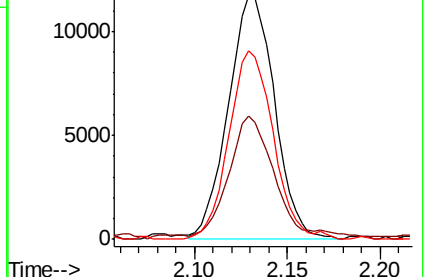
151 73.5 58.2 87.4



Abundance Ion 101.00 (100.70 to 101.70): VV015269.D (-309) (-)

Ion 85.00 (84.70 to 85.70): VV015269.D (-309) (-)

Ion 151.00 (150.70 to 151.70): VV015269.D (-309) (-)



#12

1,1-Dichloroethene

Concen: 5.025 ug/L

RT: 2.13 min Scan# 324

Delta R.T. -0.00 min

Lab File: VV015267.D

Acq: 30 Mar 2020 11:51

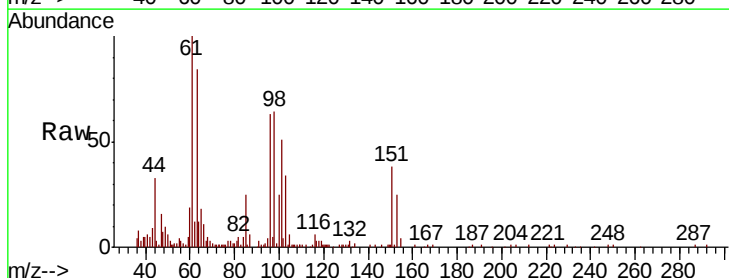
Tgt Ion: 96 Resp: 20549

Ion Ratio Lower Upper

96 100

61 159.1 120.9 224.5

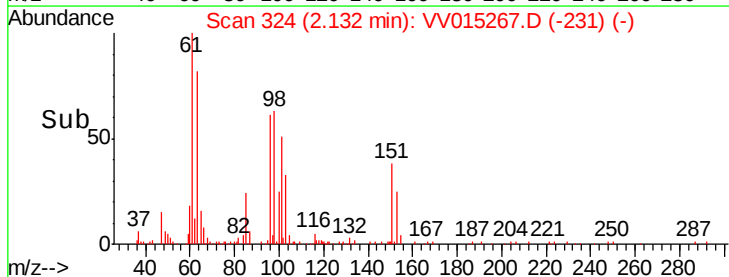
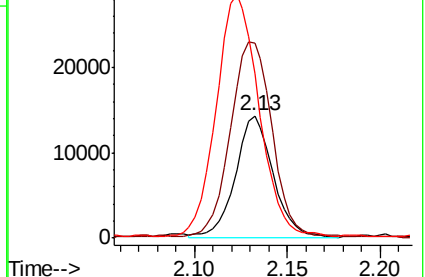
63 133.6 81.2 150.8

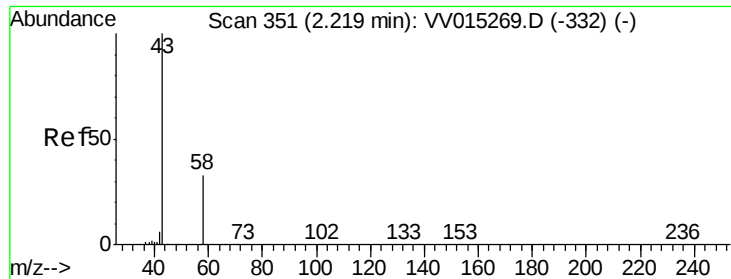


Abundance Ion 96.00 (95.70 to 96.70): VV015269.D (-311) (-)

Ion 61.00 (60.70 to 61.70): VV015269.D (-311) (-)

Ion 63.00 (62.70 to 63.70): VV015269.D (-311) (-)





#13

Acetone

Concen: 4.575 ug/L

RT: 2.21 min Scan# 348

Delta R.T. -0.01 min

Lab File: VV015267.D

Acq: 30 Mar 2020 11:51

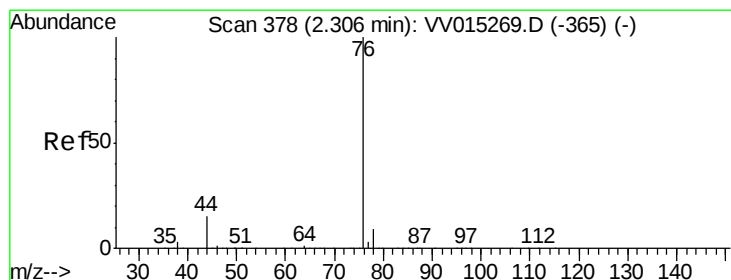
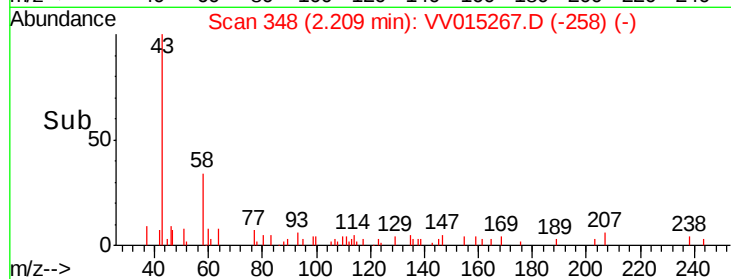
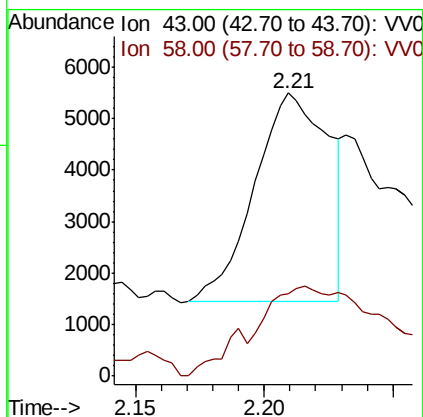
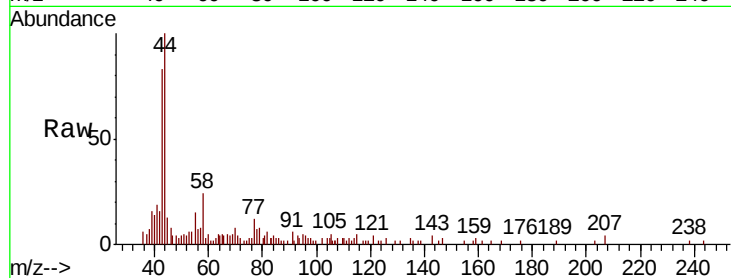
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 43 Resp: 8135

Ion Ratio Lower Upper

43 100

58 20.4 0.0 63.6



#14

Carbon disulfide

Concen: 5.109 ug/L

RT: 2.31 min Scan# 379

Delta R.T. 0.00 min

Lab File: VV015267.D

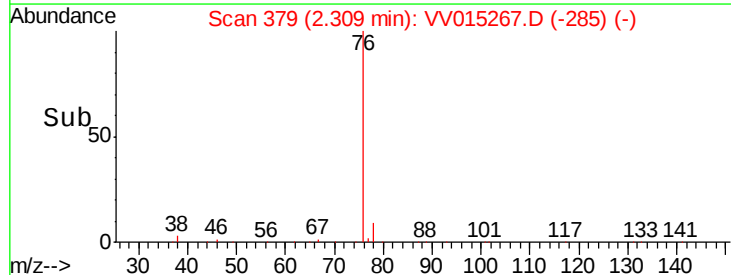
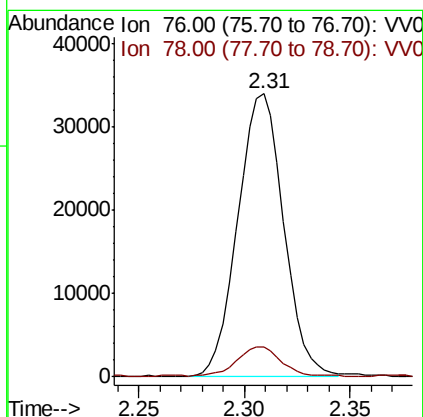
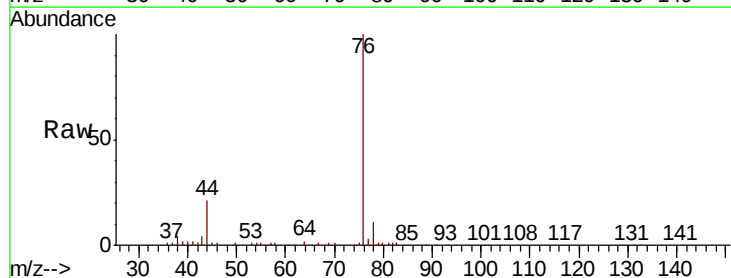
Acq: 30 Mar 2020 11:51

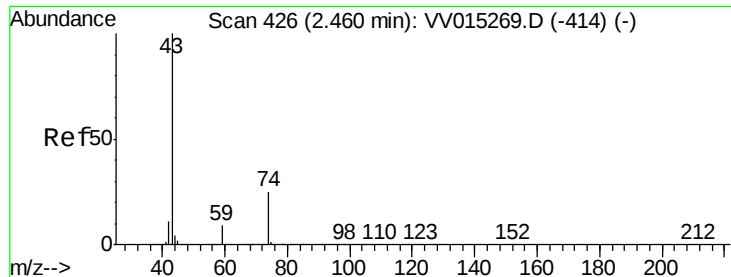
Tgt Ion: 76 Resp: 50841

Ion Ratio Lower Upper

76 100

78 10.6 7.4 11.0





#15

Methvl Acetate

Concen: 4.290 ug/L

RT: 2.47 min Scan# 428

Delta R.T. 0.01 min

Lab File: VV015267.D

Acq: 30 Mar 2020 11:51

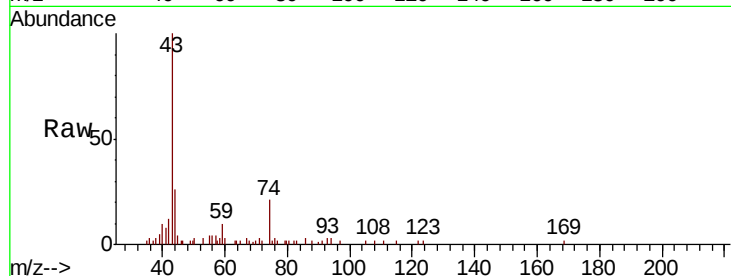
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 43 Resp: 15496

Ion Ratio Lower Upper

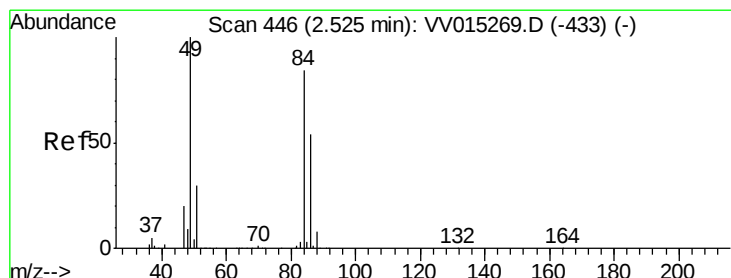
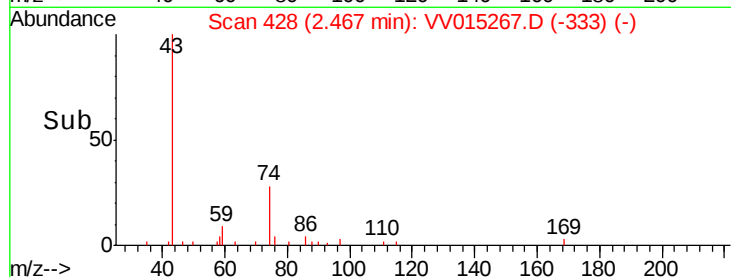
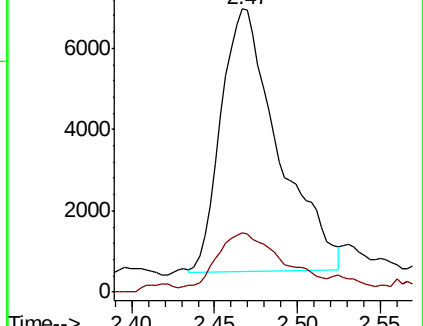
43 100

74 24.0 20.3 30.5



Abundance Ion 43.00 (42.70 to 43.70): VV015269.D (-414) (-)

Ion 74.00 (73.70 to 74.70): VV015269.D (-414) (-)



#16

Methylene chloride

Concen: 4.879 ug/L

RT: 2.53 min Scan# 447

Delta R.T. 0.00 min

Lab File: VV015267.D

Acq: 30 Mar 2020 11:51

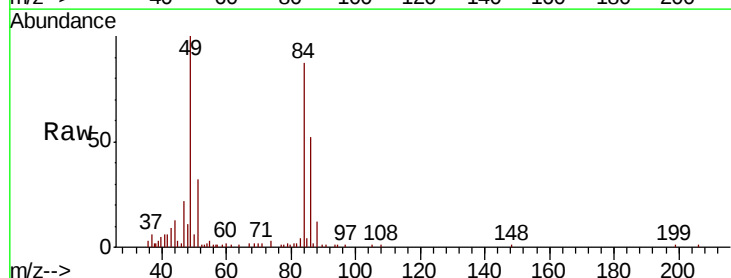
Tgt Ion: 84 Resp: 18665

Ion Ratio Lower Upper

84 100

86 59.6 45.5 84.5

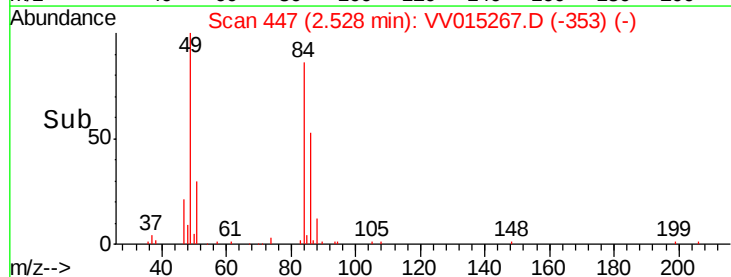
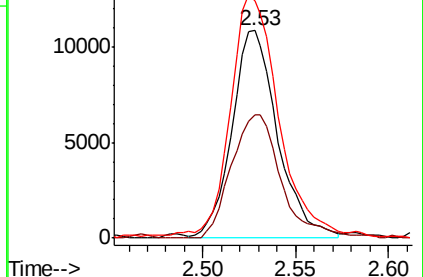
49 114.4 83.7 155.4

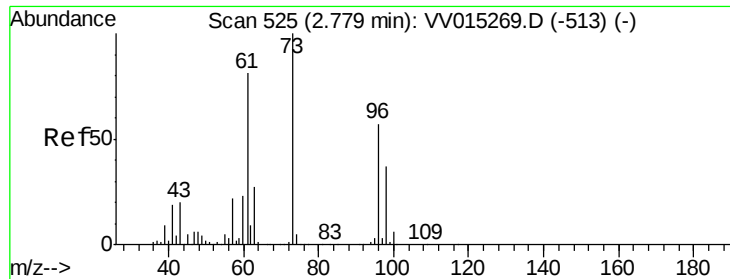


Abundance Ion 84.00 (83.70 to 84.70): VV015269.D (-433) (-)

Ion 86.00 (85.70 to 86.70): VV015269.D (-433) (-)

Ion 49.00 (48.70 to 49.70): VV015269.D (-433) (-)





#17

trans-1,2-Dichloroethene

Concen: 5.101 ug/L

RT: 2.78 min Scan# 526

Delta R.T. 0.00 min

Lab File: VV015267.D

Acq: 30 Mar 2020 11:51

Instrument :
MSVOA_V
ClientSampled :

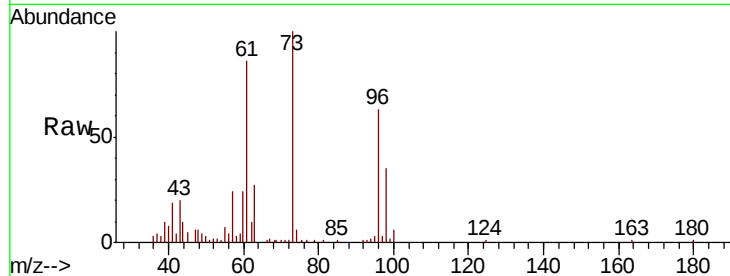
Tot Ion: 96 Resp: 17480

Ion Ratio Lower Upper

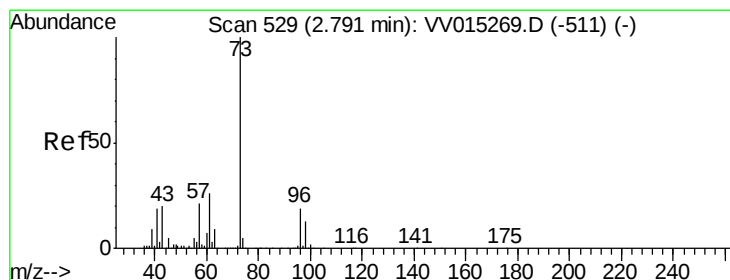
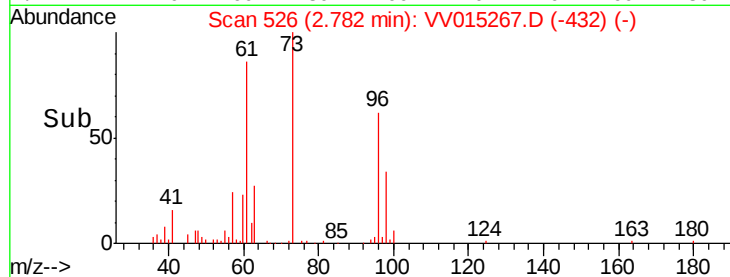
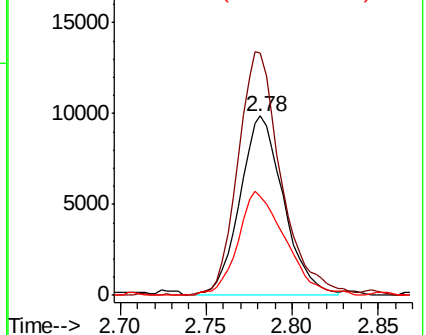
96 100

61 135.3 98.5 182.9

98 55.2 45.5 84.5



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: 4.562 ug/L

RT: 2.79 min Scan# 530

Delta R.T. 0.00 min

Lab File: VV015267.D

Acq: 30 Mar 2020 11:51

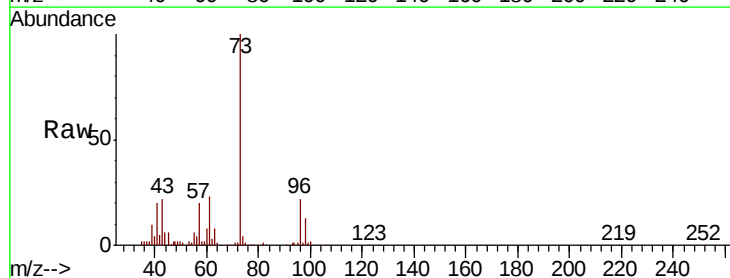
Tgt Ion: 73 Resp: 53219

Ion Ratio Lower Upper

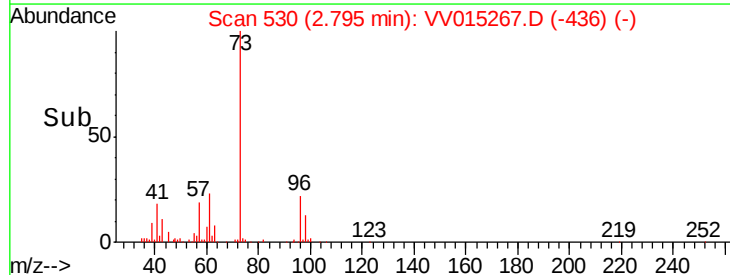
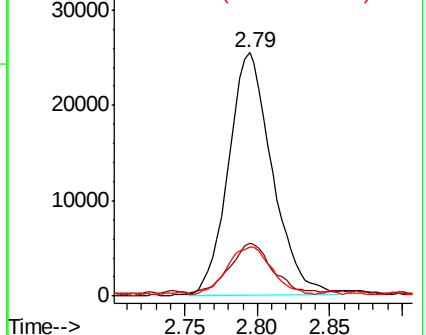
73 100

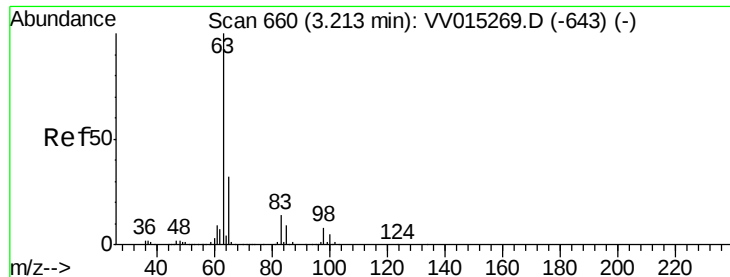
43 19.9 15.7 23.5

57 20.5 16.6 25.0



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

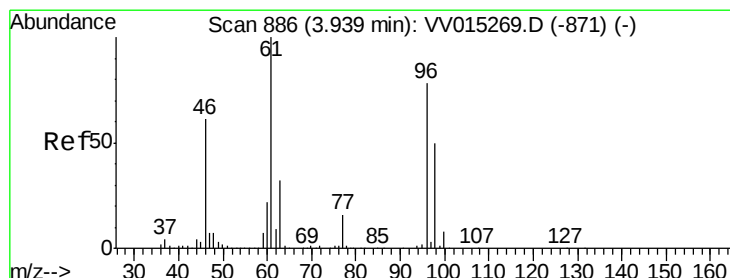
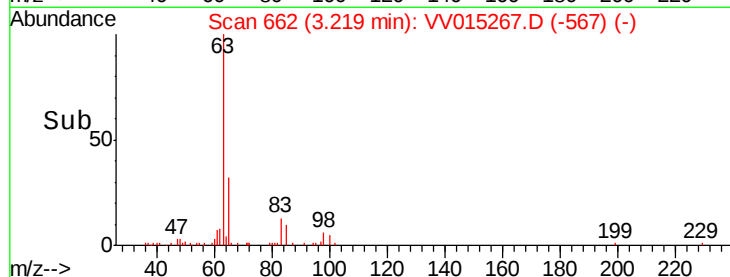
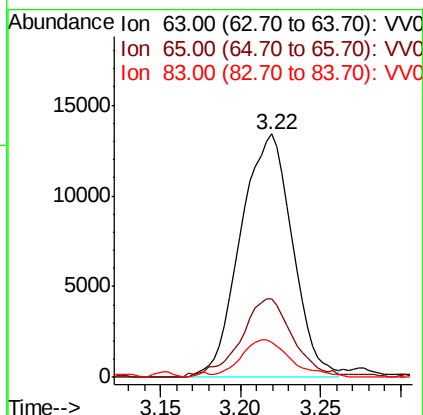
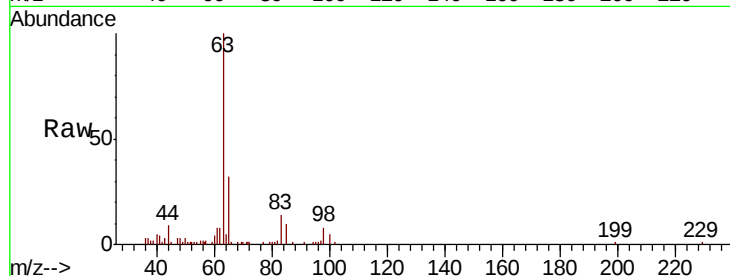




#19
 1,1-Dichloroethane
 Concen: 4.660 ug/L
 RT: 3.22 min Scan# 662
 Delta R.T. 0.01 min
 Lab File: VV015267.D
 Acq: 30 Mar 2020 11:51

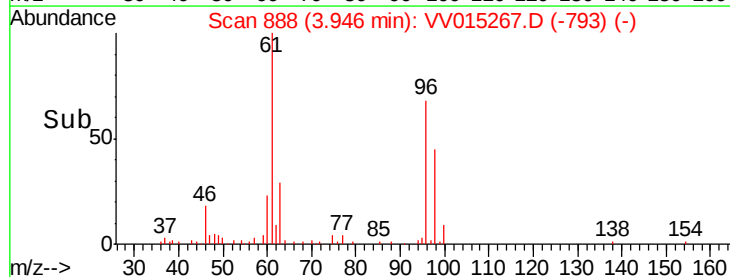
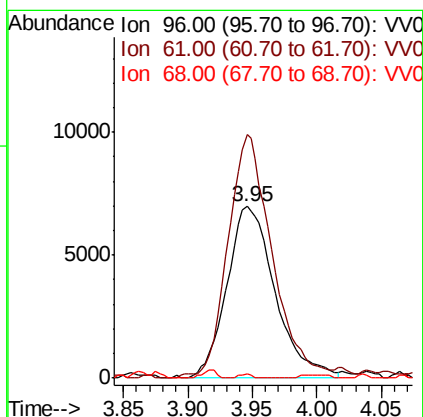
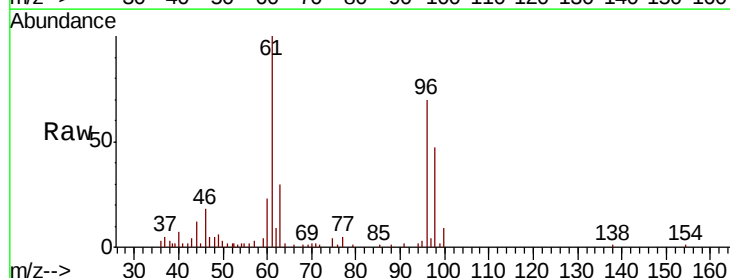
Instrument :
 MSVOA_V
 ClientSampleId :

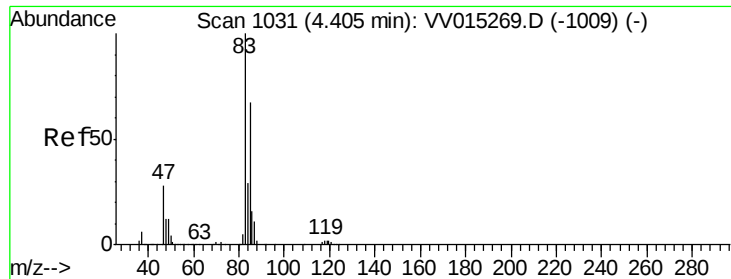
Tot Ion	Ratio	Lower	Upper
63	100		
65	32.3	22.2	41.2
83	14.4	9.7	18.1



#20
 cis-1,2-Dichloroethene
 Concen: 4.722 ug/L
 RT: 3.95 min Scan# 888
 Delta R.T. 0.01 min
 Lab File: VV015267.D
 Acq: 30 Mar 2020 11:51

Tgt Ion	Ratio	Lower	Upper
96	100		
61	141.9	90.2	167.6
68	2.1	0.1	0.1#





#25

Chloroform

Concen: 4.785 ug/L

RT: 4.41 min Scan# 1032

Delta R.T. 0.00 min

Lab File: VV015267.D

Acq: 30 Mar 2020 11:51

Instrument :

MSVOA_V

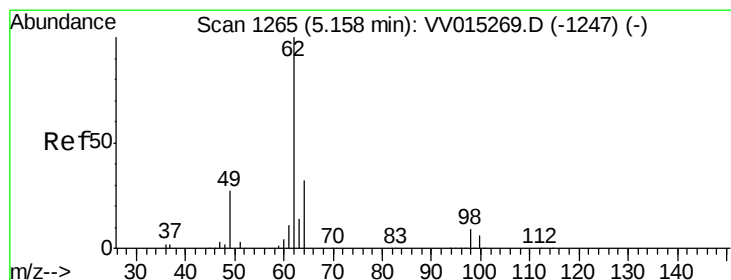
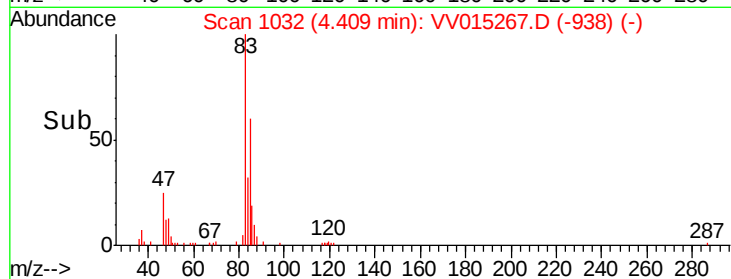
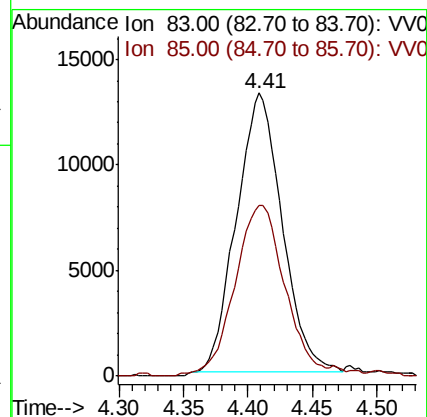
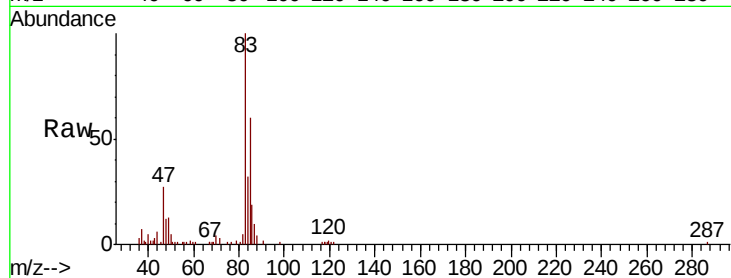
ClientSampleId :

Tot Ion: 83 Resp: 32638

Ion Ratio Lower Upper

83 100

85 60.2 46.6 86.6



#27

1,2-Dichloroethane

Concen: 4.737 ug/L

RT: 5.16 min Scan# 1267

Delta R.T. 0.01 min

Lab File: VV015267.D

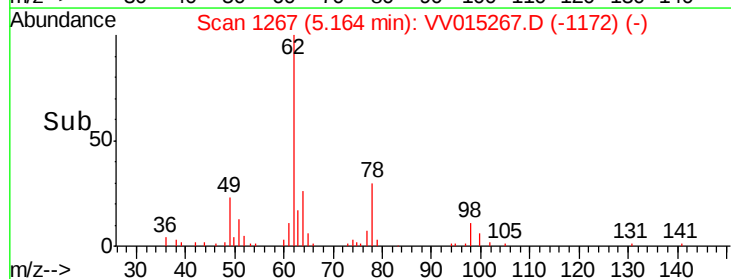
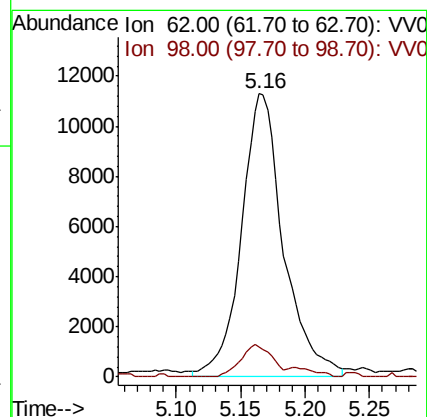
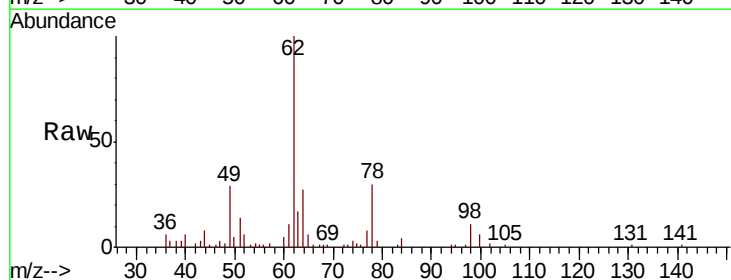
Acq: 30 Mar 2020 11:51

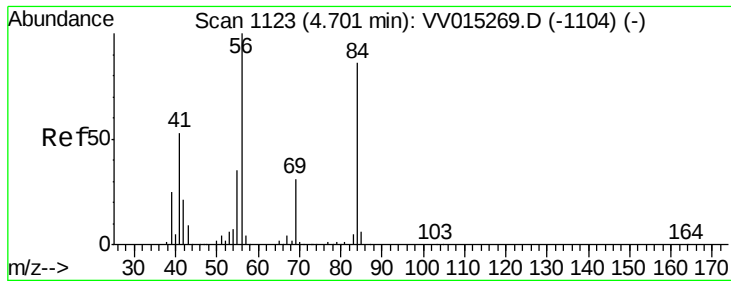
Tgt Ion: 62 Resp: 25700

Ion Ratio Lower Upper

62 100

98 10.7 7.4 11.0





#29

Cyclohexane

Concen: 3.014 ug/L

RT: 4.70 min Scan# 1122

Delta R.T. -0.00 min

Lab File: VV015267.D

Acq: 30 Mar 2020 11:51

Instrument :
MSVOA_V
ClientSampled :

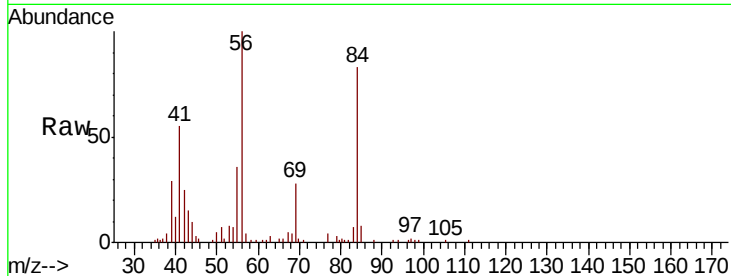
Tot Ion: 56 Resp: 16768

Ion Ratio Lower Upper

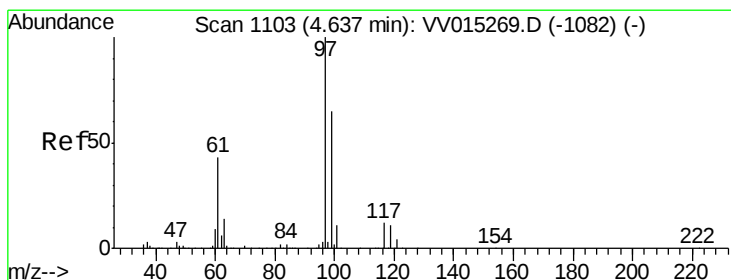
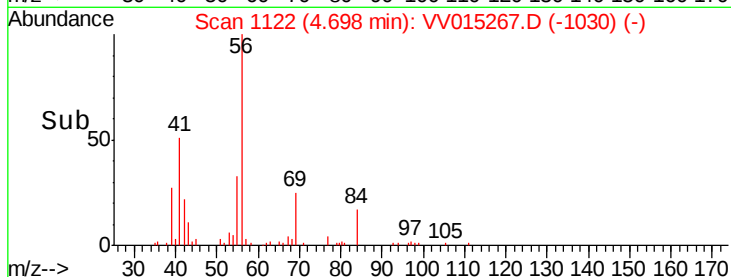
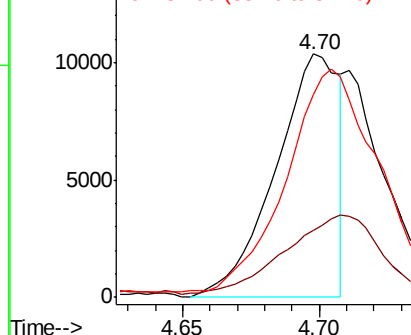
56 100

69 49.9 25.3 37.9#

84 140.0 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: 4.654 ug/L

RT: 4.64 min Scan# 1104

Delta R.T. 0.00 min

Lab File: VV015267.D

Acq: 30 Mar 2020 11:51

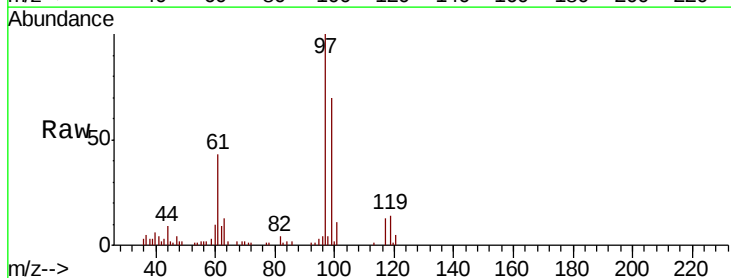
Tgt Ion: 97 Resp: 27698

Ion Ratio Lower Upper

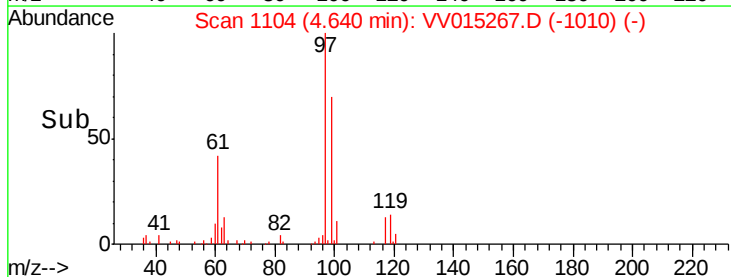
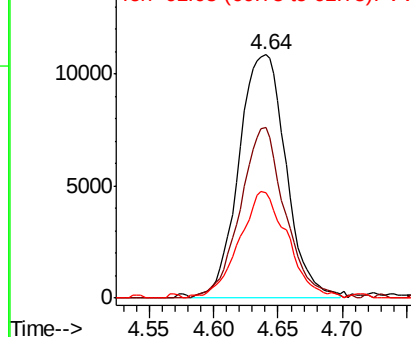
97 100

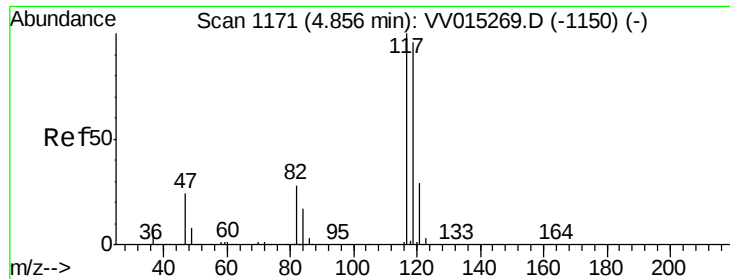
99 66.6 50.9 76.3

61 44.4 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: 4.602 ug/L

RT: 4.86 min Scan# 1171

Delta R.T. -0.00 min

Lab File: VV015267.D

Acq: 30 Mar 2020 11:51

Instrument :

MSVOA_V

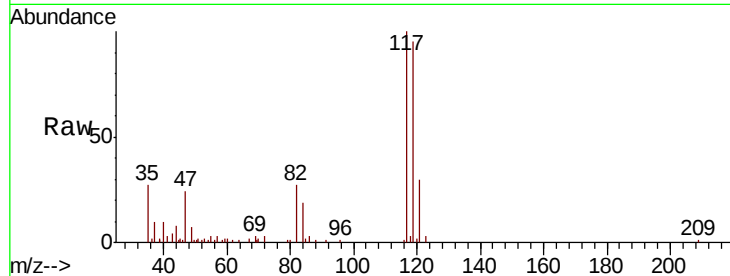
ClientSampled :

Tot Ion:117 Resp: 23199

Ion Ratio Lower Upper

117 100

119 94.5 75.8 113.8



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

10000

8000

6000

4000

2000

0

4.75

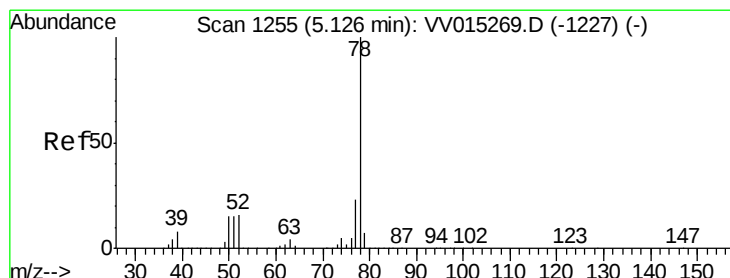
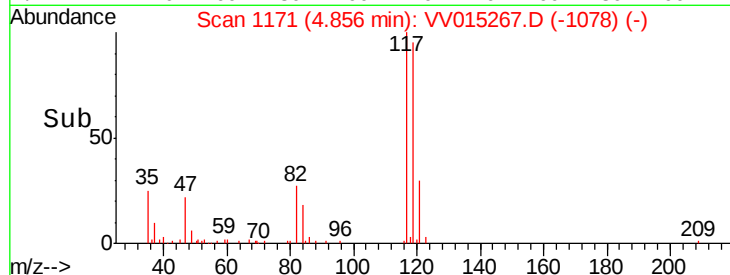
4.80

4.85

4.90

4.95

Time-->



#33

Benzene

Concen: 4.619 ug/L

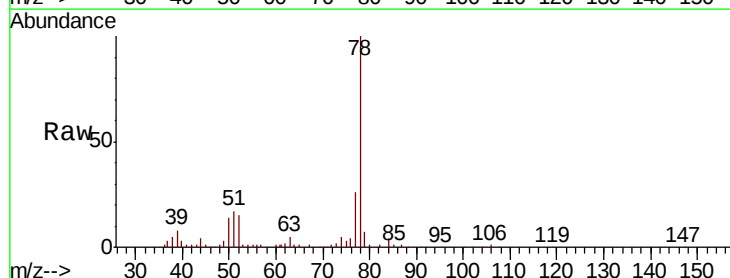
RT: 5.13 min Scan# 1256

Delta R.T. 0.00 min

Lab File: VV015267.D

Acq: 30 Mar 2020 11:51

Tgt Ion: 78 Resp: 64176



Abundance Ion 78.00 (77.70 to 78.70): VV0

30000

20000

10000

0

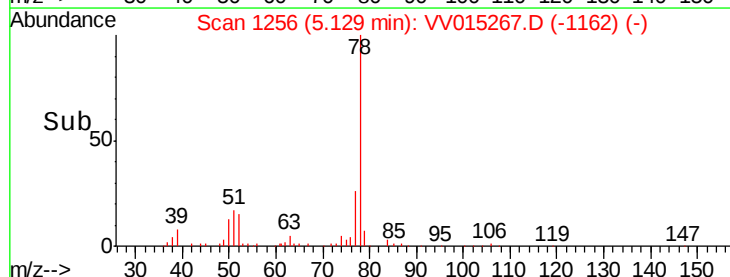
5.05

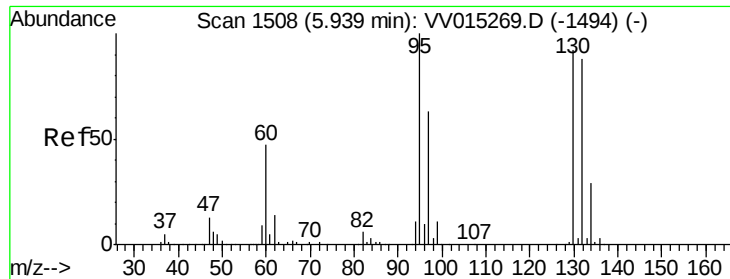
5.10

5.15

5.20

Time-->





#34

Trichloroethene

Concen: 4.887 ug/L

RT: 5.94 min Scan# 1509

Delta R.T. 0.00 min

Lab File: VV015267.D

Acq: 30 Mar 2020 11:51

Instrument :

MSVOA_V

ClientSampleId :

Tot Ion: 95 Resp: 18214

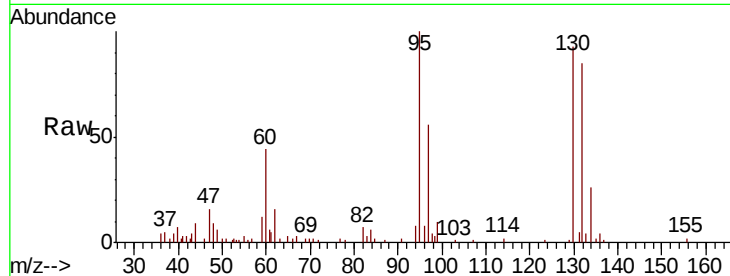
Ion Ratio Lower Upper

95 100

97 56.1 44.0 81.6

132 85.2 61.8 114.8

130 92.7 64.5 119.9

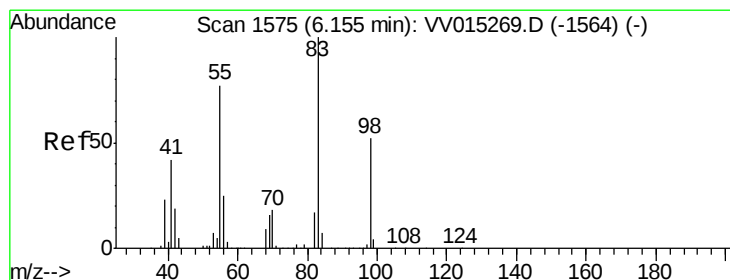
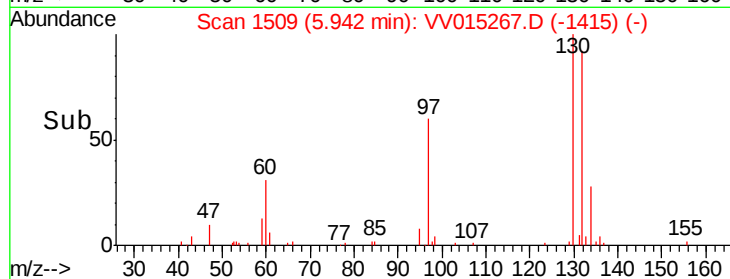
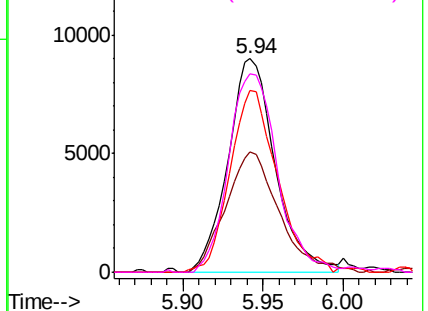


Abundance Ion 95.00 (94.70 to 95.70): VV0

Ion 97.00 (96.70 to 97.70): VV0

Ion 132.00 (131.70 to 132.70): VV0

Ion 130.00 (129.70 to 130.70): VV0



#35

Methylcyclohexane

Concen: 4.605 ug/L

RT: 6.15 min Scan# 1575

Delta R.T. -0.00 min

Lab File: VV015267.D

Acq: 30 Mar 2020 11:51

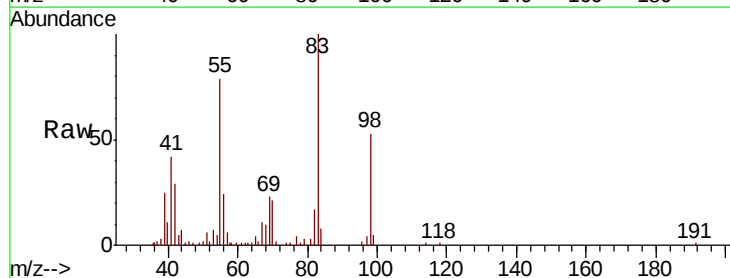
Tgt Ion: 83 Resp: 26924

Ion Ratio Lower Upper

83 100

55 78.6 59.4 89.2

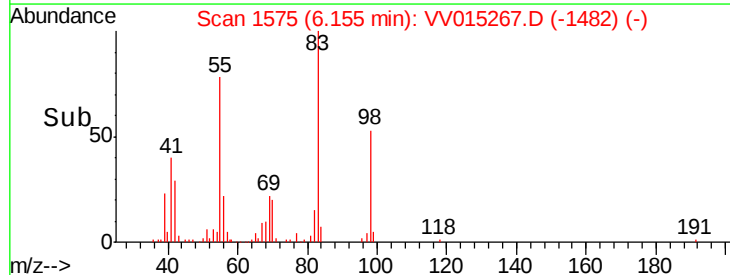
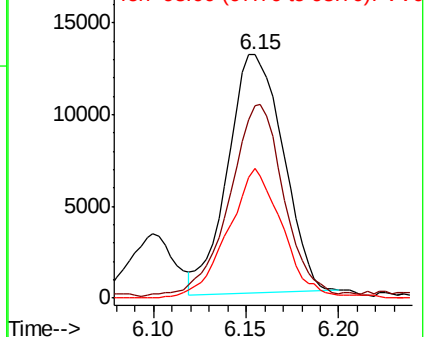
98 53.3 38.6 58.0

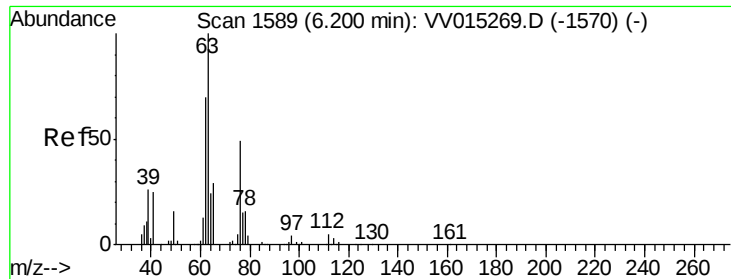


Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 55.00 (54.70 to 55.70): VV0

Ion 98.00 (97.70 to 98.70): VV0





#37

1,2-Dichloropropane

Concen: 4.678 ug/L

RT: 6.20 min Scan# 1589

Delta R.T. -0.00 min

Lab File: VV015267.D

Acq: 30 Mar 2020 11:51

Instrument :

MSVOA_V

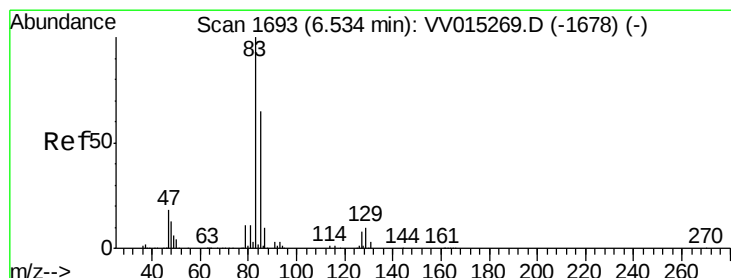
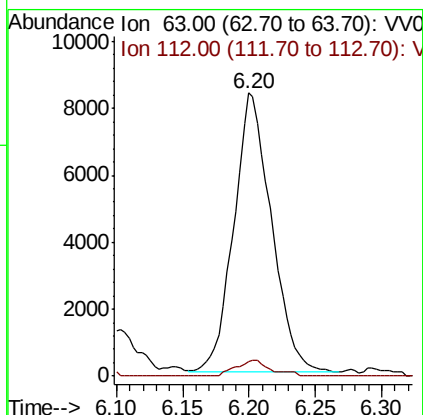
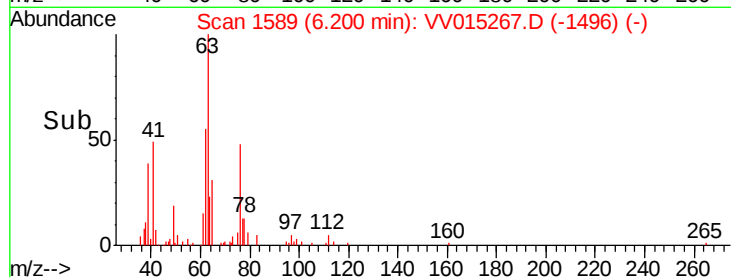
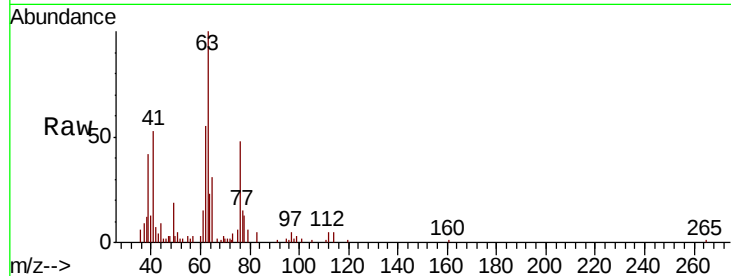
ClientSampleId :

Tot Ion: 63 Resp: 16531

Ion Ratio Lower Upper

63 100

112 4.7 3.7 5.5



#38

Bromodichloromethane

Concen: 4.567 ug/L

RT: 6.53 min Scan# 1693

Delta R.T. -0.00 min

Lab File: VV015267.D

Acq: 30 Mar 2020 11:51

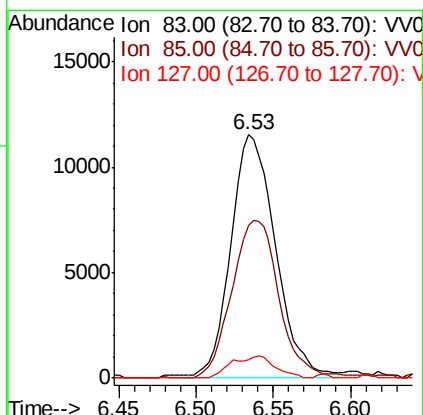
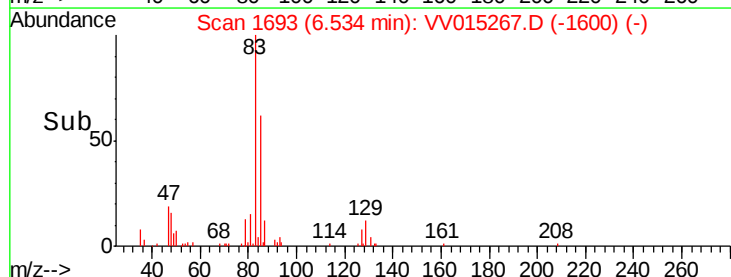
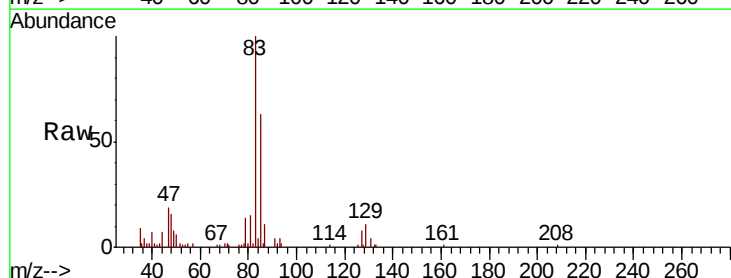
Tgt Ion: 83 Resp: 23209

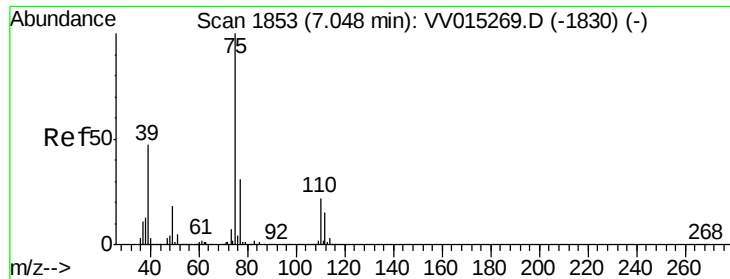
Ion Ratio Lower Upper

83 100

85 62.5 45.1 83.9

127 7.8 6.3 9.5

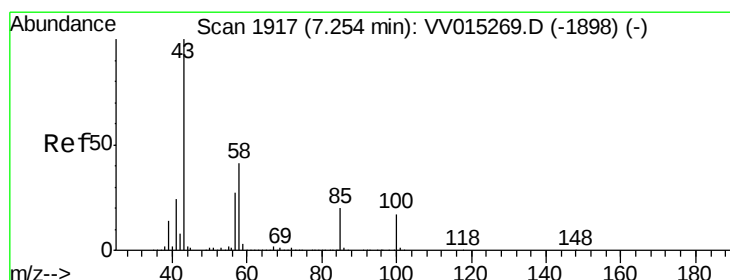
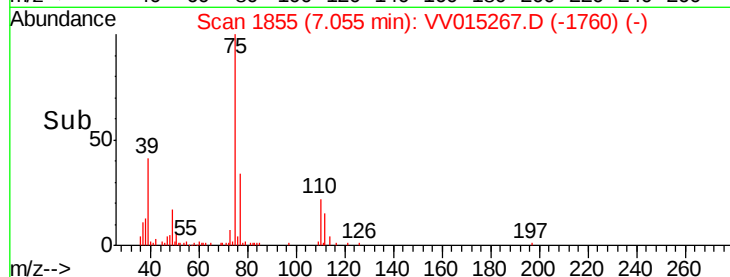
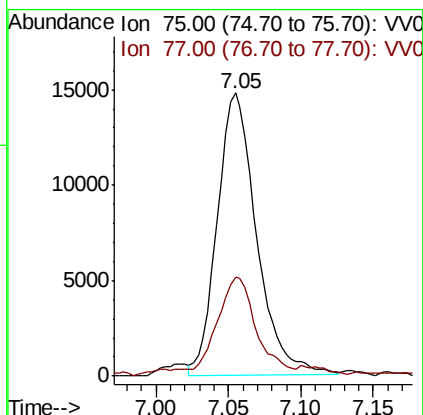
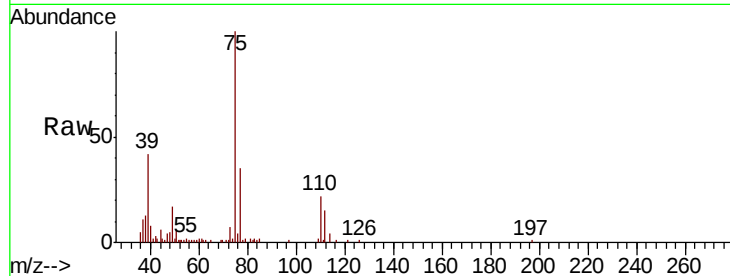




#39
 cis-1,3-Dichloropropene
 Concen: 4.661 ug/L
 RT: 7.05 min Scan# 1855
 Delta R.T. 0.01 min
 Lab File: VV015267.D
 Acq: 30 Mar 2020 11:51

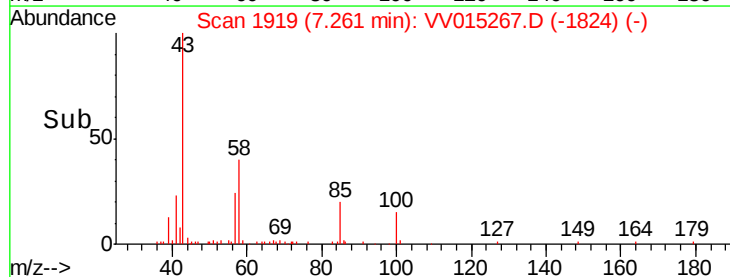
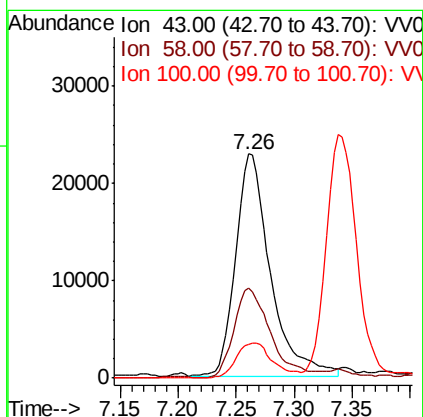
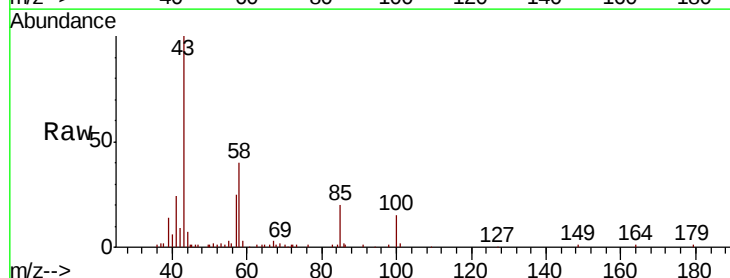
Instrument :
 MSVOA_V
 ClientSampleId :

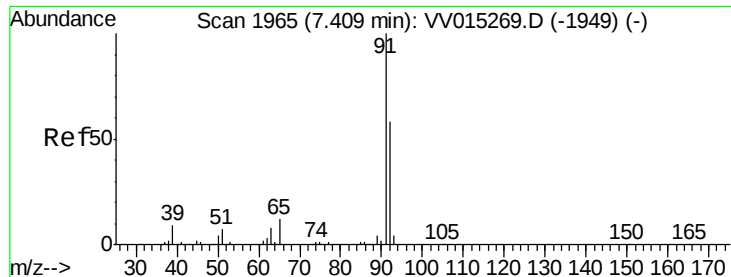
Tot Ion: 75 Resp: 27821
 Ion Ratio Lower Upper
 75 100
 77 35.2 21.6 40.0



#40
 4-Methyl-2-pentanone
 Concen: 9.004 ug/L
 RT: 7.26 min Scan# 1919
 Delta R.T. 0.01 min
 Lab File: VV015267.D
 Acq: 30 Mar 2020 11:51

Tgt Ion: 43 Resp: 47311
 Ion Ratio Lower Upper
 43 100
 58 42.4 32.9 49.3
 100 16.0 13.9 20.9





#42

Toluene

Concen: 4.519 ug/L

RT: 7.41 min Scan# 1966

Delta R.T. 0.00 min

Lab File: VV015267.D

Acq: 30 Mar 2020 11:51

Instrument :

MSVOA_V

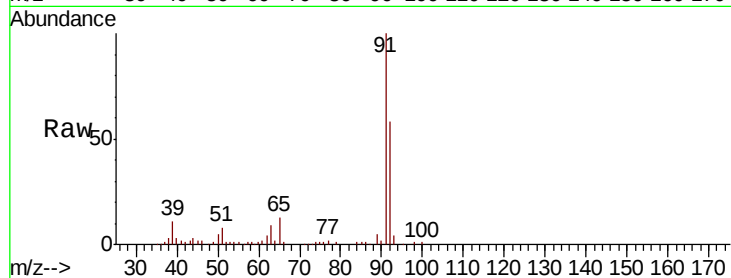
ClientSampleId :

Tot Ion: 91 Resp: 70482

Ion Ratio Lower Upper

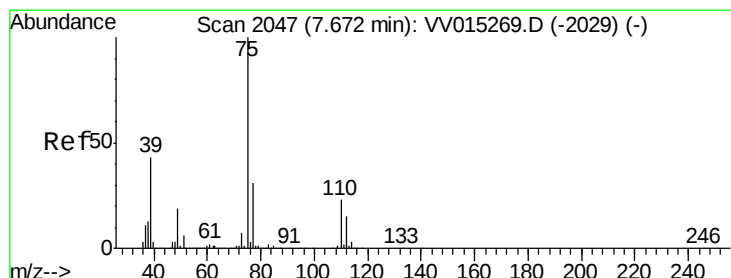
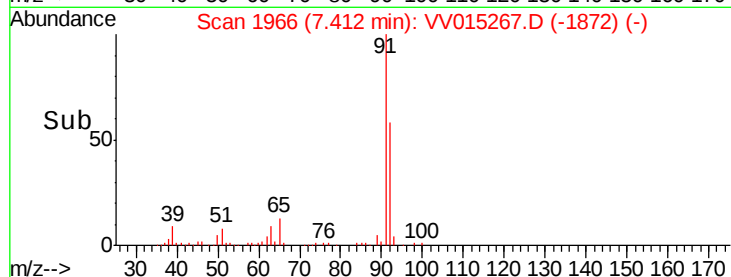
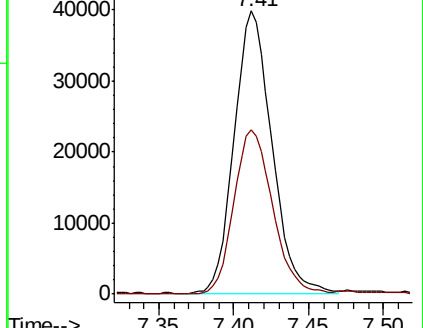
91 100

92 58.0 40.3 74.9



Abundance Ion 91.00 (90.70 to 91.70): VV015269.D (-1949) (-)

Ion 92.00 (91.70 to 92.70): VV015267.D (-1872) (-)



#44

trans-1,3-Dichloropropene

Concen: 4.366 ug/L

RT: 7.68 min Scan# 2049

Delta R.T. 0.01 min

Lab File: VV015267.D

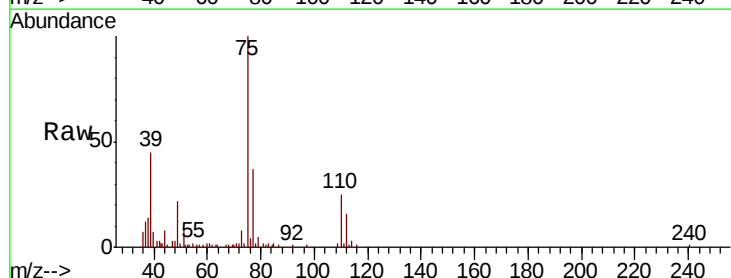
Acq: 30 Mar 2020 11:51

Tgt Ion: 75 Resp: 25602

Ion Ratio Lower Upper

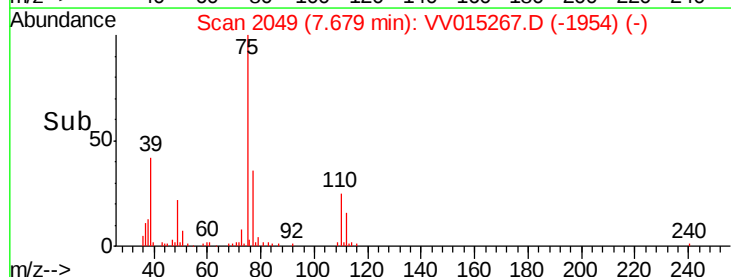
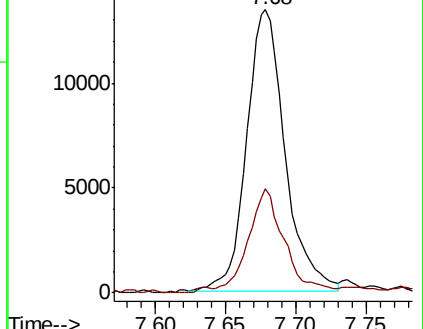
75 100

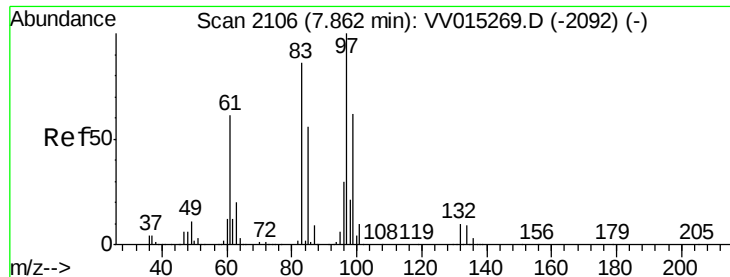
77 36.9 21.8 40.4



Abundance Ion 75.00 (74.70 to 75.70): VV015269.D (-2029) (-)

Ion 77.00 (76.70 to 77.70): VV015267.D (-1954) (-)

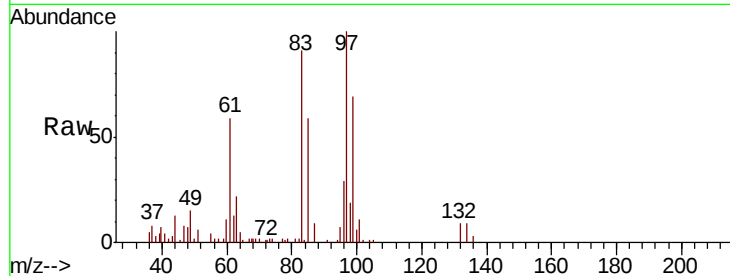




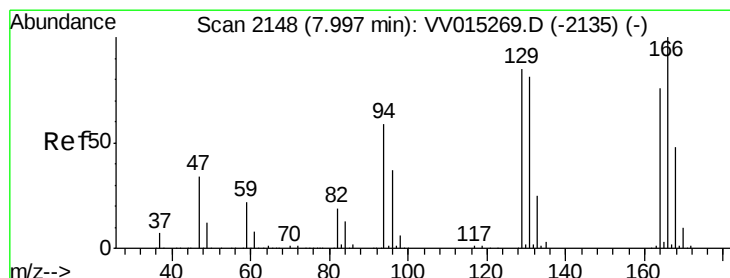
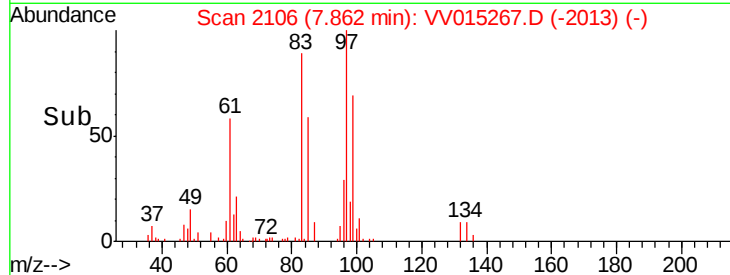
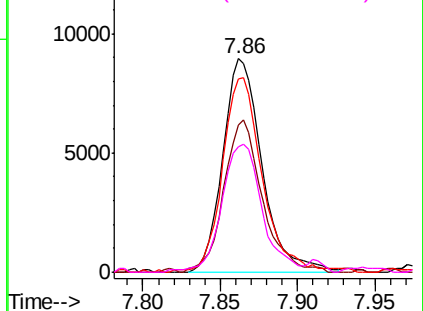
#45
 1,1,2-Trichloroethane
 Concen: 4.429 ug/L
 RT: 7.86 min Scan# 2106
 Delta R.T. -0.00 min
 Lab File: VV015267.D
 Acq: 30 Mar 2020 11:51

Instrument :
 MSVOA_V
 ClientSampled :

Tot Ion:	97	Resp:	15768
Ion	Ratio	Lower	Upper
97	100		
99	68.7	43.6	81.0
83	90.6	60.0	111.4
85	59.0	39.3	72.9

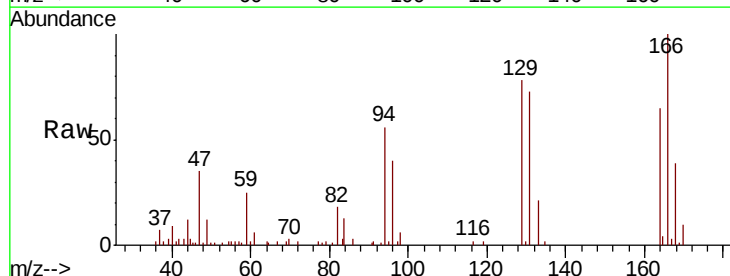


Abundance Ion 97.00 (96.70 to 97.70): VV015269.D (-2092) (-)
 Ion 99.00 (98.70 to 99.70): VV015269.D (-2092) (-)
 Ion 83.00 (82.70 to 83.70): VV015269.D (-2092) (-)
 Ion 85.00 (84.70 to 85.70): VV015269.D (-2092) (-)

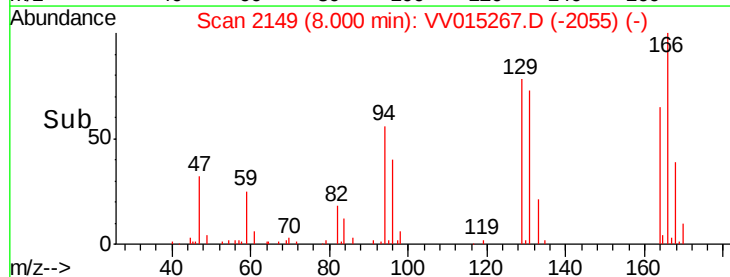
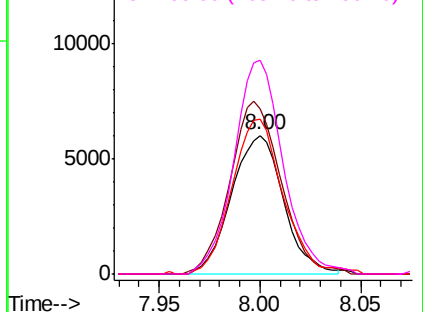


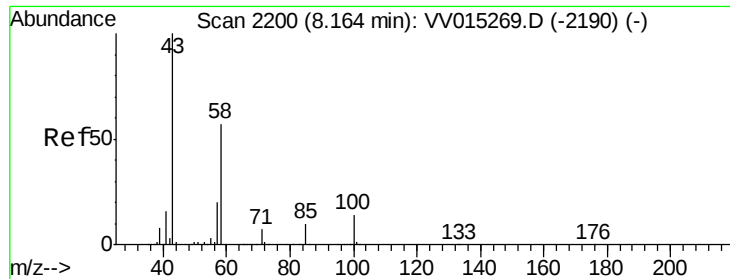
#46
 Tetrachloroethene
 Concen: 4.406 ug/L
 RT: 8.00 min Scan# 2149
 Delta R.T. 0.00 min
 Lab File: VV015267.D
 Acq: 30 Mar 2020 11:51

Tgt Ion:	164	Resp:	10868
Ion	Ratio	Lower	Upper
164	100		
129	113.2	77.8	144.4
131	106.0	73.9	137.3
166	150.5	91.7	170.3



Abundance Ion 164.00 (163.70 to 164.70): VV015269.D (-2135) (-)
 Ion 129.00 (128.70 to 129.70): VV015269.D (-2135) (-)
 Ion 131.00 (130.70 to 131.70): VV015269.D (-2135) (-)
 Ion 166.00 (165.70 to 166.70): VV015269.D (-2135) (-)

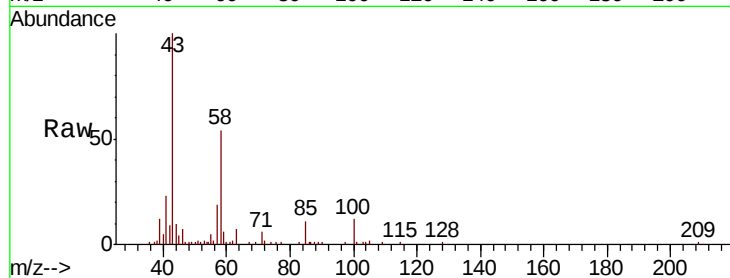




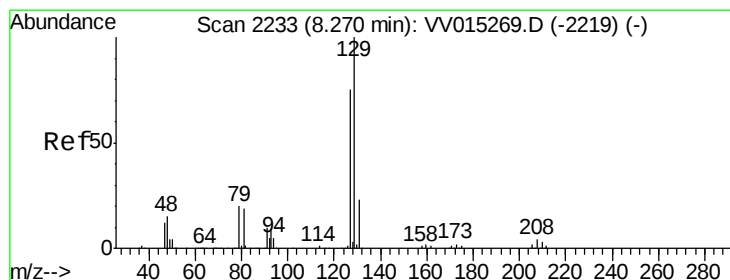
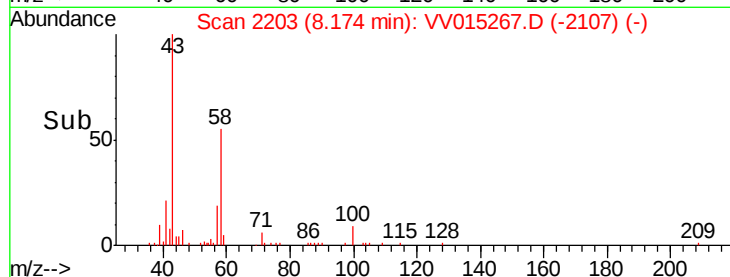
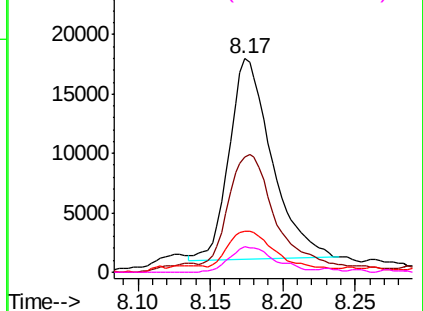
#48
2-Hexanone
Concen: 8.609 ug/L
RT: 8.17 min Scan# 2203
Delta R.T. 0.01 min
Lab File: VV015267.D
Acq: 30 Mar 2020 11:51

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 43 Resp: 34706
Ion Ratio Lower Upper
43 100
58 61.5 47.0 70.6
57 24.4 16.2 24.2#
100 13.4 11.0 16.6

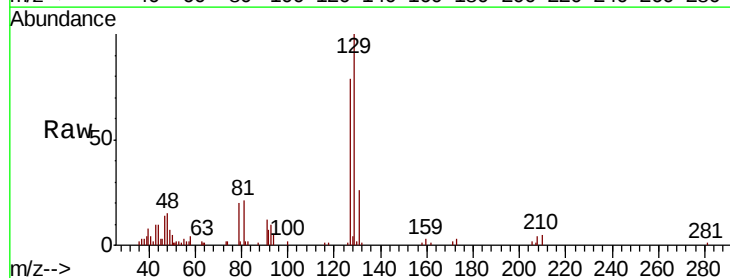


Abundance Ion 43.00 (42.70 to 43.70): VV015267.D (-2107) (-)
Ion 58.00 (57.70 to 58.70): VV015267.D (-2107) (-)
Ion 57.00 (56.70 to 57.70): VV015267.D (-2107) (-)
Ion 100.00 (99.70 to 100.70): VV015267.D (-2107) (-)

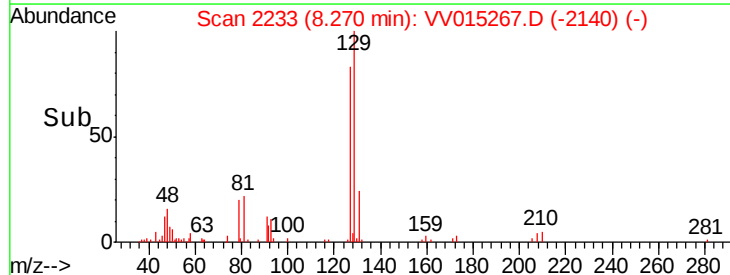
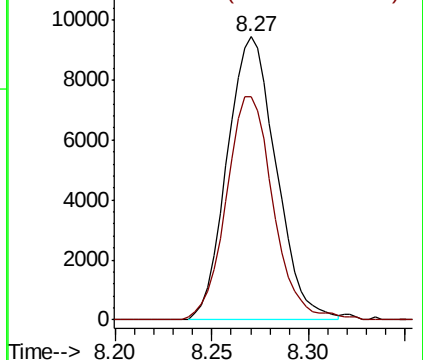


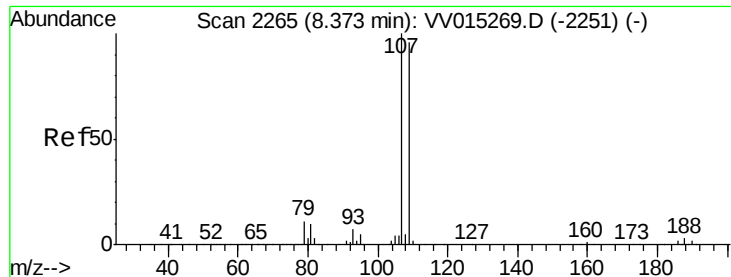
#49
Dibromochloromethane
Concen: 4.264 ug/L
RT: 8.27 min Scan# 2233
Delta R.T. -0.00 min
Lab File: VV015267.D
Acq: 30 Mar 2020 11:51

Tgt Ion: 129 Resp: 16592
Ion Ratio Lower Upper
129 100
127 79.1 52.8 98.2



Abundance Ion 129.00 (128.70 to 129.70): VV015267.D (-2140) (-)
Ion 127.00 (126.70 to 127.70): VV015267.D (-2140) (-)

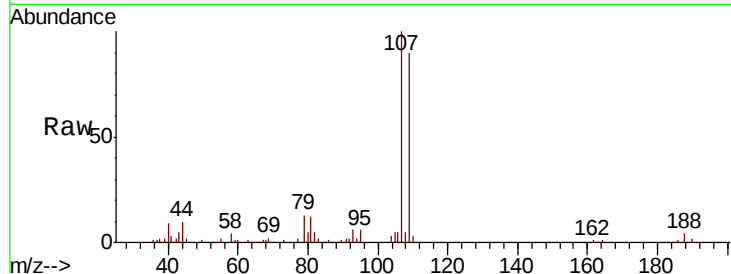




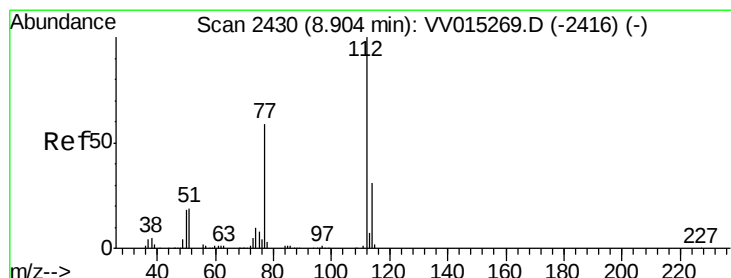
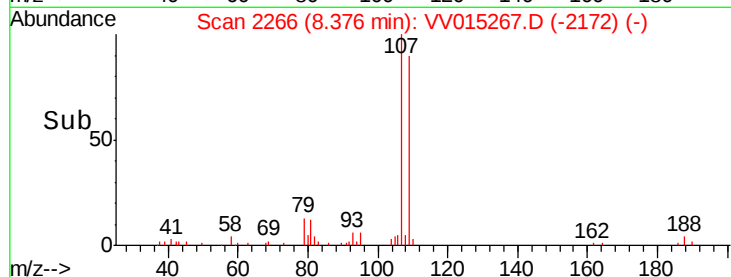
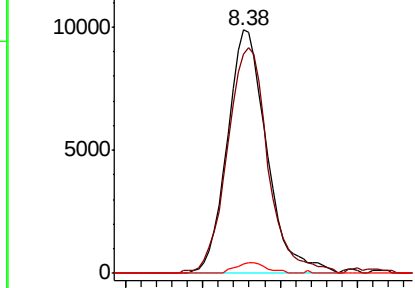
#50
 1,2-Dibromoethane
 Concen: 4.531 ug/L
 RT: 8.38 min Scan# 2266
 Delta R.T. 0.00 min
 Lab File: VV015267.D
 Acq: 30 Mar 2020 11:51

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
107	100		
109	90.1	67.1	124.7
188	3.7	2.5	3.7

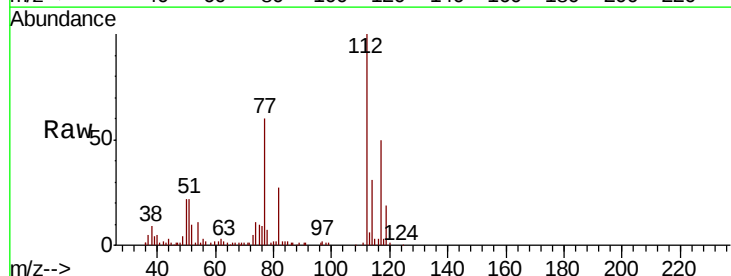


Abundance Ion 107.00 (106.70 to 107.70): V
 Ion 109.00 (108.70 to 109.70): V
 Ion 188.00 (187.70 to 188.70): V

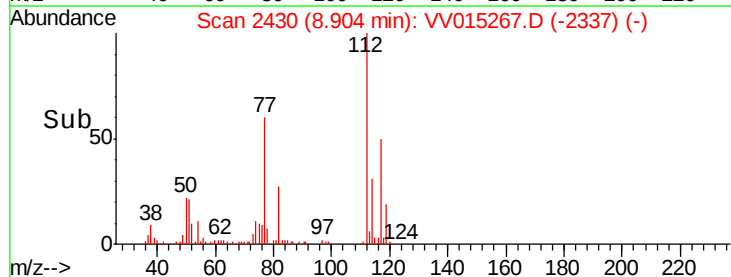
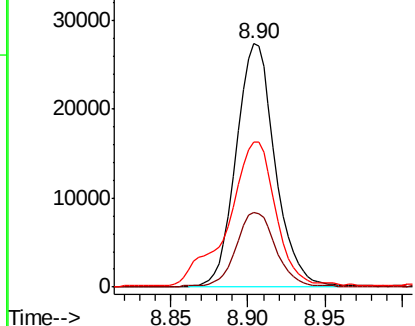


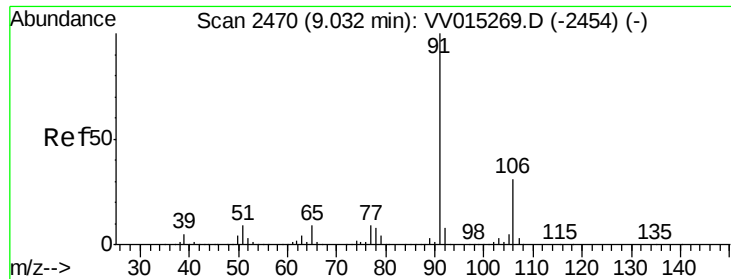
#51
 Chlorobenzene
 Concen: 4.737 ug/L
 RT: 8.90 min Scan# 2430
 Delta R.T. -0.00 min
 Lab File: VV015267.D
 Acq: 30 Mar 2020 11:51

Tgt Ion	Ratio	Lower	Upper
112	100		
114	30.7	21.7	40.3
77	59.8	47.9	71.9



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: 4.583 ug/L

RT: 9.04 min Scan# 2471

Delta R.T. 0.00 min

Lab File: VV015267.D

Acq: 30 Mar 2020 11:51

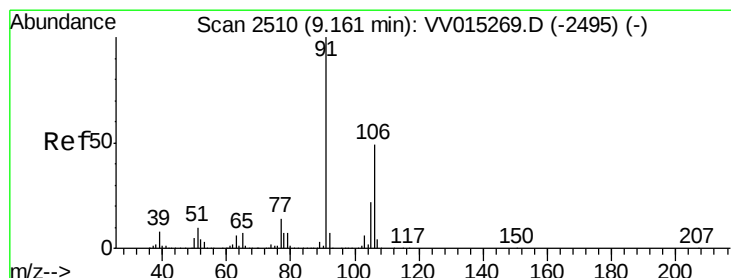
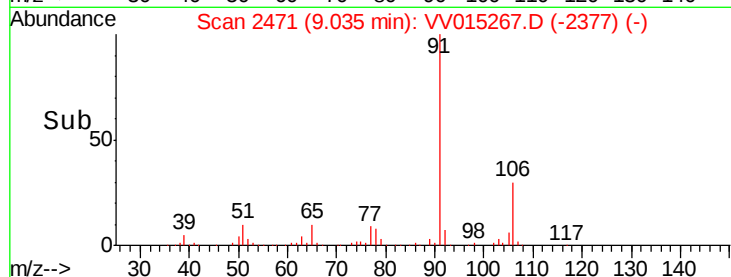
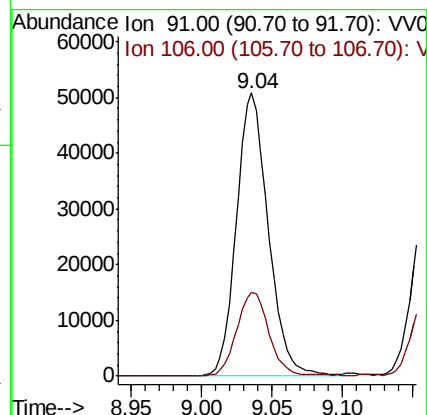
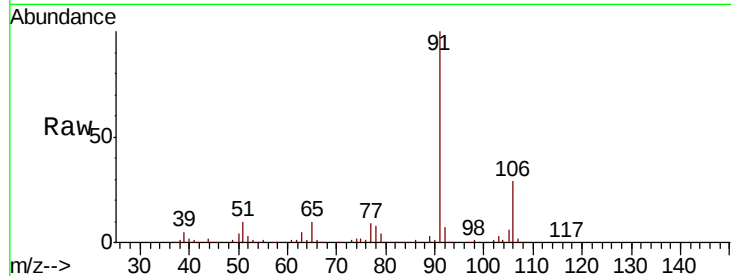
Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 91 Resp: 80614

Ion Ratio Lower Upper

91 100

106 29.5 22.0 40.8



#53

m,p-Xylene

Concen: 4.236 ug/L

RT: 9.16 min Scan# 2511

Delta R.T. 0.00 min

Lab File: VV015267.D

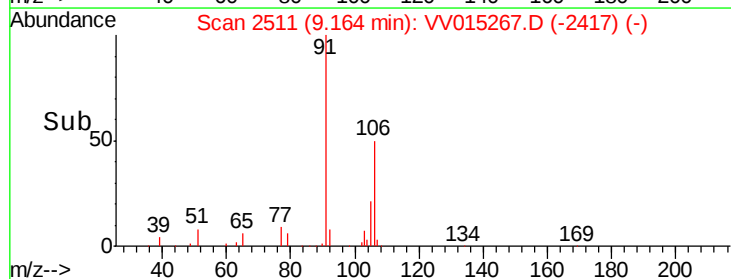
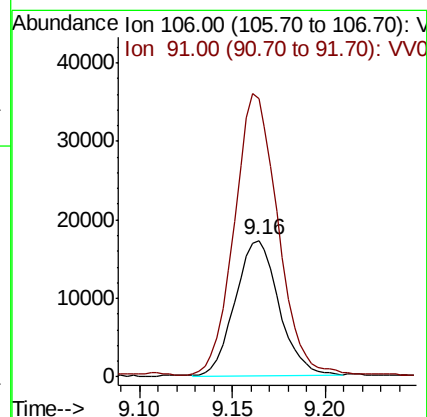
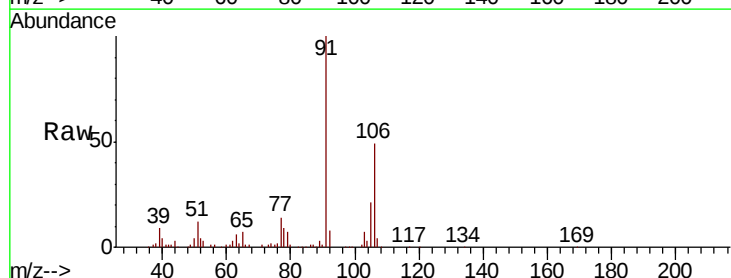
Acq: 30 Mar 2020 11:51

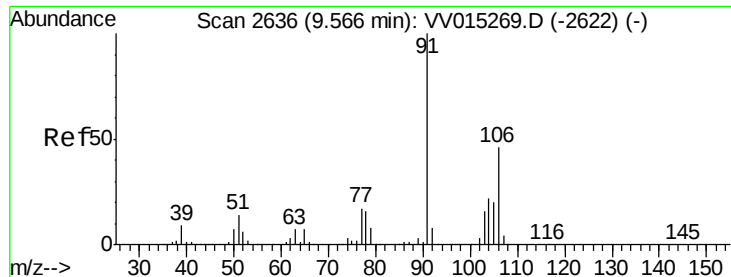
Tgt Ion: 106 Resp: 28417

Ion Ratio Lower Upper

106 100

91 204.1 143.1 265.9

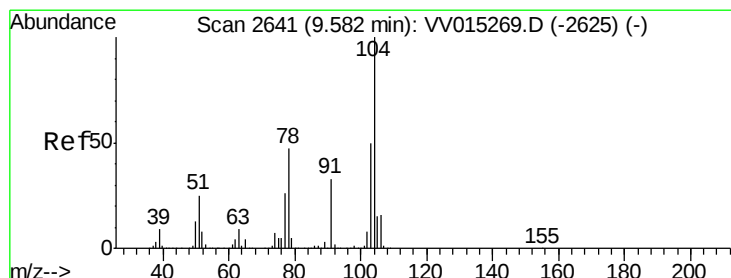
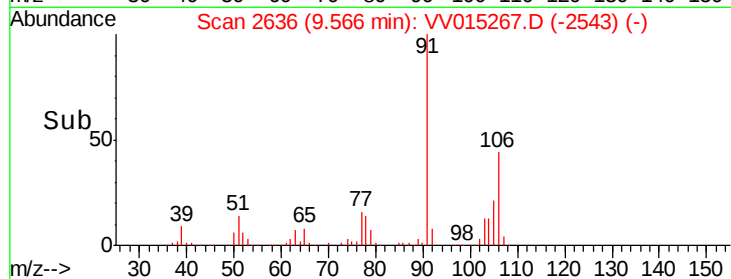
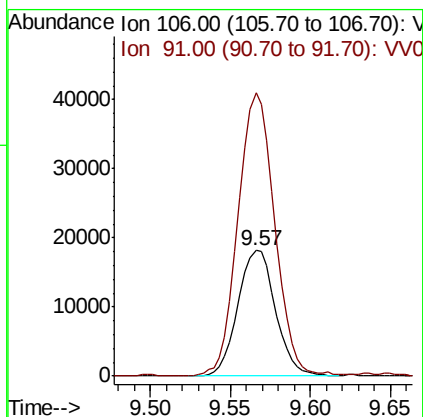
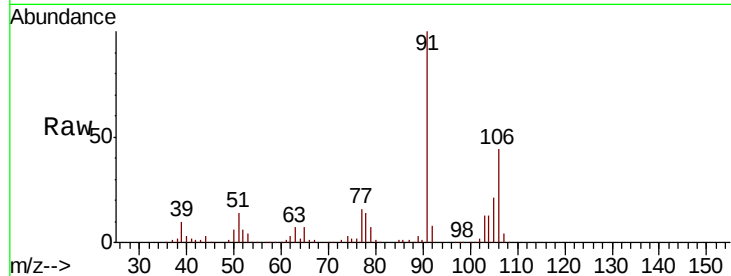




#54
o-xylene
Concen: 4.384 ug/L
RT: 9.57 min Scan# 2636
Delta R.T. -0.00 min
Lab File: VV015267.D
Acq: 30 Mar 2020 11:51

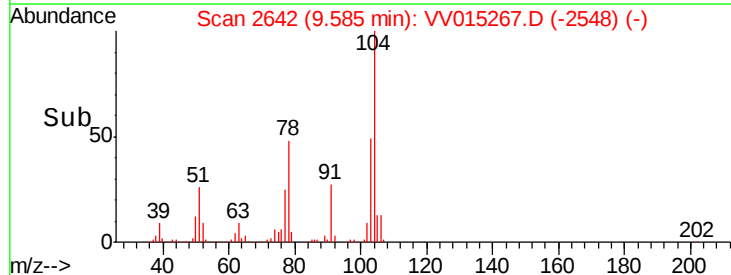
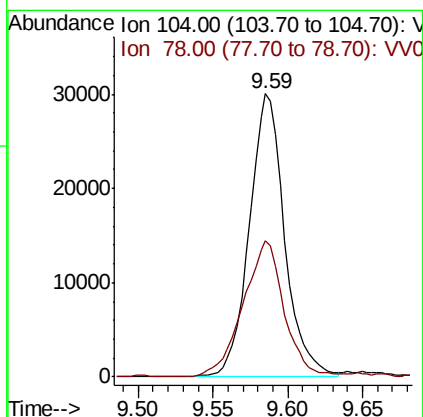
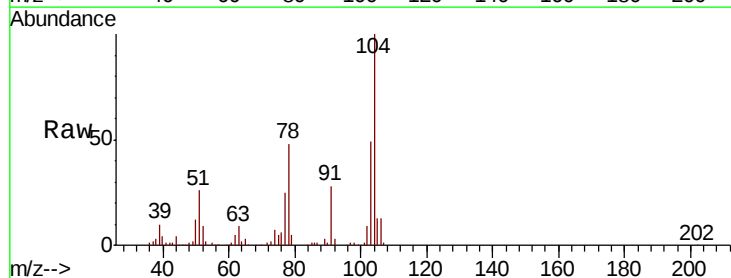
Instrument :
MSVOA_V
ClientSampleId :

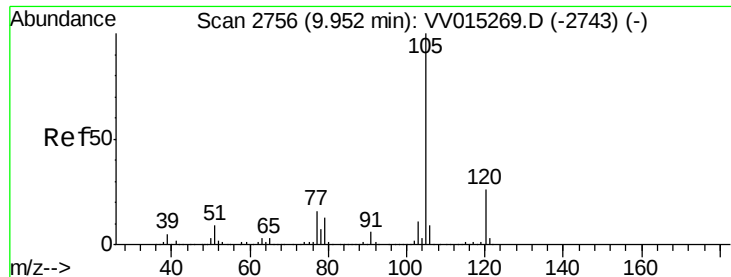
Tot Ion:106 Resp: 29257
Ion Ratio Lower Upper
106 100
91 225.9 153.4 285.0



#55
Styrene
Concen: 4.326 ug/L
RT: 9.59 min Scan# 2642
Delta R.T. 0.00 min
Lab File: VV015267.D
Acq: 30 Mar 2020 11:51

Tgt Ion:104 Resp: 49271
Ion Ratio Lower Upper
104 100
78 48.3 32.7 60.7





#56

Isopropylbenzene

Concen: 4.409 ug/L

RT: 9.96 min Scan# 2757

Delta R.T. 0.00 min

Lab File: VV015267.D

Acq: 30 Mar 2020 11:51

Instrument :
MSVOA_V
ClientSampleId :

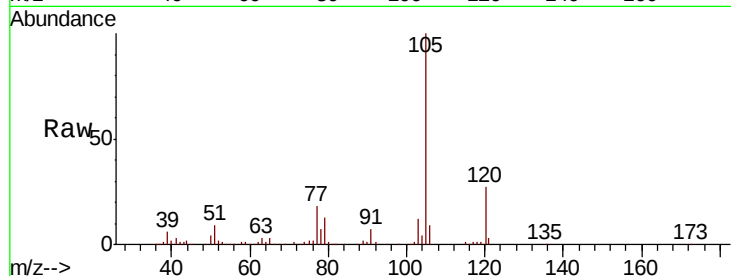
Tot Ion:105 Resp: 77452

Ion Ratio Lower Upper

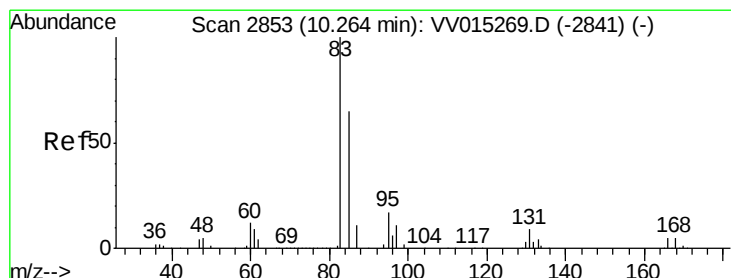
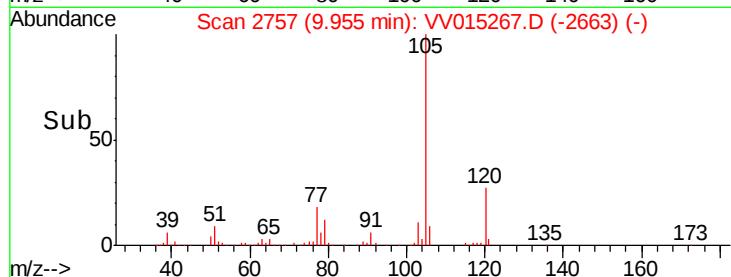
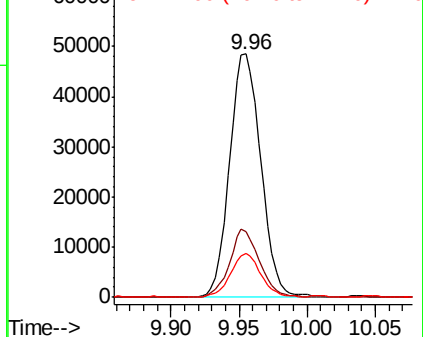
105 100

120 26.7 20.7 31.1

77 17.6 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: 4.414 ug/L

RT: 10.27 min Scan# 2854

Delta R.T. 0.00 min

Lab File: VV015267.D

Acq: 30 Mar 2020 11:51

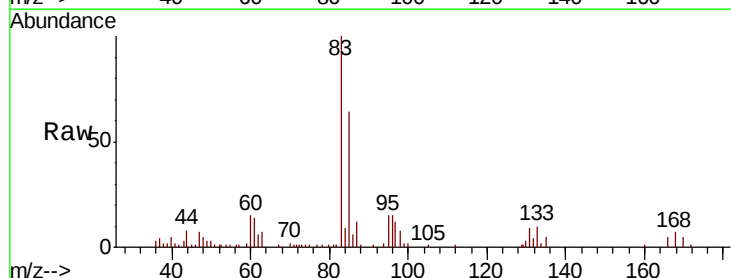
Tgt Ion: 83 Resp: 26079

Ion Ratio Lower Upper

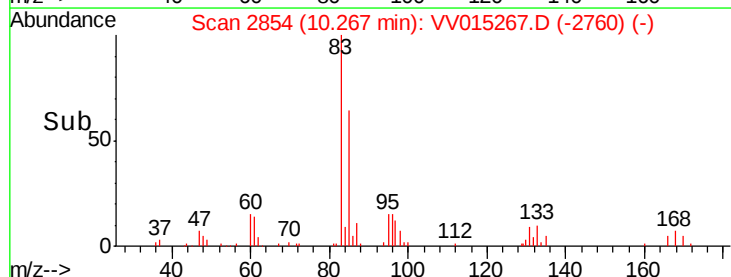
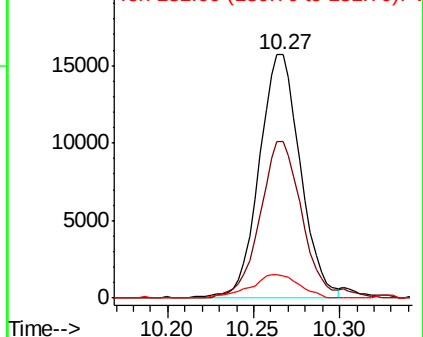
83 100

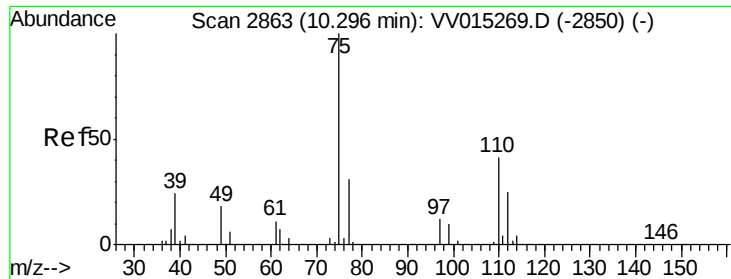
85 64.1 46.3 85.9

131 9.2 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

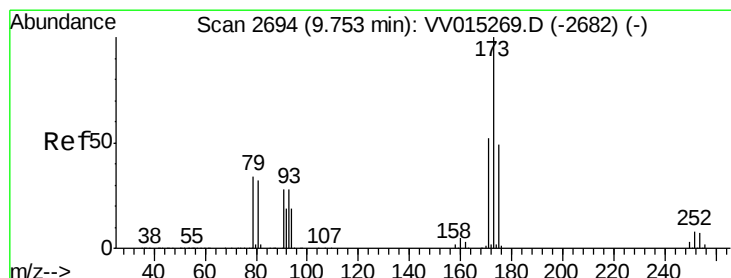
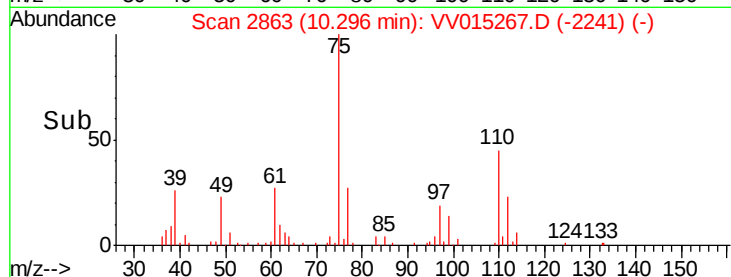
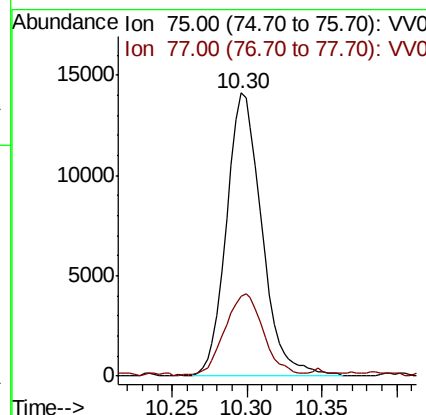
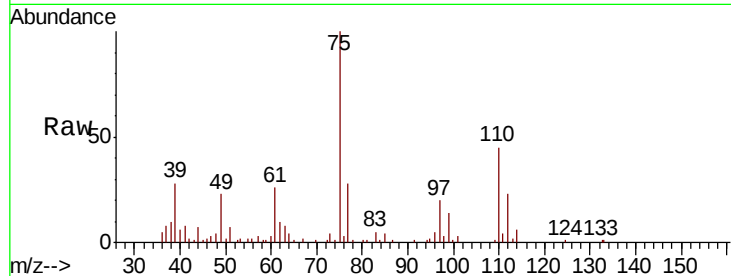




#59
 1,2,3-Trichloropropane
 Concen: 4.767 ug/L
 RT: 10.30 min Scan# 2863
 Delta R.T. -0.00 min
 Lab File: VV015267.D
 Acq: 30 Mar 2020 11:51

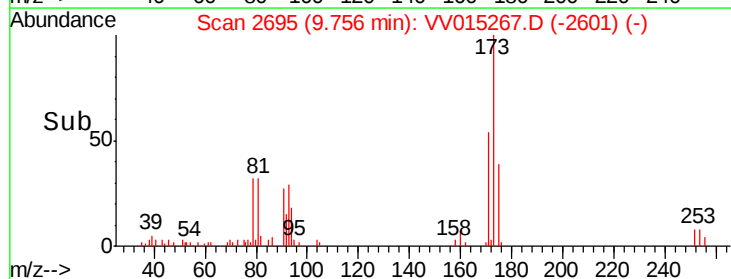
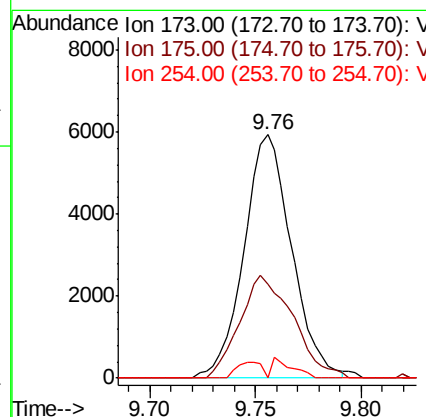
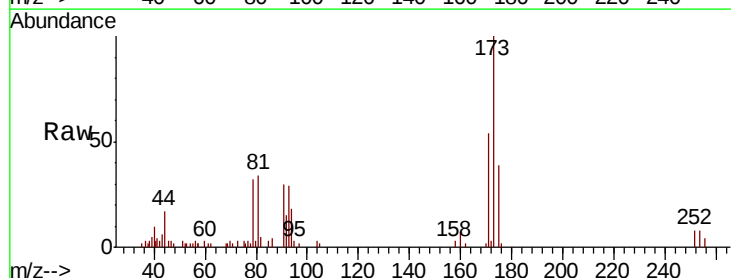
Instrument :
 MSVOA_V
 ClientSampleId :

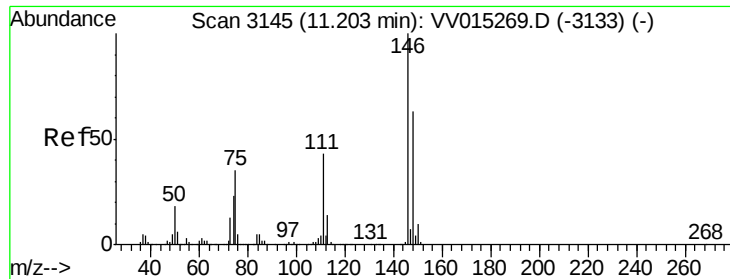
Tot Ion: 75 Resp: 23308
 Ion Ratio Lower Upper
 75 100
 77 30.1 24.7 37.1



#61
 Bromoform
 Concen: 4.020 ug/L
 RT: 9.76 min Scan# 2695
 Delta R.T. 0.00 min
 Lab File: VV015267.D
 Acq: 30 Mar 2020 11:51

Tgt Ion: 173 Resp: 9345
 Ion Ratio Lower Upper
 173 100
 175 47.1 39.4 59.0
 254 3.6 5.6 8.4#

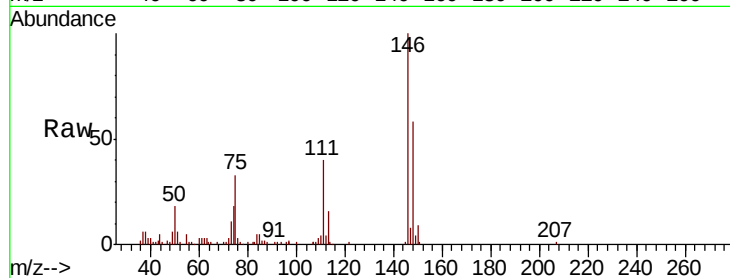




#62
 1,3-Dichlorobenzene
 Concen: 4.806 ug/L
 RT: 11.21 min Scan# 3146
 Delta R.T. 0.00 min
 Lab File: VV015267.D
 Acq: 30 Mar 2020 11:51

Instrument :
 MSVOA_V
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.8	30.4	56.4
148	57.9	43.9	81.5

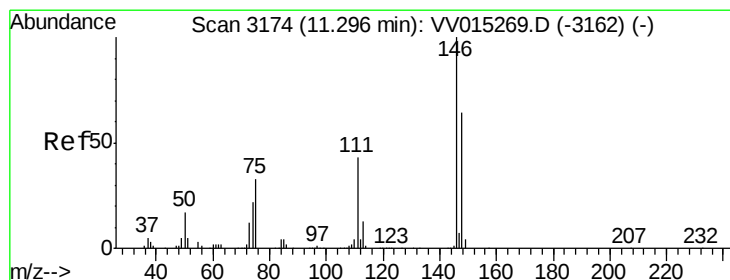
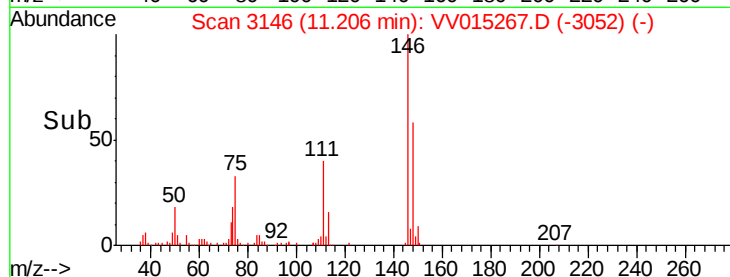
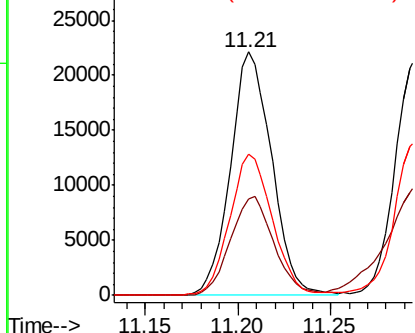


Abundance

Ion 146.00 (145.70 to 146.70): V

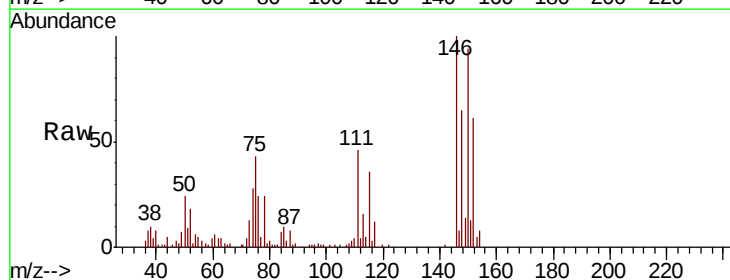
Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#63
 1,4-Dichlorobenzene
 Concen: 4.814 ug/L
 RT: 11.30 min Scan# 3174
 Delta R.T. -0.00 min
 Lab File: VV015267.D
 Acq: 30 Mar 2020 11:51

Tgt Ion	Ratio	Lower	Upper
146	100		
111	46.2	30.5	56.7
148	64.6	45.0	83.6

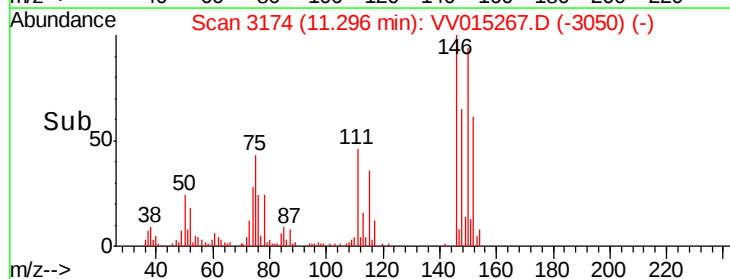
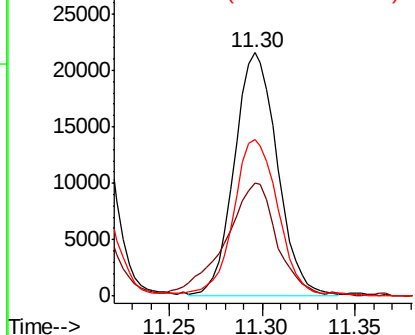


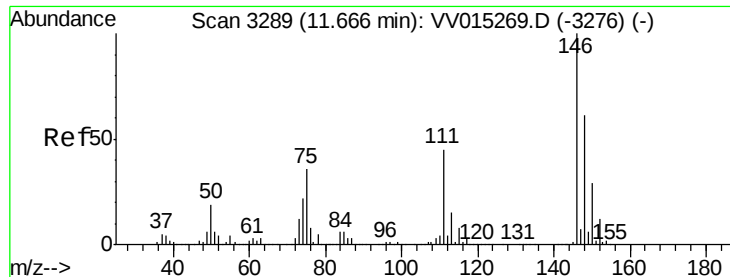
Abundance

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





#65

1,2-Dichlorobenzene

Concen: 4.776 ug/L

RT: 11.67 min Scan# 3290

Delta R.T. 0.00 min

Lab File: VV015267.D

Acq: 30 Mar 2020 11:51

Instrument :

MSVOA_V

ClientSampled :

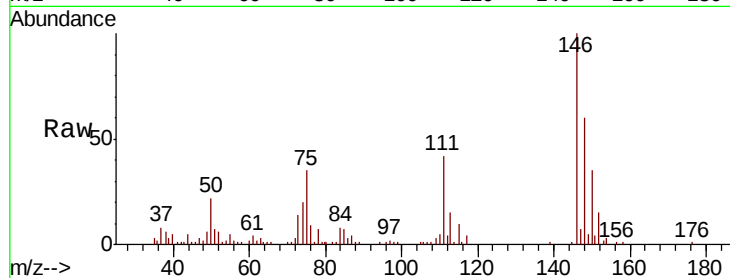
Tot Ion:146 Resp: 34259

Ion Ratio Lower Upper

146 100

111 42.4 35.8 53.6

148 59.5 49.1 73.7

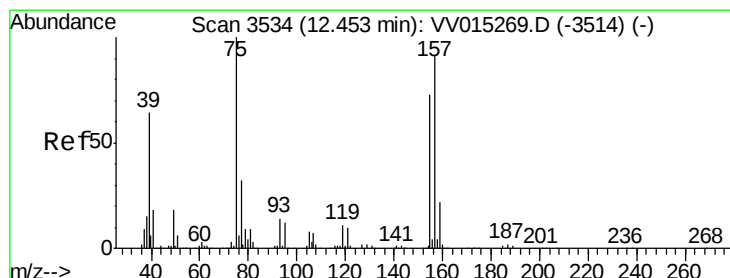
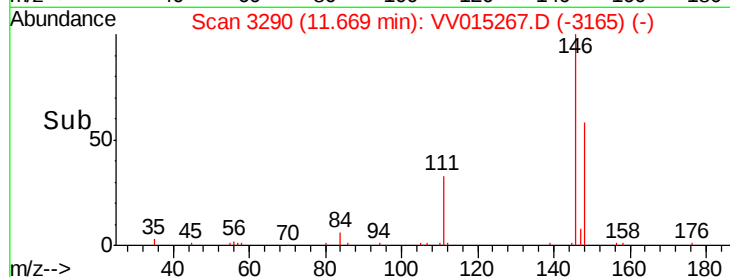
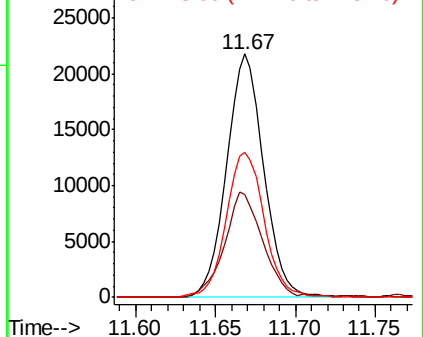


Abundance

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: 4.832 ug/L

RT: 12.45 min Scan# 3533

Delta R.T. -0.00 min

Lab File: VV015267.D

Acq: 30 Mar 2020 11:51

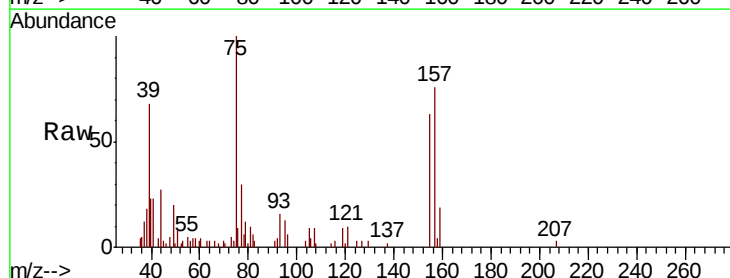
Tgt Ion: 75 Resp: 7626

Ion Ratio Lower Upper

75 100

155 63.3 58.2 87.4

157 76.4 73.0 109.6

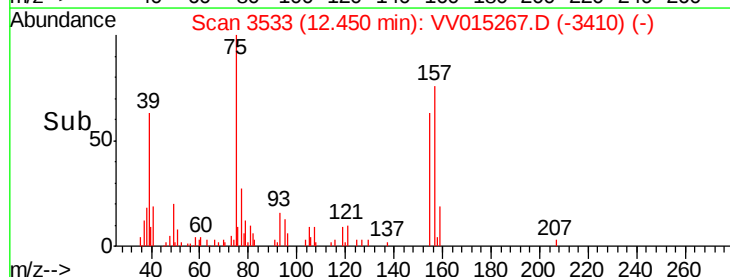
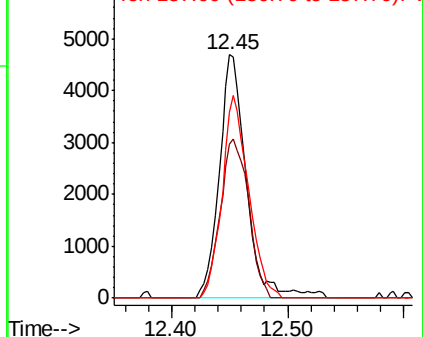


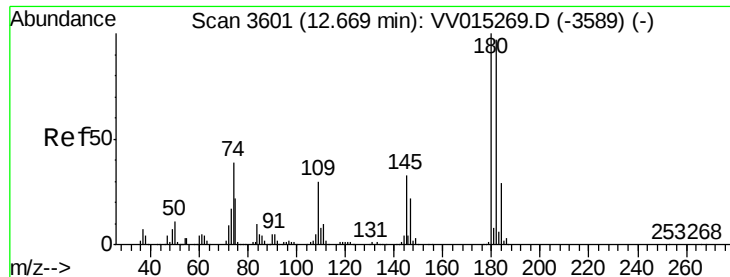
Abundance

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

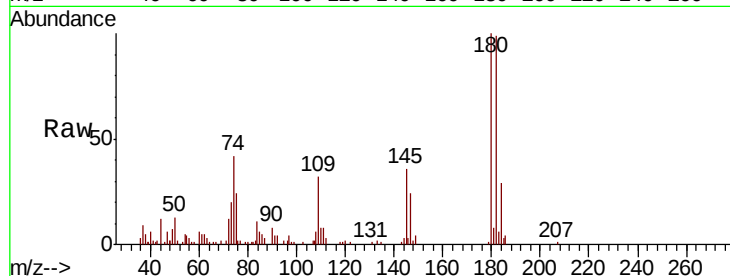




#67
 1,3,5-Trichlorobenzene
 Concen: 4.519 ug/L
 RT: 12.67 min Scan# 3602
 Delta R.T. 0.00 min
 Lab File: VV015267.D
 Acq: 30 Mar 2020 11:51

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.0	76.8	115.2
184	30.5	23.6	35.4
145	33.5	27.0	40.6



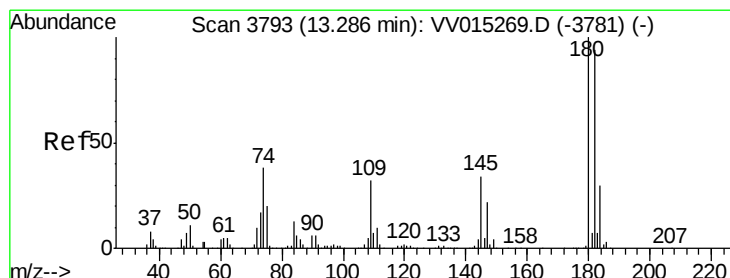
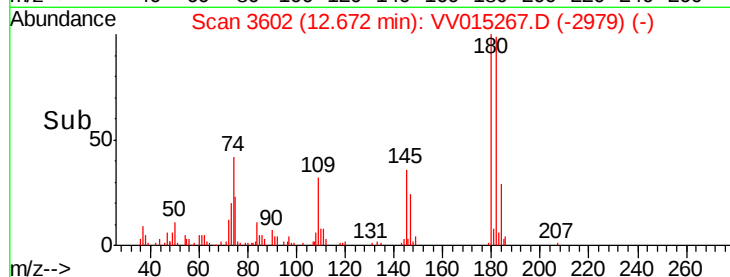
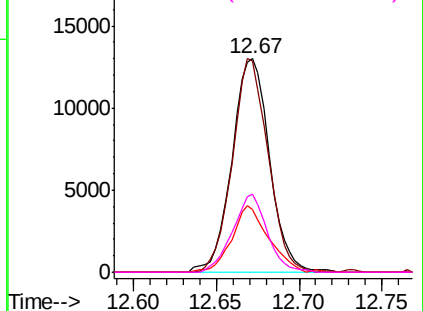
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

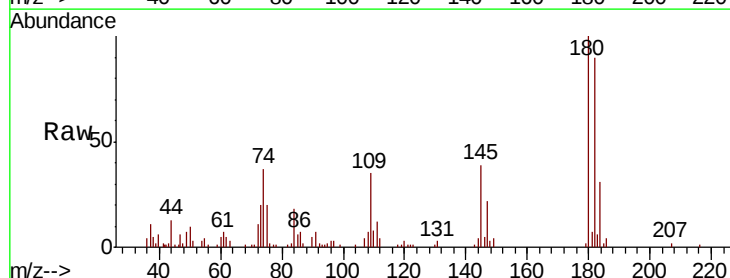
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 4.766 ug/L
 RT: 13.29 min Scan# 3794
 Delta R.T. 0.00 min
 Lab File: VV015267.D
 Acq: 30 Mar 2020 11:51

Tgt Ion	Ratio	Lower	Upper
180	100		
182	90.2	75.2	112.8
145	37.5	27.3	40.9

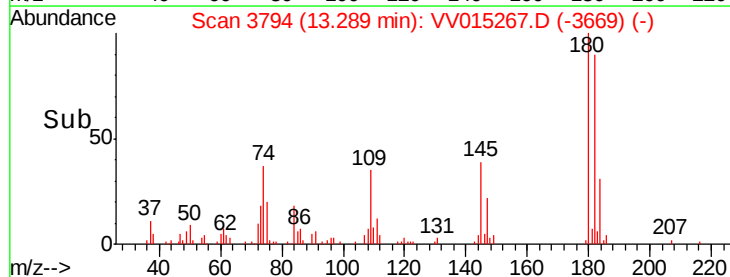
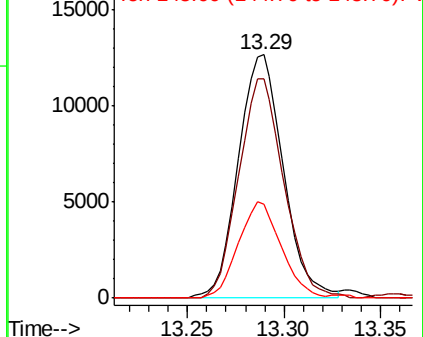


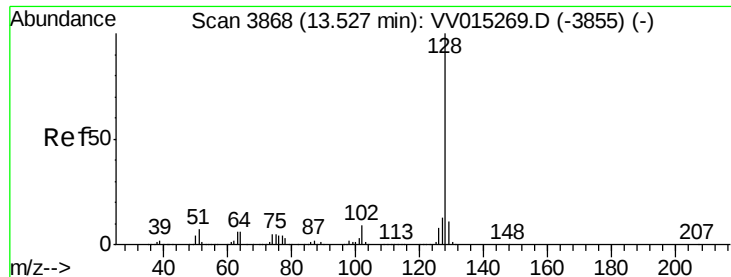
Abundance

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: 4.752 ug/L

RT: 13.53 min Scan# 3869

Delta R.T. 0.00 min

Lab File: VV015267.D

Acq: 30 Mar 2020 11:51

Instrument :

MSVOA_V

ClientSampleId :

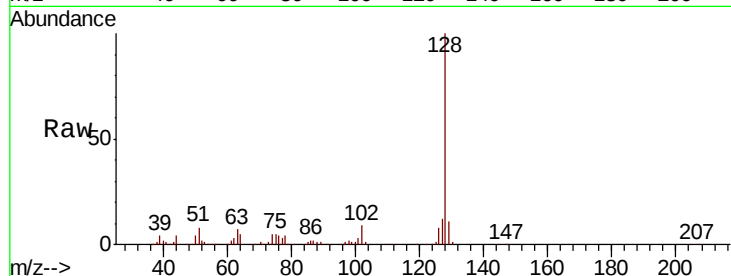
Tot Ion:128 Resp: 81661

Ion Ratio Lower Upper

128 100

127 11.9 10.6 15.8

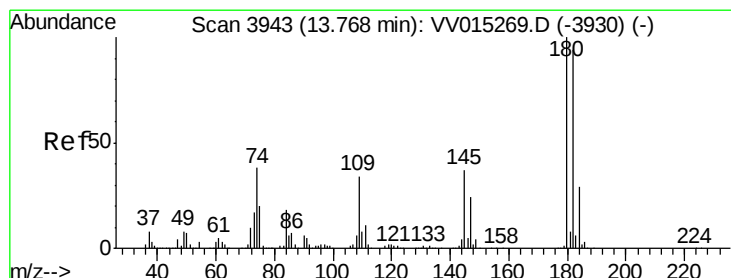
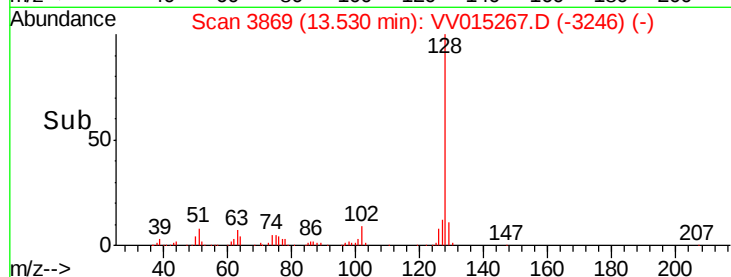
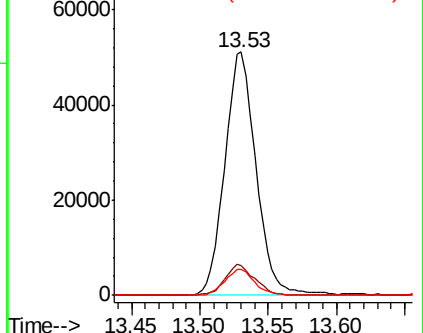
129 10.1 8.6 13.0



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: 4.560 ug/L

RT: 13.77 min Scan# 3944

Delta R.T. 0.00 min

Lab File: VV015267.D

Acq: 30 Mar 2020 11:51

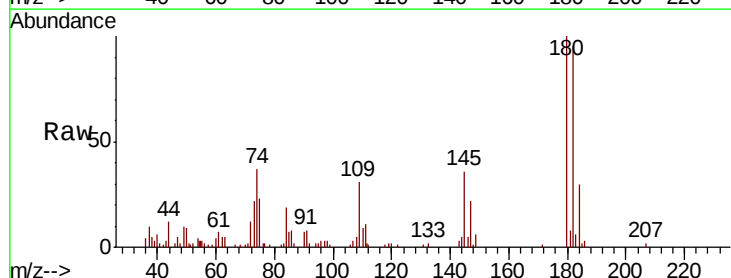
Tgt Ion:180 Resp: 19727

Ion Ratio Lower Upper

180 100

182 92.1 74.7 112.1

145 39.8 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

