

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV062220\
 Data File : VV017018.D
 Acq On : 22 Jun 2020 13:54
 Operator : SY/MD
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05069

Quant Time: Jun 23 03:25:06 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM060820WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Jun 23 03:22:30 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	344503	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	325640	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	169756	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	109225	44.93	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	89.86%
7) Chloroethane-d5	1.58	69	72129	49.45	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	98.90%
11) 1,1-Dichloroethene-d2	2.12	63	212145	51.97	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	103.94%
21) 2-Butanone-d5	3.91	46	181898	101.10	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	101.10%
24) Chloroform-d	4.38	84	259287	52.46	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	104.92%
26) 1,2-Dichloroethane-d4	5.06	65	173868	51.71	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	103.42%
32) Benzene-d6	5.08	84	481607	51.31	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	102.62%
36) 1,2-Dichloropropane-d6	6.09	67	146021	49.90	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	99.80%
41) Toluene-d8	7.34	98	449771	52.21	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	104.42%
43) trans-1,3-Dichloropropene-	7.64	79	79657	52.27	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	104.54%
47) 2-Hexanone-d5	8.11	63	119843	93.94	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	93.94%
57) 1,1,2,2-Tetrachloroethane-	10.24	84	191967	49.56	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	99.12%
64) 1,2-Dichlorobenzene-d4	11.65	152	185890	51.31	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	102.62%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.14	85	134065	49.085	ug/L 100
3) Chloromethane	1.25	50	116861	46.787	ug/L 98
5) Vinyl chloride	1.32	62	116604	47.473	ug/L 99
6) Bromomethane	1.53	94	67267	65.755	ug/L 98
8) Chloroethane	1.60	64	57286	47.215	ug/L 96
9) Trichlorofluoromethane	1.76	101	192362	52.334	ug/L 99
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	100920	55.099	ug/L 98
12) 1,1-Dichloroethene	2.13	96	92890	54.326	ug/L 98
13) Acetone	2.19	43	150476	126.937	ug/L 97
14) Carbon disulfide	2.31	76	288640	46.624	ug/L 99
15) Methyl Acetate	2.45	43	133442	50.504	ug/L 97
16) Methylene chloride	2.52	84	130365	51.958	ug/L 97
17) trans-1,2-Dichloroethene	2.78	96	115598	49.585	ug/L 97
18) Methyl tert-butyl Ether	2.78	73	418356	54.158	ug/L 99
19) 1,1-Dichloroethane	3.21	63	229301	52.253	ug/L 99
20) cis-1,2-Dichloroethene	3.94	96	133923	52.693	ug/L 98
22) 2-Butanone	3.99	43	200867	109.881	ug/L 99

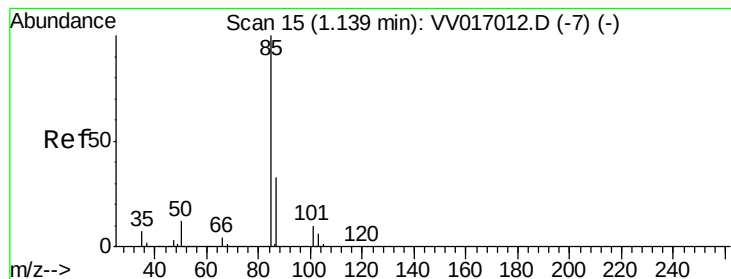
Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV062220\
 Data File : VV017018.D
 Acq On : 22 Jun 2020 13:54
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 QLast Update : Tue Jun 23 03:22:30 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.28	128	71744	53.586	ug/L	95
25) Chloroform	4.40	83	248640	55.132	ug/L	96
27) 1,2-Dichloroethane	5.16	62	209715	55.472	ug/L	97
29) Cyclohexane	4.70	56	192678	47.615	ug/L	99
30) 1,1,1-Trichloroethane	4.64	97	228327	54.981	ug/L	99
31) Carbon tetrachloride	4.86	117	203077	56.526	ug/L	99
33) Benzene	5.13	78	495578	51.437	ug/L	100
34) Trichloroethene	5.94	95	139418	53.954	ug/L	99
35) Methylcyclohexane	6.15	83	199036	49.099	ug/L	98
37) 1,2-Dichloropropane	6.20	63	129051	51.505	ug/L	98
38) Bromodichloromethane	6.53	83	185045	55.479	ug/L	98
39) cis-1,3-Dichloropropene	7.05	75	207158	53.226	ug/L	98
40) 4-Methyl-2-pentanone	7.25	43	376206	105.959	ug/L	98
42) Toluene	7.41	91	540193	53.185	ug/L	99
44) trans-1,3-Dichloropropene	7.67	75	212785	56.235	ug/L	99
45) 1,1,2-Trichloroethane	7.86	97	130376	53.934	ug/L	99
46) Tetrachloroethene	8.00	164	110305	54.277	ug/L	97
48) 2-Hexanone	8.16	43	300378	109.113	ug/L	98
49) Dibromochloromethane	8.27	129	148434	57.429	ug/L	100
50) 1,2-Dibromoethane	8.37	107	137827	54.446	ug/L	100
51) Chlorobenzene	8.90	112	350389	52.876	ug/L	99
52) Ethylbenzene	9.03	91	609497	54.177	ug/L	98
53) m,p-Xylene	9.16	106	223978	53.471	ug/L	96
54) o-xylene	9.56	106	225291	54.535	ug/L	98
55) Styrene	9.58	104	387876	55.533	ug/L	99
56) Isopropylbenzene	9.95	105	610481	54.997	ug/L	100
58) 1,1,1,2,2-Tetrachloroethane	10.26	83	189927	51.244	ug/L	98
59) 1,2,3-Trichloropropane	10.30	75	167454	53.865	ug/L	98
61) Bromoform	9.75	173	103545	59.301	ug/L	99
62) 1,3-Dichlorobenzene	11.20	146	289634	53.868	ug/L	98
63) 1,4-Dichlorobenzene	11.29	146	289487	52.917	ug/L	98
65) 1,2-Dichlorobenzene	11.67	146	296591	55.044	ug/L	100
66) 1,2-Dibromo-3-chloropropan	12.45	75	43336	51.149	ug/L	96
67) 1,3,5-Trichlorobenzene	12.67	180	215458	53.739	ug/L	98
68) 1,2,4-trichlorobenzene	13.28	180	194538	52.899	ug/L	99
69) Naphthalene	13.52	128	576817	54.528	ug/L	100
70) 1,2,3-Trichlorobenzene	13.77	180	194820	54.142	ug/L	100

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



#2

Dichlorodifluoromethane

Concen: 49.085 ug/L

RT: 1.14 min Scan# 15

Delta R.T. -0.00 min

Lab File: VV017018.D

Acq: 22 Jun 2020 13:54

Instrument :

MSVOA_V

ClientSampleId :

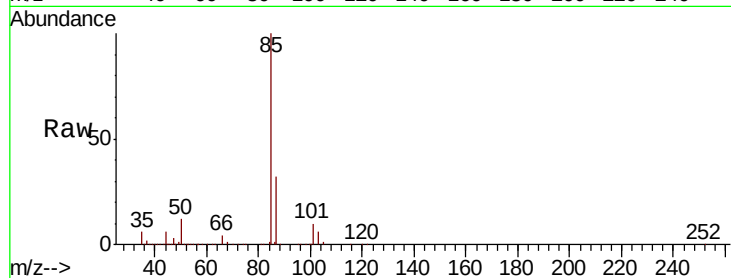
VSTD05069

Tot Ion: 85 Resp: 134065

Ion Ratio Lower Upper

85 100

87 31.7 25.6 38.4



Abundance Ion 85.00 (84.70 to 85.70): VV0

Ion 87.00 (86.70 to 87.70): VV0

1.14

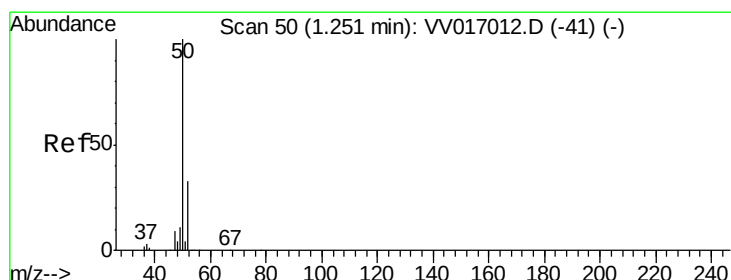
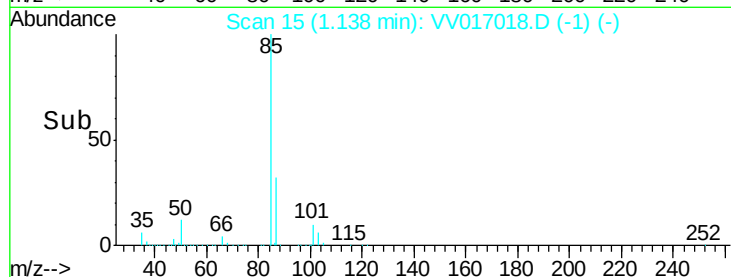
150000

100000

50000

0

Time-->



#3

Chloromethane

Concen: 46.787 ug/L

RT: 1.25 min Scan# 50

Delta R.T. -0.00 min

Lab File: VV017018.D

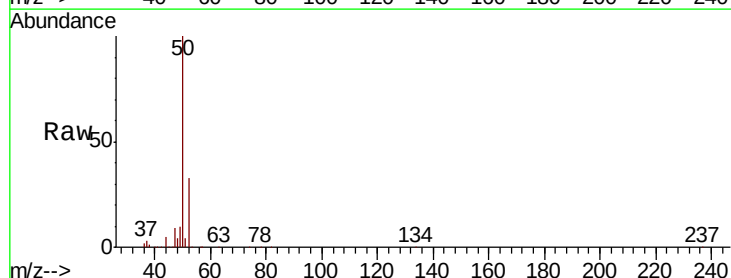
Acq: 22 Jun 2020 13:54

Tgt Ion: 50 Resp: 116861

Ion Ratio Lower Upper

50 100

52 33.0 22.5 41.7



Abundance Ion 50.00 (49.70 to 50.70): VV0

Ion 52.00 (51.70 to 52.70): VV0

1.25

120000

100000

80000

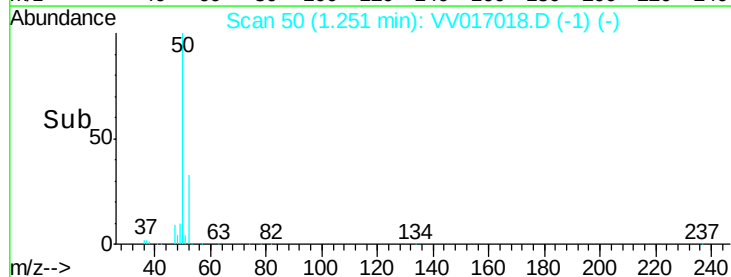
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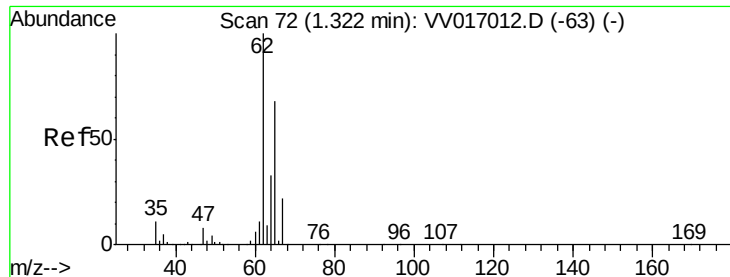
40000

20000

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Time-->





#5

Vinyl chloride

Concen: 47.473 ug/L

RT: 1.32 min Scan# 72

Delta R.T. -0.00 min

Lab File: VV017018.D

Acq: 22 Jun 2020 13:54

Instrument :

MSVOA_V

ClientSampleId :

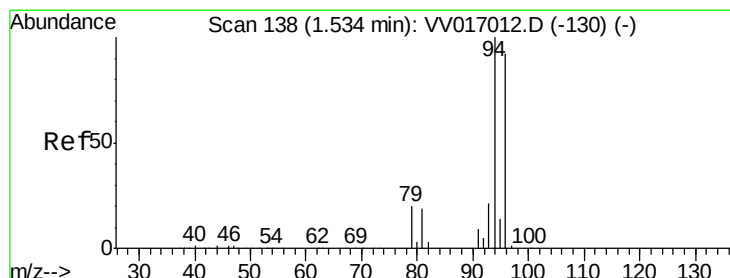
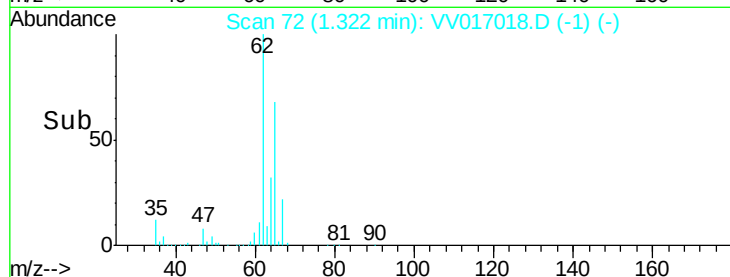
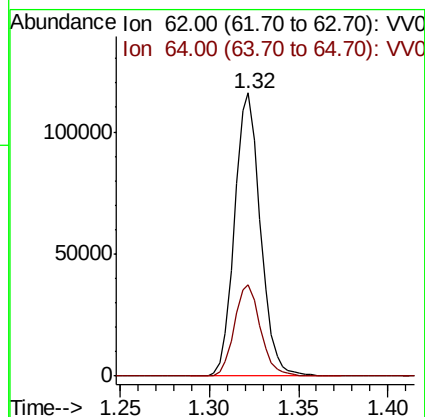
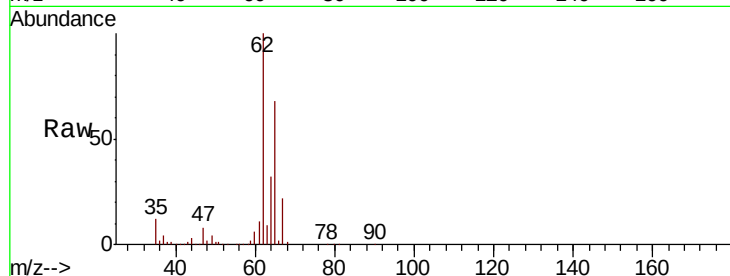
VSTD05069

Tot Ion: 62 Resp: 116604

Ion Ratio Lower Upper

62 100

64 32.4 22.3 41.5



#6

Bromomethane

Concen: 65.755 ug/L

RT: 1.53 min Scan# 138

Delta R.T. -0.00 min

Lab File: VV017018.D

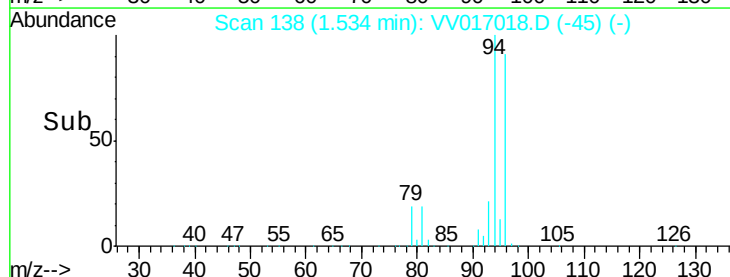
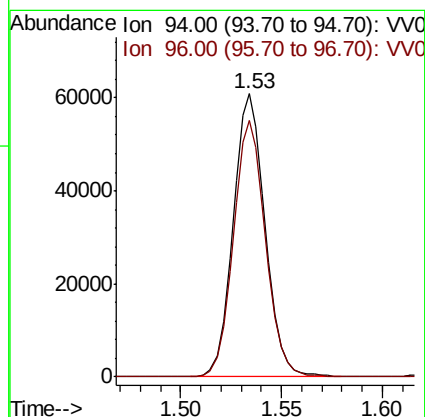
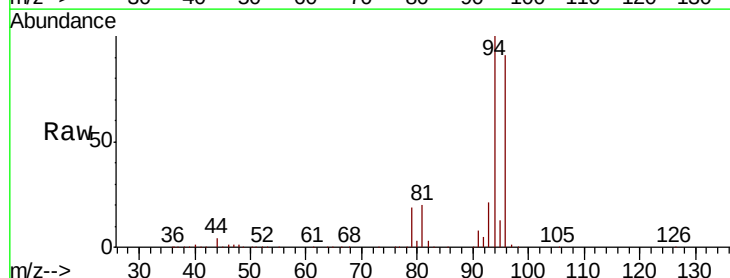
Acq: 22 Jun 2020 13:54

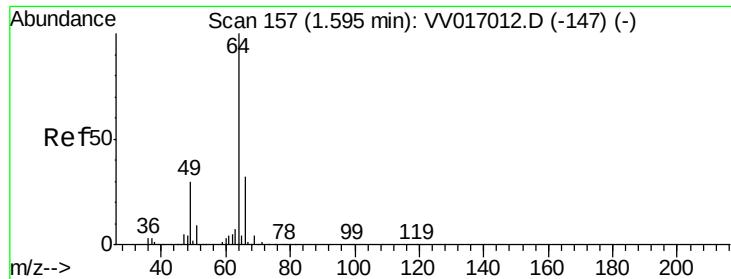
Tgt Ion: 94 Resp: 67267

Ion Ratio Lower Upper

94 100

96 90.6 64.5 119.9

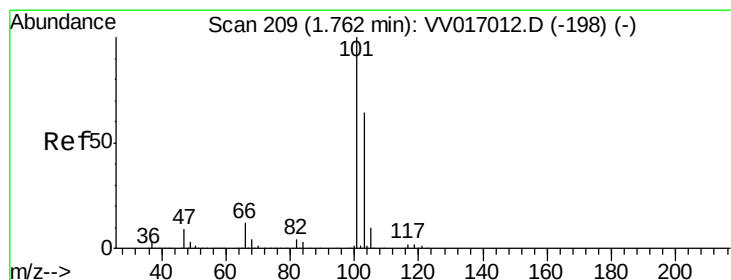
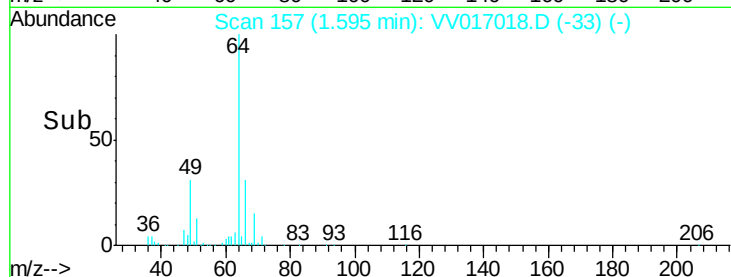
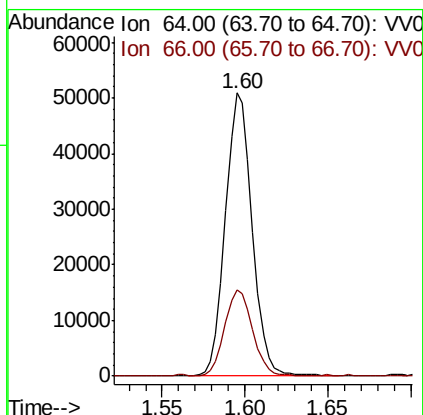
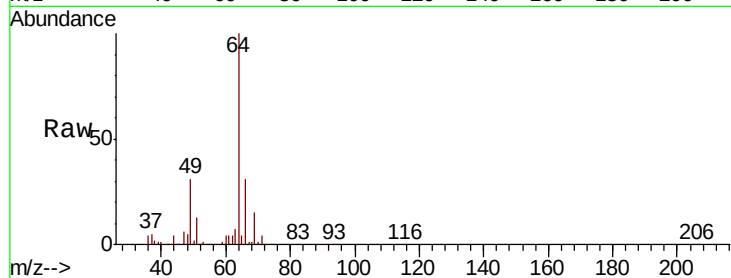




#8
Chloroethane
Concen: 47.215 ug/L
RT: 1.60 min Scan# 157
Delta R.T. -0.00 min
Lab File: VV017018.D
Acq: 22 Jun 2020 13:54

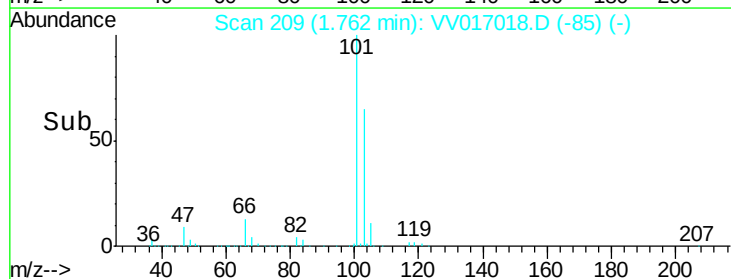
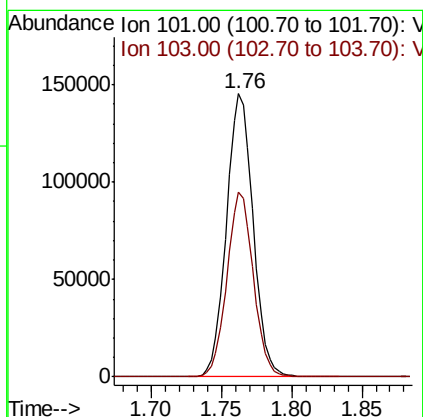
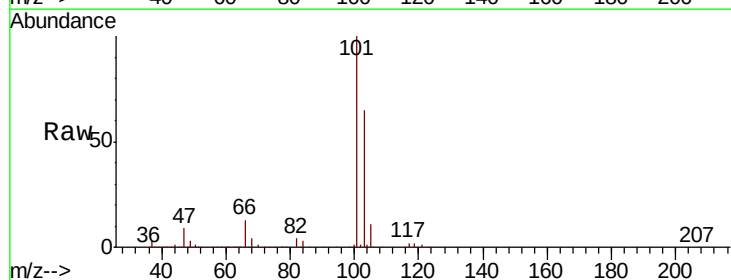
Instrument :
MSVOA_V
ClientSampleId :
VSTD05069

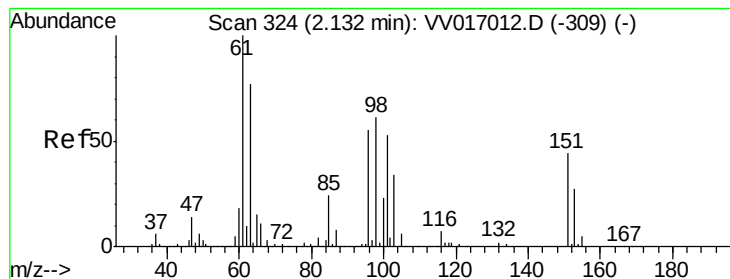
Tot Ion: 64 Resp: 57286
Ion Ratio Lower Upper
64 100
66 30.6 23.2 43.0



#9
Trichlorofluoromethane
Concen: 52.334 ug/L
RT: 1.76 min Scan# 209
Delta R.T. -0.00 min
Lab File: VV017018.D
Acq: 22 Jun 2020 13:54

Tgt Ion: 101 Resp: 192362
Ion Ratio Lower Upper
101 100
103 64.5 51.3 76.9





#10

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

Concen: 55.099 ug/L

RT: 2.13 min Scan# 324

Delta R.T. -0.00 min

Lab File: VV017018.D

Acq: 22 Jun 2020 13:54

Instrument :

MSVOA_V

ClientSampleId :

VSTD05069

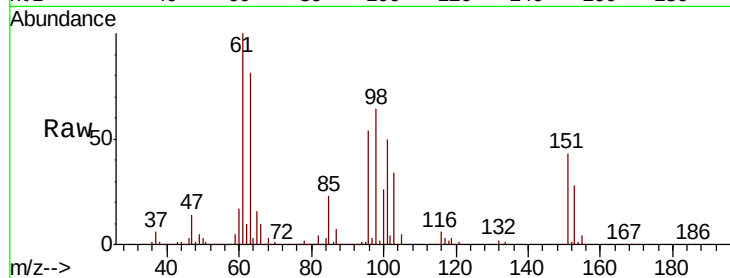
Tot Ion:101 Resp: 100920

Ion Ratio Lower Upper

101 100

85 44.8 35.5 53.3

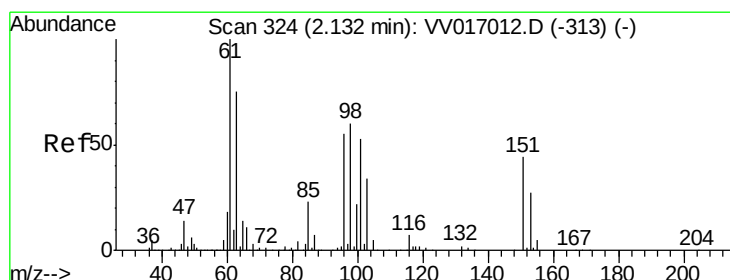
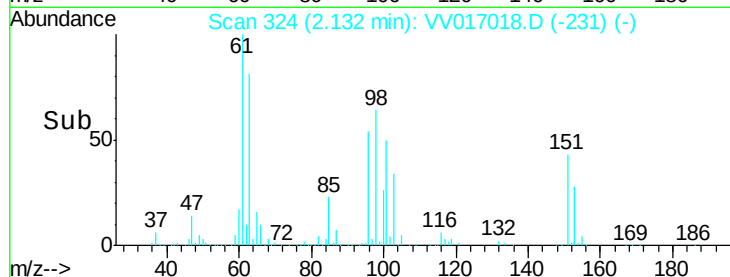
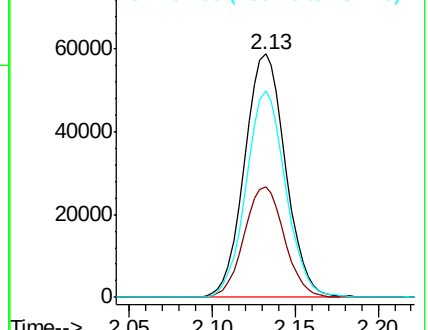
151 82.2 63.9 95.9



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VV0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 54.326 ug/L

RT: 2.13 min Scan# 324

Delta R.T. -0.00 min

Lab File: VV017018.D

Acq: 22 Jun 2020 13:54

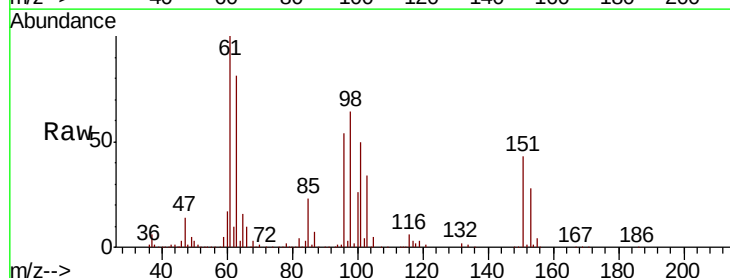
Tgt Ion: 96 Resp: 92890

Ion Ratio Lower Upper

96 100

61 184.3 130.4 242.2

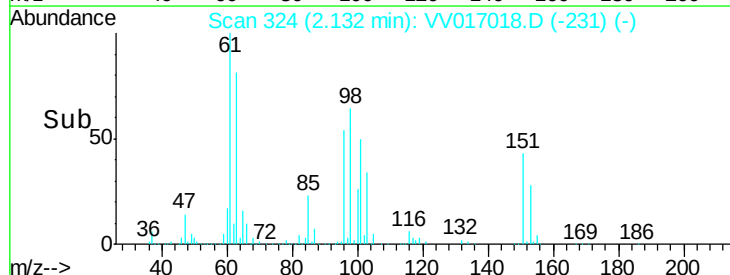
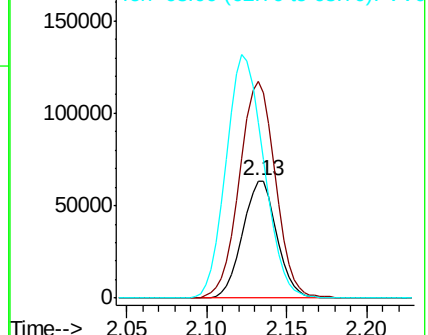
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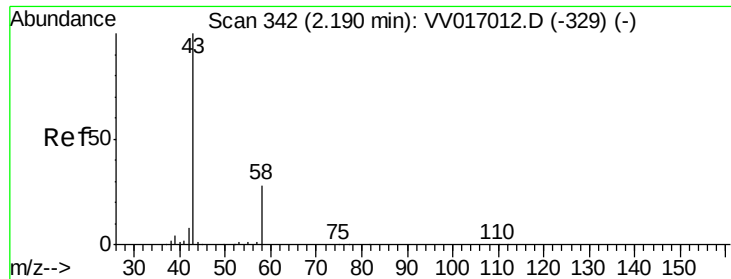


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.00 (60.70 to 61.70): VV0

Ion 63.00 (62.70 to 63.70): VV0





#13

Acetone

Concen: 126.937 ug/L

RT: 2.19 min Scan# 342

Delta R.T. -0.00 min

Lab File: VV017018.D

Acq: 22 Jun 2020 13:54

Instrument :

MSVOA_V

ClientSampleId :

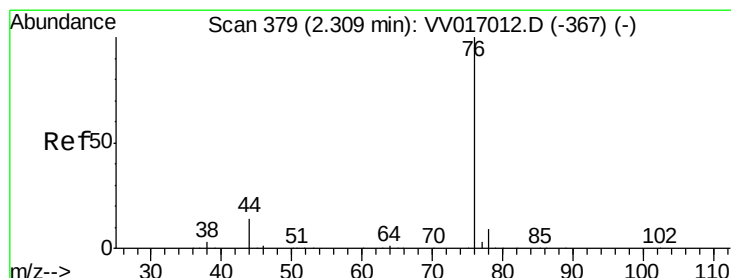
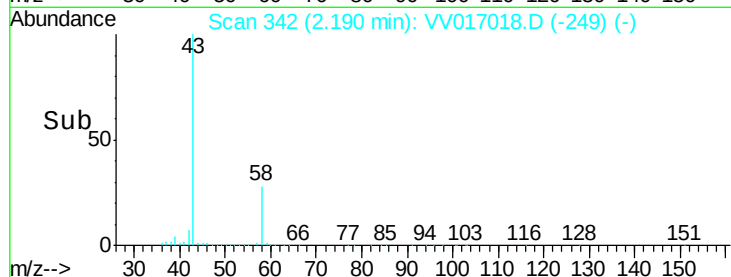
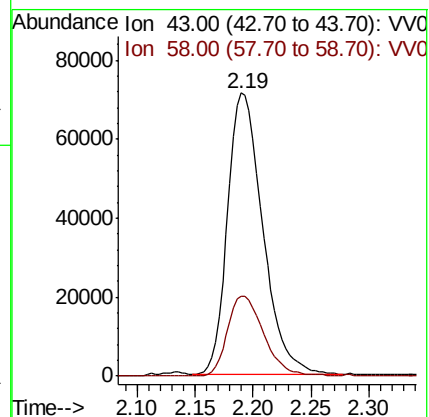
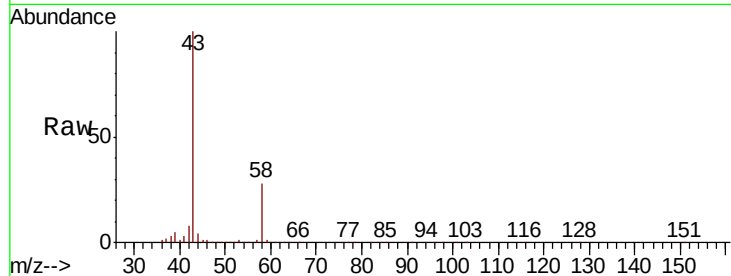
VSTD05069

Tot Ion: 43 Resp: 150476

Ion Ratio Lower Upper

43 100

58 29.2 0.0 55.2



#14

Carbon disulfide

Concen: 46.624 ug/L

RT: 2.31 min Scan# 380

Delta R.T. 0.00 min

Lab File: VV017018.D

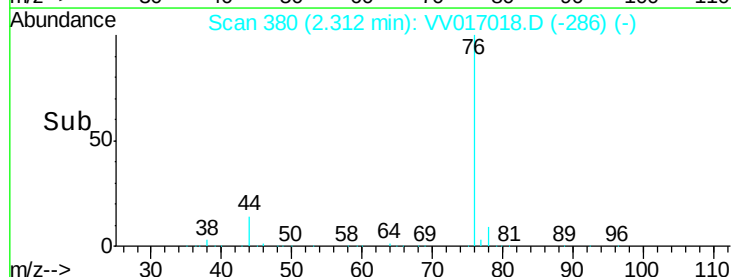
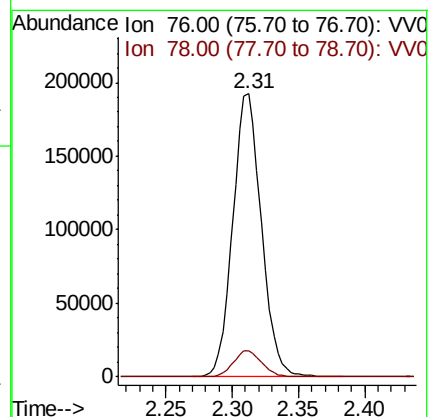
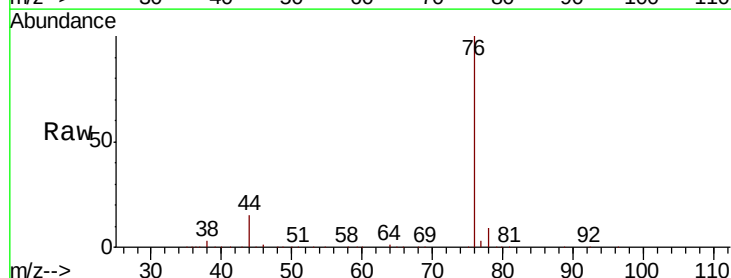
Acq: 22 Jun 2020 13:54

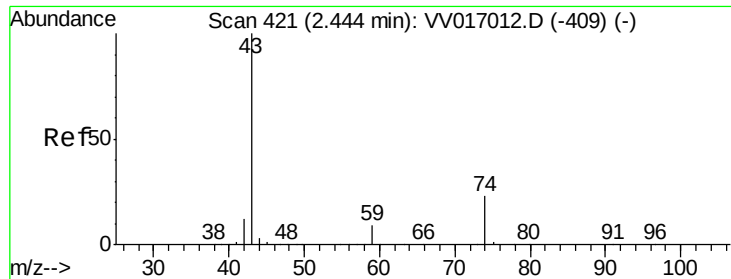
Tgt Ion: 76 Resp: 288640

Ion Ratio Lower Upper

76 100

78 9.4 7.4 11.0

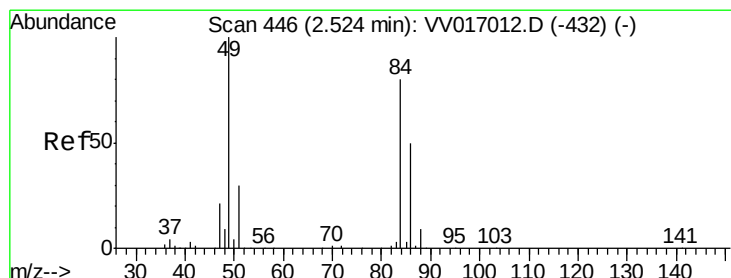
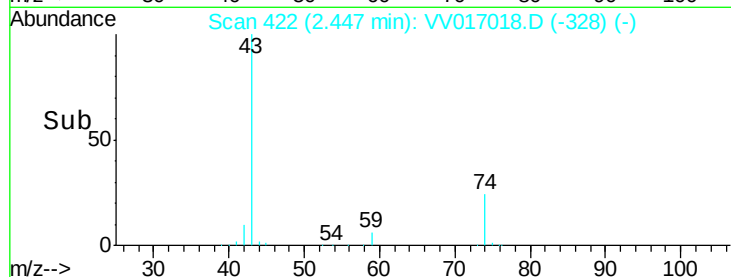
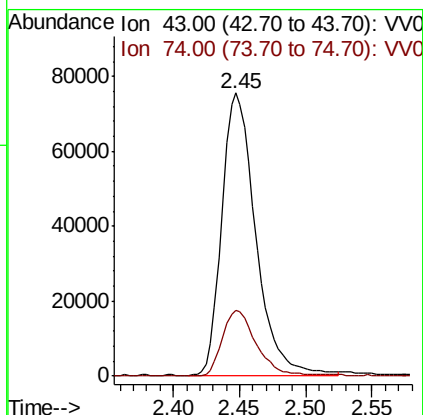
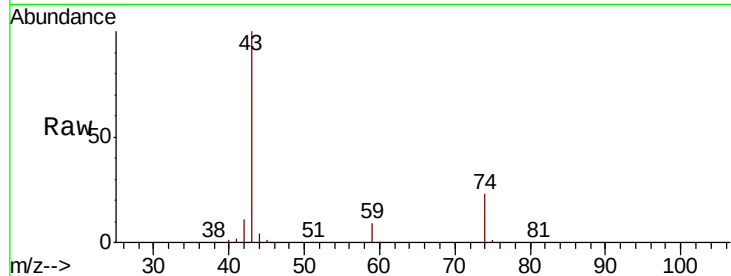




#15
Methvl Acetate
Concen: 50.504 ug/L
RT: 2.45 min Scan# 422
Delta R.T. 0.00 min
Lab File: VV017018.D
Acq: 22 Jun 2020 13:54

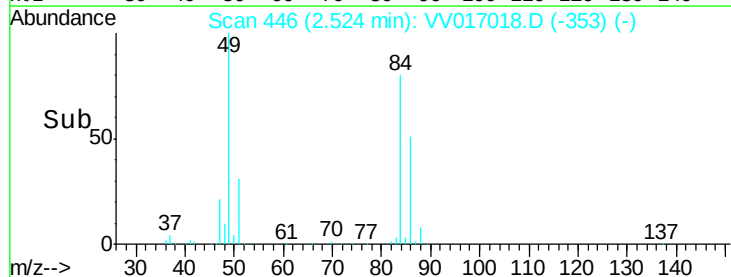
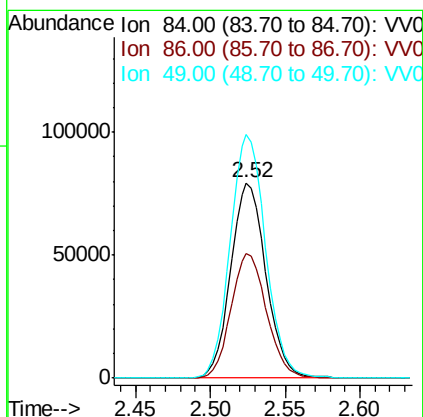
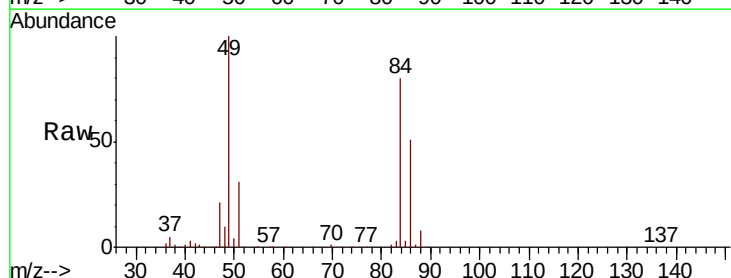
Instrument :
MSVOA_V
ClientSampleId :
VSTD05069

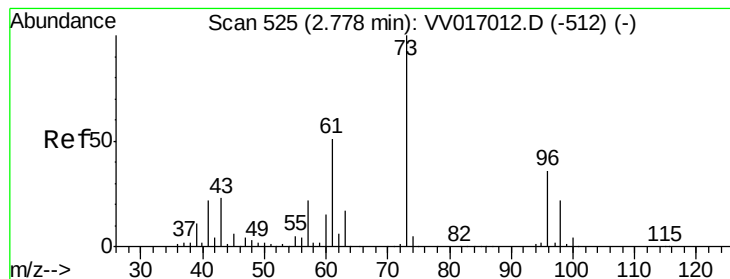
Tot Ion: 43 Resp: 133442
Ion Ratio Lower Upper
43 100
74 23.8 17.9 26.9



#16
Methylene chloride
Concen: 51.958 ug/L
RT: 2.52 min Scan# 446
Delta R.T. -0.00 min
Lab File: VV017018.D
Acq: 22 Jun 2020 13:54

Tgt Ion: 84 Resp: 130365
Ion Ratio Lower Upper
84 100
86 64.0 44.0 81.8
49 124.9 90.9 168.9





#17

trans-1,2-Dichloroethene

Concen: 49.585 ug/L

RT: 2.78 min Scan# 525

Delta R.T. -0.00 min

Lab File: VV017018.D

Acq: 22 Jun 2020 13:54

Instrument :

MSVOA_V

ClientSampleId :

VSTD05069

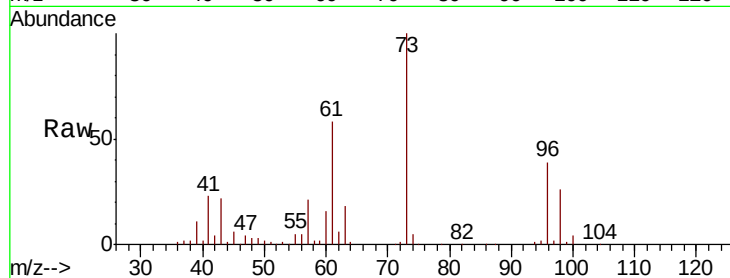
Tot Ion: 96 Resp: 115598

Ion Ratio Lower Upper

96 100

61 151.5 102.9 191.1

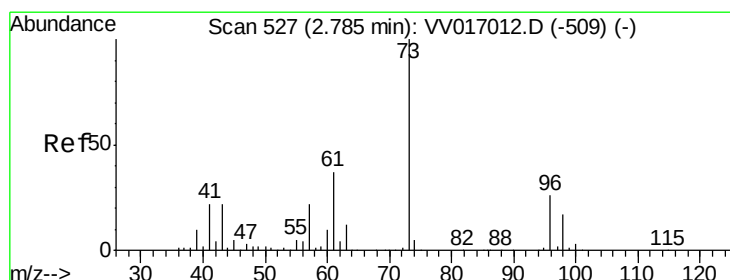
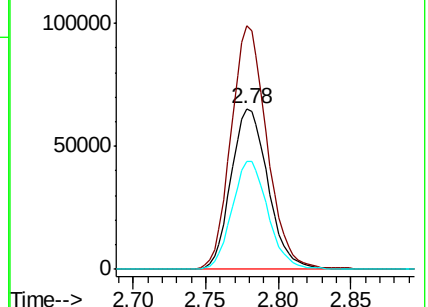
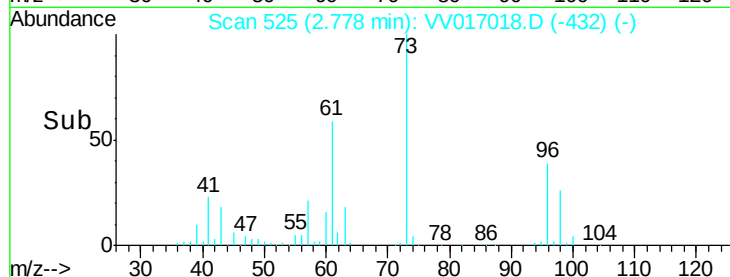
98 67.4 45.5 84.5



Abundance Ion 96.00 (95.70 to 96.70): VV017018.D (-432) (-)

Ion 61.00 (60.70 to 61.70): VV017018.D (-432) (-)

Ion 98.00 (97.70 to 98.70): VV017018.D (-432) (-)



#18

Methyl tert-butyl Ether

Concen: 54.158 ug/L

RT: 2.78 min Scan# 527

Delta R.T. -0.00 min

Lab File: VV017018.D

Acq: 22 Jun 2020 13:54

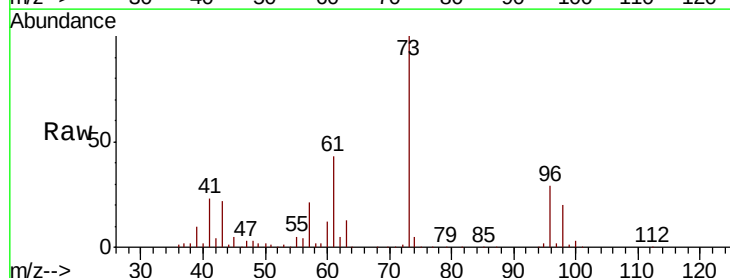
Tgt Ion: 73 Resp: 418356

Ion Ratio Lower Upper

73 100

43 22.0 17.8 26.6

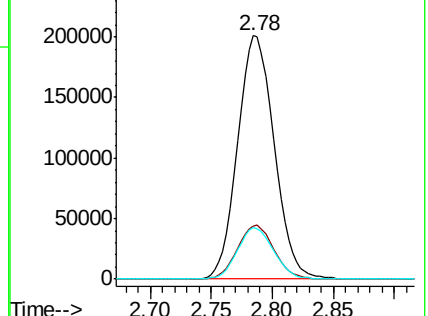
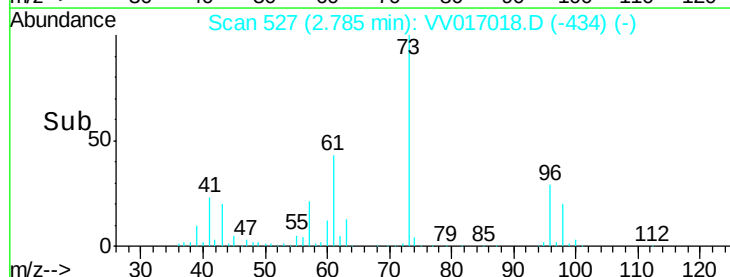
57 21.0 17.7 26.5

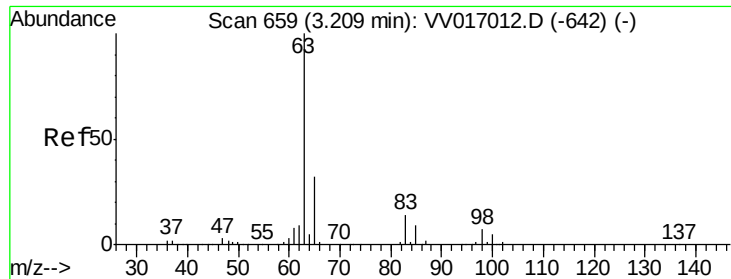


Abundance Ion 73.00 (72.70 to 73.70): VV017018.D (-434) (-)

Ion 43.00 (42.70 to 43.70): VV017018.D (-434) (-)

Ion 57.00 (56.70 to 57.70): VV017018.D (-434) (-)

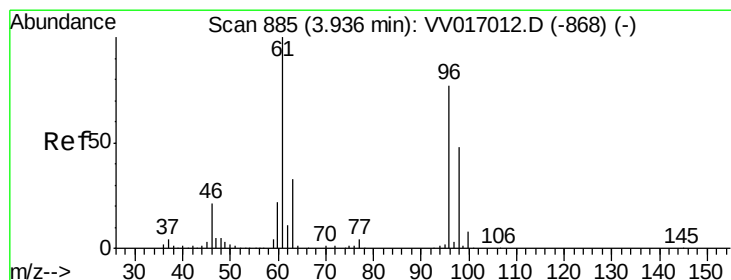
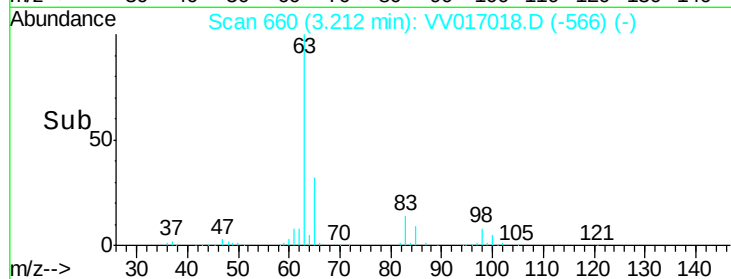
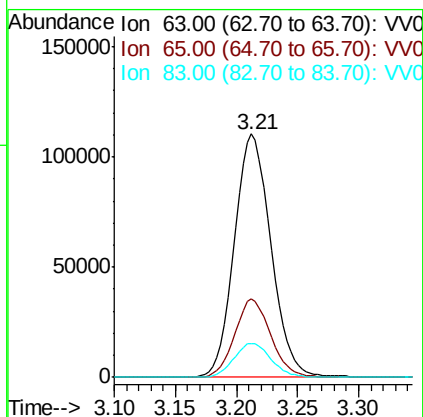
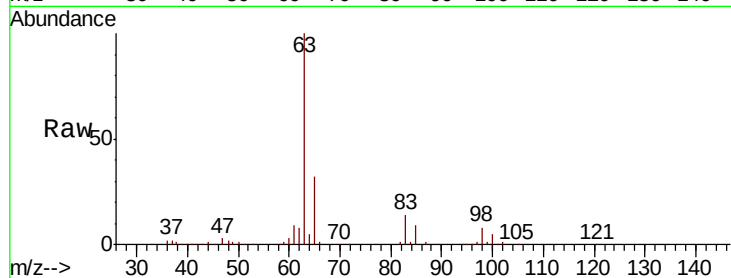




#19
 1,1-Dichloroethane
 Concen: 52.253 ug/L
 RT: 3.21 min Scan# 660
 Delta R.T. 0.00 min
 Lab File: VV017018.D
 Acq: 22 Jun 2020 13:54

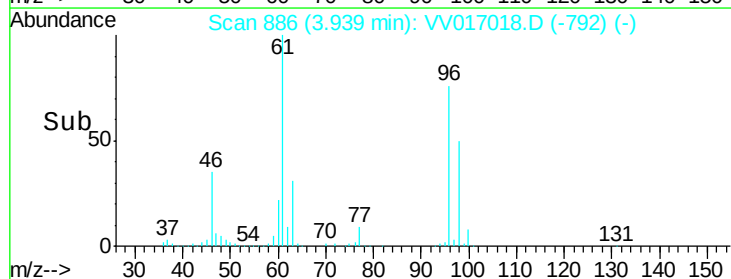
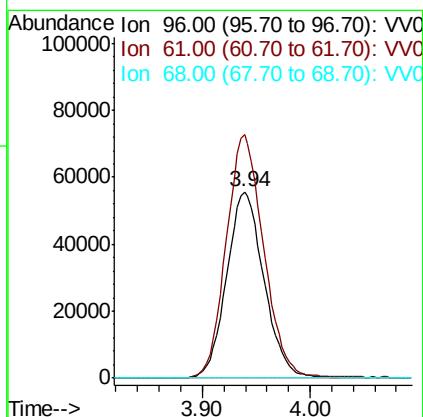
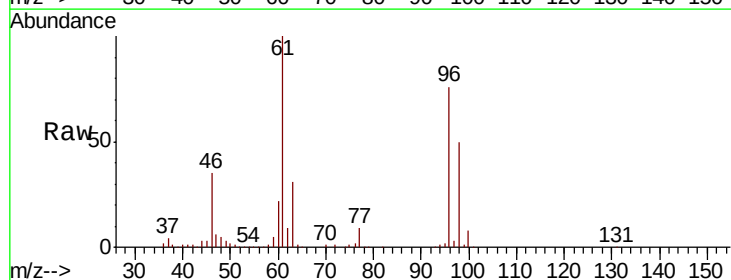
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05069

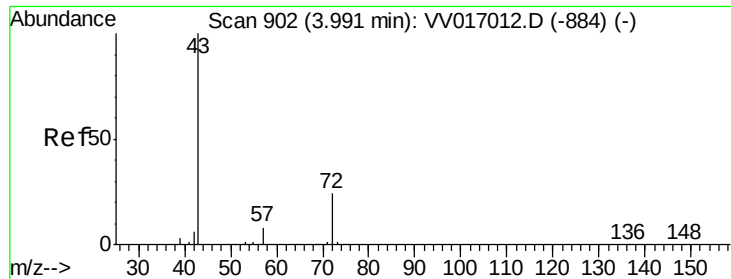
Tot Ion	Ratio	Lower	Upper
63	100		
65	32.3	23.2	43.0
83	14.0	10.0	18.6



#20
 cis-1,2-Dichloroethene
 Concen: 52.693 ug/L
 RT: 3.94 min Scan# 886
 Delta R.T. 0.00 min
 Lab File: VV017018.D
 Acq: 22 Jun 2020 13:54

Tgt Ion	Ratio	Lower	Upper
96	100		
61	130.8	93.4	173.4
68	0.0	0.0	0.0





#22

2-Butanone

Concen: 109.881 ug/L

RT: 3.99 min Scan# 903

Delta R.T. 0.00 min

Lab File: VV017018.D

Acq: 22 Jun 2020 13:54

Instrument :

MSVOA_V

ClientSampleId :

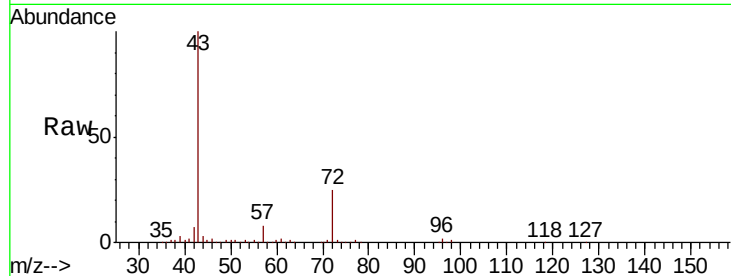
VSTD05069

Tot Ion: 43 Resp: 200867

Ion Ratio Lower Upper

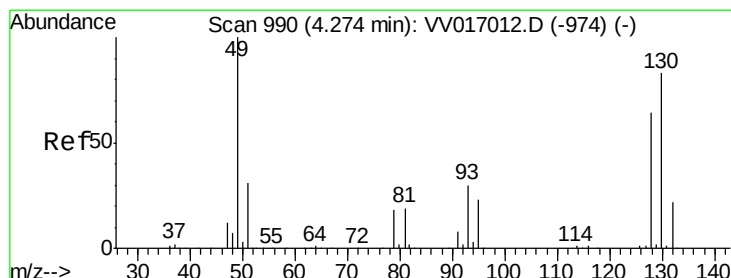
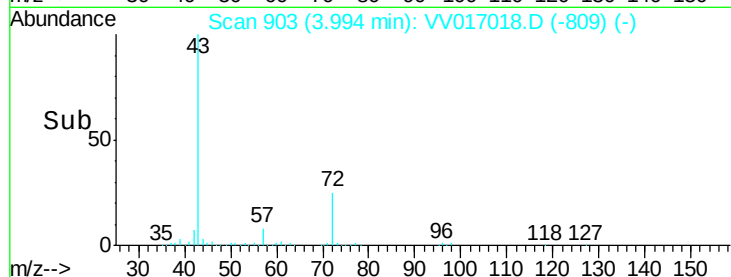
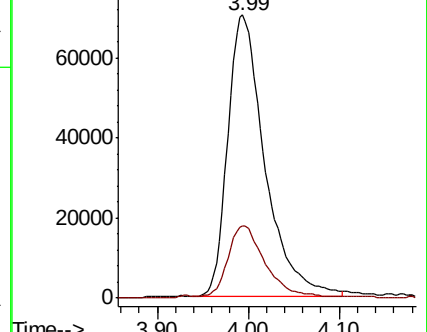
43 100

72 24.6 12.4 37.4



Abundance Ion 43.00 (42.70 to 43.70): VV017018.D (-899) (-)

Ion 72.00 (71.70 to 72.70): VV017018.D (-899) (-)



#23

Bromochloromethane

Concen: 53.586 ug/L

RT: 4.28 min Scan# 991

Delta R.T. 0.00 min

Lab File: VV017018.D

Acq: 22 Jun 2020 13:54

Tgt Ion: 128 Resp: 71744

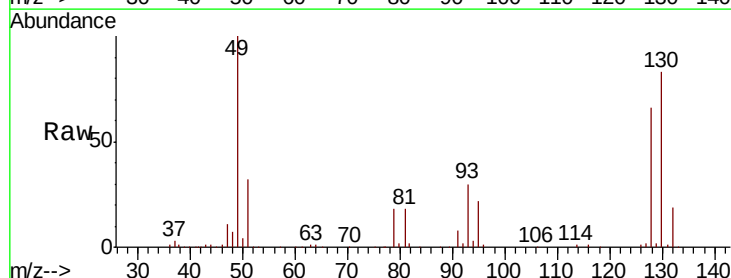
Ion Ratio Lower Upper

128 100

49 152.2 111.9 207.9

130 126.1 91.5 169.9

51 48.4 42.1 63.1

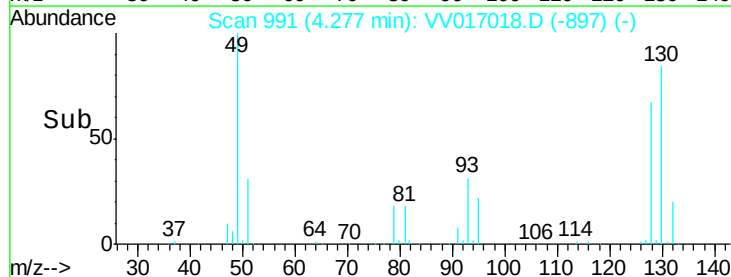
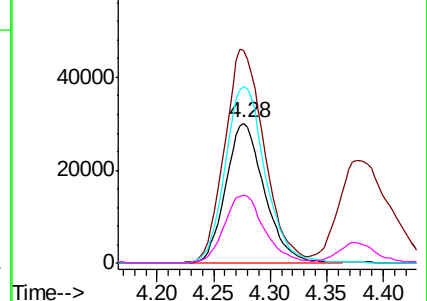


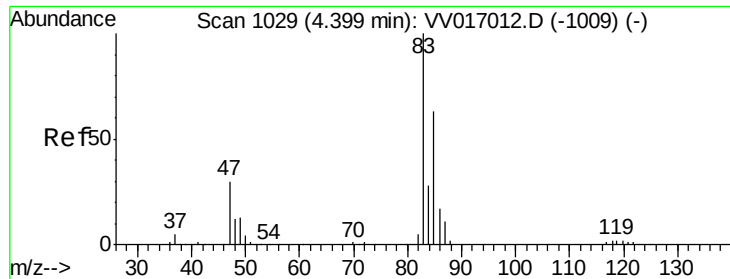
Abundance Ion 128.00 (127.70 to 128.70): VV017018.D (-897) (-)

Ion 49.00 (48.70 to 49.70): VV017018.D (-897) (-)

Ion 130.00 (129.70 to 130.70): VV017018.D (-897) (-)

Ion 51.00 (50.70 to 51.70): VV017018.D (-897) (-)

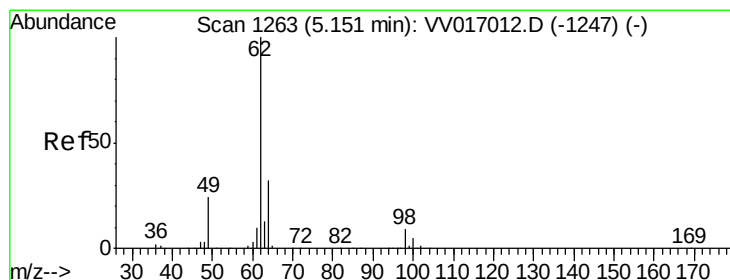
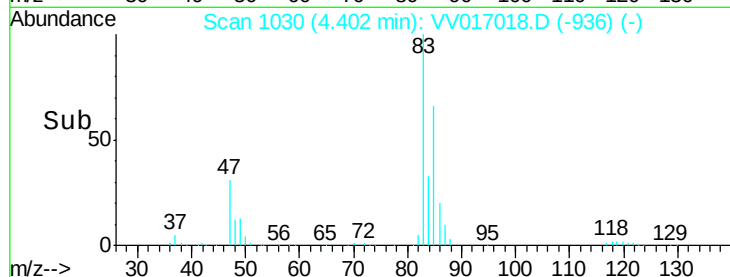
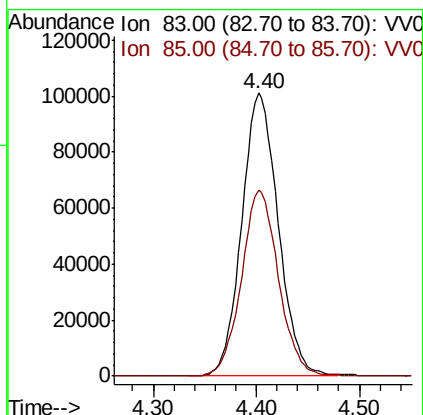
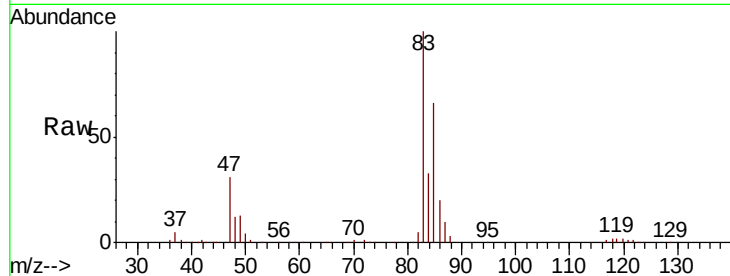




#25
Chloroform
Concen: 55.132 ug/L
RT: 4.40 min Scan# 1030
Delta R.T. 0.00 min
Lab File: VV017018.D
Acq: 22 Jun 2020 13:54

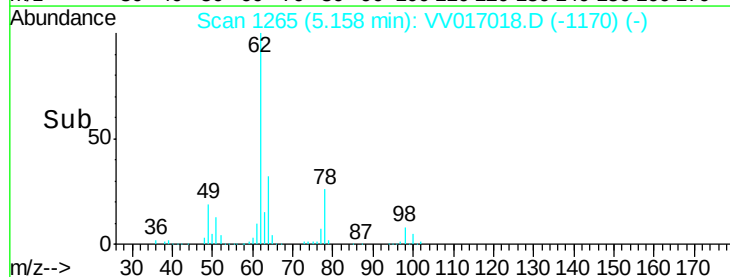
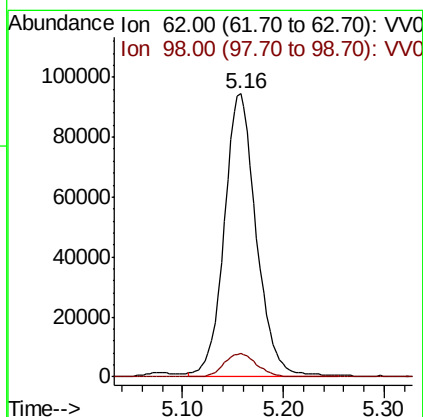
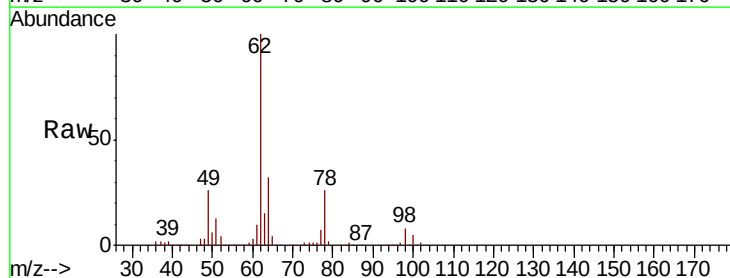
Instrument :
MSVOA_V
ClientSampleId :
VSTD05069

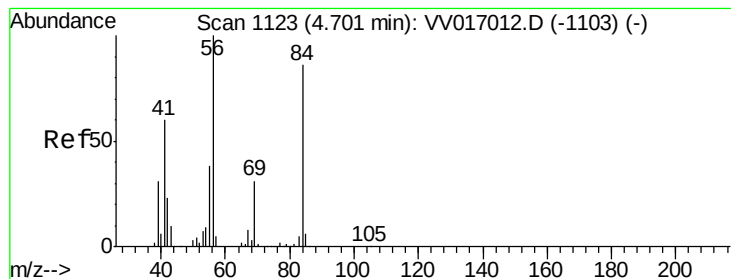
Tot Ion: 83 Resp: 248640
Ion Ratio Lower Upper
83 100
85 65.8 44.1 81.9



#27
1,2-Dichloroethane
Concen: 55.472 ug/L
RT: 5.16 min Scan# 1265
Delta R.T. 0.01 min
Lab File: VV017018.D
Acq: 22 Jun 2020 13:54

Tgt Ion: 62 Resp: 209715
Ion Ratio Lower Upper
62 100
98 8.2 7.4 11.2





#29

Cyclohexane

Concen: 47.615 ug/L

RT: 4.70 min Scan# 1124

Delta R.T. 0.00 min

Lab File: VV017018.D

Acq: 22 Jun 2020 13:54

Instrument :

MSVOA_V

ClientSampleId :

VSTD05069

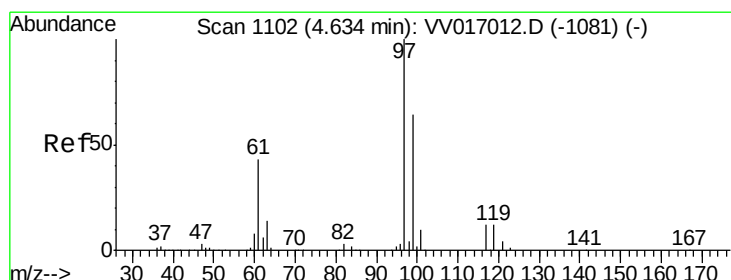
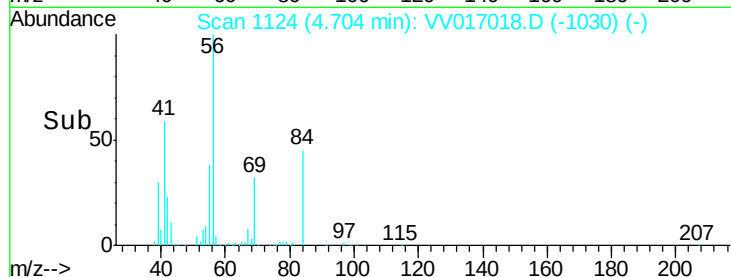
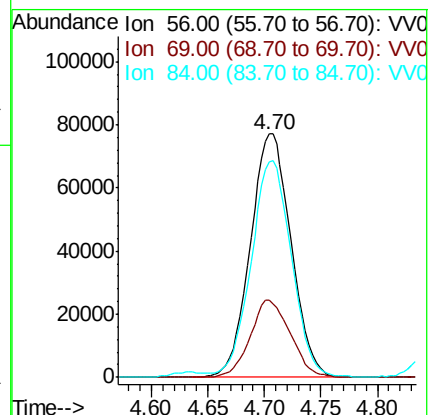
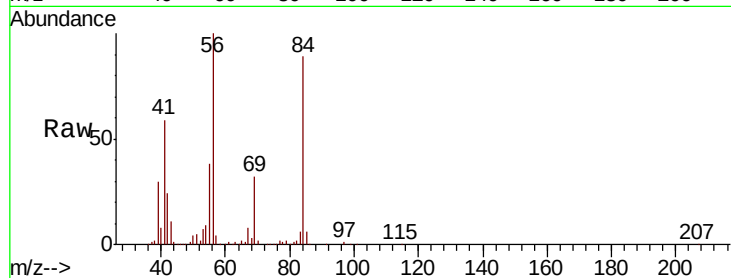
Tot Ion: 56 Resp: 192678

Ion Ratio Lower Upper

56 100

69 31.2 25.0 37.4

84 88.1 69.5 104.3



#30

1,1,1-Trichloroethane

Concen: 54.981 ug/L

RT: 4.64 min Scan# 1103

Delta R.T. 0.00 min

Lab File: VV017018.D

Acq: 22 Jun 2020 13:54

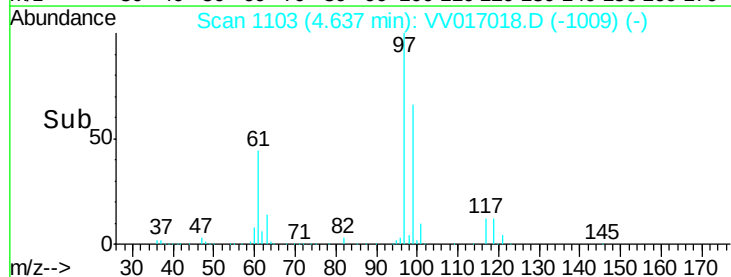
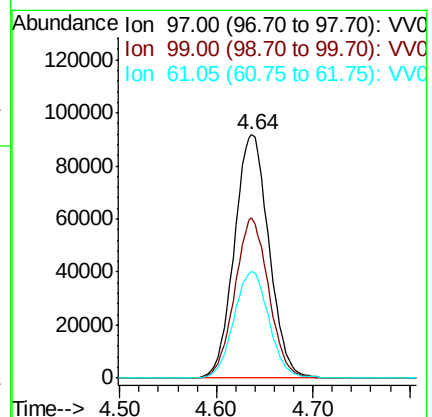
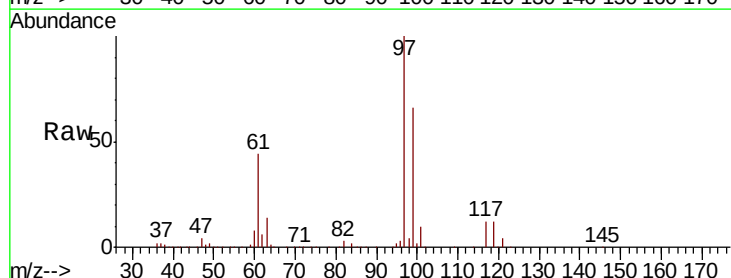
Tgt Ion: 97 Resp: 228327

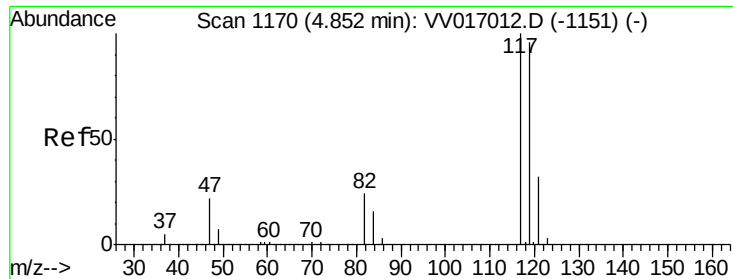
Ion Ratio Lower Upper

97 100

99 64.5 51.3 76.9

61 44.2 36.7 55.1

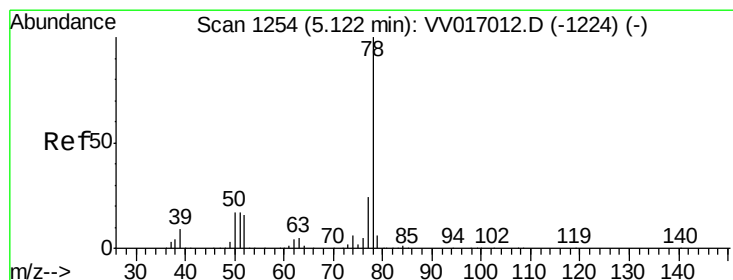
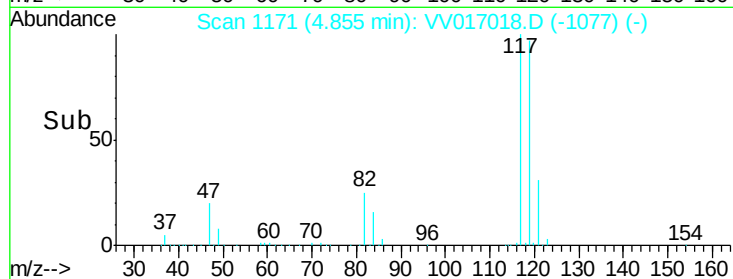
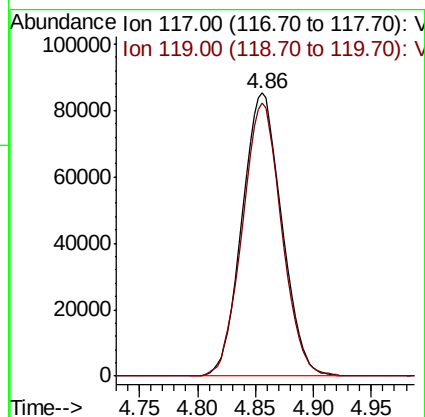
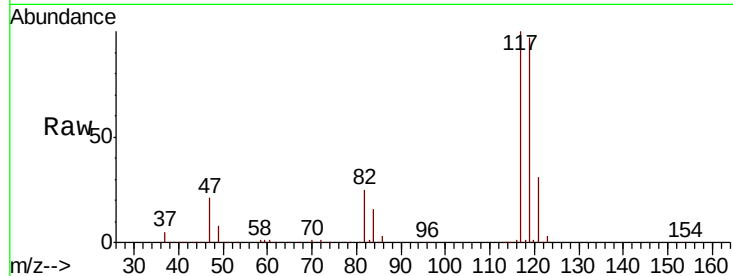




#31
Carbon tetrachloride
Concen: 56.526 ug/L
RT: 4.86 min Scan# 1171
Delta R.T. 0.00 min
Lab File: VV017018.D
Acq: 22 Jun 2020 13:54

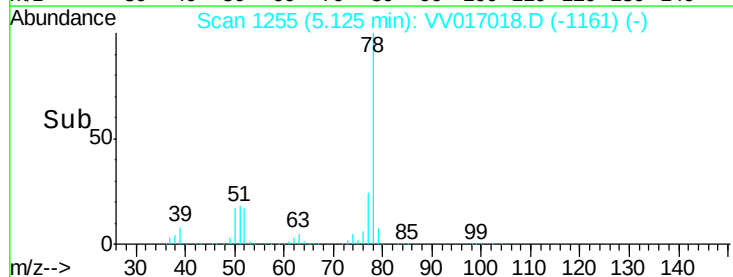
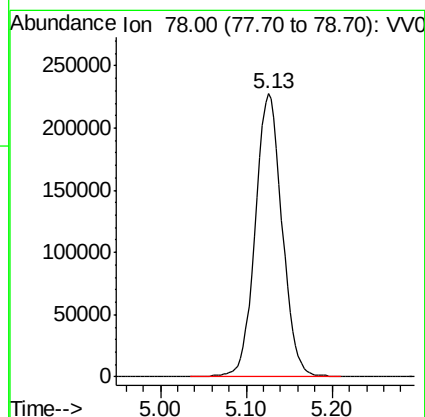
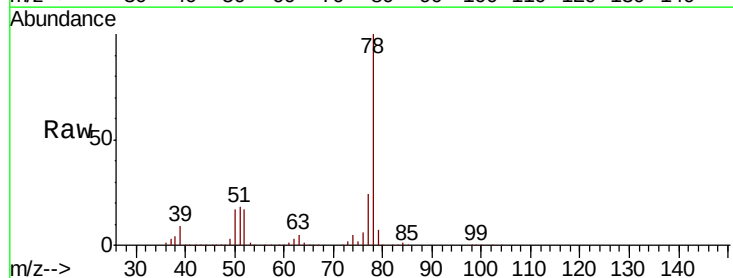
Instrument :
MSVOA_V
ClientSampleId :
VSTD05069

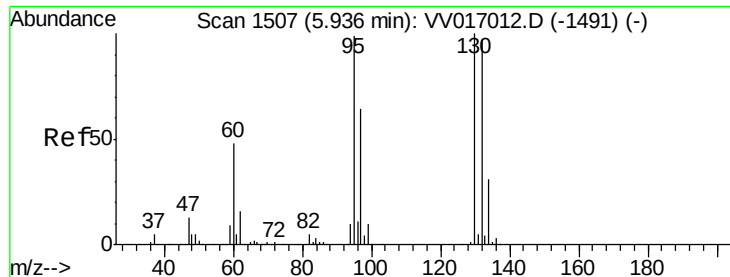
Tot Ion:117 Resp: 203077
Ion Ratio Lower Upper
117 100
119 95.5 77.4 116.2



#33
Benzene
Concen: 51.437 ug/L
RT: 5.13 min Scan# 1255
Delta R.T. 0.00 min
Lab File: VV017018.D
Acq: 22 Jun 2020 13:54

Tgt Ion: 78 Resp: 495578





#34

Trichloroethene

Concen: 53.954 ug/L

RT: 5.94 min Scan# 1508

Delta R.T. 0.00 min

Lab File: VV017018.D

Acq: 22 Jun 2020 13:54

Instrument :

MSVOA_V

ClientSampleId :

VSTD05069

Tot Ion: 95 Resp: 139418

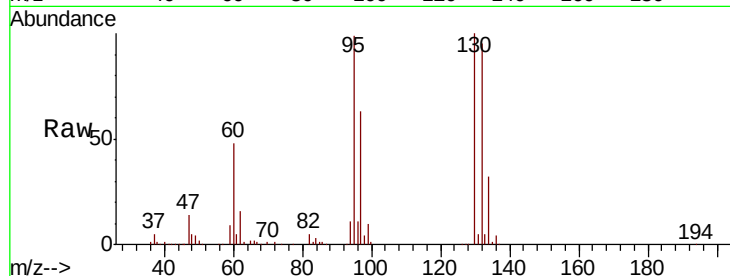
Ion Ratio Lower Upper

95 100

97 63.3 44.3 82.3

132 96.3 67.9 126.1

130 101.0 72.2 134.2

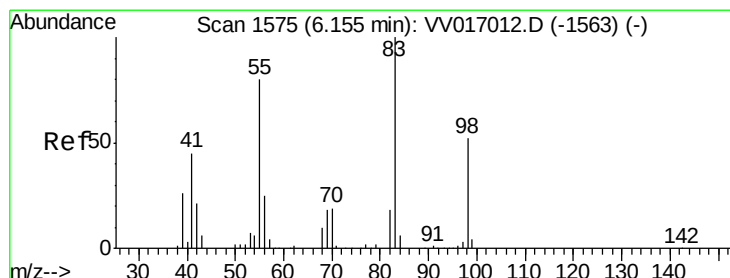
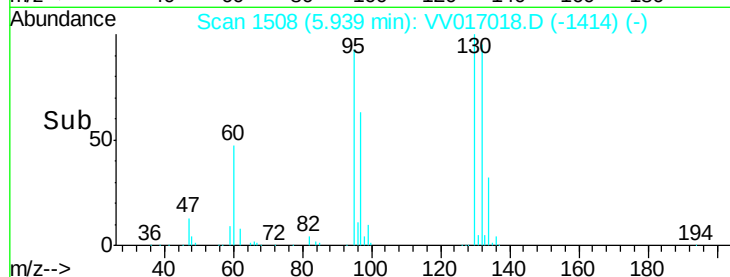
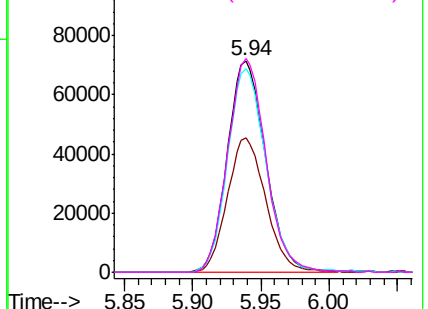


Abundance Ion 95.00 (94.70 to 95.70): VV0

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: 49.099 ug/L

RT: 6.15 min Scan# 1575

Delta R.T. -0.00 min

Lab File: VV017018.D

Acq: 22 Jun 2020 13:54

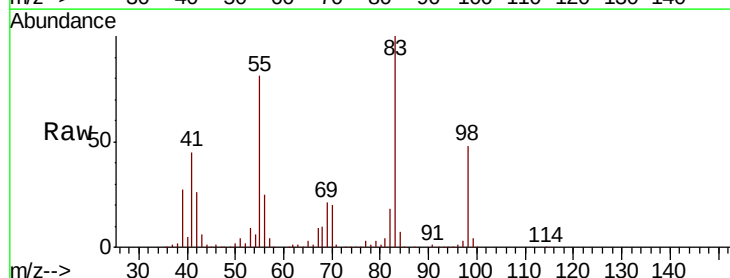
Tgt Ion: 83 Resp: 199036

Ion Ratio Lower Upper

83 100

55 78.9 64.2 96.2

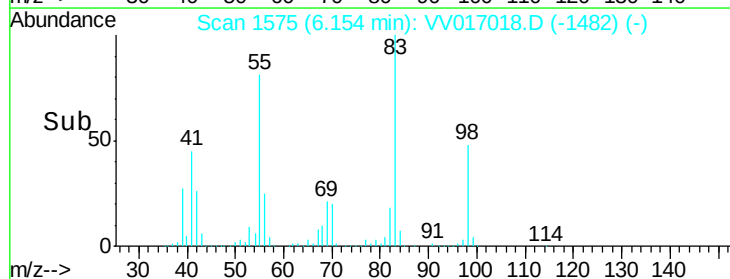
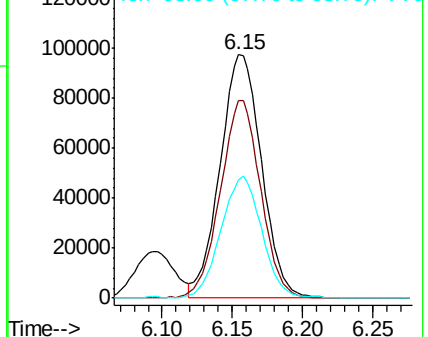
98 49.1 40.3 60.5

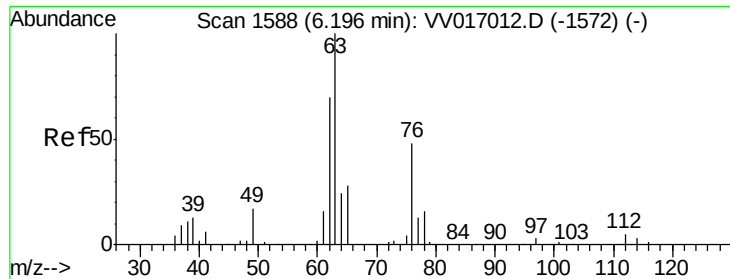


Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 55.00 (54.70 to 55.70): VV0

Ion 98.00 (97.70 to 98.70): VV0

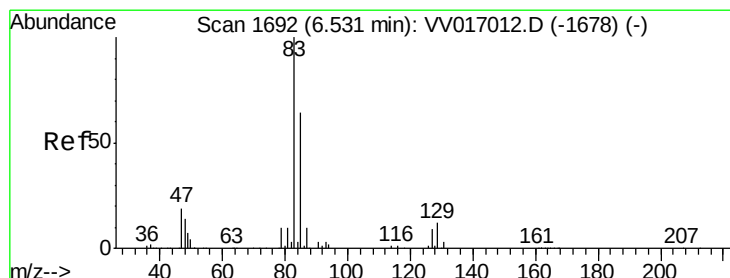
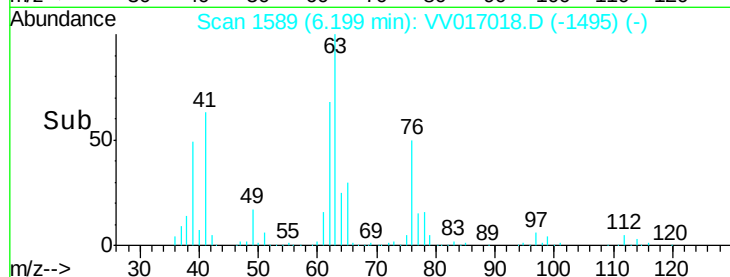
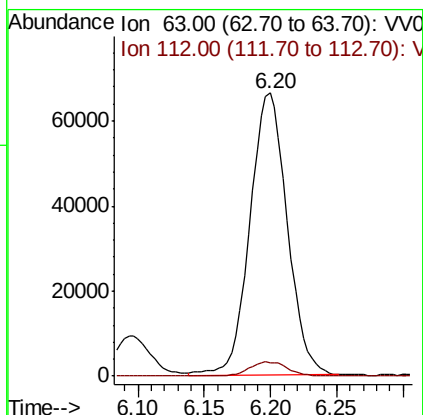
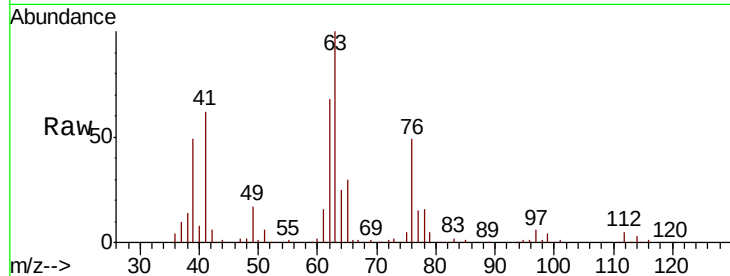




#37
 1,2-Dichloropropane
 Concen: 51.505 ug/L
 RT: 6.20 min Scan# 1589
 Delta R.T. 0.00 min
 Lab File: VV017018.D
 Acq: 22 Jun 2020 13:54

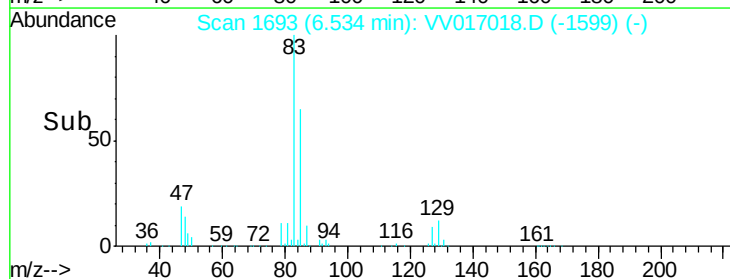
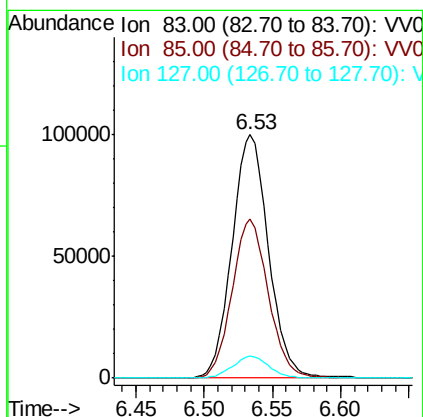
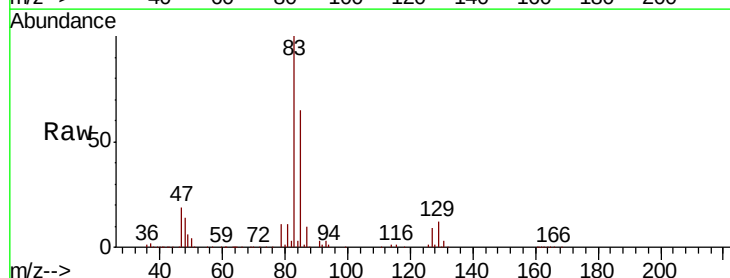
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05069

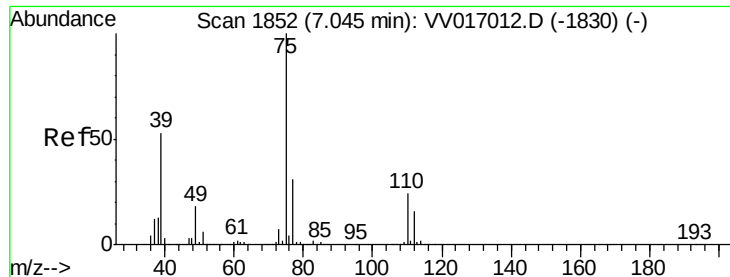
Tot Ion: 63 Resp: 129051
 Ion Ratio Lower Upper
 63 100
 112 5.3 3.8 5.6



#38
 Bromodichloromethane
 Concen: 55.479 ug/L
 RT: 6.53 min Scan# 1693
 Delta R.T. 0.00 min
 Lab File: VV017018.D
 Acq: 22 Jun 2020 13:54

Tgt Ion: 83 Resp: 185045
 Ion Ratio Lower Upper
 83 100
 85 65.2 44.4 82.5
 127 9.0 7.4 11.0

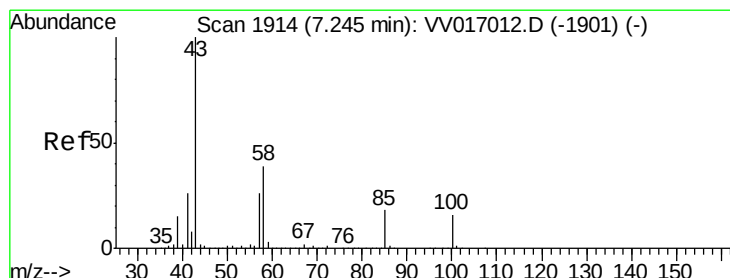
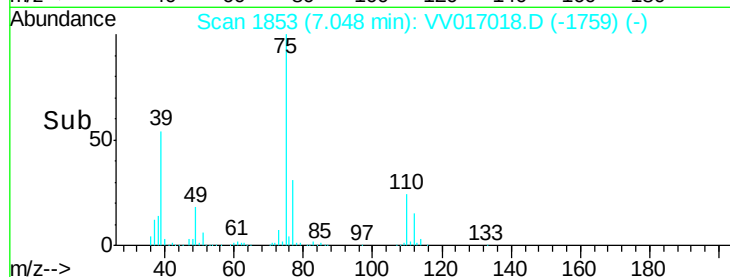
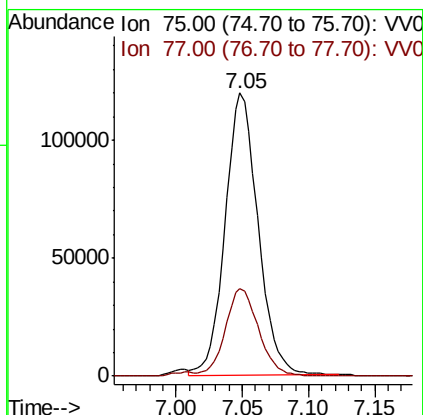
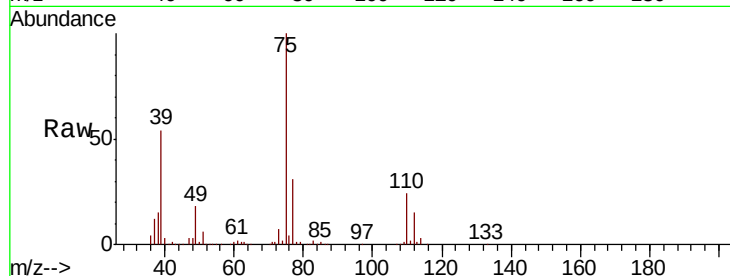




#39
 cis-1,3-Dichloropropene
 Concen: 53.226 ug/L
 RT: 7.05 min Scan# 1853
 Delta R.T. 0.00 min
 Lab File: VV017018.D
 Acq: 22 Jun 2020 13:54

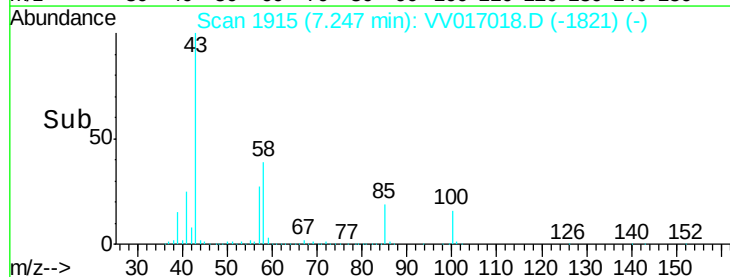
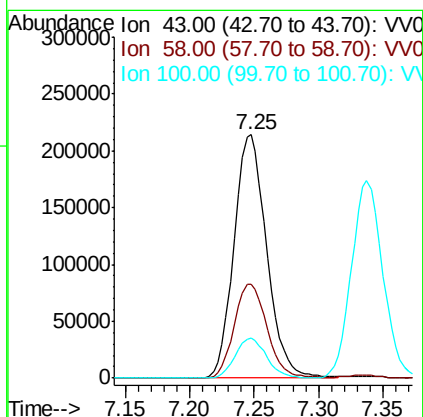
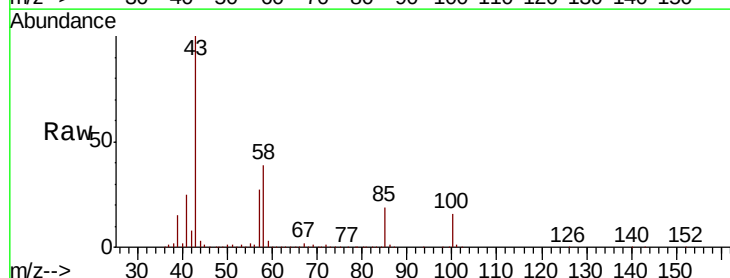
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05069

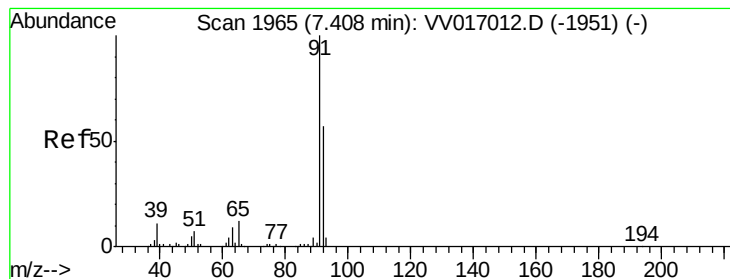
Tot Ion: 75 Resp: 207158
 Ion Ratio Lower Upper
 75 100
 77 31.1 22.7 42.1



#40
 4-Methyl-2-pentanone
 Concen: 105.959 ug/L
 RT: 7.25 min Scan# 1915
 Delta R.T. 0.00 min
 Lab File: VV017018.D
 Acq: 22 Jun 2020 13:54

Tgt Ion: 43 Resp: 376206
 Ion Ratio Lower Upper
 43 100
 58 39.0 30.2 45.4
 100 15.9 12.3 18.5





#42

Toluene

Concen: 53.185 ug/L

RT: 7.41 min Scan# 1965

Delta R.T. -0.00 min

Lab File: VV017018.D

Acq: 22 Jun 2020 13:54

Instrument :

MSVOA_V

ClientSampleId :

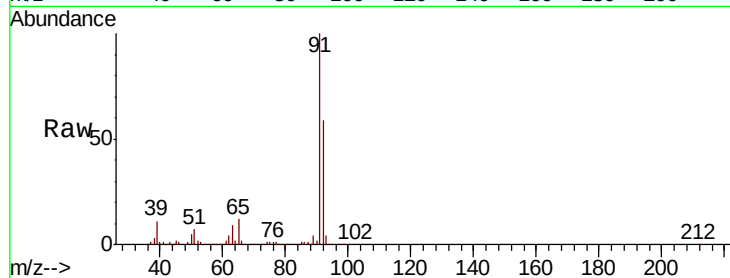
VSTD05069

Tot Ion: 91 Resp: 540193

Ion Ratio Lower Upper

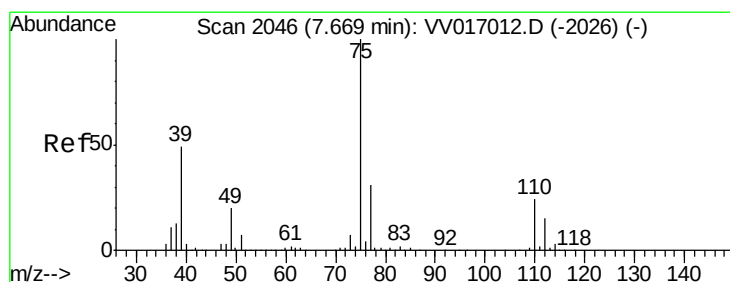
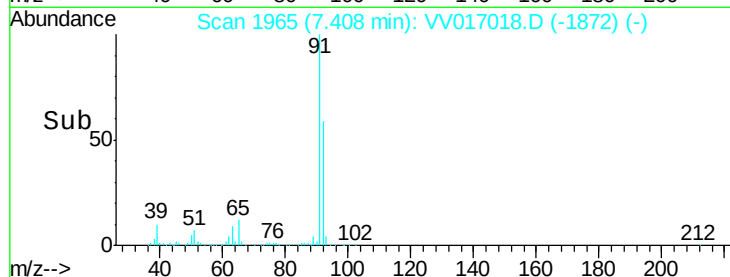
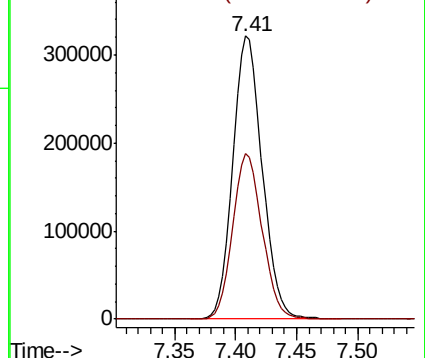
91 100

92 58.6 40.4 75.0



Abundance Ion 91.00 (90.70 to 91.70): VV0

Ion 92.00 (91.70 to 92.70): VV0



#44

trans-1,3-Dichloropropene

Concen: 56.235 ug/L

RT: 7.67 min Scan# 2047

Delta R.T. 0.00 min

Lab File: VV017018.D

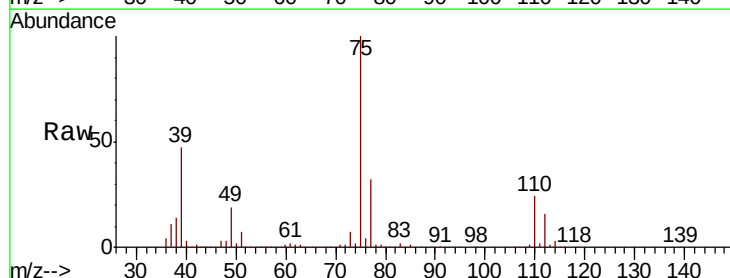
Acq: 22 Jun 2020 13:54

Tgt Ion: 75 Resp: 212785

Ion Ratio Lower Upper

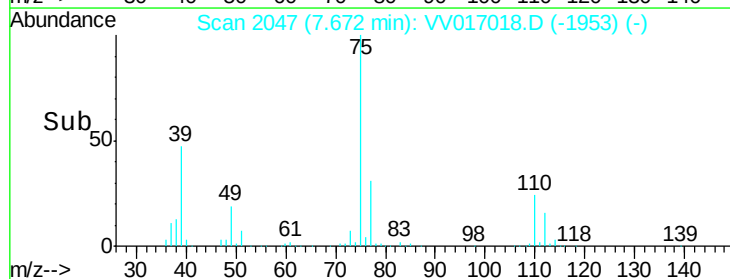
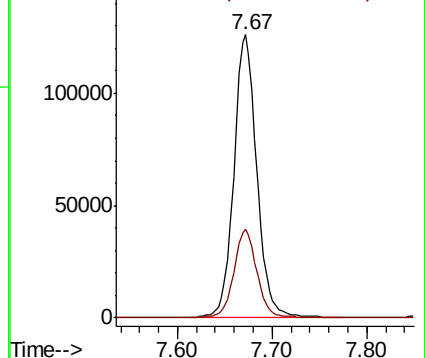
75 100

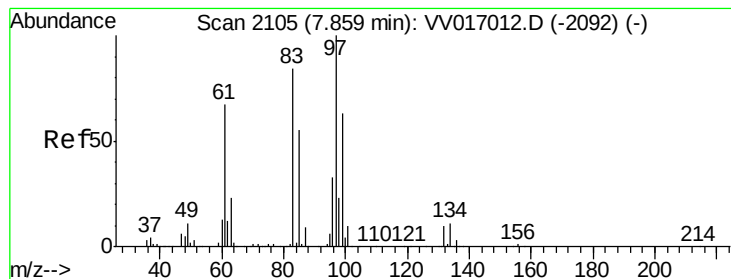
77 31.5 21.7 40.3



Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 77.00 (76.70 to 77.70): VV0





#45

1,1,2-Trichloroethane

Concen: 53.934 ug/L

RT: 7.86 min Scan# 2105

Delta R.T. -0.00 min

Lab File: VV017018.D

Acq: 22 Jun 2020 13:54

Instrument :

MSVOA_V

ClientSampleId :

VSTD05069

Tot Ion: 97 Resp: 130376

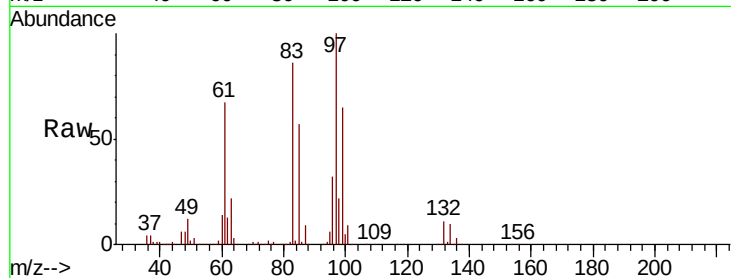
Ion Ratio Lower Upper

97 100

99 65.2 44.3 82.3

83 86.5 60.0 111.4

85 56.7 39.5 73.3



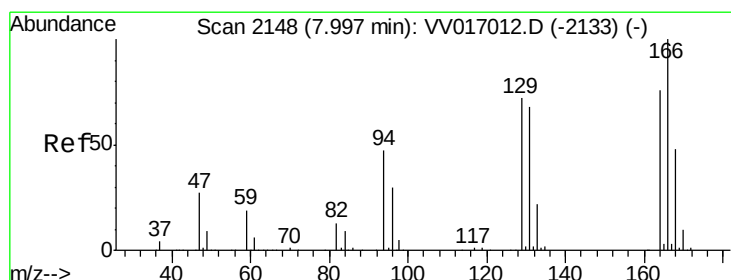
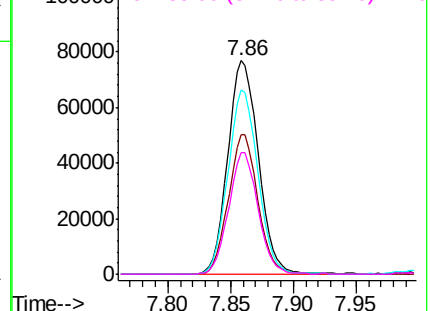
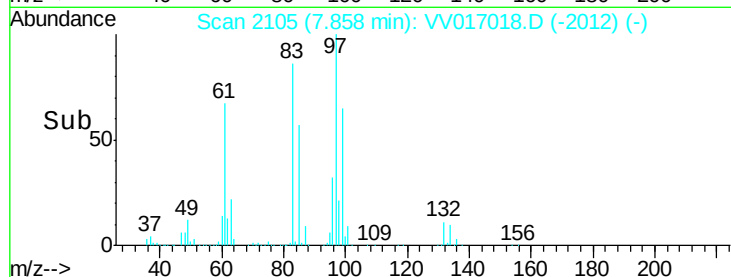
Abundance

Ion 97.00 (96.70 to 97.70): VV017018.D (-2092) (-)

Ion 99.00 (98.70 to 99.70): VV017018.D (-2092) (-)

Ion 83.00 (82.70 to 83.70): VV017018.D (-2092) (-)

Ion 85.00 (84.70 to 85.70): VV017018.D (-2092) (-)



#46

Tetrachloroethene

Concen: 54.277 ug/L

RT: 8.00 min Scan# 2148

Delta R.T. -0.00 min

Lab File: VV017018.D

Acq: 22 Jun 2020 13:54

Tgt Ion: 164 Resp: 110305

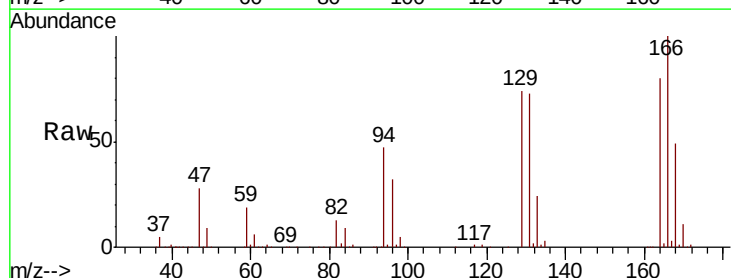
Ion Ratio Lower Upper

164 100

129 92.0 67.0 124.4

131 90.5 64.8 120.3

166 124.7 90.4 167.8



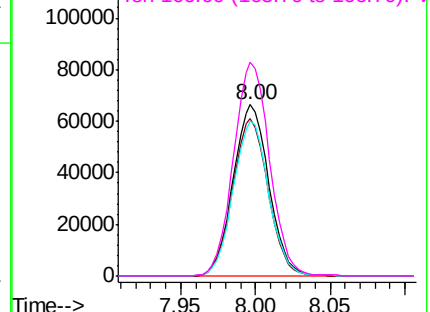
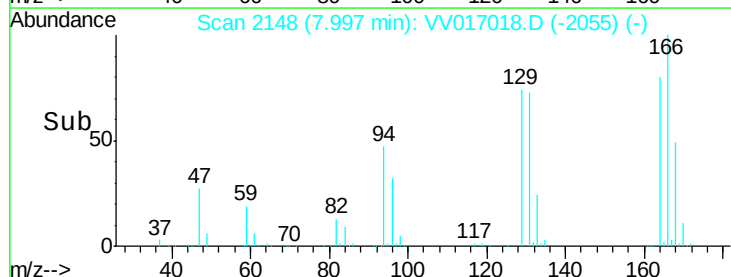
Abundance

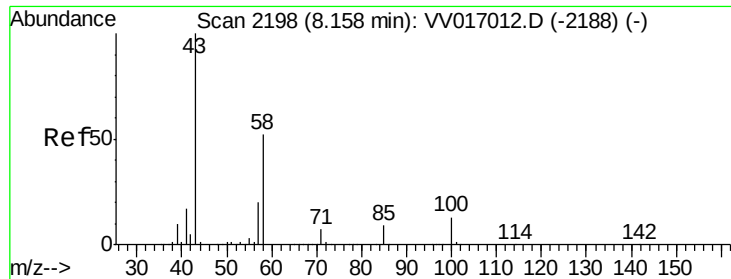
Ion 164.00 (163.70 to 164.70): VV017018.D (-2133) (-)

Ion 129.00 (128.70 to 129.70): VV017018.D (-2133) (-)

Ion 131.00 (130.70 to 131.70): VV017018.D (-2133) (-)

Ion 166.00 (165.70 to 166.70): VV017018.D (-2133) (-)

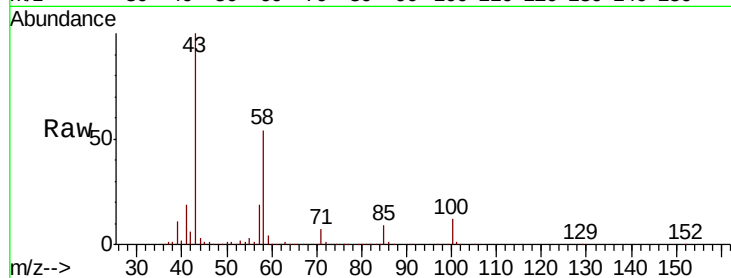




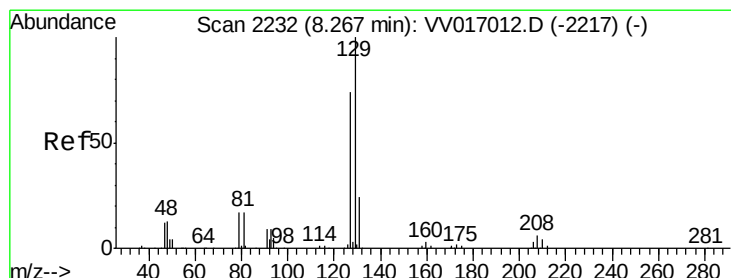
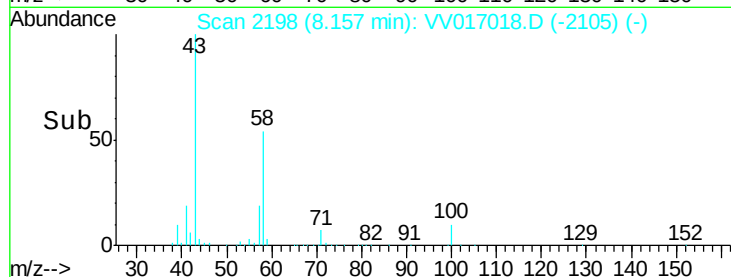
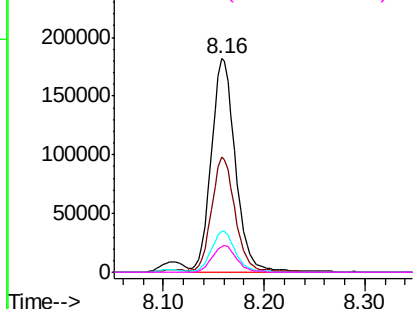
#48
2-Hexanone
Concen: 109.113 ug/L
RT: 8.16 min Scan# 2198
Delta R.T. -0.00 min
Lab File: VV017018.D
Acq: 22 Jun 2020 13:54

Instrument :
MSVOA_V
ClientSampleId :
VSTD05069

Tot Ion: 43 Resp: 300378
Ion Ratio Lower Upper
43 100
58 52.1 43.1 64.7
57 18.7 15.3 22.9
100 12.6 10.0 15.0

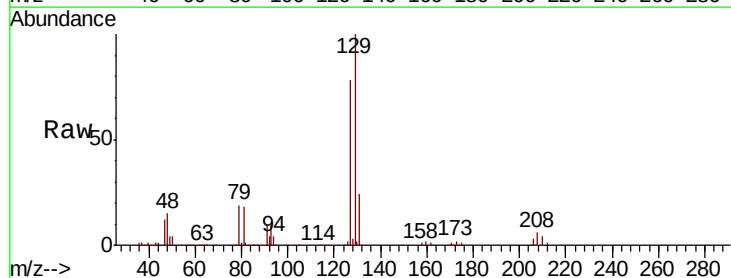


Abundance Ion 43.00 (42.70 to 43.70): VV017018.D (-2105) (-)
Ion 58.00 (57.70 to 58.70): VV017018.D (-2105) (-)
Ion 57.00 (56.70 to 57.70): VV017018.D (-2105) (-)
Ion 100.00 (99.70 to 100.70): VV017018.D (-2105) (-)

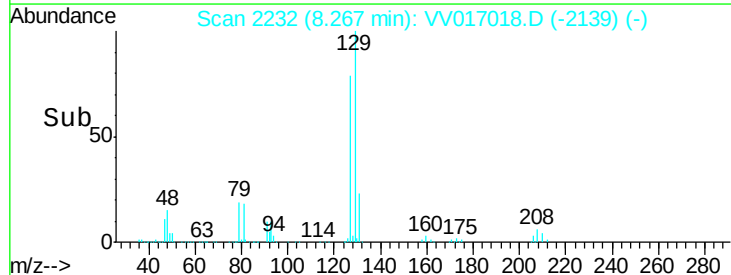
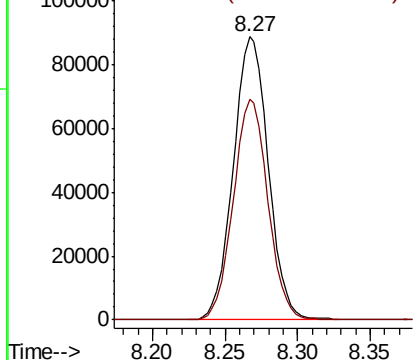


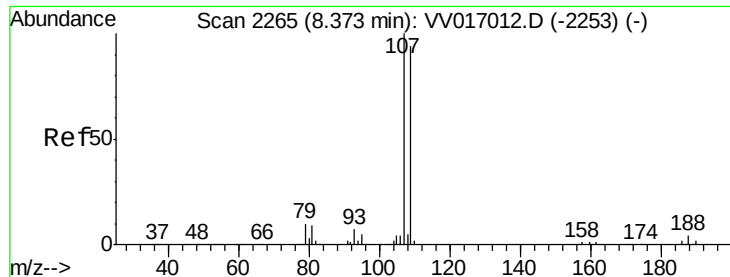
#49
Dibromochloromethane
Concen: 57.429 ug/L
RT: 8.27 min Scan# 2232
Delta R.T. -0.00 min
Lab File: VV017018.D
Acq: 22 Jun 2020 13:54

Tgt Ion: 129 Resp: 148434
Ion Ratio Lower Upper
129 100
127 77.8 54.2 100.6



Abundance Ion 129.00 (128.70 to 129.70): VV017018.D (-2139) (-)
Ion 127.00 (126.70 to 127.70): VV017018.D (-2139) (-)

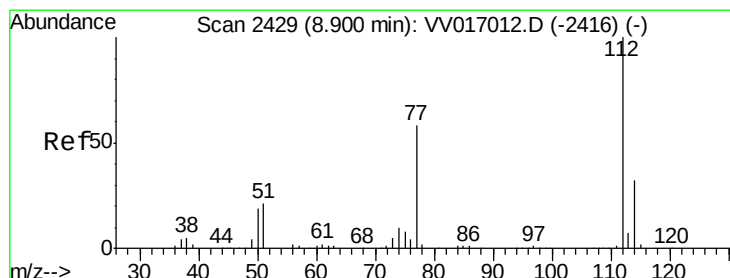
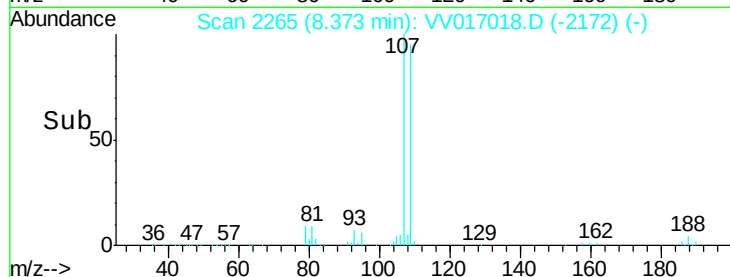
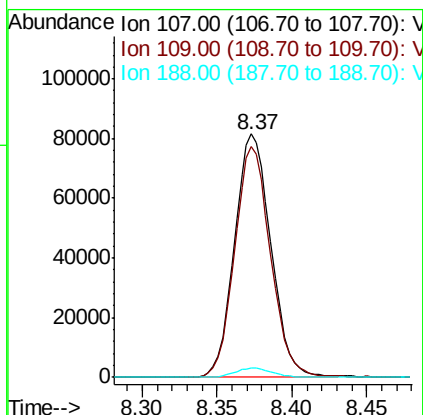
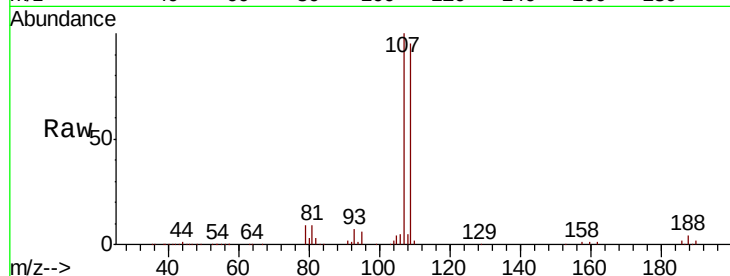




#50
1,2-Dibromoethane
Concen: 54.446 ug/L
RT: 8.37 min Scan# 2265
Delta R.T. -0.00 min
Lab File: VV017018.D
Acq: 22 Jun 2020 13:54

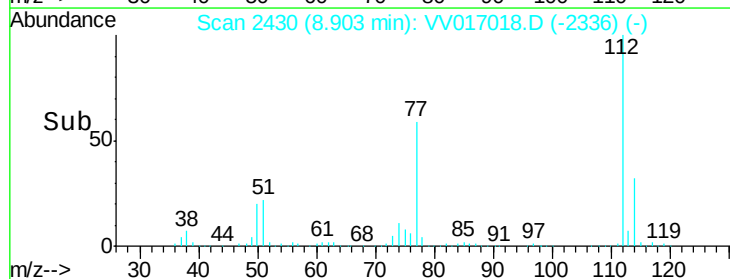
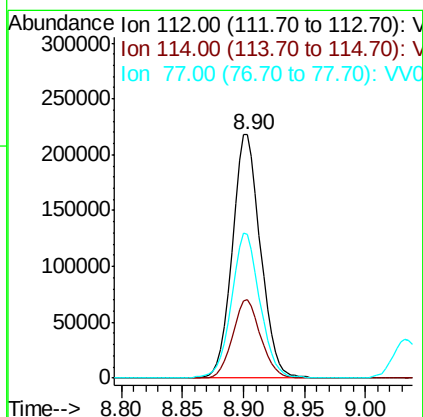
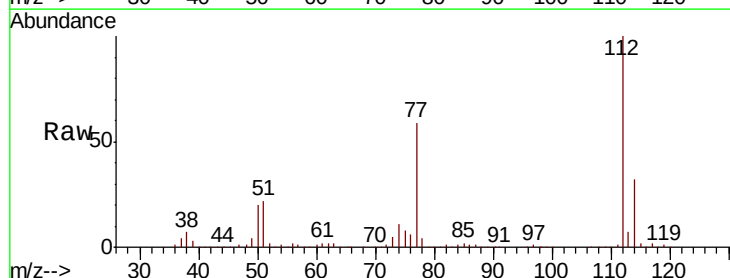
Instrument :
MSVOA_V
ClientSampleId :
VSTD05069

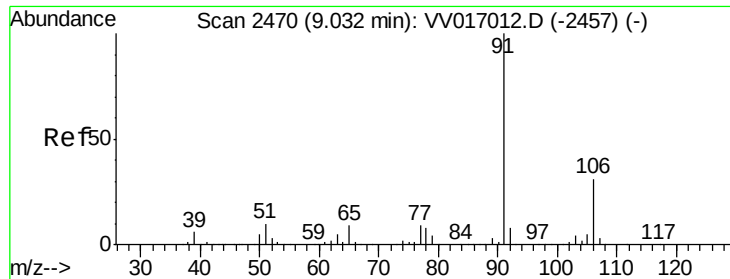
Tot Ion	Ratio	Lower	Upper
107	100		
109	95.0	66.4	123.2
188	3.7	3.1	4.7



#51
Chlorobenzene
Concen: 52.876 ug/L
RT: 8.90 min Scan# 2430
Delta R.T. 0.00 min
Lab File: VV017018.D
Acq: 22 Jun 2020 13:54

Tgt Ion	Ratio	Lower	Upper
112	100		
114	32.1	22.3	41.3
77	58.9	47.9	71.9





#52

Ethylbenzene

Concen: 54.177 ug/L

RT: 9.03 min Scan# 2470

Delta R.T. -0.00 min

Lab File: VV017018.D

Acq: 22 Jun 2020 13:54

Instrument :

MSVOA_V

ClientSampleId :

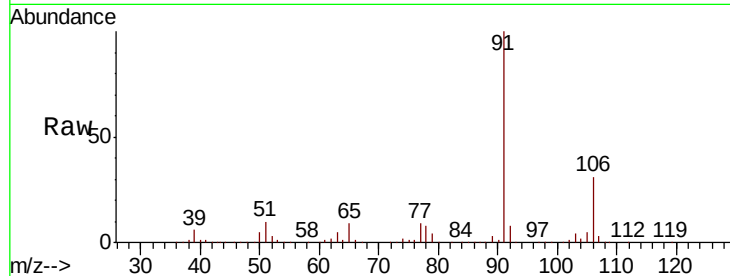
VSTD05069

Tot Ion: 91 Resp: 609497

Ion Ratio Lower Upper

91 100

106 30.9 21.1 39.1



Abundance Ion 91.00 (90.70 to 91.70): VV017012.D (-2457) (-)

Ion 106.00 (105.70 to 106.70): VV017012.D (-2457) (-)

9.03

400000

300000

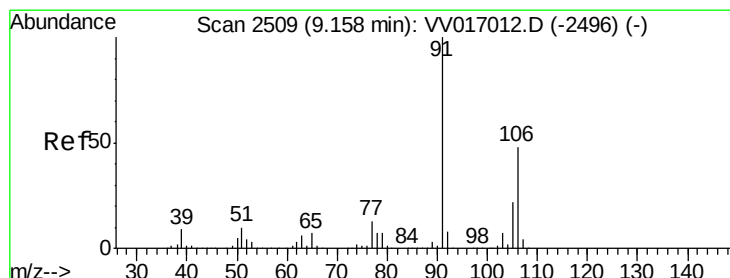
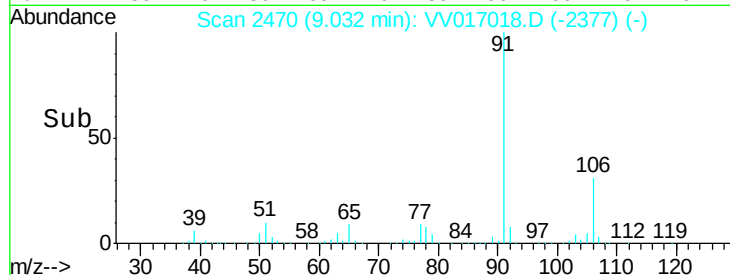
200000

100000

0

8.95 9.00 9.05 9.10 9.15

Time-->



#53

m,p-Xylene

Concen: 53.471 ug/L

RT: 9.16 min Scan# 2510

Delta R.T. 0.00 min

Lab File: VV017018.D

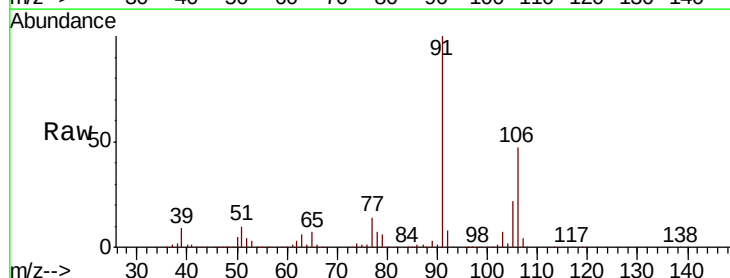
Acq: 22 Jun 2020 13:54

Tgt Ion: 106 Resp: 223978

Ion Ratio Lower Upper

106 100

91 212.8 144.6 268.6



Abundance Ion 106.00 (105.70 to 106.70): VV017012.D (-2496) (-)

Ion 91.00 (90.70 to 91.70): VV017012.D (-2496) (-)

9.16

300000

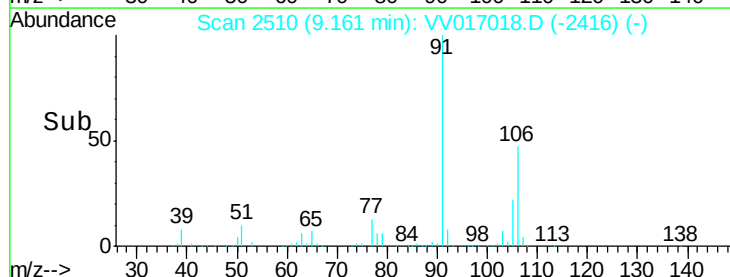
200000

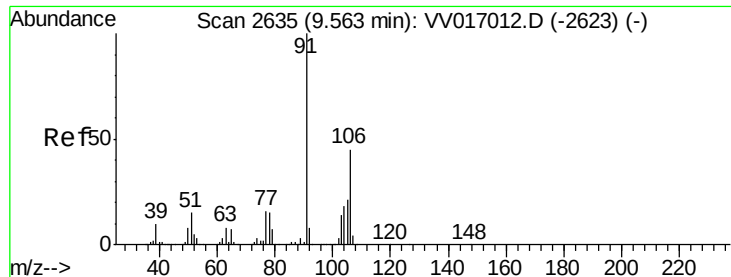
100000

0

9.10 9.15 9.20 9.25

Time-->





#54

o-xylene

Concen: 54.535 ug/L

RT: 9.56 min Scan# 2635

Delta R.T. -0.00 min

Lab File: VV017018.D

Acq: 22 Jun 2020 13:54

Instrument :

MSVOA_V

ClientSampleId :

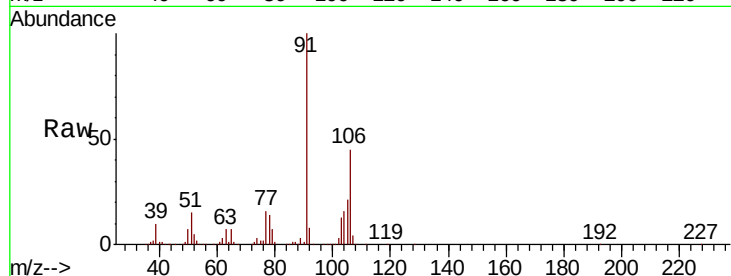
VSTD05069

Tot Ion:106 Resp: 225291

Ion Ratio Lower Upper

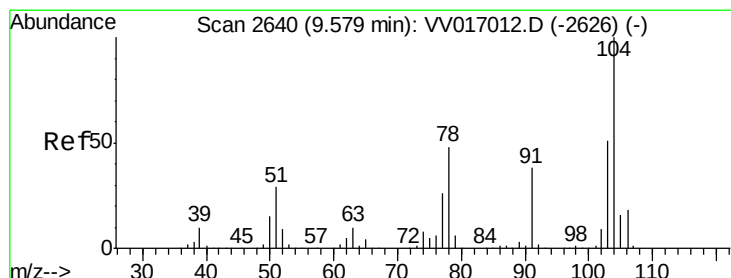
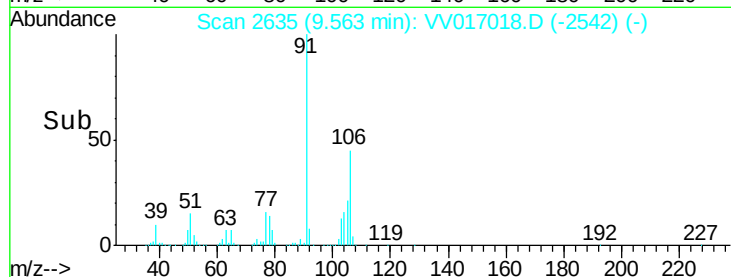
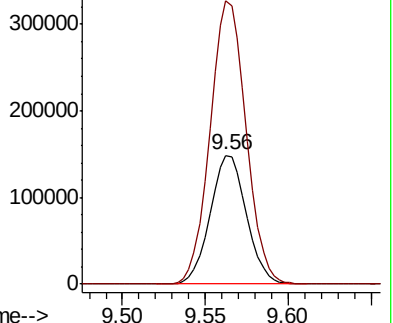
106 100

91 219.9 155.9 289.5



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VV0



#55

Styrene

Concen: 55.533 ug/L

RT: 9.58 min Scan# 2641

Delta R.T. 0.00 min

Lab File: VV017018.D

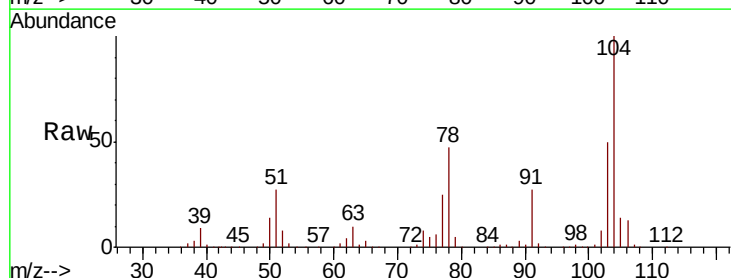
Acq: 22 Jun 2020 13:54

Tgt Ion:104 Resp: 387876

Ion Ratio Lower Upper

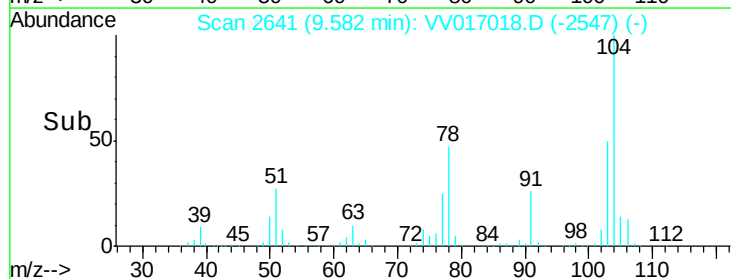
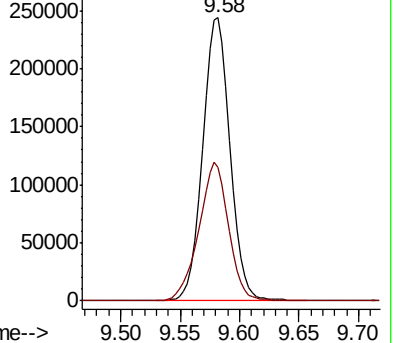
104 100

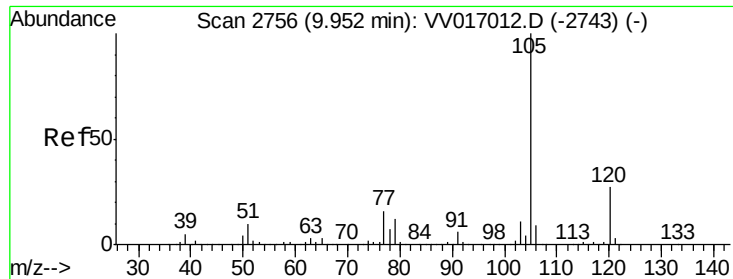
78 47.2 32.6 60.6



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VV0





#56

Isopropylbenzene

Concen: 54.997 ug/L

RT: 9.95 min Scan# 2756

Delta R.T. -0.00 min

Lab File: VV017018.D

Acq: 22 Jun 2020 13:54

Instrument :

MSVOA_V

ClientSampled :

VSTD05069

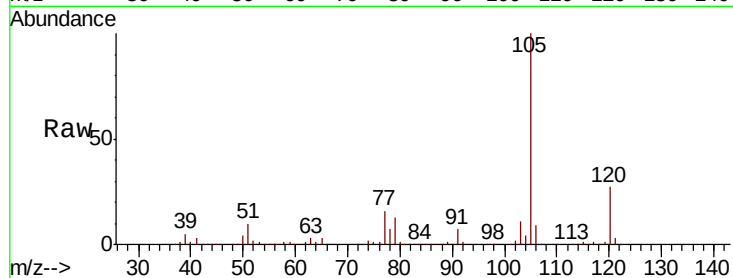
Tot Ion:105 Resp: 610481

Ion Ratio Lower Upper

105 100

120 26.6 21.2 31.8

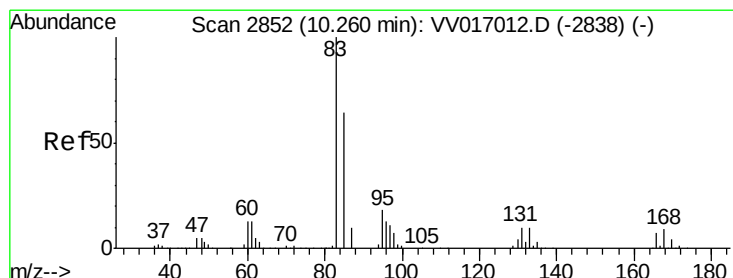
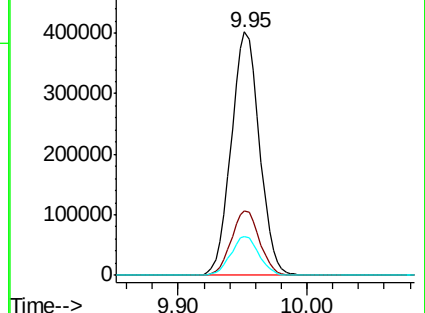
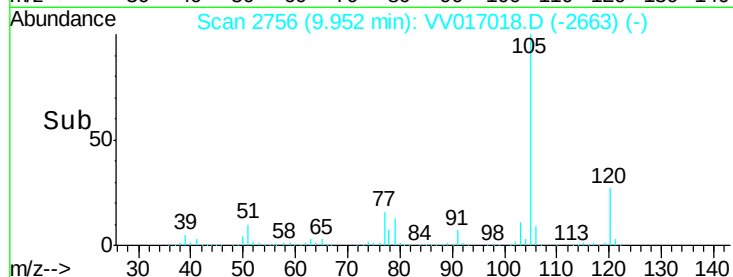
77 15.9 13.0 19.4



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: 51.244 ug/L

RT: 10.26 min Scan# 2853

Delta R.T. 0.00 min

Lab File: VV017018.D

Acq: 22 Jun 2020 13:54

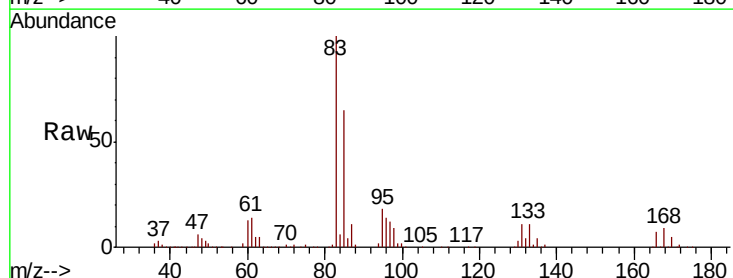
Tgt Ion: 83 Resp: 189927

Ion Ratio Lower Upper

83 100

85 65.1 46.8 86.8

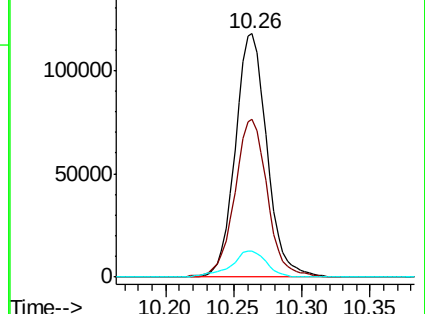
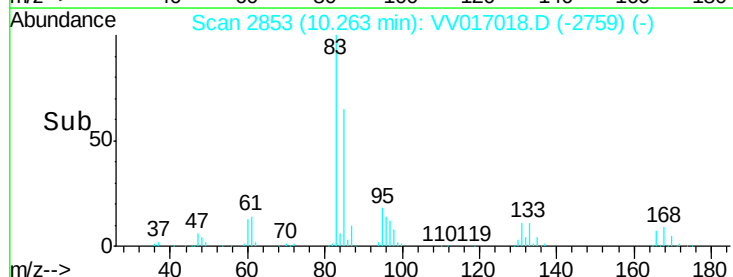
131 10.8 7.9 11.9

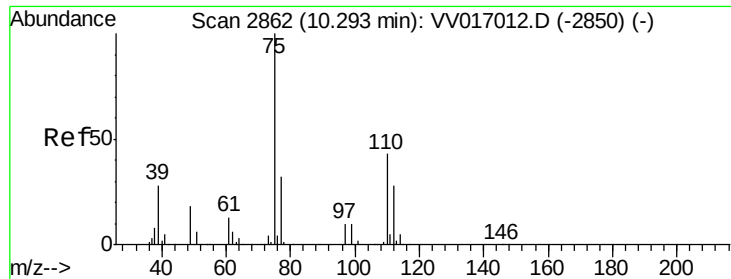


Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 53.865 ug/L

RT: 10.30 min Scan# 2863

Delta R.T. 0.00 min

Lab File: VV017018.D

Acq: 22 Jun 2020 13:54

Instrument :

MSVOA_V

ClientSampleId :

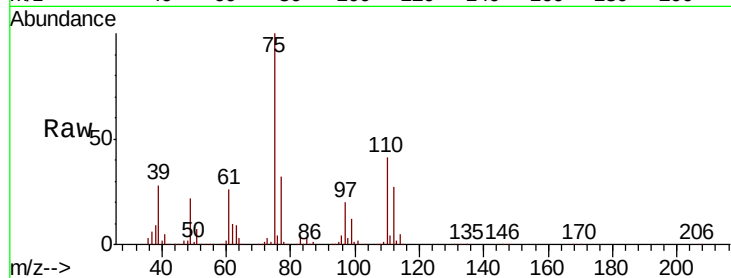
VSTD05069

Tot Ion: 75 Resp: 167454

Ion Ratio Lower Upper

75 100

77 31.5 26.1 39.1



Abundance Ion 75.00 (74.70 to 75.70): VV017012.D (-2850) (-)

Ion 77.00 (76.70 to 77.70): VV017012.D (-2850) (-)

10.30

120000

100000

80000

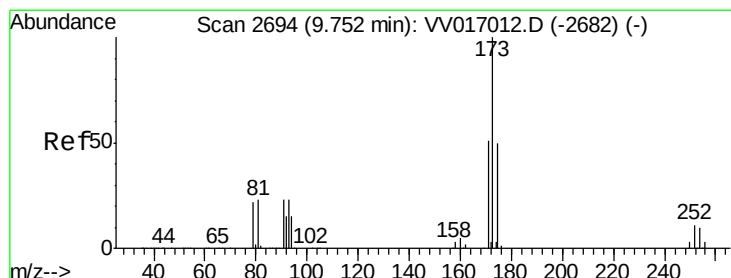
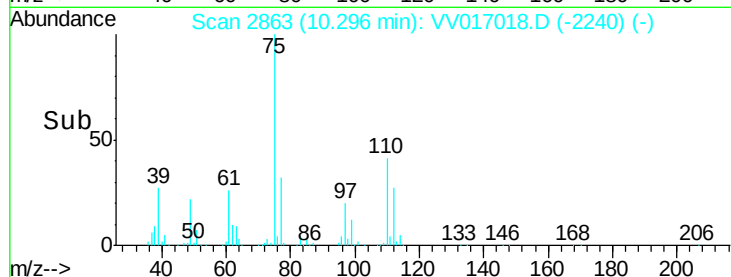
60000

40000

20000

0

Time-->



#61

Bromoform

Concen: 59.301 ug/L

RT: 9.75 min Scan# 2694

Delta R.T. -0.00 min

Lab File: VV017018.D

Acq: 22 Jun 2020 13:54

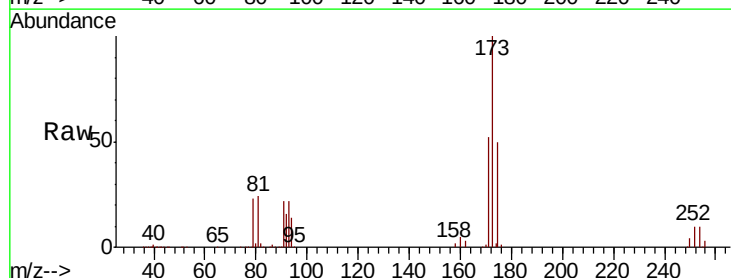
Tgt Ion: 173 Resp: 103545

Ion Ratio Lower Upper

173 100

175 48.4 39.0 58.4

254 9.8 7.6 11.4



Abundance Ion 173.00 (172.70 to 173.70): VV017012.D (-2682) (-)

Ion 175.00 (174.70 to 175.70): VV017012.D (-2682) (-)

Ion 254.00 (253.70 to 254.70): VV017012.D (-2682) (-)

9.75

80000

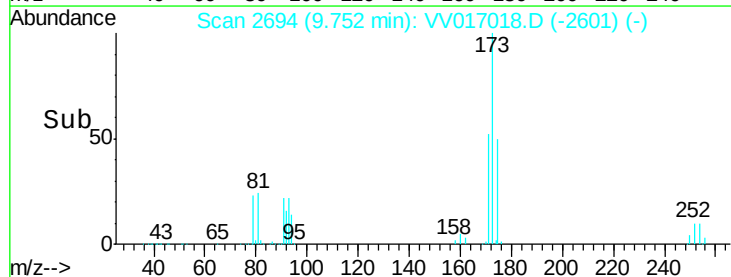
60000

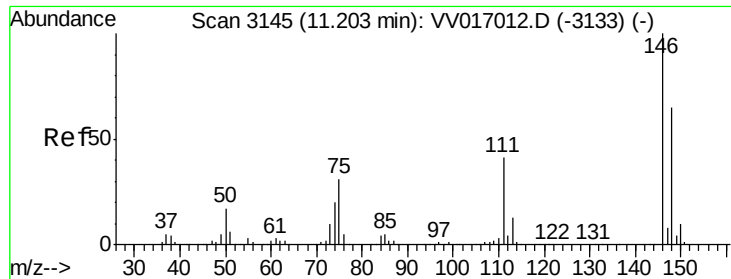
40000

20000

0

Time-->





#62

1,3-Dichlorobenzene

Concen: 53.868 ug/L

RT: 11.20 min Scan# 3145

Delta R.T. -0.00 min

Lab File: VV017018.D

Acq: 22 Jun 2020 13:54

Instrument :

MSVOA_V

ClientSampleId :

VSTD05069

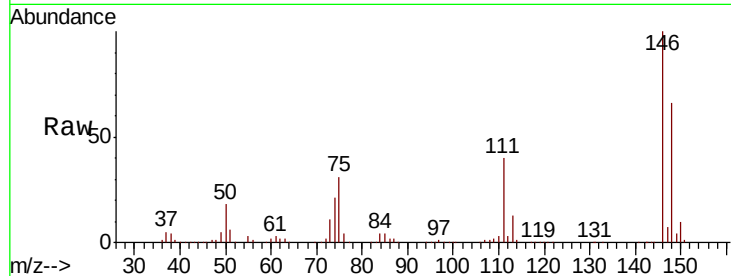
Tot Ion:146 Resp: 289634

Ion Ratio Lower Upper

146 100

111 40.1 28.3 52.7

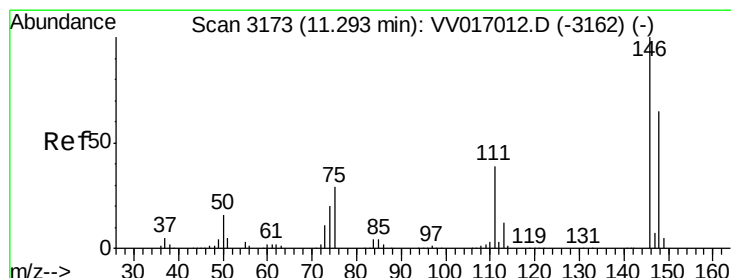
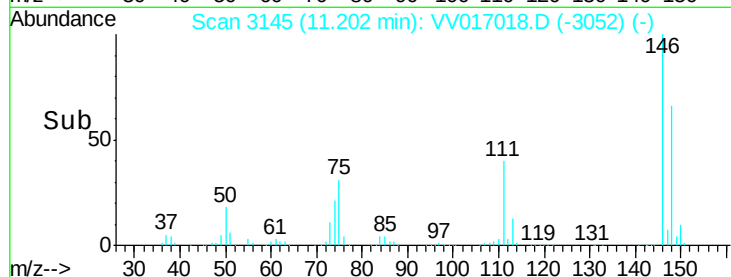
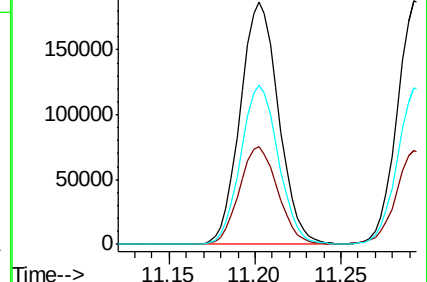
148 65.7 44.2 82.2



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#63

1,4-Dichlorobenzene

Concen: 52.917 ug/L

RT: 11.29 min Scan# 3173

Delta R.T. -0.00 min

Lab File: VV017018.D

Acq: 22 Jun 2020 13:54

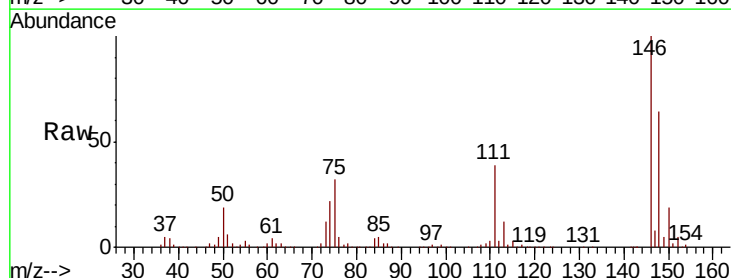
Tgt Ion:146 Resp: 289487

Ion Ratio Lower Upper

146 100

111 38.7 26.7 49.7

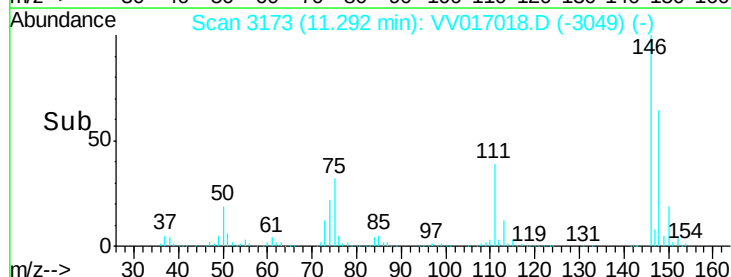
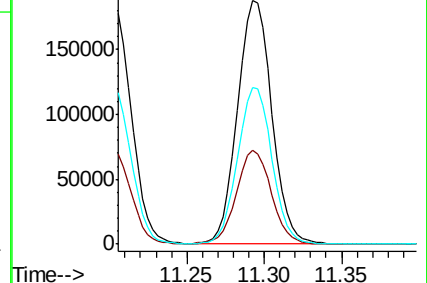
148 64.3 43.5 80.9

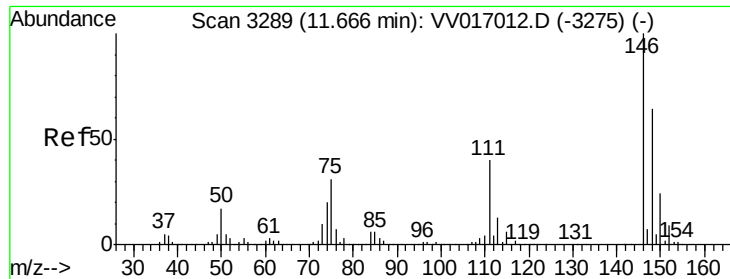


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

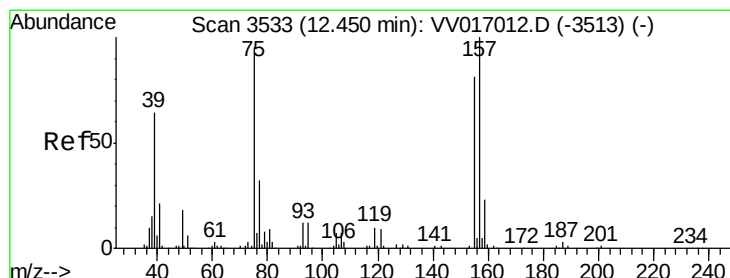
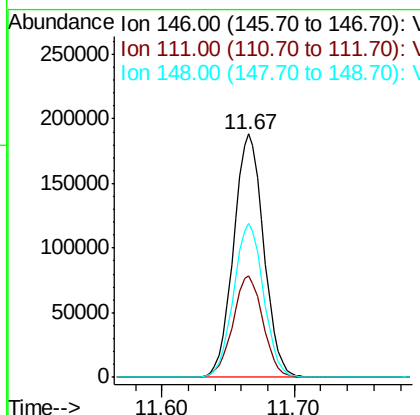
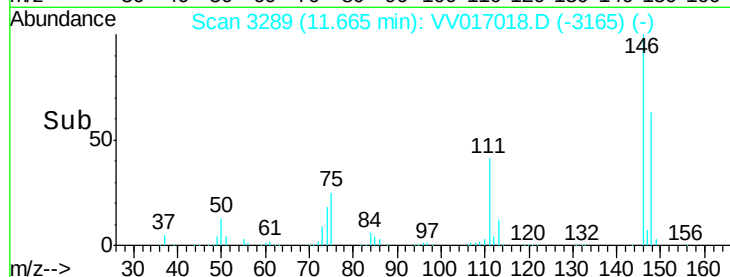
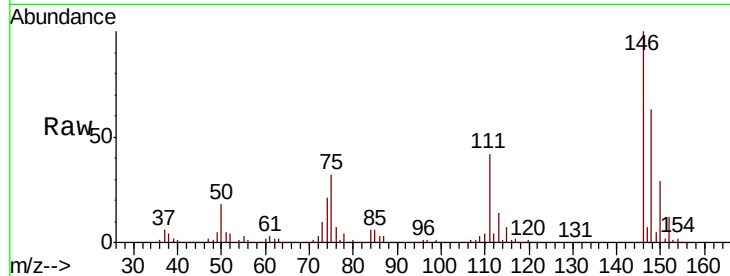




#65
 1,2-Dichlorobenzene
 Concen: 55.044 ug/L
 RT: 11.67 min Scan# 3289
 Delta R.T. -0.00 min
 Lab File: VV017018.D
 Acq: 22 Jun 2020 13:54

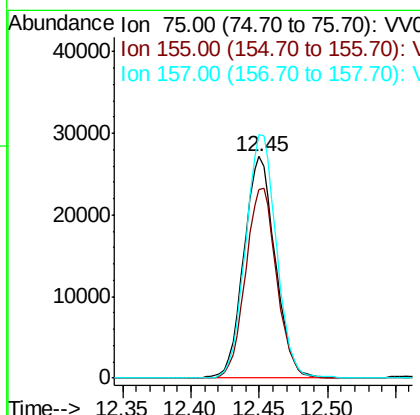
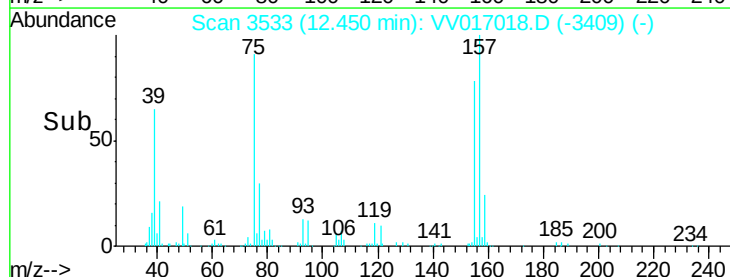
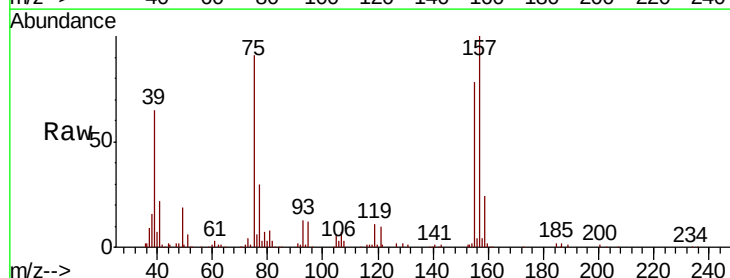
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05069

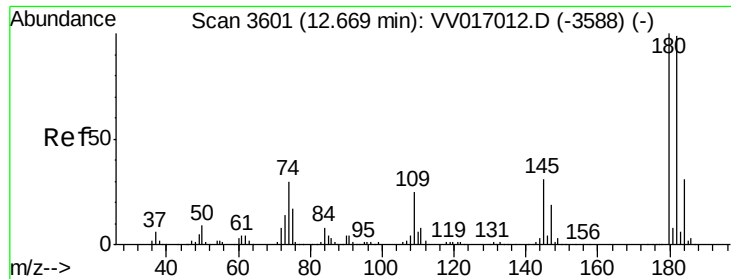
Tot Ion:146 Resp: 296591
 Ion Ratio Lower Upper
 146 100
 111 41.6 33.7 50.5
 148 63.3 50.7 76.1



#66
 1,2-Dibromo-3-chloropropane
 Concen: 51.149 ug/L
 RT: 12.45 min Scan# 3533
 Delta R.T. -0.00 min
 Lab File: VV017018.D
 Acq: 22 Jun 2020 13:54

Tgt Ion: 75 Resp: 43336
 Ion Ratio Lower Upper
 75 100
 155 85.2 69.8 104.6
 157 109.8 83.4 125.2

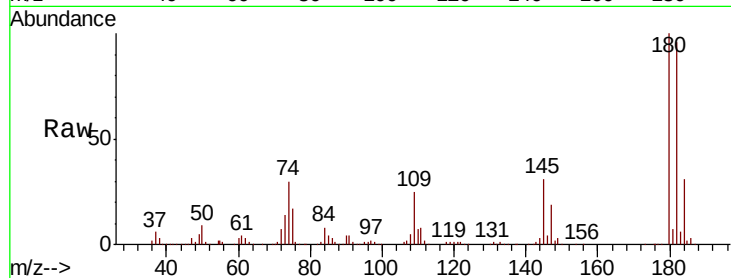




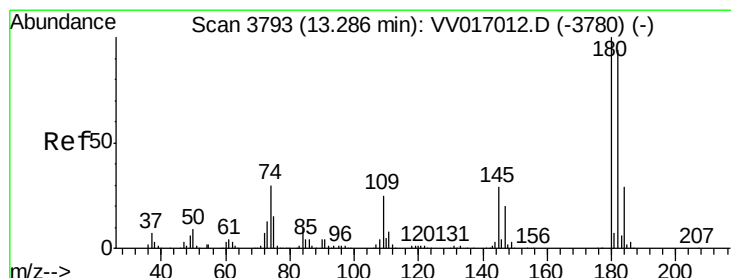
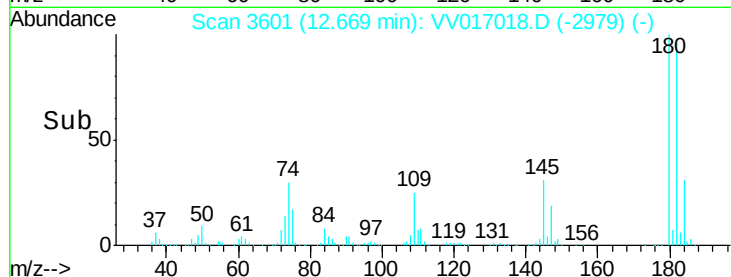
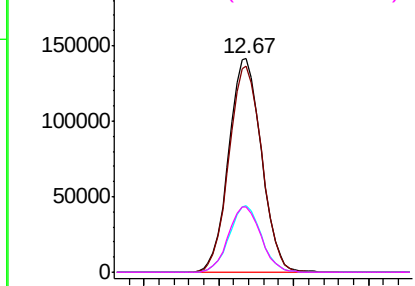
#67
 1,3,5-Trichlorobenzene
 Concen: 53.739 ug/L
 RT: 12.67 min Scan# 3601
 Delta R.T. -0.00 min
 Lab File: VV017018.D
 Acq: 22 Jun 2020 13:54

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05069

Tot Ion:180 Resp: 215458
 Ion Ratio Lower Upper
 180 100
 182 96.8 75.0 112.6
 184 30.5 24.5 36.7
 145 30.7 24.4 36.6

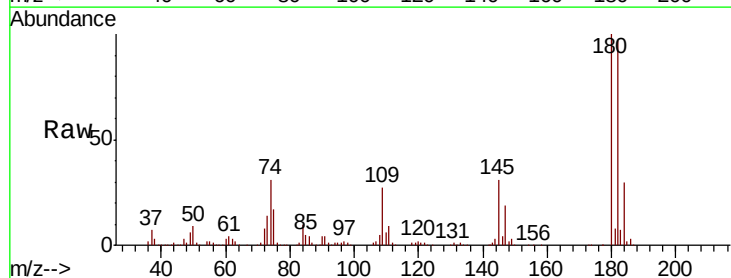


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

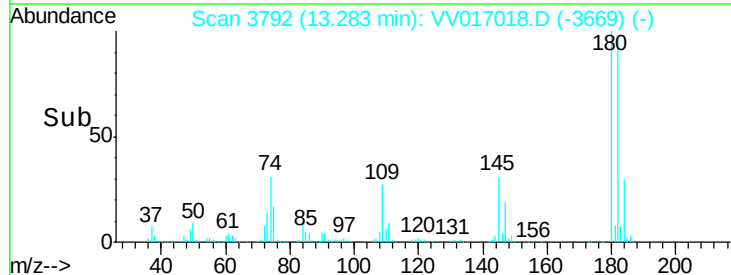
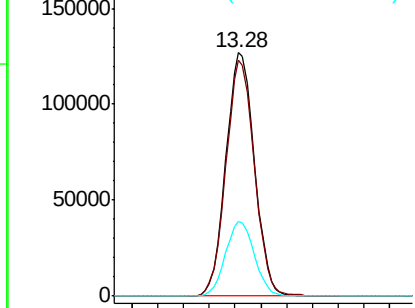


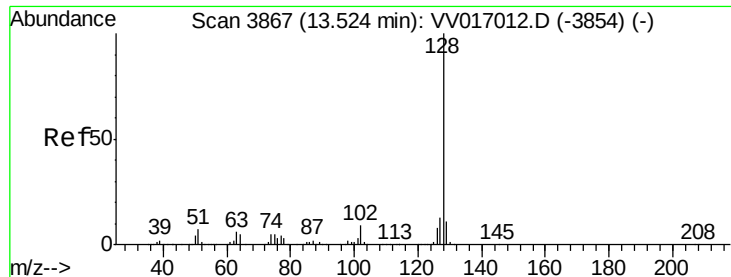
#68
 1,2,4-trichlorobenzene
 Concen: 52.899 ug/L
 RT: 13.28 min Scan# 3792
 Delta R.T. -0.00 min
 Lab File: VV017018.D
 Acq: 22 Jun 2020 13:54

Tgt Ion:180 Resp: 194538
 Ion Ratio Lower Upper
 180 100
 182 96.4 76.9 115.3
 145 30.9 25.2 37.8



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: 54.528 ug/L

RT: 13.52 min Scan# 3867

Delta R.T. -0.00 min

Lab File: VV017018.D

Acq: 22 Jun 2020 13:54

Instrument :

MSVOA_V

ClientSampleId :

VSTD05069

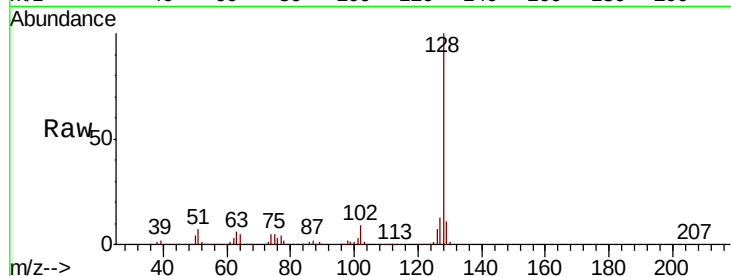
Tot Ion:128 Resp: 576817

Ion Ratio Lower Upper

128 100

127 13.4 10.5 15.7

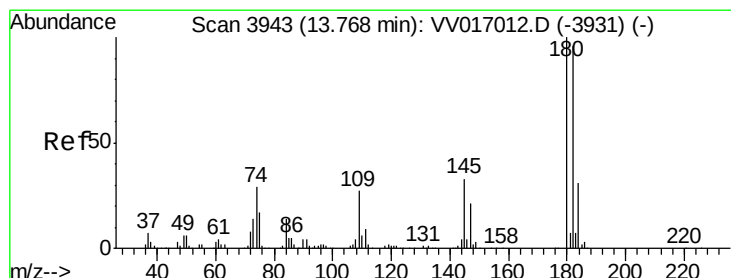
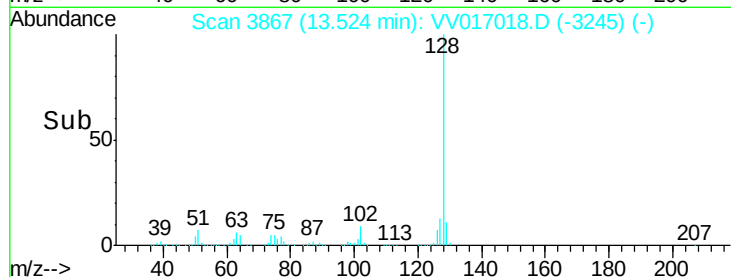
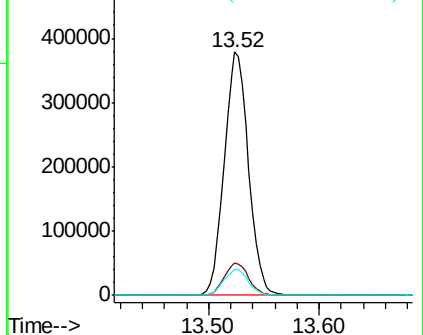
129 10.8 8.7 13.1



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#70

1,2,3-Trichlorobenzene

Concen: 54.142 ug/L

RT: 13.77 min Scan# 3943

Delta R.T. -0.00 min

Lab File: VV017018.D

Acq: 22 Jun 2020 13:54

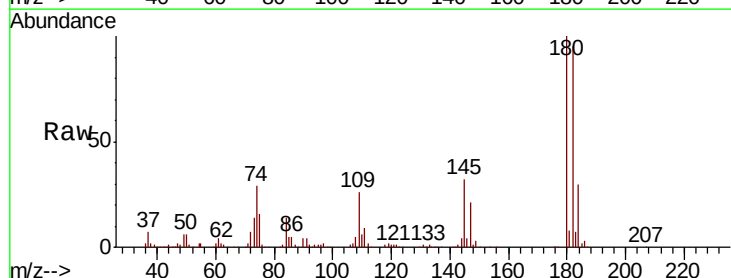
Tgt Ion:180 Resp: 194820

Ion Ratio Lower Upper

180 100

182 95.4 76.5 114.7

145 33.2 26.1 39.1



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

