

Data File : VV007596.D
Acq On : 18 Sep 2018 11:02
Operator : SY/MD
Sample : VSTD0.565
Misc : 25.0 mL/MSVOA_V/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VSTD0.565

Quant Time: Sep 19 01:26:01 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	119991	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	109601	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	57958	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	2549	0.41	ug/L	0.00
7) Chloroethane-d5	1.59	69	2339	0.45	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.14	63	6340	0.48	ug/L	0.00
20) 2-Butanone-d5	4.17	46	193	0.22	ug/L	0.20
24) Chloroform-d	4.41	84	5041	0.40	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.09	65	2546	0.41	ug/L	0.00
32) Benzene-d6	5.10	84	9624	0.39	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.12	67	2964	0.41	ug/L	0.00
41) Toluene-d8	7.36	98	9889	0.38	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.67	79	1167	0.35	ug/L	0.00
46) 2-Hexanone-d5	8.16	63	1384	2.57	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.27	84	1490	0.29	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.68	152	4408	0.42	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	4614	0.653 ug/L	91
3) Chloromethane	1.25	50	3533	0.592 ug/L	93
5) Vinyl chloride	1.32	62	4466	0.671 ug/L	94
6) Bromomethane	1.54	94	3060	0.643 ug/L	99
8) Chloroethane	1.60	64	2557	0.627 ug/L	97
9) Trichlorofluoromethane	1.77	101	8235	0.625 ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	4544	0.629 ug/L	96
12) 1,1-Dichloroethene	2.14	96	4286	0.659 ug/L	95
13) Acetone	2.22	43	2944	5.007 ug/L	86
14) Carbon disulfide	2.32	76	12069	0.639 ug/L	95
15) Methyl Acetate	2.47	43	638	0.378 ug/L	93
16) Methylene chloride	2.54	84	4890	0.700 ug/L	97
17) Methyl tert-butyl Ether	2.82	73	9305	0.611 ug/L #	92
18) trans-1,2-Dichloroethene	2.79	96	4736	0.676 ug/L	96
19) 1,1-Dichloroethane	3.23	63	6335	0.629 ug/L	98
21) 2-Butanone	4.07	43	3971	4.084 ug/L	76
22) cis-1,2-Dichloroethene	3.97	96	4181	0.612 ug/L	92
23) Bromochloromethane	4.31	128	1900	0.633 ug/L	99
25) Chloroform	4.43	83	7015	0.608 ug/L	99
27) 1,2-Dichloroethane	5.19	62	3711	0.564 ug/L	96
29) 1,1,1-Trichloroethane	4.66	97	6354	0.572 ug/L	98
30) Cyclohexane	4.73	56	5909	0.612 ug/L	92
31) Carbon tetrachloride	4.88	117	5965	0.572 ug/L	99
33) Benzene	5.15	78	14202	0.600 ug/L	100
34) Trichloroethene	5.96	95	5330	0.728 ug/L	97
35) Methylcyclohexane	6.18	83	6901	0.615 ug/L	99
37) 1,2-Dichloropropane	6.23	63	3284	0.568 ug/L #	90
38) Bromodichloromethane	6.56	83	4489	0.539 ug/L	98
39) cis-1,3-Dichloropropene	7.08	75	4799	0.524 ug/L	100
40) 4-Methyl-2-pentanone	7.29	43	16502	5.218 ug/L	98

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Instrument :
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ClientSampleId :
VSTD0.565

Quant Time: Sep 19 01:26:01 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	7.43	91	15887	0.582	ug/L	95
44) trans-1,3-Dichloropropene	7.70	75	3687	0.490	ug/L	91
45) 1,1,2-Trichloroethane	7.89	97	2355	0.543	ug/L	97
47) Tetrachloroethene	8.02	164	4218	0.640	ug/L	96
48) 2-Hexanone	8.21	43	13320	5.449	ug/L	95
49) Dibromochloromethane	8.30	129	3097	0.508	ug/L	96
50) 1,2-Dibromoethane	8.40	107	2384	0.566	ug/L #	89
51) Chlorobenzene	8.93	112	10978	0.596	ug/L	98
52) Ethylbenzene	9.06	91	17885	0.584	ug/L	98
53) m,p-xylene	9.19	106	7070	0.595	ug/L	94
54) o-xylene	9.59	106	6567	0.566	ug/L	96
55) Styrene	9.61	104	10495	0.553	ug/L	98
56) Isopropylbenzene	9.98	105	18088	0.571	ug/L	98
58) 1,1,2,2-Tetrachloroethane	10.29	83	1975	0.474	ug/L #	91
59) 1,2,3-Trichloropropane	10.32	75	1922	0.543	ug/L	95
61) Bromoform	9.78	173	1794	0.514	ug/L #	93
62) 1,3-Dichlorobenzene	11.23	146	9527	0.619	ug/L	95
63) 1,4-Dichlorobenzene	11.32	146	9620	0.627	ug/L	100
65) 1,2-Dichlorobenzene	11.70	146	8452	0.591	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.49	75	249	0.355	ug/L	97
67) 1,3,5-Trichlorobenzene	12.70	180	6510	0.539	ug/L	99
68) 1,2,4-trichlorobenzene	13.32	180	3239	0.376	ug/L	96
69) Naphthalene	13.57	128	2976	0.290	ug/L #	86
70) 1,2,3-Trichlorobenzene	13.80	180	3251	0.412	ug/L	93

(#) = 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 :
VSTD0.565

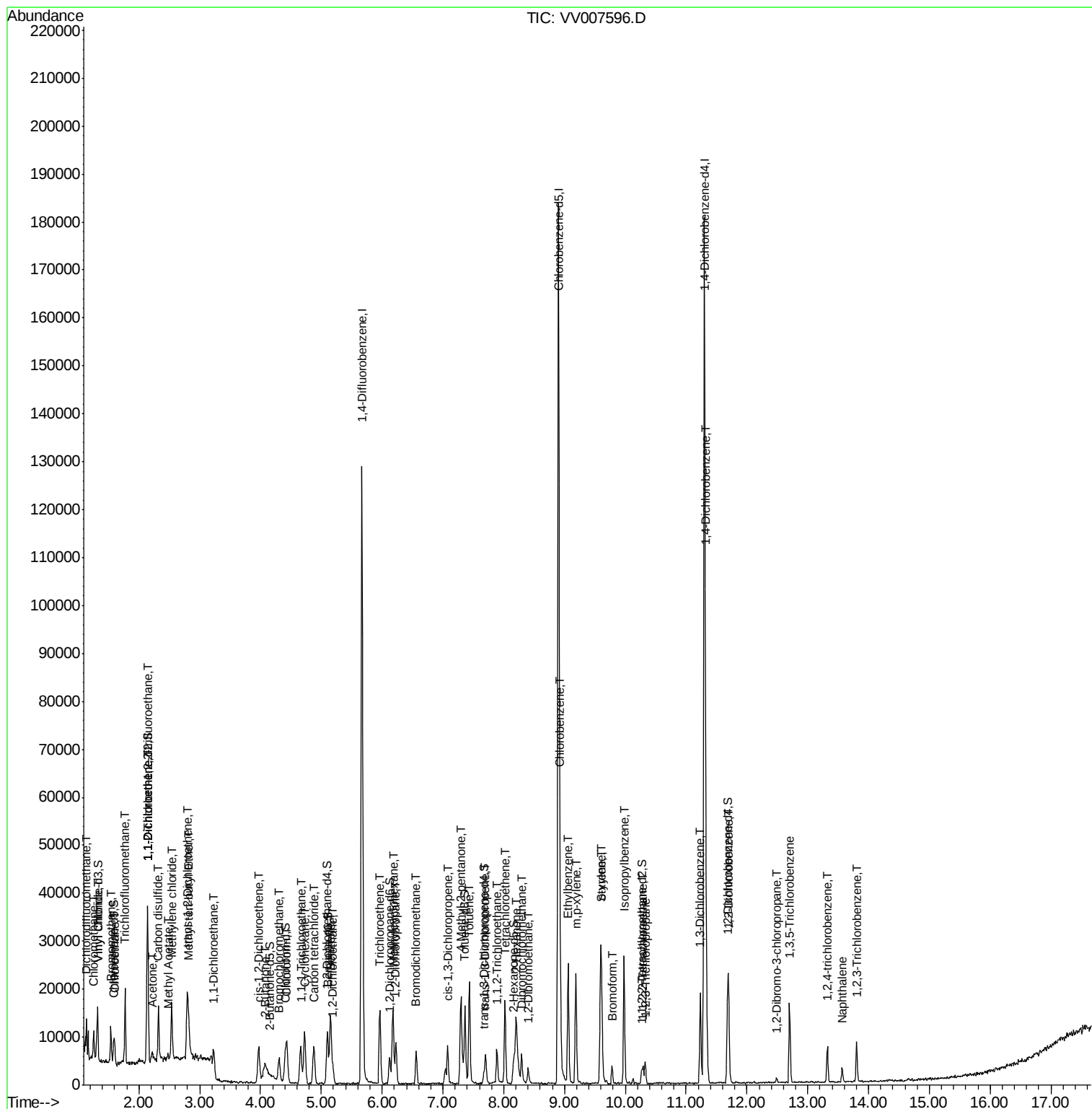
Quant Time: Sep 19 01:26:01 2018

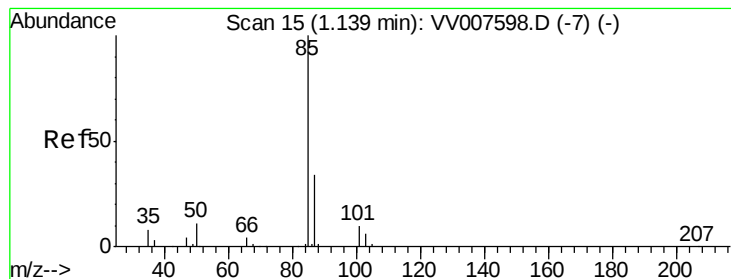
Quant Method : Z:\V0ASRV\HPCHEM1\MSV0A_V\METHOD\SOMVTR091818WMA.M

Quant Title : TRACE VOA SOM01.0

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#2

Dichlorodifluoromethane

Concen: 0.653 ug/L

RT: 1.14 min Scan# 15

Delta R.T. -0.00 min

Lab File: VV007596.D

Acq: 18 Sep 2018 11:02

Instrument :

MSVOA_V

ClientSampleId :

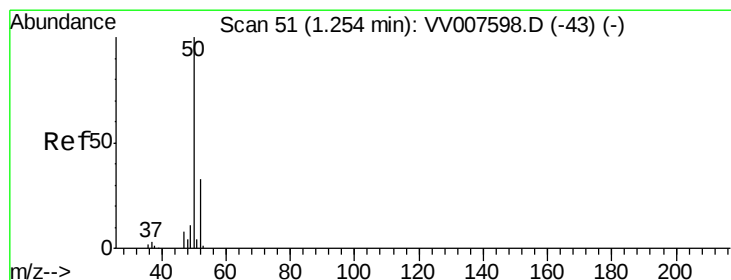
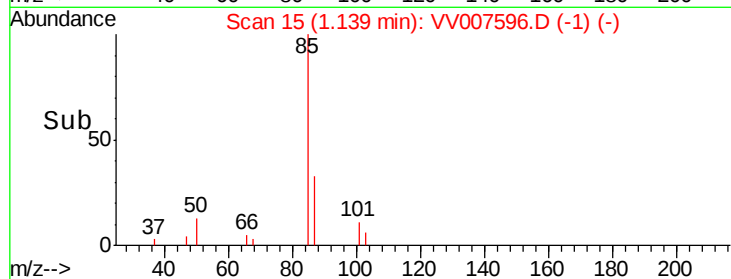
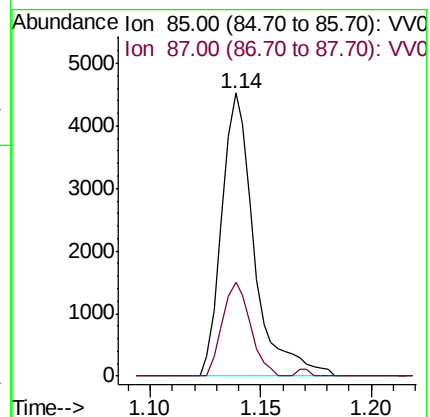
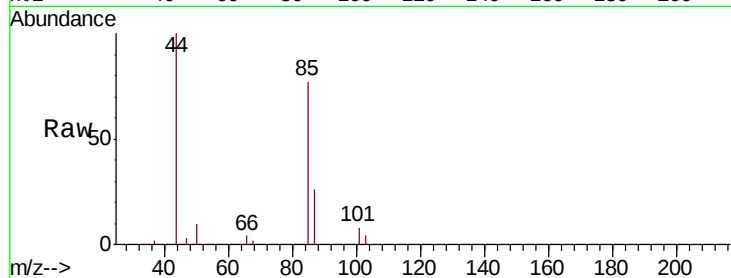
VSTD0.565

Tgt Ion: 85 Resp: 4614

Ion Ratio Lower Upper

85 100

87 28.2 26.6 40.0



#3

Chloromethane

Concen: 0.592 ug/L

RT: 1.25 min Scan# 51

Delta R.T. -0.00 min

Lab File: VV007596.D

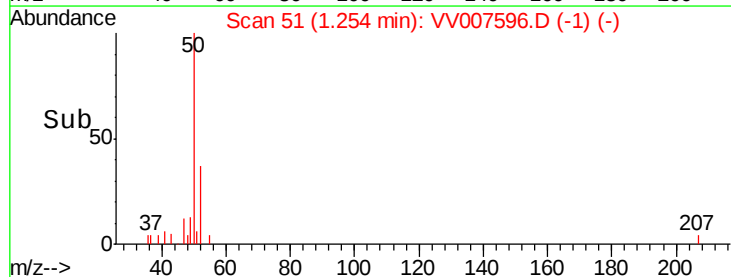
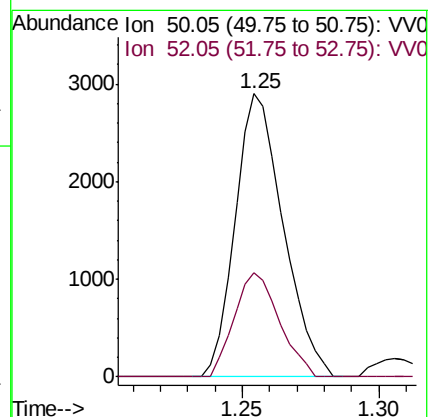
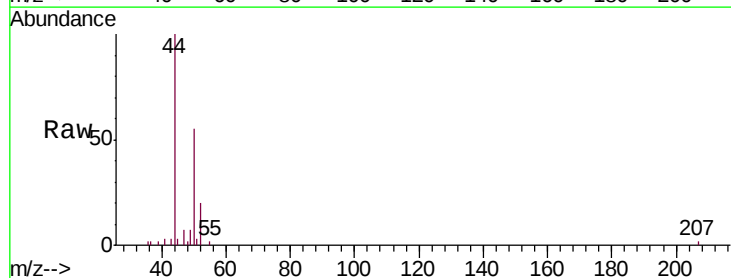
Acq: 18 Sep 2018 11:02

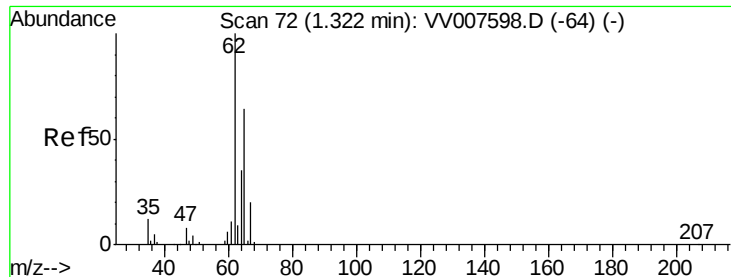
Tgt Ion: 50 Resp: 3533

Ion Ratio Lower Upper

50 100

52 36.7 22.8 42.4





#5

Vinyl chloride

Concen: 0.671 ug/L

RT: 1.32 min Scan# 72

Delta R.T. -0.00 min

Lab File: VV007596.D

Acq: 18 Sep 2018 11:02

Instrument :

MSVOA_V

ClientSampleId :

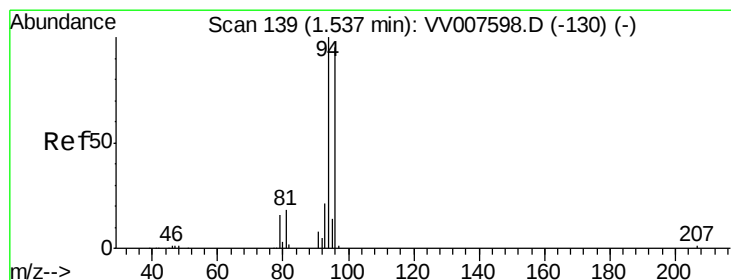
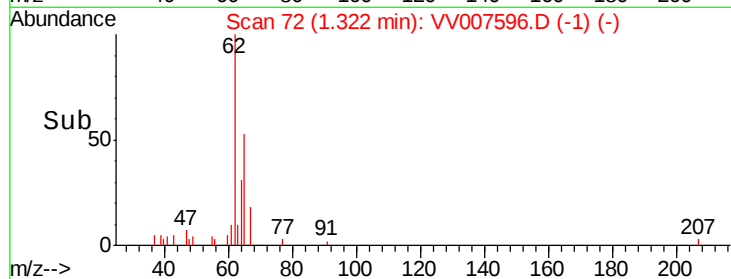
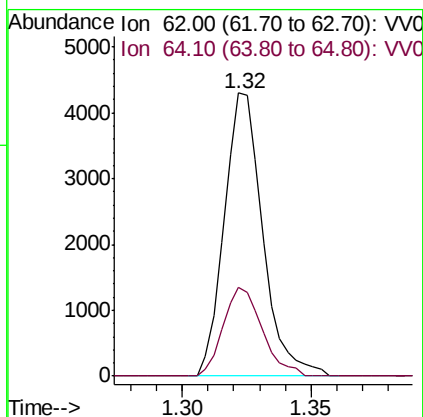
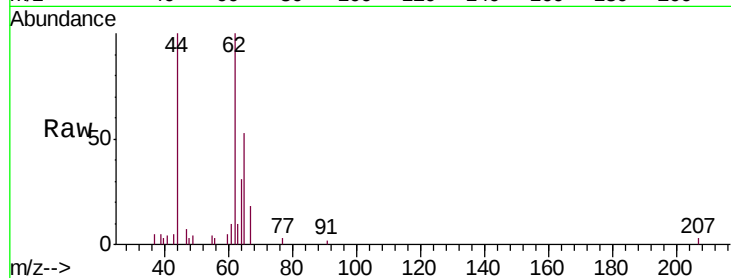
VSTD0.565

Tgt Ion: 62 Resp: 4466

Ion Ratio Lower Upper

62 100

64 31.3 24.2 45.0



#6

Bromomethane

Concen: 0.643 ug/L

RT: 1.54 min Scan# 139

Delta R.T. -0.00 min

Lab File: VV007596.D

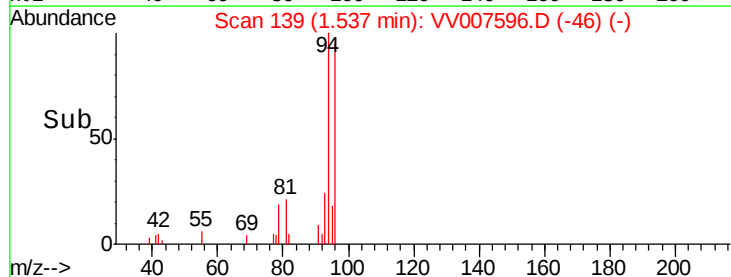
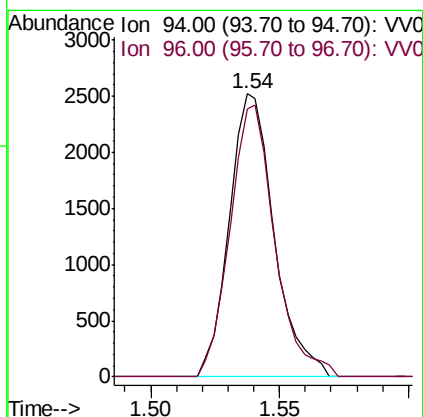
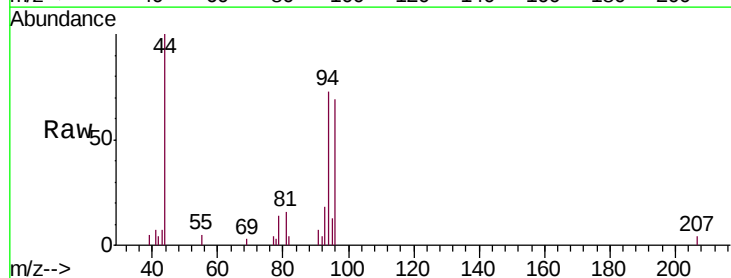
Acq: 18 Sep 2018 11:02

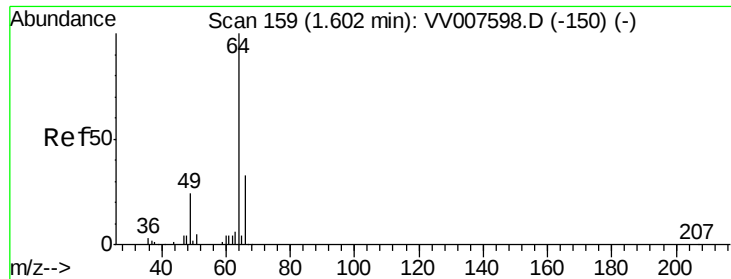
Tgt Ion: 94 Resp: 3060

Ion Ratio Lower Upper

94 100

96 94.5 66.6 123.6





#8

Chloroethane

Concen: 0.627 ug/L

RT: 1.60 min Scan# 159

Delta R.T. -0.00 min

Lab File: VV007596.D

Acq: 18 Sep 2018 11:02

Instrument :

MSVOA_V

ClientSampleId :

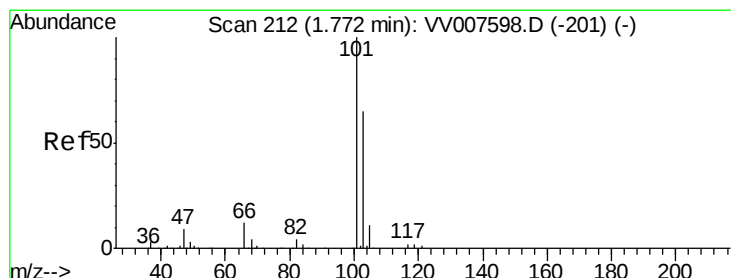
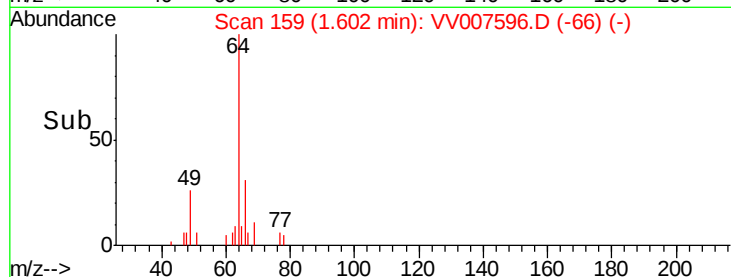
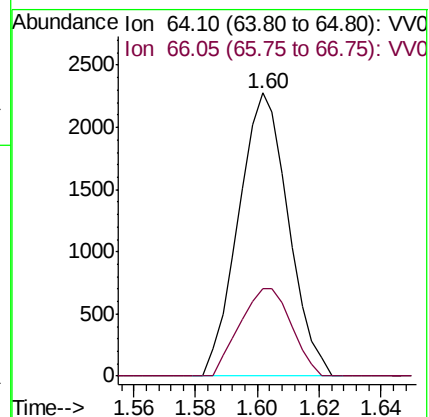
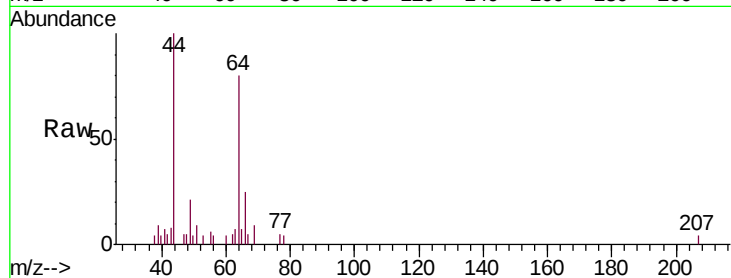
VSTD0.565

Tgt Ion: 64 Resp: 2557

Ion Ratio Lower Upper

64 100

66 30.9 22.9 42.5



#9

Trichlorofluoromethane

Concen: 0.625 ug/L

RT: 1.77 min Scan# 212

Delta R.T. -0.00 min

Lab File: VV007596.D

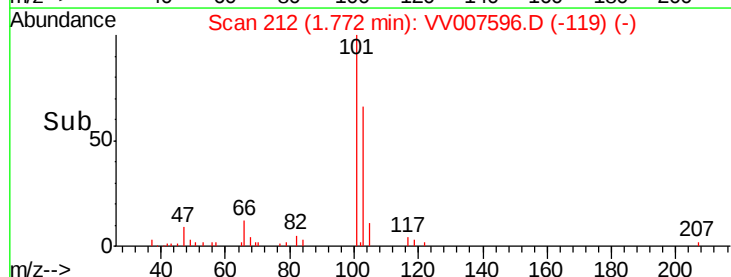
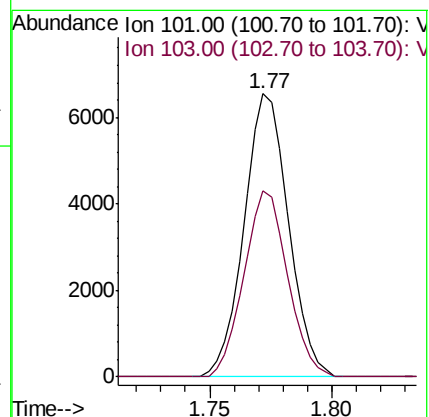
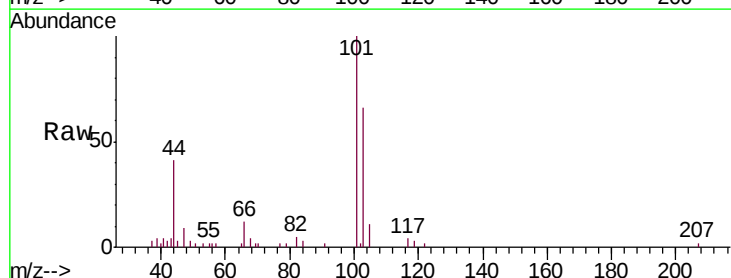
Acq: 18 Sep 2018 11:02

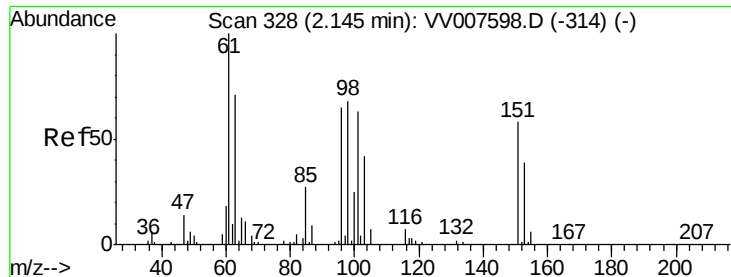
Tgt Ion: 101 Resp: 8235

Ion Ratio Lower Upper

101 100

103 64.5 52.2 78.2





#10

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

Concen: 0.629 ug/L

RT: 2.14 min Scan# 328

Delta R.T. -0.00 min

Lab File: VV007596.D

Acq: 18 Sep 2018 11:02

Instrument :

MSVOA_V

ClientSampleId :

VSTD0.565

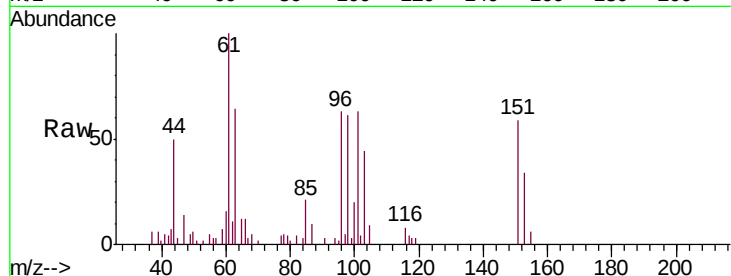
Tgt Ion: 101 Resp: 4544

Ion Ratio Lower Upper

101 100

85 42.0 34.4 51.6

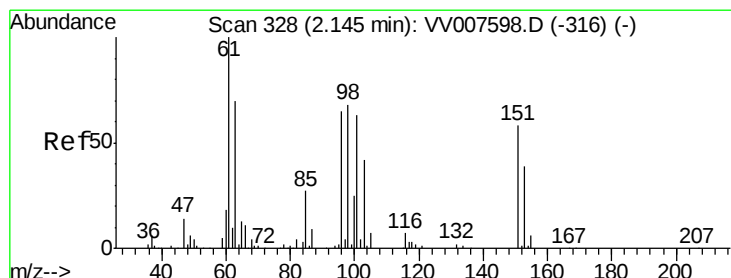
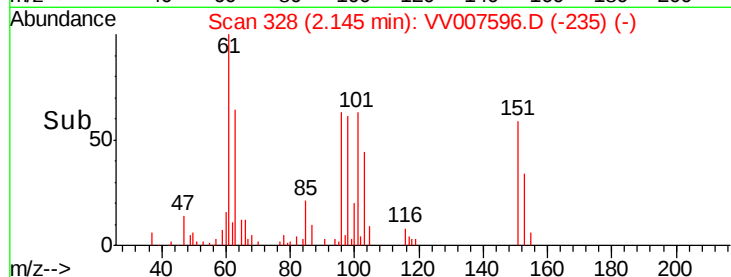
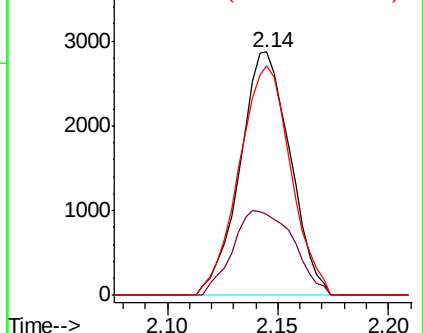
151 96.8 74.1 111.1



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: 0.659 ug/L

RT: 2.14 min Scan# 328

Delta R.T. -0.00 min

Lab File: VV007596.D

Acq: 18 Sep 2018 11:02

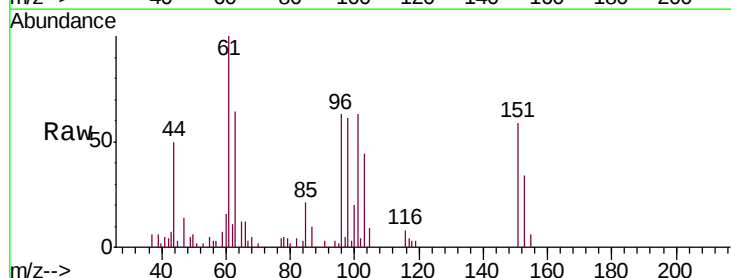
Tgt Ion: 96 Resp: 4286

Ion Ratio Lower Upper

96 100

61 159.4 108.1 200.9

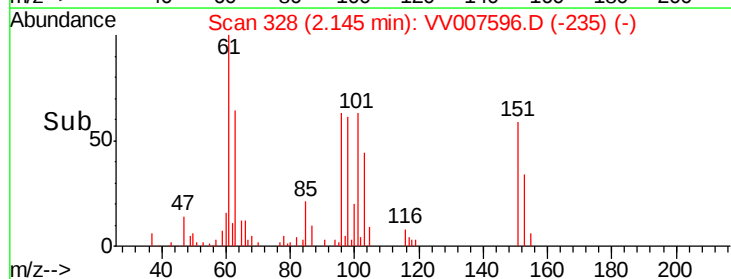
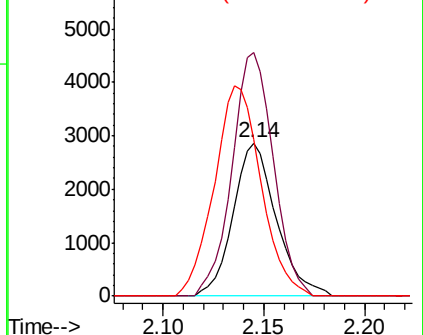
63 102.7 76.9 142.9

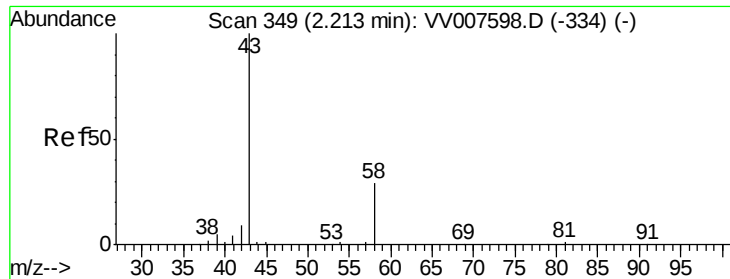


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.05 (60.75 to 61.75): VV0

Ion 63.00 (62.70 to 63.70): VV0





#13

Acetone

Concen: 5.007 ug/L

RT: 2.22 min Scan# 350

Delta R.T. 0.00 min

Lab File: VV007596.D

Acq: 18 Sep 2018 11:02

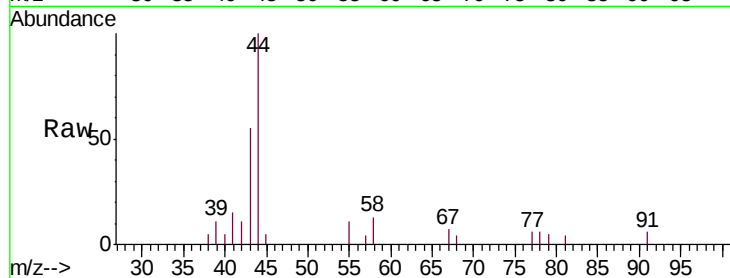
Instrument :
MSVOA_V
ClientSampled :
VSTD0.565

Tgt Ion: 43 Resp: 2944

Ion Ratio Lower Upper

43 100

58 36.1 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) (-)

2.22

1500

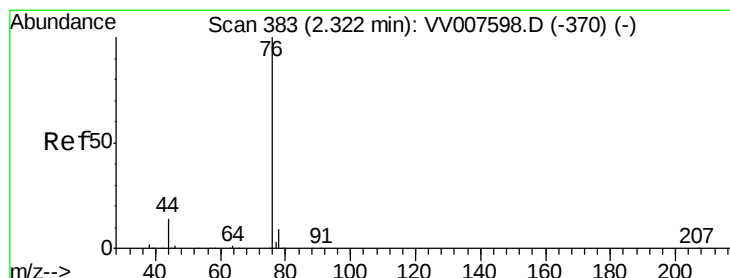
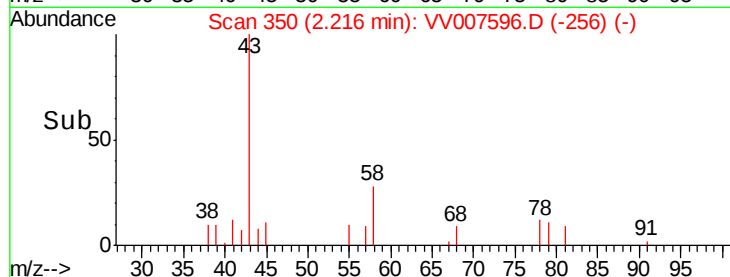
1000

500

0

2.15 2.20 2.25

Time-->



#14

Carbon disulfide

Concen: 0.639 ug/L

RT: 2.32 min Scan# 383

Delta R.T. -0.00 min

Lab File: VV007596.D

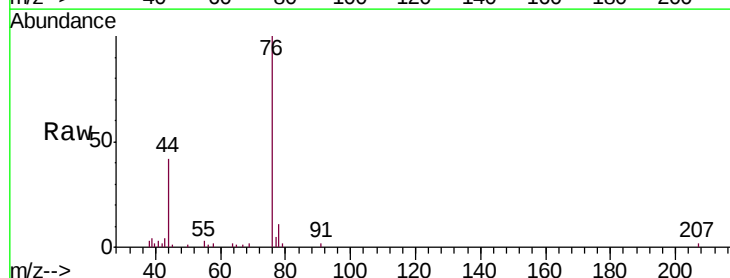
Acq: 18 Sep 2018 11:02

Tgt Ion: 76 Resp: 12069

Ion Ratio Lower Upper

76 100

78 11.0 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) (-)

10000

8000

6000

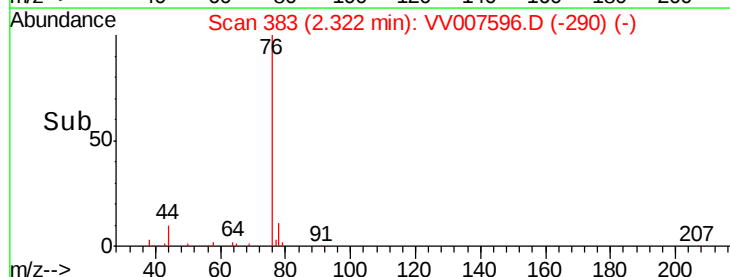
4000

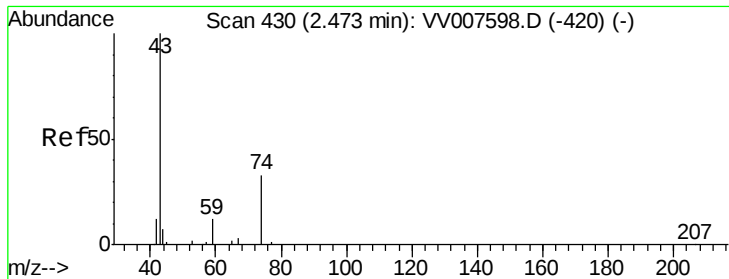
2000

0

2.30 2.35

Time-->





#15

Methyl Acetate

Concen: 0.378 ug/L

RT: 2.47 min Scan# 430

Delta R.T. -0.00 min

Lab File: VV007596.D

Acq: 18 Sep 2018 11:02

Instrument :

MSVOA_V

ClientSampled :

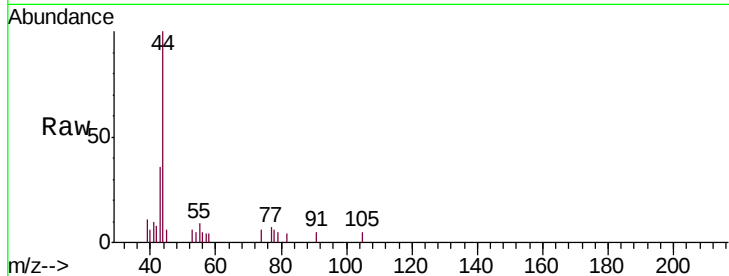
VSTD0.565

Tgt Ion: 43 Resp: 638

Ion Ratio Lower Upper

43 100

74 29.5 20.6 31.0



Abundance Ion 43.05 (42.75 to 43.75): VV007598.D (-420) (-)

Ion 74.05 (73.75 to 74.75): VV007598.D (-420) (-)

2.47

800

600

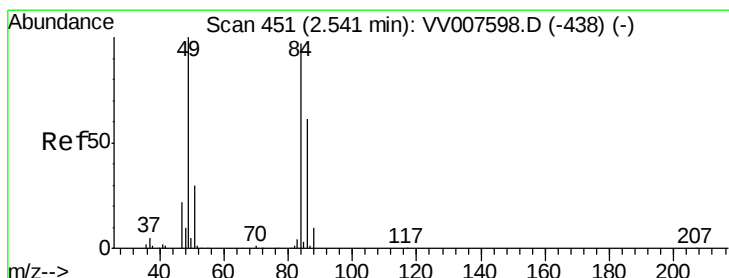
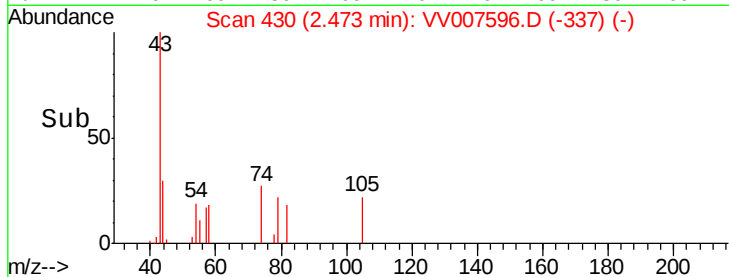
400

200

0

2.44 2.46 2.48 2.50

Time-->



#16

Methylene chloride

Concen: 0.700 ug/L

RT: 2.54 min Scan# 451

Delta R.T. -0.00 min

Lab File: VV007596.D

Acq: 18 Sep 2018 11:02

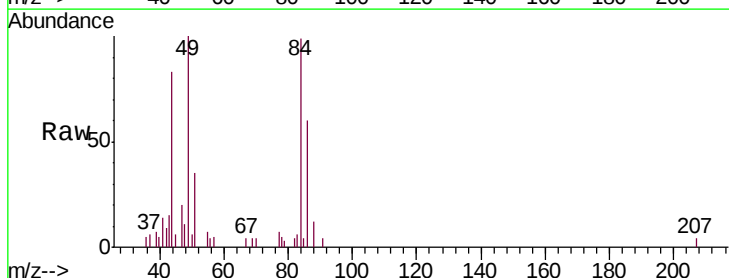
Tgt Ion: 84 Resp: 4890

Ion Ratio Lower Upper

84 100

86 60.7 44.4 82.4

49 100.9 72.3 134.3



Abundance Ion 84.05 (83.75 to 84.75): VV007598.D (-438) (-)

Ion 86.00 (85.70 to 86.70): VV007598.D (-438) (-)

Ion 49.10 (48.80 to 49.80): VV007598.D (-438) (-)

2.54

4000

3000

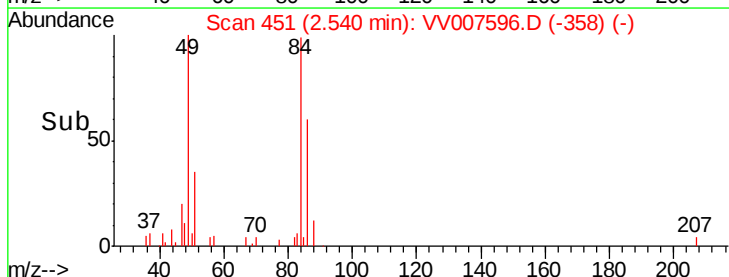
2000

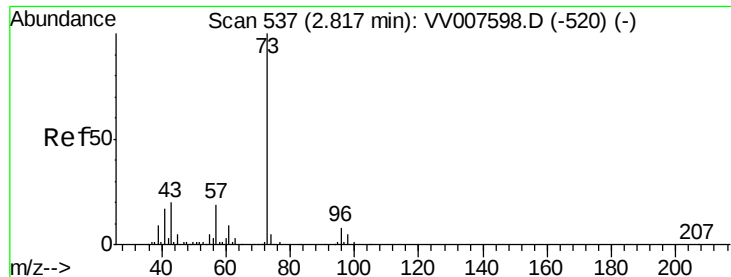
1000

0

2.50 2.55 2.60

Time-->

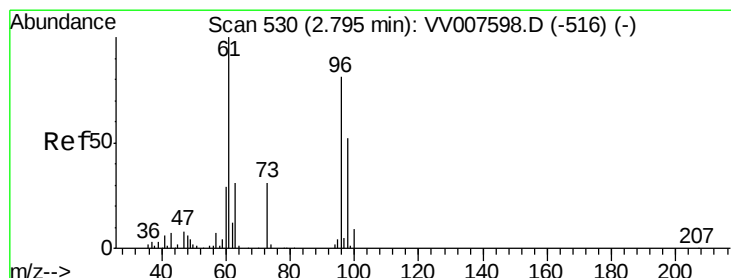
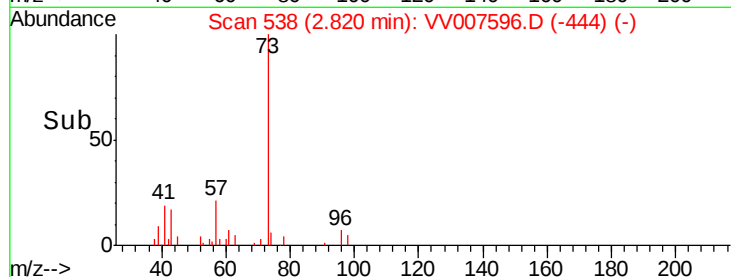
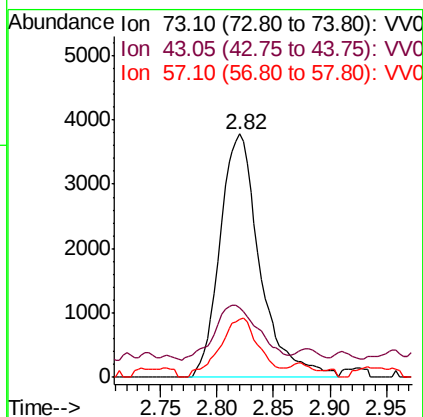
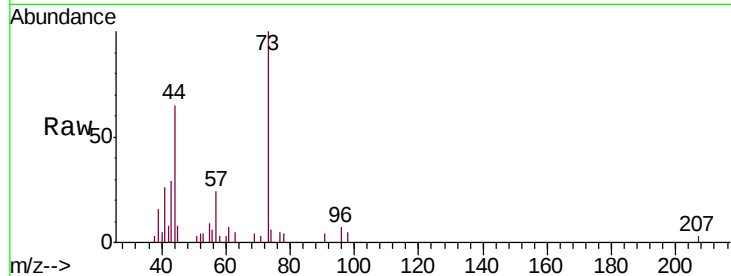




#17
Methyl tert-butyl Ether
Concen: 0.611 ug/L
RT: 2.82 min Scan# 538
Delta R.T. 0.00 min
Lab File: VV007596.D
Acq: 18 Sep 2018 11:02

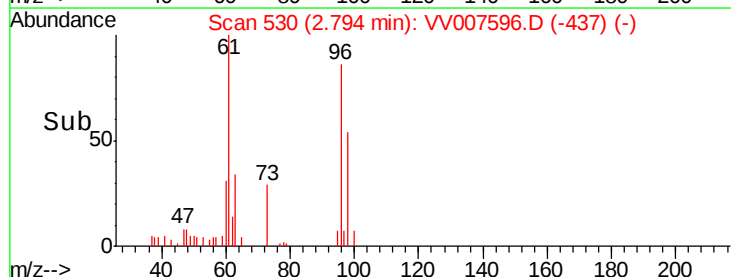
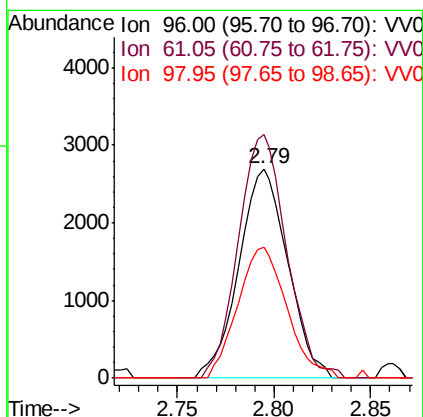
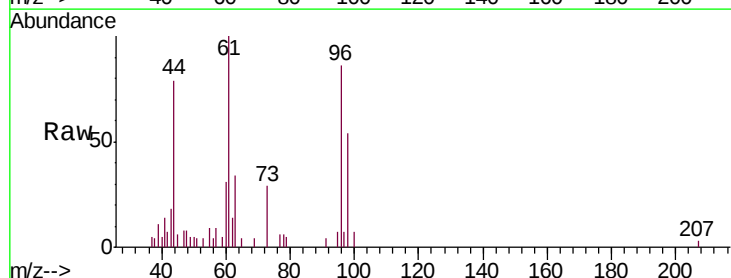
Instrument :
MSVOA_V
ClientSampleId :
VSTD0.565

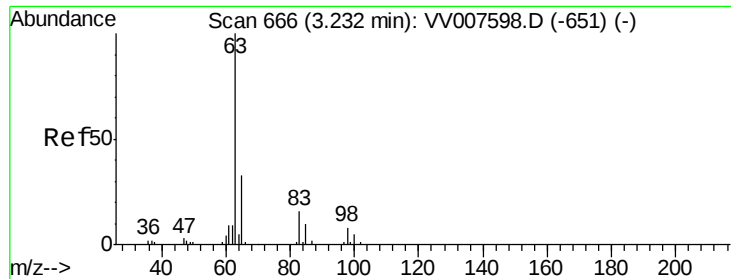
Tgt Ion: 73 Resp: 9305
Ion Ratio Lower Upper
73 100
43 24.4 16.2 24.2#
57 24.1 16.4 24.6



#18
trans-1,2-Dichloroethene
Concen: 0.676 ug/L
RT: 2.79 min Scan# 530
Delta R.T. -0.00 min
Lab File: VV007596.D
Acq: 18 Sep 2018 11:02

Tgt Ion: 96 Resp: 4736
Ion Ratio Lower Upper
96 100
61 116.4 86.0 159.6
98 62.5 44.9 83.3

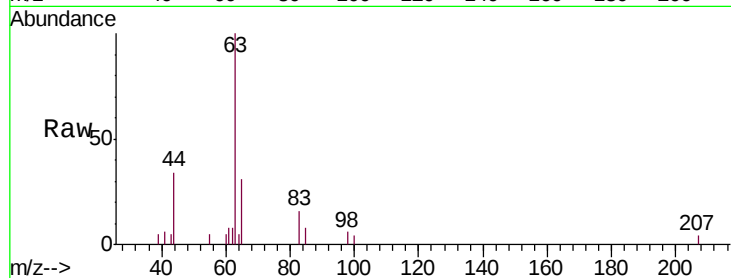




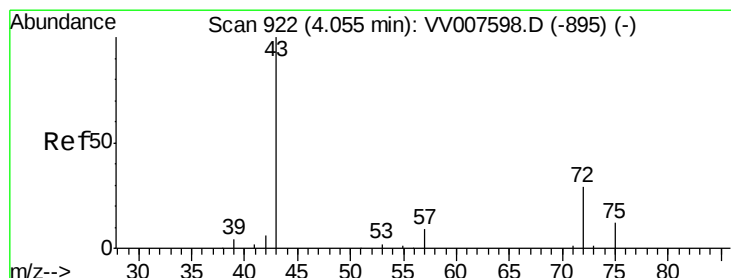
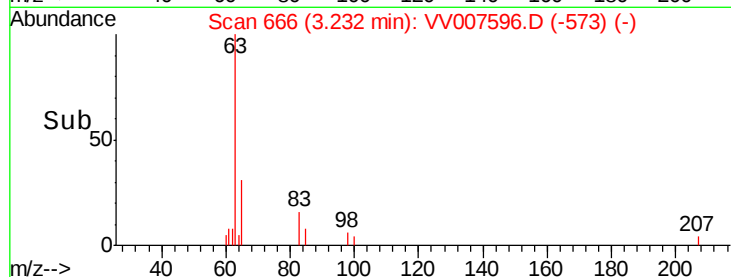
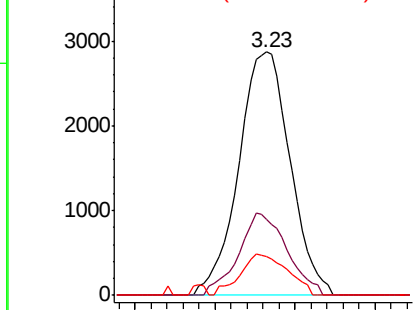
#19
 1,1-Dichloroethane
 Concen: 0.629 ug/L
 RT: 3.23 min Scan# 666
 Delta R.T. -0.00 min
 Lab File: VV007596.D
 Acq: 18 Sep 2018 11:02

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD0.565

Tgt Ion: 63 Resp: 6335
 Ion Ratio Lower Upper
 63 100
 65 31.0 23.0 42.8
 83 16.2 11.3 20.9

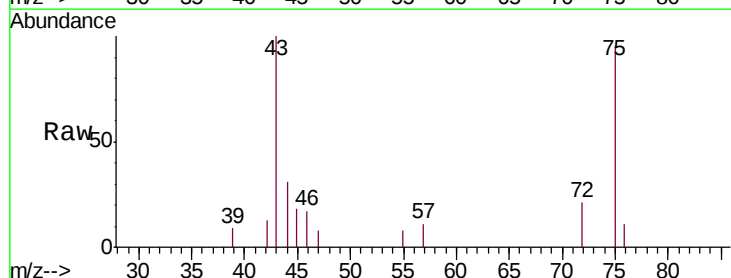


Abundance Ion 63.10 (62.80 to 63.80): VV0
 Ion 65.10 (64.80 to 65.80): VV0
 Ion 83.05 (82.75 to 83.75): VV0

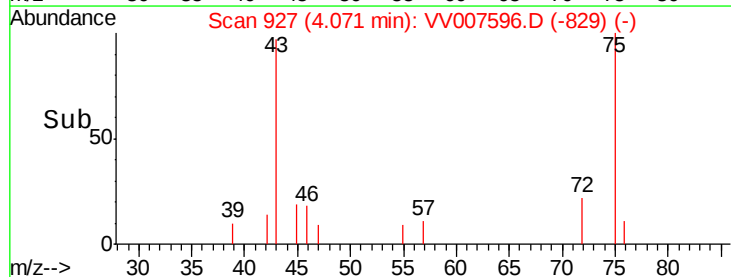
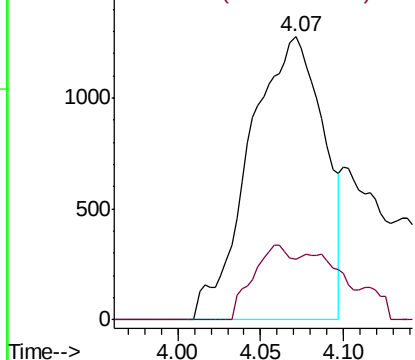


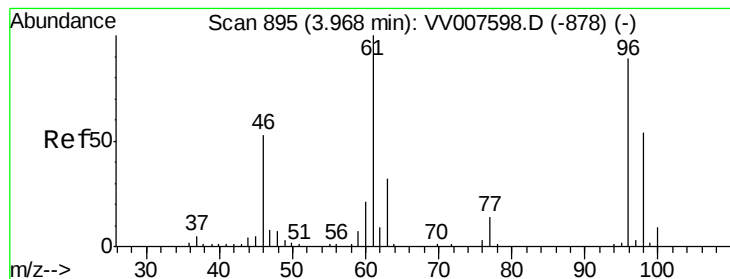
#21
 2-Butanone
 Concen: 4.084 ug/L
 RT: 4.07 min Scan# 927
 Delta R.T. 0.02 min
 Lab File: VV007596.D
 Acq: 18 Sep 2018 11:02

Tgt Ion: 43 Resp: 3971
 Ion Ratio Lower Upper
 43 100
 72 14.3 13.4 40.2



Abundance Ion 43.05 (42.75 to 43.75): VV0
 Ion 72.10 (71.80 to 72.80): VV0



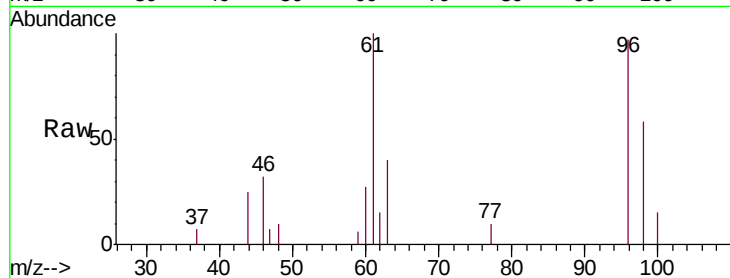


#22

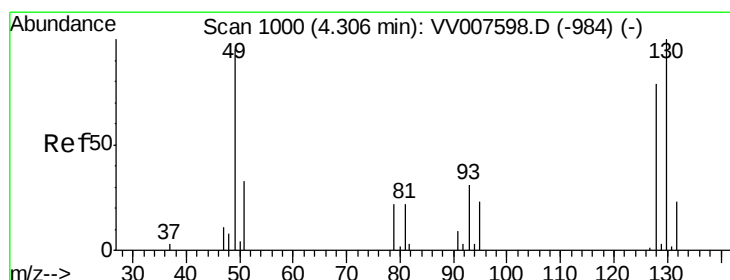
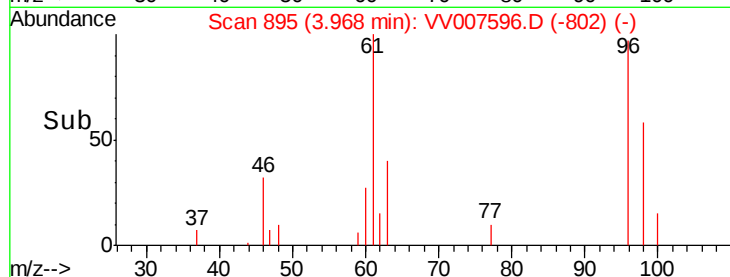
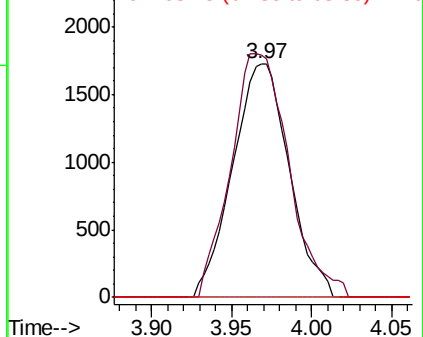
cis-1,2-Dichloroethene
Concen: 0.612 ug/L
RT: 3.97 min Scan# 895
Delta R.T. -0.00 min
Lab File: VV007596.D
Acq: 18 Sep 2018 11:02

Instrument :
MSVOA_V
ClientSampleId :
VSTD0.565

Tgt Ion: 96 Resp: 4181
Ion Ratio Lower Upper
96 100
61 103.5 78.4 145.6
68 0.0 0.0 0.0



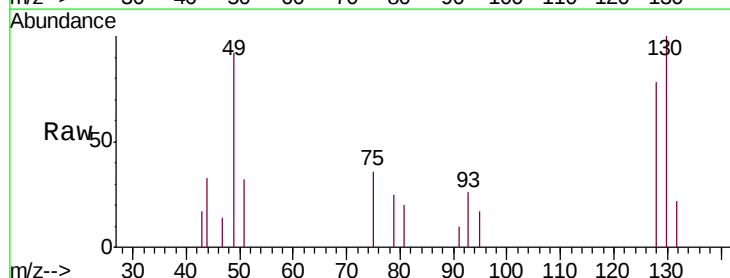
Abundance Ion 96.00 (95.70 to 96.70): VV0
Ion 61.05 (60.75 to 61.75): VV0
Ion 68.15 (67.85 to 68.85): VV0



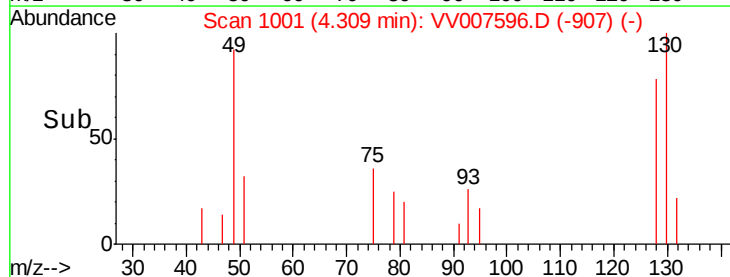
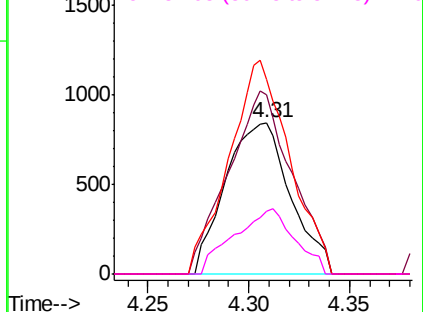
#23

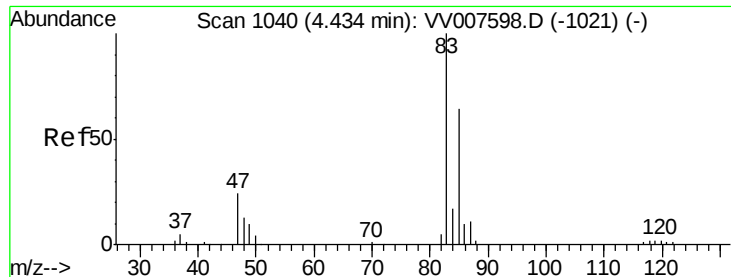
Bromochloromethane
Concen: 0.633 ug/L
RT: 4.31 min Scan# 1001
Delta R.T. 0.00 min
Lab File: VV007596.D
Acq: 18 Sep 2018 11:02

Tgt Ion: 128 Resp: 1900
Ion Ratio Lower Upper
128 100
49 118.3 84.1 156.3
130 128.6 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

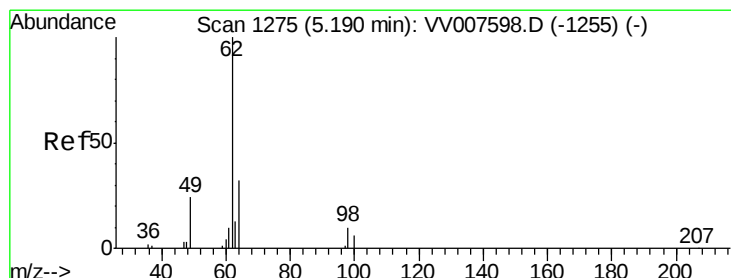
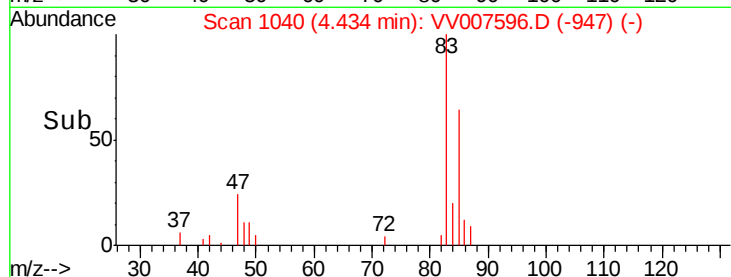
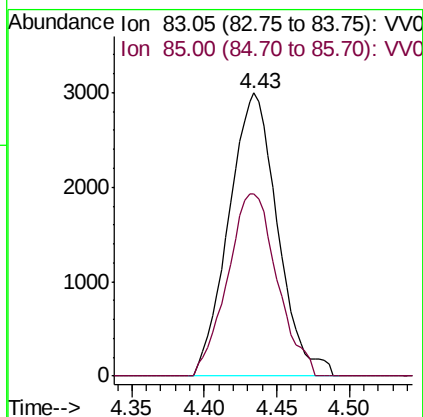
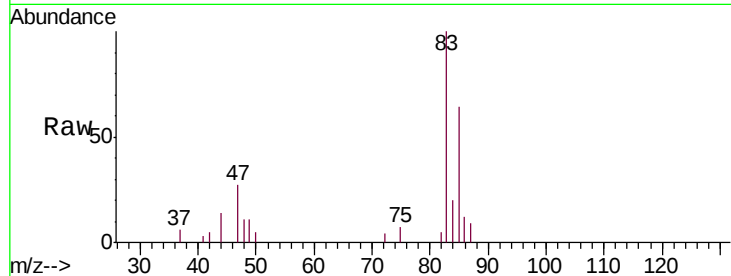




#25
Chloroform
Concen: 0.608 ug/L
RT: 4.43 min Scan# 1040
Delta R.T. -0.00 min
Lab File: VV007596.D
Acq: 18 Sep 2018 11:02

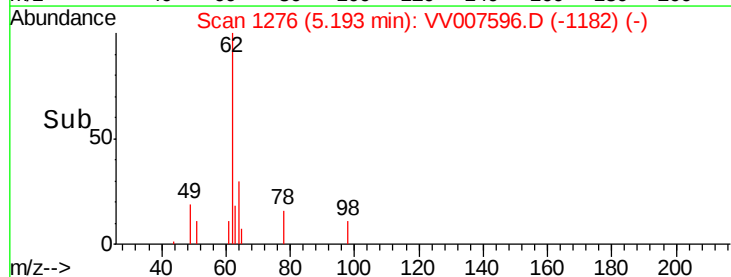
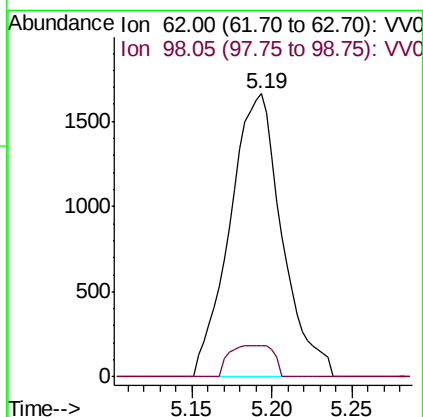
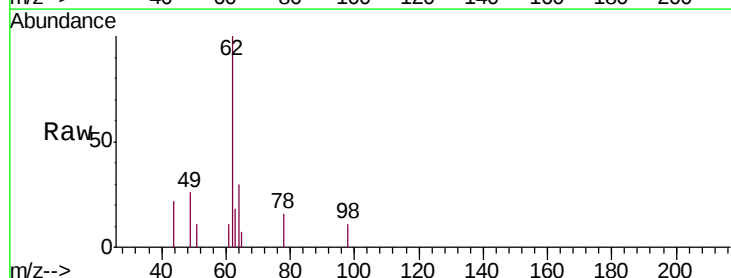
Instrument :
MSVOA_V
ClientSampled :
VSTD0.565

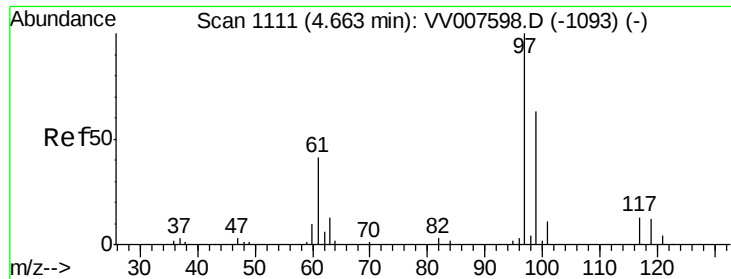
Tgt Ion: 83 Resp: 7015
Ion Ratio Lower Upper
83 100
85 64.3 44.5 82.7



#27
1,2-Dichloroethane
Concen: 0.564 ug/L
RT: 5.19 min Scan# 1276
Delta R.T. 0.00 min
Lab File: VV007596.D
Acq: 18 Sep 2018 11:02

Tgt Ion: 62 Resp: 3711
Ion Ratio Lower Upper
62 100
98 11.1 7.6 11.4

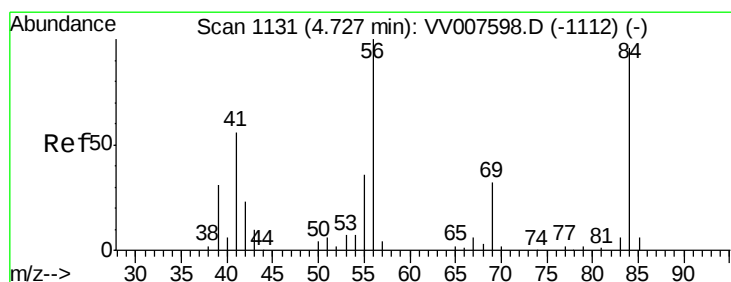
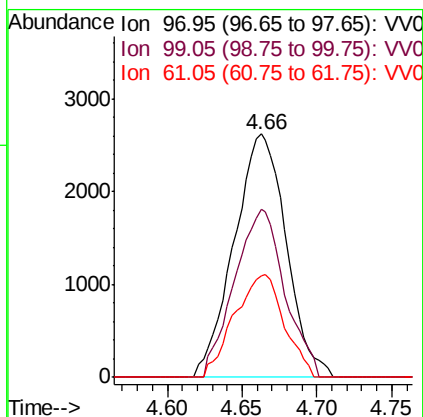
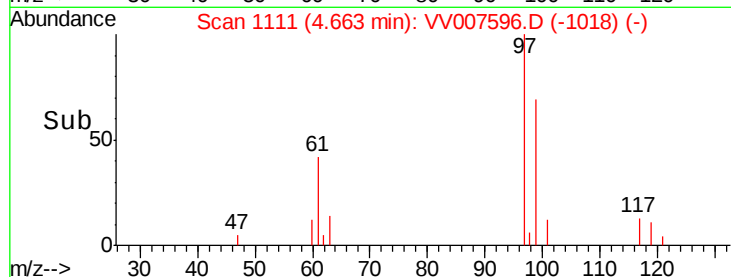
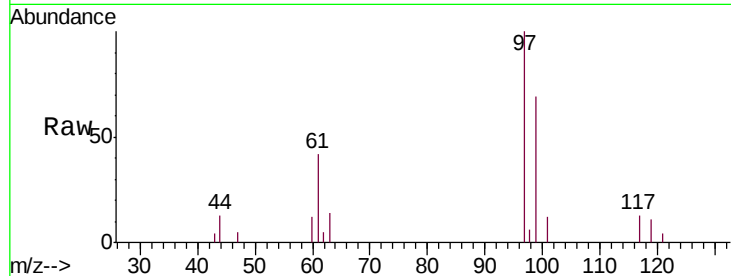




#29
1,1,1-Trichloroethane
Concen: 0.572 ug/L
RT: 4.66 min Scan# 1111
Delta R.T. -0.00 min
Lab File: VV007596.D
Acq: 18 Sep 2018 11:02

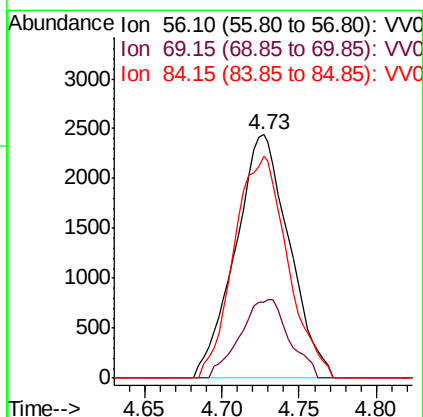
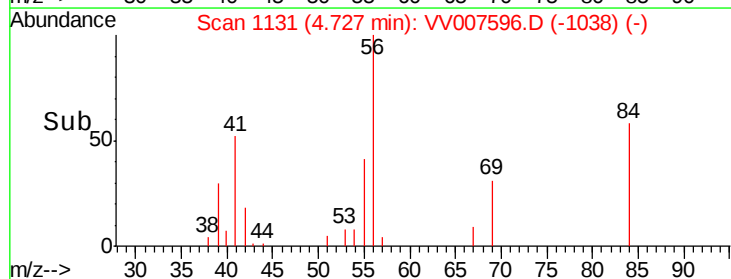
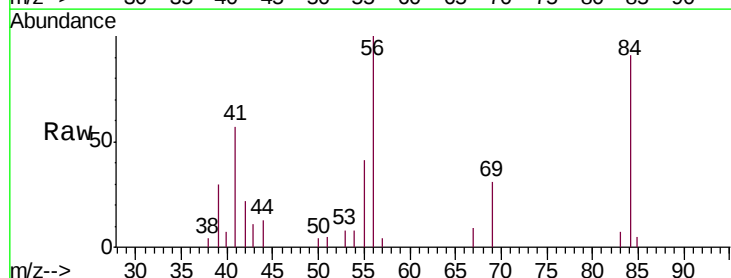
Instrument :
MSVOA_V
ClientSampleId :
VSTD0.565

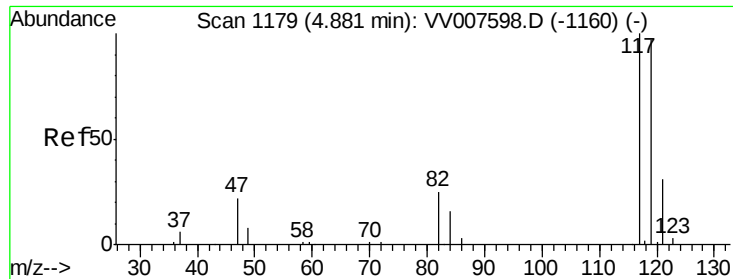
Tgt Ion: 97 Resp: 6354
Ion Ratio Lower Upper
97 100
99 66.5 51.4 77.0
61 40.1 32.9 49.3



#30
Cyclohexane
Concen: 0.612 ug/L
RT: 4.73 min Scan# 1131
Delta R.T. -0.00 min
Lab File: VV007596.D
Acq: 18 Sep 2018 11:02

Tgt Ion: 56 Resp: 5909
Ion Ratio Lower Upper
56 100
69 29.4 26.1 39.1
84 90.1 79.1 118.7





#31

Carbon tetrachloride

Concen: 0.572 ug/L

RT: 4.88 min Scan# 1179

Delta R.T. -0.00 min

Lab File: VV007596.D

Acq: 18 Sep 2018 11:02

Instrument :

MSVOA_V

ClientSampleId :

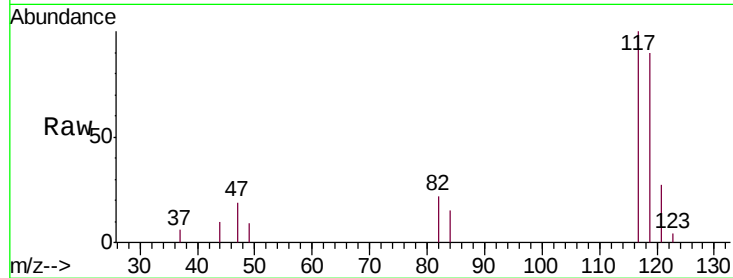
VSTD0.565

Tgt Ion:117 Resp: 5965

Ion Ratio Lower Upper

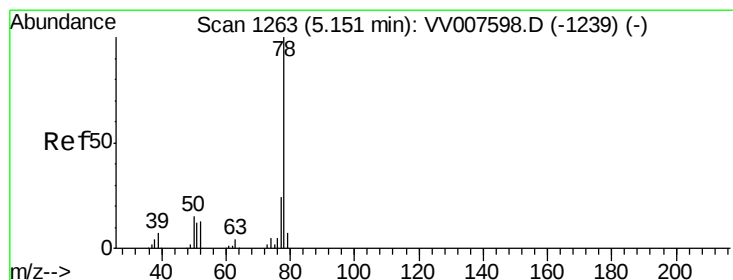
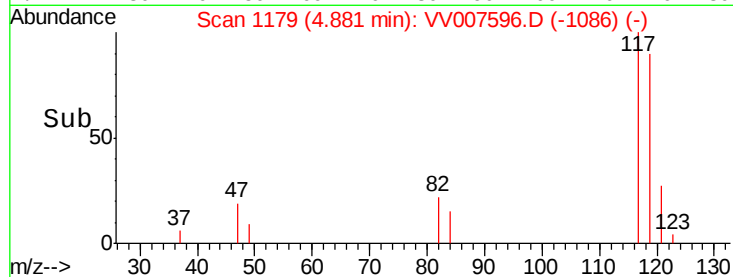
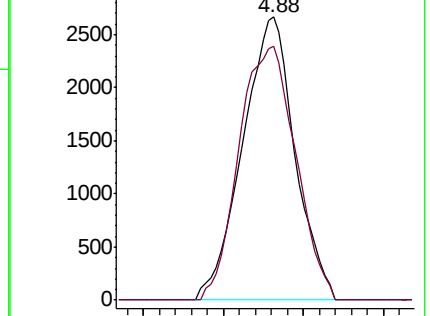
117 100

119 97.3 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: 0.600 ug/L

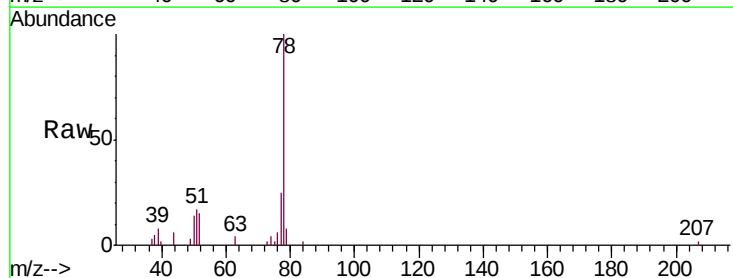
RT: 5.15 min Scan# 1263

Delta R.T. -0.00 min

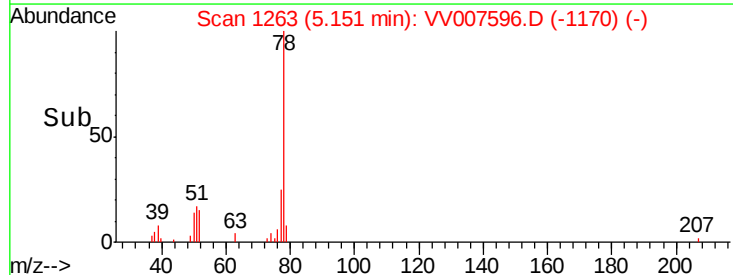
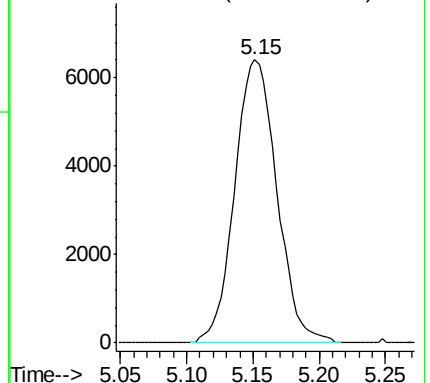
Lab File: VV007596.D

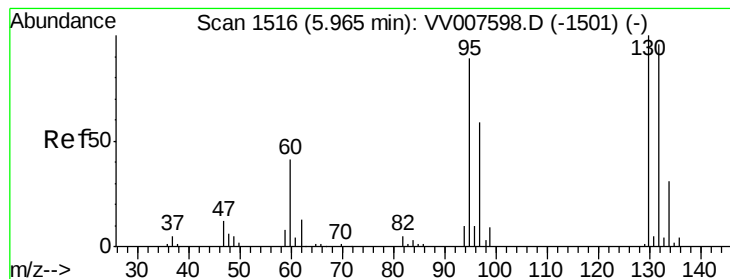
Acq: 18 Sep 2018 11:02

Tgt Ion: 78 Resp: 14202



Abundance Ion 78.10 (77.80 to 78.80): VV0





#34

Trichloroethene

Concen: 0.728 ug/L

RT: 5.96 min Scan# 1516

Delta R.T. -0.00 min

Lab File: VV007596.D

Acq: 18 Sep 2018 11:02

Instrument :

MSVOA_V

ClientSampleId :

VSTD0.565

Tgt Ion: 95 Resp: 5330

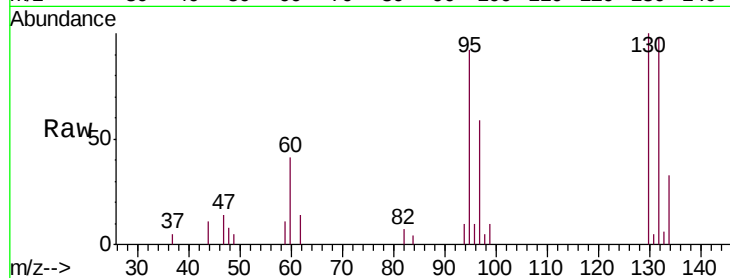
Ion Ratio Lower Upper

95 100

97 63.7 46.5 86.5

132 106.5 75.5 140.3

130 108.8 78.8 146.4

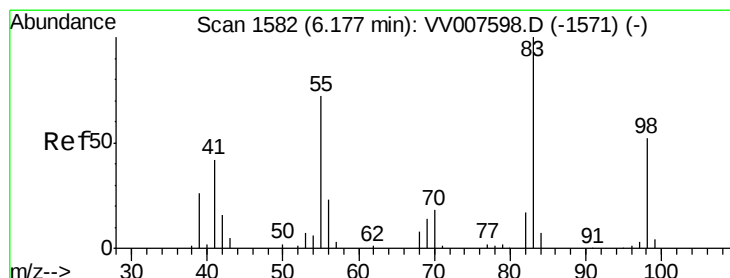
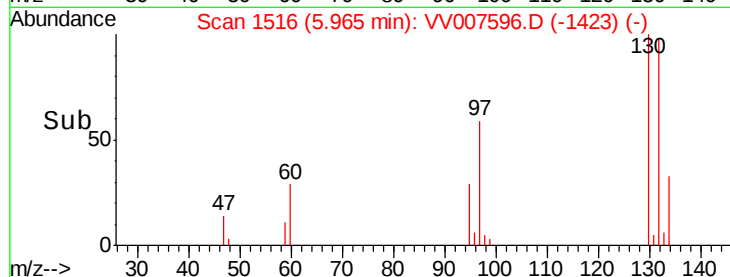
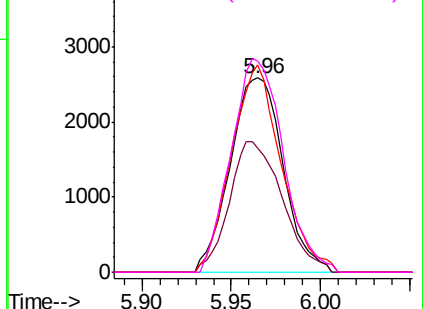


Abundance Ion 95.00 (94.70 to 95.70): VV0

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: 0.615 ug/L

RT: 6.18 min Scan# 1582

Delta R.T. -0.00 min

Lab File: VV007596.D

Acq: 18 Sep 2018 11:02

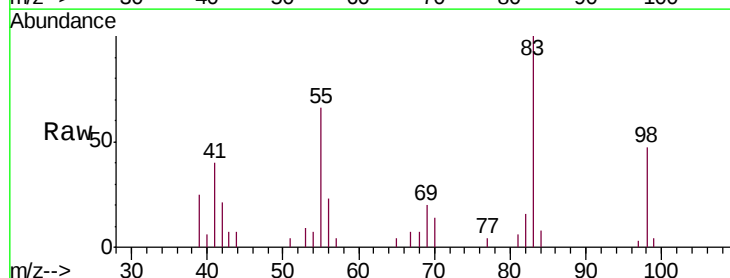
Tgt Ion: 83 Resp: 6901

Ion Ratio Lower Upper

83 100

55 69.4 54.6 82.0

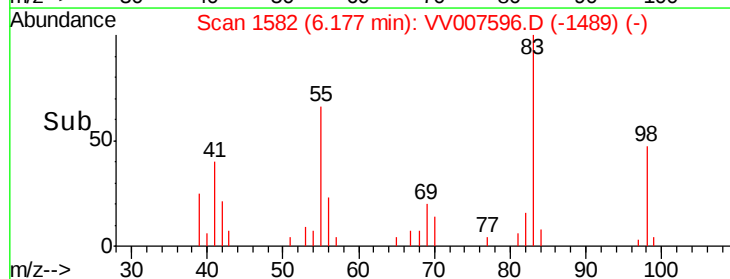
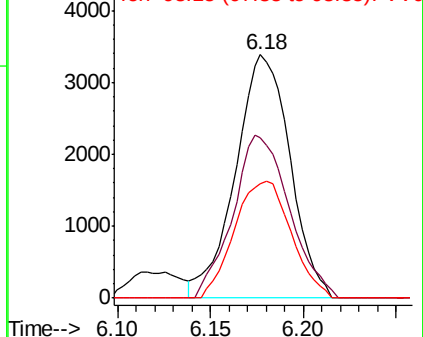
98 50.0 39.8 59.6

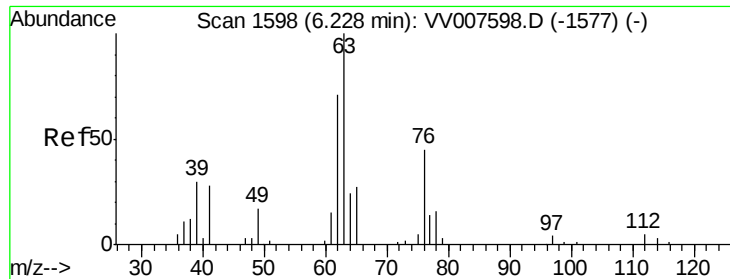


Abundance Ion 83.15 (82.85 to 83.85): VV0

Ion 55.10 (54.80 to 55.80): VV0

Ion 98.15 (97.85 to 98.85): VV0

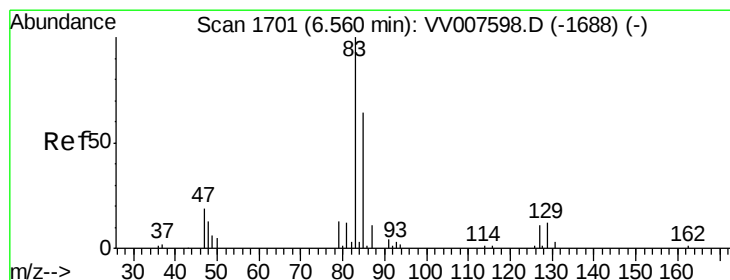
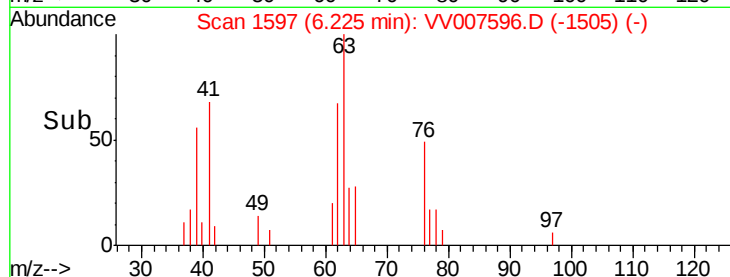
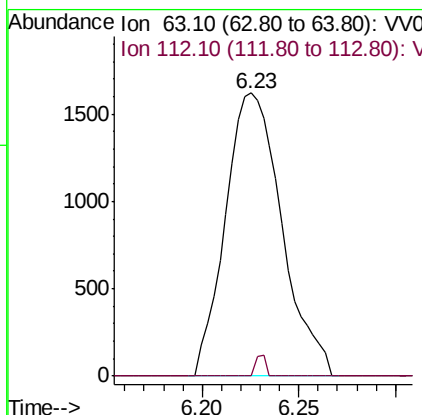
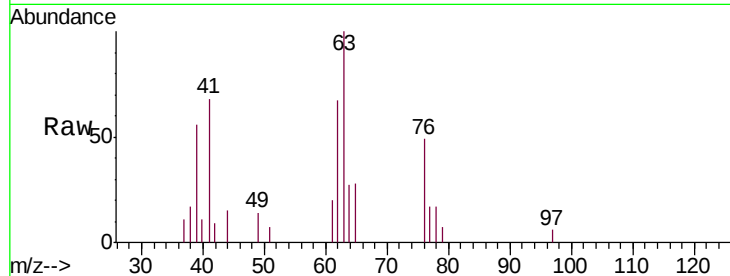




#37
 1,2-Dichloropropane
 Concen: 0.568 ug/L
 RT: 6.23 min Scan# 1597
 Delta R.T. -0.00 min
 Lab File: VV007596.D
 Acq: 18 Sep 2018 11:02

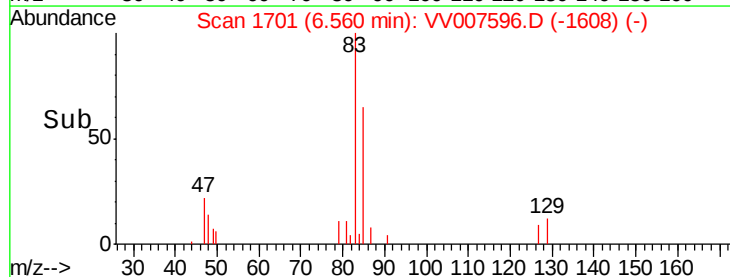
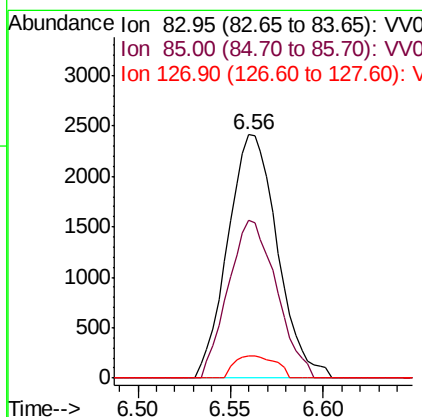
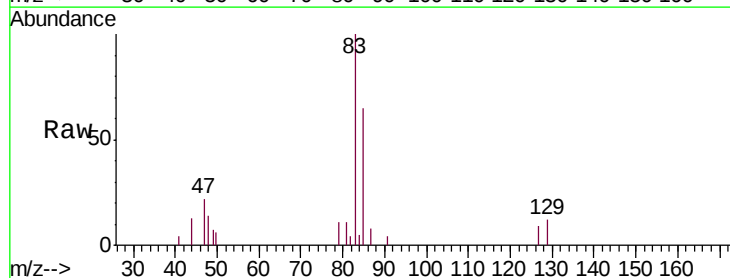
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD0.565

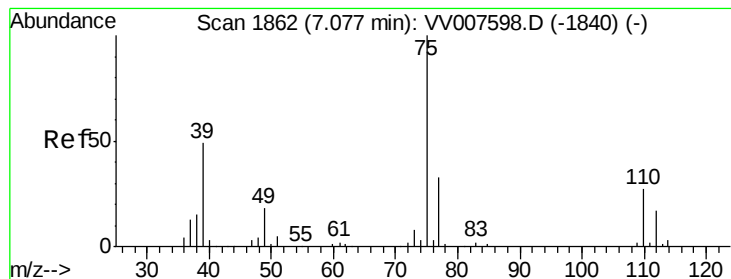
Tgt Ion: 63 Resp: 3284
 Ion Ratio Lower Upper
 63 100
 112 1.4 3.8 5.6#



#38
 Bromodichloromethane
 Concen: 0.539 ug/L
 RT: 6.56 min Scan# 1701
 Delta R.T. -0.00 min
 Lab File: VV007596.D
 Acq: 18 Sep 2018 11:02

Tgt Ion: 83 Resp: 4489
 Ion Ratio Lower Upper
 83 100
 85 65.0 44.7 83.1
 127 8.9 8.6 12.8



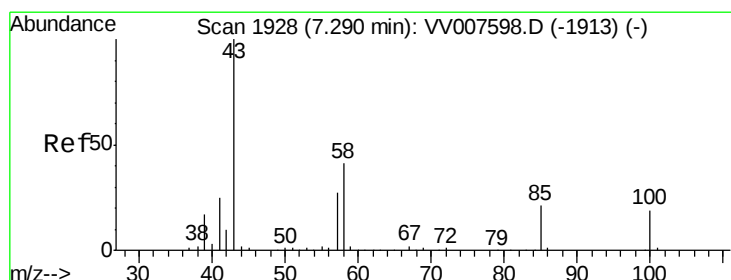
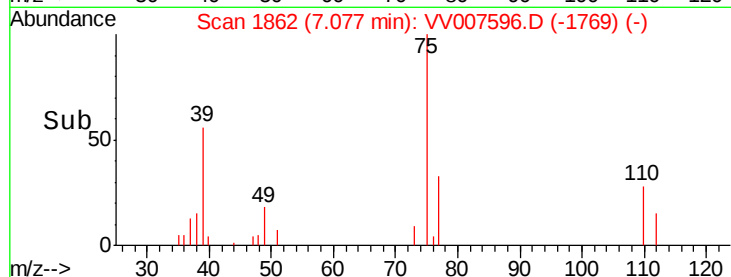
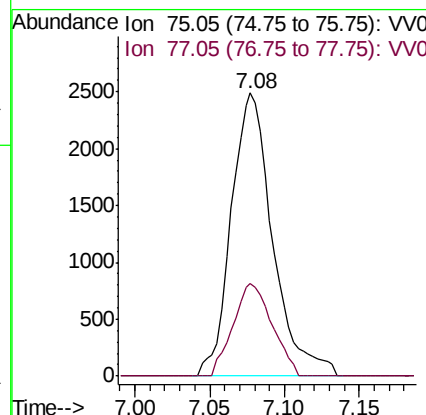
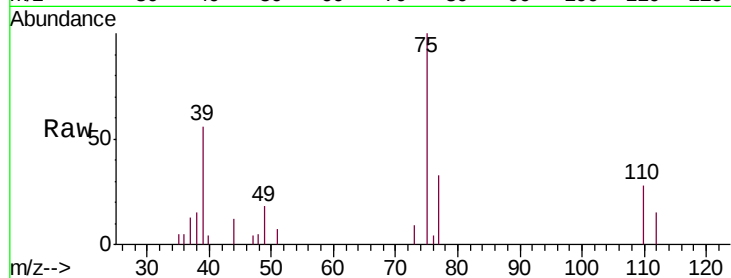


#39

cis-1,3-Dichloropropene
 Concen: 0.524 ug/L
 RT: 7.08 min Scan# 1862
 Delta R.T. -0.00 min
 Lab File: VV007596.D
 Acq: 18 Sep 2018 11:02

Instrument :
 MSVOA_V
 ClientSampled :
 VSTD0.565

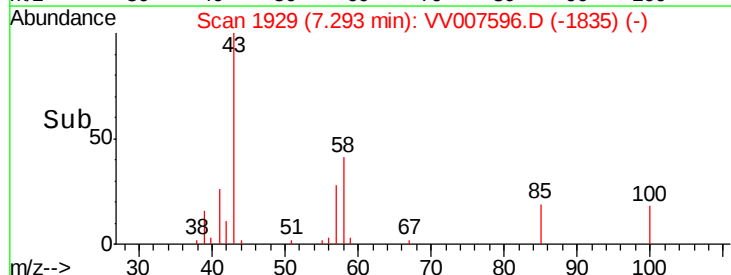
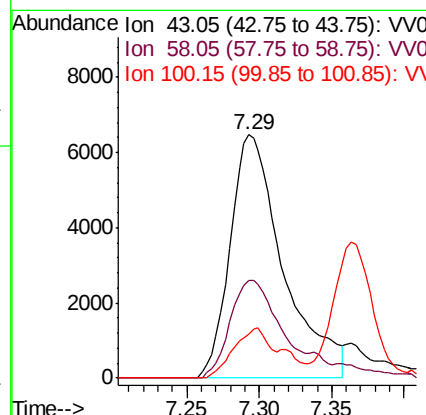
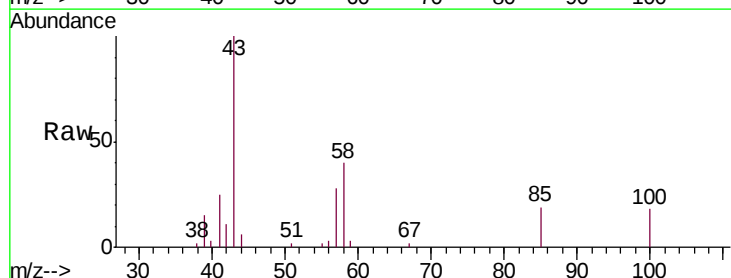
Tgt Ion: 75 Resp: 4799
 Ion Ratio Lower Upper
 75 100
 77 32.7 23.0 42.8

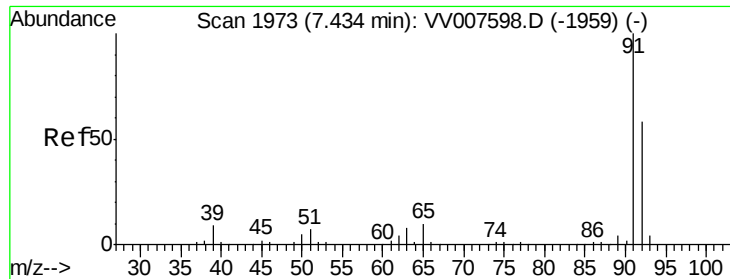


#40

4-Methyl-2-pentanone
 Concen: 5.218 ug/L
 RT: 7.29 min Scan# 1929
 Delta R.T. 0.00 min
 Lab File: VV007596.D
 Acq: 18 Sep 2018 11:02

Tgt Ion: 43 Resp: 16502
 Ion Ratio Lower Upper
 43 100
 58 40.5 32.6 49.0
 100 13.9 13.1 19.7





#42

Toluene

Concen: 0.582 ug/L

RT: 7.43 min Scan# 1973

Delta R.T. -0.00 min

Lab File: VV007596.D

Acq: 18 Sep 2018 11:02

Instrument :

MSVOA_V

ClientSampleId :

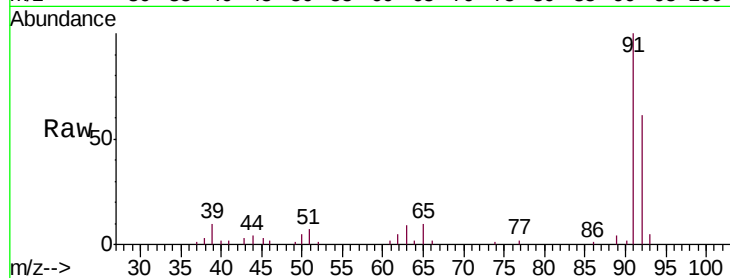
VSTD0.565

Tgt Ion: 91 Resp: 15887

Ion Ratio Lower Upper

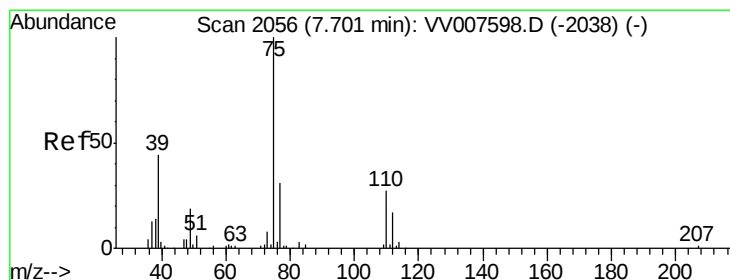
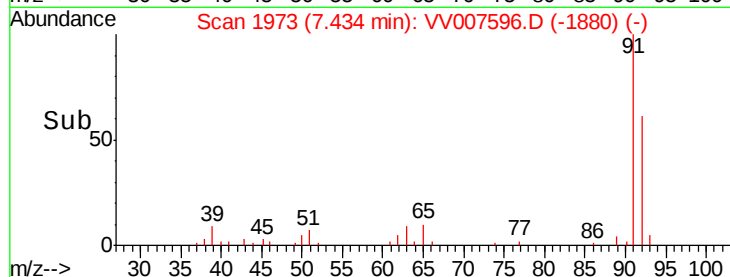
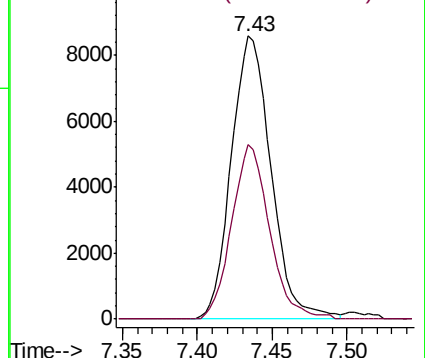
91 100

92 61.5 40.3 74.9



Abundance Ion 91.15 (90.85 to 91.85): VV0

Ion 92.15 (91.85 to 92.85): VV0



#44

trans-1,3-Dichloropropene

Concen: 0.490 ug/L

RT: 7.70 min Scan# 2056

Delta R.T. -0.00 min

Lab File: VV007596.D

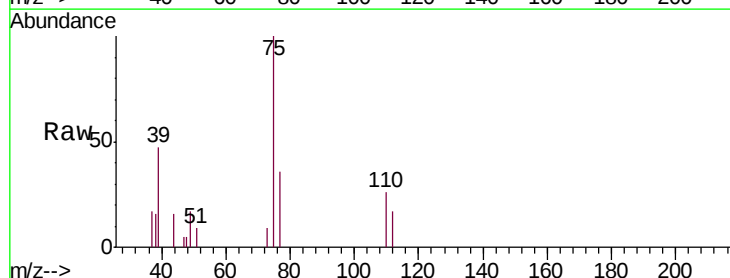
Acq: 18 Sep 2018 11:02

Tgt Ion: 75 Resp: 3687

Ion Ratio Lower Upper

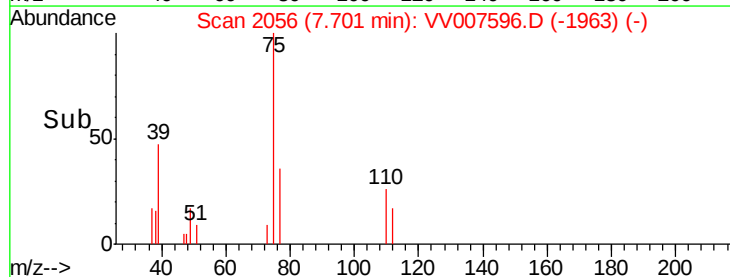
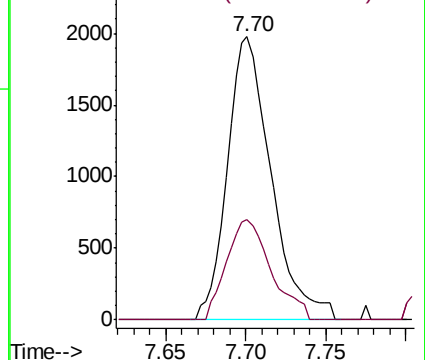
75 100

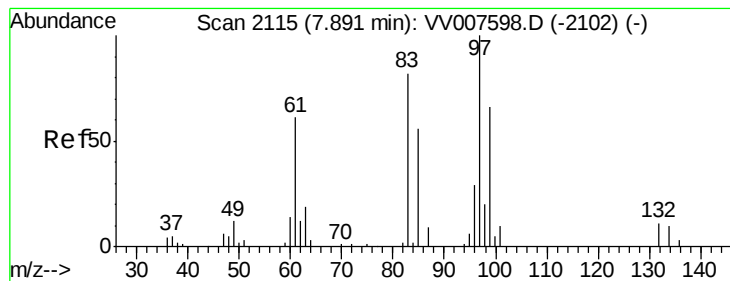
77 35.6 21.3 39.6



Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 77.05 (76.75 to 77.75): VV0





#45

1,1,2-Trichloroethane

Concen: 0.543 ug/L

RT: 7.89 min Scan# 2115

Delta R.T. -0.00 min

Lab File: VV007596.D

Acq: 18 Sep 2018 11:02

Instrument :

MSVOA_V

ClientSampleId :

VSTD0.565

Tgt Ion: 97 Resp: 2355

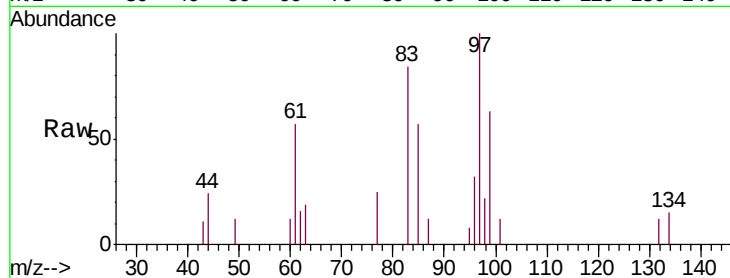
Ion Ratio Lower Upper

97 100

99 63.1 45.9 85.3

83 83.8 57.2 106.2

85 57.3 38.9 72.3

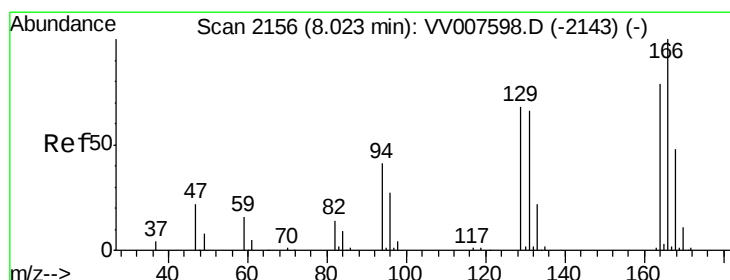
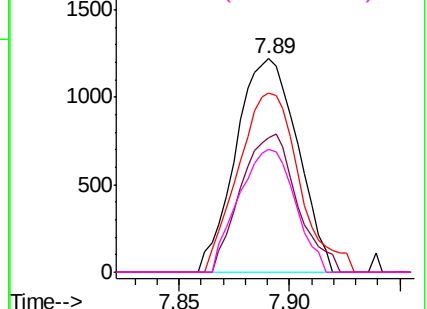
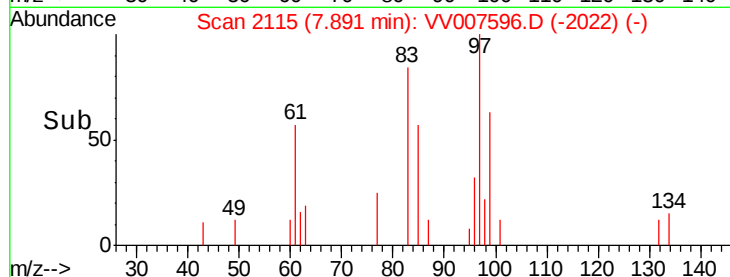


Abundance Ion 96.95 (96.65 to 97.65): VV007596.D (-2022) (-)

Ion 99.05 (98.75 to 99.75): VV007596.D (-2022) (-)

Ion 82.95 (82.65 to 83.65): VV007596.D (-2022) (-)

Ion 85.00 (84.70 to 85.70): VV007596.D (-2022) (-)



#47

Tetrachloroethene

Concen: 0.640 ug/L

RT: 8.02 min Scan# 2156

Delta R.T. -0.00 min

Lab File: VV007596.D

Acq: 18 Sep 2018 11:02

Tgt Ion: 164 Resp: 4218

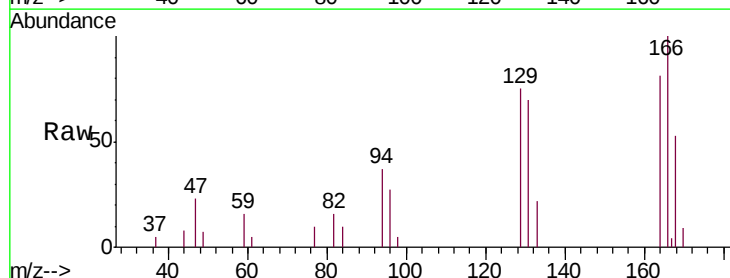
Ion Ratio Lower Upper

164 100

129 92.3 60.0 111.4

131 86.5 58.8 109.2

166 123.2 88.5 164.4

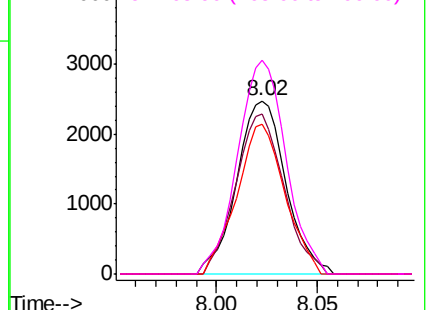
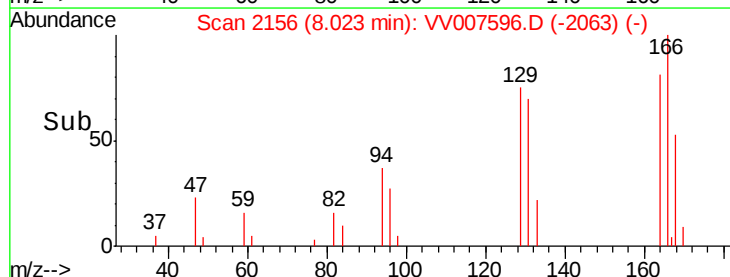


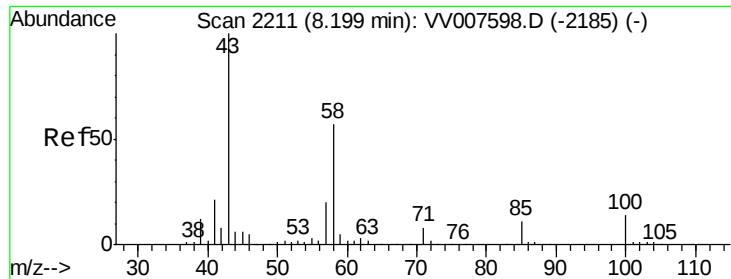
Abundance Ion 163.90 (163.60 to 164.60): VV007596.D (-2063) (-)

Ion 128.95 (128.65 to 129.65): VV007596.D (-2063) (-)

Ion 130.95 (130.65 to 131.65): VV007596.D (-2063) (-)

Ion 165.90 (165.60 to 166.60): VV007596.D (-2063) (-)

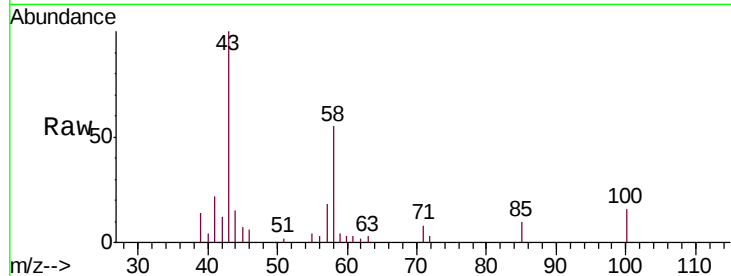




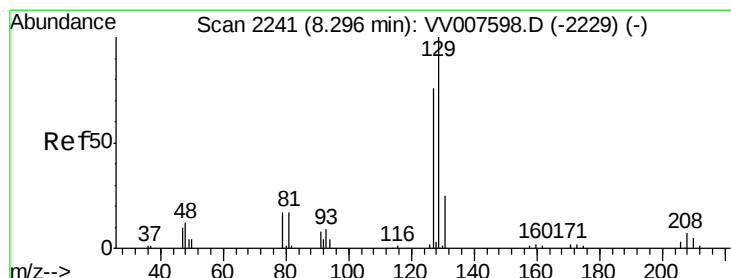
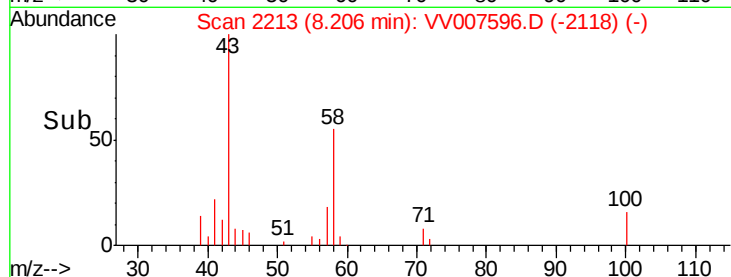
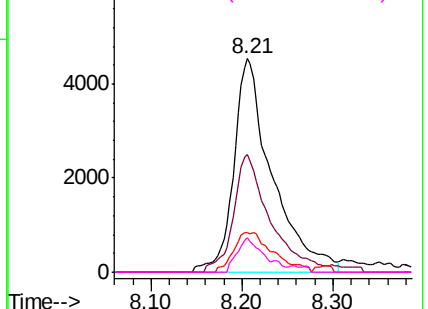
#48
2-Hexanone
Concen: 5.449 ug/L
RT: 8.21 min Scan# 2213
Delta R.T. 0.01 min
Lab File: VV007596.D
Acq: 18 Sep 2018 11:02

Instrument :
MSVOA_V
ClientSampleId :
VSTD0.565

Tgt Ion: 43 Resp: 13320
Ion Ratio Lower Upper
43 100
58 52.1 45.5 68.3
57 19.1 16.3 24.5
100 11.4 10.7 16.1

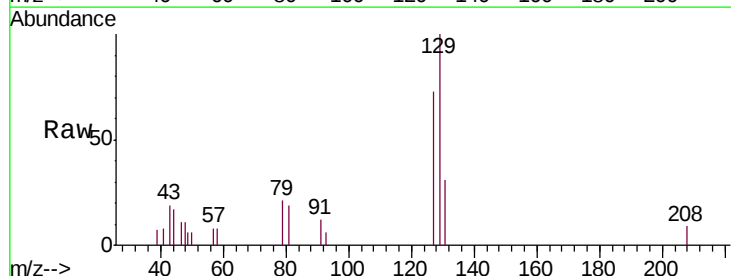


Abundance Ion 43.05 (42.75 to 43.75): VV0
Ion 58.05 (57.75 to 58.75): VV0
Ion 57.20 (56.90 to 57.90): VV0
Ion 100.15 (99.85 to 100.85): VV0

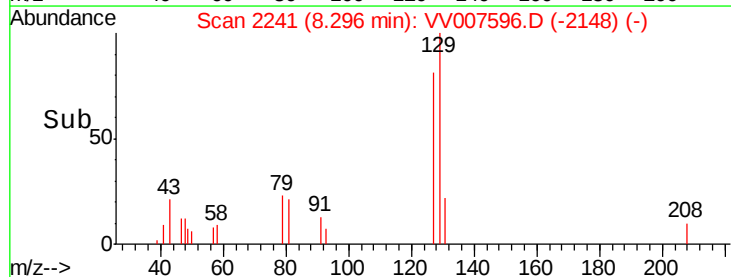
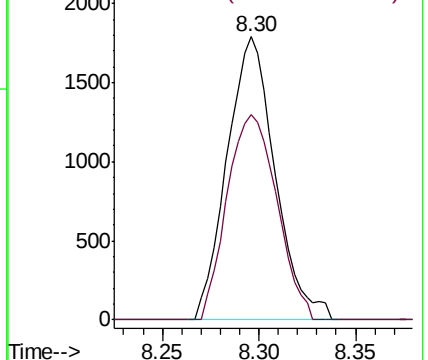


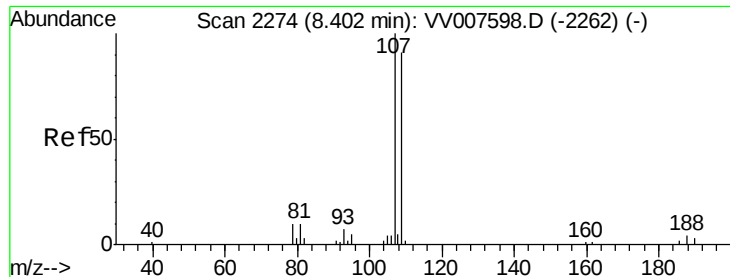
#49
Dibromochloromethane
Concen: 0.508 ug/L
RT: 8.30 min Scan# 2241
Delta R.T. -0.00 min
Lab File: VV007596.D
Acq: 18 Sep 2018 11:02

Tgt Ion: 129 Resp: 3097
Ion Ratio Lower Upper
129 100
127 72.6 53.3 98.9



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

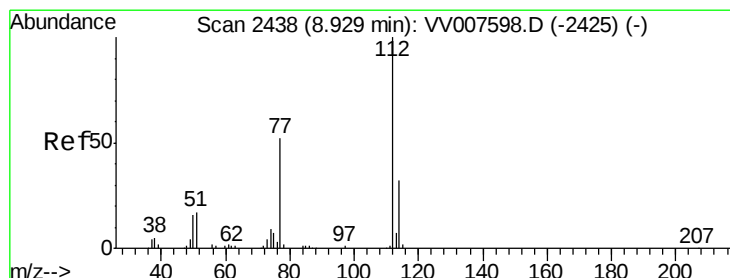
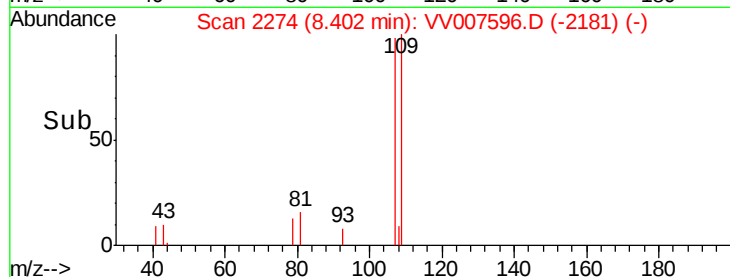
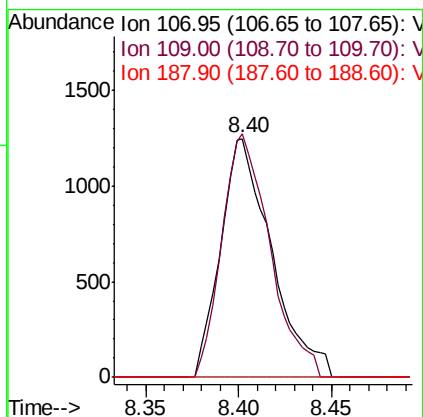
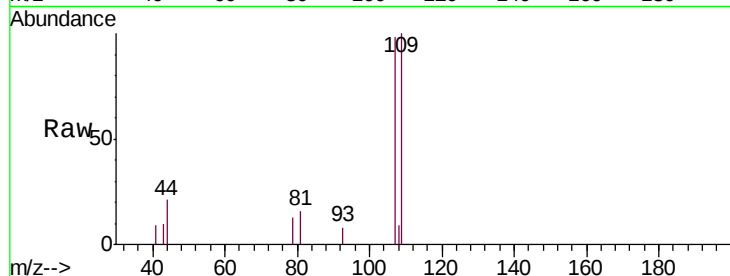




#50
1,2-Dibromoethane
Concen: 0.566 ug/L
RT: 8.40 min Scan# 2274
Delta R.T. -0.00 min
Lab File: VV007596.D
Acq: 18 Sep 2018 11:02

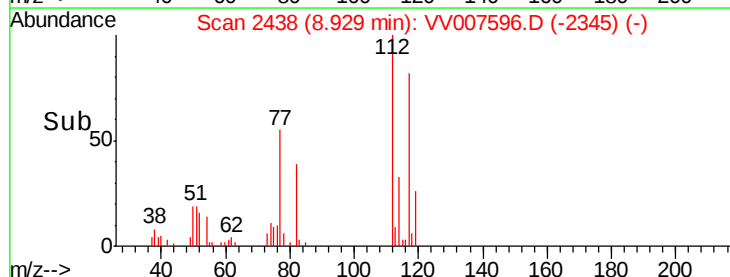
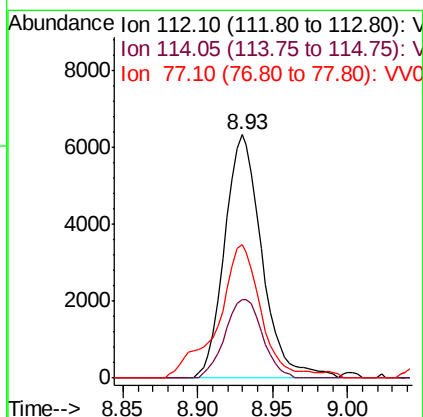
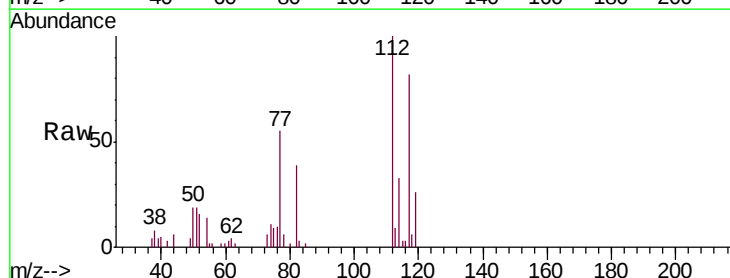
Instrument :
MSVOA_V
ClientSampleId :
VSTD0.565

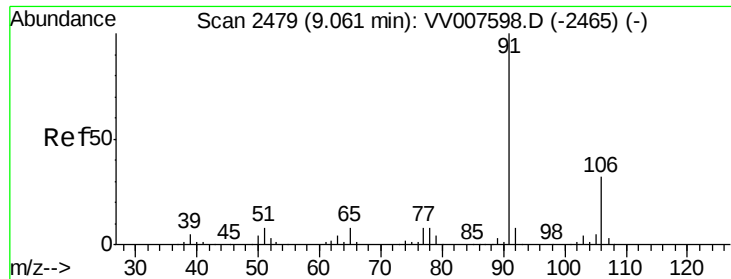
Tgt Ion:107 Resp: 2384
Ion Ratio Lower Upper
107 100
109 101.8 63.8 118.6
188 0.0 3.6 5.4#



#51
Chlorobenzene
Concen: 0.596 ug/L
RT: 8.93 min Scan# 2438
Delta R.T. -0.00 min
Lab File: VV007596.D
Acq: 18 Sep 2018 11:02

Tgt Ion:112 Resp: 10978
Ion Ratio Lower Upper
112 100
114 32.5 22.3 41.5
77 54.9 42.0 63.0





#52

Ethylbenzene

Concen: 0.584 ug/L

RT: 9.06 min Scan# 2479

Delta R.T. -0.00 min

Lab File: VV007596.D

Acq: 18 Sep 2018 11:02

Instrument :

MSVOA_V

ClientSampleId :

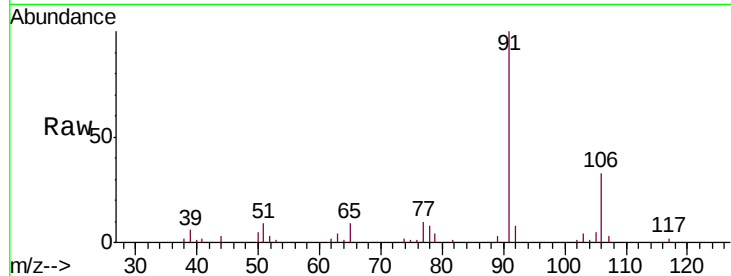
VSTD0.565

Tgt Ion: 91 Resp: 17885

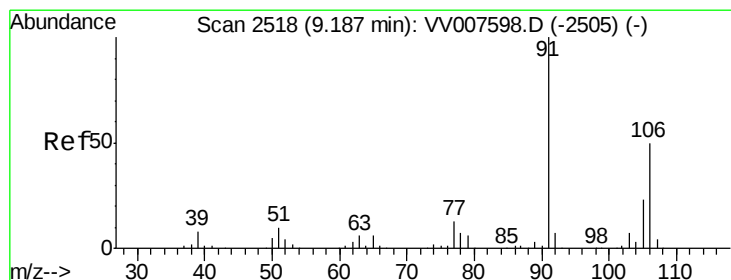
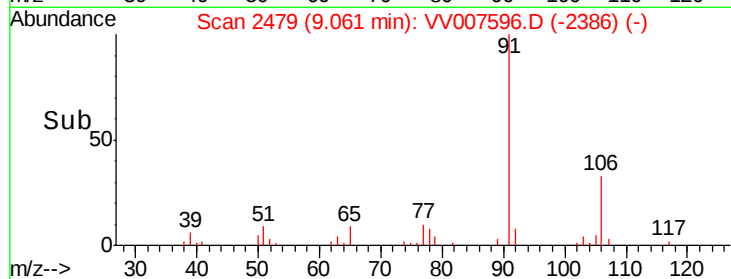
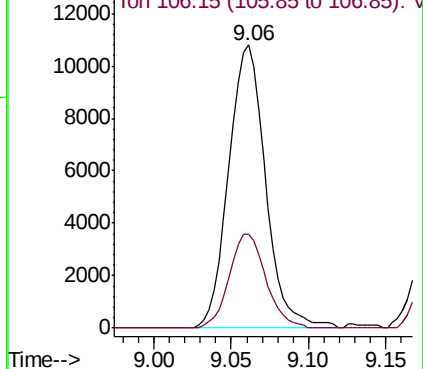
Ion Ratio Lower Upper

91 100

106 33.4 22.5 41.9



Abundance Ion 91.15 (90.85 to 91.85): VV007596.D (-2386) (-)



#53

m,p-xylene

Concen: 0.595 ug/L

RT: 9.19 min Scan# 2519

Delta R.T. 0.00 min

Lab File: VV007596.D

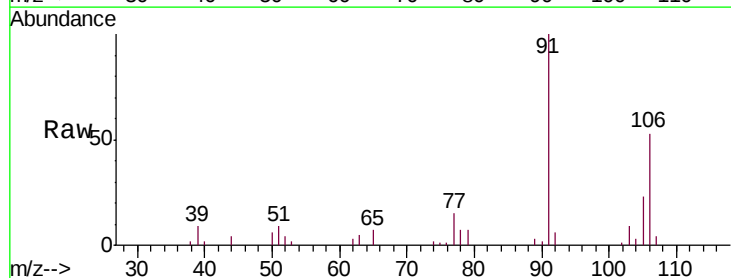
Acq: 18 Sep 2018 11:02

Tgt Ion: 106 Resp: 7070

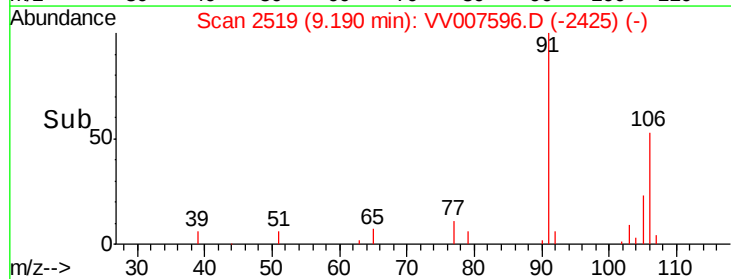
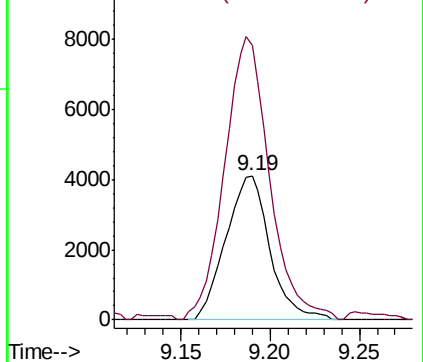
Ion Ratio Lower Upper

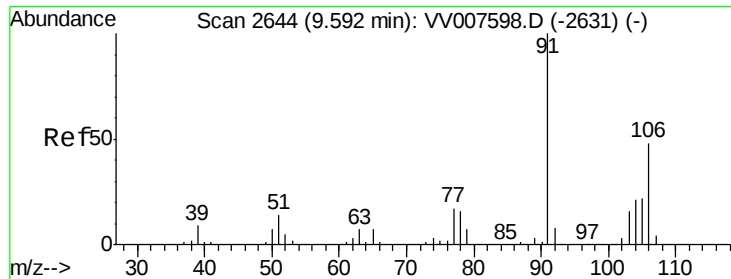
106 100

91 190.0 139.4 258.8



Abundance Ion 106.15 (105.85 to 106.85): VV007596.D (-2425) (-)

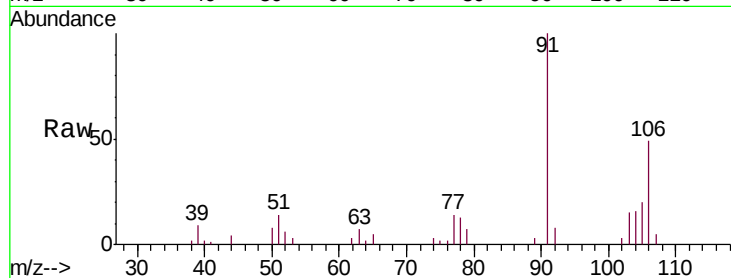




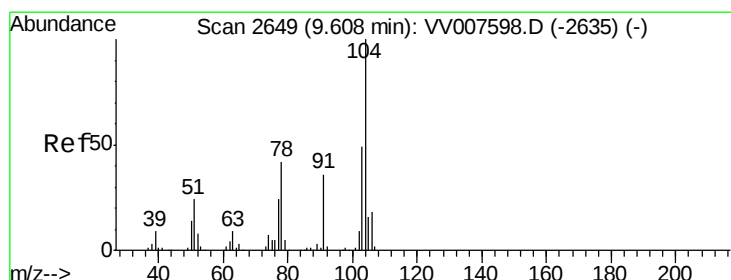
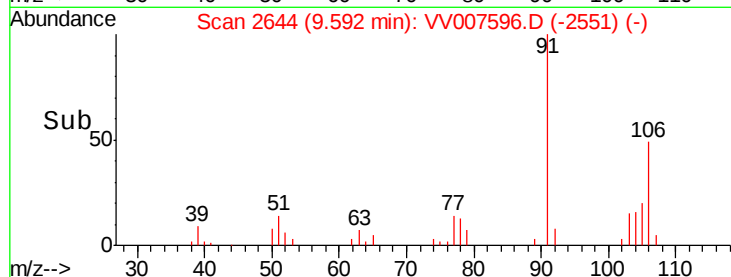
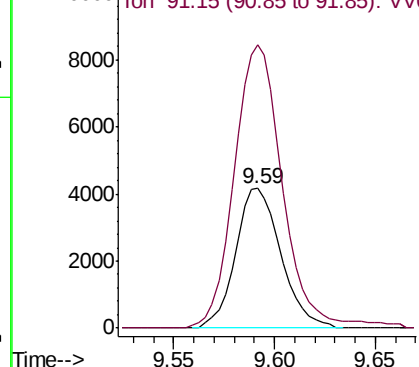
#54
o-xylene
Concen: 0.566 ug/L
RT: 9.59 min Scan# 2644
Delta R.T. -0.00 min
Lab File: VV007596.D
Acq: 18 Sep 2018 11:02

Instrument :
MSVOA_V
ClientSampleId :
VSTD0.565

Tgt Ion:106 Resp: 6567
Ion Ratio Lower Upper
106 100
91 202.7 145.9 271.1

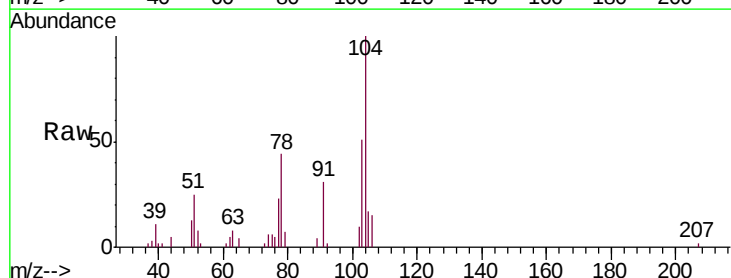


Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VV0

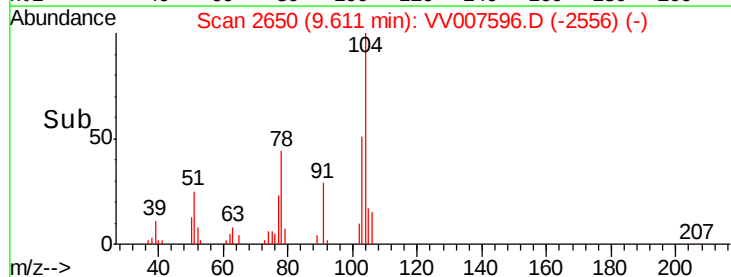
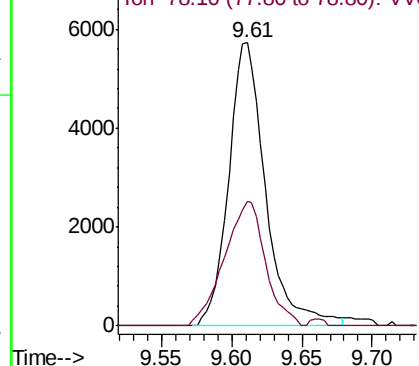


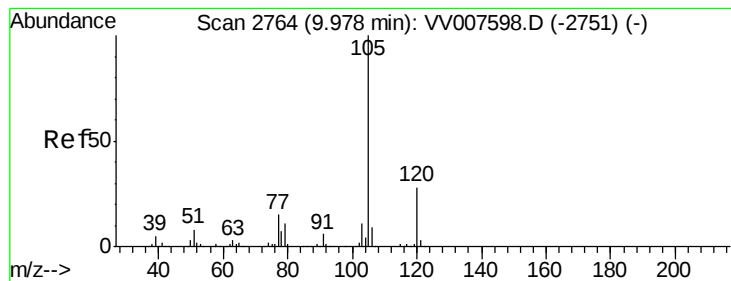
#55
Styrene
Concen: 0.553 ug/L
RT: 9.61 min Scan# 2650
Delta R.T. 0.00 min
Lab File: VV007596.D
Acq: 18 Sep 2018 11:02

Tgt Ion:104 Resp: 10495
Ion Ratio Lower Upper
104 100
78 43.9 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: 0.571 ug/L

RT: 9.98 min Scan# 2765

Delta R.T. 0.00 min

Lab File: VV007596.D

Acq: 18 Sep 2018 11:02

Instrument :

MSVOA_V

ClientSampleId :

VSTD0.565

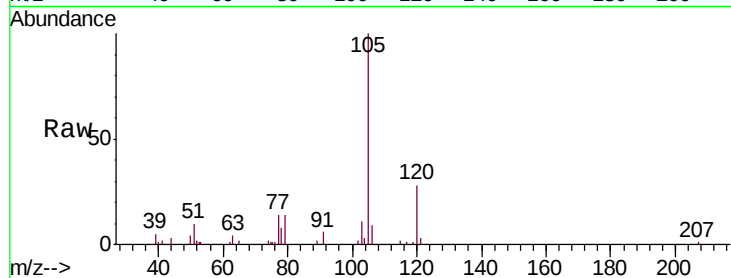
Tgt Ion:105 Resp: 18088

Ion Ratio Lower Upper

105 100

120 26.1 22.1 33.1

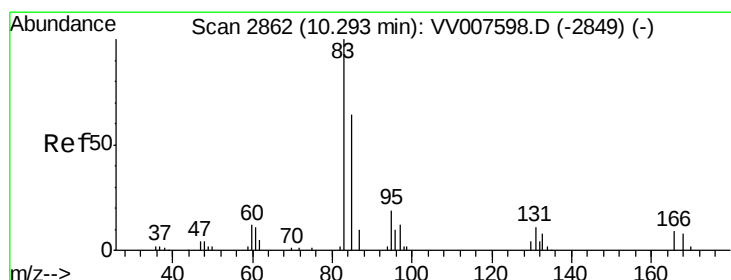
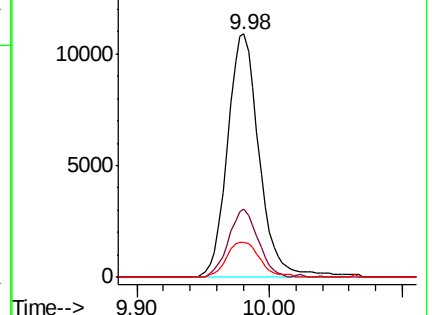
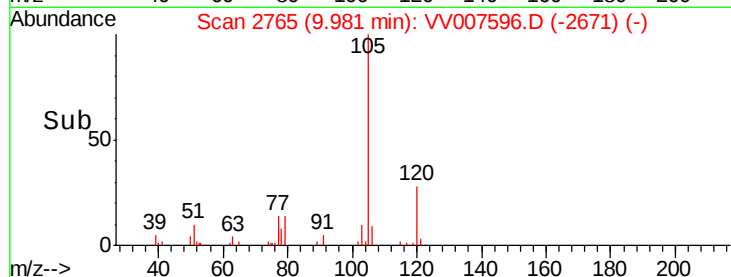
77 15.1 12.0 18.0



Abundance Ion 105.05 (104.75 to 105.75): VV007598.D (-2751) (-)

Ion 120.10 (119.80 to 120.80): VV007598.D (-2751) (-)

Ion 77.10 (76.80 to 77.80): VV007598.D (-2751) (-)



#58

1,1,2,2-Tetrachloroethane

Concen: 0.474 ug/L

RT: 10.29 min Scan# 2861

Delta R.T. -0.00 min

Lab File: VV007596.D

Acq: 18 Sep 2018 11:02

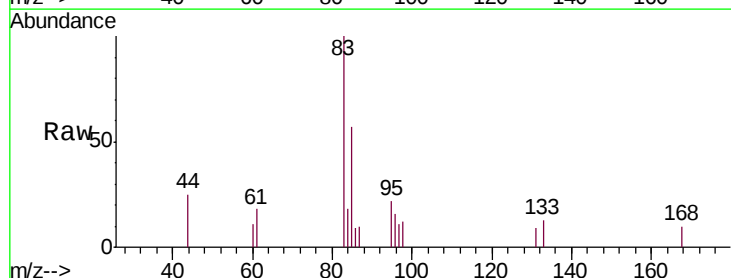
Tgt Ion: 83 Resp: 1975

Ion Ratio Lower Upper

83 100

85 57.2 44.9 83.5

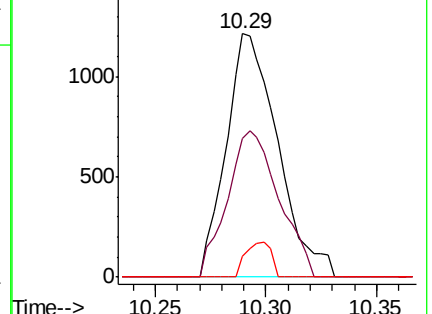
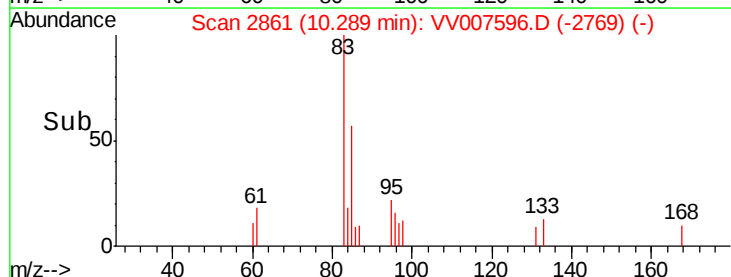
131 8.8 9.0 13.6#

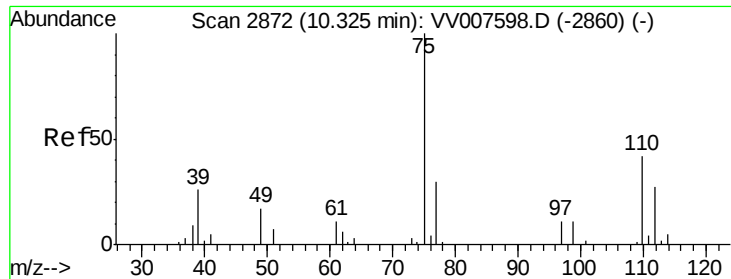


Abundance Ion 82.95 (82.65 to 83.65): VV007598.D (-2849) (-)

Ion 85.00 (84.70 to 85.70): VV007598.D (-2849) (-)

Ion 130.95 (130.65 to 131.65): VV007598.D (-2849) (-)

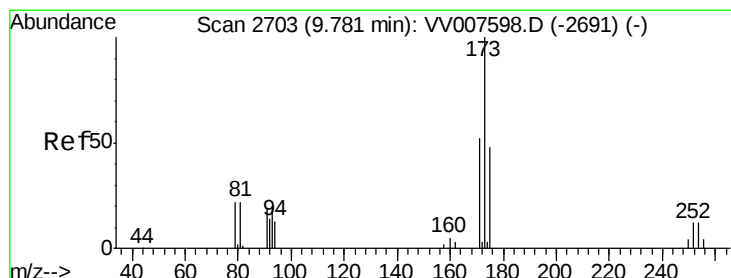
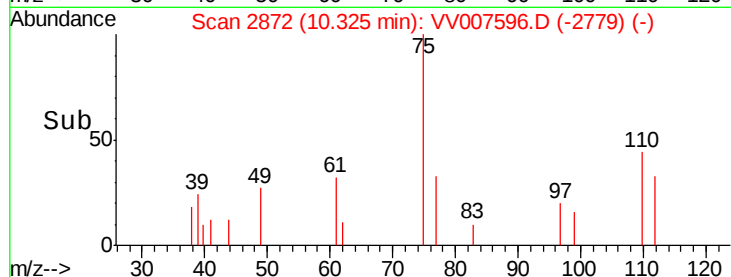
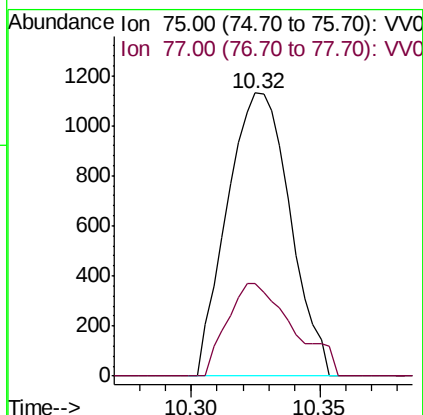
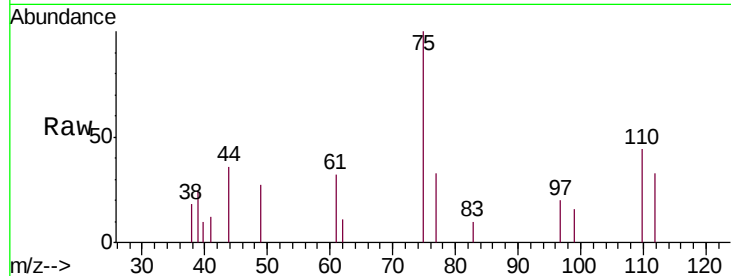




#59
 1,2,3-Trichloropropane
 Concen: 0.543 ug/L
 RT: 10.32 min Scan# 2872
 Delta R.T. -0.00 min
 Lab File: VV007596.D
 Acq: 18 Sep 2018 11:02

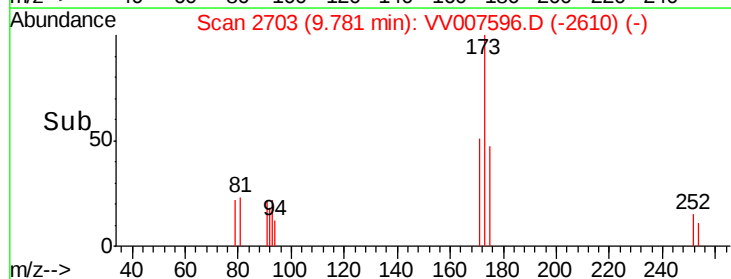
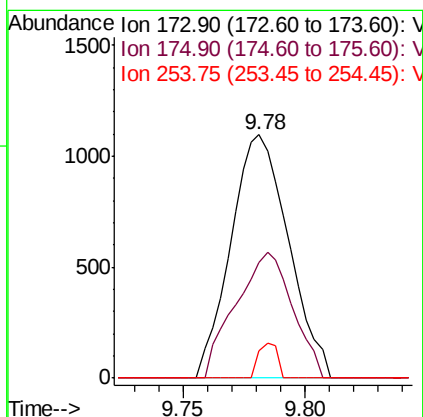
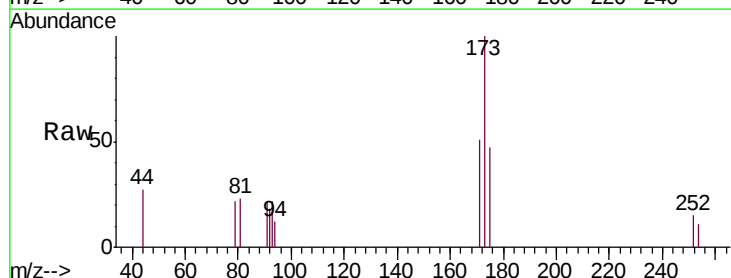
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD0.565

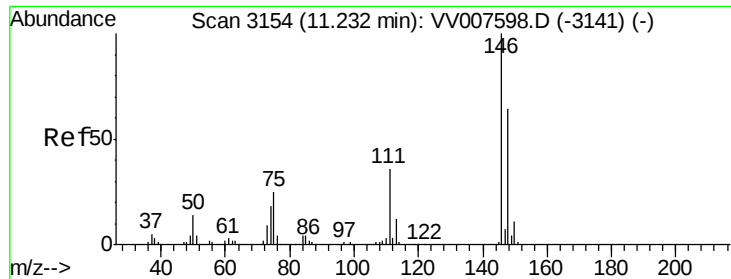
Tgt Ion: 75 Resp: 1922
 Ion Ratio Lower Upper
 75 100
 77 34.1 25.0 37.4



#61
 Bromoform
 Concen: 0.514 ug/L
 RT: 9.78 min Scan# 2703
 Delta R.T. -0.00 min
 Lab File: VV007596.D
 Acq: 18 Sep 2018 11:02

Tgt Ion: 173 Resp: 1794
 Ion Ratio Lower Upper
 173 100
 175 51.2 38.2 57.4
 254 4.6 8.9 13.3#

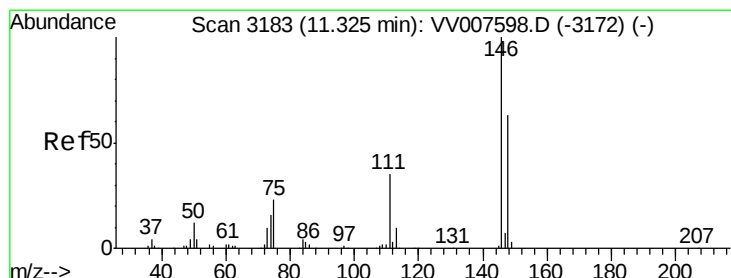
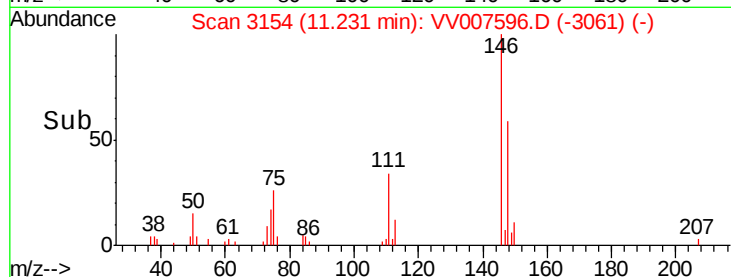
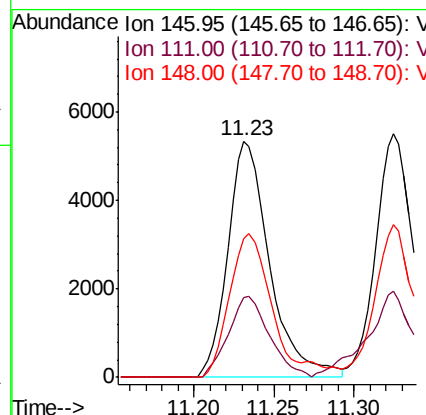
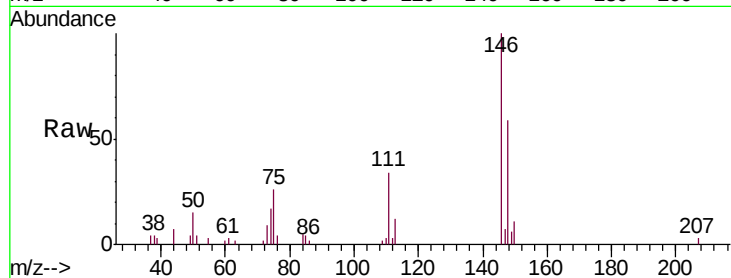




#62
 1,3-Dichlorobenzene
 Concen: 0.619 ug/L
 RT: 11.23 min Scan# 3154
 Delta R.T. -0.00 min
 Lab File: VV007596.D
 Acq: 18 Sep 2018 11:02

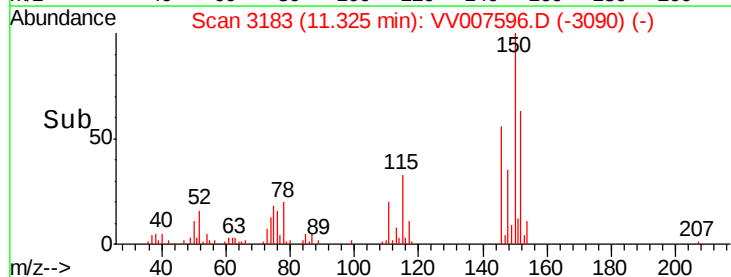
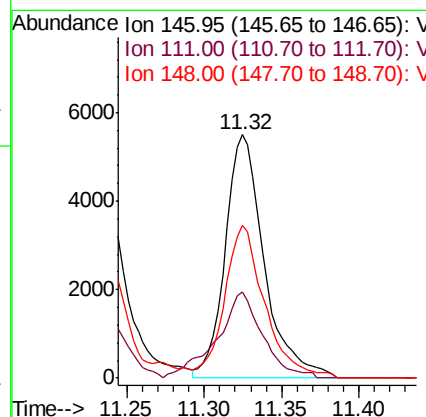
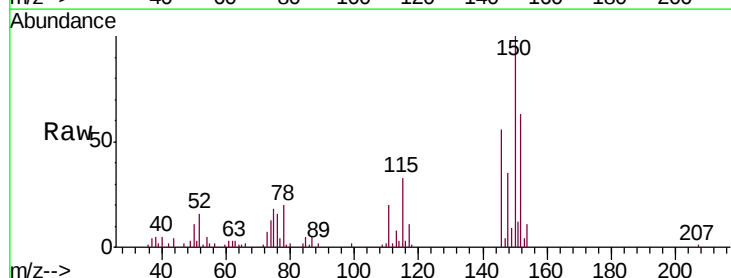
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD0.565

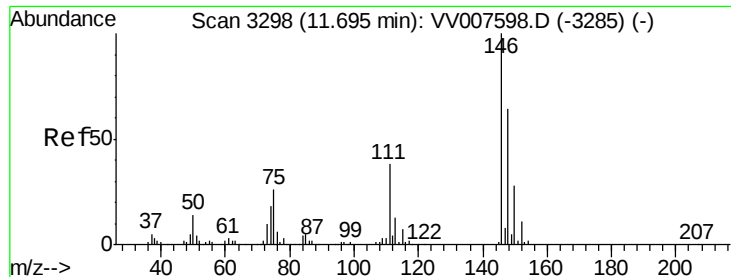
Tgt Ion:146 Resp: 9527
 Ion Ratio Lower Upper
 146 100
 111 34.0 25.0 46.4
 148 58.9 44.6 82.8



#63
 1,4-Dichlorobenzene
 Concen: 0.627 ug/L
 RT: 11.32 min Scan# 3183
 Delta R.T. -0.00 min
 Lab File: VV007596.D
 Acq: 18 Sep 2018 11:02

Tgt Ion:146 Resp: 9620
 Ion Ratio Lower Upper
 146 100
 111 35.2 24.5 45.5
 148 62.8 44.0 81.8





#65

1,2-Dichlorobenzene

Concen: 0.591 ug/L

RT: 11.70 min Scan# 3299

Delta R.T. 0.00 min

Lab File: VV007596.D

Acq: 18 Sep 2018 11:02

Instrument :

MSVOA_V

ClientSampled :

VSTD0.565

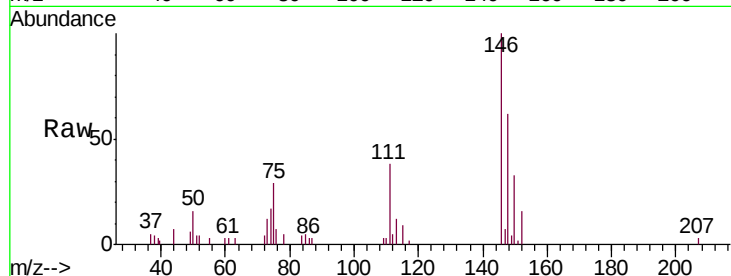
Tgt Ion:146 Resp: 8452

Ion Ratio Lower Upper

146 100

111 38.3 30.6 46.0

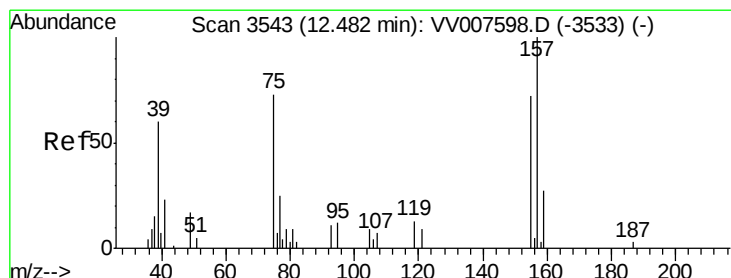
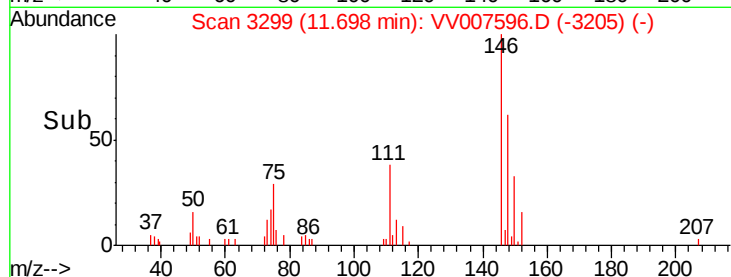
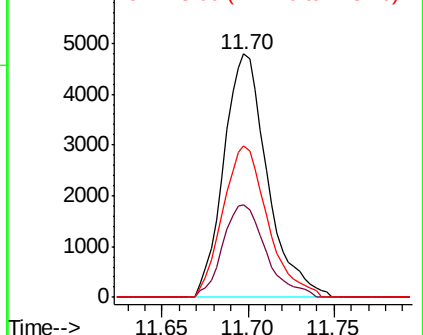
148 62.3 51.3 76.9



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: 0.355 ug/L

RT: 12.49 min Scan# 3545

Delta R.T. 0.01 min

Lab File: VV007596.D

Acq: 18 Sep 2018 11:02

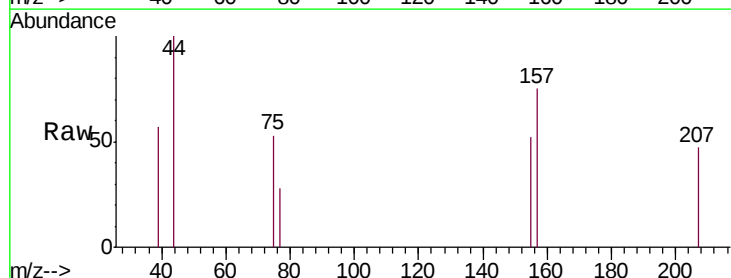
Tgt Ion: 75 Resp: 249

Ion Ratio Lower Upper

75 100

155 98.5 79.1 118.7

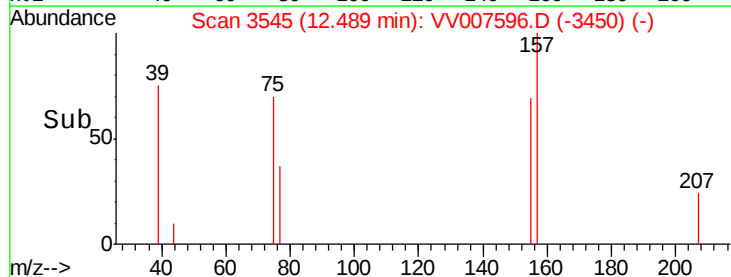
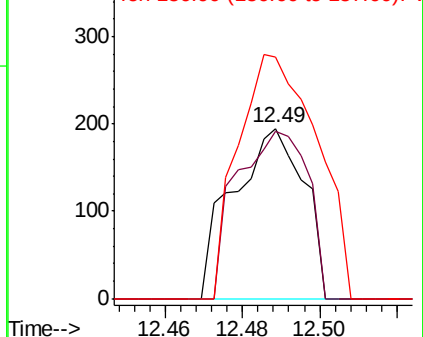
157 142.1 109.8 164.6

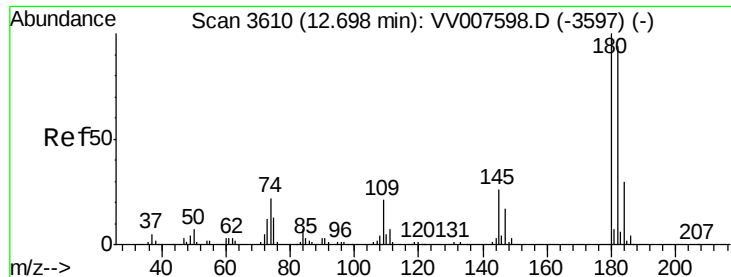


Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V

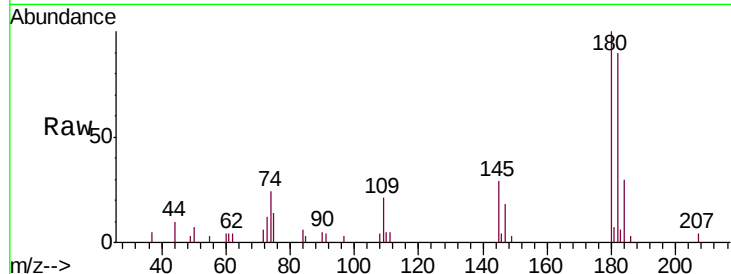




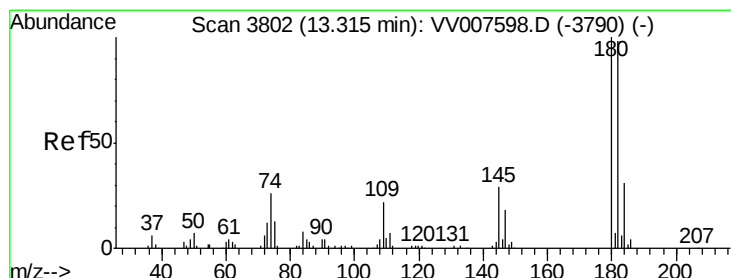
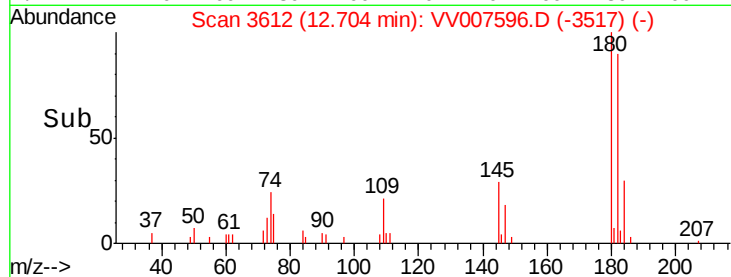
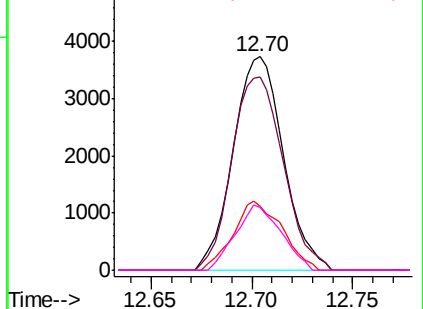
#67
 1,3,5-Trichlorobenzene
 Concen: 0.539 ug/L
 RT: 12.70 min Scan# 3612
 Delta R.T. 0.01 min
 Lab File: VV007596.D
 Acq: 18 Sep 2018 11:02

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD0.565

Tgt Ion:180 Resp: 6510
 Ion Ratio Lower Upper
 180 100
 182 93.0 75.4 113.2
 184 31.3 24.6 36.8
 145 27.6 21.4 32.0

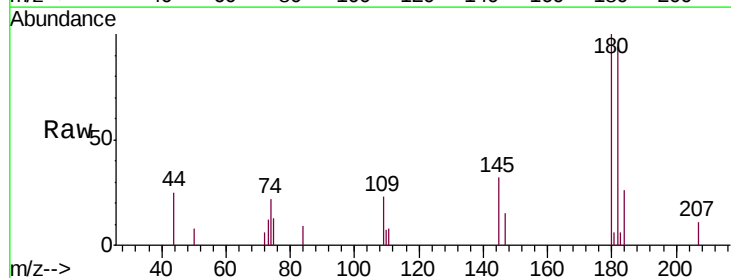


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

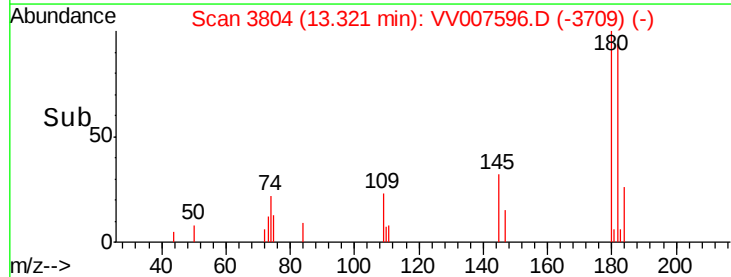
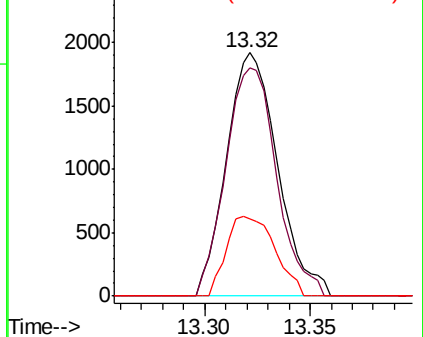


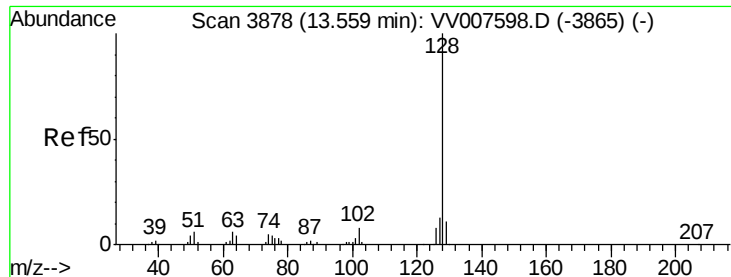
#68
 1,2,4-trichlorobenzene
 Concen: 0.376 ug/L
 RT: 13.32 min Scan# 3804
 Delta R.T. 0.01 min
 Lab File: VV007596.D
 Acq: 18 Sep 2018 11:02

Tgt Ion:180 Resp: 3239
 Ion Ratio Lower Upper
 180 100
 182 93.1 77.9 116.9
 145 30.9 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: 0.290 ug/L

RT: 13.57 min Scan# 3880

Delta R.T. 0.01 min

Lab File: VV007596.D

Acq: 18 Sep 2018 11:02

Instrument :

MSVOA_V

ClientSampleId :

VSTD0.565

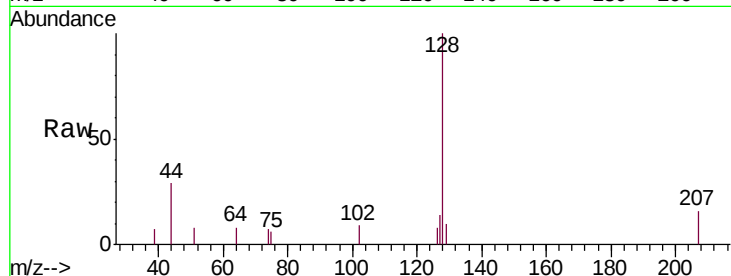
Tgt Ion:128 Resp: 2976

Ion Ratio Lower Upper

128 100

129 3.3 8.6 12.8#

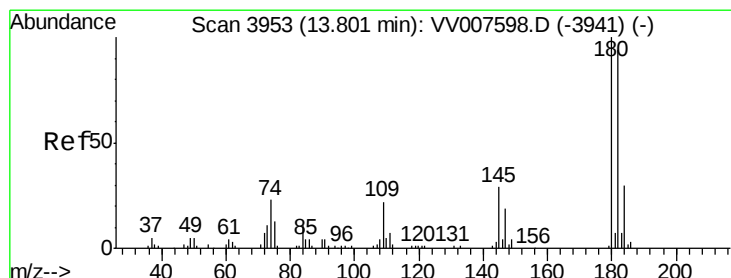
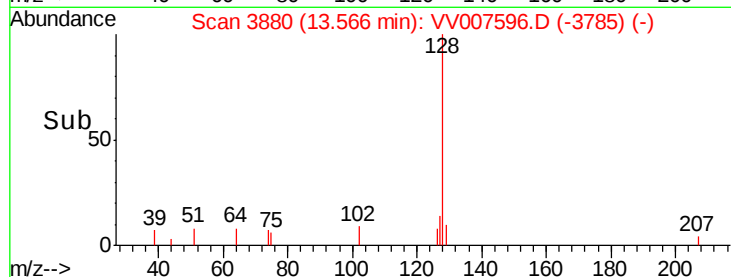
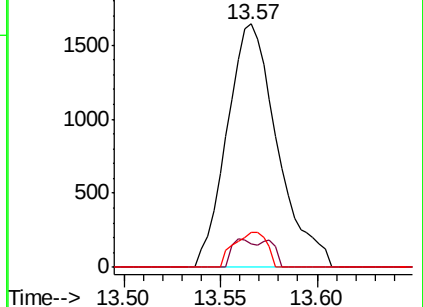
127 9.4 10.4 15.6#



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: 0.412 ug/L

RT: 13.80 min Scan# 3954

Delta R.T. 0.00 min

Lab File: VV007596.D

Acq: 18 Sep 2018 11:02

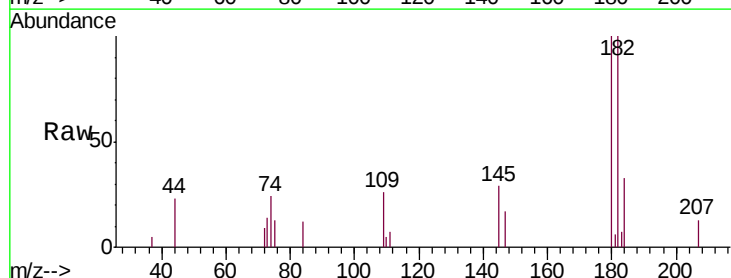
Tgt Ion:180 Resp: 3251

Ion Ratio Lower Upper

180 100

182 101.4 75.1 112.7

145 27.0 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

