

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV081420\
 Data File : VV017984.D
 Acq On : 14 Aug 2020 09:45
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05069

Quant Time: Aug 17 01:18:53 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM081120WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Aug 14 16:50:11 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	254905	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	256984	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	138538	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	98921	50.86	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	101.72%
7) Chloroethane-d5	1.58	69	81579	51.27	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	102.54%
11) 1,1-Dichloroethene-d2	2.12	63	189182	50.85	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	101.70%
21) 2-Butanone-d5	3.91	46	115335	90.54	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	90.54%
24) Chloroform-d	4.37	84	176428	49.83	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	99.66%
26) 1,2-Dichloroethane-d4	5.05	65	116841	50.81	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	101.62%
32) Benzene-d6	5.07	84	349263	49.31	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	98.62%
36) 1,2-Dichloropropane-d6	6.09	67	110373	47.67	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	95.34%
41) Toluene-d8	7.33	98	323026	50.72	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	101.44%
43) trans-1,3-Dichloropropene-	7.64	79	53165	50.62	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	101.24%
47) 2-Hexanone-d5	8.11	63	66199	89.09	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	89.09%
57) 1,1,2,2-Tetrachloroethane-	10.24	84	141024	46.77	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	93.54%
64) 1,2-Dichlorobenzene-d4	11.65	152	129082	47.34	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	94.68%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.14	85	95890	48.726	ug/L 100
3) Chloromethane	1.25	50	102424	44.804	ug/L 100
5) Vinyl chloride	1.32	62	109387	48.295	ug/L 98
6) Bromomethane	1.53	94	53422	39.463	ug/L 99
8) Chloroethane	1.60	64	70767	48.952	ug/L 100
9) Trichlorofluoromethane	1.77	101	157156	48.573	ug/L 100
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	92718	51.324	ug/L 99
12) 1,1-Dichloroethene	2.13	96	84267	49.282	ug/L 98
13) Acetone	2.19	43	155331	118.058	ug/L 100
14) Carbon disulfide	2.31	76	239602	50.913	ug/L 99
15) Methyl Acetate	2.44	43	98742	46.504	ug/L 100
16) Methylene chloride	2.52	84	97934	44.957	ug/L 99
17) trans-1,2-Dichloroethene	2.78	96	86890	49.435	ug/L 100
18) Methyl tert-butyl Ether	2.78	73	282426	48.586	ug/L 99
19) 1,1-Dichloroethane	3.21	63	173901	49.205	ug/L 98
20) cis-1,2-Dichloroethene	3.94	96	96302	49.858	ug/L 100
22) 2-Butanone	3.99	43	162045	109.785	ug/L 98

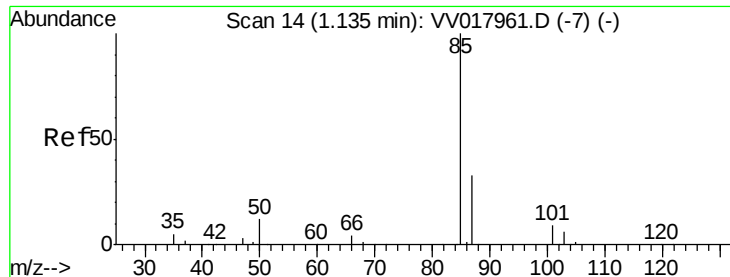
Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV081420\
 Data File : VV017984.D
 Acq On : 14 Aug 2020 09:45
 Operator : SY/MD
 Sample : VSTDCCC050
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Quant Time: Aug 17 01:18:53 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM081120WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Aug 14 16:50:11 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.27	128	50870	50.415	uq/L	98
25) Chloroform	4.40	83	181643	50.389	uq/L	99
27) 1,2-Dichloroethane	5.15	62	141329	49.256	uq/L	99
29) Cyclohexane	4.70	56	147766	47.642	uq/L	99
30) 1,1,1-Trichloroethane	4.63	97	150164	47.683	uq/L	99
31) Carbon tetrachloride	4.85	117	128947	49.186	uq/L	100
33) Benzene	5.12	78	377177	47.440	uq/L	100
34) Trichloroethene	5.94	95	98889	47.054	uq/L	99
35) Methylcyclohexane	6.15	83	150656	48.210	uq/L	98
37) 1,2-Dichloropropane	6.20	63	103084	47.543	uq/L	100
38) Bromodichloromethane	6.53	83	130179	48.336	uq/L	98
39) cis-1,3-Dichloropropene	7.05	75	149892	48.765	uq/L	99
40) 4-Methyl-2-pentanone	7.24	43	261961	92.421	uq/L	99
42) Toluene	7.41	91	400796	48.310	uq/L	100
44) trans-1,3-Dichloropropene	7.67	75	148406	50.887	uq/L	99
45) 1,1,2-Trichloroethane	7.86	97	95163	47.393	uq/L	98
46) Tetrachloroethene	8.00	164	77246	50.118	uq/L	98
48) 2-Hexanone	8.16	43	229964	100.612	uq/L	100
49) Dibromochloromethane	8.27	129	99050	50.537	uq/L	99
50) 1,2-Dibromoethane	8.37	107	98220	47.278	uq/L	97
51) Chlorobenzene	8.90	112	256205	48.016	uq/L	99
52) Ethylbenzene	9.03	91	440980	48.749	uq/L	100
53) m,p-Xylene	9.16	106	165629	49.782	uq/L	98
54) o-xylene	9.56	106	158457	48.194	uq/L	100
55) Styrene	9.58	104	286501	50.883	uq/L	97
56) Isopropylbenzene	9.95	105	425873	49.098	uq/L	100
58) 1,1,1,2,2-Tetrachloroethane	10.26	83	144473	46.205	uq/L	98
59) 1,2,3-Trichloropropane	10.30	75	121469	45.362	uq/L	100
61) Bromoform	9.75	173	64940	49.540	uq/L	98
62) 1,3-Dichlorobenzene	11.20	146	212427	48.219	uq/L	99
63) 1,4-Dichlorobenzene	11.29	146	217509	48.062	uq/L	98
65) 1,2-Dichlorobenzene	11.67	146	211057	46.546	uq/L	99
66) 1,2-Dibromo-3-chloropropan	12.45	75	29796	44.599	uq/L	98
67) 1,3,5-Trichlorobenzene	12.67	180	165047	49.318	uq/L	100
68) 1,2,4-trichlorobenzene	13.28	180	149728	50.888	uq/L	100
69) Naphthalene	13.52	128	405771	50.035	uq/L	99
70) 1,2,3-Trichlorobenzene	13.77	180	156164	52.191	uq/L	100

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



#2

Dichlorodifluoromethane

Concen: 48.726 ug/L

RT: 1.14 min Scan# 14

Delta R.T. 0.00 min

Lab File: VV017984.D

Acq: 14 Aug 2020 09:45

Instrument :

MSVOA_V

ClientSampleId :

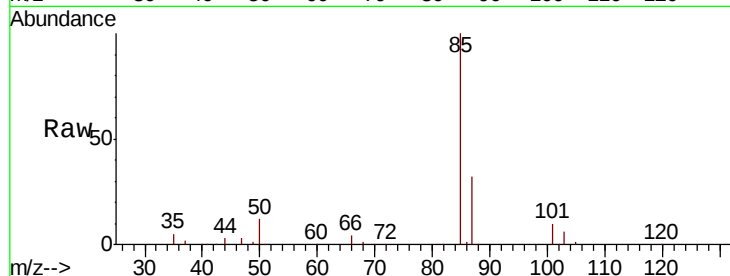
VSTD05069

Tot Ion: 85 Resp: 95890

Ion Ratio Lower Upper

85 100

87 32.3 25.9 38.9



Abundance Ion 85.00 (84.70 to 85.70): VV017961.D (-7) (-)

Ion 87.00 (86.70 to 87.70): VV017961.D (-7) (-)

1.14

100000

80000

60000

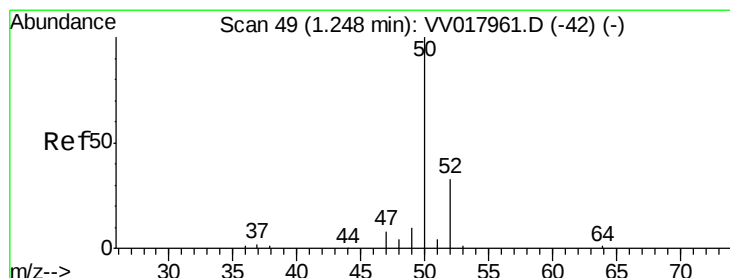
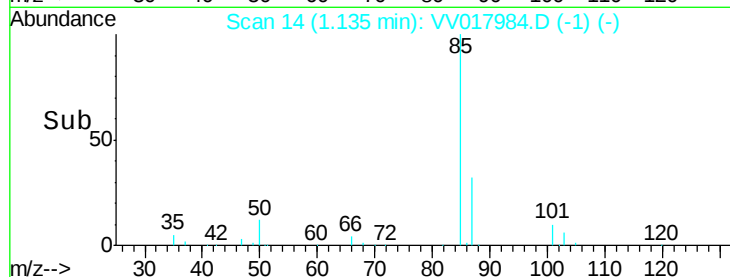
40000

20000

0

1.10 1.15 1.20

Time-->



#3

Chloromethane

Concen: 44.804 ug/L

RT: 1.25 min Scan# 49

Delta R.T. 0.00 min

Lab File: VV017984.D

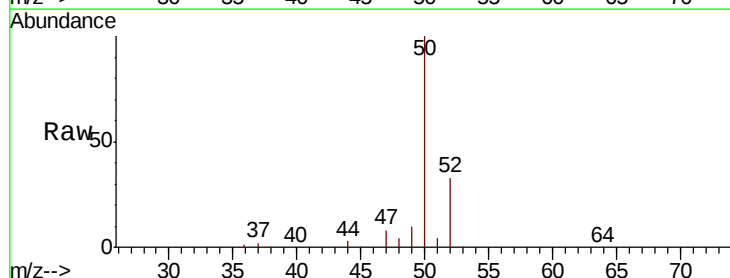
Acq: 14 Aug 2020 09:45

Tgt Ion: 50 Resp: 102424

Ion Ratio Lower Upper

50 100

52 33.3 23.2 43.2



Abundance Ion 50.00 (49.70 to 50.70): VV017961.D (-42) (-)

Ion 52.00 (51.70 to 52.70): VV017961.D (-42) (-)

1.25

120000

100000

80000

60000

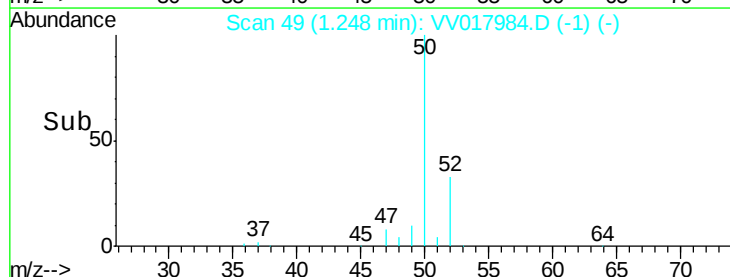
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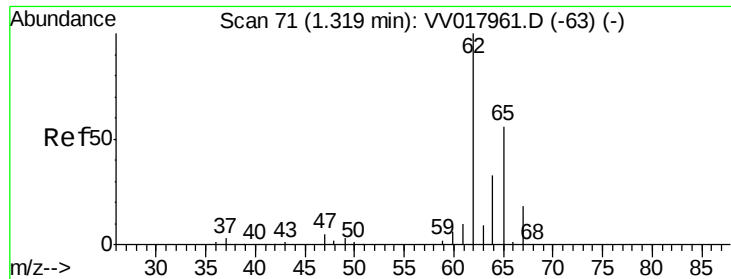
20000

0

1.20 1.25 1.30

Time-->





#5

Vinyl chloride

Concen: 48.295 ug/L

RT: 1.32 min Scan# 71

Delta R.T. 0.00 min

Lab File: VV017984.D

Acq: 14 Aug 2020 09:45

Instrument :

MSVOA_V

ClientSampleId :

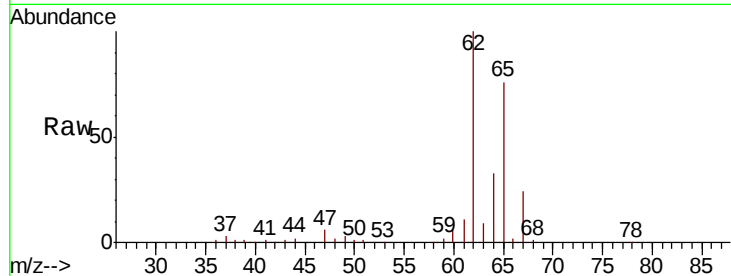
VSTD05069

Tot Ion: 62 Resp: 109387

Ion Ratio Lower Upper

62 100

64 33.0 22.4 41.6



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.00 (63.70 to 64.70): VV0

1.32

120000

100000

80000

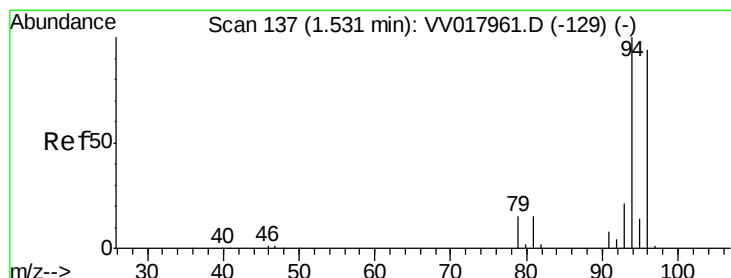
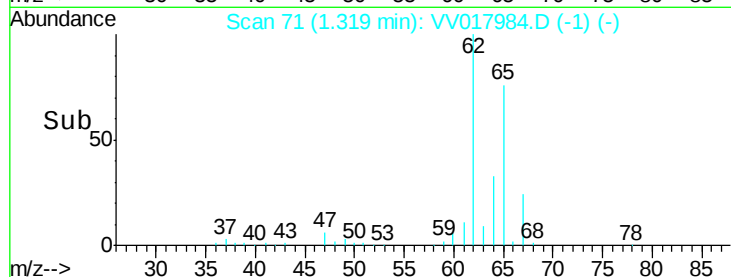
60000

40000

20000

0

Time-->



#6

Bromomethane

Concen: 39.463 ug/L

RT: 1.53 min Scan# 137

Delta R.T. 0.00 min

Lab File: VV017984.D

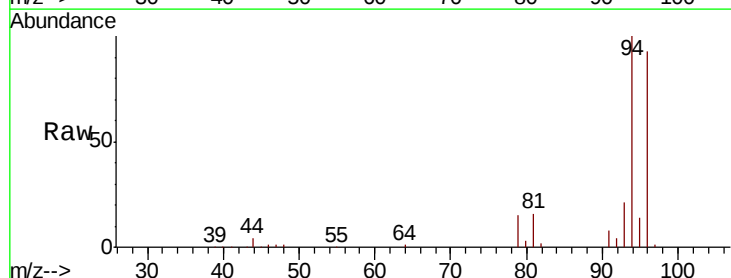
Acq: 14 Aug 2020 09:45

Tgt Ion: 94 Resp: 53422

Ion Ratio Lower Upper

94 100

96 92.7 65.5 121.7



Abundance Ion 94.00 (93.70 to 94.70): VV0

Ion 96.00 (95.70 to 96.70): VV0

1.53

50000

40000

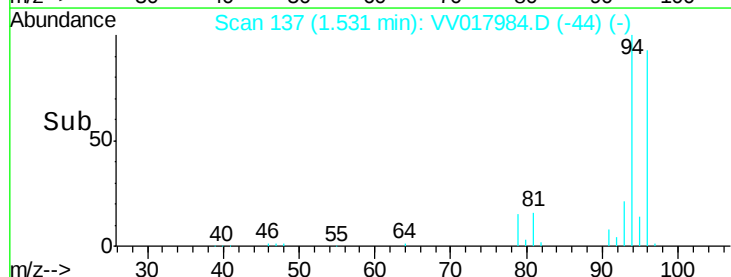
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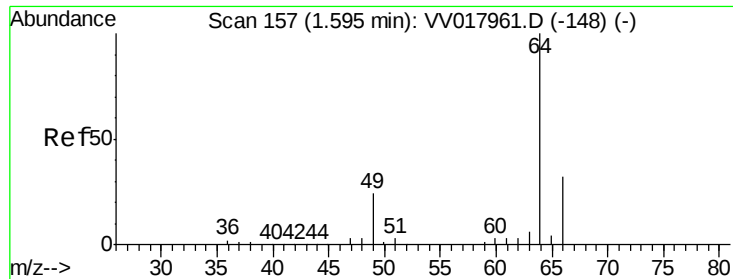
20000

10000

0

Time-->

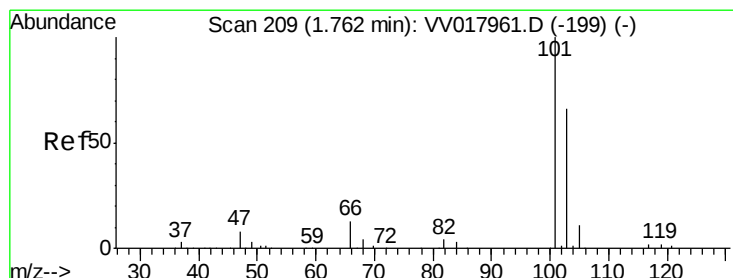
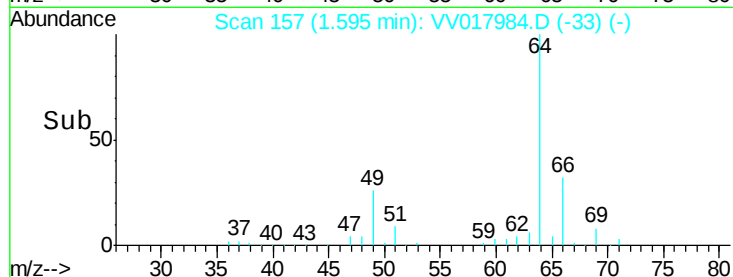
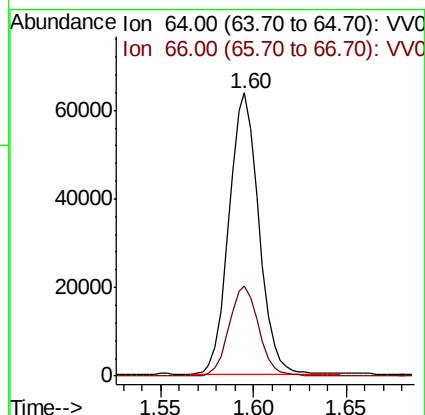
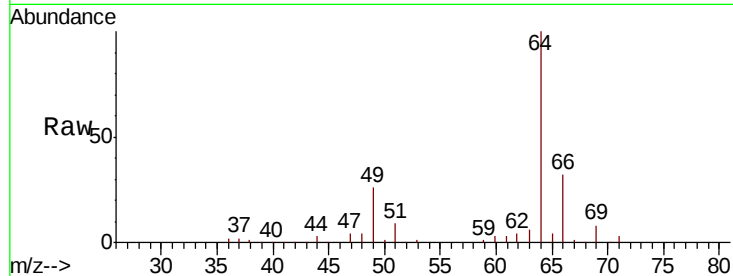




#8
Chloroethane
Concen: 48.952 ug/L
RT: 1.60 min Scan# 157
Delta R.T. 0.00 min
Lab File: VV017984.D
Acq: 14 Aug 2020 09:45

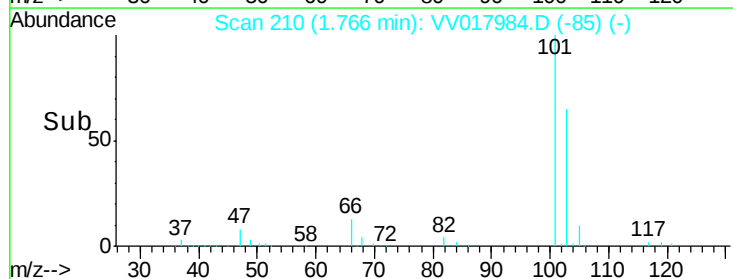
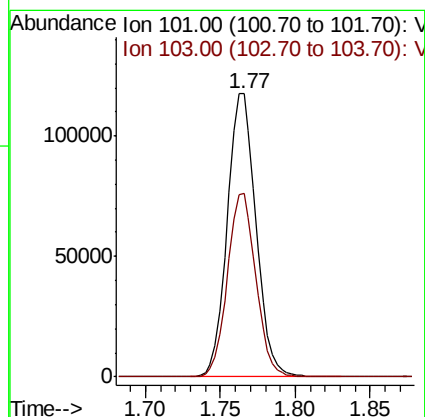
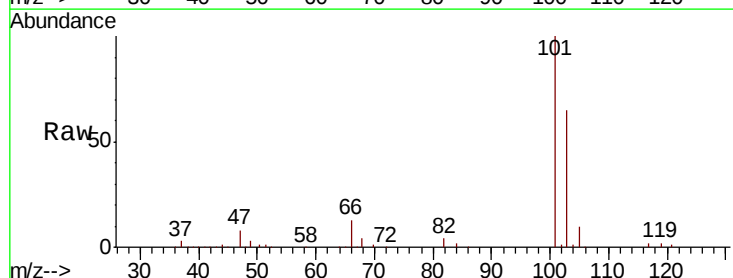
Instrument :
MSVOA_V
ClientSampleId :
VSTD05069

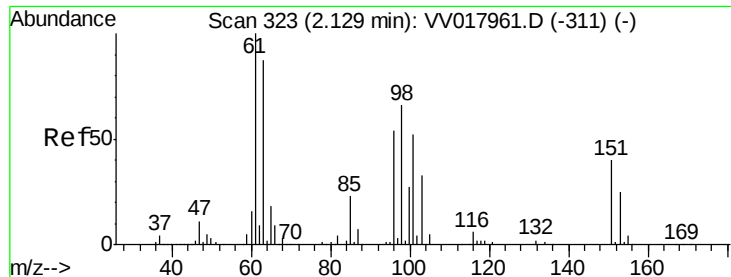
Tot Ion: 64 Resp: 70767
Ion Ratio Lower Upper
64 100
66 31.8 22.3 41.3



#9
Trichlorofluoromethane
Concen: 48.573 ug/L
RT: 1.77 min Scan# 210
Delta R.T. 0.00 min
Lab File: VV017984.D
Acq: 14 Aug 2020 09:45

Tgt Ion: 101 Resp: 157156
Ion Ratio Lower Upper
101 100
103 64.2 51.5 77.3





#10

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

Concen: 51.324 ug/L

RT: 2.13 min Scan# 324

Delta R.T. 0.00 min

Lab File: VV017984.D

Acq: 14 Aug 2020 09:45

Instrument :

MSVOA_V

ClientSampleId :

VSTD05069

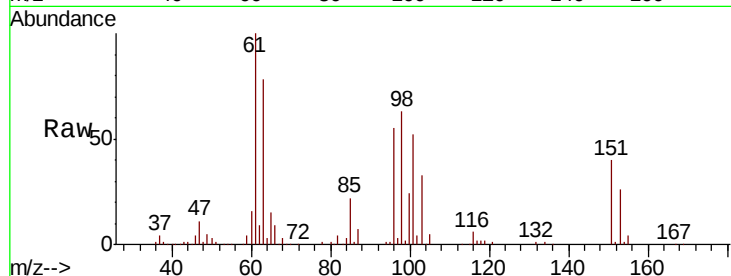
Tot Ion:101 Resp: 92718

Ion Ratio Lower Upper

101 100

85 43.1 34.9 52.3

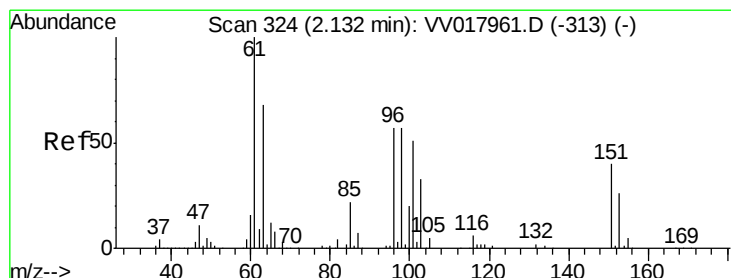
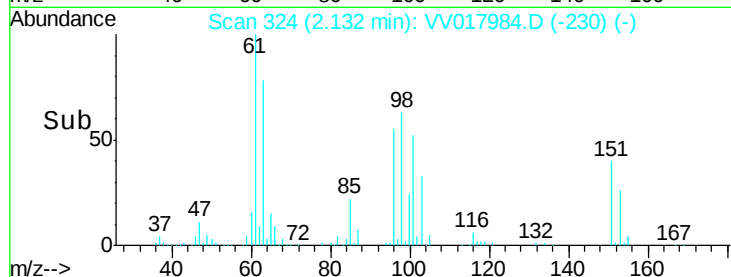
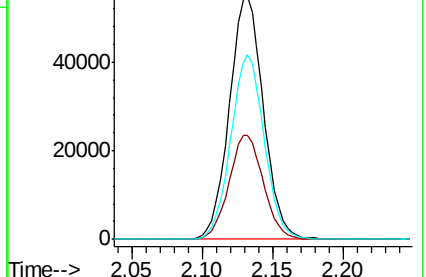
151 74.6 59.1 88.7



Abundance Ion 101.00 (100.70 to 101.70): VV017984.D (-230) (-)

Ion 85.00 (84.70 to 85.70): VV017984.D (-230) (-)

Ion 151.00 (150.70 to 151.70): VV017984.D (-230) (-)



#12

1,1-Dichloroethene

Concen: 49.282 ug/L

RT: 2.13 min Scan# 324

Delta R.T. 0.00 min

Lab File: VV017984.D

Acq: 14 Aug 2020 09:45

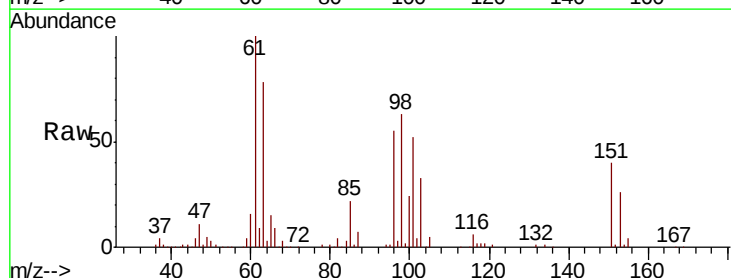
Tgt Ion: 96 Resp: 84267

Ion Ratio Lower Upper

96 100

61 181.0 127.1 236.0

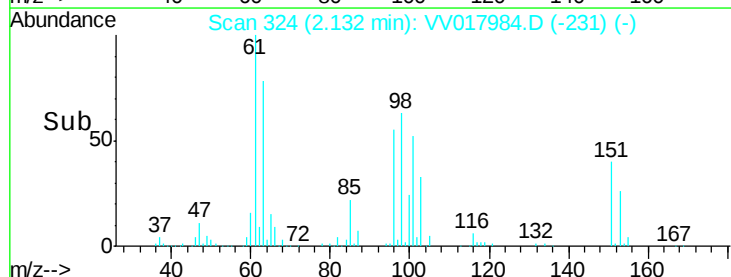
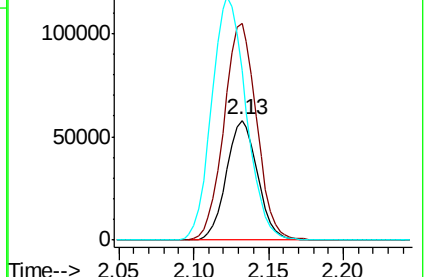
63 141.1 95.2 176.8

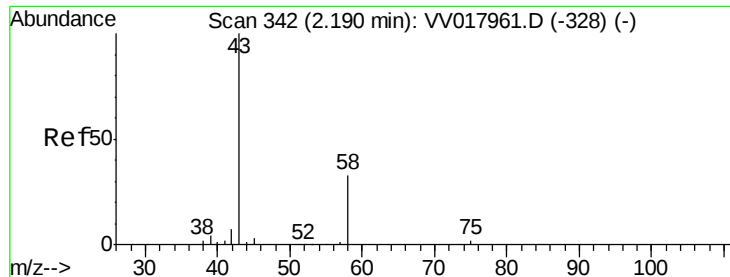


Abundance Ion 96.00 (95.70 to 96.70): VV017984.D (-231) (-)

Ion 61.00 (60.70 to 61.70): VV017984.D (-231) (-)

Ion 63.00 (62.70 to 63.70): VV017984.D (-231) (-)





#13

Acetone

Concen: 118.058 ug/L

RT: 2.19 min Scan# 341

Delta R.T. -0.00 min

Lab File: VV017984.D

Acq: 14 Aug 2020 09:45

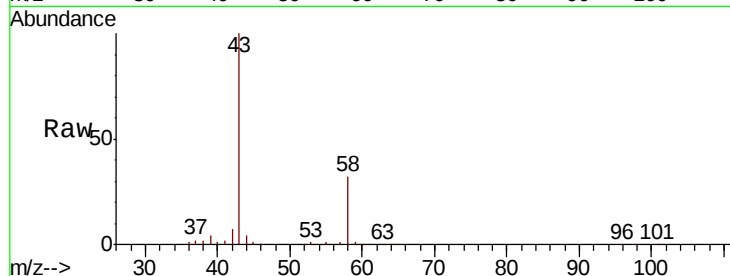
Instrument :
MSVOA_V
ClientSampleId :
VSTD05069

Tot Ion: 43 Resp: 155331

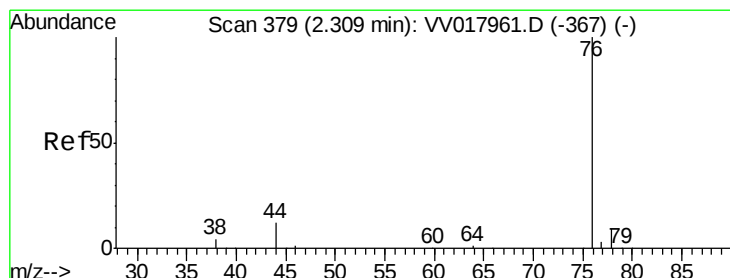
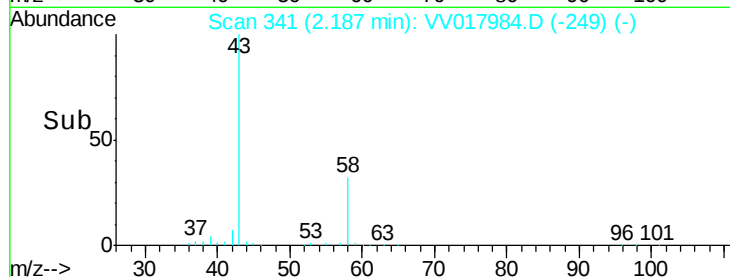
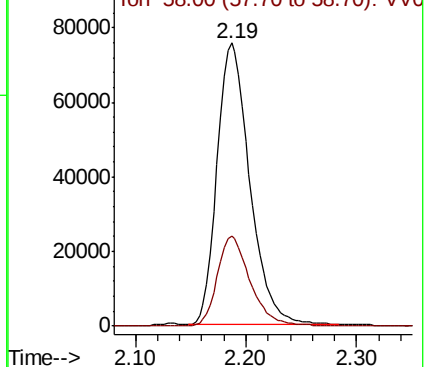
Ion Ratio Lower Upper

43 100

58 31.8 0.0 63.6



Abundance Ion 43.00 (42.70 to 43.70): VV017984.D (-249) (-)



#14

Carbon disulfide

Concen: 50.913 ug/L

RT: 2.31 min Scan# 379

Delta R.T. 0.00 min

Lab File: VV017984.D

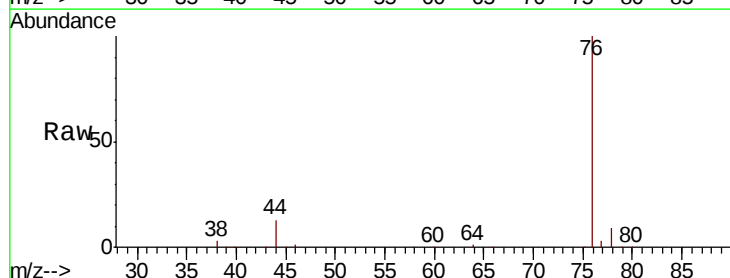
Acq: 14 Aug 2020 09:45

Tgt Ion: 76 Resp: 239602

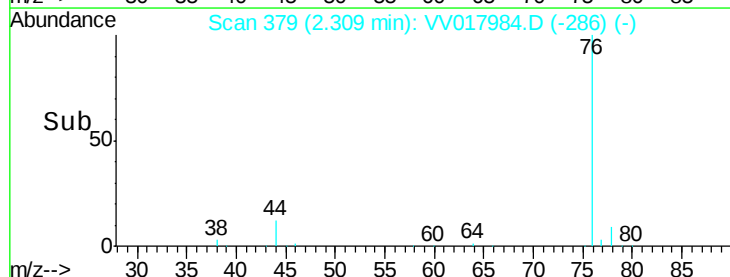
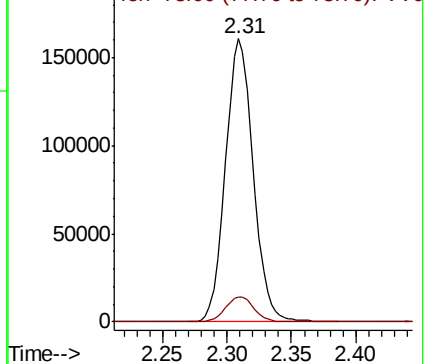
Ion Ratio Lower Upper

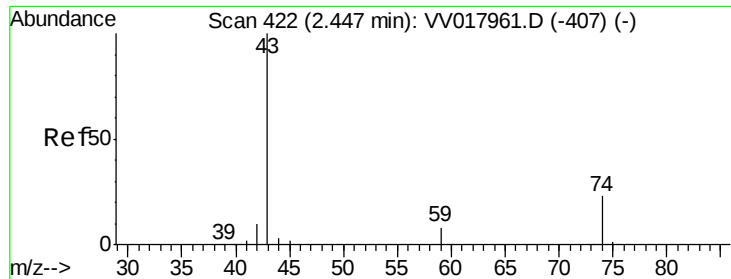
76 100

78 8.9 7.4 11.2



Abundance Ion 76.00 (75.70 to 76.70): VV017984.D (-286) (-)

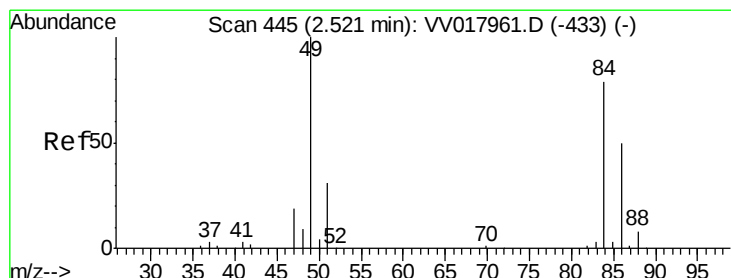
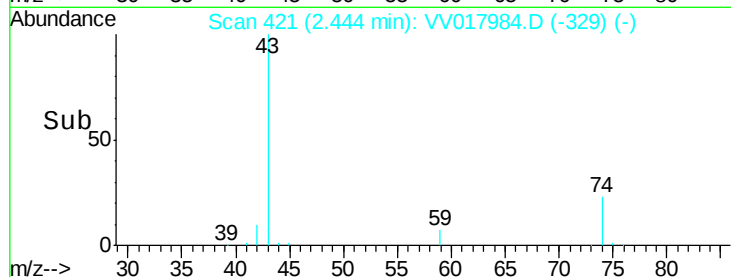
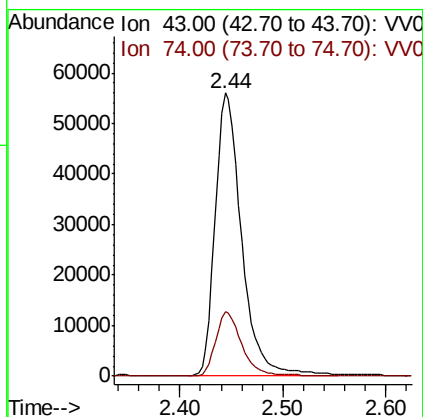
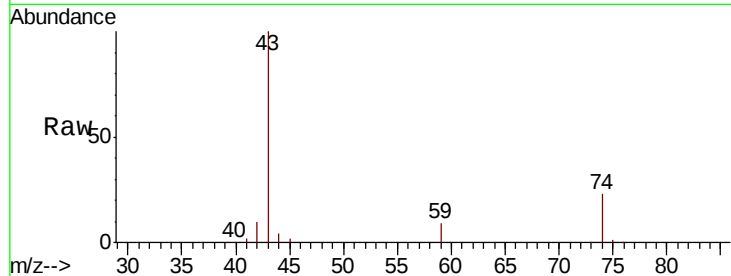




#15
Methvl Acetate
Concen: 46.504 ug/L
RT: 2.44 min Scan# 421
Delta R.T. -0.00 min
Lab File: VV017984.D
Acq: 14 Aug 2020 09:45

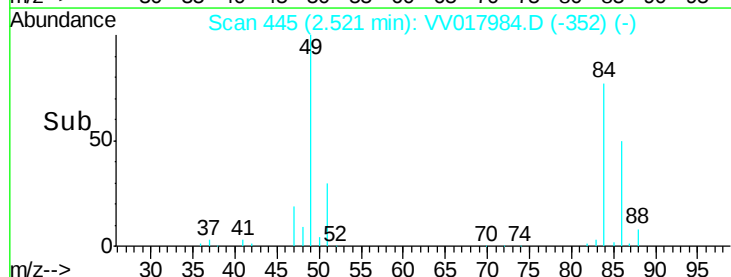
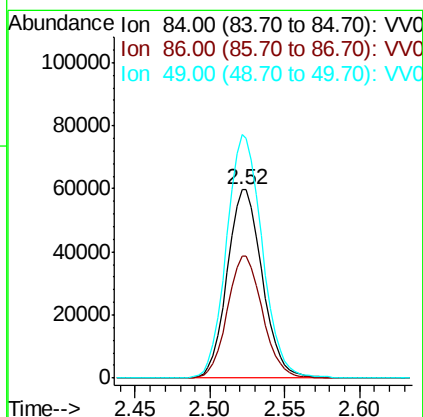
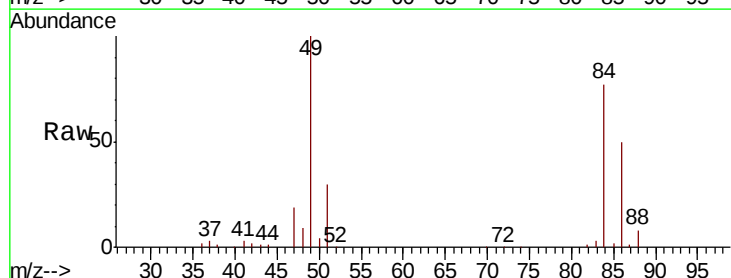
Instrument :
MSVOA_V
ClientSampleId :
VSTD05069

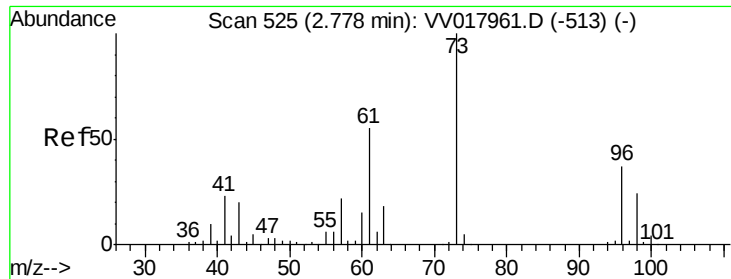
Tot Ion: 43 Resp: 98742
Ion Ratio Lower Upper
43 100
74 22.8 18.4 27.6



#16
Methylene chloride
Concen: 44.957 ug/L
RT: 2.52 min Scan# 445
Delta R.T. 0.00 min
Lab File: VV017984.D
Acq: 14 Aug 2020 09:45

Tgt Ion: 84 Resp: 97934
Ion Ratio Lower Upper
84 100
86 64.9 46.3 85.9
49 129.3 89.7 166.5





#17

trans-1,2-Dichloroethene

Concen: 49.435 ug/L

RT: 2.78 min Scan# 525

Delta R.T. 0.00 min

Lab File: VV017984.D

Acq: 14 Aug 2020 09:45

Instrument :

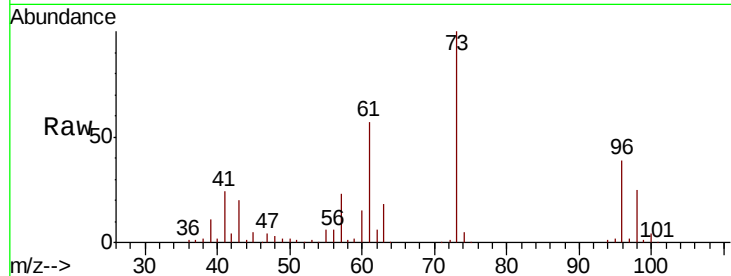
MSVOA_V

ClientSampleId :

VSTD05069

Tot Ion: 96 Resp: 86890

Ion	Ratio	Lower	Upper
96	100		
61	145.8	102.4	190.2
98	63.9	44.4	82.5

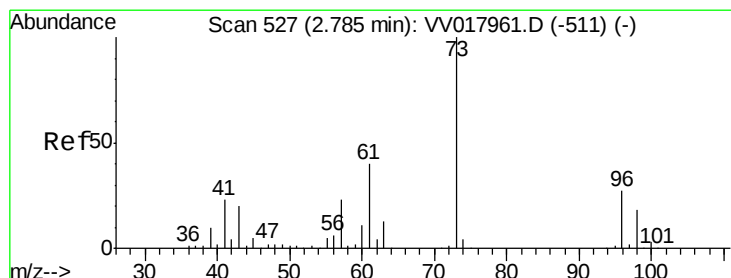
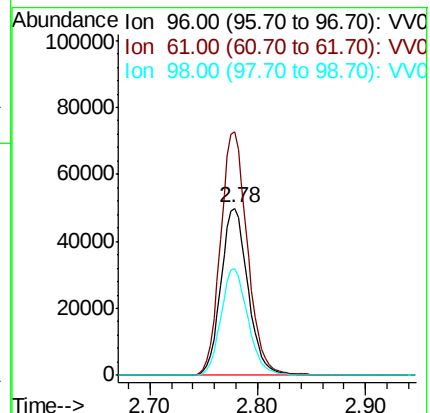
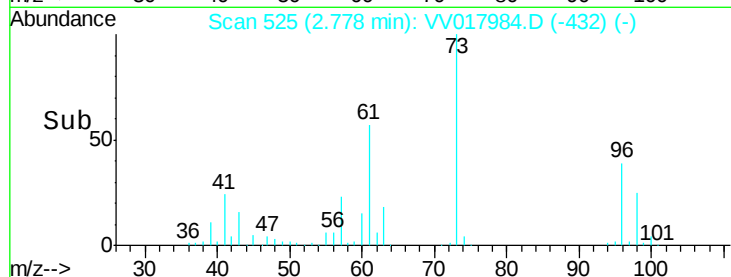


Abundance

Ion 96.00 (95.70 to 96.70): VV0

Ion 61.00 (60.70 to 61.70): VV0

Ion 98.00 (97.70 to 98.70): VV0



#18

Methyl tert-butyl Ether

Concen: 48.586 ug/L

RT: 2.78 min Scan# 527

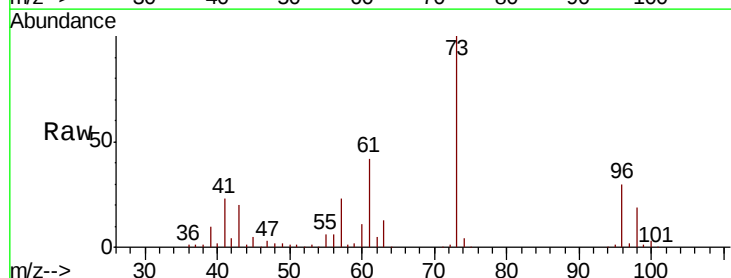
Delta R.T. 0.00 min

Lab File: VV017984.D

Acq: 14 Aug 2020 09:45

Tgt Ion: 73 Resp: 282426

Ion	Ratio	Lower	Upper
73	100		
43	20.2	15.9	23.9
57	23.0	18.1	27.1

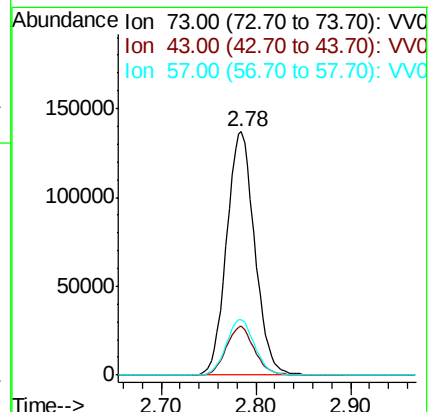
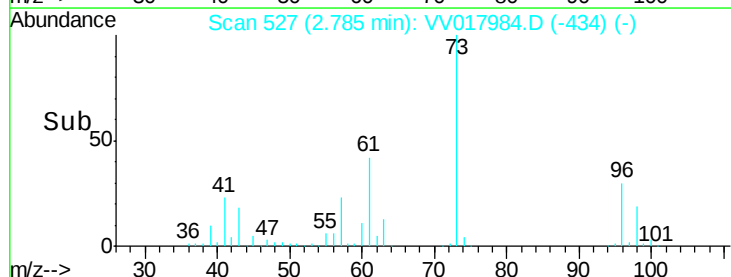


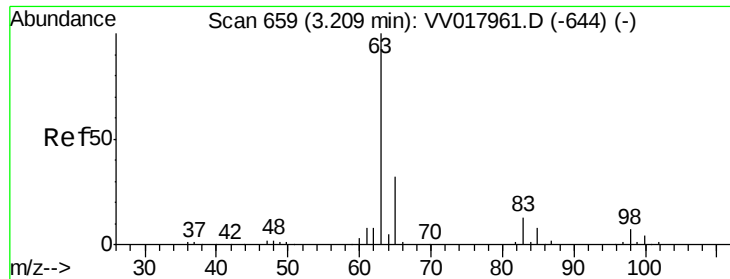
Abundance

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

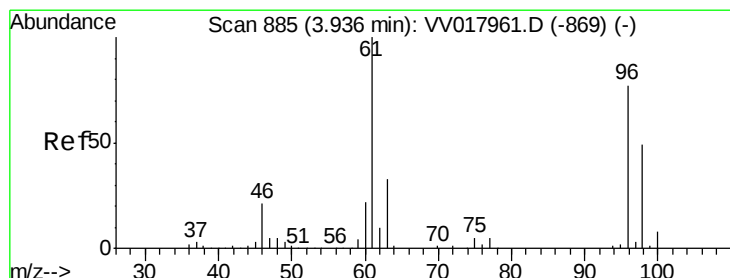
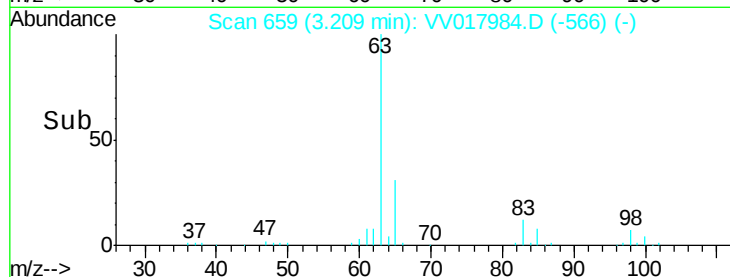
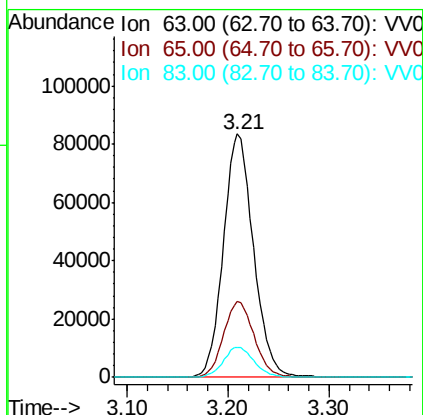
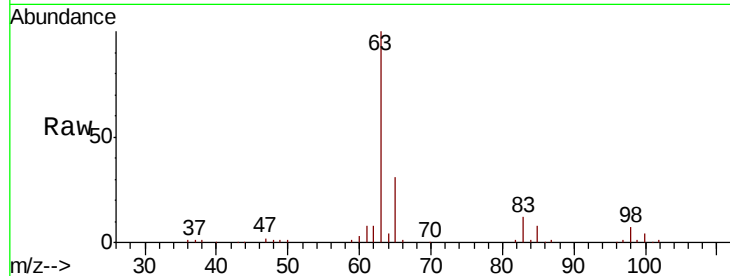




#19
 1,1-Dichloroethane
 Concen: 49.205 ug/L
 RT: 3.21 min Scan# 659
 Delta R.T. 0.00 min
 Lab File: VV017984.D
 Acq: 14 Aug 2020 09:45

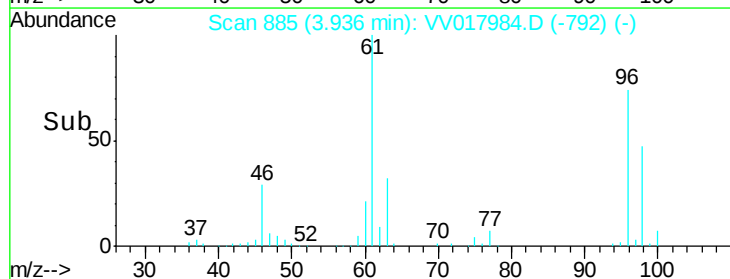
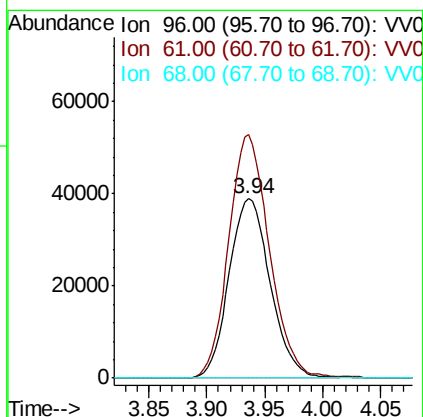
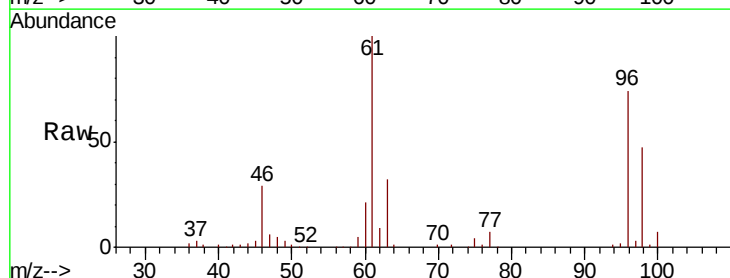
Instrument :
 MSVOA_V
 ClientSampled :
 VSTD05069

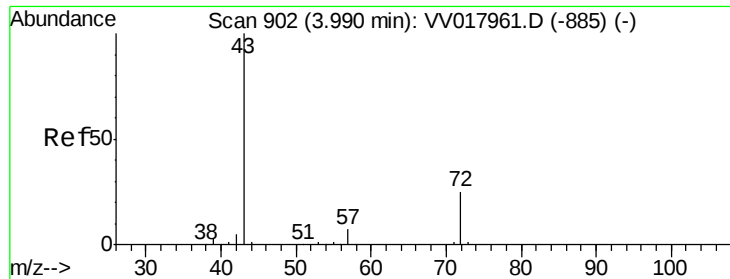
Tot Ion: 63 Resp: 173901
 Ion Ratio Lower Upper
 63 100
 65 31.0 22.5 41.7
 83 12.5 9.2 17.2



#20
 cis-1,2-Dichloroethene
 Concen: 49.858 ug/L
 RT: 3.94 min Scan# 885
 Delta R.T. 0.00 min
 Lab File: VV017984.D
 Acq: 14 Aug 2020 09:45

Tgt Ion: 96 Resp: 96302
 Ion Ratio Lower Upper
 96 100
 61 135.6 95.0 176.4
 68 0.0 0.0 0.0





#22

2-Butanone

Concen: 109.785 ug/L

RT: 3.99 min Scan# 901

Delta R.T. -0.00 min

Lab File: VV017984.D

Acq: 14 Aug 2020 09:45

Instrument :

MSVOA_V

ClientSampleId :

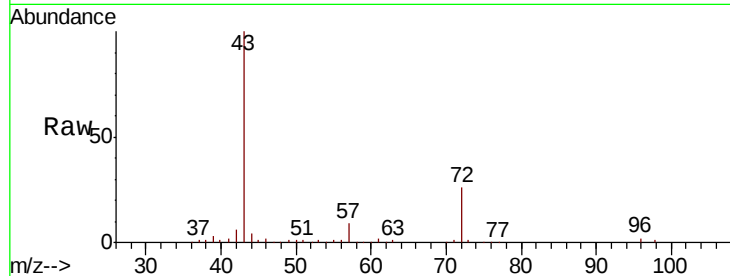
VSTD05069

Tot Ion: 43 Resp: 162045

Ion Ratio Lower Upper

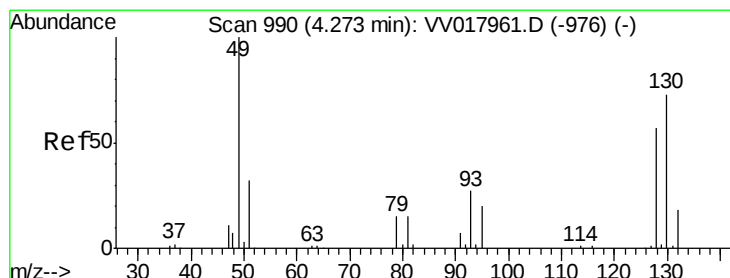
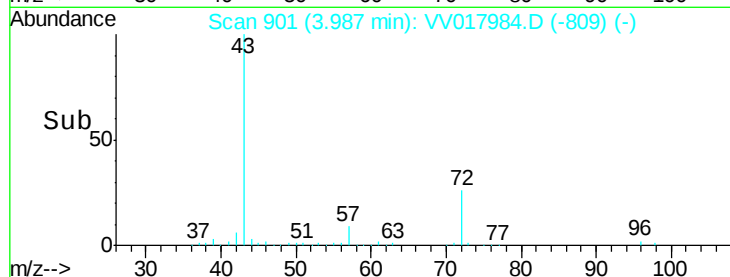
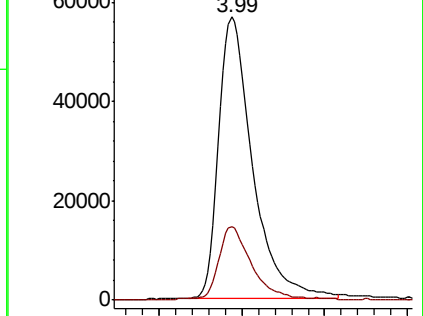
43 100

72 24.5 12.7 38.0



Abundance Ion 43.00 (42.70 to 43.70): VV017984.D (-897) (-)

Ion 72.00 (71.70 to 72.70): VV017984.D (-897) (-)



#23

Bromochloromethane

Concen: 50.415 ug/L

RT: 4.27 min Scan# 990

Delta R.T. 0.00 min

Lab File: VV017984.D

Acq: 14 Aug 2020 09:45

Tgt Ion: 128 Resp: 50870

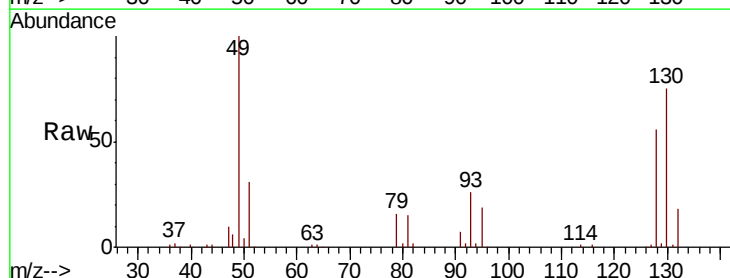
Ion Ratio Lower Upper

128 100

49 177.8 125.6 233.3

130 133.0 89.9 167.0

51 55.0 45.8 68.6

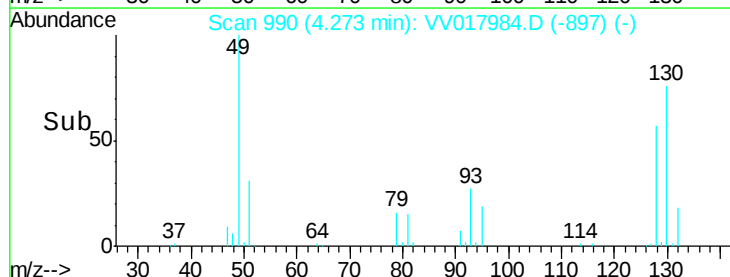
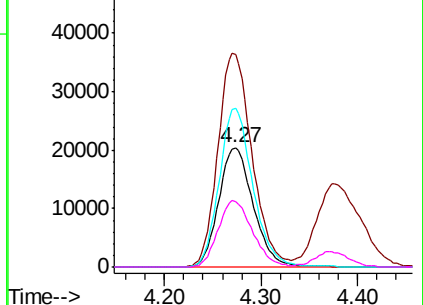


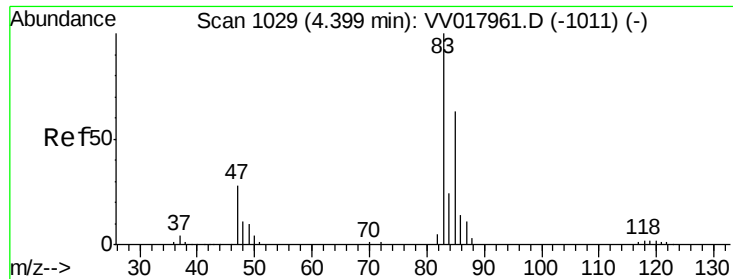
Abundance Ion 128.00 (127.70 to 128.70): VV017984.D (-897) (-)

Ion 49.00 (48.70 to 49.70): VV017984.D (-897) (-)

Ion 130.00 (129.70 to 130.70): VV017984.D (-897) (-)

Ion 51.00 (50.70 to 51.70): VV017984.D (-897) (-)

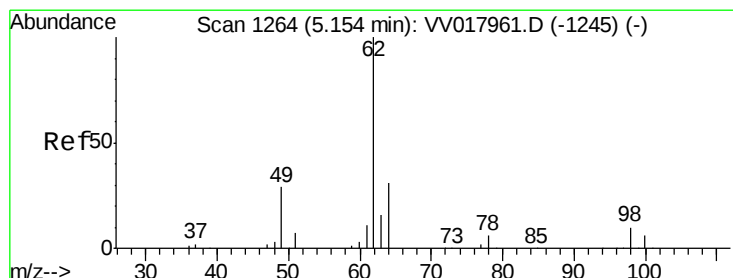
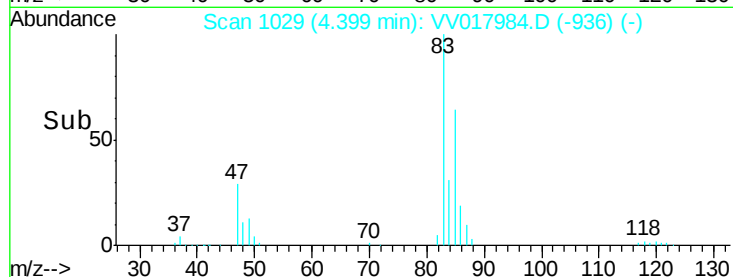
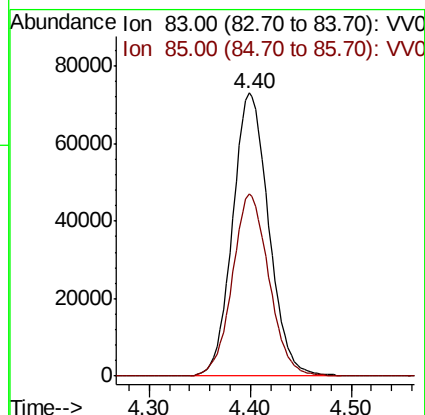
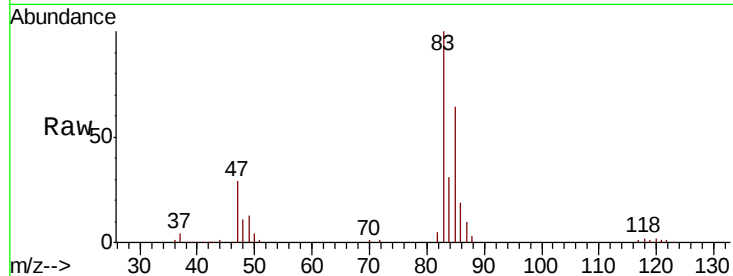




#25
Chloroform
Concen: 50.389 ug/L
RT: 4.40 min Scan# 1029
Delta R.T. 0.00 min
Lab File: VV017984.D
Acq: 14 Aug 2020 09:45

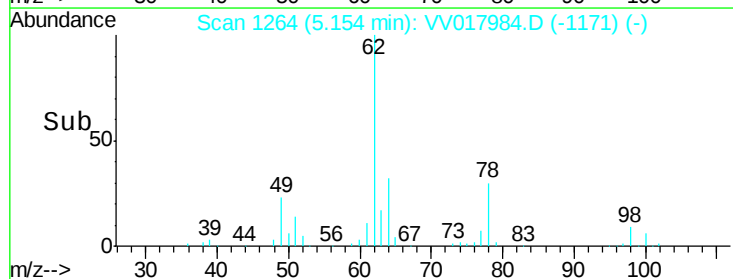
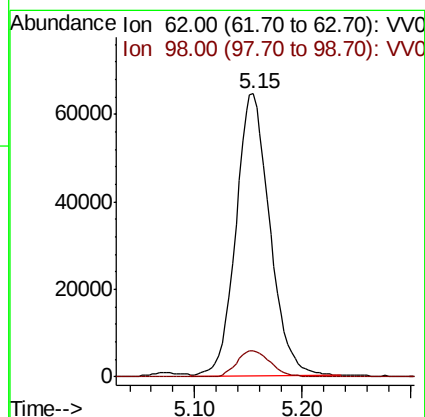
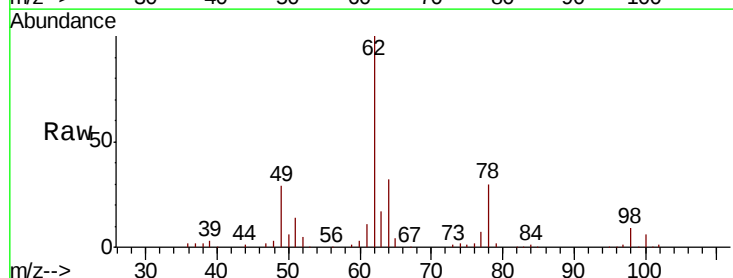
Instrument :
MSVOA_V
ClientSampleId :
VSTD05069

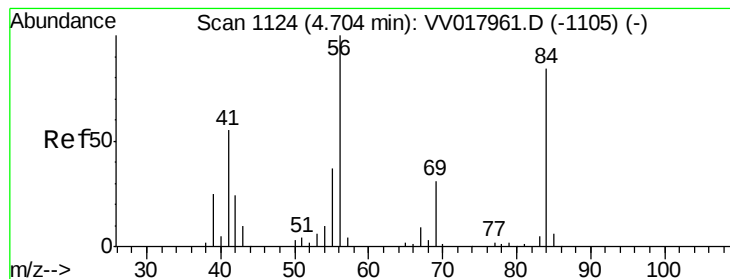
Tot Ion: 83 Resp: 181643
Ion Ratio Lower Upper
83 100
85 64.5 45.5 84.5



#27
1,2-Dichloroethane
Concen: 49.256 ug/L
RT: 5.15 min Scan# 1264
Delta R.T. 0.00 min
Lab File: VV017984.D
Acq: 14 Aug 2020 09:45

Tgt Ion: 62 Resp: 141329
Ion Ratio Lower Upper
62 100
98 9.3 7.1 10.7





#29

Cyclohexane

Concen: 47.642 ug/L

RT: 4.70 min Scan# 1124

Delta R.T. 0.00 min

Lab File: VV017984.D

Acq: 14 Aug 2020 09:45

Instrument :

MSVOA_V

ClientSampleId :

VSTD05069

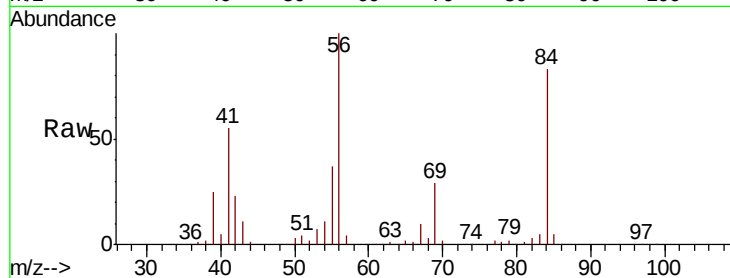
Tot Ion: 56 Resp: 147766

Ion Ratio Lower Upper

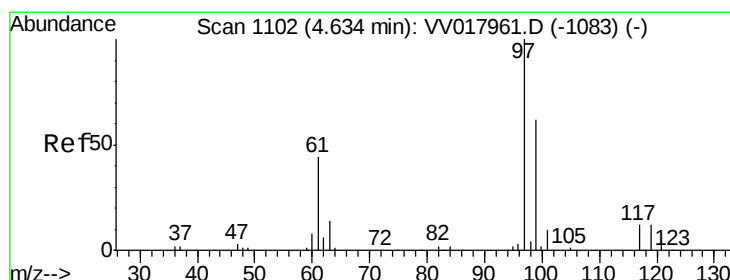
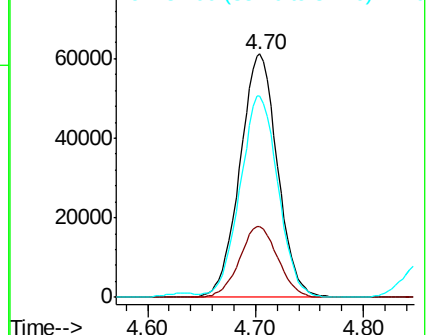
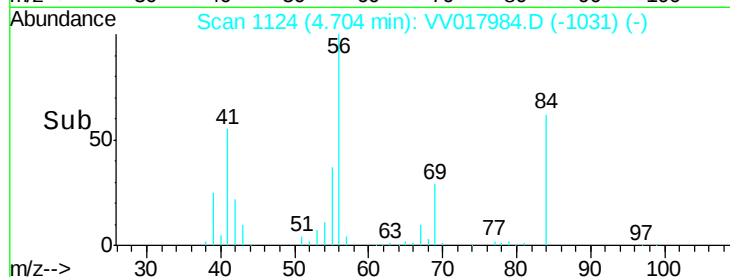
56 100

69 29.7 23.8 35.8

84 84.2 66.8 100.2



Abundance Ion 56.00 (55.70 to 56.70): VV017984.D (-1031) (-)



#30

1,1,1-Trichloroethane

Concen: 47.683 ug/L

RT: 4.63 min Scan# 1102

Delta R.T. 0.00 min

Lab File: VV017984.D

Acq: 14 Aug 2020 09:45

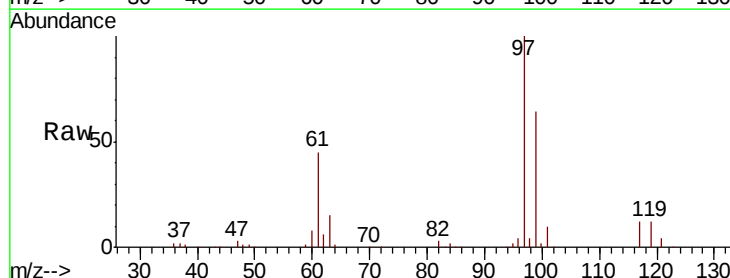
Tgt Ion: 97 Resp: 150164

Ion Ratio Lower Upper

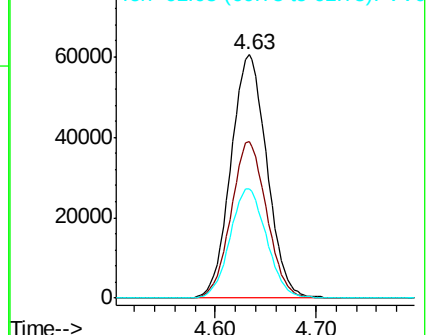
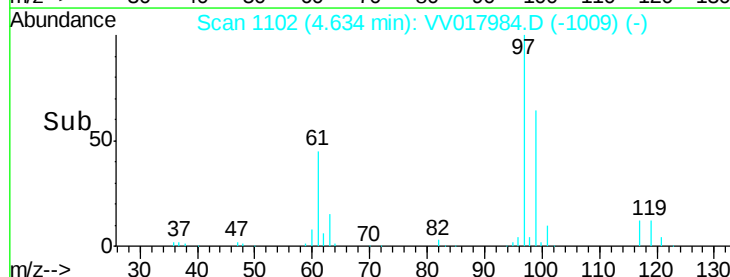
97 100

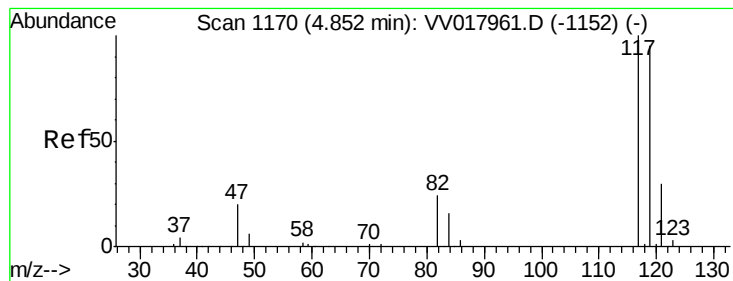
99 63.5 50.6 76.0

61 45.7 37.0 55.6



Abundance Ion 97.00 (96.70 to 97.70): VV017984.D (-1009) (-)





#31

Carbon tetrachloride

Concen: 49.186 ug/L

RT: 4.85 min Scan# 1170

Delta R.T. 0.00 min

Lab File: VV017984.D

Acq: 14 Aug 2020 09:45

Instrument :

MSVOA_V

ClientSampleId :

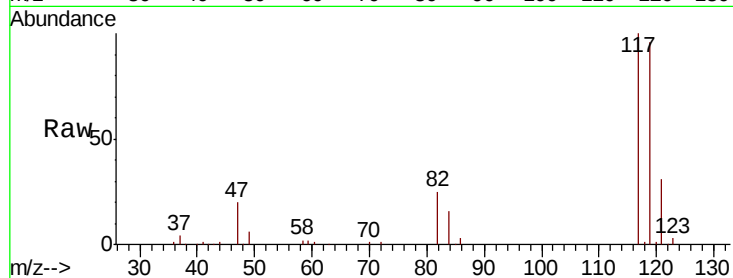
VSTD05069

Tot Ion:117 Resp: 128947

Ion Ratio Lower Upper

117 100

119 95.9 77.0 115.6



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

4.85

60000

50000

40000

30000

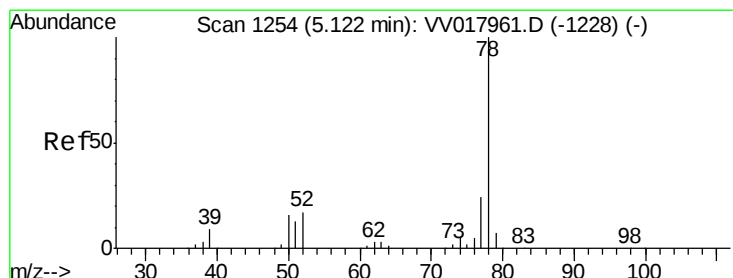
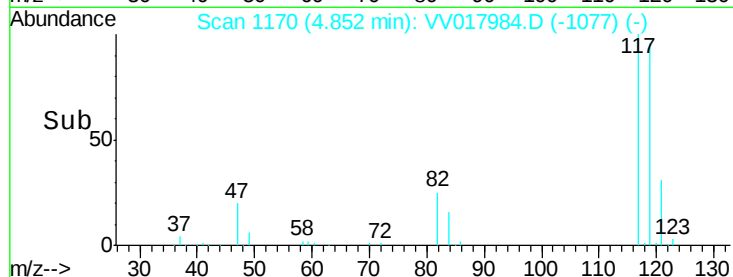
20000

10000

0

4.75 4.80 4.85 4.90 4.95

Time-->



#33

Benzene

Concen: 47.440 ug/L

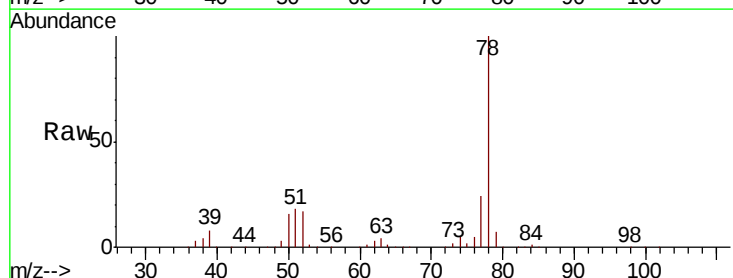
RT: 5.12 min Scan# 1254

Delta R.T. 0.00 min

Lab File: VV017984.D

Acq: 14 Aug 2020 09:45

Tgt Ion: 78 Resp: 377177



Abundance Ion 78.00 (77.70 to 78.70): VV0

200000

150000

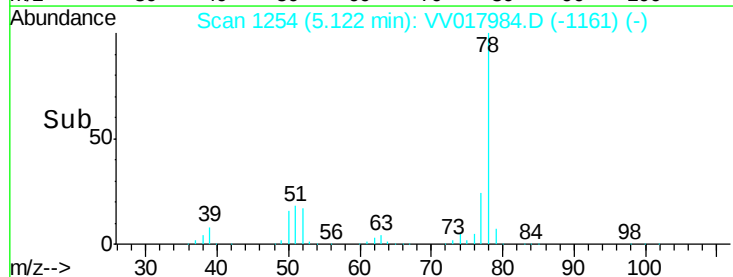
100000

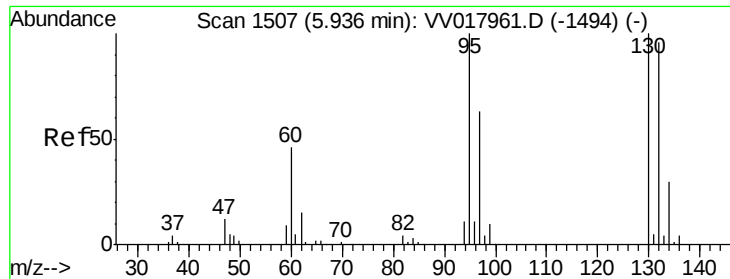
50000

0

5.00 5.10 5.20

Time-->





#34

Trichloroethene

Concen: 47.054 ug/L

RT: 5.94 min Scan# 1507

Delta R.T. 0.00 min

Lab File: VV017984.D

Acq: 14 Aug 2020 09:45

Instrument :

MSVOA_V

ClientSampleId :

VSTD05069

Tot Ion: 95 Resp: 98889

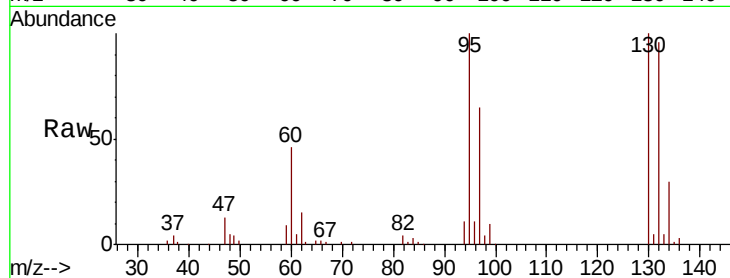
Ion Ratio Lower Upper

95 100

97 65.4 46.0 85.4

132 96.5 65.8 122.2

130 99.9 69.2 128.6

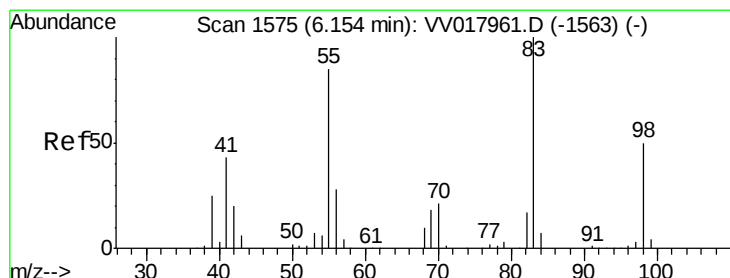
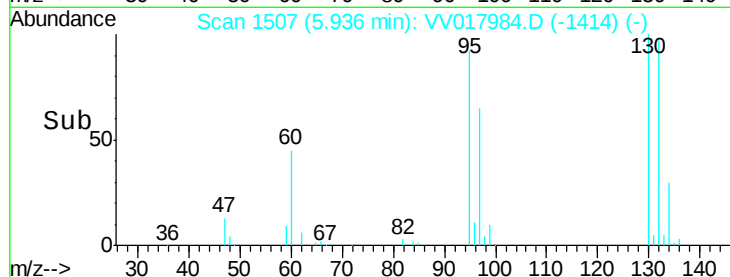
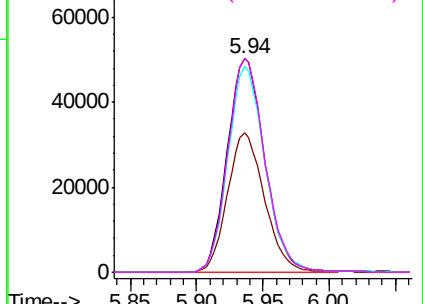


Abundance Ion 95.00 (94.70 to 95.70): VV017961.D (-1494) (-)

Ion 97.00 (96.70 to 97.70): VV017961.D (-1494) (-)

Ion 132.00 (131.70 to 132.70): VV017961.D (-1494) (-)

Ion 130.00 (129.70 to 130.70): VV017961.D (-1494) (-)



#35

Methylcyclohexane

Concen: 48.210 ug/L

RT: 6.15 min Scan# 1575

Delta R.T. 0.00 min

Lab File: VV017984.D

Acq: 14 Aug 2020 09:45

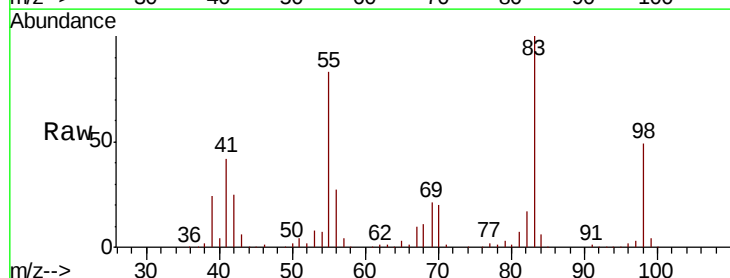
Tgt Ion: 83 Resp: 150656

Ion Ratio Lower Upper

83 100

55 83.2 64.9 97.3

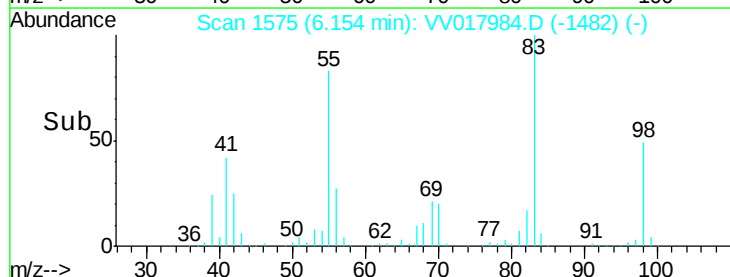
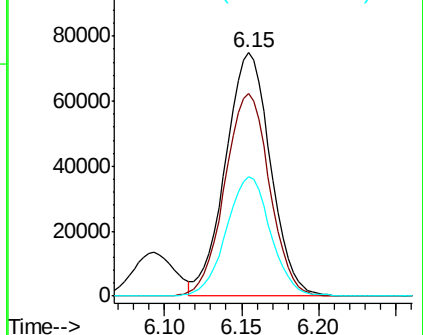
98 48.7 38.7 58.1

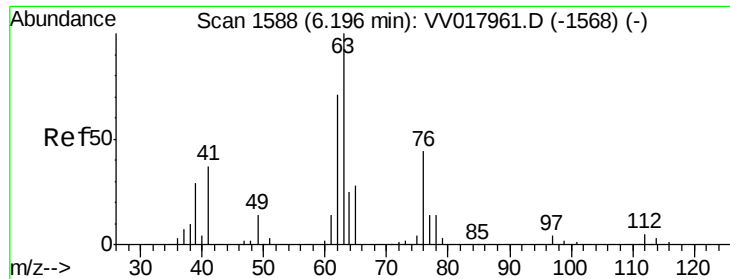


Abundance Ion 83.00 (82.70 to 83.70): VV017961.D (-1563) (-)

Ion 55.00 (54.70 to 55.70): VV017961.D (-1563) (-)

Ion 98.00 (97.70 to 98.70): VV017961.D (-1563) (-)

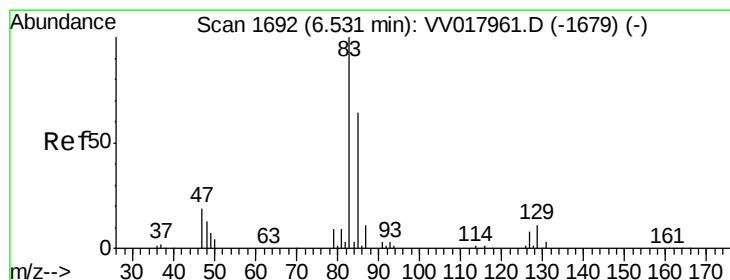
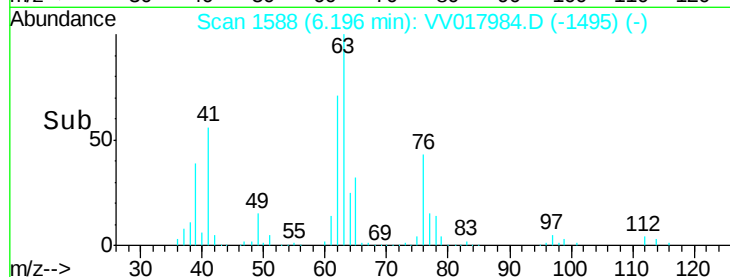
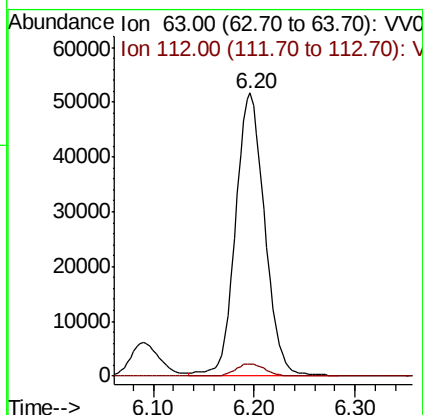
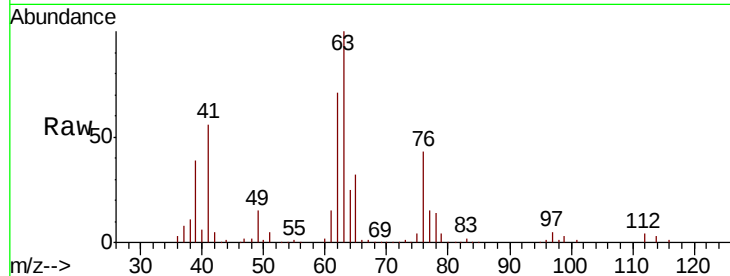




#37
 1,2-Dichloropropane
 Concen: 47.543 ug/L
 RT: 6.20 min Scan# 1588
 Delta R.T. 0.00 min
 Lab File: VV017984.D
 Acq: 14 Aug 2020 09:45

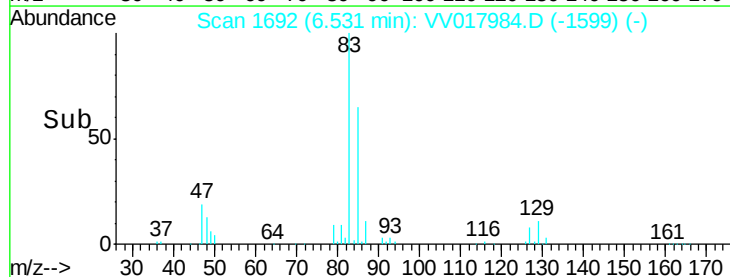
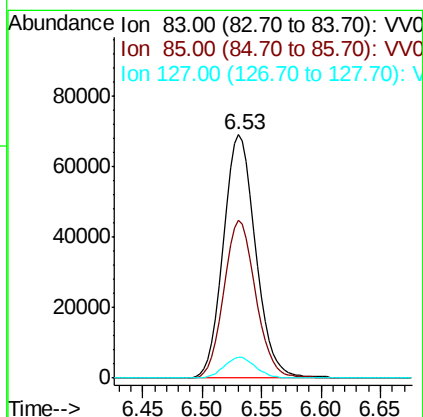
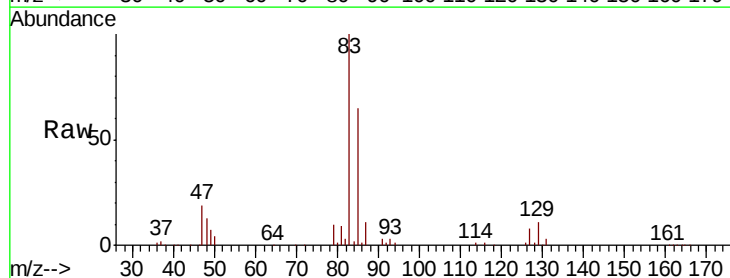
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05069

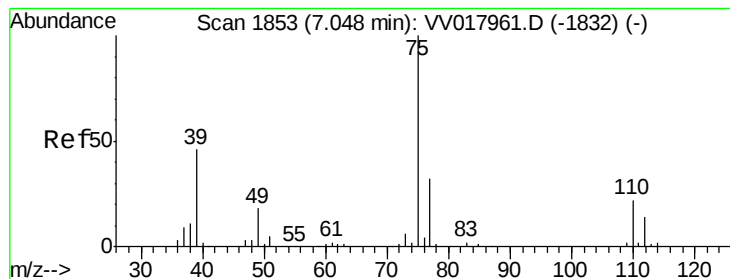
Tot Ion: 63 Resp: 103084
 Ion Ratio Lower Upper
 63 100
 112 4.5 3.5 5.3



#38
 Bromodichloromethane
 Concen: 48.336 ug/L
 RT: 6.53 min Scan# 1692
 Delta R.T. 0.00 min
 Lab File: VV017984.D
 Acq: 14 Aug 2020 09:45

Tgt Ion: 83 Resp: 130179
 Ion Ratio Lower Upper
 83 100
 85 64.6 44.3 82.3
 127 8.4 6.5 9.7



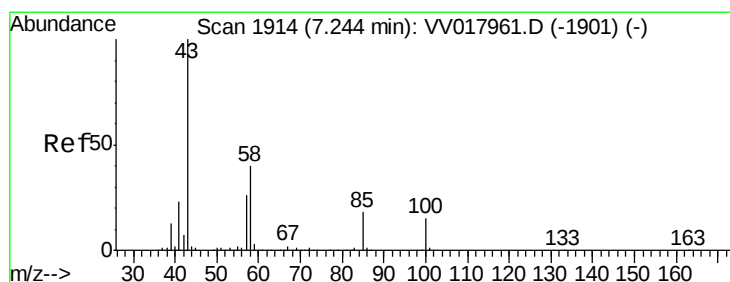
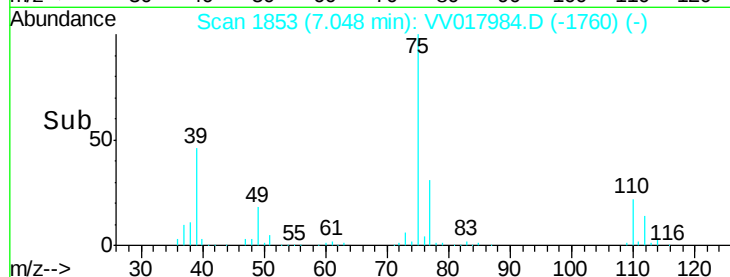
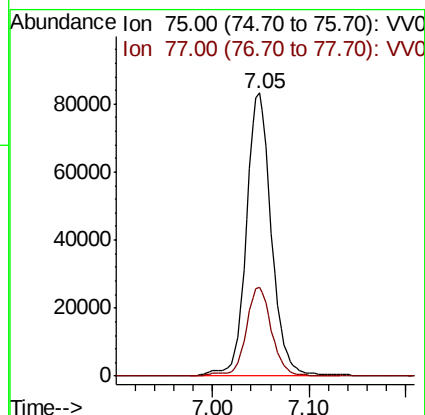
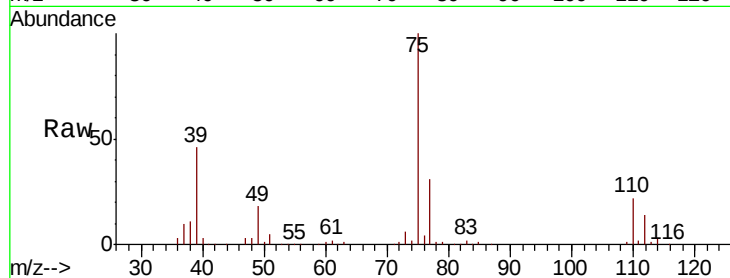


#39

cis-1,3-Dichloropropene
 Concen: 48.765 ug/L
 RT: 7.05 min Scan# 1853
 Delta R.T. 0.00 min
 Lab File: VV017984.D
 Acq: 14 Aug 2020 09:45

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05069

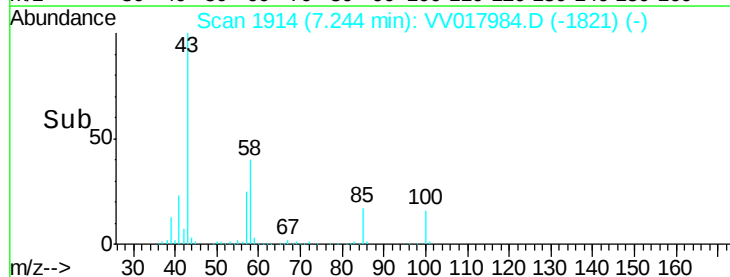
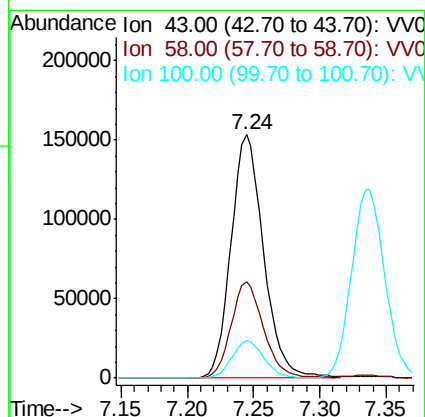
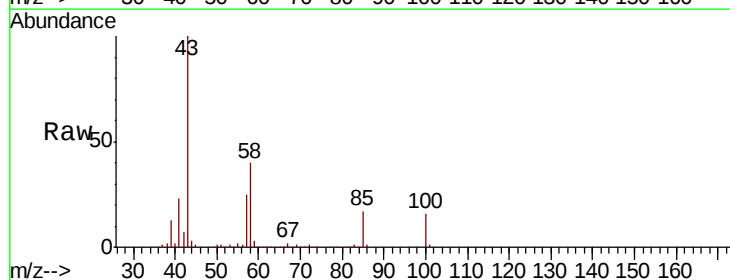
Tot Ion: 75 Resp: 149892
 Ion Ratio Lower Upper
 75 100
 77 31.4 22.3 41.5

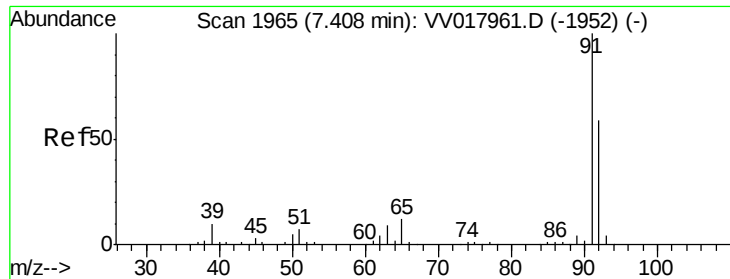


#40

4-Methyl-2-pentanone
 Concen: 92.421 ug/L
 RT: 7.24 min Scan# 1914
 Delta R.T. 0.00 min
 Lab File: VV017984.D
 Acq: 14 Aug 2020 09:45

Tgt Ion: 43 Resp: 261961
 Ion Ratio Lower Upper
 43 100
 58 39.3 31.9 47.9
 100 15.3 12.2 18.2





#42

Toluene

Concen: 48.310 ug/L

RT: 7.41 min Scan# 1965

Delta R.T. 0.00 min

Lab File: VV017984.D

Acq: 14 Aug 2020 09:45

Instrument :

MSVOA_V

ClientSampleId :

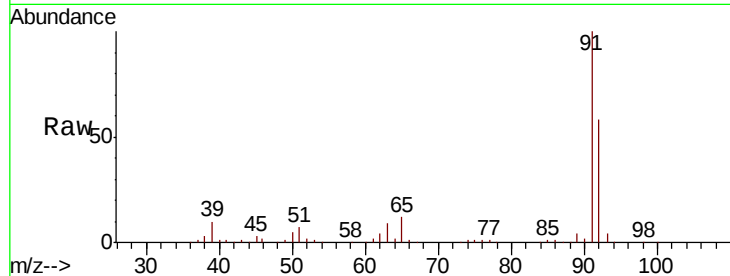
VSTD05069

Tot Ion: 91 Resp: 400796

Ion Ratio Lower Upper

91 100

92 58.2 40.6 75.4



Abundance Ion 91.00 (90.70 to 91.70): VV0

Ion 92.00 (91.70 to 92.70): VV0

7.41

250000

200000

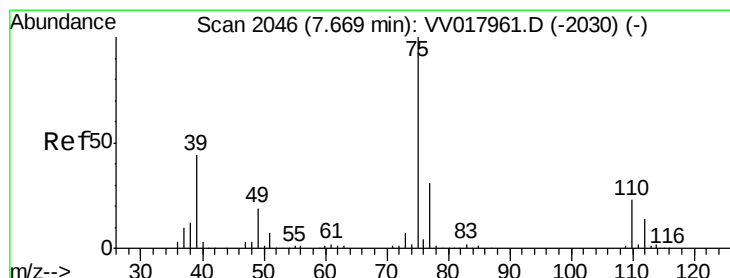
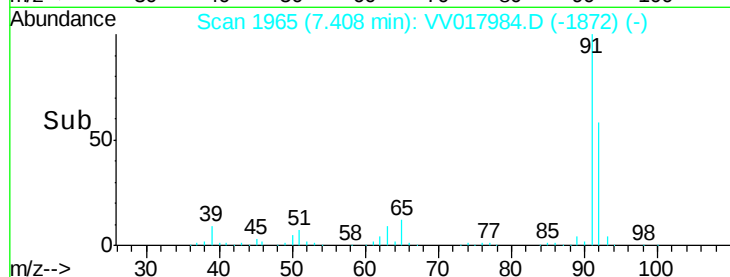
150000

100000

50000

0

Time--> 7.30 7.40 7.50



#44

trans-1,3-Dichloropropene

Concen: 50.887 ug/L

RT: 7.67 min Scan# 2046

Delta R.T. 0.00 min

Lab File: VV017984.D

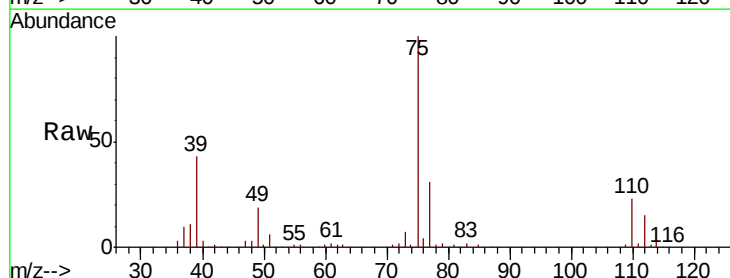
Acq: 14 Aug 2020 09:45

Tgt Ion: 75 Resp: 148406

Ion Ratio Lower Upper

75 100

77 31.2 22.3 41.5



Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 77.00 (76.70 to 77.70): VV0

100000

80000

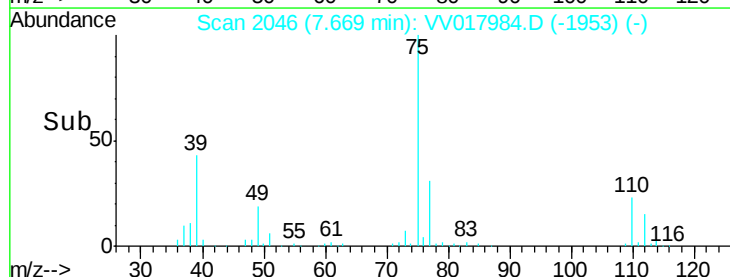
60000

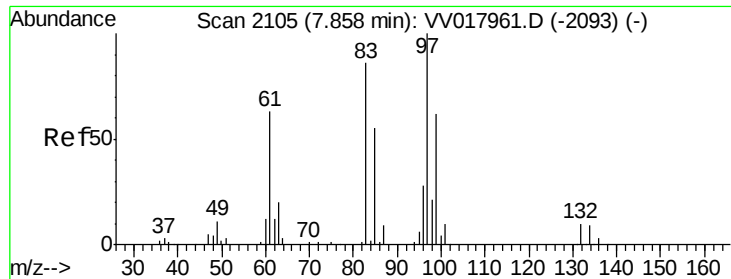
40000

20000

0

Time--> 7.60 7.70 7.80

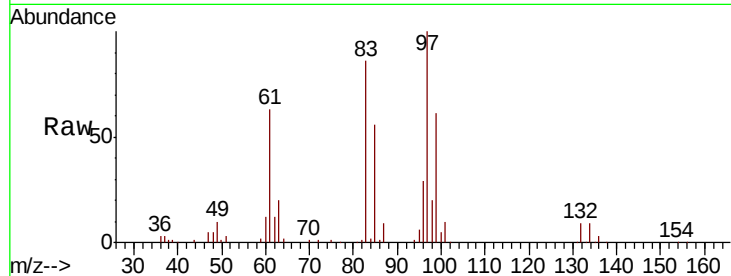




#45
 1,1,2-Trichloroethane
 Concen: 47.393 ug/L
 RT: 7.86 min Scan# 2105
 Delta R.T. 0.00 min
 Lab File: VV017984.D
 Acq: 14 Aug 2020 09:45

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05069

Tot Ion:	97	Resp:	95163
Ion	Ratio	Lower	Upper
97	100		
99	60.6	44.2	82.2
83	86.0	61.0	113.4
85	56.3	39.5	73.4



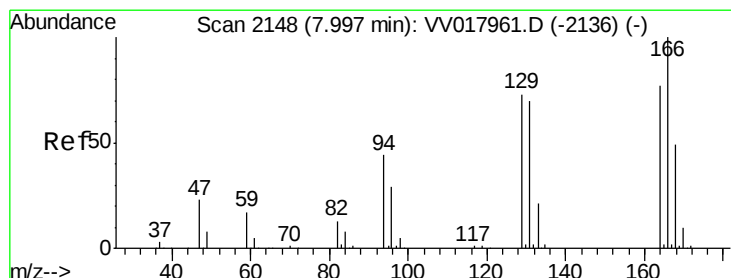
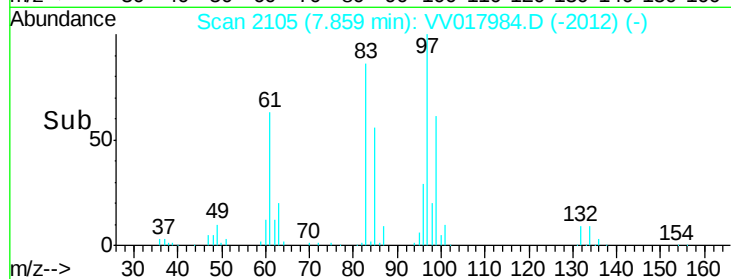
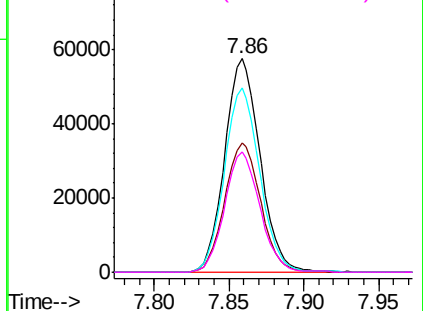
Abundance

Ion 97.00 (96.70 to 97.70): VV0

Ion 99.00 (98.70 to 99.70): VV0

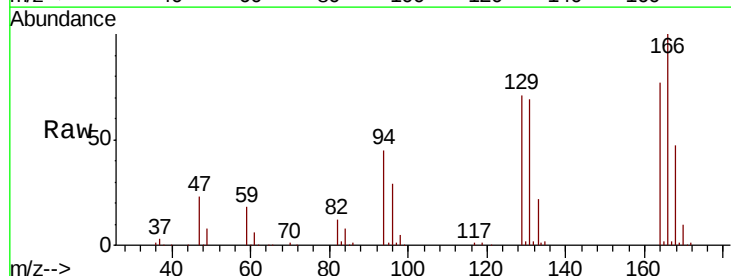
Ion 83.00 (82.70 to 83.70): VV0

Ion 85.00 (84.70 to 85.70): VV0



#46
 Tetrachloroethene
 Concen: 50.118 ug/L
 RT: 8.00 min Scan# 2148
 Delta R.T. 0.00 min
 Lab File: VV017984.D
 Acq: 14 Aug 2020 09:45

Tgt Ion:	164	Resp:	77246
Ion	Ratio	Lower	Upper
164	100		
129	92.0	64.8	120.3
131	89.4	64.5	119.9
166	130.4	88.9	165.1



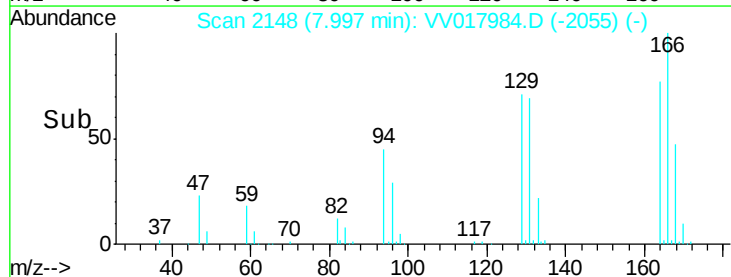
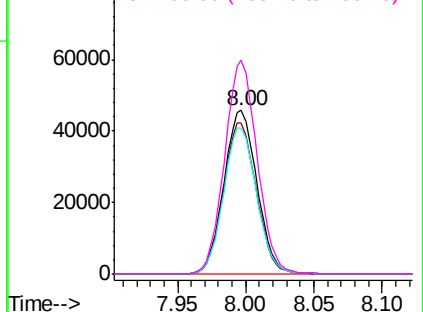
Abundance

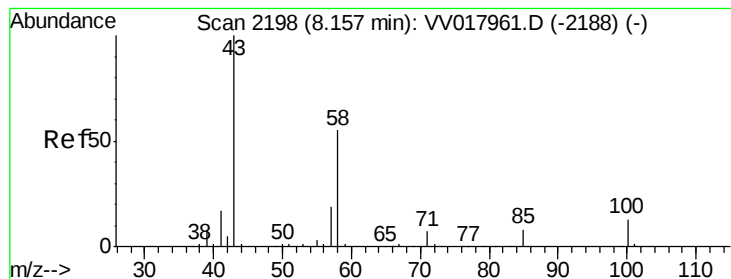
Ion 164.00 (163.70 to 164.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V

Ion 166.00 (165.70 to 166.70): V





#48

2-Hexanone

Concen: 100.612 ug/L

RT: 8.16 min Scan# 2198

Delta R.T. 0.00 min

Lab File: VV017984.D

Acq: 14 Aug 2020 09:45

Instrument :
MSVOA_V
ClientSampleId :
VSTD05069

Tot Ion: 43 Resp: 229964

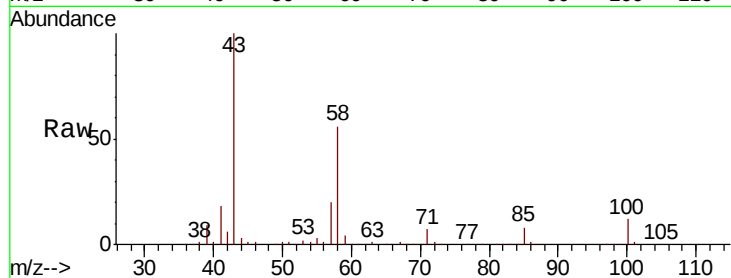
Ion Ratio Lower Upper

43 100

58 55.3 44.4 66.6

57 19.4 15.2 22.8

100 11.9 9.8 14.6

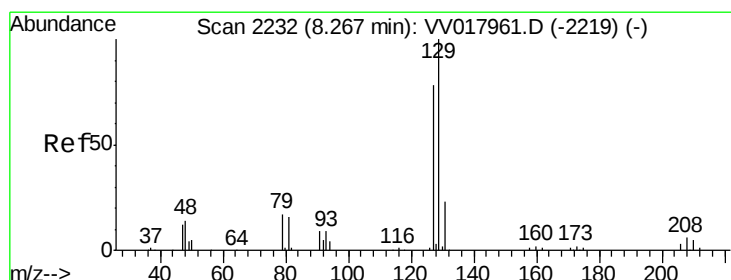
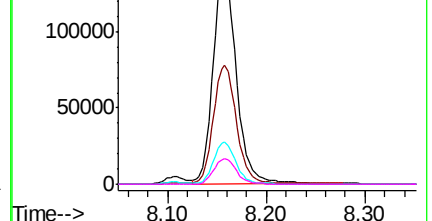
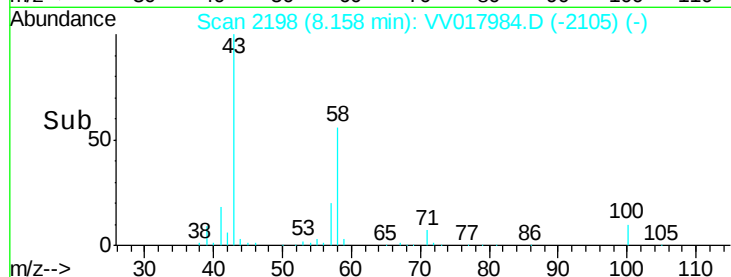


Abundance Ion 43.00 (42.70 to 43.70): VV017961.D (-2188) (-)

Ion 58.00 (57.70 to 58.70): VV017961.D (-2188) (-)

Ion 57.00 (56.70 to 57.70): VV017961.D (-2188) (-)

Ion 100.00 (99.70 to 100.70): VV017961.D (-2188) (-)



#49

Dibromochloromethane

Concen: 50.537 ug/L

RT: 8.27 min Scan# 2232

Delta R.T. 0.00 min

Lab File: VV017984.D

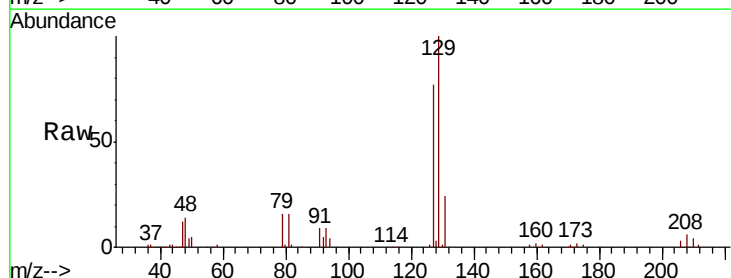
Acq: 14 Aug 2020 09:45

Tgt Ion: 129 Resp: 99050

Ion Ratio Lower Upper

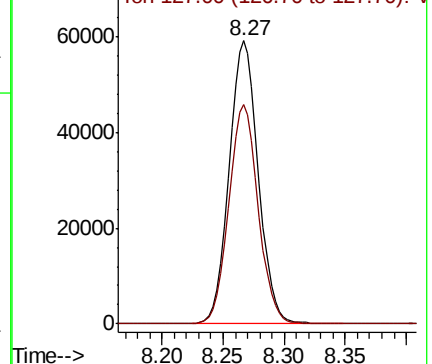
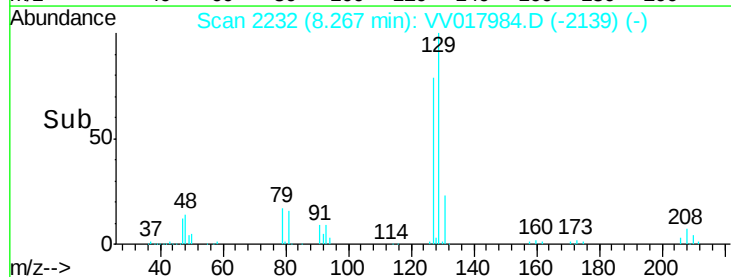
129 100

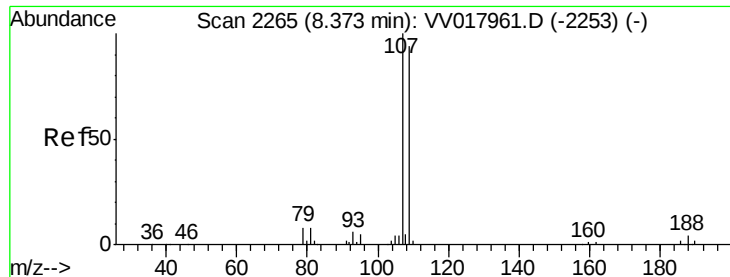
127 77.5 54.9 101.9



Abundance Ion 129.00 (128.70 to 129.70): VV017961.D (-2219) (-)

Ion 127.00 (126.70 to 127.70): VV017961.D (-2219) (-)

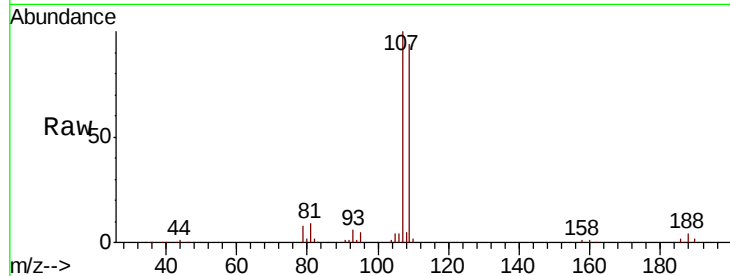




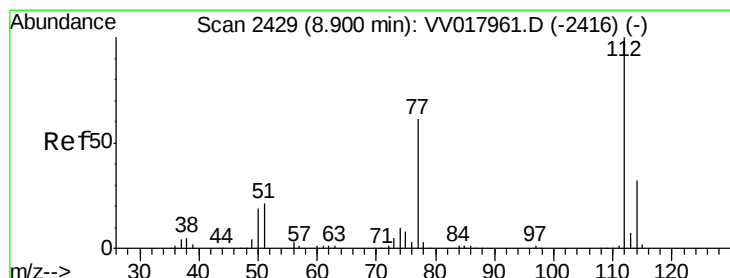
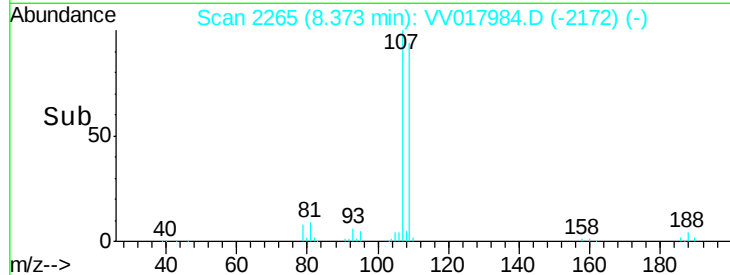
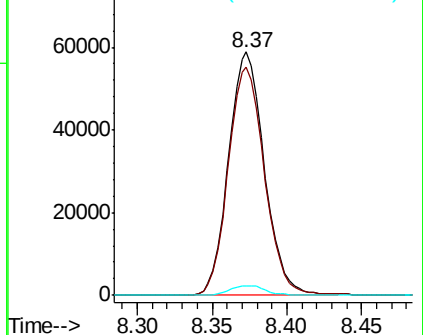
#50
 1,2-Dibromoethane
 Concen: 47.278 ug/L
 RT: 8.37 min Scan# 2265
 Delta R.T. 0.00 min
 Lab File: VV017984.D
 Acq: 14 Aug 2020 09:45

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05069

Tot Ion	Ratio	Lower	Upper
107	100		
109	93.7	67.5	125.4
188	4.0	3.4	5.0

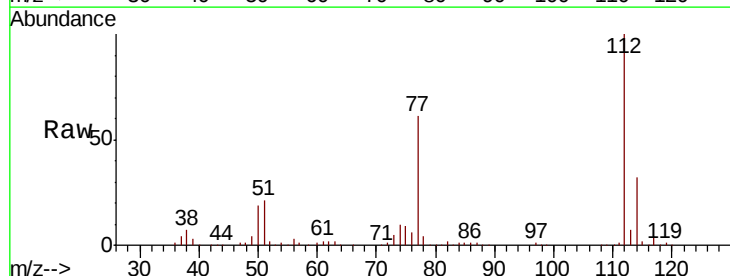


Abundance Ion 107.00 (106.70 to 107.70): V
 Ion 109.00 (108.70 to 109.70): V
 Ion 188.00 (187.70 to 188.70): V

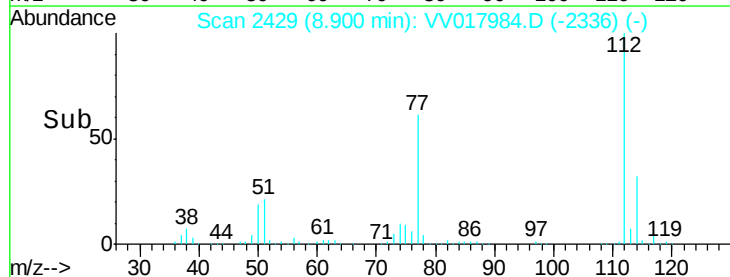
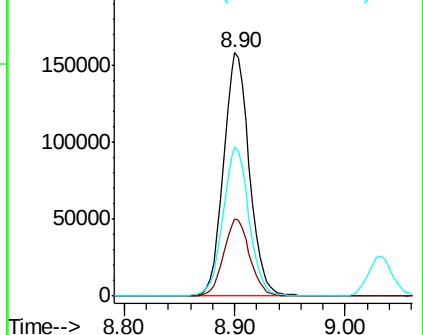


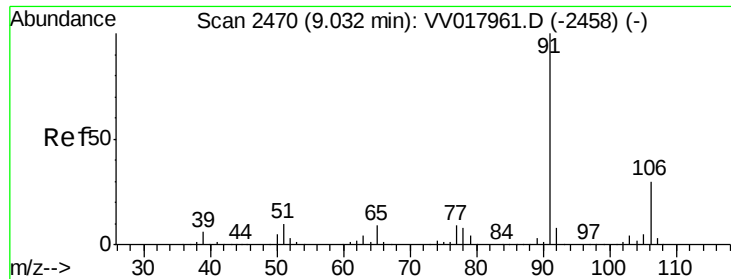
#51
 Chlorobenzene
 Concen: 48.016 ug/L
 RT: 8.90 min Scan# 2429
 Delta R.T. 0.00 min
 Lab File: VV017984.D
 Acq: 14 Aug 2020 09:45

Tgt Ion	Ratio	Lower	Upper
112	100		
114	31.7	22.7	42.3
77	61.3	49.4	74.2



Abundance Ion 112.00 (111.70 to 112.70): V
 Ion 114.00 (113.70 to 114.70): V
 Ion 77.00 (76.70 to 77.70): V





#52

Ethylbenzene

Concen: 48.749 ug/L

RT: 9.03 min Scan# 2470

Delta R.T. 0.00 min

Lab File: VV017984.D

Acq: 14 Aug 2020 09:45

Instrument :

MSVOA_V

ClientSampleId :

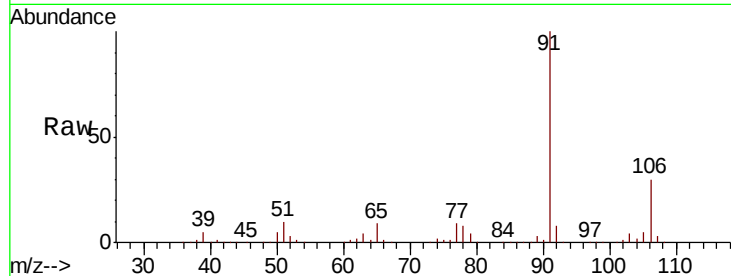
VSTD05069

Tot Ion: 91 Resp: 440980

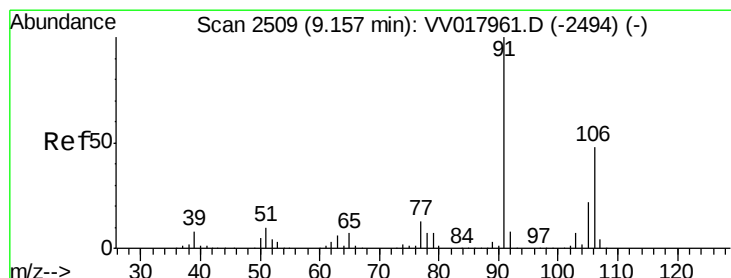
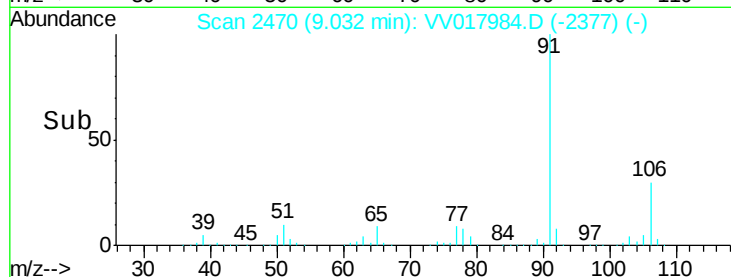
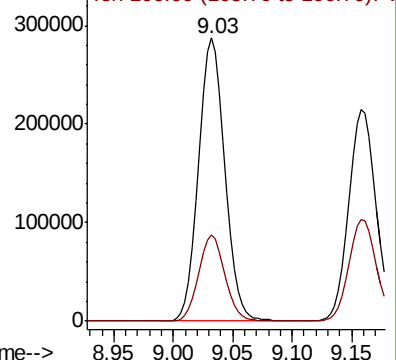
Ion Ratio Lower Upper

91 100

106 30.5 21.1 39.3



Abundance Ion 91.00 (90.70 to 91.70): VV017961.D (-2458) (-)



#53

m,p-Xylene

Concen: 49.782 ug/L

RT: 9.16 min Scan# 2509

Delta R.T. 0.00 min

Lab File: VV017984.D

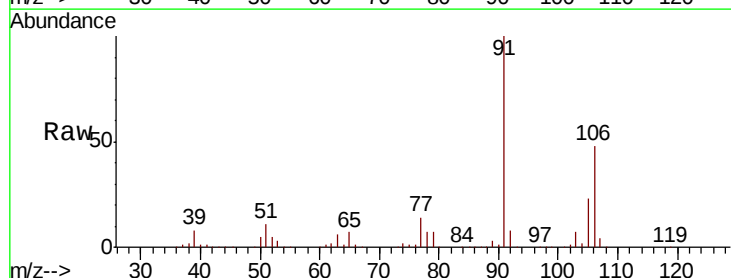
Acq: 14 Aug 2020 09:45

Tgt Ion: 106 Resp: 165629

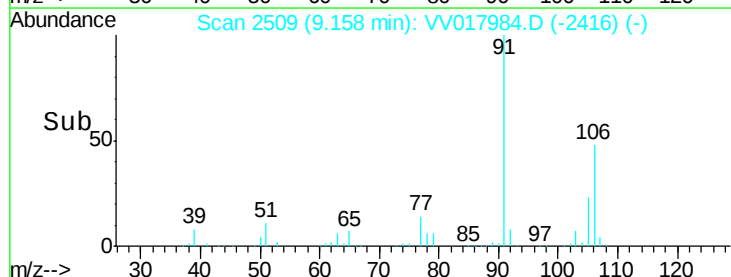
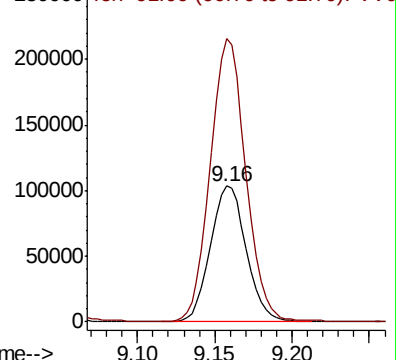
Ion Ratio Lower Upper

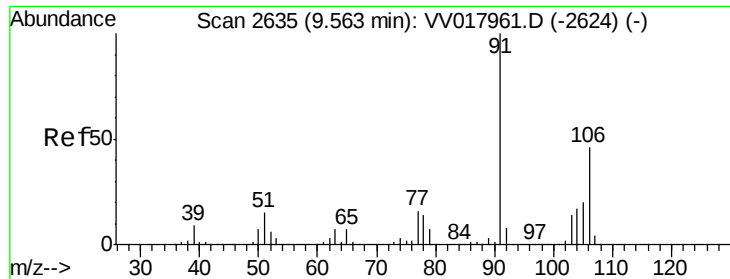
106 100

91 208.0 147.3 273.6



Abundance Ion 106.00 (105.70 to 106.70): VV017961.D (-2494) (-)

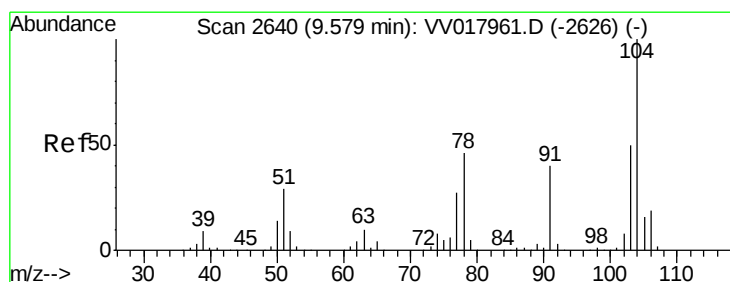
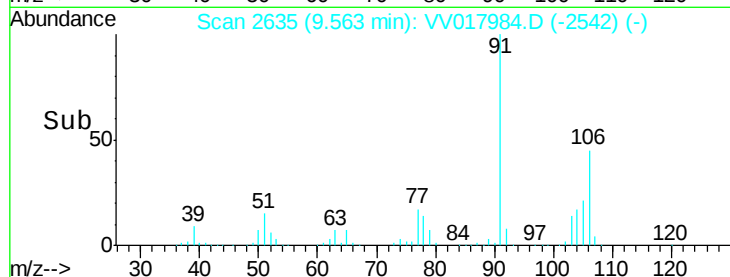
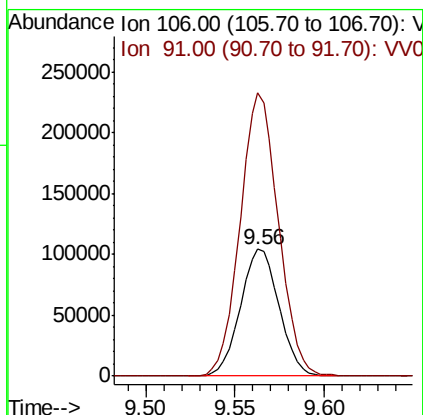
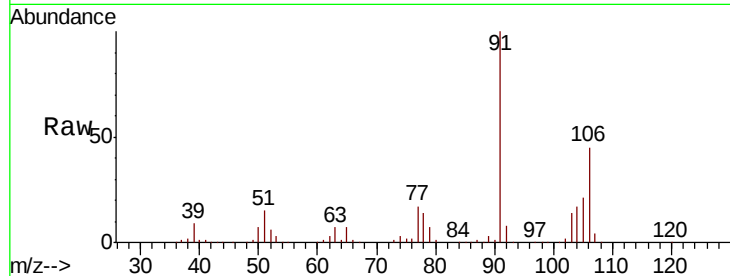




#54
o-xylene
Concen: 48.194 ug/L
RT: 9.56 min Scan# 2635
Delta R.T. 0.00 min
Lab File: VV017984.D
Acq: 14 Aug 2020 09:45

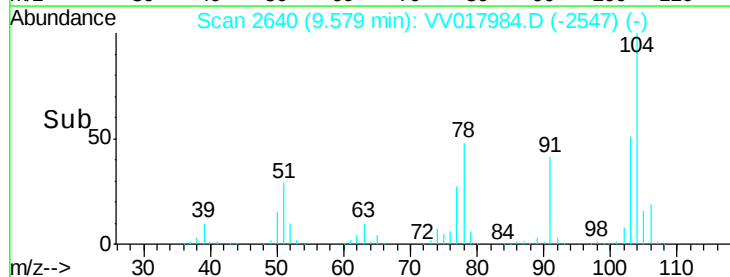
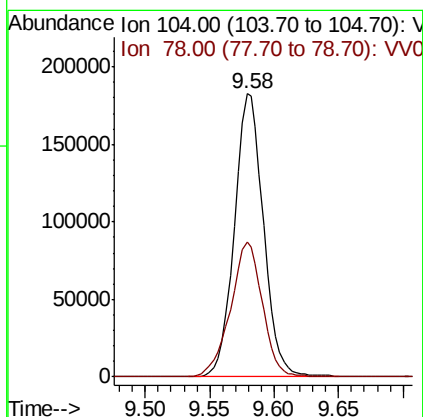
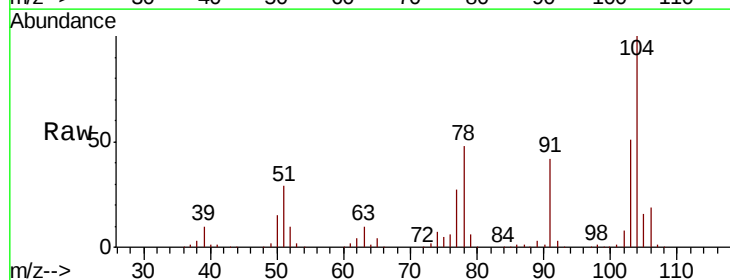
Instrument :
MSVOA_V
ClientSampled :
VSTD05069

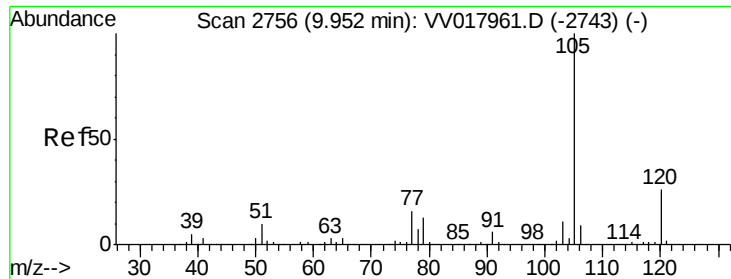
Tot Ion:106 Resp: 158457
Ion Ratio Lower Upper
106 100
91 222.6 156.0 289.8



#55
Styrene
Concen: 50.883 ug/L
RT: 9.58 min Scan# 2640
Delta R.T. 0.00 min
Lab File: VV017984.D
Acq: 14 Aug 2020 09:45

Tgt Ion:104 Resp: 286501
Ion Ratio Lower Upper
104 100
78 47.8 32.2 59.8





#56

Isopropylbenzene

Concen: 49.098 ug/L

RT: 9.95 min Scan# 2756

Delta R.T. 0.00 min

Lab File: VV017984.D

Acq: 14 Aug 2020 09:45

Instrument :

MSVOA_V

ClientSampleId :

VSTD05069

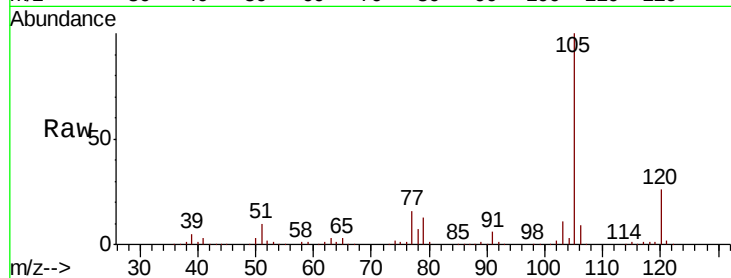
Tot Ion:105 Resp: 425873

Ion Ratio Lower Upper

105 100

120 26.1 20.6 31.0

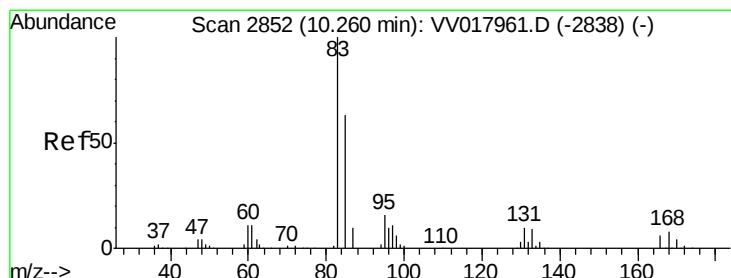
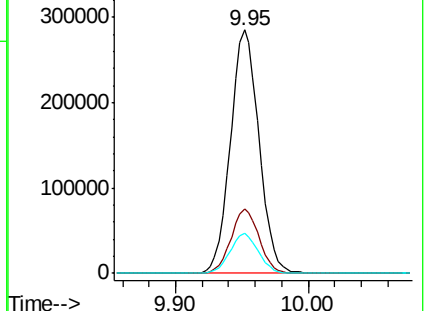
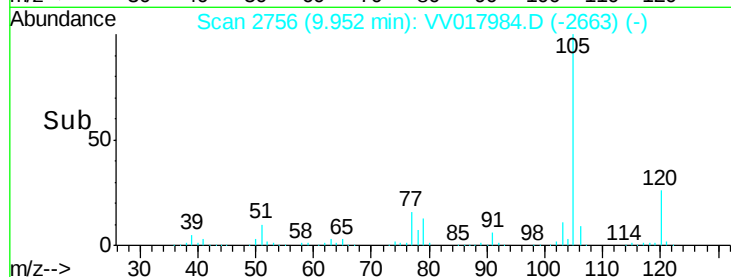
77 16.3 13.1 19.7



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): V



#58

1,1,2,2-Tetrachloroethane

Concen: 46.205 ug/L

RT: 10.26 min Scan# 2853

Delta R.T. 0.00 min

Lab File: VV017984.D

Acq: 14 Aug 2020 09:45

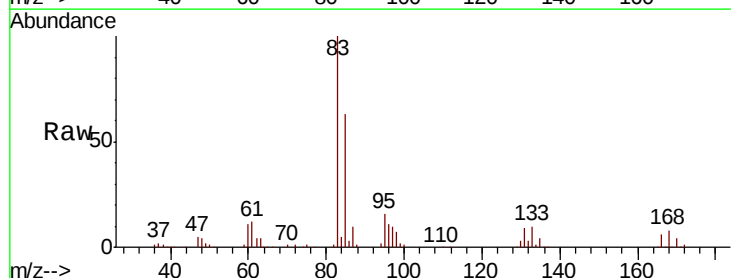
Tgt Ion: 83 Resp: 144473

Ion Ratio Lower Upper

83 100

85 62.7 45.1 83.7

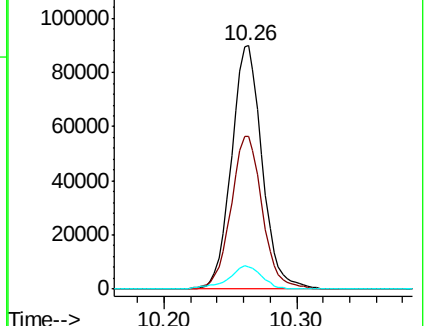
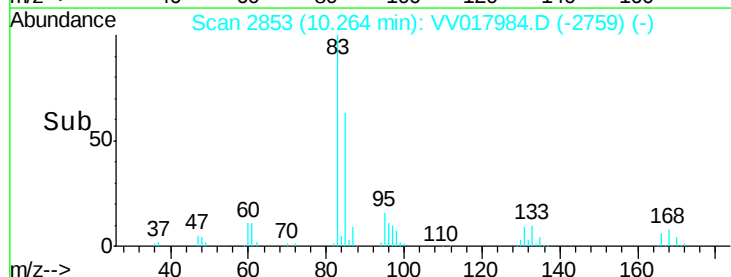
131 9.4 7.8 11.6

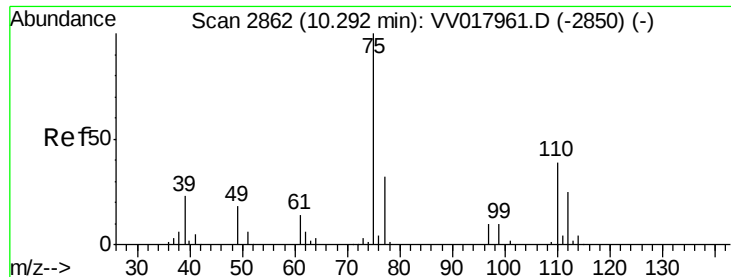


Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 131.00 (130.70 to 131.70): V

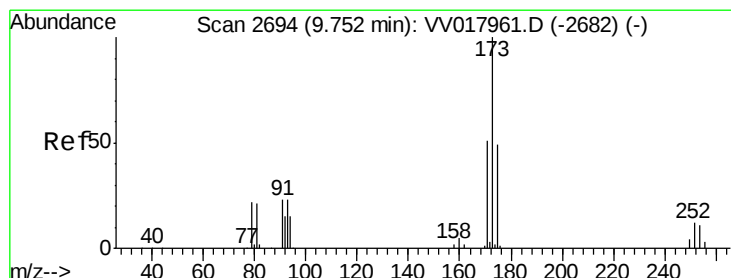
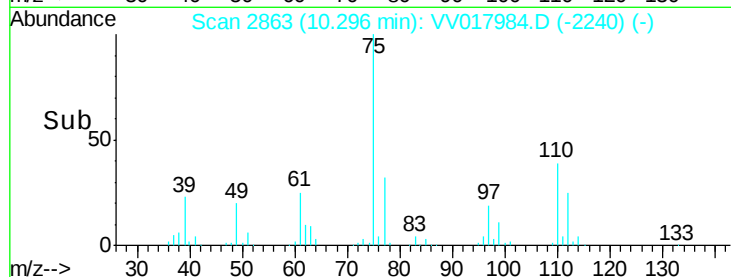
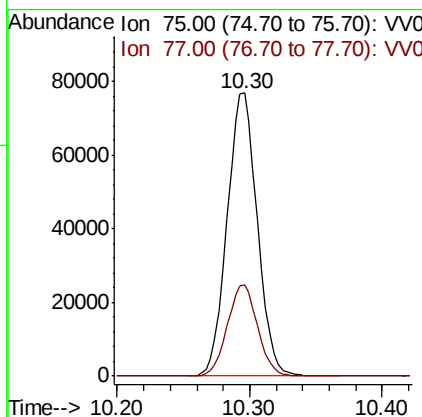
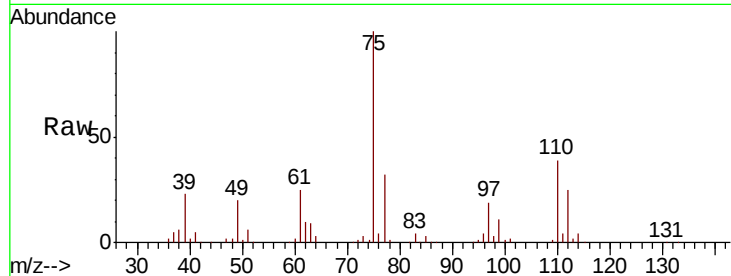




#59
 1,2,3-Trichloropropane
 Concen: 45.362 ug/L
 RT: 10.30 min Scan# 2863
 Delta R.T. 0.00 min
 Lab File: VV017984.D
 Acq: 14 Aug 2020 09:45

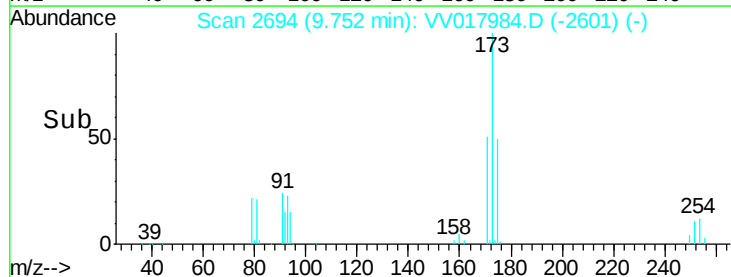
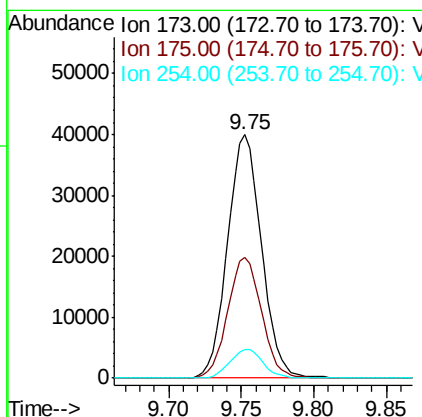
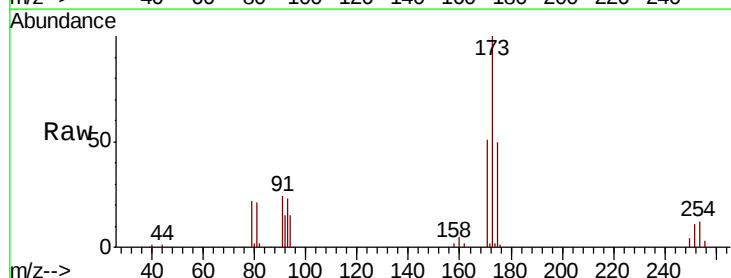
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05069

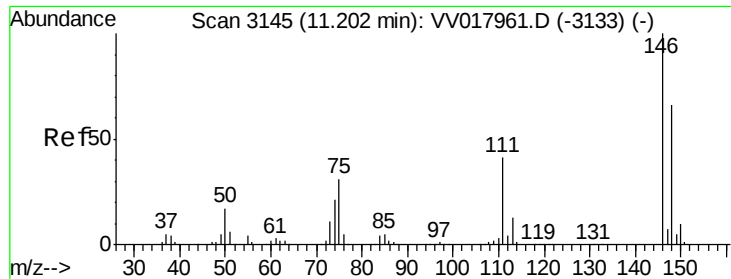
Tot Ion: 75 Resp: 121469
 Ion Ratio Lower Upper
 75 100
 77 32.3 25.7 38.5



#61
 Bromoform
 Concen: 49.540 ug/L
 RT: 9.75 min Scan# 2694
 Delta R.T. 0.00 min
 Lab File: VV017984.D
 Acq: 14 Aug 2020 09:45

Tgt Ion: 173 Resp: 64940
 Ion Ratio Lower Upper
 173 100
 175 49.3 38.6 57.8
 254 11.4 8.4 12.6





#62

1,3-Dichlorobenzene

Concen: 48.219 ug/L

RT: 11.20 min Scan# 3145

Delta R.T. 0.00 min

Lab File: VV017984.D

Acq: 14 Aug 2020 09:45

Instrument :

MSVOA_V

ClientSampleId :

VSTD05069

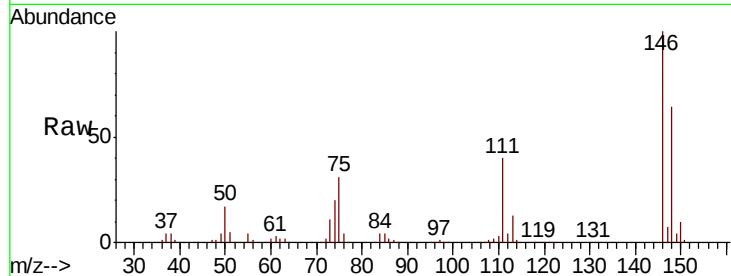
Tot Ion:146 Resp: 212427

Ion Ratio Lower Upper

146 100

111 40.3 28.8 53.4

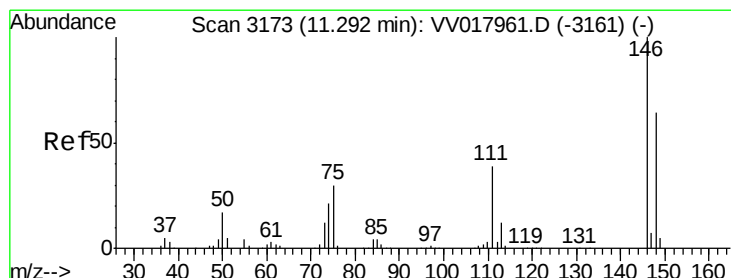
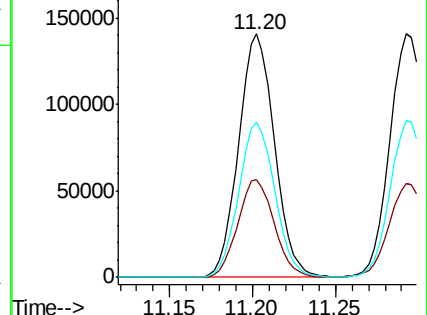
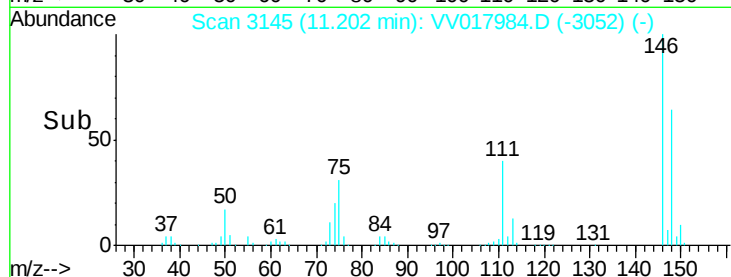
148 63.6 44.9 83.5



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#63

1,4-Dichlorobenzene

Concen: 48.062 ug/L

RT: 11.29 min Scan# 3173

Delta R.T. 0.00 min

Lab File: VV017984.D

Acq: 14 Aug 2020 09:45

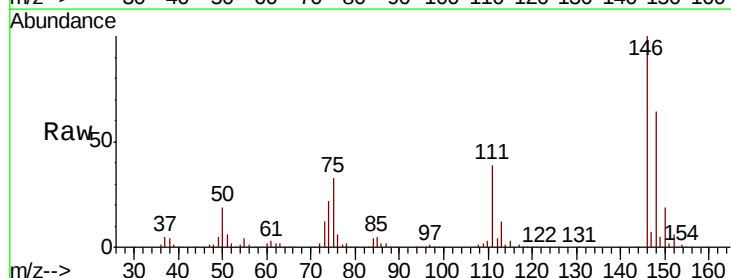
Tgt Ion:146 Resp: 217509

Ion Ratio Lower Upper

146 100

111 38.8 28.0 52.0

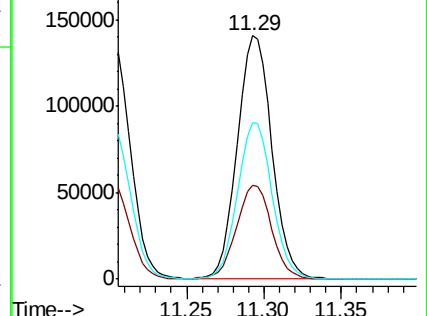
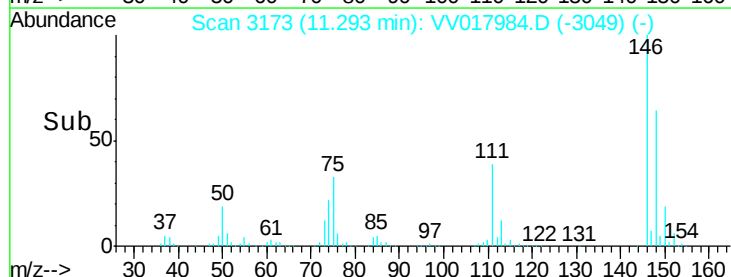
148 64.3 44.2 82.2

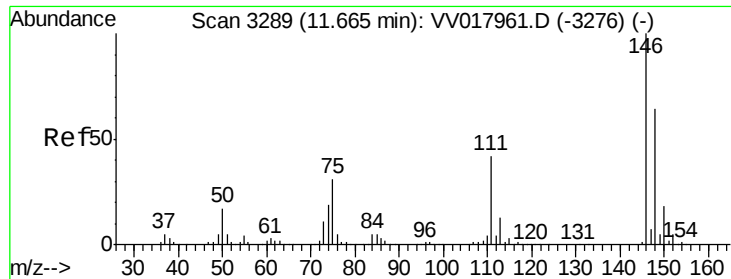


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 46.546 ug/L

RT: 11.67 min Scan# 3289

Delta R.T. 0.00 min

Lab File: VV017984.D

Acq: 14 Aug 2020 09:45

Instrument :

MSVOA_V

ClientSampleId :

VSTD05069

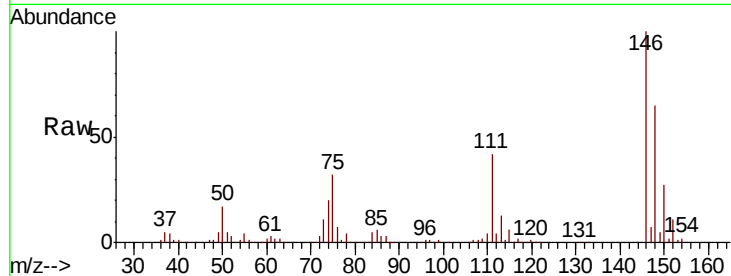
Tot Ion:146 Resp: 211057

Ion Ratio Lower Upper

146 100

111 42.3 34.2 51.4

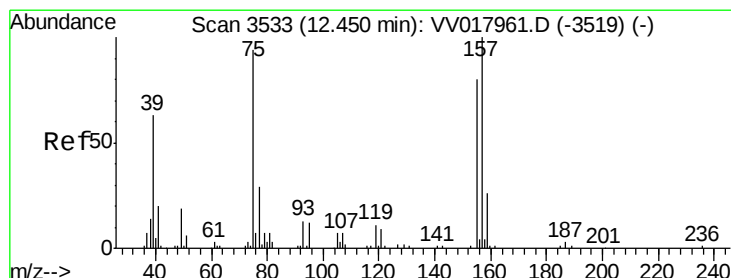
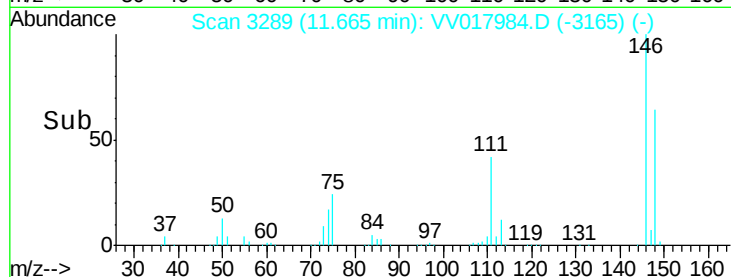
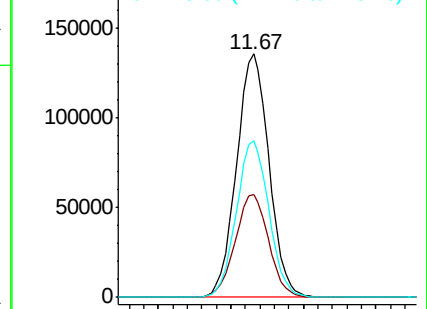
148 64.5 50.6 76.0



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#66

1,2-Dibromo-3-chloropropane

Concen: 44.599 ug/L

RT: 12.45 min Scan# 3533

Delta R.T. 0.00 min

Lab File: VV017984.D

Acq: 14 Aug 2020 09:45

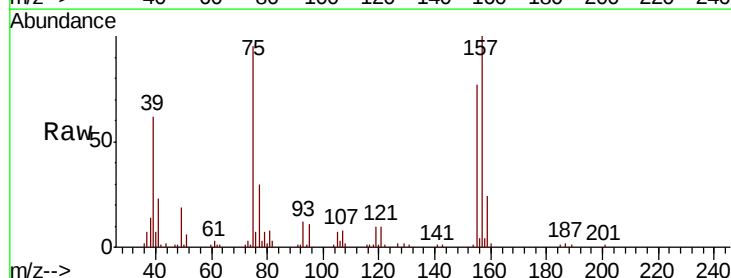
Tgt Ion: 75 Resp: 29796

Ion Ratio Lower Upper

75 100

155 80.4 67.6 101.4

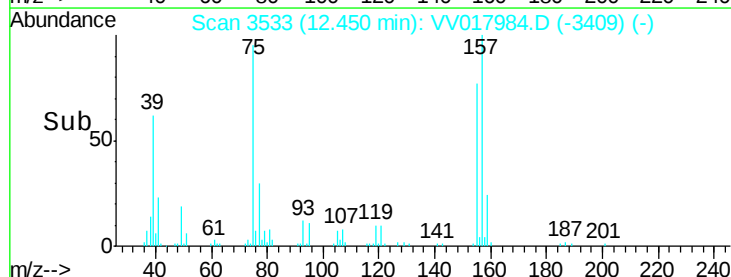
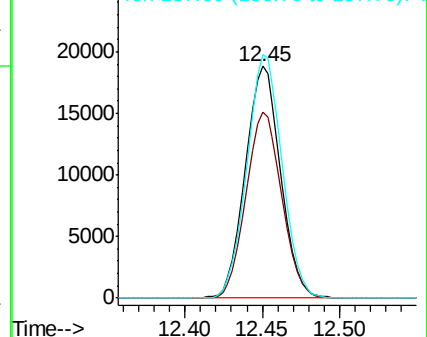
157 105.0 84.3 126.5

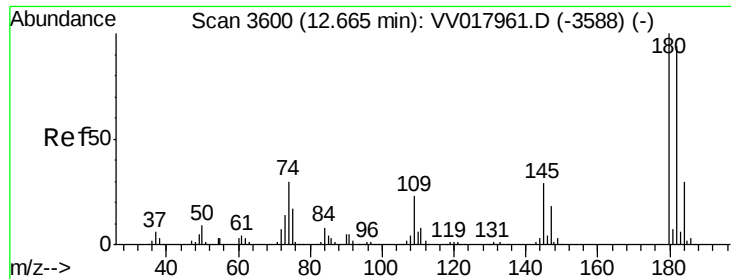


Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

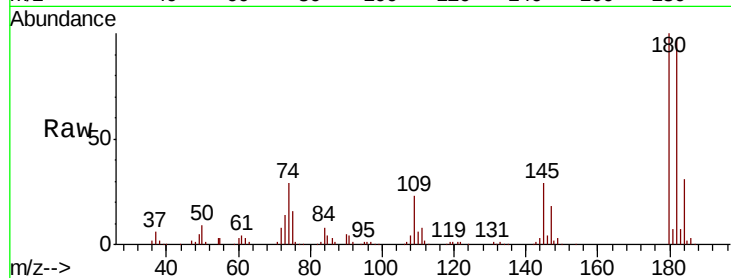




#67
 1,3,5-Trichlorobenzene
 Concen: 49.318 ug/L
 RT: 12.67 min Scan# 3601
 Delta R.T. 0.00 min
 Lab File: VV017984.D
 Acq: 14 Aug 2020 09:45

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05069

Tot Ion	Ratio	Lower	Upper
180	100		
182	96.0	77.2	115.8
184	30.5	24.6	36.8
145	29.0	23.5	35.3

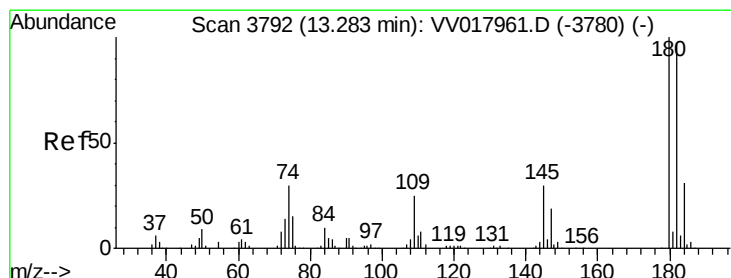
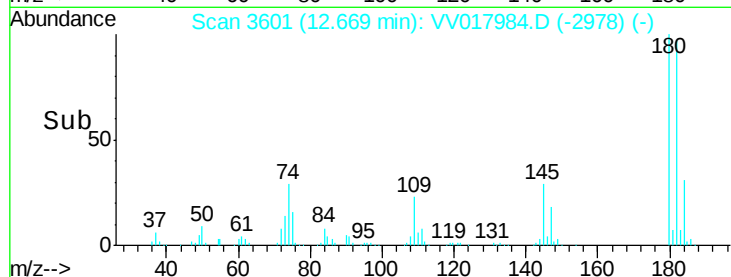
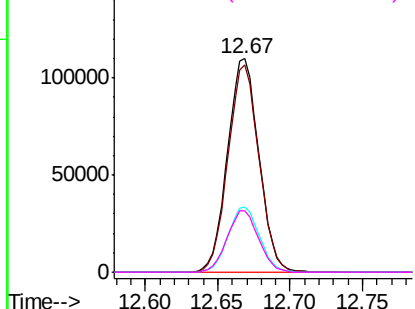


Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

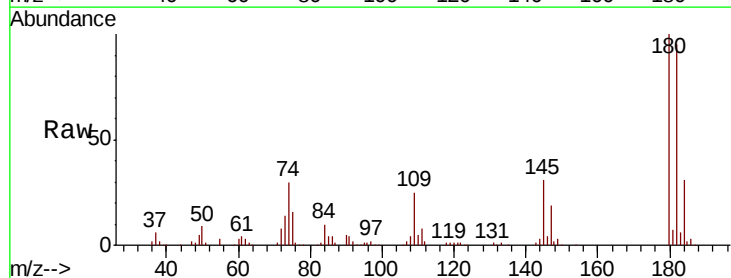
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 50.888 ug/L
 RT: 13.28 min Scan# 3792
 Delta R.T. 0.00 min
 Lab File: VV017984.D
 Acq: 14 Aug 2020 09:45

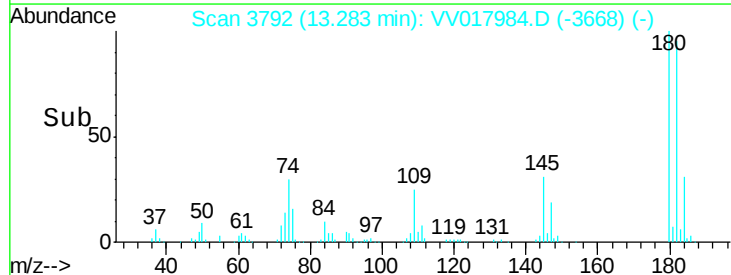
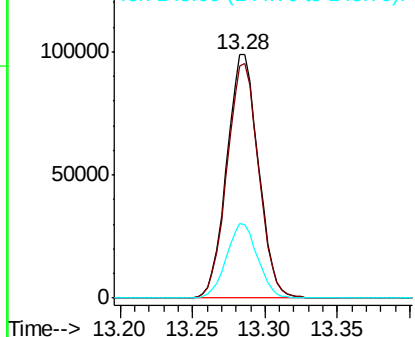
Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.1	76.4	114.6
145	30.0	24.0	36.0

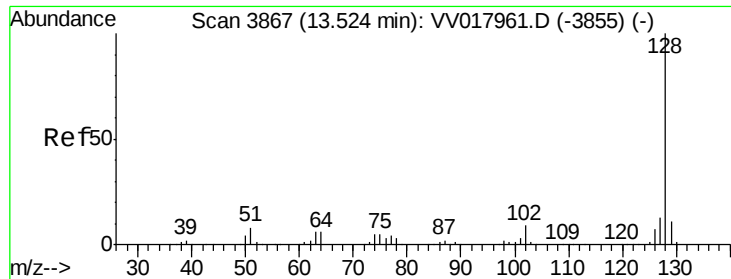


Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V





#69

Naphthalene

Concen: 50.035 ug/L

RT: 13.52 min Scan# 3867

Delta R.T. 0.00 min

Lab File: VV017984.D

Acq: 14 Aug 2020 09:45

Instrument :

MSVOA_V

ClientSampleId :

VSTD05069

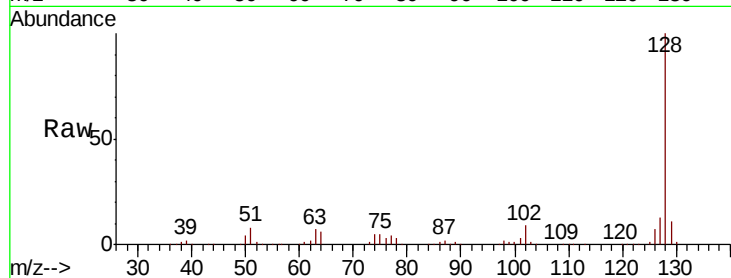
Tot Ion:128 Resp: 405771

Ion Ratio Lower Upper

128 100

127 12.9 10.6 15.8

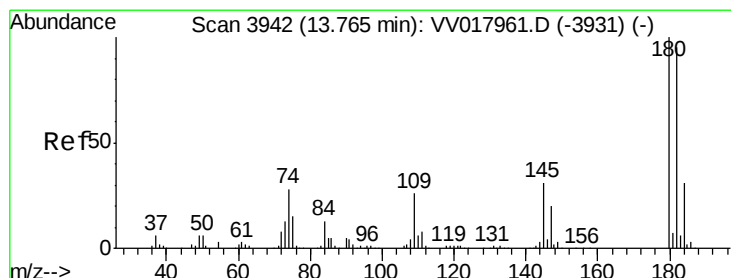
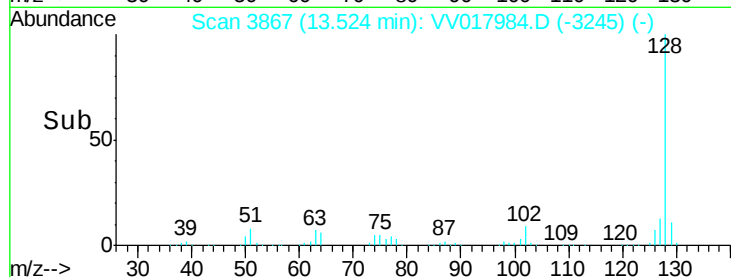
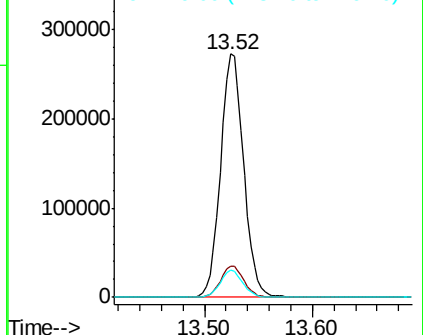
129 10.8 8.7 13.1



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: 52.191 ug/L

RT: 13.77 min Scan# 3943

Delta R.T. 0.00 min

Lab File: VV017984.D

Acq: 14 Aug 2020 09:45

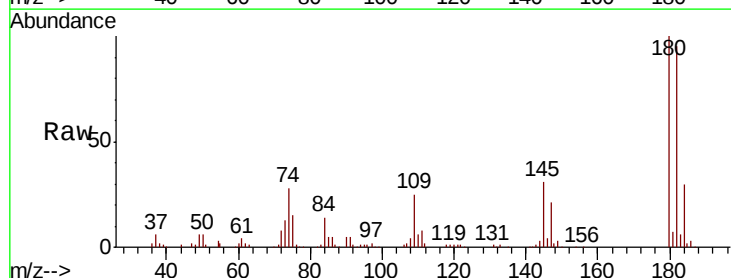
Tgt Ion:180 Resp: 156164

Ion Ratio Lower Upper

180 100

182 95.5 76.5 114.7

145 31.8 26.0 39.0



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

