

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV050820\
 Data File : VV015978.D
 Acq On : 08 May 2020 20:13
 Operator : SY/MD
 Sample : VSTDCCC005EC
 Misc : 25.0mL/MSVOA V/WATER
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: May 09 00:52:31 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR050720WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Sat May 09 00:44:25 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	141438	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	139445	5.00	ug/L	0.00
61) 1,4-Dichlorobenzene-d4	11.27	152	71275	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	35691	4.65	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	93.00%
7) Chloroethane-d5	1.58	69	35422	4.87	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	97.40%
11) 1,1-Dichloroethene-d2	2.13	63	82631	5.01	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	100.20%
20) 2-Butanone-d5	3.92	46	118849	54.30	ug/L	-0.01
Spiked Amount	50.000	Range	40 - 130	Recovery	=	108.60%
24) Chloroform-d	4.38	84	86173	5.14	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	102.80%
26) 1,2-Dichloroethane-d4	5.06	65	49044	5.10	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	102.00%
32) Benzene-d6	5.08	84	170607	5.14	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	102.80%
36) 1,2-Dichloropropane-d6	6.09	67	52115	5.15	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	103.00%
41) Toluene-d8	7.34	98	161353	5.14	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	102.80%
45) trans-1,3-Dichloropropene-	7.64	79	19012	4.78	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	95.60%
48) 2-Hexanone-d5	8.11	63	91389	52.34	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	104.68%
59) 1,1,2,2-Tetrachloroethane-	10.24	84	38059	5.34	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	106.80%
65) 1,2-Dichlorobenzene-d4	11.65	152	58336	5.04	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	100.80%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.14	85	58608	5.408	ug/L 100
3) Chloromethane	1.25	50	58276	5.311	ug/L 100
5) Vinyl chloride	1.32	62	55682	5.307	ug/L 96
6) Bromomethane	1.53	94	26718	4.487	ug/L 97
8) Chloroethane	1.60	64	38984	5.215	ug/L 95
9) Trichlorofluoromethane	1.77	101	81891	5.690	ug/L 98
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	44930	5.527	ug/L 99
12) 1,1-Dichloroethene	2.13	96	42346	5.440	ug/L 89
13) Acetone	2.20	43	78952	54.682	ug/L 70
14) Carbon disulfide	2.31	76	135792	5.284	ug/L 99
15) Methyl Acetate	2.46	43	19334	5.795	ug/L 95
16) Methylene chloride	2.52	84	48236	5.179	ug/L 98
17) Methyl tert-butyl Ether	2.79	73	108401	5.360	ug/L 99
18) trans-1,2-Dichloroethene	2.78	96	47811	5.558	ug/L 95
19) 1,1-Dichloroethane	3.21	63	93140	5.622	ug/L 99
21) 2-Butanone	4.00	43	124501	56.621	ug/L 95
22) cis-1,2-Dichloroethene	3.94	96	50307	5.587	ug/L 97

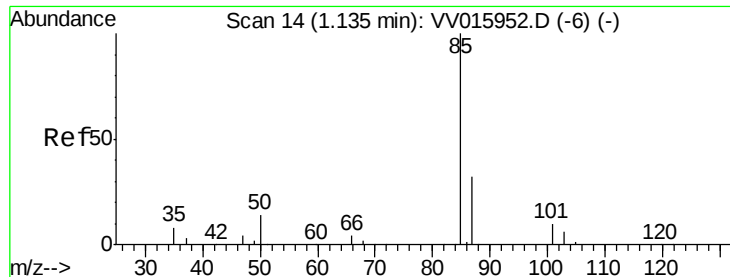
Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV050820\
 Data File : VV015978.D
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 Quant Title : TRACE VOA SOM01.0
 QLast Update : Sat May 09 00:44:25 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.28	128	21256	5.531	ug/L	100
25) Chloroform	4.40	83	102161	5.599	ug/L	96
27) 1,2-Dichloroethane	5.16	62	61112	5.451	ug/L	100
29) 1,1,1-Trichloroethane	4.64	97	84371	5.487	ug/L	99
30) Cyclohexane	4.70	56	82786	5.372	ug/L	99
31) Carbon tetrachloride	4.86	117	71858	5.415	ug/L	98
33) Benzene	5.13	78	198469	5.657	ug/L	100
34) Trichloroethene	5.94	95	52659	5.259	ug/L	96
35) Methylcyclohexane	6.15	83	80933	5.343	ug/L	98
37) 1,2-Dichloropropane	6.20	63	51483	5.776	ug/L	99
38) Bromodichloromethane	6.53	83	61828	5.462	ug/L	99
39) cis-1,3-Dichloropropene	7.05	75	64419	5.113	ug/L	96
40) 4-Methyl-2-pentanone	7.25	43	319031	57.425	ug/L	99
42) Toluene	7.41	91	210360	5.657	ug/L	98
43) 1,3,5-Trimethylbenzene	10.56	105	190804	5.589	ug/L #	100
44) 1,2,4-Trimethylbenzene	10.94	105	192116	5.632	ug/L #	100
46) trans-1,3-Dichloropropene	7.67	75	53963	5.071	ug/L	97
47) 1,1,2-Trichloroethane	7.86	97	32902	5.528	ug/L	96
49) Tetrachloroethene	8.00	164	38572	5.520	ug/L	99
50) 2-Hexanone	8.16	43	228519	58.166	ug/L	100
51) Dibromochloromethane	8.27	129	35353	5.286	ug/L	96
52) 1,2-Dibromoethane	8.38	107	31565	5.718	ug/L #	95
53) Chlorobenzene	8.90	112	131686	5.506	ug/L	98
54) Ethylbenzene	9.03	91	235827	5.577	ug/L	99
55) m,p-xylene	9.16	106	88691	5.664	ug/L	94
56) o-xylene	9.57	106	84609	5.652	ug/L	98
57) Styrene	9.58	104	142465	5.690	ug/L	100
58) Isopropylbenzene	9.95	105	228102	5.546	ug/L	100
60) 1,1,2,2-Tetrachloroethane	10.26	83	36825	5.790	ug/L	96
62) Bromoform	9.76	173	15594	4.762	ug/L	97
63) 1,3-Dichlorobenzene	11.20	146	104861	5.461	ug/L	97
64) 1,4-Dichlorobenzene	11.30	146	103373	5.358	ug/L	98
66) 1,2-Dichlorobenzene	11.67	146	95985	5.523	ug/L	98
67) 1,2-Dibromo-3-chloropropan	12.45	75	6222	5.485	ug/L	95
68) 1,3,5-Trichlorobenzene	12.67	180	75306	5.364	ug/L	99
69) 1,2,4-trichlorobenzene	13.28	180	64777	5.370	ug/L	98
70) Naphthalene	13.53	128	102875	5.362	ug/L	99
71) 1,2,3-Trichlorobenzene	13.77	180	57793	5.430	ug/L	100

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



#2

Dichlorodifluoromethane

Concen: 5.408 ug/L

RT: 1.14 min Scan# 14

Delta R.T. -0.00 min

Lab File: VV015978.D

Acq: 08 May 2020 20:13

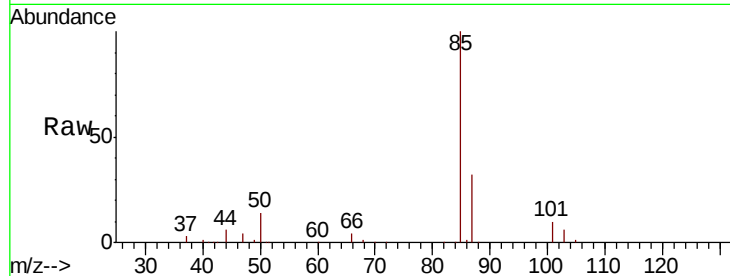
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 85 Resp: 58608

Ion Ratio Lower Upper

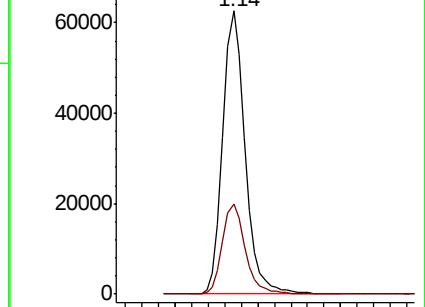
85 100

87 32.8 26.4 39.6

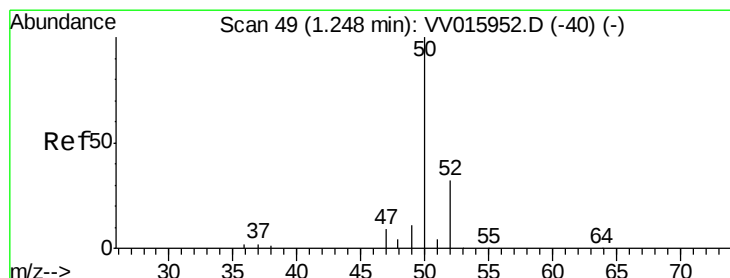
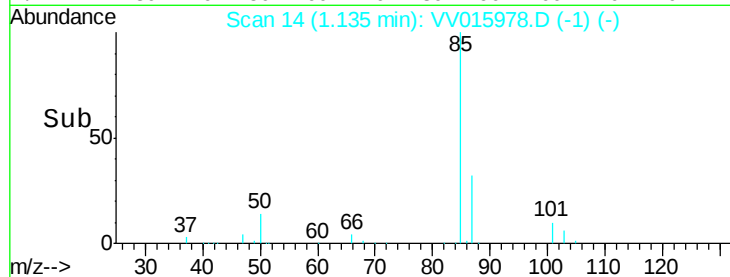


Abundance Ion 85.00 (84.70 to 85.70): VV015978.D (-1) (-)

Ion 87.00 (86.70 to 87.70): VV015978.D (-1) (-)



Time-->



#3

Chloromethane

Concen: 5.311 ug/L

RT: 1.25 min Scan# 49

Delta R.T. -0.00 min

Lab File: VV015978.D

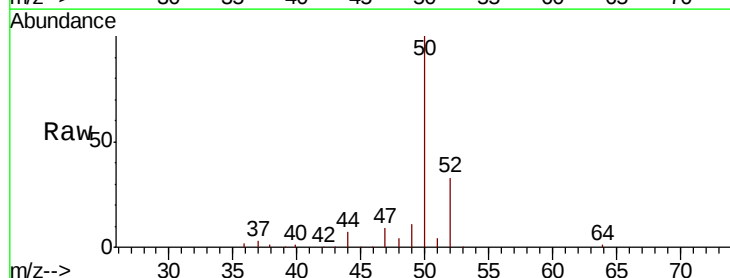
Acq: 08 May 2020 20:13

Tgt Ion: 50 Resp: 58276

Ion Ratio Lower Upper

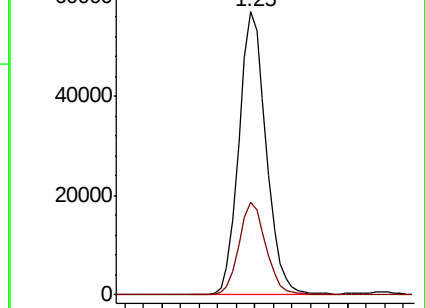
50 100

52 32.6 22.8 42.4

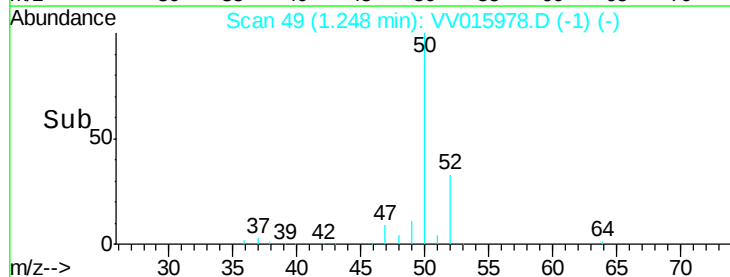


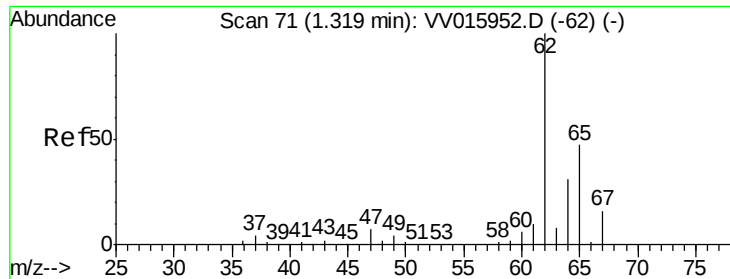
Abundance Ion 50.05 (49.75 to 50.75): VV015978.D (-1) (-)

Ion 52.05 (51.75 to 52.75): VV015978.D (-1) (-)



Time-->





#5

Vinyl chloride

Concen: 5.307 ug/L

RT: 1.32 min Scan# 71

Delta R.T. -0.00 min

Lab File: VV015978.D

Acq: 08 May 2020 20:13

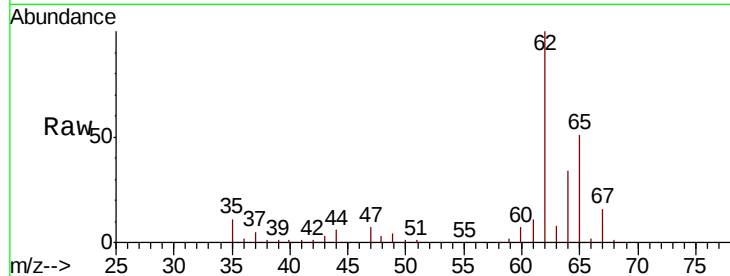
Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 62 Resp: 55682

Ion Ratio Lower Upper

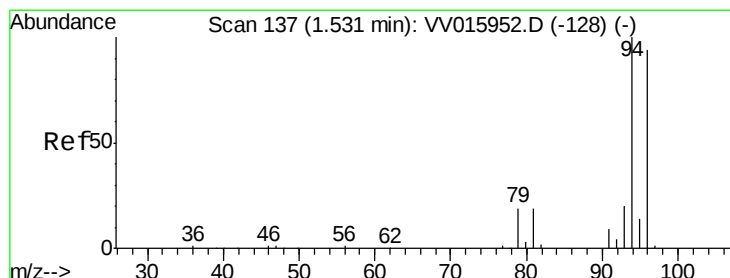
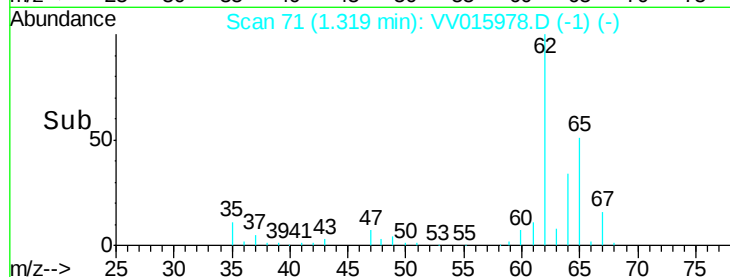
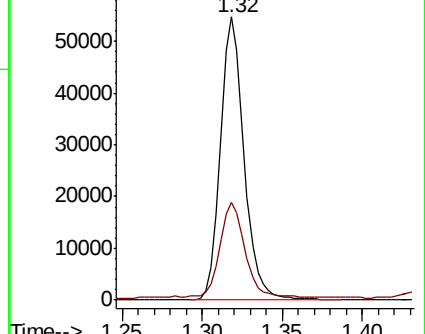
62 100

64 34.4 22.4 41.6



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.10 (63.80 to 64.80): VV0



#6

Bromomethane

Concen: 4.487 ug/L

RT: 1.53 min Scan# 137

Delta R.T. -0.00 min

Lab File: VV015978.D

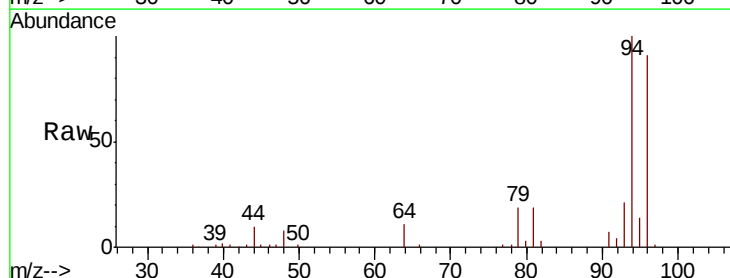
Acq: 08 May 2020 20:13

Tgt Ion: 94 Resp: 26718

Ion Ratio Lower Upper

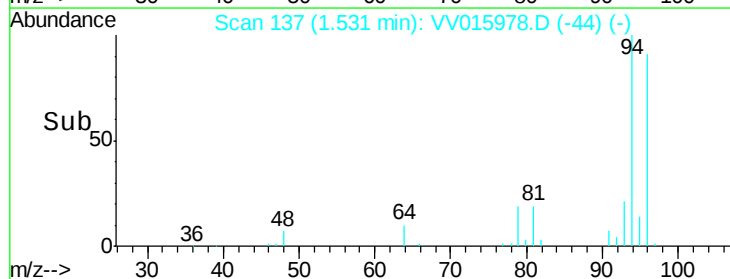
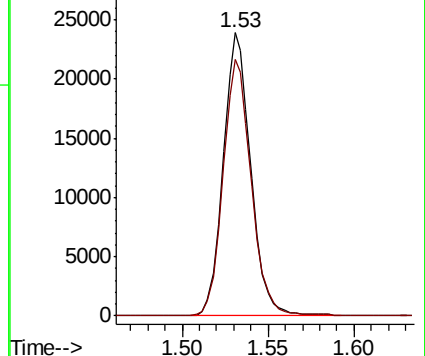
94 100

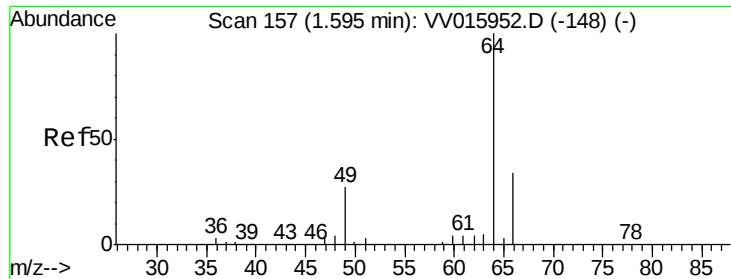
96 90.6 65.4 121.4



Abundance Ion 94.00 (93.70 to 94.70): VV0

Ion 96.00 (95.70 to 96.70): VV0

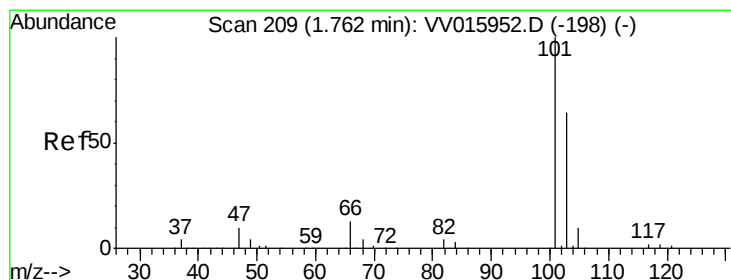
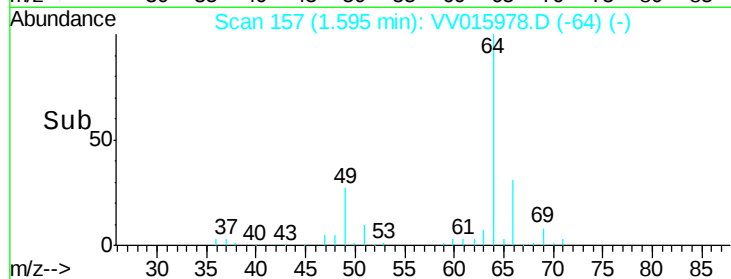
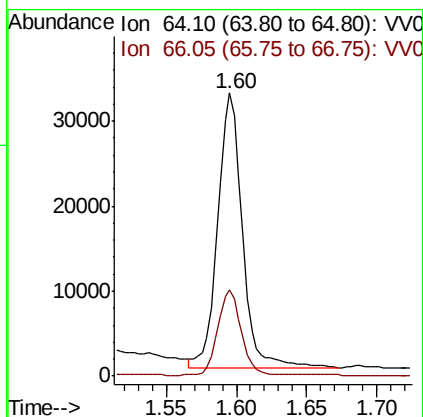
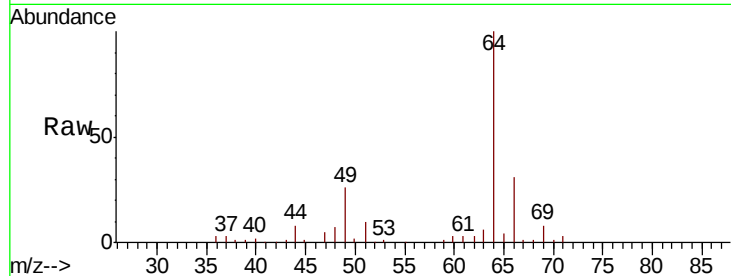




#8
Chloroethane
Concen: 5.215 ug/L
RT: 1.60 min Scan# 157
Delta R.T. -0.00 min
Lab File: VV015978.D
Acq: 08 May 2020 20:13

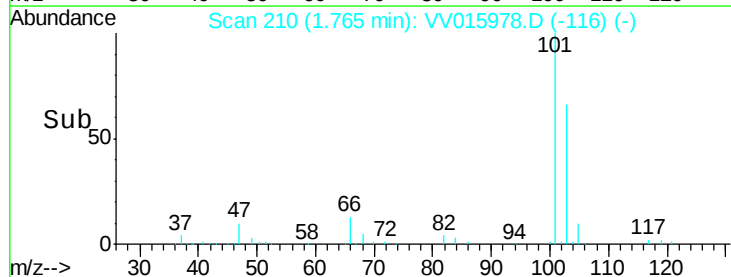
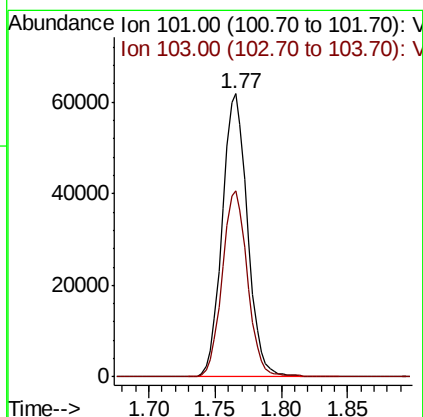
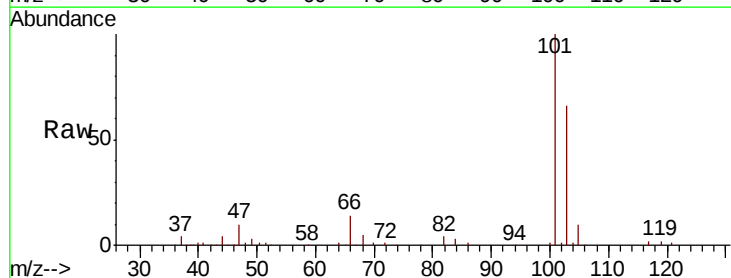
Instrument :
MSVOA_V
ClientSampled :

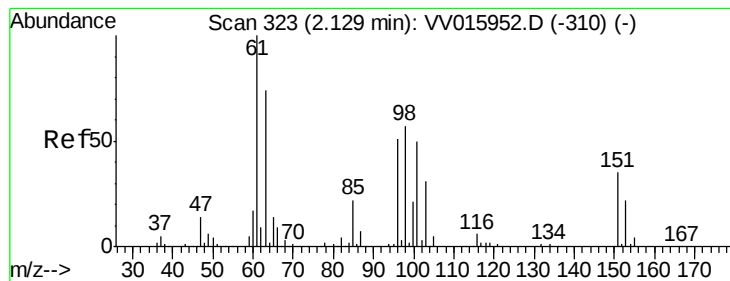
Tot Ion: 64 Resp: 38984
Ion Ratio Lower Upper
64 100
66 30.7 23.6 43.8



#9
Trichlorofluoromethane
Concen: 5.690 ug/L
RT: 1.77 min Scan# 210
Delta R.T. 0.00 min
Lab File: VV015978.D
Acq: 08 May 2020 20:13

Tgt Ion:101 Resp: 81891
Ion Ratio Lower Upper
101 100
103 65.8 51.4 77.2





#10

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

Concen: 5.527 ug/L

RT: 2.13 min Scan# 324

Delta R.T. 0.00 min

Lab File: VV015978.D

Acq: 08 May 2020 20:13

Instrument :

MSVOA_V

ClientSampleId :

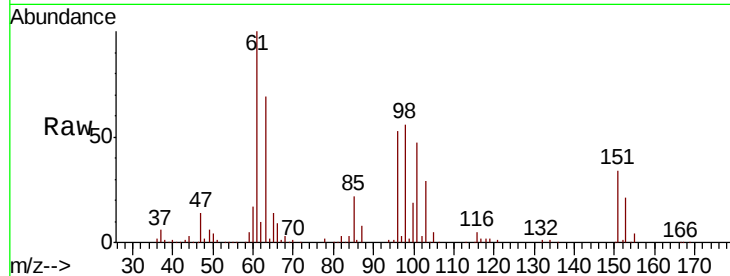
Tot Ion:101 Resp: 44930

Ion Ratio Lower Upper

101 100

85 45.2 35.7 53.5

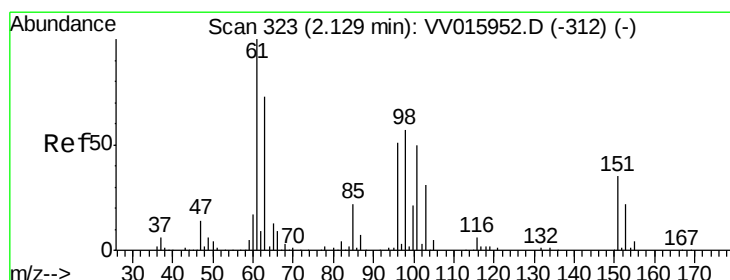
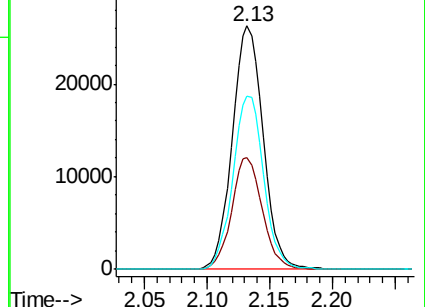
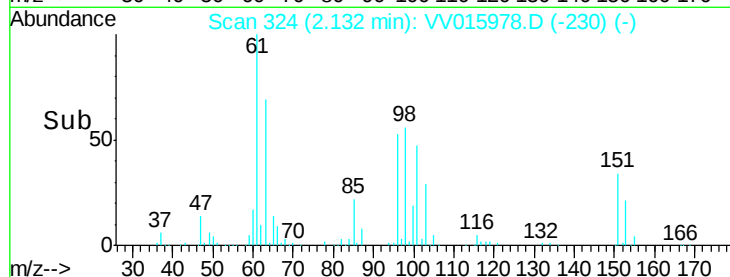
151 71.0 58.0 87.0



Abundance Ion 101.00 (100.70 to 101.70): VV015978.D (-230) (-)

Ion 85.00 (84.70 to 85.70): VV015978.D (-230) (-)

Ion 151.00 (150.70 to 151.70): VV015978.D (-230) (-)



#12

1,1-Dichloroethene

Concen: 5.440 ug/L

RT: 2.13 min Scan# 324

Delta R.T. 0.00 min

Lab File: VV015978.D

Acq: 08 May 2020 20:13

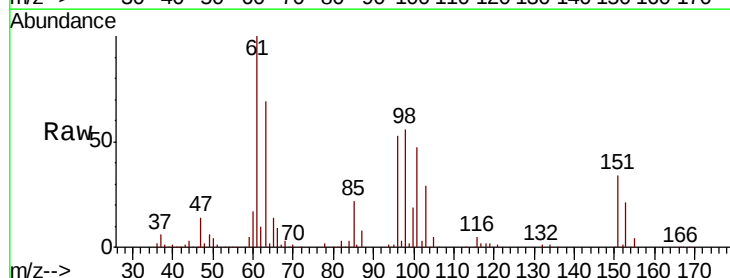
Tgt Ion: 96 Resp: 42346

Ion Ratio Lower Upper

96 100

61 189.5 139.9 259.7

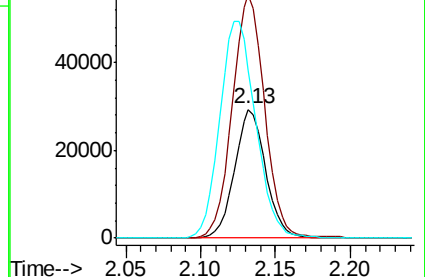
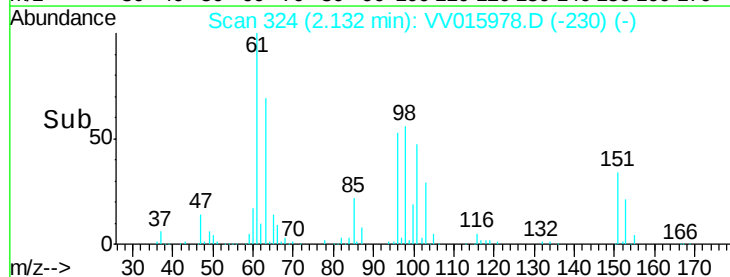
63 131.1 106.4 197.6

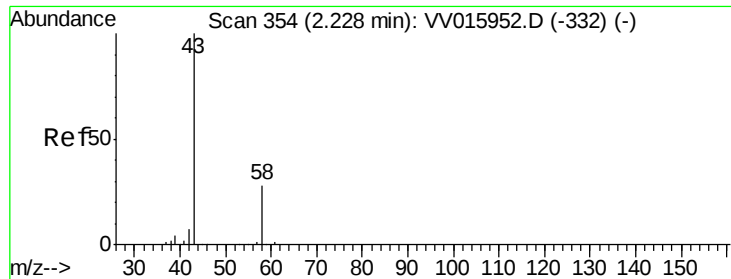


Abundance Ion 96.00 (95.70 to 96.70): VV015978.D (-230) (-)

Ion 61.05 (60.75 to 61.75): VV015978.D (-230) (-)

Ion 63.00 (62.70 to 63.70): VV015978.D (-230) (-)





#13

Acetone

Concen: 54.682 ug/L

RT: 2.20 min Scan# 345

Delta R.T. -0.03 min

Lab File: VV015978.D

Acq: 08 May 2020 20:13

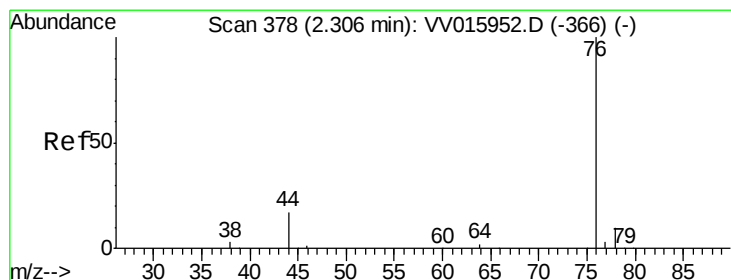
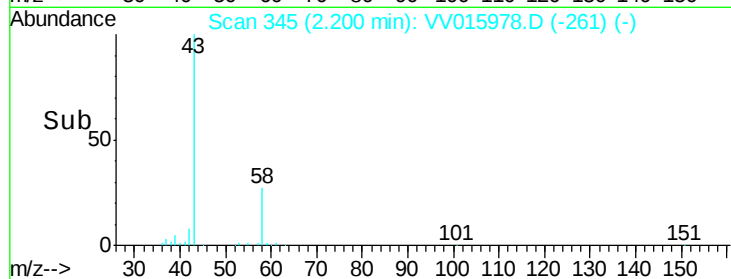
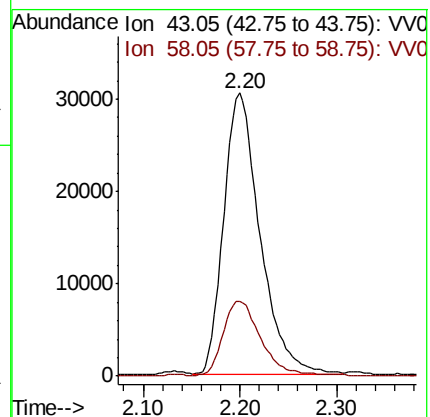
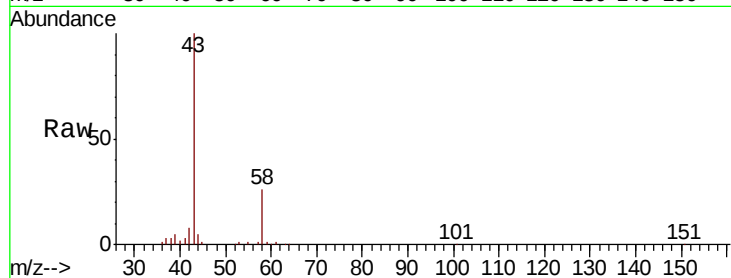
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 43 Resp: 78952

Ion Ratio Lower Upper

43 100

58 28.1 0.0 30.8



#14

Carbon disulfide

Concen: 5.284 ug/L

RT: 2.31 min Scan# 379

Delta R.T. 0.00 min

Lab File: VV015978.D

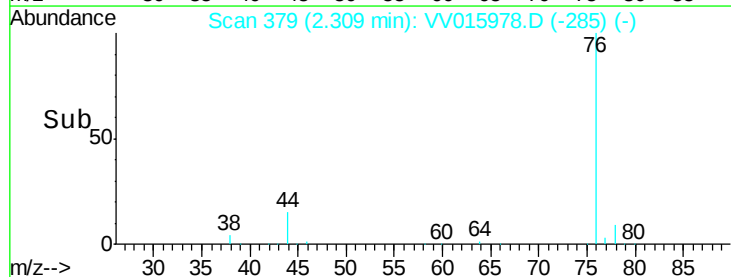
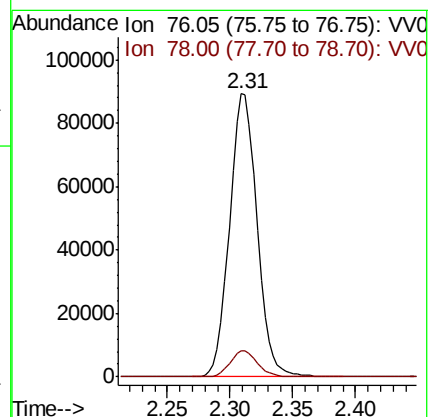
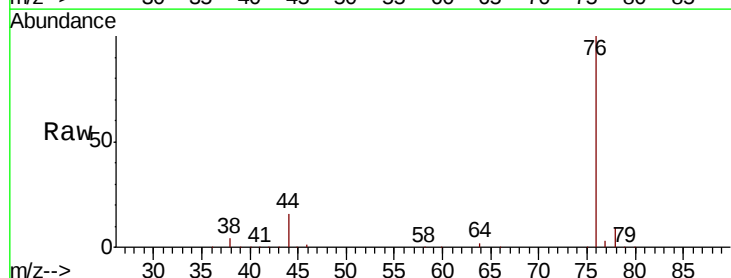
Acq: 08 May 2020 20:13

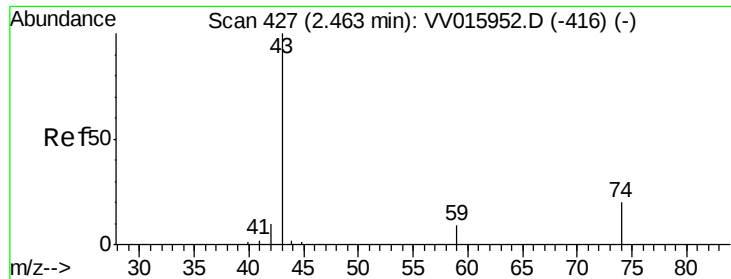
Tgt Ion: 76 Resp: 135792

Ion Ratio Lower Upper

76 100

78 9.3 7.0 10.6





#15

Methvl Acetate

Concen: 5.795 ug/L

RT: 2.46 min Scan# 425

Delta R.T. -0.01 min

Lab File: VV015978.D

Acq: 08 May 2020 20:13

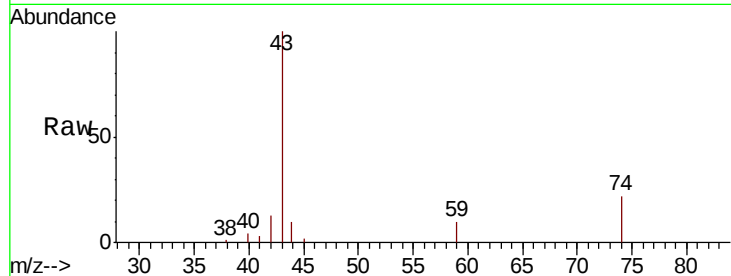
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 43 Resp: 19334

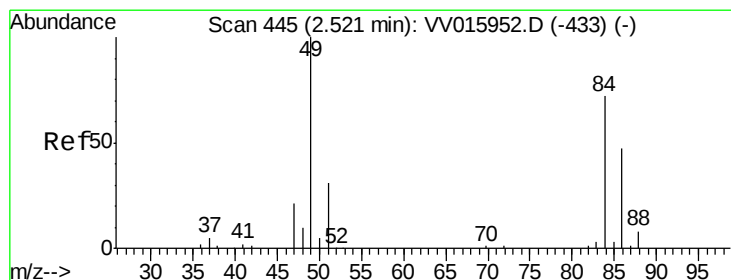
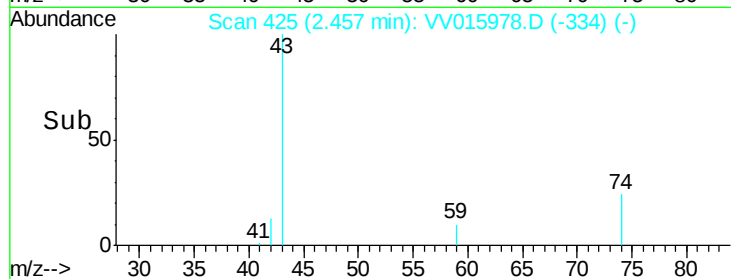
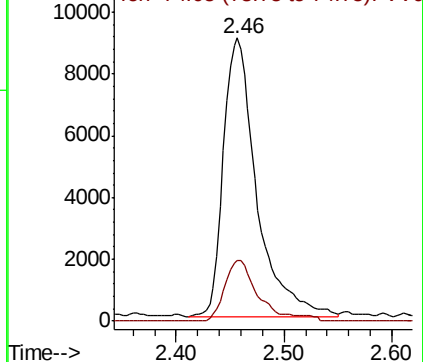
Ion Ratio Lower Upper

43 100

74 21.4 19.2 28.8



Abundance Ion 43.05 (42.75 to 43.75): VV0
Ion 74.05 (73.75 to 74.75): VV0



#16

Methylene chloride

Concen: 5.179 ug/L

RT: 2.52 min Scan# 446

Delta R.T. 0.00 min

Lab File: VV015978.D

Acq: 08 May 2020 20:13

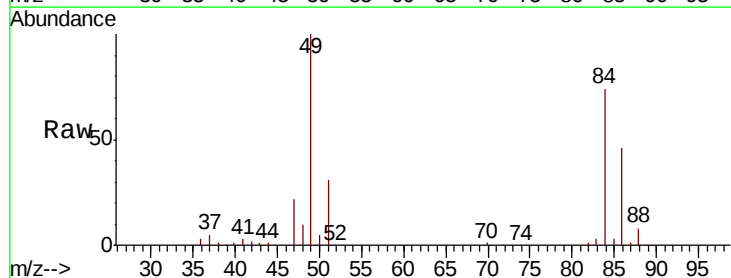
Tgt Ion: 84 Resp: 48236

Ion Ratio Lower Upper

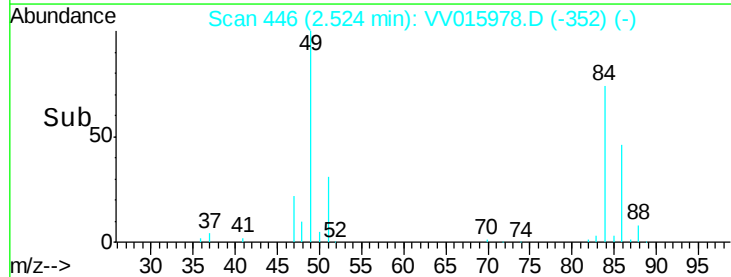
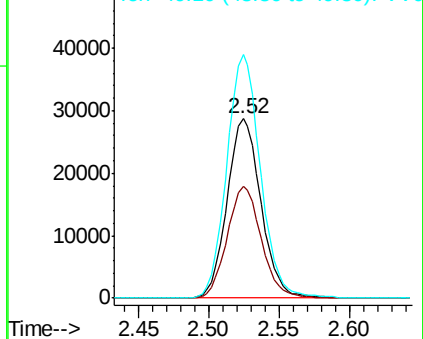
84 100

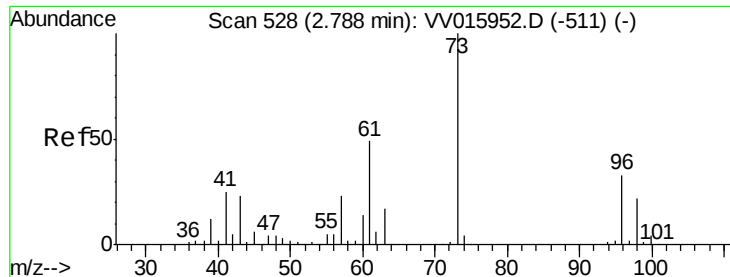
86 62.3 45.6 84.8

49 135.8 93.6 173.8



Abundance Ion 84.05 (83.75 to 84.75): VV0
Ion 86.00 (85.70 to 86.70): VV0
Ion 49.10 (48.80 to 49.80): VV0

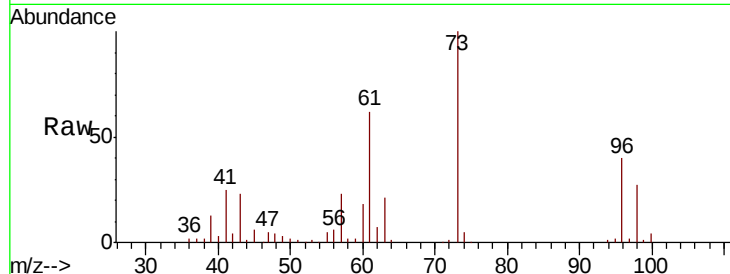




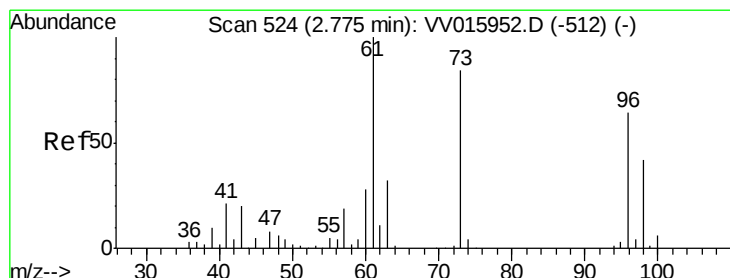
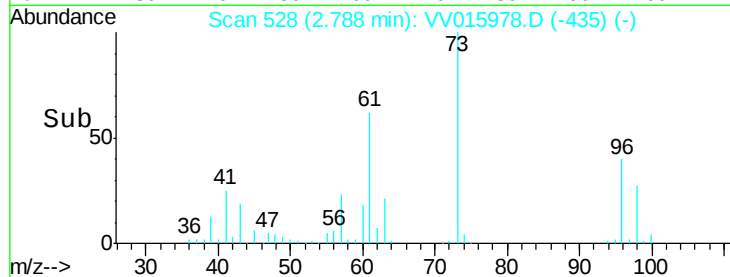
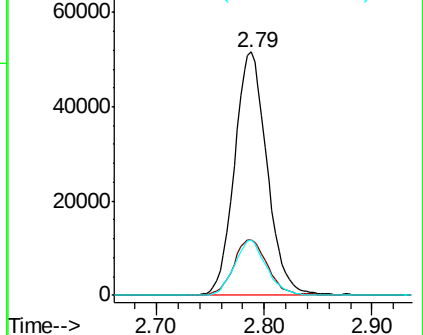
#17
Methvl tert-butvl Ether
Concen: 5.360 ug/L
RT: 2.79 min Scan# 528
Delta R.T. -0.00 min
Lab File: VV015978.D
Acq: 08 May 2020 20:13

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 73 Resp: 108401
Ion Ratio Lower Upper
73 100
43 24.1 18.8 28.2
57 22.3 17.8 26.6

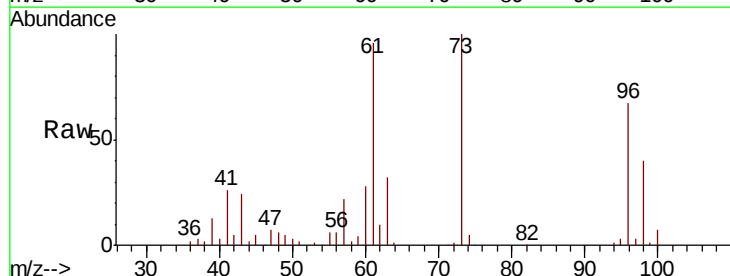


Abundance Ion 73.10 (72.80 to 73.80): VV0
Ion 43.05 (42.75 to 43.75): VV0
Ion 57.10 (56.80 to 57.80): VV0

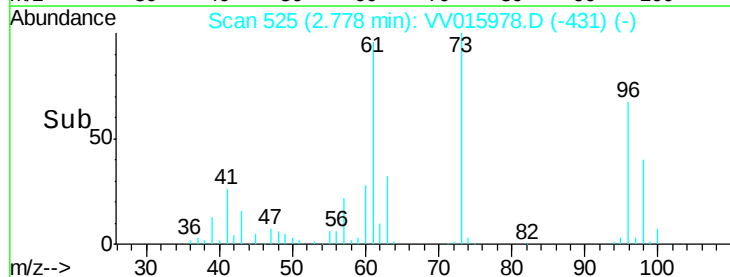
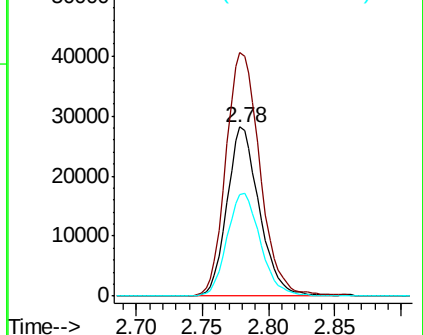


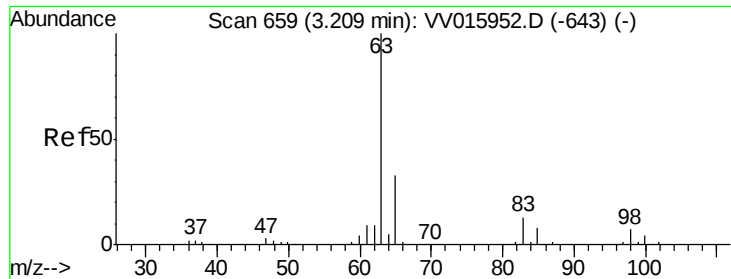
#18
trans-1,2-Dichloroethene
Concen: 5.558 ug/L
RT: 2.78 min Scan# 525
Delta R.T. 0.00 min
Lab File: VV015978.D
Acq: 08 May 2020 20:13

Tgt Ion: 96 Resp: 47811
Ion Ratio Lower Upper
96 100
61 143.8 105.3 195.5
98 60.2 44.0 81.6



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

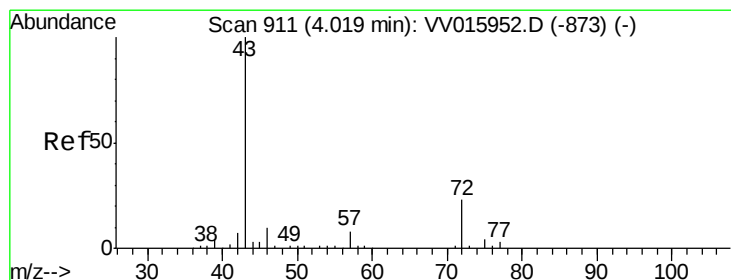
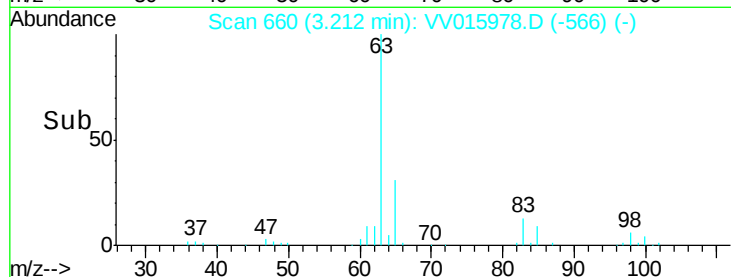
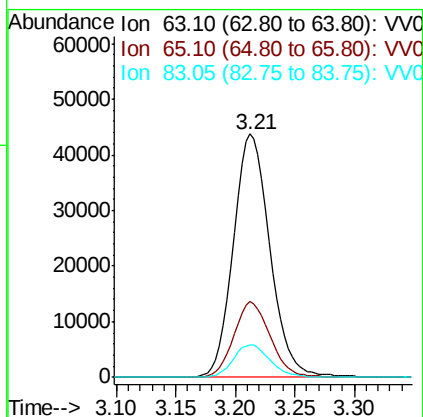
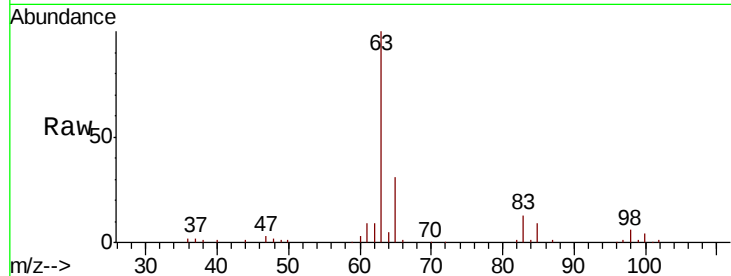




#19
 1,1-Dichloroethane
 Concen: 5.622 ug/L
 RT: 3.21 min Scan# 660
 Delta R.T. 0.00 min
 Lab File: VV015978.D
 Acq: 08 May 2020 20:13

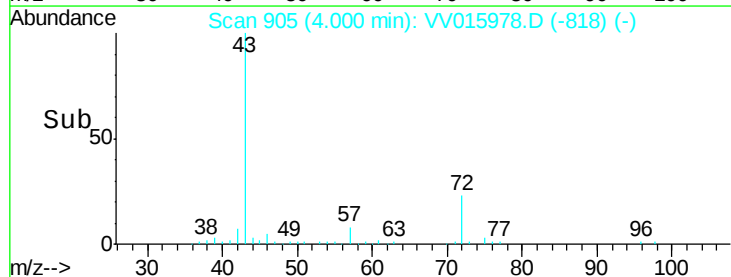
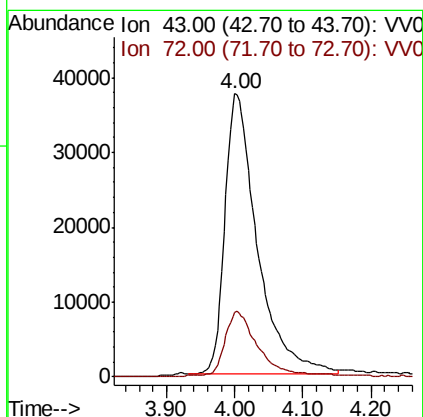
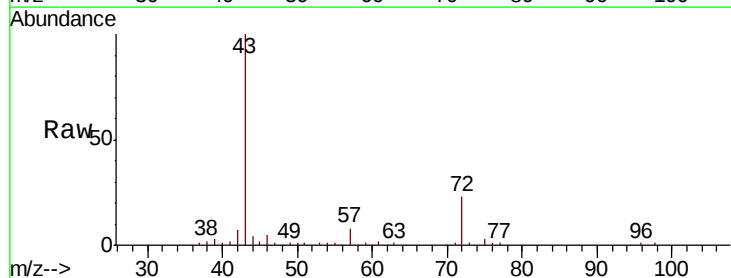
Instrument :
 MSVOA_V
 ClientSampled :

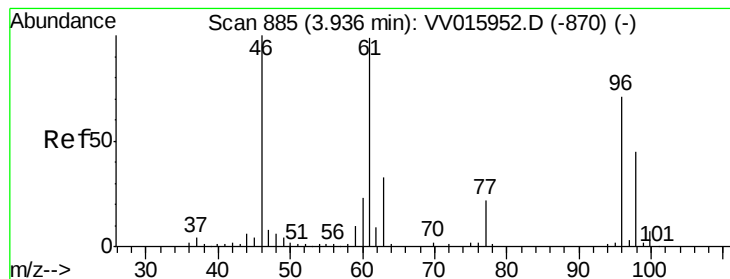
Tot Ion: 63 Resp: 93140
 Ion Ratio Lower Upper
 63 100
 65 31.1 22.0 41.0
 83 13.1 9.8 18.2



#21
 2-Butanone
 Concen: 56.621 ug/L
 RT: 4.00 min Scan# 905
 Delta R.T. -0.02 min
 Lab File: VV015978.D
 Acq: 08 May 2020 20:13

Tgt Ion: 43 Resp: 124501
 Ion Ratio Lower Upper
 43 100
 72 23.4 10.5 31.5



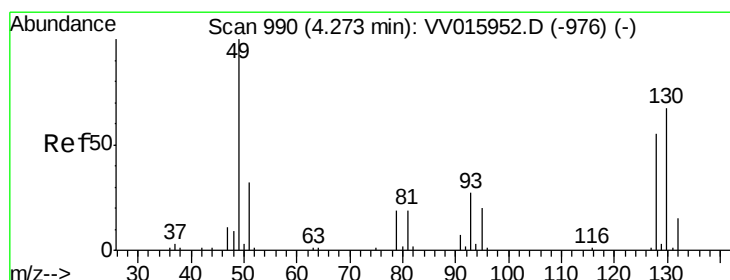
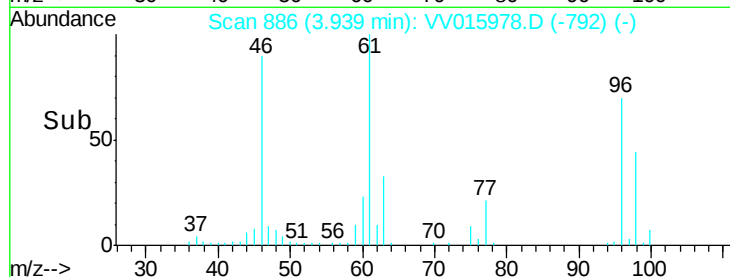
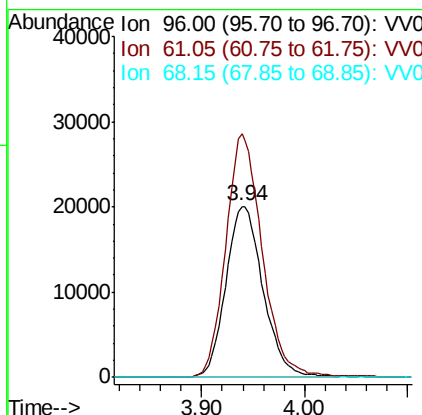
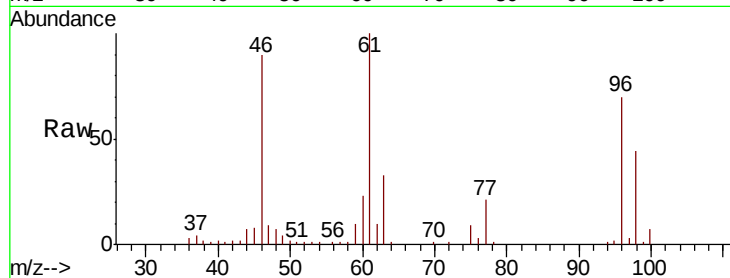


#22

cis-1,2-Dichloroethene
Concen: 5.587 ug/L
RT: 3.94 min Scan# 886
Delta R.T. 0.00 min
Lab File: VV015978.D
Acq: 08 May 2020 20:13

Instrument :
MSVOA_V
ClientSampleId :

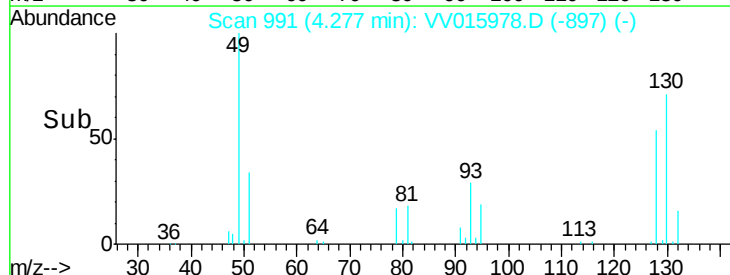
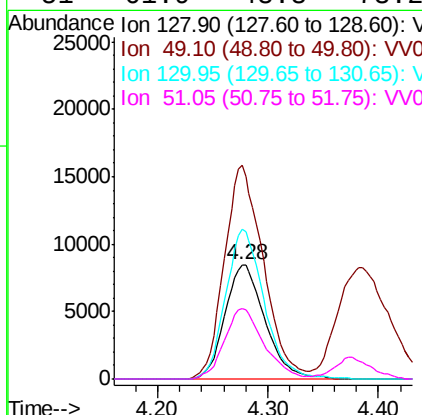
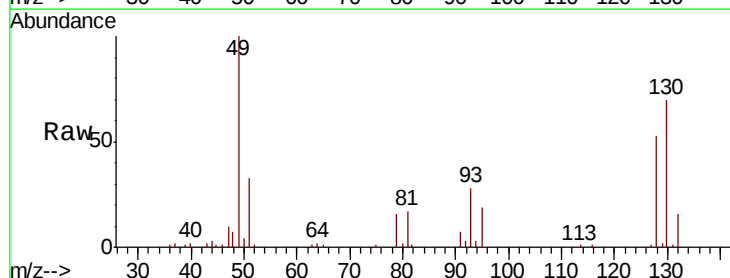
Tot Ion: 96 Resp: 50307
Ion Ratio Lower Upper
96 100
61 142.6 97.2 180.6
68 0.0 0.0 0.0

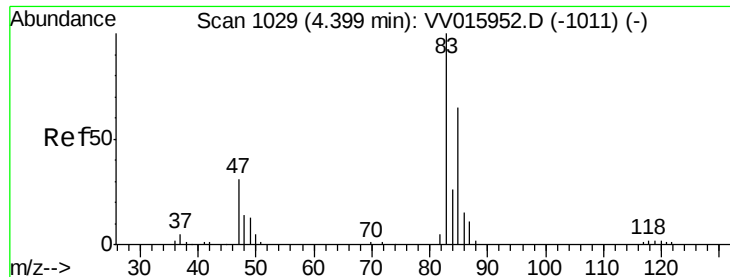


#23

Bromochloromethane
Concen: 5.531 ug/L
RT: 4.28 min Scan# 991
Delta R.T. 0.00 min
Lab File: VV015978.D
Acq: 08 May 2020 20:13

Tgt Ion: 128 Resp: 21256
Ion Ratio Lower Upper
128 100
49 187.0 131.3 243.8
130 131.0 91.8 170.4
51 61.9 48.8 73.2

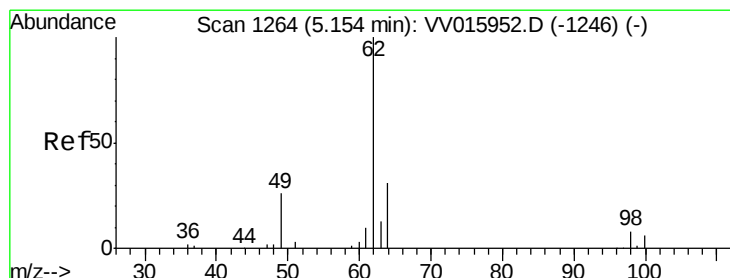
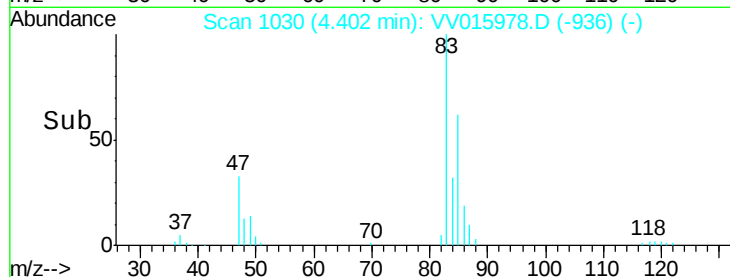
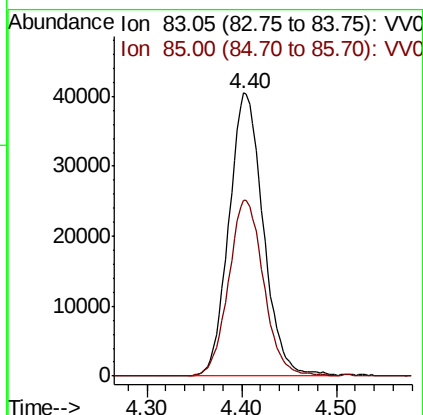
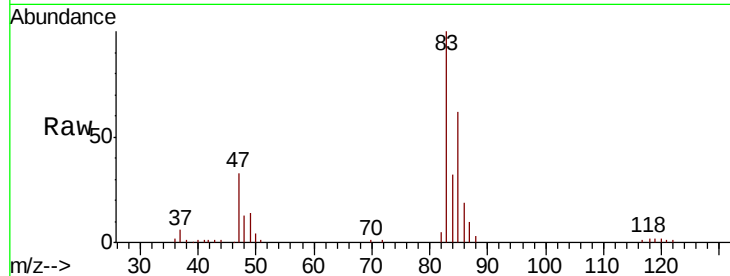




#25
Chloroform
Concen: 5.599 ug/L
RT: 4.40 min Scan# 1030
Delta R.T. 0.00 min
Lab File: VV015978.D
Acq: 08 May 2020 20:13

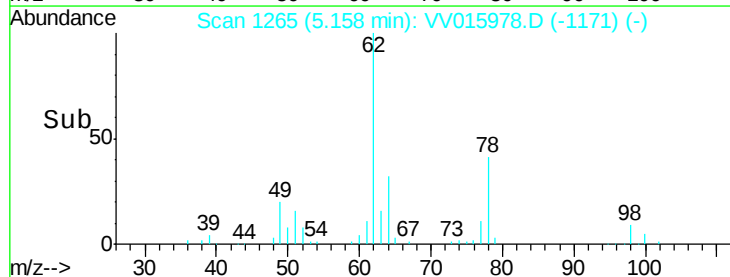
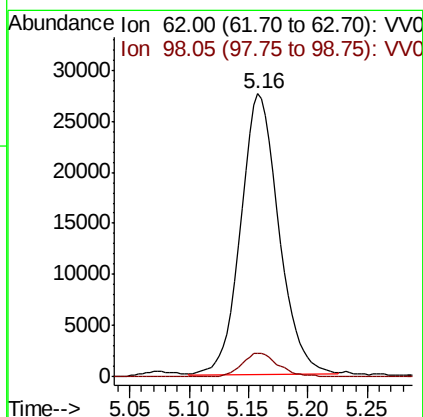
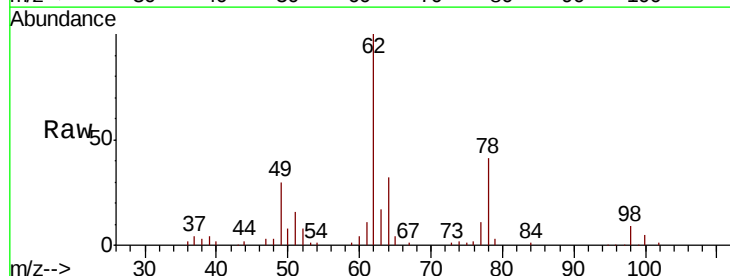
Instrument :
MSVOA_V
ClientSampleId :

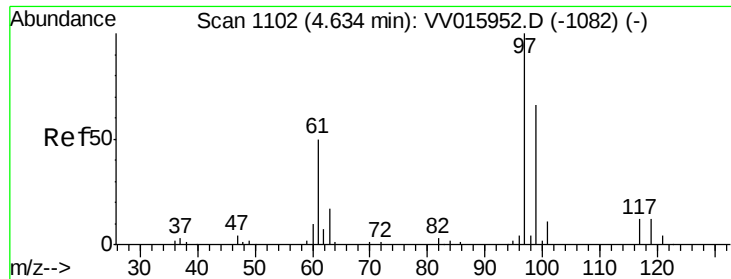
Tot Ion: 83 Resp: 102161
Ion Ratio Lower Upper
83 100
85 62.1 45.7 84.9



#27
1,2-Dichloroethane
Concen: 5.451 ug/L
RT: 5.16 min Scan# 1265
Delta R.T. 0.00 min
Lab File: VV015978.D
Acq: 08 May 2020 20:13

Tgt Ion: 62 Resp: 61112
Ion Ratio Lower Upper
62 100
98 8.5 6.7 10.1

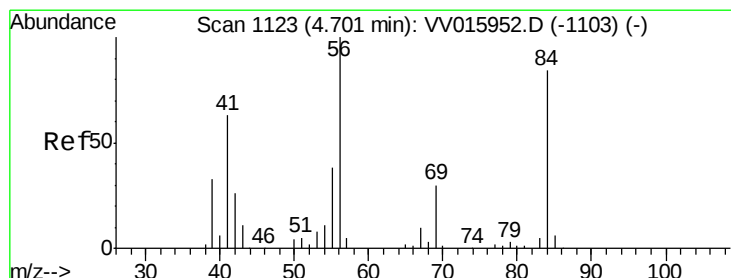
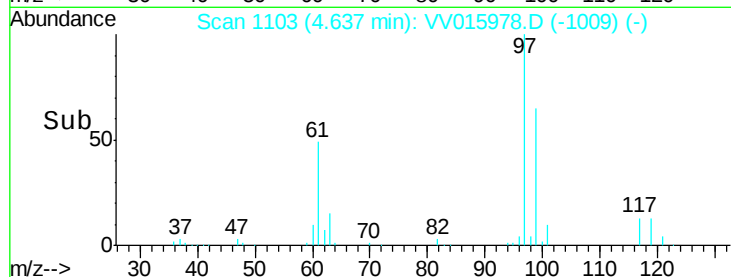
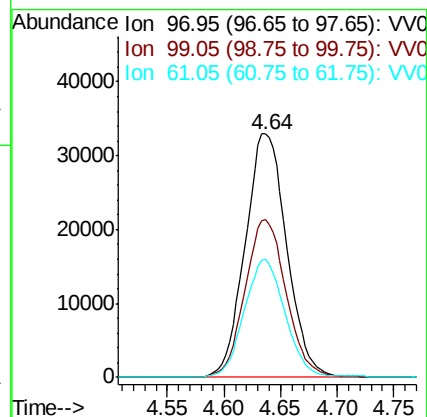
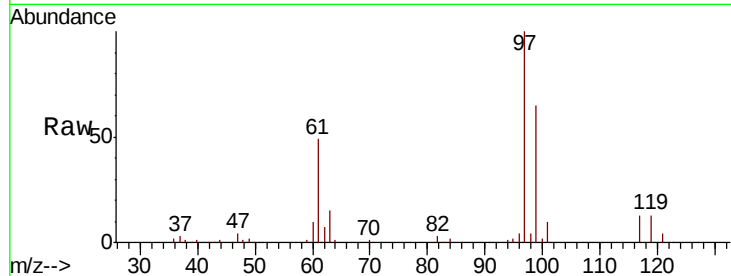




#29
 1,1,1-Trichloroethane
 Concen: 5.487 ug/L
 RT: 4.64 min Scan# 1103
 Delta R.T. 0.00 min
 Lab File: VV015978.D
 Acq: 08 May 2020 20:13

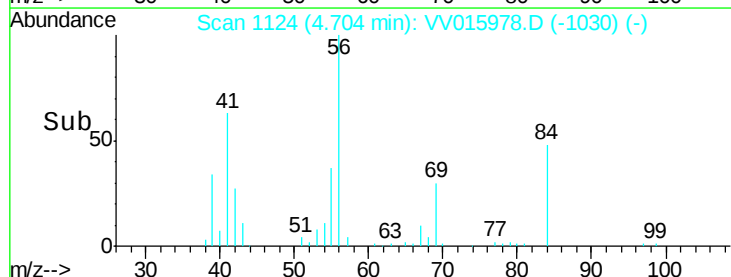
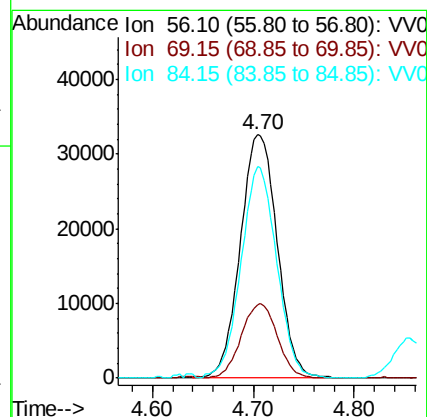
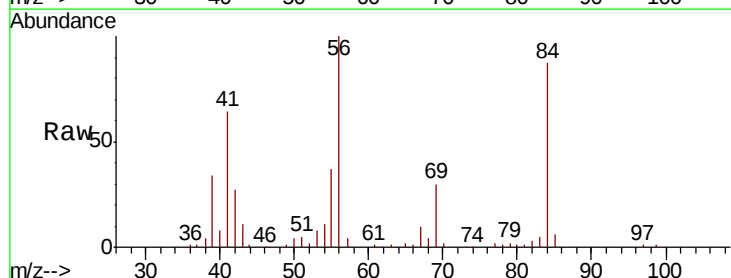
Instrument :
 MSVOA_V
 ClientSampleId :

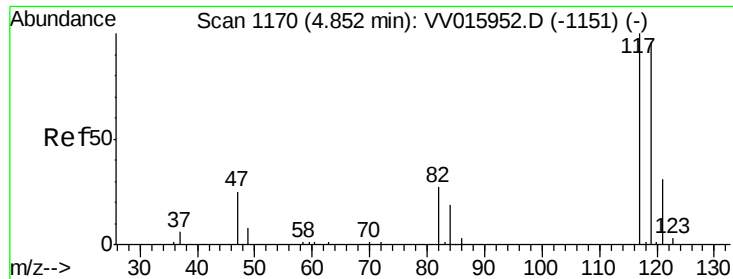
Tot Ion: 97 Resp: 84371
 Ion Ratio Lower Upper
 97 100
 99 63.9 50.7 76.1
 61 47.6 38.8 58.2



#30
 Cyclohexane
 Concen: 5.372 ug/L
 RT: 4.70 min Scan# 1124
 Delta R.T. 0.00 min
 Lab File: VV015978.D
 Acq: 08 May 2020 20:13

Tgt Ion: 56 Resp: 82786
 Ion Ratio Lower Upper
 56 100
 69 29.9 24.2 36.2
 84 84.2 68.3 102.5

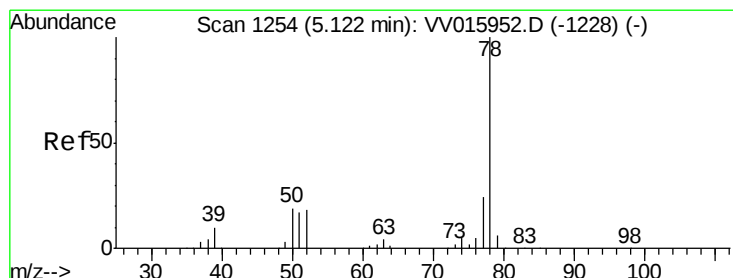
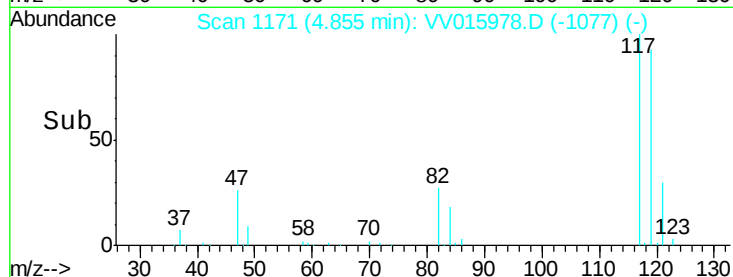
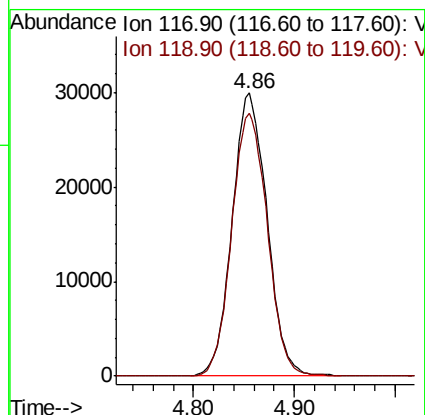
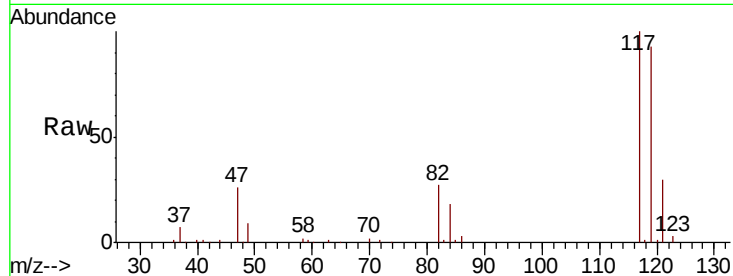




#31
Carbon tetrachloride
Concen: 5.415 ug/L
RT: 4.86 min Scan# 1171
Delta R.T. 0.00 min
Lab File: VV015978.D
Acq: 08 May 2020 20:13

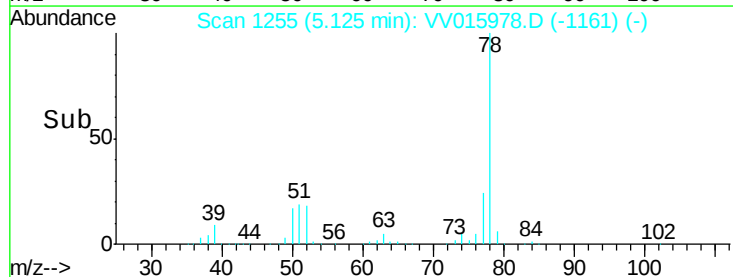
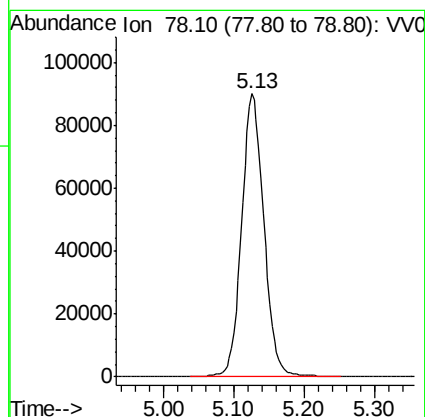
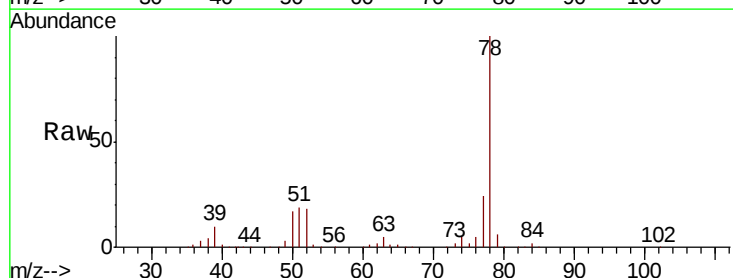
Instrument :
MSVOA_V
ClientSampleId :

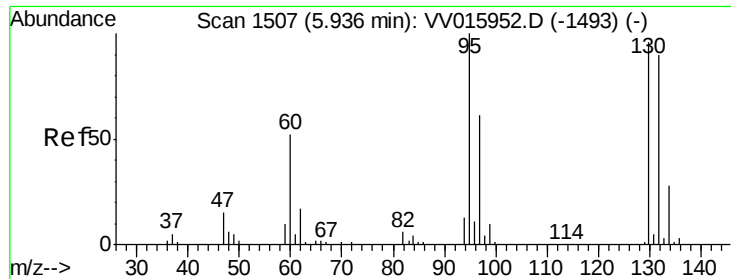
Tot Ion:117 Resp: 71858
Ion Ratio Lower Upper
117 100
119 94.8 77.3 115.9



#33
Benzene
Concen: 5.657 ug/L
RT: 5.13 min Scan# 1255
Delta R.T. 0.00 min
Lab File: VV015978.D
Acq: 08 May 2020 20:13

Tgt Ion: 78 Resp: 198469

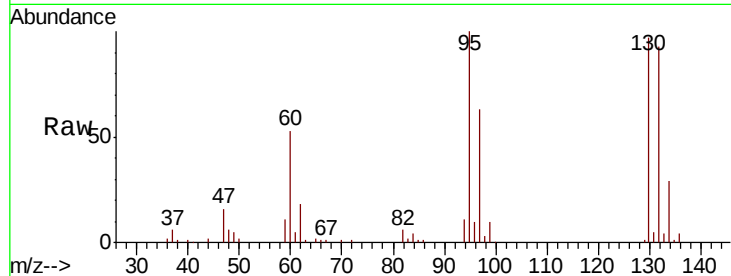




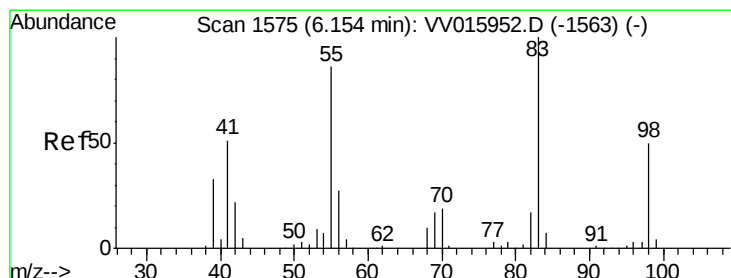
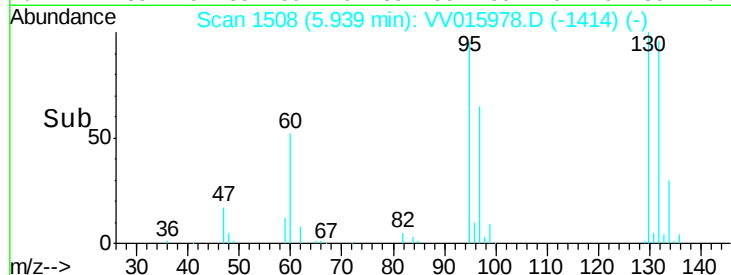
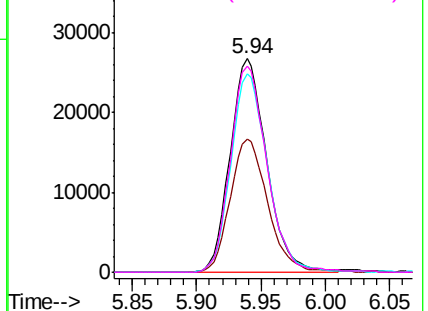
#34
 Trichloroethene
 Concen: 5.259 ug/L
 RT: 5.94 min Scan# 1508
 Delta R.T. 0.00 min
 Lab File: VV015978.D
 Acq: 08 May 2020 20:13

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion: 95 Resp: 52659
 Ion Ratio Lower Upper
 95 100
 97 62.6 43.3 80.5
 132 93.0 60.3 112.1
 130 96.6 66.0 122.6

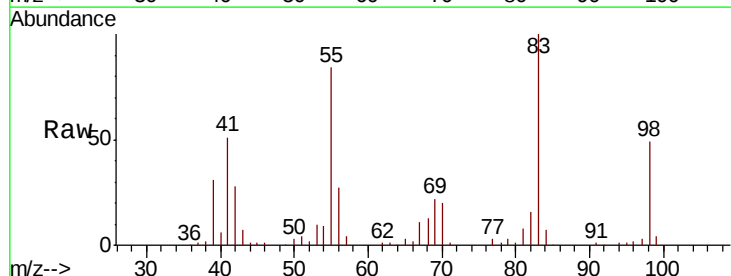


Abundance Ion 95.00 (94.70 to 95.70): VV0
 Ion 96.95 (96.65 to 97.65): VV0
 Ion 131.95 (131.65 to 132.65): VV0
 Ion 129.95 (129.65 to 130.65): VV0

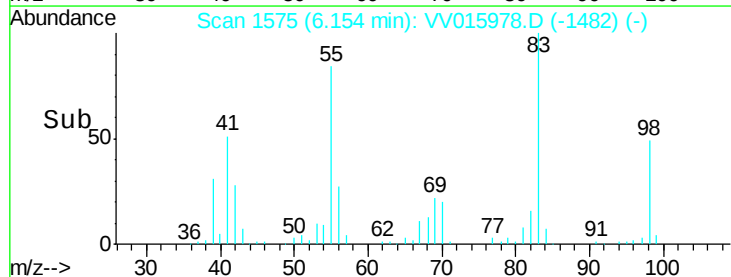
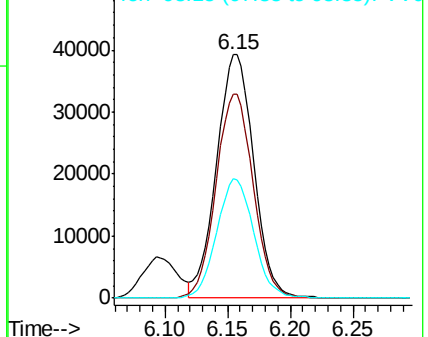


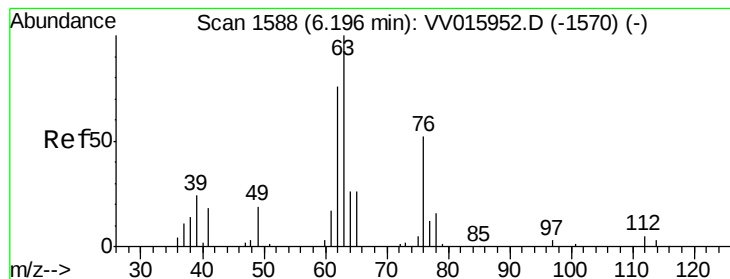
#35
 Methylcyclohexane
 Concen: 5.343 ug/L
 RT: 6.15 min Scan# 1575
 Delta R.T. -0.00 min
 Lab File: VV015978.D
 Acq: 08 May 2020 20:13

Tgt Ion: 83 Resp: 80933
 Ion Ratio Lower Upper
 83 100
 55 83.7 66.2 99.2
 98 48.8 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: 5.776 ug/L

RT: 6.20 min Scan# 1589

Delta R.T. 0.00 min

Lab File: VV015978.D

Acq: 08 May 2020 20:13

Instrument :

MSVOA_V

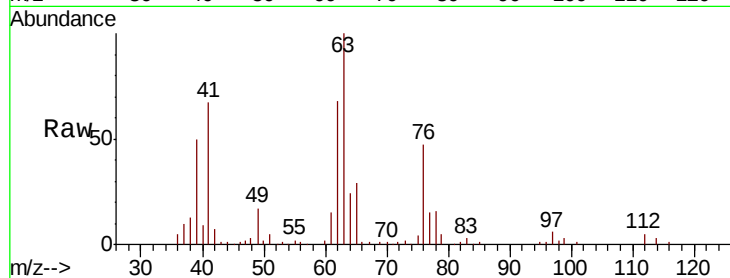
ClientSampled :

Tot Ion: 63 Resp: 51483

Ion Ratio Lower Upper

63 100

112 4.5 3.4 5.0

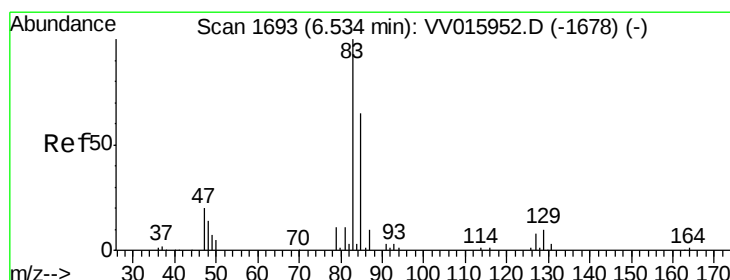
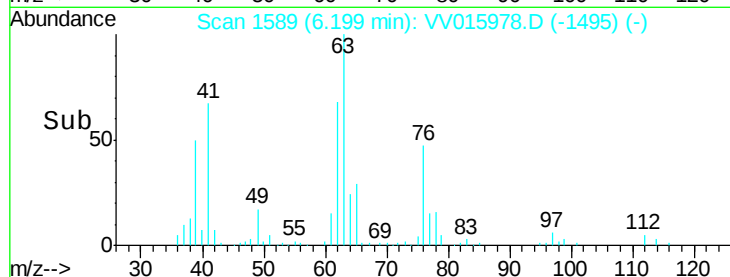


Abundance Ion 63.10 (62.80 to 63.80): VV015952.D (-1570) (-)

Ion 112.10 (111.80 to 112.80): VV015952.D (-1570) (-)

6.20

Time-->



#38

Bromodichloromethane

Concen: 5.462 ug/L

RT: 6.53 min Scan# 1693

Delta R.T. -0.00 min

Lab File: VV015978.D

Acq: 08 May 2020 20:13

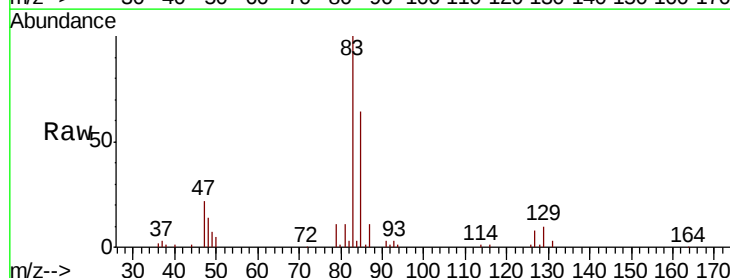
Tgt Ion: 83 Resp: 61828

Ion Ratio Lower Upper

83 100

85 63.9 45.5 84.5

127 8.2 6.2 9.4



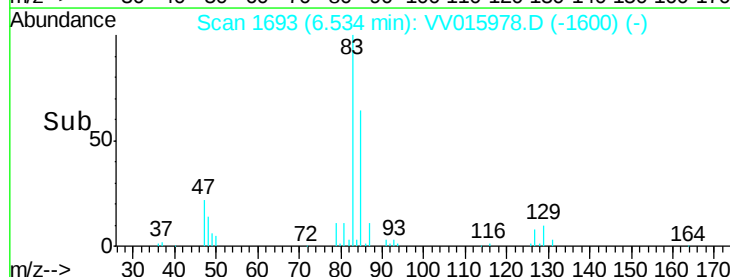
Abundance Ion 82.95 (82.65 to 83.65): VV015952.D (-1678) (-)

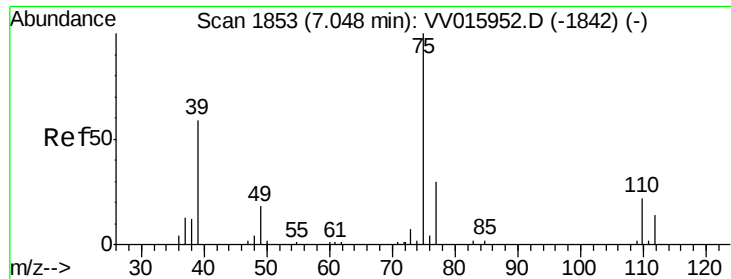
Ion 85.00 (84.70 to 85.70): VV015952.D (-1678) (-)

Ion 126.90 (126.60 to 127.60): VV015952.D (-1678) (-)

6.53

Time-->

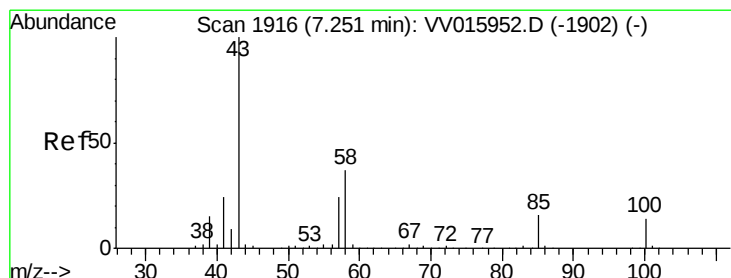
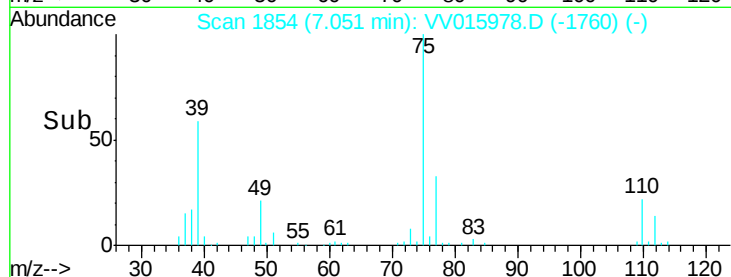
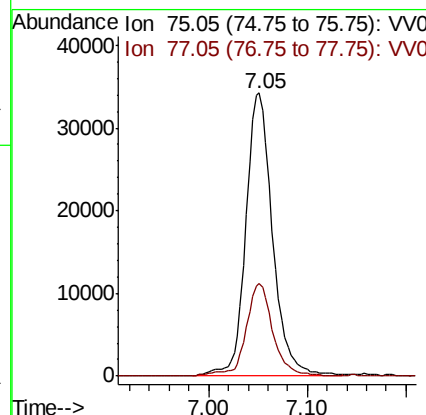
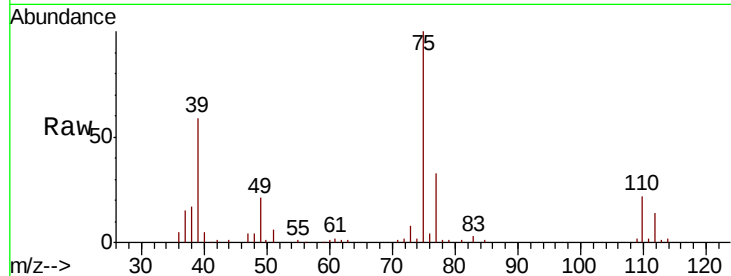




#39
 cis-1,3-Dichloropropene
 Concen: 5.113 ug/L
 RT: 7.05 min Scan# 1854
 Delta R.T. 0.00 min
 Lab File: VV015978.D
 Acq: 08 May 2020 20:13

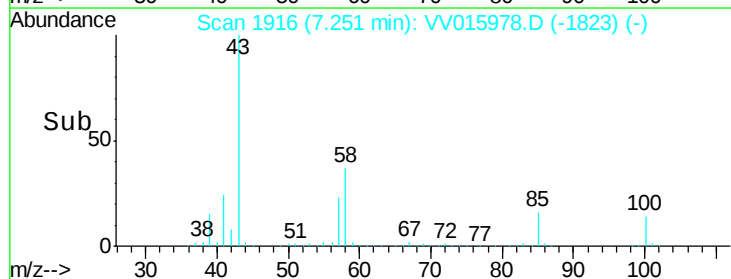
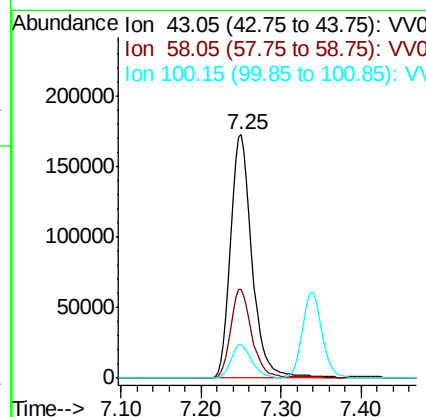
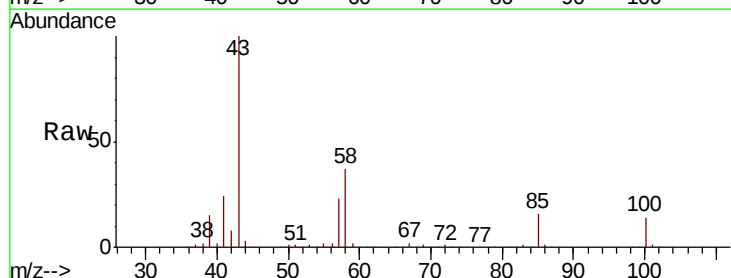
Instrument :
 MSVOA_V
 ClientSampleId :

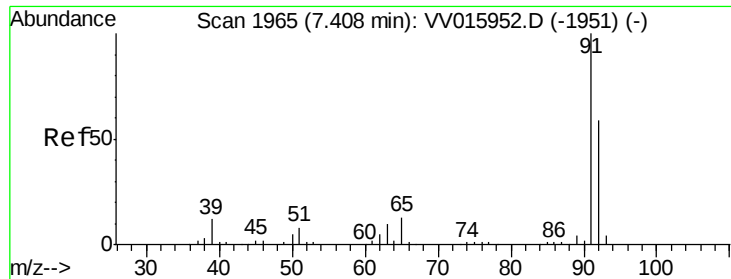
Tot Ion: 75 Resp: 64419
 Ion Ratio Lower Upper
 75 100
 77 32.7 21.3 39.5



#40
 4-Methyl-2-pentanone
 Concen: 57.425 ug/L
 RT: 7.25 min Scan# 1916
 Delta R.T. -0.00 min
 Lab File: VV015978.D
 Acq: 08 May 2020 20:13

Tgt Ion: 43 Resp: 319031
 Ion Ratio Lower Upper
 43 100
 58 35.7 29.0 43.4
 100 13.4 10.9 16.3





#42

Toluene

Concen: 5.657 ug/L

RT: 7.41 min Scan# 1966

Delta R.T. 0.00 min

Lab File: VV015978.D

Acq: 08 May 2020 20:13

Instrument :

MSVOA_V

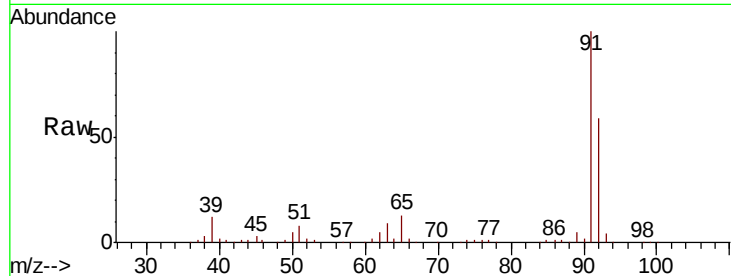
ClientSampled :

Tot Ion: 91 Resp: 210360

Ion Ratio Lower Upper

91 100

92 59.0 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) (-)

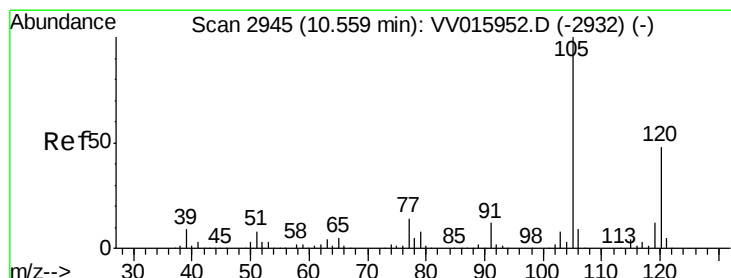
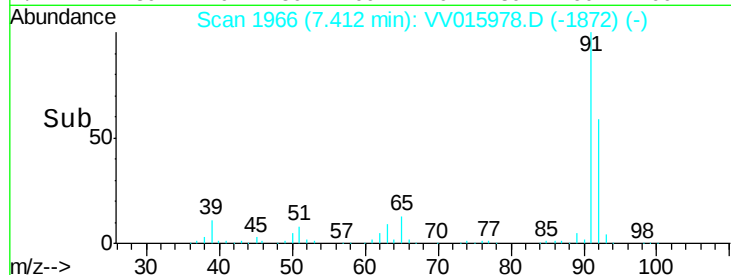
7.41

100000

50000

0

Time-->



#43

1,3,5-Trimethylbenzene

Concen: 5.589 ug/L

RT: 10.56 min Scan# 2945

Delta R.T. -0.00 min

Lab File: VV015978.D

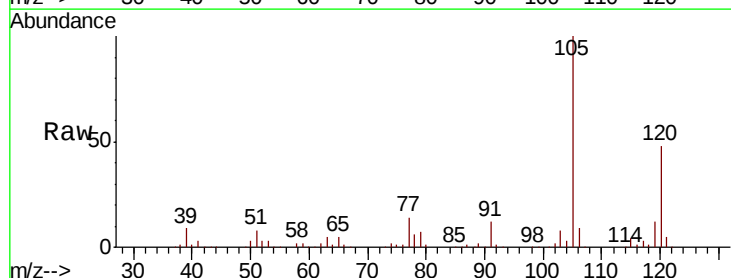
Acq: 08 May 2020 20:13

Tgt Ion: 105 Resp: 190804

Ion Ratio Lower Upper

105 100

120 47.7 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

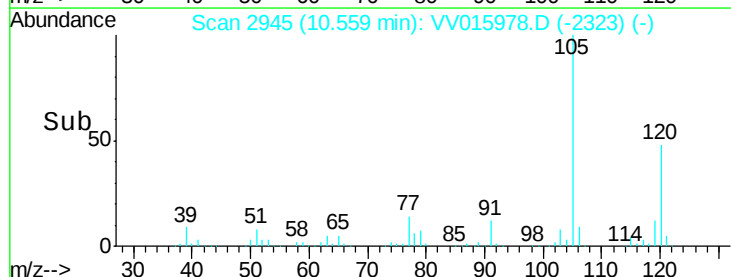
150000

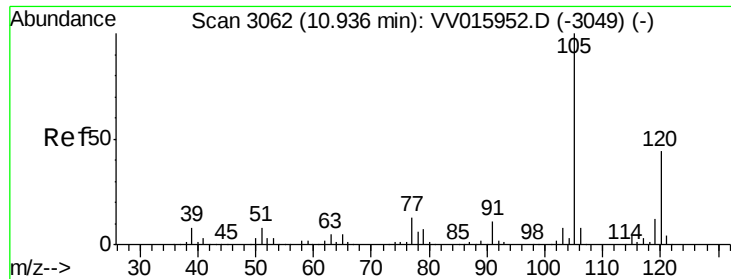
100000

50000

0

Time-->

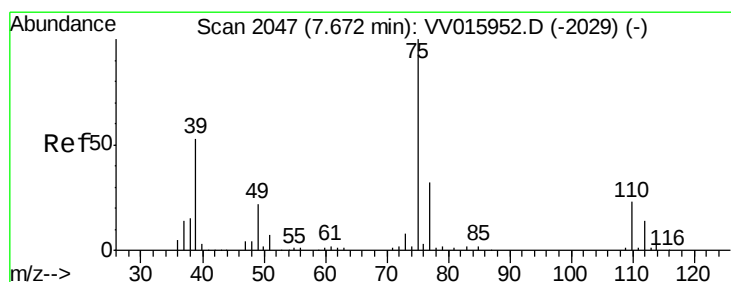
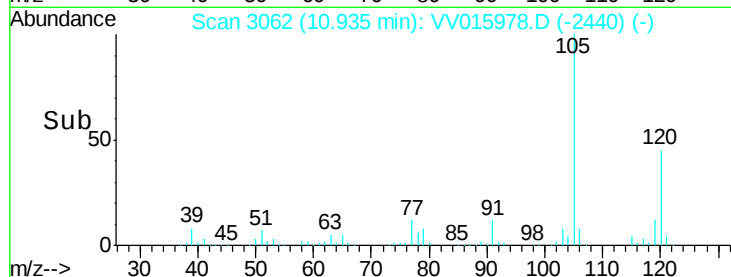
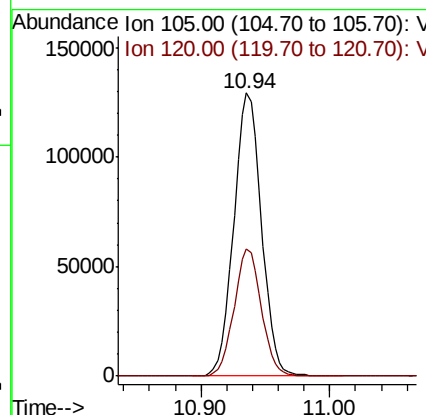
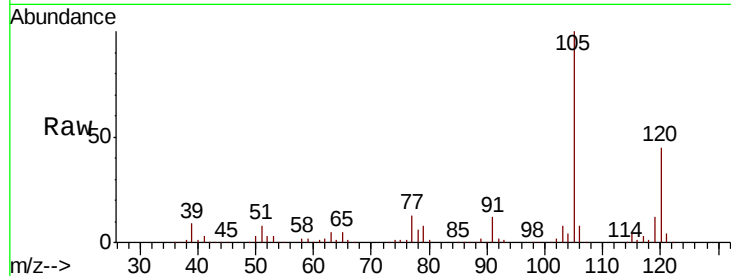




#44
 1,2,4-Trimethylbenzene
 Concen: 5.632 ug/L
 RT: 10.94 min Scan# 3062
 Delta R.T. -0.00 min
 Lab File: VV015978.D
 Acq: 08 May 2020 20:13

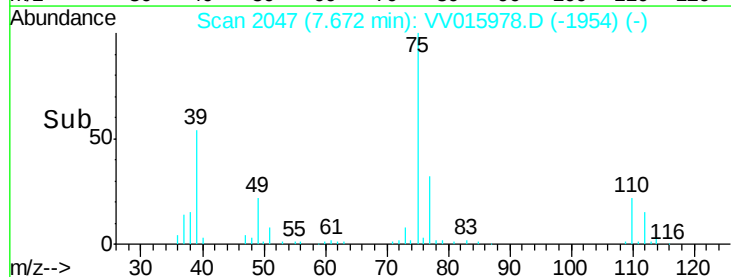
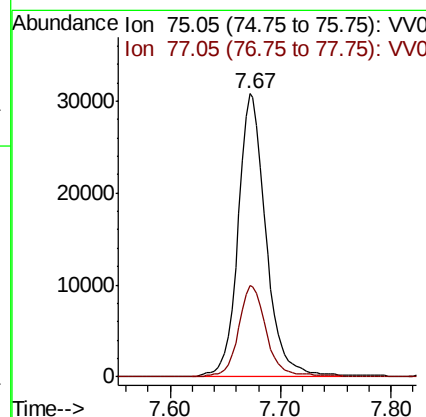
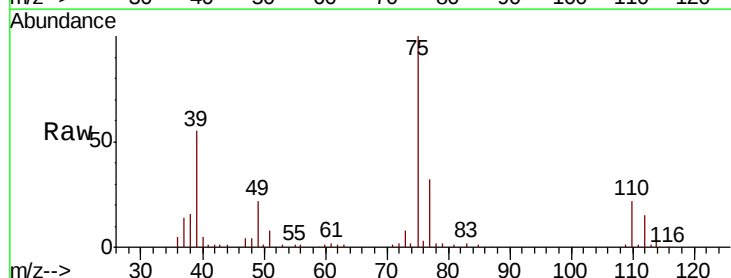
Instrument :
 MSVOA_V
 ClientSampled :

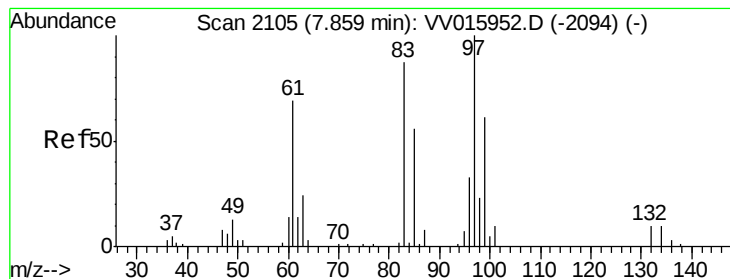
Tot Ion:105 Resp: 192116
 Ion Ratio Lower Upper
 105 100
 120 44.2 0.0 0.0#



#46
 trans-1,3-Dichloropropene
 Concen: 5.071 ug/L
 RT: 7.67 min Scan# 2047
 Delta R.T. -0.00 min
 Lab File: VV015978.D
 Acq: 08 May 2020 20:13

Tgt Ion: 75 Resp: 53963
 Ion Ratio Lower Upper
 75 100
 77 32.1 21.3 39.6





#47

1,1,2-Trichloroethane

Concen: 5.528 ug/L

RT: 7.86 min Scan# 2106

Delta R.T. 0.00 min

Lab File: VV015978.D

Acq: 08 May 2020 20:13

Instrument :

MSVOA_V

ClientSampled :

Tot Ion: 97 Resp: 32902

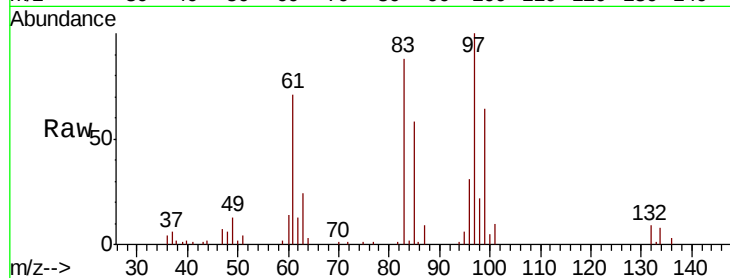
Ion Ratio Lower Upper

97 100

99 64.5 42.1 78.1

83 88.1 59.2 110.0

85 57.8 38.6 71.8



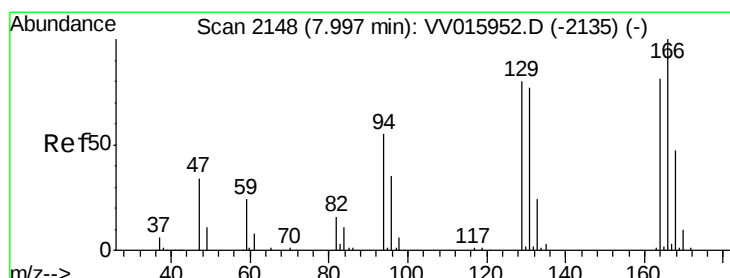
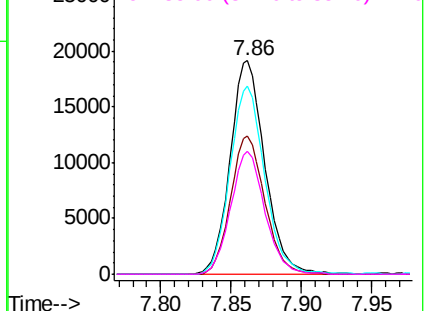
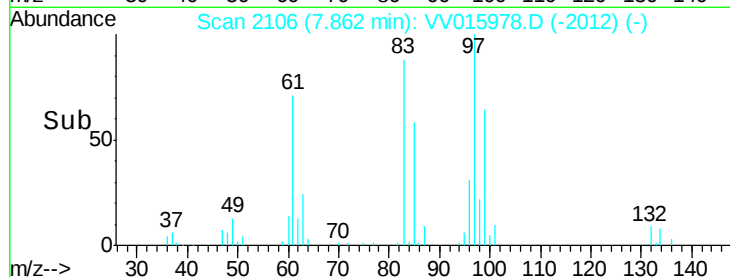
Abundance

Ion 96.95 (96.65 to 97.65): VV015978.D (-2012) (-)

Ion 99.05 (98.75 to 99.75): VV015978.D (-2012) (-)

Ion 82.95 (82.65 to 83.65): VV015978.D (-2012) (-)

Ion 85.00 (84.70 to 85.70): VV015978.D (-2012) (-)



#49

Tetrachloroethene

Concen: 5.520 ug/L

RT: 8.00 min Scan# 2148

Delta R.T. -0.00 min

Lab File: VV015978.D

Acq: 08 May 2020 20:13

Tgt Ion: 164 Resp: 38572

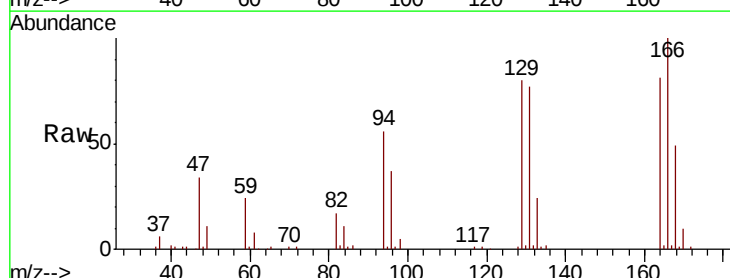
Ion Ratio Lower Upper

164 100

129 98.8 69.7 129.4

131 95.6 66.8 124.2

166 124.0 89.1 165.5



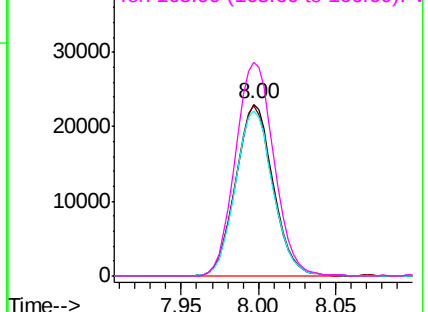
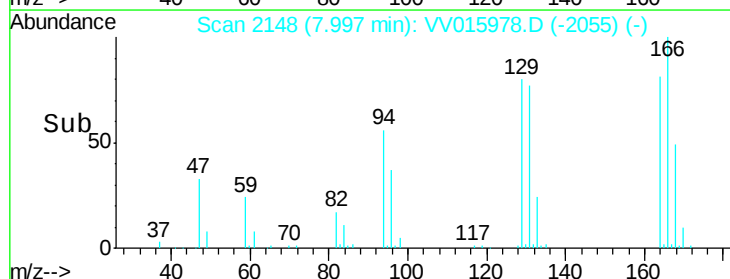
Abundance

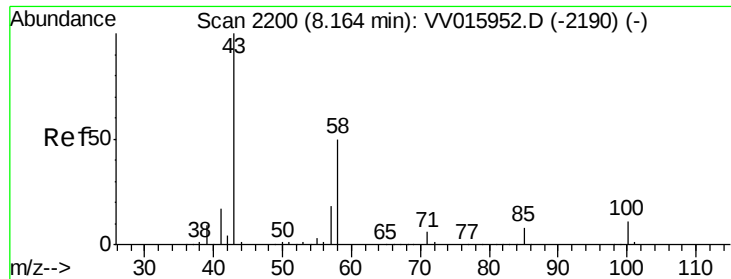
Ion 163.90 (163.60 to 164.60): VV015978.D (-2055) (-)

Ion 128.95 (128.65 to 129.65): VV015978.D (-2055) (-)

Ion 130.95 (130.65 to 131.65): VV015978.D (-2055) (-)

Ion 165.90 (165.60 to 166.60): VV015978.D (-2055) (-)

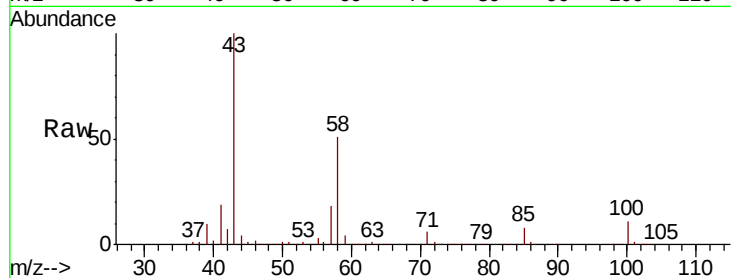




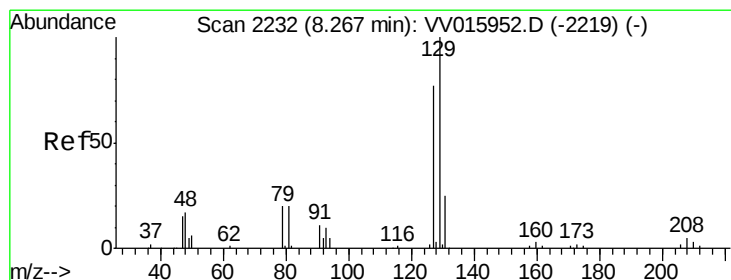
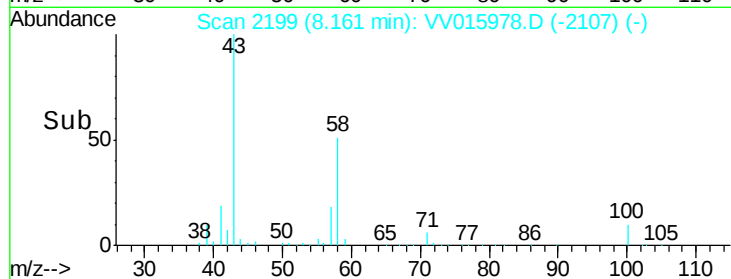
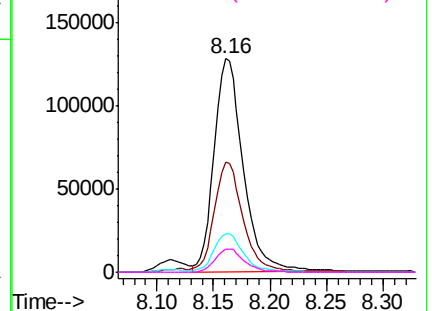
#50
2-Hexanone
Concen: 58.166 ug/L
RT: 8.16 min Scan# 2199
Delta R.T. -0.00 min
Lab File: VV015978.D
Acq: 08 May 2020 20:13

Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 43 Resp: 228519
Ion Ratio Lower Upper
43 100
58 51.0 40.8 61.2
57 18.6 14.7 22.1
100 11.1 9.0 13.6

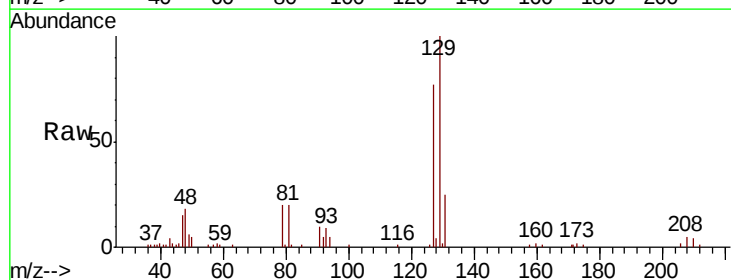


Abundance Ion 43.05 (42.75 to 43.75): VV0
Ion 58.05 (57.75 to 58.75): VV0
Ion 57.20 (56.90 to 57.90): VV0
Ion 100.15 (99.85 to 100.85): VV0

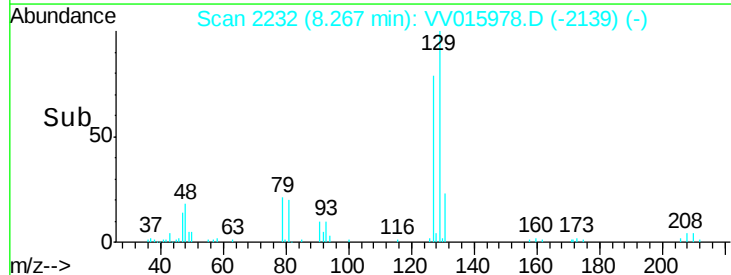
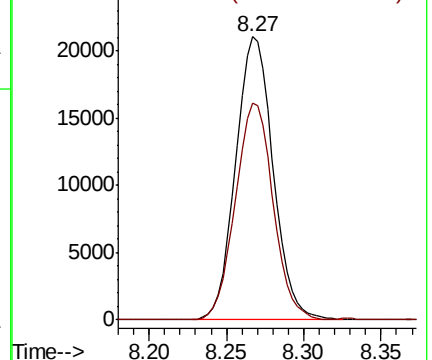


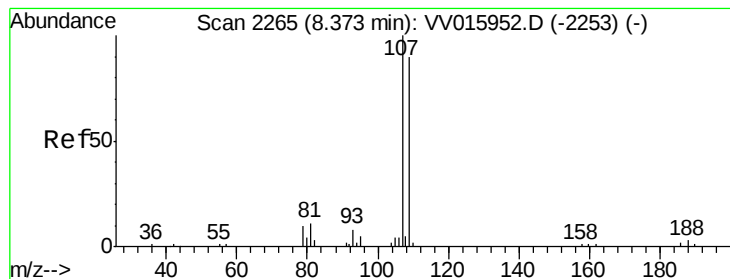
#51
Dibromochloromethane
Concen: 5.286 ug/L
RT: 8.27 min Scan# 2232
Delta R.T. -0.00 min
Lab File: VV015978.D
Acq: 08 May 2020 20:13

Tgt Ion: 129 Resp: 35353
Ion Ratio Lower Upper
129 100
127 76.5 56.0 104.0



Abundance Ion 128.95 (128.65 to 129.65): V
Ion 126.90 (126.60 to 127.60): V





#52

1,2-Dibromoethane

Concen: 5.718 ug/L

RT: 8.38 min Scan# 2266

Delta R.T. 0.00 min

Lab File: VV015978.D

Acq: 08 May 2020 20:13

Instrument :

MSVOA_V

ClientSampleId :

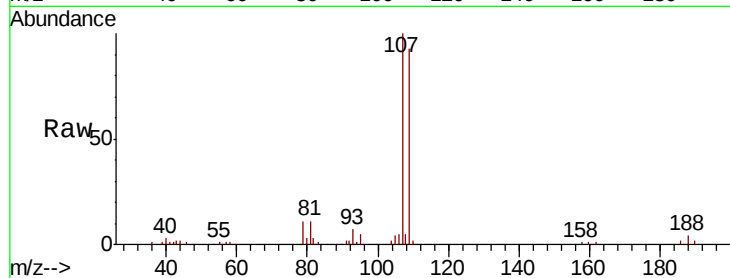
Tot Ion:107 Resp: 31565

Ion Ratio Lower Upper

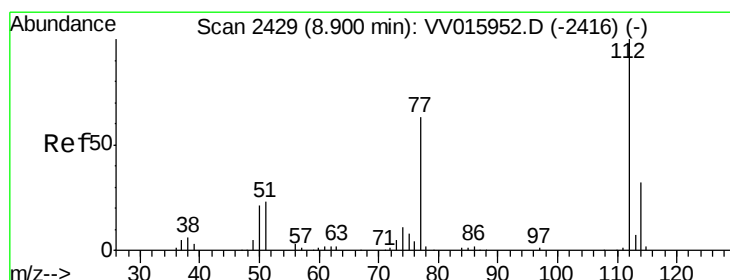
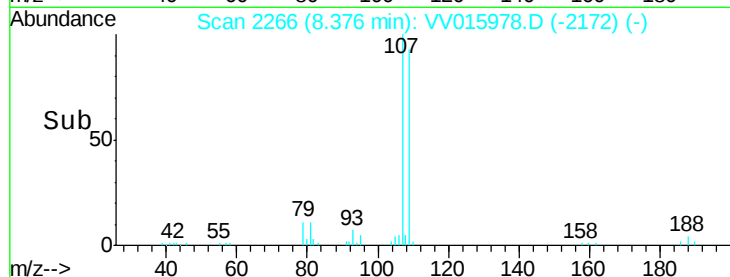
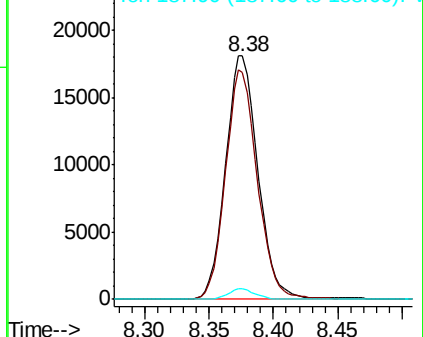
107 100

109 93.2 68.9 127.9

188 4.5 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: 5.506 ug/L

RT: 8.90 min Scan# 2430

Delta R.T. 0.00 min

Lab File: VV015978.D

Acq: 08 May 2020 20:13

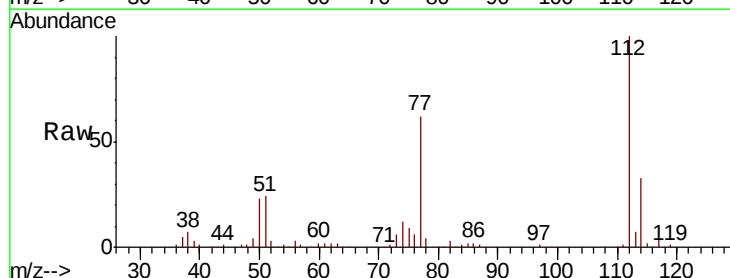
Tgt Ion:112 Resp: 131686

Ion Ratio Lower Upper

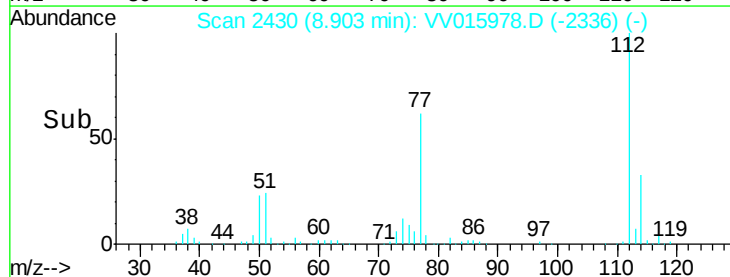
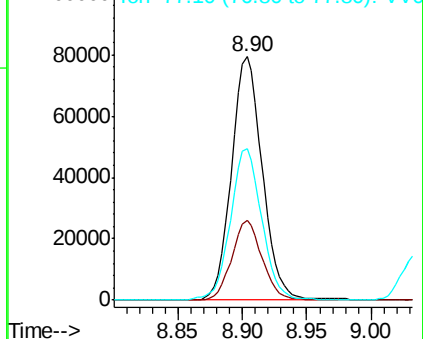
112 100

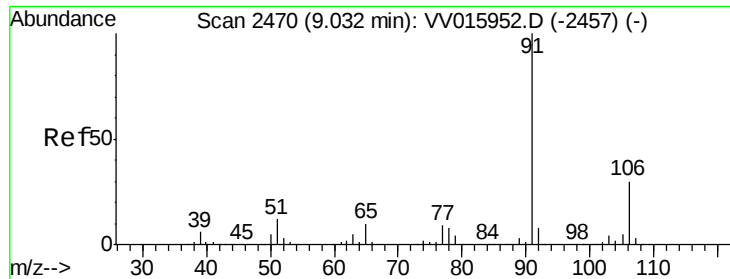
114 32.5 21.6 40.0

77 62.0 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: 5.577 ug/L

RT: 9.03 min Scan# 2470

Delta R.T. -0.00 min

Lab File: VV015978.D

Acq: 08 May 2020 20:13

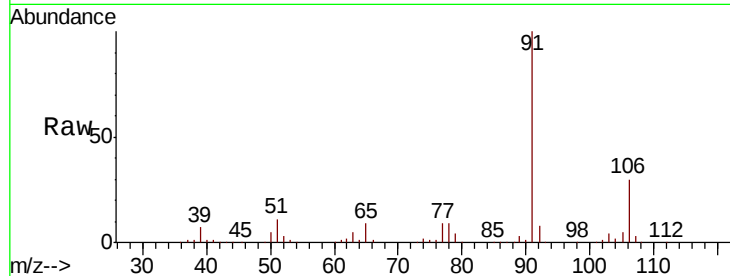
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 91 Resp: 235827

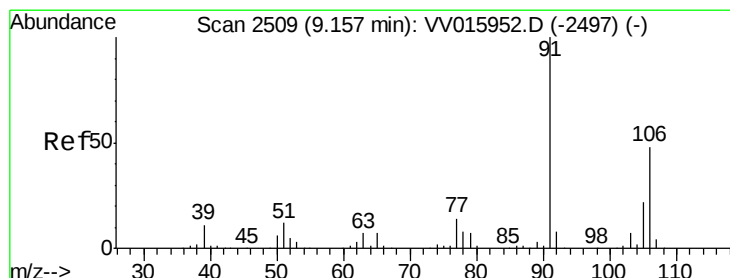
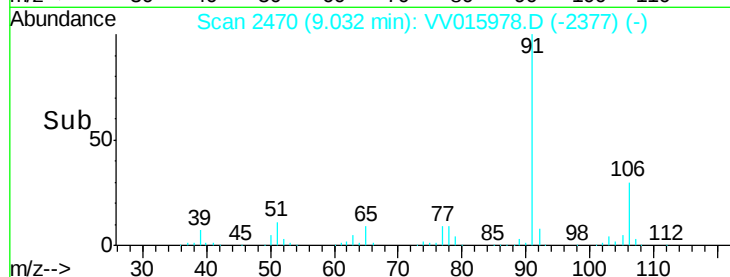
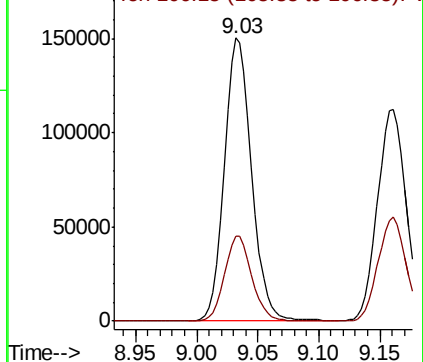
Ion Ratio Lower Upper

91 100

106 30.0 20.6 38.4



Abundance Ion 91.15 (90.85 to 91.85): VV015978.D (-2377) (-)



#55

m,p-xylene

Concen: 5.664 ug/L

RT: 9.16 min Scan# 2510

Delta R.T. 0.00 min

Lab File: VV015978.D

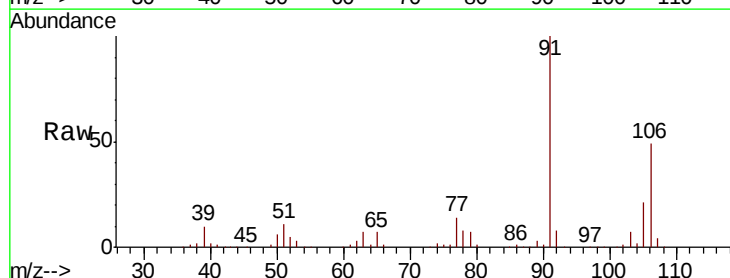
Acq: 08 May 2020 20:13

Tgt Ion:106 Resp: 88691

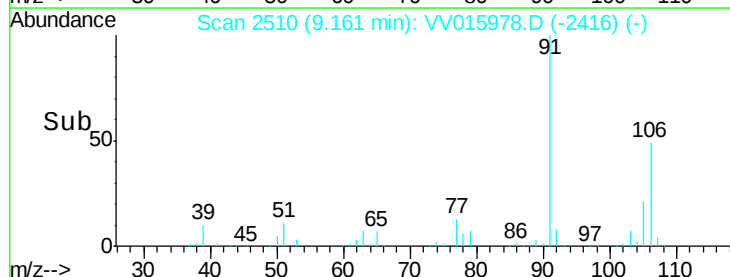
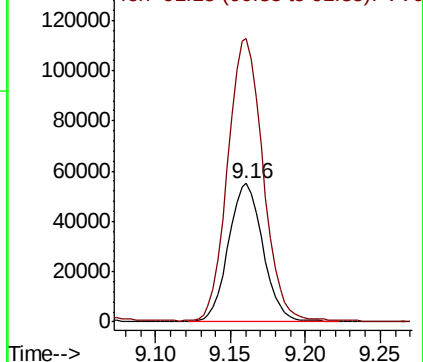
Ion Ratio Lower Upper

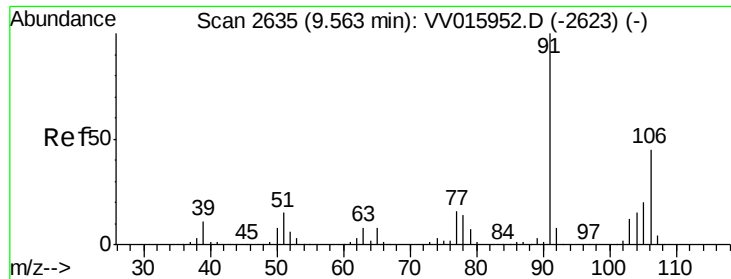
106 100

91 204.9 149.9 278.3



Abundance Ion 106.15 (105.85 to 106.85): VV015978.D (-2416) (-)

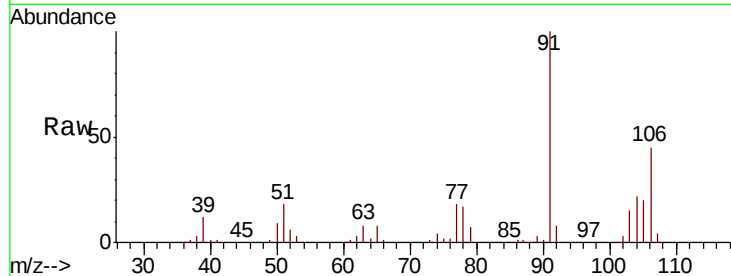




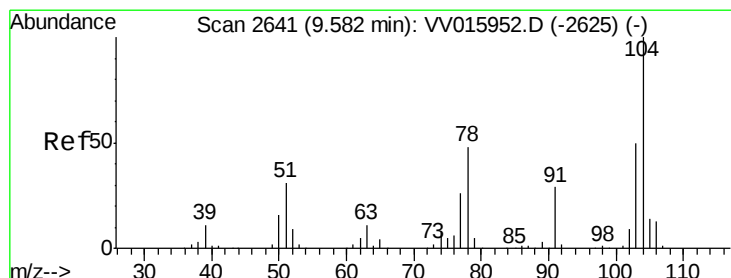
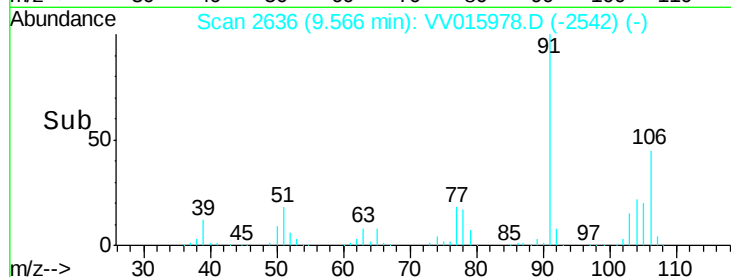
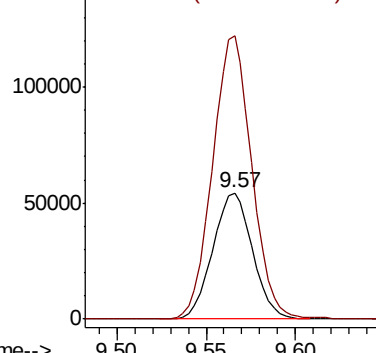
#56
o-xylene
Concen: 5.652 ug/L
RT: 9.57 min Scan# 2636
Delta R.T. 0.00 min
Lab File: VV015978.D
Acq: 08 May 2020 20:13

Instrument :
MSVOA_V
ClientSampled :

Tot Ion:106 Resp: 84609
Ion Ratio Lower Upper
106 100
91 224.1 159.7 296.5

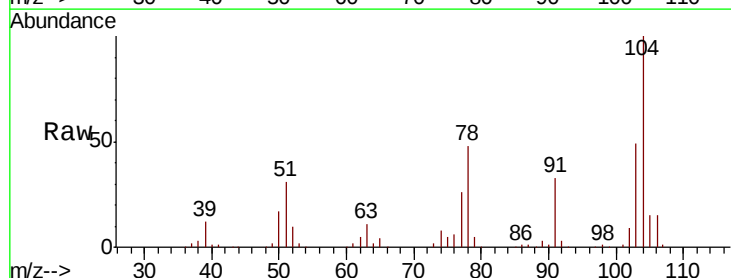


Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VV0

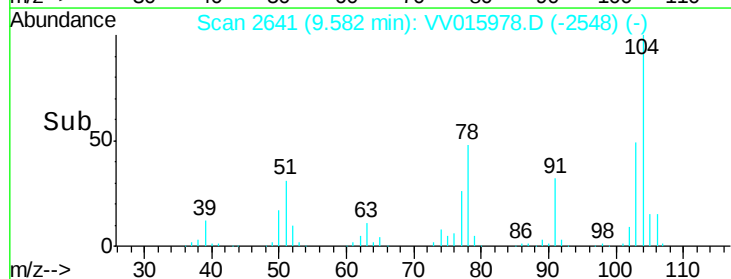
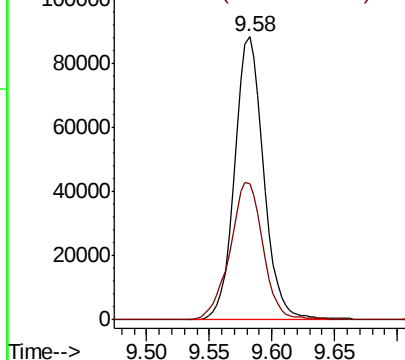


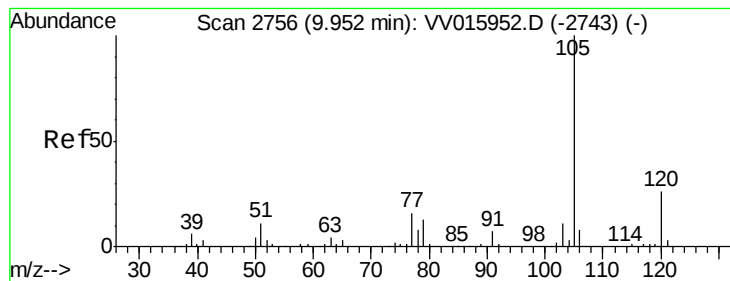
#57
Styrene
Concen: 5.690 ug/L
RT: 9.58 min Scan# 2641
Delta R.T. -0.00 min
Lab File: VV015978.D
Acq: 08 May 2020 20:13

Tgt Ion:104 Resp: 142465
Ion Ratio Lower Upper
104 100
78 48.3 33.9 63.0



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





#58

Isopropylbenzene

Concen: 5.546 ug/L

RT: 9.95 min Scan# 2756

Delta R.T. -0.00 min

Lab File: VV015978.D

Acq: 08 May 2020 20:13

Instrument :

MSVOA_V

ClientSampleId :

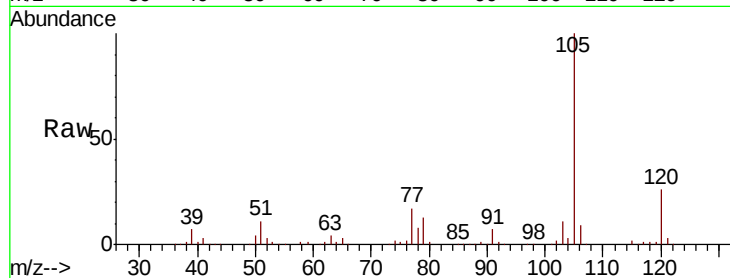
Tot Ion:105 Resp: 228102

Ion Ratio Lower Upper

105 100

120 25.7 20.8 31.2

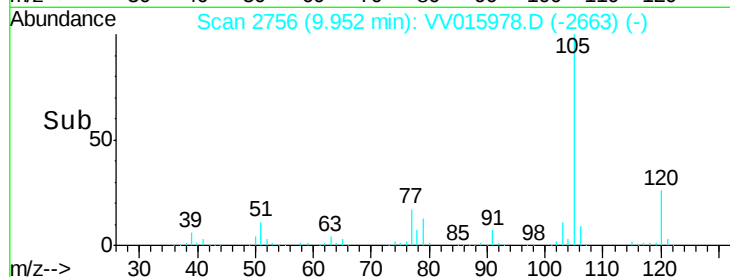
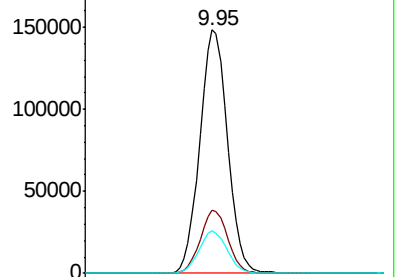
77 17.6 14.1 21.1



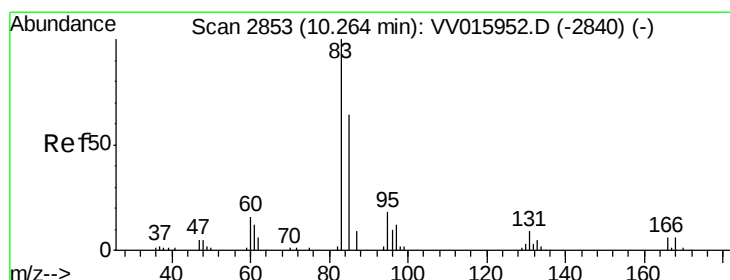
Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.10 (119.80 to 120.80): V

Ion 77.10 (76.80 to 77.80): V



Time-->



#60

1,1,2,2-Tetrachloroethane

Concen: 5.790 ug/L

RT: 10.26 min Scan# 2853

Delta R.T. -0.00 min

Lab File: VV015978.D

Acq: 08 May 2020 20:13

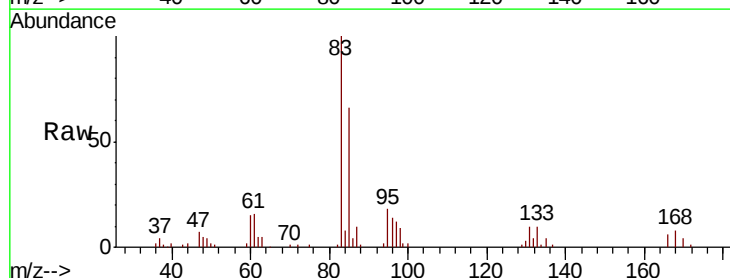
Tgt Ion: 83 Resp: 36825

Ion Ratio Lower Upper

83 100

85 66.4 44.0 81.6

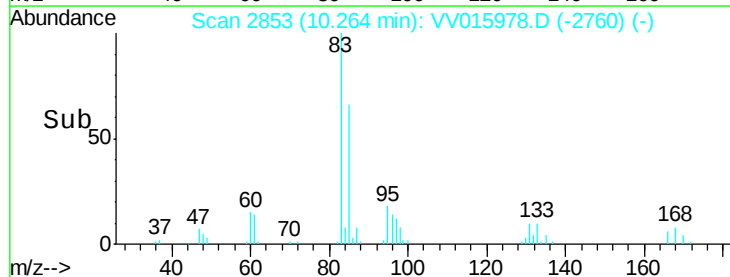
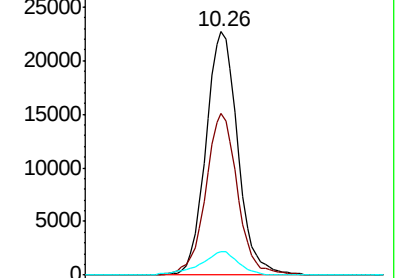
131 9.8 7.7 11.5



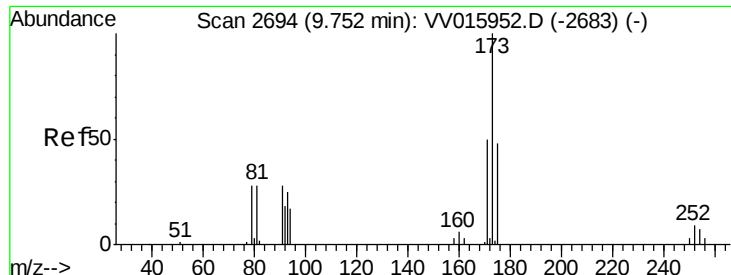
Abundance Ion 82.95 (82.65 to 83.65): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 130.95 (130.65 to 131.65): V



Time-->



#62

Bromoform

Concen: 4.762 ug/L

RT: 9.76 min Scan# 2695

Delta R.T. 0.00 min

Lab File: VV015978.D

Acq: 08 May 2020 20:13

Instrument :
MSVOA_V
ClientSampled :

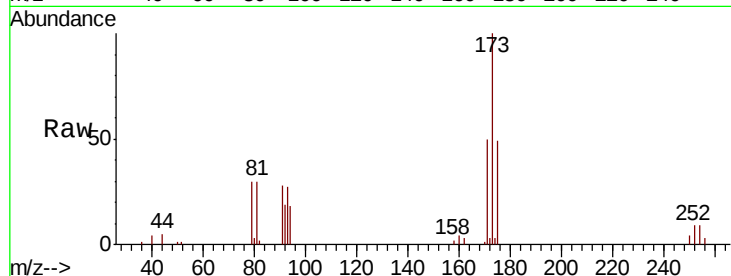
Tot Ion:173 Resp: 15594

Ion Ratio Lower Upper

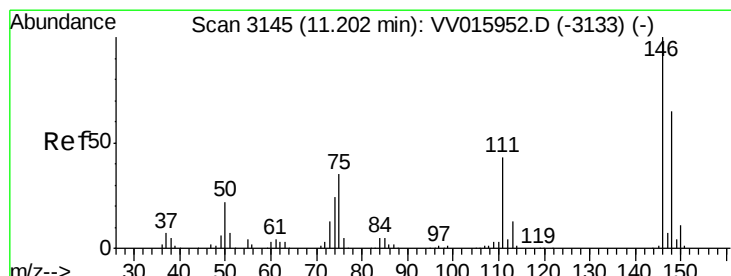
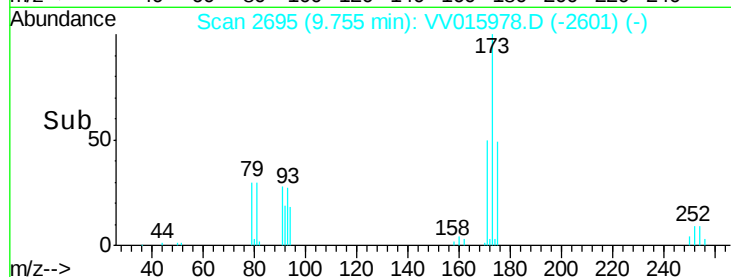
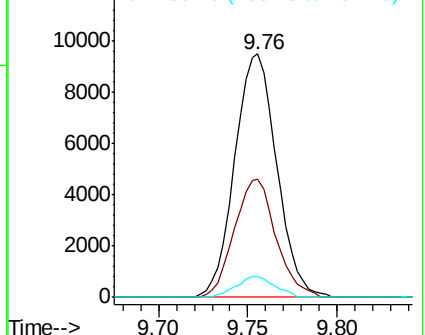
173 100

175 47.9 39.8 59.8

254 7.9 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: 5.461 ug/L

RT: 11.20 min Scan# 3145

Delta R.T. -0.00 min

Lab File: VV015978.D

Acq: 08 May 2020 20:13

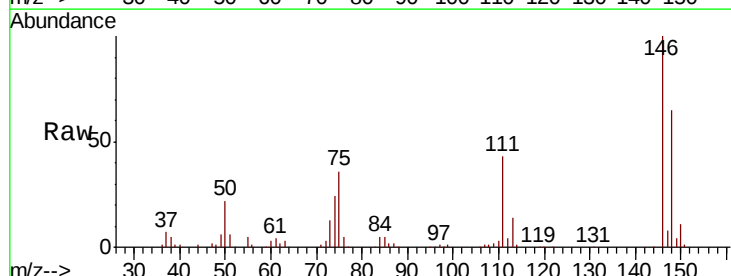
Tgt Ion:146 Resp: 104861

Ion Ratio Lower Upper

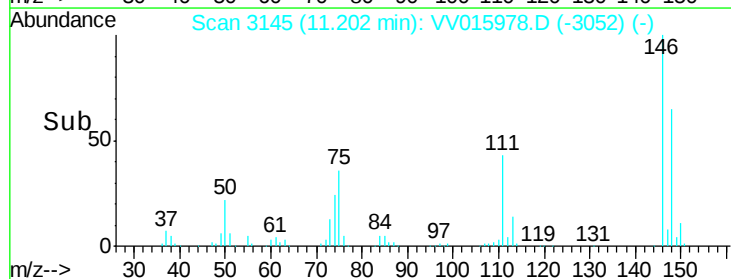
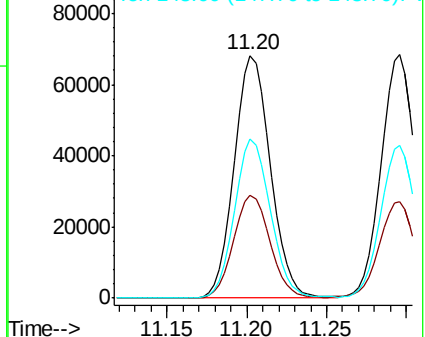
146 100

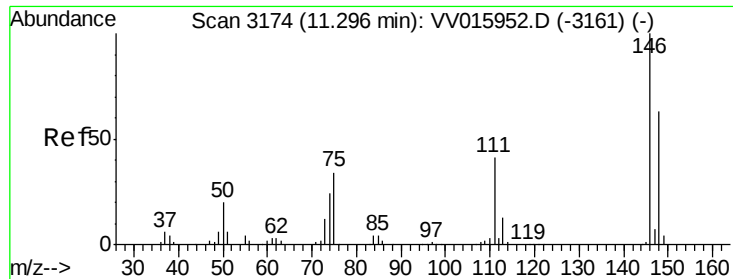
111 42.6 28.7 53.3

148 65.4 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: 5.358 ug/L

RT: 11.30 min Scan# 3174

Delta R.T. -0.00 min

Lab File: VV015978.D

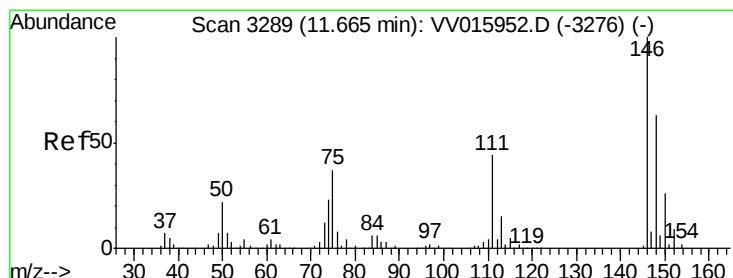
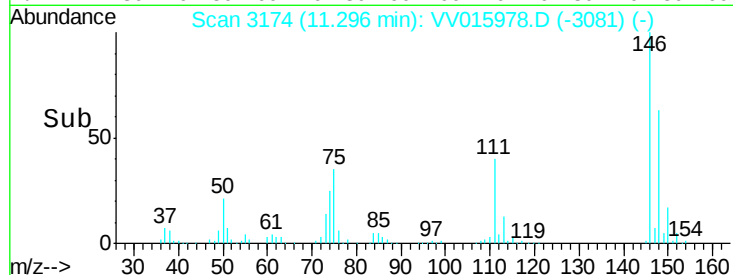
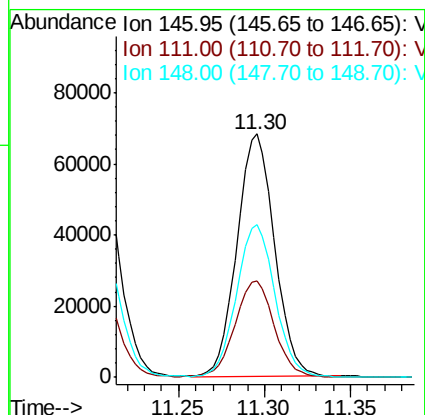
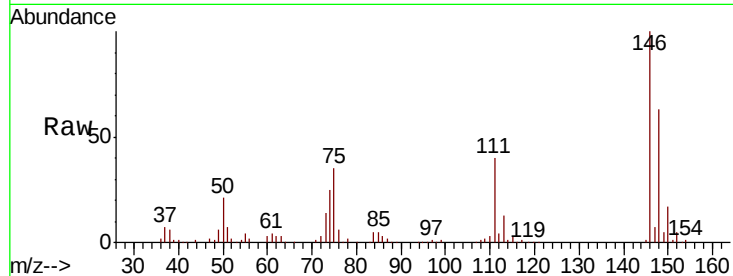
Acq: 08 May 2020 20:13

Instrument :

MSVOA_V

ClientSampleId :

Tot Ion:	146	Resp:	103373
Ion	Ratio	Lower	Upper
146	100		
111	39.7	28.9	53.7
148	62.8	44.6	82.8



#66

1,2-Dichlorobenzene

Concen: 5.523 ug/L

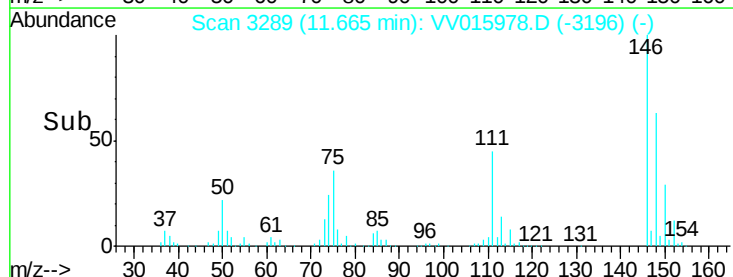
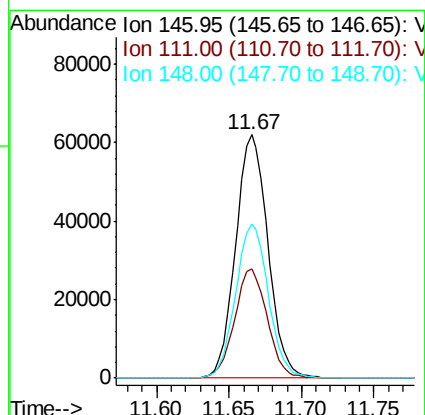
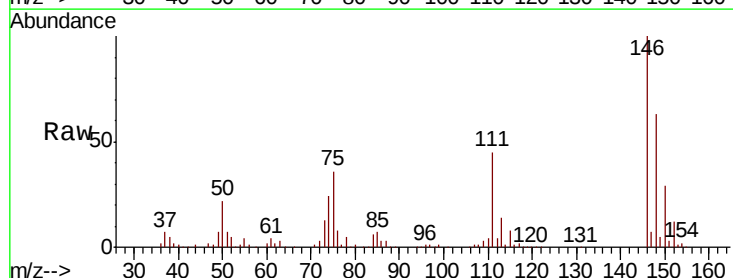
RT: 11.67 min Scan# 3289

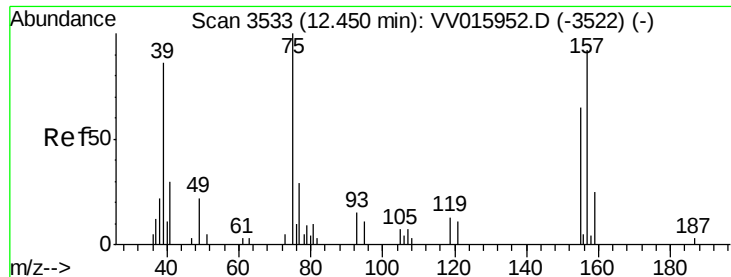
Delta R.T. -0.00 min

Lab File: VV015978.D

Acq: 08 May 2020 20:13

Tgt Ion:	146	Resp:	95985
Ion	Ratio	Lower	Upper
146	100		
111	44.6	37.0	55.4
148	63.3	49.8	74.6





#67

1,2-Dibromo-3-chloropropane

Concen: 5.485 ug/L

RT: 12.45 min Scan# 3533

Delta R.T. -0.00 min

Lab File: VV015978.D

Acq: 08 May 2020 20:13

Instrument :

MSVOA_V

ClientSampleId :

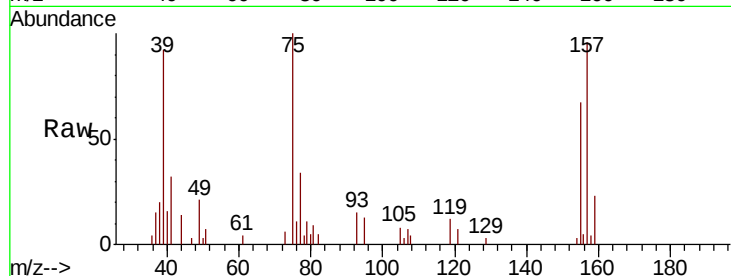
Tot Ion: 75 Resp: 6222

Ion Ratio Lower Upper

75 100

155 66.9 58.2 87.4

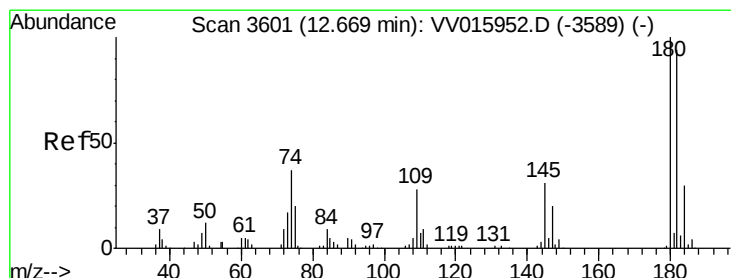
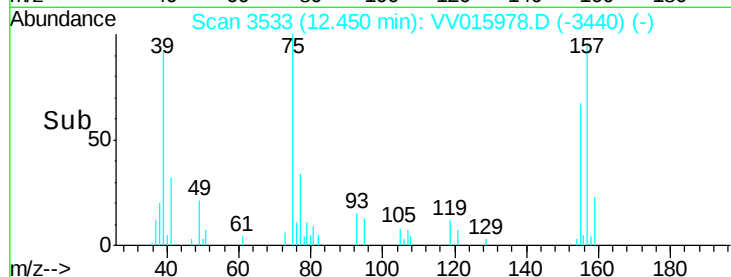
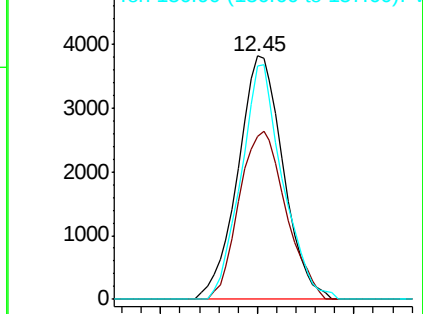
157 96.0 79.4 119.2



Abundance Ion 75.05 (74.75 to 75.75): VV015978.D (-3440) (-)

Ion 154.95 (154.65 to 155.65): VV015978.D (-3440) (-)

Ion 156.90 (156.60 to 157.60): VV015978.D (-3440) (-)



#68

1,3,5-Trichlorobenzene

Concen: 5.364 ug/L

RT: 12.67 min Scan# 3601

Delta R.T. -0.00 min

Lab File: VV015978.D

Acq: 08 May 2020 20:13

Tgt Ion: 180 Resp: 75306

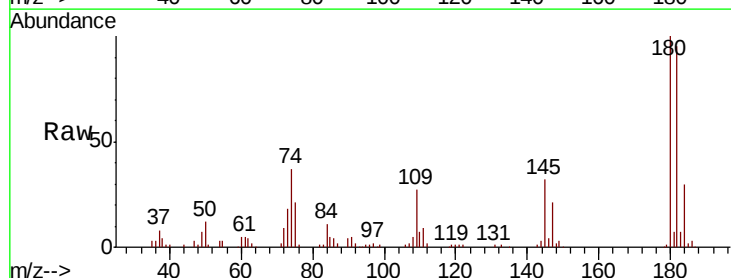
Ion Ratio Lower Upper

180 100

182 96.2 75.8 113.6

184 30.7 24.6 36.8

145 32.0 26.0 39.0

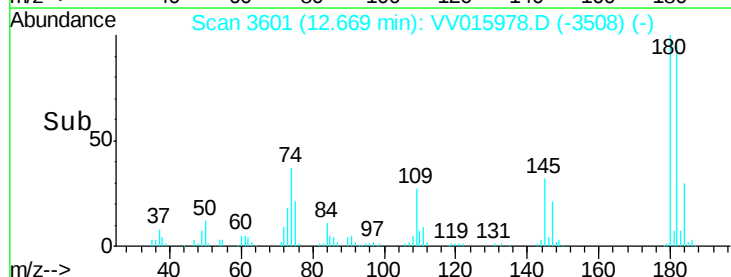
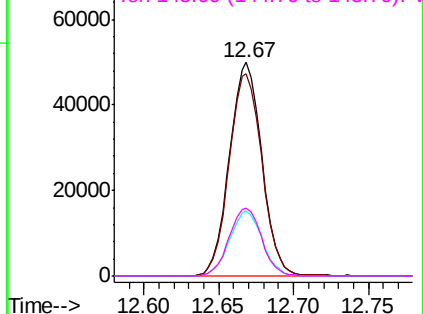


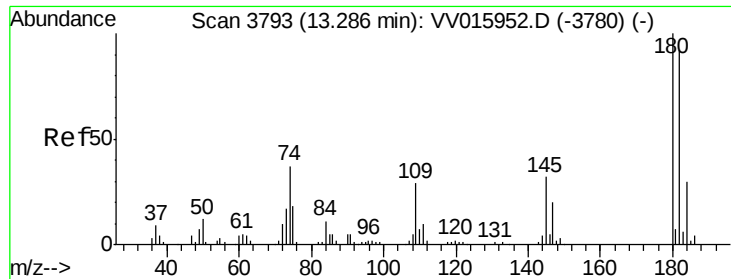
Abundance Ion 180.00 (179.70 to 180.70): VV015978.D (-3508) (-)

Ion 182.00 (181.70 to 182.70): VV015978.D (-3508) (-)

Ion 184.00 (183.70 to 184.70): VV015978.D (-3508) (-)

Ion 145.00 (144.70 to 145.70): VV015978.D (-3508) (-)

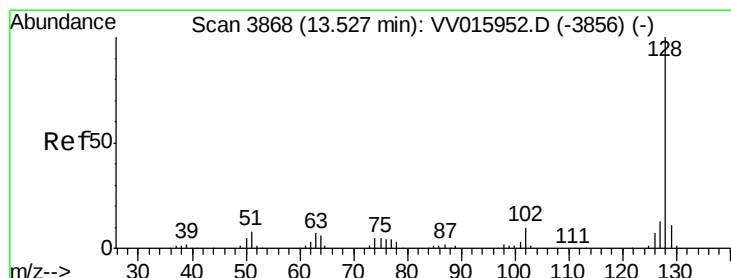
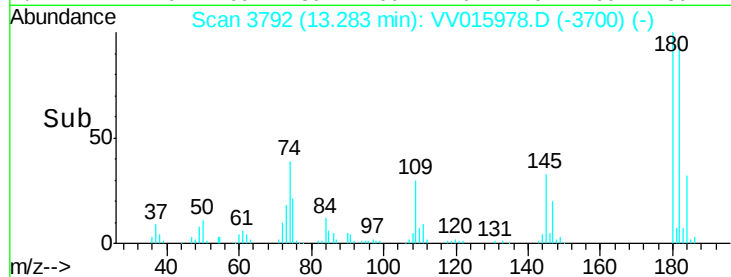
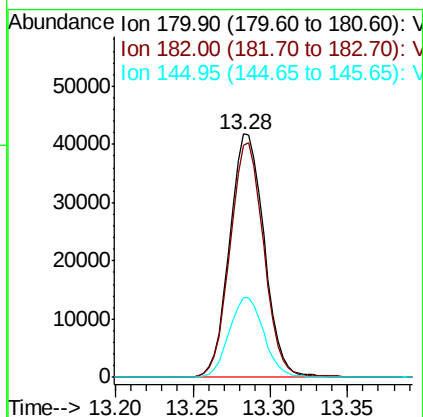
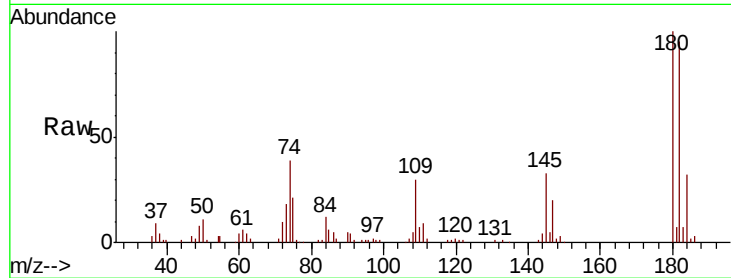




#69
 1,2,4-trichlorobenzene
 Concen: 5.370 ug/L
 RT: 13.28 min Scan# 3792
 Delta R.T. -0.00 min
 Lab File: VV015978.D
 Acq: 08 May 2020 20:13

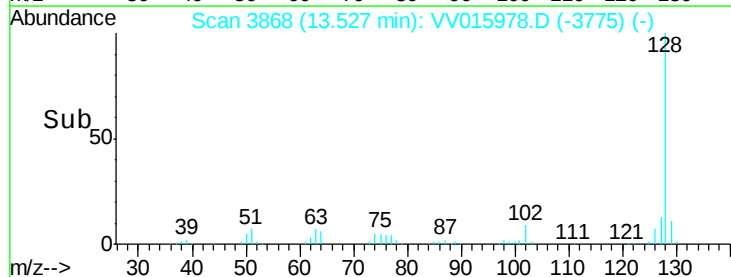
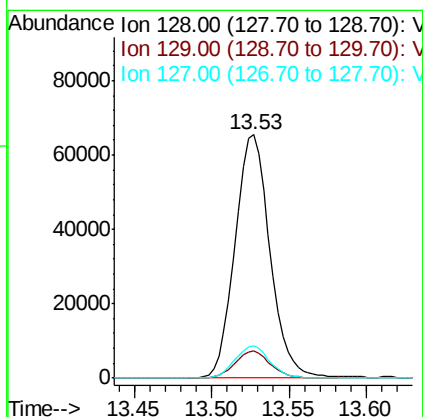
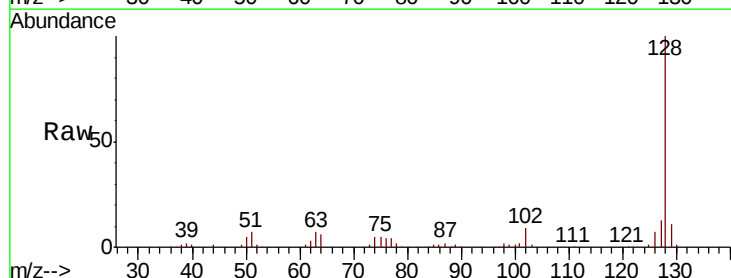
Instrument :
 MSVOA_V
 ClientSampleId :

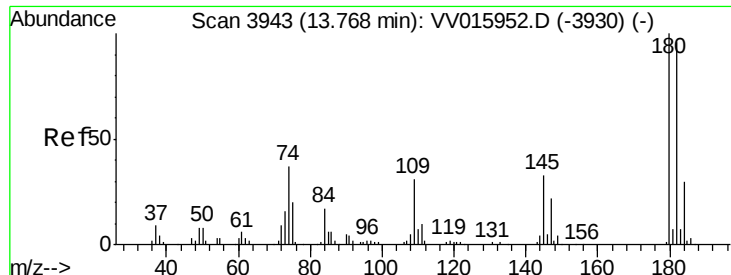
Tot Ion:180 Resp: 64777
 Ion Ratio Lower Upper
 180 100
 182 93.9 76.7 115.1
 145 32.9 26.4 39.6



#70
 Naphthalene
 Concen: 5.362 ug/L
 RT: 13.53 min Scan# 3868
 Delta R.T. -0.00 min
 Lab File: VV015978.D
 Acq: 08 May 2020 20:13

Tgt Ion:128 Resp: 102875
 Ion Ratio Lower Upper
 128 100
 129 11.1 8.5 12.7
 127 13.2 10.2 15.2





#71

1,2,3-Trichlorobenzene

Concen: 5.430 ug/L

RT: 13.77 min Scan# 3943

Delta R.T. -0.00 min

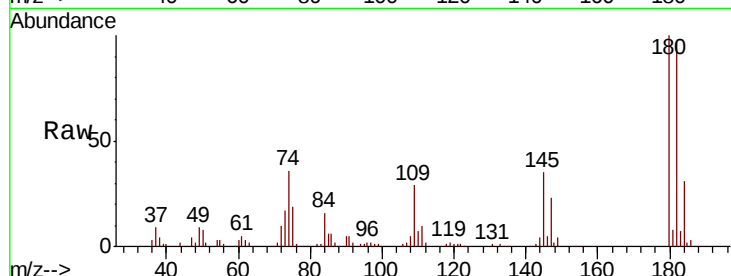
Lab File: VV015978.D

Acq: 08 May 2020 20:13

Instrument :

MSVOA_V

ClientSampleId :



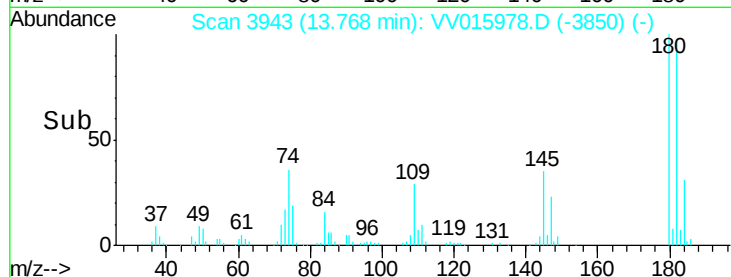
Tot Ion:180 Resp: 57793

Ion Ratio Lower Upper

180 100

182 96.4 77.0 115.6

145 35.4 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

