

Data File : VV011953.D
Acq On : 22 Jul 2019 17:18
Operator : SY/MD
Sample : VSTDICV005
Misc : 25ML/MSVOA_V/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VICV36

Quant Time: Jul 23 07:21:41 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR072219WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Tue Jul 23 07:18:43 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.67	114	147007	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	136800	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	72733	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	38088	4.99	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	99.80%
7) Chloroethane-d5	1.59	69	29075	4.84	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	96.80%
11) 1,1-Dichloroethene-d2	2.13	63	76758	5.05	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	101.00%
20) 2-Butanone-d5	3.96	46	115141	51.56	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	103.12%
24) Chloroform-d	4.40	84	96928	4.84	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	96.80%
26) 1,2-Dichloroethane-d4	5.08	65	50545	4.94	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	98.80%
32) Benzene-d6	5.10	84	199477	5.23	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	104.60%
36) 1,2-Dichloropropane-d6	6.12	67	55813	5.11	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	102.20%
41) Toluene-d8	7.36	98	187027	5.28	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	105.60%
43) trans-1,3-Dichloropropene-	7.67	79	23784	5.37	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	107.40%
46) 2-Hexanone-d5	8.13	63	96103	54.01	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	108.02%
57) 1,1,2,2-Tetrachloroethane-	10.26	84	39096	5.04	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	100.80%
64) 1,2-Dichlorobenzene-d4	11.67	152	71416	5.10	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	102.00%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	77250	5.084 ug/L	98
3) Chloromethane	1.25	50	43746	4.962 ug/L	97
5) Vinyl chloride	1.32	62	46228	5.121 ug/L	99
6) Bromomethane	1.54	94	27756	5.228 ug/L	99
8) Chloroethane	1.60	64	26737	5.006 ug/L	99
9) Trichlorofluoromethane	1.77	101	85037	5.110 ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	38151	5.100 ug/L	99
12) 1,1-Dichloroethene	2.14	96	34279	5.123 ug/L	95
13) Acetone	2.22	43	55817	46.364 ug/L	98
14) Carbon disulfide	2.32	76	98224	5.151 ug/L	99
15) Methyl Acetate	2.47	43	11231	4.273 ug/L	95
16) Methylene chloride	2.54	84	33577	4.476 ug/L	98
17) Methyl tert-butyl Ether	2.81	73	115457	5.057 ug/L	98
18) trans-1,2-Dichloroethene	2.79	96	52540	5.043 ug/L	99
19) 1,1-Dichloroethane	3.23	63	95337	5.181 ug/L	97
21) 2-Butanone	4.04	43	117737	50.980 ug/L	100
22) cis-1,2-Dichloroethene	3.96	96	56154	5.015 ug/L	96

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MSVOA_V
ClientSampleId :
VICV36

Quant Time: Jul 23 07:21:41 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR072219WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Tue Jul 23 07:18:43 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.30	128	23434	5.090	ug/L	98
25) Chloroform	4.43	83	106983	4.813	ug/L	95
27) 1,2-Dichloroethane	5.18	62	64073	5.185	ug/L	98
29) 1,1,1-Trichloroethane	4.66	97	92191	5.265	ug/L	99
30) Cyclohexane	4.72	56	84636	5.117	ug/L	99
31) Carbon tetrachloride	4.87	117	82205	5.215	ug/L	100
33) Benzene	5.15	78	210144	5.222	ug/L	100
34) Trichloroethene	5.96	95	59136	5.292	ug/L	97
35) Methylcyclohexane	6.18	83	93955	5.402	ug/L	99
37) 1,2-Dichloropropane	6.22	63	49516	5.118	ug/L	99
38) Bromodichloromethane	6.56	83	66129	5.116	ug/L	99
39) cis-1,3-Dichloropropene	7.07	75	76786	5.355	ug/L	98
40) 4-Methyl-2-pentanone	7.28	43	285085	52.741	ug/L	99
42) Toluene	7.43	91	231883	5.368	ug/L	99
44) trans-1,3-Dichloropropene	7.69	75	60567	5.310	ug/L	100
45) 1,1,2-Trichloroethane	7.88	97	34773	5.204	ug/L	98
47) Tetrachloroethene	8.02	164	50375	5.224	ug/L	95
48) 2-Hexanone	8.19	43	209717	55.307	ug/L	98
49) Dibromochloromethane	8.29	129	44226	5.406	ug/L	98
50) 1,2-Dibromoethane	8.40	107	32855	5.208	ug/L	98
51) Chlorobenzene	8.92	112	147982	5.232	ug/L	100
52) Ethylbenzene	9.05	91	260906	5.292	ug/L	100
53) m,p-xylene	9.18	106	102235	5.448	ug/L	97
54) o-xylene	9.59	106	94905	5.333	ug/L	98
55) Styrene	9.60	104	163210	5.443	ug/L	99
56) Isopropylbenzene	9.97	105	265499	5.343	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.29	83	38017	5.250	ug/L	99
59) 1,2,3-Trichloropropane	10.32	75	29994	5.316	ug/L	97
61) Bromoform	9.77	173	23009	5.154	ug/L	100
62) 1,3-Dichlorobenzene	11.22	146	124759	5.244	ug/L	99
63) 1,4-Dichlorobenzene	11.32	146	126586	5.169	ug/L	98
65) 1,2-Dichlorobenzene	11.69	146	116615	5.325	ug/L	97
66) 1,2-Dibromo-3-chloropropan	12.48	75	6770	5.321	ug/L	94
67) 1,3,5-Trichlorobenzene	12.69	180	105261	5.290	ug/L	99
68) 1,2,4-trichlorobenzene	13.31	180	88039	5.449	ug/L	99
69) Naphthalene	13.55	128	132217	5.427	ug/L	99
70) 1,2,3-Trichlorobenzene	13.79	180	80520	5.493	ug/L	99

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

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Instrument :
MSVOA_V
ClientSampleId :
VICV36

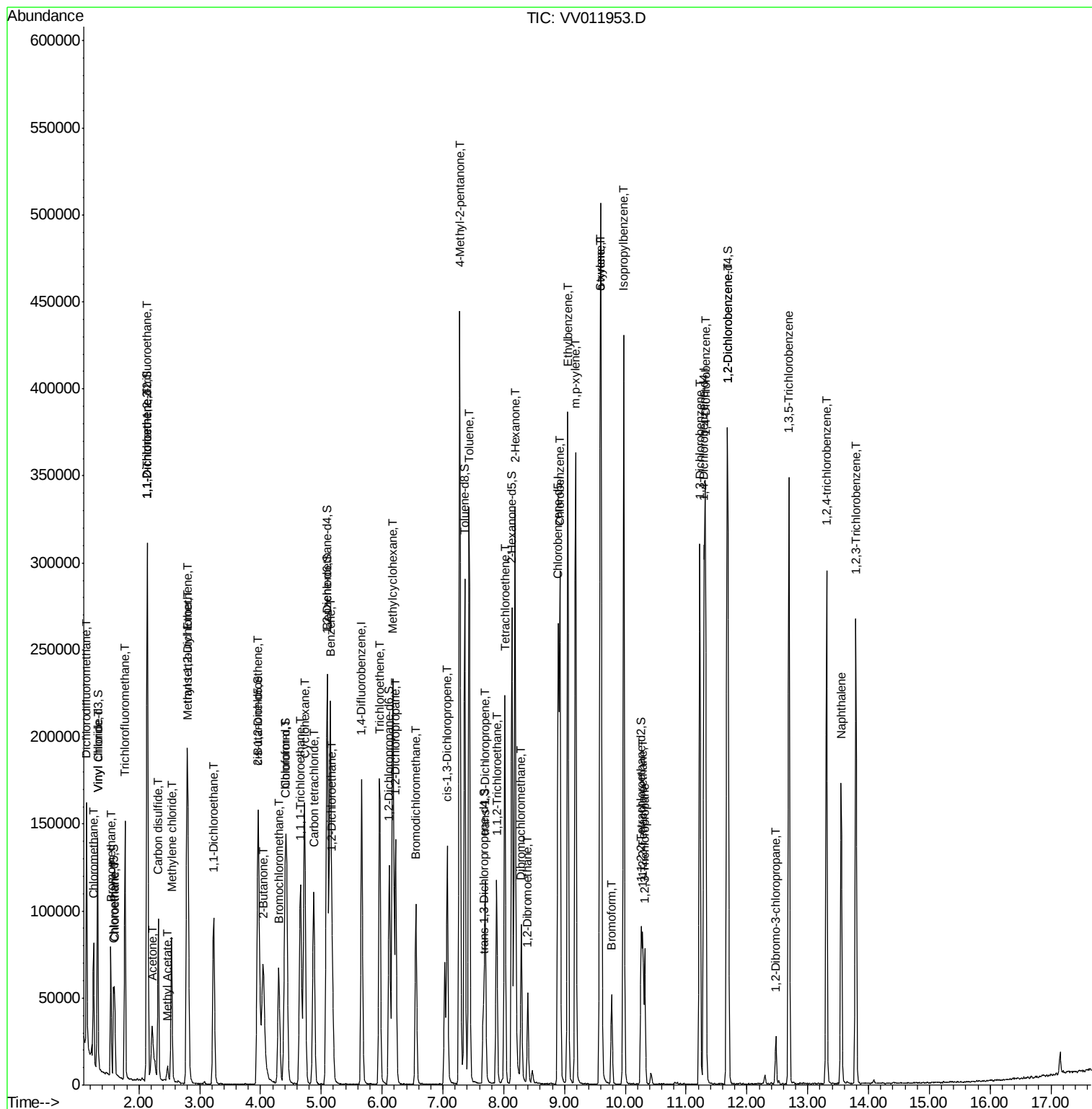
Quant Time: Jul 23 07:21:41 2019

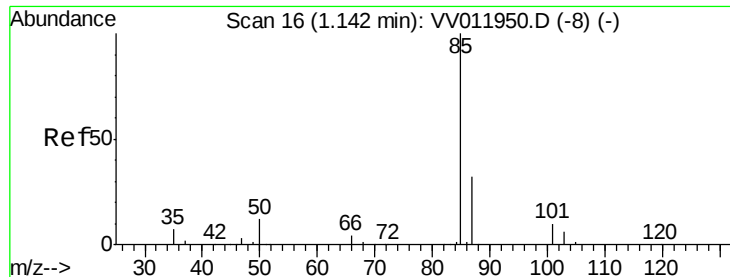
Quant Method : Z:\V0ASRV\HPCHEM1\MSV0A_V\METHOD\SOMVTR072219WMA.M

Quant Title : TRACE VOA SOM01.0

QLast Update : Tue Jul 23 07:18:43 2019

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#2

Dichlorodifluoromethane

Concen: 5.084 ug/L

RT: 1.14 min Scan# 15

Delta R.T. -0.00 min

Lab File: VV011953.D

Acq: 22 Jul 2019 17:18

Instrument :

MSVOA_V

ClientSampleId :

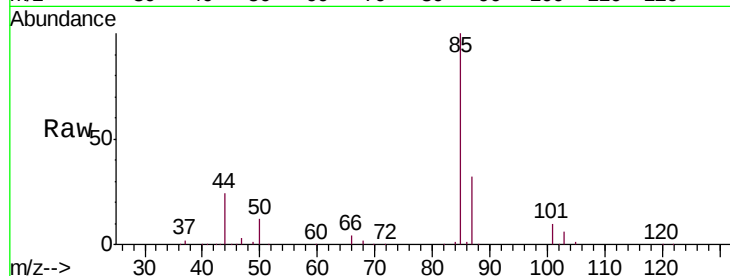
VICV36

Tgt Ion: 85 Resp: 77250

Ion Ratio Lower Upper

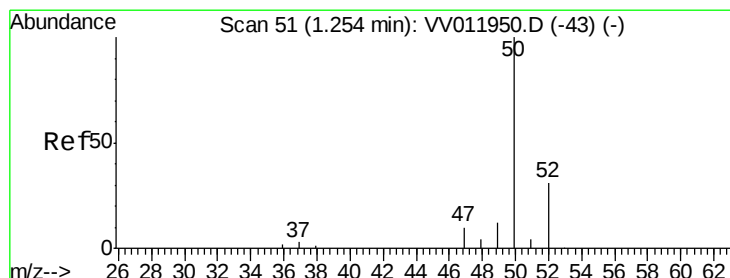
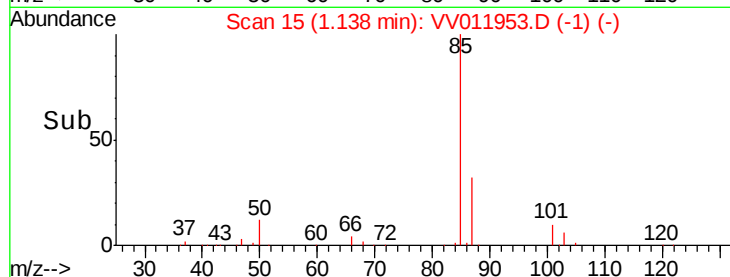
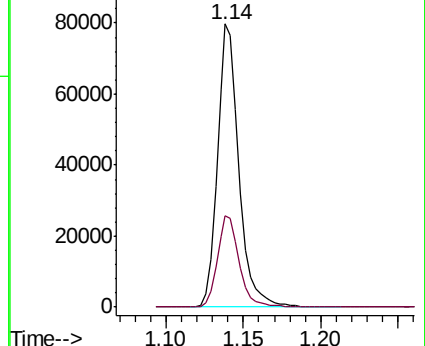
85 100

87 32.9 25.6 38.4



Abundance Ion 85.00 (84.70 to 85.70): VV0

Ion 87.00 (86.70 to 87.70): VV0



#3

Chloromethane

Concen: 4.962 ug/L

RT: 1.25 min Scan# 51

Delta R.T. -0.00 min

Lab File: VV011953.D

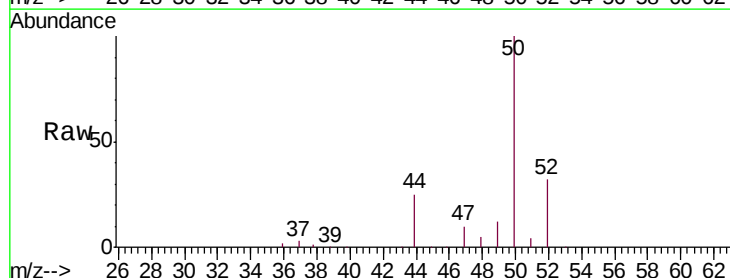
Acq: 22 Jul 2019 17:18

Tgt Ion: 50 Resp: 43746

Ion Ratio Lower Upper

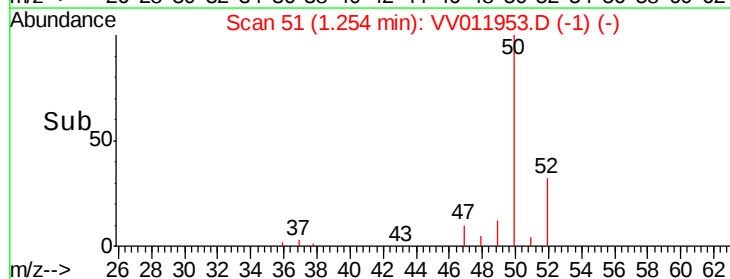
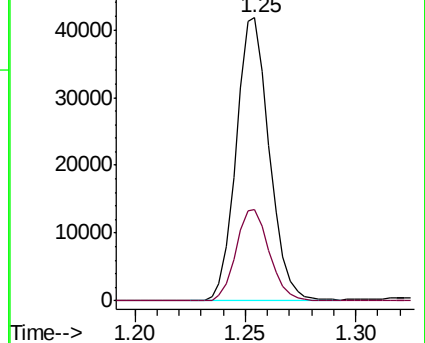
50 100

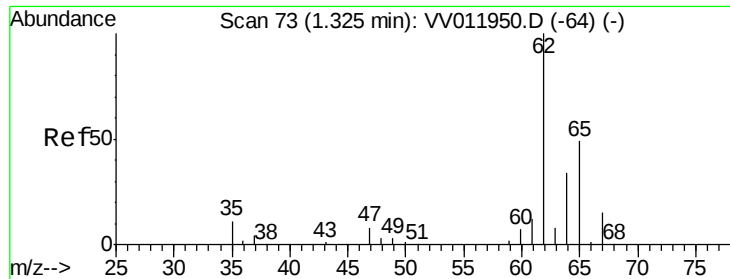
52 32.3 21.6 40.2



Abundance Ion 50.05 (49.75 to 50.75): VV0

Ion 52.05 (51.75 to 52.75): VV0





#5

Vinyl chloride

Concen: 5.121 ug/L

RT: 1.32 min Scan# 72

Delta R.T. -0.00 min

Lab File: VV011953.D

Acq: 22 Jul 2019 17:18

Instrument :

MSVOA_V

ClientSampleId :

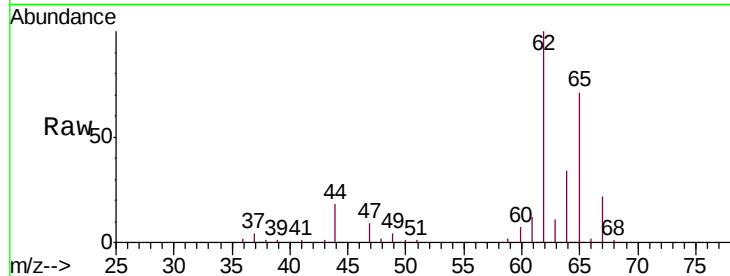
VICV36

Tgt Ion: 62 Resp: 46228

Ion Ratio Lower Upper

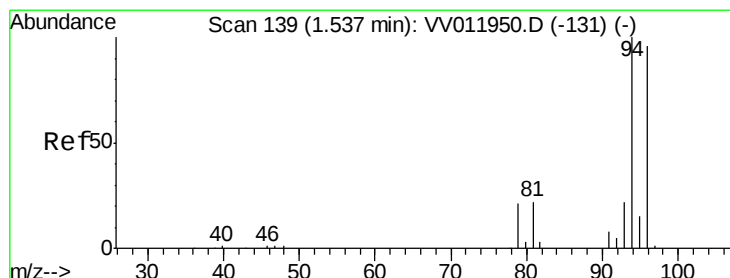
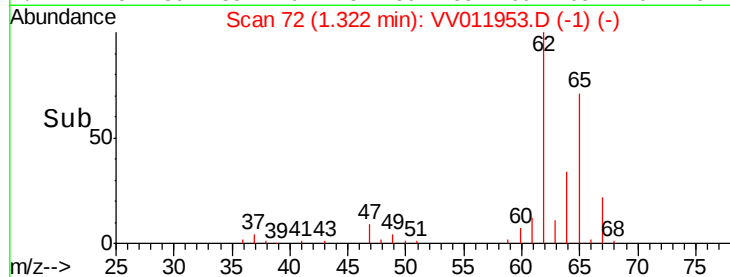
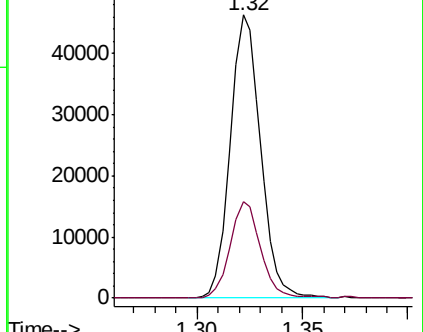
62 100

64 34.2 24.3 45.1



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.10 (63.80 to 64.80): VV0



#6

Bromomethane

Concen: 5.228 ug/L

RT: 1.54 min Scan# 139

Delta R.T. -0.00 min

Lab File: VV011953.D

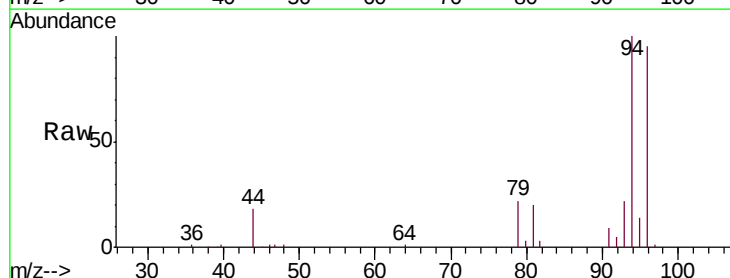
Acq: 22 Jul 2019 17:18

Tgt Ion: 94 Resp: 27756

Ion Ratio Lower Upper

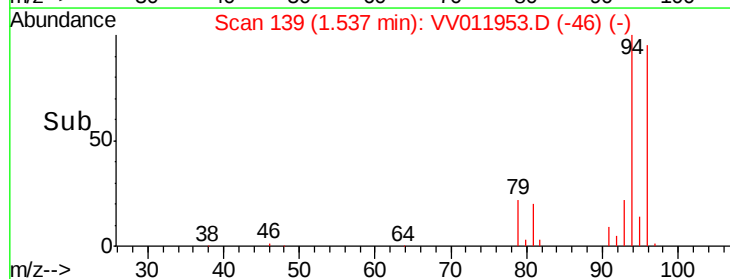
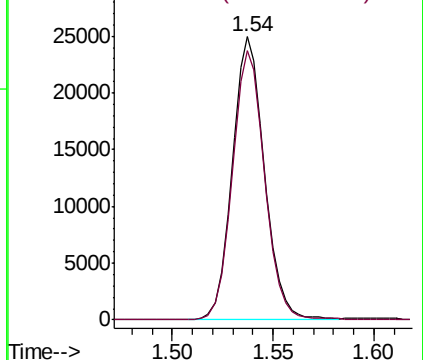
94 100

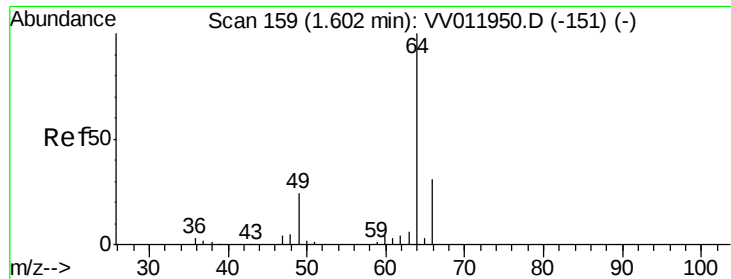
96 95.3 67.3 125.1



Abundance Ion 94.00 (93.70 to 94.70): VV0

Ion 96.00 (95.70 to 96.70): VV0





#8

Chloroethane

Concen: 5.006 ug/L

RT: 1.60 min Scan# 159

Delta R.T. -0.00 min

Lab File: VV011953.D

Acq: 22 Jul 2019 17:18

Instrument :

MSVOA_V

ClientSampleId :

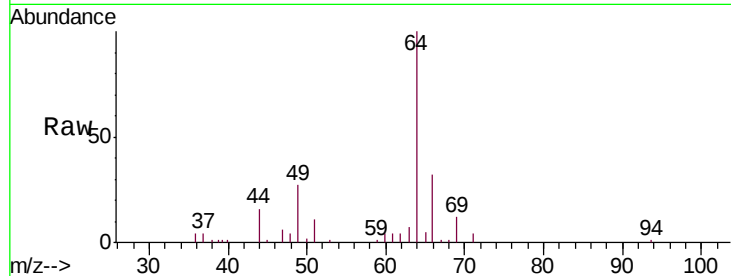
VICV36

Tgt Ion: 64 Resp: 26737

Ion Ratio Lower Upper

64 100

66 31.5 21.8 40.6



Abundance Ion 64.10 (63.80 to 64.80): VV011950.D (-151) (-)

Ion 66.05 (65.75 to 66.75): VV011953.D (-66) (-)

1.60

25000

20000

15000

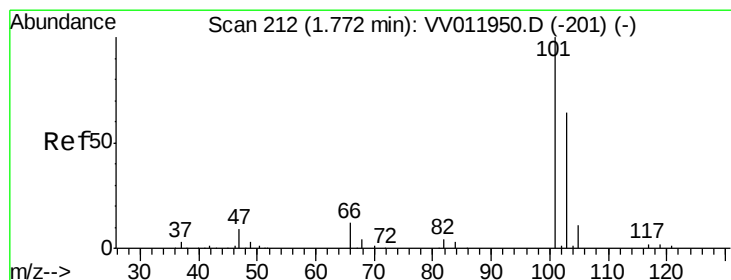
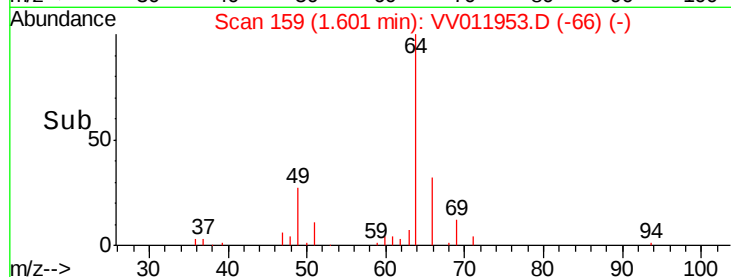
10000

5000

0

1.55 1.60 1.65

Time-->



#9

Trichlorofluoromethane

Concen: 5.110 ug/L

RT: 1.77 min Scan# 212

Delta R.T. -0.00 min

Lab File: VV011953.D

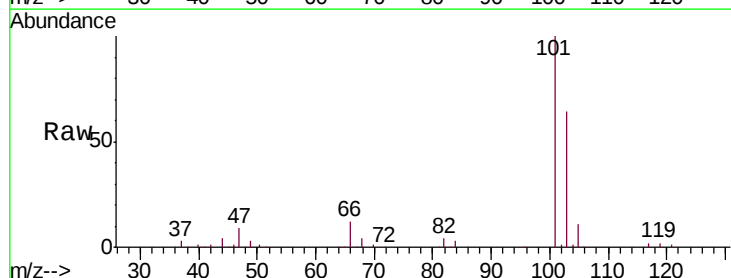
Acq: 22 Jul 2019 17:18

Tgt Ion: 101 Resp: 85037

Ion Ratio Lower Upper

101 100

103 63.9 50.4 75.6



Abundance Ion 101.00 (100.70 to 101.70): VV011950.D (-201) (-)

Ion 103.00 (102.70 to 103.70): VV011953.D (-119) (-)

1.77

60000

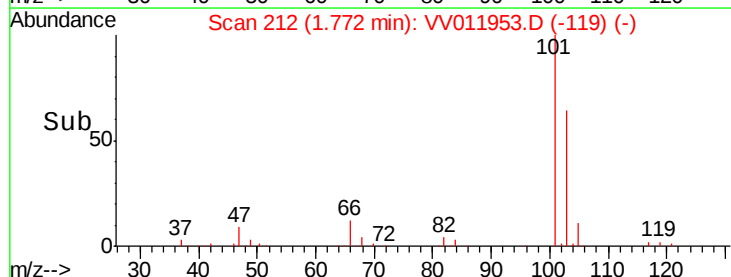
40000

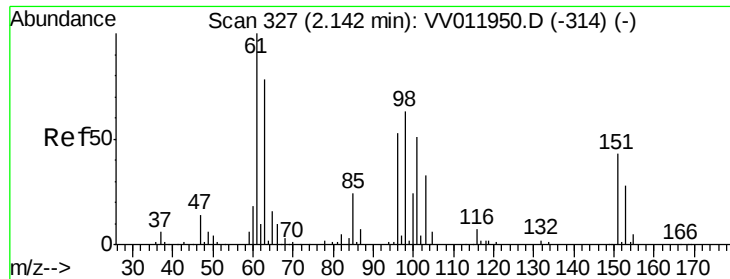
20000

0

1.70 1.75 1.80 1.85

Time-->





#10

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

Concen: 5.100 ug/L

RT: 2.14 min Scan# 327

Delta R.T. -0.00 min

Lab File: VV011953.D

Acq: 22 Jul 2019 17:18

Instrument :

MSVOA_V

ClientSampled :

VICV36

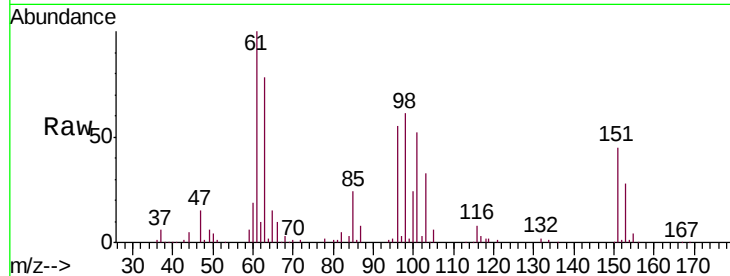
Tgt Ion:101 Resp: 38151

Ion Ratio Lower Upper

101 100

85 45.8 37.0 55.6

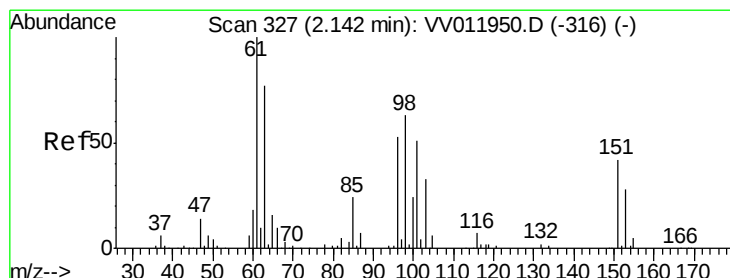
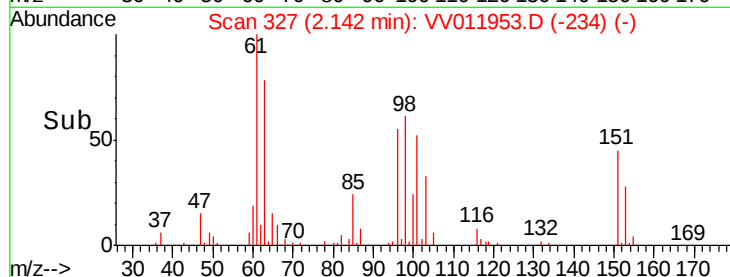
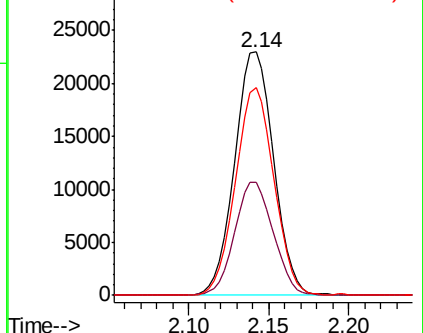
151 84.1 68.3 102.5



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VV0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 5.123 ug/L

RT: 2.14 min Scan# 327

Delta R.T. -0.00 min

Lab File: VV011953.D

Acq: 22 Jul 2019 17:18

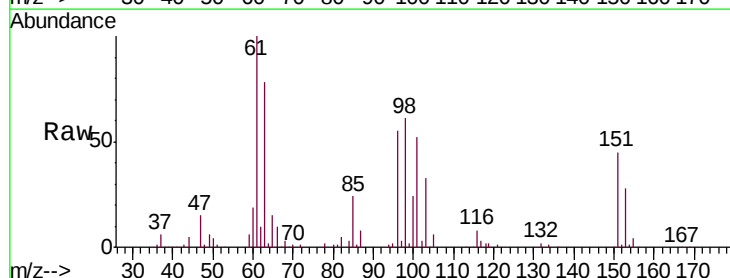
Tgt Ion: 96 Resp: 34279

Ion Ratio Lower Upper

96 100

61 182.2 132.7 246.5

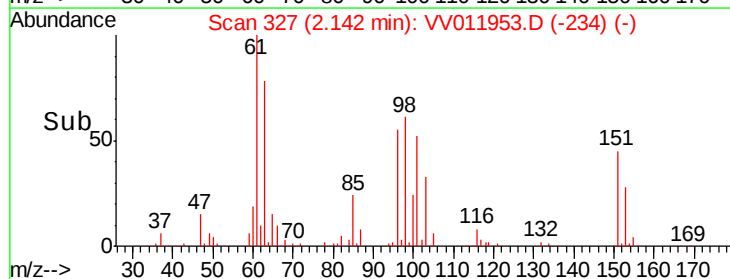
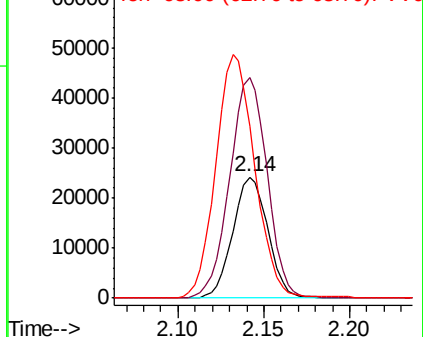
63 141.5 104.0 193.1

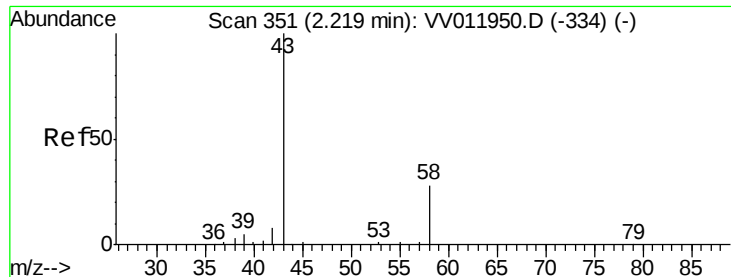


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.05 (60.75 to 61.75): VV0

Ion 63.00 (62.70 to 63.70): VV0





#13

Acetone

Concen: 46.364 ug/L

RT: 2.22 min Scan# 351

Delta R.T. -0.00 min

Lab File: VV011953.D

Acq: 22 Jul 2019 17:18

Instrument :

MSVOA_V

ClientSampleId :

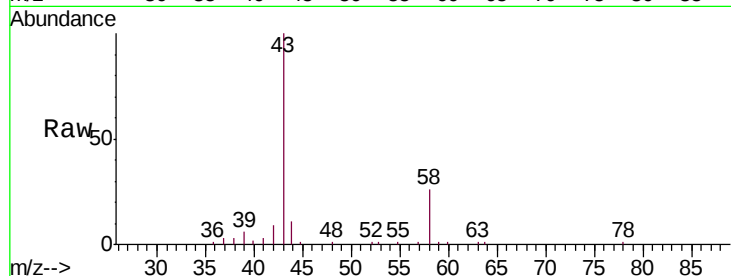
VICV36

Tgt Ion: 43 Resp: 55817

Ion Ratio Lower Upper

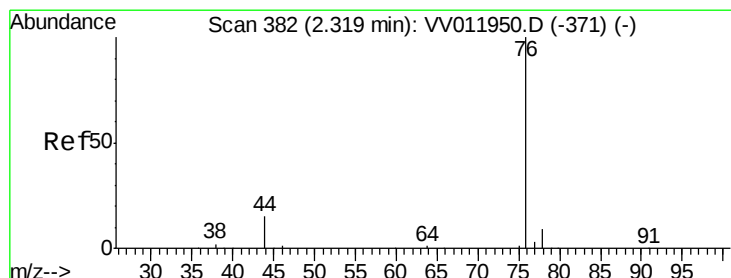
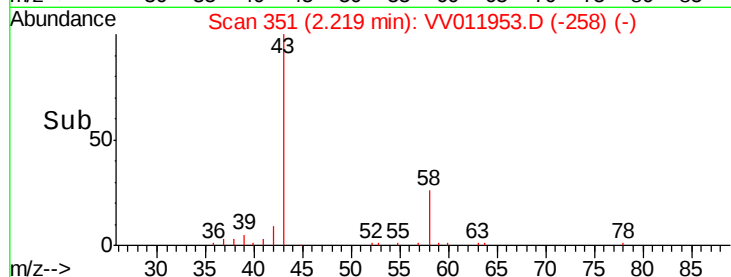
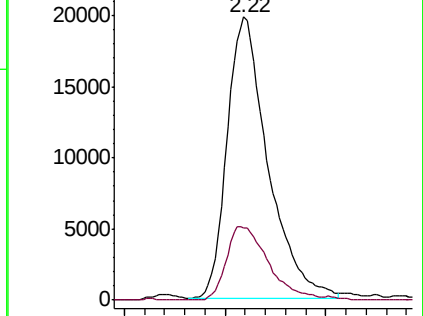
43 100

58 26.9 0.0 51.8



Abundance Ion 43.05 (42.75 to 43.75): VV011950.D (-334) (-)

Ion 58.05 (57.75 to 58.75): VV011950.D (-334) (-)



#14

Carbon disulfide

Concen: 5.151 ug/L

RT: 2.32 min Scan# 382

Delta R.T. -0.00 min

Lab File: VV011953.D

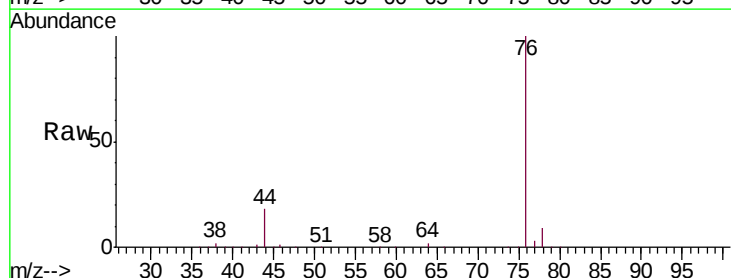
Acq: 22 Jul 2019 17:18

Tgt Ion: 76 Resp: 98224

Ion Ratio Lower Upper

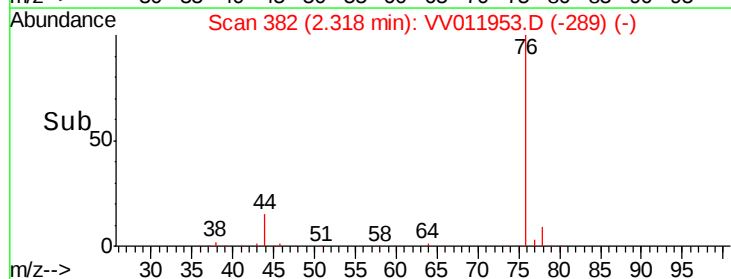
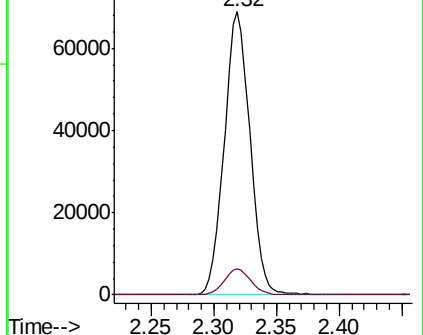
76 100

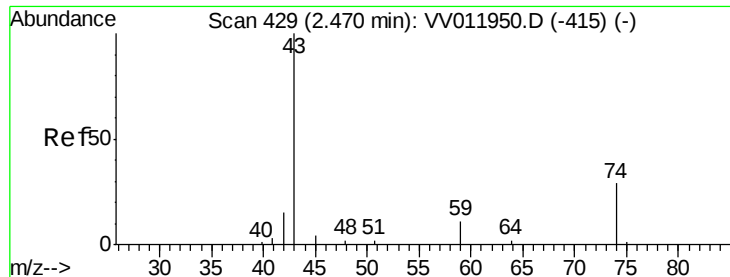
78 9.3 7.3 10.9



Abundance Ion 76.05 (75.75 to 76.75): VV011950.D (-371) (-)

Ion 78.00 (77.70 to 78.70): VV011950.D (-371) (-)

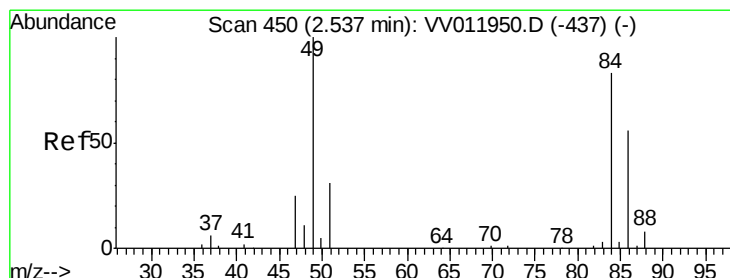
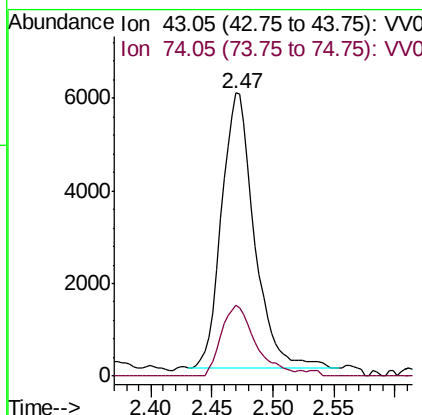
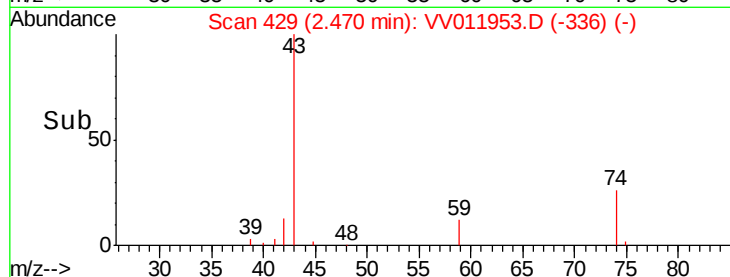
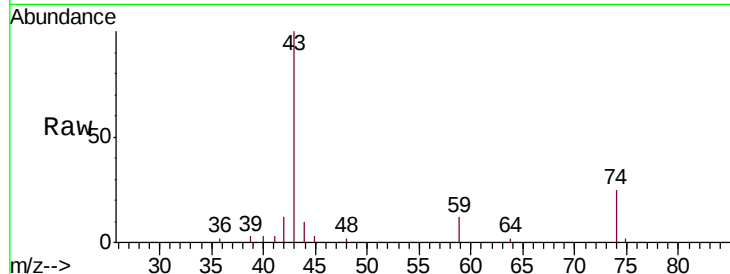




#15
Methyl Acetate
Concen: 4.273 ug/L
RT: 2.47 min Scan# 429
Delta R.T. -0.00 min
Lab File: VV011953.D
Acq: 22 Jul 2019 17:18

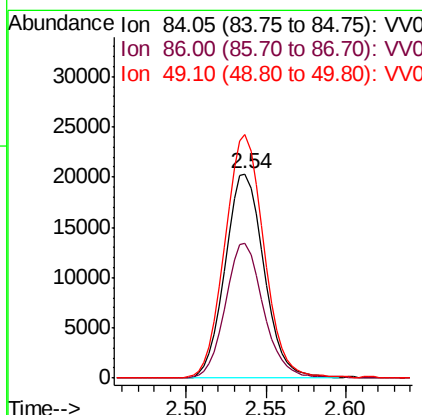
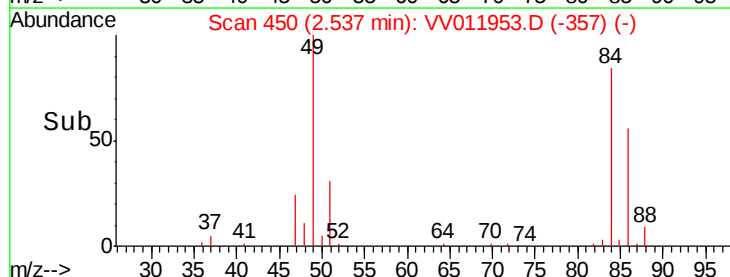
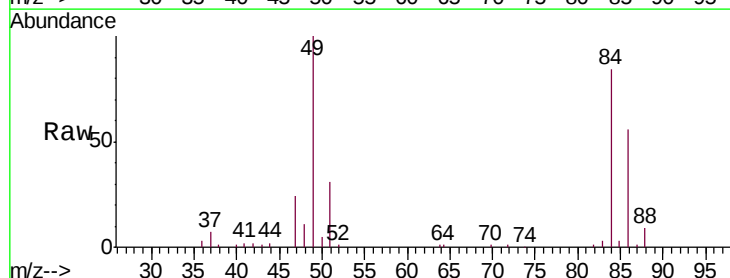
Instrument :
MSVOA_V
ClientSampleId :
VICV36

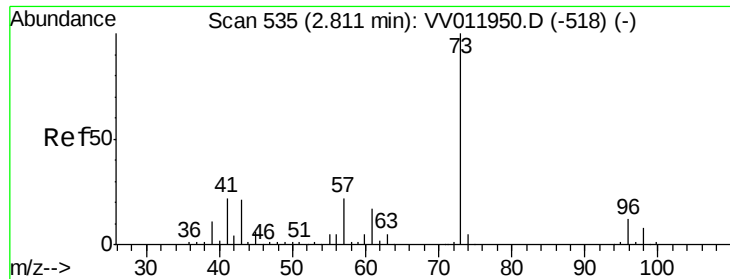
Tgt Ion: 43 Resp: 11231
Ion Ratio Lower Upper
43 100
74 26.8 23.4 35.2



#16
Methylene chloride
Concen: 4.476 ug/L
RT: 2.54 min Scan# 450
Delta R.T. -0.00 min
Lab File: VV011953.D
Acq: 22 Jul 2019 17:18

Tgt Ion: 84 Resp: 33577
Ion Ratio Lower Upper
84 100
86 66.1 47.6 88.4
49 119.0 84.3 156.5

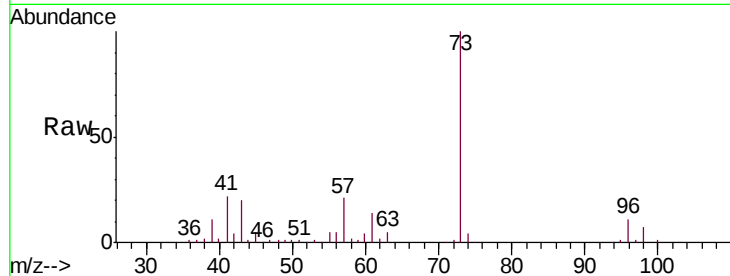




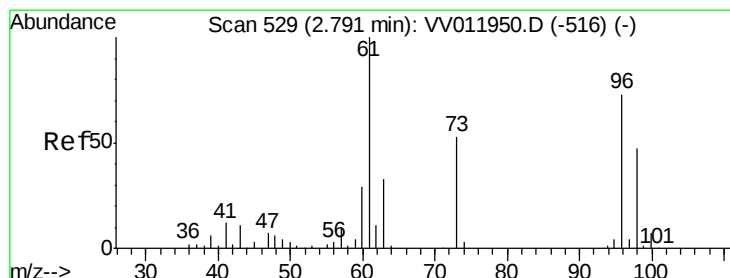
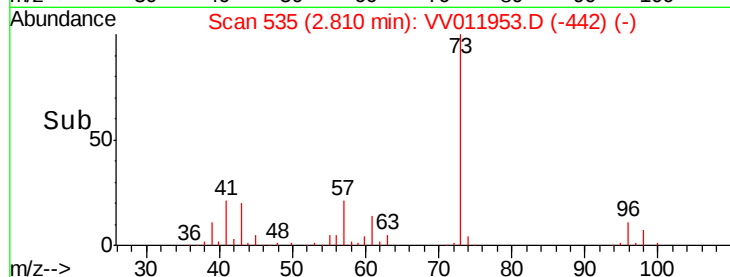
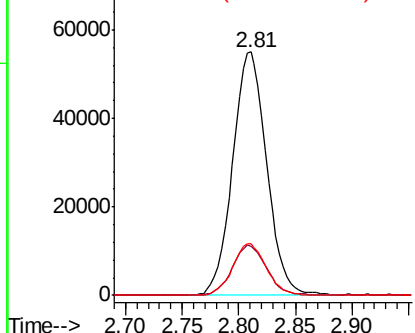
#17
Methyl tert-butyl Ether
Concen: 5.057 ug/L
RT: 2.81 min Scan# 535
Delta R.T. -0.00 min
Lab File: VV011953.D
Acq: 22 Jul 2019 17:18

Instrument :
MSVOA_V
ClientSampleId :
VICV36

Tgt Ion: 73 Resp: 115457
Ion Ratio Lower Upper
73 100
43 20.1 17.0 25.4
57 20.9 17.0 25.6

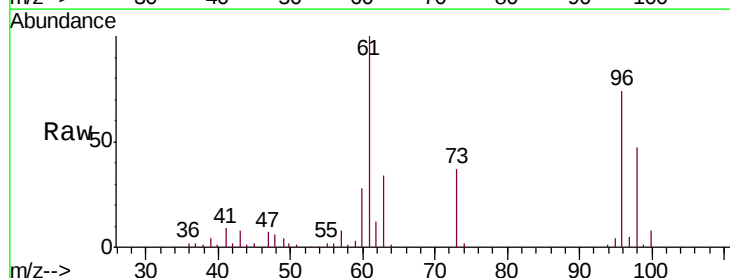


Abundance Ion 73.10 (72.80 to 73.80): VV0
Ion 43.05 (42.75 to 43.75): VV0
Ion 57.10 (56.80 to 57.80): VV0

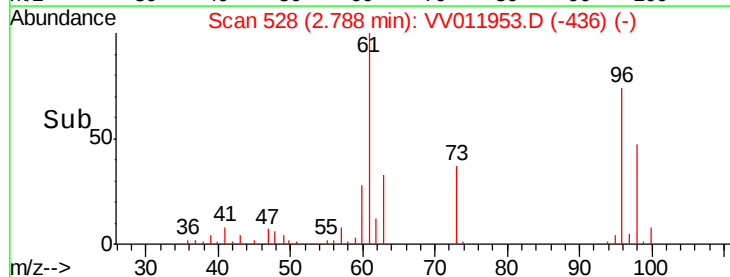
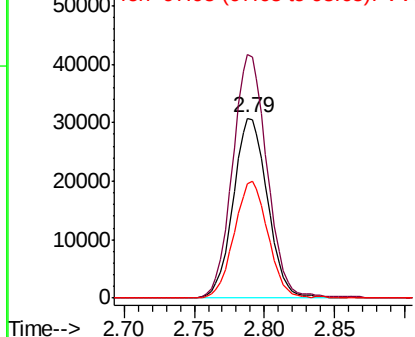


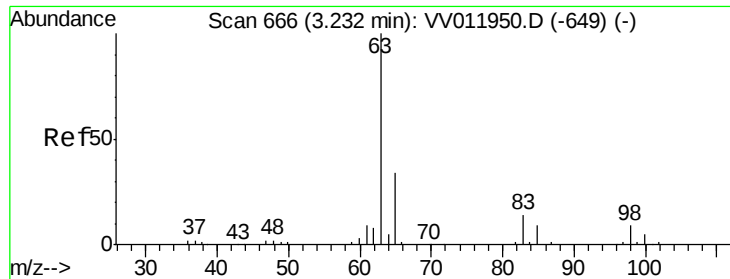
#18
trans-1,2-Dichloroethene
Concen: 5.043 ug/L
RT: 2.79 min Scan# 528
Delta R.T. -0.00 min
Lab File: VV011953.D
Acq: 22 Jul 2019 17:18

Tgt Ion: 96 Resp: 52540
Ion Ratio Lower Upper
96 100
61 135.2 95.4 177.2
98 63.3 44.4 82.5



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

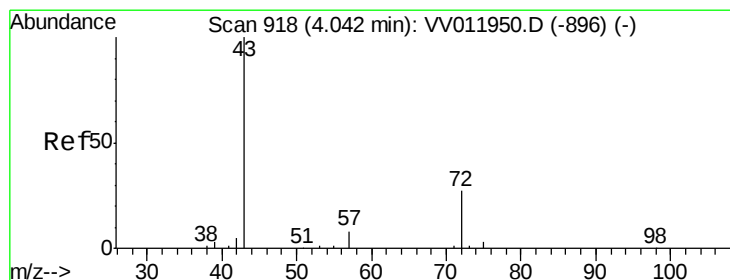
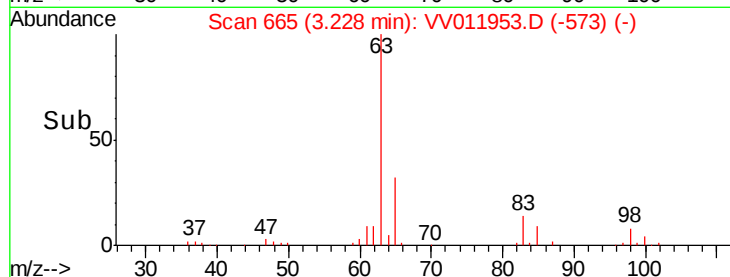
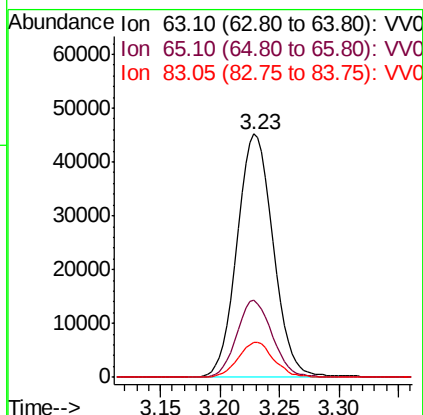
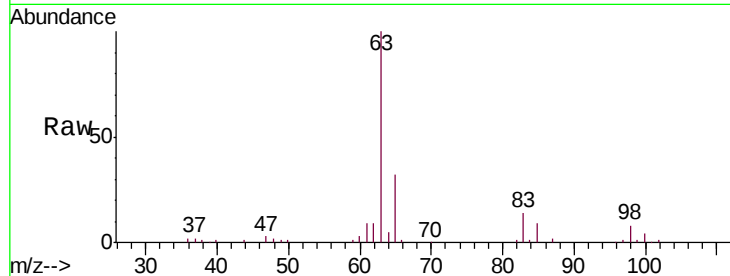




#19
 1,1-Dichloroethane
 Concen: 5.181 ug/L
 RT: 3.23 min Scan# 665
 Delta R.T. -0.00 min
 Lab File: VV011953.D
 Acq: 22 Jul 2019 17:18

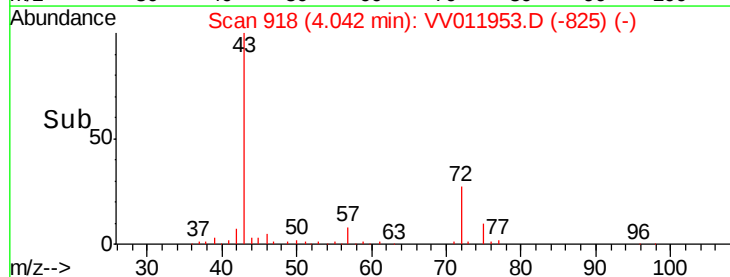
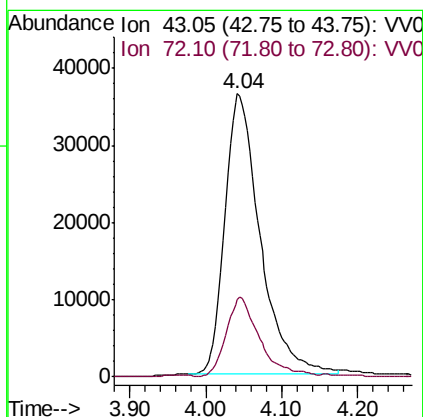
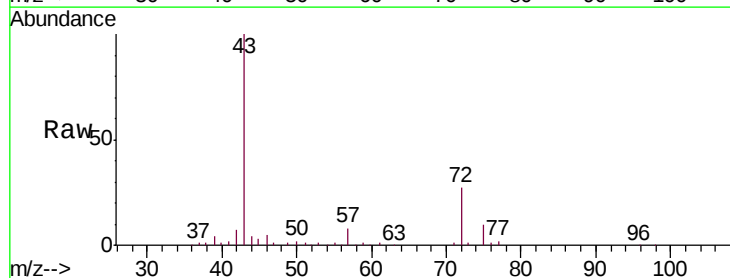
Instrument :
 MSVOA_V
 ClientSampled :
 VICV36

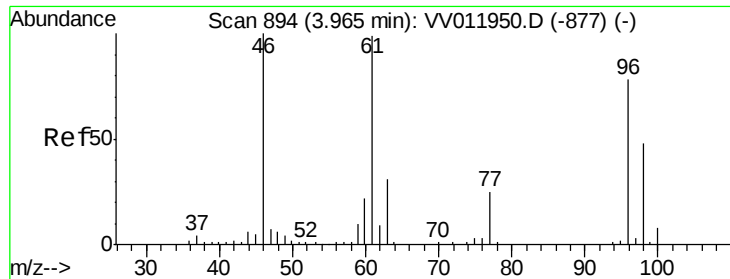
Tgt Ion: 63 Resp: 95337
 Ion Ratio Lower Upper
 63 100
 65 31.5 23.5 43.7
 83 14.2 9.7 18.1



#21
 2-Butanone
 Concen: 50.980 ug/L
 RT: 4.04 min Scan# 918
 Delta R.T. -0.00 min
 Lab File: VV011953.D
 Acq: 22 Jul 2019 17:18

Tgt Ion: 43 Resp: 117737
 Ion Ratio Lower Upper
 43 100
 72 27.1 13.6 40.8

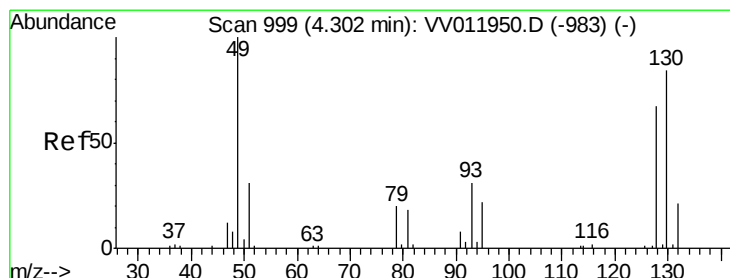
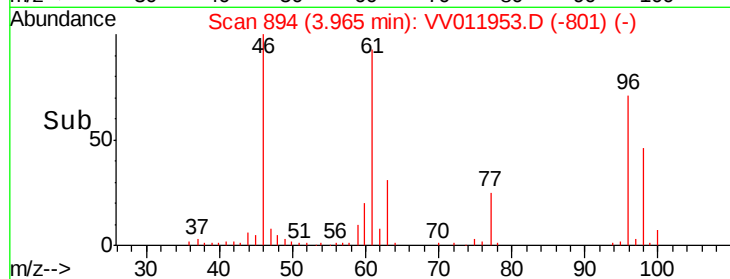
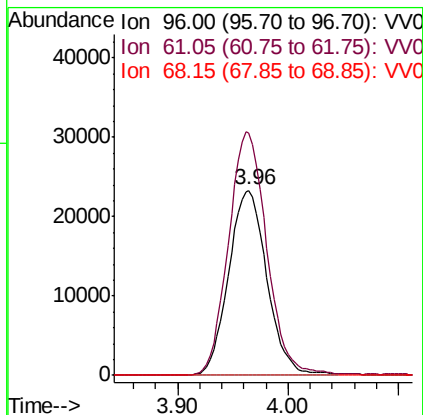
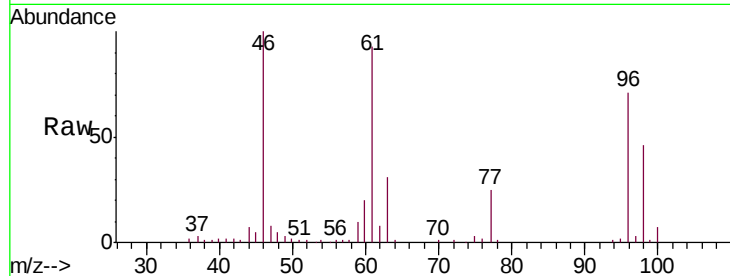




#22
 cis-1,2-Dichloroethene
 Concen: 5.015 ug/L
 RT: 3.96 min Scan# 894
 Delta R.T. -0.00 min
 Lab File: VV011953.D
 Acq: 22 Jul 2019 17:18

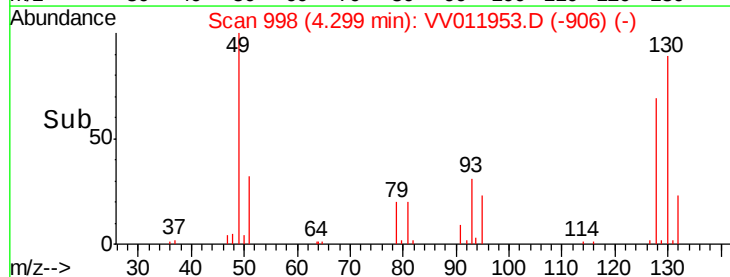
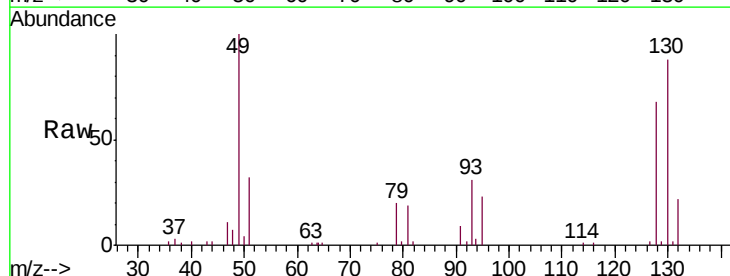
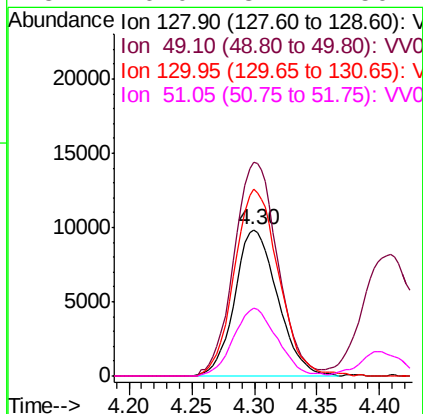
Instrument :
 MSVOA_V
 ClientSampleId :
 VICV36

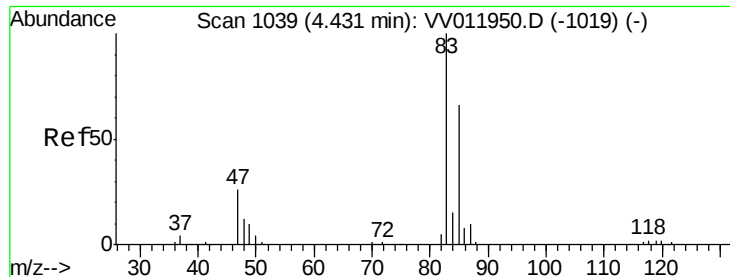
Tgt Ion: 96 Resp: 56154
 Ion Ratio Lower Upper
 96 100
 61 131.2 89.0 165.2
 68 0.0 0.0 0.0



#23
 Bromochloromethane
 Concen: 5.090 ug/L
 RT: 4.30 min Scan# 998
 Delta R.T. -0.00 min
 Lab File: VV011953.D
 Acq: 22 Jul 2019 17:18

Tgt Ion: 128 Resp: 23434
 Ion Ratio Lower Upper
 128 100
 49 146.1 105.5 195.9
 130 128.0 88.4 164.2
 51 46.0 37.4 56.2

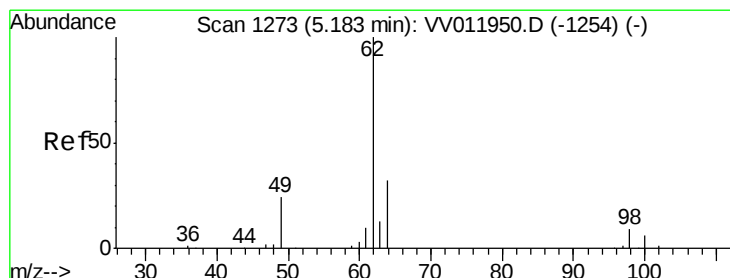
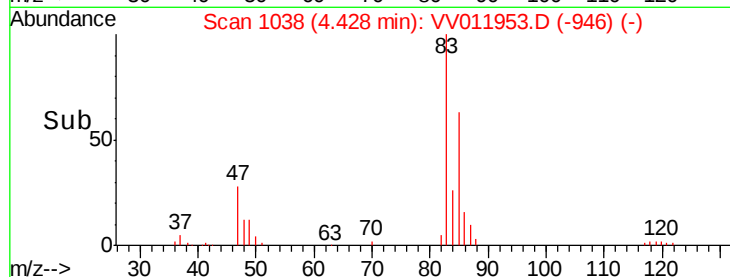
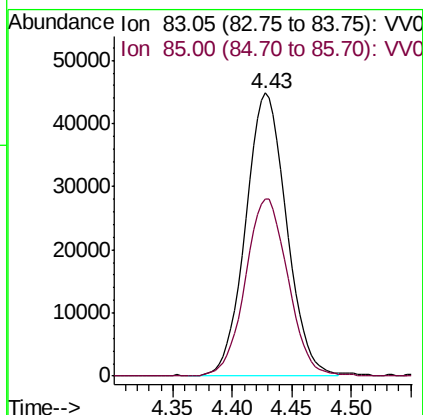
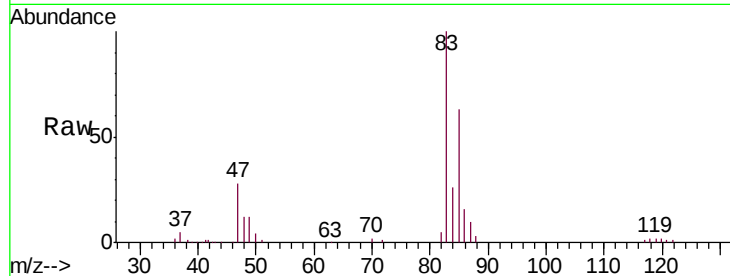




#25
Chloroform
Concen: 4.813 ug/L
RT: 4.43 min Scan# 1038
Delta R.T. -0.00 min
Lab File: VV011953.D
Acq: 22 Jul 2019 17:18

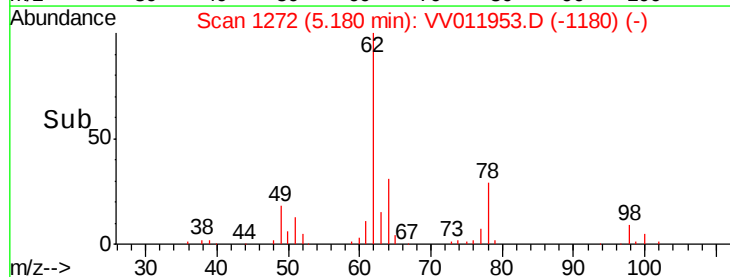
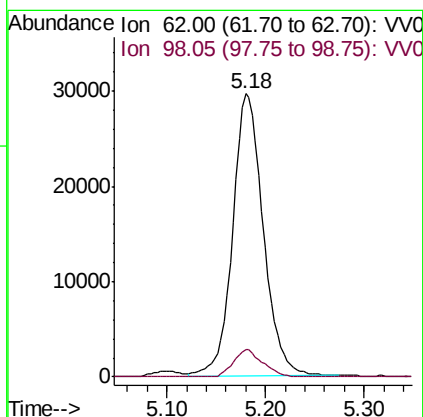
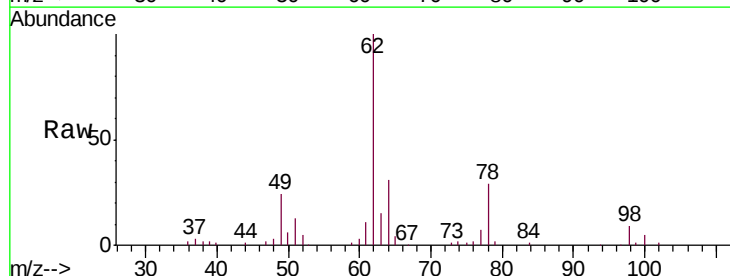
Instrument :
MSVOA_V
ClientSampled :
VICV36

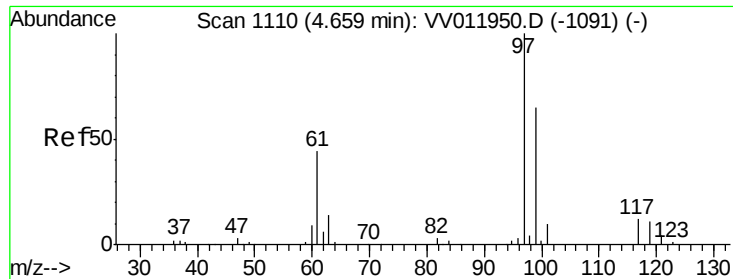
Tgt Ion: 83 Resp: 106983
Ion Ratio Lower Upper
83 100
85 62.6 46.5 86.3



#27
1,2-Dichloroethane
Concen: 5.185 ug/L
RT: 5.18 min Scan# 1272
Delta R.T. -0.00 min
Lab File: VV011953.D
Acq: 22 Jul 2019 17:18

Tgt Ion: 62 Resp: 64073
Ion Ratio Lower Upper
62 100
98 9.5 7.0 10.6

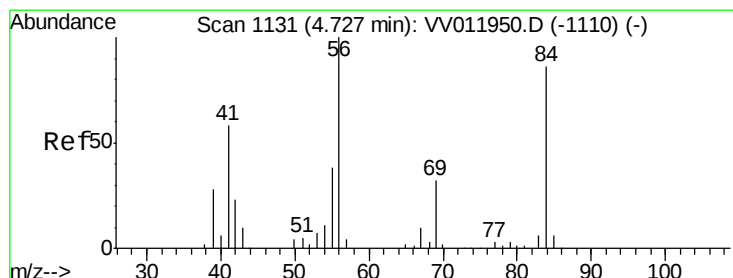
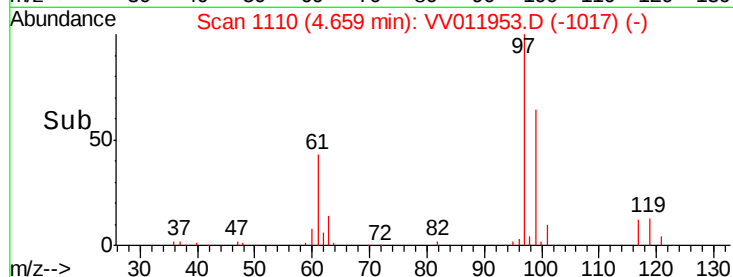
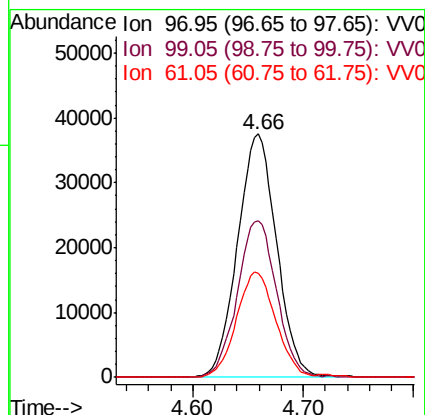
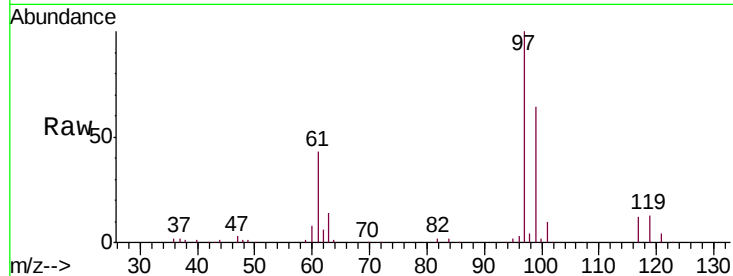




#29
 1,1,1-Trichloroethane
 Concen: 5.265 ug/L
 RT: 4.66 min Scan# 1110
 Delta R.T. -0.00 min
 Lab File: VV011953.D
 Acq: 22 Jul 2019 17:18

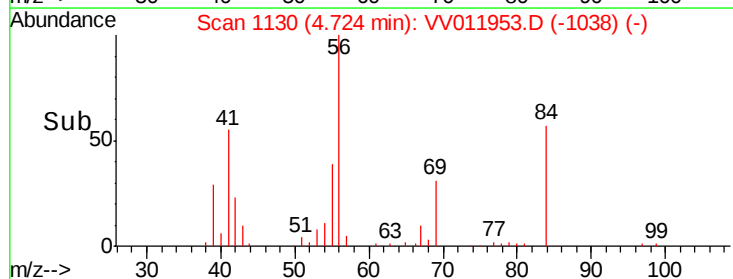
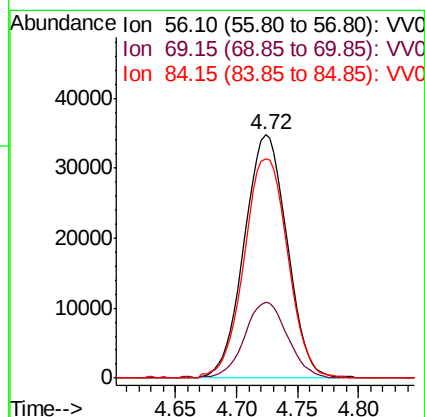
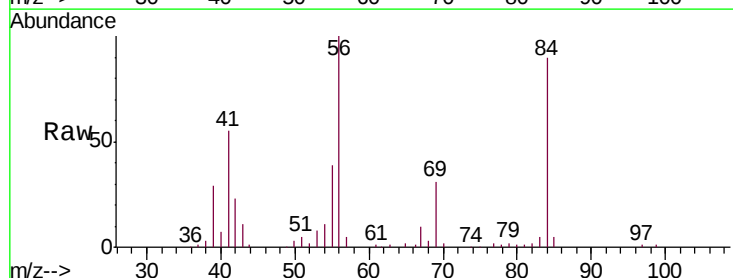
Instrument :
 MSVOA_V
 ClientSampleId :
 VICV36

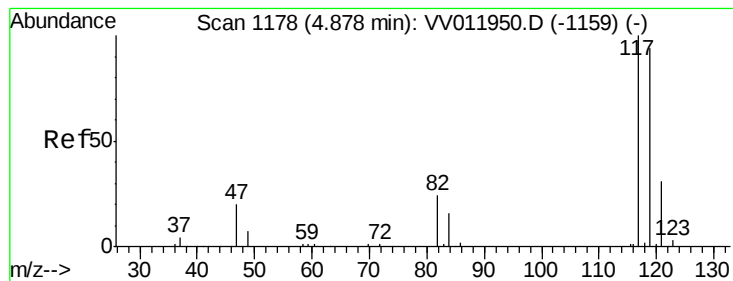
Tgt Ion: 97 Resp: 92191
 Ion Ratio Lower Upper
 97 100
 99 64.4 51.7 77.5
 61 43.3 35.1 52.7



#30
 Cyclohexane
 Concen: 5.117 ug/L
 RT: 4.72 min Scan# 1130
 Delta R.T. -0.00 min
 Lab File: VV011953.D
 Acq: 22 Jul 2019 17:18

Tgt Ion: 56 Resp: 84636
 Ion Ratio Lower Upper
 56 100
 69 31.2 25.4 38.2
 84 92.3 73.4 110.0





#31

Carbon tetrachloride

Concen: 5.215 ug/L

RT: 4.87 min Scan# 1177

Delta R.T. -0.00 min

Lab File: VV011953.D

Acq: 22 Jul 2019 17:18

Instrument :

MSVOA_V

ClientSampleId :

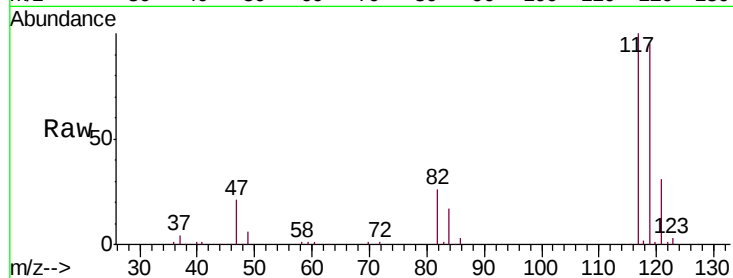
VICV36

Tgt Ion:117 Resp: 82205

Ion Ratio Lower Upper

117 100

119 96.0 76.4 114.6



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V

4.87

30000

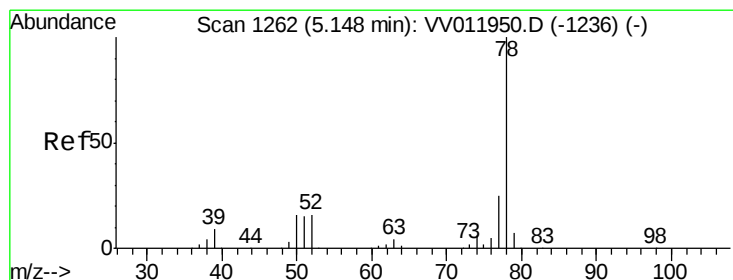
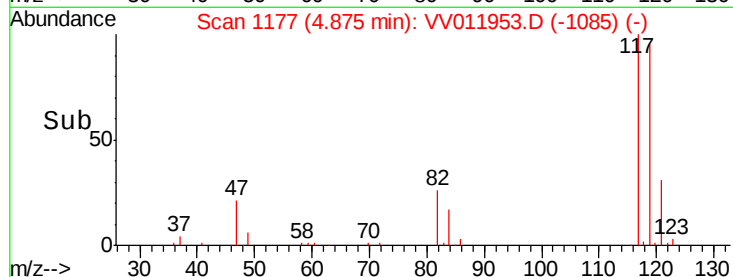
20000

10000

0

4.80 4.90 5.00

Time-->



#33

Benzene

Concen: 5.222 ug/L

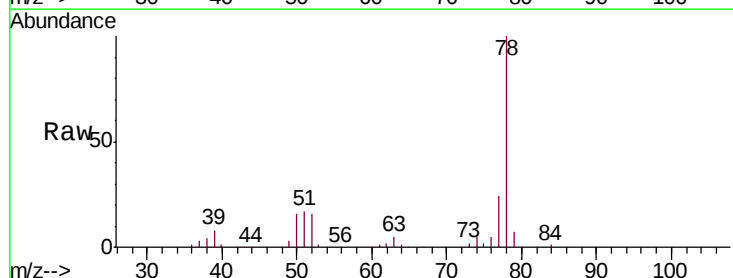
RT: 5.15 min Scan# 1262

Delta R.T. -0.00 min

Lab File: VV011953.D

Acq: 22 Jul 2019 17:18

Tgt Ion: 78 Resp: 210144



Abundance Ion 78.10 (77.80 to 78.80): VV0

5.15

100000

80000

60000

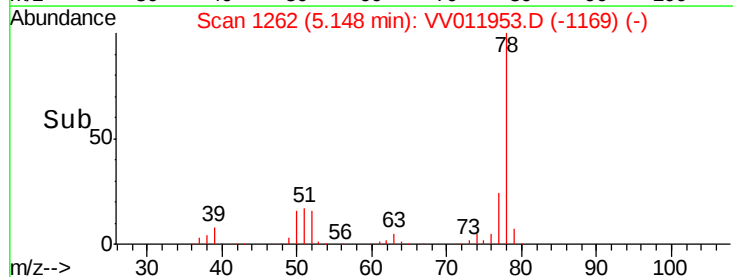
40000

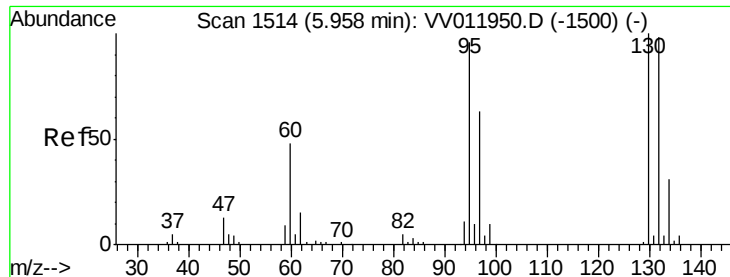
20000

0

5.00 5.10 5.20

Time-->



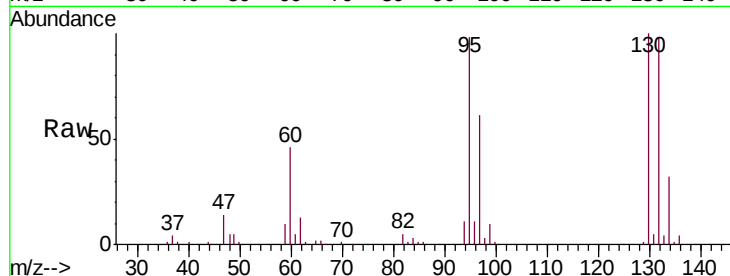


#34
 Trichloroethene
 Concen: 5.292 ug/L
 RT: 5.96 min Scan# 1514
 Delta R.T. -0.00 min
 Lab File: VV011953.D
 Acq: 22 Jul 2019 17:18

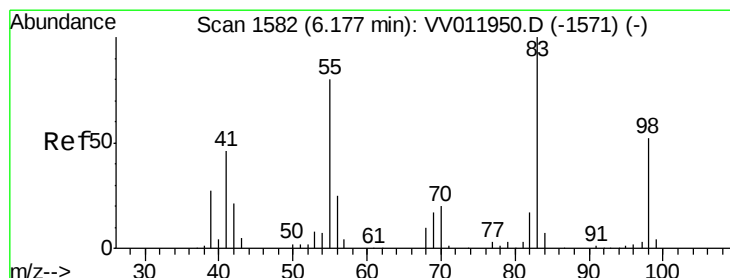
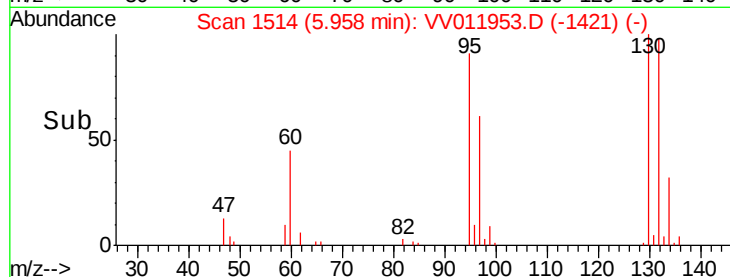
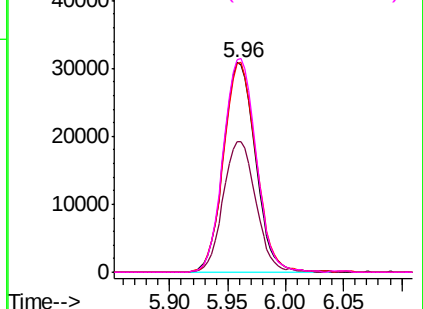
Instrument :
 MSVOA_V
 ClientSampleId :
 VICV36

Tgt Ion: 95 Resp: 59136

Ion	Ratio	Lower	Upper
95	100		
97	62.1	45.6	84.6
132	99.7	71.3	132.3
130	101.5	72.8	135.2



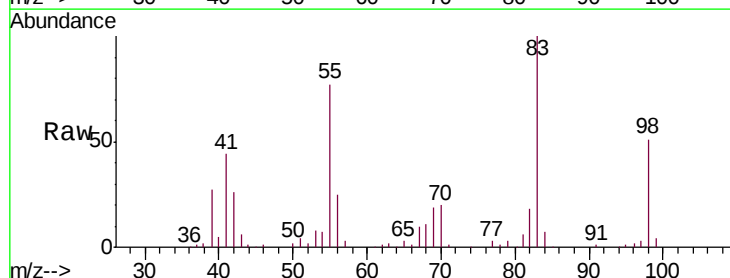
Abundance Ion 95.00 (94.70 to 95.70): VV0
 Ion 96.95 (96.65 to 97.65): VV0
 Ion 131.95 (131.65 to 132.65): VV0
 Ion 129.95 (129.65 to 130.65): VV0



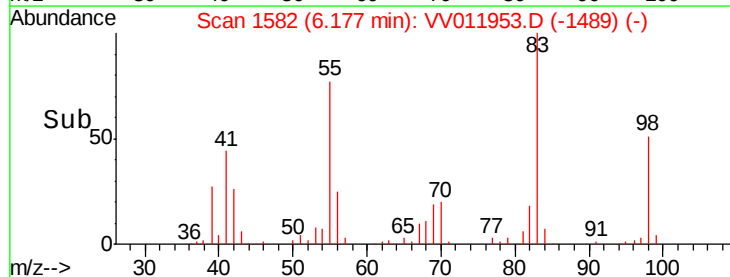
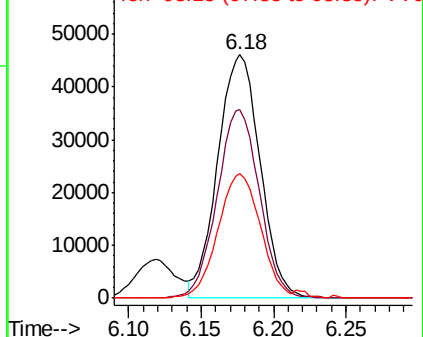
#35
 Methylcyclohexane
 Concen: 5.402 ug/L
 RT: 6.18 min Scan# 1582
 Delta R.T. -0.00 min
 Lab File: VV011953.D
 Acq: 22 Jul 2019 17:18

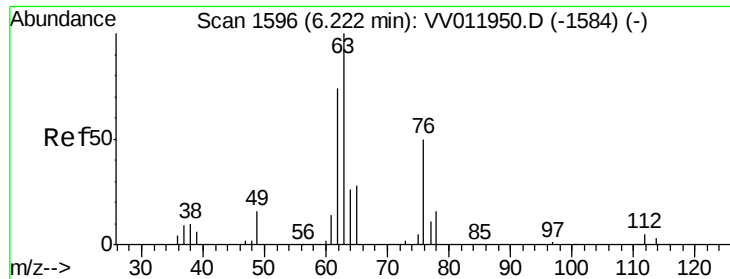
Tgt Ion: 83 Resp: 93955

Ion	Ratio	Lower	Upper
83	100		
55	77.1	63.0	94.4
98	51.1	41.4	62.0



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

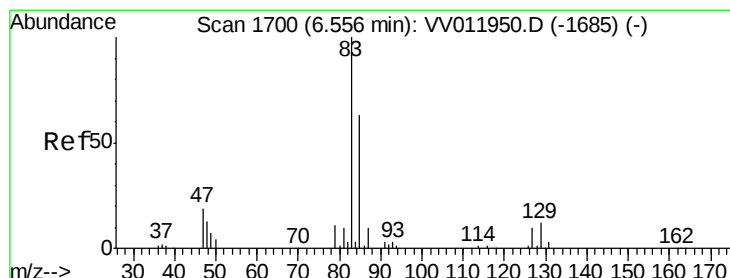
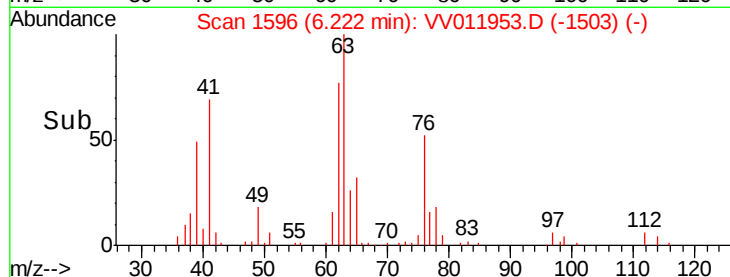
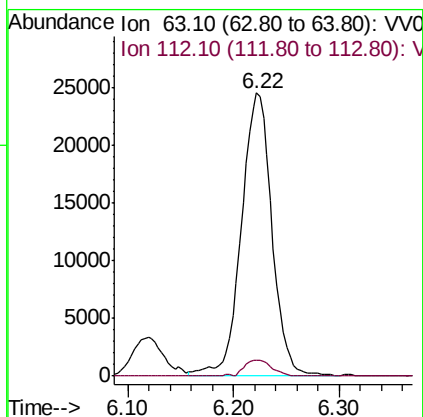
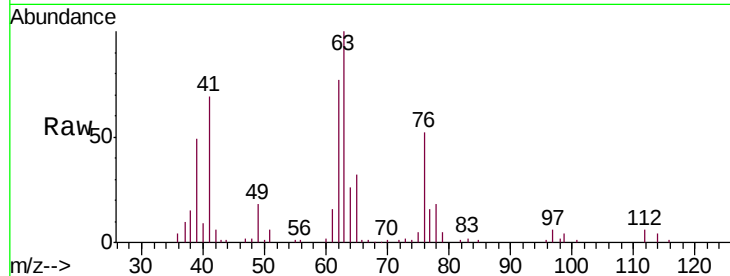




#37
 1,2-Dichloropropane
 Concen: 5.118 ug/L
 RT: 6.22 min Scan# 1596
 Delta R.T. -0.00 min
 Lab File: VV011953.D
 Acq: 22 Jul 2019 17:18

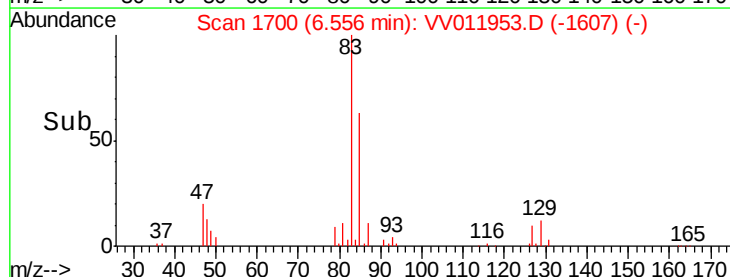
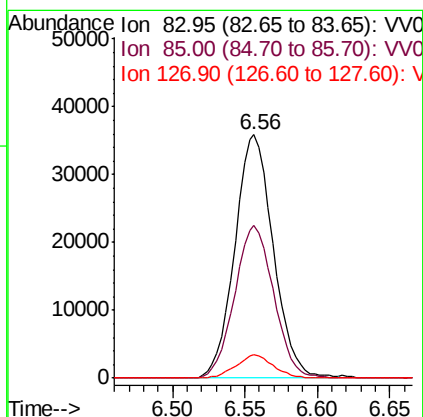
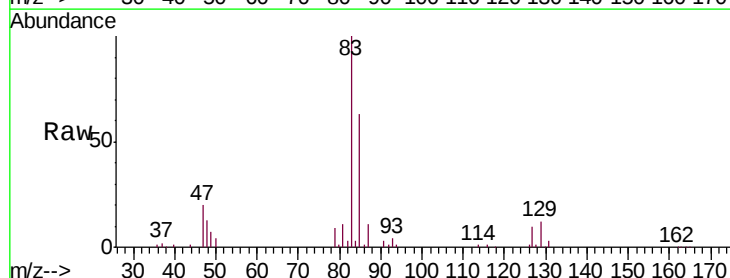
Instrument :
 MSVOA_V
 ClientSampleId :
 VICV36

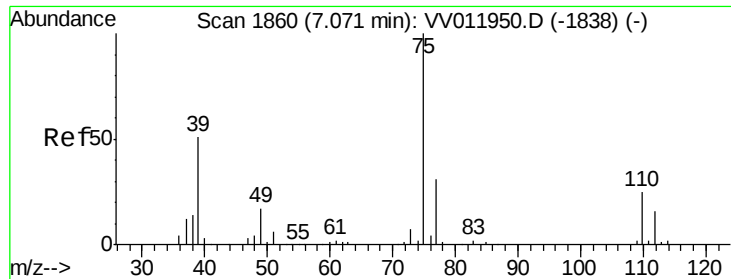
Tgt Ion: 63 Resp: 49516
 Ion Ratio Lower Upper
 63 100
 112 5.0 4.2 6.4



#38
 Bromodichloromethane
 Concen: 5.116 ug/L
 RT: 6.56 min Scan# 1700
 Delta R.T. -0.00 min
 Lab File: VV011953.D
 Acq: 22 Jul 2019 17:18

Tgt Ion: 83 Resp: 66129
 Ion Ratio Lower Upper
 83 100
 85 62.7 44.4 82.4
 127 9.7 7.9 11.9

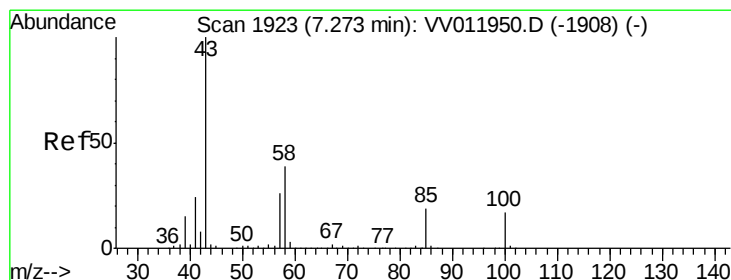
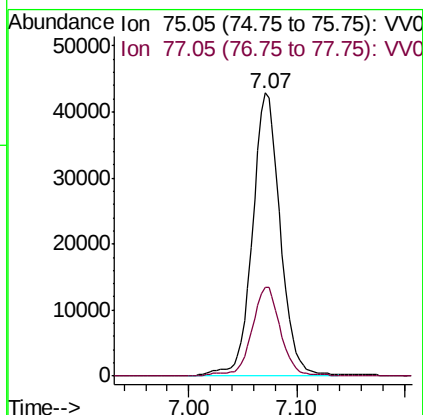
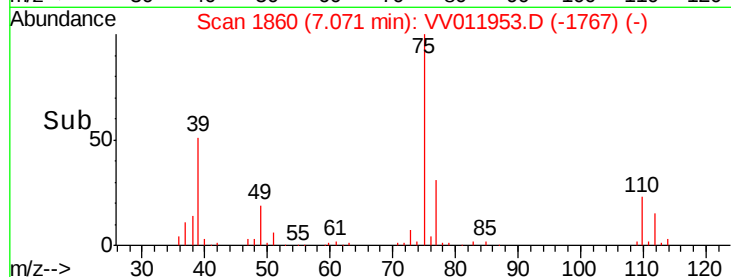
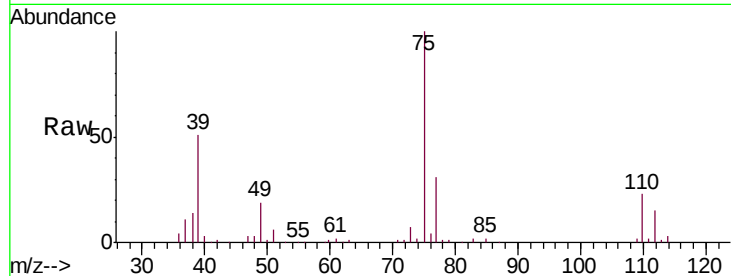




#39
 cis-1,3-Dichloropropene
 Concen: 5.355 ug/L
 RT: 7.07 min Scan# 1860
 Delta R.T. -0.00 min
 Lab File: VV011953.D
 Acq: 22 Jul 2019 17:18

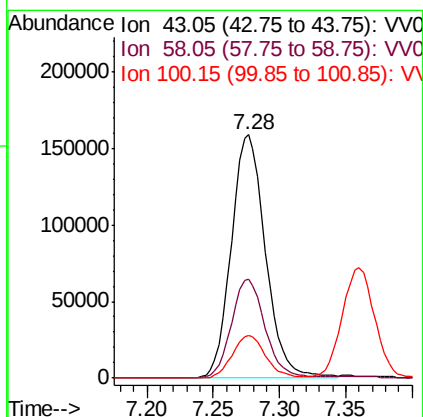
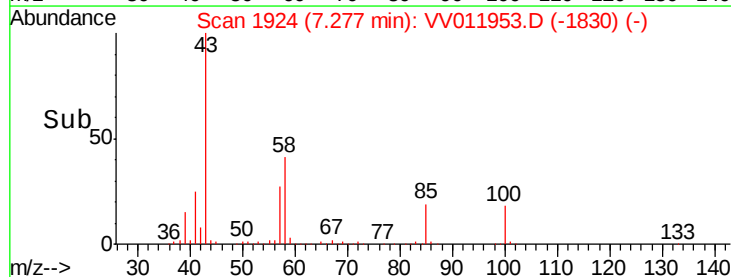
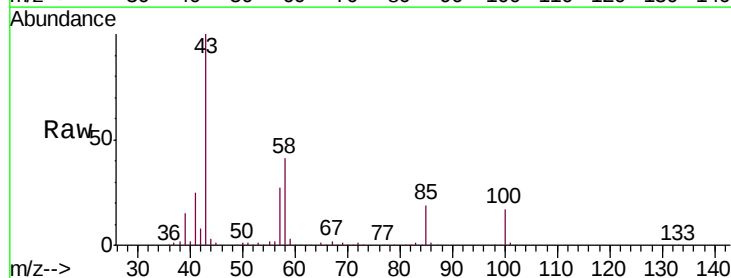
Instrument :
 MSVOA_V
 ClientSampleId :
 VICV36

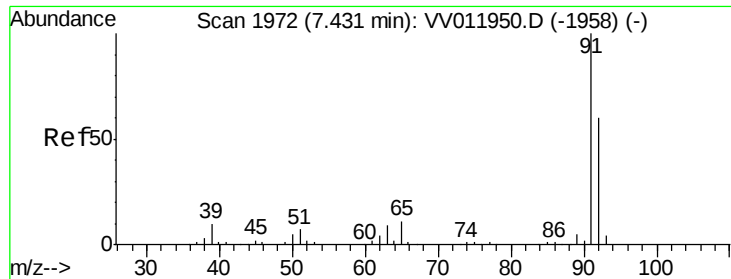
Tgt Ion: 75 Resp: 76786
 Ion Ratio Lower Upper
 75 100
 77 31.4 21.3 39.6



#40
 4-Methyl-2-pentanone
 Concen: 52.741 ug/L
 RT: 7.28 min Scan# 1924
 Delta R.T. 0.00 min
 Lab File: VV011953.D
 Acq: 22 Jul 2019 17:18

Tgt Ion: 43 Resp: 285085
 Ion Ratio Lower Upper
 43 100
 58 39.9 31.2 46.8
 100 17.1 13.5 20.3





#42

Toluene

Concen: 5.368 ug/L

RT: 7.43 min Scan# 1972

Delta R.T. -0.00 min

Lab File: VV011953.D

Acq: 22 Jul 2019 17:18

Instrument :

MSVOA_V

ClientSampleId :

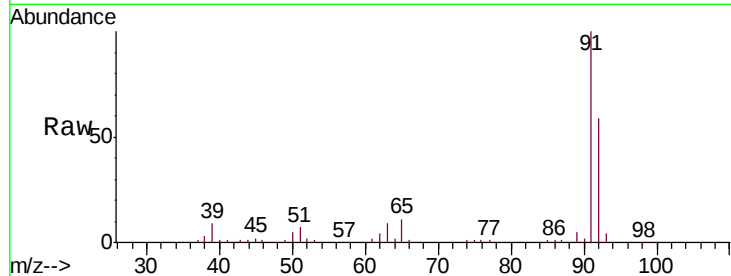
VICV36

Tgt Ion: 91 Resp: 231883

Ion Ratio Lower Upper

91 100

92 59.1 41.9 77.9



Abundance Ion 91.15 (90.85 to 91.85): VV0

Ion 92.15 (91.85 to 92.85): VV0

7.43

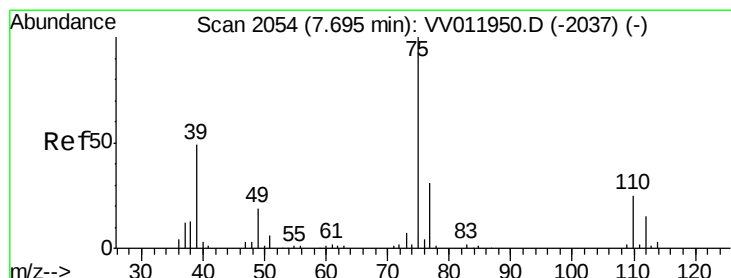
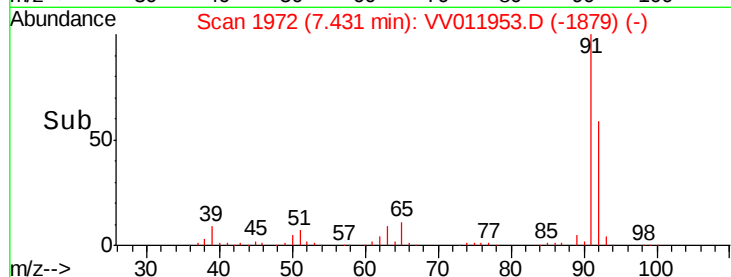
150000

100000

50000

0

Time-->



#44

trans-1,3-Dichloropropene

Concen: 5.310 ug/L

RT: 7.69 min Scan# 2054

Delta R.T. -0.00 min

Lab File: VV011953.D

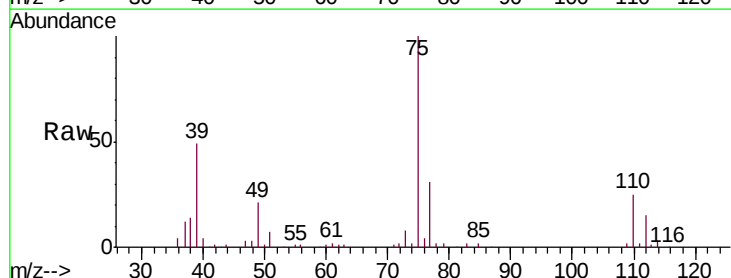
Acq: 22 Jul 2019 17:18

Tgt Ion: 75 Resp: 60567

Ion Ratio Lower Upper

75 100

77 31.4 22.0 40.8



Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 77.05 (76.75 to 77.75): VV0

7.69

40000

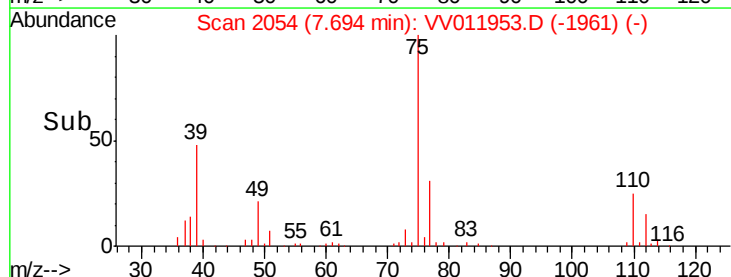
30000

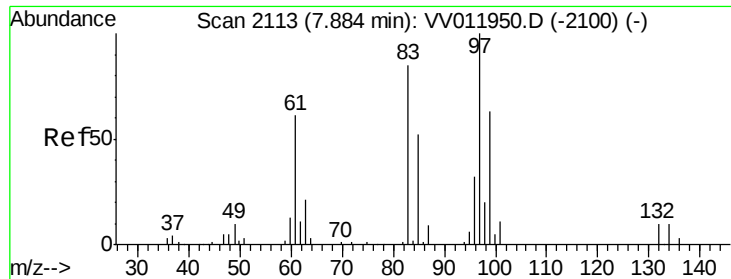
20000

10000

0

Time-->

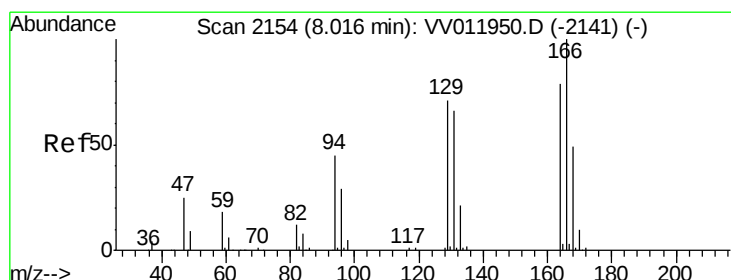
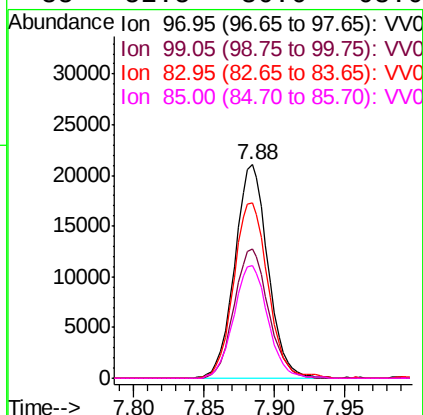
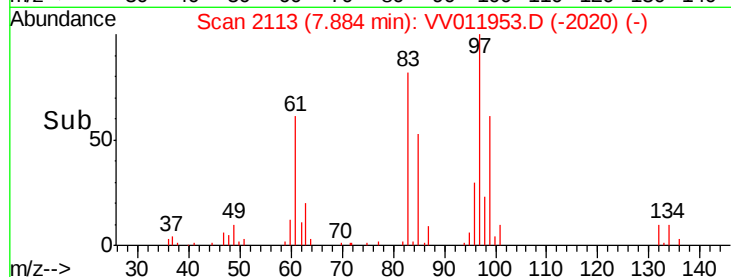
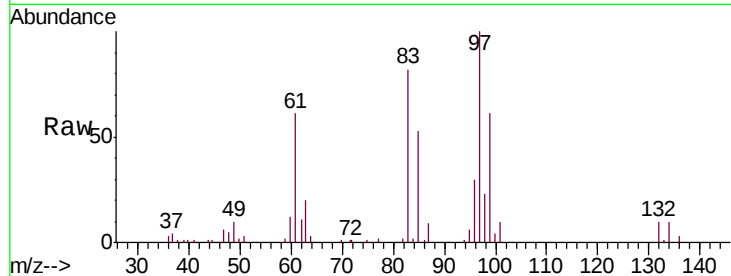




#45
 1,1,2-Trichloroethane
 Concen: 5.204 ug/L
 RT: 7.88 min Scan# 2113
 Delta R.T. -0.00 min
 Lab File: VV011953.D
 Acq: 22 Jul 2019 17:18

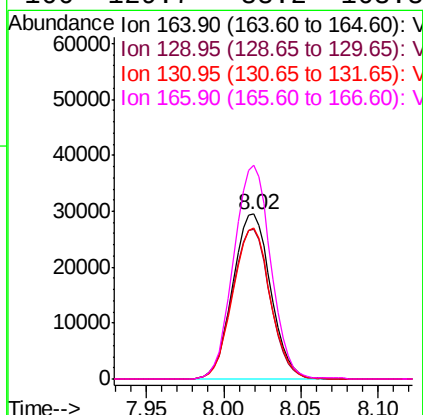
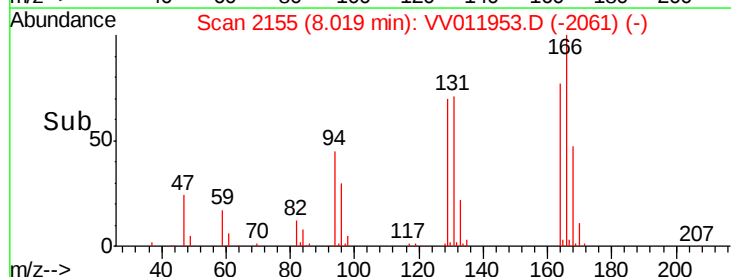
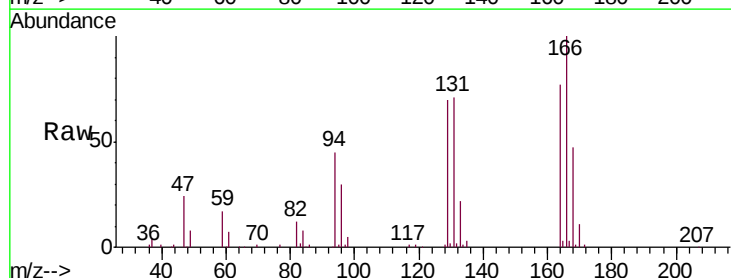
Instrument :
 MSVOA_V
 ClientSampleId :
 VICV36

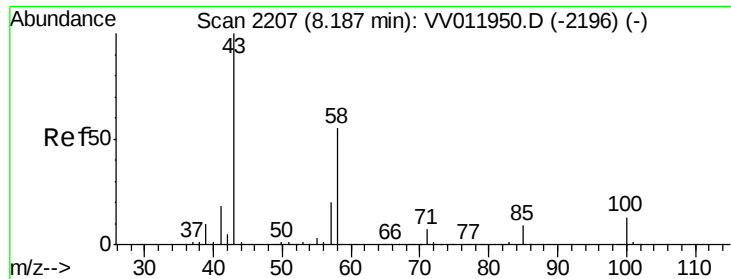
Tgt Ion:	97	Resp:	34773
Ion	Ratio	Lower	Upper
97	100		
99	60.7	44.0	81.8
83	82.4	59.5	110.5
85	52.5	36.6	68.0



#47
 Tetrachloroethene
 Concen: 5.224 ug/L
 RT: 8.02 min Scan# 2155
 Delta R.T. 0.00 min
 Lab File: VV011953.D
 Acq: 22 Jul 2019 17:18

Tgt Ion:	164	Resp:	50375
Ion	Ratio	Lower	Upper
164	100		
129	91.2	62.5	116.1
131	92.1	58.6	108.8
166	129.7	88.2	163.8

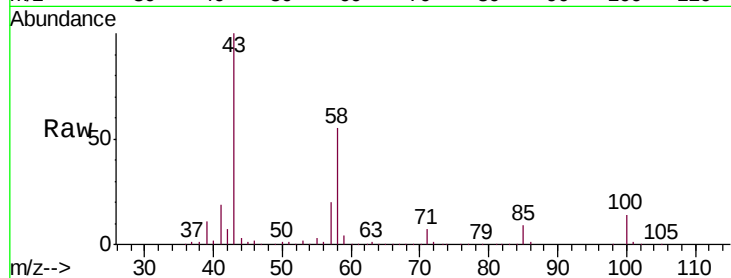




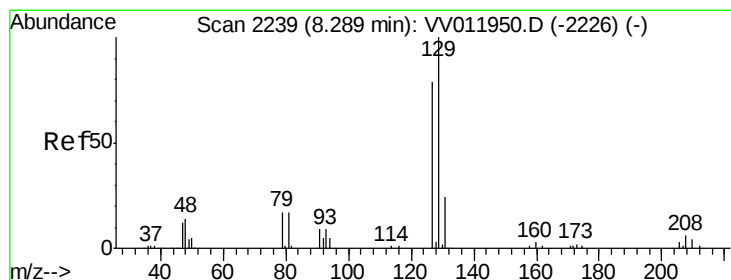
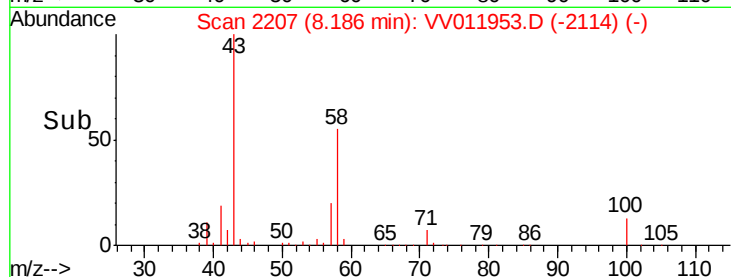
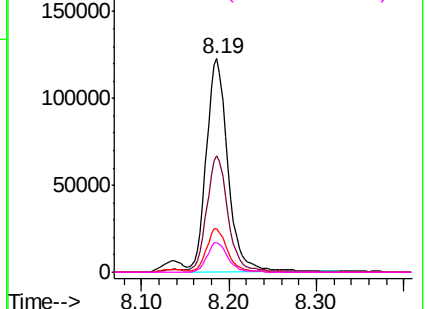
#48
2-Hexanone
Concen: 55.307 ug/L
RT: 8.19 min Scan# 2207
Delta R.T. -0.00 min
Lab File: VV011953.D
Acq: 22 Jul 2019 17:18

Instrument :
MSVOA_V
ClientSampleId :
VICV36

Tgt Ion:	43	Resp:	209717
Ion	Ratio	Lower	Upper
43	100		
58	53.3	43.7	65.5
57	19.4	16.0	24.0
100	13.6	10.5	15.7

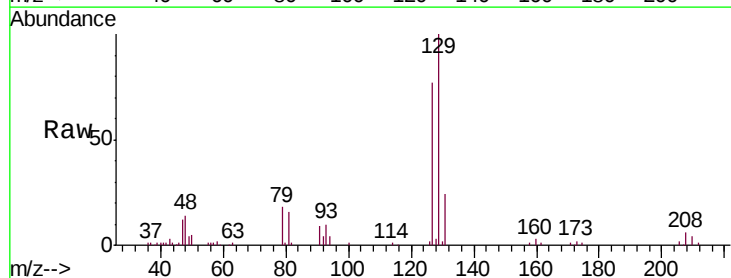


Abundance Ion 43.05 (42.75 to 43.75): VV011953.D (-2114) (-)
Ion 58.05 (57.75 to 58.75): VV011953.D (-2114) (-)
Ion 57.20 (56.90 to 57.90): VV011953.D (-2114) (-)
Ion 100.15 (99.85 to 100.85): VV011953.D (-2114) (-)

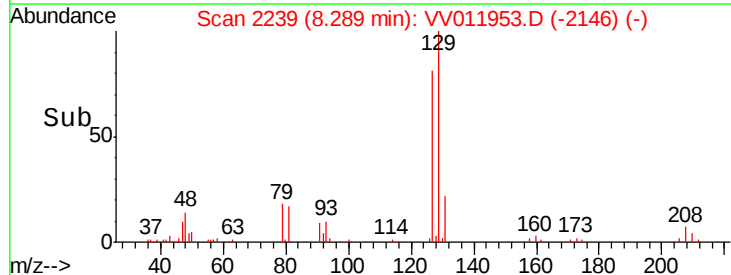
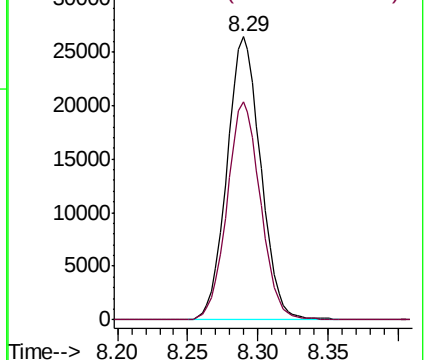


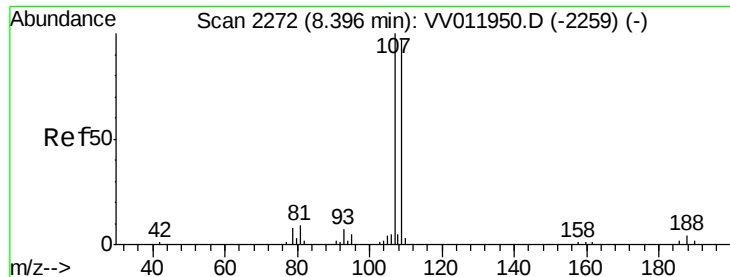
#49
Dibromochloromethane
Concen: 5.406 ug/L
RT: 8.29 min Scan# 2239
Delta R.T. -0.00 min
Lab File: VV011953.D
Acq: 22 Jul 2019 17:18

Tgt Ion:	129	Resp:	44226
Ion	Ratio	Lower	Upper
129	100		
127	77.3	55.3	102.7



Abundance Ion 128.95 (128.65 to 129.65): VV011953.D (-2146) (-)
Ion 126.90 (126.60 to 127.60): VV011953.D (-2146) (-)

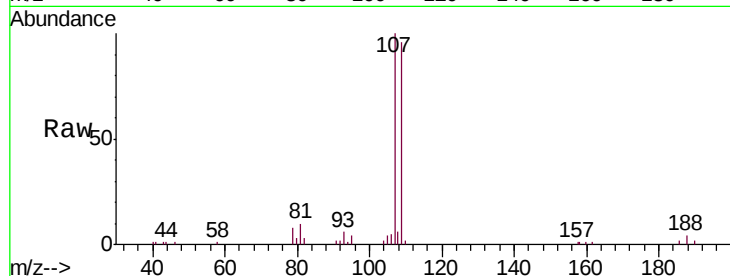




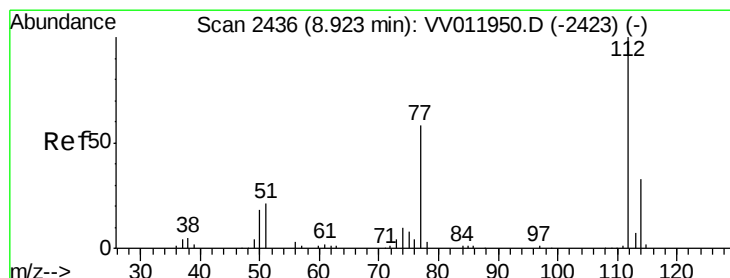
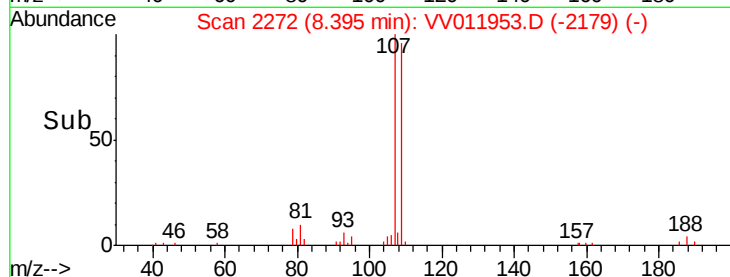
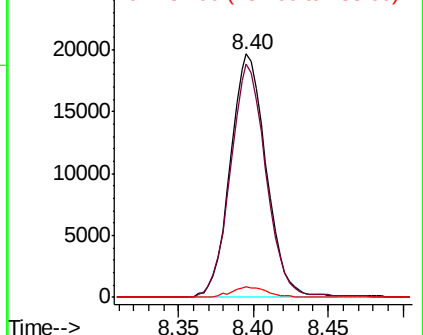
#50
1,2-Dibromoethane
Concen: 5.208 ug/L
RT: 8.40 min Scan# 2272
Delta R.T. -0.00 min
Lab File: VV011953.D
Acq: 22 Jul 2019 17:18

Instrument :
MSVOA_V
ClientSampled :
VICV36

Tgt Ion:107 Resp: 32855
Ion Ratio Lower Upper
107 100
109 95.6 68.1 126.5
188 4.3 3.5 5.3

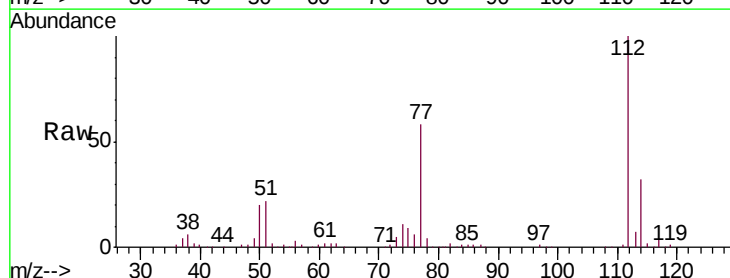


Abundance Ion 106.95 (106.65 to 107.65): V
Ion 109.00 (108.70 to 109.70): V
Ion 187.90 (187.60 to 188.60): V

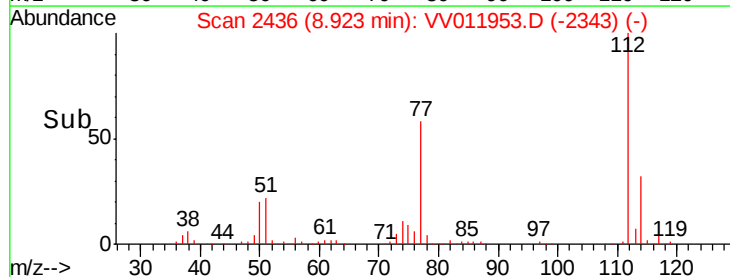
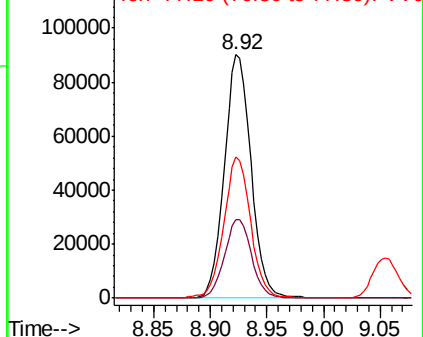


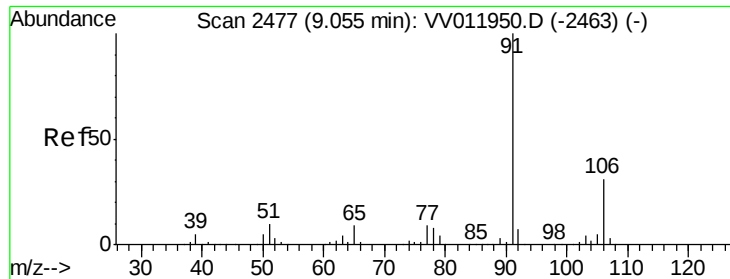
#51
Chlorobenzene
Concen: 5.232 ug/L
RT: 8.92 min Scan# 2436
Delta R.T. -0.00 min
Lab File: VV011953.D
Acq: 22 Jul 2019 17:18

Tgt Ion:112 Resp: 147982
Ion Ratio Lower Upper
112 100
114 32.2 23.0 42.8
77 58.0 46.4 69.6



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): VV0





#52

Ethylbenzene

Concen: 5.292 ug/L

RT: 9.05 min Scan# 2477

Delta R.T. -0.00 min

Lab File: VV011953.D

Acq: 22 Jul 2019 17:18

Instrument :

MSVOA_V

ClientSampleId :

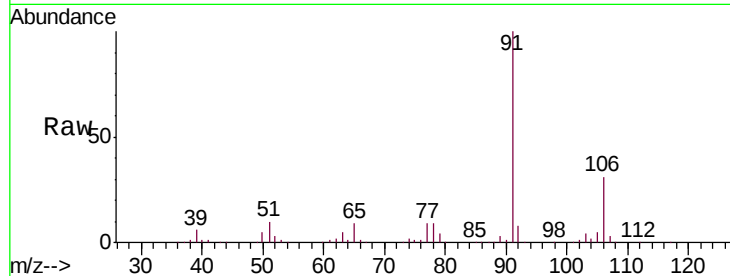
VICV36

Tgt Ion: 91 Resp: 260906

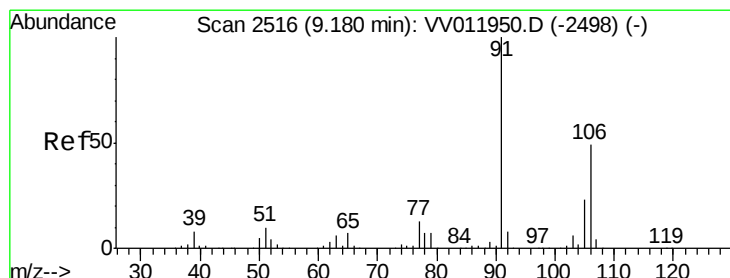
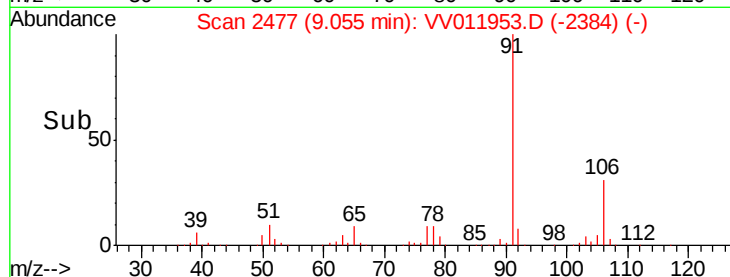
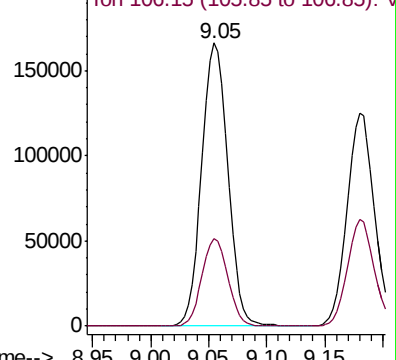
Ion Ratio Lower Upper

91 100

106 30.8 21.6 40.0



Abundance Ion 91.15 (90.85 to 91.85): VV011953.D (-2463) (-)



#53

m,p-xylene

Concen: 5.448 ug/L

RT: 9.18 min Scan# 2516

Delta R.T. -0.00 min

Lab File: VV011953.D

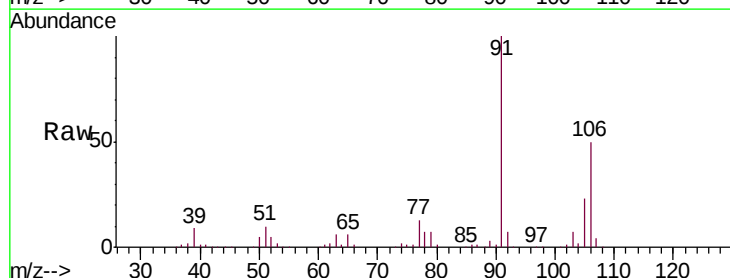
Acq: 22 Jul 2019 17:18

Tgt Ion: 106 Resp: 102235

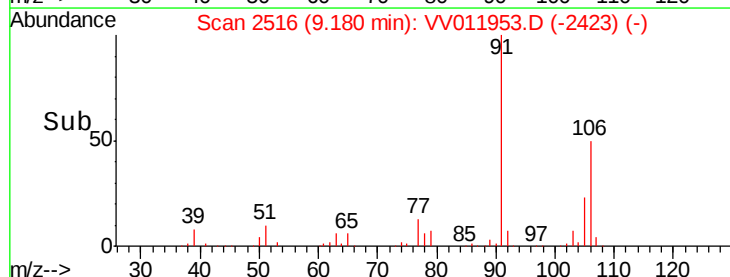
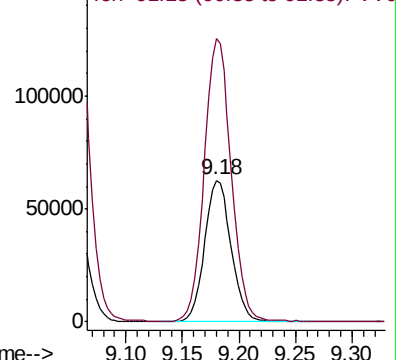
Ion Ratio Lower Upper

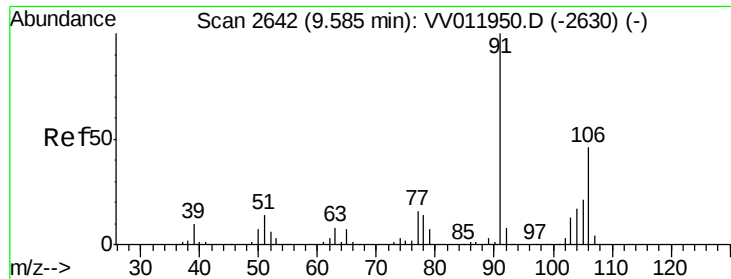
106 100

91 199.6 142.7 265.1



Abundance Ion 106.15 (105.85 to 106.85): VV011953.D (-2498) (-)

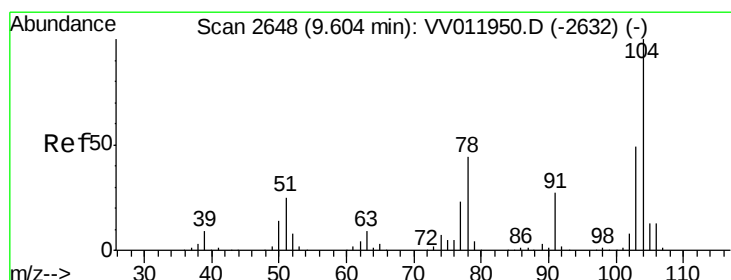
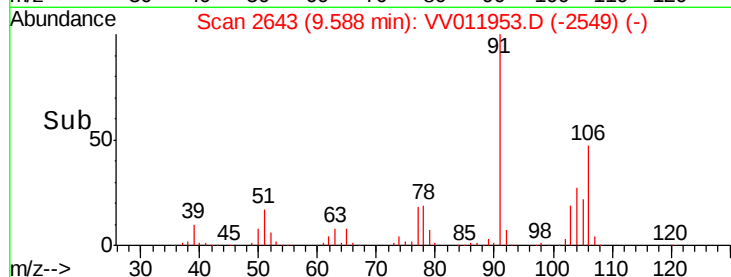
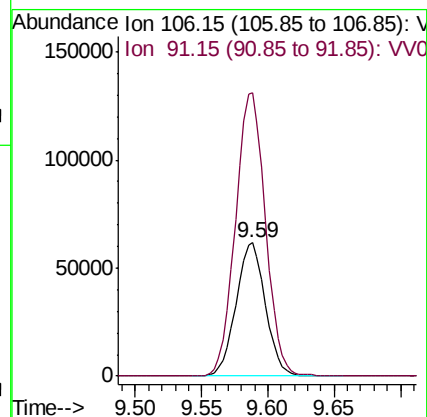
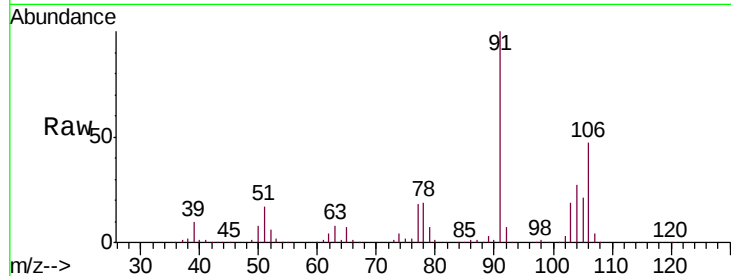




#54
o-xylene
Concen: 5.333 ug/L
RT: 9.59 min Scan# 2643
Delta R.T. 0.00 min
Lab File: VV011953.D
Acq: 22 Jul 2019 17:18

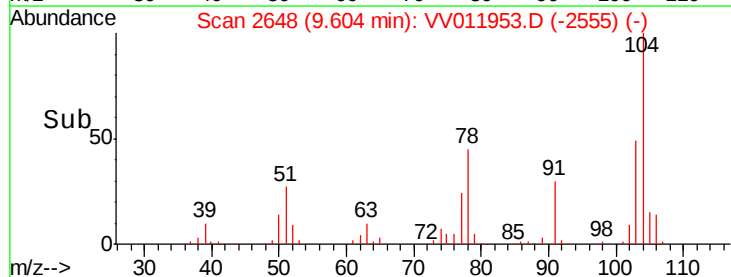
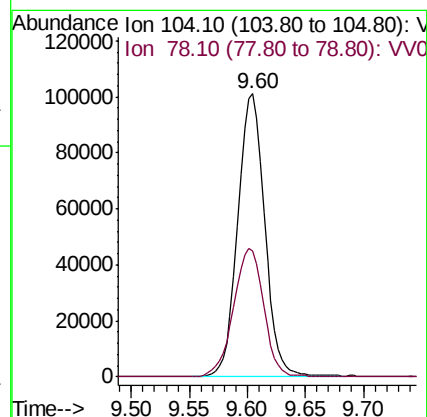
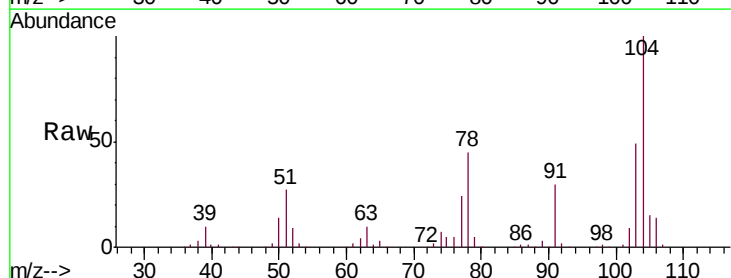
Instrument :
MSVOA_V
ClientSampleId :
VICV36

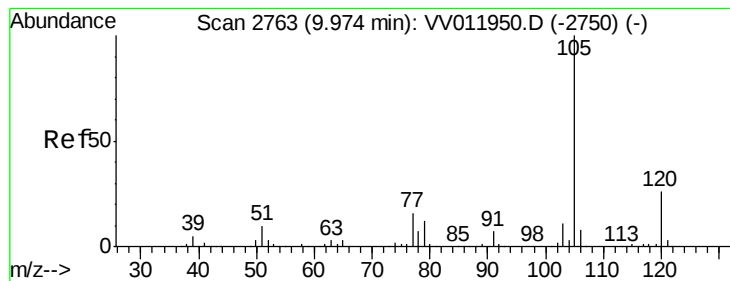
Tgt Ion:106 Resp: 94905
Ion Ratio Lower Upper
106 100
91 212.1 151.0 280.4



#55
Styrene
Concen: 5.443 ug/L
RT: 9.60 min Scan# 2648
Delta R.T. -0.00 min
Lab File: VV011953.D
Acq: 22 Jul 2019 17:18

Tgt Ion:104 Resp: 163210
Ion Ratio Lower Upper
104 100
78 44.5 30.8 57.2





#56

Isopropylbenzene

Concen: 5.343 ug/L

RT: 9.97 min Scan# 2763

Delta R.T. -0.00 min

Lab File: VV011953.D

Acq: 22 Jul 2019 17:18

Instrument :

MSVOA_V

ClientSampleId :

VICV36

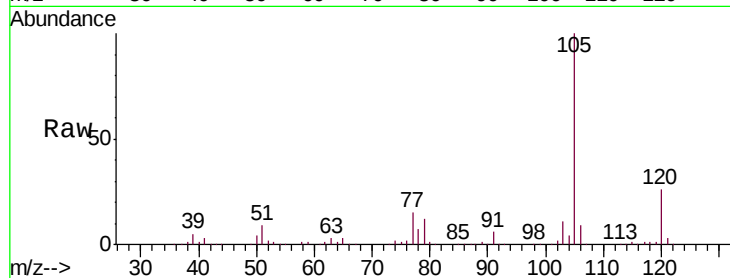
Tgt Ion: 105 Resp: 265499

Ion Ratio Lower Upper

105 100

120 26.1 20.8 31.2

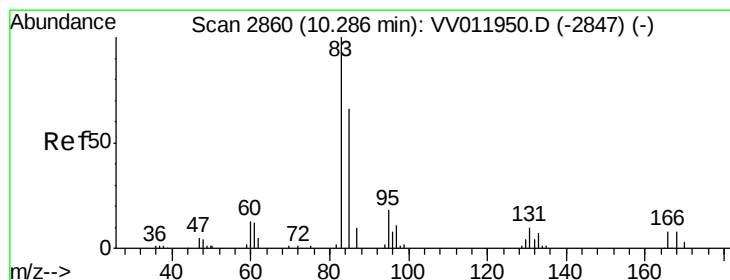
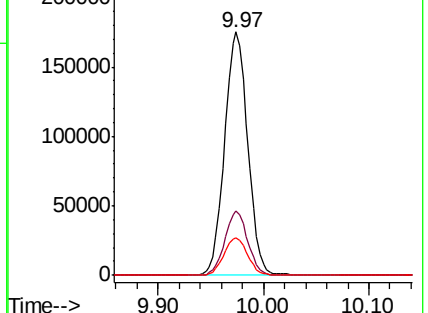
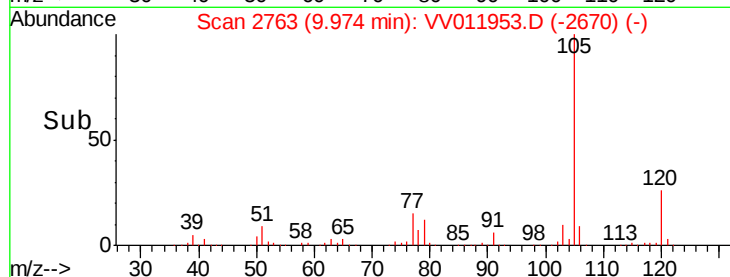
77 15.9 12.6 19.0



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



#58

1,1,2,2-Tetrachloroethane

Concen: 5.250 ug/L

RT: 10.29 min Scan# 2860

Delta R.T. -0.00 min

Lab File: VV011953.D

Acq: 22 Jul 2019 17:18

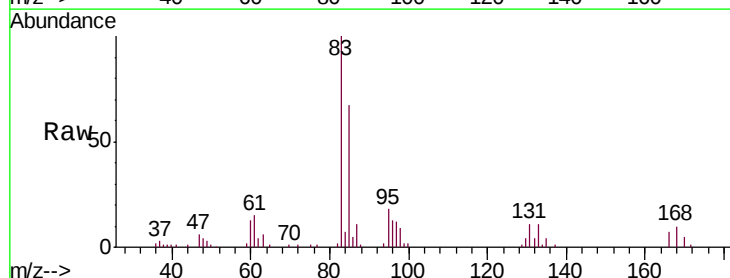
Tgt Ion: 83 Resp: 38017

Ion Ratio Lower Upper

83 100

85 66.6 46.3 85.9

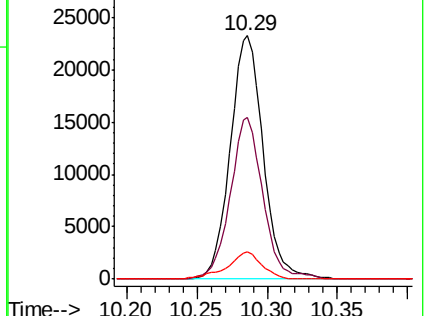
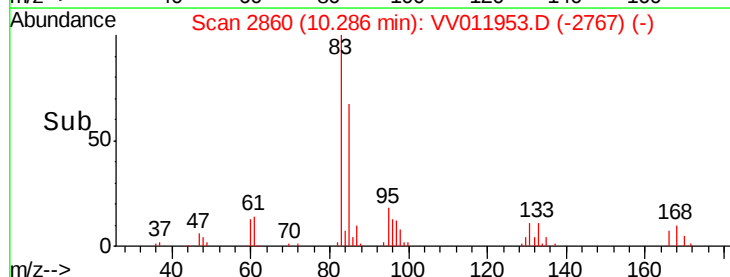
131 11.1 8.9 13.3

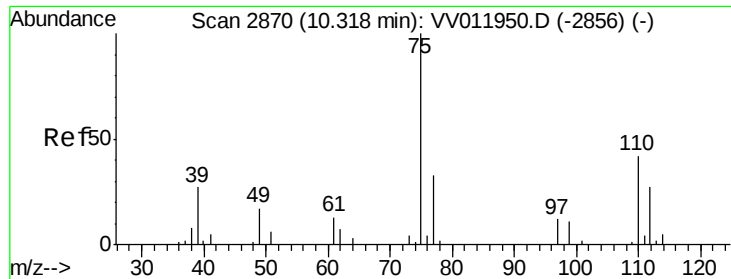


Abundance Ion 82.95 (82.65 to 83.65): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 130.95 (130.65 to 131.65): V





#59

1,2,3-Trichloropropane

Concen: 5.316 ug/L

RT: 10.32 min Scan# 2870

Delta R.T. -0.00 min

Lab File: VV011953.D

Acq: 22 Jul 2019 17:18

Instrument :

MSVOA_V

ClientSampleId :

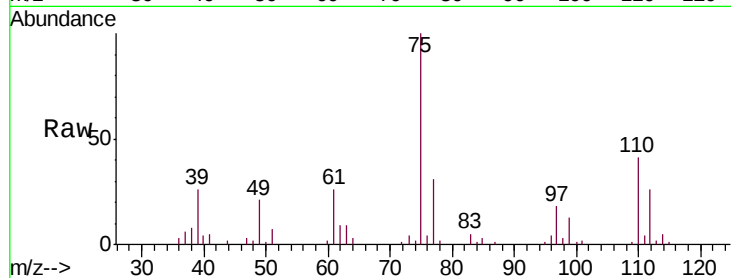
VICV36

Tgt Ion: 75 Resp: 29994

Ion Ratio Lower Upper

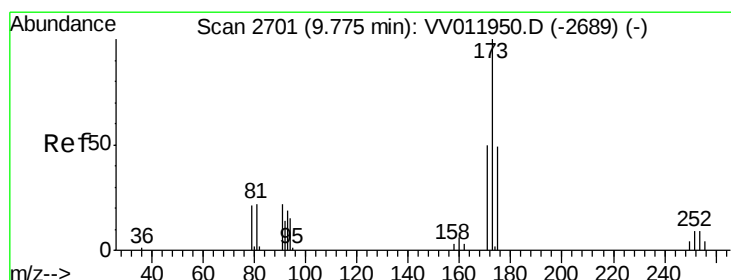
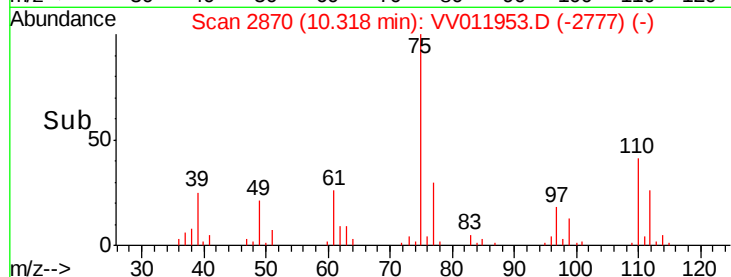
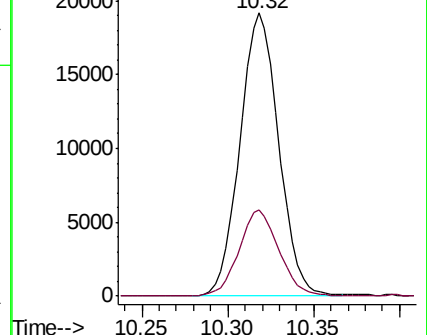
75 100

77 31.2 26.2 39.2



Abundance Ion 75.00 (74.70 to 75.70): VV011950.D (-2856) (-)

Ion 77.00 (76.70 to 77.70): VV011950.D (-2856) (-)



#61

Bromoform

Concen: 5.154 ug/L

RT: 9.77 min Scan# 2701

Delta R.T. -0.00 min

Lab File: VV011953.D

Acq: 22 Jul 2019 17:18

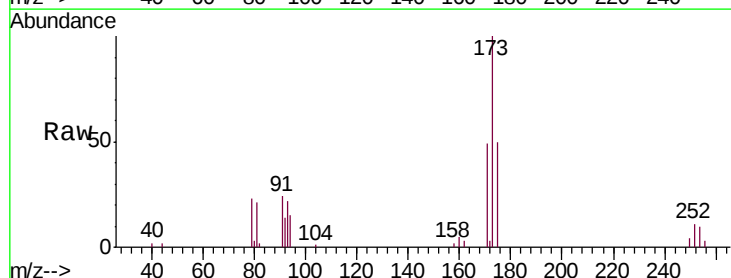
Tgt Ion: 173 Resp: 23009

Ion Ratio Lower Upper

173 100

175 49.6 39.6 59.4

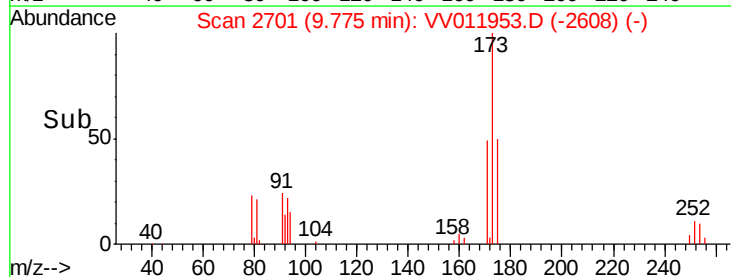
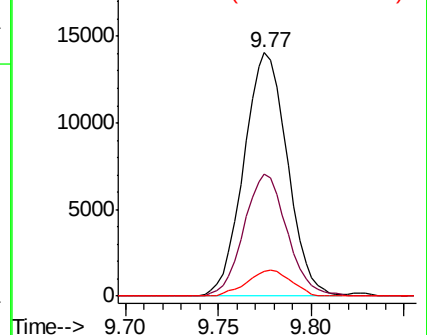
254 10.6 7.9 11.9

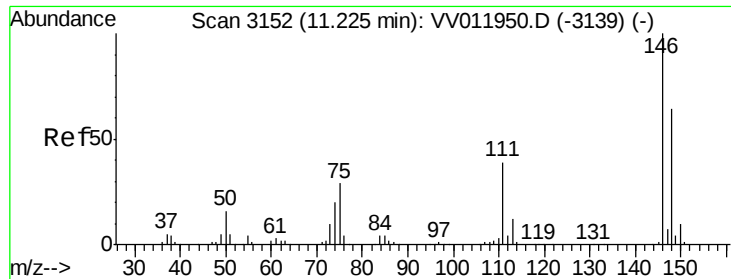


Abundance Ion 172.90 (172.60 to 173.60): VV011950.D (-2689) (-)

Ion 174.90 (174.60 to 175.60): VV011950.D (-2689) (-)

Ion 253.75 (253.45 to 254.45): VV011950.D (-2689) (-)





#62

1,3-Dichlorobenzene

Concen: 5.244 ug/L

RT: 11.22 min Scan# 3152

Delta R.T. -0.00 min

Lab File: VV011953.D

Acq: 22 Jul 2019 17:18

Instrument :

MSVOA_V

ClientSampleId :

VICV36

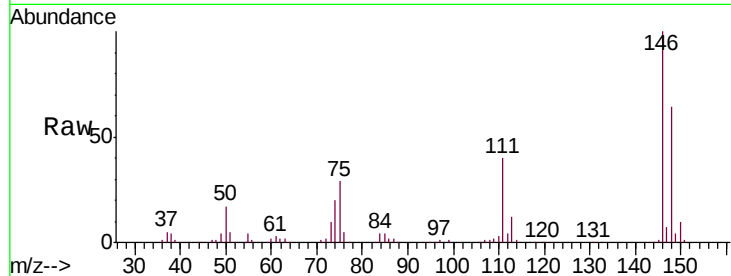
Tgt Ion:146 Resp: 124759

Ion Ratio Lower Upper

146 100

111 40.1 27.1 50.3

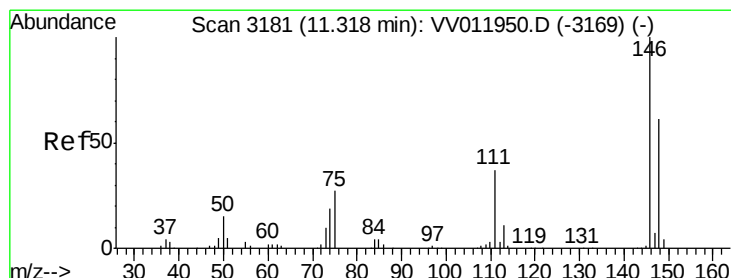
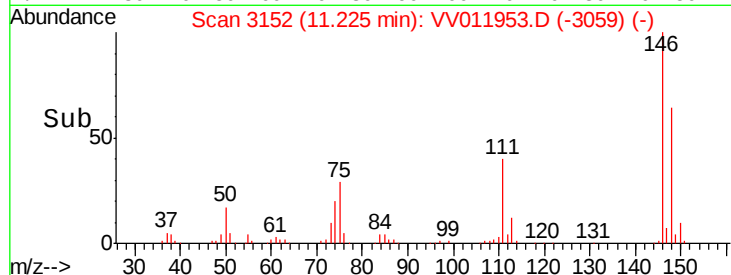
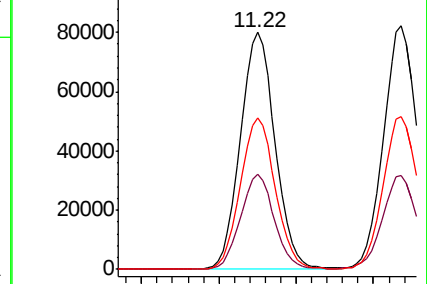
148 63.8 44.5 82.7



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



#63

1,4-Dichlorobenzene

Concen: 5.169 ug/L

RT: 11.32 min Scan# 3181

Delta R.T. -0.00 min

Lab File: VV011953.D

Acq: 22 Jul 2019 17:18

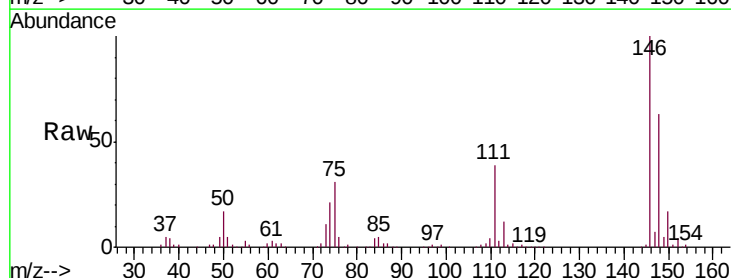
Tgt Ion:146 Resp: 126586

Ion Ratio Lower Upper

146 100

111 38.6 26.0 48.2

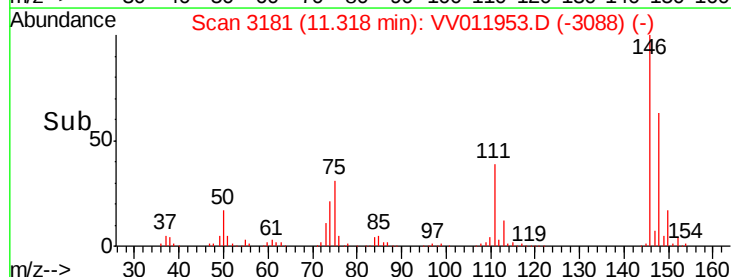
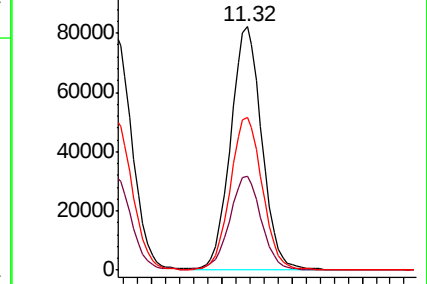
148 63.0 43.0 80.0

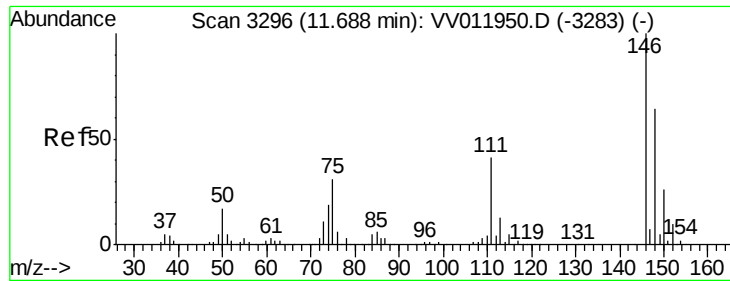


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 5.325 ug/L

RT: 11.69 min Scan# 3296

Delta R.T. -0.00 min

Lab File: VV011953.D

Acq: 22 Jul 2019 17:18

Instrument :

MSVOA_V

ClientSampled :

VICV36

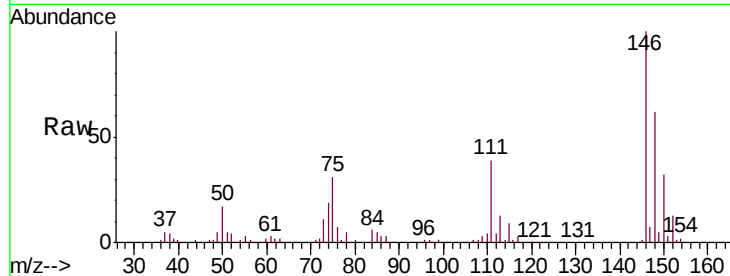
Tgt Ion:146 Resp: 116615

Ion Ratio Lower Upper

146 100

111 39.4 32.5 48.7

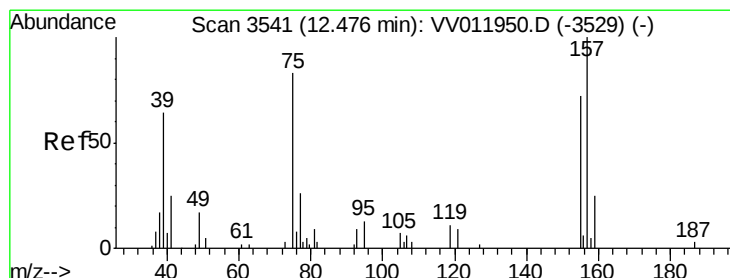
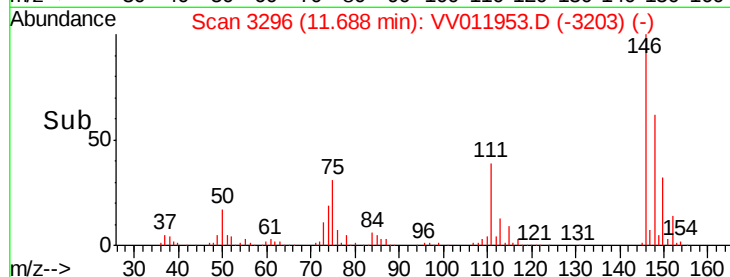
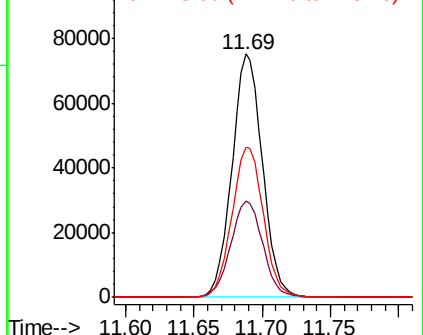
148 61.7 51.4 77.0



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#66

1,2-Dibromo-3-chloropropane

Concen: 5.321 ug/L

RT: 12.48 min Scan# 3541

Delta R.T. -0.00 min

Lab File: VV011953.D

Acq: 22 Jul 2019 17:18

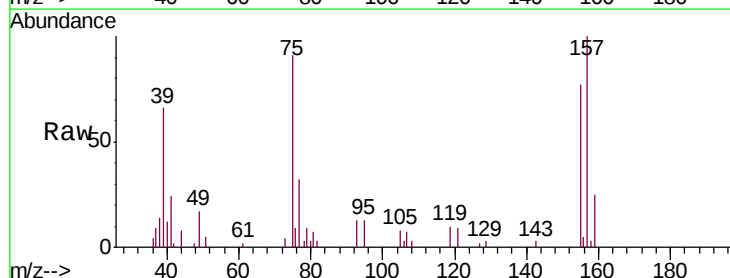
Tgt Ion: 75 Resp: 6770

Ion Ratio Lower Upper

75 100

155 85.5 69.5 104.3

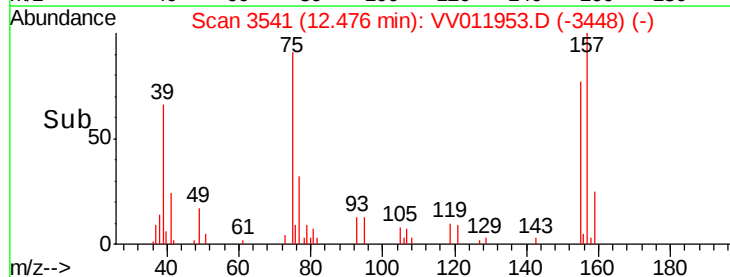
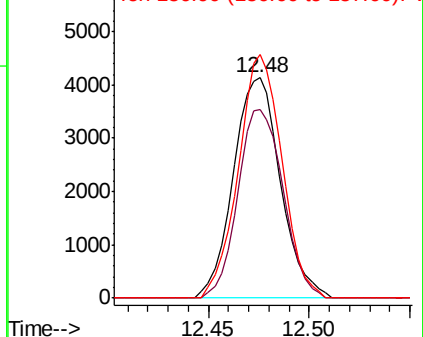
157 110.5 96.2 144.2

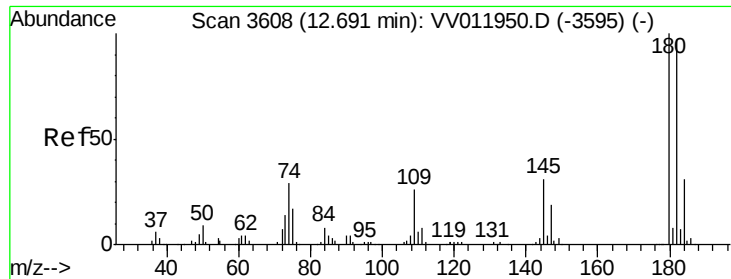


Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V

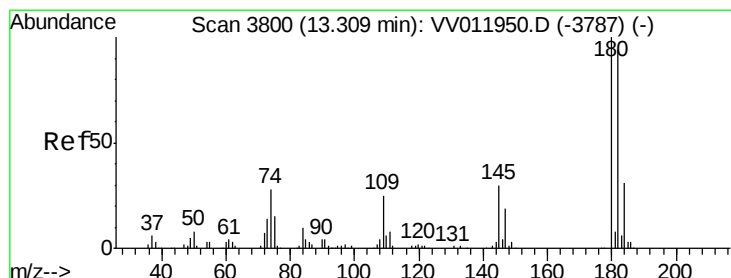
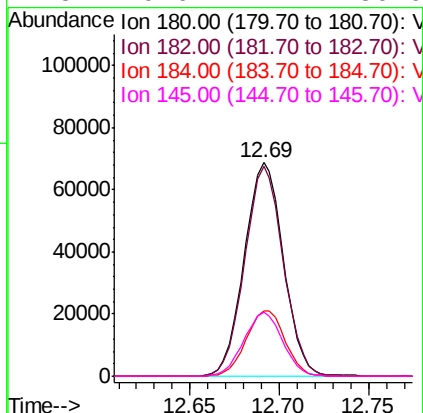
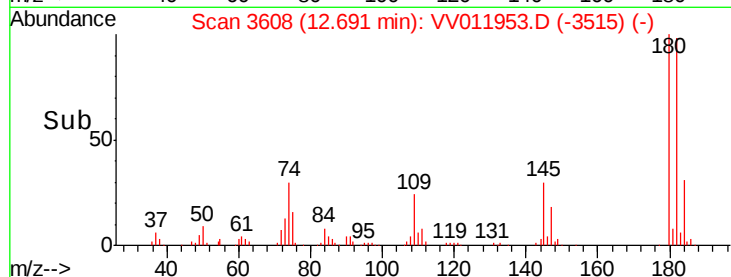
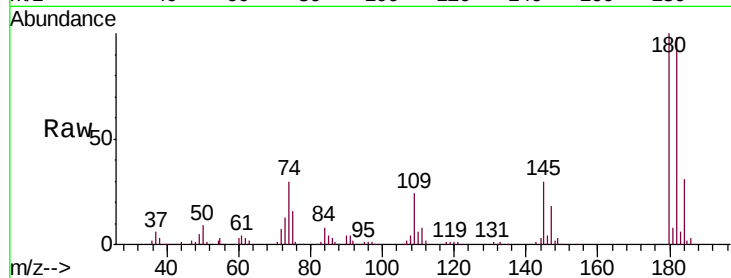




#67
 1,3,5-Trichlorobenzene
 Concen: 5.290 ug/L
 RT: 12.69 min Scan# 3608
 Delta R.T. -0.00 min
 Lab File: VV011953.D
 Acq: 22 Jul 2019 17:18

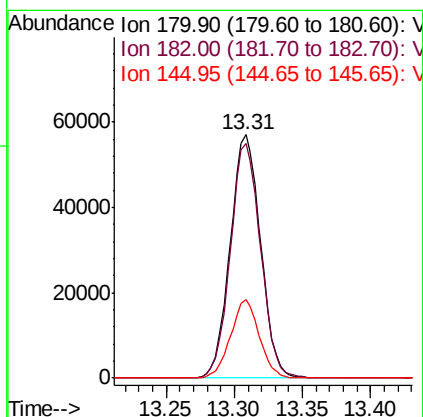
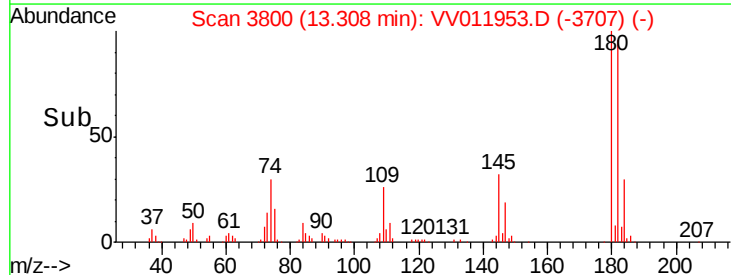
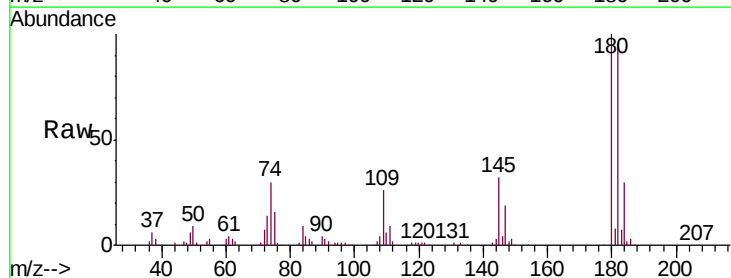
Instrument :
 MSVOA_V
 ClientSampleId :
 VICV36

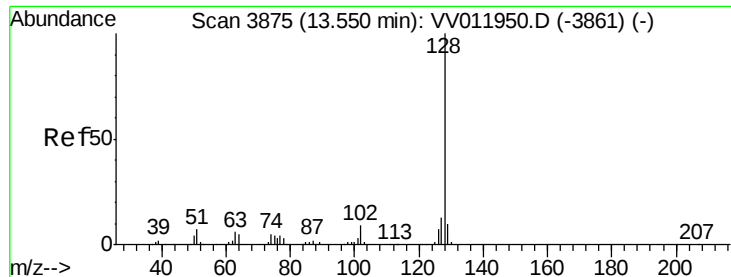
Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.9	77.4	116.0
184	30.5	25.2	37.8
145	29.6	24.4	36.6



#68
 1,2,4-trichlorobenzene
 Concen: 5.449 ug/L
 RT: 13.31 min Scan# 3800
 Delta R.T. -0.00 min
 Lab File: VV011953.D
 Acq: 22 Jul 2019 17:18

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.8	75.8	113.8
145	30.6	23.4	35.2





#69

Naphthalene

Concen: 5.427 ug/L

RT: 13.55 min Scan# 3875

Delta R.T. -0.00 min

Lab File: VV011953.D

Acq: 22 Jul 2019 17:18

Instrument :

MSVOA_V

ClientSampled :

VICV36

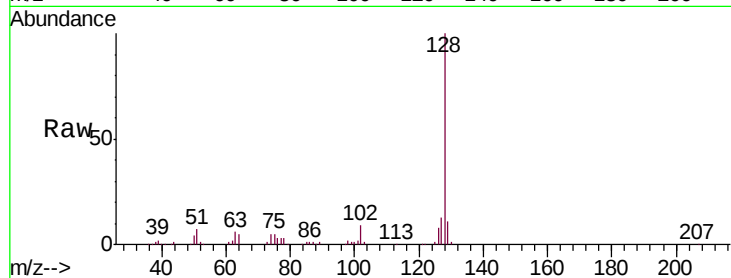
Tgt Ion:128 Resp: 132217

Ion Ratio Lower Upper

128 100

129 10.8 8.2 12.2

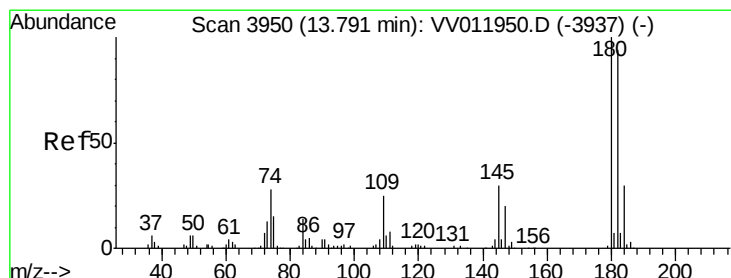
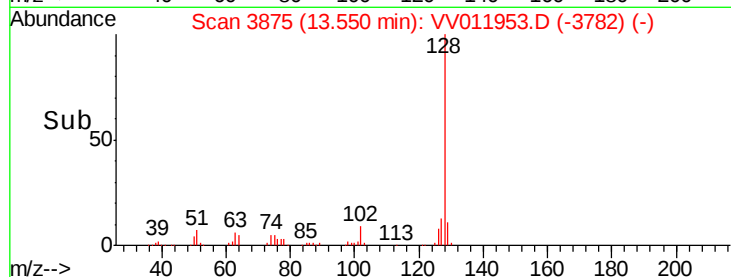
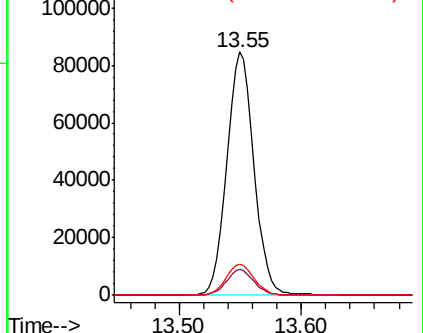
127 13.4 10.8 16.2



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#70

1,2,3-Trichlorobenzene

Concen: 5.493 ug/L

RT: 13.79 min Scan# 3950

Delta R.T. -0.00 min

Lab File: VV011953.D

Acq: 22 Jul 2019 17:18

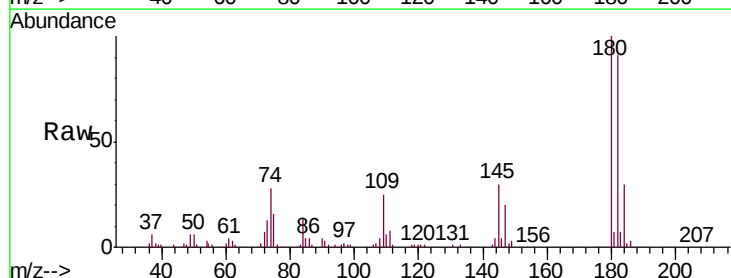
Tgt Ion:180 Resp: 80520

Ion Ratio Lower Upper

180 100

182 93.6 75.5 113.3

145 31.1 24.7 37.1



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

