

Data File : VV008580.D
Acq On : 16 Nov 2018 14:47
Operator : SY/MD
Sample : VSTD0.561
Misc : 25.0 mL/MSVOA_V/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VSTD0.561

Quant Time: Nov 17 04:20:07 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR111718WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Sat Nov 17 04:17:19 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.67	114	151787	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	134989	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	59229	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	3296	0.43	ug/L	0.00
7) Chloroethane-d5	1.58	69	2966	0.51	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.13	63	7228	0.49	ug/L	0.00
20) 2-Butanone-d5	3.99	46	6354	2.50	ug/L	0.02
24) Chloroform-d	4.40	84	9243	0.49	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.09	65	4373	0.44	ug/L	0.00
32) Benzene-d6	5.10	84	17100	0.47	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.12	67	5779	0.51	ug/L	0.00
41) Toluene-d8	7.36	98	16365	0.50	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.67	79	1998	0.44	ug/L	0.00
46) 2-Hexanone-d5	8.14	63	8715	4.31	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.26	84	3836	0.47	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.68	152	5621	0.51	ug/L	0.00

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.14	85	6318	0.477	ug/L	100
3) Chloromethane	1.25	50	5645	0.520	ug/L	96
5) Vinyl chloride	1.32	62	4802	0.467	ug/L	93
6) Bromomethane	1.54	94	3432	0.548	ug/L	95
8) Chloroethane	1.60	64	3007	0.546	ug/L	99
9) Trichlorofluoromethane	1.77	101	6899	0.531	ug/L	92
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	3788	0.483	ug/L	92
12) 1,1-Dichloroethene	2.14	96	3633	0.523	ug/L	91
13) Acetone	2.23	43	4580	3.449	ug/L	94
14) Carbon disulfide	2.32	76	12034	0.525	ug/L #	91
15) Methyl Acetate	2.48	43	1410	0.426	ug/L #	90
16) Methylene chloride	2.54	84	5486	0.703	ug/L	94
17) Methyl tert-butyl Ether	2.81	73	9648	0.522	ug/L #	93
18) trans-1,2-Dichloroethene	2.79	96	4024	0.511	ug/L	84
19) 1,1-Dichloroethane	3.23	63	10321	0.619	ug/L	99
21) 2-Butanone	4.08	43	14638	5.197	ug/L #	71
22) cis-1,2-Dichloroethene	3.96	96	5839	0.492	ug/L	94
23) Bromochloromethane	4.31	128	1994	0.433	ug/L #	92
25) Chloroform	4.43	83	17360	0.851	ug/L	94
27) 1,2-Dichloroethane	5.19	62	6193	0.481	ug/L #	94
29) 1,1,1-Trichloroethane	4.66	97	8672	0.515	ug/L	98
30) Cyclohexane	4.72	56	9871	0.527	ug/L	98
31) Carbon tetrachloride	4.87	117	7003	0.479	ug/L	95
33) Benzene	5.15	78	22291	0.533	ug/L	100
34) Trichloroethene	5.96	95	5918	0.530	ug/L	98
35) Methylcyclohexane	6.17	83	9859	0.535	ug/L	98
37) 1,2-Dichloropropane	6.23	63	5796	0.516	ug/L #	98
38) Bromodichloromethane	6.56	83	7780	0.591	ug/L	95
39) cis-1,3-Dichloropropene	7.07	75	7112	0.469	ug/L	97
40) 4-Methyl-2-pentanone	7.28	43	34065	5.118	ug/L	98

Data File : VV008580.D
Acq On : 16 Nov 2018 14:47
Operator : SY/MD
Sample : VSTD0.561
Misc : 25.0 mL/MSVOA_V/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VSTD0.561

Quant Time: Nov 17 04:20:07 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR111718WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Sat Nov 17 04:17:19 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.43	91	23200	0.534	ug/L	97
44) trans-1,3-Dichloropropene	7.70	75	5678	0.466	ug/L	91
45) 1,1,2-Trichloroethane	7.89	97	3627	0.515	ug/L	94
47) Tetrachloroethene	8.02	164	4337	0.536	ug/L	95
48) 2-Hexanone	8.20	43	20593	4.533	ug/L	96
49) Dibromochloromethane	8.29	129	3877	0.478	ug/L	96
50) 1,2-Dibromoethane	8.40	107	3080	0.468	ug/L #	90
51) Chlorobenzene	8.93	112	13896	0.521	ug/L	97
52) Ethylbenzene	9.06	91	25022	0.520	ug/L	97
53) m,p-xylene	9.18	106	9186	0.522	ug/L	95
54) o-xylene	9.59	106	9081	0.537	ug/L	99
55) Styrene	9.61	104	13593	0.482	ug/L	96
56) Isopropylbenzene	9.98	105	23859	0.520	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.29	83	4158	0.496	ug/L	97
59) 1,2,3-Trichloropropane	10.32	75	3274	0.514	ug/L	93
61) Bromoform	9.78	173	1821	0.471	ug/L #	96
62) 1,3-Dichlorobenzene	11.23	146	10308	0.528	ug/L	96
63) 1,4-Dichlorobenzene	11.32	146	9460	0.496	ug/L	96
65) 1,2-Dichlorobenzene	11.69	146	10147	0.555	ug/L	94
66) 1,2-Dibromo-3-chloropropan	12.48	75	533	0.394	ug/L #	83
67) 1,3,5-Trichlorobenzene	12.70	180	7173	0.530	ug/L	98
68) 1,2,4-trichlorobenzene	13.32	180	5252	0.497	ug/L	95
69) Naphthalene	13.56	128	8466	0.447	ug/L	98
70) 1,2,3-Trichlorobenzene	13.80	180	4968	0.487	ug/L	96

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

Data File : VV008580.D

Acq On : 16 Nov 2018 14:47

Operator : SY/MD

Sample : VSTD0.561

Misc : 25.0 mL/MSVOA V/WATER

```
ALS Vial      : 2      Sample Multiplier: 1
```

Instrument :
MSVOA_V
ClientSampleId :
VSTD0.561

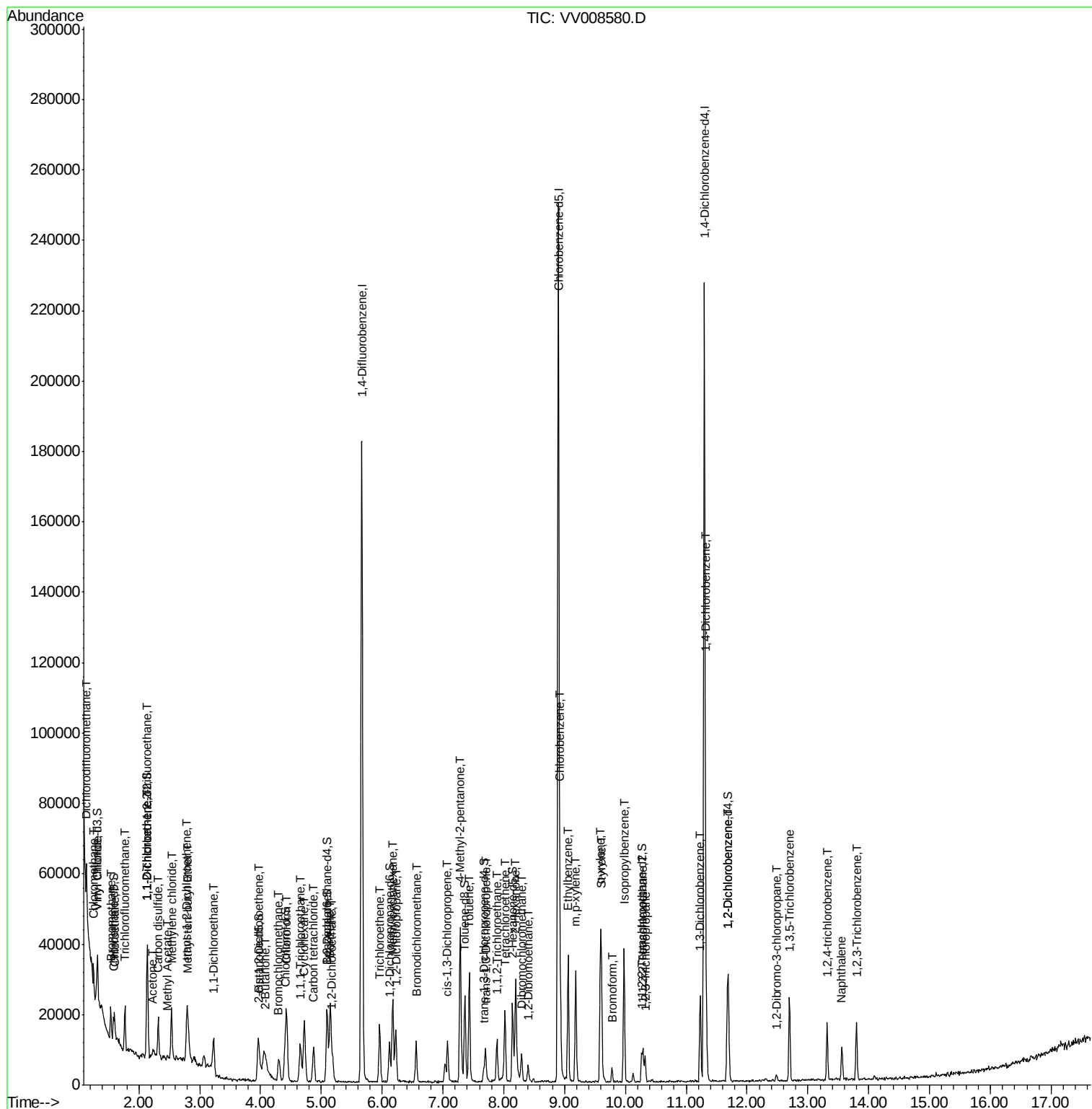
Quant Time: Nov 17 04:20:07 2018

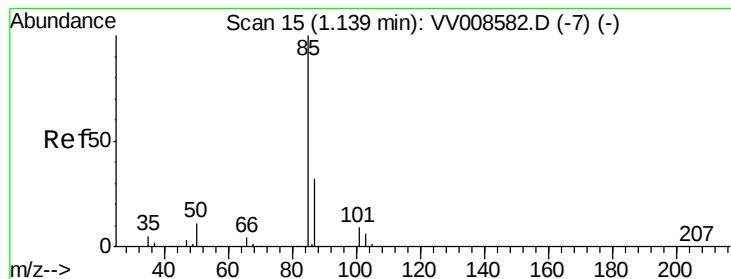
Quant Method : Z:\V0ASRV\HPCHEM1\MSV0A_V\METHOD\SOMVTR111718WMA.M

Quant Title : TRACE VOA SOM01.0

QLast Update : Sat Nov 17 04:17:19 2018

Response via : Initial Calibration





#2

Dichlorodifluoromethane

Concen: 0.477 ug/L

RT: 1.14 min Scan# 15

Delta R.T. 0.00 min

Lab File: VV008580.D

Acq: 16 Nov 2018 14:47

Instrument :

MSVOA_V

ClientSampleId :

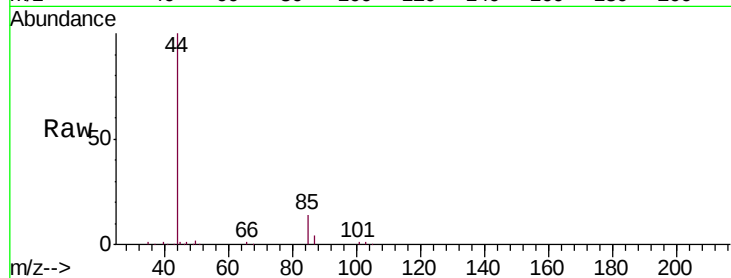
VSTD0.561

Tgt Ion: 85 Resp: 6318

Ion Ratio Lower Upper

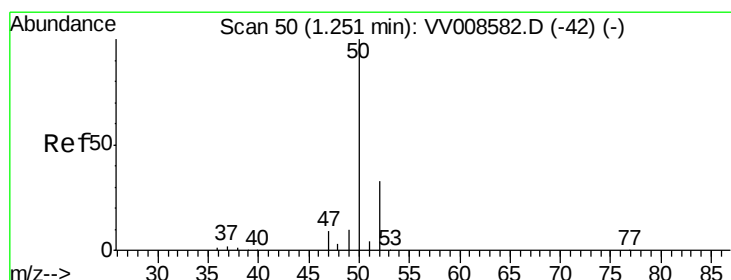
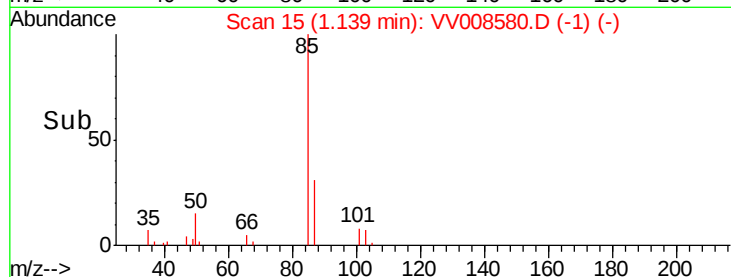
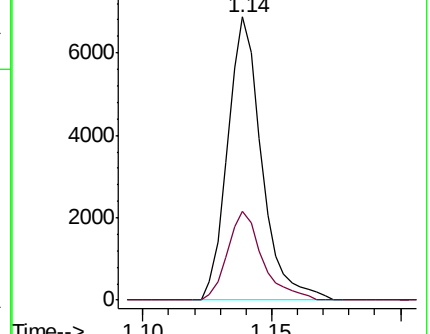
85 100

87 32.2 25.7 38.5



Abundance Ion 85.00 (84.70 to 85.70): VV008580.D (-7) (-)

Ion 87.00 (86.70 to 87.70): VV008580.D (-7) (-)



#3

Chloromethane

Concen: 0.520 ug/L

RT: 1.25 min Scan# 50

Delta R.T. 0.00 min

Lab File: VV008580.D

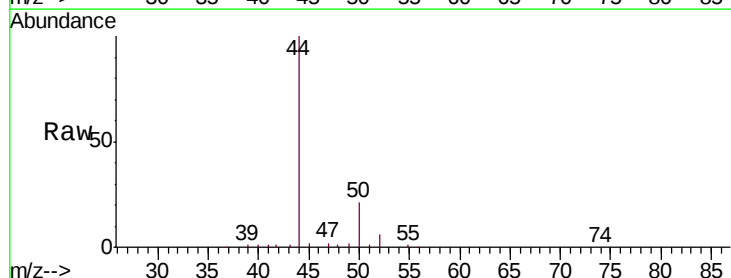
Acq: 16 Nov 2018 14:47

Tgt Ion: 50 Resp: 5645

Ion Ratio Lower Upper

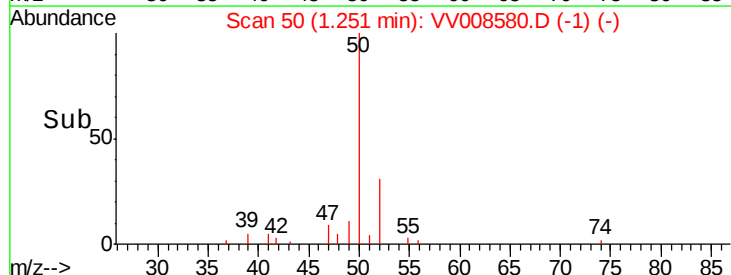
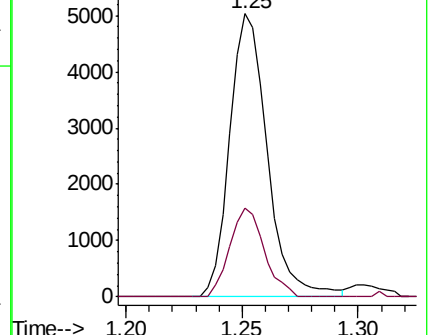
50 100

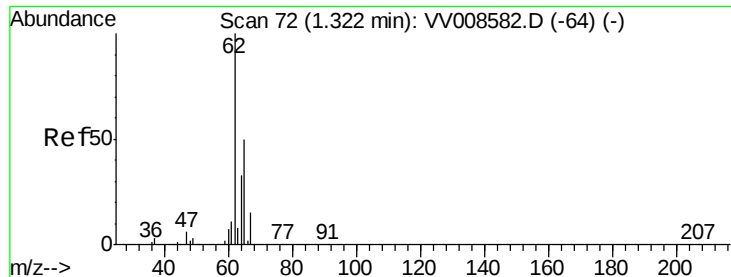
52 31.2 23.3 43.3



Abundance Ion 50.05 (49.75 to 50.75): VV008580.D (-42) (-)

Ion 52.05 (51.75 to 52.75): VV008580.D (-42) (-)





#5

Vinyl chloride

Concen: 0.467 ug/L

RT: 1.32 min Scan# 72

Delta R.T. 0.00 min

Lab File: VV008580.D

Acq: 16 Nov 2018 14:47

Instrument :

MSVOA_V

ClientSampled :

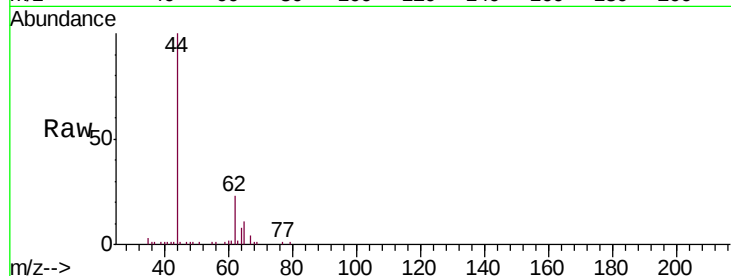
VSTD0.561

Tgt Ion: 62 Resp: 4802

Ion Ratio Lower Upper

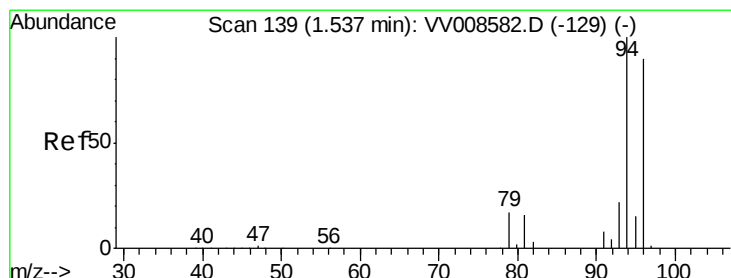
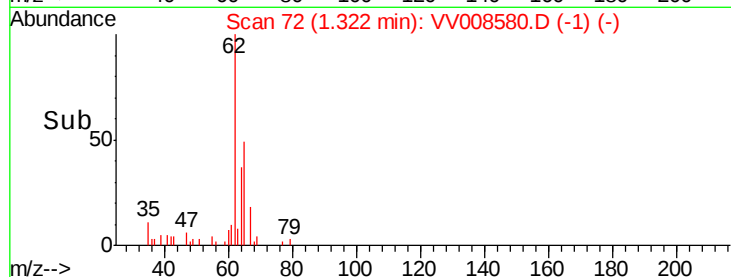
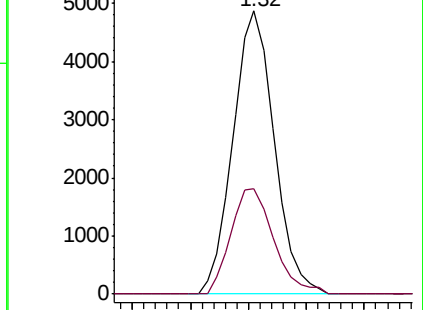
62 100

64 37.2 23.4 43.4



Abundance Ion 62.00 (61.70 to 62.70): VV008582.D (-64) (-)

Ion 64.10 (63.80 to 64.80): VV008580.D (-1) (-)



#6

Bromomethane

Concen: 0.548 ug/L

RT: 1.54 min Scan# 139

Delta R.T. 0.00 min

Lab File: VV008580.D

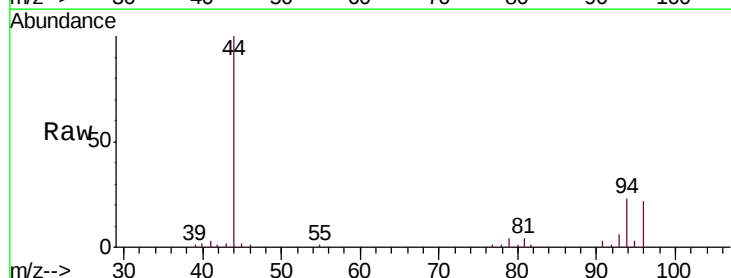
Acq: 16 Nov 2018 14:47

Tgt Ion: 94 Resp: 3432

Ion Ratio Lower Upper

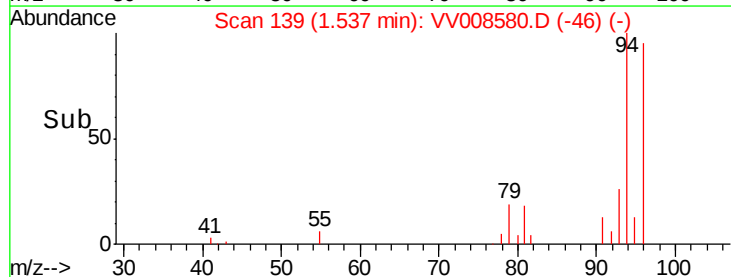
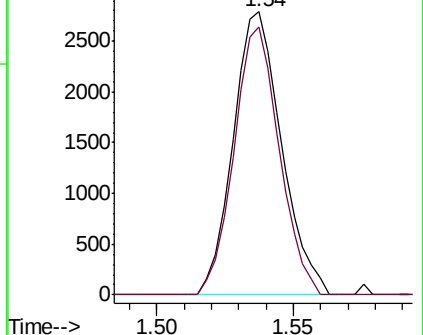
94 100

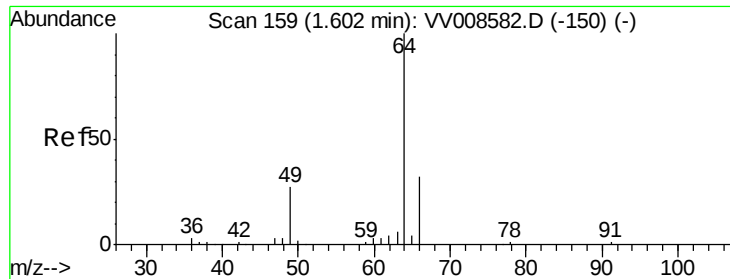
96 94.7 63.2 117.4



Abundance Ion 94.00 (93.70 to 94.70): VV008582.D (-129) (-)

Ion 96.00 (95.70 to 96.70): VV008580.D (-46) (-)

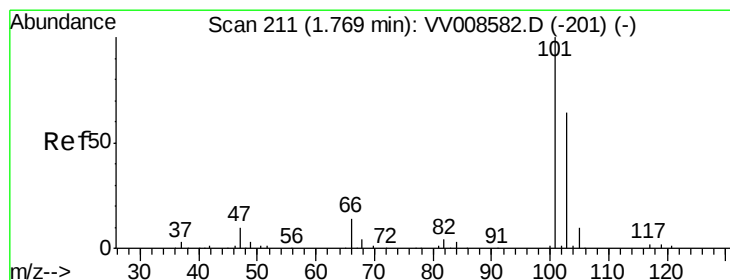
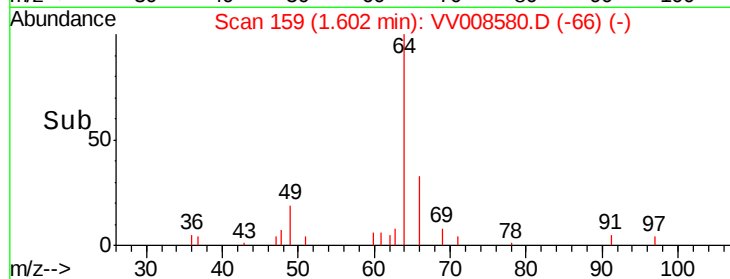
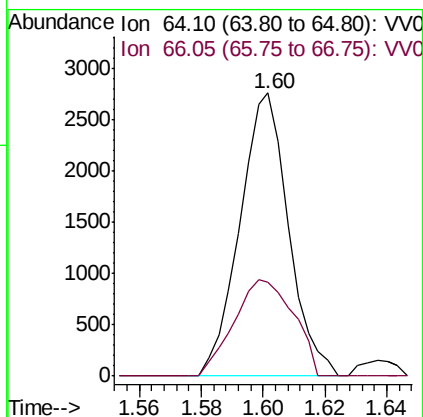
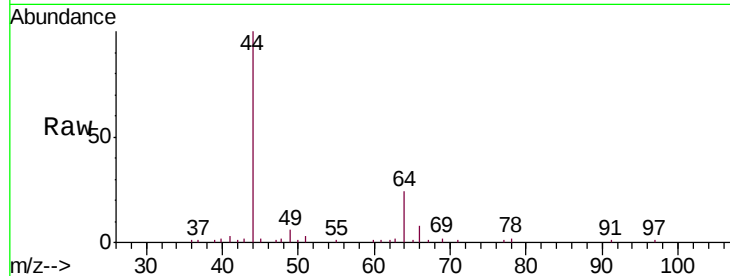




#8
 Chloroethane
 Concen: 0.546 ug/L
 RT: 1.60 min Scan# 159
 Delta R.T. 0.00 min
 Lab File: VV008580.D
 Acq: 16 Nov 2018 14:47

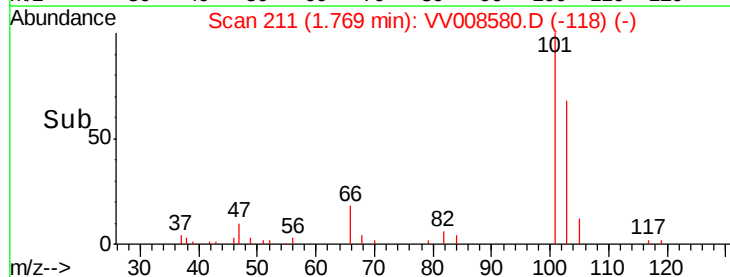
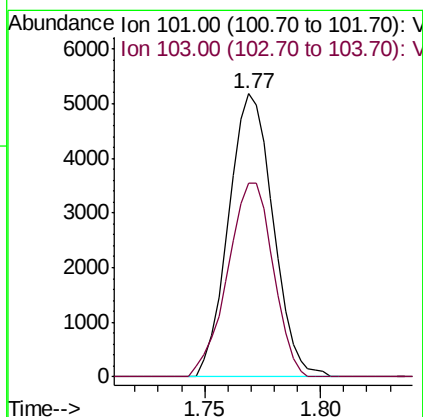
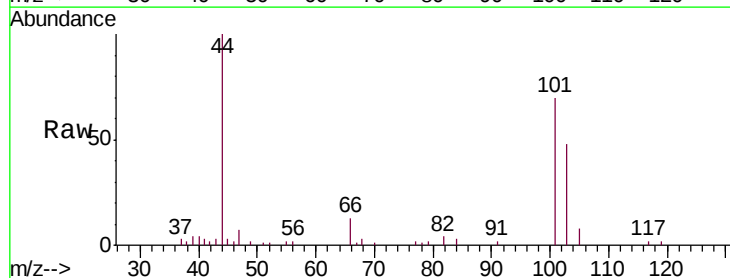
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD0.561

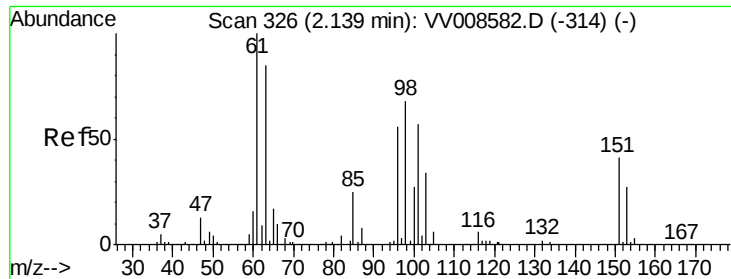
Tgt Ion: 64 Resp: 3007
 Ion Ratio Lower Upper
 64 100
 66 33.0 22.7 42.3



#9
 Trichlorofluoromethane
 Concen: 0.531 ug/L
 RT: 1.77 min Scan# 211
 Delta R.T. 0.00 min
 Lab File: VV008580.D
 Acq: 16 Nov 2018 14:47

Tgt Ion: 101 Resp: 6899
 Ion Ratio Lower Upper
 101 100
 103 70.0 51.1 76.7





#10

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

Concen: 0.483 ug/L

RT: 2.14 min Scan# 326

Delta R.T. 0.00 min

Lab File: VV008580.D

Acq: 16 Nov 2018 14:47

Instrument :

MSVOA_V

ClientSampleId :

VSTD0.561

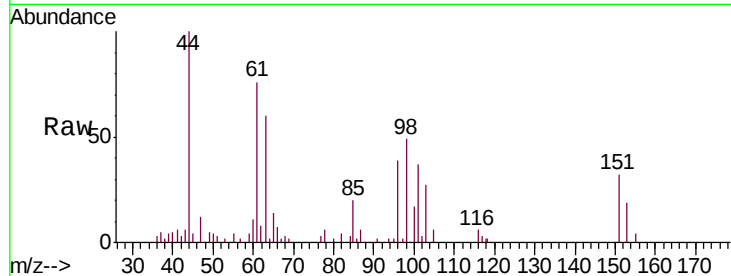
Tgt Ion:101 Resp: 3788

Ion Ratio Lower Upper

101 100

85 48.2 35.4 53.0

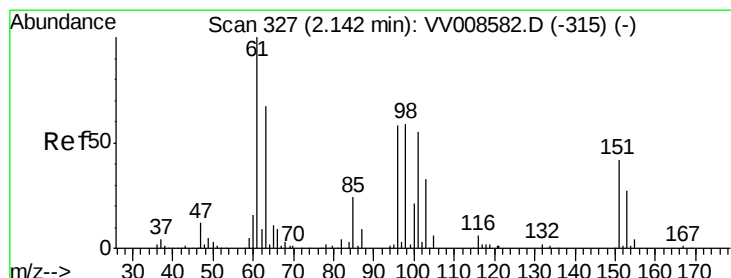
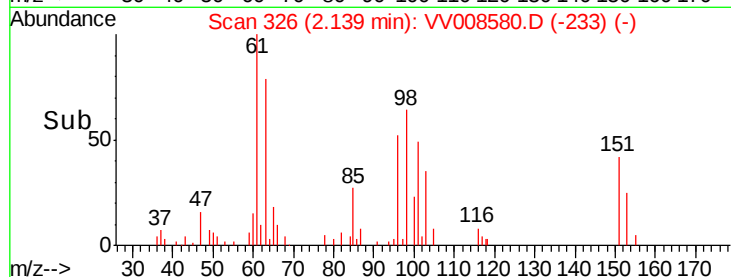
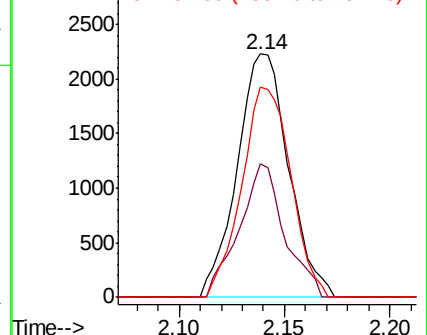
151 82.3 59.4 89.2



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: 0.523 ug/L

RT: 2.14 min Scan# 327

Delta R.T. 0.00 min

Lab File: VV008580.D

Acq: 16 Nov 2018 14:47

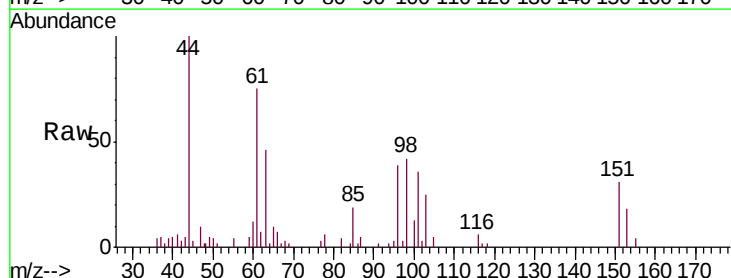
Tgt Ion: 96 Resp: 3633

Ion Ratio Lower Upper

96 100

61 190.8 120.3 223.5

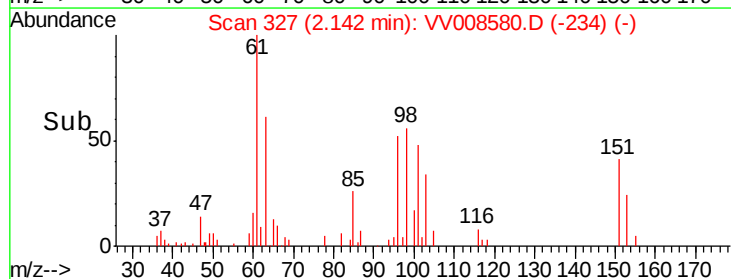
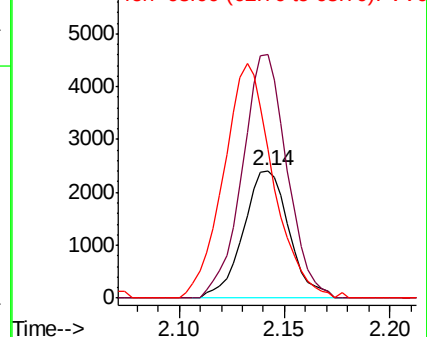
63 116.6 82.5 153.3

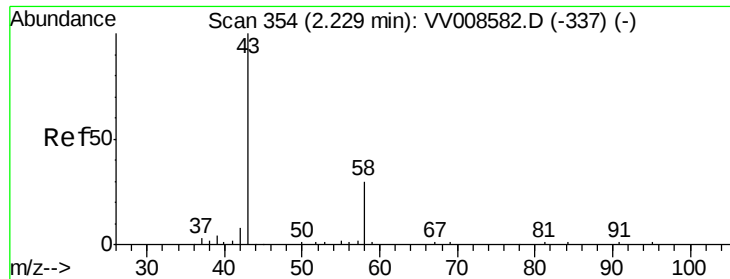


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.05 (60.75 to 61.75): VV0

Ion 63.00 (62.70 to 63.70): VV0





#13

Acetone

Concen: 3.449 ug/L

RT: 2.23 min Scan# 355

Delta R.T. 0.00 min

Lab File: VV008580.D

Acq: 16 Nov 2018 14:47

Instrument :

MSVOA_V

ClientSampleId :

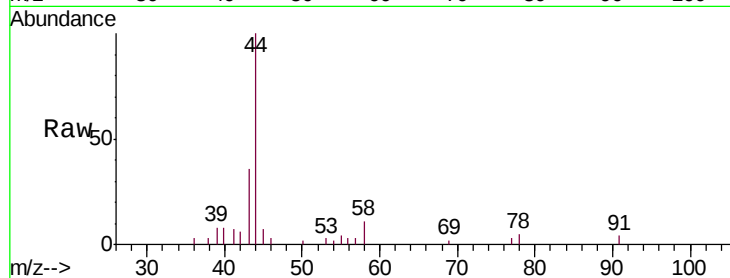
VSTD0.561

Tgt Ion: 43 Resp: 4580

Ion Ratio Lower Upper

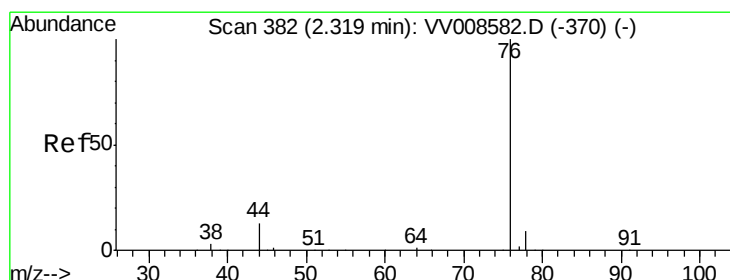
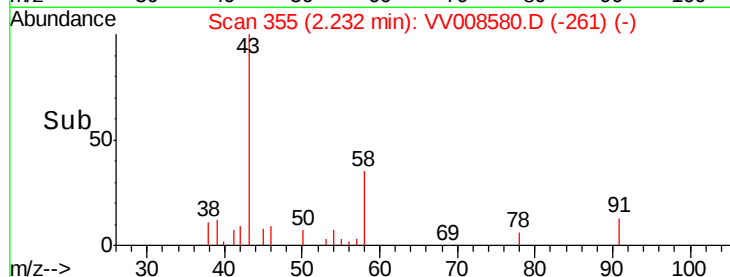
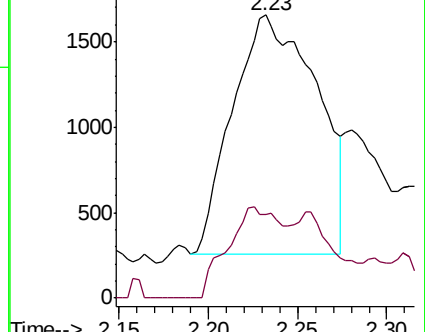
43 100

58 24.8 0.0 56.4



Abundance Ion 43.05 (42.75 to 43.75): VV008580.D (-337) (-)

Ion 58.05 (57.75 to 58.75): VV008580.D (-337) (-)



#14

Carbon disulfide

Concen: 0.525 ug/L

RT: 2.32 min Scan# 382

Delta R.T. 0.00 min

Lab File: VV008580.D

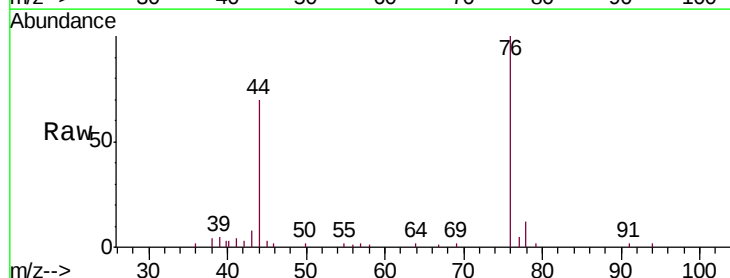
Acq: 16 Nov 2018 14:47

Tgt Ion: 76 Resp: 12034

Ion Ratio Lower Upper

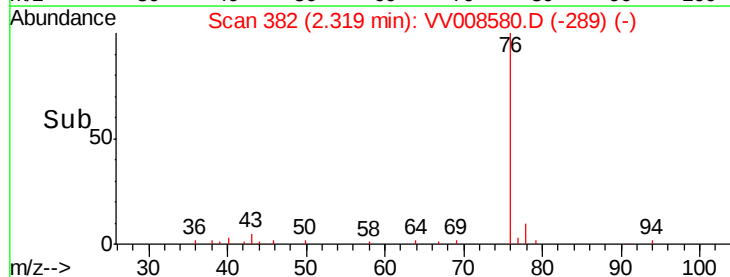
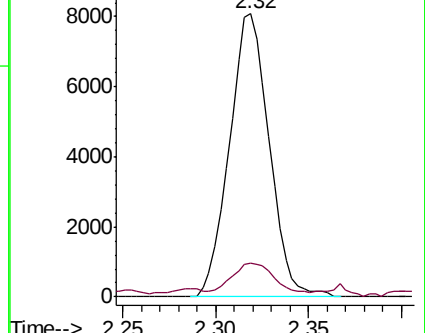
76 100

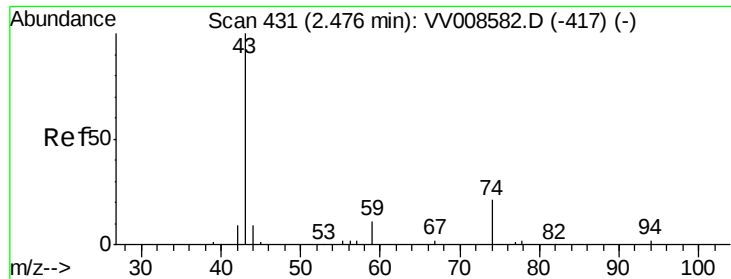
78 12.0 7.0 10.6#



Abundance Ion 76.05 (75.75 to 76.75): VV008580.D (-370) (-)

Ion 78.00 (77.70 to 78.70): VV008580.D (-370) (-)





#15

Methyl Acetate

Concen: 0.426 ug/L

RT: 2.48 min Scan# 431

Delta R.T. 0.00 min

Lab File: VV008580.D

Acq: 16 Nov 2018 14:47

Instrument :

MSVOA_V

ClientSampleId :

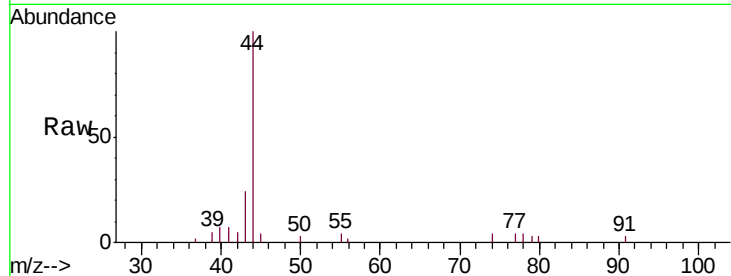
VSTD0.561

Tgt Ion: 43 Resp: 1410

Ion Ratio Lower Upper

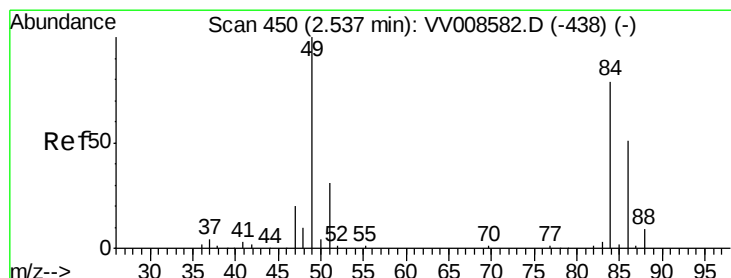
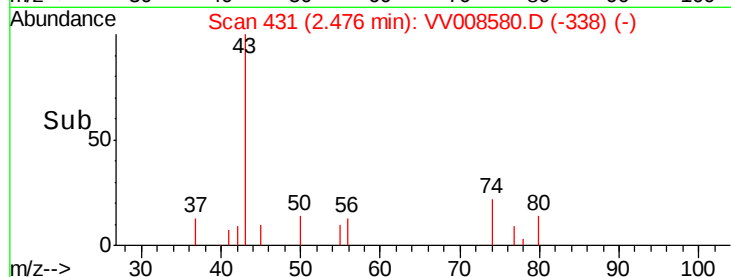
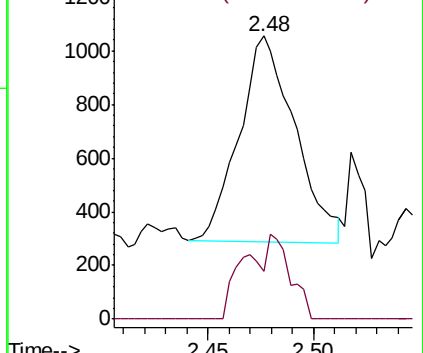
43 100

74 17.0 17.6 26.4#



Abundance Ion 43.05 (42.75 to 43.75): VV008580.D (-338) (-)

Ion 74.05 (73.75 to 74.75): VV008580.D (-338) (-)



#16

Methylene chloride

Concen: 0.703 ug/L

RT: 2.54 min Scan# 450

Delta R.T. 0.00 min

Lab File: VV008580.D

Acq: 16 Nov 2018 14:47

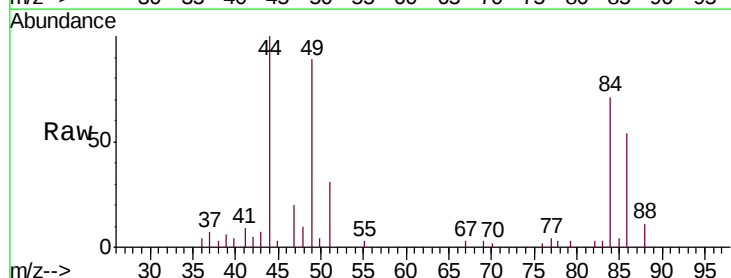
Tgt Ion: 84 Resp: 5486

Ion Ratio Lower Upper

84 100

86 75.5 44.8 83.2

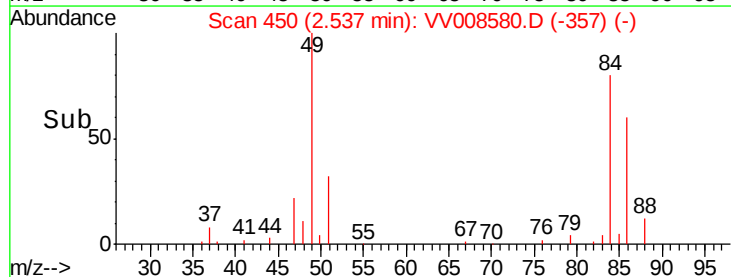
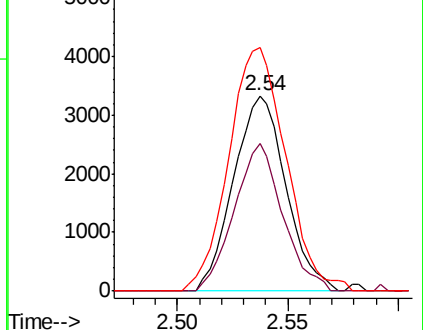
49 124.9 88.1 163.7

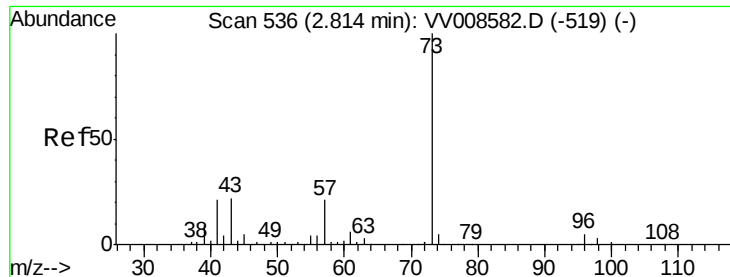


Abundance Ion 84.05 (83.75 to 84.75): VV008580.D (-357) (-)

Ion 86.00 (85.70 to 86.70): VV008580.D (-357) (-)

Ion 49.10 (48.80 to 49.80): VV008580.D (-357) (-)

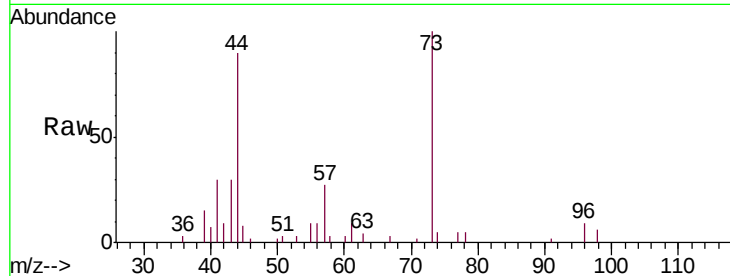




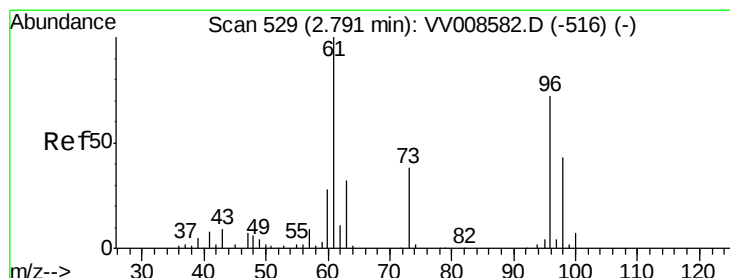
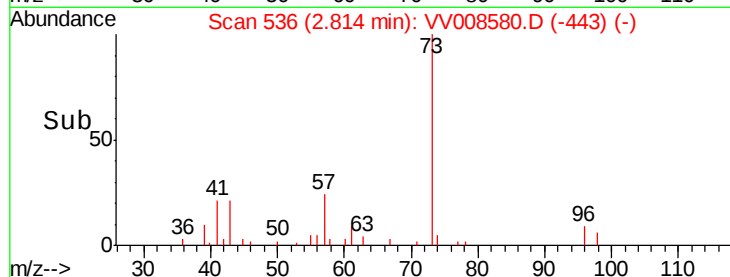
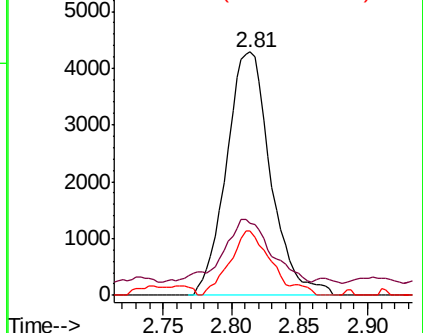
#17
Methyl tert-butyl Ether
Concen: 0.522 ug/L
RT: 2.81 min Scan# 536
Delta R.T. 0.00 min
Lab File: VV008580.D
Acq: 16 Nov 2018 14:47

Instrument :
MSVOA_V
ClientSampleId :
VSTD0.561

Tgt Ion: 73 Resp: 9648
Ion Ratio Lower Upper
73 100
43 27.8 18.1 27.1#
57 23.4 17.9 26.9

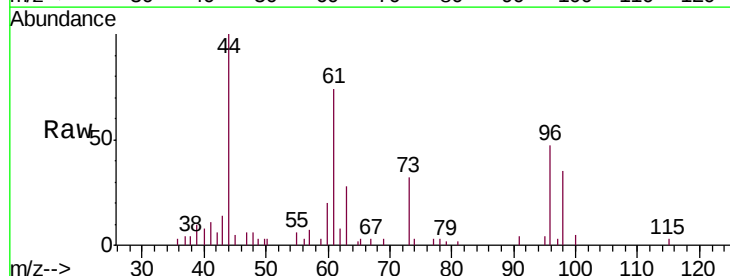


Abundance Ion 73.10 (72.80 to 73.80): VV0
Ion 43.05 (42.75 to 43.75): VV0
Ion 57.10 (56.80 to 57.80): VV0

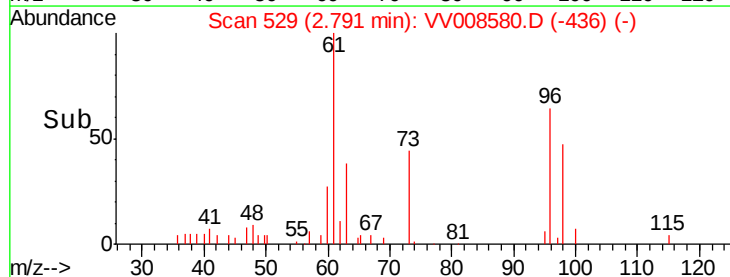
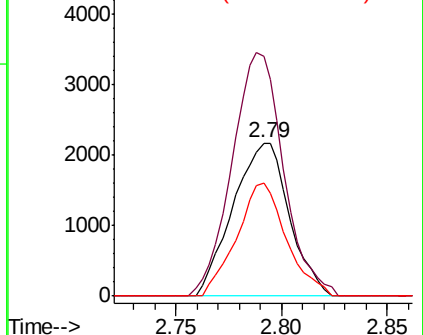


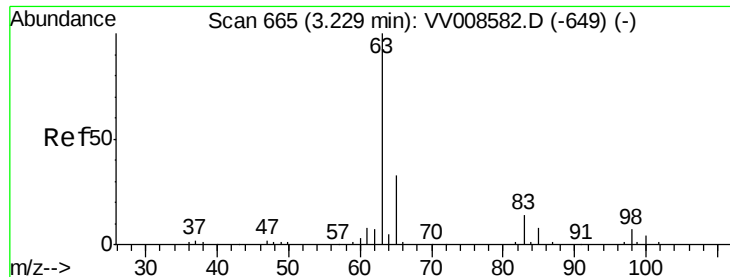
#18
trans-1,2-Dichloroethene
Concen: 0.511 ug/L
RT: 2.79 min Scan# 529
Delta R.T. 0.00 min
Lab File: VV008580.D
Acq: 16 Nov 2018 14:47

Tgt Ion: 96 Resp: 4024
Ion Ratio Lower Upper
96 100
61 156.7 97.1 180.3
98 73.4 41.9 77.7



Abundance Ion 96.00 (95.70 to 96.70): VV0
Ion 61.05 (60.75 to 61.75): VV0
Ion 97.95 (97.65 to 98.65): VV0

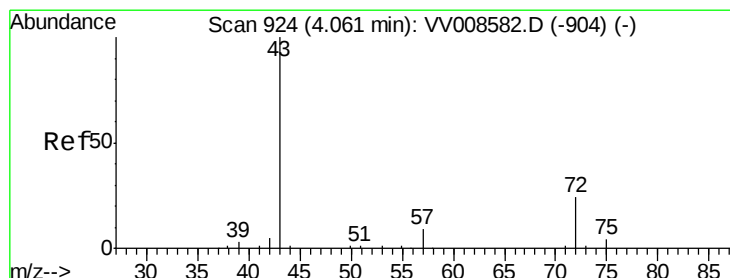
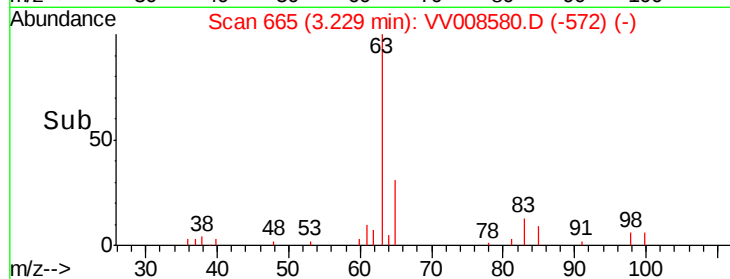
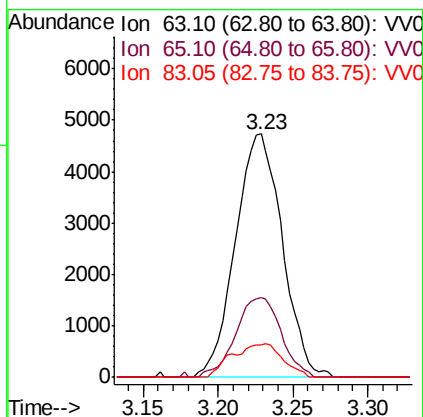
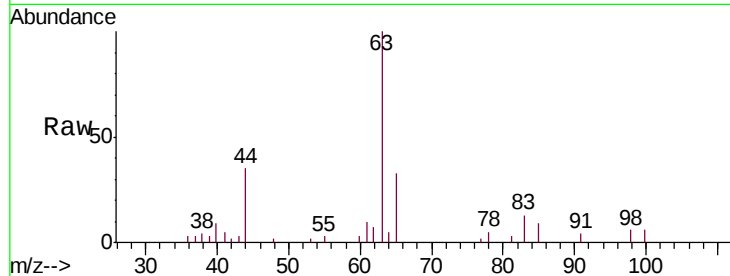




#19
 1,1-Dichloroethane
 Concen: 0.619 ug/L
 RT: 3.23 min Scan# 665
 Delta R.T. 0.00 min
 Lab File: VV008580.D
 Acq: 16 Nov 2018 14:47

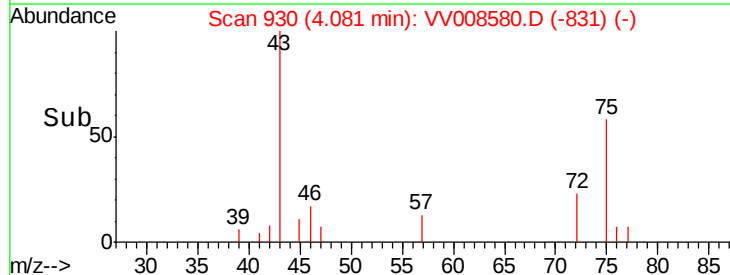
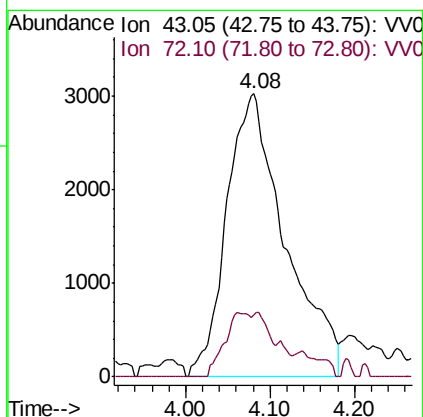
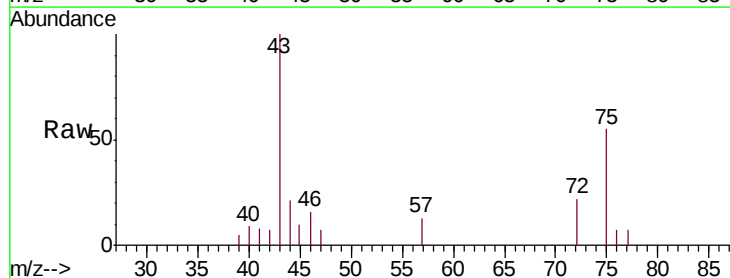
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD0.561

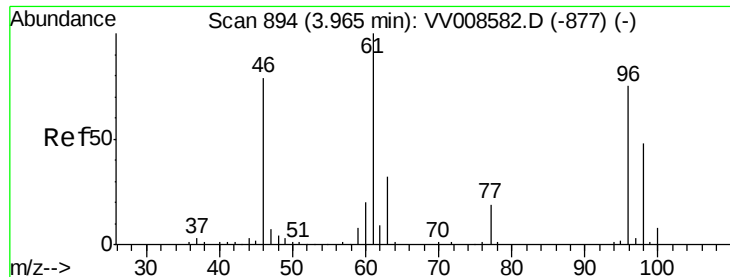
Tgt Ion: 63 Resp: 10321
 Ion Ratio Lower Upper
 63 100
 65 32.8 23.2 43.0
 83 13.1 9.5 17.7



#21
 2-Butanone
 Concen: 5.197 ug/L
 RT: 4.08 min Scan# 930
 Delta R.T. 0.02 min
 Lab File: VV008580.D
 Acq: 16 Nov 2018 14:47

Tgt Ion: 43 Resp: 14638
 Ion Ratio Lower Upper
 43 100
 72 10.0 12.3 36.9#



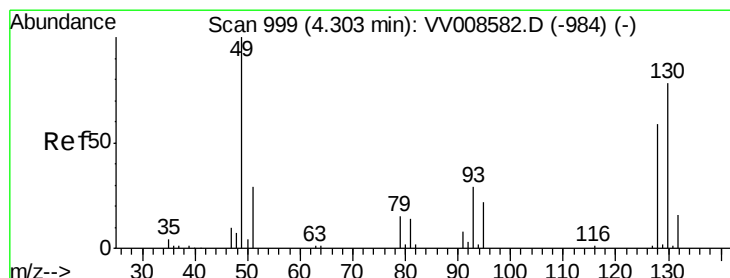
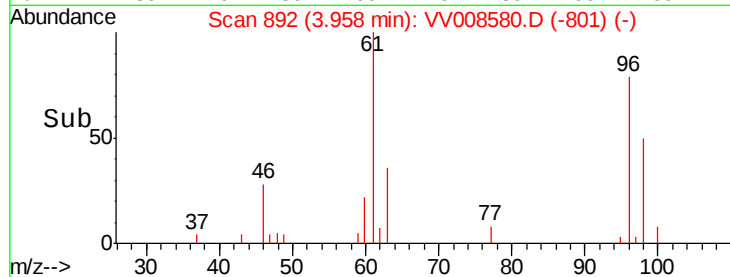
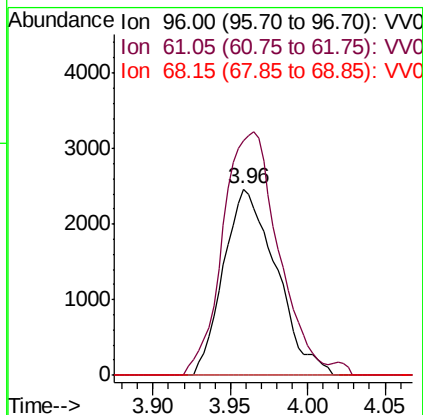
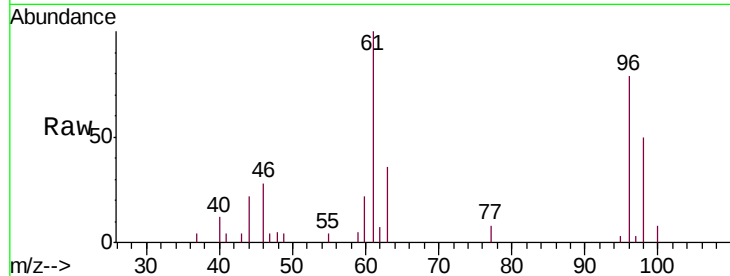


#22

cis-1,2-Dichloroethene
 Concen: 0.492 ug/L
 RT: 3.96 min Scan# 892
 Delta R.T. -0.01 min
 Lab File: VV008580.D
 Acq: 16 Nov 2018 14:47

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD0.561

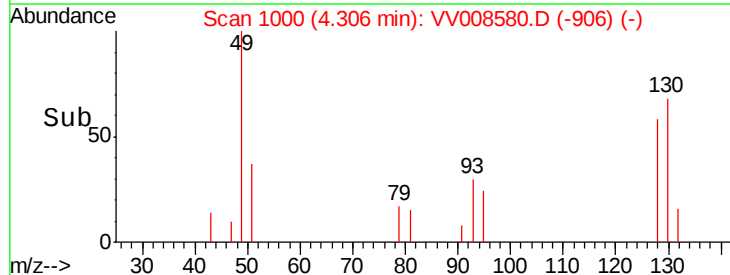
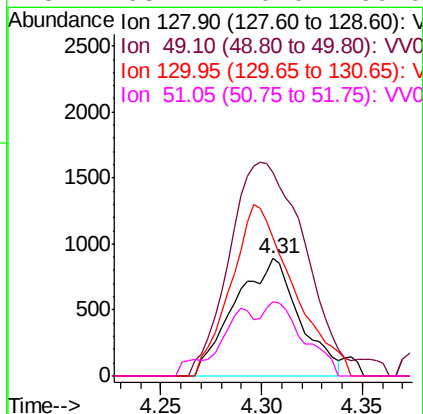
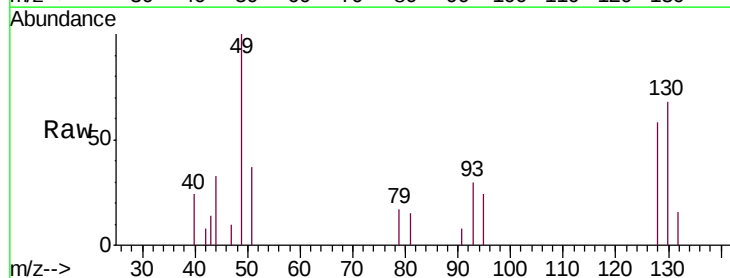
Tgt Ion: 96 Resp: 5839
 Ion Ratio Lower Upper
 96 100
 61 125.8 93.2 173.2
 68 0.0 0.0 0.0

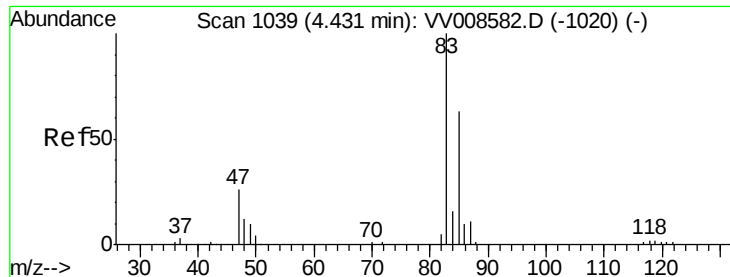


#23

Bromochloromethane
 Concen: 0.433 ug/L
 RT: 4.31 min Scan# 1000
 Delta R.T. 0.00 min
 Lab File: VV008580.D
 Acq: 16 Nov 2018 14:47

Tgt Ion: 128 Resp: 1994
 Ion Ratio Lower Upper
 128 100
 49 172.7 120.0 222.8
 130 118.1 92.3 171.3
 51 63.2 40.0 60.0#

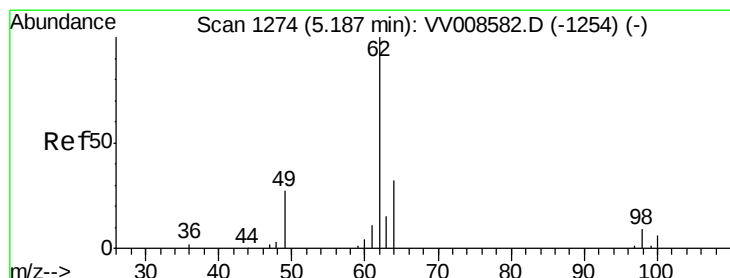
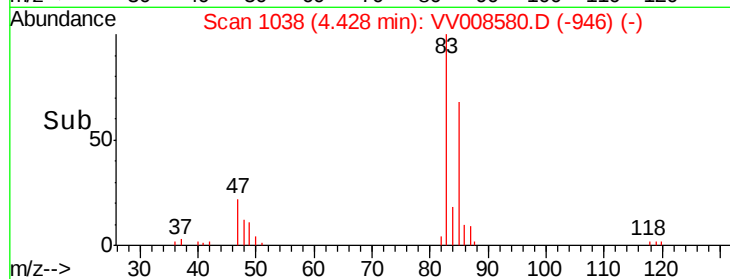
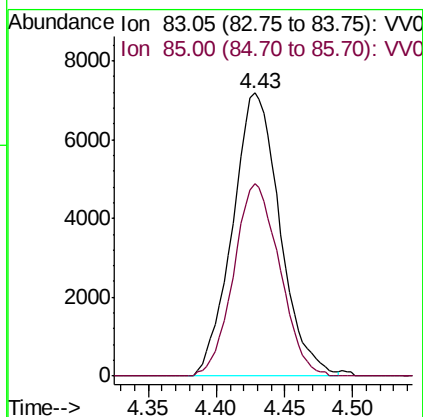
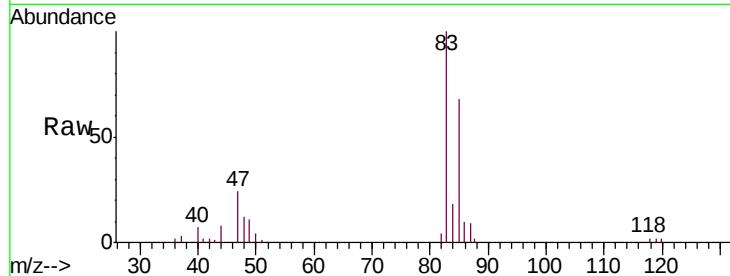




#25
Chloroform
Concen: 0.851 ug/L
RT: 4.43 min Scan# 1038
Delta R.T. -0.00 min
Lab File: VV008580.D
Acq: 16 Nov 2018 14:47

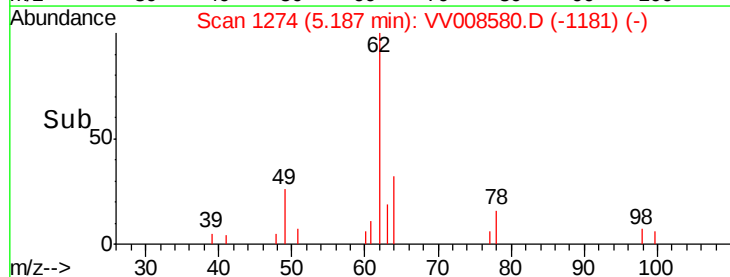
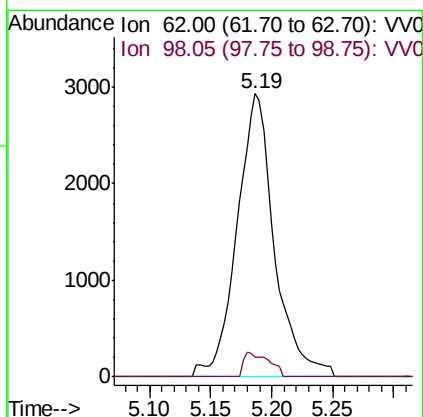
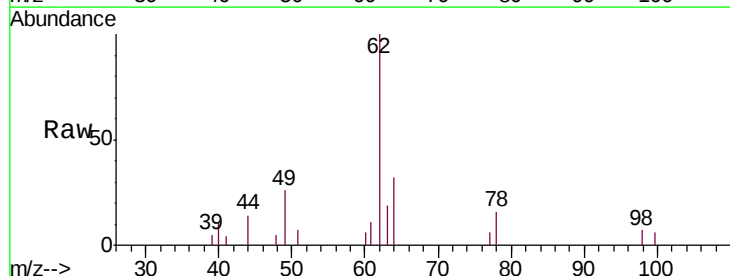
Instrument :
MSVOA_V
ClientSampleId :
VSTD0.561

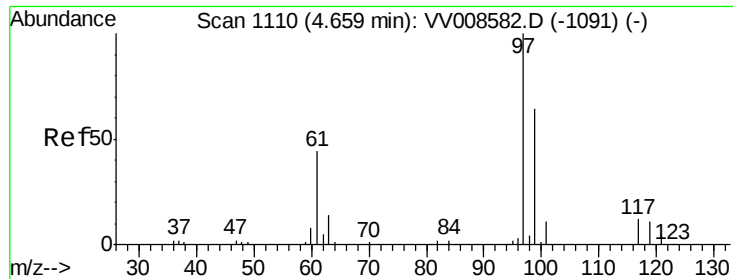
Tgt Ion: 83 Resp: 17360
Ion Ratio Lower Upper
83 100
85 68.2 44.4 82.5



#27
1,2-Dichloroethane
Concen: 0.481 ug/L
RT: 5.19 min Scan# 1274
Delta R.T. 0.00 min
Lab File: VV008580.D
Acq: 16 Nov 2018 14:47

Tgt Ion: 62 Resp: 6193
Ion Ratio Lower Upper
62 100
98 6.9 7.1 10.7#

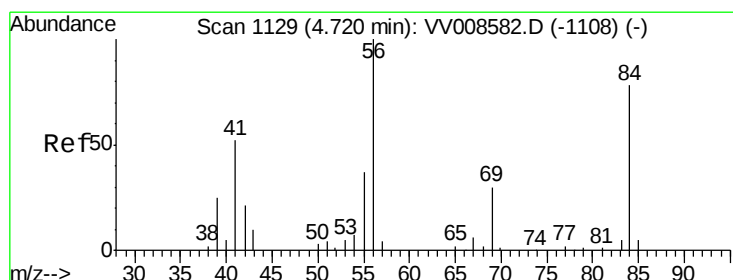
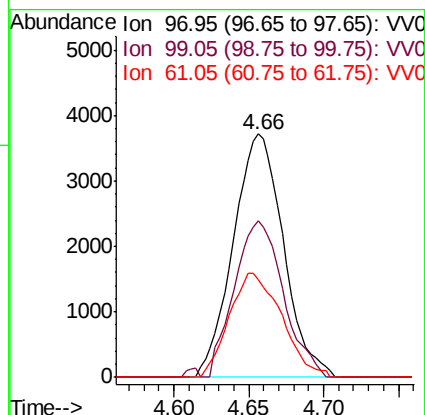
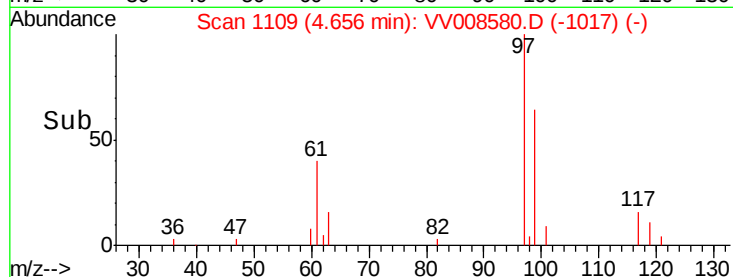
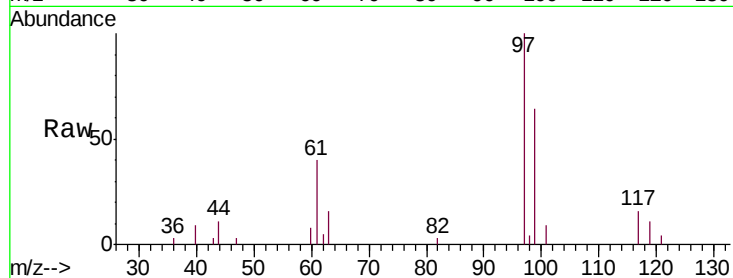




#29
 1,1,1-Trichloroethane
 Concen: 0.515 ug/L
 RT: 4.66 min Scan# 1109
 Delta R.T. -0.00 min
 Lab File: VV008580.D
 Acq: 16 Nov 2018 14:47

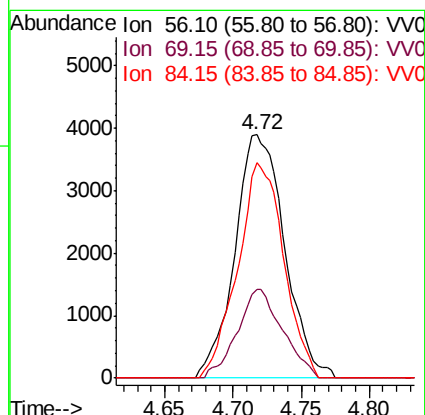
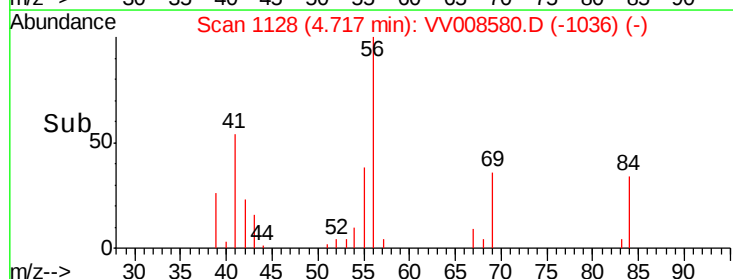
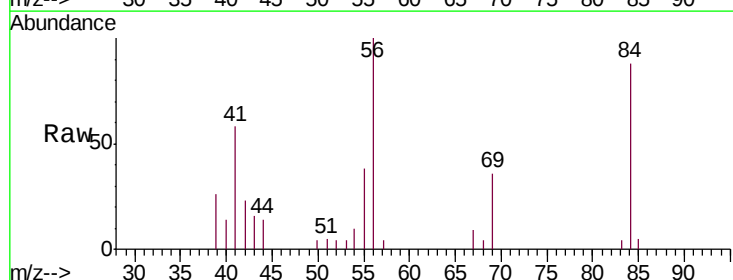
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD0.561

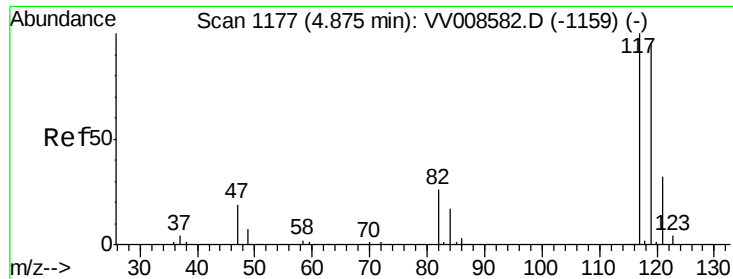
Tgt Ion: 97 Resp: 8672
 Ion Ratio Lower Upper
 97 100
 99 62.8 51.0 76.4
 61 44.6 34.3 51.5



#30
 Cyclohexane
 Concen: 0.527 ug/L
 RT: 4.72 min Scan# 1128
 Delta R.T. -0.00 min
 Lab File: VV008580.D
 Acq: 16 Nov 2018 14:47

Tgt Ion: 56 Resp: 9871
 Ion Ratio Lower Upper
 56 100
 69 33.0 24.2 36.4
 84 81.8 65.7 98.5





#31

Carbon tetrachloride

Concen: 0.479 ug/L

RT: 4.87 min Scan# 1176

Delta R.T. -0.00 min

Lab File: VV008580.D

Acq: 16 Nov 2018 14:47

Instrument :

MSVOA_V

ClientSampleId :

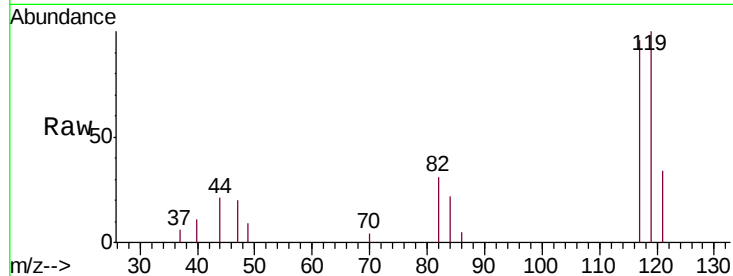
VSTD0.561

Tgt Ion:117 Resp: 7003

Ion Ratio Lower Upper

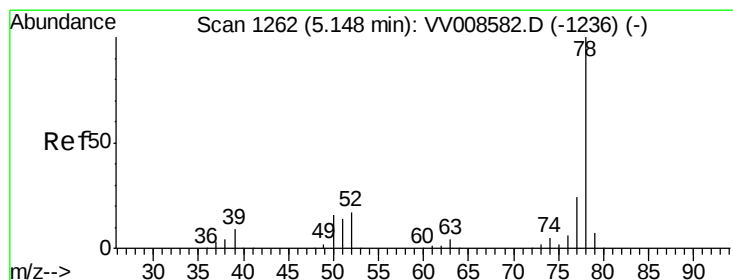
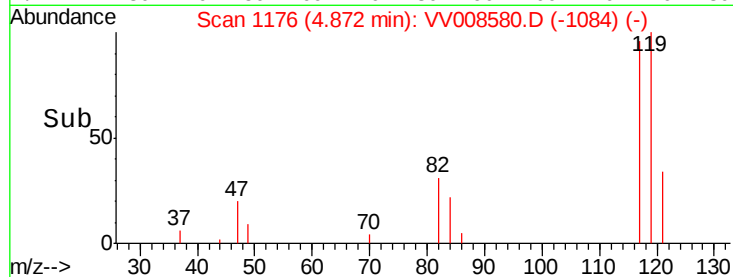
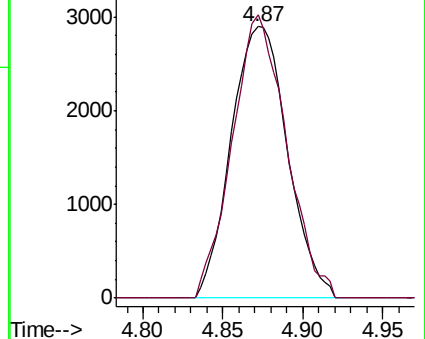
117 100

119 100.0 75.8 113.8



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V



#33

Benzene

Concen: 0.533 ug/L

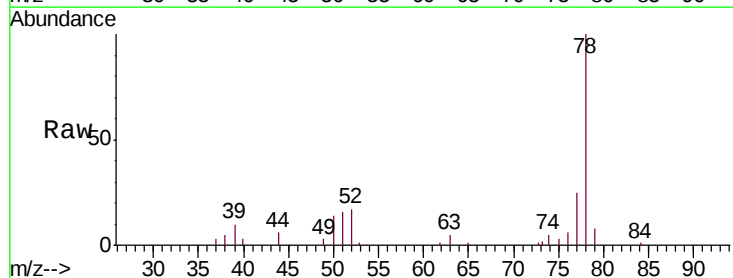
RT: 5.15 min Scan# 1262

Delta R.T. 0.00 min

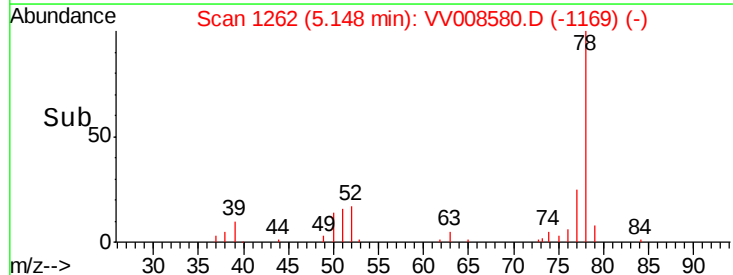
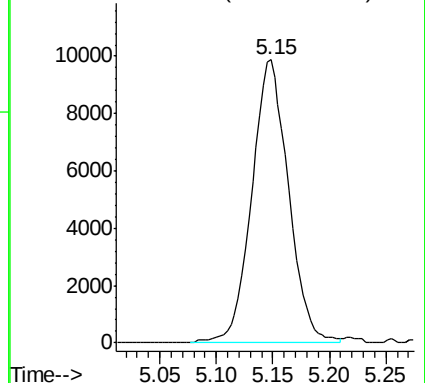
Lab File: VV008580.D

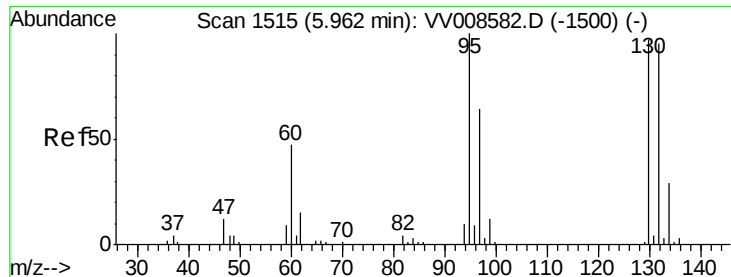
Acq: 16 Nov 2018 14:47

Tgt Ion: 78 Resp: 22291



Abundance Ion 78.10 (77.80 to 78.80): VV0

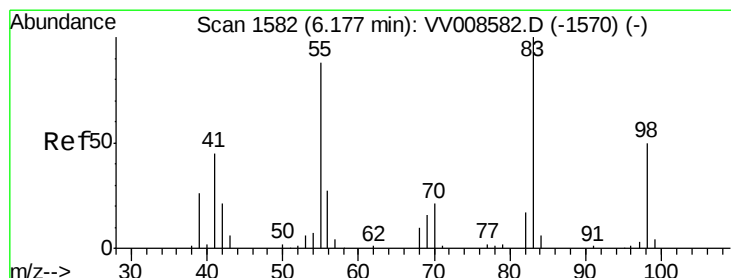
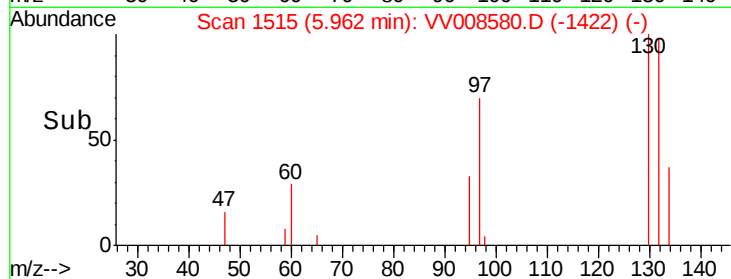
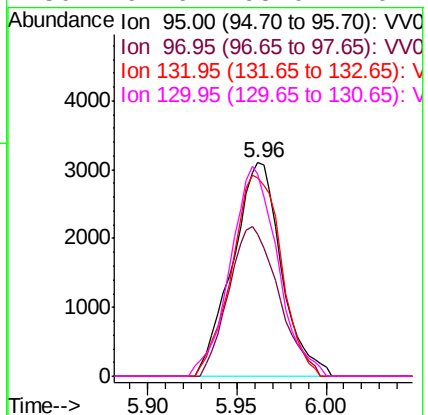
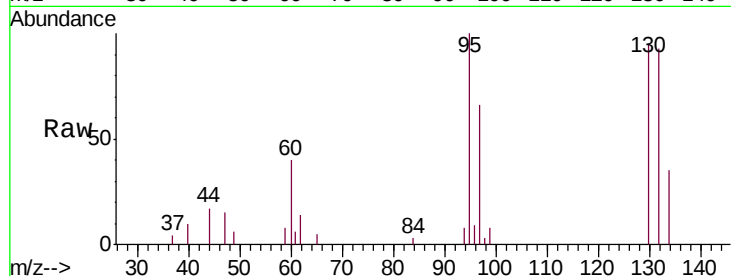




#34
 Trichloroethene
 Concen: 0.530 ug/L
 RT: 5.96 min Scan# 1515
 Delta R.T. 0.00 min
 Lab File: VV008580.D
 Acq: 16 Nov 2018 14:47

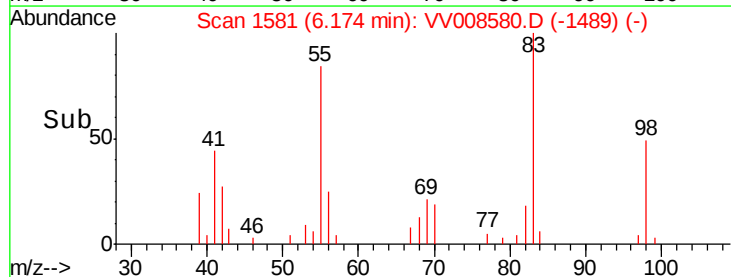
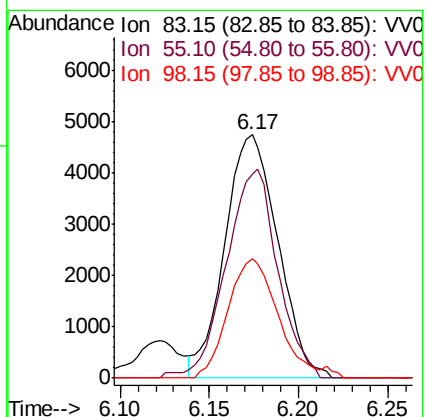
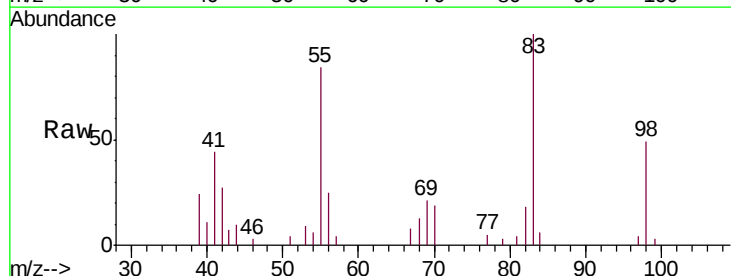
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD0.561

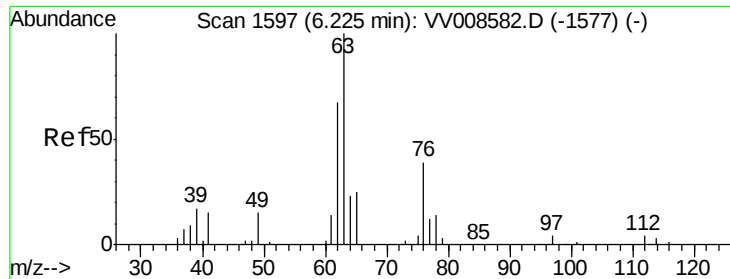
Tgt Ion: 95 Resp: 5918
 Ion Ratio Lower Upper
 95 100
 97 66.4 45.1 83.7
 132 92.6 66.3 123.1
 130 94.6 68.0 126.4



#35
 Methylcyclohexane
 Concen: 0.535 ug/L
 RT: 6.17 min Scan# 1581
 Delta R.T. -0.00 min
 Lab File: VV008580.D
 Acq: 16 Nov 2018 14:47

Tgt Ion: 83 Resp: 9859
 Ion Ratio Lower Upper
 83 100
 55 83.2 65.6 98.4
 98 46.9 36.4 54.6

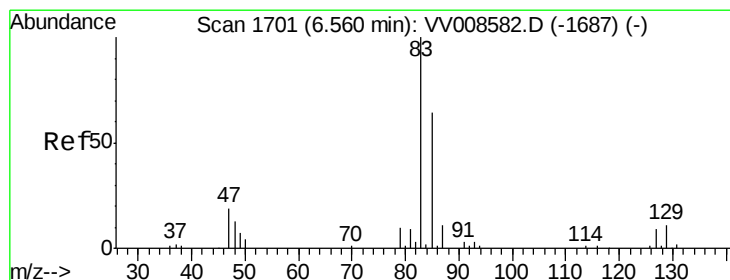
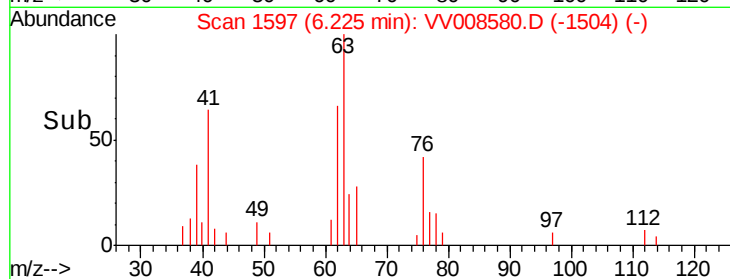
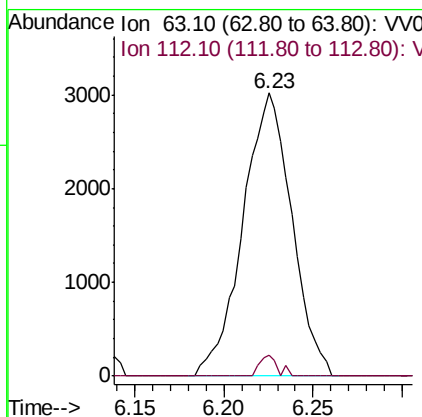
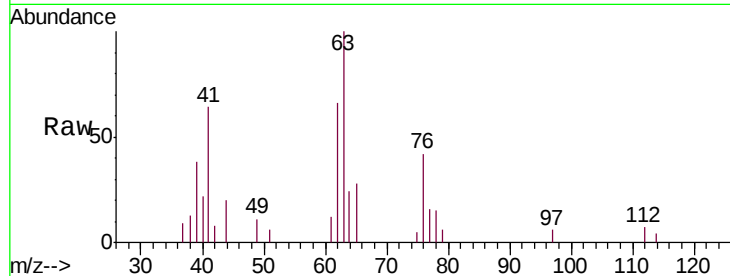




#37
 1,2-Dichloropropane
 Concen: 0.516 ug/L
 RT: 6.23 min Scan# 1597
 Delta R.T. 0.00 min
 Lab File: VV008580.D
 Acq: 16 Nov 2018 14:47

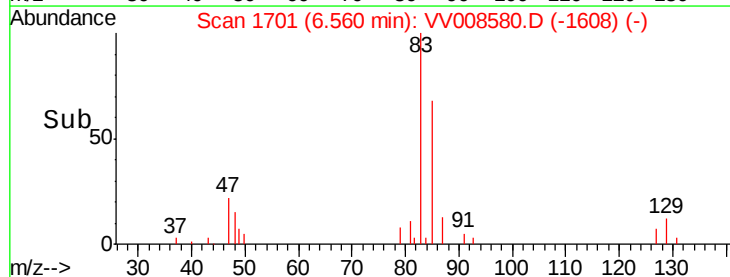
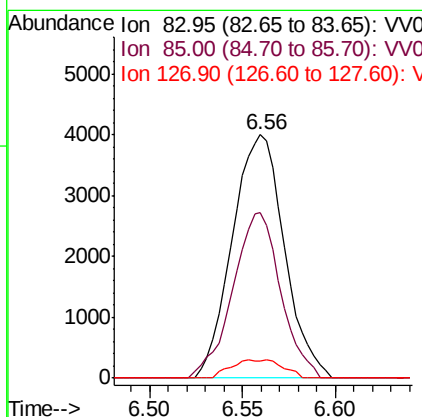
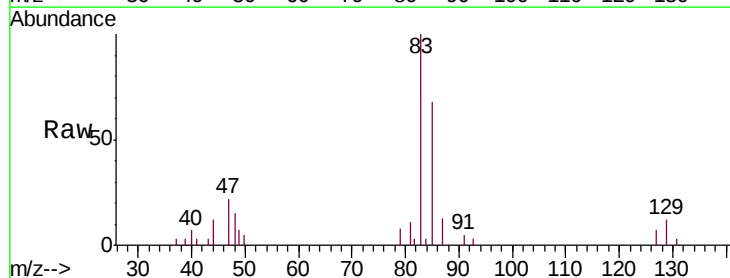
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD0.561

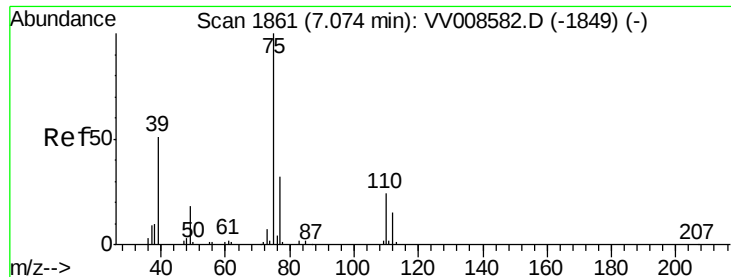
Tgt Ion: 63 Resp: 5796
 Ion Ratio Lower Upper
 63 100
 112 2.7 2.8 4.2#



#38
 Bromodichloromethane
 Concen: 0.591 ug/L
 RT: 6.56 min Scan# 1701
 Delta R.T. 0.00 min
 Lab File: VV008580.D
 Acq: 16 Nov 2018 14:47

Tgt Ion: 83 Resp: 7780
 Ion Ratio Lower Upper
 83 100
 85 68.1 44.9 83.5
 127 6.9 6.9 10.3

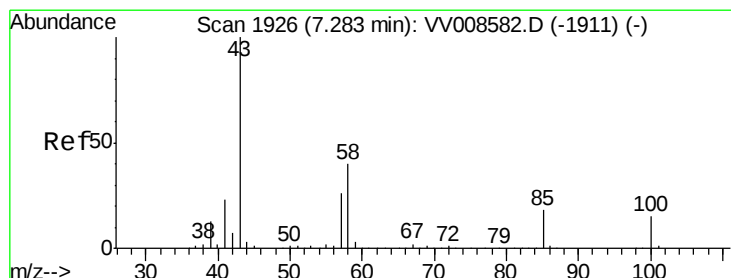
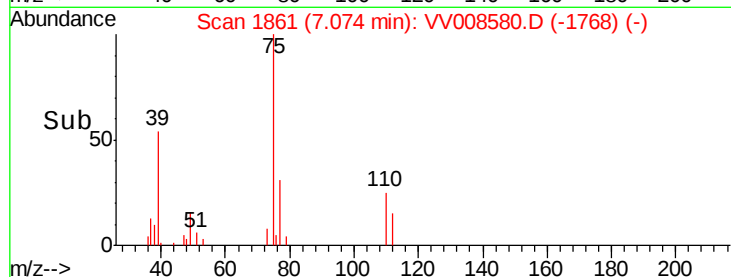
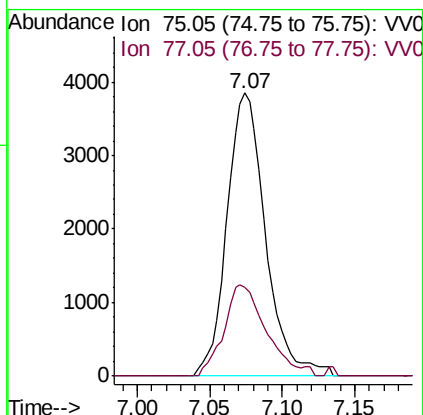
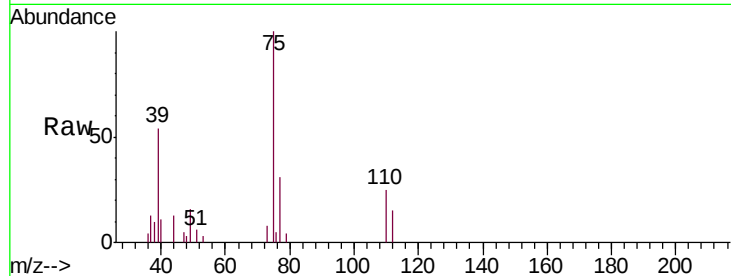




#39
 cis-1,3-Dichloropropene
 Concen: 0.469 ug/L
 RT: 7.07 min Scan# 1861
 Delta R.T. 0.00 min
 Lab File: VV008580.D
 Acq: 16 Nov 2018 14:47

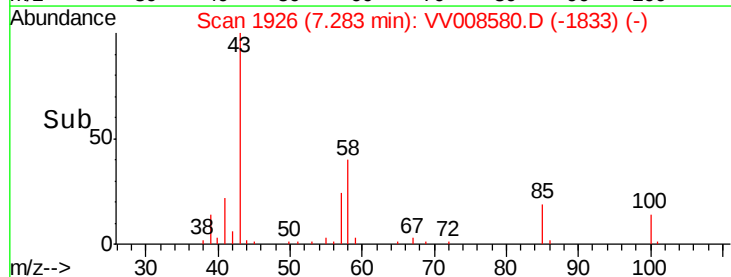
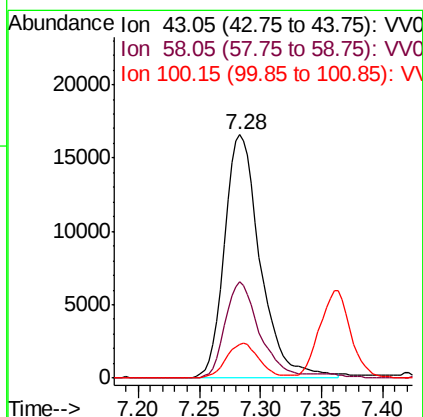
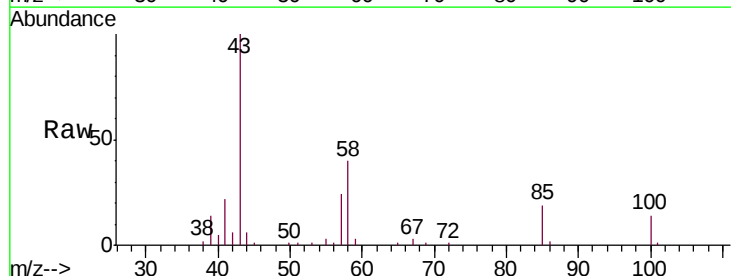
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD0.561

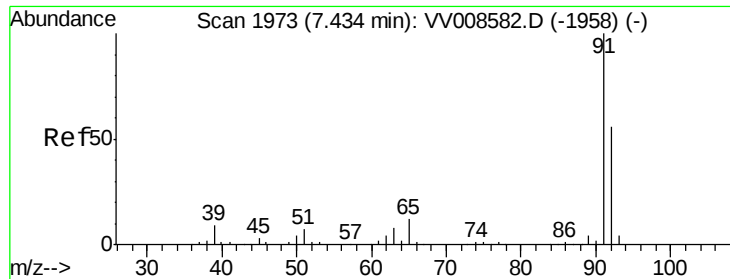
Tgt Ion: 75 Resp: 7112
 Ion Ratio Lower Upper
 75 100
 77 31.3 23.0 42.8



#40
 4-Methyl-2-pentanone
 Concen: 5.118 ug/L
 RT: 7.28 min Scan# 1926
 Delta R.T. 0.00 min
 Lab File: VV008580.D
 Acq: 16 Nov 2018 14:47

Tgt Ion: 43 Resp: 34065
 Ion Ratio Lower Upper
 43 100
 58 37.8 31.0 46.4
 100 13.1 11.1 16.7





#42

Toluene

Concen: 0.534 ug/L

RT: 7.43 min Scan# 1973

Delta R.T. 0.00 min

Lab File: VV008580.D

Acq: 16 Nov 2018 14:47

Instrument :

MSVOA_V

ClientSampleId :

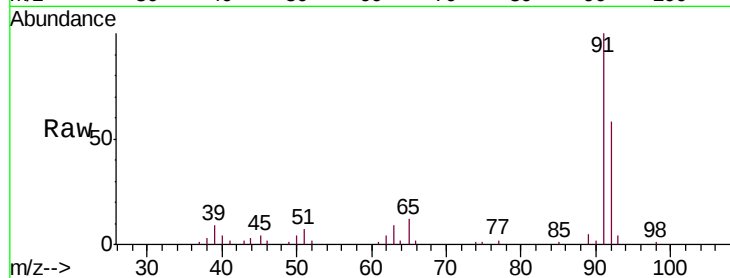
VSTD0.561

Tgt Ion: 91 Resp: 23200

Ion Ratio Lower Upper

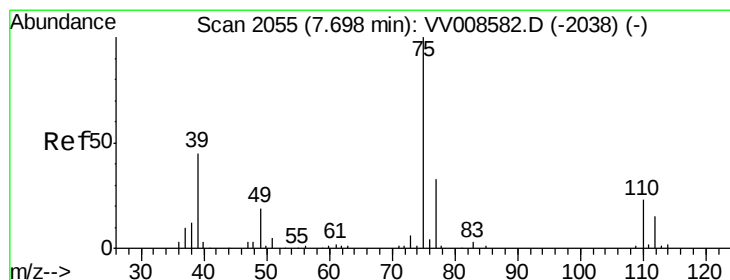
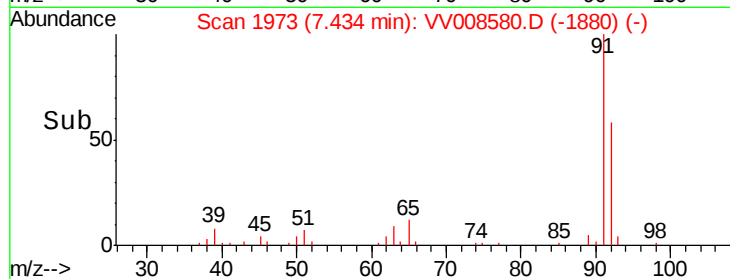
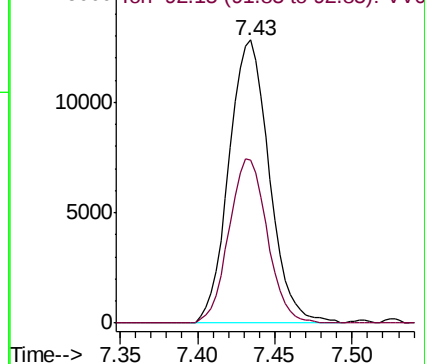
91 100

92 57.8 39.1 72.5



Abundance Ion 91.15 (90.85 to 91.85): VV008582.D (-1958) (-)

Ion 92.15 (91.85 to 92.85): VV008582.D (-1958) (-)



#44

trans-1,3-Dichloropropene

Concen: 0.466 ug/L

RT: 7.70 min Scan# 2056

Delta R.T. 0.00 min

Lab File: VV008580.D

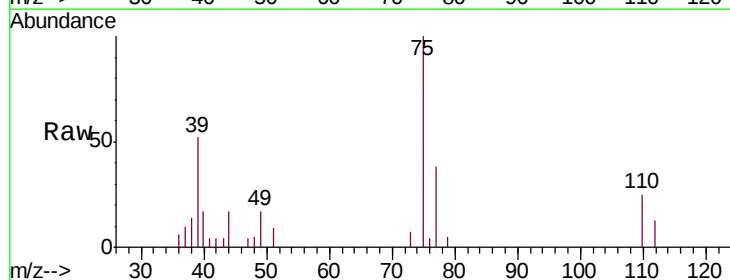
Acq: 16 Nov 2018 14:47

Tgt Ion: 75 Resp: 5678

Ion Ratio Lower Upper

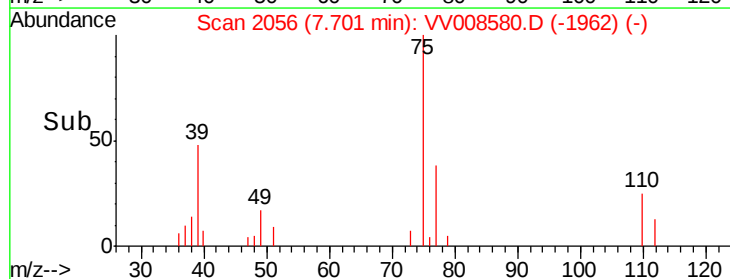
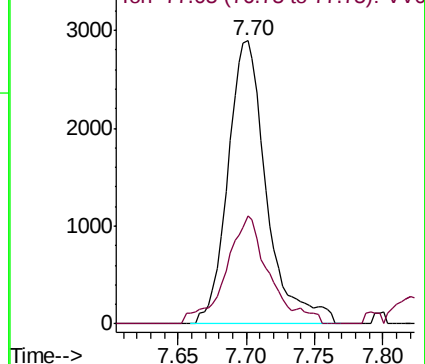
75 100

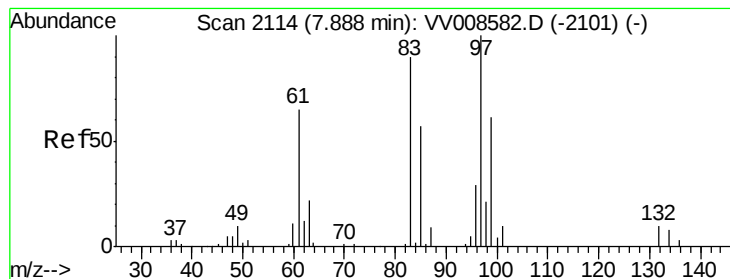
77 38.0 23.0 42.6



Abundance Ion 75.05 (74.75 to 75.75): VV008582.D (-2038) (-)

Ion 77.05 (76.75 to 77.75): VV008582.D (-2038) (-)





#45

1,1,2-Trichloroethane

Concen: 0.515 ug/L

RT: 7.89 min Scan# 2114

Delta R.T. 0.00 min

Lab File: VV008580.D

Acq: 16 Nov 2018 14:47

Instrument :

MSVOA_V

ClientSampleId :

VSTD0.561

Tgt Ion: 97 Resp: 3627

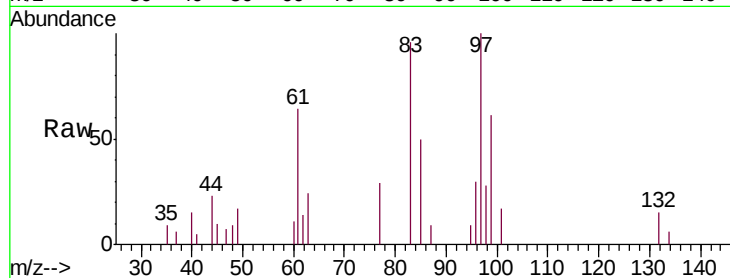
Ion Ratio Lower Upper

97 100

99 61.4 43.0 79.8

83 96.4 63.0 117.0

85 50.3 40.1 74.5

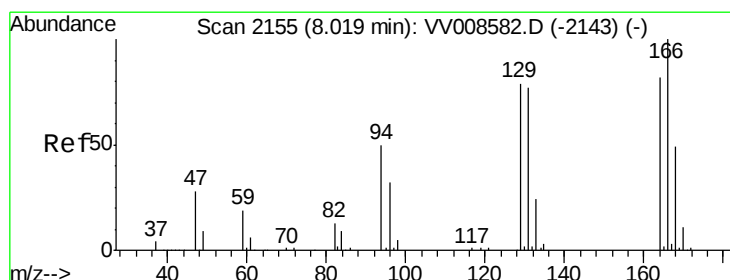
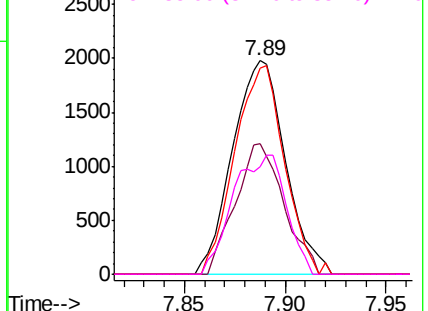
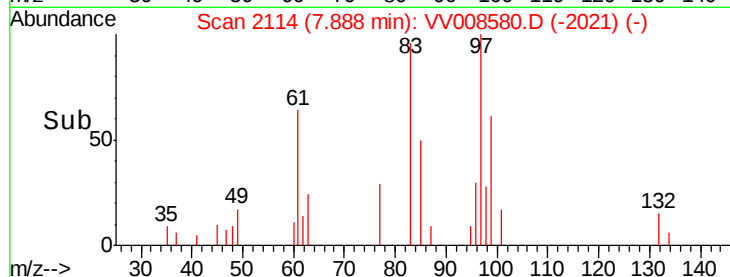


Abundance Ion 96.95 (96.65 to 97.65): VV008580.D (-2021) (-)

Ion 99.05 (98.75 to 99.75): VV008580.D (-2021) (-)

Ion 82.95 (82.65 to 83.65): VV008580.D (-2021) (-)

Ion 85.00 (84.70 to 85.70): VV008580.D (-2021) (-)



#47

Tetrachloroethene

Concen: 0.536 ug/L

RT: 8.02 min Scan# 2156

Delta R.T. 0.00 min

Lab File: VV008580.D

Acq: 16 Nov 2018 14:47

Tgt Ion: 164 Resp: 4337

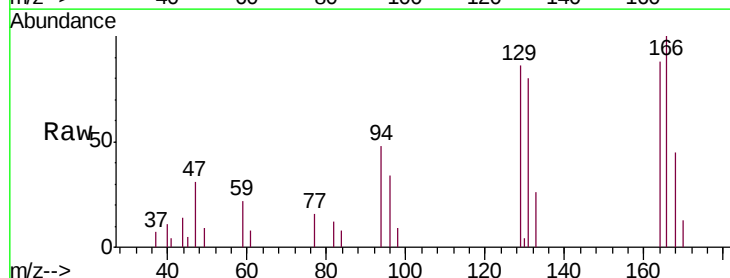
Ion Ratio Lower Upper

164 100

129 96.7 67.5 125.4

131 90.5 66.4 123.4

166 113.0 85.8 159.3

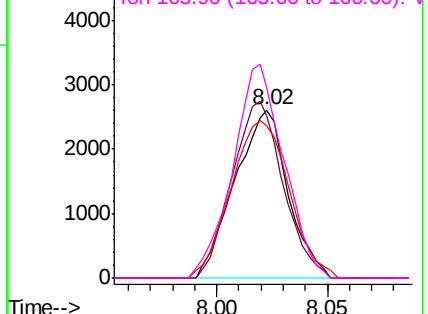
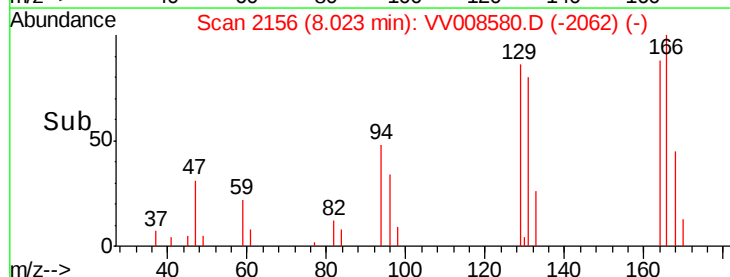


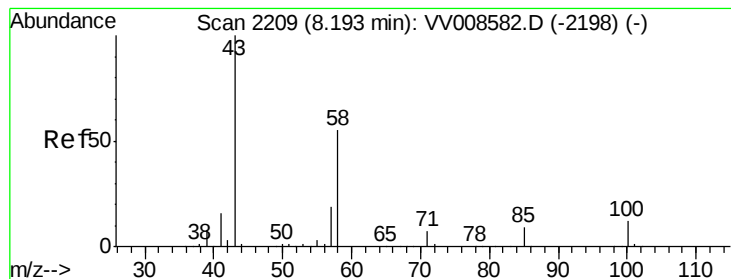
Abundance Ion 163.90 (163.60 to 164.60): VV008580.D (-2062) (-)

Ion 128.95 (128.65 to 129.65): VV008580.D (-2062) (-)

Ion 130.95 (130.65 to 131.65): VV008580.D (-2062) (-)

Ion 165.90 (165.60 to 166.60): VV008580.D (-2062) (-)





#48

2-Hexanone

Concen: 4.533 ug/L

RT: 8.20 min Scan# 2210

Delta R.T. 0.00 min

Lab File: VV008580.D

Acq: 16 Nov 2018 14:47

Instrument :

MSVOA_V

ClientSampleId :

VSTD0.561

Tgt Ion: 43 Resp: 20593

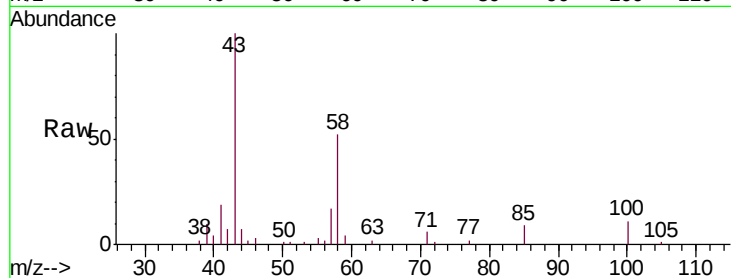
Ion Ratio Lower Upper

43 100

58 55.1 41.8 62.8

57 22.1 15.4 23.0

100 12.4 8.7 13.1

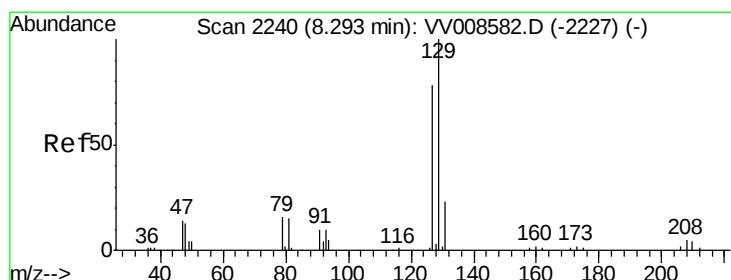
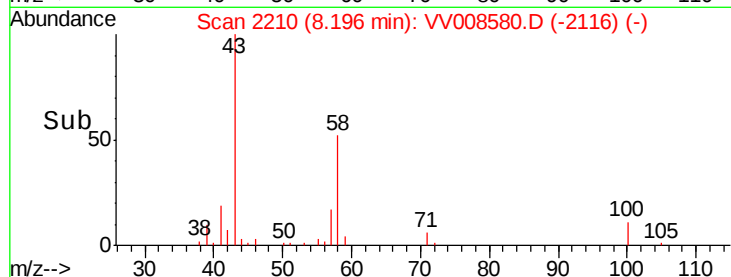
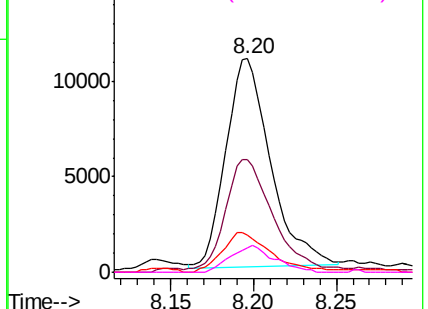


Abundance Ion 43.05 (42.75 to 43.75): VV008580.D (-2198) (-)

Ion 58.05 (57.75 to 58.75): VV008580.D (-2198) (-)

Ion 57.20 (56.90 to 57.90): VV008580.D (-2198) (-)

Ion 100.15 (99.85 to 100.85): VV008580.D (-2198) (-)



#49

Dibromochloromethane

Concen: 0.478 ug/L

RT: 8.29 min Scan# 2239

Delta R.T. -0.00 min

Lab File: VV008580.D

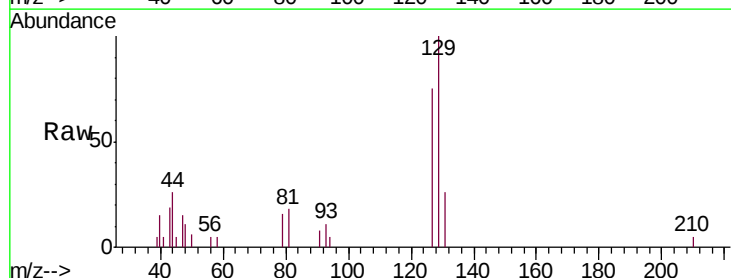
Acq: 16 Nov 2018 14:47

Tgt Ion: 129 Resp: 3877

Ion Ratio Lower Upper

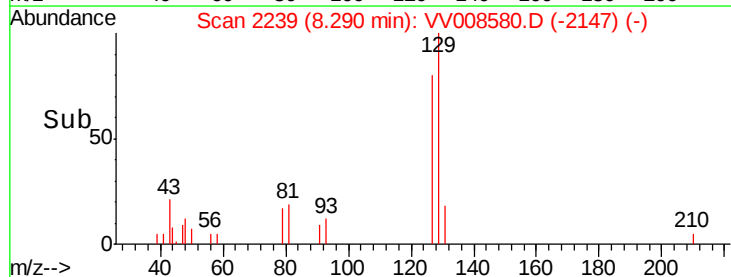
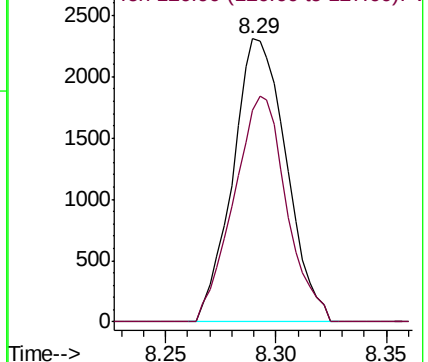
129 100

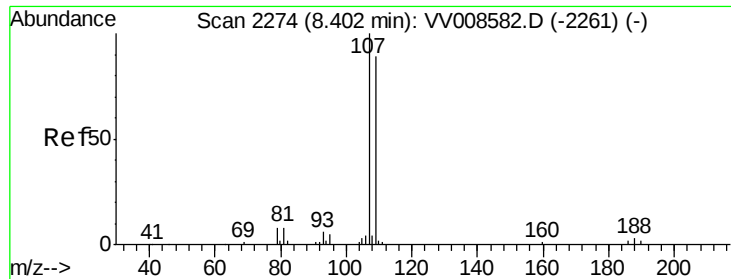
127 74.8 54.6 101.4



Abundance Ion 128.95 (128.65 to 129.65): VV008580.D (-2147) (-)

Ion 126.90 (126.60 to 127.60): VV008580.D (-2147) (-)





#50

1,2-Dibromoethane

Concen: 0.468 ug/L

RT: 8.40 min Scan# 2273

Delta R.T. -0.00 min

Lab File: VV008580.D

Acq: 16 Nov 2018 14:47

Instrument :

MSVOA_V

ClientSampleId :

VSTD0.561

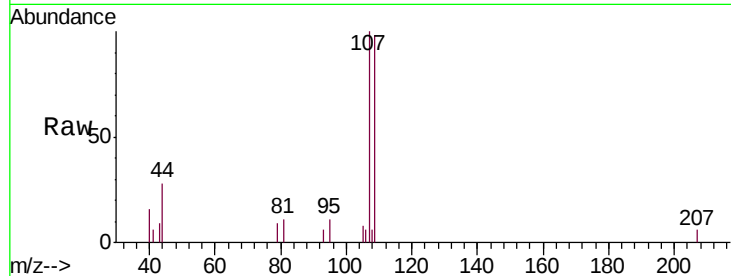
Tgt Ion:107 Resp: 3080

Ion Ratio Lower Upper

107 100

109 97.9 62.1 115.3

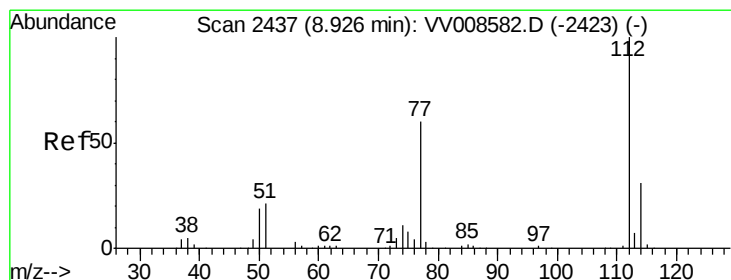
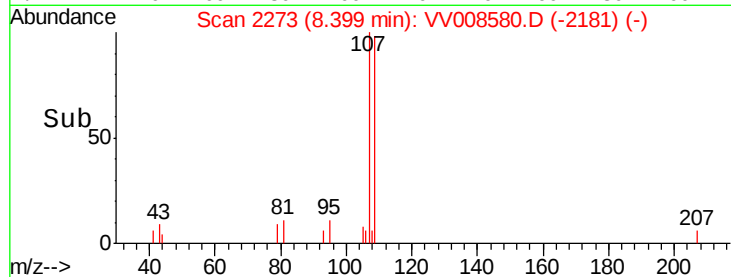
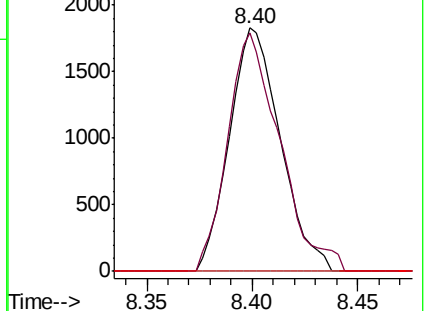
188 0.0 2.2 3.4#



Abundance Ion 106.95 (106.65 to 107.65): V

Ion 109.00 (108.70 to 109.70): V

Ion 187.90 (187.60 to 188.60): V



#51

Chlorobenzene

Concen: 0.521 ug/L

RT: 8.93 min Scan# 2437

Delta R.T. 0.00 min

Lab File: VV008580.D

Acq: 16 Nov 2018 14:47

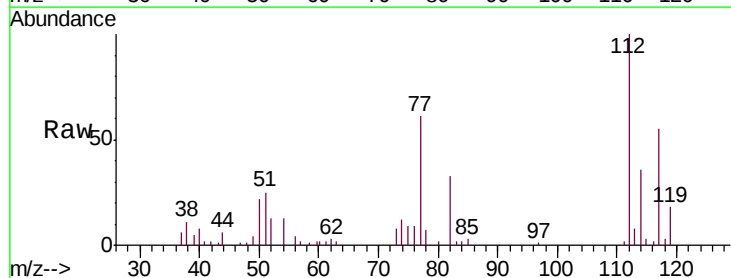
Tgt Ion:112 Resp: 13896

Ion Ratio Lower Upper

112 100

114 35.6 21.9 40.7

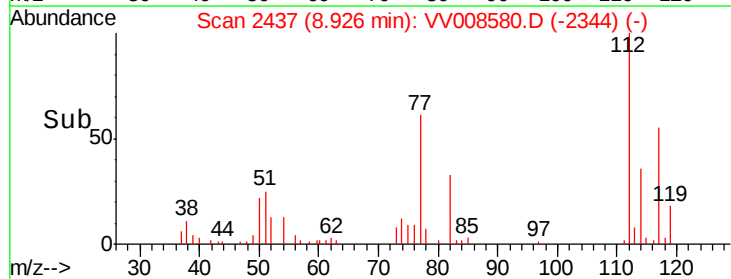
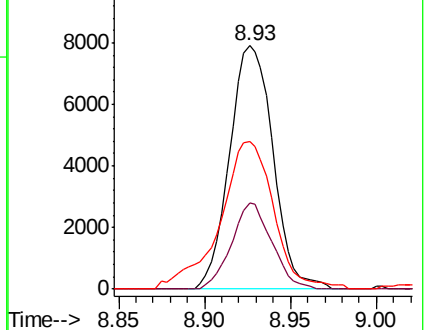
77 60.8 47.9 71.9

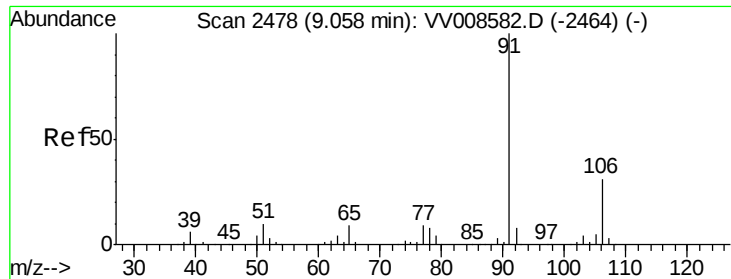


Abundance Ion 112.10 (111.80 to 112.80): V

Ion 114.05 (113.75 to 114.75): V

Ion 77.10 (76.80 to 77.80): VV0





#52

Ethylbenzene

Concen: 0.520 ug/L

RT: 9.06 min Scan# 2478

Delta R.T. 0.00 min

Lab File: VV008580.D

Acq: 16 Nov 2018 14:47

Instrument :

MSVOA_V

ClientSampleId :

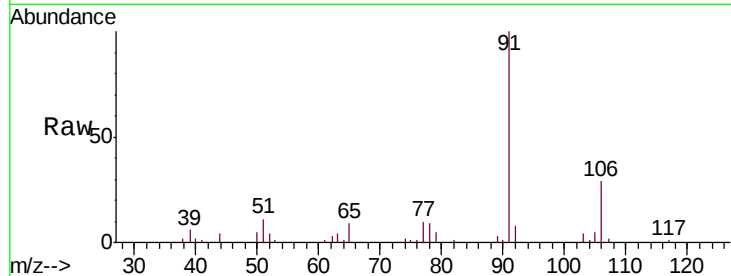
VSTD0.561

Tgt Ion: 91 Resp: 25022

Ion Ratio Lower Upper

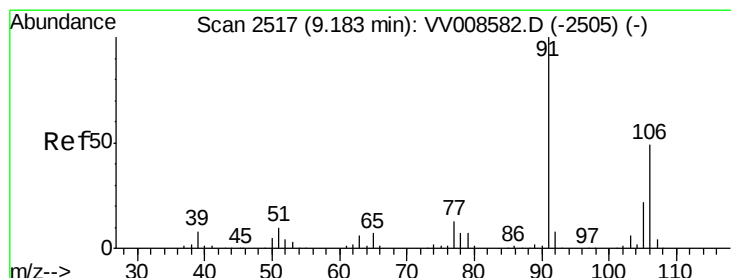
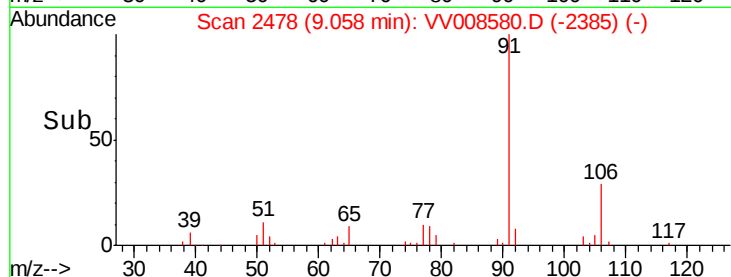
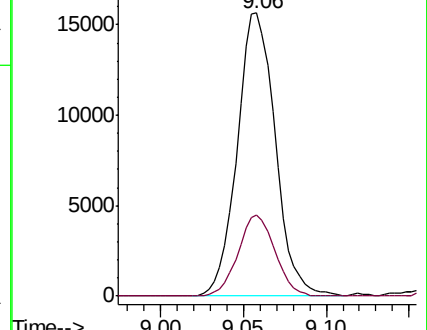
91 100

106 28.8 21.3 39.6



Abundance Ion 91.15 (90.85 to 91.85): VV008580.D (-2464) (-)

Ion 106.15 (105.85 to 106.85): VV008580.D (-2464) (-)



#53

m,p-xylene

Concen: 0.522 ug/L

RT: 9.18 min Scan# 2517

Delta R.T. 0.00 min

Lab File: VV008580.D

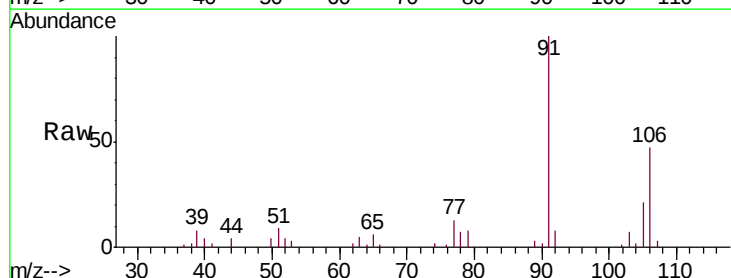
Acq: 16 Nov 2018 14:47

Tgt Ion: 106 Resp: 9186

Ion Ratio Lower Upper

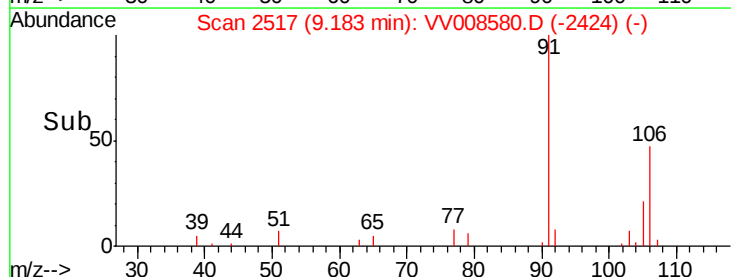
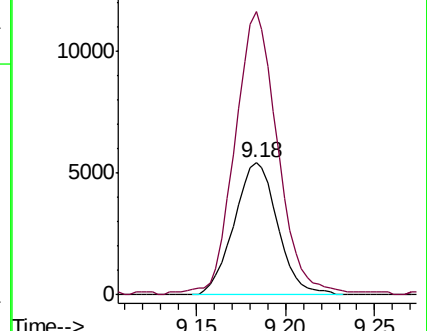
106 100

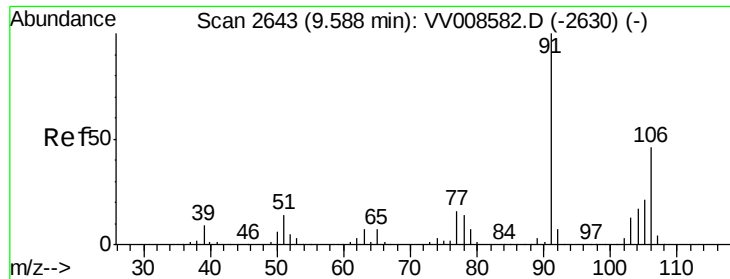
91 214.0 144.0 267.4



Abundance Ion 106.15 (105.85 to 106.85): VV008580.D (-2505) (-)

Ion 91.15 (90.85 to 91.85): VV008580.D (-2505) (-)

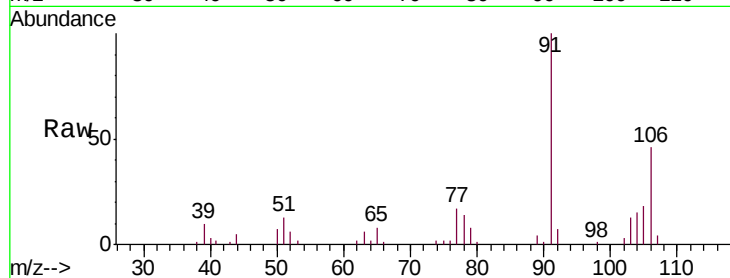




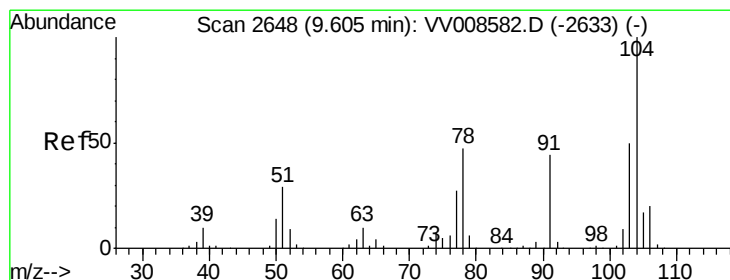
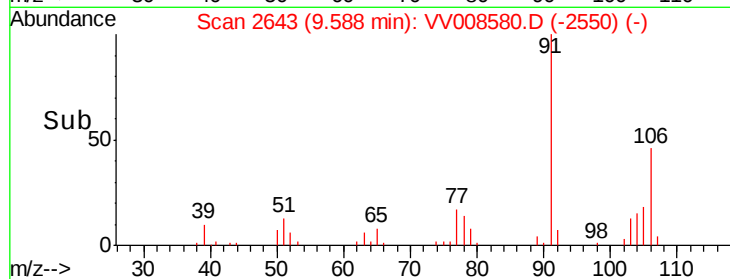
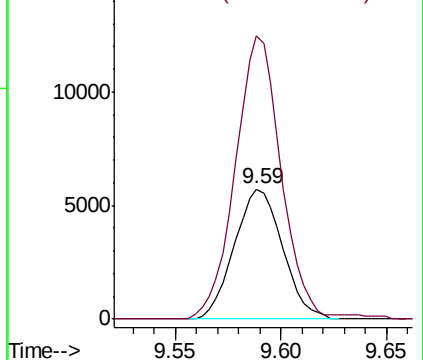
#54
o-xylene
Concen: 0.537 ug/L
RT: 9.59 min Scan# 2643
Delta R.T. 0.00 min
Lab File: VV008580.D
Acq: 16 Nov 2018 14:47

Instrument :
MSVOA_V
ClientSampleId :
VSTD0.561

Tgt Ion:106 Resp: 9081
Ion Ratio Lower Upper
106 100
91 217.3 152.9 284.1

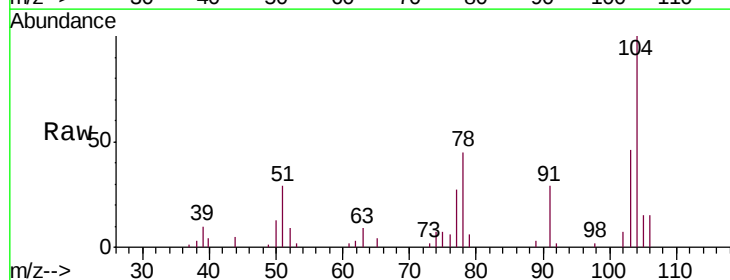


Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VV0

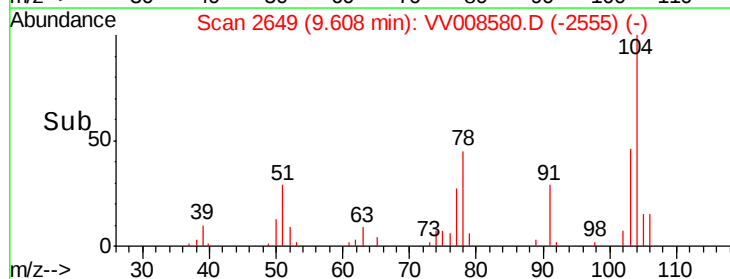
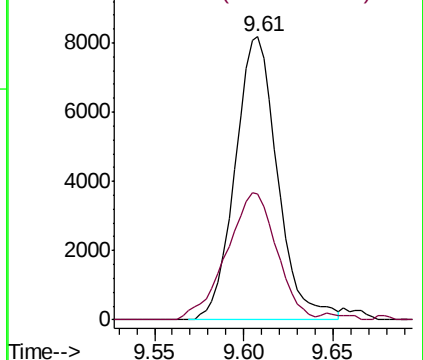


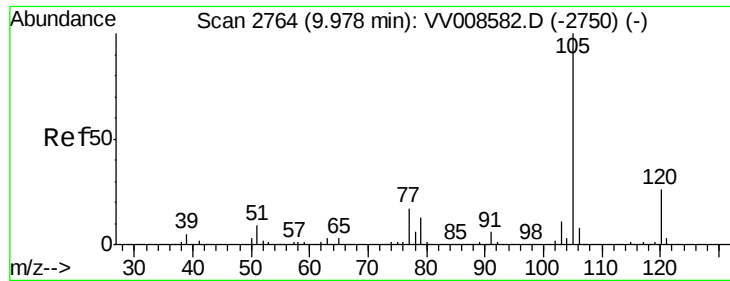
#55
Styrene
Concen: 0.482 ug/L
RT: 9.61 min Scan# 2649
Delta R.T. 0.00 min
Lab File: VV008580.D
Acq: 16 Nov 2018 14:47

Tgt Ion:104 Resp: 13593
Ion Ratio Lower Upper
104 100
78 44.6 32.9 61.1



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





#56

Isopropylbenzene

Concen: 0.520 ug/L

RT: 9.98 min Scan# 2764

Delta R.T. 0.00 min

Lab File: VV008580.D

Acq: 16 Nov 2018 14:47

Instrument :

MSVOA_V

ClientSampleId :

VSTD0.561

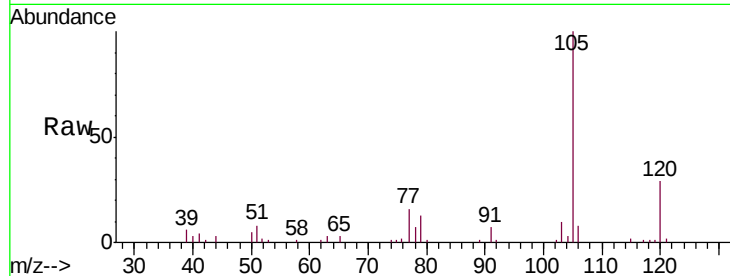
Tgt Ion: 105 Resp: 23859

Ion Ratio Lower Upper

105 100

120 27.3 21.0 31.6

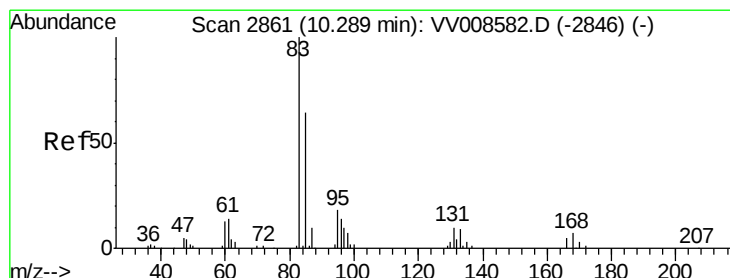
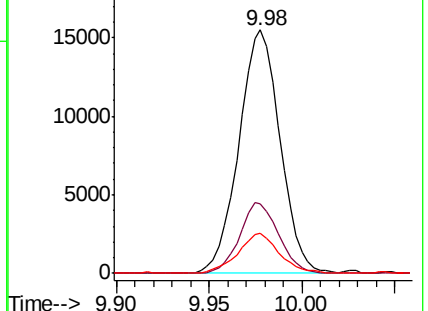
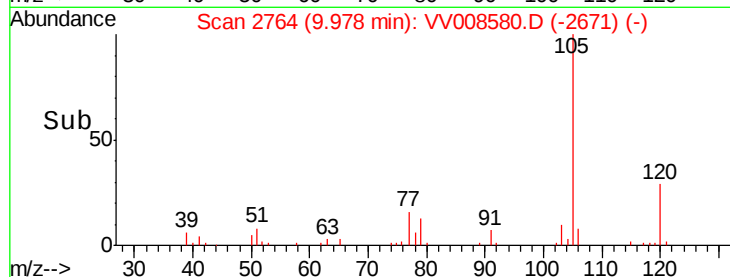
77 16.3 13.0 19.4



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.10 (119.80 to 120.80): V

Ion 77.10 (76.80 to 77.80): V



#58

1,1,2,2-Tetrachloroethane

Concen: 0.496 ug/L

RT: 10.29 min Scan# 2861

Delta R.T. 0.00 min

Lab File: VV008580.D

Acq: 16 Nov 2018 14:47

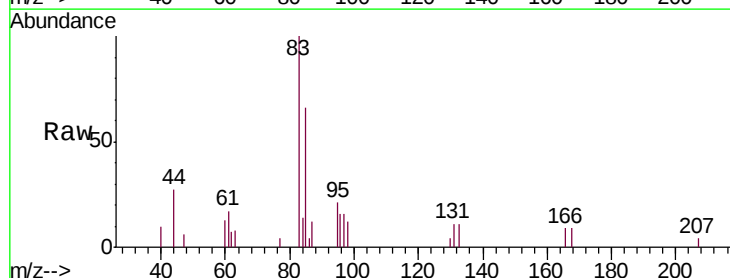
Tgt Ion: 83 Resp: 4158

Ion Ratio Lower Upper

83 100

85 66.2 44.8 83.2

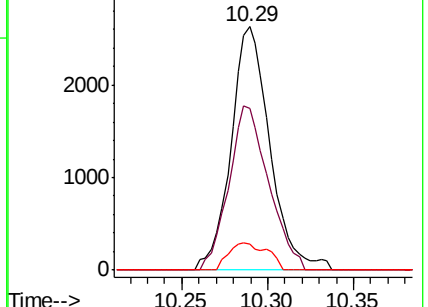
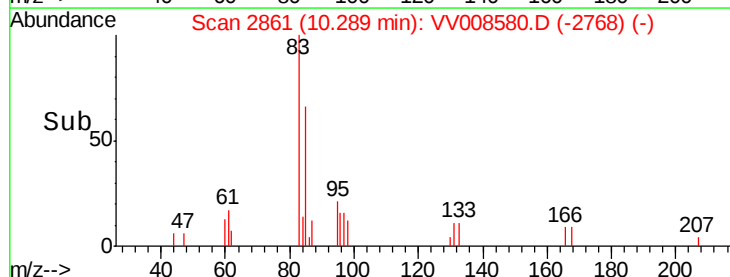
131 10.6 8.1 12.1

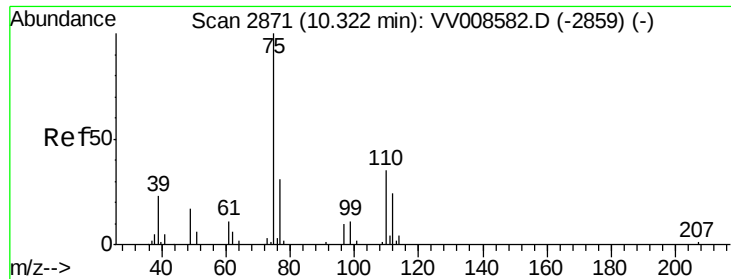


Abundance Ion 82.95 (82.65 to 83.65): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 130.95 (130.65 to 131.65): V

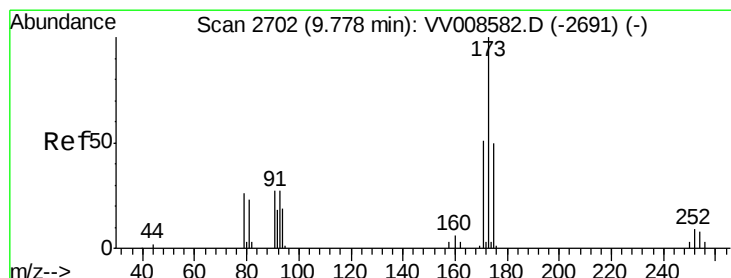
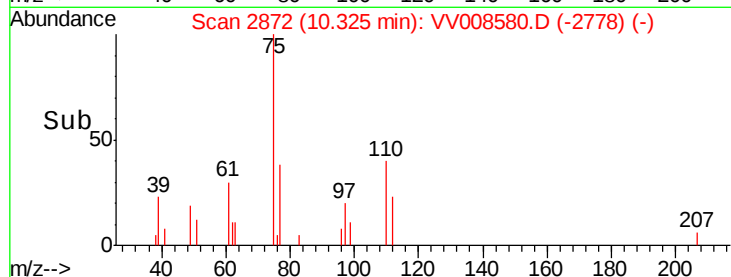
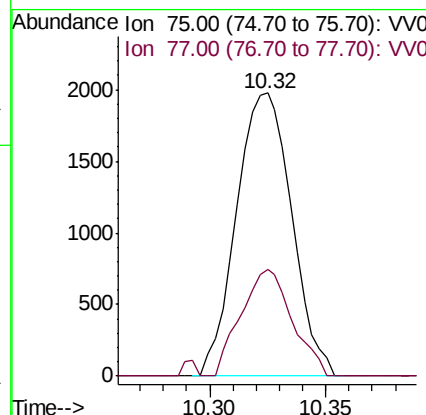
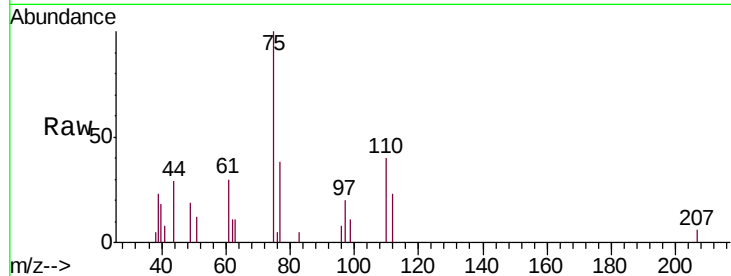




#59
 1,2,3-Trichloropropane
 Concen: 0.514 ug/L
 RT: 10.32 min Scan# 2872
 Delta R.T. 0.00 min
 Lab File: VV008580.D
 Acq: 16 Nov 2018 14:47

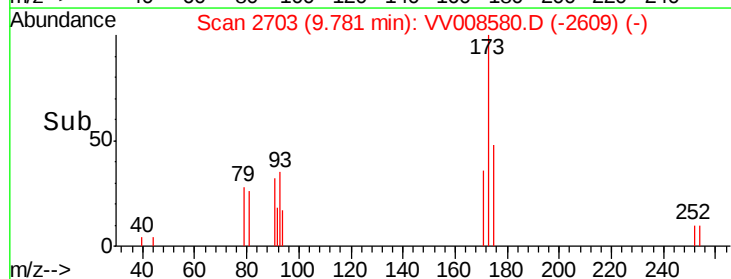
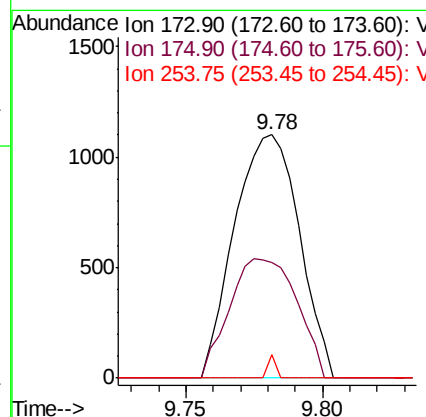
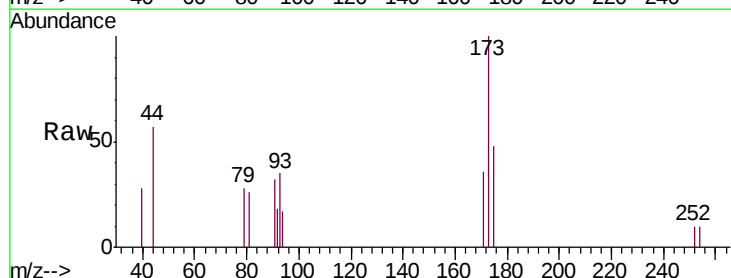
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD0.561

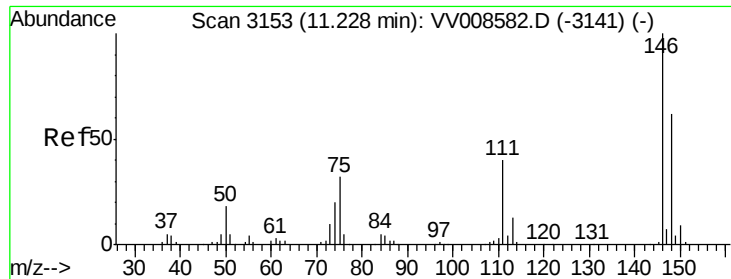
Tgt Ion: 75 Resp: 3274
 Ion Ratio Lower Upper
 75 100
 77 35.2 25.2 37.8



#61
 Bromoform
 Concen: 0.471 ug/L
 RT: 9.78 min Scan# 2703
 Delta R.T. 0.00 min
 Lab File: VV008580.D
 Acq: 16 Nov 2018 14:47

Tgt Ion: 173 Resp: 1821
 Ion Ratio Lower Upper
 173 100
 175 51.0 39.6 59.4
 254 1.2 6.2 9.4#

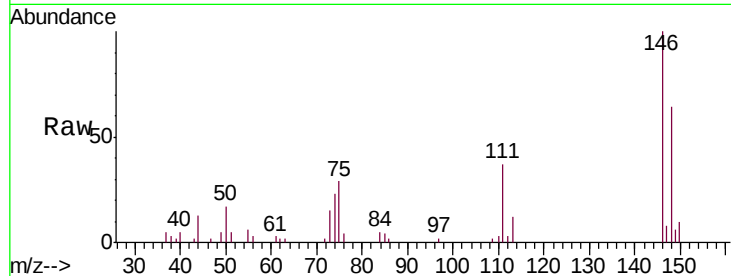




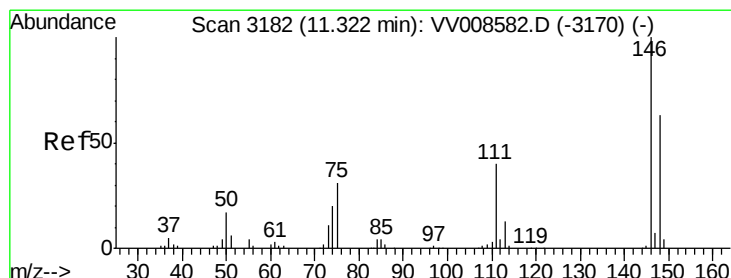
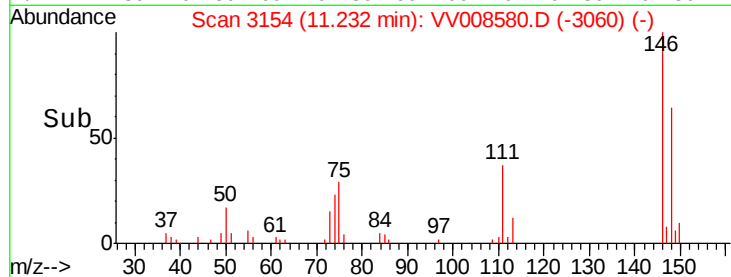
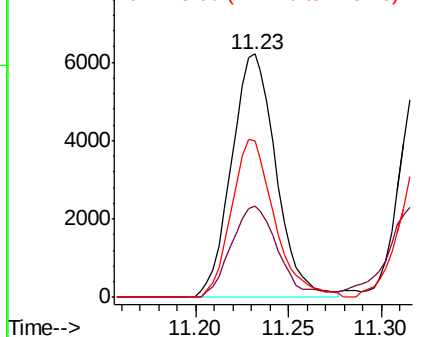
#62
 1,3-Dichlorobenzene
 Concen: 0.528 ug/L
 RT: 11.23 min Scan# 3154
 Delta R.T. 0.00 min
 Lab File: VV008580.D
 Acq: 16 Nov 2018 14:47

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD0.561

Tgt Ion:146 Resp: 10308
 Ion Ratio Lower Upper
 146 100
 111 37.5 28.1 52.1
 148 64.4 43.0 80.0

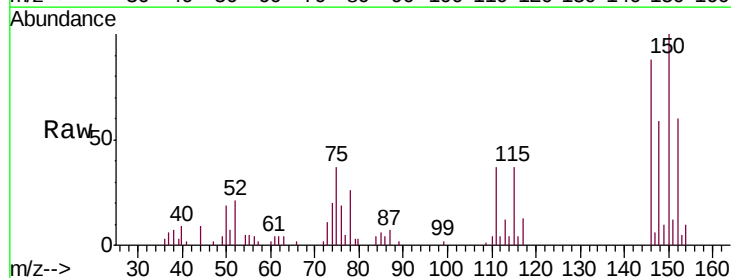


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 111.00 (110.70 to 111.70): V
 Ion 148.00 (147.70 to 148.70): V

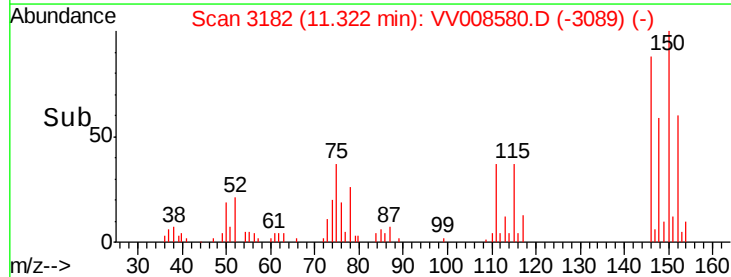
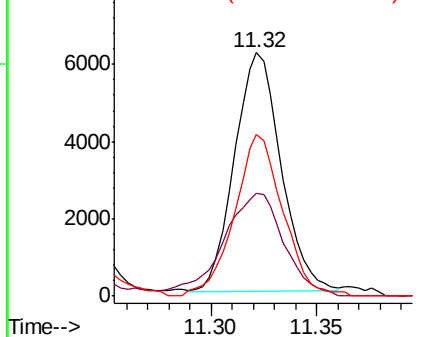


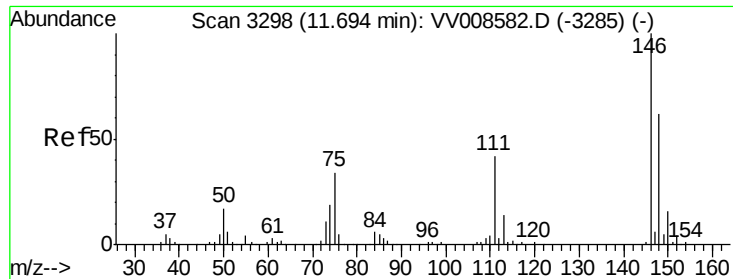
#63
 1,4-Dichlorobenzene
 Concen: 0.496 ug/L
 RT: 11.32 min Scan# 3182
 Delta R.T. 0.00 min
 Lab File: VV008580.D
 Acq: 16 Nov 2018 14:47

Tgt Ion:146 Resp: 9460
 Ion Ratio Lower Upper
 146 100
 111 42.2 28.2 52.4
 148 66.7 44.1 81.9



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





#65

1,2-Dichlorobenzene

Concen: 0.555 ug/L

RT: 11.69 min Scan# 3298

Delta R.T. 0.00 min

Lab File: VV008580.D

Acq: 16 Nov 2018 14:47

Instrument :

MSVOA_V

ClientSampleId :

VSTD0.561

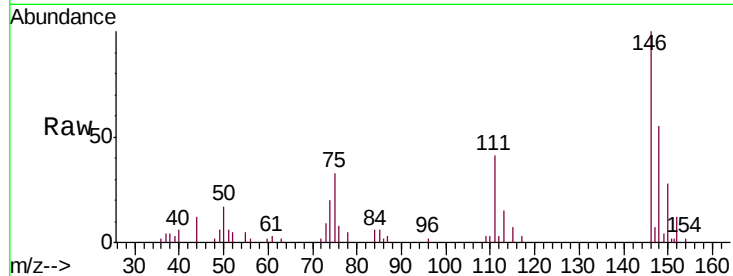
Tgt Ion:146 Resp: 10147

Ion Ratio Lower Upper

146 100

111 41.4 33.5 50.3

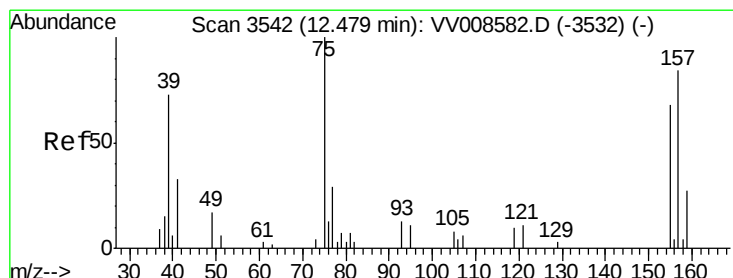
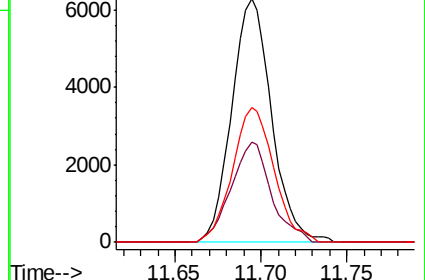
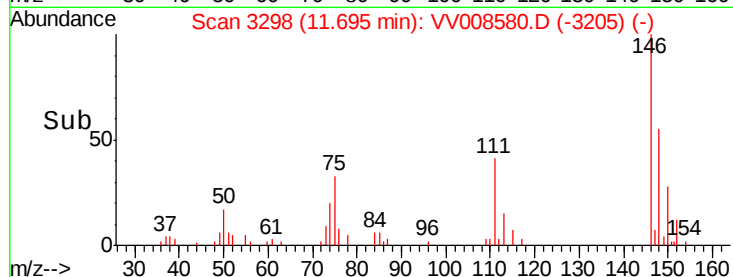
148 55.4 50.0 75.0



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#66

1,2-Dibromo-3-chloropropane

Concen: 0.394 ug/L

RT: 12.48 min Scan# 3542

Delta R.T. 0.00 min

Lab File: VV008580.D

Acq: 16 Nov 2018 14:47

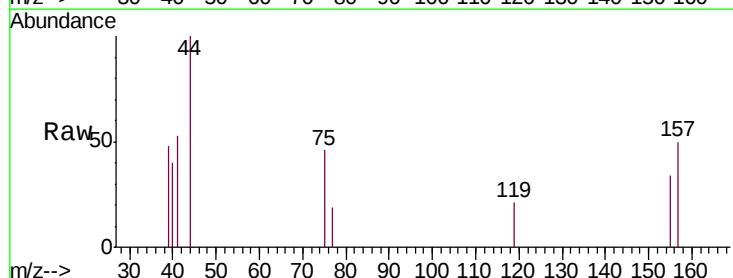
Tgt Ion: 75 Resp: 533

Ion Ratio Lower Upper

75 100

155 74.0 54.2 81.2

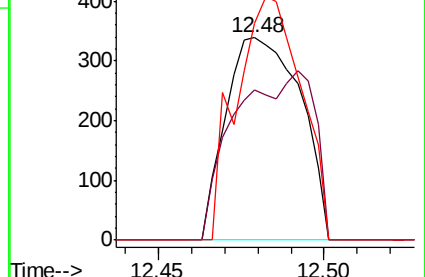
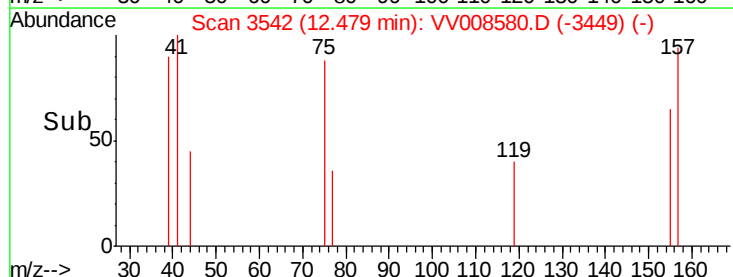
157 107.1 67.4 101.2#

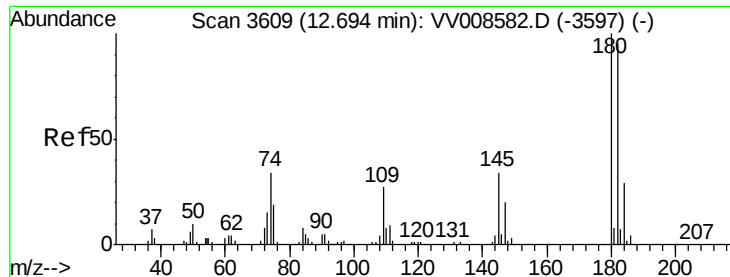


Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V

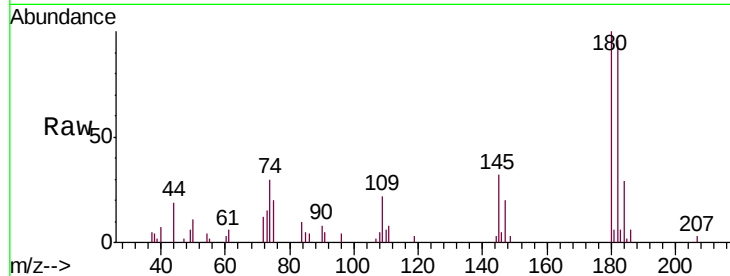




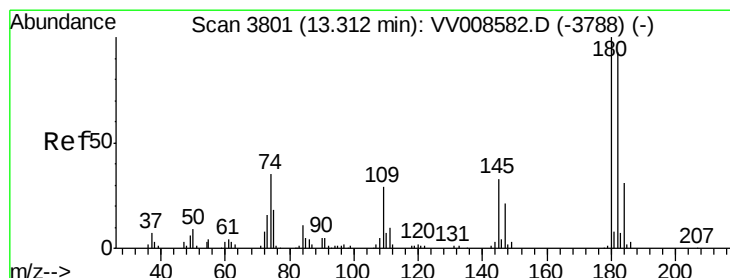
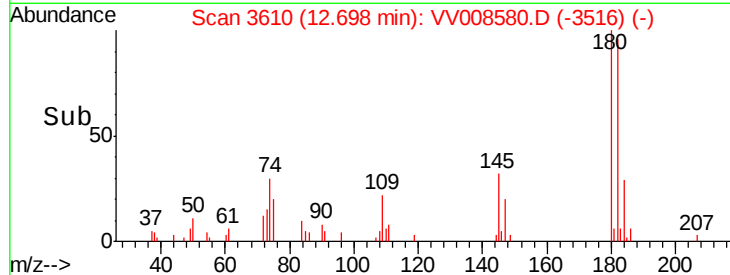
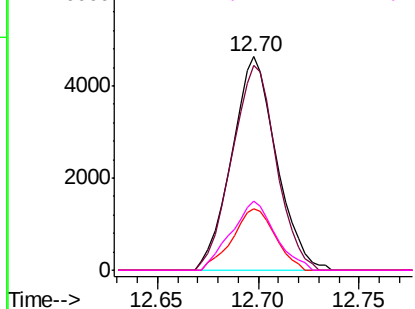
#67
 1,3,5-Trichlorobenzene
 Concen: 0.530 ug/L
 RT: 12.70 min Scan# 3610
 Delta R.T. 0.00 min
 Lab File: VV008580.D
 Acq: 16 Nov 2018 14:47

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD0.561

Tgt Ion:	180	Resp:	7173
Ion	Ratio	Lower	Upper
180	100		
182	95.0	75.9	113.9
184	27.5	23.9	35.9
145	31.8	26.8	40.2

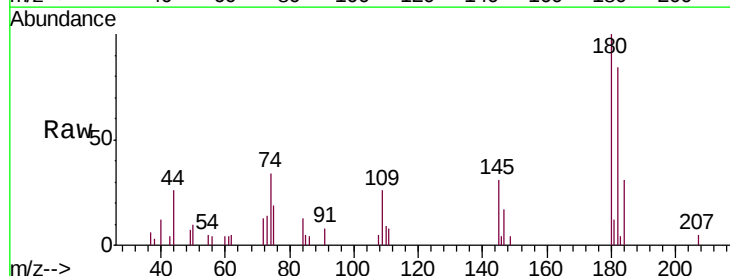


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

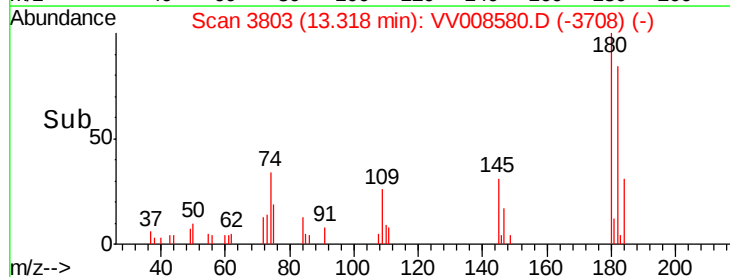
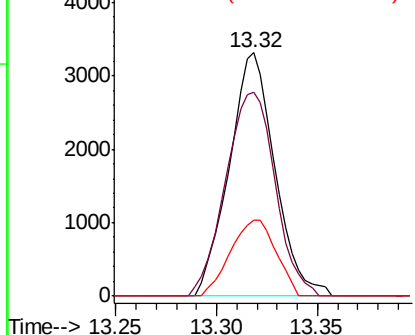


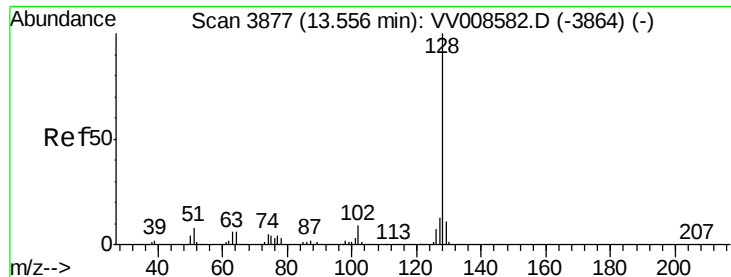
#68
 1,2,4-trichlorobenzene
 Concen: 0.497 ug/L
 RT: 13.32 min Scan# 3803
 Delta R.T. 0.01 min
 Lab File: VV008580.D
 Acq: 16 Nov 2018 14:47

Tgt Ion:	180	Resp:	5252
Ion	Ratio	Lower	Upper
180	100		
182	90.9	76.4	114.6
145	31.1	27.1	40.7



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: 0.447 ug/L

RT: 13.56 min Scan# 3878

Delta R.T. 0.00 min

Lab File: VV008580.D

Acq: 16 Nov 2018 14:47

Instrument :

MSVOA_V

ClientSampleId :

VSTD0.561

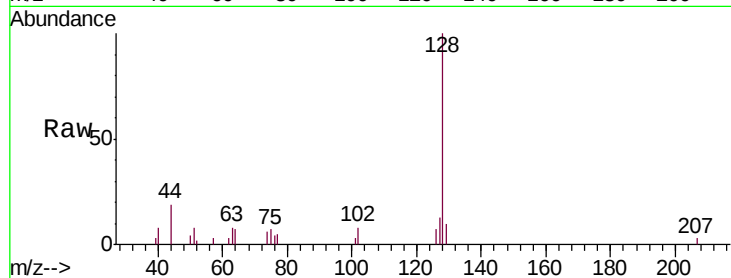
Tgt Ion:128 Resp: 8466

Ion Ratio Lower Upper

128 100

129 9.2 8.8 13.2

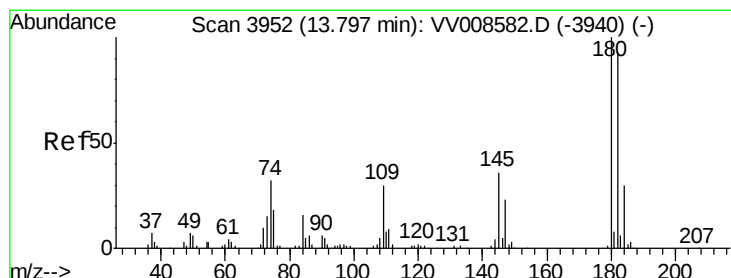
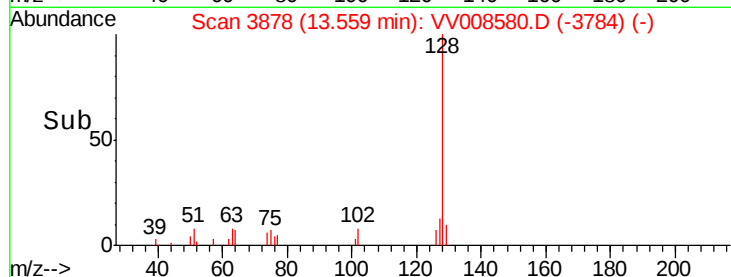
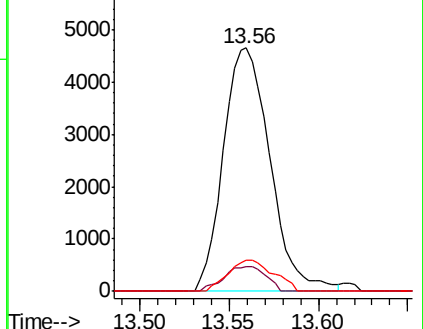
127 12.4 10.0 15.0



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: 0.487 ug/L

RT: 13.80 min Scan# 3953

Delta R.T. 0.00 min

Lab File: VV008580.D

Acq: 16 Nov 2018 14:47

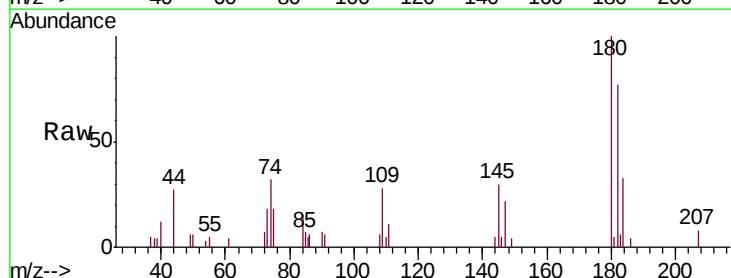
Tgt Ion:180 Resp: 4968

Ion Ratio Lower Upper

180 100

182 90.6 76.0 114.0

145 34.1 28.2 42.2



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

