

Data File : VV011798.D
Acq On : 02 Jul 2019 09:55
Operator : SY/MD
Sample : VSTD0.534
Misc : 25ML/MSVOA_V/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VSTD0.534

Quant Time: Jul 03 07:52:58 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR070219WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Wed Jul 03 07:50:25 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	199809	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	185975	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	81859	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	5769	0.38	ug/L	0.00
7) Chloroethane-d5	1.58	69	4798	0.48	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.13	63	11970	0.42	ug/L	0.00
20) 2-Butanone-d5	3.98	46	9168	2.22	ug/L	0.00
24) Chloroform-d	4.40	84	11352	0.39	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.08	65	6170	0.39	ug/L	0.00
32) Benzene-d6	5.09	84	21272	0.39	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.11	67	7424	0.43	ug/L	0.00
41) Toluene-d8	7.36	98	17743	0.36	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.67	79	2084	0.36	ug/L	0.00
46) 2-Hexanone-d5	8.14	63	8752	2.70	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.26	84	4820	0.37	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.67	152	6700	0.41	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	8435	0.458 ug/L	99
3) Chloromethane	1.25	50	9401	0.481 ug/L	99
5) Vinyl chloride	1.32	62	7804	0.408 ug/L	93
6) Bromomethane	1.53	94	4357	0.516 ug/L	97
8) Chloroethane	1.60	64	4824	0.495 ug/L	95
9) Trichlorofluoromethane	1.77	101	10008	0.456 ug/L	97
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	5878	0.474 ug/L	96
12) 1,1-Dichloroethene	2.14	96	5406	0.431 ug/L	87
13) Acetone	2.23	43	10361	3.711 ug/L	90
14) Carbon disulfide	2.31	76	13371	0.393 ug/L #	89
15) Methyl Acetate	2.47	43	4431	0.613 ug/L #	78
16) Methylene chloride	2.53	84	8678	0.610 ug/L	96
17) Methyl tert-butyl Ether	2.81	73	13270	0.362 ug/L #	91
18) trans-1,2-Dichloroethene	2.78	96	5803	0.411 ug/L	96
19) 1,1-Dichloroethane	3.23	63	11878	0.407 ug/L	92
21) 2-Butanone	4.07	43	13527	3.051 ug/L #	69
22) cis-1,2-Dichloroethene	3.96	96	6103	0.382 ug/L	97
23) Bromochloromethane	4.30	128	2639	0.414 ug/L	92
25) Chloroform	4.42	83	14570	0.496 ug/L	98
27) 1,2-Dichloroethane	5.18	62	7931	0.388 ug/L #	91
29) 1,1,1-Trichloroethane	4.66	97	9198	0.398 ug/L	97
30) Cyclohexane	4.71	56	9511	0.391 ug/L	98
31) Carbon tetrachloride	4.87	117	7508	0.395 ug/L	98
33) Benzene	5.14	78	23225	0.383 ug/L	100
34) Trichloroethene	5.96	95	6309	0.408 ug/L	97
35) Methylcyclohexane	6.17	83	9546	0.418 ug/L	100
37) 1,2-Dichloropropane	6.22	63	5999	0.371 ug/L #	97
38) Bromodichloromethane	6.56	83	6920	0.379 ug/L #	91
39) cis-1,3-Dichloropropene	7.07	75	7111	0.348 ug/L	96
40) 4-Methyl-2-pentanone	7.28	43	34684	3.101 ug/L	99

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Quant Title : TRACE VOA SOM01.0
QLast Update : Wed Jul 03 07:50:25 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.43	91	22750	0.360	ug/L	97
44) trans-1,3-Dichloropropene	7.69	75	5051	0.323	ug/L	85
45) 1,1,2-Trichloroethane	7.88	97	3870	0.364	ug/L	97
47) Tetrachloroethene	8.01	164	4754	0.418	ug/L	92
48) 2-Hexanone	8.19	43	22704	2.887	ug/L	99
49) Dibromochloromethane	8.29	129	3605	0.335	ug/L	98
50) 1,2-Dibromoethane	8.40	107	3554	0.369	ug/L #	98
51) Chlorobenzene	8.92	112	16003	0.411	ug/L	98
52) Ethylbenzene	9.05	91	25742	0.384	ug/L	99
53) m,p-xylene	9.18	106	8791	0.358	ug/L	92
54) o-xylene	9.59	106	8675	0.354	ug/L	100
55) Styrene	9.60	104	12961	0.319	ug/L	99
56) Isopropylbenzene	9.97	105	22961	0.363	ug/L	98
58) 1,1,2,2-Tetrachloroethane	10.29	83	4720	0.363	ug/L #	89
59) 1,2,3-Trichloropropane	10.32	75	3652	0.369	ug/L	93
61) Bromoform	9.77	173	1733	0.337	ug/L #	91
62) 1,3-Dichlorobenzene	11.23	146	10558	0.396	ug/L	97
63) 1,4-Dichlorobenzene	11.32	146	11131	0.410	ug/L	94
65) 1,2-Dichlorobenzene	11.69	146	10003	0.377	ug/L	93
66) 1,2-Dibromo-3-chloropropan	12.48	75	744	0.396	ug/L	97
67) 1,3,5-Trichlorobenzene	12.69	180	8260	0.418	ug/L	98
68) 1,2,4-trichlorobenzene	13.31	180	6361	0.400	ug/L	95
69) Naphthalene	13.55	128	8576	0.285	ug/L	98
70) 1,2,3-Trichlorobenzene	13.79	180	5654	0.369	ug/L	96

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

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ALS Vial      : 2      Sample Multiplier: 1
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Instrument :
MSVOA_V
ClientSampleId :
VSTD0.534

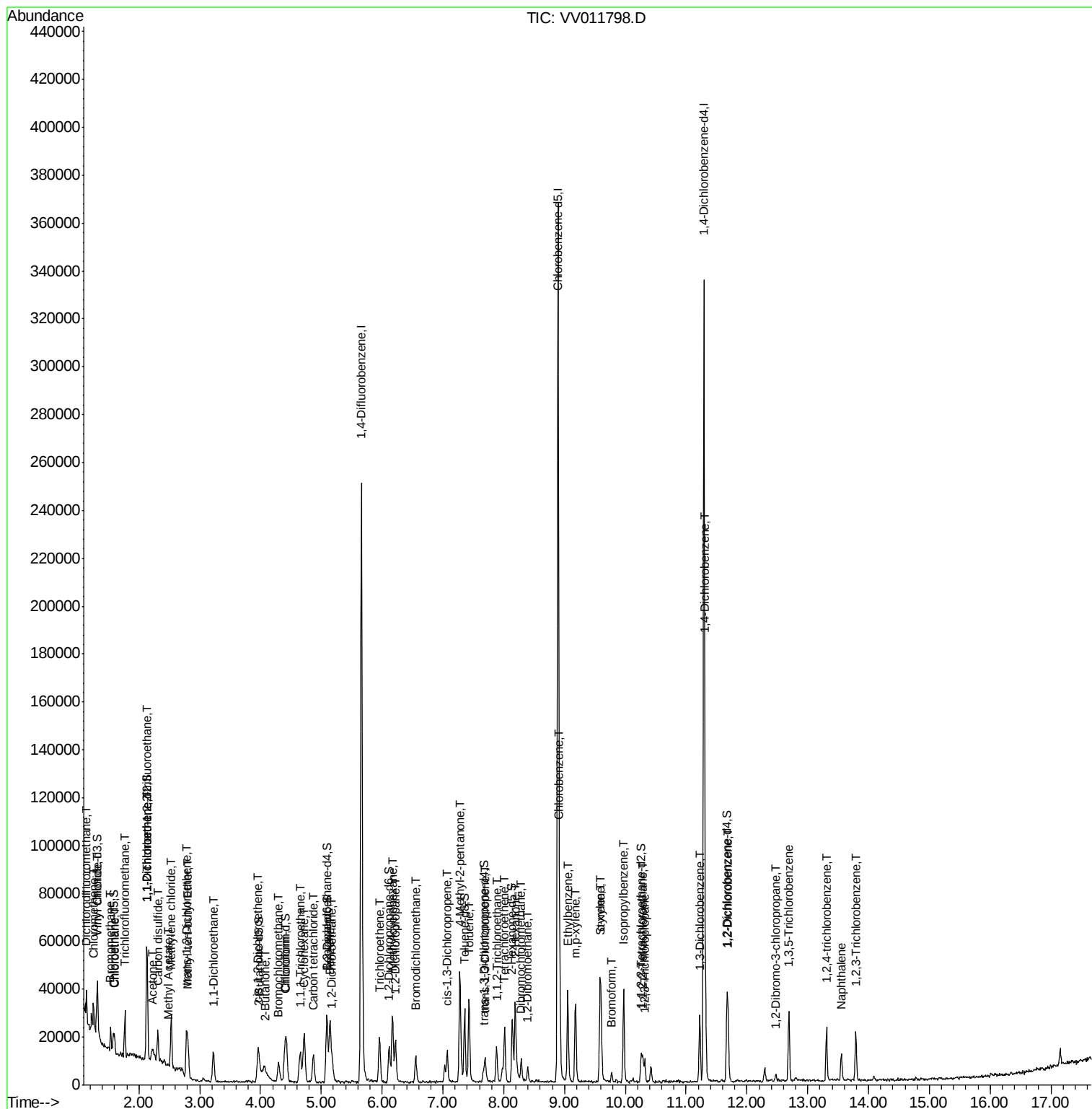
Quant Time: Jul 03 07:52:58 2019

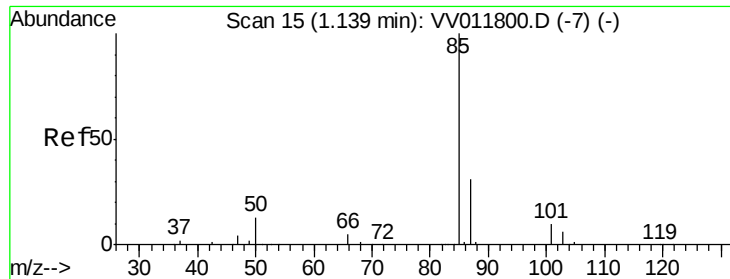
Quant Method : Z:\V0ASRV\HPCHEM1\MSV0A_V\METHOD\S0MVTR070219WMA.M

Quant Title : TRACE VOA SOM01.0

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#2

Dichlorodifluoromethane

Concen: 0.458 ug/L

RT: 1.14 min Scan# 15

Delta R.T. 0.00 min

Lab File: VV011798.D

Acq: 02 Jul 2019 09:55

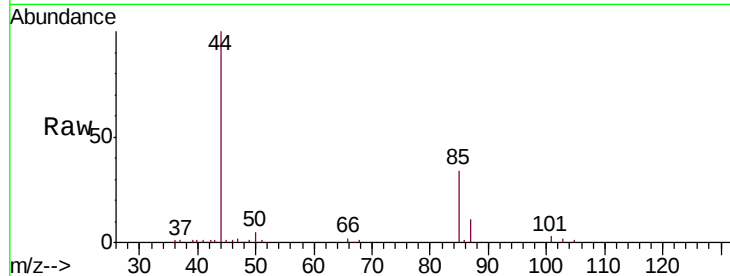
Instrument :
MSVOA_V
ClientSampleId :
VSTD0.534

Tgt Ion: 85 Resp: 8435

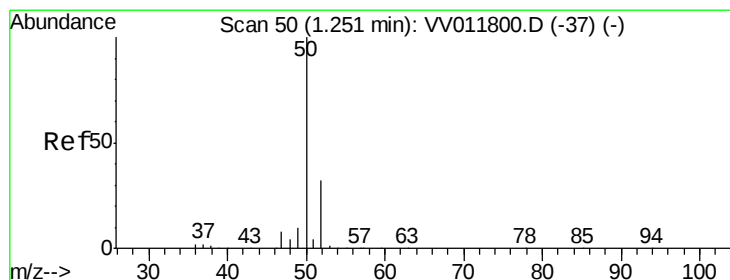
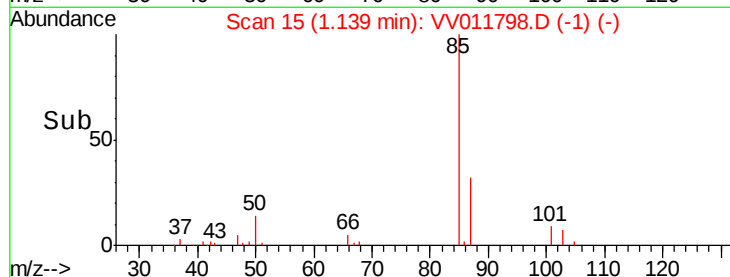
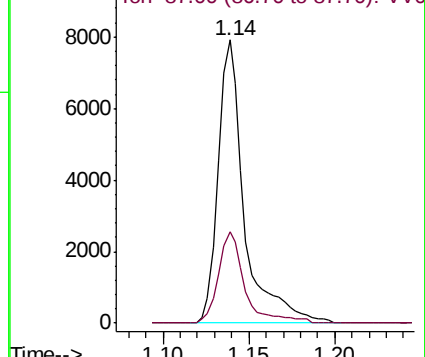
Ion Ratio Lower Upper

85 100

87 32.6 25.4 38.2



Abundance Ion 85.00 (84.70 to 85.70): VV011798.D (-1) (-)



#3

Chloromethane

Concen: 0.481 ug/L

RT: 1.25 min Scan# 50

Delta R.T. 0.00 min

Lab File: VV011798.D

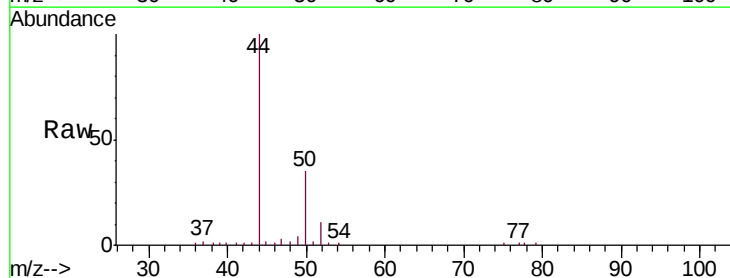
Acq: 02 Jul 2019 09:55

Tgt Ion: 50 Resp: 9401

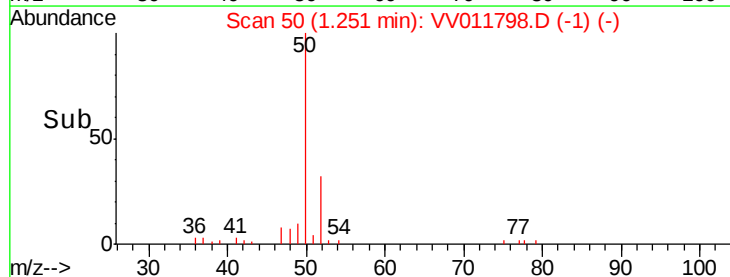
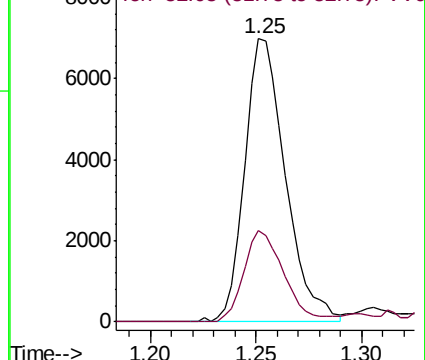
Ion Ratio Lower Upper

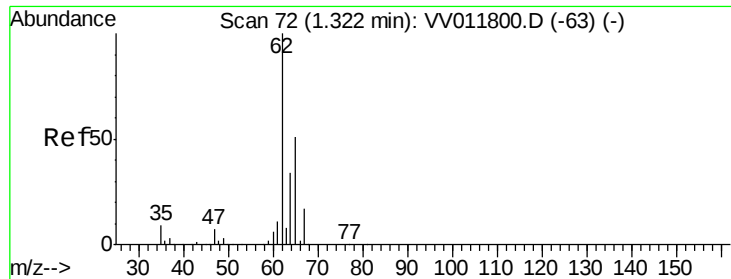
50 100

52 32.3 22.3 41.3



Abundance Ion 50.05 (49.75 to 50.75): VV011798.D (-1) (-)





#5

Vinyl chloride

Concen: 0.408 ug/L

RT: 1.32 min Scan# 72

Delta R.T. 0.00 min

Lab File: VV011798.D

Acq: 02 Jul 2019 09:55

Instrument :

MSVOA_V

ClientSampleId :

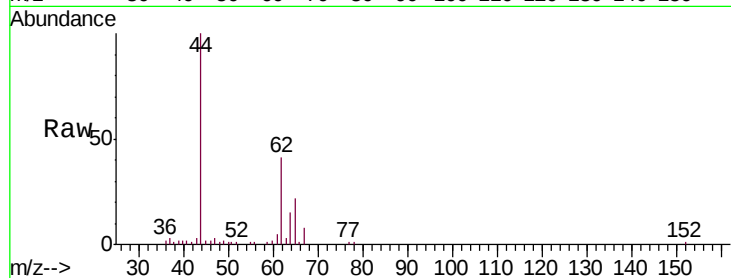
VSTD0.534

Tgt Ion: 62 Resp: 7804

Ion Ratio Lower Upper

62 100

64 37.7 23.7 43.9



Abundance Ion 62.00 (61.70 to 62.70): VV011798.D (-63) (-)

Ion 64.10 (63.80 to 64.80): VV011798.D (-63) (-)

1.32

8000

6000

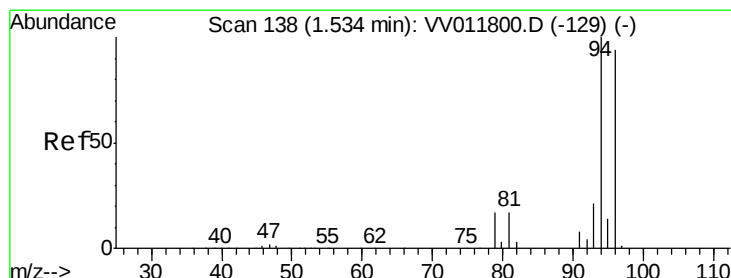
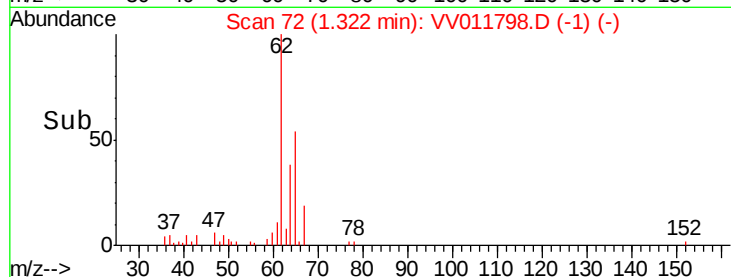
4000

2000

0

1.30 1.35 1.40

Time-->



#6

Bromomethane

Concen: 0.516 ug/L

RT: 1.53 min Scan# 138

Delta R.T. 0.00 min

Lab File: VV011798.D

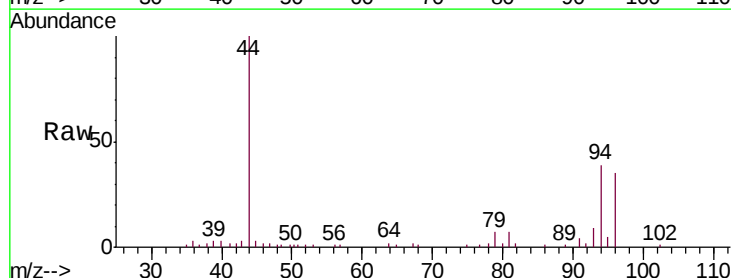
Acq: 02 Jul 2019 09:55

Tgt Ion: 94 Resp: 4357

Ion Ratio Lower Upper

94 100

96 91.0 65.9 122.5



Abundance Ion 94.00 (93.70 to 94.70): VV011798.D (-129) (-)

Ion 96.00 (95.70 to 96.70): VV011798.D (-129) (-)

1.53

4000

3000

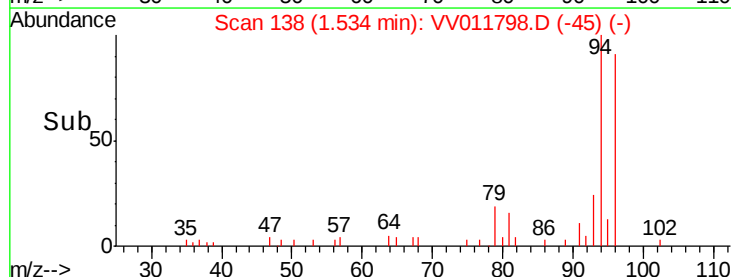
2000

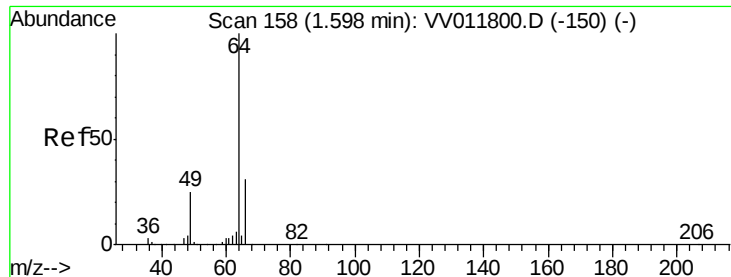
1000

0

1.50 1.55 1.60

Time-->





#8

Chloroethane

Concen: 0.495 ug/L

RT: 1.60 min Scan# 158

Delta R.T. 0.00 min

Lab File: VV011798.D

Acq: 02 Jul 2019 09:55

Instrument :

MSVOA_V

ClientSampleId :

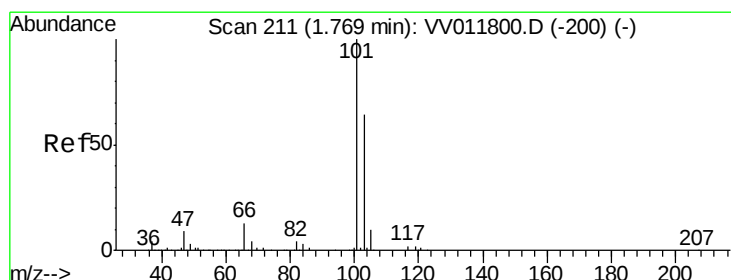
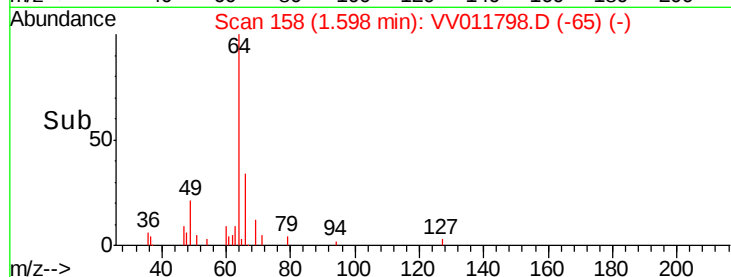
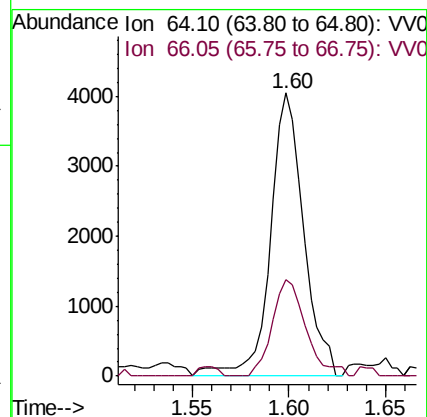
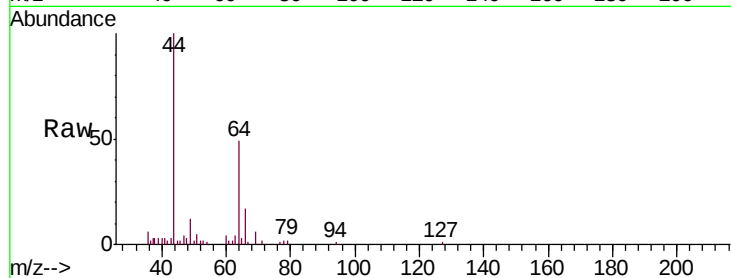
VSTD0.534

Tgt Ion: 64 Resp: 4824

Ion Ratio Lower Upper

64 100

66 34.2 21.8 40.6



#9

Trichlorofluoromethane

Concen: 0.456 ug/L

RT: 1.77 min Scan# 211

Delta R.T. 0.00 min

Lab File: VV011798.D

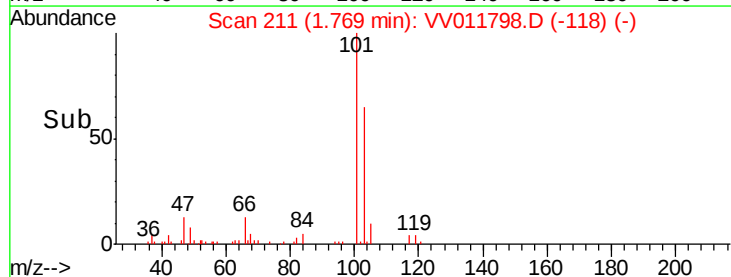
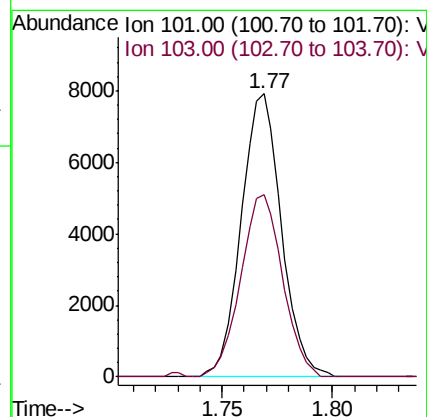
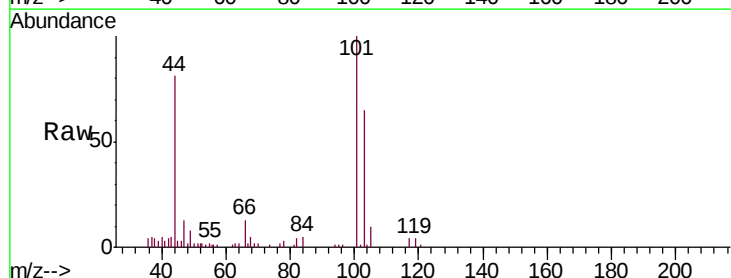
Acq: 02 Jul 2019 09:55

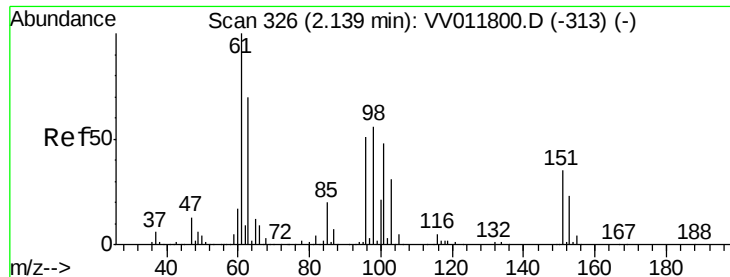
Tgt Ion: 101 Resp: 10008

Ion Ratio Lower Upper

101 100

103 67.1 52.0 78.0





#10

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

Concen: 0.474 ug/L

RT: 2.14 min Scan# 325

Delta R.T. -0.00 min

Lab File: VV011798.D

Acq: 02 Jul 2019 09:55

Instrument :

MSVOA_V

ClientSampleId :

VSTD0.534

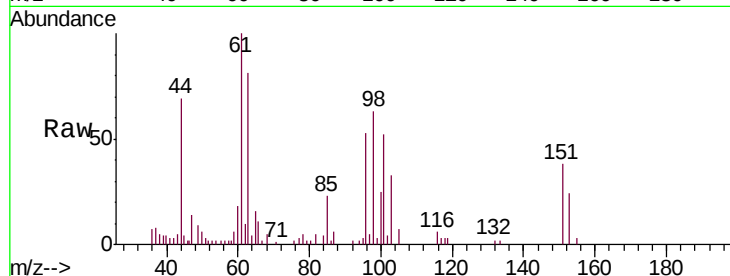
Tgt Ion:101 Resp: 5878

Ion Ratio Lower Upper

101 100

85 48.5 34.8 52.2

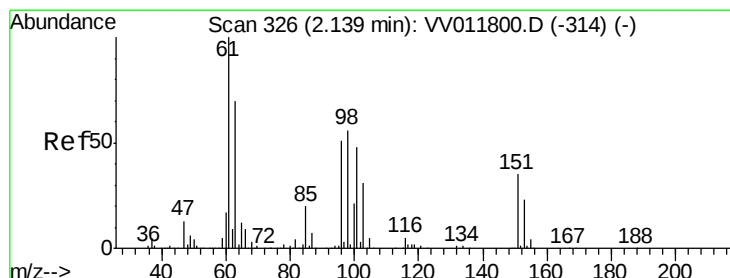
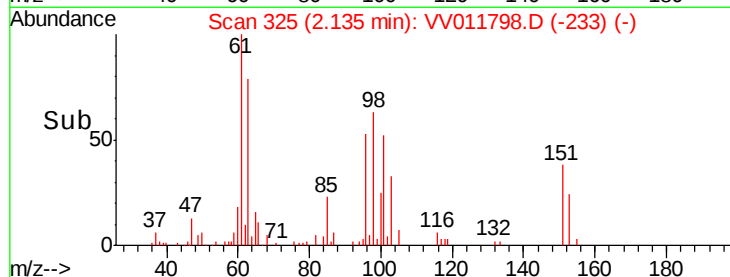
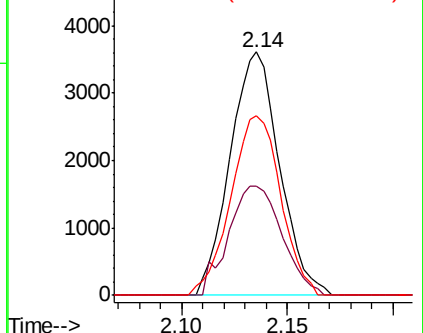
151 74.3 58.2 87.4



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: 0.431 ug/L

RT: 2.14 min Scan# 326

Delta R.T. 0.00 min

Lab File: VV011798.D

Acq: 02 Jul 2019 09:55

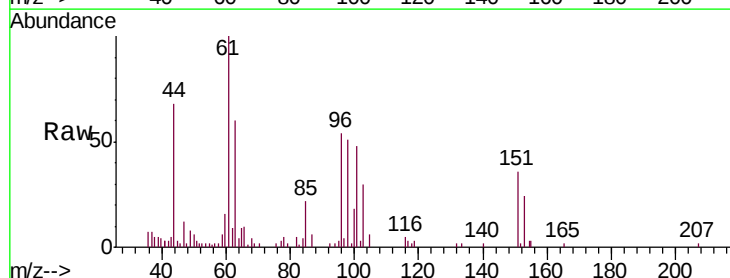
Tgt Ion: 96 Resp: 5406

Ion Ratio Lower Upper

96 100

61 186.3 137.1 254.5

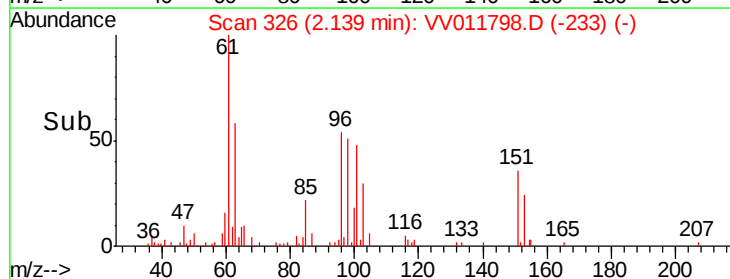
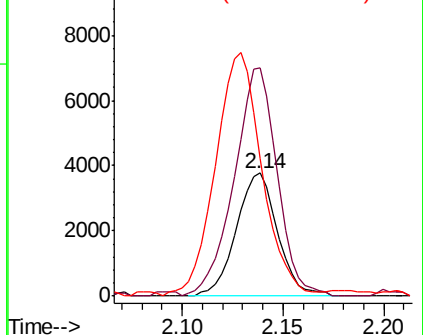
63 112.0 96.5 179.1

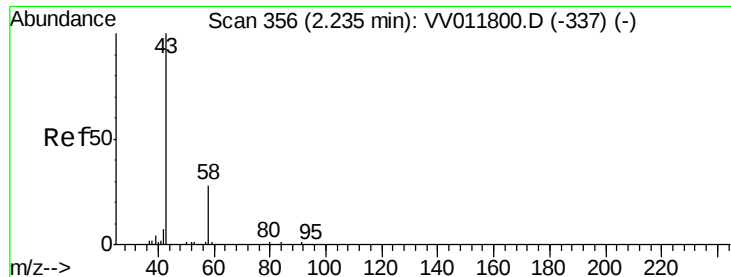


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.05 (60.75 to 61.75): VV0

Ion 63.00 (62.70 to 63.70): VV0





#13

Acetone

Concen: 3.711 ug/L

RT: 2.23 min Scan# 354

Delta R.T. -0.01 min

Lab File: VV011798.D

Acq: 02 Jul 2019 09:55

Instrument :

MSVOA_V

ClientSampleId :

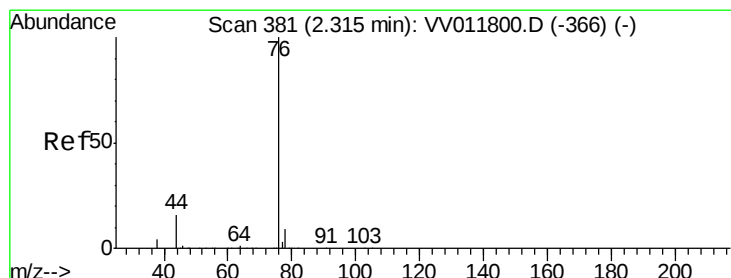
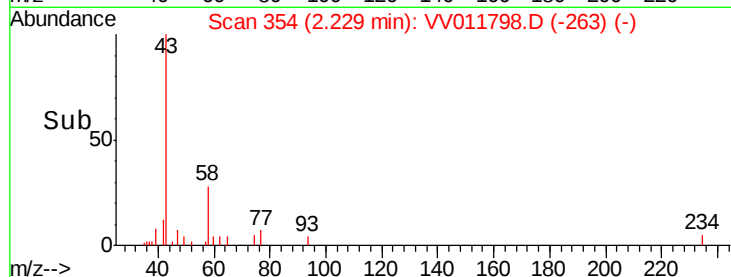
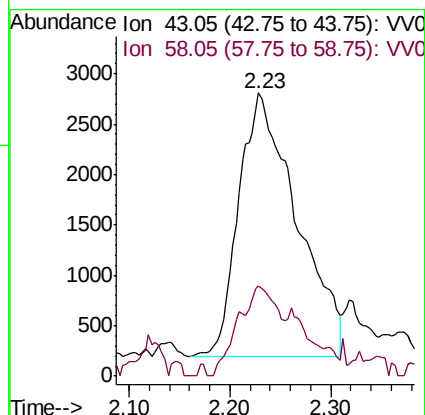
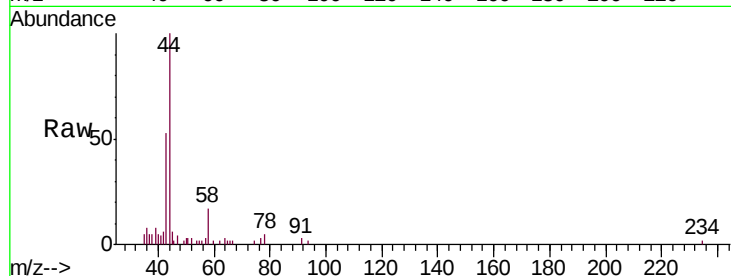
VSTD0.534

Tgt Ion: 43 Resp: 10361

Ion Ratio Lower Upper

43 100

58 23.8 0.0 58.0



#14

Carbon disulfide

Concen: 0.393 ug/L

RT: 2.31 min Scan# 380

Delta R.T. -0.00 min

Lab File: VV011798.D

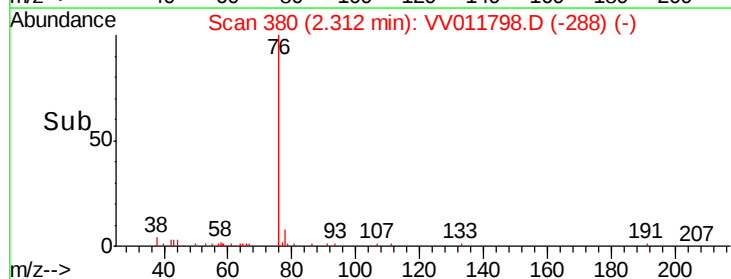
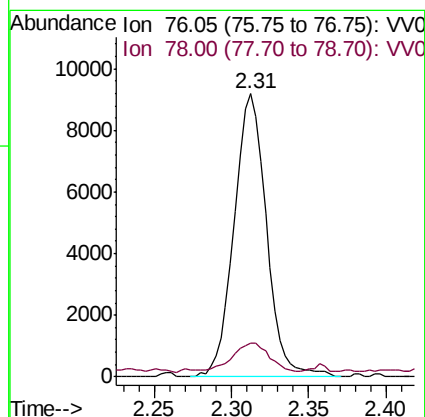
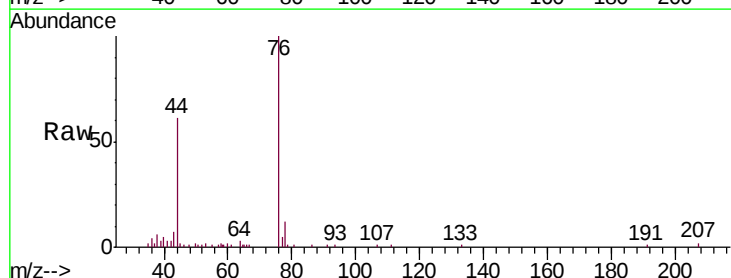
Acq: 02 Jul 2019 09:55

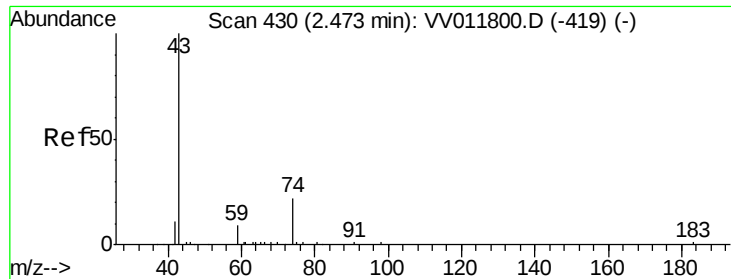
Tgt Ion: 76 Resp: 13371

Ion Ratio Lower Upper

76 100

78 13.0 7.4 11.0#

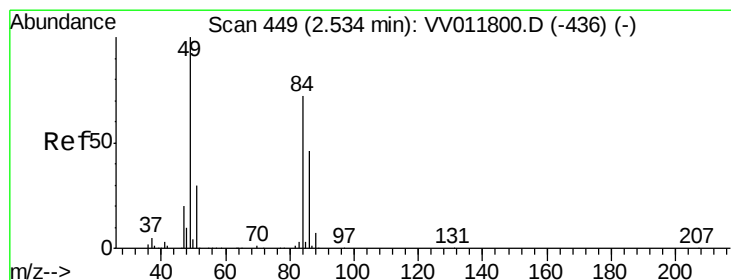
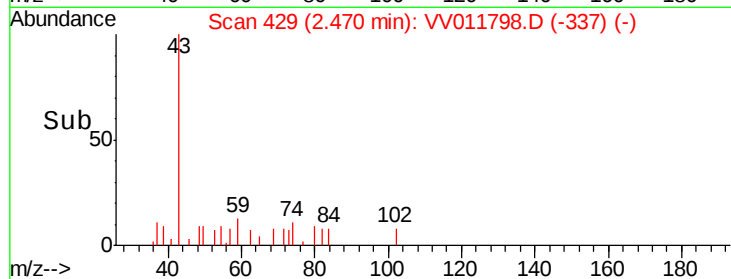
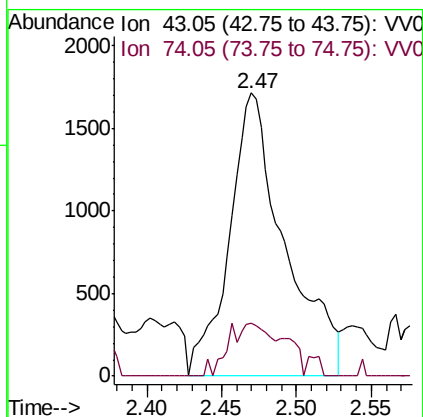
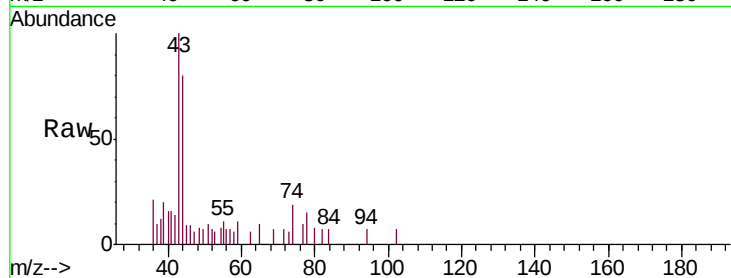




#15
Methyl Acetate
Concen: 0.613 ug/L
RT: 2.47 min Scan# 429
Delta R.T. -0.00 min
Lab File: VV011798.D
Acq: 02 Jul 2019 09:55

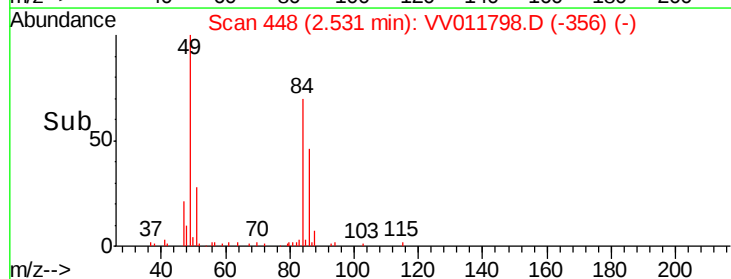
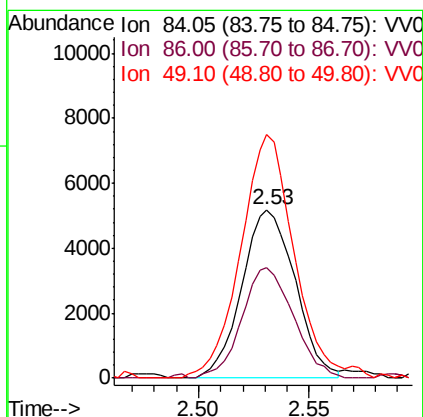
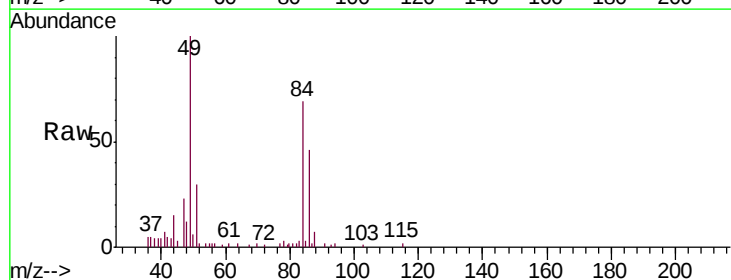
Instrument :
MSVOA_V
ClientSampleId :
VSTD0.534

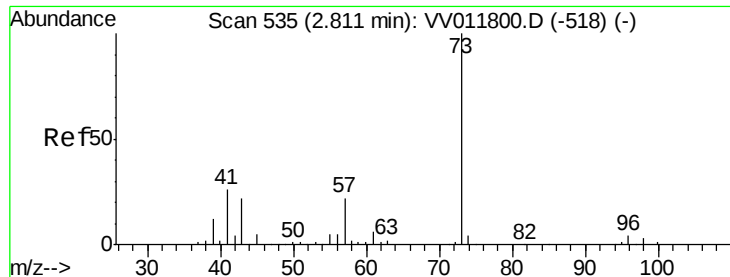
Tgt Ion: 43 Resp: 4431
Ion Ratio Lower Upper
43 100
74 14.0 20.2 30.4#



#16
Methylene chloride
Concen: 0.610 ug/L
RT: 2.53 min Scan# 448
Delta R.T. -0.00 min
Lab File: VV011798.D
Acq: 02 Jul 2019 09:55

Tgt Ion: 84 Resp: 8678
Ion Ratio Lower Upper
84 100
86 66.0 44.5 82.7
49 144.8 97.2 180.6





#17

Methyl tert-butyl Ether

Concen: 0.362 ug/L

RT: 2.81 min Scan# 534

Delta R.T. -0.00 min

Lab File: VV011798.D

Acq: 02 Jul 2019 09:55

Instrument :

MSVOA_V

ClientSampleId :

VSTD0.534

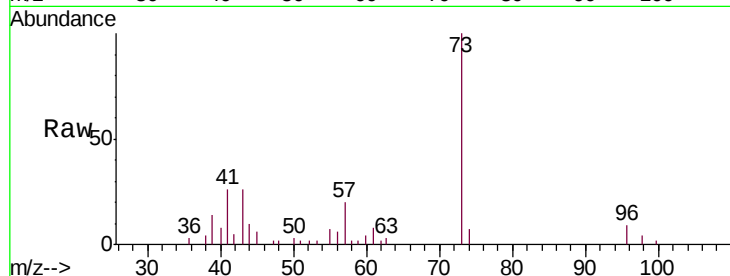
Tgt Ion: 73 Resp: 13270

Ion Ratio Lower Upper

73 100

43 26.8 17.6 26.4#

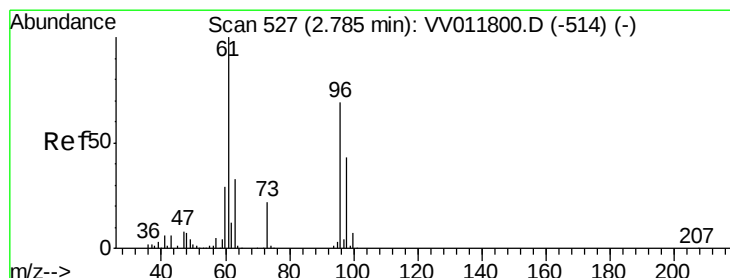
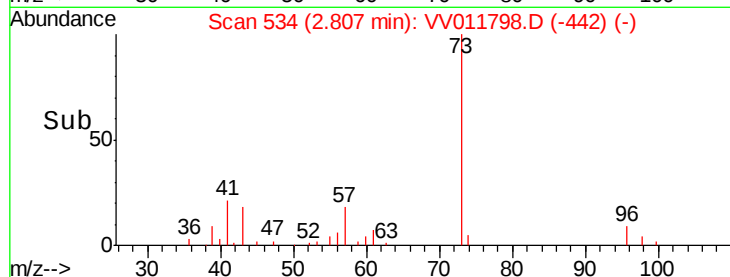
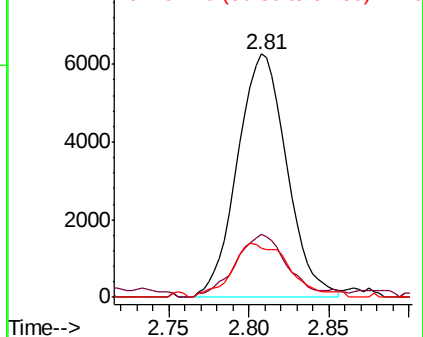
57 26.0 17.8 26.6



Abundance Ion 73.10 (72.80 to 73.80): VV011800.D (-518) (-)

Ion 43.05 (42.75 to 43.75): VV011800.D (-518) (-)

Ion 57.10 (56.80 to 57.80): VV011800.D (-518) (-)



#18

trans-1,2-Dichloroethene

Concen: 0.411 ug/L

RT: 2.78 min Scan# 527

Delta R.T. 0.00 min

Lab File: VV011798.D

Acq: 02 Jul 2019 09:55

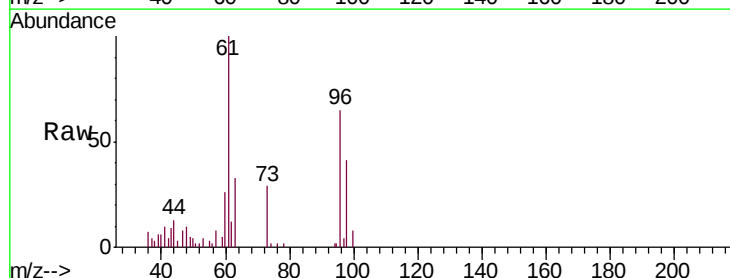
Tgt Ion: 96 Resp: 5803

Ion Ratio Lower Upper

96 100

61 153.5 102.3 189.9

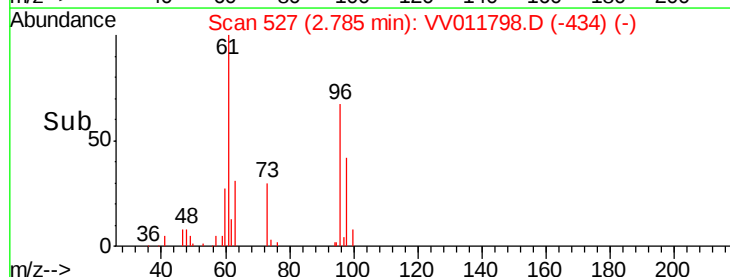
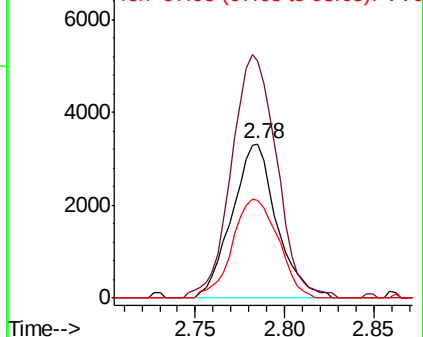
98 63.6 44.2 82.2

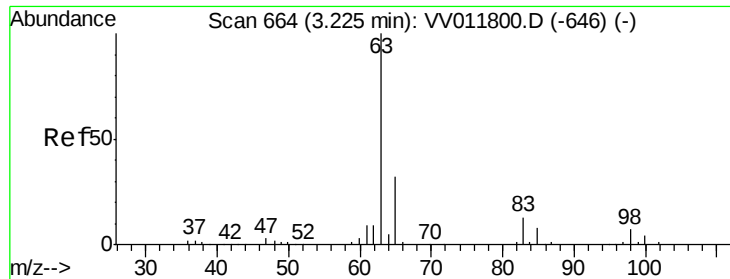


Abundance Ion 96.00 (95.70 to 96.70): VV011800.D (-514) (-)

Ion 61.05 (60.75 to 61.75): VV011800.D (-514) (-)

Ion 97.95 (97.65 to 98.65): VV011800.D (-514) (-)

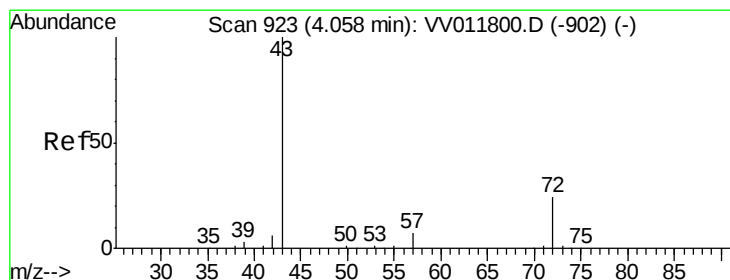
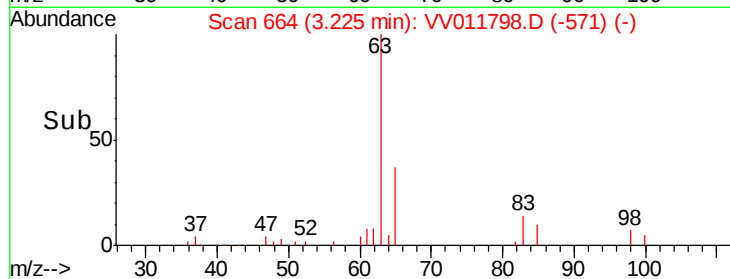
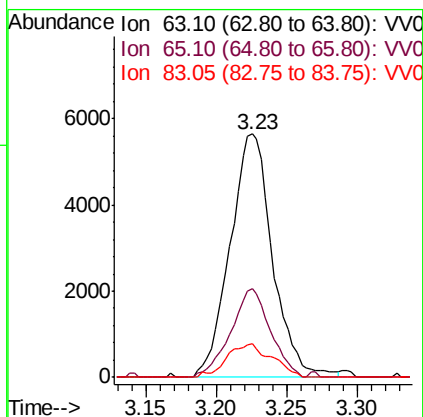
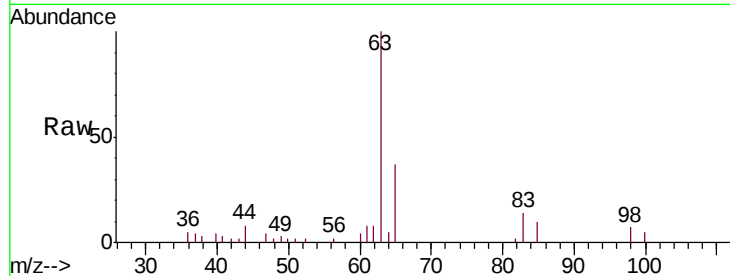




#19
 1,1-Dichloroethane
 Concen: 0.407 ug/L
 RT: 3.23 min Scan# 664
 Delta R.T. 0.00 min
 Lab File: VV011798.D
 Acq: 02 Jul 2019 09:55

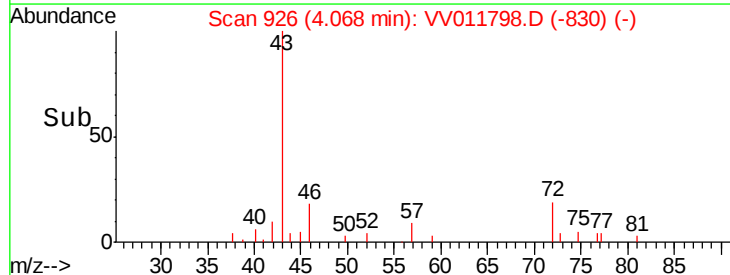
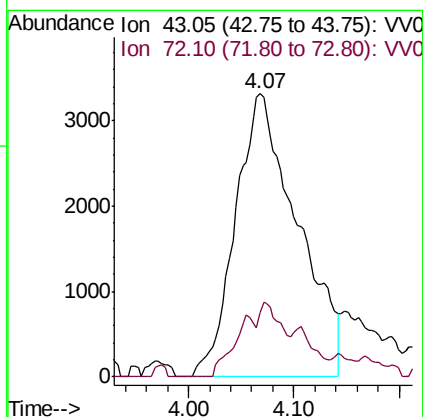
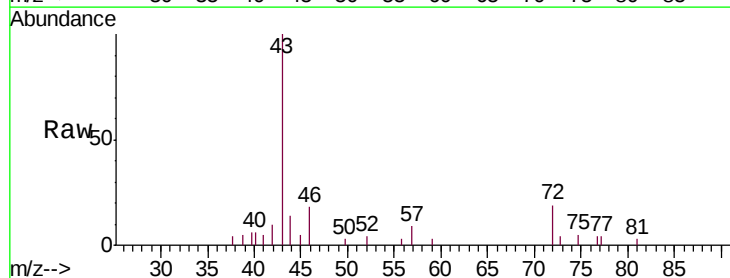
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD0.534

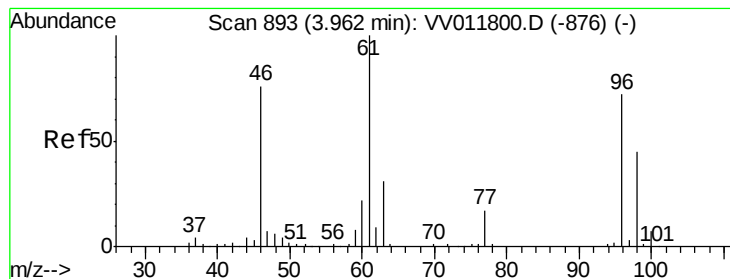
Tgt Ion: 63 Resp: 11878
 Ion Ratio Lower Upper
 63 100
 65 36.7 22.0 41.0
 83 14.0 8.9 16.5



#21
 2-Butanone
 Concen: 3.051 ug/L
 RT: 4.07 min Scan# 926
 Delta R.T. 0.01 min
 Lab File: VV011798.D
 Acq: 02 Jul 2019 09:55

Tgt Ion: 43 Resp: 13527
 Ion Ratio Lower Upper
 43 100
 72 9.1 12.1 36.3#



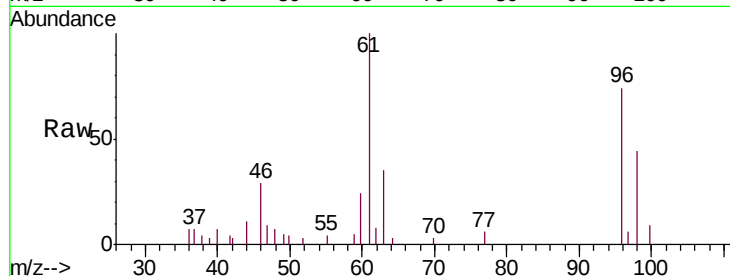


#22

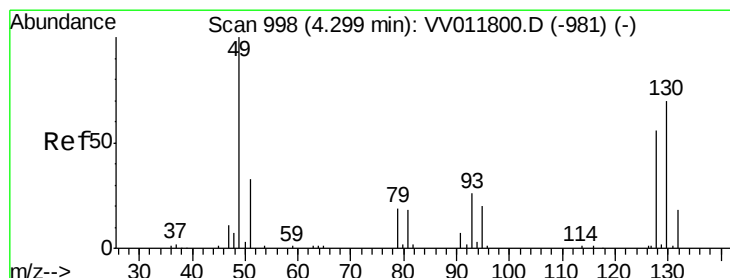
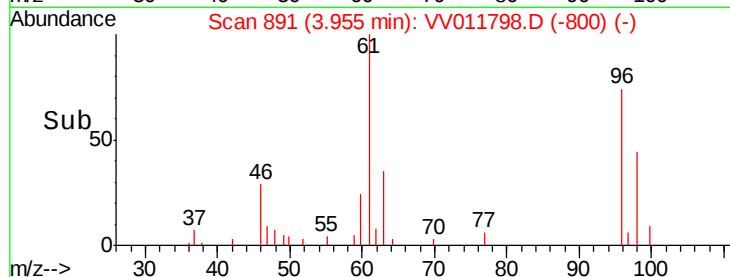
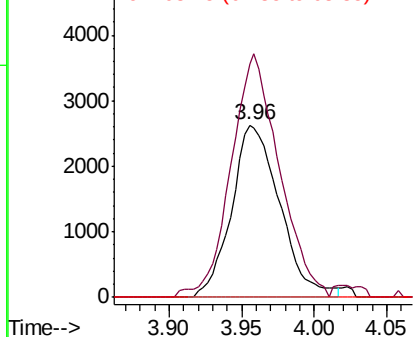
cis-1,2-Dichloroethene
 Concen: 0.382 ug/L
 RT: 3.96 min Scan# 891
 Delta R.T. -0.01 min
 Lab File: VV011798.D
 Acq: 02 Jul 2019 09:55

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD0.534

Tgt Ion: 96 Resp: 6103
 Ion Ratio Lower Upper
 96 100
 61 135.5 97.1 180.3
 68 0.0 0.0 0.0



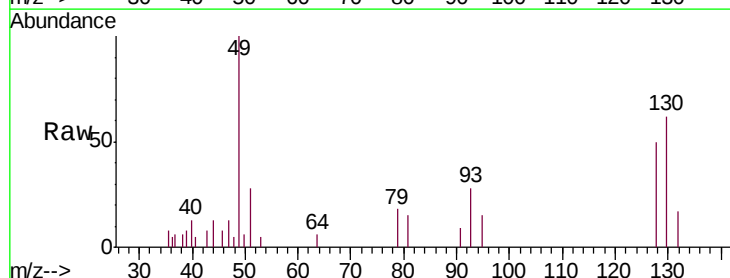
Abundance Ion 96.00 (95.70 to 96.70): VV0
 Ion 61.05 (60.75 to 61.75): VV0
 Ion 68.15 (67.85 to 68.85): VV0



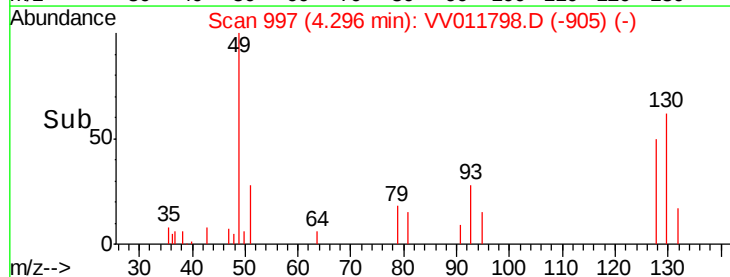
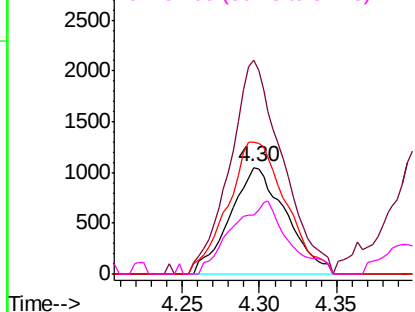
#23

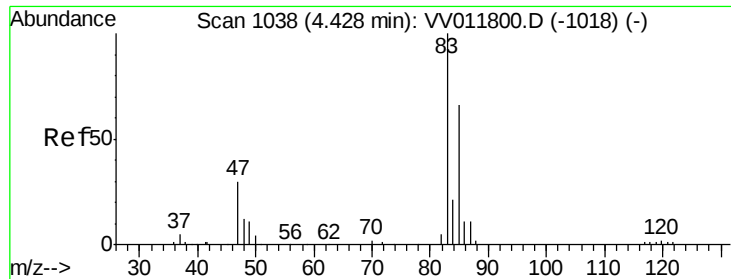
Bromochloromethane
 Concen: 0.414 ug/L
 RT: 4.30 min Scan# 997
 Delta R.T. -0.00 min
 Lab File: VV011798.D
 Acq: 02 Jul 2019 09:55

Tgt Ion: 128 Resp: 2639
 Ion Ratio Lower Upper
 128 100
 49 200.2 125.6 233.2
 130 123.8 87.7 162.9
 51 55.1 46.7 70.1



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

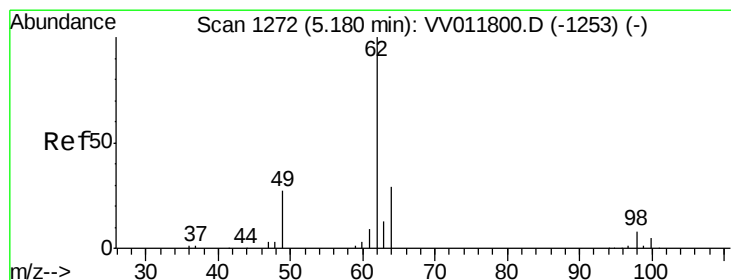
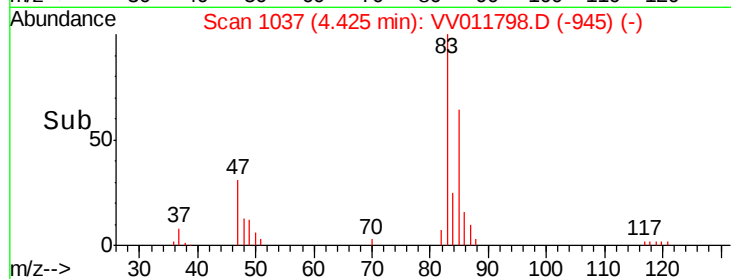
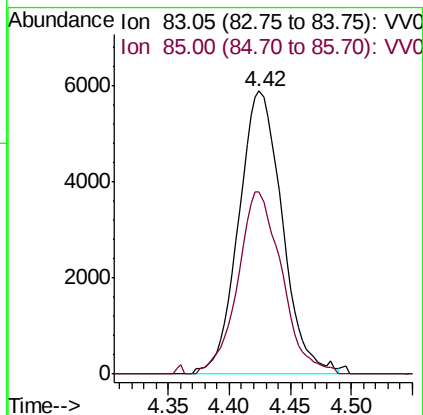
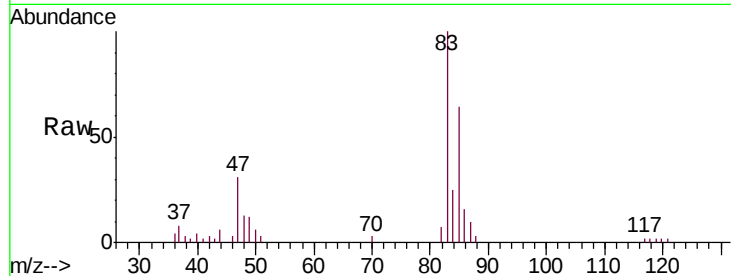




#25
Chloroform
Concen: 0.496 ug/L
RT: 4.42 min Scan# 1037
Delta R.T. -0.00 min
Lab File: VV011798.D
Acq: 02 Jul 2019 09:55

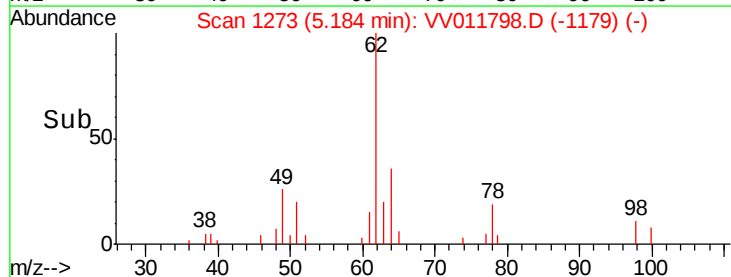
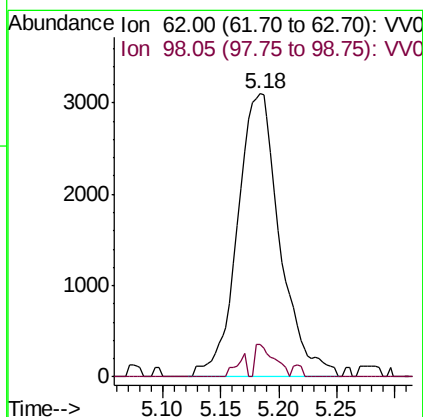
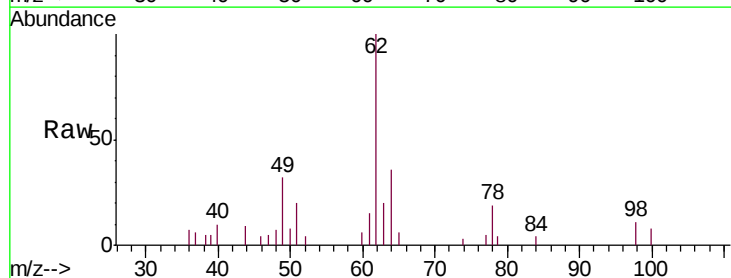
Instrument :
MSVOA_V
ClientSampleId :
VSTD0.534

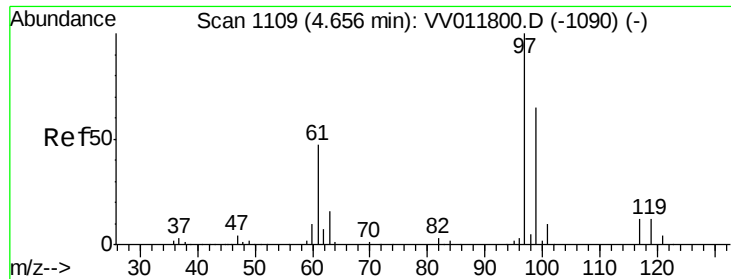
Tgt Ion: 83 Resp: 14570
Ion Ratio Lower Upper
83 100
85 64.4 45.9 85.3



#27
1,2-Dichloroethane
Concen: 0.388 ug/L
RT: 5.18 min Scan# 1273
Delta R.T. 0.00 min
Lab File: VV011798.D
Acq: 02 Jul 2019 09:55

Tgt Ion: 62 Resp: 7931
Ion Ratio Lower Upper
62 100
98 11.3 6.6 9.8#

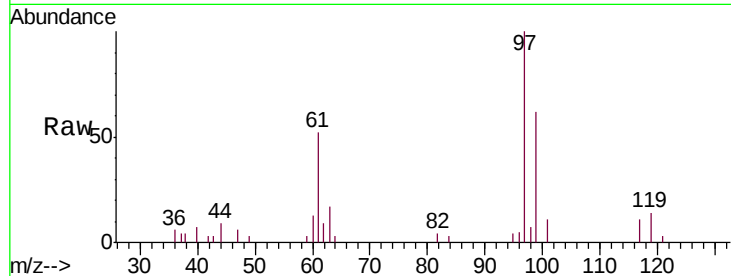




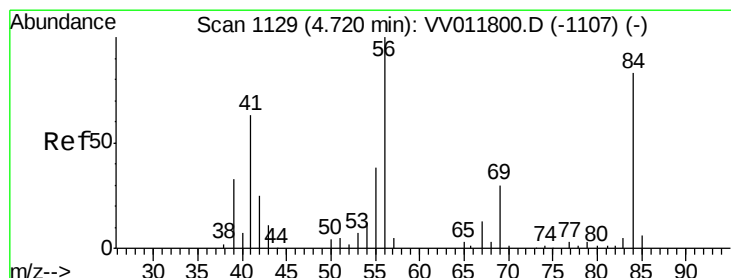
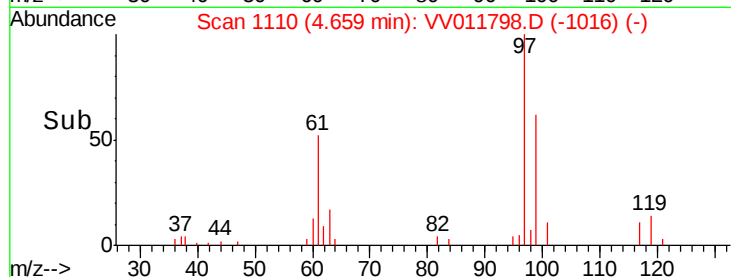
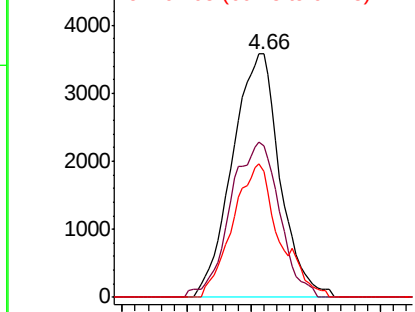
#29
 1,1,1-Trichloroethane
 Concen: 0.398 ug/L
 RT: 4.66 min Scan# 1110
 Delta R.T. 0.00 min
 Lab File: VV011798.D
 Acq: 02 Jul 2019 09:55

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD0.534

Tgt Ion: 97 Resp: 9198
 Ion Ratio Lower Upper
 97 100
 99 65.5 52.2 78.4
 61 53.3 38.5 57.7

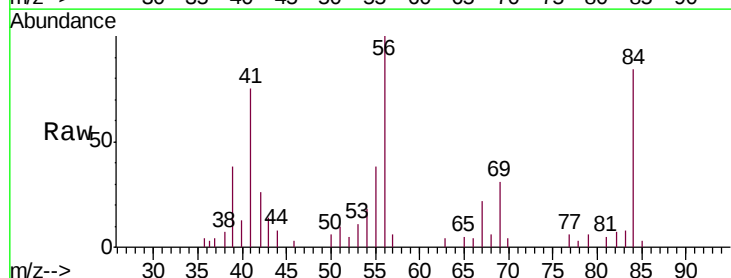


Abundance Ion 96.95 (96.65 to 97.65): VV0
 Ion 99.05 (98.75 to 99.75): VV0
 Ion 61.05 (60.75 to 61.75): VV0

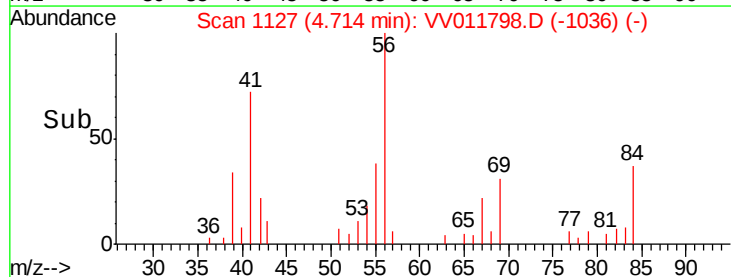
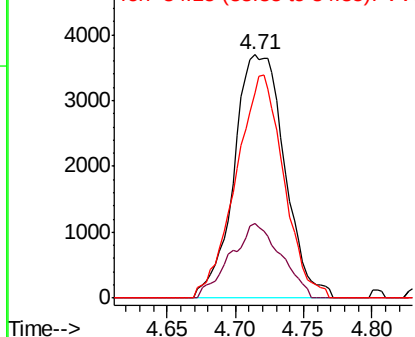


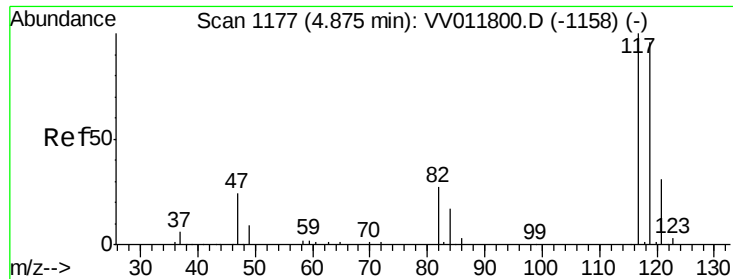
#30
 Cyclohexane
 Concen: 0.391 ug/L
 RT: 4.71 min Scan# 1127
 Delta R.T. -0.01 min
 Lab File: VV011798.D
 Acq: 02 Jul 2019 09:55

Tgt Ion: 56 Resp: 9511
 Ion Ratio Lower Upper
 56 100
 69 30.4 23.5 35.3
 84 86.4 67.6 101.4



Abundance Ion 56.10 (55.80 to 56.80): VV0
 Ion 69.15 (68.85 to 69.85): VV0
 Ion 84.15 (83.85 to 84.85): VV0





#31

Carbon tetrachloride

Concen: 0.395 ug/L

RT: 4.87 min Scan# 1176

Delta R.T. -0.00 min

Lab File: VV011798.D

Acq: 02 Jul 2019 09:55

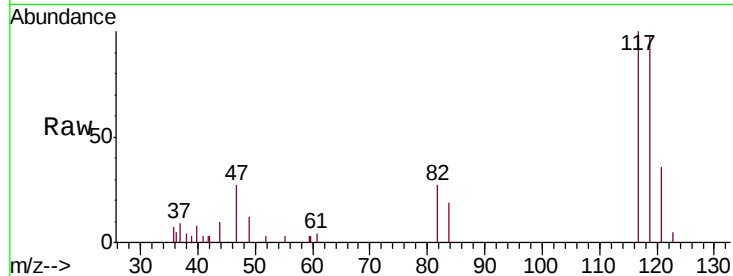
Instrument :
MSVOA_V
ClientSampleId :
VSTD0.534

Tgt Ion:117 Resp: 7508

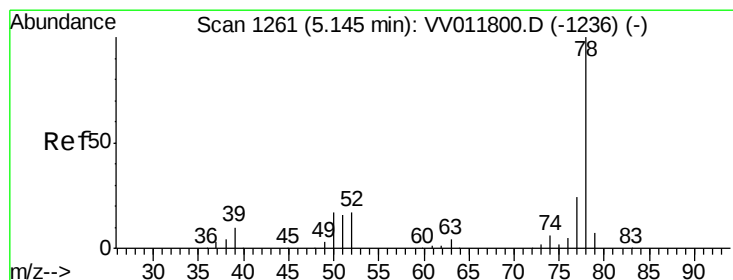
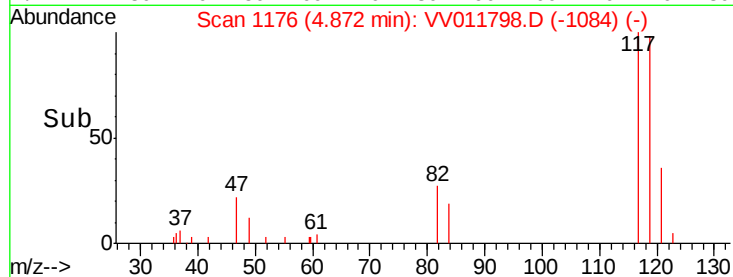
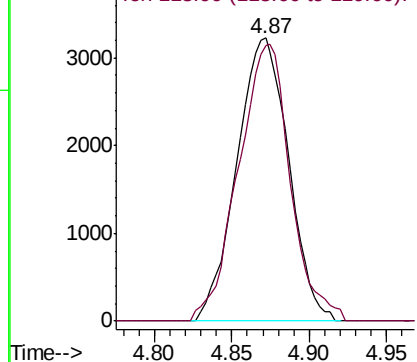
Ion Ratio Lower Upper

117 100

119 98.0 77.0 115.6



Abundance Ion 116.90 (116.60 to 117.60): V
Ion 118.90 (118.60 to 119.60): V



#33

Benzene

Concen: 0.383 ug/L

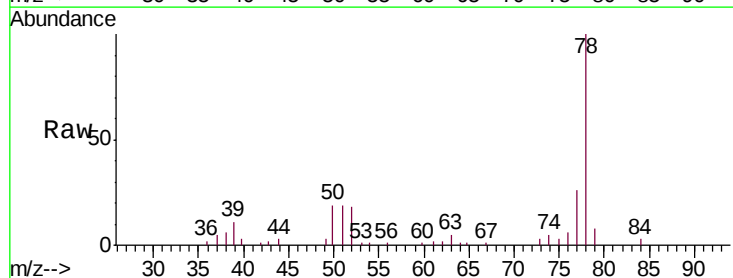
RT: 5.14 min Scan# 1260

Delta R.T. -0.00 min

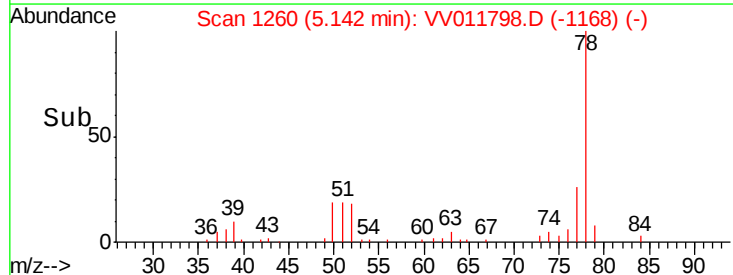
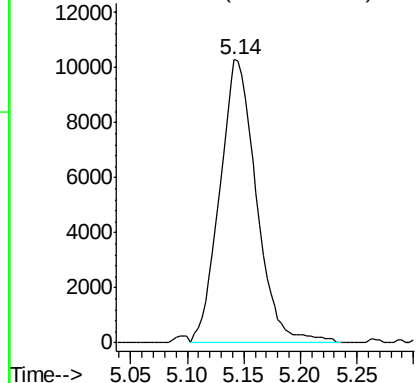
Lab File: VV011798.D

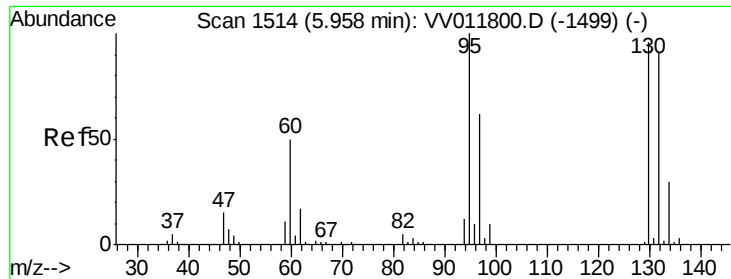
Acq: 02 Jul 2019 09:55

Tgt Ion: 78 Resp: 23225



Abundance Ion 78.10 (77.80 to 78.80): VV0



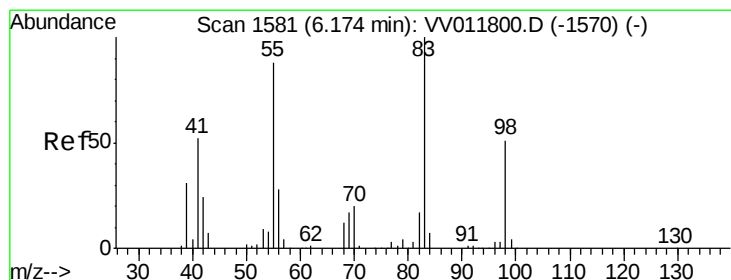
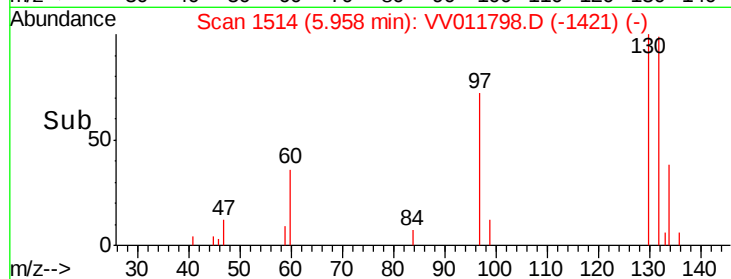
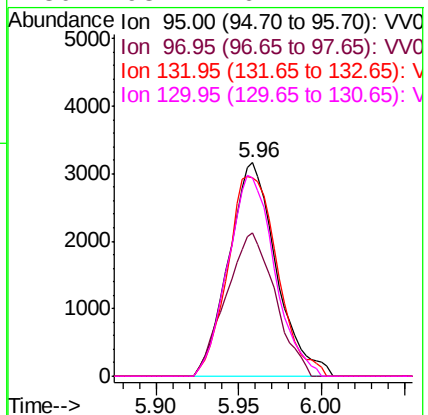
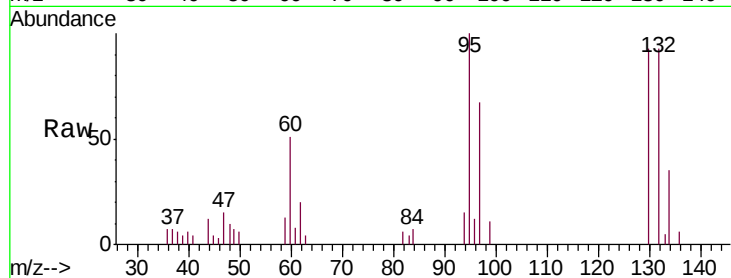


#34
 Trichloroethene
 Concen: 0.408 ug/L
 RT: 5.96 min Scan# 1514
 Delta R.T. 0.00 min
 Lab File: VV011798.D
 Acq: 02 Jul 2019 09:55

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD0.534

Tgt Ion: 95 Resp: 6309

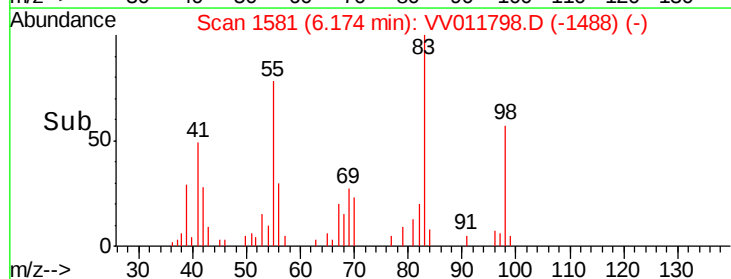
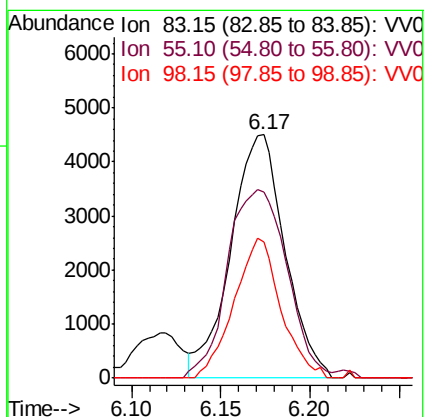
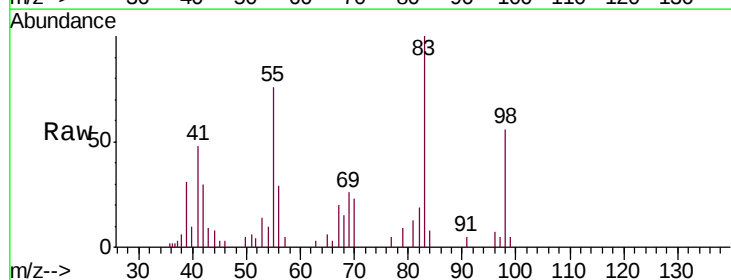
Ion	Ratio	Lower	Upper
95	100		
97	66.9	43.7	81.1
132	92.7	63.7	118.3
130	93.2	67.1	124.7

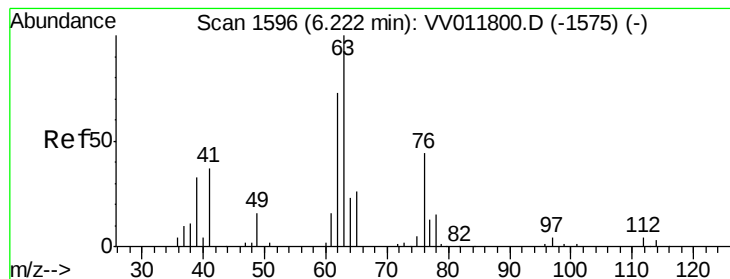


#35
 Methylcyclohexane
 Concen: 0.418 ug/L
 RT: 6.17 min Scan# 1581
 Delta R.T. 0.00 min
 Lab File: VV011798.D
 Acq: 02 Jul 2019 09:55

Tgt Ion: 83 Resp: 9546

Ion	Ratio	Lower	Upper
83	100		
55	85.2	67.8	101.6
98	49.6	39.8	59.8





#37

1,2-Dichloropropane

Concen: 0.371 ug/L

RT: 6.22 min Scan# 1595

Delta R.T. -0.00 min

Lab File: VV011798.D

Acq: 02 Jul 2019 09:55

Instrument :

MSVOA_V

ClientSampleId :

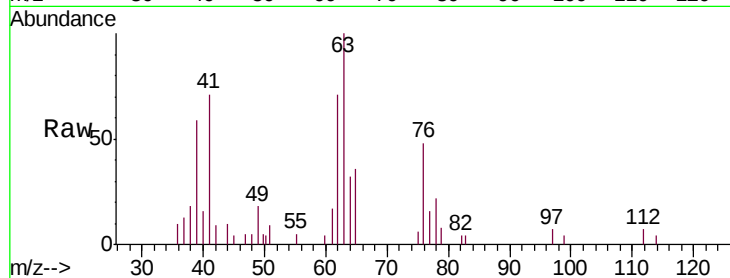
VSTD0.534

Tgt Ion: 63 Resp: 5999

Ion Ratio Lower Upper

63 100

112 5.0 3.2 4.8#



Abundance Ion 63.10 (62.80 to 63.80): VV011800.D (-1575) (-)

Ion 112.10 (111.80 to 112.80): VV011800.D (-1575) (-)

6.22

3000

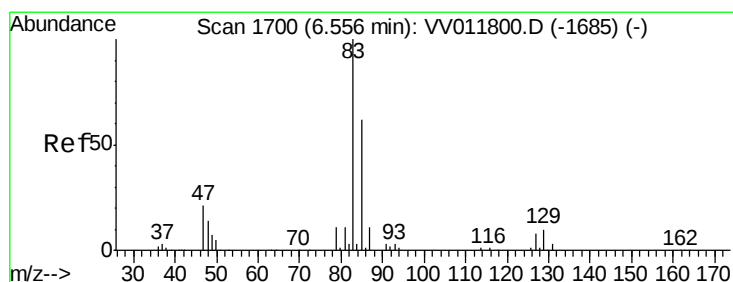
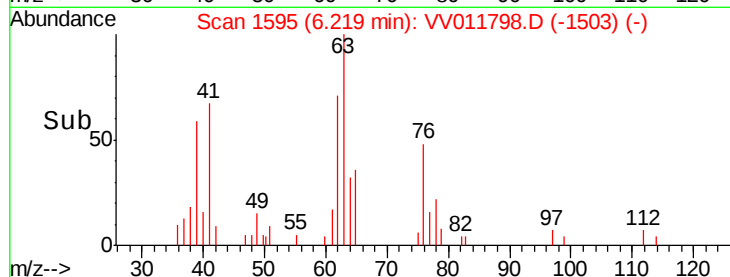
2000

1000

0

6.15 6.20 6.25

Time-->



#38

Bromodichloromethane

Concen: 0.379 ug/L

RT: 6.56 min Scan# 1700

Delta R.T. 0.00 min

Lab File: VV011798.D

Acq: 02 Jul 2019 09:55

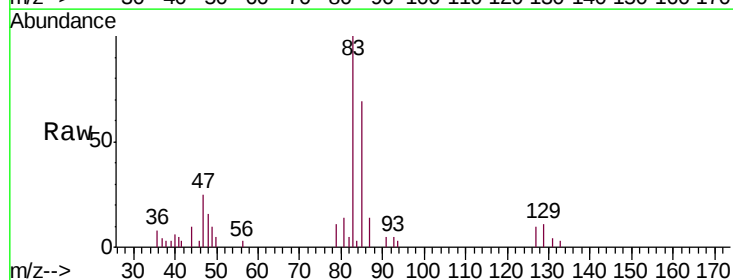
Tgt Ion: 83 Resp: 6920

Ion Ratio Lower Upper

83 100

85 68.7 43.1 80.1

127 9.7 6.2 9.4#



Abundance Ion 82.95 (82.65 to 83.65): VV011800.D (-1685) (-)

Ion 85.00 (84.70 to 85.70): VV011800.D (-1685) (-)

Ion 126.90 (126.60 to 127.60): VV011800.D (-1685) (-)

6.56

4000

3000

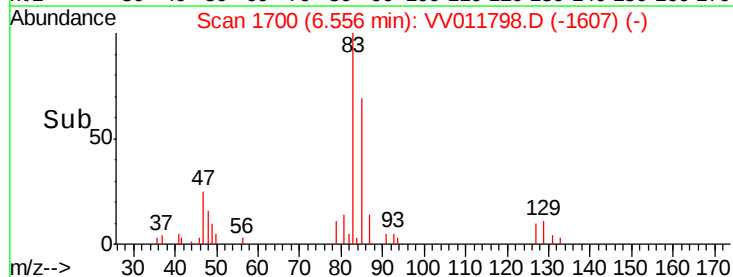
2000

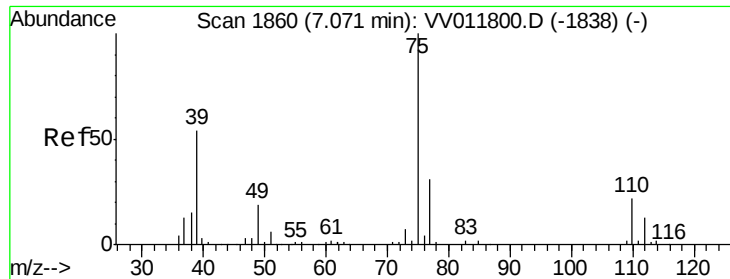
1000

0

6.50 6.55 6.60

Time-->

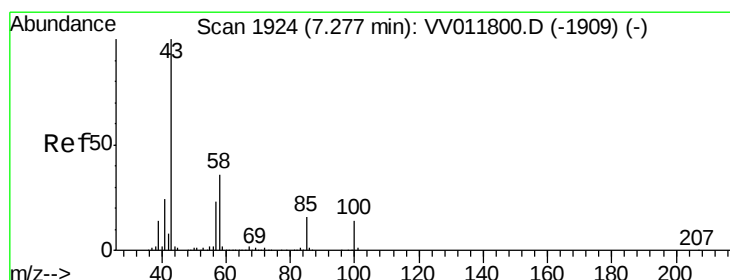
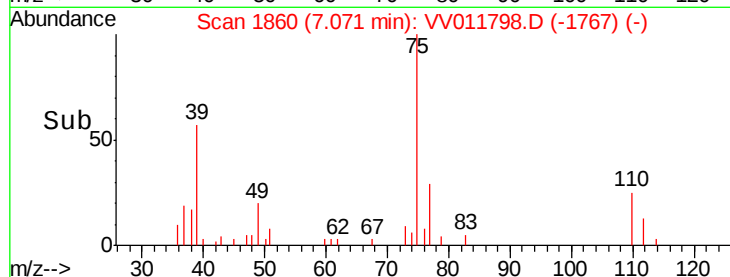
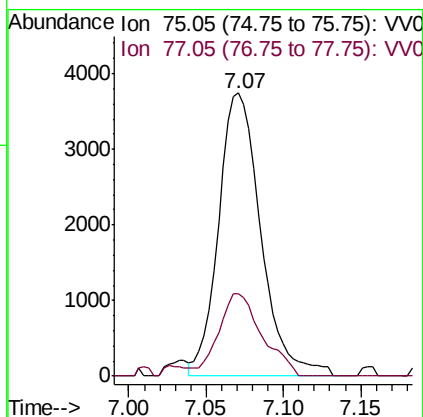
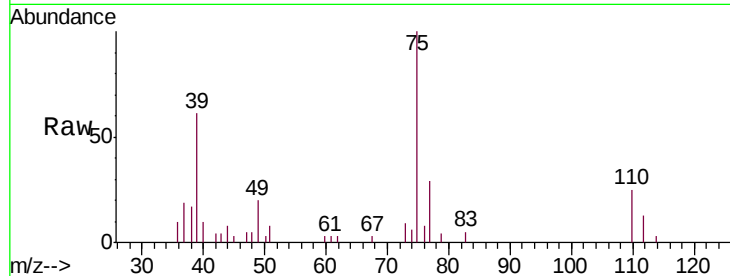




#39
 cis-1,3-Dichloropropene
 Concen: 0.348 ug/L
 RT: 7.07 min Scan# 1860
 Delta R.T. 0.00 min
 Lab File: VV011798.D
 Acq: 02 Jul 2019 09:55

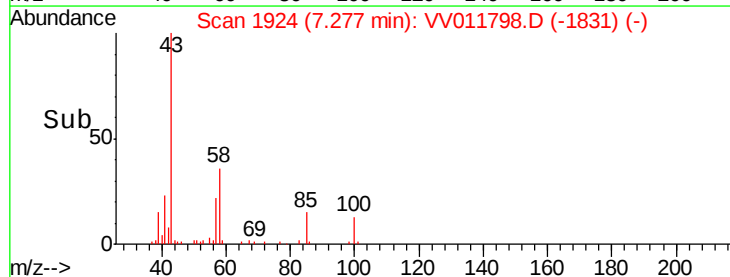
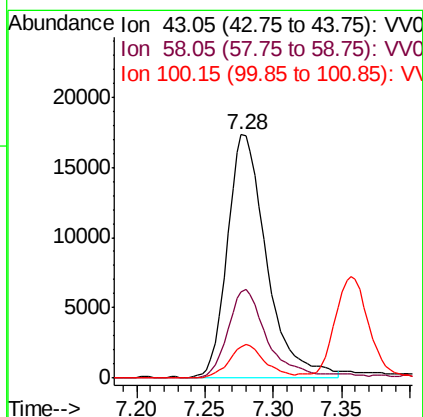
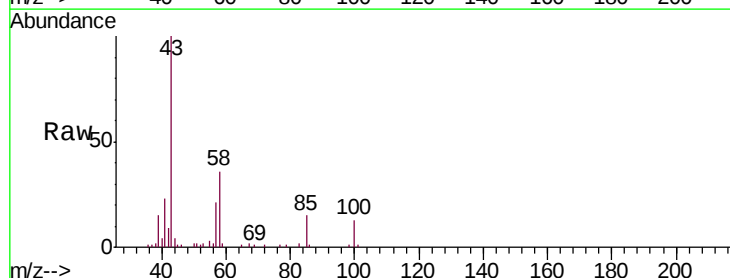
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD0.534

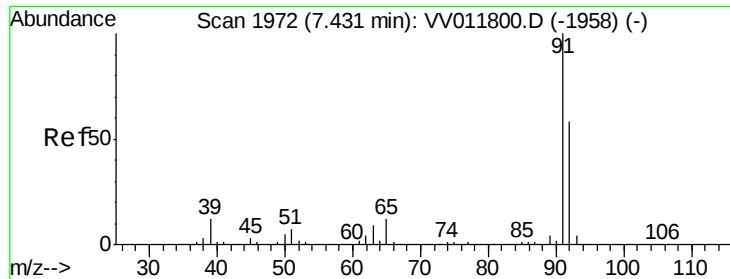
Tgt Ion: 75 Resp: 7111
 Ion Ratio Lower Upper
 75 100
 77 29.2 22.0 40.8



#40
 4-Methyl-2-pentanone
 Concen: 3.101 ug/L
 RT: 7.28 min Scan# 1924
 Delta R.T. 0.00 min
 Lab File: VV011798.D
 Acq: 02 Jul 2019 09:55

Tgt Ion: 43 Resp: 34684
 Ion Ratio Lower Upper
 43 100
 58 35.9 28.7 43.1
 100 12.6 10.7 16.1





#42

Toluene

Concen: 0.360 ug/L

RT: 7.43 min Scan# 1971

Delta R.T. -0.00 min

Lab File: VV011798.D

Acq: 02 Jul 2019 09:55

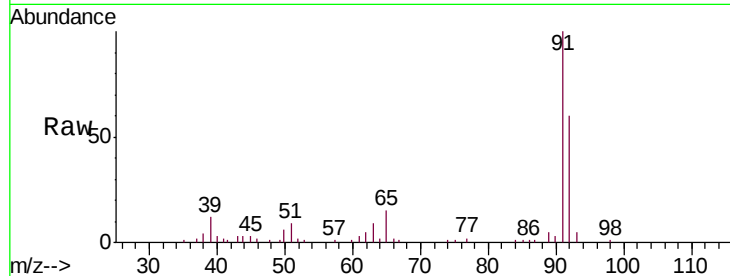
Instrument :
MSVOA_V
ClientSampleId :
VSTD0.534

Tgt Ion: 91 Resp: 22750

Ion Ratio Lower Upper

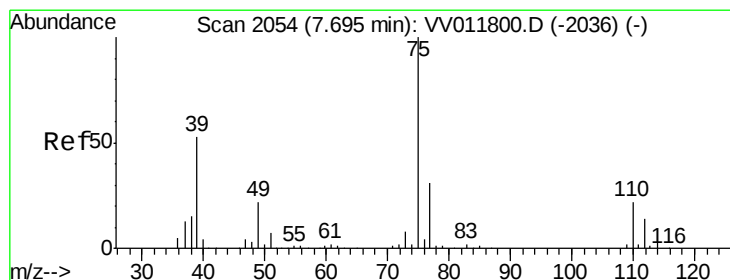
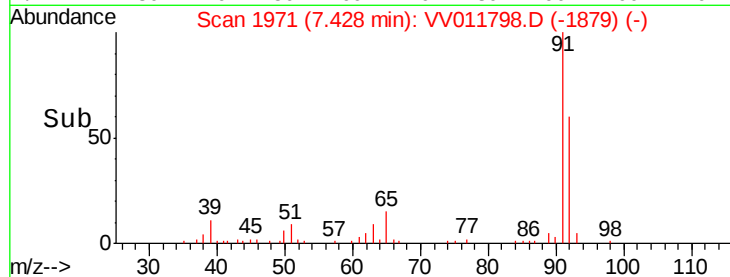
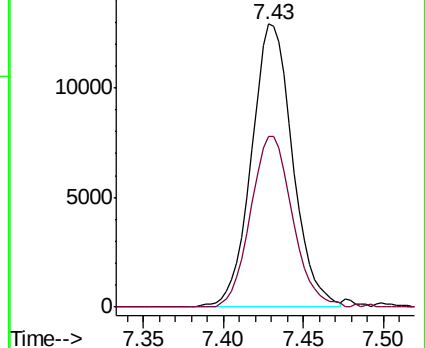
91 100

92 60.2 40.8 75.8



Abundance Ion 91.15 (90.85 to 91.85): VV011800.D (-1958) (-)

Ion 92.15 (91.85 to 92.85): VV011800.D (-1958) (-)



#44

trans-1,3-Dichloropropene

Concen: 0.323 ug/L

RT: 7.69 min Scan# 2054

Delta R.T. 0.00 min

Lab File: VV011798.D

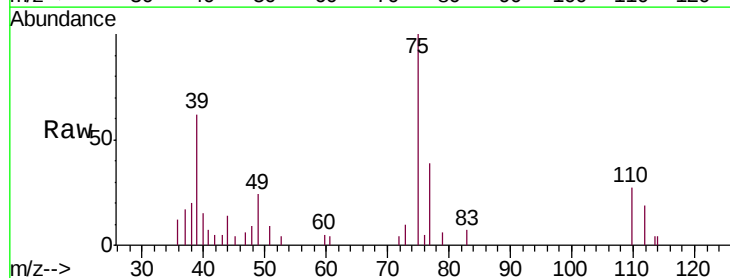
Acq: 02 Jul 2019 09:55

Tgt Ion: 75 Resp: 5051

Ion Ratio Lower Upper

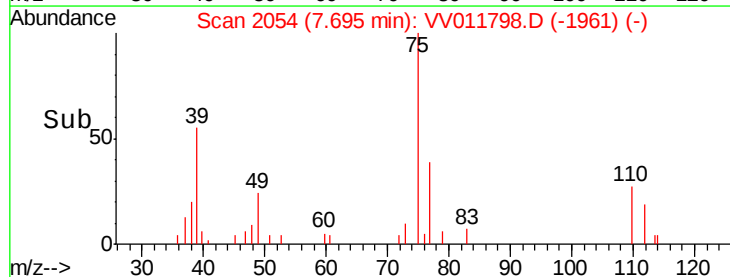
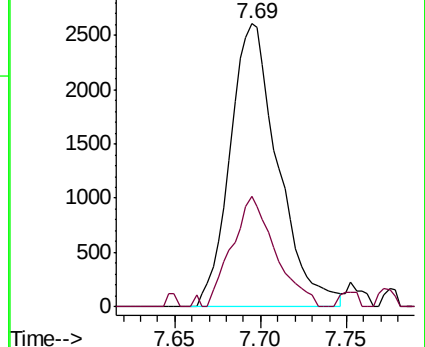
75 100

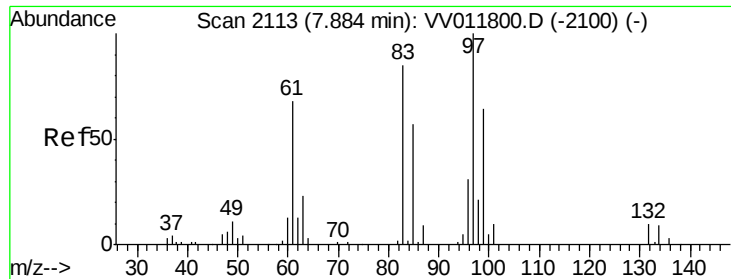
77 39.0 21.6 40.0



Abundance Ion 75.05 (74.75 to 75.75): VV011800.D (-2036) (-)

Ion 77.05 (76.75 to 77.75): VV011800.D (-2036) (-)

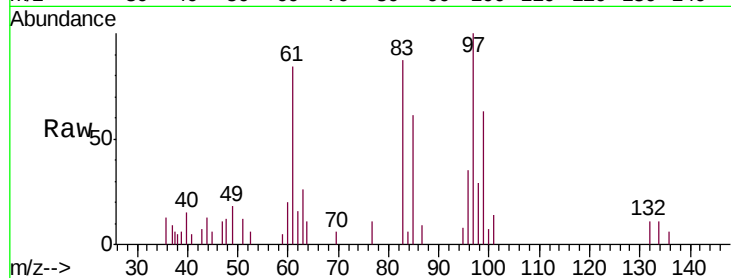




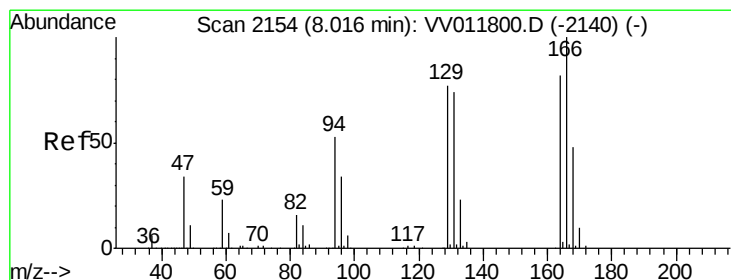
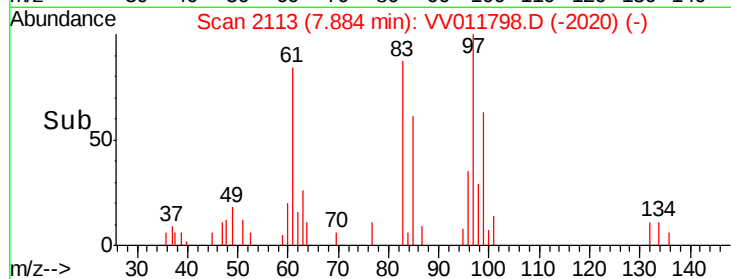
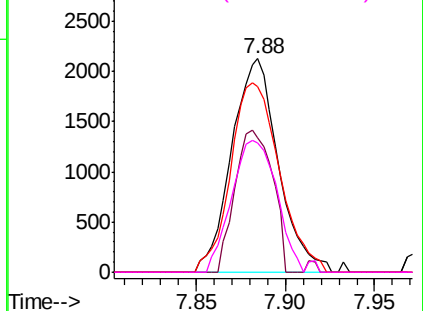
#45
 1,1,2-Trichloroethane
 Concen: 0.364 ug/L
 RT: 7.88 min Scan# 2113
 Delta R.T. 0.00 min
 Lab File: VV011798.D
 Acq: 02 Jul 2019 09:55

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD0.534

Tgt Ion: 97 Resp: 3870
 Ion Ratio Lower Upper
 97 100
 99 62.8 44.9 83.5
 83 87.1 59.6 110.8
 85 60.8 40.1 74.5

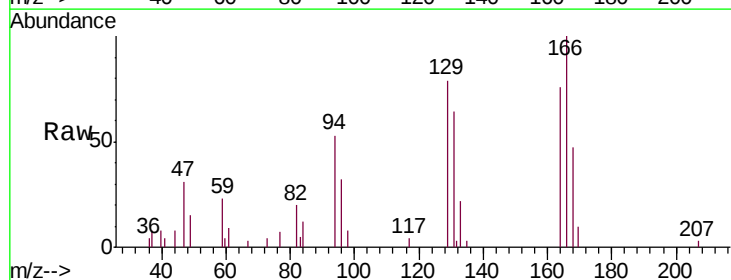


Abundance Ion 96.95 (96.65 to 97.65): VV0
 Ion 99.05 (98.75 to 99.75): VV0
 Ion 82.95 (82.65 to 83.65): VV0
 Ion 85.00 (84.70 to 85.70): VV0

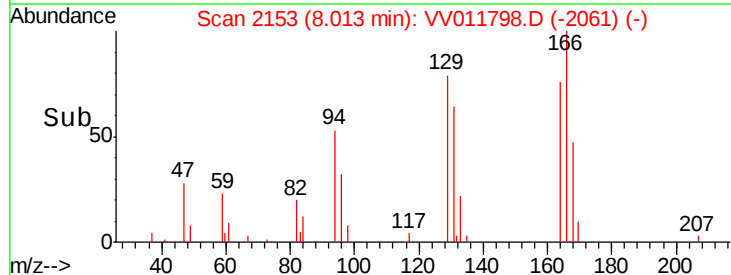
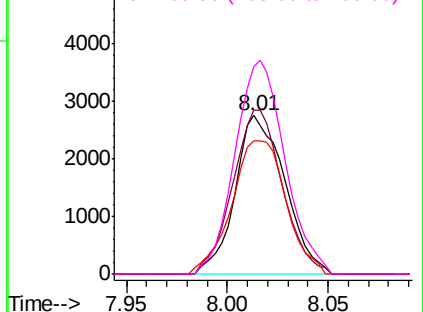


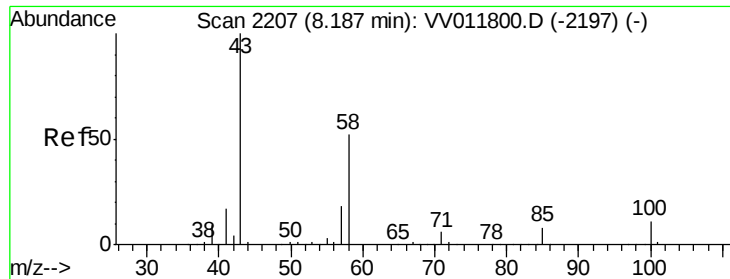
#47
 Tetrachloroethene
 Concen: 0.418 ug/L
 RT: 8.01 min Scan# 2153
 Delta R.T. -0.00 min
 Lab File: VV011798.D
 Acq: 02 Jul 2019 09:55

Tgt Ion: 164 Resp: 4754
 Ion Ratio Lower Upper
 164 100
 129 103.0 65.7 121.9
 131 84.3 63.2 117.4
 166 130.8 85.8 159.3



Abundance Ion 163.90 (163.60 to 164.60): V
 Ion 128.95 (128.65 to 129.65): V
 Ion 130.95 (130.65 to 131.65): V
 Ion 165.90 (165.60 to 166.60): V

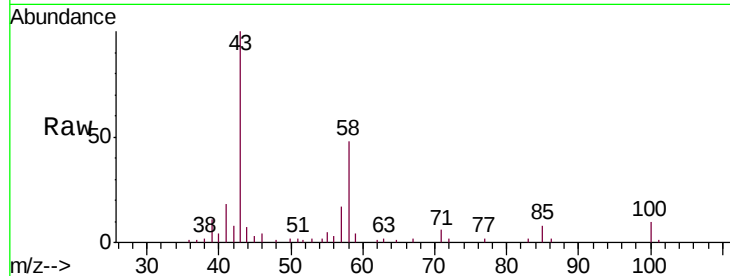




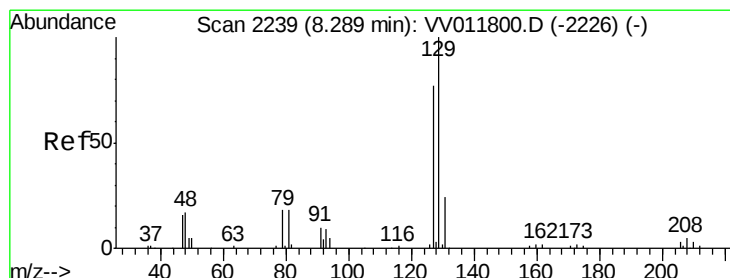
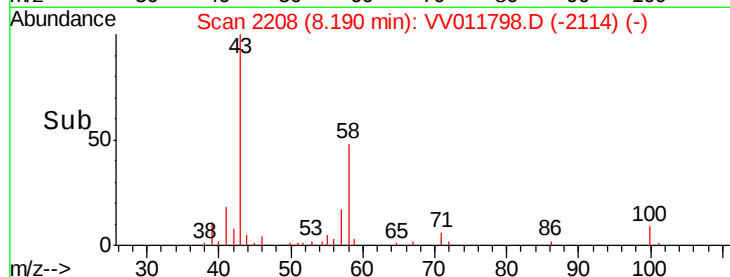
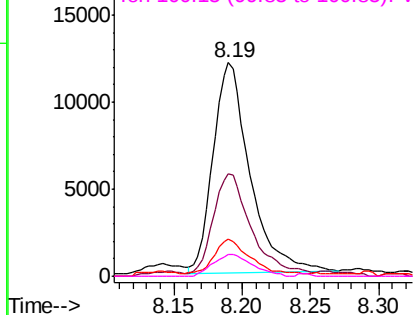
#48
2-Hexanone
Concen: 2.887 ug/L
RT: 8.19 min Scan# 2208
Delta R.T. 0.00 min
Lab File: VV011798.D
Acq: 02 Jul 2019 09:55

Instrument :
MSVOA_V
ClientSampled :
VSTD0.534

Tgt Ion: 43 Resp: 22704
Ion Ratio Lower Upper
43 100
58 51.3 40.9 61.3
57 16.6 14.3 21.5
100 11.0 8.7 13.1

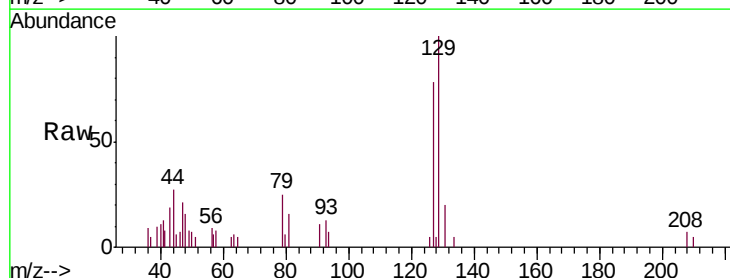


Abundance Ion 43.05 (42.75 to 43.75): VV0
Ion 58.05 (57.75 to 58.75): VV0
Ion 57.20 (56.90 to 57.90): VV0
Ion 100.15 (99.85 to 100.85): VV0

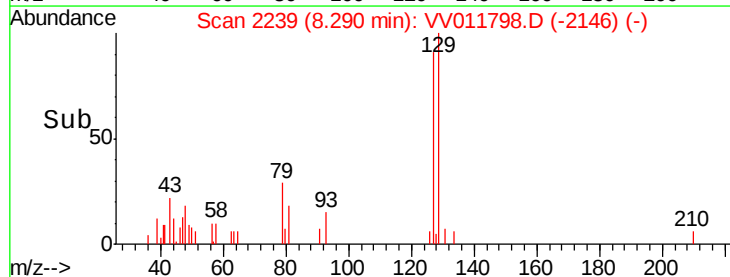
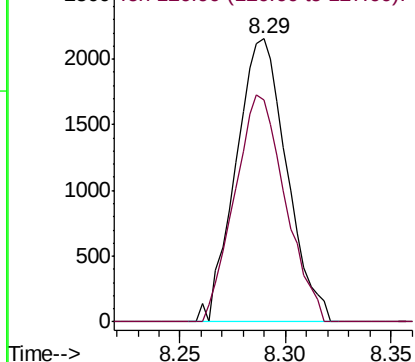


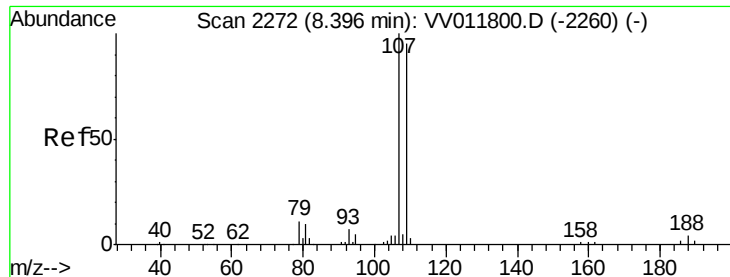
#49
Dibromochloromethane
Concen: 0.335 ug/L
RT: 8.29 min Scan# 2239
Delta R.T. 0.00 min
Lab File: VV011798.D
Acq: 02 Jul 2019 09:55

Tgt Ion: 129 Resp: 3605
Ion Ratio Lower Upper
129 100
127 78.4 53.9 100.1



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

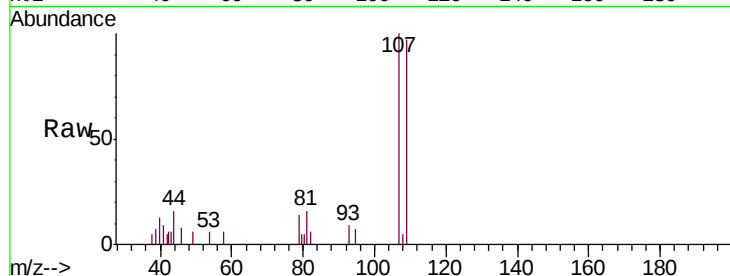




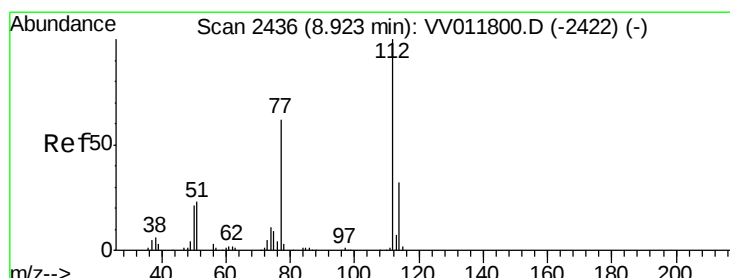
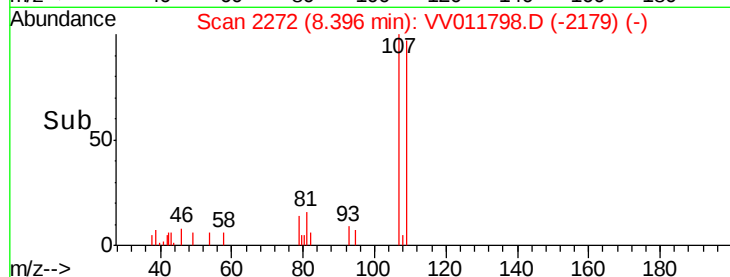
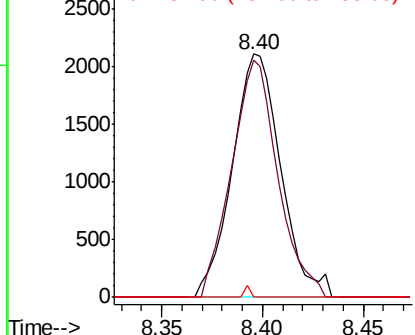
#50
 1,2-Dibromoethane
 Concen: 0.369 ug/L
 RT: 8.40 min Scan# 2272
 Delta R.T. 0.00 min
 Lab File: VV011798.D
 Acq: 02 Jul 2019 09:55

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD0.534

Tgt Ion:107 Resp: 3554
 Ion Ratio Lower Upper
 107 100
 109 97.4 66.8 124.2
 188 0.0 3.0 4.6#

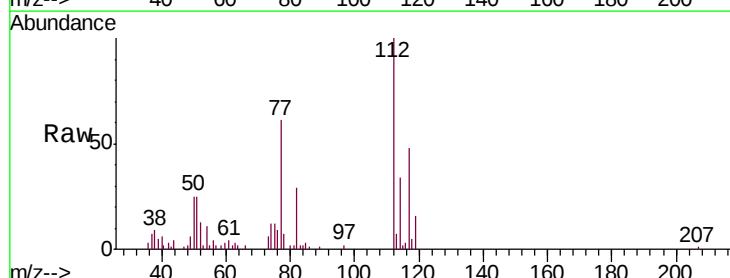


Abundance Ion 106.95 (106.65 to 107.65): V
 Ion 109.00 (108.70 to 109.70): V
 Ion 187.90 (187.60 to 188.60): V

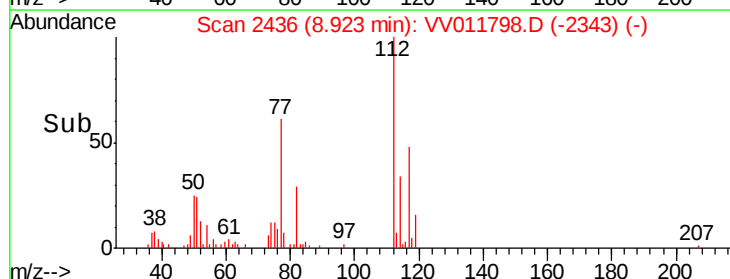
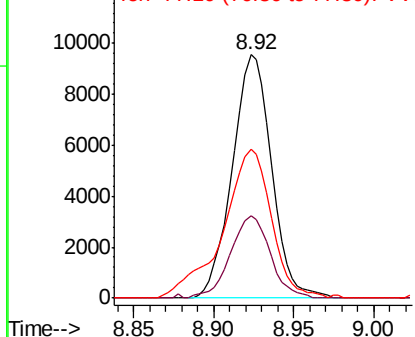


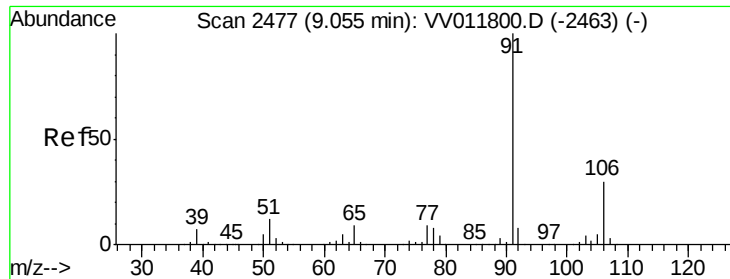
#51
 Chlorobenzene
 Concen: 0.411 ug/L
 RT: 8.92 min Scan# 2436
 Delta R.T. 0.00 min
 Lab File: VV011798.D
 Acq: 02 Jul 2019 09:55

Tgt Ion:112 Resp: 16003
 Ion Ratio Lower Upper
 112 100
 114 33.6 22.7 42.3
 77 61.1 50.3 75.5



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





#52

Ethylbenzene

Concen: 0.384 ug/L

RT: 9.05 min Scan# 2477

Delta R.T. 0.00 min

Lab File: VV011798.D

Acq: 02 Jul 2019 09:55

Instrument :

MSVOA_V

ClientSampleId :

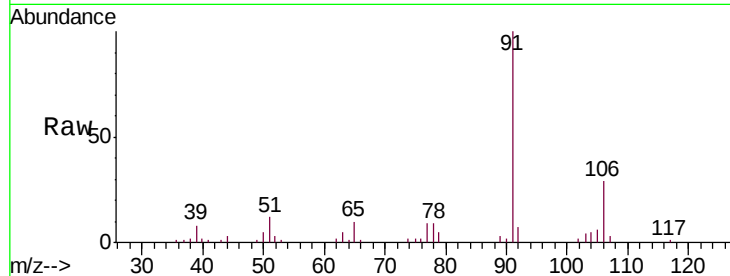
VSTD0.534

Tgt Ion: 91 Resp: 25742

Ion Ratio Lower Upper

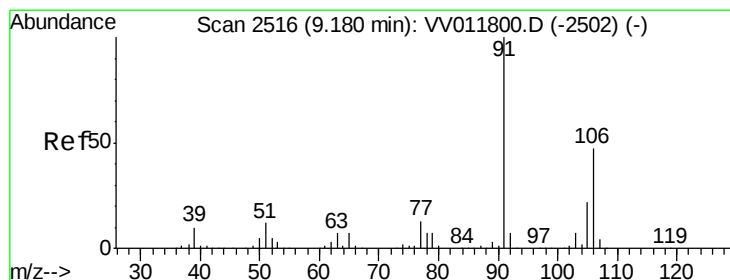
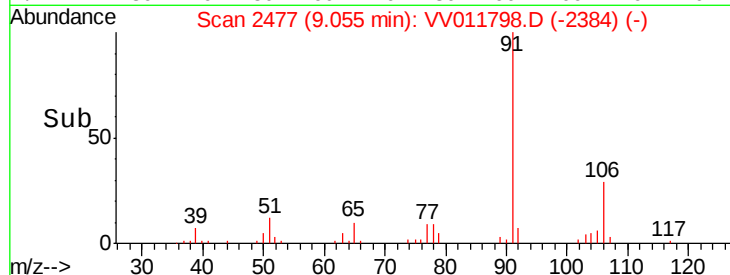
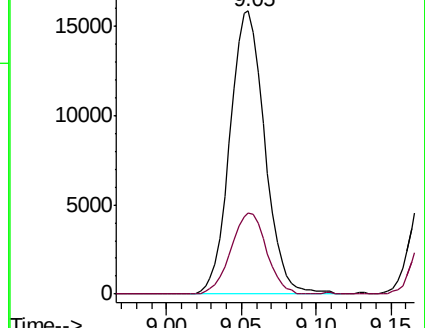
91 100

106 28.9 20.8 38.6



Abundance Ion 91.15 (90.85 to 91.85): VV011800.D (-2463) (-)

Ion 106.15 (105.85 to 106.85): VV011800.D (-2463) (-)



#53

m,p-xylene

Concen: 0.358 ug/L

RT: 9.18 min Scan# 2515

Delta R.T. -0.00 min

Lab File: VV011798.D

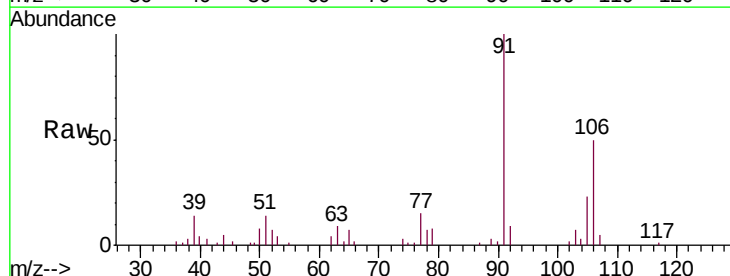
Acq: 02 Jul 2019 09:55

Tgt Ion: 106 Resp: 8791

Ion Ratio Lower Upper

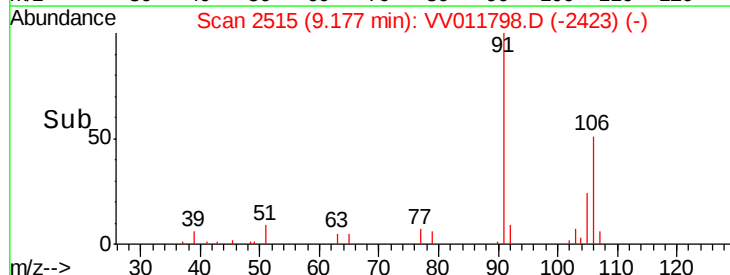
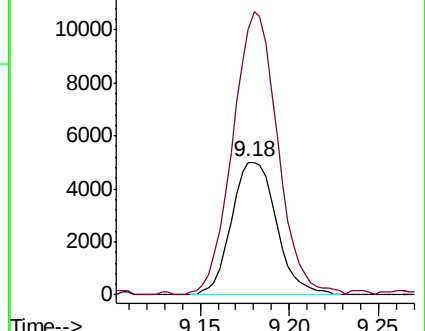
106 100

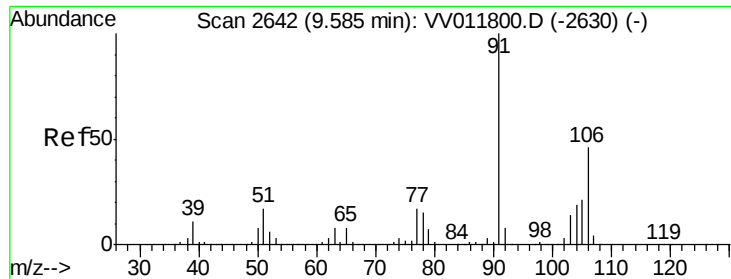
91 199.6 148.2 275.2



Abundance Ion 106.15 (105.85 to 106.85): VV011800.D (-2502) (-)

Ion 91.15 (90.85 to 91.85): VV011800.D (-2502) (-)

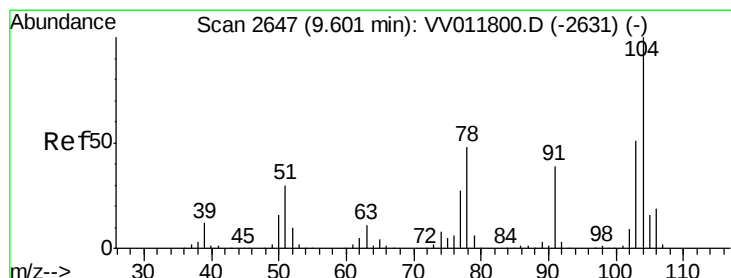
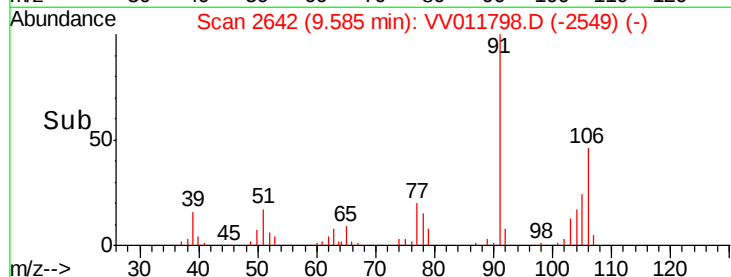
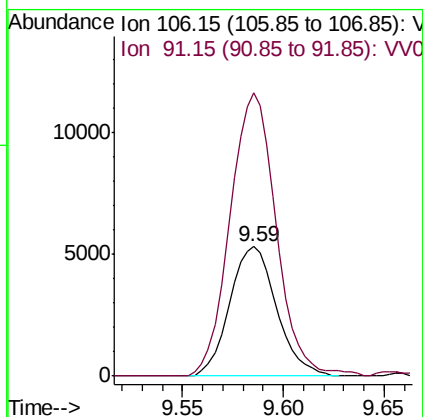
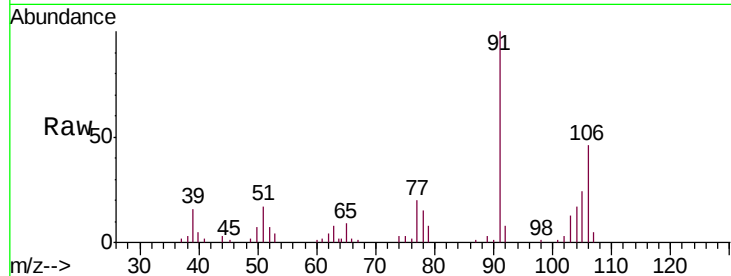




#54
o-xylene
Concen: 0.354 ug/L
RT: 9.59 min Scan# 2642
Delta R.T. 0.00 min
Lab File: VV011798.D
Acq: 02 Jul 2019 09:55

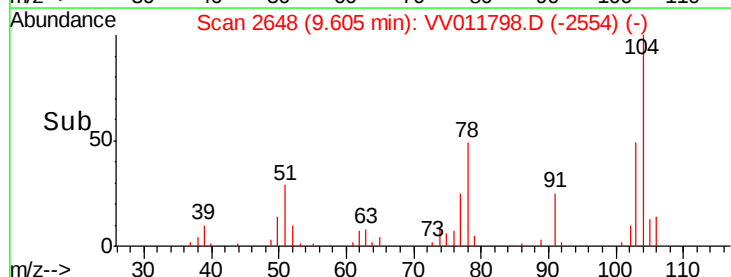
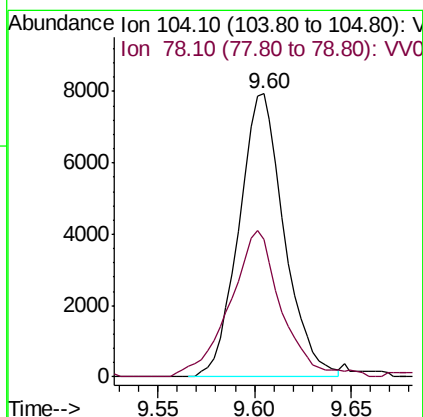
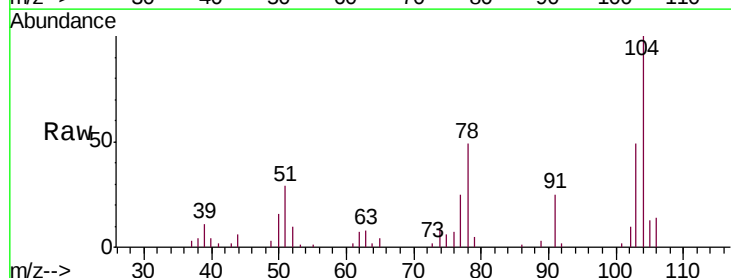
Instrument :
MSVOA_V
ClientSampleId :
VSTD0.534

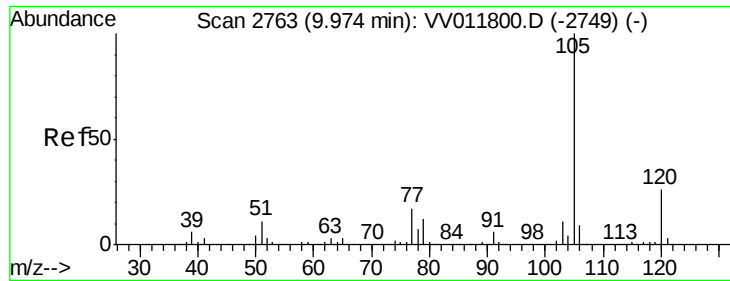
Tgt Ion:106 Resp: 8675
Ion Ratio Lower Upper
106 100
91 218.5 153.2 284.6



#55
Styrene
Concen: 0.319 ug/L
RT: 9.60 min Scan# 2648
Delta R.T. 0.00 min
Lab File: VV011798.D
Acq: 02 Jul 2019 09:55

Tgt Ion:104 Resp: 12961
Ion Ratio Lower Upper
104 100
78 48.5 33.4 62.0





#56

Isopropylbenzene

Concen: 0.363 ug/L

RT: 9.97 min Scan# 2762

Delta R.T. -0.00 min

Lab File: VV011798.D

Acq: 02 Jul 2019 09:55

Instrument :

MSVOA_V

ClientSampleId :

VSTD0.534

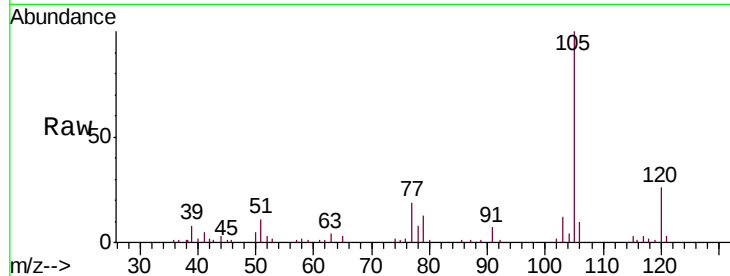
Tgt Ion: 105 Resp: 22961

Ion Ratio Lower Upper

105 100

120 26.3 21.2 31.8

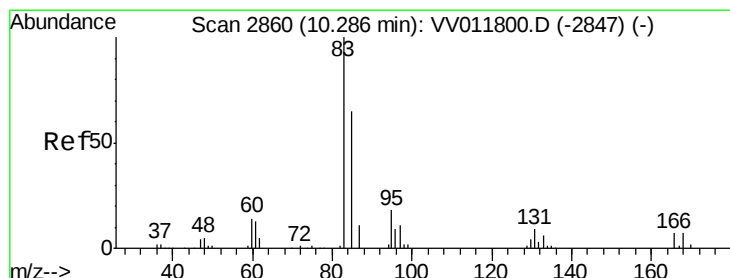
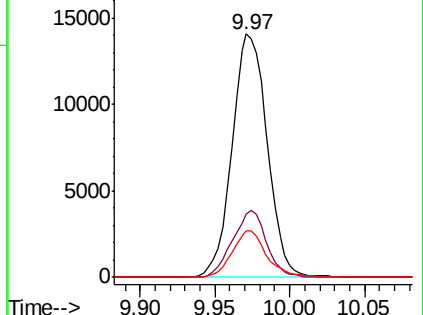
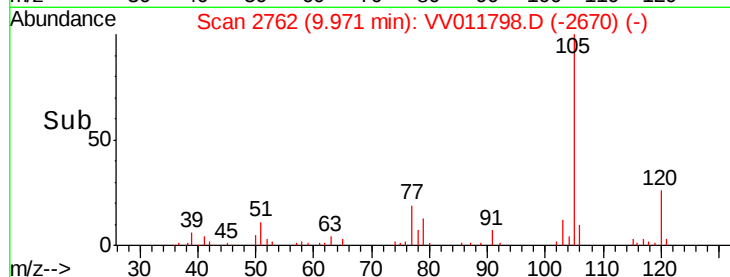
77 18.7 13.5 20.3



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: 0.363 ug/L

RT: 10.29 min Scan# 2860

Delta R.T. 0.00 min

Lab File: VV011798.D

Acq: 02 Jul 2019 09:55

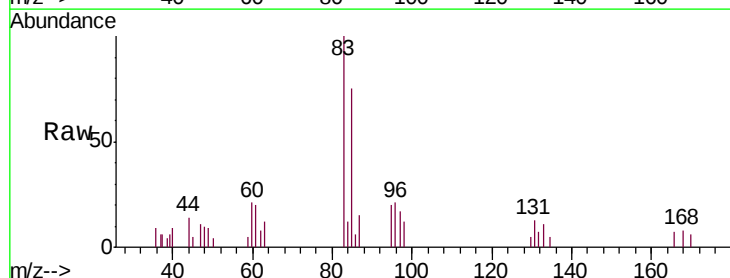
Tgt Ion: 83 Resp: 4720

Ion Ratio Lower Upper

83 100

85 74.9 46.1 85.7

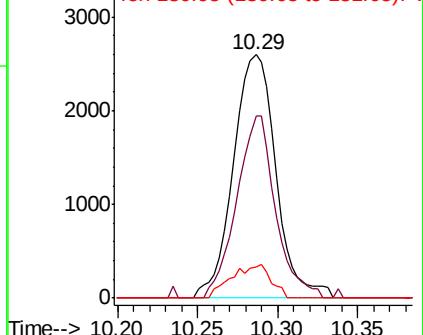
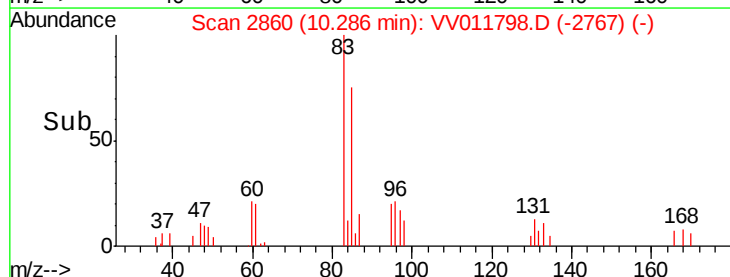
131 12.7 7.8 11.6#

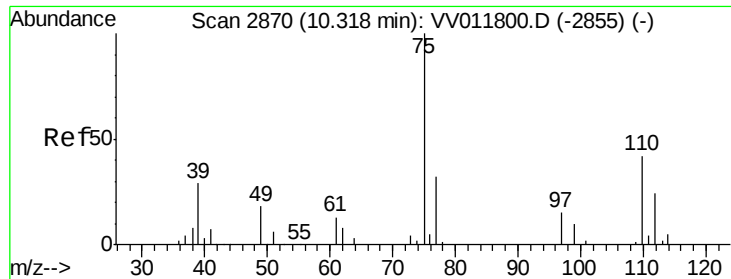


Abundance Ion 82.95 (82.65 to 83.65): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 130.95 (130.65 to 131.65): V





#59

1,2,3-Trichloropropane

Concen: 0.369 ug/L

RT: 10.32 min Scan# 2869

Delta R.T. -0.00 min

Lab File: VV011798.D

Acq: 02 Jul 2019 09:55

Instrument :

MSVOA_V

ClientSampleId :

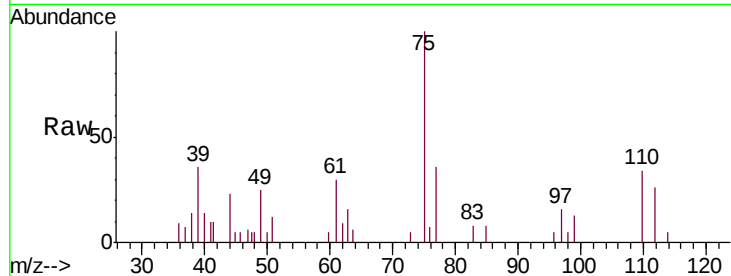
VSTD0.534

Tgt Ion: 75 Resp: 3652

Ion Ratio Lower Upper

75 100

77 35.7 25.4 38.2



Abundance Ion 75.00 (74.70 to 75.70): VV011800.D (-2855) (-)

Ion 77.00 (76.70 to 77.70): VV011800.D (-2855) (-)

10.32

2500

2000

1500

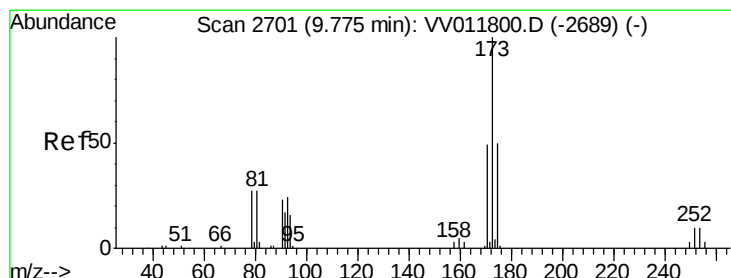
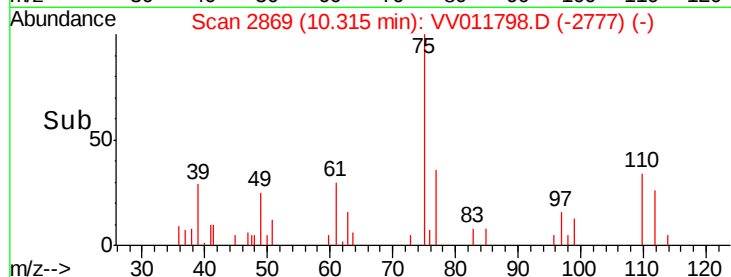
1000

500

0

Time-->

10.25 10.30 10.35



#61

Bromoform

Concen: 0.337 ug/L

RT: 9.77 min Scan# 2701

Delta R.T. 0.00 min

Lab File: VV011798.D

Acq: 02 Jul 2019 09:55

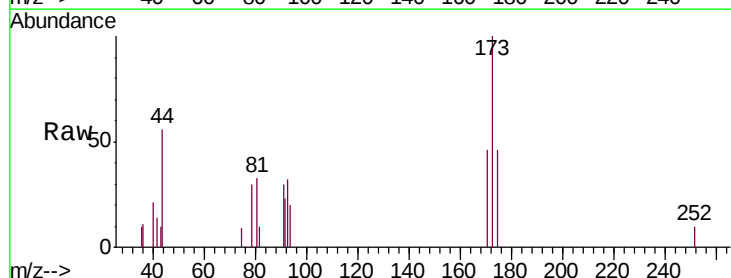
Tgt Ion: 173 Resp: 1733

Ion Ratio Lower Upper

173 100

175 43.5 38.1 57.1

254 2.3 7.9 11.9#



Abundance Ion 172.90 (172.60 to 173.60): VV011800.D (-2689) (-)

Ion 174.90 (174.60 to 175.60): VV011800.D (-2689) (-)

Ion 253.75 (253.45 to 254.45): VV011800.D (-2689) (-)

9.77

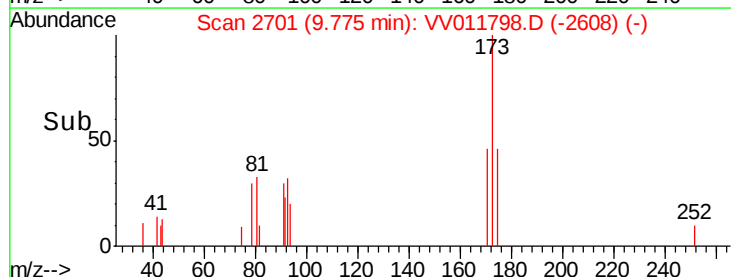
1000

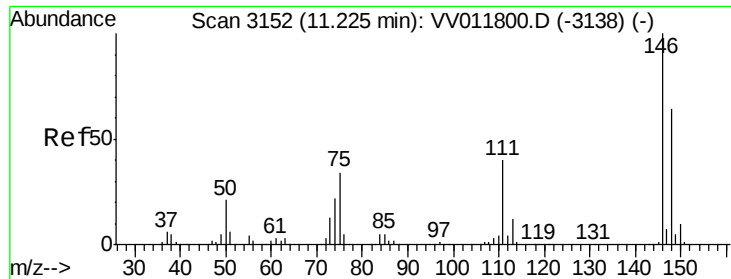
500

0

Time-->

9.75 9.80





#62

1,3-Dichlorobenzene

Concen: 0.396 ug/L

RT: 11.23 min Scan# 3152

Delta R.T. 0.00 min

Lab File: VV011798.D

Acq: 02 Jul 2019 09:55

Instrument :

MSVOA_V

ClientSampleId :

VSTD0.534

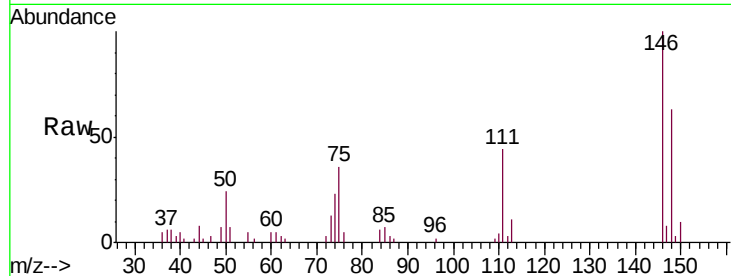
Tgt Ion:146 Resp: 10558

Ion Ratio Lower Upper

146 100

111 43.6 28.1 52.1

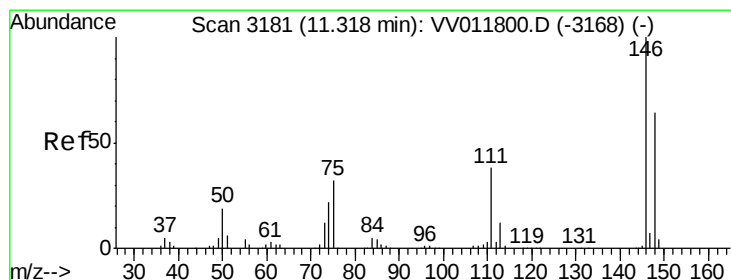
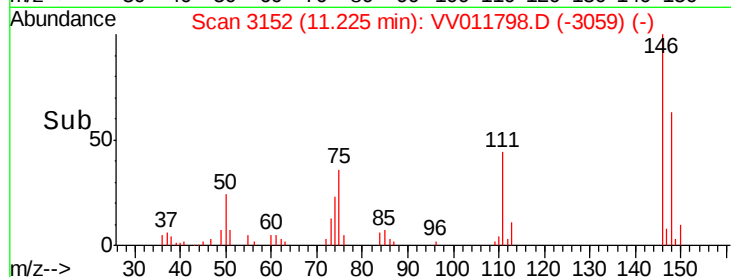
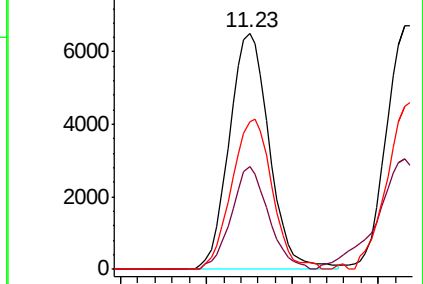
148 62.7 44.7 83.1



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: 0.410 ug/L

RT: 11.32 min Scan# 3180

Delta R.T. -0.00 min

Lab File: VV011798.D

Acq: 02 Jul 2019 09:55

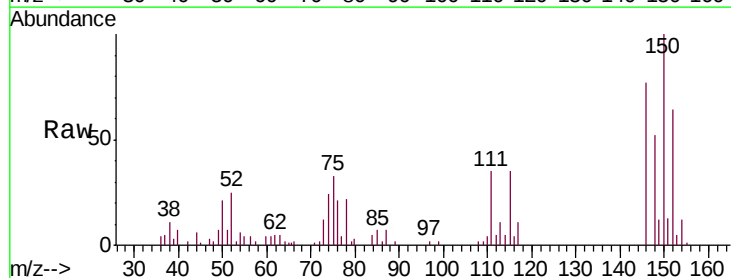
Tgt Ion:146 Resp: 11131

Ion Ratio Lower Upper

146 100

111 45.6 27.2 50.4

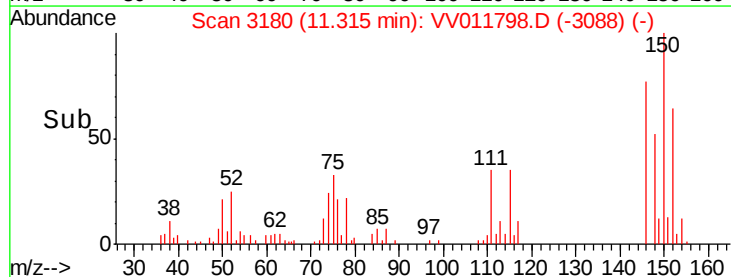
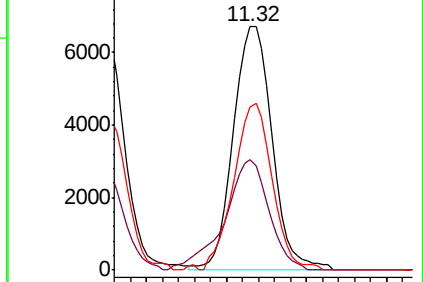
148 67.1 45.1 83.7

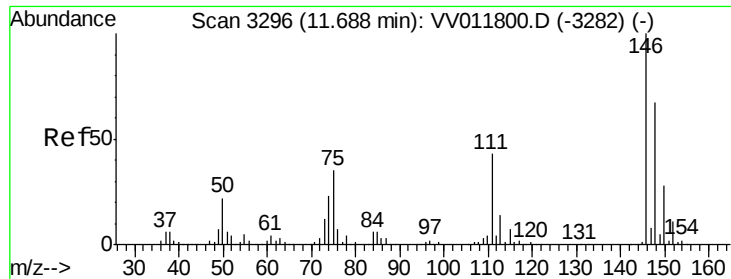


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 0.377 ug/L

RT: 11.69 min Scan# 3296

Delta R.T. 0.00 min

Lab File: VV011798.D

Acq: 02 Jul 2019 09:55

Instrument :

MSVOA_V

ClientSampleId :

VSTD0.534

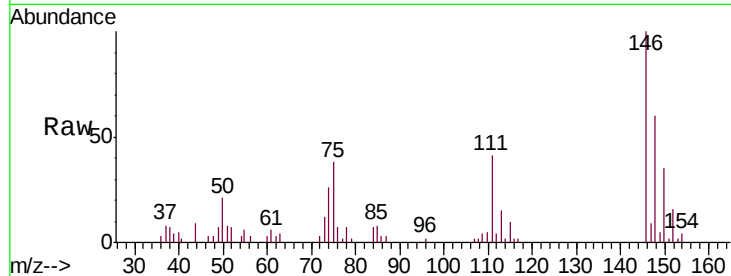
Tgt Ion:146 Resp: 10003

Ion Ratio Lower Upper

146 100

111 40.8 34.6 52.0

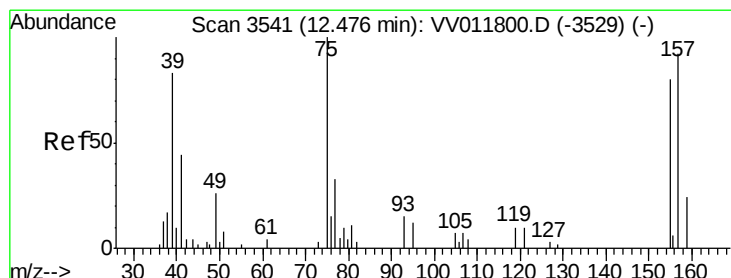
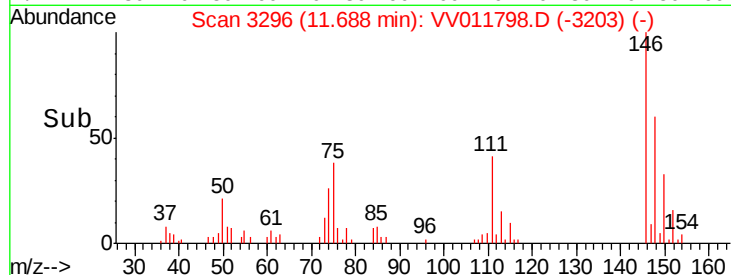
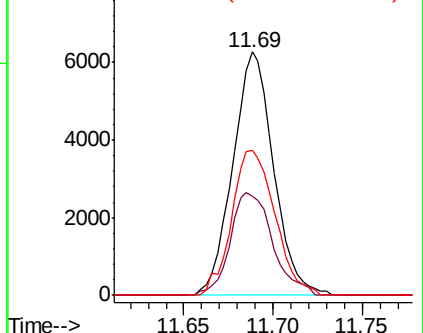
148 59.8 53.3 79.9



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#66

1,2-Dibromo-3-chloropropane

Concen: 0.396 ug/L

RT: 12.48 min Scan# 3542

Delta R.T. 0.00 min

Lab File: VV011798.D

Acq: 02 Jul 2019 09:55

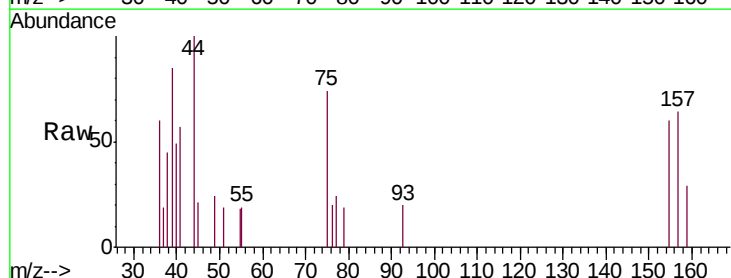
Tgt Ion: 75 Resp: 744

Ion Ratio Lower Upper

75 100

155 80.6 64.2 96.4

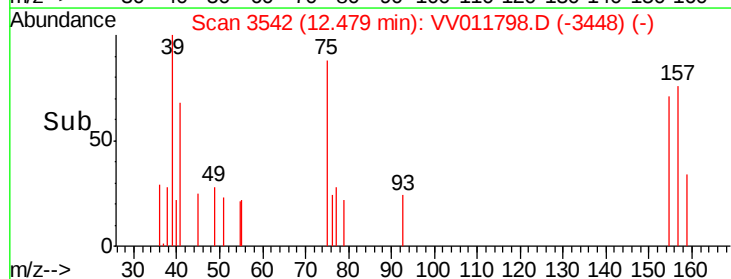
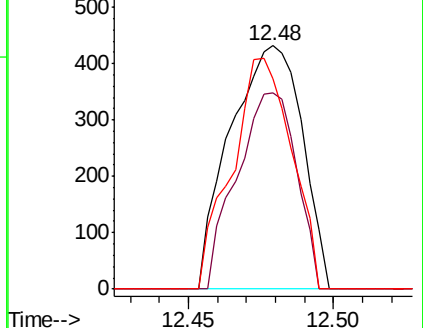
157 86.6 73.6 110.4

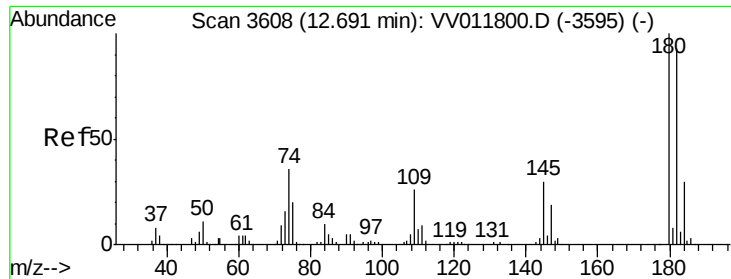


Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V

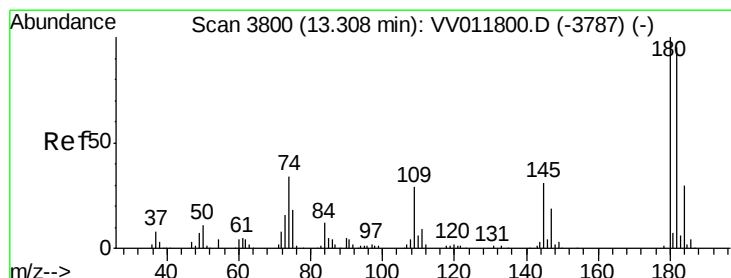
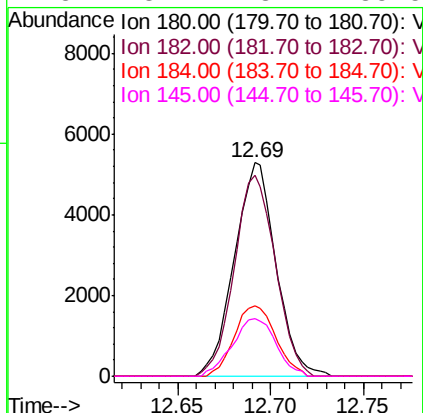
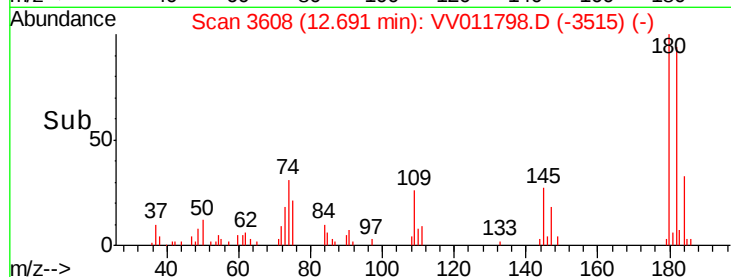
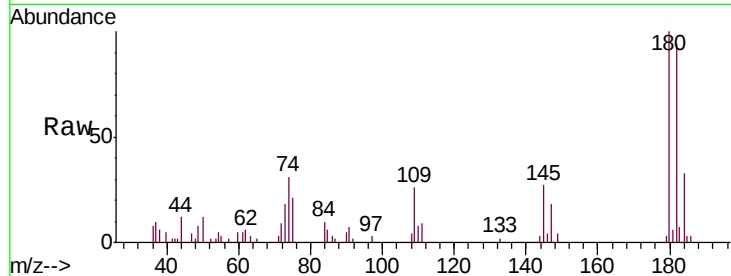




#67
 1,3,5-Trichlorobenzene
 Concen: 0.418 ug/L
 RT: 12.69 min Scan# 3608
 Delta R.T. 0.00 min
 Lab File: VV011798.D
 Acq: 02 Jul 2019 09:55

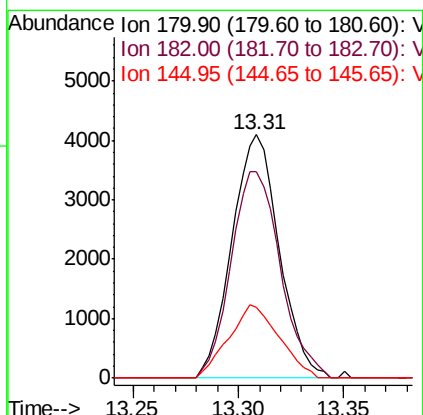
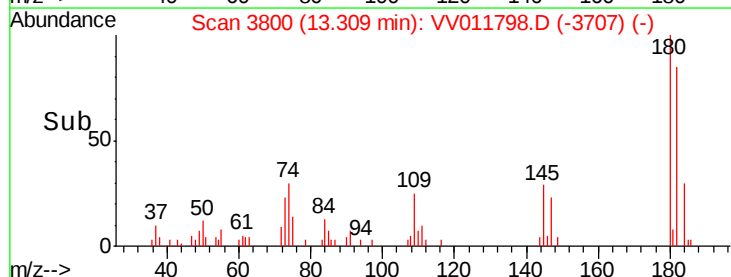
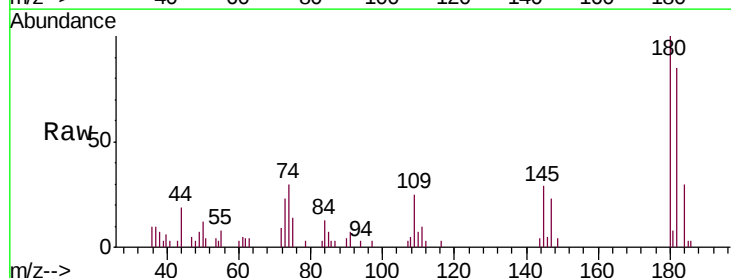
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD0.534

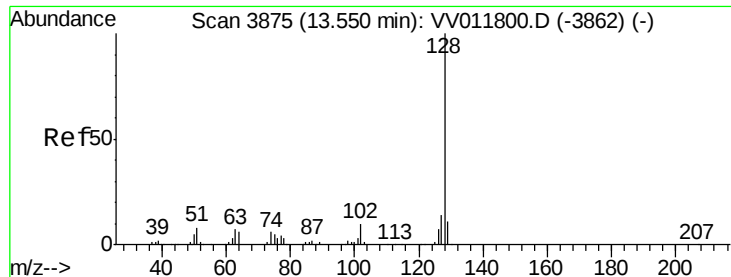
Tgt Ion:180 Resp: 8260
 Ion Ratio Lower Upper
 180 100
 182 92.9 75.3 112.9
 184 32.7 24.2 36.4
 145 28.4 23.7 35.5



#68
 1,2,4-trichlorobenzene
 Concen: 0.400 ug/L
 RT: 13.31 min Scan# 3800
 Delta R.T. 0.00 min
 Lab File: VV011798.D
 Acq: 02 Jul 2019 09:55

Tgt Ion:180 Resp: 6361
 Ion Ratio Lower Upper
 180 100
 182 89.0 75.2 112.8
 145 32.1 24.5 36.7





#69

Naphthalene

Concen: 0.285 ug/L

RT: 13.55 min Scan# 3875

Delta R.T. 0.00 min

Lab File: VV011798.D

Acq: 02 Jul 2019 09:55

Instrument :

MSVOA_V

ClientSampleId :

VSTD0.534

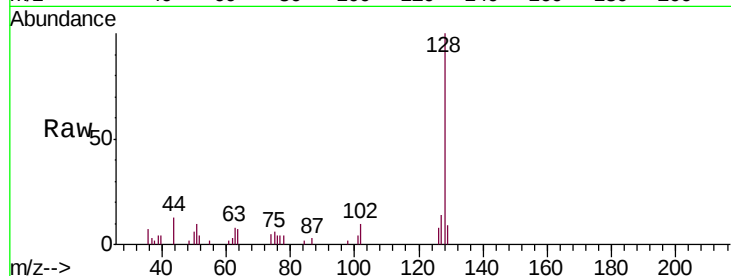
Tgt Ion:128 Resp: 8576

Ion Ratio Lower Upper

128 100

129 10.3 8.7 13.1

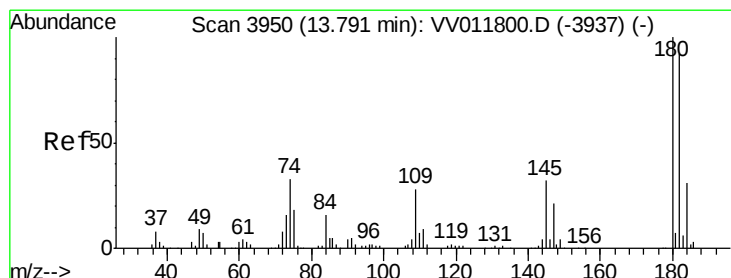
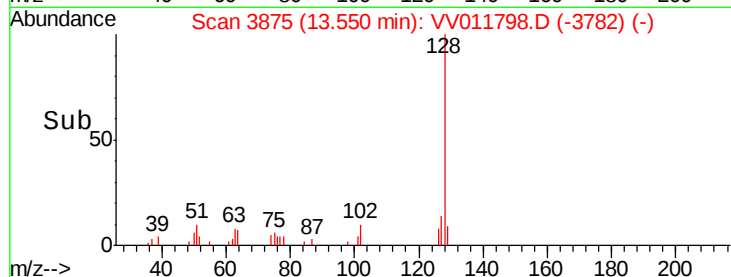
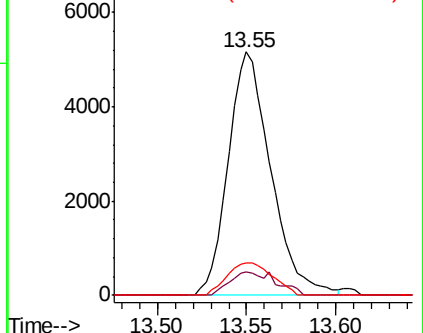
127 14.2 10.6 16.0



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: 0.369 ug/L

RT: 13.79 min Scan# 3950

Delta R.T. 0.00 min

Lab File: VV011798.D

Acq: 02 Jul 2019 09:55

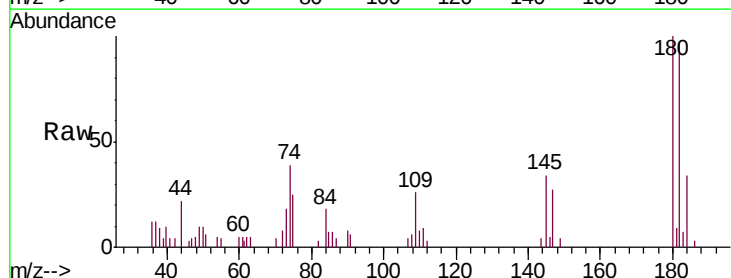
Tgt Ion:180 Resp: 5654

Ion Ratio Lower Upper

180 100

182 88.0 74.7 112.1

145 33.0 26.2 39.4



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

