

Data File : VV007602.D
Acq On : 18 Sep 2018 14:26
Operator : SY/MD
Sample : VSTD0.566
Misc : 25.0 mL/MSVOA_V/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VSTD0.566

Quant Time: Sep 19 01:28:09 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR091818WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Wed Sep 19 01:25:54 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.67	114	114504	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	105811	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	56608	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	2916	0.49	ug/L	0.00
7) Chloroethane-d5	1.59	69	2445	0.49	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.14	63	7043	0.56	ug/L	0.00
20) 2-Butanone-d5	3.98	46	3170	3.85	ug/L	0.00
24) Chloroform-d	4.41	84	5620	0.46	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.09	65	2723	0.46	ug/L	0.00
32) Benzene-d6	5.10	84	11123	0.47	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.13	67	3223	0.46	ug/L	0.00
41) Toluene-d8	7.37	98	11288	0.46	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.67	79	1355	0.42	ug/L	0.00
46) 2-Hexanone-d5	8.15	63	1642	3.16	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.27	84	1912	0.39	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.68	152	5252	0.51	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	5431	0.805 ug/L	92
3) Chloromethane	1.25	50	3710	0.651 ug/L #	77
5) Vinyl chloride	1.32	62	4145	0.653 ug/L	99
6) Bromomethane	1.54	94	3241	0.714 ug/L	98
8) Chloroethane	1.60	64	2508	0.644 ug/L	83
9) Trichlorofluoromethane	1.78	101	8654	0.688 ug/L	98
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	4834	0.701 ug/L	96
12) 1,1-Dichloroethene	2.14	96	4574	0.737 ug/L	96
13) Acetone	2.21	43	3516	6.267 ug/L	88
14) Carbon disulfide	2.32	76	13409	0.743 ug/L	96
15) Methyl Acetate	2.48	43	730	0.453 ug/L #	74
16) Methylene chloride	2.54	84	5912	0.887 ug/L	98
17) Methyl tert-butyl Ether	2.82	73	9574	0.659 ug/L #	86
18) trans-1,2-Dichloroethene	2.79	96	4957	0.741 ug/L	99
19) 1,1-Dichloroethane	3.23	63	5916	0.615 ug/L	97
21) 2-Butanone	4.06	43	5184	5.588 ug/L	87
22) cis-1,2-Dichloroethene	3.97	96	4176	0.641 ug/L	89
23) Bromochloromethane	4.31	128	1891	0.660 ug/L	97
25) Chloroform	4.43	83	7160	0.651 ug/L	92
27) 1,2-Dichloroethane	5.19	62	3900	0.621 ug/L	97
29) 1,1,1-Trichloroethane	4.66	97	6470	0.603 ug/L	98
30) Cyclohexane	4.73	56	5851	0.628 ug/L	97
31) Carbon tetrachloride	4.88	117	6116	0.607 ug/L	99
33) Benzene	5.15	78	14715	0.644 ug/L	100
34) Trichloroethene	5.96	95	5418	0.766 ug/L	94
35) Methylcyclohexane	6.18	83	7025	0.648 ug/L	94
37) 1,2-Dichloropropane	6.23	63	3062	0.549 ug/L #	88
38) Bromodichloromethane	6.56	83	4528	0.564 ug/L	99
39) cis-1,3-Dichloropropene	7.08	75	5350	0.605 ug/L	92
40) 4-Methyl-2-pentanone	7.29	43	19758	6.472 ug/L	94

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Quant Time: Sep 19 01:28:09 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR091818WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Wed Sep 19 01:25:54 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.44	91	17176	0.652	ug/L	95
44) trans-1,3-Dichloropropene	7.70	75	3927	0.541	ug/L	95
45) 1,1,2-Trichloroethane	7.89	97	2680	0.640	ug/L	88
47) Tetrachloroethene	8.02	164	4682	0.736	ug/L	95
48) 2-Hexanone	8.21	43	15240	6.458	ug/L	96
49) Dibromochloromethane	8.30	129	3106	0.527	ug/L	94
50) 1,2-Dibromoethane	8.41	107	2740	0.674	ug/L #	87
51) Chlorobenzene	8.93	112	11610	0.653	ug/L	97
52) Ethylbenzene	9.06	91	19122	0.647	ug/L	99
53) m,p-xylene	9.19	106	8076	0.704	ug/L	92
54) o-xylene	9.59	106	6886	0.615	ug/L	98
55) Styrene	9.61	104	11445	0.625	ug/L	98
56) Isopropylbenzene	9.98	105	19876	0.650	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.30	83	2140	0.531	ug/L	93
59) 1,2,3-Trichloropropane	10.32	75	2191	0.642	ug/L	89
61) Bromoform	9.78	173	1807	0.530	ug/L #	91
62) 1,3-Dichlorobenzene	11.23	146	10932	0.727	ug/L	98
63) 1,4-Dichlorobenzene	11.32	146	10553	0.704	ug/L	96
65) 1,2-Dichlorobenzene	11.70	146	9786	0.701	ug/L	100
66) 1,2-Dibromo-3-chloropropan	12.49	75	322	0.470	ug/L	96
67) 1,3,5-Trichlorobenzene	12.70	180	7884	0.668	ug/L	97
68) 1,2,4-trichlorobenzene	13.32	180	4324	0.514	ug/L	96
69) Naphthalene	13.57	128	4228	0.422	ug/L #	96
70) 1,2,3-Trichlorobenzene	13.81	180	4225	0.549	ug/L	97

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

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ALS Vial      : 7      Sample Multiplier: 1
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Instrument :
MSVOA_V
ClientSampleId :
VSTD0.566

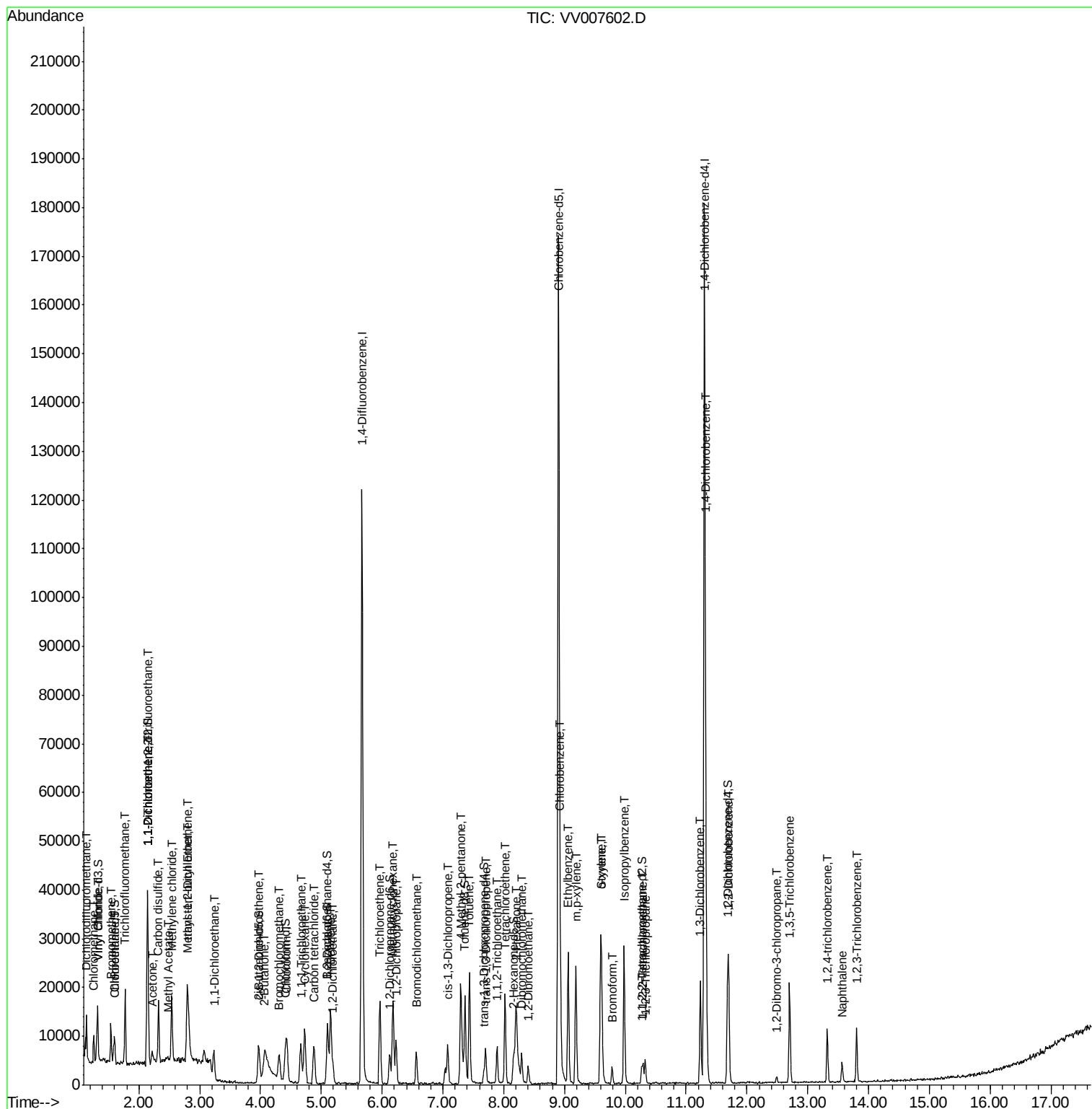
Quant Time: Sep 19 01:28:09 2018

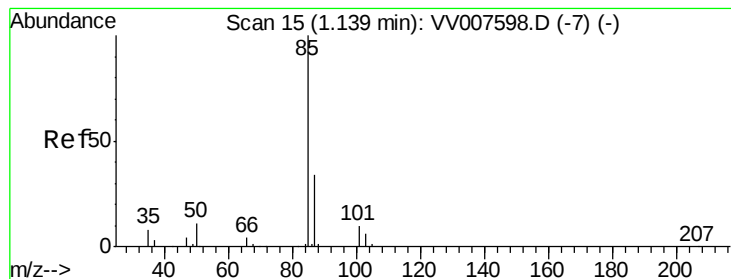
Quant Method : Z:\V0ASRV\HPCHEM1\MSV0A_V\METHOD\SOMVTR091818WMA.M

Quant Title : TRACE VOA SOM01.0

QLast Update : Wed Sep 19 01:25:54 2018

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#2

Dichlorodifluoromethane

Concen: 0.805 ug/L

RT: 1.14 min Scan# 15

Delta R.T. -0.00 min

Lab File: VV007602.D

Acq: 18 Sep 2018 14:26

Instrument :

MSVOA_V

ClientSampleId :

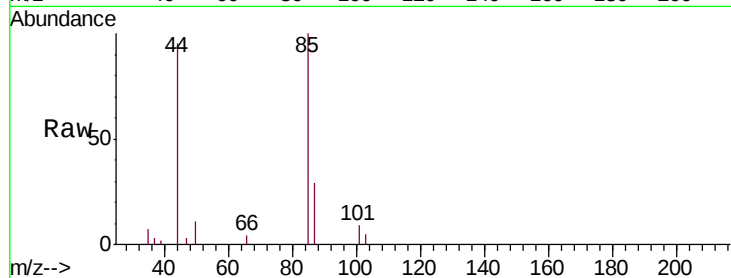
VSTD0.566

Tgt Ion: 85 Resp: 5431

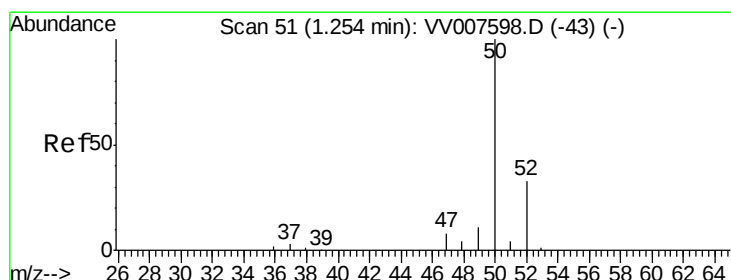
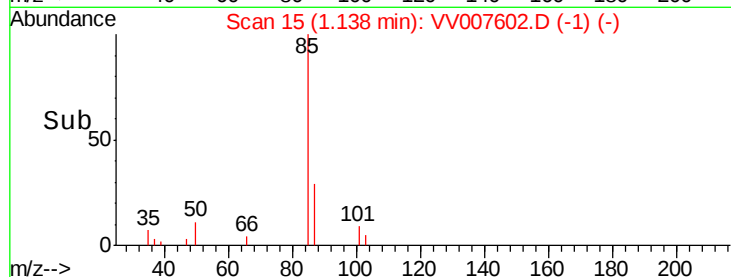
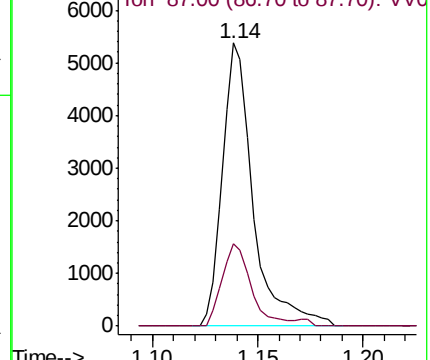
Ion Ratio Lower Upper

85 100

87 28.5 26.6 40.0



Abundance Ion 85.00 (84.70 to 85.70): VV007598.D (-7) (-)



#3

Chloromethane

Concen: 0.651 ug/L

RT: 1.25 min Scan# 51

Delta R.T. -0.00 min

Lab File: VV007602.D

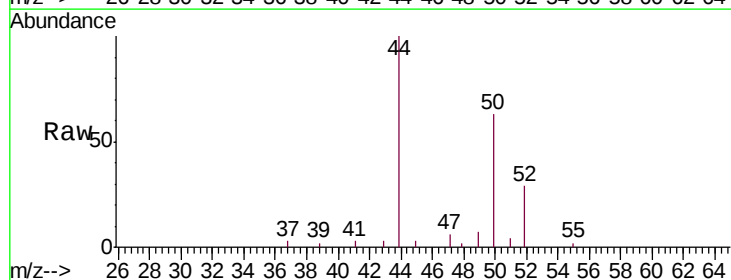
Acq: 18 Sep 2018 14:26

Tgt Ion: 50 Resp: 3710

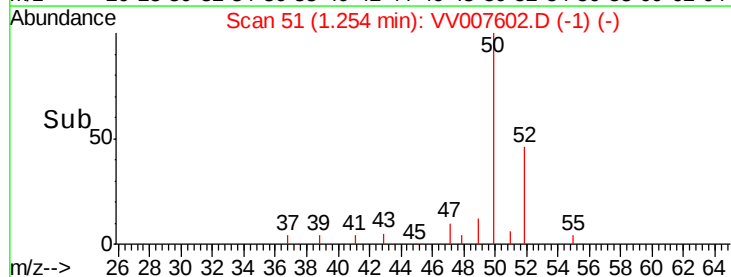
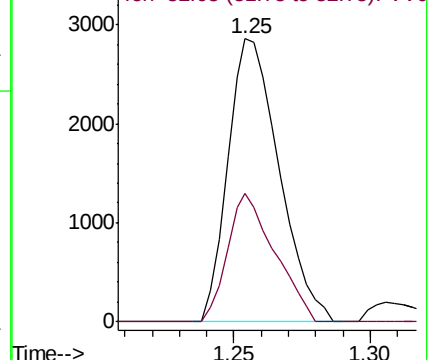
Ion Ratio Lower Upper

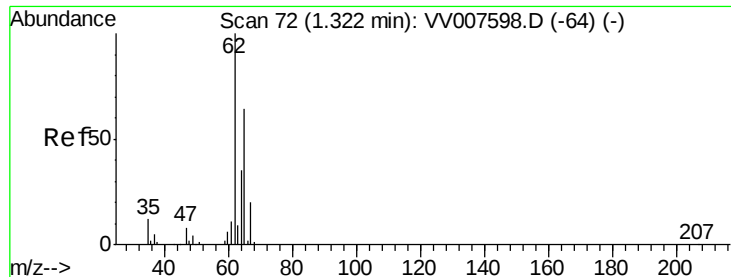
50 100

52 45.5 22.8 42.4#



Abundance Ion 50.05 (49.75 to 50.75): VV007598.D (-43) (-)





#5

Vinyl chloride

Concen: 0.653 ug/L

RT: 1.32 min Scan# 73

Delta R.T. 0.00 min

Lab File: VV007602.D

Acq: 18 Sep 2018 14:26

Instrument :

MSVOA_V

ClientSampleId :

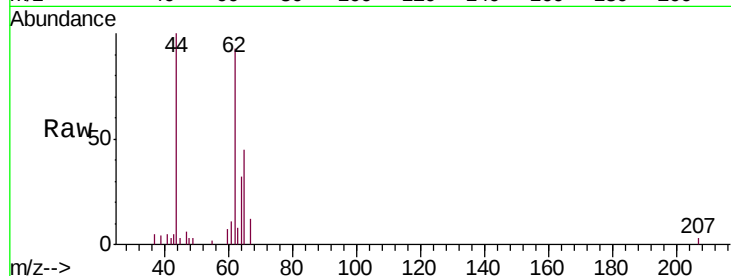
VSTD0.566

Tgt Ion: 62 Resp: 4145

Ion Ratio Lower Upper

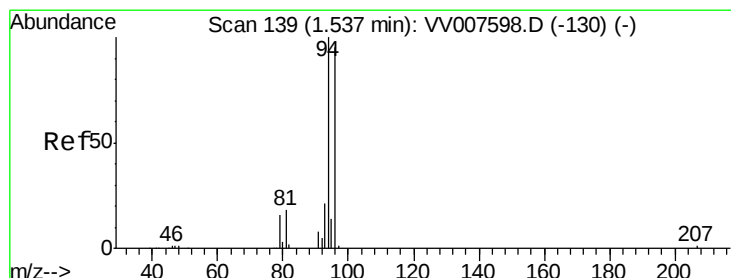
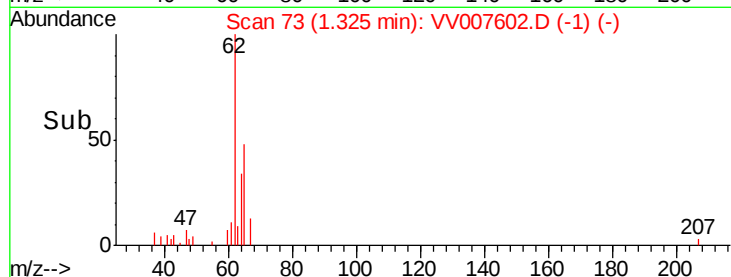
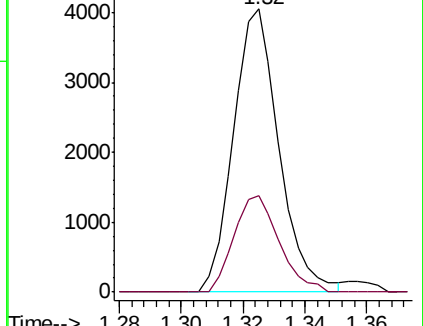
62 100

64 34.0 24.2 45.0



Abundance Ion 62.00 (61.70 to 62.70): VV007598.D (-64) (-)

Ion 64.10 (63.80 to 64.80): VV007598.D (-64) (-)



#6

Bromomethane

Concen: 0.714 ug/L

RT: 1.54 min Scan# 140

Delta R.T. 0.00 min

Lab File: VV007602.D

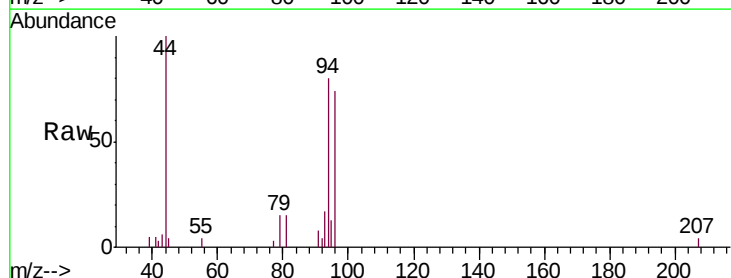
Acq: 18 Sep 2018 14:26

Tgt Ion: 94 Resp: 3241

Ion Ratio Lower Upper

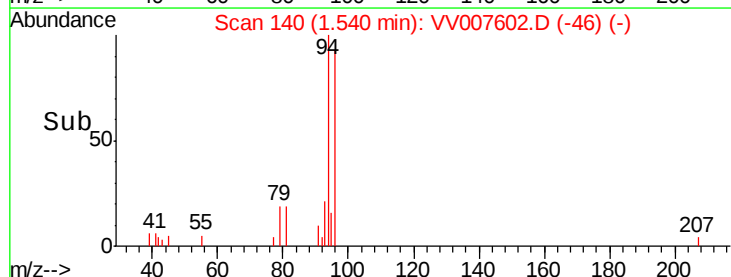
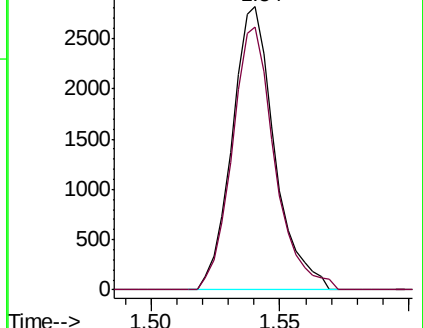
94 100

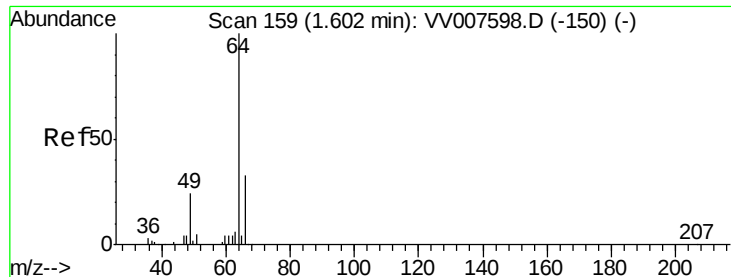
96 92.9 66.6 123.6



Abundance Ion 94.00 (93.70 to 94.70): VV007598.D (-130) (-)

Ion 96.00 (95.70 to 96.70): VV007598.D (-130) (-)





#8

Chloroethane

Concen: 0.644 ug/L

RT: 1.60 min Scan# 159

Delta R.T. -0.00 min

Lab File: VV007602.D

Acq: 18 Sep 2018 14:26

Instrument :

MSVOA_V

ClientSampleId :

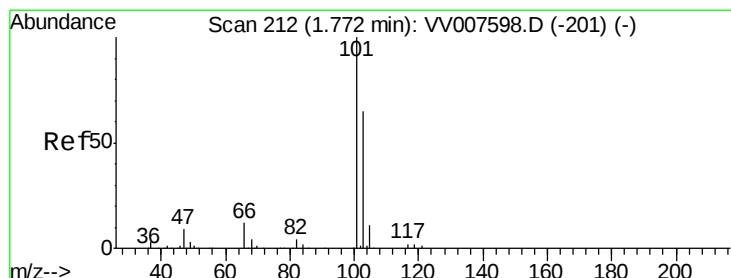
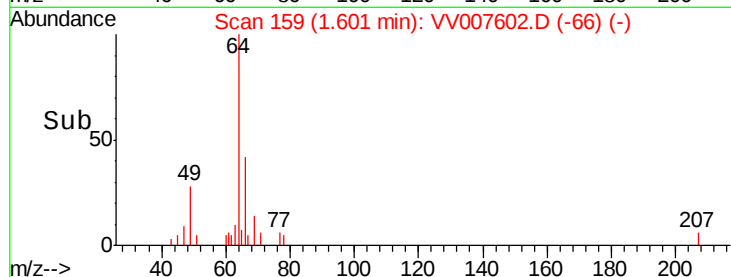
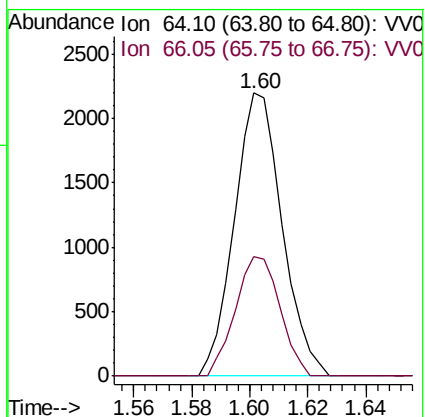
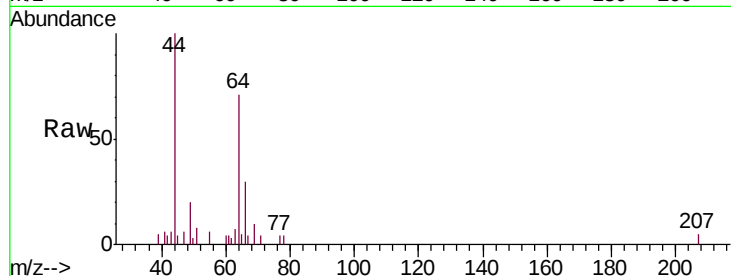
VSTD0.566

Tgt Ion: 64 Resp: 2508

Ion Ratio Lower Upper

64 100

66 42.4 22.9 42.5



#9

Trichlorofluoromethane

Concen: 0.688 ug/L

RT: 1.78 min Scan# 213

Delta R.T. 0.00 min

Lab File: VV007602.D

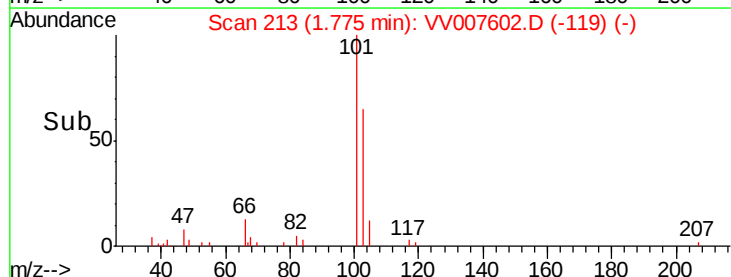
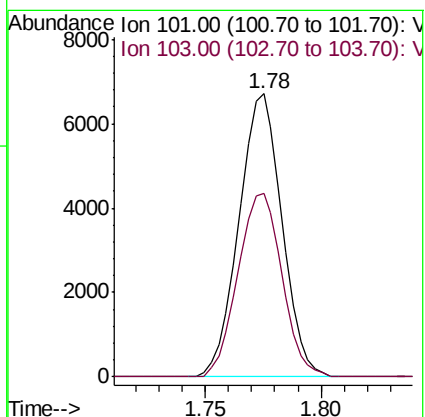
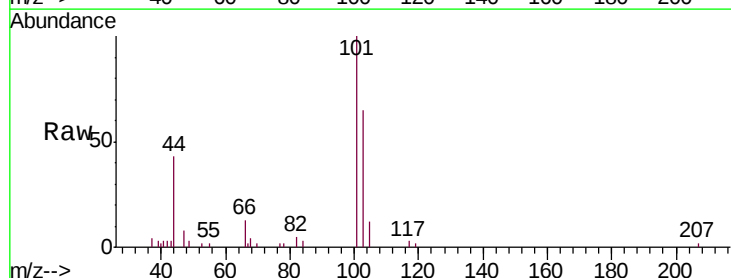
Acq: 18 Sep 2018 14:26

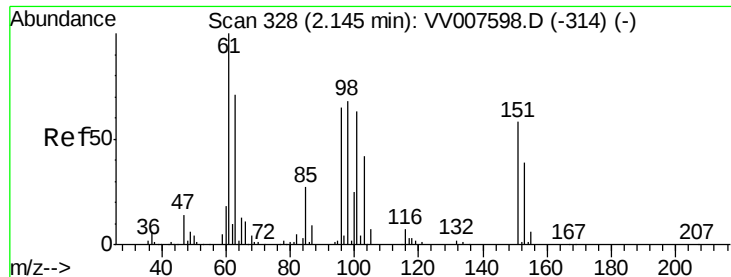
Tgt Ion: 101 Resp: 8654

Ion Ratio Lower Upper

101 100

103 66.4 52.2 78.2





#10

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

Concen: 0.701 ug/L

RT: 2.14 min Scan# 328

Delta R.T. -0.00 min

Lab File: VV007602.D

Acq: 18 Sep 2018 14:26

Instrument :

MSVOA_V

ClientSampleId :

VSTD0.566

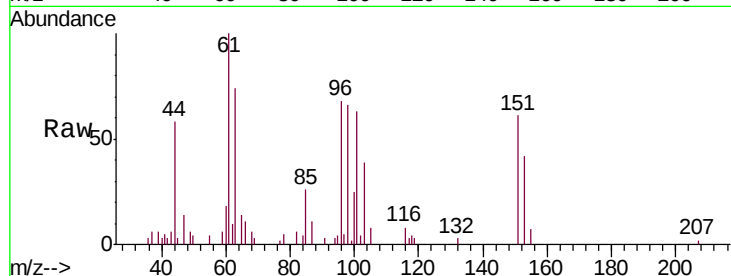
Tgt Ion: 101 Resp: 4834

Ion Ratio Lower Upper

101 100

85 43.6 34.4 51.6

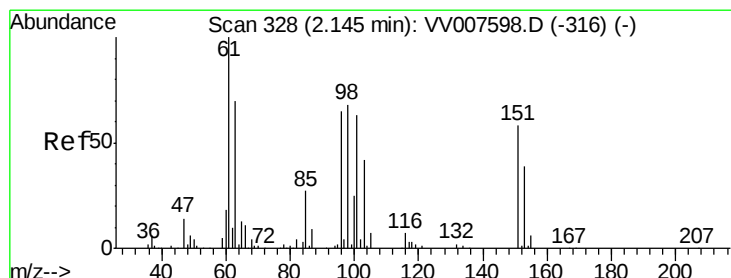
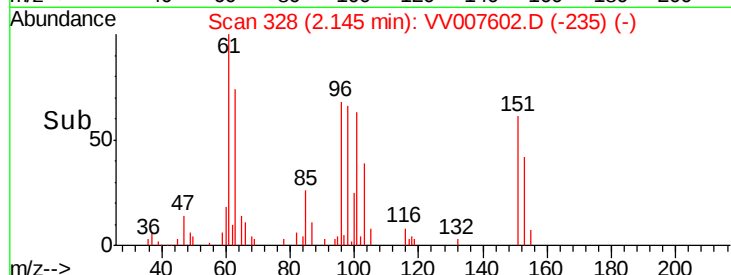
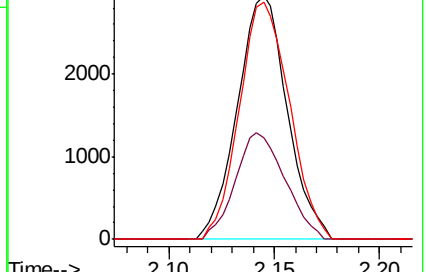
151 97.8 74.1 111.1



Abundance Ion 101.00 (100.70 to 101.70): VV007598.D (-314) (-)

Ion 85.00 (84.70 to 85.70): VV007598.D (-314) (-)

Ion 151.00 (150.70 to 151.70): VV007598.D (-314) (-)



#12

1,1-Dichloroethene

Concen: 0.737 ug/L

RT: 2.14 min Scan# 328

Delta R.T. -0.00 min

Lab File: VV007602.D

Acq: 18 Sep 2018 14:26

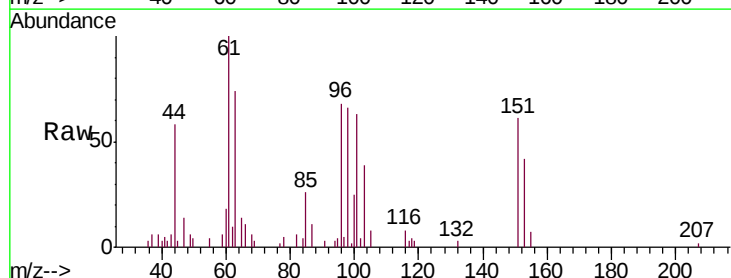
Tgt Ion: 96 Resp: 4574

Ion Ratio Lower Upper

96 100

61 146.6 108.1 200.9

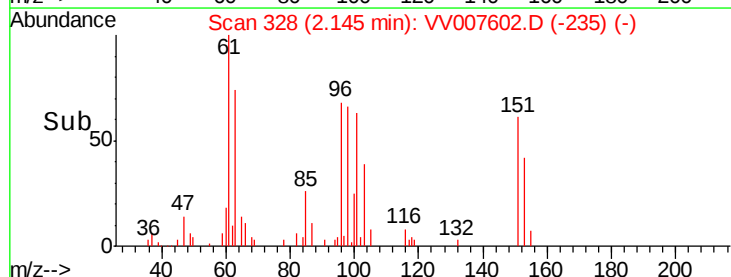
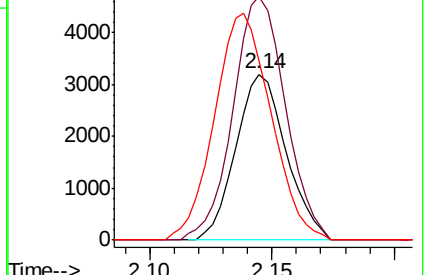
63 108.1 76.9 142.9

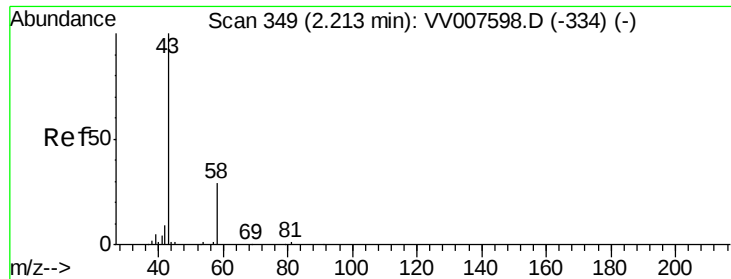


Abundance Ion 96.00 (95.70 to 96.70): VV007598.D (-316) (-)

Ion 61.05 (60.75 to 61.75): VV007598.D (-316) (-)

Ion 63.00 (62.70 to 63.70): VV007598.D (-316) (-)





#13

Acetone

Concen: 6.267 ug/L

RT: 2.21 min Scan# 349

Delta R.T. -0.00 min

Lab File: VV007602.D

Acq: 18 Sep 2018 14:26

Instrument :

MSVOA_V

ClientSampleId :

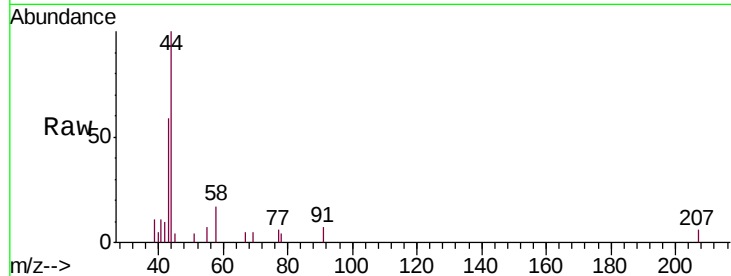
VSTD0.566

Tgt Ion: 43 Resp: 3516

Ion Ratio Lower Upper

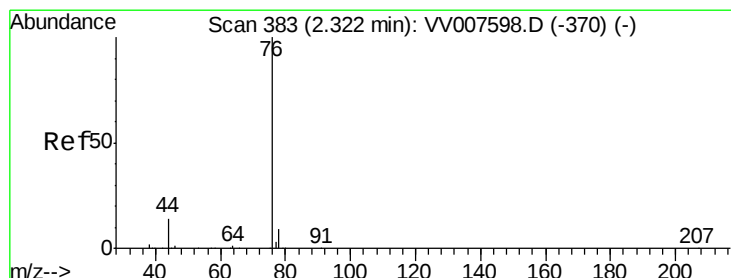
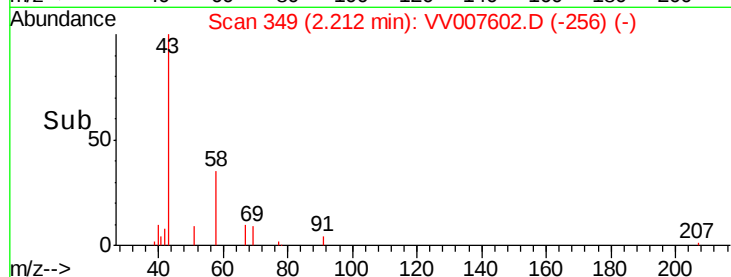
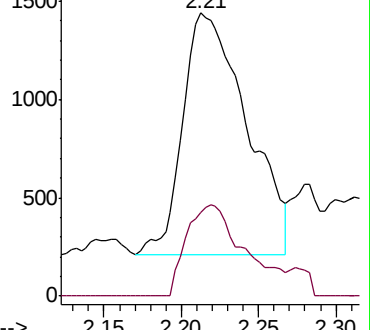
43 100

58 34.8 0.0 57.2



Abundance Ion 43.05 (42.75 to 43.75): VV007598.D (-334) (-)

Ion 58.05 (57.75 to 58.75): VV007598.D (-334) (-)



#14

Carbon disulfide

Concen: 0.743 ug/L

RT: 2.32 min Scan# 383

Delta R.T. -0.00 min

Lab File: VV007602.D

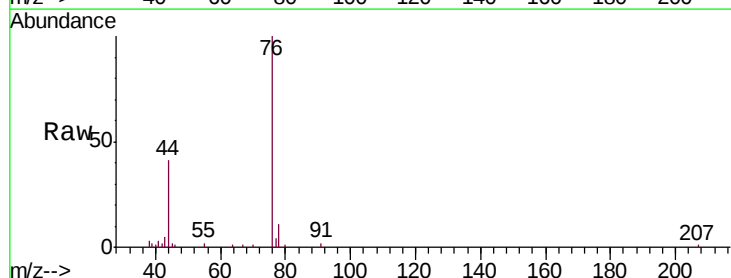
Acq: 18 Sep 2018 14:26

Tgt Ion: 76 Resp: 13409

Ion Ratio Lower Upper

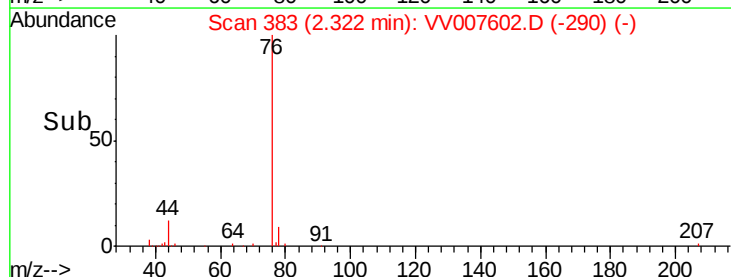
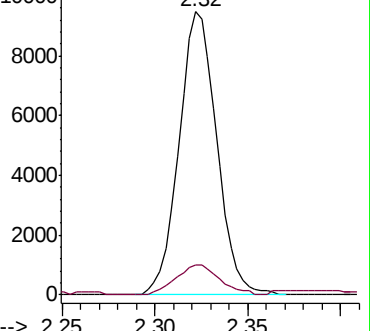
76 100

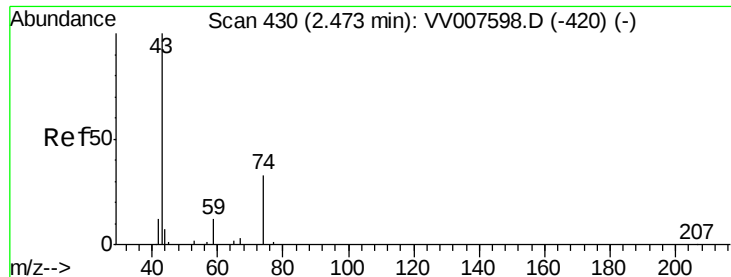
78 10.5 7.4 11.0



Abundance Ion 76.05 (75.75 to 76.75): VV007598.D (-370) (-)

Ion 78.00 (77.70 to 78.70): VV007598.D (-370) (-)





#15

Methyl Acetate

Concen: 0.453 ug/L

RT: 2.48 min Scan# 432

Delta R.T. 0.01 min

Lab File: VV007602.D

Acq: 18 Sep 2018 14:26

Instrument :

MSVOA_V

ClientSampled :

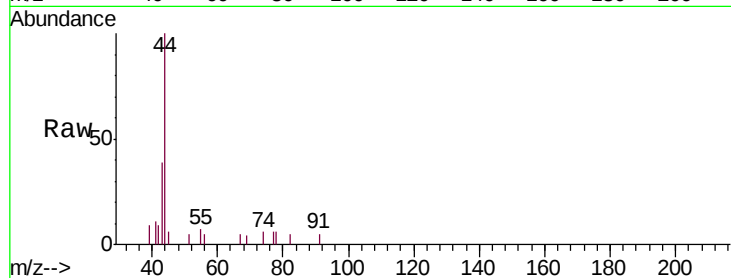
VSTD0.566

Tgt Ion: 43 Resp: 730

Ion Ratio Lower Upper

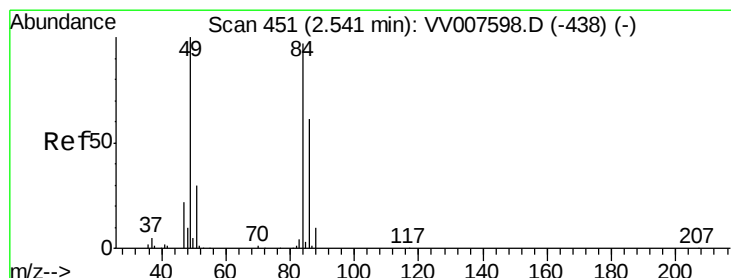
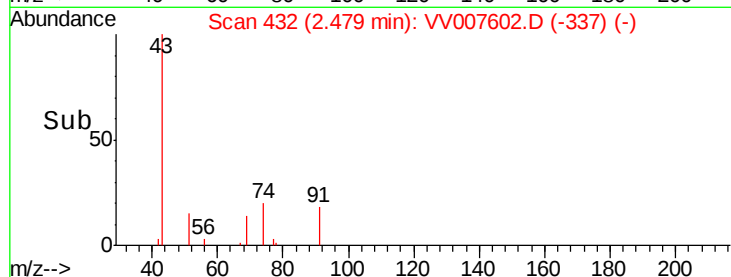
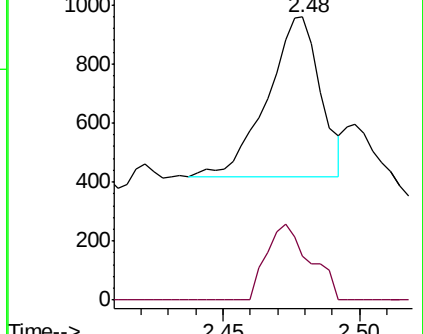
43 100

74 38.9 20.6 31.0#



Abundance Ion 43.05 (42.75 to 43.75): VV0

Ion 74.05 (73.75 to 74.75): VV0



#16

Methylene chloride

Concen: 0.887 ug/L

RT: 2.54 min Scan# 451

Delta R.T. -0.00 min

Lab File: VV007602.D

Acq: 18 Sep 2018 14:26

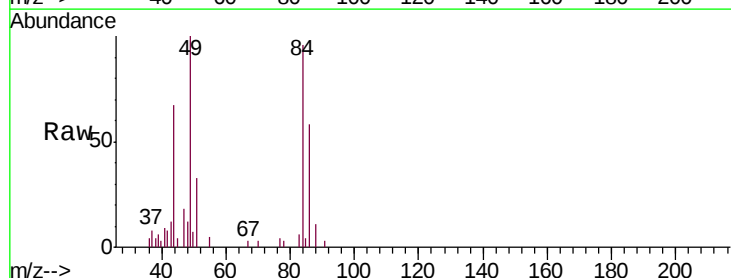
Tgt Ion: 84 Resp: 5912

Ion Ratio Lower Upper

84 100

86 60.9 44.4 82.4

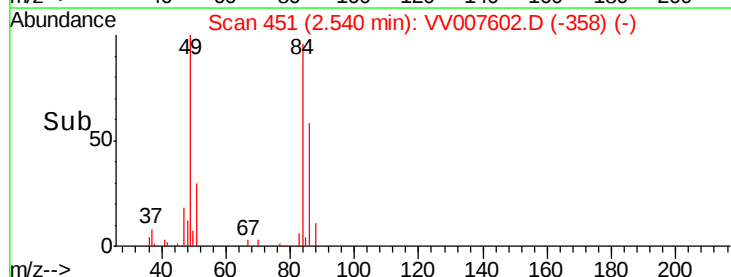
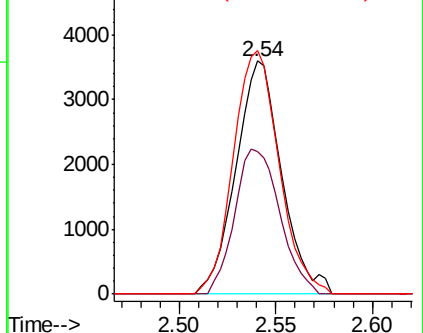
49 104.4 72.3 134.3

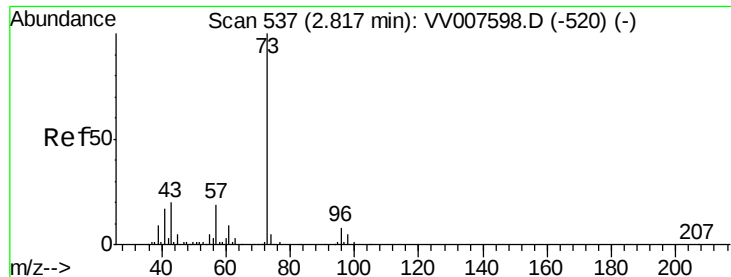


Abundance Ion 84.05 (83.75 to 84.75): VV0

Ion 86.00 (85.70 to 86.70): VV0

Ion 49.10 (48.80 to 49.80): VV0





#17

Methyl tert-butyl Ether

Concen: 0.659 ug/L

RT: 2.82 min Scan# 537

Delta R.T. -0.00 min

Lab File: VV007602.D

Acq: 18 Sep 2018 14:26

Instrument :

MSVOA_V

ClientSampleId :

VSTD0.566

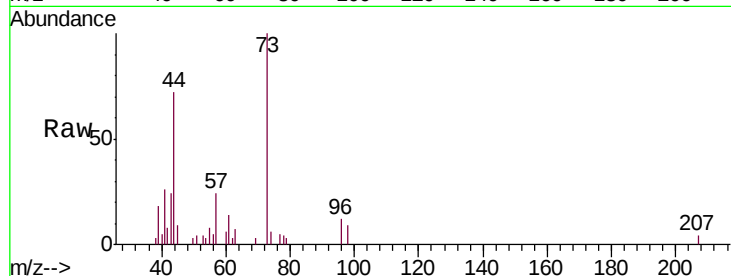
Tgt Ion: 73 Resp: 9574

Ion Ratio Lower Upper

73 100

43 10.9 16.2 24.2#

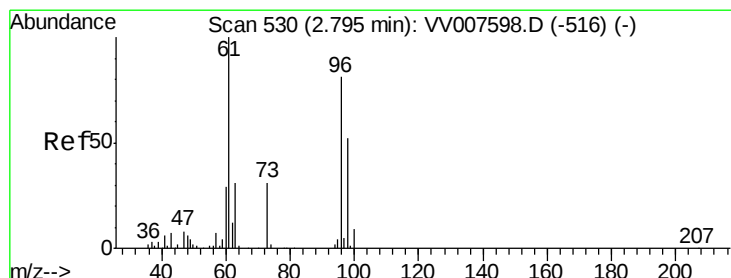
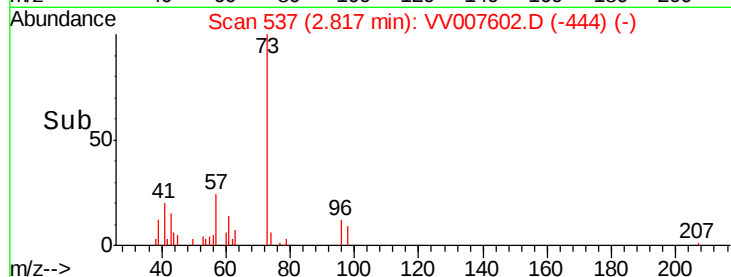
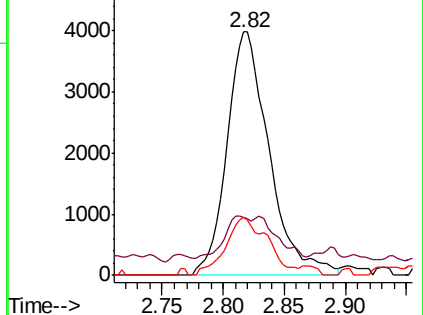
57 23.8 16.4 24.6



Abundance Ion 73.10 (72.80 to 73.80): VV007598.D (-520) (-)

Ion 43.05 (42.75 to 43.75): VV007598.D (-520) (-)

Ion 57.10 (56.80 to 57.80): VV007598.D (-520) (-)



#18

trans-1,2-Dichloroethene

Concen: 0.741 ug/L

RT: 2.79 min Scan# 530

Delta R.T. -0.00 min

Lab File: VV007602.D

Acq: 18 Sep 2018 14:26

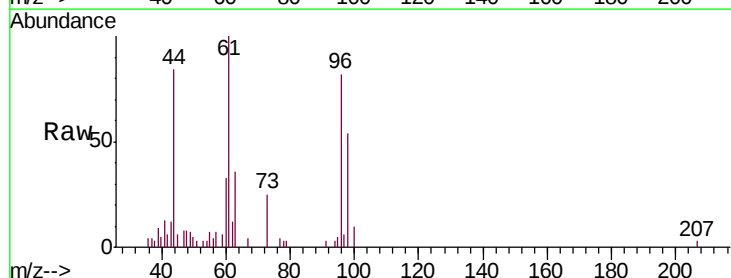
Tgt Ion: 96 Resp: 4957

Ion Ratio Lower Upper

96 100

61 122.1 86.0 159.6

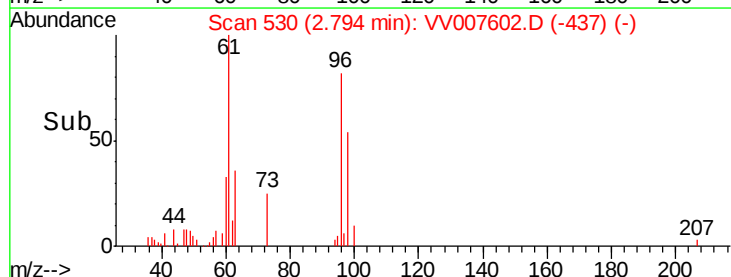
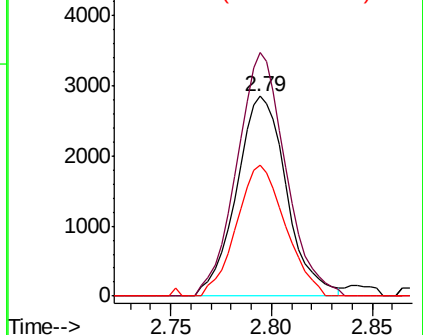
98 65.7 44.9 83.3

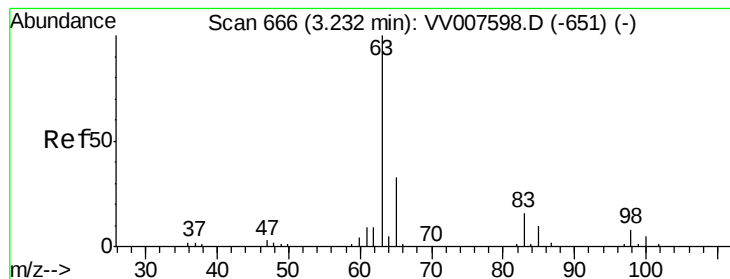


Abundance Ion 96.00 (95.70 to 96.70): VV007598.D (-516) (-)

Ion 61.05 (60.75 to 61.75): VV007598.D (-516) (-)

Ion 97.95 (97.65 to 98.65): VV007598.D (-516) (-)





#19

1,1-Dichloroethane

Concen: 0.615 ug/L

RT: 3.23 min Scan# 666

Delta R.T. -0.00 min

Lab File: VV007602.D

Acq: 18 Sep 2018 14:26

Instrument :

MSVOA_V

ClientSampleId :

VSTD0.566

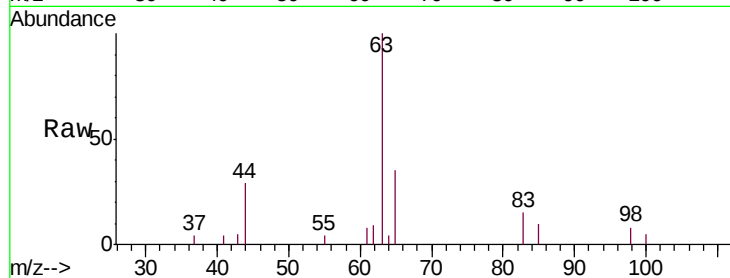
Tgt Ion: 63 Resp: 5916

Ion Ratio Lower Upper

63 100

65 34.7 23.0 42.8

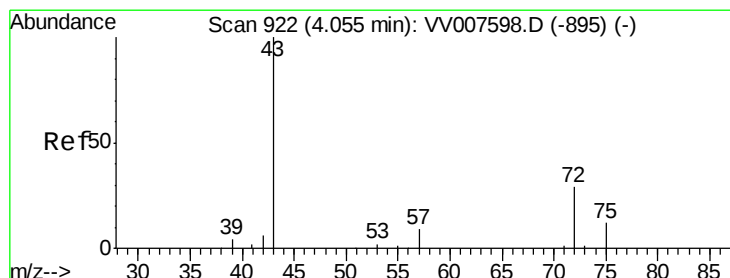
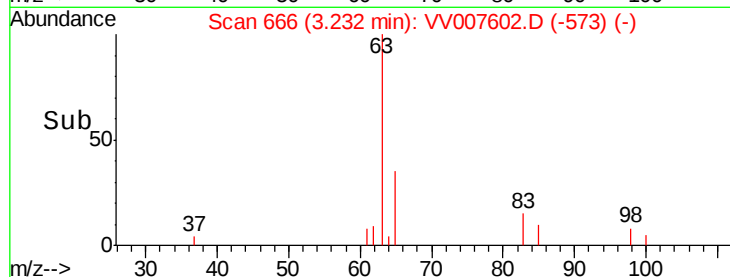
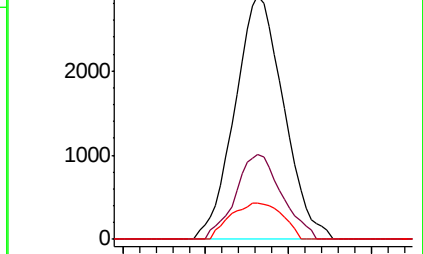
83 15.1 11.3 20.9



Abundance Ion 63.10 (62.80 to 63.80): VV007602.D (-573) (-)

Ion 65.10 (64.80 to 65.80): VV007602.D (-573) (-)

Ion 83.05 (82.75 to 83.75): VV007602.D (-573) (-)



#21

2-Butanone

Concen: 5.588 ug/L

RT: 4.06 min Scan# 925

Delta R.T. 0.01 min

Lab File: VV007602.D

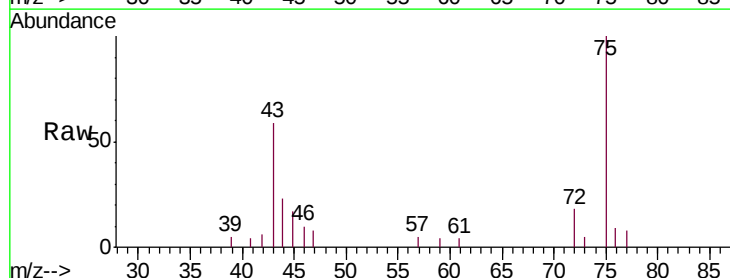
Acq: 18 Sep 2018 14:26

Tgt Ion: 43 Resp: 5184

Ion Ratio Lower Upper

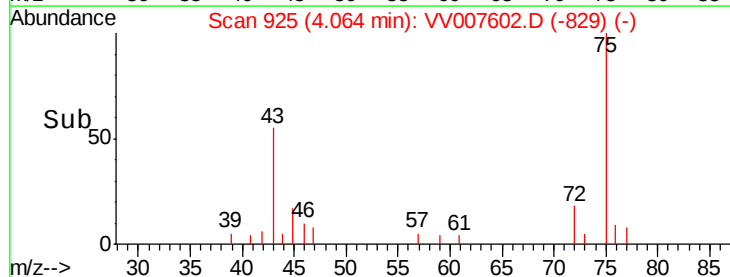
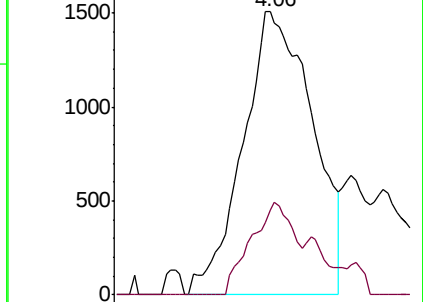
43 100

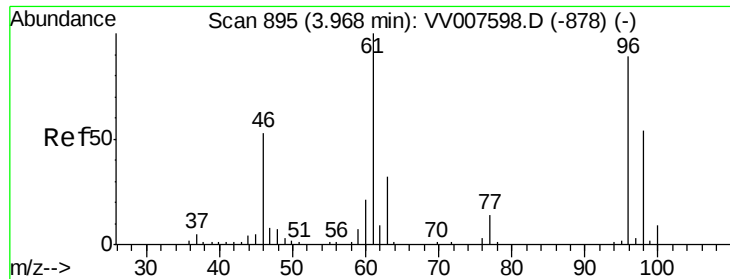
72 20.2 13.4 40.2



Abundance Ion 43.05 (42.75 to 43.75): VV007602.D (-829) (-)

Ion 72.10 (71.80 to 72.80): VV007602.D (-829) (-)



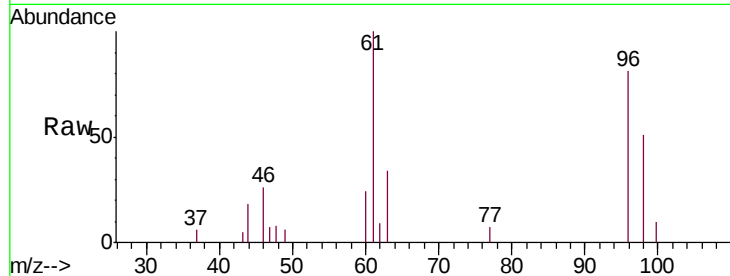


#22

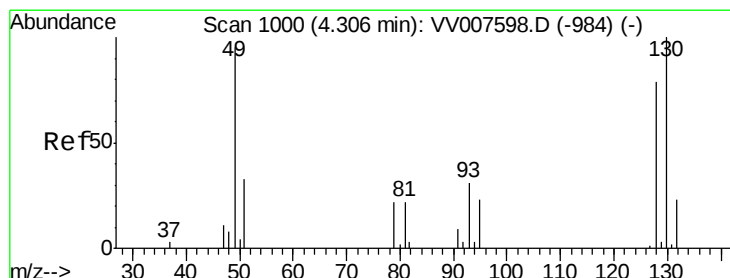
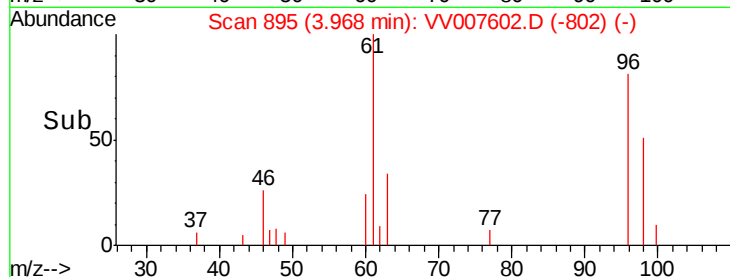
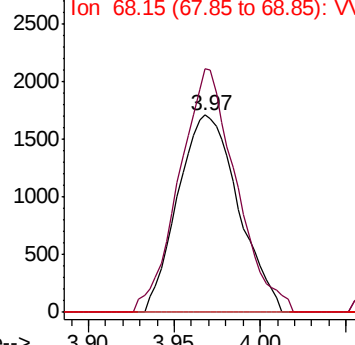
cis-1,2-Dichloroethene
 Concen: 0.641 ug/L
 RT: 3.97 min Scan# 895
 Delta R.T. -0.00 min
 Lab File: VV007602.D
 Acq: 18 Sep 2018 14:26

Instrument :
 MSVOA_V
 ClientSampled :
 VSTD0.566

Tgt Ion: 96 Resp: 4176
 Ion Ratio Lower Upper
 96 100
 61 123.6 78.4 145.6
 68 0.0 0.0 0.0



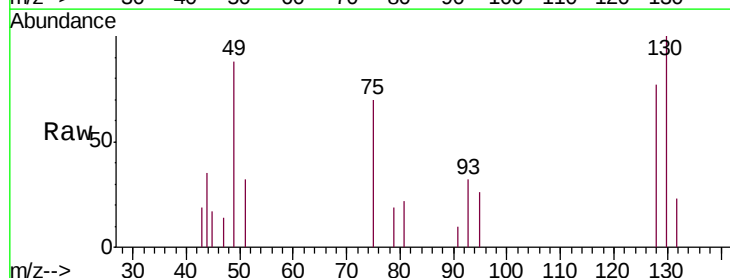
Abundance Ion 96.00 (95.70 to 96.70): VV0
 Ion 61.05 (60.75 to 61.75): VV0
 Ion 68.15 (67.85 to 68.85): VV0



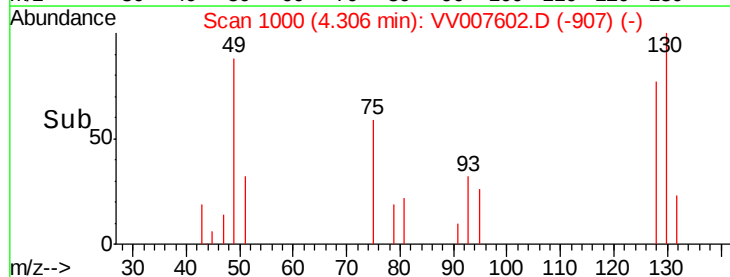
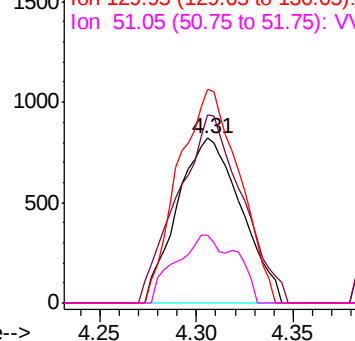
#23

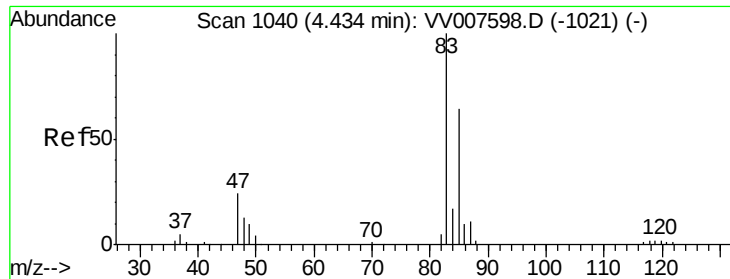
Bromochloromethane
 Concen: 0.660 ug/L
 RT: 4.31 min Scan# 1000
 Delta R.T. -0.00 min
 Lab File: VV007602.D
 Acq: 18 Sep 2018 14:26

Tgt Ion: 128 Resp: 1891
 Ion Ratio Lower Upper
 128 100
 49 114.1 84.1 156.3
 130 129.4 88.9 165.1
 51 41.4 33.6 50.4



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

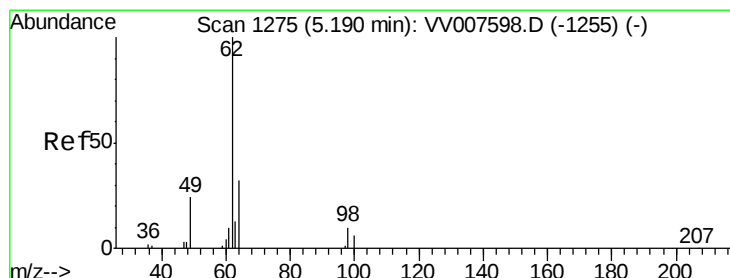
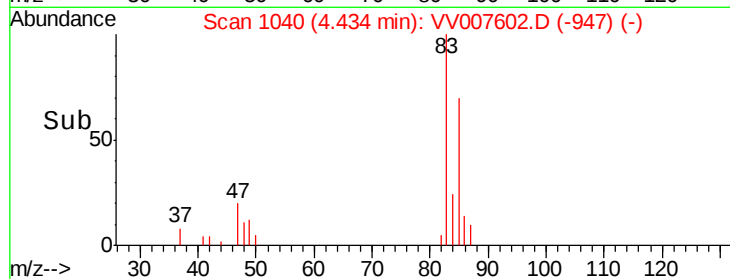
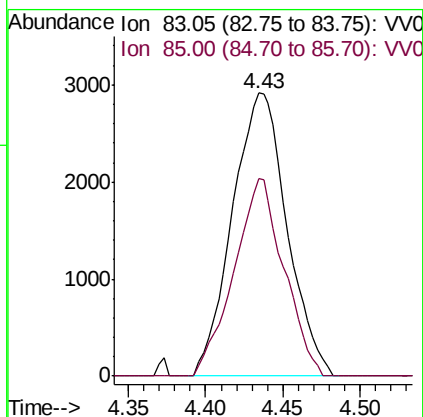
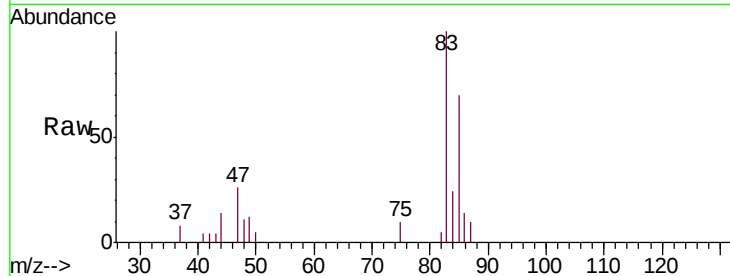




#25
Chloroform
Concen: 0.651 ug/L
RT: 4.43 min Scan# 1040
Delta R.T. -0.00 min
Lab File: VV007602.D
Acq: 18 Sep 2018 14:26

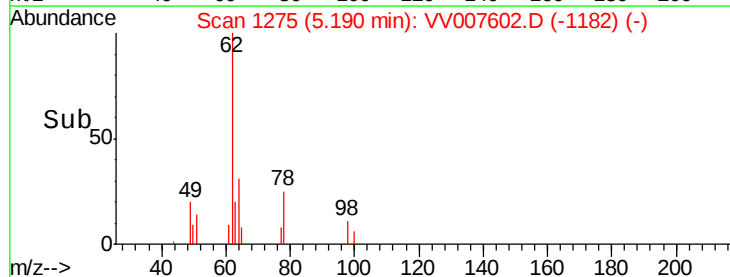
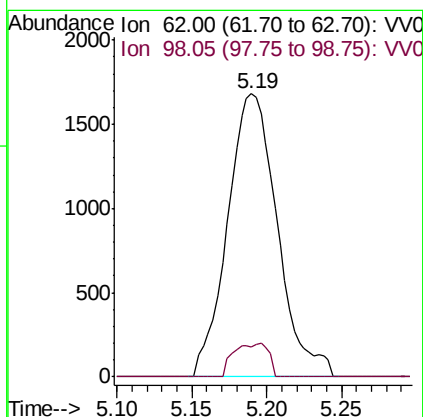
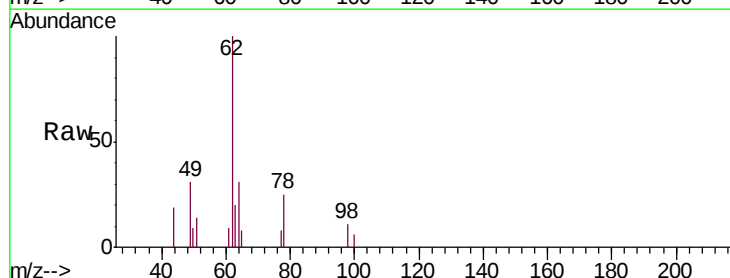
Instrument :
MSVOA_V
ClientSampleId :
VSTD0.566

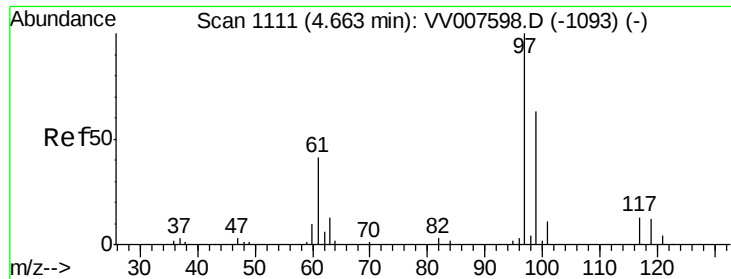
Tgt Ion: 83 Resp: 7160
Ion Ratio Lower Upper
83 100
85 69.8 44.5 82.7



#27
1,2-Dichloroethane
Concen: 0.621 ug/L
RT: 5.19 min Scan# 1275
Delta R.T. -0.00 min
Lab File: VV007602.D
Acq: 18 Sep 2018 14:26

Tgt Ion: 62 Resp: 3900
Ion Ratio Lower Upper
62 100
98 10.8 7.6 11.4

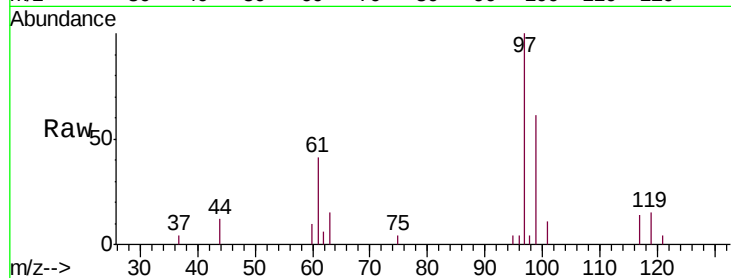




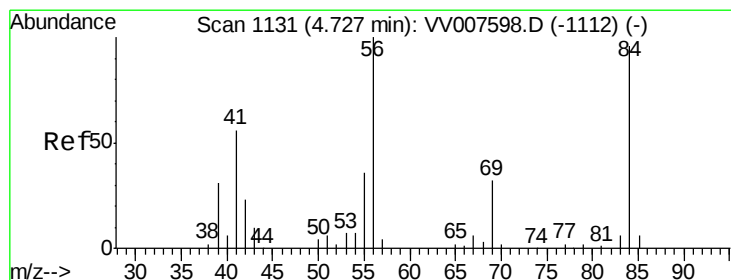
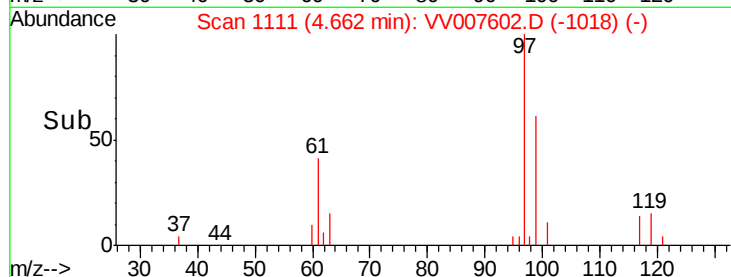
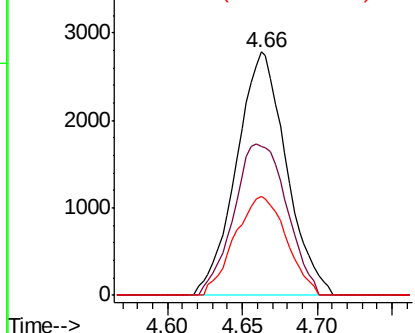
#29
1,1,1-Trichloroethane
Concen: 0.603 ug/L
RT: 4.66 min Scan# 1111
Delta R.T. -0.00 min
Lab File: VV007602.D
Acq: 18 Sep 2018 14:26

Instrument :
MSVOA_V
ClientSampleId :
VSTD0.566

Tgt Ion: 97 Resp: 6470
Ion Ratio Lower Upper
97 100
99 66.1 51.4 77.0
61 42.0 32.9 49.3

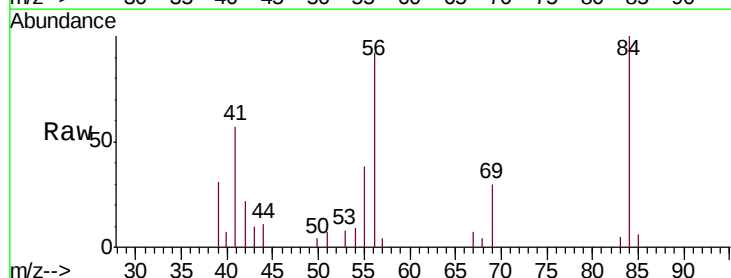


Abundance Ion 96.95 (96.65 to 97.65): VV0
Ion 99.05 (98.75 to 99.75): VV0
Ion 61.05 (60.75 to 61.75): VV0

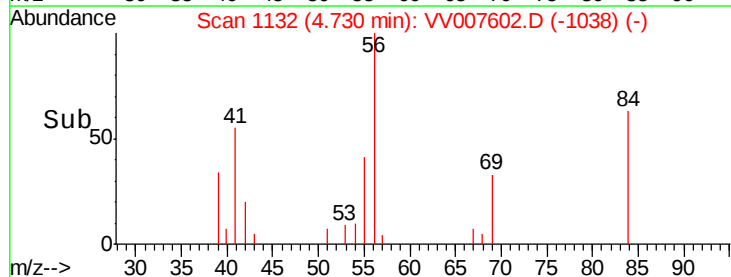
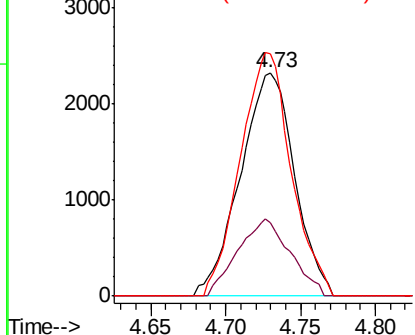


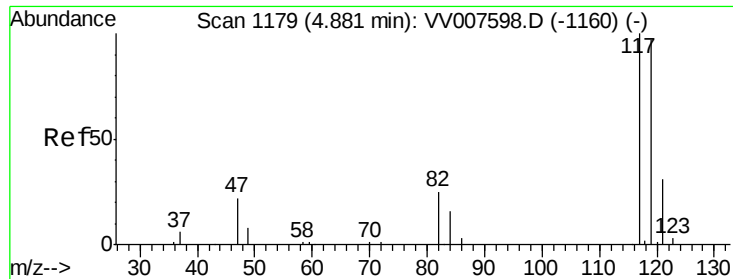
#30
Cyclohexane
Concen: 0.628 ug/L
RT: 4.73 min Scan# 1132
Delta R.T. 0.00 min
Lab File: VV007602.D
Acq: 18 Sep 2018 14:26

Tgt Ion: 56 Resp: 5851
Ion Ratio Lower Upper
56 100
69 33.4 26.1 39.1
84 102.8 79.1 118.7



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: 0.607 ug/L

RT: 4.88 min Scan# 1178

Delta R.T. -0.00 min

Lab File: VV007602.D

Acq: 18 Sep 2018 14:26

Instrument :

MSVOA_V

ClientSampleId :

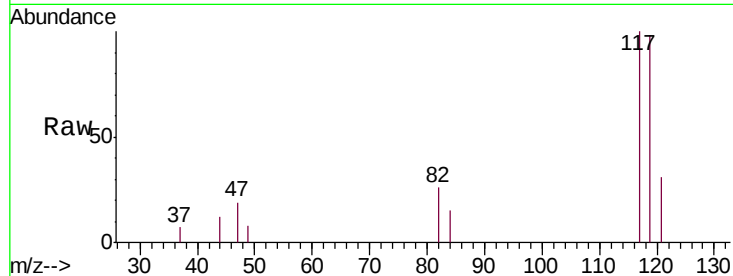
VSTD0.566

Tgt Ion:117 Resp: 6116

Ion Ratio Lower Upper

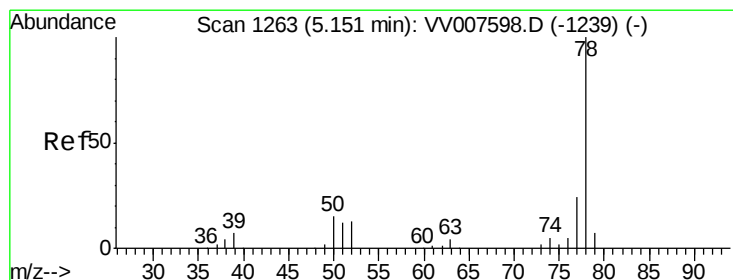
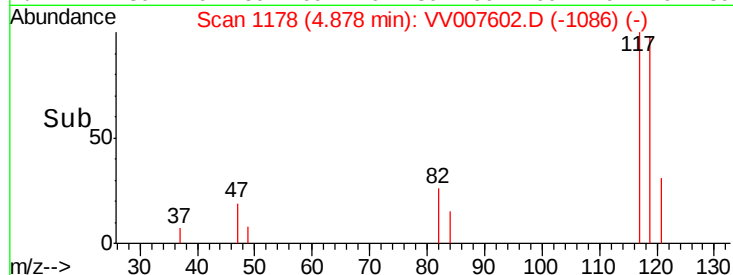
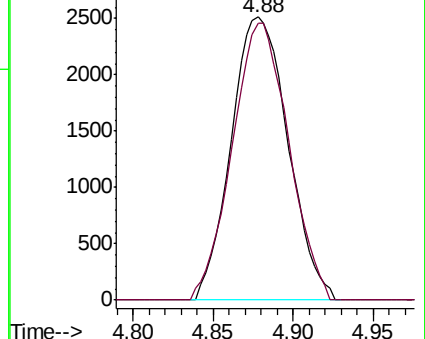
117 100

119 97.2 77.2 115.8



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V



#33

Benzene

Concen: 0.644 ug/L

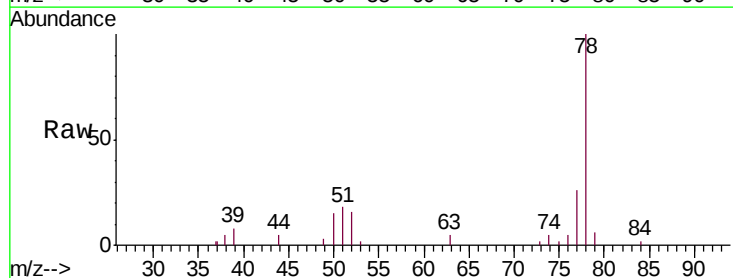
RT: 5.15 min Scan# 1263

Delta R.T. -0.00 min

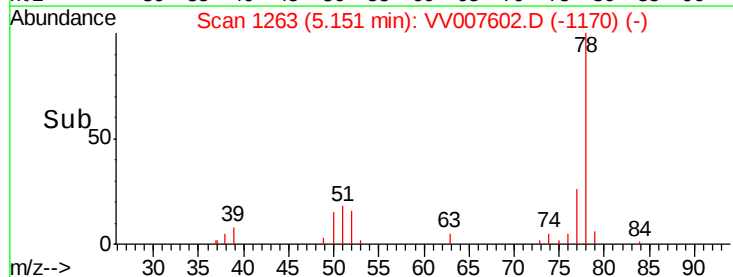
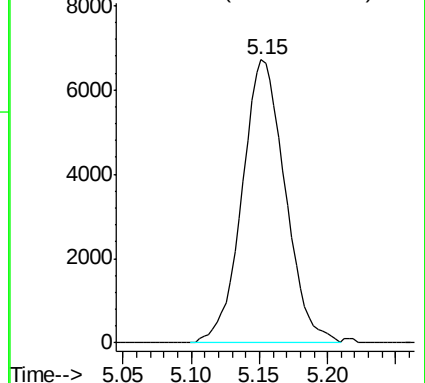
Lab File: VV007602.D

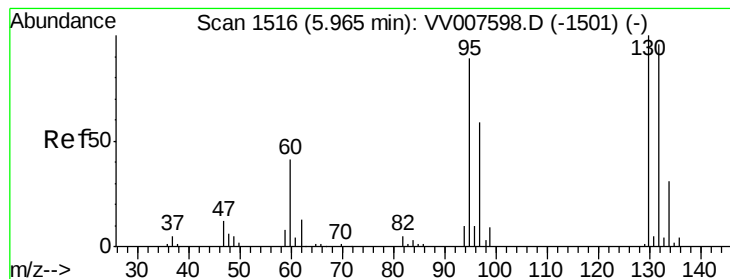
Acq: 18 Sep 2018 14:26

Tgt Ion: 78 Resp: 14715



Abundance Ion 78.10 (77.80 to 78.80): VV0





#34

Trichloroethene

Concen: 0.766 ug/L

RT: 5.96 min Scan# 1516

Delta R.T. -0.00 min

Lab File: VV007602.D

Acq: 18 Sep 2018 14:26

Instrument :

MSVOA_V

ClientSampleId :

VSTD0.566

Tgt Ion: 95 Resp: 5418

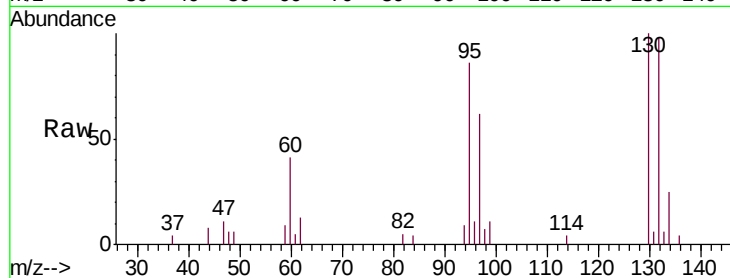
Ion Ratio Lower Upper

95 100

97 72.6 46.5 86.5

132 114.8 75.5 140.3

130 116.7 78.8 146.4

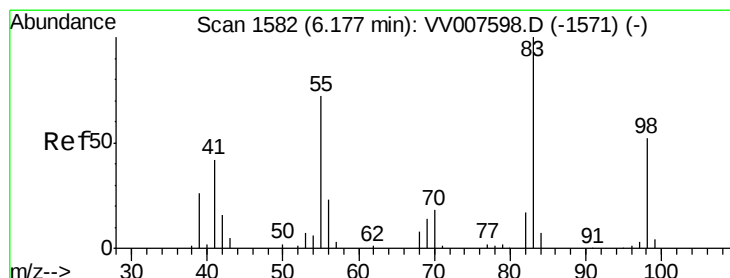
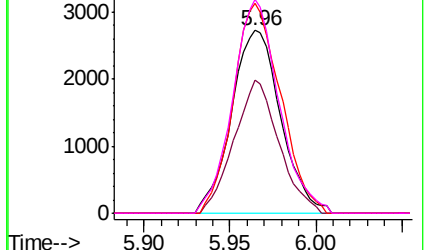
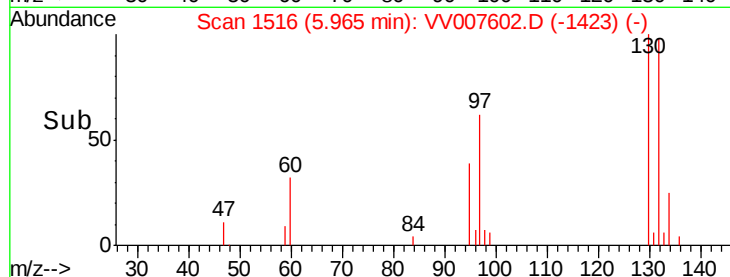


Abundance Ion 95.00 (94.70 to 95.70): VV0

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: 0.648 ug/L

RT: 6.18 min Scan# 1582

Delta R.T. -0.00 min

Lab File: VV007602.D

Acq: 18 Sep 2018 14:26

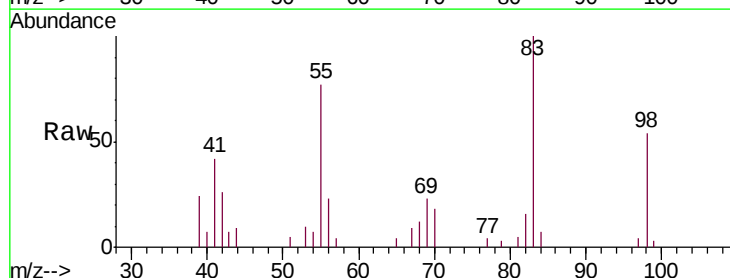
Tgt Ion: 83 Resp: 7025

Ion Ratio Lower Upper

83 100

55 74.1 54.6 82.0

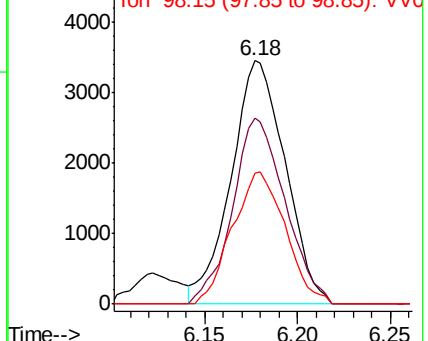
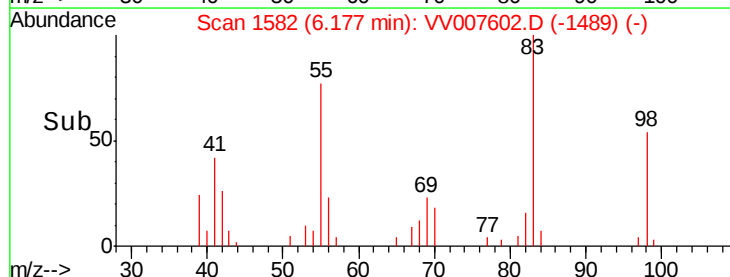
98 53.1 39.8 59.6

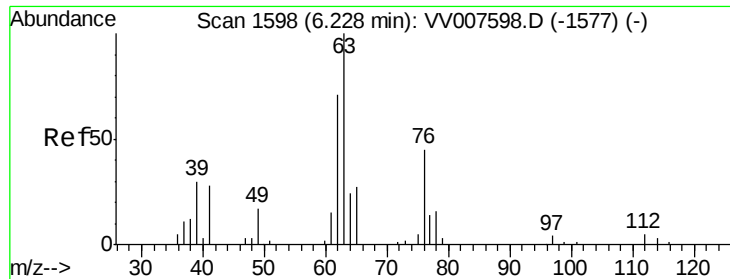


Abundance Ion 83.15 (82.85 to 83.85): VV0

Ion 55.10 (54.80 to 55.80): VV0

Ion 98.15 (97.85 to 98.85): VV0

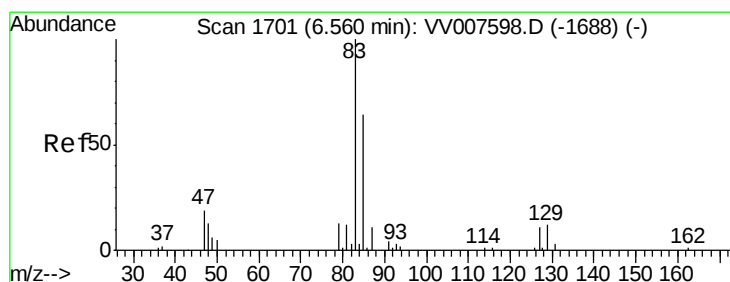
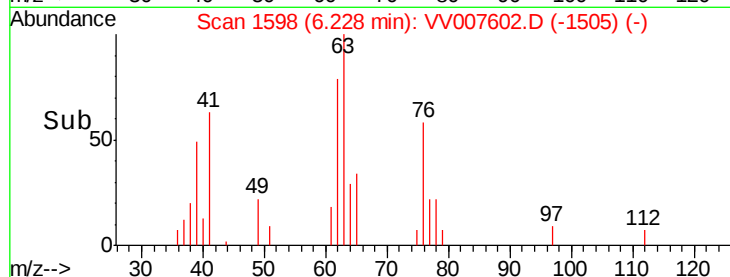
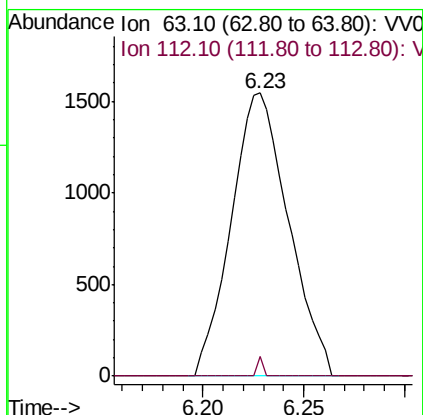
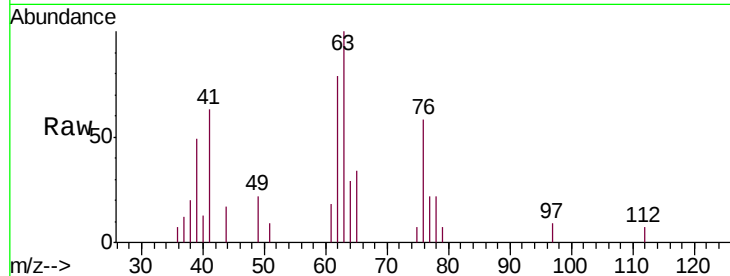




#37
 1,2-Dichloropropane
 Concen: 0.549 ug/L
 RT: 6.23 min Scan# 1598
 Delta R.T. -0.00 min
 Lab File: VV007602.D
 Acq: 18 Sep 2018 14:26

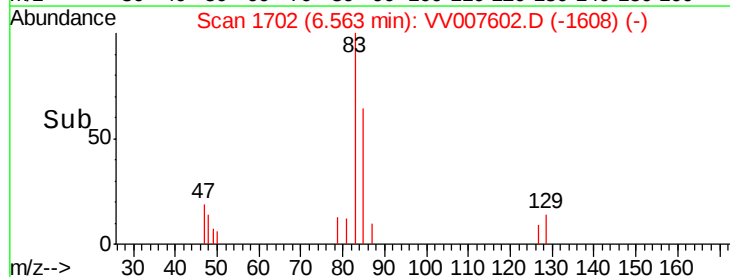
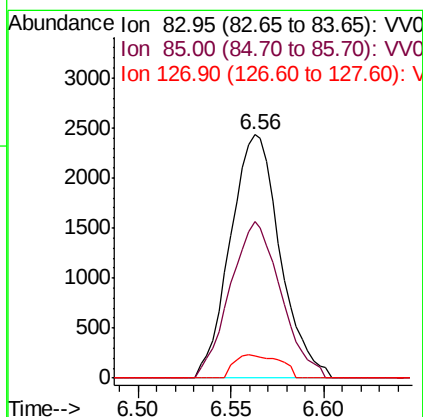
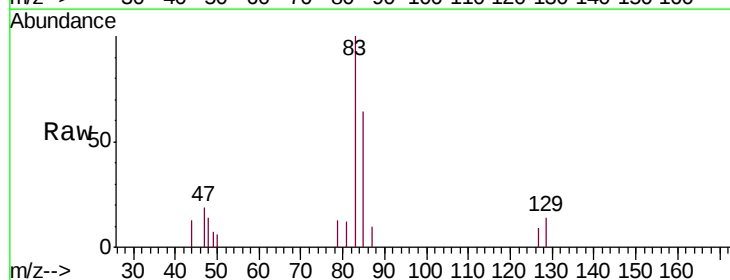
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD0.566

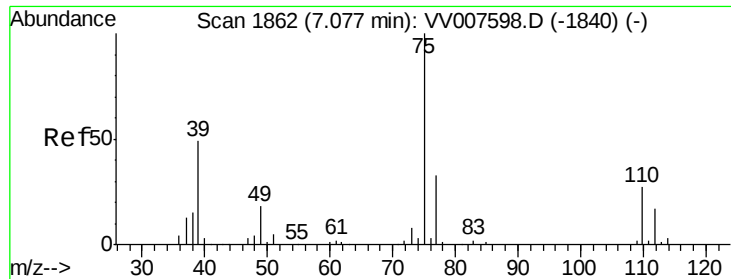
Tgt Ion: 63 Resp: 3062
 Ion Ratio Lower Upper
 63 100
 112 0.7 3.8 5.6#



#38
 Bromodichloromethane
 Concen: 0.564 ug/L
 RT: 6.56 min Scan# 1702
 Delta R.T. 0.00 min
 Lab File: VV007602.D
 Acq: 18 Sep 2018 14:26

Tgt Ion: 83 Resp: 4528
 Ion Ratio Lower Upper
 83 100
 85 64.4 44.7 83.1
 127 9.2 8.6 12.8

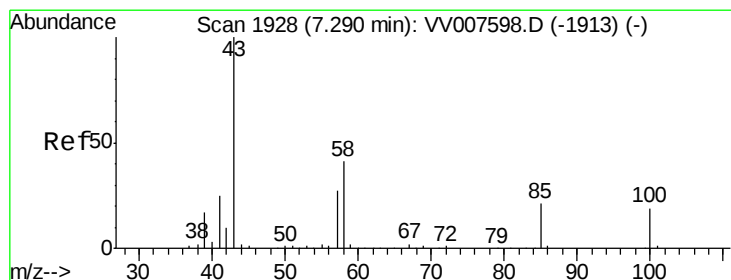
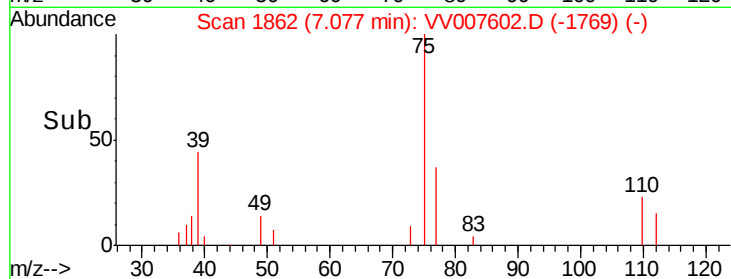
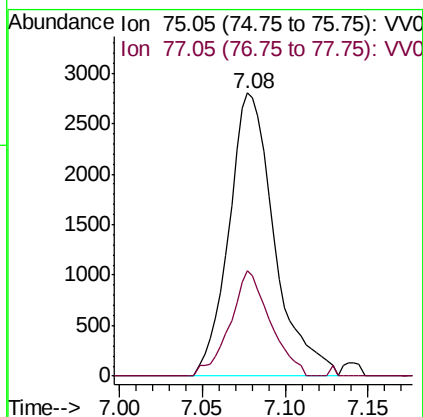
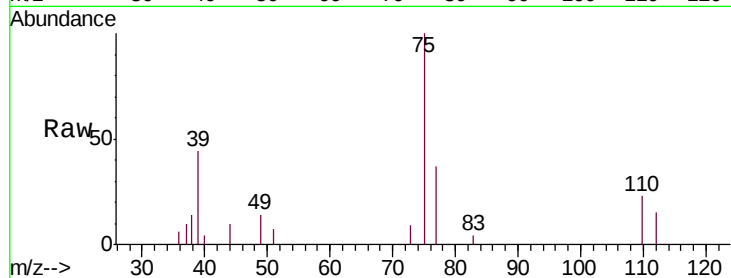




#39
 cis-1,3-Dichloropropene
 Concen: 0.605 ug/L
 RT: 7.08 min Scan# 1862
 Delta R.T. -0.00 min
 Lab File: VV007602.D
 Acq: 18 Sep 2018 14:26

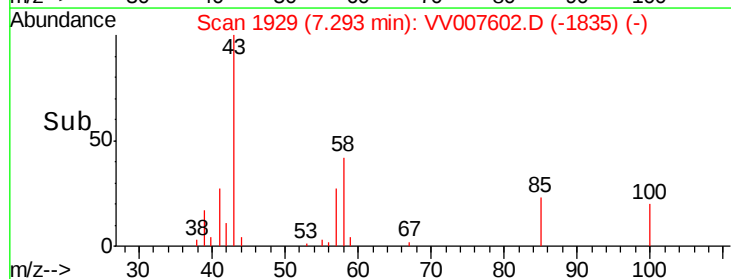
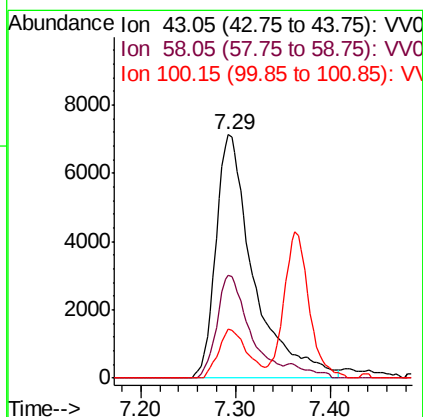
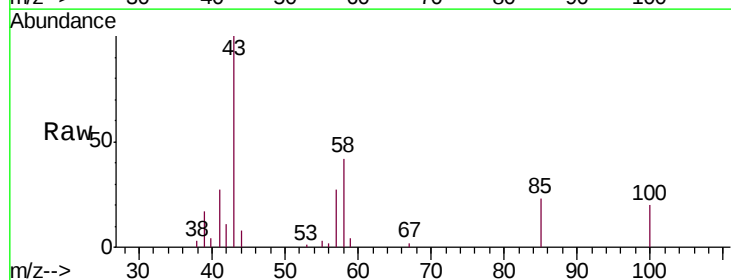
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD0.566

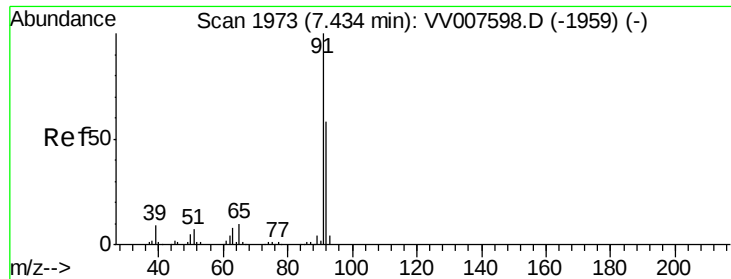
Tgt Ion: 75 Resp: 5350
 Ion Ratio Lower Upper
 75 100
 77 37.2 23.0 42.8



#40
 4-Methyl-2-pentanone
 Concen: 6.472 ug/L
 RT: 7.29 min Scan# 1929
 Delta R.T. 0.00 min
 Lab File: VV007602.D
 Acq: 18 Sep 2018 14:26

Tgt Ion: 43 Resp: 19758
 Ion Ratio Lower Upper
 43 100
 58 36.3 32.6 49.0
 100 15.5 13.1 19.7





#42

Toluene

Concen: 0.652 ug/L

RT: 7.44 min Scan# 1974

Delta R.T. 0.00 min

Lab File: VV007602.D

Acq: 18 Sep 2018 14:26

Instrument :

MSVOA_V

ClientSampleId :

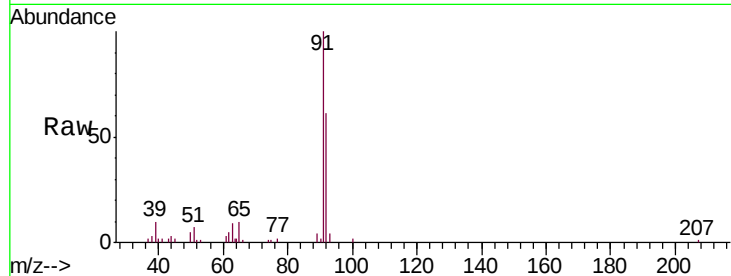
VSTD0.566

Tgt Ion: 91 Resp: 17176

Ion Ratio Lower Upper

91 100

92 61.1 40.3 74.9



Abundance Ion 91.15 (90.85 to 91.85): VV007598.D (-1959) (-)

Ion 92.15 (91.85 to 92.85): VV007602.D (-1963) (-)

7.44

10000

8000

6000

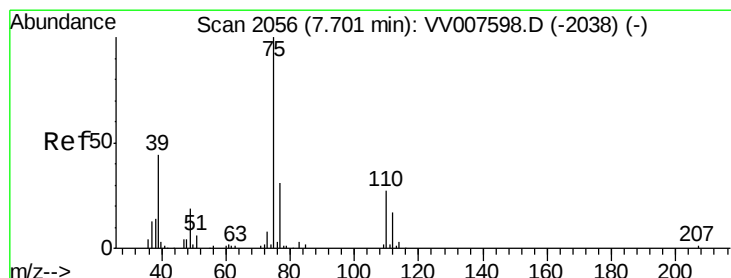
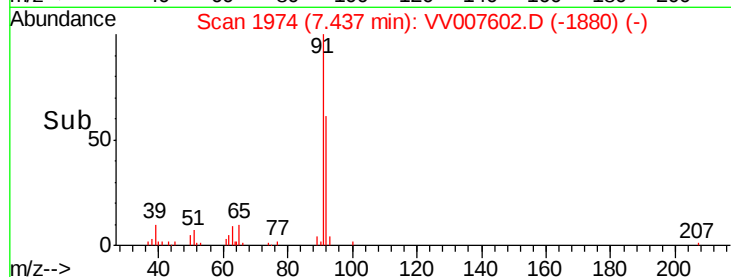
4000

2000

0

7.40 7.50

Time-->



#44

trans-1,3-Dichloropropene

Concen: 0.541 ug/L

RT: 7.70 min Scan# 2056

Delta R.T. -0.00 min

Lab File: VV007602.D

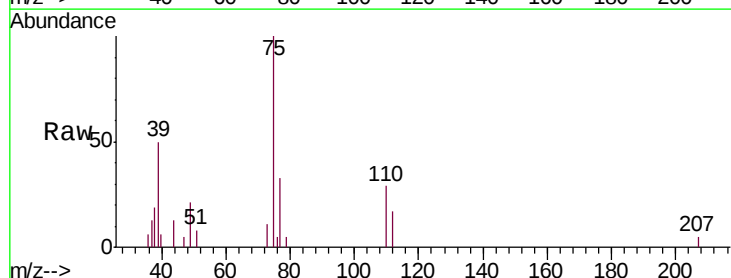
Acq: 18 Sep 2018 14:26

Tgt Ion: 75 Resp: 3927

Ion Ratio Lower Upper

75 100

77 33.2 21.3 39.6



Abundance Ion 75.05 (74.75 to 75.75): VV007598.D (-2038) (-)

Ion 77.05 (76.75 to 77.75): VV007602.D (-1963) (-)

7.70

2500

2000

1500

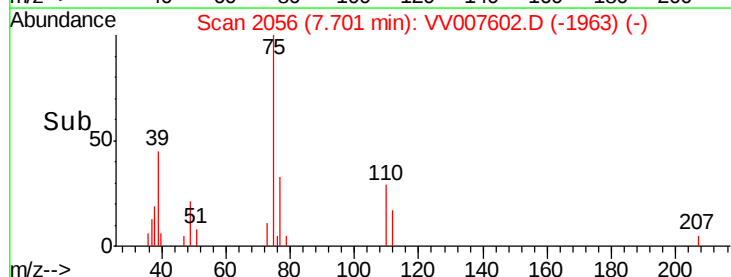
1000

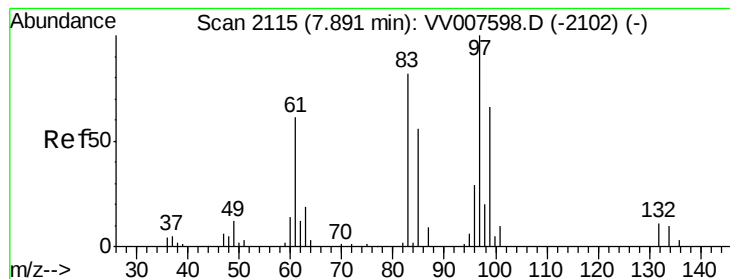
500

0

7.65 7.70 7.75

Time-->





#45

1,1,2-Trichloroethane

Concen: 0.640 ug/L

RT: 7.89 min Scan# 2115

Delta R.T. -0.00 min

Lab File: VV007602.D

Acq: 18 Sep 2018 14:26

Instrument :

MSVOA_V

ClientSampleId :

VSTD0.566

Tgt Ion: 97 Resp: 2680

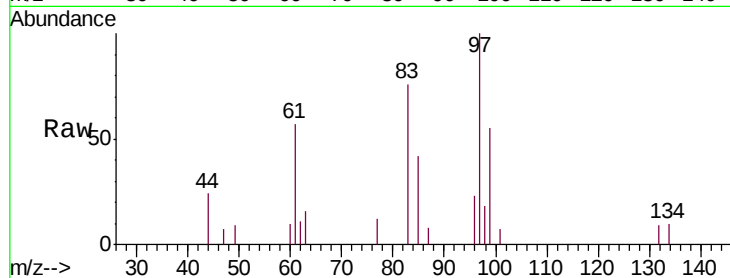
Ion Ratio Lower Upper

97 100

99 54.8 45.9 85.3

83 75.8 57.2 106.2

85 42.1 38.9 72.3

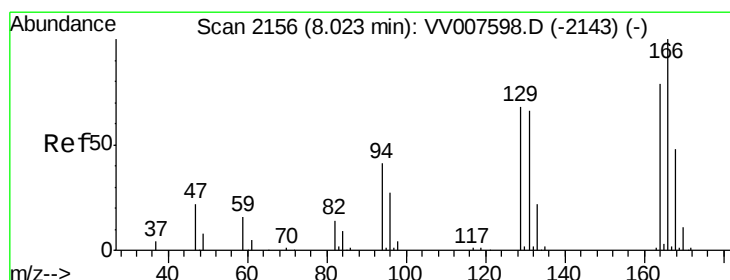
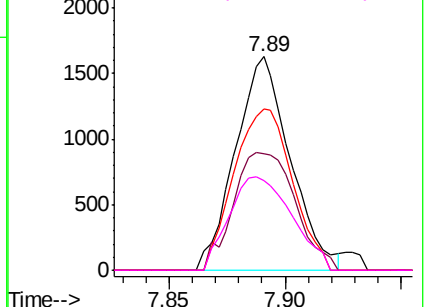
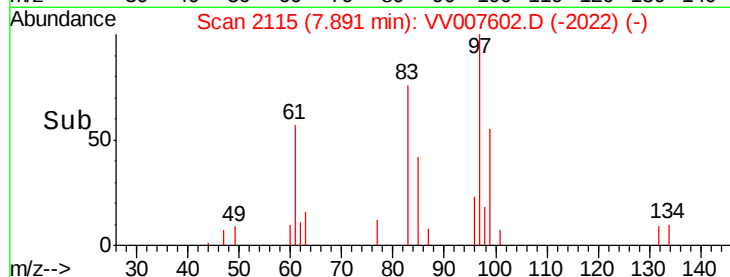


Abundance Ion 96.95 (96.65 to 97.65): VV0

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: 0.736 ug/L

RT: 8.02 min Scan# 2156

Delta R.T. -0.00 min

Lab File: VV007602.D

Acq: 18 Sep 2018 14:26

Tgt Ion: 164 Resp: 4682

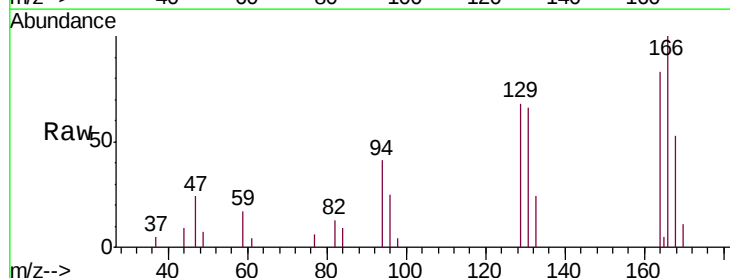
Ion Ratio Lower Upper

164 100

129 82.1 60.0 111.4

131 80.0 58.8 109.2

166 120.6 88.5 164.4

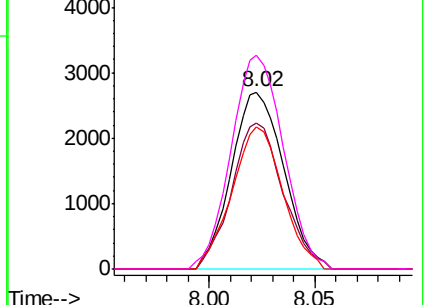
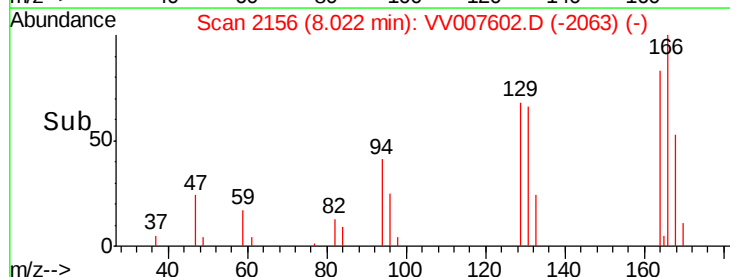


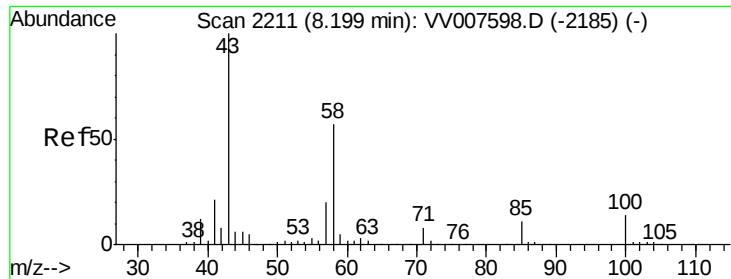
Abundance Ion 163.90 (163.60 to 164.60): V

Ion 128.95 (128.65 to 129.65): V

Ion 130.95 (130.65 to 131.65): V

Ion 165.90 (165.60 to 166.60): V

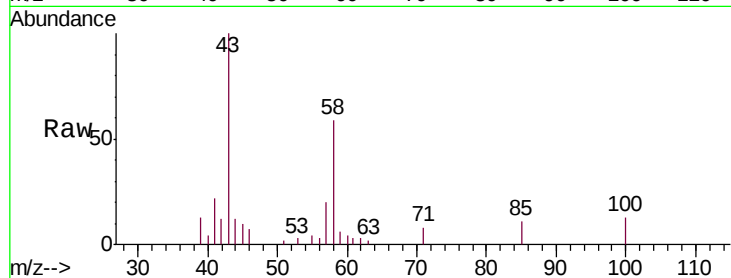




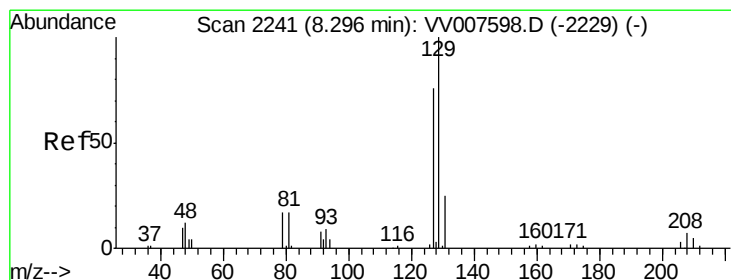
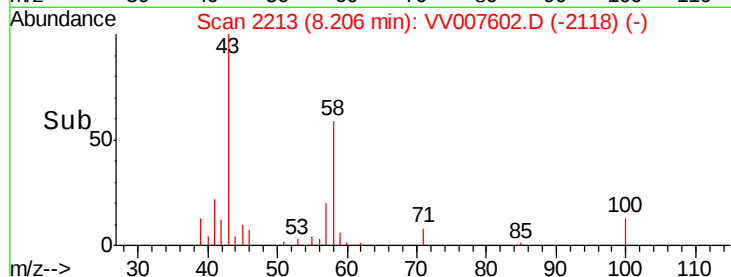
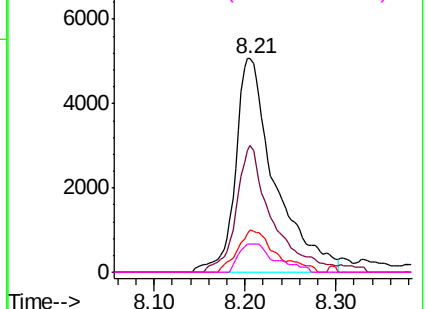
#48
2-Hexanone
Concen: 6.458 ug/L
RT: 8.21 min Scan# 2213
Delta R.T. 0.01 min
Lab File: VV007602.D
Acq: 18 Sep 2018 14:26

Instrument :
MSVOA_V
ClientSampleId :
VSTD0.566

Tgt Ion: 43 Resp: 15240
Ion Ratio Lower Upper
43 100
58 53.9 45.5 68.3
57 19.1 16.3 24.5
100 12.2 10.7 16.1

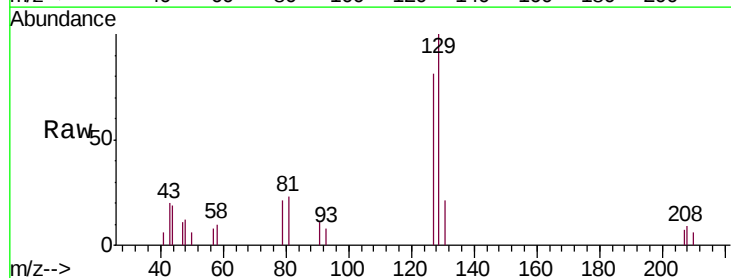


Abundance Ion 43.05 (42.75 to 43.75): VV0
Ion 58.05 (57.75 to 58.75): VV0
Ion 57.20 (56.90 to 57.90): VV0
Ion 100.15 (99.85 to 100.85): VV0

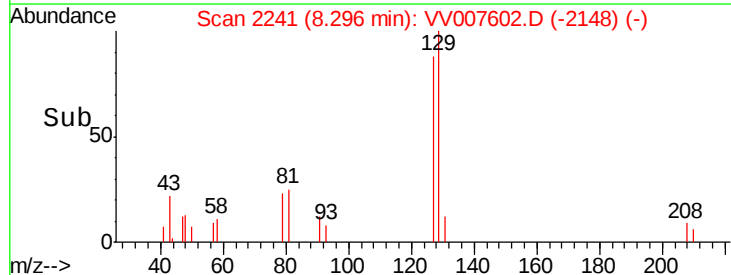
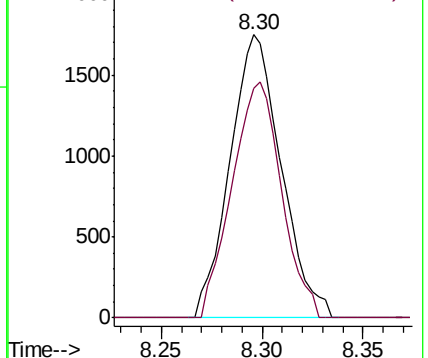


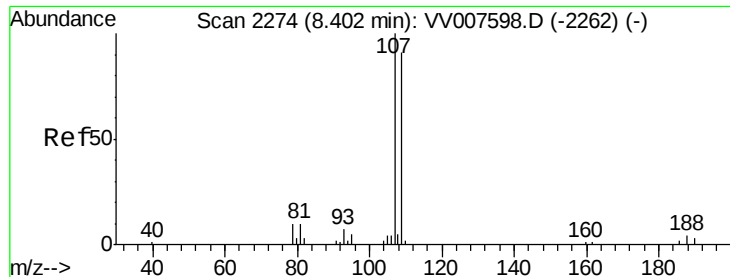
#49
Dibromochloromethane
Concen: 0.527 ug/L
RT: 8.30 min Scan# 2241
Delta R.T. -0.00 min
Lab File: VV007602.D
Acq: 18 Sep 2018 14:26

Tgt Ion: 129 Resp: 3106
Ion Ratio Lower Upper
129 100
127 81.3 53.3 98.9



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

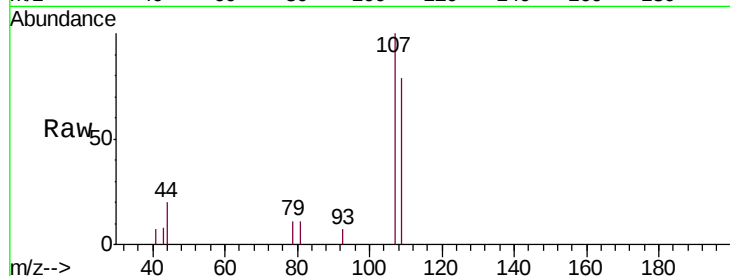




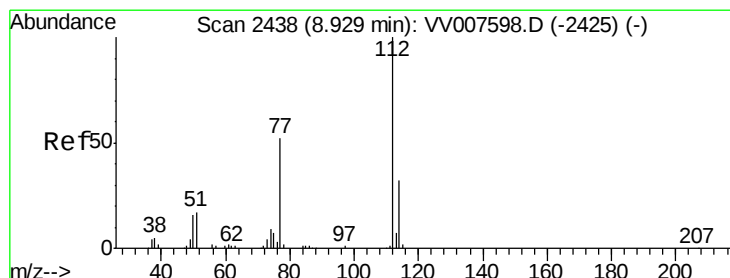
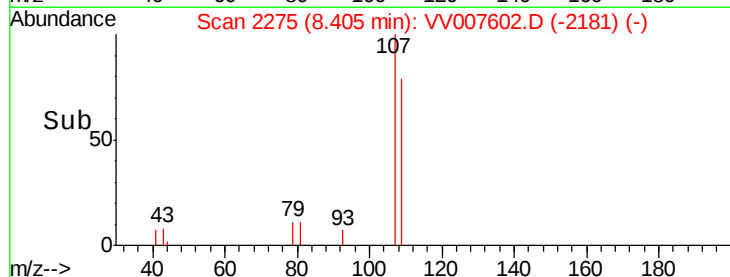
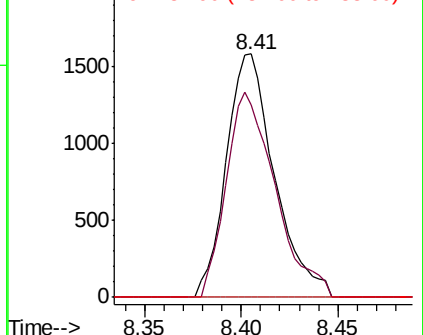
#50
 1,2-Dibromoethane
 Concen: 0.674 ug/L
 RT: 8.41 min Scan# 2275
 Delta R.T. 0.00 min
 Lab File: VV007602.D
 Acq: 18 Sep 2018 14:26

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD0.566

Tgt Ion:107 Resp: 2740
 Ion Ratio Lower Upper
 107 100
 109 79.2 63.8 118.6
 188 0.0 3.6 5.4#

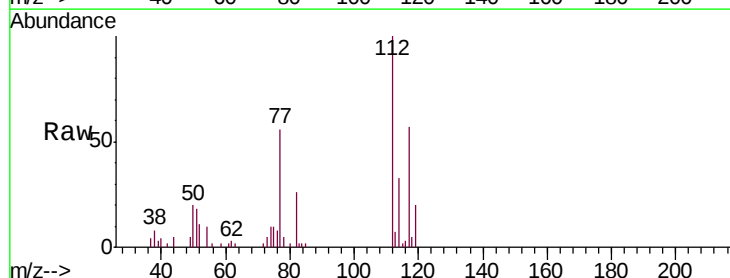


Abundance Ion 106.95 (106.65 to 107.65): V
 Ion 109.00 (108.70 to 109.70): V
 Ion 187.90 (187.60 to 188.60): V

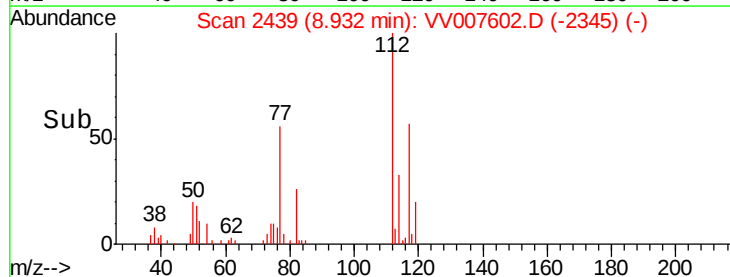
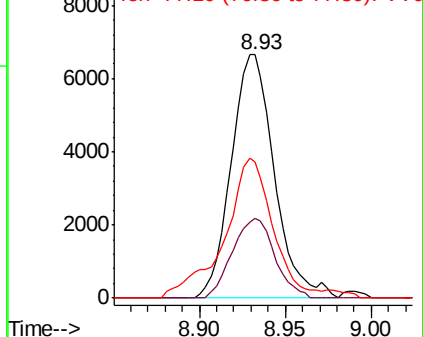


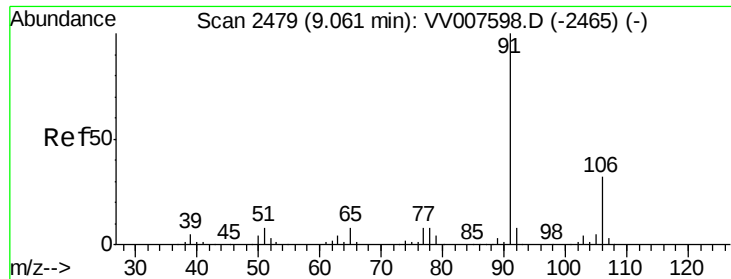
#51
 Chlorobenzene
 Concen: 0.653 ug/L
 RT: 8.93 min Scan# 2439
 Delta R.T. 0.00 min
 Lab File: VV007602.D
 Acq: 18 Sep 2018 14:26

Tgt Ion:112 Resp: 11610
 Ion Ratio Lower Upper
 112 100
 114 32.7 22.3 41.5
 77 55.7 42.0 63.0



Abundance Ion 112.10 (111.80 to 112.80): V
 Ion 114.05 (113.75 to 114.75): V
 Ion 77.10 (76.80 to 77.80): VV0





#52

Ethylbenzene

Concen: 0.647 ug/L

RT: 9.06 min Scan# 2478

Delta R.T. -0.00 min

Lab File: VV007602.D

Acq: 18 Sep 2018 14:26

Instrument :

MSVOA_V

ClientSampleId :

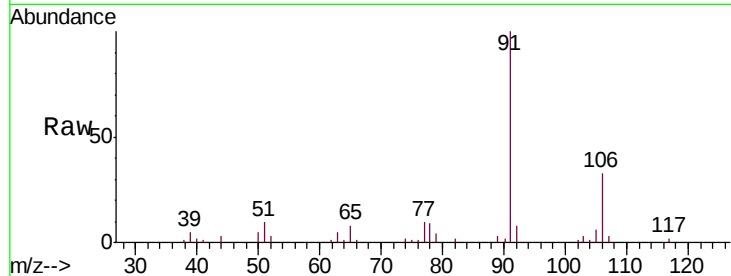
VSTD0.566

Tgt Ion: 91 Resp: 19122

Ion Ratio Lower Upper

91 100

106 32.7 22.5 41.9



Abundance Ion 91.15 (90.85 to 91.85): VV007598.D (-2465) (-)

Ion 106.15 (105.85 to 106.85): VV007598.D (-2465) (-)

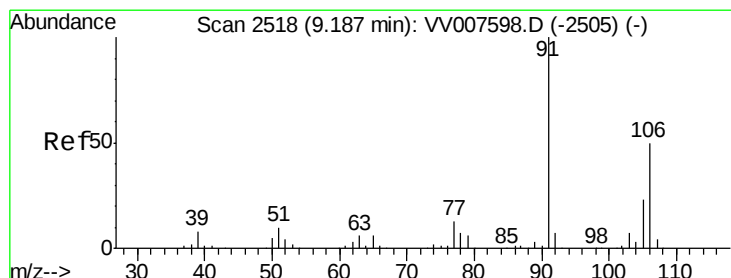
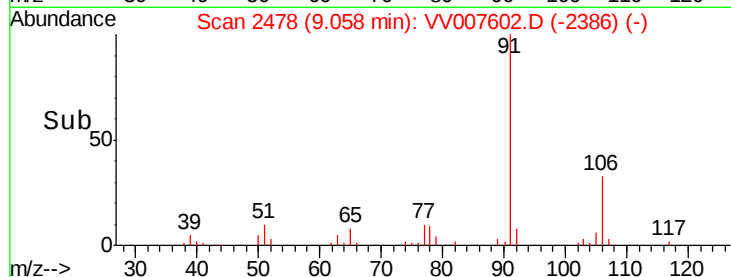
9.06

10000

5000

0

Time-->



#53

m,p-xylene

Concen: 0.704 ug/L

RT: 9.19 min Scan# 2518

Delta R.T. -0.00 min

Lab File: VV007602.D

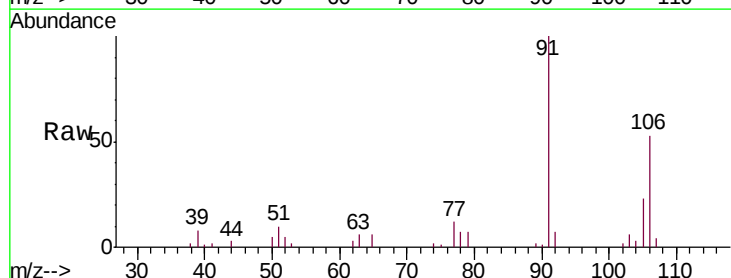
Acq: 18 Sep 2018 14:26

Tgt Ion: 106 Resp: 8076

Ion Ratio Lower Upper

106 100

91 187.5 139.4 258.8



Abundance Ion 106.15 (105.85 to 106.85): VV007598.D (-2505) (-)

Ion 91.15 (90.85 to 91.85): VV007598.D (-2505) (-)

9.19

10000

8000

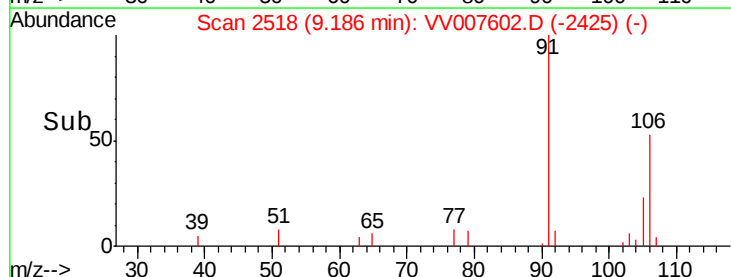
6000

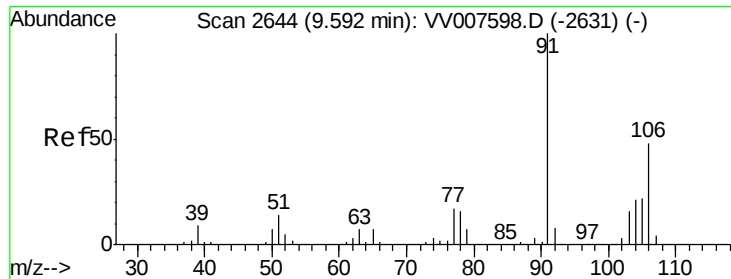
4000

2000

0

Time-->

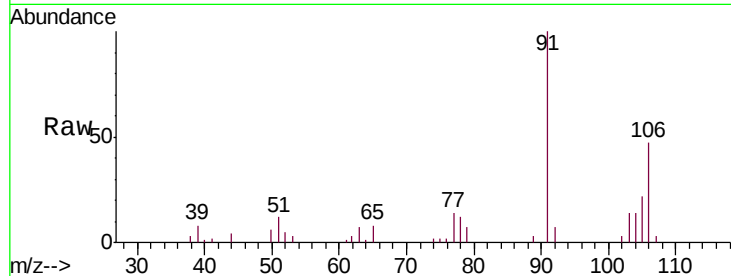




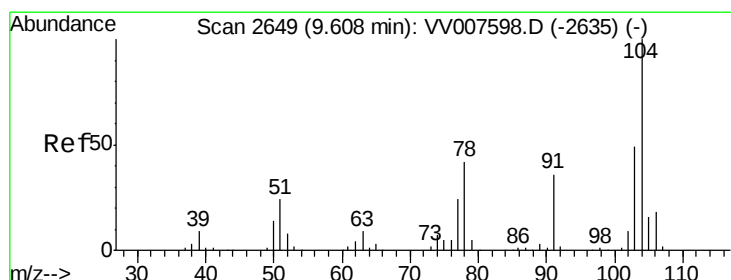
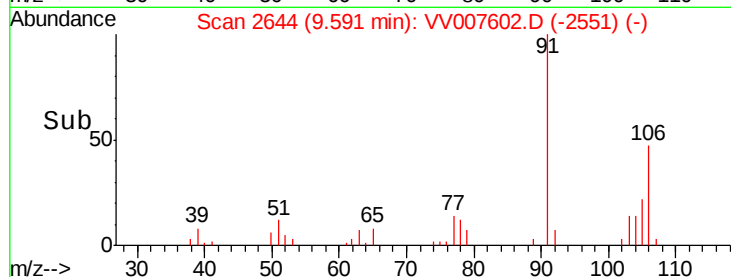
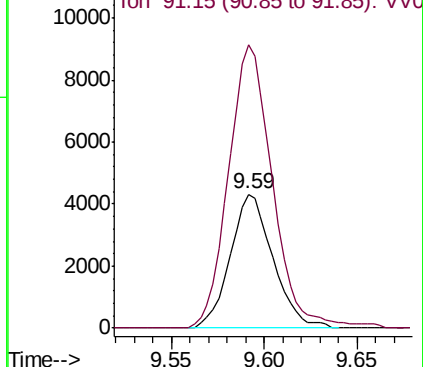
#54
o-xylene
Concen: 0.615 ug/L
RT: 9.59 min Scan# 2644
Delta R.T. -0.00 min
Lab File: VV007602.D
Acq: 18 Sep 2018 14:26

Instrument :
MSVOA_V
ClientSampleId :
VSTD0.566

Tgt Ion:106 Resp: 6886
Ion Ratio Lower Upper
106 100
91 211.1 145.9 271.1

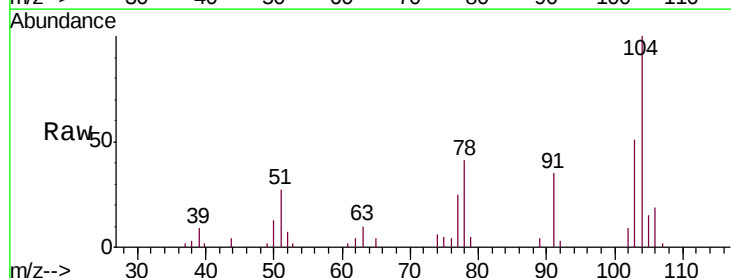


Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VV0

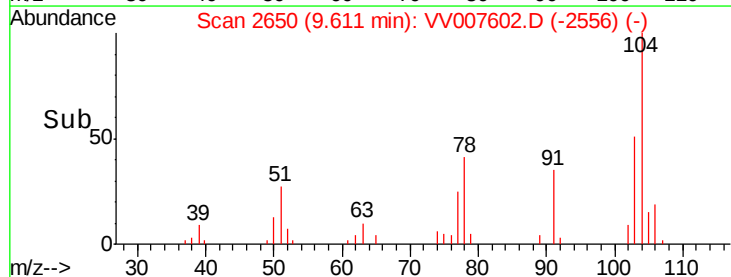
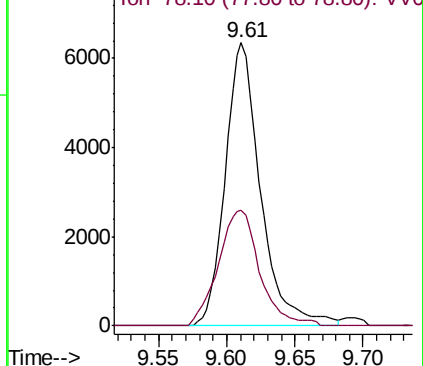


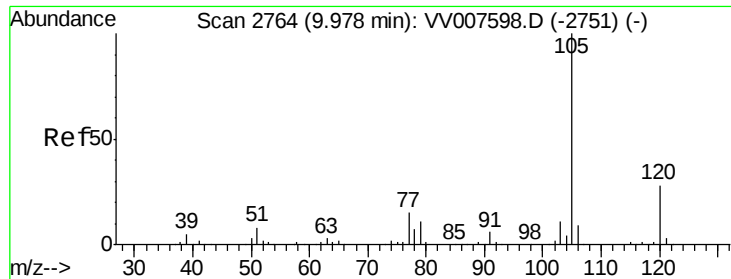
#55
Styrene
Concen: 0.625 ug/L
RT: 9.61 min Scan# 2650
Delta R.T. 0.00 min
Lab File: VV007602.D
Acq: 18 Sep 2018 14:26

Tgt Ion:104 Resp: 11445
Ion Ratio Lower Upper
104 100
78 41.0 29.7 55.1



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

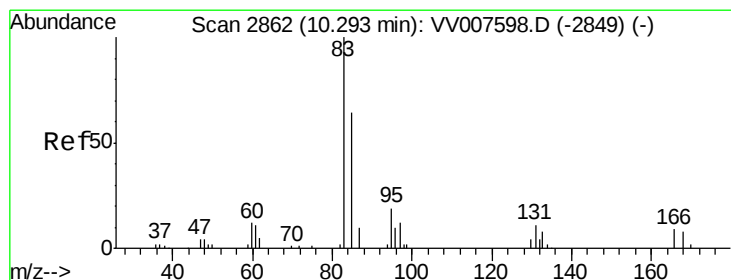
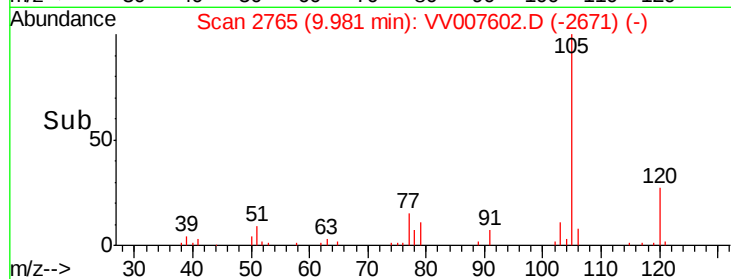
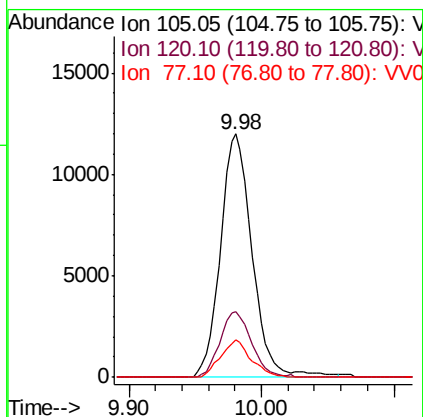
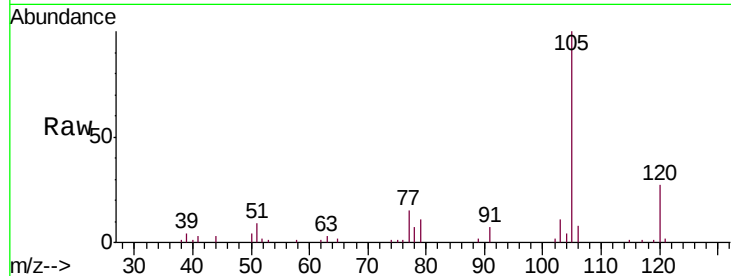




#56
Isopropylbenzene
Concen: 0.650 ug/L
RT: 9.98 min Scan# 2765
Delta R.T. 0.00 min
Lab File: VV007602.D
Acq: 18 Sep 2018 14:26

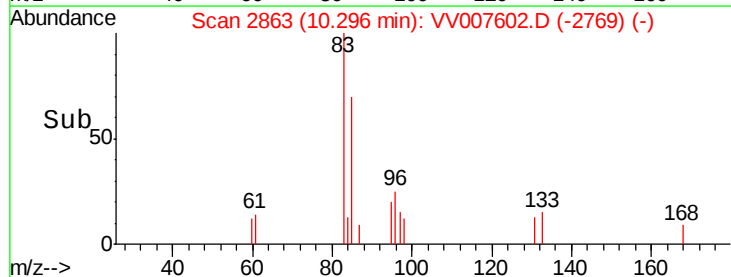
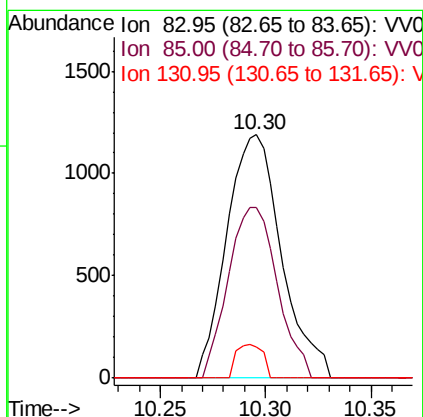
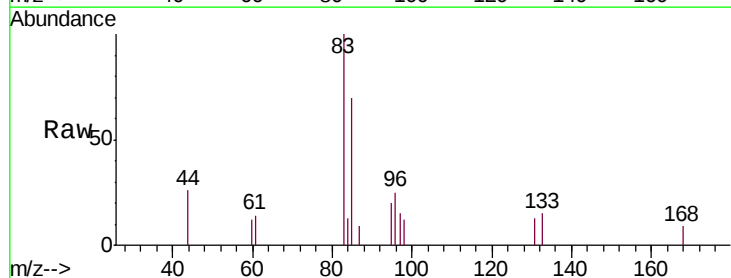
Instrument :
MSVOA_V
ClientSampleId :
VSTD0.566

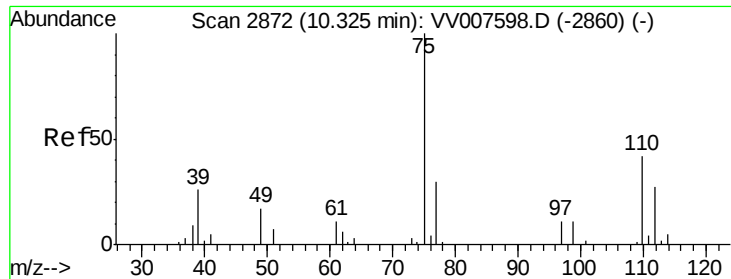
Tgt Ion: 105 Resp: 19876
Ion Ratio Lower Upper
105 100
120 27.0 22.1 33.1
77 14.7 12.0 18.0



#58
1,1,2,2-Tetrachloroethane
Concen: 0.531 ug/L
RT: 10.30 min Scan# 2863
Delta R.T. 0.00 min
Lab File: VV007602.D
Acq: 18 Sep 2018 14:26

Tgt Ion: 83 Resp: 2140
Ion Ratio Lower Upper
83 100
85 70.2 44.9 83.5
131 12.9 9.0 13.6

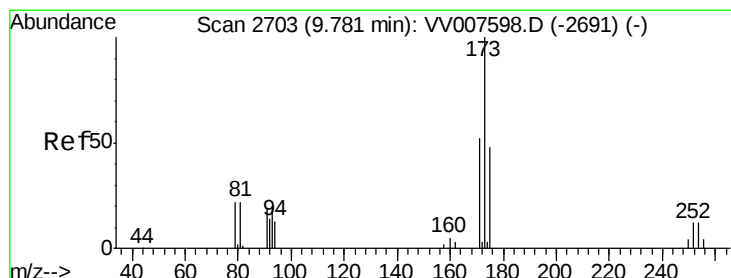
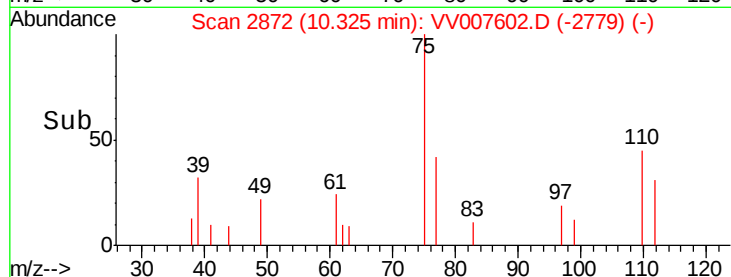
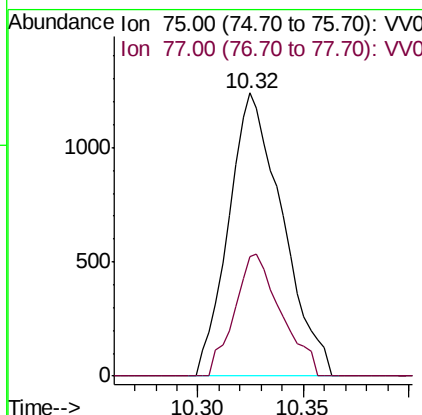
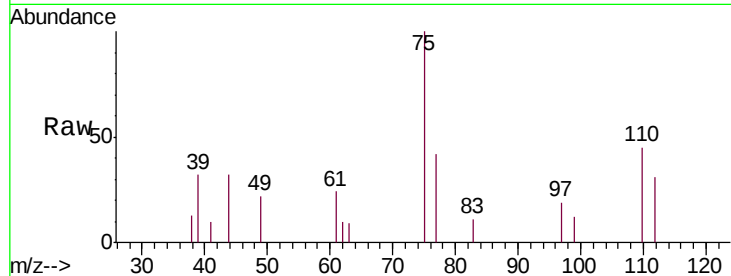




#59
 1,2,3-Trichloropropane
 Concen: 0.642 ug/L
 RT: 10.32 min Scan# 2872
 Delta R.T. -0.00 min
 Lab File: VV007602.D
 Acq: 18 Sep 2018 14:26

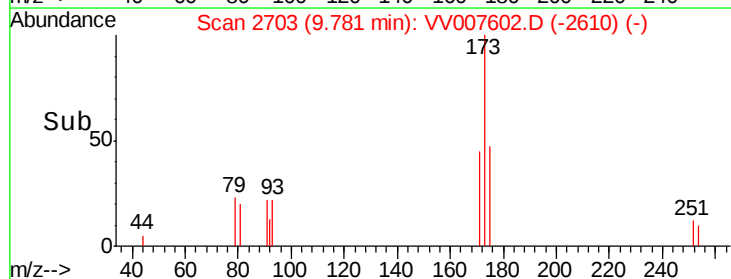
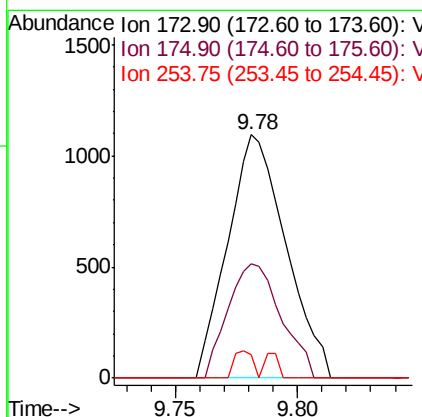
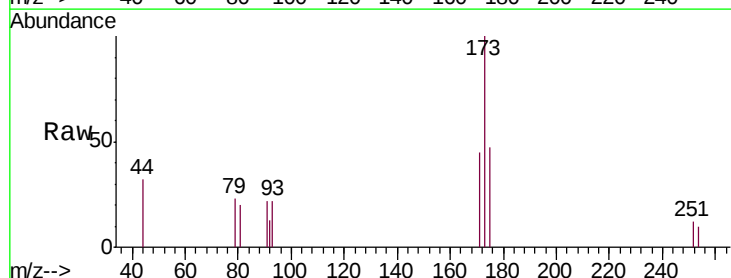
Instrument :
 MSVOA_V
 ClientSampleID :
 VSTD0.566

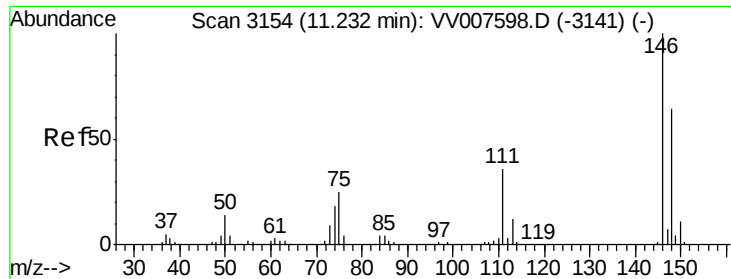
Tgt Ion: 75 Resp: 2191
 Ion Ratio Lower Upper
 75 100
 77 37.3 25.0 37.4



#61
 Bromoform
 Concen: 0.530 ug/L
 RT: 9.78 min Scan# 2703
 Delta R.T. -0.00 min
 Lab File: VV007602.D
 Acq: 18 Sep 2018 14:26

Tgt Ion: 173 Resp: 1807
 Ion Ratio Lower Upper
 173 100
 175 43.1 38.2 57.4
 254 3.7 8.9 13.3#

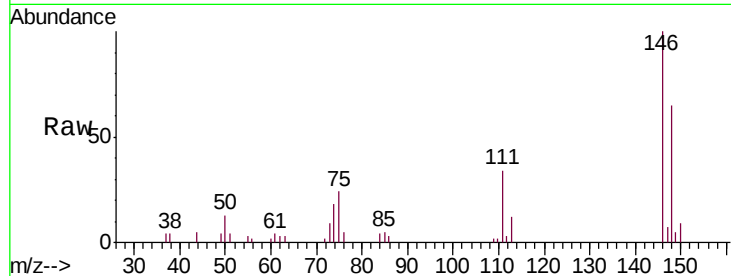




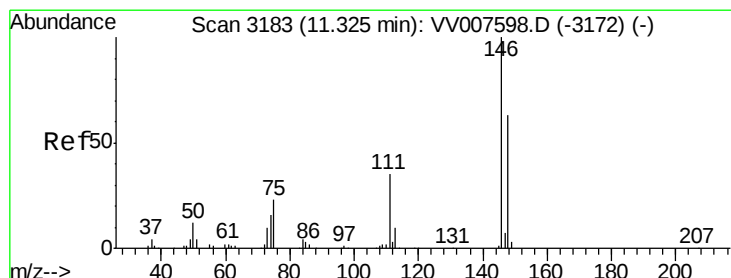
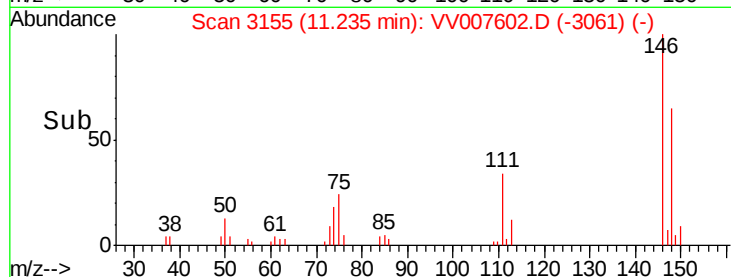
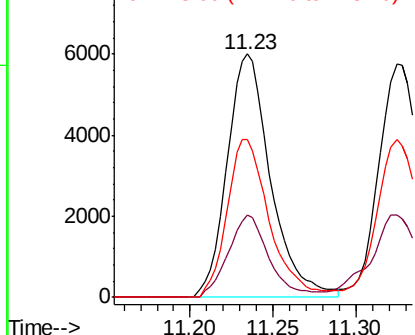
#62
 1,3-Dichlorobenzene
 Concen: 0.727 ug/L
 RT: 11.23 min Scan# 3155
 Delta R.T. 0.00 min
 Lab File: VV007602.D
 Acq: 18 Sep 2018 14:26

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD0.566

Tgt Ion	Ratio	Lower	Upper
146	100		
111	33.7	25.0	46.4
148	64.8	44.6	82.8

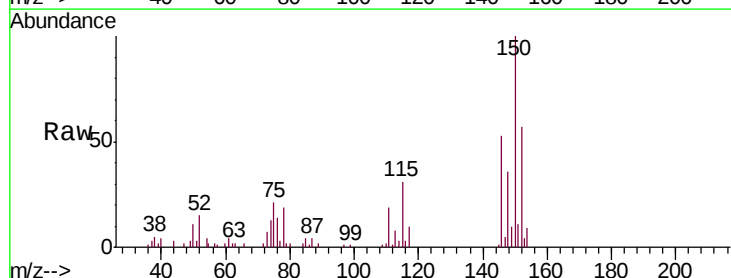


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 111.00 (110.70 to 111.70): V
 Ion 148.00 (147.70 to 148.70): V

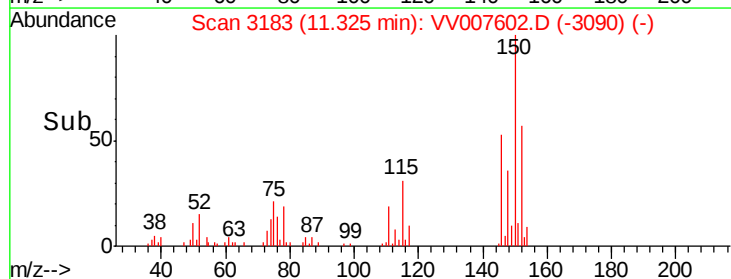
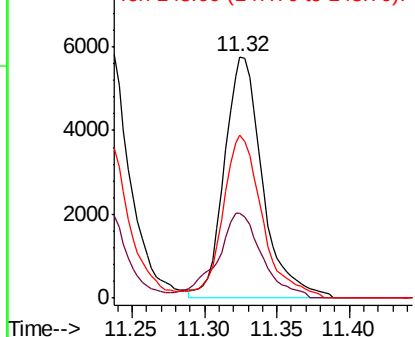


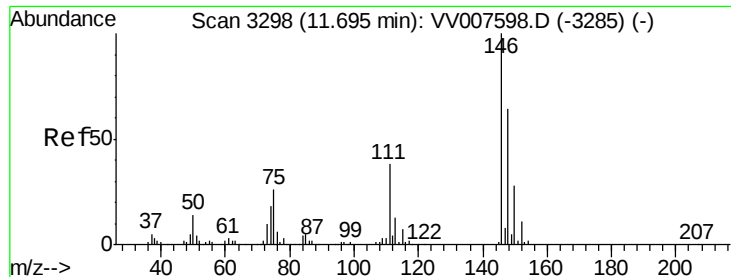
#63
 1,4-Dichlorobenzene
 Concen: 0.704 ug/L
 RT: 11.32 min Scan# 3183
 Delta R.T. -0.00 min
 Lab File: VV007602.D
 Acq: 18 Sep 2018 14:26

Tgt Ion	Ratio	Lower	Upper
146	100		
111	35.4	24.5	45.5
148	67.4	44.0	81.8



Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 111.00 (110.70 to 111.70): V
 Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 0.701 ug/L

RT: 11.70 min Scan# 3299

Delta R.T. 0.00 min

Lab File: VV007602.D

Acq: 18 Sep 2018 14:26

Instrument :

MSVOA_V

ClientSampleId :

VSTD0.566

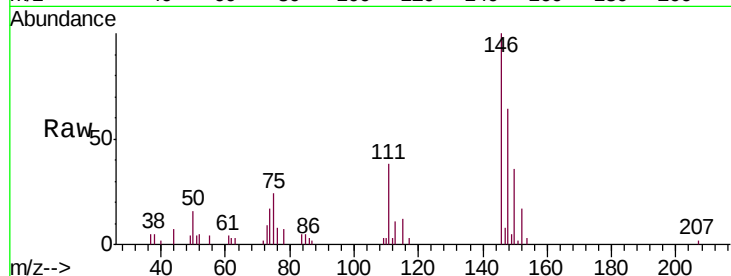
Tgt Ion:146 Resp: 9786

Ion Ratio Lower Upper

146 100

111 37.8 30.6 46.0

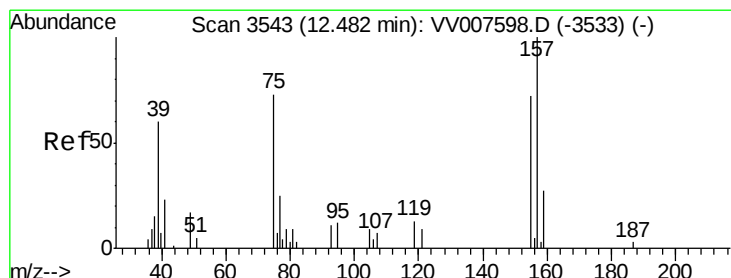
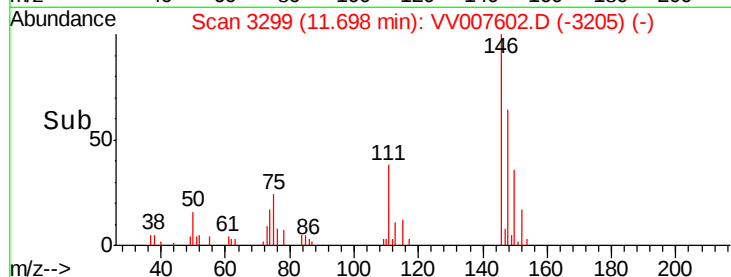
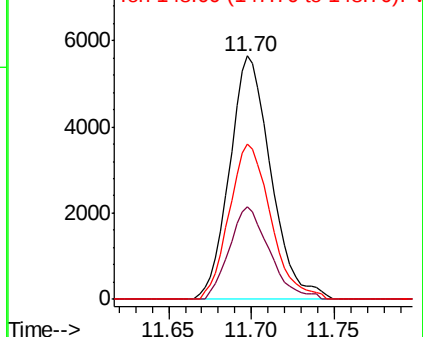
148 64.1 51.3 76.9



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: 0.470 ug/L

RT: 12.49 min Scan# 3544

Delta R.T. 0.00 min

Lab File: VV007602.D

Acq: 18 Sep 2018 14:26

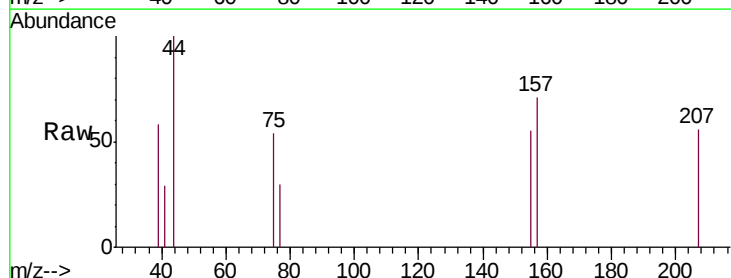
Tgt Ion: 75 Resp: 322

Ion Ratio Lower Upper

75 100

155 101.6 79.1 118.7

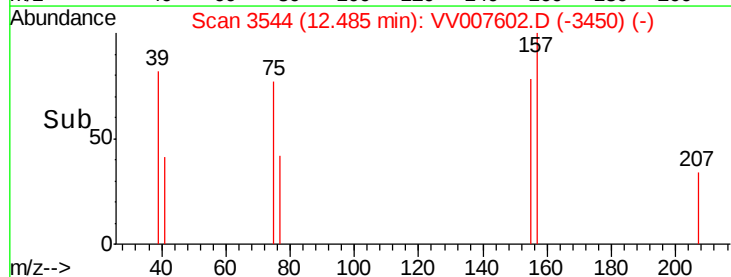
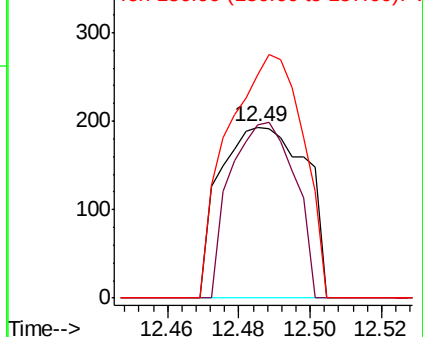
157 130.6 109.8 164.6

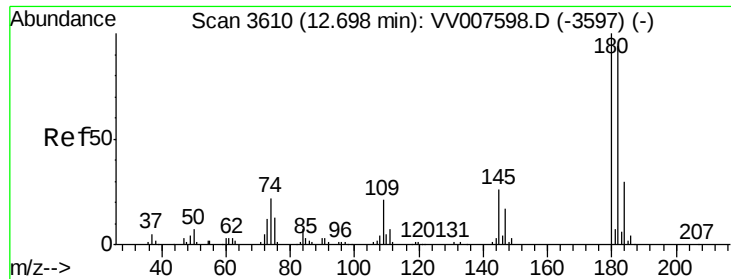


Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V

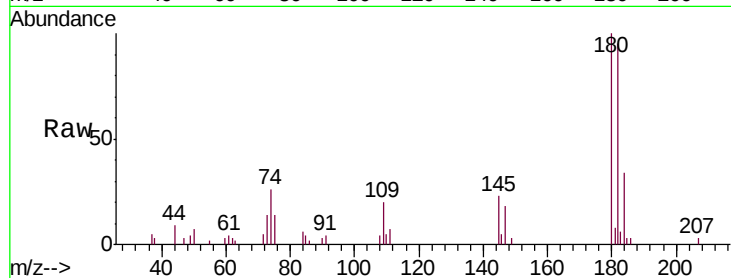




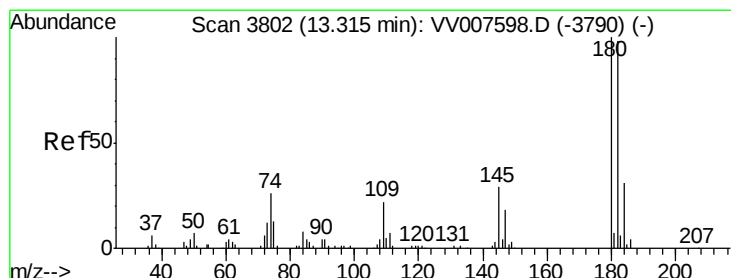
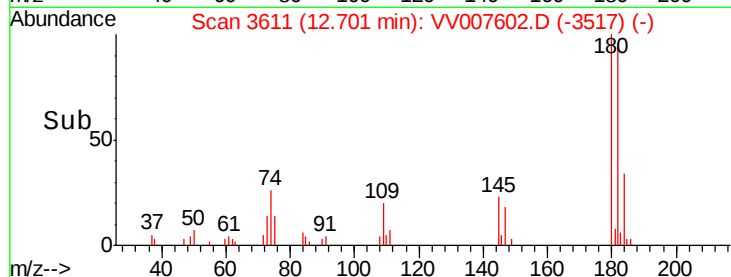
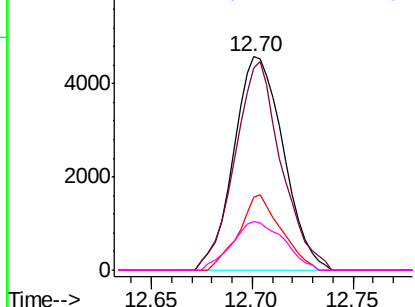
#67
 1,3,5-Trichlorobenzene
 Concen: 0.668 ug/L
 RT: 12.70 min Scan# 3611
 Delta R.T. 0.00 min
 Lab File: VV007602.D
 Acq: 18 Sep 2018 14:26

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD0.566

Tgt Ion:180 Resp: 7884
 Ion Ratio Lower Upper
 180 100
 182 91.4 75.4 113.2
 184 30.3 24.6 36.8
 145 23.9 21.4 32.0

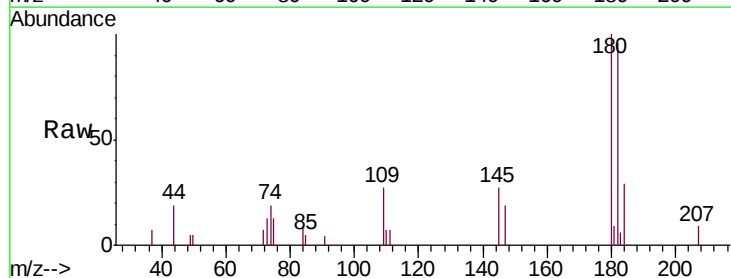


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

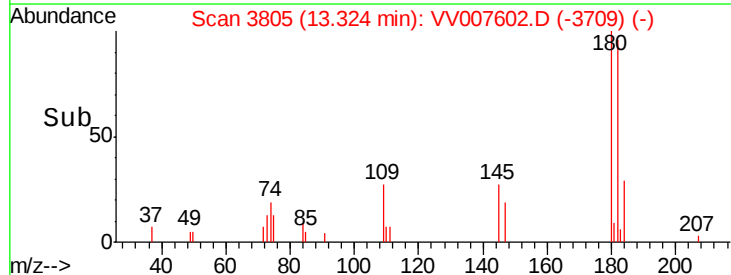
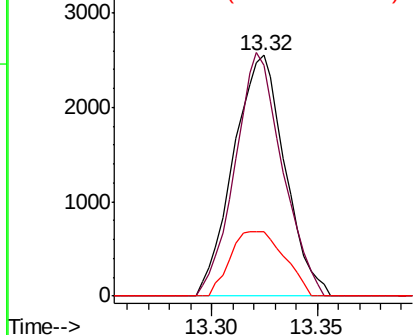


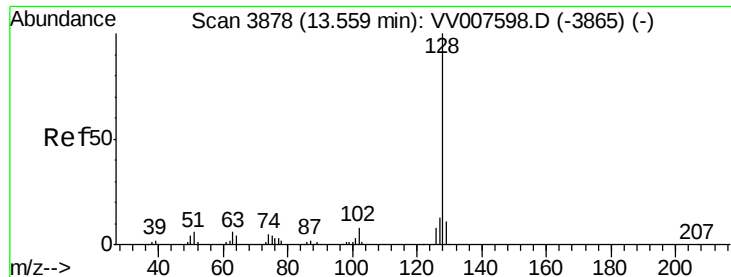
#68
 1,2,4-trichlorobenzene
 Concen: 0.514 ug/L
 RT: 13.32 min Scan# 3805
 Delta R.T. 0.01 min
 Lab File: VV007602.D
 Acq: 18 Sep 2018 14:26

Tgt Ion:180 Resp: 4324
 Ion Ratio Lower Upper
 180 100
 182 92.9 77.9 116.9
 145 28.0 23.1 34.7



Abundance Ion 179.90 (179.60 to 180.60): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 144.95 (144.65 to 145.65): V





#69

Naphthalene

Concen: 0.422 ug/L

RT: 13.57 min Scan# 3880

Delta R.T. 0.01 min

Lab File: VV007602.D

Acq: 18 Sep 2018 14:26

Instrument :

MSVOA_V

ClientSampleId :

VSTD0.566

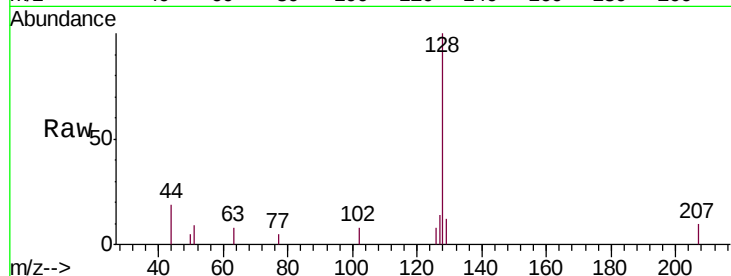
Tgt Ion:128 Resp: 4228

Ion Ratio Lower Upper

128 100

129 8.1 8.6 12.8#

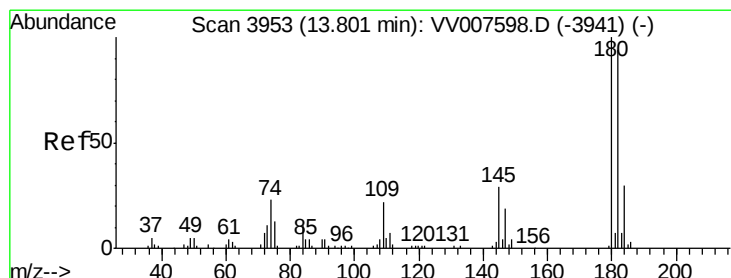
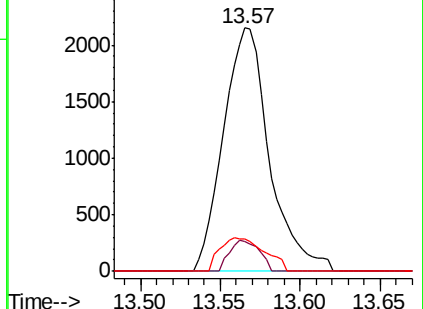
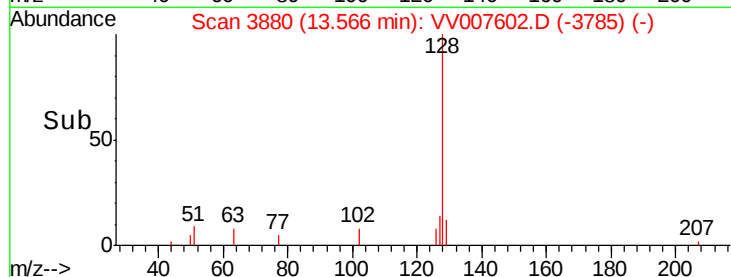
127 13.3 10.4 15.6



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: 0.549 ug/L

RT: 13.81 min Scan# 3955

Delta R.T. 0.01 min

Lab File: VV007602.D

Acq: 18 Sep 2018 14:26

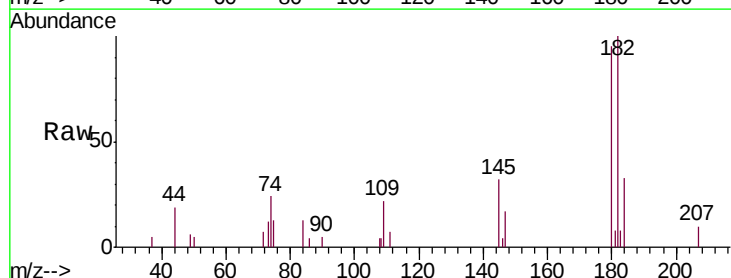
Tgt Ion:180 Resp: 4225

Ion Ratio Lower Upper

180 100

182 97.1 75.1 112.7

145 29.1 23.6 35.4



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

