

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV051120\
 Data File : VV015980.D
 Acq On : 11 May 2020 11:04
 Operator : SY/MD
 Sample : VSTDCCC005
 Misc : 25.0mL/MSVOA V/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: May 12 00:57:35 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR050720WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Mon May 11 12:47:25 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	147571	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	143138	5.00	ug/L	0.00
61) 1,4-Dichlorobenzene-d4	11.27	152	73704	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.31	65	33239	4.15	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	83.00%
7) Chloroethane-d5	1.58	69	33068	4.36	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	87.20%
11) 1,1-Dichloroethene-d2	2.12	63	77618	4.51	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	90.20%
20) 2-Butanone-d5	3.94	46	112679	49.34	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	98.68%
24) Chloroform-d	4.38	84	85268	4.87	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	97.40%
26) 1,2-Dichloroethane-d4	5.06	65	49340	4.92	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	98.40%
32) Benzene-d6	5.07	84	161648	4.75	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	95.00%
36) 1,2-Dichloropropane-d6	6.09	67	52109	5.01	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	100.20%
41) Toluene-d8	7.34	98	152463	4.73	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	94.60%
45) trans-1,3-Dichloropropene-	7.64	79	20170	4.94	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	98.80%
48) 2-Hexanone-d5	8.11	63	87537	48.84	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	97.68%
59) 1,1,2,2-Tetrachloroethane-	10.24	84	37277	5.10	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	102.00%
65) 1,2-Dichlorobenzene-d4	11.65	152	56676	4.74	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	94.80%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.14	85	59273	5.242	ug/L 99
3) Chloromethane	1.25	50	60061	5.246	ug/L 100
5) Vinyl chloride	1.32	62	56743	5.183	ug/L 99
6) Bromomethane	1.53	94	30554	4.918	ug/L 99
8) Chloroethane	1.59	64	35362	4.534	ug/L 99
9) Trichlorofluoromethane	1.76	101	81142	5.404	ug/L 99
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	44253	5.217	ug/L 97
12) 1,1-Dichloroethene	2.13	96	42620	5.248	ug/L 88
13) Acetone	2.23	43	73784	48.979	ug/L 65
14) Carbon disulfide	2.31	76	140326	5.234	ug/L 100
15) Methyl Acetate	2.46	43	19335	5.554	ug/L 97
16) Methylene chloride	2.52	84	50450	5.192	ug/L 97
17) Methyl tert-butyl Ether	2.79	73	109015	5.166	ug/L 99
18) trans-1,2-Dichloroethene	2.78	96	48730	5.430	ug/L 98
19) 1,1-Dichloroethane	3.21	63	92294	5.339	ug/L 98
21) 2-Butanone	4.02	43	110389	48.116	ug/L 94
22) cis-1,2-Dichloroethene	3.94	96	50274	5.351	ug/L 100

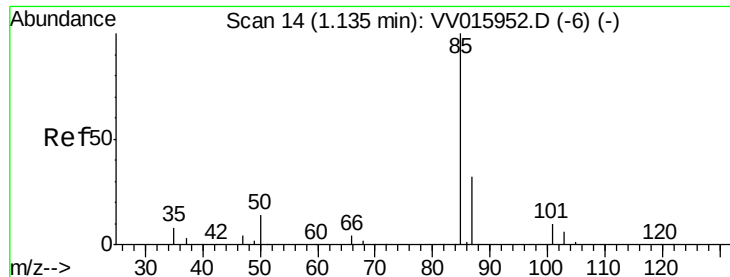
Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV051120\
 Data File : VV015980.D
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 Quant Title : TRACE VOA SOM01.0
 QLast Update : Mon May 11 12:47:25 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.27	128	21095	5.261	ug/L	97
25) Chloroform	4.40	83	99318	5.217	ug/L	99
27) 1,2-Dichloroethane	5.16	62	61884	5.291	ug/L	98
29) 1,1,1-Trichloroethane	4.63	97	85150	5.394	ug/L	99
30) Cyclohexane	4.70	56	83460	5.276	ug/L	98
31) Carbon tetrachloride	4.85	117	74080	5.438	ug/L	100
33) Benzene	5.12	78	197172	5.475	ug/L	100
34) Trichloroethene	5.94	95	53268	5.182	ug/L	96
35) Methylcyclohexane	6.15	83	82871	5.330	ug/L	98
37) 1,2-Dichloropropane	6.20	63	50287	5.496	ug/L	98
38) Bromodichloromethane	6.53	83	63963	5.505	ug/L	99
39) cis-1,3-Dichloropropene	7.05	75	68167	5.271	ug/L	97
40) 4-Methyl-2-pentanone	7.25	43	303818	53.276	ug/L	100
42) Toluene	7.41	91	209575	5.490	ug/L	98
43) 1,3,5-Trimethylbenzene	10.56	105	193188	5.513	ug/L #	100
44) 1,2,4-Trimethylbenzene	10.94	105	190744	5.447	ug/L #	100
46) trans-1,3-Dichloropropene	7.67	75	59622	5.458	ug/L	98
47) 1,1,2-Trichloroethane	7.86	97	32895	5.384	ug/L	100
49) Tetrachloroethene	8.00	164	38649	5.389	ug/L	95
50) 2-Hexanone	8.16	43	216654	53.723	ug/L	100
51) Dibromochloromethane	8.27	129	37604	5.477	ug/L	96
52) 1,2-Dibromoethane	8.37	107	30411	5.367	ug/L	96
53) Chlorobenzene	8.90	112	131168	5.343	ug/L	98
54) Ethylbenzene	9.03	91	234535	5.403	ug/L	98
55) m,p-xylene	9.16	106	89034	5.540	ug/L	97
56) o-xylene	9.56	106	84224	5.481	ug/L	98
57) Styrene	9.58	104	144723	5.631	ug/L	98
58) Isopropylbenzene	9.95	105	229981	5.448	ug/L	99
60) 1,1,2,2-Tetrachloroethane	10.26	83	35792	5.482	ug/L	96
62) Bromoform	9.76	173	17931	5.296	ug/L	97
63) 1,3-Dichlorobenzene	11.20	146	105411	5.308	ug/L	98
64) 1,4-Dichlorobenzene	11.30	146	106075	5.317	ug/L	99
66) 1,2-Dichlorobenzene	11.67	146	96000	5.342	ug/L	98
67) 1,2-Dibromo-3-chloropropan	12.45	75	6041	5.150	ug/L	93
68) 1,3,5-Trichlorobenzene	12.67	180	77535	5.340	ug/L	99
69) 1,2,4-trichlorobenzene	13.28	180	65723	5.268	ug/L	97
70) Naphthalene	13.52	128	100853	5.083	ug/L	100
71) 1,2,3-Trichlorobenzene	13.77	180	57948	5.266	ug/L	98

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



#2

Dichlorodifluoromethane

Concen: 5.242 ug/L

RT: 1.14 min Scan# 14

Delta R.T. 0.00 min

Lab File: VV015980.D

Acq: 11 May 2020 11:04

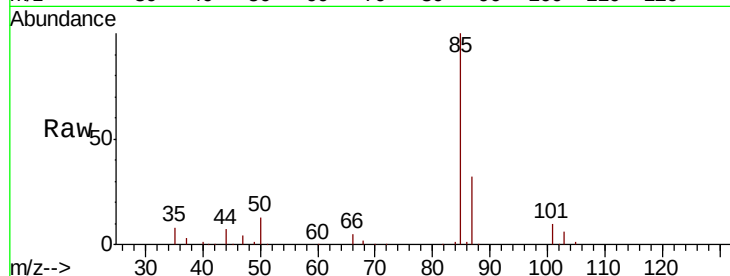
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 85 Resp: 59273

Ion Ratio Lower Upper

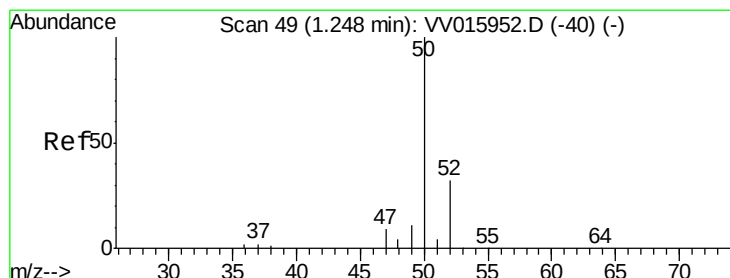
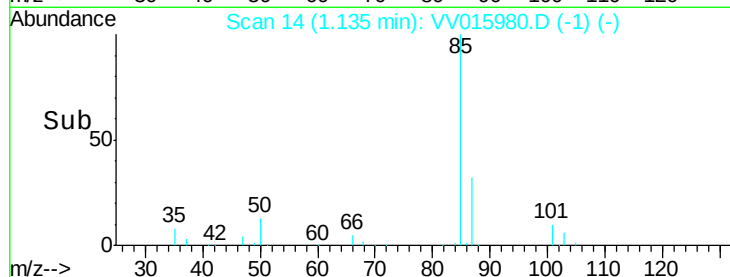
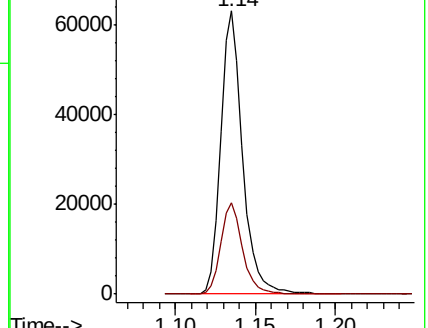
85 100

87 32.3 26.4 39.6



Abundance Ion 85.00 (84.70 to 85.70): VV015952.D (-6) (-)

Ion 87.00 (86.70 to 87.70): VV015952.D (-6) (-)



#3

Chloromethane

Concen: 5.246 ug/L

RT: 1.25 min Scan# 49

Delta R.T. 0.00 min

Lab File: VV015980.D

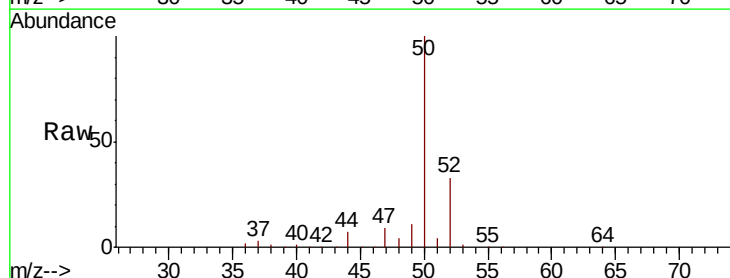
Acq: 11 May 2020 11:04

Tgt Ion: 50 Resp: 60061

Ion Ratio Lower Upper

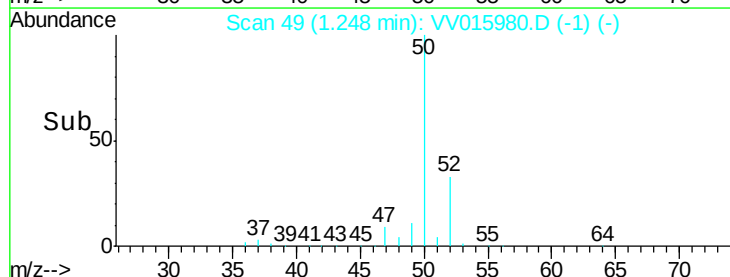
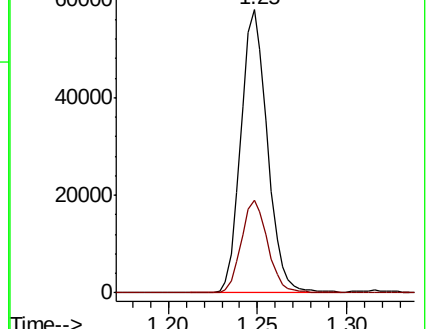
50 100

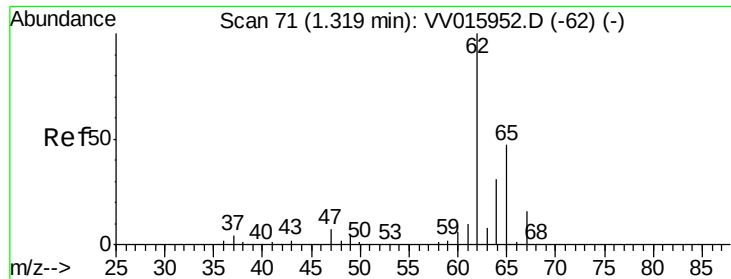
52 32.9 22.8 42.4



Abundance Ion 50.05 (49.75 to 50.75): VV015952.D (-40) (-)

Ion 52.05 (51.75 to 52.75): VV015952.D (-40) (-)





#5

Vinyl chloride

Concen: 5.183 ug/L

RT: 1.32 min Scan# 71

Delta R.T. 0.00 min

Lab File: VV015980.D

Acq: 11 May 2020 11:04

Instrument :

MSVOA_V

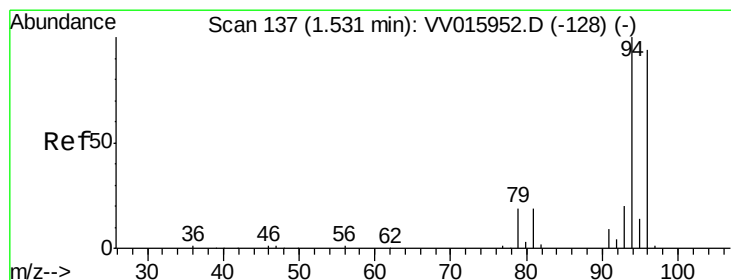
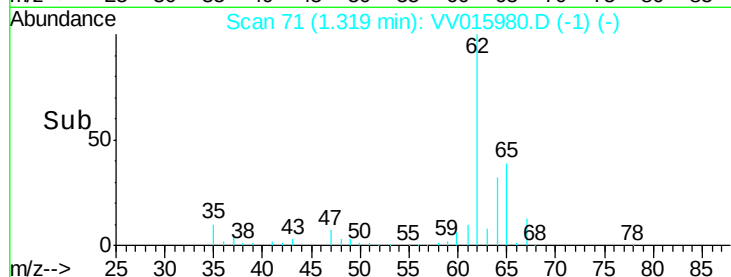
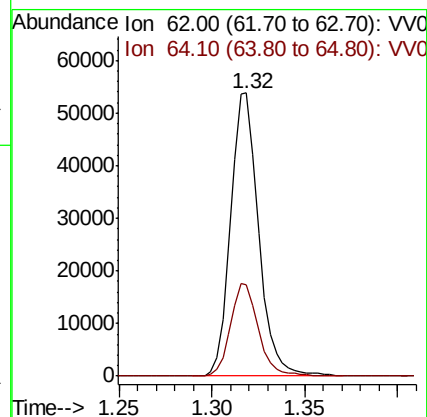
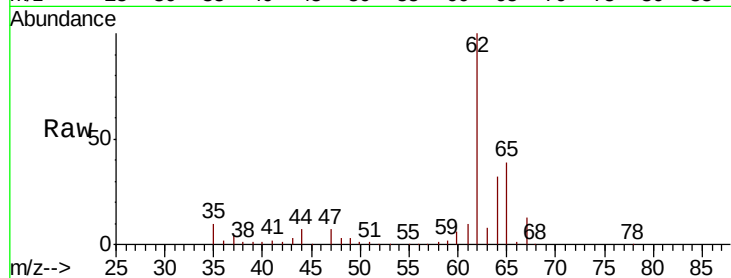
ClientSampled :

Tot Ion: 62 Resp: 56743

Ion Ratio Lower Upper

62 100

64 32.4 22.4 41.6



#6

Bromomethane

Concen: 4.918 ug/L

RT: 1.53 min Scan# 137

Delta R.T. 0.00 min

Lab File: VV015980.D

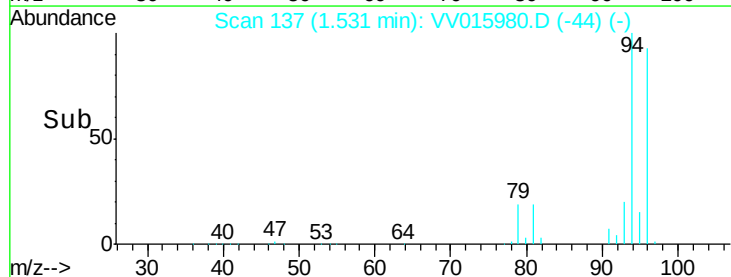
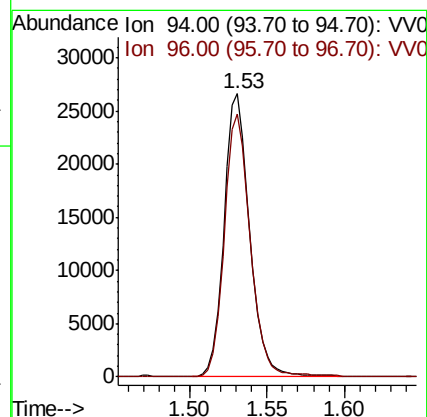
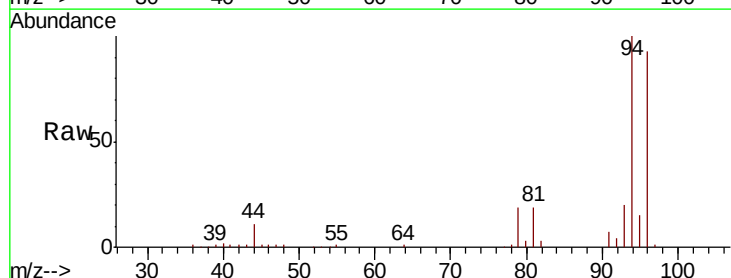
Acq: 11 May 2020 11:04

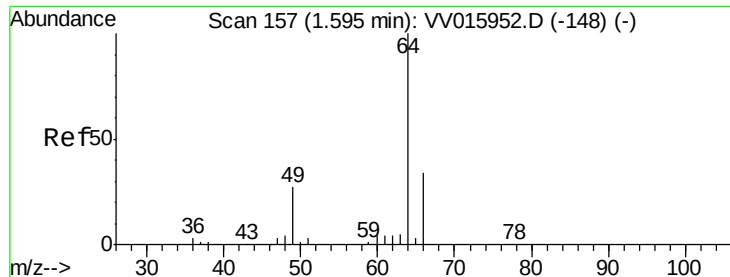
Tgt Ion: 94 Resp: 30554

Ion Ratio Lower Upper

94 100

96 92.8 65.4 121.4





#8

Chloroethane

Concen: 4.534 ug/L

RT: 1.59 min Scan# 156

Delta R.T. -0.00 min

Lab File: VV015980.D

Acq: 11 May 2020 11:04

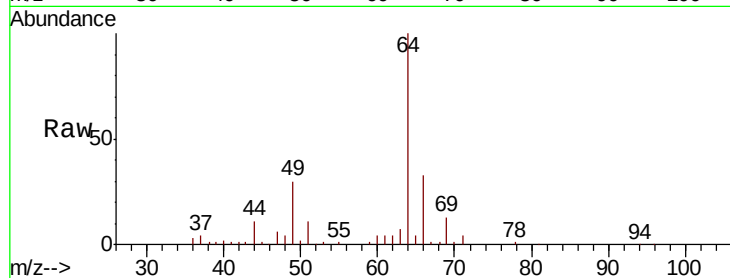
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 64 Resp: 35362

Ion Ratio Lower Upper

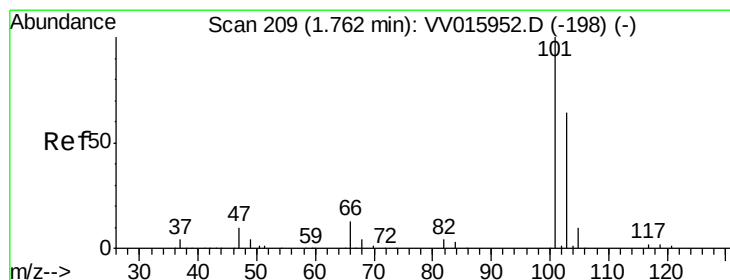
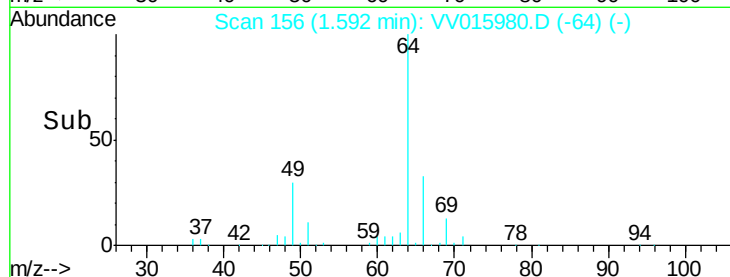
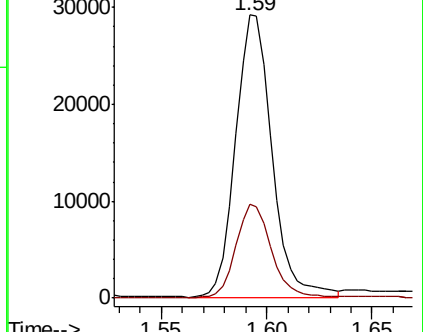
64 100

66 33.1 23.6 43.8



Abundance Ion 64.10 (63.80 to 64.80): VV015952.D (-148) (-)

Ion 66.05 (65.75 to 66.75): VV015952.D (-148) (-)



#9

Trichlorofluoromethane

Concen: 5.404 ug/L

RT: 1.76 min Scan# 209

Delta R.T. 0.00 min

Lab File: VV015980.D

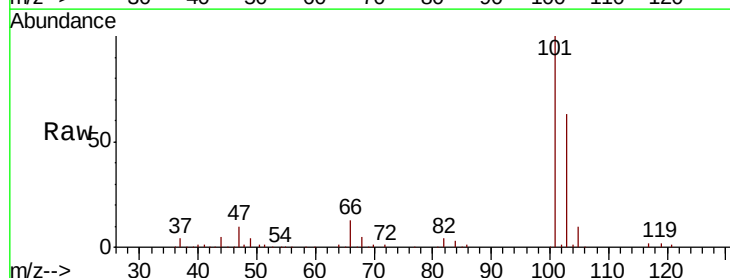
Acq: 11 May 2020 11:04

Tgt Ion:101 Resp: 81142

Ion Ratio Lower Upper

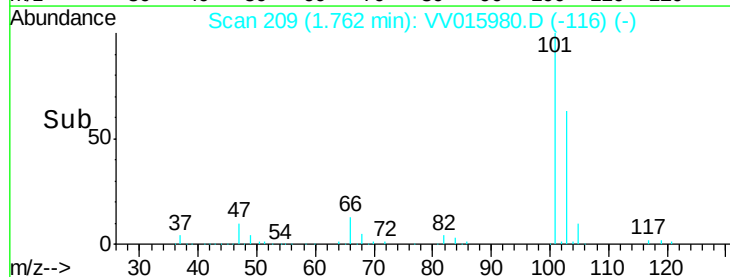
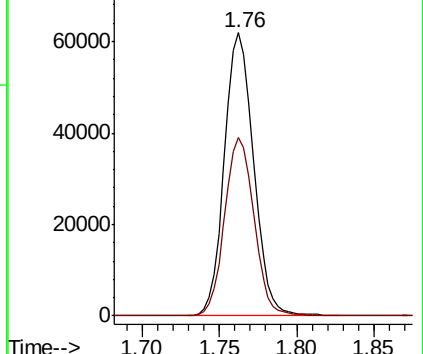
101 100

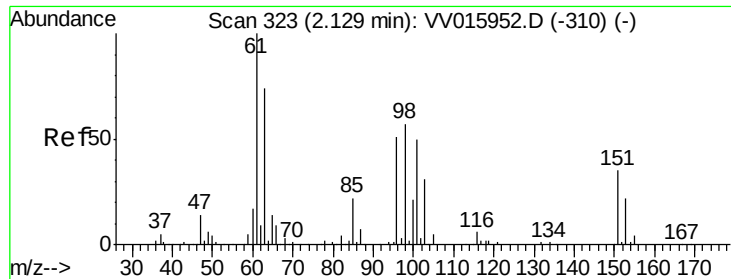
103 63.3 51.4 77.2



Abundance Ion 101.00 (100.70 to 101.70): VV015952.D (-198) (-)

Ion 103.00 (102.70 to 103.70): VV015952.D (-198) (-)





#10

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

Concen: 5.217 ug/L

RT: 2.13 min Scan# 323

Delta R.T. 0.00 min

Lab File: VV015980.D

Acq: 11 May 2020 11:04

Instrument :

MSVOA_V

ClientSampled :

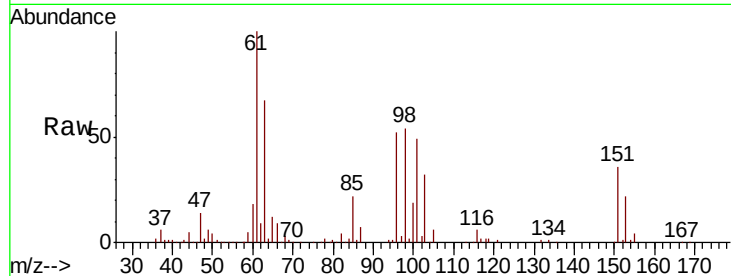
Tot Ion:101 Resp: 44253

Ion Ratio Lower Upper

101 100

85 46.0 35.7 53.5

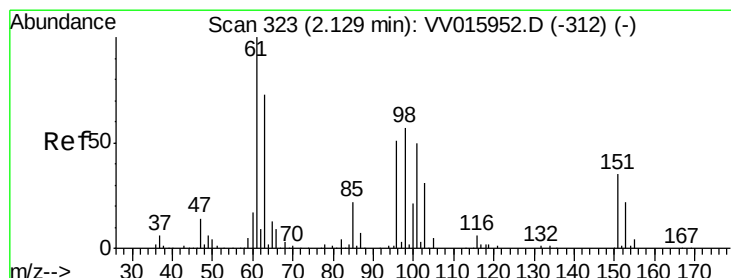
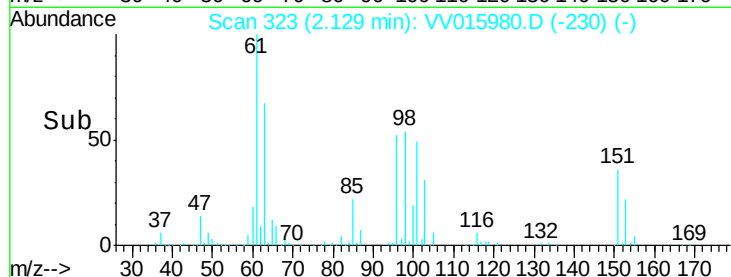
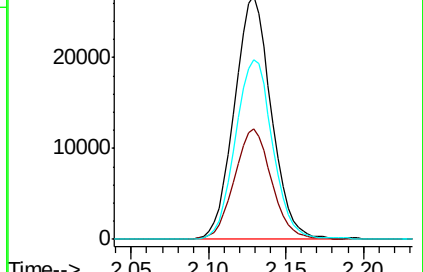
151 75.1 58.0 87.0



Abundance Ion 101.00 (100.70 to 101.70): VV015952.D (-310) (-)

Ion 85.00 (84.70 to 85.70): VV015952.D (-310) (-)

Ion 151.00 (150.70 to 151.70): VV015952.D (-310) (-)



#12

1,1-Dichloroethene

Concen: 5.248 ug/L

RT: 2.13 min Scan# 323

Delta R.T. 0.00 min

Lab File: VV015980.D

Acq: 11 May 2020 11:04

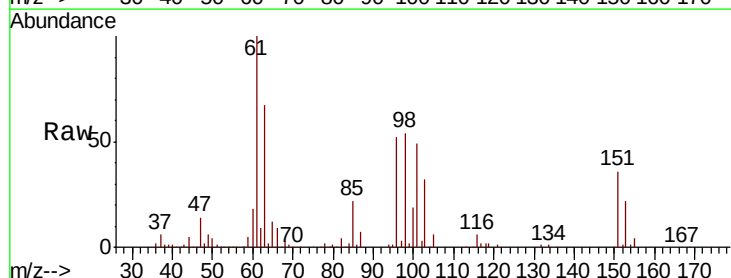
Tgt Ion: 96 Resp: 42620

Ion Ratio Lower Upper

96 100

61 190.5 139.9 259.7

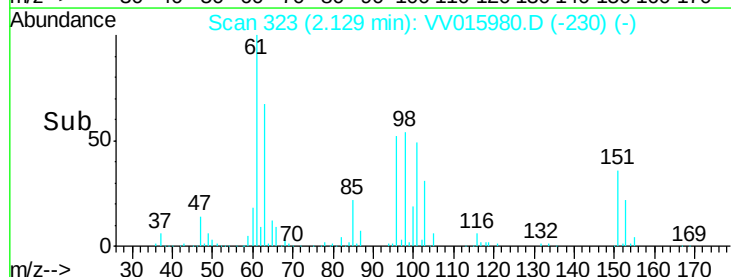
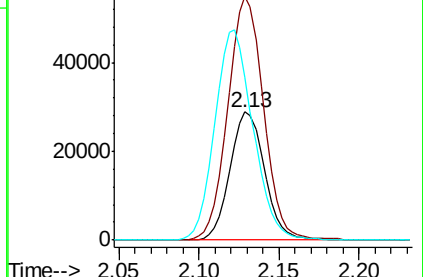
63 127.4 106.4 197.6

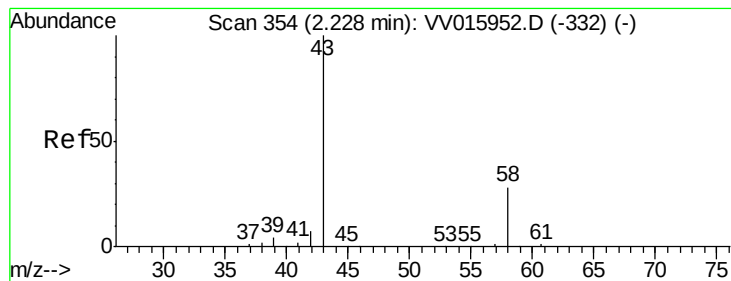


Abundance Ion 96.00 (95.70 to 96.70): VV015952.D (-312) (-)

Ion 61.05 (60.75 to 61.75): VV015952.D (-312) (-)

Ion 63.00 (62.70 to 63.70): VV015952.D (-312) (-)





#13

Acetone

Concen: 48.979 ug/L

RT: 2.23 min Scan# 353

Delta R.T. -0.00 min

Lab File: VV015980.D

Acq: 11 May 2020 11:04

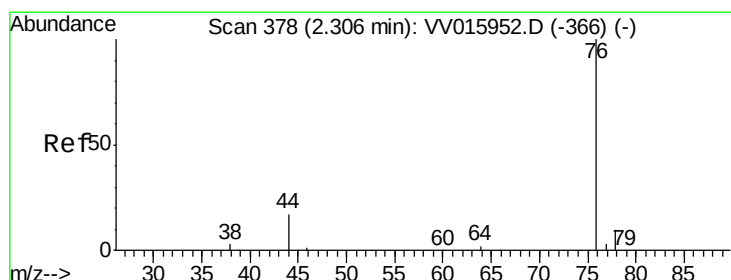
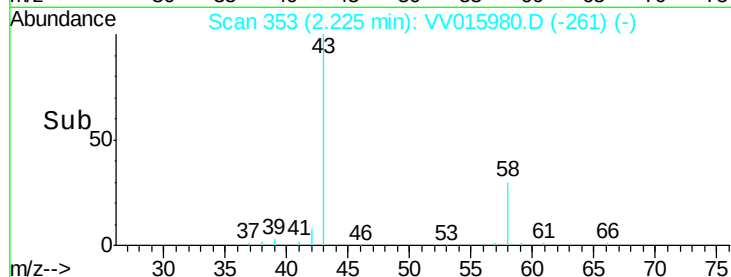
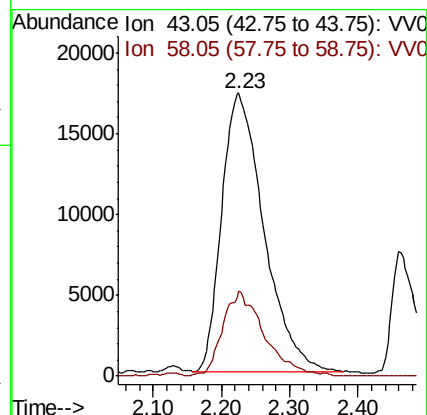
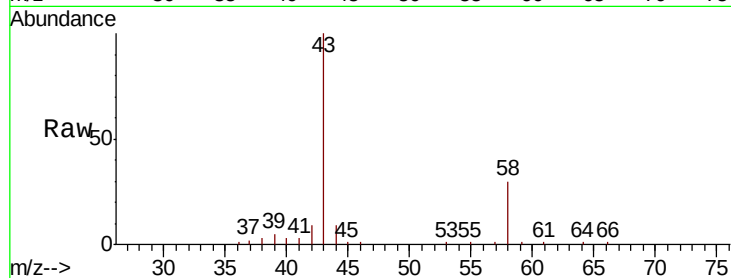
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 43 Resp: 73784

Ion Ratio Lower Upper

43 100

58 30.1 0.0 30.8



#14

Carbon disulfide

Concen: 5.234 ug/L

RT: 2.31 min Scan# 378

Delta R.T. 0.00 min

Lab File: VV015980.D

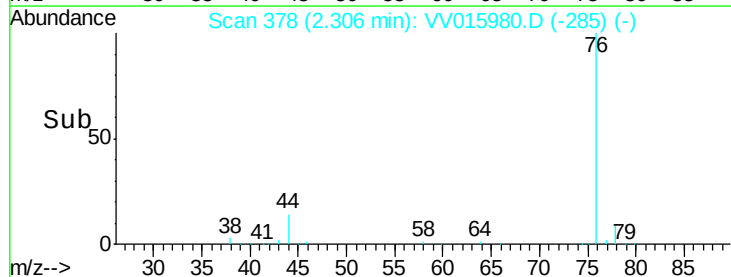
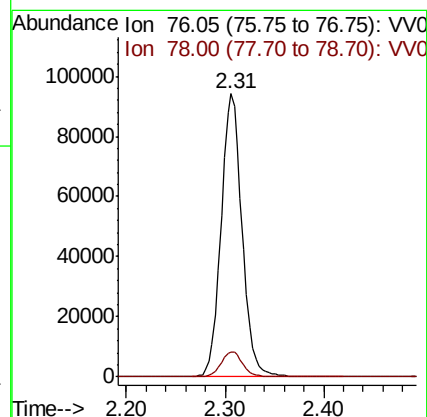
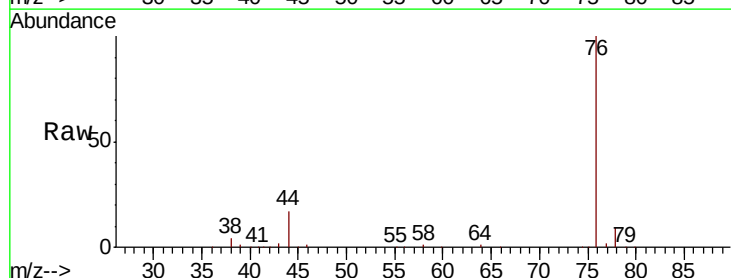
Acq: 11 May 2020 11:04

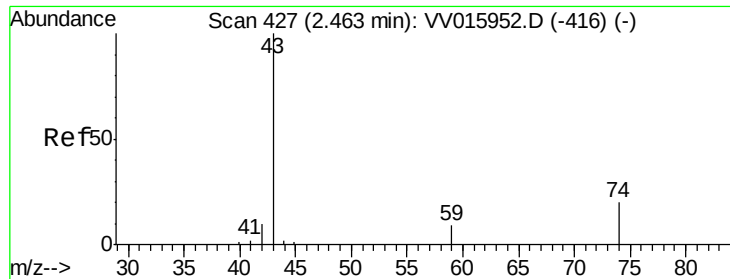
Tgt Ion: 76 Resp: 140326

Ion Ratio Lower Upper

76 100

78 8.9 7.0 10.6

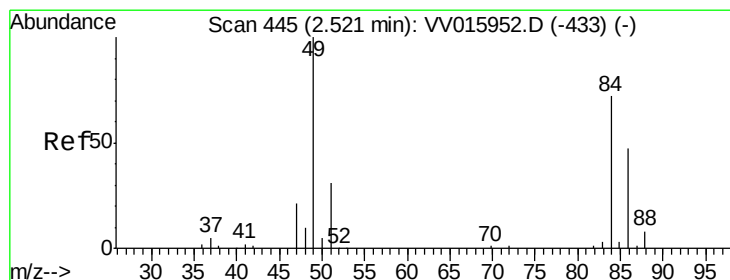
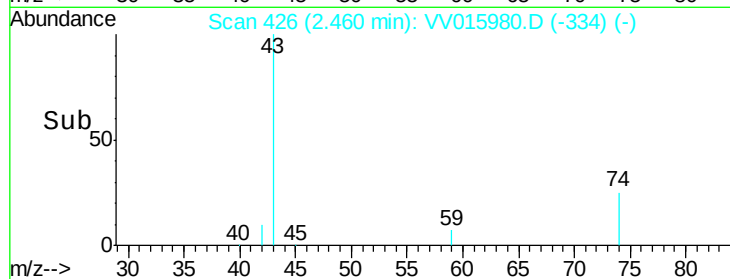
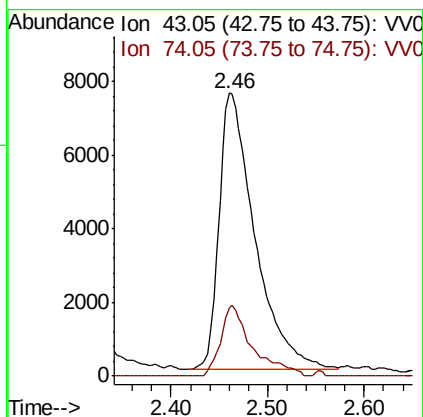
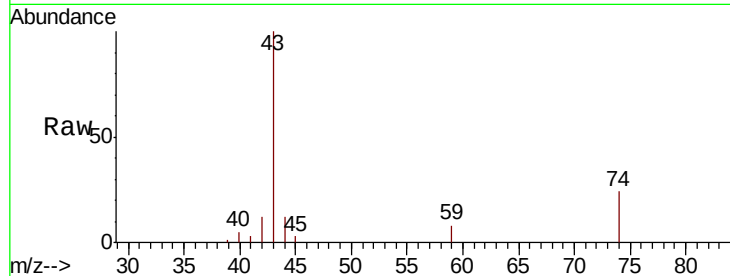




#15
Methvl Acetate
Concen: 5.554 ug/L
RT: 2.46 min Scan# 426
Delta R.T. -0.00 min
Lab File: VV015980.D
Acq: 11 May 2020 11:04

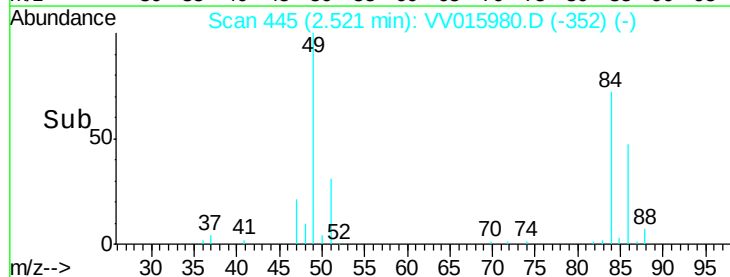
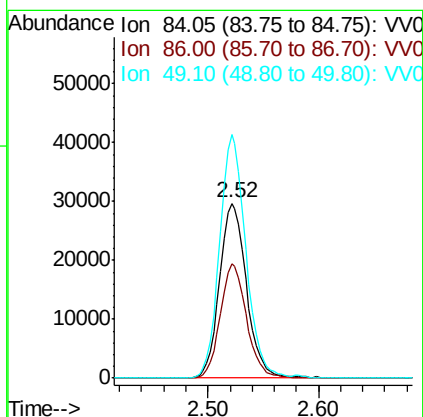
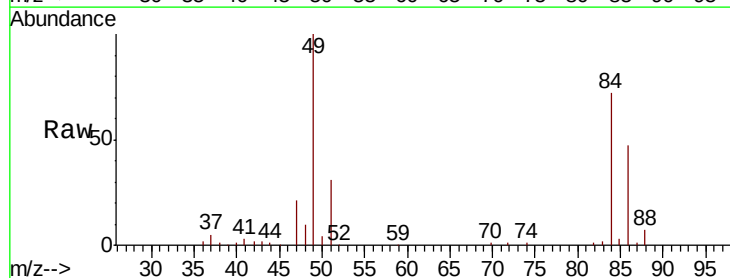
Instrument :
MSVOA_V
ClientSampleId :

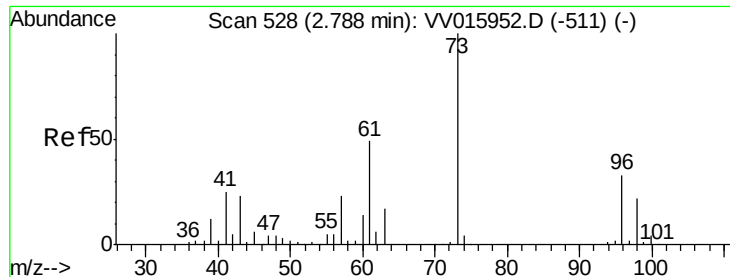
Tot Ion: 43 Resp: 19335
Ion Ratio Lower Upper
43 100
74 22.4 19.2 28.8



#16
Methylene chloride
Concen: 5.192 ug/L
RT: 2.52 min Scan# 445
Delta R.T. 0.00 min
Lab File: VV015980.D
Acq: 11 May 2020 11:04

Tgt Ion: 84 Resp: 50450
Ion Ratio Lower Upper
84 100
86 65.2 45.6 84.8
49 139.3 93.6 173.8

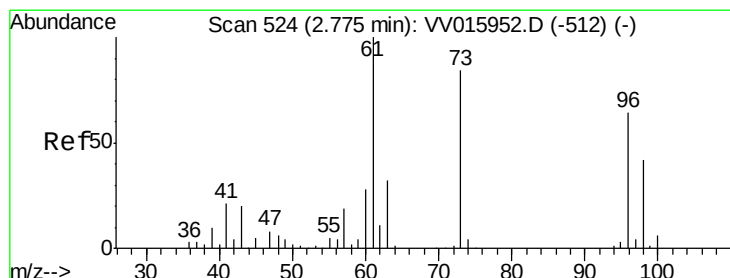
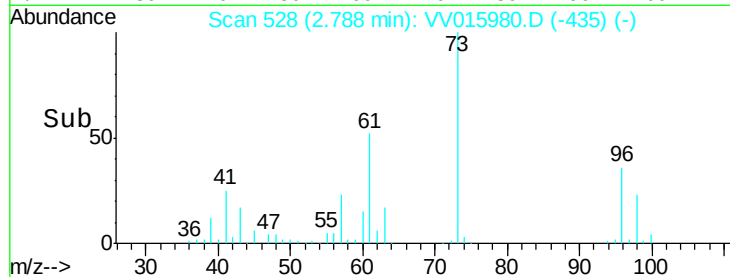
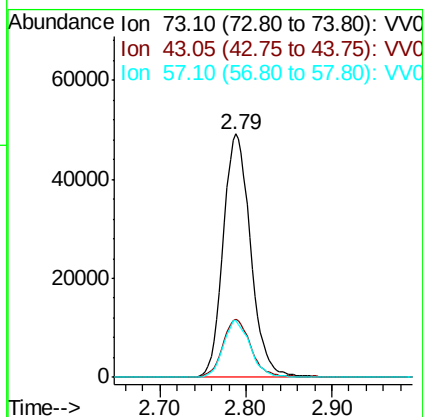
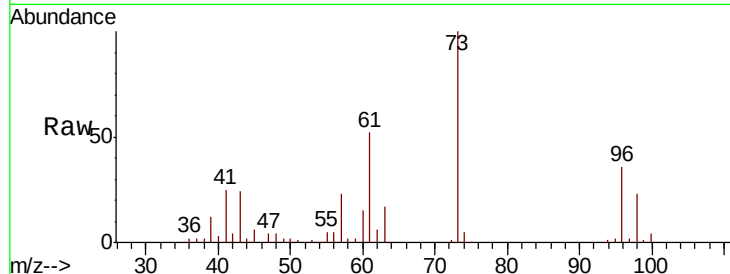




#17
Methvl tert-butyl Ether
Concen: 5.166 ug/L
RT: 2.79 min Scan# 528
Delta R.T. 0.00 min
Lab File: VV015980.D
Acq: 11 May 2020 11:04

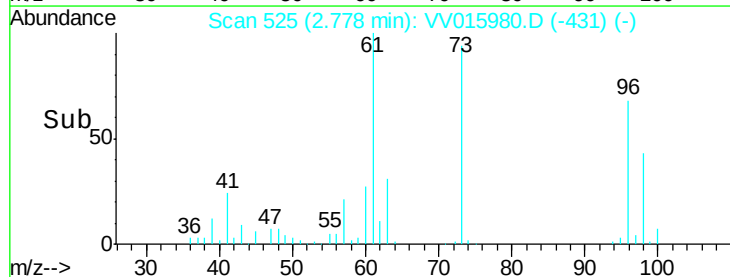
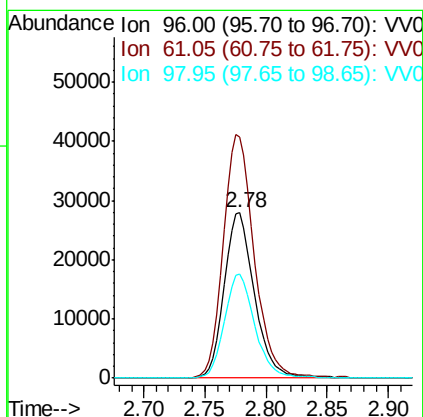
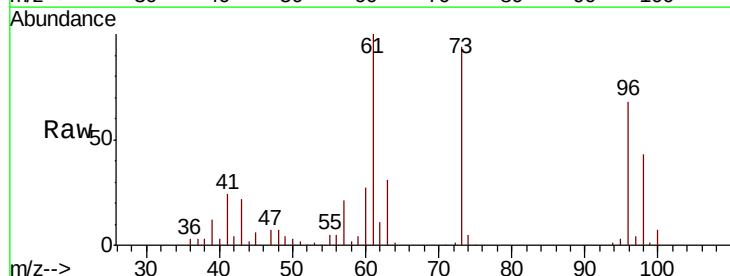
Instrument :
MSVOA_V
ClientSampleId :

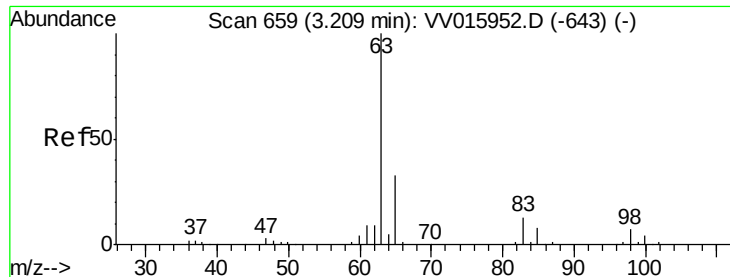
Tot Ion: 73 Resp: 109015
Ion Ratio Lower Upper
73 100
43 23.7 18.8 28.2
57 22.9 17.8 26.6



#18
trans-1,2-Dichloroethene
Concen: 5.430 ug/L
RT: 2.78 min Scan# 525
Delta R.T. 0.00 min
Lab File: VV015980.D
Acq: 11 May 2020 11:04

Tgt Ion: 96 Resp: 48730
Ion Ratio Lower Upper
96 100
61 146.4 105.3 195.5
98 63.3 44.0 81.6





#19

1,1-Dichloroethane

Concen: 5.339 ug/L

RT: 3.21 min Scan# 659

Delta R.T. 0.00 min

Lab File: VV015980.D

Acq: 11 May 2020 11:04

Instrument :

MSVOA_V

ClientSampled :

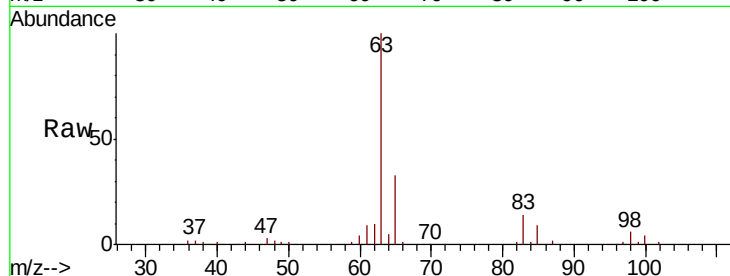
Tot Ion: 63 Resp: 92294

Ion Ratio Lower Upper

63 100

65 32.8 22.0 41.0

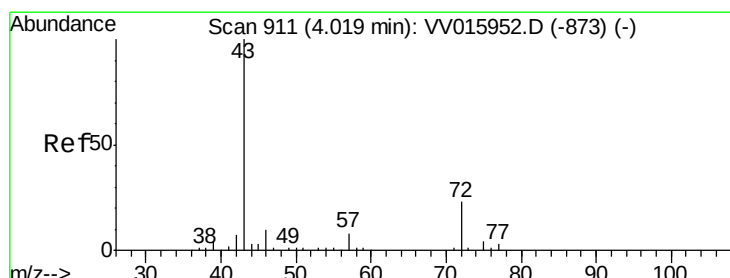
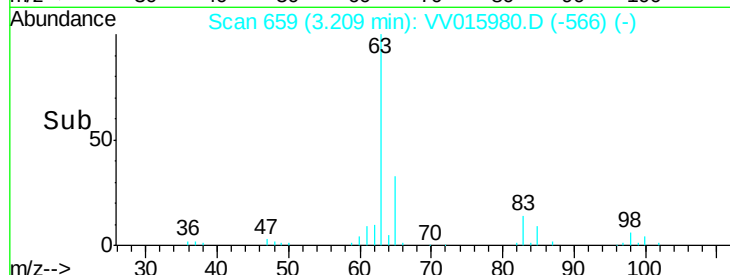
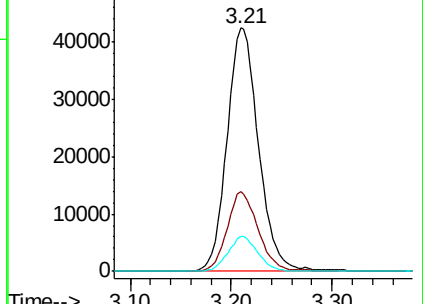
83 14.3 9.8 18.2



Abundance Ion 63.10 (62.80 to 63.80): VV015980.D (-566) (-)

Ion 65.10 (64.80 to 65.80): VV015980.D (-566) (-)

Ion 83.05 (82.75 to 83.75): VV015980.D (-566) (-)



#21

2-Butanone

Concen: 48.116 ug/L

RT: 4.02 min Scan# 911

Delta R.T. 0.00 min

Lab File: VV015980.D

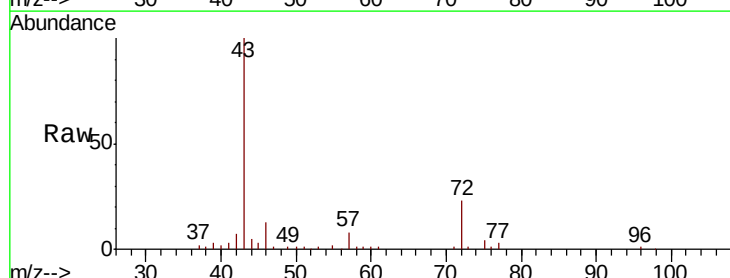
Acq: 11 May 2020 11:04

Tgt Ion: 43 Resp: 110389

Ion Ratio Lower Upper

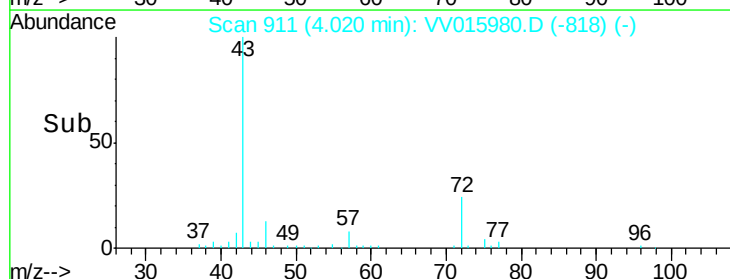
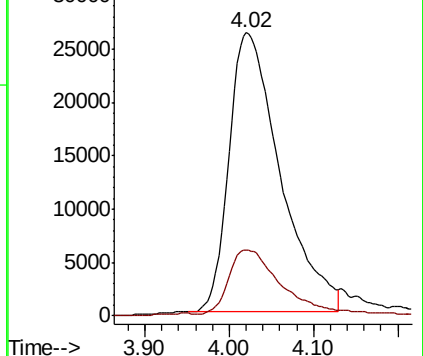
43 100

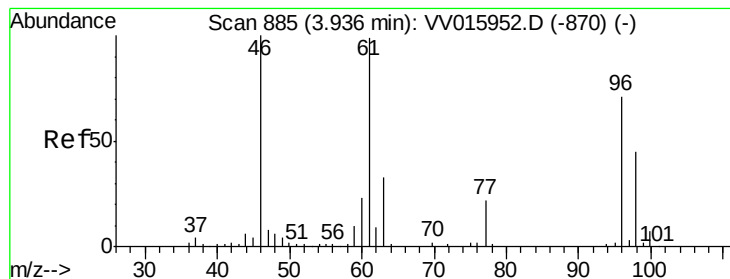
72 24.0 10.5 31.5



Abundance Ion 43.00 (42.70 to 43.70): VV015980.D (-818) (-)

Ion 72.00 (71.70 to 72.70): VV015980.D (-818) (-)





#22

cis-1,2-Dichloroethene

Concen: 5.351 ug/L

RT: 3.94 min Scan# 885

Delta R.T. 0.00 min

Lab File: VV015980.D

Acq: 11 May 2020 11:04

Instrument :
MSVOA_V
ClientSampled :

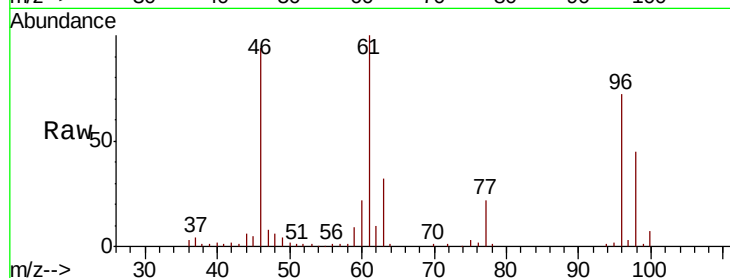
Tot Ion: 96 Resp: 50274

Ion Ratio Lower Upper

96 100

61 138.7 97.2 180.6

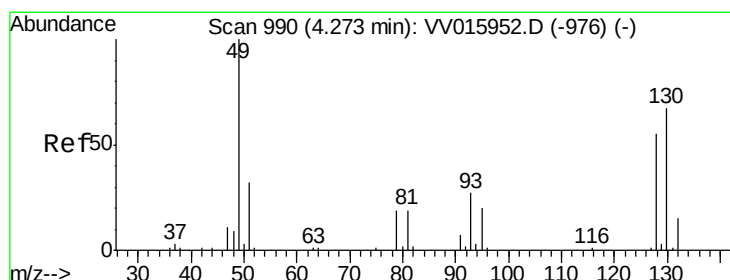
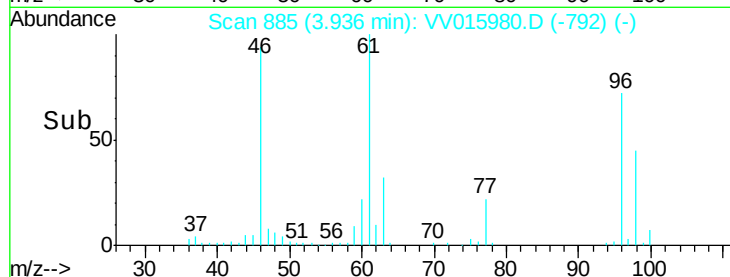
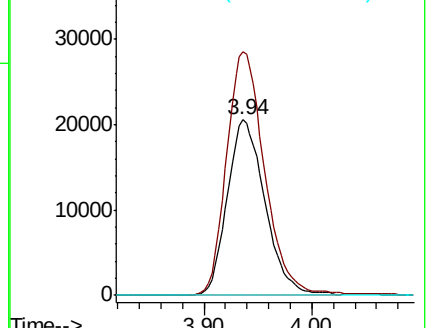
68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VV015980.D (-792) (-)

Ion 61.05 (60.75 to 61.75): VV015980.D (-792) (-)

Ion 68.15 (67.85 to 68.85): VV015980.D (-792) (-)



#23

Bromochloromethane

Concen: 5.261 ug/L

RT: 4.27 min Scan# 990

Delta R.T. 0.00 min

Lab File: VV015980.D

Acq: 11 May 2020 11:04

Tgt Ion: 128 Resp: 21095

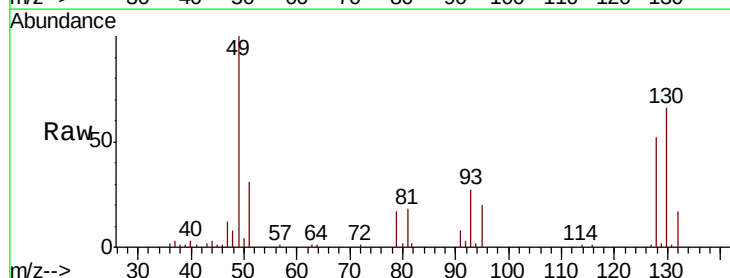
Ion Ratio Lower Upper

128 100

49 191.6 131.3 243.8

130 126.2 91.8 170.4

51 59.1 48.8 73.2

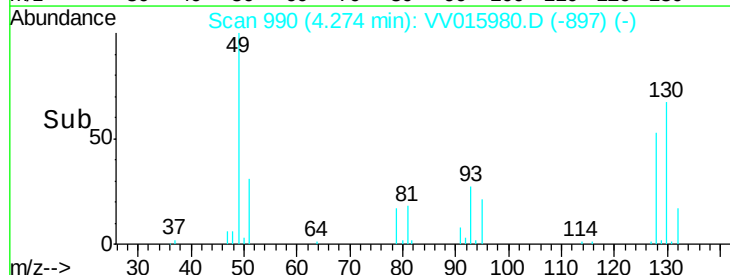
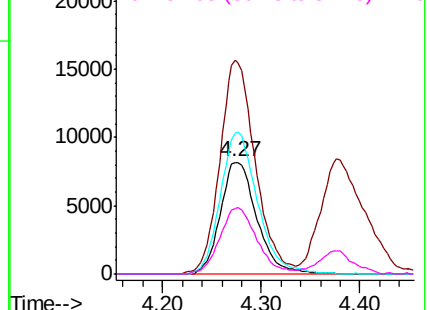


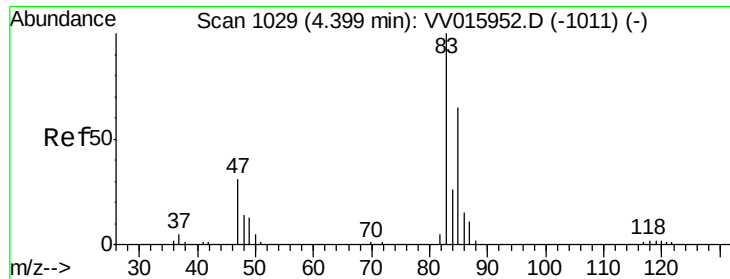
Abundance Ion 127.90 (127.60 to 128.60): VV015980.D (-897) (-)

Ion 49.10 (48.80 to 49.80): VV015980.D (-897) (-)

Ion 129.95 (129.65 to 130.65): VV015980.D (-897) (-)

Ion 51.05 (50.75 to 51.75): VV015980.D (-897) (-)

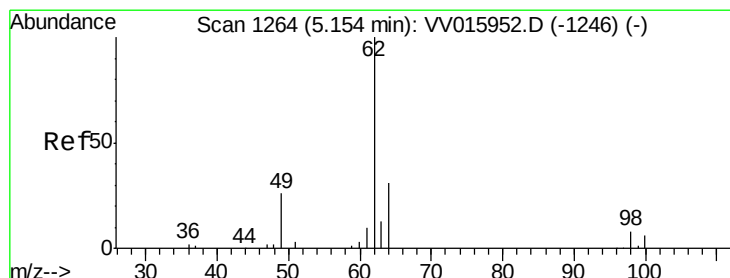
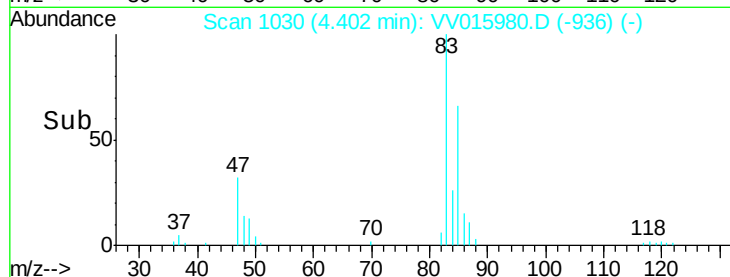
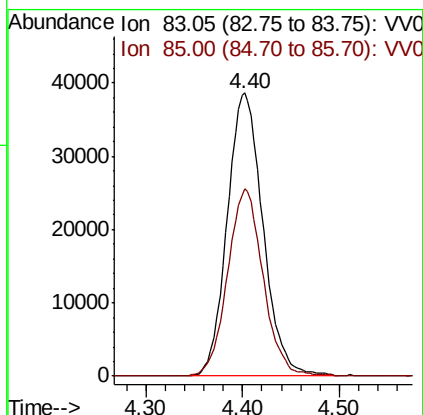
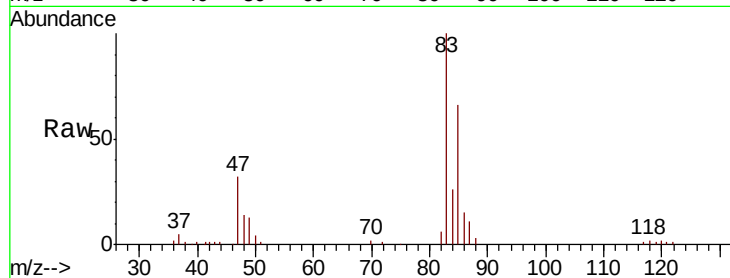




#25
Chloroform
Concen: 5.217 ug/L
RT: 4.40 min Scan# 1030
Delta R.T. 0.00 min
Lab File: VV015980.D
Acq: 11 May 2020 11:04

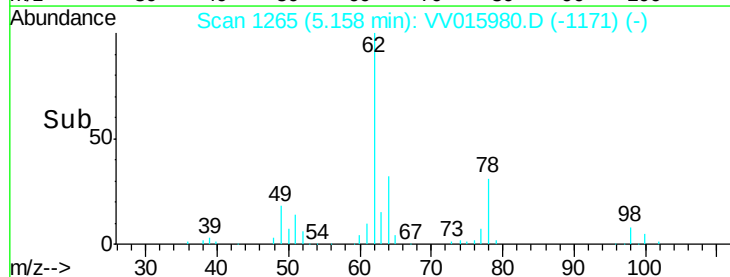
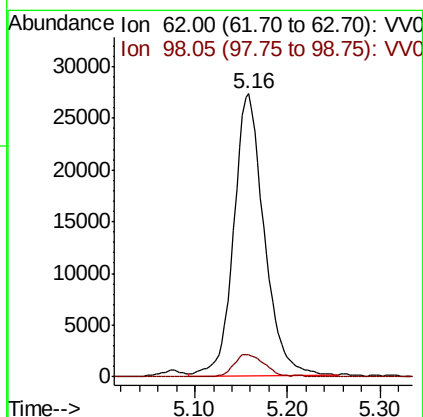
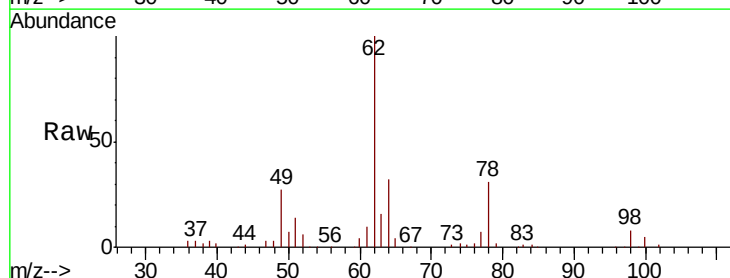
Instrument :
MSVOA_V
ClientSampleId :

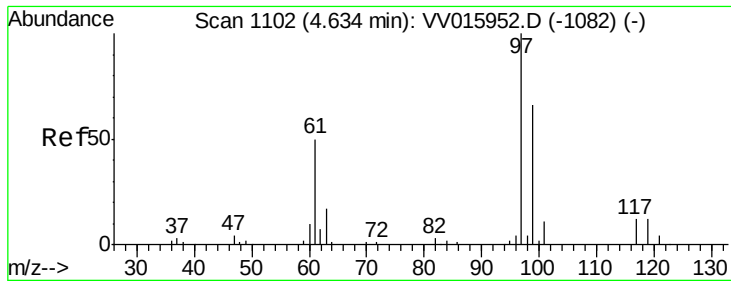
Tot Ion: 83 Resp: 99318
Ion Ratio Lower Upper
83 100
85 66.0 45.7 84.9



#27
1,2-Dichloroethane
Concen: 5.291 ug/L
RT: 5.16 min Scan# 1265
Delta R.T. 0.00 min
Lab File: VV015980.D
Acq: 11 May 2020 11:04

Tgt Ion: 62 Resp: 61884
Ion Ratio Lower Upper
62 100
98 7.8 6.7 10.1

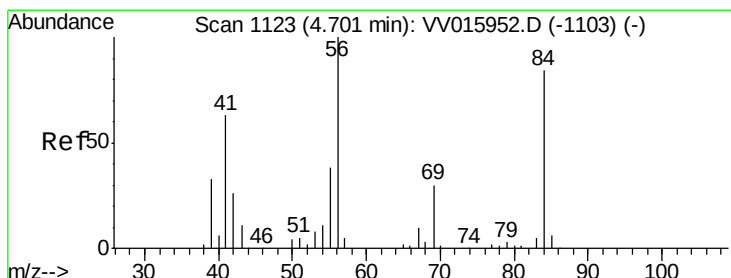
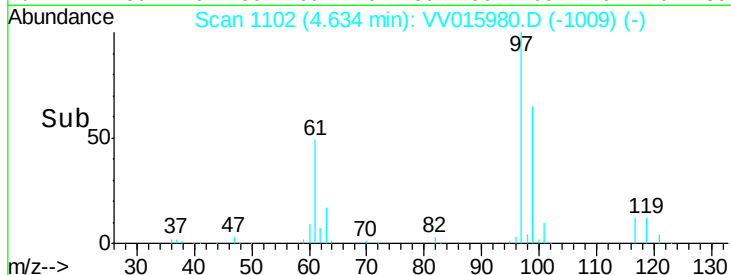
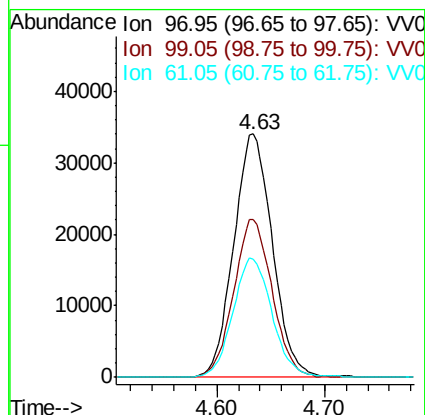
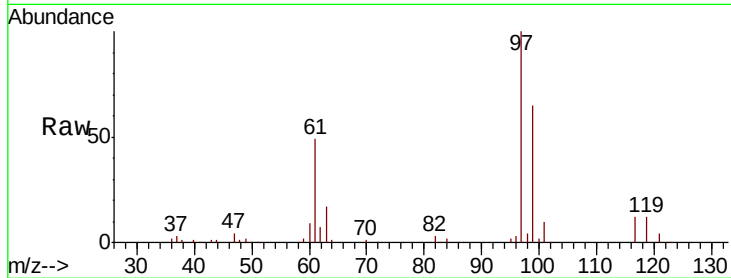




#29
 1,1,1-Trichloroethane
 Concen: 5.394 ug/L
 RT: 4.63 min Scan# 1102
 Delta R.T. 0.00 min
 Lab File: VV015980.D
 Acq: 11 May 2020 11:04

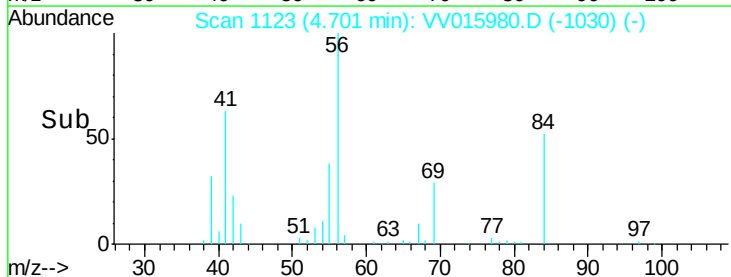
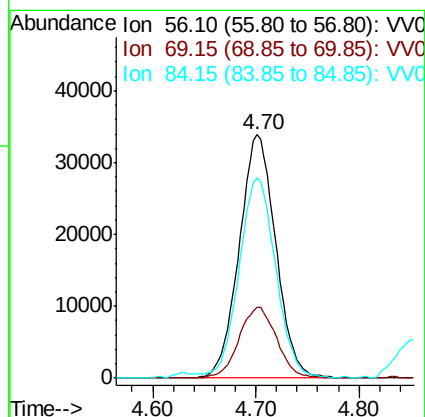
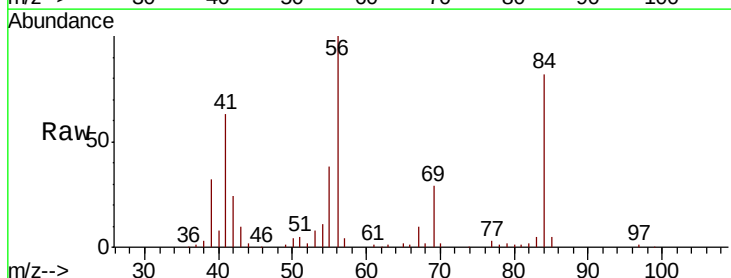
Instrument :
 MSVOA_V
 ClientSampled :

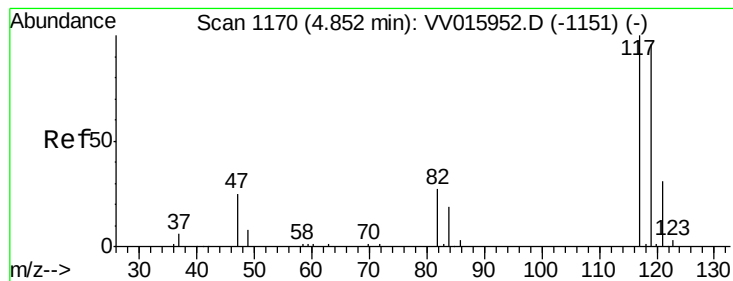
Tot Ion: 97 Resp: 85150
 Ion Ratio Lower Upper
 97 100
 99 64.3 50.7 76.1
 61 49.5 38.8 58.2



#30
 Cyclohexane
 Concen: 5.276 ug/L
 RT: 4.70 min Scan# 1123
 Delta R.T. 0.00 min
 Lab File: VV015980.D
 Acq: 11 May 2020 11:04

Tgt Ion: 56 Resp: 83460
 Ion Ratio Lower Upper
 56 100
 69 30.1 24.2 36.2
 84 82.8 68.3 102.5





#31

Carbon tetrachloride

Concen: 5.438 ug/L

RT: 4.85 min Scan# 1170

Delta R.T. 0.00 min

Lab File: VV015980.D

Acq: 11 May 2020 11:04

Instrument :

MSVOA_V

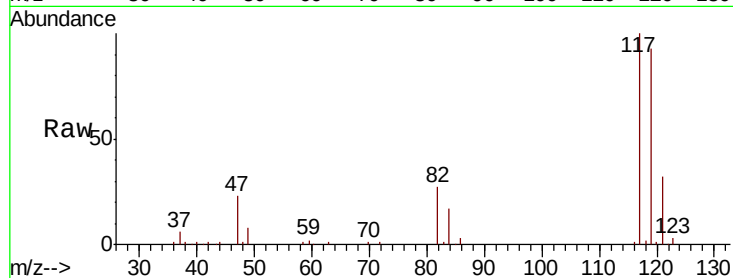
ClientSampleId :

Tot Ion:117 Resp: 74080

Ion Ratio Lower Upper

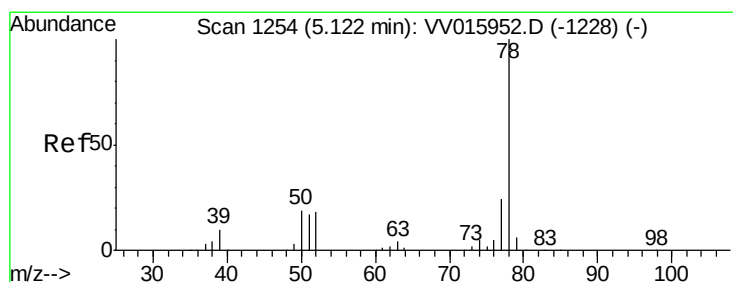
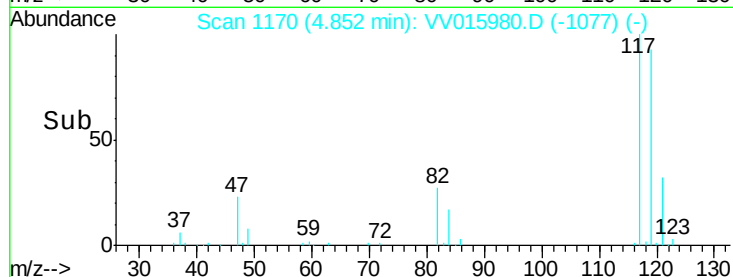
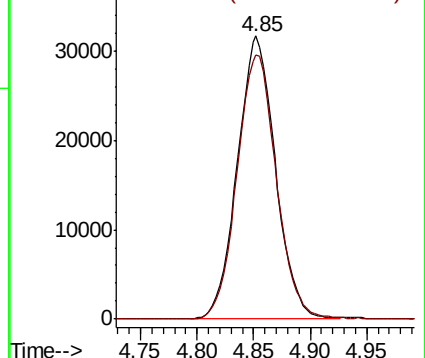
117 100

119 96.5 77.3 115.9



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V



#33

Benzene

Concen: 5.475 ug/L

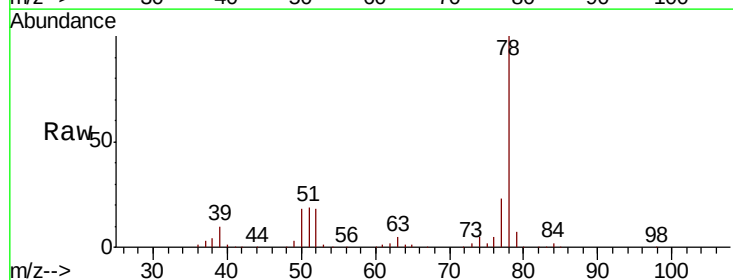
RT: 5.12 min Scan# 1254

Delta R.T. 0.00 min

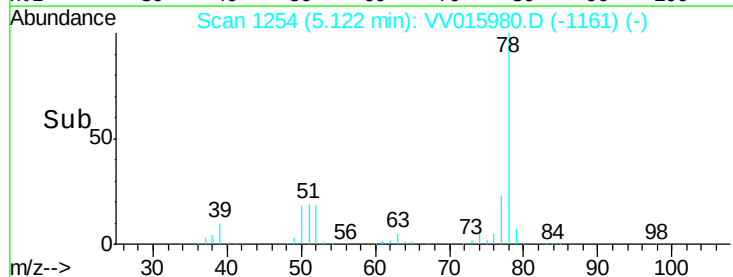
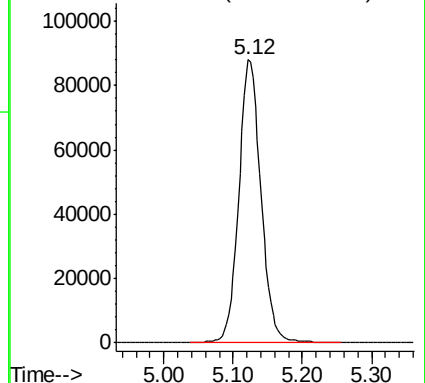
Lab File: VV015980.D

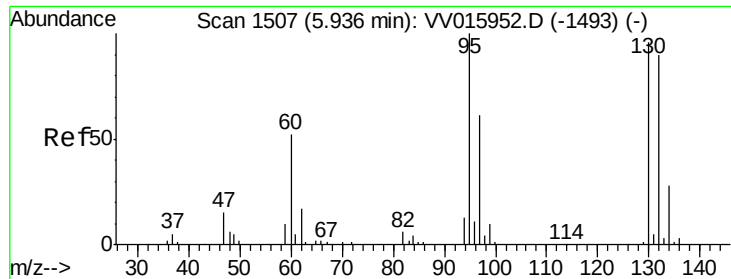
Acq: 11 May 2020 11:04

Tgt Ion: 78 Resp: 197172



Abundance Ion 78.10 (77.80 to 78.80): VV0

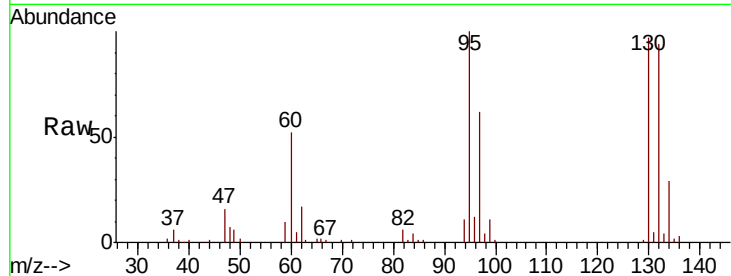




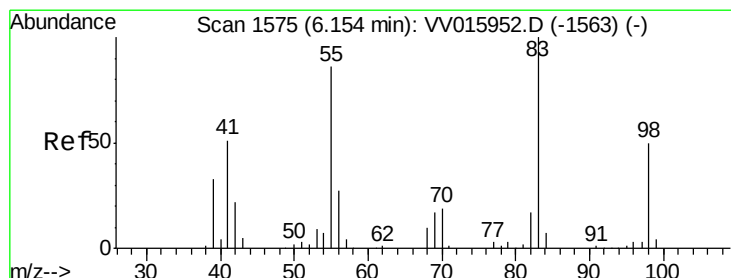
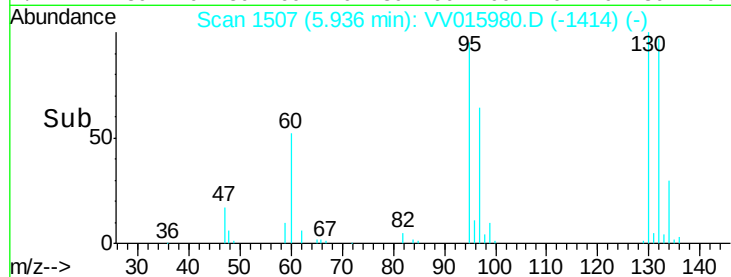
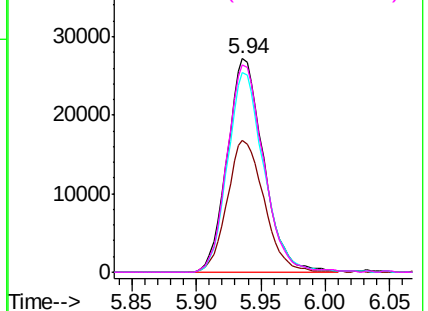
#34
 Trichloroethene
 Concen: 5.182 ug/L
 RT: 5.94 min Scan# 1507
 Delta R.T. 0.00 min
 Lab File: VV015980.D
 Acq: 11 May 2020 11:04

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion: 95 Resp: 53268
 Ion Ratio Lower Upper
 95 100
 97 61.6 43.3 80.5
 132 93.5 60.3 112.1
 130 96.9 66.0 122.6

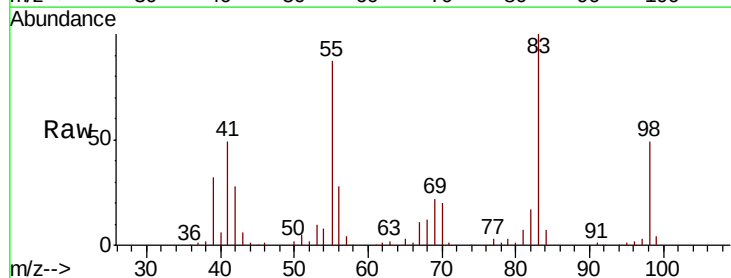


Abundance Ion 95.00 (94.70 to 95.70): VV0
 Ion 96.95 (96.65 to 97.65): VV0
 Ion 131.95 (131.65 to 132.65): VV0
 Ion 129.95 (129.65 to 130.65): VV0

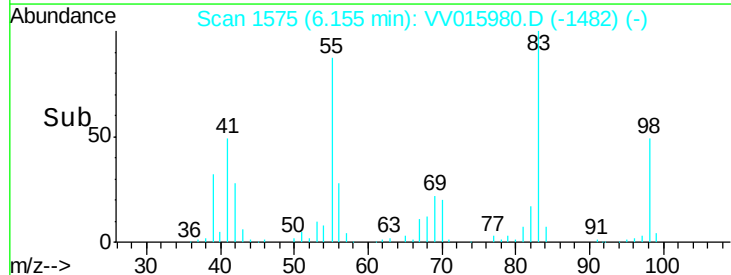
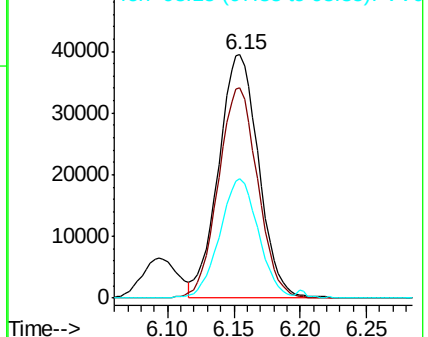


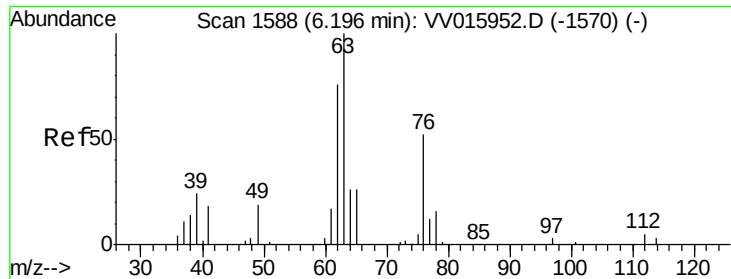
#35
 Methylcyclohexane
 Concen: 5.330 ug/L
 RT: 6.15 min Scan# 1575
 Delta R.T. 0.00 min
 Lab File: VV015980.D
 Acq: 11 May 2020 11:04

Tgt Ion: 83 Resp: 82871
 Ion Ratio Lower Upper
 83 100
 55 85.1 66.2 99.2
 98 47.3 37.9 56.9



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

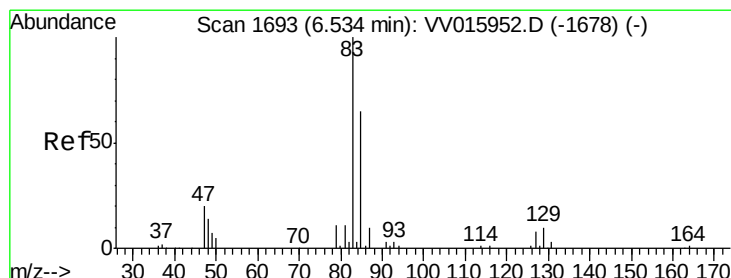
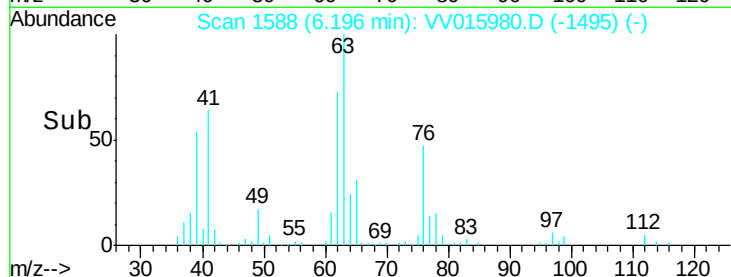
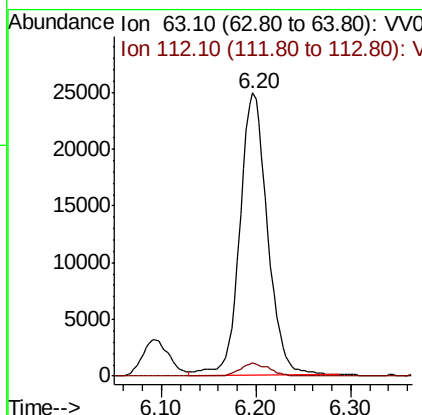
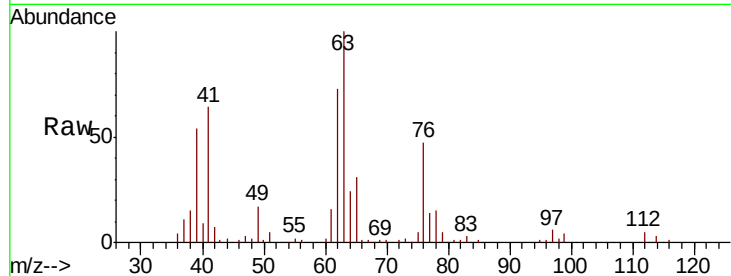




#37
 1,2-Dichloropropane
 Concen: 5.496 ug/L
 RT: 6.20 min Scan# 1588
 Delta R.T. 0.00 min
 Lab File: VV015980.D
 Acq: 11 May 2020 11:04

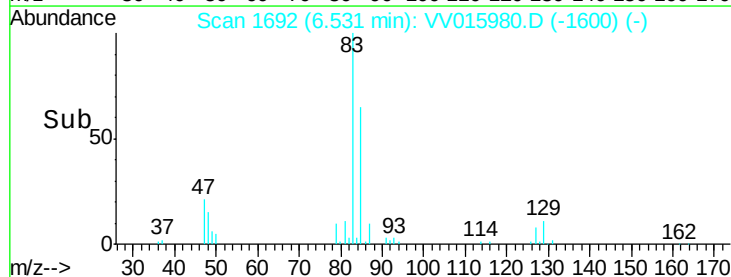
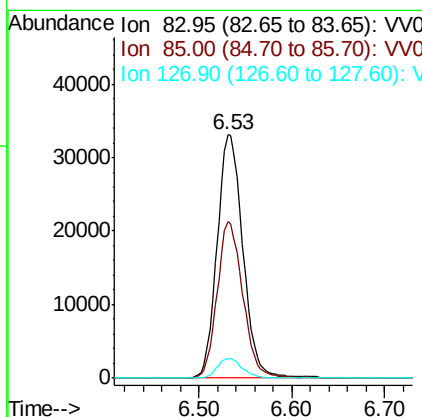
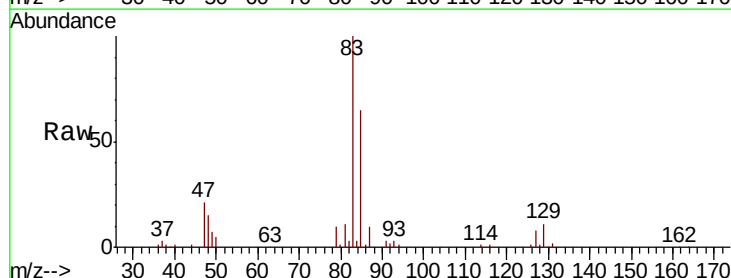
Instrument :
 MSVOA_V
 ClientSampled :

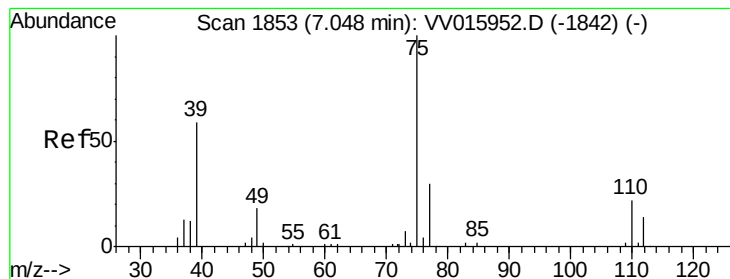
Tot Ion: 63 Resp: 50287
 Ion Ratio Lower Upper
 63 100
 112 4.8 3.4 5.0



#38
 Bromodichloromethane
 Concen: 5.505 ug/L
 RT: 6.53 min Scan# 1692
 Delta R.T. -0.00 min
 Lab File: VV015980.D
 Acq: 11 May 2020 11:04

Tgt Ion: 83 Resp: 63963
 Ion Ratio Lower Upper
 83 100
 85 64.5 45.5 84.5
 127 7.8 6.2 9.4



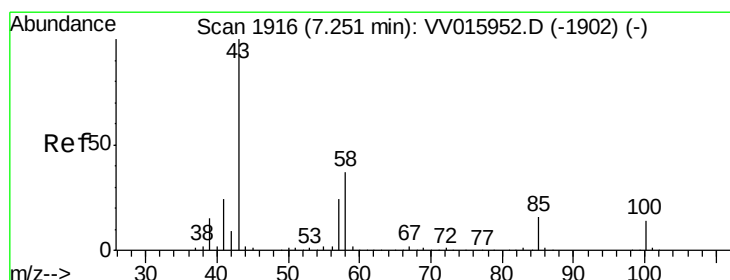
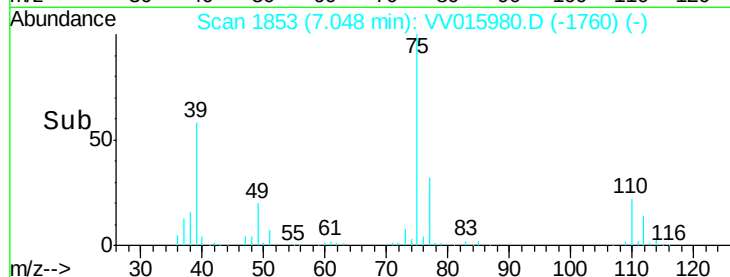
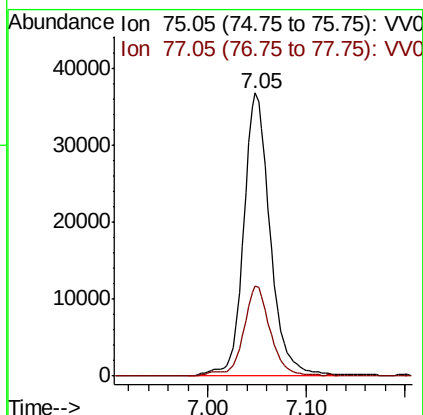
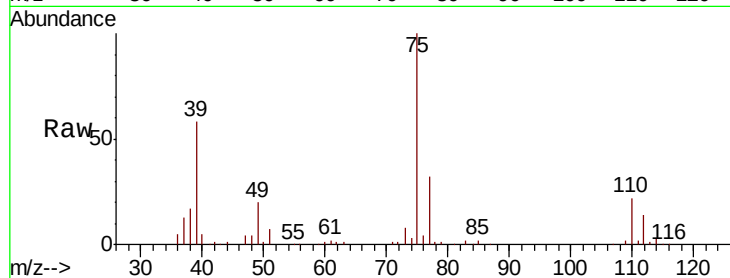


#39

cis-1,3-Dichloropropene
 Concen: 5.271 ug/L
 RT: 7.05 min Scan# 1853
 Delta R.T. 0.00 min
 Lab File: VV015980.D
 Acq: 11 May 2020 11:04

Instrument :
 MSVOA_V
 ClientSampleId :

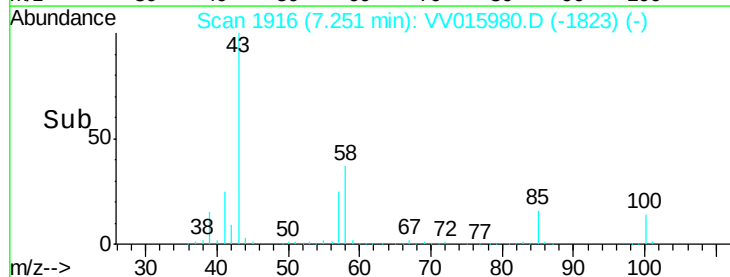
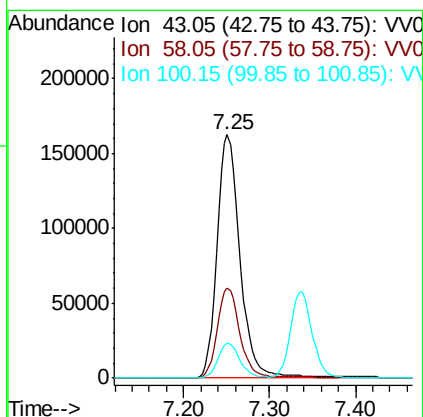
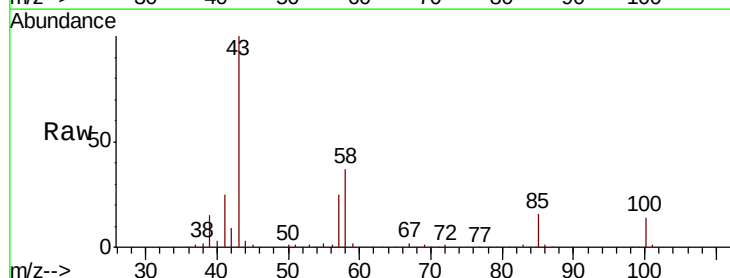
Tot Ion: 75 Resp: 68167
 Ion Ratio Lower Upper
 75 100
 77 32.1 21.3 39.5

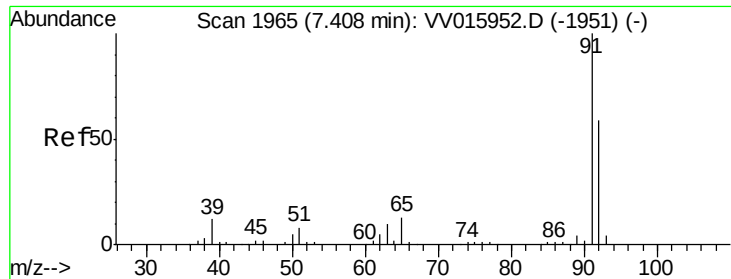


#40

4-Methyl-2-pentanone
 Concen: 53.276 ug/L
 RT: 7.25 min Scan# 1916
 Delta R.T. 0.00 min
 Lab File: VV015980.D
 Acq: 11 May 2020 11:04

Tgt Ion: 43 Resp: 303818
 Ion Ratio Lower Upper
 43 100
 58 36.2 29.0 43.4
 100 13.8 10.9 16.3





#42

Toluene

Concen: 5.490 ug/L

RT: 7.41 min Scan# 1965

Delta R.T. 0.00 min

Lab File: VV015980.D

Acq: 11 May 2020 11:04

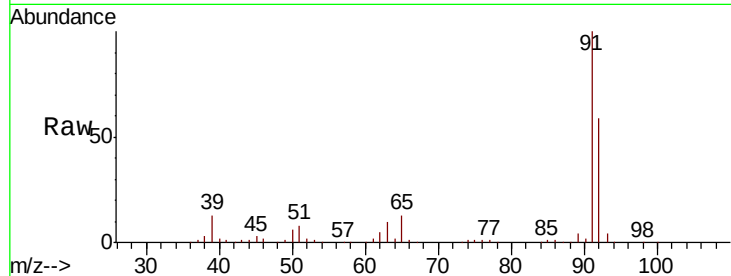
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 91 Resp: 209575

Ion Ratio Lower Upper

91 100

92 59.1 40.1 74.5



Abundance Ion 91.15 (90.85 to 91.85): VV015952.D (-1951) (-)

Ion 92.15 (91.85 to 92.85): VV015952.D (-1951) (-)

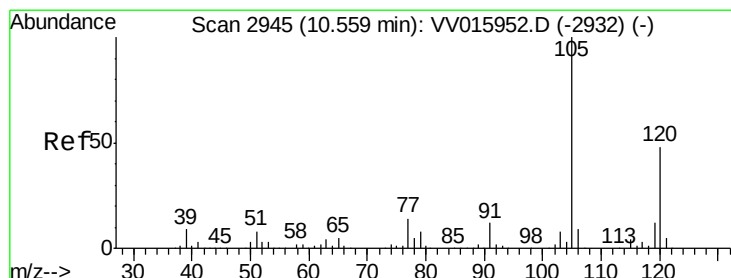
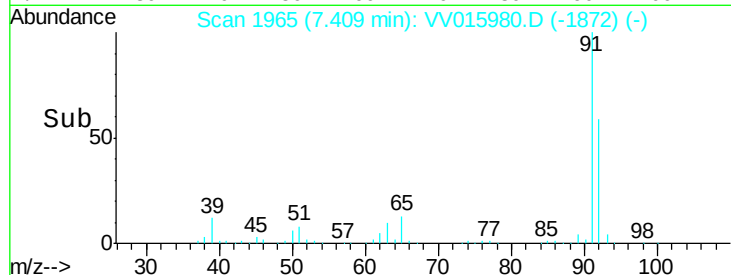
7.41

100000

50000

0

Time-->



#43

1,3,5-Trimethylbenzene

Concen: 5.513 ug/L

RT: 10.56 min Scan# 2945

Delta R.T. 0.00 min

Lab File: VV015980.D

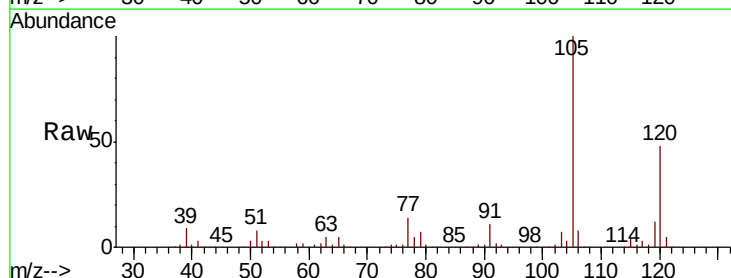
Acq: 11 May 2020 11:04

Tgt Ion:105 Resp: 193188

Ion Ratio Lower Upper

105 100

120 48.0 0.0 0.0#



Abundance Ion 105.00 (104.70 to 105.70): VV015952.D (-2932) (-)

Ion 120.00 (119.70 to 120.70): VV015952.D (-2932) (-)

10.56

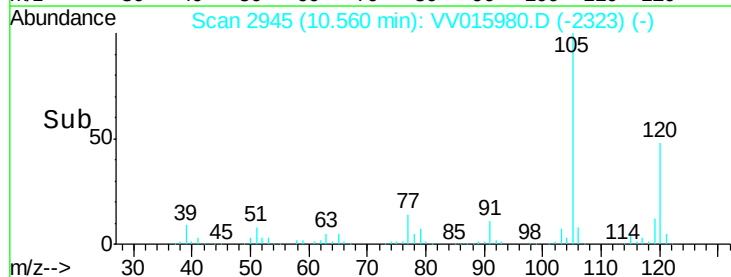
150000

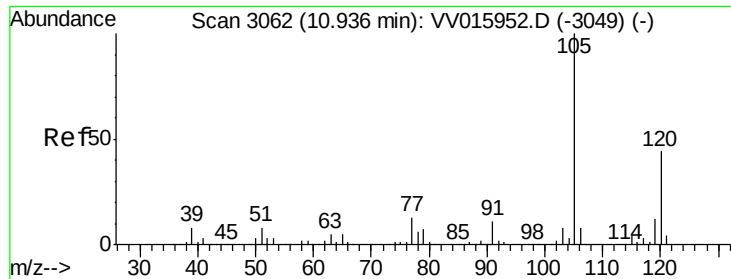
100000

50000

0

Time-->

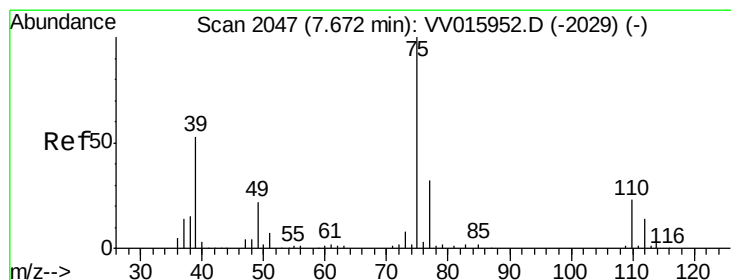
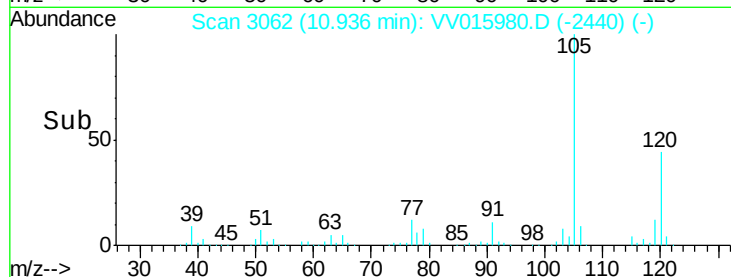
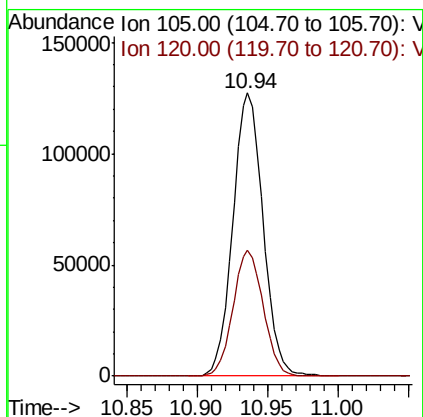
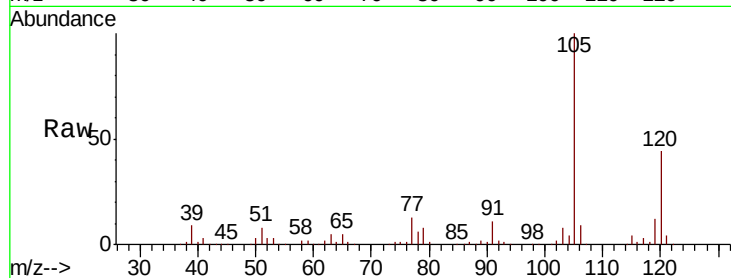




#44
 1,2,4-Trimethylbenzene
 Concen: 5.447 ug/L
 RT: 10.94 min Scan# 3062
 Delta R.T. 0.00 min
 Lab File: VV015980.D
 Acq: 11 May 2020 11:04

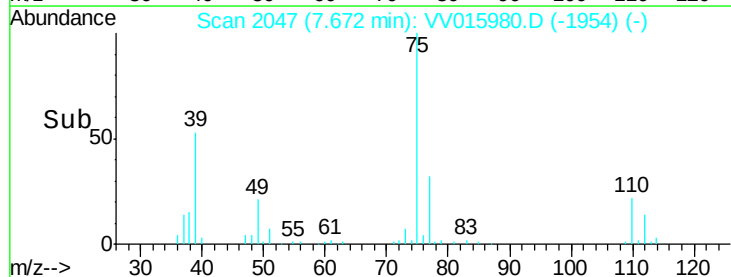
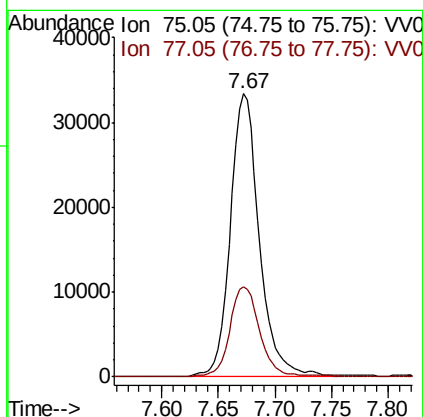
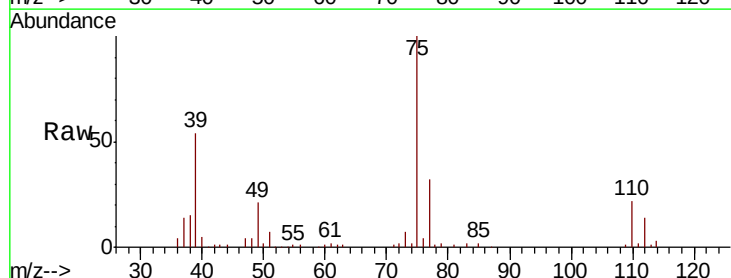
Instrument :
 MSVOA_V
 ClientSampleID :

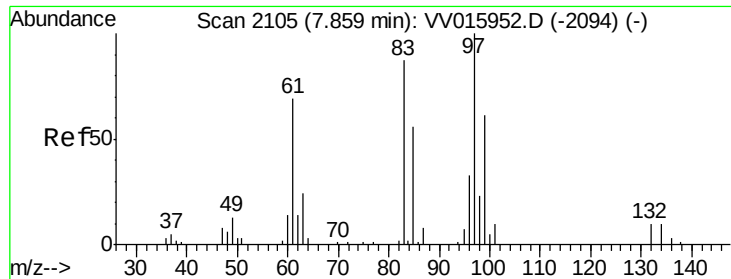
Tot Ion:105 Resp: 190744
 Ion Ratio Lower Upper
 105 100
 120 44.5 0.0 0.0#



#46
 trans-1,3-Dichloropropene
 Concen: 5.458 ug/L
 RT: 7.67 min Scan# 2047
 Delta R.T. 0.00 min
 Lab File: VV015980.D
 Acq: 11 May 2020 11:04

Tgt Ion: 75 Resp: 59622
 Ion Ratio Lower Upper
 75 100
 77 31.8 21.3 39.6

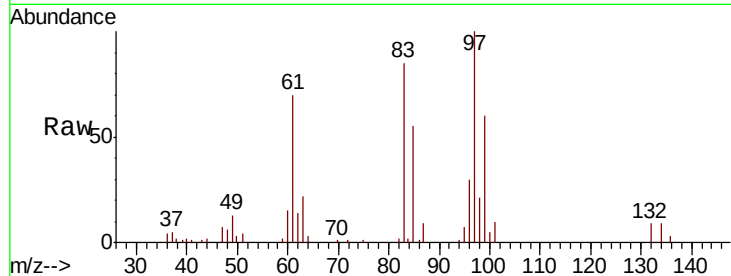




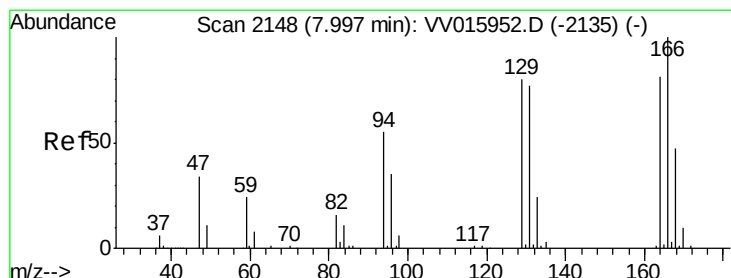
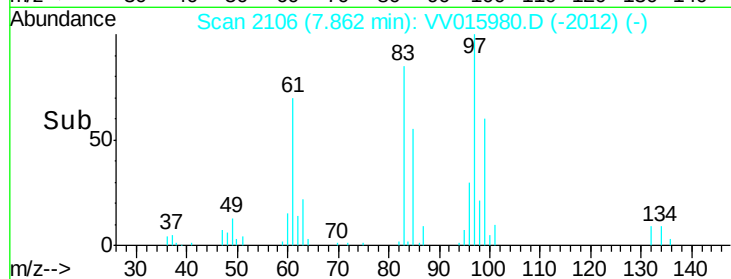
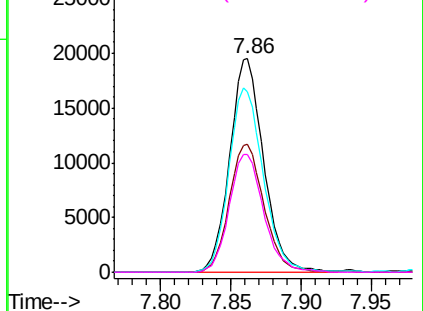
#47
 1,1,2-Trichloroethane
 Concen: 5.384 ug/L
 RT: 7.86 min Scan# 2106
 Delta R.T. 0.00 min
 Lab File: VV015980.D
 Acq: 11 May 2020 11:04

Instrument :
 MSVOA_V
 ClientSampled :

Tot Ion:	97	Resp:	32895
Ion	Ratio	Lower	Upper
97	100		
99	59.7	42.1	78.1
83	84.7	59.2	110.0
85	55.3	38.6	71.8

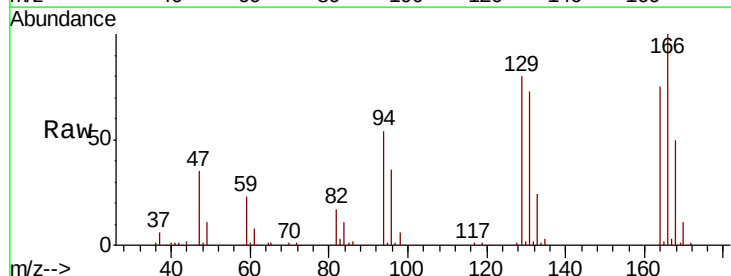


Abundance Ion 96.95 (96.65 to 97.65): VV015980.D (-2012) (-)

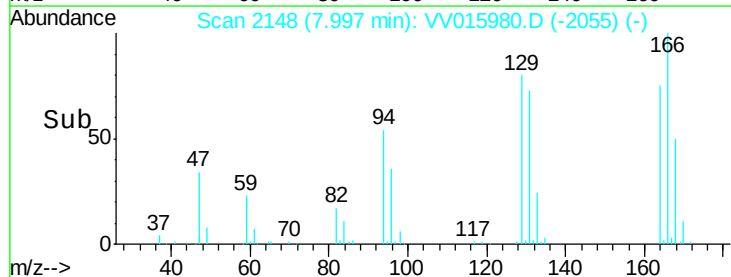
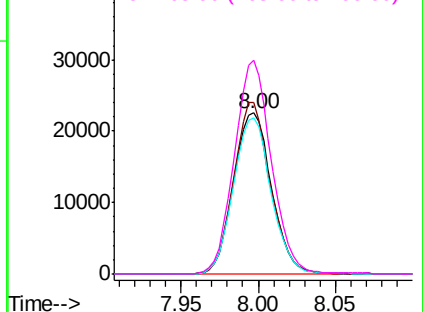


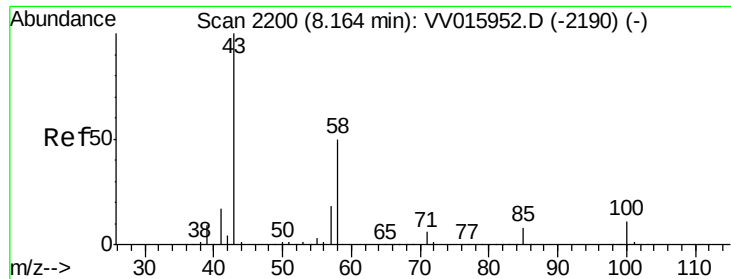
#49
 Tetrachloroethene
 Concen: 5.389 ug/L
 RT: 8.00 min Scan# 2148
 Delta R.T. 0.00 min
 Lab File: VV015980.D
 Acq: 11 May 2020 11:04

Tgt Ion:	164	Resp:	38649
Ion	Ratio	Lower	Upper
164	100		
129	106.6	69.7	129.4
131	97.3	66.8	124.2
166	132.5	89.1	165.5



Abundance Ion 163.90 (163.60 to 164.60): VV015980.D (-2055) (-)

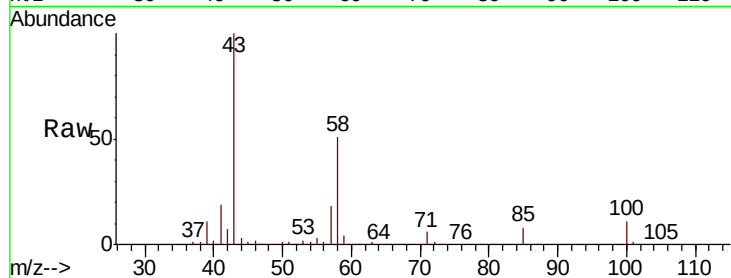




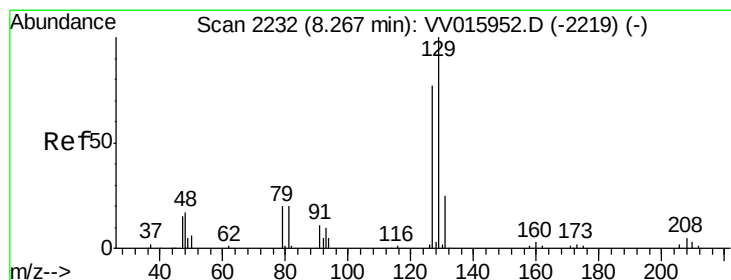
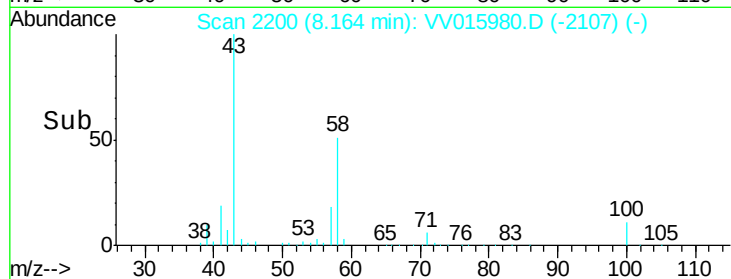
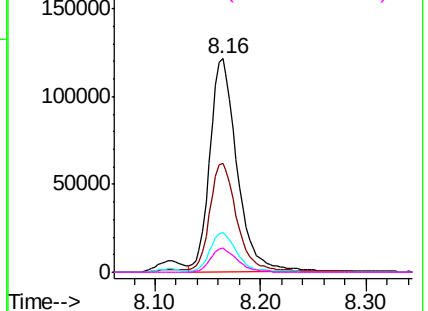
#50
2-Hexanone
Concen: 53.723 ug/L
RT: 8.16 min Scan# 2200
Delta R.T. 0.00 min
Lab File: VV015980.D
Acq: 11 May 2020 11:04

Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 43 Resp: 216654
Ion Ratio Lower Upper
43 100
58 51.3 40.8 61.2
57 18.7 14.7 22.1
100 11.4 9.0 13.6

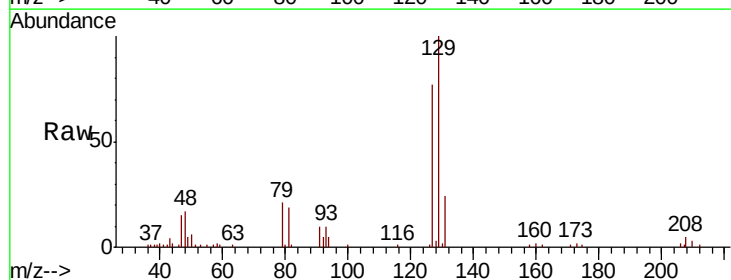


Abundance Ion 43.05 (42.75 to 43.75): VV015980.D (-2107) (-)
Ion 58.05 (57.75 to 58.75): VV015980.D (-2107) (-)
Ion 57.20 (56.90 to 57.90): VV015980.D (-2107) (-)
Ion 100.15 (99.85 to 100.85): VV015980.D (-2107) (-)

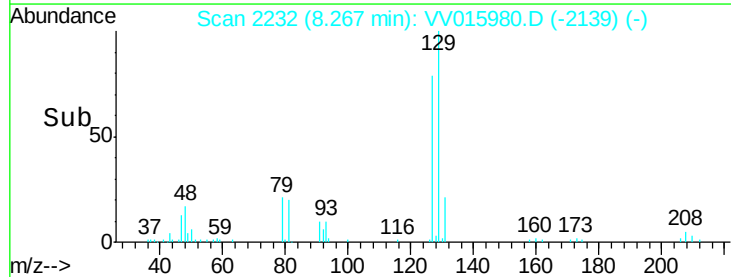
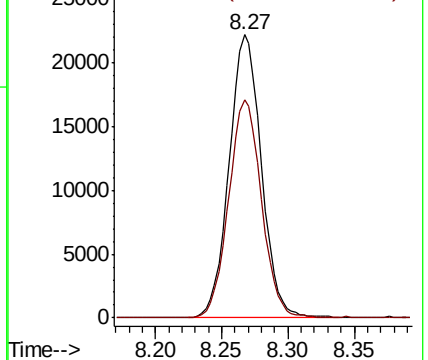


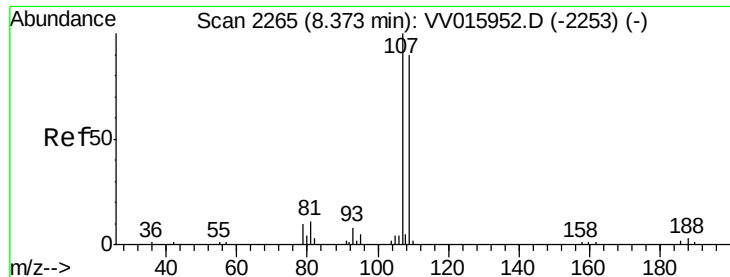
#51
Dibromochloromethane
Concen: 5.477 ug/L
RT: 8.27 min Scan# 2232
Delta R.T. 0.00 min
Lab File: VV015980.D
Acq: 11 May 2020 11:04

Tgt Ion: 129 Resp: 37604
Ion Ratio Lower Upper
129 100
127 76.8 56.0 104.0



Abundance Ion 128.95 (128.65 to 129.65): VV015980.D (-2139) (-)
Ion 126.90 (126.60 to 127.60): VV015980.D (-2139) (-)





#52

1,2-Dibromoethane

Concen: 5.367 ug/L

RT: 8.37 min Scan# 2265

Delta R.T. 0.00 min

Lab File: VV015980.D

Acq: 11 May 2020 11:04

Instrument :

MSVOA_V

ClientSampleId :

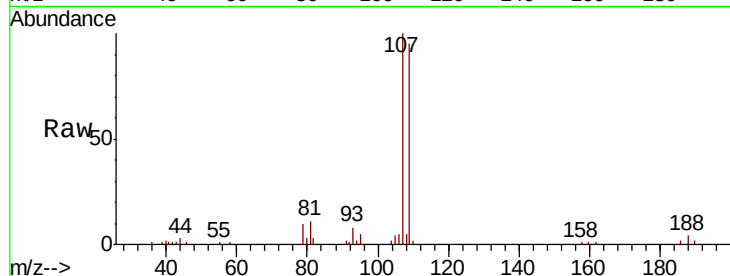
Tot Ion:107 Resp: 30411

Ion Ratio Lower Upper

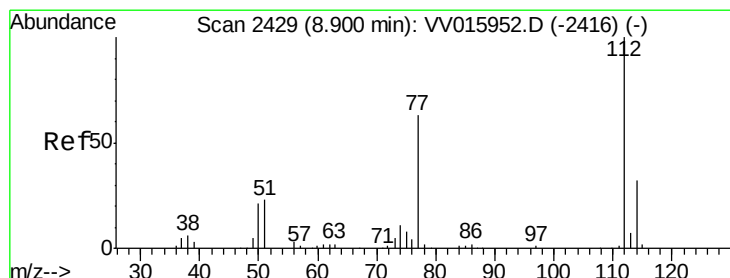
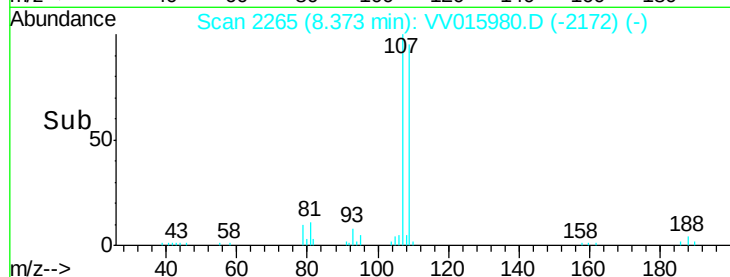
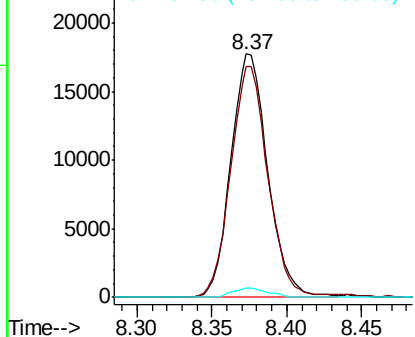
107 100

109 94.8 68.9 127.9

188 3.9 2.7 4.1



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: 5.343 ug/L

RT: 8.90 min Scan# 2430

Delta R.T. 0.00 min

Lab File: VV015980.D

Acq: 11 May 2020 11:04

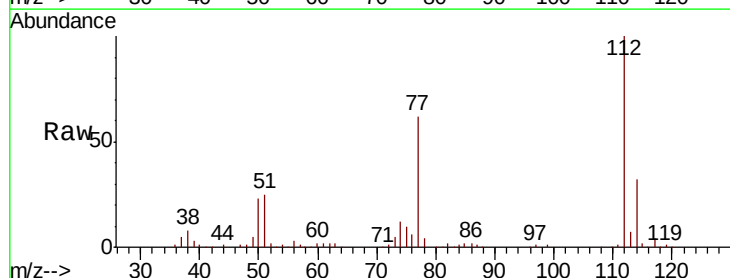
Tgt Ion:112 Resp: 131168

Ion Ratio Lower Upper

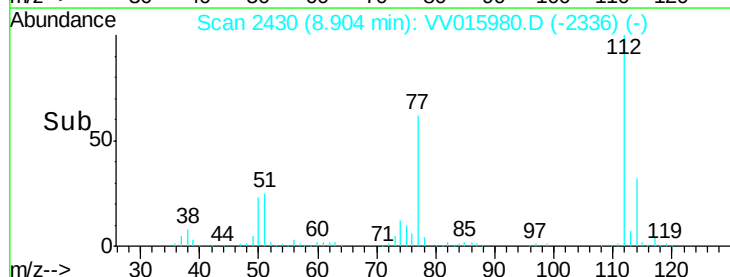
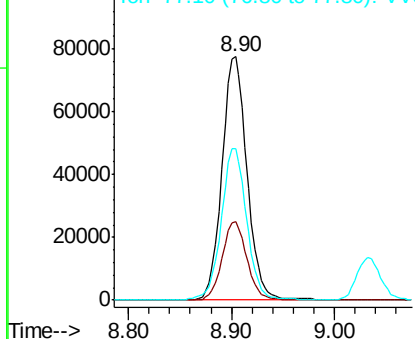
112 100

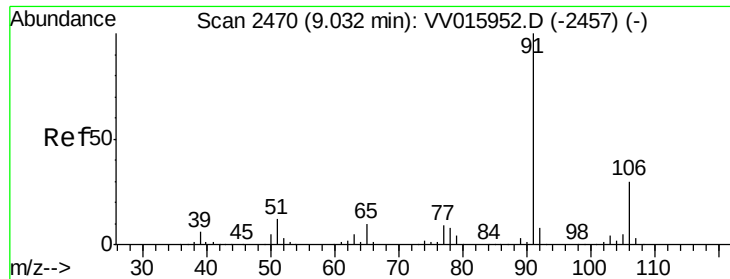
114 32.0 21.6 40.0

77 62.4 48.6 73.0



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: 5.403 ug/L

RT: 9.03 min Scan# 2470

Delta R.T. 0.00 min

Lab File: VV015980.D

Acq: 11 May 2020 11:04

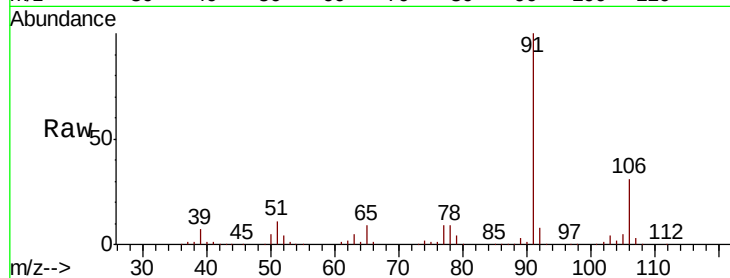
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 91 Resp: 234535

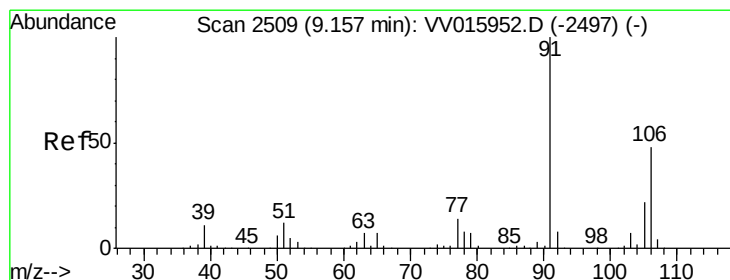
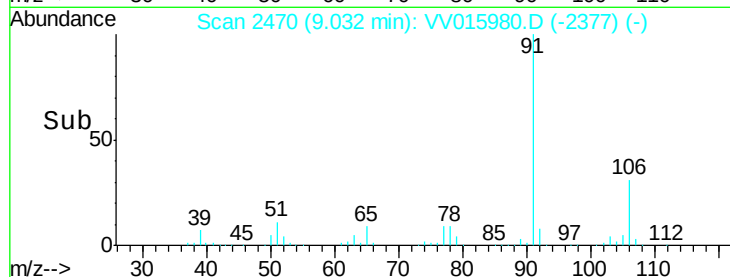
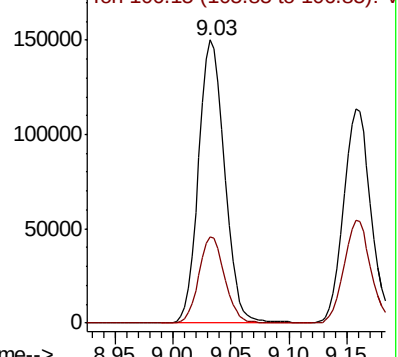
Ion Ratio Lower Upper

91 100

106 30.7 20.6 38.4



Abundance Ion 91.15 (90.85 to 91.85): VV015980.D (-2377) (-)



#55

m,p-xylene

Concen: 5.540 ug/L

RT: 9.16 min Scan# 2509

Delta R.T. 0.00 min

Lab File: VV015980.D

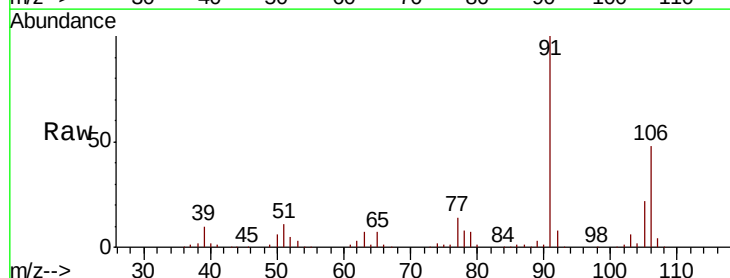
Acq: 11 May 2020 11:04

Tgt Ion: 106 Resp: 89034

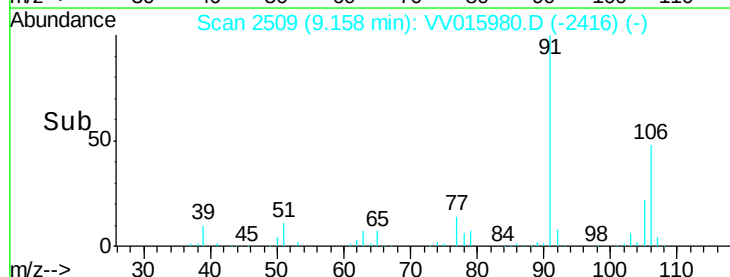
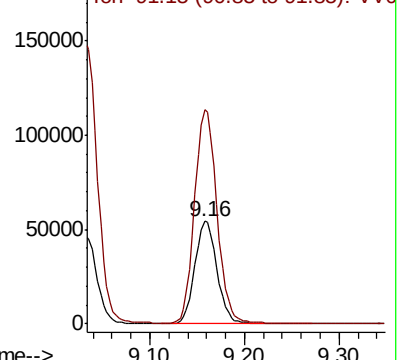
Ion Ratio Lower Upper

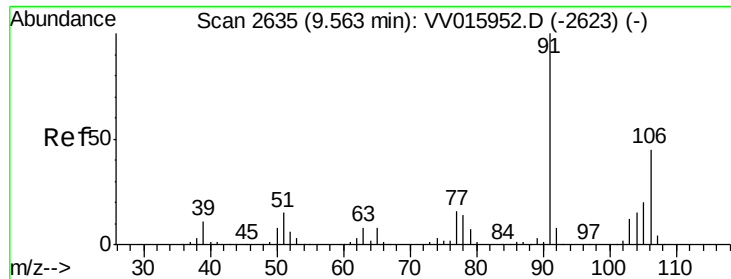
106 100

91 209.6 149.9 278.3



Abundance Ion 106.15 (105.85 to 106.85): VV015980.D (-2416) (-)

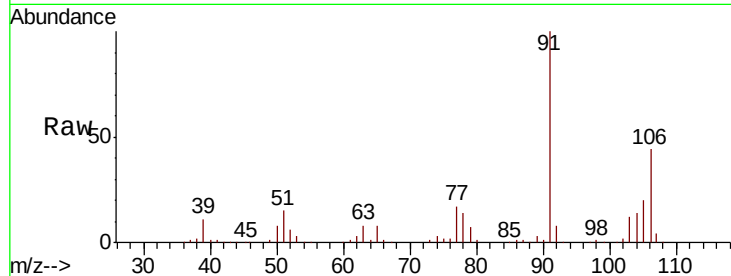




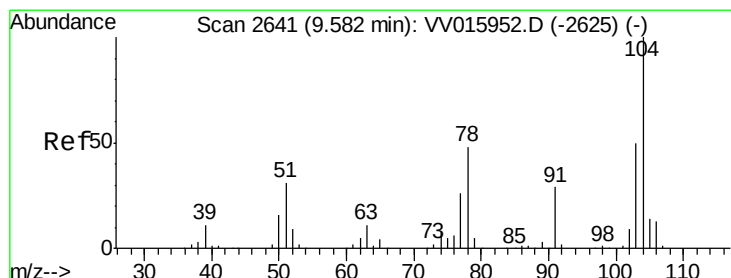
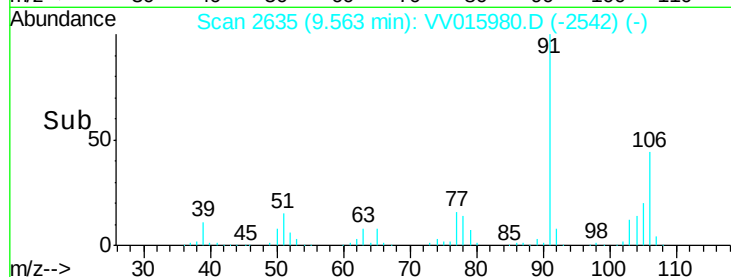
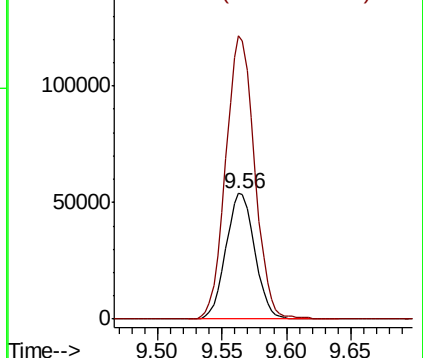
#56
o-xylene
Concen: 5.481 ug/L
RT: 9.56 min Scan# 2635
Delta R.T. 0.00 min
Lab File: VV015980.D
Acq: 11 May 2020 11:04

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion:106 Resp: 84224
Ion Ratio Lower Upper
106 100
91 224.9 159.7 296.5

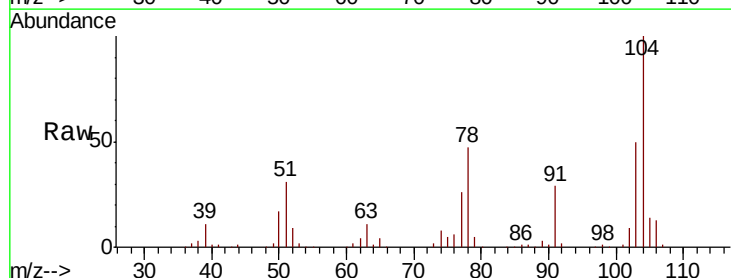


Abundance Ion 106.15 (105.85 to 106.85): VV015980.D (-2542) (-)
Ion 91.15 (90.85 to 91.85): VV015980.D (-2542) (-)

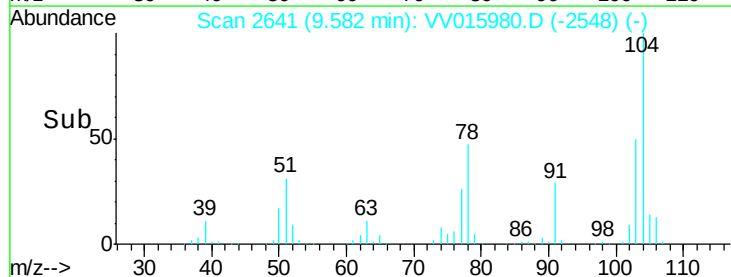
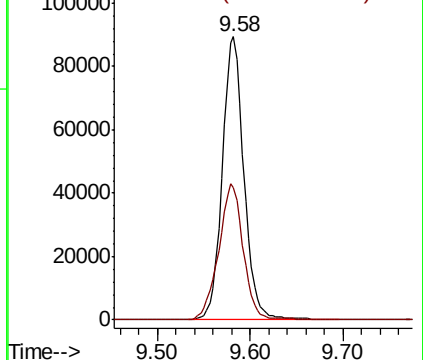


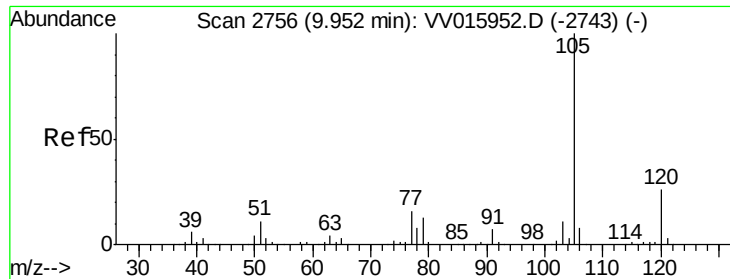
#57
Styrene
Concen: 5.631 ug/L
RT: 9.58 min Scan# 2641
Delta R.T. 0.00 min
Lab File: VV015980.D
Acq: 11 May 2020 11:04

Tgt Ion:104 Resp: 144723
Ion Ratio Lower Upper
104 100
78 46.9 33.9 63.0



Abundance Ion 104.10 (103.80 to 104.80): VV015980.D (-2548) (-)
Ion 78.10 (77.80 to 78.80): VV015980.D (-2548) (-)





#58

Isopropylbenzene

Concen: 5.448 ug/L

RT: 9.95 min Scan# 2756

Delta R.T. 0.00 min

Lab File: VV015980.D

Acq: 11 May 2020 11:04

Instrument :

MSVOA_V

ClientSampleId :

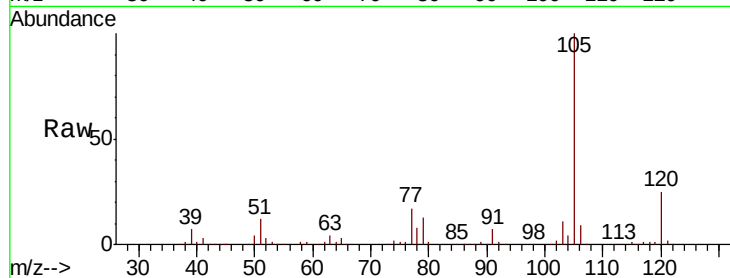
Tot Ion:105 Resp: 229981

Ion Ratio Lower Upper

105 100

120 25.7 20.8 31.2

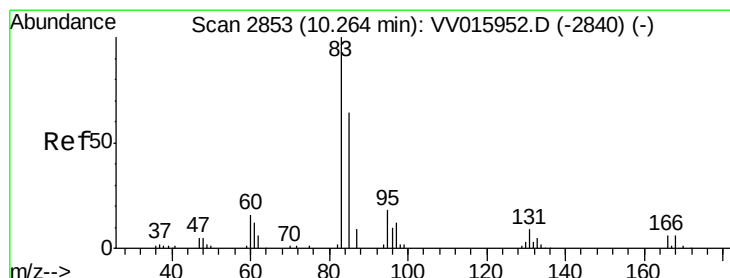
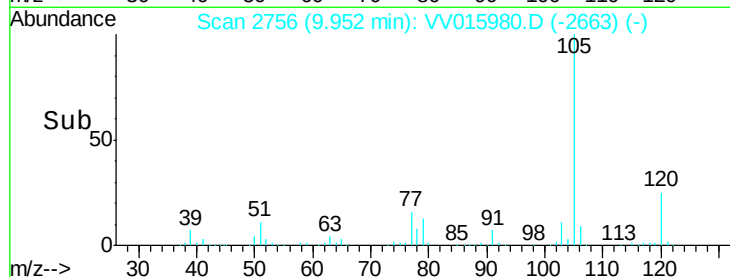
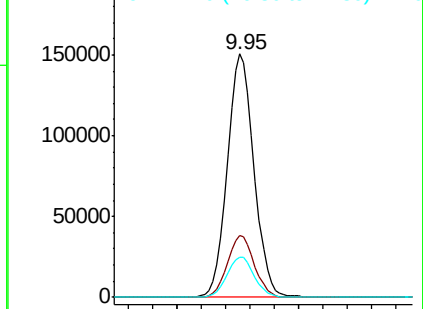
77 17.1 14.1 21.1



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: 5.482 ug/L

RT: 10.26 min Scan# 2853

Delta R.T. 0.00 min

Lab File: VV015980.D

Acq: 11 May 2020 11:04

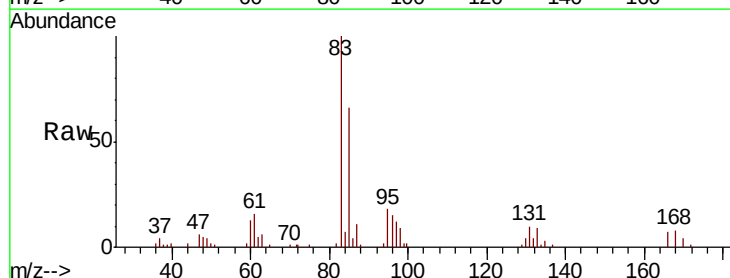
Tgt Ion: 83 Resp: 35792

Ion Ratio Lower Upper

83 100

85 66.1 44.0 81.6

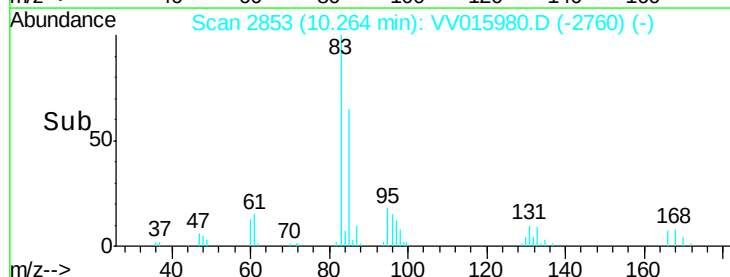
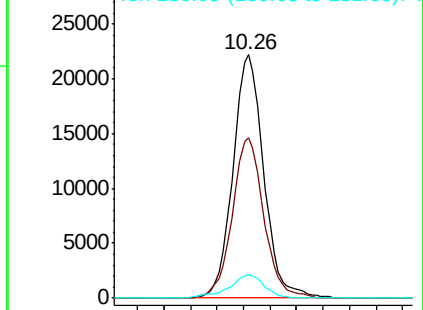
131 9.5 7.7 11.5

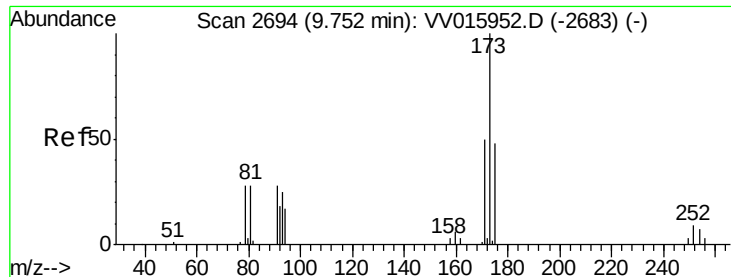


Abundance Ion 82.95 (82.65 to 83.65): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 130.95 (130.65 to 131.65): V





#62

Bromoform

Concen: 5.296 ug/L

RT: 9.76 min Scan# 2695

Delta R.T. 0.00 min

Lab File: VV015980.D

Acq: 11 May 2020 11:04

Instrument :
MSVOA_V
ClientSampled :

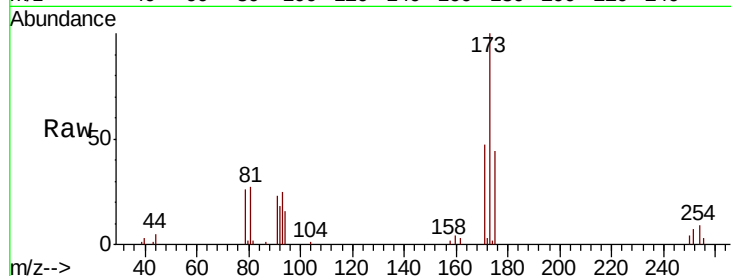
Tot Ion:173 Resp: 17931

Ion Ratio Lower Upper

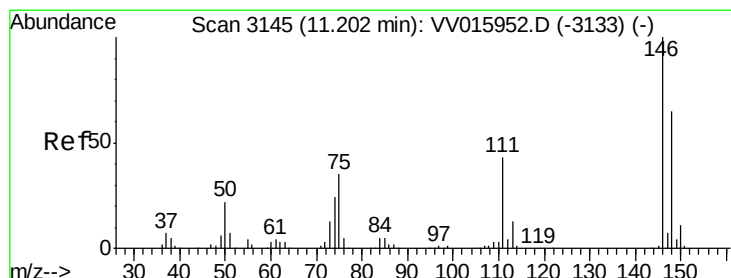
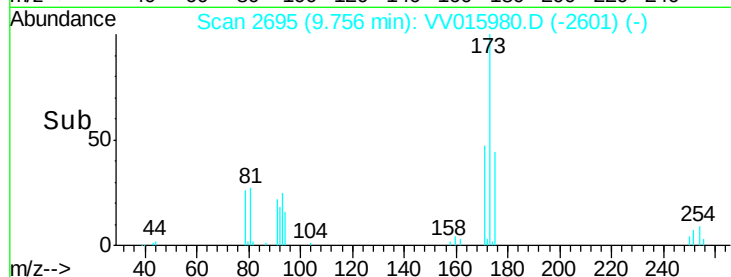
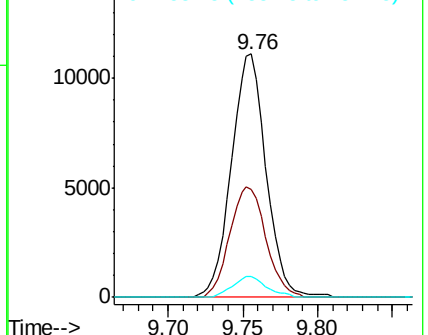
173 100

175 47.2 39.8 59.8

254 8.4 7.1 10.7



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: 5.308 ug/L

RT: 11.20 min Scan# 3145

Delta R.T. 0.00 min

Lab File: VV015980.D

Acq: 11 May 2020 11:04

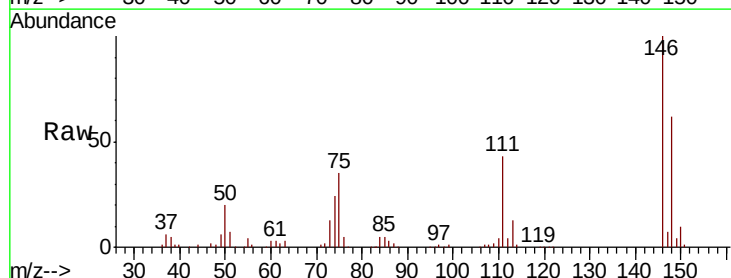
Tgt Ion:146 Resp: 105411

Ion Ratio Lower Upper

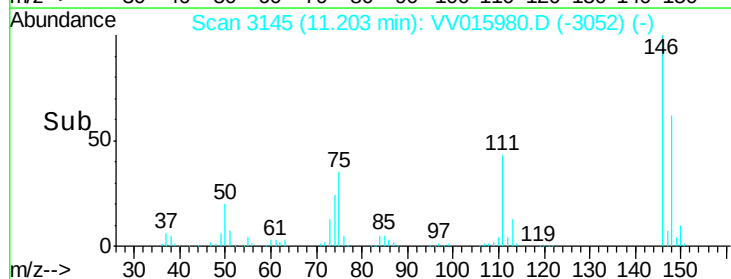
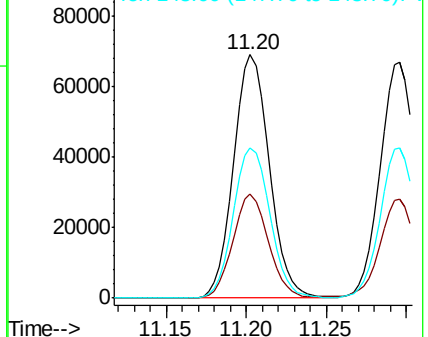
146 100

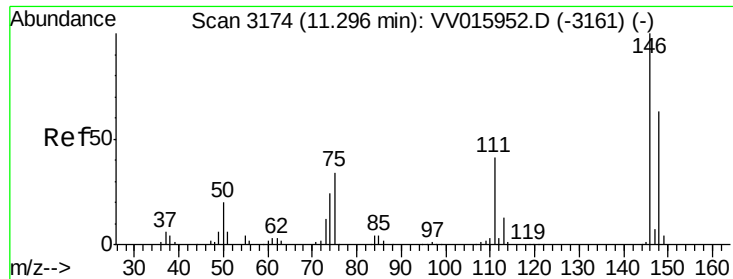
111 42.5 28.7 53.3

148 61.8 44.0 81.8



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: 5.317 ug/L

RT: 11.30 min Scan# 3174

Delta R.T. 0.00 min

Lab File: VV015980.D

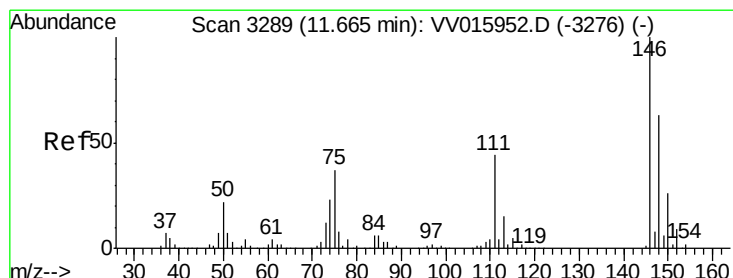
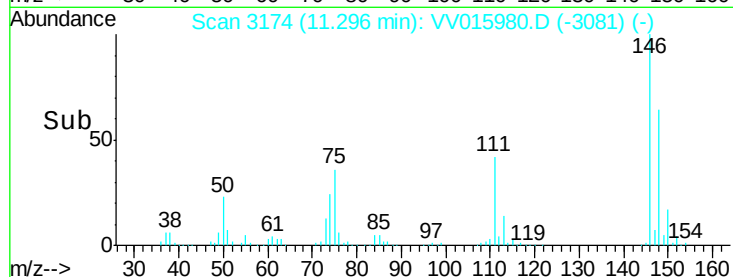
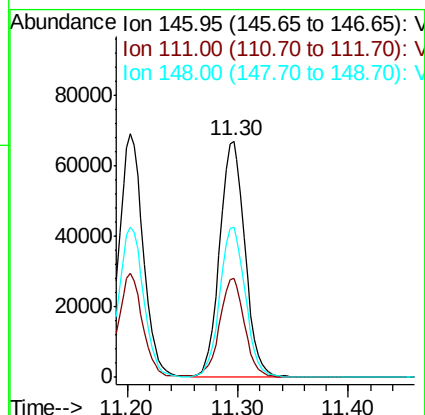
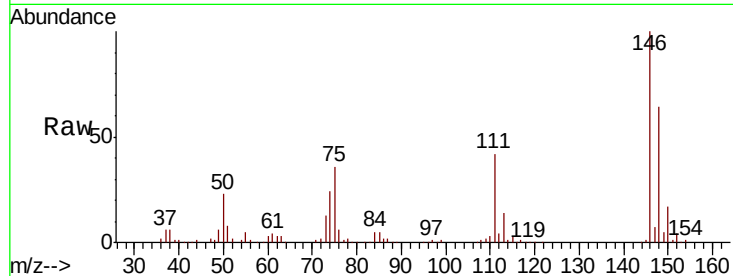
Acq: 11 May 2020 11:04

Instrument :

MSVOA_V

ClientSampled :

Tot Ion:146	Resp:	106075
Ion	Ratio	Lower Upper
146	100	
111	42.1	28.9 53.7
148	63.6	44.6 82.8



#66

1,2-Dichlorobenzene

Concen: 5.342 ug/L

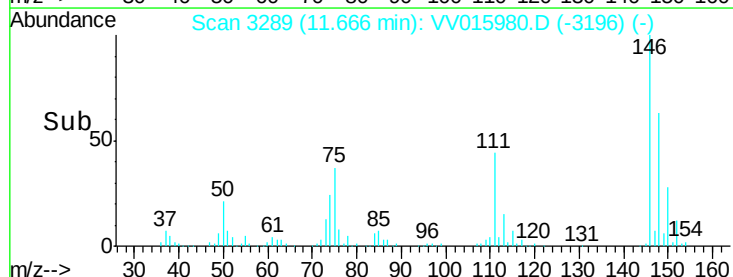
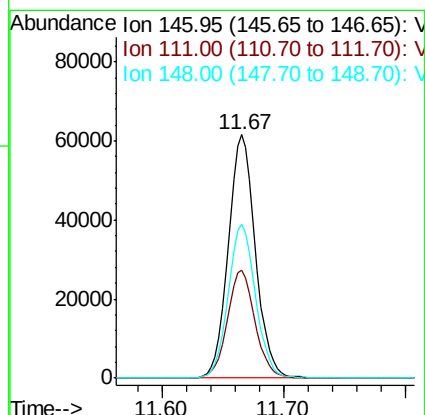
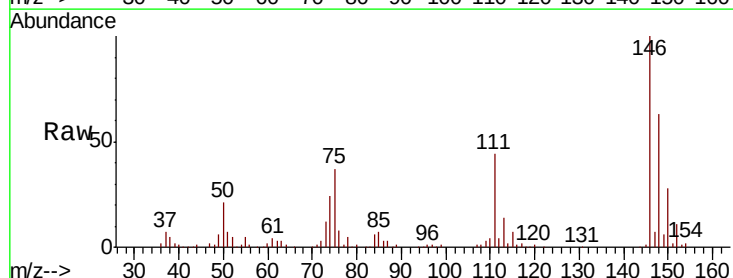
RT: 11.67 min Scan# 3289

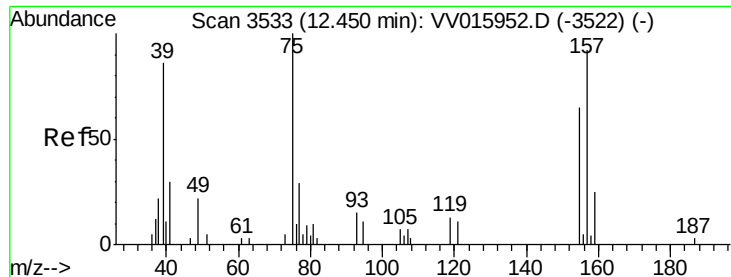
Delta R.T. 0.00 min

Lab File: VV015980.D

Acq: 11 May 2020 11:04

Tgt Ion:146	Resp:	96000
Ion	Ratio	Lower Upper
146	100	
111	44.3	37.0 55.4
148	63.0	49.8 74.6

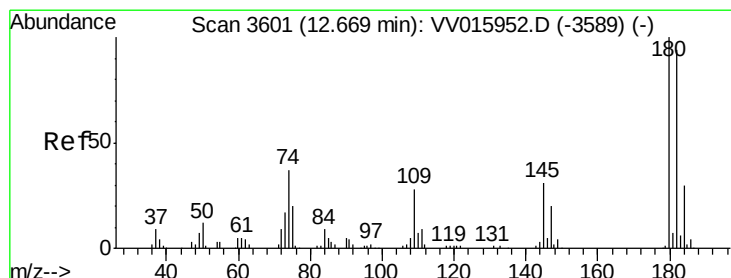
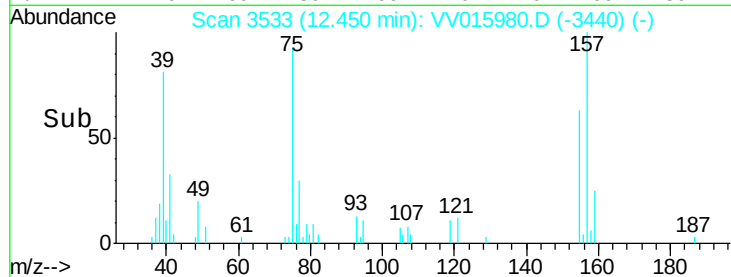
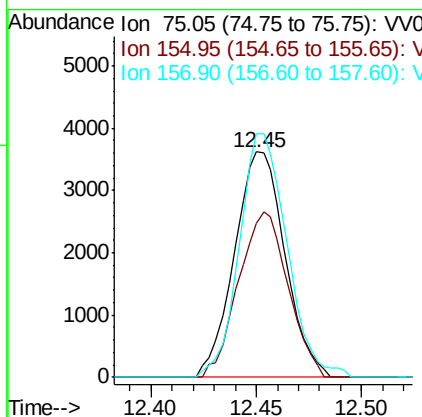
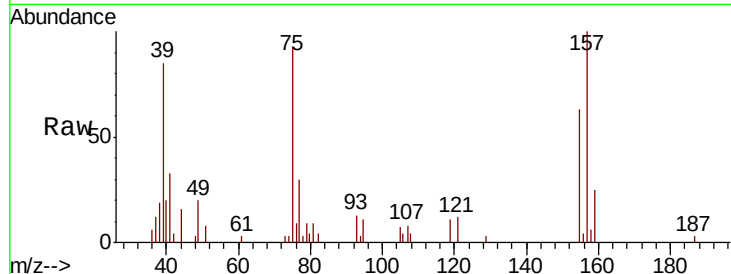




#67
 1,2-Dibromo-3-chloropropane
 Concen: 5.150 ug/L
 RT: 12.45 min Scan# 3533
 Delta R.T. 0.00 min
 Lab File: VV015980.D
 Acq: 11 May 2020 11:04

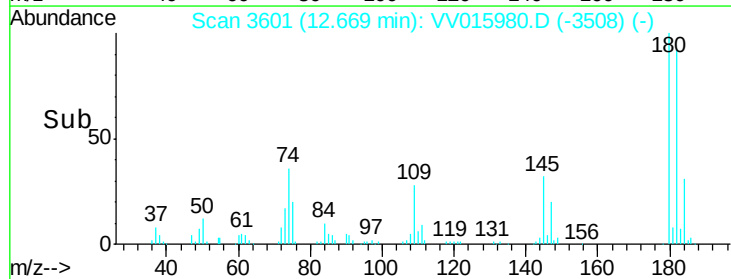
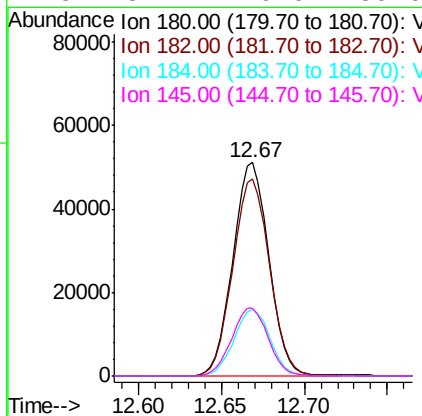
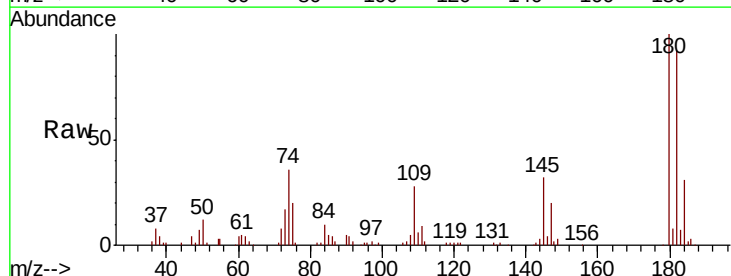
Instrument :
 MSVOA_V
 ClientSampled :

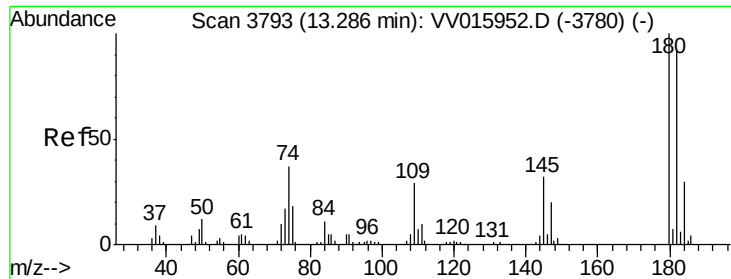
Tot Ion: 75 Resp: 6041
 Ion Ratio Lower Upper
 75 100
 155 68.2 58.2 87.4
 157 107.9 79.4 119.2



#68
 1,3,5-Trichlorobenzene
 Concen: 5.340 ug/L
 RT: 12.67 min Scan# 3601
 Delta R.T. 0.00 min
 Lab File: VV015980.D
 Acq: 11 May 2020 11:04

Tgt Ion: 180 Resp: 77535
 Ion Ratio Lower Upper
 180 100
 182 94.2 75.8 113.6
 184 31.0 24.6 36.8
 145 32.2 26.0 39.0

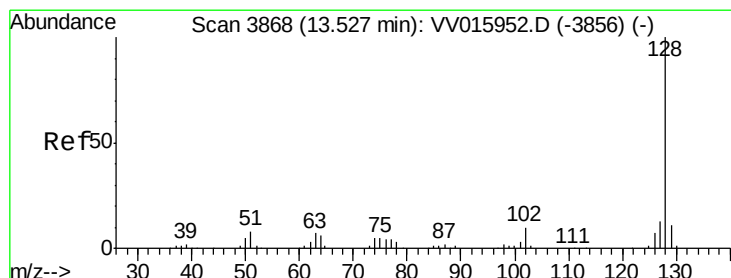
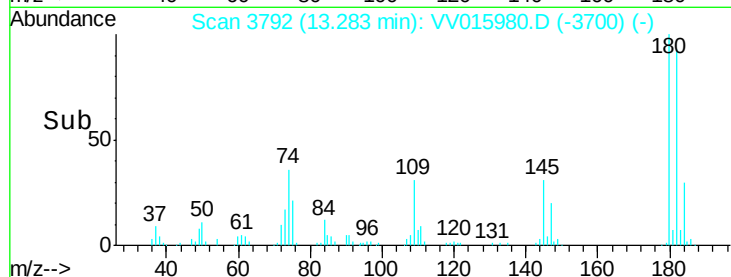
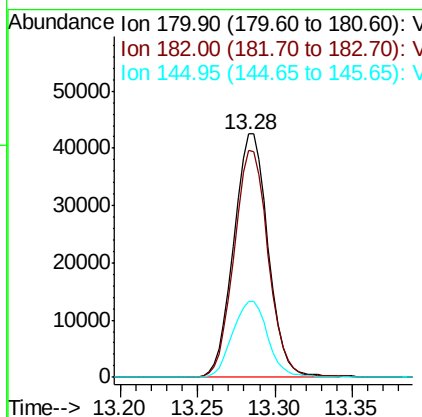
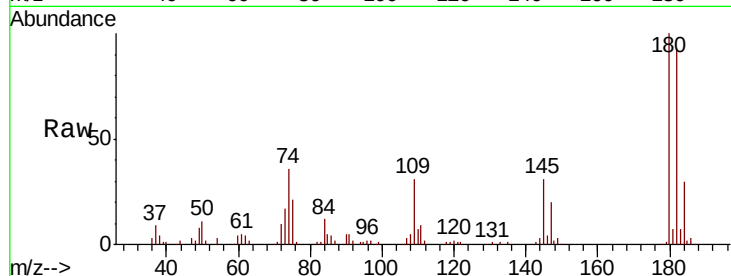




#69
 1,2,4-trichlorobenzene
 Concen: 5.268 ug/L
 RT: 13.28 min Scan# 3792
 Delta R.T. -0.00 min
 Lab File: VV015980.D
 Acq: 11 May 2020 11:04

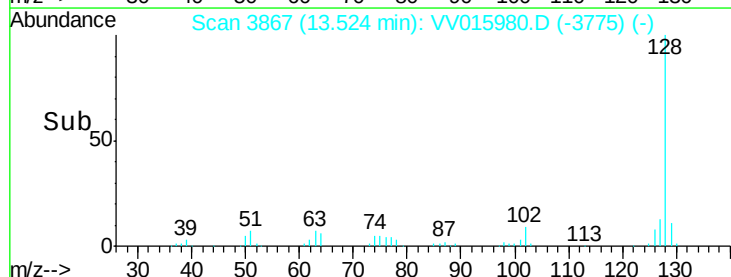
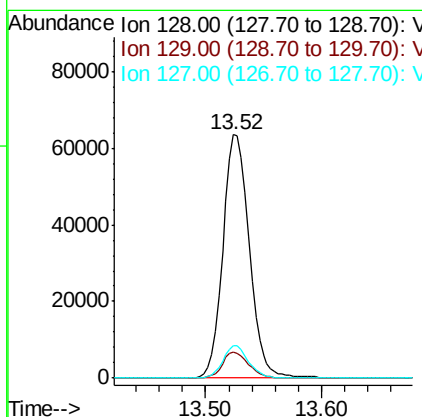
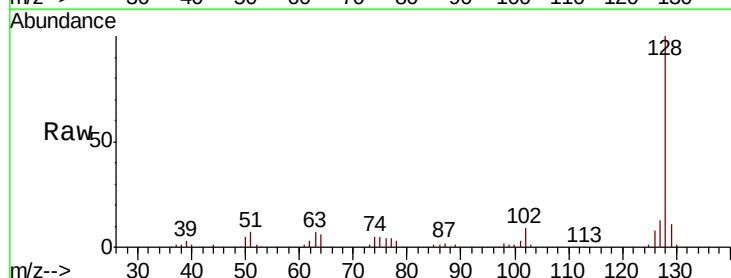
Instrument :
 MSVOA_V
 ClientSampled :

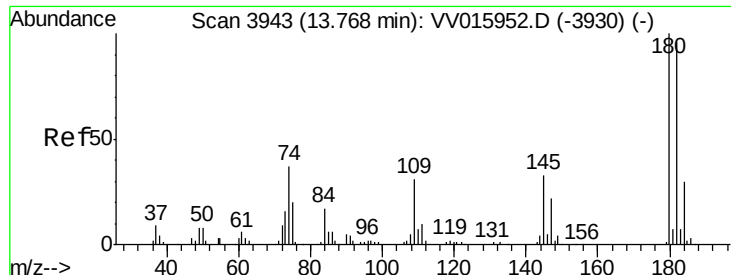
Tot Ion:180 Resp: 65723
 Ion Ratio Lower Upper
 180 100
 182 92.8 76.7 115.1
 145 32.0 26.4 39.6



#70
 Naphthalene
 Concen: 5.083 ug/L
 RT: 13.52 min Scan# 3867
 Delta R.T. -0.00 min
 Lab File: VV015980.D
 Acq: 11 May 2020 11:04

Tgt Ion:128 Resp: 100853
 Ion Ratio Lower Upper
 128 100
 129 10.6 8.5 12.7
 127 12.9 10.2 15.2





#71

1,2,3-Trichlorobenzene

Concen: 5.266 ug/L

RT: 13.77 min Scan# 3943

Delta R.T. 0.00 min

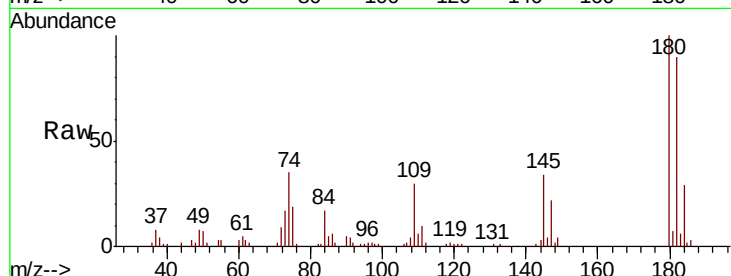
Lab File: VV015980.D

Acq: 11 May 2020 11:04

Instrument :

MSVOA_V

ClientSampleId :



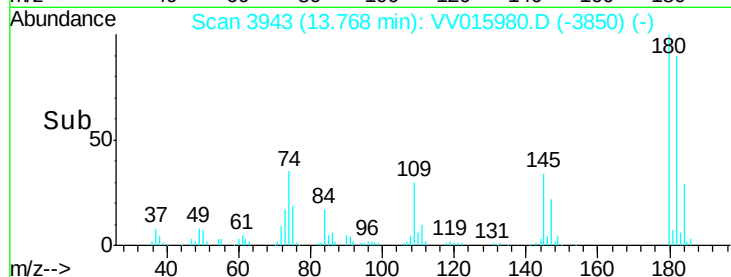
Tot Ion:180 Resp: 57948

Ion Ratio Lower Upper

180 100

182 93.7 77.0 115.6

145 35.2 28.3 42.5



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

