

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV062320\
 Data File : VV017042.D
 Acq On : 23 Jun 2020 01:45
 Operator : SY/MD
 Sample : VSTDCCC005EC
 Misc : 25.0mL/MSVOA V/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00553

Quant Time: Jun 23 05:01:45 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR061720WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Tue Jun 23 04:53:49 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	196020	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	185733	5.00	ug/L	0.00
61) 1,4-Dichlorobenzene-d4	11.27	152	100157	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	50829	4.32	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	86.40%
7) Chloroethane-d5	1.58	69	38463	4.50	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	90.00%
11) 1,1-Dichloroethene-d2	2.13	63	101691	4.54	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	90.80%
20) 2-Butanone-d5	3.93	46	148328	49.47	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	98.94%
24) Chloroform-d	4.38	84	114435	4.55	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	91.00%
26) 1,2-Dichloroethane-d4	5.06	65	64605	4.84	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	96.80%
32) Benzene-d6	5.07	84	234502	4.87	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	97.40%
36) 1,2-Dichloropropane-d6	6.09	67	68072	4.72	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	94.40%
41) Toluene-d8	7.34	98	226619	5.01	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	100.20%
45) trans-1,3-Dichloropropene-	7.64	79	28361	4.72	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	94.40%
48) 2-Hexanone-d5	8.11	63	105755	46.20	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	92.40%
59) 1,1,2,2-Tetrachloroethane-	10.24	84	50457	5.26	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	105.20%
65) 1,2-Dichlorobenzene-d4	11.65	152	87698	4.74	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	94.80%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.14	85	78214	4.998	ug/L 99
3) Chloromethane	1.25	50	61628	4.648	ug/L 100
5) Vinyl chloride	1.32	62	62721	4.876	ug/L 95
6) Bromomethane	1.53	94	24694	3.294	ug/L 100
8) Chloroethane	1.60	64	36848	5.184	ug/L 98
9) Trichlorofluoromethane	1.77	101	104095	4.997	ug/L 98
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	52072	5.016	ug/L 99
12) 1,1-Dichloroethene	2.14	96	48161	5.119	ug/L 87
13) Acetone	2.20	43	81966	54.078	ug/L 96
14) Carbon disulfide	2.31	76	142517	5.056	ug/L 98
15) Methyl Acetate	2.45	43	18642	5.031	ug/L 99
16) Methylene chloride	2.52	84	49273	4.891	ug/L 96
17) Methyl tert-butyl Ether	2.79	73	121713	5.153	ug/L 99
18) trans-1,2-Dichloroethene	2.78	96	50635	5.079	ug/L 95
19) 1,1-Dichloroethane	3.21	63	116116	5.184	ug/L 99
21) 2-Butanone	4.01	43	154035	53.912	ug/L 98
22) cis-1,2-Dichloroethene	3.94	96	68684	5.038	ug/L 97

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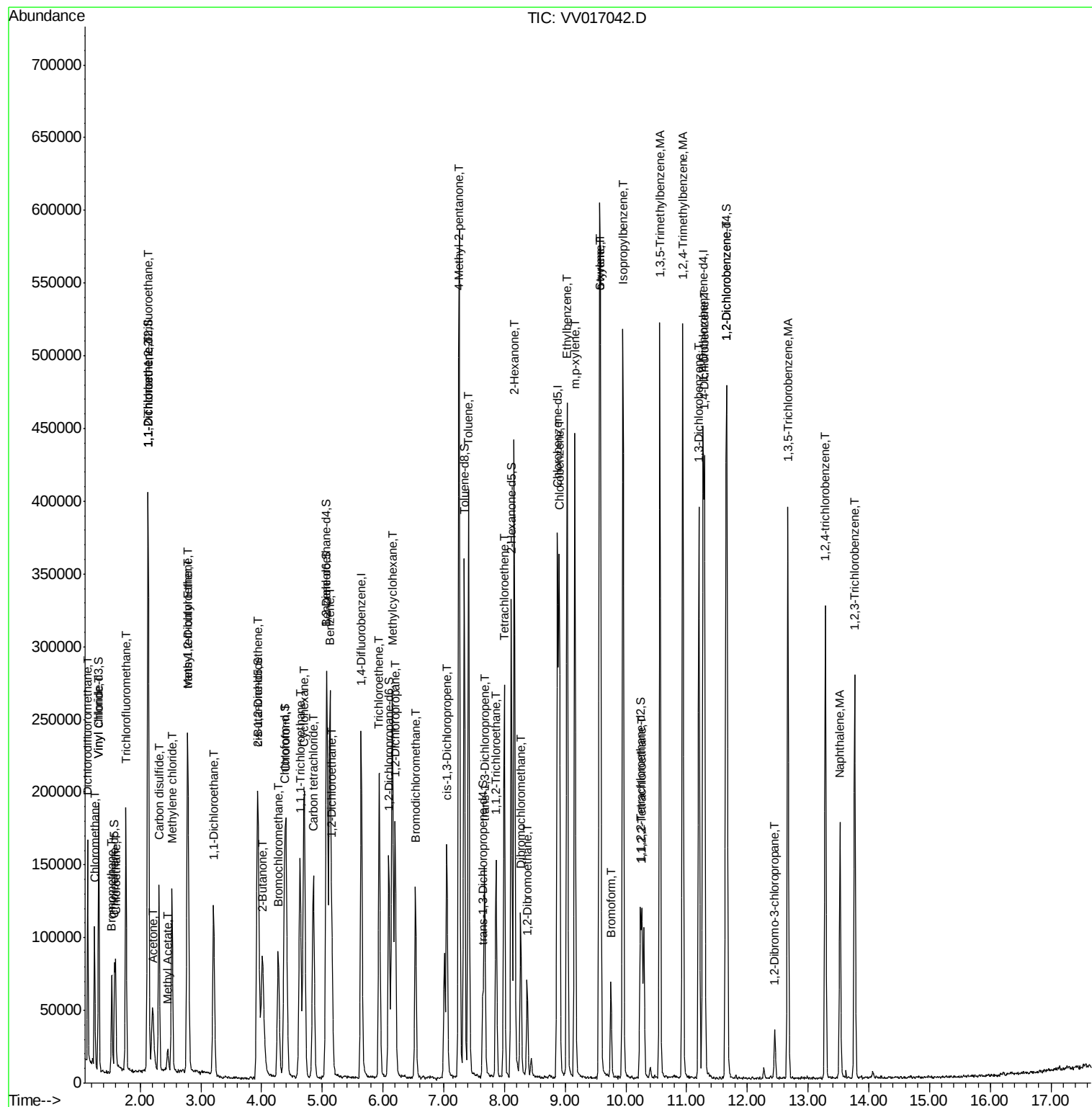
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.27	128	30610	5.283	ug/L	95
25) Chloroform	4.40	83	137327	5.613	ug/L	99
27) 1,2-Dichloroethane	5.16	62	78976	5.196	ug/L	99
29) 1,1,1-Trichloroethane	4.63	97	120303	5.406	ug/L	99
30) Cyclohexane	4.70	56	103546	4.890	ug/L	99
31) Carbon tetrachloride	4.85	117	103285	5.144	ug/L	100
33) Benzene	5.13	78	255564	5.254	ug/L	100
34) Trichloroethene	5.94	95	70632	4.959	ug/L	99
35) Methylcyclohexane	6.15	83	106404	4.806	ug/L	99
37) 1,2-Dichloropropane	6.20	63	63168	5.246	ug/L	99
38) Bromodichloromethane	6.53	83	85206	5.210	ug/L	96
39) cis-1,3-Dichloropropene	7.05	75	88351	4.939	ug/L	100
40) 4-Methyl-2-pentanone	7.25	43	369964	53.217	ug/L	99
42) Toluene	7.41	91	279546	4.943	ug/L	97
43) 1,3,5-Trimethylbenzene	10.56	105	261970	5.180	ug/L	100
44) 1,2,4-Trimethylbenzene	10.94	105	267832	5.201	ug/L	99
46) trans-1,3-Dichloropropene	7.67	75	75467	4.877	ug/L	99
47) 1,1,2-Trichloroethane	7.86	97	44617	5.224	ug/L	98
49) Tetrachloroethene	8.00	164	57324	5.000	ug/L	96
50) 2-Hexanone	8.16	43	268424	54.255	ug/L	99
51) Dibromochloromethane	8.27	129	54968	5.310	ug/L	97
52) 1,2-Dibromoethane	8.37	107	42353	5.229	ug/L	93
53) Chlorobenzene	8.90	112	181077	5.137	ug/L	98
54) Ethylbenzene	9.03	91	311583	5.162	ug/L	99
55) m,p-xylene	9.16	106	120025	5.070	ug/L	99
56) o-xylene	9.56	106	113289	5.128	ug/L	100
57) Styrene	9.58	104	194139	5.303	ug/L	98
58) Isopropylbenzene	9.95	105	313555	5.157	ug/L	99
60) 1,1,2,2-Tetrachloroethane	10.26	83	49564	5.611	ug/L	93
62) Bromoform	9.75	173	27682	5.166	ug/L	99
63) 1,3-Dichlorobenzene	11.20	146	151409	5.021	ug/L	98
64) 1,4-Dichlorobenzene	11.30	146	151811	4.954	ug/L	99
66) 1,2-Dichlorobenzene	11.67	146	139115	5.084	ug/L	97
67) 1,2-Dibromo-3-chloropropan	12.45	75	8158	5.390	ug/L	92
68) 1,3,5-Trichlorobenzene	12.67	180	116303	4.801	ug/L	99
69) 1,2,4-trichlorobenzene	13.28	180	93873	4.707	ug/L	99
70) Naphthalene	13.53	128	133649	4.746	ug/L	99
71) 1,2,3-Trichlorobenzene	13.77	180	80512	4.950	ug/L	99

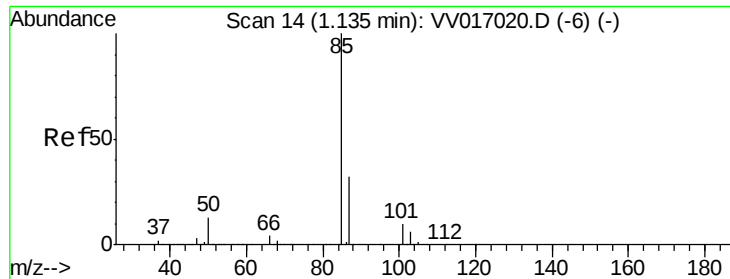
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 4.998 ug/L

RT: 1.14 min Scan# 14

Delta R.T. -0.00 min

Lab File: VV017042.D

Acq: 23 Jun 2020 01:45

Instrument :

MSVOA_V

ClientSampleId :

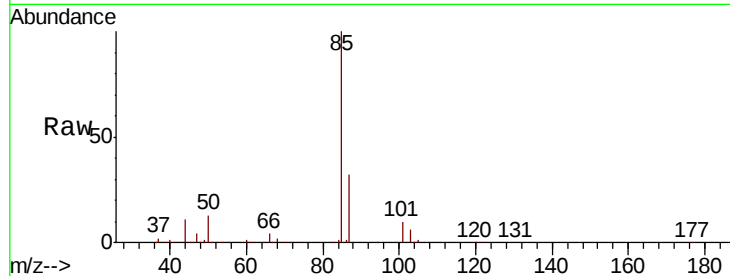
VSTD00553

Tot Ion: 85 Resp: 78214

Ion Ratio Lower Upper

85 100

87 32.3 26.3 39.5



Abundance Ion 85.00 (84.70 to 85.70): VV017042.D (-1) (-)

Ion 87.00 (86.70 to 87.70): VV017042.D (-1) (-)

1.14

80000

60000

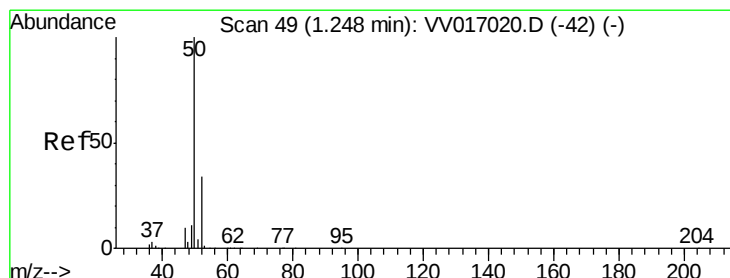
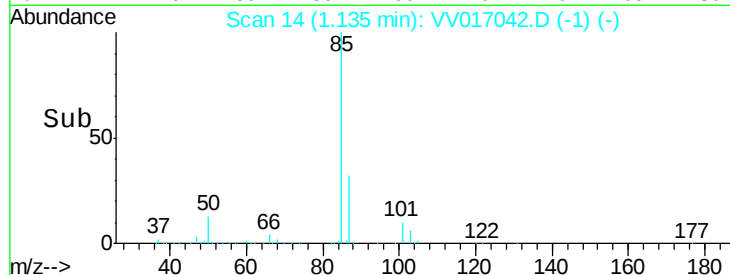
40000

20000

0

Time-->

1.10 1.15 1.20



#3

Chloromethane

Concen: 4.648 ug/L

RT: 1.25 min Scan# 49

Delta R.T. -0.00 min

Lab File: VV017042.D

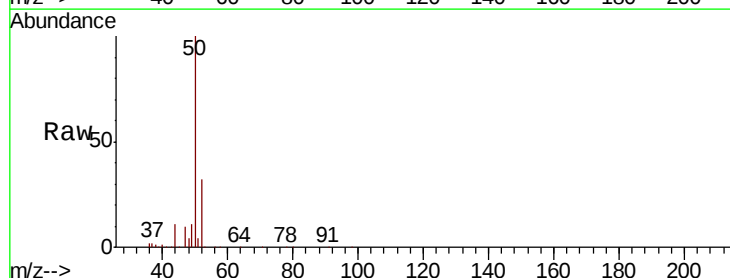
Acq: 23 Jun 2020 01:45

Tgt Ion: 50 Resp: 61628

Ion Ratio Lower Upper

50 100

52 32.3 22.5 41.9



Abundance Ion 50.05 (49.75 to 50.75): VV017042.D (-1) (-)

Ion 52.05 (51.75 to 52.75): VV017042.D (-1) (-)

1.25

60000

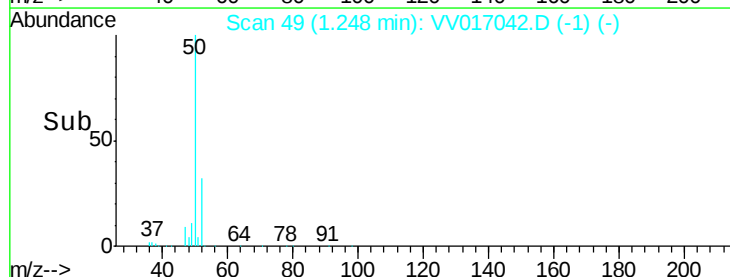
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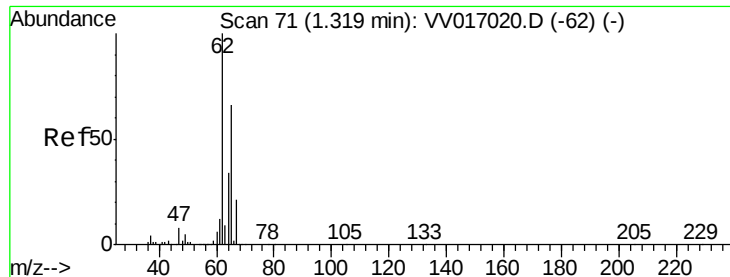
20000

0

Time-->

1.20 1.25 1.30





#5

Vinyl chloride

Concen: 4.876 ug/L

RT: 1.32 min Scan# 71

Delta R.T. -0.00 min

Lab File: VV017042.D

Acq: 23 Jun 2020 01:45

Instrument :

MSVOA_V

ClientSampleId :

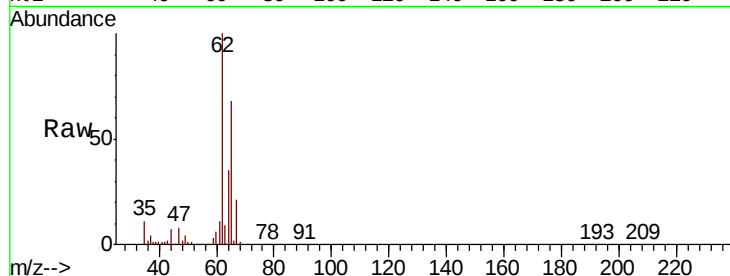
VSTD00553

Tot Ion: 62 Resp: 62721

Ion Ratio Lower Upper

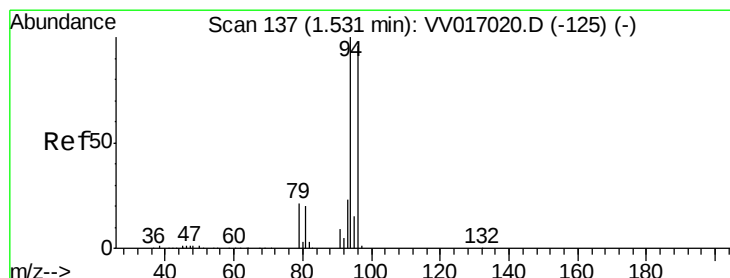
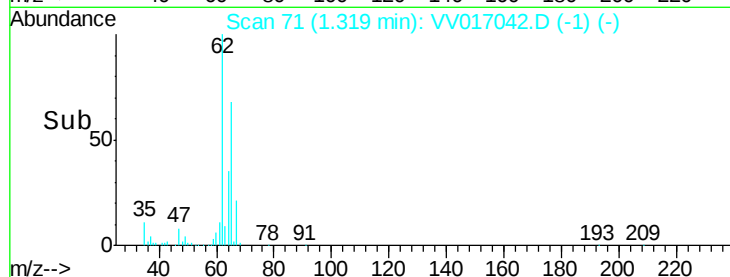
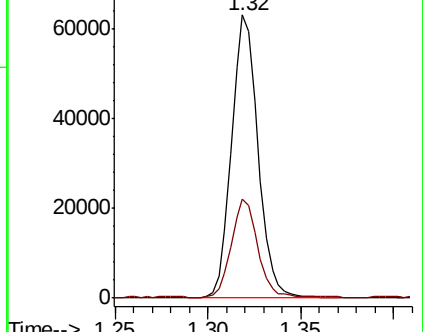
62 100

64 35.1 22.5 41.7



Abundance Ion 62.00 (61.70 to 62.70): VV017042.D (-62) (-)

Ion 64.10 (63.80 to 64.80): VV017042.D (-62) (-)



#6

Bromomethane

Concen: 3.294 ug/L

RT: 1.53 min Scan# 137

Delta R.T. -0.00 min

Lab File: VV017042.D

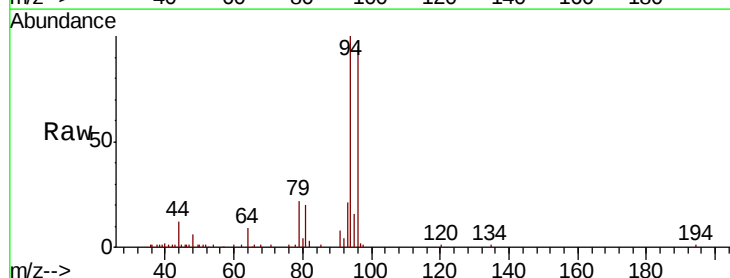
Acq: 23 Jun 2020 01:45

Tgt Ion: 94 Resp: 24694

Ion Ratio Lower Upper

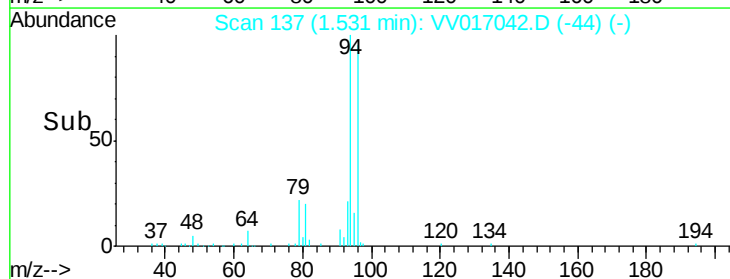
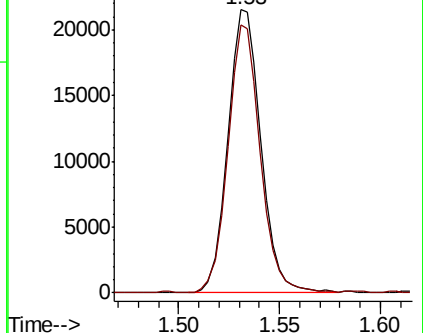
94 100

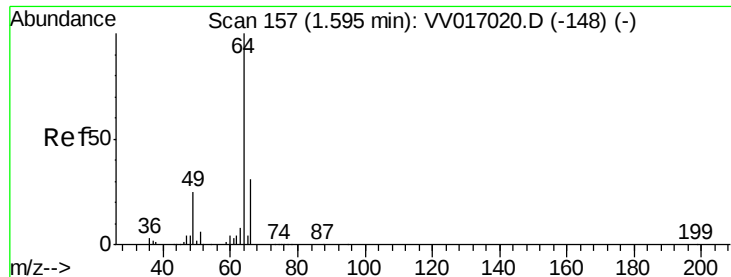
96 94.5 66.2 123.0



Abundance Ion 94.00 (93.70 to 94.70): VV017042.D (-125) (-)

Ion 96.00 (95.70 to 96.70): VV017042.D (-125) (-)

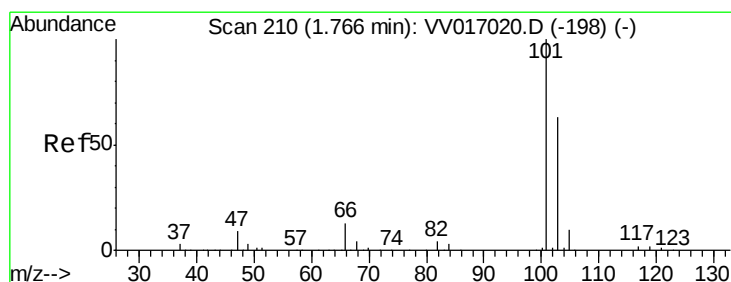
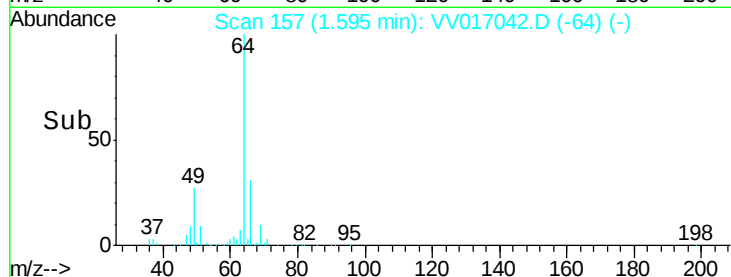
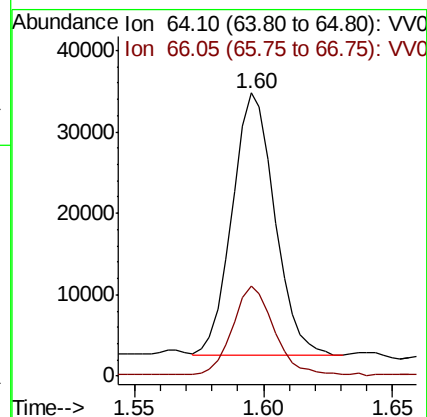
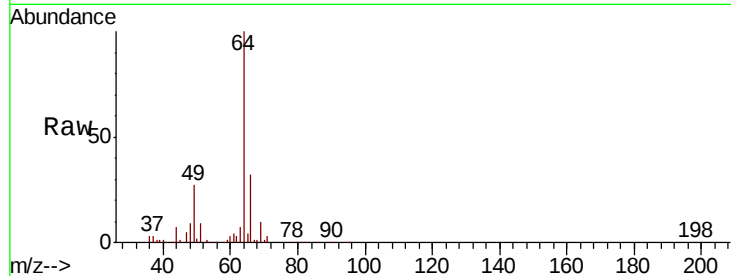




#8
Chloroethane
Concen: 5.184 ug/L
RT: 1.60 min Scan# 157
Delta R.T. -0.00 min
Lab File: VV017042.D
Acq: 23 Jun 2020 01:45

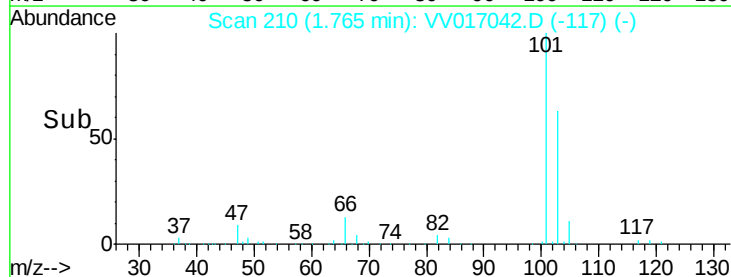
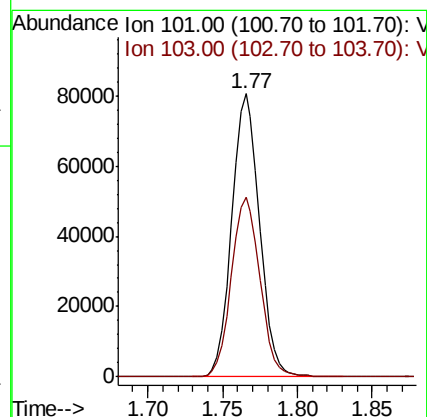
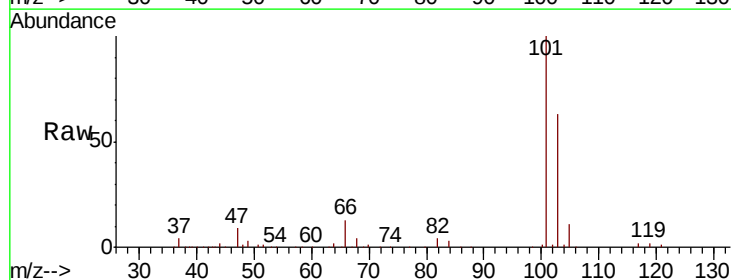
Instrument :
MSVOA_V
ClientSampleId :
VSTD00553

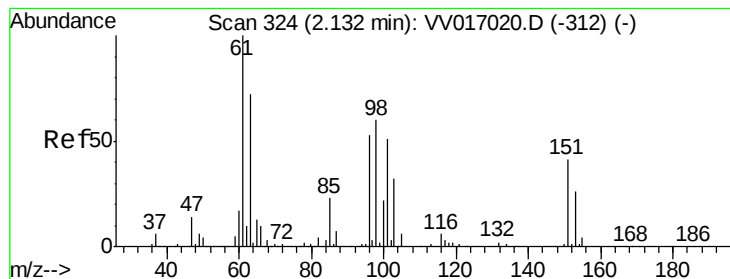
Tot Ion: 64 Resp: 36848
Ion Ratio Lower Upper
64 100
66 31.6 22.8 42.4



#9
Trichlorofluoromethane
Concen: 4.997 ug/L
RT: 1.77 min Scan# 210
Delta R.T. -0.00 min
Lab File: VV017042.D
Acq: 23 Jun 2020 01:45

Tgt Ion: 101 Resp: 104095
Ion Ratio Lower Upper
101 100
103 65.4 50.9 76.3





#10

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

Concen: 5.016 ug/L

RT: 2.13 min Scan# 324

Delta R.T. -0.00 min

Lab File: VV017042.D

Acq: 23 Jun 2020 01:45

Instrument :

MSVOA_V

ClientSampleId :

VSTD00553

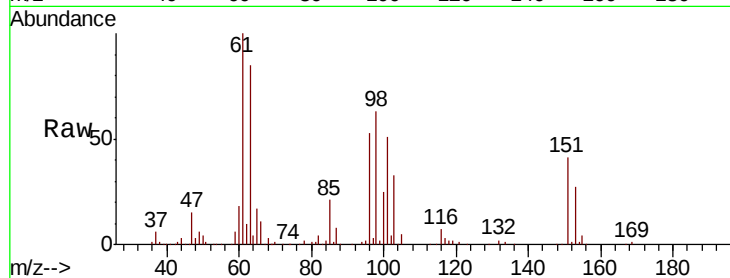
Tot Ion:101 Resp: 52072

Ion Ratio Lower Upper

101 100

85 43.8 35.4 53.2

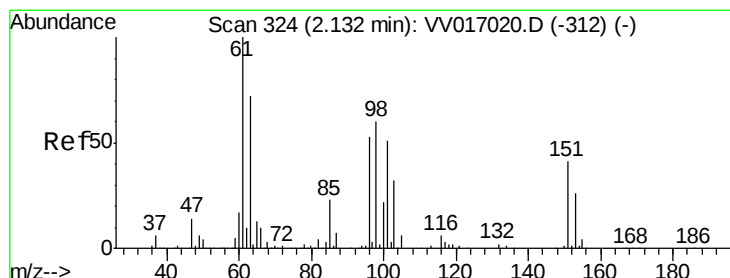
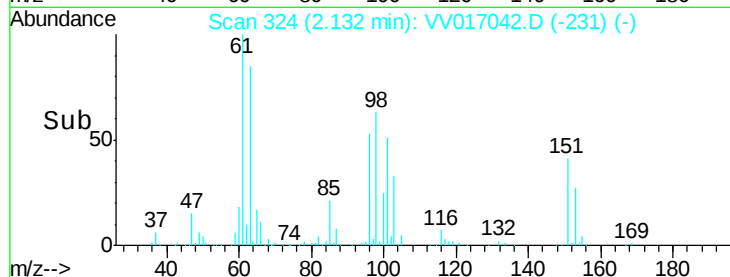
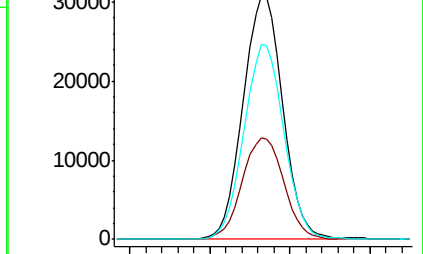
151 80.9 63.9 95.9



Abundance Ion 101.00 (100.70 to 101.70): VV017020.D (-312) (-)

Ion 85.00 (84.70 to 85.70): VV017020.D (-312) (-)

Ion 151.00 (150.70 to 151.70): VV017020.D (-312) (-)



#12

1,1-Dichloroethene

Concen: 5.119 ug/L

RT: 2.14 min Scan# 325

Delta R.T. 0.00 min

Lab File: VV017042.D

Acq: 23 Jun 2020 01:45

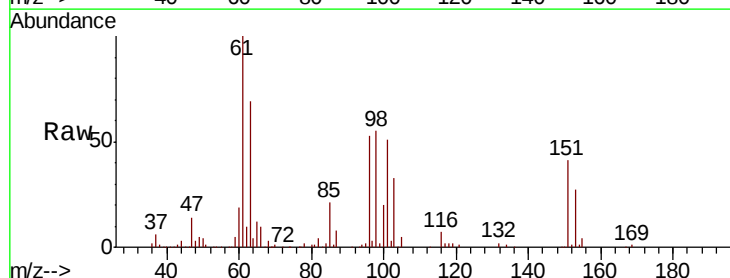
Tgt Ion: 96 Resp: 48161

Ion Ratio Lower Upper

96 100

61 187.1 125.0 232.2

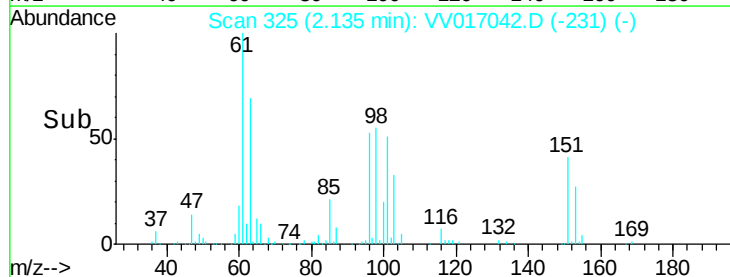
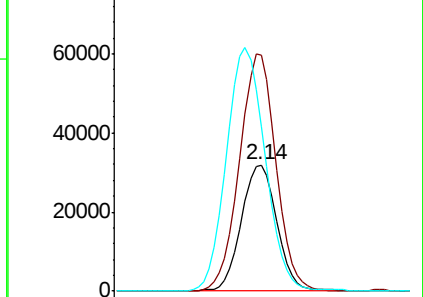
63 130.0 109.8 203.8

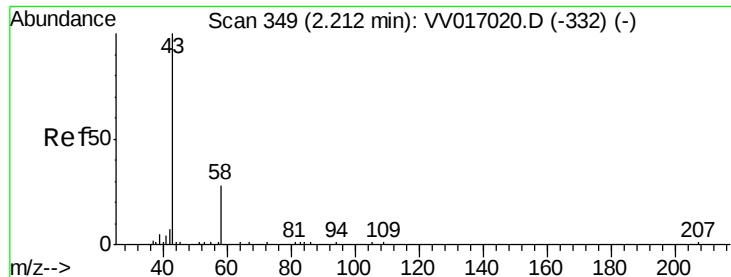


Abundance Ion 96.00 (95.70 to 96.70): VV017042.D (-231) (-)

Ion 61.05 (60.75 to 61.75): VV017042.D (-231) (-)

Ion 63.00 (62.70 to 63.70): VV017042.D (-231) (-)





#13

Acetone

Concen: 54.078 ug/L

RT: 2.20 min Scan# 346

Delta R.T. -0.01 min

Lab File: VV017042.D

Acq: 23 Jun 2020 01:45

Instrument :

MSVOA_V

ClientSampleId :

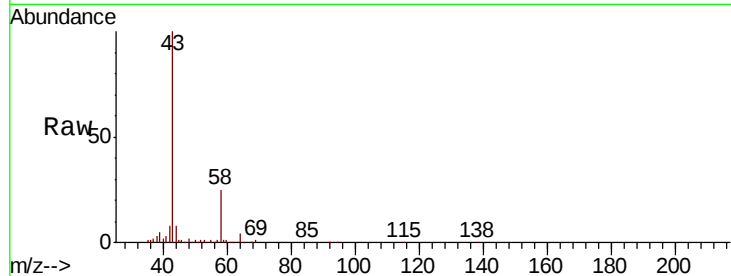
VSTD00553

Tot Ion: 43 Resp: 81966

Ion Ratio Lower Upper

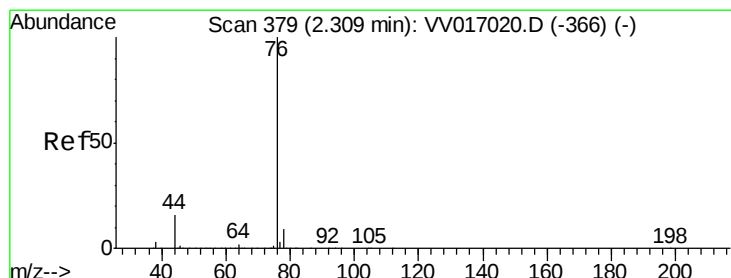
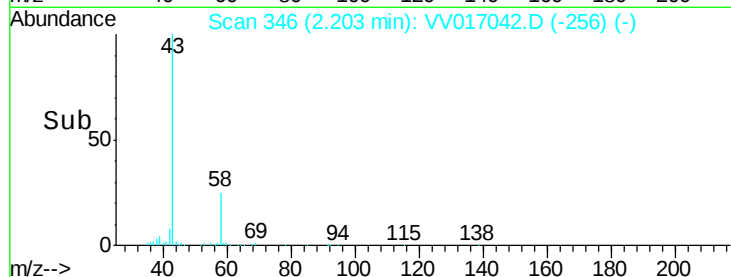
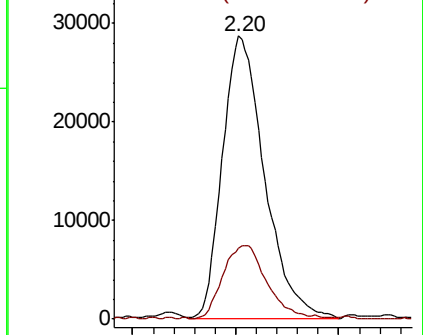
43 100

58 27.2 0.0 58.4



Abundance Ion 43.05 (42.75 to 43.75): VV017042.D (-256) (-)

Ion 58.05 (57.75 to 58.75): VV017042.D (-256) (-)



#14

Carbon disulfide

Concen: 5.056 ug/L

RT: 2.31 min Scan# 380

Delta R.T. 0.00 min

Lab File: VV017042.D

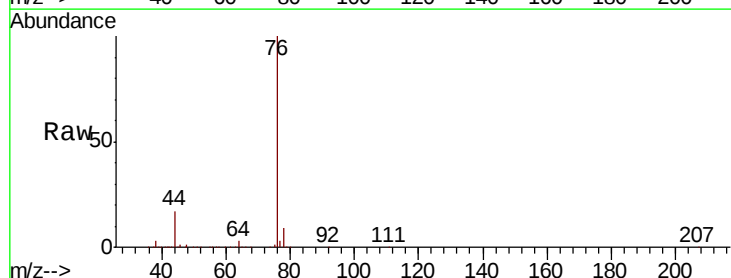
Acq: 23 Jun 2020 01:45

Tgt Ion: 76 Resp: 142517

Ion Ratio Lower Upper

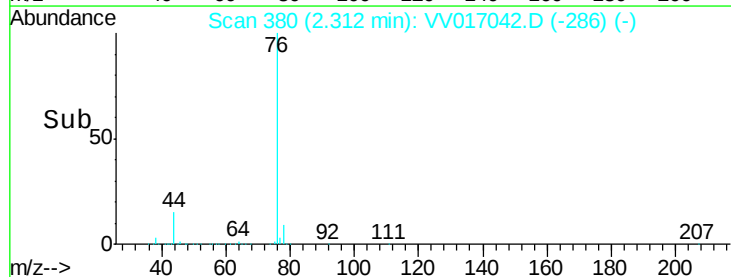
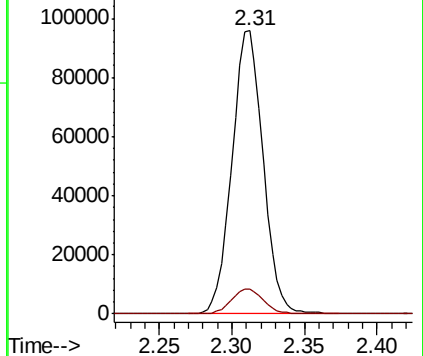
76 100

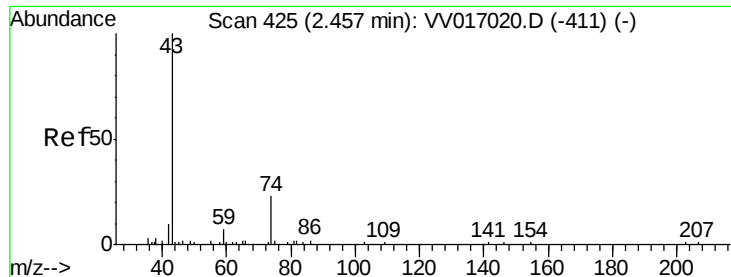
78 8.8 7.7 11.5



Abundance Ion 76.05 (75.75 to 76.75): VV017042.D (-286) (-)

Ion 78.00 (77.70 to 78.70): VV017042.D (-286) (-)

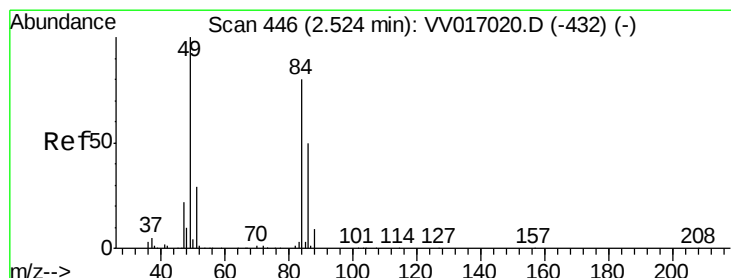
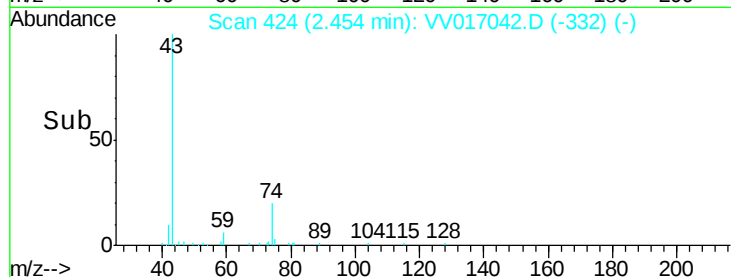
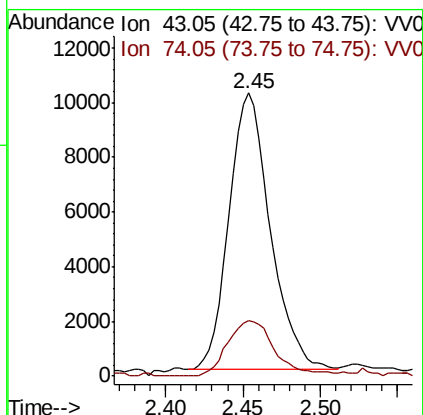
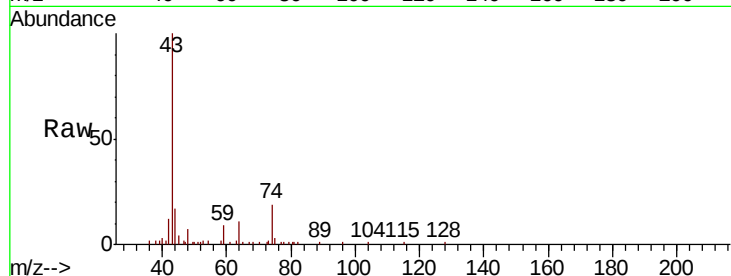




#15
Methvl Acetate
Concen: 5.031 ug/L
RT: 2.45 min Scan# 424
Delta R.T. -0.00 min
Lab File: VV017042.D
Acq: 23 Jun 2020 01:45

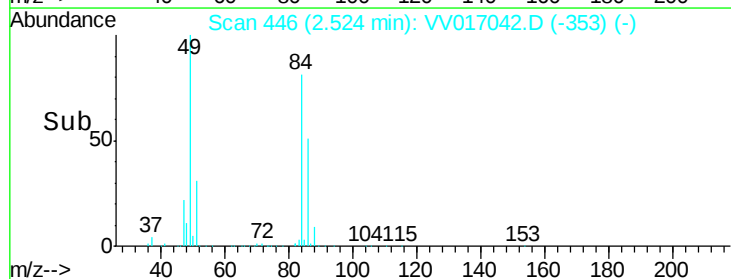
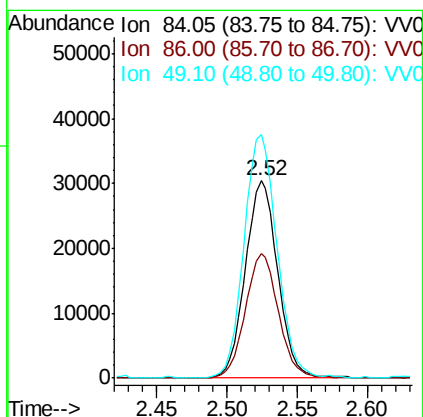
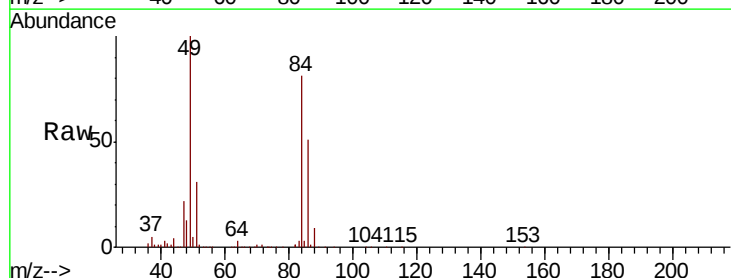
Instrument :
MSVOA_V
ClientSampleId :
VSTD00553

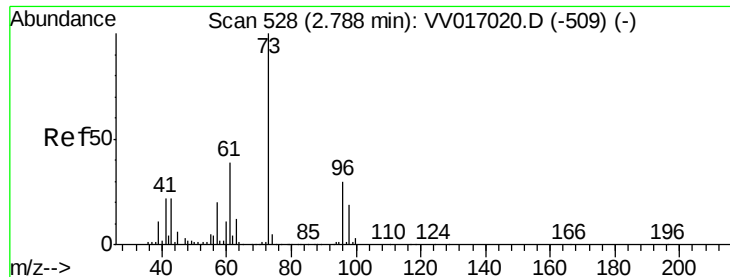
Tot Ion: 43 Resp: 18642
Ion Ratio Lower Upper
43 100
74 23.2 19.1 28.7



#16
Methylene chloride
Concen: 4.891 ug/L
RT: 2.52 min Scan# 446
Delta R.T. -0.00 min
Lab File: VV017042.D
Acq: 23 Jun 2020 01:45

Tgt Ion: 84 Resp: 49273
Ion Ratio Lower Upper
84 100
86 63.0 45.8 85.0
49 123.6 89.6 166.4

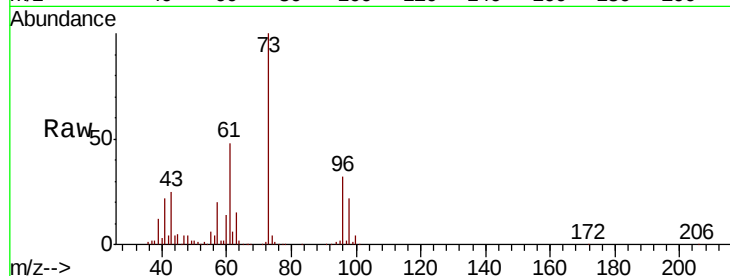




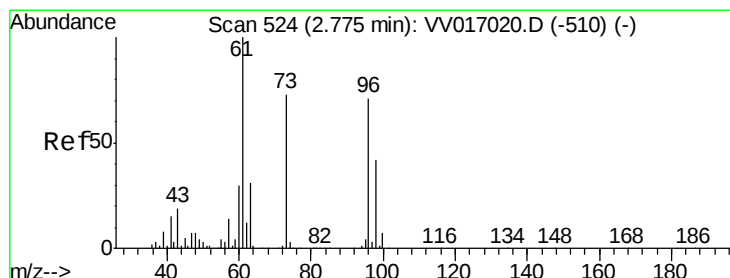
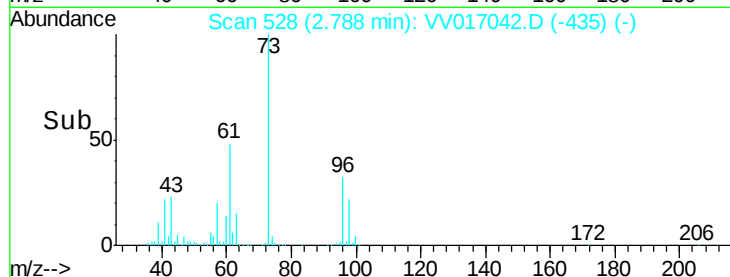
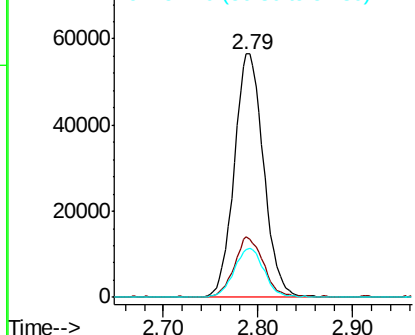
#17
Methvl tert-butvl Ether
Concen: 5.153 ug/L
RT: 2.79 min Scan# 528
Delta R.T. -0.00 min
Lab File: VV017042.D
Acq: 23 Jun 2020 01:45

Instrument :
MSVOA_V
ClientSampleId :
VSTD00553

Tot Ion: 73 Resp: 121713
Ion Ratio Lower Upper
73 100
43 23.8 18.6 28.0
57 20.0 16.4 24.6

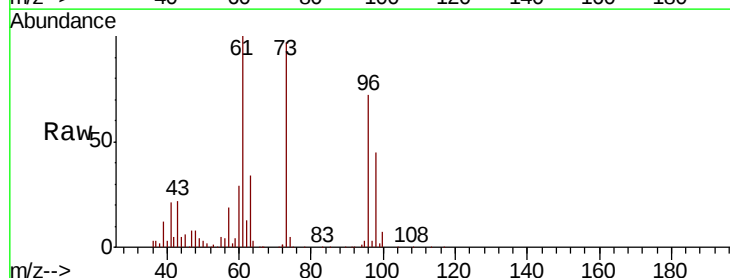


Abundance Ion 73.10 (72.80 to 73.80): VV0
Ion 43.05 (42.75 to 43.75): VV0
Ion 57.10 (56.80 to 57.80): VV0

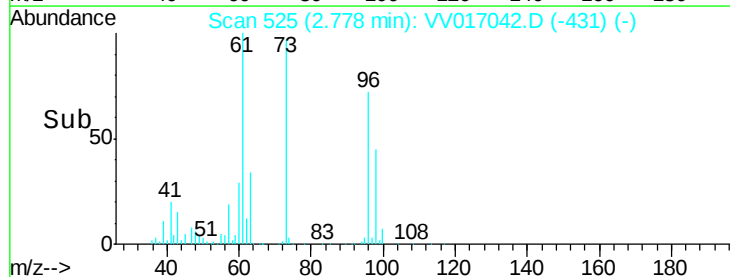
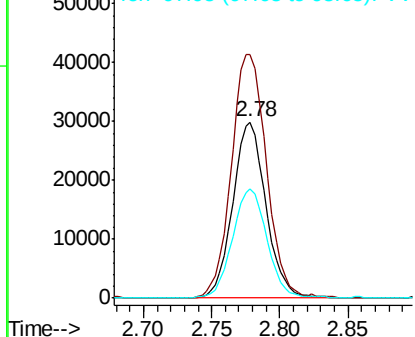


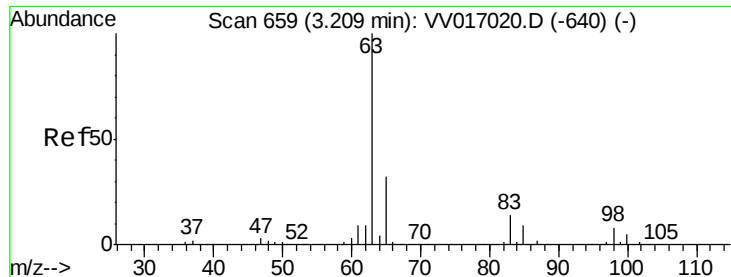
#18
trans-1,2-Dichloroethene
Concen: 5.079 ug/L
RT: 2.78 min Scan# 525
Delta R.T. 0.00 min
Lab File: VV017042.D
Acq: 23 Jun 2020 01:45

Tgt Ion: 96 Resp: 50635
Ion Ratio Lower Upper
96 100
61 138.3 102.3 189.9
98 61.9 44.7 82.9



Abundance Ion 96.00 (95.70 to 96.70): VV0
Ion 61.05 (60.75 to 61.75): VV0
Ion 97.95 (97.65 to 98.65): VV0

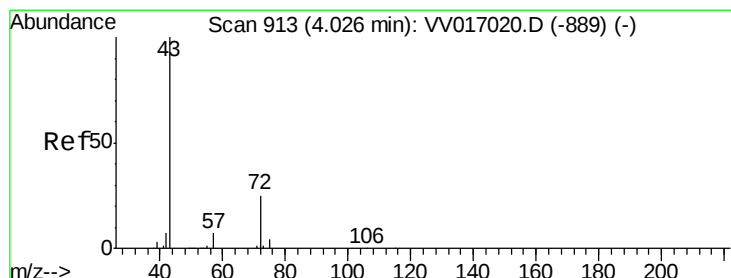
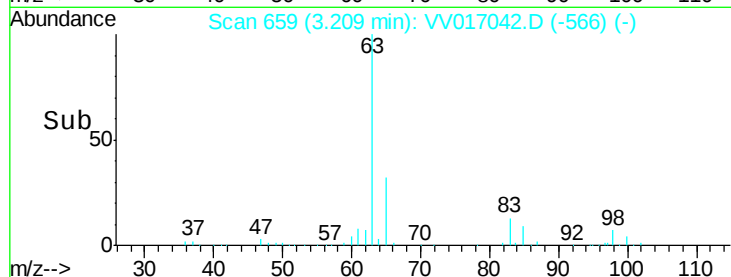
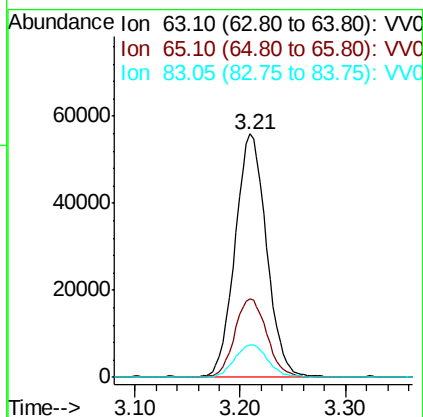
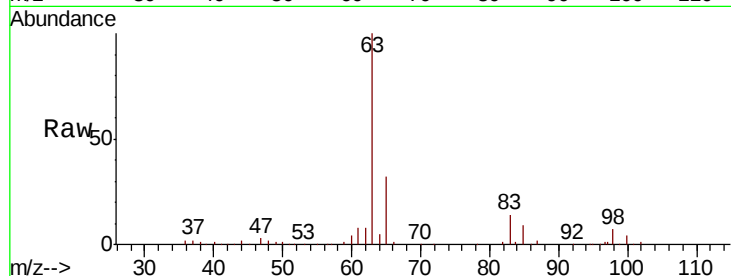




#19
 1,1-Dichloroethane
 Concen: 5.184 ug/L
 RT: 3.21 min Scan# 659
 Delta R.T. -0.00 min
 Lab File: VV017042.D
 Acq: 23 Jun 2020 01:45

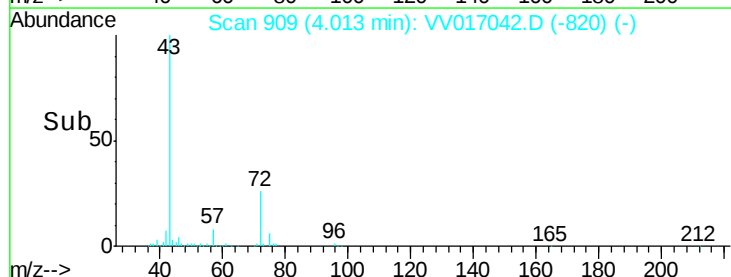
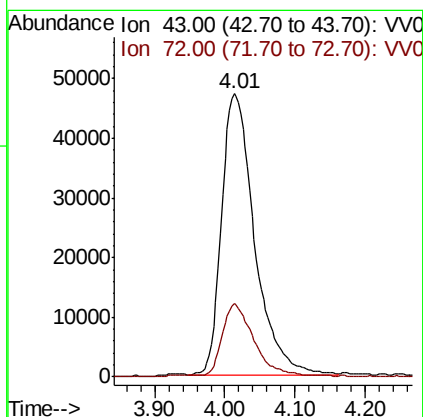
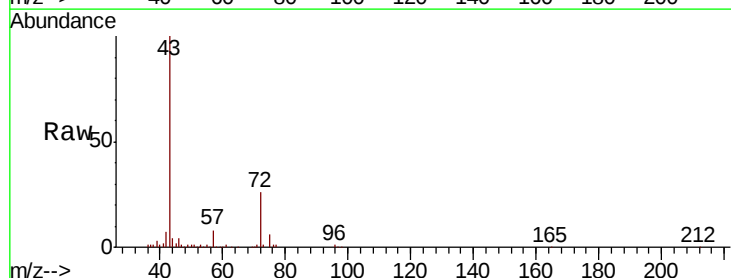
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00553

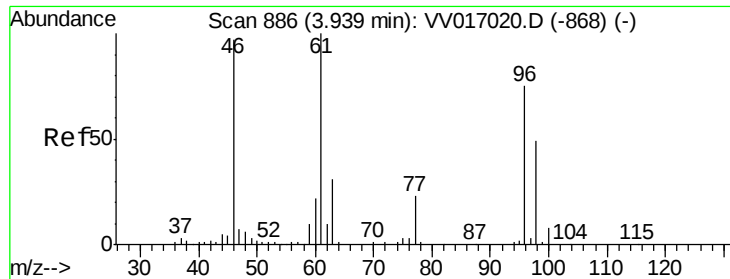
Tot Ion: 63 Resp: 116116
 Ion Ratio Lower Upper
 63 100
 65 32.0 21.8 40.4
 83 13.5 9.7 17.9



#21
 2-Butanone
 Concen: 53.912 ug/L
 RT: 4.01 min Scan# 909
 Delta R.T. -0.01 min
 Lab File: VV017042.D
 Acq: 23 Jun 2020 01:45

Tgt Ion: 43 Resp: 154035
 Ion Ratio Lower Upper
 43 100
 72 23.7 12.4 37.4



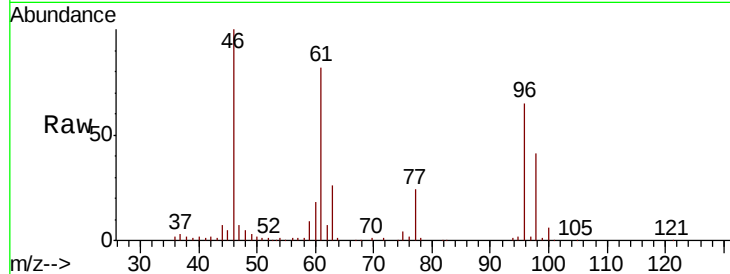


#22

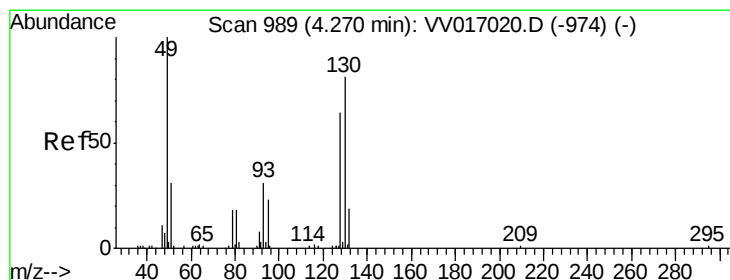
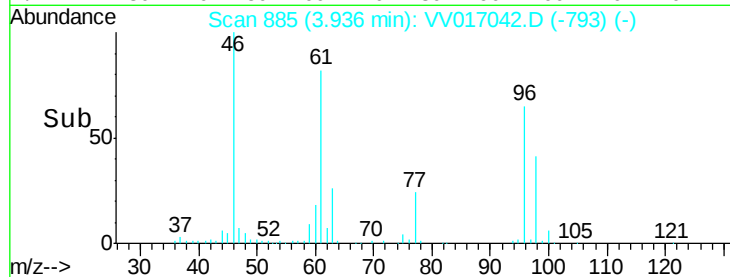
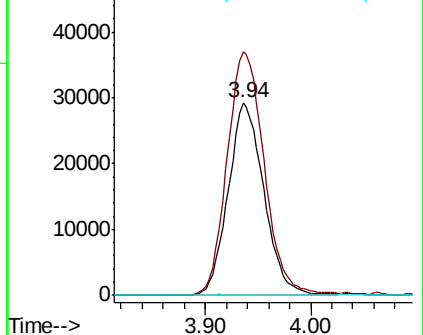
cis-1,2-Dichloroethene
 Concen: 5.038 ug/L
 RT: 3.94 min Scan# 885
 Delta R.T. -0.00 min
 Lab File: VV017042.D
 Acq: 23 Jun 2020 01:45

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00553

Tot Ion: 96 Resp: 68684
 Ion Ratio Lower Upper
 96 100
 61 126.5 91.0 169.0
 68 0.0 0.0 0.0



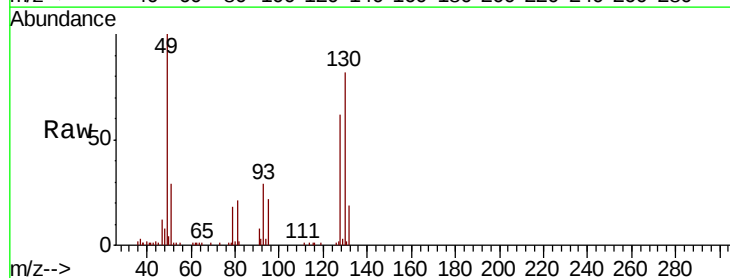
Abundance Ion 96.00 (95.70 to 96.70): VV0
 Ion 61.05 (60.75 to 61.75): VV0
 Ion 68.15 (67.85 to 68.85): VV0



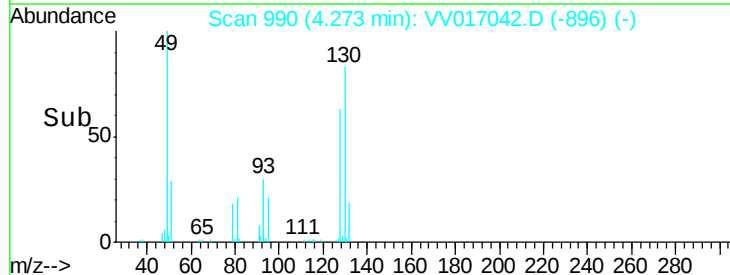
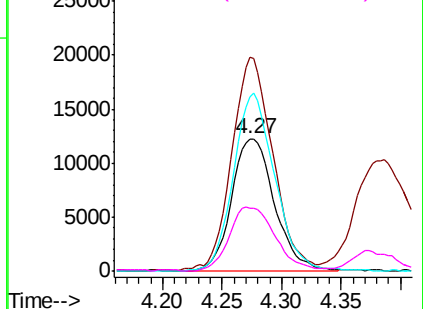
#23

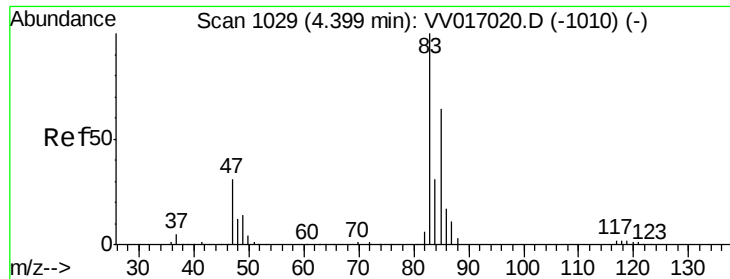
Bromochloromethane
 Concen: 5.283 ug/L
 RT: 4.27 min Scan# 990
 Delta R.T. 0.00 min
 Lab File: VV017042.D
 Acq: 23 Jun 2020 01:45

Tgt Ion: 128 Resp: 30610
 Ion Ratio Lower Upper
 128 100
 49 161.6 110.8 205.8
 130 132.0 86.0 159.8
 51 47.6 39.4 59.2



Abundance Ion 127.90 (127.60 to 128.60): V
 Ion 49.10 (48.80 to 49.80): VV0
 Ion 129.95 (129.65 to 130.65): V
 Ion 51.05 (50.75 to 51.75): VV0

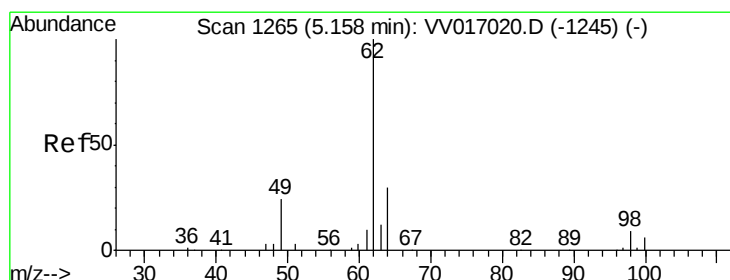
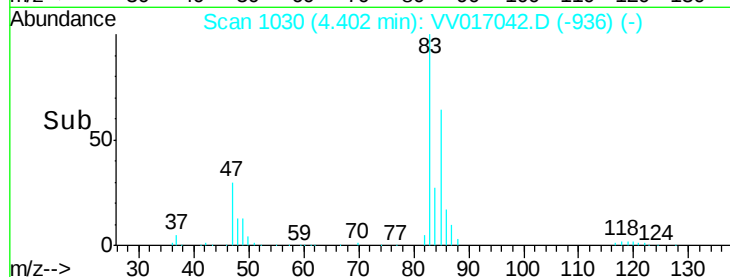
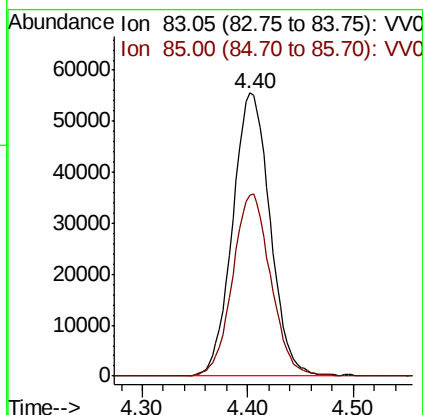
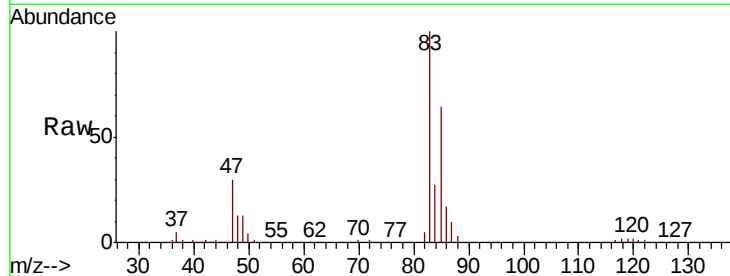




#25
Chloroform
Concen: 5.613 ug/L
RT: 4.40 min Scan# 1030
Delta R.T. 0.00 min
Lab File: VV017042.D
Acq: 23 Jun 2020 01:45

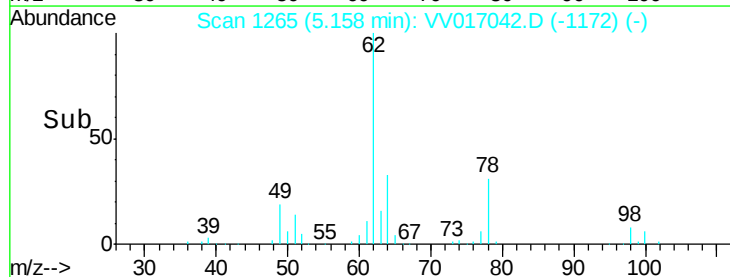
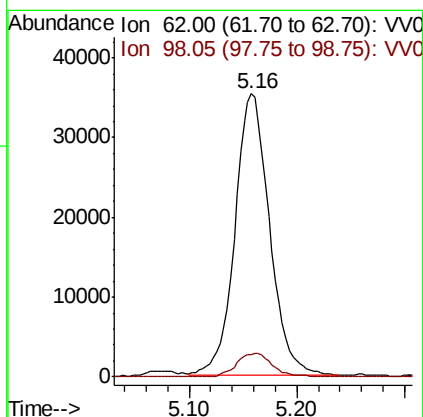
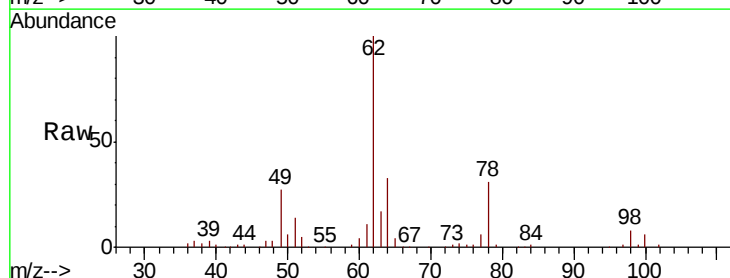
Instrument :
MSVOA_V
ClientSampleId :
VSTD00553

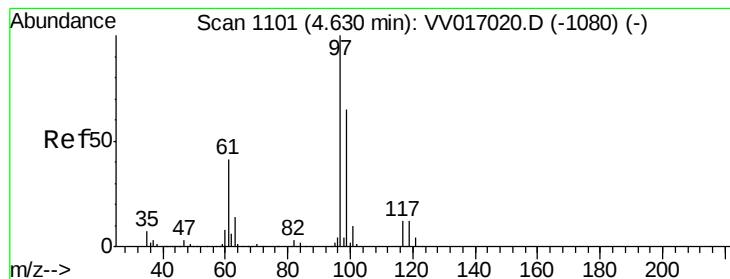
Tot Ion: 83 Resp: 137327
Ion Ratio Lower Upper
83 100
85 63.9 44.2 82.2



#27
1,2-Dichloroethane
Concen: 5.196 ug/L
RT: 5.16 min Scan# 1265
Delta R.T. -0.00 min
Lab File: VV017042.D
Acq: 23 Jun 2020 01:45

Tgt Ion: 62 Resp: 78976
Ion Ratio Lower Upper
62 100
98 8.0 6.7 10.1





#29

1,1,1-Trichloroethane

Concen: 5.406 ug/L

RT: 4.63 min Scan# 1102

Delta R.T. 0.00 min

Lab File: VV017042.D

Acq: 23 Jun 2020 01:45

Instrument :

MSVOA_V

ClientSampleId :

VSTD00553

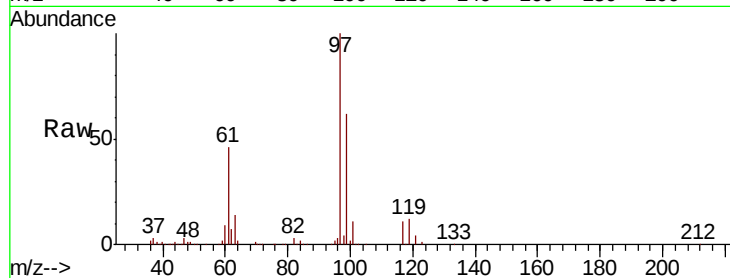
Tot Ion: 97 Resp: 120303

Ion Ratio Lower Upper

97 100

99 63.8 50.3 75.5

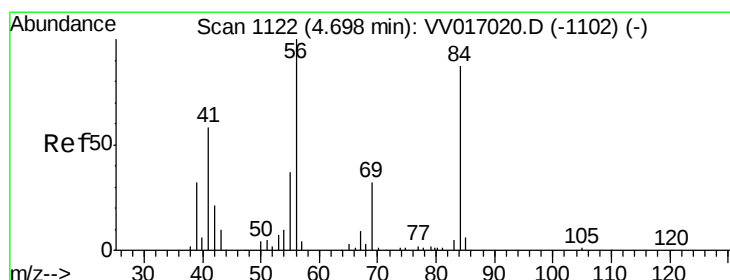
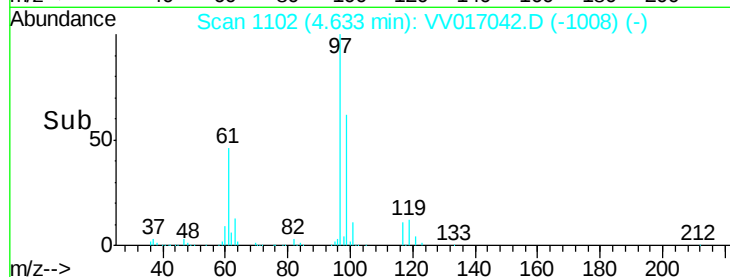
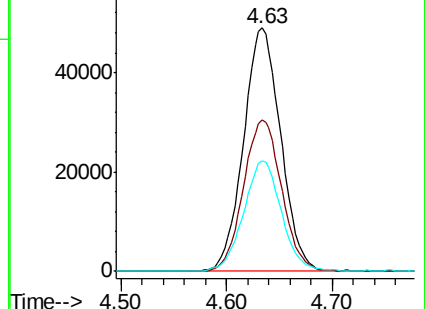
61 46.1 36.0 54.0



Abundance Ion 96.95 (96.65 to 97.65): VV0

Ion 99.05 (98.75 to 99.75): VV0

Ion 61.05 (60.75 to 61.75): VV0



#30

Cyclohexane

Concen: 4.890 ug/L

RT: 4.70 min Scan# 1123

Delta R.T. 0.00 min

Lab File: VV017042.D

Acq: 23 Jun 2020 01:45

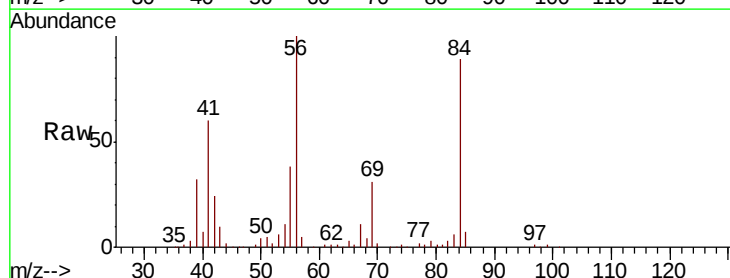
Tgt Ion: 56 Resp: 103546

Ion Ratio Lower Upper

56 100

69 31.2 24.4 36.6

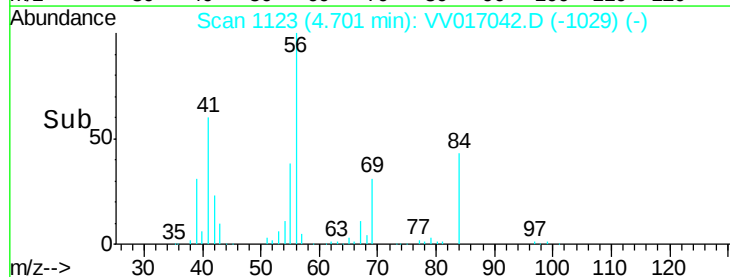
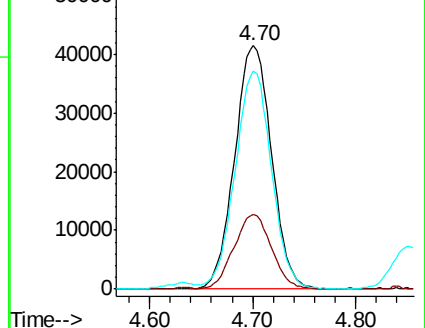
84 88.8 69.9 104.9

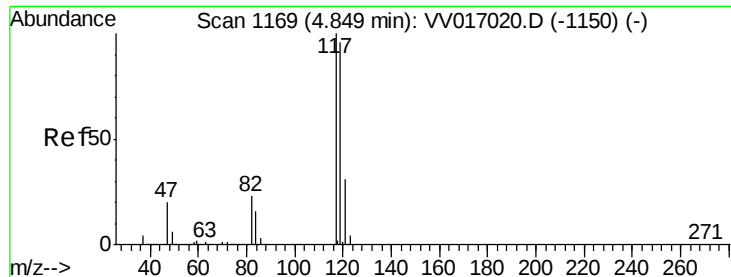


Abundance Ion 56.10 (55.80 to 56.80): VV0

Ion 69.15 (68.85 to 69.85): VV0

Ion 84.15 (83.85 to 84.85): VV0





#31

Carbon tetrachloride

Concen: 5.144 ug/L

RT: 4.85 min Scan# 1170

Delta R.T. 0.00 min

Lab File: VV017042.D

Acq: 23 Jun 2020 01:45

Instrument :

MSVOA_V

ClientSampleId :

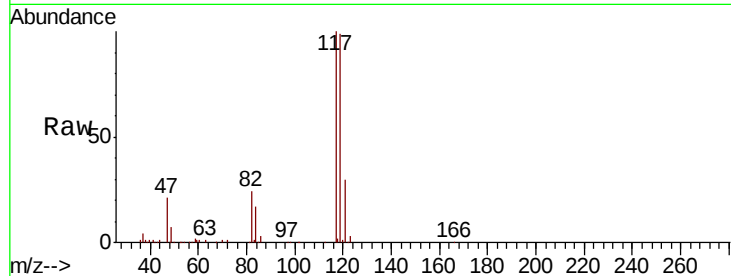
VSTD00553

Tot Ion:117 Resp: 103285

Ion Ratio Lower Upper

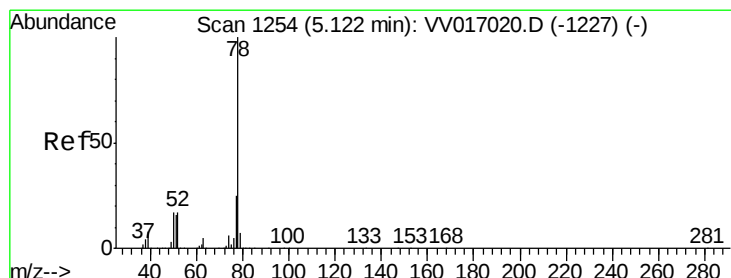
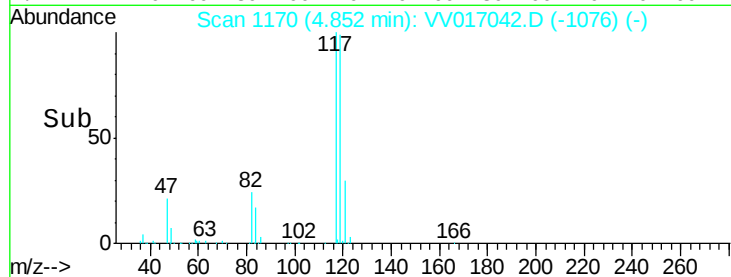
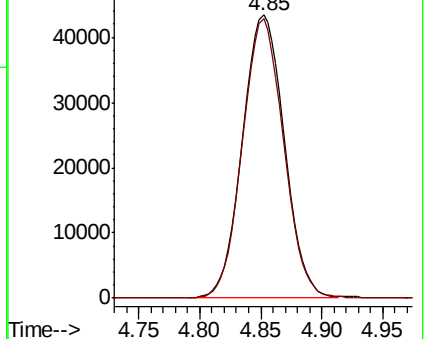
117 100

119 97.0 77.8 116.8



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V



#33

Benzene

Concen: 5.254 ug/L

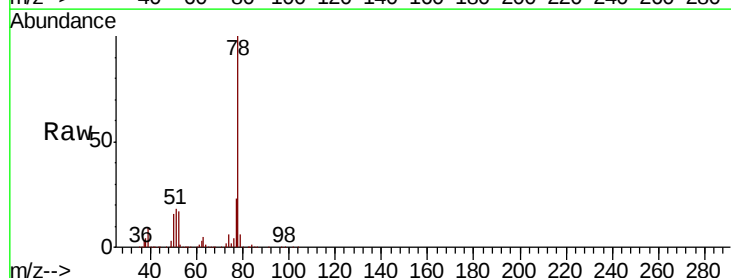
RT: 5.13 min Scan# 1255

Delta R.T. 0.00 min

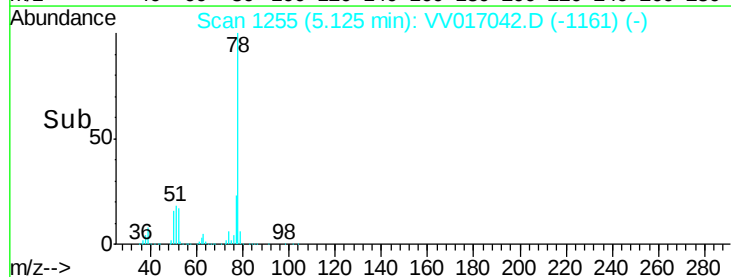
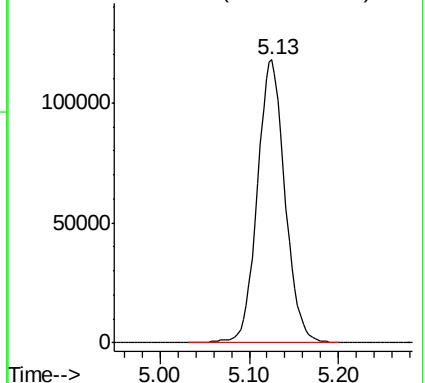
Lab File: VV017042.D

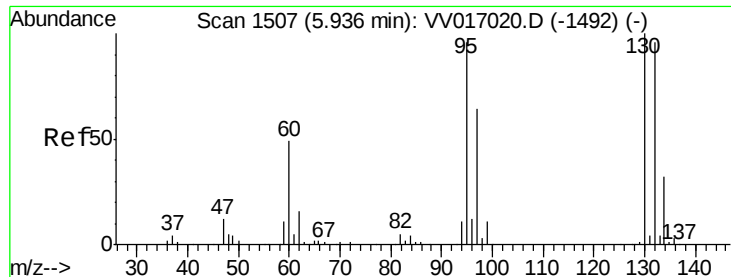
Acq: 23 Jun 2020 01:45

Tgt Ion: 78 Resp: 255564



Abundance Ion 78.10 (77.80 to 78.80): VV0





#34

Trichloroethene

Concen: 4.959 ug/L

RT: 5.94 min Scan# 1508

Delta R.T. 0.00 min

Lab File: VV017042.D

Acq: 23 Jun 2020 01:45

Instrument :

MSVOA_V

ClientSampleId :

VSTD00553

Tot Ion: 95 Resp: 70632

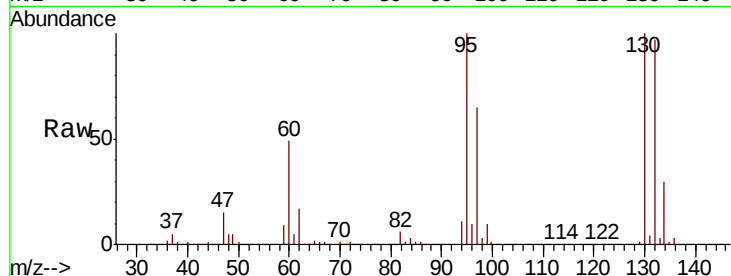
Ion Ratio Lower Upper

95 100

97 65.2 45.3 84.1

132 96.8 68.8 127.8

130 100.3 70.2 130.4

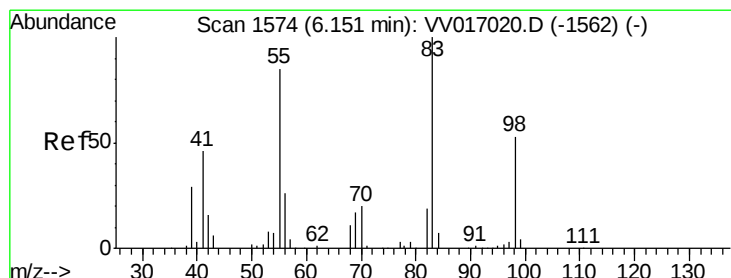
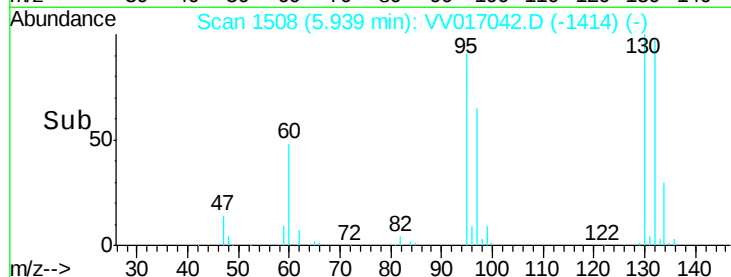
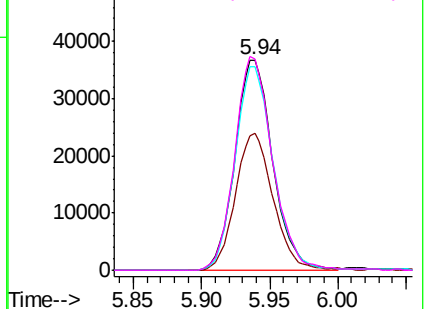


Abundance Ion 95.00 (94.70 to 95.70): VV0

Ion 96.95 (96.65 to 97.65): VV0

Ion 131.95 (131.65 to 132.65): VV0

Ion 129.95 (129.65 to 130.65): VV0



#35

Methylcyclohexane

Concen: 4.806 ug/L

RT: 6.15 min Scan# 1575

Delta R.T. 0.00 min

Lab File: VV017042.D

Acq: 23 Jun 2020 01:45

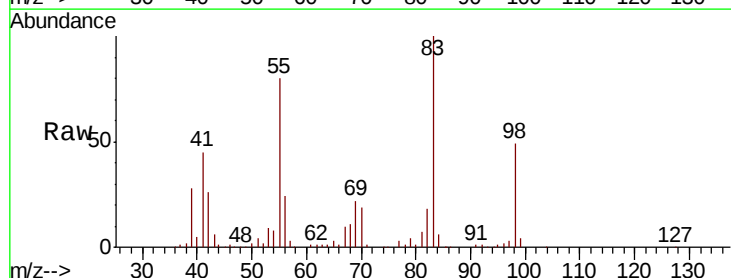
Tgt Ion: 83 Resp: 106404

Ion Ratio Lower Upper

83 100

55 79.1 63.6 95.4

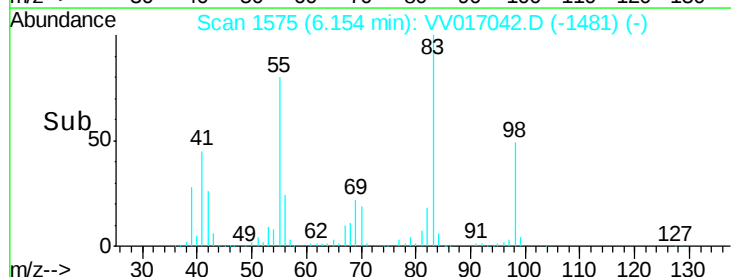
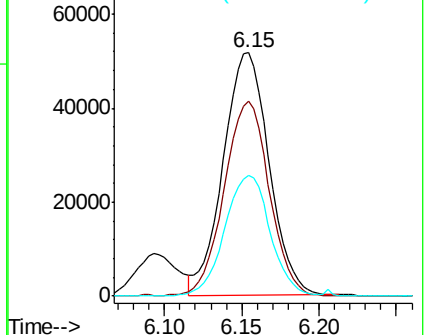
98 49.2 38.8 58.2

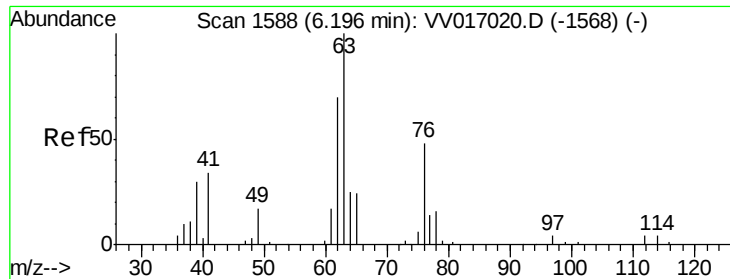


Abundance Ion 83.15 (82.85 to 83.85): VV0

Ion 55.10 (54.80 to 55.80): VV0

Ion 98.15 (97.85 to 98.85): VV0

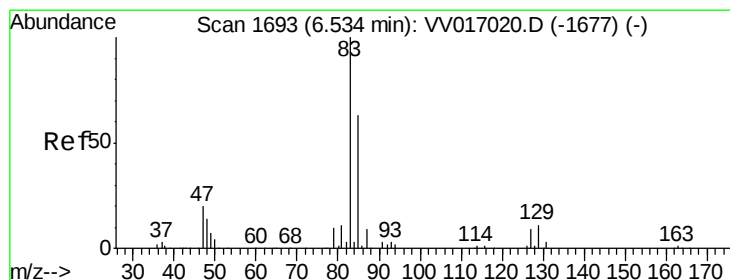
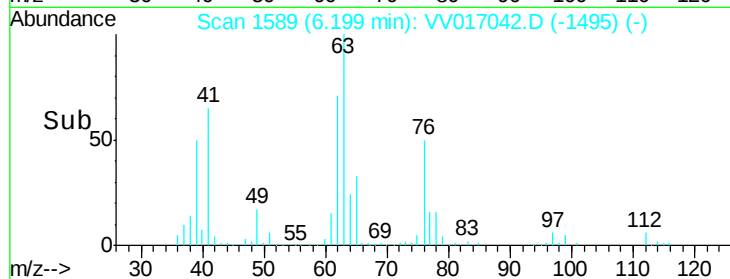
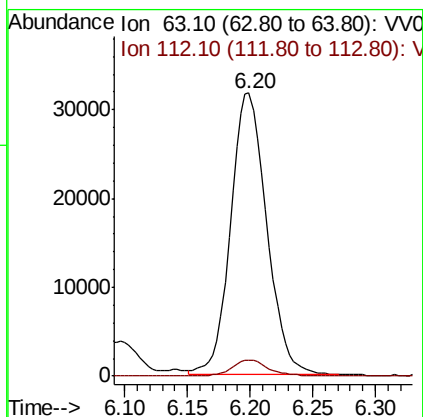
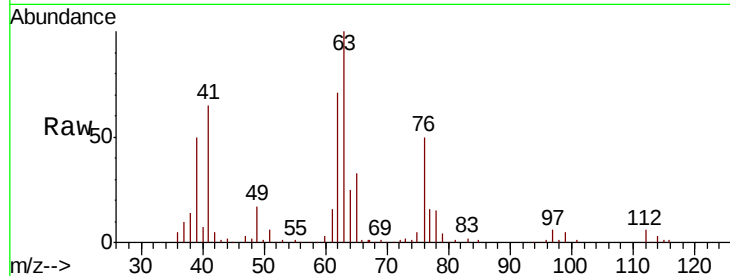




#37
 1,2-Dichloropropane
 Concen: 5.246 ug/L
 RT: 6.20 min Scan# 1589
 Delta R.T. 0.00 min
 Lab File: VV017042.D
 Acq: 23 Jun 2020 01:45

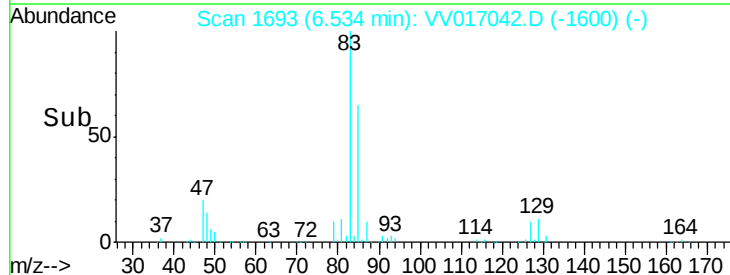
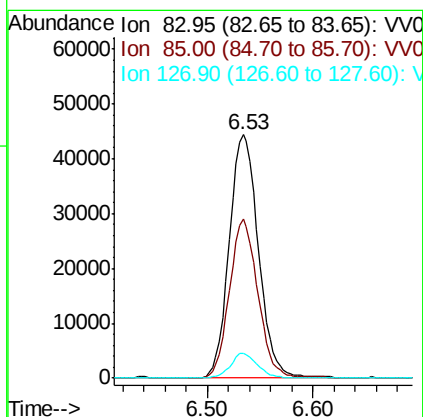
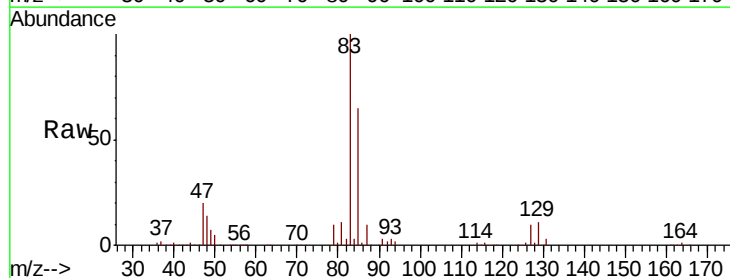
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00553

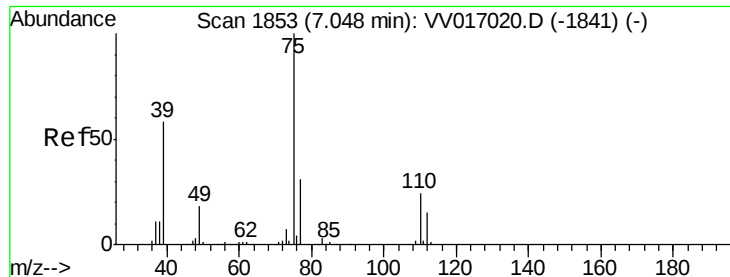
Tot Ion: 63 Resp: 63168
 Ion Ratio Lower Upper
 63 100
 112 5.8 4.4 6.6



#38
 Bromodichloromethane
 Concen: 5.210 ug/L
 RT: 6.53 min Scan# 1693
 Delta R.T. -0.00 min
 Lab File: VV017042.D
 Acq: 23 Jun 2020 01:45

Tgt Ion: 83 Resp: 85206
 Ion Ratio Lower Upper
 83 100
 85 65.2 43.4 80.6
 127 10.4 7.9 11.9

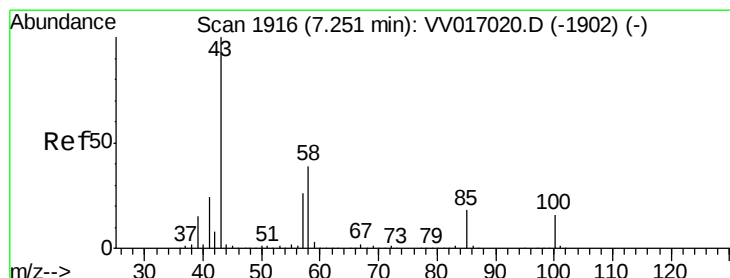
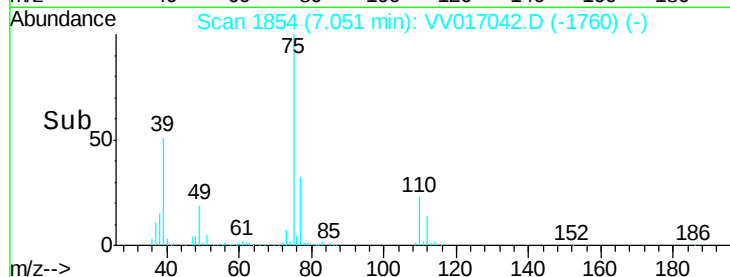
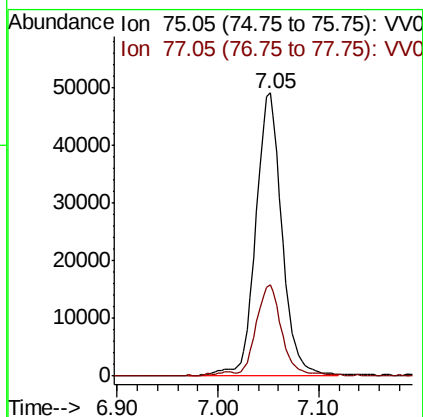
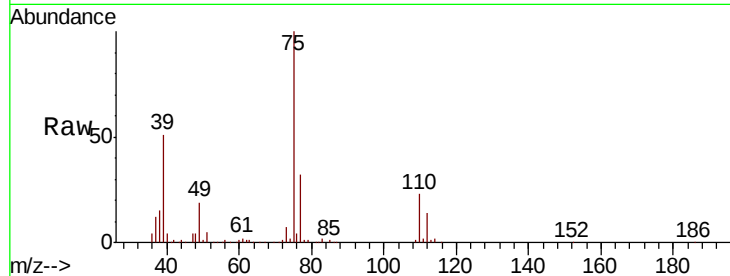




#39
 cis-1,3-Dichloropropene
 Concen: 4.939 ug/L
 RT: 7.05 min Scan# 1854
 Delta R.T. 0.00 min
 Lab File: VV017042.D
 Acq: 23 Jun 2020 01:45

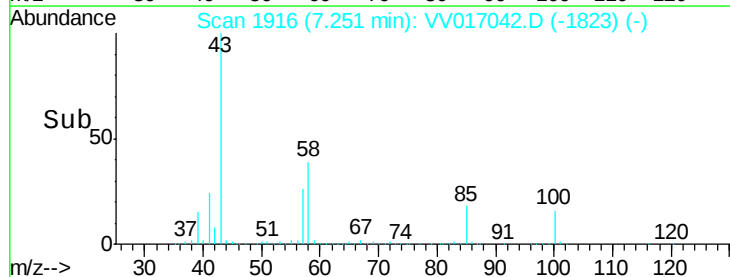
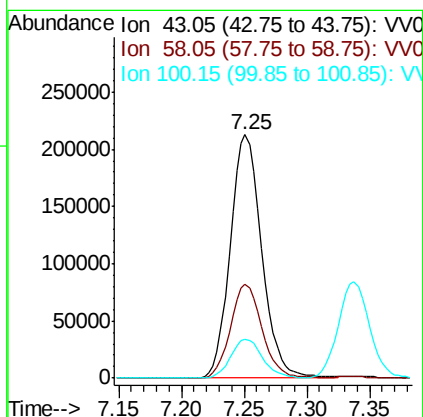
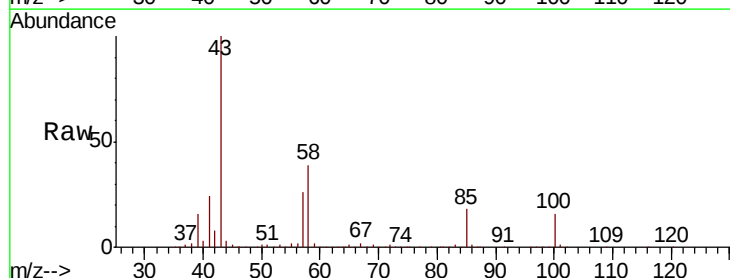
Instrument :
 MSVOA_V
 ClientSampled :
 VSTD00553

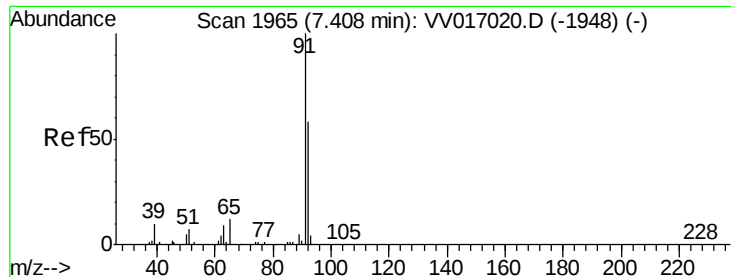
Tot Ion: 75 Resp: 88351
 Ion Ratio Lower Upper
 75 100
 77 32.1 22.3 41.5



#40
 4-Methyl-2-pentanone
 Concen: 53.217 ug/L
 RT: 7.25 min Scan# 1916
 Delta R.T. -0.00 min
 Lab File: VV017042.D
 Acq: 23 Jun 2020 01:45

Tgt Ion: 43 Resp: 369964
 Ion Ratio Lower Upper
 43 100
 58 38.7 30.4 45.6
 100 16.2 12.7 19.1





#42

Toluene

Concen: 4.943 ug/L

RT: 7.41 min Scan# 1965

Delta R.T. -0.00 min

Lab File: VV017042.D

Acq: 23 Jun 2020 01:45

Instrument :

MSVOA_V

ClientSampleId :

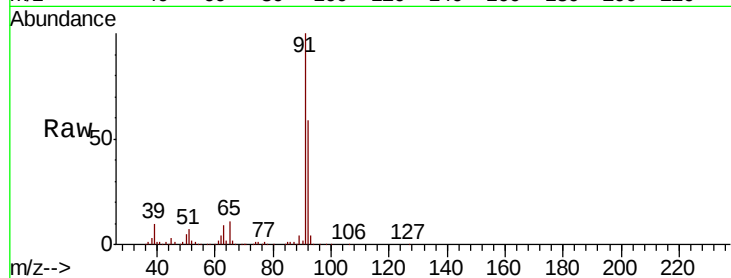
VSTD00553

Tot Ion: 91 Resp: 279546

Ion Ratio Lower Upper

91 100

92 59.2 39.9 74.1



Abundance Ion 91.15 (90.85 to 91.85): VV017020.D (-1948) (-)

Ion 92.15 (91.85 to 92.85): VV017020.D (-1948) (-)

7.41

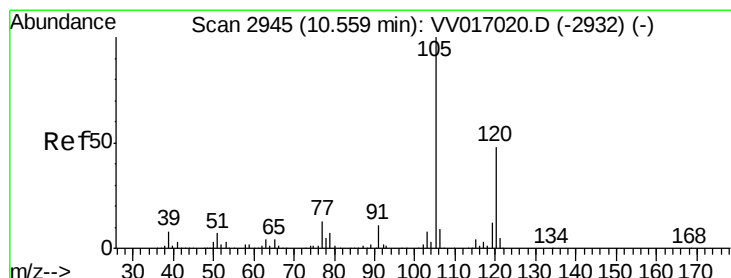
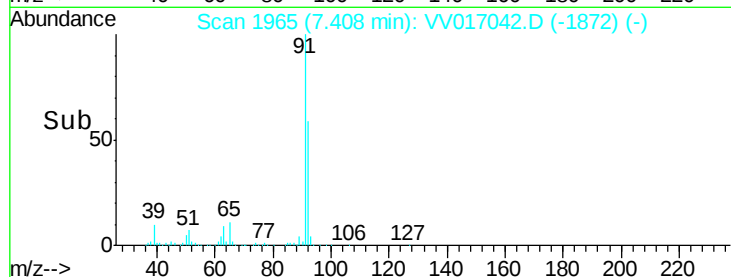
150000

100000

50000

0

Time-->



#43

1,3,5-Trimethylbenzene

Concen: 5.180 ug/L

RT: 10.56 min Scan# 2945

Delta R.T. -0.00 min

Lab File: VV017042.D

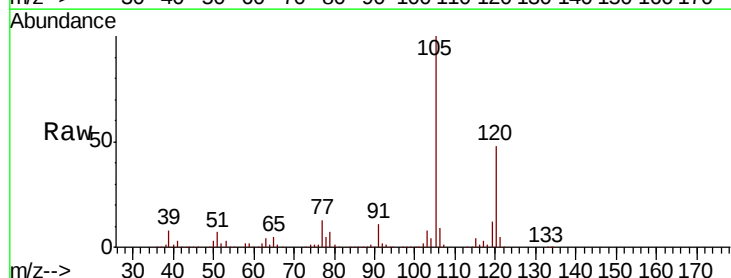
Acq: 23 Jun 2020 01:45

Tgt Ion:105 Resp: 261970

Ion Ratio Lower Upper

105 100

120 47.9 38.6 57.8



Abundance Ion 105.00 (104.70 to 105.70): VV017020.D (-2932) (-)

Ion 120.00 (119.70 to 120.70): VV017020.D (-2932) (-)

10.56

200000

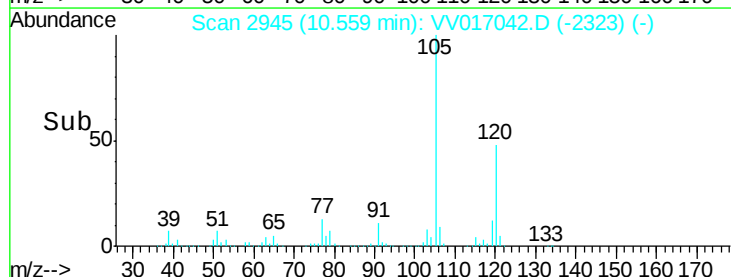
150000

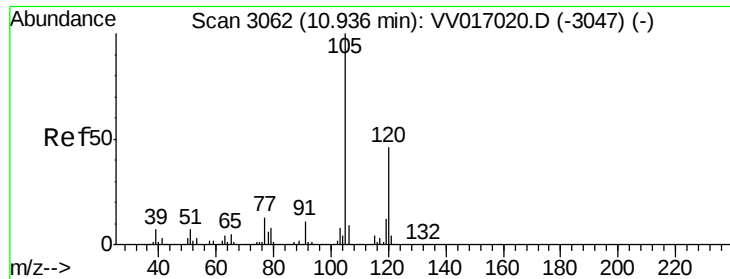
100000

50000

0

Time-->

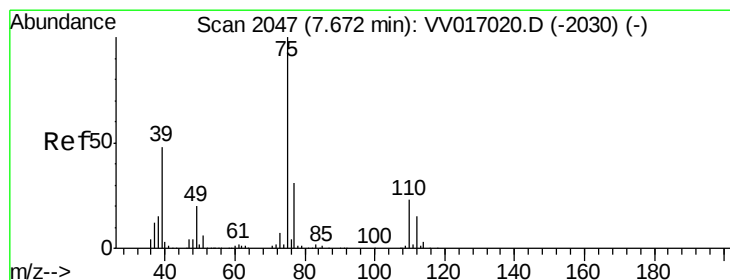
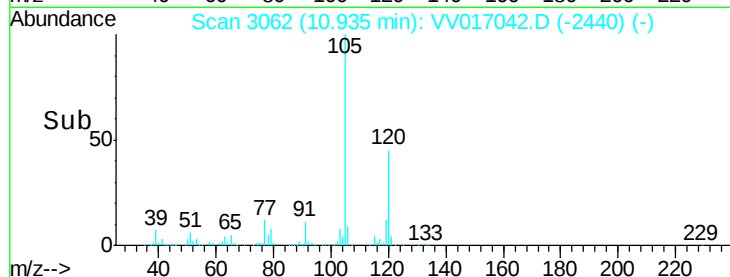
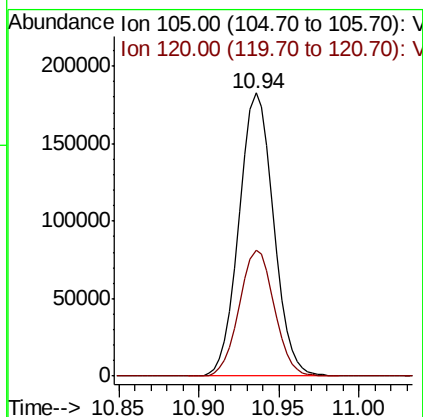
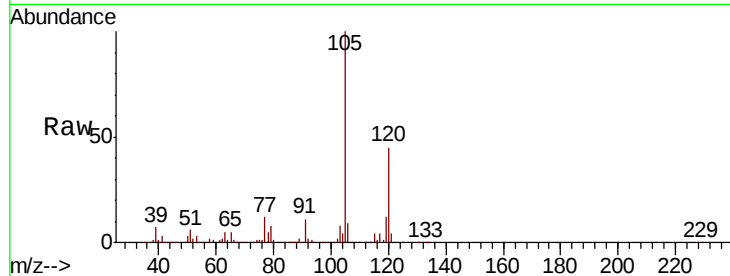




#44
 1,2,4-Trimethylbenzene
 Concen: 5.201 ug/L
 RT: 10.94 min Scan# 3062
 Delta R.T. -0.00 min
 Lab File: VV017042.D
 Acq: 23 Jun 2020 01:45

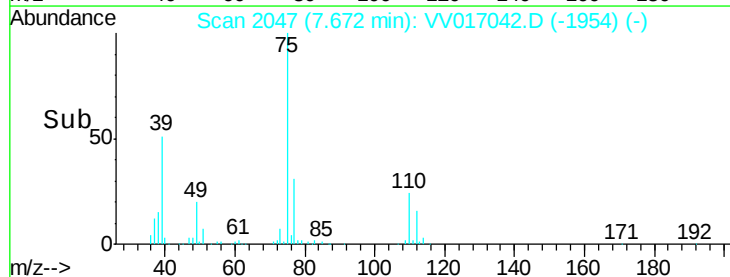
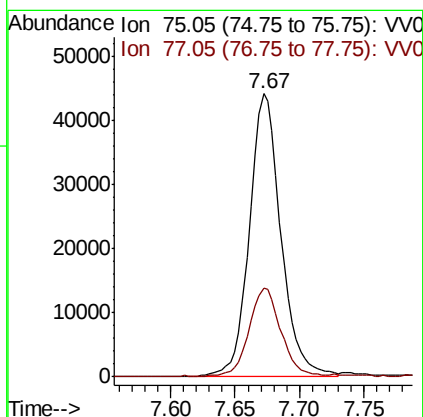
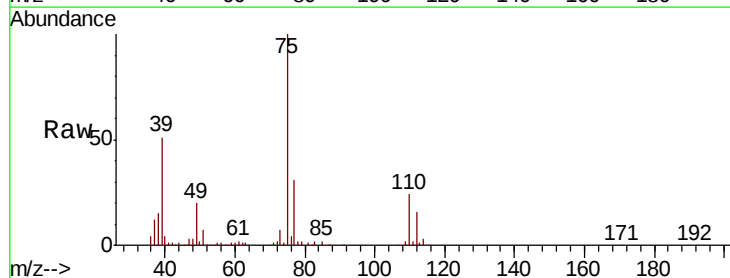
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00553

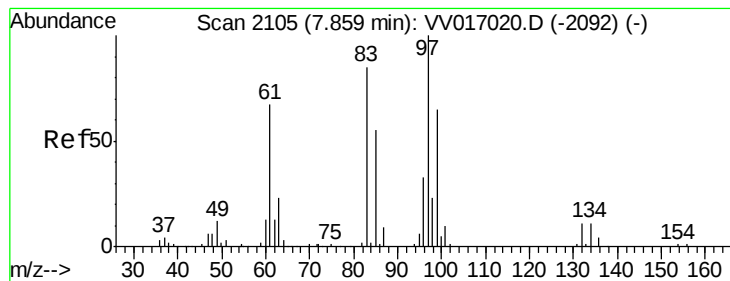
Tot Ion: 105 Resp: 267832
 Ion Ratio Lower Upper
 105 100
 120 45.3 35.8 53.8



#46
 trans-1,3-Dichloropropene
 Concen: 4.877 ug/L
 RT: 7.67 min Scan# 2047
 Delta R.T. -0.00 min
 Lab File: VV017042.D
 Acq: 23 Jun 2020 01:45

Tgt Ion: 75 Resp: 75467
 Ion Ratio Lower Upper
 75 100
 77 31.2 22.3 41.3





#47

1,1,2-Trichloroethane

Concen: 5.224 ug/L

RT: 7.86 min Scan# 2106

Delta R.T. 0.00 min

Lab File: VV017042.D

Acq: 23 Jun 2020 01:45

Instrument :

MSVOA_V

ClientSampleId :

VSTD00553

Tot Ion: 97 Resp: 44617

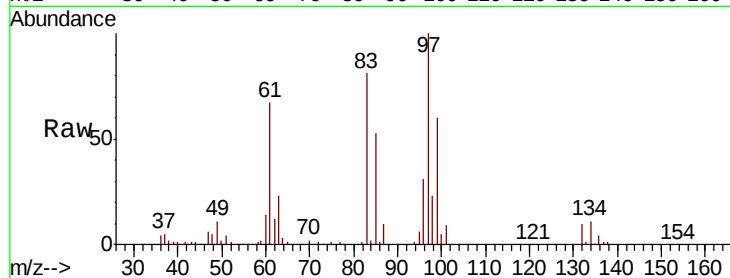
Ion Ratio Lower Upper

97 100

99 60.4 43.6 81.0

83 81.4 57.4 106.6

85 52.7 38.8 72.0

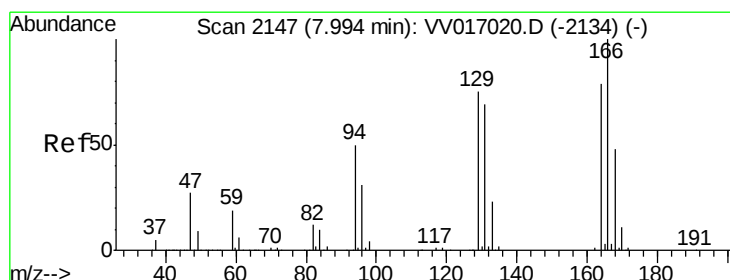
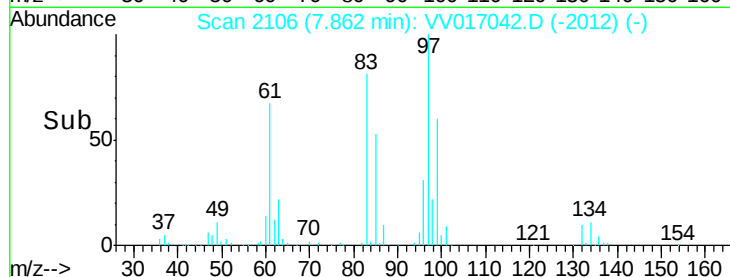
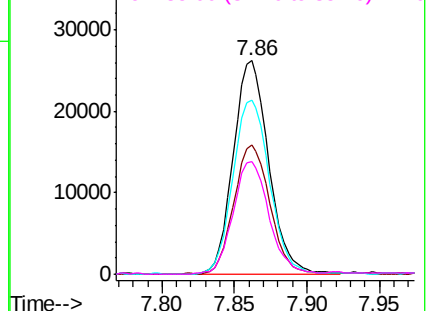


Abundance Ion 96.95 (96.65 to 97.65): VV017042.D (-2092) (-)

Ion 99.05 (98.75 to 99.75): VV017042.D (-2092) (-)

Ion 82.95 (82.65 to 83.65): VV017042.D (-2092) (-)

Ion 85.00 (84.70 to 85.70): VV017042.D (-2092) (-)



#49

Tetrachloroethene

Concen: 5.000 ug/L

RT: 8.00 min Scan# 2148

Delta R.T. 0.00 min

Lab File: VV017042.D

Acq: 23 Jun 2020 01:45

Tgt Ion: 164 Resp: 57324

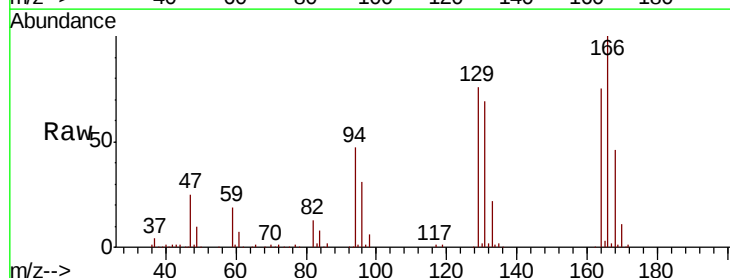
Ion Ratio Lower Upper

164 100

129 101.5 65.2 121.0

131 92.2 64.1 119.1

166 133.3 90.2 167.4

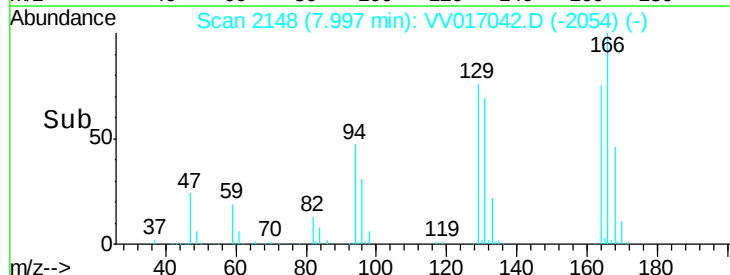
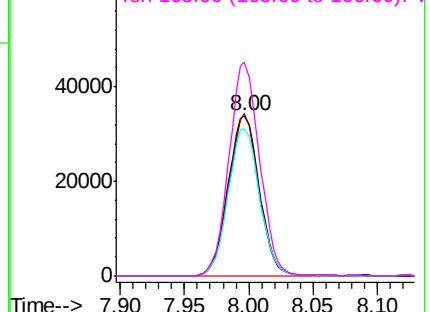


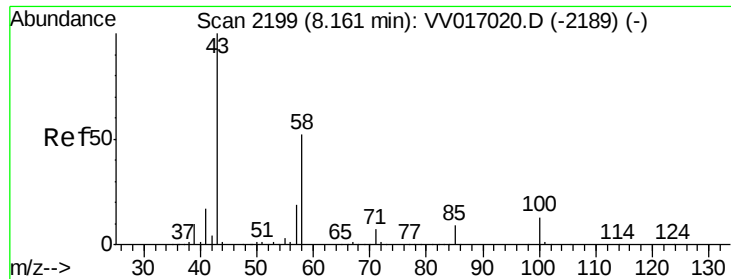
Abundance Ion 163.90 (163.60 to 164.60): VV017042.D (-2054) (-)

Ion 128.95 (128.65 to 129.65): VV017042.D (-2054) (-)

Ion 130.95 (130.65 to 131.65): VV017042.D (-2054) (-)

Ion 165.90 (165.60 to 166.60): VV017042.D (-2054) (-)

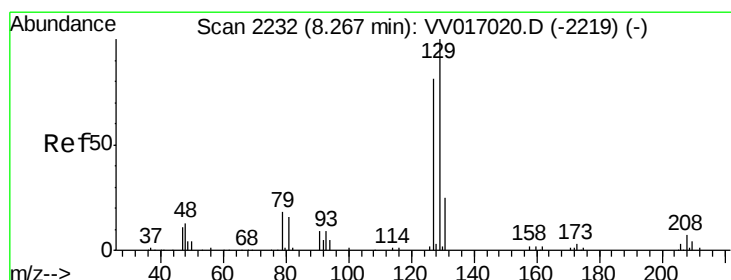
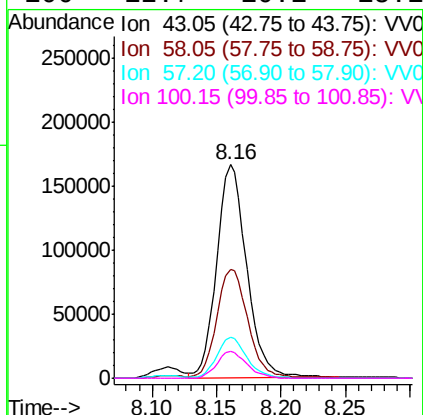
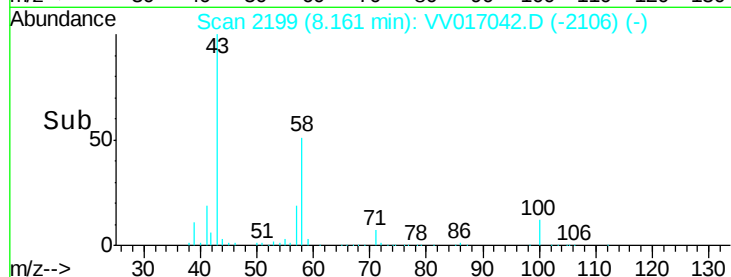
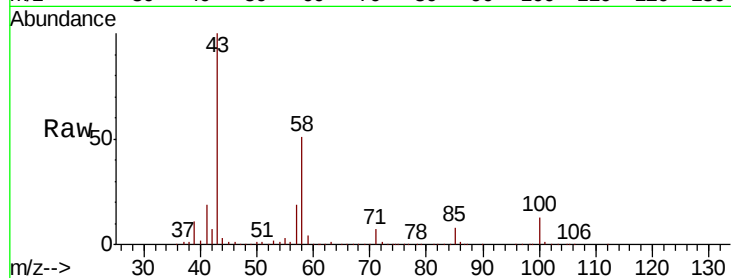




#50
2-Hexanone
Concen: 54.255 ug/L
RT: 8.16 min Scan# 2199
Delta R.T. -0.00 min
Lab File: VV017042.D
Acq: 23 Jun 2020 01:45

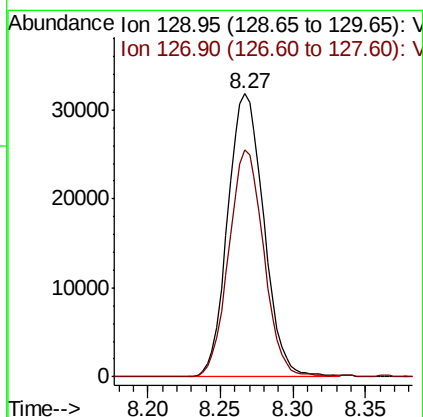
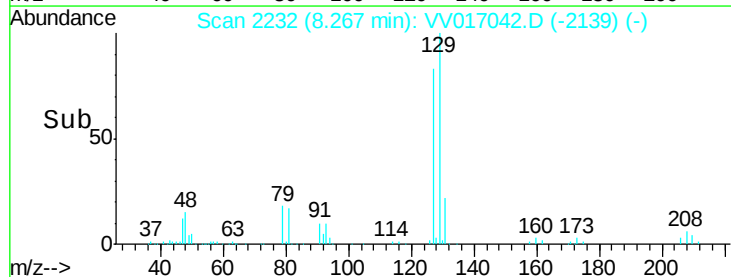
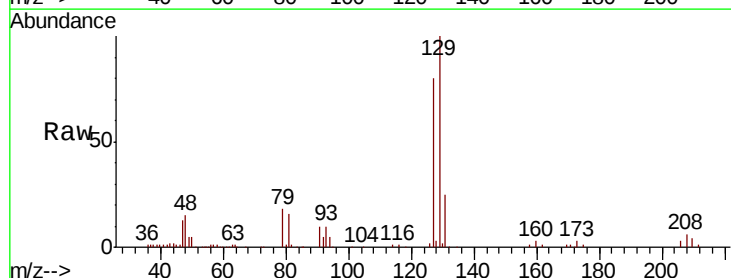
Instrument :
MSVOA_V
ClientSampleId :
VSTD00553

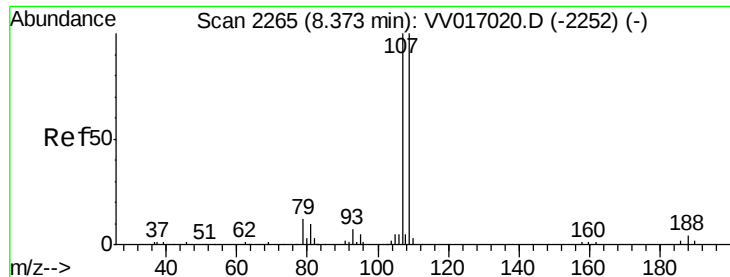
Tot Ion: 43 Resp: 268424
Ion Ratio Lower Upper
43 100
58 53.2 41.6 62.4
57 19.3 15.4 23.0
100 12.7 10.1 15.1



#51
Dibromochloromethane
Concen: 5.310 ug/L
RT: 8.27 min Scan# 2232
Delta R.T. -0.00 min
Lab File: VV017042.D
Acq: 23 Jun 2020 01:45

Tgt Ion: 129 Resp: 54968
Ion Ratio Lower Upper
129 100
127 80.1 54.1 100.5





#52

1,2-Dibromoethane

Concen: 5.229 ug/L

RT: 8.37 min Scan# 2265

Delta R.T. -0.00 min

Lab File: VV017042.D

Acq: 23 Jun 2020 01:45

Instrument :

MSVOA_V

ClientSampleId :

VSTD00553

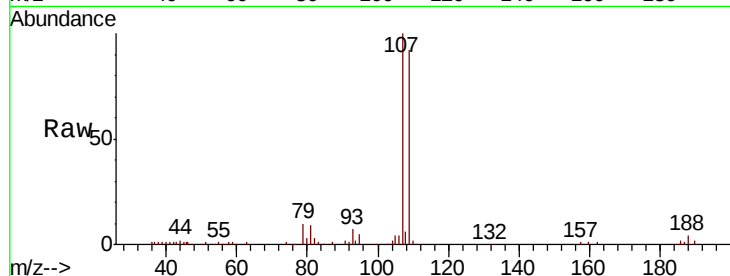
Tot Ion:107 Resp: 42353

Ion Ratio Lower Upper

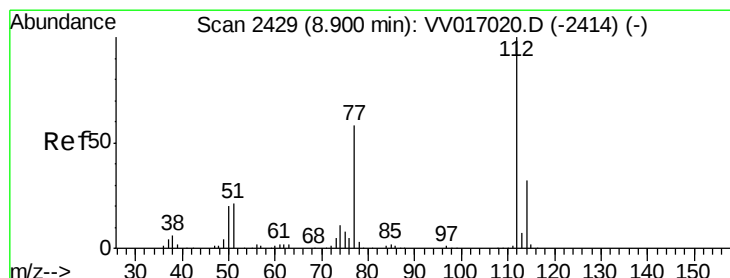
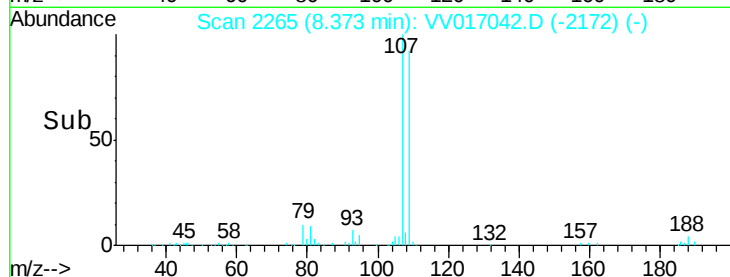
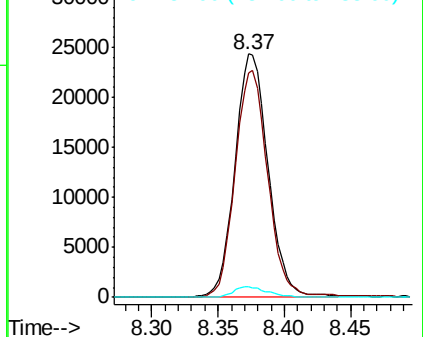
107 100

109 92.3 69.4 128.8

188 4.4 3.9 5.9



Abundance Ion 106.95 (106.65 to 107.65): V
Ion 109.00 (108.70 to 109.70): V
Ion 187.90 (187.60 to 188.60): V



#53

Chlorobenzene

Concen: 5.137 ug/L

RT: 8.90 min Scan# 2430

Delta R.T. 0.00 min

Lab File: VV017042.D

Acq: 23 Jun 2020 01:45

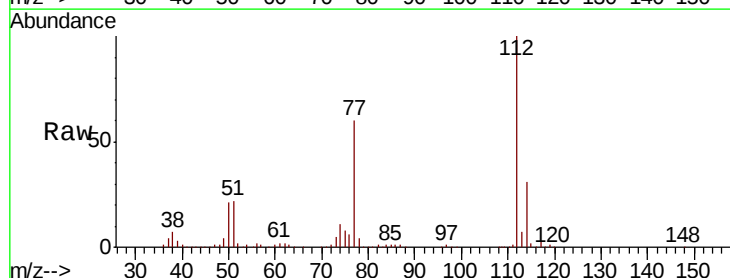
Tgt Ion:112 Resp: 181077

Ion Ratio Lower Upper

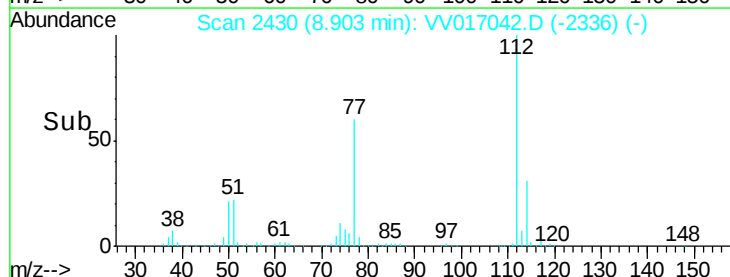
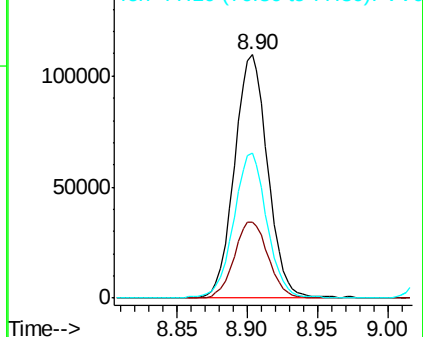
112 100

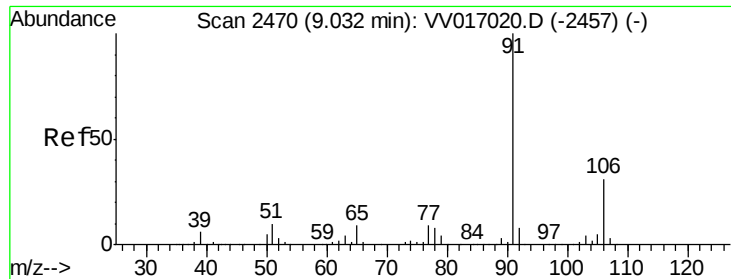
114 31.5 22.0 41.0

77 59.8 46.0 69.0



Abundance Ion 112.10 (111.80 to 112.80): V
Ion 114.05 (113.75 to 114.75): V
Ion 77.10 (76.80 to 77.80): V





#54

Ethylbenzene

Concen: 5.162 ug/L

RT: 9.03 min Scan# 2470

Delta R.T. -0.00 min

Lab File: VV017042.D

Acq: 23 Jun 2020 01:45

Instrument :

MSVOA_V

ClientSampleId :

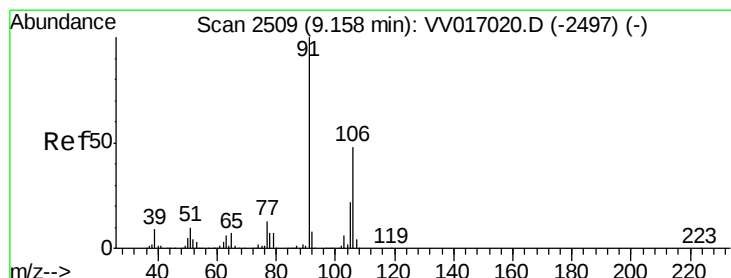
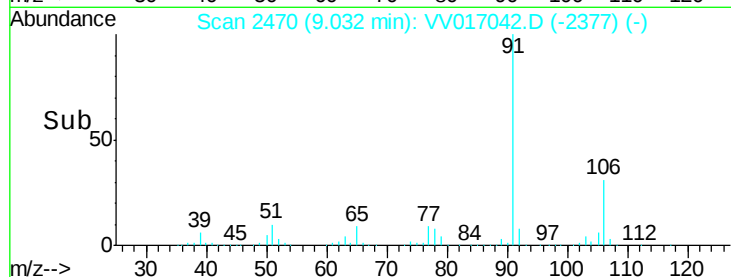
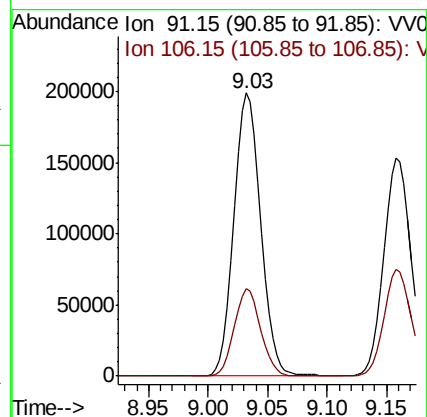
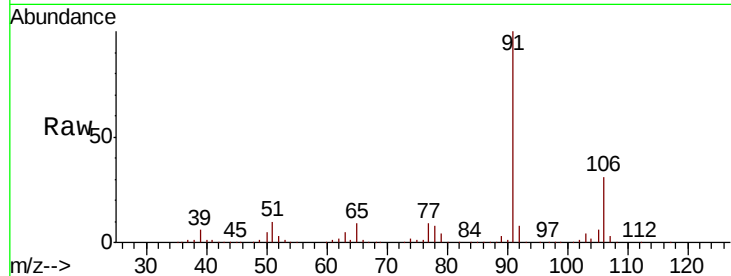
VSTD00553

Tot Ion: 91 Resp: 311583

Ion Ratio Lower Upper

91 100

106 30.8 21.1 39.1



#55

m,p-xylene

Concen: 5.070 ug/L

RT: 9.16 min Scan# 2509

Delta R.T. -0.00 min

Lab File: VV017042.D

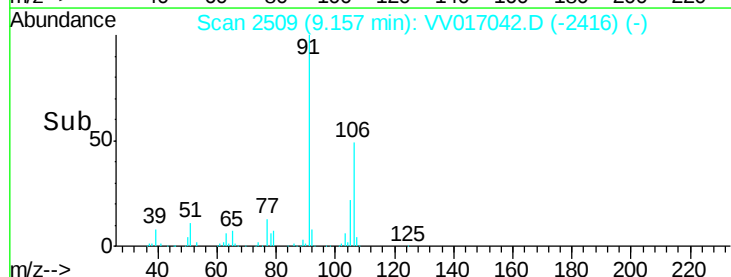
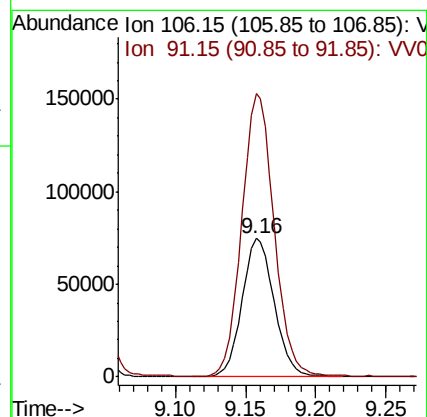
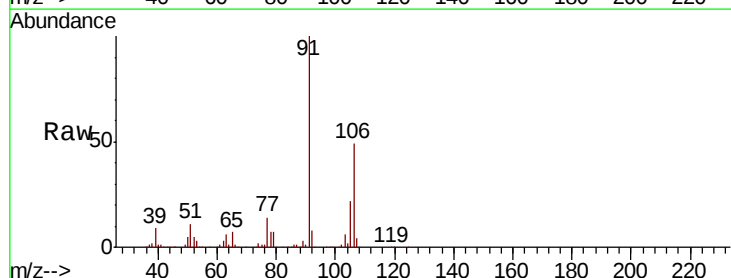
Acq: 23 Jun 2020 01:45

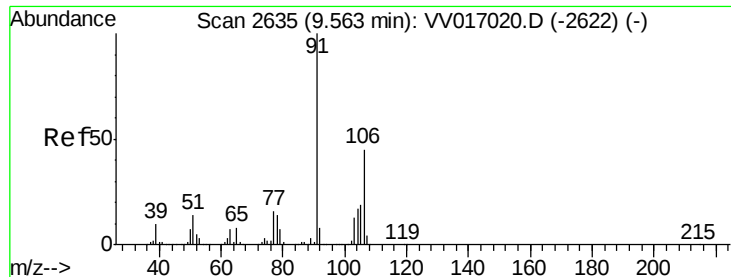
Tgt Ion: 106 Resp: 120025

Ion Ratio Lower Upper

106 100

91 204.7 142.7 264.9

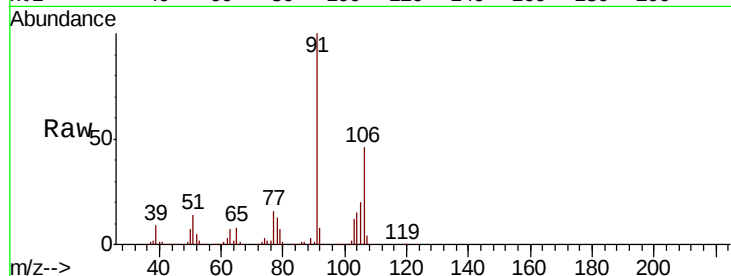




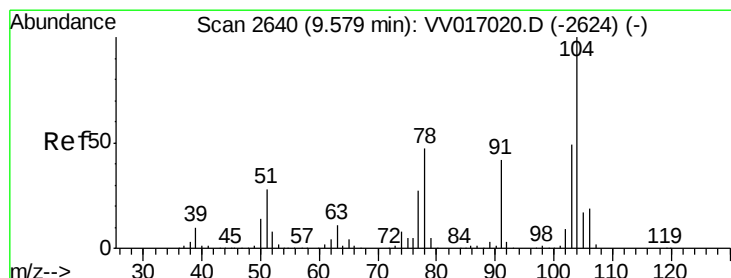
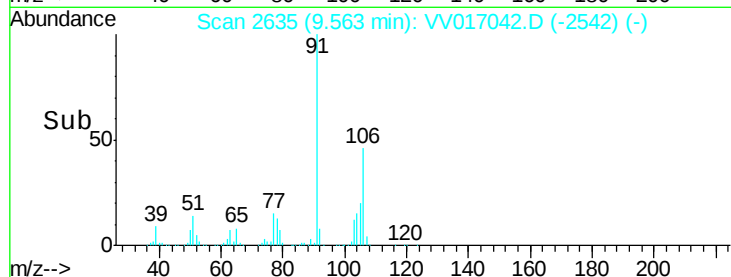
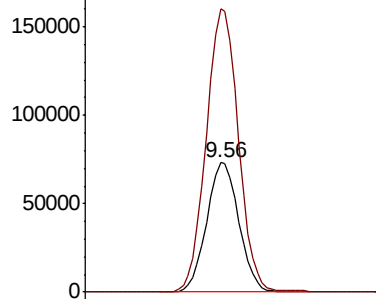
#56
o-xylene
Concen: 5.128 ug/L
RT: 9.56 min Scan# 2635
Delta R.T. -0.00 min
Lab File: VV017042.D
Acq: 23 Jun 2020 01:45

Instrument :
MSVOA_V
ClientSampleId :
VSTD00553

Tot Ion:106 Resp: 113289
Ion Ratio Lower Upper
106 100
91 218.8 153.6 285.2

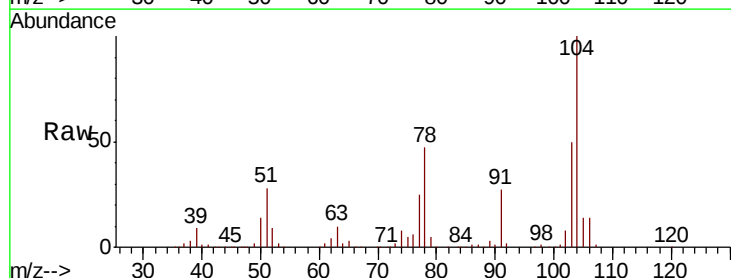


Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VV0

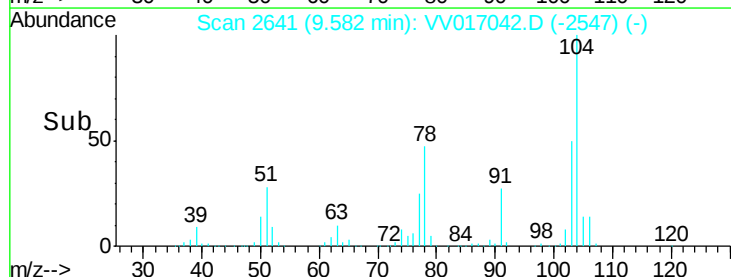
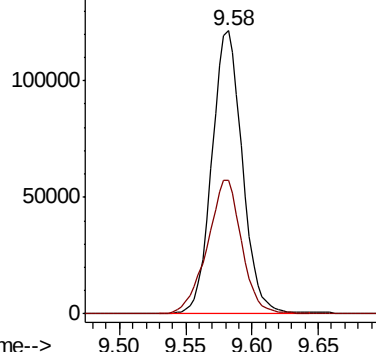


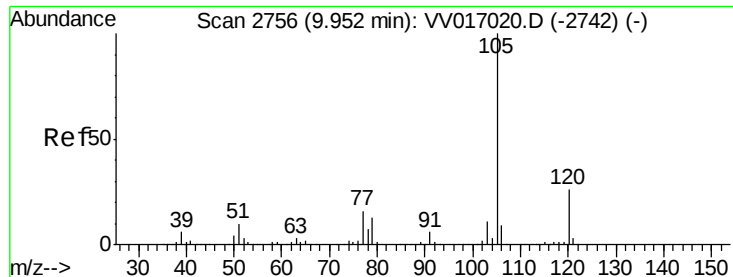
#57
Styrene
Concen: 5.303 ug/L
RT: 9.58 min Scan# 2641
Delta R.T. 0.00 min
Lab File: VV017042.D
Acq: 23 Jun 2020 01:45

Tgt Ion:104 Resp: 194139
Ion Ratio Lower Upper
104 100
78 47.3 33.9 62.9



Abundance Ion 104.10 (103.80 to 104.80): V
Ion 78.10 (77.80 to 78.80): VV0





#58

Isopropylbenzene

Concen: 5.157 ug/L

RT: 9.95 min Scan# 2756

Delta R.T. -0.00 min

Lab File: VV017042.D

Acq: 23 Jun 2020 01:45

Instrument :

MSVOA_V

ClientSampled :

VSTD00553

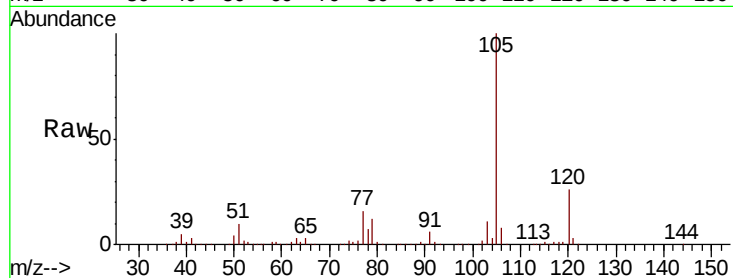
Tot Ion:105 Resp: 313555

Ion Ratio Lower Upper

105 100

120 26.0 21.2 31.8

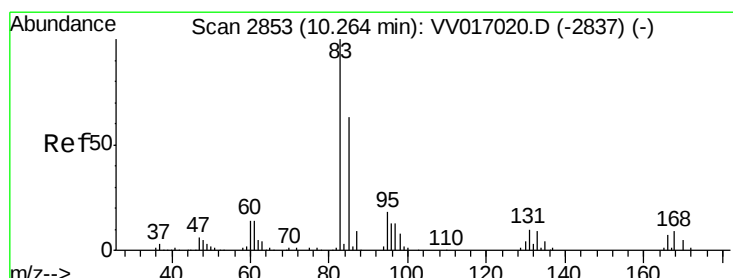
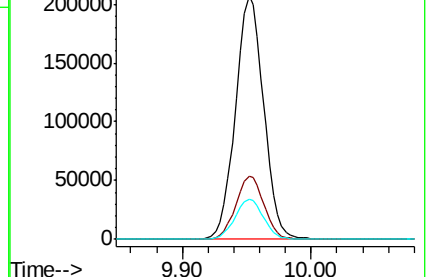
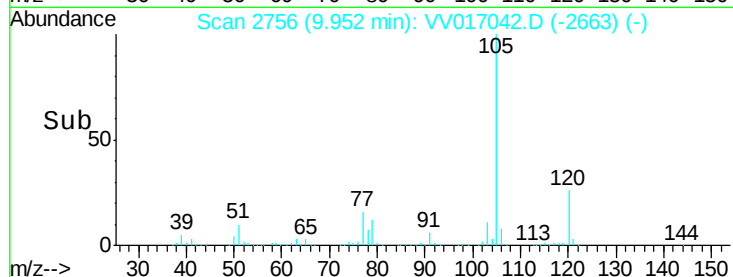
77 16.8 13.0 19.4



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.10 (119.80 to 120.80): V

Ion 77.10 (76.80 to 77.80): V



#60

1,1,2,2-Tetrachloroethane

Concen: 5.611 ug/L

RT: 10.26 min Scan# 2853

Delta R.T. -0.00 min

Lab File: VV017042.D

Acq: 23 Jun 2020 01:45

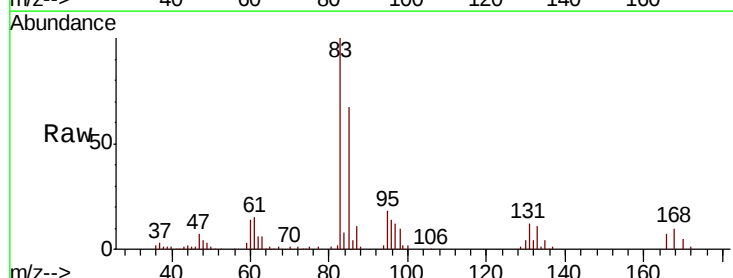
Tgt Ion: 83 Resp: 49564

Ion Ratio Lower Upper

83 100

85 67.2 42.9 79.7

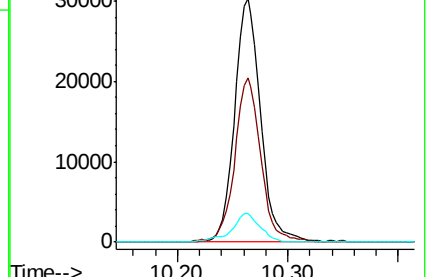
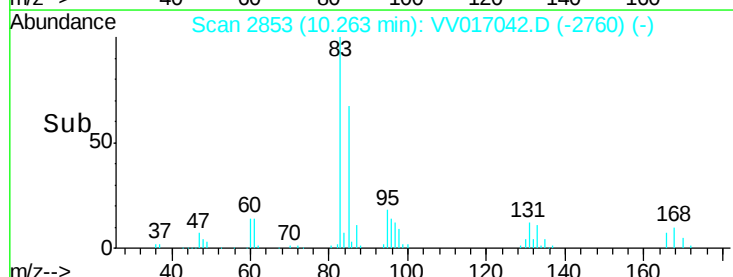
131 12.0 8.6 13.0

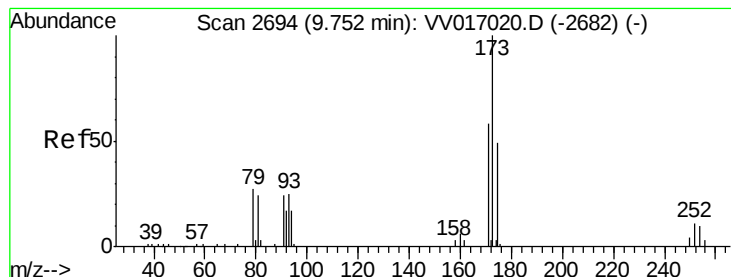


Abundance Ion 82.95 (82.65 to 83.65): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 130.95 (130.65 to 131.65): V





#62

Bromoform

Concen: 5.166 ug/L

RT: 9.75 min Scan# 2694

Delta R.T. -0.00 min

Lab File: VV017042.D

Acq: 23 Jun 2020 01:45

Instrument :

MSVOA_V

ClientSampleId :

VSTD00553

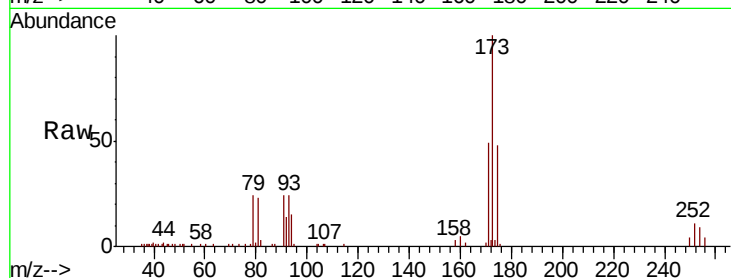
Tot Ion:173 Resp: 27682

Ion Ratio Lower Upper

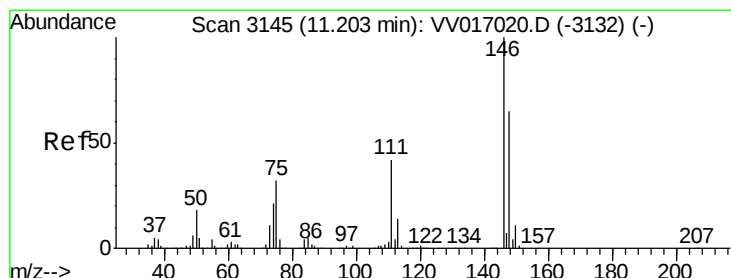
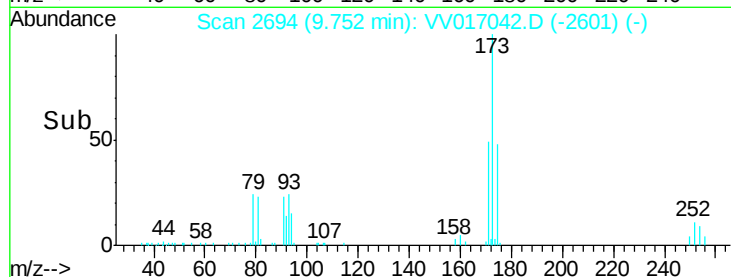
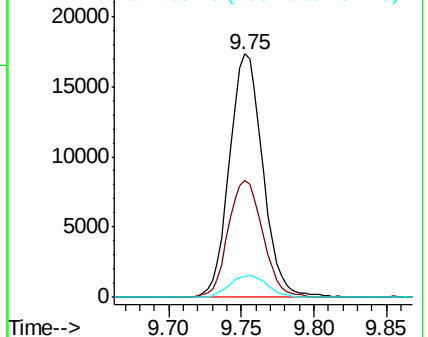
173 100

175 49.6 39.4 59.2

254 10.1 7.4 11.2



Abundance Ion 172.90 (172.60 to 173.60): V
Ion 174.90 (174.60 to 175.60): V
Ion 253.75 (253.45 to 254.45): V



#63

1,3-Dichlorobenzene

Concen: 5.021 ug/L

RT: 11.20 min Scan# 3145

Delta R.T. -0.00 min

Lab File: VV017042.D

Acq: 23 Jun 2020 01:45

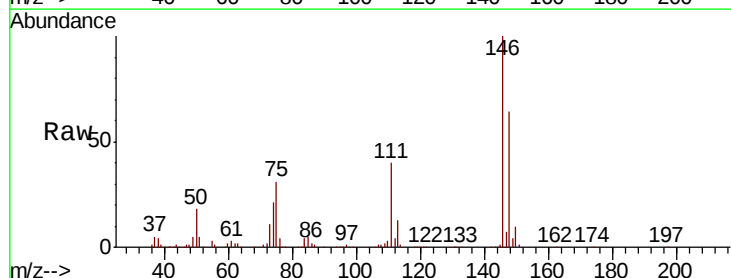
Tgt Ion:146 Resp: 151409

Ion Ratio Lower Upper

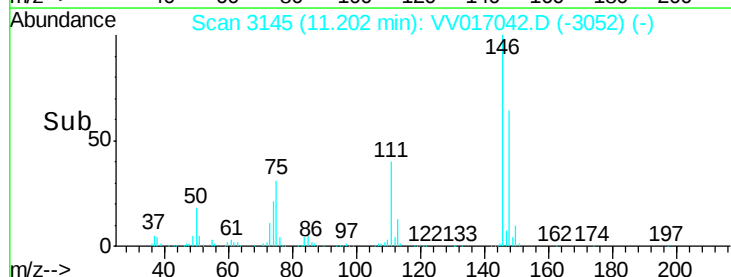
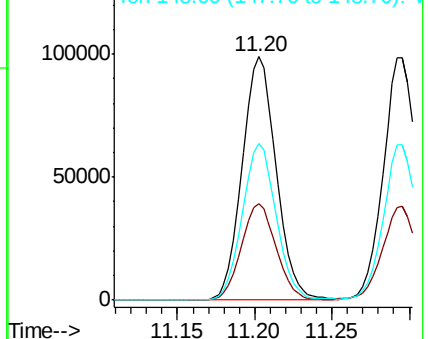
146 100

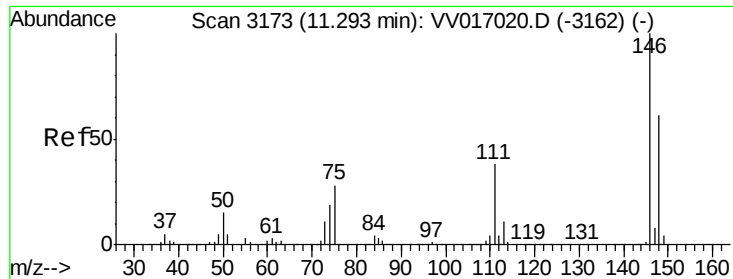
111 39.5 29.2 54.2

148 64.4 44.9 83.5



Abundance Ion 145.95 (145.65 to 146.65): V
Ion 111.00 (110.70 to 111.70): V
Ion 148.00 (147.70 to 148.70): V





#64

1,4-Dichlorobenzene

Concen: 4.954 ug/L

RT: 11.30 min Scan# 3174

Delta R.T. 0.00 min

Lab File: VV017042.D

Acq: 23 Jun 2020 01:45

Instrument :

MSVOA_V

ClientSampleId :

VSTD00553

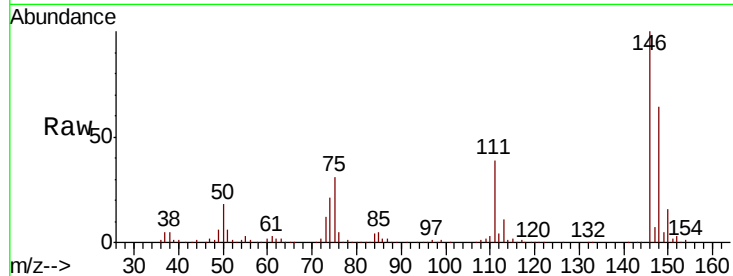
Tot Ion:146 Resp: 151811

Ion Ratio Lower Upper

146 100

111 38.5 27.4 50.8

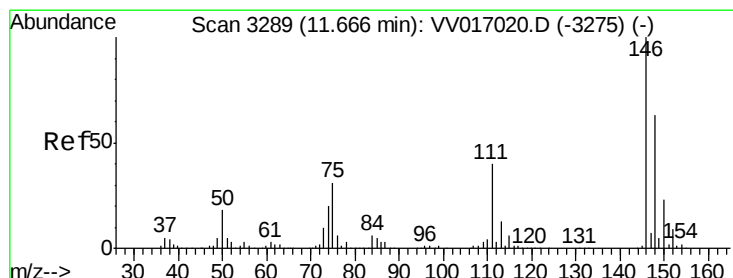
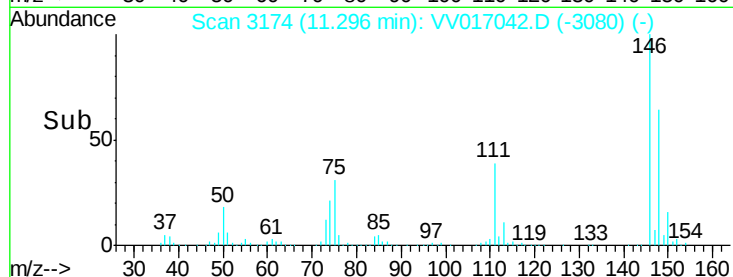
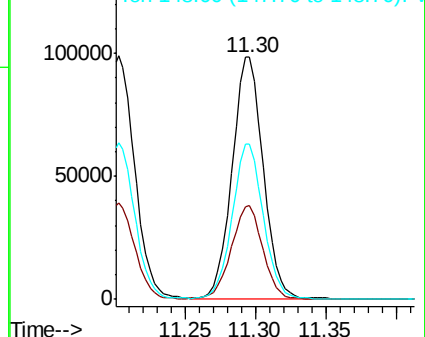
148 64.2 44.3 82.3



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#66

1,2-Dichlorobenzene

Concen: 5.084 ug/L

RT: 11.67 min Scan# 3289

Delta R.T. -0.00 min

Lab File: VV017042.D

Acq: 23 Jun 2020 01:45

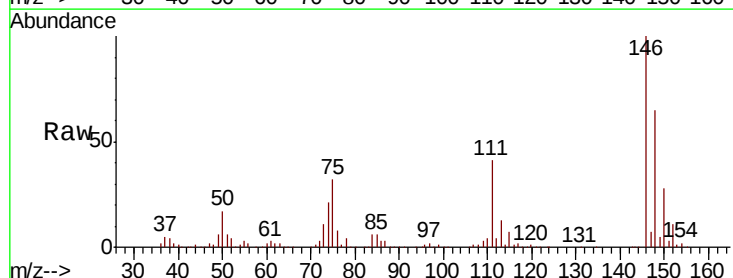
Tgt Ion:146 Resp: 139115

Ion Ratio Lower Upper

146 100

111 41.1 34.4 51.6

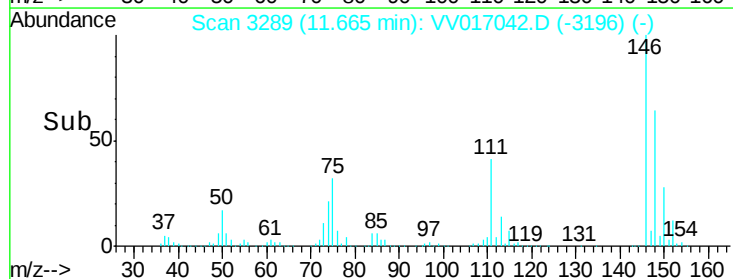
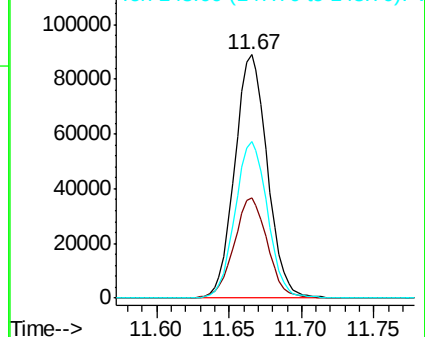
148 64.5 49.9 74.9

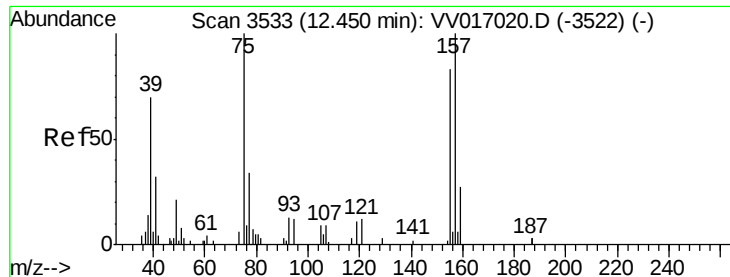


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

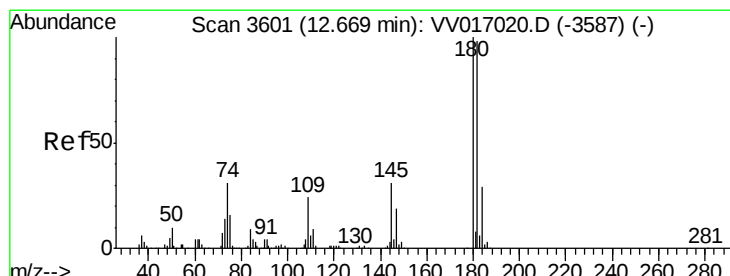
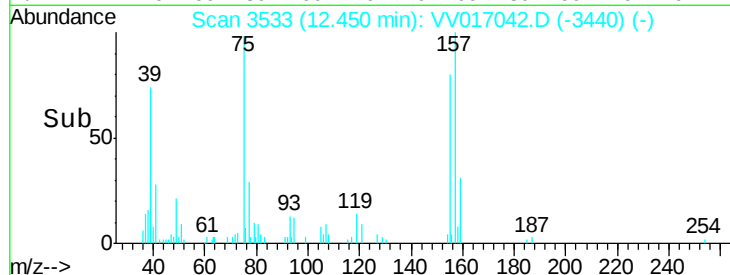
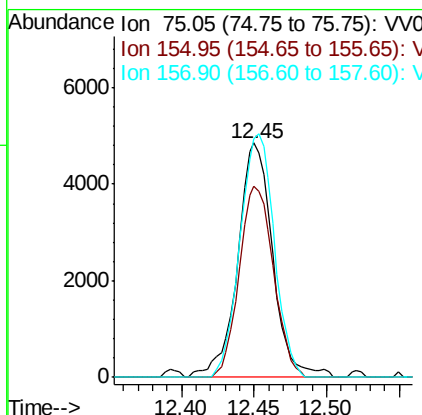
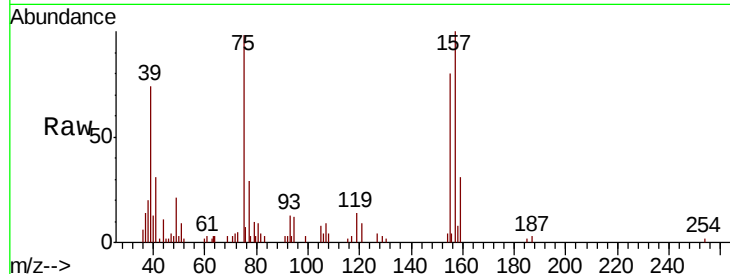




#67
 1,2-Dibromo-3-chloropropane
 Concen: 5.390 ug/L
 RT: 12.45 min Scan# 3533
 Delta R.T. -0.00 min
 Lab File: VV017042.D
 Acq: 23 Jun 2020 01:45

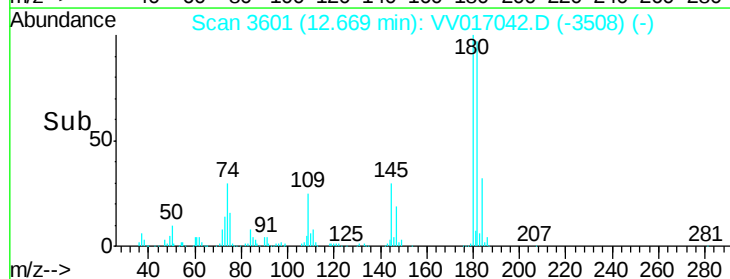
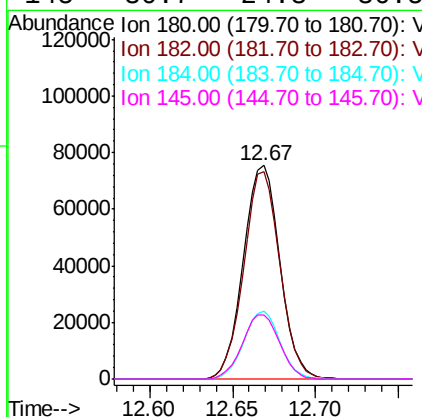
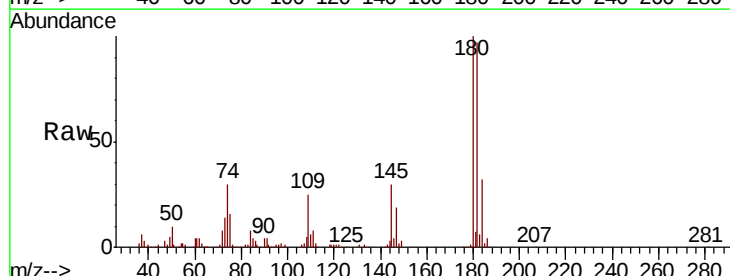
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00553

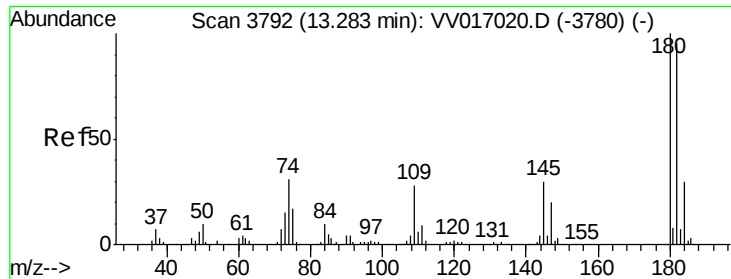
Tot Ion: 75 Resp: 8158
 Ion Ratio Lower Upper
 75 100
 155 81.3 71.1 106.7
 157 101.9 88.3 132.5



#68
 1,3,5-Trichlorobenzene
 Concen: 4.801 ug/L
 RT: 12.67 min Scan# 3601
 Delta R.T. -0.00 min
 Lab File: VV017042.D
 Acq: 23 Jun 2020 01:45

Tgt Ion: 180 Resp: 116303
 Ion Ratio Lower Upper
 180 100
 182 95.8 77.4 116.2
 184 31.5 24.2 36.4
 145 30.7 24.3 36.5

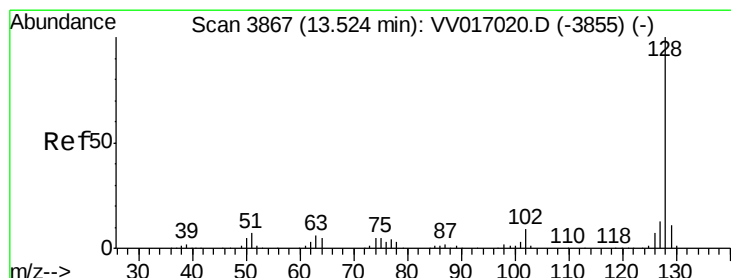
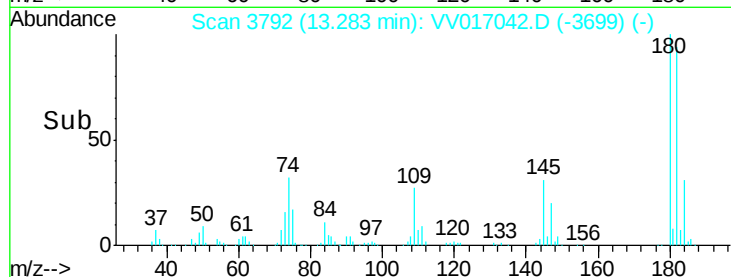
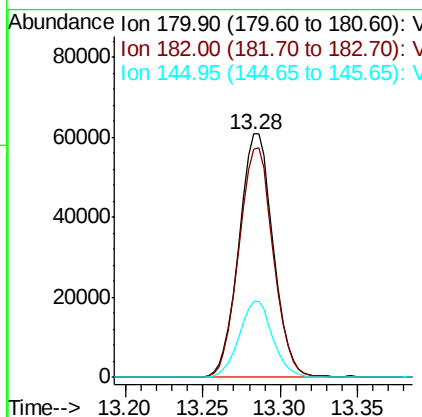
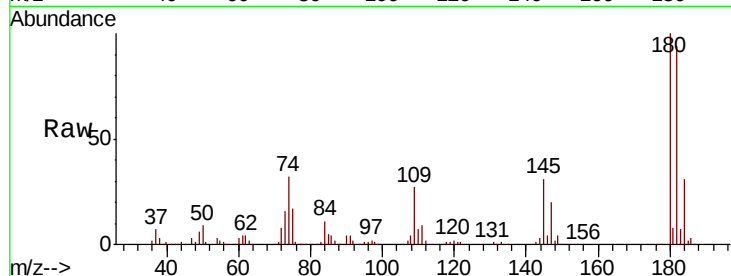




#69
 1,2,4-trichlorobenzene
 Concen: 4.707 ug/L
 RT: 13.28 min Scan# 3792
 Delta R.T. -0.00 min
 Lab File: VV017042.D
 Acq: 23 Jun 2020 01:45

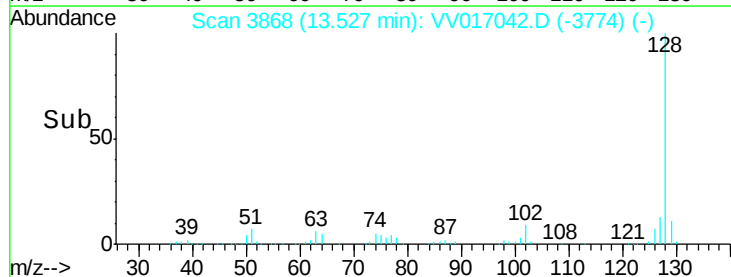
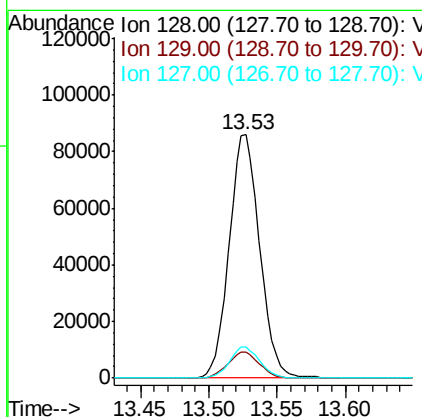
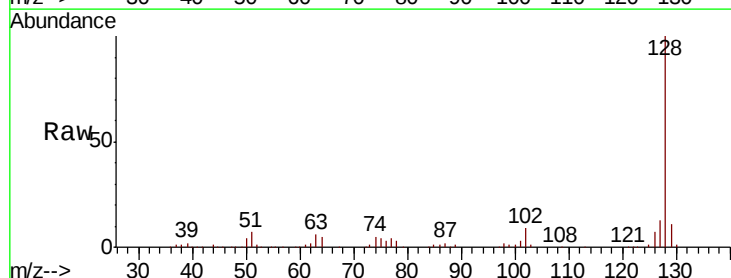
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00553

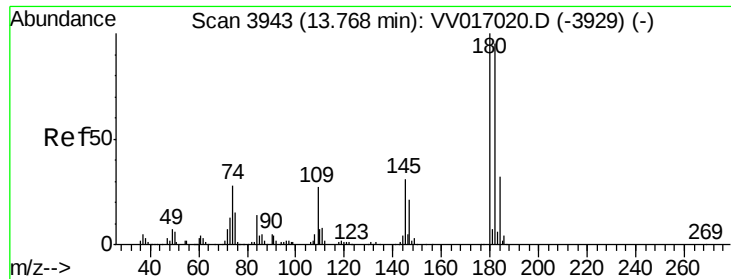
Tot Ion:180 Resp: 93873
 Ion Ratio Lower Upper
 180 100
 182 94.8 76.6 114.8
 145 30.9 25.0 37.6



#70
 Naphthalene
 Concen: 4.746 ug/L
 RT: 13.53 min Scan# 3868
 Delta R.T. 0.00 min
 Lab File: VV017042.D
 Acq: 23 Jun 2020 01:45

Tgt Ion:128 Resp: 133649
 Ion Ratio Lower Upper
 128 100
 129 11.2 8.8 13.2
 127 12.6 10.5 15.7

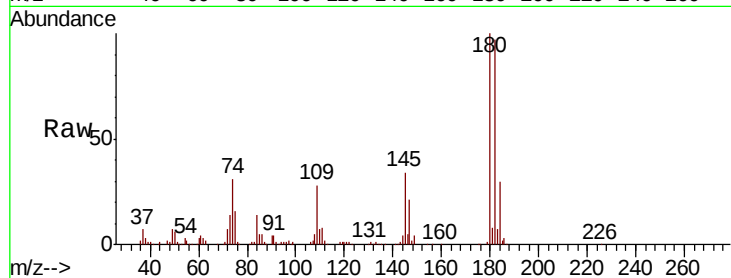




#71
 1,2,3-Trichlorobenzene
 Concen: 4.950 ug/L
 RT: 13.77 min Scan# 3943
 Delta R.T. -0.00 min
 Lab File: VV017042.D
 Acq: 23 Jun 2020 01:45

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00553

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.4	77.4	116.0
145	33.4	25.9	38.9



Abundance

Ion 179.90 (179.60 to 180.60): V

Ion 181.90 (181.60 to 182.60): V

Ion 144.95 (144.65 to 145.65): V

