

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV033020\
 Data File : VV015261.D
 Acq On : 30 Mar 2020 08:57
 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 10:13:48 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM033020WMA.M
 Quant Title : VOC Analysis
 QLast Update : Mon Mar 30 10:10:08 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	439357	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	423875	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	187464	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	23467	11.21	ug/L	0.00
7) Chloroethane-d5	1.58	69	22756	10.62	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.12	63	47915	9.87	ug/L	0.00
21) 2-Butanone-d5	3.96	46	14245	6.79	ug/L	0.02
24) Chloroform-d	4.38	84	41823	8.64	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.06	65	27945	8.83	ug/L	0.00
32) Benzene-d6	5.07	84	80155	9.75	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.09	67	24517	8.34	ug/L	0.00
41) Toluene-d8	7.34	98	76248	10.23	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.65	79	13768	8.74	ug/L	0.00
47) 2-Hexanone-d5	8.12	63	22175	13.84	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.24	84	35333	7.17	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.65	152	28272	8.57	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	20156	6.808	ug/L 95
3) Chloromethane	1.25	50	21084	6.173	ug/L 98
5) Vinyl chloride	1.32	62	22470	6.400	ug/L 99
6) Bromomethane	1.53	94	12689	5.603	ug/L 88
8) Chloroethane	1.60	64	14549	6.391	ug/L 92
9) Trichlorofluoromethane	1.76	101	33063	5.867	ug/L 99
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	19595	6.580	ug/L 98
12) 1,1-Dichloroethene	2.13	96	16875	5.698	ug/L # 76
13) Acetone	2.22	43	19282	17.257	ug/L 96
14) Carbon disulfide	2.31	76	43246	5.878	ug/L 96
16) Methylene chloride	2.53	84	17354	5.990	ug/L 96
17) trans-1,2-Dichloroethene	2.78	96	15888	6.238	ug/L 95
18) Methyl tert-butyl Ether	2.79	73	48806	5.613	ug/L 96
19) 1,1-Dichloroethane	3.22	63	27305	5.727	ug/L 98
22) 2-Butanone	4.05	43	10057	5.567	ug/L 93
23) Bromochloromethane	4.28	128	8205	5.673	ug/L 86
25) Chloroform	4.40	83	30723	6.014	ug/L 98
27) 1,2-Dichloroethane	5.16	62	21205	5.432	ug/L 99
29) Cyclohexane	4.70	56	24621	5.922	ug/L # 86
30) 1,1,1-Trichloroethane	4.63	97	27813	6.091	ug/L 99
31) Carbon tetrachloride	4.85	117	23612	6.151	ug/L 95
33) Benzene	5.13	78	60693	5.681	ug/L 100
34) Trichloroethene	5.94	95	17892	6.239	ug/L 95
35) Methylcyclohexane	6.15	83	27298	6.253	ug/L 99
37) 1,2-Dichloropropane	6.20	63	15257	5.689	ug/L # 96
38) Bromodichloromethane	6.53	83	21656	5.477	ug/L 95
39) cis-1,3-Dichloropropene	7.05	75	25140	5.573	ug/L 94
40) 4-Methyl-2-pentanone	7.26	43	41635	10.541	ug/L 98
42) Toluene	7.41	91	67633	5.731	ug/L 97
44) trans-1,3-Dichloropropene	7.68	75	24820	5.714	ug/L 92

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 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 1 Sample Multiplier: 1

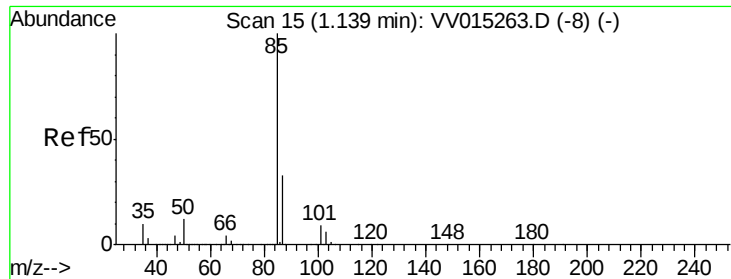
Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Mar 30 10:13:48 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM033020WMA.M
 Quant Title : VOC Analysis
 QLast Update : Mon Mar 30 10:10:08 2020
 Response via : Initial Calibration

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

45) 1,1,2-Trichloroethane	7.86	97	15699	5.792	ug/L	96
46) Tetrachloroethene	8.00	164	10515	5.711	ug/L	88
48) 2-Hexanone	8.17	43	34080	11.233	ug/L	96
49) Dibromochloromethane	8.27	129	16340	5.584	ug/L	89
50) 1,2-Dibromoethane	8.38	107	16441	5.685	ug/L	99
51) Chlorobenzene	8.90	112	47668	6.193	ug/L	98
52) Ethylbenzene	9.04	91	77478	5.813	ug/L	94
53) m,p-Xylene	9.16	106	30021	5.853	ug/L	94
54) o-xylene	9.57	106	29507	5.756	ug/L	99
55) Styrene	9.58	104	47200	5.478	ug/L	97
56) Isopropylbenzene	9.95	105	74774	5.712	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.26	83	25134	5.625	ug/L	94
59) 1,2,3-Trichloropropane	10.30	75	20229	5.539	ug/L	97
61) Bromoform	9.75	173	9470	5.364	ug/L	99
62) 1,3-Dichlorobenzene	11.21	146	31276	5.959	ug/L	95
63) 1,4-Dichlorobenzene	11.30	146	35901	6.810	ug/L	95
65) 1,2-Dichlorobenzene	11.67	146	32119	5.931	ug/L	96
66) 1,2-Dibromo-3-chloropropan	12.45	75	5882	5.215	ug/L	93
67) 1,3,5-Trichlorobenzene	12.67	180	19311	5.812	ug/L	99
68) 1,2,4-trichlorobenzene	13.29	180	17026	5.512	ug/L	90
69) Naphthalene	13.53	128	62821	5.029	ug/L	99
70) 1,2,3-Trichlorobenzene	13.77	180	17907	5.642	ug/L	96

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



#2

Dichlorodifluoromethane

Concen: 6.808 ug/L

RT: 1.14 min Scan# 14

Delta R.T. -0.00 min

Lab File: VV015261.D

Acq: 30 Mar 2020 08:57

Instrument :

MSVOA_V

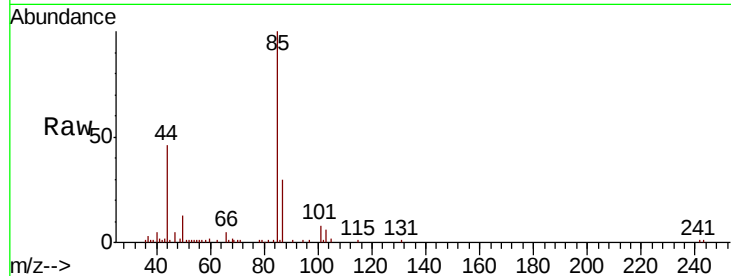
ClientSampleId :

Tot Ion: 85 Resp: 20156

Ion Ratio Lower Upper

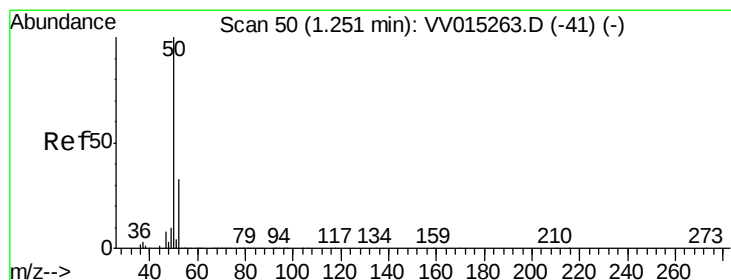
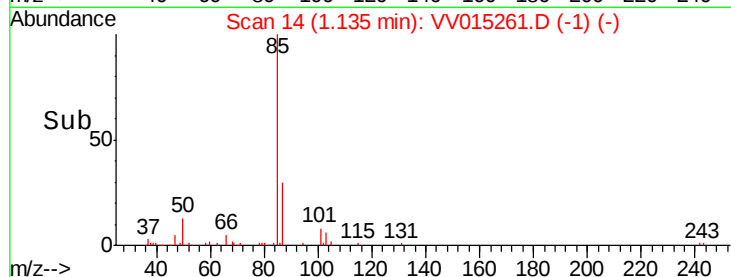
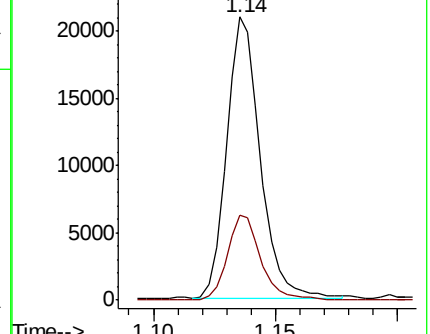
85 100

87 29.8 25.9 38.9



Abundance Ion 85.00 (84.70 to 85.70): VV0

Ion 87.00 (86.70 to 87.70): VV0



#3

Chloromethane

Concen: 6.173 ug/L

RT: 1.25 min Scan# 50

Delta R.T. 0.00 min

Lab File: VV015261.D

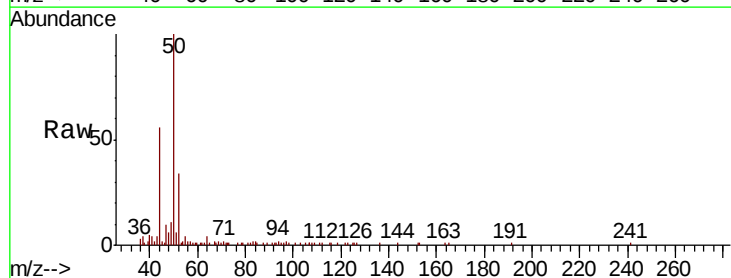
Acq: 30 Mar 2020 08:57

Tgt Ion: 50 Resp: 21084

Ion Ratio Lower Upper

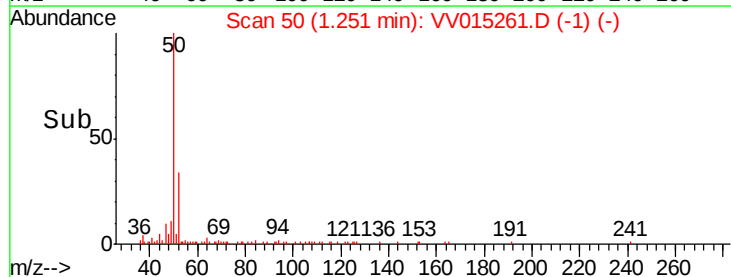
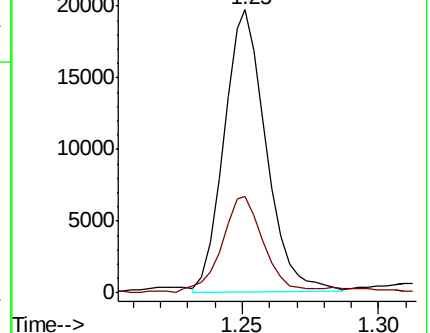
50 100

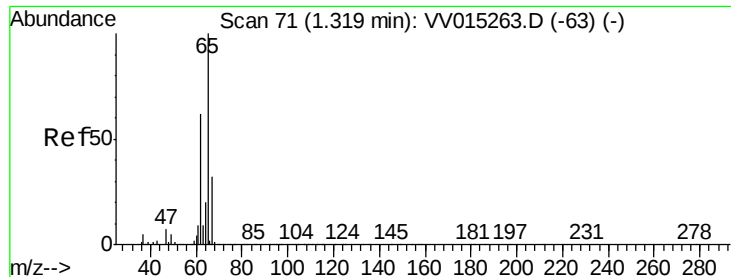
52 33.9 23.0 42.8



Abundance Ion 50.00 (49.70 to 50.70): VV0

Ion 52.00 (51.70 to 52.70): VV0





#5

Vinyl chloride

Concen: 6.400 ug/L

RT: 1.32 min Scan# 71

Delta R.T. 0.00 min

Lab File: VV015261.D

Acq: 30 Mar 2020 08:57

Instrument :

MSVOA_V

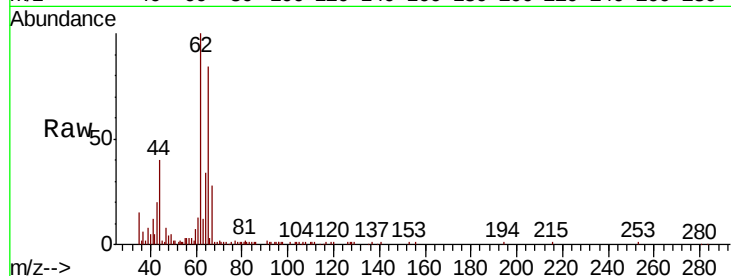
ClientSampleId :

Tot Ion: 62 Resp: 22470

Ion Ratio Lower Upper

62 100

64 33.8 23.2 43.2



Abundance Ion 62.00 (61.70 to 62.70): VV015263.D (-63) (-)

Ion 64.00 (63.70 to 64.70): VV015263.D (-63) (-)

1.32

25000

20000

15000

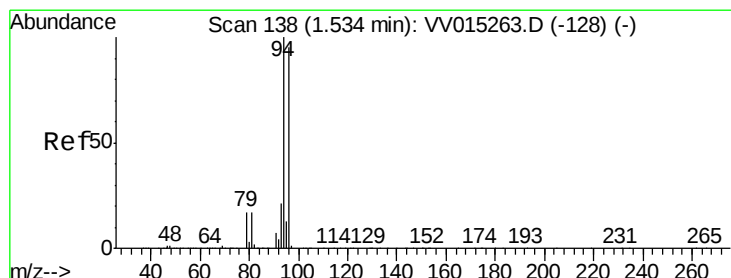
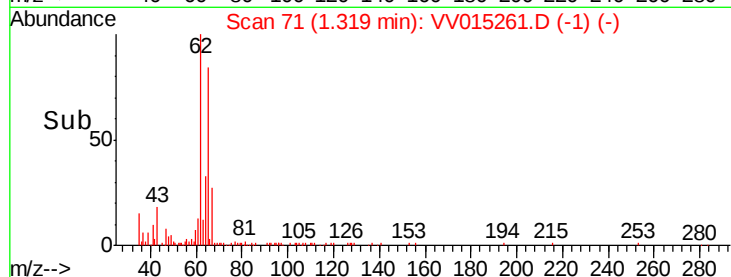
10000

5000

0

1.30 1.35

Time-->



#6

Bromomethane

Concen: 5.603 ug/L

RT: 1.53 min Scan# 137

Delta R.T. -0.00 min

Lab File: VV015261.D

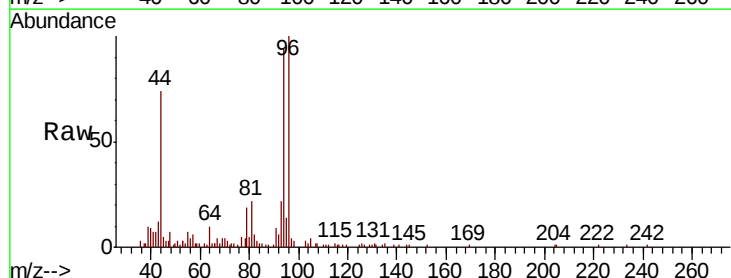
Acq: 30 Mar 2020 08:57

Tgt Ion: 94 Resp: 12689

Ion Ratio Lower Upper

94 100

96 106.5 66.2 123.0



Abundance Ion 94.00 (93.70 to 94.70): VV015263.D (-128) (-)

Ion 96.00 (95.70 to 96.70): VV015263.D (-128) (-)

1.53

12000

10000

8000

6000

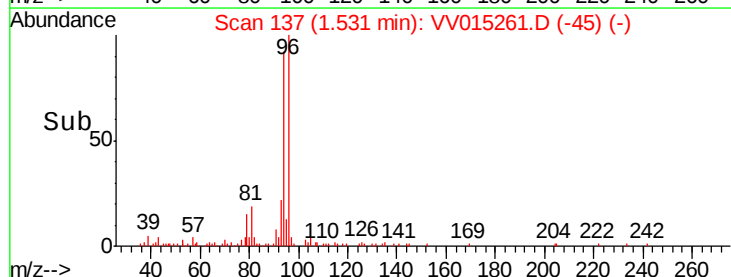
4000

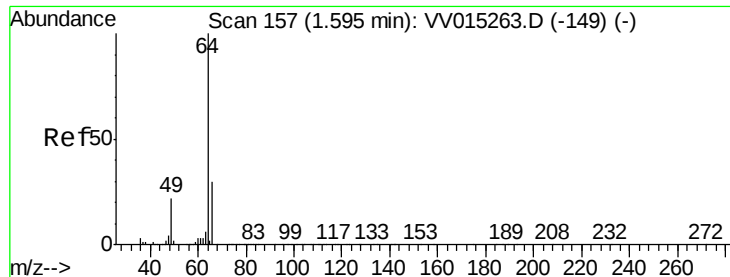
2000

0

1.50 1.55

Time-->





#8

Chloroethane

Concen: 6.391 ug/L

RT: 1.60 min Scan# 157

Delta R.T. 0.00 min

Lab File: VV015261.D

Acq: 30 Mar 2020 08:57

Instrument :

MSVOA_V

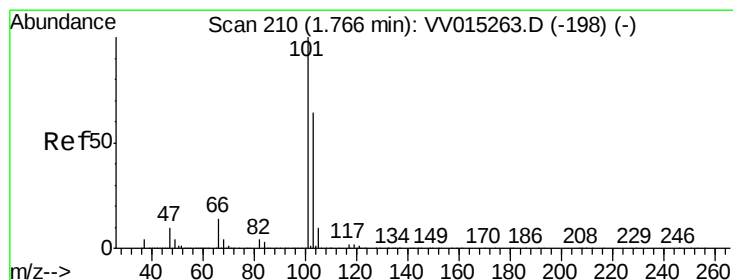
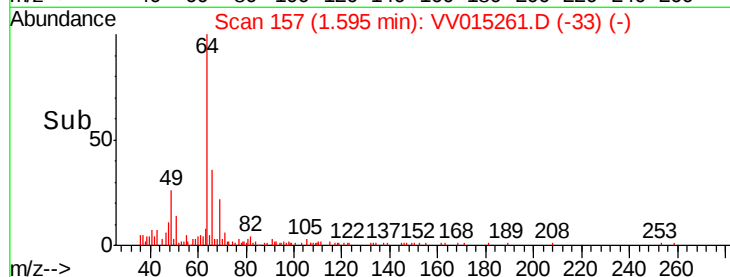
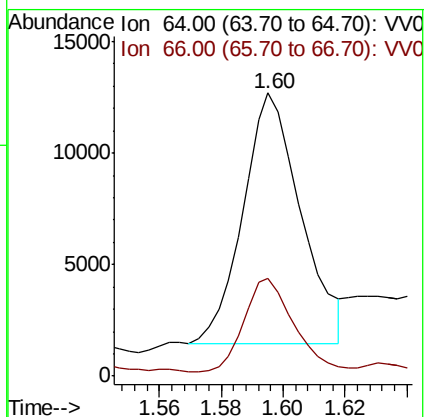
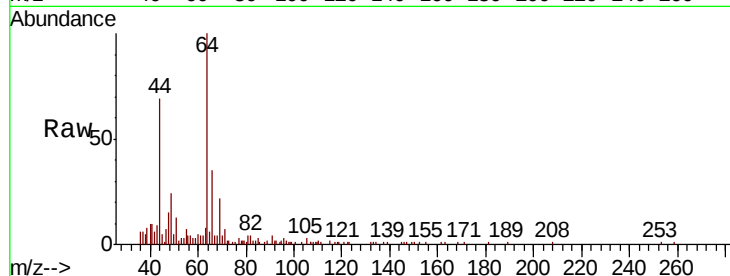
ClientSampleId :

Tot Ion: 64 Resp: 14549

Ion Ratio Lower Upper

64 100

66 34.7 21.1 39.3



#9

Trichlorofluoromethane

Concen: 5.867 ug/L

RT: 1.76 min Scan# 209

Delta R.T. -0.00 min

Lab File: VV015261.D

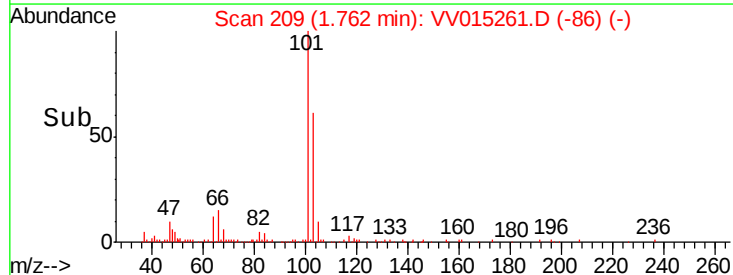
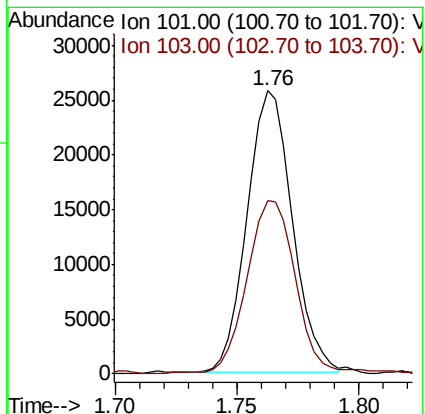
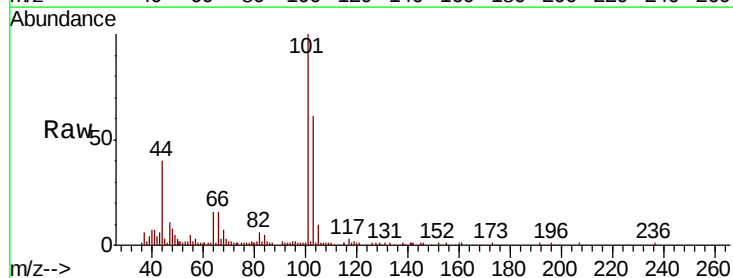
Acq: 30 Mar 2020 08:57

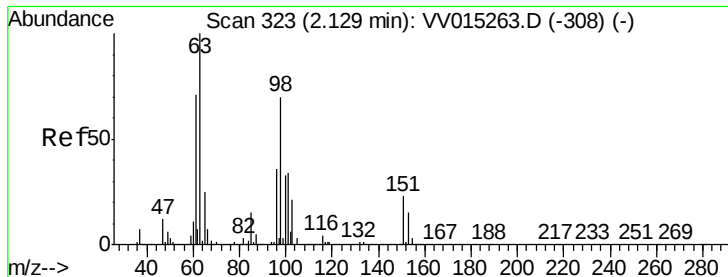
Tgt Ion: 101 Resp: 33063

Ion Ratio Lower Upper

101 100

103 64.3 50.7 76.1





#10

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

Concen: 6.580 ug/L

RT: 2.13 min Scan# 323

Delta R.T. 0.00 min

Lab File: VV015261.D

Acq: 30 Mar 2020 08:57

Instrument :

MSVOA_V

ClientSampled :

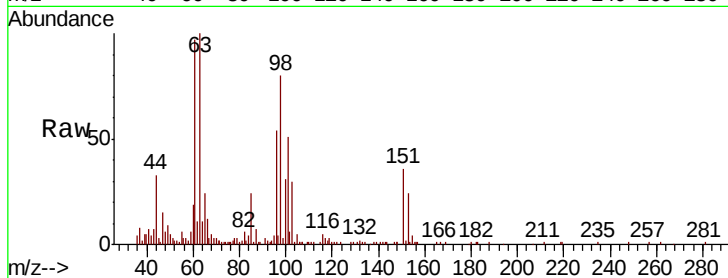
Tot Ion:101 Resp: 19595

Ion Ratio Lower Upper

101 100

85 40.7 35.4 53.0

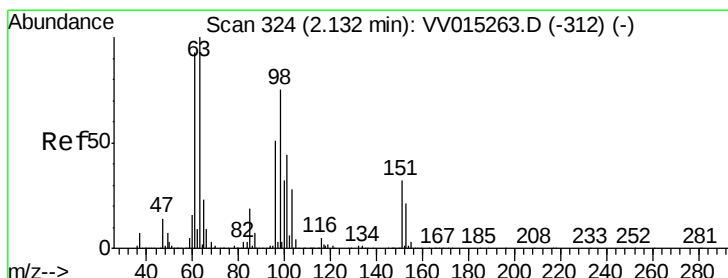
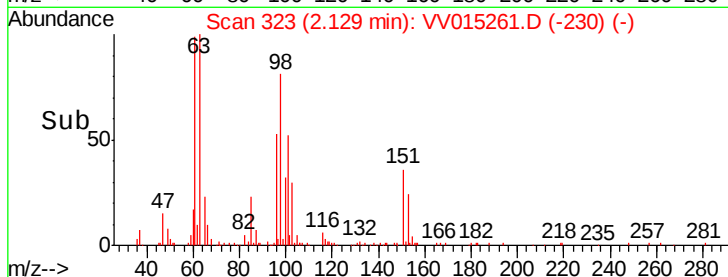
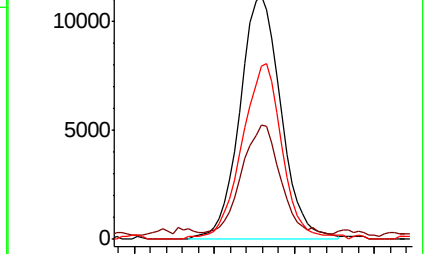
151 70.2 56.6 84.8



Abundance Ion 101.00 (100.70 to 101.70): VV015263.D (-308) (-)

Ion 85.00 (84.70 to 85.70): VV015263.D (-308) (-)

Ion 151.00 (150.70 to 151.70): VV015263.D (-308) (-)



#12

1,1-Dichloroethene

Concen: 5.698 ug/L

RT: 2.13 min Scan# 324

Delta R.T. 0.00 min

Lab File: VV015261.D

Acq: 30 Mar 2020 08:57

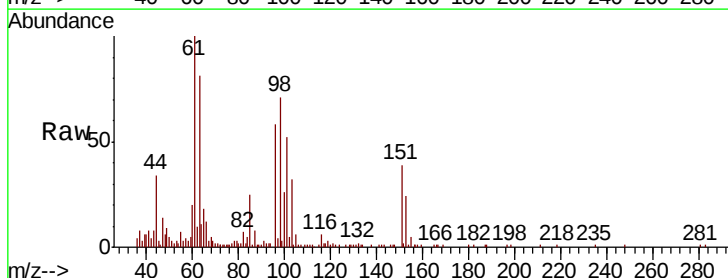
Tgt Ion: 96 Resp: 16875

Ion Ratio Lower Upper

96 100

61 172.6 128.2 238.2

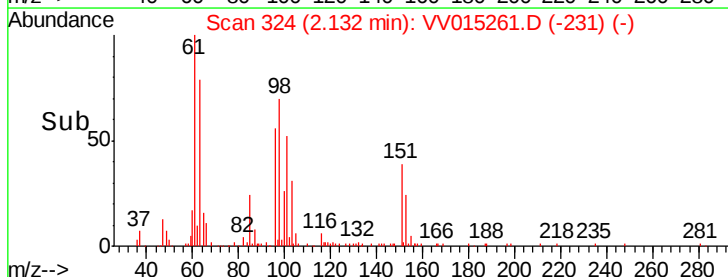
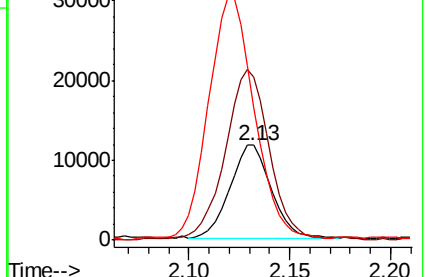
63 140.1 140.3 260.5#

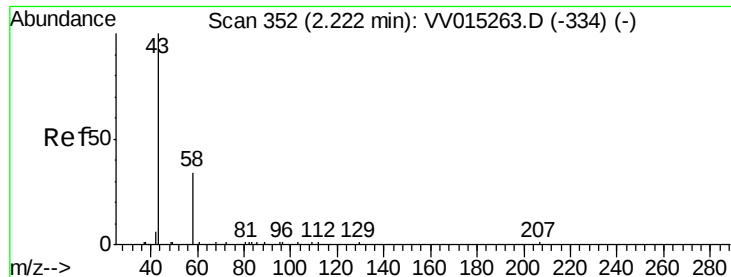


Abundance Ion 96.00 (95.70 to 96.70): VV015263.D (-312) (-)

Ion 61.00 (60.70 to 61.70): VV015263.D (-312) (-)

Ion 63.00 (62.70 to 63.70): VV015263.D (-312) (-)





#13

Acetone

Concen: 17.257 ug/L

RT: 2.22 min Scan# 350

Delta R.T. -0.01 min

Lab File: VV015261.D

Acq: 30 Mar 2020 08:57

Instrument :

MSVOA_V

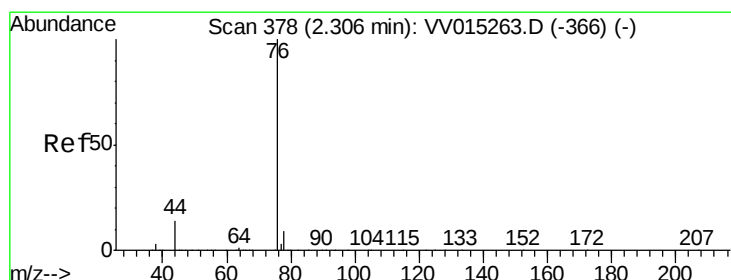
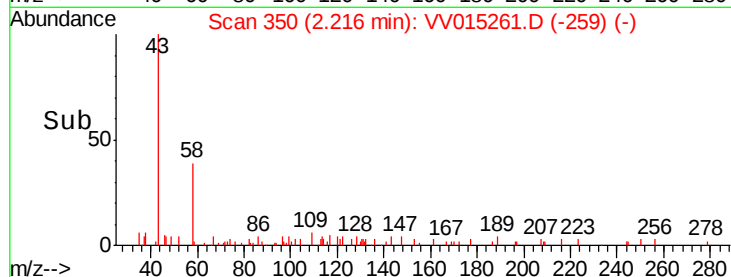
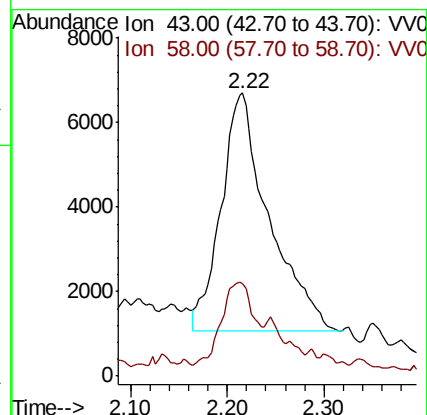
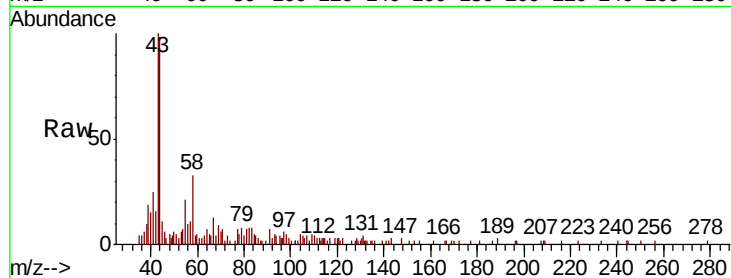
ClientSampleId :

Tot Ion: 43 Resp: 19282

Ion Ratio Lower Upper

43 100

58 20.6 0.0 37.8



#14

Carbon disulfide

Concen: 5.878 ug/L

RT: 2.31 min Scan# 378

Delta R.T. 0.00 min

Lab File: VV015261.D

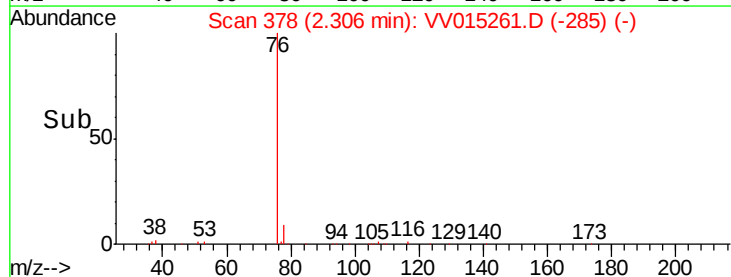
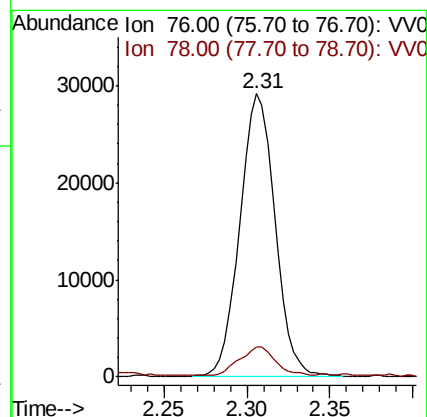
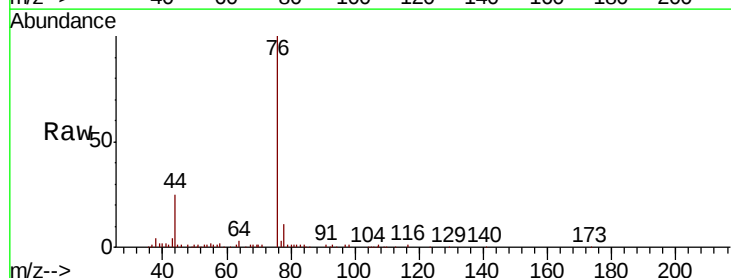
Acq: 30 Mar 2020 08:57

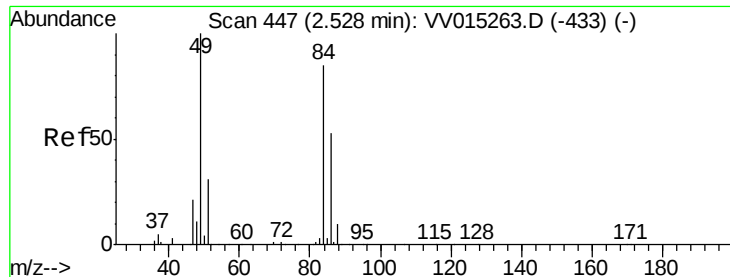
Tgt Ion: 76 Resp: 43246

Ion Ratio Lower Upper

76 100

78 10.6 7.4 11.2

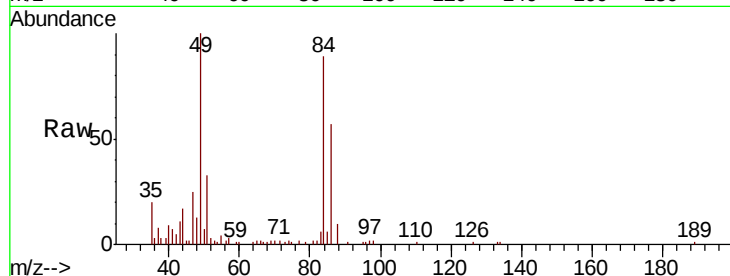




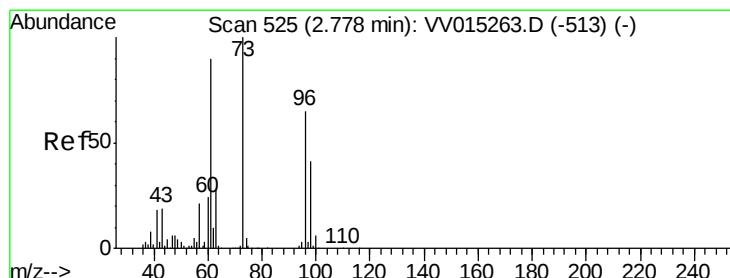
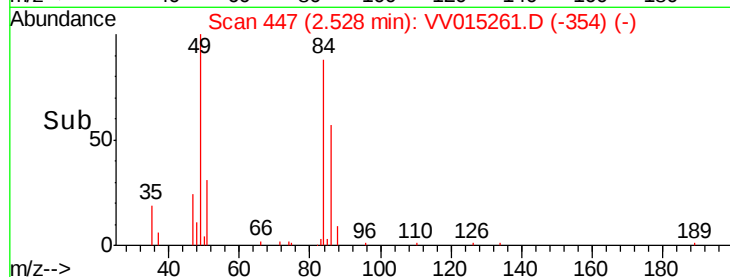
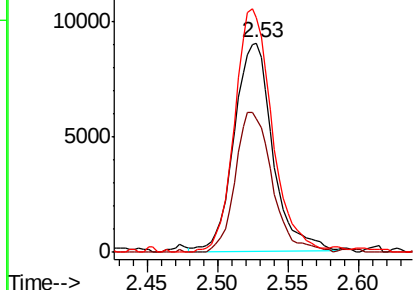
#16
Methylene chloride
Concen: 5.990 ug/L
RT: 2.53 min Scan# 447
Delta R.T. 0.00 min
Lab File: VV015261.D
Acq: 30 Mar 2020 08:57

Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 84 Resp: 17354
Ion Ratio Lower Upper
84 100
86 64.0 43.9 81.5
49 112.0 82.4 153.0

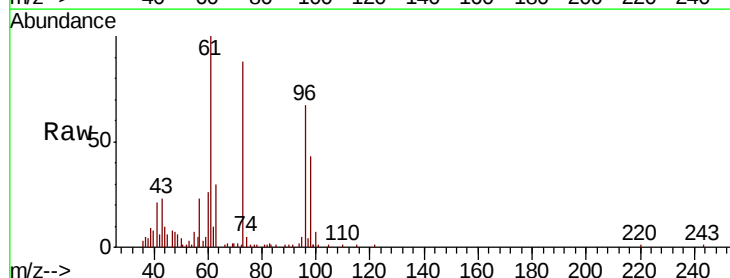


Abundance Ion 84.00 (83.70 to 84.70): VV0
Ion 86.00 (85.70 to 86.70): VV0
Ion 49.00 (48.70 to 49.70): VV0

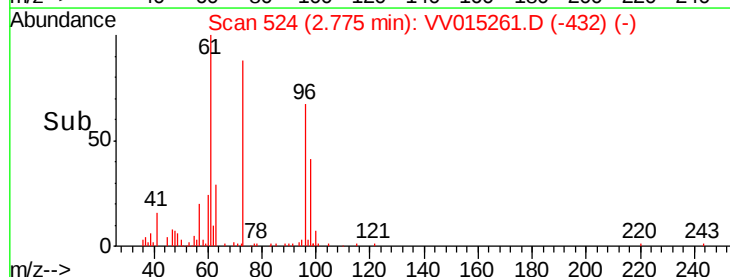
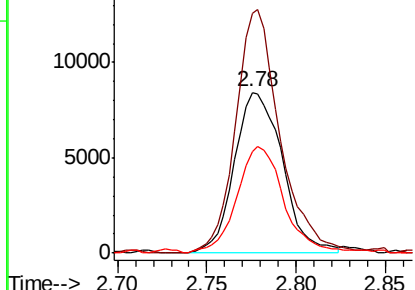


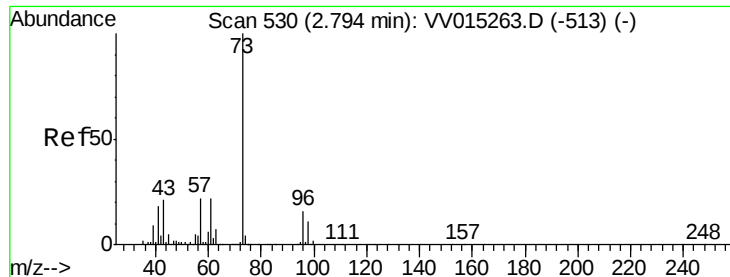
#17
trans-1,2-Dichloroethene
Concen: 6.238 ug/L
RT: 2.78 min Scan# 524
Delta R.T. -0.00 min
Lab File: VV015261.D
Acq: 30 Mar 2020 08:57

Tgt Ion: 96 Resp: 15888
Ion Ratio Lower Upper
96 100
61 148.7 97.6 181.2
98 63.4 44.5 82.7



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

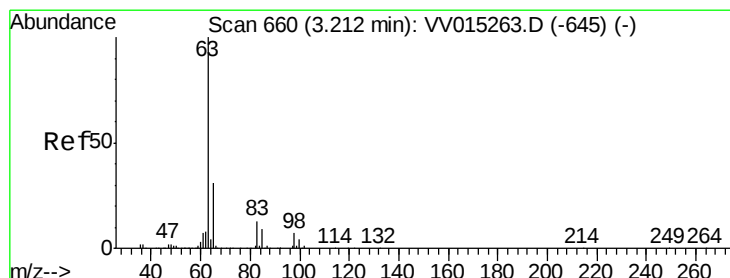
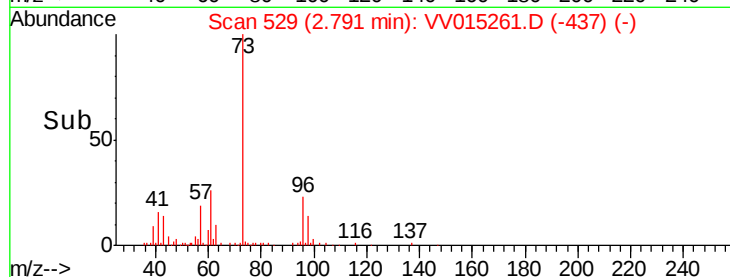
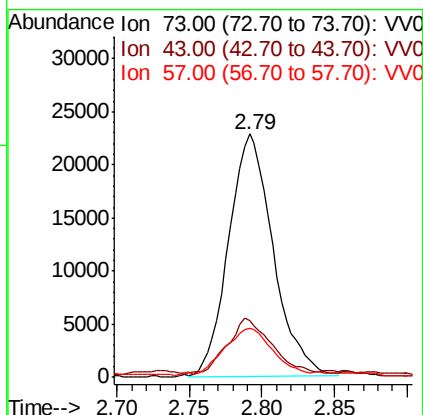
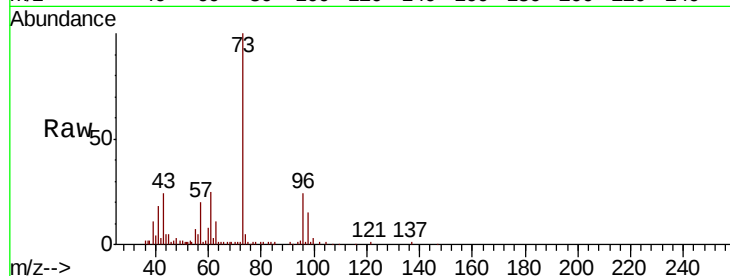




#18
Methvl tert-butvl Ether
Concen: 5.613 ug/L
RT: 2.79 min Scan# 529
Delta R.T. -0.00 min
Lab File: VV015261.D
Acq: 30 Mar 2020 08:57

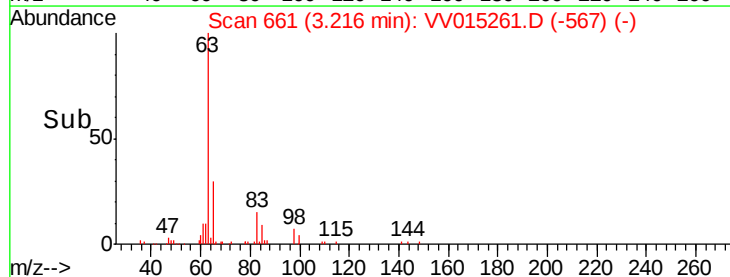
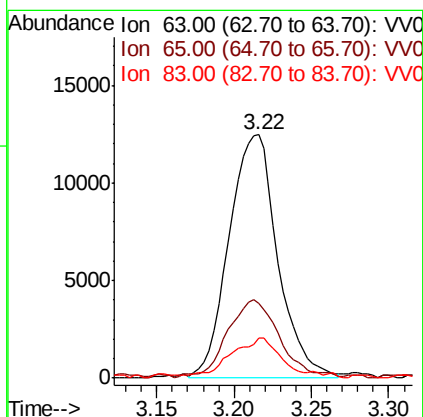
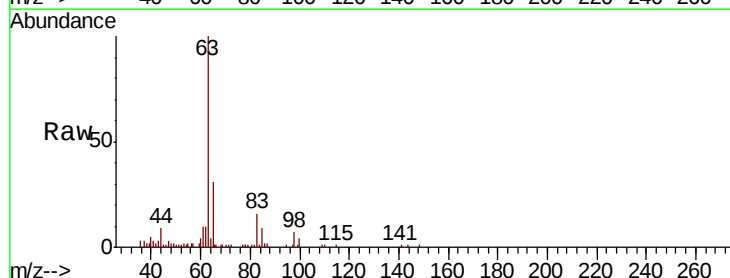
Instrument :
MSVOA_V
ClientSampleId :

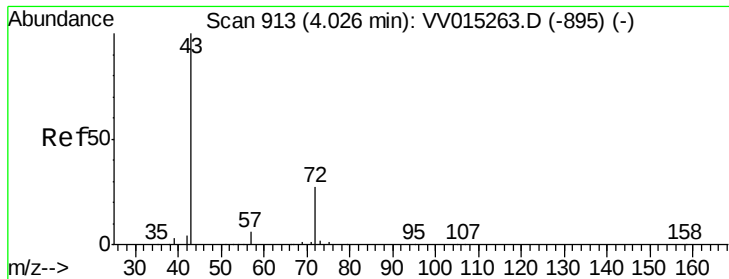
Tot Ion: 73 Resp: 48806
Ion Ratio Lower Upper
73 100
43 21.4 15.9 23.9
57 19.9 17.4 26.2



#19
1,1-Dichloroethane
Concen: 5.727 ug/L
RT: 3.22 min Scan# 661
Delta R.T. 0.00 min
Lab File: VV015261.D
Acq: 30 Mar 2020 08:57

Tgt Ion: 63 Resp: 27305
Ion Ratio Lower Upper
63 100
65 30.6 21.5 39.9
83 16.3 9.4 17.6





#22

2-Butanone

Concen: 5.567 ug/L

RT: 4.05 min Scan# 921

Delta R.T. 0.03 min

Lab File: VV015261.D

Acq: 30 Mar 2020 08:57

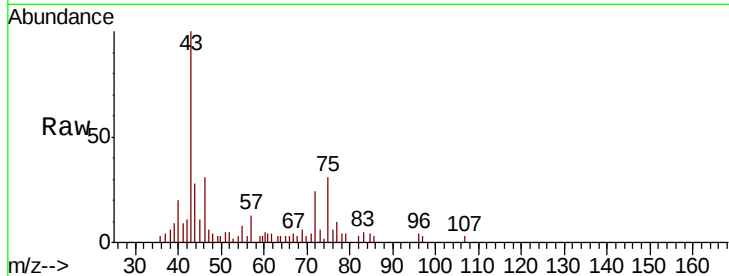
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 43 Resp: 10057

Ion Ratio Lower Upper

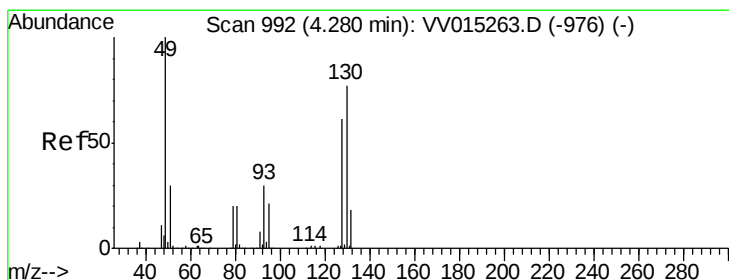
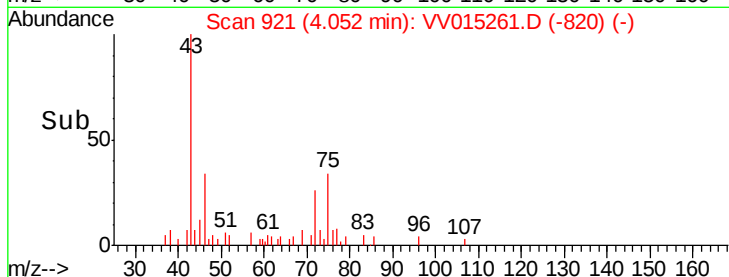
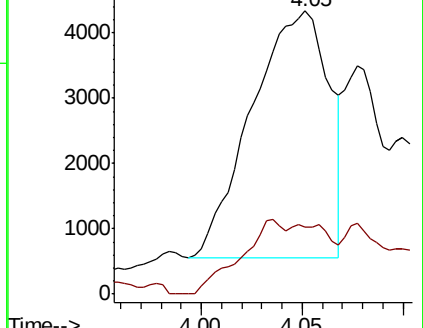
43 100

72 17.5 10.3 30.9



Abundance Ion 43.00 (42.70 to 43.70): VV015261.D (-895) (-)

Ion 72.00 (71.70 to 72.70): VV015261.D (-895) (-)



#23

Bromochloromethane

Concen: 5.673 ug/L

RT: 4.28 min Scan# 993

Delta R.T. 0.00 min

Lab File: VV015261.D

Acq: 30 Mar 2020 08:57

Tgt Ion:128 Resp: 8205

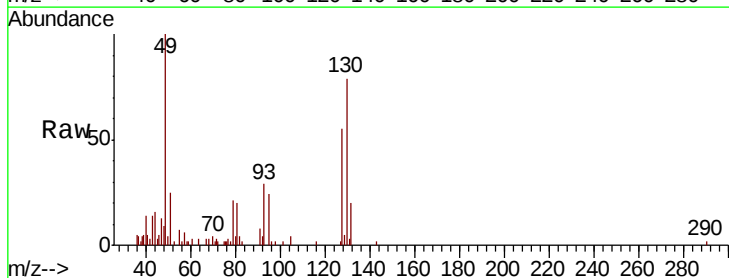
Ion Ratio Lower Upper

128 100

49 183.3 114.7 213.1

130 143.9 88.1 163.5

51 45.2 39.7 59.5

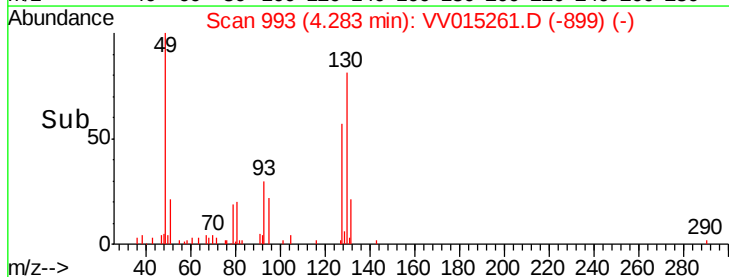
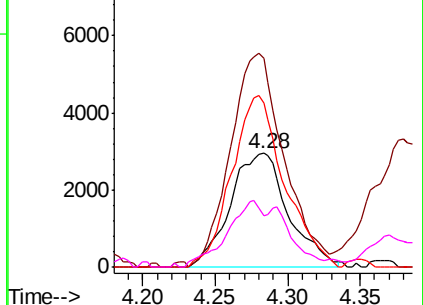


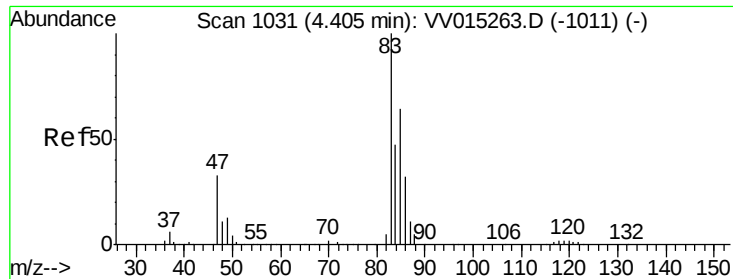
Abundance Ion 128.00 (127.70 to 128.70): VV015261.D (-899) (-)

Ion 49.00 (48.70 to 49.70): VV015261.D (-899) (-)

Ion 130.00 (129.70 to 130.70): VV015261.D (-899) (-)

Ion 51.00 (50.70 to 51.70): VV015261.D (-899) (-)

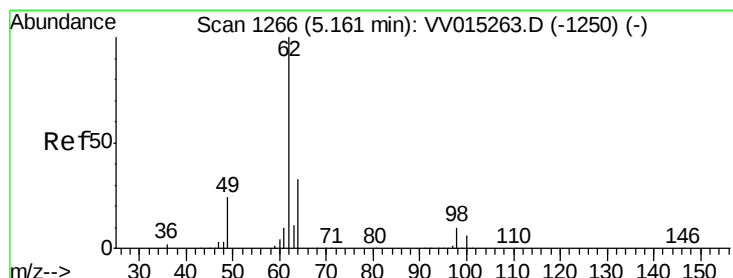
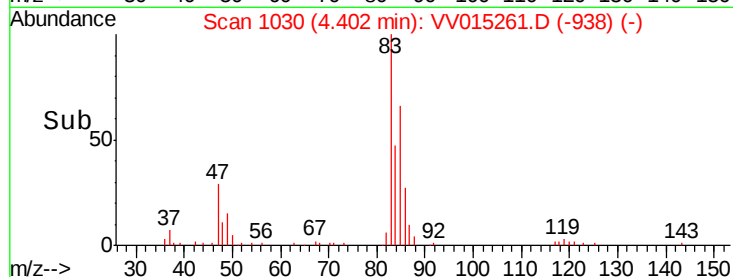
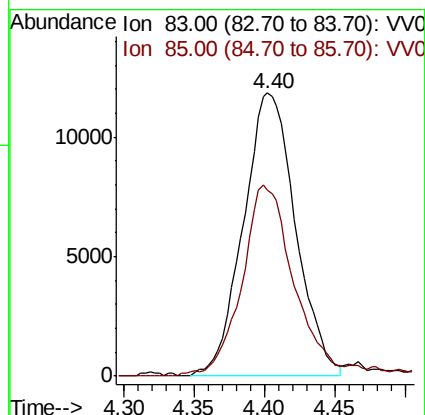
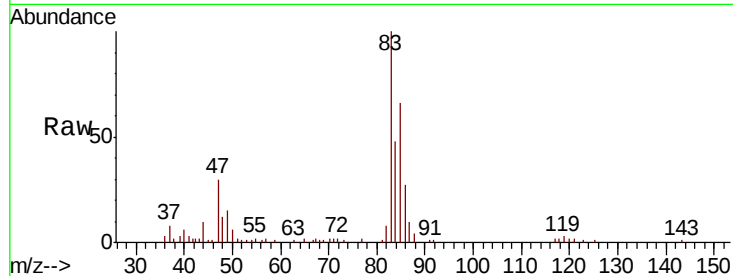




#25
Chloroform
Concen: 6.014 ug/L
RT: 4.40 min Scan# 1030
Delta R.T. -0.00 min
Lab File: VV015261.D
Acq: 30 Mar 2020 08:57

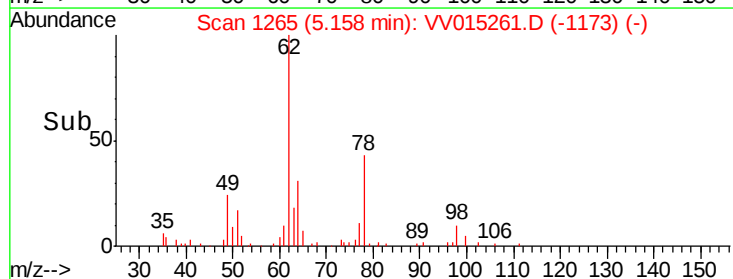
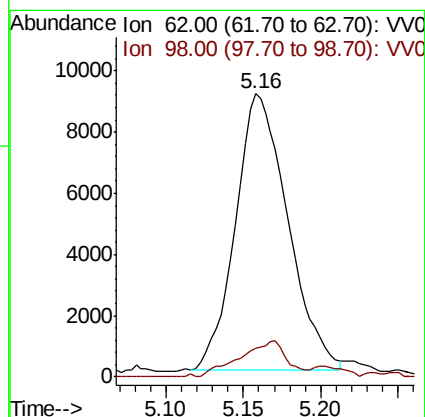
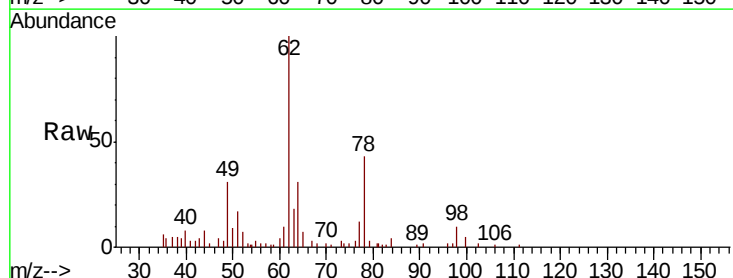
Instrument :
MSVOA_V
ClientSampled :

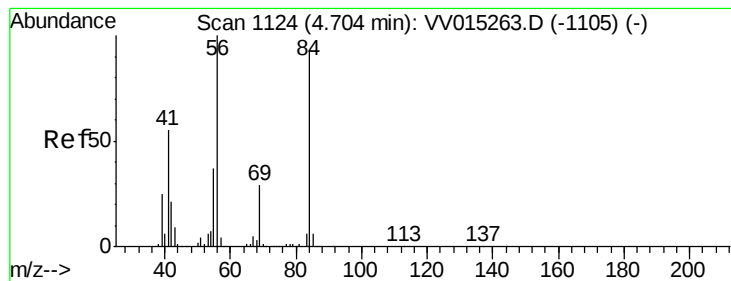
Tot Ion: 83 Resp: 30723
Ion Ratio Lower Upper
83 100
85 65.8 44.9 83.3



#27
1,2-Dichloroethane
Concen: 5.432 ug/L
RT: 5.16 min Scan# 1265
Delta R.T. -0.00 min
Lab File: VV015261.D
Acq: 30 Mar 2020 08:57

Tgt Ion: 62 Resp: 21205
Ion Ratio Lower Upper
62 100
98 9.9 7.6 11.4





#29

Cyclohexane

Concen: 5.922 ug/L

RT: 4.70 min Scan# 1123

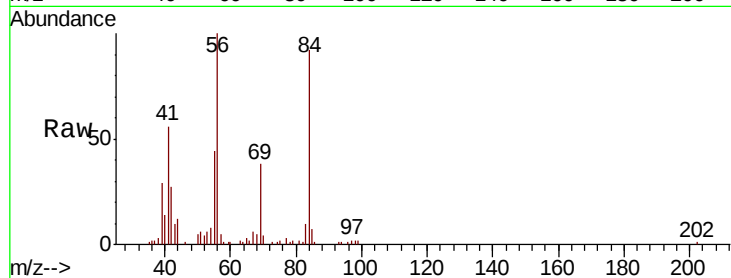
Delta R.T. -0.00 min

Lab File: VV015261.D

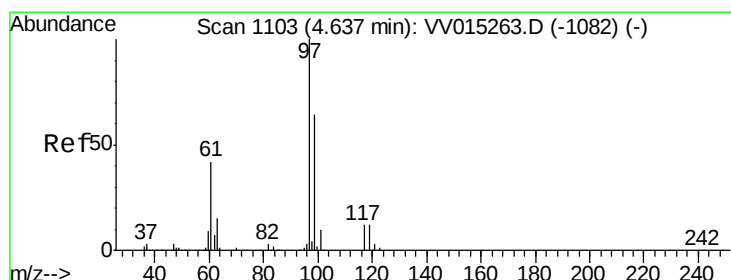
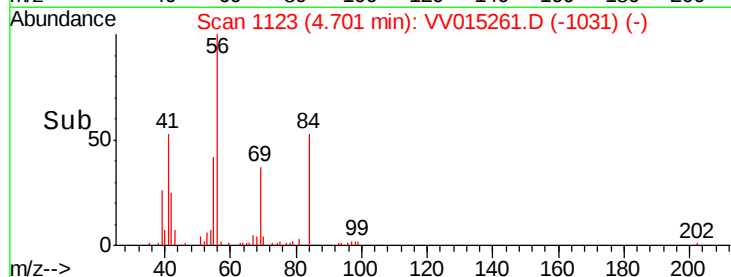
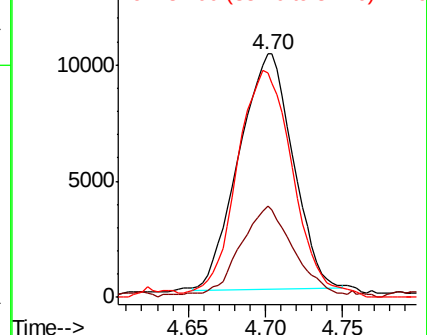
Acq: 30 Mar 2020 08:57

Instrument :
MSVOA_V
ClientSampled :

Tot Ion:	56	Resp:	24621
Ion	Ratio	Lower	Upper
56	100		
69	34.9	13.8	20.6#
84	100.1	73.4	110.0



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: 6.091 ug/L

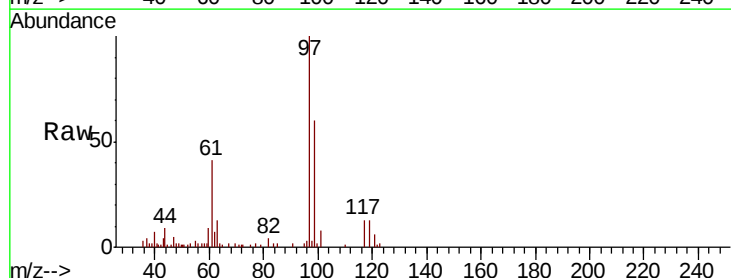
RT: 4.63 min Scan# 1101

Delta R.T. -0.01 min

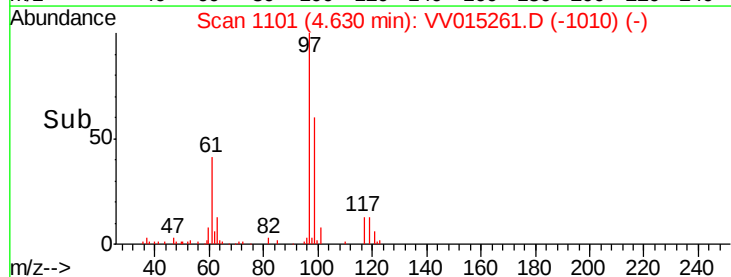
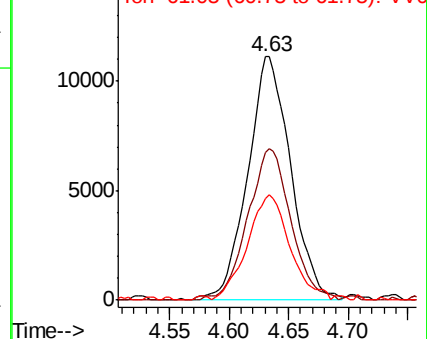
Lab File: VV015261.D

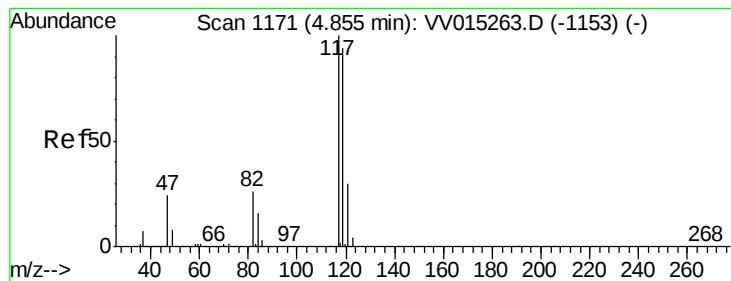
Acq: 30 Mar 2020 08:57

Tgt Ion:	97	Resp:	27813
Ion	Ratio	Lower	Upper
97	100		
99	62.1	50.8	76.2
61	42.9	34.2	51.4



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: 6.151 ug/L

RT: 4.85 min Scan# 1168

Delta R.T. -0.01 min

Lab File: VV015261.D

Acq: 30 Mar 2020 08:57

Instrument :

MSVOA_V

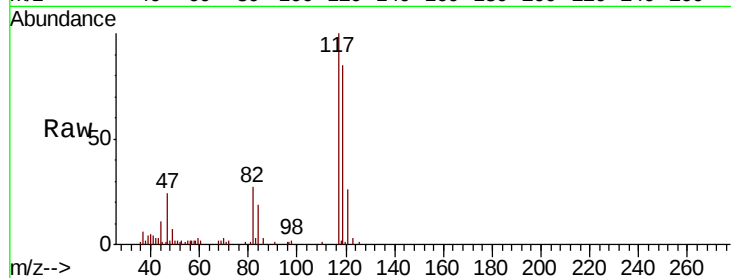
ClientSampleId :

Tot Ion:117 Resp: 23612

Ion Ratio Lower Upper

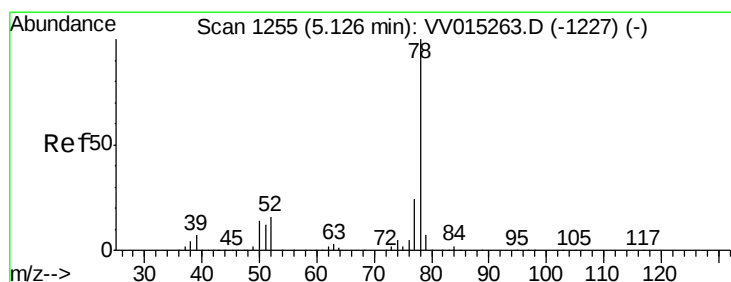
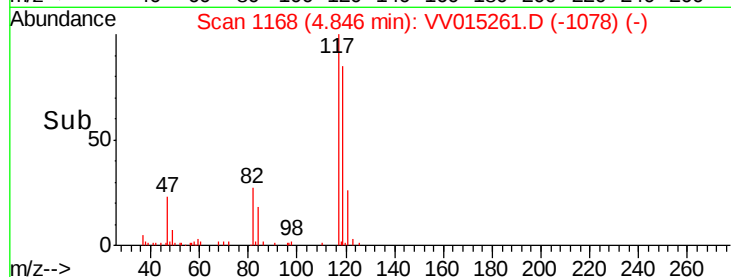
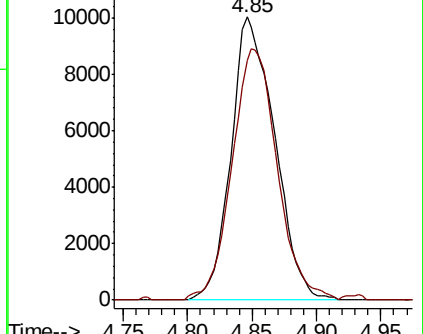
117 100

119 92.0 77.4 116.2



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#33

Benzene

Concen: 5.681 ug/L

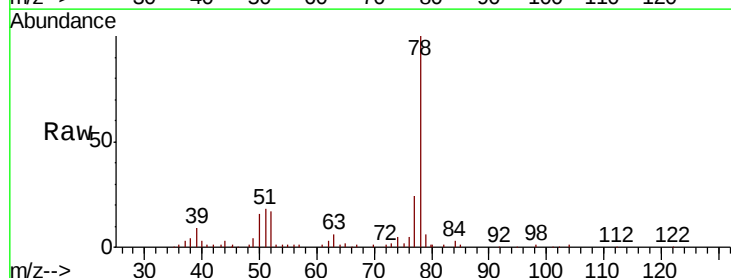
RT: 5.13 min Scan# 1255

Delta R.T. 0.00 min

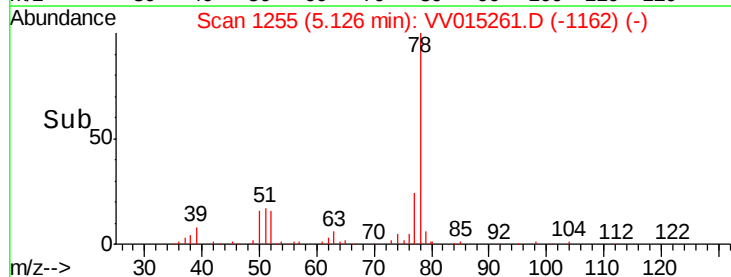
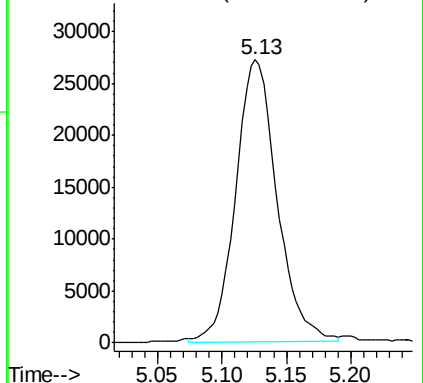
Lab File: VV015261.D

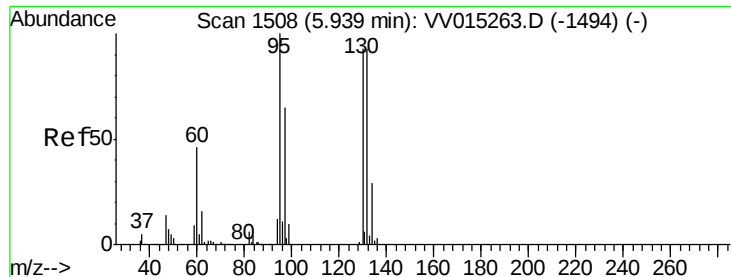
Acq: 30 Mar 2020 08:57

Tgt Ion: 78 Resp: 60693



Abundance Ion 78.00 (77.70 to 78.70): VV0





#34

Trichloroethene

Concen: 6.239 ug/L

RT: 5.94 min Scan# 1507

Delta R.T. -0.00 min

Lab File: VV015261.D

Acq: 30 Mar 2020 08:57

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 95 Resp: 17892

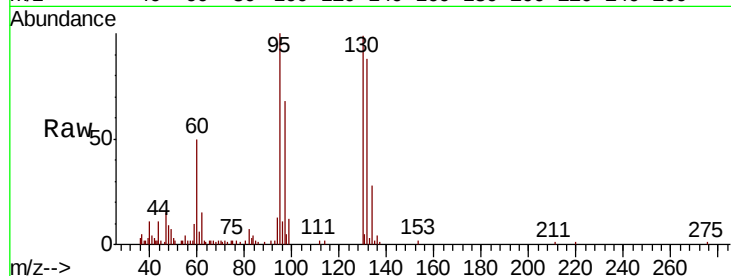
Ion Ratio Lower Upper

95 100

97 68.4 45.4 84.4

132 88.1 64.8 120.4

130 99.1 65.1 120.9

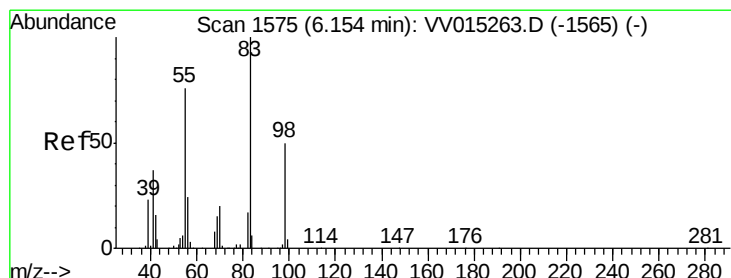
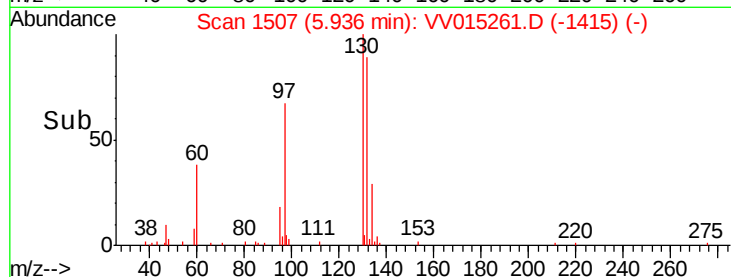
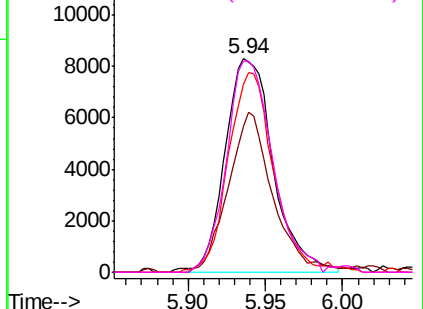


Abundance Ion 95.00 (94.70 to 95.70): VV0

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: 6.253 ug/L

RT: 6.15 min Scan# 1575

Delta R.T. 0.00 min

Lab File: VV015261.D

Acq: 30 Mar 2020 08:57

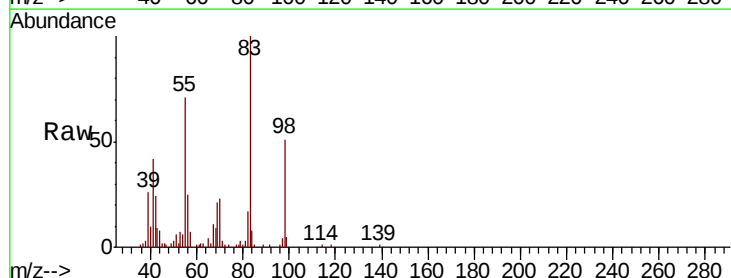
Tgt Ion: 83 Resp: 27298

Ion Ratio Lower Upper

83 100

55 72.3 58.4 87.6

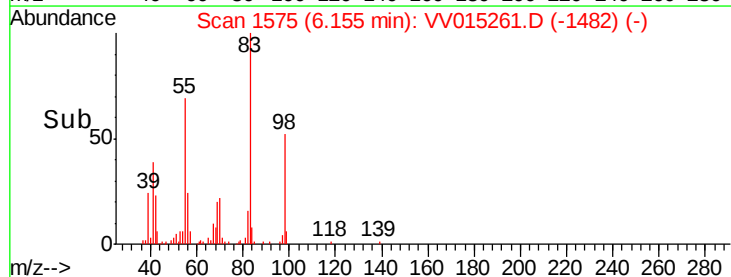
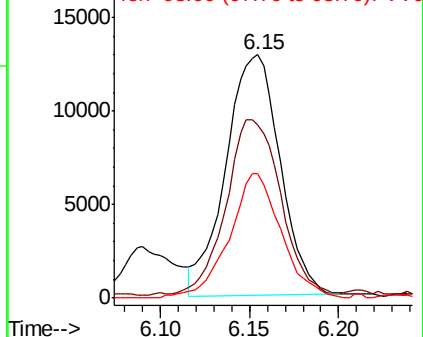
98 49.6 39.0 58.4

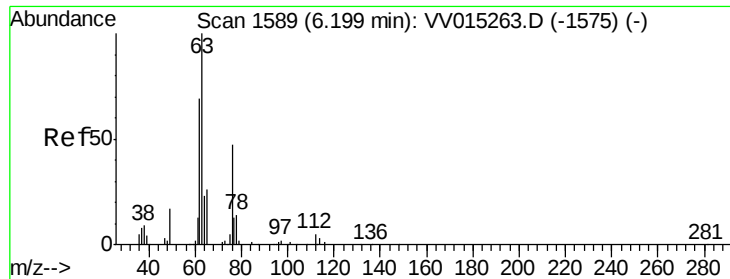


Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 55.00 (54.70 to 55.70): VV0

Ion 98.00 (97.70 to 98.70): VV0

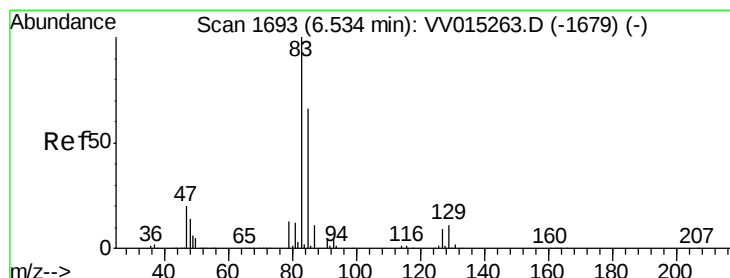
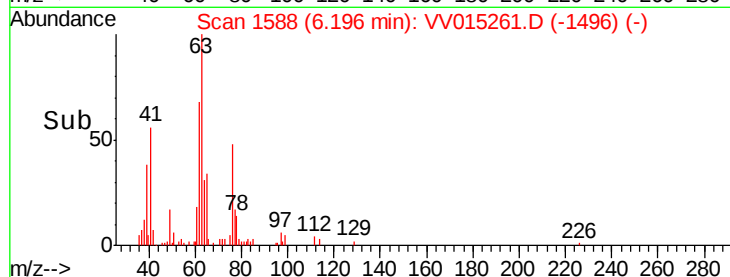
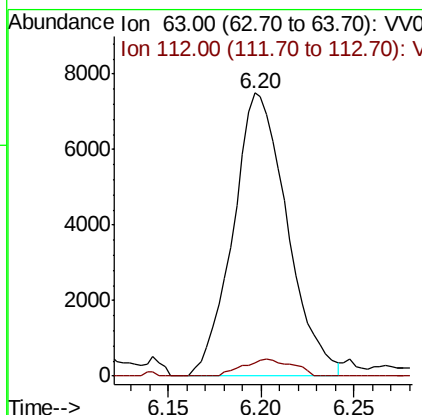
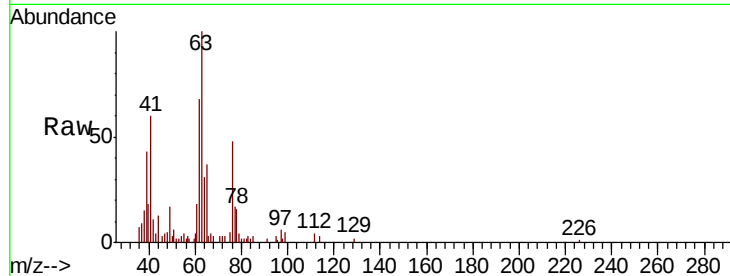




#37
 1,2-Dichloropropane
 Concen: 5.689 ug/L
 RT: 6.20 min Scan# 1588
 Delta R.T. -0.00 min
 Lab File: VV015261.D
 Acq: 30 Mar 2020 08:57

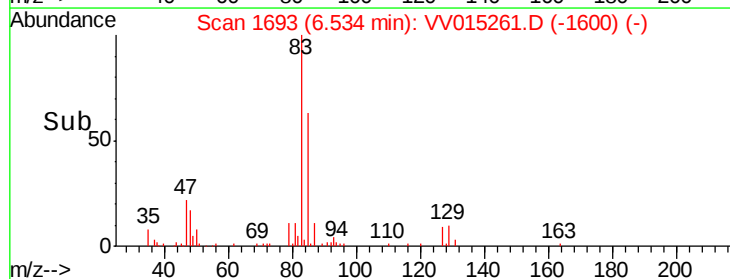
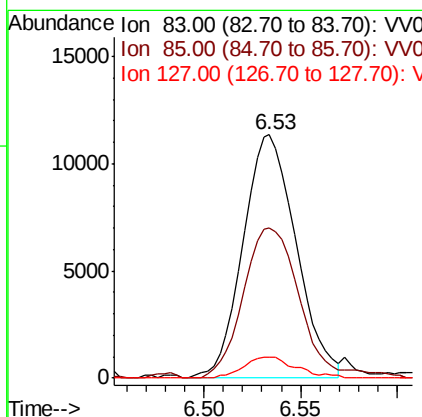
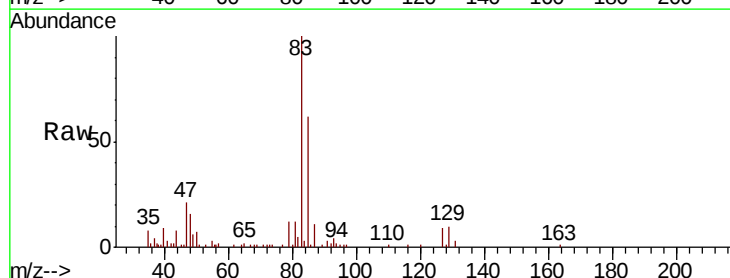
Instrument :
 MSVOA_V
 ClientSampleId :

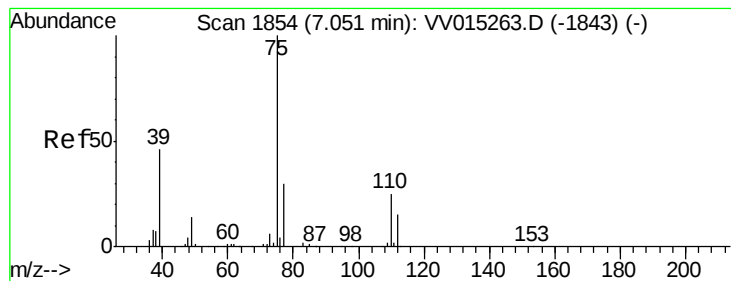
Tot Ion: 63 Resp: 15257
 Ion Ratio Lower Upper
 63 100
 112 5.6 3.3 4.9#



#38
 Bromodichloromethane
 Concen: 5.477 ug/L
 RT: 6.53 min Scan# 1693
 Delta R.T. 0.00 min
 Lab File: VV015261.D
 Acq: 30 Mar 2020 08:57

Tgt Ion: 83 Resp: 21656
 Ion Ratio Lower Upper
 83 100
 85 61.5 46.3 85.9
 127 8.7 6.8 10.2



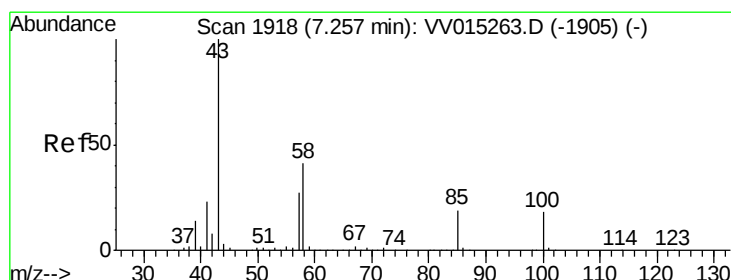
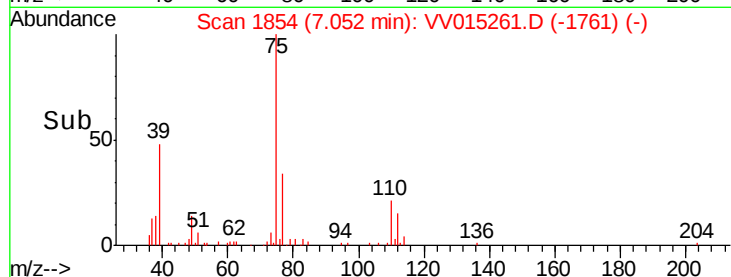
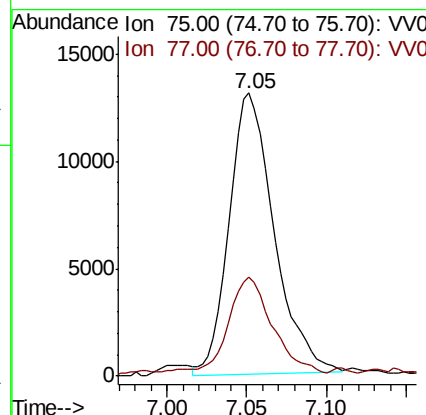
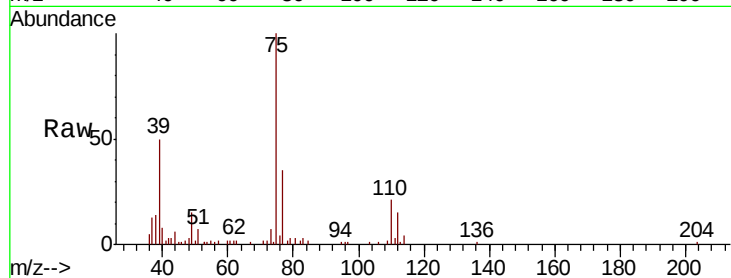


#39

cis-1,3-Dichloropropene
 Concen: 5.573 ug/L
 RT: 7.05 min Scan# 1854
 Delta R.T. 0.00 min
 Lab File: VV015261.D
 Acq: 30 Mar 2020 08:57

Instrument :
 MSVOA_V
 ClientSampleId :

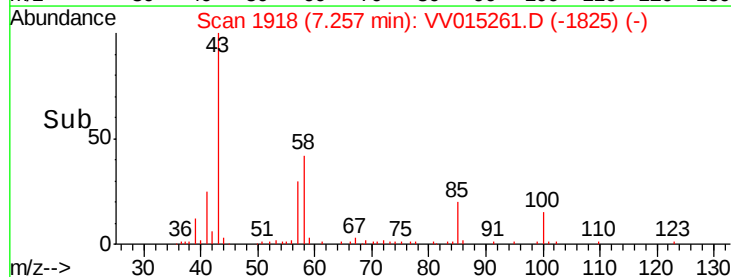
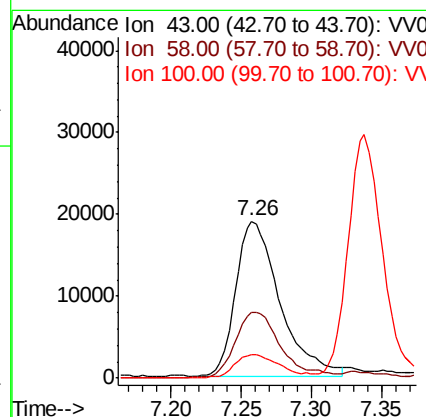
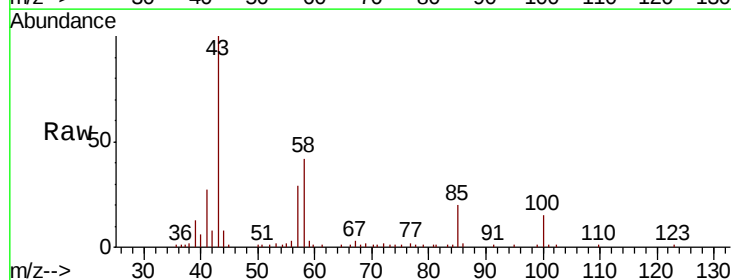
Tot Ion: 75 Resp: 25140
 Ion Ratio Lower Upper
 75 100
 77 34.8 22.0 40.8

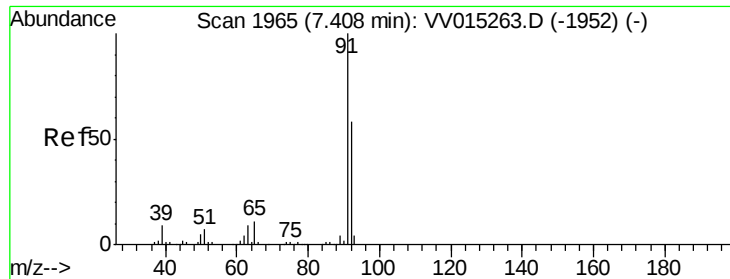


#40

4-Methyl-2-pentanone
 Concen: 10.541 ug/L
 RT: 7.26 min Scan# 1918
 Delta R.T. 0.00 min
 Lab File: VV015261.D
 Acq: 30 Mar 2020 08:57

Tgt Ion: 43 Resp: 41635
 Ion Ratio Lower Upper
 43 100
 58 40.9 33.0 49.6
 100 14.0 13.5 20.3





#42

Toluene

Concen: 5.731 ug/L

RT: 7.41 min Scan# 1966

Delta R.T. 0.00 min

Lab File: VV015261.D

Acq: 30 Mar 2020 08:57

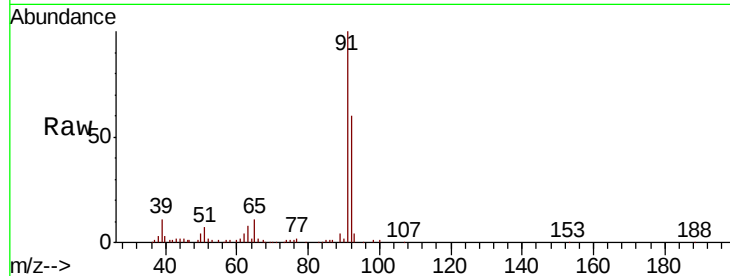
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 91 Resp: 67633

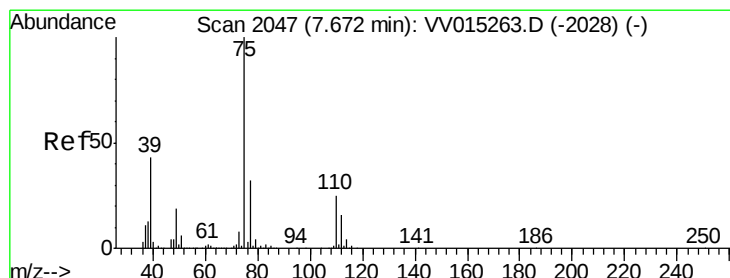
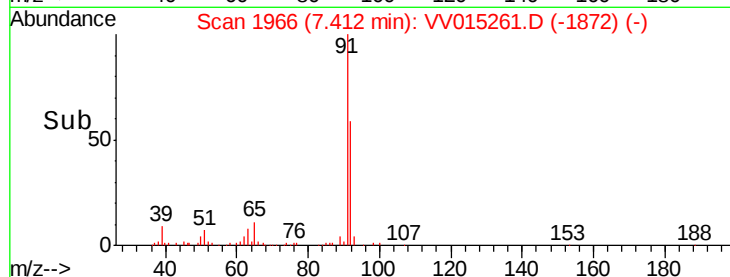
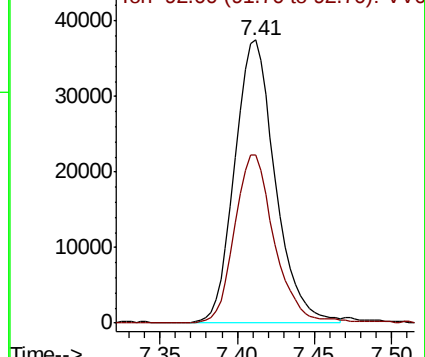
Ion Ratio Lower Upper

91 100

92 59.5 40.3 74.8



Abundance Ion 91.00 (90.70 to 91.70): VV015263.D (-1952) (-)



#44

trans-1,3-Dichloropropene

Concen: 5.714 ug/L

RT: 7.68 min Scan# 2048

Delta R.T. 0.00 min

Lab File: VV015261.D

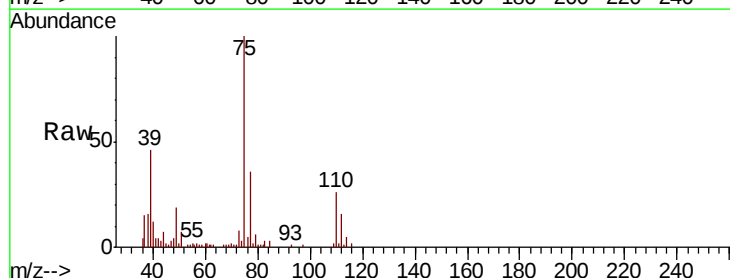
Acq: 30 Mar 2020 08:57

Tgt Ion: 75 Resp: 24820

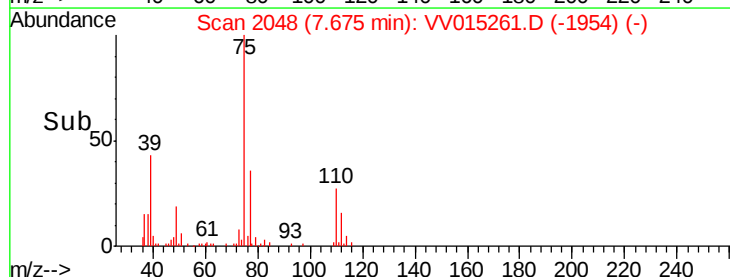
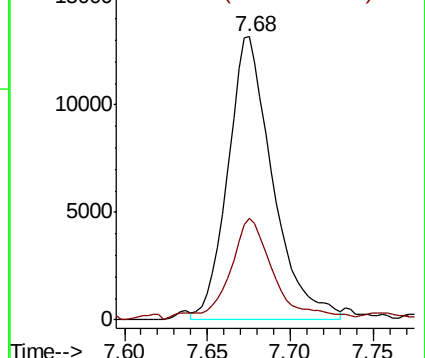
Ion Ratio Lower Upper

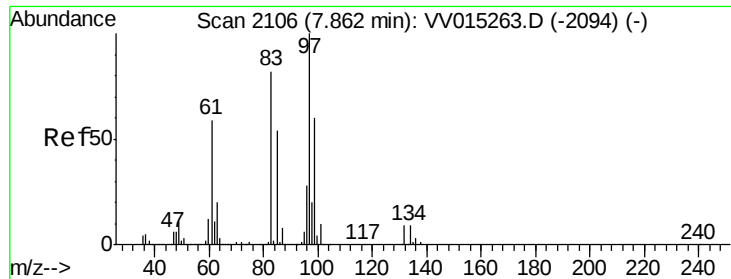
75 100

77 36.1 22.3 41.3



Abundance Ion 75.00 (74.70 to 75.70): VV015263.D (-2028) (-)

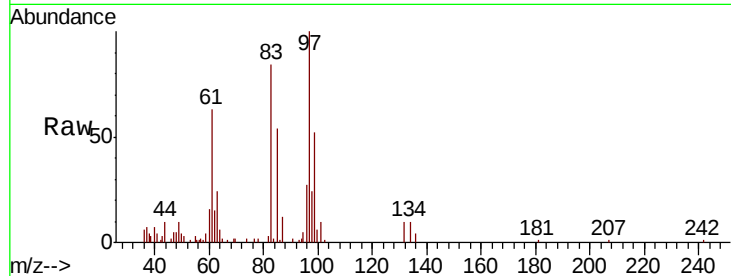




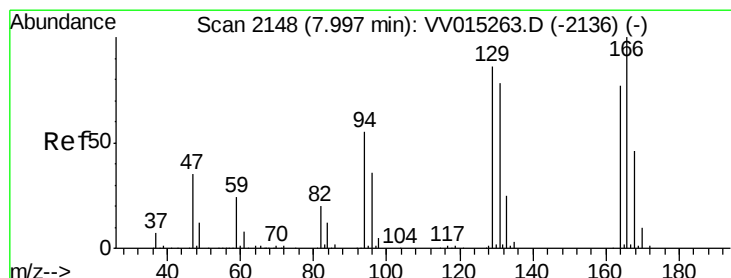
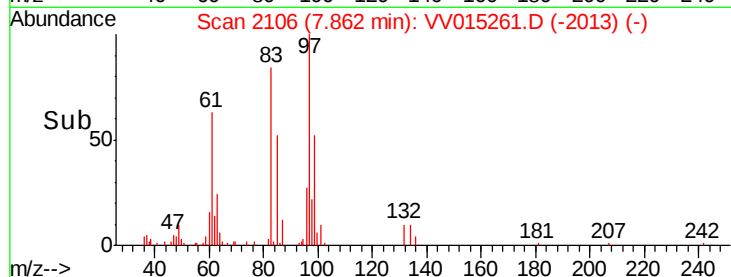
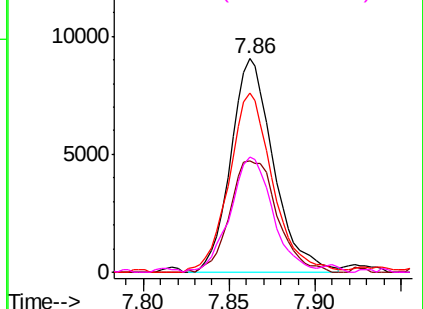
#45
1,1,2-Trichloroethane
Concen: 5.792 ug/L
RT: 7.86 min Scan# 2106
Delta R.T. 0.00 min
Lab File: VV015261.D
Acq: 30 Mar 2020 08:57

Instrument :
MSVOA_V
ClientSampled :

Tot Ion:	97	Resp:	15699
Ion	Ratio	Lower	Upper
97	100		
99	52.4	41.6	77.3
83	83.8	57.7	107.1
85	54.0	37.7	70.1

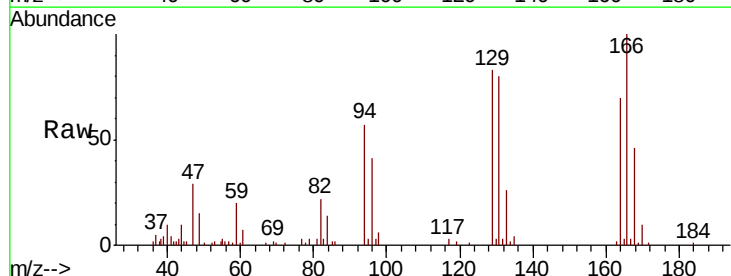


Abundance Ion 97.00 (96.70 to 97.70): VV015261.D (-2094) (-)
Ion 99.00 (98.70 to 99.70): VV015261.D (-2094) (-)
Ion 83.00 (82.70 to 83.70): VV015261.D (-2094) (-)
Ion 85.00 (84.70 to 85.70): VV015261.D (-2094) (-)

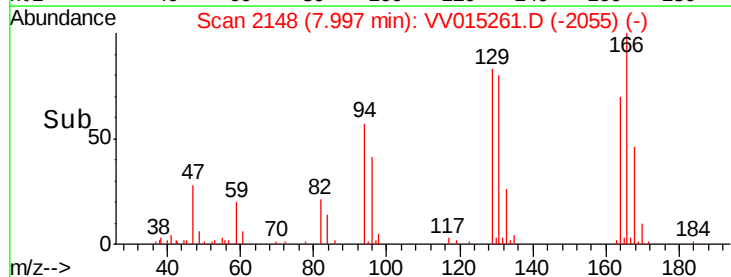
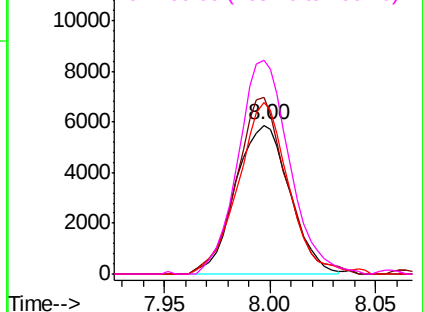


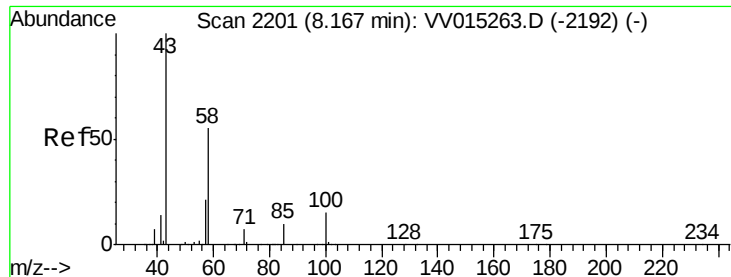
#46
Tetrachloroethene
Concen: 5.711 ug/L
RT: 8.00 min Scan# 2148
Delta R.T. 0.00 min
Lab File: VV015261.D
Acq: 30 Mar 2020 08:57

Tgt Ion:	164	Resp:	10515
Ion	Ratio	Lower	Upper
164	100		
129	119.0	78.0	144.9
131	115.2	71.3	132.3
166	147.6	90.9	168.7



Abundance Ion 164.00 (163.70 to 164.70): VV015261.D (-2055) (-)
Ion 129.00 (128.70 to 129.70): VV015261.D (-2055) (-)
Ion 131.00 (130.70 to 131.70): VV015261.D (-2055) (-)
Ion 166.00 (165.70 to 166.70): VV015261.D (-2055) (-)

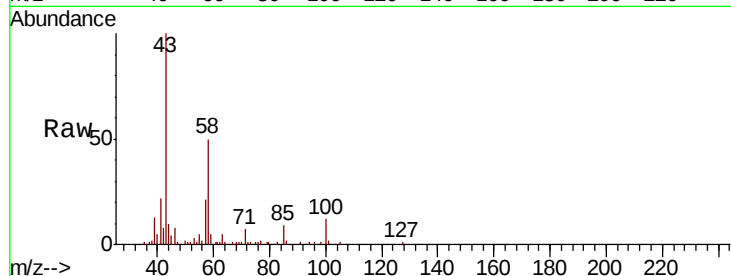




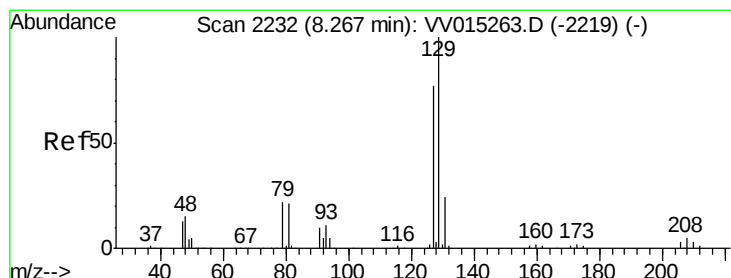
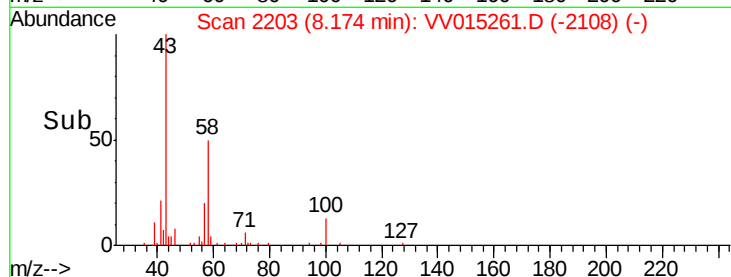
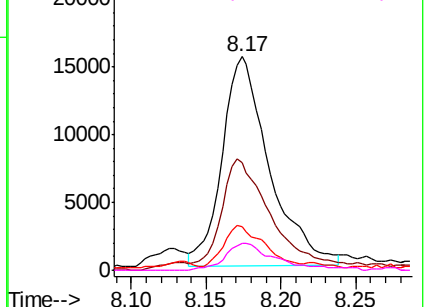
#48
2-Hexanone
Concen: 11.233 ug/L
RT: 8.17 min Scan# 2203
Delta R.T. 0.01 min
Lab File: VV015261.D
Acq: 30 Mar 2020 08:57

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 43 Resp: 34080
Ion Ratio Lower Upper
43 100
58 52.9 45.7 68.5
57 18.1 15.0 22.4
100 13.3 11.1 16.7

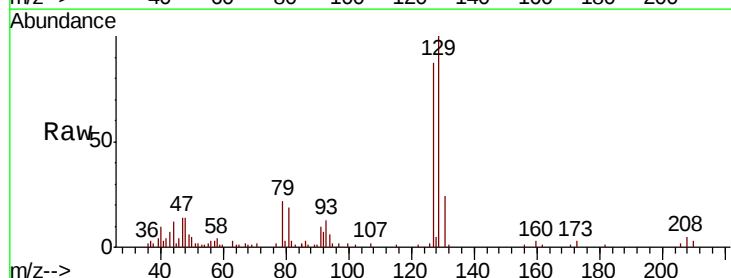


Abundance Ion 43.00 (42.70 to 43.70): VV015261.D (-2108) (-)
Ion 58.00 (57.70 to 58.70): VV015261.D (-2108) (-)
Ion 57.00 (56.70 to 57.70): VV015261.D (-2108) (-)
Ion 100.00 (99.70 to 100.70): VV015261.D (-2108) (-)

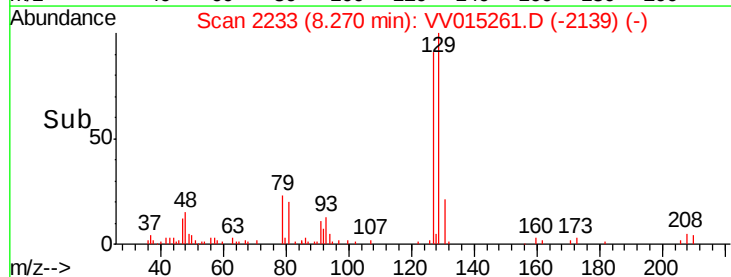
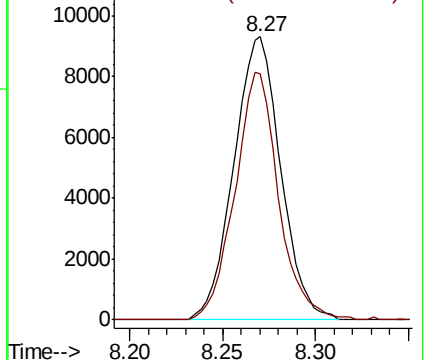


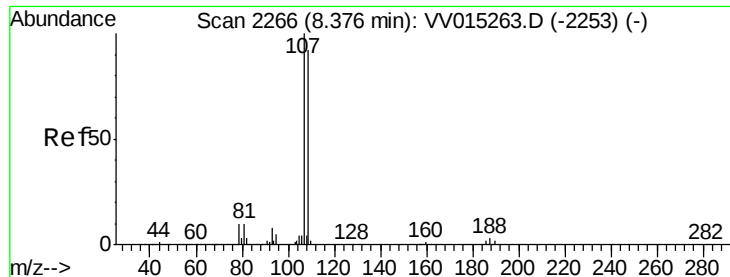
#49
Dibromochloromethane
Concen: 5.584 ug/L
RT: 8.27 min Scan# 2233
Delta R.T. 0.00 min
Lab File: VV015261.D
Acq: 30 Mar 2020 08:57

Tgt Ion: 129 Resp: 16340
Ion Ratio Lower Upper
129 100
127 86.9 54.2 100.6



Abundance Ion 129.00 (128.70 to 129.70): VV015261.D (-2139) (-)
Ion 127.00 (126.70 to 127.70): VV015261.D (-2139) (-)

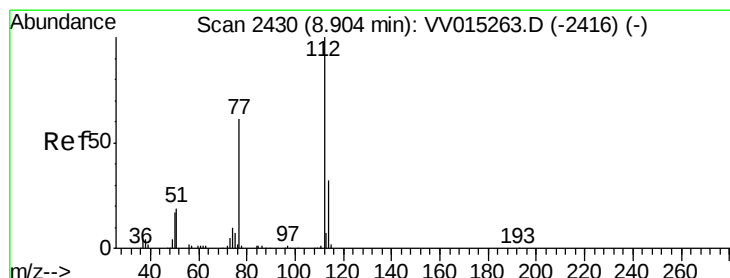
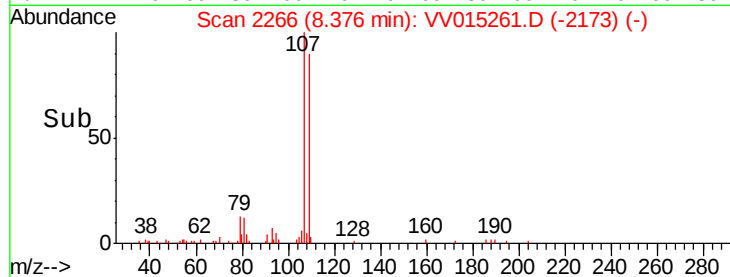
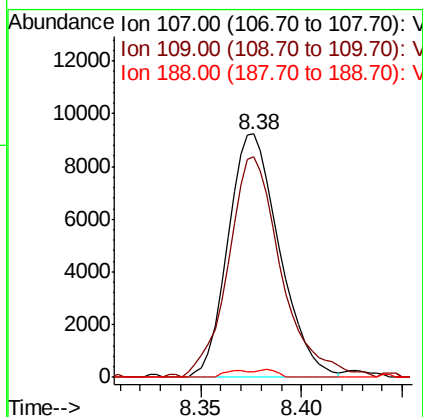
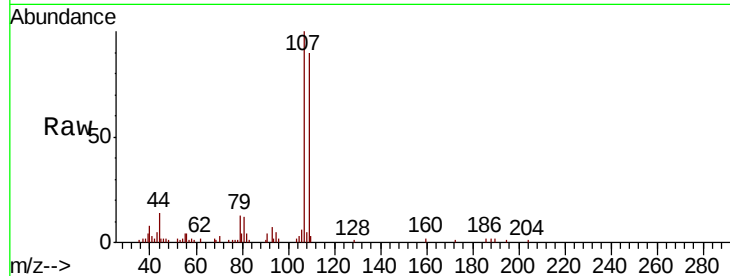




#50
1,2-Dibromoethane
Concen: 5.685 ug/L
RT: 8.38 min Scan# 2266
Delta R.T. 0.00 min
Lab File: VV015261.D
Acq: 30 Mar 2020 08:57

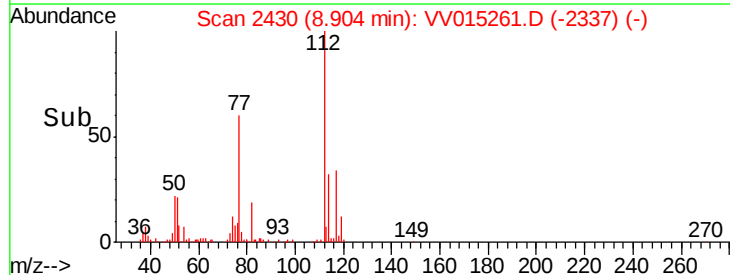
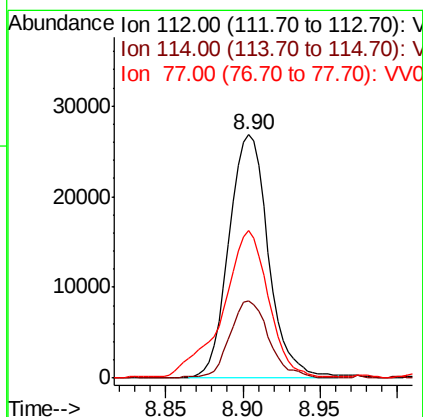
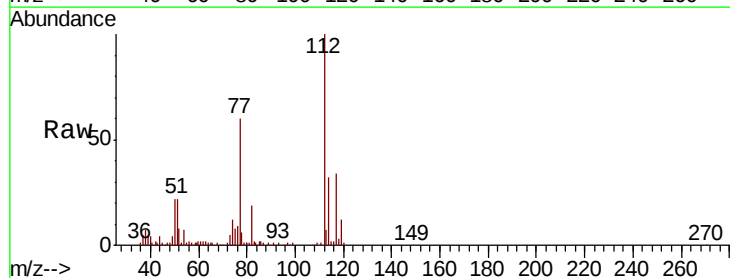
Instrument :
MSVOA_V
ClientSampleId :

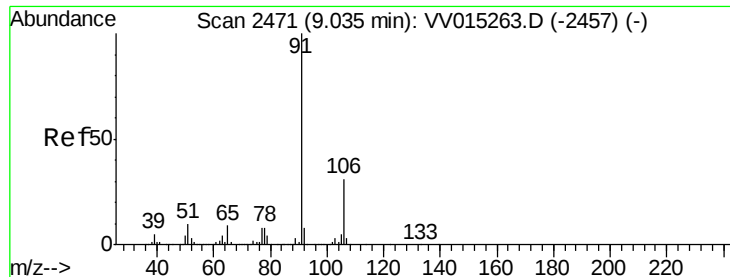
Tot Ion	Ratio	Lower	Upper
107	100		
109	90.5	64.3	119.3
188	2.4	2.2	3.2



#51
Chlorobenzene
Concen: 6.193 ug/L
RT: 8.90 min Scan# 2430
Delta R.T. 0.00 min
Lab File: VV015261.D
Acq: 30 Mar 2020 08:57

Tgt Ion	Ratio	Lower	Upper
112	100		
114	31.5	22.7	42.3
77	60.4	49.7	74.5





#52

Ethylbenzene

Concen: 5.813 ug/L

RT: 9.04 min Scan# 2471

Delta R.T. 0.00 min

Lab File: VV015261.D

Acq: 30 Mar 2020 08:57

Instrument :

MSVOA_V

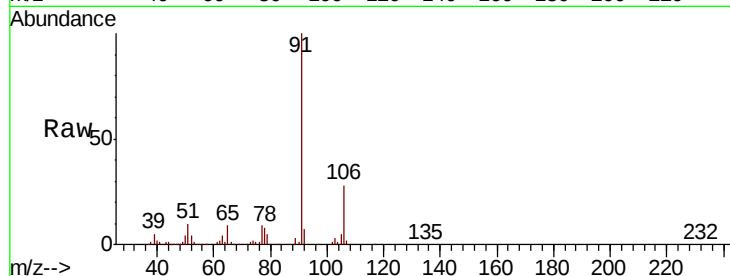
ClientSampled :

Tot Ion: 91 Resp: 77478

Ion Ratio Lower Upper

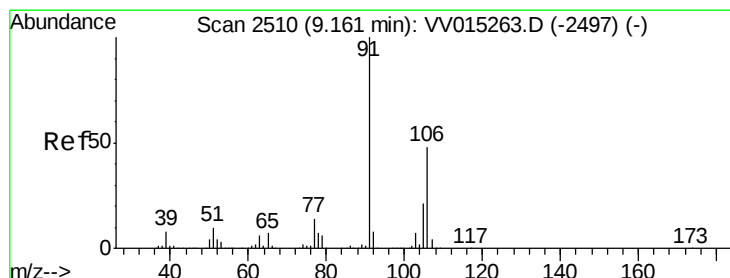
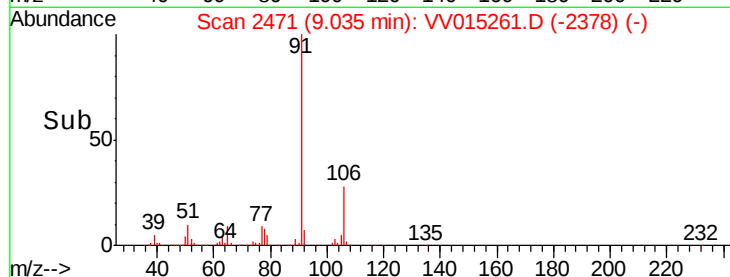
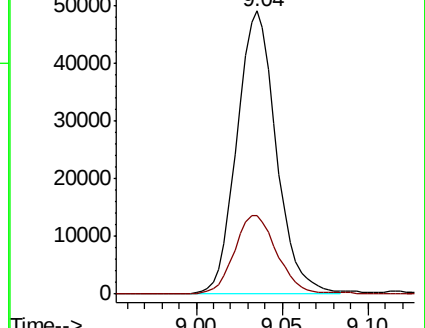
91 100

106 27.6 21.8 40.6



Abundance Ion 91.00 (90.70 to 91.70): VV015263.D (-2457) (-)

Ion 106.00 (105.70 to 106.70): VV015263.D (-2457) (-)



#53

m,p-Xylene

Concen: 5.853 ug/L

RT: 9.16 min Scan# 2510

Delta R.T. 0.00 min

Lab File: VV015261.D

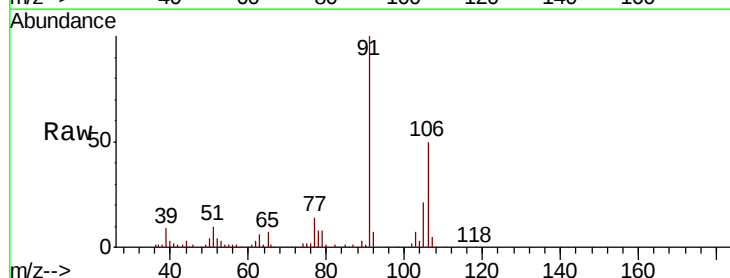
Acq: 30 Mar 2020 08:57

Tgt Ion: 106 Resp: 30021

Ion Ratio Lower Upper

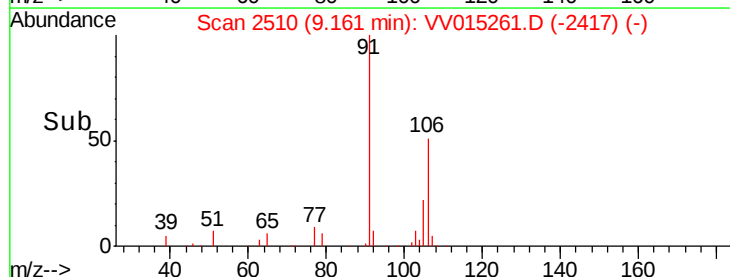
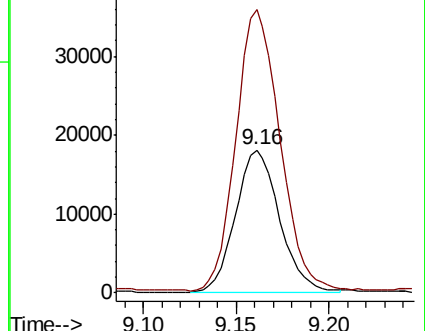
106 100

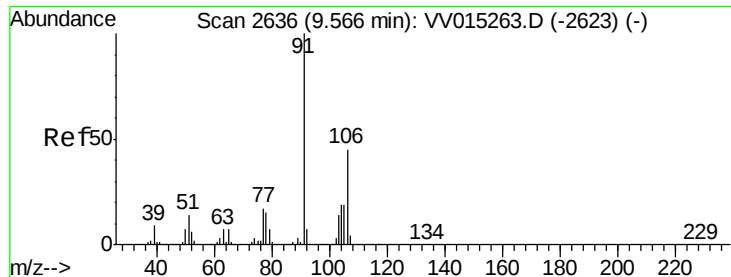
91 198.5 145.3 269.9



Abundance Ion 106.00 (105.70 to 106.70): VV015263.D (-2497) (-)

Ion 91.00 (90.70 to 91.70): VV015263.D (-2497) (-)





#54

o-xylene

Concen: 5.756 ug/L

RT: 9.57 min Scan# 2636

Delta R.T. 0.00 min

Lab File: VV015261.D

Acq: 30 Mar 2020 08:57

Instrument :

MSVOA_V

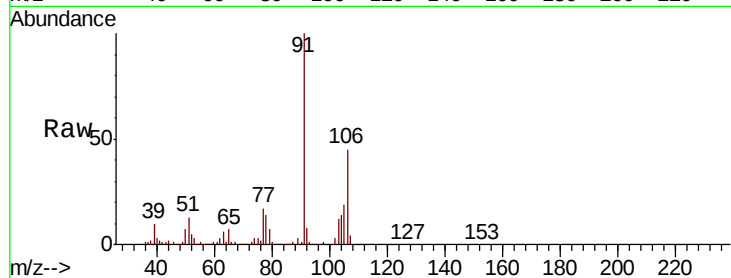
ClientSampleId :

Tot Ion:106 Resp: 29507

Ion Ratio Lower Upper

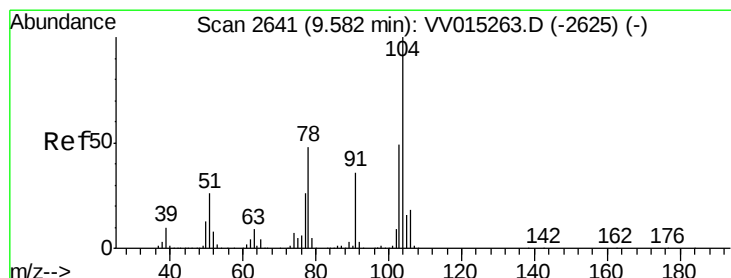
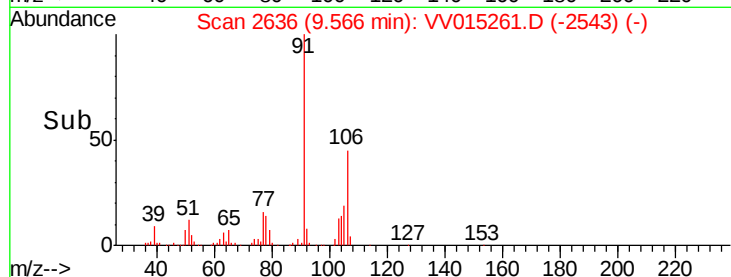
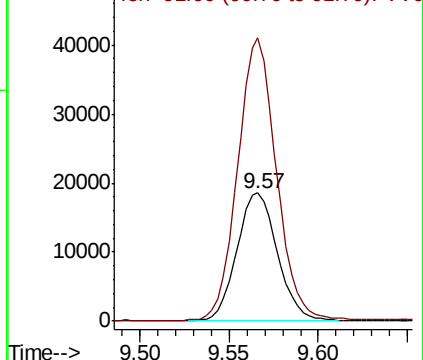
106 100

91 221.1 154.0 286.0



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VV0



#55

Styrene

Concen: 5.478 ug/L

RT: 9.58 min Scan# 2641

Delta R.T. 0.00 min

Lab File: VV015261.D

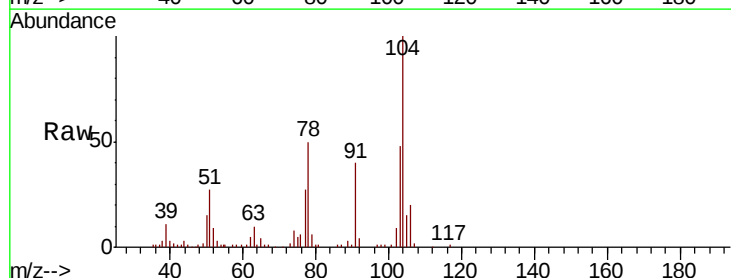
Acq: 30 Mar 2020 08:57

Tgt Ion:104 Resp: 47200

Ion Ratio Lower Upper

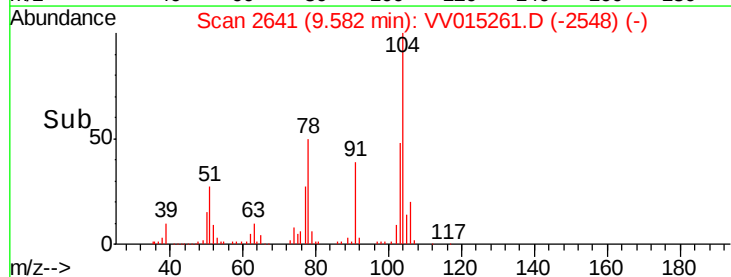
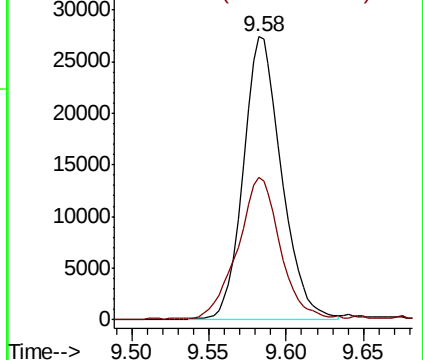
104 100

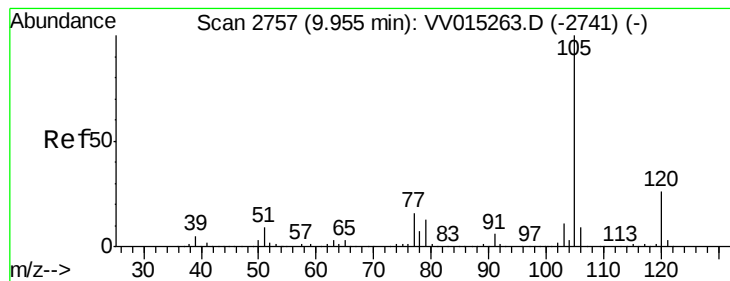
78 50.4 33.7 62.7



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VV0





#56

Isopropylbenzene

Concen: 5.712 ug/L

RT: 9.95 min Scan# 2756

Delta R.T. -0.00 min

Lab File: VV015261.D

Acq: 30 Mar 2020 08:57

Instrument :

MSVOA_V

ClientSampleId :

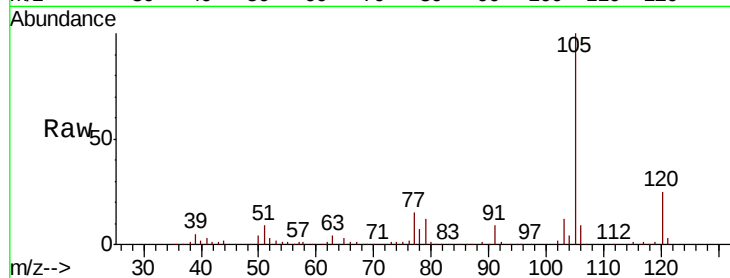
Tot Ion:105 Resp: 74774

Ion Ratio Lower Upper

105 100

120 26.9 21.0 31.6

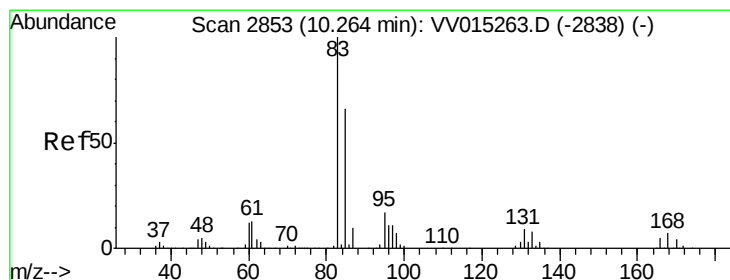
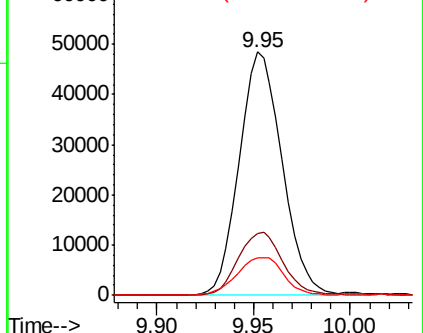
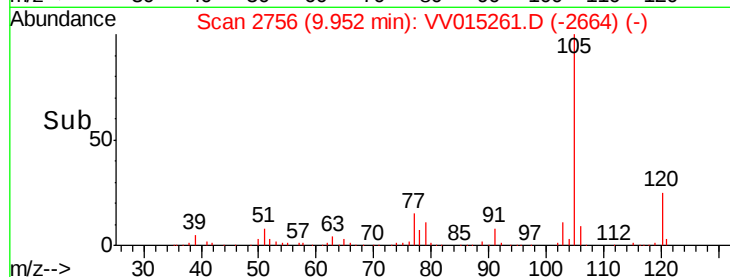
77 17.0 13.0 19.6



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: 5.625 ug/L

RT: 10.26 min Scan# 2853

Delta R.T. 0.00 min

Lab File: VV015261.D

Acq: 30 Mar 2020 08:57

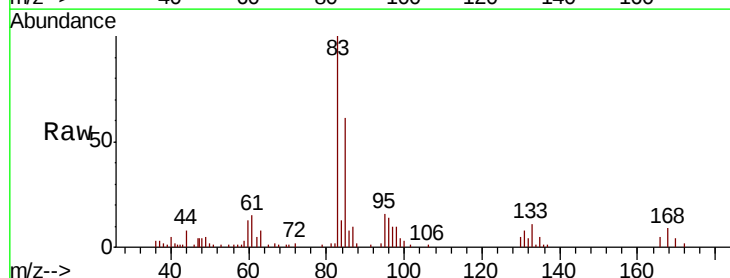
Tgt Ion: 83 Resp: 25134

Ion Ratio Lower Upper

83 100

85 61.2 46.3 85.9

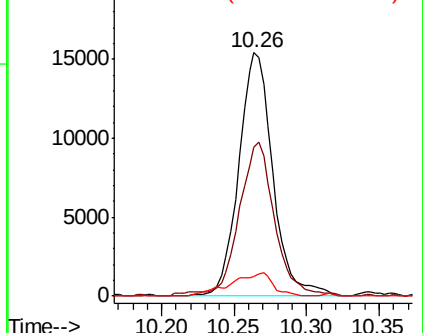
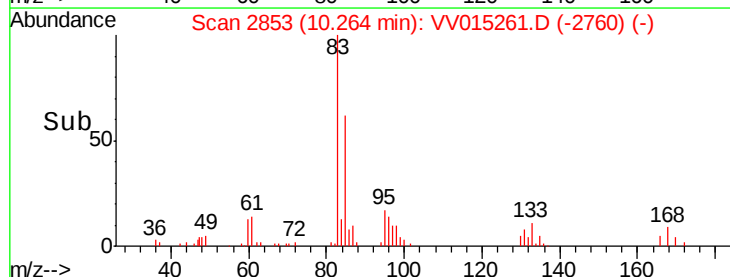
131 8.1 7.4 11.0

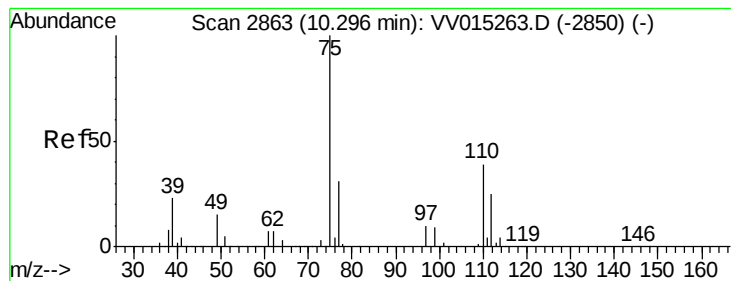


Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 5.539 ug/L

RT: 10.30 min Scan# 2864

Delta R.T. 0.00 min

Lab File: VV015261.D

Acq: 30 Mar 2020 08:57

Instrument :

MSVOA_V

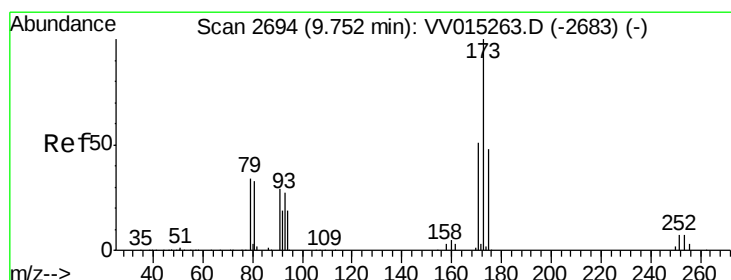
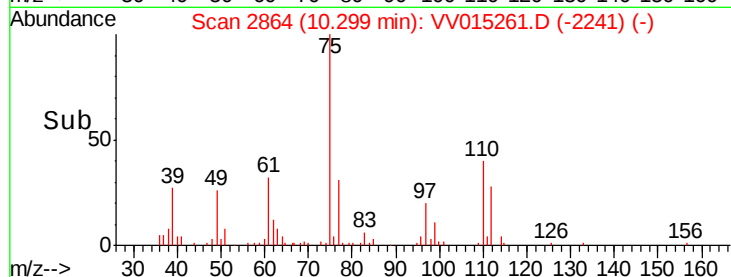
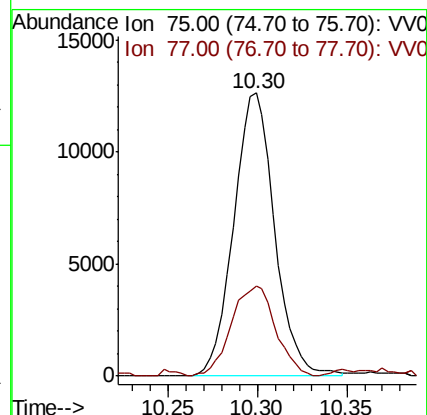
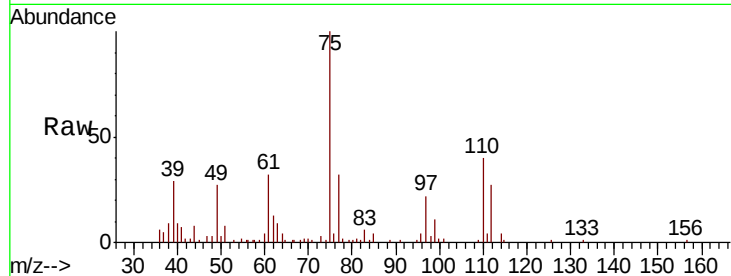
ClientSampled :

Tot Ion: 75 Resp: 20229

Ion Ratio Lower Upper

75 100

77 34.3 25.9 38.9



#61

Bromoform

Concen: 5.364 ug/L

RT: 9.75 min Scan# 2694

Delta R.T. 0.00 min

Lab File: VV015261.D

Acq: 30 Mar 2020 08:57

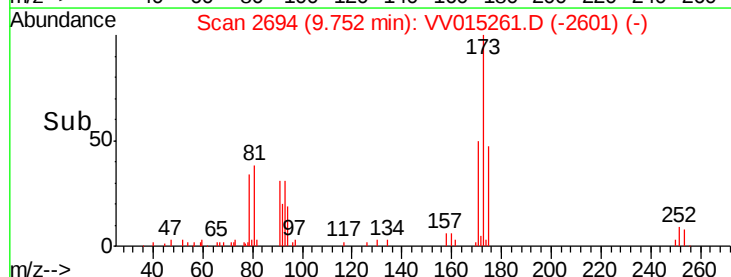
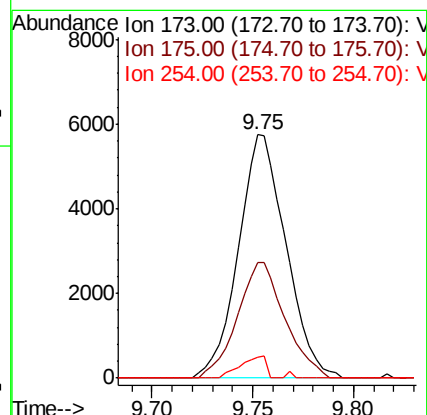
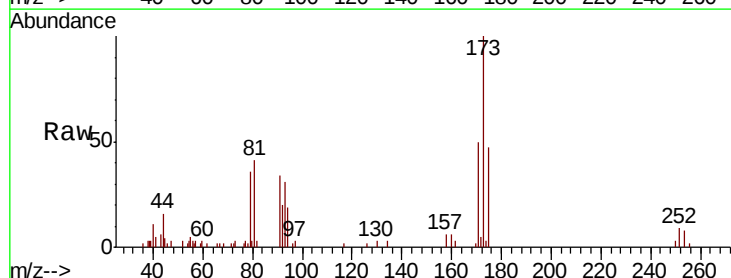
Tgt Ion: 173 Resp: 9470

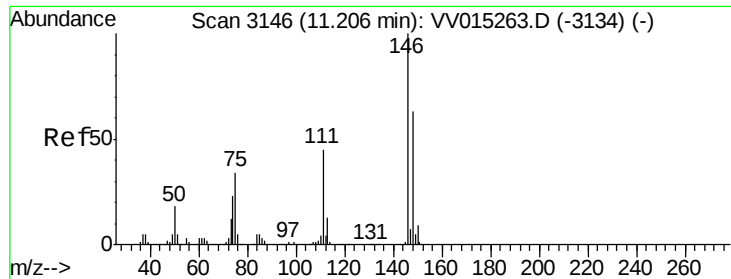
Ion Ratio Lower Upper

173 100

175 47.4 38.1 57.1

254 4.8 4.7 7.1

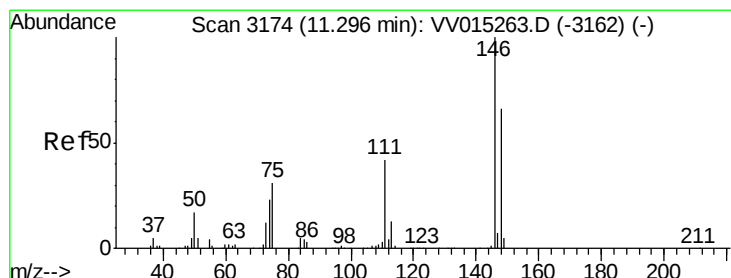
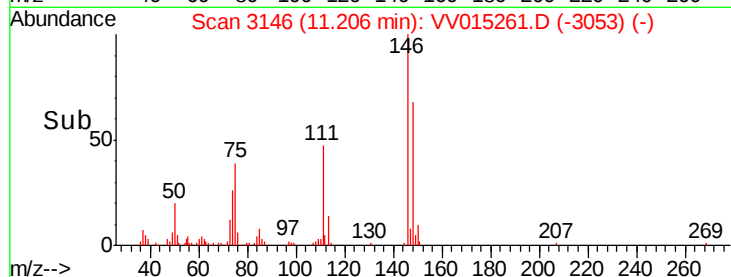
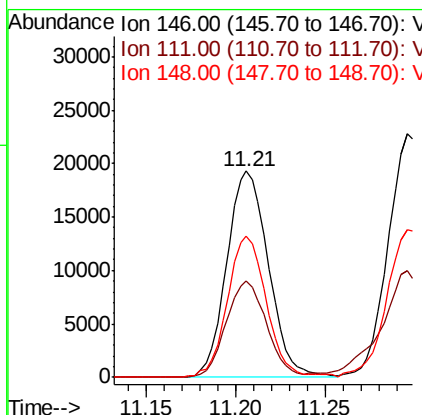
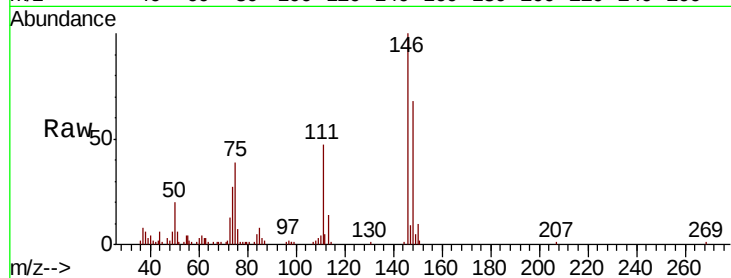




#62
 1,3-Dichlorobenzene
 Concen: 5.959 ug/L
 RT: 11.21 min Scan# 3146
 Delta R.T. 0.00 min
 Lab File: VV015261.D
 Acq: 30 Mar 2020 08:57

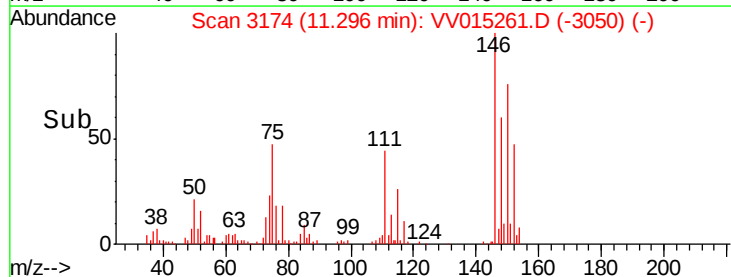
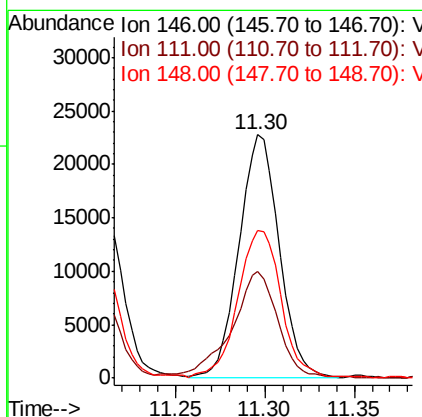
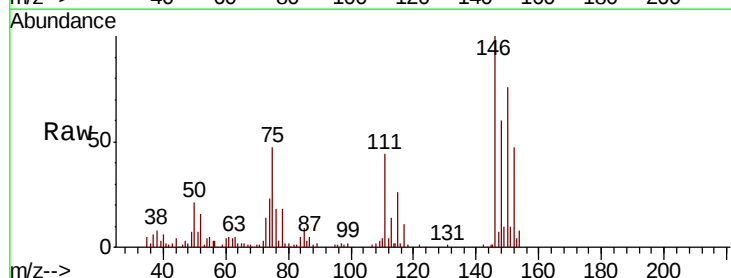
Instrument :
 MSVOA_V
 ClientSampleId :

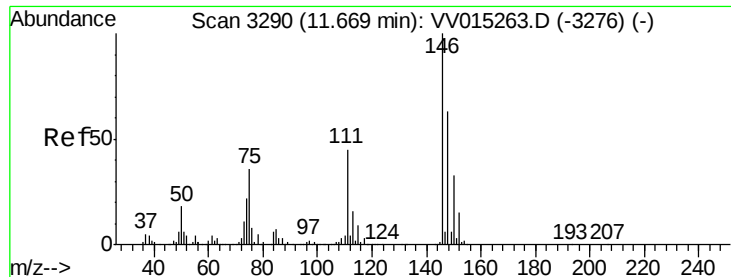
Tot Ion:146 Resp: 31276
 Ion Ratio Lower Upper
 146 100
 111 46.6 31.4 58.4
 148 68.3 43.8 81.4



#63
 1,4-Dichlorobenzene
 Concen: 6.810 ug/L
 RT: 11.30 min Scan# 3174
 Delta R.T. 0.00 min
 Lab File: VV015261.D
 Acq: 30 Mar 2020 08:57

Tgt Ion:146 Resp: 35901
 Ion Ratio Lower Upper
 146 100
 111 43.9 30.0 55.6
 148 60.4 46.2 85.8





#65

1,2-Dichlorobenzene

Concen: 5.931 ug/L

RT: 11.67 min Scan# 3290

Delta R.T. 0.00 min

Lab File: VV015261.D

Acq: 30 Mar 2020 08:57

Instrument :

MSVOA_V

ClientSampled :

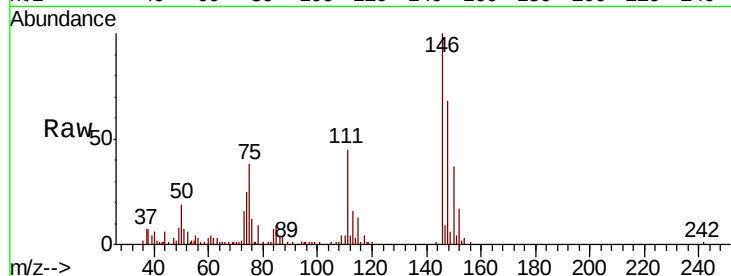
Tot Ion:146 Resp: 32119

Ion Ratio Lower Upper

146 100

111 44.9 35.8 53.8

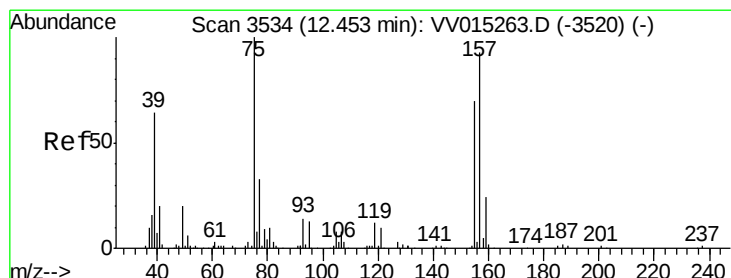
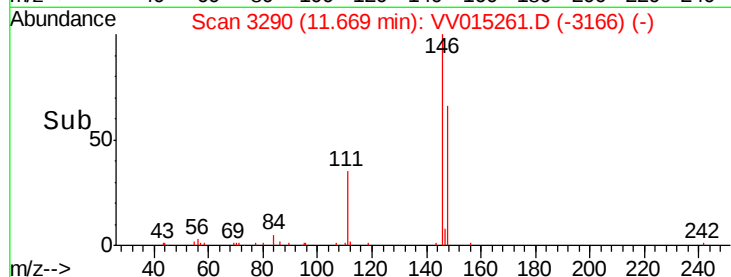
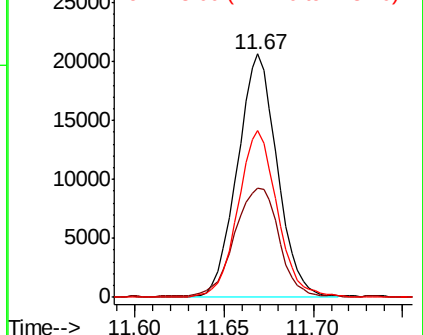
148 68.3 50.1 75.1



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: 5.215 ug/L

RT: 12.45 min Scan# 3534

Delta R.T. 0.00 min

Lab File: VV015261.D

Acq: 30 Mar 2020 08:57

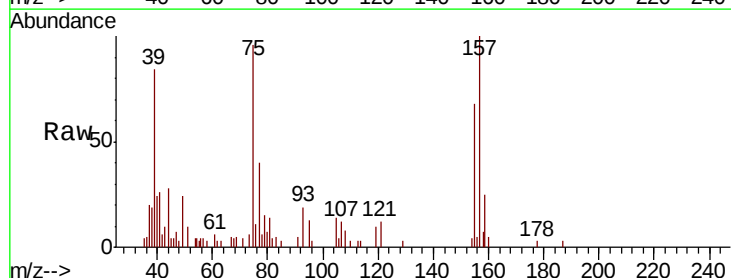
Tgt Ion: 75 Resp: 5882

Ion Ratio Lower Upper

75 100

155 70.7 56.0 84.0

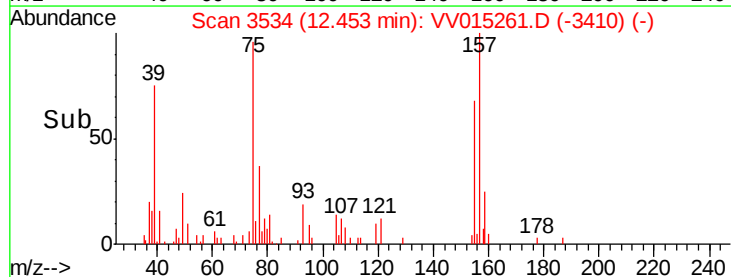
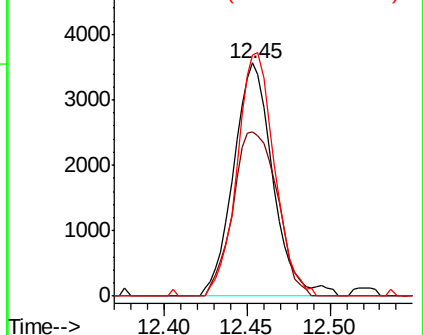
157 103.8 74.5 111.7

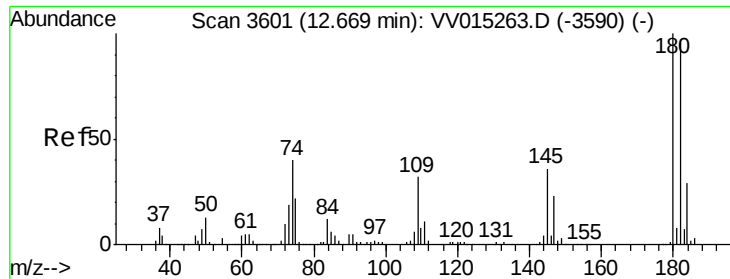


Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

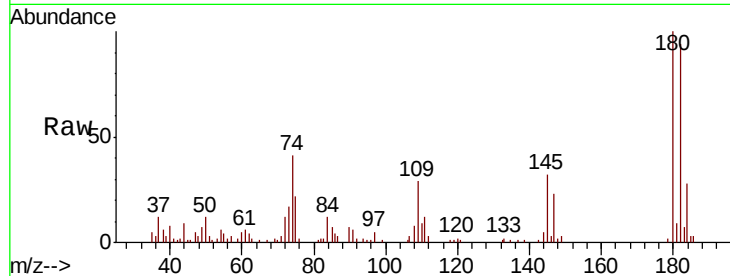




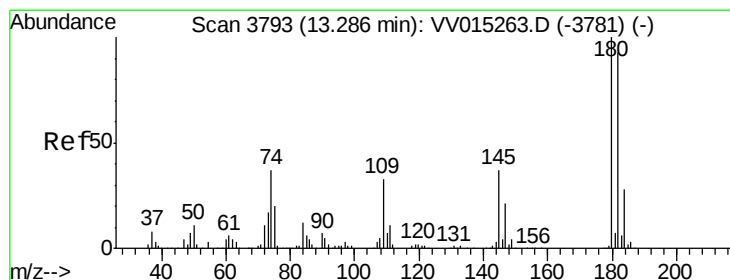
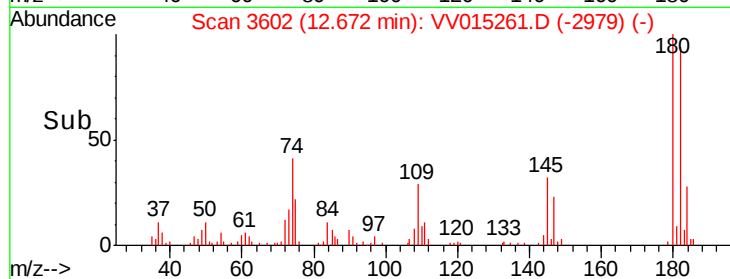
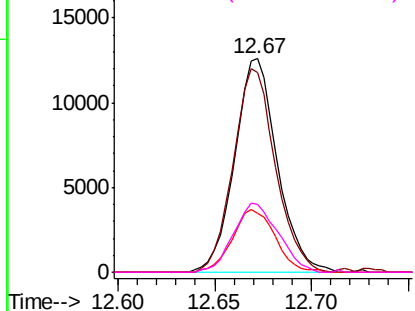
#67
 1,3,5-Trichlorobenzene
 Concen: 5.812 ug/L
 RT: 12.67 min Scan# 3602
 Delta R.T. 0.00 min
 Lab File: VV015261.D
 Acq: 30 Mar 2020 08:57

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion:180 Resp: 19311
 Ion Ratio Lower Upper
 180 100
 182 94.1 75.0 112.6
 184 29.6 23.7 35.5
 145 34.0 28.0 42.0

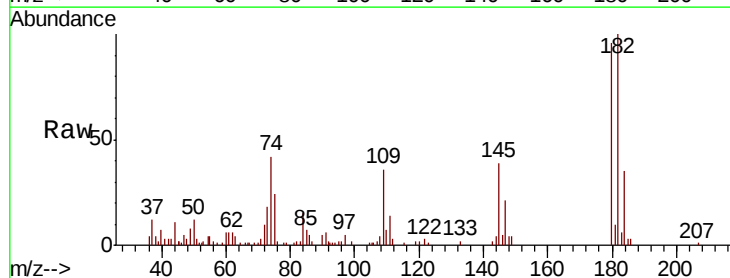


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

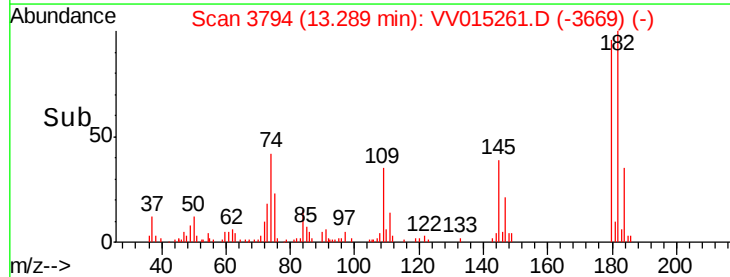
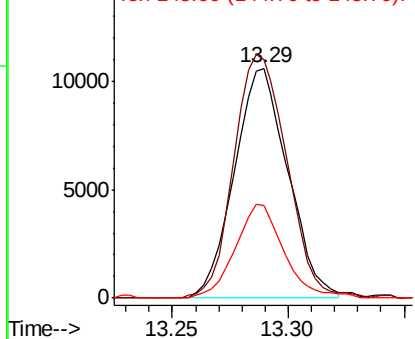


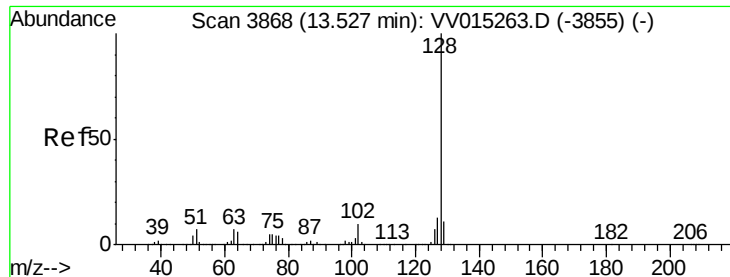
#68
 1,2,4-trichlorobenzene
 Concen: 5.512 ug/L
 RT: 13.29 min Scan# 3794
 Delta R.T. 0.00 min
 Lab File: VV015261.D
 Acq: 30 Mar 2020 08:57

Tgt Ion:180 Resp: 17026
 Ion Ratio Lower Upper
 180 100
 182 104.9 74.5 111.7
 145 37.3 28.6 42.8



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: 5.029 ug/L

RT: 13.53 min Scan# 3869

Delta R.T. 0.00 min

Lab File: VV015261.D

Acq: 30 Mar 2020 08:57

Instrument :

MSVOA_V

ClientSampleId :

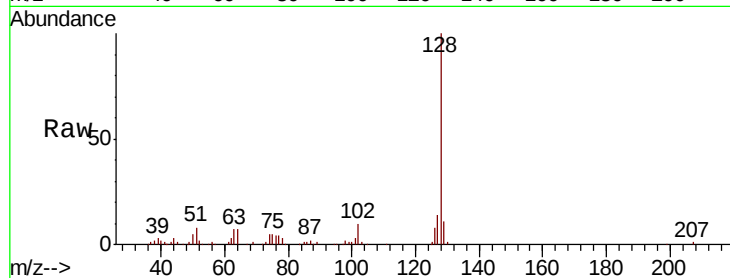
Tot Ion:128 Resp: 62821

Ion Ratio Lower Upper

128 100

127 13.5 10.4 15.6

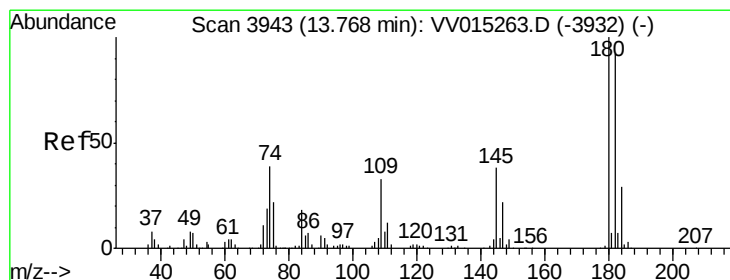
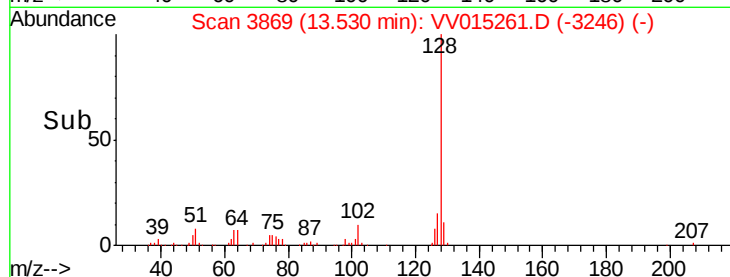
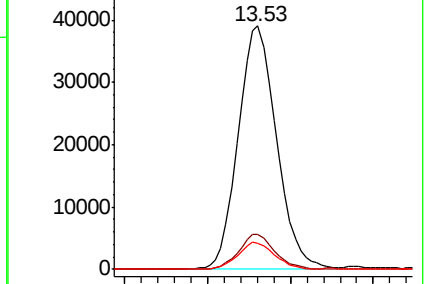
129 10.8 8.5 12.7



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: 5.642 ug/L

RT: 13.77 min Scan# 3944

Delta R.T. 0.00 min

Lab File: VV015261.D

Acq: 30 Mar 2020 08:57

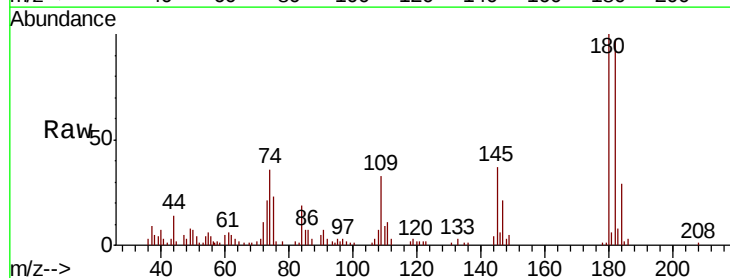
Tgt Ion:180 Resp: 17907

Ion Ratio Lower Upper

180 100

182 95.9 73.9 110.9

145 35.3 30.2 45.2



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

