

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV101520\
 Data File : VV018909.D
 Acq On : 15 Oct 2020 14:07
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05090

Quant Time: Oct 16 08:44:03 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM101420WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Oct 15 02:07:27 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	362850	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	358610	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	192825	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	125388	41.98	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	83.96%
7) Chloroethane-d5	1.58	69	103708	43.82	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	87.64%
11) 1,1-Dichloroethene-d2	2.12	63	256561	45.50	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	91.00%
21) 2-Butanone-d5	3.91	46	194440	93.39	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	93.39%
24) Chloroform-d	4.37	84	249612	46.51	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	93.02%
26) 1,2-Dichloroethane-d4	5.05	65	165713	46.52	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	93.04%
32) Benzene-d6	5.07	84	483997	46.23	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	92.46%
36) 1,2-Dichloropropane-d6	6.09	67	156391	46.72	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	93.44%
41) Toluene-d8	7.34	98	449305	47.84	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	95.68%
43) trans-1,3-Dichloropropene-	7.64	79	78492	47.97	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	95.94%
47) 2-Hexanone-d5	8.11	63	121705	97.88	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	97.88%
57) 1,1,2,2-Tetrachloroethane-	10.23	84	186306	47.49	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	94.98%
64) 1,2-Dichlorobenzene-d4	11.65	152	180869	46.10	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	92.20%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.14	85	159628	50.806	ug/L 98
3) Chloromethane	1.25	50	167129	47.166	ug/L 100
5) Vinyl chloride	1.32	62	164730	48.099	ug/L 99
6) Bromomethane	1.53	94	98973	47.366	ug/L 100
8) Chloroethane	1.60	64	101213	49.274	ug/L 98
9) Trichlorofluoromethane	1.77	101	229105	50.682	ug/L 100
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	123604	52.511	ug/L 99
12) 1,1-Dichloroethene	2.13	96	116213	48.718	ug/L 99
13) Acetone	2.20	43	158112	103.933	ug/L 100
14) Carbon disulfide	2.31	76	392707	48.322	ug/L 99
15) Methyl Acetate	2.45	43	148629	47.560	ug/L 99
16) Methylene chloride	2.52	84	137922	48.196	ug/L 97
17) trans-1,2-Dichloroethene	2.78	96	130681	49.351	ug/L 98
18) Methyl tert-butyl Ether	2.78	73	405676	48.489	ug/L 100
19) 1,1-Dichloroethane	3.21	63	250728	48.671	ug/L 99
20) cis-1,2-Dichloroethene	3.94	96	136120	48.501	ug/L 96
22) 2-Butanone	4.00	43	216407	104.622	ug/L 99

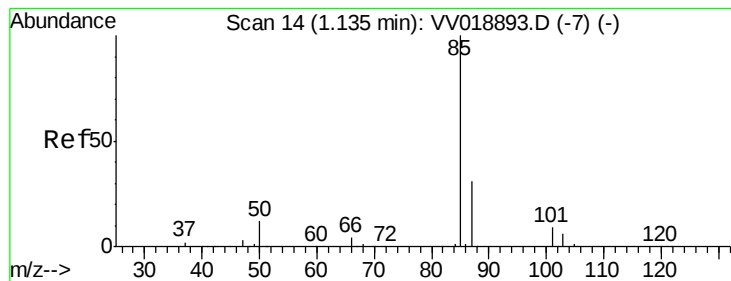
Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV101520\
 Data File : VV018909.D
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 Quant Title : VOC Analysis
 QLast Update : Thu Oct 15 02:07:27 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.27	128	70838	48.873	ug/L	99
25) Chloroform	4.40	83	249500	48.163	ug/L	98
27) 1,2-Dichloroethane	5.15	62	202597	47.876	ug/L	100
29) Cyclohexane	4.70	56	230807	54.158	ug/L	98
30) 1,1,1-Trichloroethane	4.63	97	219454	49.318	ug/L	100
31) Carbon tetrachloride	4.85	117	191077	50.453	ug/L	100
33) Benzene	5.12	78	547780	49.830	ug/L	100
34) Trichloroethene	5.94	95	152601	48.138	ug/L	98
35) Methylcyclohexane	6.15	83	208229	54.236	ug/L	98
37) 1,2-Dichloropropane	6.20	63	143959	48.919	ug/L	99
38) Bromodichloromethane	6.53	83	183426	48.616	ug/L	99
39) cis-1,3-Dichloropropene	7.05	75	224407	50.749	ug/L	99
40) 4-Methyl-2-pentanone	7.24	43	400233	98.621	ug/L	100
42) Toluene	7.41	91	582340	51.290	ug/L	99
44) trans-1,3-Dichloropropene	7.67	75	220176	51.382	ug/L	100
45) 1,1,2-Trichloroethane	7.86	97	131927	48.195	ug/L	99
46) Tetrachloroethene	8.00	164	111614	49.959	ug/L	98
48) 2-Hexanone	8.16	43	322053	100.087	ug/L	99
49) Dibromochloromethane	8.27	129	142778	49.268	ug/L	99
50) 1,2-Dibromoethane	8.37	107	136151	47.726	ug/L	99
51) Chlorobenzene	8.90	112	367233	49.611	ug/L	99
52) Ethylbenzene	9.03	91	640094	52.079	ug/L	100
53) m,p-Xylene	9.16	106	240261	52.470	ug/L	100
54) o-xylene	9.56	106	229834	52.464	ug/L	98
55) Styrene	9.58	104	407432	52.876	ug/L	99
56) Isopropylbenzene	9.95	105	615461	53.515	ug/L	100
58) 1,1,1,2,2-Tetrachloroethane	10.26	83	181075	48.717	ug/L	100
59) 1,2,3-Trichloropropane	10.29	75	169000	47.443	ug/L	99
61) Bromoform	9.75	173	101822	48.339	ug/L	99
62) 1,3-Dichlorobenzene	11.20	146	299586	50.117	ug/L	99
63) 1,4-Dichlorobenzene	11.29	146	306783	48.814	ug/L	98
65) 1,2-Dichlorobenzene	11.67	146	298395	49.477	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.45	75	41075	45.702	ug/L	96
67) 1,3,5-Trichlorobenzene	12.67	180	202060	50.320	ug/L	99
68) 1,2,4-trichlorobenzene	13.28	180	186501	50.404	ug/L	100
69) Naphthalene	13.52	128	533671	50.822	ug/L	100
70) 1,2,3-Trichlorobenzene	13.77	180	188161	50.874	ug/L	99

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



#2

Dichlorodifluoromethane

Concen: 50.806 ug/L

RT: 1.14 min Scan# 14

Delta R.T. -0.00 min

Lab File: VV018909.D

Acq: 15 Oct 2020 14:07

Instrument :

MSVOA_V

ClientSampleId :

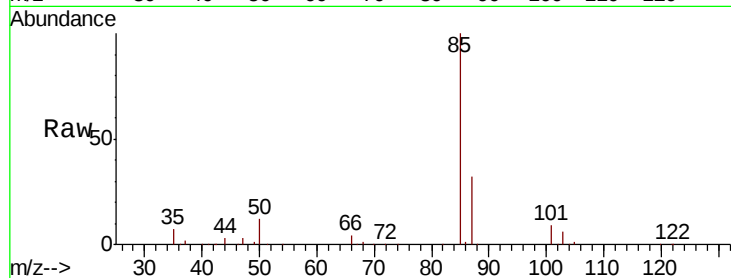
VSTD05090

Tot Ion: 85 Resp: 159628

Ion Ratio Lower Upper

85 100

87 33.0 25.3 37.9



Abundance Ion 85.00 (84.70 to 85.70): VV018893.D (-7) (-)

Ion 87.00 (86.70 to 87.70): VV018893.D (-7) (-)

1.14

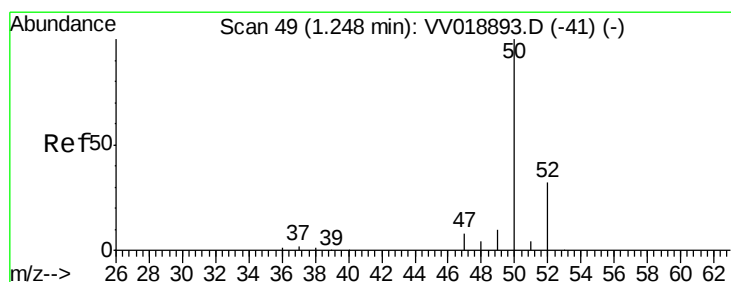
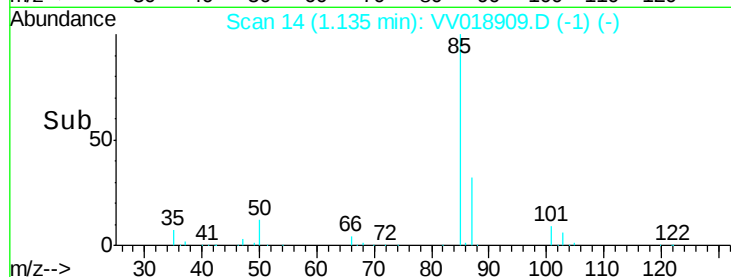
150000

100000

50000

0

Time-->



#3

Chloromethane

Concen: 47.166 ug/L

RT: 1.25 min Scan# 49

Delta R.T. -0.00 min

Lab File: VV018909.D

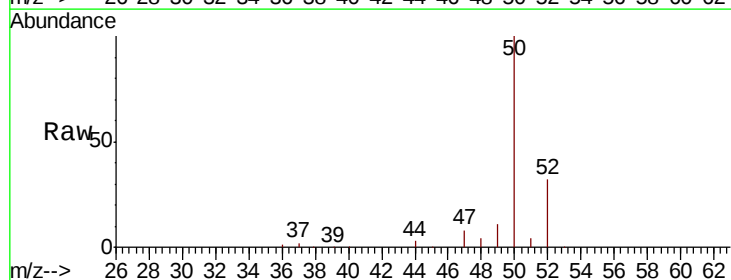
Acq: 15 Oct 2020 14:07

Tgt Ion: 50 Resp: 167129

Ion Ratio Lower Upper

50 100

52 31.9 22.4 41.6



Abundance Ion 50.00 (49.70 to 50.70): VV018893.D (-41) (-)

Ion 52.00 (51.70 to 52.70): VV018893.D (-41) (-)

1.25

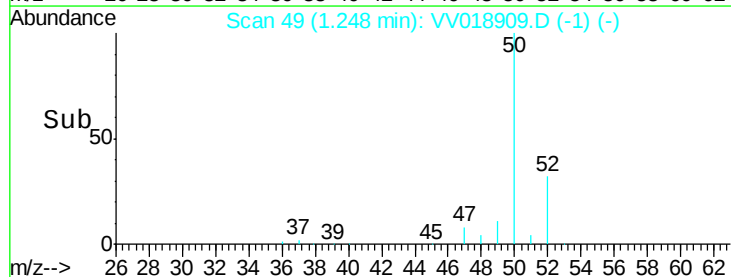
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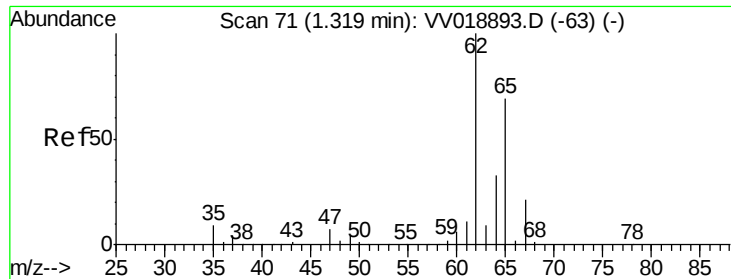
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50000

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Time-->





#5

Vinyl chloride

Concen: 48.099 ug/L

RT: 1.32 min Scan# 71

Delta R.T. -0.00 min

Lab File: VV018909.D

Acq: 15 Oct 2020 14:07

Instrument :

MSVOA_V

ClientSampleID :

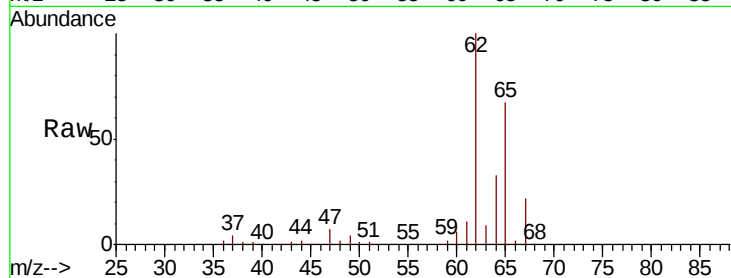
VSTD05090

Tot Ion: 62 Resp: 164730

Ion Ratio Lower Upper

62 100

64 32.8 23.2 43.2



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.00 (63.70 to 64.70): VV0

1.32

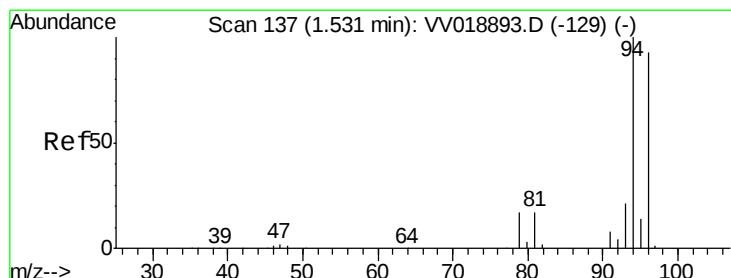
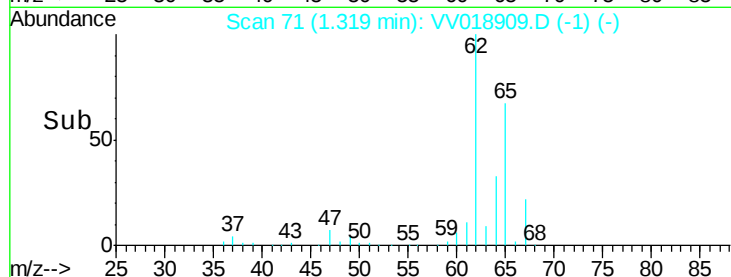
150000

100000

50000

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Time-->



#6

Bromomethane

Concen: 47.366 ug/L

RT: 1.53 min Scan# 138

Delta R.T. 0.00 min

Lab File: VV018909.D

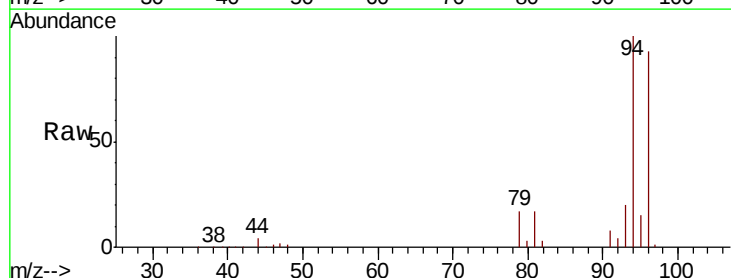
Acq: 15 Oct 2020 14:07

Tgt Ion: 94 Resp: 98973

Ion Ratio Lower Upper

94 100

96 93.4 65.3 121.3



Abundance Ion 94.00 (93.70 to 94.70): VV0

Ion 96.00 (95.70 to 96.70): VV0

100000

80000

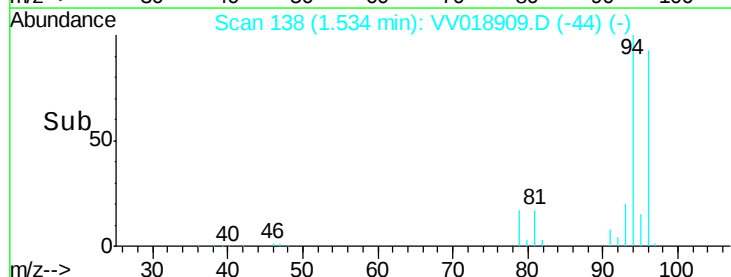
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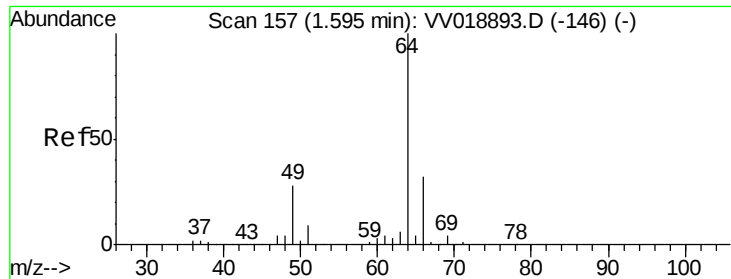
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Time-->

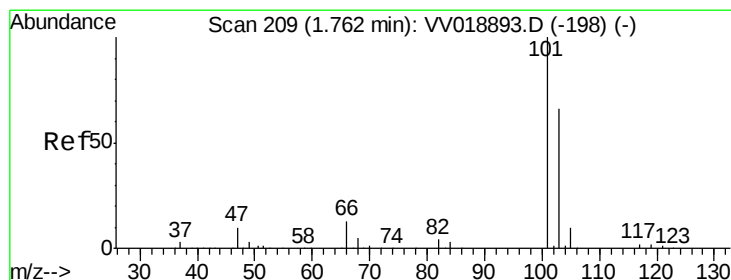
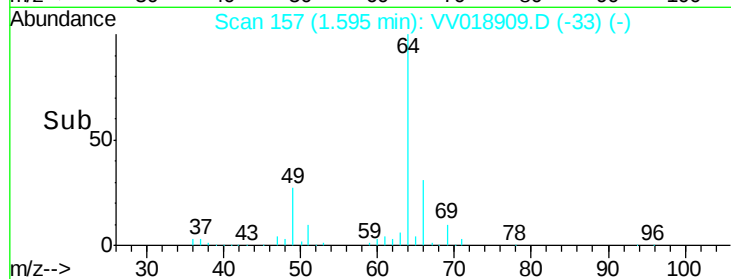
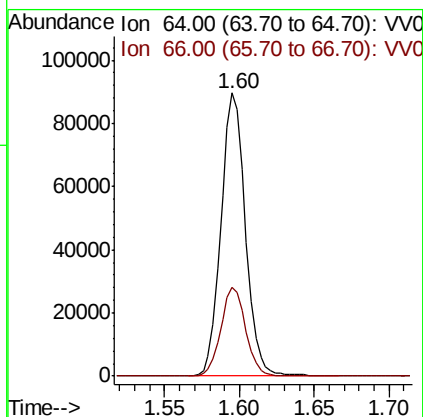
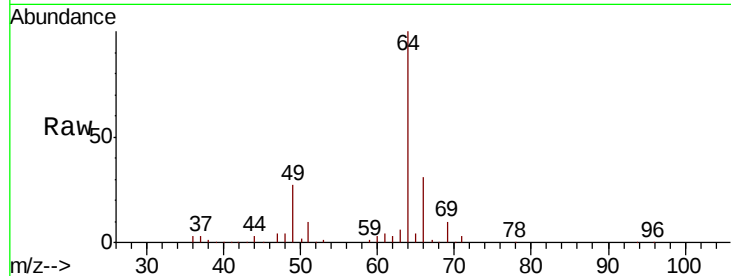




#8
Chloroethane
Concen: 49.274 ug/L
RT: 1.60 min Scan# 157
Delta R.T. -0.00 min
Lab File: VV018909.D
Acq: 15 Oct 2020 14:07

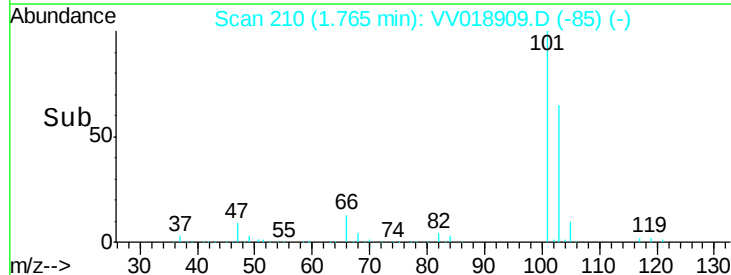
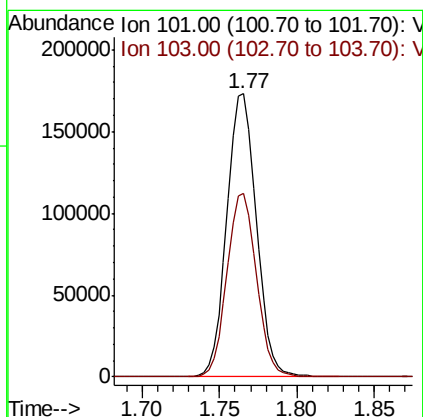
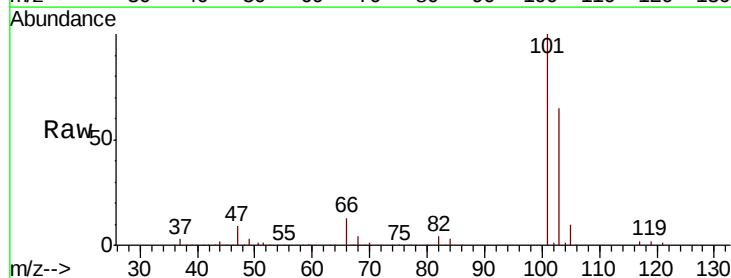
Instrument :
MSVOA_V
ClientSampleId :
VSTD05090

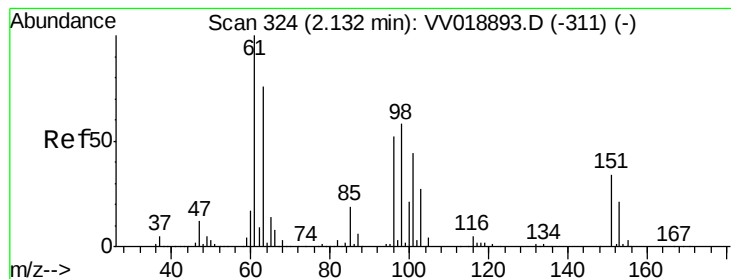
Tot Ion: 64 Resp: 101213
Ion Ratio Lower Upper
64 100
66 31.4 22.7 42.1



#9
Trichlorofluoromethane
Concen: 50.682 ug/L
RT: 1.77 min Scan# 210
Delta R.T. 0.00 min
Lab File: VV018909.D
Acq: 15 Oct 2020 14:07

Tgt Ion: 101 Resp: 229105
Ion Ratio Lower Upper
101 100
103 64.7 51.9 77.9





#10

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

Concen: 52.511 ug/L

RT: 2.13 min Scan# 324

Delta R.T. -0.00 min

Lab File: VV018909.D

Acq: 15 Oct 2020 14:07

Instrument :

MSVOA_V

ClientSampleId :

VSTD05090

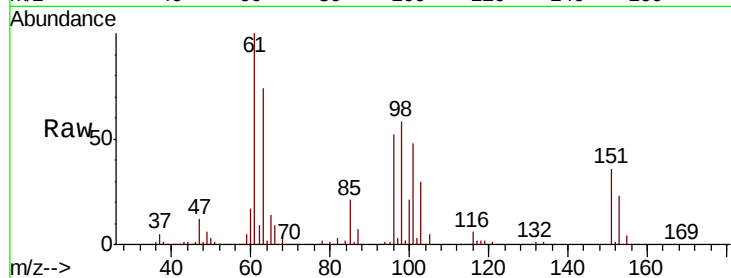
Tot Ion:101 Resp: 123604

Ion Ratio Lower Upper

101 100

85 44.1 35.0 52.4

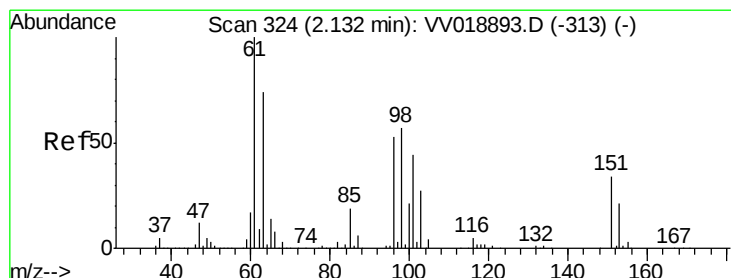
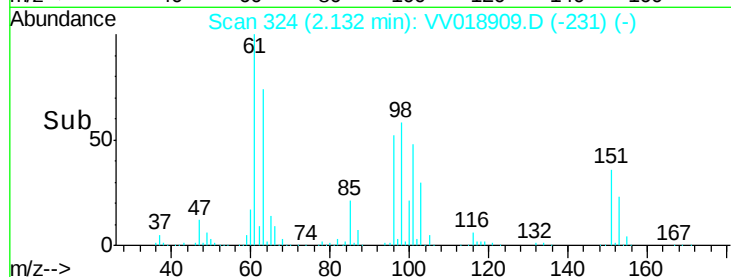
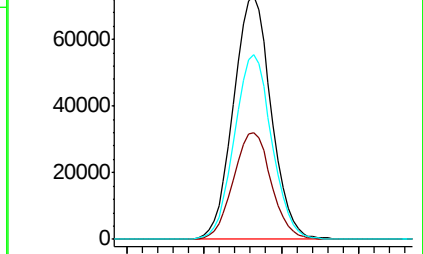
151 75.5 59.7 89.5



Abundance Ion 101.00 (100.70 to 101.70): VV018893.D (-311) (-)

Ion 85.00 (84.70 to 85.70): VV018893.D (-311) (-)

Ion 151.00 (150.70 to 151.70): VV018893.D (-311) (-)



#12

1,1-Dichloroethene

Concen: 48.718 ug/L

RT: 2.13 min Scan# 324

Delta R.T. -0.00 min

Lab File: VV018909.D

Acq: 15 Oct 2020 14:07

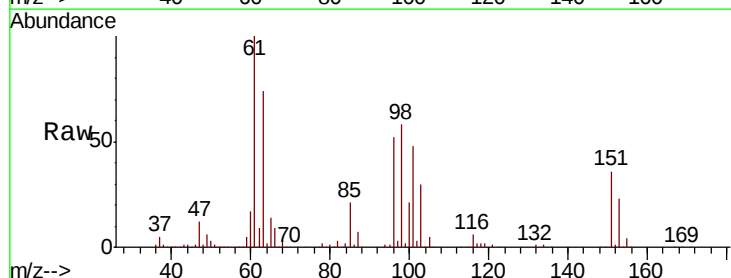
Tgt Ion: 96 Resp: 116213

Ion Ratio Lower Upper

96 100

61 190.9 133.5 247.9

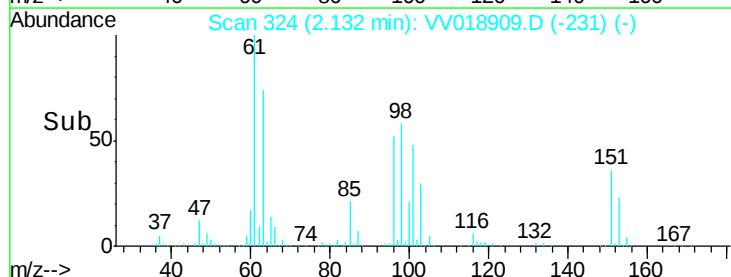
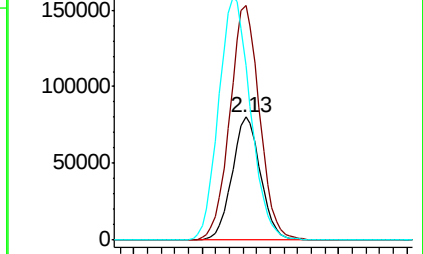
63 141.9 102.1 189.7

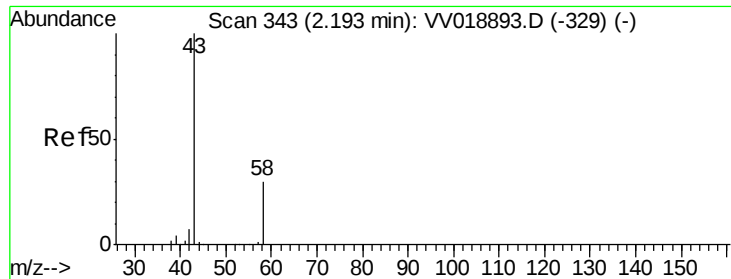


Abundance Ion 96.00 (95.70 to 96.70): VV018909.D (-231) (-)

Ion 61.00 (60.70 to 61.70): VV018909.D (-231) (-)

Ion 63.00 (62.70 to 63.70): VV018909.D (-231) (-)





#13

Acetone

Concen: 103.933 ug/L

RT: 2.20 min Scan# 344

Delta R.T. 0.00 min

Lab File: VV018909.D

Acq: 15 Oct 2020 14:07

Instrument :

MSVOA_V

ClientSampleId :

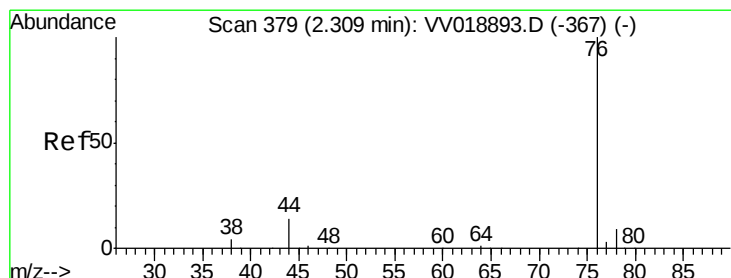
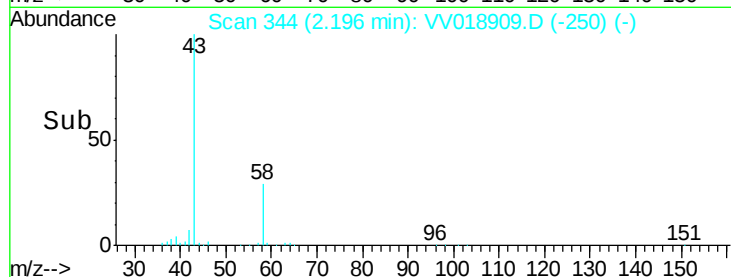
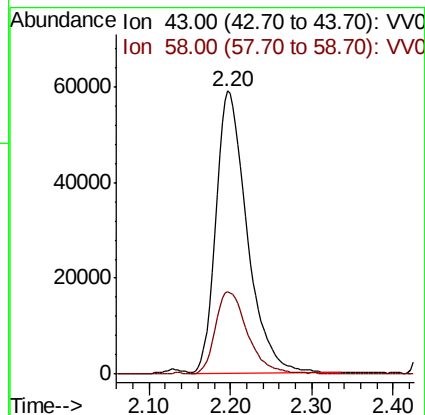
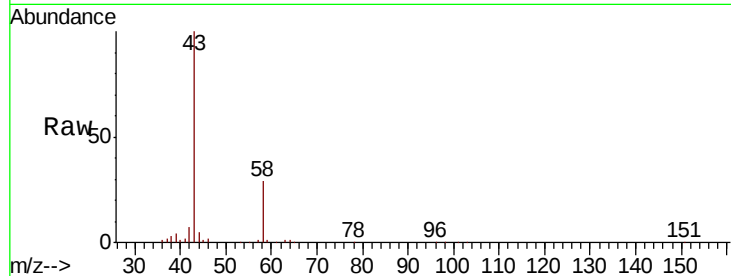
VSTD05090

Tot Ion: 43 Resp: 158112

Ion Ratio Lower Upper

43 100

58 29.7 0.0 58.8



#14

Carbon disulfide

Concen: 48.322 ug/L

RT: 2.31 min Scan# 379

Delta R.T. -0.00 min

Lab File: VV018909.D

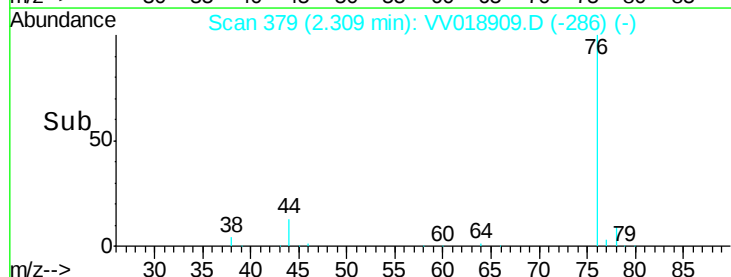
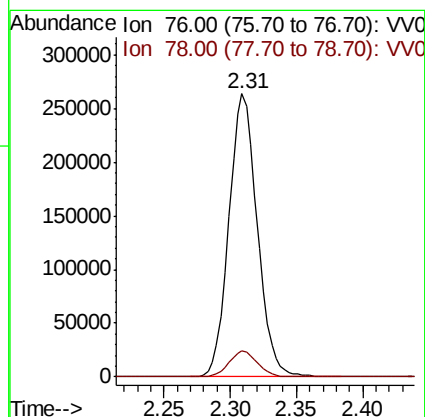
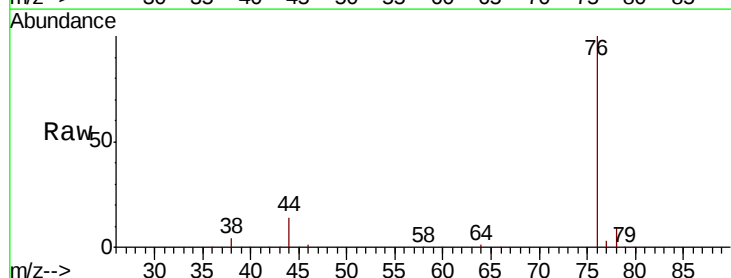
Acq: 15 Oct 2020 14:07

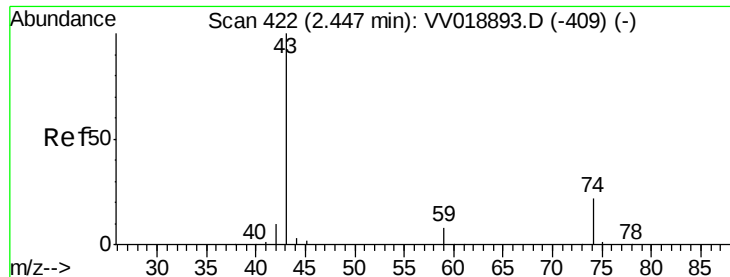
Tgt Ion: 76 Resp: 392707

Ion Ratio Lower Upper

76 100

78 9.0 7.4 11.2

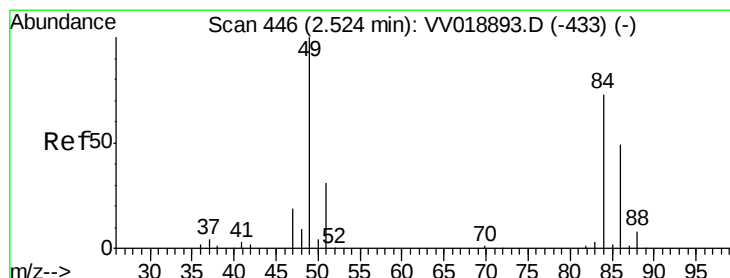
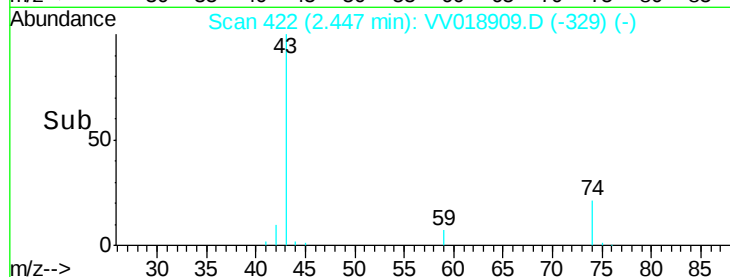
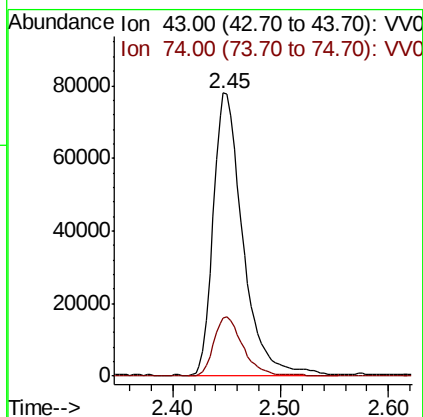
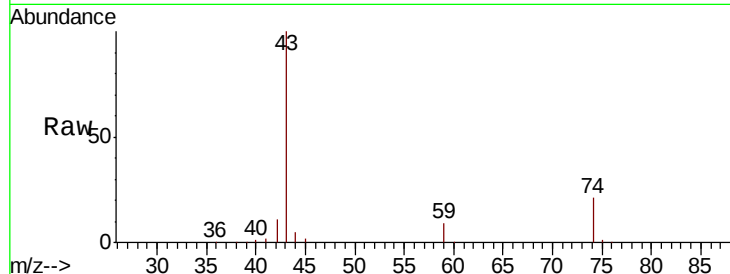




#15
Methvl Acetate
Concen: 47.560 ug/L
RT: 2.45 min Scan# 422
Delta R.T. -0.00 min
Lab File: VV018909.D
Acq: 15 Oct 2020 14:07

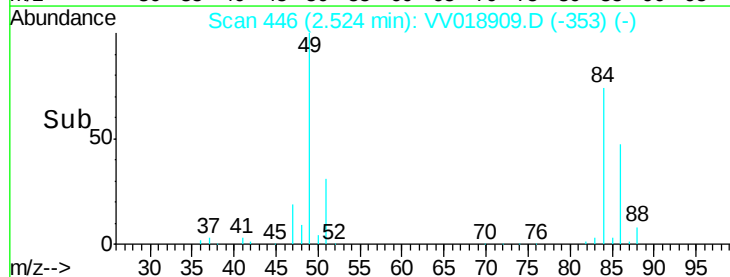
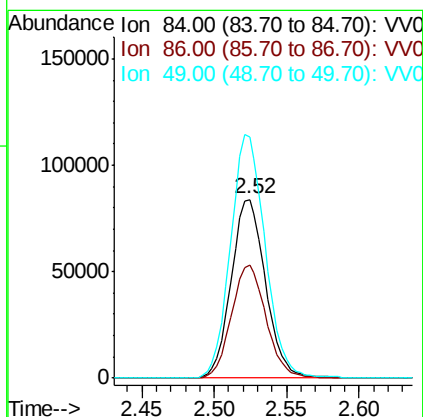
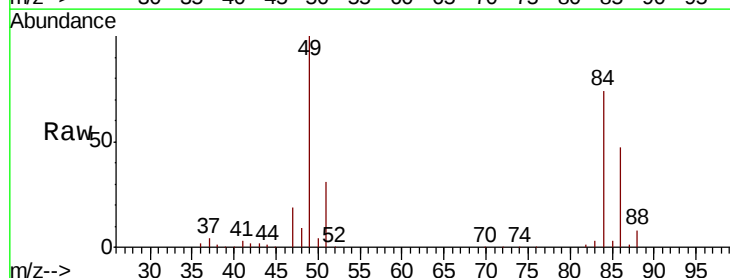
Instrument :
MSVOA_V
ClientSampleId :
VSTD05090

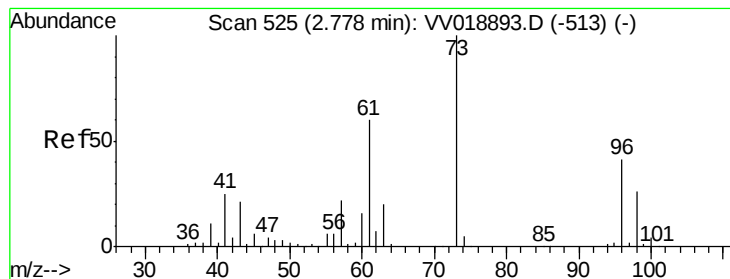
Tot Ion: 43 Resp: 148629
Ion Ratio Lower Upper
43 100
74 20.9 17.0 25.6



#16
Methylene chloride
Concen: 48.196 ug/L
RT: 2.52 min Scan# 446
Delta R.T. -0.00 min
Lab File: VV018909.D
Acq: 15 Oct 2020 14:07

Tgt Ion: 84 Resp: 137922
Ion Ratio Lower Upper
84 100
86 63.2 46.6 86.6
49 135.2 96.1 178.5





#17

trans-1,2-Dichloroethene

Concen: 49.351 ug/L

RT: 2.78 min Scan# 525

Delta R.T. -0.00 min

Lab File: VV018909.D

Acq: 15 Oct 2020 14:07

Instrument :

MSVOA_V

ClientSampleId :

VSTD05090

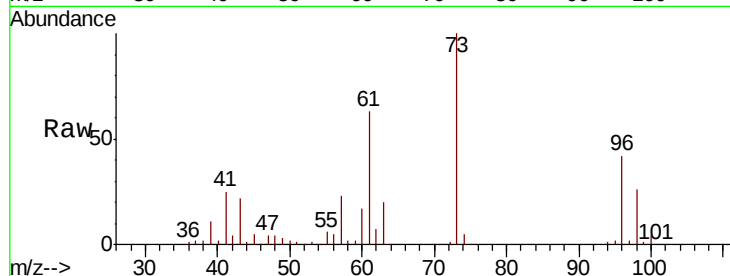
Tot Ion: 96 Resp: 130681

Ion Ratio Lower Upper

96 100

61 150.6 102.8 190.8

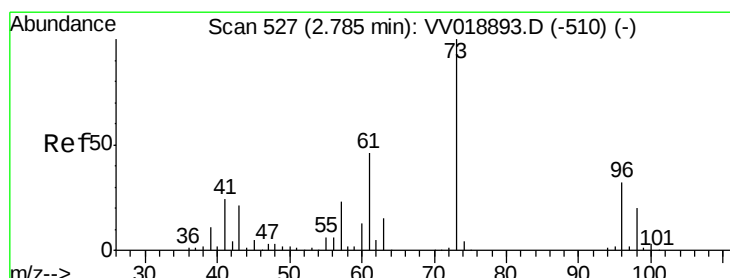
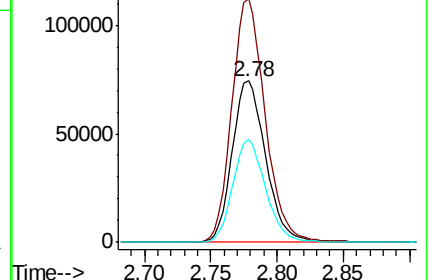
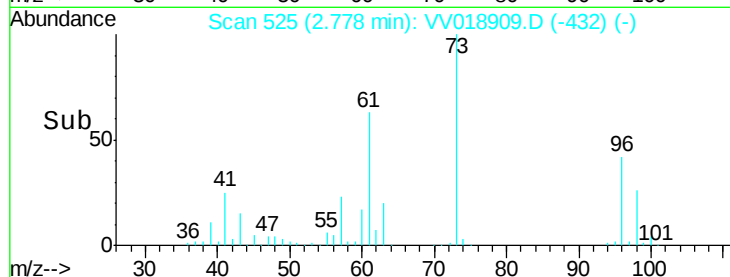
98 63.5 44.0 81.6



Abundance Ion 96.00 (95.70 to 96.70): VV018909.D (-432) (-)

Ion 61.00 (60.70 to 61.70): VV018909.D (-432) (-)

Ion 98.00 (97.70 to 98.70): VV018909.D (-432) (-)



#18

Methyl tert-butyl Ether

Concen: 48.489 ug/L

RT: 2.78 min Scan# 527

Delta R.T. -0.00 min

Lab File: VV018909.D

Acq: 15 Oct 2020 14:07

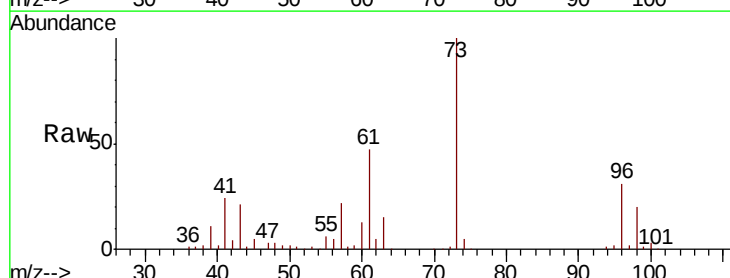
Tgt Ion: 73 Resp: 405676

Ion Ratio Lower Upper

73 100

43 21.2 16.9 25.3

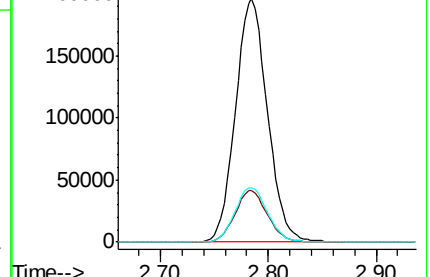
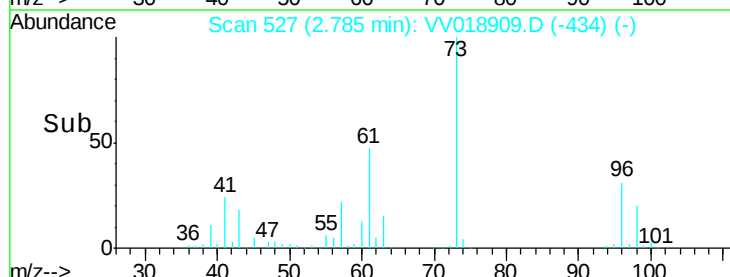
57 23.0 18.3 27.5

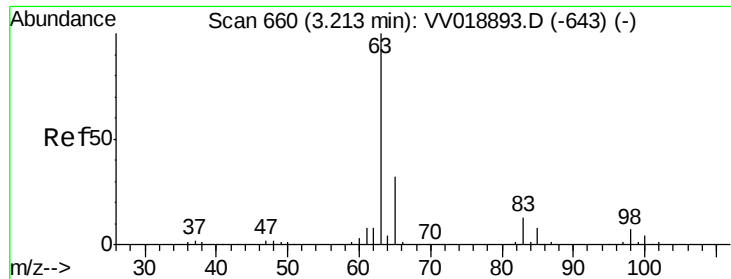


Abundance Ion 73.00 (72.70 to 73.70): VV018909.D (-434) (-)

Ion 43.00 (42.70 to 43.70): VV018909.D (-434) (-)

Ion 57.00 (56.70 to 57.70): VV018909.D (-434) (-)

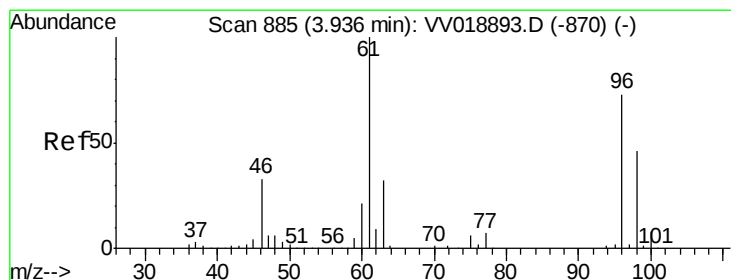
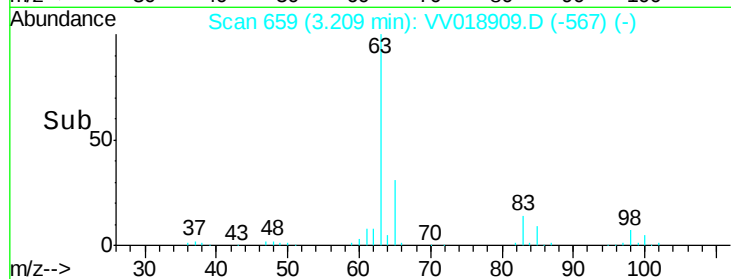
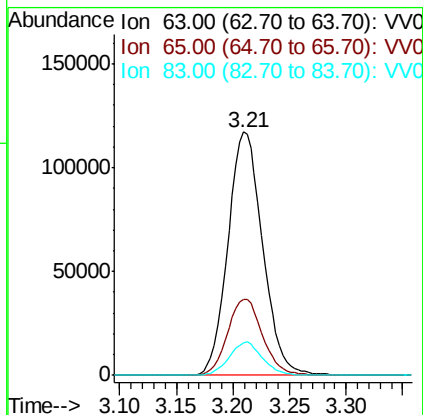
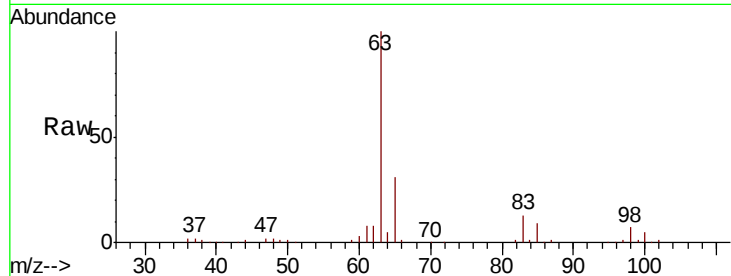




#19
 1,1-Dichloroethane
 Concen: 48.671 ug/L
 RT: 3.21 min Scan# 659
 Delta R.T. -0.00 min
 Lab File: VV018909.D
 Acq: 15 Oct 2020 14:07

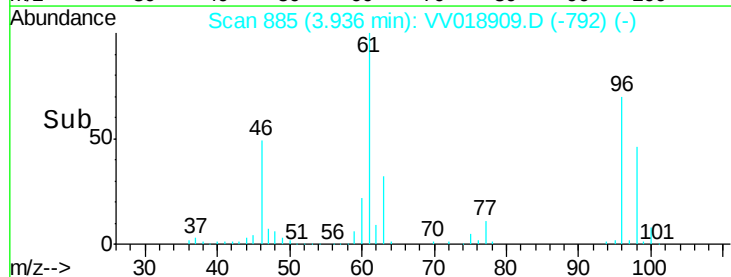
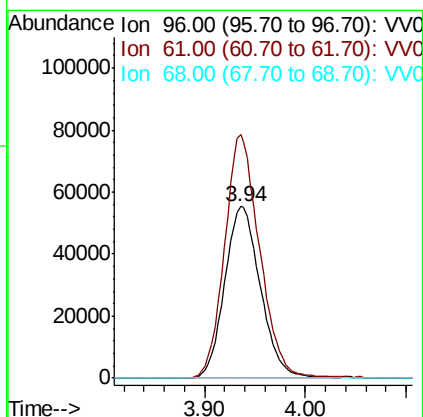
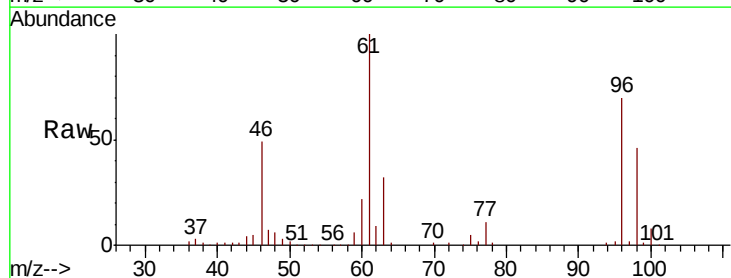
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05090

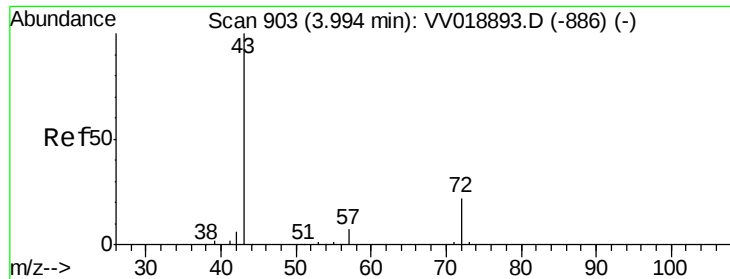
Tot Ion: 63 Resp: 250728
 Ion Ratio Lower Upper
 63 100
 65 31.3 22.5 41.9
 83 13.5 9.3 17.3



#20
 cis-1,2-Dichloroethene
 Concen: 48.501 ug/L
 RT: 3.94 min Scan# 885
 Delta R.T. -0.00 min
 Lab File: VV018909.D
 Acq: 15 Oct 2020 14:07

Tgt Ion: 96 Resp: 136120
 Ion Ratio Lower Upper
 96 100
 61 141.9 96.1 178.5
 68 0.0 0.0 0.0





#22

2-Butanone

Concen: 104.622 ug/L

RT: 4.00 min Scan# 904

Delta R.T. 0.00 min

Lab File: VV018909.D

Acq: 15 Oct 2020 14:07

Instrument :

MSVOA_V

ClientSampleId :

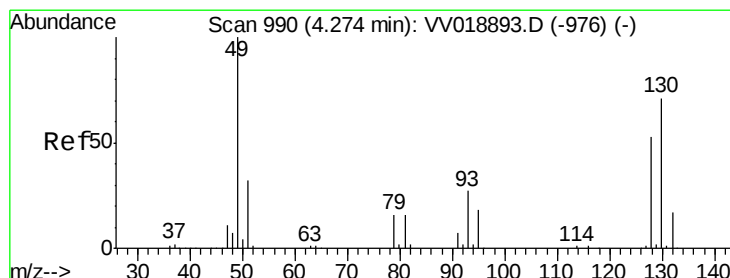
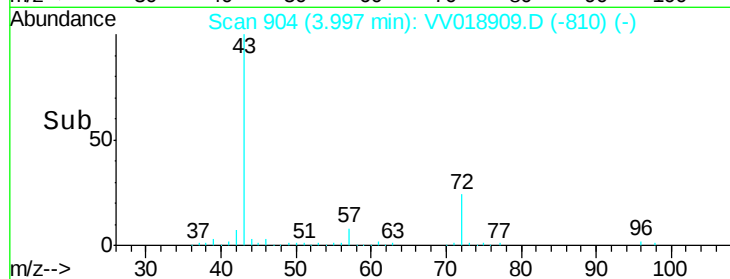
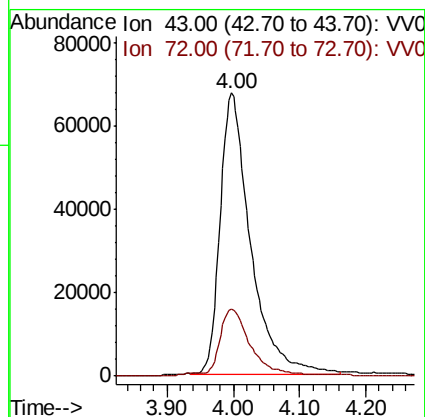
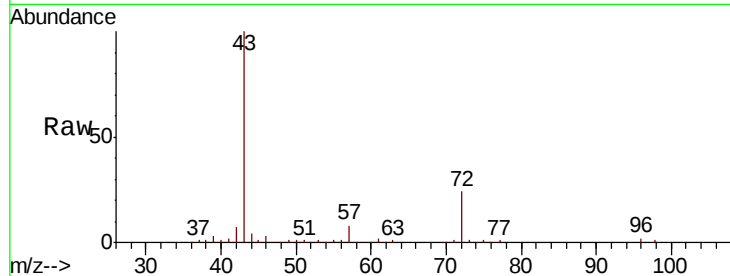
VSTD05090

Tot Ion: 43 Resp: 216407

Ion Ratio Lower Upper

43 100

72 22.2 10.9 32.9



#23

Bromochloromethane

Concen: 48.873 ug/L

RT: 4.27 min Scan# 990

Delta R.T. -0.00 min

Lab File: VV018909.D

Acq: 15 Oct 2020 14:07

Tgt Ion: 128 Resp: 70838

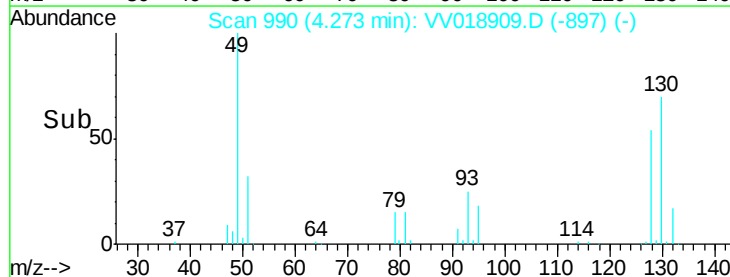
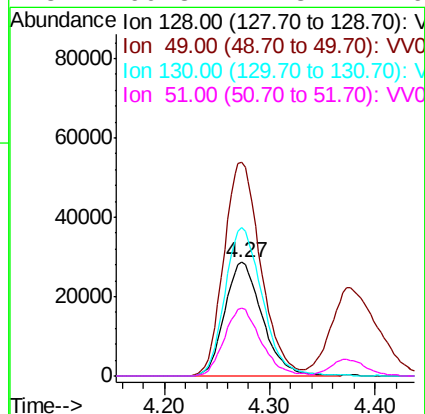
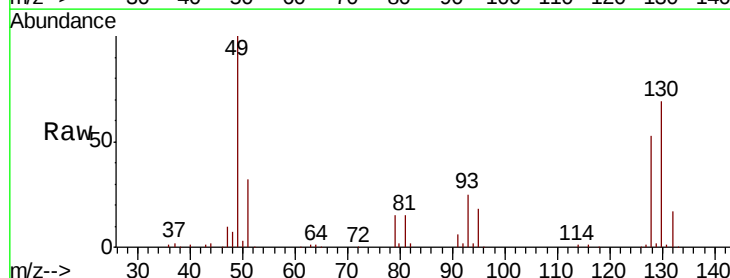
Ion Ratio Lower Upper

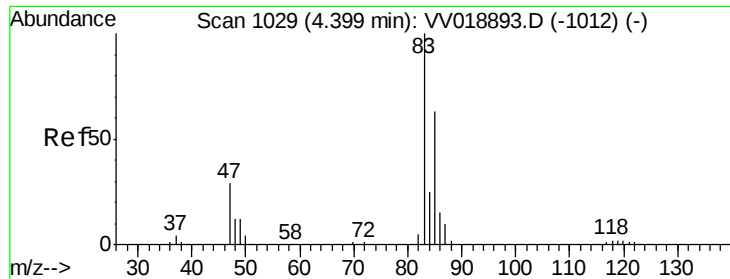
128 100

49 188.4 131.7 244.7

130 130.7 92.8 172.4

51 60.3 47.8 71.6

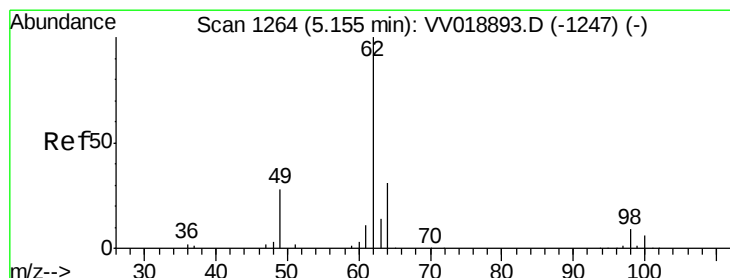
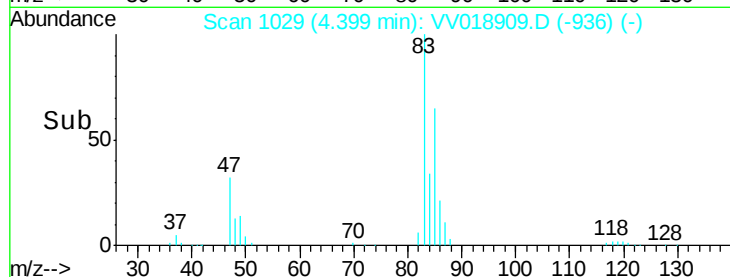
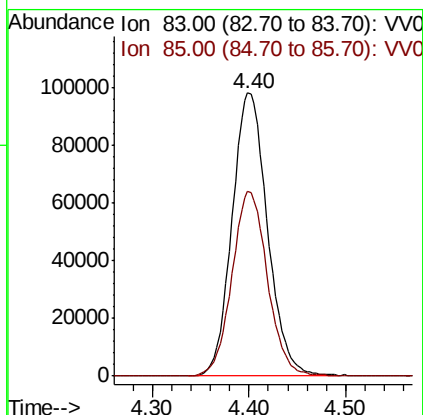
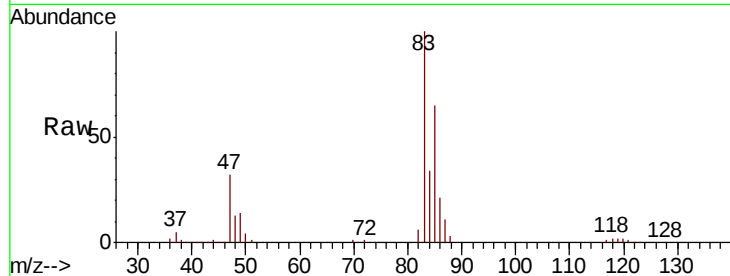




#25
Chloroform
Concen: 48.163 ug/L
RT: 4.40 min Scan# 1029
Delta R.T. -0.00 min
Lab File: VV018909.D
Acq: 15 Oct 2020 14:07

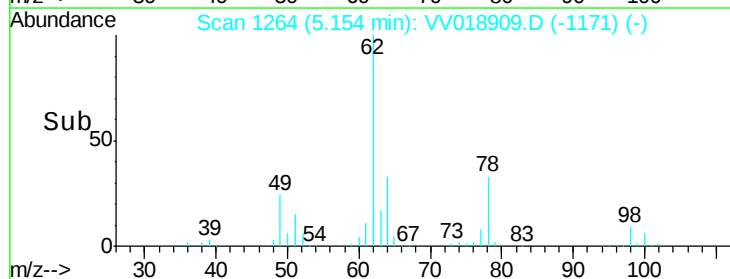
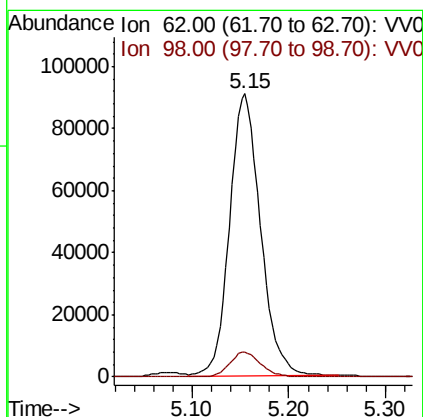
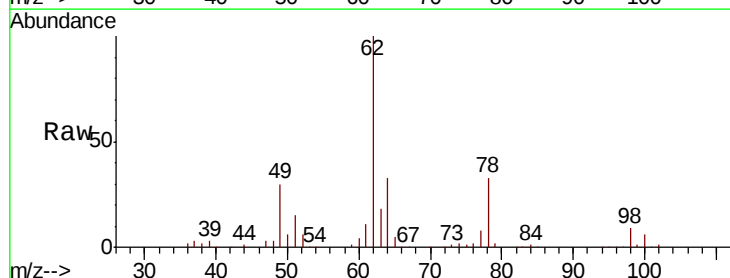
Instrument :
MSVOA_V
ClientSampleId :
VSTD05090

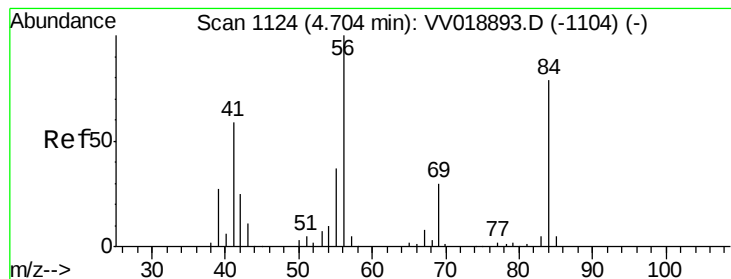
Tot Ion: 83 Resp: 249500
Ion Ratio Lower Upper
83 100
85 65.1 44.6 82.8



#27
1,2-Dichloroethane
Concen: 47.876 ug/L
RT: 5.15 min Scan# 1264
Delta R.T. -0.00 min
Lab File: VV018909.D
Acq: 15 Oct 2020 14:07

Tgt Ion: 62 Resp: 202597
Ion Ratio Lower Upper
62 100
98 8.9 7.0 10.6





#29

Cyclohexane

Concen: 54.158 ug/L

RT: 4.70 min Scan# 1124

Delta R.T. -0.00 min

Lab File: VV018909.D

Acq: 15 Oct 2020 14:07

Instrument :
MSVOA_V
ClientSampleId :
VSTD05090

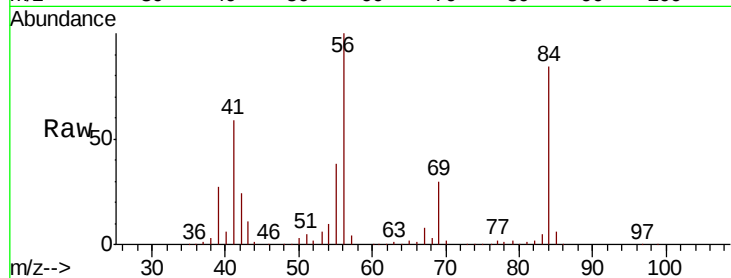
Tot Ion: 56 Resp: 230807

Ion Ratio Lower Upper

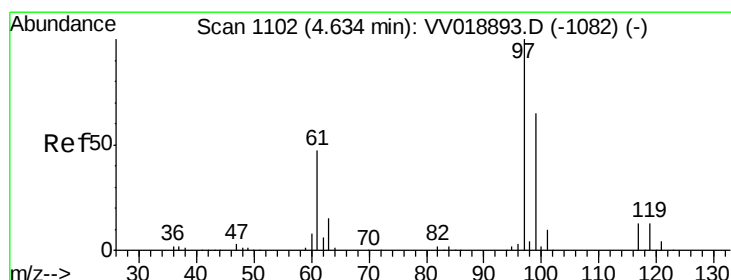
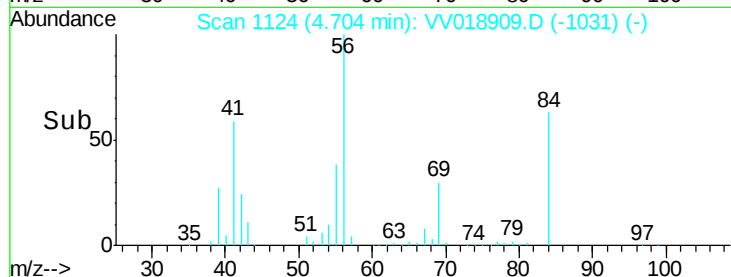
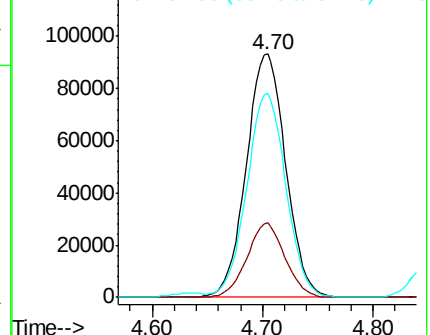
56 100

69 29.4 23.5 35.3

84 83.3 64.7 97.1



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: 49.318 ug/L

RT: 4.63 min Scan# 1102

Delta R.T. -0.00 min

Lab File: VV018909.D

Acq: 15 Oct 2020 14:07

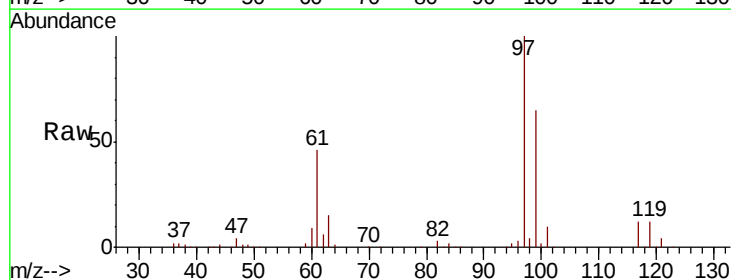
Tgt Ion: 97 Resp: 219454

Ion Ratio Lower Upper

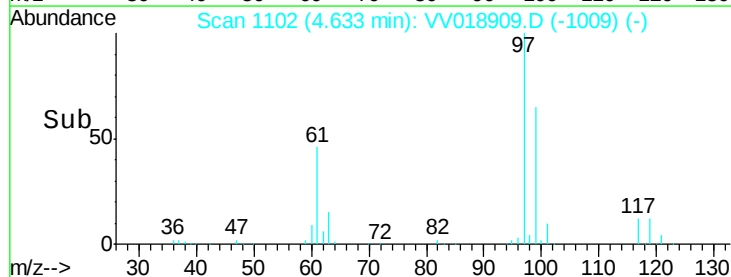
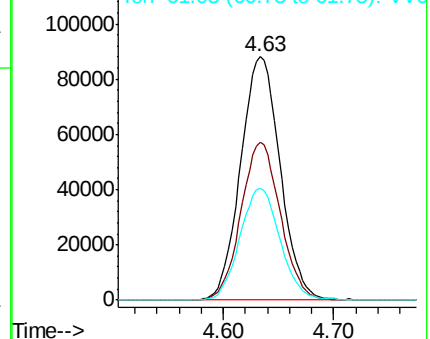
97 100

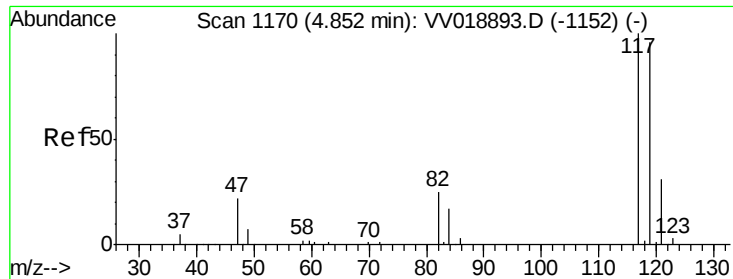
99 64.5 51.2 76.8

61 46.9 37.5 56.3



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

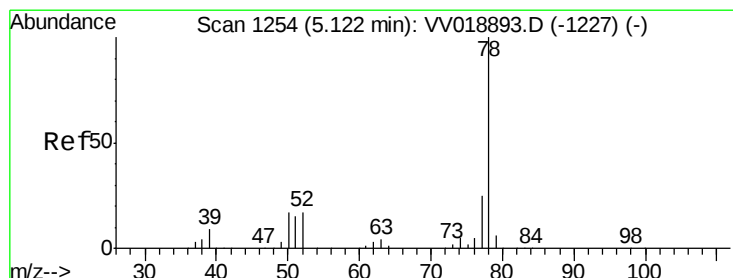
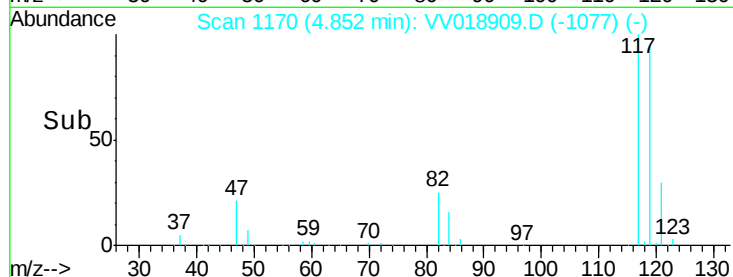
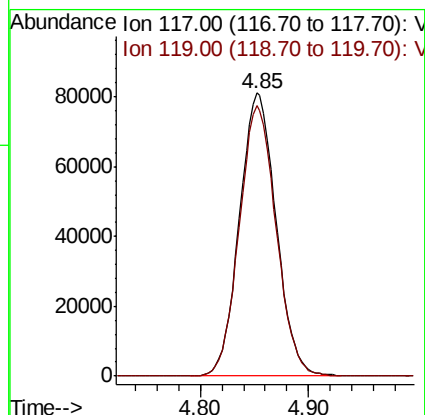
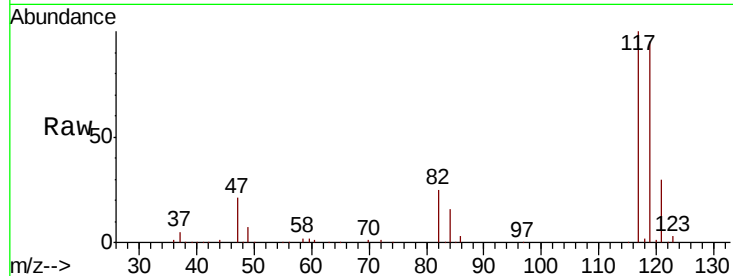




#31
Carbon tetrachloride
Concen: 50.453 ug/L
RT: 4.85 min Scan# 1170
Delta R.T. -0.00 min
Lab File: VV018909.D
Acq: 15 Oct 2020 14:07

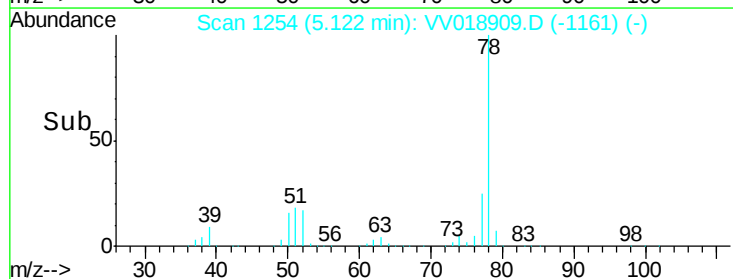
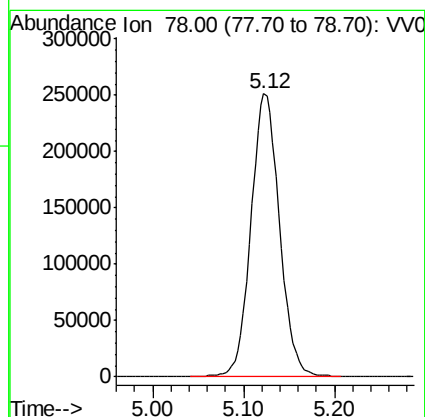
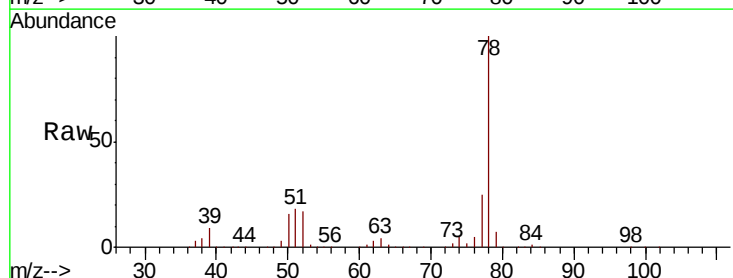
Instrument :
MSVOA_V
ClientSampleId :
VSTD05090

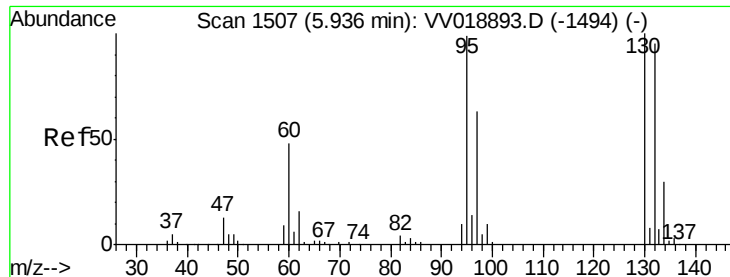
Tot Ion:117 Resp: 191077
Ion Ratio Lower Upper
117 100
119 96.1 76.9 115.3



#33
Benzene
Concen: 49.830 ug/L
RT: 5.12 min Scan# 1254
Delta R.T. -0.00 min
Lab File: VV018909.D
Acq: 15 Oct 2020 14:07

Tgt Ion: 78 Resp: 547780





#34

Trichloroethene

Concen: 48.138 ug/L

RT: 5.94 min Scan# 1507

Delta R.T. -0.00 min

Lab File: VV018909.D

Acq: 15 Oct 2020 14:07

Instrument :

MSVOA_V

ClientSampleId :

VSTD05090

Tot Ion: 95 Resp: 152601

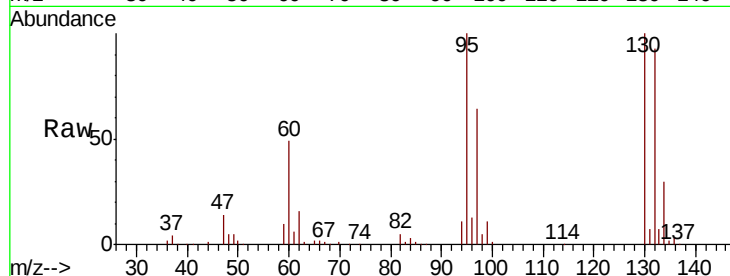
Ion Ratio Lower Upper

95 100

97 63.6 44.7 82.9

132 93.0 67.0 124.4

130 99.5 70.8 131.6

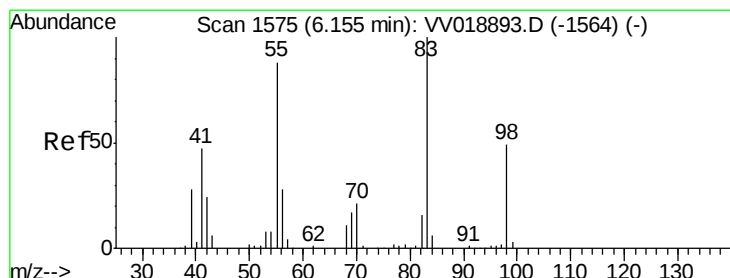
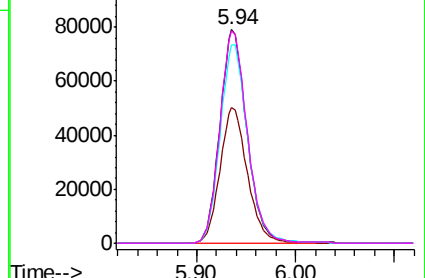
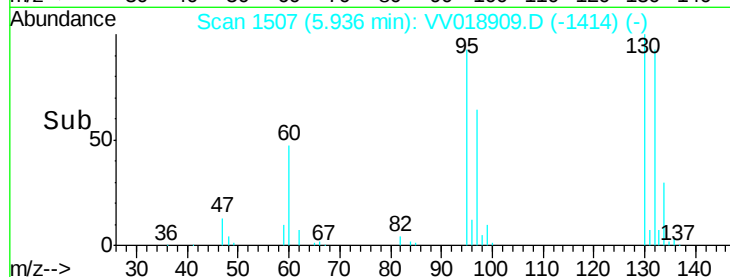


Abundance Ion 95.00 (94.70 to 95.70): VV0

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: 54.236 ug/L

RT: 6.15 min Scan# 1575

Delta R.T. -0.00 min

Lab File: VV018909.D

Acq: 15 Oct 2020 14:07

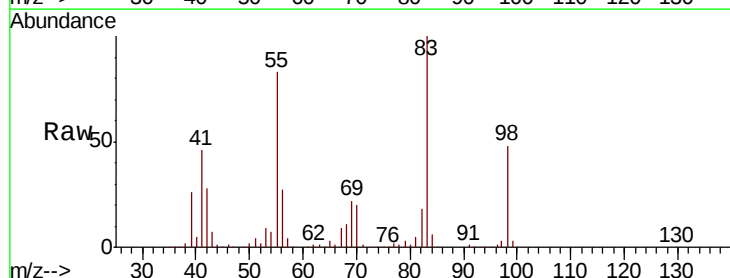
Tgt Ion: 83 Resp: 208229

Ion Ratio Lower Upper

83 100

55 82.0 67.3 100.9

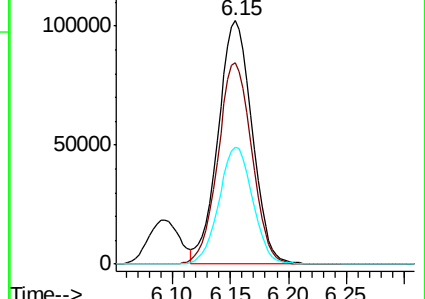
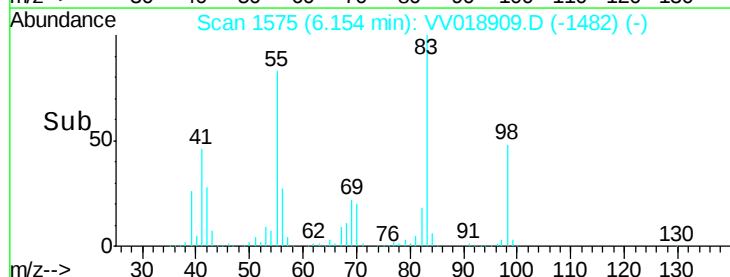
98 47.7 37.9 56.9

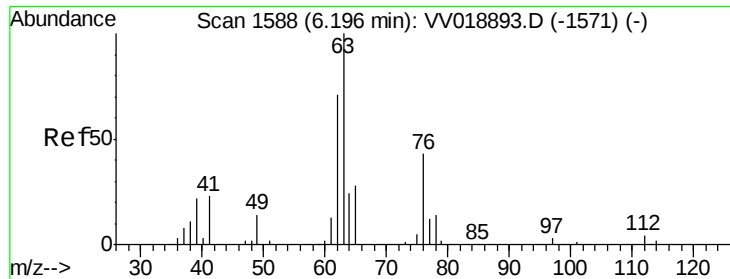


Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 55.00 (54.70 to 55.70): VV0

Ion 98.00 (97.70 to 98.70): VV0





#37

1,2-Dichloropropane

Concen: 48.919 ug/L

RT: 6.20 min Scan# 1588

Delta R.T. -0.00 min

Lab File: VV018909.D

Acq: 15 Oct 2020 14:07

Instrument :

MSVOA_V

ClientSampleId :

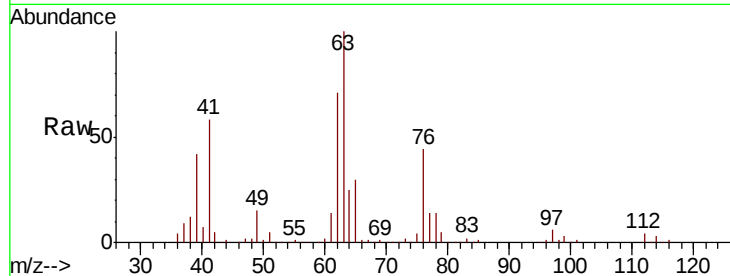
VSTD05090

Tot Ion: 63 Resp: 143959

Ion Ratio Lower Upper

63 100

112 4.4 3.3 4.9



Abundance Ion 63.00 (62.70 to 63.70): VV018893.D (-1571) (-)

Ion 112.00 (111.70 to 112.70): VV018893.D (-1571) (-)

6.20

80000

60000

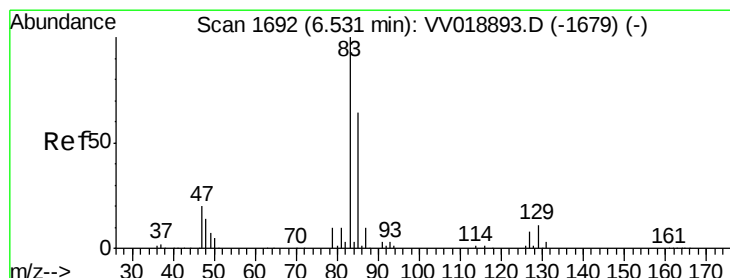
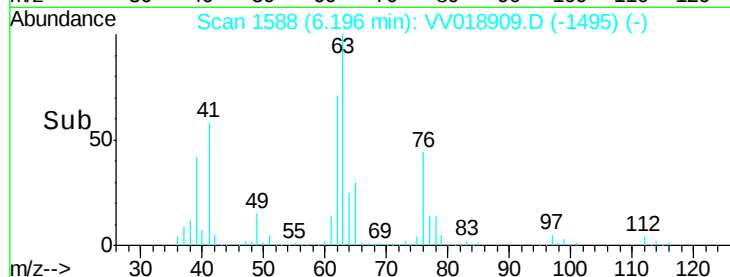
40000

20000

0

6.10 6.15 6.20 6.25 6.30

Time-->



#38

Bromodichloromethane

Concen: 48.616 ug/L

RT: 6.53 min Scan# 1692

Delta R.T. -0.00 min

Lab File: VV018909.D

Acq: 15 Oct 2020 14:07

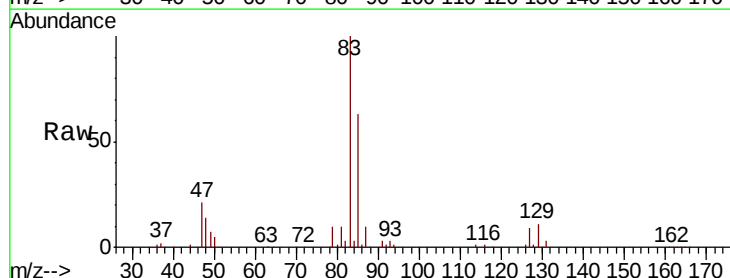
Tgt Ion: 83 Resp: 183426

Ion Ratio Lower Upper

83 100

85 63.4 44.7 83.1

127 8.7 6.6 9.8



Abundance Ion 83.00 (82.70 to 83.70): VV018893.D (-1679) (-)

Ion 85.00 (84.70 to 85.70): VV018893.D (-1679) (-)

Ion 127.00 (126.70 to 127.70): VV018893.D (-1679) (-)

6.53

120000

100000

80000

60000

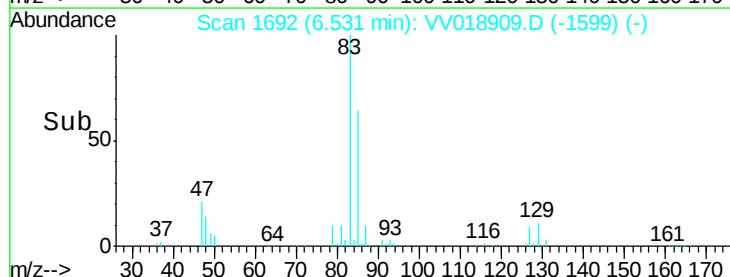
40000

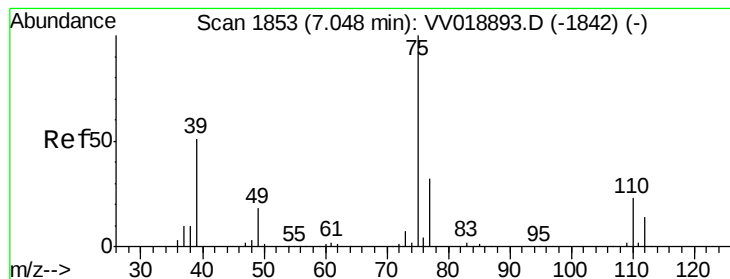
20000

0

6.45 6.50 6.55 6.60

Time-->



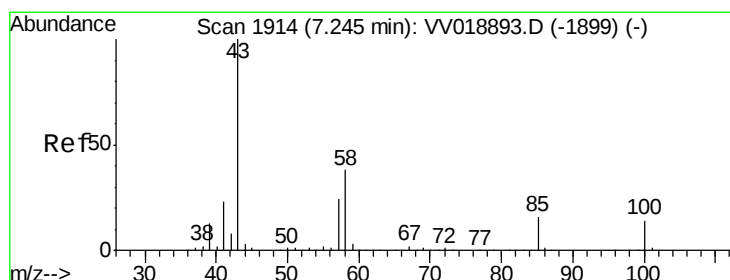
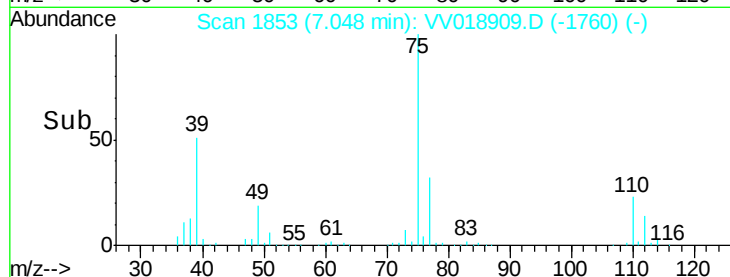
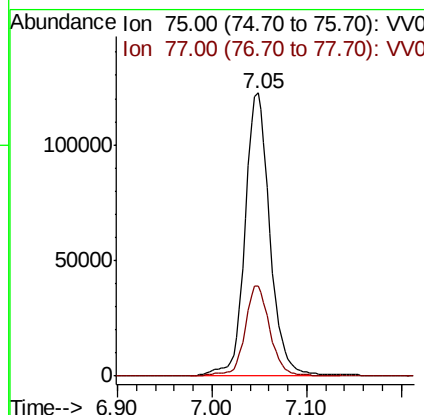
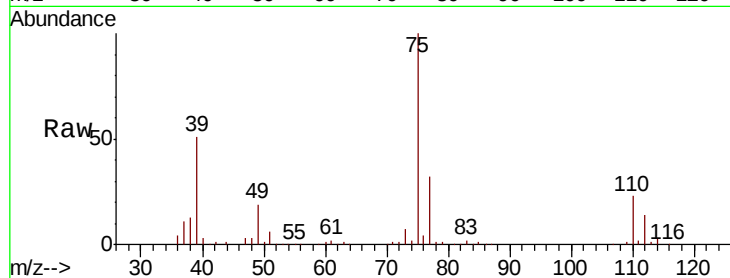


#39

cis-1,3-Dichloropropene
 Concen: 50.749 ug/L
 RT: 7.05 min Scan# 1853
 Delta R.T. -0.00 min
 Lab File: VV018909.D
 Acq: 15 Oct 2020 14:07

Instrument :
 MSVOA_V
 ClientSampled :
 VSTD05090

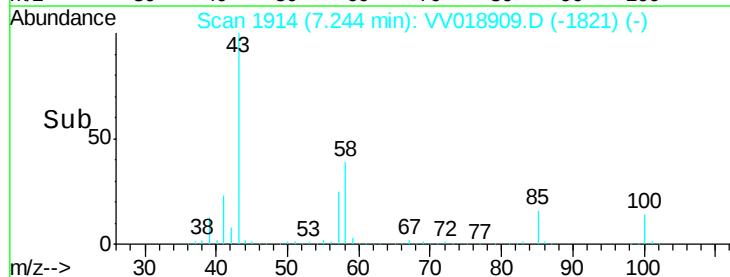
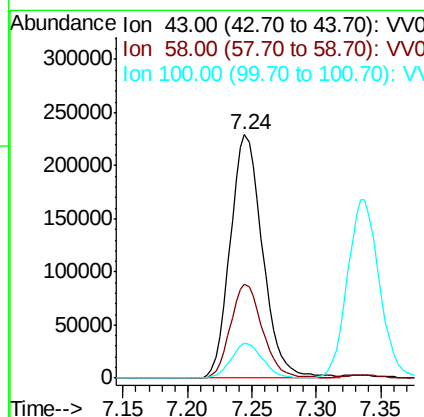
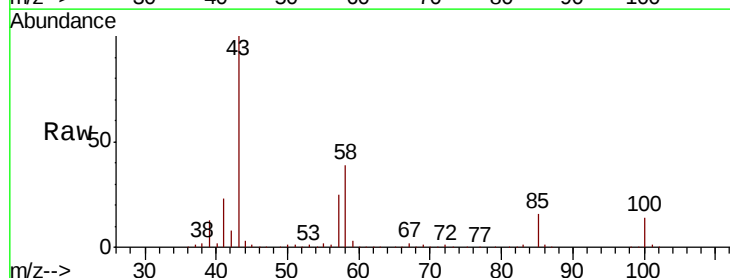
Tot Ion: 75 Resp: 224407
 Ion Ratio Lower Upper
 75 100
 77 31.8 22.5 41.9

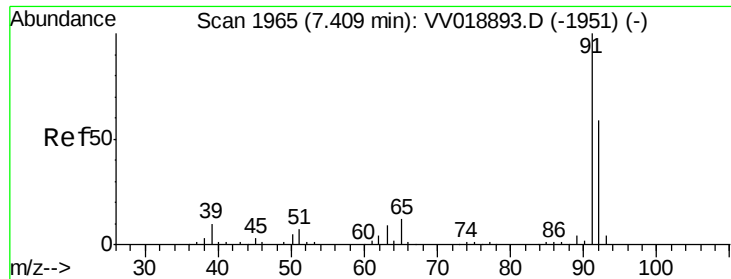


#40

4-Methyl-2-pentanone
 Concen: 98.621 ug/L
 RT: 7.24 min Scan# 1914
 Delta R.T. -0.00 min
 Lab File: VV018909.D
 Acq: 15 Oct 2020 14:07

Tgt Ion: 43 Resp: 400233
 Ion Ratio Lower Upper
 43 100
 58 38.2 30.5 45.7
 100 14.1 11.1 16.7





#42

Toluene

Concen: 51.290 ug/L

RT: 7.41 min Scan# 1965

Delta R.T. -0.00 min

Lab File: VV018909.D

Acq: 15 Oct 2020 14:07

Instrument :

MSVOA_V

ClientSampleId :

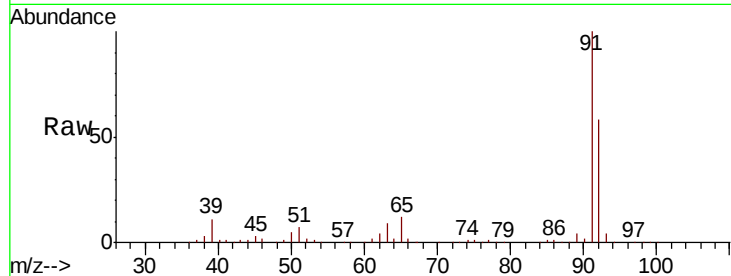
VSTD05090

Tot Ion: 91 Resp: 582340

Ion Ratio Lower Upper

91 100

92 58.2 41.2 76.4



Abundance Ion 91.00 (90.70 to 91.70): VV018893.D (-1951) (-)

Ion 92.00 (91.70 to 92.70): VV018893.D (-1951) (-)

7.41

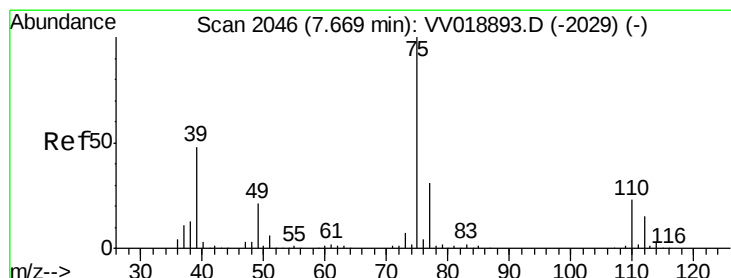
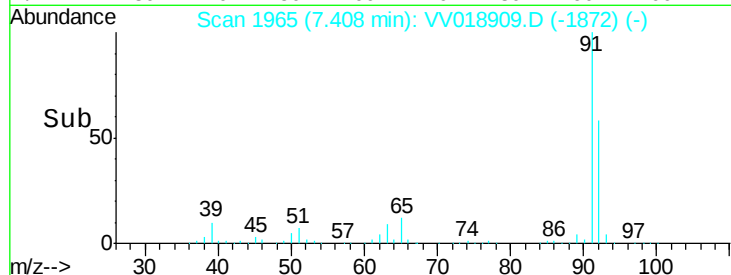
300000

200000

100000

0

Time-->



#44

trans-1,3-Dichloropropene

Concen: 51.382 ug/L

RT: 7.67 min Scan# 2046

Delta R.T. -0.00 min

Lab File: VV018909.D

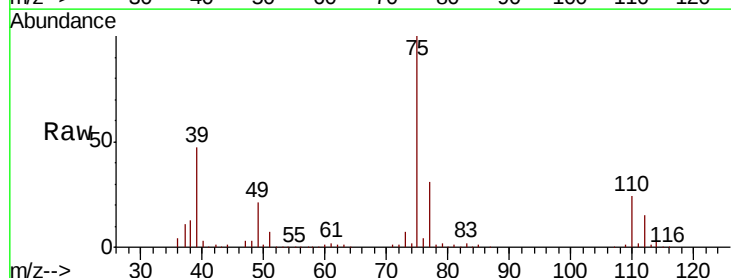
Acq: 15 Oct 2020 14:07

Tgt Ion: 75 Resp: 220176

Ion Ratio Lower Upper

75 100

77 31.3 21.9 40.7



Abundance Ion 75.00 (74.70 to 75.70): VV018893.D (-2029) (-)

Ion 77.00 (76.70 to 77.70): VV018893.D (-2029) (-)

7.67

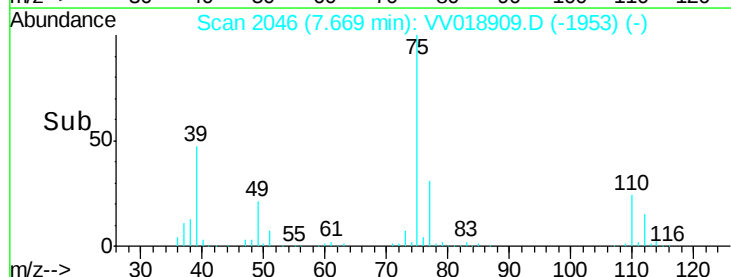
150000

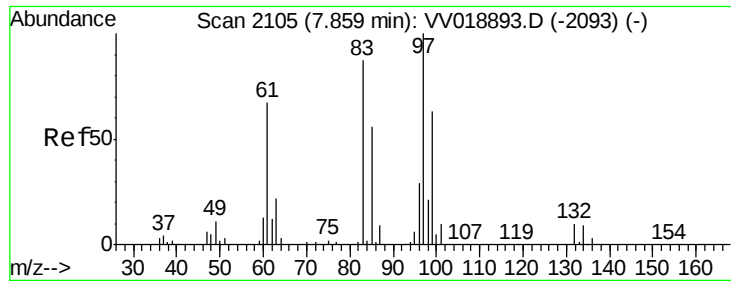
100000

50000

0

Time-->

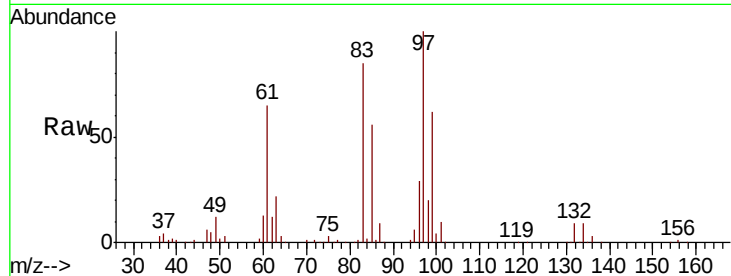




#45
 1,1,2-Trichloroethane
 Concen: 48.195 ug/L
 RT: 7.86 min Scan# 2105
 Delta R.T. -0.00 min
 Lab File: VV018909.D
 Acq: 15 Oct 2020 14:07

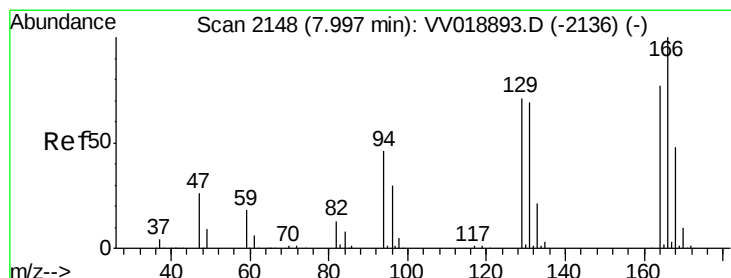
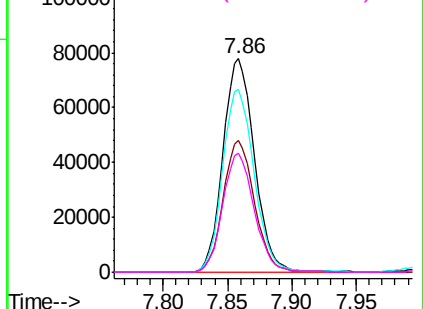
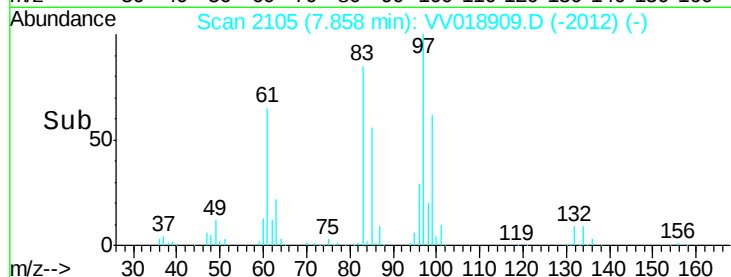
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05090

Tot Ion:	97	Resp:	131927
Ion	Ratio	Lower	Upper
97	100		
99	61.9	43.8	81.4
83	85.4	61.0	113.4
85	55.7	38.9	72.2



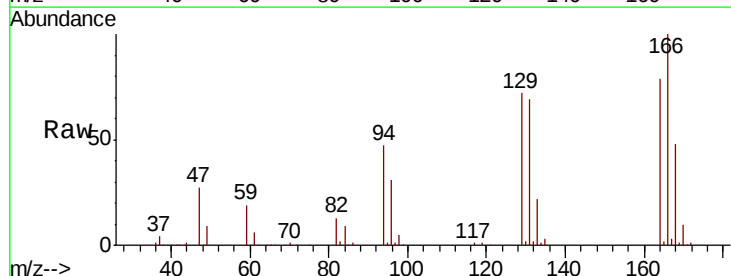
Abundance

Ion 97.00 (96.70 to 97.70): VV018909.D (-2012) (-)



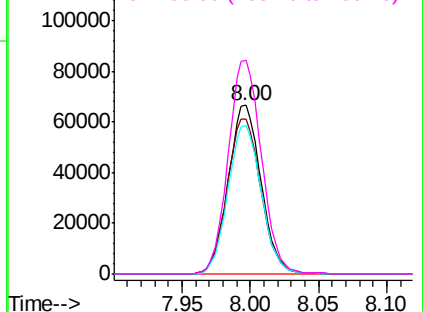
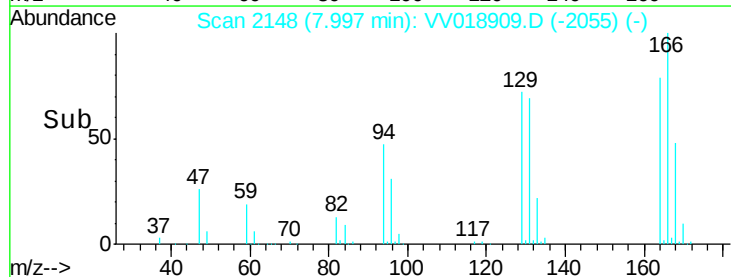
#46
 Tetrachloroethene
 Concen: 49.959 ug/L
 RT: 8.00 min Scan# 2148
 Delta R.T. -0.00 min
 Lab File: VV018909.D
 Acq: 15 Oct 2020 14:07

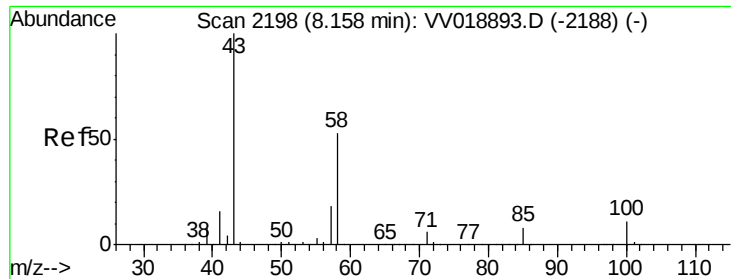
Tgt Ion:	164	Resp:	111614
Ion	Ratio	Lower	Upper
164	100		
129	91.4	65.0	120.8
131	87.8	62.9	116.7
166	126.5	91.1	169.3



Abundance

Ion 164.00 (163.70 to 164.70): VV018909.D (-2055) (-)

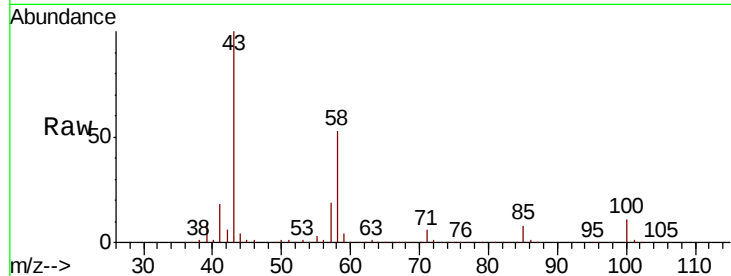




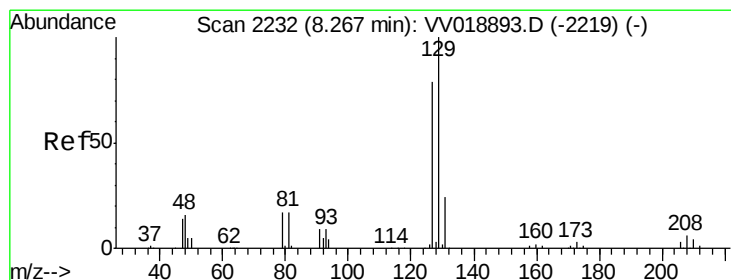
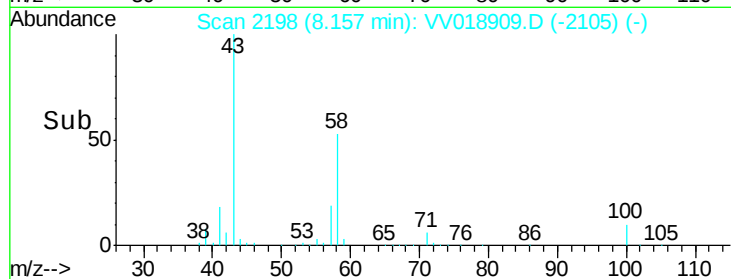
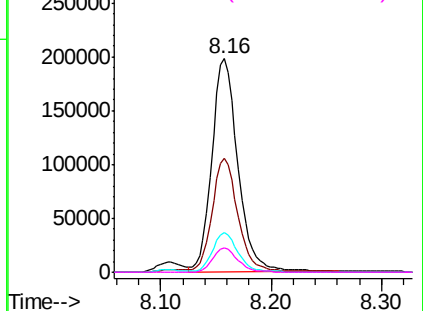
#48
2-Hexanone
Concen: 100.087 ug/L
RT: 8.16 min Scan# 2198
Delta R.T. -0.00 min
Lab File: VV018909.D
Acq: 15 Oct 2020 14:07

Instrument :
MSVOA_V
ClientSampleId :
VSTD05090

Tot Ion: 43 Resp: 322053
Ion Ratio Lower Upper
43 100
58 52.7 42.5 63.7
57 18.4 14.5 21.7
100 11.3 9.0 13.4

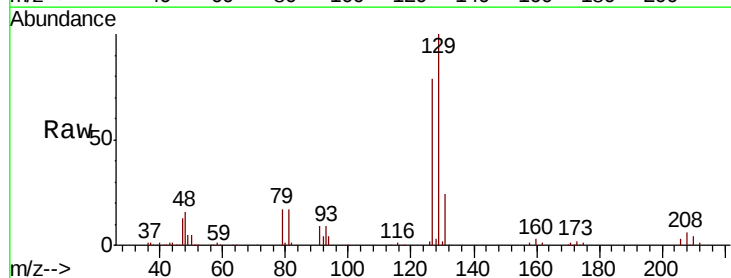


Abundance Ion 43.00 (42.70 to 43.70): VV018893.D (-2188) (-)
Ion 58.00 (57.70 to 58.70): VV018893.D (-2188) (-)
Ion 57.00 (56.70 to 57.70): VV018893.D (-2188) (-)
Ion 100.00 (99.70 to 100.70): VV018893.D (-2188) (-)

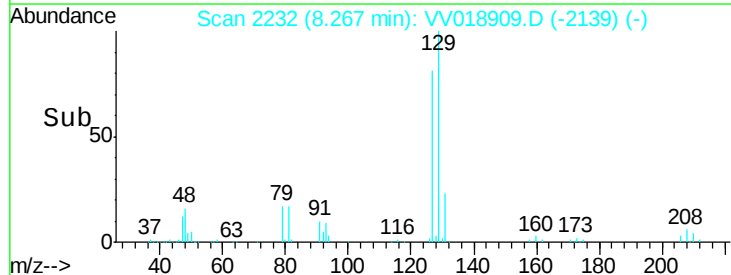
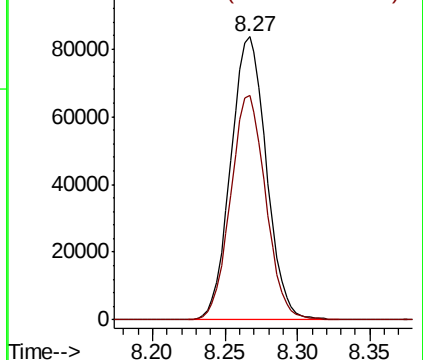


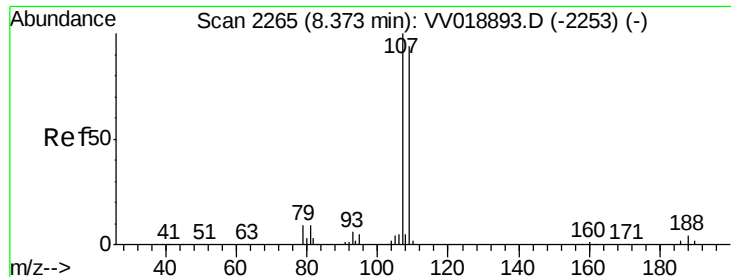
#49
Dibromochloromethane
Concen: 49.268 ug/L
RT: 8.27 min Scan# 2232
Delta R.T. -0.00 min
Lab File: VV018909.D
Acq: 15 Oct 2020 14:07

Tgt Ion: 129 Resp: 142778
Ion Ratio Lower Upper
129 100
127 79.3 55.2 102.6



Abundance Ion 129.00 (128.70 to 129.70): VV018893.D (-2219) (-)
Ion 127.00 (126.70 to 127.70): VV018893.D (-2219) (-)

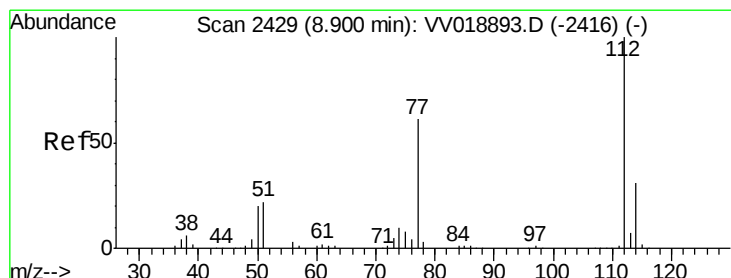
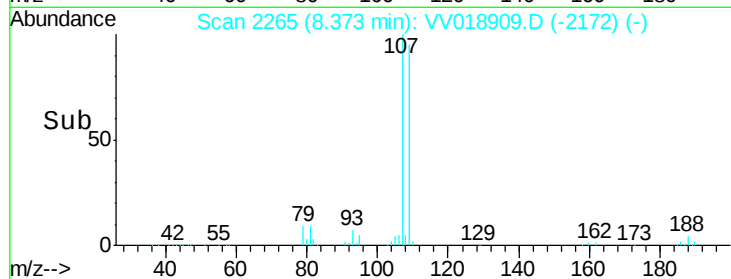
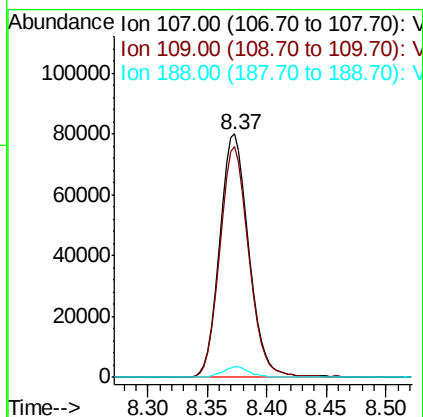
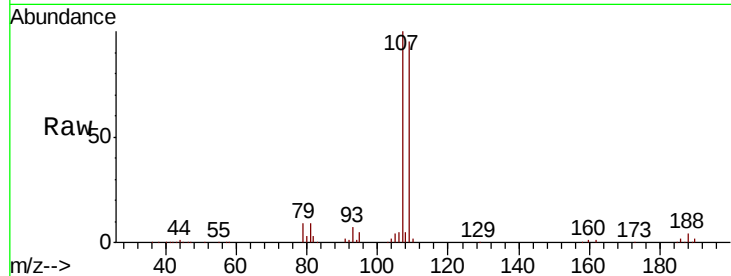




#50
1,2-Dibromoethane
Concen: 47.726 ug/L
RT: 8.37 min Scan# 2265
Delta R.T. -0.00 min
Lab File: VV018909.D
Acq: 15 Oct 2020 14:07

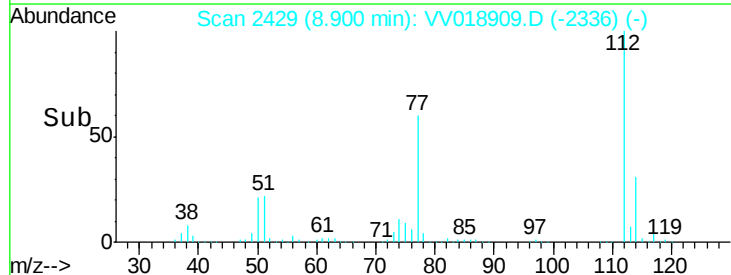
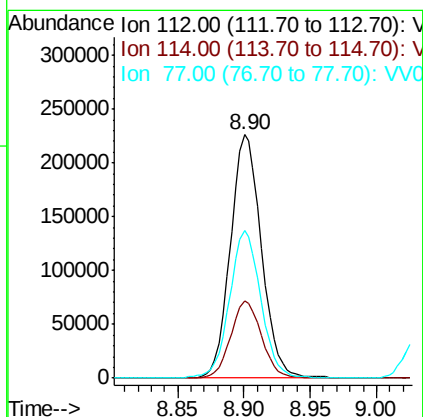
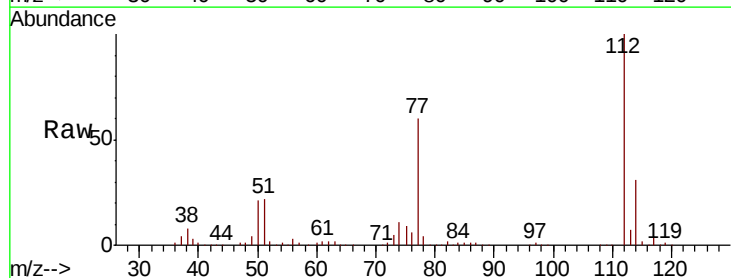
Instrument :
MSVOA_V
ClientSampleId :
VSTD05090

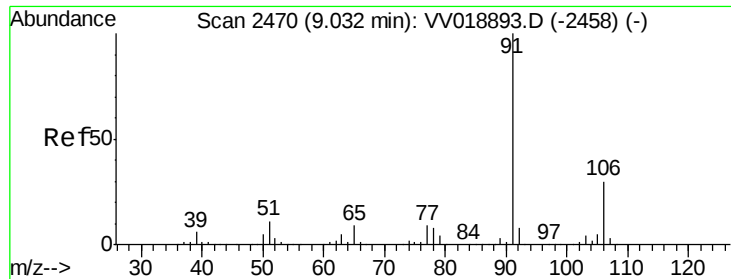
Tot Ion:107 Resp: 136151
Ion Ratio Lower Upper
107 100
109 94.8 65.8 122.2
188 4.3 3.2 4.8



#51
Chlorobenzene
Concen: 49.611 ug/L
RT: 8.90 min Scan# 2429
Delta R.T. -0.00 min
Lab File: VV018909.D
Acq: 15 Oct 2020 14:07

Tgt Ion:112 Resp: 367233
Ion Ratio Lower Upper
112 100
114 31.5 21.8 40.6
77 60.5 49.2 73.8





#52

Ethylbenzene

Concen: 52.079 ug/L

RT: 9.03 min Scan# 2470

Delta R.T. -0.00 min

Lab File: VV018909.D

Acq: 15 Oct 2020 14:07

Instrument :

MSVOA_V

ClientSampleId :

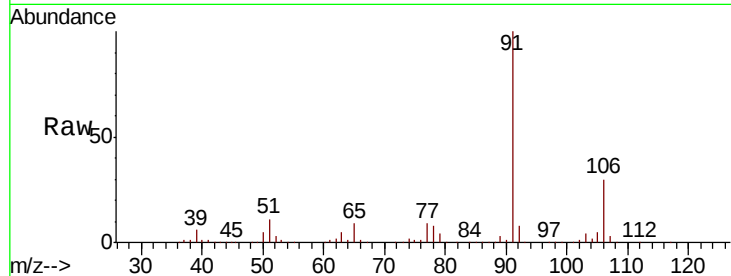
VSTD05090

Tot Ion: 91 Resp: 640094

Ion Ratio Lower Upper

91 100

106 30.2 20.9 38.9



Abundance Ion 91.00 (90.70 to 91.70): VV018893.D (-2458) (-)

Ion 106.00 (105.70 to 106.70): VV018893.D (-2458) (-)

9.03

400000

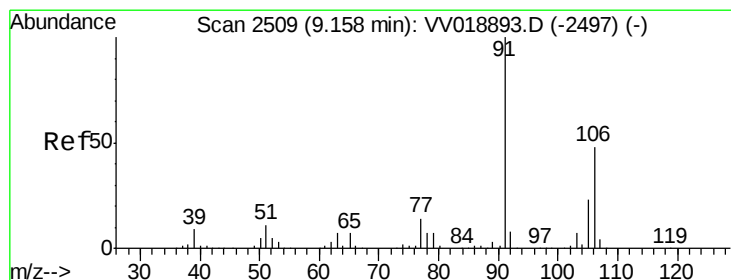
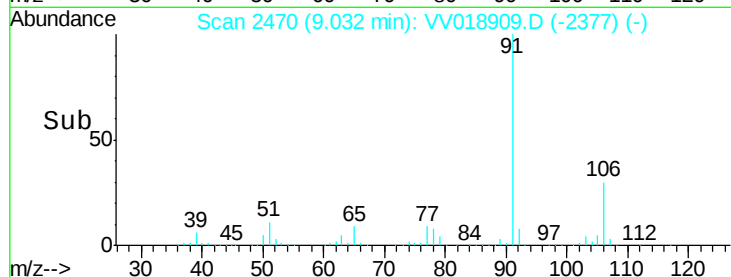
300000

200000

100000

0

Time-->



#53

m,p-Xylene

Concen: 52.470 ug/L

RT: 9.16 min Scan# 2509

Delta R.T. -0.00 min

Lab File: VV018909.D

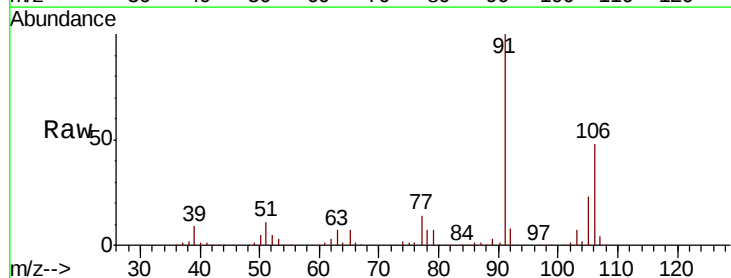
Acq: 15 Oct 2020 14:07

Tgt Ion: 106 Resp: 240261

Ion Ratio Lower Upper

106 100

91 208.2 145.9 270.9



Abundance Ion 106.00 (105.70 to 106.70): VV018893.D (-2497) (-)

Ion 91.00 (90.70 to 91.70): VV018893.D (-2497) (-)

9.16

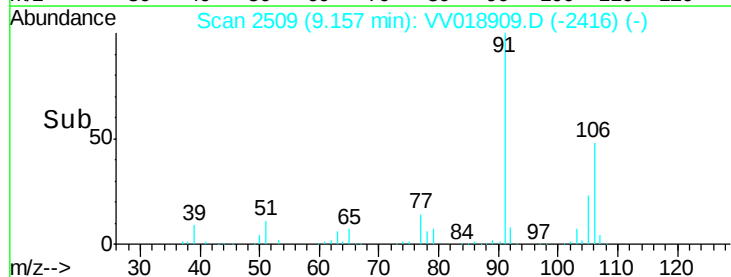
300000

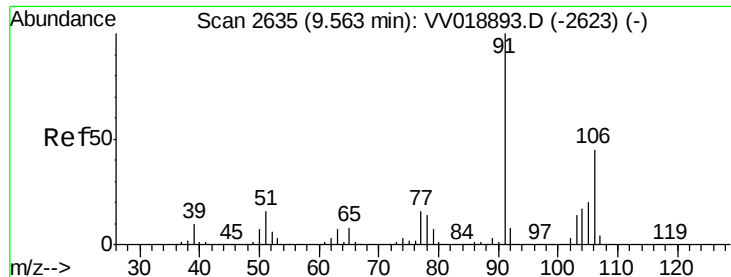
200000

100000

0

Time-->





#54

o-xylene

Concen: 52.464 ug/L

RT: 9.56 min Scan# 2635

Delta R.T. -0.00 min

Lab File: VV018909.D

Acq: 15 Oct 2020 14:07

Instrument :

MSVOA_V

ClientSampleId :

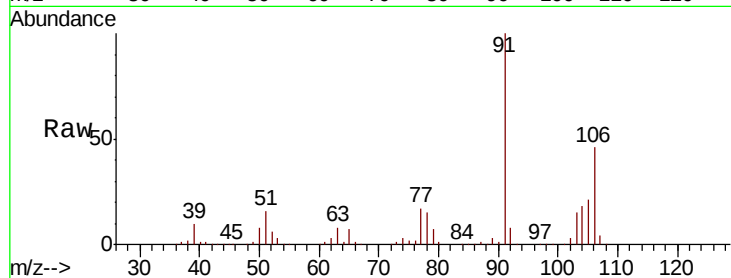
VSTD05090

Tot Ion:106 Resp: 229834

Ion Ratio Lower Upper

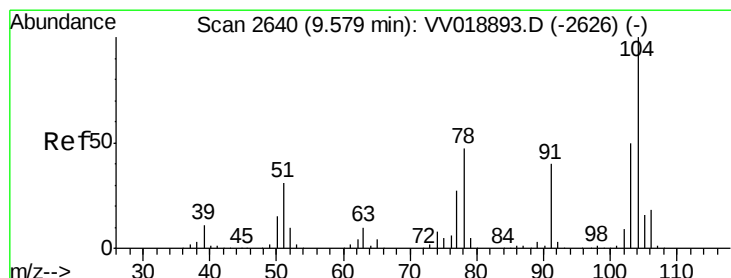
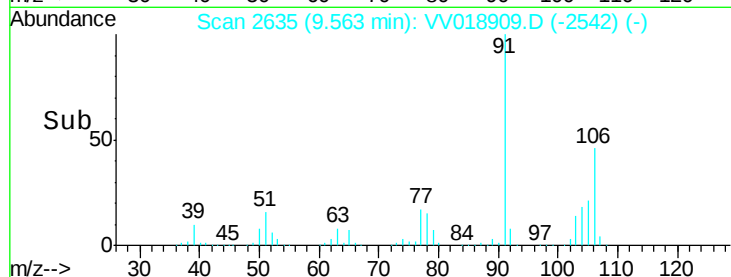
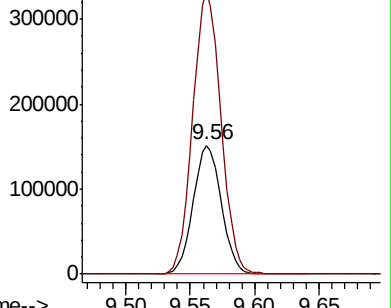
106 100

91 219.2 155.8 289.4



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VV0



#55

Styrene

Concen: 52.876 ug/L

RT: 9.58 min Scan# 2640

Delta R.T. -0.00 min

Lab File: VV018909.D

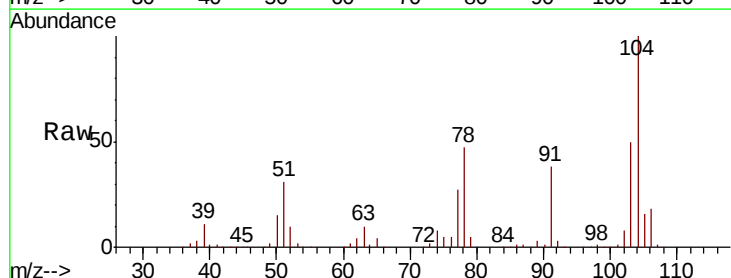
Acq: 15 Oct 2020 14:07

Tgt Ion:104 Resp: 407432

Ion Ratio Lower Upper

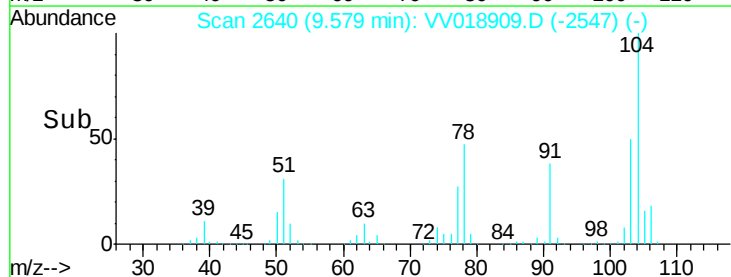
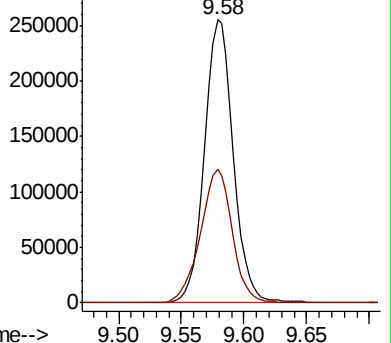
104 100

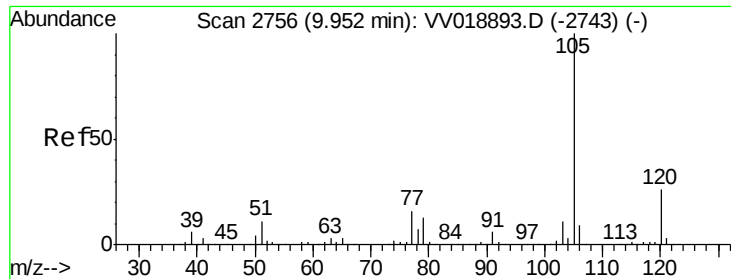
78 47.0 33.2 61.6



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VV0





#56

Isopropylbenzene

Concen: 53.515 ug/L

RT: 9.95 min Scan# 2756

Delta R.T. -0.00 min

Lab File: VV018909.D

Acq: 15 Oct 2020 14:07

Instrument :

MSVOA_V

ClientSampled :

VSTD05090

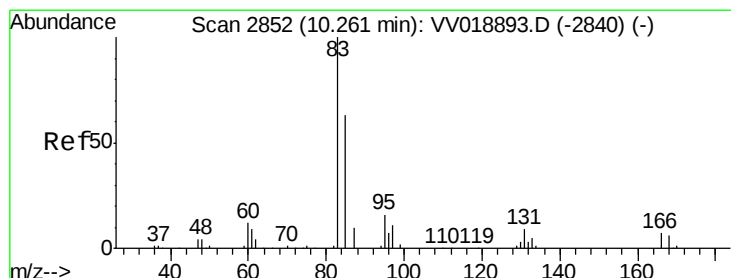
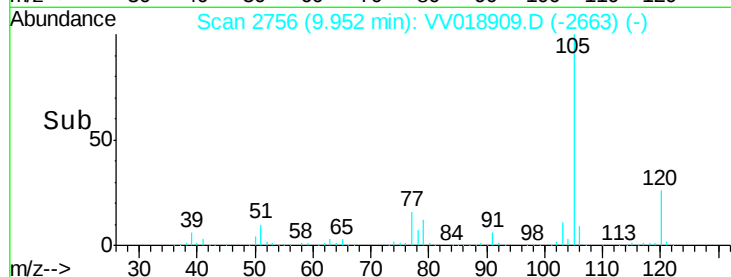
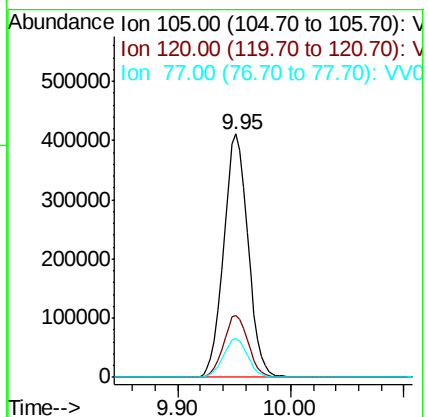
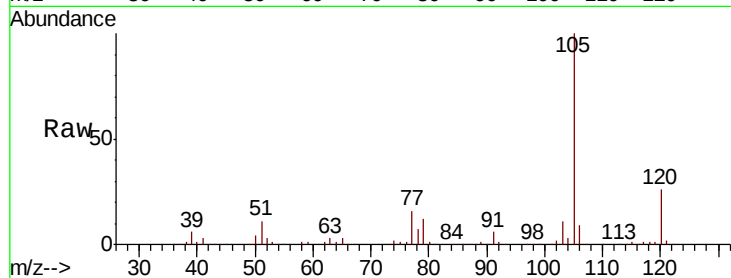
Tot Ion:105 Resp: 615461

Ion Ratio Lower Upper

105 100

120 25.7 20.4 30.6

77 16.1 13.0 19.4



#58

1,1,2,2-Tetrachloroethane

Concen: 48.717 ug/L

RT: 10.26 min Scan# 2852

Delta R.T. -0.00 min

Lab File: VV018909.D

Acq: 15 Oct 2020 14:07

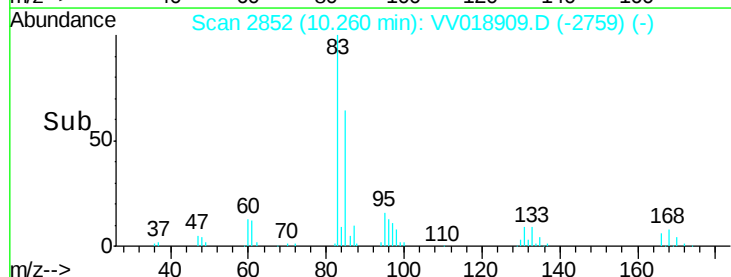
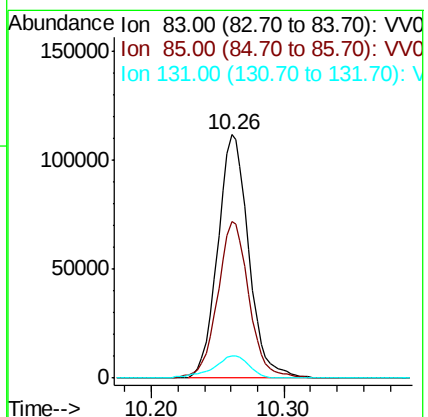
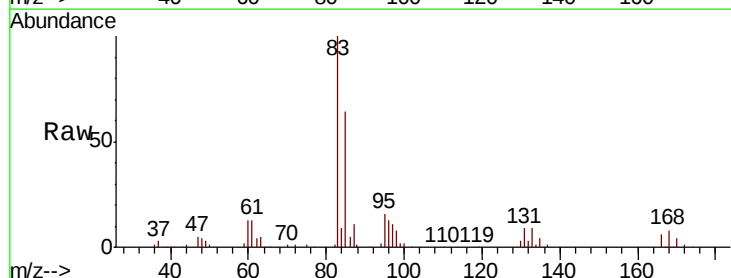
Tgt Ion: 83 Resp: 181075

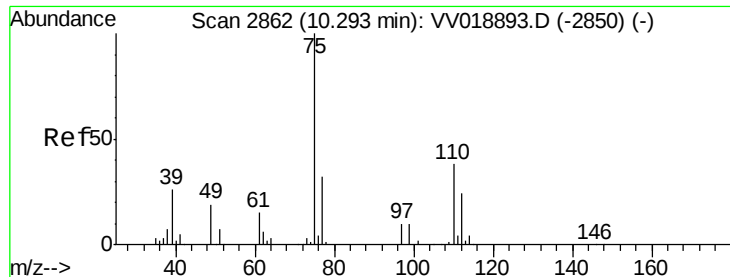
Ion Ratio Lower Upper

83 100

85 64.1 44.7 82.9

131 9.4 7.7 11.5

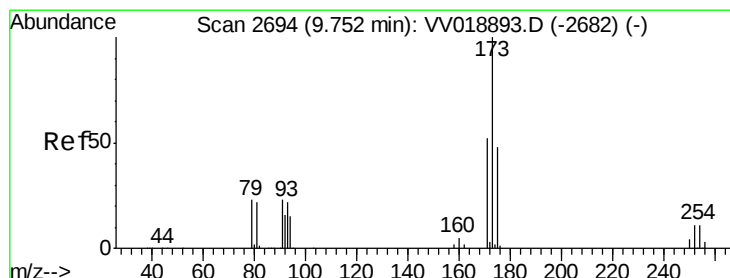
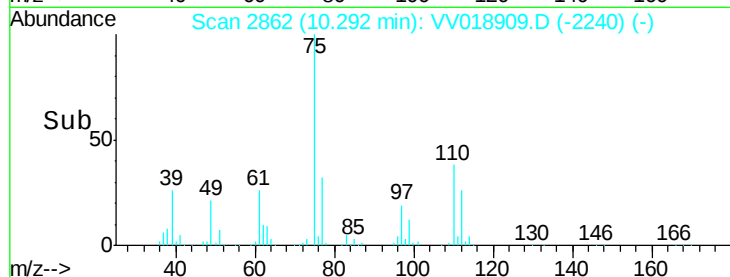
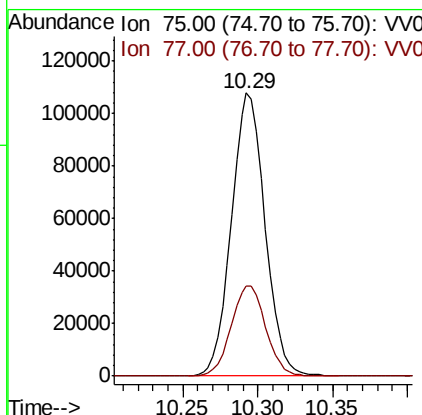
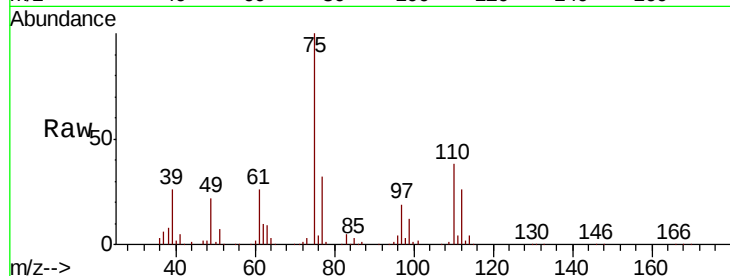




#59
 1,2,3-Trichloropropane
 Concen: 47.443 ug/L
 RT: 10.29 min Scan# 2862
 Delta R.T. -0.00 min
 Lab File: VV018909.D
 Acq: 15 Oct 2020 14:07

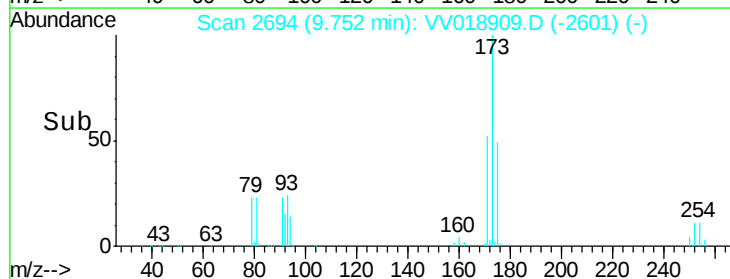
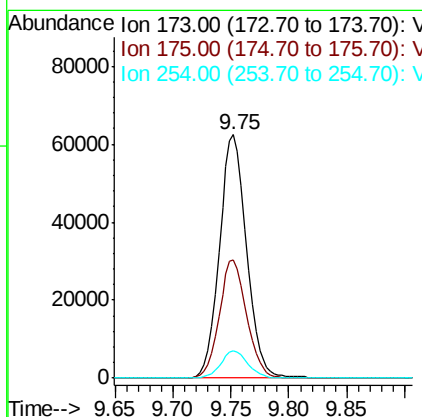
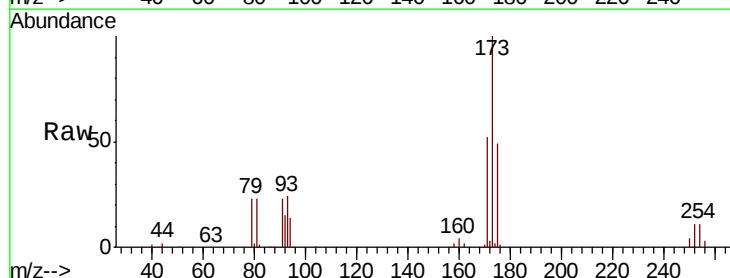
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05090

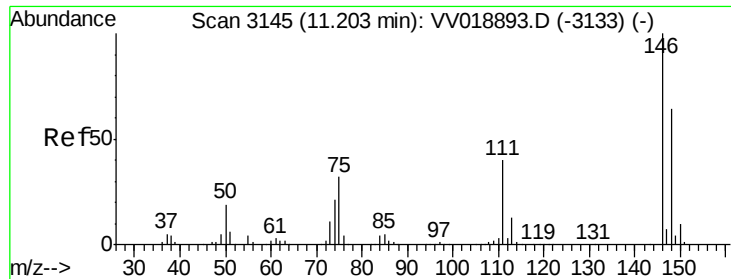
Tot Ion: 75 Resp: 169000
 Ion Ratio Lower Upper
 75 100
 77 32.6 25.4 38.2



#61
 Bromoform
 Concen: 48.339 ug/L
 RT: 9.75 min Scan# 2694
 Delta R.T. -0.00 min
 Lab File: VV018909.D
 Acq: 15 Oct 2020 14:07

Tgt Ion: 173 Resp: 101822
 Ion Ratio Lower Upper
 173 100
 175 48.8 38.2 57.2
 254 11.0 8.6 13.0

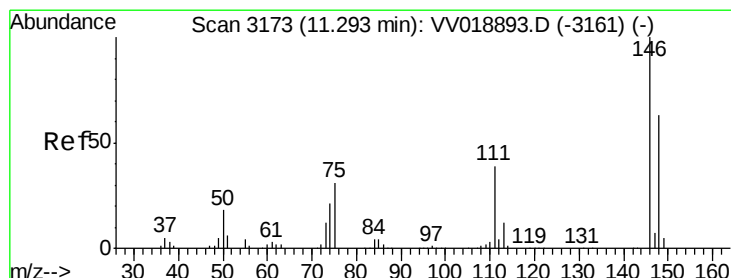
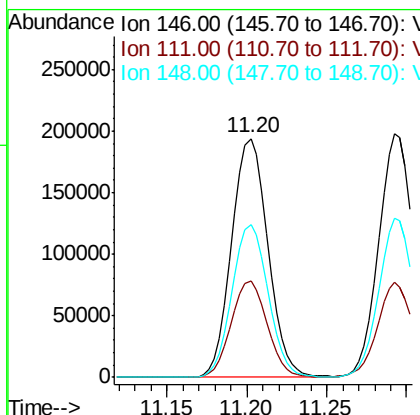
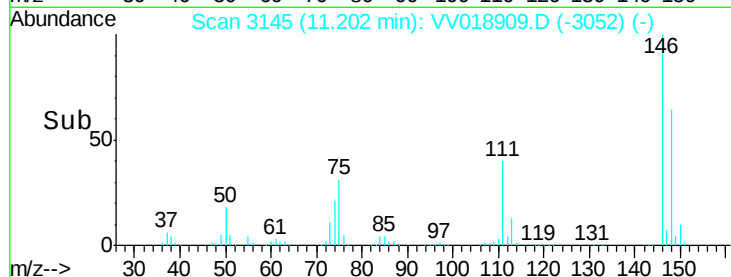
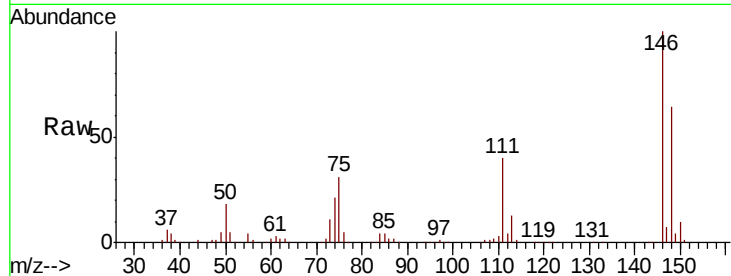




#62
 1,3-Dichlorobenzene
 Concen: 50.117 ug/L
 RT: 11.20 min Scan# 3145
 Delta R.T. -0.00 min
 Lab File: VV018909.D
 Acq: 15 Oct 2020 14:07

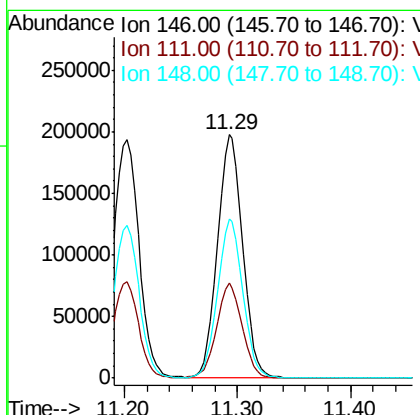
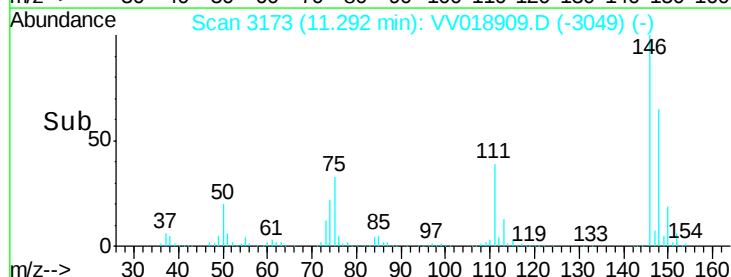
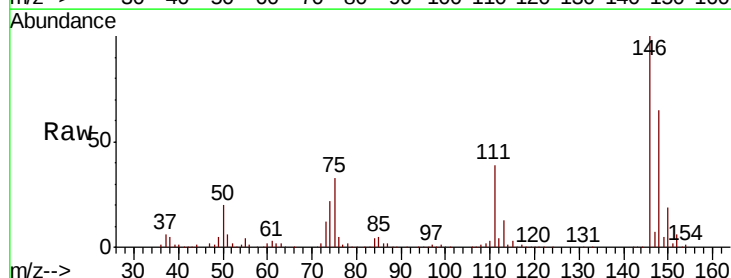
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05090

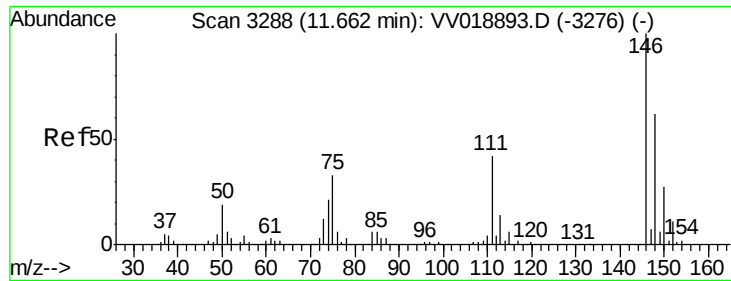
Tot Ion	Ratio	Lower	Upper
146	100		
111	40.1	28.3	52.7
148	63.8	45.1	83.7



#63
 1,4-Dichlorobenzene
 Concen: 48.814 ug/L
 RT: 11.29 min Scan# 3173
 Delta R.T. -0.00 min
 Lab File: VV018909.D
 Acq: 15 Oct 2020 14:07

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.9	27.5	51.1
148	65.1	44.1	81.9





#65

1,2-Dichlorobenzene

Concen: 49.477 ug/L

RT: 11.67 min Scan# 3289

Delta R.T. 0.00 min

Lab File: VV018909.D

Acq: 15 Oct 2020 14:07

Instrument :

MSVOA_V

ClientSampleId :

VSTD05090

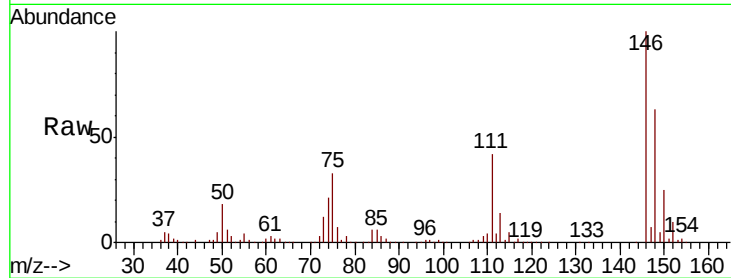
Tot Ion:146 Resp: 298395

Ion Ratio Lower Upper

146 100

111 41.7 33.9 50.9

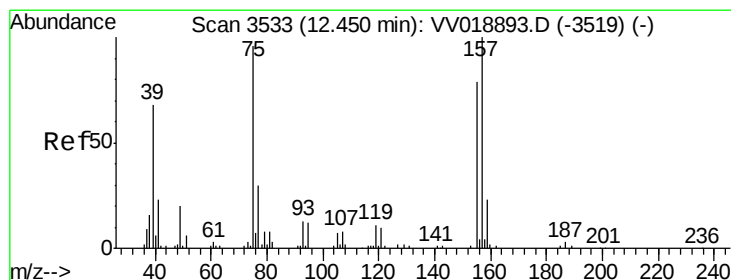
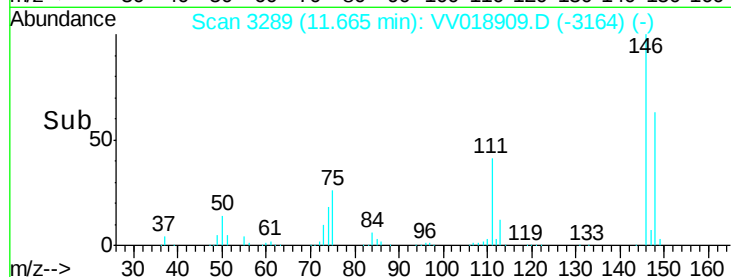
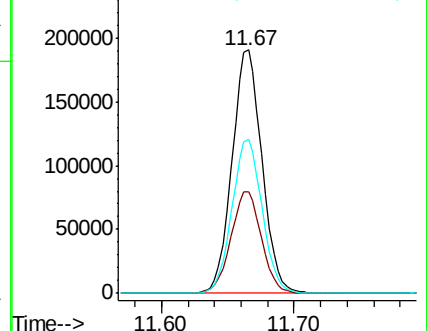
148 63.0 49.8 74.8



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: 45.702 ug/L

RT: 12.45 min Scan# 3533

Delta R.T. -0.00 min

Lab File: VV018909.D

Acq: 15 Oct 2020 14:07

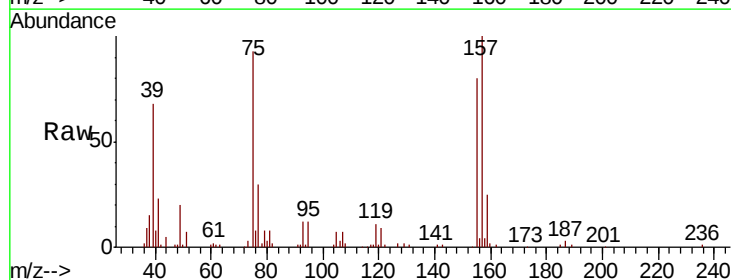
Tgt Ion: 75 Resp: 41075

Ion Ratio Lower Upper

75 100

155 86.5 65.7 98.5

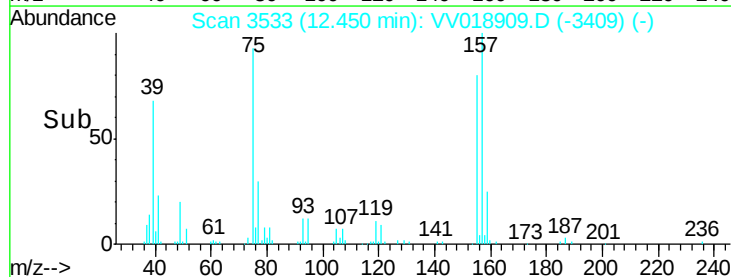
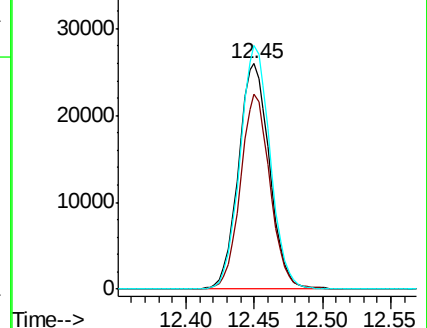
157 108.0 83.0 124.4

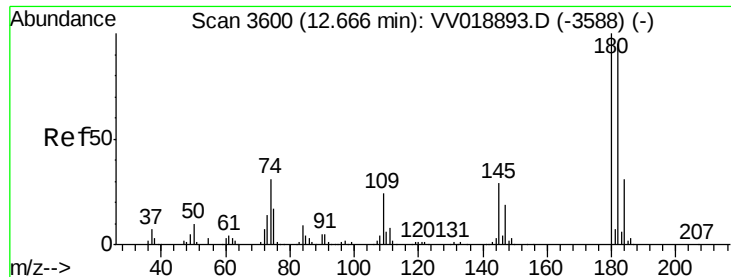


Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

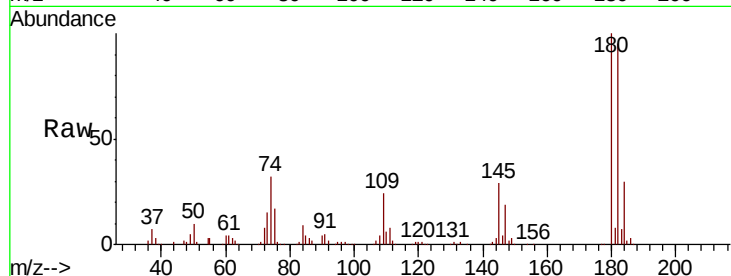




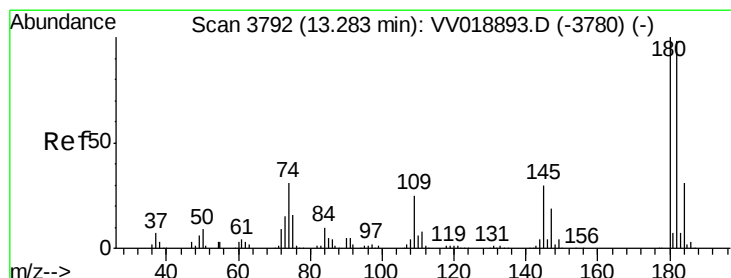
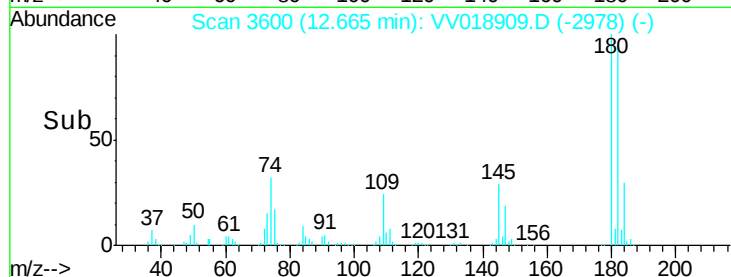
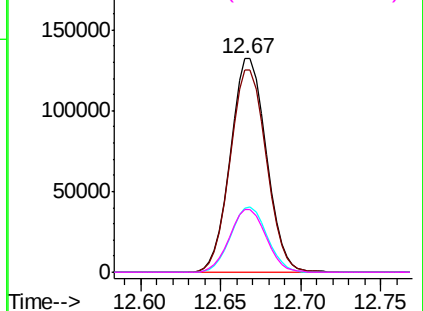
#67
 1,3,5-Trichlorobenzene
 Concen: 50.320 ug/L
 RT: 12.67 min Scan# 3600
 Delta R.T. -0.00 min
 Lab File: VV018909.D
 Acq: 15 Oct 2020 14:07

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05090

Tot Ion:	180	Resp:	202060
Ion	Ratio	Lower	Upper
180	100		
182	95.7	75.8	113.8
184	30.8	24.9	37.3
145	29.8	23.2	34.8

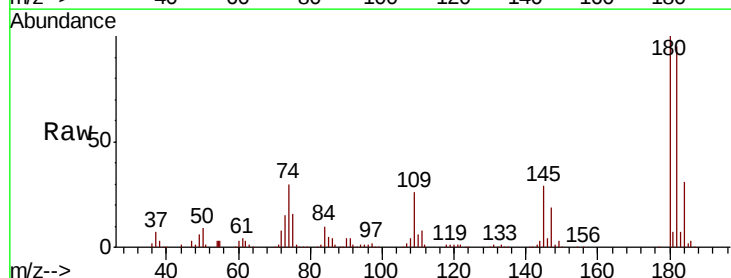


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

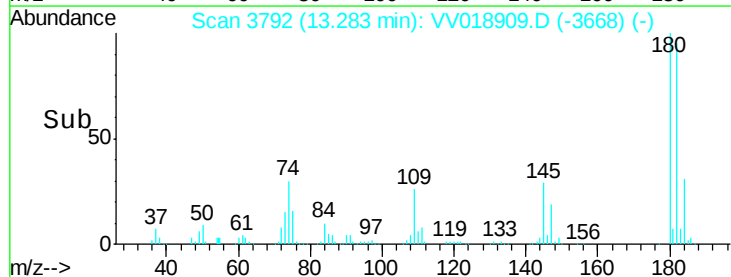
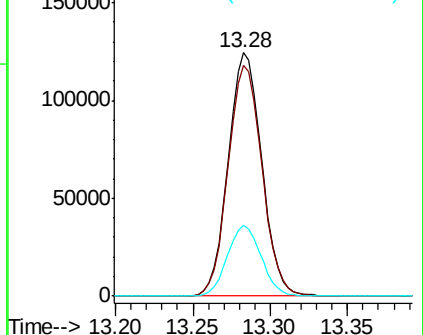


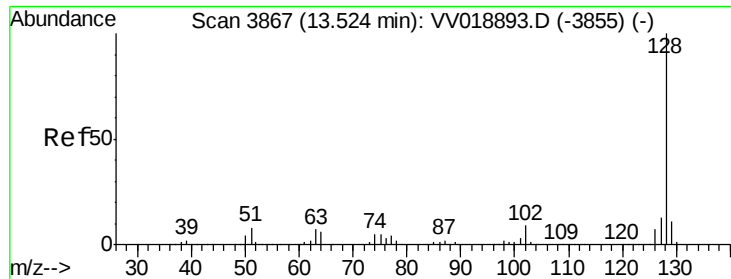
#68
 1,2,4-trichlorobenzene
 Concen: 50.404 ug/L
 RT: 13.28 min Scan# 3792
 Delta R.T. -0.00 min
 Lab File: VV018909.D
 Acq: 15 Oct 2020 14:07

Tgt Ion:	180	Resp:	186501
Ion	Ratio	Lower	Upper
180	100		
182	95.9	76.5	114.7
145	29.3	23.7	35.5



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: 50.822 ug/L

RT: 13.52 min Scan# 3867

Delta R.T. -0.00 min

Lab File: VV018909.D

Acq: 15 Oct 2020 14:07

Instrument :

MSVOA_V

ClientSampleId :

VSTD05090

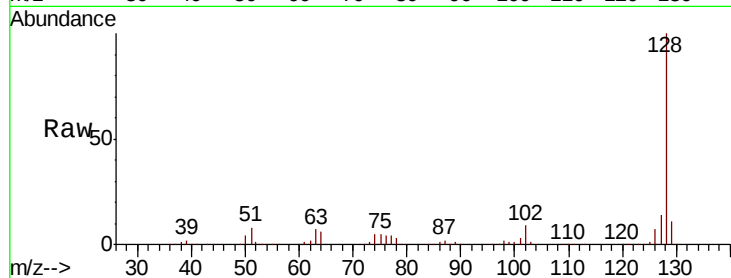
Tot Ion:128 Resp: 533671

Ion Ratio Lower Upper

128 100

127 13.3 10.7 16.1

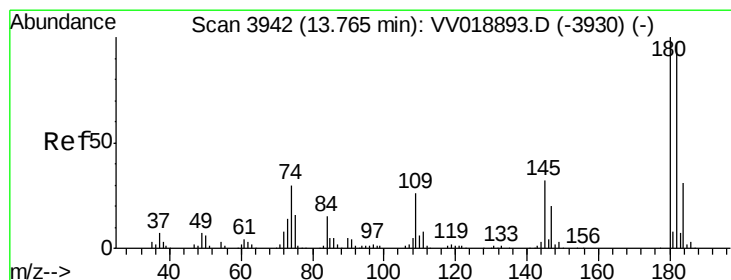
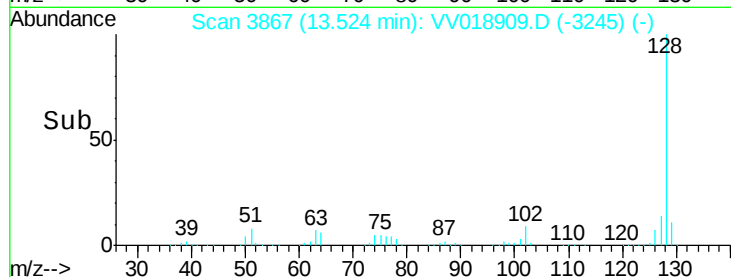
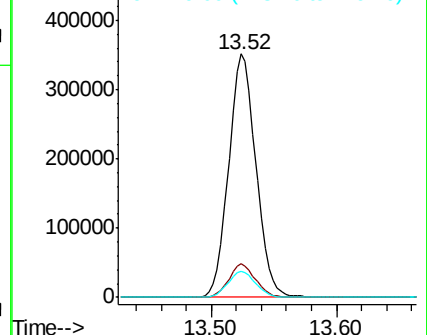
129 11.0 8.9 13.3



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: 50.874 ug/L

RT: 13.77 min Scan# 3943

Delta R.T. 0.00 min

Lab File: VV018909.D

Acq: 15 Oct 2020 14:07

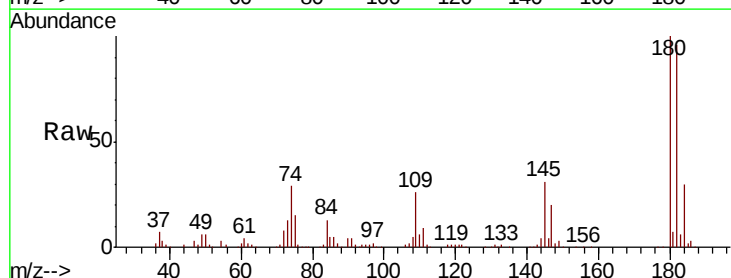
Tgt Ion:180 Resp: 188161

Ion Ratio Lower Upper

180 100

182 96.5 76.8 115.2

145 31.5 25.4 38.0



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

