

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV111220\
 Data File : VV019347.D
 Acq On : 12 Nov 2020 12:10
 Operator : SY/MD
 Sample : VSTD05065
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05065

Quant Time: Nov 12 12:37:50 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM111220WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Nov 12 12:30:02 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	200583	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	197311	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	122397	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	75869	48.14	ug/L	0.00
7) Chloroethane-d5	1.58	69	61830	49.76	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.13	63	155886	51.09	ug/L	0.00
21) 2-Butanone-d5	3.92	46	83243	88.77	ug/L	0.00
24) Chloroform-d	4.38	84	149488	50.44	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.06	65	102857	49.86	ug/L	0.00
32) Benzene-d6	5.07	84	262807	47.64	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.09	67	73221	44.95	ug/L	0.00
41) Toluene-d8	7.34	98	257943	48.49	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.64	79	46885	49.26	ug/L	0.00
47) 2-Hexanone-d5	8.11	63	61258	88.89	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.23	84	102437	46.48	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.65	152	118288	46.80	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	86053	49.117	ug/L 100
3) Chloromethane	1.25	50	78717	48.946	ug/L 100
5) Vinyl chloride	1.32	62	82777	50.215	ug/L 100
6) Bromomethane	1.53	94	60181	53.470	ug/L 100
8) Chloroethane	1.60	64	53109	51.405	ug/L 100
9) Trichlorofluoromethane	1.77	101	150482	53.874	ug/L 100
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	68642	51.560	ug/L 100
12) 1,1-Dichloroethene	2.14	96	69540	52.976	ug/L 100
13) Acetone	2.20	43	69467	79.319	ug/L 100
14) Carbon disulfide	2.31	76	192880	47.450	ug/L 100
15) Methyl Acetate	2.45	43	60312	42.624	ug/L 100
16) Methylene chloride	2.52	84	71068	48.519	ug/L 100
17) trans-1,2-Dichloroethene	2.78	96	67864	49.052	ug/L 100
18) Methyl tert-butyl Ether	2.78	73	223220	48.302	ug/L 100
19) 1,1-Dichloroethane	3.21	63	118540	46.617	ug/L 100
20) cis-1,2-Dichloroethene	3.94	96	72388	47.867	ug/L 100
22) 2-Butanone	4.00	43	84688	89.320	ug/L 100
23) Bromochloromethane	4.28	128	42152	51.011	ug/L 100
25) Chloroform	4.41	83	138505	49.555	ug/L 100
27) 1,2-Dichloroethane	5.16	62	120695	50.481	ug/L 100
29) Cyclohexane	4.70	56	89245	42.127	ug/L 100
30) 1,1,1-Trichloroethane	4.63	97	134498	50.099	ug/L 100
31) Carbon tetrachloride	4.86	117	122035	51.029	ug/L 100
33) Benzene	5.13	78	267135	47.394	ug/L 100
34) Trichloroethene	5.94	95	76785	49.114	ug/L 100
35) Methylcyclohexane	6.15	83	96592	46.907	ug/L 100
37) 1,2-Dichloropropane	6.20	63	63529	45.716	ug/L 100
38) Bromodichloromethane	6.53	83	104086	49.380	ug/L 100
39) cis-1,3-Dichloropropene	7.05	75	114663	49.422	ug/L 100
40) 4-Methyl-2-pentanone	7.24	43	166082	88.258	ug/L 100

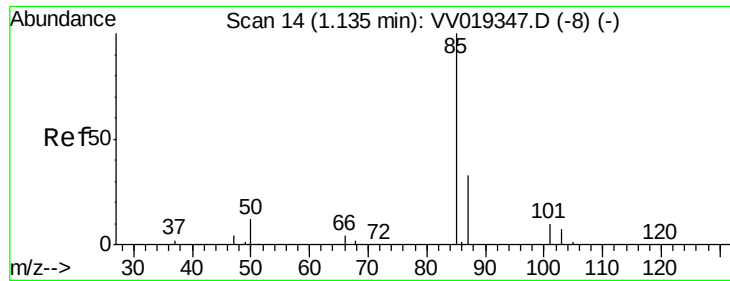
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 Quant Title : VOC Analysis
 QLast Update : Thu Nov 12 12:30:02 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.41	91	298752	48.326	ug/L	100
44) trans-1,3-Dichloropropene	7.67	75	121447	50.040	ug/L	100
45) 1,1,2-Trichloroethane	7.86	97	70960	49.881	ug/L	100
46) Tetrachloroethene	8.00	164	68428	50.949	ug/L	100
48) 2-Hexanone	8.16	43	132795	88.307	ug/L	100
49) Dibromochloromethane	8.27	129	89587	51.494	ug/L	100
50) 1,2-Dibromoethane	8.37	107	77586	51.014	ug/L	100
51) Chlorobenzene	8.90	112	200752	49.103	ug/L	100
52) Ethylbenzene	9.03	91	333931	48.795	ug/L	100
53) m,p-Xylene	9.16	106	127938	49.528	ug/L	100
54) o-xylene	9.56	106	126462	50.727	ug/L	100
55) Styrene	9.58	104	225182	51.061	ug/L	100
56) Isopropylbenzene	9.95	105	336699	50.410	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.26	83	97099	45.716	ug/L	100
59) 1,2,3-Trichloropropane	10.29	75	87917	47.798	ug/L	100
61) Bromoform	9.75	173	73363	48.577	ug/L	100
62) 1,3-Dichlorobenzene	11.20	146	180464	47.237	ug/L	100
63) 1,4-Dichlorobenzene	11.29	146	183442	46.311	ug/L	100
65) 1,2-Dichlorobenzene	11.66	146	182098	47.913	ug/L	100
66) 1,2-Dibromo-3-chloropropan	12.45	75	27069	42.516	ug/L	100
67) 1,3,5-Trichlorobenzene	12.67	180	136658	48.396	ug/L	100
68) 1,2,4-trichlorobenzene	13.28	180	125968	47.881	ug/L	100
69) Naphthalene	13.52	128	310383	43.572	ug/L	100
70) 1,2,3-Trichlorobenzene	13.76	180	128877	49.727	ug/L	100

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



#2

Dichlorodifluoromethane

Concen: 49.117 ug/L

RT: 1.14 min Scan# 14

Delta R.T. 0.00 min

Lab File: VV019347.D

Acq: 12 Nov 2020 12:10

Instrument :

MSVOA_V

ClientSampleId :

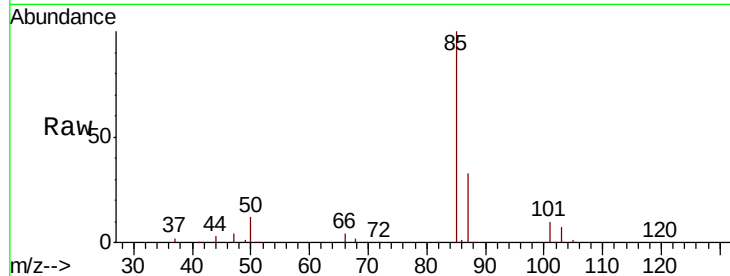
VSTD05065

Tot Ion: 85 Resp: 86053

Ion Ratio Lower Upper

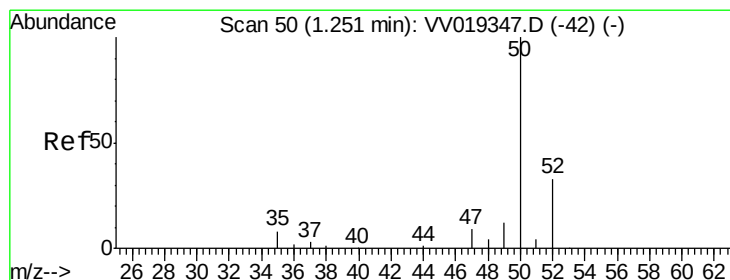
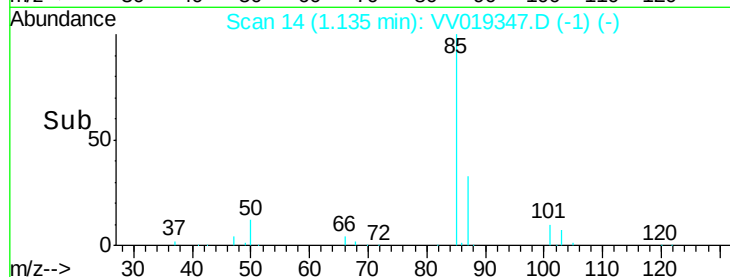
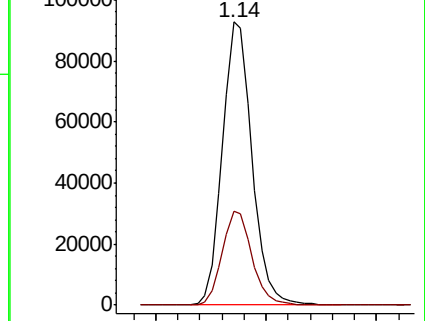
85 100

87 33.3 26.6 40.0



Abundance Ion 85.00 (84.70 to 85.70): VV0

Ion 87.00 (86.70 to 87.70): VV0



#3

Chloromethane

Concen: 48.946 ug/L

RT: 1.25 min Scan# 50

Delta R.T. 0.00 min

Lab File: VV019347.D

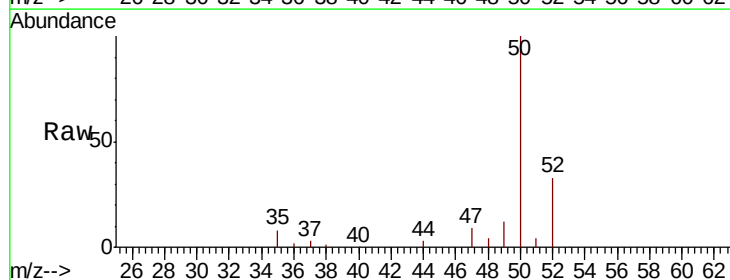
Acq: 12 Nov 2020 12:10

Tgt Ion: 50 Resp: 78717

Ion Ratio Lower Upper

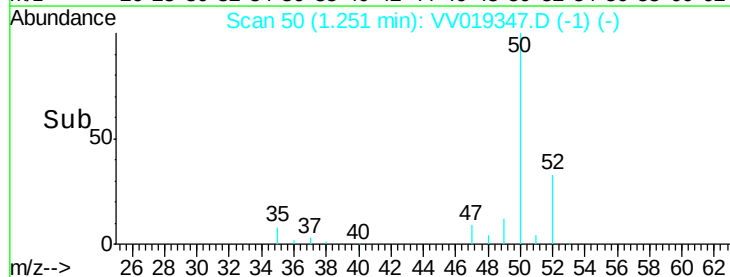
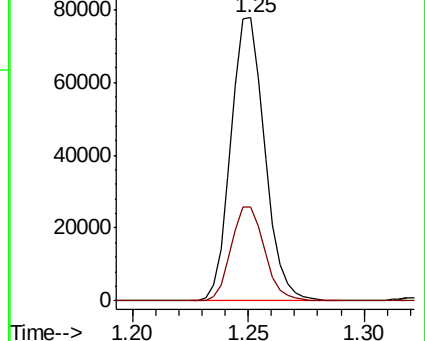
50 100

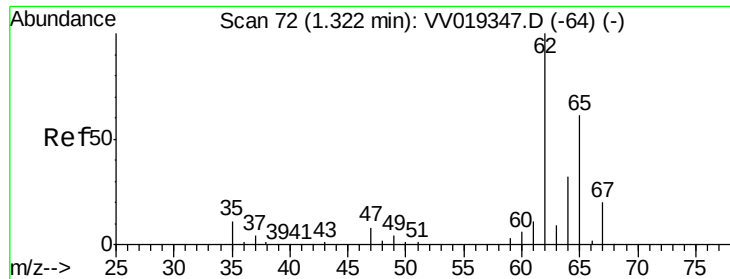
52 33.3 23.3 43.3



Abundance Ion 50.00 (49.70 to 50.70): VV0

Ion 52.00 (51.70 to 52.70): VV0





#5

Vinyl chloride

Concen: 50.215 ug/L

RT: 1.32 min Scan# 72

Delta R.T. 0.00 min

Lab File: VV019347.D

Acq: 12 Nov 2020 12:10

Instrument :

MSVOA_V

ClientSampleId :

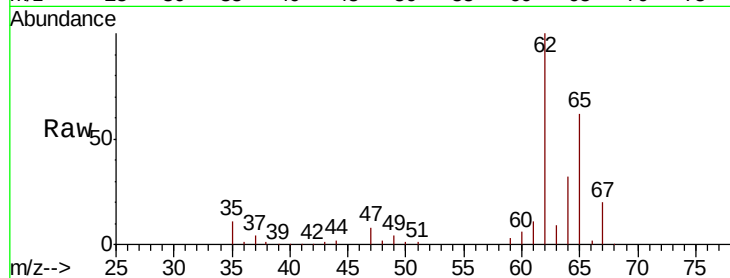
VSTD05065

Tot Ion: 62 Resp: 82777

Ion Ratio Lower Upper

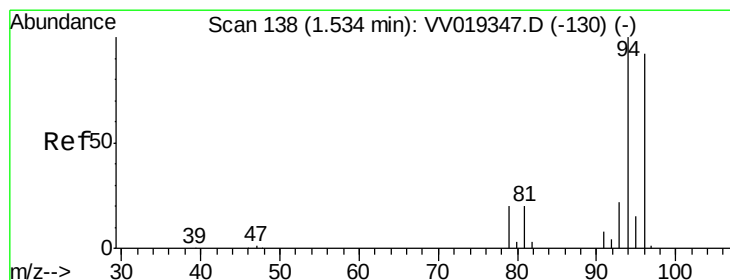
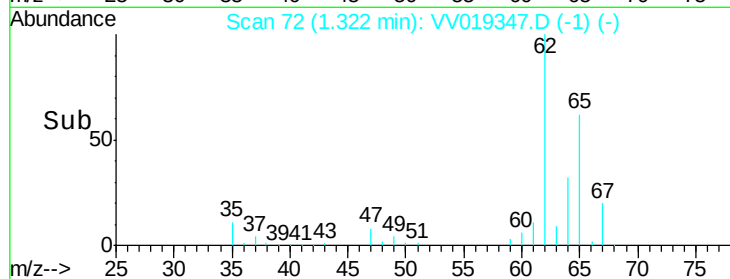
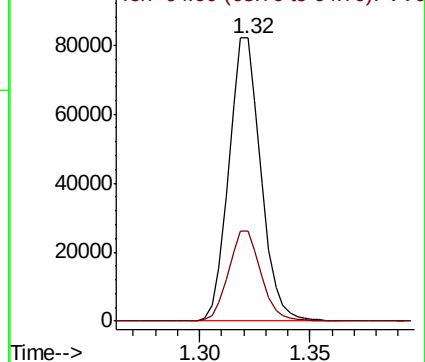
62 100

64 31.9 22.3 41.5



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.00 (63.70 to 64.70): VV0



#6

Bromomethane

Concen: 53.470 ug/L

RT: 1.53 min Scan# 138

Delta R.T. 0.00 min

Lab File: VV019347.D

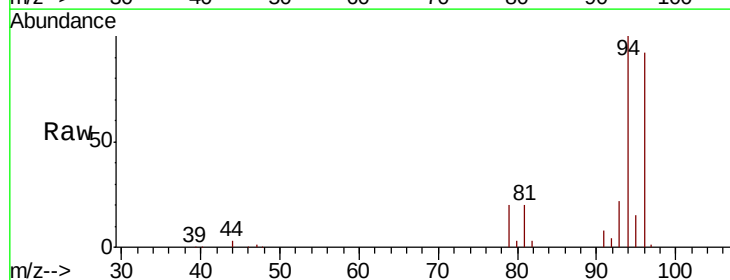
Acq: 12 Nov 2020 12:10

Tgt Ion: 94 Resp: 60181

Ion Ratio Lower Upper

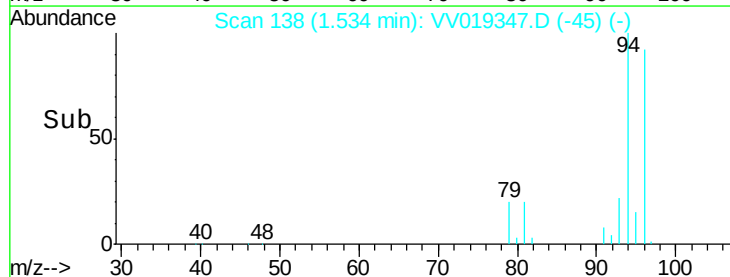
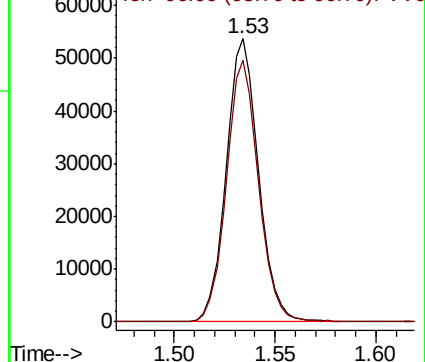
94 100

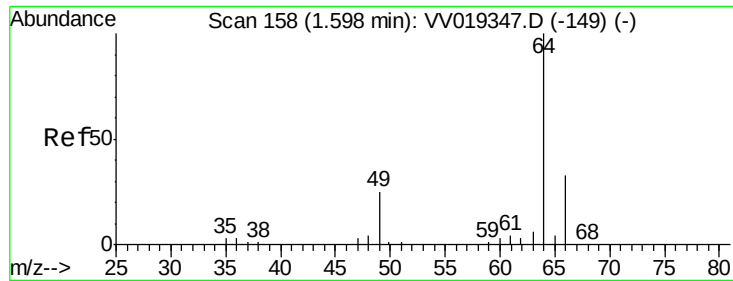
96 92.4 64.7 120.1



Abundance Ion 94.00 (93.70 to 94.70): VV0

Ion 96.00 (95.70 to 96.70): VV0

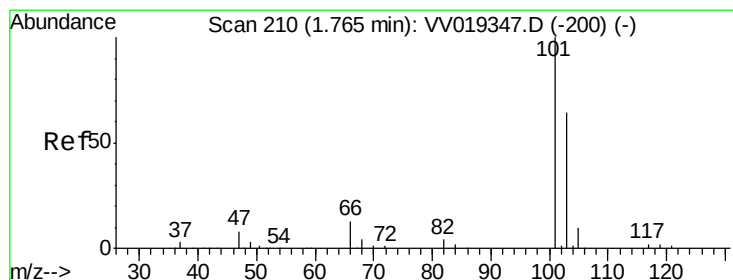
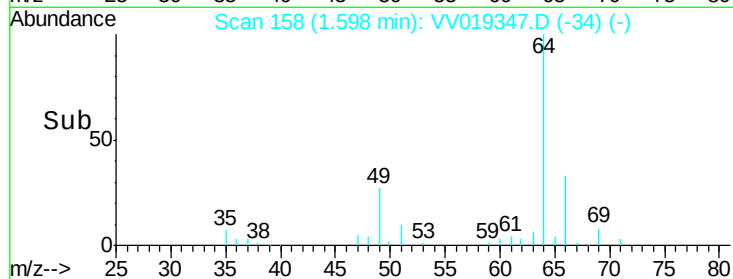
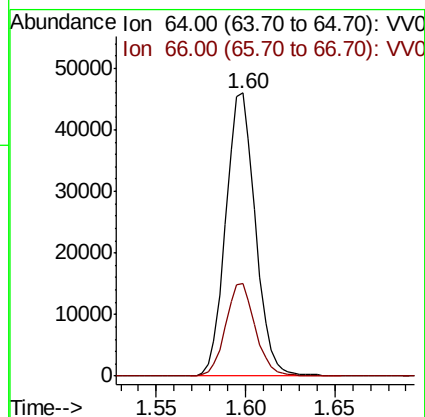
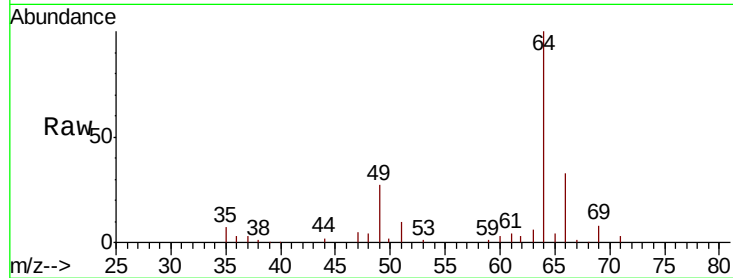




#8
Chloroethane
Concen: 51.405 ug/L
RT: 1.60 min Scan# 158
Delta R.T. 0.00 min
Lab File: VV019347.D
Acq: 12 Nov 2020 12:10

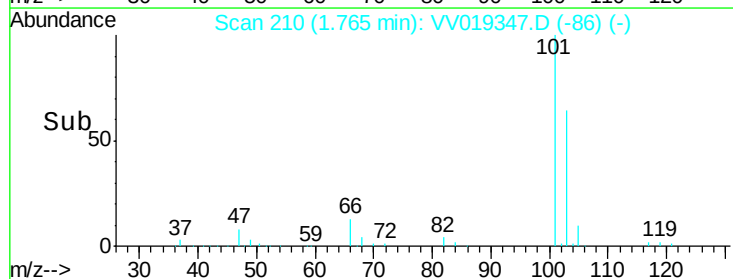
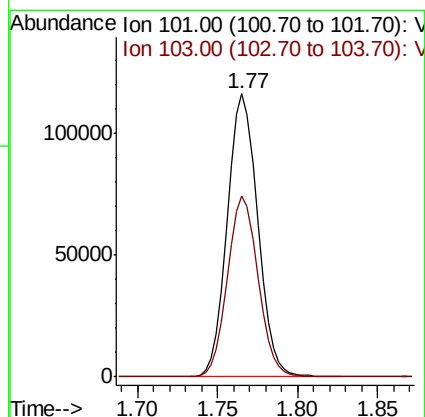
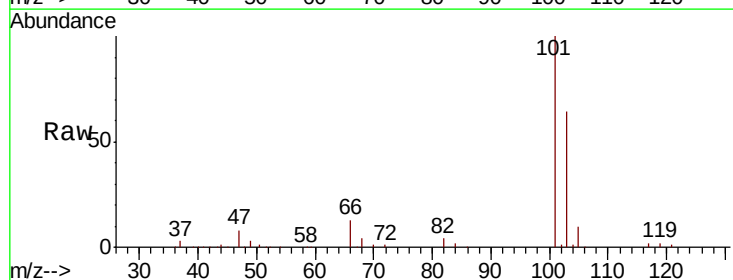
Instrument :
MSVOA_V
ClientSampleId :
VSTD05065

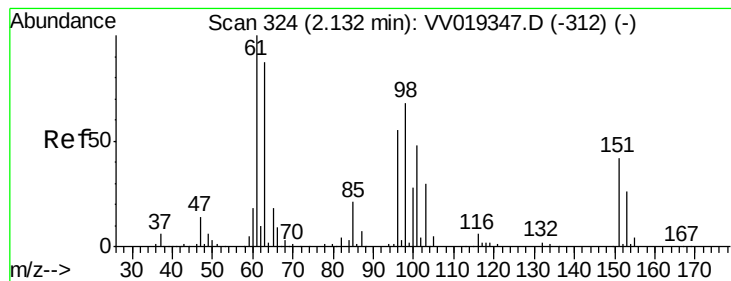
Tot Ion: 64 Resp: 53109
Ion Ratio Lower Upper
64 100
66 32.7 22.9 42.5



#9
Trichlorofluoromethane
Concen: 53.874 ug/L
RT: 1.77 min Scan# 210
Delta R.T. 0.00 min
Lab File: VV019347.D
Acq: 12 Nov 2020 12:10

Tgt Ion: 101 Resp: 150482
Ion Ratio Lower Upper
101 100
103 64.3 51.4 77.2





#10

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

Concen: 51.560 ug/L

RT: 2.13 min Scan# 324

Delta R.T. 0.00 min

Lab File: VV019347.D

Acq: 12 Nov 2020 12:10

Instrument :

MSVOA_V

ClientSampled :

VSTD05065

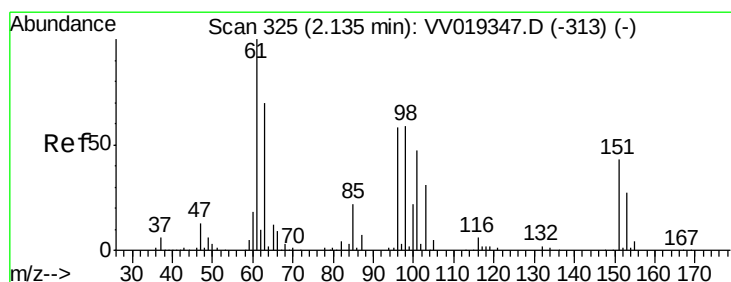
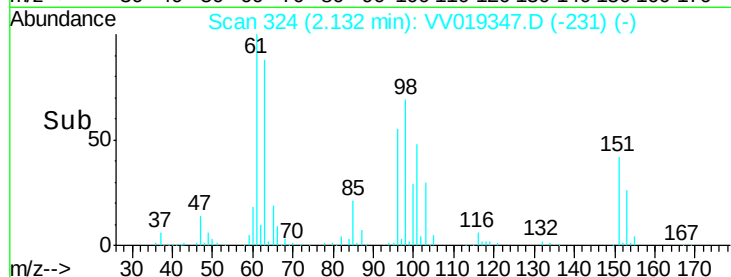
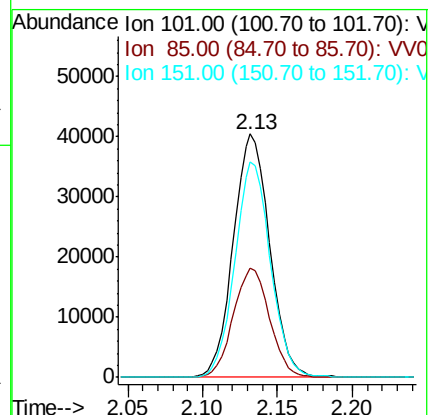
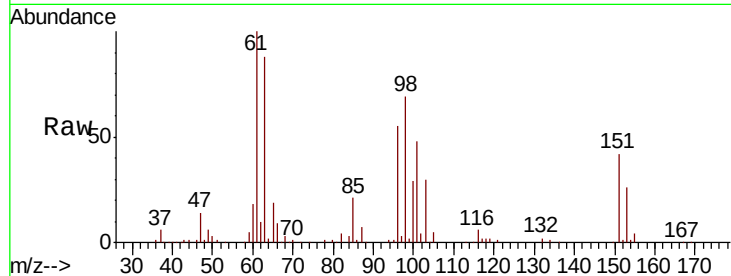
Tot Ion:101 Resp: 68642

Ion Ratio Lower Upper

101 100

85 44.7 35.8 53.6

151 86.5 69.2 103.8



#12

1,1-Dichloroethene

Concen: 52.976 ug/L

RT: 2.14 min Scan# 325

Delta R.T. 0.00 min

Lab File: VV019347.D

Acq: 12 Nov 2020 12:10

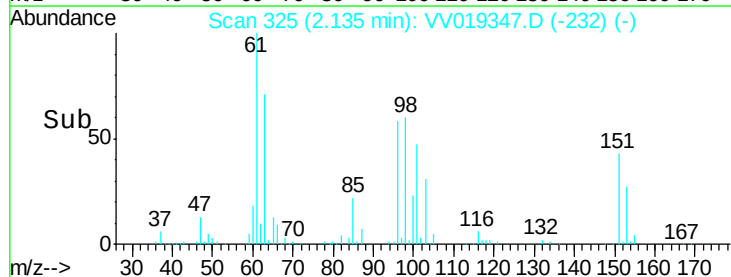
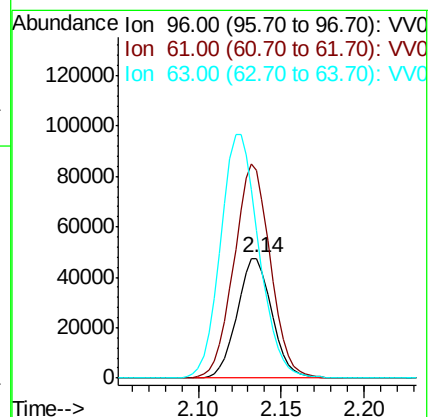
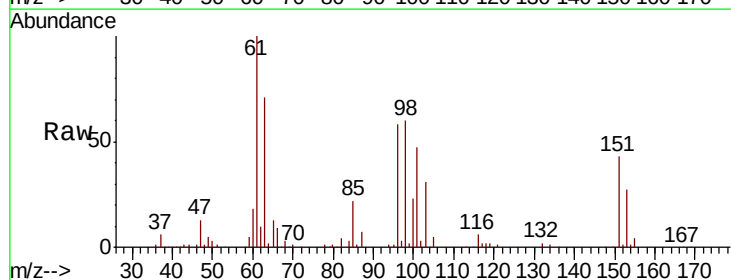
Tgt Ion: 96 Resp: 69540

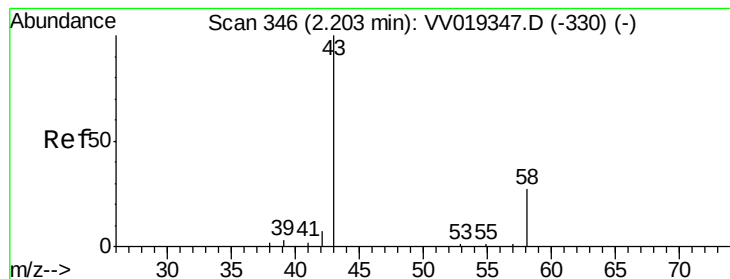
Ion Ratio Lower Upper

96 100

61 172.9 121.0 224.8

63 123.1 86.2 160.0





#13

Acetone

Concen: 79.319 ug/L

RT: 2.20 min Scan# 346

Delta R.T. 0.00 min

Lab File: VV019347.D

Acq: 12 Nov 2020 12:10

Instrument :

MSVOA_V

ClientSampleId :

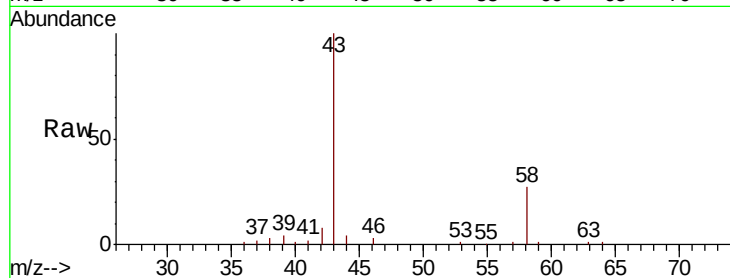
VSTD05065

Tot Ion: 43 Resp: 69467

Ion Ratio Lower Upper

43 100

58 27.9 0.0 55.8



Abundance Ion 43.00 (42.70 to 43.70): VV0

Ion 58.00 (57.70 to 58.70): VV0

25000

20000

15000

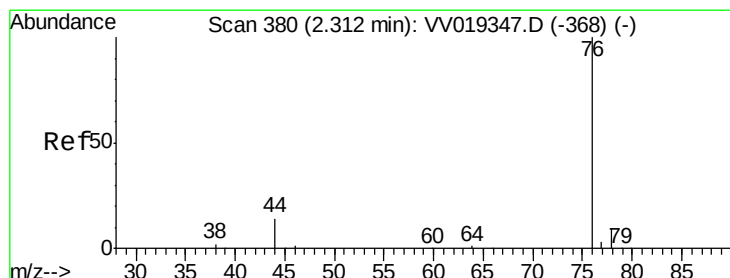
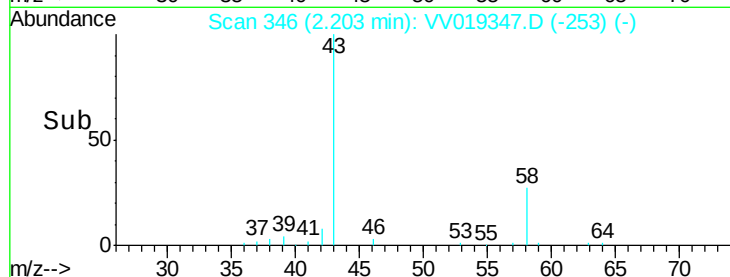
10000

5000

0

Time-->

2.10 2.20 2.30



#14

Carbon disulfide

Concen: 47.450 ug/L

RT: 2.31 min Scan# 380

Delta R.T. 0.00 min

Lab File: VV019347.D

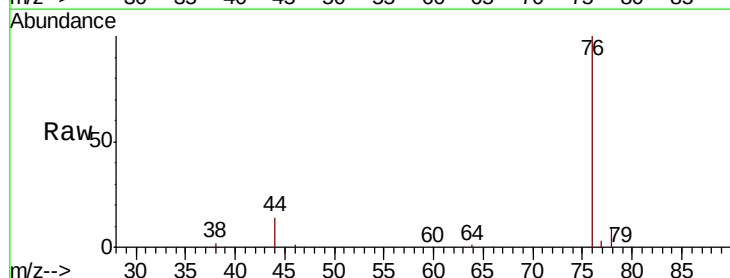
Acq: 12 Nov 2020 12:10

Tgt Ion: 76 Resp: 192880

Ion Ratio Lower Upper

76 100

78 9.2 7.4 11.0



Abundance Ion 76.00 (75.70 to 76.70): VV0

Ion 78.00 (77.70 to 78.70): VV0

150000

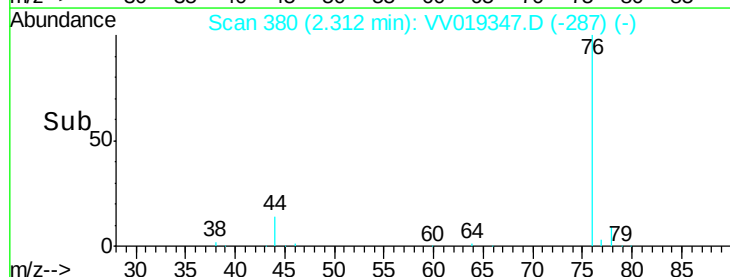
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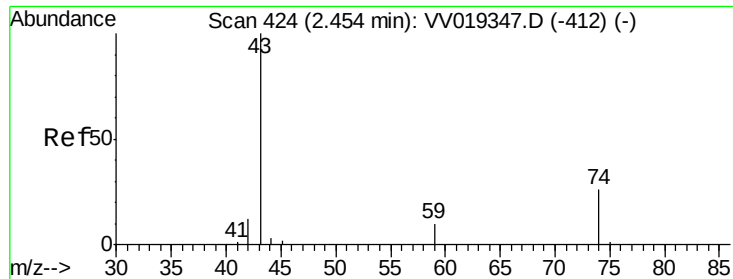
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Time-->

2.25 2.30 2.35 2.40

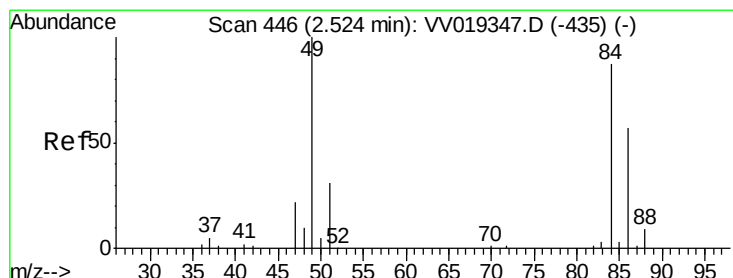
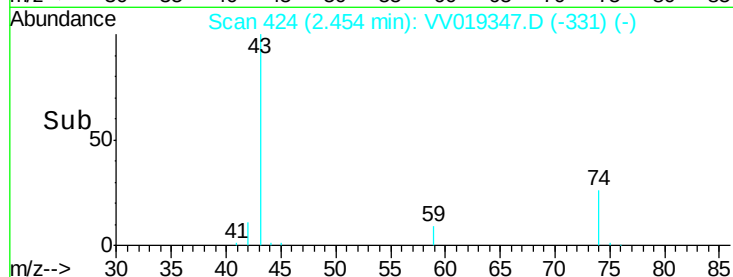
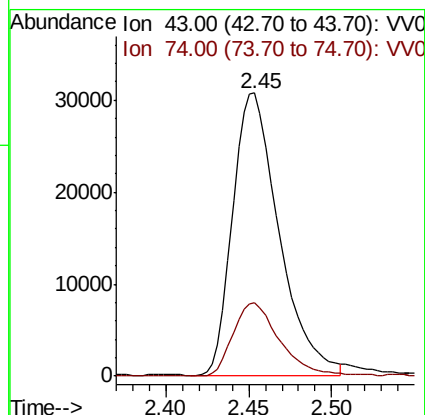
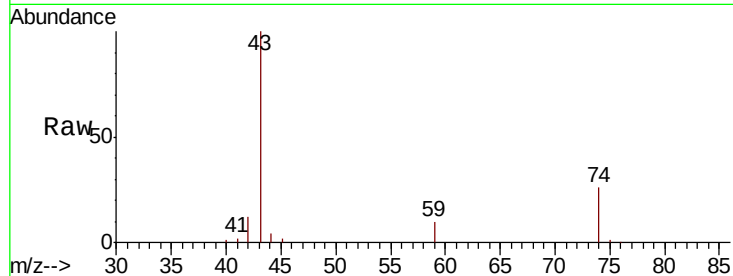




#15
Methvl Acetate
Concen: 42.624 ug/L
RT: 2.45 min Scan# 424
Delta R.T. 0.00 min
Lab File: VV019347.D
Acq: 12 Nov 2020 12:10

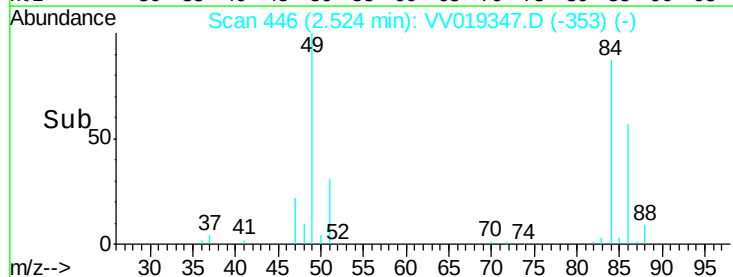
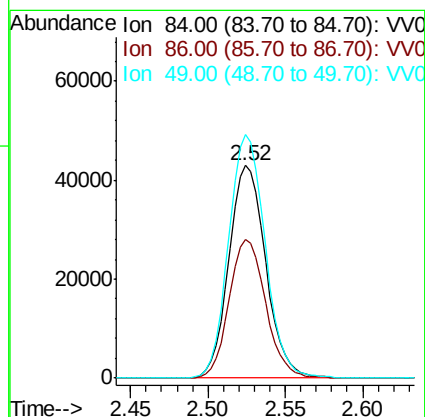
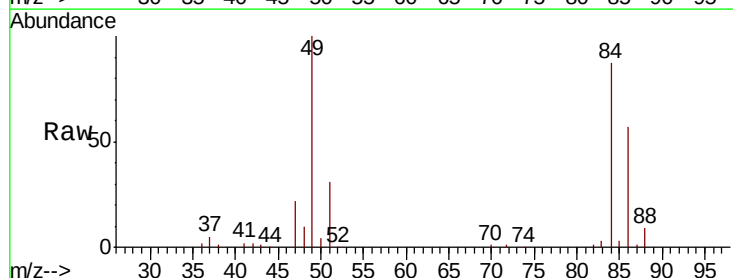
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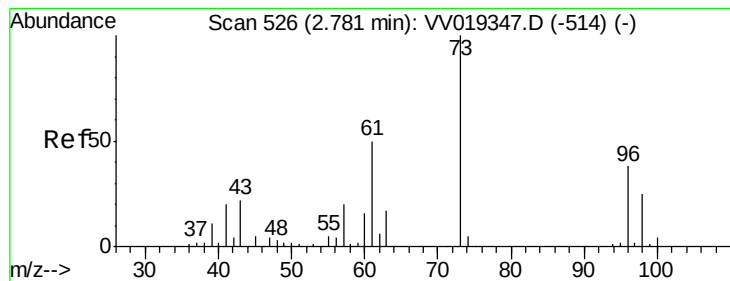
Tot Ion: 43 Resp: 60312
Ion Ratio Lower Upper
43 100
74 25.9 20.7 31.1



#16
Methylene chloride
Concen: 48.519 ug/L
RT: 2.52 min Scan# 446
Delta R.T. 0.00 min
Lab File: VV019347.D
Acq: 12 Nov 2020 12:10

Tgt Ion: 84 Resp: 71068
Ion Ratio Lower Upper
84 100
86 65.2 45.6 84.8
49 114.6 80.2 149.0





#17

trans-1,2-Dichloroethene

Concen: 49.052 ug/L

RT: 2.78 min Scan# 526

Delta R.T. 0.00 min

Lab File: VV019347.D

Acq: 12 Nov 2020 12:10

Instrument :

MSVOA_V

ClientSampleId :

VSTD05065

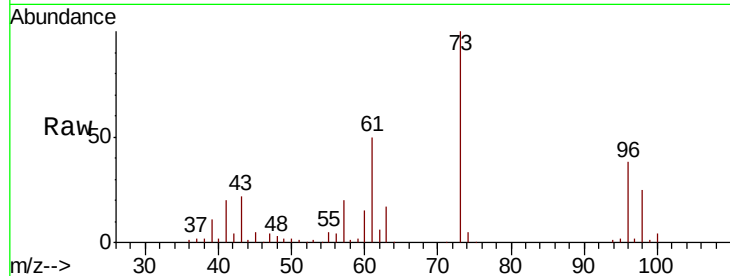
Tot Ion: 96 Resp: 67864

Ion Ratio Lower Upper

96 100

61 131.2 91.8 170.6

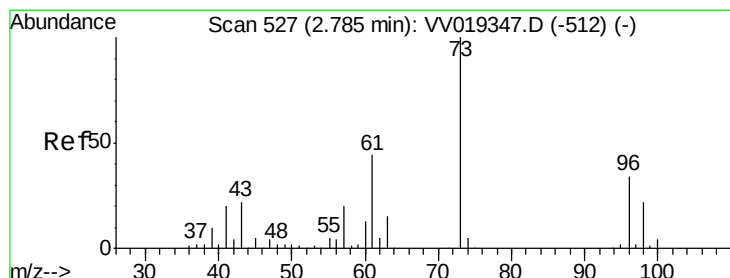
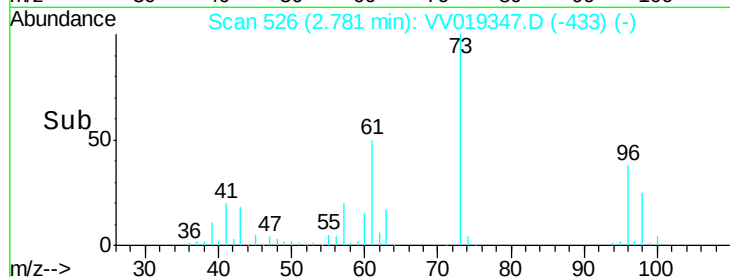
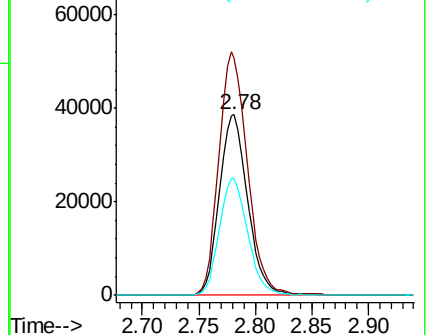
98 64.4 45.1 83.7



Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.00 (60.70 to 61.70): VV0

Ion 98.00 (97.70 to 98.70): VV0



#18

Methyl tert-butyl Ether

Concen: 48.302 ug/L

RT: 2.78 min Scan# 527

Delta R.T. 0.00 min

Lab File: VV019347.D

Acq: 12 Nov 2020 12:10

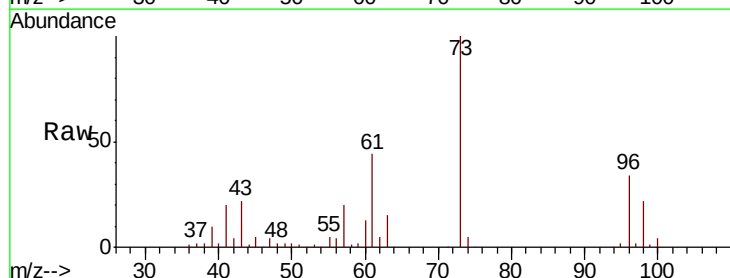
Tgt Ion: 73 Resp: 223220

Ion Ratio Lower Upper

73 100

43 21.5 17.2 25.8

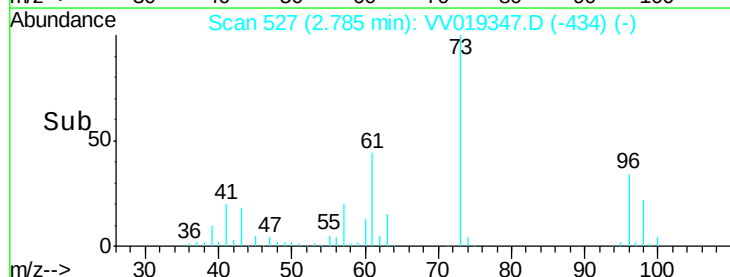
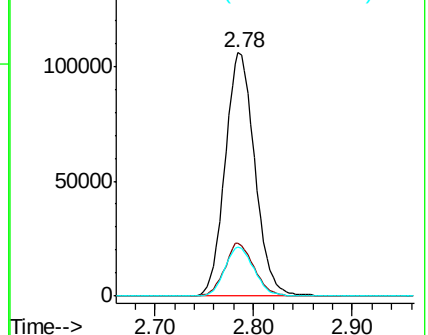
57 19.9 15.9 23.9

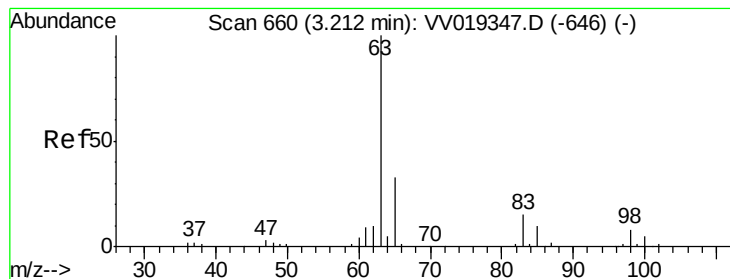


Abundance Ion 73.00 (72.70 to 73.70): VV0

Ion 43.00 (42.70 to 43.70): VV0

Ion 57.00 (56.70 to 57.70): VV0





#19

1,1-Dichloroethane

Concen: 46.617 ug/L

RT: 3.21 min Scan# 660

Delta R.T. 0.00 min

Lab File: VV019347.D

Acq: 12 Nov 2020 12:10

Instrument :

MSVOA_V

ClientSampleId :

VSTD05065

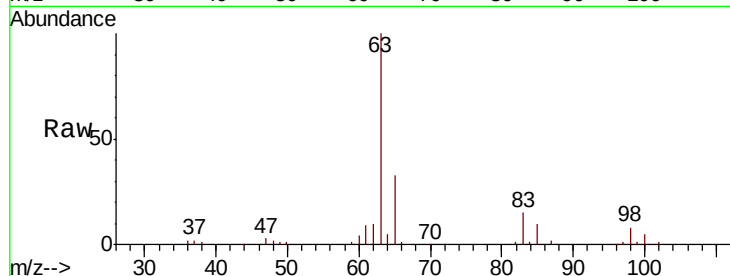
Tot Ion: 63 Resp: 118540

Ion Ratio Lower Upper

63 100

65 32.9 23.0 42.8

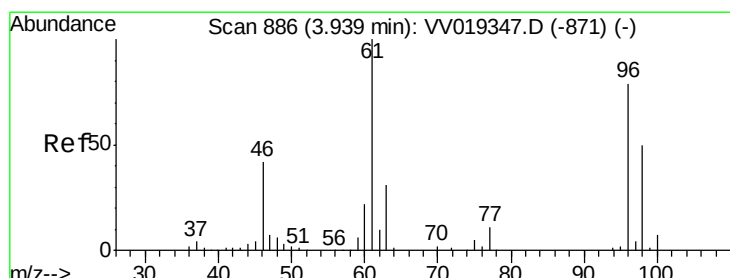
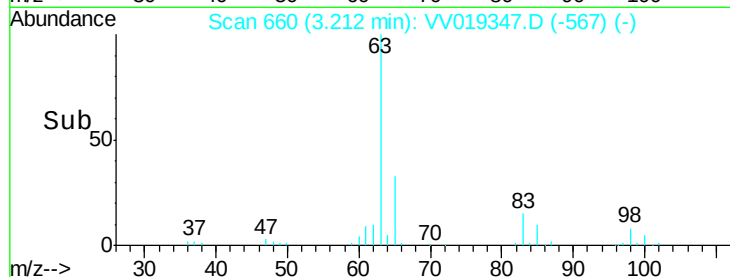
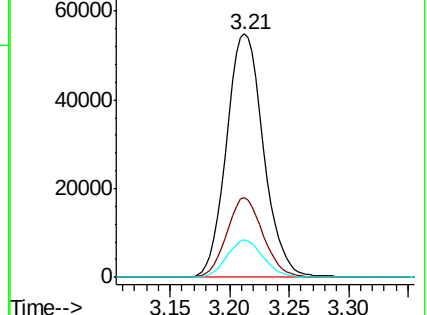
83 15.3 10.7 19.9



Abundance Ion 63.00 (62.70 to 63.70): VV0

Ion 65.00 (64.70 to 65.70): VV0

Ion 83.00 (82.70 to 83.70): VV0



#20

cis-1,2-Dichloroethene

Concen: 47.867 ug/L

RT: 3.94 min Scan# 886

Delta R.T. 0.00 min

Lab File: VV019347.D

Acq: 12 Nov 2020 12:10

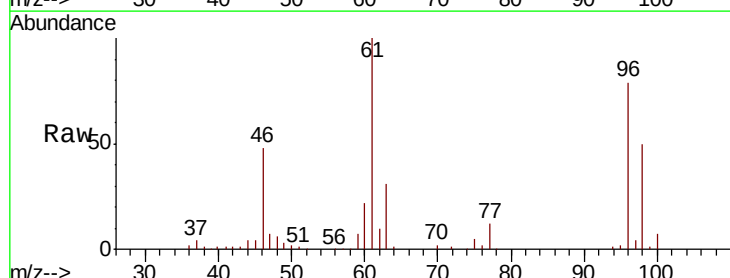
Tgt Ion: 96 Resp: 72388

Ion Ratio Lower Upper

96 100

61 126.0 88.2 163.8

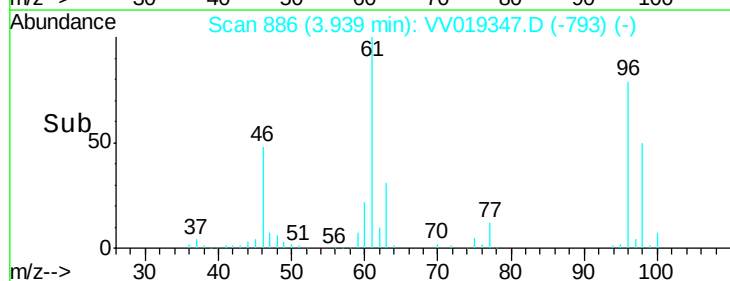
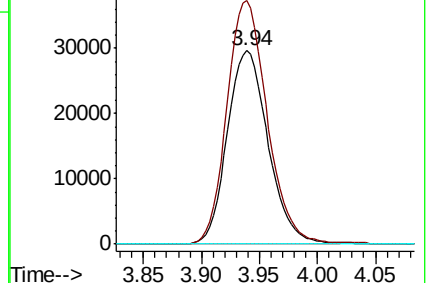
68 0.0 0.0 0.0

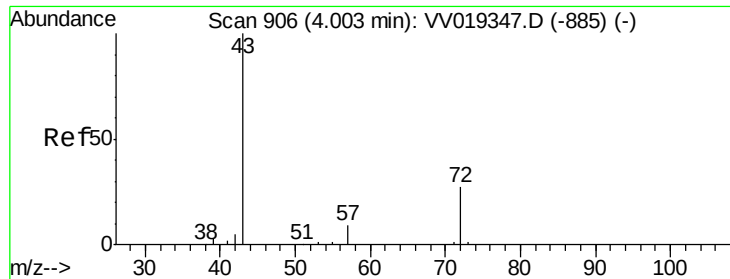


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.00 (60.70 to 61.70): VV0

Ion 68.00 (67.70 to 68.70): VV0





#22

2-Butanone

Concen: 89.320 ug/L

RT: 4.00 min Scan# 906

Delta R.T. 0.00 min

Lab File: VV019347.D

Acq: 12 Nov 2020 12:10

Instrument :

MSVOA_V

ClientSampleId :

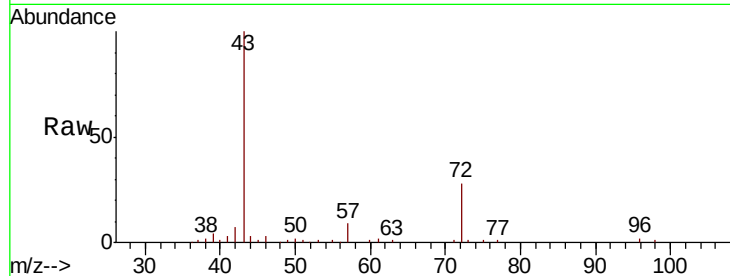
VSTD05065

Tot Ion: 43 Resp: 84688

Ion Ratio Lower Upper

43 100

72 26.2 13.1 39.3



Abundance Ion 43.00 (42.70 to 43.70): VV019347.D (-885) (-)

Ion 72.00 (71.70 to 72.70): VV019347.D (-885) (-)

4.00

25000

20000

15000

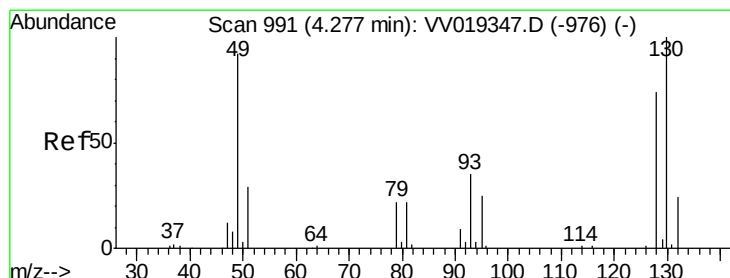
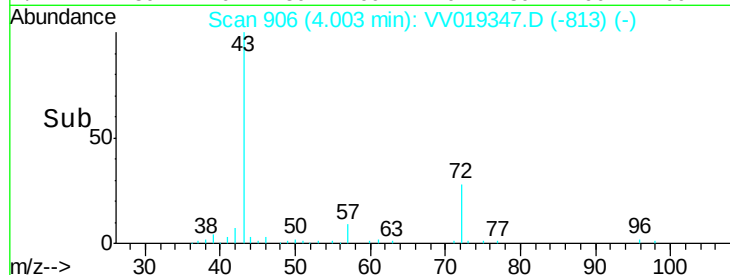
10000

5000

0

3.90 4.00 4.10 4.20

Time-->



#23

Bromochloromethane

Concen: 51.011 ug/L

RT: 4.28 min Scan# 991

Delta R.T. 0.00 min

Lab File: VV019347.D

Acq: 12 Nov 2020 12:10

Tgt Ion: 128 Resp: 42152

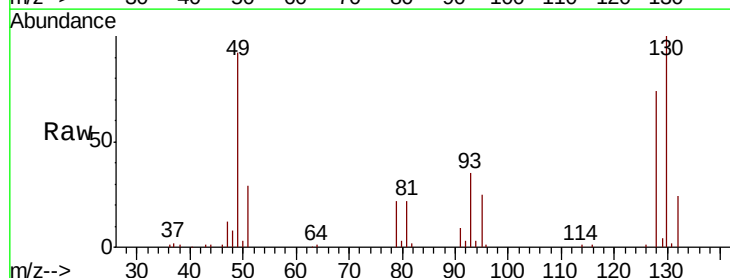
Ion Ratio Lower Upper

128 100

49 123.1 86.2 160.0

130 134.3 94.0 174.6

51 38.3 30.6 46.0



Abundance Ion 128.00 (127.70 to 128.70): VV019347.D (-976) (-)

Ion 49.00 (48.70 to 49.70): VV019347.D (-976) (-)

Ion 130.00 (129.70 to 130.70): VV019347.D (-976) (-)

Ion 51.00 (50.70 to 51.70): VV019347.D (-976) (-)

4.28

30000

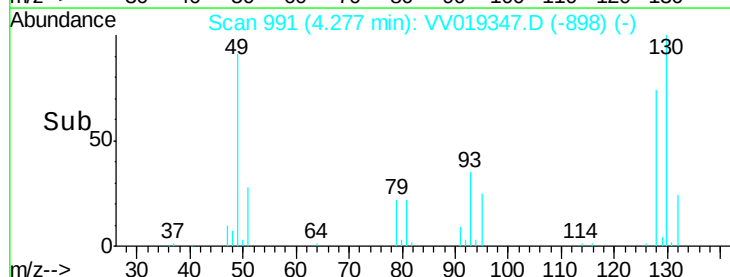
20000

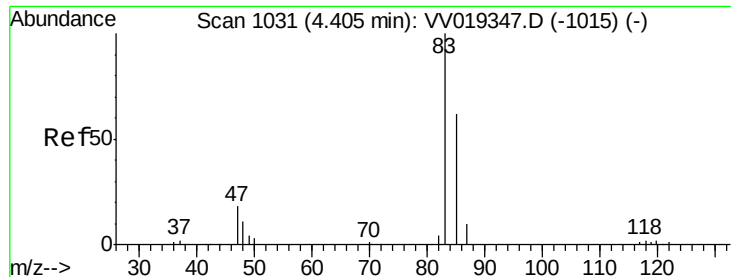
10000

0

4.20 4.25 4.30 4.35

Time-->

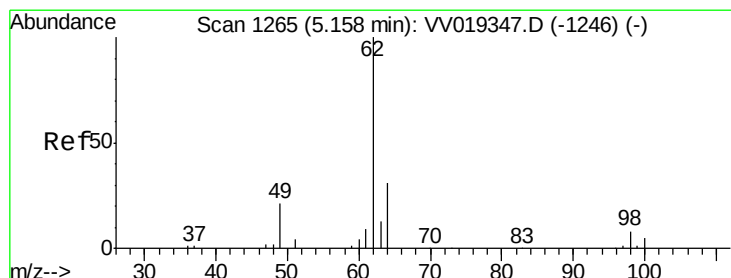
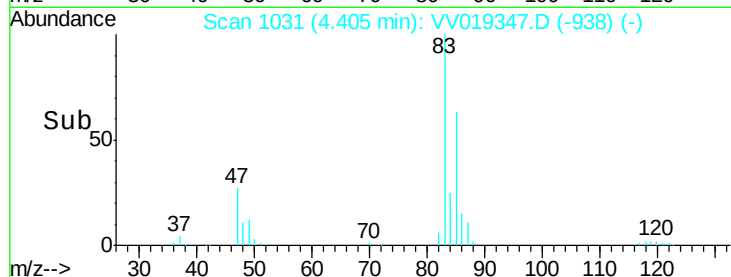
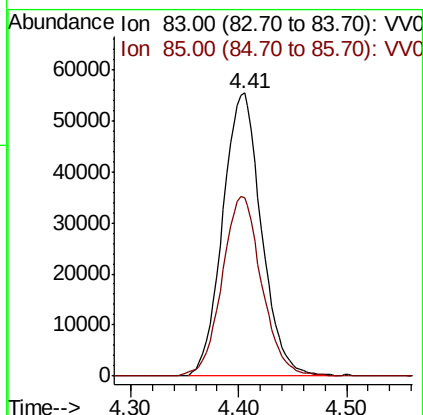
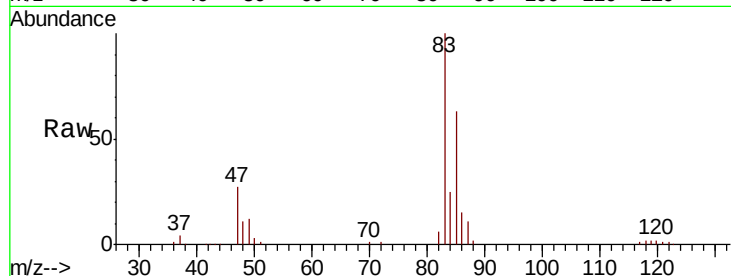




#25
Chloroform
Concen: 49.555 ug/L
RT: 4.41 min Scan# 1031
Delta R.T. 0.00 min
Lab File: VV019347.D
Acq: 12 Nov 2020 12:10

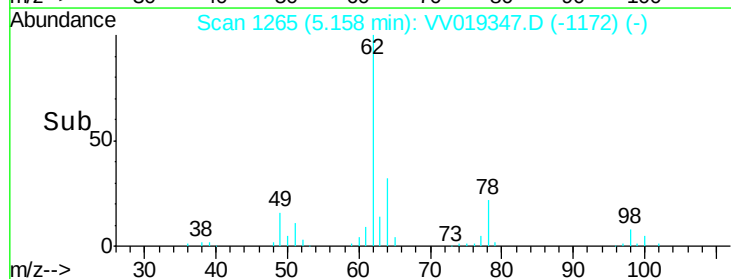
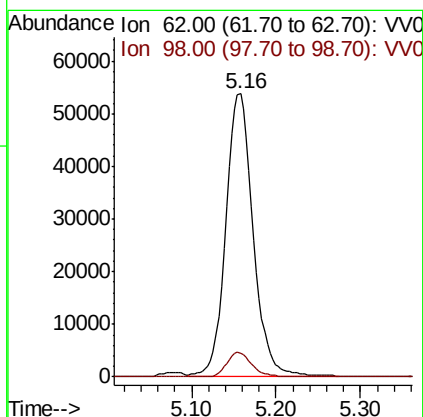
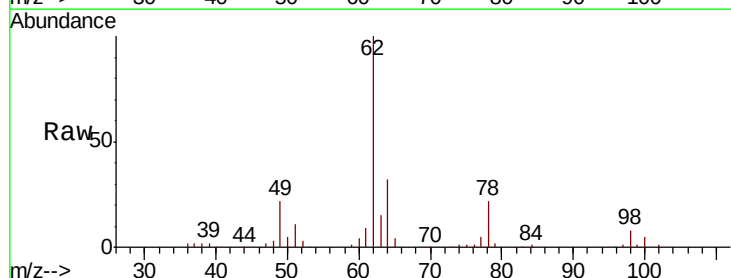
Instrument :
MSVOA_V
ClientSampleId :
VSTD05065

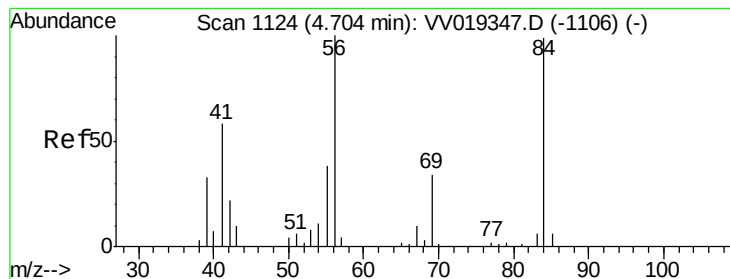
Tot Ion: 83 Resp: 138505
Ion Ratio Lower Upper
83 100
85 62.9 44.0 81.8



#27
1,2-Dichloroethane
Concen: 50.481 ug/L
RT: 5.16 min Scan# 1265
Delta R.T. 0.00 min
Lab File: VV019347.D
Acq: 12 Nov 2020 12:10

Tgt Ion: 62 Resp: 120695
Ion Ratio Lower Upper
62 100
98 8.4 6.7 10.1





#29

Cyclohexane

Concen: 42.127 ug/L

RT: 4.70 min Scan# 1124

Delta R.T. 0.00 min

Lab File: VV019347.D

Acq: 12 Nov 2020 12:10

Instrument :

MSVOA_V

ClientSampleId :

VSTD05065

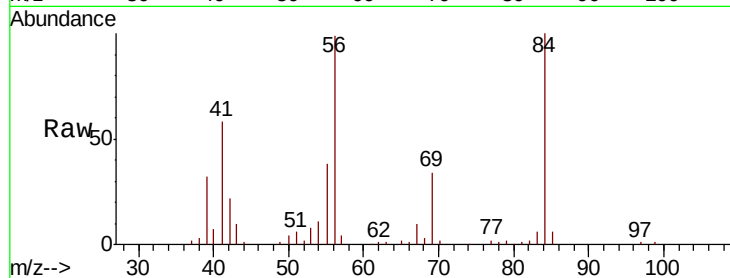
Tot Ion: 56 Resp: 89245

Ion Ratio Lower Upper

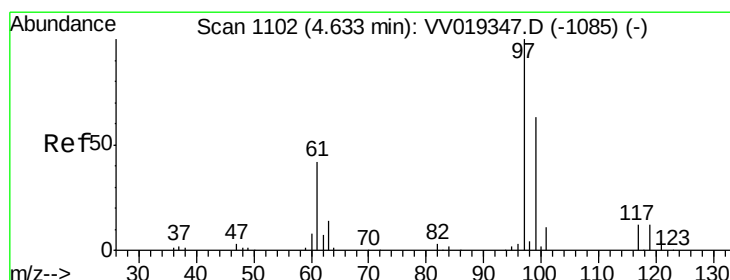
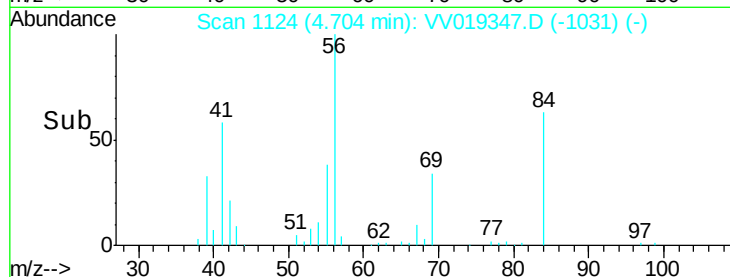
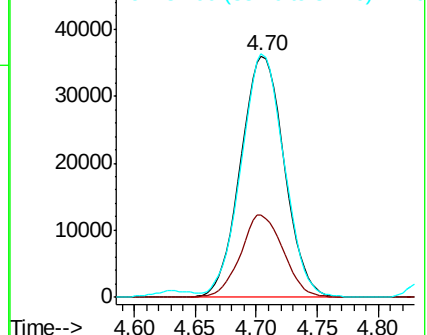
56 100

69 33.4 26.7 40.1

84 99.4 79.5 119.3



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



#30

1,1,1-Trichloroethane

Concen: 50.099 ug/L

RT: 4.63 min Scan# 1102

Delta R.T. 0.00 min

Lab File: VV019347.D

Acq: 12 Nov 2020 12:10

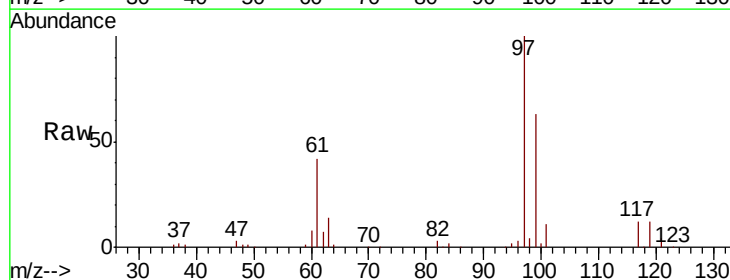
Tgt Ion: 97 Resp: 134498

Ion Ratio Lower Upper

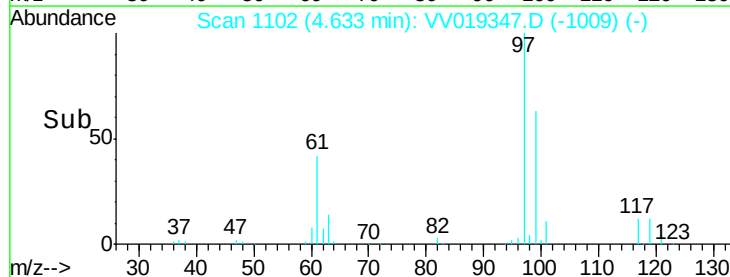
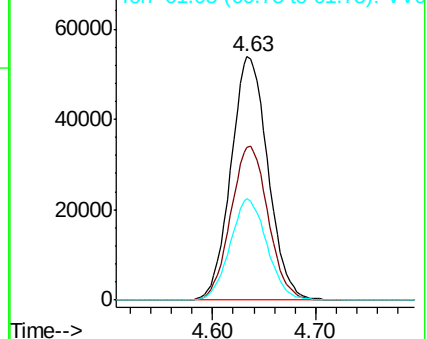
97 100

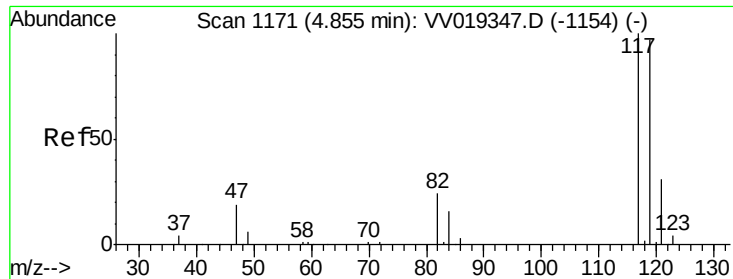
99 63.8 51.0 76.6

61 41.5 33.2 49.8



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





#31

Carbon tetrachloride

Concen: 51.029 ug/L

RT: 4.86 min Scan# 1171

Delta R.T. 0.00 min

Lab File: VV019347.D

Acq: 12 Nov 2020 12:10

Instrument :

MSVOA_V

ClientSampleId :

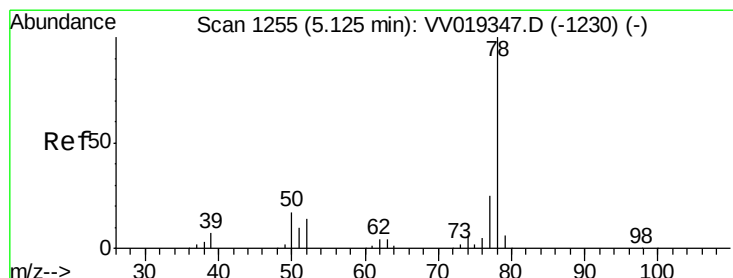
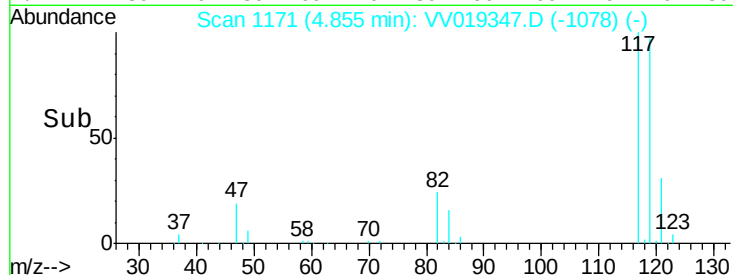
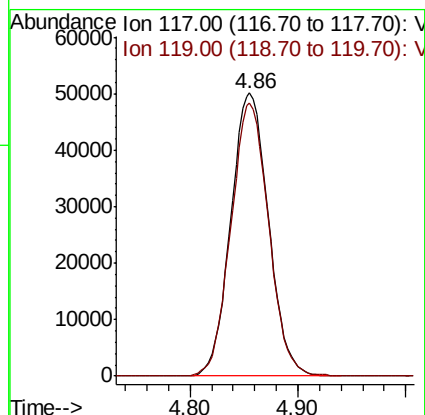
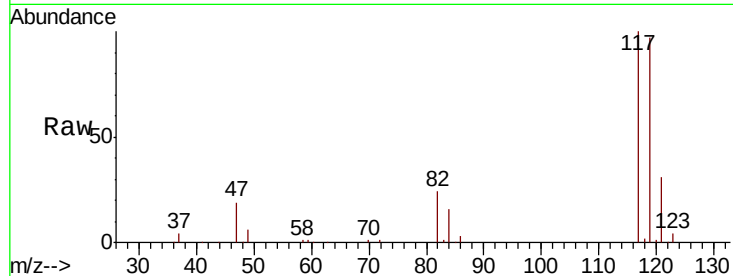
VSTD05065

Tot Ion:117 Resp: 122035

Ion Ratio Lower Upper

117 100

119 96.2 77.0 115.4



#33

Benzene

Concen: 47.394 ug/L

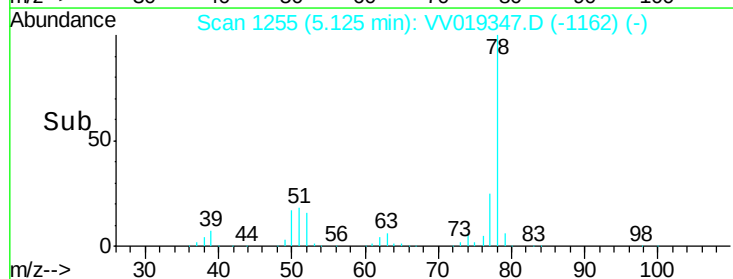
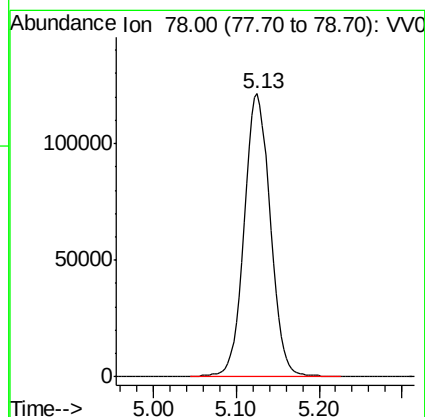
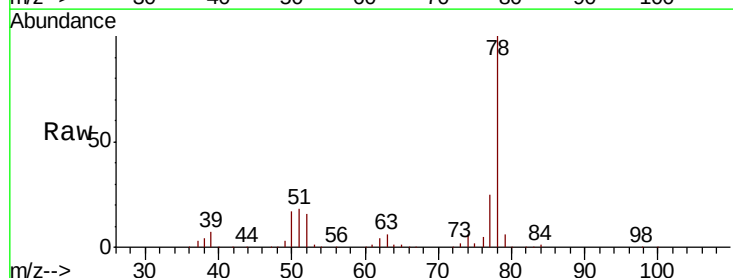
RT: 5.13 min Scan# 1255

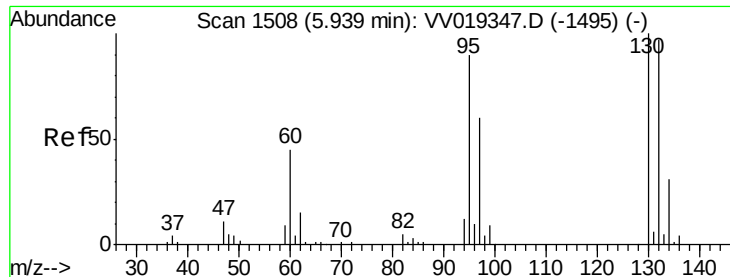
Delta R.T. 0.00 min

Lab File: VV019347.D

Acq: 12 Nov 2020 12:10

Tgt Ion: 78 Resp: 267135





#34

Trichloroethene

Concen: 49.114 ug/L

RT: 5.94 min Scan# 1508

Delta R.T. 0.00 min

Lab File: VV019347.D

Acq: 12 Nov 2020 12:10

Instrument :

MSVOA_V

ClientSampleId :

VSTD05065

Tot Ion: 95 Resp: 76785

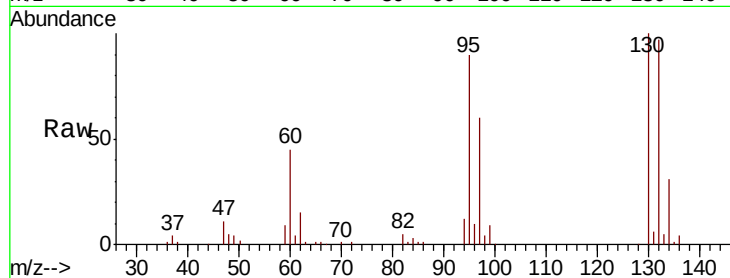
Ion Ratio Lower Upper

95 100

97 66.8 46.8 86.8

132 107.9 75.5 140.3

130 111.0 77.7 144.3

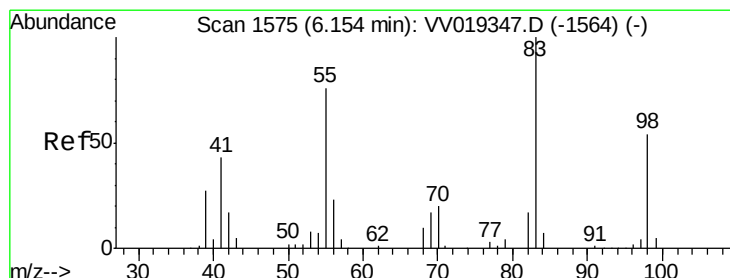
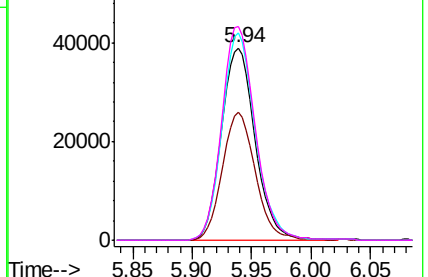
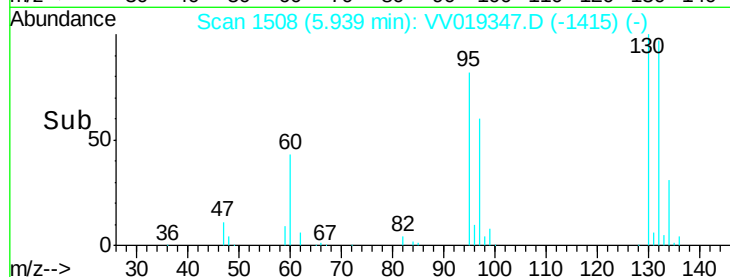


Abundance Ion 95.00 (94.70 to 95.70): VV0

Ion 97.00 (96.70 to 97.70): VV0

Ion 132.00 (131.70 to 132.70): VV0

Ion 130.00 (129.70 to 130.70): VV0



#35

Methylcyclohexane

Concen: 46.907 ug/L

RT: 6.15 min Scan# 1575

Delta R.T. 0.00 min

Lab File: VV019347.D

Acq: 12 Nov 2020 12:10

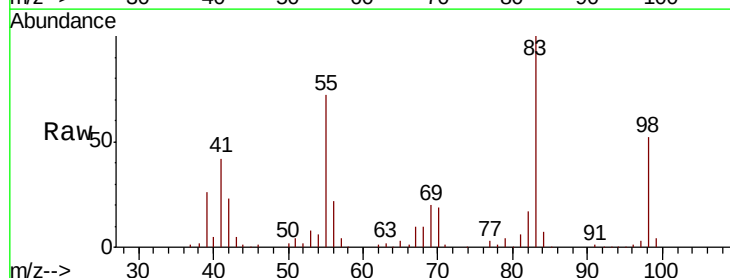
Tgt Ion: 83 Resp: 96592

Ion Ratio Lower Upper

83 100

55 73.3 58.6 88.0

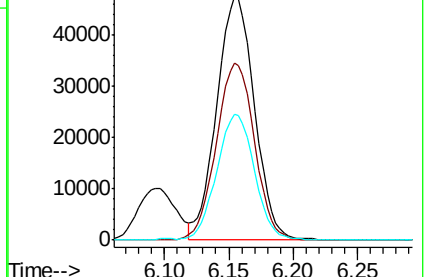
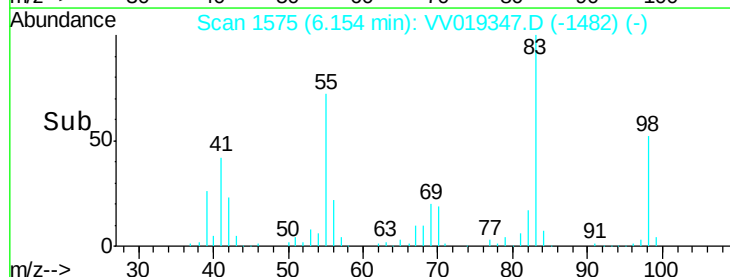
98 51.7 41.4 62.0

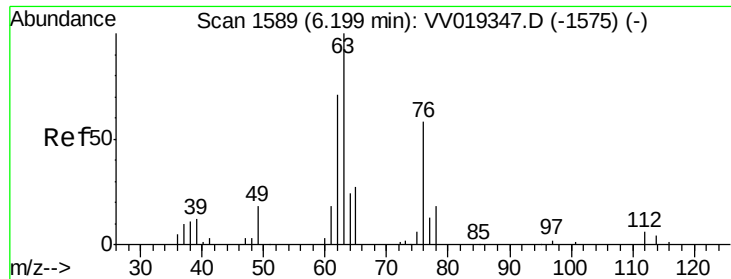


Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 55.00 (54.70 to 55.70): VV0

Ion 98.00 (97.70 to 98.70): VV0

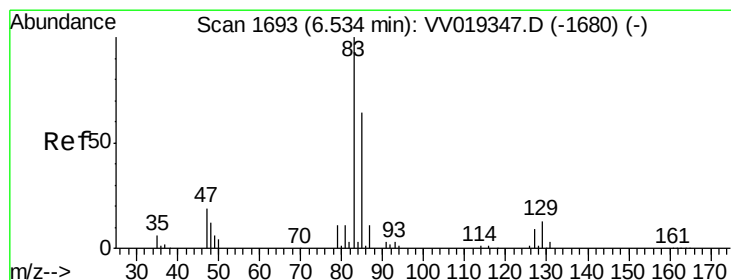
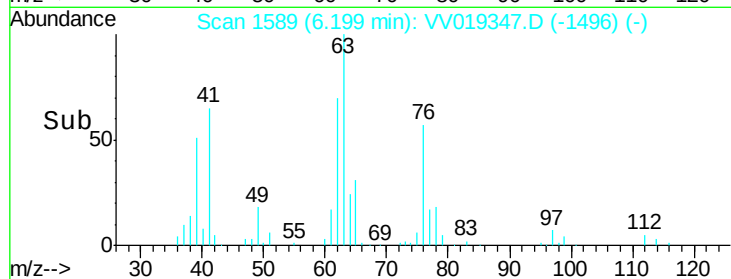
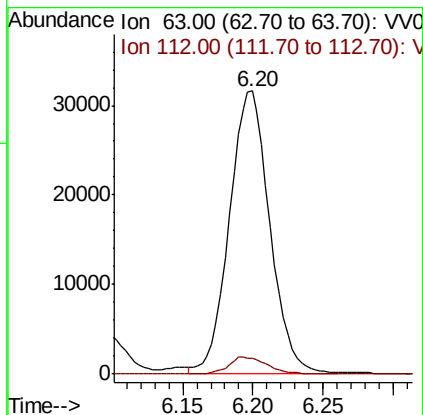
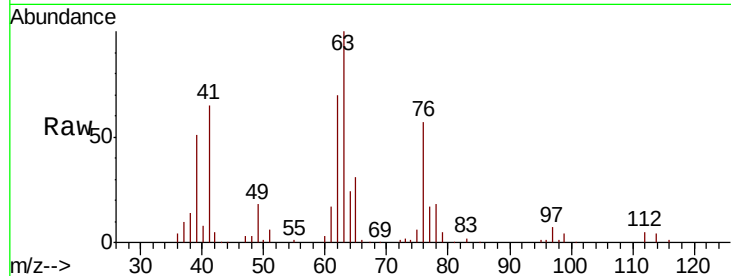




#37
 1,2-Dichloropropane
 Concen: 45.716 ug/L
 RT: 6.20 min Scan# 1589
 Delta R.T. 0.00 min
 Lab File: VV019347.D
 Acq: 12 Nov 2020 12:10

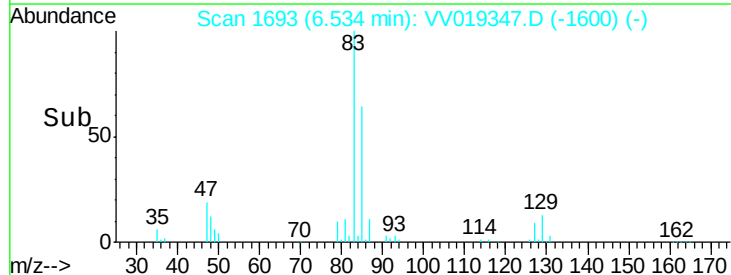
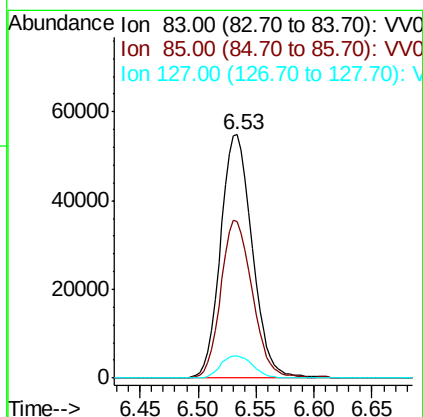
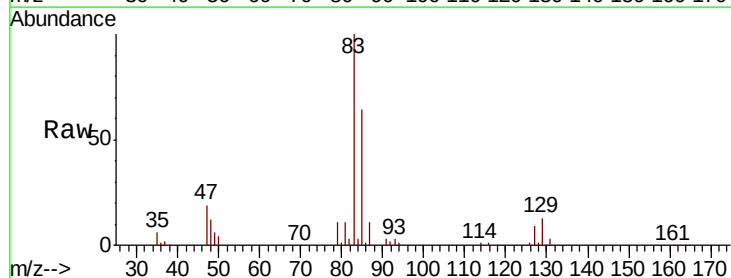
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05065

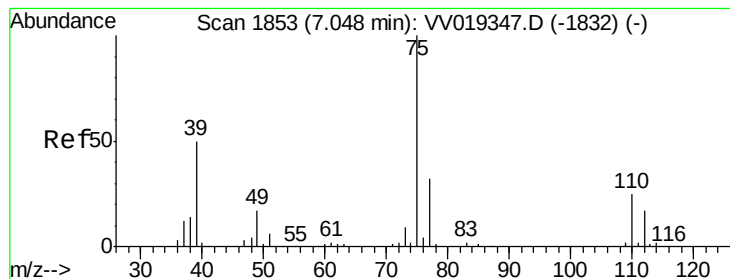
Tot Ion: 63 Resp: 63529
 Ion Ratio Lower Upper
 63 100
 112 5.7 4.6 6.8



#38
 Bromodichloromethane
 Concen: 49.380 ug/L
 RT: 6.53 min Scan# 1693
 Delta R.T. 0.00 min
 Lab File: VV019347.D
 Acq: 12 Nov 2020 12:10

Tgt Ion: 83 Resp: 104086
 Ion Ratio Lower Upper
 83 100
 85 64.4 45.1 83.7
 127 9.0 7.2 10.8



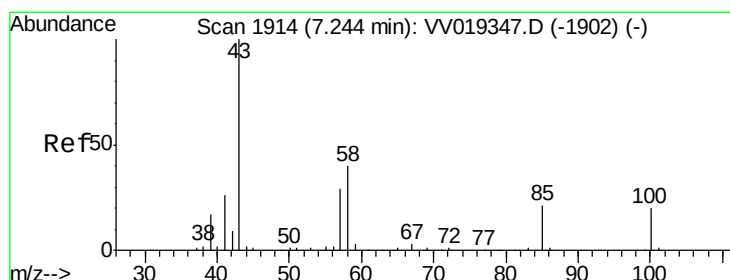
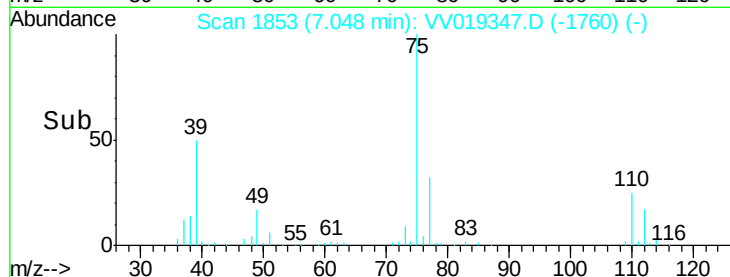
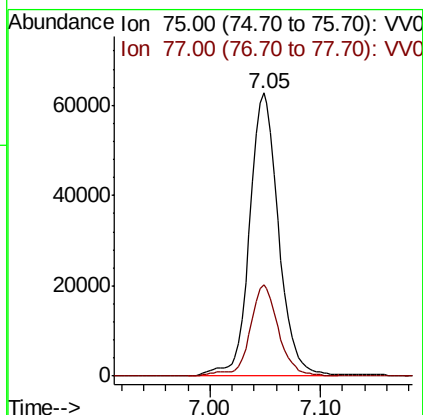
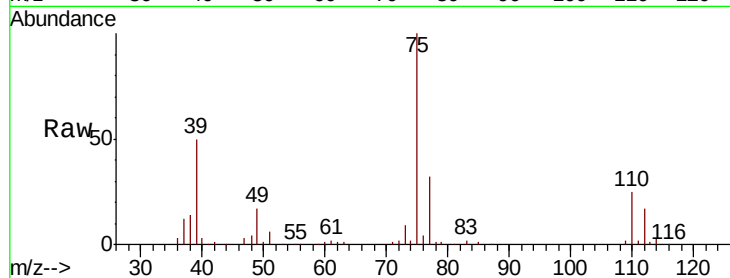


#39

cis-1,3-Dichloropropene
 Concen: 49.422 ug/L
 RT: 7.05 min Scan# 1853
 Delta R.T. 0.00 min
 Lab File: VV019347.D
 Acq: 12 Nov 2020 12:10

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05065

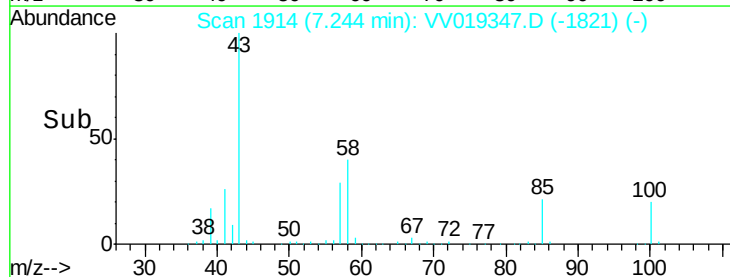
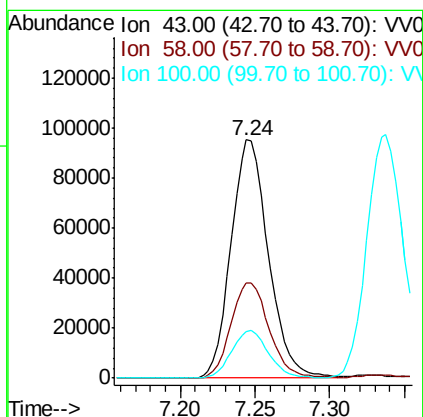
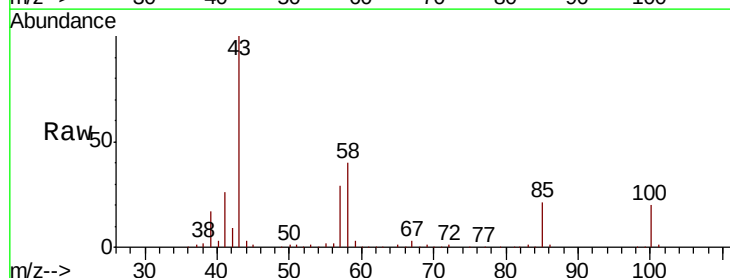
Tot Ion: 75 Resp: 114663
 Ion Ratio Lower Upper
 75 100
 77 32.4 22.7 42.1

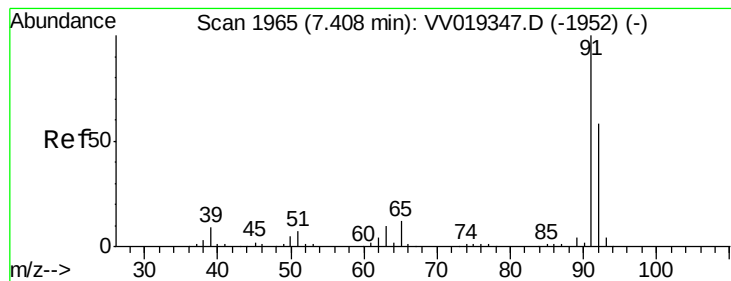


#40

4-Methyl-2-pentanone
 Concen: 88.258 ug/L
 RT: 7.24 min Scan# 1914
 Delta R.T. 0.00 min
 Lab File: VV019347.D
 Acq: 12 Nov 2020 12:10

Tgt Ion: 43 Resp: 166082
 Ion Ratio Lower Upper
 43 100
 58 40.9 32.7 49.1
 100 19.9 15.9 23.9





#42

Toluene

Concen: 48.326 ug/L

RT: 7.41 min Scan# 1965

Delta R.T. 0.00 min

Lab File: VV019347.D

Acq: 12 Nov 2020 12:10

Instrument :

MSVOA_V

ClientSampleId :

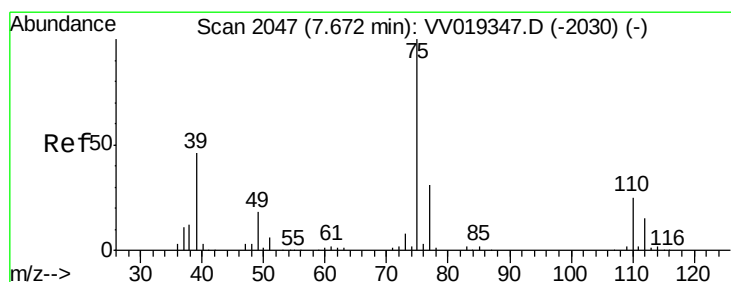
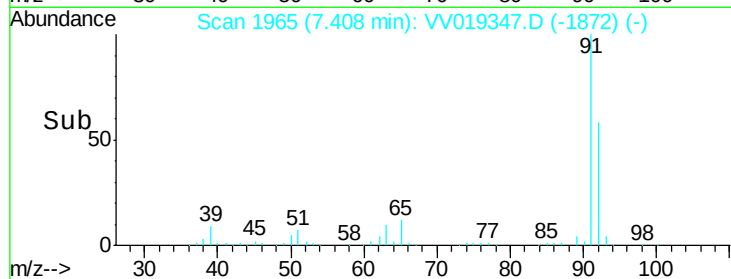
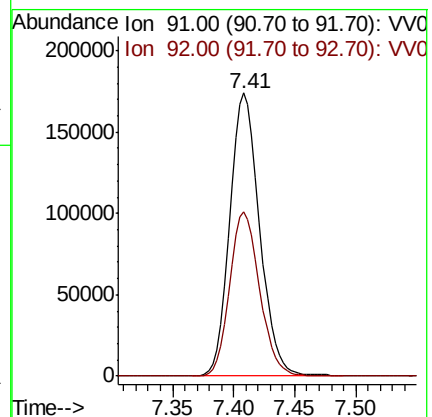
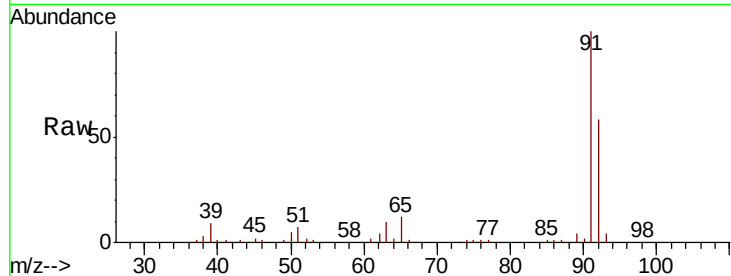
VSTD05065

Tot Ion: 91 Resp: 298752

Ion Ratio Lower Upper

91 100

92 57.9 40.5 75.3



#44

trans-1,3-Dichloropropene

Concen: 50.040 ug/L

RT: 7.67 min Scan# 2047

Delta R.T. 0.00 min

Lab File: VV019347.D

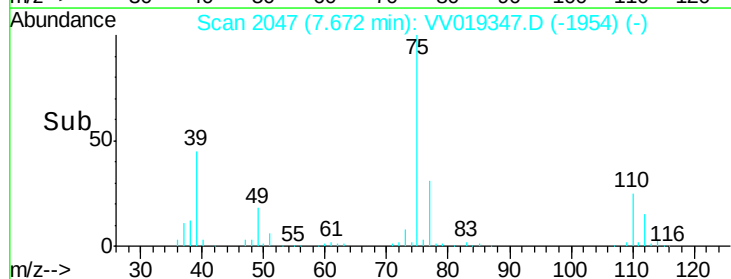
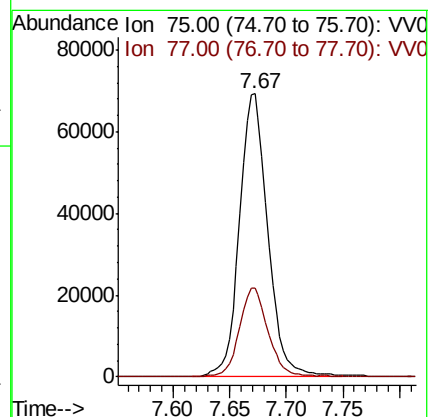
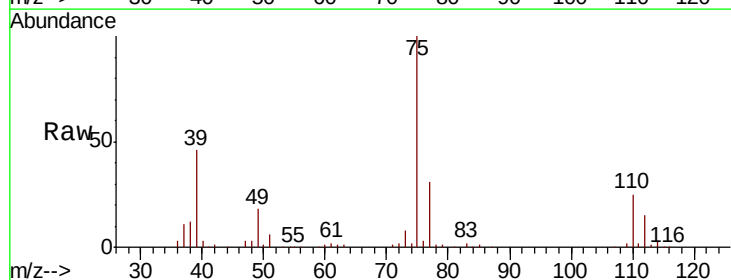
Acq: 12 Nov 2020 12:10

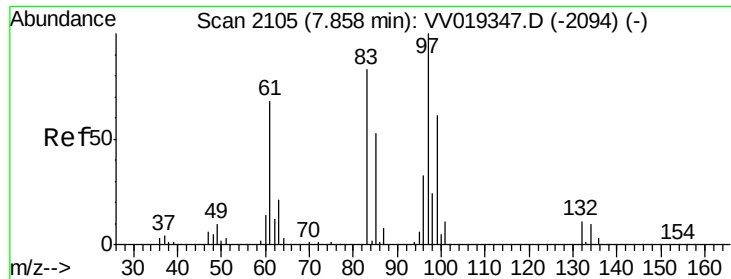
Tgt Ion: 75 Resp: 121447

Ion Ratio Lower Upper

75 100

77 31.5 22.0 41.0

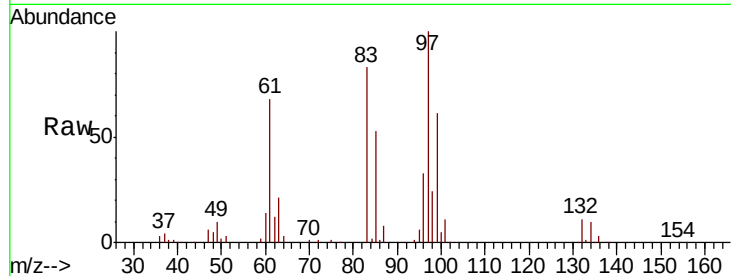




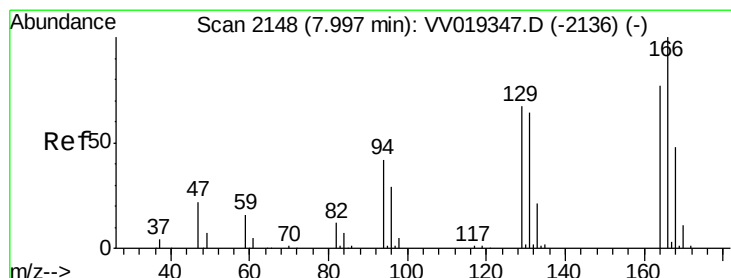
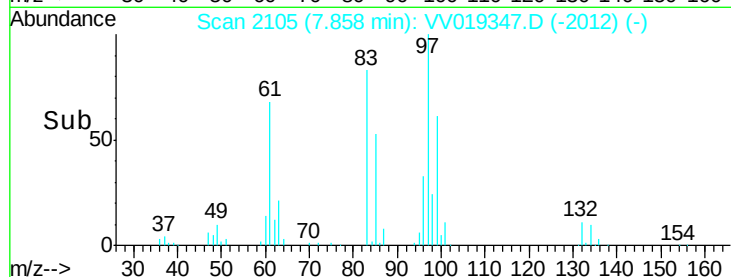
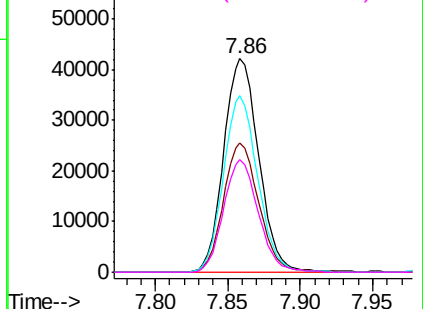
#45
 1,1,2-Trichloroethane
 Concen: 49.881 ug/L
 RT: 7.86 min Scan# 2105
 Delta R.T. 0.00 min
 Lab File: VV019347.D
 Acq: 12 Nov 2020 12:10

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05065

Tot Ion:	97	Resp:	70960
Ion	Ratio	Lower	Upper
97	100		
99	60.7	42.5	78.9
83	83.0	58.1	107.9
85	53.1	37.2	69.0

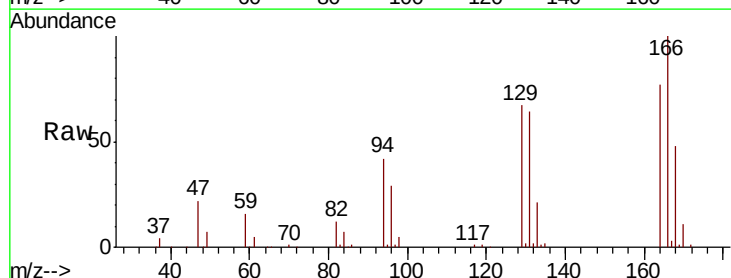


Abundance Ion 97.00 (96.70 to 97.70): VV019347.D (-2094) (-)

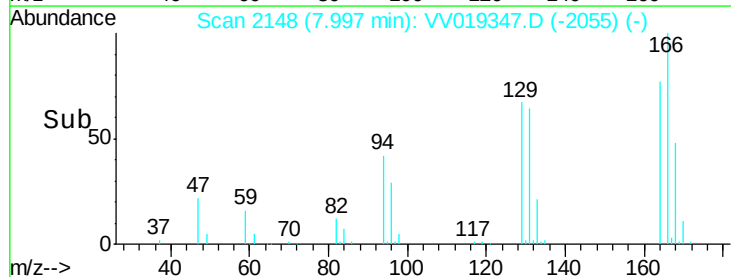
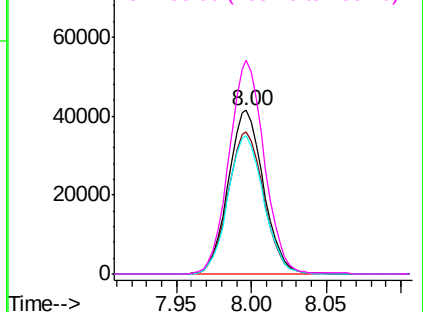


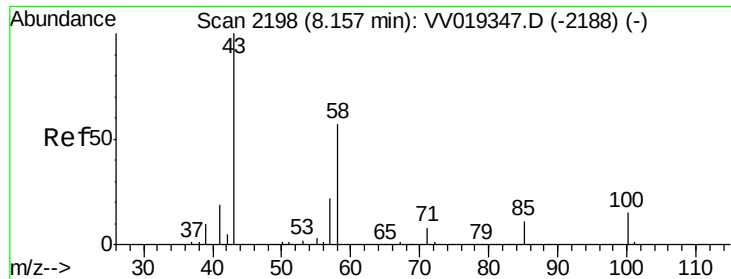
#46
 Tetrachloroethene
 Concen: 50.949 ug/L
 RT: 8.00 min Scan# 2148
 Delta R.T. 0.00 min
 Lab File: VV019347.D
 Acq: 12 Nov 2020 12:10

Tgt Ion:	164	Resp:	68428
Ion	Ratio	Lower	Upper
164	100		
129	87.0	60.9	113.1
131	84.2	58.9	109.5
166	130.6	91.4	169.8



Abundance Ion 164.00 (163.70 to 164.70): VV019347.D (-2136) (-)

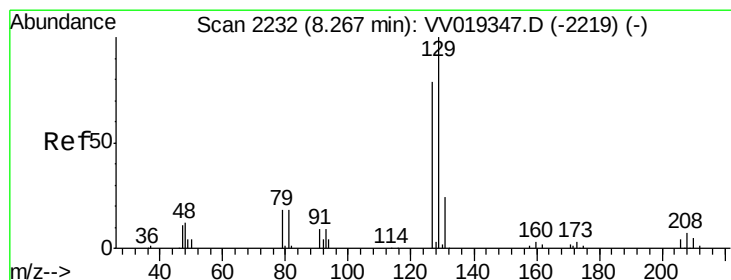
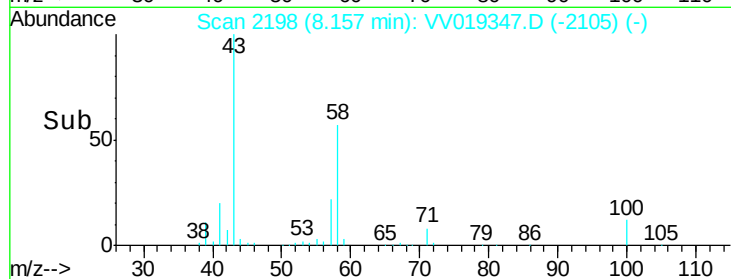
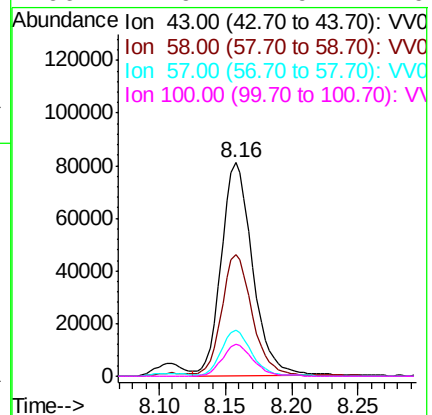
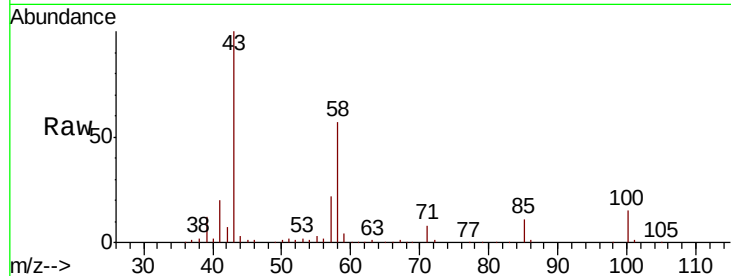




#48
2-Hexanone
Concen: 88.307 ug/L
RT: 8.16 min Scan# 2198
Delta R.T. 0.00 min
Lab File: VV019347.D
Acq: 12 Nov 2020 12:10

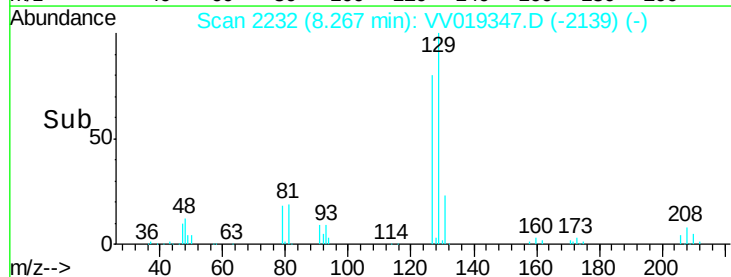
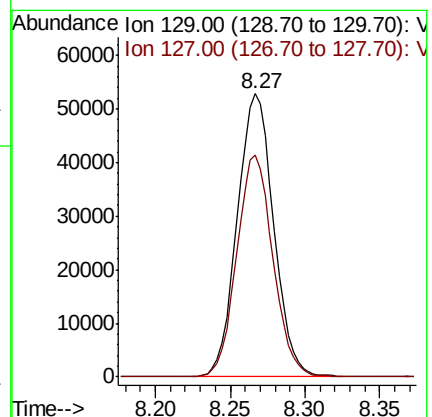
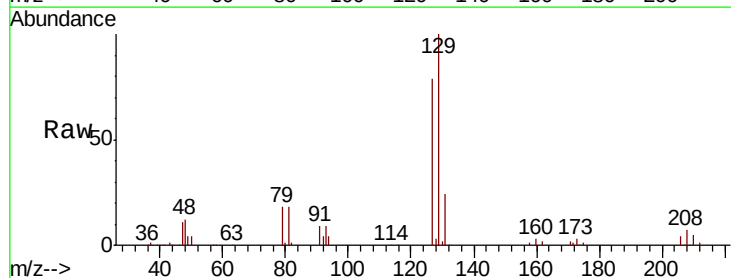
Instrument :
MSVOA_V
ClientSampleId :
VSTD05065

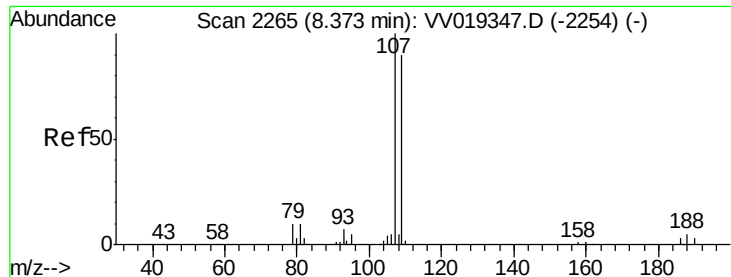
Tot Ion: 43 Resp: 132795
Ion Ratio Lower Upper
43 100
58 54.5 43.6 65.4
57 21.5 17.2 25.8
100 14.9 11.9 17.9



#49
Dibromochloromethane
Concen: 51.494 ug/L
RT: 8.27 min Scan# 2232
Delta R.T. 0.00 min
Lab File: VV019347.D
Acq: 12 Nov 2020 12:10

Tgt Ion: 129 Resp: 89587
Ion Ratio Lower Upper
129 100
127 78.5 54.9 102.1

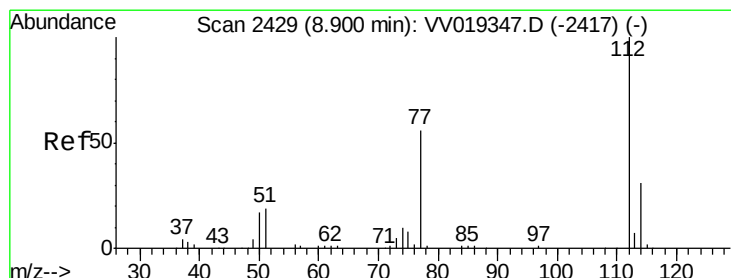
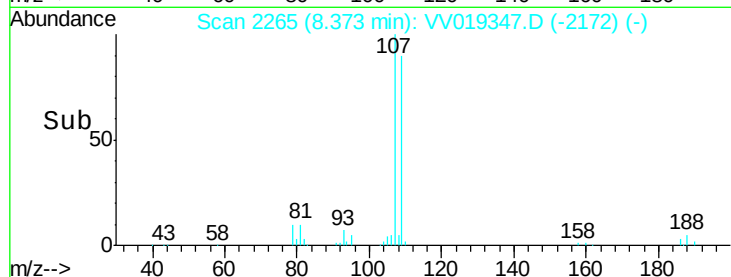
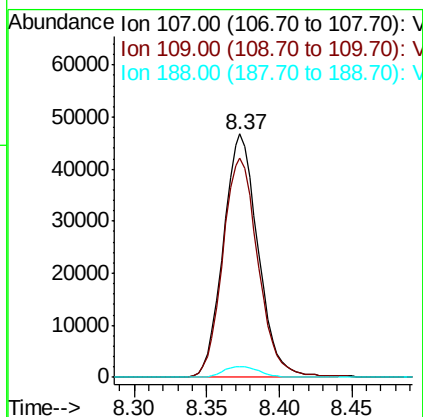
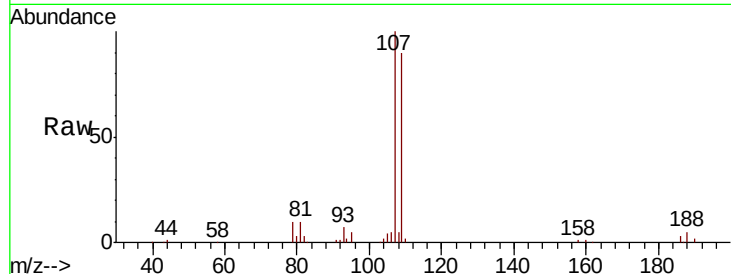




#50
1,2-Dibromoethane
Concen: 51.014 ug/L
RT: 8.37 min Scan# 2265
Delta R.T. 0.00 min
Lab File: VV019347.D
Acq: 12 Nov 2020 12:10

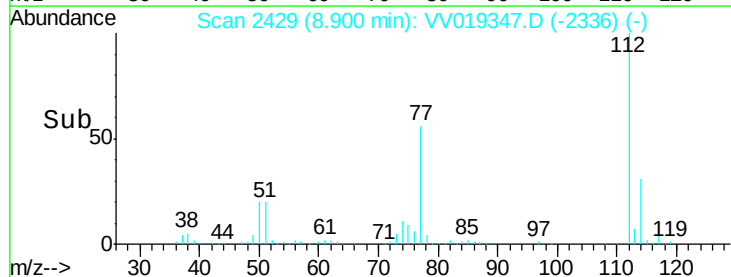
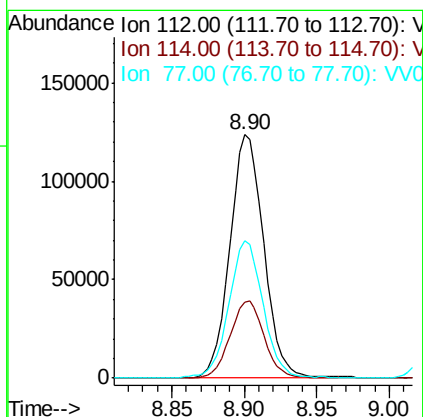
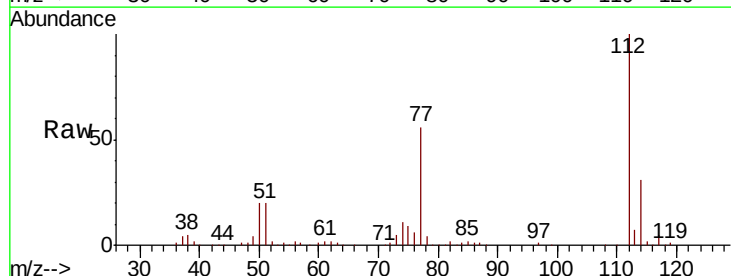
Instrument :
MSVOA_V
ClientSampleId :
VSTD05065

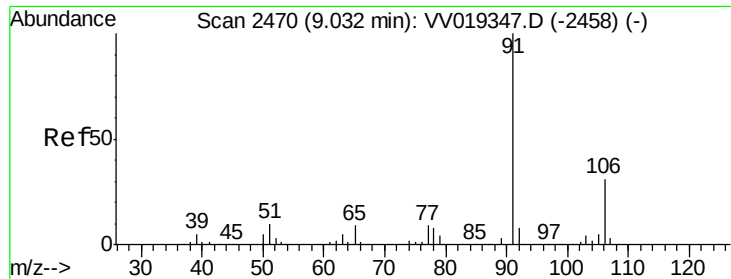
Tot Ion	107	Resp	77586
Ion Ratio	Lower	Upper	
107	100		
109	89.9	62.9	116.9
188	4.5	3.6	5.4



#51
Chlorobenzene
Concen: 49.103 ug/L
RT: 8.90 min Scan# 2429
Delta R.T. 0.00 min
Lab File: VV019347.D
Acq: 12 Nov 2020 12:10

Tgt Ion	112	Resp	200752
Ion Ratio	Lower	Upper	
112	100		
114	31.2	21.8	40.6
77	56.4	45.1	67.7





#52

Ethylbenzene

Concen: 48.795 ug/L

RT: 9.03 min Scan# 2470

Delta R.T. 0.00 min

Lab File: VV019347.D

Acq: 12 Nov 2020 12:10

Instrument :

MSVOA_V

ClientSampleId :

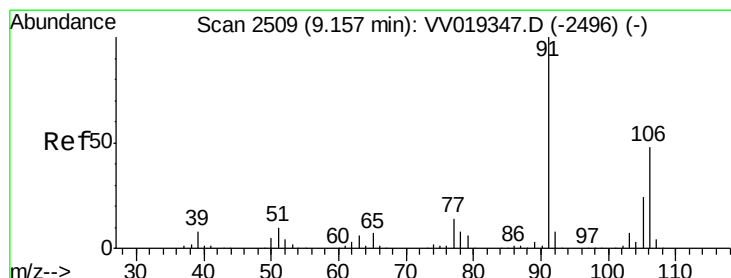
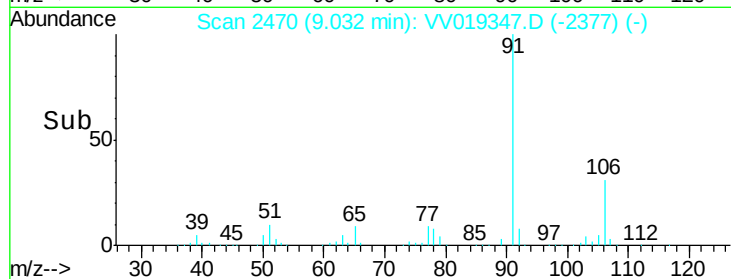
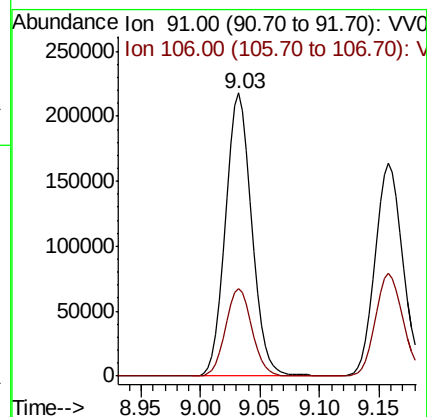
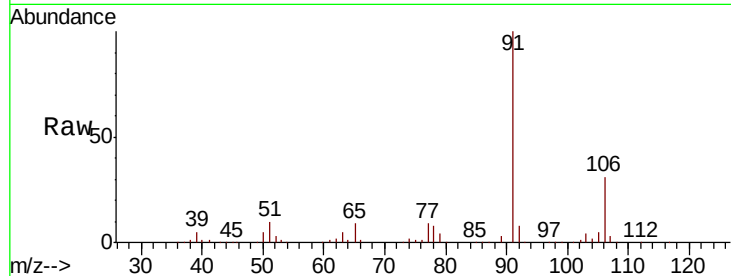
VSTD05065

Tot Ion: 91 Resp: 333931

Ion Ratio Lower Upper

91 100

106 31.1 21.8 40.4



#53

m,p-Xylene

Concen: 49.528 ug/L

RT: 9.16 min Scan# 2509

Delta R.T. 0.00 min

Lab File: VV019347.D

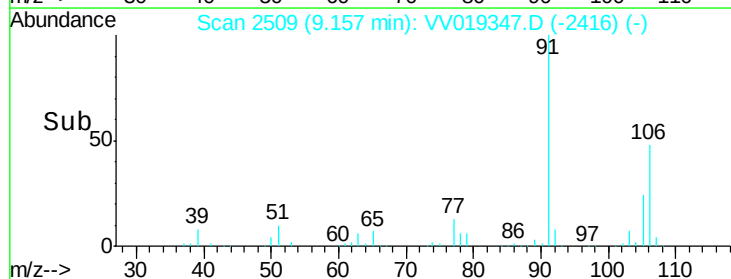
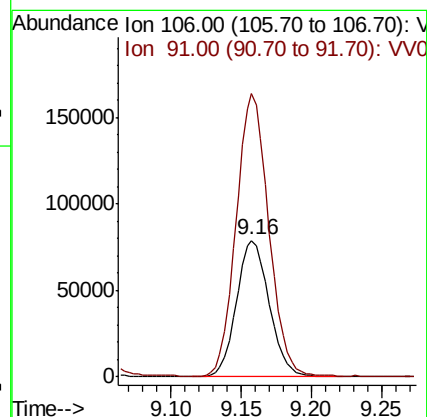
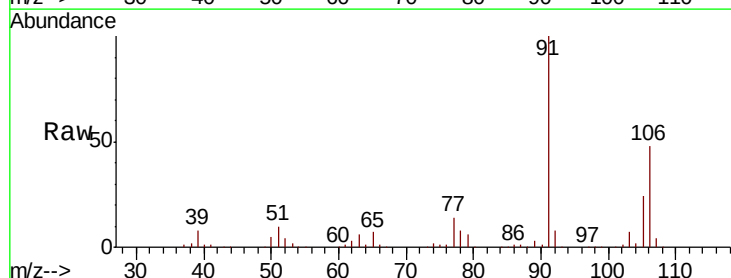
Acq: 12 Nov 2020 12:10

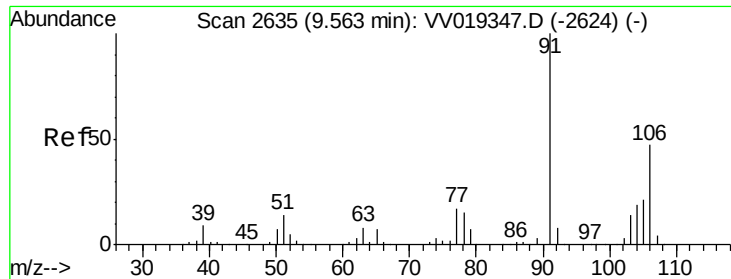
Tgt Ion: 106 Resp: 127938

Ion Ratio Lower Upper

106 100

91 207.0 144.9 269.1

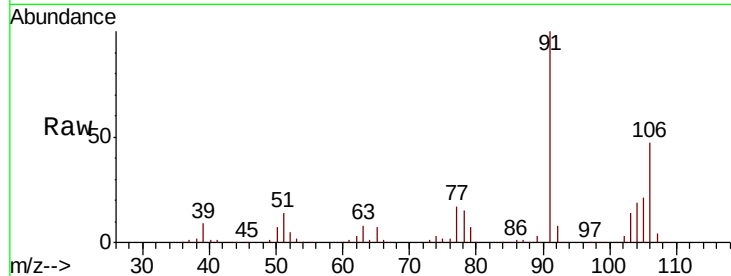




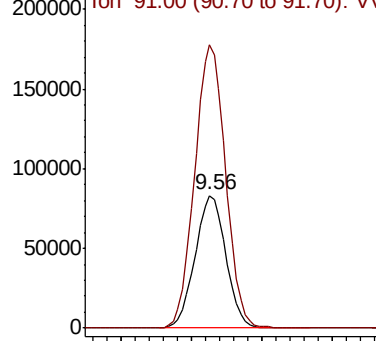
#54
o-xylene
Concen: 50.727 ug/L
RT: 9.56 min Scan# 2635
Delta R.T. 0.00 min
Lab File: VV019347.D
Acq: 12 Nov 2020 12:10

Instrument :
MSVOA_V
ClientSampleId :
VSTD05065

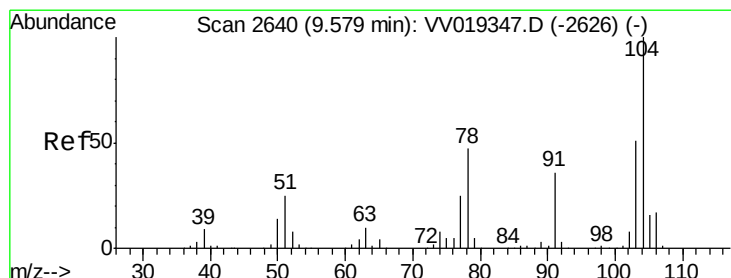
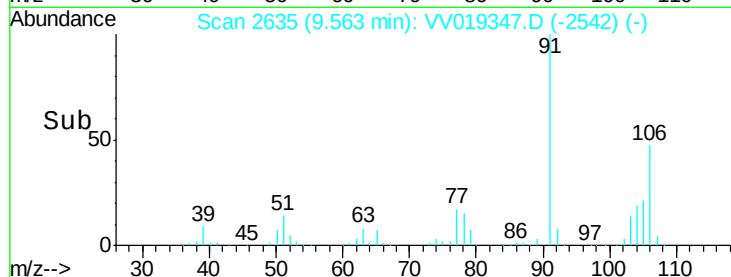
Tot Ion:106 Resp: 126462
Ion Ratio Lower Upper
106 100
91 213.3 149.3 277.3



Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VV0

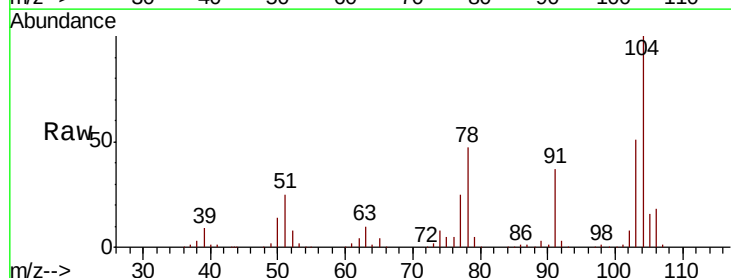


Time-->

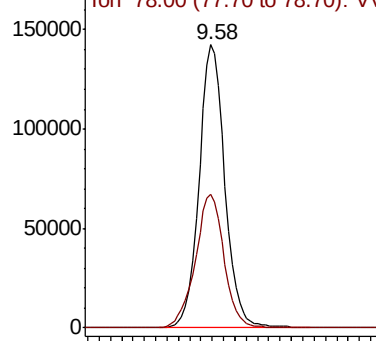


#55
Styrene
Concen: 51.061 ug/L
RT: 9.58 min Scan# 2640
Delta R.T. 0.00 min
Lab File: VV019347.D
Acq: 12 Nov 2020 12:10

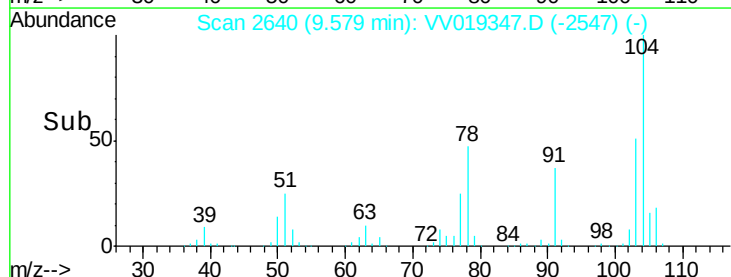
Tgt Ion:104 Resp: 225182
Ion Ratio Lower Upper
104 100
78 47.1 33.0 61.2

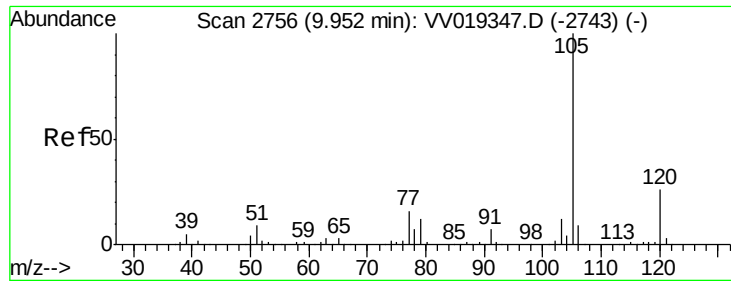


Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VV0



Time-->





#56

Isopropylbenzene

Concen: 50.410 ug/L

RT: 9.95 min Scan# 2756

Delta R.T. 0.00 min

Lab File: VV019347.D

Acq: 12 Nov 2020 12:10

Instrument :

MSVOA_V

ClientSampleId :

VSTD05065

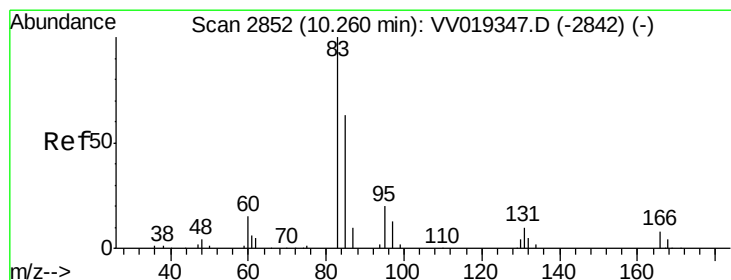
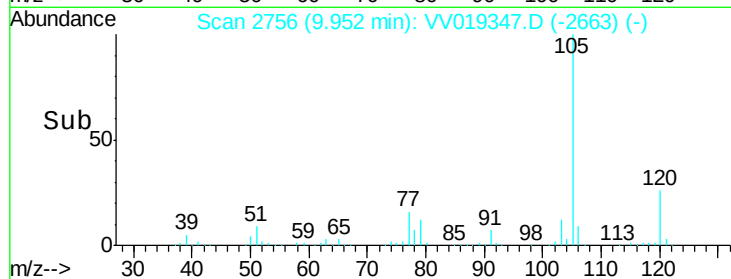
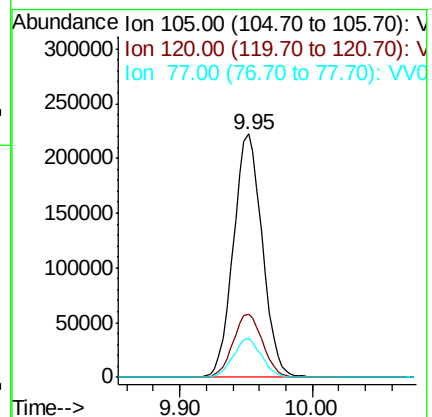
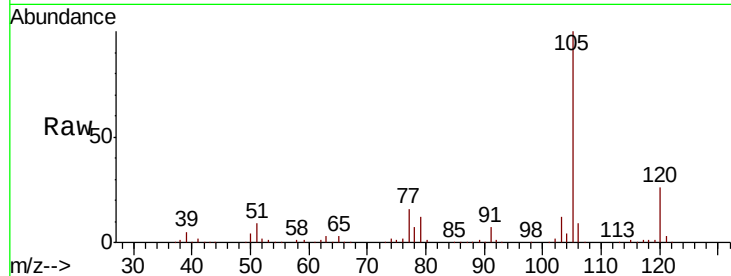
Tot Ion:105 Resp: 336699

Ion Ratio Lower Upper

105 100

120 26.6 21.3 31.9

77 15.7 12.6 18.8



#58

1,1,2,2-Tetrachloroethane

Concen: 45.716 ug/L

RT: 10.26 min Scan# 2852

Delta R.T. 0.00 min

Lab File: VV019347.D

Acq: 12 Nov 2020 12:10

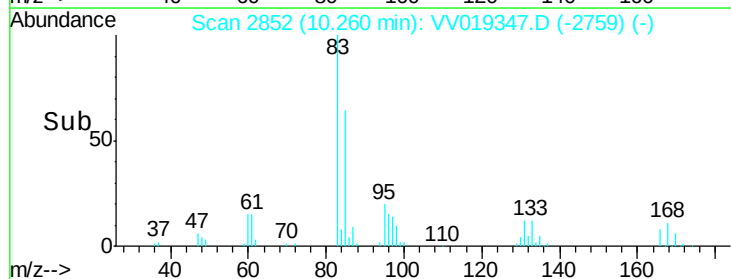
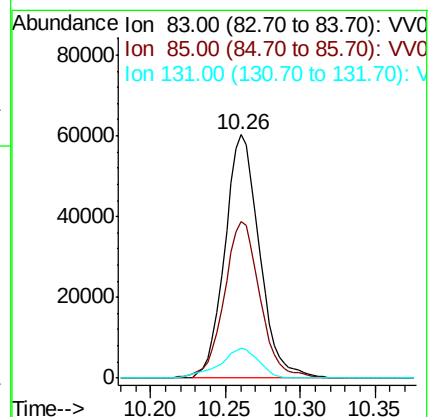
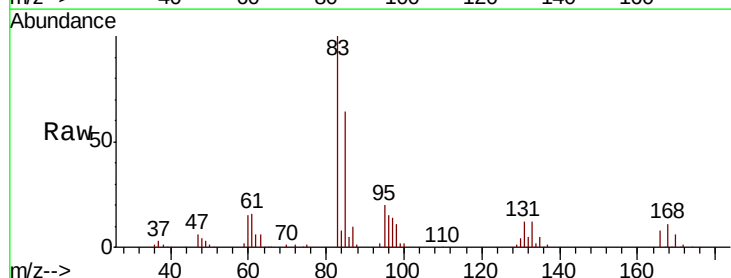
Tgt Ion: 83 Resp: 97099

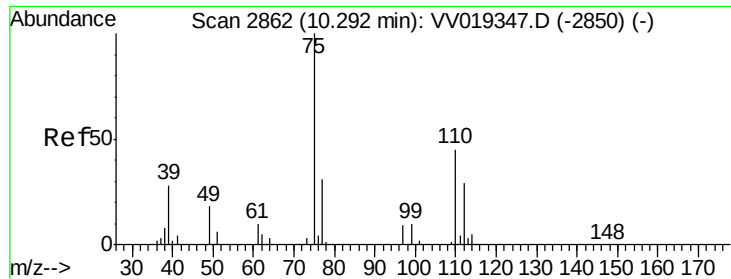
Ion Ratio Lower Upper

83 100

85 64.5 45.1 83.9

131 12.0 9.6 14.4





#59

1,2,3-Trichloropropane

Concen: 47.798 ug/L

RT: 10.29 min Scan# 2862

Delta R.T. 0.00 min

Lab File: VV019347.D

Acq: 12 Nov 2020 12:10

Instrument :

MSVOA_V

ClientSampleId :

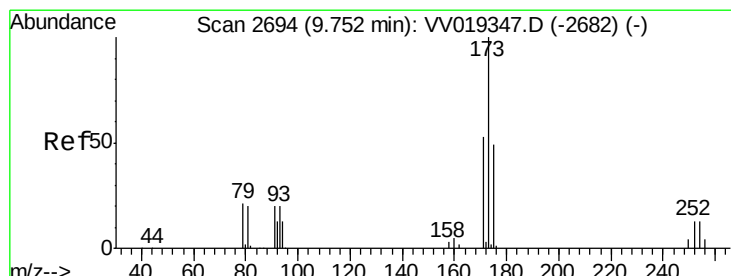
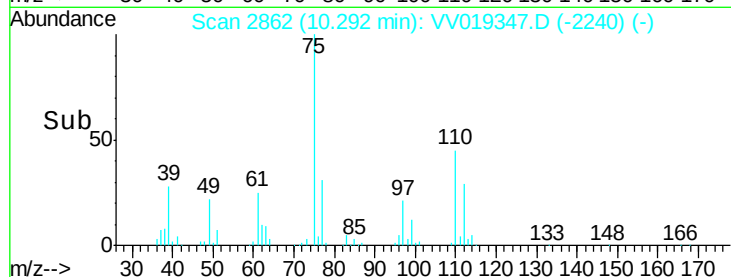
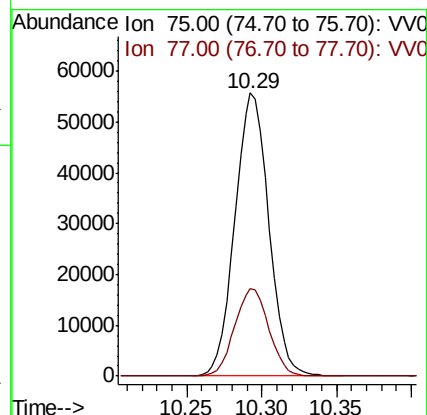
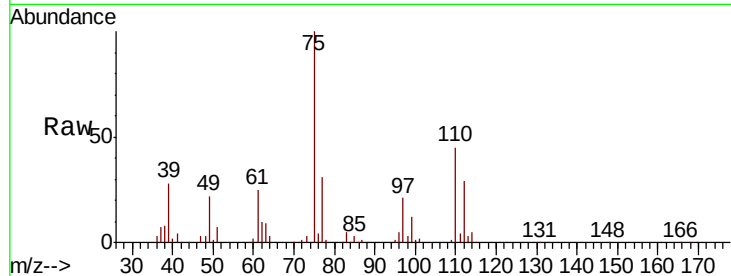
VSTD05065

Tot Ion: 75 Resp: 87917

Ion Ratio Lower Upper

75 100

77 31.2 25.0 37.4



#61

Bromoform

Concen: 48.577 ug/L

RT: 9.75 min Scan# 2694

Delta R.T. 0.00 min

Lab File: VV019347.D

Acq: 12 Nov 2020 12:10

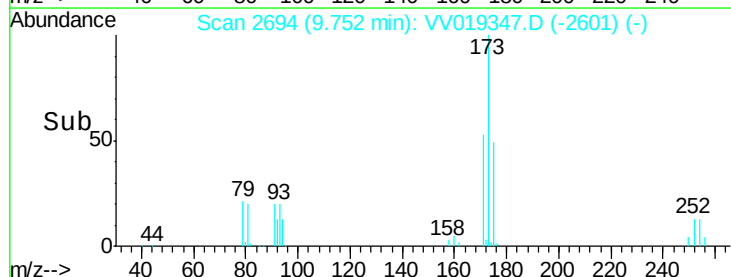
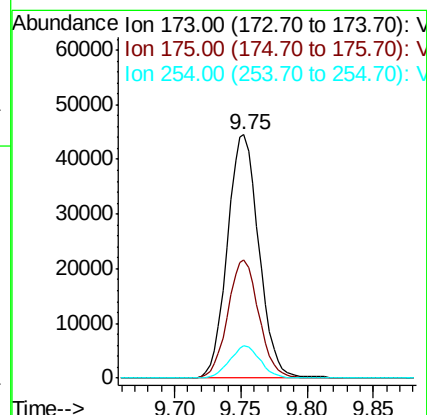
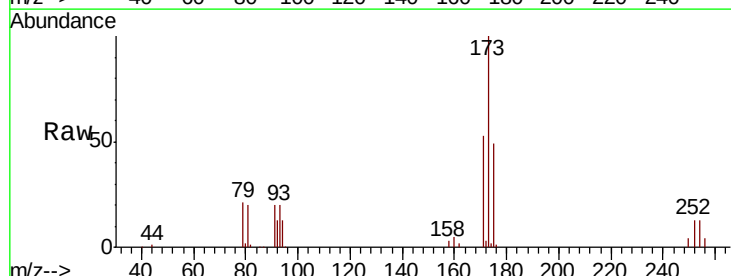
Tgt Ion: 173 Resp: 73363

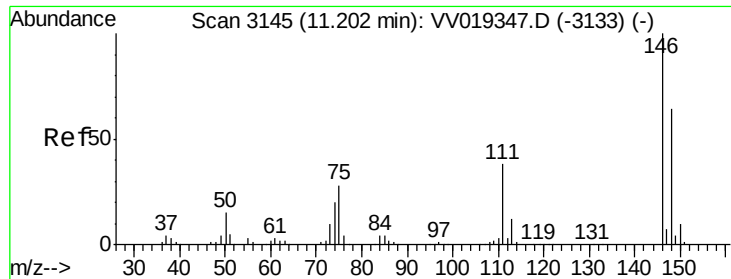
Ion Ratio Lower Upper

173 100

175 47.9 38.3 57.5

254 12.9 10.3 15.5

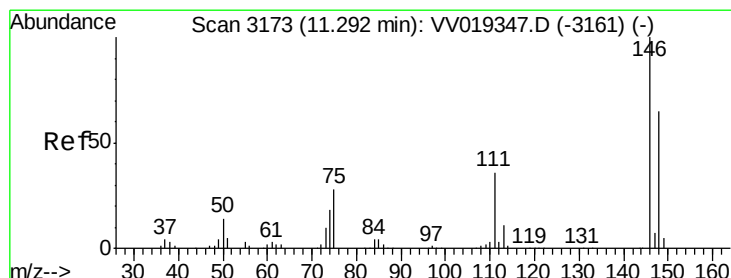
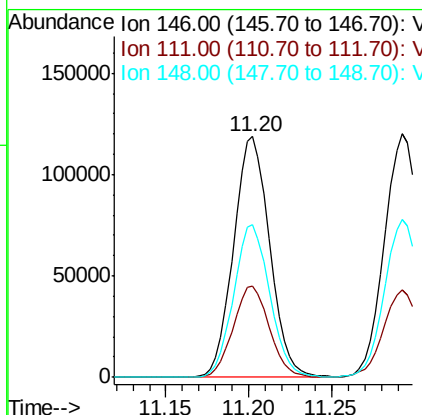
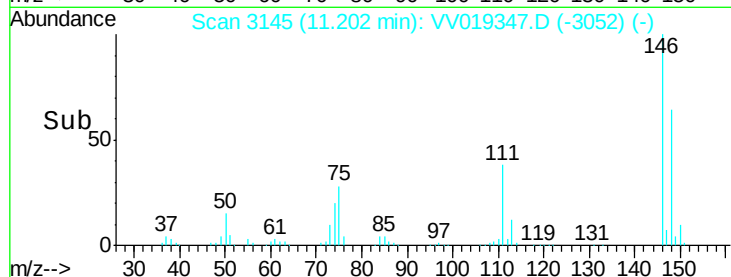
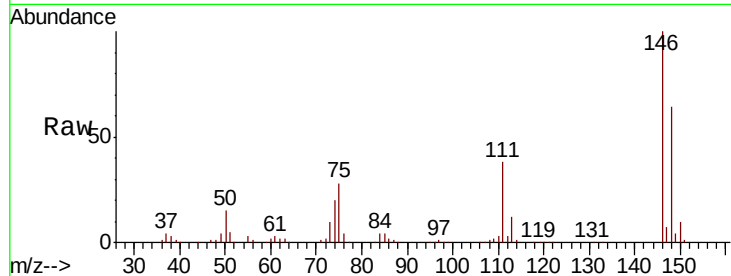




#62
 1,3-Dichlorobenzene
 Concen: 47.237 ug/L
 RT: 11.20 min Scan# 3145
 Delta R.T. 0.00 min
 Lab File: VV019347.D
 Acq: 12 Nov 2020 12:10

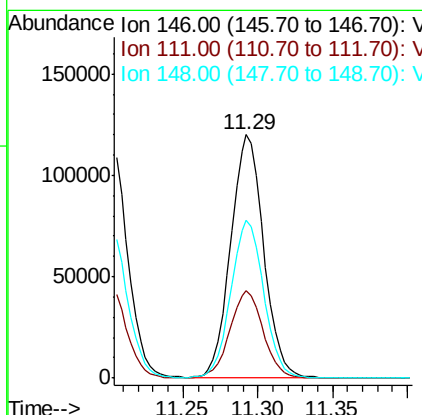
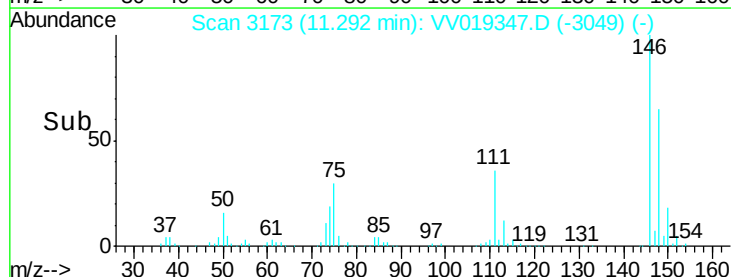
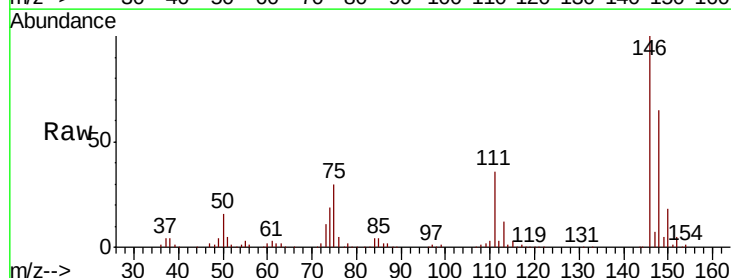
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05065

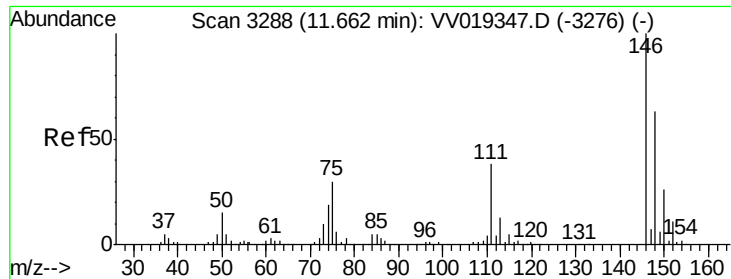
Tot Ion:146 Resp: 180464
 Ion Ratio Lower Upper
 146 100
 111 37.9 26.5 49.3
 148 63.6 44.5 82.7



#63
 1,4-Dichlorobenzene
 Concen: 46.311 ug/L
 RT: 11.29 min Scan# 3173
 Delta R.T. 0.00 min
 Lab File: VV019347.D
 Acq: 12 Nov 2020 12:10

Tgt Ion:146 Resp: 183442
 Ion Ratio Lower Upper
 146 100
 111 35.9 25.1 46.7
 148 64.9 45.4 84.4

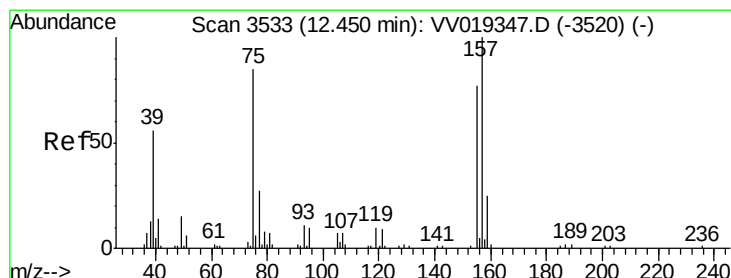
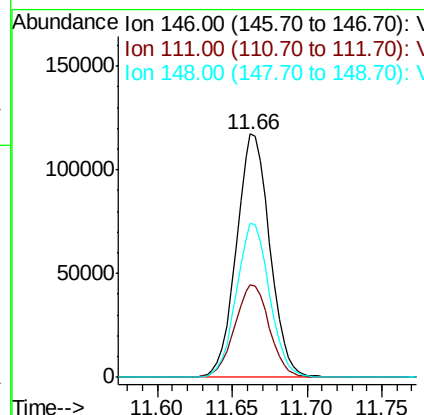
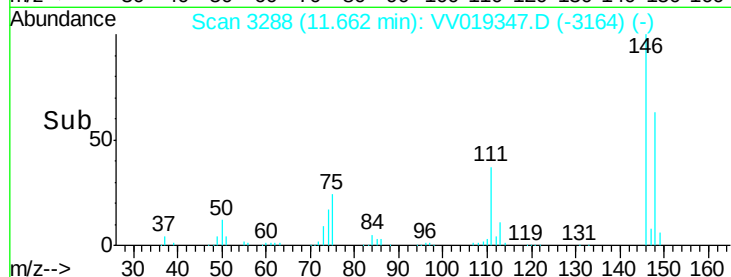
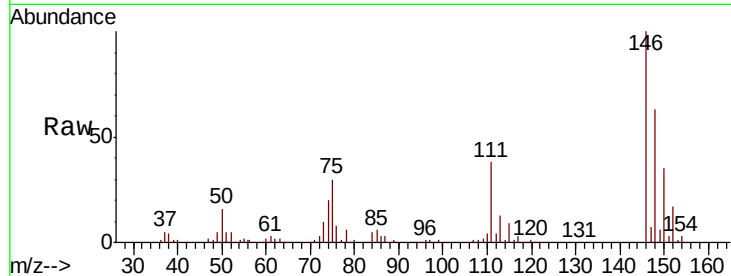




#65
 1,2-Dichlorobenzene
 Concen: 47.913 ug/L
 RT: 11.66 min Scan# 3288
 Delta R.T. 0.00 min
 Lab File: VV019347.D
 Acq: 12 Nov 2020 12:10

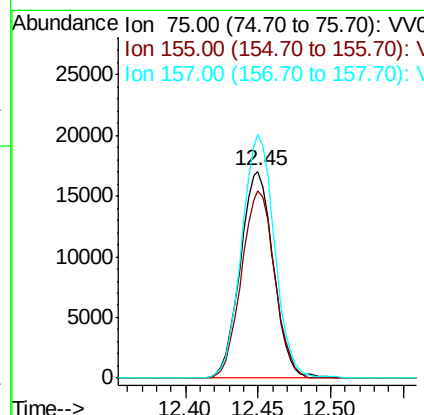
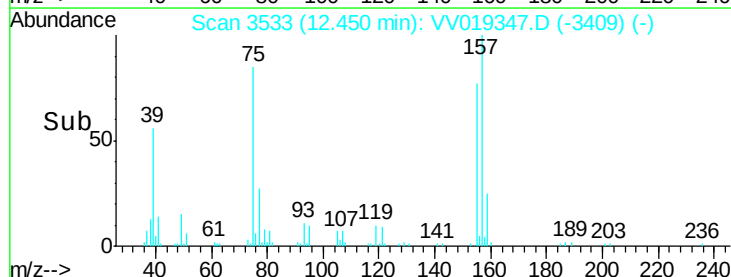
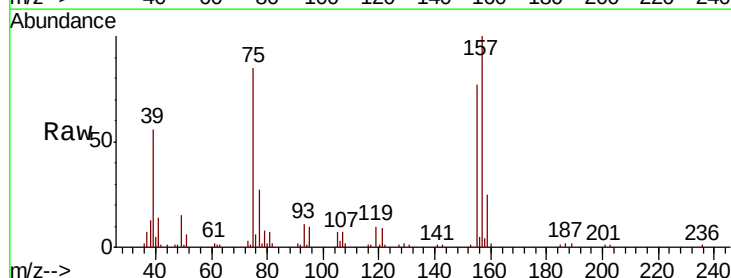
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05065

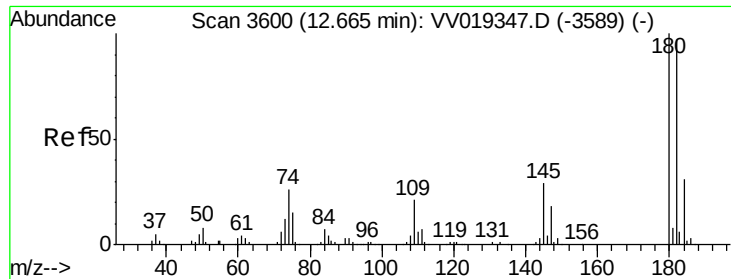
Tot Ion:146 Resp: 182098
 Ion Ratio Lower Upper
 146 100
 111 38.2 30.6 45.8
 148 63.2 50.6 75.8



#66
 1,2-Dibromo-3-chloropropane
 Concen: 42.516 ug/L
 RT: 12.45 min Scan# 3533
 Delta R.T. 0.00 min
 Lab File: VV019347.D
 Acq: 12 Nov 2020 12:10

Tgt Ion: 75 Resp: 27069
 Ion Ratio Lower Upper
 75 100
 155 90.2 72.2 108.2
 157 117.6 94.1 141.1

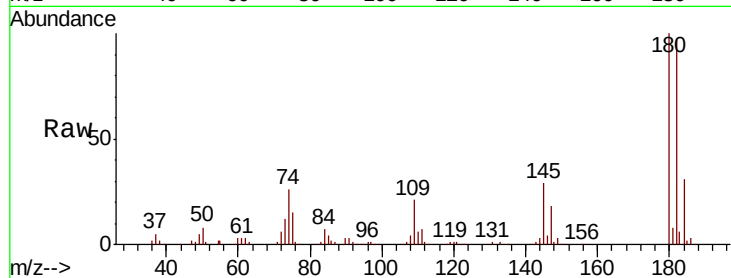




#67
 1,3,5-Trichlorobenzene
 Concen: 48.396 ug/L
 RT: 12.67 min Scan# 3600
 Delta R.T. 0.00 min
 Lab File: VV019347.D
 Acq: 12 Nov 2020 12:10

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05065

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.6	76.5	114.7
184	30.7	24.6	36.8
145	28.0	22.4	33.6

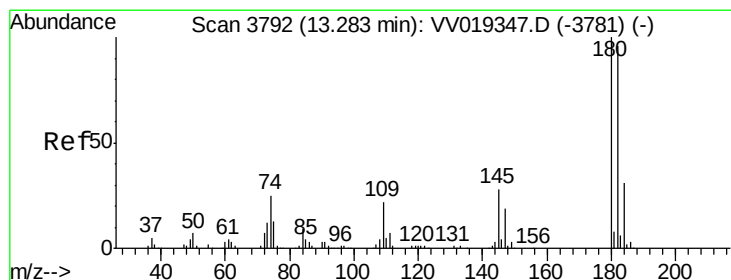
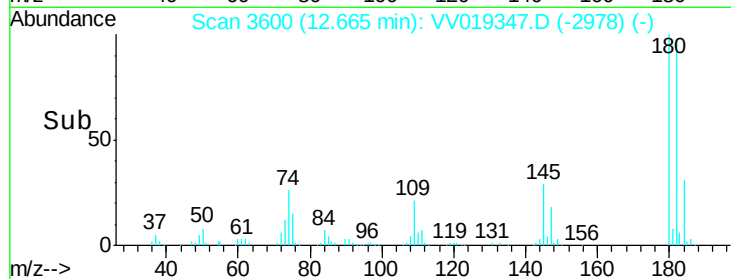
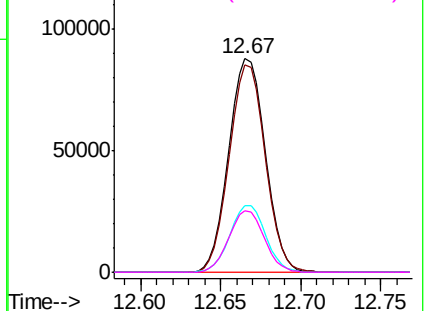


Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

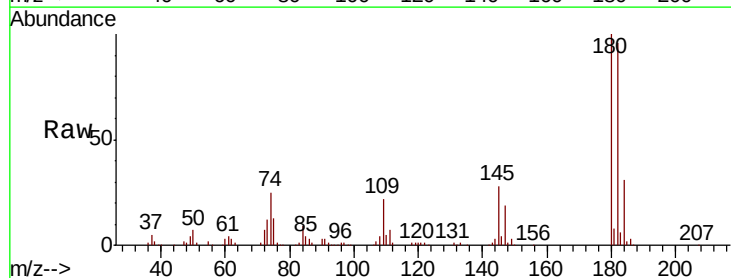
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 47.881 ug/L
 RT: 13.28 min Scan# 3792
 Delta R.T. 0.00 min
 Lab File: VV019347.D
 Acq: 12 Nov 2020 12:10

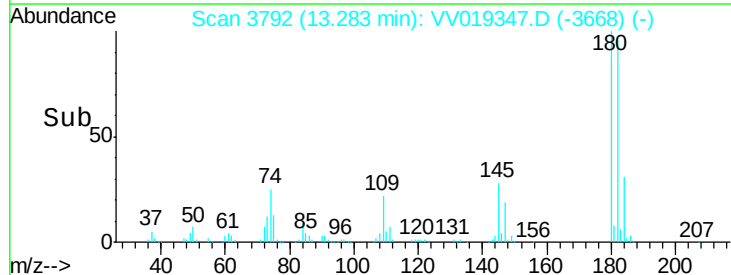
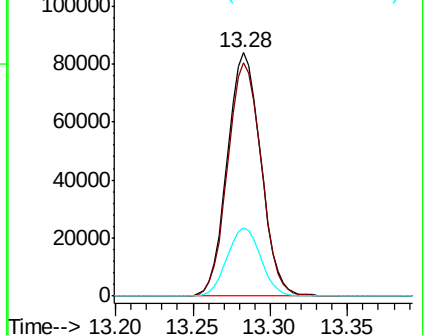
Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.2	77.0	115.4
145	28.1	22.5	33.7

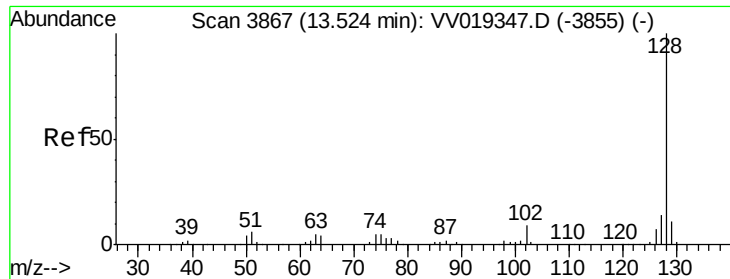


Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V





#69

Naphthalene

Concen: 43.572 ug/L

RT: 13.52 min Scan# 3867

Delta R.T. 0.00 min

Lab File: VV019347.D

Acq: 12 Nov 2020 12:10

Instrument :

MSVOA_V

ClientSampleId :

VSTD05065

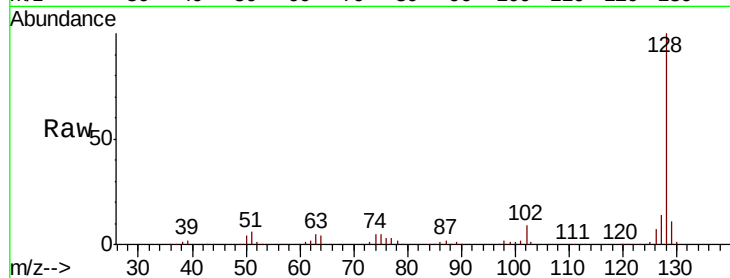
Tot Ion:128 Resp: 310383

Ion Ratio Lower Upper

128 100

127 13.6 10.9 16.3

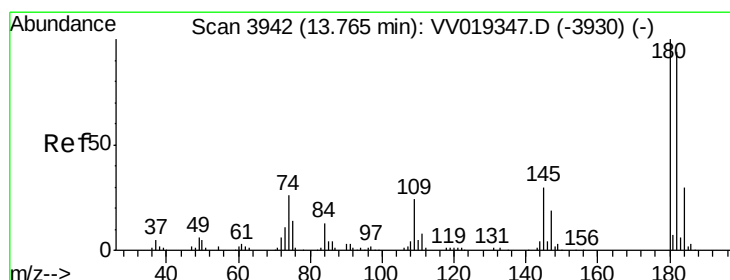
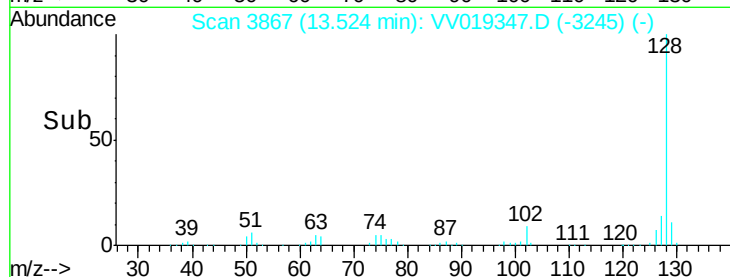
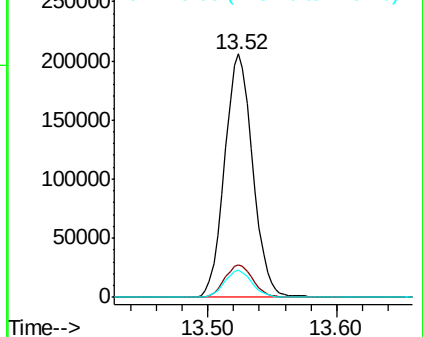
129 10.9 8.7 13.1



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#70

1,2,3-Trichlorobenzene

Concen: 49.727 ug/L

RT: 13.76 min Scan# 3942

Delta R.T. 0.00 min

Lab File: VV019347.D

Acq: 12 Nov 2020 12:10

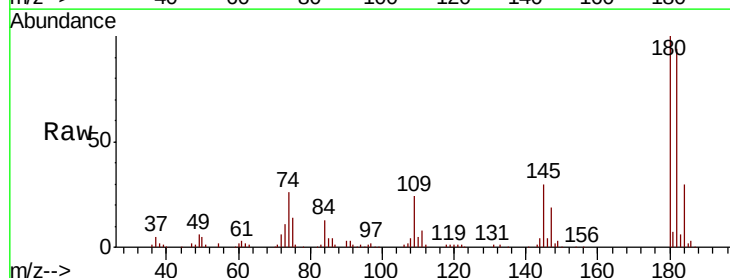
Tgt Ion:180 Resp: 128877

Ion Ratio Lower Upper

180 100

182 95.0 76.0 114.0

145 30.2 24.2 36.2



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

