

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV071420\
 Data File : VV017474.D
 Acq On : 14 Jul 2020 10:18
 Operator : SY/MD
 Sample : VSTD00531
 Misc : 25.0mL/MSVOA V/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00531

Quant Time: Jul 15 02:03:05 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR071420WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Wed Jul 15 02:00:44 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	146462	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	139314	5.00	ug/L	0.00
61) 1,4-Dichlorobenzene-d4	11.27	152	78290	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	42410	4.84	ug/L	0.00
7) Chloroethane-d5	1.58	69	33599	5.19	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.13	63	90514	5.29	ug/L	0.00
20) 2-Butanone-d5	3.95	46	28684	13.33	ug/L	0.00
24) Chloroform-d	4.38	84	95696	5.02	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.06	65	52799	5.19	ug/L	0.00
32) Benzene-d6	5.07	84	166564	4.65	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.10	67	44993	4.27	ug/L	0.00
41) Toluene-d8	7.34	98	162101	4.82	ug/L	0.00
45) trans-1,3-Dichloropropene-	7.64	79	22053	4.86	ug/L	0.00
48) 2-Hexanone-d5	8.11	63	68497	41.67	ug/L	0.00
59) 1,1,2,2-Tetrachloroethane-	10.24	84	31468	4.46	ug/L	0.00
65) 1,2-Dichlorobenzene-d4	11.65	152	66120	4.60	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	87083	6.787	ug/L 100
3) Chloromethane	1.25	50	57073	5.592	ug/L 100
5) Vinyl chloride	1.32	62	57527	5.738	ug/L 100
6) Bromomethane	1.53	94	34409	5.840	ug/L 100
8) Chloroethane	1.60	64	33406	5.951	ug/L 100
9) Trichlorofluoromethane	1.77	101	108216	6.459	ug/L 100
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	48731	5.978	ug/L 100
12) 1,1-Dichloroethene	2.13	96	43620	5.936	ug/L 100
13) Acetone	2.46	43	10304	8.981	ug/L 73
14) Carbon disulfide	2.31	76	136364	6.079	ug/L 100
15) Methyl Acetate	2.46	43	10265	3.866	ug/L 100
16) Methylene chloride	2.52	84	45046	5.710	ug/L 100
17) Methyl tert-butyl Ether	2.79	73	107338	5.820	ug/L 100
18) trans-1,2-Dichloroethene	2.78	96	47084	5.961	ug/L 100
19) 1,1-Dichloroethane	3.21	63	90248	5.292	ug/L 100
21) 2-Butanone	4.05	43	98193	46.936	ug/L 100
22) cis-1,2-Dichloroethene	3.94	96	50189	4.923	ug/L 100
23) Bromochloromethane	4.28	128	24144	5.458	ug/L 100
25) Chloroform	4.41	83	98344	5.295	ug/L 100
27) 1,2-Dichloroethane	5.16	62	64939	5.531	ug/L 100
29) 1,1,1-Trichloroethane	4.63	97	100322	5.777	ug/L 100
30) Cyclohexane	4.70	56	74485	4.720	ug/L 100
31) Carbon tetrachloride	4.85	117	91095	5.780	ug/L 100
33) Benzene	5.13	78	190304	5.177	ug/L 100
34) Trichloroethene	5.94	95	56432	5.208	ug/L 100
35) Methylcyclohexane	6.15	83	83396	5.012	ug/L 100
37) 1,2-Dichloropropane	6.20	63	41171	4.637	ug/L 100
38) Bromodichloromethane	6.53	83	67731	5.383	ug/L 100
39) cis-1,3-Dichloropropene	7.05	75	70115	5.186	ug/L 100
40) 4-Methyl-2-pentanone	7.25	43	243176	47.417	ug/L 100

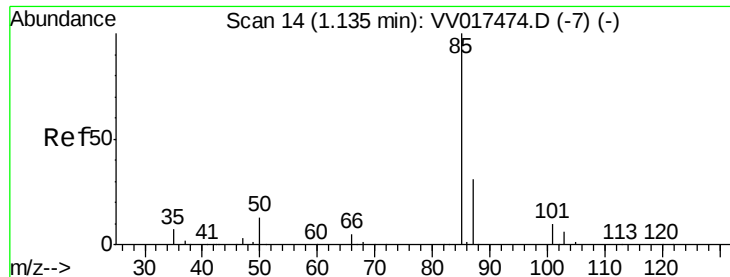
Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV071420\
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Quant Time: Jul 15 02:03:05 2020
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 Quant Title : TRACE VOA SOM01.0
 QLast Update : Wed Jul 15 02:00:44 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.41	91	212422	4.980	ug/L	100
43) 1,3,5-Trimethylbenzene	10.56	105	213368	5.530	ug/L	100
44) 1,2,4-Trimethylbenzene	10.94	105	217000	5.543	ug/L	100
46) trans-1,3-Dichloropropene	7.67	75	64002	5.409	ug/L	100
47) 1,1,2-Trichloroethane	7.86	97	32058	5.004	ug/L	100
49) Tetrachloroethene	8.00	164	49332	5.569	ug/L	100
50) 2-Hexanone	8.16	43	174339	47.793	ug/L	100
51) Dibromochloromethane	8.27	129	45764	5.714	ug/L	100
52) 1,2-Dibromoethane	8.38	107	31239	5.107	ug/L	100
53) Chlorobenzene	8.90	112	140614	5.251	ug/L	100
54) Ethylbenzene	9.03	91	242353	5.305	ug/L	100
55) m,p-xylene	9.16	106	92776	5.179	ug/L	100
56) o-xylene	9.56	106	87468	5.240	ug/L	100
57) Styrene	9.58	104	152603	5.470	ug/L	100
58) Isopropylbenzene	9.95	105	254461	5.490	ug/L	100
60) 1,1,2,2-Tetrachloroethane	10.26	83	33232	5.039	ug/L	100
62) Bromoform	9.75	173	25271	5.788	ug/L	100
63) 1,3-Dichlorobenzene	11.20	146	122603	5.161	ug/L	100
64) 1,4-Dichlorobenzene	11.30	146	120853	5.018	ug/L	100
66) 1,2-Dichlorobenzene	11.67	146	110644	5.143	ug/L	100
67) 1,2-Dibromo-3-chloropropan	12.45	75	6756	5.490	ug/L	100
68) 1,3,5-Trichlorobenzene	12.67	180	99165	5.190	ug/L	100
69) 1,2,4-trichlorobenzene	13.28	180	81163	5.157	ug/L	100
70) Naphthalene	13.53	128	115322	5.186	ug/L	100
71) 1,2,3-Trichlorobenzene	13.77	180	73309	5.603	ug/L	100

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



#2

Dichlorodifluoromethane

Concen: 6.787 ug/L

RT: 1.14 min Scan# 14

Delta R.T. 0.00 min

Lab File: VV017474.D

Acq: 14 Jul 2020 10:18

Instrument :

MSVOA_V

ClientSampled :

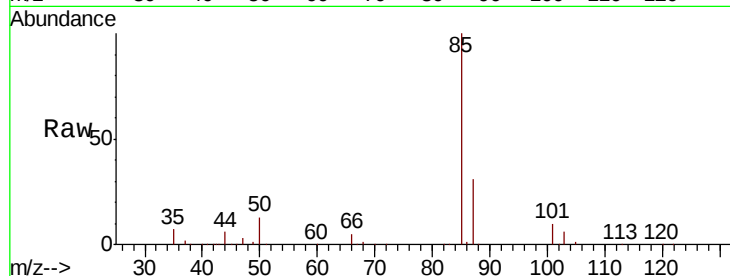
VSTD00531

Tot Ion: 85 Resp: 87083

Ion Ratio Lower Upper

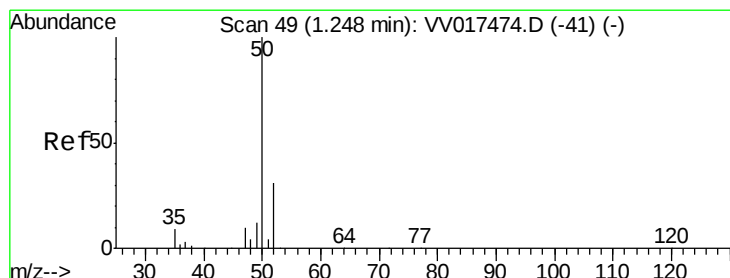
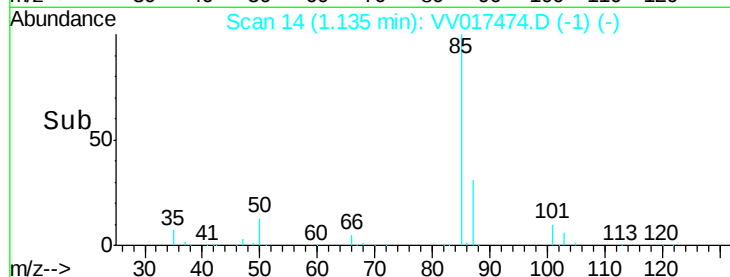
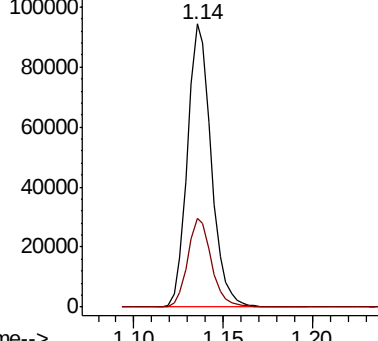
85 100

87 31.4 25.1 37.7



Abundance Ion 85.00 (84.70 to 85.70): VV0

Ion 87.00 (86.70 to 87.70): VV0



#3

Chloromethane

Concen: 5.592 ug/L

RT: 1.25 min Scan# 49

Delta R.T. 0.00 min

Lab File: VV017474.D

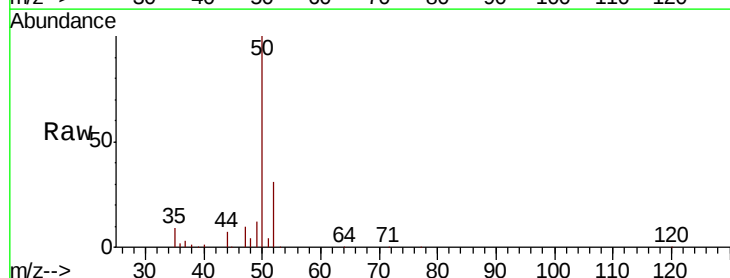
Acq: 14 Jul 2020 10:18

Tgt Ion: 50 Resp: 57073

Ion Ratio Lower Upper

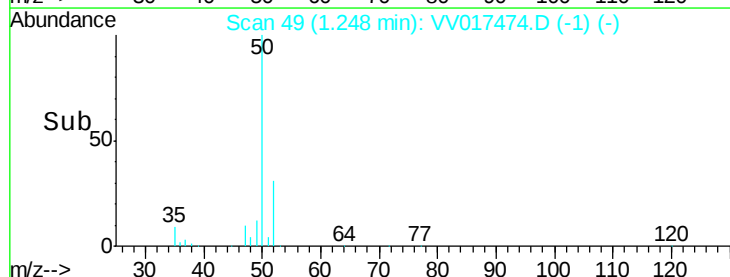
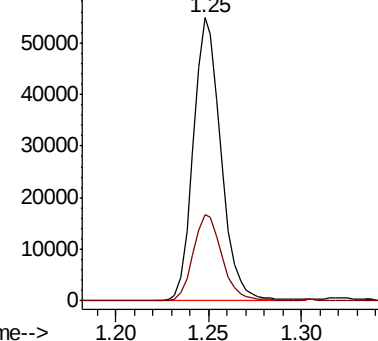
50 100

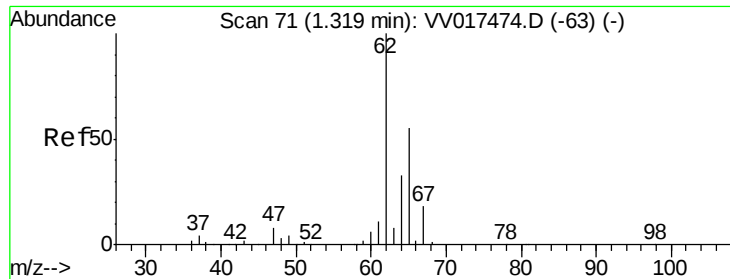
52 30.6 21.4 39.8



Abundance Ion 50.05 (49.75 to 50.75): VV0

Ion 52.05 (51.75 to 52.75): VV0





#5

Vinyl chloride

Concen: 5.738 ug/L

RT: 1.32 min Scan# 71

Delta R.T. 0.00 min

Lab File: VV017474.D

Acq: 14 Jul 2020 10:18

Instrument :

MSVOA_V

ClientSampleId :

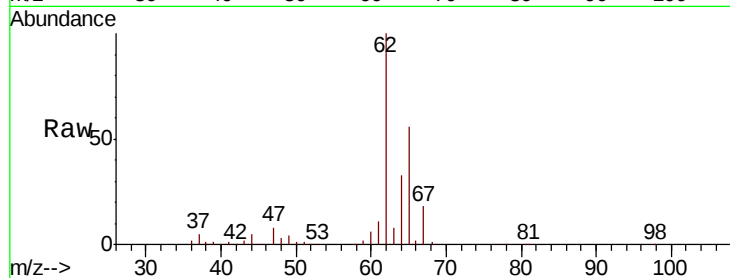
VSTD00531

Tot Ion: 62 Resp: 57527

Ion Ratio Lower Upper

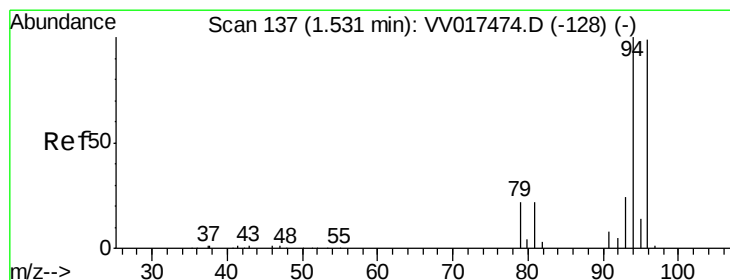
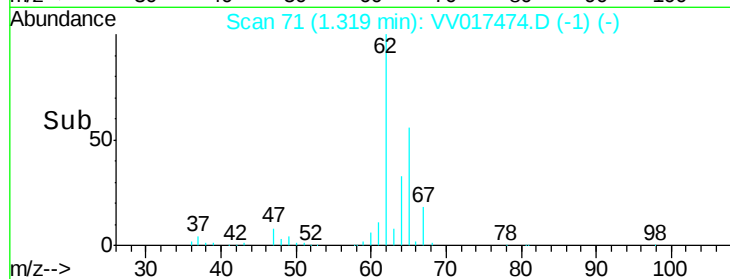
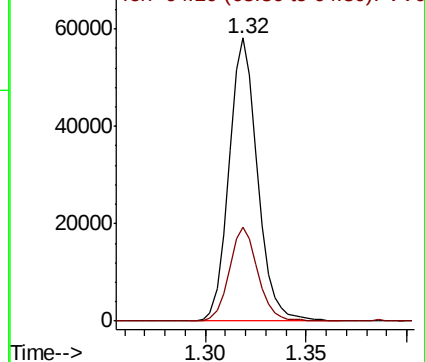
62 100

64 33.2 23.2 43.2



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.10 (63.80 to 64.80): VV0



#6

Bromomethane

Concen: 5.840 ug/L

RT: 1.53 min Scan# 137

Delta R.T. 0.00 min

Lab File: VV017474.D

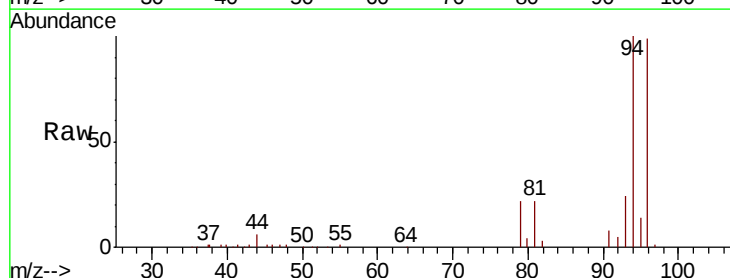
Acq: 14 Jul 2020 10:18

Tgt Ion: 94 Resp: 34409

Ion Ratio Lower Upper

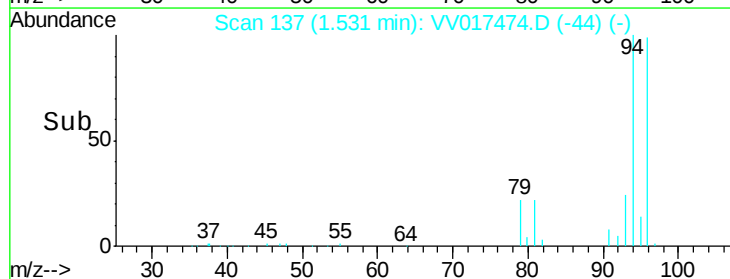
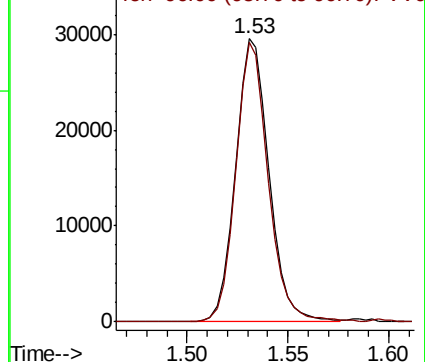
94 100

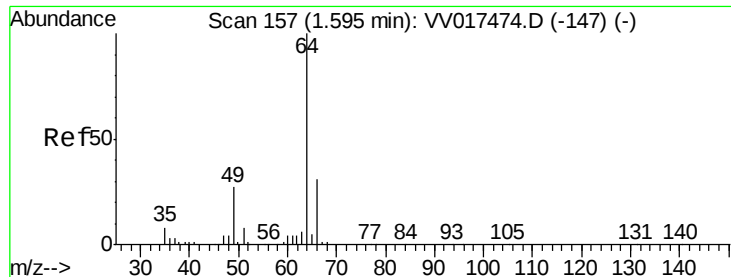
96 98.6 69.0 128.2



Abundance Ion 94.00 (93.70 to 94.70): VV0

Ion 96.00 (95.70 to 96.70): VV0





#8

Chloroethane

Concen: 5.951 ug/L

RT: 1.60 min Scan# 157

Delta R.T. 0.00 min

Lab File: VV017474.D

Acq: 14 Jul 2020 10:18

Instrument :

MSVOA_V

ClientSampleId :

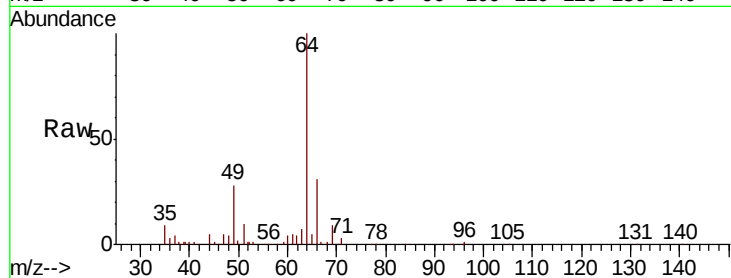
VSTD00531

Tot Ion: 64 Resp: 33406

Ion Ratio Lower Upper

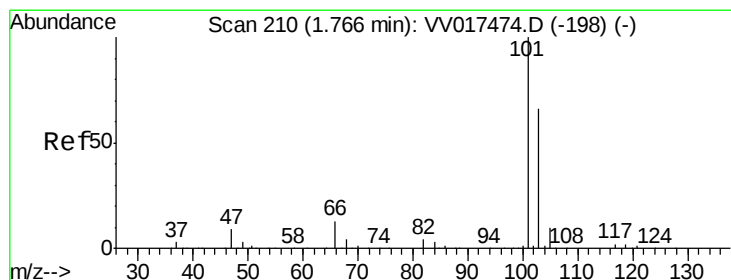
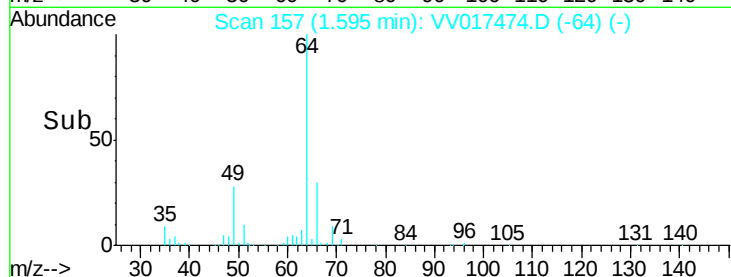
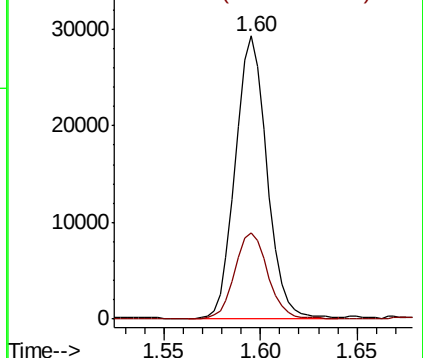
64 100

66 30.7 21.5 39.9



Abundance Ion 64.10 (63.80 to 64.80): VV017474.D (-147) (-)

Ion 66.05 (65.75 to 66.75): VV017474.D (-147) (-)



#9

Trichlorofluoromethane

Concen: 6.459 ug/L

RT: 1.77 min Scan# 210

Delta R.T. 0.00 min

Lab File: VV017474.D

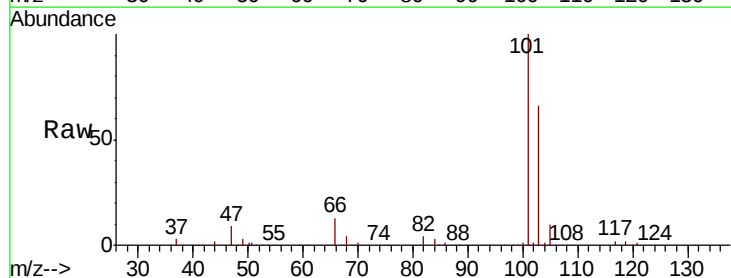
Acq: 14 Jul 2020 10:18

Tgt Ion:101 Resp: 108216

Ion Ratio Lower Upper

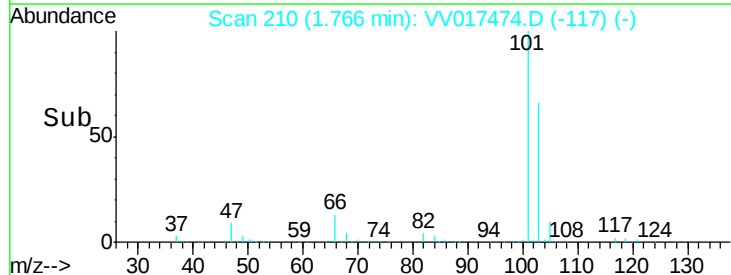
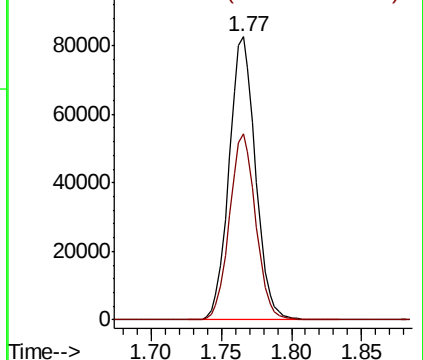
101 100

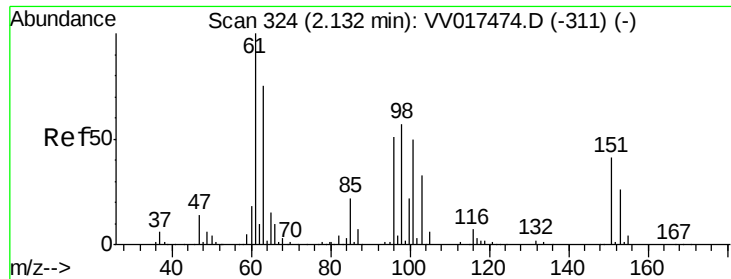
103 65.4 52.3 78.5



Abundance Ion 101.00 (100.70 to 101.70): VV017474.D (-198) (-)

Ion 103.00 (102.70 to 103.70): VV017474.D (-198) (-)





#10

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

Concen: 5.978 ug/L

RT: 2.13 min Scan# 324

Delta R.T. 0.00 min

Lab File: VV017474.D

Acq: 14 Jul 2020 10:18

Instrument :

MSVOA_V

ClientSampleId :

VSTD00531

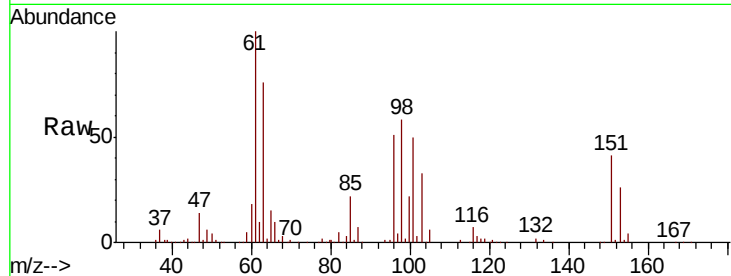
Tot Ion:101 Resp: 48731

Ion Ratio Lower Upper

101 100

85 44.3 35.4 53.2

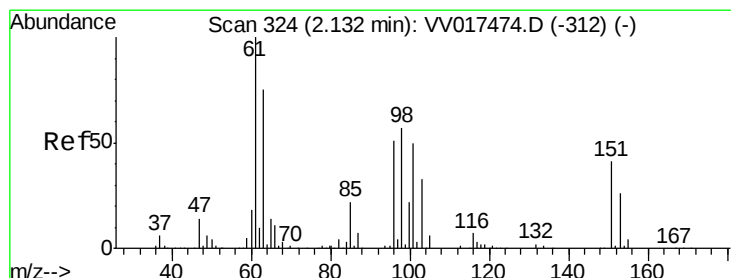
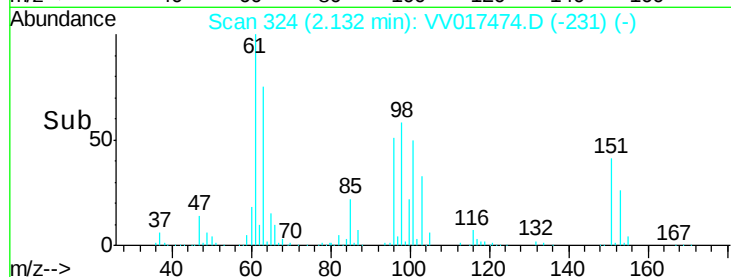
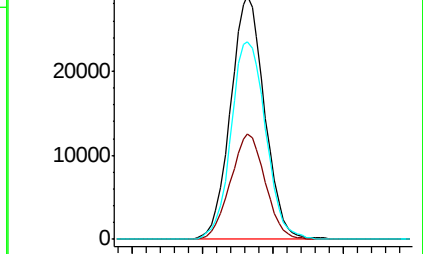
151 83.1 66.5 99.7



Abundance Ion 101.00 (100.70 to 101.70): VV017474.D (-311) (-)

Ion 85.00 (84.70 to 85.70): VV017474.D (-311) (-)

Ion 151.00 (150.70 to 151.70): VV017474.D (-311) (-)



#12

1,1-Dichloroethene

Concen: 5.936 ug/L

RT: 2.13 min Scan# 324

Delta R.T. 0.00 min

Lab File: VV017474.D

Acq: 14 Jul 2020 10:18

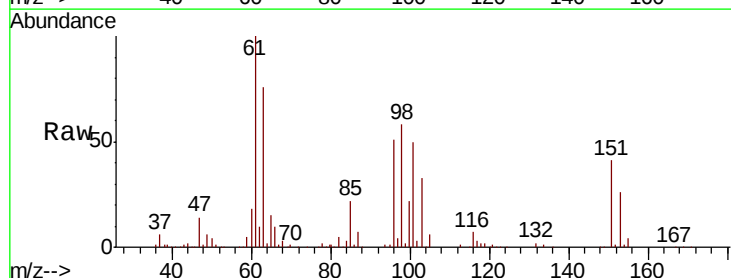
Tgt Ion: 96 Resp: 43620

Ion Ratio Lower Upper

96 100

61 196.0 137.2 254.8

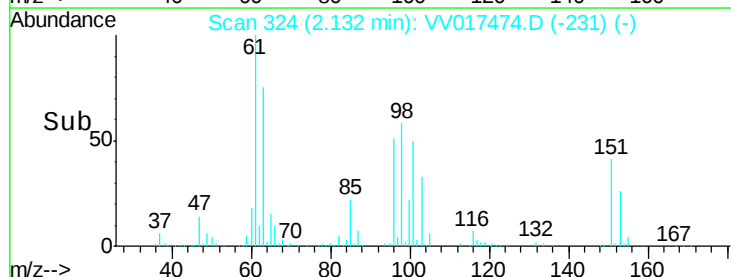
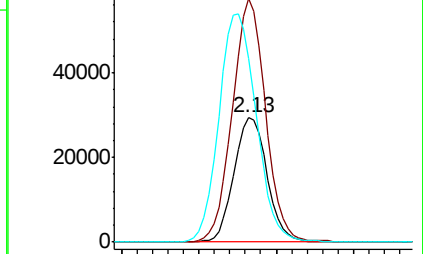
63 148.0 103.6 192.4

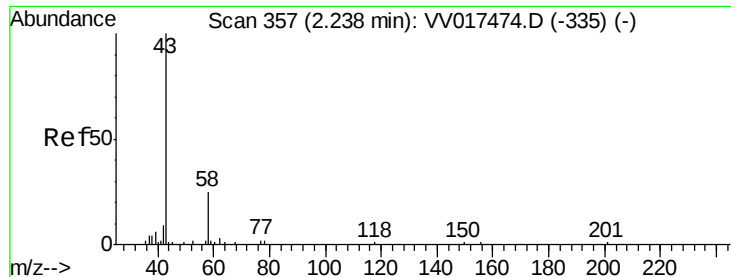


Abundance Ion 96.00 (95.70 to 96.70): VV017474.D (-312) (-)

Ion 61.05 (60.75 to 61.75): VV017474.D (-312) (-)

Ion 63.00 (62.70 to 63.70): VV017474.D (-312) (-)





#13

Acetone

Concen: 8.981 ug/L

RT: 2.46 min Scan# 427

Delta R.T. 0.23 min

Lab File: VV017474.D

Acq: 14 Jul 2020 10:18

Instrument :

MSVOA_V

ClientSampleId :

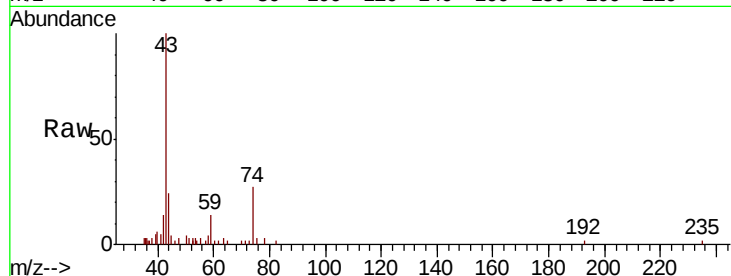
VSTD00531

Tot Ion: 43 Resp: 10304

Ion Ratio Lower Upper

43 100

58 5.0 0.0 33.6



Abundance Ion 43.05 (42.75 to 43.75): VV0

Ion 58.05 (57.75 to 58.75): VV0

2.46

6000

5000

4000

3000

2000

1000

0

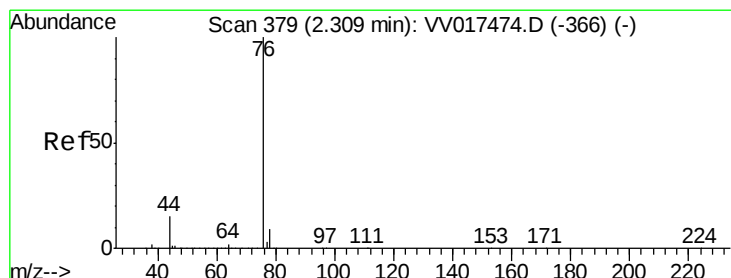
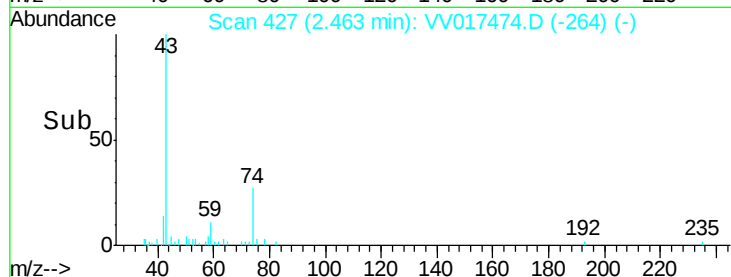
Time-->

2.40

2.45

2.50

2.55



#14

Carbon disulfide

Concen: 6.079 ug/L

RT: 2.31 min Scan# 379

Delta R.T. 0.00 min

Lab File: VV017474.D

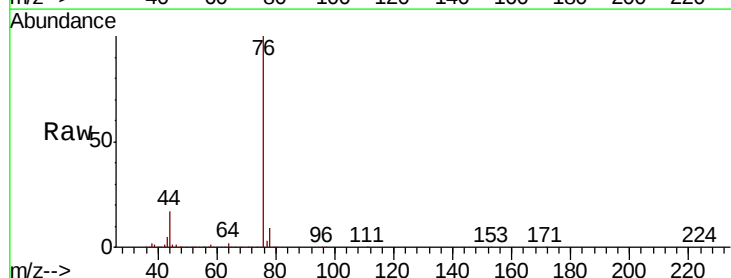
Acq: 14 Jul 2020 10:18

Tgt Ion: 76 Resp: 136364

Ion Ratio Lower Upper

76 100

78 9.4 7.5 11.3



Abundance Ion 76.05 (75.75 to 76.75): VV0

Ion 78.00 (77.70 to 78.70): VV0

2.31

100000

80000

60000

40000

20000

0

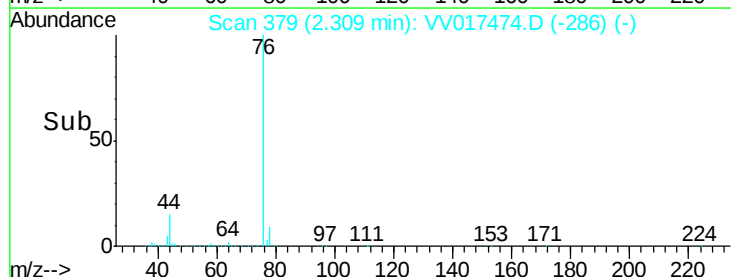
Time-->

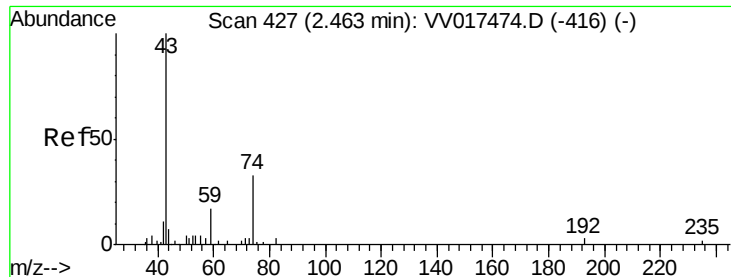
2.25

2.30

2.35

2.40

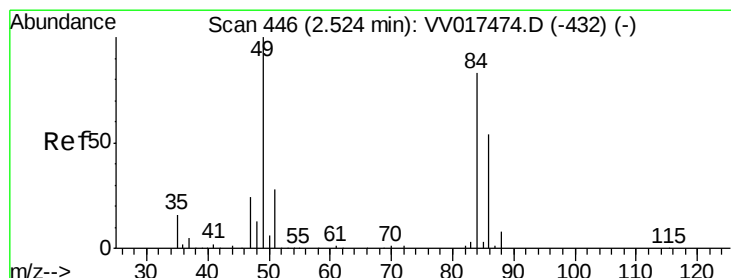
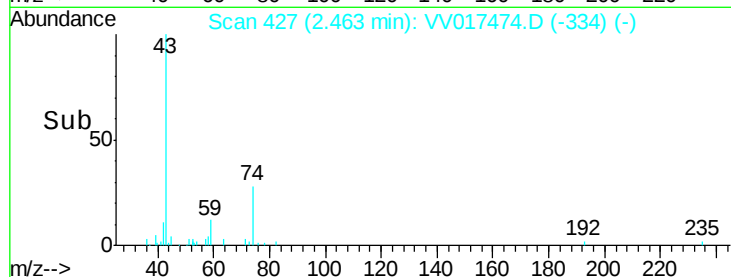
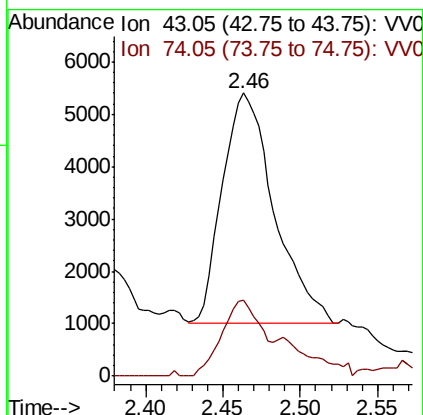
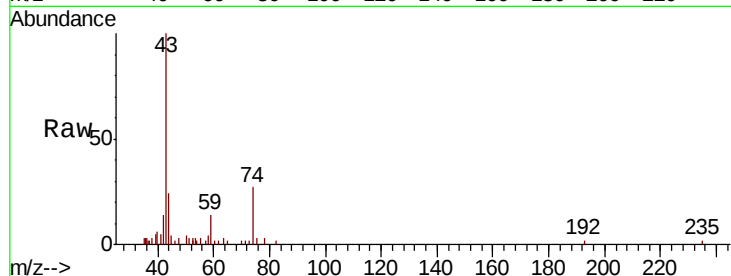




#15
Methvl Acetate
Concen: 3.866 ug/L
RT: 2.46 min Scan# 427
Delta R.T. 0.00 min
Lab File: VV017474.D
Acq: 14 Jul 2020 10:18

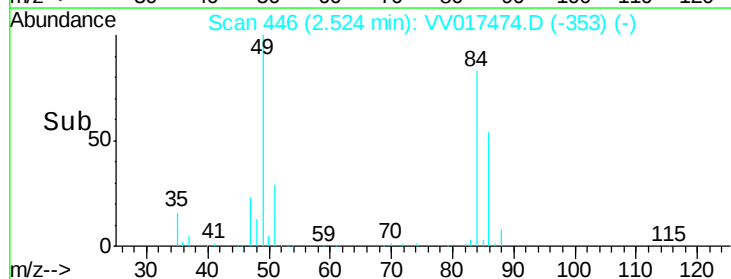
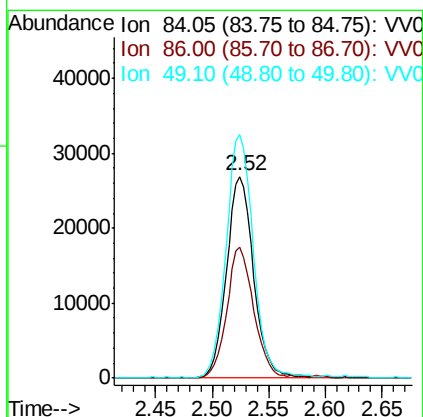
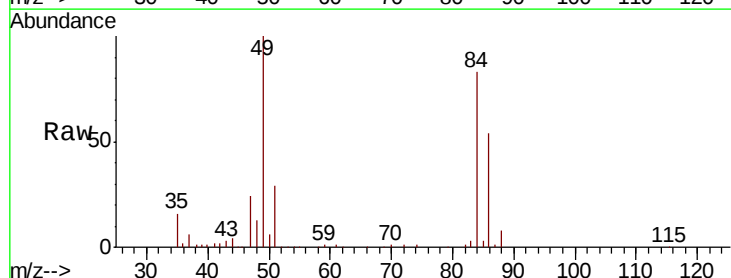
Instrument :
MSVOA_V
ClientSampleId :
VSTD00531

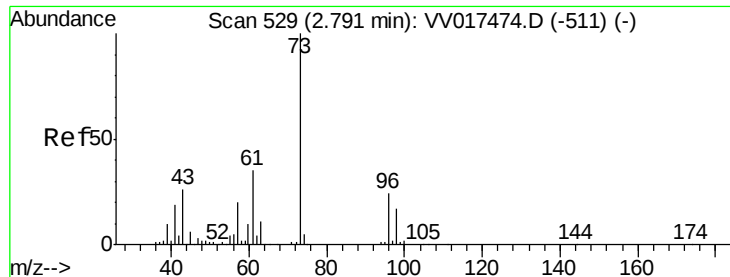
Tot Ion: 43 Resp: 10265
Ion Ratio Lower Upper
43 100
74 25.6 20.5 30.7



#16
Methylene chloride
Concen: 5.710 ug/L
RT: 2.52 min Scan# 446
Delta R.T. 0.00 min
Lab File: VV017474.D
Acq: 14 Jul 2020 10:18

Tgt Ion: 84 Resp: 45046
Ion Ratio Lower Upper
84 100
86 65.0 45.5 84.5
49 120.8 84.6 157.0

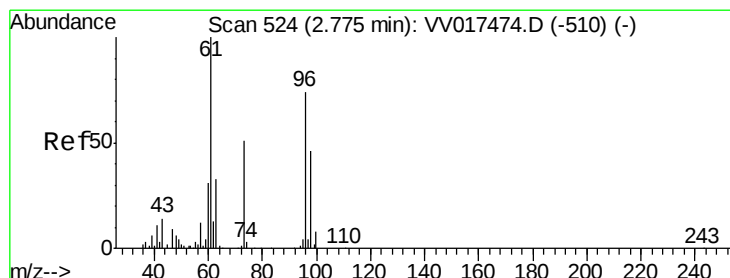
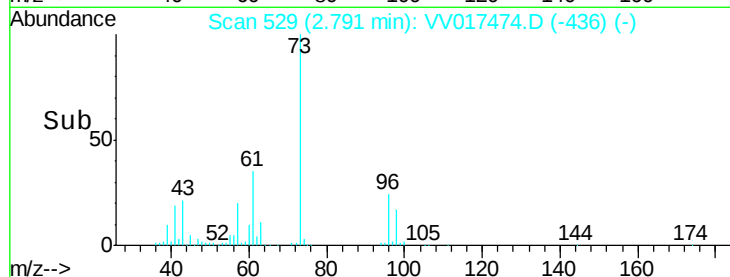
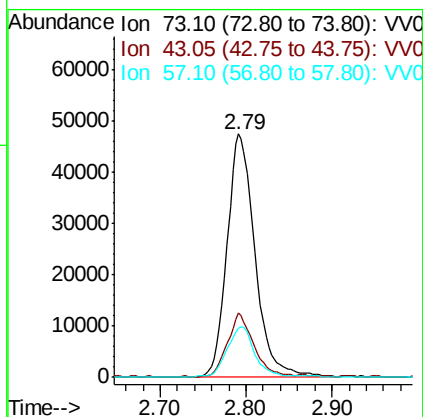
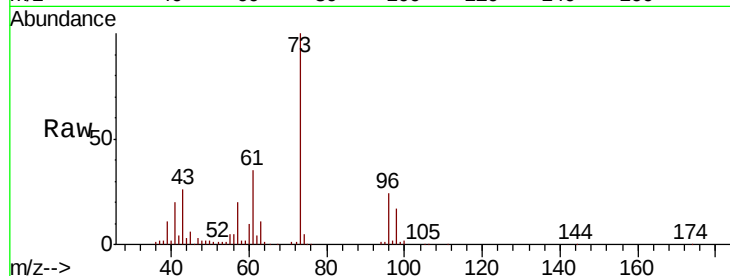




#17
Methvl tert-butvl Ether
Concen: 5.820 ug/L
RT: 2.79 min Scan# 529
Delta R.T. 0.00 min
Lab File: VV017474.D
Acq: 14 Jul 2020 10:18

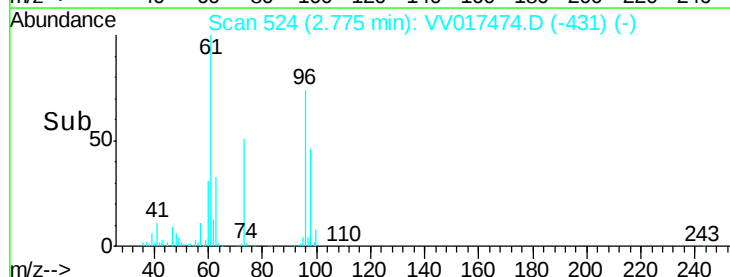
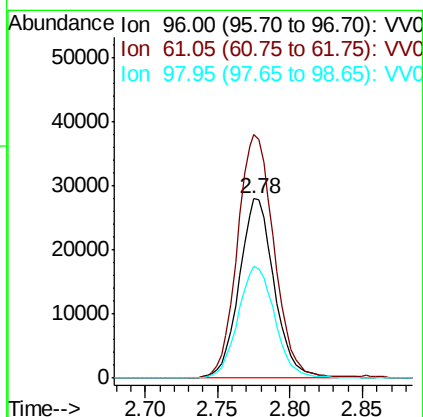
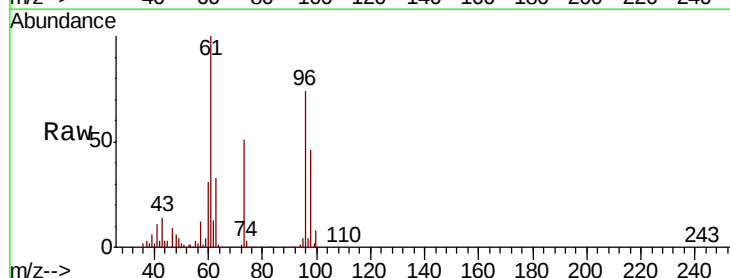
Instrument :
MSVOA_V
ClientSampleId :
VSTD00531

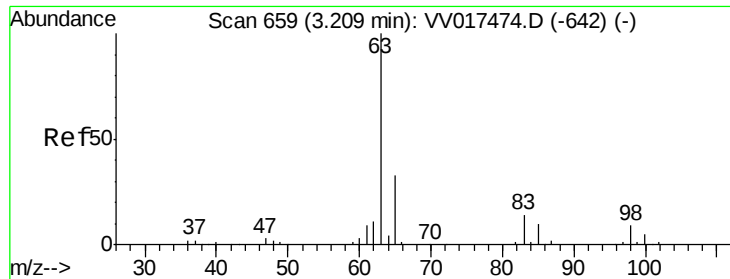
Tot Ion: 73 Resp: 107338
Ion Ratio Lower Upper
73 100
43 25.5 20.4 30.6
57 20.9 16.7 25.1



#18
trans-1,2-Dichloroethene
Concen: 5.961 ug/L
RT: 2.78 min Scan# 524
Delta R.T. 0.00 min
Lab File: VV017474.D
Acq: 14 Jul 2020 10:18

Tgt Ion: 96 Resp: 47084
Ion Ratio Lower Upper
96 100
61 135.9 95.1 176.7
98 62.1 43.5 80.7

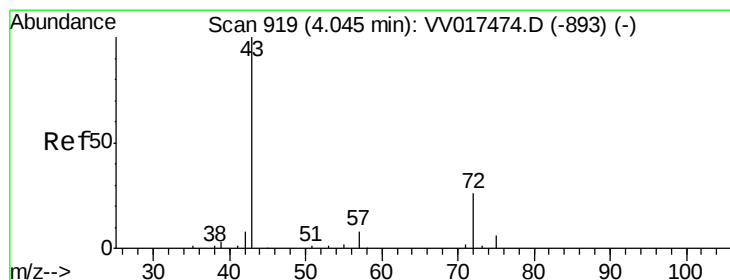
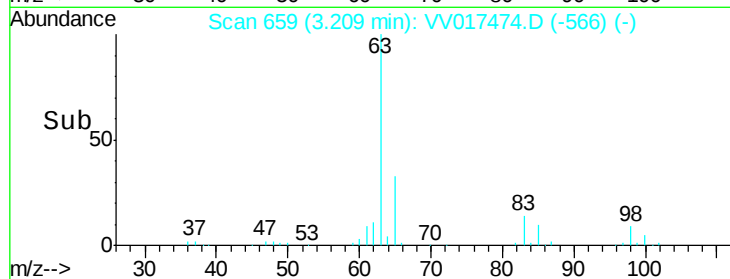
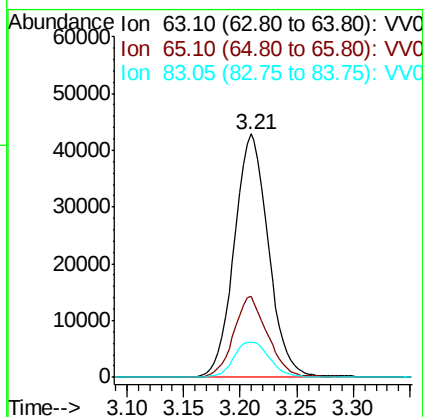
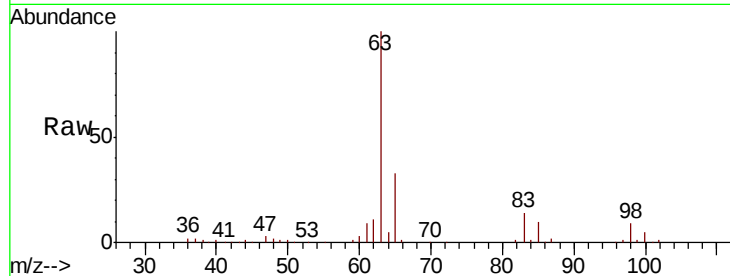




#19
 1,1-Dichloroethane
 Concen: 5.292 ug/L
 RT: 3.21 min Scan# 659
 Delta R.T. 0.00 min
 Lab File: VV017474.D
 Acq: 14 Jul 2020 10:18

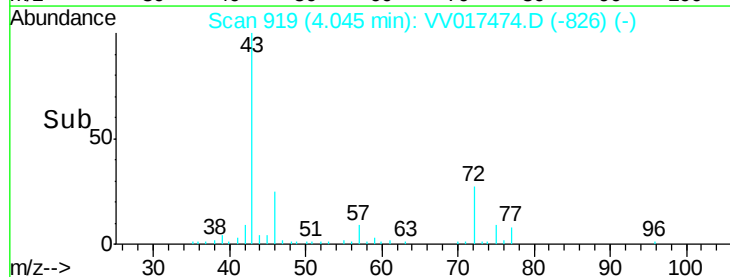
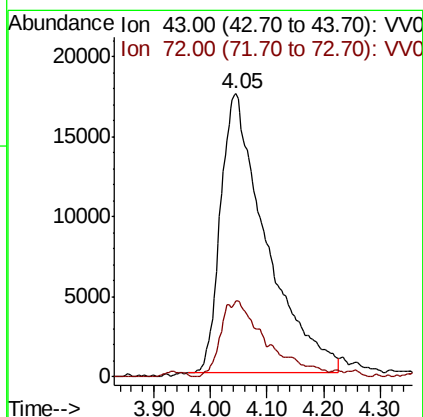
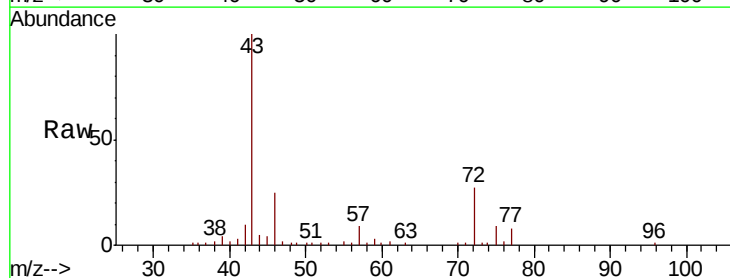
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00531

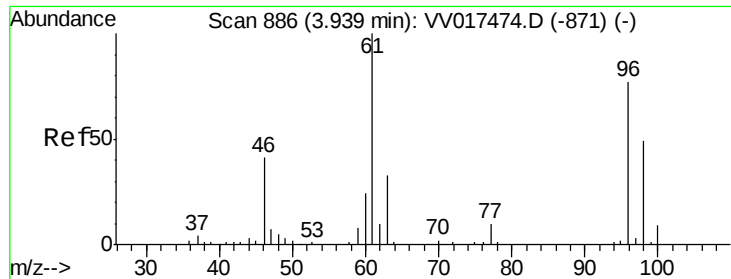
Tot Ion: 63 Resp: 90248
 Ion Ratio Lower Upper
 63 100
 65 33.1 23.2 43.0
 83 14.4 10.1 18.7



#21
 2-Butanone
 Concen: 46.936 ug/L
 RT: 4.05 min Scan# 919
 Delta R.T. 0.00 min
 Lab File: VV017474.D
 Acq: 14 Jul 2020 10:18

Tgt Ion: 43 Resp: 98193
 Ion Ratio Lower Upper
 43 100
 72 6.7 3.4 10.1



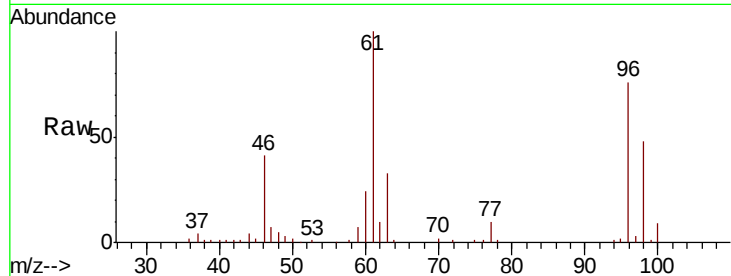


#22

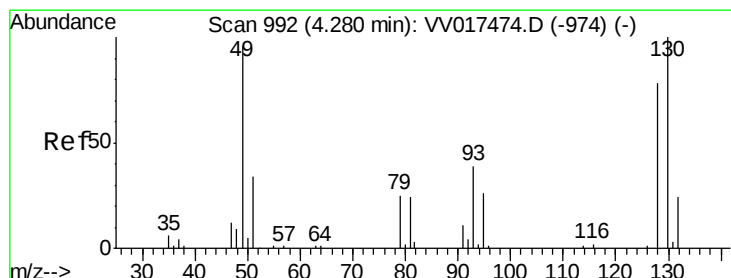
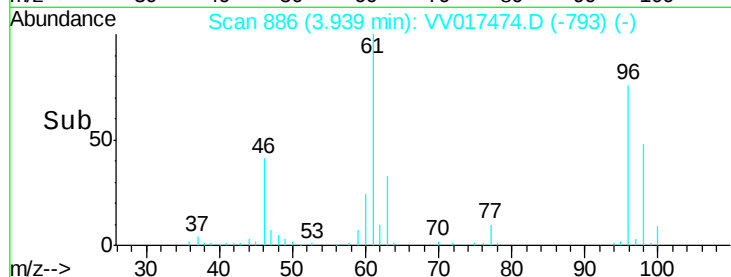
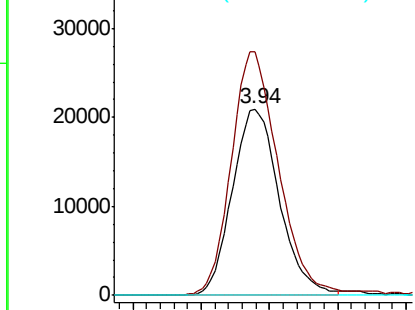
cis-1,2-Dichloroethene
Concen: 4.923 ug/L
RT: 3.94 min Scan# 886
Delta R.T. 0.00 min
Lab File: VV017474.D
Acq: 14 Jul 2020 10:18

Instrument :
MSVOA_V
ClientSampleId :
VSTD00531

Tot Ion: 96 Resp: 50189
Ion Ratio Lower Upper
96 100
61 130.7 91.5 169.9
68 0.0 0.0 0.0



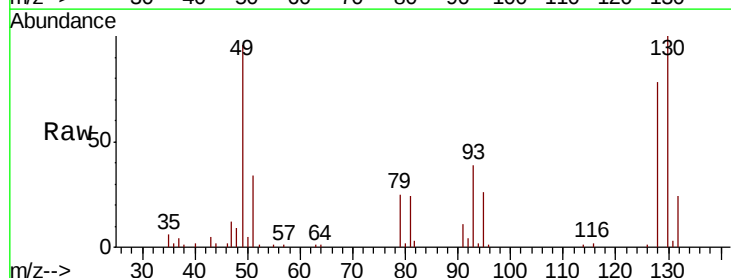
Abundance Ion 96.00 (95.70 to 96.70): VV0
Ion 61.05 (60.75 to 61.75): VV0
Ion 68.15 (67.85 to 68.85): VV0



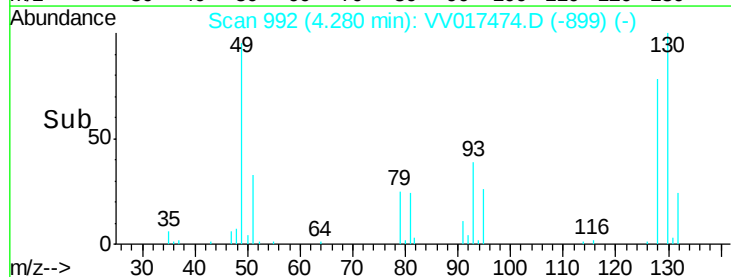
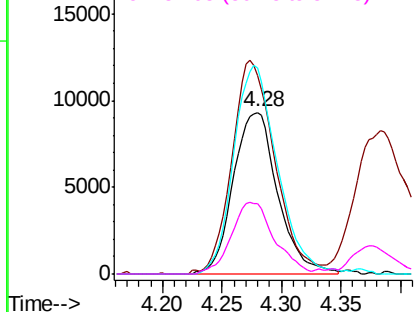
#23

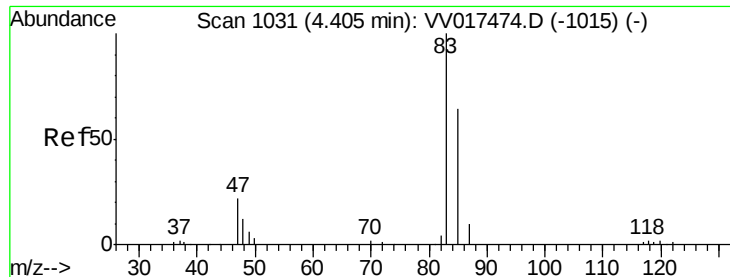
Bromochloromethane
Concen: 5.458 ug/L
RT: 4.28 min Scan# 992
Delta R.T. 0.00 min
Lab File: VV017474.D
Acq: 14 Jul 2020 10:18

Tgt Ion: 128 Resp: 24144
Ion Ratio Lower Upper
128 100
49 122.8 86.0 159.6
130 128.1 89.7 166.5
51 43.4 34.7 52.1



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

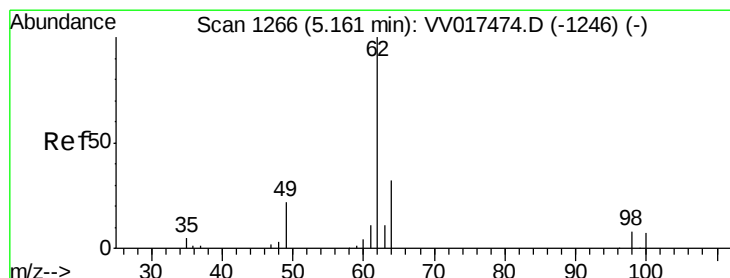
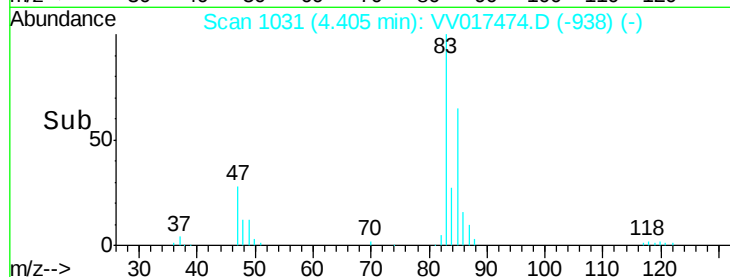
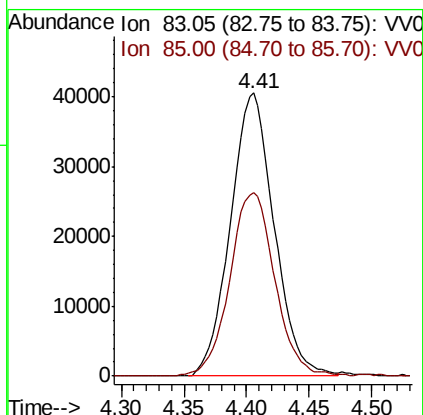
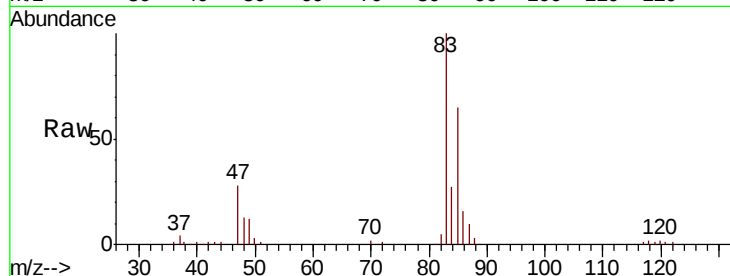




#25
Chloroform
Concen: 5.295 ug/L
RT: 4.41 min Scan# 1031
Delta R.T. 0.00 min
Lab File: VV017474.D
Acq: 14 Jul 2020 10:18

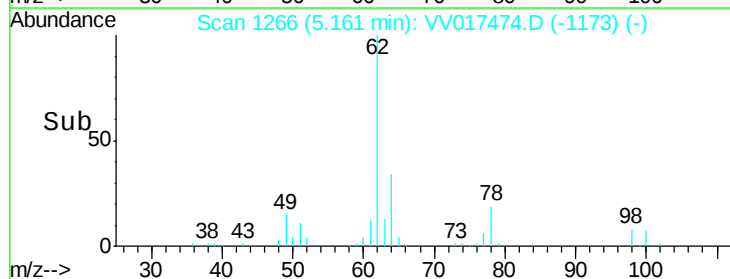
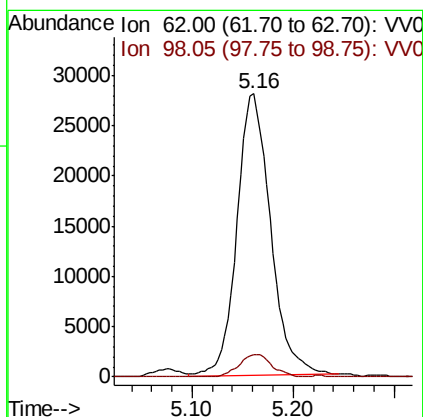
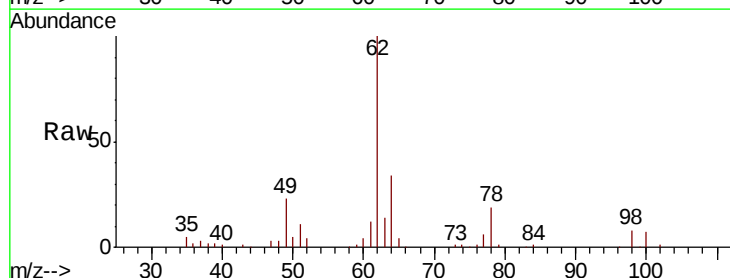
Instrument :
MSVOA_V
ClientSampleId :
VSTD00531

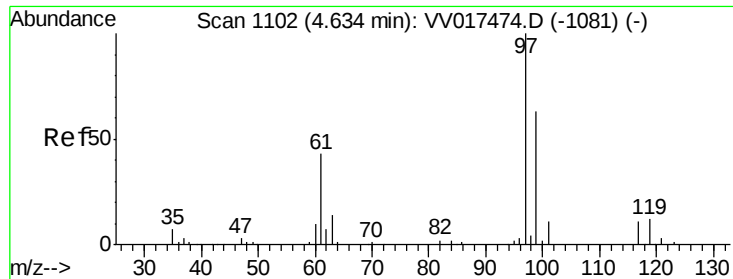
Tot Ion: 83 Resp: 98344
Ion Ratio Lower Upper
83 100
85 64.9 45.4 84.4



#27
1,2-Dichloroethane
Concen: 5.531 ug/L
RT: 5.16 min Scan# 1266
Delta R.T. 0.00 min
Lab File: VV017474.D
Acq: 14 Jul 2020 10:18

Tgt Ion: 62 Resp: 64939
Ion Ratio Lower Upper
62 100
98 7.7 6.2 9.2

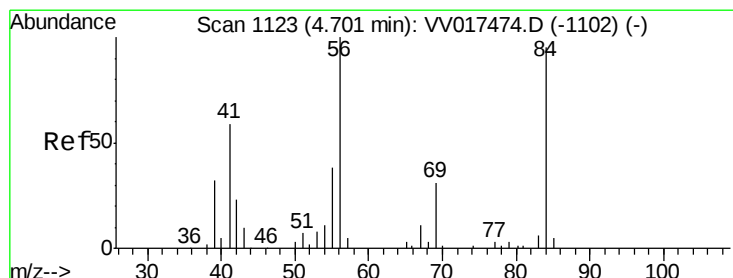
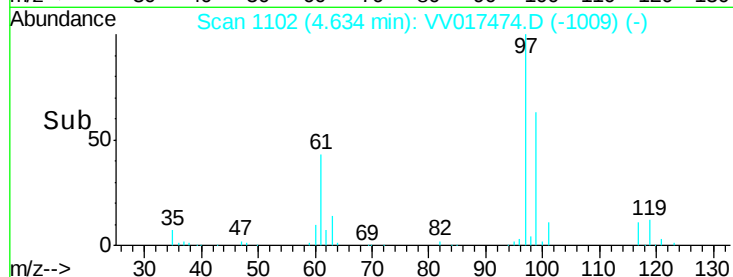
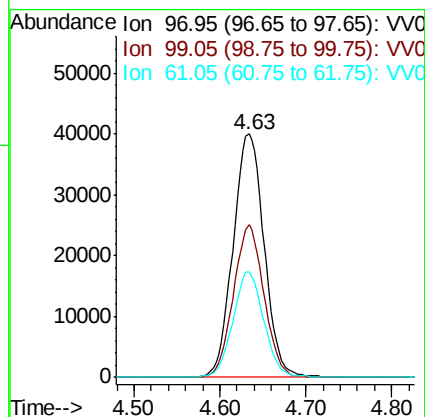
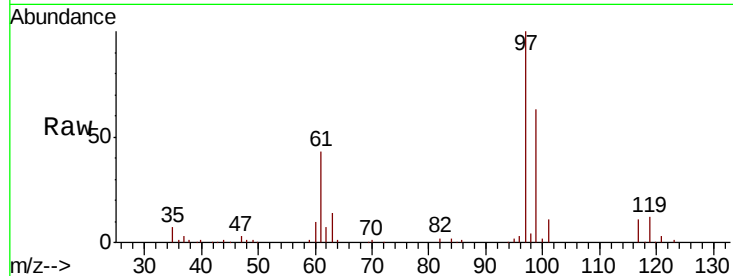




#29
1,1,1-Trichloroethane
Concen: 5.777 ug/L
RT: 4.63 min Scan# 1102
Delta R.T. 0.00 min
Lab File: VV017474.D
Acq: 14 Jul 2020 10:18

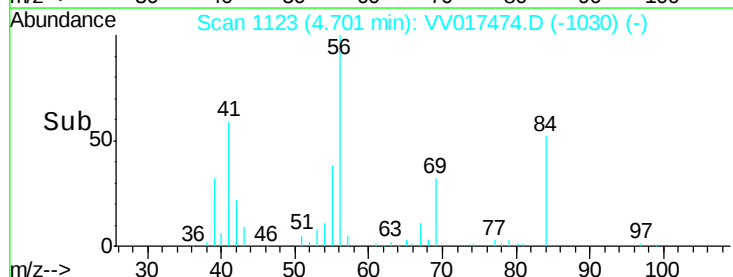
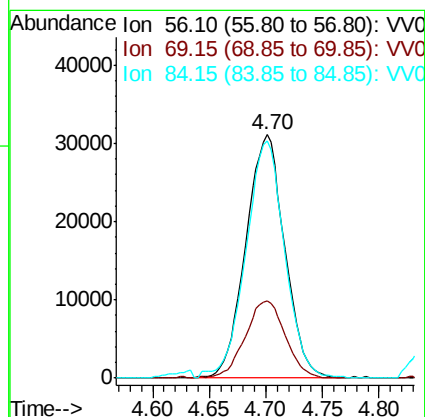
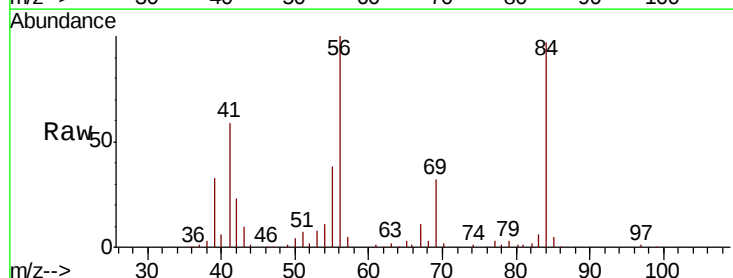
Instrument :
MSVOA_V
ClientSampleId :
VSTD00531

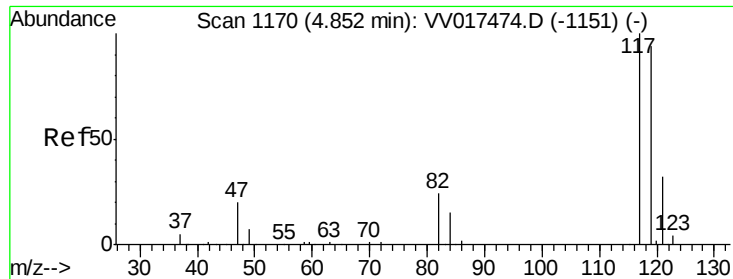
Tot Ion: 97 Resp: 100322
Ion Ratio Lower Upper
97 100
99 61.4 49.1 73.7
61 42.9 34.3 51.5



#30
Cyclohexane
Concen: 4.720 ug/L
RT: 4.70 min Scan# 1123
Delta R.T. 0.00 min
Lab File: VV017474.D
Acq: 14 Jul 2020 10:18

Tgt Ion: 56 Resp: 74485
Ion Ratio Lower Upper
56 100
69 32.5 26.0 39.0
84 97.4 77.9 116.9





#31

Carbon tetrachloride

Concen: 5.780 ug/L

RT: 4.85 min Scan# 1170

Delta R.T. 0.00 min

Lab File: VV017474.D

Acq: 14 Jul 2020 10:18

Instrument :

MSVOA_V

ClientSampleId :

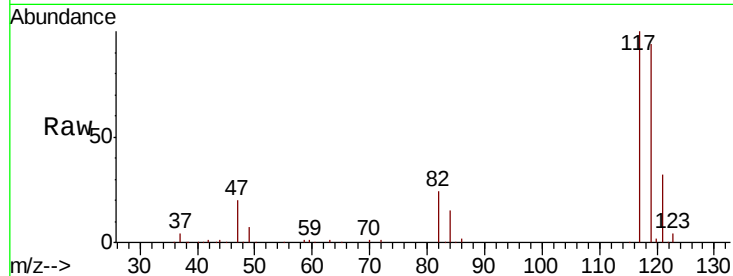
VSTD00531

Tot Ion:117 Resp: 91095

Ion Ratio Lower Upper

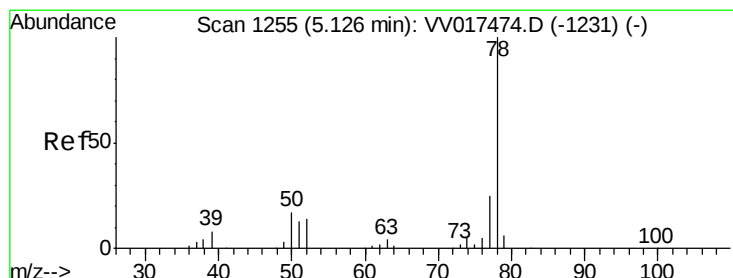
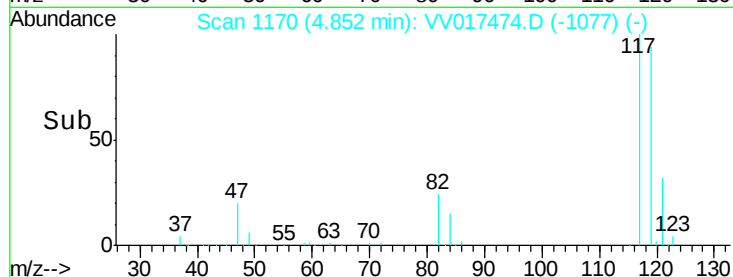
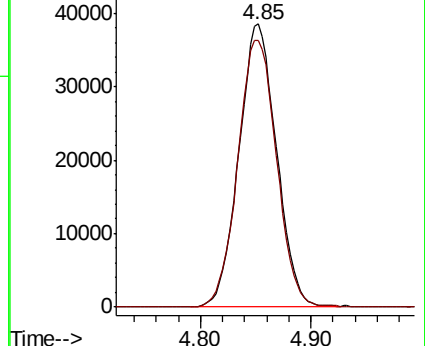
117 100

119 97.0 77.6 116.4



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V



#33

Benzene

Concen: 5.177 ug/L

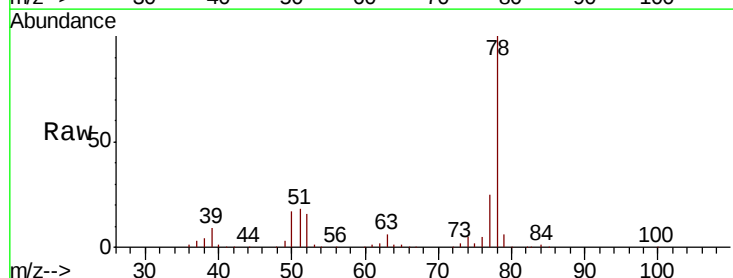
RT: 5.13 min Scan# 1255

Delta R.T. 0.00 min

Lab File: VV017474.D

Acq: 14 Jul 2020 10:18

Tgt Ion: 78 Resp: 190304



Abundance Ion 78.10 (77.80 to 78.80): VV0

100000

80000

60000

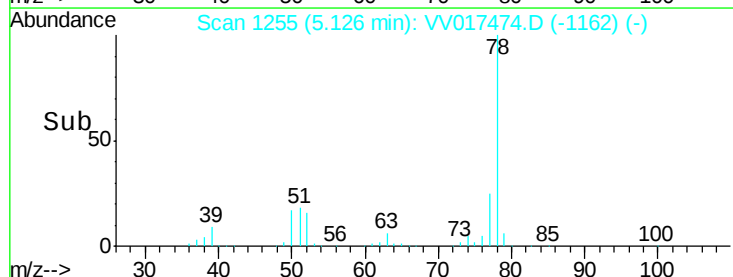
40000

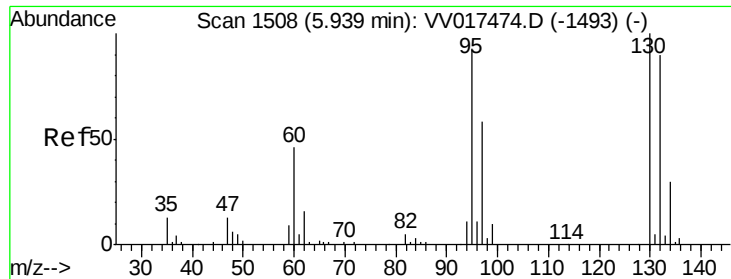
20000

0

5.00 5.10 5.20 5.30

Time-->

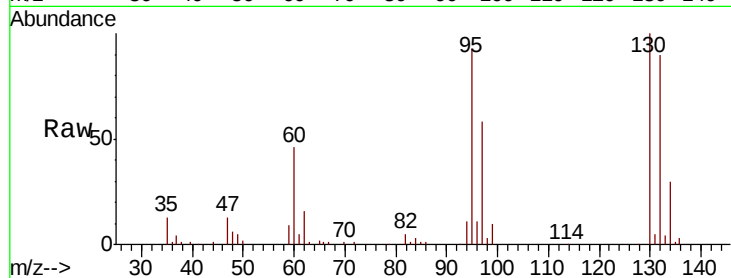




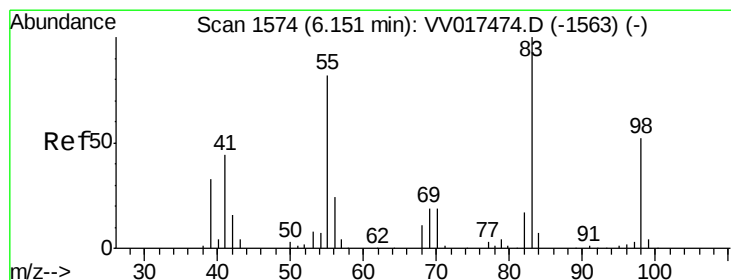
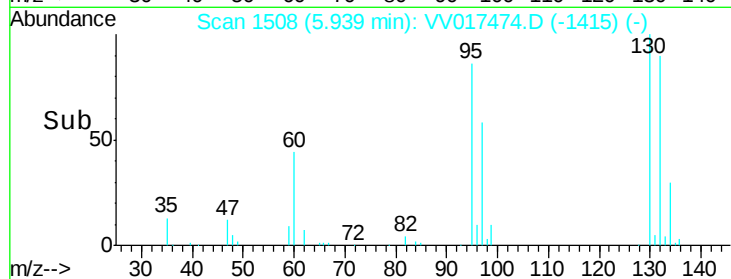
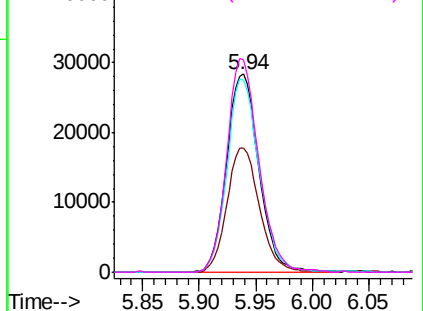
#34
 Trichloroethene
 Concen: 5.208 ug/L
 RT: 5.94 min Scan# 1508
 Delta R.T. 0.00 min
 Lab File: VV017474.D
 Acq: 14 Jul 2020 10:18

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00531

Tot Ion: 95 Resp: 56432
 Ion Ratio Lower Upper
 95 100
 97 62.7 43.9 81.5
 132 97.0 67.9 126.1
 130 107.4 75.2 139.6

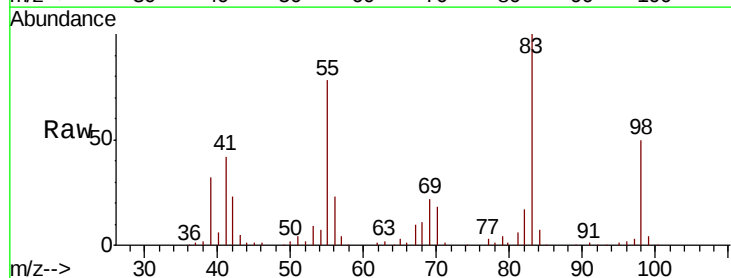


Abundance Ion 95.00 (94.70 to 95.70): VV0
 Ion 96.95 (96.65 to 97.65): VV0
 Ion 131.95 (131.65 to 132.65): VV0
 Ion 129.95 (129.65 to 130.65): VV0

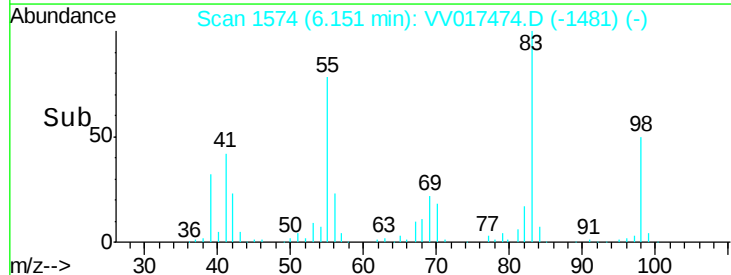
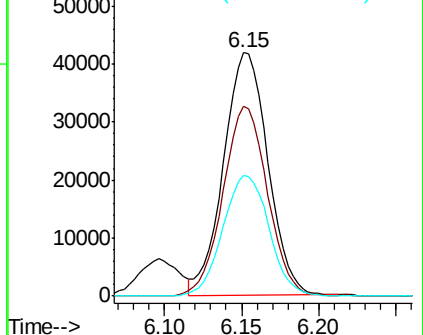


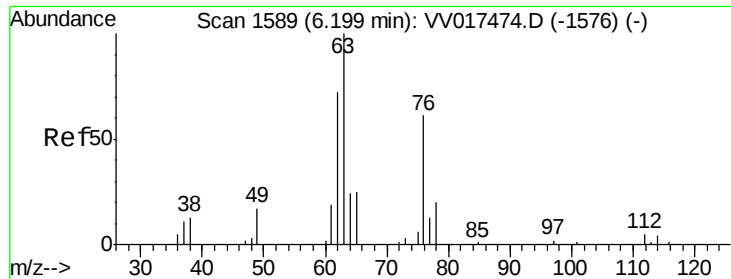
#35
 Methylcyclohexane
 Concen: 5.012 ug/L
 RT: 6.15 min Scan# 1574
 Delta R.T. 0.00 min
 Lab File: VV017474.D
 Acq: 14 Jul 2020 10:18

Tgt Ion: 83 Resp: 83396
 Ion Ratio Lower Upper
 83 100
 55 77.5 62.0 93.0
 98 51.8 41.4 62.2



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: 4.637 ug/L

RT: 6.20 min Scan# 1589

Delta R.T. 0.00 min

Lab File: VV017474.D

Acq: 14 Jul 2020 10:18

Instrument :

MSVOA_V

ClientSampleId :

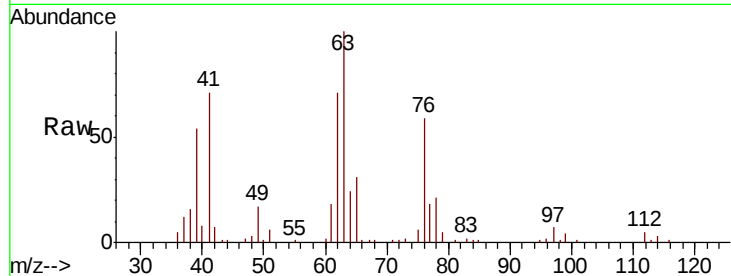
VSTD00531

Tot Ion: 63 Resp: 41171

Ion Ratio Lower Upper

63 100

112 5.5 4.4 6.6



Abundance Ion 63.10 (62.80 to 63.80): VV017474.D (-1576) (-)

Ion 112.10 (111.80 to 112.80): VV017474.D (-1576) (-)

25000

20000

15000

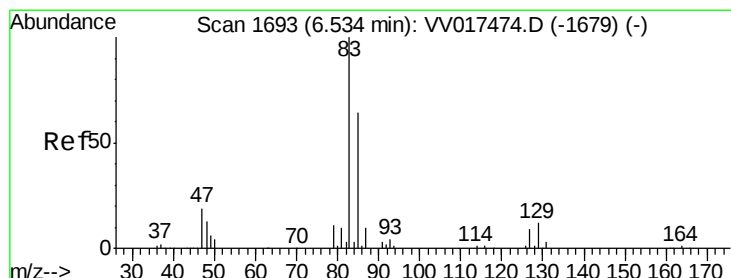
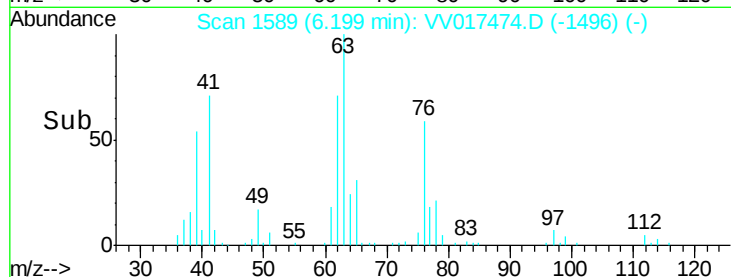
10000

5000

0

6.15 6.20 6.25

Time-->



#38

Bromodichloromethane

Concen: 5.383 ug/L

RT: 6.53 min Scan# 1693

Delta R.T. 0.00 min

Lab File: VV017474.D

Acq: 14 Jul 2020 10:18

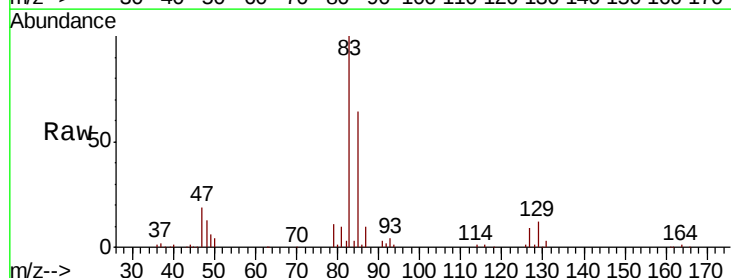
Tgt Ion: 83 Resp: 67731

Ion Ratio Lower Upper

83 100

85 64.3 45.0 83.6

127 9.4 7.5 11.3



Abundance Ion 82.95 (82.65 to 83.65): VV017474.D (-1679) (-)

Ion 85.00 (84.70 to 85.70): VV017474.D (-1679) (-)

Ion 126.90 (126.60 to 127.60): VV017474.D (-1679) (-)

40000

30000

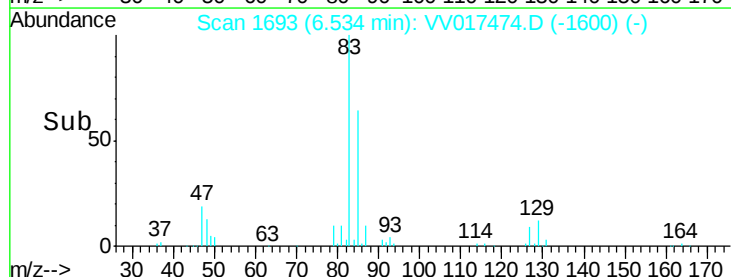
20000

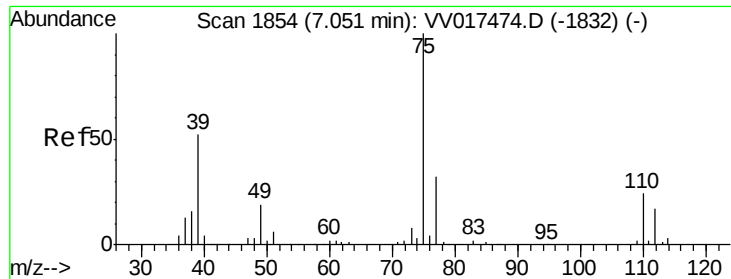
10000

0

6.45 6.50 6.55 6.60 6.65

Time-->

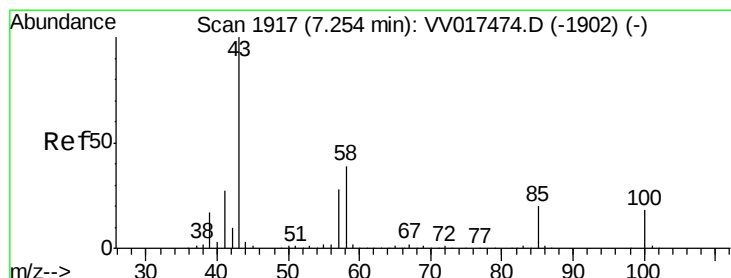
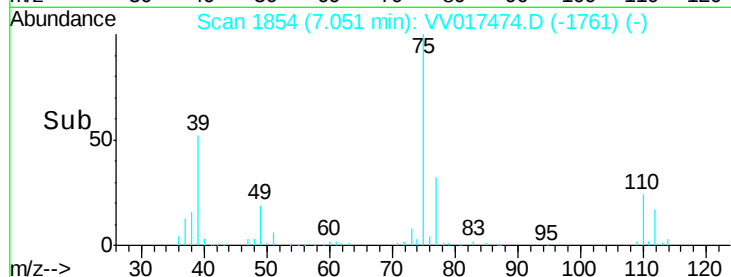
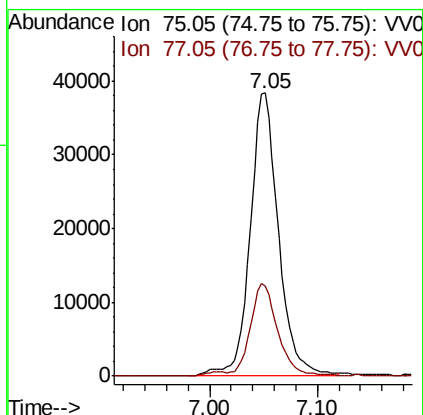
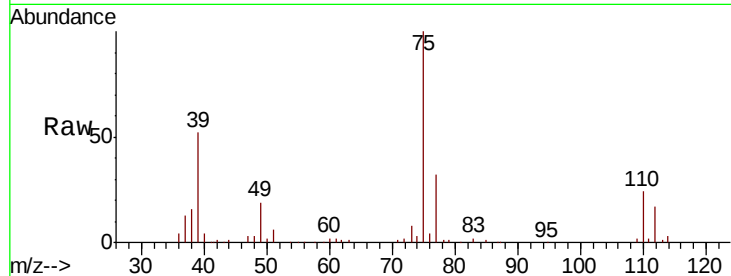




#39
 cis-1,3-Dichloropropene
 Concen: 5.186 ug/L
 RT: 7.05 min Scan# 1854
 Delta R.T. 0.00 min
 Lab File: VV017474.D
 Acq: 14 Jul 2020 10:18

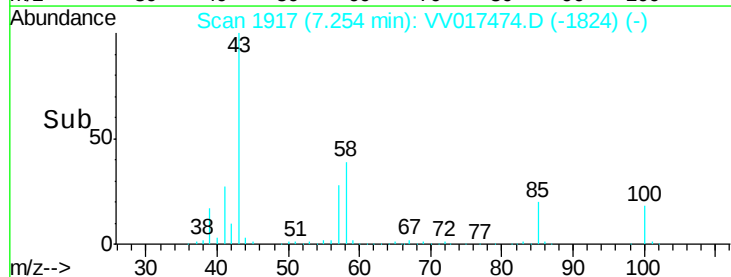
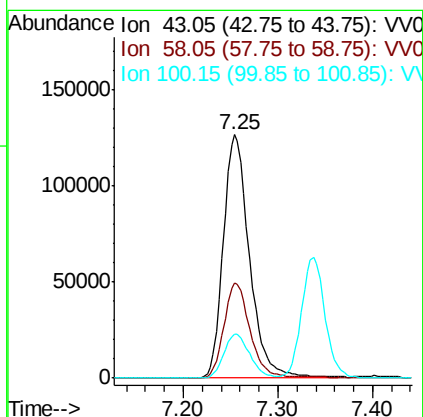
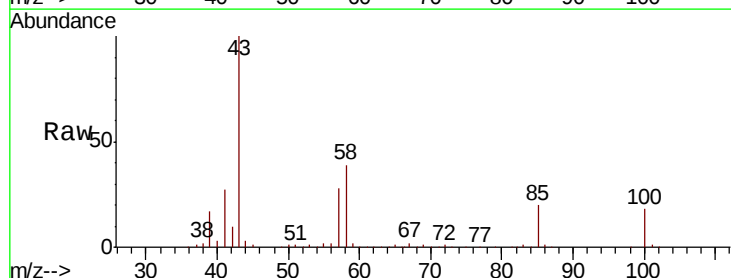
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00531

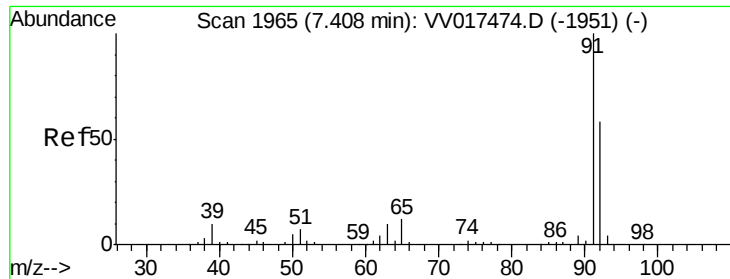
Tot Ion: 75 Resp: 70115
 Ion Ratio Lower Upper
 75 100
 77 31.9 22.3 41.5



#40
 4-Methyl-2-pentanone
 Concen: 47.417 ug/L
 RT: 7.25 min Scan# 1917
 Delta R.T. 0.00 min
 Lab File: VV017474.D
 Acq: 14 Jul 2020 10:18

Tgt Ion: 43 Resp: 243176
 Ion Ratio Lower Upper
 43 100
 58 38.7 31.0 46.4
 100 18.0 14.4 21.6





#42

Toluene

Concen: 4.980 ug/L

RT: 7.41 min Scan# 1965

Delta R.T. 0.00 min

Lab File: VV017474.D

Acq: 14 Jul 2020 10:18

Instrument :

MSVOA_V

ClientSampleId :

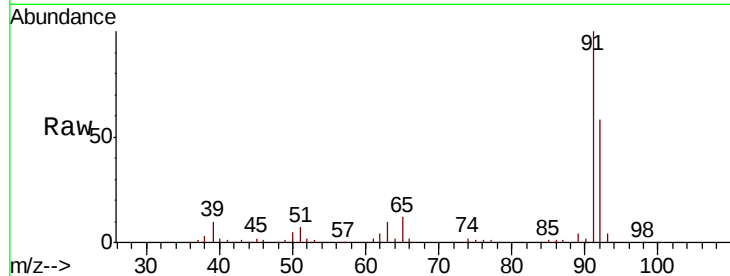
VSTD00531

Tot Ion: 91 Resp: 212422

Ion Ratio Lower Upper

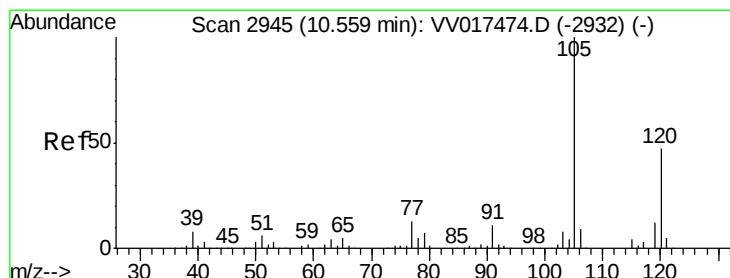
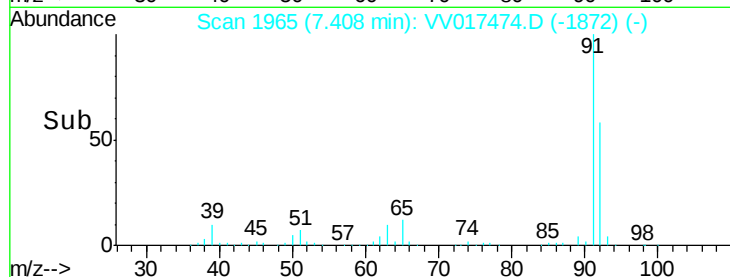
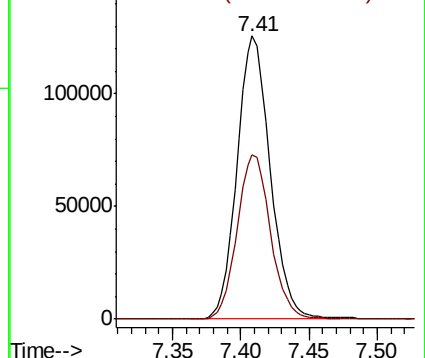
91 100

92 58.1 40.7 75.5



Abundance Ion 91.15 (90.85 to 91.85): VV0

Ion 92.15 (91.85 to 92.85): VV0



#43

1,3,5-Trimethylbenzene

Concen: 5.530 ug/L

RT: 10.56 min Scan# 2945

Delta R.T. 0.00 min

Lab File: VV017474.D

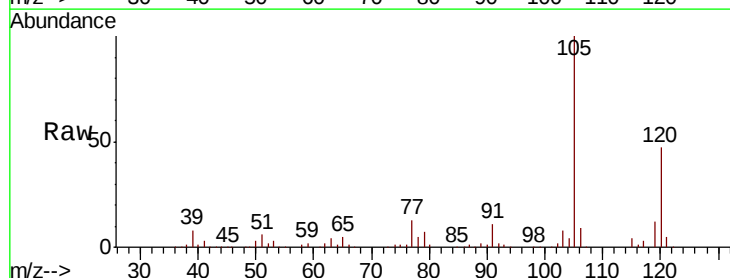
Acq: 14 Jul 2020 10:18

Tgt Ion: 105 Resp: 213368

Ion Ratio Lower Upper

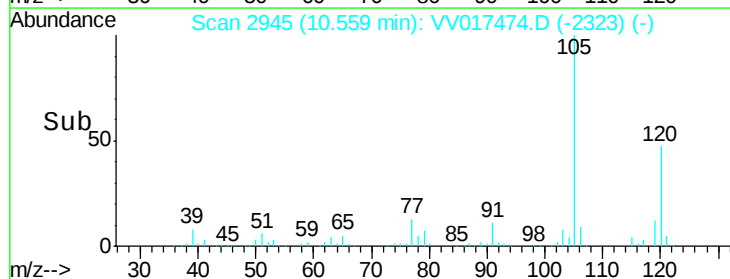
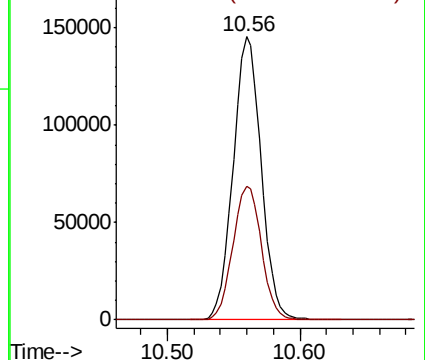
105 100

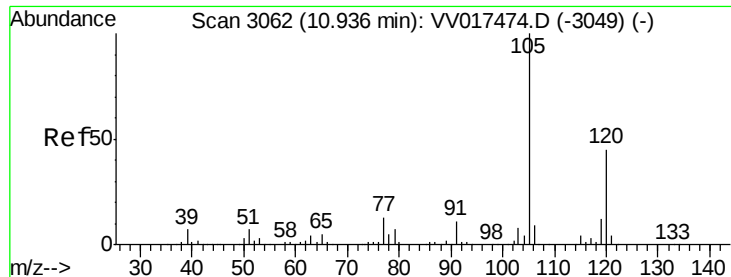
120 48.3 38.6 58.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

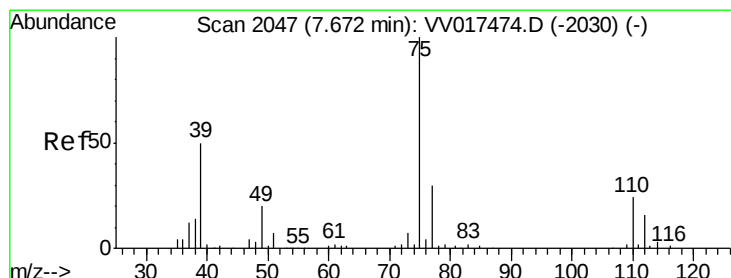
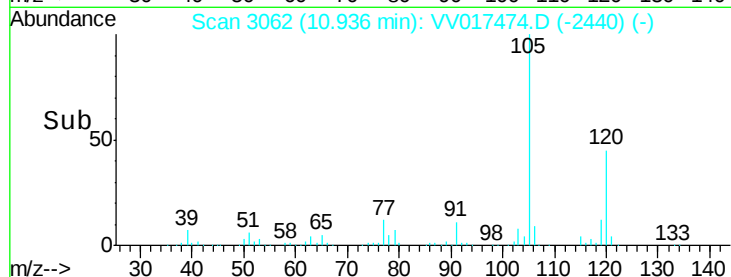
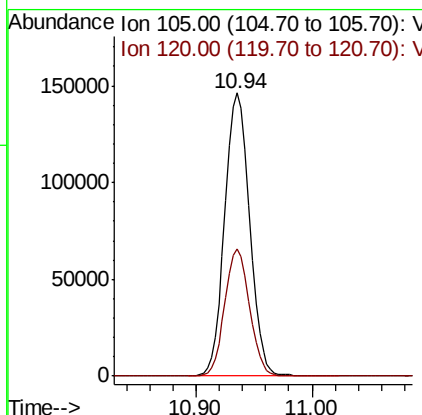
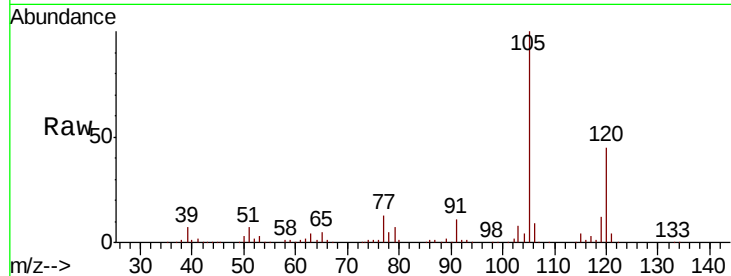




#44
1,2,4-Trimethylbenzene
Concen: 5.543 ug/L
RT: 10.94 min Scan# 3062
Delta R.T. 0.00 min
Lab File: VV017474.D
Acq: 14 Jul 2020 10:18

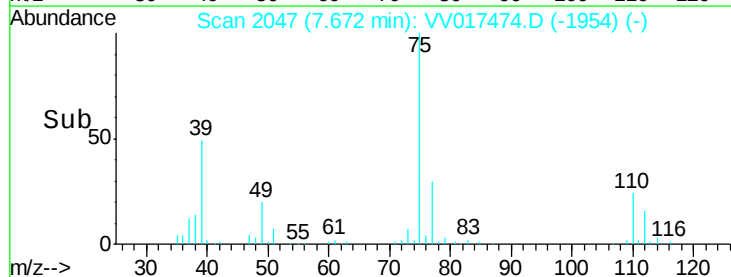
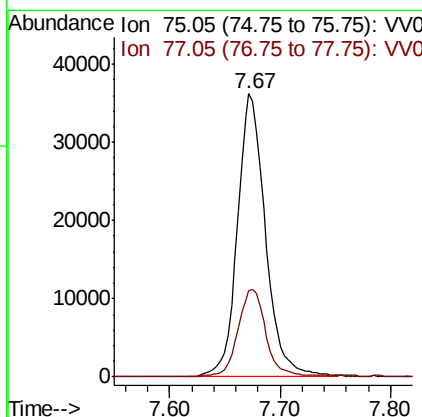
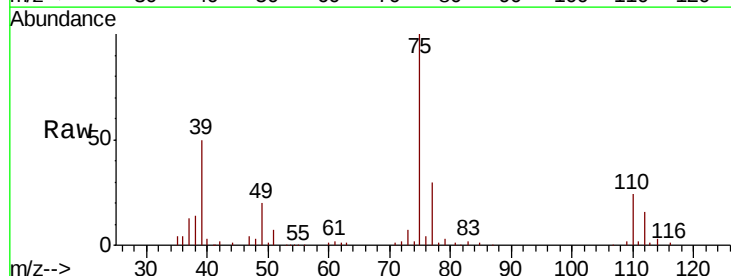
Instrument :
MSVOA_V
ClientSampleId :
VSTD00531

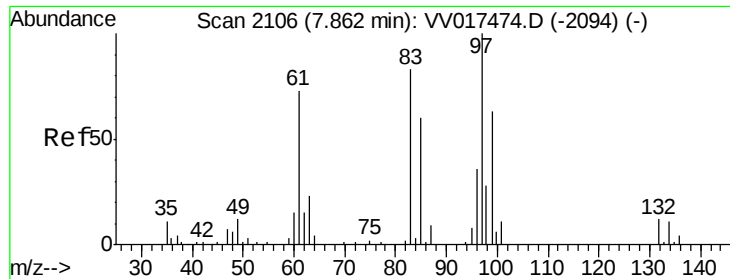
Tot Ion:105 Resp: 217000
Ion Ratio Lower Upper
105 100
120 44.5 35.6 53.4



#46
trans-1,3-Dichloropropene
Concen: 5.409 ug/L
RT: 7.67 min Scan# 2047
Delta R.T. 0.00 min
Lab File: VV017474.D
Acq: 14 Jul 2020 10:18

Tgt Ion: 75 Resp: 64002
Ion Ratio Lower Upper
75 100
77 30.3 21.2 39.4

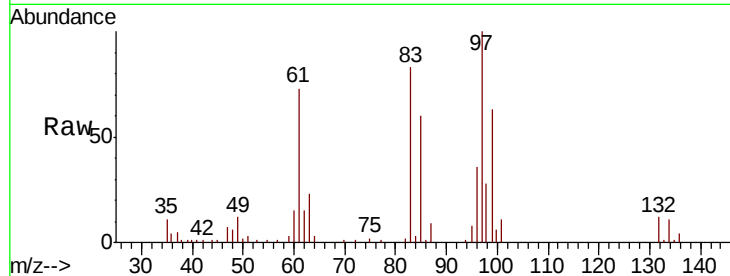




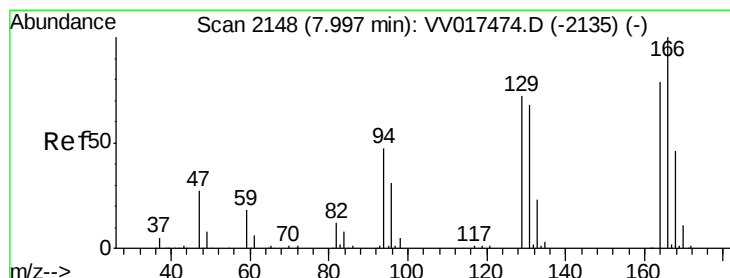
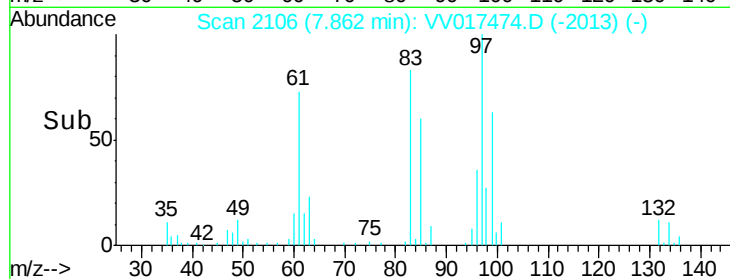
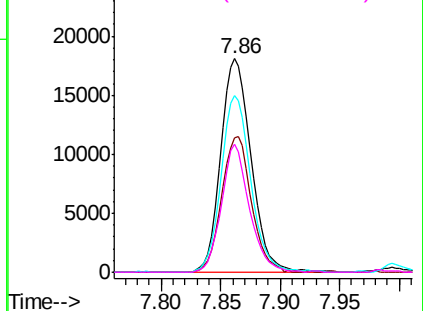
#47
 1,1,2-Trichloroethane
 Concen: 5.004 ug/L
 RT: 7.86 min Scan# 2106
 Delta R.T. 0.00 min
 Lab File: VV017474.D
 Acq: 14 Jul 2020 10:18

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00531

Tot Ion: 97 Resp: 32058
 Ion Ratio Lower Upper
 97 100
 99 62.8 44.0 81.6
 83 82.5 57.7 107.3
 85 59.9 41.9 77.9

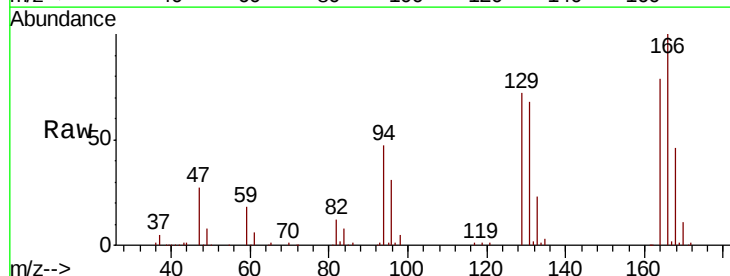


Abundance Ion 96.95 (96.65 to 97.65): VV0
 Ion 99.05 (98.75 to 99.75): VV0
 Ion 82.95 (82.65 to 83.65): VV0
 Ion 85.00 (84.70 to 85.70): VV0

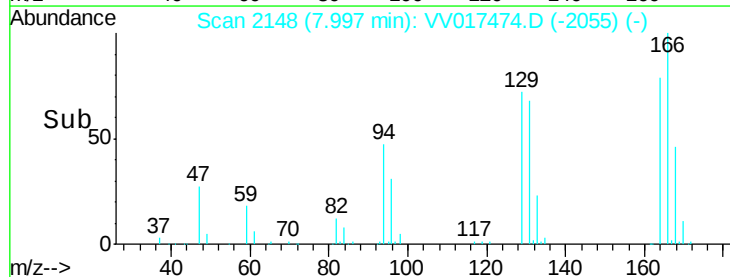
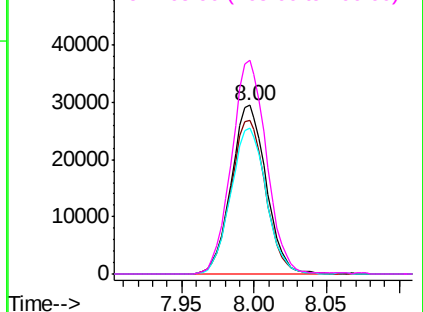


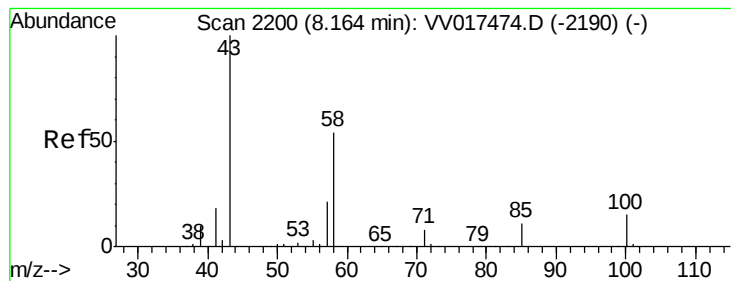
#49
 Tetrachloroethene
 Concen: 5.569 ug/L
 RT: 8.00 min Scan# 2148
 Delta R.T. 0.00 min
 Lab File: VV017474.D
 Acq: 14 Jul 2020 10:18

Tgt Ion: 164 Resp: 49332
 Ion Ratio Lower Upper
 164 100
 129 91.6 64.1 119.1
 131 86.6 60.6 112.6
 166 126.8 88.8 164.8



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





#50

2-Hexanone

Concen: 47.793 ug/L

RT: 8.16 min Scan# 2200

Delta R.T. 0.00 min

Lab File: VV017474.D

Acq: 14 Jul 2020 10:18

Instrument :

MSVOA_V

ClientSampleId :

VSTD00531

Tot Ion: 43 Resp: 174339

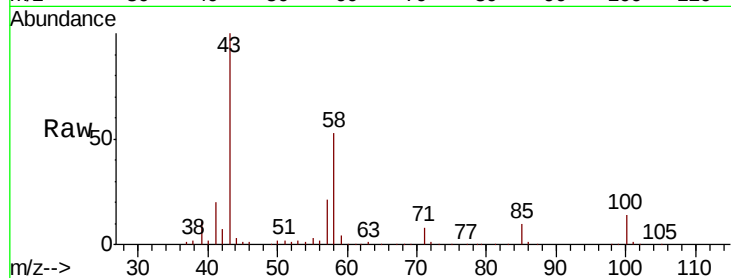
Ion Ratio Lower Upper

43 100

58 53.7 43.0 64.4

57 21.0 16.8 25.2

100 14.7 11.8 17.6

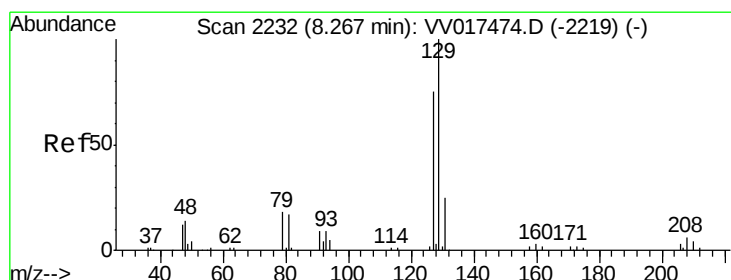
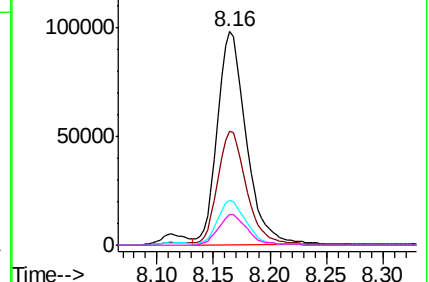
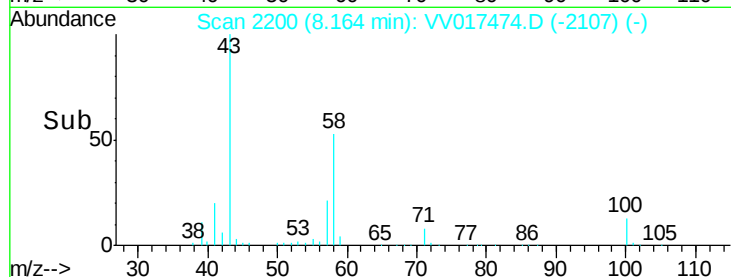


Abundance Ion 43.05 (42.75 to 43.75): VV017474.D (-2190) (-)

Ion 58.05 (57.75 to 58.75): VV017474.D (-2190) (-)

Ion 57.20 (56.90 to 57.90): VV017474.D (-2190) (-)

Ion 100.15 (99.85 to 100.85): VV017474.D (-2190) (-)



#51

Dibromochloromethane

Concen: 5.714 ug/L

RT: 8.27 min Scan# 2232

Delta R.T. 0.00 min

Lab File: VV017474.D

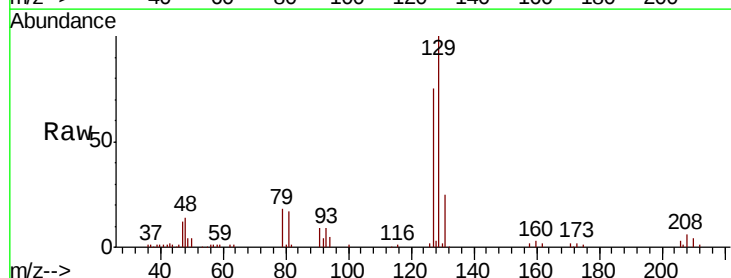
Acq: 14 Jul 2020 10:18

Tgt Ion: 129 Resp: 45764

Ion Ratio Lower Upper

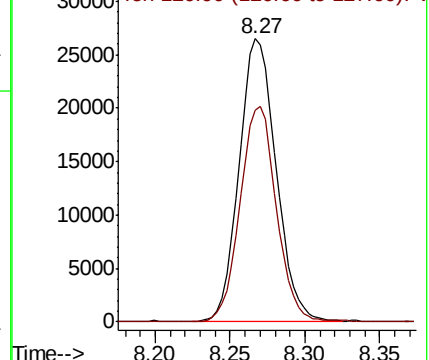
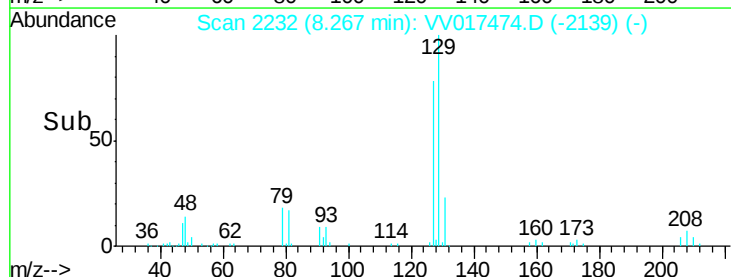
129 100

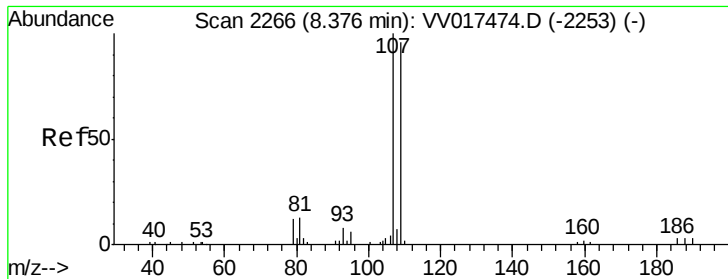
127 74.9 52.4 97.4



Abundance Ion 128.95 (128.65 to 129.65): VV017474.D (-2219) (-)

Ion 126.90 (126.60 to 127.60): VV017474.D (-2219) (-)

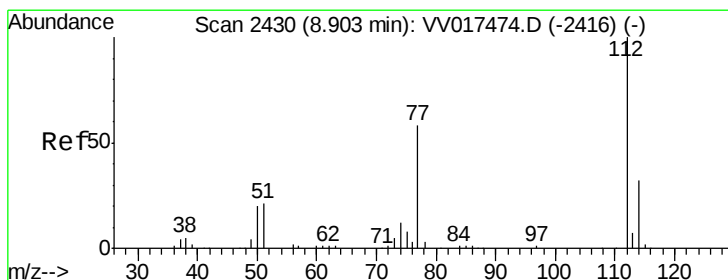
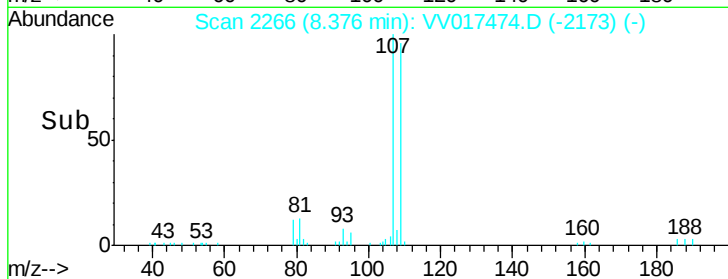
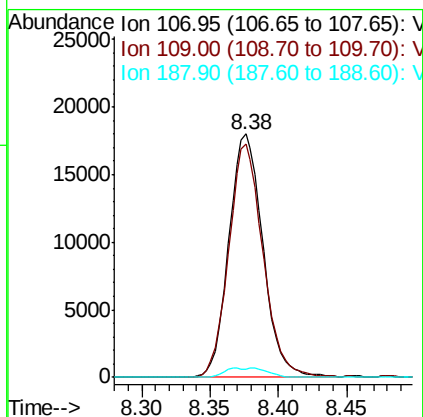
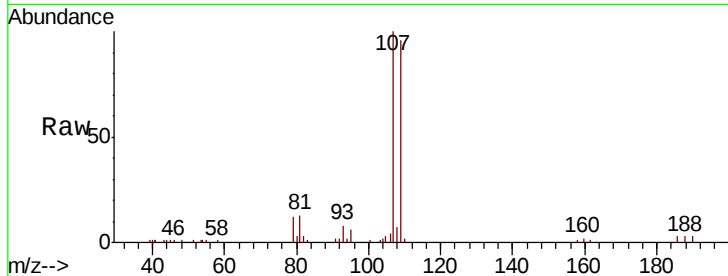




#52
 1,2-Dibromoethane
 Concen: 5.107 ug/L
 RT: 8.38 min Scan# 2266
 Delta R.T. 0.00 min
 Lab File: VV017474.D
 Acq: 14 Jul 2020 10:18

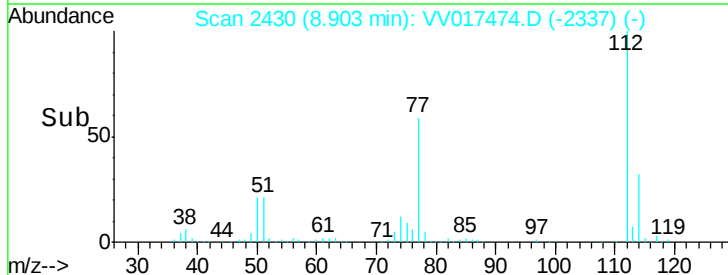
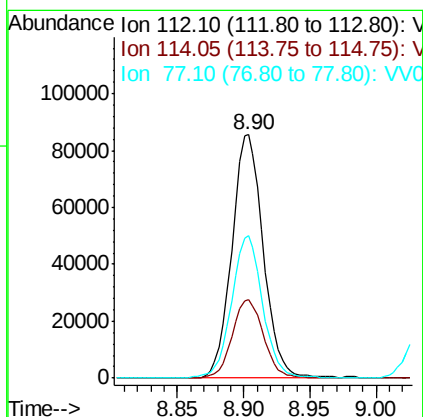
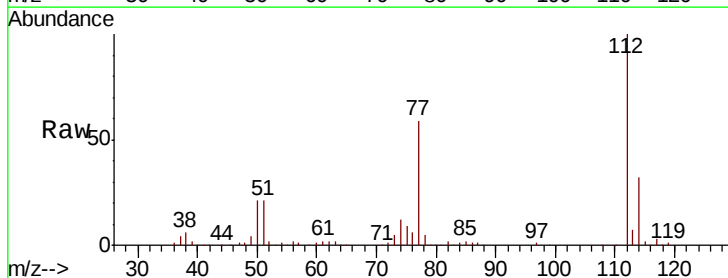
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00531

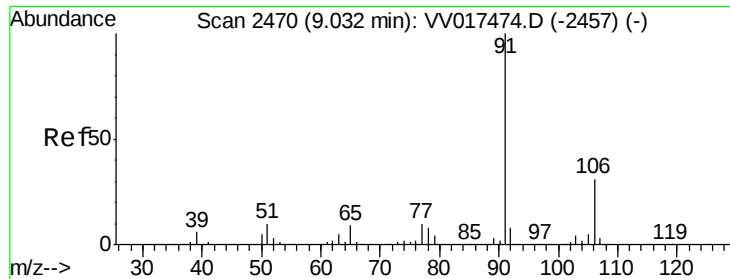
Tot Ion:107 Resp: 31239
 Ion Ratio Lower Upper
 107 100
 109 95.7 67.0 124.4
 188 3.4 2.7 4.1



#53
 Chlorobenzene
 Concen: 5.251 ug/L
 RT: 8.90 min Scan# 2430
 Delta R.T. 0.00 min
 Lab File: VV017474.D
 Acq: 14 Jul 2020 10:18

Tgt Ion:112 Resp: 140614
 Ion Ratio Lower Upper
 112 100
 114 32.0 22.4 41.6
 77 58.7 47.0 70.4

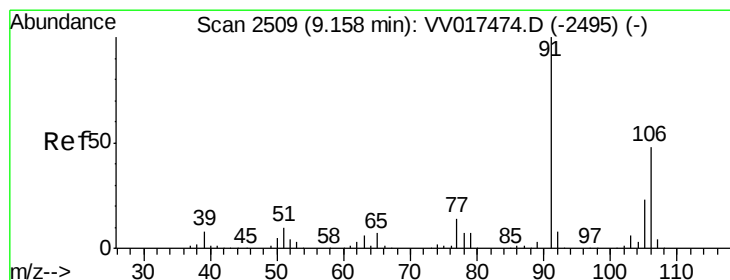
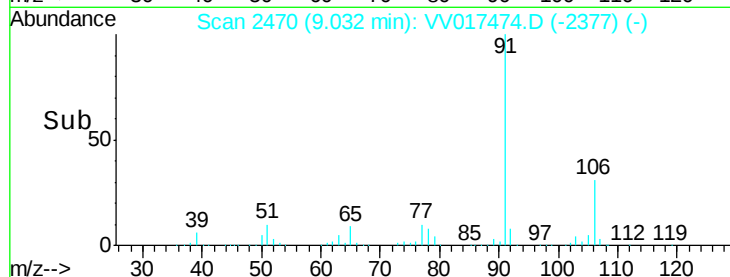
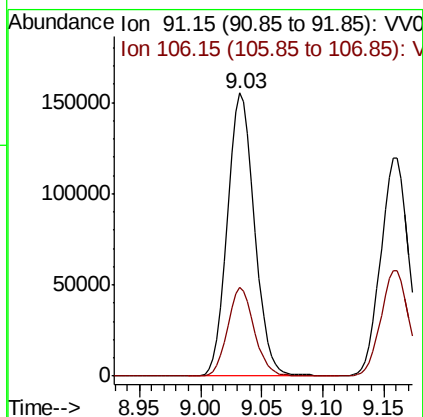
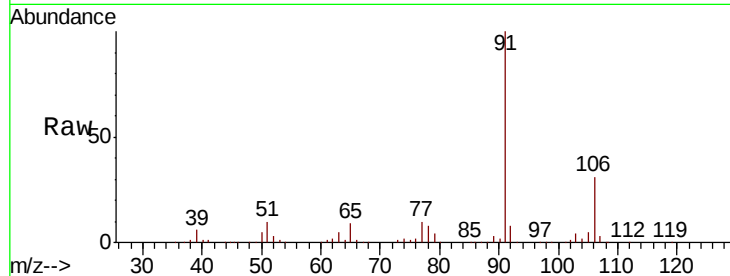




#54
Ethylbenzene
Concen: 5.305 ug/L
RT: 9.03 min Scan# 2470
Delta R.T. 0.00 min
Lab File: VV017474.D
Acq: 14 Jul 2020 10:18

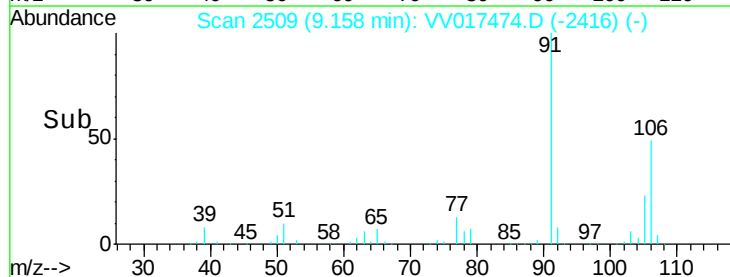
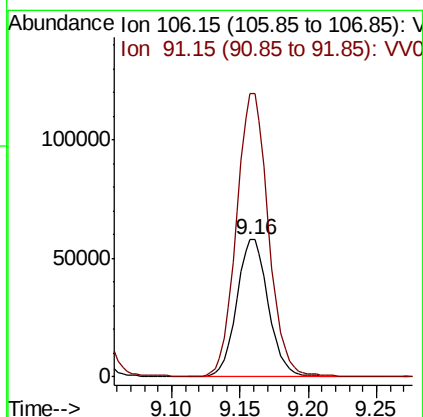
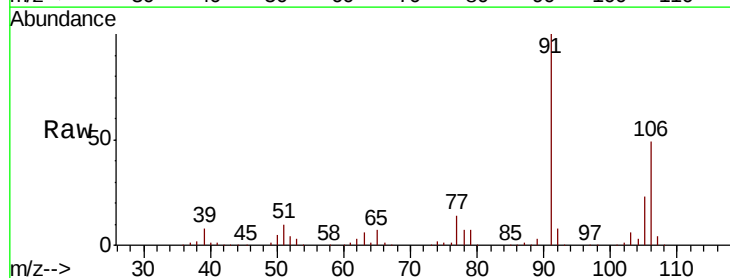
Instrument :
MSVOA_V
ClientSampleId :
VSTD00531

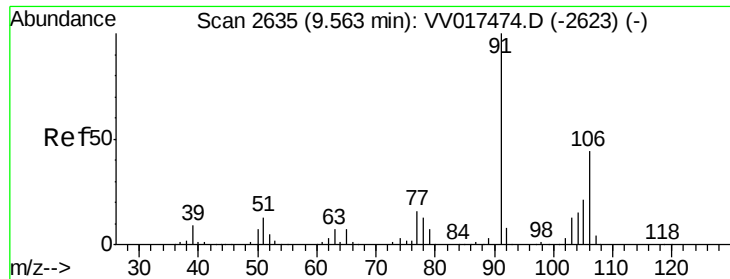
Tot Ion: 91 Resp: 242353
Ion Ratio Lower Upper
91 100
106 31.3 21.9 40.7



#55
m,p-xylene
Concen: 5.179 ug/L
RT: 9.16 min Scan# 2509
Delta R.T. 0.00 min
Lab File: VV017474.D
Acq: 14 Jul 2020 10:18

Tgt Ion: 106 Resp: 92776
Ion Ratio Lower Upper
106 100
91 206.0 144.2 267.8

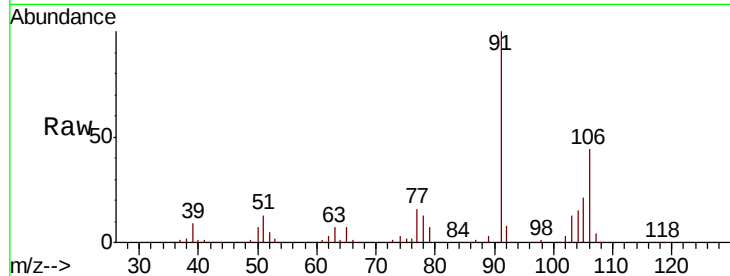




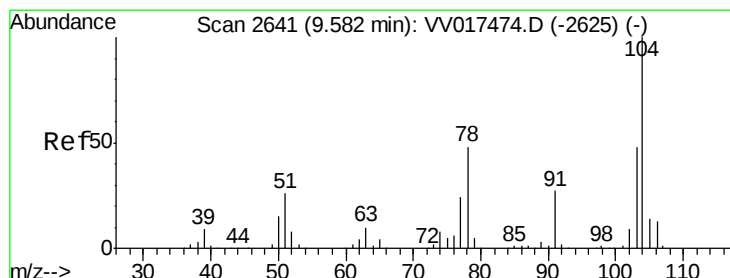
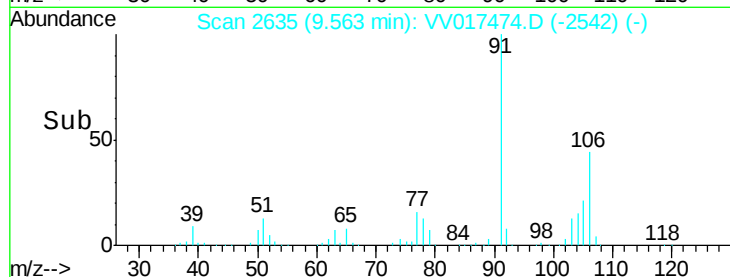
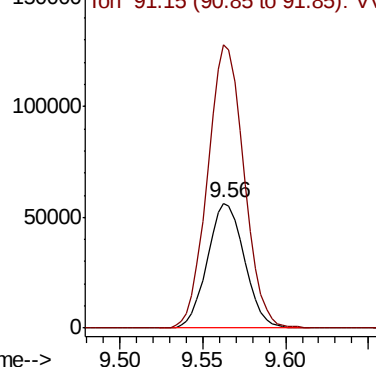
#56
o-xylene
Concen: 5.240 ug/L
RT: 9.56 min Scan# 2635
Delta R.T. 0.00 min
Lab File: VV017474.D
Acq: 14 Jul 2020 10:18

Instrument :
MSVOA_V
ClientSampleId :
VSTD00531

Tot Ion:106 Resp: 87468
Ion Ratio Lower Upper
106 100
91 226.8 158.8 294.8

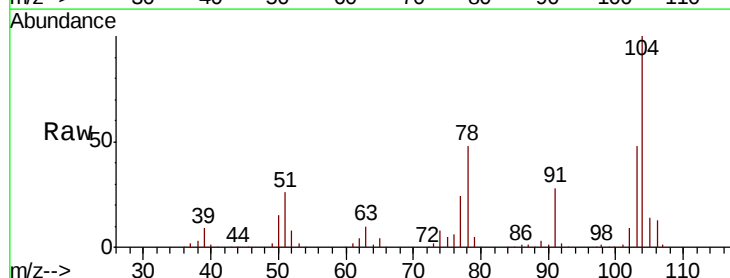


Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VV0

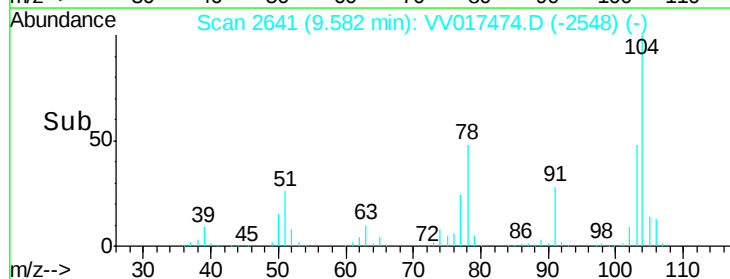
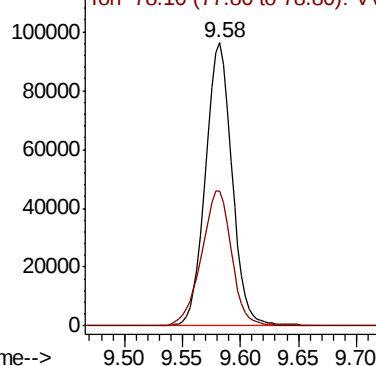


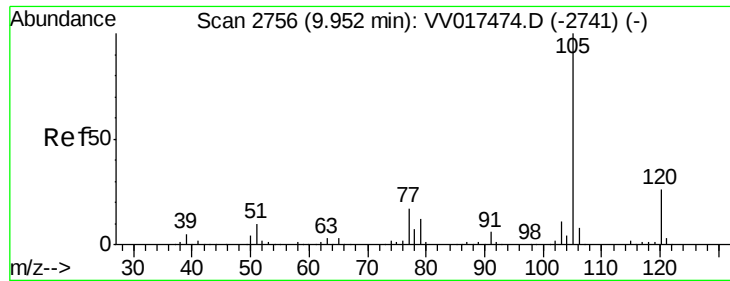
#57
Styrene
Concen: 5.470 ug/L
RT: 9.58 min Scan# 2641
Delta R.T. 0.00 min
Lab File: VV017474.D
Acq: 14 Jul 2020 10:18

Tgt Ion:104 Resp: 152603
Ion Ratio Lower Upper
104 100
78 47.8 33.5 62.1



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





#58

Isopropylbenzene

Concen: 5.490 ug/L

RT: 9.95 min Scan# 2756

Delta R.T. 0.00 min

Lab File: VV017474.D

Acq: 14 Jul 2020 10:18

Instrument :

MSVOA_V

ClientSampleId :

VSTD00531

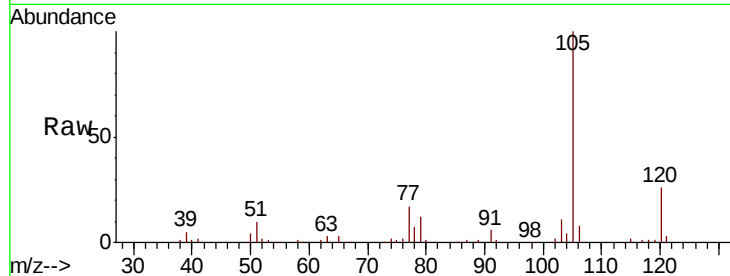
Tot Ion:105 Resp: 254461

Ion Ratio Lower Upper

105 100

120 26.6 21.3 31.9

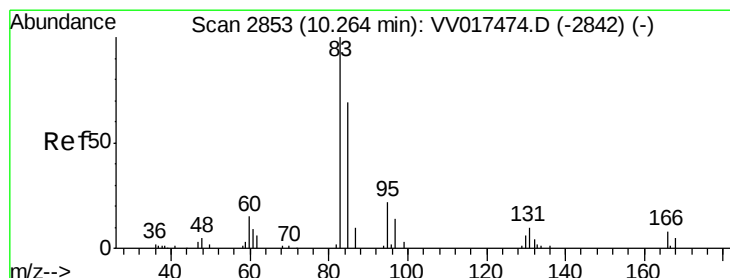
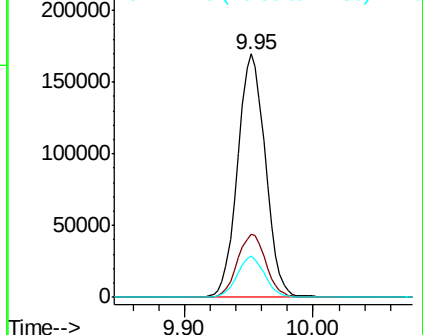
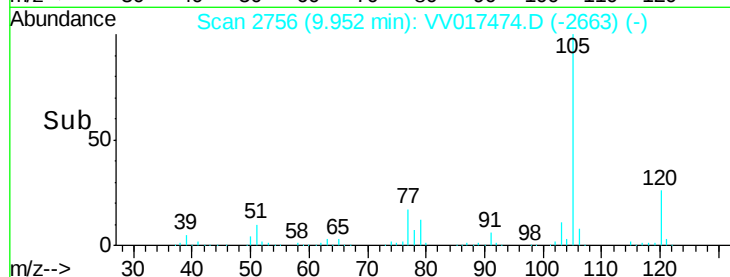
77 16.6 13.3 19.9



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



#60

1,1,2,2-Tetrachloroethane

Concen: 5.039 ug/L

RT: 10.26 min Scan# 2853

Delta R.T. 0.00 min

Lab File: VV017474.D

Acq: 14 Jul 2020 10:18

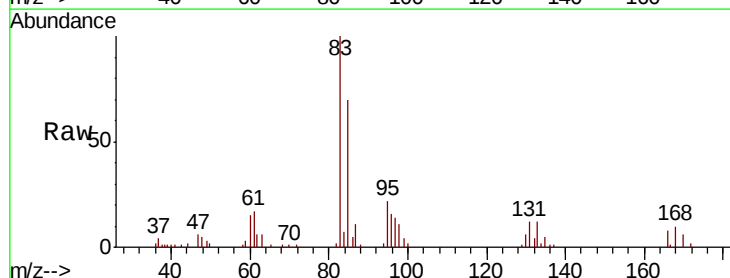
Tgt Ion: 83 Resp: 33232

Ion Ratio Lower Upper

83 100

85 70.2 49.1 91.3

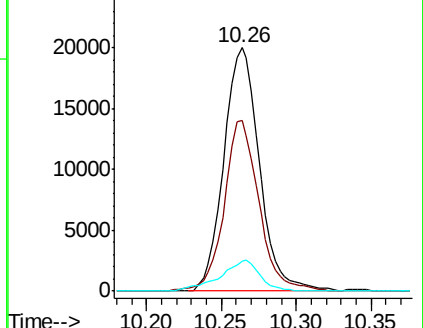
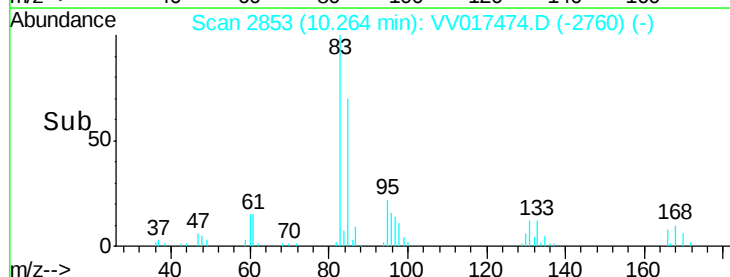
131 12.2 9.8 14.6

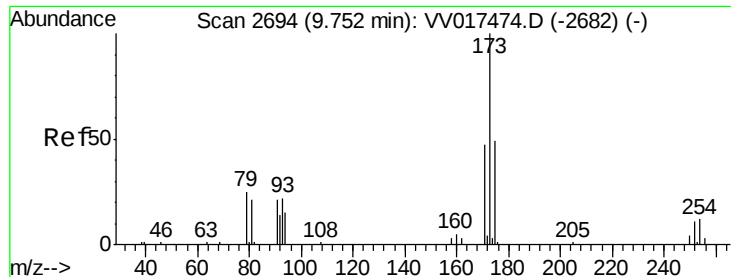


Abundance Ion 82.95 (82.65 to 83.65): V

Ion 85.00 (84.70 to 85.70): V

Ion 130.95 (130.65 to 131.65): V





#62

Bromoform

Concen: 5.788 ug/L

RT: 9.75 min Scan# 2694

Delta R.T. 0.00 min

Lab File: VV017474.D

Acq: 14 Jul 2020 10:18

Instrument :

MSVOA_V

ClientSampleId :

VSTD00531

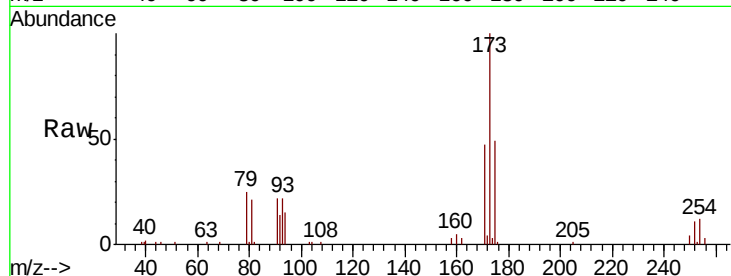
Tot Ion:173 Resp: 25271

Ion Ratio Lower Upper

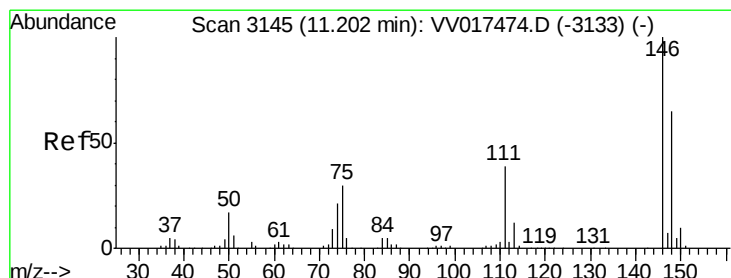
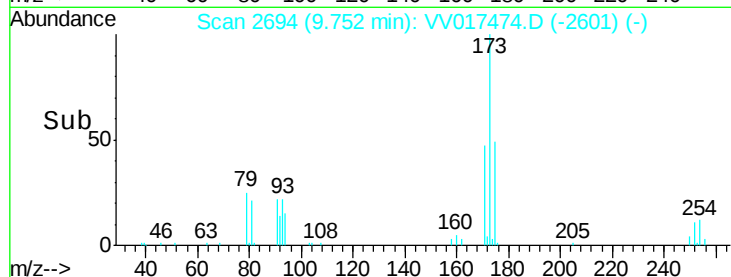
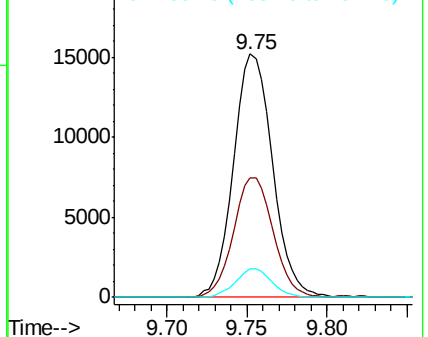
173 100

175 49.8 39.8 59.8

254 10.6 8.5 12.7



Abundance Ion 172.90 (172.60 to 173.60): V
Ion 174.90 (174.60 to 175.60): V
Ion 253.75 (253.45 to 254.45): V



#63

1,3-Dichlorobenzene

Concen: 5.161 ug/L

RT: 11.20 min Scan# 3145

Delta R.T. 0.00 min

Lab File: VV017474.D

Acq: 14 Jul 2020 10:18

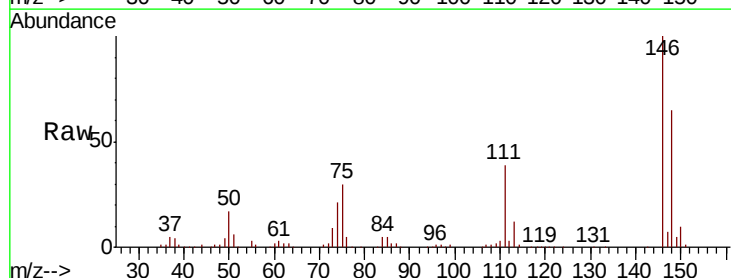
Tgt Ion:146 Resp: 122603

Ion Ratio Lower Upper

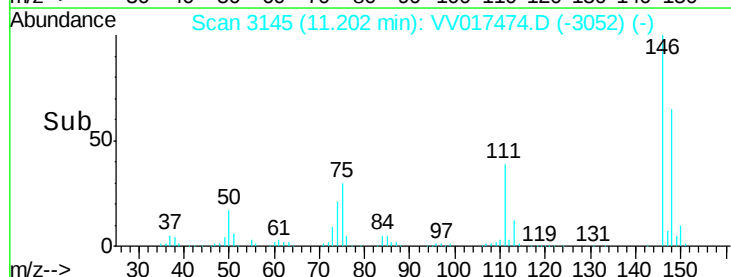
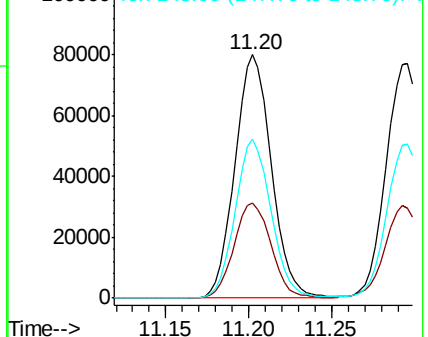
146 100

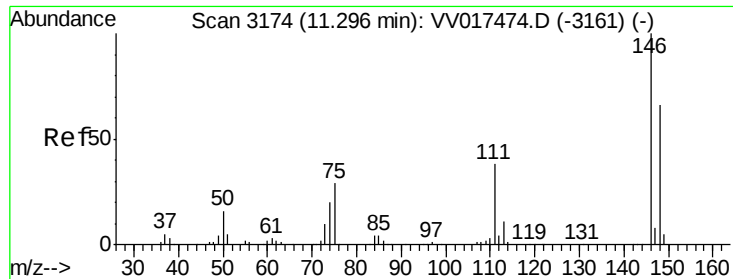
111 38.9 27.2 50.6

148 65.1 45.6 84.6



Abundance Ion 145.95 (145.65 to 146.65): V
Ion 111.00 (110.70 to 111.70): V
Ion 148.00 (147.70 to 148.70): V





#64

1,4-Dichlorobenzene

Concen: 5.018 ug/L

RT: 11.30 min Scan# 3174

Delta R.T. 0.00 min

Lab File: VV017474.D

Acq: 14 Jul 2020 10:18

Instrument :

MSVOA_V

ClientSampleId :

VSTD00531

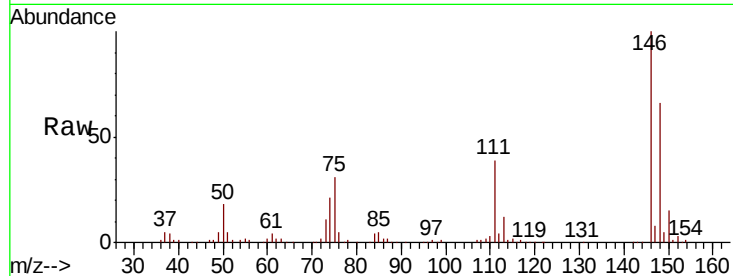
Tot Ion:146 Resp: 120853

Ion Ratio Lower Upper

146 100

111 38.5 26.9 50.1

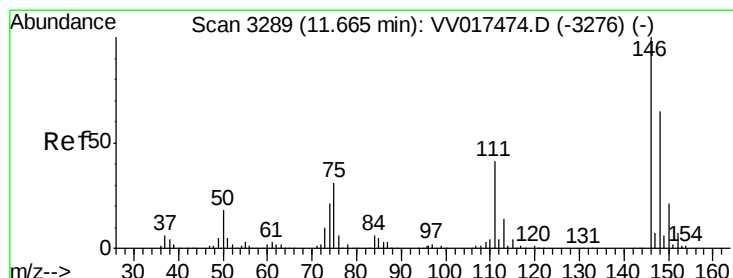
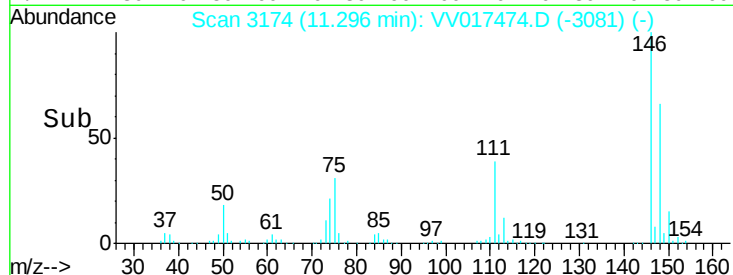
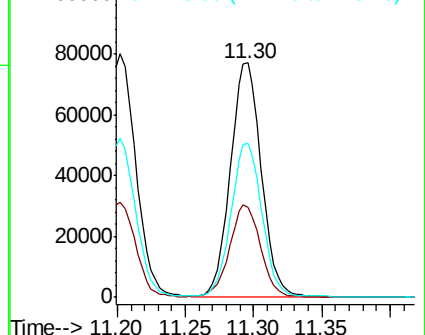
148 65.8 46.1 85.5



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#66

1,2-Dichlorobenzene

Concen: 5.143 ug/L

RT: 11.67 min Scan# 3289

Delta R.T. 0.00 min

Lab File: VV017474.D

Acq: 14 Jul 2020 10:18

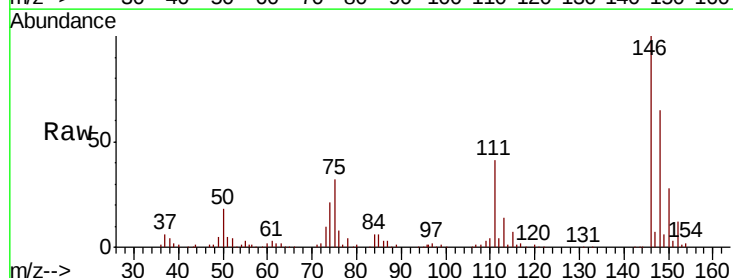
Tgt Ion:146 Resp: 110644

Ion Ratio Lower Upper

146 100

111 40.9 32.7 49.1

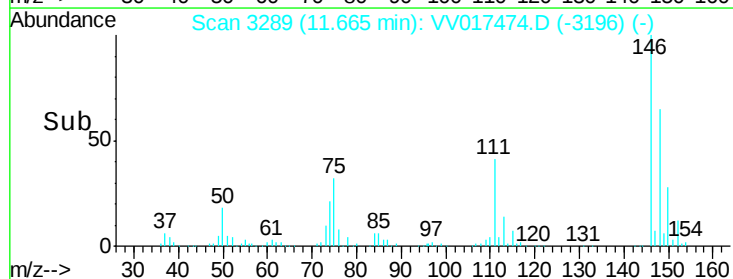
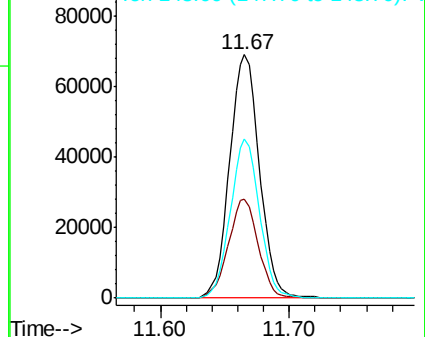
148 65.4 52.3 78.5

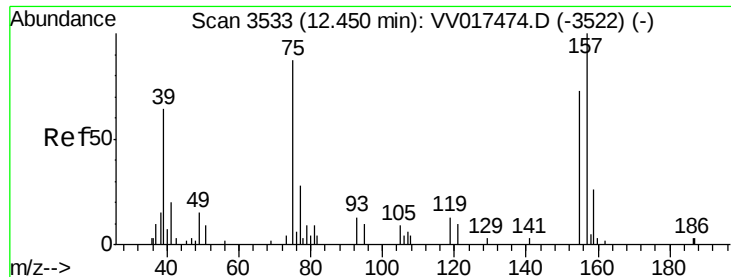


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

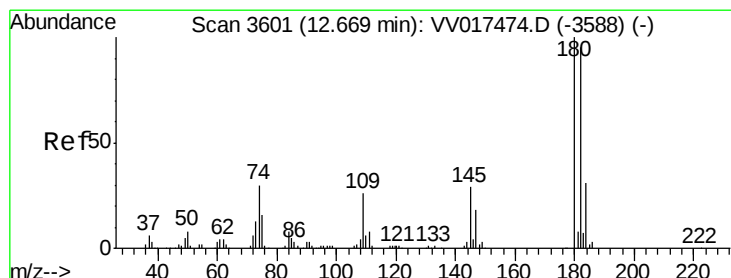
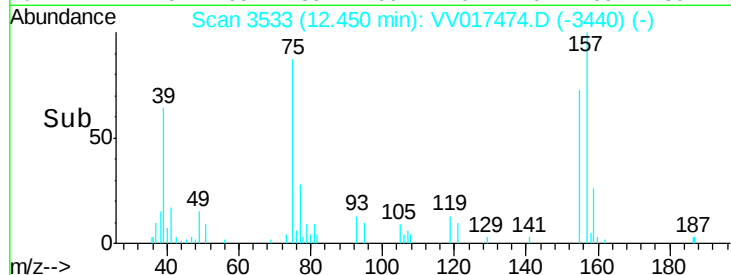
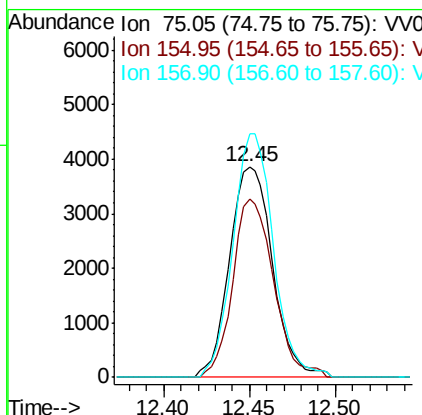
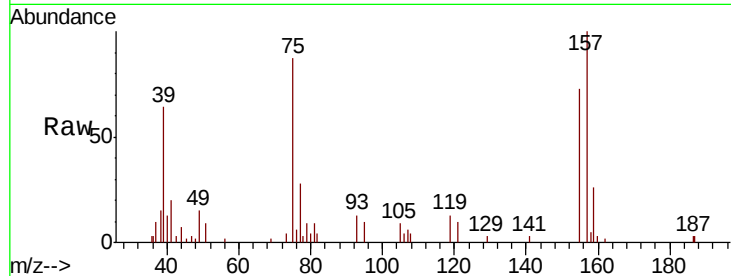




#67
 1,2-Dibromo-3-chloropropane
 Concen: 5.490 ug/L
 RT: 12.45 min Scan# 3533
 Delta R.T. 0.00 min
 Lab File: VV017474.D
 Acq: 14 Jul 2020 10:18

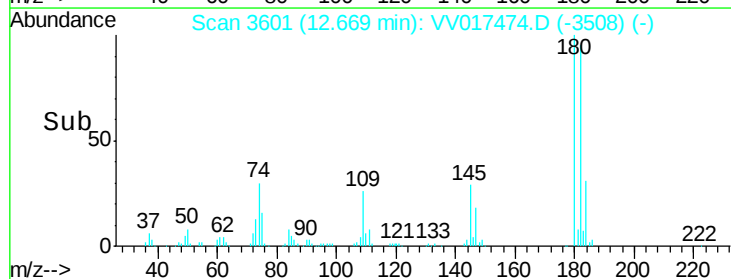
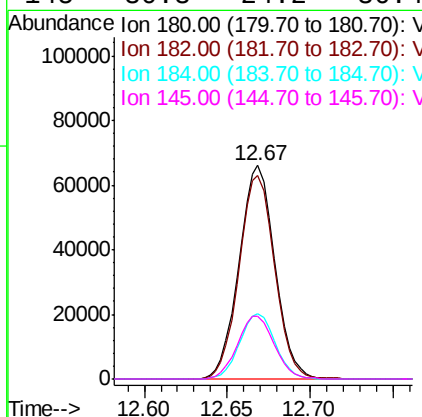
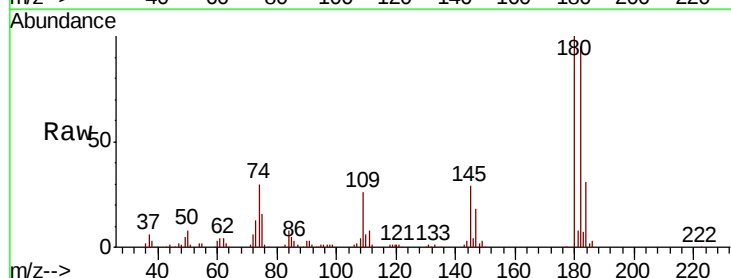
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00531

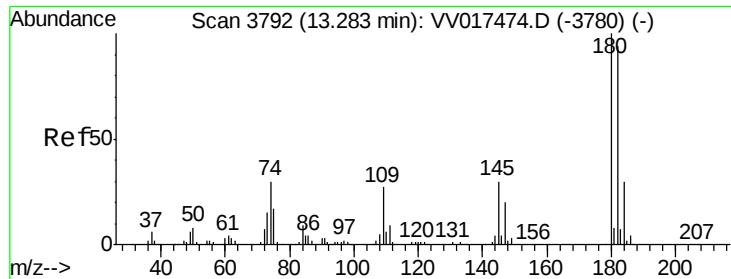
Tot Ion: 75 Resp: 6756
 Ion Ratio Lower Upper
 75 100
 155 84.4 67.5 101.3
 157 115.6 92.5 138.7



#68
 1,3,5-Trichlorobenzene
 Concen: 5.190 ug/L
 RT: 12.67 min Scan# 3601
 Delta R.T. 0.00 min
 Lab File: VV017474.D
 Acq: 14 Jul 2020 10:18

Tgt Ion: 180 Resp: 99165
 Ion Ratio Lower Upper
 180 100
 182 95.3 76.2 114.4
 184 30.4 24.3 36.5
 145 30.3 24.2 36.4

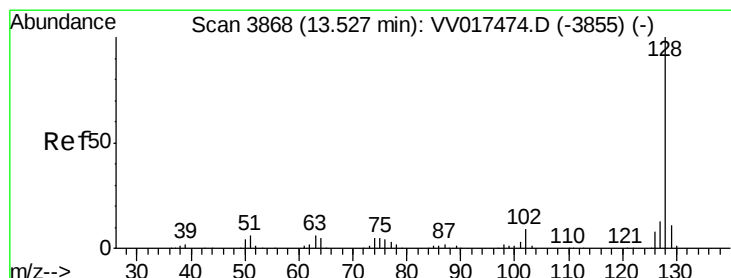
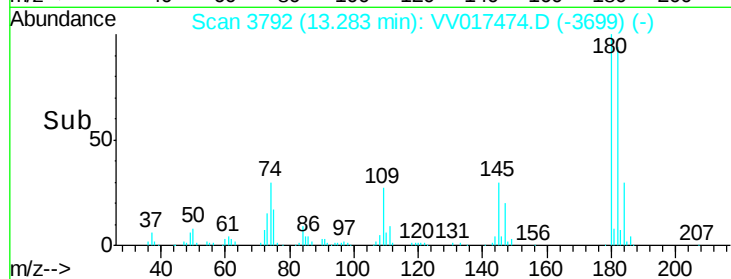
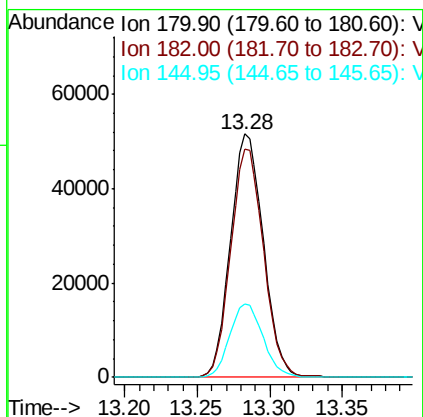
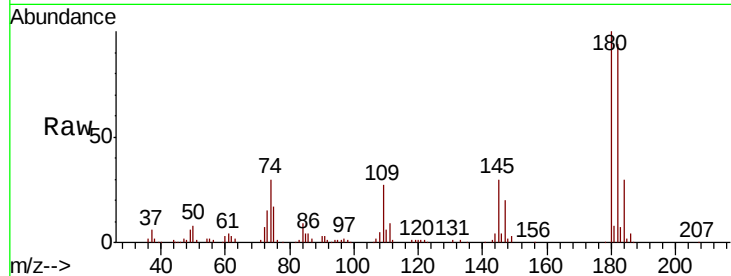




#69
 1,2,4-trichlorobenzene
 Concen: 5.157 ug/L
 RT: 13.28 min Scan# 3792
 Delta R.T. 0.00 min
 Lab File: VV017474.D
 Acq: 14 Jul 2020 10:18

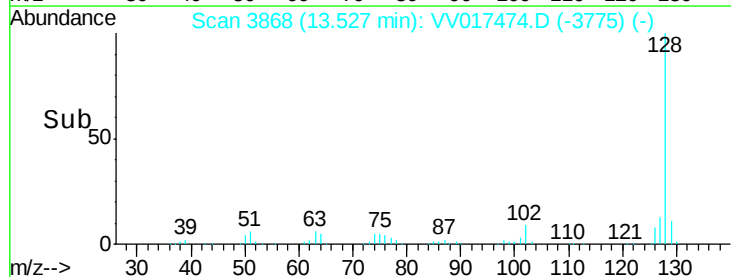
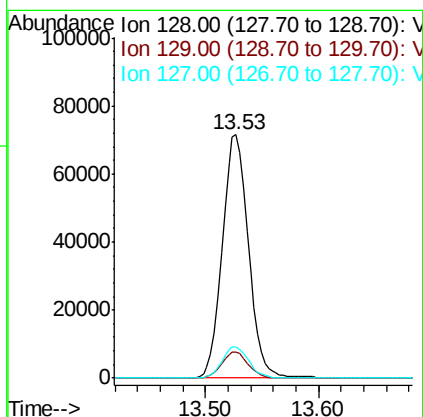
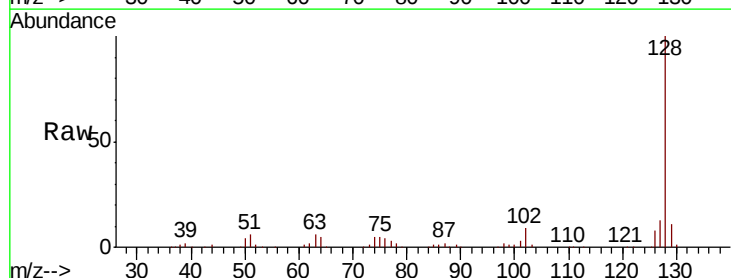
Instrument :
 MSVOA_V
 ClientSampled :
 VSTD00531

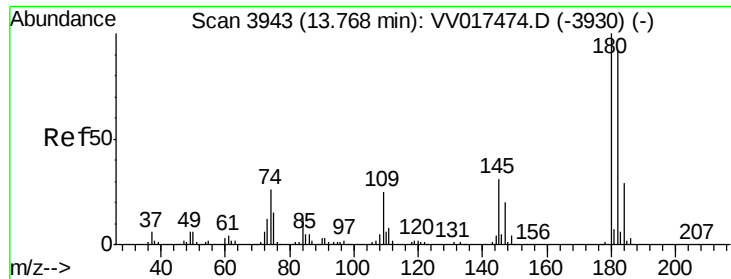
Tot Ion:180 Resp: 81163
 Ion Ratio Lower Upper
 180 100
 182 93.8 75.0 112.6
 145 30.6 24.5 36.7



#70
 Naphthalene
 Concen: 5.186 ug/L
 RT: 13.53 min Scan# 3868
 Delta R.T. 0.00 min
 Lab File: VV017474.D
 Acq: 14 Jul 2020 10:18

Tgt Ion:128 Resp: 115322
 Ion Ratio Lower Upper
 128 100
 129 10.6 8.5 12.7
 127 13.2 10.6 15.8





#71
 1,2,3-Trichlorobenzene
 Concen: 5.603 ug/L
 RT: 13.77 min Scan# 3943
 Delta R.T. 0.00 min
 Lab File: VV017474.D
 Acq: 14 Jul 2020 10:18

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00531

Tot Ion:	180	Resp:	73309
Ion	Ratio	Lower	Upper
180	100		
182	92.5	74.0	111.0
145	32.5	26.0	39.0

