

Data File : VV008089.D
Acq On : 05 Oct 2018 10:51
Operator : SY/MD
Sample : VSTD0.569
Misc : 25.0 mL/MSVOA_V/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VSTD0.569

Quant Time: Oct 06 00:11:34 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR100518WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Sat Oct 06 00:00:39 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.67	114	54620	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	50331	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	23782	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	1678	0.56	ug/L	0.00
7) Chloroethane-d5	1.59	69	1533	0.59	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.14	63	3366	0.51	ug/L	0.00
20) 2-Butanone-d5	3.97	46	3802	4.33	ug/L	0.00
24) Chloroform-d	4.40	84	1687	0.25	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.09	65	1748	0.48	ug/L	0.00
32) Benzene-d6	5.10	84	6445	0.53	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.12	67	2168	0.56	ug/L	0.00
41) Toluene-d8	7.36	98	5904	0.48	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.67	79	615	0.42	ug/L	0.00
46) 2-Hexanone-d5	8.14	63	2249	3.51	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.26	84	1358	0.46	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.68	152	2432	0.53	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	1794	0.404 ug/L	99
3) Chloromethane	1.25	50	1637	0.422 ug/L	93
5) Vinyl chloride	1.33	62	1678	0.400 ug/L	100
6) Bromomethane	1.54	94	889	0.360 ug/L	85
8) Chloroethane	1.60	64	1332	0.521 ug/L	84
9) Trichlorofluoromethane	1.78	101	3028	0.440 ug/L	96
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	1783	0.452 ug/L	93
12) 1,1-Dichloroethene	2.14	96	1437	0.411 ug/L	98
13) Acetone	2.21	43	3246	5.205 ug/L	96
14) Carbon disulfide	2.33	76	4123	0.438 ug/L #	88
15) Methyl Acetate	2.47	43	666	0.412 ug/L #	67
16) Methylene chloride	2.54	84	2249	0.574 ug/L	89
17) Methyl tert-butyl Ether	2.82	73	3721	0.428 ug/L #	72
18) trans-1,2-Dichloroethene	2.79	96	1719	0.446 ug/L	96
19) 1,1-Dichloroethane	3.23	63	3135	0.472 ug/L	93
21) 2-Butanone	4.05	43	4648	4.637 ug/L	93
22) cis-1,2-Dichloroethene	3.97	96	1783	0.450 ug/L	97
23) Bromochloromethane	4.31	128	781	0.446 ug/L	91
25) Chloroform	4.43	83	3297	0.456 ug/L	94
27) 1,2-Dichloroethane	5.19	62	1855	0.406 ug/L #	89
29) 1,1,1-Trichloroethane	4.65	97	2778	0.465 ug/L	94
30) Cyclohexane	4.72	56	2169	0.395 ug/L	92
31) Carbon tetrachloride	4.87	117	2506	0.475 ug/L	98
33) Benzene	5.15	78	5844	0.413 ug/L	100
34) Trichloroethene	5.96	95	2038	0.505 ug/L	90
35) Methylcyclohexane	6.18	83	2477	0.414 ug/L	94
37) 1,2-Dichloropropane	6.23	63	1737	0.476 ug/L #	87
38) Bromodichloromethane	6.56	83	2089	0.478 ug/L #	94
39) cis-1,3-Dichloropropene	7.07	75	1837	0.378 ug/L	96
40) 4-Methyl-2-pentanone	7.29	43	8957	3.949 ug/L	96

Data File : VV008089.D
Acq On : 05 Oct 2018 10:51
Operator : SY/MD
Sample : VSTD0.569
Misc : 25.0 mL/MSVOA_V/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VSTD0.569

Quant Time: Oct 06 00:11:34 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR100518WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Sat Oct 06 00:00:39 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.43	91	5757	0.374	ug/L	98
44) trans-1,3-Dichloropropene	7.70	75	1397	0.347	ug/L #	76
45) 1,1,2-Trichloroethane	7.89	97	1174	0.444	ug/L	87
47) Tetrachloroethene	8.02	164	1683	0.451	ug/L	89
48) 2-Hexanone	8.20	43	5406	3.428	ug/L	96
49) Dibromochloromethane	8.30	129	1388	0.457	ug/L	83
50) 1,2-Dibromoethane	8.40	107	1080	0.451	ug/L #	86
51) Chlorobenzene	8.93	112	4367	0.410	ug/L	93
52) Ethylbenzene	9.06	91	6280	0.368	ug/L	96
53) m,p-xylene	9.18	106	2293	0.351	ug/L	88
54) o-xylene	9.59	106	2095	0.334	ug/L	90
55) Styrene	9.61	104	3335	0.310	ug/L	98
56) Isopropylbenzene	9.98	105	6014	0.354	ug/L	96
58) 1,1,2,2-Tetrachloroethane	10.29	83	1324	0.429	ug/L #	90
59) 1,2,3-Trichloropropane	10.32	75	974	0.432	ug/L	97
61) Bromoform	9.78	173	667	0.456	ug/L #	92
62) 1,3-Dichlorobenzene	11.23	146	3514	0.454	ug/L	88
63) 1,4-Dichlorobenzene	11.32	146	3539	0.439	ug/L	99
65) 1,2-Dichlorobenzene	11.69	146	3454	0.471	ug/L	97
66) 1,2-Dibromo-3-chloropropan	12.48	75	178	0.472	ug/L #	39
67) 1,3,5-Trichlorobenzene	12.70	180	2872	0.432	ug/L	98
68) 1,2,4-trichlorobenzene	13.32	180	1827	0.329	ug/L	93
69) Naphthalene	13.56	128	2412	0.318	ug/L #	88
70) 1,2,3-Trichlorobenzene	13.80	180	1953	0.388	ug/L	92

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

Data File : VV008089.D

Acq On : 05 Oct 2018 10:51

Operator : SY/MD

Sample : VSTD0.569

Misc : 25.0 mL/MSVOA V/WATER

```
ALS Vial      : 3      Sample Multiplier: 1
```

Instrument :
MSVOA_V
ClientSampleId :
VSTD0.569

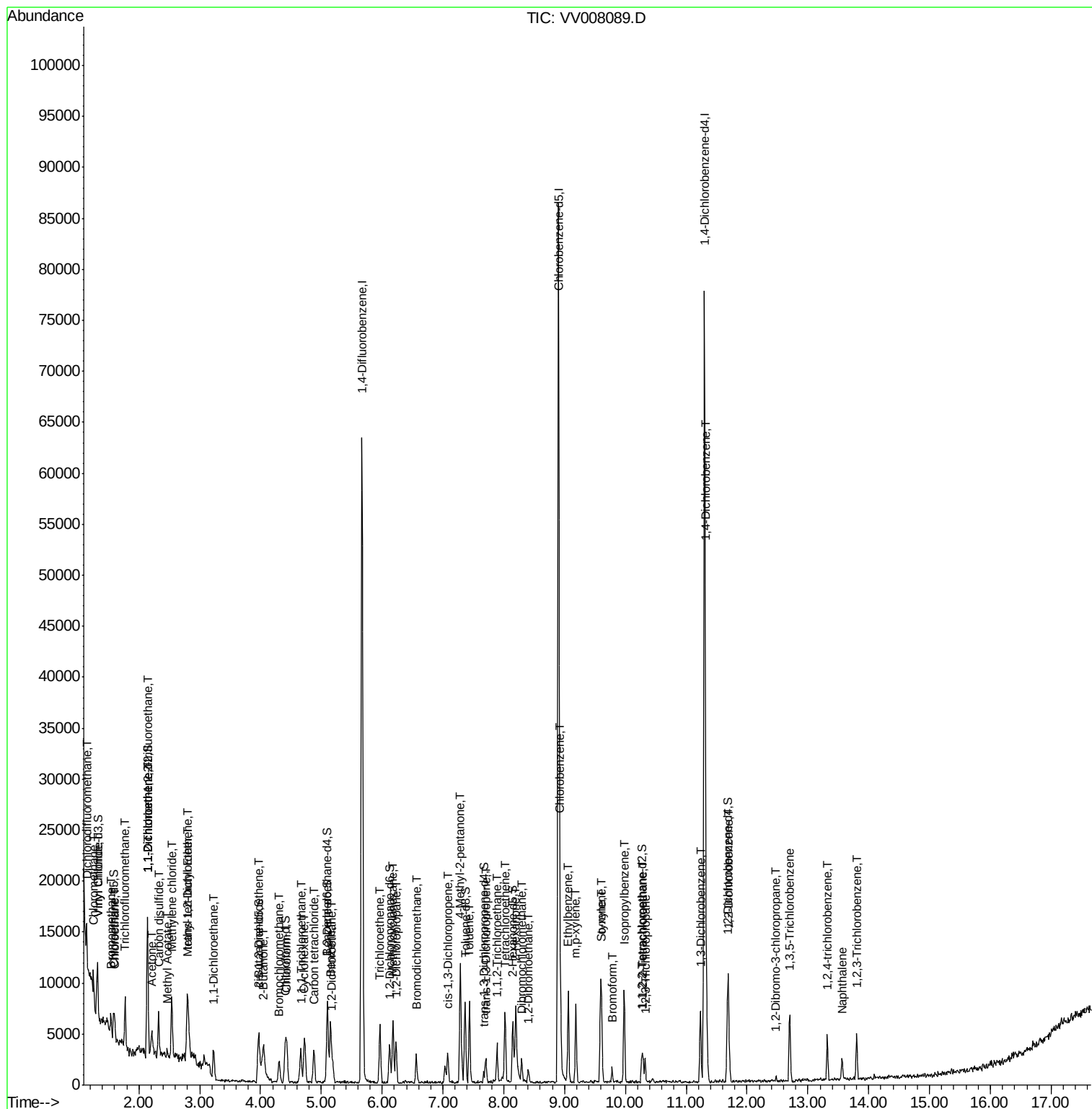
Quant Time: Oct 06 00:11:34 2018

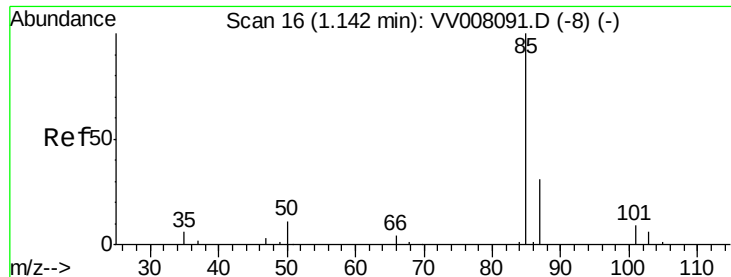
Quant Method : Z:\V0ASRV\HPCHEM1\MSV0A_V\METHOD\SOMVTR100518WMA.M

Quant Title : TRACE VOA SOM01.0

QLast Update : Sat Oct 06 00:00:39 2018

Response via : Initial Calibration





#2

Dichlorodifluoromethane

Concen: 0.404 ug/L

RT: 1.14 min Scan# 16

Delta R.T. -0.00 min

Lab File: VV008089.D

Acq: 05 Oct 2018 10:51

Instrument :

MSVOA_V

ClientSampleId :

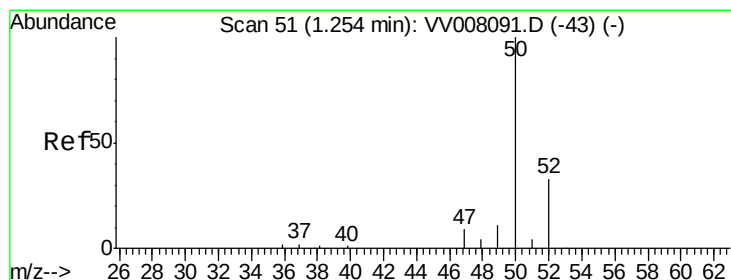
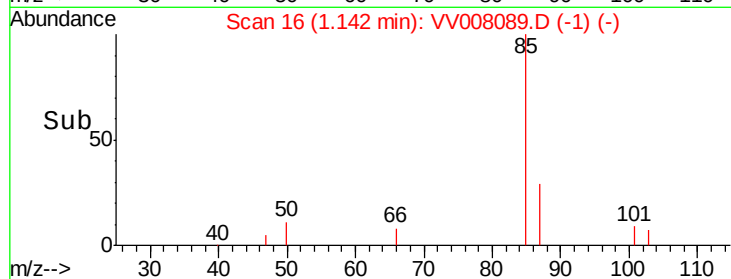
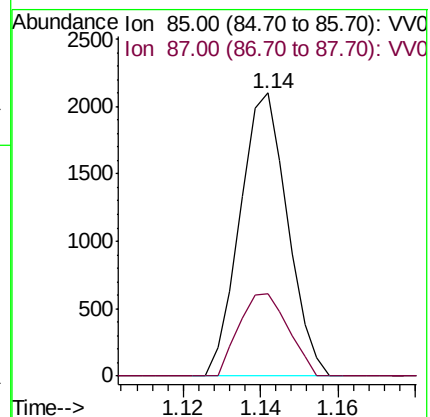
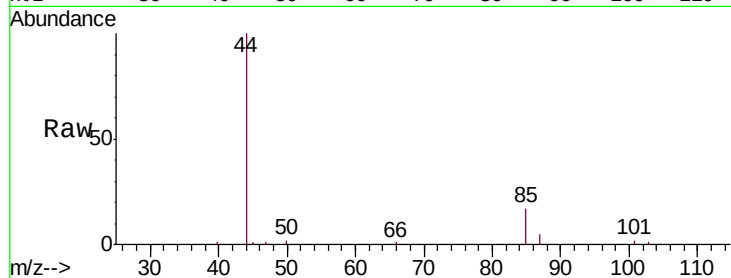
VSTD0.569

Tgt Ion: 85 Resp: 1794

Ion Ratio Lower Upper

85 100

87 30.0 24.6 37.0



#3

Chloromethane

Concen: 0.422 ug/L

RT: 1.25 min Scan# 51

Delta R.T. -0.00 min

Lab File: VV008089.D

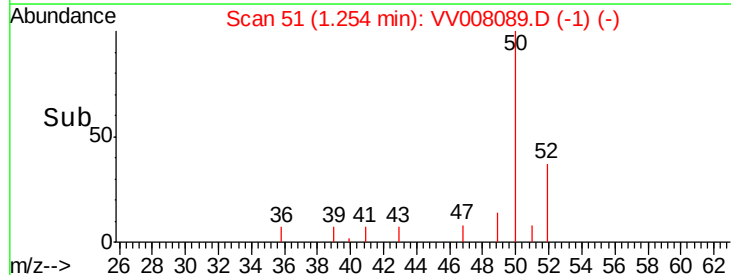
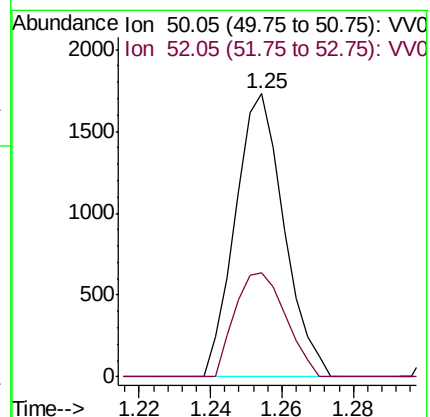
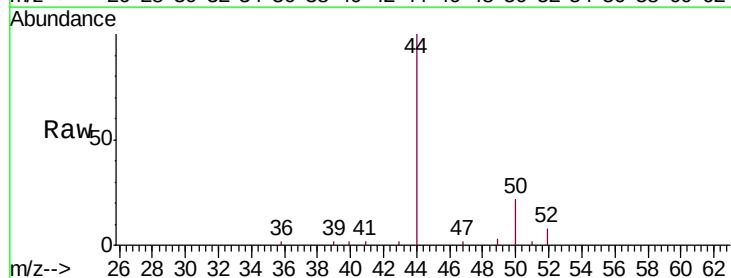
Acq: 05 Oct 2018 10:51

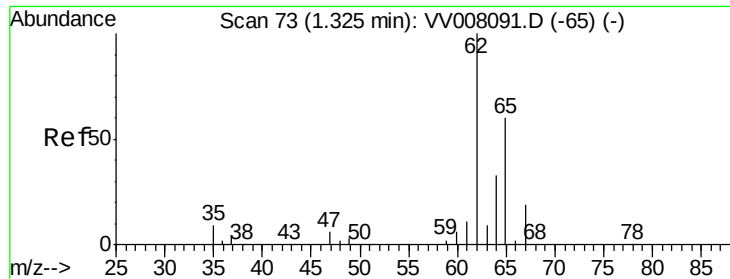
Tgt Ion: 50 Resp: 1637

Ion Ratio Lower Upper

50 100

52 36.8 22.9 42.5





#5

Vinyl chloride

Concen: 0.400 ug/L

RT: 1.33 min Scan# 73

Delta R.T. -0.00 min

Lab File: VV008089.D

Acq: 05 Oct 2018 10:51

Instrument :

MSVOA_V

ClientSampleId :

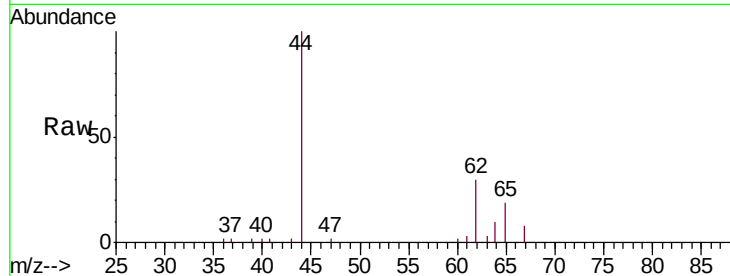
VSTD0.569

Tgt Ion: 62 Resp: 1678

Ion Ratio Lower Upper

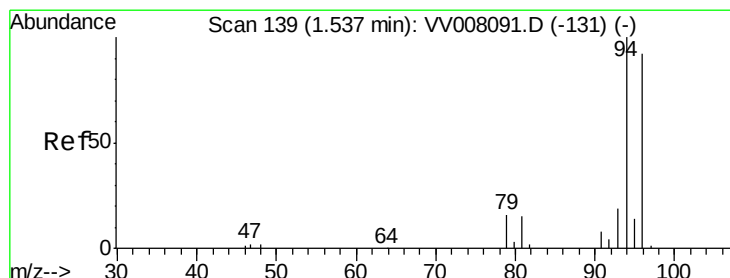
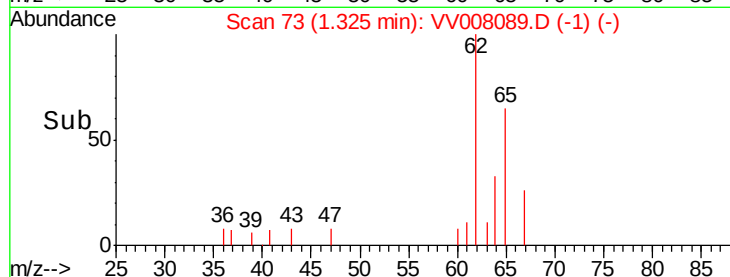
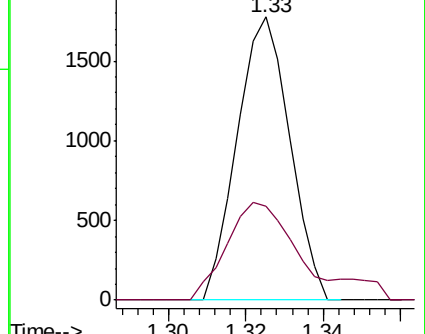
62 100

64 33.4 23.4 43.4



Abundance Ion 62.00 (61.70 to 62.70): VV008089.D (-65) (-)

Ion 64.10 (63.80 to 64.80): VV008089.D (-65) (-)



#6

Bromomethane

Concen: 0.360 ug/L

RT: 1.54 min Scan# 140

Delta R.T. 0.00 min

Lab File: VV008089.D

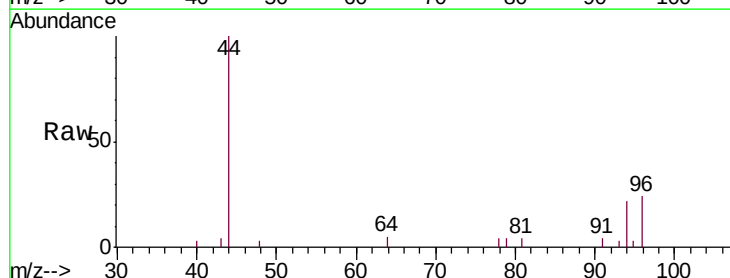
Acq: 05 Oct 2018 10:51

Tgt Ion: 94 Resp: 889

Ion Ratio Lower Upper

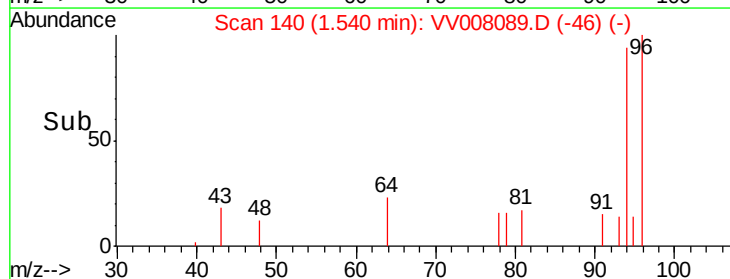
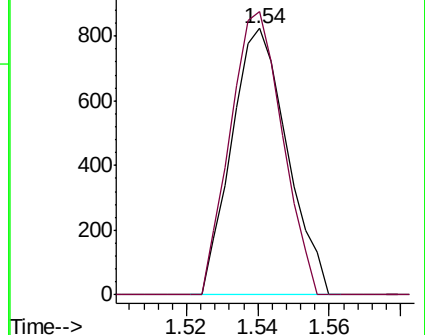
94 100

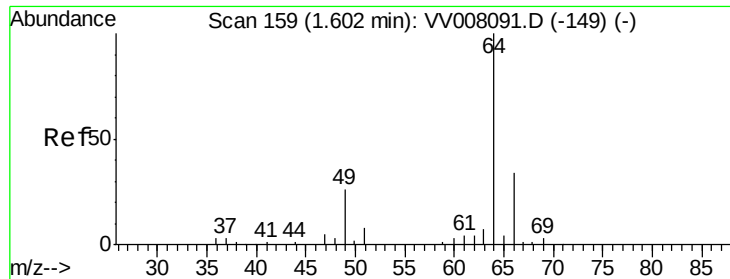
96 106.3 64.4 119.6



Abundance Ion 94.00 (93.70 to 94.70): VV008089.D (-131) (-)

Ion 96.00 (95.70 to 96.70): VV008089.D (-131) (-)

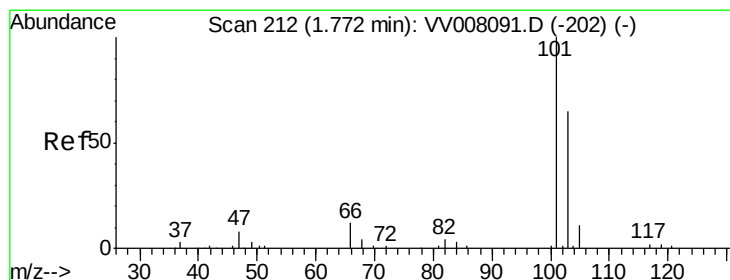
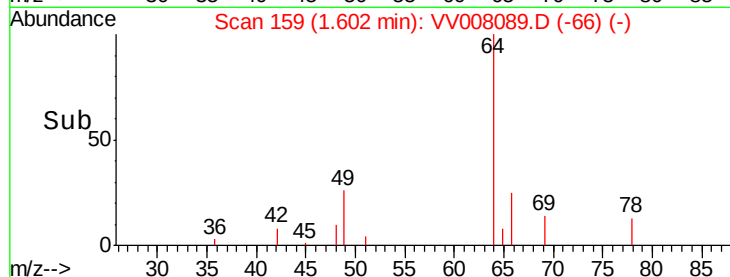
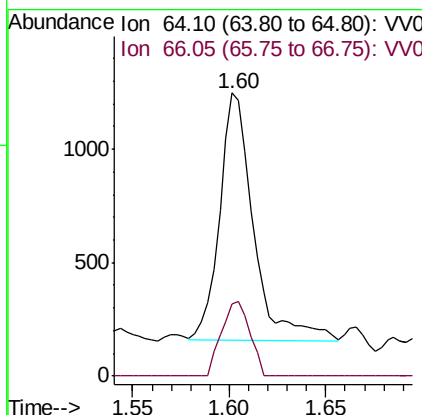
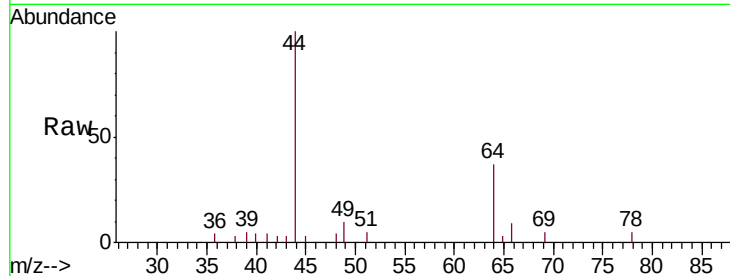




#8
Chloroethane
Concen: 0.521 ug/L
RT: 1.60 min Scan# 159
Delta R.T. -0.00 min
Lab File: VV008089.D
Acq: 05 Oct 2018 10:51

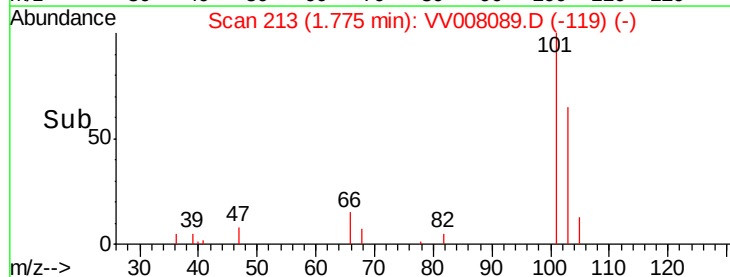
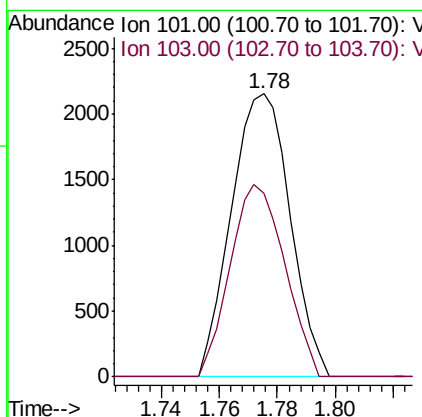
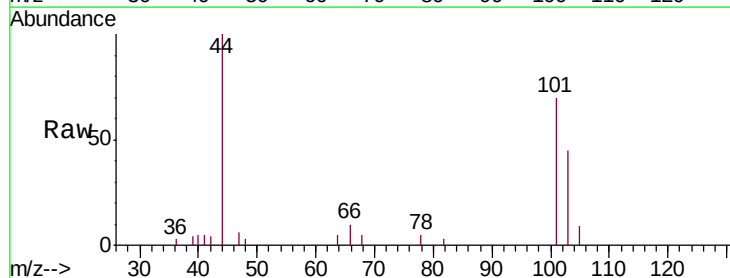
Instrument :
MSVOA_V
ClientSampleId :
VSTD0.569

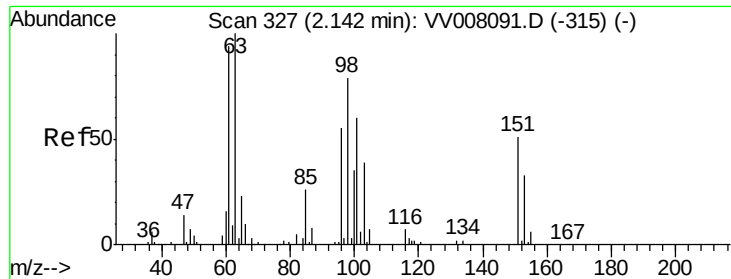
Tgt Ion: 64 Resp: 1332
Ion Ratio Lower Upper
64 100
66 25.4 24.1 44.8



#9
Trichlorofluoromethane
Concen: 0.440 ug/L
RT: 1.78 min Scan# 213
Delta R.T. 0.00 min
Lab File: VV008089.D
Acq: 05 Oct 2018 10:51

Tgt Ion: 101 Resp: 3028
Ion Ratio Lower Upper
101 100
103 63.1 53.1 79.7





#10

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

Concen: 0.452 ug/L

RT: 2.14 min Scan# 328

Delta R.T. 0.00 min

Lab File: VV008089.D

Acq: 05 Oct 2018 10:51

Instrument :

MSVOA_V

ClientSampleId :

VSTD0.569

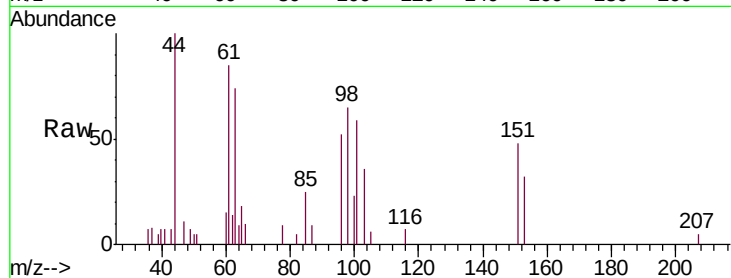
Tgt Ion: 101 Resp: 1783

Ion Ratio Lower Upper

101 100

85 39.8 35.4 53.0

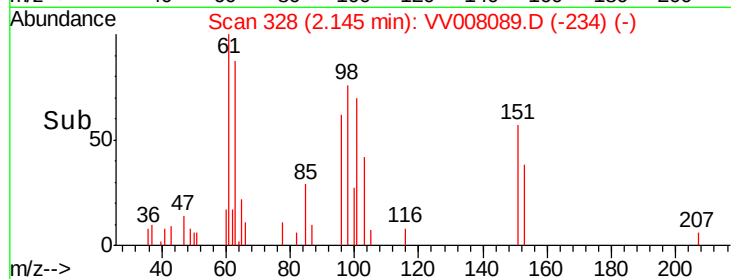
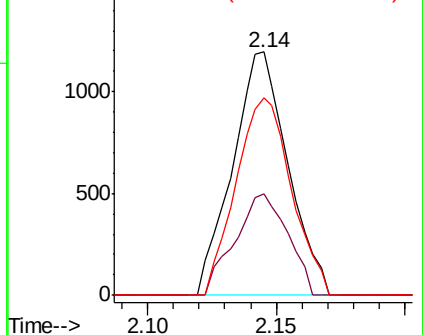
151 81.2 70.7 106.1



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VV0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 0.411 ug/L

RT: 2.14 min Scan# 328

Delta R.T. -0.00 min

Lab File: VV008089.D

Acq: 05 Oct 2018 10:51

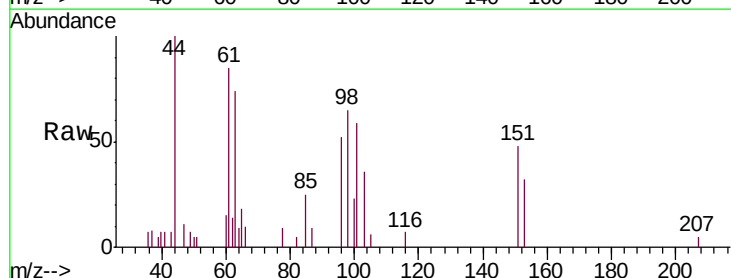
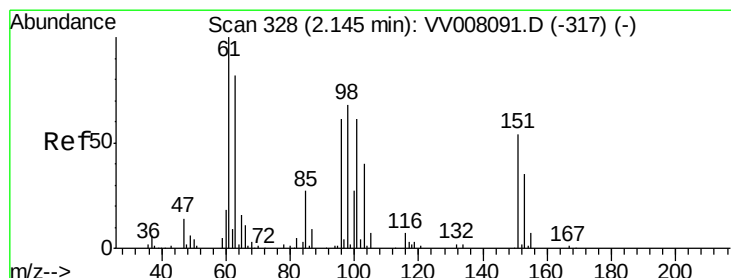
Tgt Ion: 96 Resp: 1437

Ion Ratio Lower Upper

96 100

61 162.0 114.7 213.1

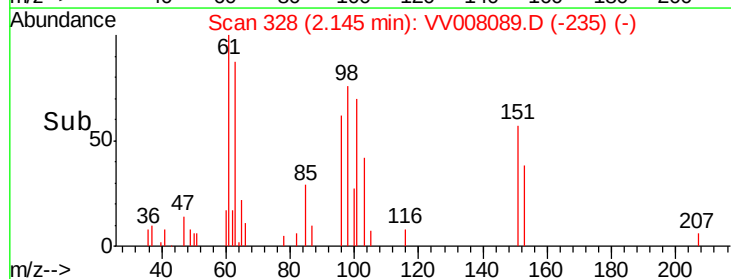
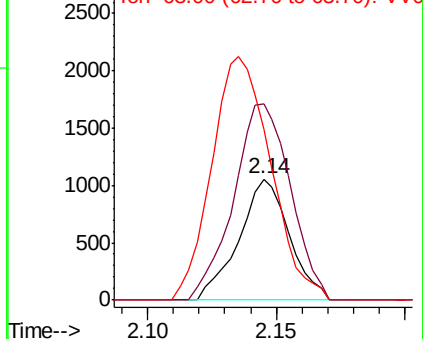
63 141.0 96.9 179.9

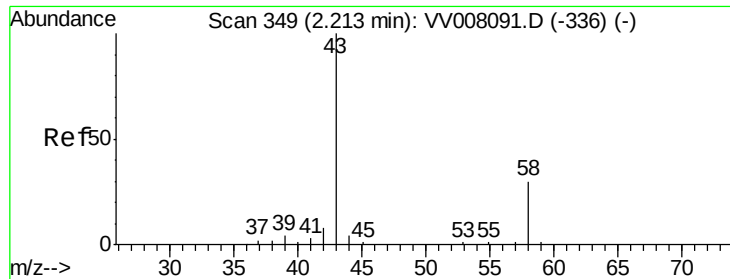


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.05 (60.75 to 61.75): VV0

Ion 63.00 (62.70 to 63.70): VV0





#13

Acetone

Concen: 5.205 ug/L

RT: 2.21 min Scan# 348

Delta R.T. -0.00 min

Lab File: VV008089.D

Acq: 05 Oct 2018 10:51

Instrument :

MSVOA_V

ClientSampleId :

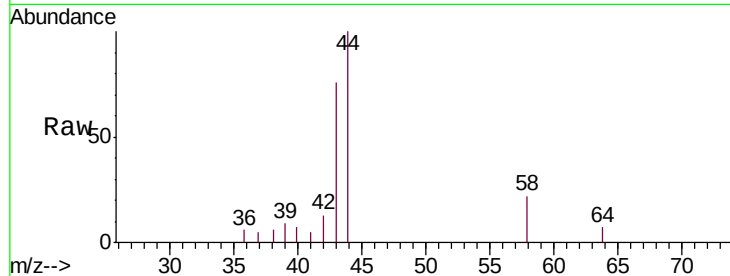
VSTD0.569

Tgt Ion: 43 Resp: 3246

Ion Ratio Lower Upper

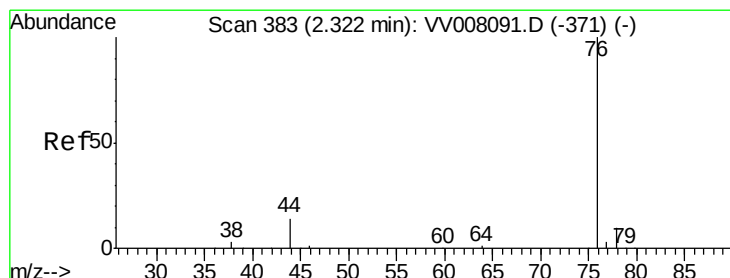
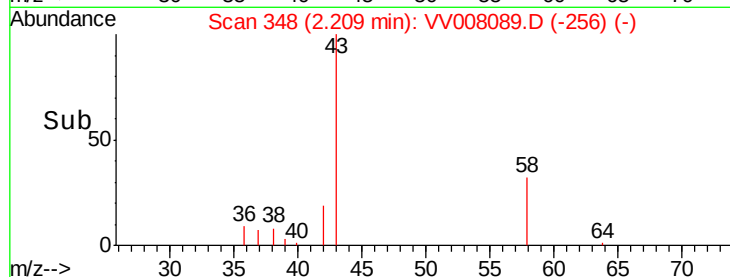
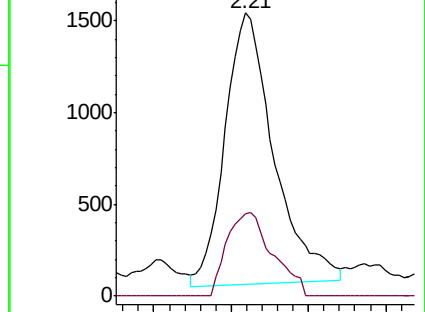
43 100

58 28.8 0.0 62.2



Abundance Ion 43.05 (42.75 to 43.75): VV008089.D (-336) (-)

Ion 58.05 (57.75 to 58.75): VV008089.D (-336) (-)



#14

Carbon disulfide

Concen: 0.438 ug/L

RT: 2.33 min Scan# 384

Delta R.T. 0.00 min

Lab File: VV008089.D

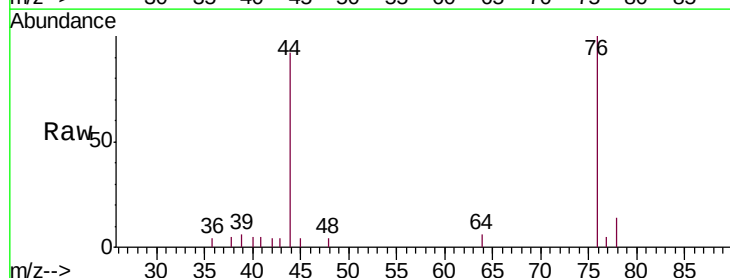
Acq: 05 Oct 2018 10:51

Tgt Ion: 76 Resp: 4123

Ion Ratio Lower Upper

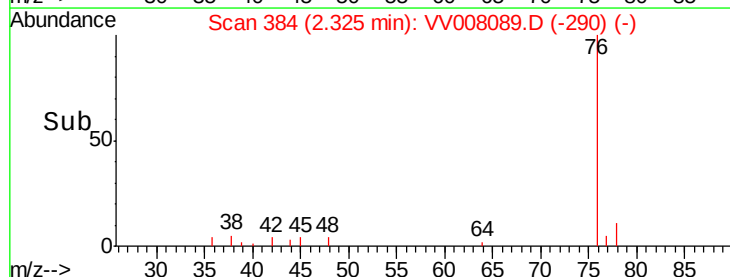
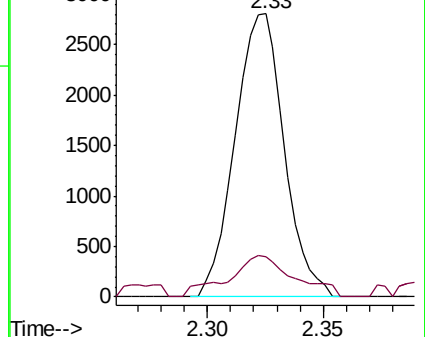
76 100

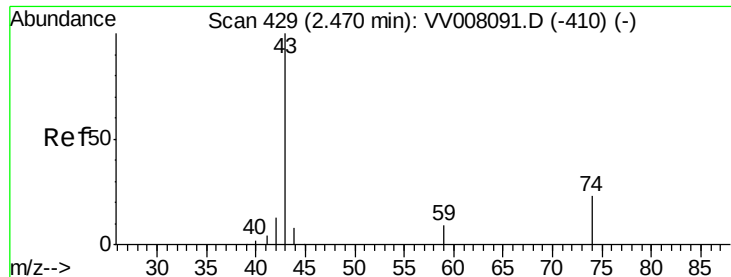
78 14.4 8.0 12.0#



Abundance Ion 76.05 (75.75 to 76.75): VV008089.D (-371) (-)

Ion 78.00 (77.70 to 78.70): VV008089.D (-371) (-)

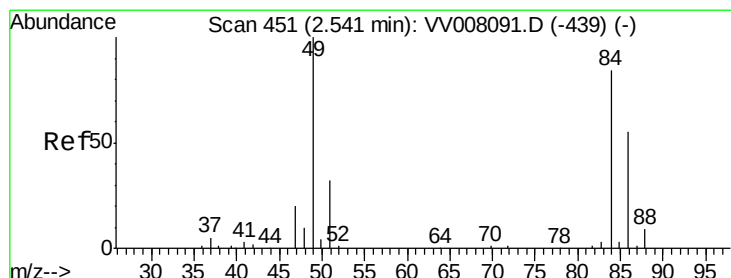
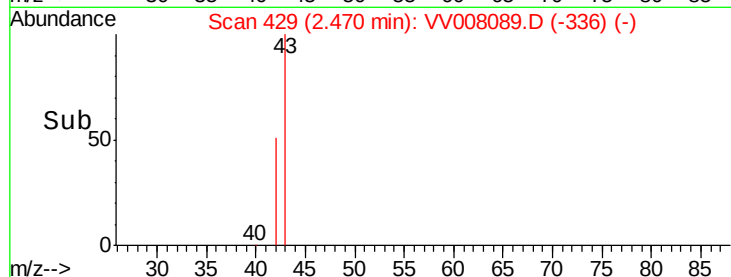
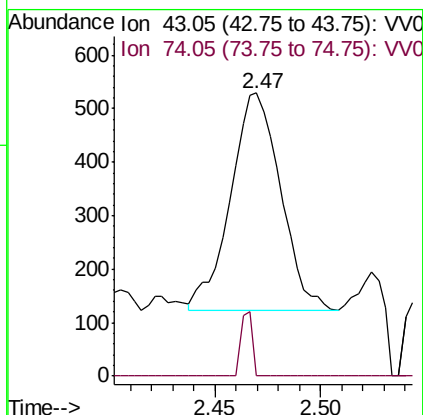
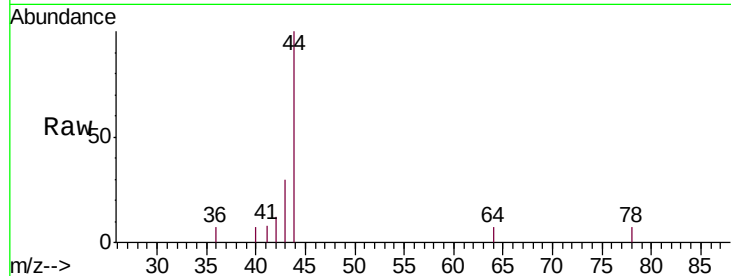




#15
Methyl Acetate
Concen: 0.412 ug/L
RT: 2.47 min Scan# 429
Delta R.T. -0.00 min
Lab File: VV008089.D
Acq: 05 Oct 2018 10:51

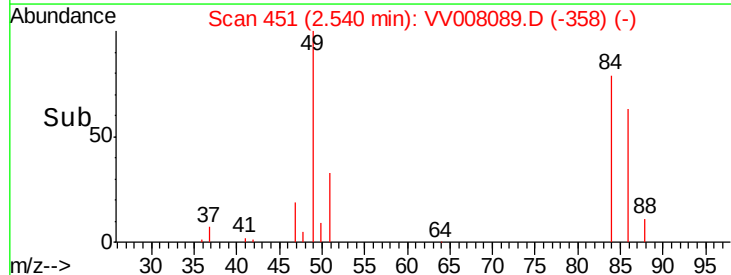
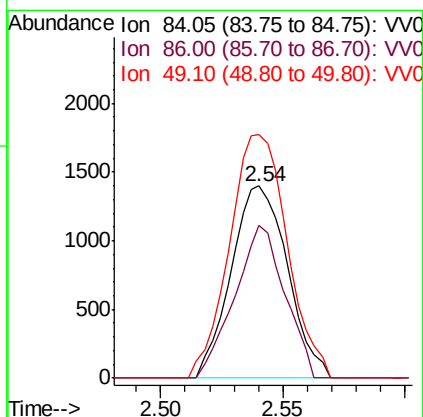
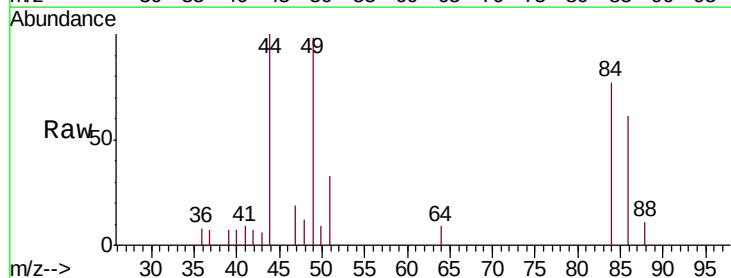
Instrument :
MSVOA_V
ClientSampled :
VSTD0.569

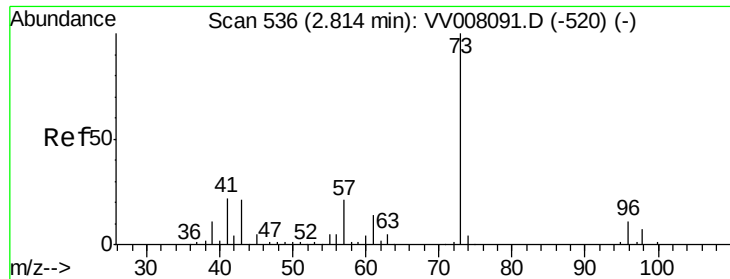
Tgt Ion: 43 Resp: 666
Ion Ratio Lower Upper
43 100
74 6.8 18.1 27.1#



#16
Methylene chloride
Concen: 0.574 ug/L
RT: 2.54 min Scan# 451
Delta R.T. -0.00 min
Lab File: VV008089.D
Acq: 05 Oct 2018 10:51

Tgt Ion: 84 Resp: 2249
Ion Ratio Lower Upper
84 100
86 79.3 45.3 84.1
49 126.6 83.0 154.1

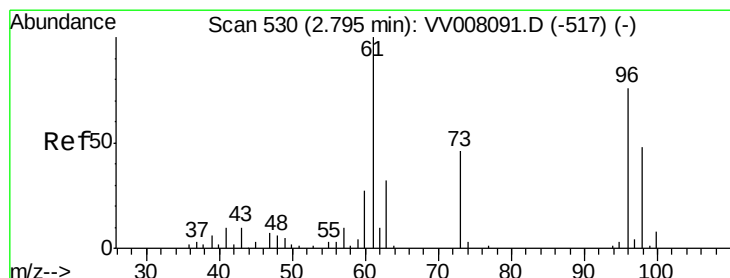
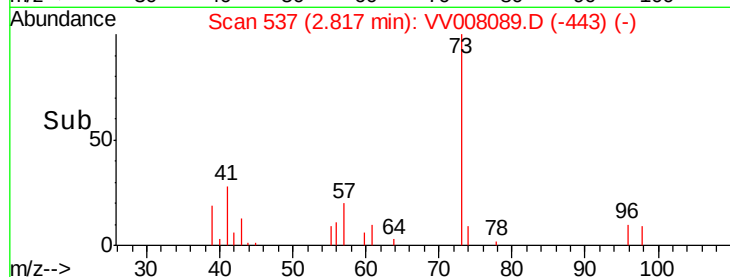
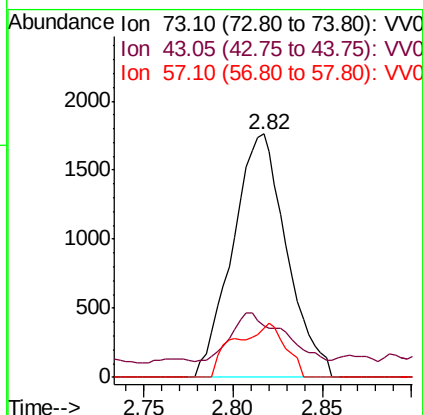
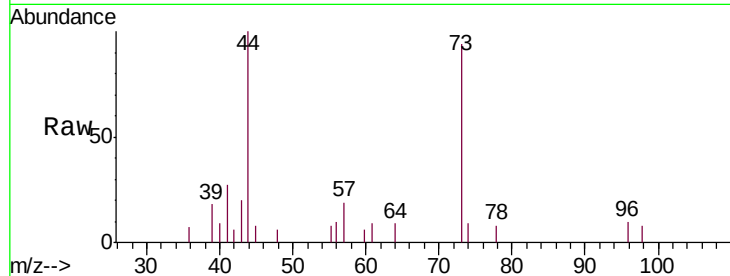




#17
Methyl tert-butyl Ether
Concen: 0.428 ug/L
RT: 2.82 min Scan# 537
Delta R.T. 0.00 min
Lab File: VV008089.D
Acq: 05 Oct 2018 10:51

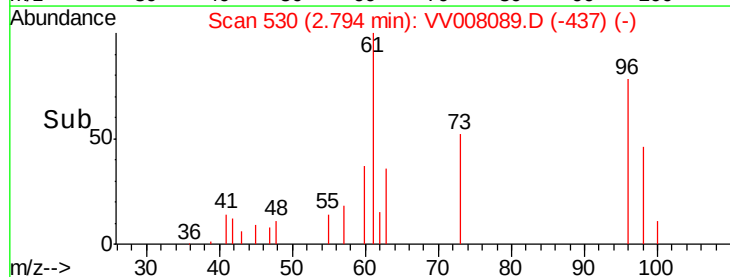
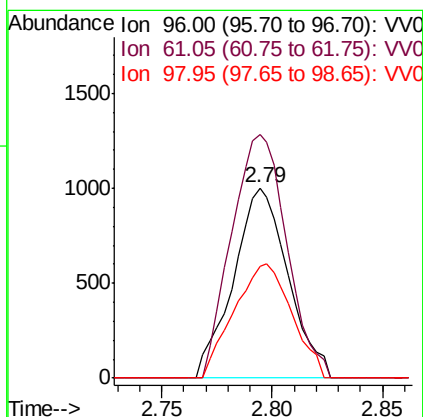
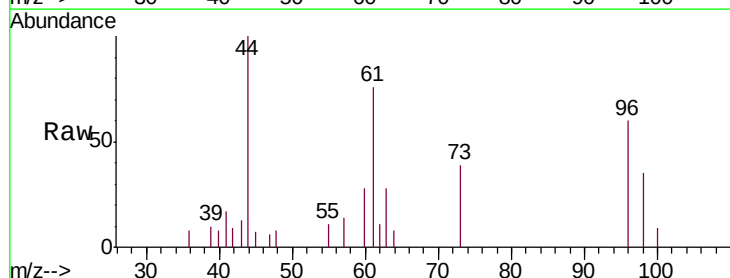
Instrument :
MSVOA_V
ClientSampleId :
VSTD0.569

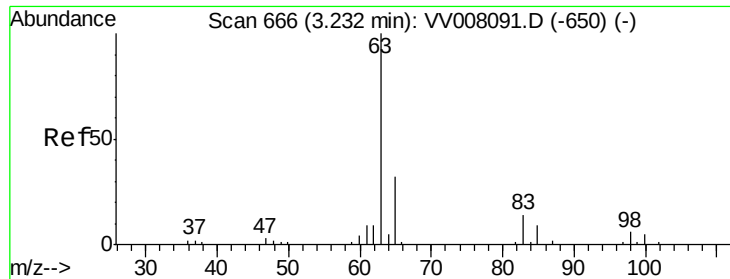
Tgt Ion: 73 Resp: 3721
Ion Ratio Lower Upper
73 100
43 3.2 17.0 25.4#
57 13.0 17.3 25.9#



#18
trans-1,2-Dichloroethene
Concen: 0.446 ug/L
RT: 2.79 min Scan# 530
Delta R.T. -0.00 min
Lab File: VV008089.D
Acq: 05 Oct 2018 10:51

Tgt Ion: 96 Resp: 1719
Ion Ratio Lower Upper
96 100
61 128.0 91.6 170.2
98 58.9 44.4 82.5

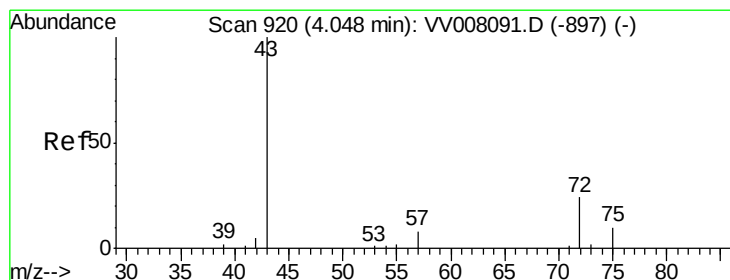
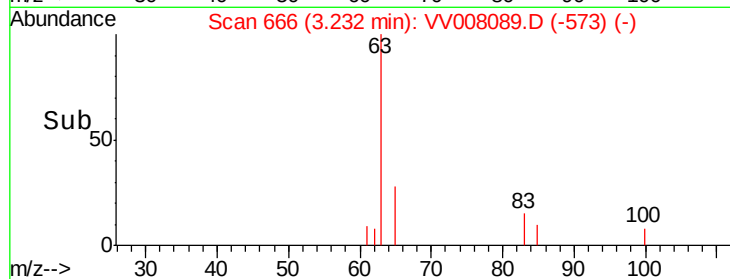
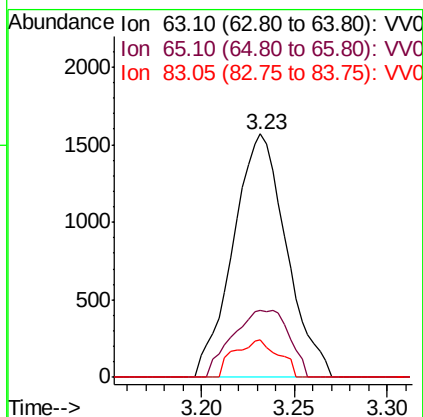
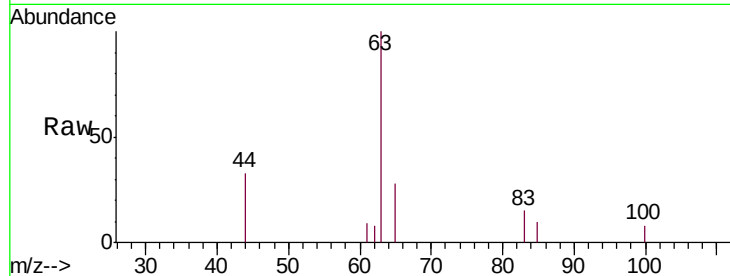




#19
 1,1-Dichloroethane
 Concen: 0.472 ug/L
 RT: 3.23 min Scan# 666
 Delta R.T. -0.00 min
 Lab File: VV008089.D
 Acq: 05 Oct 2018 10:51

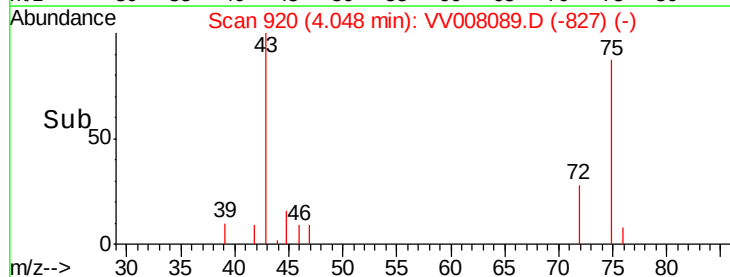
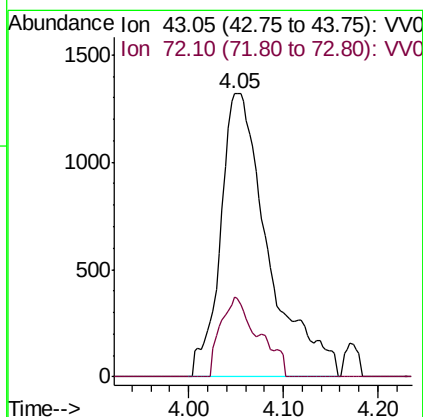
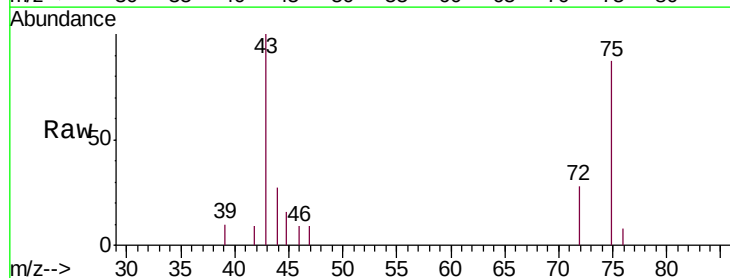
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD0.569

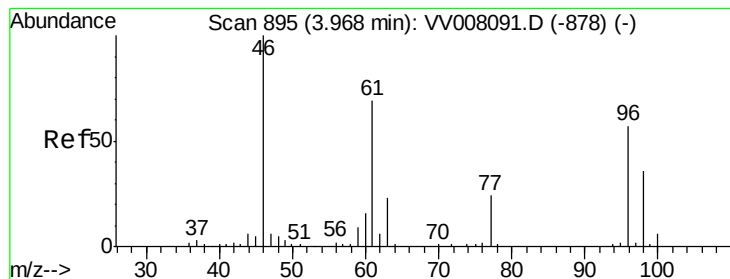
Tgt Ion: 63 Resp: 3135
 Ion Ratio Lower Upper
 63 100
 65 27.6 22.4 41.6
 83 15.3 9.6 17.8



#21
 2-Butanone
 Concen: 4.637 ug/L
 RT: 4.05 min Scan# 920
 Delta R.T. -0.00 min
 Lab File: VV008089.D
 Acq: 05 Oct 2018 10:51

Tgt Ion: 43 Resp: 4648
 Ion Ratio Lower Upper
 43 100
 72 22.2 12.9 38.6



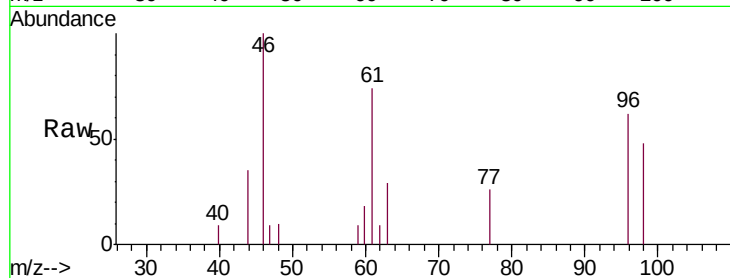


#22

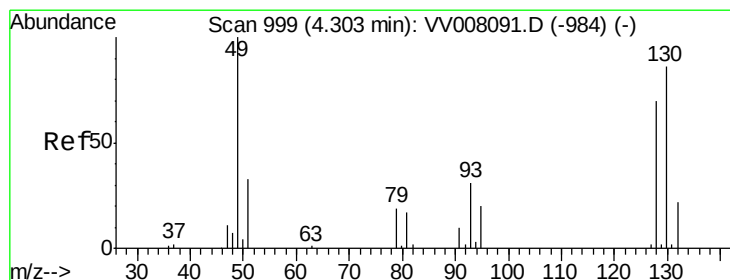
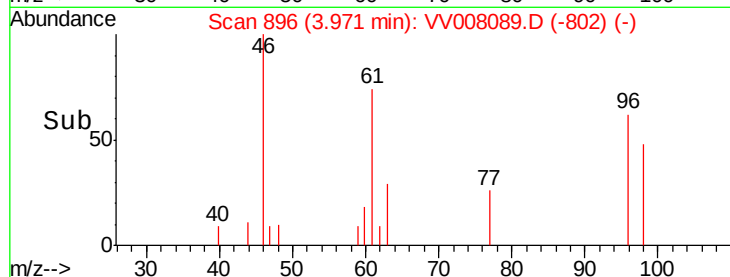
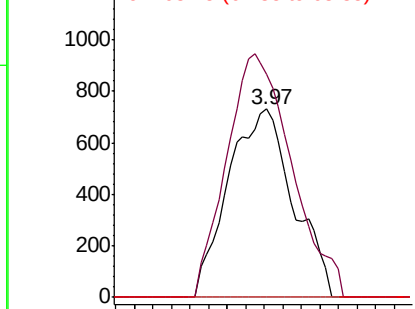
cis-1,2-Dichloroethene
Concen: 0.450 ug/L
RT: 3.97 min Scan# 896
Delta R.T. 0.00 min
Lab File: VV008089.D
Acq: 05 Oct 2018 10:51

Instrument :
MSVOA_V
ClientSampleId :
VSTD0.569

Tgt Ion: 96 Resp: 1783
Ion Ratio Lower Upper
96 100
61 118.2 85.1 158.1
68 0.0 0.0 0.0



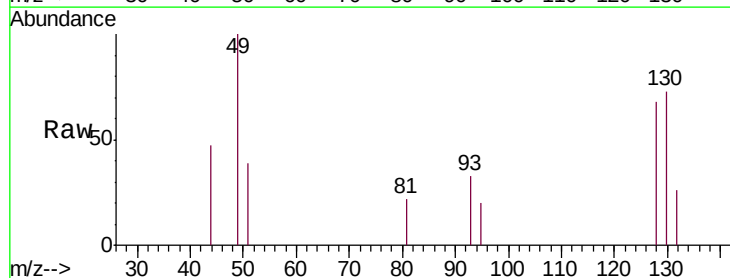
Abundance Ion 96.00 (95.70 to 96.70): VV0
Ion 61.05 (60.75 to 61.75): VV0
Ion 68.15 (67.85 to 68.85): VV0



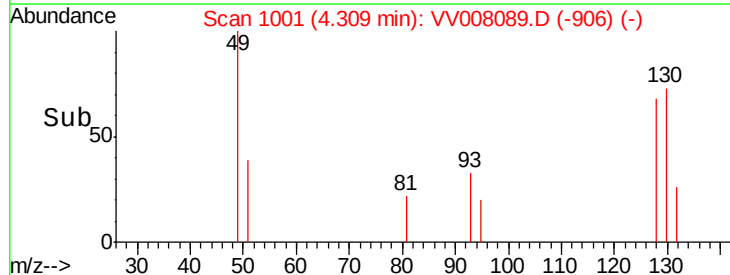
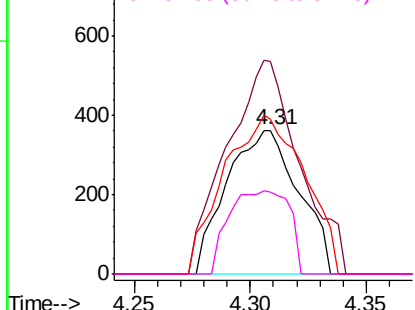
#23

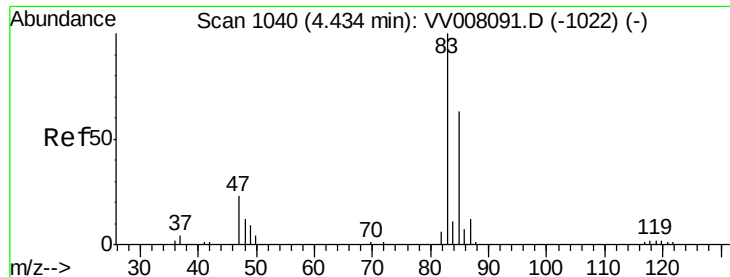
Bromochloromethane
Concen: 0.446 ug/L
RT: 4.31 min Scan# 1001
Delta R.T. 0.01 min
Lab File: VV008089.D
Acq: 05 Oct 2018 10:51

Tgt Ion: 128 Resp: 781
Ion Ratio Lower Upper
128 100
49 147.8 99.8 185.3
130 108.0 85.5 158.7
51 56.9 38.0 57.0



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

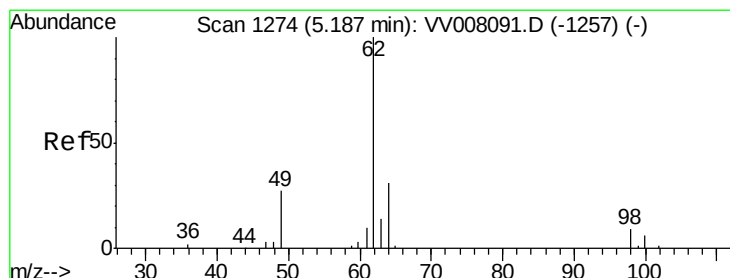
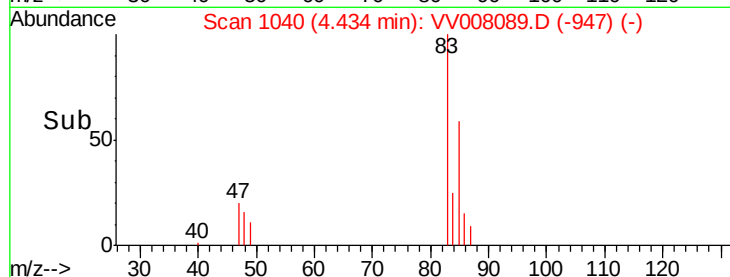
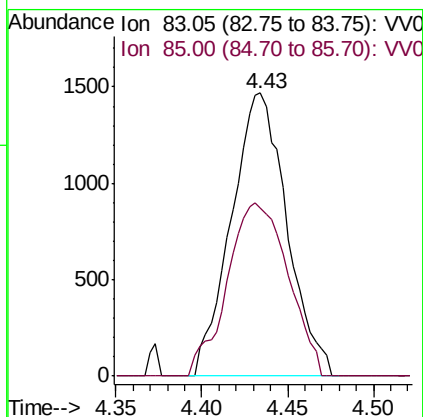
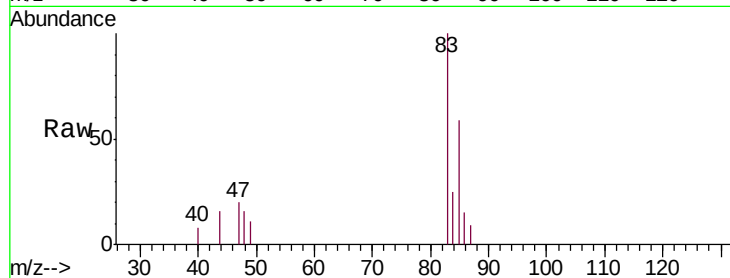




#25
 Chloroform
 Concen: 0.456 ug/L
 RT: 4.43 min Scan# 1040
 Delta R.T. -0.00 min
 Lab File: VV008089.D
 Acq: 05 Oct 2018 10:51

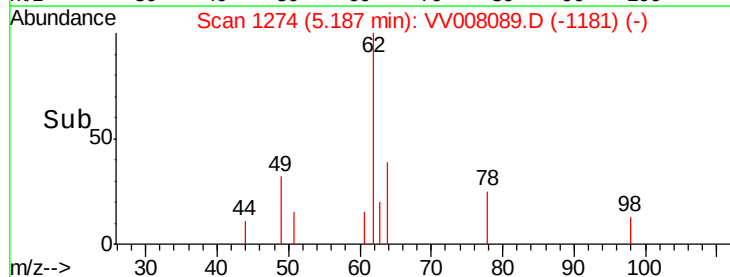
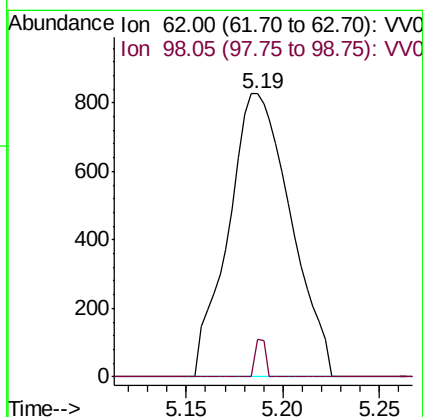
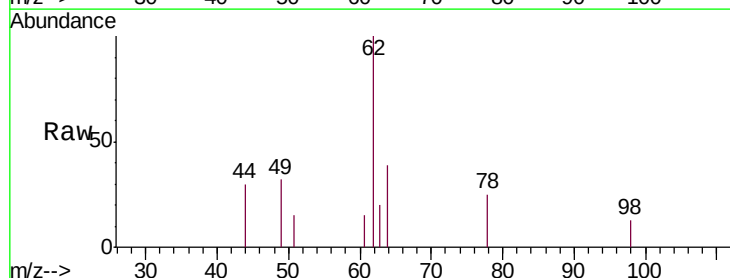
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD0.569

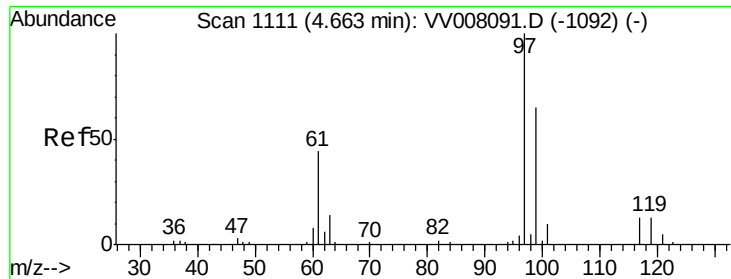
Tgt Ion: 83 Resp: 3297
 Ion Ratio Lower Upper
 83 100
 85 59.3 44.6 82.8



#27
 1,2-Dichloroethane
 Concen: 0.406 ug/L
 RT: 5.19 min Scan# 1274
 Delta R.T. -0.00 min
 Lab File: VV008089.D
 Acq: 05 Oct 2018 10:51

Tgt Ion: 62 Resp: 1855
 Ion Ratio Lower Upper
 62 100
 98 13.1 7.3 10.9#

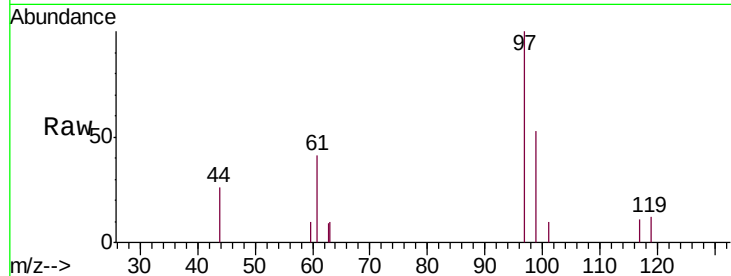




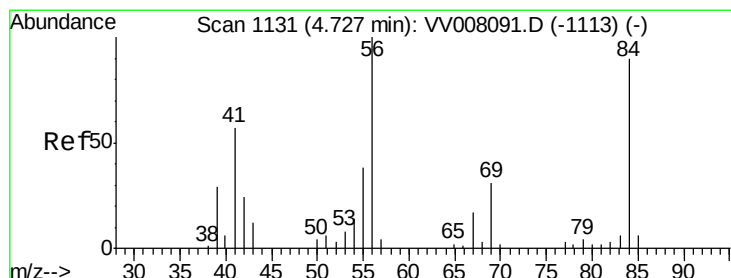
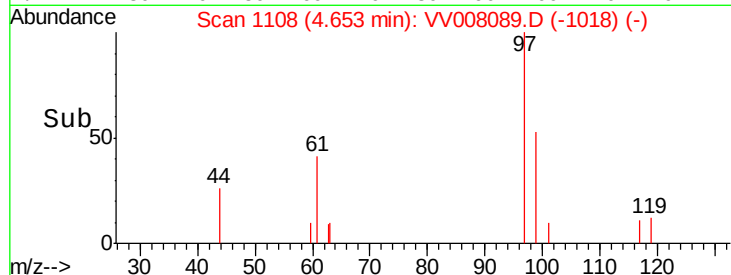
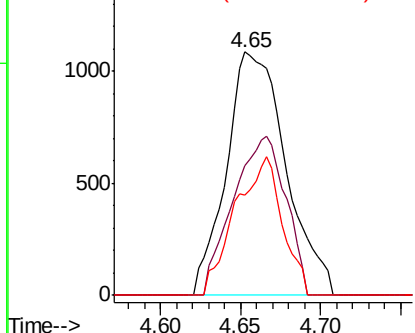
#29
 1,1,1-Trichloroethane
 Concen: 0.465 ug/L
 RT: 4.65 min Scan# 1108
 Delta R.T. -0.01 min
 Lab File: VV008089.D
 Acq: 05 Oct 2018 10:51

Instrument :
 MSVOA_V
 ClientSampled :
 VSTD0.569

Tgt Ion: 97 Resp: 2778
 Ion Ratio Lower Upper
 97 100
 99 57.6 51.0 76.4
 61 44.7 34.0 51.0

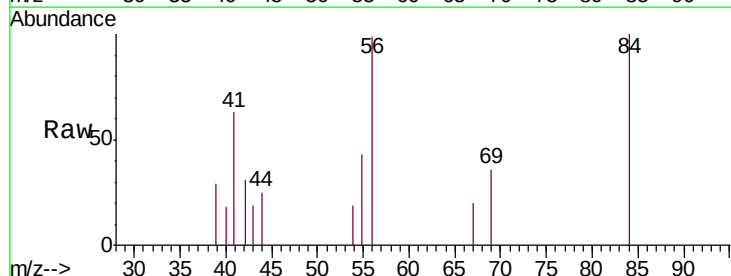


Abundance Ion 96.95 (96.65 to 97.65): VV0
 Ion 99.05 (98.75 to 99.75): VV0
 Ion 61.05 (60.75 to 61.75): VV0

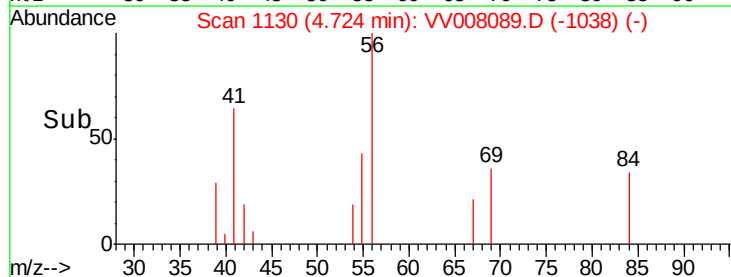
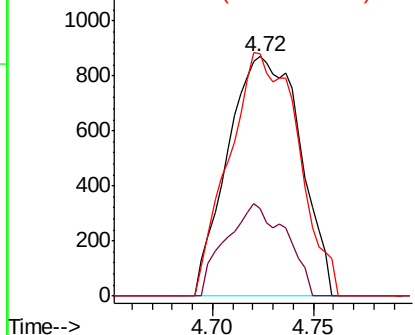


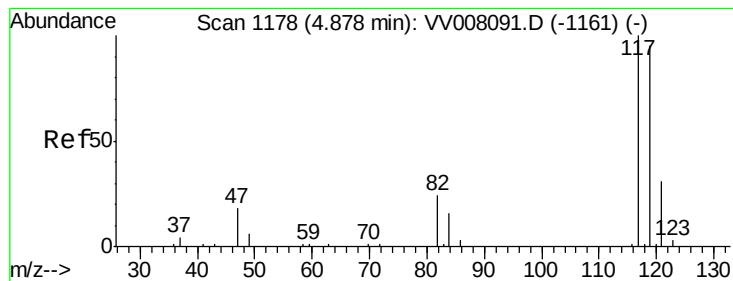
#30
 Cyclohexane
 Concen: 0.395 ug/L
 RT: 4.72 min Scan# 1130
 Delta R.T. -0.00 min
 Lab File: VV008089.D
 Acq: 05 Oct 2018 10:51

Tgt Ion: 56 Resp: 2169
 Ion Ratio Lower Upper
 56 100
 69 32.0 24.6 36.8
 84 97.3 70.7 106.1



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





#31

Carbon tetrachloride

Concen: 0.475 ug/L

RT: 4.87 min Scan# 1177

Delta R.T. -0.00 min

Lab File: VV008089.D

Acq: 05 Oct 2018 10:51

Instrument :

MSVOA_V

ClientSampleId :

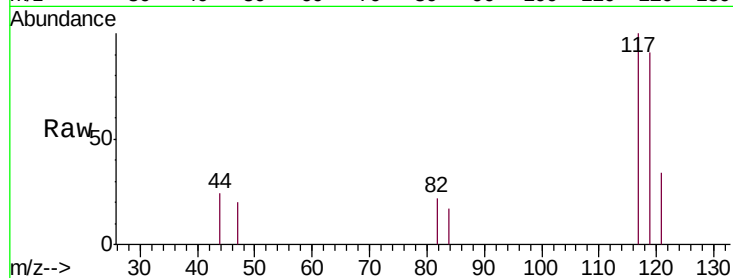
VSTD0.569

Tgt Ion:117 Resp: 2506

Ion Ratio Lower Upper

117 100

119 97.5 76.3 114.5



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V

4.87

1200

1000

800

600

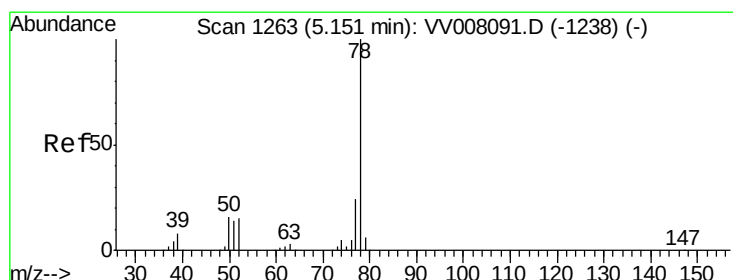
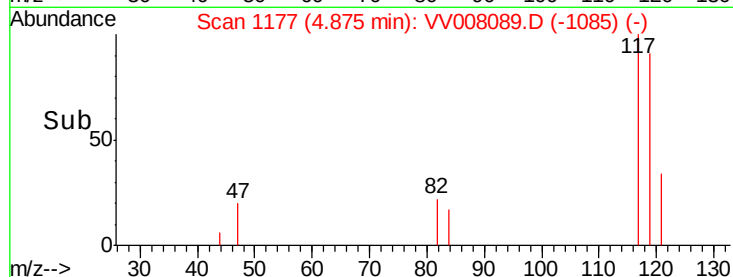
400

200

0

4.85 4.90

Time-->



#33

Benzene

Concen: 0.413 ug/L

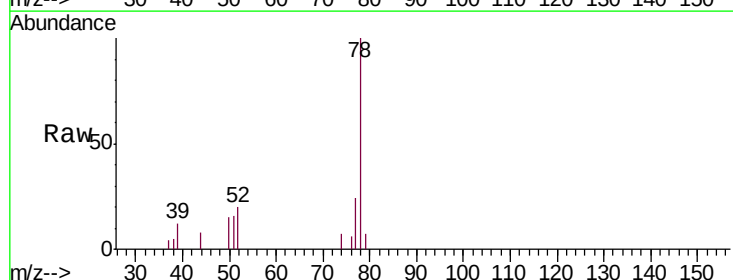
RT: 5.15 min Scan# 1263

Delta R.T. -0.00 min

Lab File: VV008089.D

Acq: 05 Oct 2018 10:51

Tgt Ion: 78 Resp: 5844



Abundance Ion 78.10 (77.80 to 78.80): VV0

5.15

3000

2500

2000

1500

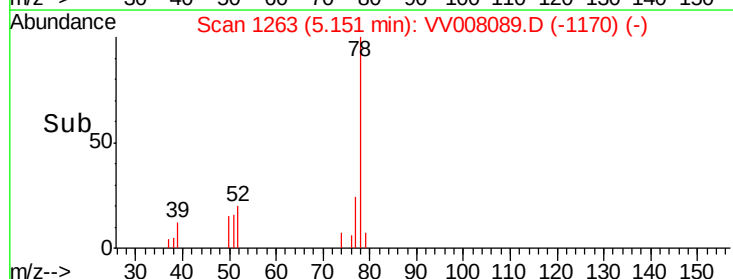
1000

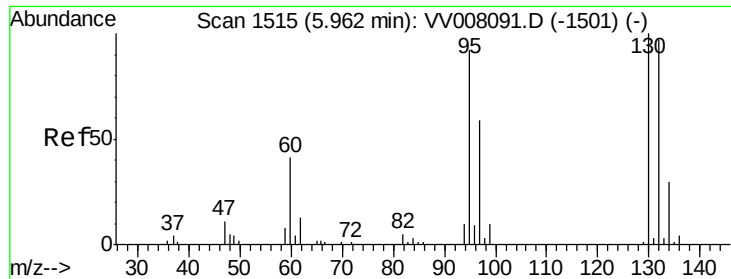
500

0

5.10 5.15 5.20

Time-->

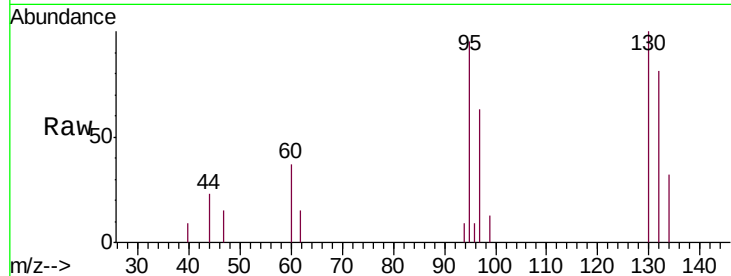




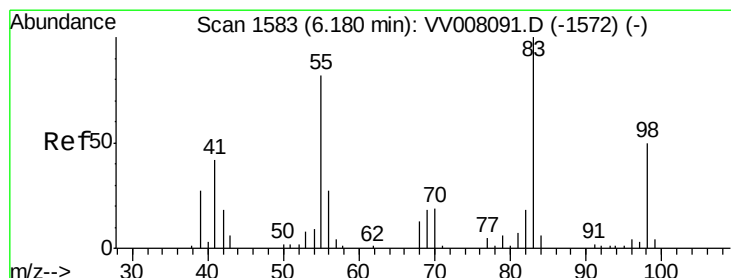
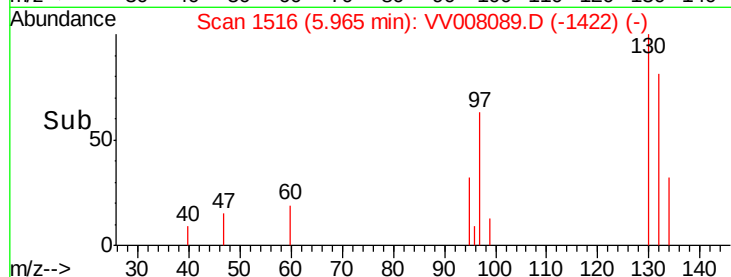
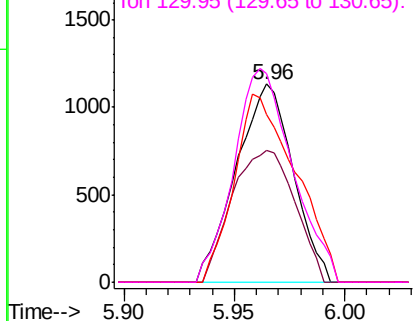
#34
 Trichloroethene
 Concen: 0.505 ug/L
 RT: 5.96 min Scan# 1516
 Delta R.T. 0.00 min
 Lab File: VV008089.D
 Acq: 05 Oct 2018 10:51

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD0.569

Tgt Ion: 95 Resp: 2038
 Ion Ratio Lower Upper
 95 100
 97 66.5 44.9 83.5
 132 84.7 73.6 136.6
 130 104.9 76.2 141.6

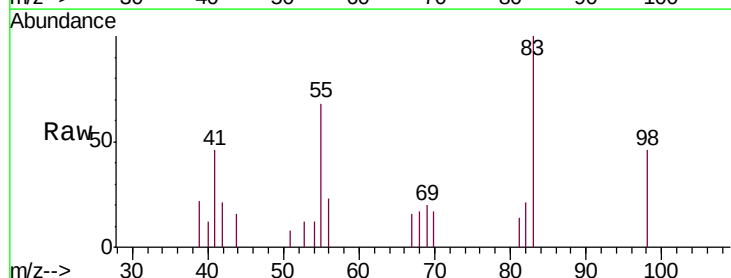


Abundance Ion 95.00 (94.70 to 95.70): VV0
 Ion 96.95 (96.65 to 97.65): VV0
 Ion 131.95 (131.65 to 132.65): VV0
 Ion 129.95 (129.65 to 130.65): VV0

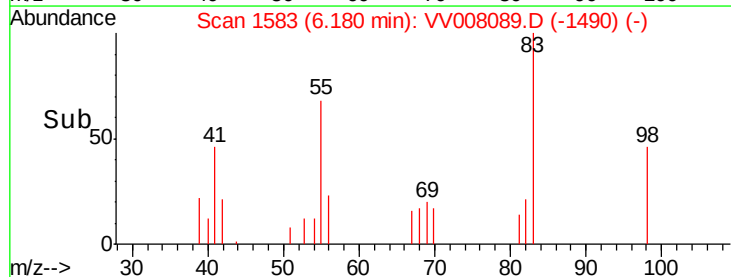
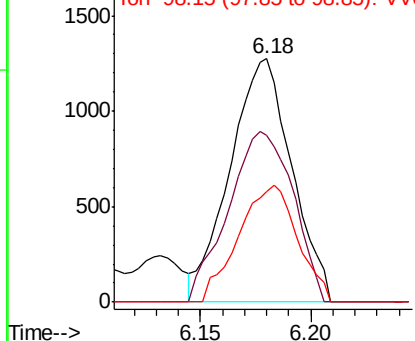


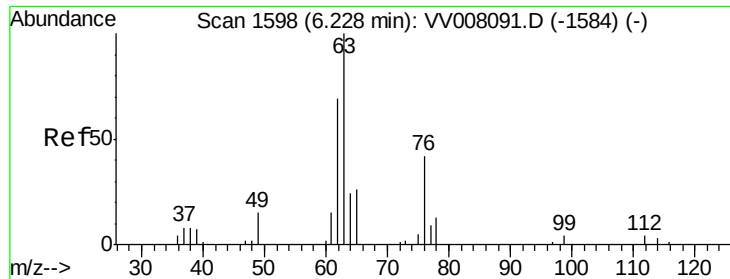
#35
 Methylcyclohexane
 Concen: 0.414 ug/L
 RT: 6.18 min Scan# 1583
 Delta R.T. -0.00 min
 Lab File: VV008089.D
 Acq: 05 Oct 2018 10:51

Tgt Ion: 83 Resp: 2477
 Ion Ratio Lower Upper
 83 100
 55 73.4 63.6 95.4
 98 45.7 38.3 57.5



Abundance Ion 83.15 (82.85 to 83.85): VV0
 Ion 55.10 (54.80 to 55.80): VV0
 Ion 98.15 (97.85 to 98.85): VV0

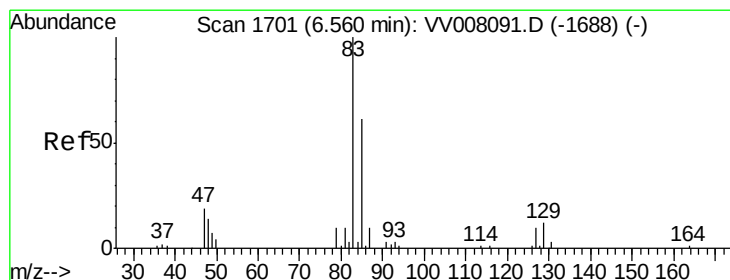
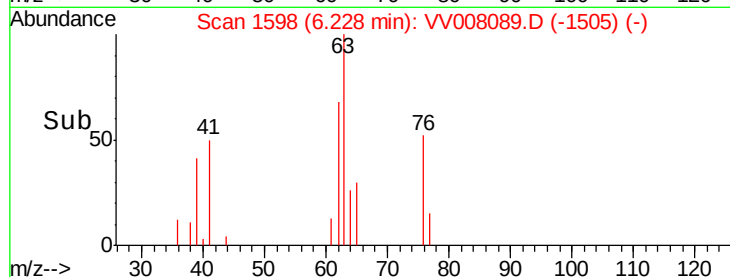
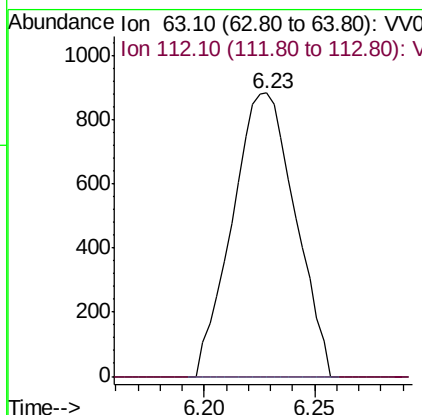
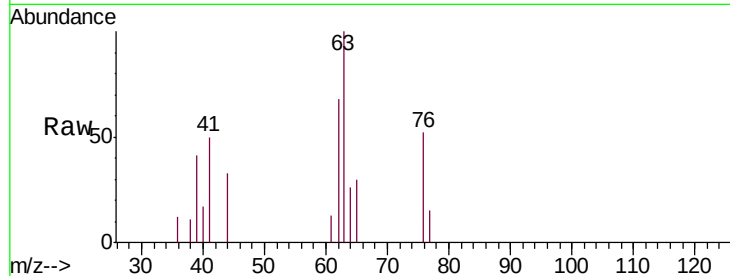




#37
 1,2-Dichloropropane
 Concen: 0.476 ug/L
 RT: 6.23 min Scan# 1598
 Delta R.T. -0.00 min
 Lab File: VV008089.D
 Acq: 05 Oct 2018 10:51

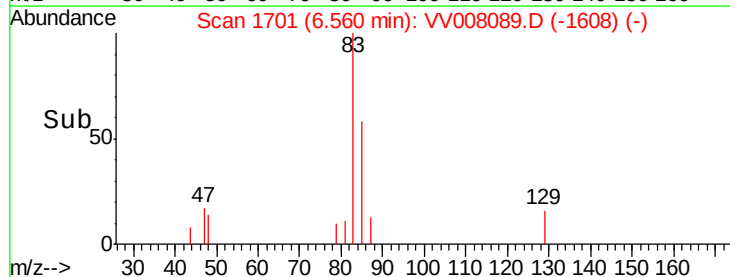
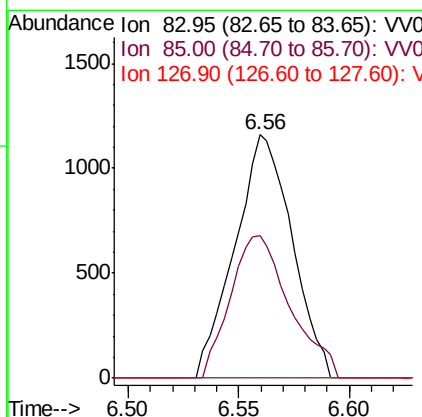
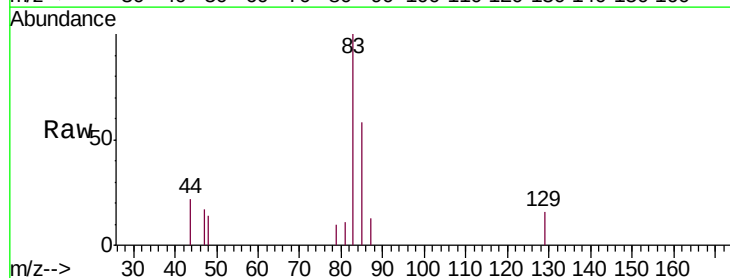
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD0.569

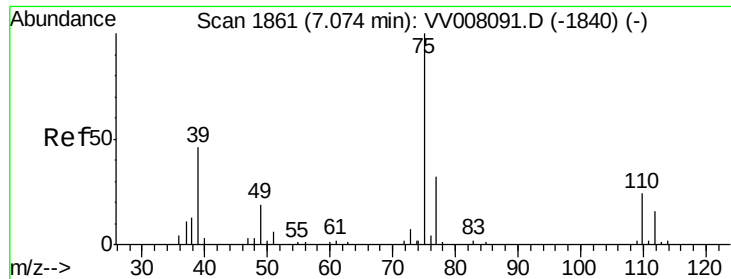
Tgt Ion: 63 Resp: 1737
 Ion Ratio Lower Upper
 63 100
 112 0.0 3.4 5.2#



#38
 Bromodichloromethane
 Concen: 0.478 ug/L
 RT: 6.56 min Scan# 1701
 Delta R.T. -0.00 min
 Lab File: VV008089.D
 Acq: 05 Oct 2018 10:51

Tgt Ion: 83 Resp: 2089
 Ion Ratio Lower Upper
 83 100
 85 58.3 42.5 78.9
 127 0.0 7.7 11.5#

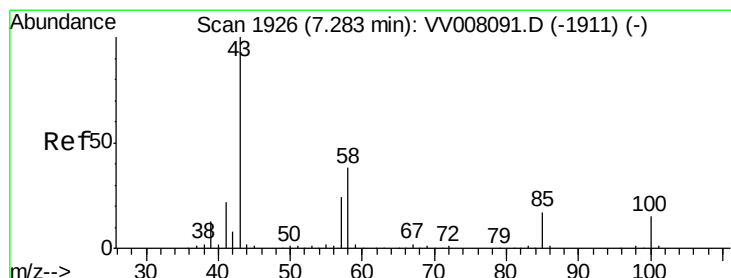
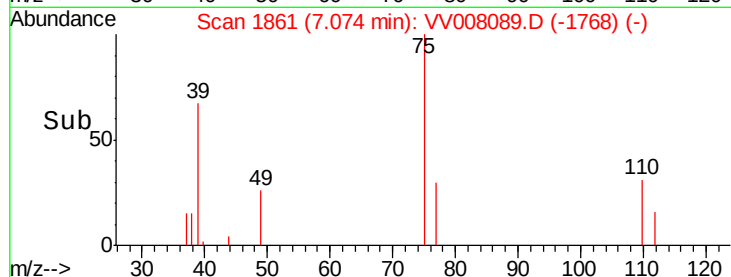
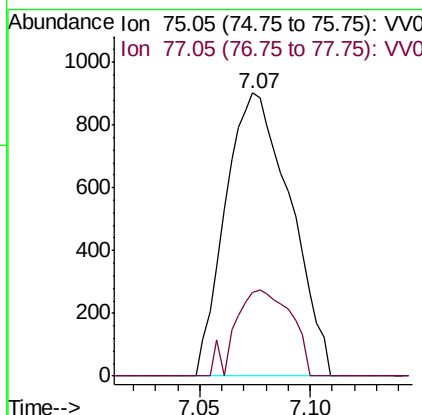
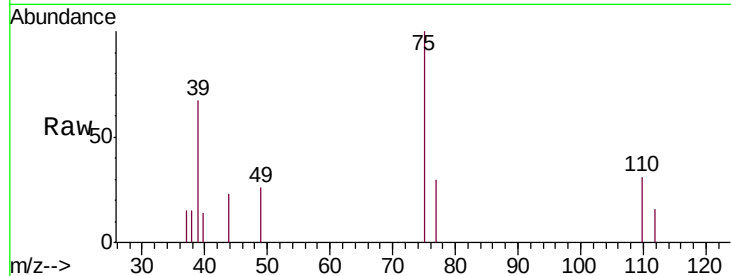




#39
 cis-1,3-Dichloropropene
 Concen: 0.378 ug/L
 RT: 7.07 min Scan# 1861
 Delta R.T. -0.00 min
 Lab File: VV008089.D
 Acq: 05 Oct 2018 10:51

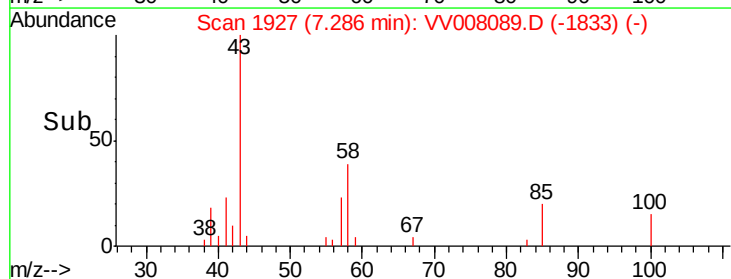
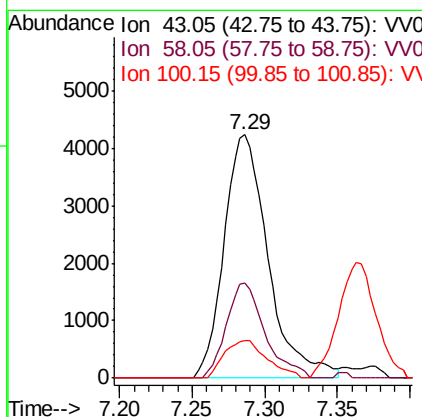
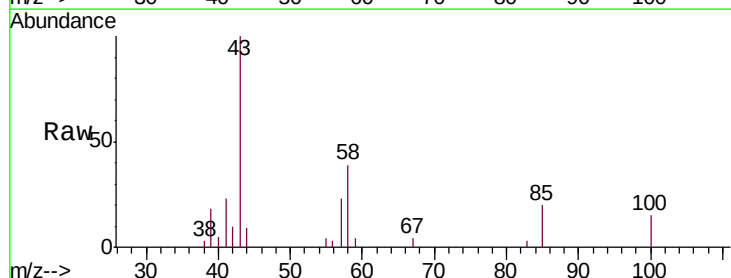
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD0.569

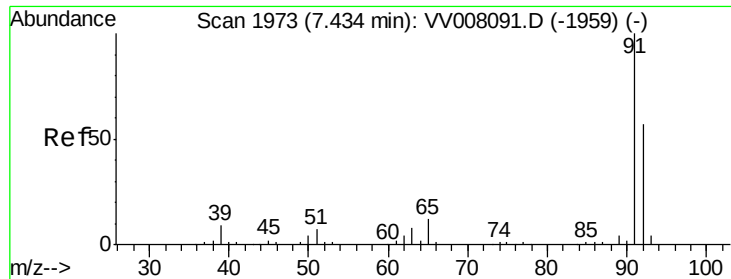
Tgt Ion: 75 Resp: 1837
 Ion Ratio Lower Upper
 75 100
 77 29.6 22.1 41.1



#40
 4-Methyl-2-pentanone
 Concen: 3.949 ug/L
 RT: 7.29 min Scan# 1927
 Delta R.T. 0.00 min
 Lab File: VV008089.D
 Acq: 05 Oct 2018 10:51

Tgt Ion: 43 Resp: 8957
 Ion Ratio Lower Upper
 43 100
 58 34.1 29.8 44.8
 100 15.0 11.6 17.4





#42

Toluene

Concen: 0.374 ug/L

RT: 7.43 min Scan# 1973

Delta R.T. -0.00 min

Lab File: VV008089.D

Acq: 05 Oct 2018 10:51

Instrument :

MSVOA_V

ClientSampleId :

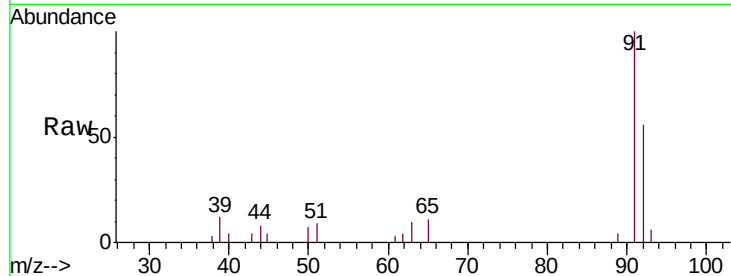
VSTD0.569

Tgt Ion: 91 Resp: 5757

Ion Ratio Lower Upper

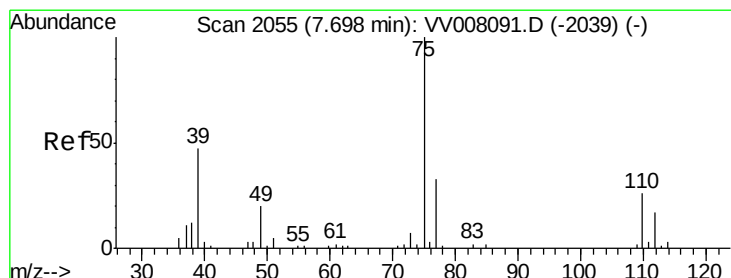
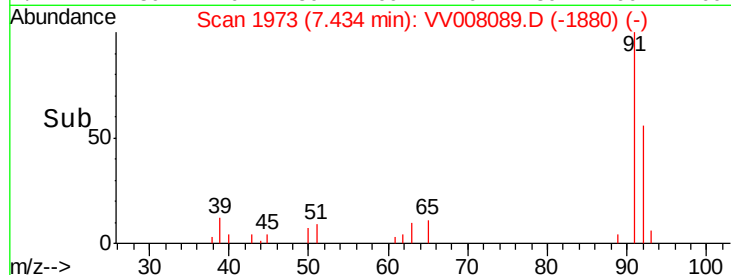
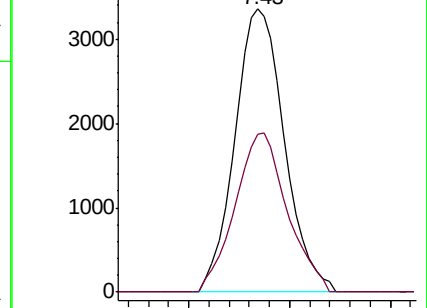
91 100

92 55.7 39.9 74.1



Abundance Ion 91.15 (90.85 to 91.85): VV008089.D (-1959) (-)

Ion 92.15 (91.85 to 92.85): VV008089.D (-1959) (-)



#44

trans-1,3-Dichloropropene

Concen: 0.347 ug/L

RT: 7.70 min Scan# 2056

Delta R.T. 0.00 min

Lab File: VV008089.D

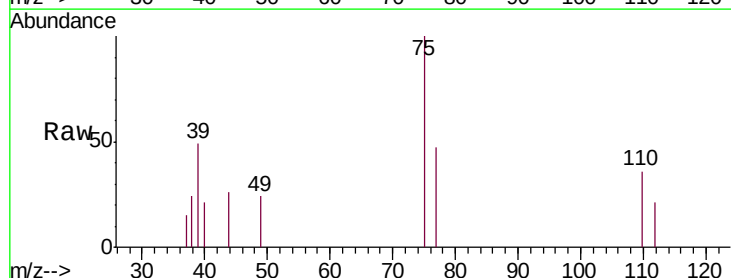
Acq: 05 Oct 2018 10:51

Tgt Ion: 75 Resp: 1397

Ion Ratio Lower Upper

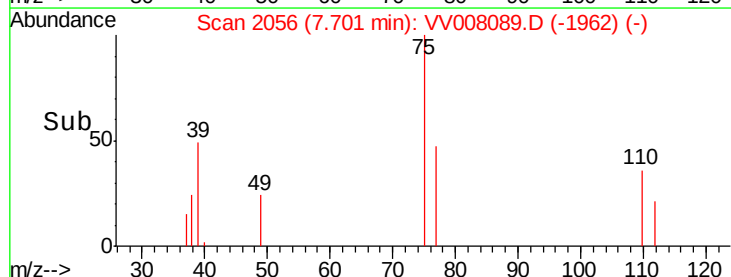
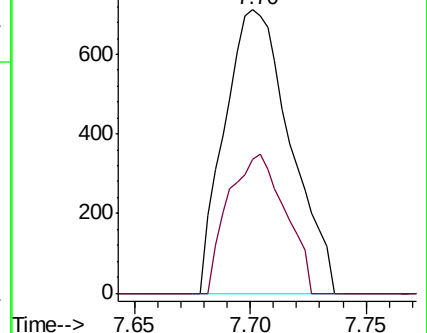
75 100

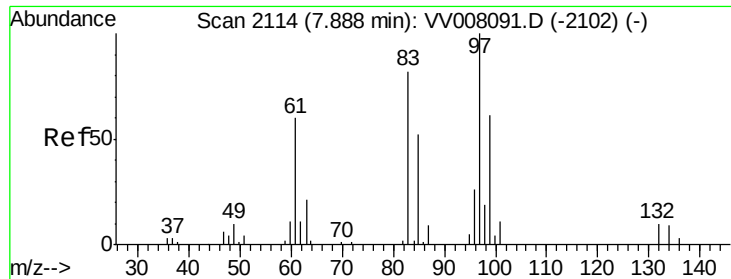
77 47.3 23.4 43.6#



Abundance Ion 75.05 (74.75 to 75.75): VV008089.D (-2039) (-)

Ion 77.05 (76.75 to 77.75): VV008089.D (-2039) (-)

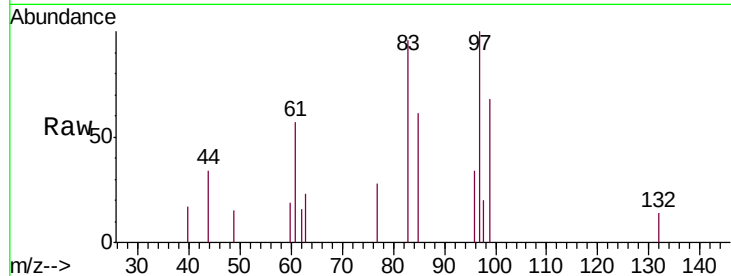




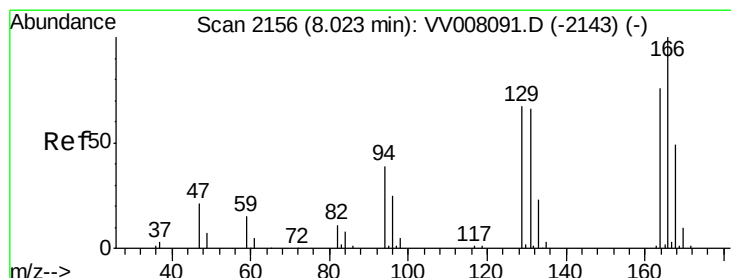
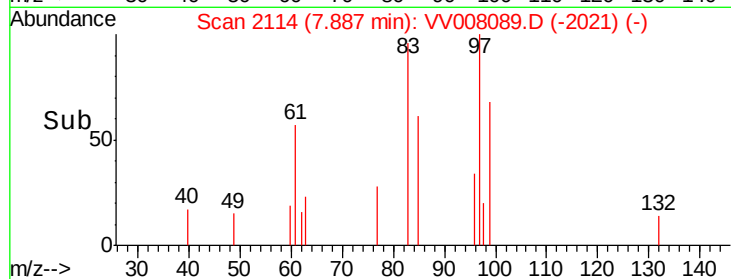
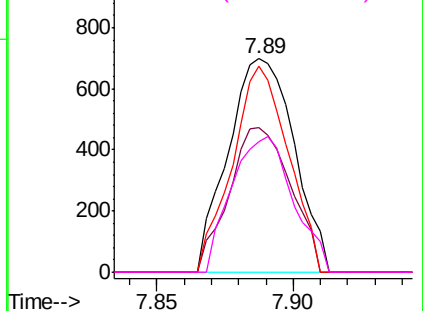
#45
 1,1,2-Trichloroethane
 Concen: 0.444 ug/L
 RT: 7.89 min Scan# 2114
 Delta R.T. -0.00 min
 Lab File: VV008089.D
 Acq: 05 Oct 2018 10:51

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD0.569

Tgt Ion: 97 Resp: 1174
 Ion Ratio Lower Upper
 97 100
 99 67.7 42.6 79.0
 83 96.4 57.5 106.7
 85 61.2 36.5 67.7

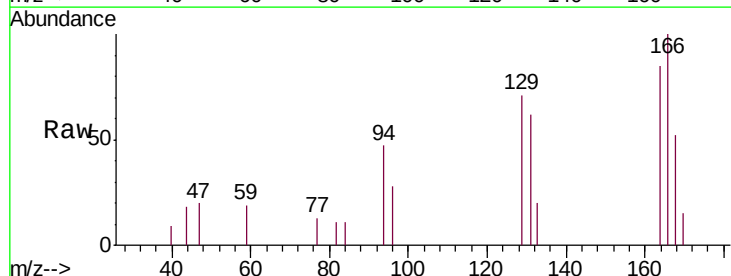


Abundance Ion 96.95 (96.65 to 97.65): VV0
 Ion 99.05 (98.75 to 99.75): VV0
 Ion 82.95 (82.65 to 83.65): VV0
 Ion 85.00 (84.70 to 85.70): VV0

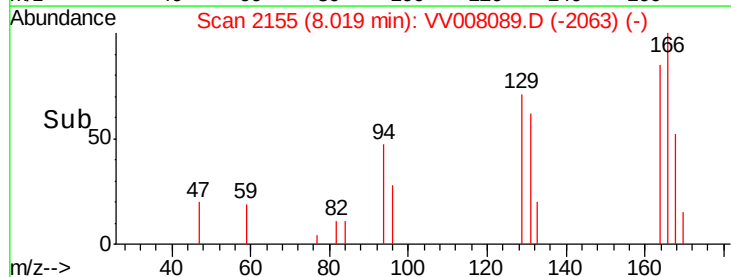
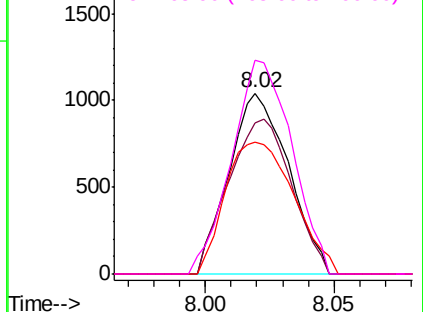


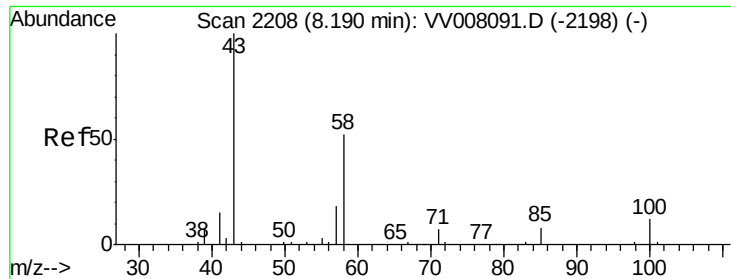
#47
 Tetrachloroethene
 Concen: 0.451 ug/L
 RT: 8.02 min Scan# 2155
 Delta R.T. -0.00 min
 Lab File: VV008089.D
 Acq: 05 Oct 2018 10:51

Tgt Ion: 164 Resp: 1683
 Ion Ratio Lower Upper
 164 100
 129 83.6 62.2 115.4
 131 73.2 60.5 112.5
 166 118.3 92.1 171.1



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

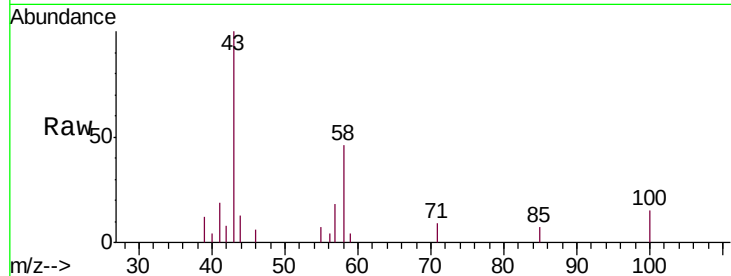




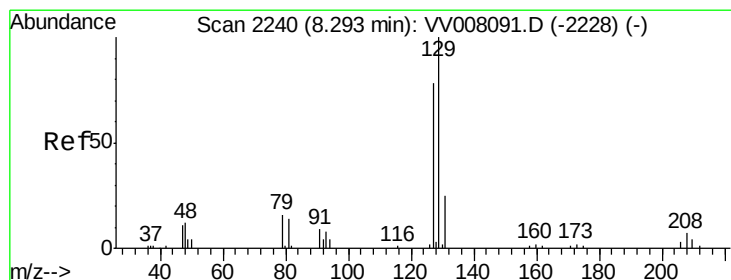
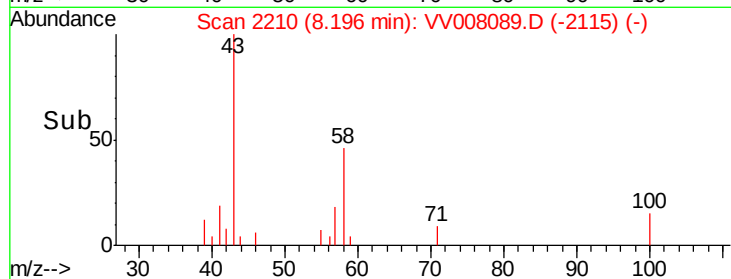
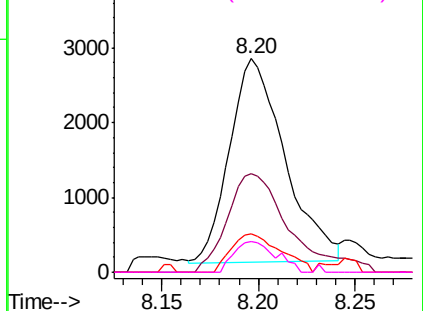
#48
2-Hexanone
Concen: 3.428 ug/L
RT: 8.20 min Scan# 2210
Delta R.T. 0.01 min
Lab File: VV008089.D
Acq: 05 Oct 2018 10:51

Instrument :
MSVOA_V
ClientSampleId :
VSTD0.569

Tgt Ion:	43	Resp:	5406
Ion	Ratio	Lower	Upper
43	100		
58	54.5	40.5	60.7
57	16.8	14.6	22.0
100	11.4	9.3	13.9

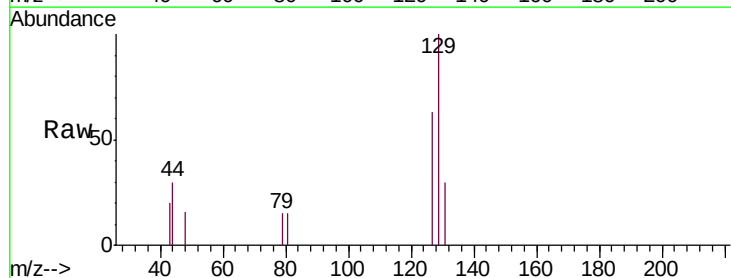


Abundance Ion 43.05 (42.75 to 43.75): VV008089.D (-2198) (-)
Ion 58.05 (57.75 to 58.75): VV008089.D (-2198) (-)
Ion 57.20 (56.90 to 57.90): VV008089.D (-2198) (-)
Ion 100.15 (99.85 to 100.85): VV008089.D (-2198) (-)

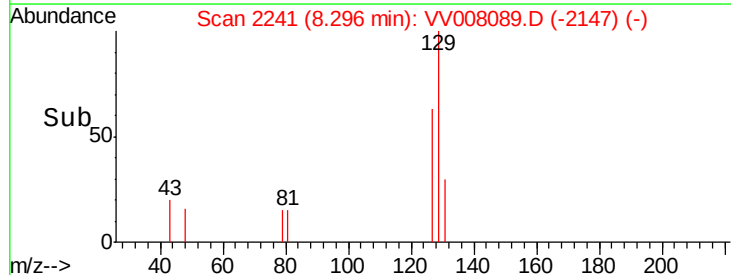
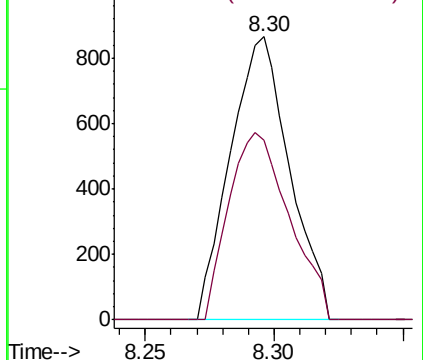


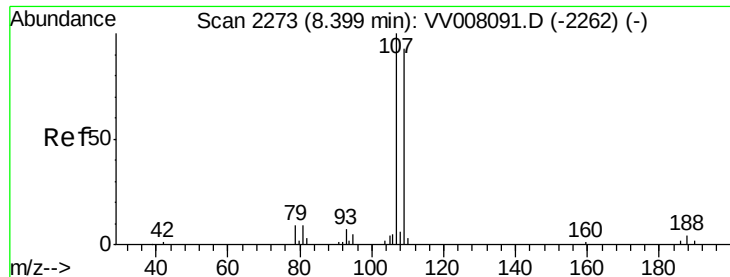
#49
Dibromochloromethane
Concen: 0.457 ug/L
RT: 8.30 min Scan# 2241
Delta R.T. 0.00 min
Lab File: VV008089.D
Acq: 05 Oct 2018 10:51

Tgt Ion:	129	Resp:	1388
Ion	Ratio	Lower	Upper
129	100		
127	63.5	54.5	101.3



Abundance Ion 128.95 (128.65 to 129.65): VV008089.D (-2228) (-)
Ion 126.90 (126.60 to 127.60): VV008089.D (-2228) (-)

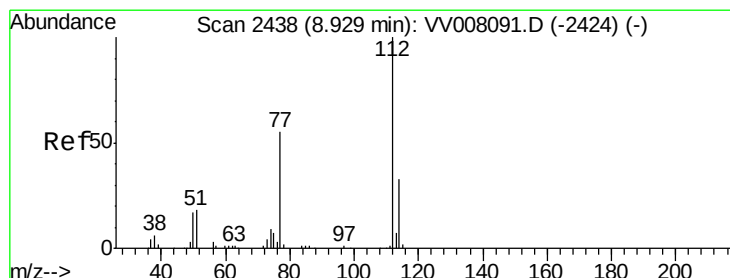
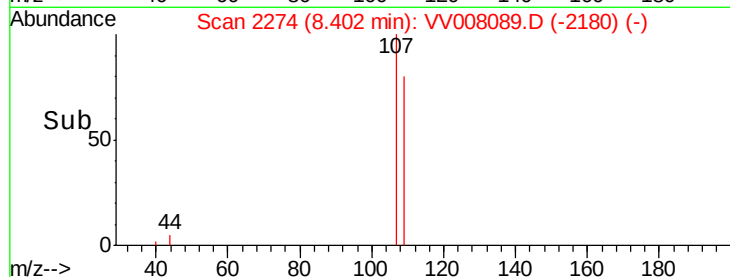
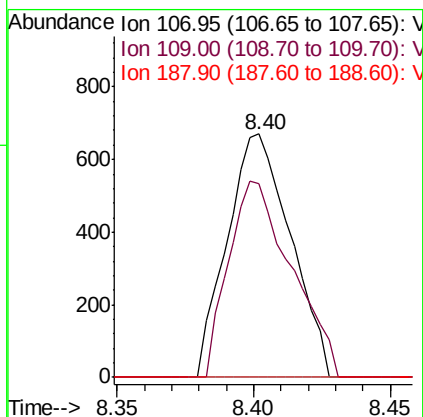
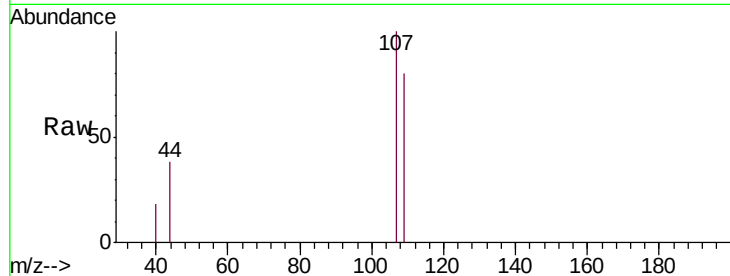




#50
1,2-Dibromoethane
Concen: 0.451 ug/L
RT: 8.40 min Scan# 2274
Delta R.T. 0.00 min
Lab File: VV008089.D
Acq: 05 Oct 2018 10:51

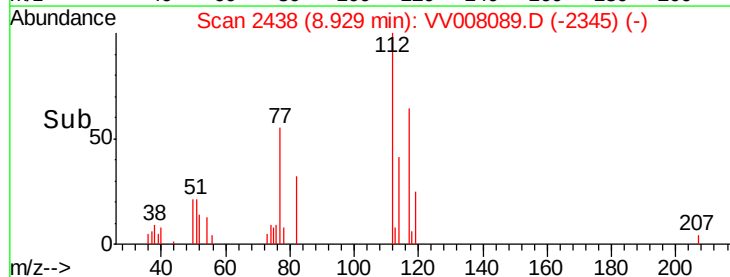
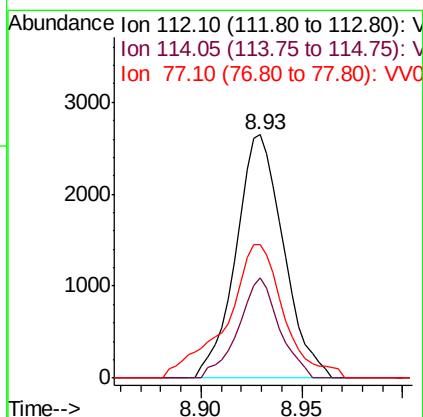
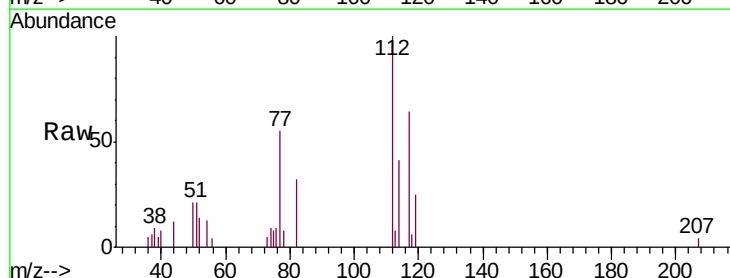
Instrument :
MSVOA_V
ClientSampleId :
VSTD0.569

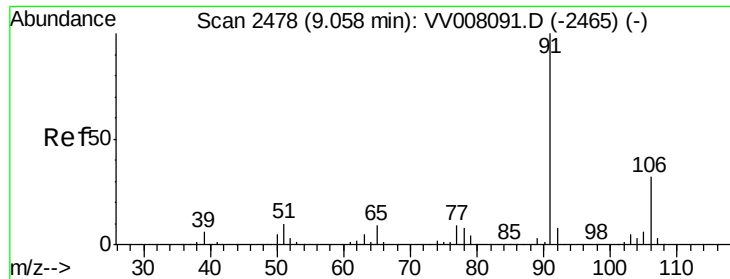
Tgt Ion:107 Resp: 1080
Ion Ratio Lower Upper
107 100
109 79.7 65.5 121.6
188 0.0 3.5 5.3#



#51
Chlorobenzene
Concen: 0.410 ug/L
RT: 8.93 min Scan# 2438
Delta R.T. -0.00 min
Lab File: VV008089.D
Acq: 05 Oct 2018 10:51

Tgt Ion:112 Resp: 4367
Ion Ratio Lower Upper
112 100
114 41.3 22.8 42.4
77 54.7 44.6 66.8





#52

Ethylbenzene

Concen: 0.368 ug/L

RT: 9.06 min Scan# 2479

Delta R.T. 0.00 min

Lab File: VV008089.D

Acq: 05 Oct 2018 10:51

Instrument :

MSVOA_V

ClientSampleId :

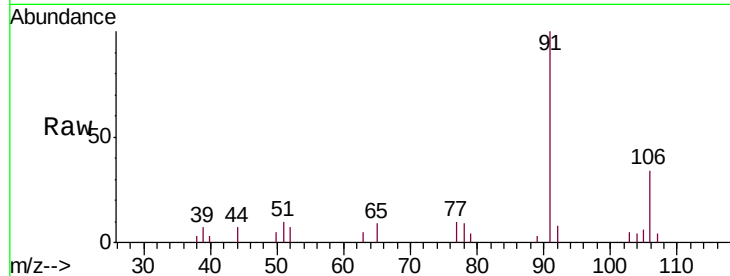
VSTD0.569

Tgt Ion: 91 Resp: 6280

Ion Ratio Lower Upper

91 100

106 34.2 22.3 41.5



Abundance Ion 91.15 (90.85 to 91.85): VV008091.D (-2465) (-)

Ion 106.15 (105.85 to 106.85): VV008091.D (-2465) (-)

9.06

4000

3000

2000

1000

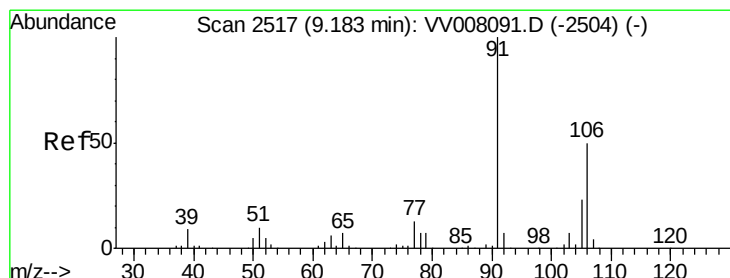
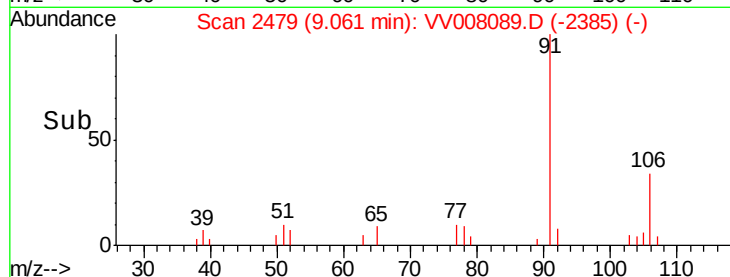
0

9.00

9.05

9.10

Time-->



#53

m,p-xylene

Concen: 0.351 ug/L

RT: 9.18 min Scan# 2517

Delta R.T. -0.00 min

Lab File: VV008089.D

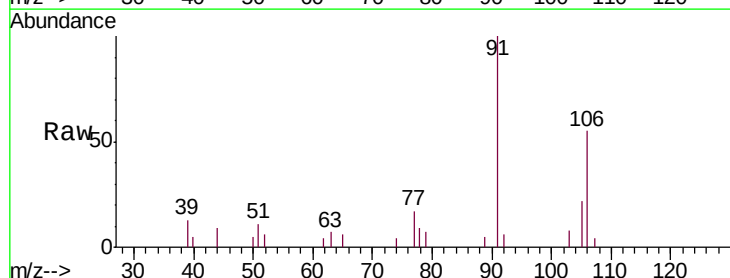
Acq: 05 Oct 2018 10:51

Tgt Ion: 106 Resp: 2293

Ion Ratio Lower Upper

106 100

91 182.3 140.8 261.4



Abundance Ion 106.15 (105.85 to 106.85): VV008091.D (-2504) (-)

Ion 91.15 (90.85 to 91.85): VV008091.D (-2504) (-)

9.18

3000

2500

2000

1500

1000

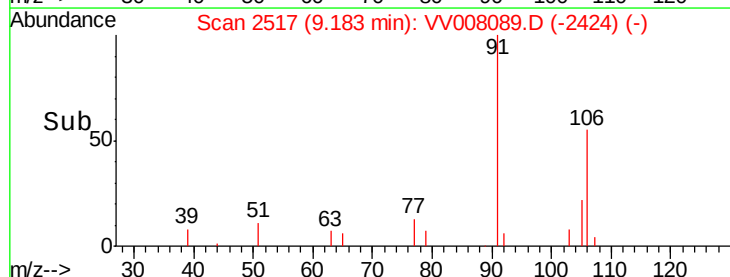
500

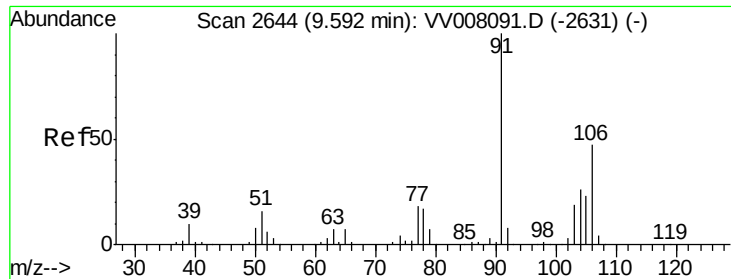
0

9.15

9.20

Time-->





#54

o-xylene

Concen: 0.334 ug/L

RT: 9.59 min Scan# 2643

Delta R.T. -0.00 min

Lab File: VV008089.D

Acq: 05 Oct 2018 10:51

Instrument :

MSVOA_V

ClientSampleId :

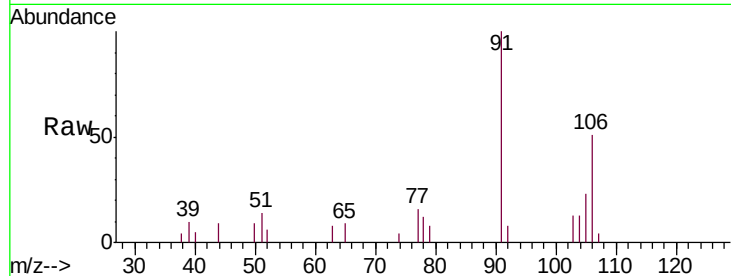
VSTD0.569

Tgt Ion:106 Resp: 2095

Ion Ratio Lower Upper

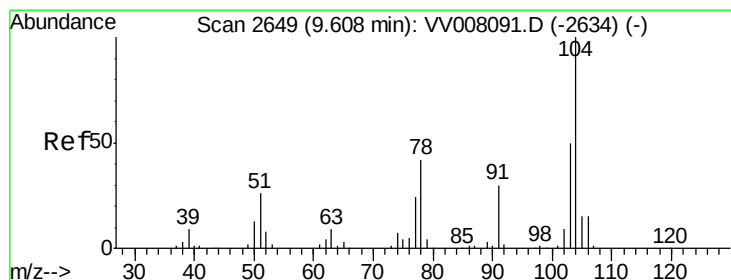
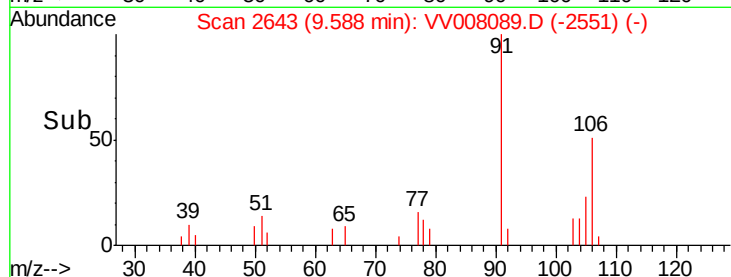
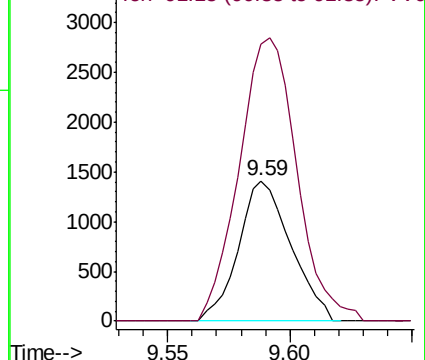
106 100

91 197.3 149.1 276.9



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VV0



#55

Styrene

Concen: 0.310 ug/L

RT: 9.61 min Scan# 2650

Delta R.T. 0.00 min

Lab File: VV008089.D

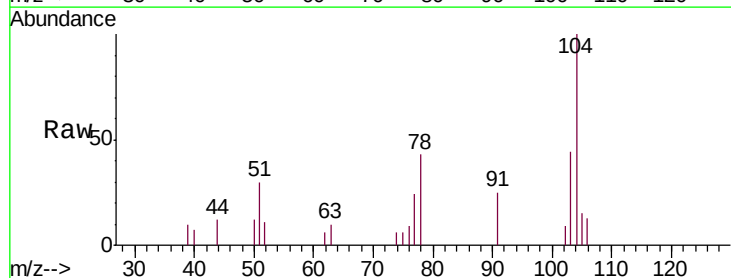
Acq: 05 Oct 2018 10:51

Tgt Ion:104 Resp: 3335

Ion Ratio Lower Upper

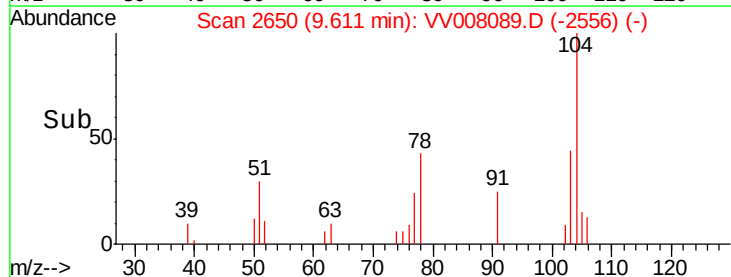
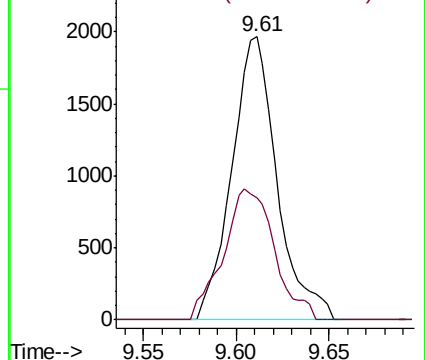
104 100

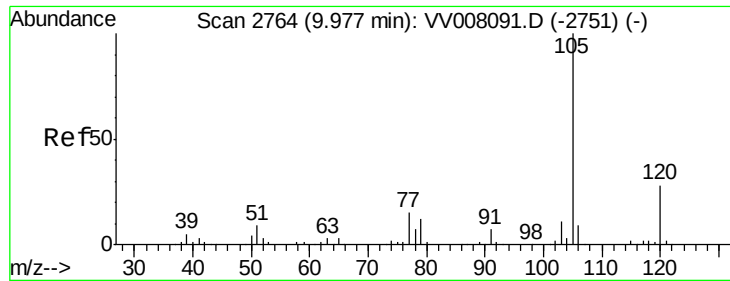
78 43.3 29.5 54.9



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VV0





#56

Isopropylbenzene

Concen: 0.354 ug/L

RT: 9.98 min Scan# 2764

Delta R.T. -0.00 min

Lab File: VV008089.D

Acq: 05 Oct 2018 10:51

Instrument :

MSVOA_V

ClientSampleId :

VSTD0.569

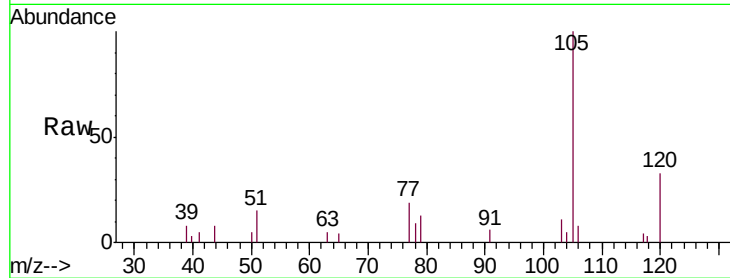
Tgt Ion: 105 Resp: 6014

Ion Ratio Lower Upper

105 100

120 29.3 21.9 32.9

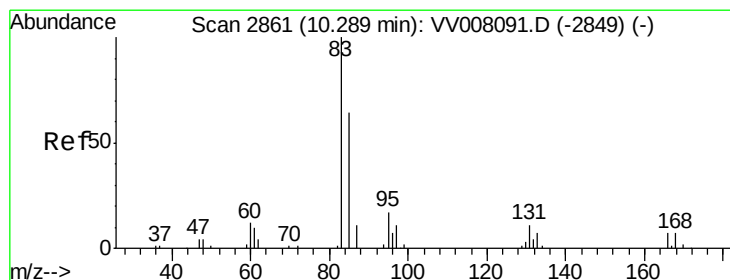
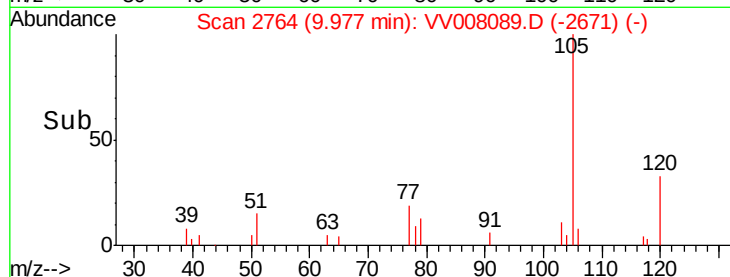
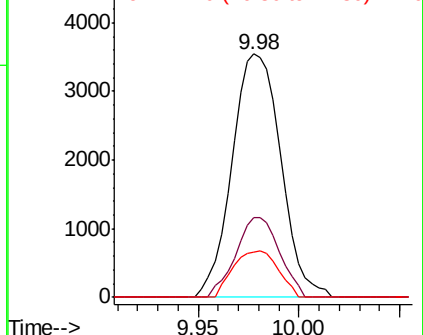
77 17.7 12.2 18.4



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: 0.429 ug/L

RT: 10.29 min Scan# 2862

Delta R.T. 0.00 min

Lab File: VV008089.D

Acq: 05 Oct 2018 10:51

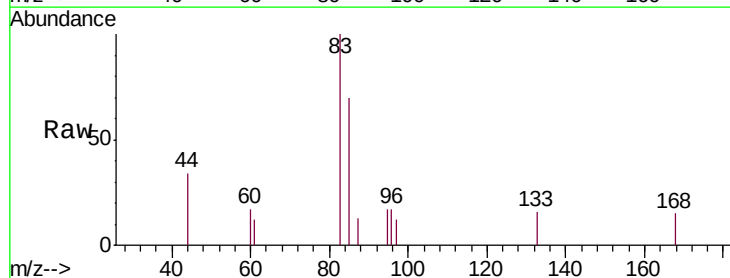
Tgt Ion: 83 Resp: 1324

Ion Ratio Lower Upper

83 100

85 69.6 45.1 83.7

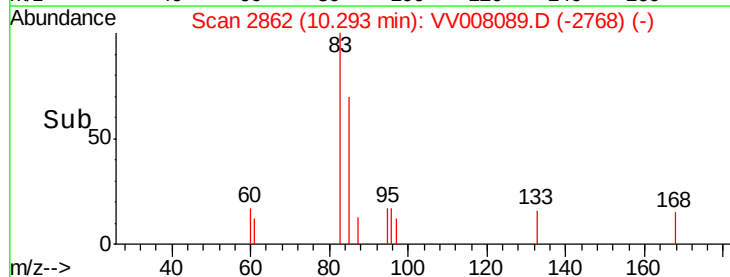
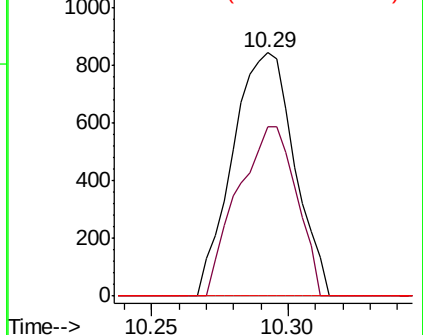
131 0.0 8.8 13.2#

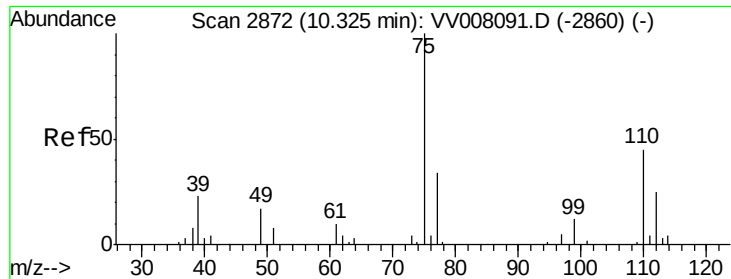


Abundance Ion 82.95 (82.65 to 83.65): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 130.95 (130.65 to 131.65): V

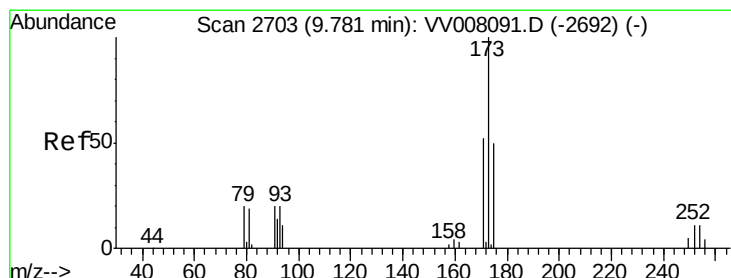
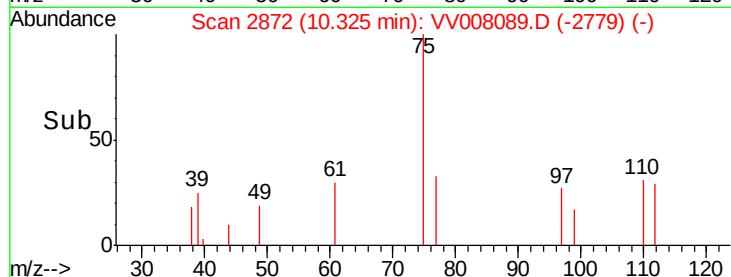
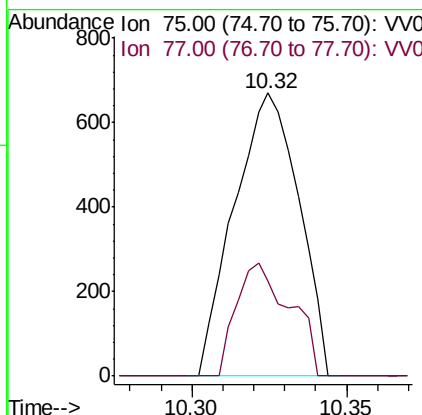
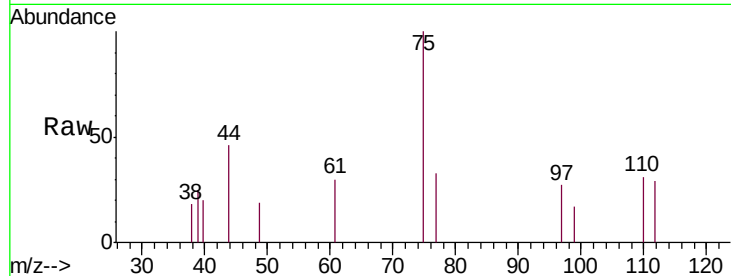




#59
 1,2,3-Trichloropropane
 Concen: 0.432 ug/L
 RT: 10.32 min Scan# 2872
 Delta R.T. -0.00 min
 Lab File: VV008089.D
 Acq: 05 Oct 2018 10:51

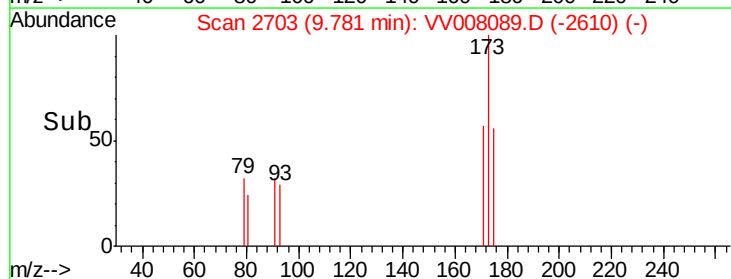
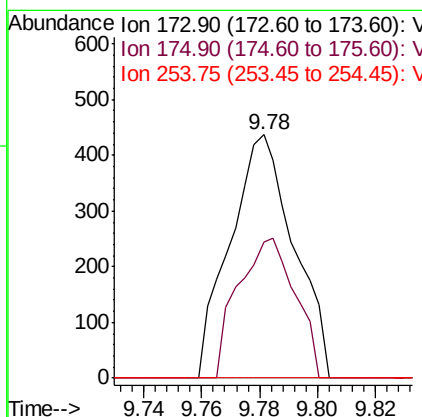
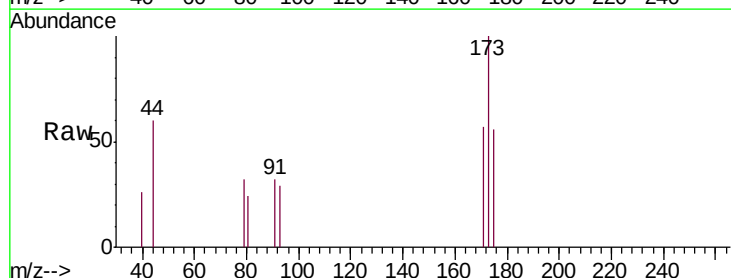
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD0.569

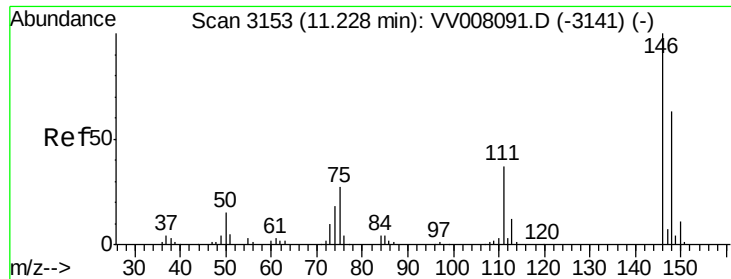
Tgt Ion: 75 Resp: 974
 Ion Ratio Lower Upper
 75 100
 77 33.1 27.8 41.6



#61
 Bromoform
 Concen: 0.456 ug/L
 RT: 9.78 min Scan# 2703
 Delta R.T. -0.00 min
 Lab File: VV008089.D
 Acq: 05 Oct 2018 10:51

Tgt Ion: 173 Resp: 667
 Ion Ratio Lower Upper
 173 100
 175 51.3 39.8 59.8
 254 0.0 9.4 14.0#





#62

1,3-Dichlorobenzene

Concen: 0.454 ug/L

RT: 11.23 min Scan# 3154

Delta R.T. 0.00 min

Lab File: VV008089.D

Acq: 05 Oct 2018 10:51

Instrument :

MSVOA_V

ClientSampleId :

VSTD0.569

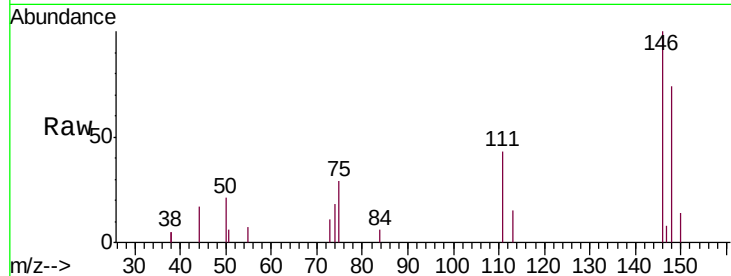
Tgt Ion:146 Resp: 3514

Ion Ratio Lower Upper

146 100

111 43.5 25.8 48.0

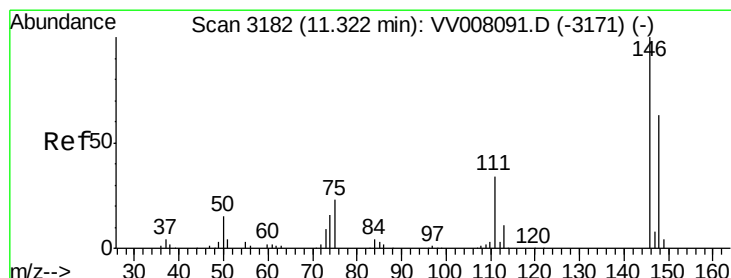
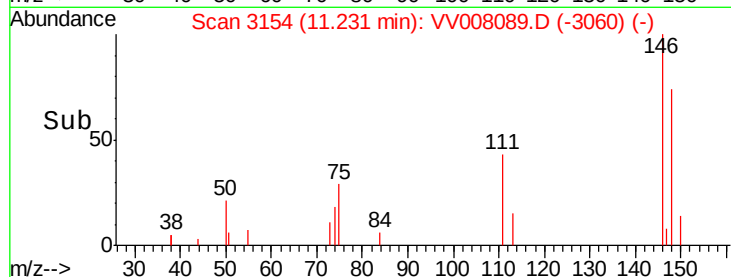
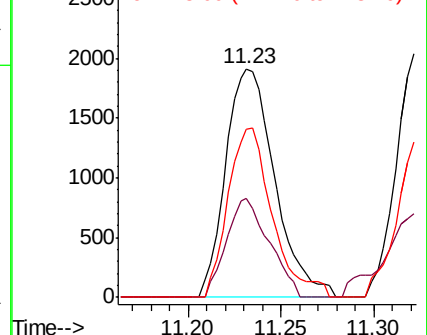
148 73.5 44.4 82.4



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: 0.439 ug/L

RT: 11.32 min Scan# 3182

Delta R.T. -0.00 min

Lab File: VV008089.D

Acq: 05 Oct 2018 10:51

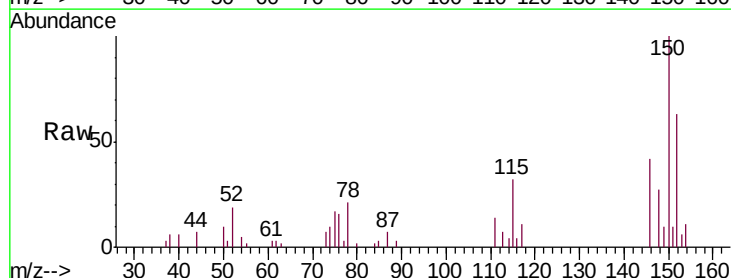
Tgt Ion:146 Resp: 3539

Ion Ratio Lower Upper

146 100

111 34.1 24.2 45.0

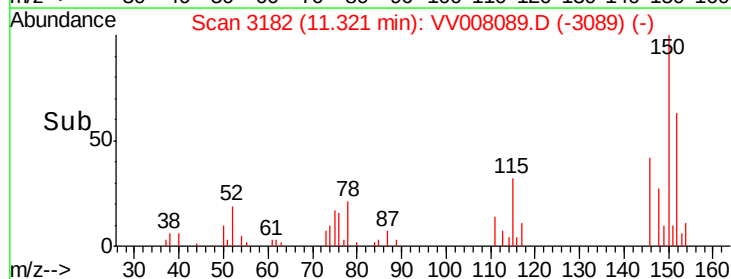
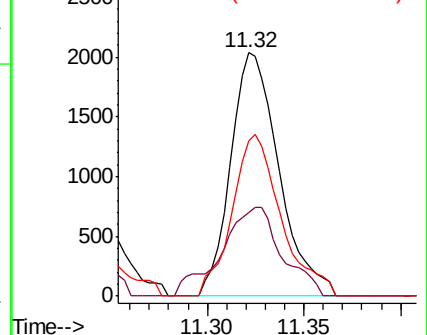
148 63.7 44.0 81.6

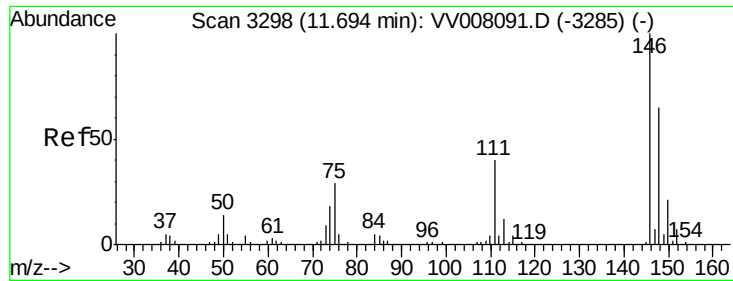


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

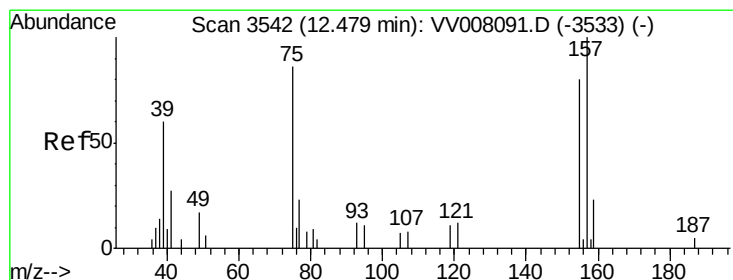
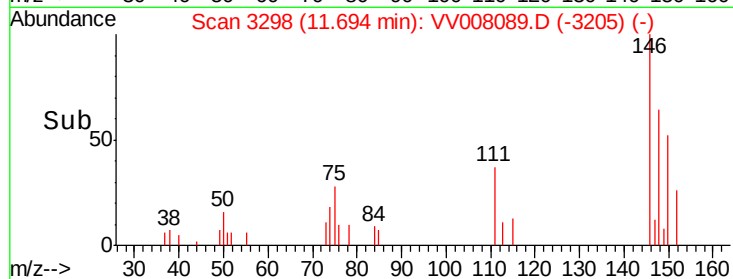
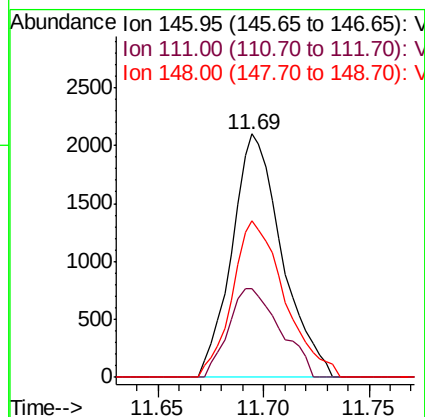
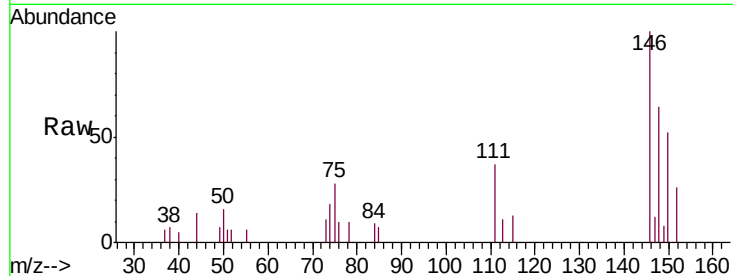




#65
 1,2-Dichlorobenzene
 Concen: 0.471 ug/L
 RT: 11.69 min Scan# 3298
 Delta R.T. -0.00 min
 Lab File: VV008089.D
 Acq: 05 Oct 2018 10:51

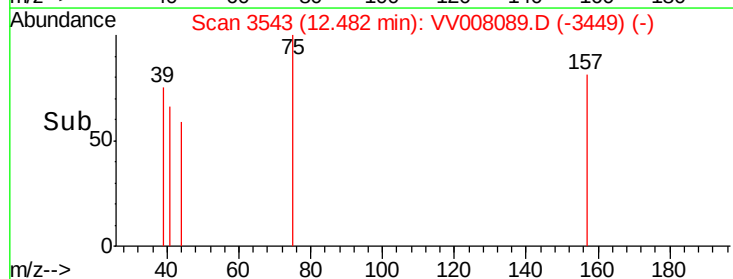
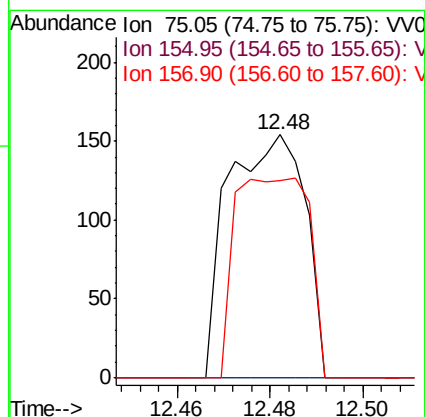
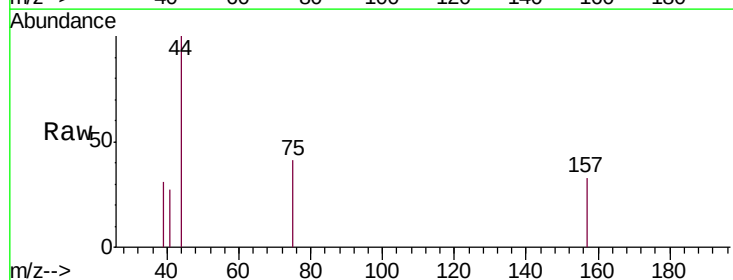
Instrument :
 MSVOA_V
 ClientSampled :
 VSTD0.569

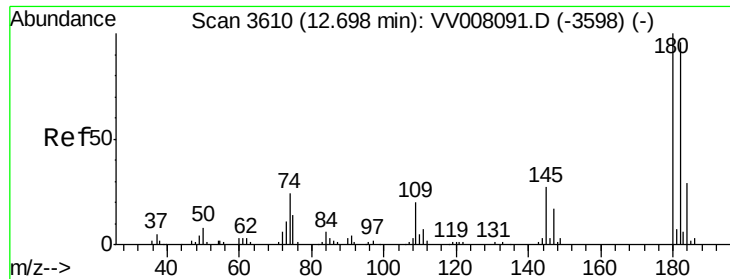
Tgt Ion: 146 Resp: 3454
 Ion Ratio Lower Upper
 146 100
 111 36.5 31.8 47.6
 148 64.5 52.2 78.2



#66
 1,2-Dibromo-3-chloropropane
 Concen: 0.472 ug/L
 RT: 12.48 min Scan# 3543
 Delta R.T. 0.00 min
 Lab File: VV008089.D
 Acq: 05 Oct 2018 10:51

Tgt Ion: 75 Resp: 178
 Ion Ratio Lower Upper
 75 100
 155 0.0 74.7 112.1#
 157 81.2 93.1 139.7#

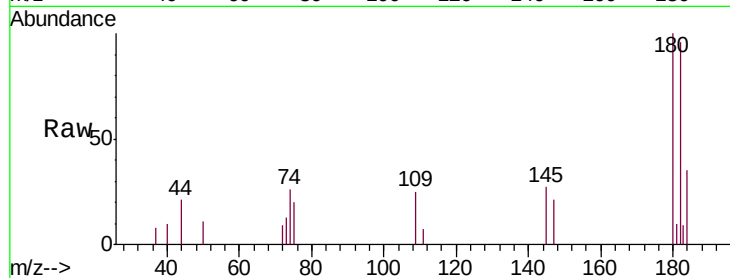




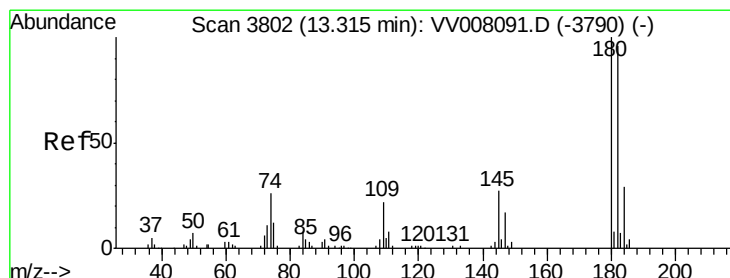
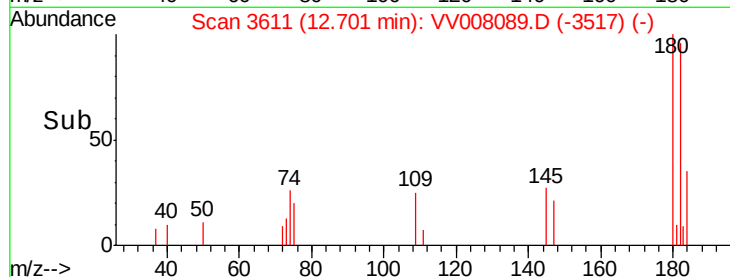
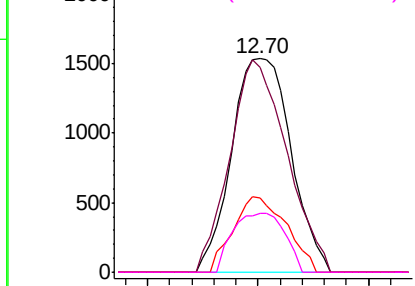
#67
 1,3,5-Trichlorobenzene
 Concen: 0.432 ug/L
 RT: 12.70 min Scan# 3611
 Delta R.T. 0.00 min
 Lab File: VV008089.D
 Acq: 05 Oct 2018 10:51

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD0.569

Tgt Ion:180 Resp: 2872
 Ion Ratio Lower Upper
 180 100
 182 95.4 77.0 115.6
 184 31.6 24.2 36.2
 145 24.3 22.2 33.2

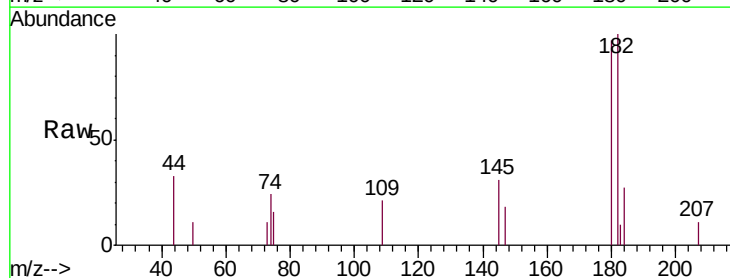


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

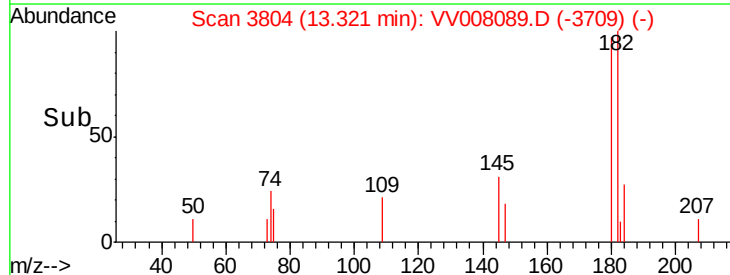
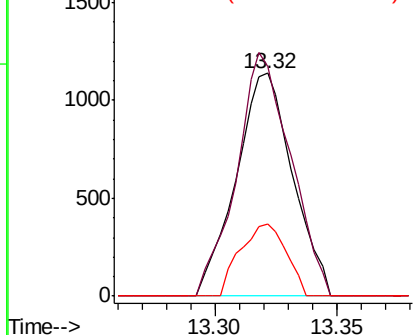


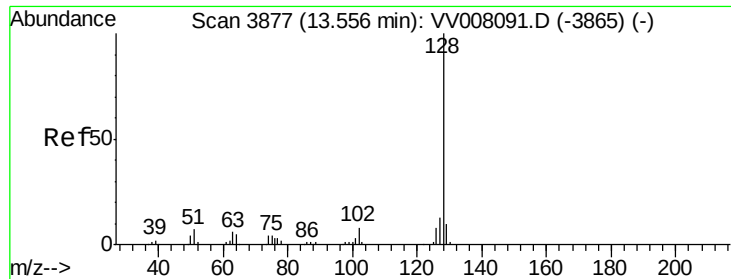
#68
 1,2,4-trichlorobenzene
 Concen: 0.329 ug/L
 RT: 13.32 min Scan# 3804
 Delta R.T. 0.01 min
 Lab File: VV008089.D
 Acq: 05 Oct 2018 10:51

Tgt Ion:180 Resp: 1827
 Ion Ratio Lower Upper
 180 100
 182 104.4 76.6 114.8
 145 26.4 22.1 33.1



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: 0.318 ug/L

RT: 13.56 min Scan# 3879

Delta R.T. 0.01 min

Lab File: VV008089.D

Acq: 05 Oct 2018 10:51

Instrument :

MSVOA_V

ClientSampleId :

VSTD0.569

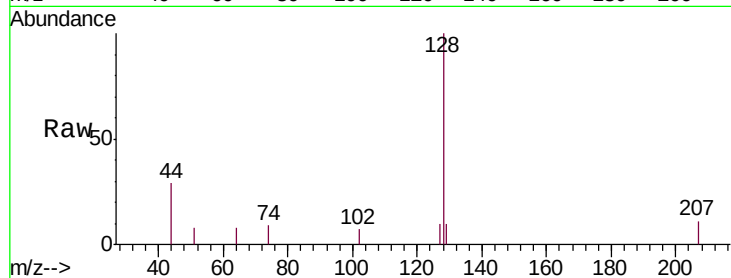
Tgt Ion:128 Resp: 2412

Ion Ratio Lower Upper

128 100

129 4.9 8.5 12.7#

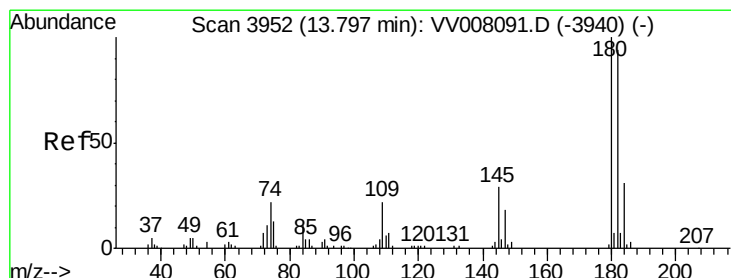
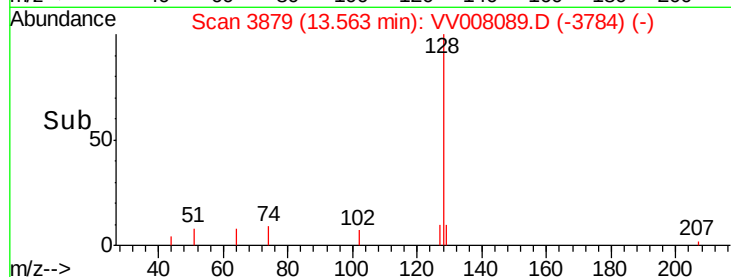
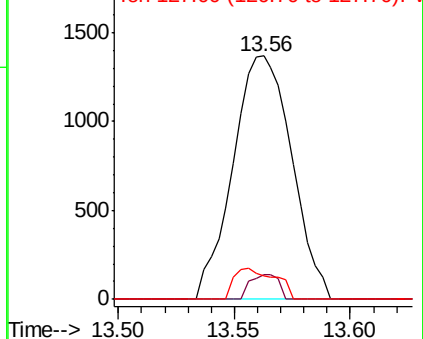
127 8.9 10.2 15.2#



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: 0.388 ug/L

RT: 13.80 min Scan# 3954

Delta R.T. 0.01 min

Lab File: VV008089.D

Acq: 05 Oct 2018 10:51

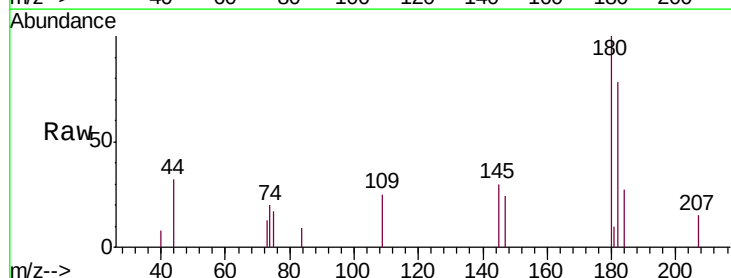
Tgt Ion:180 Resp: 1953

Ion Ratio Lower Upper

180 100

182 84.7 75.1 112.7

145 28.5 23.2 34.8



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

