

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV040920\
 Data File : VV015417.D
 Acq On : 09 Apr 2020 13:37
 Operator : SY/MD
 Sample : VSTD02032
 Misc : 25.0mL/MSVOA V/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Apr 10 02:30:25 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR040920WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Fri Apr 10 02:18:02 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	114985	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	111831	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	58628	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.31	65	126856	16.08	ug/L	0.00
7) Chloroethane-d5	1.57	69	114616	15.84	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.12	63	259808	14.64	ug/L	0.00
20) 2-Butanone-d5	3.95	46	412986	222.40	ug/L	-0.03
24) Chloroform-d	4.37	84	285870	18.06	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.06	65	155144	21.52	ug/L	0.00
32) Benzene-d6	5.07	84	537432	21.32	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.09	67	168929	21.15	ug/L	0.00
41) Toluene-d8	7.34	98	520847	20.41	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.64	79	77618	23.13	ug/L	0.00
46) 2-Hexanone-d5	8.11	63	385734	262.09	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.24	84	135825	22.56	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.65	152	193923	19.43	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.13	85	230088	21.202	ug/L 99
3) Chloromethane	1.24	50	217110	19.423	ug/L 100
5) Vinyl chloride	1.31	62	211903	18.360	ug/L 100
6) Bromomethane	1.52	94	118550	16.340	ug/L 98
8) Chloroethane	1.59	64	122276	17.856	ug/L 99
9) Trichlorofluoromethane	1.76	101	270946	16.445	ug/L 99
10) 1,1,2-Trichloro-1,2,2-trif	2.12	101	150294	14.683	ug/L 99
12) 1,1-Dichloroethene	2.12	96	145206	14.825	ug/L 95
13) Acetone	2.24	43	231443	181.700	ug/L 97
14) Carbon disulfide	2.30	76	530421	16.833	ug/L 100
15) Methyl Acetate	2.47	43	83836	21.356	ug/L 93
16) Methylene chloride	2.52	84	163156	14.008	ug/L 97
17) Methyl tert-butyl Ether	2.79	73	404773	18.087	ug/L 99
18) trans-1,2-Dichloroethene	2.77	96	167285	16.148	ug/L 98
19) 1,1-Dichloroethane	3.21	63	315435	17.512	ug/L 99
21) 2-Butanone	4.03	43	454912	218.948	ug/L # 75
22) cis-1,2-Dichloroethene	3.94	96	174694	16.433	ug/L 97
23) Bromochloromethane	4.27	128	73172	16.804	ug/L 98
25) Chloroform	4.40	83	318576	15.745	ug/L 98
27) 1,2-Dichloroethane	5.16	62	209247	23.039	ug/L 100
29) 1,1,1-Trichloroethane	4.63	97	295153	17.463	ug/L 98
30) Cyclohexane	4.70	56	314091	19.230	ug/L 99
31) Carbon tetrachloride	4.85	117	256865	17.597	ug/L 100
33) Benzene	5.12	78	682670	22.743	ug/L 100
34) Trichloroethene	5.94	95	181067	21.323	ug/L 99
35) Methylcyclohexane	6.15	83	315054	21.320	ug/L 99
37) 1,2-Dichloropropane	6.20	63	171277	23.617	ug/L 99
38) Bromodichloromethane	6.53	83	228282	22.851	ug/L 96
39) cis-1,3-Dichloropropene	7.05	75	273751	24.008	ug/L 97
40) 4-Methyl-2-pentanone	7.25	43	1146197	271.355	ug/L 99

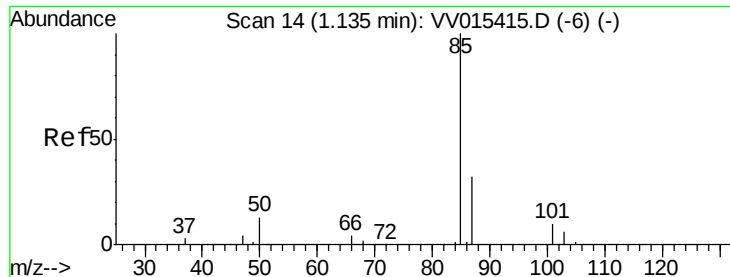
Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV040920\
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 Quant Title : TRACE VOA SOM01.0
 QLast Update : Fri Apr 10 02:18:02 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.41	91	753709	21.205	ug/L	98
44) trans-1,3-Dichloropropene	7.67	75	234141	24.087	ug/L	97
45) 1,1,2-Trichloroethane	7.86	97	116335	21.517	ug/L	97
47) Tetrachloroethene	8.00	164	137080	21.923	ug/L	99
48) 2-Hexanone	8.16	43	828311	276.164	ug/L	99
49) Dibromochloromethane	8.27	129	143600	22.481	ug/L	98
50) 1,2-Dibromoethane	8.38	107	111434	21.697	ug/L	98
51) Chlorobenzene	8.90	112	474683	20.659	ug/L	99
52) Ethylbenzene	9.03	91	876823	21.394	ug/L	99
53) m,p-xylene	9.16	106	331510	21.001	ug/L	99
54) o-xylene	9.57	106	318993	20.871	ug/L	98
55) Styrene	9.58	104	552513	21.857	ug/L	99
56) Isopropylbenzene	9.95	105	875181	21.339	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.26	83	143201	22.930	ug/L	99
59) 1,2,3-Trichloropropane	10.30	75	106553	22.582	ug/L	98
61) Bromoform	9.75	173	73410	23.741	ug/L	100
62) 1,3-Dichlorobenzene	11.20	146	381628	19.772	ug/L	98
63) 1,4-Dichlorobenzene	11.30	146	379600	19.594	ug/L	99
65) 1,2-Dichlorobenzene	11.67	146	346332	20.099	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.45	75	27691	22.207	ug/L	99
67) 1,3,5-Trichlorobenzene	12.67	180	284468	21.120	ug/L	99
68) 1,2,4-trichlorobenzene	13.29	180	254558	21.421	ug/L	99
69) Naphthalene	13.53	128	493954	18.056	ug/L	100
70) 1,2,3-Trichlorobenzene	13.77	180	225541	22.008	ug/L	100

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



#2

Dichlorodifluoromethane

Concen: 21.202 ug/L

RT: 1.13 min Scan# 13

Delta R.T. -0.00 min

Lab File: VV015417.D

Acq: 09 Apr 2020 13:37

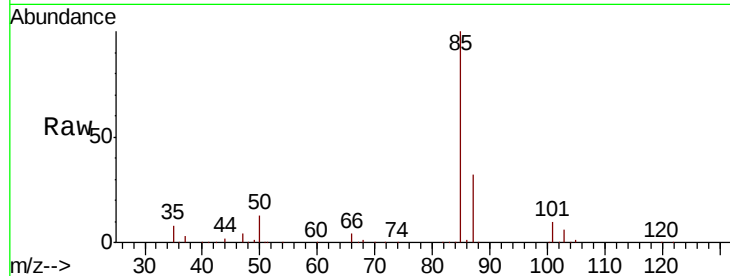
Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 85 Resp: 230088

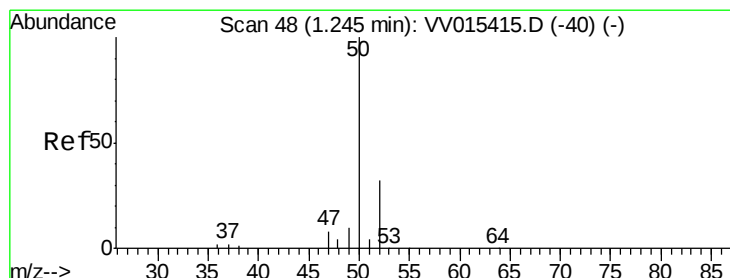
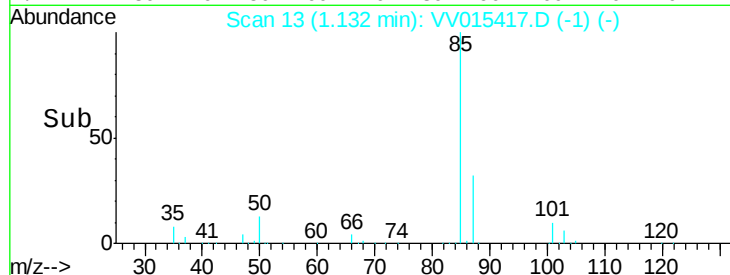
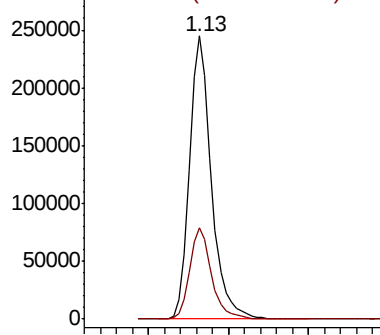
Ion Ratio Lower Upper

85 100

87 32.2 25.3 37.9



Abundance Ion 85.00 (84.70 to 85.70): VV0
Ion 87.00 (86.70 to 87.70): VV0



#3

Chloromethane

Concen: 19.423 ug/L

RT: 1.24 min Scan# 47

Delta R.T. -0.00 min

Lab File: VV015417.D

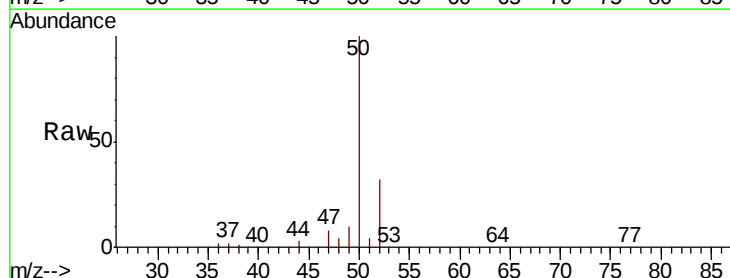
Acq: 09 Apr 2020 13:37

Tgt Ion: 50 Resp: 217110

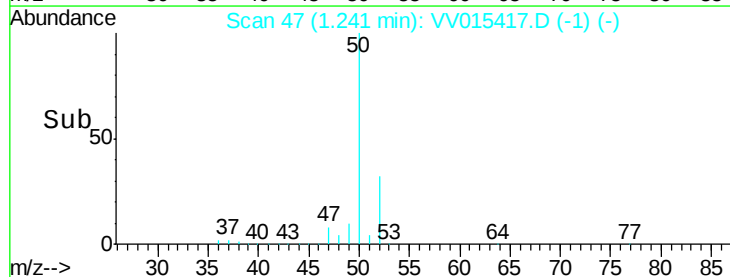
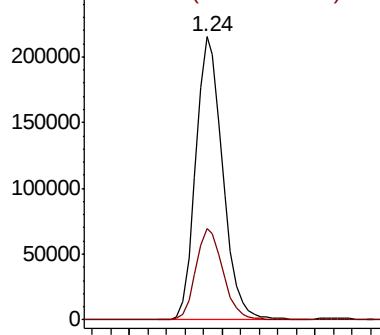
Ion Ratio Lower Upper

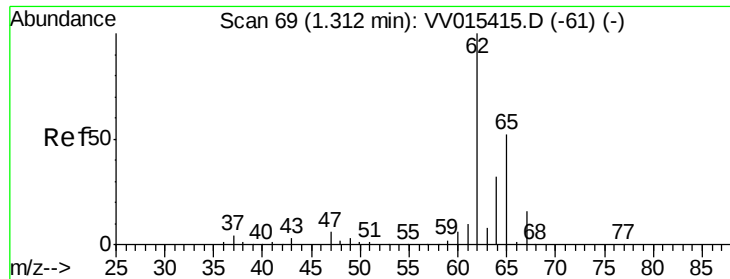
50 100

52 32.4 22.7 42.1



Abundance Ion 50.05 (49.75 to 50.75): VV0
Ion 52.05 (51.75 to 52.75): VV0





#5

Vinyl chloride

Concen: 18.360 ug/L

RT: 1.31 min Scan# 69

Delta R.T. 0.00 min

Lab File: VV015417.D

Acq: 09 Apr 2020 13:37

Instrument :

MSVOA_V

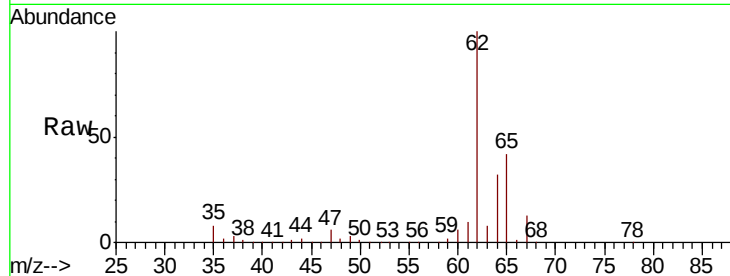
ClientSampled :

Tot Ion: 62 Resp: 211903

Ion Ratio Lower Upper

62 100

64 32.2 22.5 41.7



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.10 (63.80 to 64.80): VV0

1.31

200000

150000

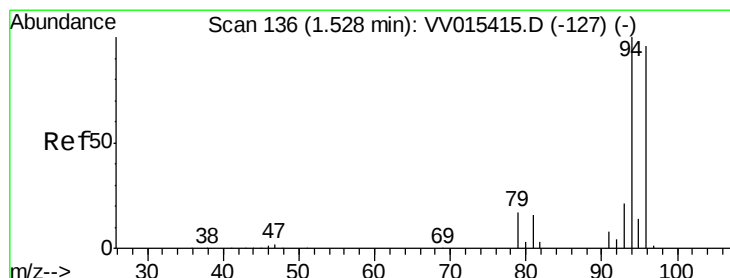
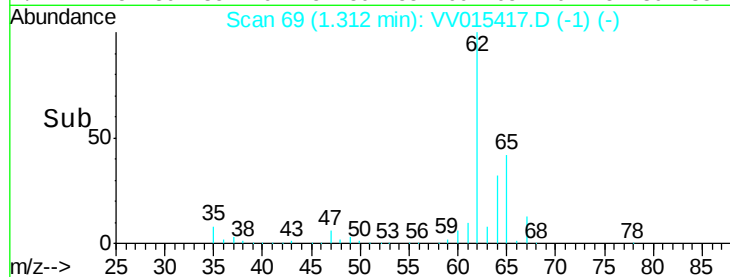
100000

50000

0

Time-->

1.25 1.30 1.35 1.40



#6

Bromomethane

Concen: 16.340 ug/L

RT: 1.52 min Scan# 135

Delta R.T. -0.00 min

Lab File: VV015417.D

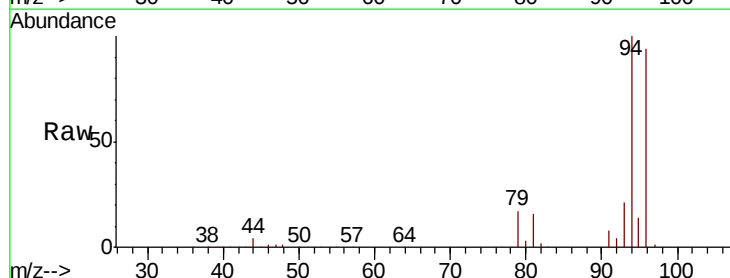
Acq: 09 Apr 2020 13:37

Tgt Ion: 94 Resp: 118550

Ion Ratio Lower Upper

94 100

96 93.7 67.2 124.8



Abundance Ion 94.00 (93.70 to 94.70): VV0

Ion 96.00 (95.70 to 96.70): VV0

120000

100000

80000

60000

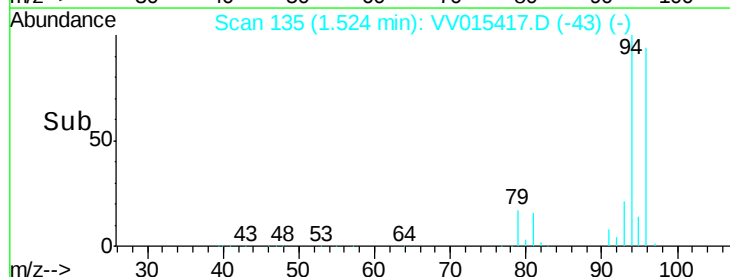
40000

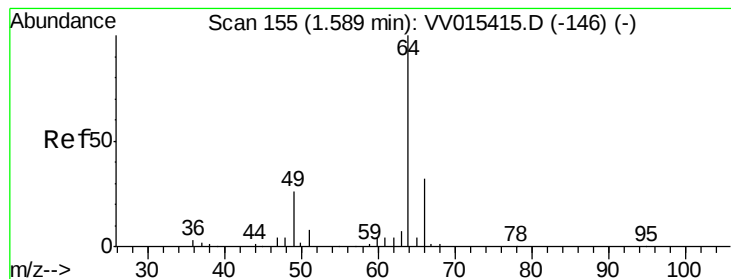
20000

0

Time-->

1.50 1.55 1.60





#8

Chloroethane

Concen: 17.856 ug/L

RT: 1.59 min Scan# 155

Delta R.T. 0.00 min

Lab File: VV015417.D

Acq: 09 Apr 2020 13:37

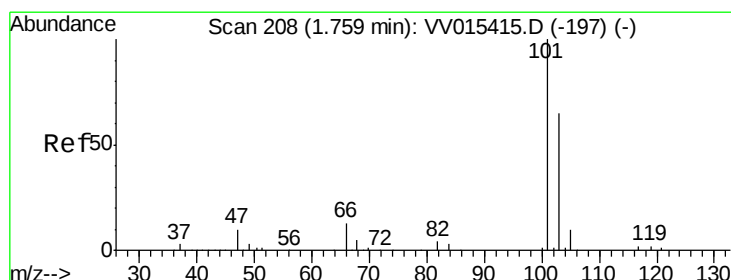
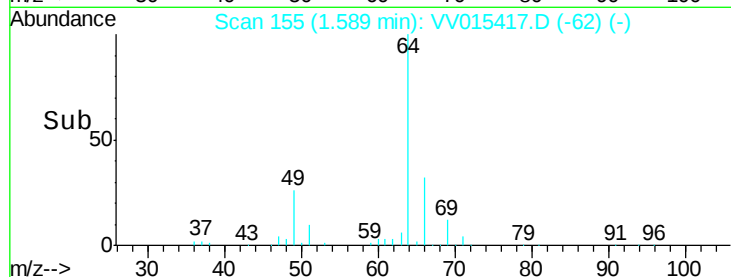
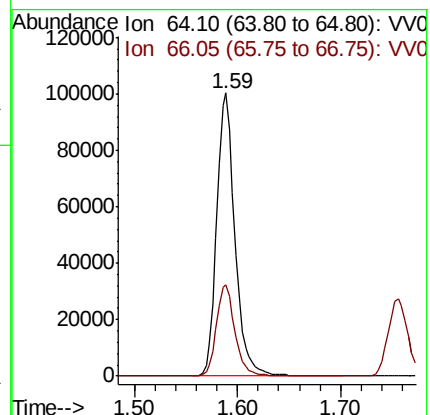
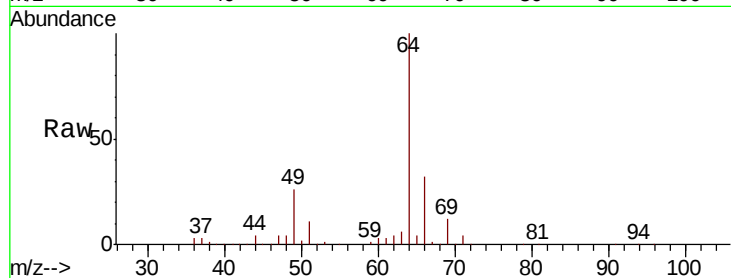
Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 64 Resp: 122276

Ion Ratio Lower Upper

64 100

66 32.3 22.3 41.5



#9

Trichlorofluoromethane

Concen: 16.445 ug/L

RT: 1.76 min Scan# 207

Delta R.T. -0.00 min

Lab File: VV015417.D

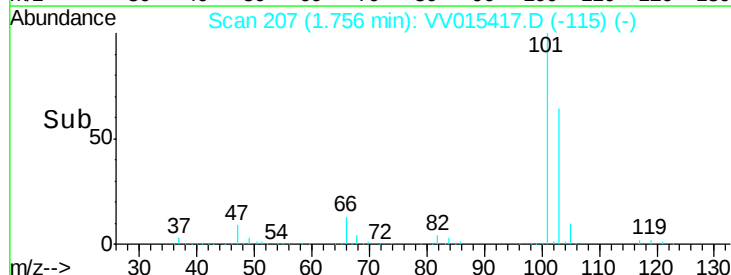
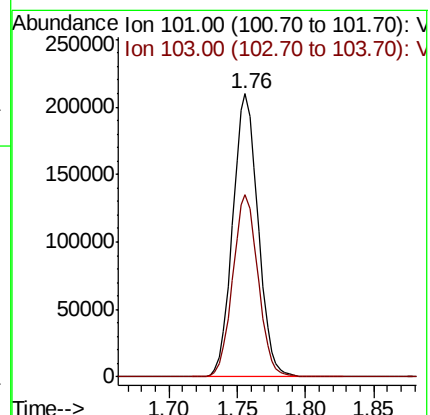
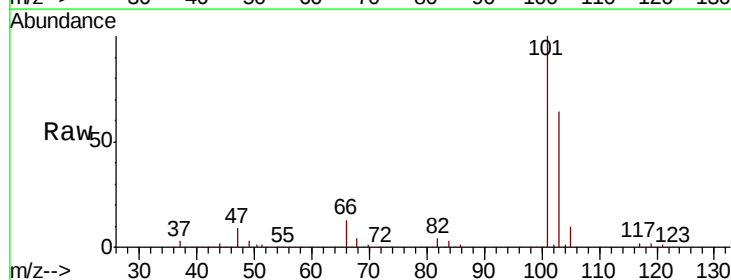
Acq: 09 Apr 2020 13:37

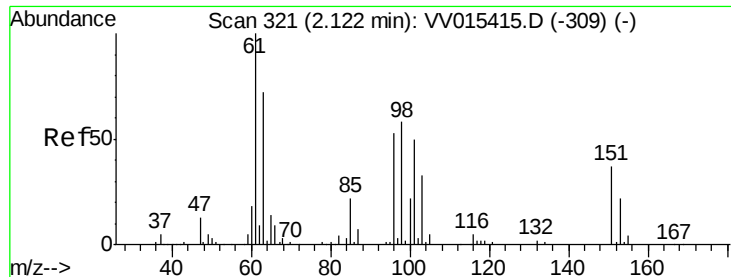
Tgt Ion:101 Resp: 270946

Ion Ratio Lower Upper

101 100

103 64.3 51.9 77.9





#10

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

Concen: 14.683 ug/L

RT: 2.12 min Scan# 321

Delta R.T. 0.00 min

Lab File: VV015417.D

Acq: 09 Apr 2020 13:37

Instrument :

MSVOA_V

ClientSampled :

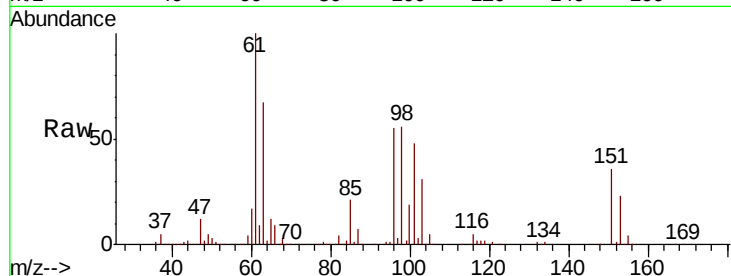
Tot Ion:101 Resp: 150294

Ion Ratio Lower Upper

101 100

85 44.2 36.3 54.5

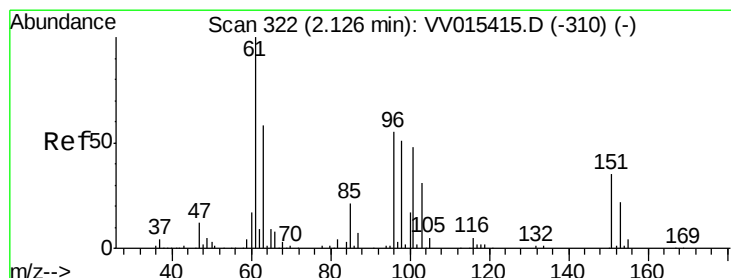
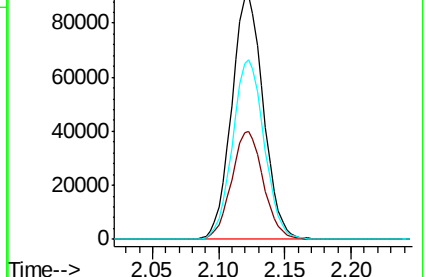
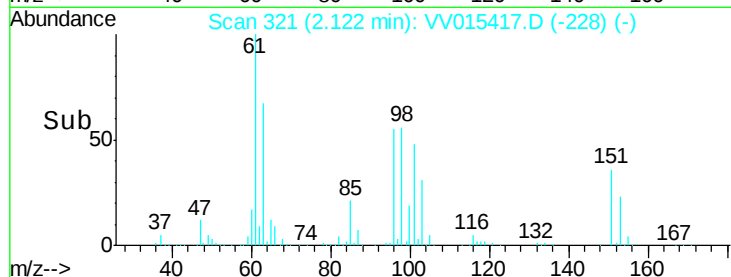
151 73.4 58.2 87.4



Abundance Ion 101.00 (100.70 to 101.70): VV015417.D (-228) (-)

Ion 85.00 (84.70 to 85.70): VV015417.D (-228) (-)

Ion 151.00 (150.70 to 151.70): VV015417.D (-228) (-)



#12

1,1-Dichloroethene

Concen: 14.825 ug/L

RT: 2.12 min Scan# 321

Delta R.T. -0.00 min

Lab File: VV015417.D

Acq: 09 Apr 2020 13:37

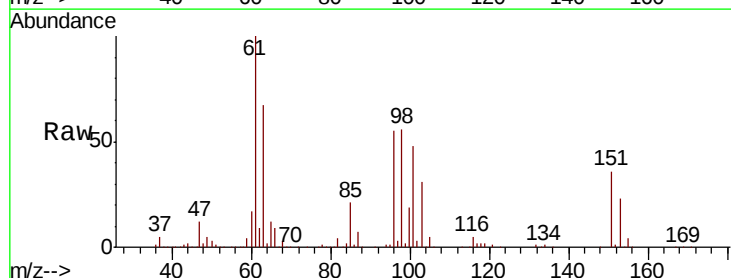
Tgt Ion: 96 Resp: 145206

Ion Ratio Lower Upper

96 100

61 182.4 127.7 237.1

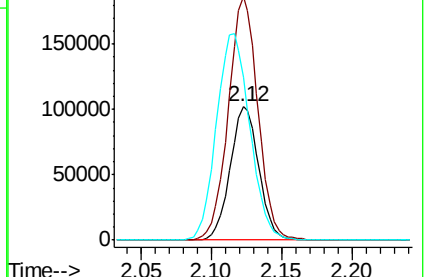
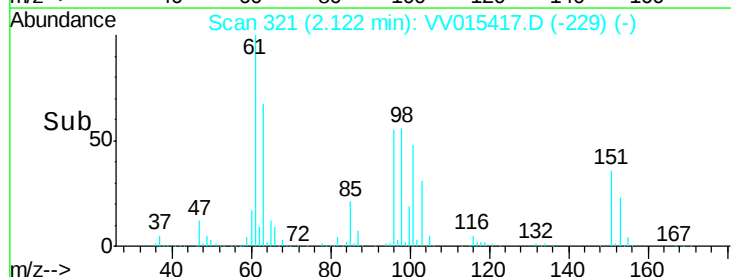
63 121.9 75.1 139.5

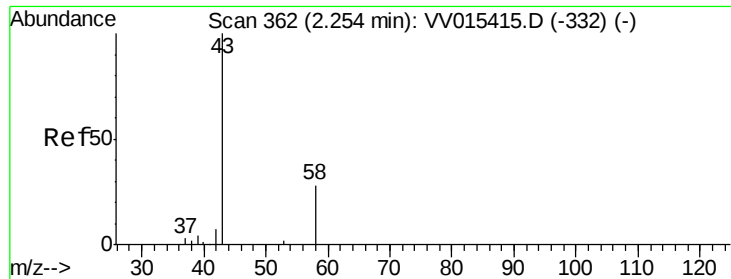


Abundance Ion 96.00 (95.70 to 96.70): VV015417.D (-229) (-)

Ion 61.05 (60.75 to 61.75): VV015417.D (-229) (-)

Ion 63.00 (62.70 to 63.70): VV015417.D (-229) (-)





#13

Acetone

Concen: 181.700 ug/L

RT: 2.24 min Scan# 359

Delta R.T. -0.01 min

Lab File: VV015417.D

Acq: 09 Apr 2020 13:37

Instrument :

MSVOA_V

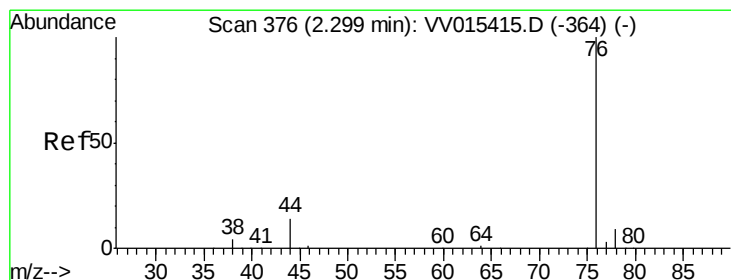
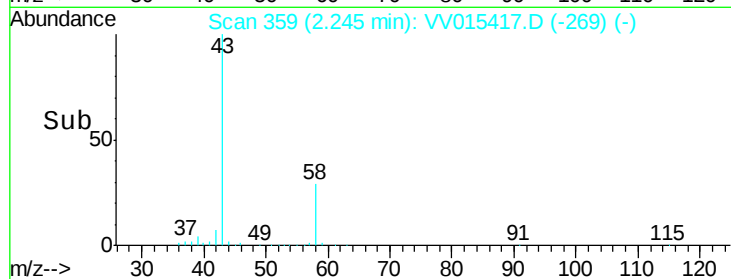
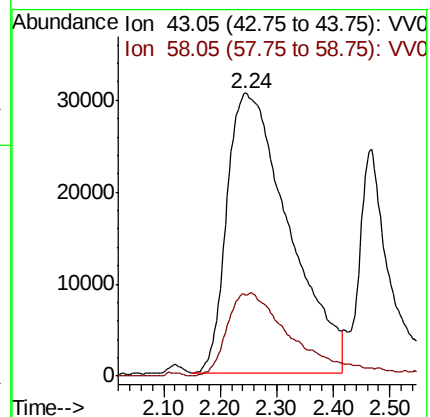
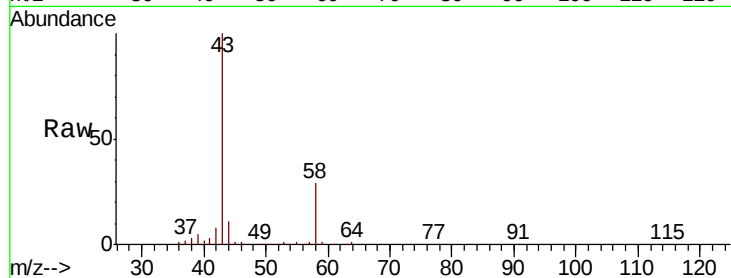
ClientSampleId :

Tot Ion: 43 Resp: 231443

Ion Ratio Lower Upper

43 100

58 10.0 0.0 22.2



#14

Carbon disulfide

Concen: 16.833 ug/L

RT: 2.30 min Scan# 376

Delta R.T. 0.00 min

Lab File: VV015417.D

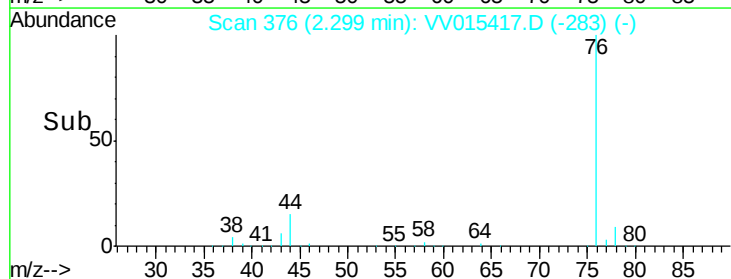
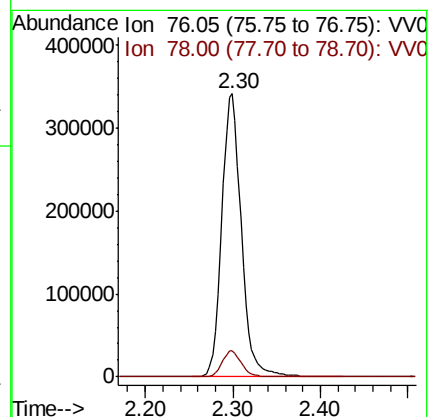
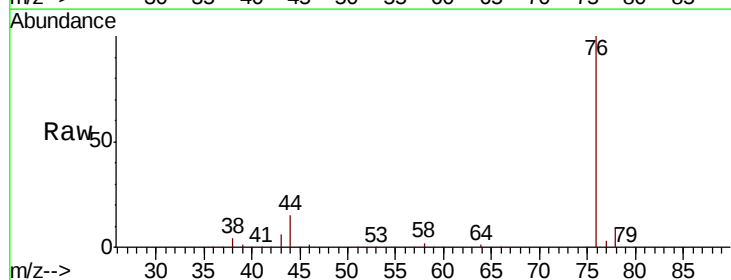
Acq: 09 Apr 2020 13:37

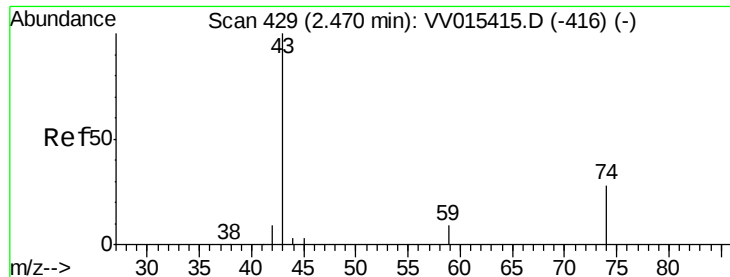
Tgt Ion: 76 Resp: 530421

Ion Ratio Lower Upper

76 100

78 9.2 7.3 10.9

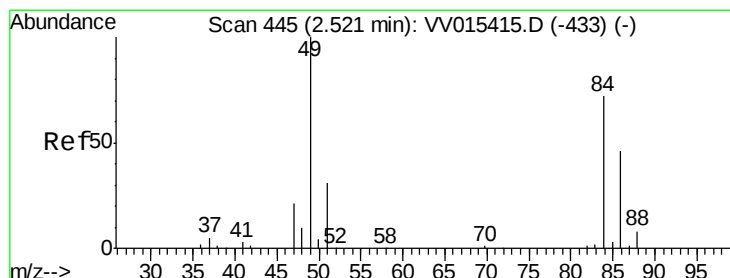
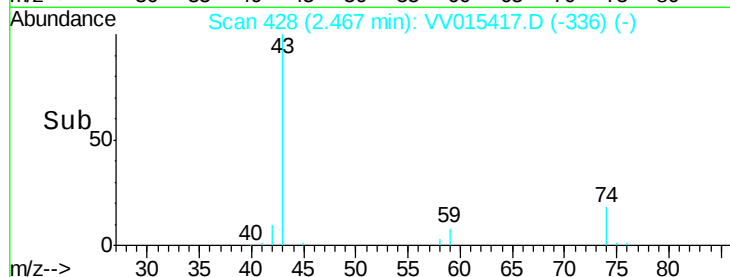
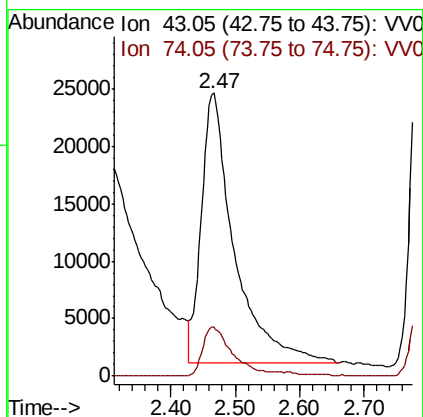
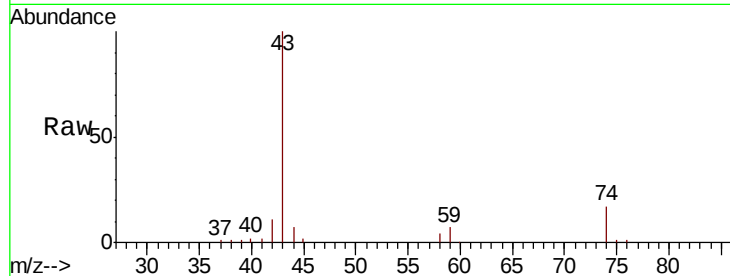




#15
Methvl Acetate
Concen: 21.356 ug/L
RT: 2.47 min Scan# 428
Delta R.T. -0.00 min
Lab File: VV015417.D
Acq: 09 Apr 2020 13:37

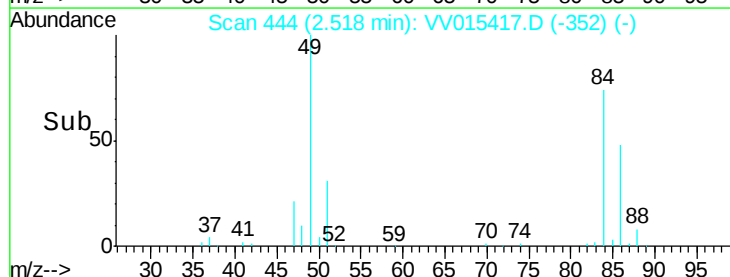
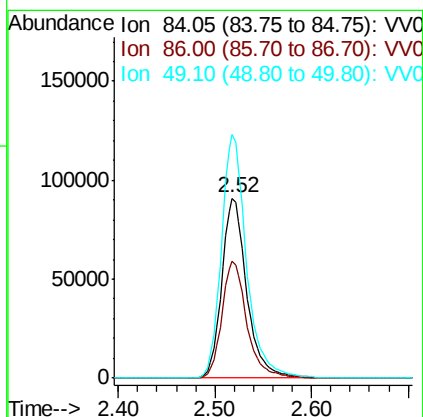
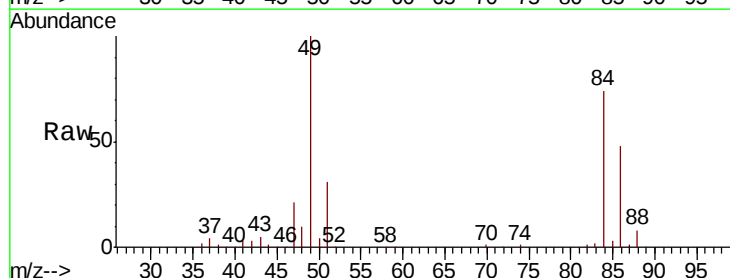
Instrument :
MSVOA_V
ClientSampleId :

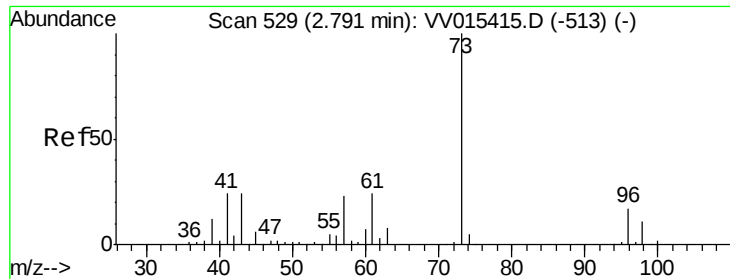
Tot Ion: 43 Resp: 83836
Ion Ratio Lower Upper
43 100
74 16.2 15.4 23.2



#16
Methylene chloride
Concen: 14.008 ug/L
RT: 2.52 min Scan# 444
Delta R.T. -0.00 min
Lab File: VV015417.D
Acq: 09 Apr 2020 13:37

Tgt Ion: 84 Resp: 163156
Ion Ratio Lower Upper
84 100
86 64.7 45.1 83.7
49 135.5 97.9 181.7

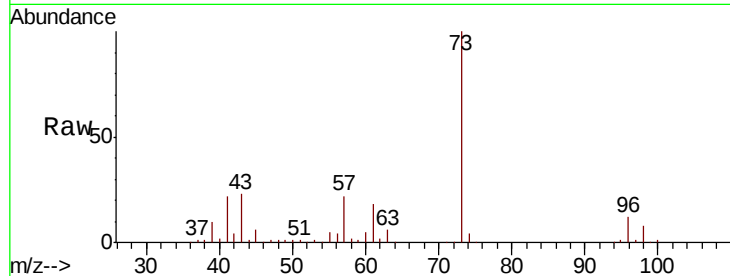




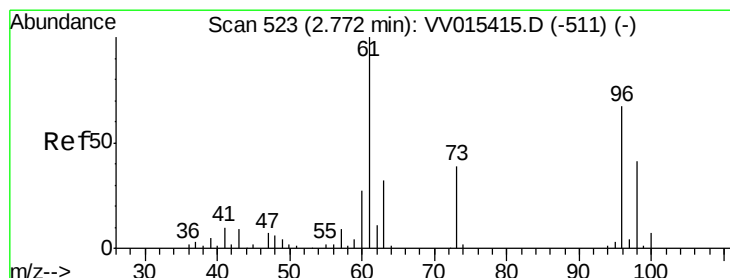
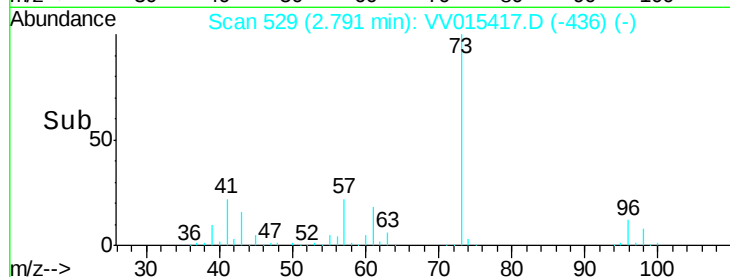
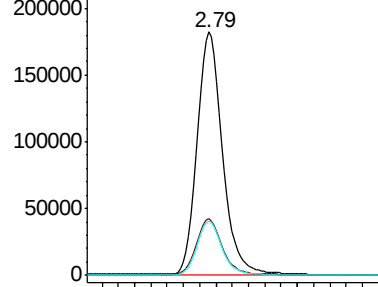
#17
Methvl tert-butvl Ether
Concen: 18.087 ug/L
RT: 2.79 min Scan# 529
Delta R.T. 0.00 min
Lab File: VV015417.D
Acq: 09 Apr 2020 13:37

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 73 Resp: 404773
Ion Ratio Lower Upper
73 100
43 22.7 18.3 27.5
57 22.3 18.4 27.6

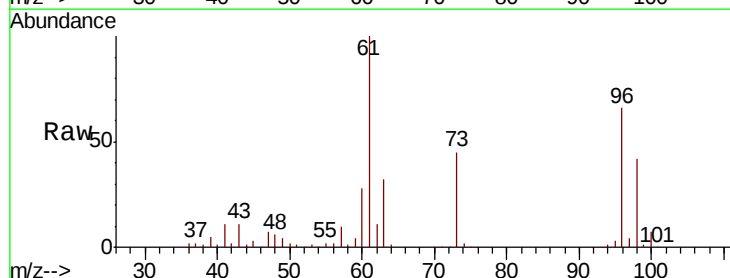


Abundance Ion 73.10 (72.80 to 73.80): VV0
250000
Ion 43.05 (42.75 to 43.75): VV0
Ion 57.10 (56.80 to 57.80): VV0

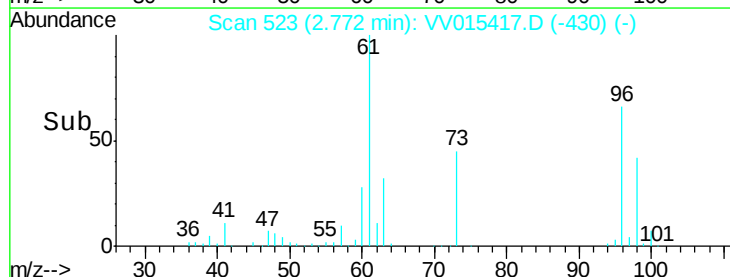
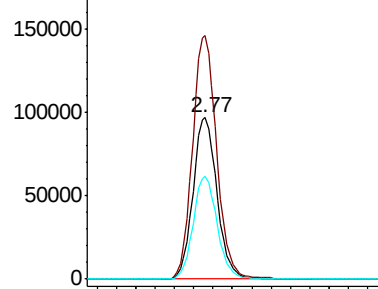


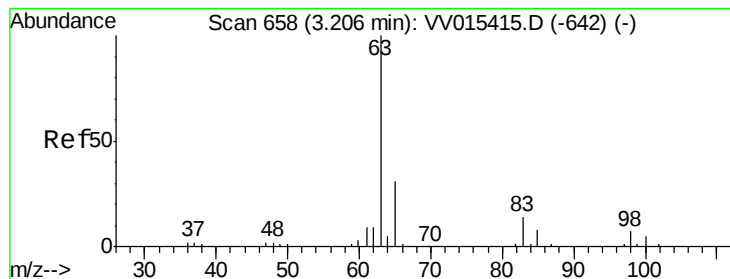
#18
trans-1,2-Dichloroethene
Concen: 16.148 ug/L
RT: 2.77 min Scan# 523
Delta R.T. 0.00 min
Lab File: VV015417.D
Acq: 09 Apr 2020 13:37

Tgt Ion: 96 Resp: 167285
Ion Ratio Lower Upper
96 100
61 150.6 104.4 194.0
98 63.7 42.8 79.4



Abundance Ion 96.00 (95.70 to 96.70): VV0
200000
Ion 61.05 (60.75 to 61.75): VV0
Ion 97.95 (97.65 to 98.65): VV0





#19

1,1-Dichloroethane

Concen: 17.512 ug/L

RT: 3.21 min Scan# 658

Delta R.T. 0.00 min

Lab File: VV015417.D

Acq: 09 Apr 2020 13:37

Instrument :

MSVOA_V

ClientSampleId :

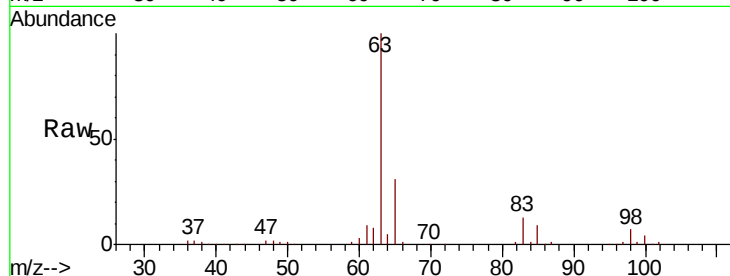
Tot Ion: 63 Resp: 315435

Ion Ratio Lower Upper

63 100

65 31.1 21.3 39.6

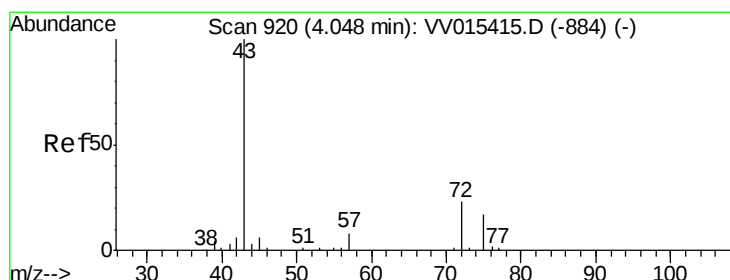
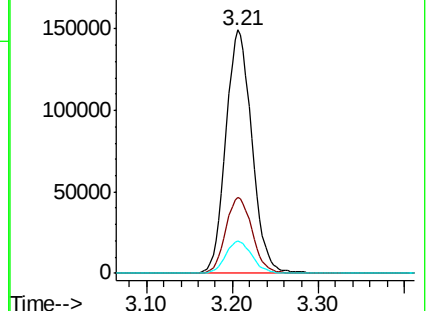
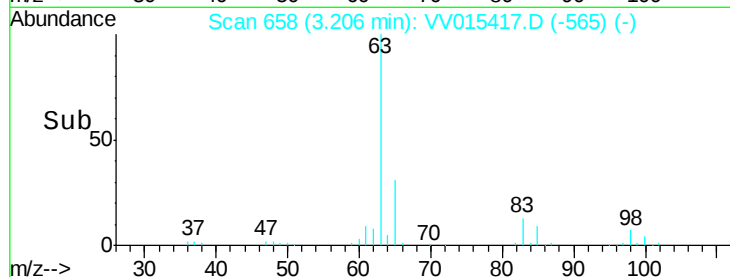
83 13.2 9.4 17.6



Abundance Ion 63.10 (62.80 to 63.80): VV0

Ion 65.10 (64.80 to 65.80): VV0

Ion 83.05 (82.75 to 83.75): VV0



#21

2-Butanone

Concen: 218.948 ug/L

RT: 4.03 min Scan# 915

Delta R.T. -0.02 min

Lab File: VV015417.D

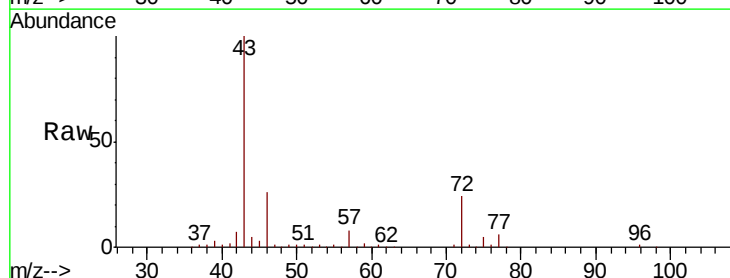
Acq: 09 Apr 2020 13:37

Tgt Ion: 43 Resp: 454912

Ion Ratio Lower Upper

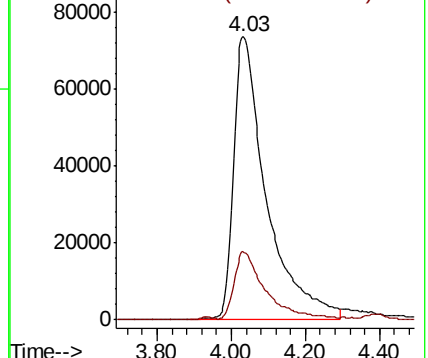
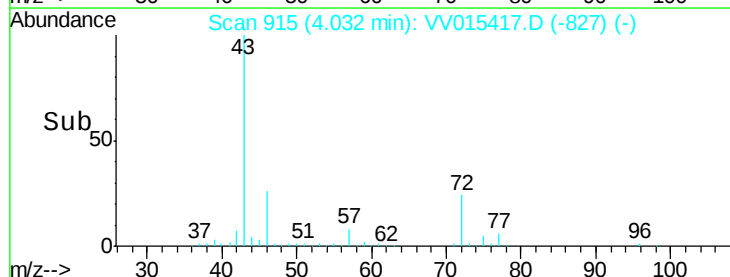
43 100

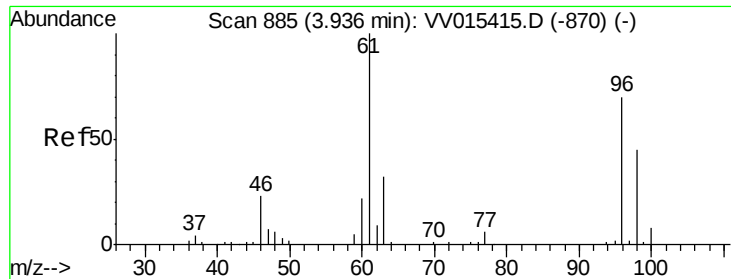
72 21.6 5.9 17.8#



Abundance Ion 43.00 (42.70 to 43.70): VV0

Ion 72.00 (71.70 to 72.70): VV0



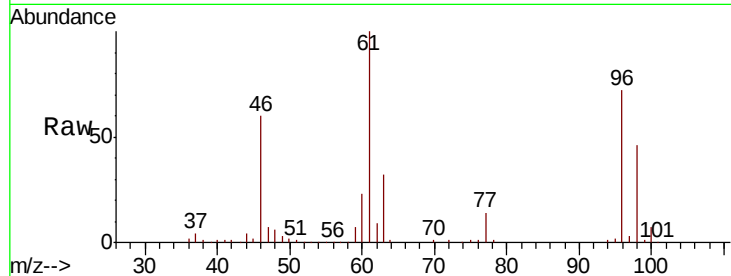


#22

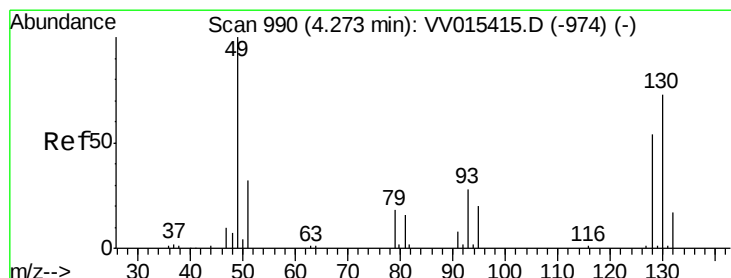
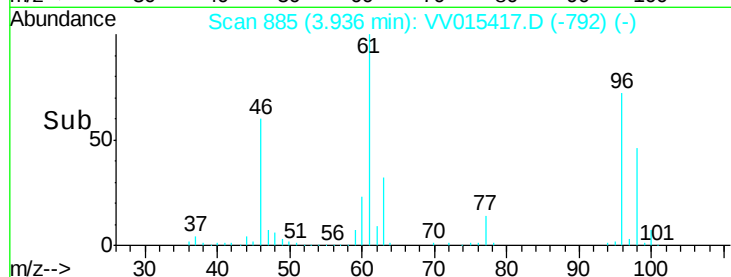
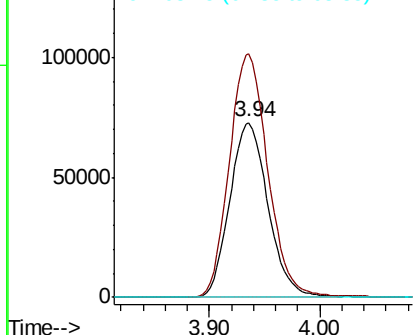
cis-1,2-Dichloroethene
 Concen: 16.433 ug/L
 RT: 3.94 min Scan# 885
 Delta R.T. 0.00 min
 Lab File: VV015417.D
 Acq: 09 Apr 2020 13:37

Instrument :
 MSVOA_V
 ClientSampled :

Tot Ion: 96 Resp: 174694
 Ion Ratio Lower Upper
 96 100
 61 139.3 100.0 185.8
 68 0.0 0.0 0.0



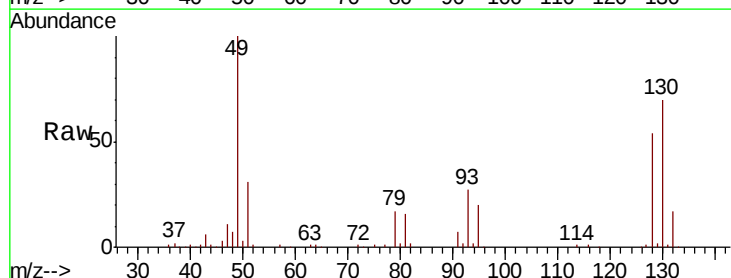
Abundance Ion 96.00 (95.70 to 96.70): VV0
 Ion 61.05 (60.75 to 61.75): VV0
 Ion 68.15 (67.85 to 68.85): VV0



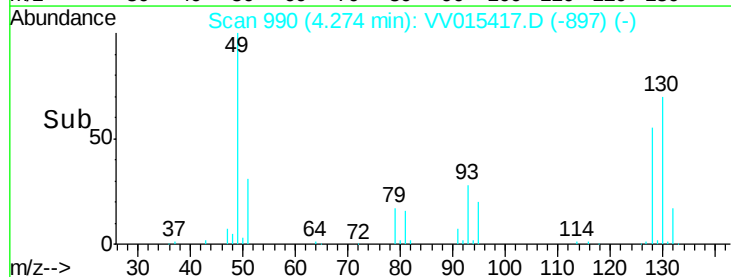
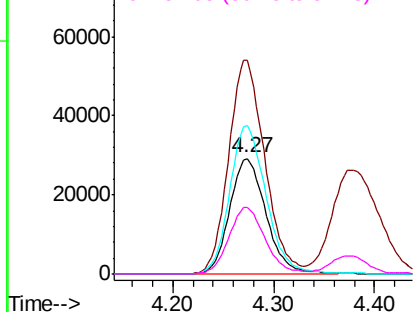
#23

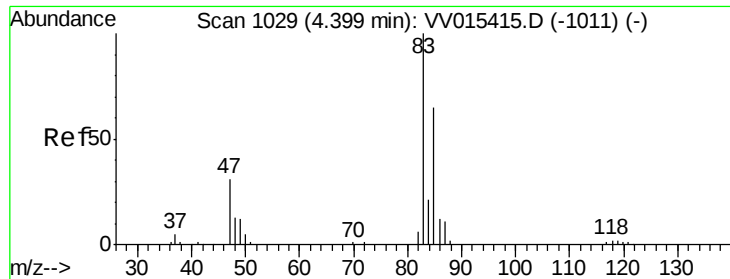
Bromochloromethane
 Concen: 16.804 ug/L
 RT: 4.27 min Scan# 990
 Delta R.T. 0.00 min
 Lab File: VV015417.D
 Acq: 09 Apr 2020 13:37

Tgt Ion: 128 Resp: 73172
 Ion Ratio Lower Upper
 128 100
 49 184.6 128.8 239.2
 130 128.4 93.5 173.7
 51 57.6 47.8 71.6



Abundance Ion 127.90 (127.60 to 128.60): V
 Ion 49.10 (48.80 to 49.80): VV0
 Ion 129.95 (129.65 to 130.65): V
 Ion 51.05 (50.75 to 51.75): VV0

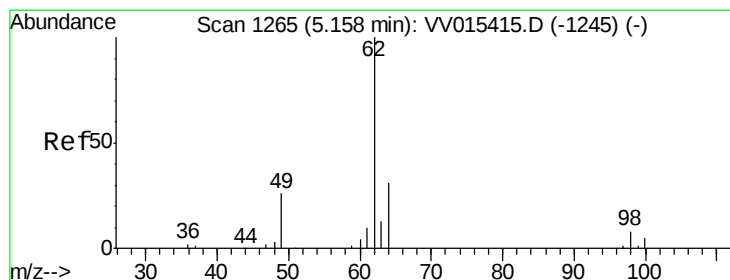
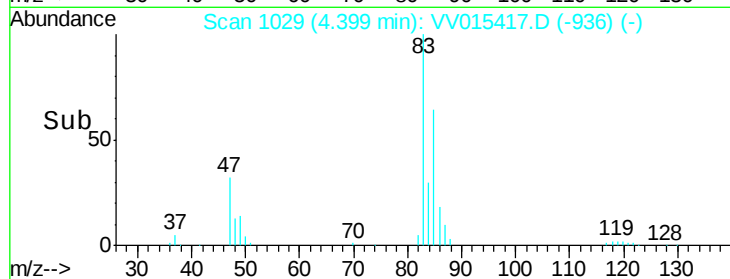
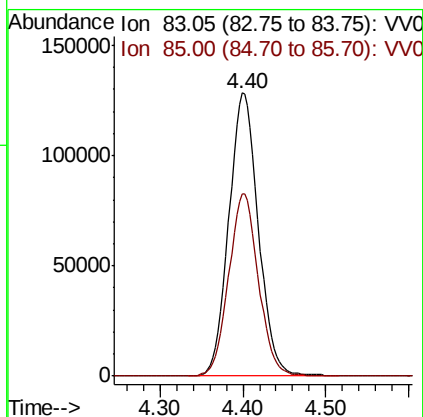
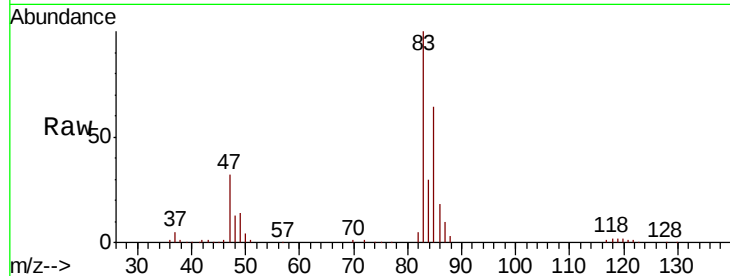




#25
Chloroform
Concen: 15.745 ug/L
RT: 4.40 min Scan# 1029
Delta R.T. 0.00 min
Lab File: VV015417.D
Acq: 09 Apr 2020 13:37

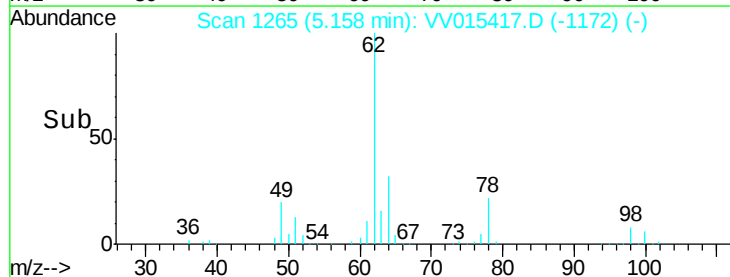
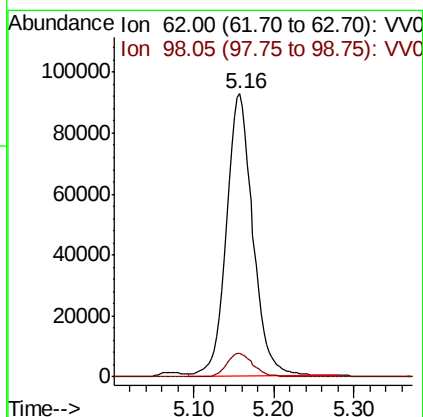
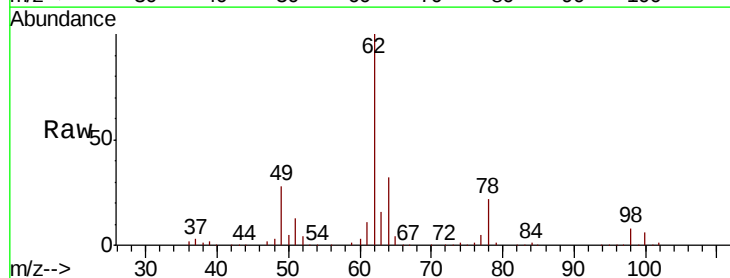
Instrument :
MSVOA_V
ClientSampleId :

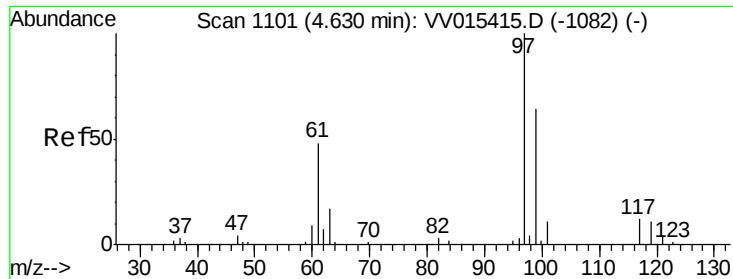
Tot Ion: 83 Resp: 318576
Ion Ratio Lower Upper
83 100
85 64.3 45.9 85.3



#27
1,2-Dichloroethane
Concen: 23.039 ug/L
RT: 5.16 min Scan# 1265
Delta R.T. 0.00 min
Lab File: VV015417.D
Acq: 09 Apr 2020 13:37

Tgt Ion: 62 Resp: 209247
Ion Ratio Lower Upper
62 100
98 8.4 6.6 10.0

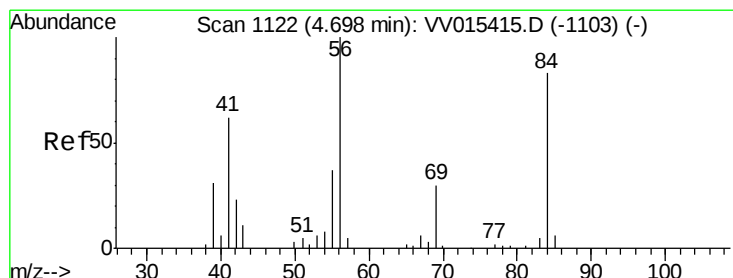
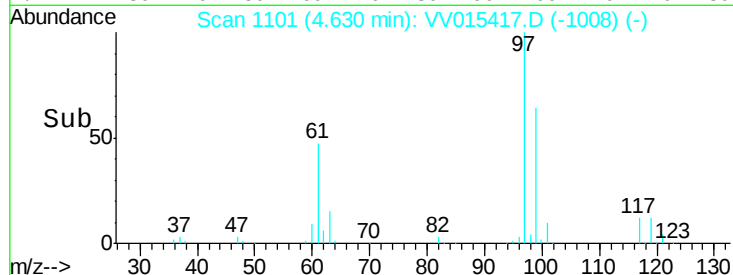
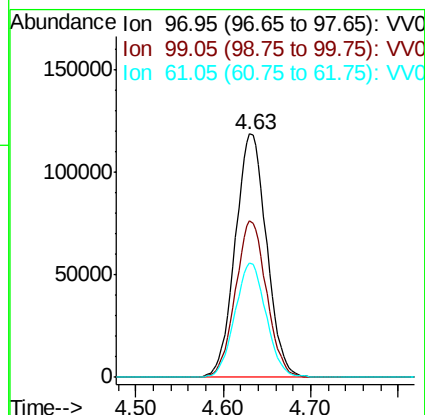
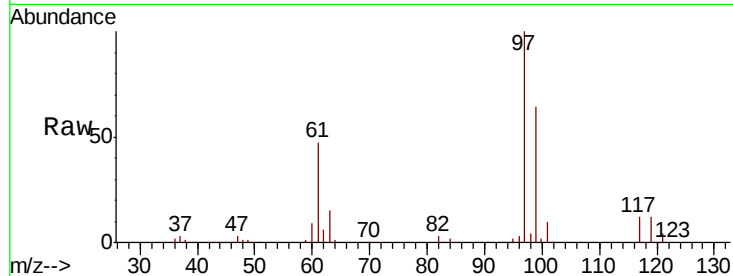




#29
 1,1,1-Trichloroethane
 Concen: 17.463 ug/L
 RT: 4.63 min Scan# 1101
 Delta R.T. 0.00 min
 Lab File: VV015417.D
 Acq: 09 Apr 2020 13:37

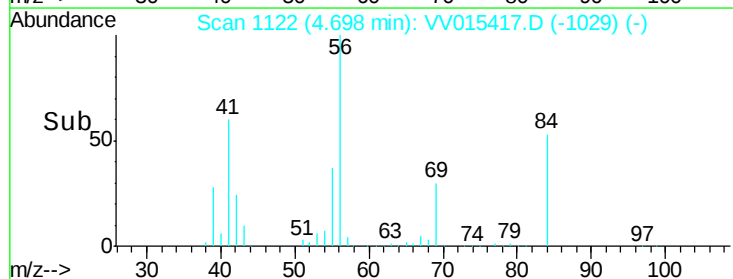
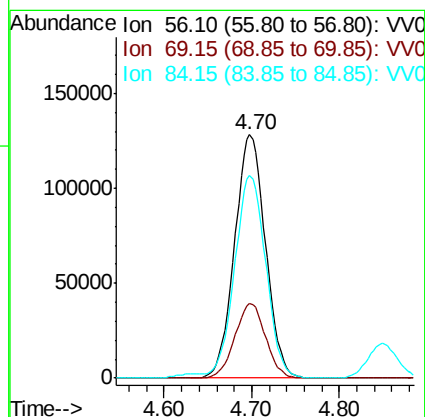
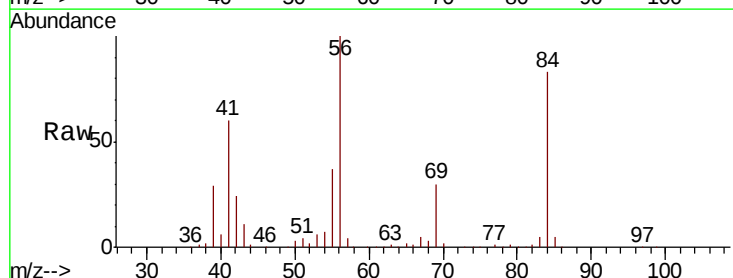
Instrument :
 MSVOA_V
 ClientSampled :

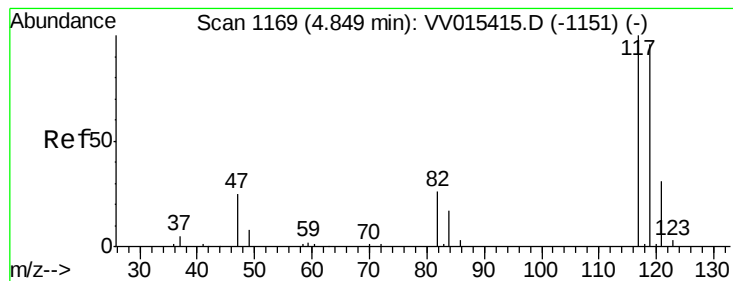
Tot Ion	Ratio	Lower	Upper
97	100		
99	63.7	51.6	77.4
61	47.0	39.0	58.6



#30
 Cyclohexane
 Concen: 19.230 ug/L
 RT: 4.70 min Scan# 1122
 Delta R.T. 0.00 min
 Lab File: VV015417.D
 Acq: 09 Apr 2020 13:37

Tgt Ion	Ratio	Lower	Upper
56	100		
69	30.4	24.2	36.4
84	84.5	68.4	102.6





#31

Carbon tetrachloride

Concen: 17.597 ug/L

RT: 4.85 min Scan# 1169

Delta R.T. 0.00 min

Lab File: VV015417.D

Acq: 09 Apr 2020 13:37

Instrument :

MSVOA_V

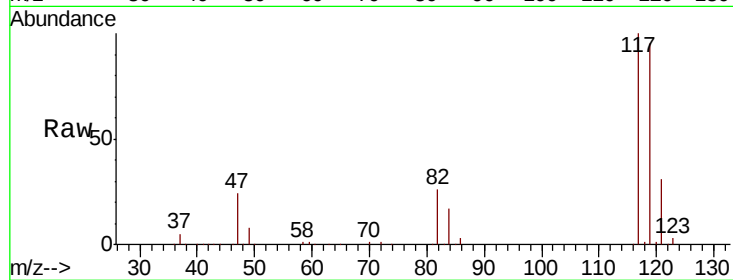
ClientSampled :

Tot Ion:117 Resp: 256865

Ion Ratio Lower Upper

117 100

119 95.3 76.6 115.0



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V

4.85

120000

100000

80000

60000

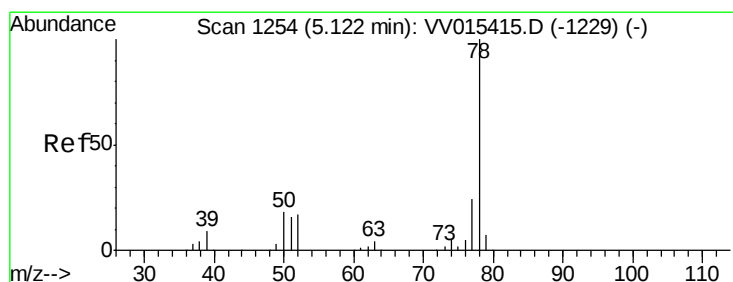
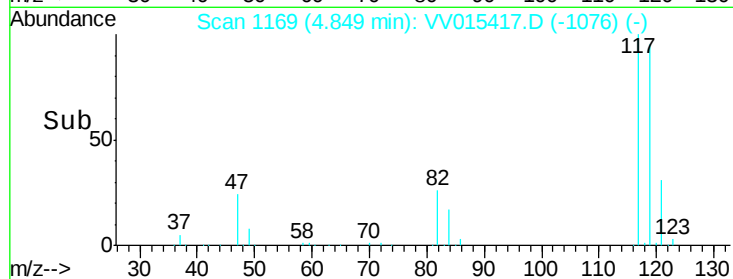
40000

20000

0

Time-->

4.80 4.90 5.00



#33

Benzene

Concen: 22.743 ug/L

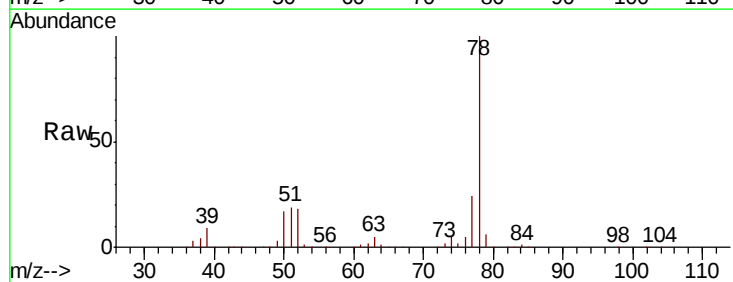
RT: 5.12 min Scan# 1254

Delta R.T. 0.00 min

Lab File: VV015417.D

Acq: 09 Apr 2020 13:37

Tgt Ion: 78 Resp: 682670



Abundance Ion 78.10 (77.80 to 78.80): VV0

5.12

300000

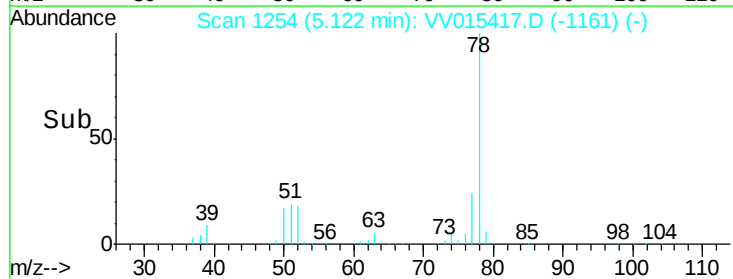
200000

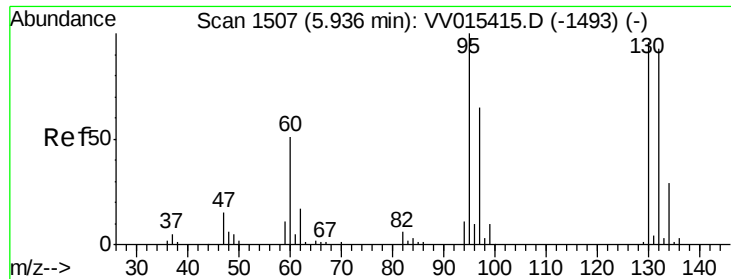
100000

0

Time-->

5.00 5.10 5.20 5.30





#34

Trichloroethene

Concen: 21.323 ug/L

RT: 5.94 min Scan# 1507

Delta R.T. 0.00 min

Lab File: VV015417.D

Acq: 09 Apr 2020 13:37

Instrument :

MSVOA_V

ClientSampleId :

Tot Ion: 95 Resp: 181067

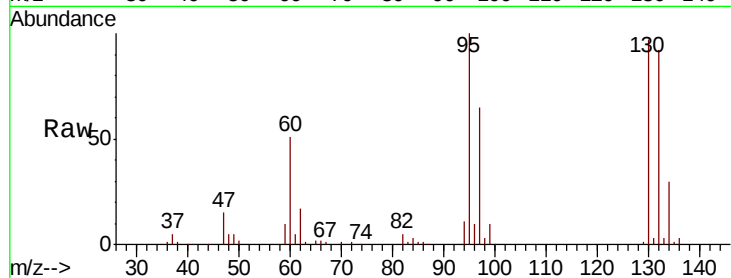
Ion Ratio Lower Upper

95 100

97 64.9 45.4 84.4

132 92.1 64.8 120.4

130 97.1 67.4 125.2

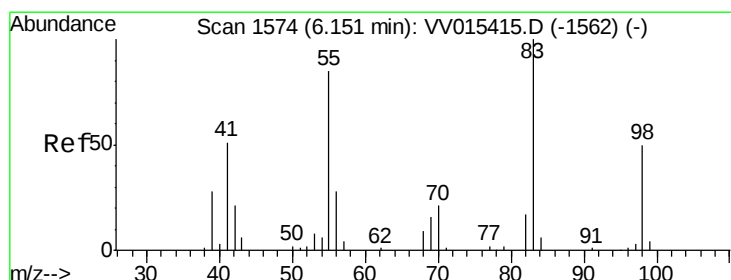
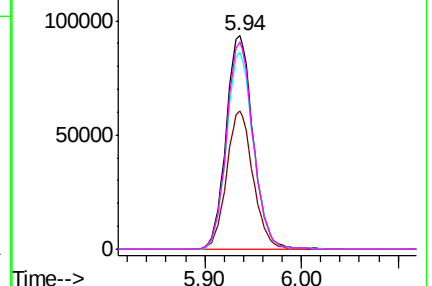
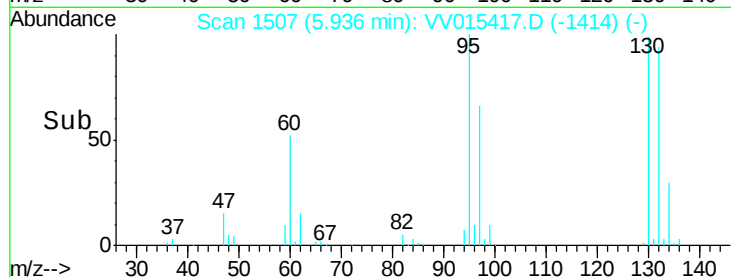


Abundance Ion 95.00 (94.70 to 95.70): VV0

Ion 96.95 (96.65 to 97.65): VV0

Ion 131.95 (131.65 to 132.65): VV0

Ion 129.95 (129.65 to 130.65): VV0



#35

Methylcyclohexane

Concen: 21.320 ug/L

RT: 6.15 min Scan# 1574

Delta R.T. 0.00 min

Lab File: VV015417.D

Acq: 09 Apr 2020 13:37

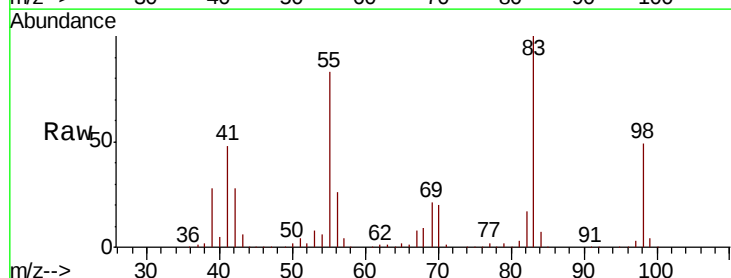
Tgt Ion: 83 Resp: 315054

Ion Ratio Lower Upper

83 100

55 81.6 66.6 99.8

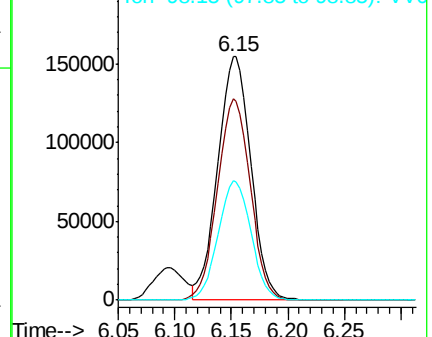
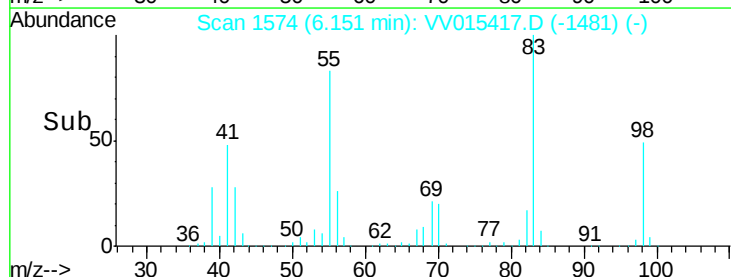
98 48.5 38.7 58.1

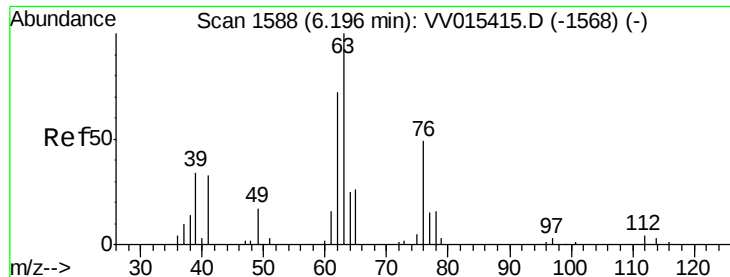


Abundance Ion 83.15 (82.85 to 83.85): VV0

Ion 55.10 (54.80 to 55.80): VV0

Ion 98.15 (97.85 to 98.85): VV0

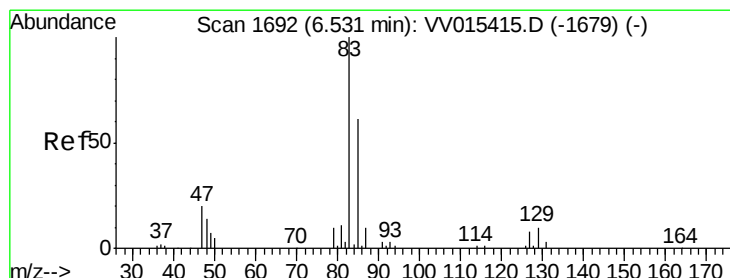
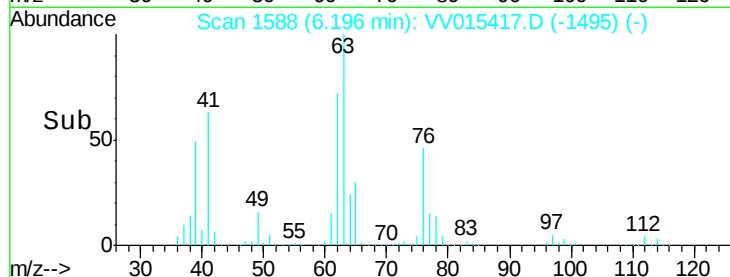
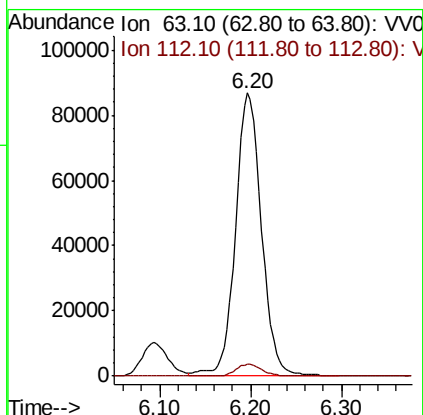
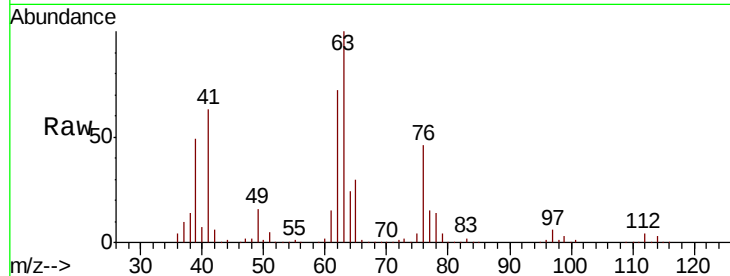




#37
 1,2-Dichloropropane
 Concen: 23.617 ug/L
 RT: 6.20 min Scan# 1588
 Delta R.T. 0.00 min
 Lab File: VV015417.D
 Acq: 09 Apr 2020 13:37

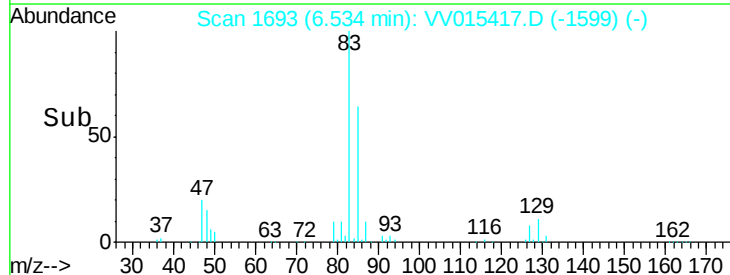
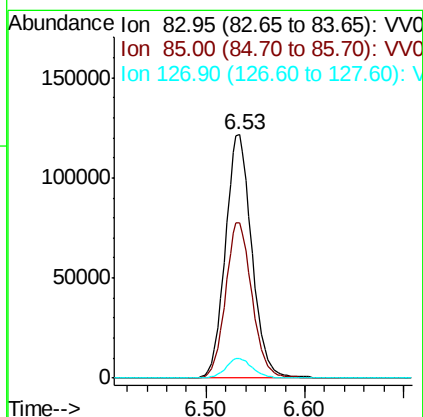
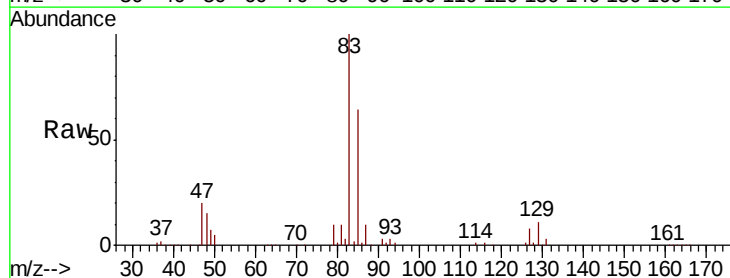
Instrument :
 MSVOA_V
 ClientSampleId :

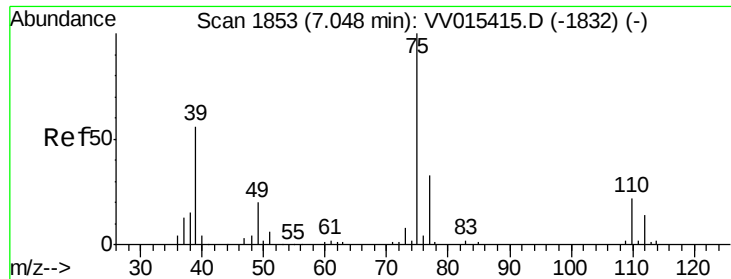
Tot Ion: 63 Resp: 171277
 Ion Ratio Lower Upper
 63 100
 112 4.2 3.6 5.4



#38
 Bromodichloromethane
 Concen: 22.851 ug/L
 RT: 6.53 min Scan# 1693
 Delta R.T. 0.00 min
 Lab File: VV015417.D
 Acq: 09 Apr 2020 13:37

Tgt Ion: 83 Resp: 228282
 Ion Ratio Lower Upper
 83 100
 85 63.9 42.6 79.2
 127 8.1 6.6 9.8

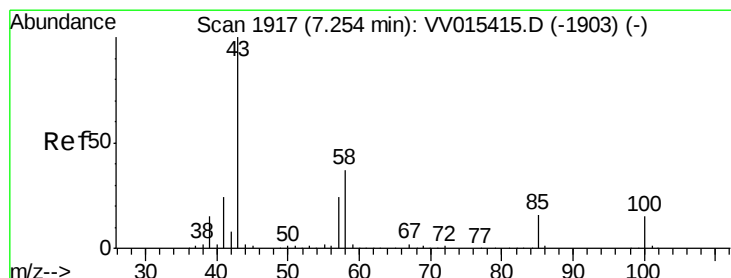
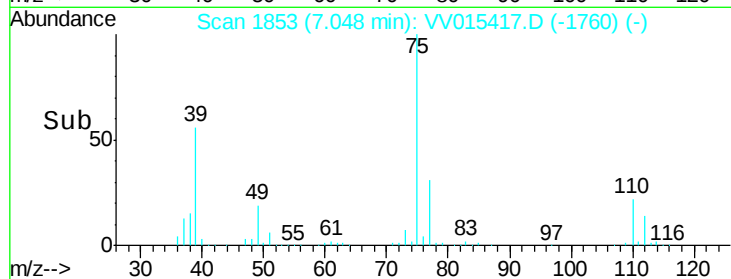
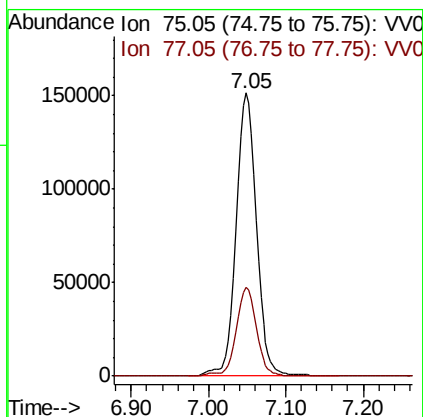
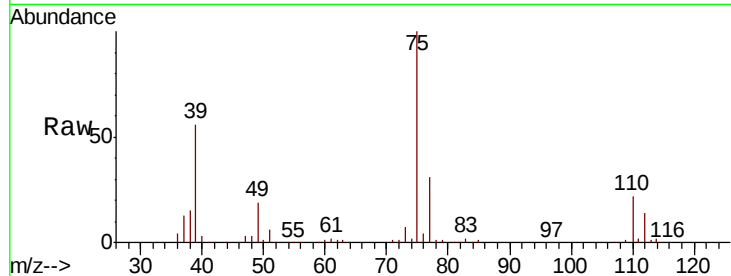




#39
 cis-1,3-Dichloropropene
 Concen: 24.008 ug/L
 RT: 7.05 min Scan# 1853
 Delta R.T. 0.00 min
 Lab File: VV015417.D
 Acq: 09 Apr 2020 13:37

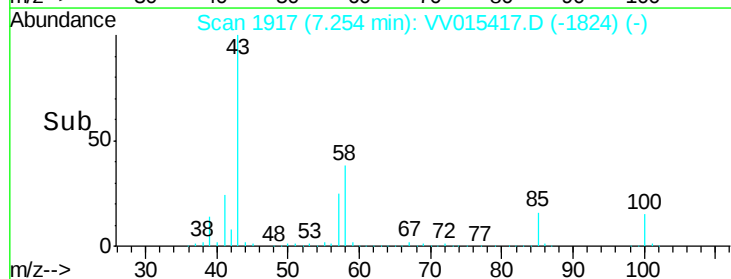
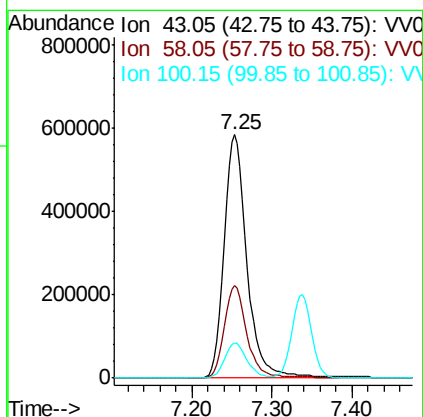
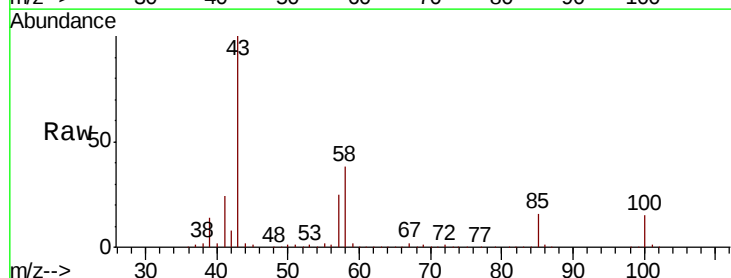
Instrument :
 MSVOA_V
 ClientSampleId :

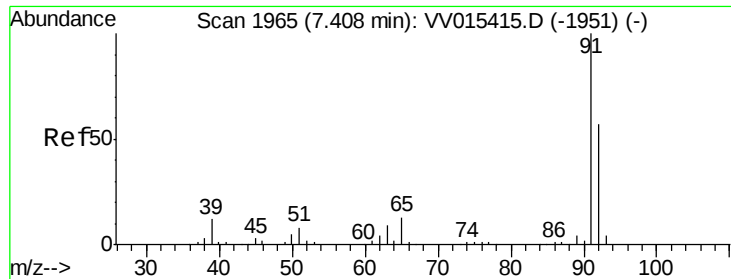
Tot Ion: 75 Resp: 273751
 Ion Ratio Lower Upper
 75 100
 77 31.3 23.0 42.6



#40
 4-Methyl-2-pentanone
 Concen: 271.355 ug/L
 RT: 7.25 min Scan# 1917
 Delta R.T. 0.00 min
 Lab File: VV015417.D
 Acq: 09 Apr 2020 13:37

Tgt Ion: 43 Resp: 1146197
 Ion Ratio Lower Upper
 43 100
 58 37.3 29.0 43.6
 100 14.1 11.0 16.6





#42

Toluene

Concen: 21.205 ug/L

RT: 7.41 min Scan# 1965

Delta R.T. 0.00 min

Lab File: VV015417.D

Acq: 09 Apr 2020 13:37

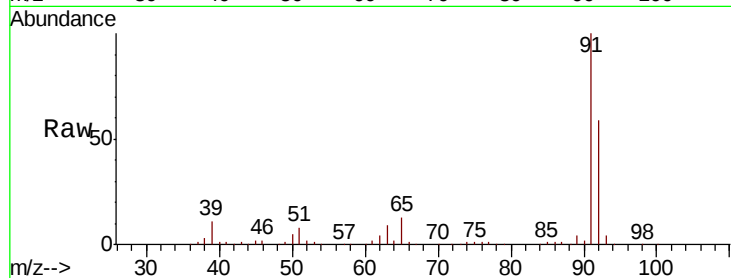
Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 91 Resp: 753709

Ion Ratio Lower Upper

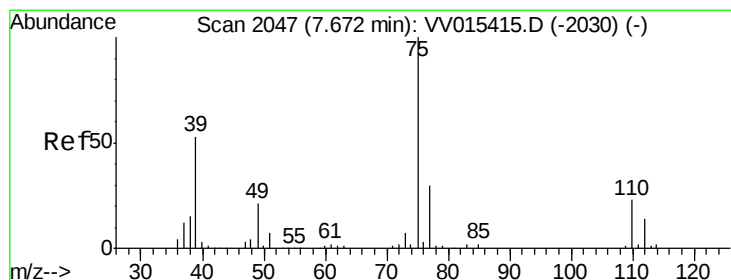
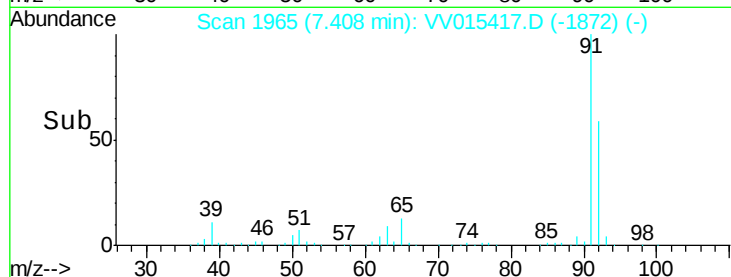
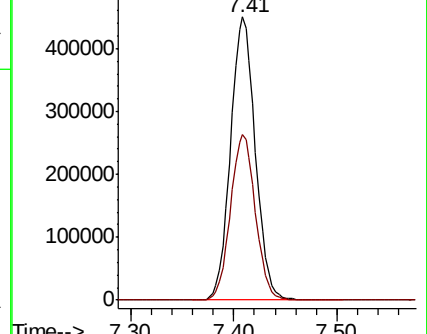
91 100

92 58.6 40.2 74.6



Abundance Ion 91.15 (90.85 to 91.85): VV0

Ion 92.15 (91.85 to 92.85): VV0



#44

trans-1,3-Dichloropropene

Concen: 24.087 ug/L

RT: 7.67 min Scan# 2047

Delta R.T. 0.00 min

Lab File: VV015417.D

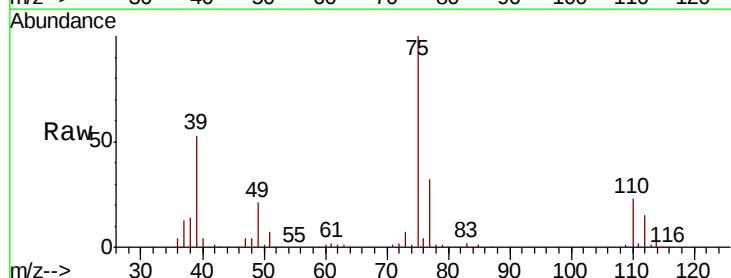
Acq: 09 Apr 2020 13:37

Tgt Ion: 75 Resp: 234141

Ion Ratio Lower Upper

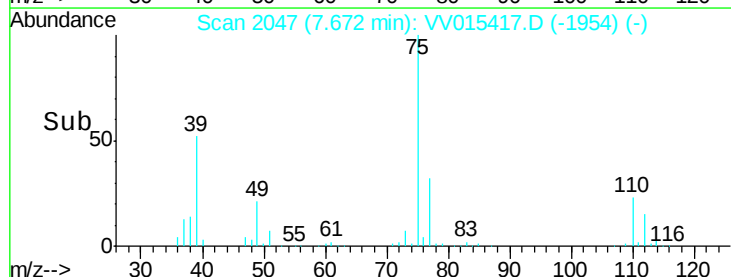
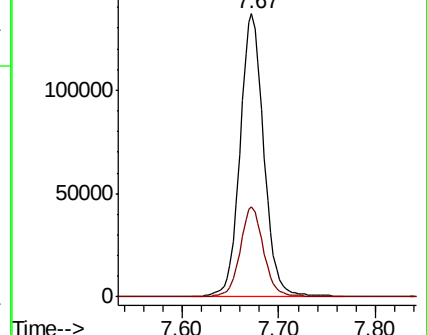
75 100

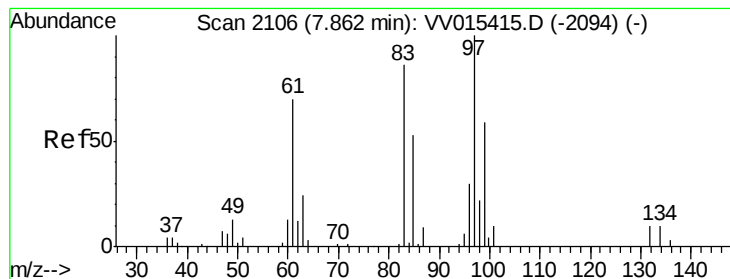
77 31.8 21.0 39.0



Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 77.05 (76.75 to 77.75): VV0





#45

1,1,2-Trichloroethane

Concen: 21.517 ug/L

RT: 7.86 min Scan# 2106

Delta R.T. 0.00 min

Lab File: VV015417.D

Acq: 09 Apr 2020 13:37

Instrument :

MSVOA_V

ClientSampled :

Tot Ion: 97 Resp: 116335

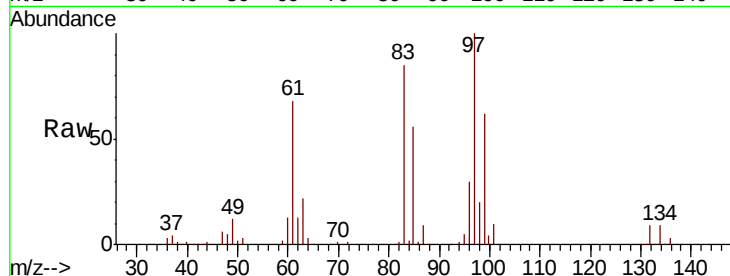
Ion Ratio Lower Upper

97 100

99 62.2 41.3 76.7

83 84.6 60.5 112.3

85 55.6 36.8 68.4

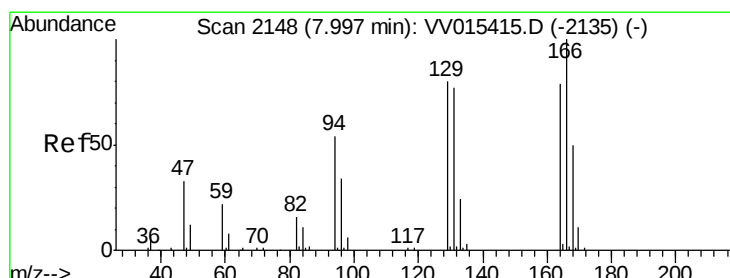
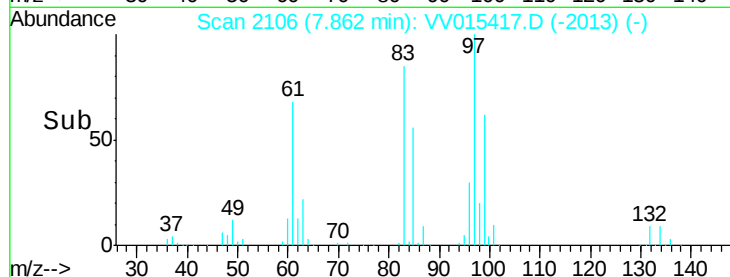
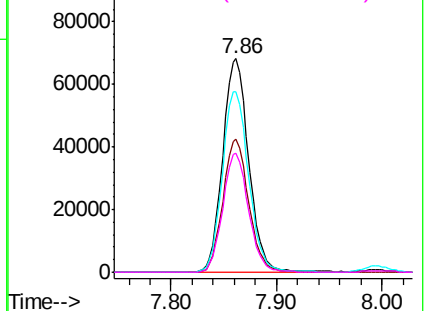


Abundance Ion 96.95 (96.65 to 97.65): VV0

Ion 99.05 (98.75 to 99.75): VV0

Ion 82.95 (82.65 to 83.65): VV0

Ion 85.00 (84.70 to 85.70): VV0



#47

Tetrachloroethene

Concen: 21.923 ug/L

RT: 8.00 min Scan# 2148

Delta R.T. 0.00 min

Lab File: VV015417.D

Acq: 09 Apr 2020 13:37

Tgt Ion: 164 Resp: 137080

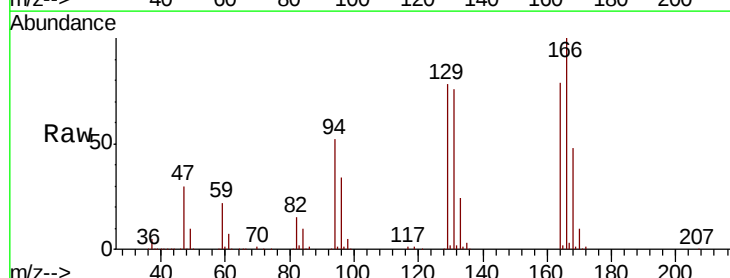
Ion Ratio Lower Upper

164 100

129 98.1 70.6 131.0

131 96.0 68.3 126.8

166 126.5 88.3 163.9

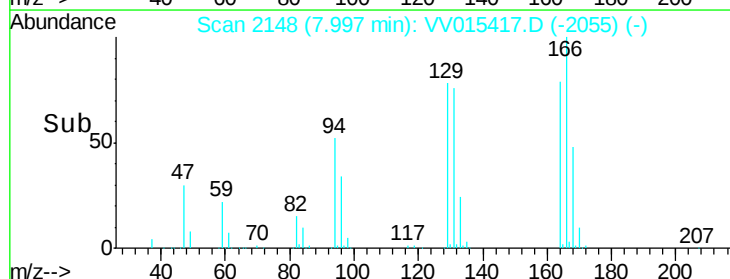
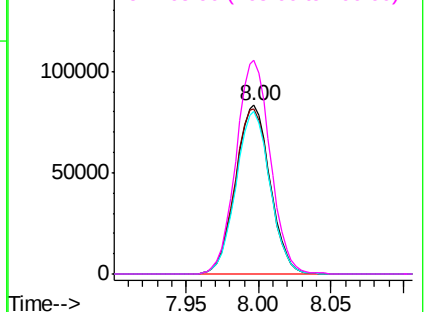


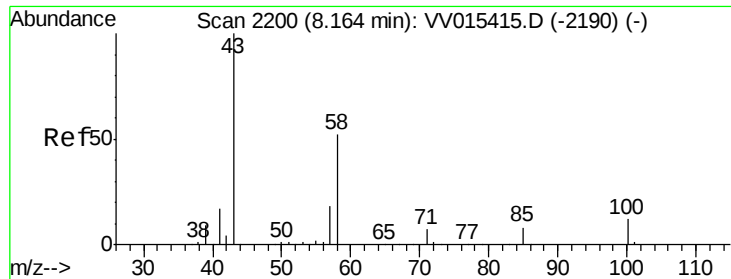
Abundance Ion 163.90 (163.60 to 164.60): V

Ion 128.95 (128.65 to 129.65): V

Ion 130.95 (130.65 to 131.65): V

Ion 165.90 (165.60 to 166.60): V

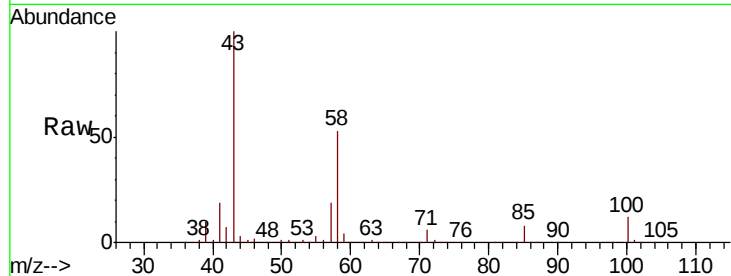




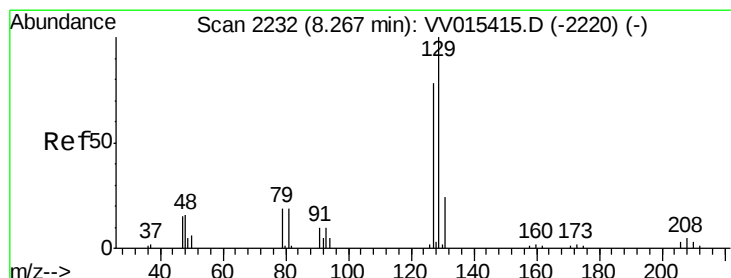
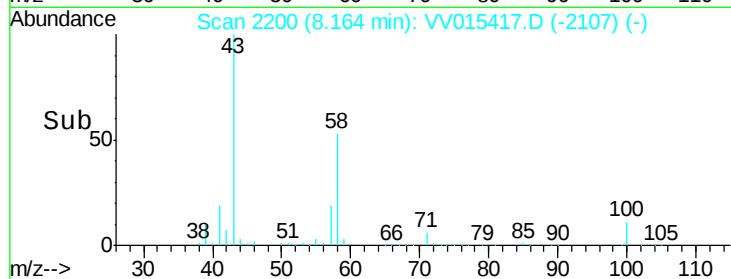
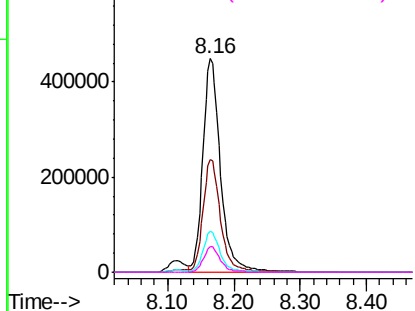
#48
2-Hexanone
Concen: 276.164 ug/L
RT: 8.16 min Scan# 2200
Delta R.T. 0.00 min
Lab File: VV015417.D
Acq: 09 Apr 2020 13:37

Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 43 Resp: 828311
Ion Ratio Lower Upper
43 100
58 52.0 41.4 62.0
57 19.1 15.0 22.4
100 11.7 9.4 14.2

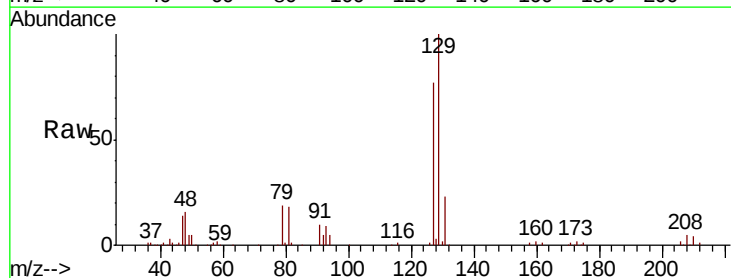


Abundance Ion 43.05 (42.75 to 43.75): VV015417.D (-2107) (-)
Ion 58.05 (57.75 to 58.75): VV015417.D (-2107) (-)
Ion 57.20 (56.90 to 57.90): VV015417.D (-2107) (-)
Ion 100.15 (99.85 to 100.85): VV015417.D (-2107) (-)

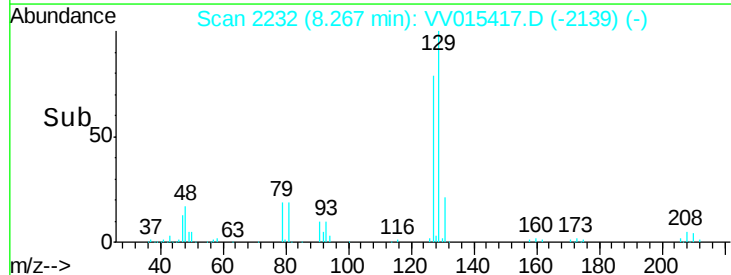
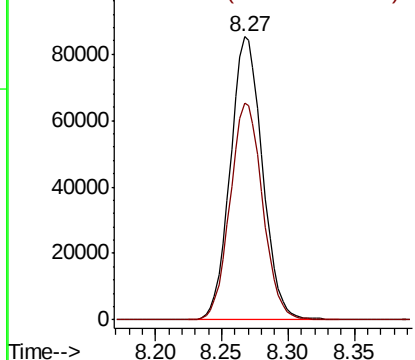


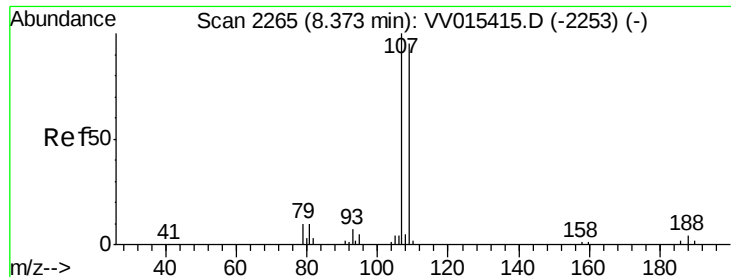
#49
Dibromochloromethane
Concen: 22.481 ug/L
RT: 8.27 min Scan# 2232
Delta R.T. 0.00 min
Lab File: VV015417.D
Acq: 09 Apr 2020 13:37

Tgt Ion: 129 Resp: 143600
Ion Ratio Lower Upper
129 100
127 76.7 54.7 101.7



Abundance Ion 128.95 (128.65 to 129.65): VV015417.D (-2139) (-)
Ion 126.90 (126.60 to 127.60): VV015417.D (-2139) (-)

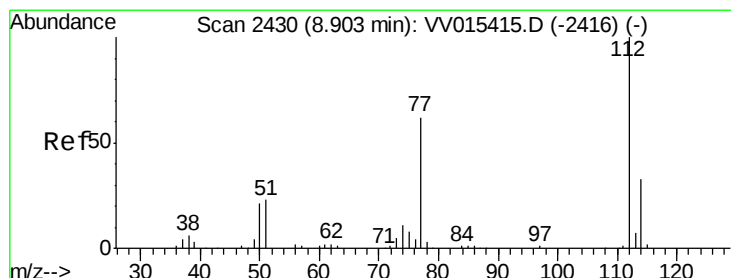
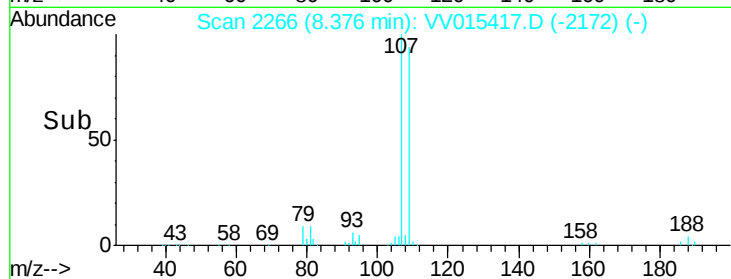
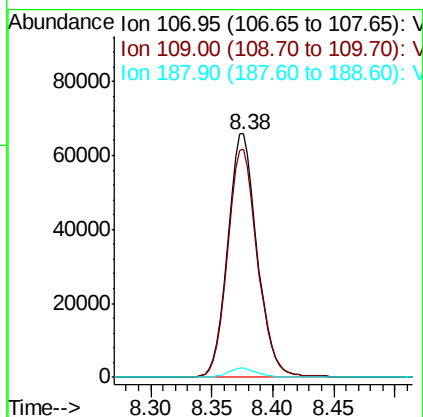
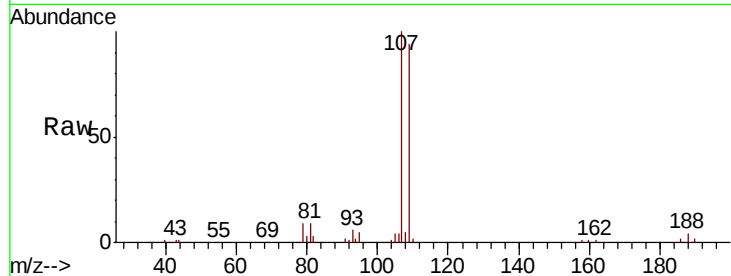




#50
1,2-Dibromoethane
Concen: 21.697 ug/L
RT: 8.38 min Scan# 2266
Delta R.T. 0.00 min
Lab File: VV015417.D
Acq: 09 Apr 2020 13:37

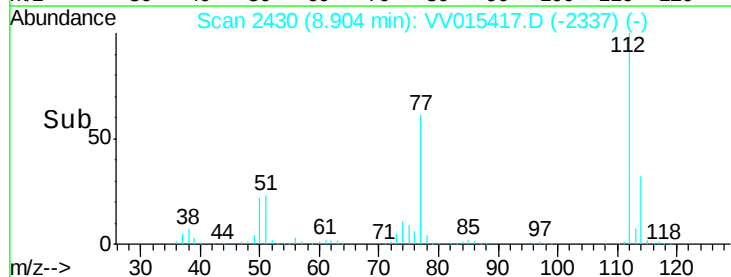
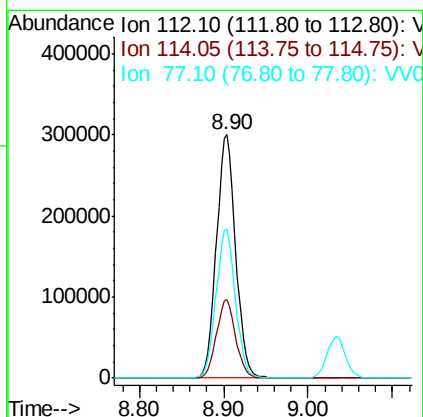
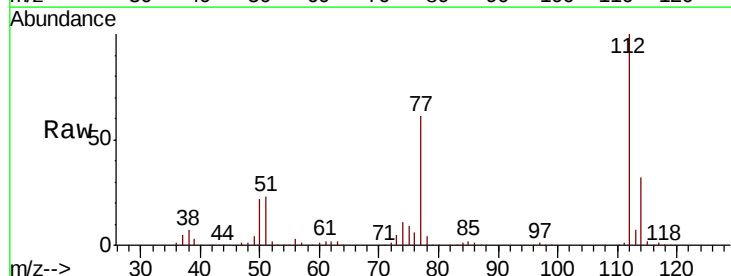
Instrument :
MSVOA_V
ClientSampleId :

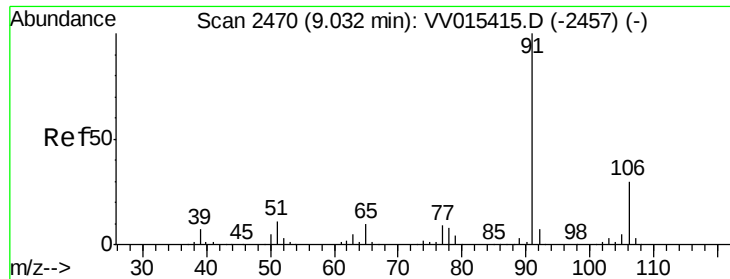
Tot Ion:107 Resp: 111434
Ion Ratio Lower Upper
107 100
109 93.5 66.7 123.9
188 3.6 2.9 4.3



#51
Chlorobenzene
Concen: 20.659 ug/L
RT: 8.90 min Scan# 2430
Delta R.T. 0.00 min
Lab File: VV015417.D
Acq: 09 Apr 2020 13:37

Tgt Ion:112 Resp: 474683
Ion Ratio Lower Upper
112 100
114 32.1 22.9 42.5
77 61.3 49.8 74.8





#52

Ethylbenzene

Concen: 21.394 ug/L

RT: 9.03 min Scan# 2470

Delta R.T. 0.00 min

Lab File: VV015417.D

Acq: 09 Apr 2020 13:37

Instrument :

MSVOA_V

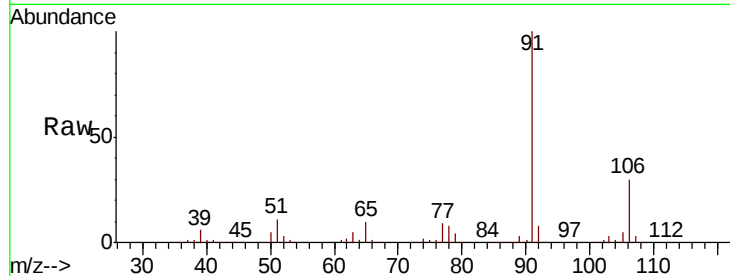
ClientSampleId :

Tot Ion: 91 Resp: 876823

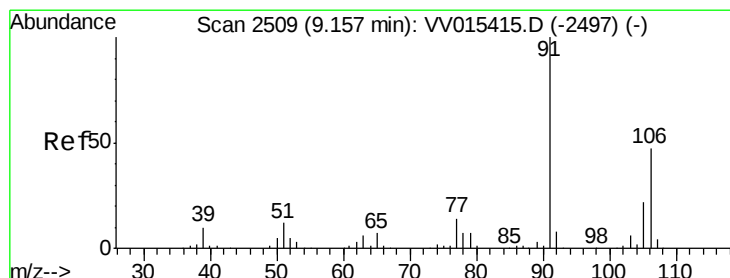
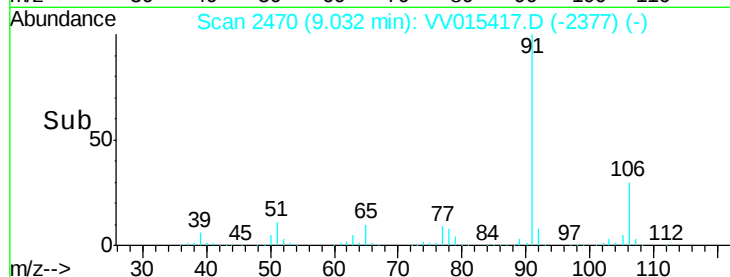
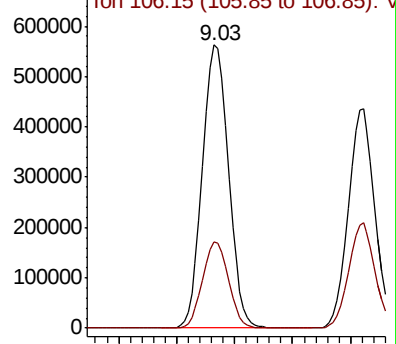
Ion Ratio Lower Upper

91 100

106 30.3 20.8 38.6



Abundance Ion 91.15 (90.85 to 91.85): VV015417.D (-2457) (-)



#53

m,p-xylene

Concen: 21.001 ug/L

RT: 9.16 min Scan# 2510

Delta R.T. 0.00 min

Lab File: VV015417.D

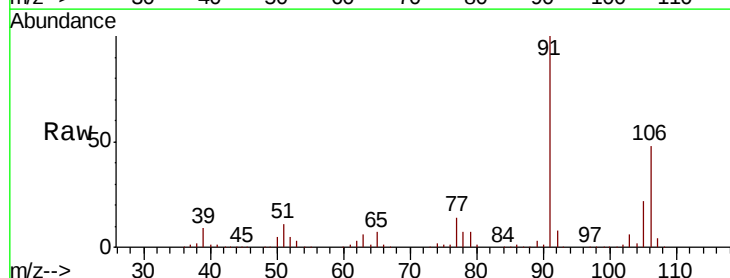
Acq: 09 Apr 2020 13:37

Tgt Ion: 106 Resp: 331510

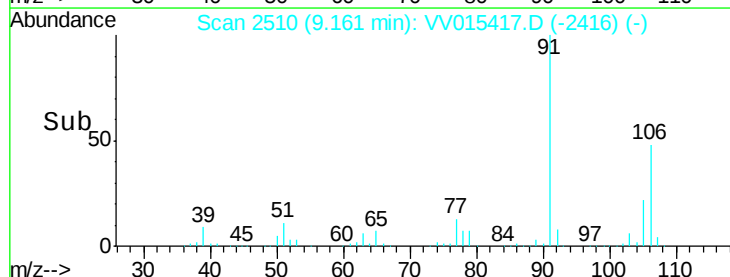
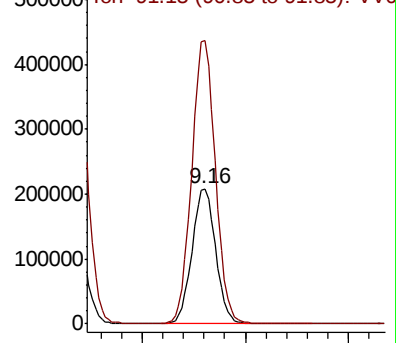
Ion Ratio Lower Upper

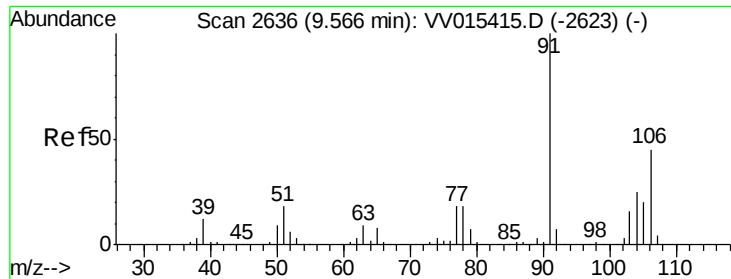
106 100

91 209.2 147.9 274.7



Abundance Ion 106.15 (105.85 to 106.85): VV015417.D (-2497) (-)

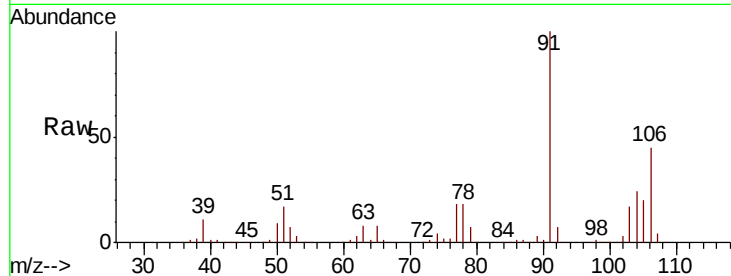




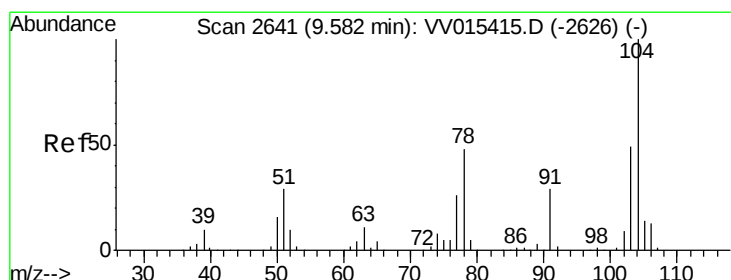
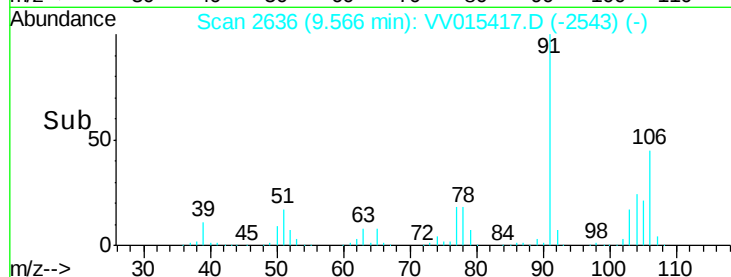
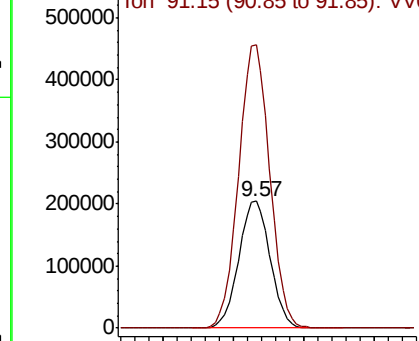
#54
o-xylene
Concen: 20.871 ug/L
RT: 9.57 min Scan# 2636
Delta R.T. 0.00 min
Lab File: VV015417.D
Acq: 09 Apr 2020 13:37

Instrument :
MSVOA_V
ClientSampled :

Tot Ion:106 Resp: 318993
Ion Ratio Lower Upper
106 100
91 223.1 154.5 286.9

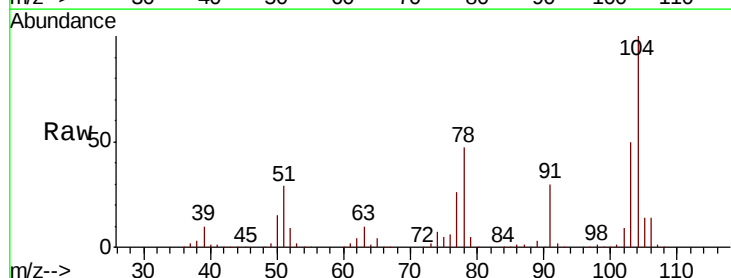


Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VV0

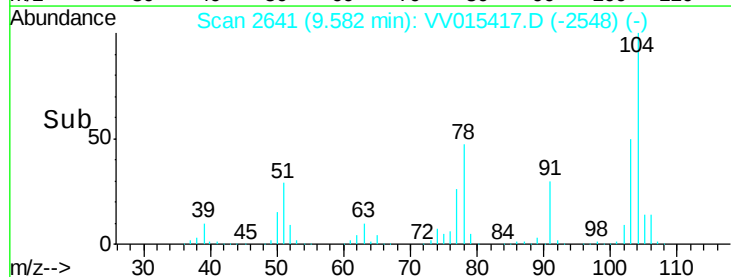
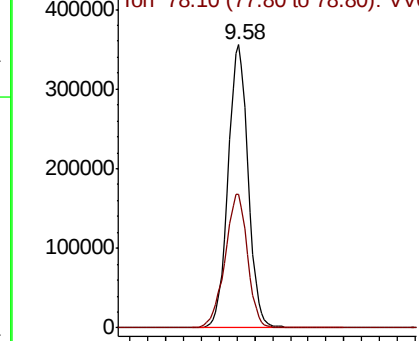


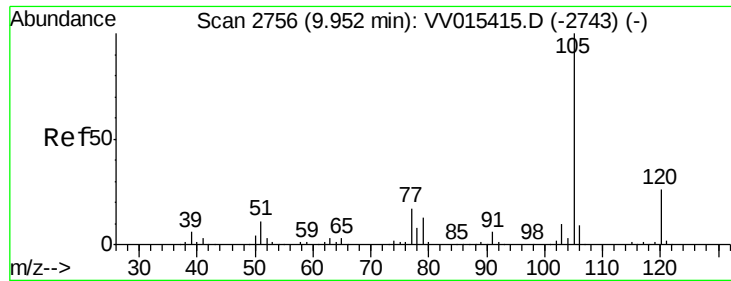
#55
Styrene
Concen: 21.857 ug/L
RT: 9.58 min Scan# 2641
Delta R.T. 0.00 min
Lab File: VV015417.D
Acq: 09 Apr 2020 13:37

Tgt Ion:104 Resp: 552513
Ion Ratio Lower Upper
104 100
78 47.0 33.5 62.3



Abundance Ion 104.10 (103.80 to 104.80): V
Ion 78.10 (77.80 to 78.80): VV0





#56

Isopropylbenzene

Concen: 21.339 ug/L

RT: 9.95 min Scan# 2756

Delta R.T. 0.00 min

Lab File: VV015417.D

Acq: 09 Apr 2020 13:37

Instrument :

MSVOA_V

ClientSampleId :

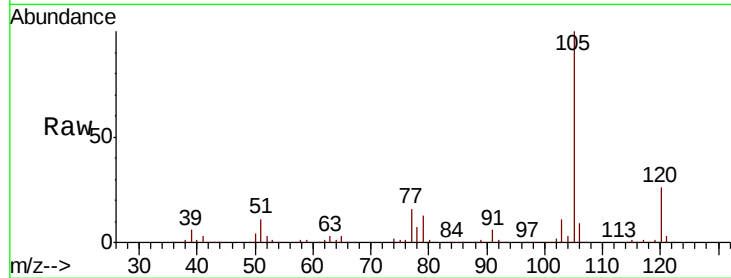
Tot Ion:105 Resp: 875181

Ion Ratio Lower Upper

105 100

120 25.8 20.7 31.1

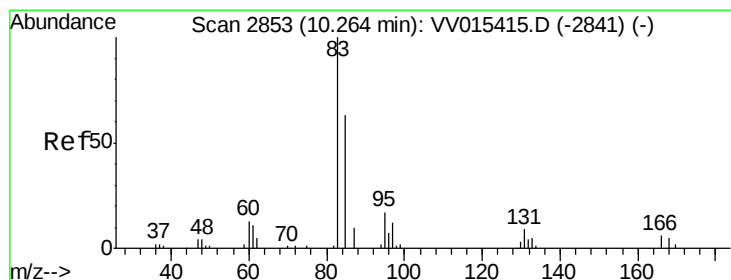
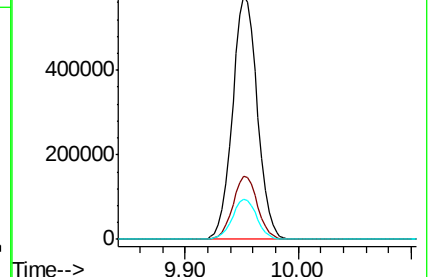
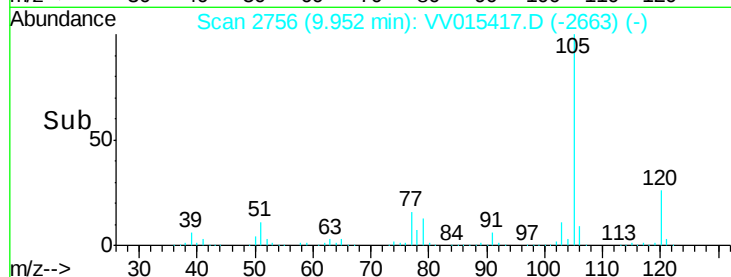
77 16.3 13.5 20.3



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.10 (119.80 to 120.80): V

Ion 77.10 (76.80 to 77.80): V



#58

1,1,2,2-Tetrachloroethane

Concen: 22.930 ug/L

RT: 10.26 min Scan# 2853

Delta R.T. 0.00 min

Lab File: VV015417.D

Acq: 09 Apr 2020 13:37

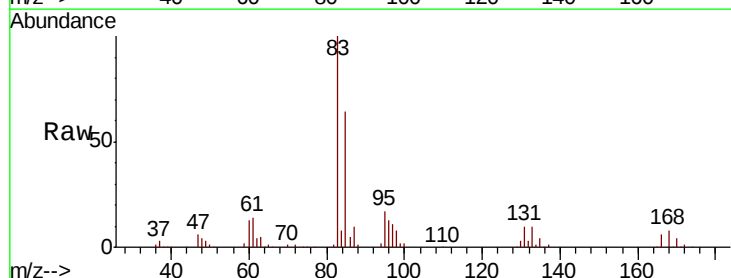
Tgt Ion: 83 Resp: 143201

Ion Ratio Lower Upper

83 100

85 64.1 44.5 82.7

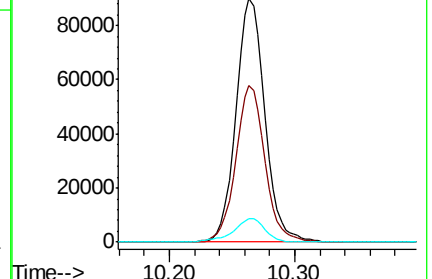
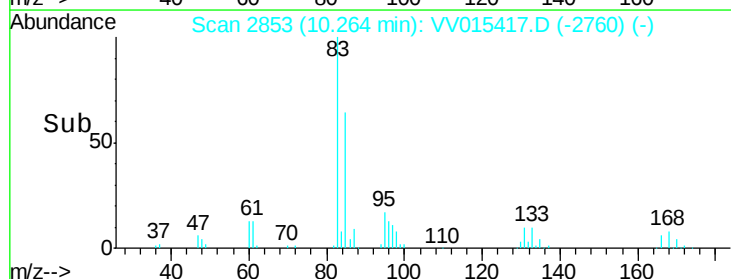
131 9.6 7.5 11.3

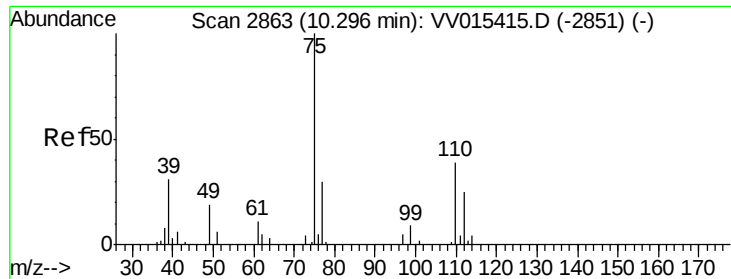


Abundance Ion 82.95 (82.65 to 83.65): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 130.95 (130.65 to 131.65): V





#59

1,2,3-Trichloropropane

Concen: 22.582 ug/L

RT: 10.30 min Scan# 2863

Delta R.T. 0.00 min

Lab File: VV015417.D

Acq: 09 Apr 2020 13:37

Instrument :

MSVOA_V

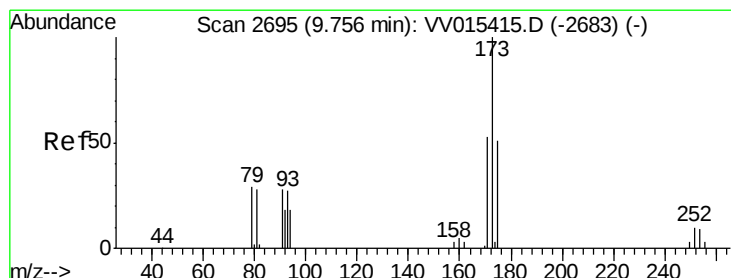
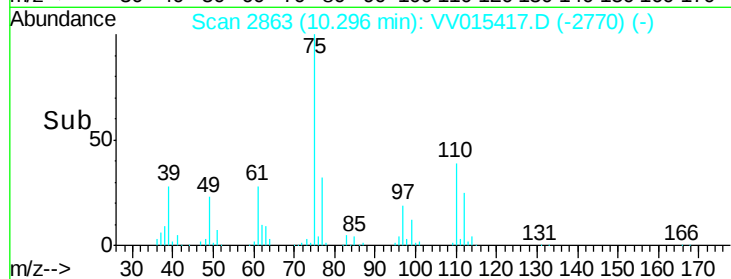
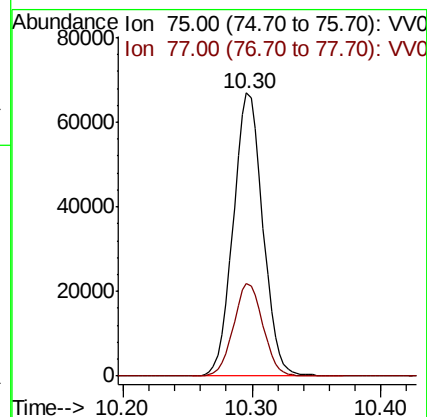
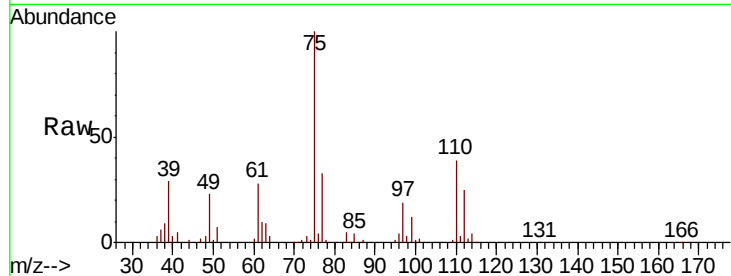
ClientSampleId :

Tot Ion: 75 Resp: 106553

Ion Ratio Lower Upper

75 100

77 32.7 25.4 38.0



#61

Bromoform

Concen: 23.741 ug/L

RT: 9.75 min Scan# 2694

Delta R.T. -0.00 min

Lab File: VV015417.D

Acq: 09 Apr 2020 13:37

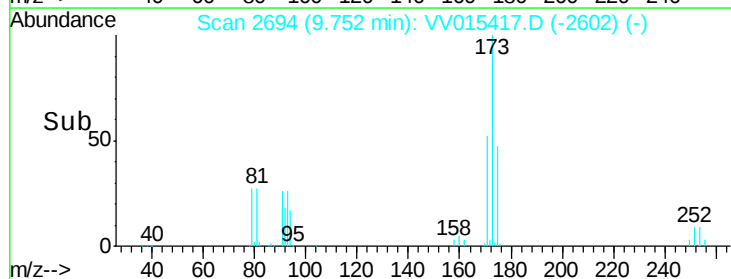
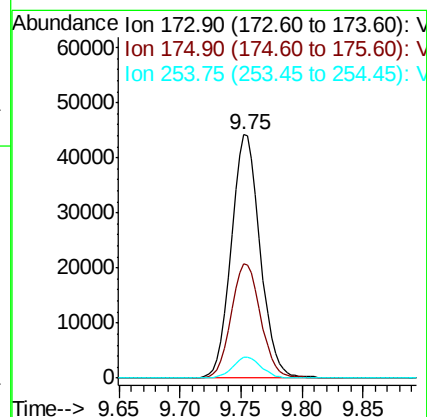
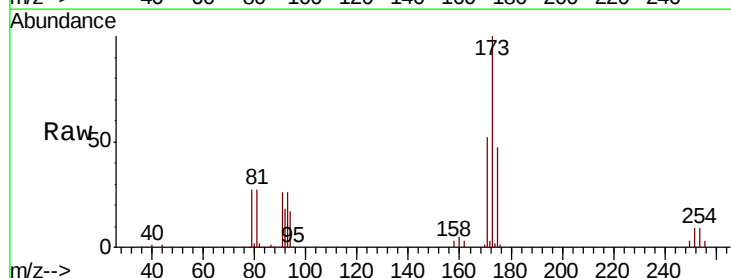
Tgt Ion: 173 Resp: 73410

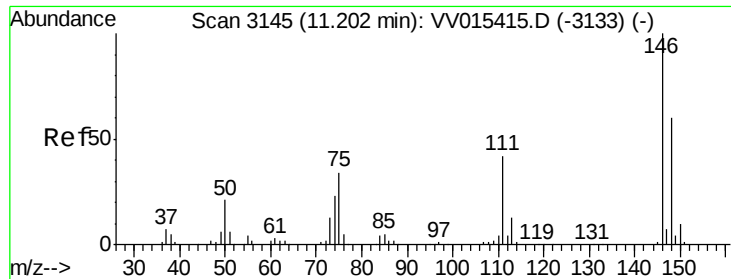
Ion Ratio Lower Upper

173 100

175 47.7 38.2 57.2

254 8.4 6.6 10.0

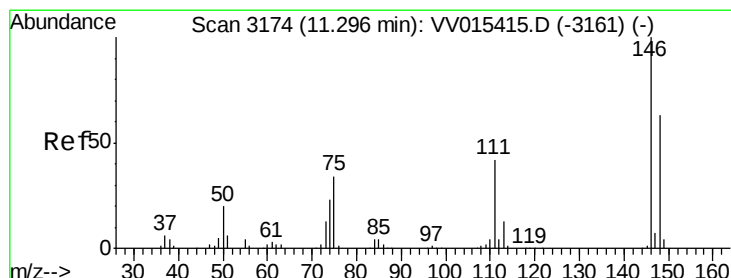
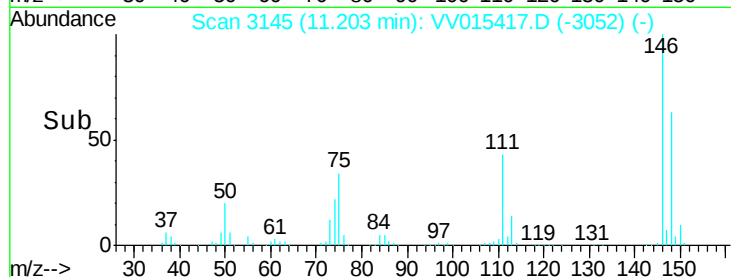
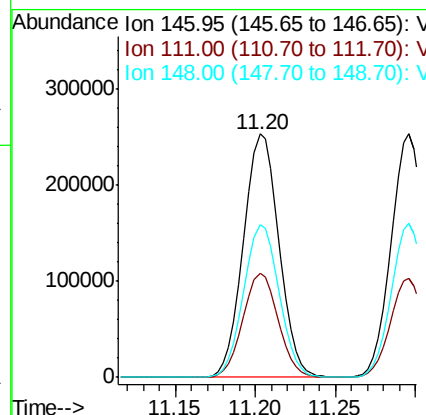
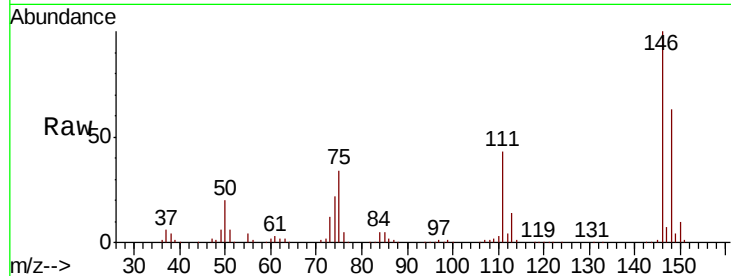




#62
 1,3-Dichlorobenzene
 Concen: 19.772 ug/L
 RT: 11.20 min Scan# 3145
 Delta R.T. 0.00 min
 Lab File: VV015417.D
 Acq: 09 Apr 2020 13:37

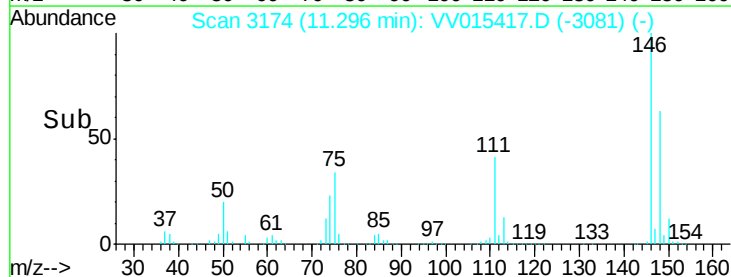
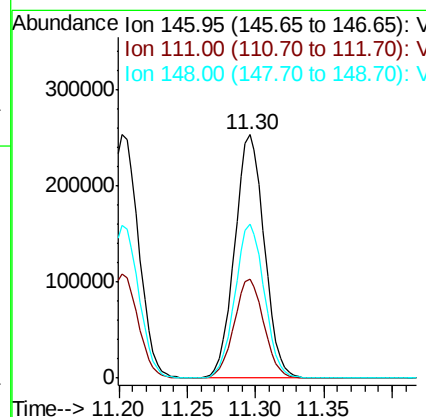
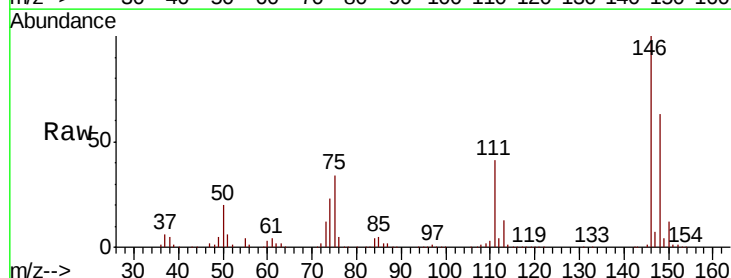
Instrument :
 MSVOA_V
 ClientSampleId :

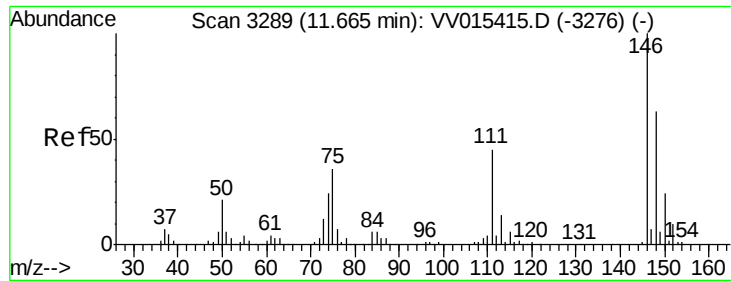
Tot Ion:146 Resp: 381628
 Ion Ratio Lower Upper
 146 100
 111 43.0 29.3 54.5
 148 62.6 42.4 78.6



#63
 1,4-Dichlorobenzene
 Concen: 19.594 ug/L
 RT: 11.30 min Scan# 3174
 Delta R.T. 0.00 min
 Lab File: VV015417.D
 Acq: 09 Apr 2020 13:37

Tgt Ion:146 Resp: 379600
 Ion Ratio Lower Upper
 146 100
 111 40.7 29.4 54.6
 148 63.0 44.3 82.3





#65

1,2-Dichlorobenzene

Concen: 20.099 ug/L

RT: 11.67 min Scan# 3289

Delta R.T. 0.00 min

Lab File: VV015417.D

Acq: 09 Apr 2020 13:37

Instrument :

MSVOA_V

ClientSampleId :

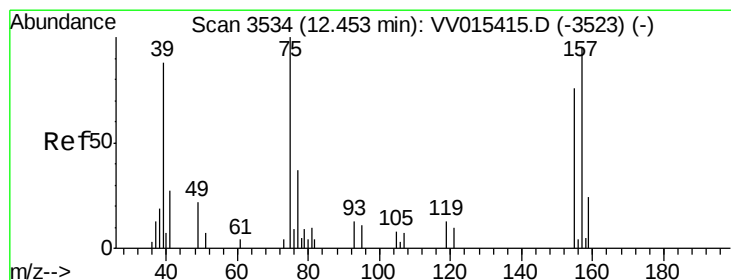
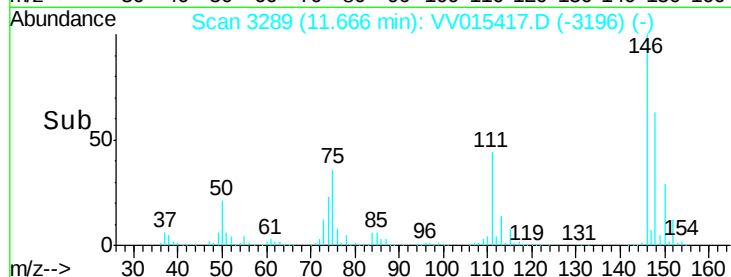
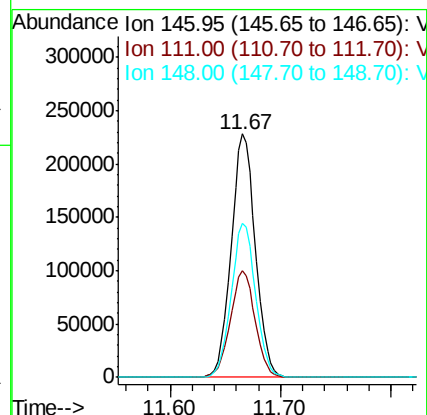
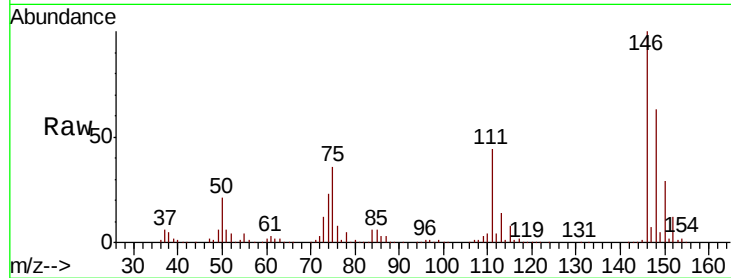
Tot Ion:146 Resp: 346332

Ion Ratio Lower Upper

146 100

111 43.7 35.8 53.6

148 63.4 50.2 75.4



#66

1,2-Dibromo-3-chloropropane

Concen: 22.207 ug/L

RT: 12.45 min Scan# 3534

Delta R.T. 0.00 min

Lab File: VV015417.D

Acq: 09 Apr 2020 13:37

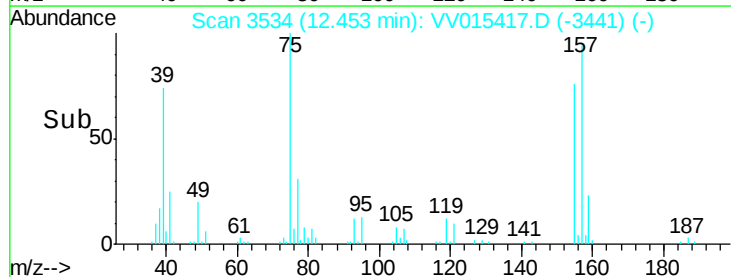
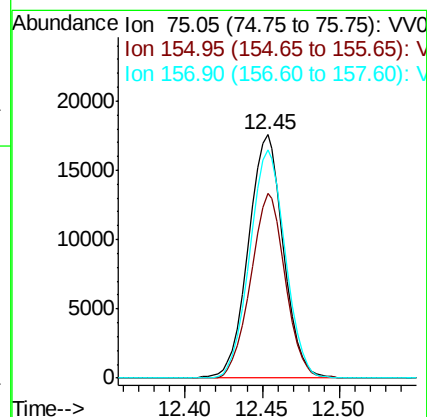
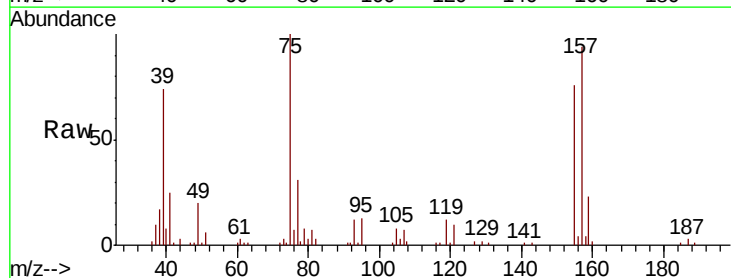
Tgt Ion: 75 Resp: 27691

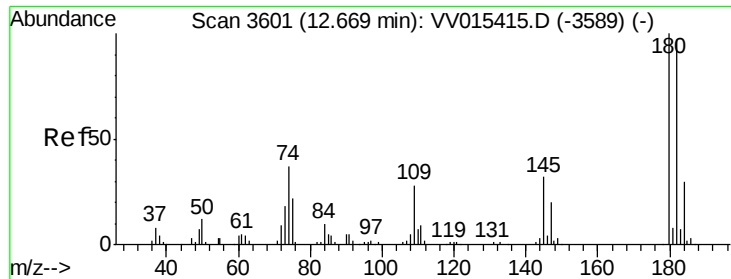
Ion Ratio Lower Upper

75 100

155 75.7 60.8 91.2

157 93.8 75.7 113.5

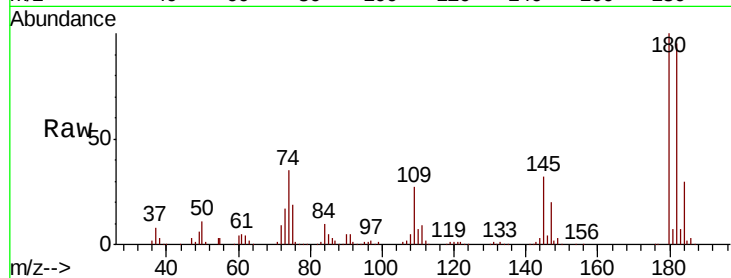




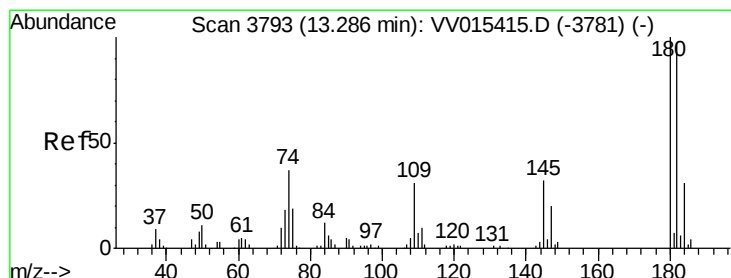
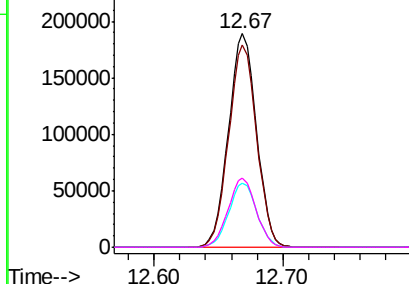
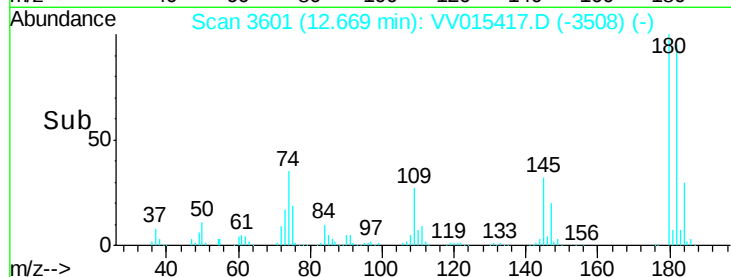
#67
 1,3,5-Trichlorobenzene
 Concen: 21.120 ug/L
 RT: 12.67 min Scan# 3601
 Delta R.T. 0.00 min
 Lab File: VV015417.D
 Acq: 09 Apr 2020 13:37

Instrument :
 MSVOA_V
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
180	100		
182	94.9	76.9	115.3
184	30.2	24.0	36.0
145	32.0	26.1	39.1

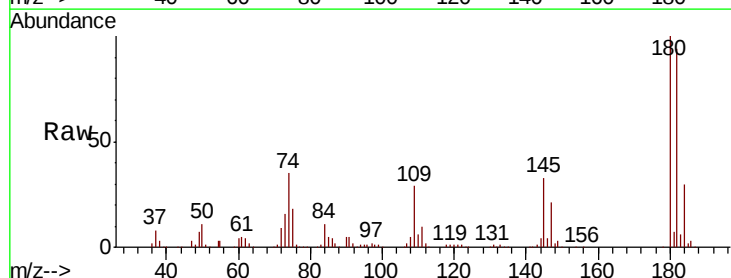


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

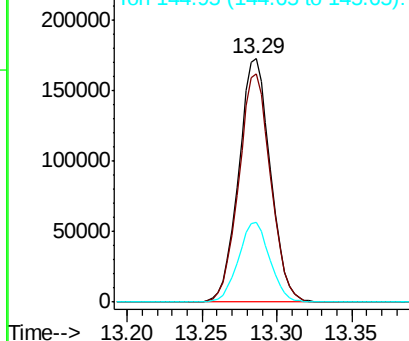
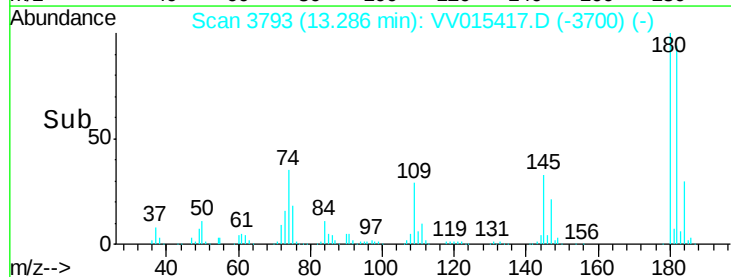


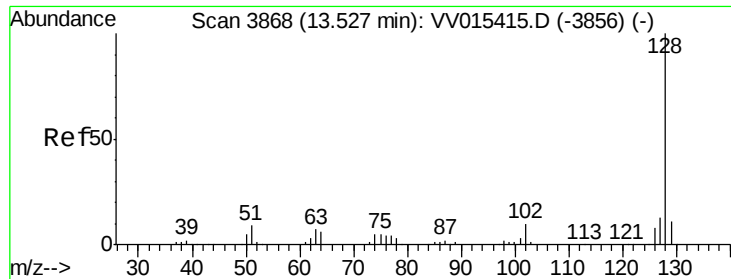
#68
 1,2,4-trichlorobenzene
 Concen: 21.421 ug/L
 RT: 13.29 min Scan# 3793
 Delta R.T. 0.00 min
 Lab File: VV015417.D
 Acq: 09 Apr 2020 13:37

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.2	76.6	115.0
145	32.5	25.9	38.9



Abundance Ion 179.90 (179.60 to 180.60): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 144.95 (144.65 to 145.65): V





#69

Naphthalene

Concen: 18.056 ug/L

RT: 13.53 min Scan# 3868

Delta R.T. 0.00 min

Lab File: VV015417.D

Acq: 09 Apr 2020 13:37

Instrument :

MSVOA_V

ClientSampleId :

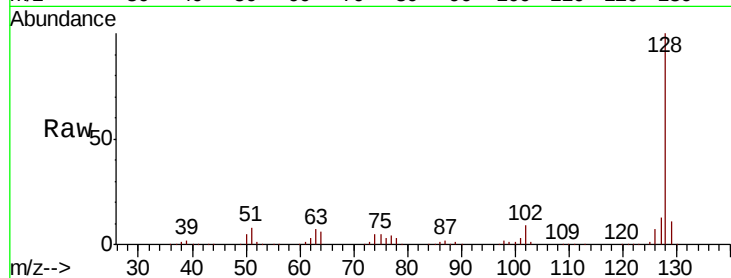
Tot Ion:128 Resp: 493954

Ion Ratio Lower Upper

128 100

129 10.7 8.6 13.0

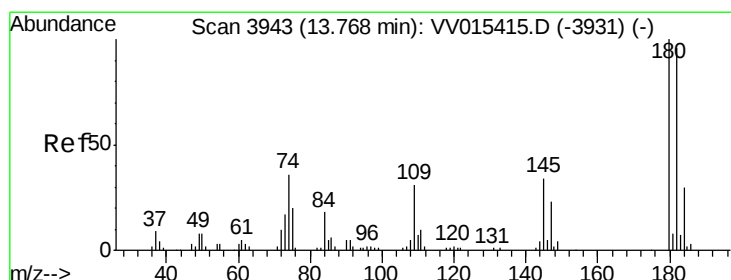
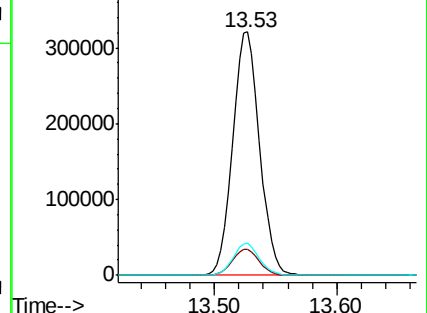
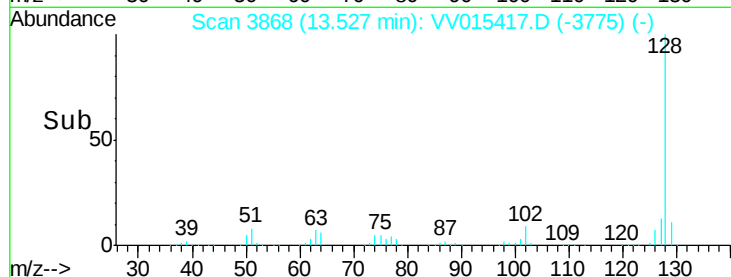
127 12.9 10.4 15.6



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#70

1,2,3-Trichlorobenzene

Concen: 22.008 ug/L

RT: 13.77 min Scan# 3943

Delta R.T. 0.00 min

Lab File: VV015417.D

Acq: 09 Apr 2020 13:37

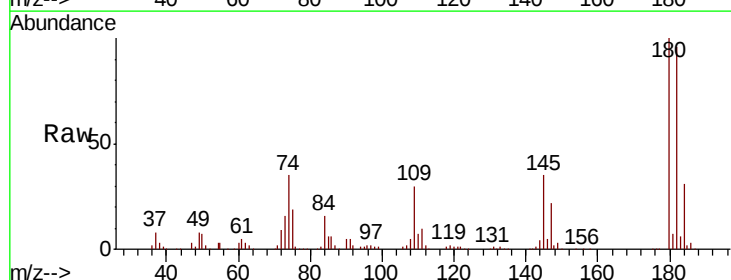
Tgt Ion:180 Resp: 225541

Ion Ratio Lower Upper

180 100

182 95.6 76.4 114.6

145 35.0 28.2 42.2



Abundance Ion 179.90 (179.60 to 180.60): V

Ion 181.90 (181.60 to 182.60): V

Ion 144.95 (144.65 to 145.65): V

