

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV100320\
 Data File : VV018652.D
 Acq On : 03 Oct 2020 13:44
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05069

Quant Time: Oct 05 04:50:56 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM092920WMA.M
 Quant Title : VOC Analysis
 QLast Update : Sat Oct 03 02:08:43 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	326424	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	304118	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	176310	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.31	65	95165	49.71	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	99.42%
7) Chloroethane-d5	1.58	69	76236	48.16	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	96.32%
11) 1,1-Dichloroethene-d2	2.12	63	199722	51.20	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	102.40%
21) 2-Butanone-d5	3.90	46	117608	82.36	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	82.36%
24) Chloroform-d	4.37	84	190935	46.12	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	92.24%
26) 1,2-Dichloroethane-d4	5.05	65	123871	47.14	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.28%
32) Benzene-d6	5.07	84	362898	47.11	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.22%
36) 1,2-Dichloropropane-d6	6.09	67	112382	48.28	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	96.56%
41) Toluene-d8	7.33	98	343601	47.41	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	94.82%
43) trans-1,3-Dichloropropene-	7.64	79	59037	46.95	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	93.90%
47) 2-Hexanone-d5	8.11	63	81077	91.71	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	91.71%
57) 1,1,2,2-Tetrachloroethane-	10.23	84	145127	47.03	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	94.06%
64) 1,2-Dichlorobenzene-d4	11.65	152	148590	43.82	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	87.64%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.14	85	91826	41.372	ug/L 99
3) Chloromethane	1.25	50	95426	40.181	ug/L 99
5) Vinyl chloride	1.32	62	109071	43.682	ug/L 100
6) Bromomethane	1.53	94	75046	44.160	ug/L 97
8) Chloroethane	1.59	64	68802	44.715	ug/L 97
9) Trichlorofluoromethane	1.76	101	187487	49.404	ug/L 99
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	103616	48.783	ug/L 99
12) 1,1-Dichloroethene	2.13	96	97383	47.791	ug/L 94
13) Acetone	2.19	43	115755	93.825	ug/L 97
14) Carbon disulfide	2.31	76	294509	44.616	ug/L 99
15) Methyl Acetate	2.44	43	104903	44.136	ug/L 100
16) Methylene chloride	2.52	84	106968	43.737	ug/L 96
17) trans-1,2-Dichloroethene	2.78	96	97187	41.681	ug/L 98
18) Methyl tert-butyl Ether	2.78	73	295218	41.556	ug/L 99
19) 1,1-Dichloroethane	3.21	63	174471	42.736	ug/L 97
20) cis-1,2-Dichloroethene	3.94	96	105689	42.651	ug/L 100
22) 2-Butanone	3.99	43	140626	90.231	ug/L 99

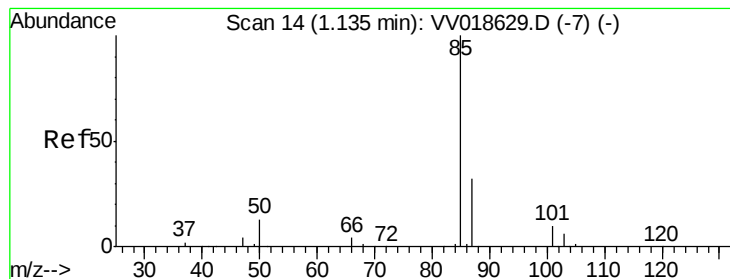
Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV100320\
 Data File : VV018652.D
 Acq On : 03 Oct 2020 13:44
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05069

Quant Time: Oct 05 04:50:56 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM092920WMA.M
 Quant Title : VOC Analysis
 QLast Update : Sat Oct 03 02:08:43 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.27	128	60462	44.371	uq/L	97
25) Chloroform	4.40	83	195988	45.464	uq/L	100
27) 1,2-Dichloroethane	5.15	62	156312	46.521	uq/L	99
29) Cyclohexane	4.70	56	148453	42.800	uq/L	99
30) 1,1,1-Trichloroethane	4.63	97	178241	47.210	uq/L	99
31) Carbon tetrachloride	4.85	117	161713	47.725	uq/L	99
33) Benzene	5.12	78	413389	46.269	uq/L	100
34) Trichloroethene	5.94	95	122147	47.091	uq/L	99
35) Methylcyclohexane	6.15	83	148467	42.430	uq/L	99
37) 1,2-Dichloropropane	6.20	63	106709	46.552	uq/L	99
38) Bromodichloromethane	6.53	83	147311	47.986	uq/L	99
39) cis-1,3-Dichloropropene	7.05	75	169254	47.061	uq/L	98
40) 4-Methyl-2-pentanone	7.24	43	271380	91.749	uq/L	100
42) Toluene	7.41	91	454403	47.014	uq/L	100
44) trans-1,3-Dichloropropene	7.67	75	170597	48.288	uq/L	97
45) 1,1,2-Trichloroethane	7.86	97	109107	48.082	uq/L	97
46) Tetrachloroethene	8.00	164	99313	47.194	uq/L	100
48) 2-Hexanone	8.16	43	230121	99.713	uq/L	99
49) Dibromochloromethane	8.27	129	124501	47.969	uq/L	100
50) 1,2-Dibromoethane	8.37	107	113080	46.869	uq/L	99
51) Chlorobenzene	8.90	112	292358	44.712	uq/L	99
52) Ethylbenzene	9.03	91	485544	44.983	uq/L	99
53) m,p-Xylene	9.16	106	186225	44.643	uq/L	98
54) o-xylene	9.56	106	179325	45.406	uq/L	98
55) Styrene	9.58	104	322964	46.965	uq/L	97
56) Isopropylbenzene	9.95	105	472874	44.645	uq/L	100
58) 1,1,1,2,2-Tetrachloroethane	10.26	83	147804	46.210	uq/L	99
59) 1,2,3-Trichloropropane	10.29	75	133384	47.838	uq/L	99
61) Bromoform	9.75	173	88955	43.924	uq/L	97
62) 1,3-Dichlorobenzene	11.20	146	253136	44.364	uq/L	99
63) 1,4-Dichlorobenzene	11.29	146	263798	44.897	uq/L	100
65) 1,2-Dichlorobenzene	11.67	146	251938	44.632	uq/L	99
66) 1,2-Dibromo-3-chloropropan	12.45	75	31309	40.630	uq/L	98
67) 1,3,5-Trichlorobenzene	12.67	180	156595	39.620	uq/L	99
68) 1,2,4-trichlorobenzene	13.28	180	146318	39.783	uq/L	99
69) Naphthalene	13.52	128	450495	42.789	uq/L	100
70) 1,2,3-Trichlorobenzene	13.77	180	152619	41.336	uq/L	99

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



#2

Dichlorodifluoromethane

Concen: 41.372 ug/L

RT: 1.14 min Scan# 14

Delta R.T. -0.00 min

Lab File: VV018652.D

Acq: 03 Oct 2020 13:44

Instrument :

MSVOA_V

ClientSampleId :

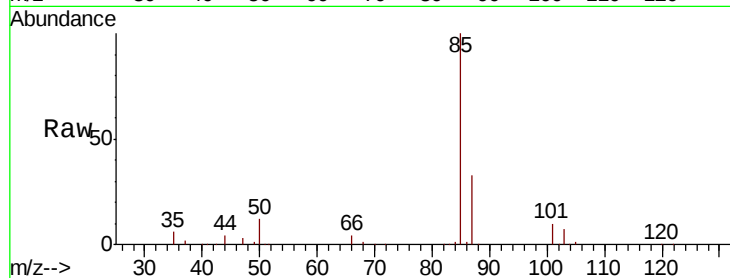
VSTD05069

Tot Ion: 85 Resp: 91826

Ion Ratio Lower Upper

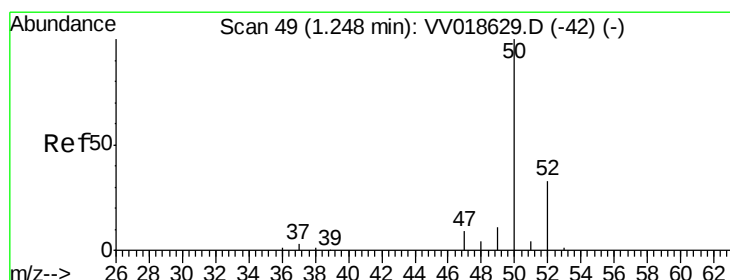
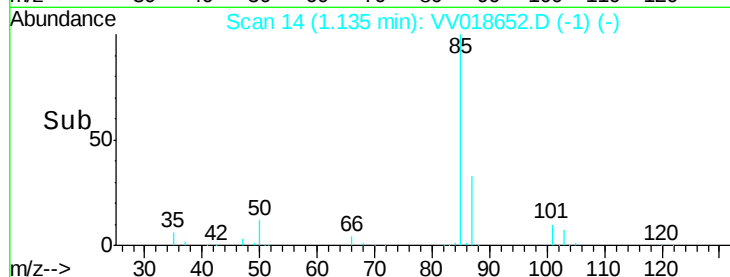
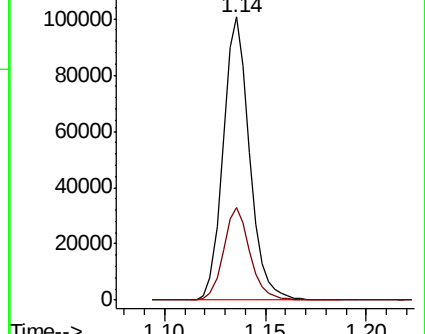
85 100

87 32.6 25.5 38.3



Abundance Ion 85.00 (84.70 to 85.70): VV0

Ion 87.00 (86.70 to 87.70): VV0



#3

Chloromethane

Concen: 40.181 ug/L

RT: 1.25 min Scan# 49

Delta R.T. -0.00 min

Lab File: VV018652.D

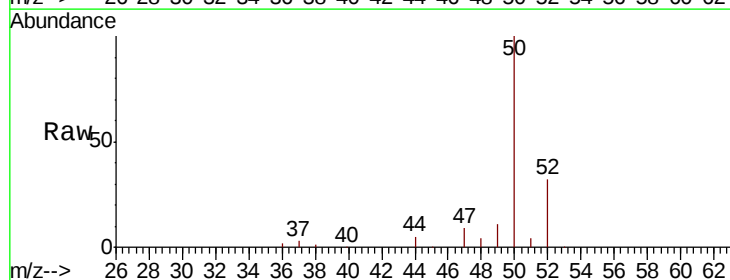
Acq: 03 Oct 2020 13:44

Tgt Ion: 50 Resp: 95426

Ion Ratio Lower Upper

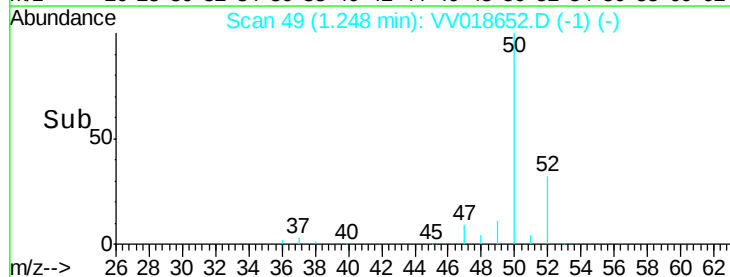
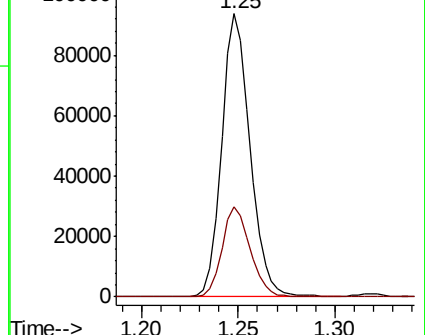
50 100

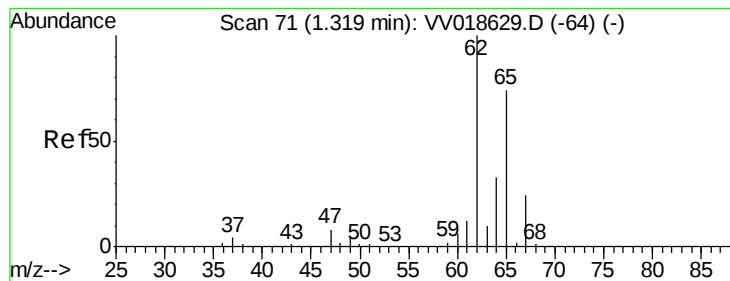
52 31.8 22.7 42.1



Abundance Ion 50.00 (49.70 to 50.70): VV0

Ion 52.00 (51.70 to 52.70): VV0





#5

Vinyl chloride

Concen: 43.682 ug/L

RT: 1.32 min Scan# 71

Delta R.T. 0.00 min

Lab File: VV018652.D

Acq: 03 Oct 2020 13:44

Instrument :

MSVOA_V

ClientSampleId :

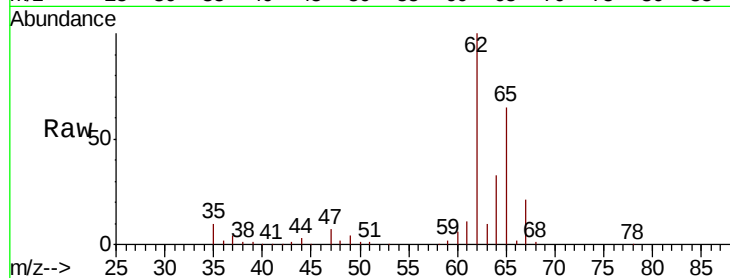
VSTD05069

Tot Ion: 62 Resp: 109071

Ion Ratio Lower Upper

62 100

64 32.6 22.9 42.5



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.00 (63.70 to 64.70): VV0

120000

100000

80000

60000

40000

20000

0

1.32

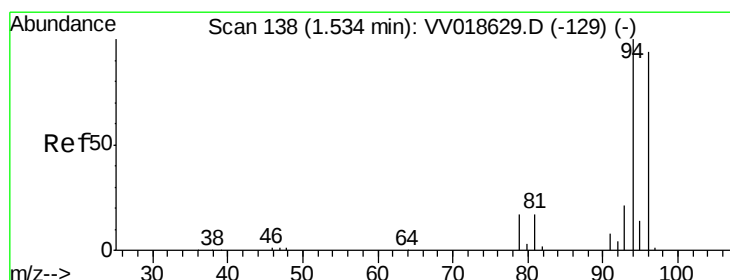
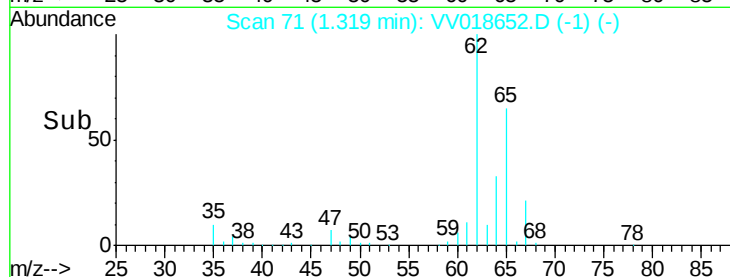
1.25

1.30

1.35

1.40

Time-->



#6

Bromomethane

Concen: 44.160 ug/L

RT: 1.53 min Scan# 137

Delta R.T. -0.00 min

Lab File: VV018652.D

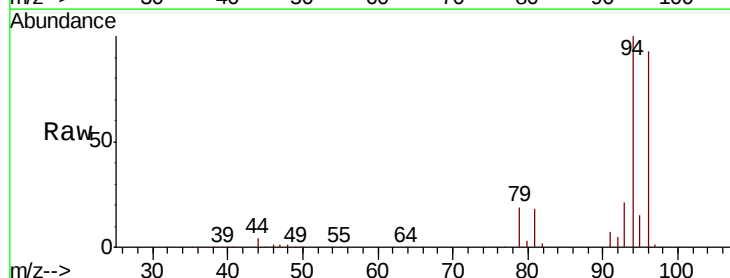
Acq: 03 Oct 2020 13:44

Tgt Ion: 94 Resp: 75046

Ion Ratio Lower Upper

94 100

96 93.3 67.5 125.4



Abundance Ion 94.00 (93.70 to 94.70): VV0

Ion 96.00 (95.70 to 96.70): VV0

80000

60000

40000

20000

0

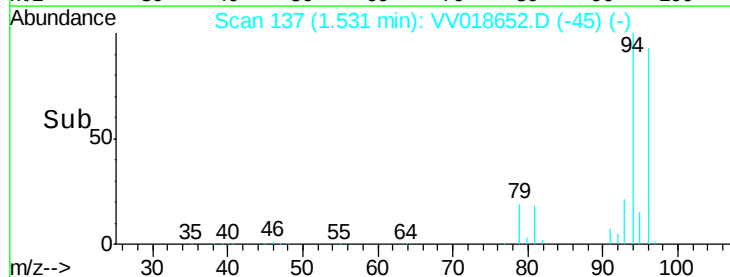
1.53

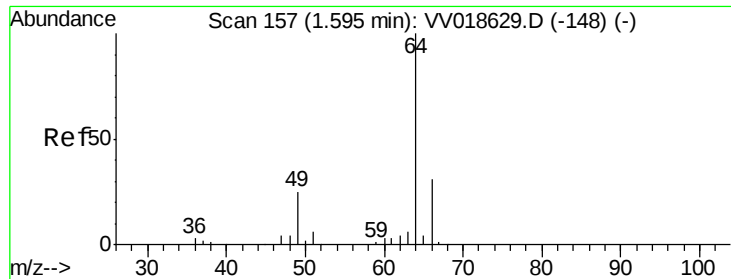
1.50

1.55

1.60

Time-->





#8

Chloroethane

Concen: 44.715 ug/L

RT: 1.59 min Scan# 156

Delta R.T. -0.00 min

Lab File: VV018652.D

Acq: 03 Oct 2020 13:44

Instrument :

MSVOA_V

ClientSampleId :

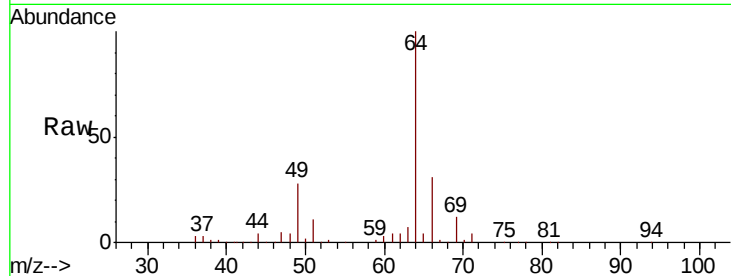
VSTD05069

Tot Ion: 64 Resp: 68802

Ion Ratio Lower Upper

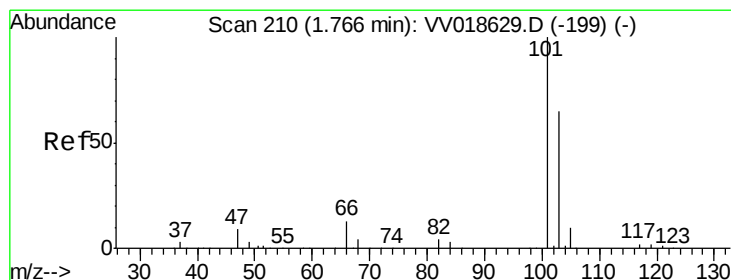
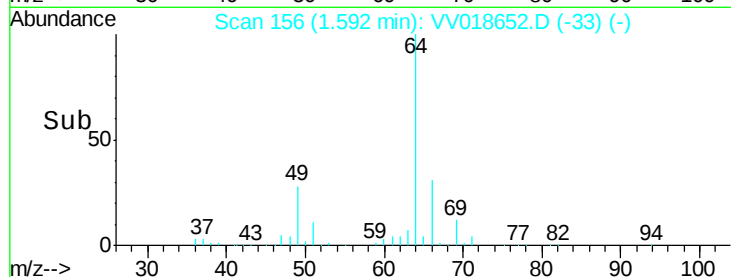
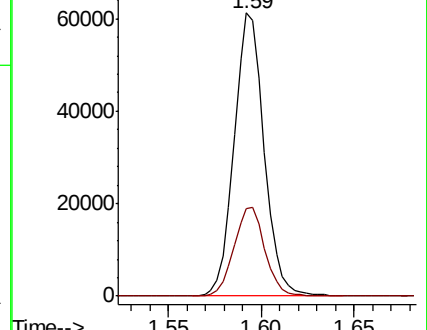
64 100

66 31.2 22.8 42.4



Abundance Ion 64.00 (63.70 to 64.70): VV018629.D (-148) (-)

Ion 66.00 (65.70 to 66.70): VV018629.D (-148) (-)



#9

Trichlorofluoromethane

Concen: 49.404 ug/L

RT: 1.76 min Scan# 209

Delta R.T. -0.00 min

Lab File: VV018652.D

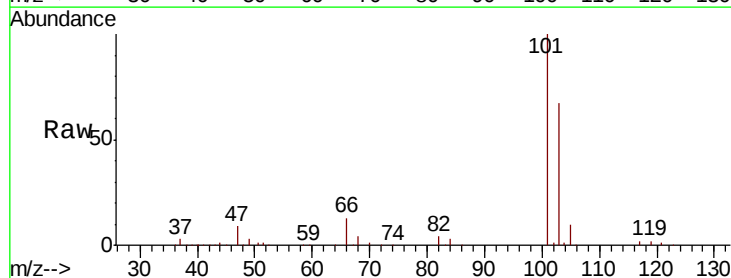
Acq: 03 Oct 2020 13:44

Tgt Ion: 101 Resp: 187487

Ion Ratio Lower Upper

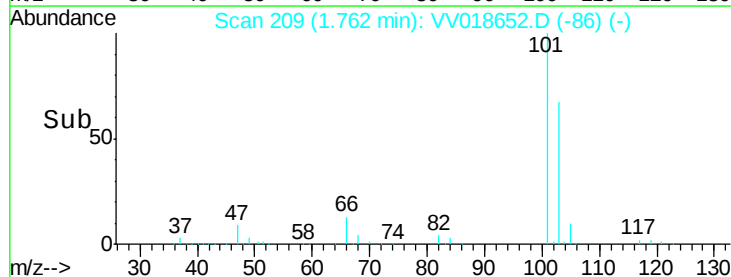
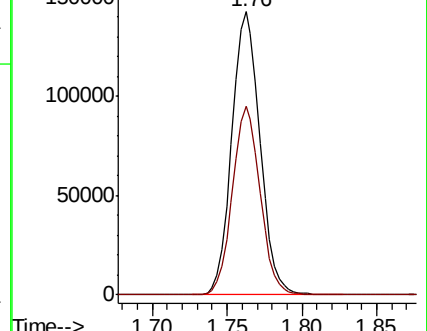
101 100

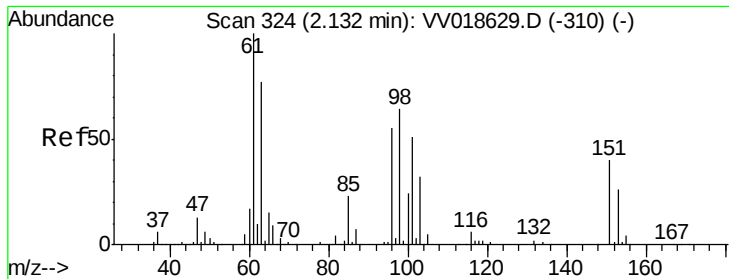
103 65.6 51.9 77.9



Abundance Ion 101.00 (100.70 to 101.70): VV018629.D (-199) (-)

Ion 103.00 (102.70 to 103.70): VV018629.D (-199) (-)





#10

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

Concen: 48.783 ug/L

RT: 2.13 min Scan# 323

Delta R.T. -0.00 min

Lab File: VV018652.D

Acq: 03 Oct 2020 13:44

Instrument :

MSVOA_V

ClientSampleId :

VSTD05069

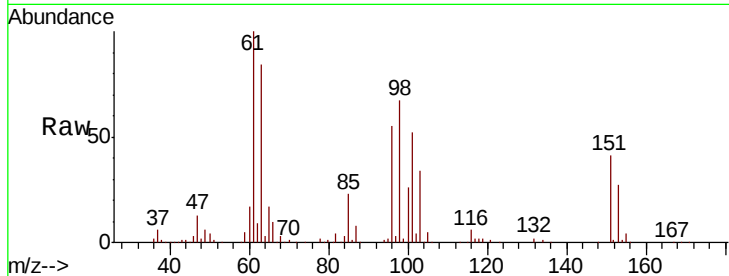
Tot Ion:101 Resp: 103616

Ion Ratio Lower Upper

101 100

85 44.2 34.6 52.0

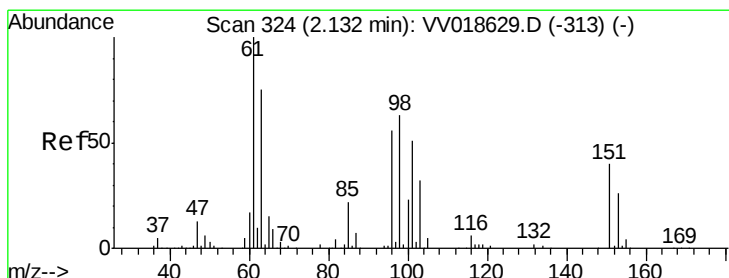
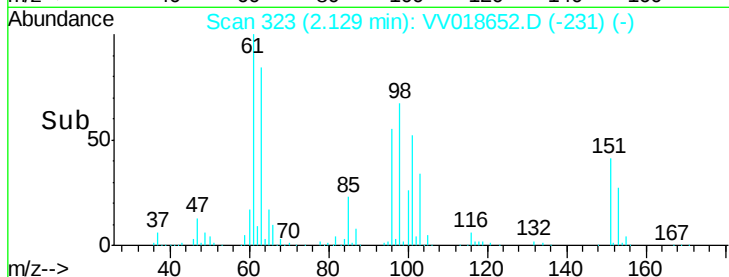
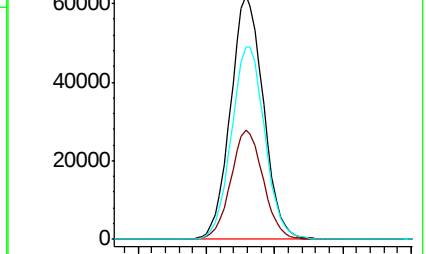
151 80.3 64.3 96.5



Abundance Ion 101.00 (100.70 to 101.70): VV018629.D (-310) (-)

Ion 85.00 (84.70 to 85.70): VV018629.D (-310) (-)

Ion 151.00 (150.70 to 151.70): VV018629.D (-310) (-)



#12

1,1-Dichloroethene

Concen: 47.791 ug/L

RT: 2.13 min Scan# 324

Delta R.T. 0.00 min

Lab File: VV018652.D

Acq: 03 Oct 2020 13:44

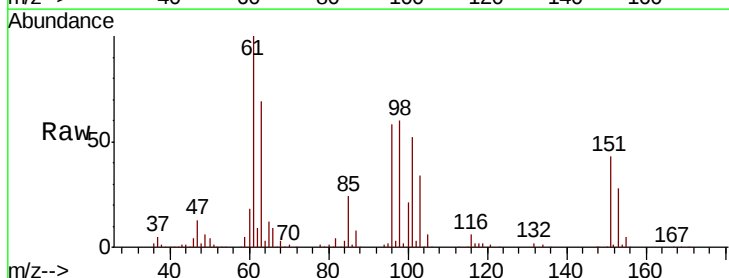
Tgt Ion: 96 Resp: 97383

Ion Ratio Lower Upper

96 100

61 171.4 122.8 228.1

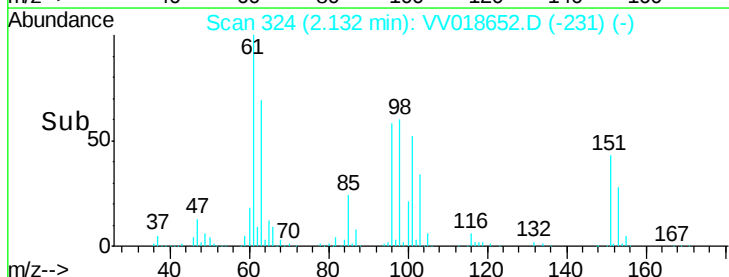
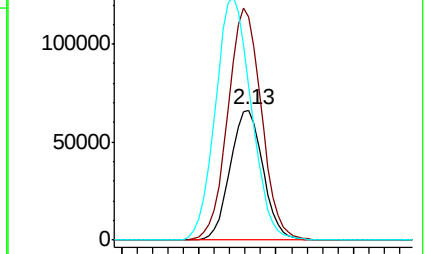
63 118.6 91.9 170.7

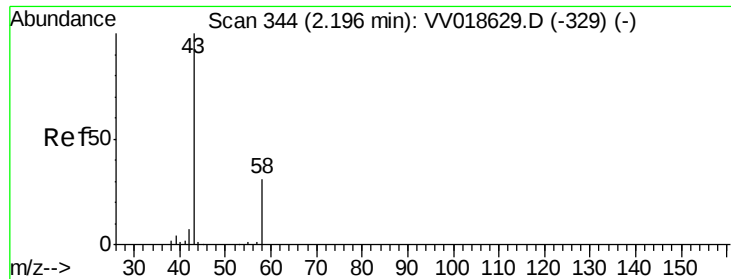


Abundance Ion 96.00 (95.70 to 96.70): VV018629.D (-313) (-)

Ion 61.00 (60.70 to 61.70): VV018629.D (-313) (-)

Ion 63.00 (62.70 to 63.70): VV018629.D (-313) (-)





#13

Acetone

Concen: 93.825 ug/L

RT: 2.19 min Scan# 341

Delta R.T. -0.01 min

Lab File: VV018652.D

Acq: 03 Oct 2020 13:44

Instrument :

MSVOA_V

ClientSampleId :

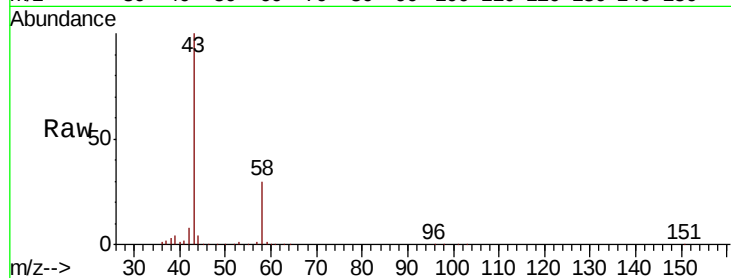
VSTD05069

Tot Ion: 43 Resp: 115755

Ion Ratio Lower Upper

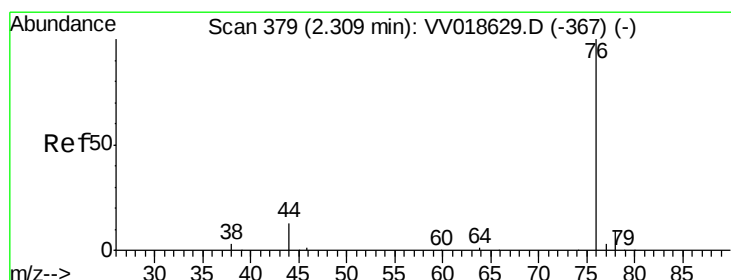
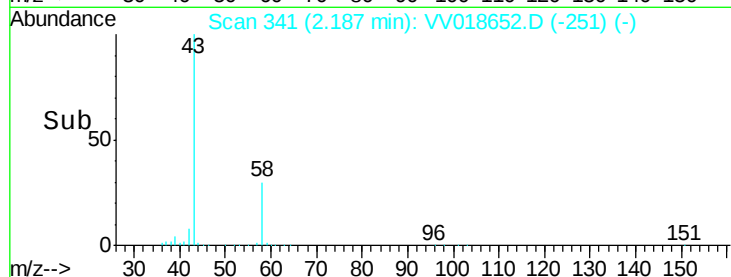
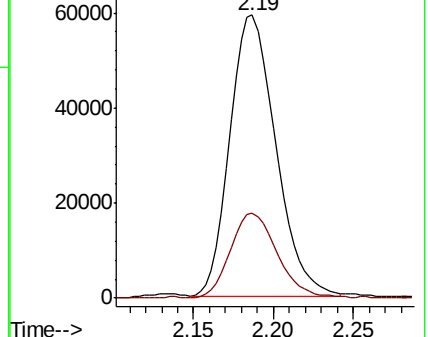
43 100

58 30.5 0.0 64.0



Abundance Ion 43.00 (42.70 to 43.70): VV018629.D (-329) (-)

Ion 58.00 (57.70 to 58.70): VV018629.D (-329) (-)



#14

Carbon disulfide

Concen: 44.616 ug/L

RT: 2.31 min Scan# 379

Delta R.T. -0.00 min

Lab File: VV018652.D

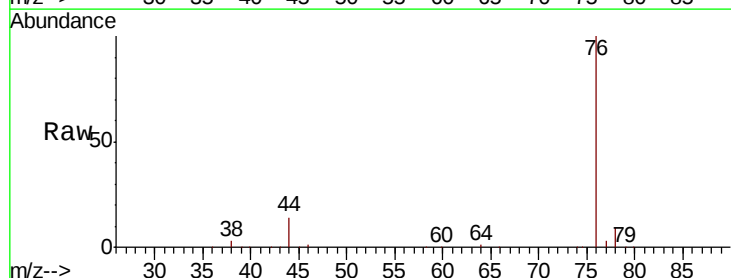
Acq: 03 Oct 2020 13:44

Tgt Ion: 76 Resp: 294509

Ion Ratio Lower Upper

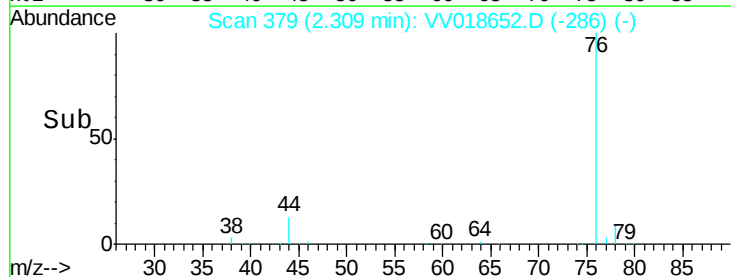
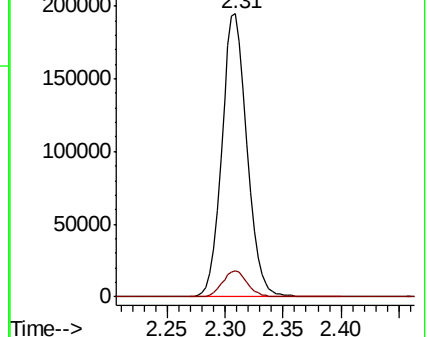
76 100

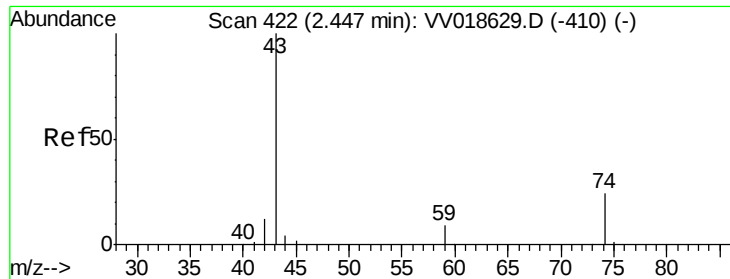
78 9.2 7.1 10.7



Abundance Ion 76.00 (75.70 to 76.70): VV018629.D (-367) (-)

Ion 78.00 (77.70 to 78.70): VV018629.D (-367) (-)

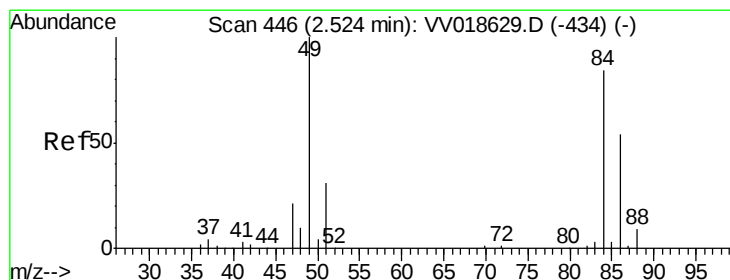
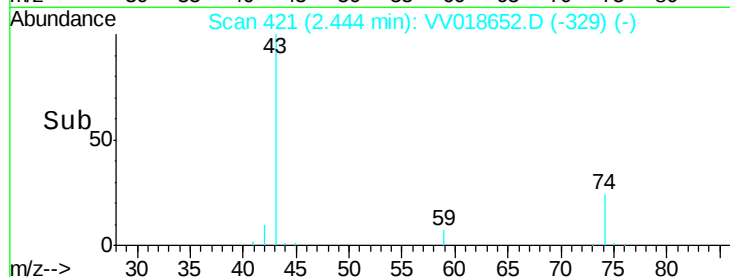
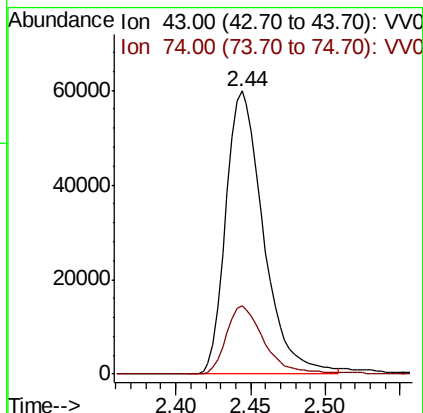
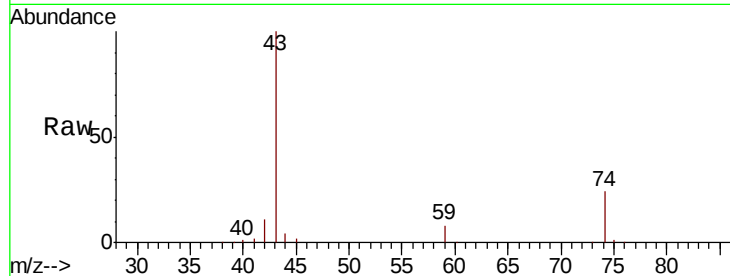




#15
Methvl Acetate
Concen: 44.136 ug/L
RT: 2.44 min Scan# 421
Delta R.T. -0.00 min
Lab File: VV018652.D
Acq: 03 Oct 2020 13:44

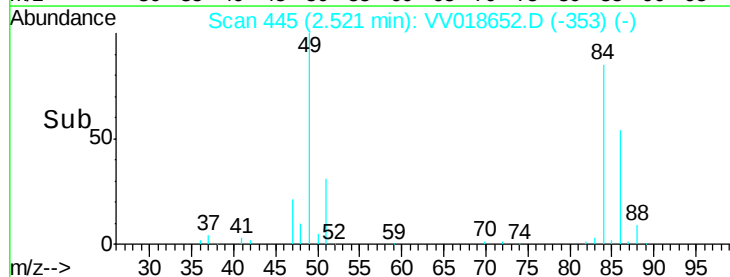
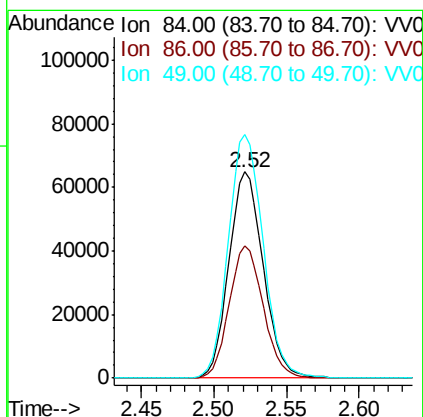
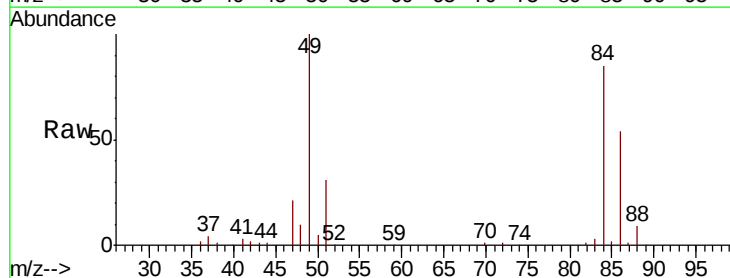
Instrument :
MSVOA_V
ClientSampleId :
VSTD05069

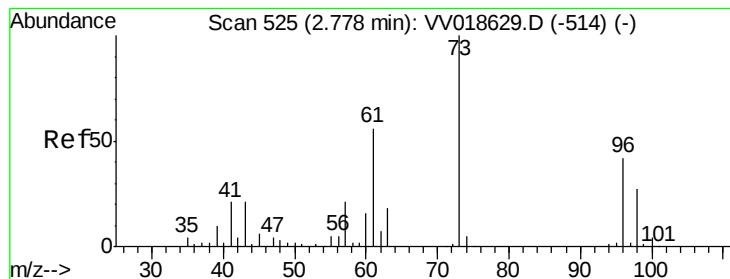
Tot Ion: 43 Resp: 104903
Ion Ratio Lower Upper
43 100
74 24.2 19.2 28.8



#16
Methylene chloride
Concen: 43.737 ug/L
RT: 2.52 min Scan# 445
Delta R.T. -0.00 min
Lab File: VV018652.D
Acq: 03 Oct 2020 13:44

Tgt Ion: 84 Resp: 106968
Ion Ratio Lower Upper
84 100
86 64.0 46.2 85.8
49 118.1 86.6 160.8





#17

trans-1,2-Dichloroethene

Concen: 41.681 ug/L

RT: 2.78 min Scan# 524

Delta R.T. -0.00 min

Lab File: VV018652.D

Acq: 03 Oct 2020 13:44

Instrument :

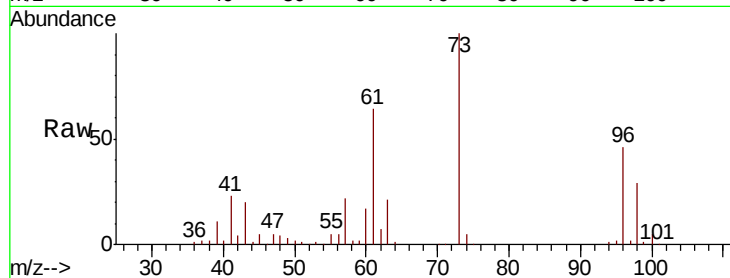
MSVOA_V

ClientSampled :

VSTD05069

Tot Ion: 96 Resp: 97187

Ion	Ratio	Lower	Upper
96	100		
61	139.4	95.0	176.4
98	63.7	44.6	82.8

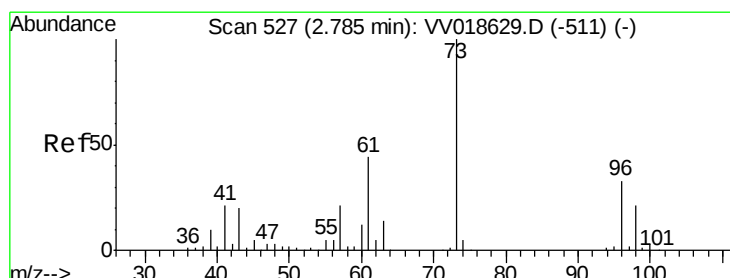
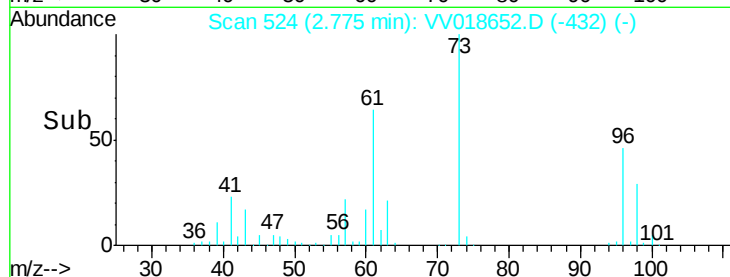
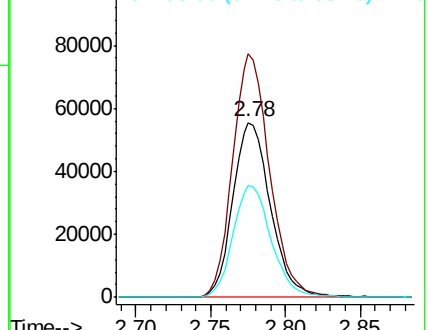


Abundance

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: 41.556 ug/L

RT: 2.78 min Scan# 526

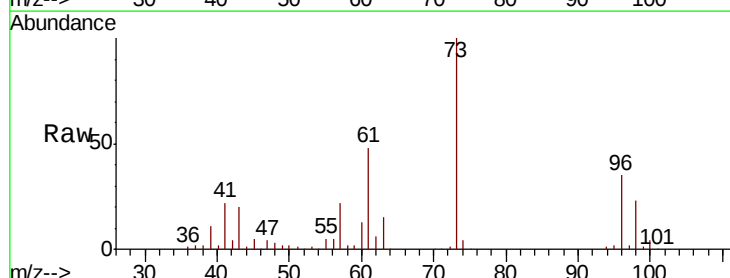
Delta R.T. -0.00 min

Lab File: VV018652.D

Acq: 03 Oct 2020 13:44

Tgt Ion: 73 Resp: 295218

Ion	Ratio	Lower	Upper
73	100		
43	20.8	15.9	23.9
57	21.8	17.5	26.3

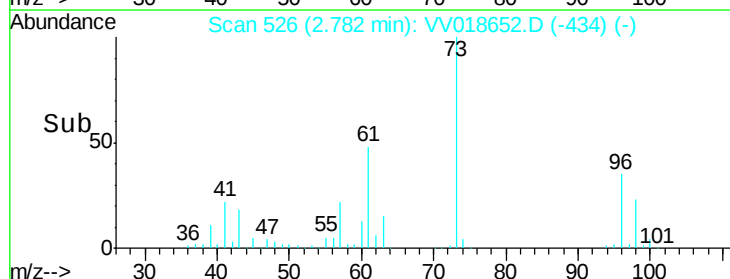
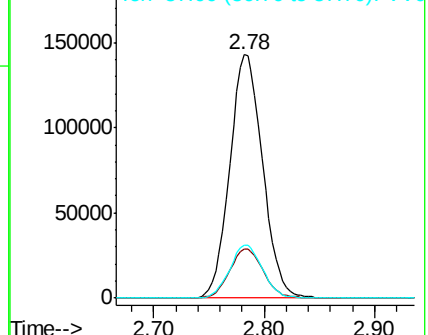


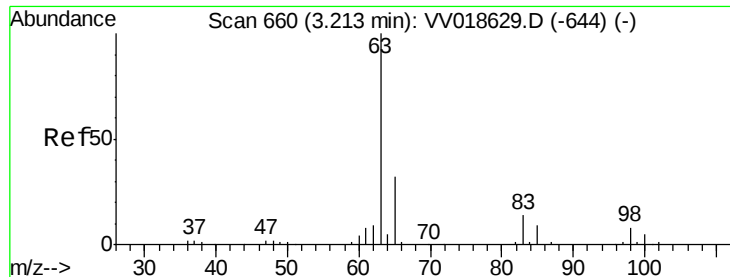
Abundance

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

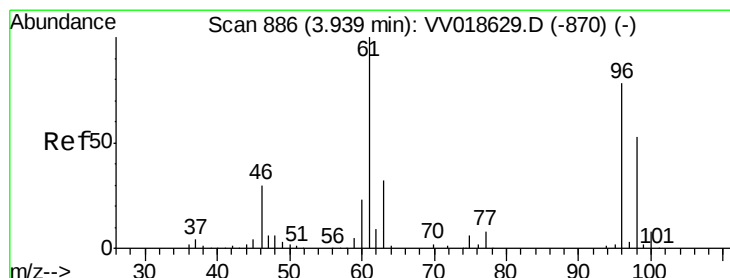
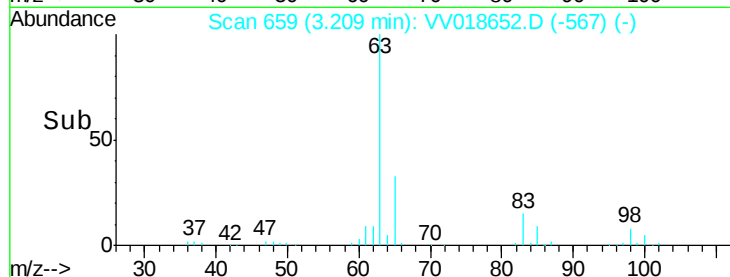
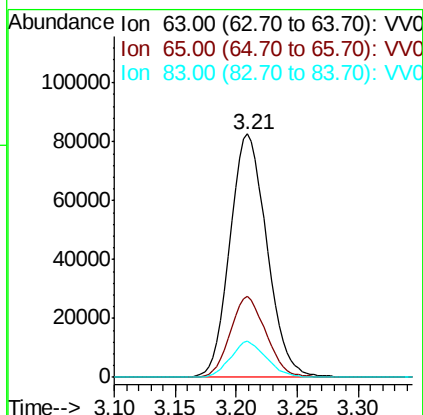
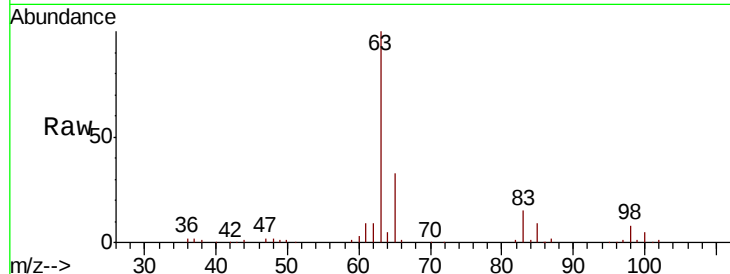




#19
 1,1-Dichloroethane
 Concen: 42.736 ug/L
 RT: 3.21 min Scan# 659
 Delta R.T. -0.00 min
 Lab File: VV018652.D
 Acq: 03 Oct 2020 13:44

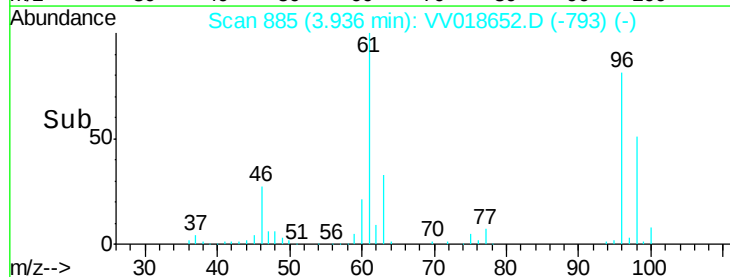
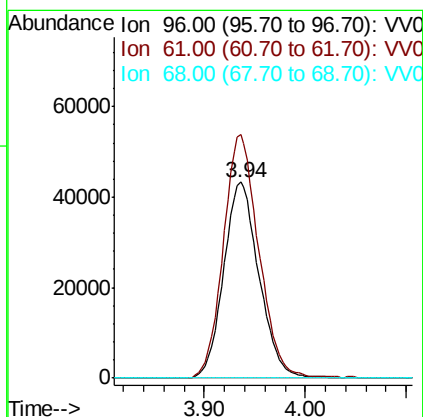
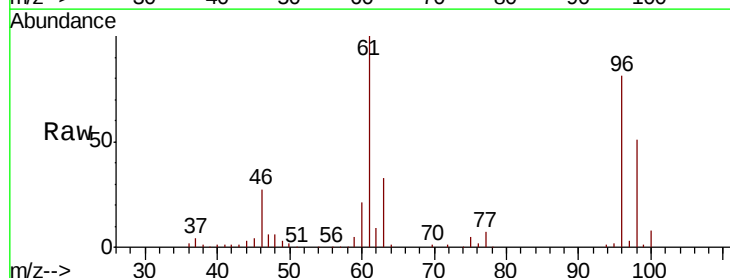
Instrument :
 MSVOA_V
 ClientSampled :
 VSTD05069

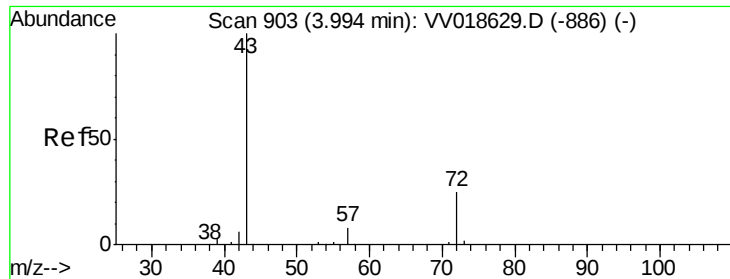
Tot Ion: 63 Resp: 174471
 Ion Ratio Lower Upper
 63 100
 65 33.2 22.3 41.3
 83 14.7 9.3 17.3



#20
 cis-1,2-Dichloroethene
 Concen: 42.651 ug/L
 RT: 3.94 min Scan# 885
 Delta R.T. -0.00 min
 Lab File: VV018652.D
 Acq: 03 Oct 2020 13:44

Tgt Ion: 96 Resp: 105689
 Ion Ratio Lower Upper
 96 100
 61 124.2 86.8 161.2
 68 0.0 0.0 0.0





#22

2-Butanone

Concen: 90.231 ug/L

RT: 3.99 min Scan# 901

Delta R.T. -0.01 min

Lab File: VV018652.D

Acq: 03 Oct 2020 13:44

Instrument :

MSVOA_V

ClientSampleId :

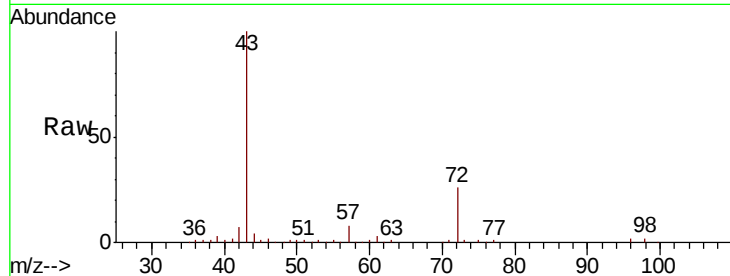
VSTD05069

Tot Ion: 43 Resp: 140626

Ion Ratio Lower Upper

43 100

72 24.5 12.1 36.3

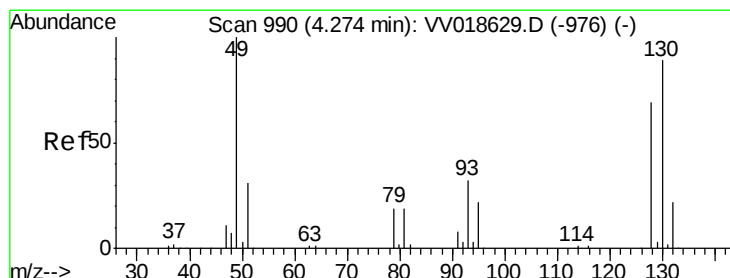
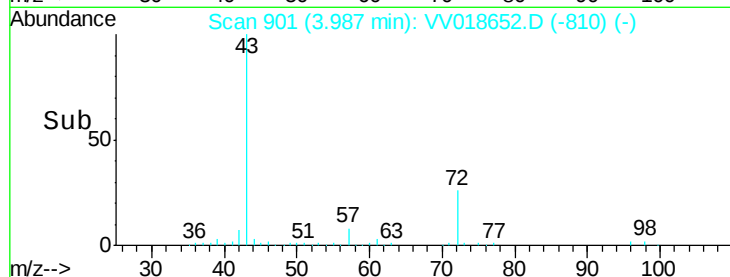


Abundance Ion 43.00 (42.70 to 43.70): VV018629.D (-886) (-)

Ion 72.00 (71.70 to 72.70): VV018629.D (-886) (-)

3.99

Time-->



#23

Bromochloromethane

Concen: 44.371 ug/L

RT: 4.27 min Scan# 990

Delta R.T. -0.00 min

Lab File: VV018652.D

Acq: 03 Oct 2020 13:44

Tgt Ion: 128 Resp: 60462

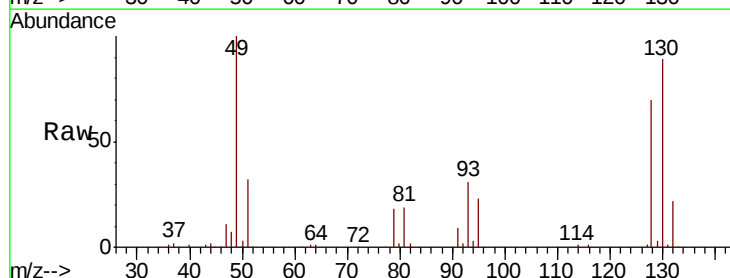
Ion Ratio Lower Upper

128 100

49 143.7 105.1 195.1

130 127.4 90.0 167.2

51 46.2 38.6 57.8



Abundance Ion 128.00 (127.70 to 128.70): VV018629.D (-976) (-)

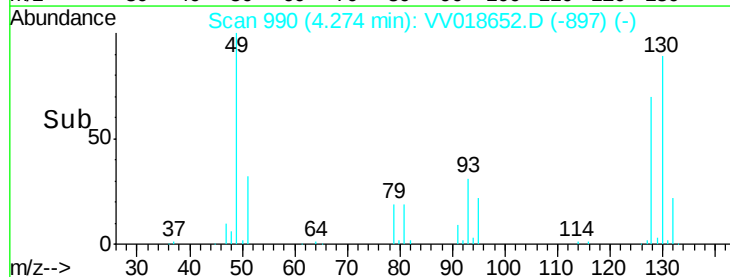
Ion 49.00 (48.70 to 49.70): VV018629.D (-976) (-)

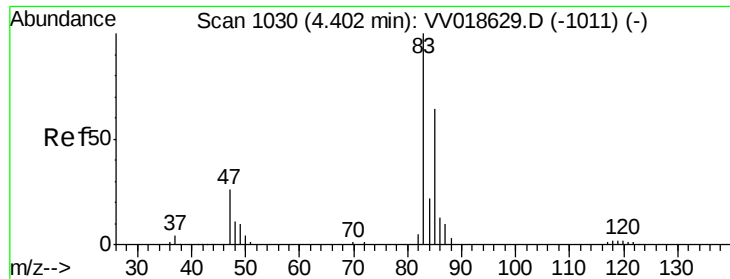
Ion 130.00 (129.70 to 130.70): VV018629.D (-976) (-)

Ion 51.00 (50.70 to 51.70): VV018629.D (-976) (-)

4.27

Time-->

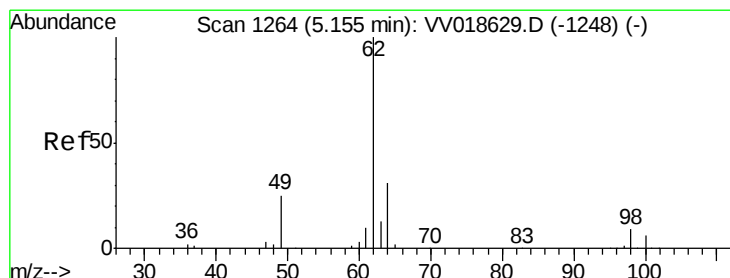
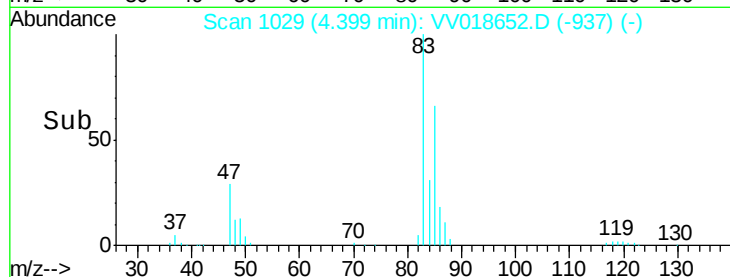
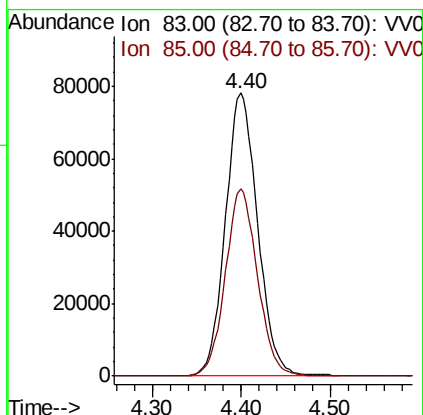
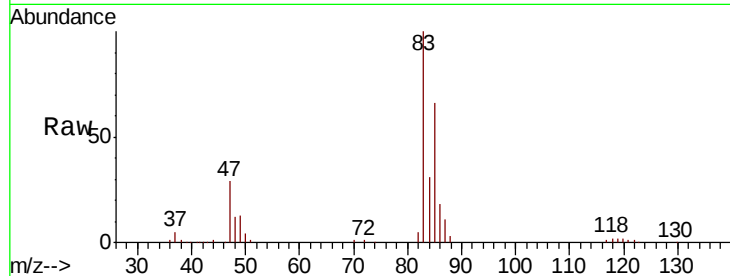




#25
Chloroform
Concen: 45.464 ug/L
RT: 4.40 min Scan# 1029
Delta R.T. -0.00 min
Lab File: VV018652.D
Acq: 03 Oct 2020 13:44

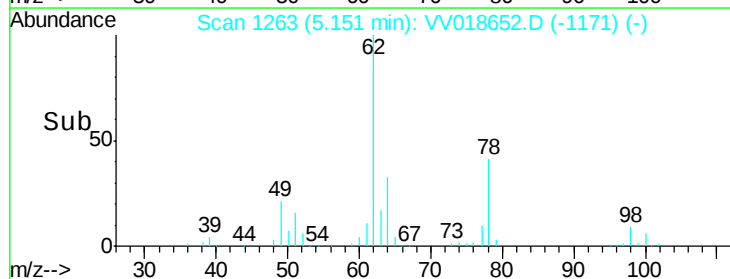
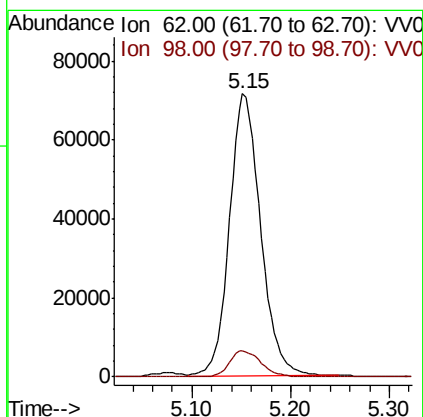
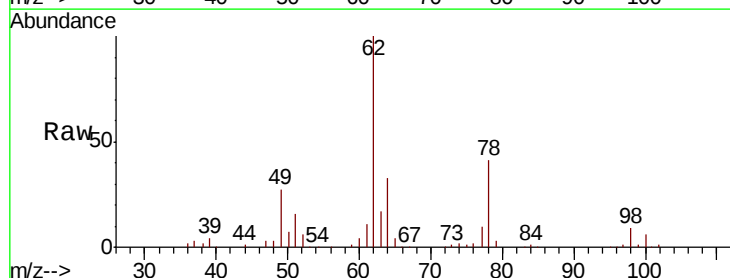
Instrument :
MSVOA_V
ClientSampleId :
VSTD05069

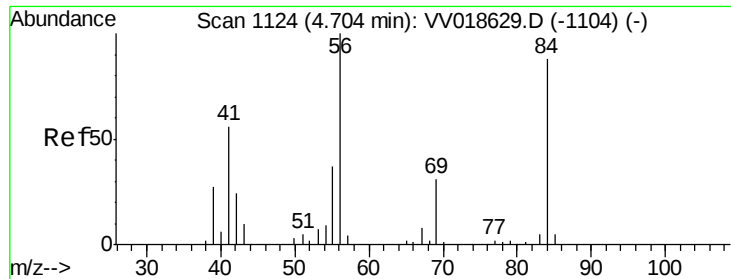
Tot Ion: 83 Resp: 195988
Ion Ratio Lower Upper
83 100
85 66.0 46.2 85.8



#27
1,2-Dichloroethane
Concen: 46.521 ug/L
RT: 5.15 min Scan# 1263
Delta R.T. -0.00 min
Lab File: VV018652.D
Acq: 03 Oct 2020 13:44

Tgt Ion: 62 Resp: 156312
Ion Ratio Lower Upper
62 100
98 9.2 7.7 11.5

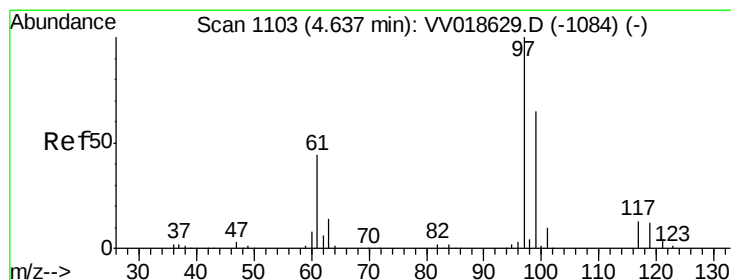
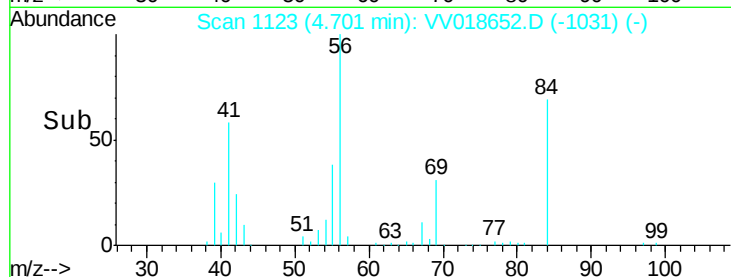
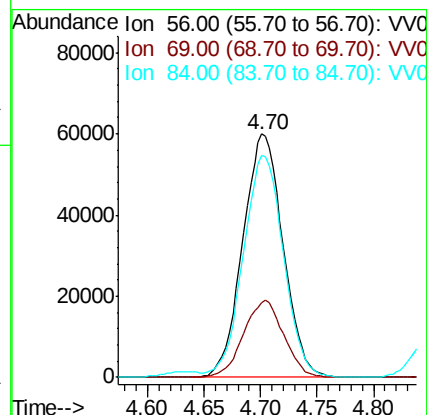
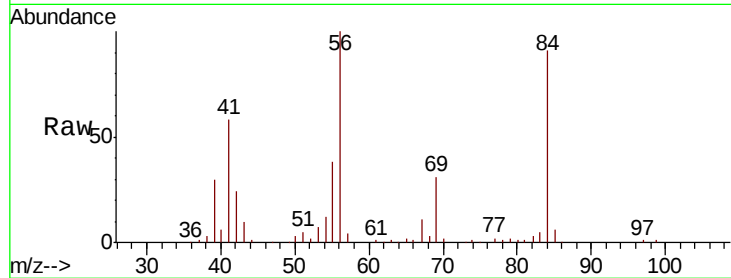




#29
Cyclohexane
Concen: 42.800 ug/L
RT: 4.70 min Scan# 1123
Delta R.T. -0.00 min
Lab File: VV018652.D
Acq: 03 Oct 2020 13:44

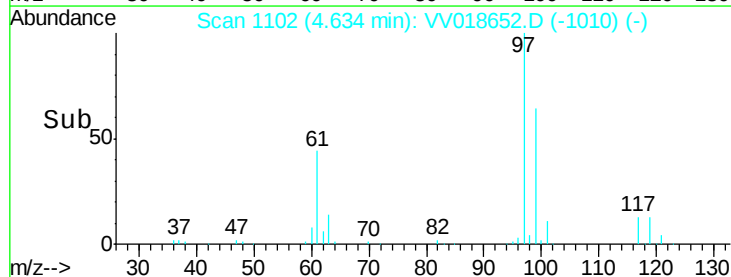
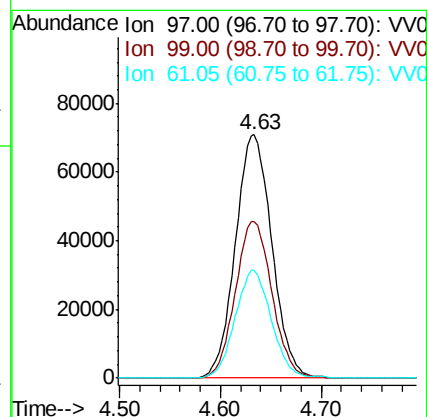
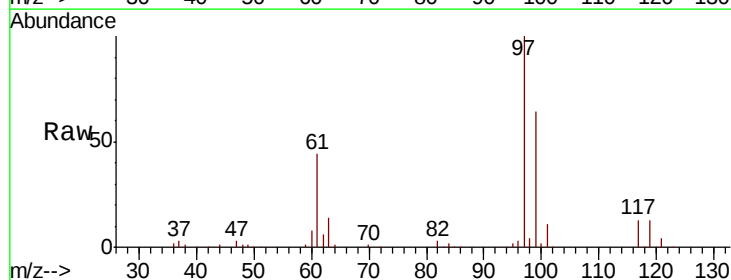
Instrument :
MSVOA_V
ClientSampleId :
VSTD05069

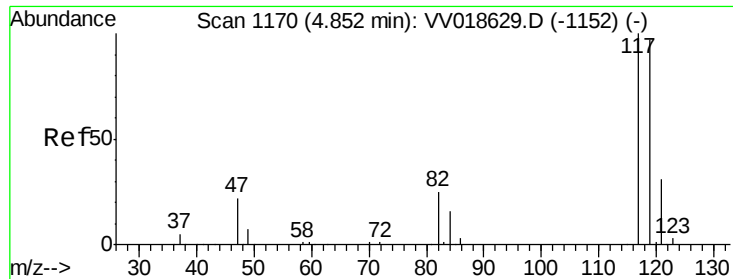
Tot Ion: 56 Resp: 148453
Ion Ratio Lower Upper
56 100
69 31.5 24.8 37.2
84 90.9 72.2 108.4



#30
1,1,1-Trichloroethane
Concen: 47.210 ug/L
RT: 4.63 min Scan# 1102
Delta R.T. -0.00 min
Lab File: VV018652.D
Acq: 03 Oct 2020 13:44

Tgt Ion: 97 Resp: 178241
Ion Ratio Lower Upper
97 100
99 64.7 51.4 77.0
61 43.9 33.9 50.9





#31

Carbon tetrachloride

Concen: 47.725 ug/L

RT: 4.85 min Scan# 1170

Delta R.T. 0.00 min

Lab File: VV018652.D

Acq: 03 Oct 2020 13:44

Instrument :

MSVOA_V

ClientSampleId :

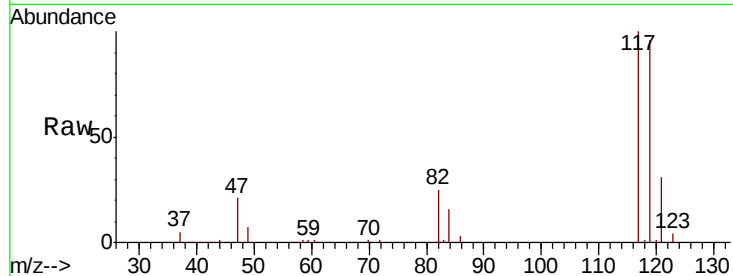
VSTD05069

Tot Ion:117 Resp: 161713

Ion Ratio Lower Upper

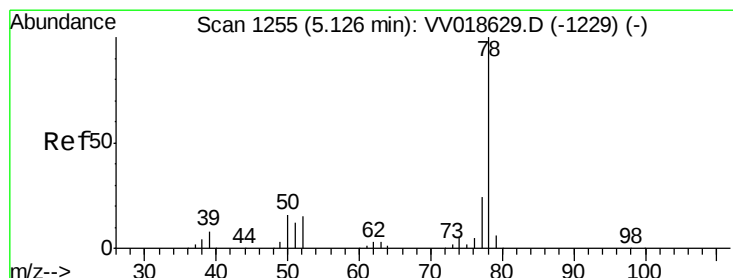
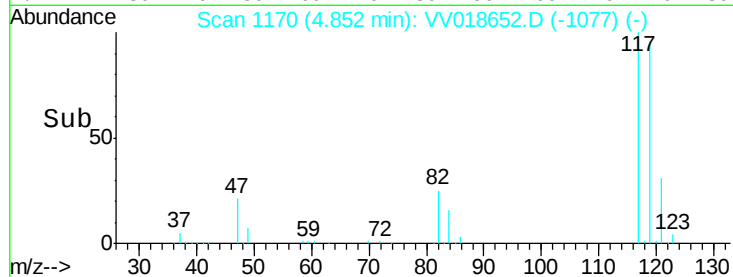
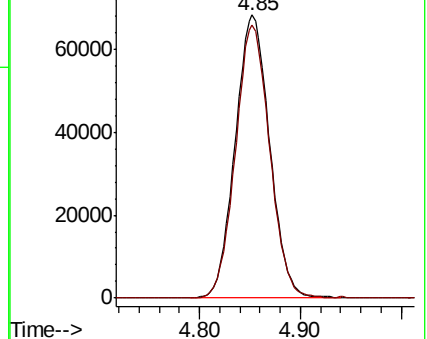
117 100

119 95.6 77.0 115.6



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#33

Benzene

Concen: 46.269 ug/L

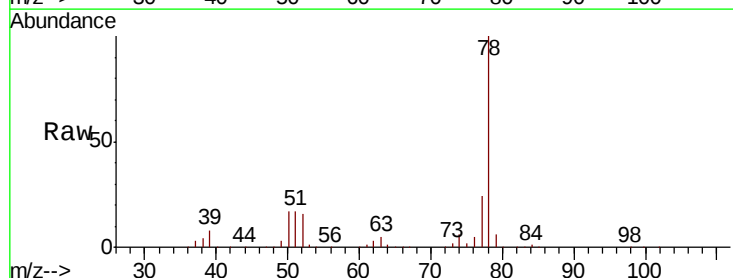
RT: 5.12 min Scan# 1254

Delta R.T. -0.00 min

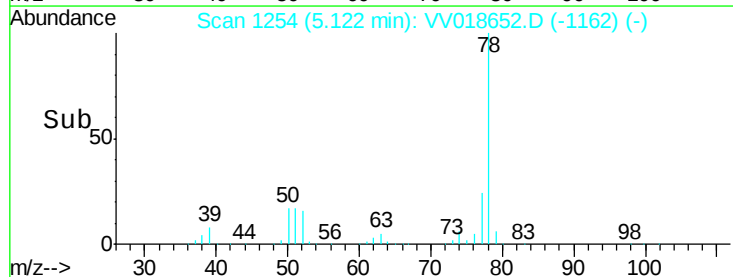
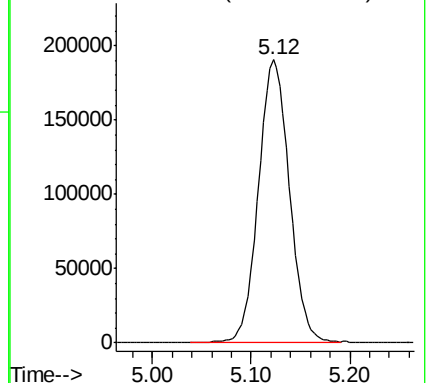
Lab File: VV018652.D

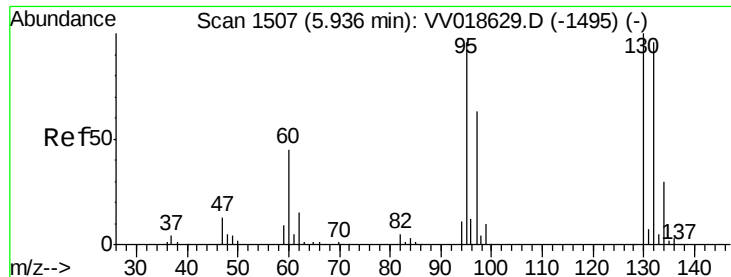
Acq: 03 Oct 2020 13:44

Tgt Ion: 78 Resp: 413389



Abundance Ion 78.00 (77.70 to 78.70): VV0

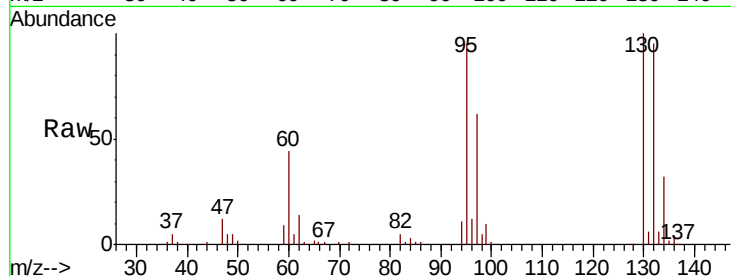




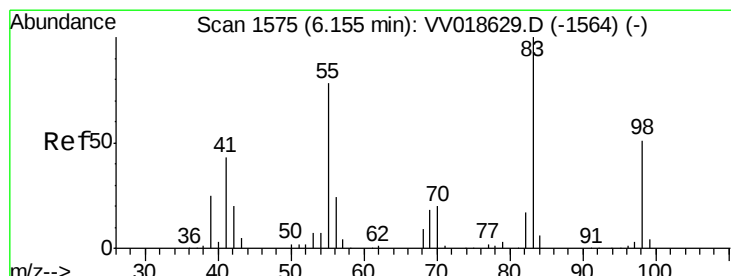
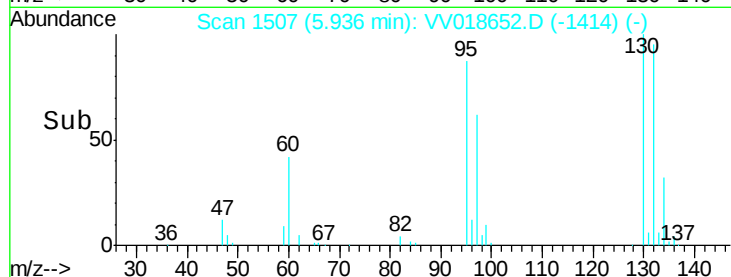
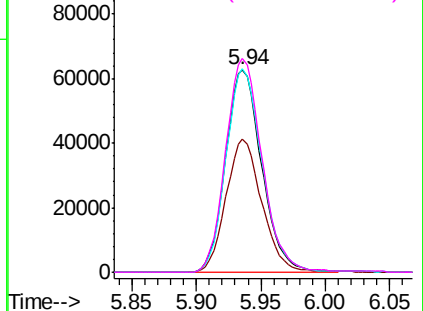
#34
 Trichloroethene
 Concen: 47.091 ug/L
 RT: 5.94 min Scan# 1507
 Delta R.T. -0.00 min
 Lab File: VV018652.D
 Acq: 03 Oct 2020 13:44

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05069

Tot Ion: 95 Resp: 122147
 Ion Ratio Lower Upper
 95 100
 97 65.7 45.9 85.3
 132 100.6 70.8 131.4
 130 105.6 75.3 139.8

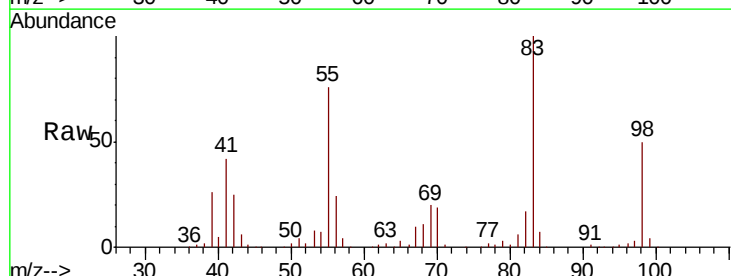


Abundance Ion 95.00 (94.70 to 95.70): VV0
 Ion 97.00 (96.70 to 97.70): VV0
 Ion 132.00 (131.70 to 132.70): VV0
 Ion 130.00 (129.70 to 130.70): VV0

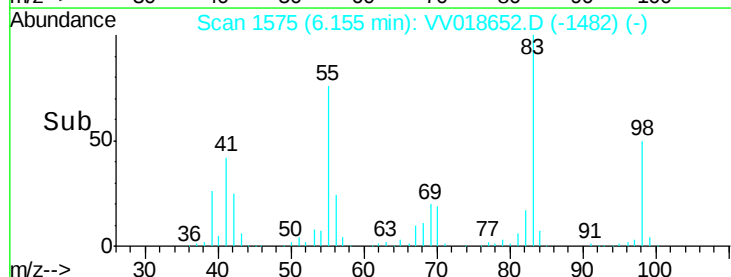
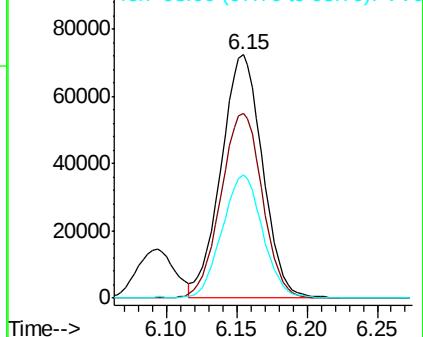


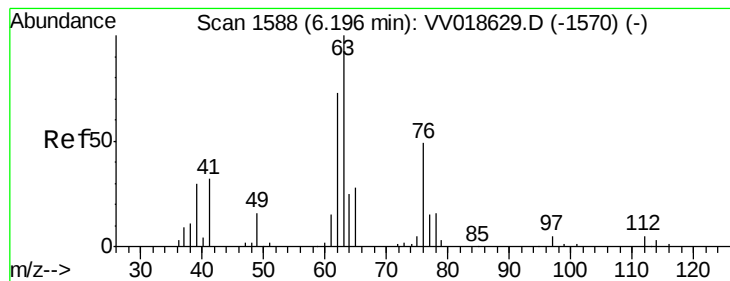
#35
 Methylcyclohexane
 Concen: 42.430 ug/L
 RT: 6.15 min Scan# 1575
 Delta R.T. 0.00 min
 Lab File: VV018652.D
 Acq: 03 Oct 2020 13:44

Tgt Ion: 83 Resp: 148467
 Ion Ratio Lower Upper
 83 100
 55 76.3 60.1 90.1
 98 49.6 40.2 60.4



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: 46.552 ug/L

RT: 6.20 min Scan# 1588

Delta R.T. 0.00 min

Lab File: VV018652.D

Acq: 03 Oct 2020 13:44

Instrument :

MSVOA_V

ClientSampleId :

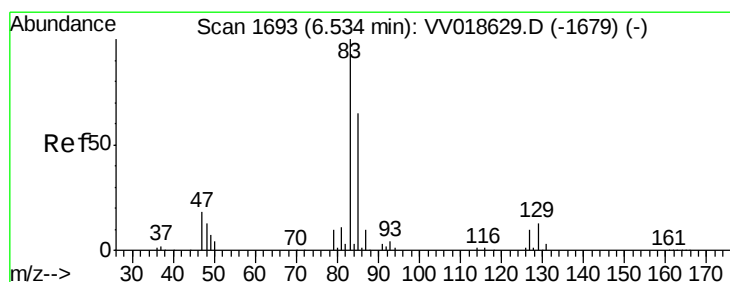
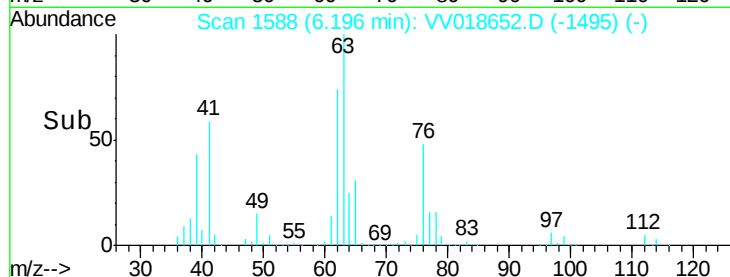
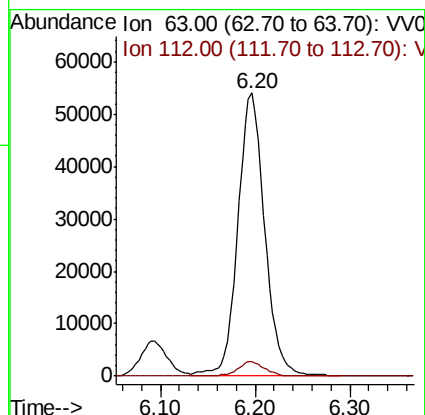
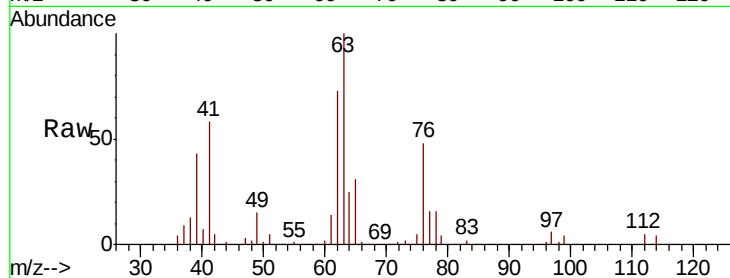
VSTD05069

Tot Ion: 63 Resp: 106709

Ion Ratio Lower Upper

63 100

112 5.2 3.9 5.9



#38

Bromodichloromethane

Concen: 47.986 ug/L

RT: 6.53 min Scan# 1692

Delta R.T. -0.00 min

Lab File: VV018652.D

Acq: 03 Oct 2020 13:44

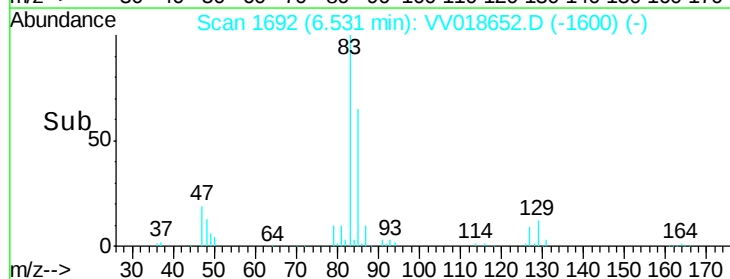
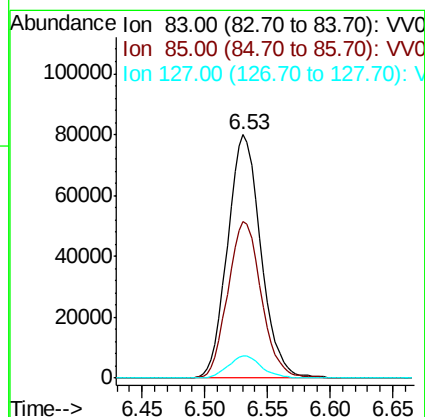
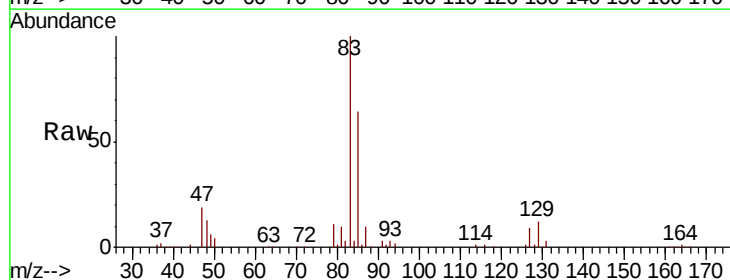
Tgt Ion: 83 Resp: 147311

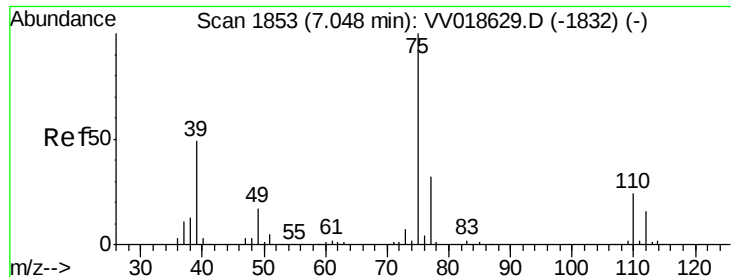
Ion Ratio Lower Upper

83 100

85 64.4 44.5 82.7

127 9.2 7.2 10.8

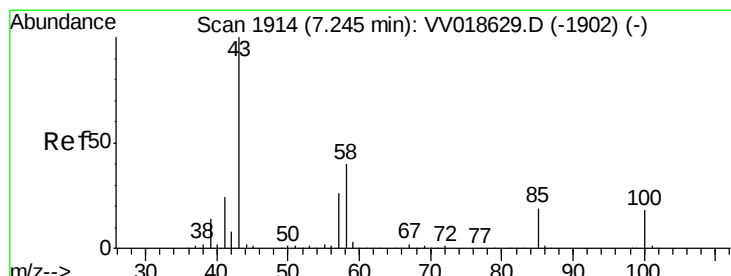
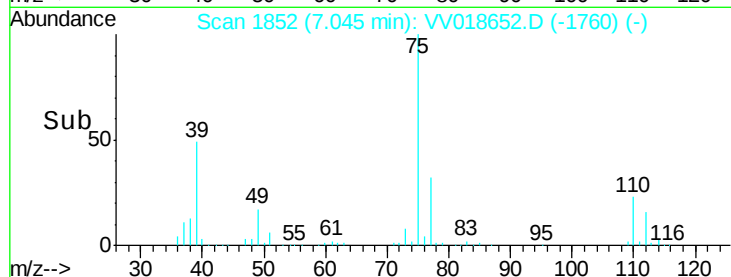
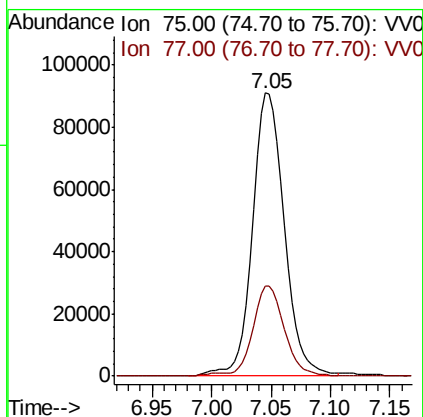
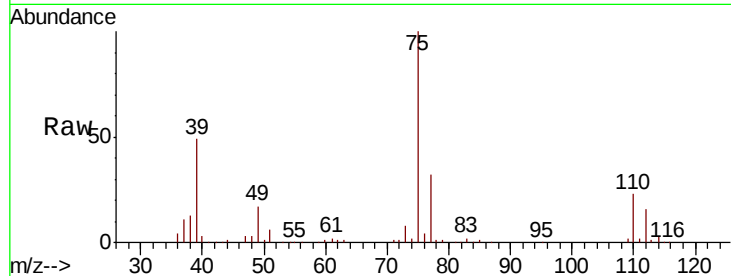




#39
 cis-1,3-Dichloropropene
 Concen: 47.061 ug/L
 RT: 7.05 min Scan# 1852
 Delta R.T. -0.00 min
 Lab File: VV018652.D
 Acq: 03 Oct 2020 13:44

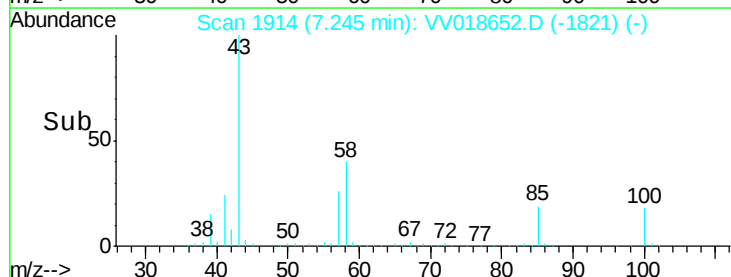
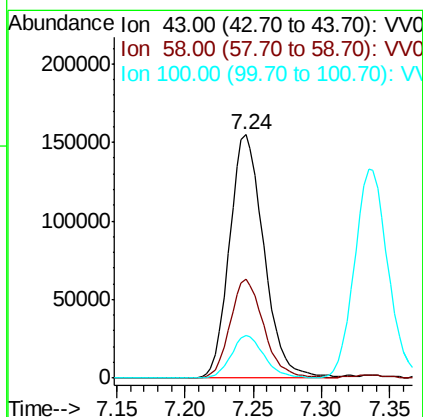
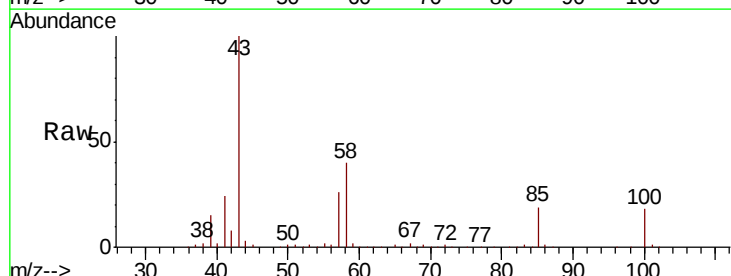
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05069

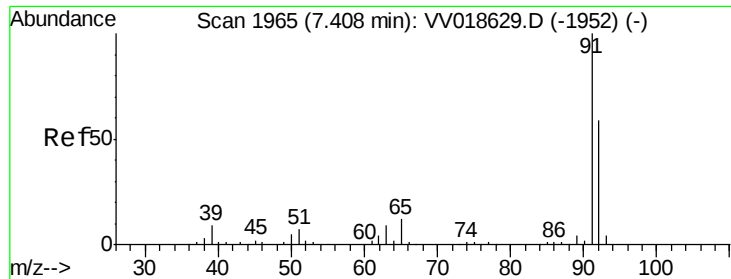
Tot Ion: 75 Resp: 169254
 Ion Ratio Lower Upper
 75 100
 77 31.6 23.0 42.6



#40
 4-Methyl-2-pentanone
 Concen: 91.749 ug/L
 RT: 7.24 min Scan# 1914
 Delta R.T. 0.00 min
 Lab File: VV018652.D
 Acq: 03 Oct 2020 13:44

Tgt Ion: 43 Resp: 271380
 Ion Ratio Lower Upper
 43 100
 58 39.7 31.8 47.6
 100 16.9 13.4 20.0





#42

Toluene

Concen: 47.014 ug/L

RT: 7.41 min Scan# 1965

Delta R.T. 0.00 min

Lab File: VV018652.D

Acq: 03 Oct 2020 13:44

Instrument :

MSVOA_V

ClientSampleId :

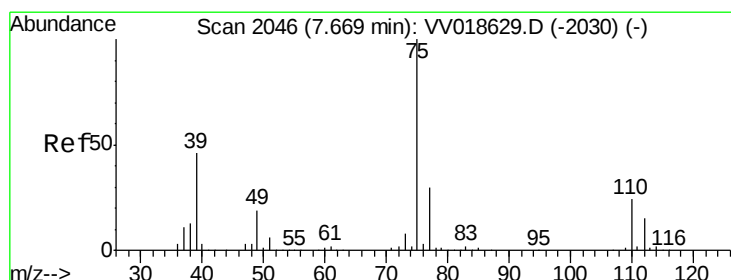
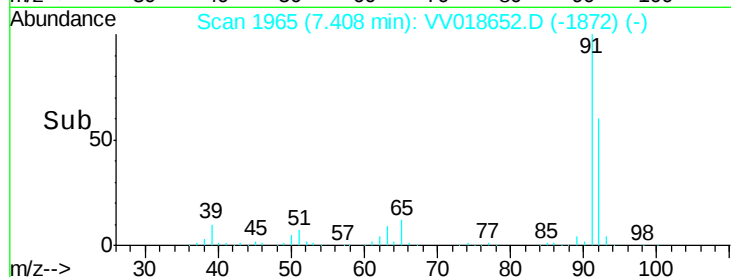
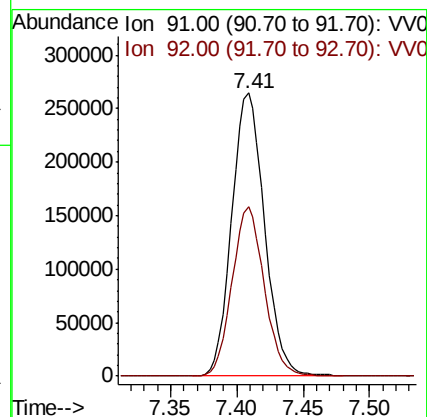
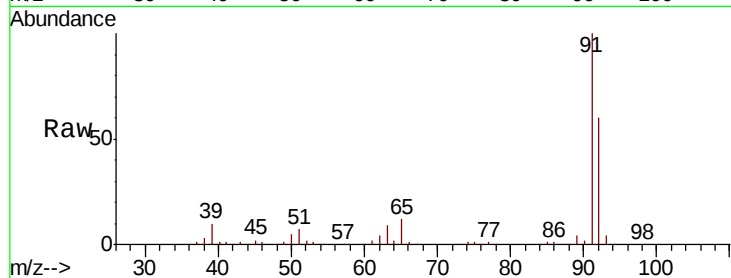
VSTD05069

Tot Ion: 91 Resp: 454403

Ion Ratio Lower Upper

91 100

92 59.7 41.6 77.3



#44

trans-1,3-Dichloropropene

Concen: 48.288 ug/L

RT: 7.67 min Scan# 2046

Delta R.T. -0.00 min

Lab File: VV018652.D

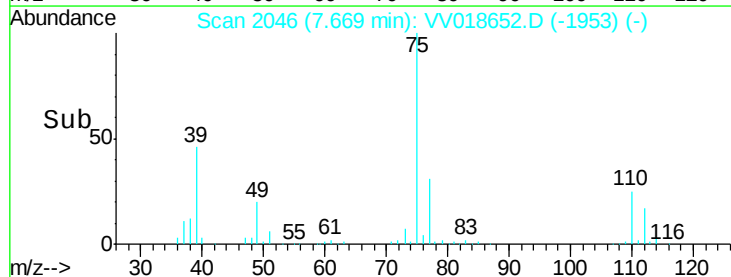
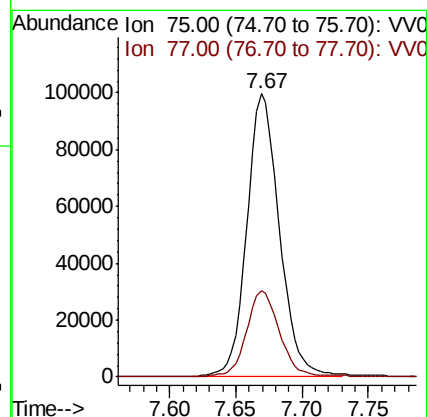
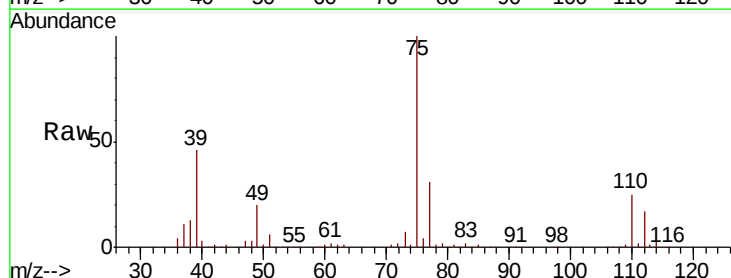
Acq: 03 Oct 2020 13:44

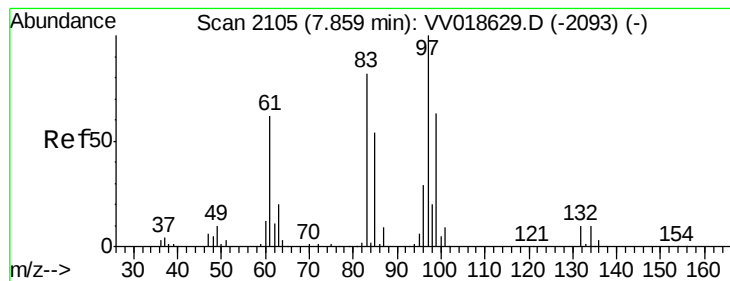
Tgt Ion: 75 Resp: 170597

Ion Ratio Lower Upper

75 100

77 30.6 22.7 42.1





#45

1,1,2-Trichloroethane

Concen: 48.082 ug/L

RT: 7.86 min Scan# 2105

Delta R.T. -0.00 min

Lab File: VV018652.D

Acq: 03 Oct 2020 13:44

Instrument :

MSVOA_V

ClientSampleId :

VSTD05069

Tot Ion: 97 Resp: 109107

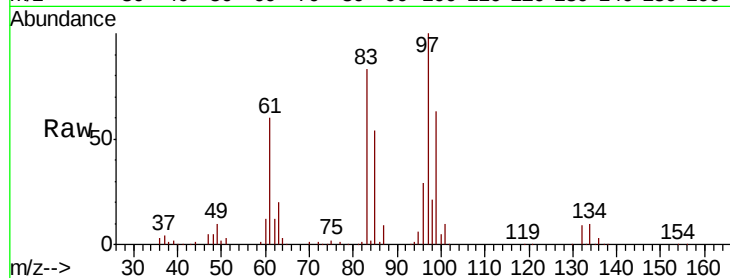
Ion Ratio Lower Upper

97 100

99 62.7 43.3 80.3

83 82.7 60.5 112.5

85 53.6 38.3 71.1

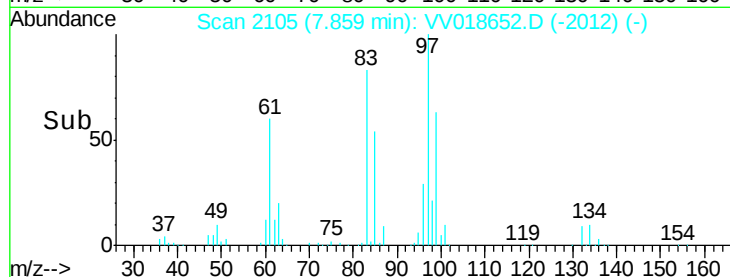


Abundance Ion 97.00 (96.70 to 97.70): VV0

Ion 99.00 (98.70 to 99.70): VV0

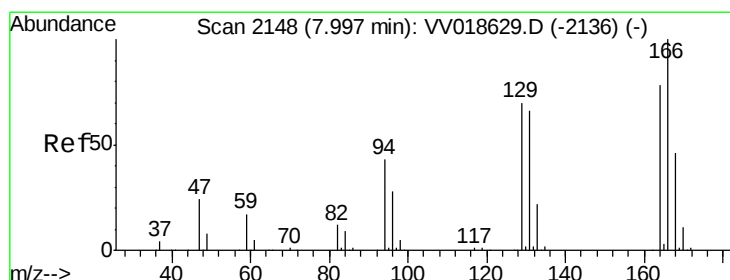
Ion 83.00 (82.70 to 83.70): VV0

Ion 85.00 (84.70 to 85.70): VV0



Time-->

7.86



#46

Tetrachloroethene

Concen: 47.194 ug/L

RT: 8.00 min Scan# 2148

Delta R.T. 0.00 min

Lab File: VV018652.D

Acq: 03 Oct 2020 13:44

Tgt Ion: 164 Resp: 99313

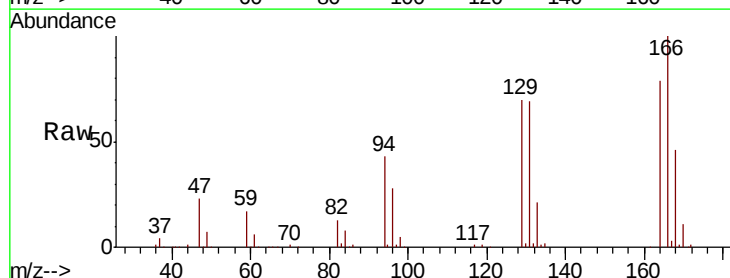
Ion Ratio Lower Upper

164 100

129 89.4 62.8 116.6

131 87.0 60.8 112.8

166 126.9 88.9 165.1

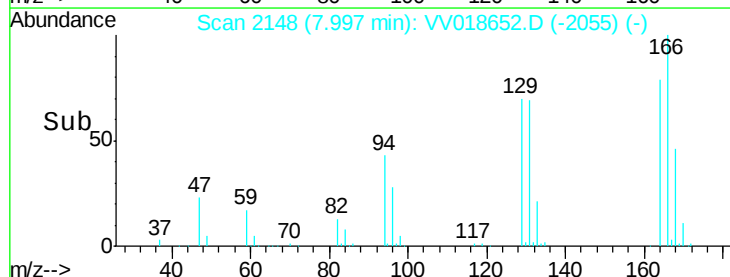


Abundance Ion 164.00 (163.70 to 164.70): V

Ion 129.00 (128.70 to 129.70): V

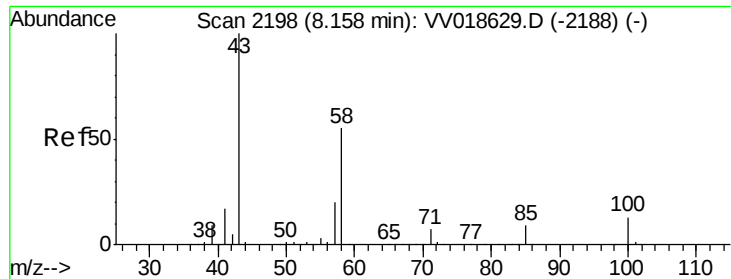
Ion 131.00 (130.70 to 131.70): V

Ion 166.00 (165.70 to 166.70): V



Time-->

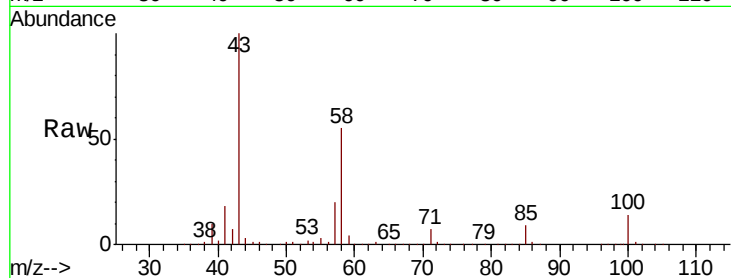
8.00



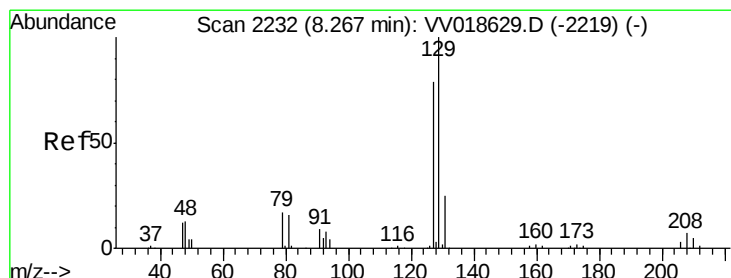
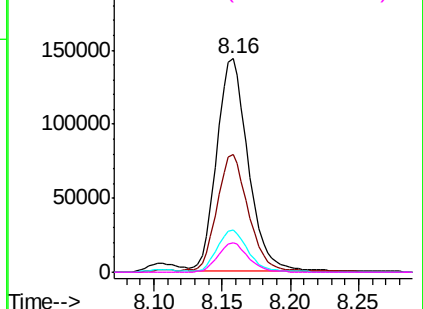
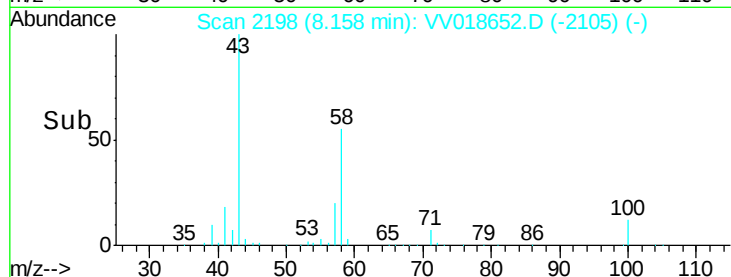
#48
2-Hexanone
Concen: 99.713 ug/L
RT: 8.16 min Scan# 2198
Delta R.T. 0.00 min
Lab File: VV018652.D
Acq: 03 Oct 2020 13:44

Instrument :
MSVOA_V
ClientSampleId :
VSTD05069

Tot Ion:	43	Resp:	230121
Ion	Ratio	Lower	Upper
43	100		
58	55.2	45.1	67.7
57	18.9	15.7	23.5
100	13.5	11.0	16.4

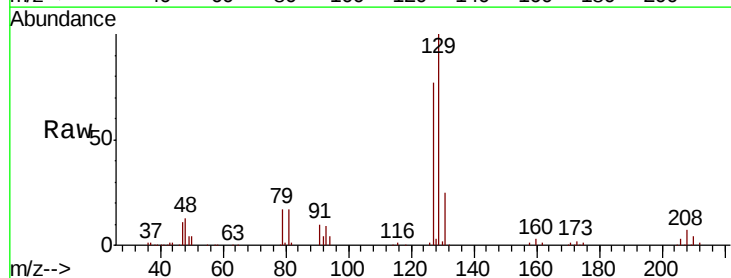


Abundance Ion 43.00 (42.70 to 43.70): VV018652.D (-2105) (-)
Ion 58.00 (57.70 to 58.70): VV018652.D (-2105) (-)
Ion 57.00 (56.70 to 57.70): VV018652.D (-2105) (-)
Ion 100.00 (99.70 to 100.70): VV018652.D (-2105) (-)

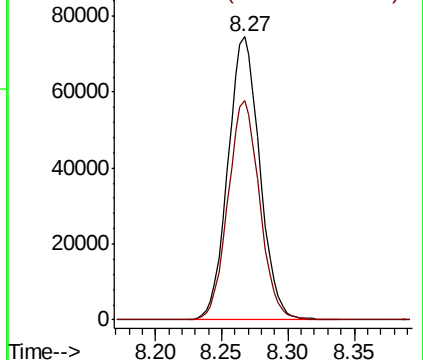
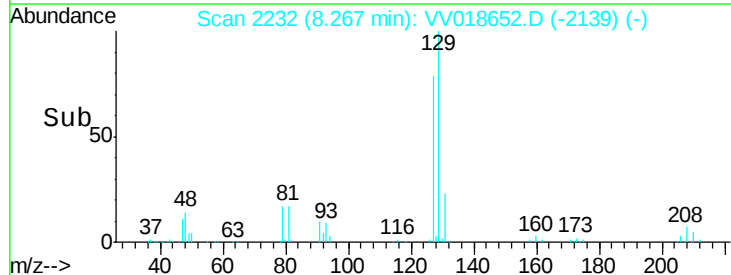


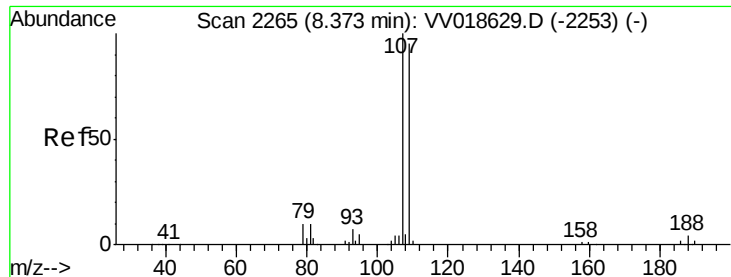
#49
Dibromochloromethane
Concen: 47.969 ug/L
RT: 8.27 min Scan# 2232
Delta R.T. 0.00 min
Lab File: VV018652.D
Acq: 03 Oct 2020 13:44

Tgt Ion:	129	Resp:	124501
Ion	Ratio	Lower	Upper
129	100		
127	77.4	54.1	100.5



Abundance Ion 129.00 (128.70 to 129.70): VV018652.D (-2139) (-)
Ion 127.00 (126.70 to 127.70): VV018652.D (-2139) (-)

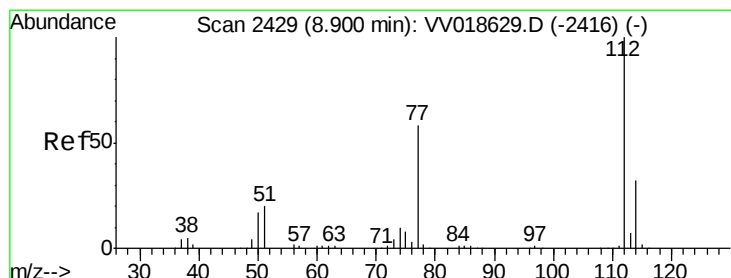
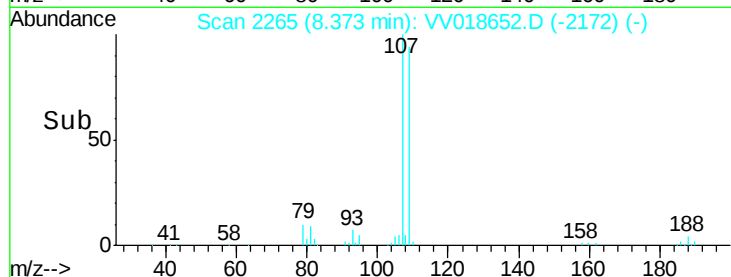
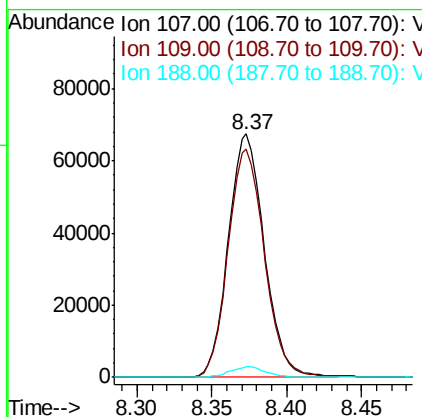
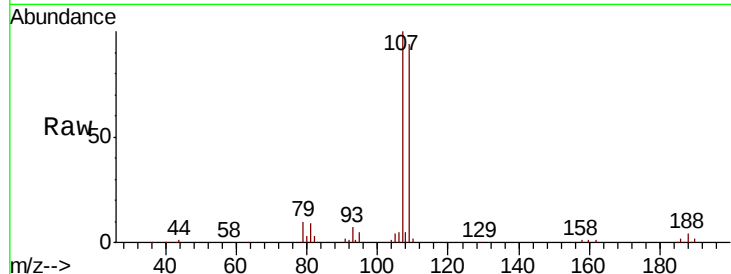




#50
1,2-Dibromoethane
Concen: 46.869 ug/L
RT: 8.37 min Scan# 2265
Delta R.T. -0.00 min
Lab File: VV018652.D
Acq: 03 Oct 2020 13:44

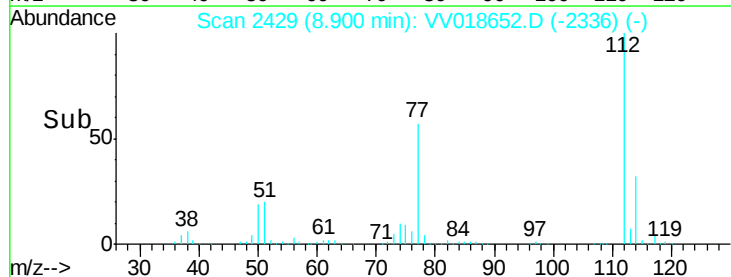
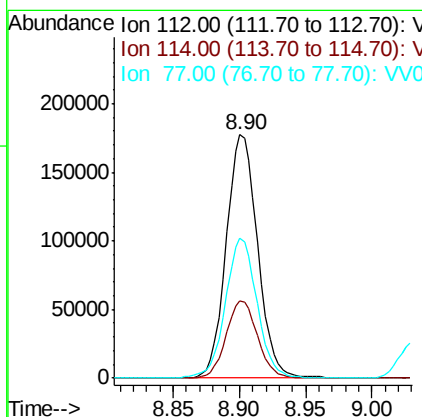
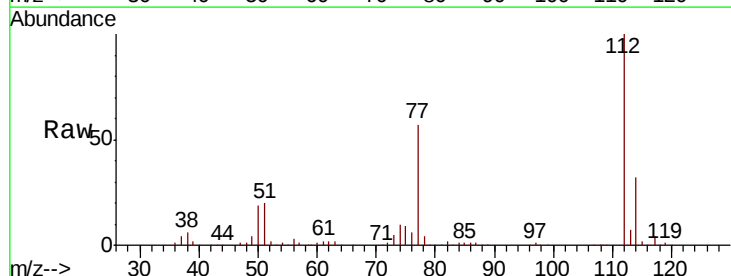
Instrument :
MSVOA_V
ClientSampleId :
VSTD05069

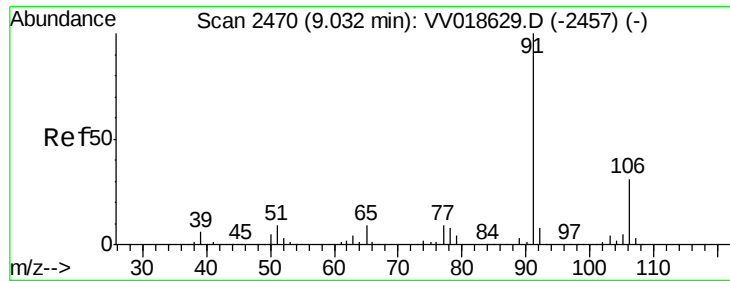
Tot Ion:107 Resp: 113080
Ion Ratio Lower Upper
107 100
109 93.8 65.1 120.9
188 4.5 3.7 5.5



#51
Chlorobenzene
Concen: 44.712 ug/L
RT: 8.90 min Scan# 2429
Delta R.T. 0.00 min
Lab File: VV018652.D
Acq: 03 Oct 2020 13:44

Tgt Ion:112 Resp: 292358
Ion Ratio Lower Upper
112 100
114 31.8 22.4 41.6
77 57.2 44.8 67.2





#52

Ethylbenzene

Concen: 44.983 ug/L

RT: 9.03 min Scan# 2470

Delta R.T. 0.00 min

Lab File: VV018652.D

Acq: 03 Oct 2020 13:44

Instrument :

MSVOA_V

ClientSampleId :

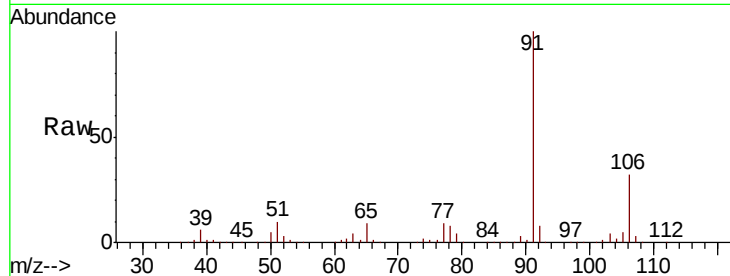
VSTD05069

Tot Ion: 91 Resp: 485544

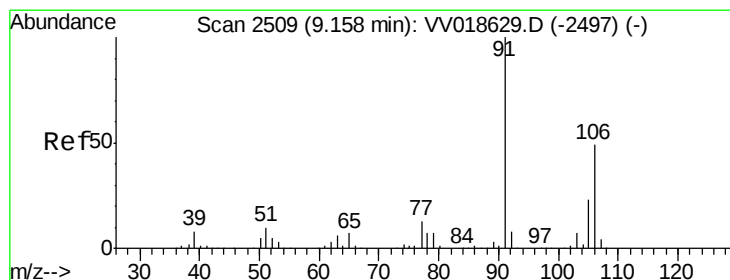
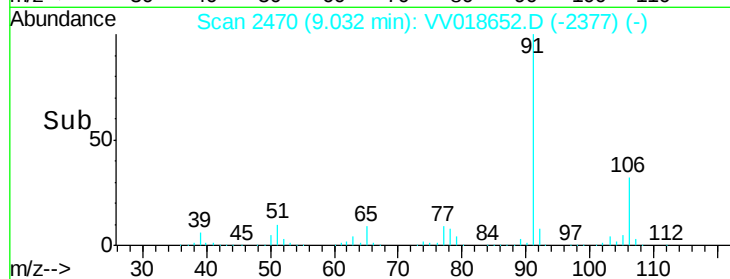
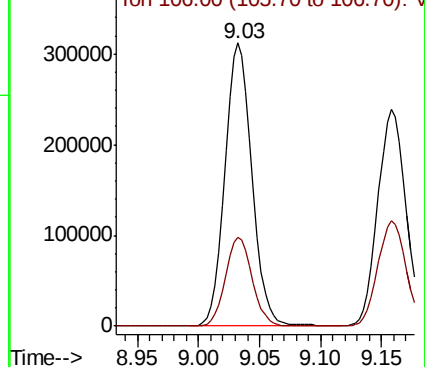
Ion Ratio Lower Upper

91 100

106 31.6 21.9 40.7



Abundance Ion 91.00 (90.70 to 91.70): VV018652.D (-2377) (-)



#53

m,p-Xylene

Concen: 44.643 ug/L

RT: 9.16 min Scan# 2509

Delta R.T. -0.00 min

Lab File: VV018652.D

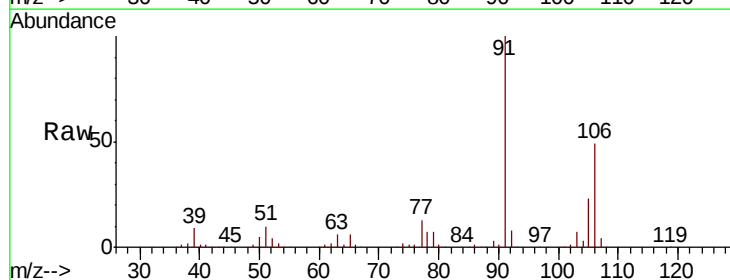
Acq: 03 Oct 2020 13:44

Tgt Ion: 106 Resp: 186225

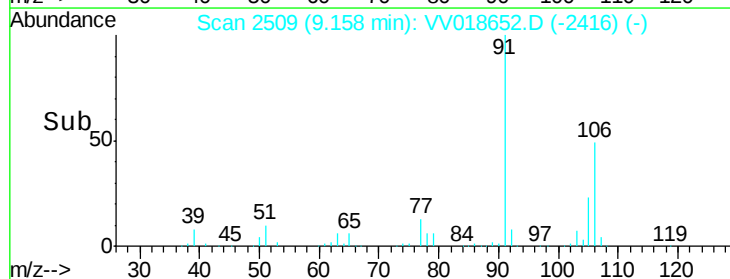
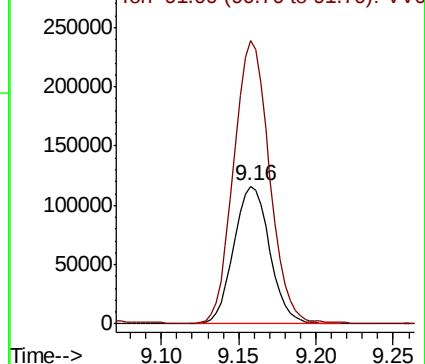
Ion Ratio Lower Upper

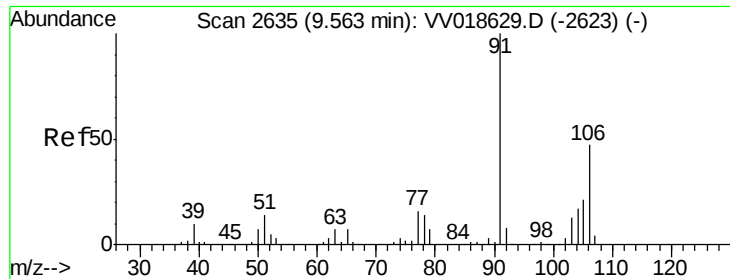
106 100

91 205.9 142.3 264.3



Abundance Ion 106.00 (105.70 to 106.70): VV018652.D (-2416) (-)





#54

o-xylene

Concen: 45.406 ug/L

RT: 9.56 min Scan# 2635

Delta R.T. 0.00 min

Lab File: VV018652.D

Acq: 03 Oct 2020 13:44

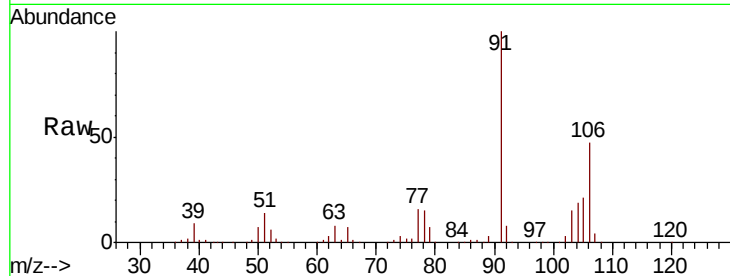
Instrument :
MSVOA_V
ClientSampleId :
VSTD05069

Tot Ion:106 Resp: 179325

Ion Ratio Lower Upper

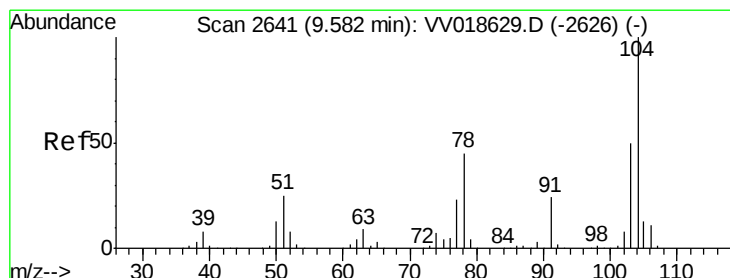
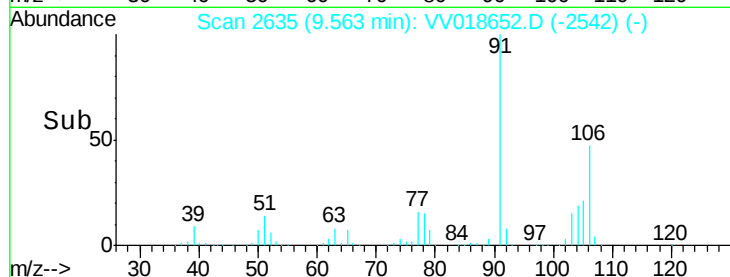
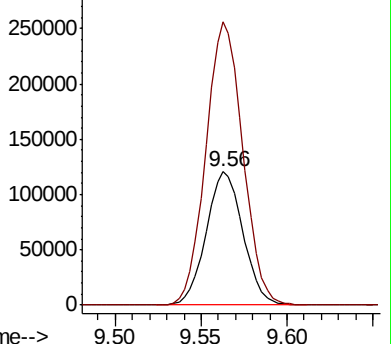
106 100

91 212.2 151.0 280.4



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VV0



#55

Styrene

Concen: 46.965 ug/L

RT: 9.58 min Scan# 2640

Delta R.T. -0.00 min

Lab File: VV018652.D

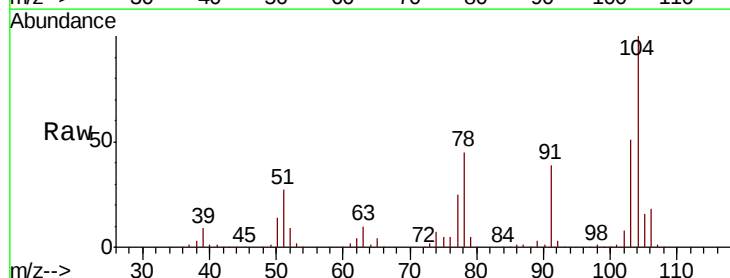
Acq: 03 Oct 2020 13:44

Tgt Ion:104 Resp: 322964

Ion Ratio Lower Upper

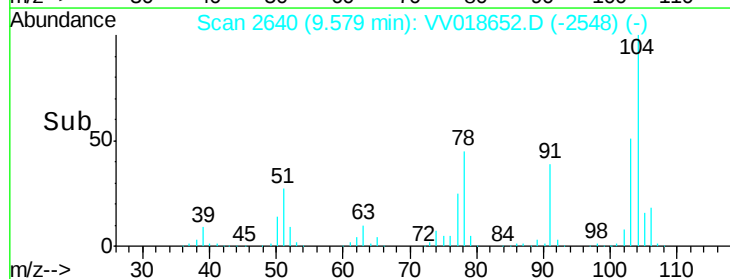
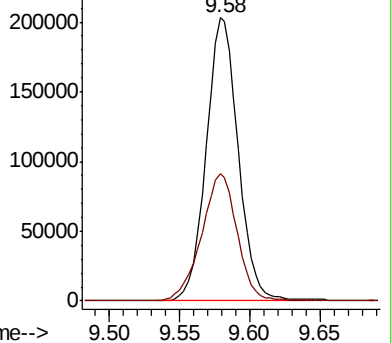
104 100

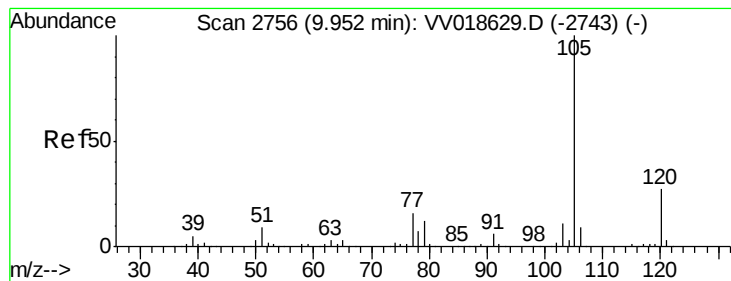
78 45.2 30.2 56.2



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VV0





#56

Isopropylbenzene

Concen: 44.645 ug/L

RT: 9.95 min Scan# 2756

Delta R.T. -0.00 min

Lab File: VV018652.D

Acq: 03 Oct 2020 13:44

Instrument :

MSVOA_V

ClientSampleId :

VSTD05069

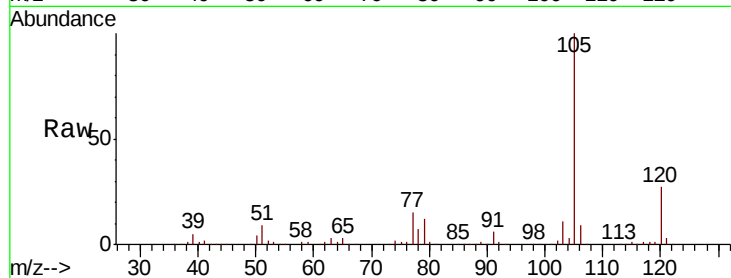
Tot Ion:105 Resp: 472874

Ion Ratio Lower Upper

105 100

120 26.7 21.5 32.3

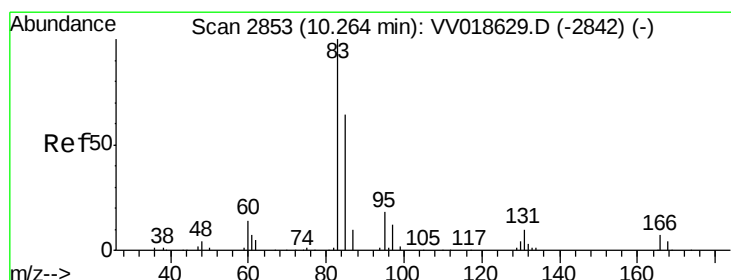
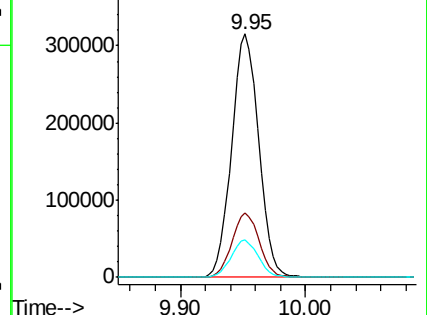
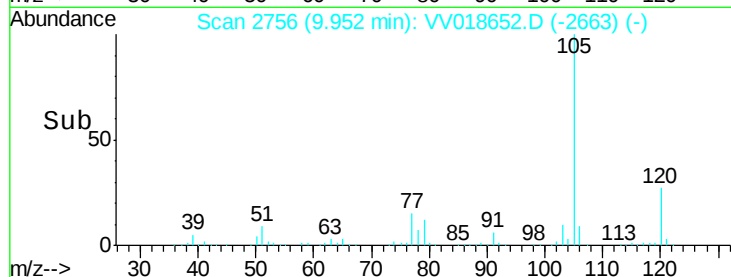
77 15.4 12.2 18.2



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: 46.210 ug/L

RT: 10.26 min Scan# 2852

Delta R.T. -0.00 min

Lab File: VV018652.D

Acq: 03 Oct 2020 13:44

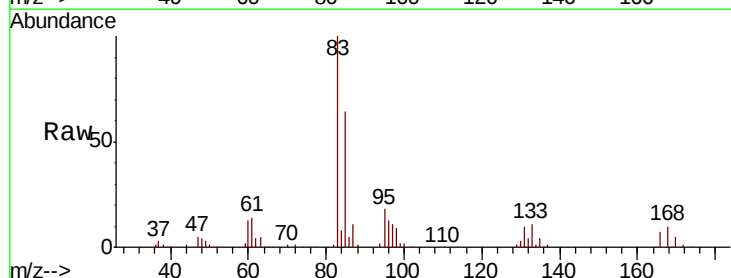
Tgt Ion: 83 Resp: 147804

Ion Ratio Lower Upper

83 100

85 64.3 44.5 82.7

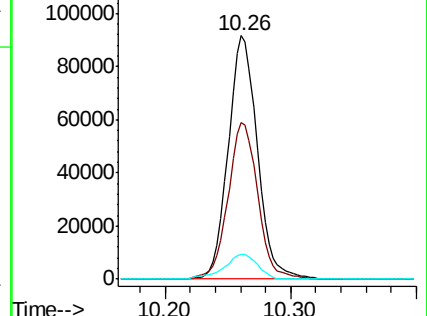
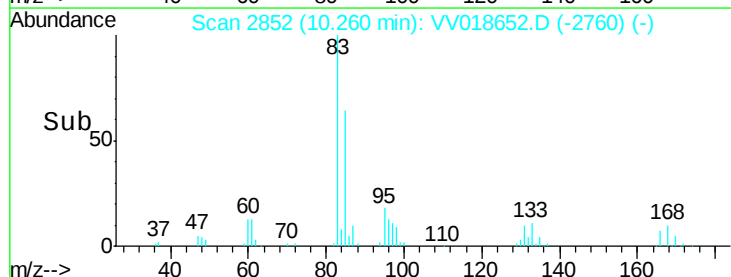
131 10.3 8.6 12.8

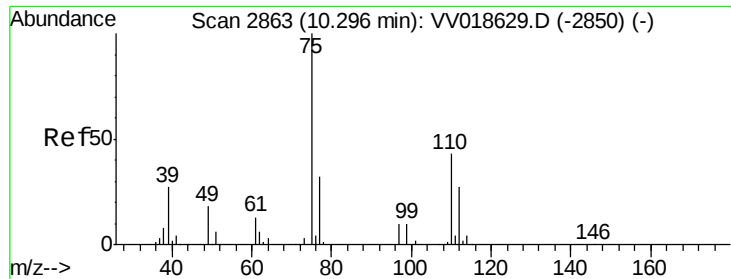


Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 131.00 (130.70 to 131.70): V

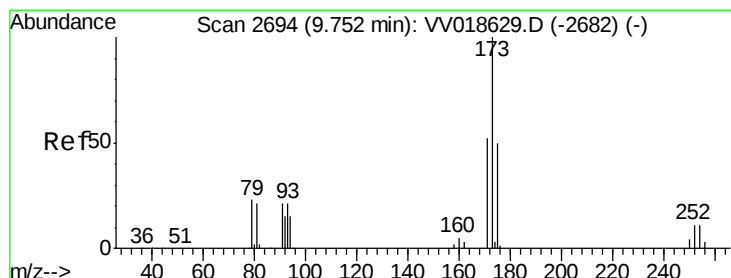
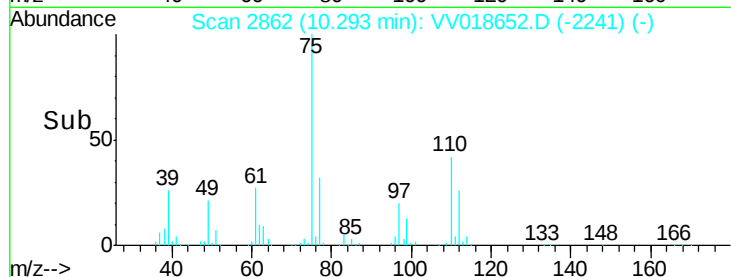
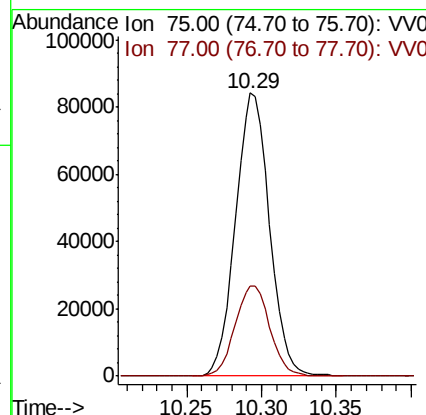
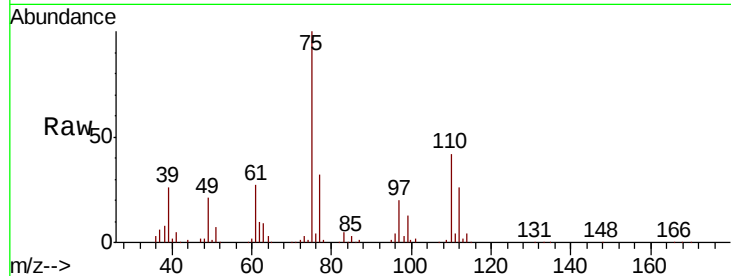




#59
 1,2,3-Trichloropropane
 Concen: 47.838 ug/L
 RT: 10.29 min Scan# 2862
 Delta R.T. -0.00 min
 Lab File: VV018652.D
 Acq: 03 Oct 2020 13:44

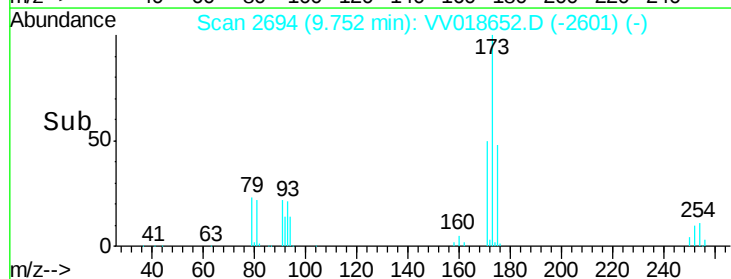
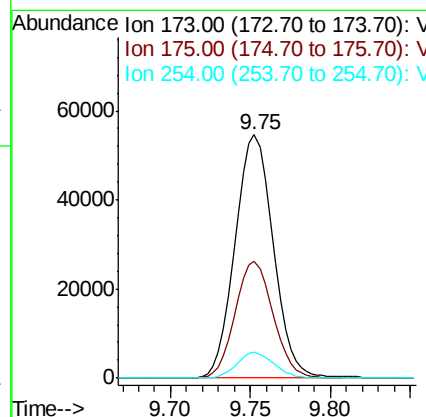
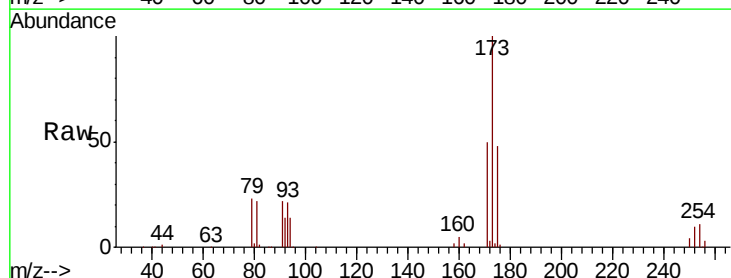
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05069

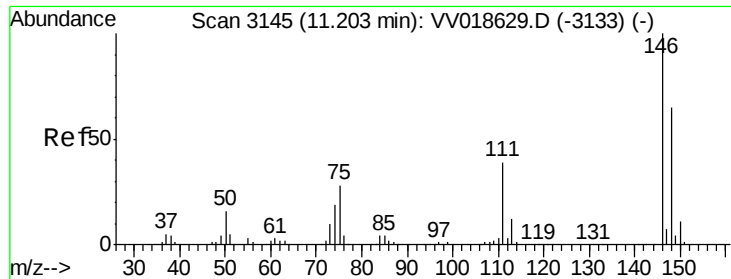
Tot Ion: 75 Resp: 133384
 Ion Ratio Lower Upper
 75 100
 77 32.5 25.4 38.0



#61
 Bromoform
 Concen: 43.924 ug/L
 RT: 9.75 min Scan# 2694
 Delta R.T. -0.00 min
 Lab File: VV018652.D
 Acq: 03 Oct 2020 13:44

Tgt Ion: 173 Resp: 88955
 Ion Ratio Lower Upper
 173 100
 175 47.7 39.8 59.8
 254 10.2 8.5 12.7





#62

1,3-Dichlorobenzene

Concen: 44.364 ug/L

RT: 11.20 min Scan# 3145

Delta R.T. -0.00 min

Lab File: VV018652.D

Acq: 03 Oct 2020 13:44

Instrument :

MSVOA_V

ClientSampleId :

VSTD05069

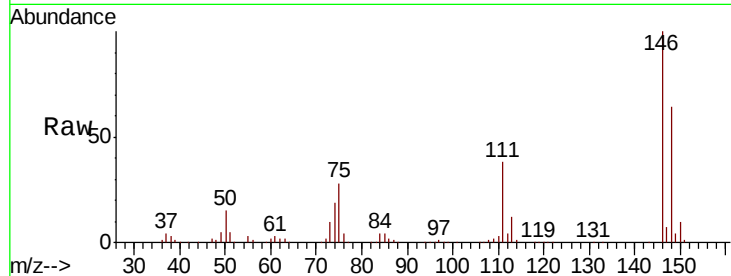
Tot Ion:146 Resp: 253136

Ion Ratio Lower Upper

146 100

111 38.5 26.8 49.8

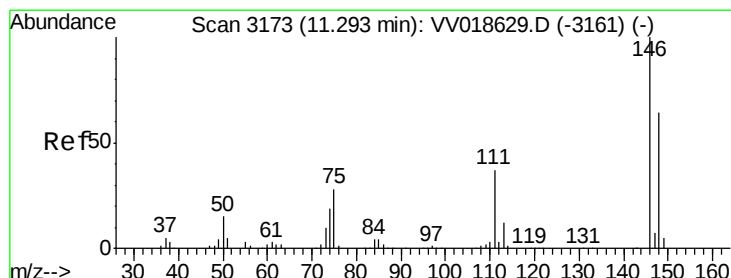
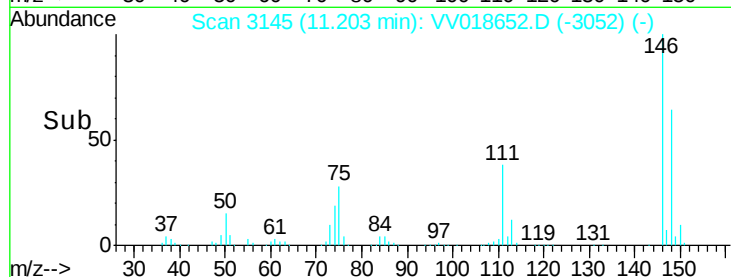
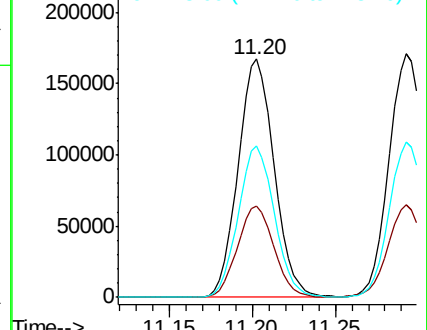
148 63.5 44.0 81.8



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



#63

1,4-Dichlorobenzene

Concen: 44.897 ug/L

RT: 11.29 min Scan# 3173

Delta R.T. 0.00 min

Lab File: VV018652.D

Acq: 03 Oct 2020 13:44

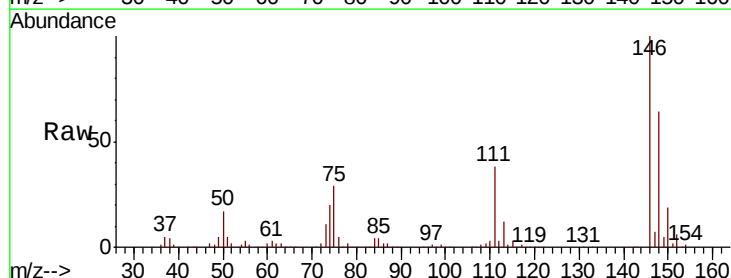
Tgt Ion:146 Resp: 263798

Ion Ratio Lower Upper

146 100

111 37.8 26.2 48.6

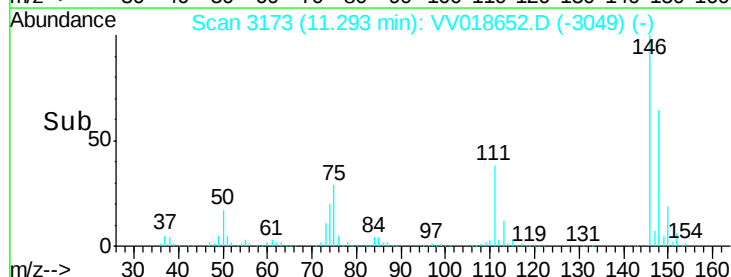
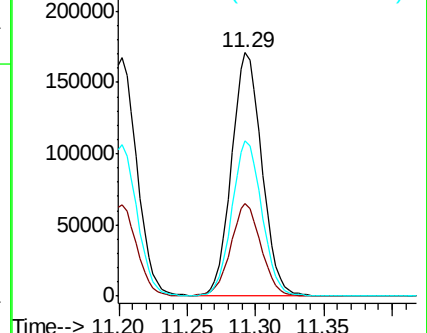
148 63.6 44.4 82.5

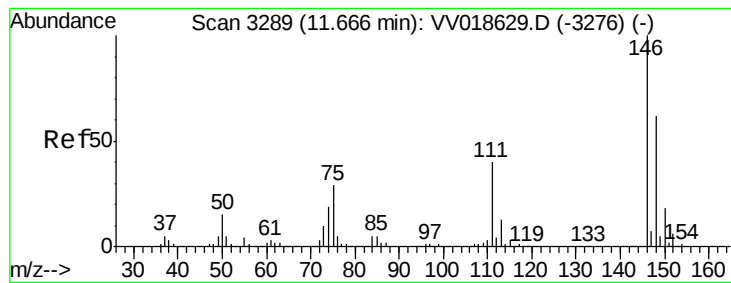


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 44.632 ug/L

RT: 11.67 min Scan# 3289

Delta R.T. 0.00 min

Lab File: VV018652.D

Acq: 03 Oct 2020 13:44

Instrument :

MSVOA_V

ClientSampleId :

VSTD05069

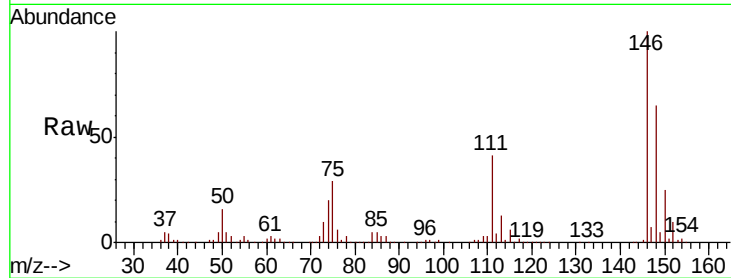
Tot Ion:146 Resp: 251938

Ion Ratio Lower Upper

146 100

111 40.6 32.8 49.2

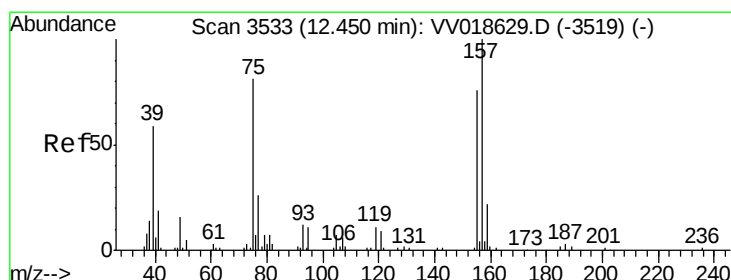
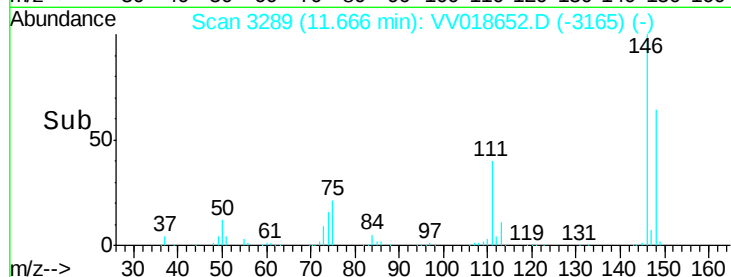
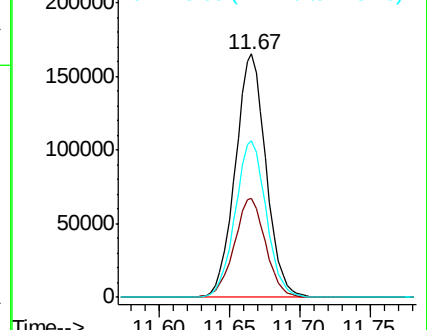
148 64.5 51.9 77.9



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: 40.630 ug/L

RT: 12.45 min Scan# 3533

Delta R.T. 0.00 min

Lab File: VV018652.D

Acq: 03 Oct 2020 13:44

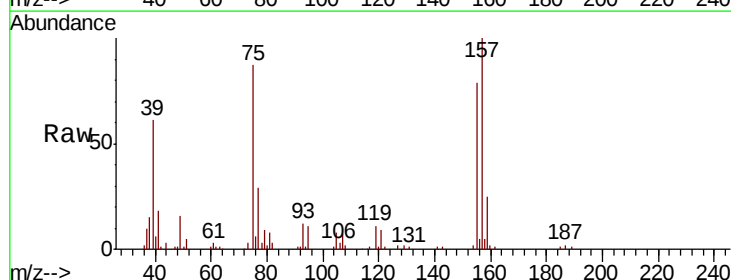
Tgt Ion: 75 Resp: 31309

Ion Ratio Lower Upper

75 100

155 91.3 73.0 109.6

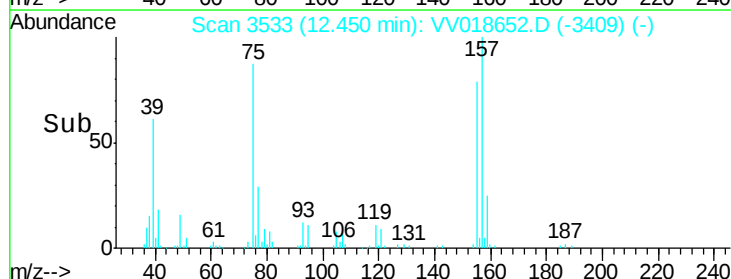
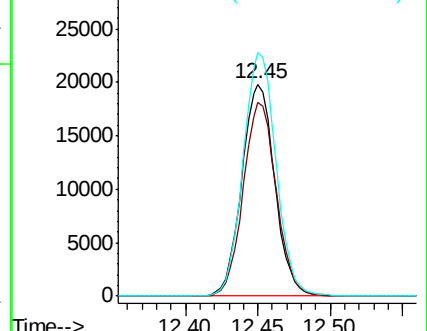
157 114.8 95.8 143.6

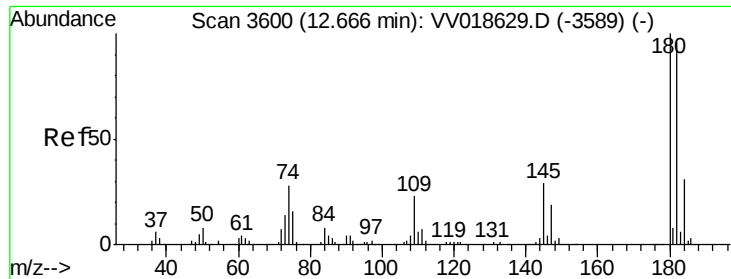


Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

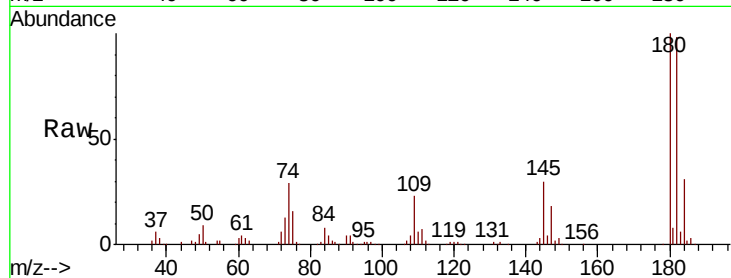




#67
 1,3,5-Trichlorobenzene
 Concen: 39.620 ug/L
 RT: 12.67 min Scan# 3600
 Delta R.T. -0.00 min
 Lab File: VV018652.D
 Acq: 03 Oct 2020 13:44

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05069

Tot Ion	Ratio	Lower	Upper
180	100		
182	96.8	77.1	115.7
184	30.9	24.3	36.5
145	29.7	22.9	34.3



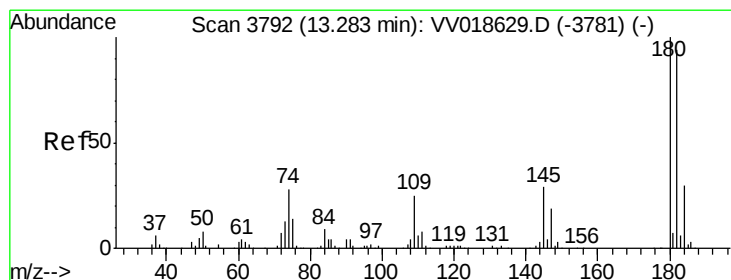
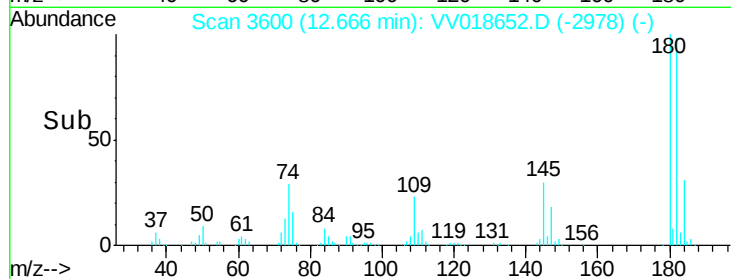
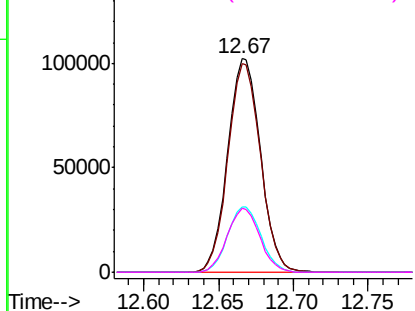
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

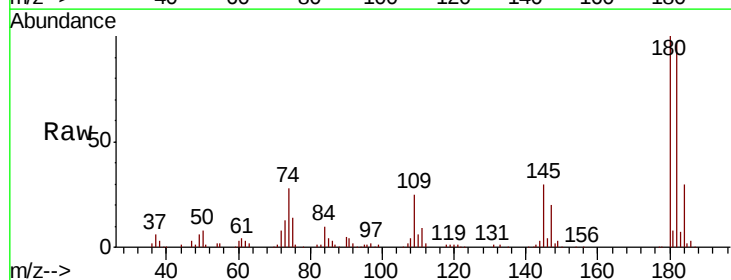
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 39.783 ug/L
 RT: 13.28 min Scan# 3792
 Delta R.T. -0.00 min
 Lab File: VV018652.D
 Acq: 03 Oct 2020 13:44

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.7	76.3	114.5
145	29.7	23.6	35.4

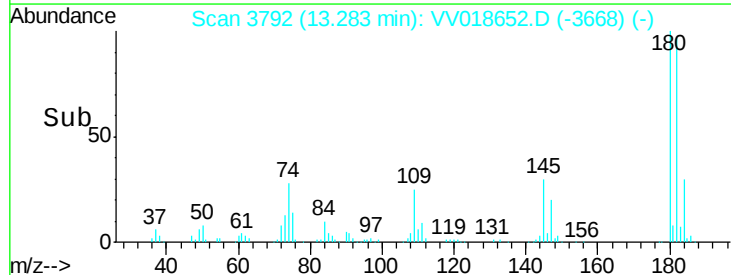
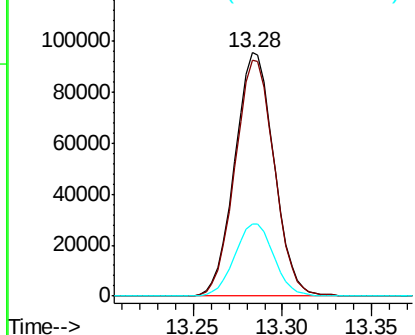


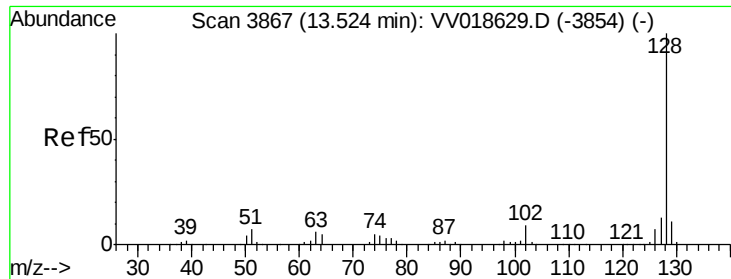
Abundance

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: 42.789 ug/L

RT: 13.52 min Scan# 3867

Delta R.T. -0.00 min

Lab File: VV018652.D

Acq: 03 Oct 2020 13:44

Instrument :

MSVOA_V

ClientSampleId :

VSTD05069

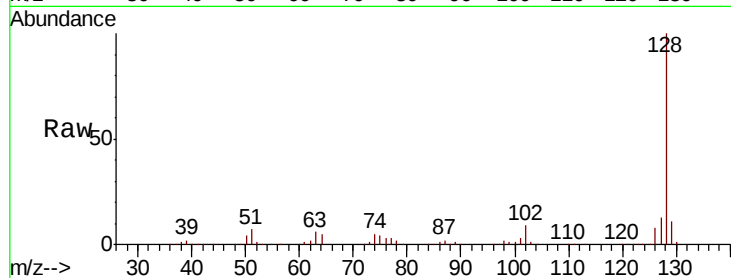
Tot Ion:128 Resp: 450495

Ion Ratio Lower Upper

128 100

127 13.1 10.3 15.5

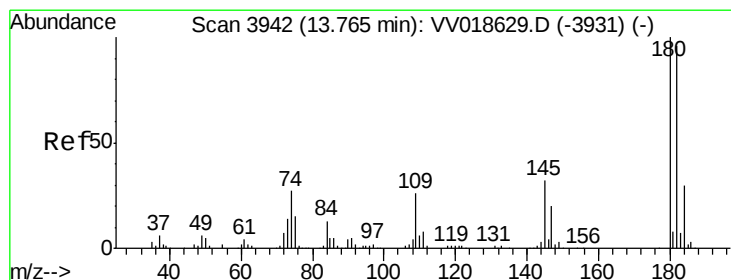
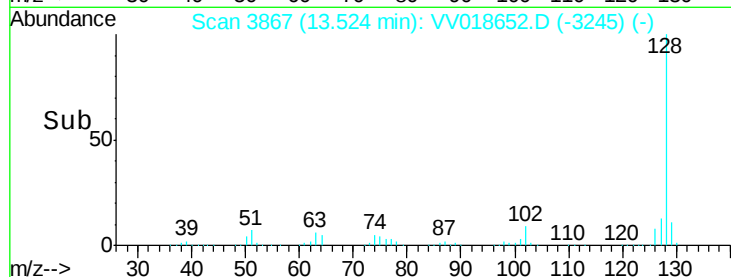
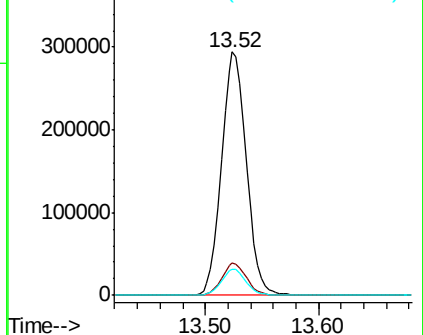
129 10.6 8.6 12.8



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: 41.336 ug/L

RT: 13.77 min Scan# 3943

Delta R.T. 0.00 min

Lab File: VV018652.D

Acq: 03 Oct 2020 13:44

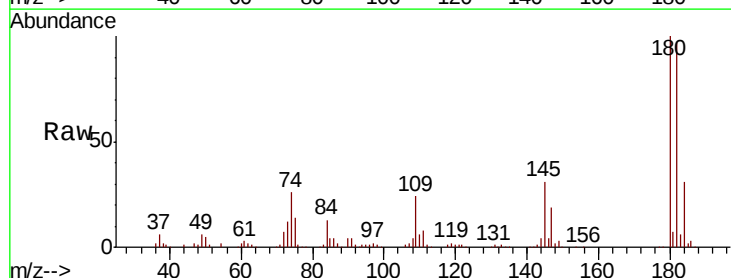
Tgt Ion:180 Resp: 152619

Ion Ratio Lower Upper

180 100

182 95.5 77.1 115.7

145 31.8 25.1 37.7



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

