

Data File : VV008860.D
Acq On : 06 Dec 2018 15:46
Operator : SY/MD
Sample : VSTD2.566
Misc : 5.00g/10.0 mL/MSVOA_V/SOIL
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VSTD2.566

Quant Time: Dec 07 00:34:45 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM120618S.M
Quant Title : VOC Analysis
QLast Update : Fri Dec 07 00:29:23 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	198339	25.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	163613	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	68690	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	4804	2.23	ug/L	0.00
7) Chloroethane-d5	1.58	69	3604	2.29	ug/L	0.00
10) 1,1-Dichloroethene-d2	2.13	63	13445	2.62	ug/L	0.00
20) 2-Butanone-d5	3.95	46	4058	6.33	ug/L	0.02
24) Chloroform-d	4.40	84	11978	2.56	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.08	65	6611	2.68	ug/L	0.00
29) Benzene-d6	5.10	84	23677	2.67	ug/L	0.00
33) 1,2-Dichloropropane-d6	6.12	67	6695	2.73	ug/L	0.00
37) Toluene-d8	7.36	98	21554	2.62	ug/L	0.00
38) trans-1,3-Dichloropropene-	7.66	79	2429	2.27	ug/L	0.00
39) 2-Hexanone-d5	8.14	63	2081	4.95	ug/L	0.00
48) 1,1,2,2-Tetrachloroethane-	10.26	84	5287	2.65	ug/L	0.00
61) 1,2-Dichlorobenzene-d4	11.68	152	7300	3.11	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	10312	3.457 ug/L	99
3) Chloromethane	1.25	50	6511	2.929 ug/L	99
5) Vinyl chloride	1.32	62	7209	2.905 ug/L	98
6) Bromomethane	1.53	94	3726	3.222 ug/L	96
8) Chloroethane	1.60	64	3896	2.675 ug/L	99
9) Trichlorofluoromethane	1.77	101	12055	2.808 ug/L	97
11) 1,1,2-Trichloro-1,2,2-trif	2.14	101	7940	2.682 ug/L	95
12) 1,1-Dichloroethene	2.14	96	6727	2.595 ug/L	95
13) Acetone	2.19	43	5366	4.577 ug/L	99
14) Carbon disulfide	2.32	76	21799	2.574 ug/L	100
15) Methyl Acetate	2.47	43	3817	2.986 ug/L	95
16) Methylene chloride	2.53	84	11779	3.979 ug/L	93
17) Methyl tert-butyl Ether	2.80	73	15424	2.753 ug/L	99
18) trans-1,2-Dichloroethene	2.79	96	7277	2.573 ug/L	93
19) 1,1-Dichloroethane	3.23	63	12100	2.641 ug/L	97
21) 2-Butanone	4.03	43	3126	2.876 ug/L	76
22) cis-1,2-Dichloroethene	3.96	96	7278	2.500 ug/L	97
23) Bromochloromethane	4.30	128	3651	2.779 ug/L	89
25) Chloroform	4.42	83	12486	2.563 ug/L	98
27) 1,2-Dichloroethane	5.18	62	8704	2.733 ug/L #	91
30) Cyclohexane	4.73	56	11693	2.838 ug/L	99
31) 1,1,1-Trichloroethane	4.66	97	11559	2.724 ug/L	99
32) Carbon tetrachloride	4.87	117	10107	2.569 ug/L	100
34) Benzene	5.15	78	26884	2.727 ug/L	100
35) Trichloroethene	5.96	95	8432	2.873 ug/L	98
36) Methylcyclohexane	6.18	83	12664	2.625 ug/L	96
40) 1,2-Dichloropropane	6.22	63	6148	2.595 ug/L #	96
41) Bromodichloromethane	6.56	83	8308	2.672 ug/L	95
42) cis-1,3-Dichloropropene	7.07	75	8058	2.220 ug/L	97
43) 4-Methyl-2-pentanone	7.28	43	9640	6.752 ug/L	96

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Quant Title : VOC Analysis
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) Toluene	7.43	91	27334	2.625	ug/L	98
45) trans-1,3-Dichloropropene	7.70	75	7191	2.367	ug/L	99
46) 1,1,2-Trichloroethane	7.89	97	5171	2.716	ug/L	97
47) Tetrachloroethene	8.02	164	6990	2.952	ug/L	94
49) 2-Hexanone	8.19	43	7122	5.646	ug/L	97
50) Dibromochloromethane	8.29	129	5400	2.385	ug/L	96
51) 1,2-Dibromoethane	8.40	107	5121	2.674	ug/L #	96
52) Chlorobenzene	8.93	112	18170	2.732	ug/L	98
53) Ethylbenzene	9.06	91	28961	2.535	ug/L	98
54) m,p-Xylene	9.18	106	10672	2.453	ug/L	89
55) o-xylene	9.59	106	9943	2.465	ug/L	98
56) Styrene	9.61	104	15240	2.278	ug/L	96
57) Isopropylbenzene	9.98	105	27692	2.545	ug/L	98
58) 1,1,2,2-Tetrachloroethane	10.29	83	5121	2.457	ug/L #	89
59) 1,2,3-Trichloropropane	10.32	75	5457	3.191	ug/L	93
62) Bromoform	9.78	173	3295	2.720	ug/L #	92
63) 1,3-Dichlorobenzene	11.23	146	11893	2.735	ug/L	96
64) 1,4-Dichlorobenzene	11.32	146	13058	2.950	ug/L	95
65) 1,2-Dichlorobenzene	11.69	146	11054	2.728	ug/L	95
66) 1,2-Dibromo-3-chloropropan	12.69	75	1316	4.211	ug/L #	1
67) 1,3,5-Trichlorobenzene	12.69	180	8674	2.726	ug/L	98
68) 1,2,4-trichlorobenzene	13.32	180	5044	2.254	ug/L	99
69) Naphthalene	13.56	128	8204	2.290	ug/L	97
70) 1,2,3-Trichlorobenzene	13.80	180	4717	2.291	ug/L	95

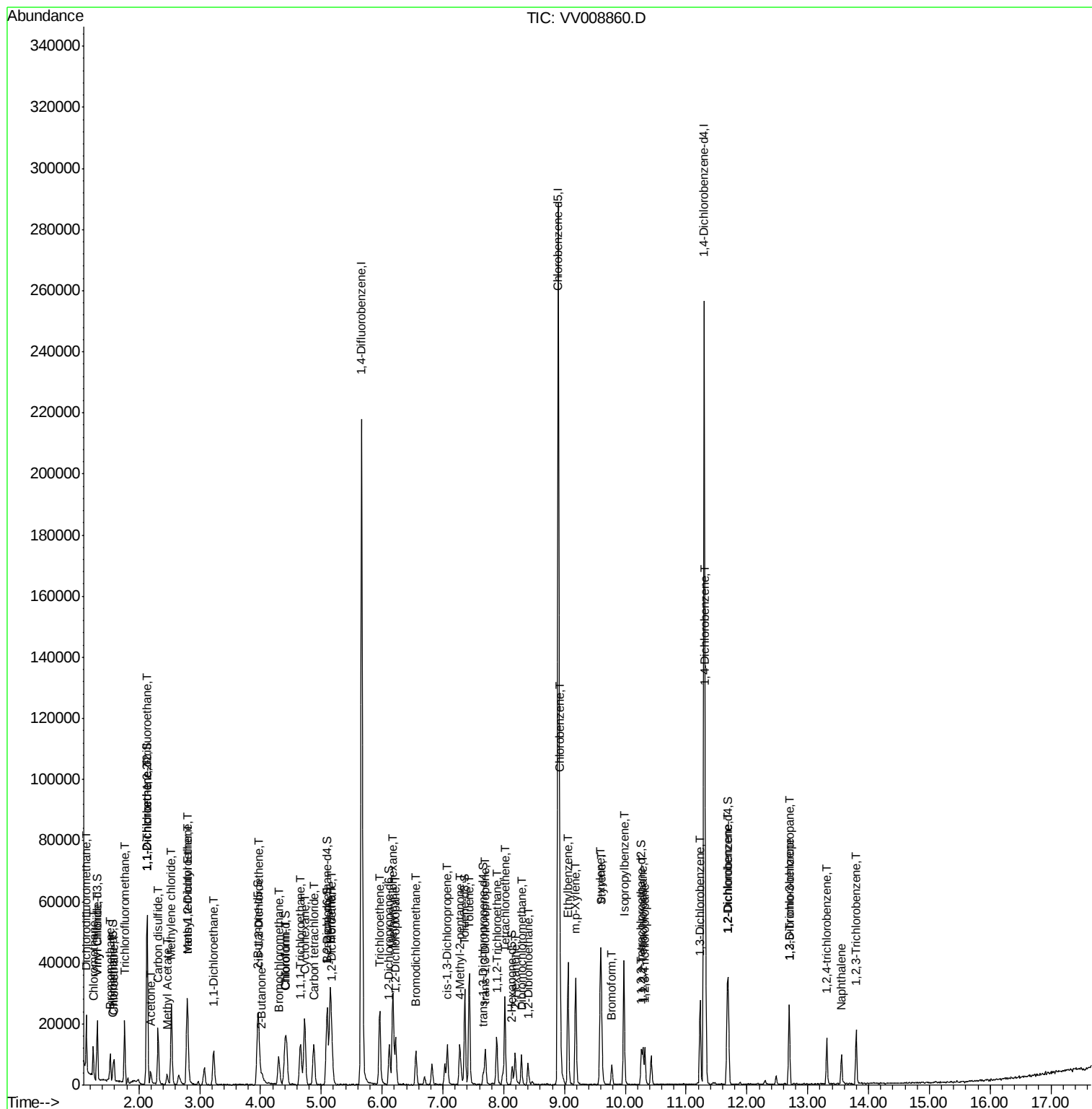
(#) = qualifier out of range (m) = manual integration (+) = signals summed

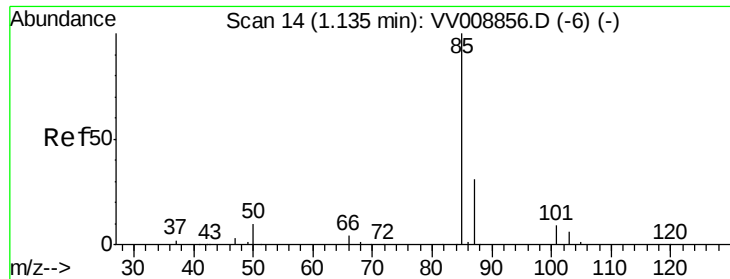
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Instrument :
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Quant Method : Z:\VOASRV\HPCHEM1\MSV0A_V\METHOD\SOM2VLM120618S.M
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QLast Update : Fri Dec 07 00:29:23 2018
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#2

Dichlorodifluoromethane

Concen: 3.457 ug/L

RT: 1.14 min Scan# 14

Delta R.T. 0.00 min

Lab File: VV008860.D

Acq: 06 Dec 2018 15:46

Instrument :

MSVOA_V

ClientSampleId :

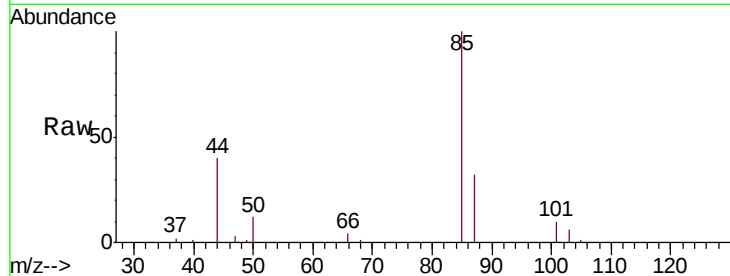
VSTD2.566

Tgt Ion: 85 Resp: 10312

Ion Ratio Lower Upper

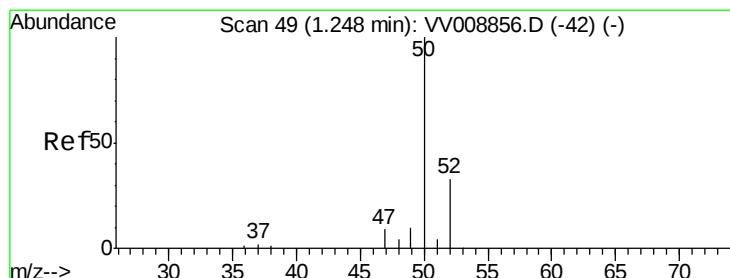
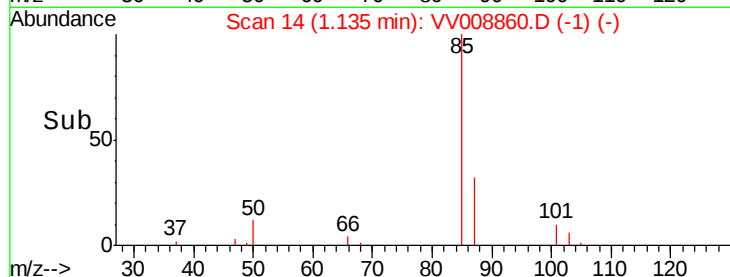
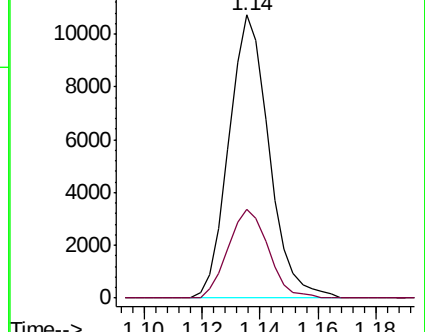
85 100

87 31.2 22.4 41.6



Abundance Ion 85.00 (84.70 to 85.70): VV008856.D (-6) (-)

Ion 87.00 (86.70 to 87.70): VV008856.D (-6) (-)



#3

Chloromethane

Concen: 2.929 ug/L

RT: 1.25 min Scan# 49

Delta R.T. 0.00 min

Lab File: VV008860.D

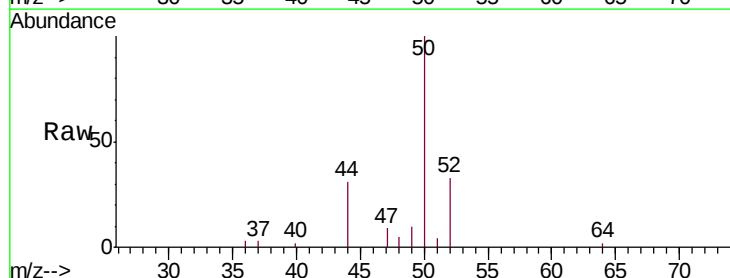
Acq: 06 Dec 2018 15:46

Tgt Ion: 50 Resp: 6511

Ion Ratio Lower Upper

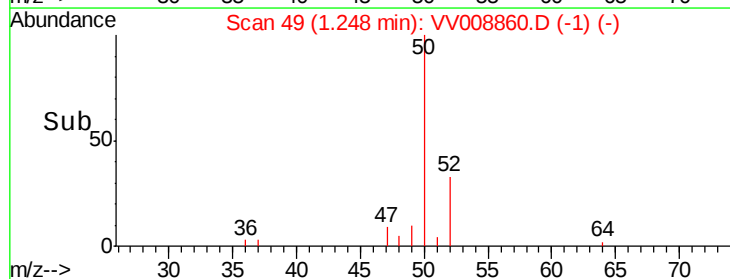
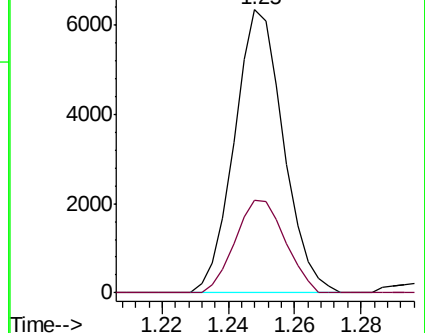
50 100

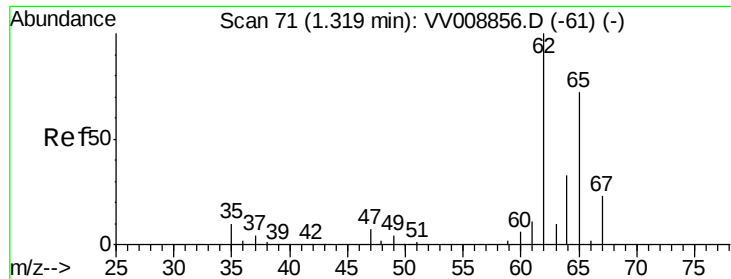
52 32.8 23.2 43.2



Abundance Ion 50.00 (49.70 to 50.70): VV008856.D (-42) (-)

Ion 52.00 (51.70 to 52.70): VV008856.D (-42) (-)





#5

Vinyl chloride

Concen: 2.905 ug/L

RT: 1.32 min Scan# 71

Delta R.T. 0.00 min

Lab File: VV008860.D

Acq: 06 Dec 2018 15:46

Instrument :

MSVOA_V

ClientSampleId :

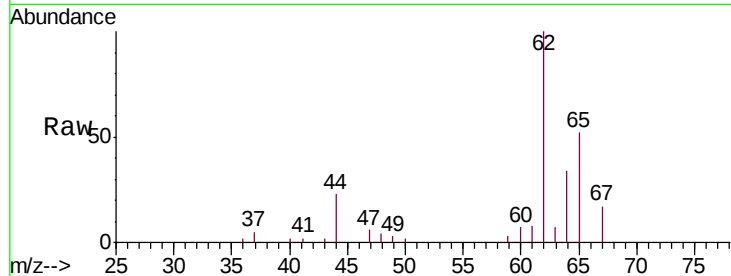
VSTD2.566

Tgt Ion: 62 Resp: 7209

Ion Ratio Lower Upper

62 100

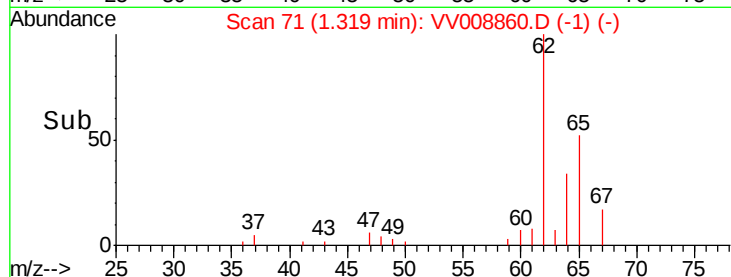
64 34.2 23.3 43.3



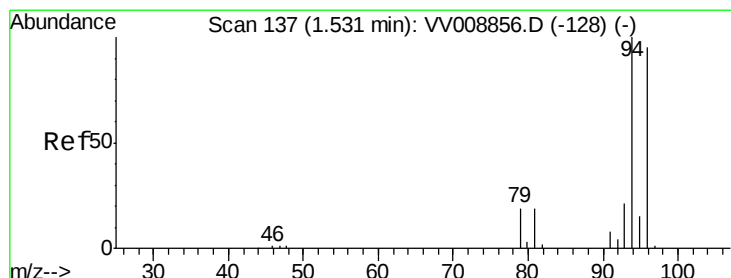
Abundance Ion 62.00 (61.70 to 62.70): VV008856.D (-61) (-)

Ion 64.00 (63.70 to 64.70): VV008860.D (-34) (-)

Time-->



Time-->



#6

Bromomethane

Concen: 3.222 ug/L

RT: 1.53 min Scan# 136

Delta R.T. -0.00 min

Lab File: VV008860.D

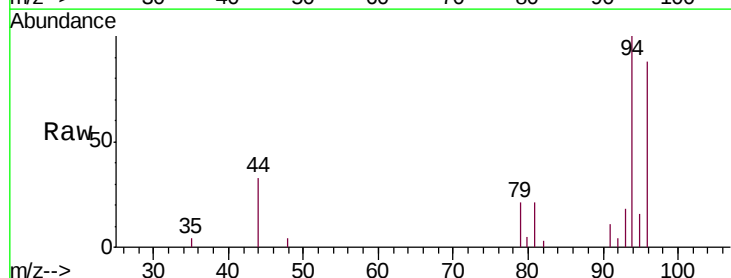
Acq: 06 Dec 2018 15:46

Tgt Ion: 94 Resp: 3726

Ion Ratio Lower Upper

94 100

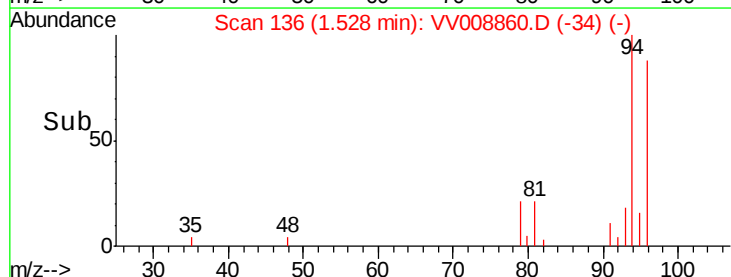
96 91.1 9.5 180.9



Abundance Ion 94.00 (93.70 to 94.70): VV008856.D (-128) (-)

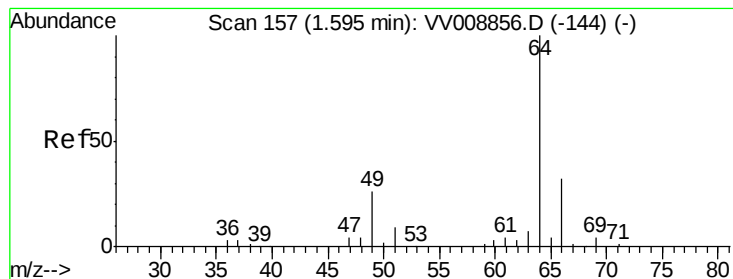
Ion 96.00 (95.70 to 96.70): VV008860.D (-34) (-)

Time-->



Time-->

Time-->



#8

Chloroethane

Concen: 2.675 ug/L

RT: 1.60 min Scan# 157

Delta R.T. 0.00 min

Lab File: VV008860.D

Acq: 06 Dec 2018 15:46

Instrument :

MSVOA_V

ClientSampleId :

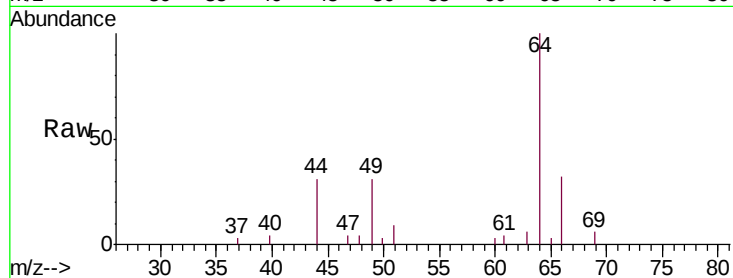
VSTD2.566

Tgt Ion: 64 Resp: 3896

Ion Ratio Lower Upper

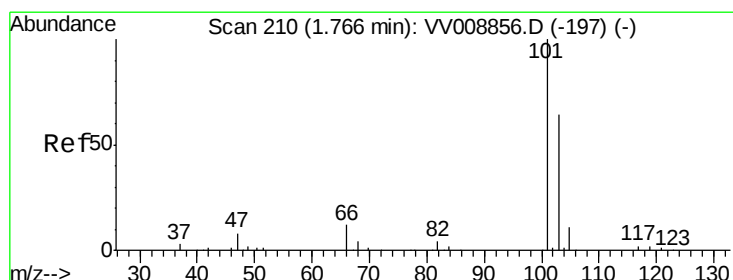
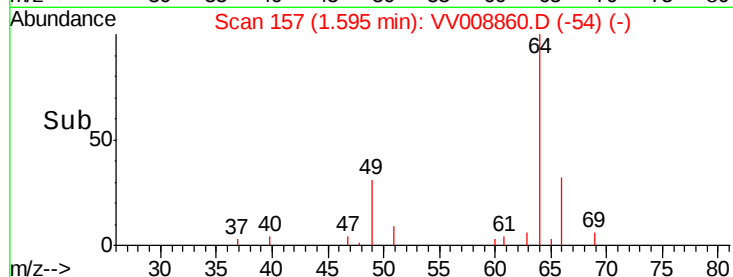
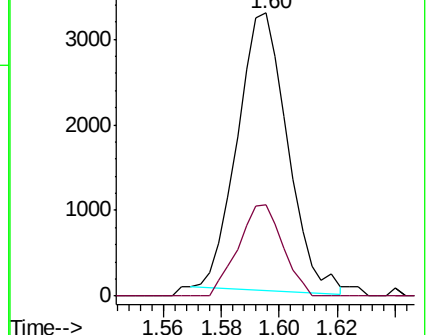
64 100

66 32.2 22.2 41.2



Abundance Ion 64.00 (63.70 to 64.70): VV008856.D (-144) (-)

Ion 66.00 (65.70 to 66.70): VV008856.D (-144) (-)



#9

Trichlorofluoromethane

Concen: 2.808 ug/L

RT: 1.77 min Scan# 210

Delta R.T. 0.00 min

Lab File: VV008860.D

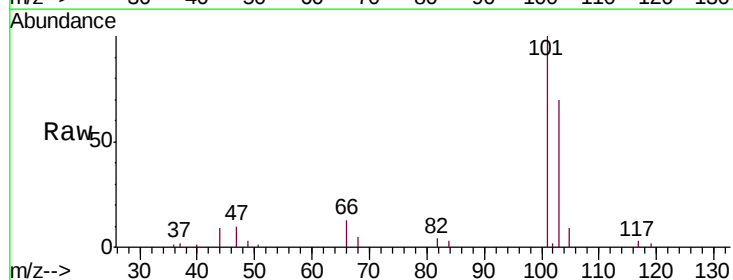
Acq: 06 Dec 2018 15:46

Tgt Ion: 101 Resp: 12055

Ion Ratio Lower Upper

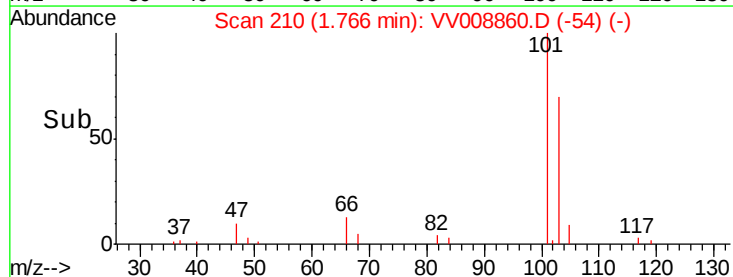
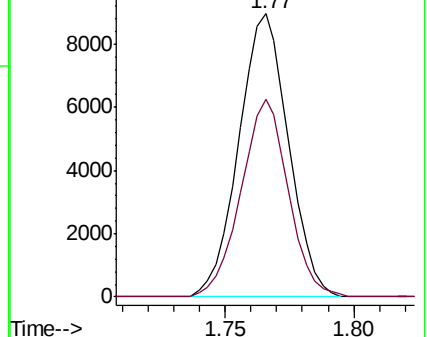
101 100

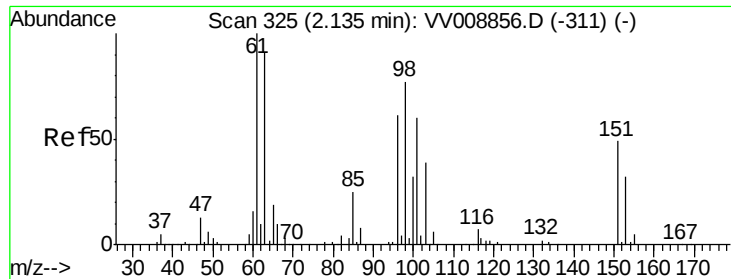
103 66.3 44.8 83.2



Abundance Ion 101.00 (100.70 to 101.70): VV008856.D (-197) (-)

Ion 103.00 (102.70 to 103.70): VV008856.D (-197) (-)





#11

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

Concen: 2.682 ug/L

RT: 2.14 min Scan# 325

Delta R.T. 0.00 min

Lab File: VV008860.D

Acq: 06 Dec 2018 15:46

Instrument :

MSVOA_V

ClientSampleId :

VSTD2.566

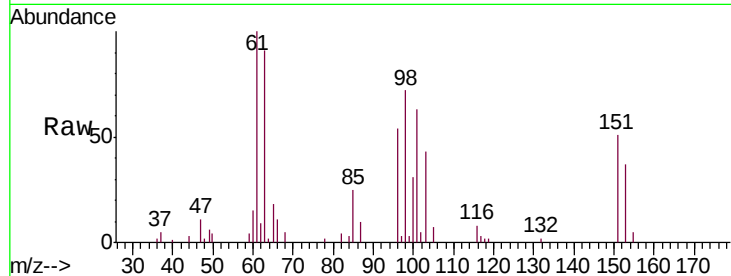
Tgt Ion:101 Resp: 7940

Ion Ratio Lower Upper

101 100

85 39.9 32.5 48.7

151 85.9 64.2 96.4



Abundance Ion 101.00 (100.70 to 101.70): VV008856.D (-311) (-)

Ion 85.00 (84.70 to 85.70): VV008856.D (-311) (-)

Ion 151.00 (150.70 to 151.70): VV008856.D (-311) (-)

Time-->

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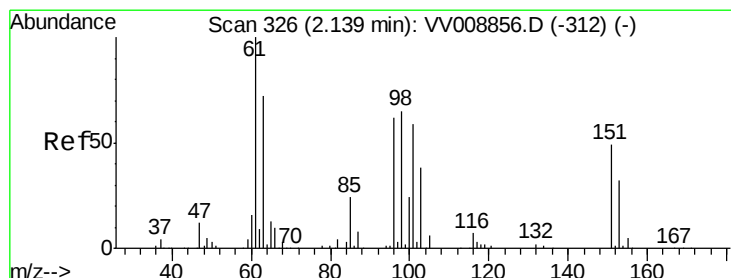
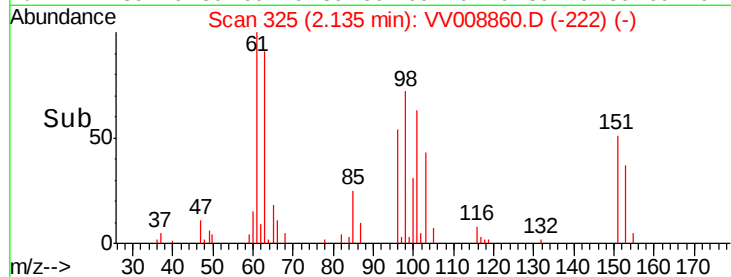
2.14

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#12

1,1-Dichloroethene

Concen: 2.595 ug/L

RT: 2.14 min Scan# 326

Delta R.T. 0.00 min

Lab File: VV008860.D

Acq: 06 Dec 2018 15:46

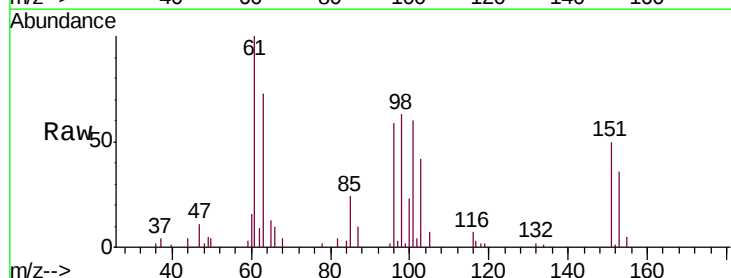
Tgt Ion: 96 Resp: 6727

Ion Ratio Lower Upper

96 100

61 168.7 114.0 211.6

63 123.7 82.4 153.0



Abundance Ion 96.00 (95.70 to 96.70): VV008856.D (-312) (-)

Ion 61.00 (60.70 to 61.70): VV008856.D (-312) (-)

Ion 63.00 (62.70 to 63.70): VV008856.D (-312) (-)

Time-->

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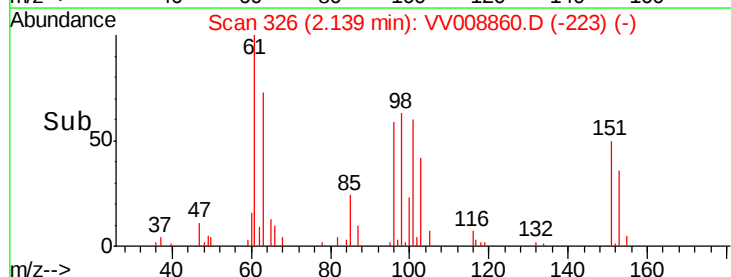
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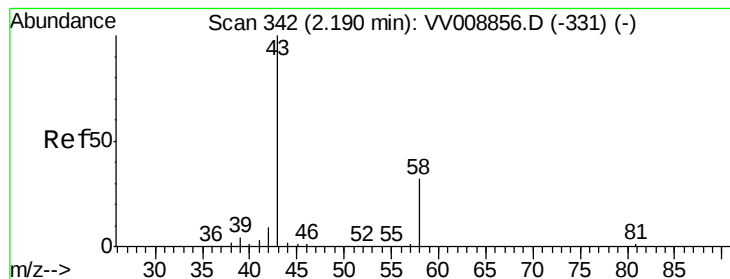
2.14

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#13

Acetone

Concen: 4.577 ug/L

RT: 2.19 min Scan# 343

Delta R.T. 0.00 min

Lab File: VV008860.D

Acq: 06 Dec 2018 15:46

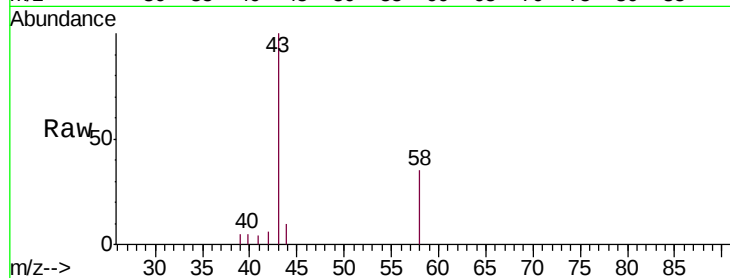
Instrument :
MSVOA_V
ClientSampled :
VSTD2.566

Tgt Ion: 43 Resp: 5366

Ion Ratio Lower Upper

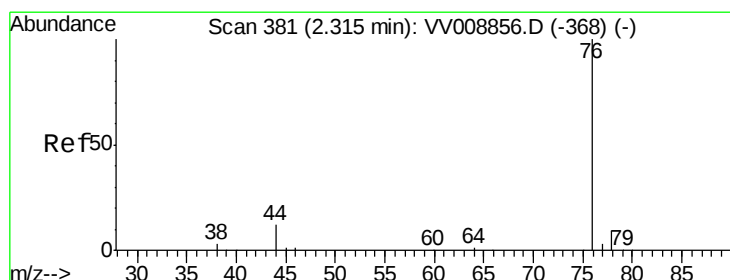
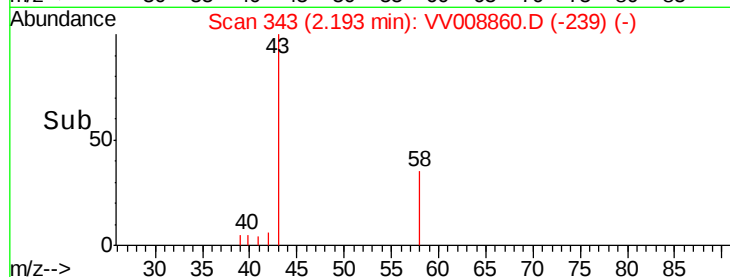
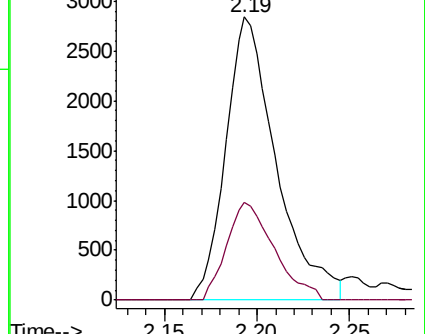
43 100

58 32.4 0.0 65.4



Abundance Ion 43.00 (42.70 to 43.70): VV008856.D (-331) (-)

Ion 58.00 (57.70 to 58.70): VV008856.D (-331) (-)



#14

Carbon disulfide

Concen: 2.574 ug/L

RT: 2.32 min Scan# 381

Delta R.T. 0.00 min

Lab File: VV008860.D

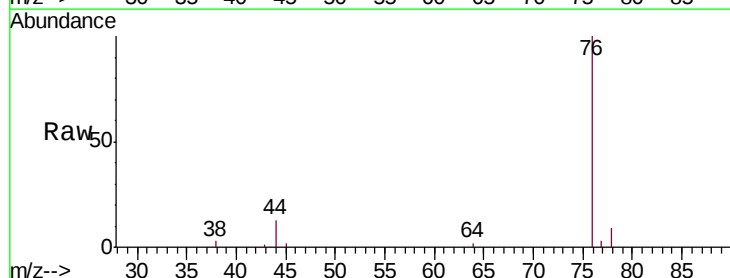
Acq: 06 Dec 2018 15:46

Tgt Ion: 76 Resp: 21799

Ion Ratio Lower Upper

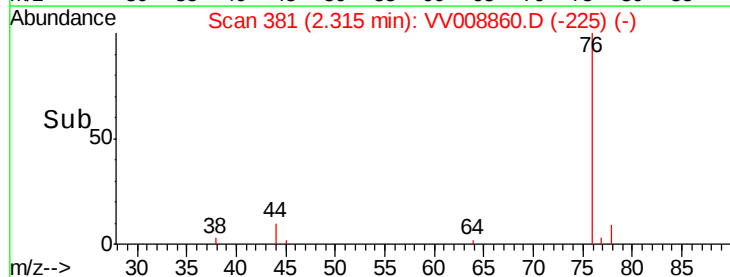
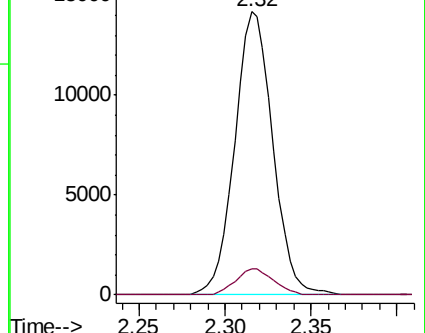
76 100

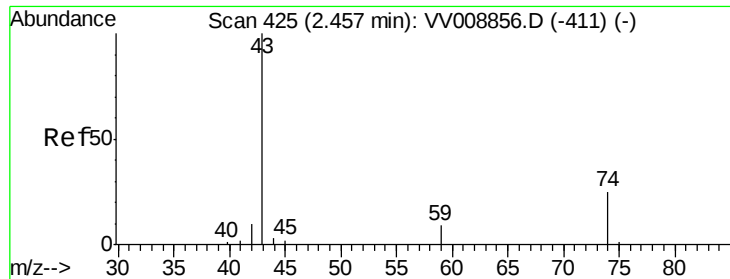
78 9.3 7.4 11.0



Abundance Ion 76.00 (75.70 to 76.70): VV008856.D (-368) (-)

Ion 78.00 (77.70 to 78.70): VV008856.D (-368) (-)

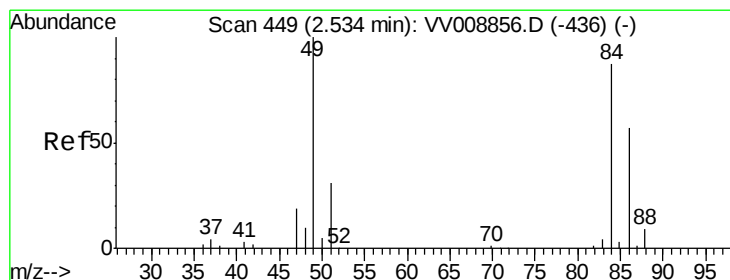
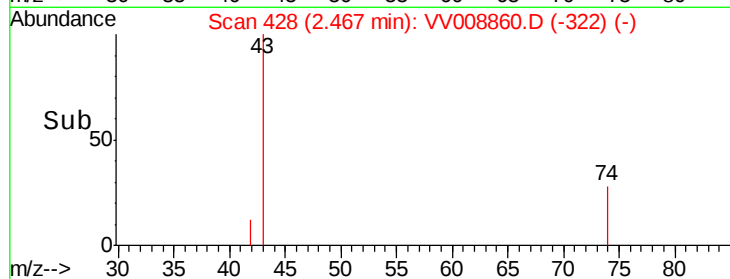
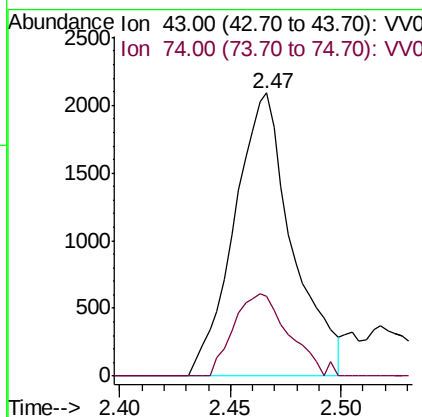
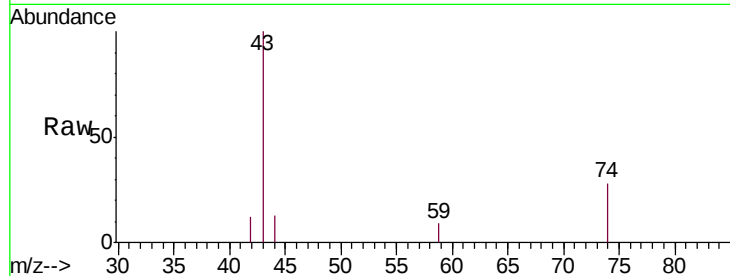




#15
Methyl Acetate
Concen: 2.986 ug/L
RT: 2.47 min Scan# 428
Delta R.T. 0.01 min
Lab File: VV008860.D
Acq: 06 Dec 2018 15:46

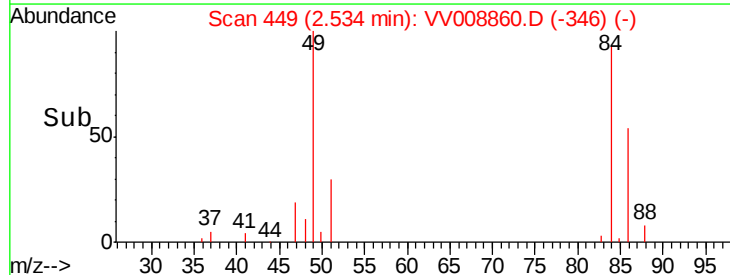
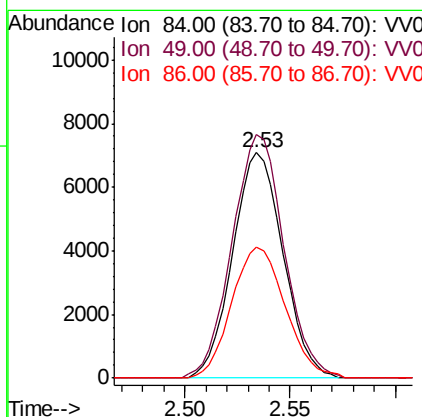
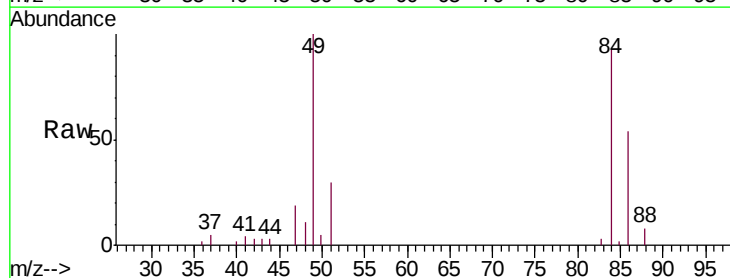
Instrument :
MSVOA_V
ClientSampleId :
VSTD2.566

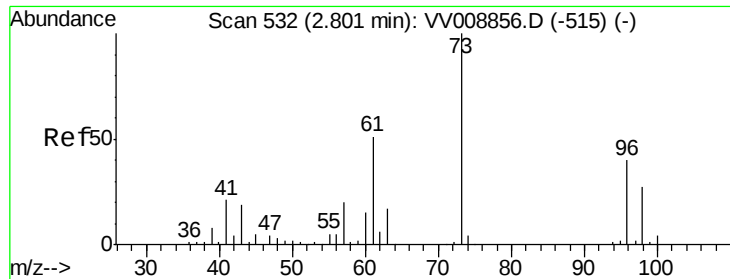
Tgt Ion: 43 Resp: 3817
Ion Ratio Lower Upper
43 100
74 27.3 19.7 29.5



#16
Methylene chloride
Concen: 3.979 ug/L
RT: 2.53 min Scan# 449
Delta R.T. 0.00 min
Lab File: VV008860.D
Acq: 06 Dec 2018 15:46

Tgt Ion: 84 Resp: 11779
Ion Ratio Lower Upper
84 100
49 108.0 80.5 149.5
86 58.2 45.5 84.5

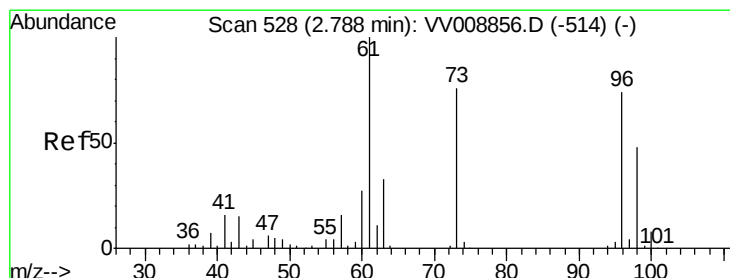
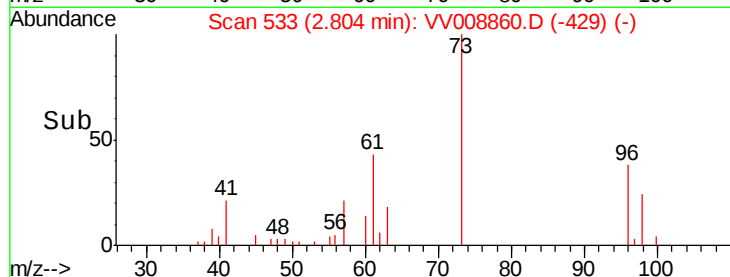
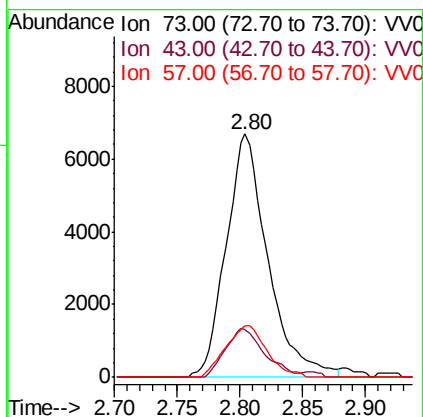
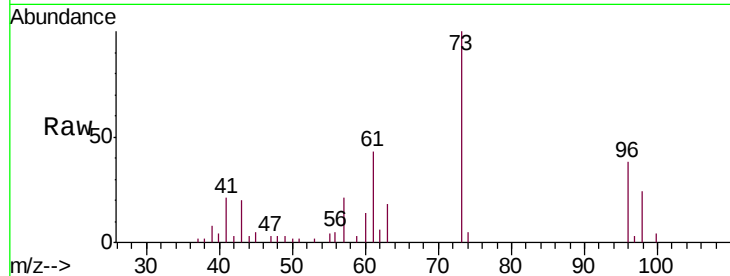




#17
Methyl tert-butyl Ether
Concen: 2.753 ug/L
RT: 2.80 min Scan# 533
Delta R.T. 0.00 min
Lab File: VV008860.D
Acq: 06 Dec 2018 15:46

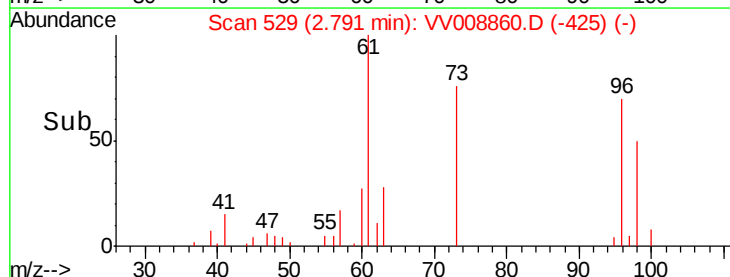
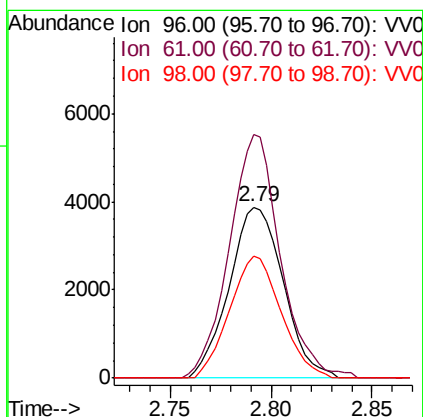
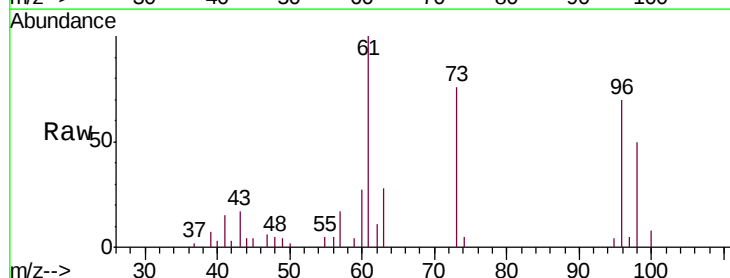
Instrument :
MSVOA_V
ClientSampleId :
VSTD2.566

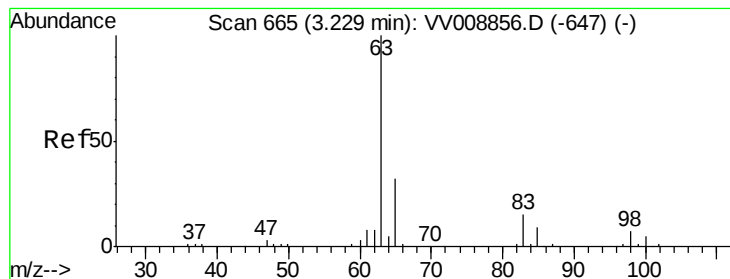
Tgt Ion: 73 Resp: 15424
Ion Ratio Lower Upper
73 100
43 18.7 14.9 22.3
57 20.9 16.0 24.0



#18
trans-1,2-Dichloroethene
Concen: 2.573 ug/L
RT: 2.79 min Scan# 529
Delta R.T. 0.00 min
Lab File: VV008860.D
Acq: 06 Dec 2018 15:46

Tgt Ion: 96 Resp: 7277
Ion Ratio Lower Upper
96 100
61 142.2 94.6 175.8
98 71.6 45.3 84.1





#19

1,1-Dichloroethane

Concen: 2.641 ug/L

RT: 3.23 min Scan# 665

Delta R.T. 0.00 min

Lab File: VV008860.D

Acq: 06 Dec 2018 15:46

Instrument :

MSVOA_V

ClientSampleId :

VSTD2.566

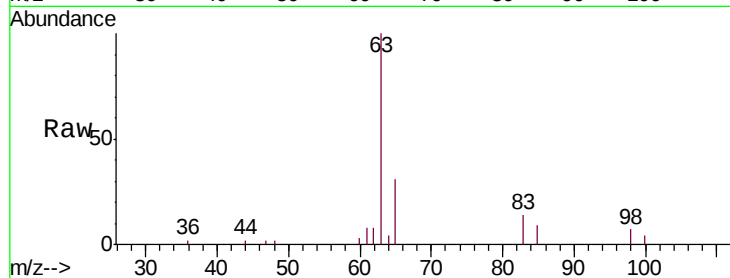
Tgt Ion: 63 Resp: 12100

Ion Ratio Lower Upper

63 100

65 30.7 22.7 42.1

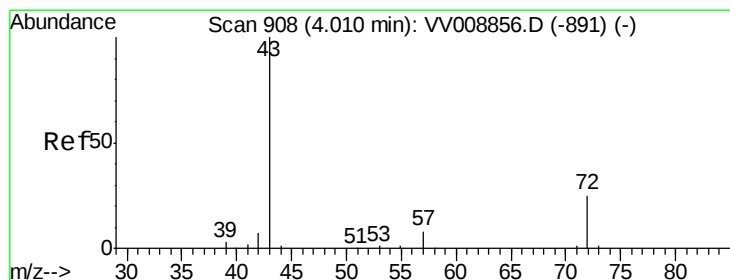
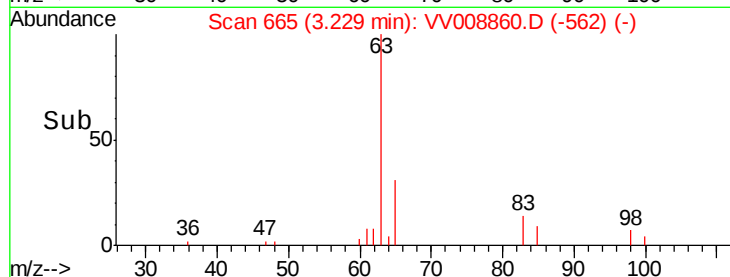
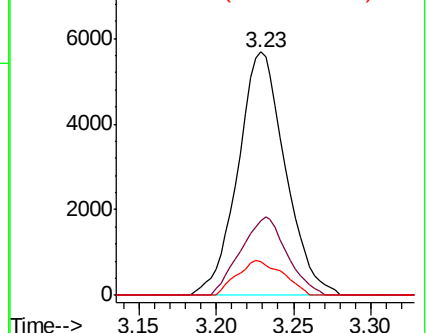
83 13.8 10.2 19.0



Abundance Ion 63.00 (62.70 to 63.70): VV008856.D (-647) (-)

Ion 65.00 (64.70 to 65.70): VV008856.D (-647) (-)

Ion 83.00 (82.70 to 83.70): VV008856.D (-647) (-)



#21

2-Butanone

Concen: 2.876 ug/L

RT: 4.03 min Scan# 913

Delta R.T. 0.02 min

Lab File: VV008860.D

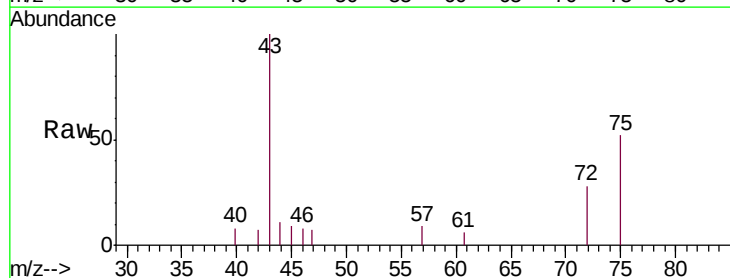
Acq: 06 Dec 2018 15:46

Tgt Ion: 43 Resp: 3126

Ion Ratio Lower Upper

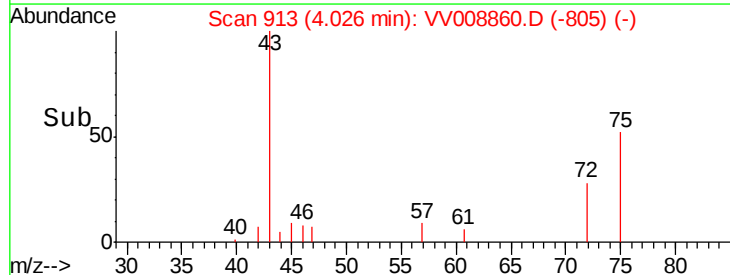
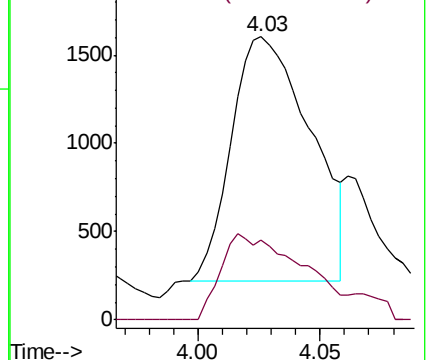
43 100

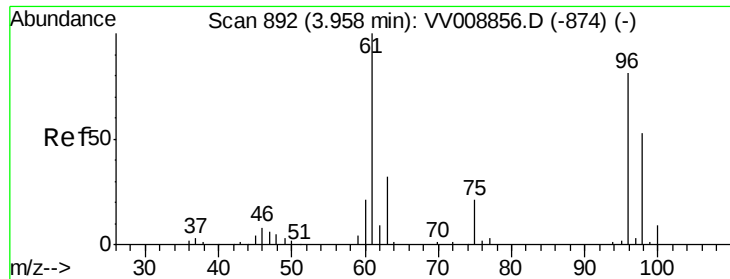
72 14.9 13.7 41.1



Abundance Ion 43.00 (42.70 to 43.70): VV008856.D (-891) (-)

Ion 72.00 (71.70 to 72.70): VV008856.D (-891) (-)



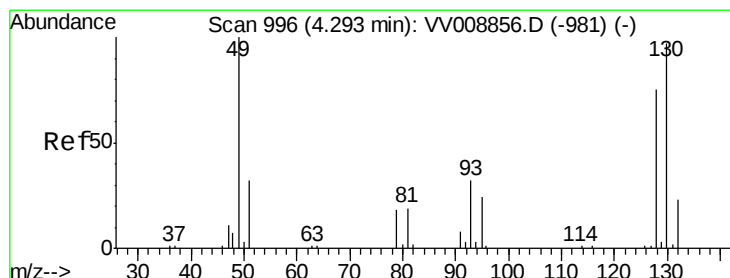
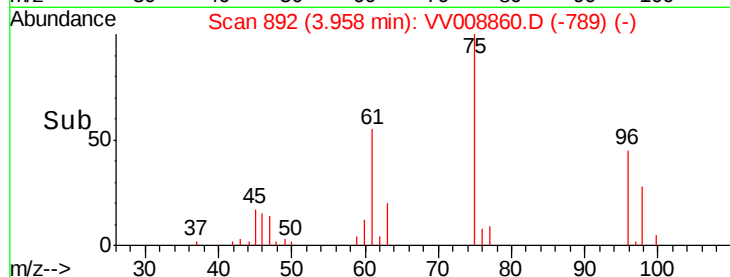
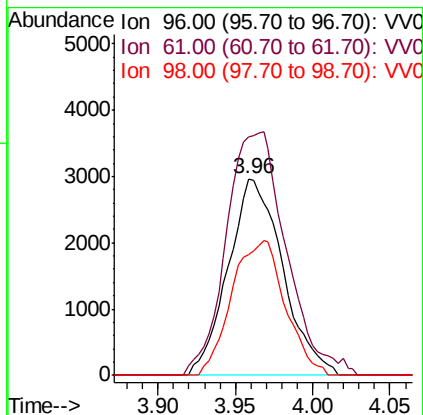
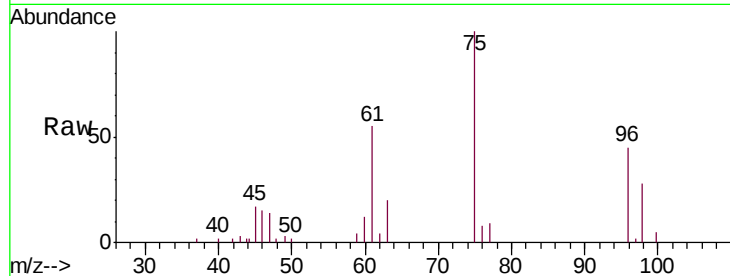


#22

cis-1,2-Dichloroethene
Concen: 2.500 ug/L
RT: 3.96 min Scan# 892
Delta R.T. 0.00 min
Lab File: VV008860.D
Acq: 06 Dec 2018 15:46

Instrument :
MSVOA_V
ClientSampleId :
VSTD2.566

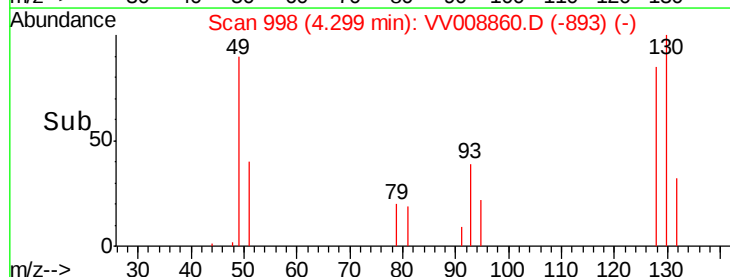
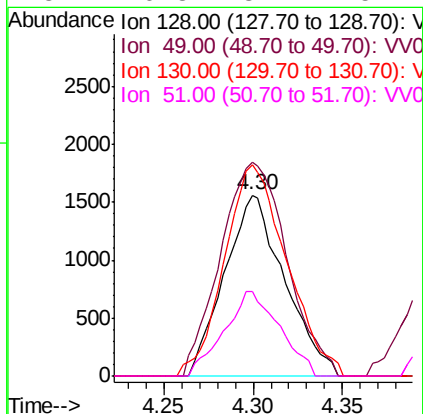
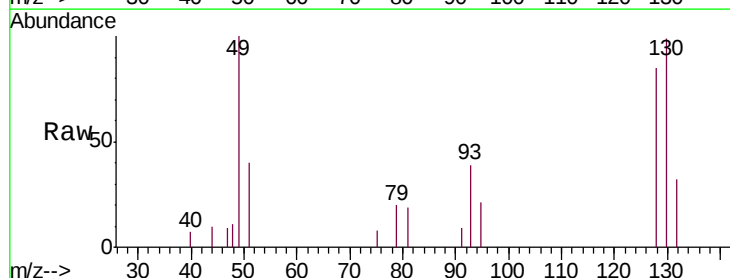
Tgt Ion: 96 Resp: 7278
Ion Ratio Lower Upper
96 100
61 121.6 86.2 160.0
98 61.4 45.6 84.6

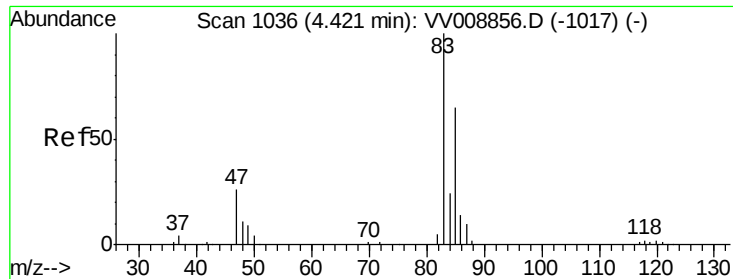


#23

Bromochloromethane
Concen: 2.779 ug/L
RT: 4.30 min Scan# 998
Delta R.T. 0.01 min
Lab File: VV008860.D
Acq: 06 Dec 2018 15:46

Tgt Ion: 128 Resp: 3651
Ion Ratio Lower Upper
128 100
49 118.3 93.8 174.2
130 117.0 90.4 168.0
51 46.8 34.2 51.4

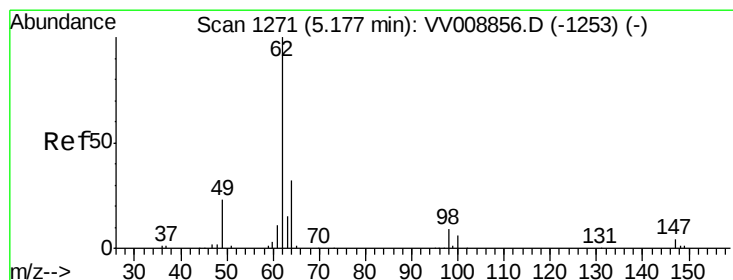
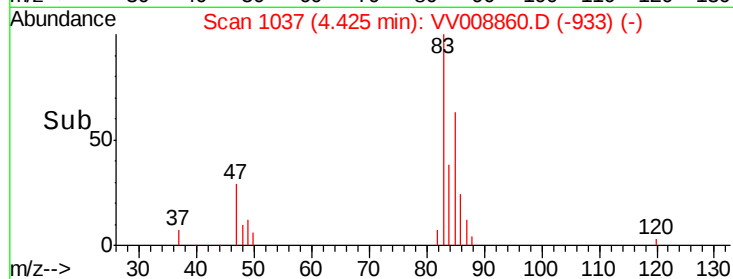
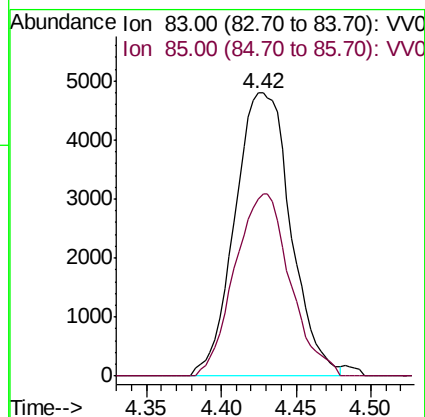
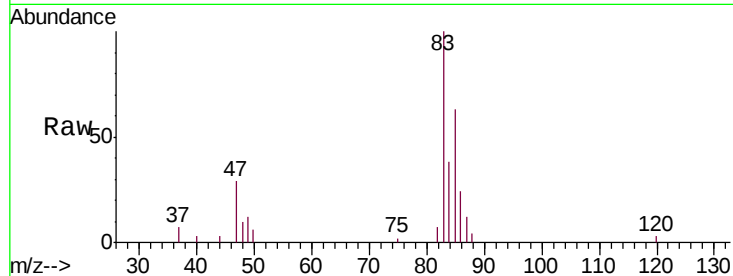




#25
Chloroform
Concen: 2.563 ug/L
RT: 4.42 min Scan# 1037
Delta R.T. 0.00 min
Lab File: VV008860.D
Acq: 06 Dec 2018 15:46

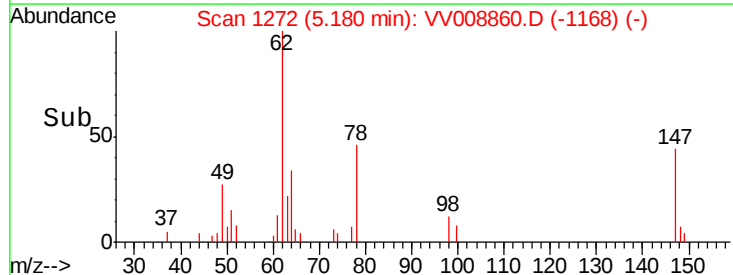
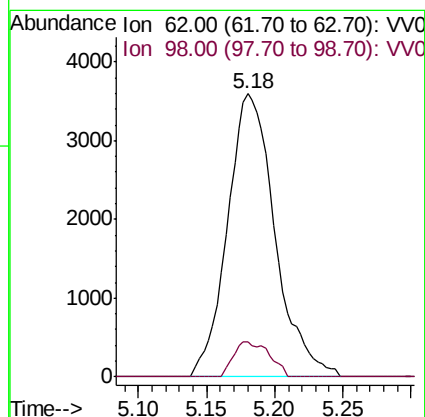
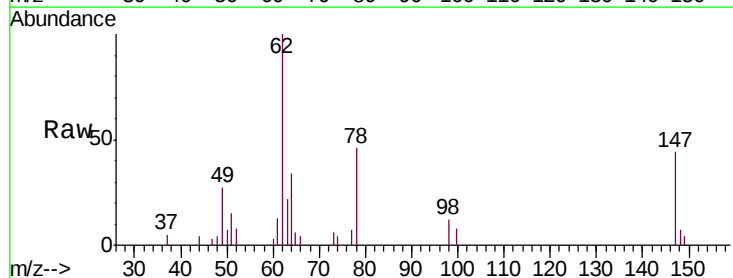
Instrument :
MSVOA_V
ClientSampleId :
VSTD2.566

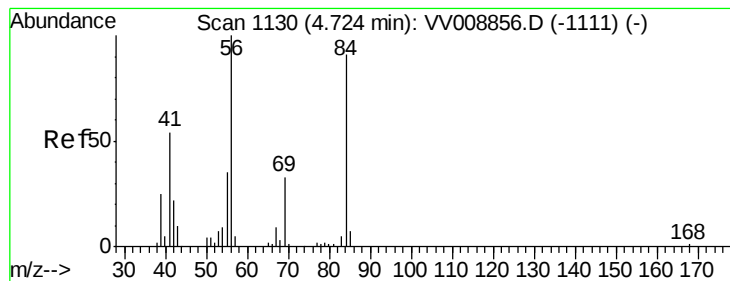
Tgt Ion: 83 Resp: 12486
Ion Ratio Lower Upper
83 100
85 63.8 45.6 84.8



#27
1,2-Dichloroethane
Concen: 2.733 ug/L
RT: 5.18 min Scan# 1272
Delta R.T. 0.00 min
Lab File: VV008860.D
Acq: 06 Dec 2018 15:46

Tgt Ion: 62 Resp: 8704
Ion Ratio Lower Upper
62 100
98 12.4 7.4 11.0#





#30

Cyclohexane

Concen: 2.838 ug/L

RT: 4.73 min Scan# 1131

Delta R.T. 0.00 min

Lab File: VV008860.D

Acq: 06 Dec 2018 15:46

Instrument :

MSVOA_V

ClientSampleId :

VSTD2.566

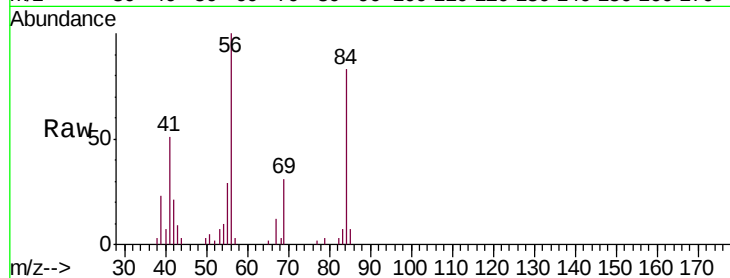
Tgt Ion: 56 Resp: 11693

Ion Ratio Lower Upper

56 100

69 32.1 25.8 38.8

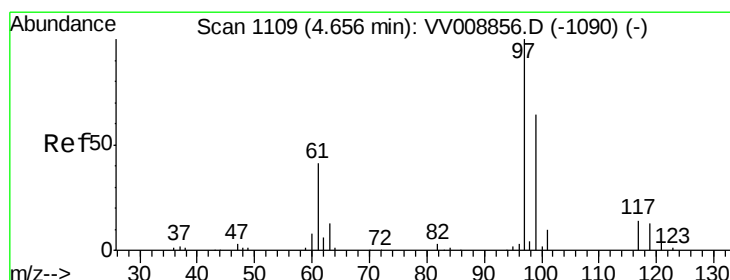
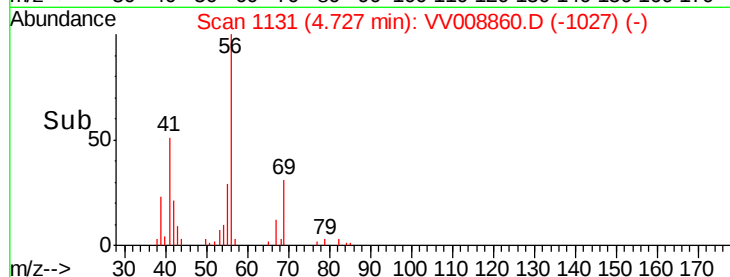
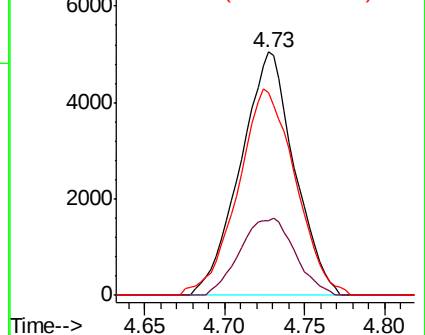
84 90.1 73.0 109.6



Abundance Ion 56.00 (55.70 to 56.70): VV008860.D (-1027) (-)

Ion 69.00 (68.70 to 69.70): VV008860.D (-1027) (-)

Ion 84.00 (83.70 to 84.70): VV008860.D (-1027) (-)



#31

1,1,1-Trichloroethane

Concen: 2.724 ug/L

RT: 4.66 min Scan# 1109

Delta R.T. 0.00 min

Lab File: VV008860.D

Acq: 06 Dec 2018 15:46

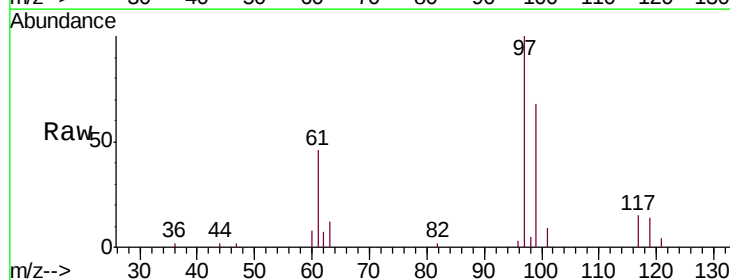
Tgt Ion: 97 Resp: 11559

Ion Ratio Lower Upper

97 100

99 65.3 51.9 77.9

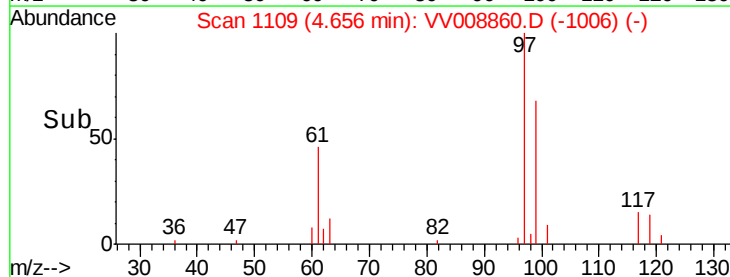
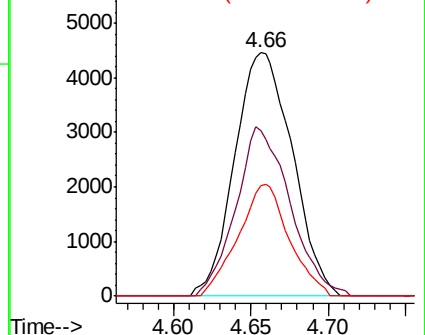
61 40.8 33.1 49.7

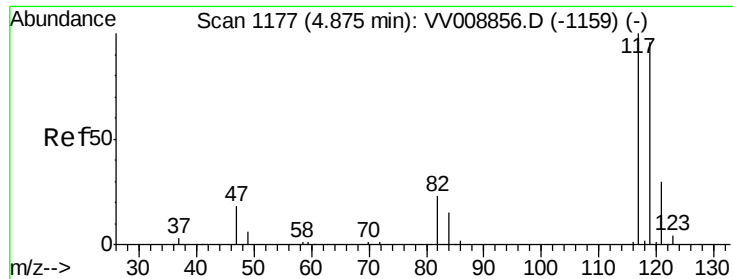


Abundance Ion 97.00 (96.70 to 97.70): VV008860.D (-1006) (-)

Ion 99.00 (98.70 to 99.70): VV008860.D (-1006) (-)

Ion 61.00 (60.70 to 61.70): VV008860.D (-1006) (-)





#32

Carbon tetrachloride

Concen: 2.569 ug/L

RT: 4.87 min Scan# 1177

Delta R.T. 0.00 min

Lab File: VV008860.D

Acq: 06 Dec 2018 15:46

Instrument :

MSVOA_V

ClientSampleId :

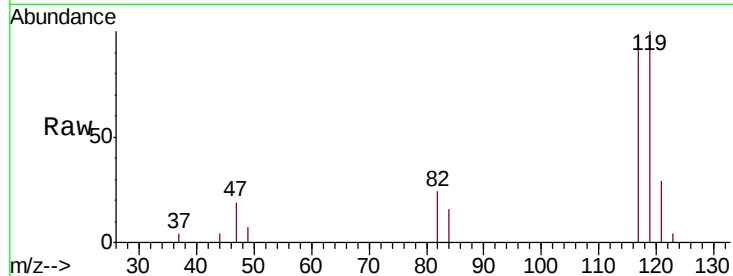
VSTD2.566

Tgt Ion:117 Resp: 10107

Ion Ratio Lower Upper

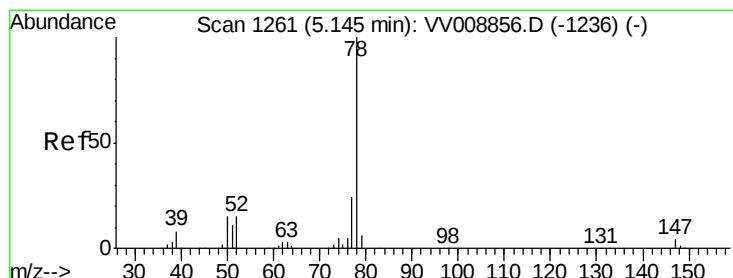
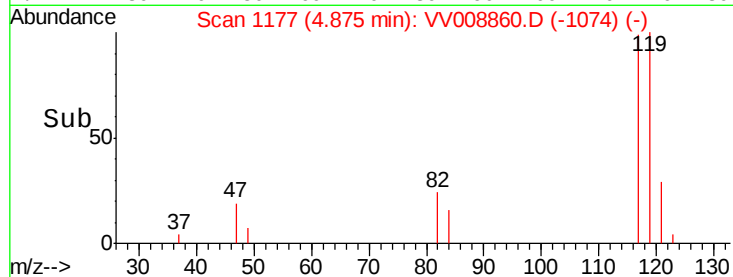
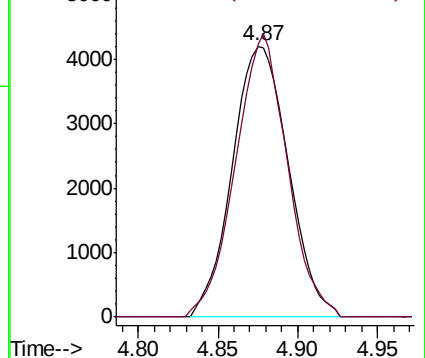
117 100

119 96.3 77.1 115.7



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#34

Benzene

Concen: 2.727 ug/L

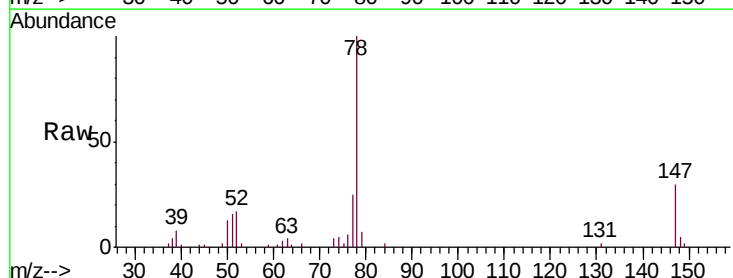
RT: 5.15 min Scan# 1262

Delta R.T. 0.00 min

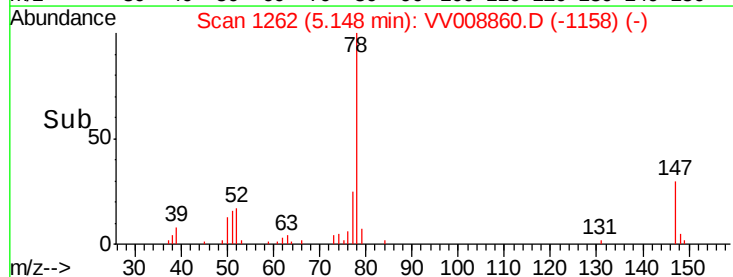
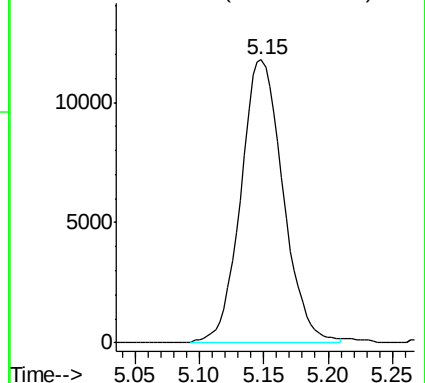
Lab File: VV008860.D

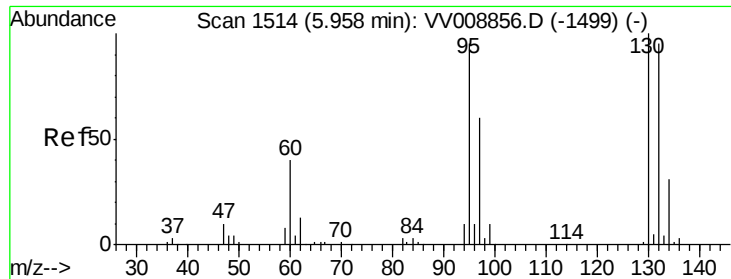
Acq: 06 Dec 2018 15:46

Tgt Ion: 78 Resp: 26884



Abundance Ion 78.00 (77.70 to 78.70): VV0





#35

Trichloroethene

Concen: 2.873 ug/L

RT: 5.96 min Scan# 1515

Delta R.T. 0.00 min

Lab File: VV008860.D

Acq: 06 Dec 2018 15:46

Instrument :

MSVOA_V

ClientSampleId :

VSTD2.566

Tgt Ion: 95 Resp: 8432

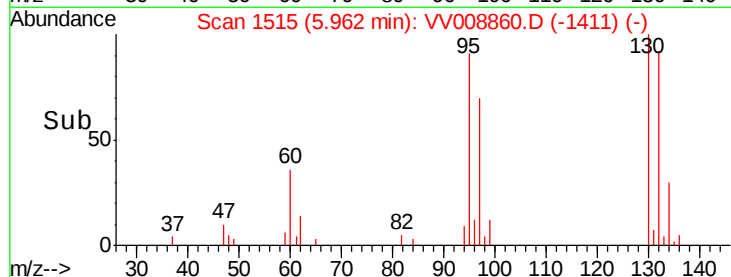
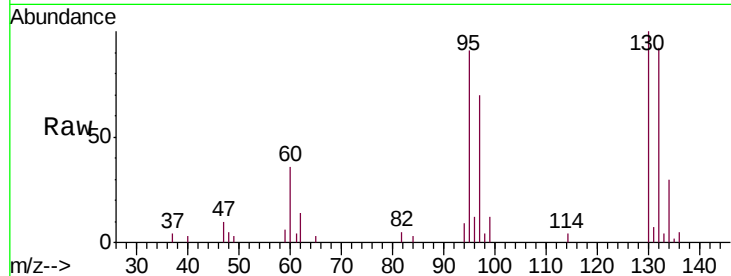
Ion Ratio Lower Upper

95 100

97 67.6 45.3 84.1

132 100.2 70.0 130.0

130 102.8 73.4 136.4

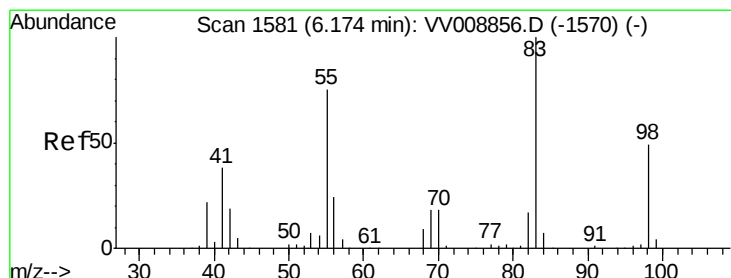
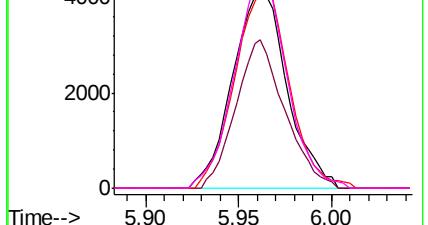


Abundance Ion 95.00 (94.70 to 95.70): VV008860.D (-1411) (-)

Ion 97.00 (96.70 to 97.70): VV008860.D (-1411) (-)

Ion 132.00 (131.70 to 132.70): VV008860.D (-1411) (-)

Ion 130.00 (129.70 to 130.70): VV008860.D (-1411) (-)



#36

Methylcyclohexane

Concen: 2.625 ug/L

RT: 6.18 min Scan# 1582

Delta R.T. 0.00 min

Lab File: VV008860.D

Acq: 06 Dec 2018 15:46

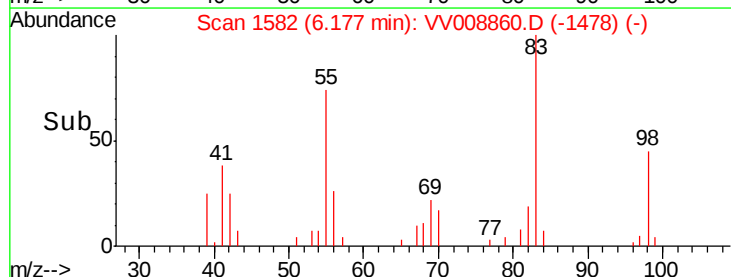
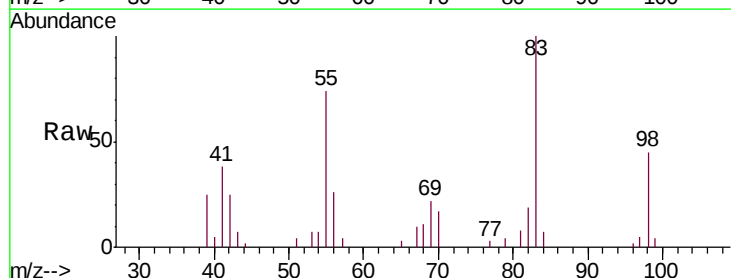
Tgt Ion: 83 Resp: 12664

Ion Ratio Lower Upper

83 100

55 75.5 58.2 87.2

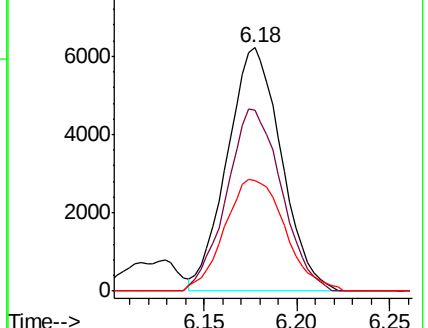
98 51.2 37.8 56.8

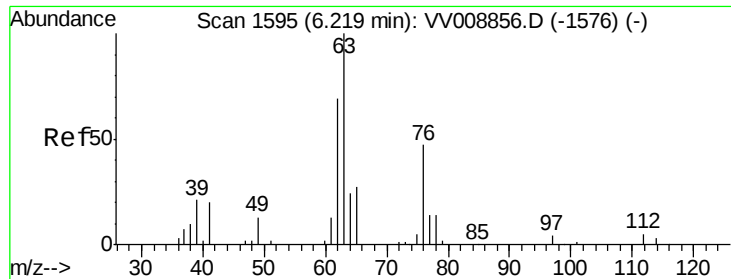


Abundance Ion 83.00 (82.70 to 83.70): VV008860.D (-1478) (-)

Ion 55.00 (54.70 to 55.70): VV008860.D (-1478) (-)

Ion 98.00 (97.70 to 98.70): VV008860.D (-1478) (-)

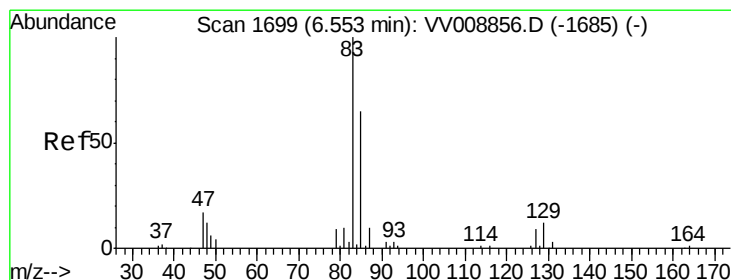
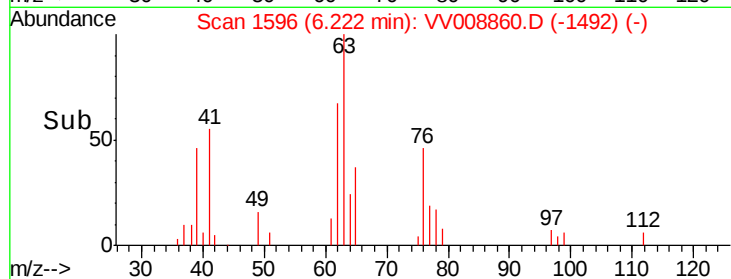
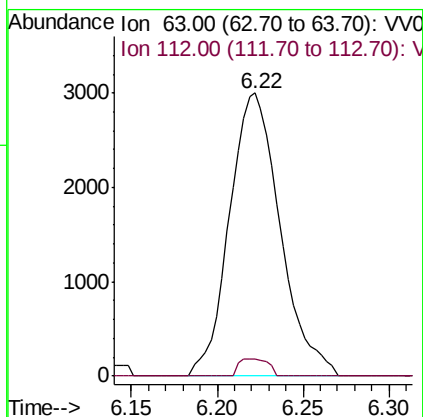
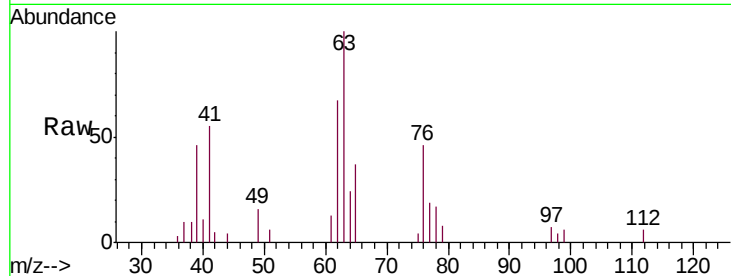




#40
 1,2-Dichloropropane
 Concen: 2.595 ug/L
 RT: 6.22 min Scan# 1596
 Delta R.T. 0.00 min
 Lab File: VV008860.D
 Acq: 06 Dec 2018 15:46

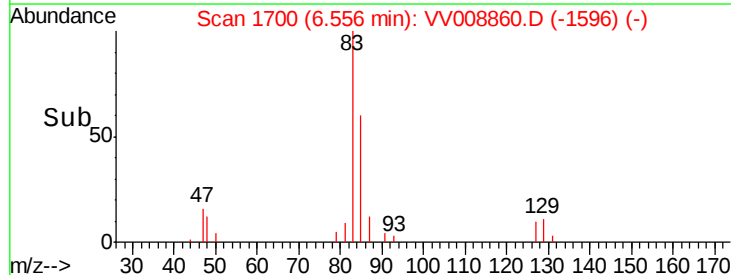
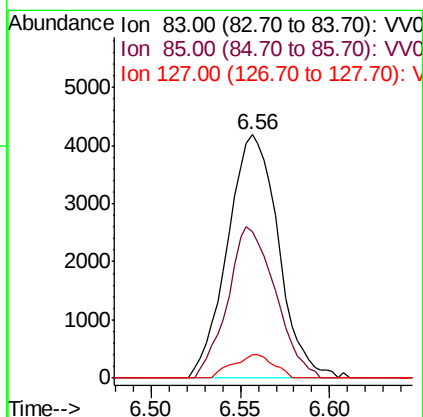
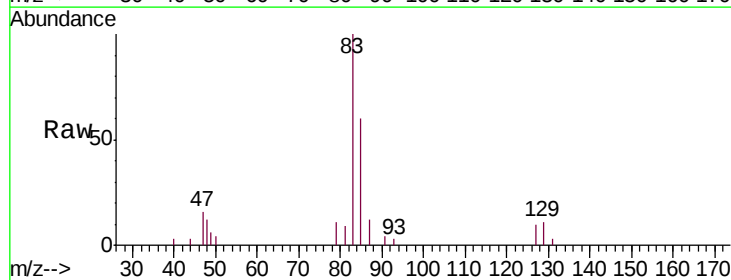
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD2.566

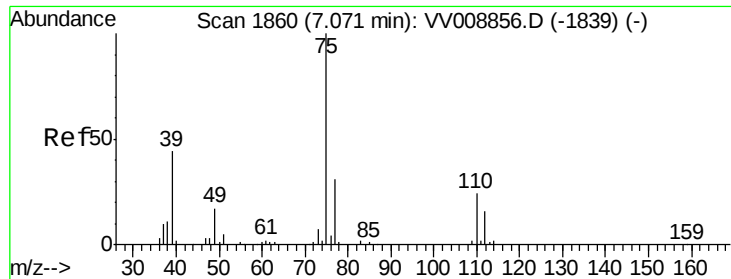
Tgt Ion: 63 Resp: 6148
 Ion Ratio Lower Upper
 63 100
 112 3.5 3.8 5.8#



#41
 Bromodichloromethane
 Concen: 2.672 ug/L
 RT: 6.56 min Scan# 1700
 Delta R.T. 0.00 min
 Lab File: VV008860.D
 Acq: 06 Dec 2018 15:46

Tgt Ion: 83 Resp: 8308
 Ion Ratio Lower Upper
 83 100
 85 60.3 45.3 84.1
 127 9.7 7.2 10.8



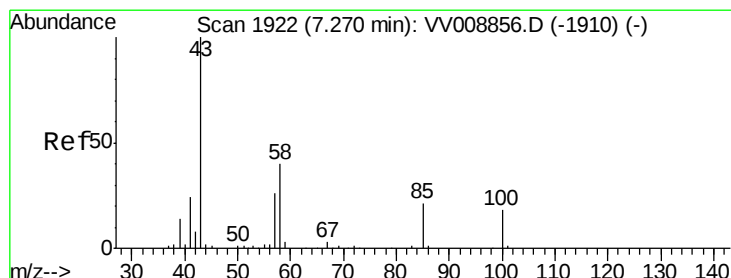
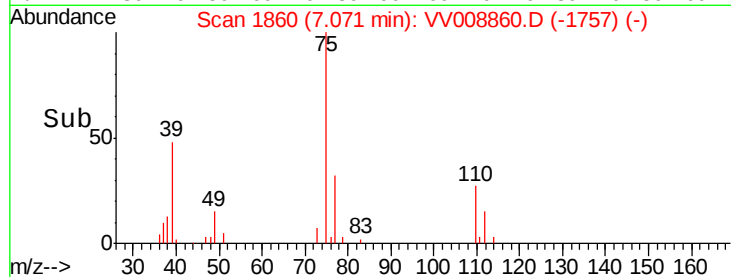
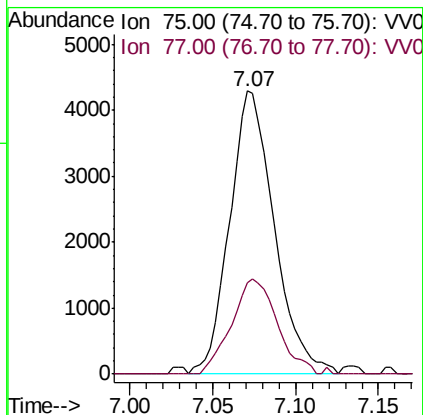
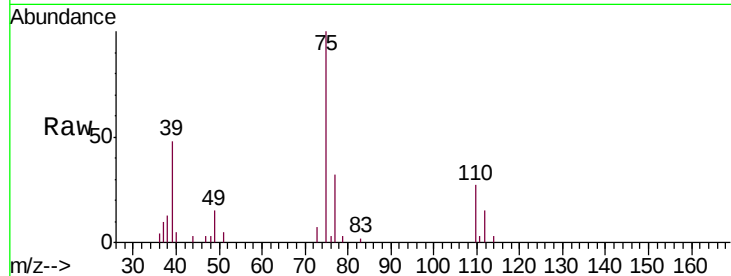


#42

cis-1,3-Dichloropropene
Concen: 2.220 ug/L
RT: 7.07 min Scan# 1860
Delta R.T. 0.00 min
Lab File: VV008860.D
Acq: 06 Dec 2018 15:46

Instrument :
MSVOA_V
ClientSampleId :
VSTD2.566

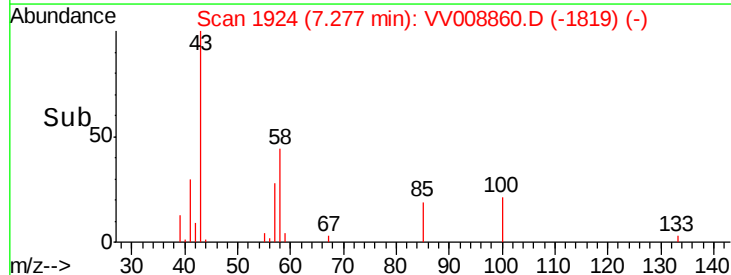
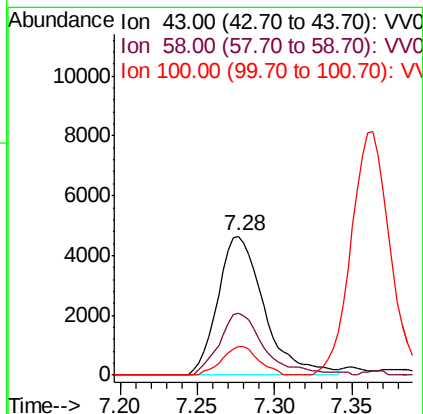
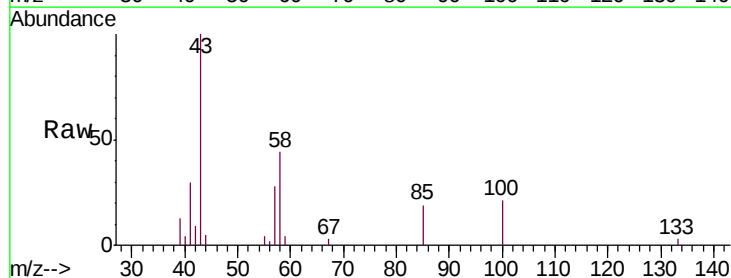
Tgt Ion: 75 Resp: 8058
Ion Ratio Lower Upper
75 100
77 32.1 21.3 39.6

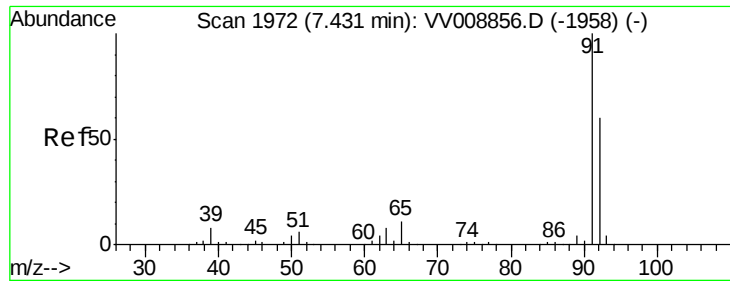


#43

4-Methyl-2-pentanone
Concen: 6.752 ug/L
RT: 7.28 min Scan# 1924
Delta R.T. 0.01 min
Lab File: VV008860.D
Acq: 06 Dec 2018 15:46

Tgt Ion: 43 Resp: 9640
Ion Ratio Lower Upper
43 100
58 42.7 32.2 48.4
100 16.1 13.8 20.8





#44

Toluene

Concen: 2.625 ug/L

RT: 7.43 min Scan# 1973

Delta R.T. 0.00 min

Lab File: VV008860.D

Acq: 06 Dec 2018 15:46

Instrument :

MSVOA_V

ClientSampleId :

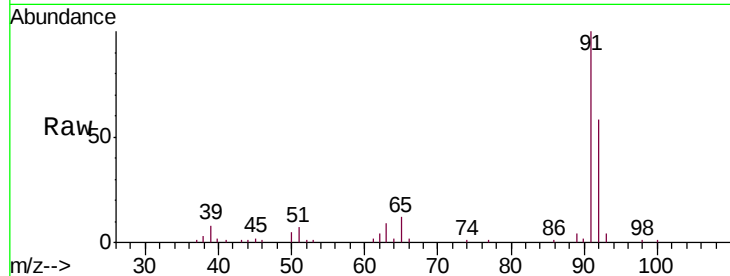
VSTD2.566

Tgt Ion: 91 Resp: 27334

Ion Ratio Lower Upper

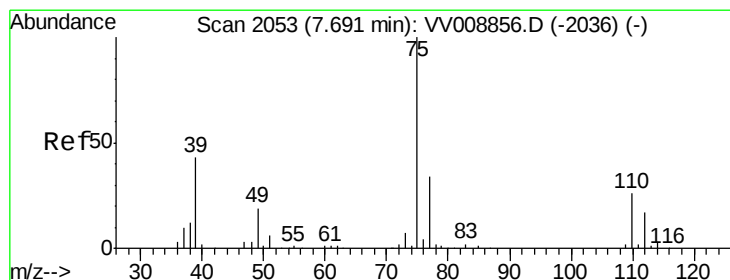
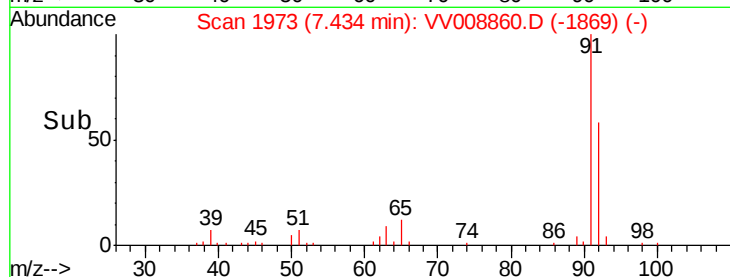
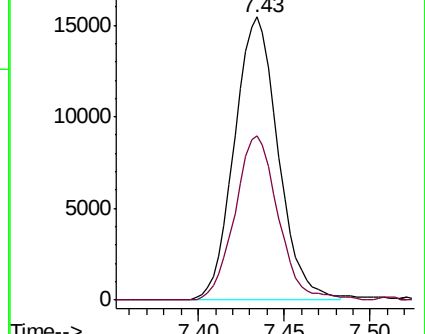
91 100

92 58.0 41.7 77.5



Abundance Ion 91.00 (90.70 to 91.70): VV008860.D (-1958) (-)

Ion 92.00 (91.70 to 92.70): VV008860.D (-1958) (-)



#45

trans-1,3-Dichloropropene

Concen: 2.367 ug/L

RT: 7.70 min Scan# 2055

Delta R.T. 0.01 min

Lab File: VV008860.D

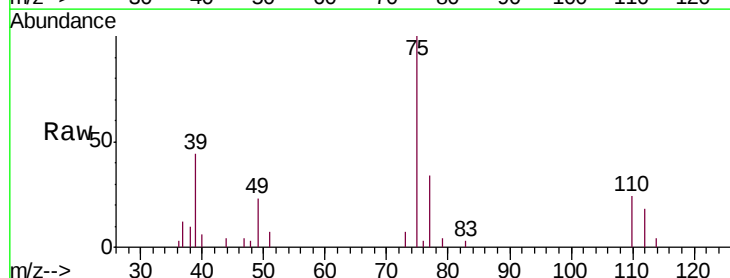
Acq: 06 Dec 2018 15:46

Tgt Ion: 75 Resp: 7191

Ion Ratio Lower Upper

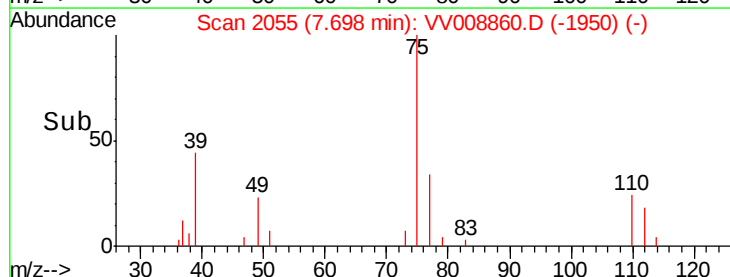
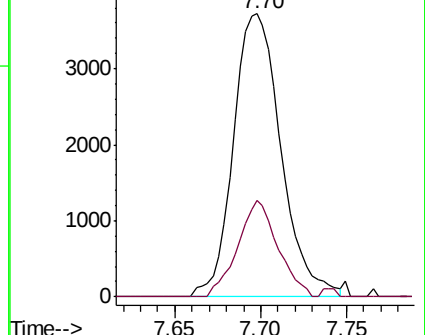
75 100

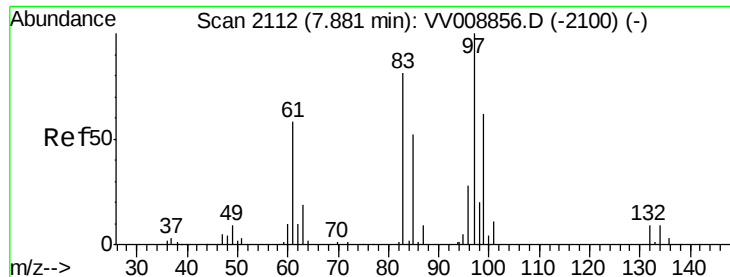
77 34.0 23.6 43.8



Abundance Ion 75.00 (74.70 to 75.70): VV008860.D (-1950) (-)

Ion 77.00 (76.70 to 77.70): VV008860.D (-1950) (-)

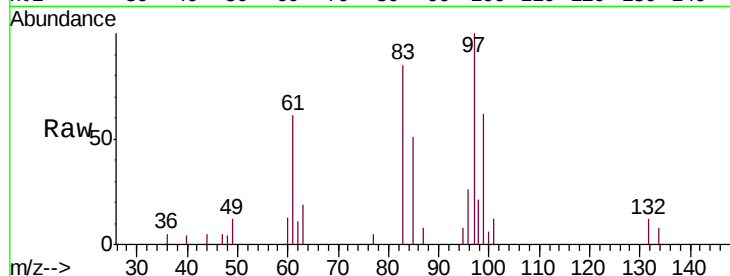




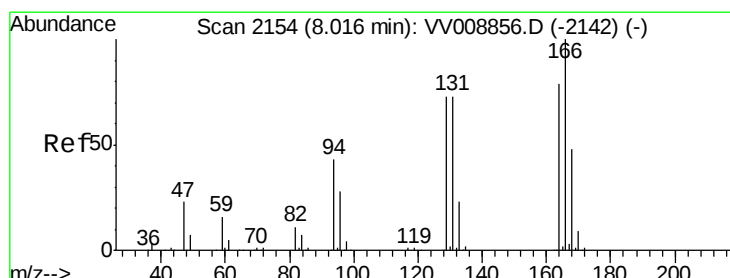
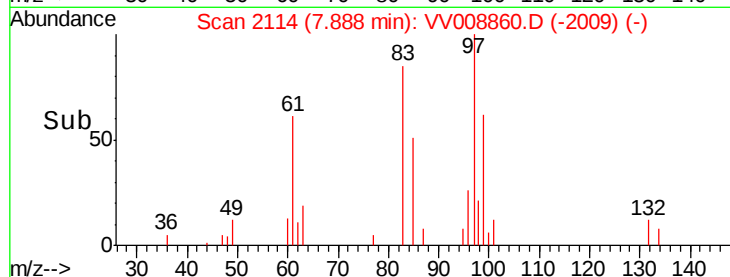
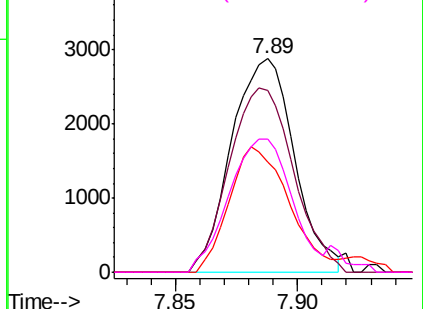
#46
 1,1,2-Trichloroethane
 Concen: 2.716 ug/L
 RT: 7.89 min Scan# 2114
 Delta R.T. 0.01 min
 Lab File: VV008860.D
 Acq: 06 Dec 2018 15:46

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD2.566

Tgt Ion:	97	Resp:	5171
Ion	Ratio	Lower	Upper
97	100		
83	85.3	56.6	105.2
85	51.4	36.6	68.0
99	62.3	43.2	80.2

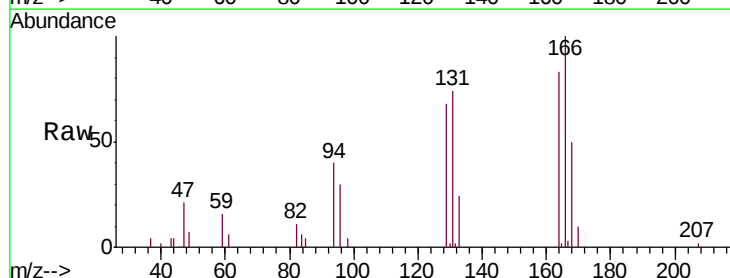


Abundance Ion 97.00 (96.70 to 97.70): VV008860.D (-2099) (-)
 Ion 83.00 (82.70 to 83.70): VV008860.D (-2099) (-)
 Ion 85.00 (84.70 to 85.70): VV008860.D (-2099) (-)
 Ion 99.00 (98.70 to 99.70): VV008860.D (-2099) (-)

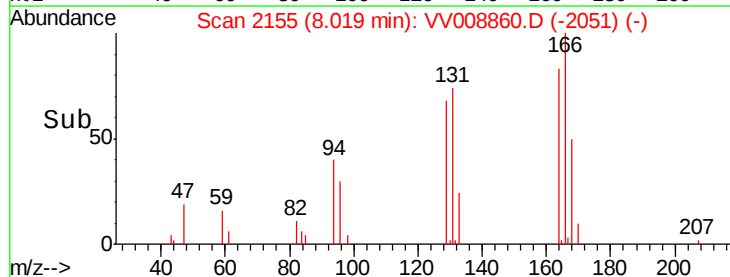
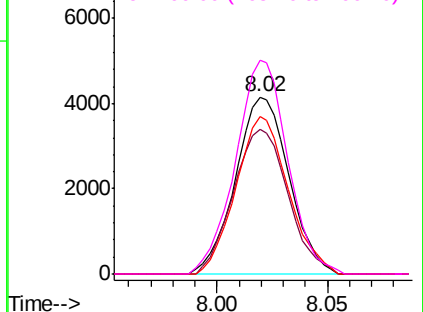


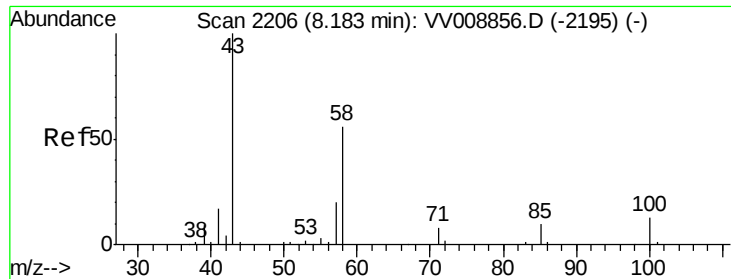
#47
 Tetrachloroethene
 Concen: 2.952 ug/L
 RT: 8.02 min Scan# 2155
 Delta R.T. 0.00 min
 Lab File: VV008860.D
 Acq: 06 Dec 2018 15:46

Tgt Ion:	164	Resp:	6990
Ion	Ratio	Lower	Upper
164	100		
129	81.7	64.6	120.0
131	89.1	64.5	119.7
166	120.7	88.7	164.7



Abundance Ion 164.00 (163.70 to 164.70): VV008860.D (-2051) (-)
 Ion 129.00 (128.70 to 129.70): VV008860.D (-2051) (-)
 Ion 131.00 (130.70 to 131.70): VV008860.D (-2051) (-)
 Ion 166.00 (165.70 to 166.70): VV008860.D (-2051) (-)

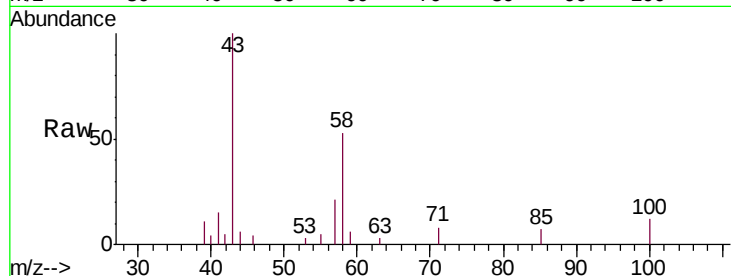




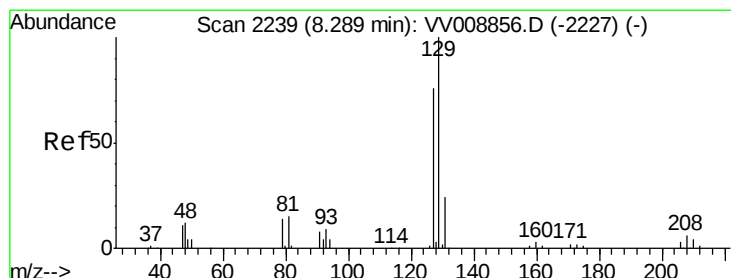
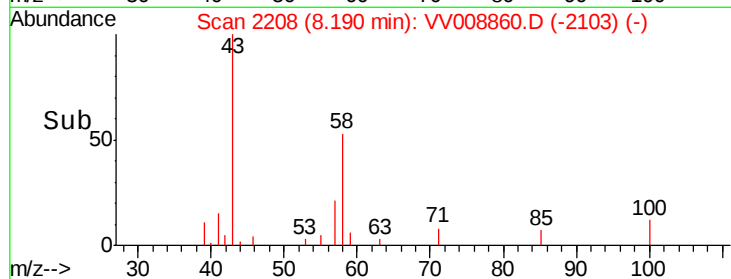
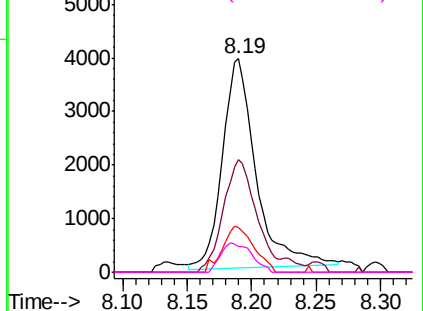
#49
2-Hexanone
Concen: 5.646 ug/L
RT: 8.19 min Scan# 2208
Delta R.T. 0.01 min
Lab File: VV008860.D
Acq: 06 Dec 2018 15:46

Instrument :
MSVOA_V
ClientSampleId :
VSTD2.566

Tgt Ion:	43	Resp:	7122
Ion	Ratio	Lower	Upper
43	100		
58	52.0	43.9	65.9
57	18.9	15.7	23.5
100	12.7	11.0	16.4

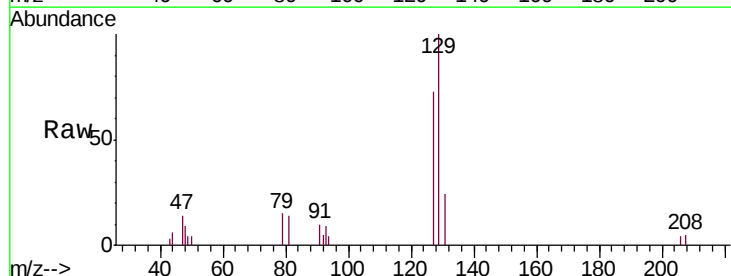


Abundance Ion 43.00 (42.70 to 43.70): VV008860.D (-2195) (-)
Ion 58.00 (57.70 to 58.70): VV008860.D (-2195) (-)
Ion 57.00 (56.70 to 57.70): VV008860.D (-2195) (-)
Ion 100.00 (99.70 to 100.70): VV008860.D (-2195) (-)

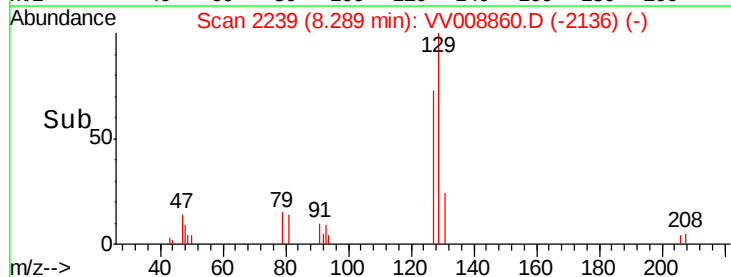
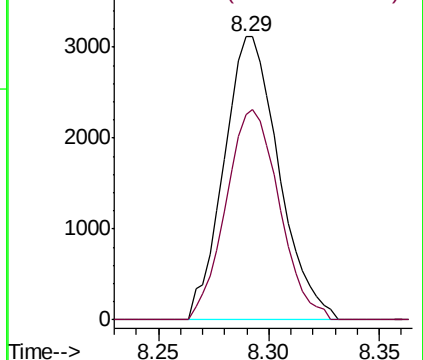


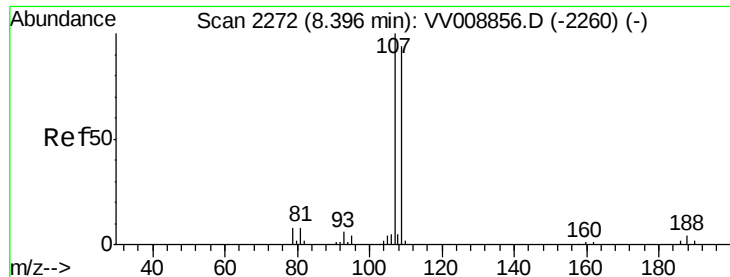
#50
Dibromochloromethane
Concen: 2.385 ug/L
RT: 8.29 min Scan# 2239
Delta R.T. 0.00 min
Lab File: VV008860.D
Acq: 06 Dec 2018 15:46

Tgt Ion:	129	Resp:	5400
Ion	Ratio	Lower	Upper
129	100		
127	72.6	53.5	99.3



Abundance Ion 129.00 (128.70 to 129.70): VV008860.D (-2136) (-)
Ion 127.00 (126.70 to 127.70): VV008860.D (-2136) (-)





#51

1,2-Dibromoethane

Concen: 2.674 ug/L

RT: 8.40 min Scan# 2273

Delta R.T. 0.00 min

Lab File: VV008860.D

Acq: 06 Dec 2018 15:46

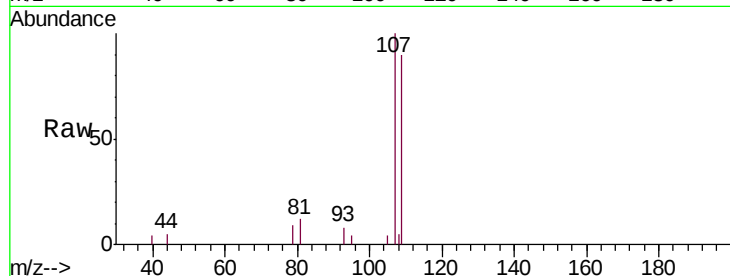
Instrument :

MSVOA_V

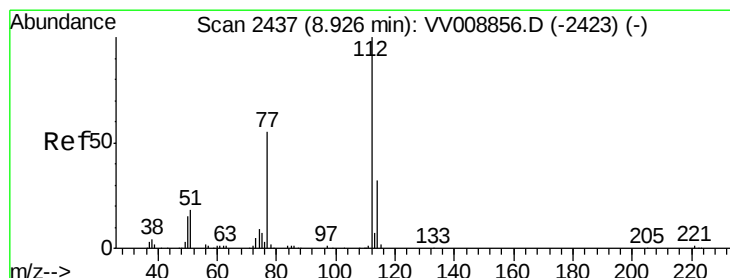
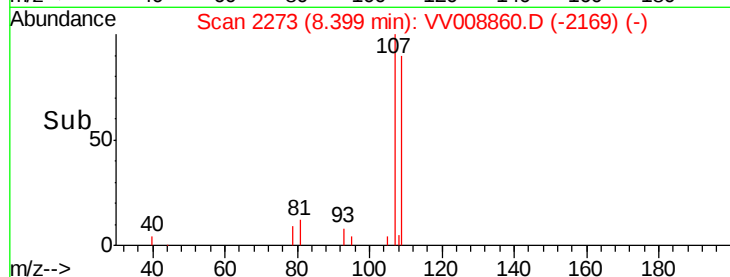
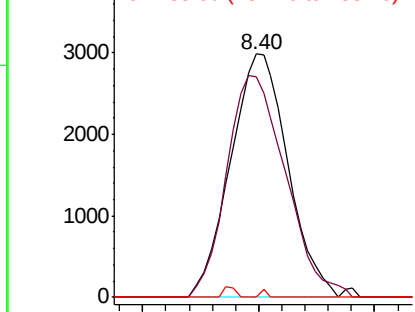
ClientSampleId :

VSTD2.566

Tgt Ion:	107	Resp:	5121
Ion	Ratio	Lower	Upper
107	100		
109	90.4	65.8	122.2
188	0.0	3.0	4.6#



Abundance Ion 107.00 (106.70 to 107.70): V
Ion 109.00 (108.70 to 109.70): V
Ion 188.00 (187.70 to 188.70): V



#52

Chlorobenzene

Concen: 2.732 ug/L

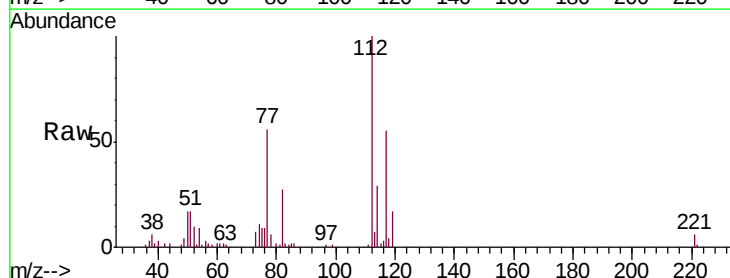
RT: 8.93 min Scan# 2437

Delta R.T. 0.00 min

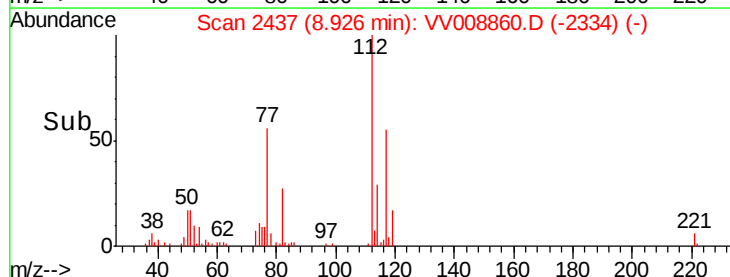
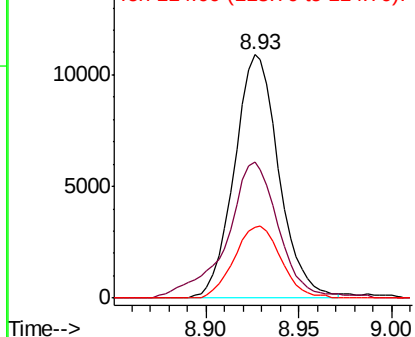
Lab File: VV008860.D

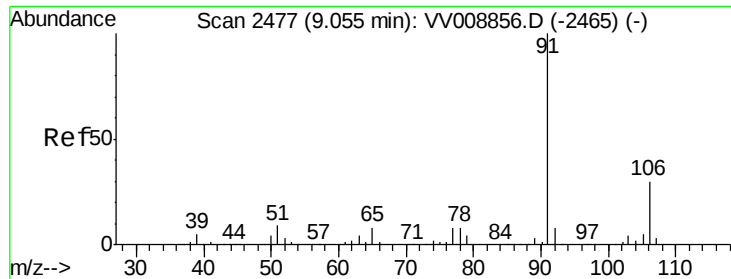
Acq: 06 Dec 2018 15:46

Tgt Ion:	112	Resp:	18170
Ion	Ratio	Lower	Upper
112	100		
77	55.7	44.6	66.8
114	29.3	22.6	42.0



Abundance Ion 112.00 (111.70 to 112.70): V
Ion 77.00 (76.70 to 77.70): V
Ion 114.00 (113.70 to 114.70): V





#53

Ethylbenzene

Concen: 2.535 ug/L

RT: 9.06 min Scan# 2478

Delta R.T. 0.00 min

Lab File: VV008860.D

Acq: 06 Dec 2018 15:46

Instrument :

MSVOA_V

ClientSampleId :

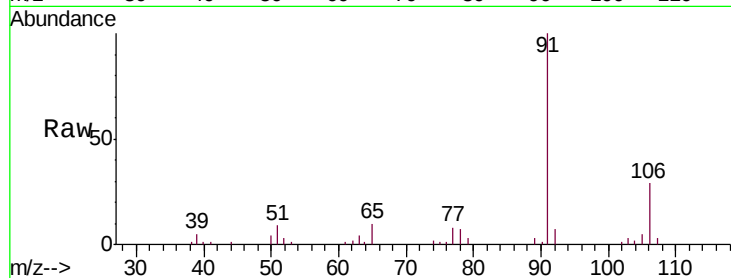
VSTD2.566

Tgt Ion: 91 Resp: 28961

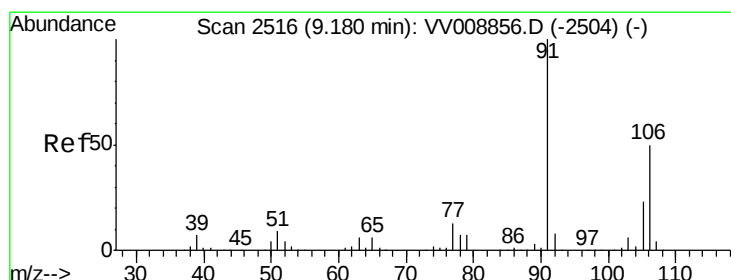
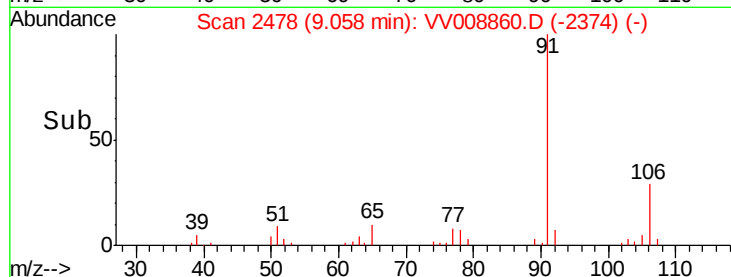
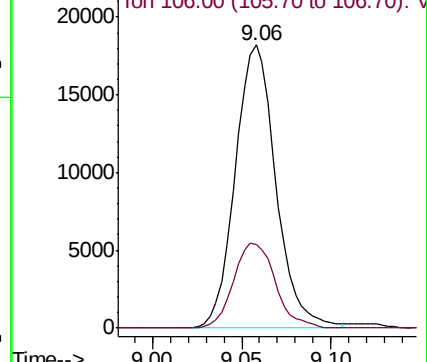
Ion Ratio Lower Upper

91 100

106 29.4 21.3 39.5



Abundance Ion 91.00 (90.70 to 91.70): VV008856.D (-2465) (-)



#54

m,p-Xylene

Concen: 2.453 ug/L

RT: 9.18 min Scan# 2517

Delta R.T. 0.00 min

Lab File: VV008860.D

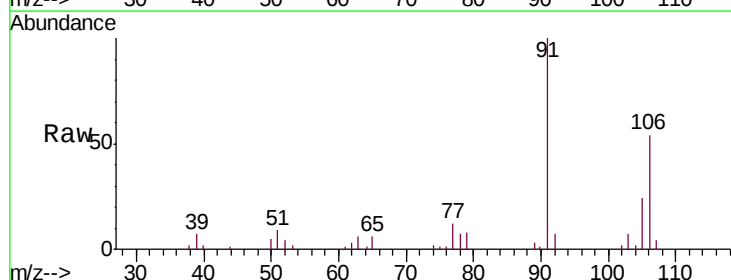
Acq: 06 Dec 2018 15:46

Tgt Ion: 106 Resp: 10672

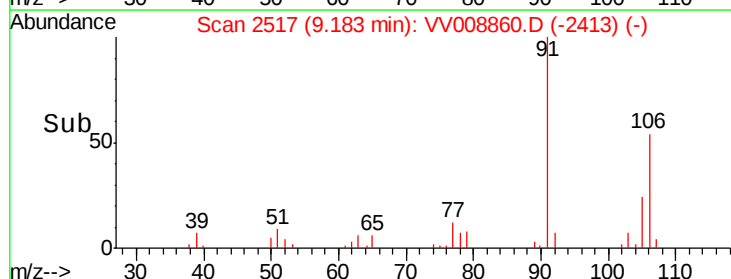
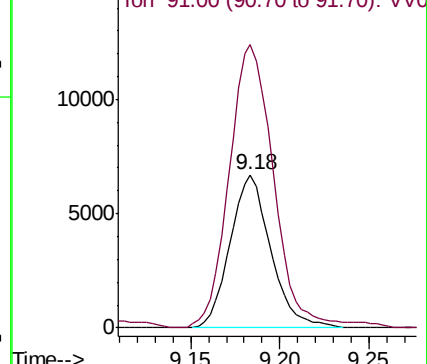
Ion Ratio Lower Upper

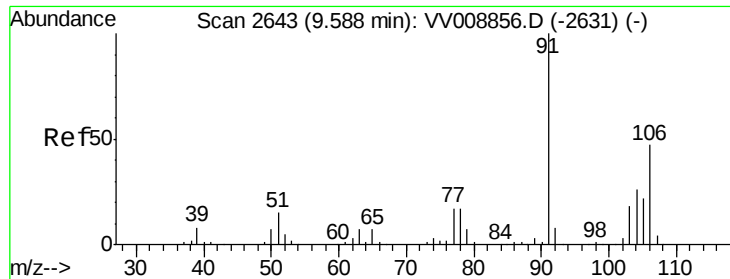
106 100

91 184.8 141.3 262.3



Abundance Ion 106.00 (105.70 to 106.70): VV008856.D (-2504) (-)





#55

o-xylene

Concen: 2.465 ug/L

RT: 9.59 min Scan# 2643

Delta R.T. 0.00 min

Lab File: VV008860.D

Acq: 06 Dec 2018 15:46

Instrument :

MSVOA_V

ClientSampleId :

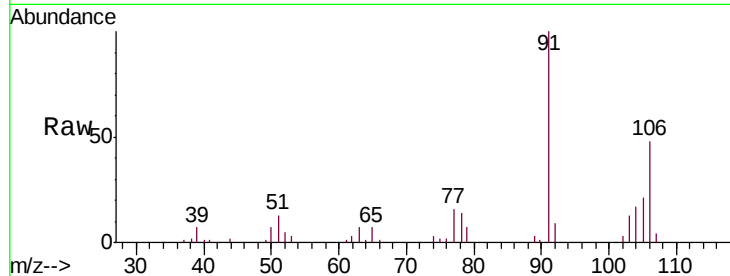
VSTD2.566

Tgt Ion:106 Resp: 9943

Ion Ratio Lower Upper

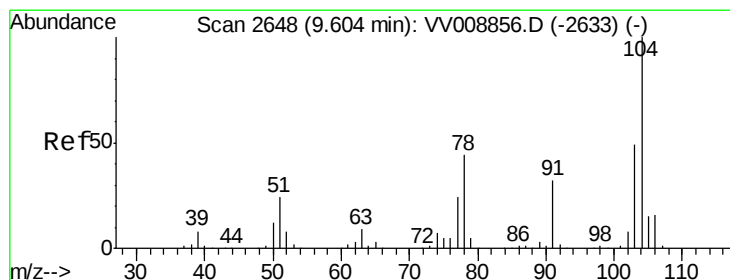
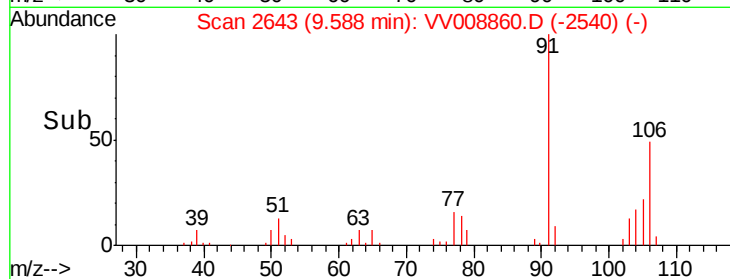
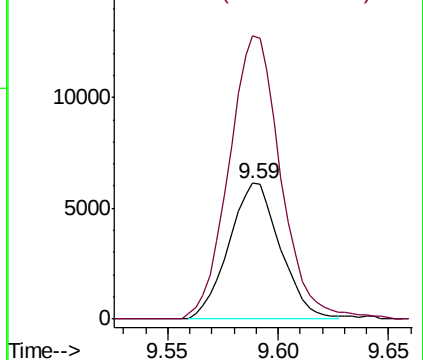
106 100

91 208.4 148.3 275.5



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VV0



#56

Styrene

Concen: 2.278 ug/L

RT: 9.61 min Scan# 2649

Delta R.T. 0.00 min

Lab File: VV008860.D

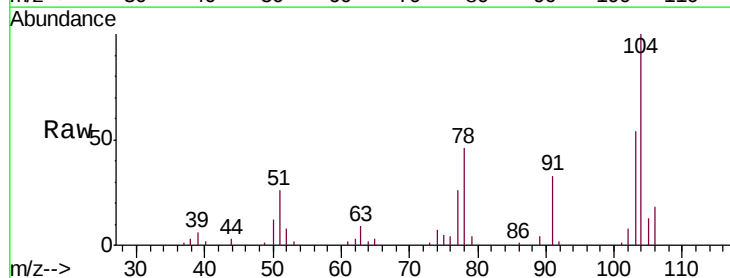
Acq: 06 Dec 2018 15:46

Tgt Ion:104 Resp: 15240

Ion Ratio Lower Upper

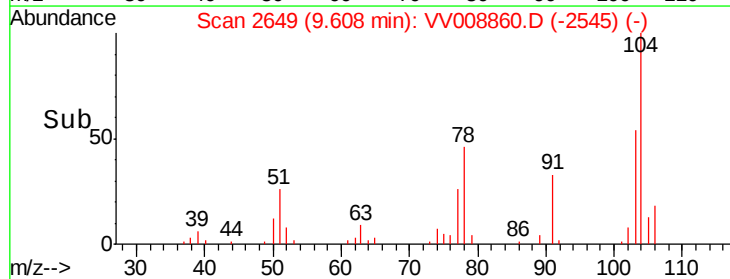
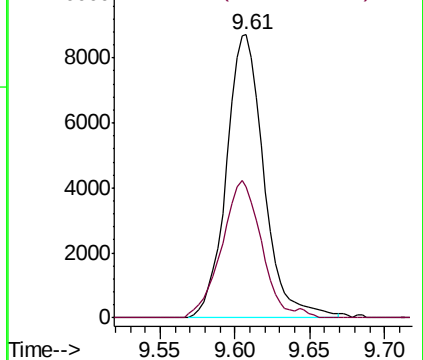
104 100

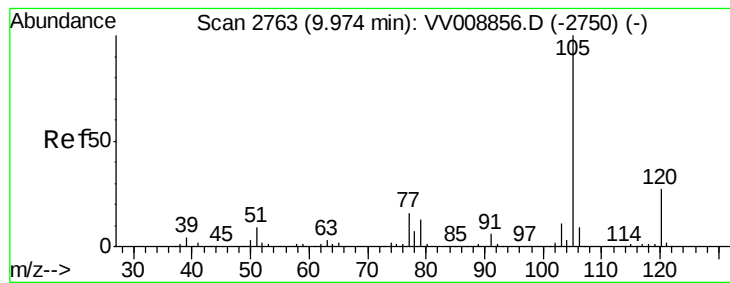
78 46.3 30.6 56.8



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VV0





#57

Isopropylbenzene

Concen: 2.545 ug/L

RT: 9.98 min Scan# 2764

Delta R.T. 0.00 min

Lab File: VV008860.D

Acq: 06 Dec 2018 15:46

Instrument :

MSVOA_V

ClientSampleId :

VSTD2.566

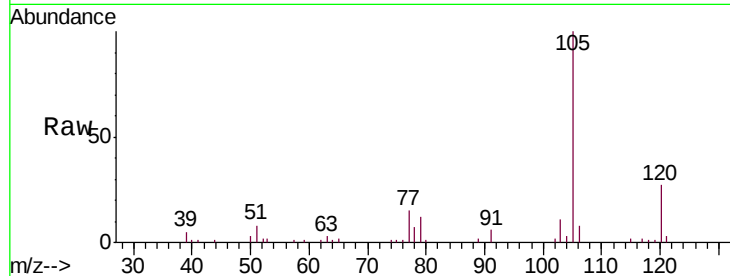
Tgt Ion: 105 Resp: 27692

Ion Ratio Lower Upper

105 100

120 26.2 21.7 32.5

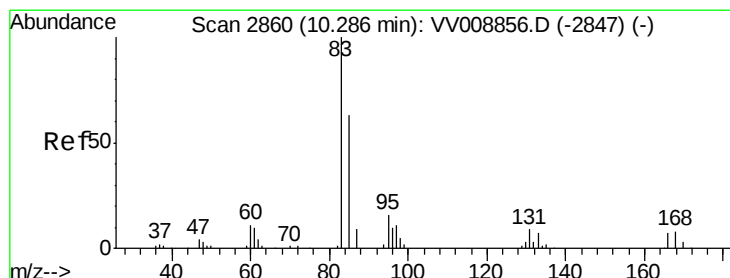
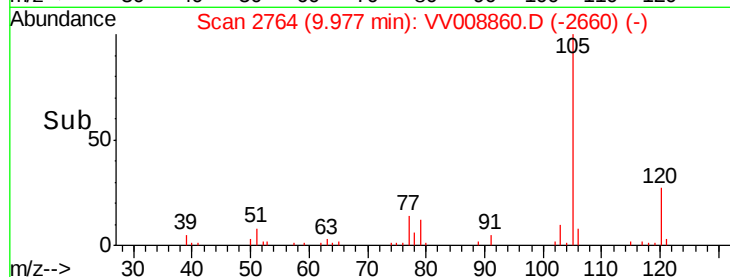
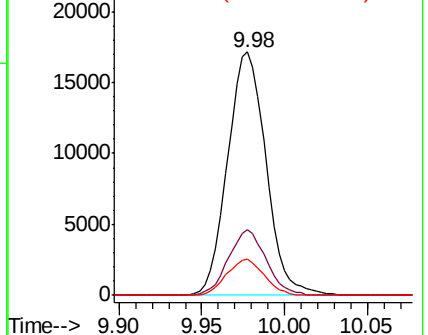
77 14.4 12.4 18.6



Abundance Ion 105.00 (104.70 to 105.70): VV008860.D (-2750) (-)

Ion 120.00 (119.70 to 120.70): VV008860.D (-2750) (-)

Ion 77.00 (76.70 to 77.70): VV008860.D (-2750) (-)



#58

1,1,2,2-Tetrachloroethane

Concen: 2.457 ug/L

RT: 10.29 min Scan# 2861

Delta R.T. 0.00 min

Lab File: VV008860.D

Acq: 06 Dec 2018 15:46

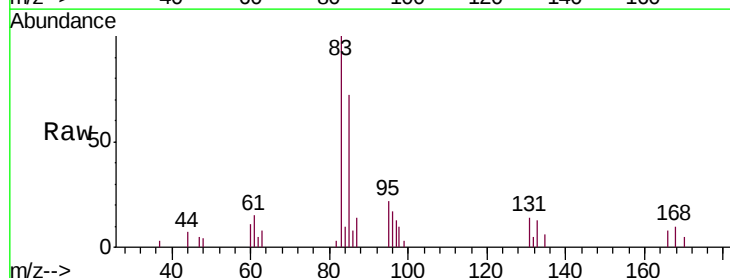
Tgt Ion: 83 Resp: 5121

Ion Ratio Lower Upper

83 100

85 71.6 44.3 82.3

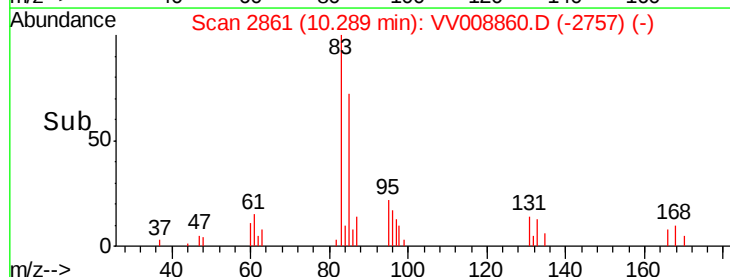
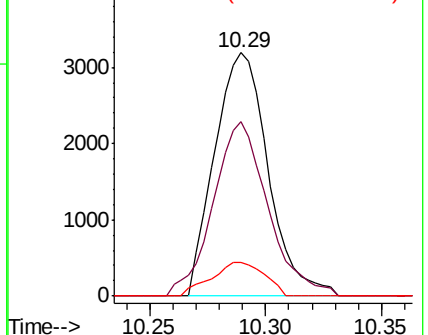
131 13.9 7.8 11.8#

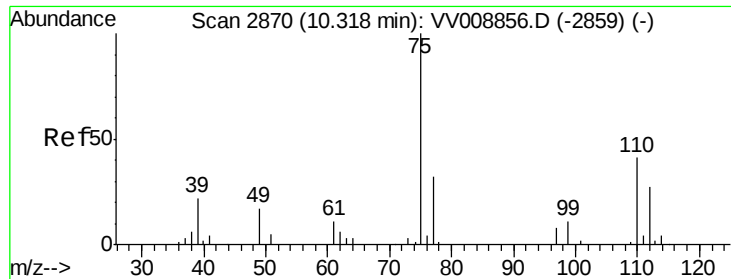


Abundance Ion 83.00 (82.70 to 83.70): VV008860.D (-2757) (-)

Ion 85.00 (84.70 to 85.70): VV008860.D (-2757) (-)

Ion 131.00 (130.70 to 131.70): VV008860.D (-2757) (-)

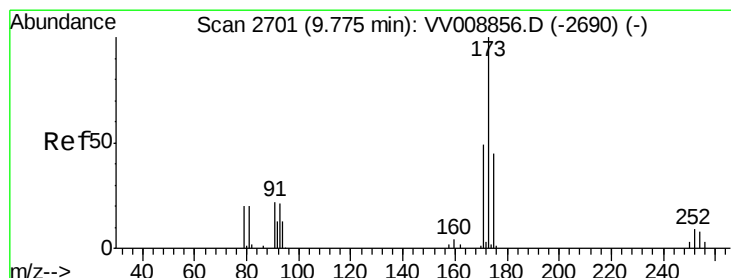
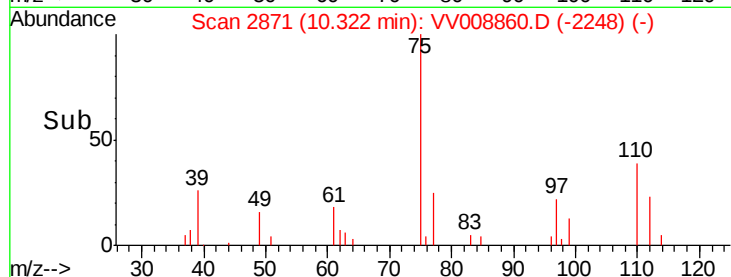
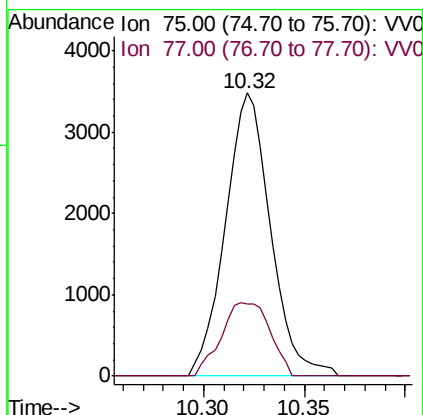
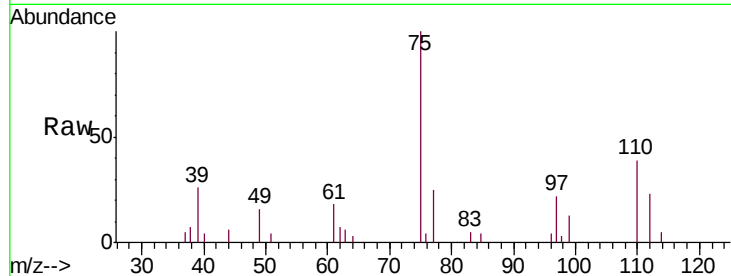




#59
 1,2,3-Trichloropropane
 Concen: 3.191 ug/L
 RT: 10.32 min Scan# 2871
 Delta R.T. 0.00 min
 Lab File: VV008860.D
 Acq: 06 Dec 2018 15:46

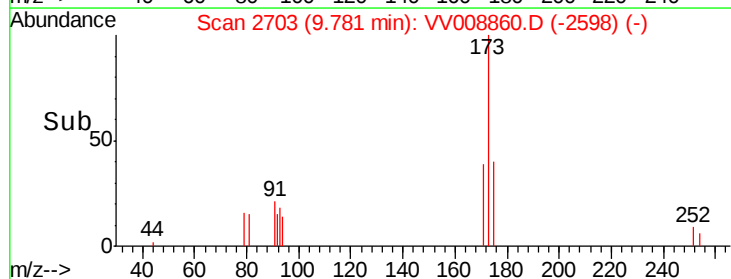
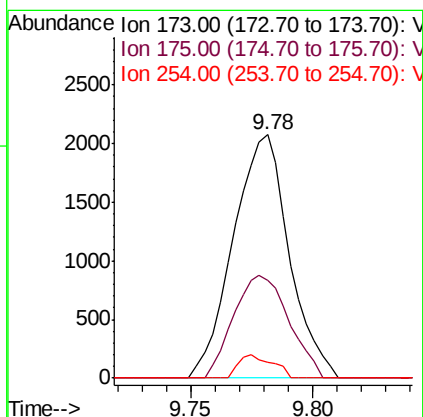
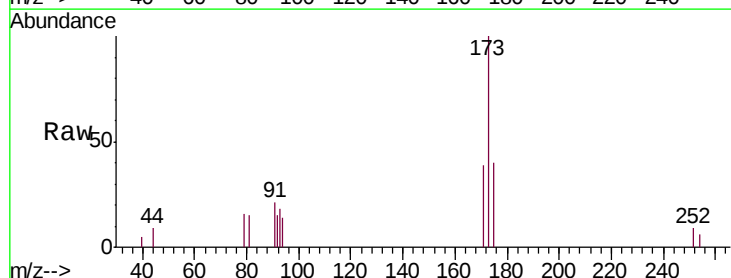
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD2.566

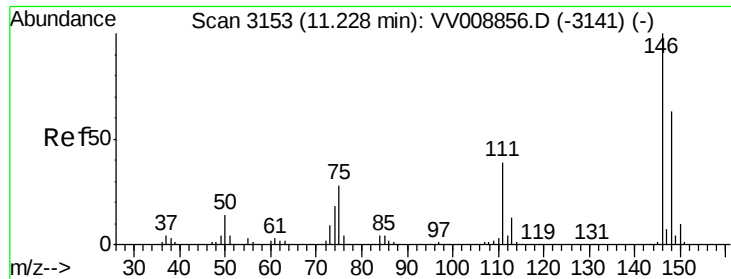
Tgt Ion: 75 Resp: 5457
 Ion Ratio Lower Upper
 75 100
 77 28.0 25.6 38.4



#62
 Bromoform
 Concen: 2.720 ug/L
 RT: 9.78 min Scan# 2703
 Delta R.T. 0.01 min
 Lab File: VV008860.D
 Acq: 06 Dec 2018 15:46

Tgt Ion: 173 Resp: 3295
 Ion Ratio Lower Upper
 173 100
 175 41.9 37.7 56.5
 254 5.9 7.1 10.7#

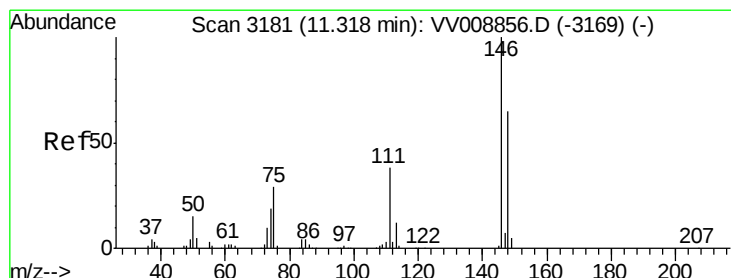
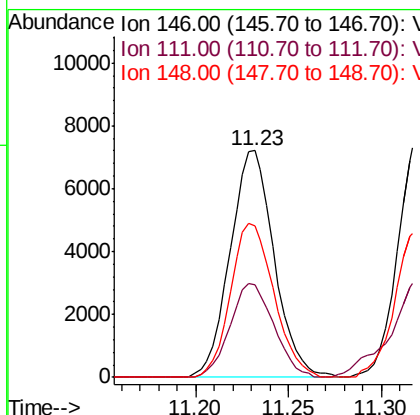
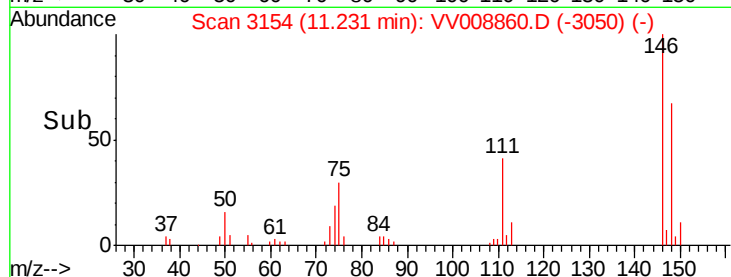
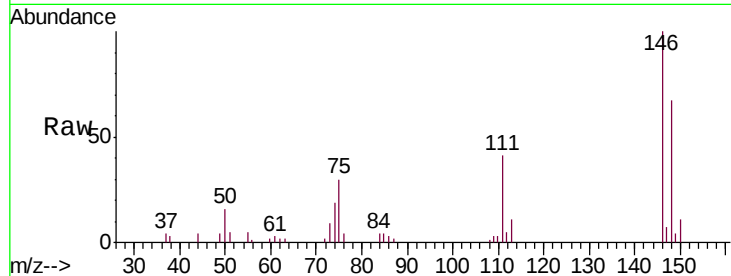




#63
 1,3-Dichlorobenzene
 Concen: 2.735 ug/L
 RT: 11.23 min Scan# 3154
 Delta R.T. 0.00 min
 Lab File: VV008860.D
 Acq: 06 Dec 2018 15:46

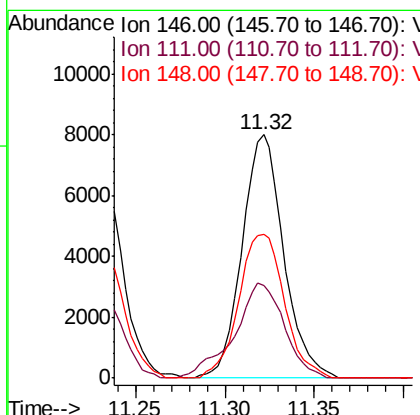
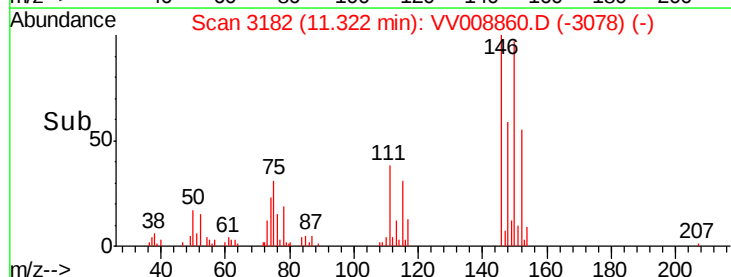
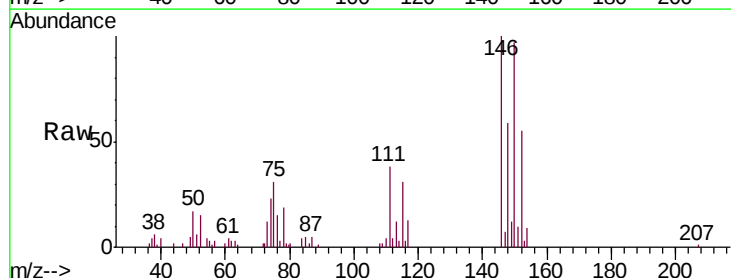
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD2.566

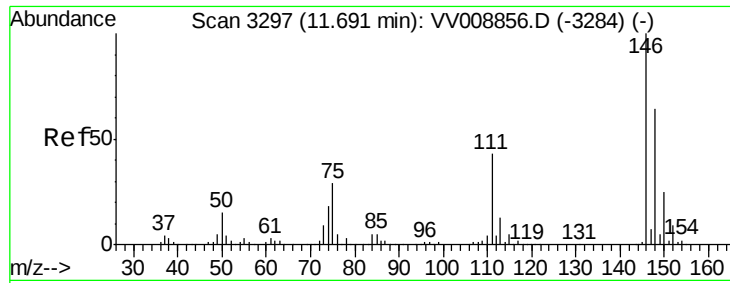
Tgt Ion:146 Resp: 11893
 Ion Ratio Lower Upper
 146 100
 111 40.5 27.5 51.1
 148 66.6 44.0 81.8



#64
 1,4-Dichlorobenzene
 Concen: 2.950 ug/L
 RT: 11.32 min Scan# 3182
 Delta R.T. 0.00 min
 Lab File: VV008860.D
 Acq: 06 Dec 2018 15:46

Tgt Ion:146 Resp: 13058
 Ion Ratio Lower Upper
 146 100
 111 38.1 26.8 49.8
 148 59.0 45.8 85.0





#65

1,2-Dichlorobenzene

Concen: 2.728 ug/L

RT: 11.69 min Scan# 3298

Delta R.T. 0.00 min

Lab File: VV008860.D

Acq: 06 Dec 2018 15:46

Instrument :

MSVOA_V

ClientSampleId :

VSTD2.566

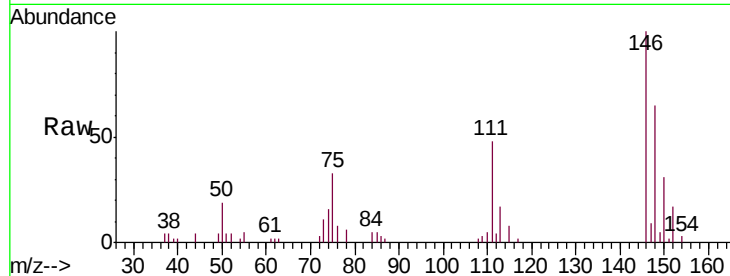
Tgt Ion:146 Resp: 11054

Ion Ratio Lower Upper

146 100

111 48.5 34.2 51.4

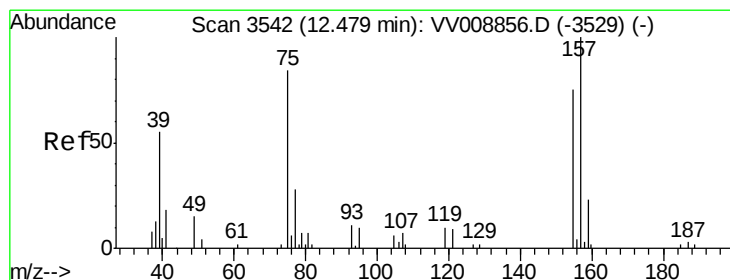
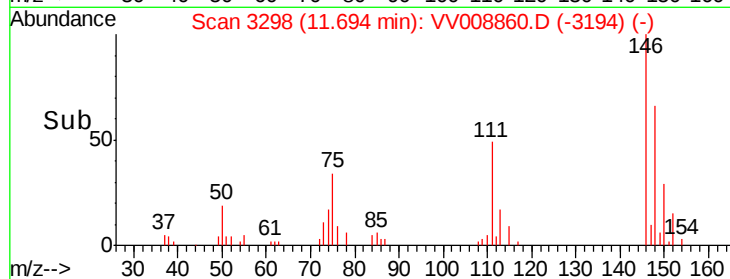
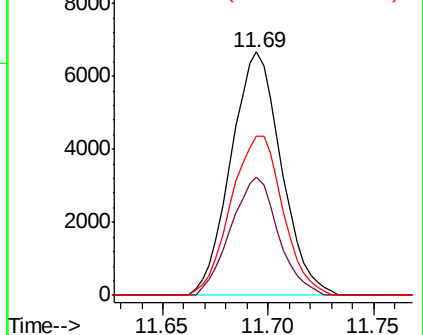
148 65.1 51.0 76.6



Abundance Ion 146.00 (145.70 to 146.70): 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: 4.211 ug/L

RT: 12.69 min Scan# 3609

Delta R.T. 0.22 min

Lab File: VV008860.D

Acq: 06 Dec 2018 15:46

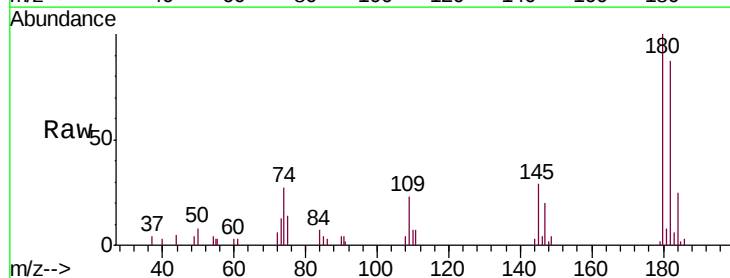
Tgt Ion: 75 Resp: 1316

Ion Ratio Lower Upper

75 100

157 0.0 95.8 143.6#

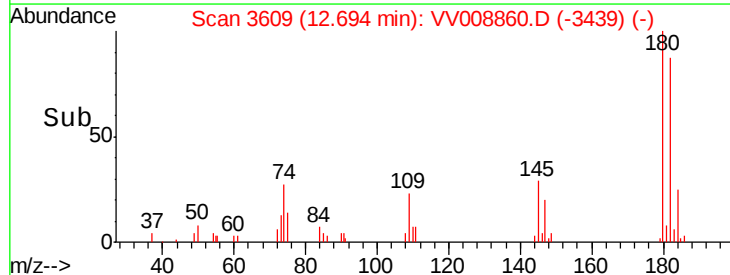
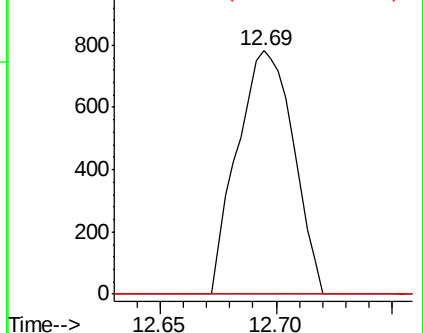
155 0.0 71.4 107.2#

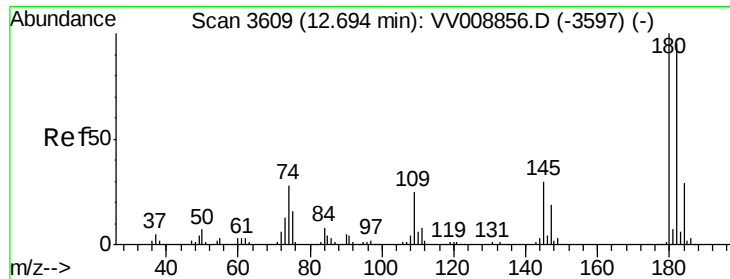


Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 157.00 (156.70 to 157.70): V

Ion 155.00 (154.70 to 155.70): V

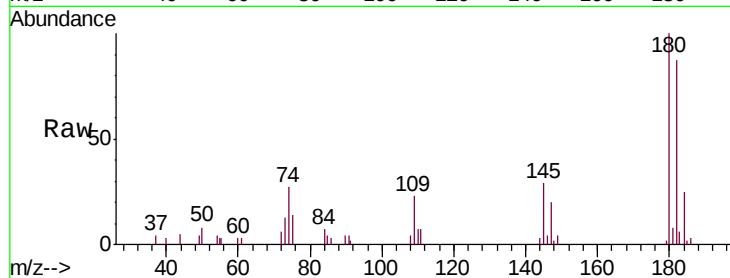




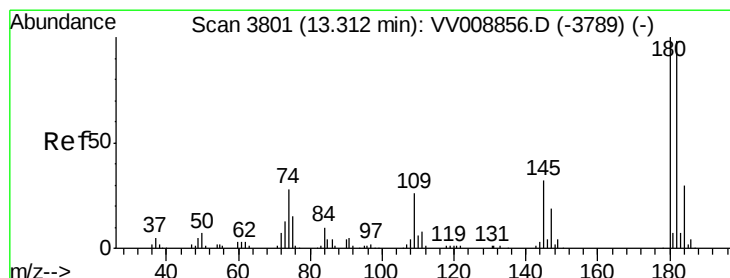
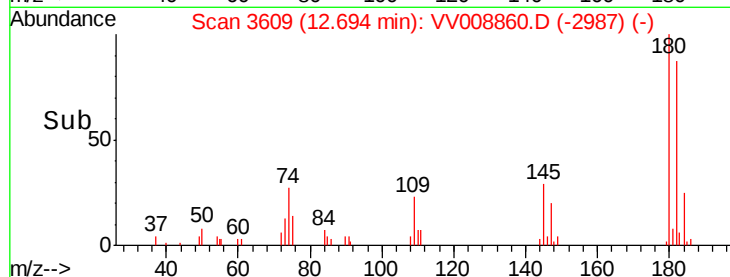
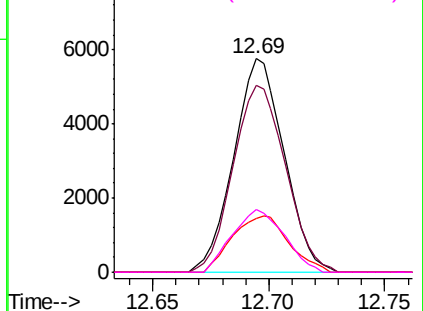
#67
 1,3,5-Trichlorobenzene
 Concen: 2.726 ug/L
 RT: 12.69 min Scan# 3609
 Delta R.T. 0.00 min
 Lab File: VV008860.D
 Acq: 06 Dec 2018 15:46

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD2.566

Tgt Ion:180 Resp: 8674
 Ion Ratio Lower Upper
 180 100
 182 91.3 75.9 113.9
 184 29.4 23.8 35.6
 145 30.3 24.2 36.4

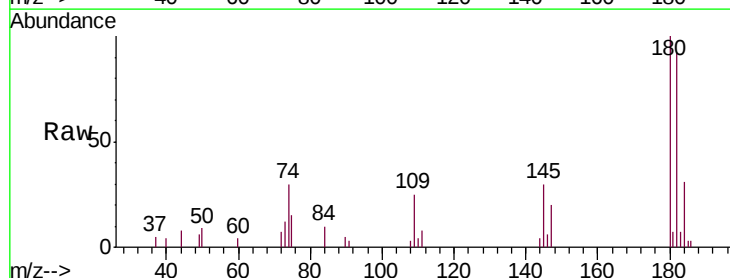


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

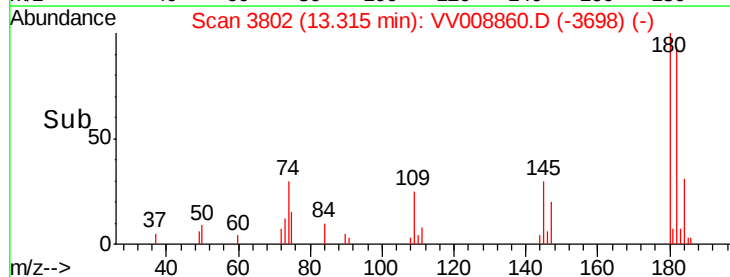
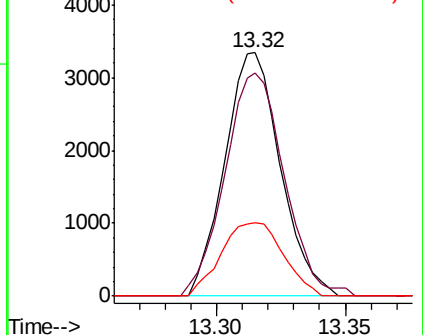


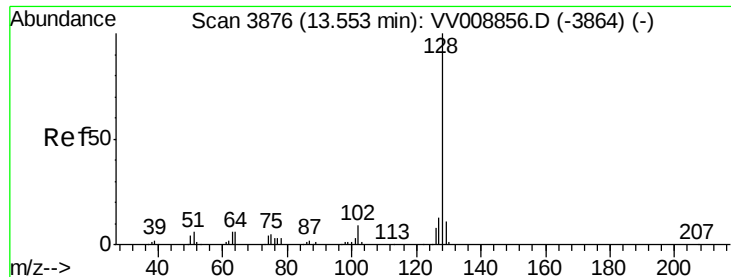
#68
 1,2,4-trichlorobenzene
 Concen: 2.254 ug/L
 RT: 13.32 min Scan# 3802
 Delta R.T. 0.00 min
 Lab File: VV008860.D
 Acq: 06 Dec 2018 15:46

Tgt Ion:180 Resp: 5044
 Ion Ratio Lower Upper
 180 100
 182 97.3 77.4 116.0
 145 33.5 25.6 38.4



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





#69

Naphthalene

Concen: 2.290 ug/L

RT: 13.56 min Scan# 3877

Delta R.T. 0.00 min

Lab File: VV008860.D

Acq: 06 Dec 2018 15:46

Instrument :

MSVOA_V

ClientSampleId :

VSTD2.566

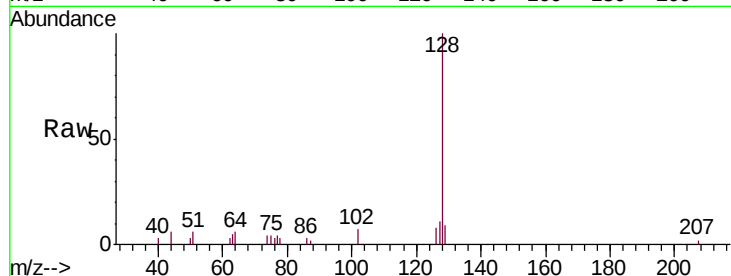
Tgt Ion:128 Resp: 8204

Ion Ratio Lower Upper

128 100

129 10.0 8.6 13.0

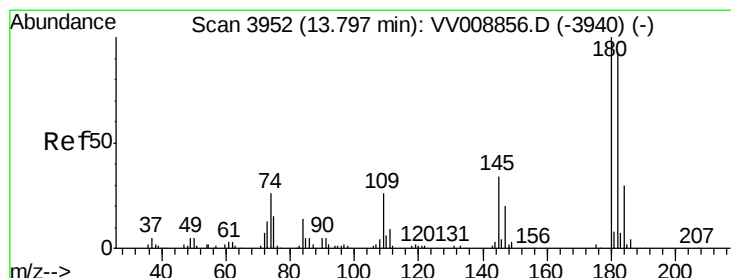
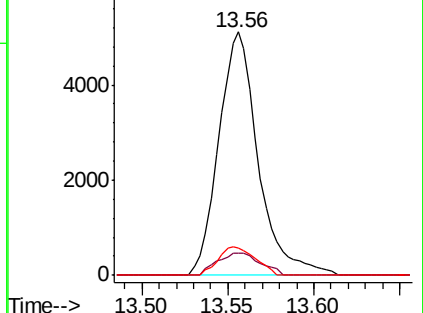
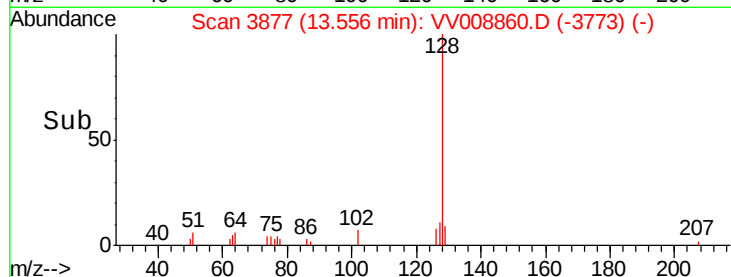
127 10.9 10.0 15.0



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#70

1,2,3-Trichlorobenzene

Concen: 2.291 ug/L

RT: 13.80 min Scan# 3952

Delta R.T. 0.00 min

Lab File: VV008860.D

Acq: 06 Dec 2018 15:46

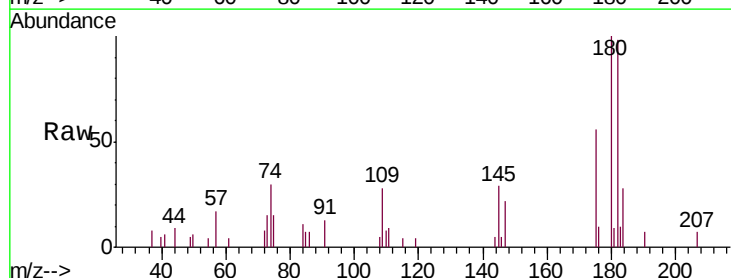
Tgt Ion:180 Resp: 4717

Ion Ratio Lower Upper

180 100

182 99.5 76.1 114.1

145 30.0 26.7 40.1



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

