

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV060620\
 Data File : VV016578.D
 Acq On : 06 Jun 2020 10:18
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05069

Quant Time: Jun 06 23:44:34 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM060320WMA.M
 Quant Title : VOC Analysis
 QLast Update : Sat Jun 06 06:28:49 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	415585	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	391074	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	199660	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	124058	42.15	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	84.30%
7) Chloroethane-d5	1.57	69	93756	44.12	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	88.24%
11) 1,1-Dichloroethene-d2	2.12	63	232332	44.53	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	89.06%
21) 2-Butanone-d5	3.89	46	219556	116.65	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	116.65%
24) Chloroform-d	4.37	84	275477	49.87	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	99.74%
26) 1,2-Dichloroethane-d4	5.05	65	184054	49.76	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	99.52%
32) Benzene-d6	5.07	84	533607	50.94	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	101.88%
36) 1,2-Dichloropropane-d6	6.09	67	168508	51.62	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	103.24%
41) Toluene-d8	7.34	98	489291	51.43	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	102.86%
43) trans-1,3-Dichloropropene-	7.64	79	85576	53.80	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	107.60%
47) 2-Hexanone-d5	8.11	63	168369	120.44	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	120.44%
57) 1,1,2,2-Tetrachloroethane-	10.24	84	229123	51.76	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	103.52%
64) 1,2-Dichlorobenzene-d4	11.65	152	202575	53.99	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	107.98%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.14	85	162966	47.527	ug/L 99
3) Chloromethane	1.25	50	162861	49.296	ug/L 100
5) Vinyl chloride	1.32	62	147358	46.163	ug/L 100
6) Bromomethane	1.51	94	74911	45.111	ug/L 99
8) Chloroethane	1.59	64	84327	47.139	ug/L 99
9) Trichlorofluoromethane	1.76	101	216341	46.932	ug/L 97
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	114008	47.551	ug/L 99
12) 1,1-Dichloroethene	2.13	96	106223	46.039	ug/L 94
13) Acetone	2.17	43	139028	79.035	ug/L 98
14) Carbon disulfide	2.31	76	373955	46.815	ug/L 99
15) Methyl Acetate	2.44	43	170342	52.686	ug/L 98
16) Methylene chloride	2.52	84	147648	45.392	ug/L 99
17) trans-1,2-Dichloroethene	2.78	96	139739	48.001	ug/L 98
18) Methyl tert-butyl Ether	2.78	73	472935	52.475	ug/L 99
19) 1,1-Dichloroethane	3.21	63	265477	49.309	ug/L 99
22) 2-Butanone	3.98	43	237548	108.825	ug/L 96
23) Bromochloromethane	4.27	128	78610	48.624	ug/L 97

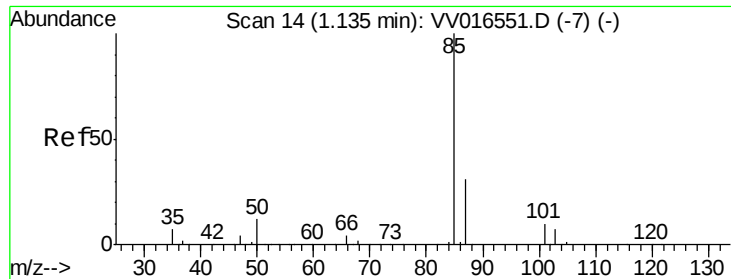
Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV060620\
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
25) Chloroform	4.40	83	269068	47.681	ug/L	99
27) 1,2-Dichloroethane	5.15	62	224559	48.974	ug/L	99
29) Cyclohexane	4.70	56	249852	53.830	ug/L	100
30) 1,1,1-Trichloroethane	4.63	97	245191	51.445	ug/L	99
31) Carbon tetrachloride	4.85	117	211389	51.571	ug/L	96
33) Benzene	5.12	78	584425	50.813	ug/L	100
34) Trichloroethene	5.94	95	150110	49.740	ug/L	97
35) Methylcyclohexane	6.15	83	252610	58.314	ug/L	100
37) 1,2-Dichloropropane	6.20	63	150189	50.099	ug/L	100
38) Bromodichloromethane	6.53	83	195378	50.723	ug/L	99
39) cis-1,3-Dichloropropene	7.05	75	241894	55.340	ug/L	100
40) 4-Methyl-2-pentanone	7.24	43	454145	110.097	ug/L	100
42) Toluene	7.41	91	617862	50.697	ug/L	99
44) trans-1,3-Dichloropropene	7.67	75	233579	54.465	ug/L	100
45) 1,1,2-Trichloroethane	7.86	97	144494	49.847	ug/L	99
46) Tetrachloroethene	8.00	164	120853	51.938	ug/L	98
48) 2-Hexanone	8.16	43	349762	109.067	ug/L	99
49) Dibromochloromethane	8.27	129	152134	53.985	ug/L	98
50) 1,2-Dibromoethane	8.37	107	153881	50.184	ug/L	99
51) Chlorobenzene	8.90	112	394778	49.286	ug/L	99
52) Ethylbenzene	9.03	91	696908	52.539	ug/L	99
53) m,p-Xylene	9.16	106	263918	52.766	ug/L	99
54) o-xylene	9.56	106	252691	52.165	ug/L	97
55) Styrene	9.58	104	439121	51.746	ug/L	97
56) Isopropylbenzene	9.95	105	694627	55.207	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.26	83	231968	49.885	ug/L	100
59) 1,2,3-Trichloropropane	10.30	75	188008	50.258	ug/L	98
61) Bromoform	9.75	173	99831	59.715	ug/L	100
62) 1,3-Dichlorobenzene	11.20	146	320848	51.866	ug/L	98
63) 1,4-Dichlorobenzene	11.30	146	324447	50.548	ug/L	99
65) 1,2-Dichlorobenzene	11.67	146	326127	52.377	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.45	75	51855	54.877	ug/L	98
67) 1,3,5-Trichlorobenzene	12.67	180	243876	58.598	ug/L	99
68) 1,2,4-trichlorobenzene	13.29	180	222513	57.751	ug/L	98
69) Naphthalene	13.53	128	662735	56.039	ug/L	99
70) 1,2,3-Trichlorobenzene	13.77	180	213166	58.200	ug/L	100

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



#2

Dichlorodifluoromethane

Concen: 47.527 ug/L

RT: 1.14 min Scan# 14

Delta R.T. -0.00 min

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Instrument :

MSVOA_V

ClientSampleId :

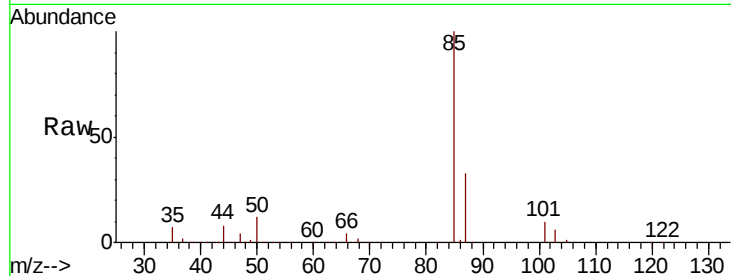
VSTD05069

Tot Ion: 85 Resp: 162966

Ion Ratio Lower Upper

85 100

87 32.4 26.2 39.2



Abundance Ion 85.00 (84.70 to 85.70): VV016551.D (-7) (-)

Ion 87.00 (86.70 to 87.70): VV016551.D (-7) (-)

1.14

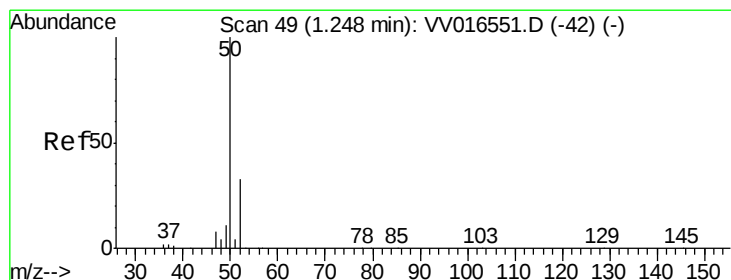
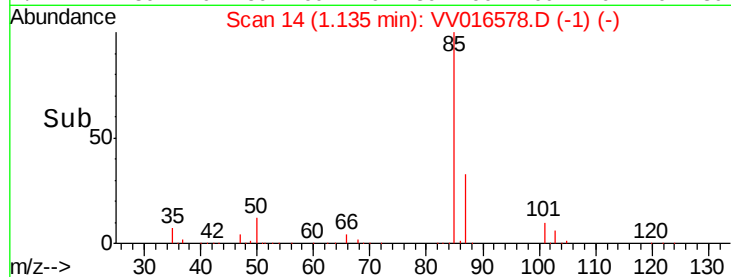
150000

100000

50000

0

Time-->



#3

Chloromethane

Concen: 49.296 ug/L

RT: 1.25 min Scan# 49

Delta R.T. -0.00 min

Lab File: VV016578.D

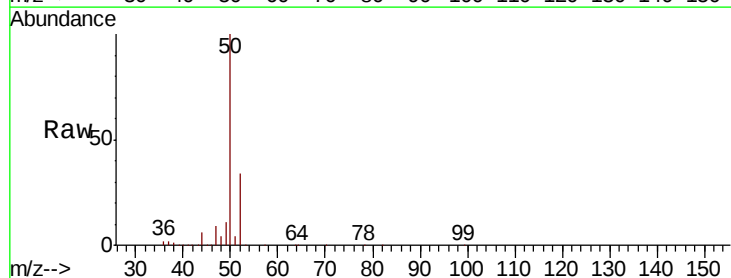
Acq: 06 Jun 2020 10:18

Tgt Ion: 50 Resp: 162861

Ion Ratio Lower Upper

50 100

52 33.7 23.5 43.7



Abundance Ion 50.00 (49.70 to 50.70): VV016551.D (-42) (-)

Ion 52.00 (51.70 to 52.70): VV016551.D (-42) (-)

1.25

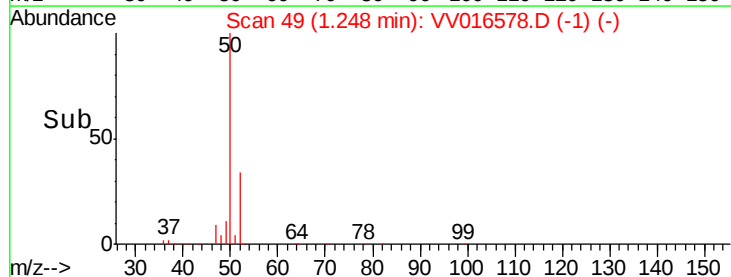
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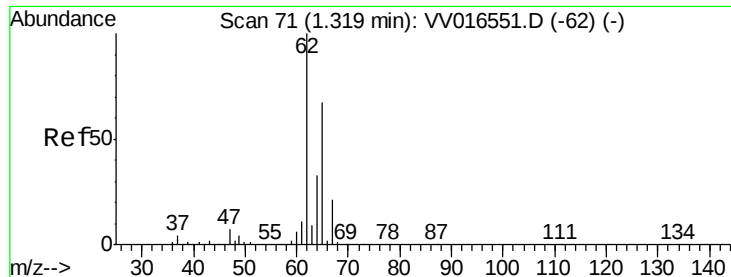
100000

50000

0

Time-->





#5

Vinyl chloride

Concen: 46.163 ug/L

RT: 1.32 min Scan# 71

Delta R.T. -0.00 min

Lab File: VV016578.D

Acq: 06 Jun 2020 10:18

Instrument :

MSVOA_V

ClientSampleId :

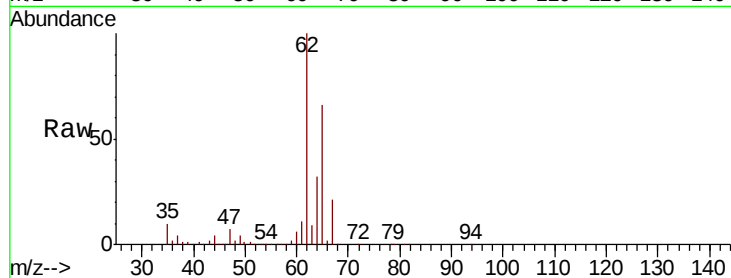
VSTD05069

Tot Ion: 62 Resp: 147358

Ion Ratio Lower Upper

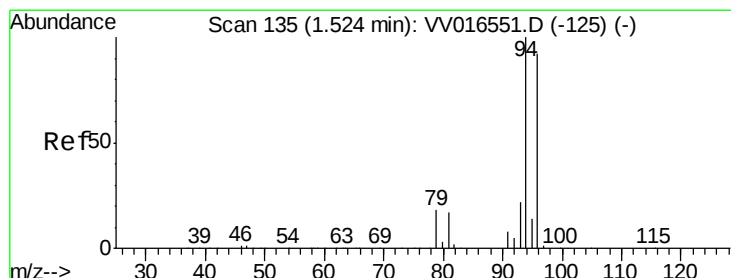
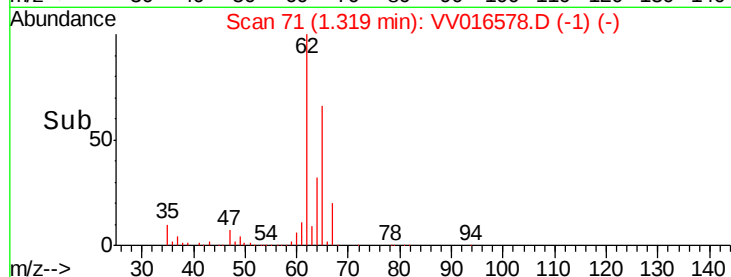
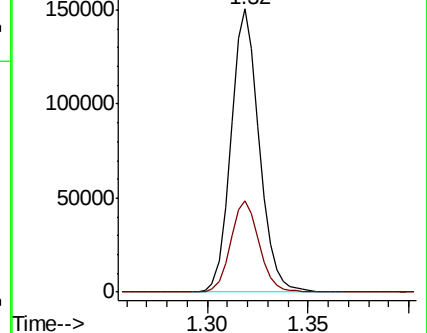
62 100

64 32.3 22.7 42.1



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.00 (63.70 to 64.70): VV0



#6

Bromomethane

Concen: 45.111 ug/L

RT: 1.51 min Scan# 132

Delta R.T. -0.01 min

Lab File: VV016578.D

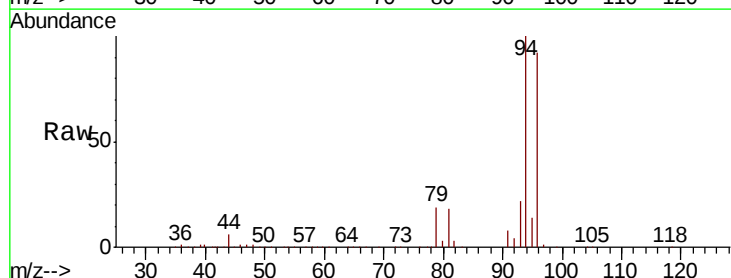
Acq: 06 Jun 2020 10:18

Tgt Ion: 94 Resp: 74911

Ion Ratio Lower Upper

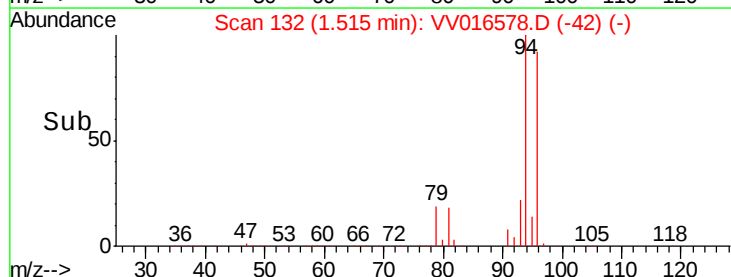
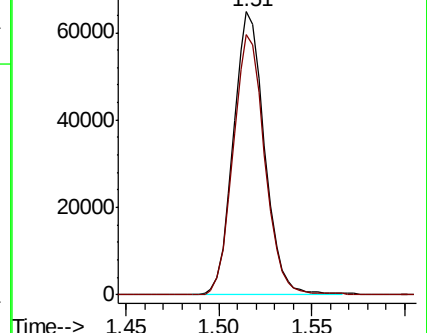
94 100

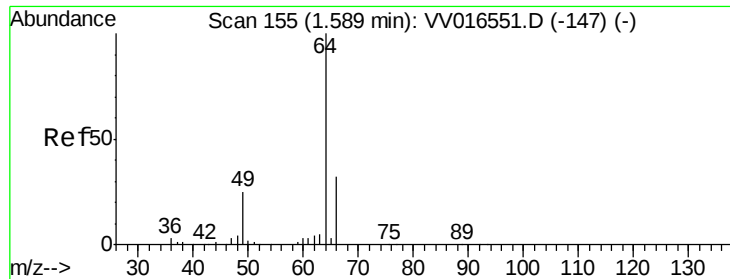
96 91.8 65.1 120.9



Abundance Ion 94.00 (93.70 to 94.70): VV0

Ion 96.00 (95.70 to 96.70): VV0

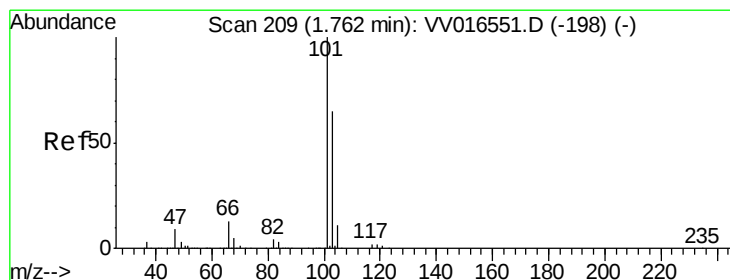
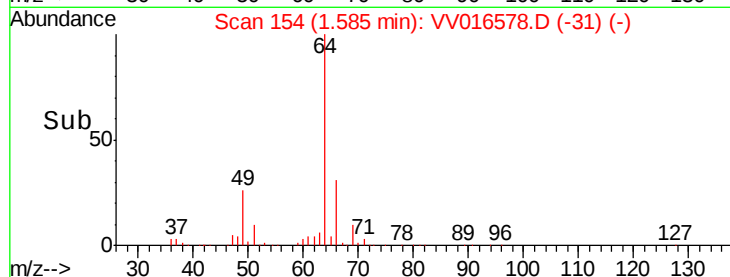
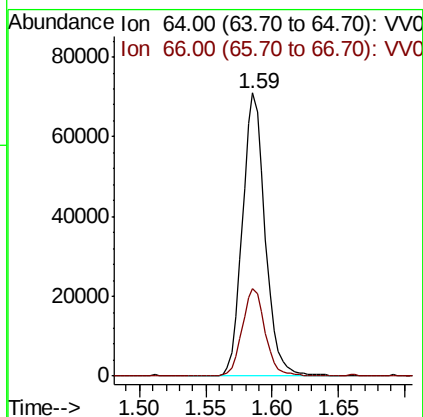
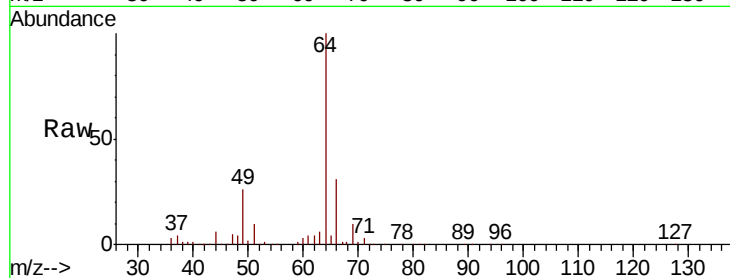




#8
Chloroethane
Concen: 47.139 ug/L
RT: 1.59 min Scan# 154
Delta R.T. -0.00 min
Lab File: VV016578.D
Acq: 06 Jun 2020 10:18

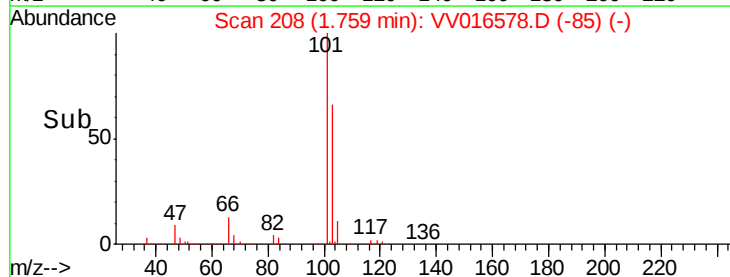
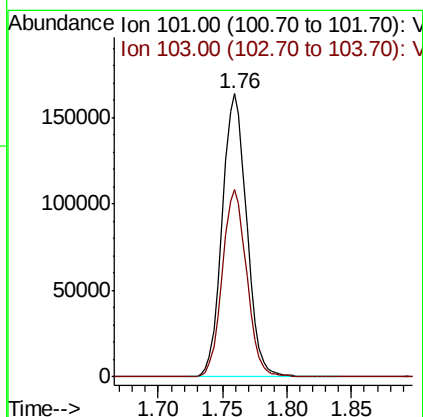
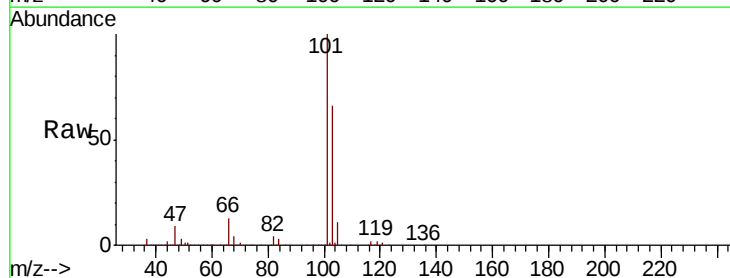
Instrument :
MSVOA_V
ClientSampleId :
VSTD05069

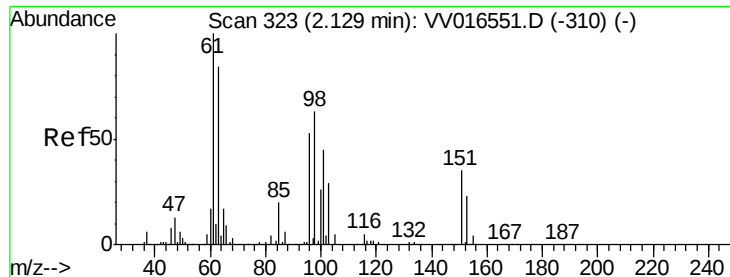
Tot Ion: 64 Resp: 84327
Ion Ratio Lower Upper
64 100
66 31.0 21.4 39.8



#9
Trichlorofluoromethane
Concen: 46.932 ug/L
RT: 1.76 min Scan# 208
Delta R.T. -0.00 min
Lab File: VV016578.D
Acq: 06 Jun 2020 10:18

Tgt Ion: 101 Resp: 216341
Ion Ratio Lower Upper
101 100
103 65.8 50.9 76.3





#10

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

Concen: 47.551 ug/L

RT: 2.13 min Scan# 322

Delta R.T. -0.00 min

Lab File: VV016578.D

Acq: 06 Jun 2020 10:18

Instrument :

MSVOA_V

ClientSampleId :

VSTD05069

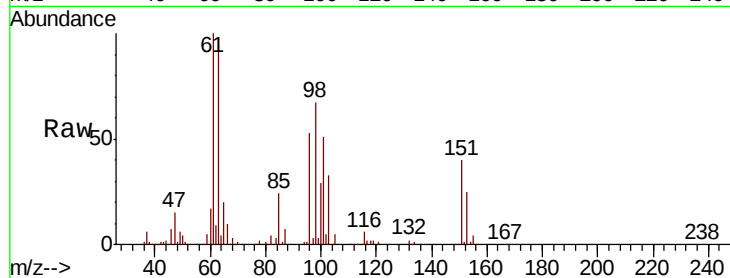
Tot Ion:101 Resp: 114008

Ion Ratio Lower Upper

101 100

85 44.8 35.6 53.4

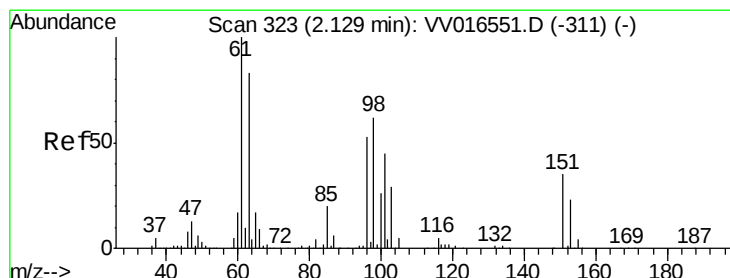
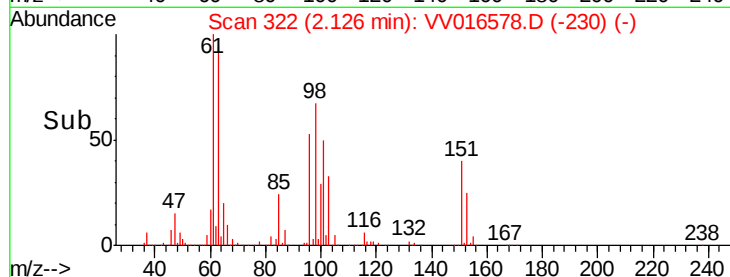
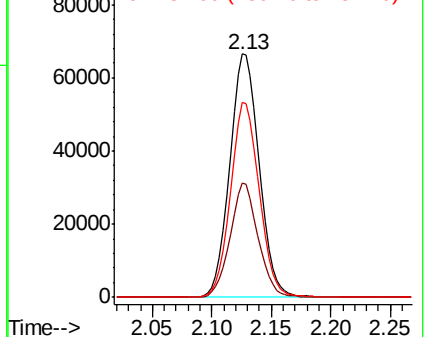
151 78.0 61.8 92.8



Abundance Ion 101.00 (100.70 to 101.70): VV016551.D (-310) (-)

Ion 85.00 (84.70 to 85.70): VV016551.D (-310) (-)

Ion 151.00 (150.70 to 151.70): VV016551.D (-310) (-)



#12

1,1-Dichloroethene

Concen: 46.039 ug/L

RT: 2.13 min Scan# 323

Delta R.T. -0.00 min

Lab File: VV016578.D

Acq: 06 Jun 2020 10:18

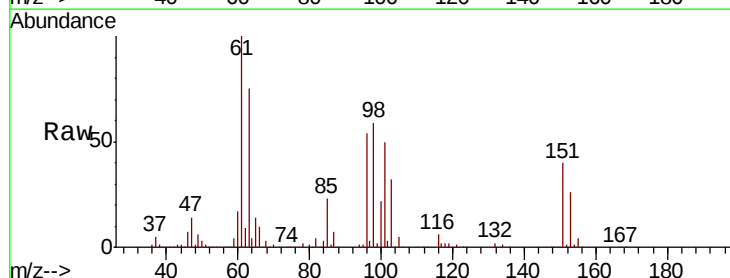
Tgt Ion: 96 Resp: 106223

Ion Ratio Lower Upper

96 100

61 185.6 125.5 233.1

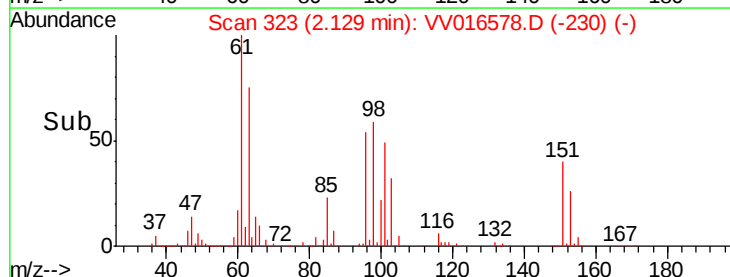
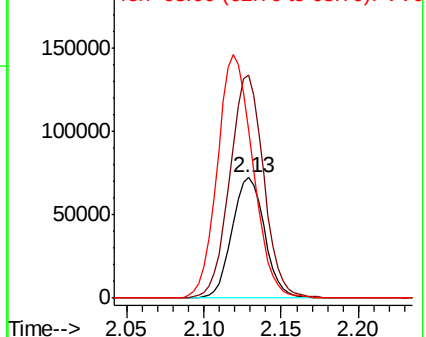
63 139.2 104.0 193.1

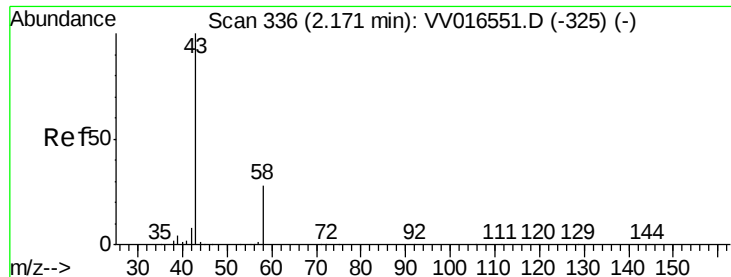


Abundance Ion 96.00 (95.70 to 96.70): VV016551.D (-311) (-)

Ion 61.00 (60.70 to 61.70): VV016551.D (-311) (-)

Ion 63.00 (62.70 to 63.70): VV016551.D (-311) (-)





#13

Acetone

Concen: 79.035 ug/L

RT: 2.17 min Scan# 336

Delta R.T. -0.00 min

Lab File: VV016578.D

Acq: 06 Jun 2020 10:18

Instrument :

MSVOA_V

ClientSampleId :

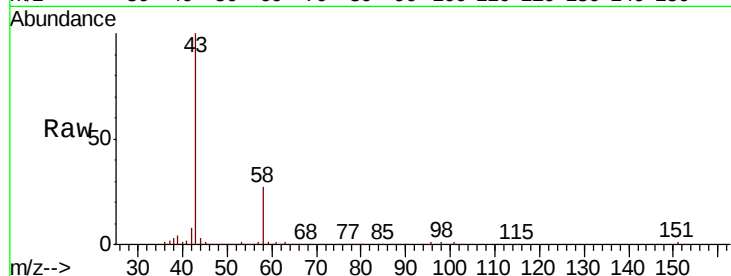
VSTD05069

Tot Ion: 43 Resp: 139028

Ion Ratio Lower Upper

43 100

58 27.5 0.0 57.2



Abundance Ion 43.00 (42.70 to 43.70): VV016551.D (-325) (-)

Ion 58.00 (57.70 to 58.70): VV016551.D (-325) (-)

2.17

100000

80000

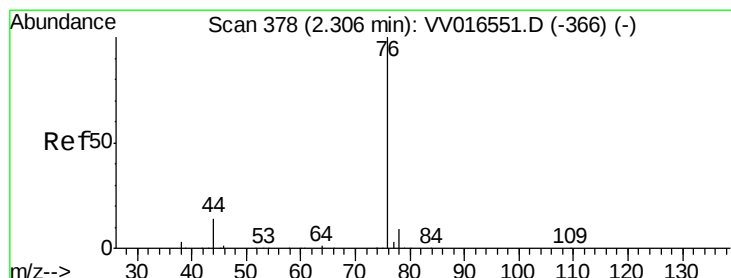
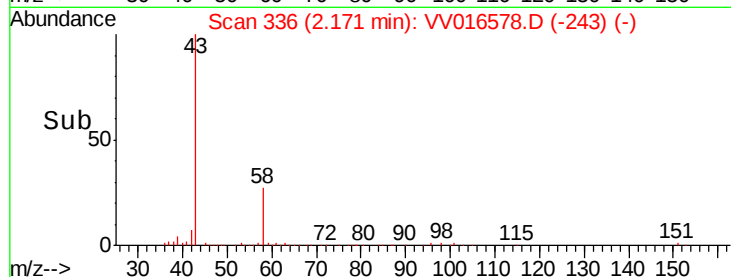
60000

40000

20000

0

Time--> 2.10 2.15 2.20 2.25



#14

Carbon disulfide

Concen: 46.815 ug/L

RT: 2.31 min Scan# 378

Delta R.T. -0.00 min

Lab File: VV016578.D

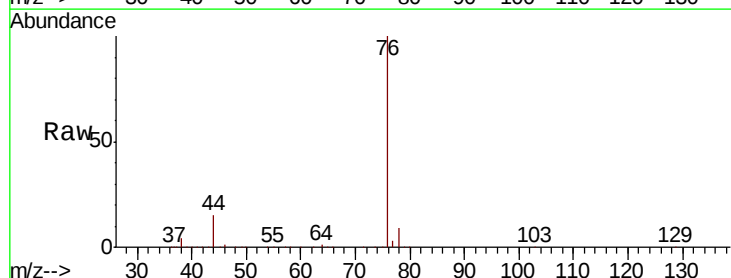
Acq: 06 Jun 2020 10:18

Tgt Ion: 76 Resp: 373955

Ion Ratio Lower Upper

76 100

78 9.2 7.6 11.4



Abundance Ion 76.00 (75.70 to 76.70): VV016551.D (-366) (-)

Ion 78.00 (77.70 to 78.70): VV016551.D (-366) (-)

2.31

300000

250000

200000

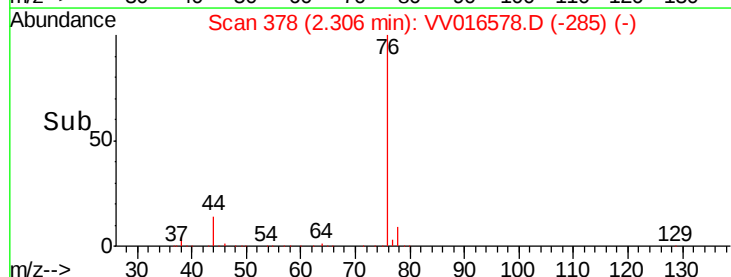
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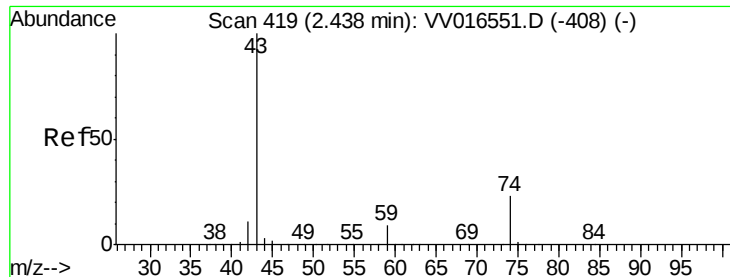
100000

50000

0

Time--> 2.25 2.30 2.35 2.40





#15

Methvl Acetate

Concen: 52.686 ug/L

RT: 2.44 min Scan# 419

Delta R.T. -0.00 min

Lab File: VV016578.D

Acq: 06 Jun 2020 10:18

Instrument :

MSVOA_V

ClientSampleId :

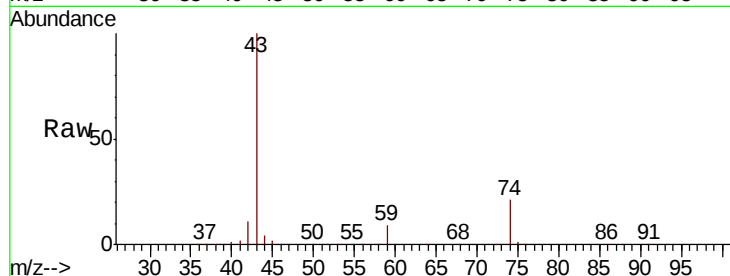
VSTD05069

Tot Ion: 43 Resp: 170342

Ion Ratio Lower Upper

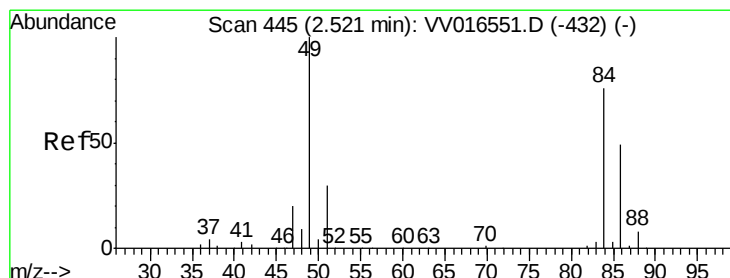
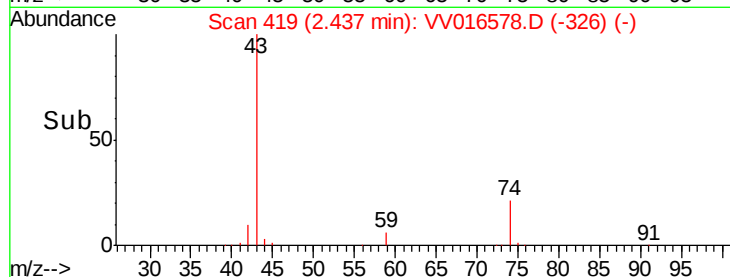
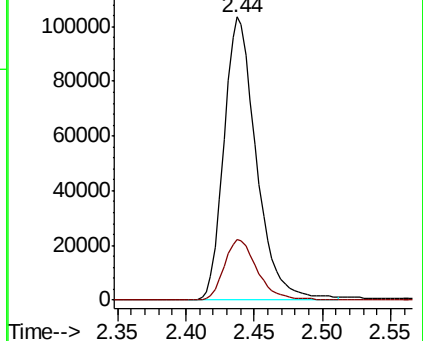
43 100

74 21.8 18.1 27.1



Abundance Ion 43.00 (42.70 to 43.70): VV0

Ion 74.00 (73.70 to 74.70): VV0



#16

Methylene chloride

Concen: 45.392 ug/L

RT: 2.52 min Scan# 445

Delta R.T. -0.00 min

Lab File: VV016578.D

Acq: 06 Jun 2020 10:18

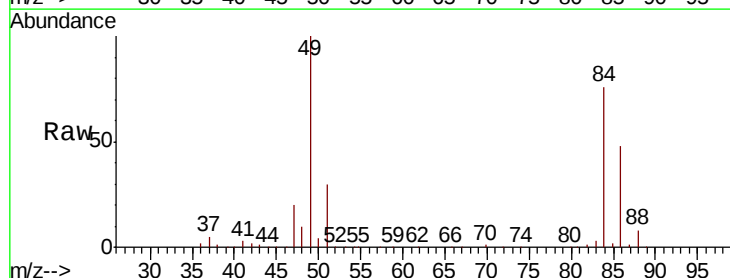
Tgt Ion: 84 Resp: 147648

Ion Ratio Lower Upper

84 100

86 63.3 45.1 83.9

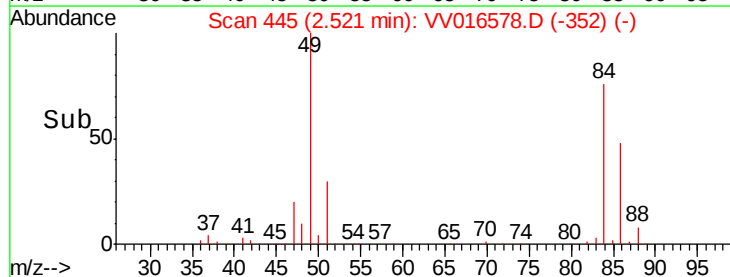
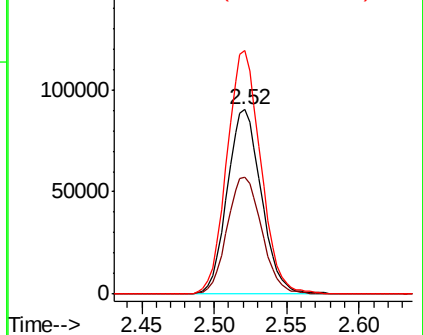
49 132.1 92.4 171.6

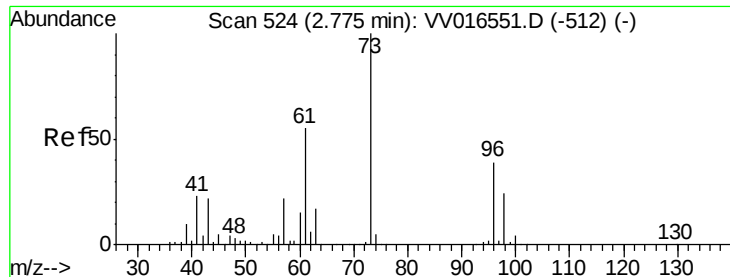


Abundance Ion 84.00 (83.70 to 84.70): VV0

Ion 86.00 (85.70 to 86.70): VV0

Ion 49.00 (48.70 to 49.70): VV0

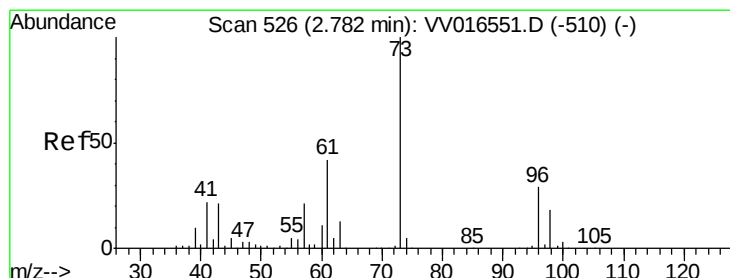
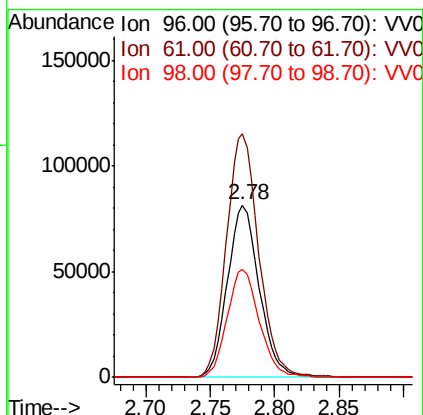
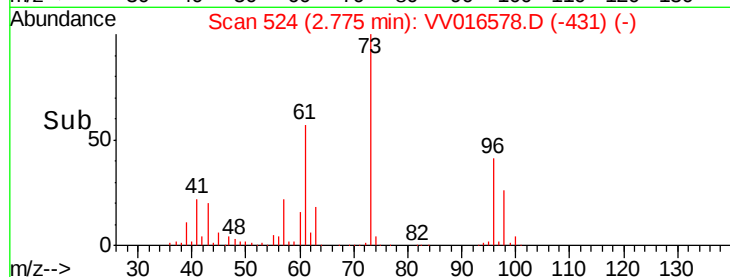
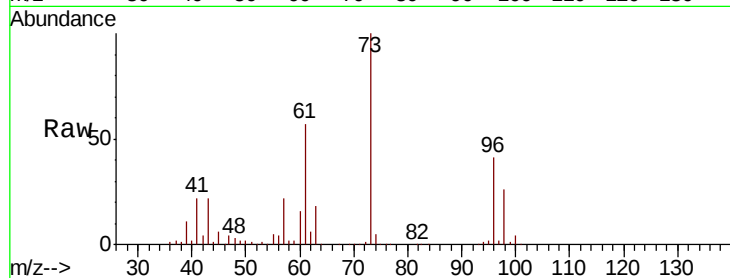




#17
trans-1,2-Dichloroethene
Concen: 48.001 ug/L
RT: 2.78 min Scan# 524
Delta R.T. -0.00 min
Lab File: VV016578.D
Acq: 06 Jun 2020 10:18

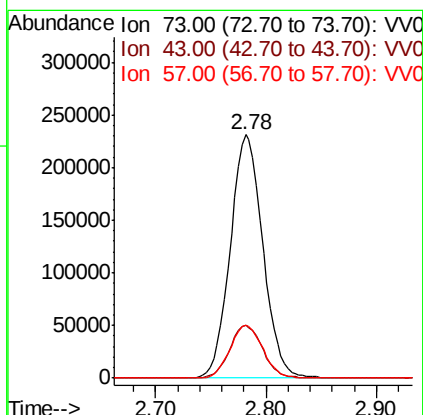
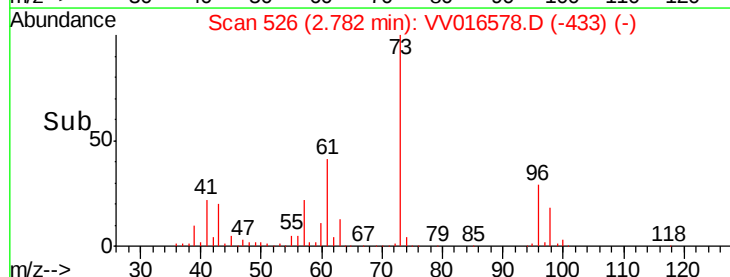
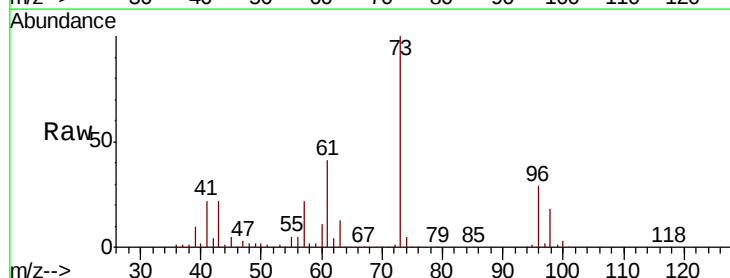
Instrument :
MSVOA_V
ClientSampleId :
VSTD05069

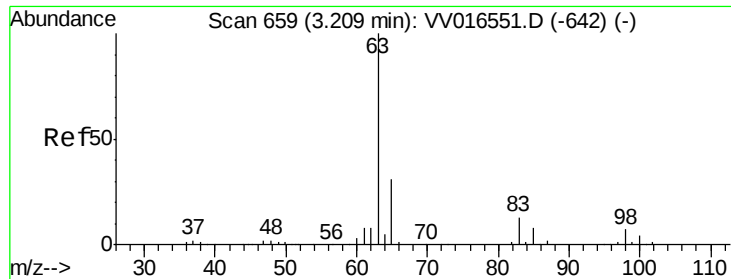
Tot Ion: 96 Resp: 139739
Ion Ratio Lower Upper
96 100
61 141.6 101.0 187.6
98 63.1 44.7 83.1



#18
Methyl tert-butyl Ether
Concen: 52.475 ug/L
RT: 2.78 min Scan# 526
Delta R.T. -0.00 min
Lab File: VV016578.D
Acq: 06 Jun 2020 10:18

Tgt Ion: 73 Resp: 472935
Ion Ratio Lower Upper
73 100
43 21.8 17.0 25.4
57 22.0 17.8 26.8

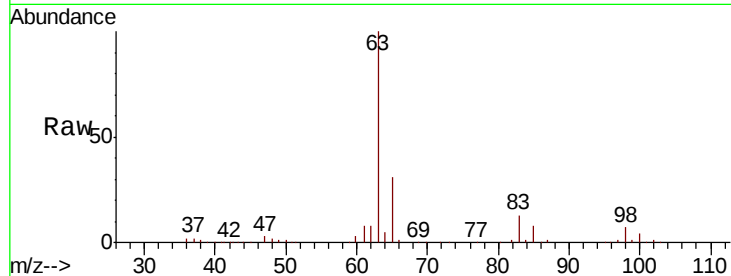




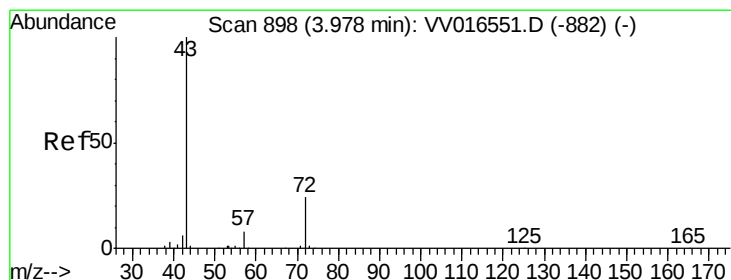
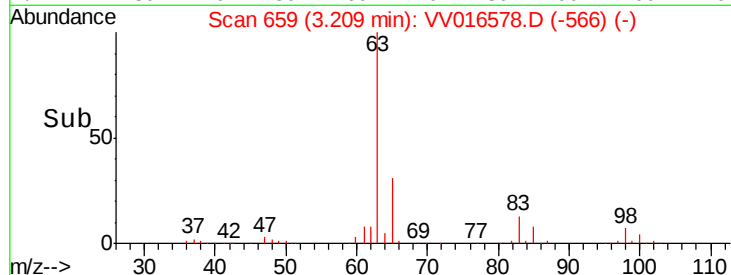
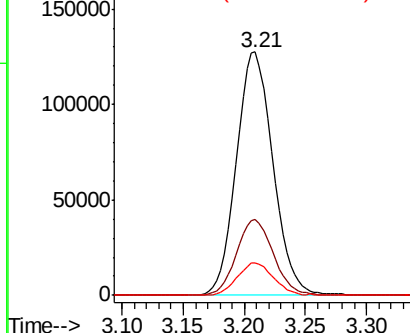
#19
 1,1-Dichloroethane
 Concen: 49.309 ug/L
 RT: 3.21 min Scan# 659
 Delta R.T. -0.00 min
 Lab File: VV016578.D
 Acq: 06 Jun 2020 10:18

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05069

Tot Ion: 63 Resp: 265477
 Ion Ratio Lower Upper
 63 100
 65 31.0 22.2 41.2
 83 13.4 9.1 16.9

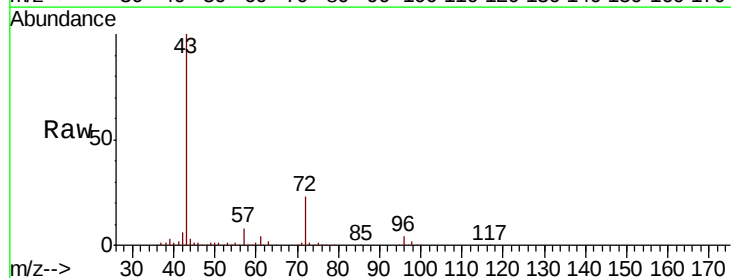


Abundance Ion 63.00 (62.70 to 63.70): VV0
 Ion 65.00 (64.70 to 65.70): VV0
 Ion 83.00 (82.70 to 83.70): VV0

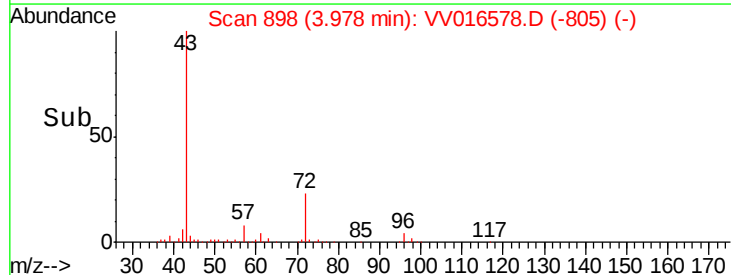
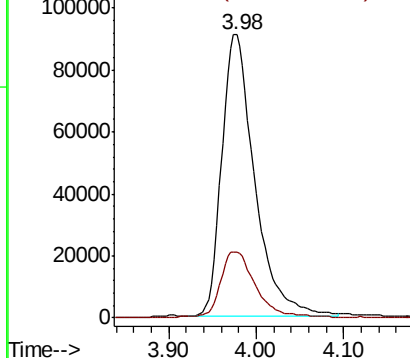


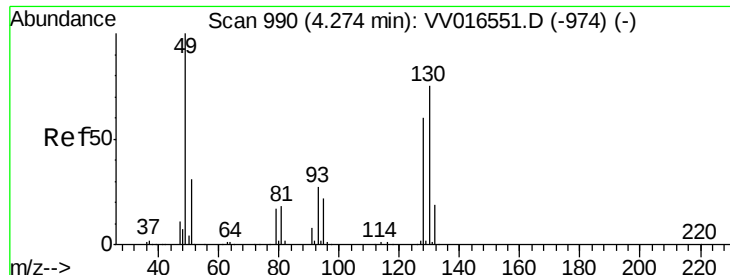
#22
 2-Butanone
 Concen: 108.825 ug/L
 RT: 3.98 min Scan# 898
 Delta R.T. -0.00 min
 Lab File: VV016578.D
 Acq: 06 Jun 2020 10:18

Tgt Ion: 43 Resp: 237548
 Ion Ratio Lower Upper
 43 100
 72 23.3 12.8 38.3



Abundance Ion 43.00 (42.70 to 43.70): VV0
 Ion 72.00 (71.70 to 72.70): VV0





#23

Bromochloromethane

Concen: 48.624 ug/L

RT: 4.27 min Scan# 989

Delta R.T. -0.00 min

Lab File: VV016578.D

Acq: 06 Jun 2020 10:18

Instrument :
MSVOA_V
ClientSampleId :
VSTD05069

Tot Ion:128 Resp: 78610

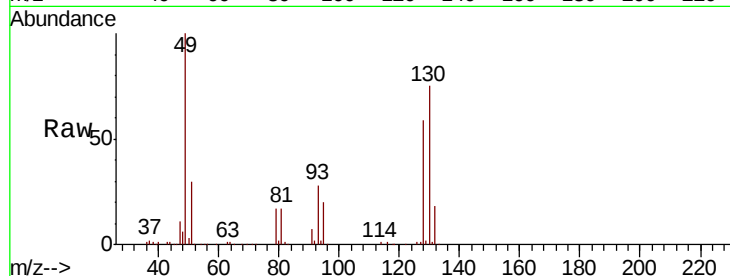
Ion Ratio Lower Upper

128 100

49 169.3 121.7 225.9

130 127.2 90.1 167.3

51 51.4 43.8 65.6

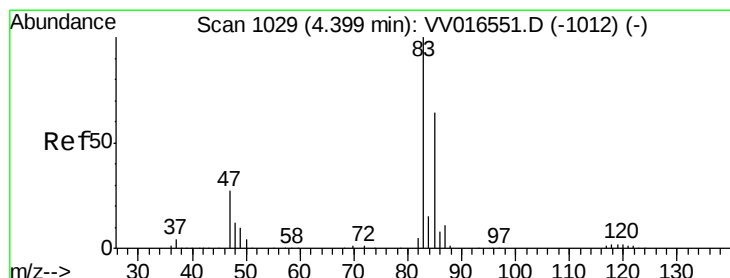
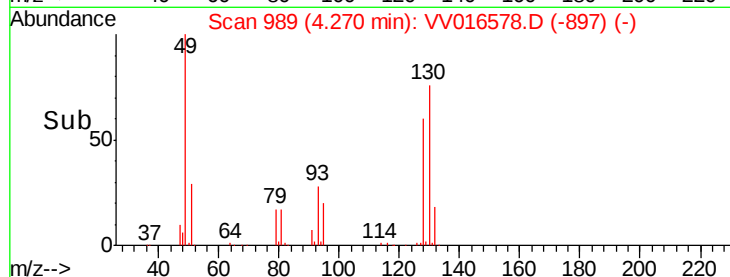
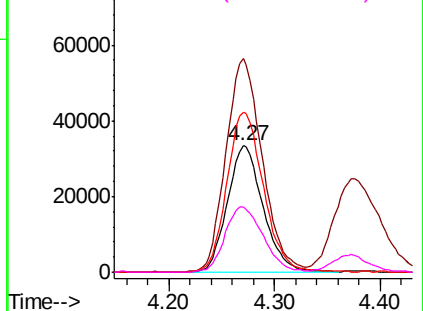


Abundance Ion 128.00 (127.70 to 128.70): V

Ion 49.00 (48.70 to 49.70): VV0

Ion 130.00 (129.70 to 130.70): V

Ion 51.00 (50.70 to 51.70): VV0



#25

Chloroform

Concen: 47.681 ug/L

RT: 4.40 min Scan# 1029

Delta R.T. -0.00 min

Lab File: VV016578.D

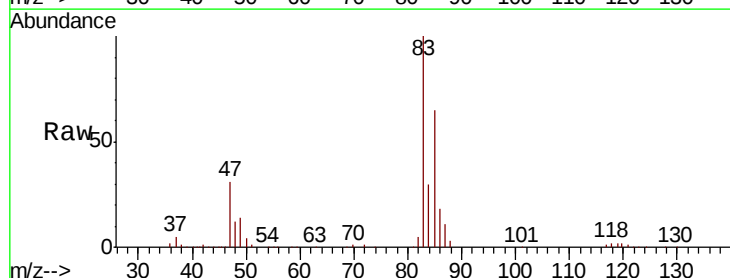
Acq: 06 Jun 2020 10:18

Tgt Ion: 83 Resp: 269068

Ion Ratio Lower Upper

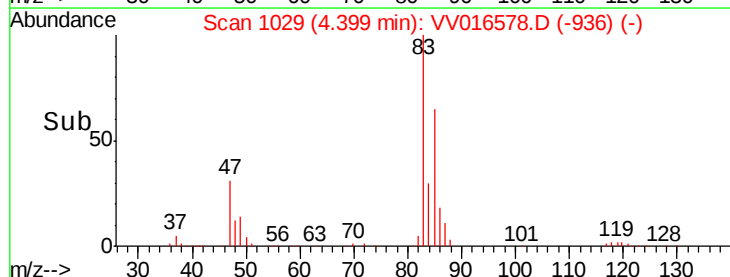
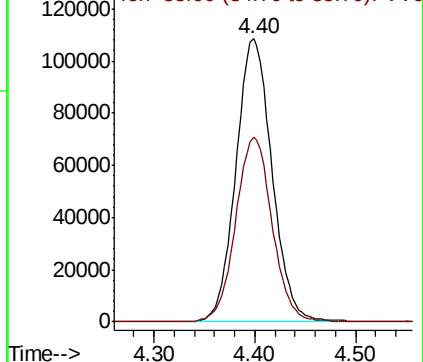
83 100

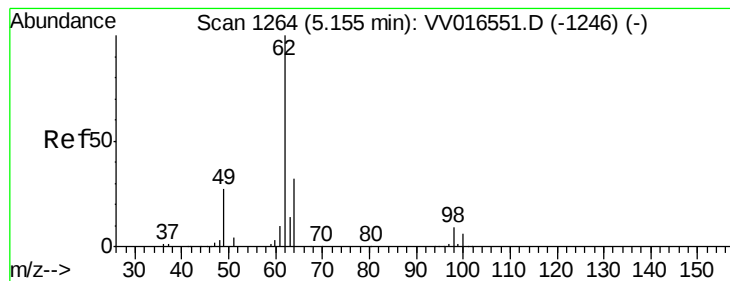
85 65.2 46.1 85.7



Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 85.00 (84.70 to 85.70): VV0





#27

1,2-Dichloroethane

Concen: 48.974 ug/L

RT: 5.15 min Scan# 1263

Delta R.T. -0.00 min

Lab File: VV016578.D

Acq: 06 Jun 2020 10:18

Instrument :

MSVOA_V

ClientSampleId :

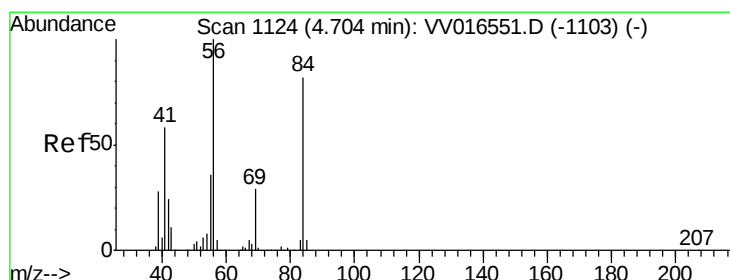
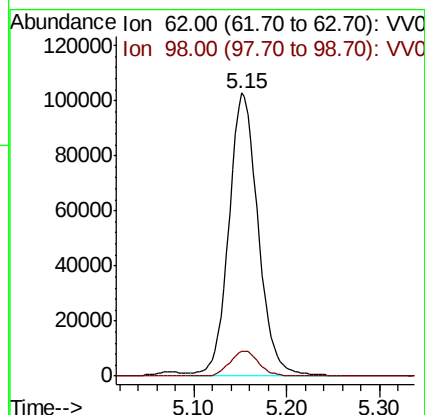
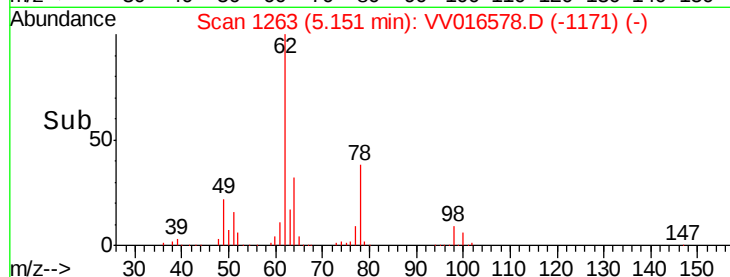
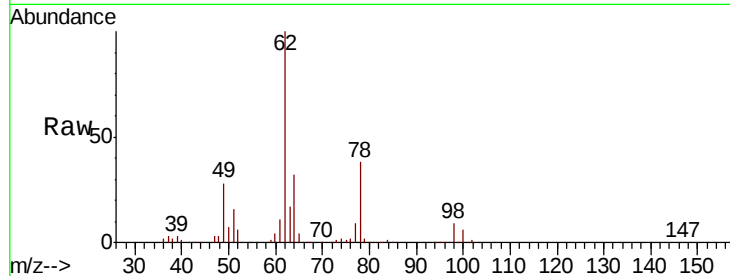
VSTD05069

Tot Ion: 62 Resp: 224559

Ion Ratio Lower Upper

62 100

98 8.9 6.9 10.3



#29

Cyclohexane

Concen: 53.830 ug/L

RT: 4.70 min Scan# 1123

Delta R.T. -0.00 min

Lab File: VV016578.D

Acq: 06 Jun 2020 10:18

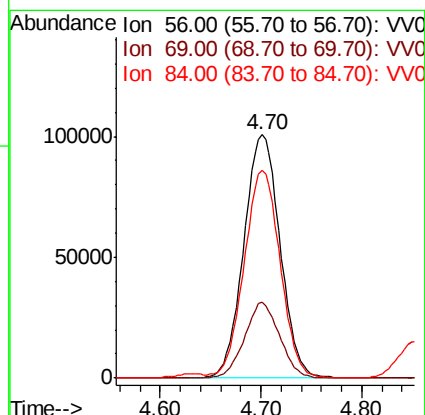
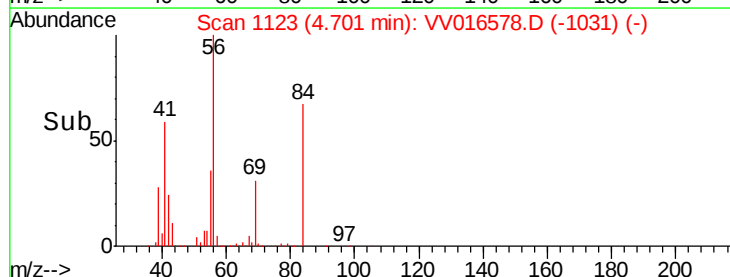
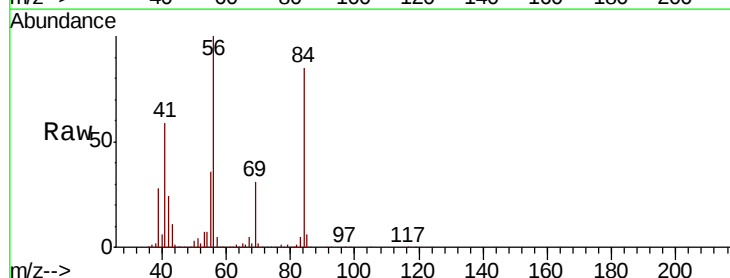
Tgt Ion: 56 Resp: 249852

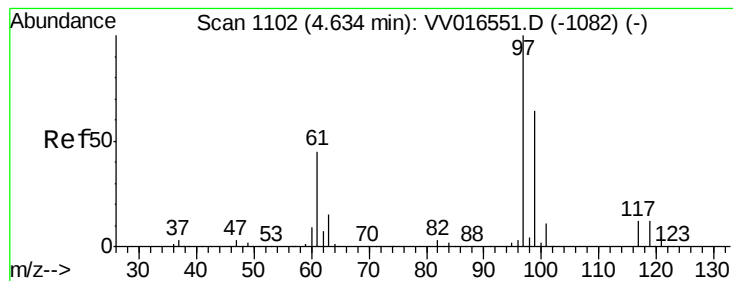
Ion Ratio Lower Upper

56 100

69 30.2 23.9 35.9

84 85.1 68.2 102.2





#30

1,1,1-Trichloroethane

Concen: 51.445 ug/L

RT: 4.63 min Scan# 1101

Delta R.T. -0.00 min

Lab File: VV016578.D

Acq: 06 Jun 2020 10:18

Instrument :

MSVOA_V

ClientSampleId :

VSTD05069

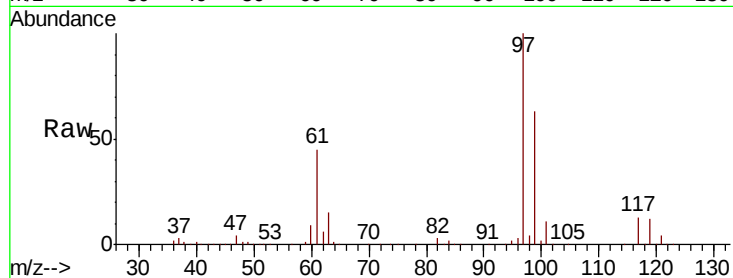
Tot Ion: 97 Resp: 245191

Ion Ratio Lower Upper

97 100

99 63.9 51.8 77.8

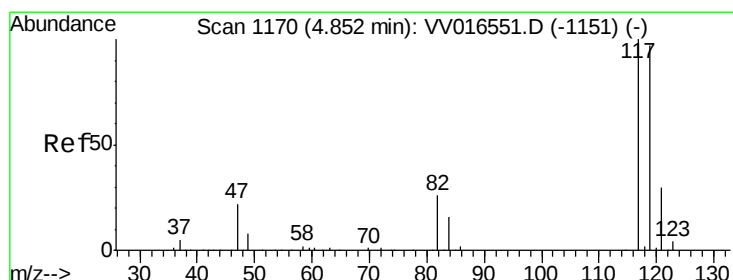
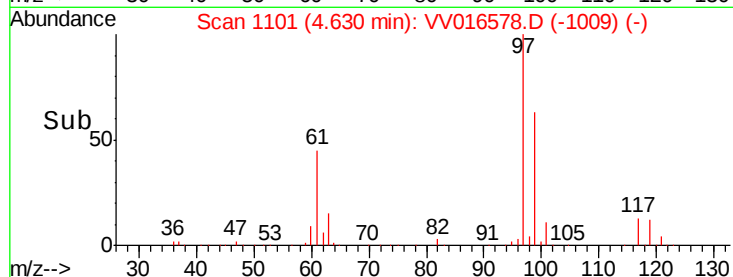
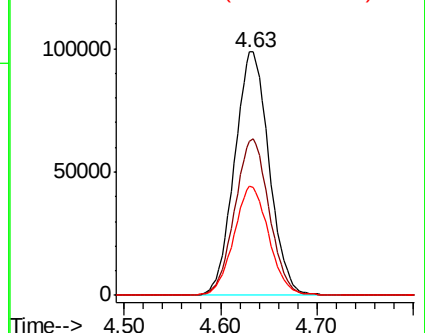
61 45.5 37.4 56.0



Abundance Ion 97.00 (96.70 to 97.70): VV016551.D (-1082) (-)

Ion 99.00 (98.70 to 99.70): VV016551.D (-1082) (-)

Ion 61.05 (60.75 to 61.75): VV016551.D (-1082) (-)



#31

Carbon tetrachloride

Concen: 51.571 ug/L

RT: 4.85 min Scan# 1170

Delta R.T. -0.00 min

Lab File: VV016578.D

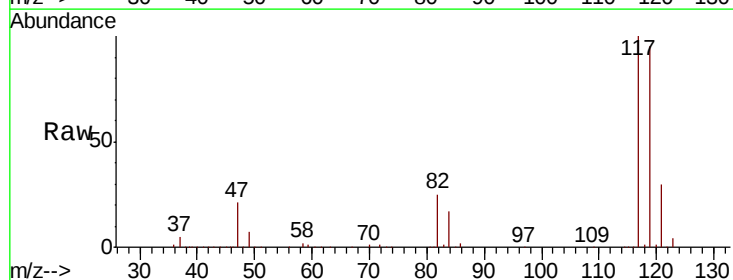
Acq: 06 Jun 2020 10:18

Tgt Ion: 117 Resp: 211389

Ion Ratio Lower Upper

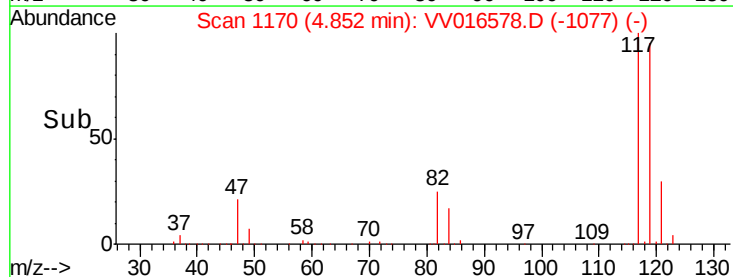
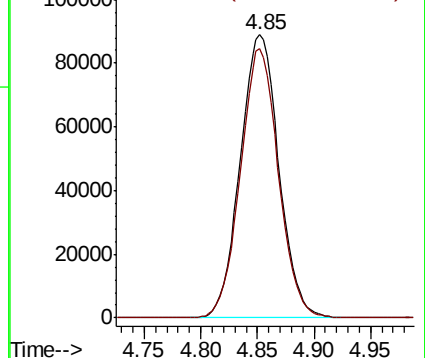
117 100

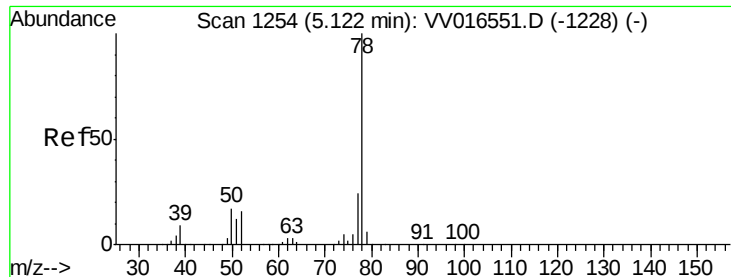
119 93.5 77.8 116.6



Abundance Ion 117.00 (116.70 to 117.70): VV016551.D (-1151) (-)

Ion 119.00 (118.70 to 119.70): VV016551.D (-1151) (-)





#33

Benzene

Concen: 50.813 ug/L

RT: 5.12 min Scan# 1254

Delta R.T. -0.00 min

Lab File: VV016578.D

Acq: 06 Jun 2020 10:18

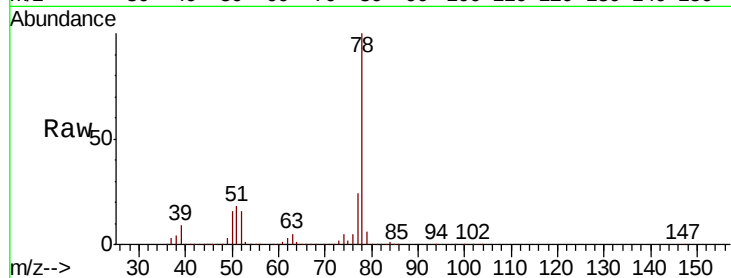
Instrument :

MSVOA_V

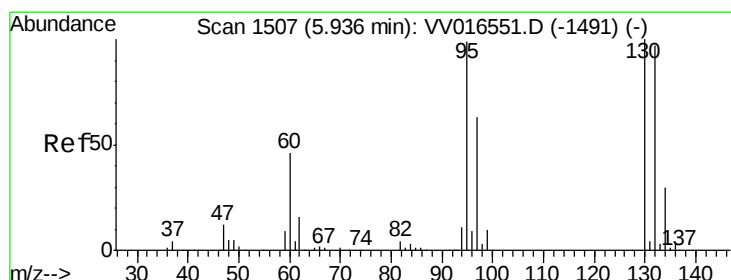
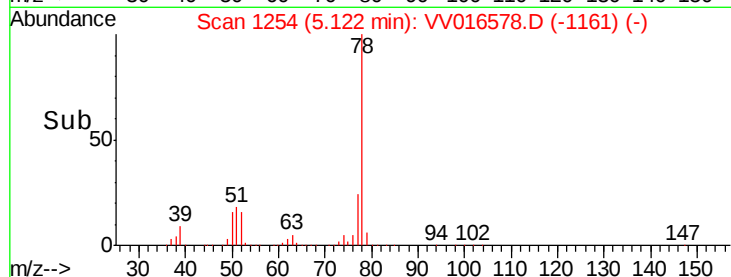
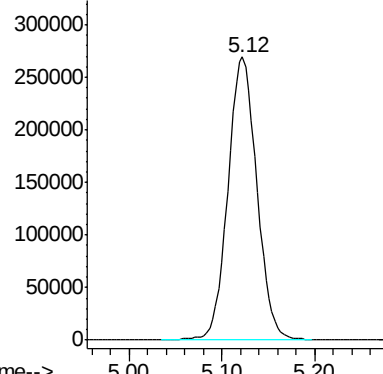
ClientSampleId :

VSTD05069

Tgt Ion: 78 Resp: 584425



Abundance Ion 78.00 (77.70 to 78.70): VV0



#34

Trichloroethene

Concen: 49.740 ug/L

RT: 5.94 min Scan# 1507

Delta R.T. -0.00 min

Lab File: VV016578.D

Acq: 06 Jun 2020 10:18

Tgt Ion: 95 Resp: 150110

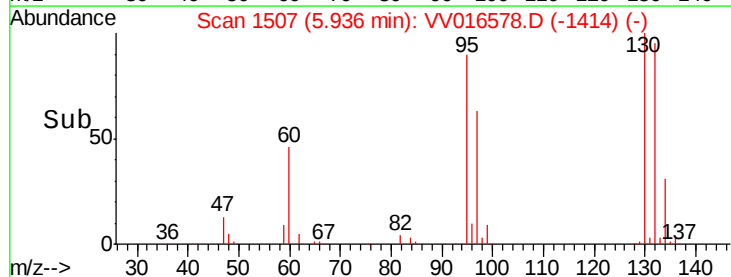
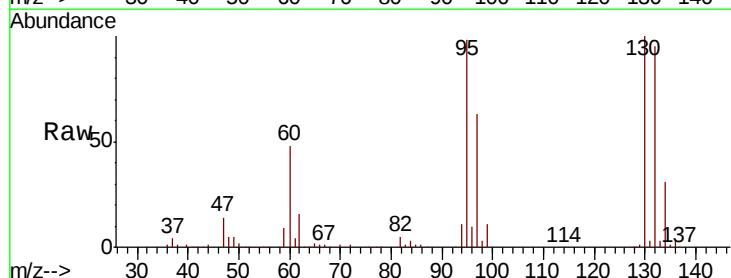
Ion	Ratio	Lower	Upper
95	100		
97	63.7	42.8	79.6
132	96.7	65.6	121.8
130	101.5	69.0	128.1

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): V

Ion 130.00 (129.70 to 130.70): V

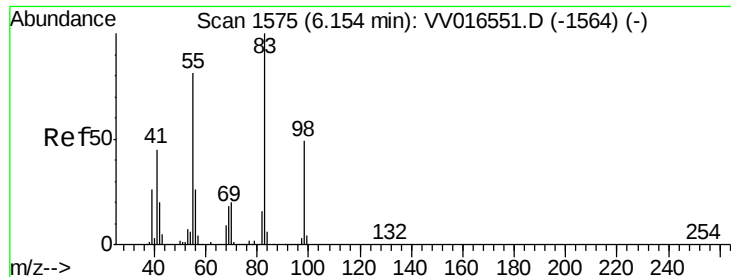


Abundance Ion 95.00 (94.70 to 95.70): VV0

Ion 97.00 (96.70 to 97.70): VV0

Ion 132.00 (131.70 to 132.70): V

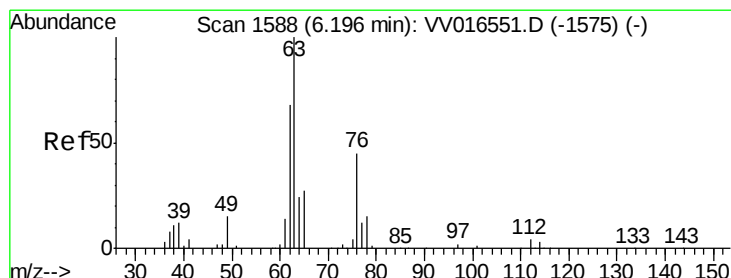
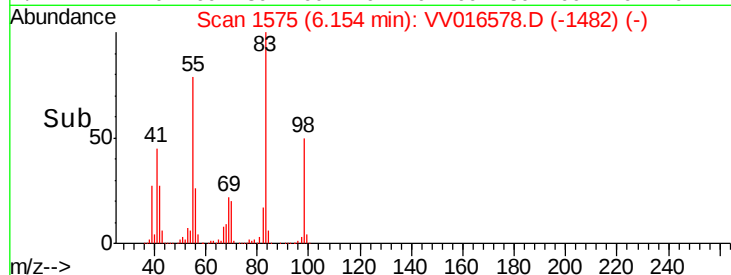
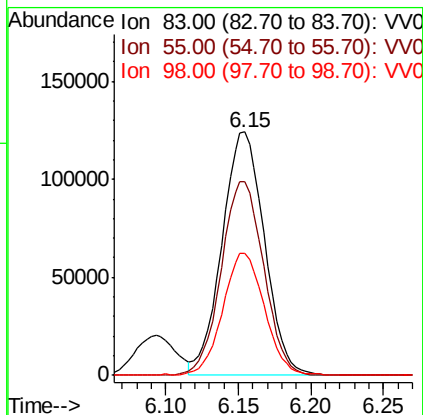
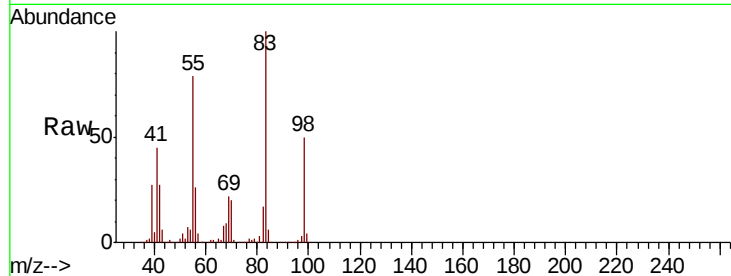
Ion 130.00 (129.70 to 130.70): V



#35
Methvlcvclohexane
Concen: 58.314 ug/L
RT: 6.15 min Scan# 1575
Delta R.T. -0.00 min
Lab File: VV016578.D
Acq: 06 Jun 2020 10:18

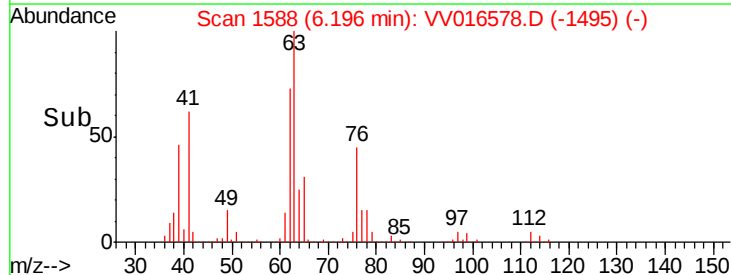
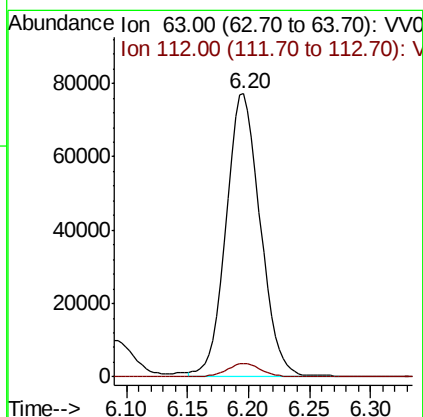
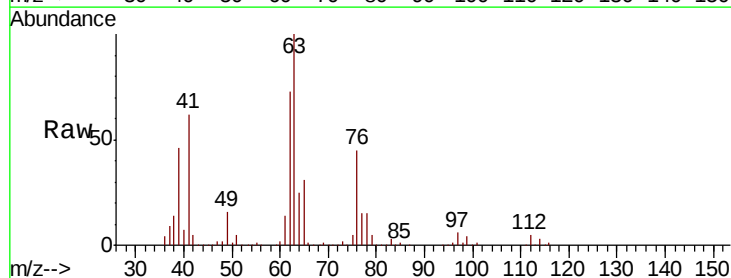
Instrument :
MSVOA_V
ClientSampleId :
VSTD05069

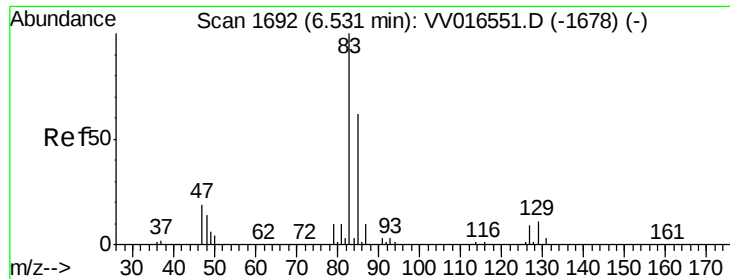
Tot Ion: 83 Resp: 252610
Ion Ratio Lower Upper
83 100
55 79.6 63.4 95.0
98 49.4 39.4 59.0



#37
1,2-Dichloropropane
Concen: 50.099 ug/L
RT: 6.20 min Scan# 1588
Delta R.T. -0.00 min
Lab File: VV016578.D
Acq: 06 Jun 2020 10:18

Tgt Ion: 63 Resp: 150189
Ion Ratio Lower Upper
63 100
112 4.9 3.9 5.9





#38

Bromodichloromethane

Concen: 50.723 ug/L

RT: 6.53 min Scan# 1692

Delta R.T. -0.00 min

Lab File: VV016578.D

Acq: 06 Jun 2020 10:18

Instrument :

MSVOA_V

ClientSampleId :

VSTD05069

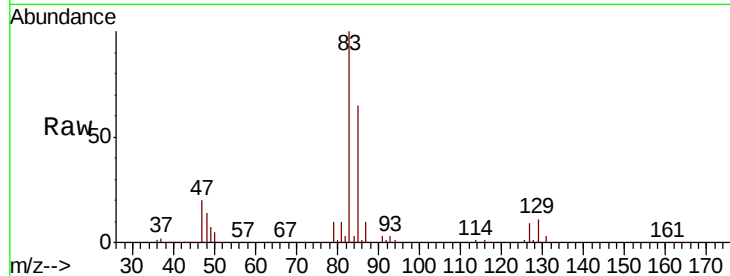
Tot Ion: 83 Resp: 195378

Ion Ratio Lower Upper

83 100

85 64.7 44.4 82.5

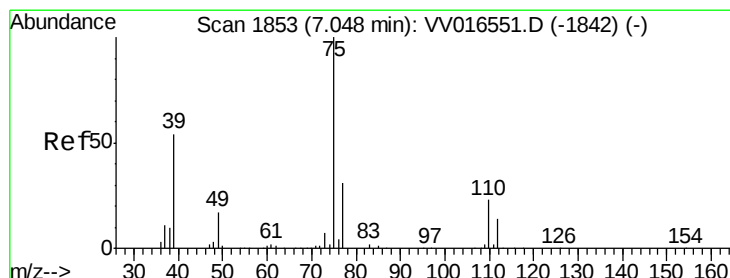
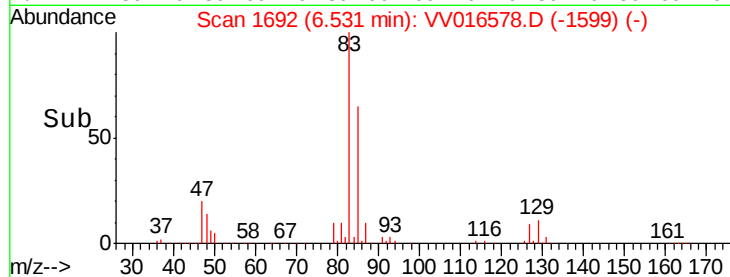
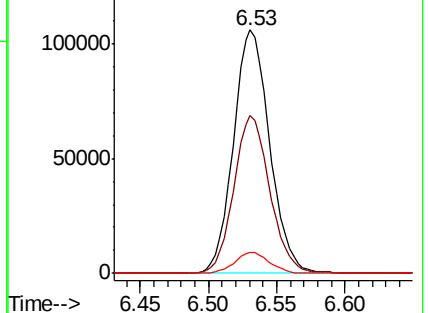
127 8.5 7.1 10.7



Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 127.00 (126.70 to 127.70): VV0



#39

cis-1,3-Dichloropropene

Concen: 55.340 ug/L

RT: 7.05 min Scan# 1853

Delta R.T. -0.00 min

Lab File: VV016578.D

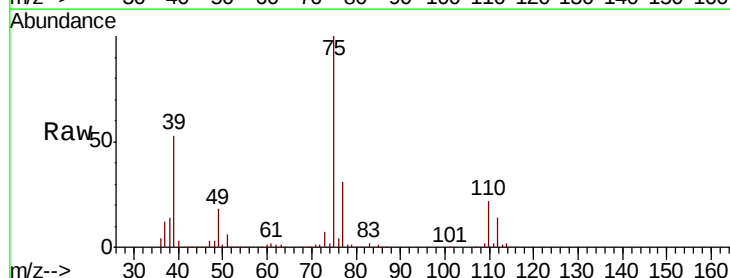
Acq: 06 Jun 2020 10:18

Tgt Ion: 75 Resp: 241894

Ion Ratio Lower Upper

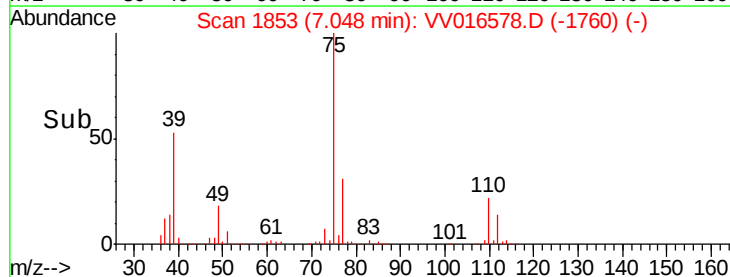
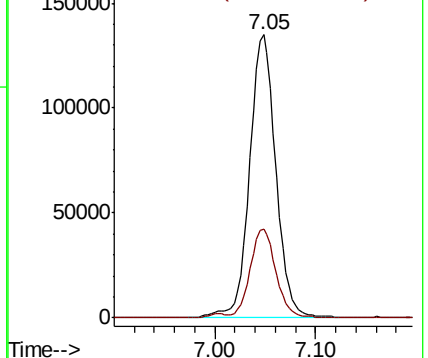
75 100

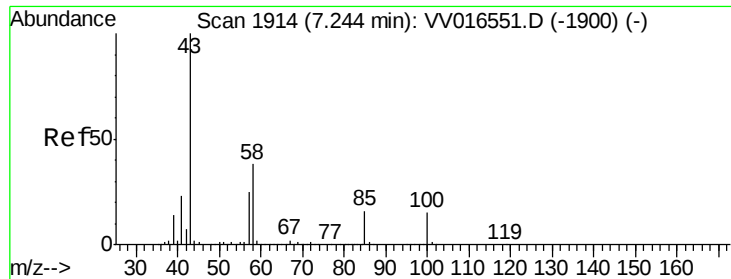
77 31.4 22.0 41.0



Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 77.00 (76.70 to 77.70): VV0

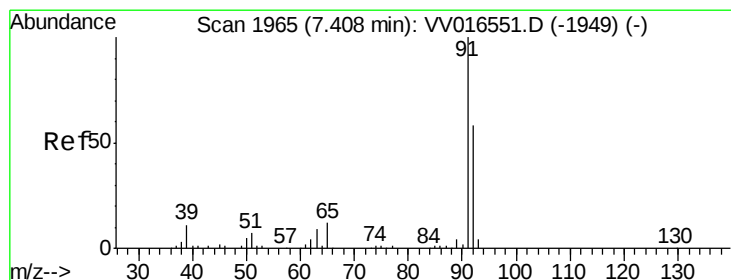
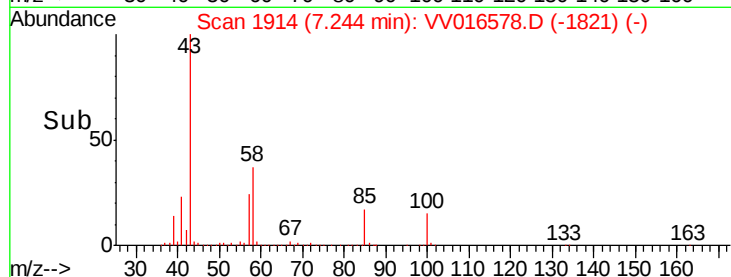
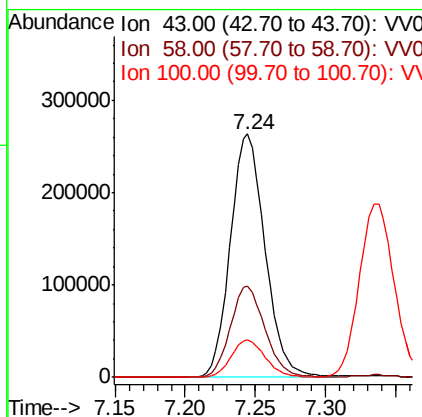
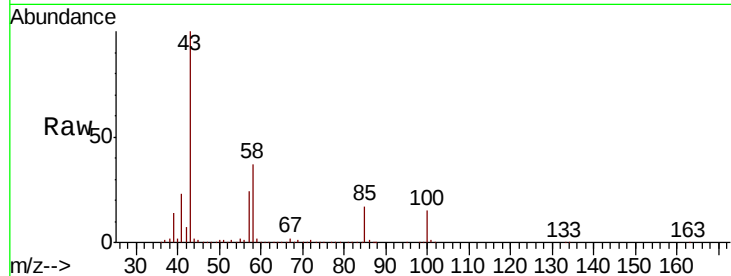




#40
4-Methyl-2-pentanone
Concen: 110.097 ug/L
RT: 7.24 min Scan# 1914
Delta R.T. -0.00 min
Lab File: VV016578.D
Acq: 06 Jun 2020 10:18

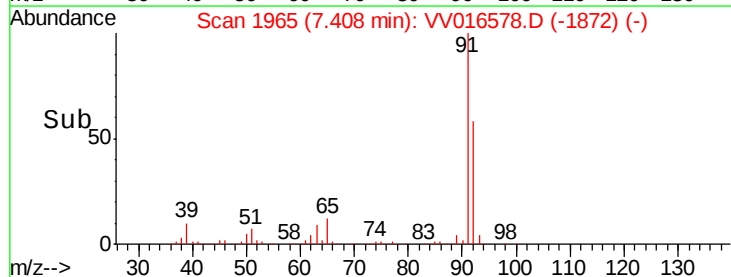
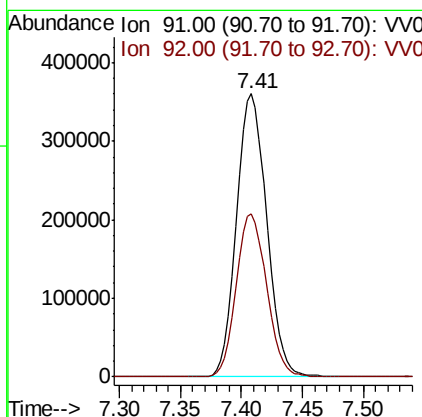
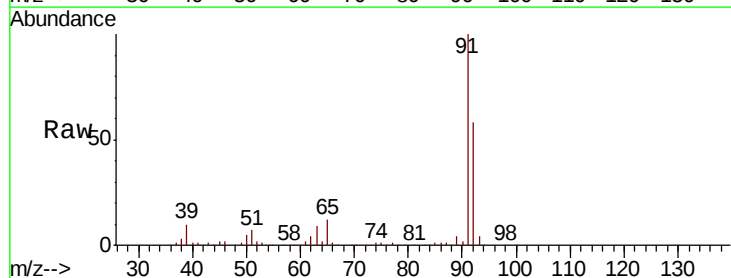
Instrument :
MSVOA_V
ClientSampleId :
VSTD05069

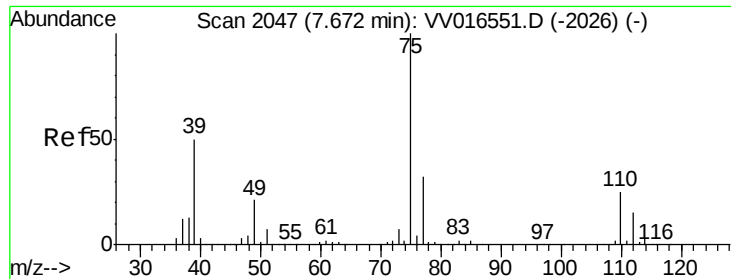
Tot Ion: 43 Resp: 454145
Ion Ratio Lower Upper
43 100
58 37.3 29.9 44.9
100 15.3 11.9 17.9



#42
Toluene
Concen: 50.697 ug/L
RT: 7.41 min Scan# 1965
Delta R.T. -0.00 min
Lab File: VV016578.D
Acq: 06 Jun 2020 10:18

Tgt Ion: 91 Resp: 617862
Ion Ratio Lower Upper
91 100
92 57.7 40.9 75.9





#44

trans-1,3-Dichloropropene

Concen: 54.465 ug/L

RT: 7.67 min Scan# 2046

Delta R.T. -0.00 min

Lab File: VV016578.D

Acq: 06 Jun 2020 10:18

Instrument :

MSVOA_V

ClientSampleId :

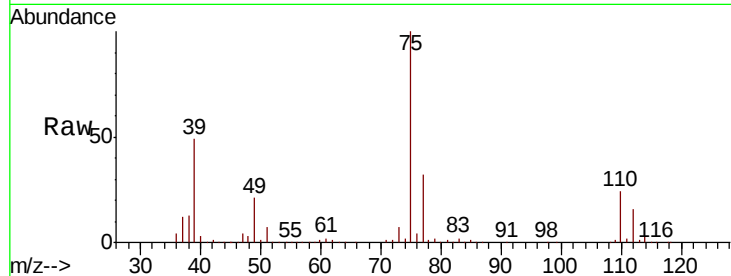
VSTD05069

Tot Ion: 75 Resp: 233579

Ion Ratio Lower Upper

75 100

77 31.9 22.2 41.2



Abundance Ion 75.00 (74.70 to 75.70): VV016551.D (-2026) (-)

Ion 77.00 (76.70 to 77.70): VV016551.D (-2026) (-)

7.67

150000

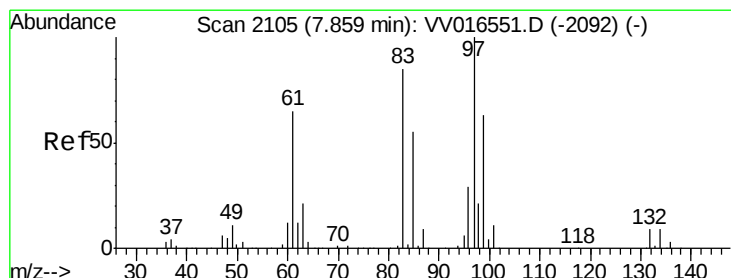
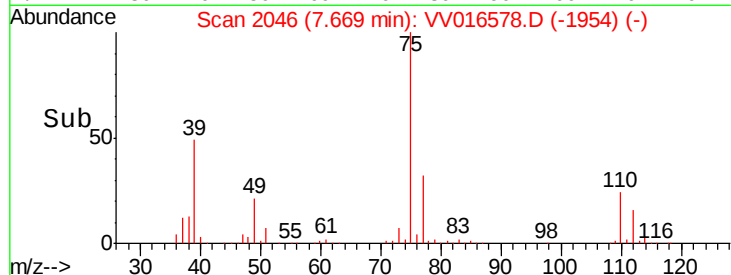
100000

50000

0

7.60 7.70 7.80

Time-->



#45

1,1,2-Trichloroethane

Concen: 49.847 ug/L

RT: 7.86 min Scan# 2105

Delta R.T. -0.00 min

Lab File: VV016578.D

Acq: 06 Jun 2020 10:18

Tgt Ion: 97 Resp: 144494

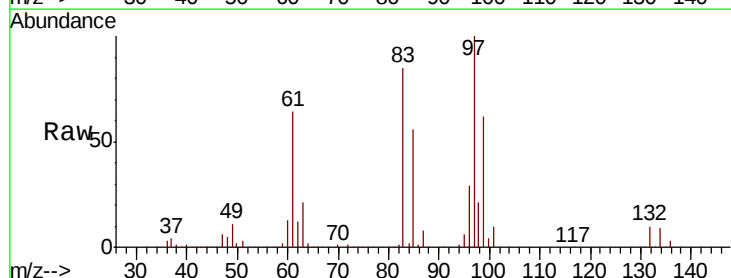
Ion Ratio Lower Upper

97 100

99 62.2 42.9 79.7

83 85.1 59.3 110.1

85 55.7 37.5 69.7



Abundance Ion 97.00 (96.70 to 97.70): VV016551.D (-2092) (-)

Ion 99.00 (98.70 to 99.70): VV016551.D (-2092) (-)

Ion 83.00 (82.70 to 83.70): VV016551.D (-2092) (-)

Ion 85.00 (84.70 to 85.70): VV016551.D (-2092) (-)

7.86

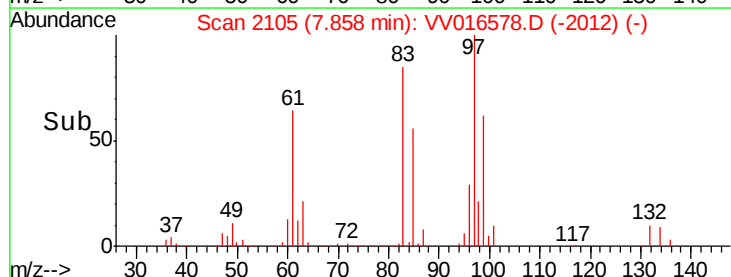
100000

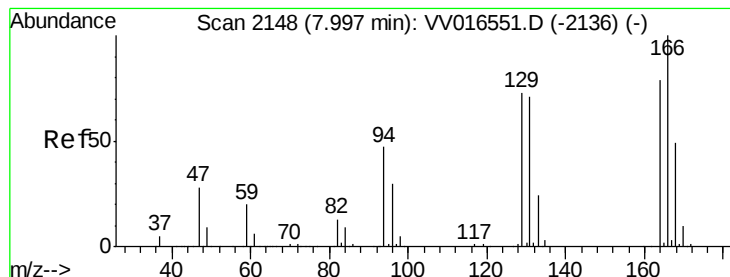
50000

0

7.80 7.85 7.90 7.95

Time-->





#46

Tetrachloroethene

Concen: 51.938 ug/L

RT: 8.00 min Scan# 2148

Delta R.T. -0.00 min

Lab File: VV016578.D

Acq: 06 Jun 2020 10:18

Instrument :

MSVOA_V

ClientSampleId :

VSTD05069

Tot Ion:164 Resp: 120853

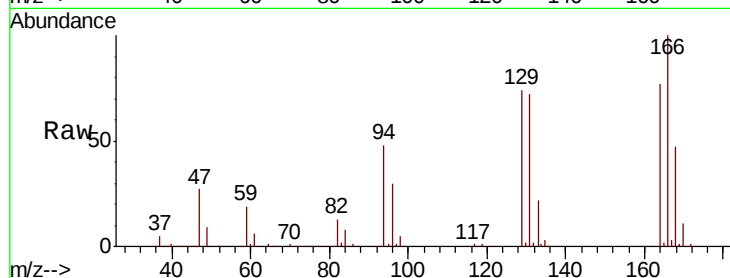
Ion Ratio Lower Upper

164 100

129 95.8 67.7 125.7

131 93.1 63.8 118.6

166 129.8 88.7 164.7

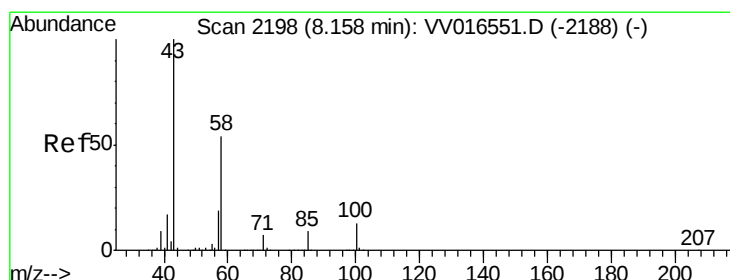
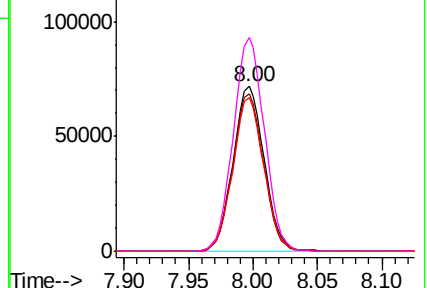
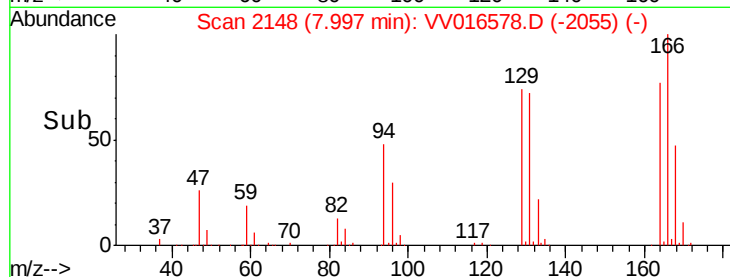


Abundance Ion 164.00 (163.70 to 164.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V

Ion 166.00 (165.70 to 166.70): V



#48

2-Hexanone

Concen: 109.067 ug/L

RT: 8.16 min Scan# 2198

Delta R.T. -0.00 min

Lab File: VV016578.D

Acq: 06 Jun 2020 10:18

Tgt Ion: 43 Resp: 349762

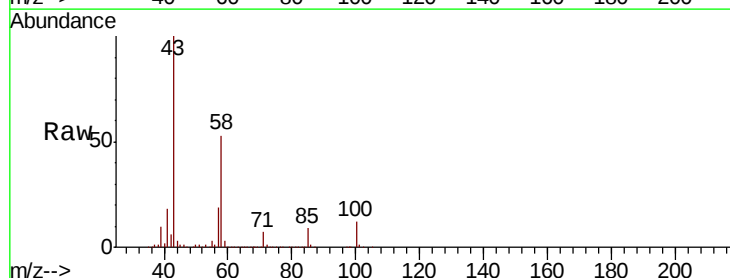
Ion Ratio Lower Upper

43 100

58 52.5 42.7 64.1

57 18.7 14.5 21.7

100 12.2 9.4 14.2

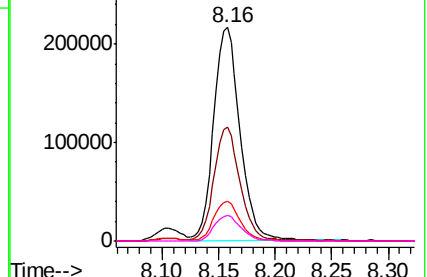
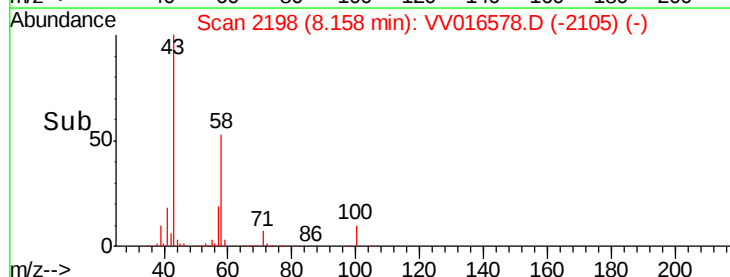


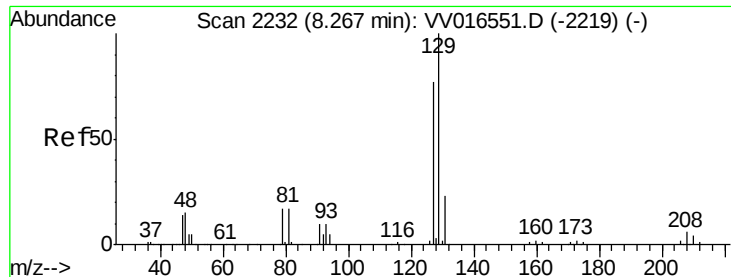
Abundance Ion 43.00 (42.70 to 43.70): VV0

Ion 58.00 (57.70 to 58.70): VV0

Ion 57.00 (56.70 to 57.70): VV0

Ion 100.00 (99.70 to 100.70): VV0





#49

Dibromochloromethane

Concen: 53.985 ug/L

RT: 8.27 min Scan# 2232

Delta R.T. -0.00 min

Lab File: VV016578.D

Acq: 06 Jun 2020 10:18

Instrument :

MSVOA_V

ClientSampleId :

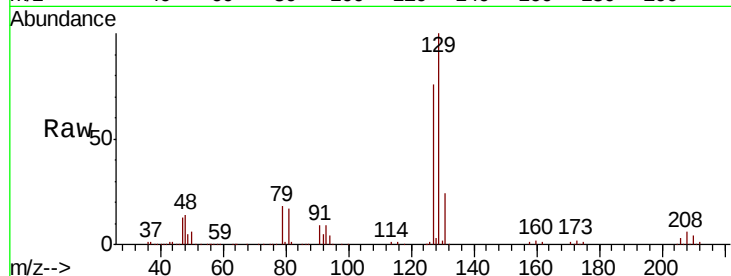
VSTD05069

Tot Ion:129 Resp: 152134

Ion Ratio Lower Upper

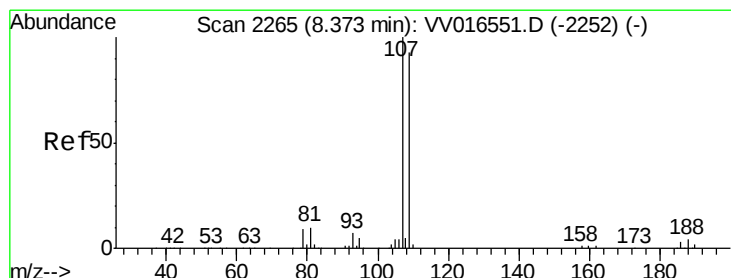
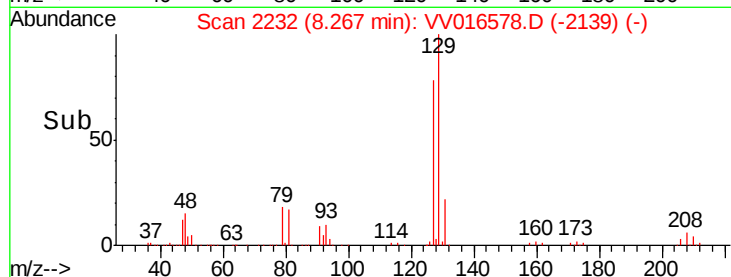
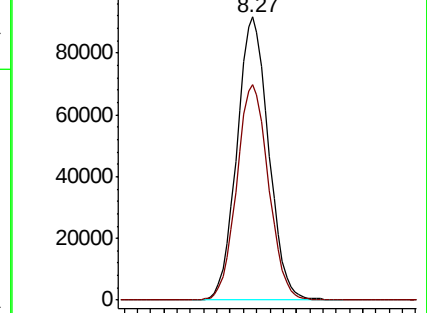
129 100

127 76.2 54.6 101.4



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#50

1,2-Dibromoethane

Concen: 50.184 ug/L

RT: 8.37 min Scan# 2265

Delta R.T. -0.00 min

Lab File: VV016578.D

Acq: 06 Jun 2020 10:18

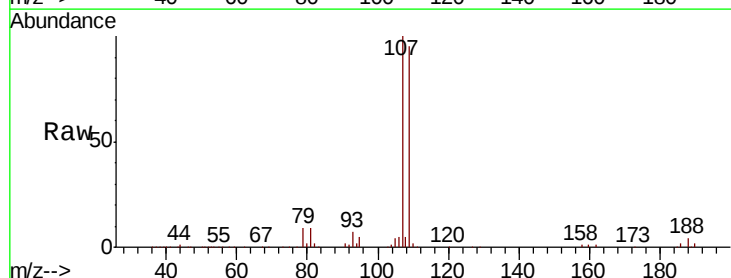
Tgt Ion:107 Resp: 153881

Ion Ratio Lower Upper

107 100

109 95.4 65.9 122.3

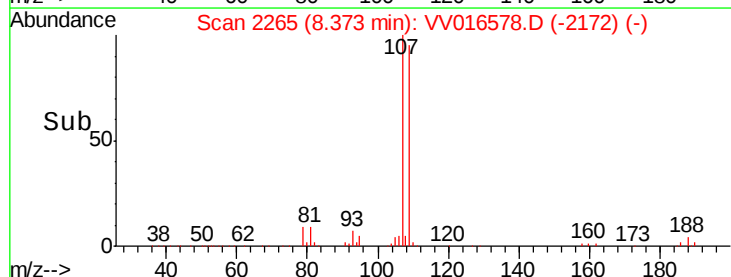
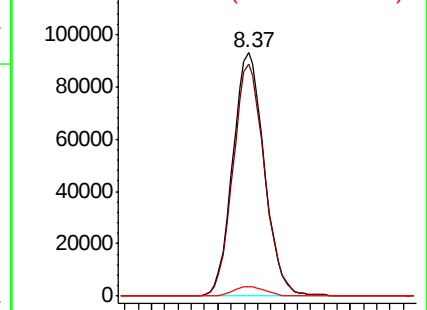
188 4.0 2.8 4.2

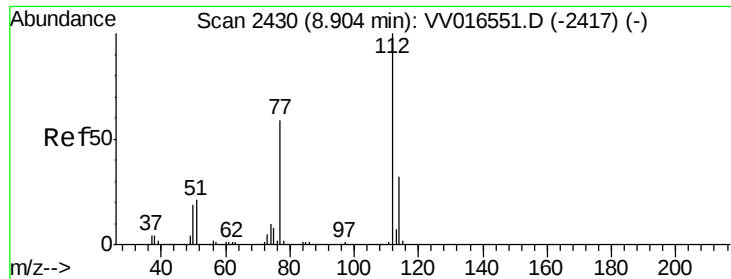


Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

Ion 188.00 (187.70 to 188.70): V

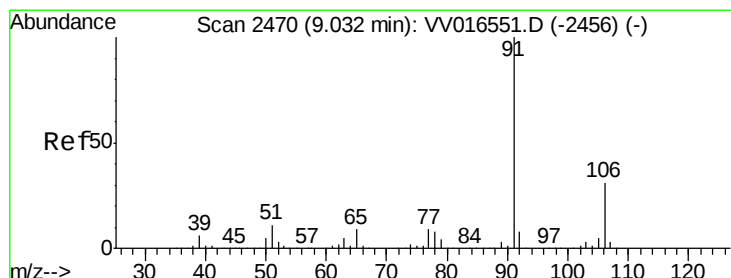
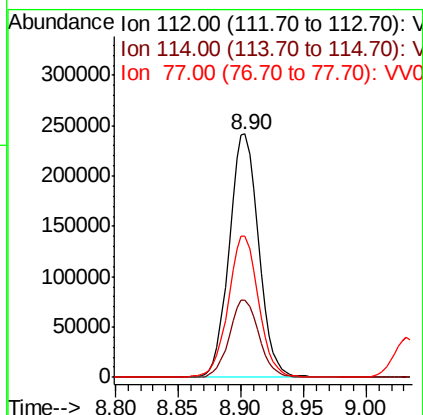
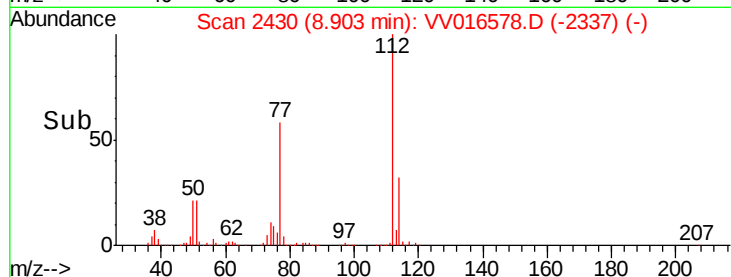
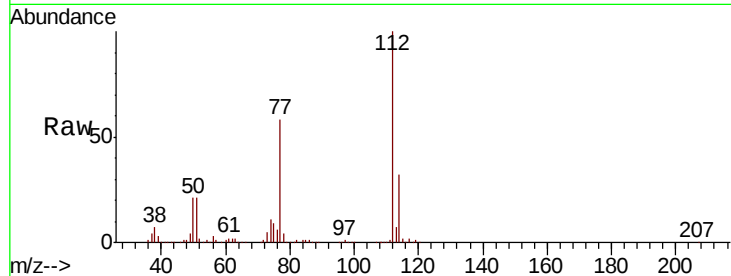




#51
Chlorobenzene
Concen: 49.286 ug/L
RT: 8.90 min Scan# 2430
Delta R.T. -0.00 min
Lab File: VV016578.D
Acq: 06 Jun 2020 10:18

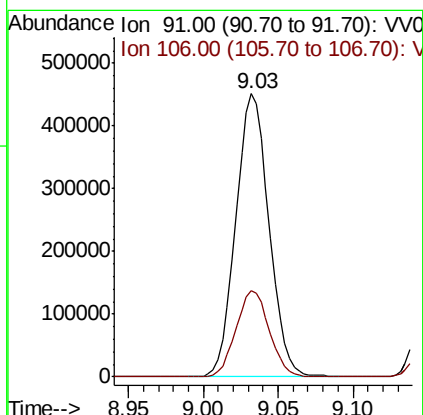
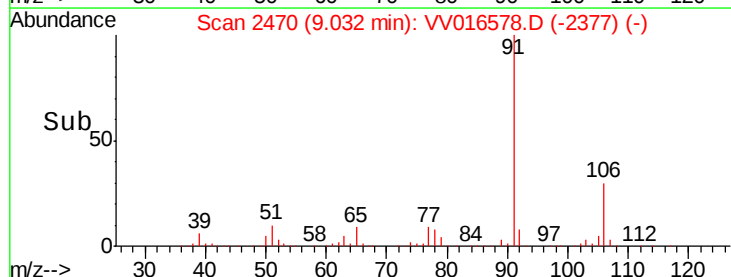
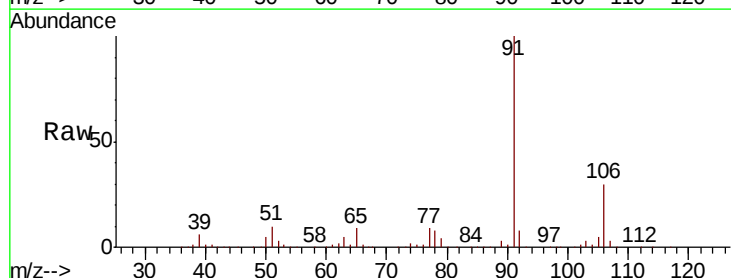
Instrument :
MSVOA_V
ClientSampleId :
VSTD05069

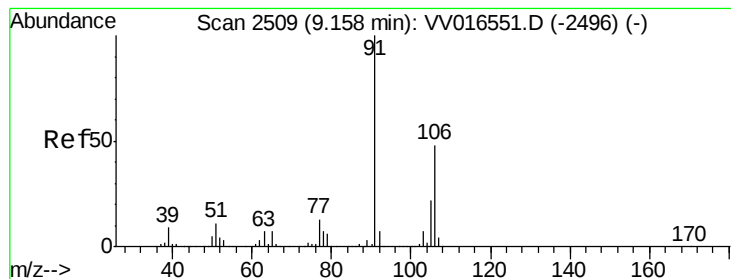
Tot Ion:112 Resp: 394778
Ion Ratio Lower Upper
112 100
114 31.9 22.7 42.1
77 58.0 47.4 71.2



#52
Ethylbenzene
Concen: 52.539 ug/L
RT: 9.03 min Scan# 2470
Delta R.T. -0.00 min
Lab File: VV016578.D
Acq: 06 Jun 2020 10:18

Tgt Ion: 91 Resp: 696908
Ion Ratio Lower Upper
91 100
106 30.5 21.8 40.4





#53

m,p-Xylene

Concen: 52.766 ug/L

RT: 9.16 min Scan# 2509

Delta R.T. -0.00 min

Lab File: VV016578.D

Acq: 06 Jun 2020 10:18

Instrument :

MSVOA_V

ClientSampleId :

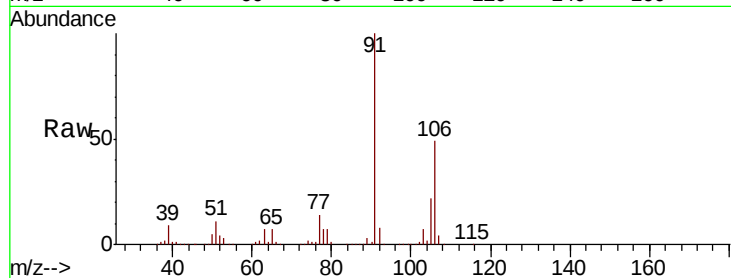
VSTD05069

Tot Ion:106 Resp: 263918

Ion Ratio Lower Upper

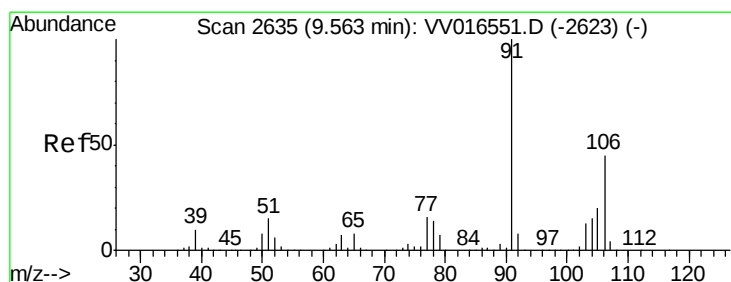
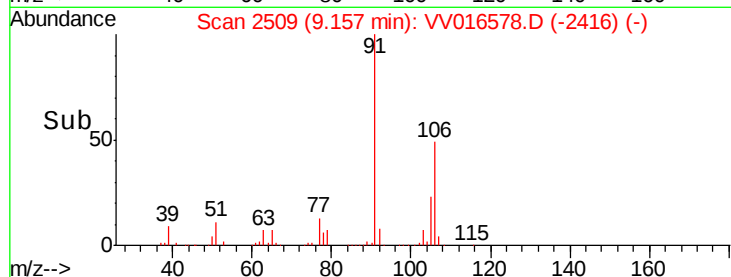
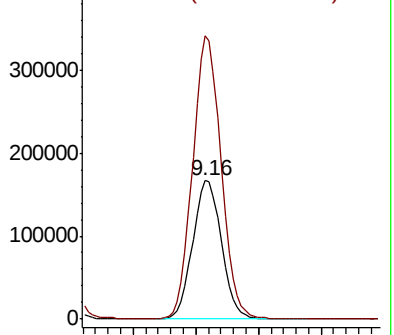
106 100

91 204.7 142.5 264.6



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VV0



#54

o-xylene

Concen: 52.165 ug/L

RT: 9.56 min Scan# 2635

Delta R.T. -0.00 min

Lab File: VV016578.D

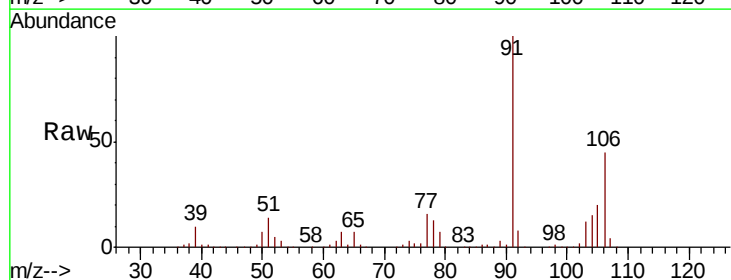
Acq: 06 Jun 2020 10:18

Tgt Ion:106 Resp: 252691

Ion Ratio Lower Upper

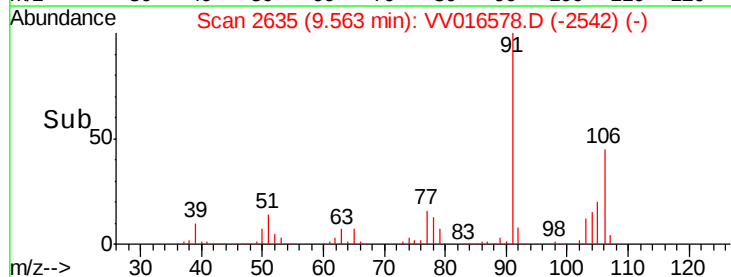
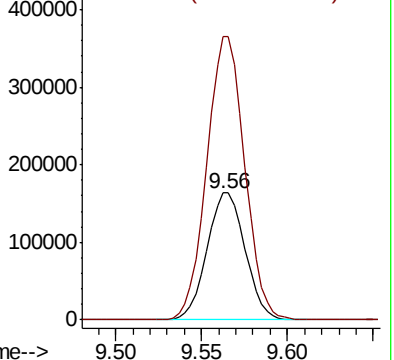
106 100

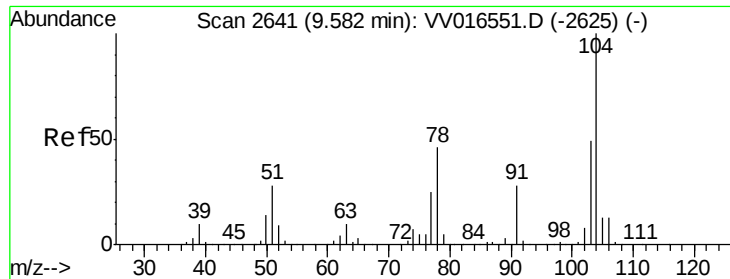
91 223.0 152.5 283.1



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VV0

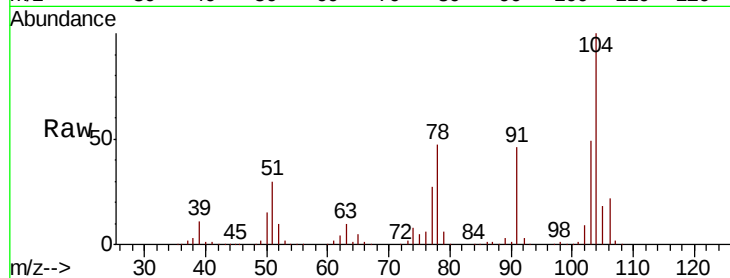




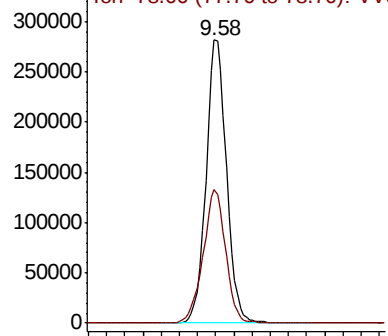
#55
Stvrene
Concen: 51.746 ug/L
RT: 9.58 min Scan# 2640
Delta R.T. -0.00 min
Lab File: VV016578.D
Acq: 06 Jun 2020 10:18

Instrument :
MSVOA_V
ClientSampleId :
VSTD05069

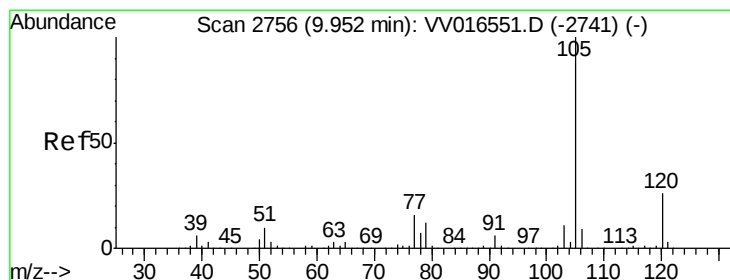
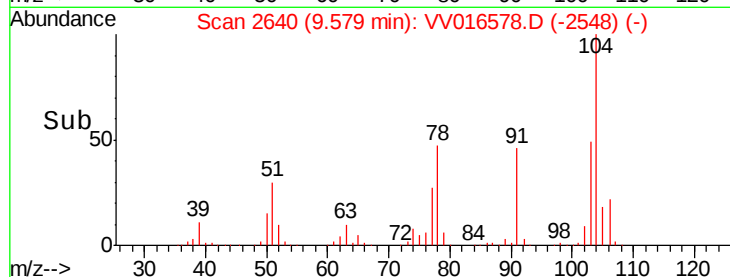
Tot Ion:104 Resp: 439121
Ion Ratio Lower Upper
104 100
78 47.3 31.9 59.3



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

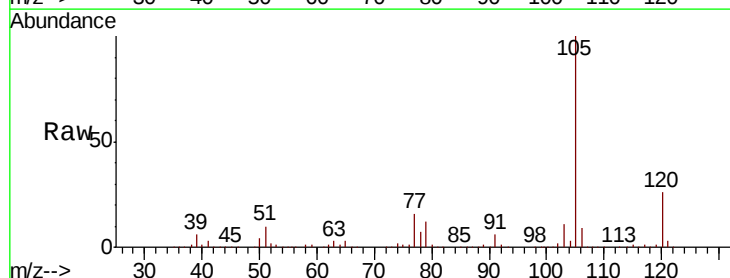


Time-->

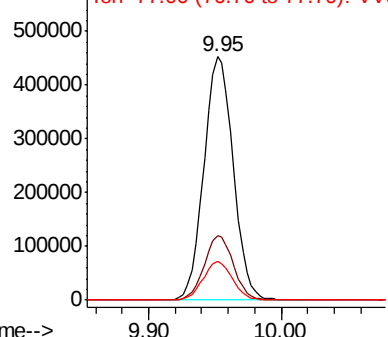


#56
Isopropylbenzene
Concen: 55.207 ug/L
RT: 9.95 min Scan# 2756
Delta R.T. -0.00 min
Lab File: VV016578.D
Acq: 06 Jun 2020 10:18

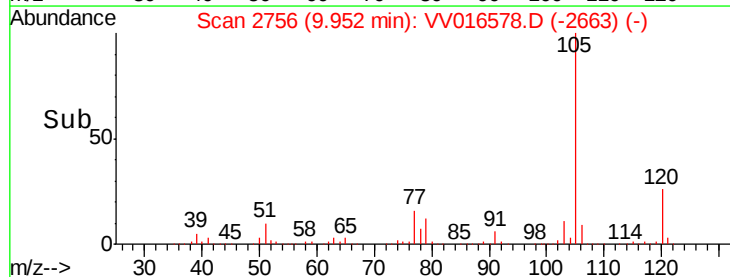
Tgt Ion:105 Resp: 694627
Ion Ratio Lower Upper
105 100
120 26.1 21.0 31.6
77 15.9 13.0 19.4

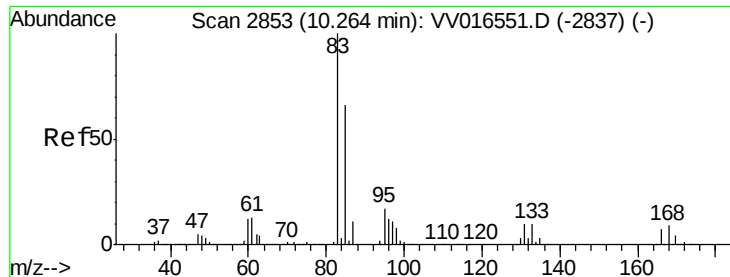


Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V
Ion 77.00 (76.70 to 77.70): VV0



Time-->





#58

1,1,2,2-Tetrachloroethane

Concen: 49.885 ug/L

RT: 10.26 min Scan# 2853

Delta R.T. -0.00 min

Lab File: VV016578.D

Acq: 06 Jun 2020 10:18

Instrument :

MSVOA_V

ClientSampleId :

VSTD05069

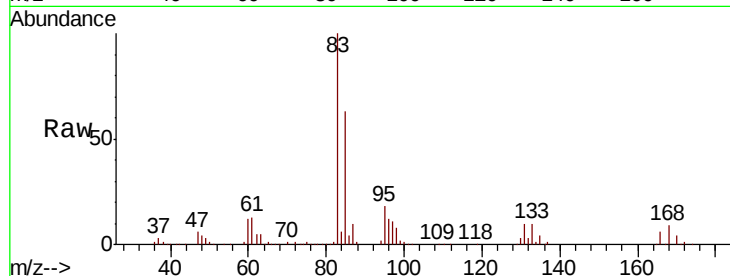
Tot Ion: 83 Resp: 231968

Ion Ratio Lower Upper

83 100

85 62.8 44.0 81.6

131 9.9 7.6 11.4



Abundance Ion 83.00 (82.70 to 83.70): VV016578.D (-2760) (-)

Ion 85.00 (84.70 to 85.70): VV016578.D (-2760) (-)

Ion 131.00 (130.70 to 131.70): VV016578.D (-2760) (-)

10.26

150000

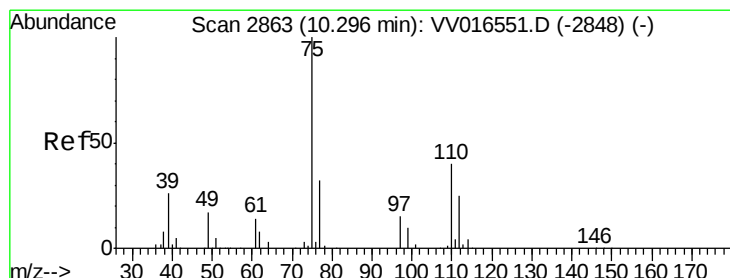
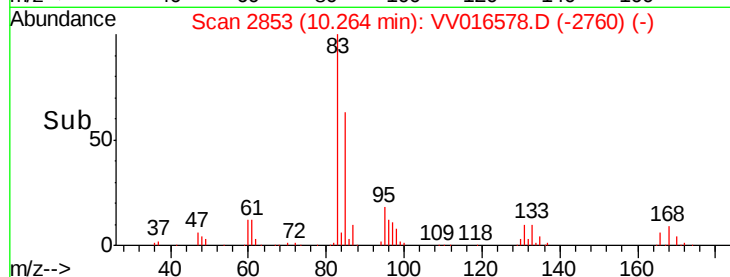
100000

50000

0

10.20 10.30

Time-->



#59

1,2,3-Trichloropropane

Concen: 50.258 ug/L

RT: 10.30 min Scan# 2863

Delta R.T. -0.00 min

Lab File: VV016578.D

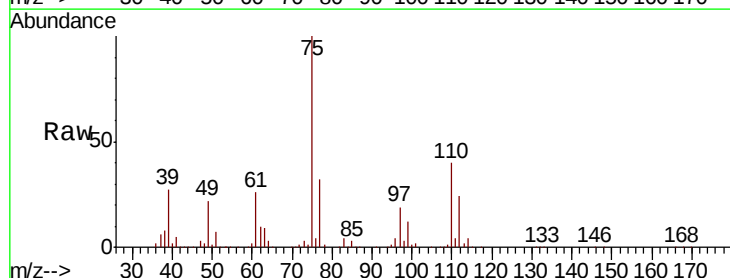
Acq: 06 Jun 2020 10:18

Tgt Ion: 75 Resp: 188008

Ion Ratio Lower Upper

75 100

77 32.3 26.6 40.0



Abundance Ion 75.00 (74.70 to 75.70): VV016578.D (-2241) (-)

Ion 77.00 (76.70 to 77.70): VV016578.D (-2241) (-)

10.30

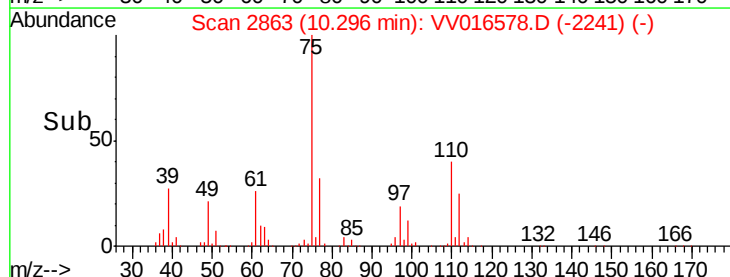
100000

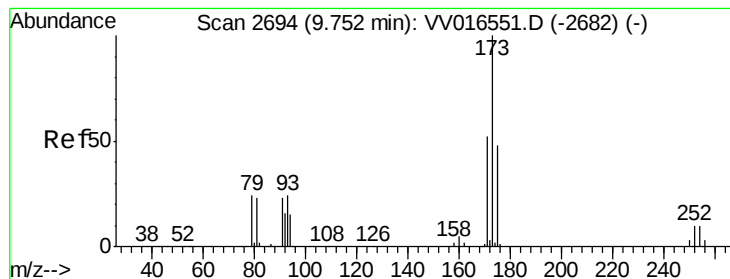
50000

0

10.25 10.30 10.35

Time-->





#61

Bromoform

Concen: 59.715 ug/L

RT: 9.75 min Scan# 2694

Delta R.T. -0.00 min

Lab File: VV016578.D

Acq: 06 Jun 2020 10:18

Instrument :

MSVOA_V

ClientSampleId :

VSTD05069

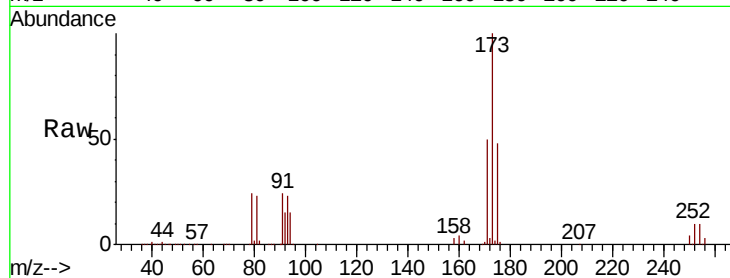
Tot Ion:173 Resp: 99831

Ion Ratio Lower Upper

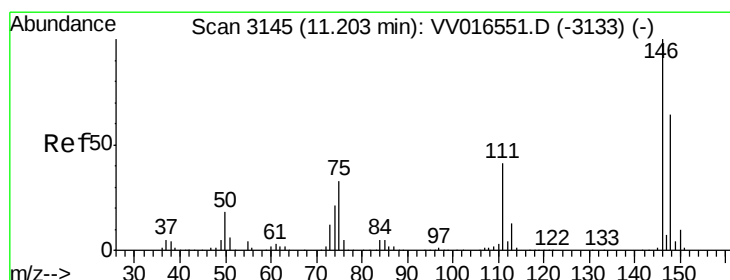
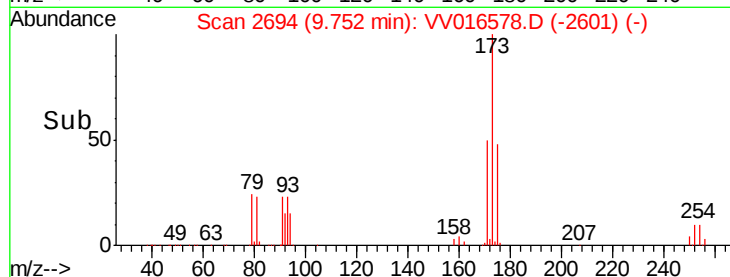
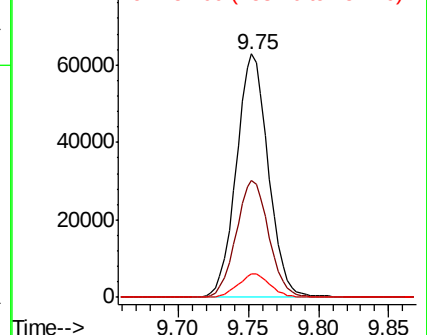
173 100

175 48.8 38.8 58.2

254 9.7 7.9 11.9



Abundance Ion 173.00 (172.70 to 173.70): V
Ion 175.00 (174.70 to 175.70): V
Ion 254.00 (253.70 to 254.70): V



#62

1,3-Dichlorobenzene

Concen: 51.866 ug/L

RT: 11.20 min Scan# 3145

Delta R.T. -0.00 min

Lab File: VV016578.D

Acq: 06 Jun 2020 10:18

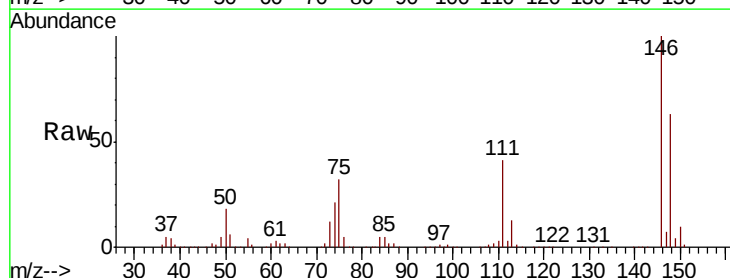
Tgt Ion:146 Resp: 320848

Ion Ratio Lower Upper

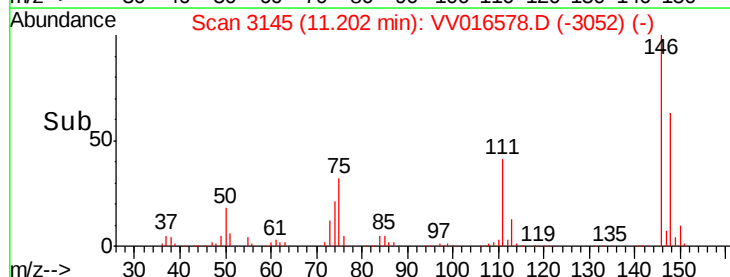
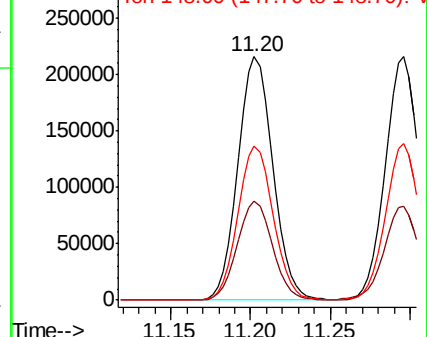
146 100

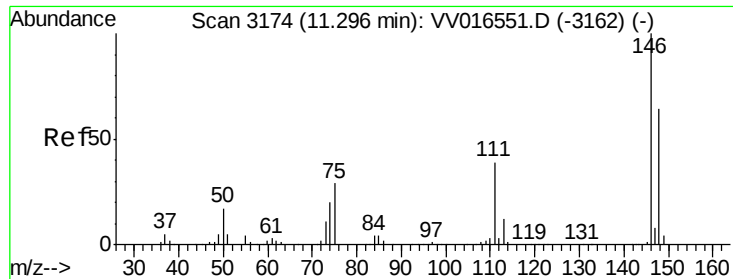
111 40.6 29.8 55.3

148 63.4 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

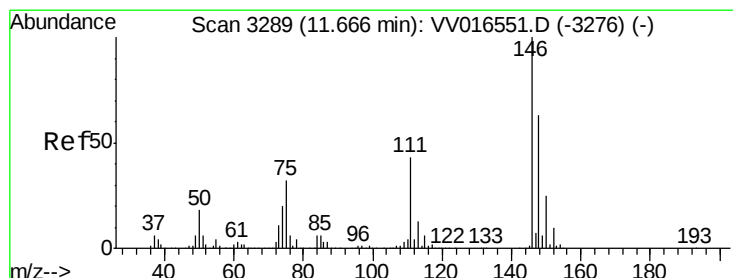
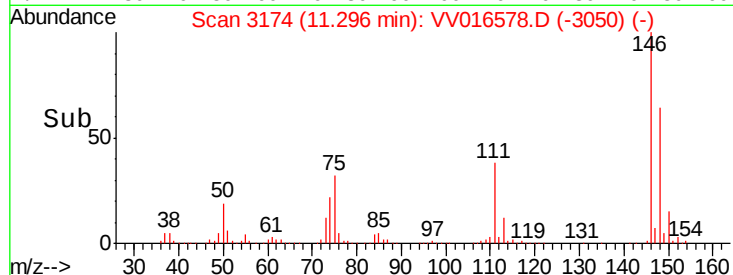
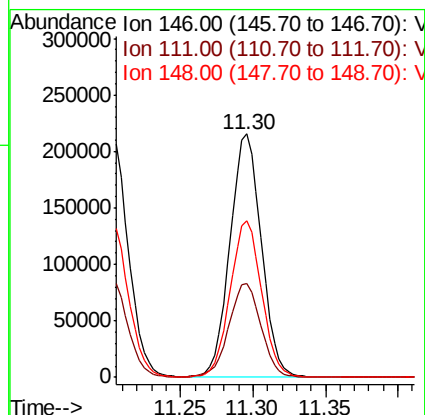
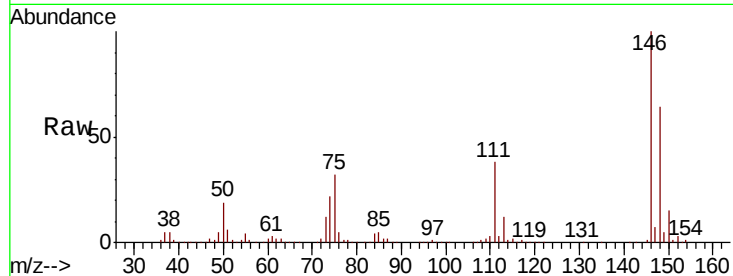




#63
 1,4-Dichlorobenzene
 Concen: 50.548 ug/L
 RT: 11.30 min Scan# 3174
 Delta R.T. -0.00 min
 Lab File: VV016578.D
 Acq: 06 Jun 2020 10:18

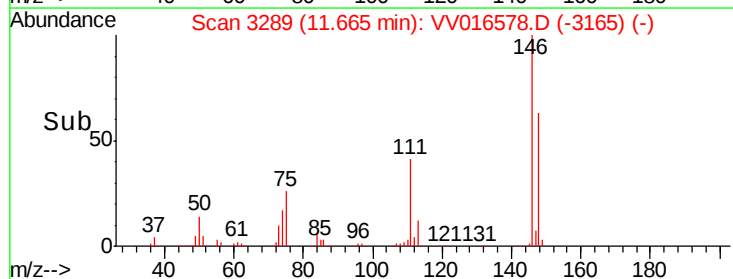
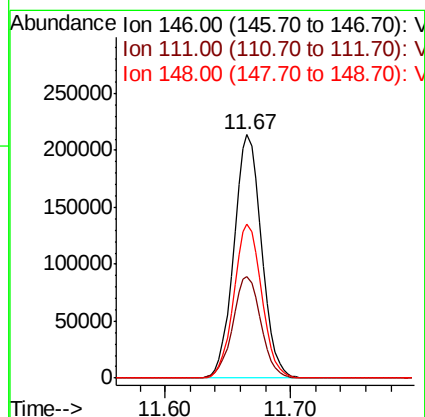
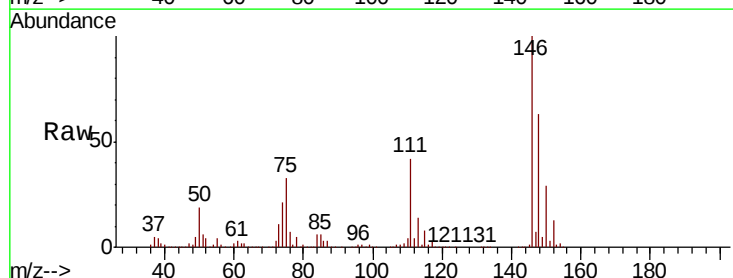
Instrument :
 MSVOA_V
 ClientSampled :
 VSTD05069

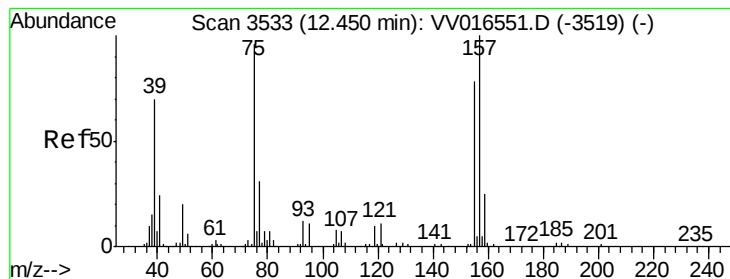
Tot Ion:146 Resp: 324447
 Ion Ratio Lower Upper
 146 100
 111 38.4 27.3 50.7
 148 64.3 44.5 82.7



#65
 1,2-Dichlorobenzene
 Concen: 52.377 ug/L
 RT: 11.67 min Scan# 3289
 Delta R.T. -0.00 min
 Lab File: VV016578.D
 Acq: 06 Jun 2020 10:18

Tgt Ion:146 Resp: 326127
 Ion Ratio Lower Upper
 146 100
 111 41.9 33.6 50.4
 148 63.3 51.5 77.3





#66

1,2-Dibromo-3-chloropropane

Concen: 54.877 ug/L

RT: 12.45 min Scan# 3533

Delta R.T. -0.00 min

Lab File: VV016578.D

Acq: 06 Jun 2020 10:18

Instrument :

MSVOA_V

ClientSampleId :

VSTD05069

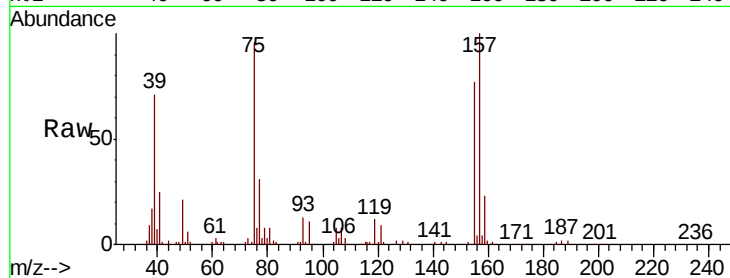
Tot Ion: 75 Resp: 51855

Ion Ratio Lower Upper

75 100

155 79.5 66.2 99.2

157 103.7 83.0 124.4

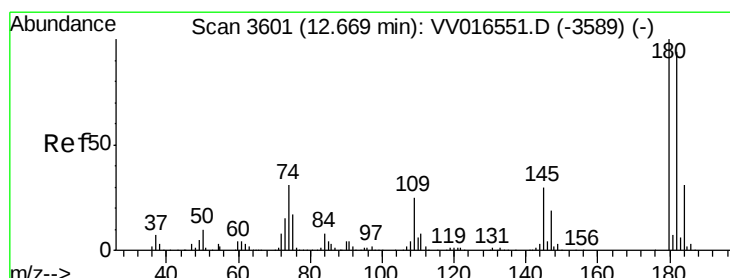
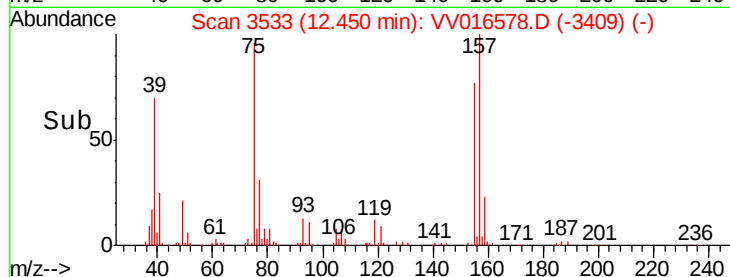
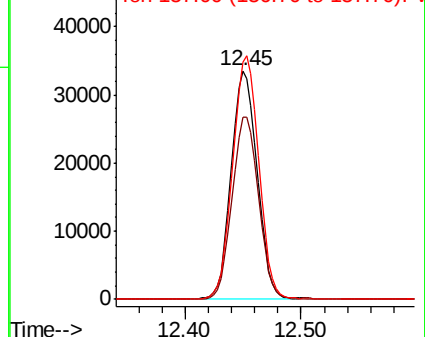


Abundance

Ion 75.00 (74.70 to 75.70): VV016551.D (-3519) (-)

Ion 155.00 (154.70 to 155.70): VV016551.D (-3519) (-)

Ion 157.00 (156.70 to 157.70): VV016551.D (-3519) (-)



#67

1,3,5-Trichlorobenzene

Concen: 58.598 ug/L

RT: 12.67 min Scan# 3601

Delta R.T. -0.00 min

Lab File: VV016578.D

Acq: 06 Jun 2020 10:18

Tgt Ion: 180 Resp: 243876

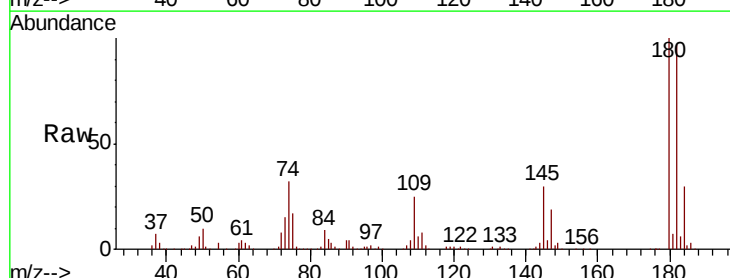
Ion Ratio Lower Upper

180 100

182 96.1 75.8 113.8

184 30.2 24.4 36.6

145 30.4 24.2 36.2



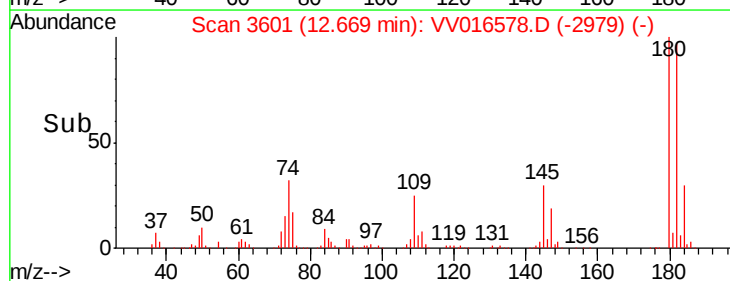
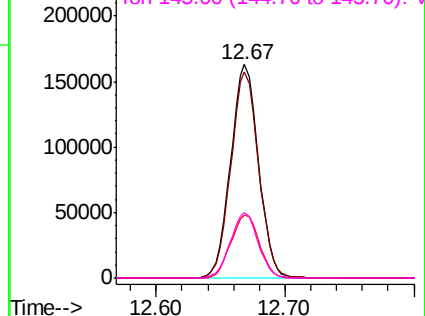
Abundance

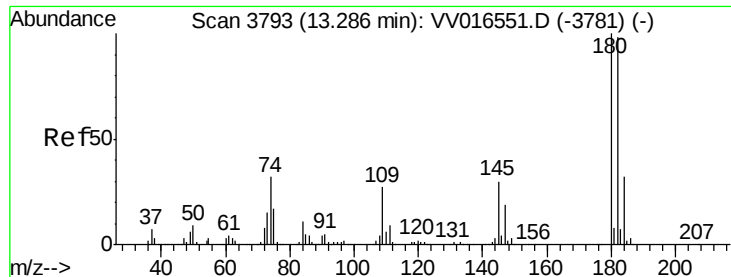
Ion 180.00 (179.70 to 180.70): VV016551.D (-3589) (-)

Ion 182.00 (181.70 to 182.70): VV016551.D (-3589) (-)

Ion 184.00 (183.70 to 184.70): VV016551.D (-3589) (-)

Ion 145.00 (144.70 to 145.70): VV016551.D (-3589) (-)

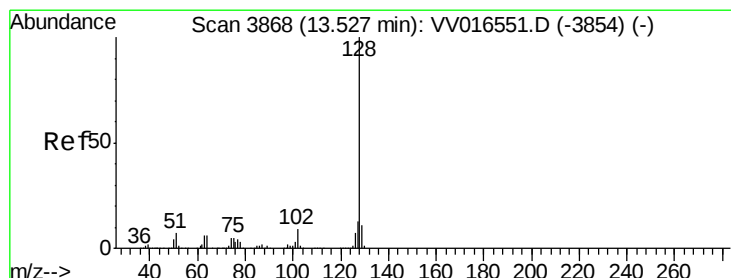
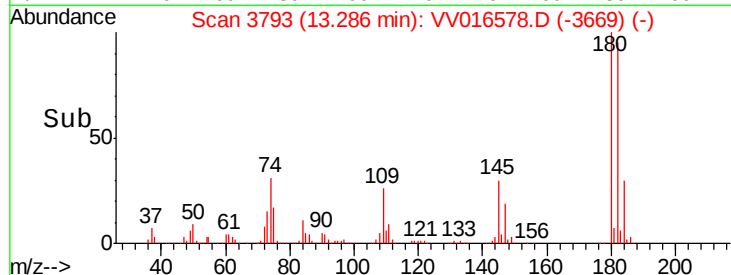
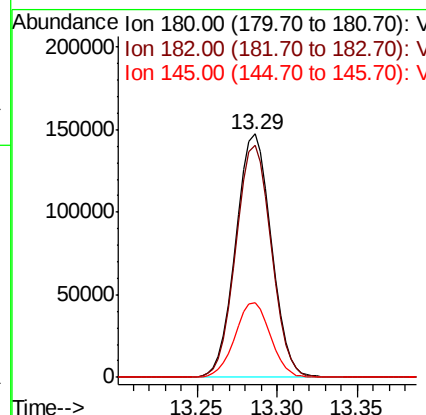
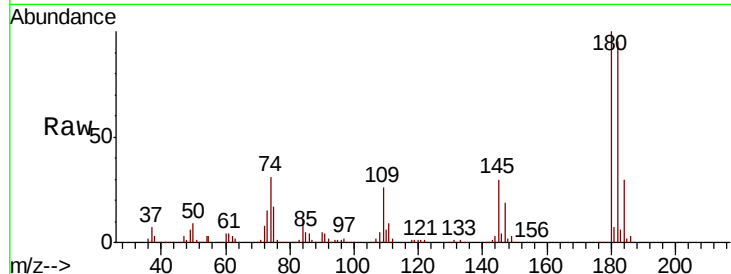




#68
 1,2,4-trichlorobenzene
 Concen: 57.751 ug/L
 RT: 13.29 min Scan# 3793
 Delta R.T. -0.00 min
 Lab File: VV016578.D
 Acq: 06 Jun 2020 10:18

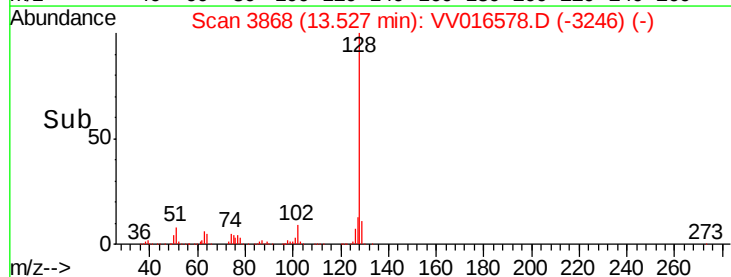
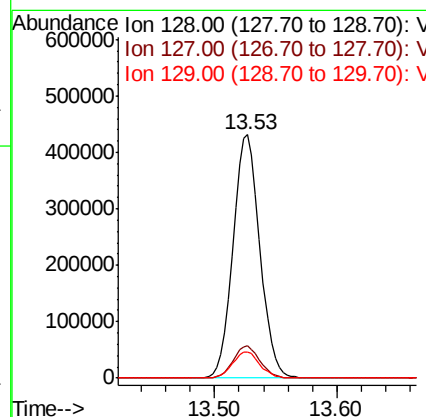
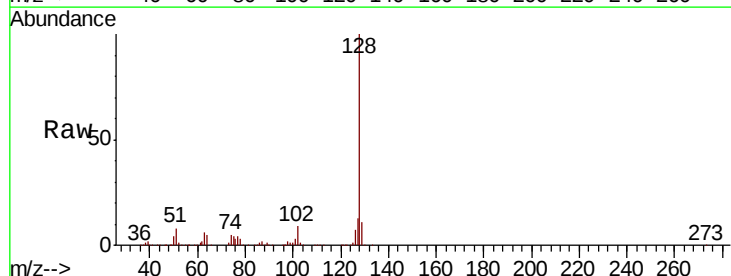
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05069

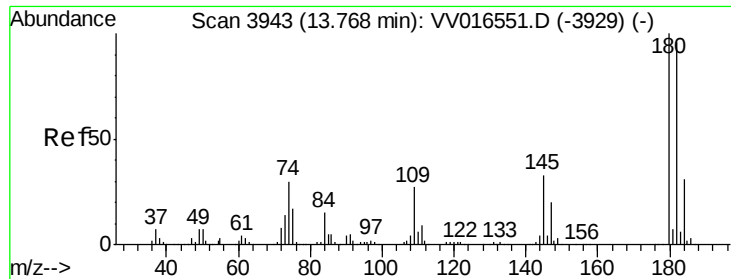
Tot Ion	Ratio	Lower	Upper
180	100		
182	95.3	74.6	111.8
145	30.6	24.5	36.7



#69
 Naphthalene
 Concen: 56.039 ug/L
 RT: 13.53 min Scan# 3868
 Delta R.T. -0.00 min
 Lab File: VV016578.D
 Acq: 06 Jun 2020 10:18

Tgt Ion	Ratio	Lower	Upper
128	100		
127	13.2	10.2	15.4
129	10.9	8.7	13.1

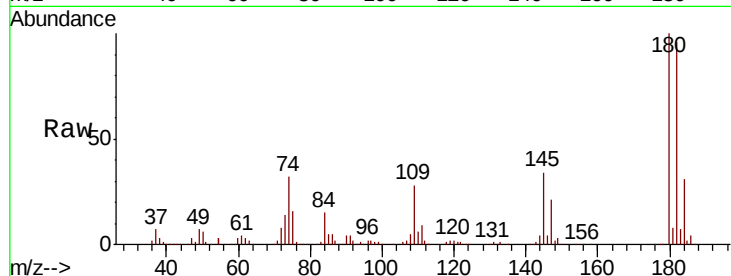




#70
 1,2,3-Trichlorobenzene
 Concen: 58.200 ug/L
 RT: 13.77 min Scan# 3943
 Delta R.T. -0.00 min
 Lab File: VV016578.D
 Acq: 06 Jun 2020 10:18

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05069

Tot Ion:	180	Resp:	213166
Ion	Ratio	Lower	Upper
180	100		
182	95.4	76.0	114.0
145	33.4	26.5	39.7



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

