

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV080320\
 Data File : VV017792.D
 Acq On : 03 Aug 2020 13:14
 Operator : SY/MD
 Sample : K4649-07MS
 Misc : 25.0mL/MSVOA V/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 A5169MS

Quant Time: Aug 04 01:50:15 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SFAMVTR072919WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Tue Aug 04 01:48:46 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	152543	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	148813	5.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.27	152	83268	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.31	65	36218	4.20	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	84.00%
7) Chloroethane-d5	1.58	69	33798	5.58	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	111.60%
11) 1,1-Dichloroethene-d2	2.12	63	83283	5.32	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	106.40%
20) 2-Butanone-d5	3.96	46	103112	52.59	ug/L	0.01
Spiked Amount	50.000	Range	40 - 130	Recovery	=	105.18%
24) Chloroform-d	4.37	84	105702	5.67	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	113.40%
26) 1,2-Dichloroethane-d4	5.06	65	60413	5.99	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	119.80%
32) Benzene-d6	5.07	84	168132	4.49	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	89.80%
36) 1,2-Dichloropropane-d6	6.09	67	46599	4.45	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	89.00%
41) Toluene-d8	7.33	98	161295	4.43	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	88.60%
43) trans-1,3-Dichloropropene-	7.64	79	24021	5.24	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	104.80%
46) 2-Hexanone-d5	8.11	63	75342	46.48	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	92.96%
56) 1,1,2,2-Tetrachloroethane-	10.24	84	37849	4.81	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	96.20%
66) 1,2-Dichlorobenzene-d4	11.65	152	72076	4.86	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	97.20%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.14	85	73436	4.224	ug/L 97
3) Chloromethane	1.25	50	48693	4.893	ug/L 98
5) Vinyl chloride	1.32	62	50145	4.925	ug/L 98
6) Bromomethane	1.53	94	36063	5.926	ug/L 93
8) Chloroethane	1.60	64	32604	5.893	ug/L 99
9) Trichlorofluoromethane	1.76	101	106007	6.087	ug/L 99
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	49089	6.489	ug/L 93
12) 1,1-Dichloroethene	2.13	96	43585	6.219	ug/L 98
13) Acetone	2.23	43	69183	64.115	ug/L 64
14) Carbon disulfide	2.31	76	123303	6.301	ug/L 98
15) Methyl Acetate	2.46	43	14280	6.440	ug/L 97
16) Methylene chloride	2.52	84	57282	7.971	ug/L 99
17) Methyl tert-butyl Ether	2.79	73	115422	5.238	ug/L 97
18) trans-1,2-Dichloroethene	2.77	96	48845	4.837	ug/L 96
19) 1,1-Dichloroethane	3.20	63	87808	4.863	ug/L 98
21) 2-Butanone	4.03	43	31648	14.865	ug/L # 1
22) cis-1,2-Dichloroethene	3.93	96	53942	5.017	ug/L 96

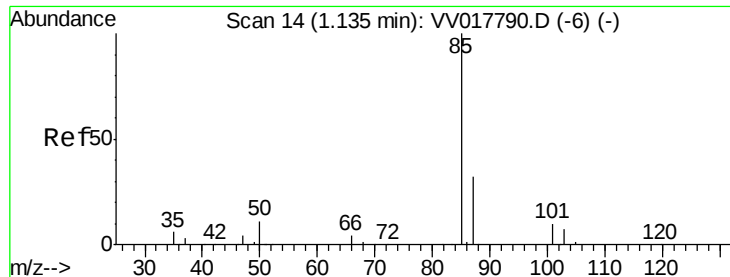
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.27	128	25466	5.400	ug/L	87
25) Chloroform	4.40	83	104738	4.626	ug/L	98
27) 1,2-Dichloroethane	5.15	62	70212	5.619	ug/L #	94
29) 1,1,1-Trichloroethane	4.63	97	104179	5.663	ug/L	99
30) Cyclohexane	4.69	56	68279	4.339	ug/L	98
31) Carbon tetrachloride	4.85	117	95337	5.760	ug/L	100
33) Benzene	5.12	78	197231	4.879	ug/L	100
34) Trichloroethene	5.93	95	54471	4.725	ug/L	89
35) Methylcyclohexane	6.15	83	80624	4.464	ug/L	98
37) 1,2-Dichloropropane	6.20	63	40881	4.371	ug/L #	93
38) Bromodichloromethane	6.53	83	72953	5.525	ug/L	97
39) cis-1,3-Dichloropropene	7.05	75	69141	4.715	ug/L	100
40) 4-Methyl-2-pentanone	7.25	43	230708	43.733	ug/L	99
42) Toluene	7.41	91	222369	4.948	ug/L	99
44) trans-1,3-Dichloropropene	7.67	75	67431	5.687	ug/L	97
45) 1,1,2-Trichloroethane	7.86	97	34171	4.791	ug/L	97
47) Tetrachloroethene	7.99	164	49070	4.871	ug/L	93
48) 2-Hexanone	8.16	43	169351	45.423	ug/L	97
49) Dibromochloromethane	8.26	129	48987	5.602	ug/L	96
50) 1,2-Dibromoethane	8.37	107	33071	4.961	ug/L #	95
51) Chlorobenzene	8.90	112	149938	4.990	ug/L	99
52) Ethylbenzene	9.03	91	250355	4.881	ug/L	99
53) m,p-xylene	9.16	106	98640	5.052	ug/L	97
54) o-xylene	9.56	106	93851	5.079	ug/L	92
55) Styrene	9.58	104	159641	5.128	ug/L	100
57) 1,1,2,2-Tetrachloroethane	10.26	83	34226	4.471	ug/L #	92
59) Bromoform	9.75	173	27560	5.475	ug/L	99
60) Isopropylbenzene	9.95	105	259844	4.885	ug/L	99
61) 1,2,3-Trichloropropane	10.29	75	29334	4.833	ug/L	95
62) 1,3,5-Trimethylbenzene	10.56	105	224717	5.116	ug/L	96
63) 1,2,4-Trimethylbenzene	10.94	105	228566	5.237	ug/L	98
64) 1,3-Dichlorobenzene	11.20	146	133643	5.041	ug/L	99
65) 1,4-Dichlorobenzene	11.29	146	133462	4.940	ug/L	99
67) 1,2-Dichlorobenzene	11.67	146	121102	5.027	ug/L	97
68) 1,2-Dibromo-3-chloropropan	12.45	75	7495	5.990	ug/L	86
69) 1,3,5-Trichlorobenzene	12.67	180	106484	4.859	ug/L	98
70) 1,2,4-trichlorobenzene	13.28	180	87474	5.044	ug/L	99
71) Naphthalene	13.53	128	113373	4.711	ug/L	98
72) 1,2,3-Trichlorobenzene	13.77	180	77899	5.068	ug/L	98

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



#2

Dichlorodifluoromethane

Concen: 4.224 ug/L

RT: 1.14 min Scan# 14

Delta R.T. -0.00 min

Lab File: VV017792.D

Acq: 03 Aug 2020 13:14

Instrument :

MSVOA_V

ClientSampleId :

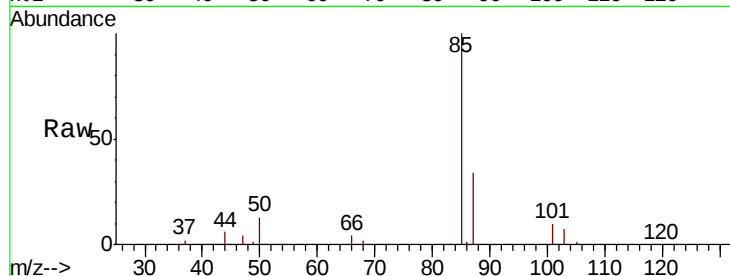
A5169MS

Tot Ion: 85 Resp: 73436

Ion Ratio Lower Upper

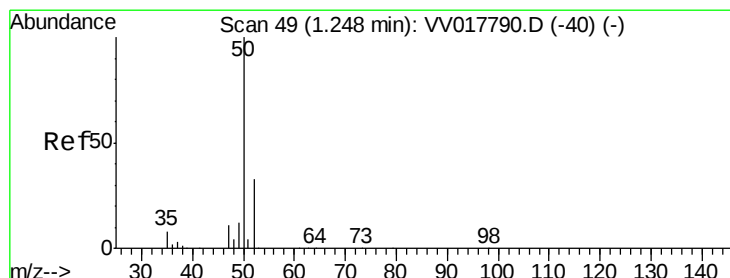
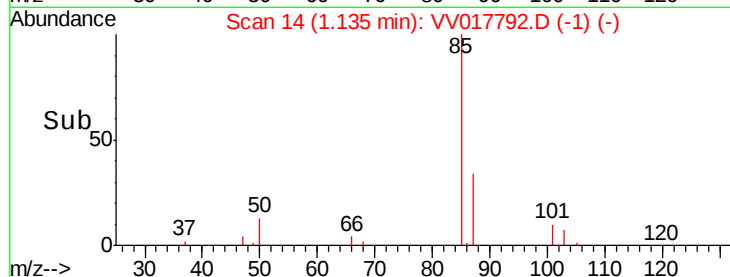
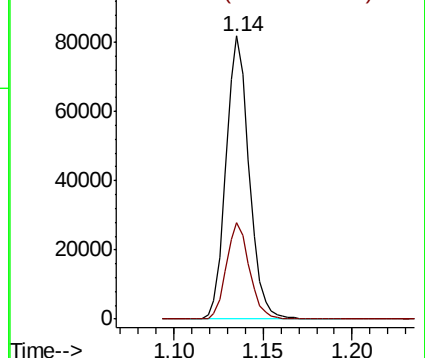
85 100

87 33.8 25.9 38.9



Abundance Ion 85.00 (84.70 to 85.70): VV0

Ion 87.00 (86.70 to 87.70): VV0



#3

Chloromethane

Concen: 4.893 ug/L

RT: 1.25 min Scan# 49

Delta R.T. -0.00 min

Lab File: VV017792.D

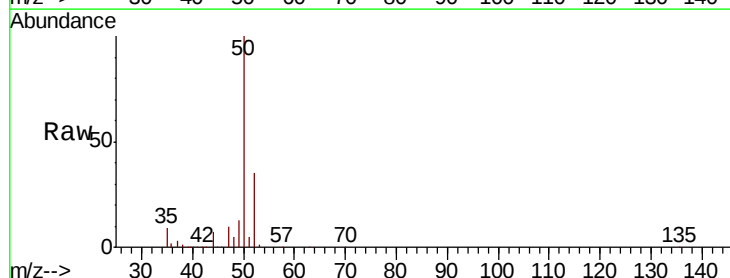
Acq: 03 Aug 2020 13:14

Tgt Ion: 50 Resp: 48693

Ion Ratio Lower Upper

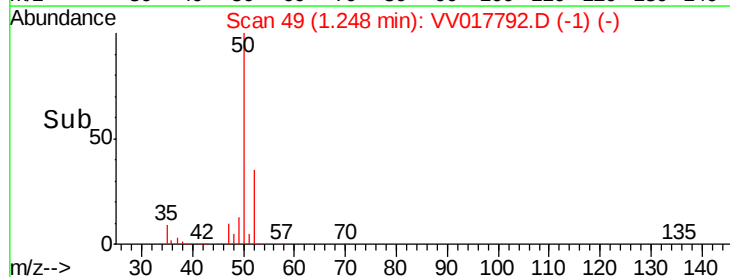
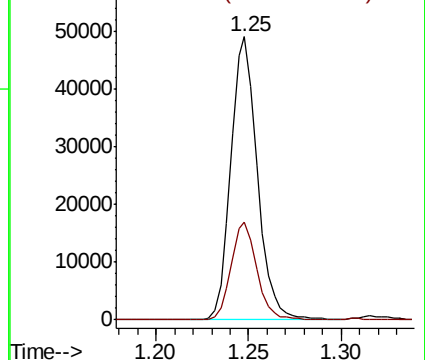
50 100

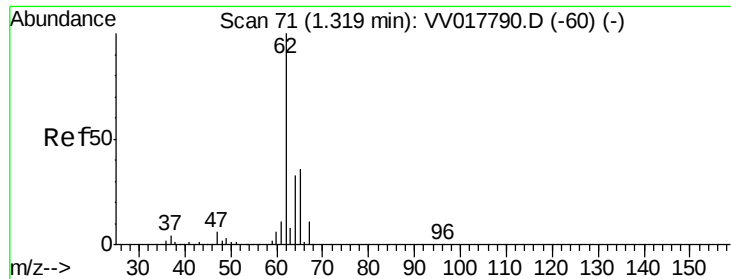
52 34.7 23.4 43.4



Abundance Ion 50.05 (49.75 to 50.75): VV0

Ion 52.05 (51.75 to 52.75): VV0





#5

Vinyl chloride

Concen: 4.925 ug/L

RT: 1.32 min Scan# 71

Delta R.T. -0.00 min

Lab File: VV017792.D

Acq: 03 Aug 2020 13:14

Instrument :

MSVOA_V

ClientSampleId :

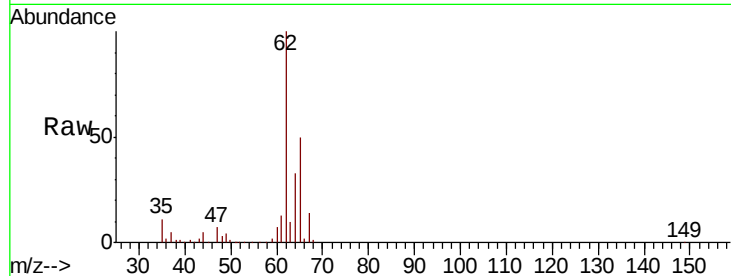
A5169MS

Tot Ion: 62 Resp: 50145

Ion Ratio Lower Upper

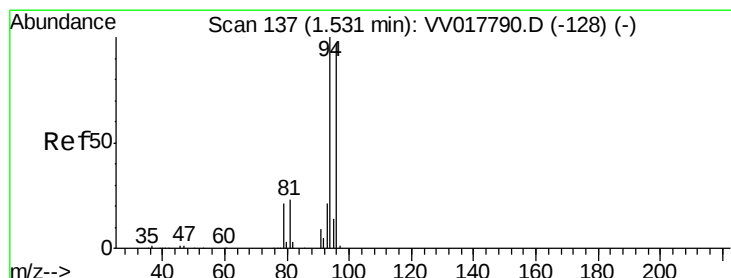
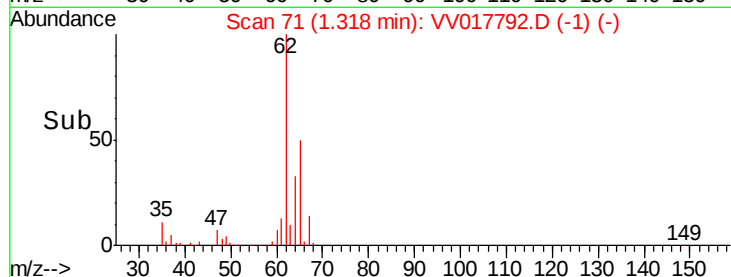
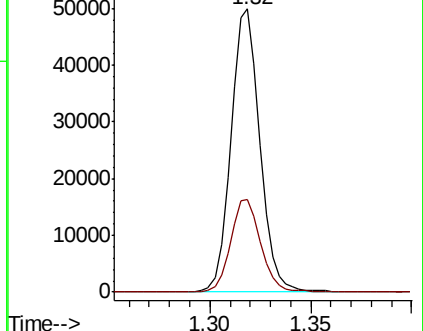
62 100

64 32.9 22.0 41.0



Abundance Ion 62.00 (61.70 to 62.70): VV017790.D (-60) (-)

Ion 64.10 (63.80 to 64.80): VV017790.D (-60) (-)



#6

Bromomethane

Concen: 5.926 ug/L

RT: 1.53 min Scan# 137

Delta R.T. -0.00 min

Lab File: VV017792.D

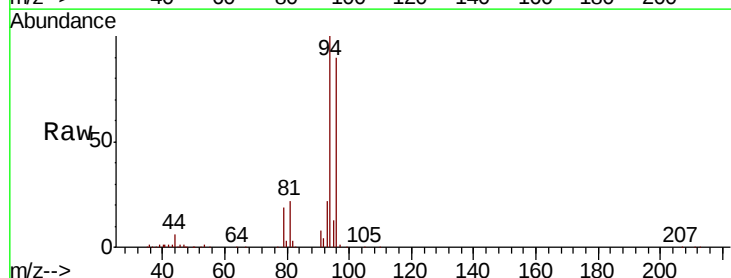
Acq: 03 Aug 2020 13:14

Tgt Ion: 94 Resp: 36063

Ion Ratio Lower Upper

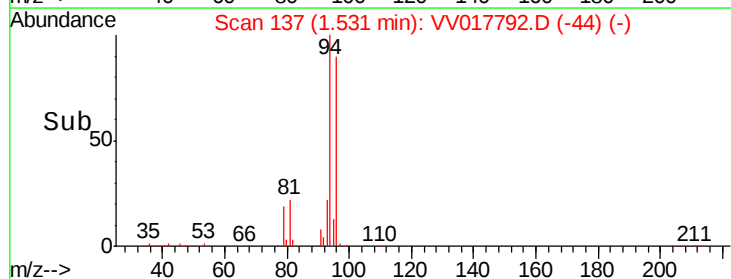
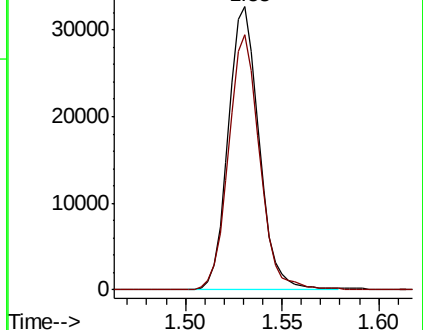
94 100

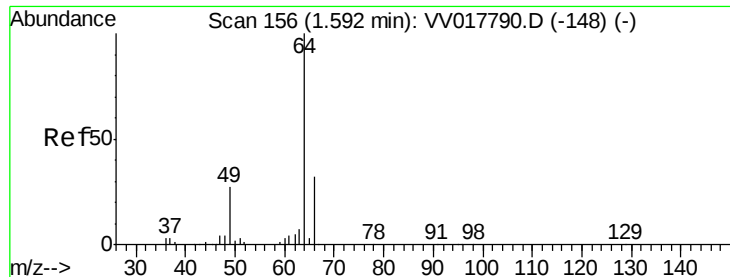
96 90.4 67.8 125.8



Abundance Ion 94.00 (93.70 to 94.70): VV017790.D (-128) (-)

Ion 96.00 (95.70 to 96.70): VV017790.D (-128) (-)





#8

Chloroethane

Concen: 5.893 ug/L

RT: 1.60 min Scan# 157

Delta R.T. 0.00 min

Lab File: VV017792.D

Acq: 03 Aug 2020 13:14

Instrument :

MSVOA_V

ClientSampleId :

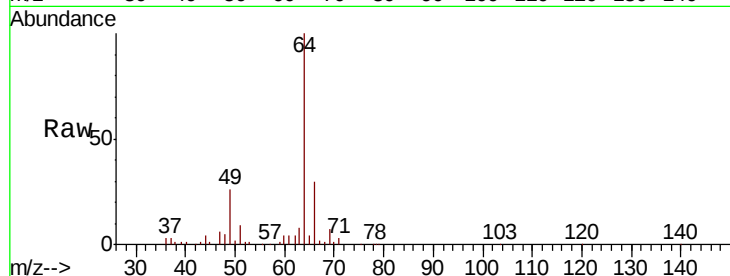
A5169MS

Tot Ion: 64 Resp: 32604

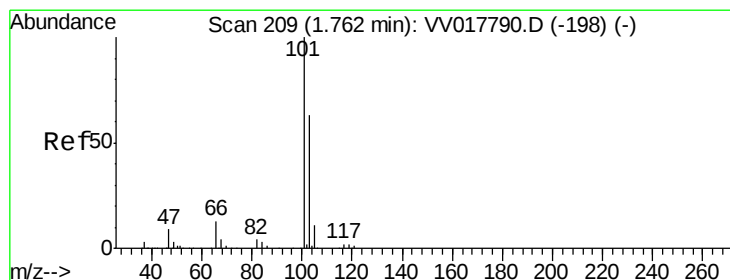
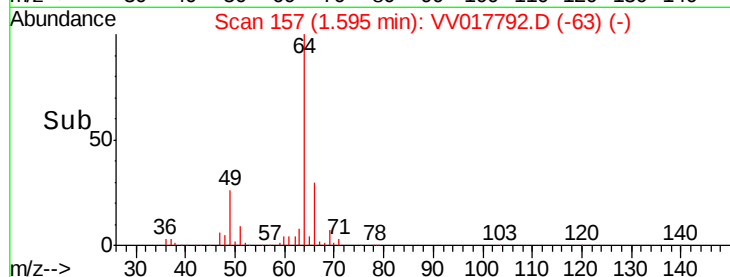
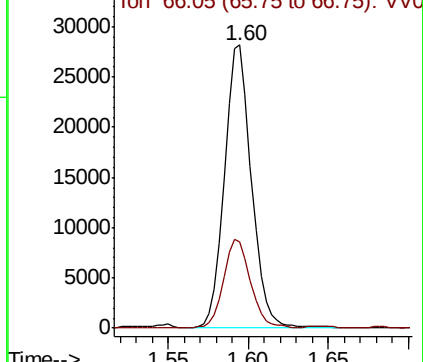
Ion Ratio Lower Upper

64 100

66 30.3 21.7 40.3



Abundance Ion 64.10 (63.80 to 64.80): VV017790.D (-148) (-)



#9

Trichlorofluoromethane

Concen: 6.087 ug/L

RT: 1.76 min Scan# 209

Delta R.T. -0.00 min

Lab File: VV017792.D

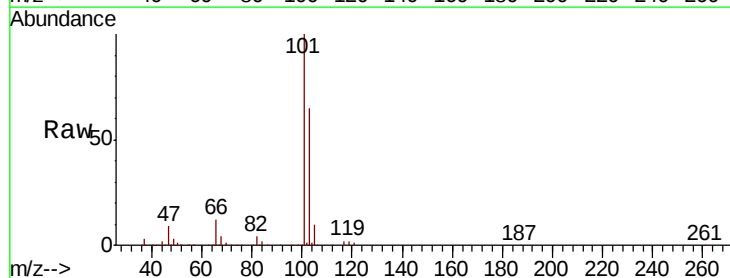
Acq: 03 Aug 2020 13:14

Tgt Ion: 101 Resp: 106007

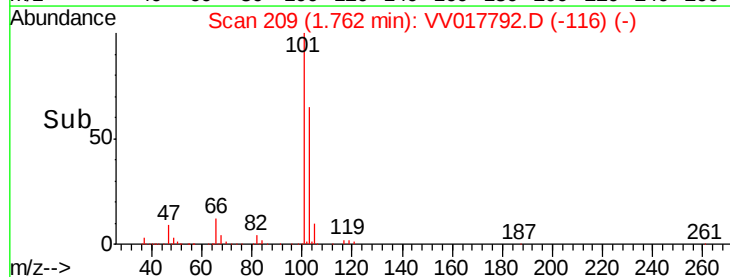
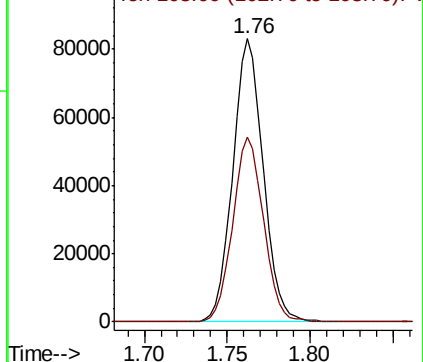
Ion Ratio Lower Upper

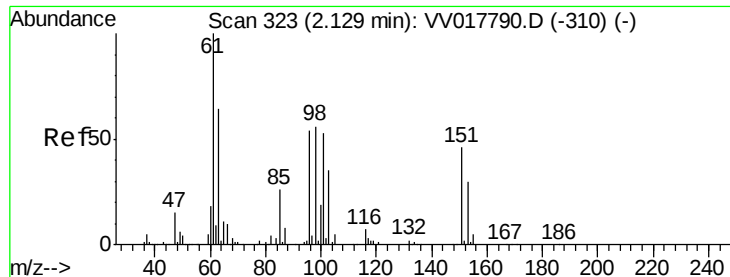
101 100

103 66.3 52.6 79.0



Abundance Ion 101.00 (100.70 to 101.70): VV017790.D (-198) (-)





#10

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

Concen: 6.489 ug/L

RT: 2.13 min Scan# 323

Delta R.T. -0.00 min

Lab File: VV017792.D

Acq: 03 Aug 2020 13:14

Instrument :

MSVOA_V

ClientSampleId :

A5169MS

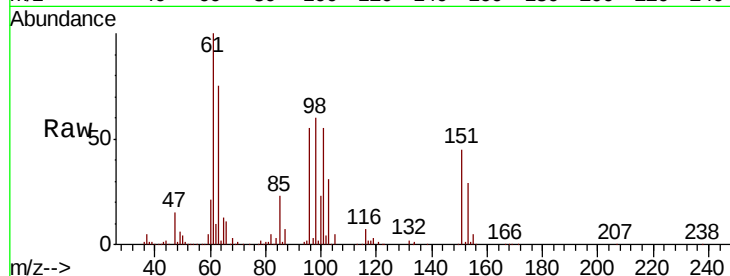
Tot Ion:101 Resp: 49089

Ion Ratio Lower Upper

101 100

85 43.1 37.8 56.8

151 82.4 71.4 107.2



Abundance Ion 101.00 (100.70 to 101.70): VV017790.D (-310) (-)

Ion 85.00 (84.70 to 85.70): VV017790.D (-310) (-)

Ion 151.00 (150.70 to 151.70): VV017790.D (-310) (-)

Time-->

2.05 2.10 2.15 2.20

2.13

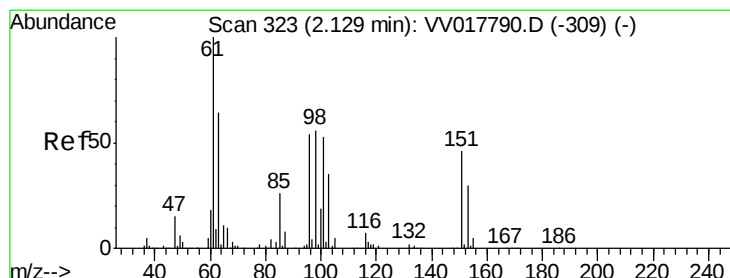
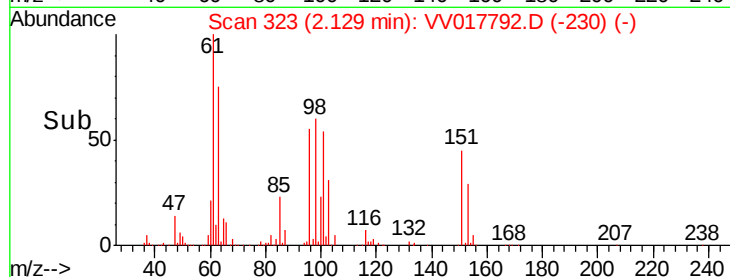
40000

30000

20000

10000

0



#12

1,1-Dichloroethene

Concen: 6.219 ug/L

RT: 2.13 min Scan# 323

Delta R.T. -0.00 min

Lab File: VV017792.D

Acq: 03 Aug 2020 13:14

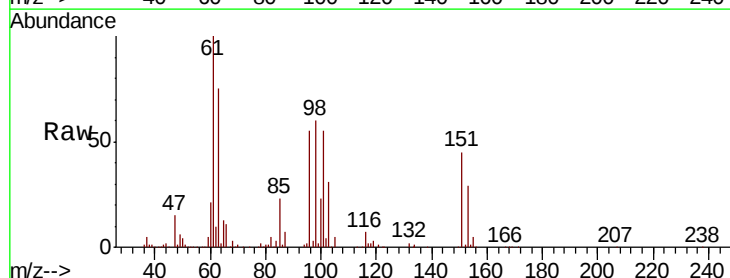
Tgt Ion: 96 Resp: 43585

Ion Ratio Lower Upper

96 100

61 182.7 127.8 237.4

63 136.8 92.7 172.3



Abundance Ion 96.00 (95.70 to 96.70): VV017790.D (-309) (-)

Ion 61.05 (60.75 to 61.75): VV017790.D (-309) (-)

Ion 63.00 (62.70 to 63.70): VV017790.D (-309) (-)

Time-->

2.05 2.10 2.15 2.20

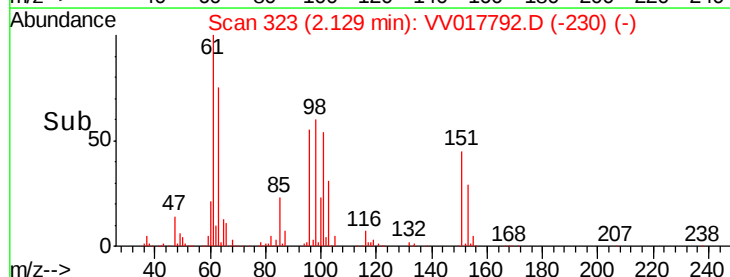
2.13

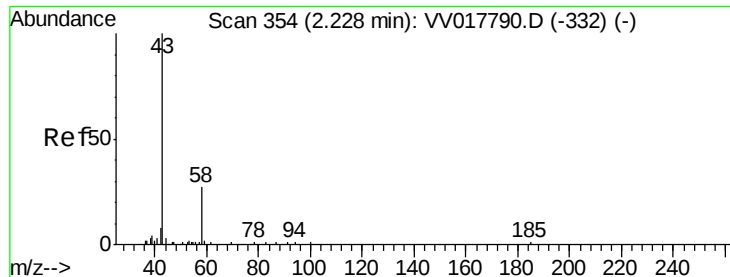
60000

40000

20000

0





#13

Acetone

Concen: 64.115 ug/L

RT: 2.23 min Scan# 354

Delta R.T. -0.00 min

Lab File: VV017792.D

Acq: 03 Aug 2020 13:14

Instrument :

MSVOA_V

ClientSampleId :

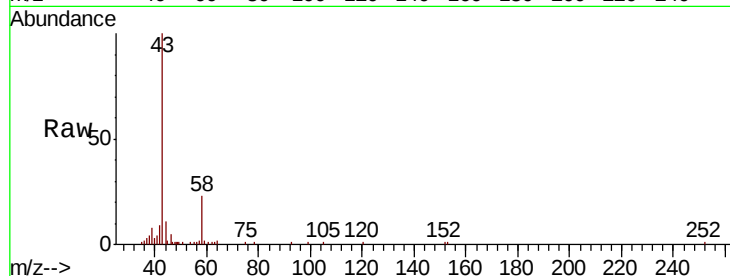
A5169MS

Tot Ion: 43 Resp: 69183

Ion Ratio Lower Upper

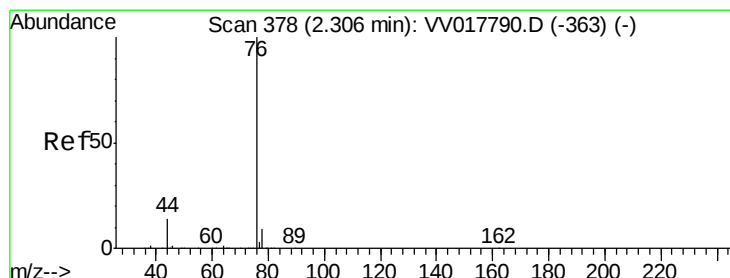
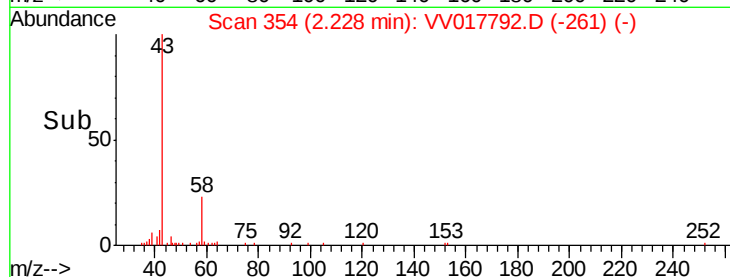
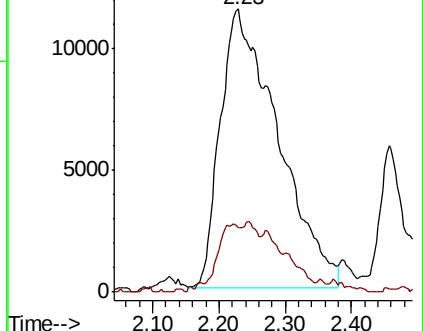
43 100

58 7.6 0.0 51.6



Abundance Ion 43.05 (42.75 to 43.75): VV017790.D (-332) (-)

Ion 58.05 (57.75 to 58.75): VV017790.D (-332) (-)



#14

Carbon disulfide

Concen: 6.301 ug/L

RT: 2.31 min Scan# 378

Delta R.T. -0.00 min

Lab File: VV017792.D

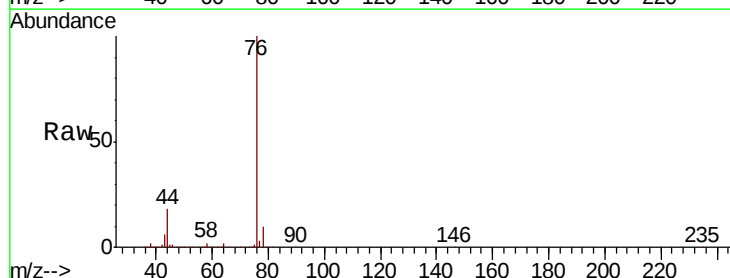
Acq: 03 Aug 2020 13:14

Tgt Ion: 76 Resp: 123303

Ion Ratio Lower Upper

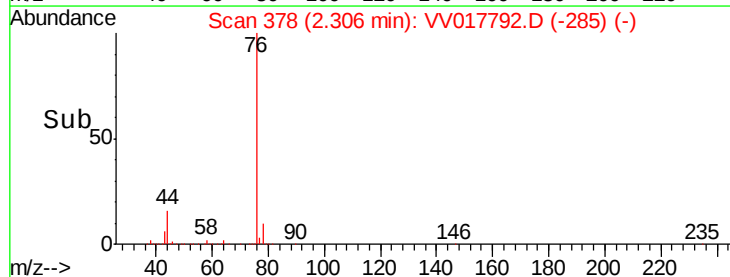
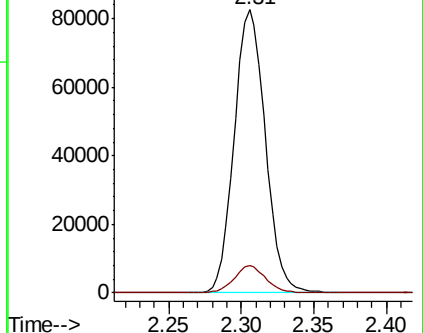
76 100

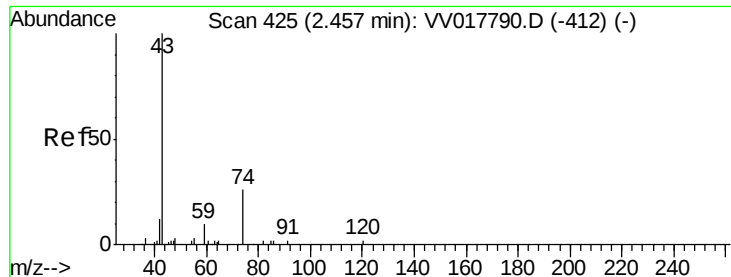
78 9.7 7.2 10.8



Abundance Ion 76.05 (75.75 to 76.75): VV017790.D (-363) (-)

Ion 78.00 (77.70 to 78.70): VV017790.D (-363) (-)

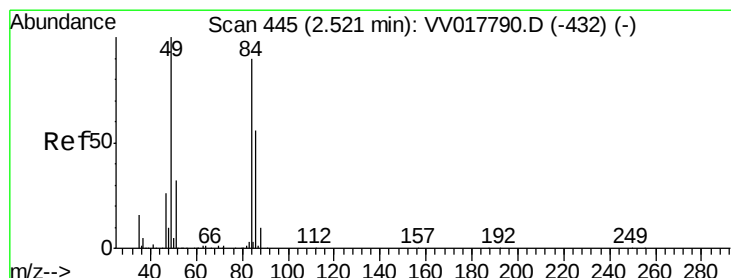
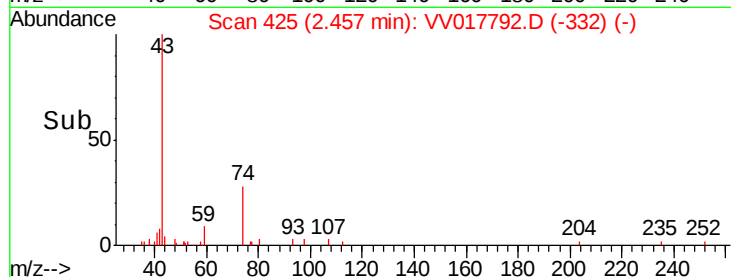
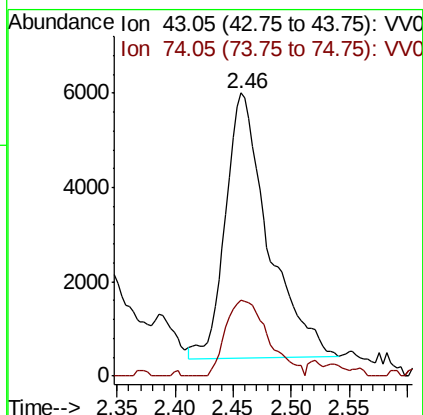
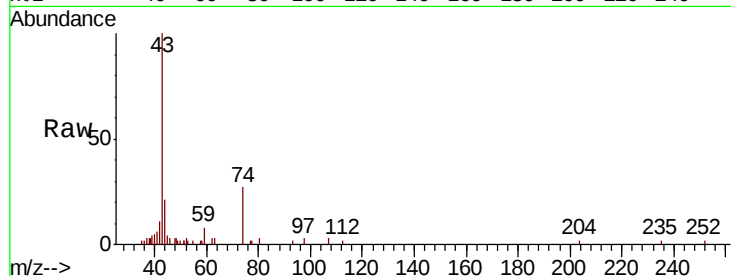




#15
Methvl Acetate
Concen: 6.440 ug/L
RT: 2.46 min Scan# 425
Delta R.T. -0.00 min
Lab File: VV017792.D
Acq: 03 Aug 2020 13:14

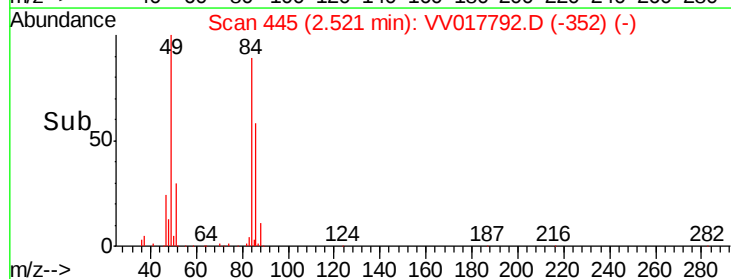
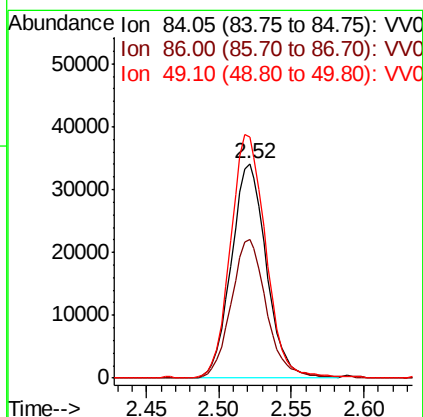
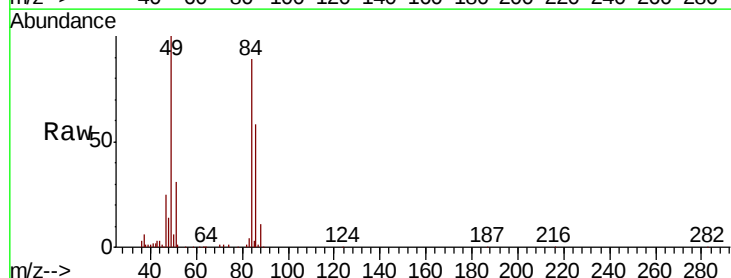
Instrument :
MSVOA_V
ClientSampleId :
A5169MS

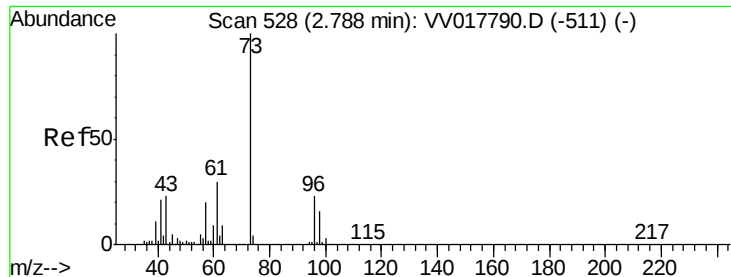
Tot Ion: 43 Resp: 14280
Ion Ratio Lower Upper
43 100
74 28.8 24.4 36.6



#16
Methylene chloride
Concen: 7.971 ug/L
RT: 2.52 min Scan# 445
Delta R.T. -0.00 min
Lab File: VV017792.D
Acq: 03 Aug 2020 13:14

Tgt Ion: 84 Resp: 57282
Ion Ratio Lower Upper
84 100
86 65.0 44.9 83.3
49 112.7 78.6 146.0



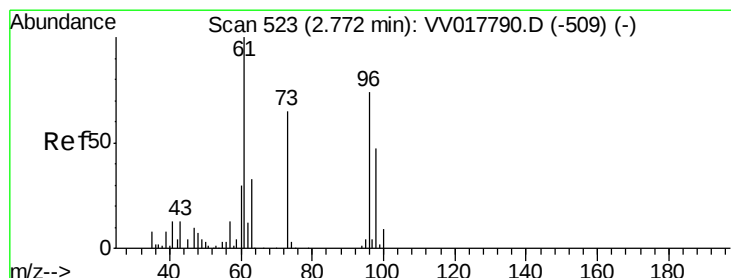
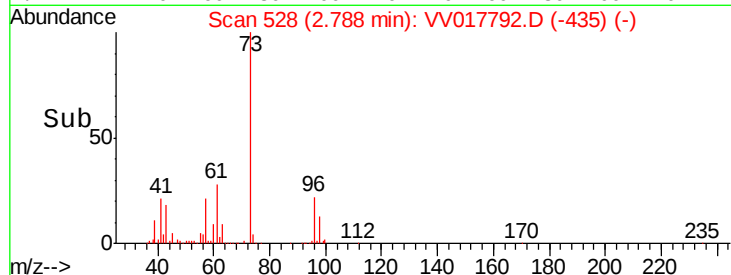
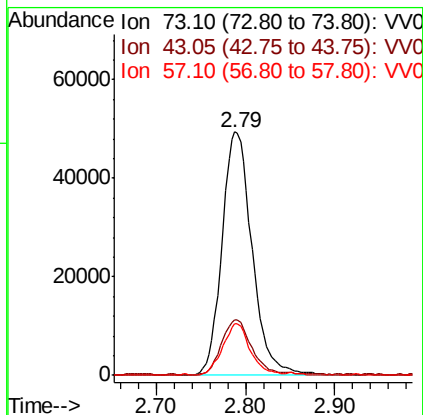
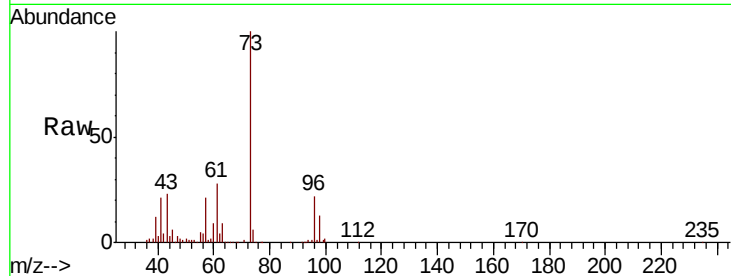


#17

Methyl tert-butyl Ether
 Concen: 5.238 ug/L
 RT: 2.79 min Scan# 528
 Delta R.T. -0.00 min
 Lab File: VV017792.D
 Acq: 03 Aug 2020 13:14

Instrument :
 MSVOA_V
 ClientSampleId :
 A5169MS

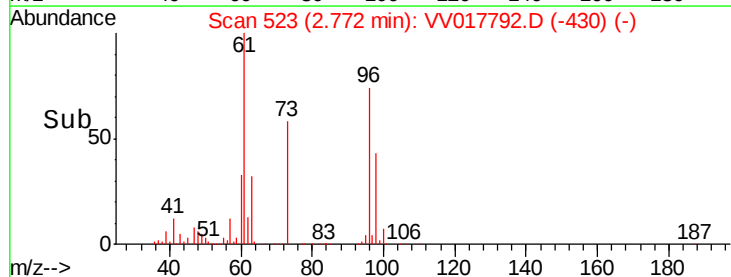
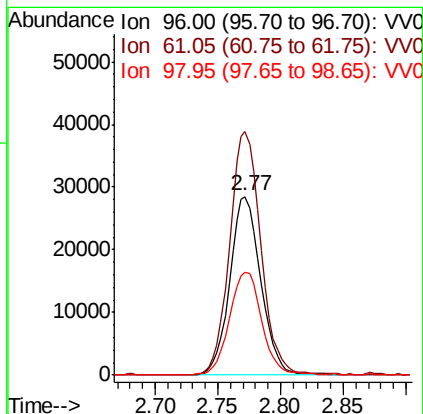
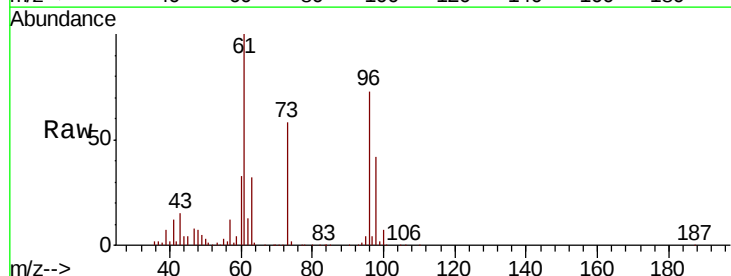
Tot Ion: 73 Resp: 115422
 Ion Ratio Lower Upper
 73 100
 43 22.8 17.6 26.4
 57 19.6 17.0 25.6

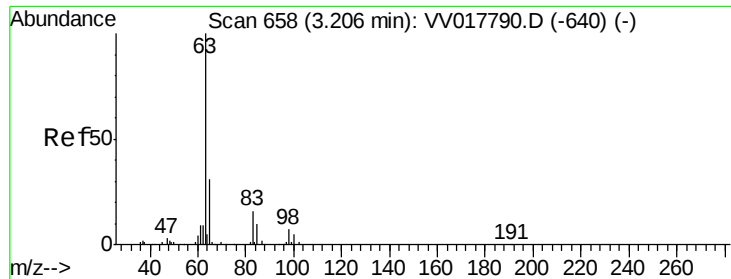


#18

trans-1,2-Dichloroethene
 Concen: 4.837 ug/L
 RT: 2.77 min Scan# 523
 Delta R.T. -0.00 min
 Lab File: VV017792.D
 Acq: 03 Aug 2020 13:14

Tgt Ion: 96 Resp: 48845
 Ion Ratio Lower Upper
 96 100
 61 136.2 97.2 180.6
 98 57.8 45.0 83.6

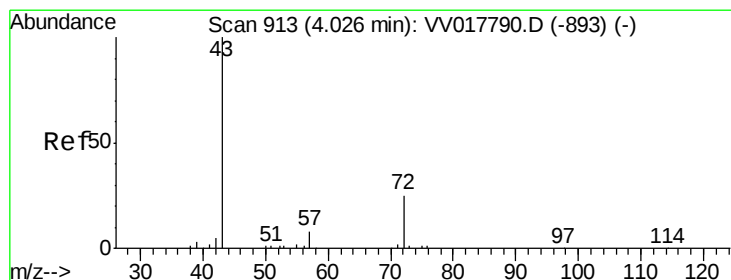
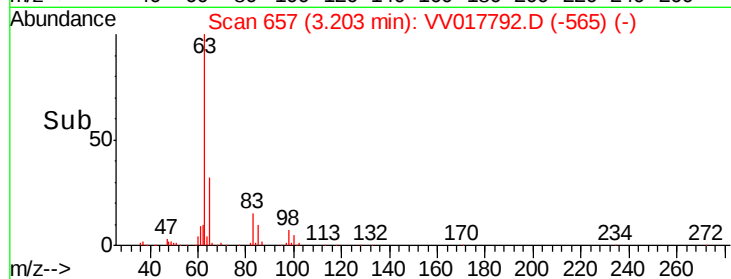
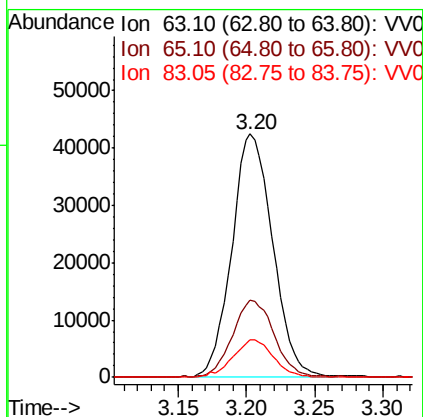
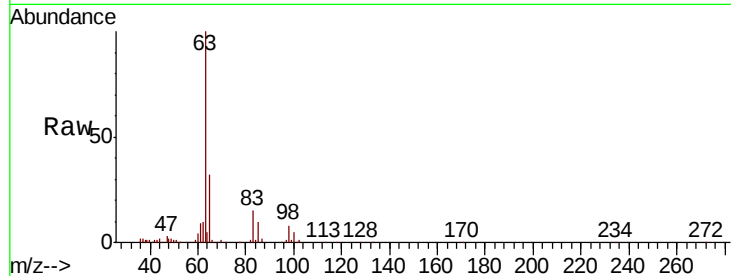




#19
 1,1-Dichloroethane
 Concen: 4.863 ug/L
 RT: 3.20 min Scan# 657
 Delta R.T. -0.00 min
 Lab File: VV017792.D
 Acq: 03 Aug 2020 13:14

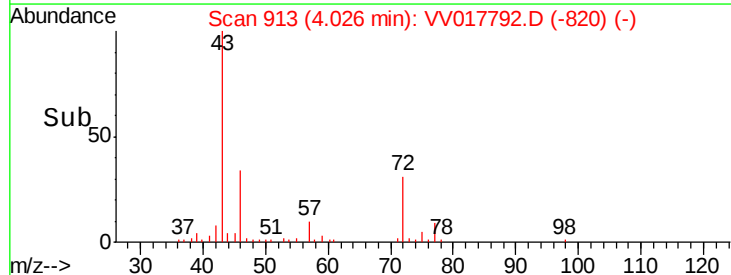
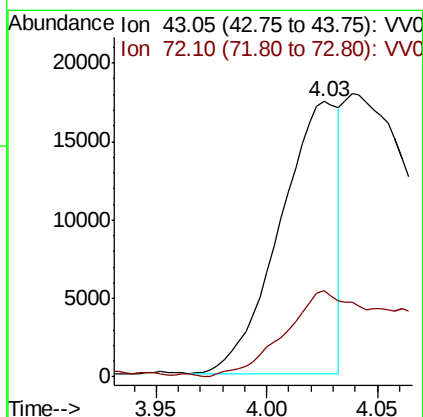
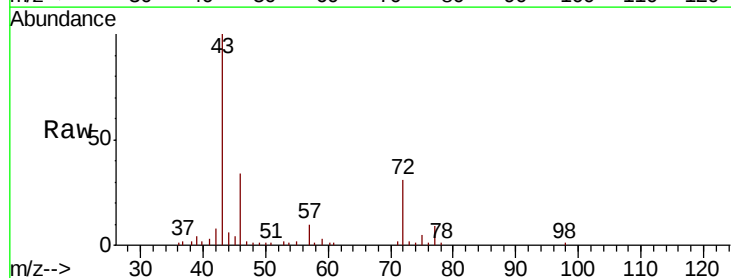
Instrument :
 MSVOA_V
 ClientSampled :
 A5169MS

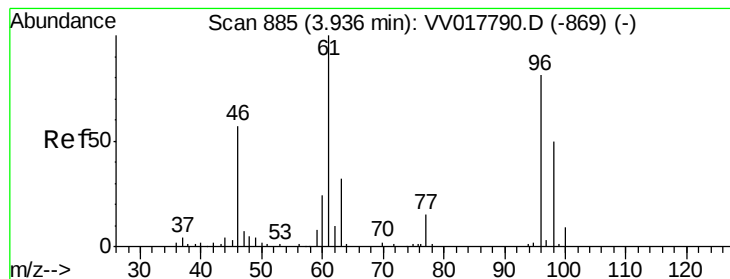
Tot Ion: 63 Resp: 87808
 Ion Ratio Lower Upper
 63 100
 65 31.7 23.0 42.6
 83 15.3 9.7 17.9



#21
 2-Butanone
 Concen: 14.865 ug/L
 RT: 4.03 min Scan# 913
 Delta R.T. -0.00 min
 Lab File: VV017792.D
 Acq: 03 Aug 2020 13:14

Tgt Ion: 43 Resp: 31648
 Ion Ratio Lower Upper
 43 100
 72 79.4 13.4 40.2#



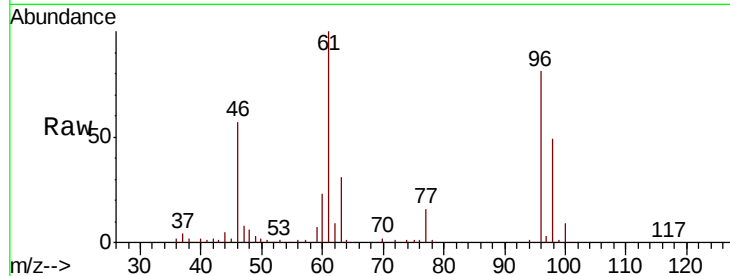


#22

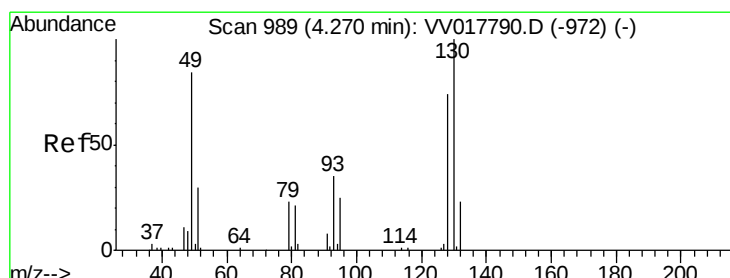
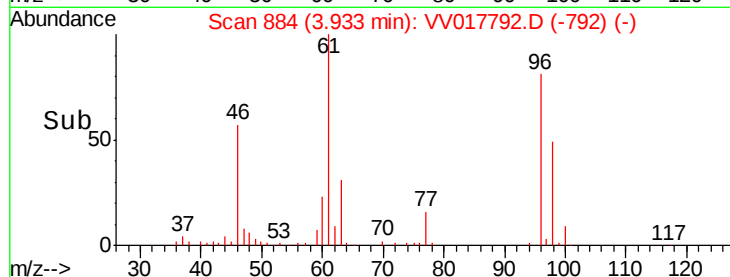
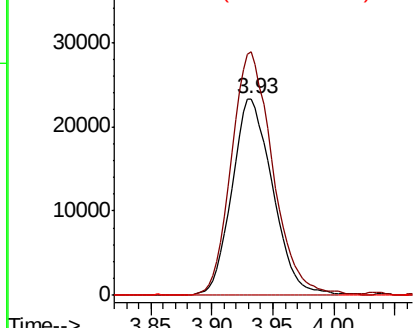
cis-1,2-Dichloroethene
Concen: 5.017 ug/L
RT: 3.93 min Scan# 884
Delta R.T. -0.00 min
Lab File: VV017792.D
Acq: 03 Aug 2020 13:14

Instrument :
MSVOA_V
ClientSampleId :
A5169MS

Tot Ion: 96 Resp: 53942
Ion Ratio Lower Upper
96 100
61 123.9 90.0 167.2
68 0.0 0.0 0.0



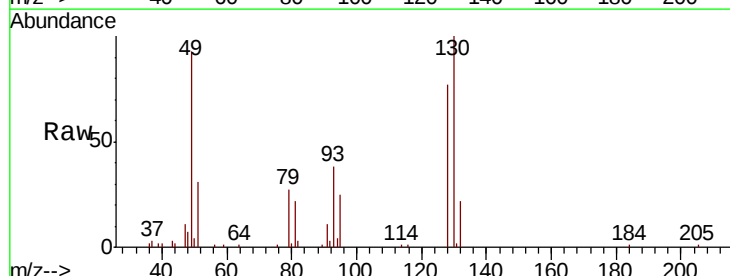
Abundance Ion 96.00 (95.70 to 96.70): VV0
Ion 61.05 (60.75 to 61.75): VV0
Ion 68.15 (67.85 to 68.85): VV0



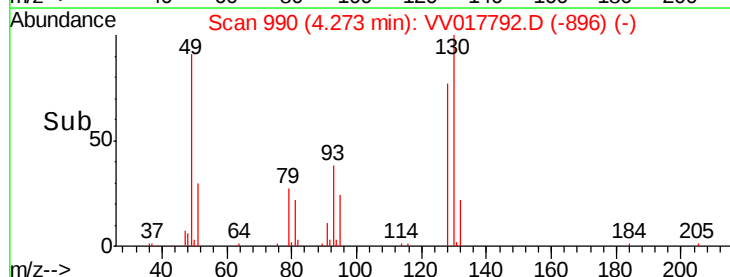
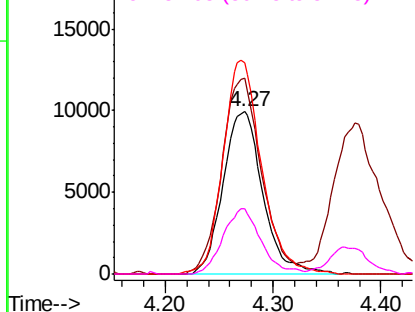
#23

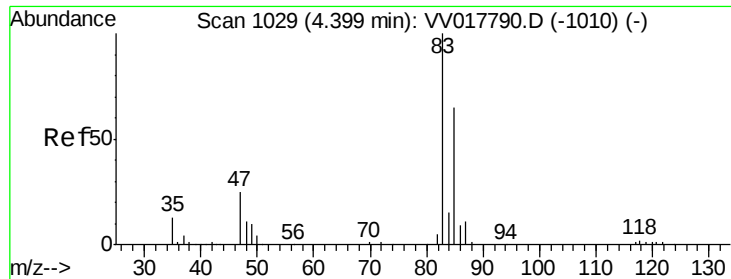
Bromochloromethane
Concen: 5.400 ug/L
RT: 4.27 min Scan# 990
Delta R.T. 0.00 min
Lab File: VV017792.D
Acq: 03 Aug 2020 13:14

Tgt Ion:128 Resp: 25466
Ion Ratio Lower Upper
128 100
49 120.8 105.1 195.1
130 130.2 88.9 165.1
51 40.0 36.2 54.2



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

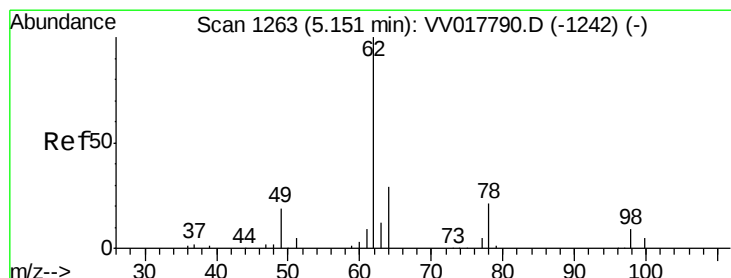
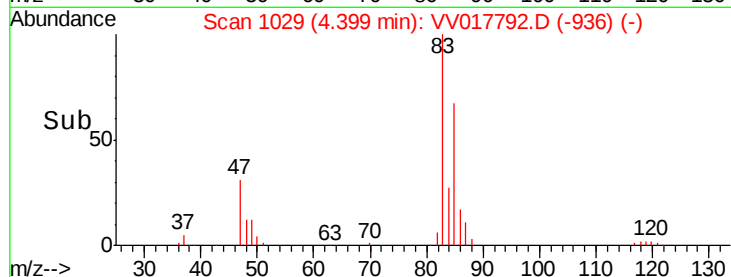
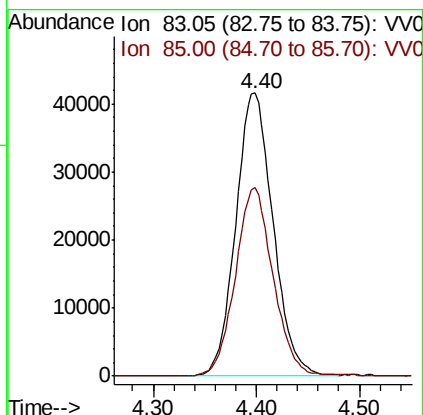
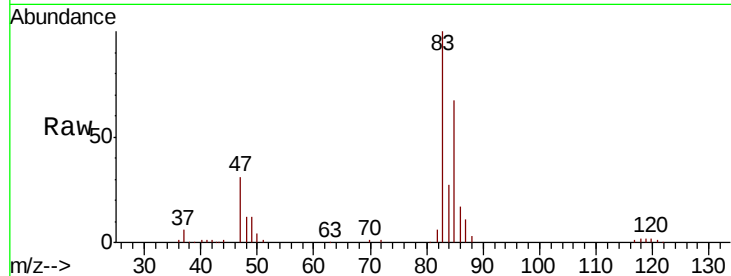




#25
Chloroform
Concen: 4.626 ug/L
RT: 4.40 min Scan# 1029
Delta R.T. -0.00 min
Lab File: VV017792.D
Acq: 03 Aug 2020 13:14

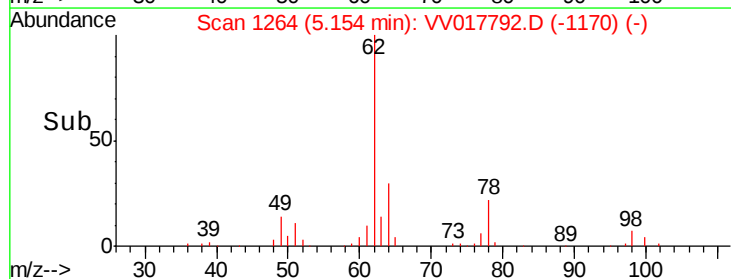
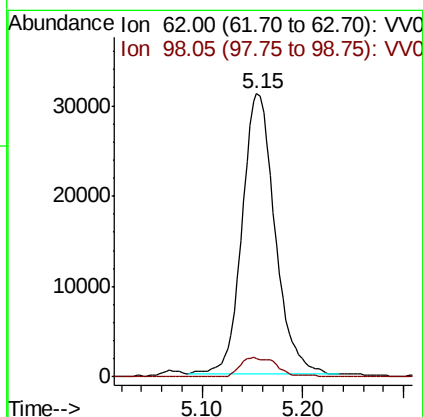
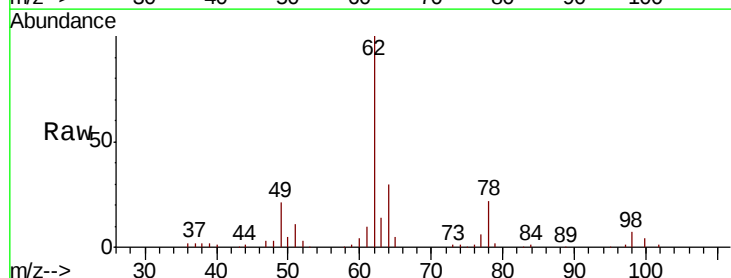
Instrument :
MSVOA_V
ClientSampleId :
A5169MS

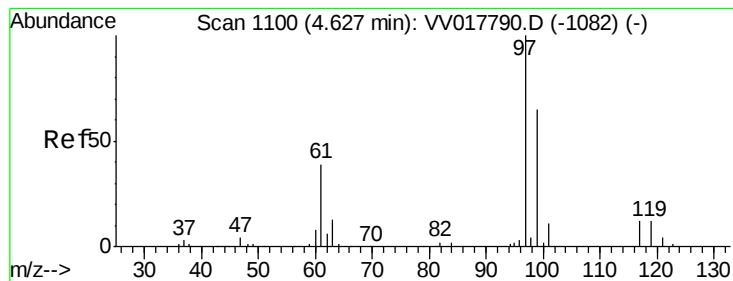
Tot Ion: 83 Resp: 104738
Ion Ratio Lower Upper
83 100
85 66.5 45.2 84.0



#27
1,2-Dichloroethane
Concen: 5.619 ug/L
RT: 5.15 min Scan# 1264
Delta R.T. 0.00 min
Lab File: VV017792.D
Acq: 03 Aug 2020 13:14

Tgt Ion: 62 Resp: 70212
Ion Ratio Lower Upper
62 100
98 6.7 7.0 10.6#





#29

1,1,1-Trichloroethane

Concen: 5.663 ug/L

RT: 4.63 min Scan# 1100

Delta R.T. -0.00 min

Lab File: VV017792.D

Acq: 03 Aug 2020 13:14

Instrument :

MSVOA_V

ClientSampled :

A5169MS

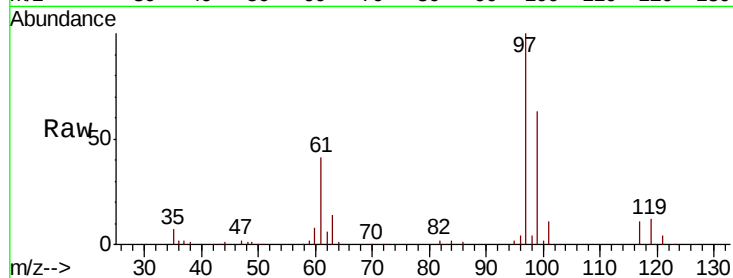
Tot Ion: 97 Resp: 104179

Ion Ratio Lower Upper

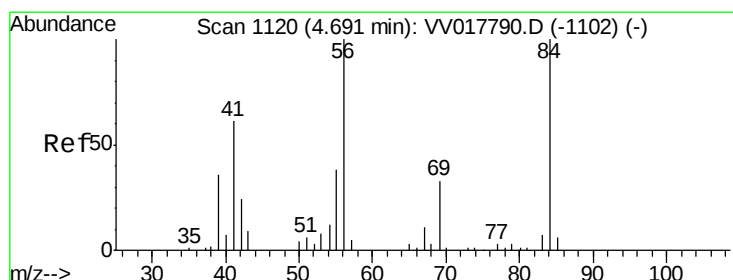
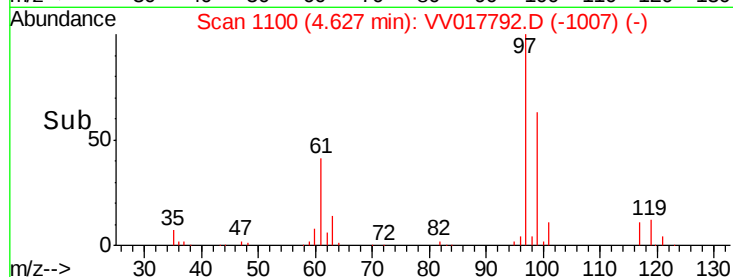
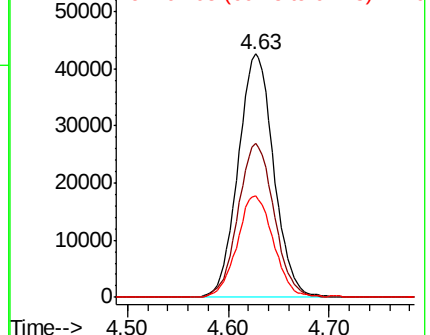
97 100

99 63.9 51.8 77.8

61 42.5 34.5 51.7



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: 4.339 ug/L

RT: 4.69 min Scan# 1121

Delta R.T. 0.00 min

Lab File: VV017792.D

Acq: 03 Aug 2020 13:14

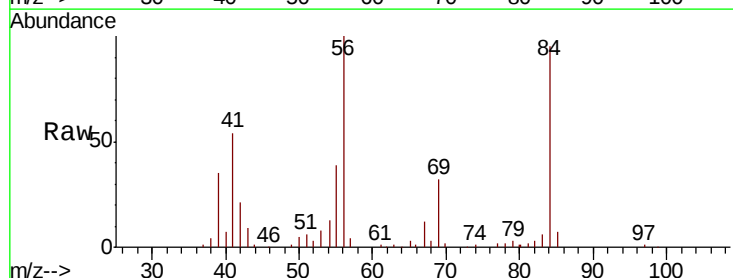
Tgt Ion: 56 Resp: 68279

Ion Ratio Lower Upper

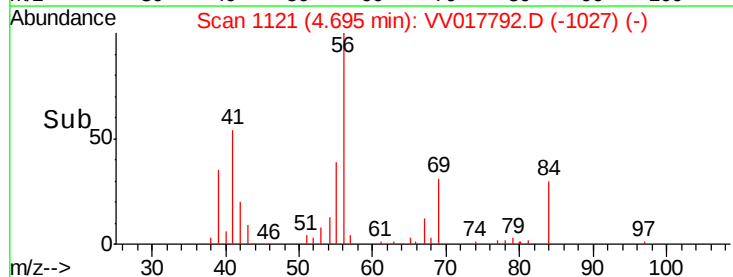
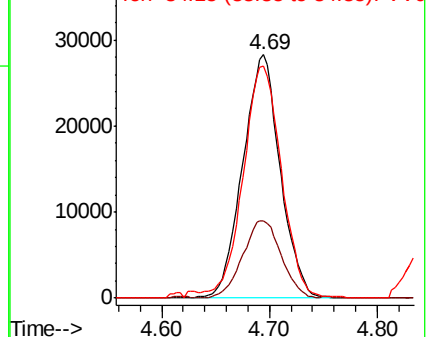
56 100

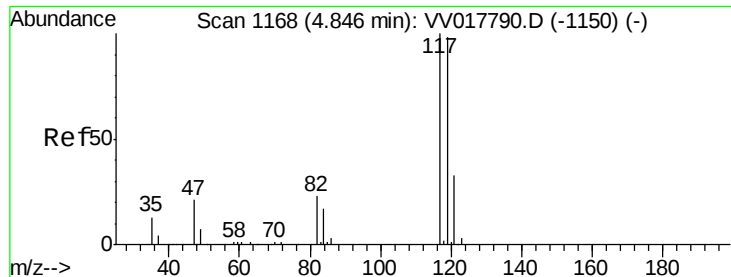
69 32.8 24.8 37.2

84 95.7 75.4 113.2



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: 5.760 ug/L

RT: 4.85 min Scan# 1168

Delta R.T. -0.00 min

Lab File: VV017792.D

Acq: 03 Aug 2020 13:14

Instrument :

MSVOA_V

ClientSampleId :

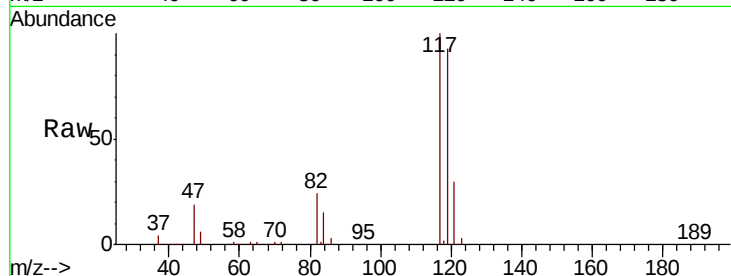
A5169MS

Tot Ion:117 Resp: 95337

Ion Ratio Lower Upper

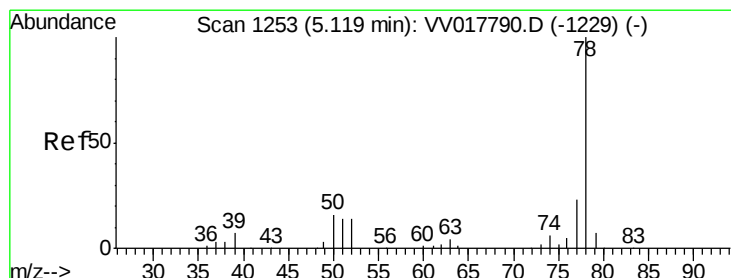
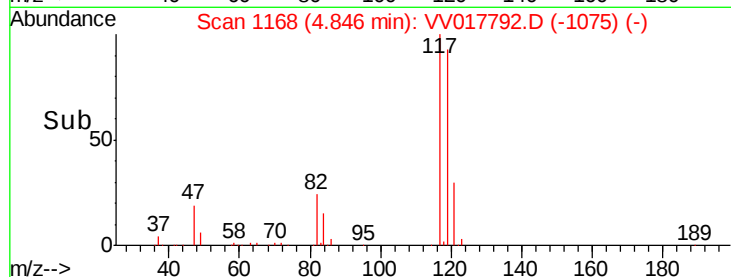
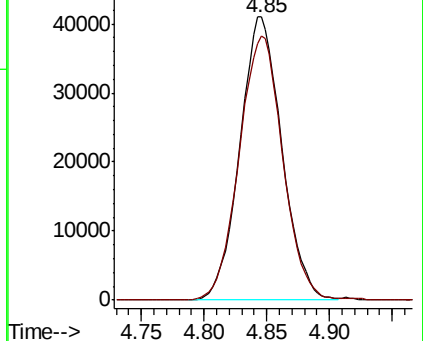
117 100

119 96.9 77.7 116.5



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V



#33

Benzene

Concen: 4.879 ug/L

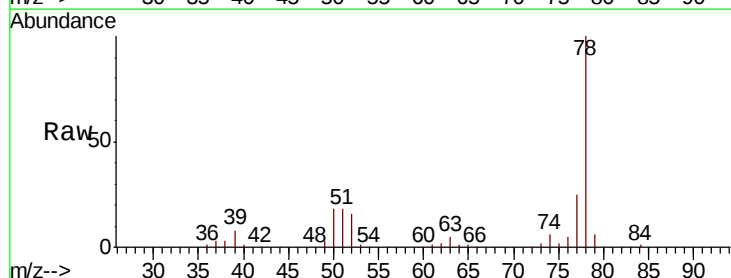
RT: 5.12 min Scan# 1253

Delta R.T. -0.00 min

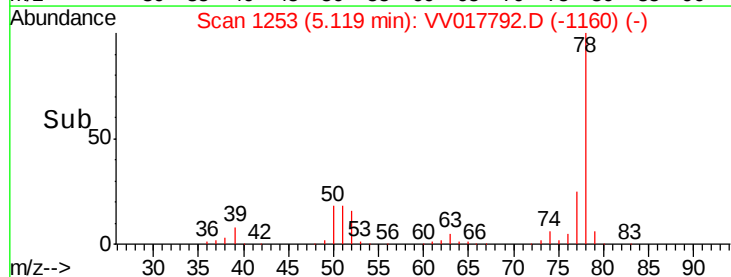
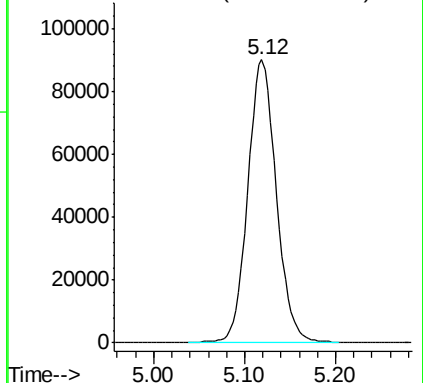
Lab File: VV017792.D

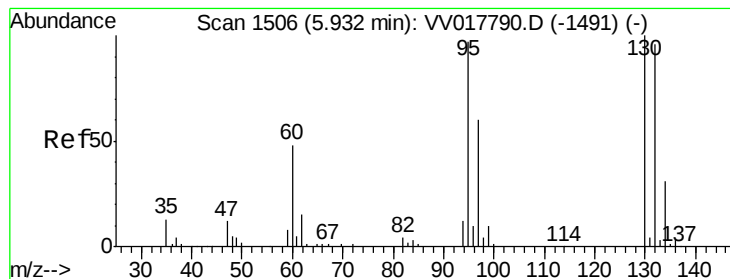
Acq: 03 Aug 2020 13:14

Tgt Ion: 78 Resp: 197231



Abundance Ion 78.10 (77.80 to 78.80): VV0





#34

Trichloroethene

Concen: 4.725 ug/L

RT: 5.93 min Scan# 1506

Delta R.T. -0.00 min

Lab File: VV017792.D

Acq: 03 Aug 2020 13:14

Instrument :

MSVOA_V

ClientSampleId :

A5169MS

Tot Ion: 95 Resp: 54471

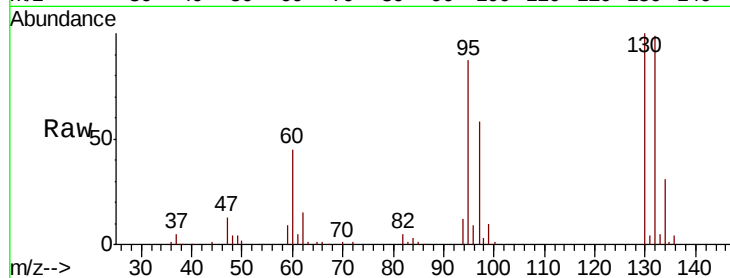
Ion Ratio Lower Upper

95 100

97 67.1 42.8 79.6

132 113.2 70.8 131.6

130 114.9 72.3 134.3

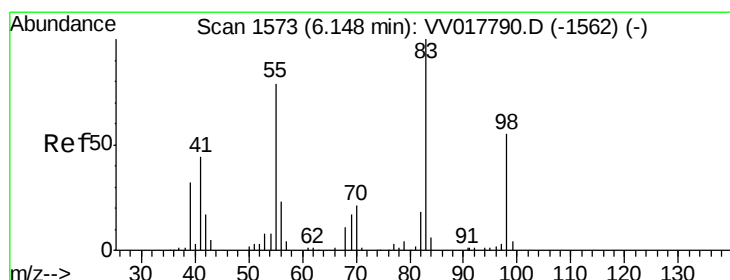
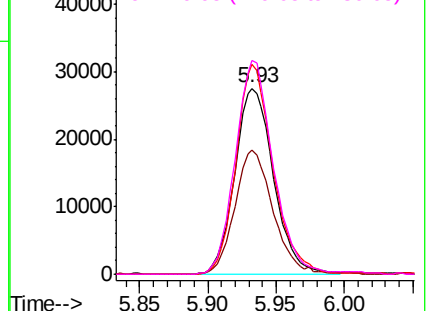
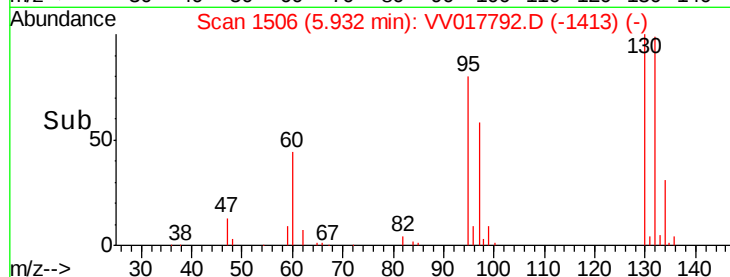


Abundance Ion 95.00 (94.70 to 95.70): VV017792.D (-1413) (-)

Ion 96.95 (96.65 to 97.65): VV017792.D (-1413) (-)

Ion 131.95 (131.65 to 132.65): VV017792.D (-1413) (-)

Ion 129.95 (129.65 to 130.65): VV017792.D (-1413) (-)



#35

Methylcyclohexane

Concen: 4.464 ug/L

RT: 6.15 min Scan# 1573

Delta R.T. -0.00 min

Lab File: VV017792.D

Acq: 03 Aug 2020 13:14

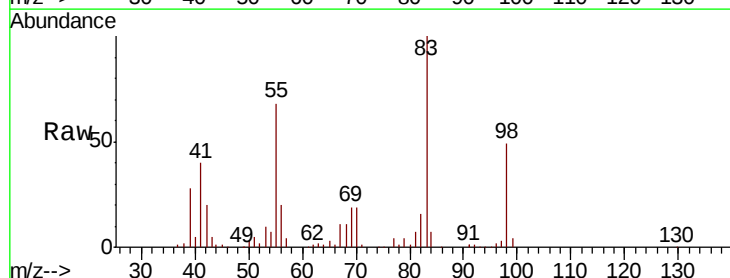
Tgt Ion: 83 Resp: 80624

Ion Ratio Lower Upper

83 100

55 72.1 60.1 90.1

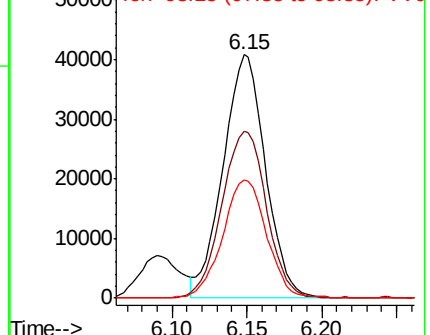
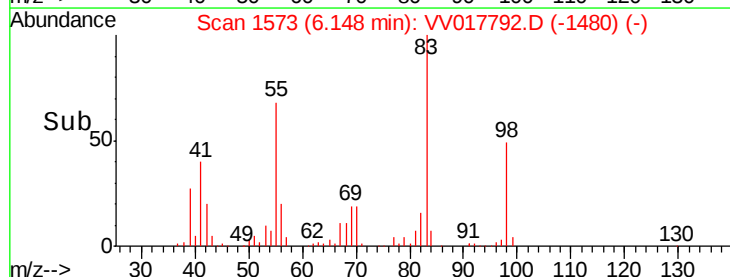
98 50.3 40.2 60.4

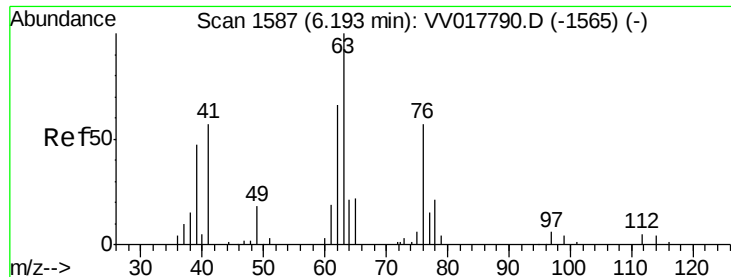


Abundance Ion 83.15 (82.85 to 83.85): VV017792.D (-1480) (-)

Ion 55.10 (54.80 to 55.80): VV017792.D (-1480) (-)

Ion 98.15 (97.85 to 98.85): VV017792.D (-1480) (-)

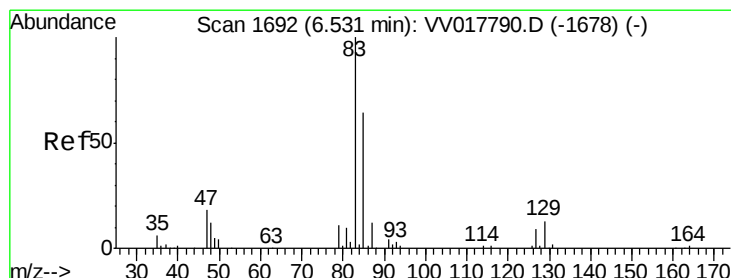
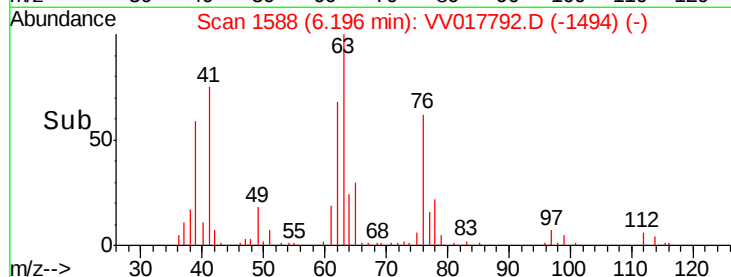
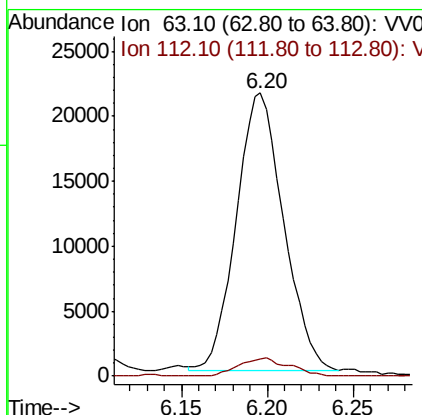
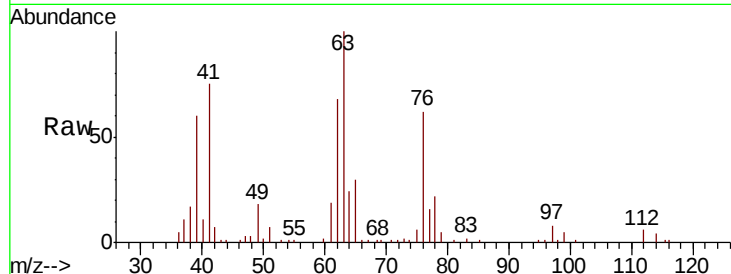




#37
 1,2-Dichloropropane
 Concen: 4.371 ug/L
 RT: 6.20 min Scan# 1588
 Delta R.T. 0.00 min
 Lab File: VV017792.D
 Acq: 03 Aug 2020 13:14

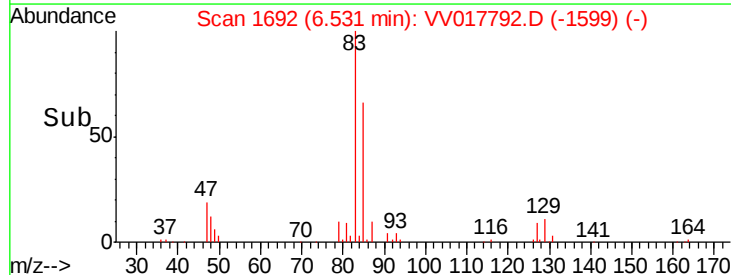
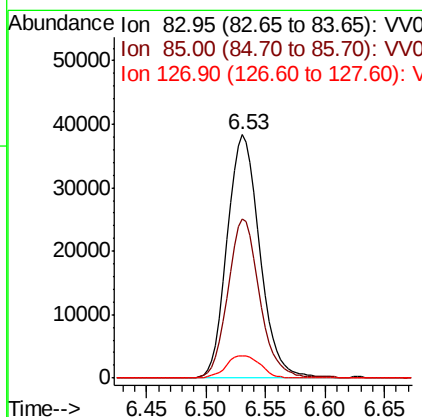
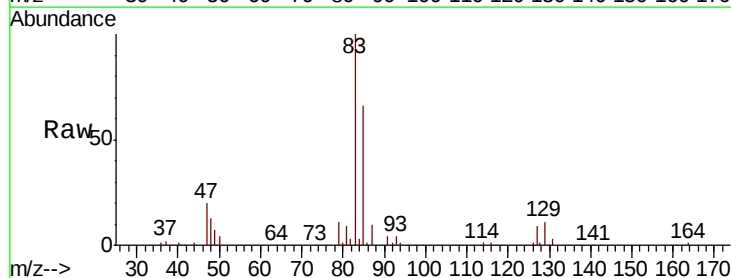
Instrument :
 MSVOA_V
 ClientSampleId :
 A5169MS

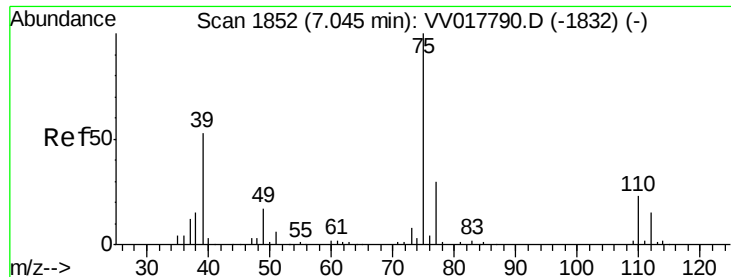
Tot Ion: 63 Resp: 40881
 Ion Ratio Lower Upper
 63 100
 112 6.9 3.8 5.6#



#38
 Bromodichloromethane
 Concen: 5.525 ug/L
 RT: 6.53 min Scan# 1692
 Delta R.T. -0.00 min
 Lab File: VV017792.D
 Acq: 03 Aug 2020 13:14

Tgt Ion: 83 Resp: 72953
 Ion Ratio Lower Upper
 83 100
 85 65.6 43.9 81.5
 127 8.9 6.9 10.3



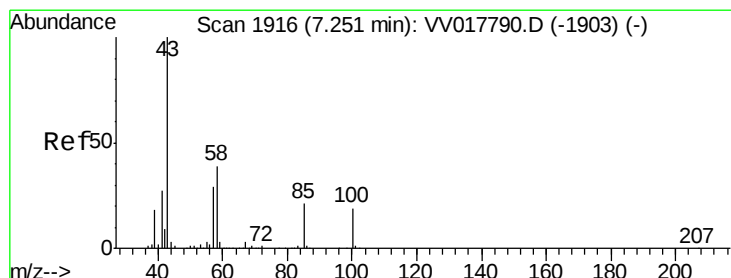
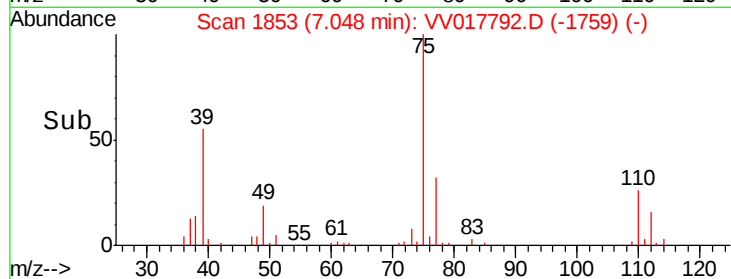
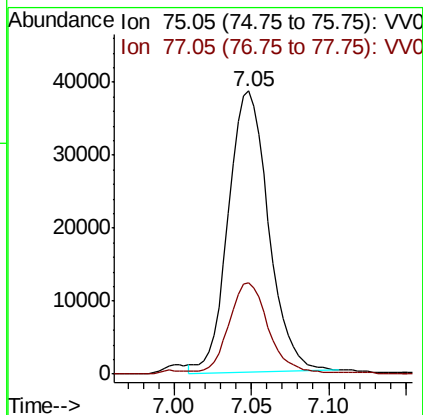
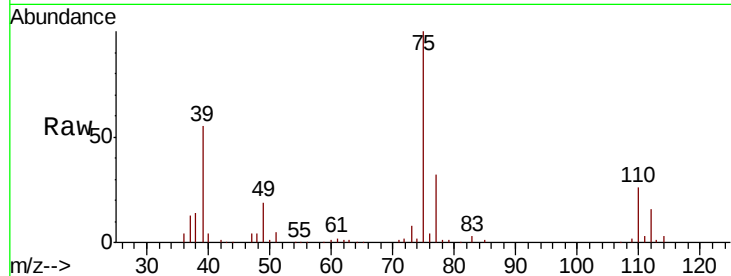


#39

cis-1,3-Dichloropropene
 Concen: 4.715 ug/L
 RT: 7.05 min Scan# 1853
 Delta R.T. 0.00 min
 Lab File: VV017792.D
 Acq: 03 Aug 2020 13:14

Instrument :
 MSVOA_V
 ClientSampleId :
 A5169MS

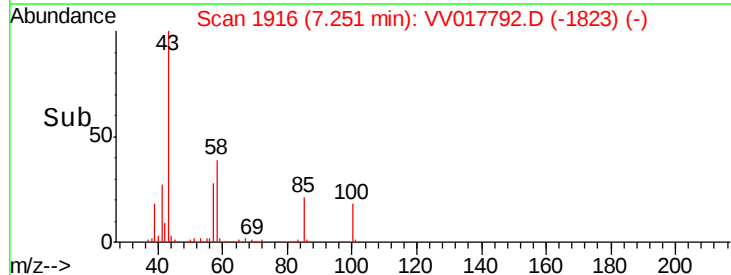
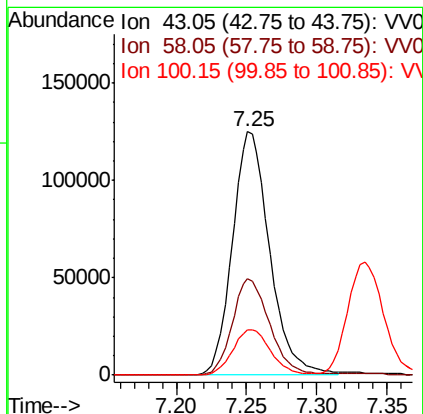
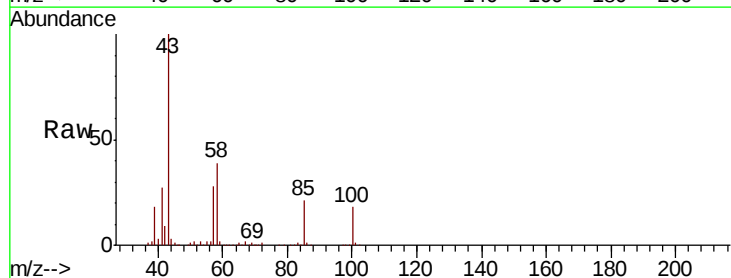
Tot Ion: 75 Resp: 69141
 Ion Ratio Lower Upper
 75 100
 77 32.2 22.4 41.6

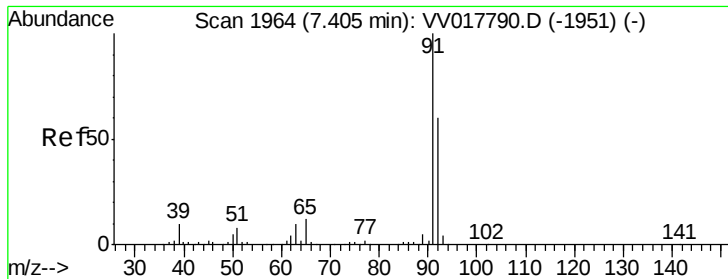


#40

4-Methyl-2-pentanone
 Concen: 43.733 ug/L
 RT: 7.25 min Scan# 1916
 Delta R.T. -0.00 min
 Lab File: VV017792.D
 Acq: 03 Aug 2020 13:14

Tgt Ion: 43 Resp: 230708
 Ion Ratio Lower Upper
 43 100
 58 39.8 31.9 47.9
 100 19.1 14.0 21.0





#42

Toluene

Concen: 4.948 ug/L

RT: 7.41 min Scan# 1964

Delta R.T. -0.00 min

Lab File: VV017792.D

Acq: 03 Aug 2020 13:14

Instrument :

MSVOA_V

ClientSampleId :

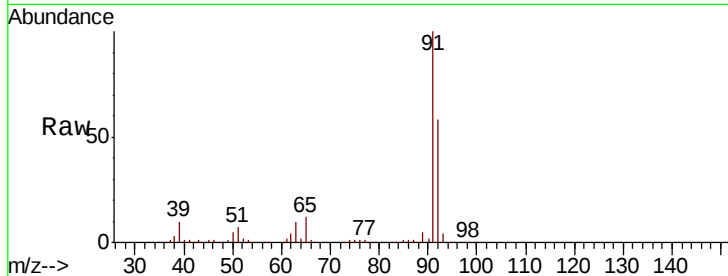
A5169MS

Tot Ion: 91 Resp: 222369

Ion Ratio Lower Upper

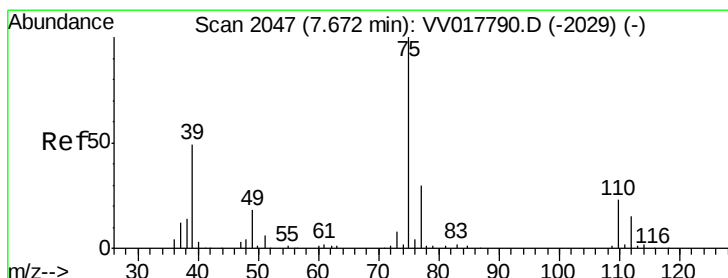
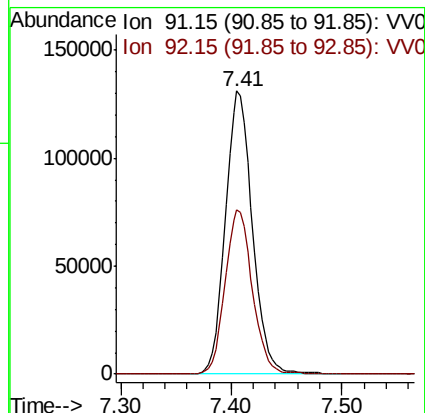
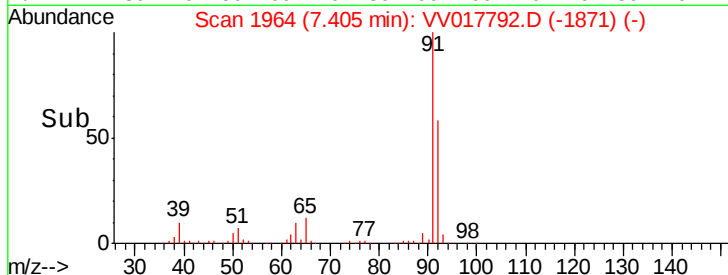
91 100

92 58.0 41.3 76.7



Abundance Ion 91.15 (90.85 to 91.85): VV017790.D (-1951) (-)

Ion 92.15 (91.85 to 92.85): VV017792.D (-1871) (-)



#44

trans-1,3-Dichloropropene

Concen: 5.687 ug/L

RT: 7.67 min Scan# 2047

Delta R.T. -0.00 min

Lab File: VV017792.D

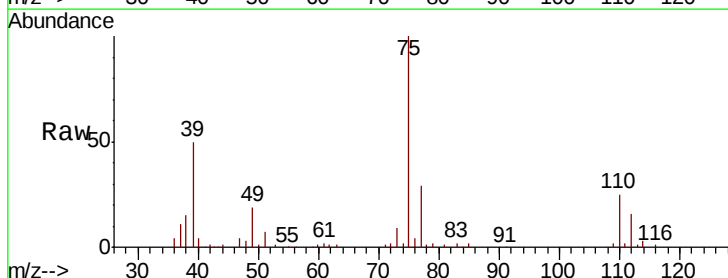
Acq: 03 Aug 2020 13:14

Tgt Ion: 75 Resp: 67431

Ion Ratio Lower Upper

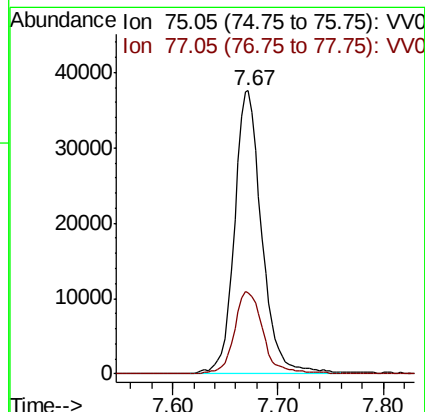
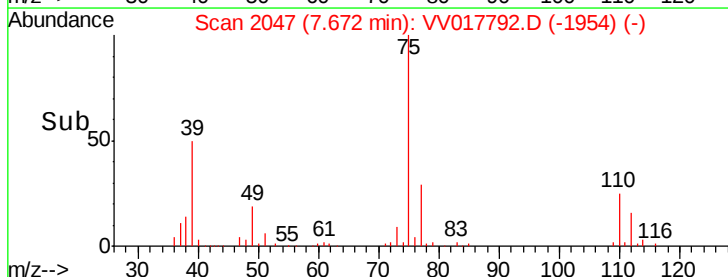
75 100

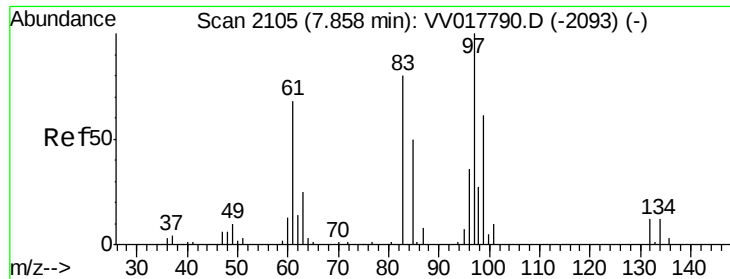
77 28.9 21.6 40.0



Abundance Ion 75.05 (74.75 to 75.75): VV017790.D (-2029) (-)

Ion 77.05 (76.75 to 77.75): VV017792.D (-1954) (-)

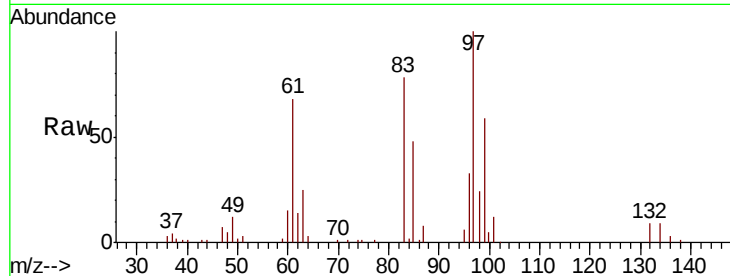




#45
 1,1,2-Trichloroethane
 Concen: 4.791 ug/L
 RT: 7.86 min Scan# 2105
 Delta R.T. -0.00 min
 Lab File: VV017792.D
 Acq: 03 Aug 2020 13:14

Instrument :
 MSVOA_V
 ClientSampleId :
 A5169MS

Tot Ion:	97	Resp:	34171
Ion	Ratio	Lower	Upper
97	100		
99	58.6	42.0	78.0
83	77.6	57.6	107.0
85	48.1	34.6	64.2



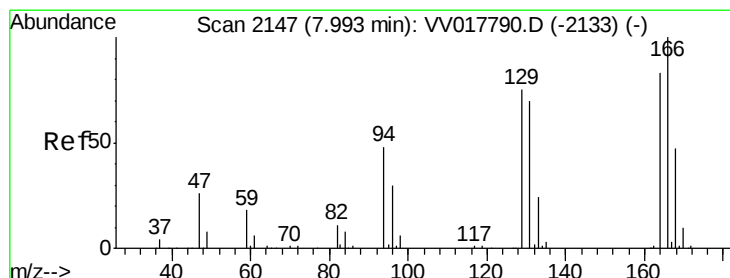
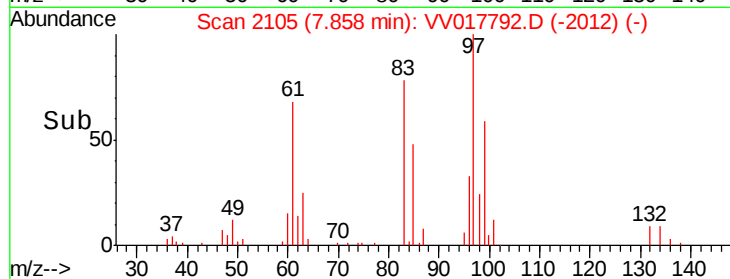
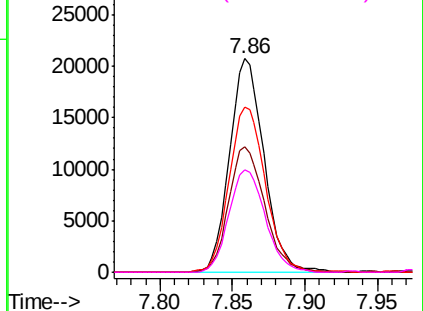
Abundance

Ion 96.95 (96.65 to 97.65): VV0

Ion 99.05 (98.75 to 99.75): VV0

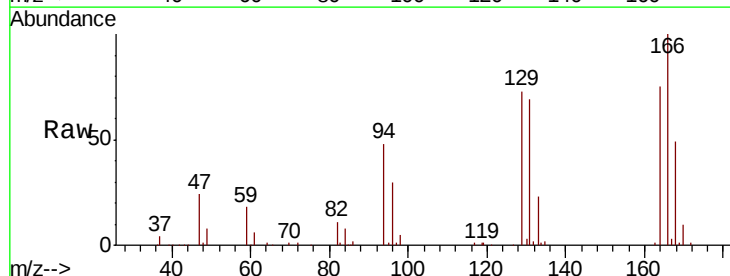
Ion 82.95 (82.65 to 83.65): VV0

Ion 85.00 (84.70 to 85.70): VV0



#47
 Tetrachloroethene
 Concen: 4.871 ug/L
 RT: 7.99 min Scan# 2147
 Delta R.T. -0.00 min
 Lab File: VV017792.D
 Acq: 03 Aug 2020 13:14

Tgt Ion:	164	Resp:	49070
Ion	Ratio	Lower	Upper
164	100		
129	97.6	61.9	114.9
131	92.5	59.4	110.4
166	133.7	89.6	166.4



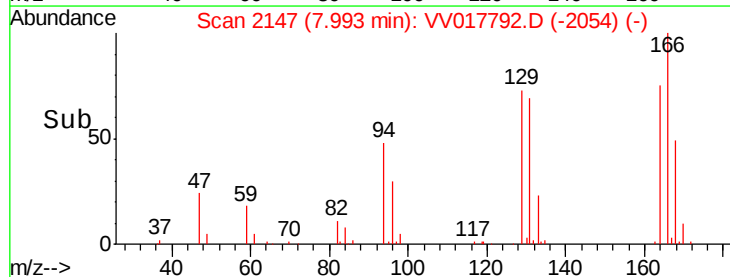
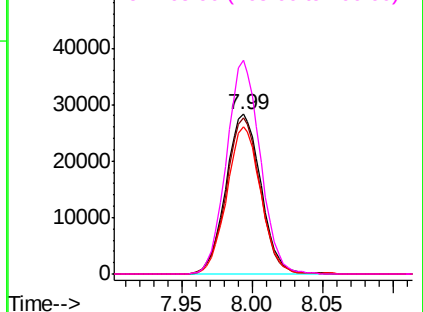
Abundance

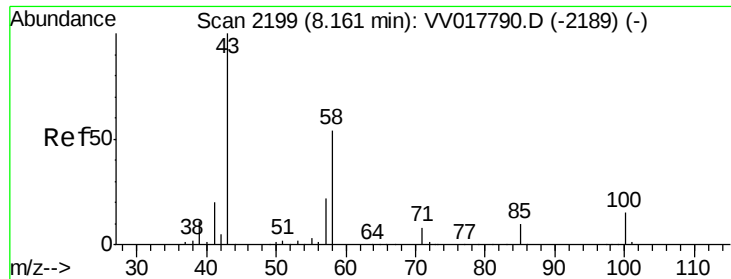
Ion 163.90 (163.60 to 164.60): V

Ion 128.95 (128.65 to 129.65): V

Ion 130.95 (130.65 to 131.65): V

Ion 165.90 (165.60 to 166.60): V

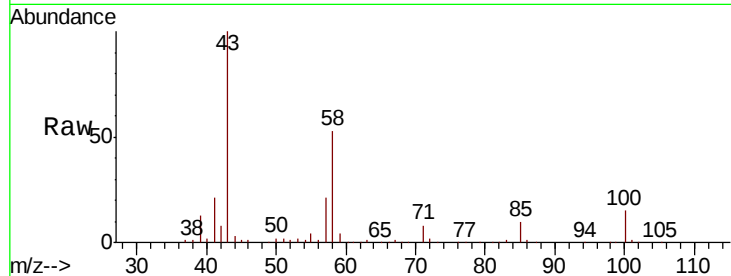




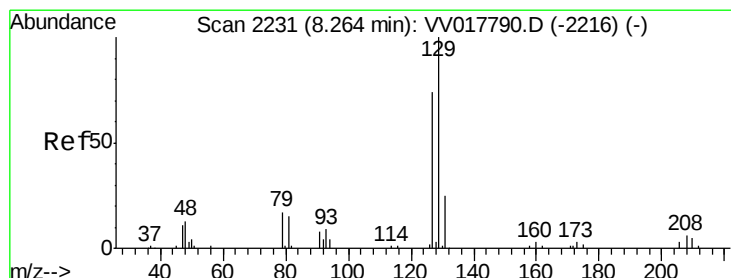
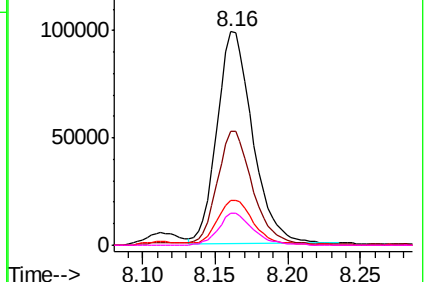
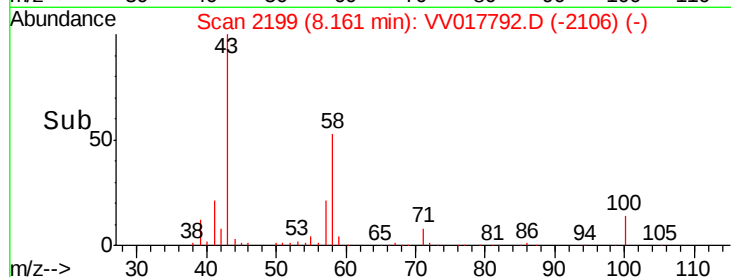
#48
2-Hexanone
Concen: 45.423 ug/L
RT: 8.16 min Scan# 2199
Delta R.T. -0.00 min
Lab File: VV017792.D
Acq: 03 Aug 2020 13:14

Instrument :
MSVOA_V
ClientSampleId :
A5169MS

Tot Ion:	43	Resp:	169351
Ion	Ratio	Lower	Upper
43	100		
58	52.4	44.1	66.1
57	21.4	16.1	24.1
100	14.7	11.3	16.9

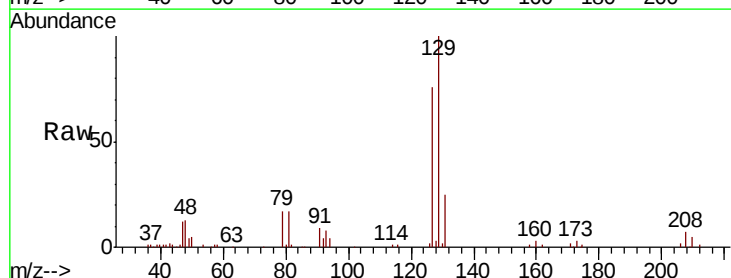


Abundance Ion 43.05 (42.75 to 43.75): VV017792.D (-2189) (-)
Ion 58.05 (57.75 to 58.75): VV017792.D (-2189) (-)
Ion 57.20 (56.90 to 57.90): VV017792.D (-2189) (-)
Ion 100.15 (99.85 to 100.85): VV017792.D (-2189) (-)

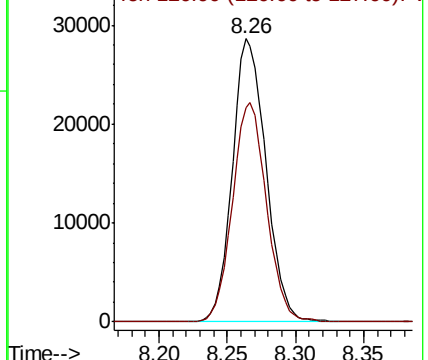
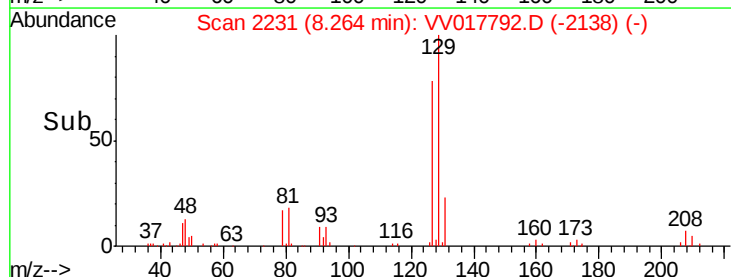


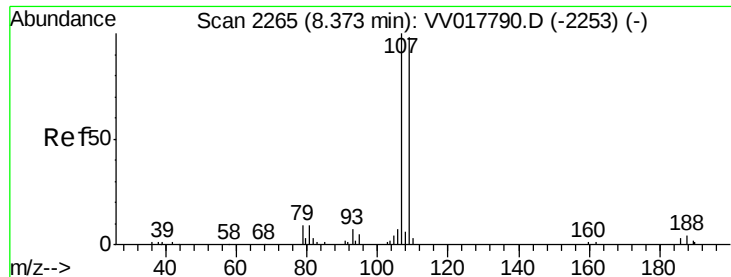
#49
Dibromochloromethane
Concen: 5.602 ug/L
RT: 8.26 min Scan# 2231
Delta R.T. -0.00 min
Lab File: VV017792.D
Acq: 03 Aug 2020 13:14

Tgt Ion:	129	Resp:	48987
Ion	Ratio	Lower	Upper
129	100		
127	75.7	55.4	102.8



Abundance Ion 128.95 (128.65 to 129.65): VV017792.D (-2216) (-)
Ion 126.90 (126.60 to 127.60): VV017792.D (-2216) (-)

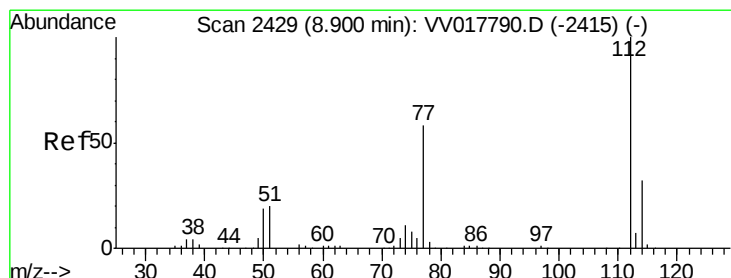
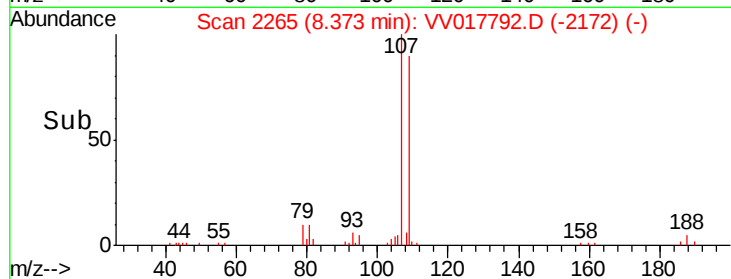
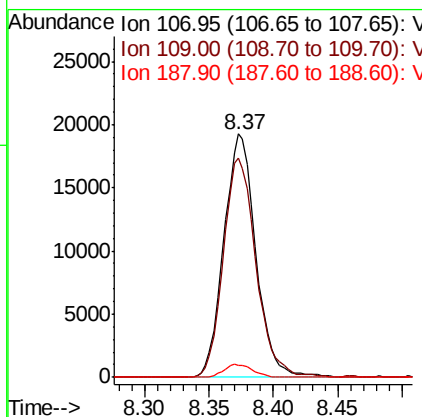
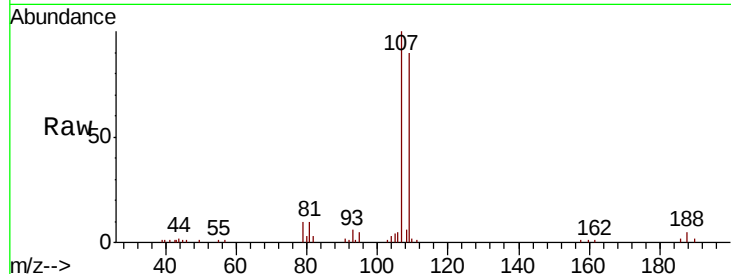




#50
1,2-Dibromoethane
Concen: 4.961 ug/L
RT: 8.37 min Scan# 2265
Delta R.T. -0.00 min
Lab File: VV017792.D
Acq: 03 Aug 2020 13:14

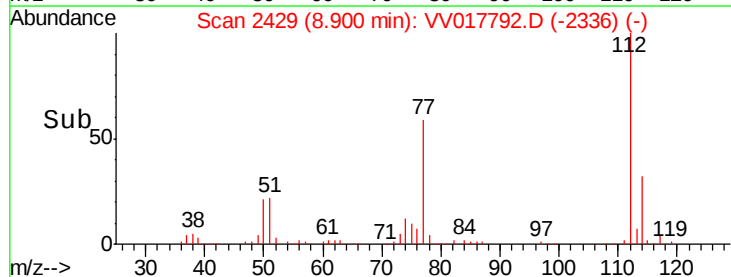
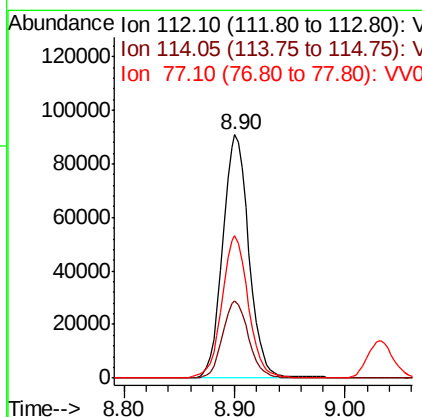
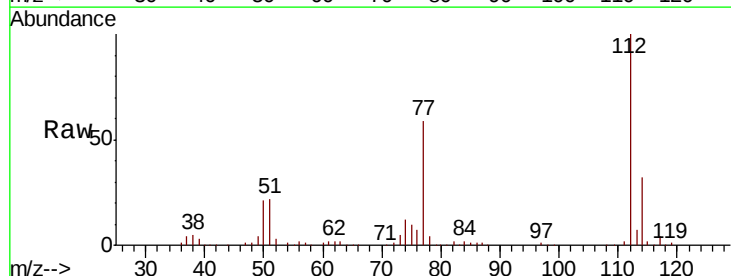
Instrument :
MSVOA_V
ClientSampleId :
A5169MS

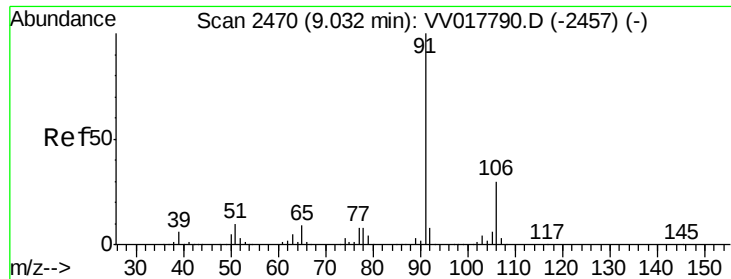
Tot Ion:107 Resp: 33071
Ion Ratio Lower Upper
107 100
109 90.2 66.3 123.1
188 5.1 3.4 5.0#



#51
Chlorobenzene
Concen: 4.990 ug/L
RT: 8.90 min Scan# 2429
Delta R.T. -0.00 min
Lab File: VV017792.D
Acq: 03 Aug 2020 13:14

Tgt Ion:112 Resp: 149938
Ion Ratio Lower Upper
112 100
114 31.8 22.1 41.1
77 58.7 45.9 68.9





#52

Ethylbenzene

Concen: 4.881 ug/L

RT: 9.03 min Scan# 2470

Delta R.T. -0.00 min

Lab File: VV017792.D

Acq: 03 Aug 2020 13:14

Instrument :

MSVOA_V

ClientSampleId :

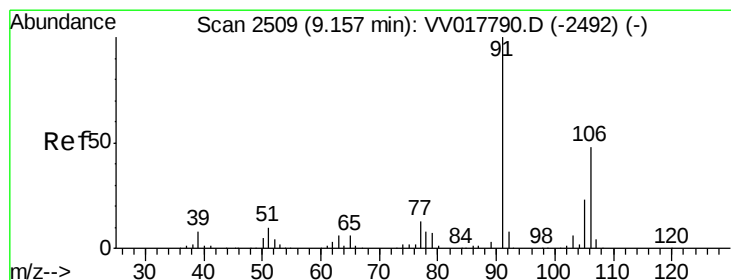
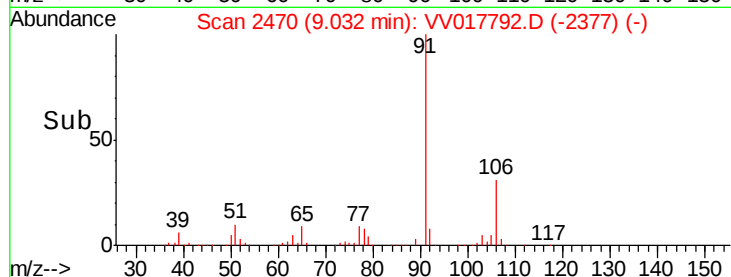
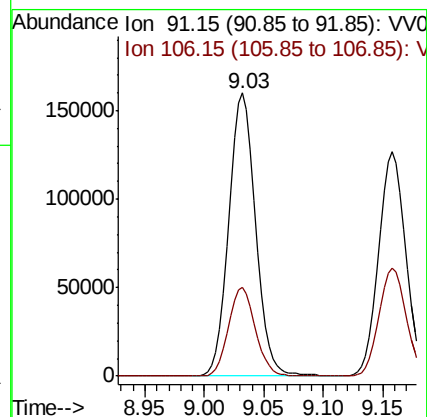
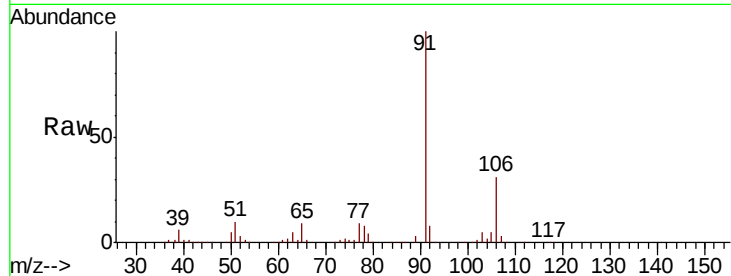
A5169MS

Tot Ion: 91 Resp: 250355

Ion Ratio Lower Upper

91 100

106 31.5 21.6 40.2



#53

m,p-xylene

Concen: 5.052 ug/L

RT: 9.16 min Scan# 2509

Delta R.T. -0.00 min

Lab File: VV017792.D

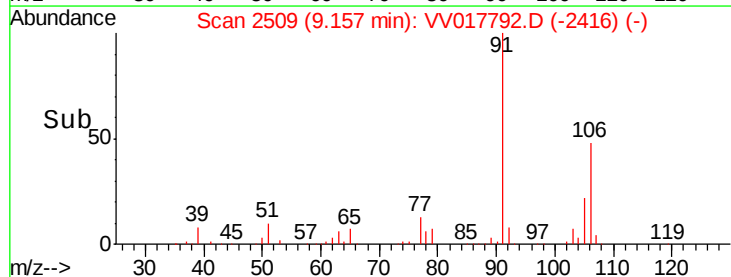
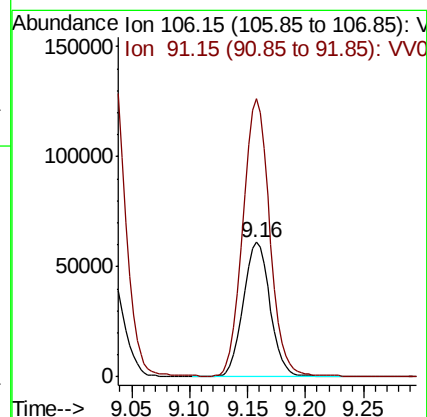
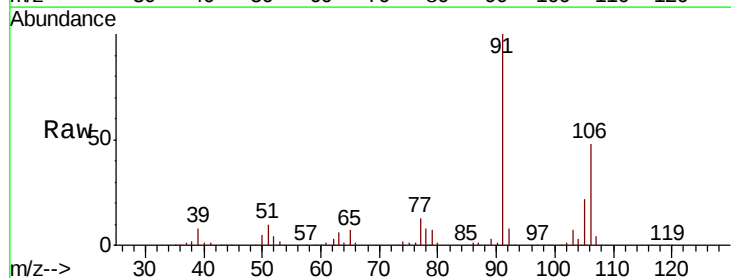
Acq: 03 Aug 2020 13:14

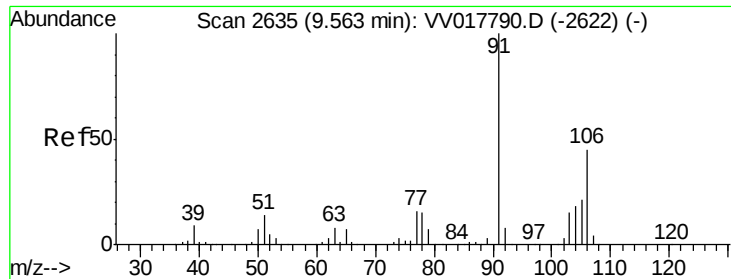
Tgt Ion: 106 Resp: 98640

Ion Ratio Lower Upper

106 100

91 206.8 141.6 263.0





#54

o-xylene

Concen: 5.079 ug/L

RT: 9.56 min Scan# 2635

Delta R.T. -0.00 min

Lab File: VV017792.D

Acq: 03 Aug 2020 13:14

Instrument :

MSVOA_V

ClientSampleId :

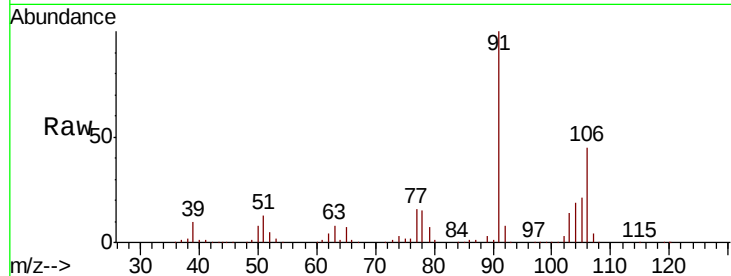
A5169MS

Tot Ion:106 Resp: 93851

Ion Ratio Lower Upper

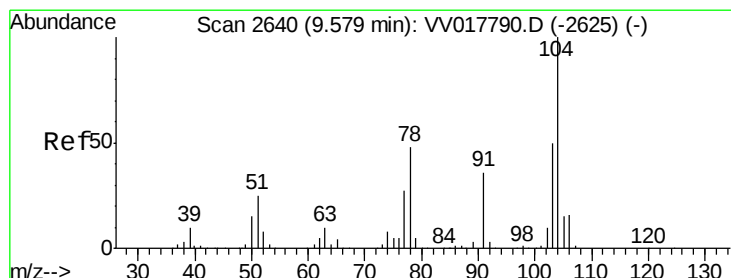
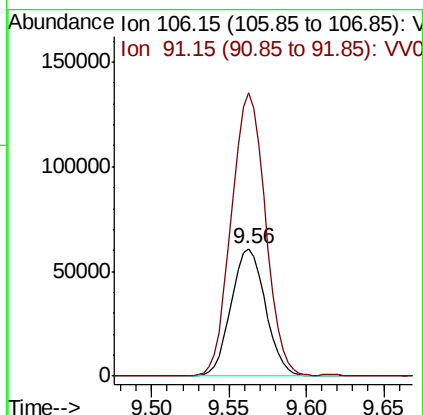
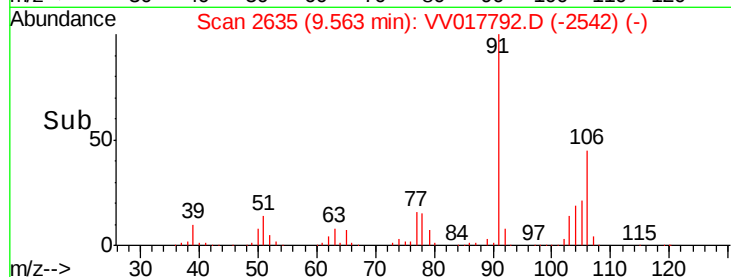
106 100

91 221.8 146.8 272.6



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VV0



#55

Styrene

Concen: 5.128 ug/L

RT: 9.58 min Scan# 2640

Delta R.T. -0.00 min

Lab File: VV017792.D

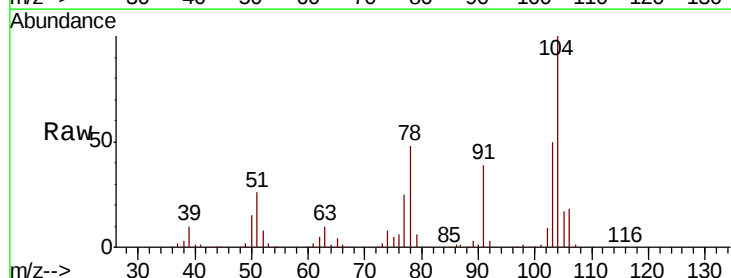
Acq: 03 Aug 2020 13:14

Tgt Ion:104 Resp: 159641

Ion Ratio Lower Upper

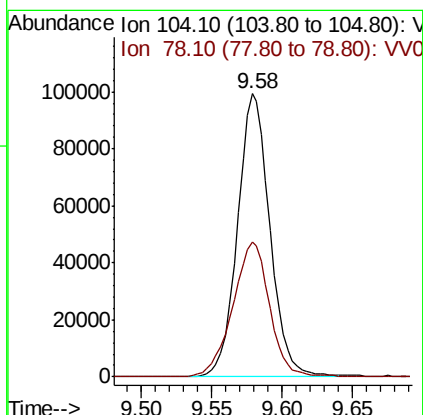
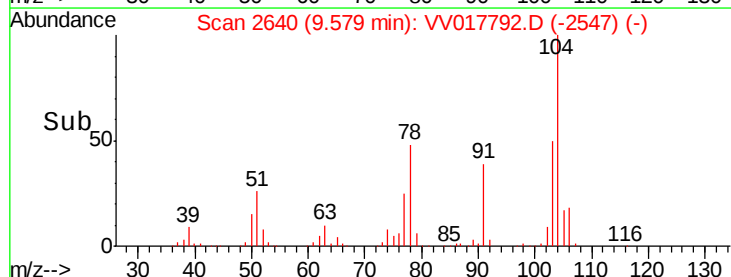
104 100

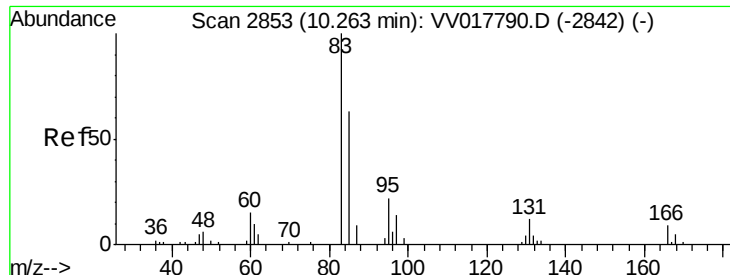
78 47.8 33.3 61.9



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VV0

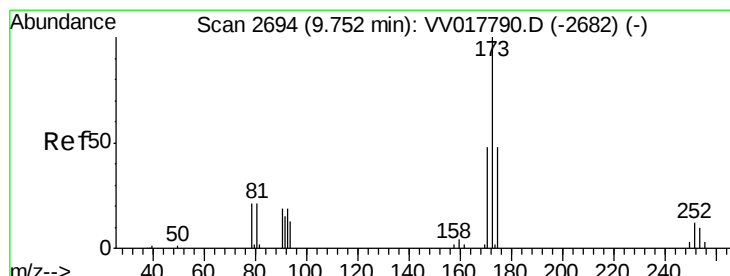
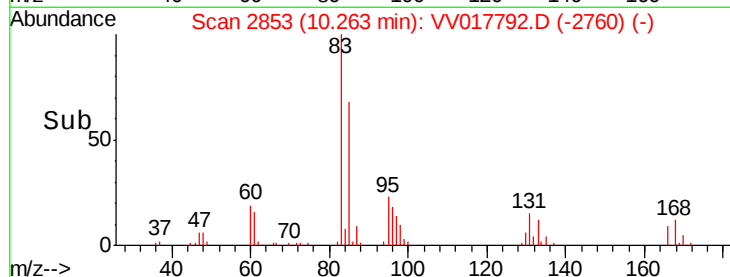
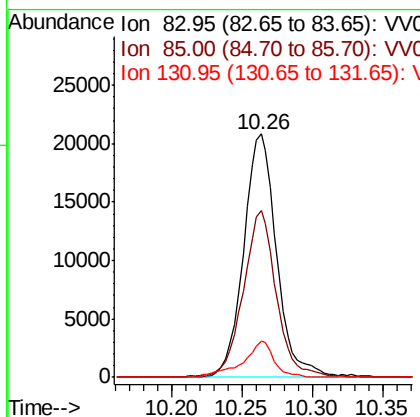
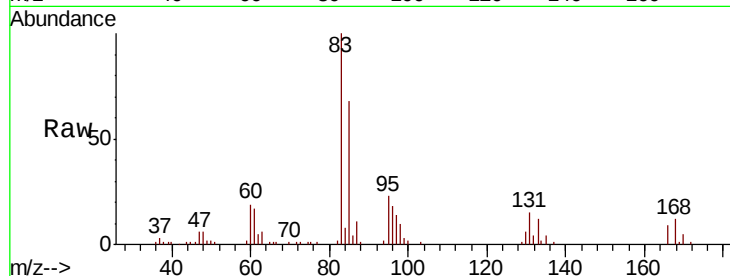




#57
 1,1,2,2-Tetrachloroethane
 Concen: 4.471 ug/L
 RT: 10.26 min Scan# 2853
 Delta R.T. -0.00 min
 Lab File: VV017792.D
 Acq: 03 Aug 2020 13:14

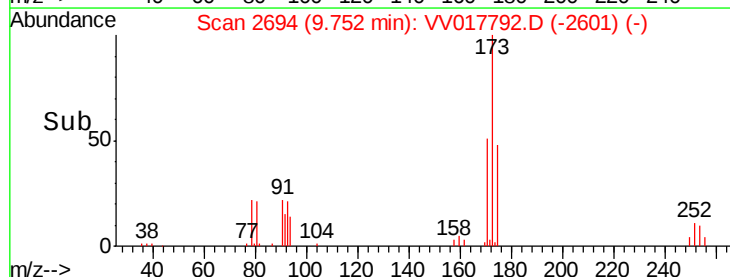
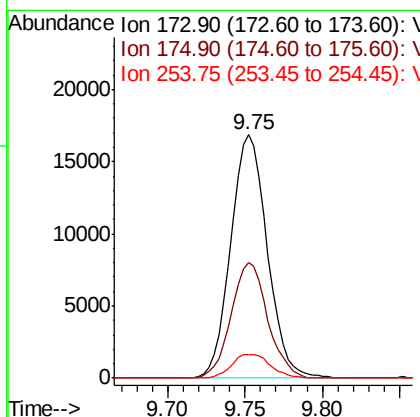
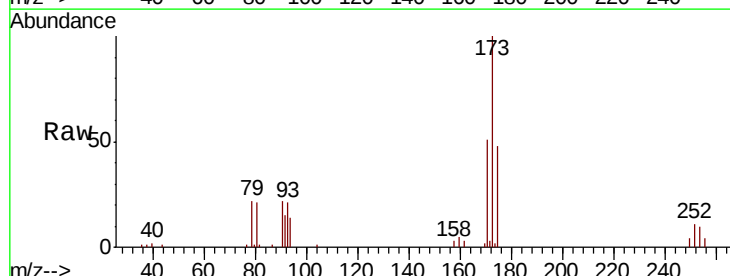
Instrument :
 MSVOA_V
 ClientSampleId :
 A5169MS

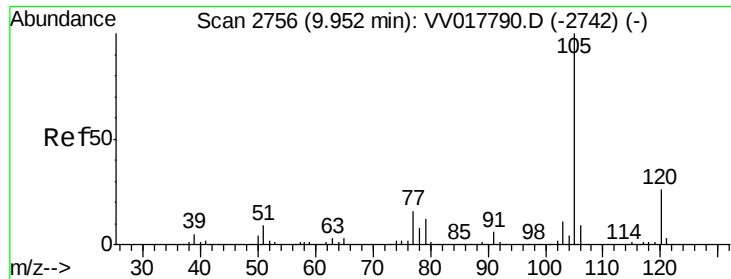
Tot Ion	83	Resp	34226
Ion Ratio	Lower	Upper	
83	100		
85	68.4	44.0	81.6
131	14.9	8.3	12.5#



#59
 Bromoform
 Concen: 5.475 ug/L
 RT: 9.75 min Scan# 2694
 Delta R.T. -0.00 min
 Lab File: VV017792.D
 Acq: 03 Aug 2020 13:14

Tgt Ion	173	Resp	27560
Ion Ratio	Lower	Upper	
173	100		
175	47.5	38.3	57.5
254	10.3	8.6	13.0





#60

Isopropylbenzene

Concen: 4.885 ug/L

RT: 9.95 min Scan# 2756

Delta R.T. -0.00 min

Lab File: VV017792.D

Acq: 03 Aug 2020 13:14

Instrument :

MSVOA_V

ClientSampleId :

A5169MS

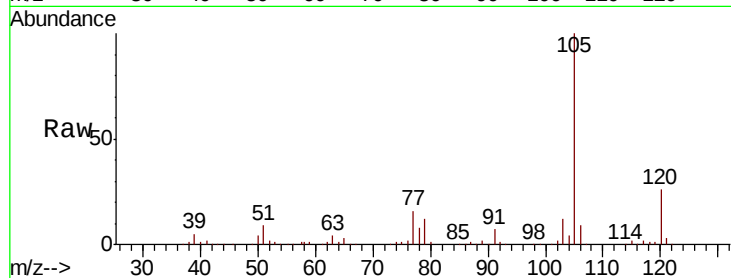
Tot Ion:105 Resp: 259844

Ion Ratio Lower Upper

105 100

120 26.2 21.5 32.3

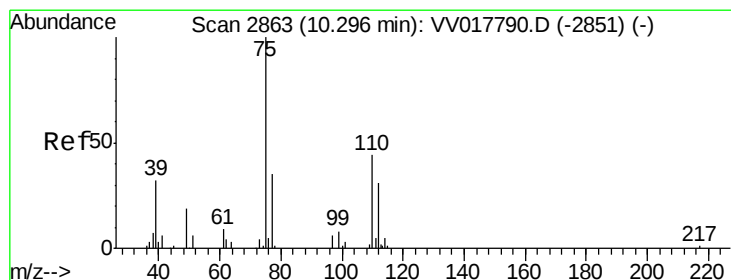
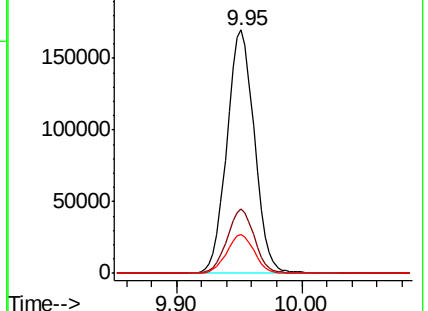
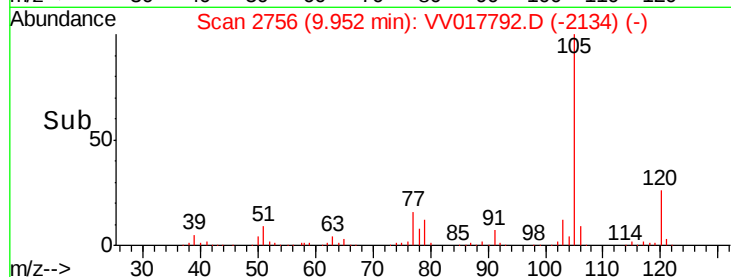
77 16.1 12.3 18.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): V



#61

1,2,3-Trichloropropane

Concen: 4.833 ug/L

RT: 10.29 min Scan# 2862

Delta R.T. -0.00 min

Lab File: VV017792.D

Acq: 03 Aug 2020 13:14

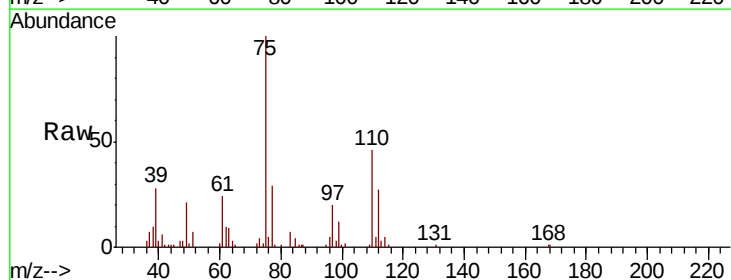
Tgt Ion: 75 Resp: 29334

Ion Ratio Lower Upper

75 100

77 30.7 26.8 40.2

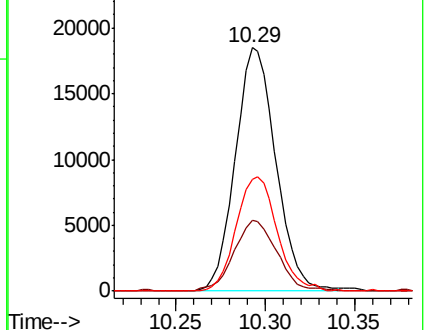
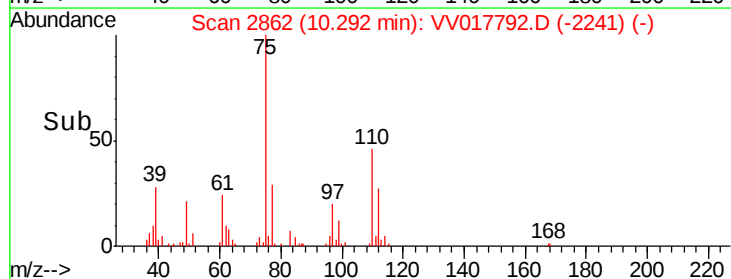
110 47.6 35.0 52.6

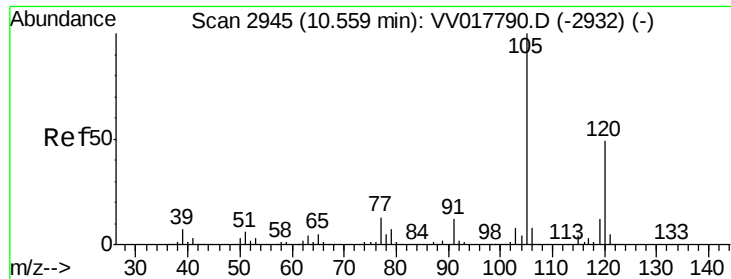


Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 77.00 (76.70 to 77.70): VV0

Ion 110.00 (109.70 to 110.70): V

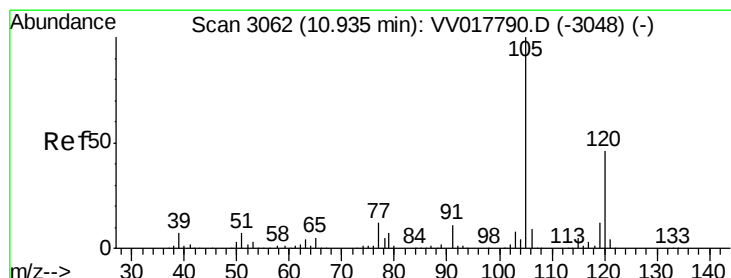
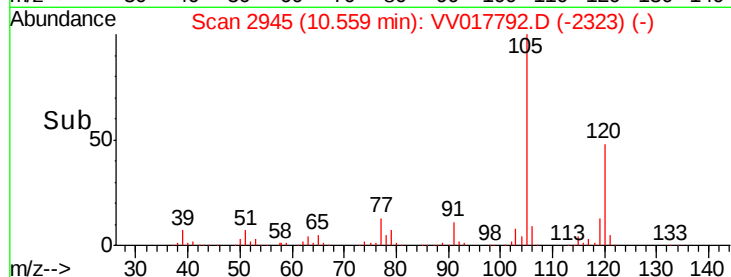
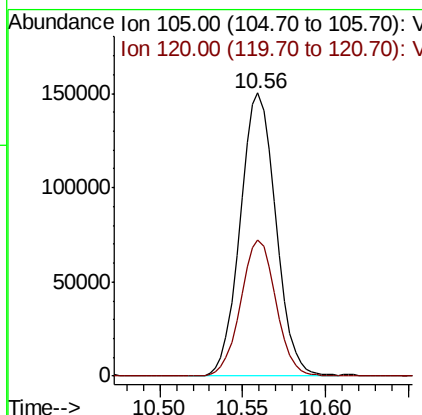
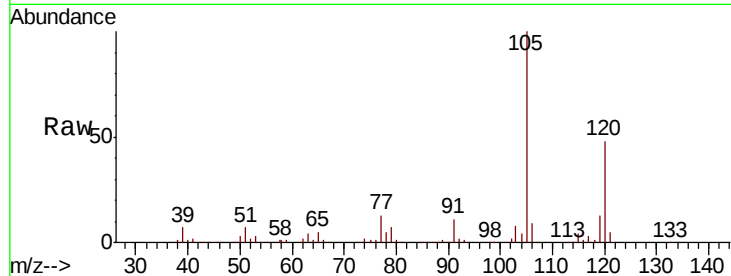




#62
 1,3,5-Trimethylbenzene
 Concen: 5.116 ug/L
 RT: 10.56 min Scan# 2945
 Delta R.T. -0.00 min
 Lab File: VV017792.D
 Acq: 03 Aug 2020 13:14

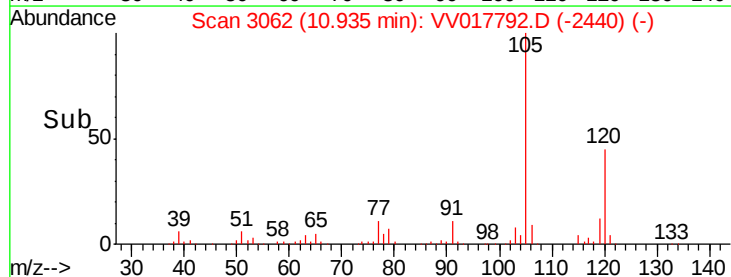
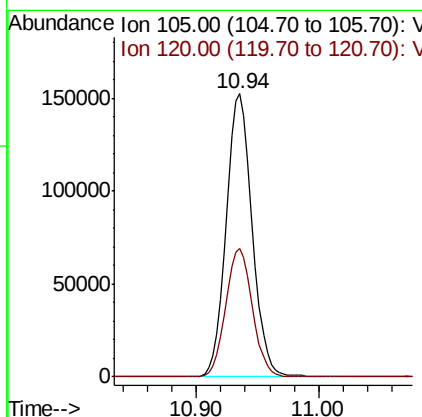
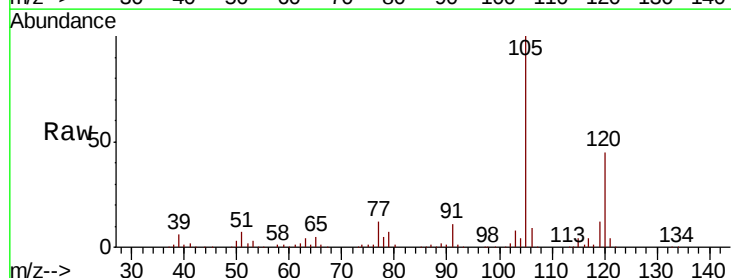
Instrument :
 MSVOA_V
 ClientSampleId :
 A5169MS

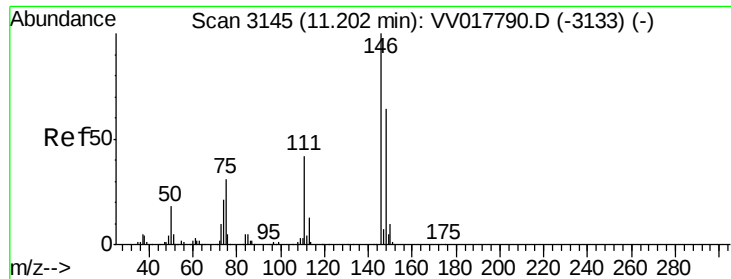
Tot Ion:105 Resp: 224717
 Ion Ratio Lower Upper
 105 100
 120 47.6 40.1 60.1



#63
 1,2,4-Trimethylbenzene
 Concen: 5.237 ug/L
 RT: 10.94 min Scan# 3062
 Delta R.T. -0.00 min
 Lab File: VV017792.D
 Acq: 03 Aug 2020 13:14

Tgt Ion:105 Resp: 228566
 Ion Ratio Lower Upper
 105 100
 120 46.4 35.8 53.8

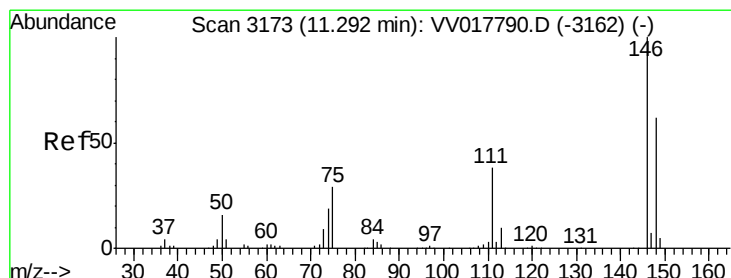
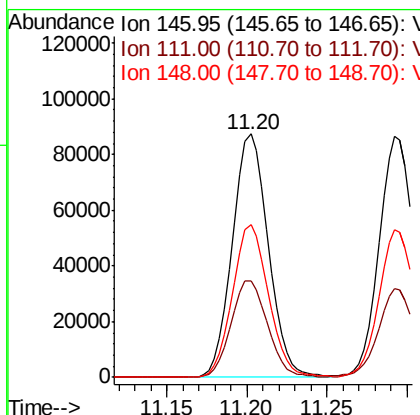
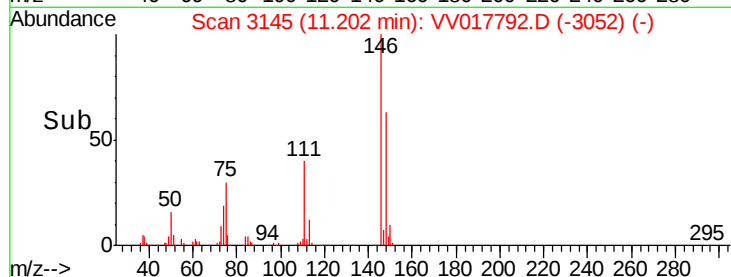
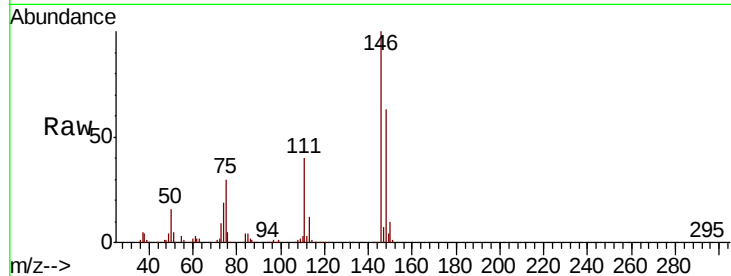




#64
 1,3-Dichlorobenzene
 Concen: 5.041 ug/L
 RT: 11.20 min Scan# 3145
 Delta R.T. -0.00 min
 Lab File: VV017792.D
 Acq: 03 Aug 2020 13:14

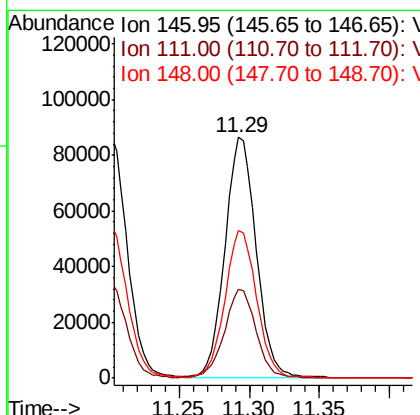
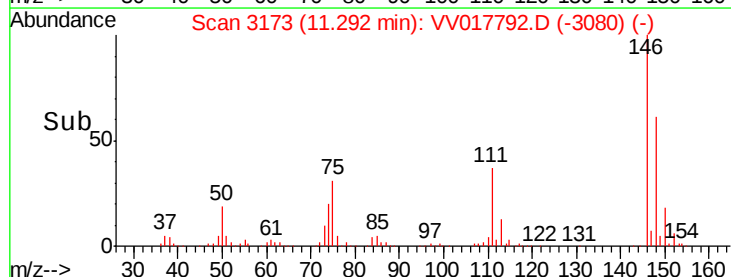
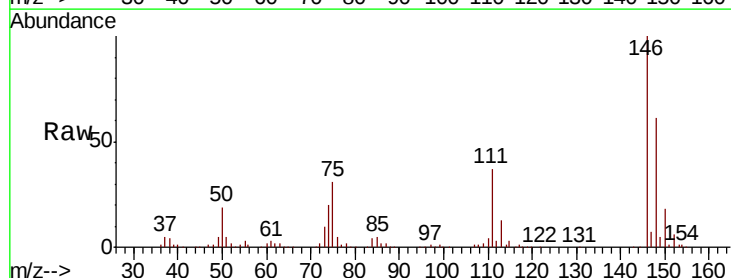
Instrument :
 MSVOA_V
 ClientSampleId :
 A5169MS

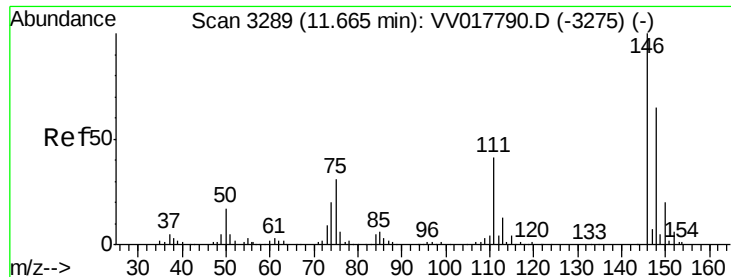
Tot Ion:146 Resp: 133643
 Ion Ratio Lower Upper
 146 100
 111 39.5 27.2 50.6
 148 63.0 44.5 82.7



#65
 1,4-Dichlorobenzene
 Concen: 4.940 ug/L
 RT: 11.29 min Scan# 3173
 Delta R.T. -0.00 min
 Lab File: VV017792.D
 Acq: 03 Aug 2020 13:14

Tgt Ion:146 Resp: 133462
 Ion Ratio Lower Upper
 146 100
 111 37.1 25.8 48.0
 148 61.4 43.8 81.3

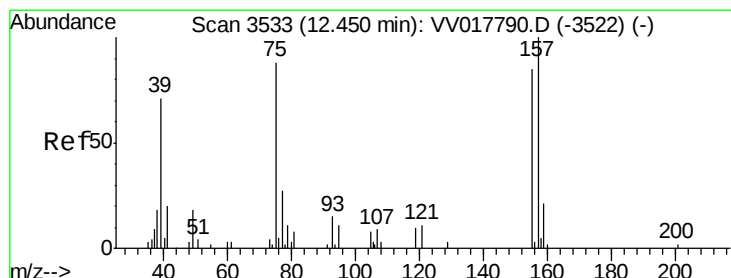
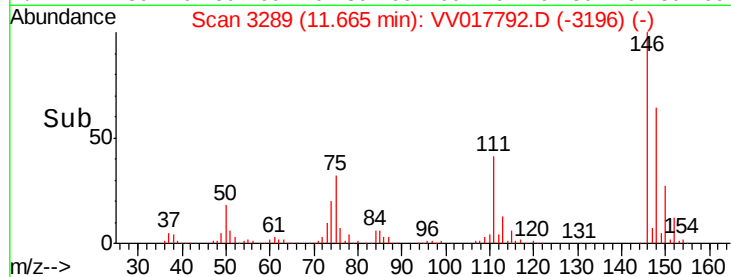
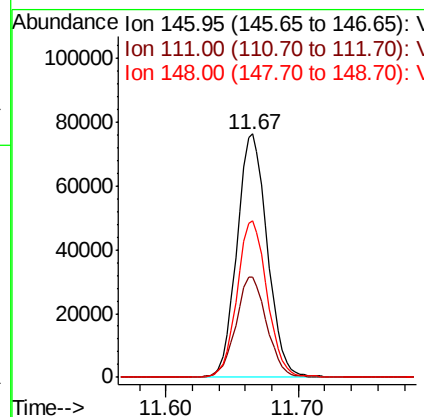
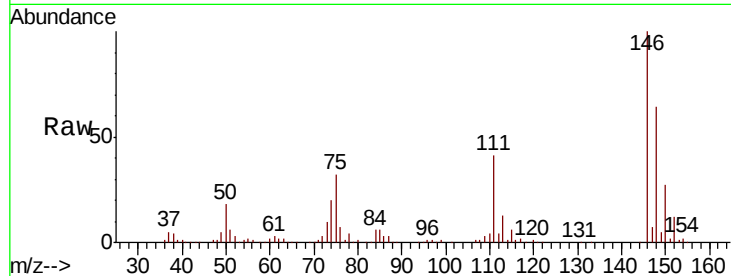




#67
 1,2-Dichlorobenzene
 Concen: 5.027 ug/L
 RT: 11.67 min Scan# 3289
 Delta R.T. -0.00 min
 Lab File: VV017792.D
 Acq: 03 Aug 2020 13:14

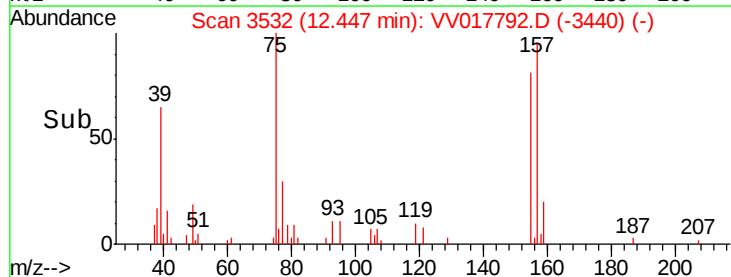
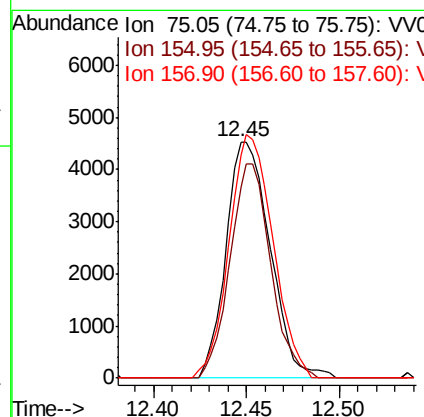
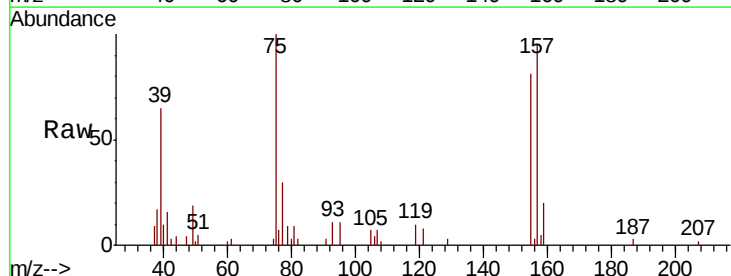
Instrument :
 MSVOA_V
 ClientSampled :
 A5169MS

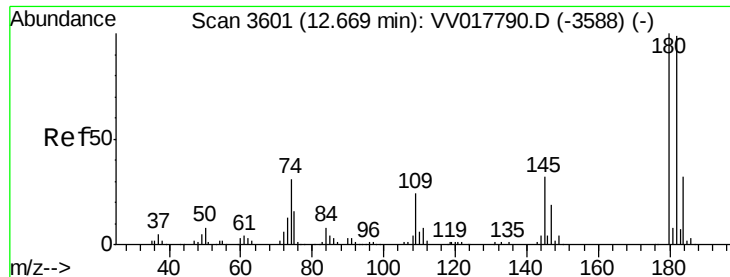
Tot Ion:146 Resp: 121102
 Ion Ratio Lower Upper
 146 100
 111 41.3 32.4 48.6
 148 64.5 49.4 74.0



#68
 1,2-Dibromo-3-chloropropane
 Concen: 5.990 ug/L
 RT: 12.45 min Scan# 3532
 Delta R.T. -0.00 min
 Lab File: VV017792.D
 Acq: 03 Aug 2020 13:14

Tgt Ion: 75 Resp: 7495
 Ion Ratio Lower Upper
 75 100
 155 80.8 75.0 112.6
 157 94.6 87.8 131.6

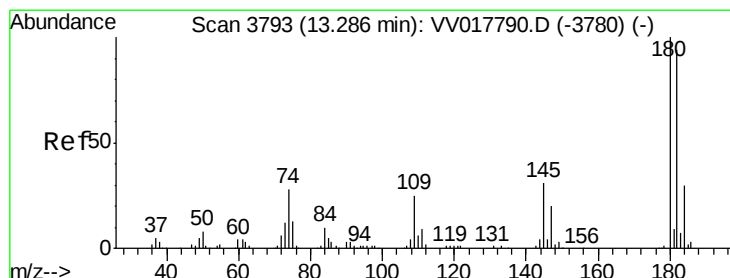
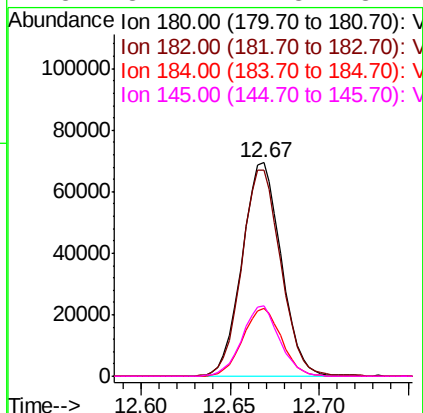
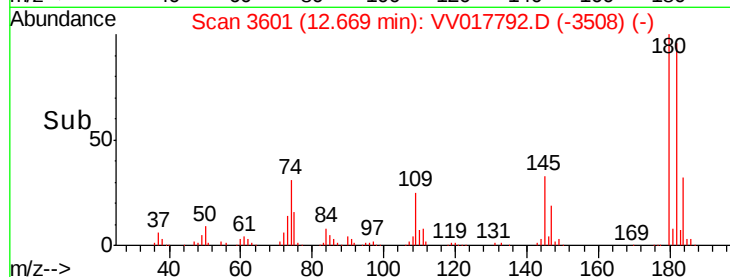
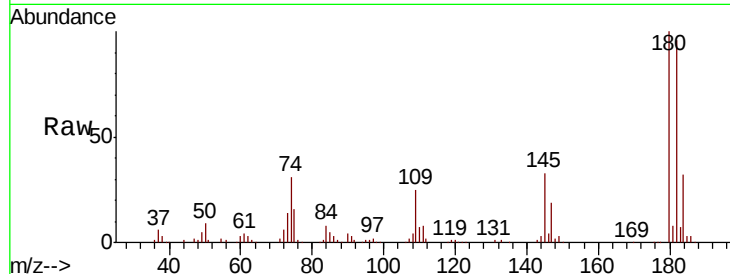




#69
 1,3,5-Trichlorobenzene
 Concen: 4.859 ug/L
 RT: 12.67 min Scan# 3601
 Delta R.T. -0.00 min
 Lab File: VV017792.D
 Acq: 03 Aug 2020 13:14

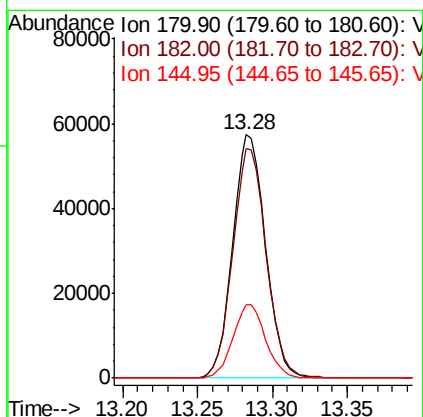
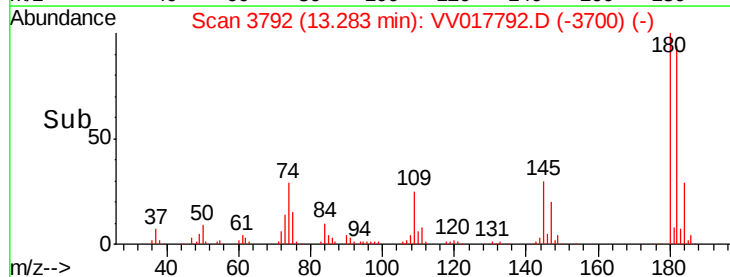
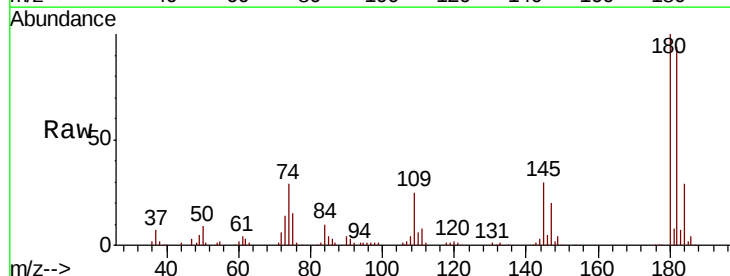
Instrument :
 MSVOA_V
 ClientSampled :
 A5169MS

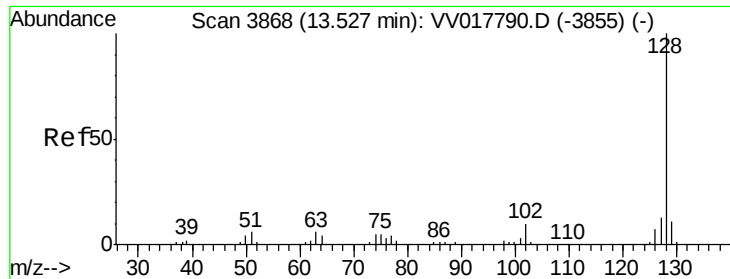
Tot Ion	Ratio	Lower	Upper
180	100		
182	96.9	77.1	115.7
184	31.4	24.6	36.8
145	31.7	22.8	34.2



#70
 1,2,4-trichlorobenzene
 Concen: 5.044 ug/L
 RT: 13.28 min Scan# 3792
 Delta R.T. -0.00 min
 Lab File: VV017792.D
 Acq: 03 Aug 2020 13:14

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.8	76.1	114.1
145	30.0	24.3	36.5

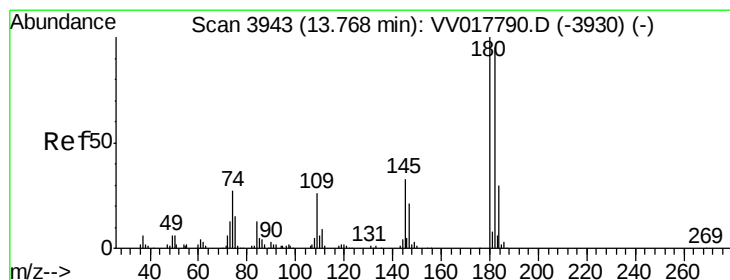
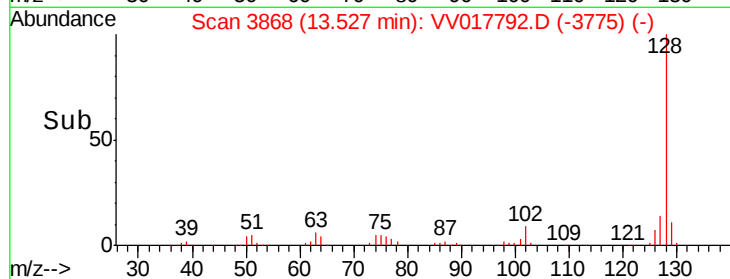
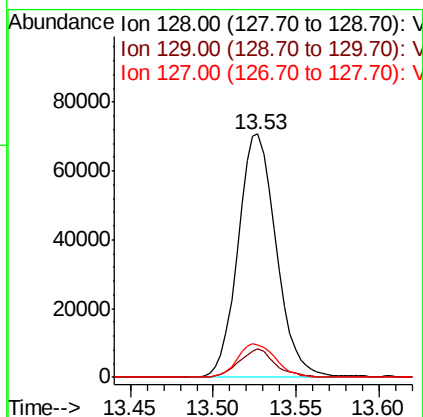
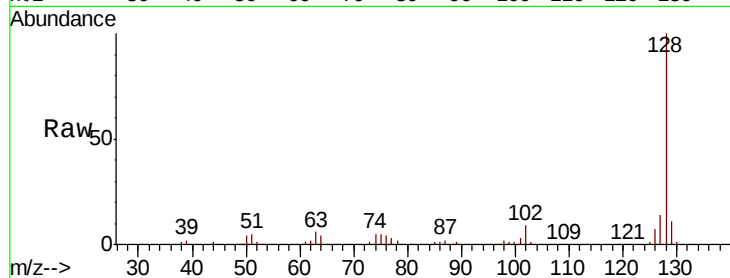




#71
Naphthalene
Concen: 4.711 ug/L
RT: 13.53 min Scan# 3868
Delta R.T. -0.00 min
Lab File: VV017792.D
Acq: 03 Aug 2020 13:14

Instrument :
MSVOA_V
ClientSampleId :
A5169MS

Tot Ion:128 Resp: 113373
Ion Ratio Lower Upper
128 100
129 11.1 9.1 13.7
127 13.9 10.4 15.6



#72
1,2,3-Trichlorobenzene
Concen: 5.068 ug/L
RT: 13.77 min Scan# 3943
Delta R.T. -0.00 min
Lab File: VV017792.D
Acq: 03 Aug 2020 13:14

Tgt Ion:180 Resp: 77899
Ion Ratio Lower Upper
180 100
182 95.5 78.5 117.7
145 33.4 25.8 38.8

