

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU100518\
 Data File : VU027439.D
 Acq On : 05 Oct 2018 08:38
 Operator : MD/SY
 Sample : VSTDIC005
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00551

Quant Time: Oct 06 04:10:50 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM100518WMA.M
 Quant Title : VOC Analysis
 QLast Update : Sat Oct 06 04:10:10 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.89	114	132052	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	123769	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	58914	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	8390	8.07	ug/L	0.00
7) Chloroethane-d5	1.68	69	6273	7.84	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.28	63	13670	7.01	ug/L	0.00
21) 2-Butanone-d5	4.19	46	10535	12.56	ug/L	0.01
24) Chloroform-d	4.65	84	12212	7.35	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.31	65	9384	8.06	ug/L	0.00
32) Benzene-d6	5.35	84	26957	7.60	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.34	67	9101	7.49	ug/L	0.00
41) Toluene-d8	7.57	98	23472	7.40	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.85	79	3989	6.81	ug/L	0.00
47) 2-Hexanone-d5	8.32	63	7210	11.75	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.43	84	11657	7.34	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.86	152	8398	7.29	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.21	85	4725	3.608 ug/L	98
3) Chloromethane	1.33	50	5576	3.706 ug/L	96
5) Vinyl chloride	1.40	62	5286	3.595 ug/L #	48
6) Bromomethane	1.63	94	2080	3.237 ug/L	99
8) Chloroethane	1.70	64	4478	5.082 ug/L #	76
9) Trichlorofluoromethane	1.89	101	5641	3.833 ug/L	94
10) 1,1,2-Trichloro-1,2,2-trif	2.29	101	3063	3.505 ug/L	98
12) 1,1-Dichloroethene	2.29	96	3272	3.836 ug/L #	70
13) Acetone	2.32	43	6803	9.887 ug/L	99
14) Carbon disulfide	2.48	76	11739	3.746 ug/L	98
15) Methyl Acetate	2.62	43	4919	3.567 ug/L	100
16) Methylene chloride	2.70	84	4053	3.912 ug/L	96
17) trans-1,2-Dichloroethene	2.99	96	3385	3.584 ug/L	88
18) Methyl tert-butyl Ether	3.00	73	10752	3.423 ug/L	99
19) 1,1-Dichloroethane	3.45	63	7034	3.606 ug/L	97
20) cis-1,2-Dichloroethene	4.23	96	3666	3.499 ug/L	89
22) 2-Butanone	4.28	43	7154	7.263 ug/L	89
23) Bromochloromethane	4.55	128	991	2.074 ug/L	88
25) Chloroform	4.68	83	7715	4.095 ug/L	93
27) 1,2-Dichloroethane	5.41	62	5506	3.639 ug/L #	92
29) Cyclohexane	5.00	56	6370	3.393 ug/L #	90
30) 1,1,1-Trichloroethane	4.92	97	5529	3.734 ug/L	99
31) Carbon tetrachloride	5.14	117	4359	3.500 ug/L	100
33) Benzene	5.40	78	13889	3.415 ug/L	100
34) Trichloroethene	6.19	95	3458	3.535 ug/L	91
35) Methylcyclohexane	6.42	83	5756	3.387 ug/L	99
37) 1,2-Dichloropropane	6.44	63	4434	3.763 ug/L #	89
38) Bromodichloromethane	6.76	83	4432	3.310 ug/L	92
39) cis-1,3-Dichloropropene	7.28	75	4769	2.754 ug/L	99
40) 4-Methyl-2-pentanone	7.47	43	10504	6.087 ug/L #	97

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU100518\
 Data File : VU027439.D
 Acq On : 05 Oct 2018 08:38
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 Sample : VSTDIC005
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00551

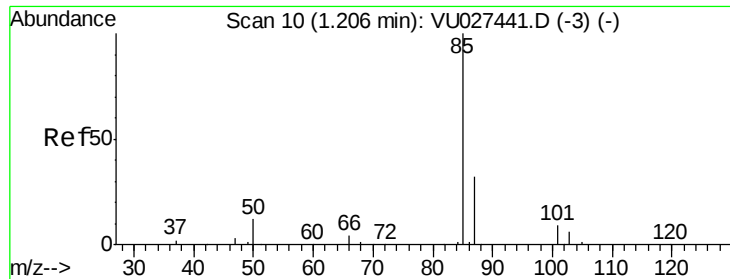
Quant Time: Oct 06 04:10:50 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM100518WMA.M
 Quant Title : VOC Analysis
 QLast Update : Sat Oct 06 04:10:10 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

42) Toluene	7.64	91	13811	3.384	ug/L	98
44) trans-1,3-Dichloropropene	7.88	75	5037	3.134	ug/L	96
45) 1,1,2-Trichloroethane	8.07	97	3525	3.726	ug/L	84
46) Tetrachloroethene	8.23	164	2559	3.520	ug/L	90
48) 2-Hexanone	8.37	43	7893	5.793	ug/L	94
49) Dibromochloromethane	8.48	129	3338	3.384	ug/L	90
50) 1,2-Dibromoethane	8.59	107	3579	3.566	ug/L #	98
51) Chlorobenzene	9.12	112	9523	3.691	ug/L	97
52) Ethylbenzene	9.25	91	14732	3.251	ug/L	99
53) m,p-Xylene	9.38	106	5342	3.221	ug/L	97
54) o-xylene	9.78	106	4766	2.983	ug/L	99
55) Styrene	9.80	104	7777	2.842	ug/L	92
56) Isopropylbenzene	10.17	105	12490	2.983	ug/L	98
58) 1,1,2,2-Tetrachloroethane	10.46	83	5904	3.562	ug/L #	95
59) 1,2,3-Trichloropropane	10.50	75	4891	3.666	ug/L	99
61) Bromoform	9.96	173	2126	3.176	ug/L	99
62) 1,3-Dichlorobenzene	11.42	146	6355	3.466	ug/L	93
63) 1,4-Dichlorobenzene	11.51	146	7168	3.748	ug/L	98
65) 1,2-Dichlorobenzene	11.88	146	6482	3.473	ug/L	98
66) 1,2-Dibromo-3-chloropropan	12.66	75	1038	3.000	ug/L	96
67) 1,3,5-Trichlorobenzene	12.89	180	4429	3.126	ug/L	98
68) 1,2,4-trichlorobenzene	13.51	180	3869	2.970	ug/L	97
69) Naphthalene	13.75	128	9520	2.370	ug/L	98
70) 1,2,3-Trichlorobenzene	13.99	180	3716	2.805	ug/L	87

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

```
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Acq On    : 05 Oct 2018   08:38  
Operator  : MD/SY  
Sample    : VSTDICC005  
Misc      : 5.0mL/MSVOA_U/WATER  
ALS Vial  : 3      Sample Multiplier: 1
```



#2

Dichlorodifluoromethane

Concen: 3.608 ug/L

RT: 1.21 min Scan# 11

Delta R.T. 0.00 min

Lab File: VU027439.D

Acq: 05 Oct 2018 08:38

Instrument :

MSVOA_U

ClientSampleId :

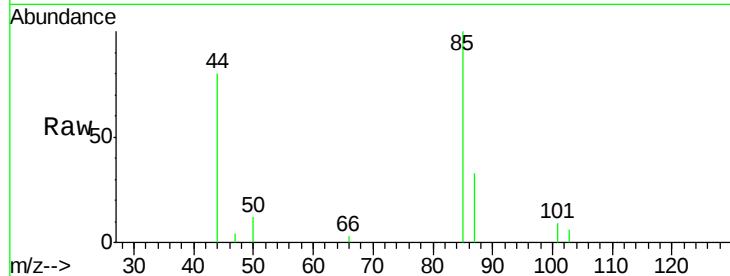
VSTD00551

Tgt Ion: 85 Resp: 4725

Ion Ratio Lower Upper

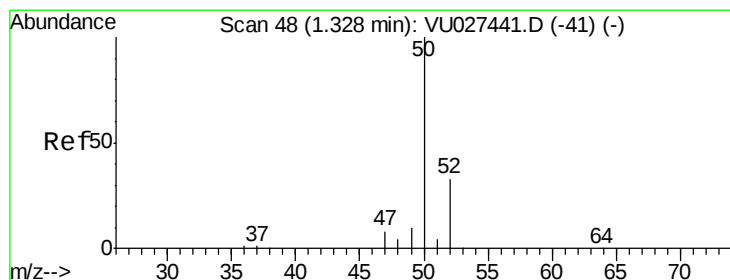
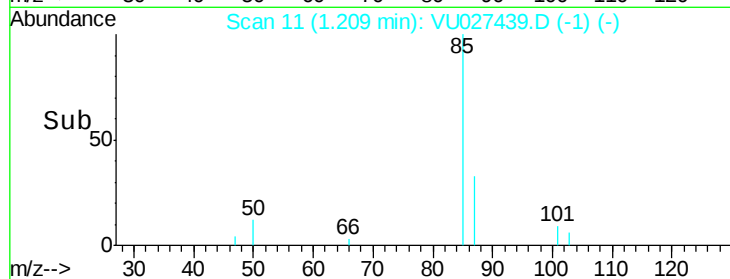
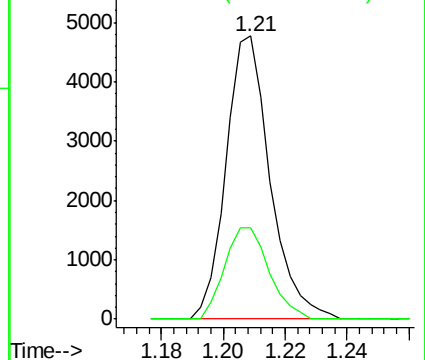
85 100

87 32.7 25.4 38.2



Abundance Ion 85.00 (84.70 to 85.70): VU0

Ion 87.00 (86.70 to 87.70): VU0



#3

Chloromethane

Concen: 3.706 ug/L

RT: 1.33 min Scan# 49

Delta R.T. 0.00 min

Lab File: VU027439.D

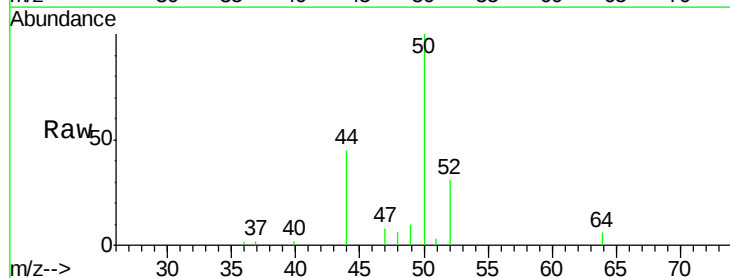
Acq: 05 Oct 2018 08:38

Tgt Ion: 50 Resp: 5576

Ion Ratio Lower Upper

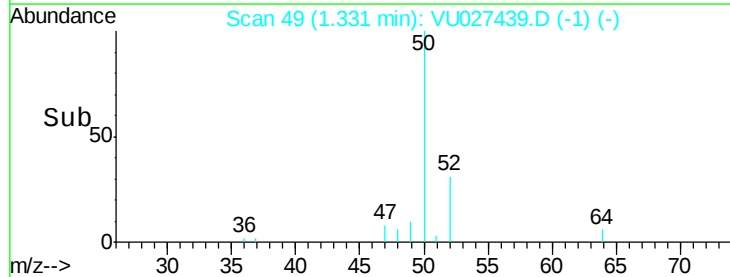
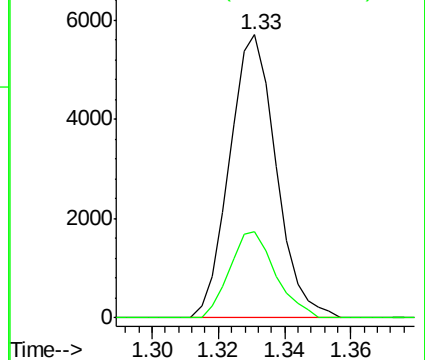
50 100

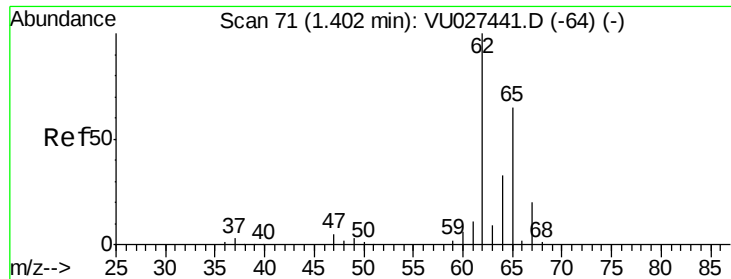
52 30.7 23.0 42.6



Abundance Ion 50.00 (49.70 to 50.70): VU0

Ion 52.00 (51.70 to 52.70): VU0





#5

Vinyl chloride

Concen: 3.595 ug/L

RT: 1.40 min Scan# 72

Delta R.T. 0.00 min

Lab File: VU027439.D

Acq: 05 Oct 2018 08:38

Instrument :

MSVOA_U

ClientSampleId :

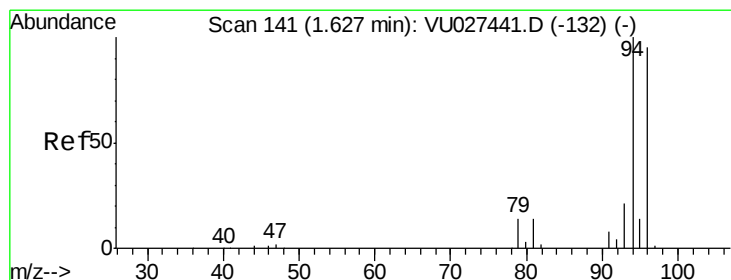
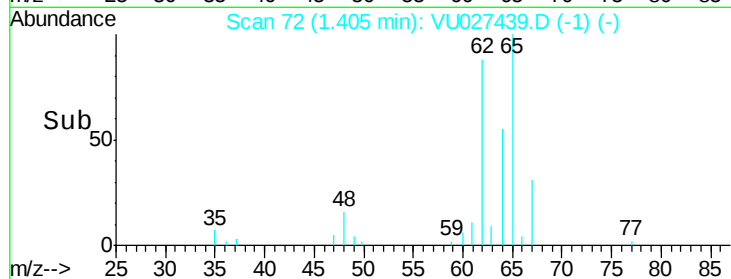
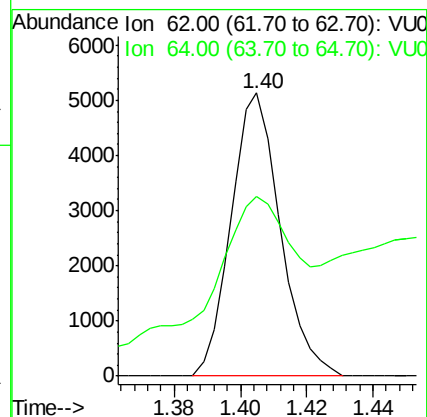
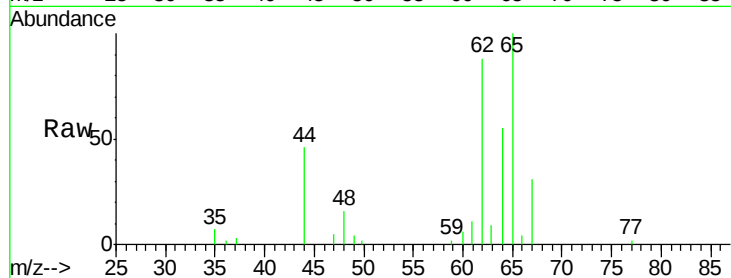
VSTD00551

Tgt Ion: 62 Resp: 5286

Ion Ratio Lower Upper

62 100

64 63.4 23.5 43.7#



#6

Bromomethane

Concen: 3.237 ug/L

RT: 1.63 min Scan# 143

Delta R.T. 0.01 min

Lab File: VU027439.D

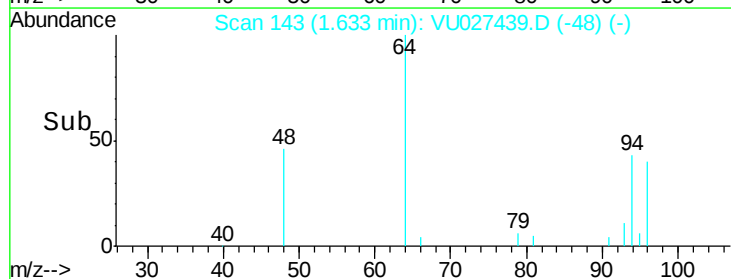
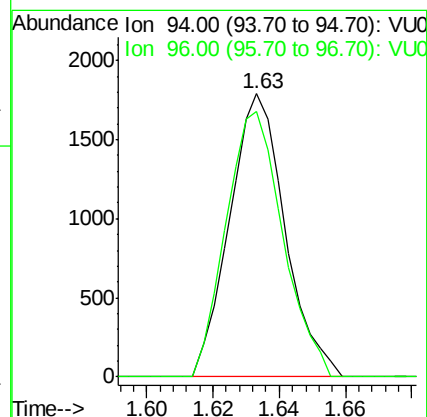
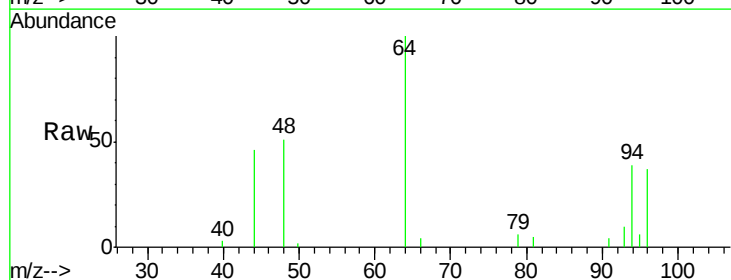
Acq: 05 Oct 2018 08:38

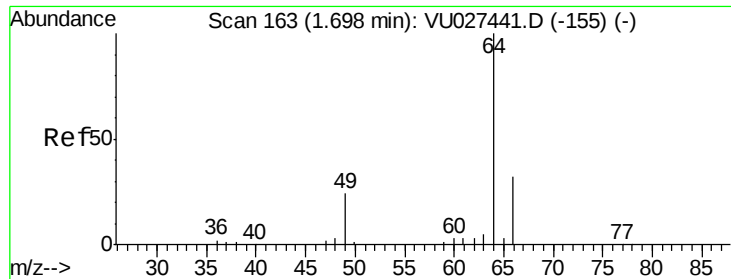
Tgt Ion: 94 Resp: 2080

Ion Ratio Lower Upper

94 100

96 93.9 66.6 123.8





#8

Chloroethane

Concen: 5.082 ug/L

RT: 1.70 min Scan# 164

Delta R.T. 0.00 min

Lab File: VU027439.D

Acq: 05 Oct 2018 08:38

Instrument :

MSVOA_U

ClientSampleId :

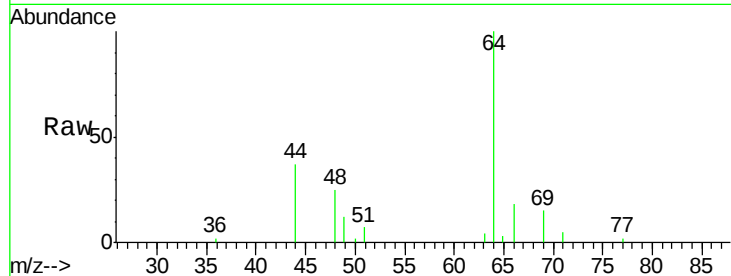
VSTD00551

Tgt Ion: 64 Resp: 4478

Ion Ratio Lower Upper

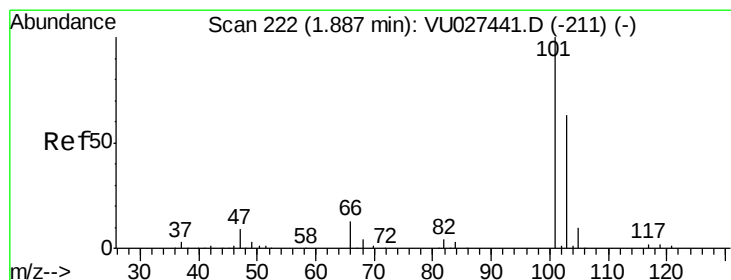
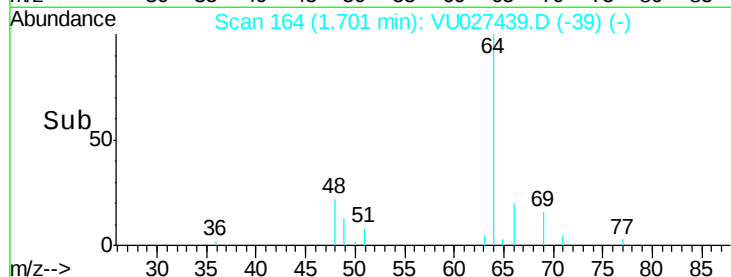
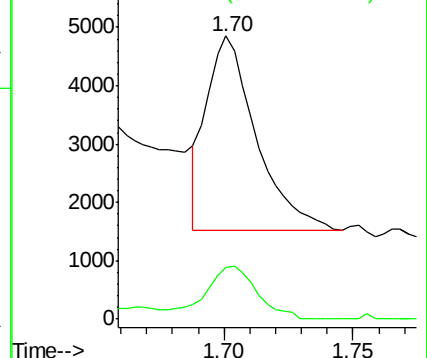
64 100

66 18.2 22.0 40.8#



Abundance Ion 64.00 (63.70 to 64.70): VU0

Ion 66.00 (65.70 to 66.70): VU0



#9

Trichlorofluoromethane

Concen: 3.833 ug/L

RT: 1.89 min Scan# 223

Delta R.T. 0.00 min

Lab File: VU027439.D

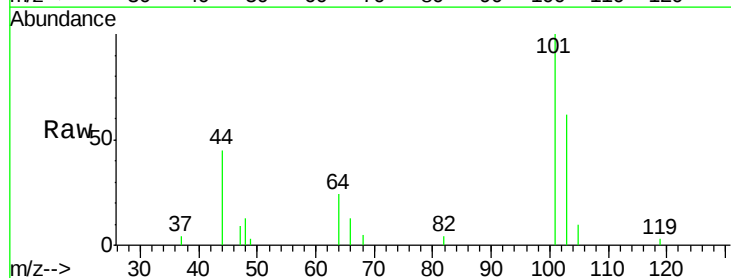
Acq: 05 Oct 2018 08:38

Tgt Ion: 101 Resp: 5641

Ion Ratio Lower Upper

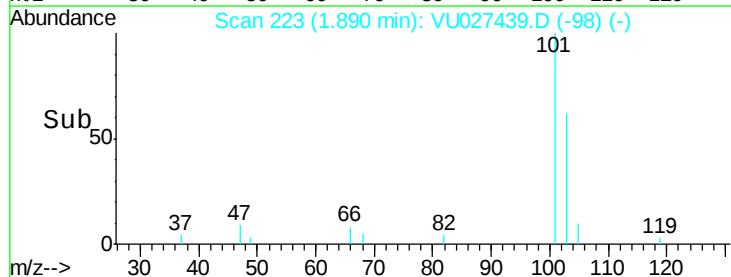
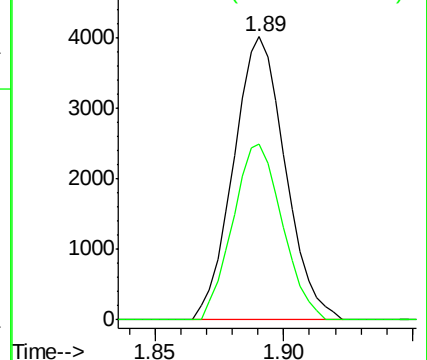
101 100

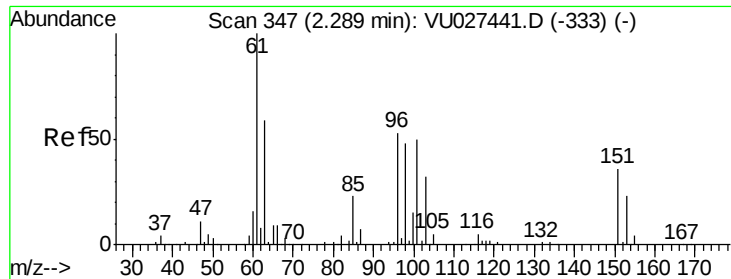
103 59.3 51.1 76.7



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V





#10

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

Concen: 3.505 ug/L

RT: 2.29 min Scan# 348

Delta R.T. 0.00 min

Lab File: VU027439.D

Acq: 05 Oct 2018 08:38

Instrument :

MSVOA_U

ClientSampleId :

VSTD00551

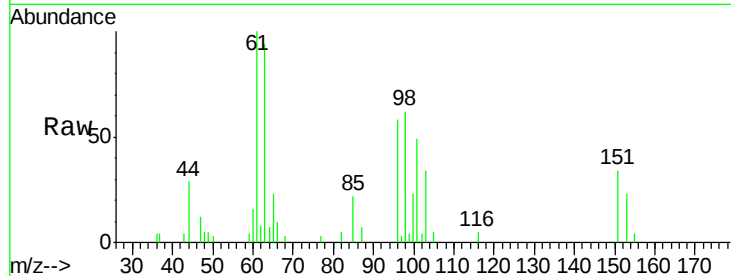
Tgt Ion:101 Resp: 3063

Ion Ratio Lower Upper

101 100

85 43.6 35.9 53.9

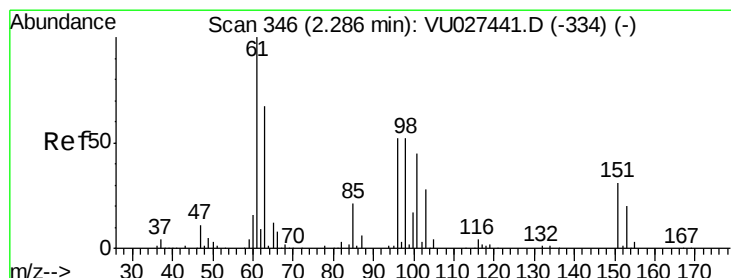
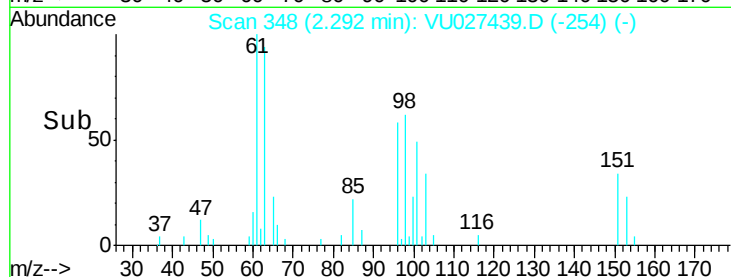
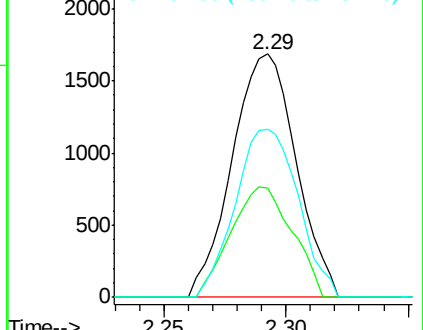
151 68.1 55.7 83.5



Abundance Ion 101.00 (100.70 to 101.70): VU027441.D (-333) (-)

Ion 85.00 (84.70 to 85.70): VU027441.D (-333) (-)

Ion 151.00 (150.70 to 151.70): VU027441.D (-333) (-)



#12

1,1-Dichloroethene

Concen: 3.836 ug/L

RT: 2.29 min Scan# 347

Delta R.T. 0.00 min

Lab File: VU027439.D

Acq: 05 Oct 2018 08:38

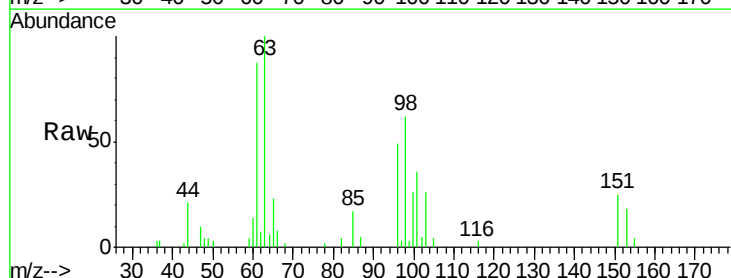
Tgt Ion: 96 Resp: 3272

Ion Ratio Lower Upper

96 100

61 175.7 135.2 251.0

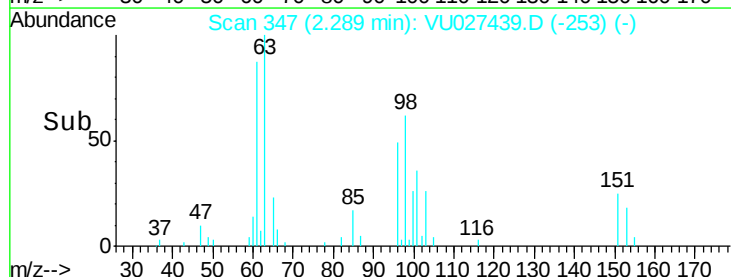
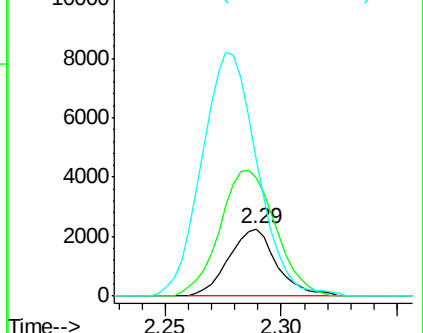
63 202.8 94.3 175.1#

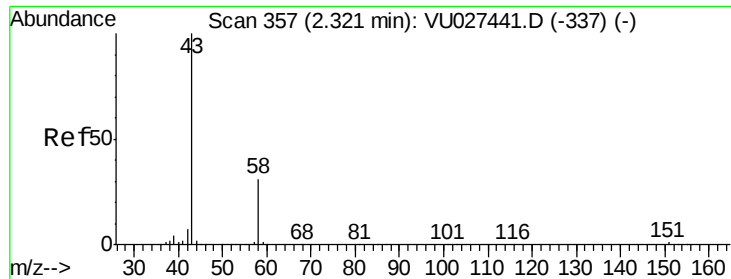


Abundance Ion 96.00 (95.70 to 96.70): VU027439.D (-253) (-)

Ion 61.00 (60.70 to 61.70): VU027439.D (-253) (-)

Ion 63.00 (62.70 to 63.70): VU027439.D (-253) (-)





#13

Acetone

Concen: 9.887 ug/L

RT: 2.32 min Scan# 358

Delta R.T. 0.00 min

Lab File: VU027439.D

Acq: 05 Oct 2018 08:38

Instrument :

MSVOA_U

ClientSampleId :

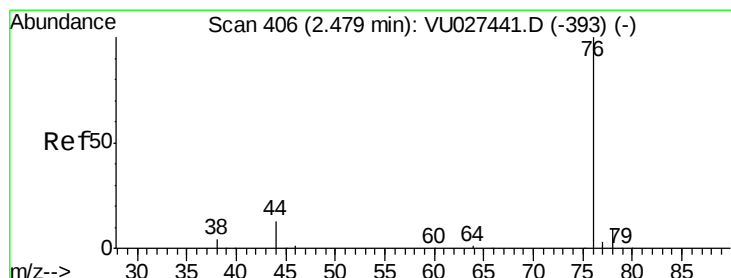
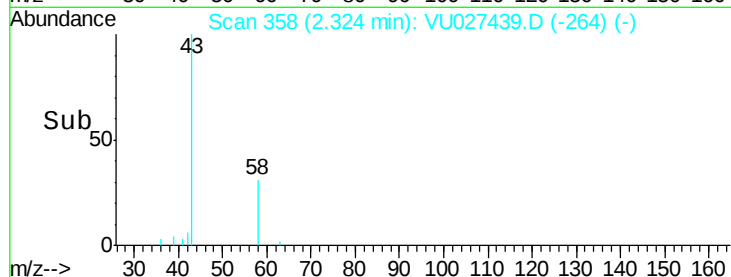
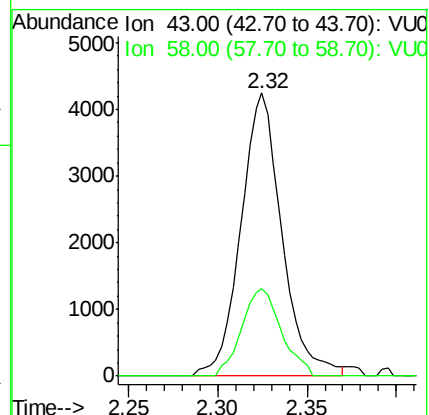
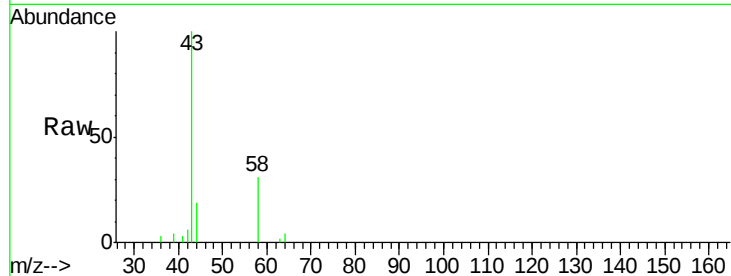
VSTD00551

Tgt Ion: 43 Resp: 6803

Ion Ratio Lower Upper

43 100

58 29.7 0.0 60.8



#14

Carbon disulfide

Concen: 3.746 ug/L

RT: 2.48 min Scan# 406

Delta R.T. -0.00 min

Lab File: VU027439.D

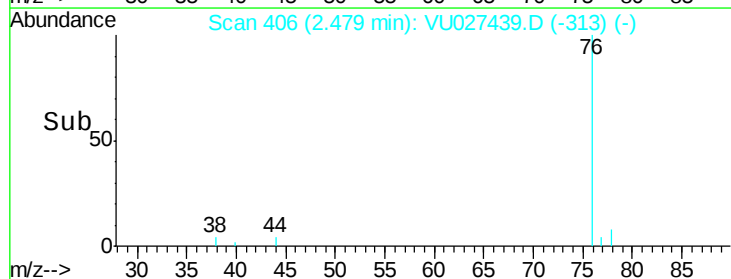
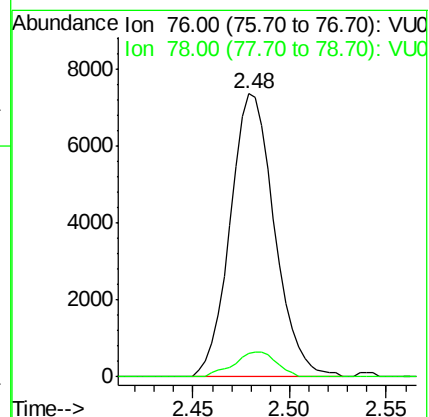
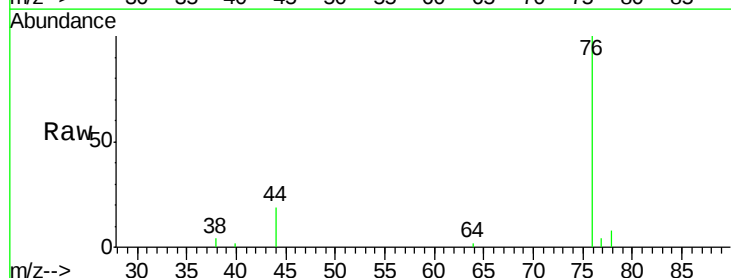
Acq: 05 Oct 2018 08:38

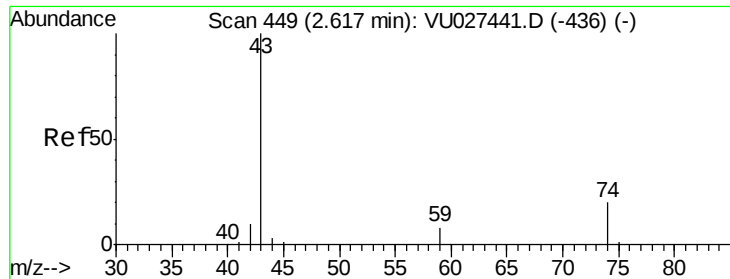
Tgt Ion: 76 Resp: 11739

Ion Ratio Lower Upper

76 100

78 8.4 7.4 11.2

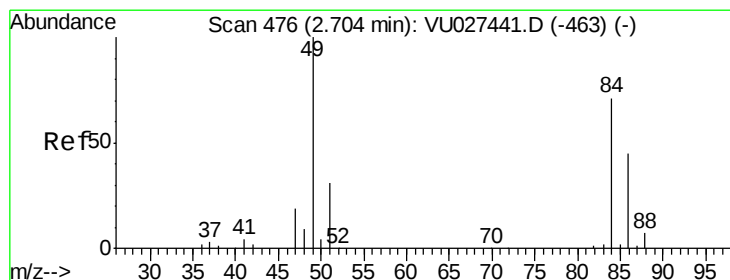
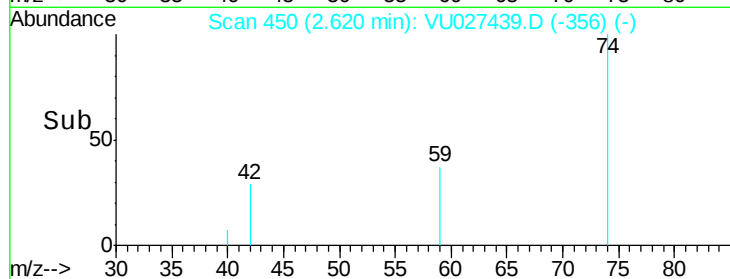
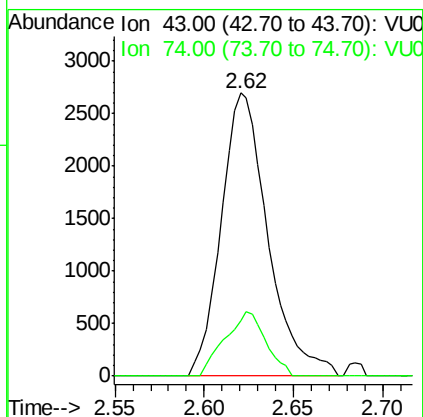
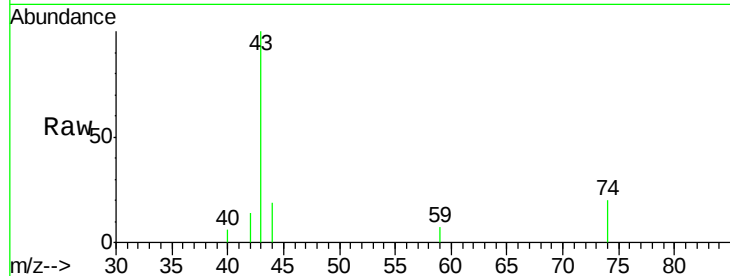




#15
Methyl Acetate
Concen: 3.567 ug/L
RT: 2.62 min Scan# 450
Delta R.T. 0.00 min
Lab File: VU027439.D
Acq: 05 Oct 2018 08:38

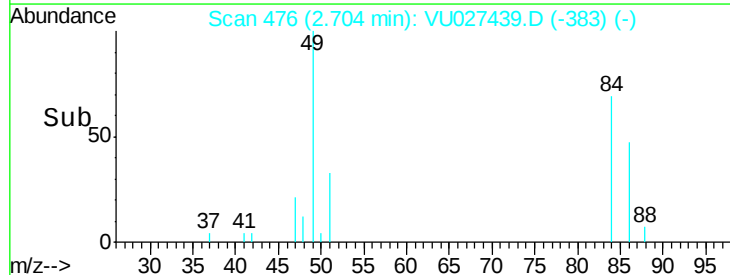
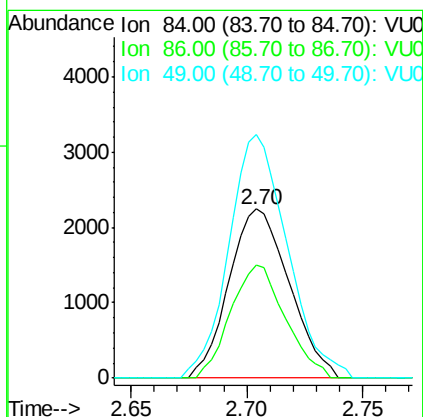
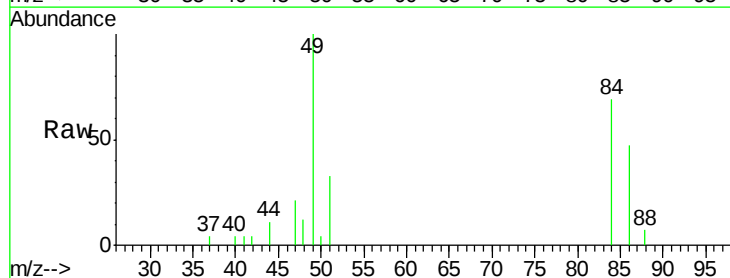
Instrument :
MSVOA_U
ClientSampleId :
VSTD00551

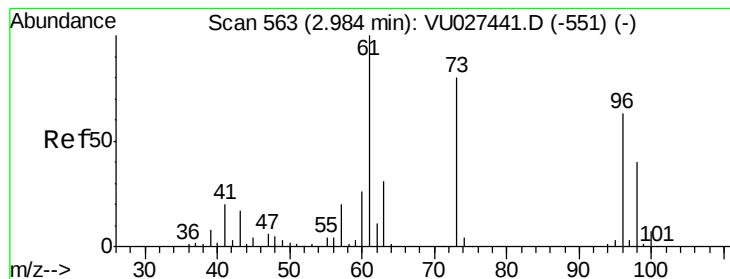
Tgt Ion: 43 Resp: 4919
Ion Ratio Lower Upper
43 100
74 19.9 16.0 24.0



#16
Methylene chloride
Concen: 3.912 ug/L
RT: 2.70 min Scan# 476
Delta R.T. -0.00 min
Lab File: VU027439.D
Acq: 05 Oct 2018 08:38

Tgt Ion: 84 Resp: 4053
Ion Ratio Lower Upper
84 100
86 67.3 44.6 82.8
49 144.3 98.3 182.5





#17

trans-1,2-Dichloroethene

Concen: 3.584 ug/L

RT: 2.99 min Scan# 565

Delta R.T. 0.01 min

Lab File: VU027439.D

Acq: 05 Oct 2018 08:38

Instrument :

MSVOA_U

ClientSampleId :

VSTD00551

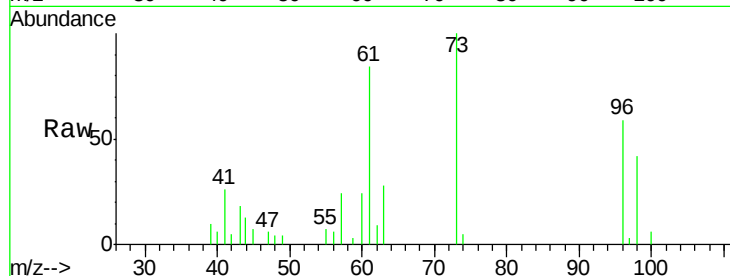
Tgt Ion: 96 Resp: 3385

Ion Ratio Lower Upper

96 100

61 143.1 110.9 205.9

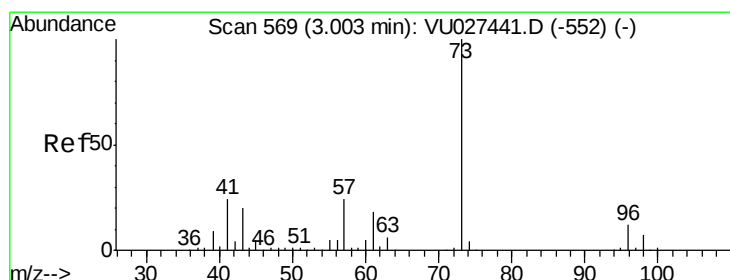
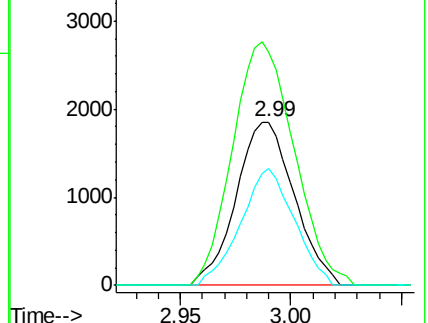
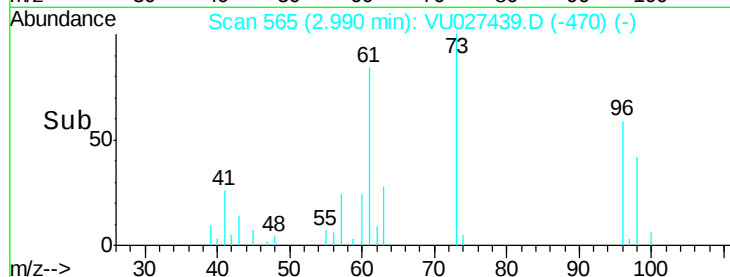
98 71.4 43.7 81.1



Abundance Ion 96.00 (95.70 to 96.70): VU027439.D (-470) (-)

Ion 61.00 (60.70 to 61.70): VU027439.D (-470) (-)

Ion 98.00 (97.70 to 98.70): VU027439.D (-470) (-)



#18

Methyl tert-butyl Ether

Concen: 3.423 ug/L

RT: 3.00 min Scan# 569

Delta R.T. 0.00 min

Lab File: VU027439.D

Acq: 05 Oct 2018 08:38

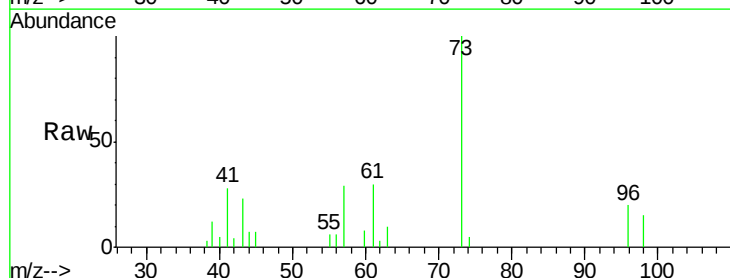
Tgt Ion: 73 Resp: 10752

Ion Ratio Lower Upper

73 100

43 19.9 16.5 24.7

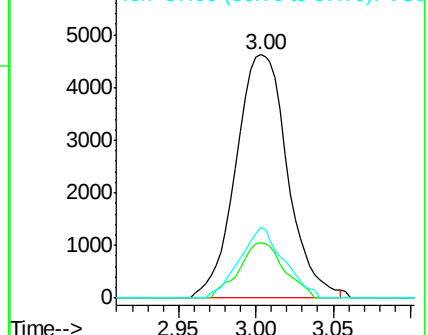
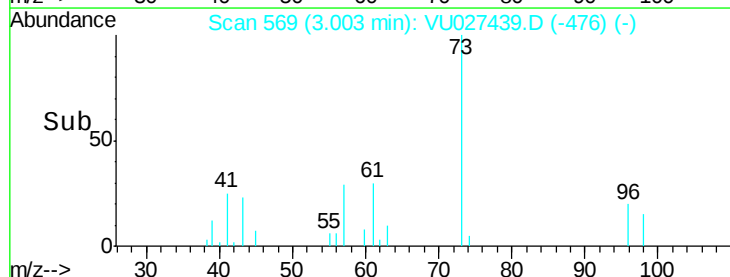
57 24.9 19.4 29.0

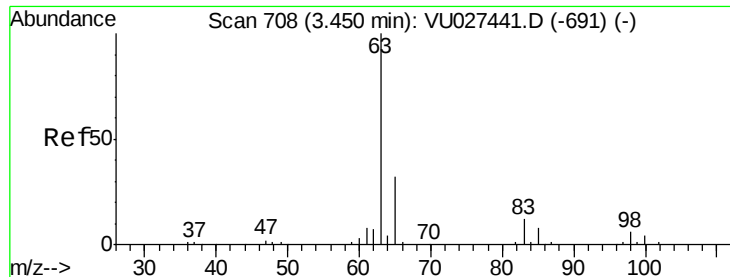


Abundance Ion 73.00 (72.70 to 73.70): VU027439.D (-476) (-)

Ion 43.00 (42.70 to 43.70): VU027439.D (-476) (-)

Ion 57.00 (56.70 to 57.70): VU027439.D (-476) (-)

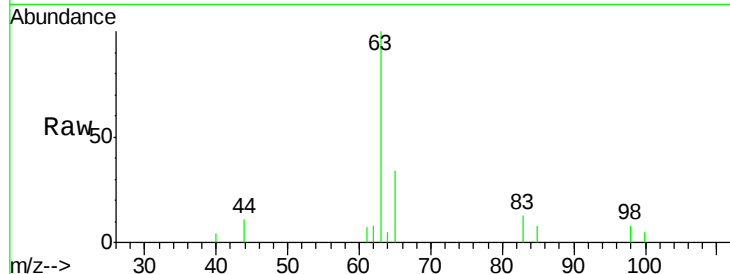




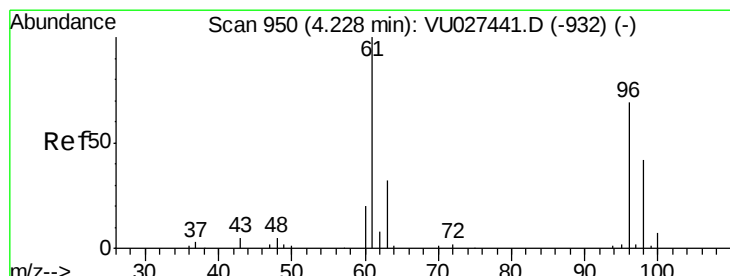
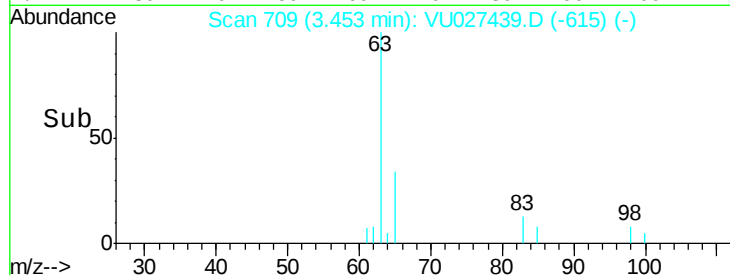
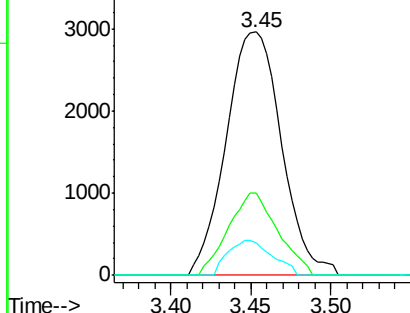
#19
 1,1-Dichloroethane
 Concen: 3.606 ug/L
 RT: 3.45 min Scan# 709
 Delta R.T. 0.00 min
 Lab File: VU027439.D
 Acq: 05 Oct 2018 08:38

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00551

Tgt Ion: 63 Resp: 7034
 Ion Ratio Lower Upper
 63 100
 65 33.7 22.3 41.3
 83 13.4 8.4 15.6

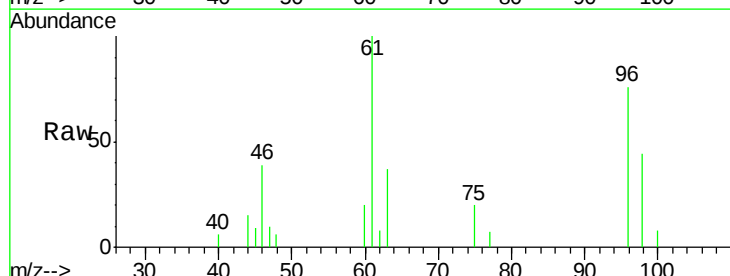


Abundance Ion 63.00 (62.70 to 63.70): VU0
 Ion 65.00 (64.70 to 65.70): VU0
 Ion 83.00 (82.70 to 83.70): VU0

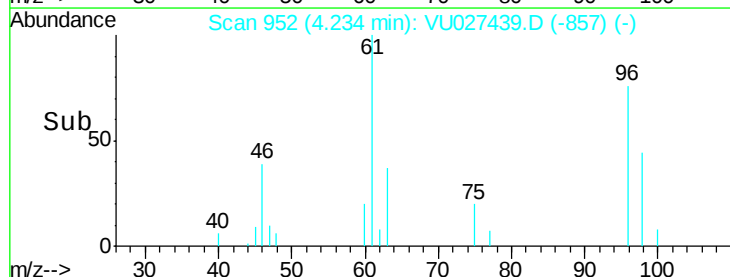
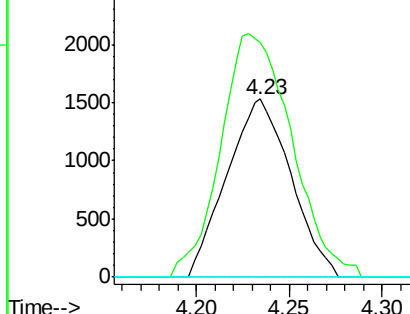


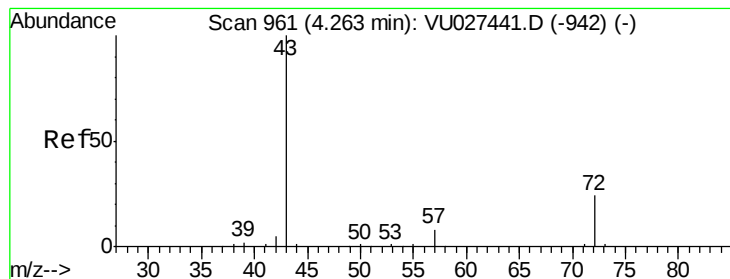
#20
 cis-1,2-Dichloroethene
 Concen: 3.499 ug/L
 RT: 4.23 min Scan# 952
 Delta R.T. 0.01 min
 Lab File: VU027439.D
 Acq: 05 Oct 2018 08:38

Tgt Ion: 96 Resp: 3666
 Ion Ratio Lower Upper
 96 100
 61 132.1 102.0 189.4
 68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU0
 Ion 61.00 (60.70 to 61.70): VU0
 Ion 68.00 (67.70 to 68.70): VU0





#22

2-Butanone

Concen: 7.263 ug/L

RT: 4.28 min Scan# 966

Delta R.T. 0.02 min

Lab File: VU027439.D

Acq: 05 Oct 2018 08:38

Instrument :

MSVOA_U

ClientSampleId :

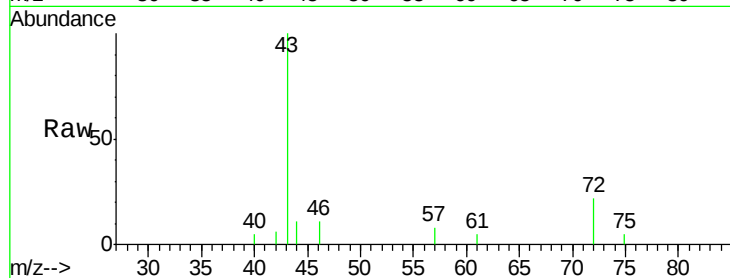
VSTD00551

Tgt Ion: 43 Resp: 7154

Ion Ratio Lower Upper

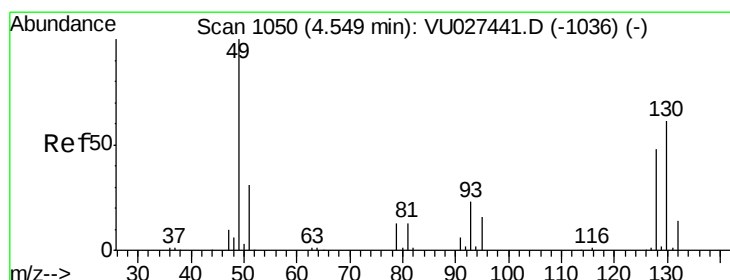
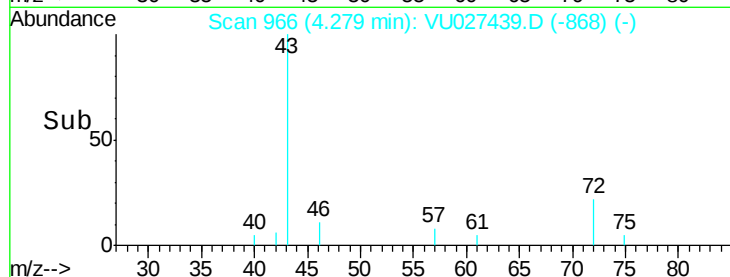
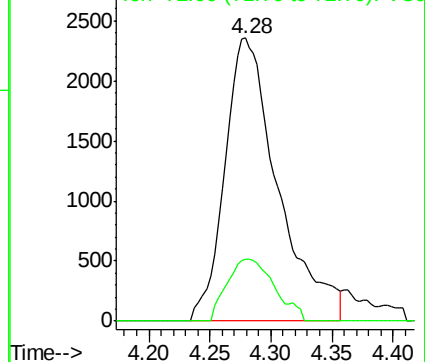
43 100

72 18.1 11.9 35.5



Abundance Ion 43.00 (42.70 to 43.70): VU027441.D (-942) (-)

Ion 72.00 (71.70 to 72.70): VU027441.D (-942) (-)



#23

Bromochloromethane

Concen: 2.074 ug/L

RT: 4.55 min Scan# 1051

Delta R.T. 0.00 min

Lab File: VU027439.D

Acq: 05 Oct 2018 08:38

Tgt Ion: 128 Resp: 991

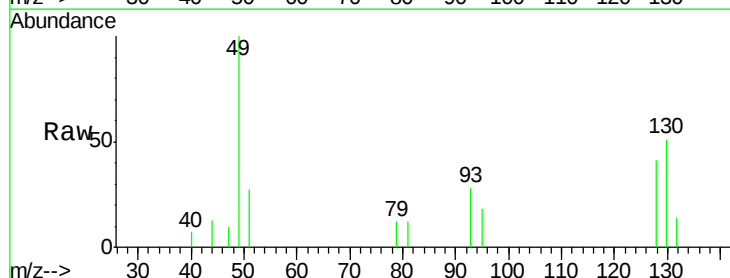
Ion Ratio Lower Upper

128 100

49 242.8 146.9 272.7

130 124.4 89.2 165.6

51 64.7 52.2 78.4

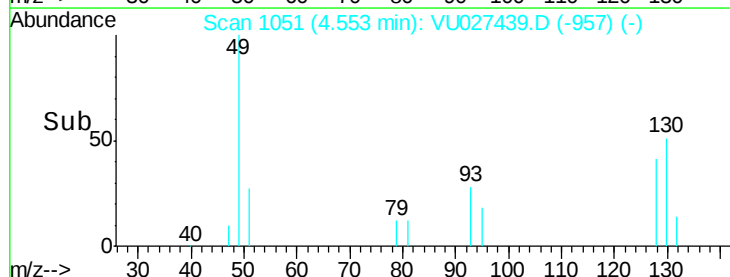
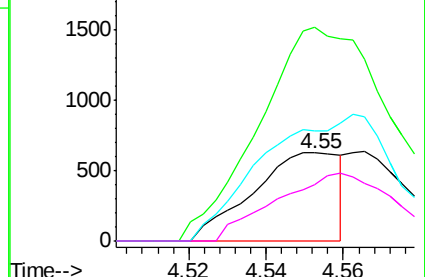


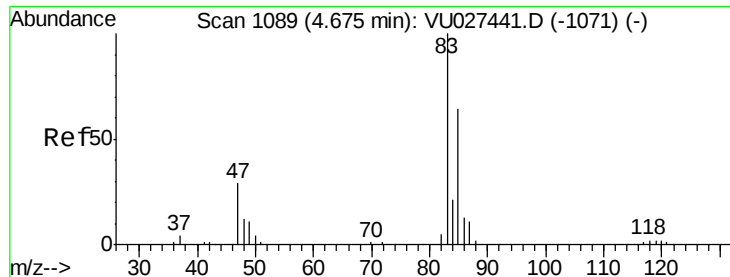
Abundance Ion 128.00 (127.70 to 128.70): VU027441.D (-1036) (-)

Ion 49.00 (48.70 to 49.70): VU027441.D (-1036) (-)

Ion 130.00 (129.70 to 130.70): VU027441.D (-1036) (-)

Ion 51.00 (50.70 to 51.70): VU027441.D (-1036) (-)

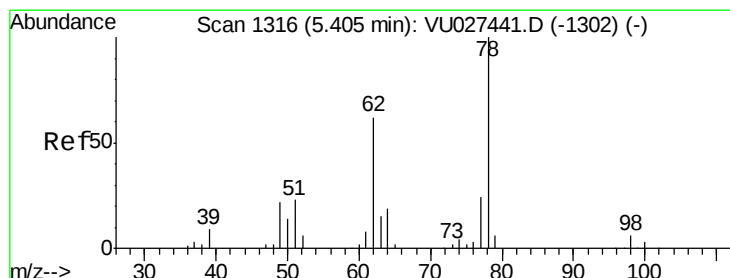
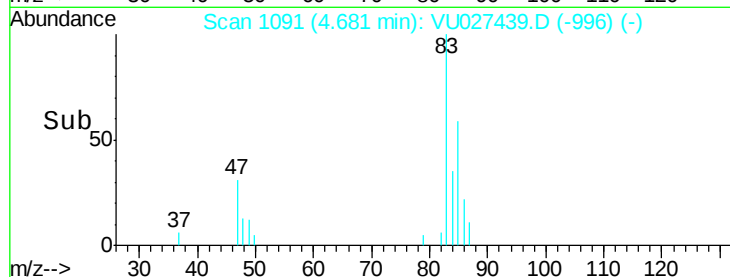
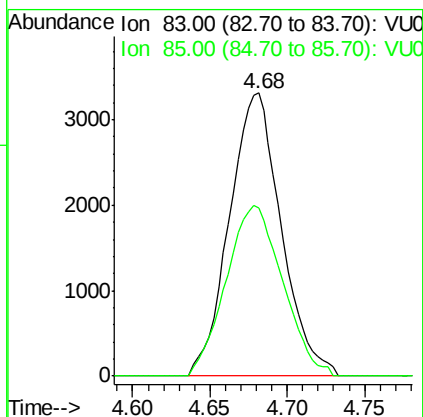
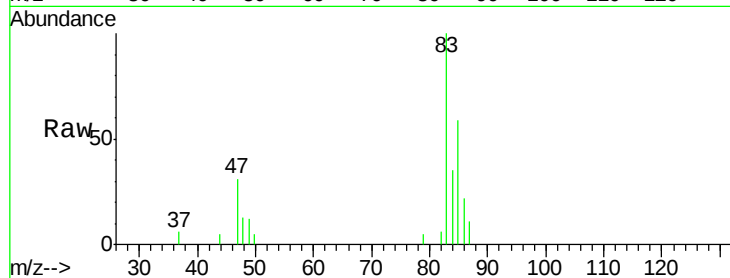




#25
Chloroform
Concen: 4.095 ug/L
RT: 4.68 min Scan# 1091
Delta R.T. 0.01 min
Lab File: VU027439.D
Acq: 05 Oct 2018 08:38

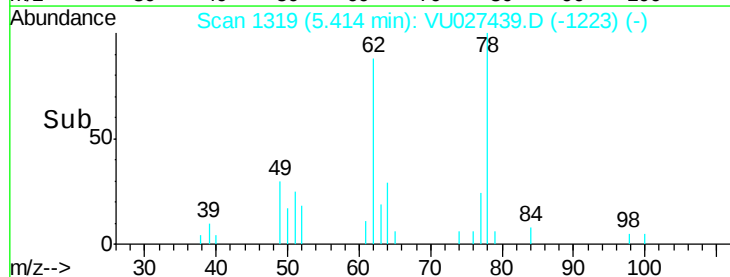
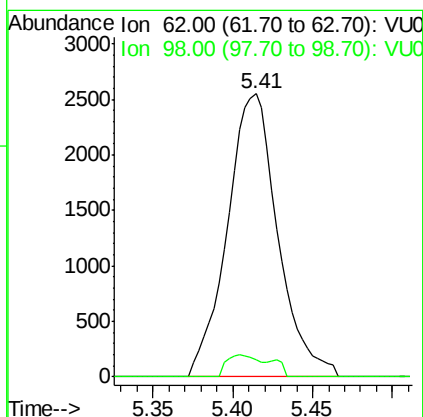
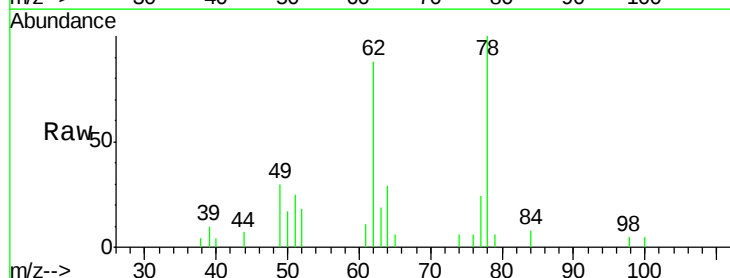
Instrument :
MSVOA_U
ClientSampleId :
VSTD00551

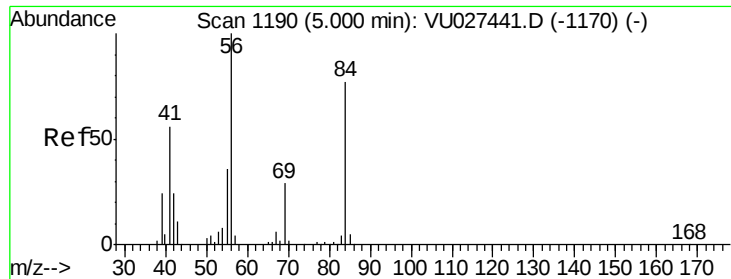
Tgt Ion: 83 Resp: 7715
Ion Ratio Lower Upper
83 100
85 59.2 45.0 83.6



#27
1,2-Dichloroethane
Concen: 3.639 ug/L
RT: 5.41 min Scan# 1319
Delta R.T. 0.01 min
Lab File: VU027439.D
Acq: 05 Oct 2018 08:38

Tgt Ion: 62 Resp: 5506
Ion Ratio Lower Upper
62 100
98 6.0 7.1 10.7#

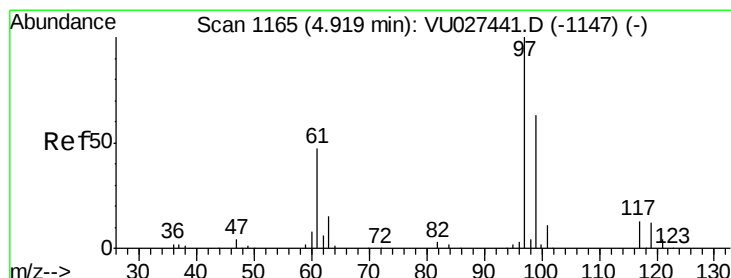
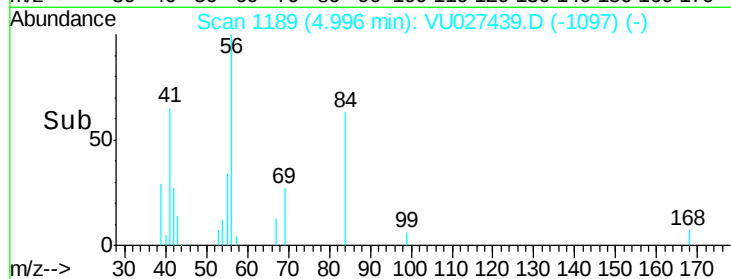
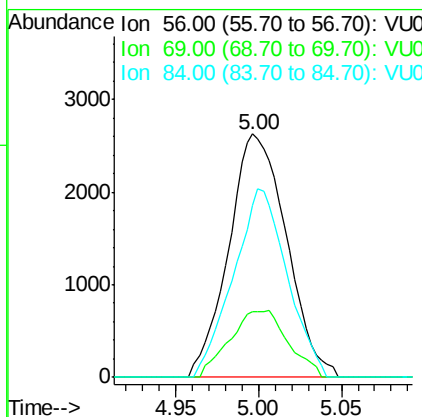
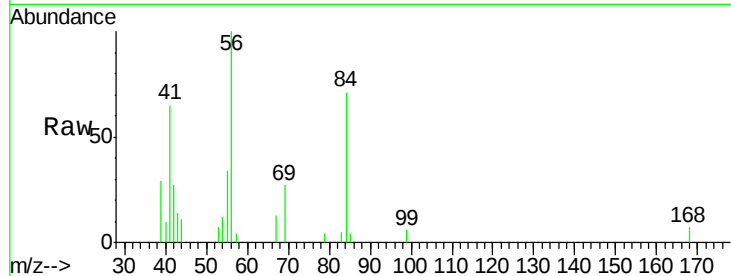




#29
Cyclohexane
Concen: 3.393 ug/L
RT: 5.00 min Scan# 1189
Delta R.T. -0.00 min
Lab File: VU027439.D
Acq: 05 Oct 2018 08:38

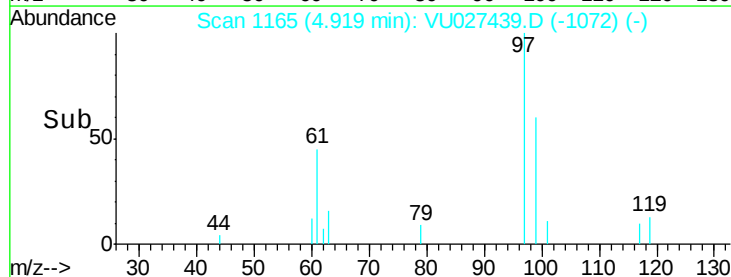
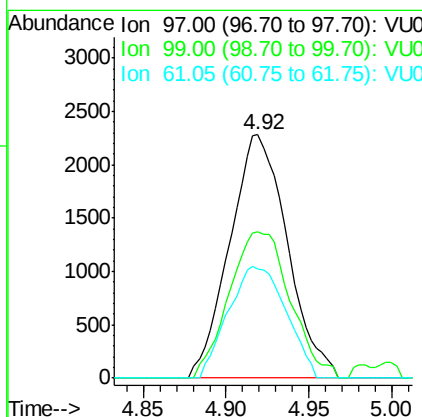
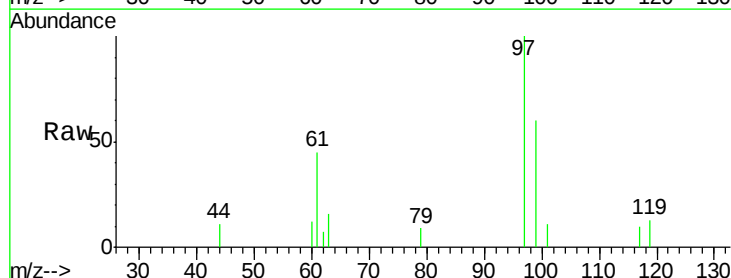
Instrument :
MSVOA_U
ClientSampleId :
VSTD00551

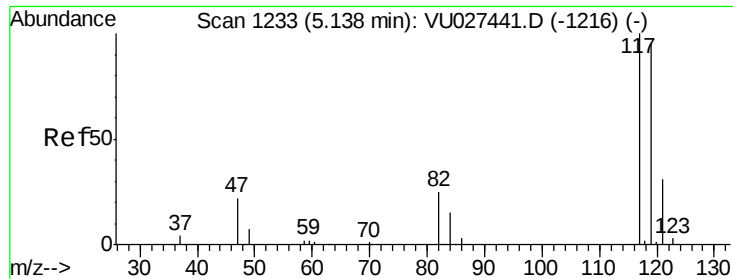
Tgt Ion: 56 Resp: 6370
Ion Ratio Lower Upper
56 100
69 14.4 22.5 33.7#
84 72.0 60.9 91.3



#30
1,1,1-Trichloroethane
Concen: 3.734 ug/L
RT: 4.92 min Scan# 1165
Delta R.T. -0.00 min
Lab File: VU027439.D
Acq: 05 Oct 2018 08:38

Tgt Ion: 97 Resp: 5529
Ion Ratio Lower Upper
97 100
99 63.1 50.9 76.3
61 46.0 38.2 57.4





#31

Carbon tetrachloride

Concen: 3.500 ug/L

RT: 5.14 min Scan# 1233

Delta R.T. -0.00 min

Lab File: VU027439.D

Acq: 05 Oct 2018 08:38

Instrument :

MSVOA_U

ClientSampleId :

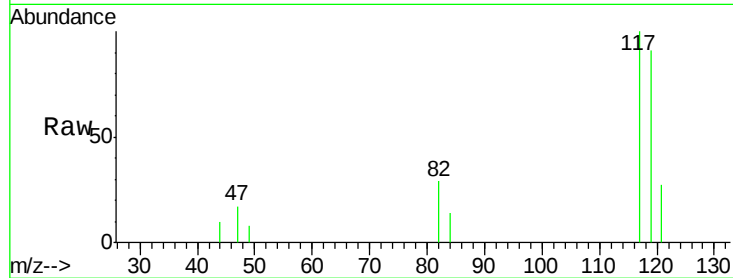
VSTD00551

Tgt Ion:117 Resp: 4359

Ion Ratio Lower Upper

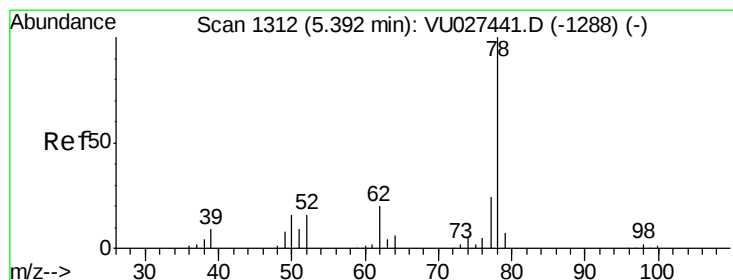
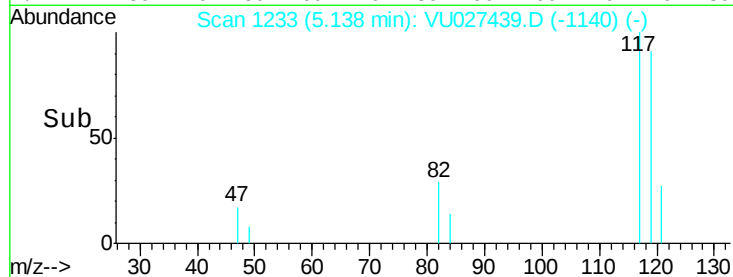
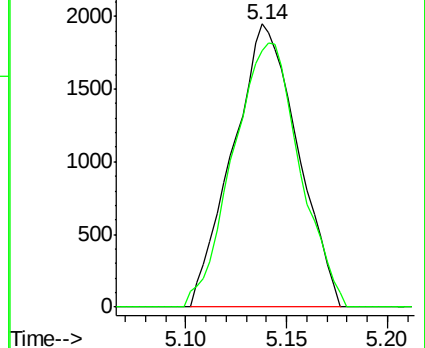
117 100

119 96.0 76.8 115.2



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#33

Benzene

Concen: 3.415 ug/L

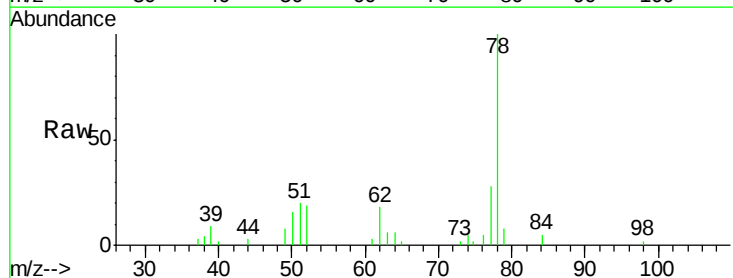
RT: 5.40 min Scan# 1313

Delta R.T. 0.00 min

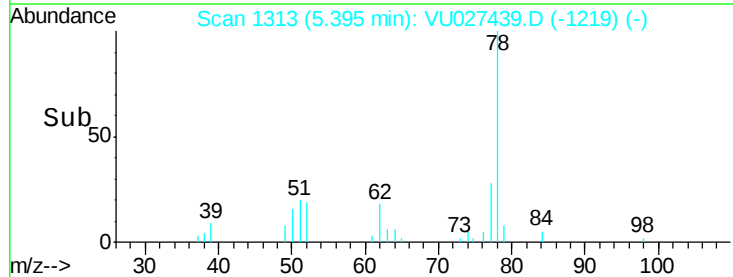
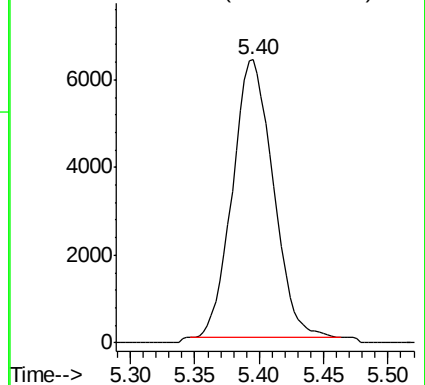
Lab File: VU027439.D

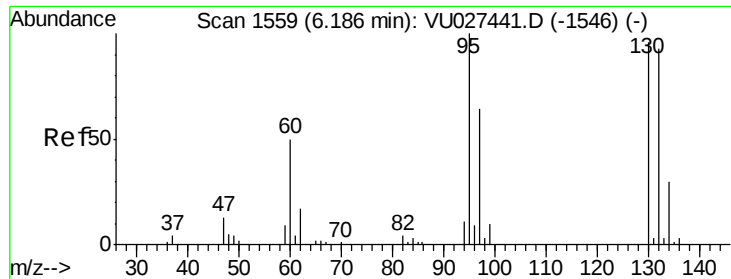
Acq: 05 Oct 2018 08:38

Tgt Ion: 78 Resp: 13889



Abundance Ion 78.00 (77.70 to 78.70): VU0

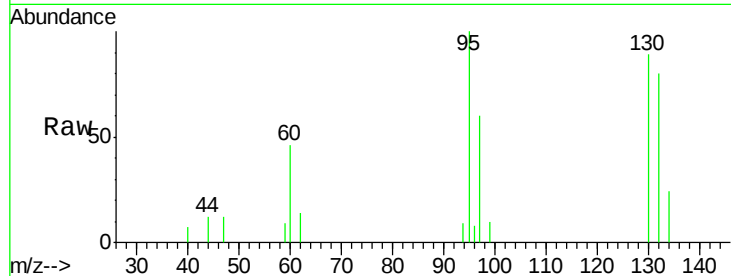




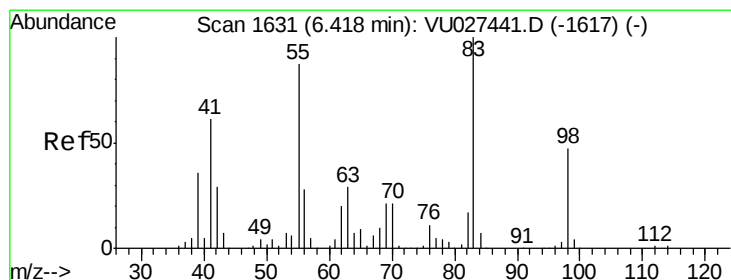
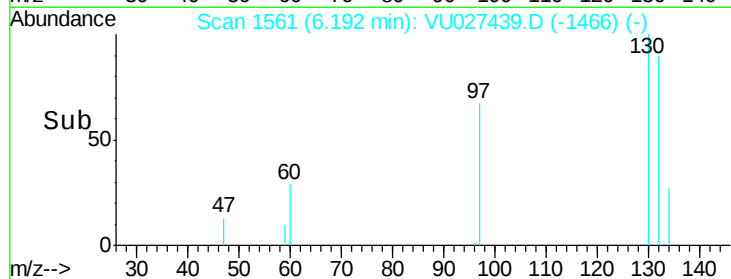
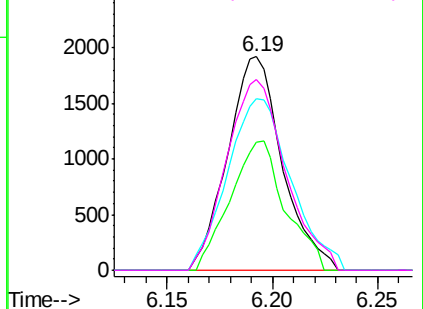
#34
 Trichloroethene
 Concen: 3.535 ug/L
 RT: 6.19 min Scan# 1561
 Delta R.T. 0.01 min
 Lab File: VU027439.D
 Acq: 05 Oct 2018 08:38

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00551

Tgt Ion: 95 Resp: 3458
 Ion Ratio Lower Upper
 95 100
 97 59.6 44.9 83.3
 132 80.1 64.8 120.4
 130 89.5 67.1 124.7

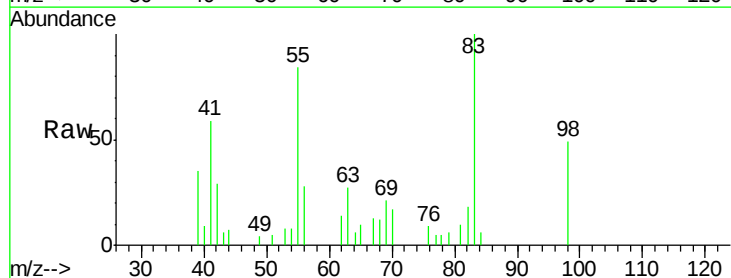


Abundance Ion 95.00 (94.70 to 95.70): VU0
 Ion 97.00 (96.70 to 97.70): VU0
 Ion 132.00 (131.70 to 132.70): V
 Ion 130.00 (129.70 to 130.70): V

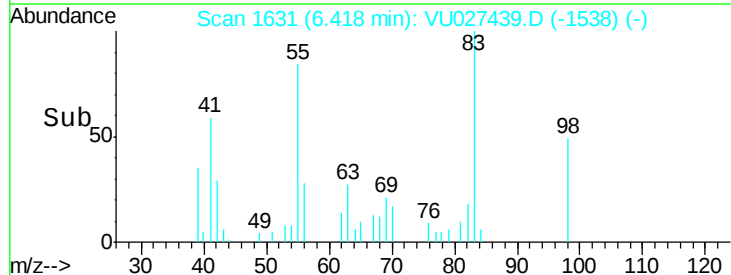
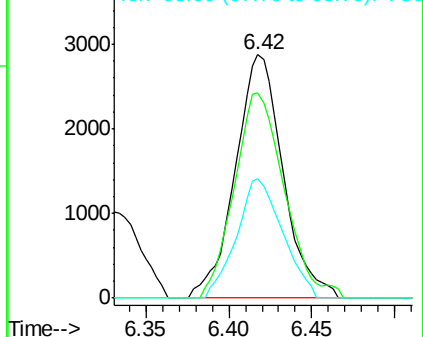


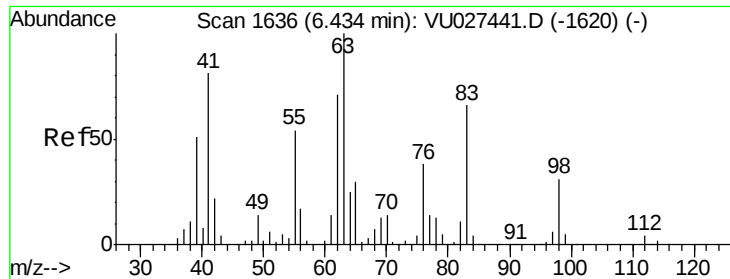
#35
 Methylcyclohexane
 Concen: 3.387 ug/L
 RT: 6.42 min Scan# 1631
 Delta R.T. -0.00 min
 Lab File: VU027439.D
 Acq: 05 Oct 2018 08:38

Tgt Ion: 83 Resp: 5756
 Ion Ratio Lower Upper
 83 100
 55 87.1 69.9 104.9
 98 47.2 37.1 55.7



Abundance Ion 83.00 (82.70 to 83.70): VU0
 Ion 55.00 (54.70 to 55.70): VU0
 Ion 98.00 (97.70 to 98.70): VU0

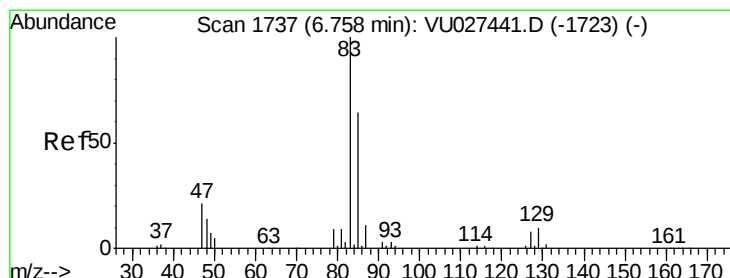
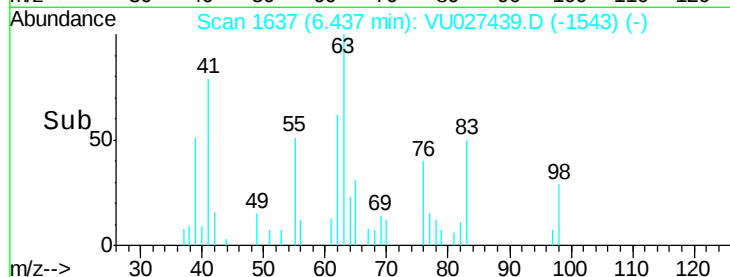
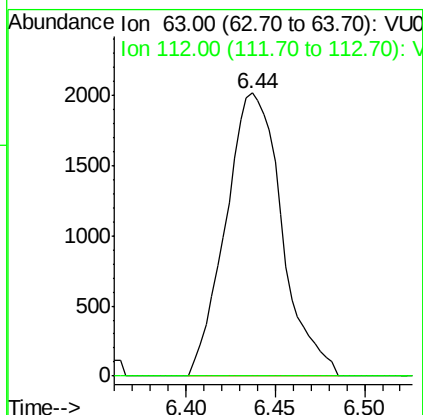
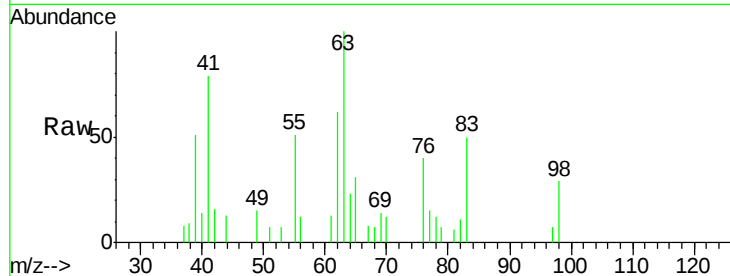




#37
 1,2-Dichloropropane
 Concen: 3.763 ug/L
 RT: 6.44 min Scan# 1637
 Delta R.T. 0.00 min
 Lab File: VU027439.D
 Acq: 05 Oct 2018 08:38

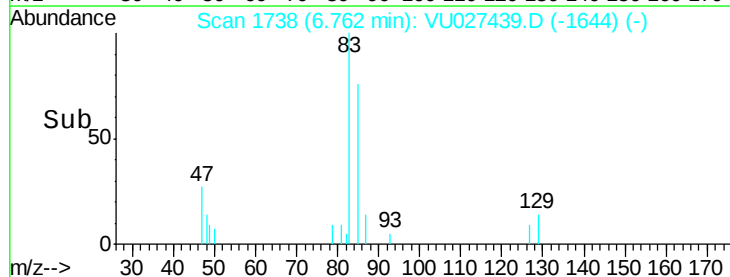
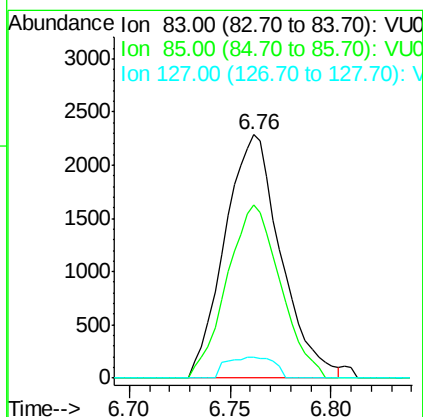
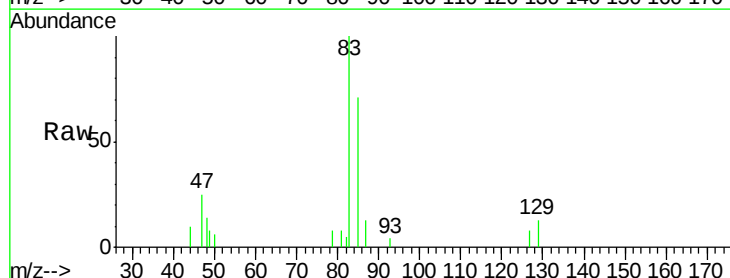
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00551

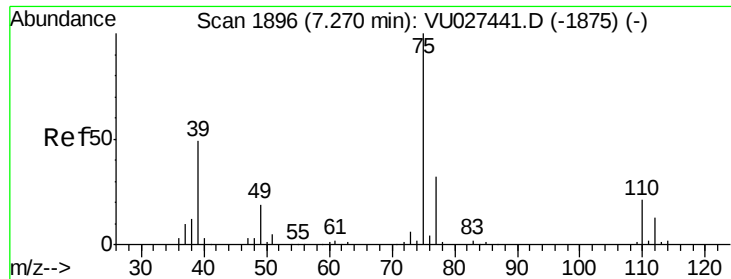
Tgt Ion: 63 Resp: 4434
 Ion Ratio Lower Upper
 63 100
 112 0.0 2.9 4.3#



#38
 Bromodichloromethane
 Concen: 3.310 ug/L
 RT: 6.76 min Scan# 1738
 Delta R.T. 0.00 min
 Lab File: VU027439.D
 Acq: 05 Oct 2018 08:38

Tgt Ion: 83 Resp: 4432
 Ion Ratio Lower Upper
 83 100
 85 71.2 45.1 83.7
 127 8.4 6.3 9.5

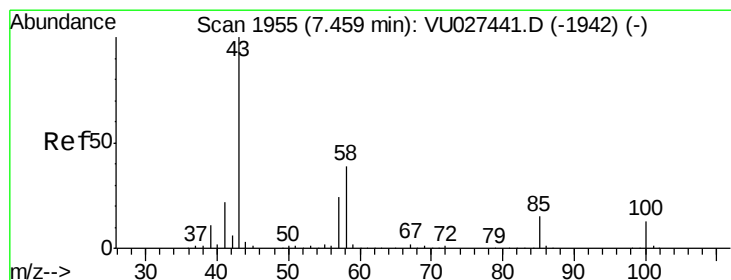
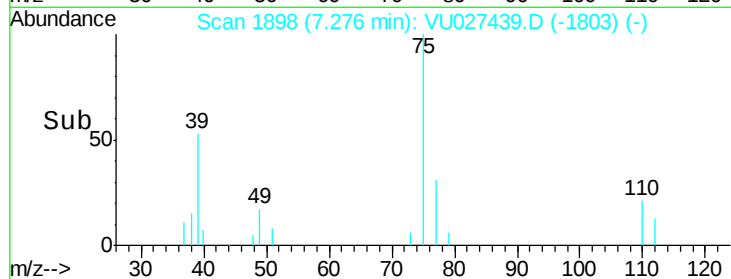
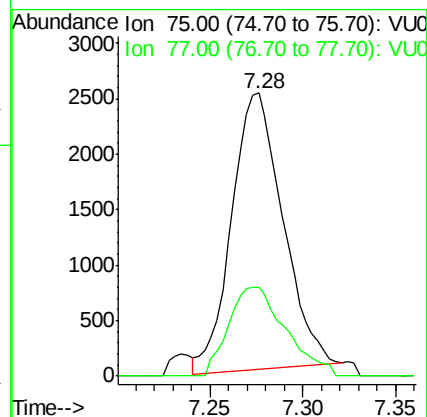
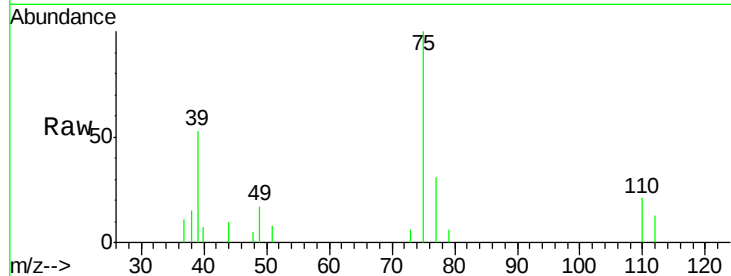




#39
 cis-1,3-Dichloropropene
 Concen: 2.754 ug/L
 RT: 7.28 min Scan# 1898
 Delta R.T. 0.01 min
 Lab File: VU027439.D
 Acq: 05 Oct 2018 08:38

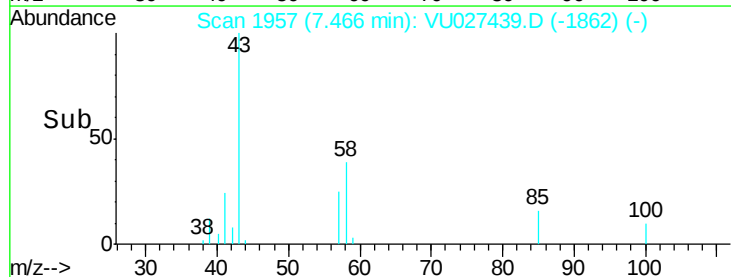
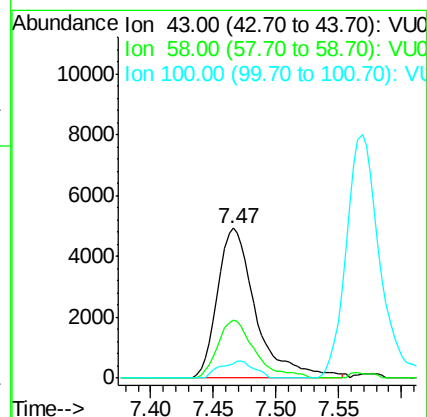
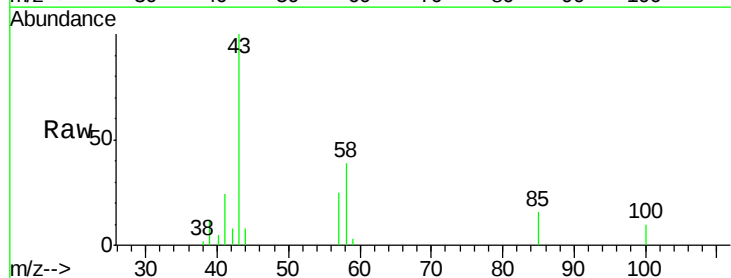
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00551

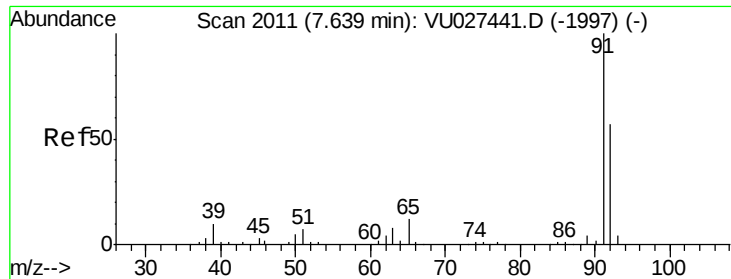
Tgt Ion: 75 Resp: 4769
 Ion Ratio Lower Upper
 75 100
 77 31.3 22.1 41.1



#40
 4-Methyl-2-pentanone
 Concen: 6.087 ug/L
 RT: 7.47 min Scan# 1957
 Delta R.T. 0.01 min
 Lab File: VU027439.D
 Acq: 05 Oct 2018 08:38

Tgt Ion: 43 Resp: 10504
 Ion Ratio Lower Upper
 43 100
 58 37.3 30.7 46.1
 100 9.9 10.2 15.4#





#42

Toluene

Concen: 3.384 ug/L

RT: 7.64 min Scan# 2011

Delta R.T. -0.00 min

Lab File: VU027439.D

Acq: 05 Oct 2018 08:38

Instrument :

MSVOA_U

ClientSampleId :

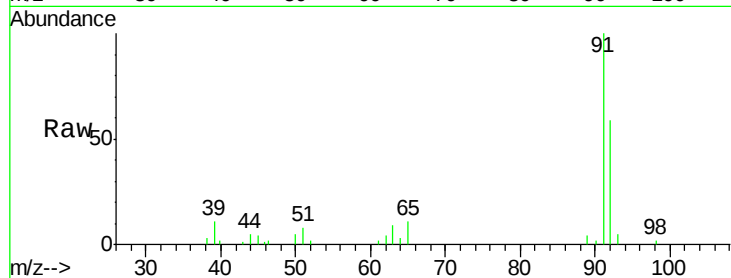
VSTD00551

Tgt Ion: 91 Resp: 13811

Ion Ratio Lower Upper

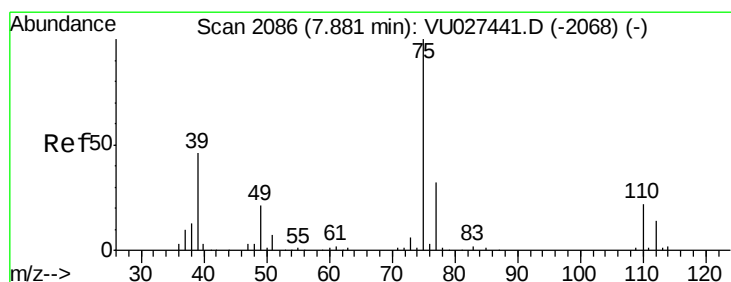
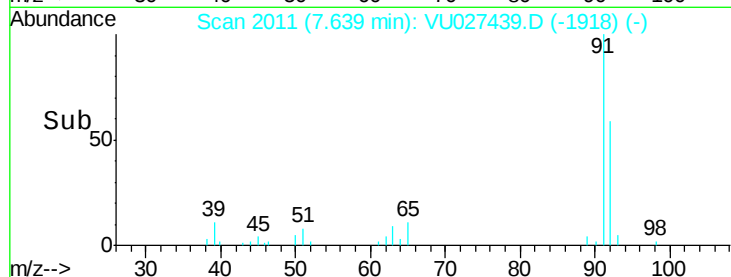
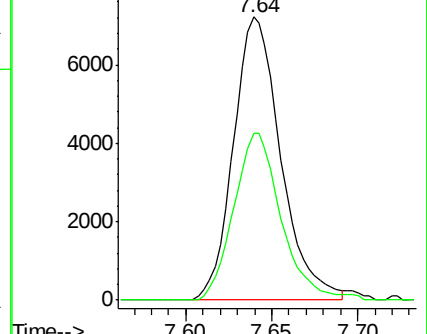
91 100

92 59.2 40.2 74.6



Abundance Ion 91.00 (90.70 to 91.70): VU027441.D (-1997) (-)

Ion 92.00 (91.70 to 92.70): VU027441.D (-1997) (-)



#44

trans-1,3-Dichloropropene

Concen: 3.134 ug/L

RT: 7.88 min Scan# 2087

Delta R.T. 0.00 min

Lab File: VU027439.D

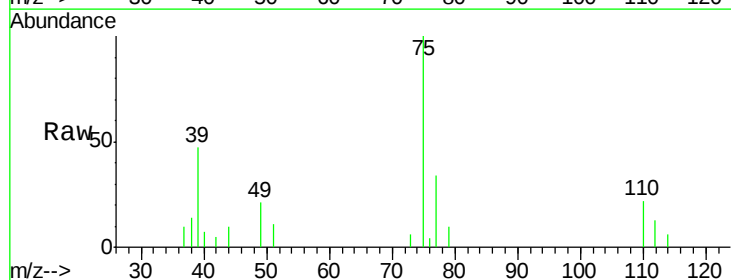
Acq: 05 Oct 2018 08:38

Tgt Ion: 75 Resp: 5037

Ion Ratio Lower Upper

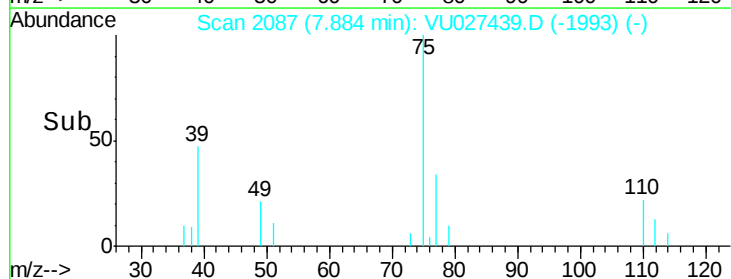
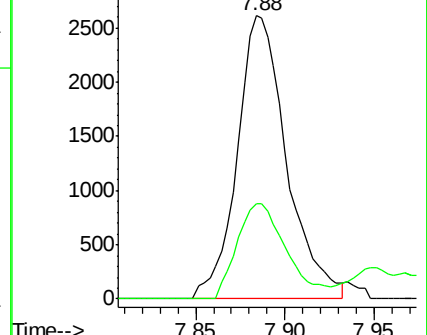
75 100

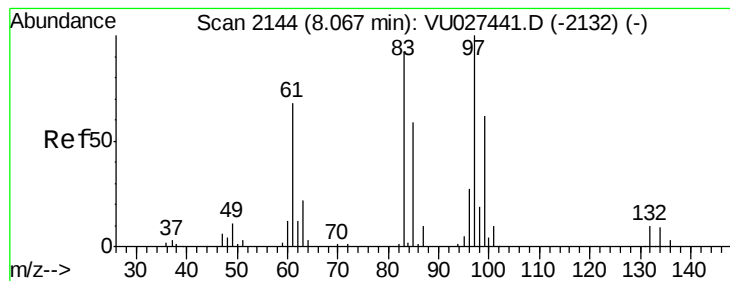
77 33.8 22.2 41.2



Abundance Ion 75.00 (74.70 to 75.70): VU027441.D (-2068) (-)

Ion 77.00 (76.70 to 77.70): VU027441.D (-2068) (-)





#45

1,1,2-Trichloroethane

Concen: 3.726 ug/L

RT: 8.07 min Scan# 2146

Delta R.T. 0.01 min

Lab File: VU027439.D

Acq: 05 Oct 2018 08:38

Instrument :

MSVOA_U

ClientSampleId :

VSTD00551

Tgt Ion: 97 Resp: 3525

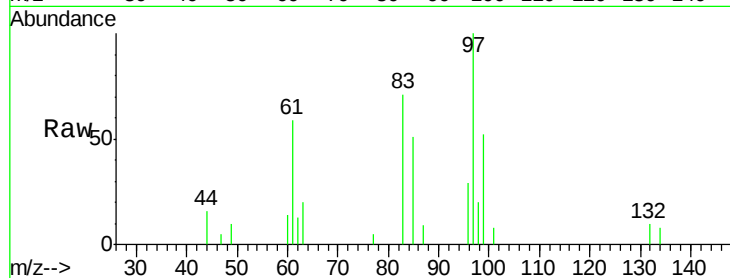
Ion Ratio Lower Upper

97 100

99 52.1 43.2 80.2

83 70.5 64.3 119.5

85 51.1 41.0 76.2

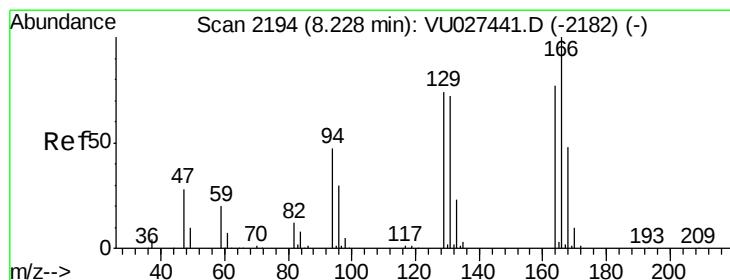
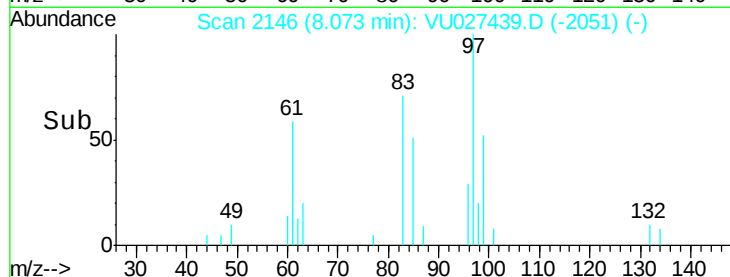
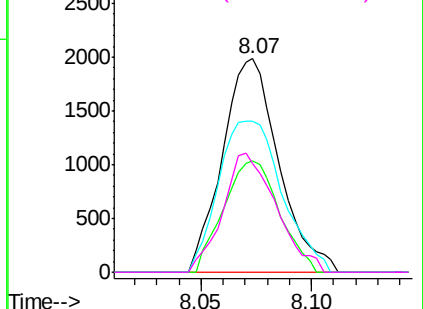


Abundance Ion 97.00 (96.70 to 97.70): VU0

Ion 99.00 (98.70 to 99.70): VU0

Ion 83.00 (82.70 to 83.70): VU0

Ion 85.00 (84.70 to 85.70): VU0



#46

Tetrachloroethene

Concen: 3.520 ug/L

RT: 8.23 min Scan# 2194

Delta R.T. -0.00 min

Lab File: VU027439.D

Acq: 05 Oct 2018 08:38

Tgt Ion: 164 Resp: 2559

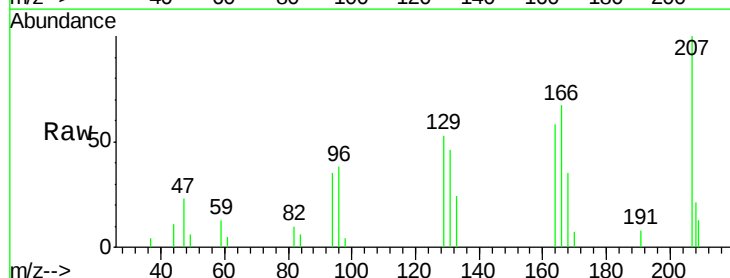
Ion Ratio Lower Upper

164 100

129 91.8 67.0 124.4

131 78.9 65.1 120.9

166 115.2 90.4 167.8

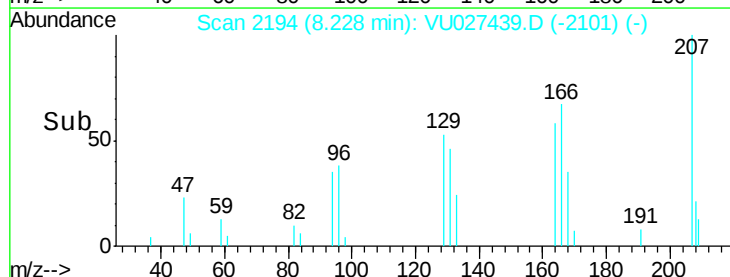
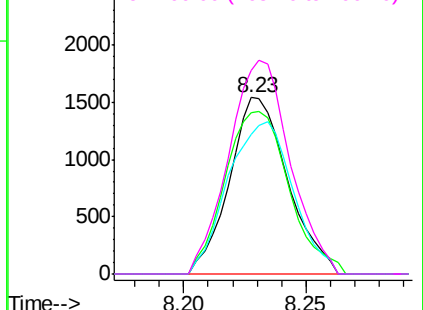


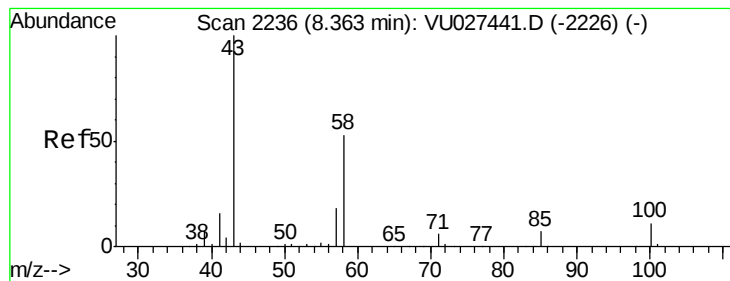
Abundance Ion 164.00 (163.70 to 164.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V

Ion 166.00 (165.70 to 166.70): V





#48

2-Hexanone

Concen: 5.793 ug/L

RT: 8.37 min Scan# 2238

Delta R.T. 0.01 min

Lab File: VU027439.D

Acq: 05 Oct 2018 08:38

Instrument :

MSVOA_U

ClientSampled :

VSTD00551

Tgt Ion: 43 Resp: 7893

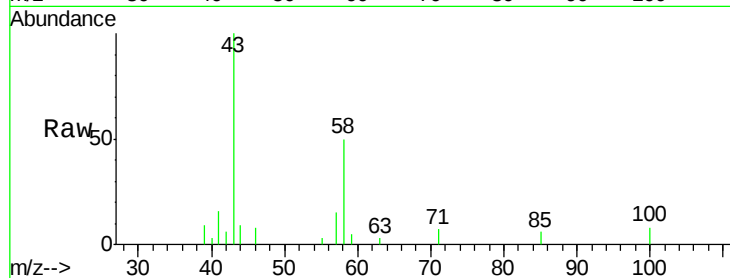
Ion Ratio Lower Upper

43 100

58 59.6 42.7 64.1

57 18.2 14.5 21.7

100 9.0 8.2 12.2

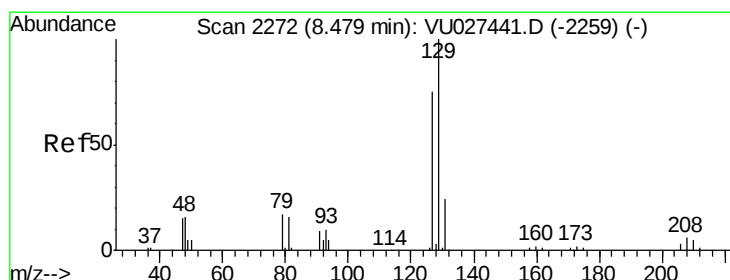
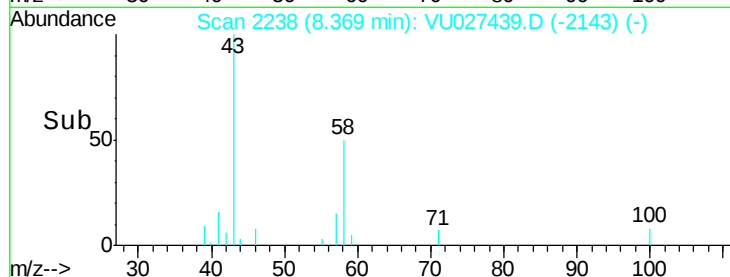
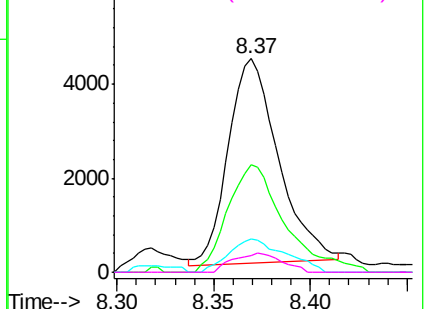


Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0

Ion 57.00 (56.70 to 57.70): VU0

Ion 100.00 (99.70 to 100.70): VU0



#49

Dibromochloromethane

Concen: 3.384 ug/L

RT: 8.48 min Scan# 2272

Delta R.T. -0.00 min

Lab File: VU027439.D

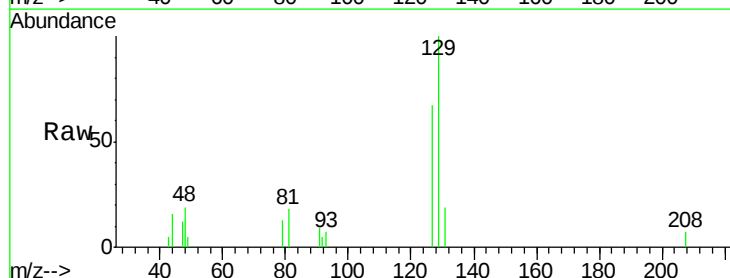
Acq: 05 Oct 2018 08:38

Tgt Ion: 129 Resp: 3338

Ion Ratio Lower Upper

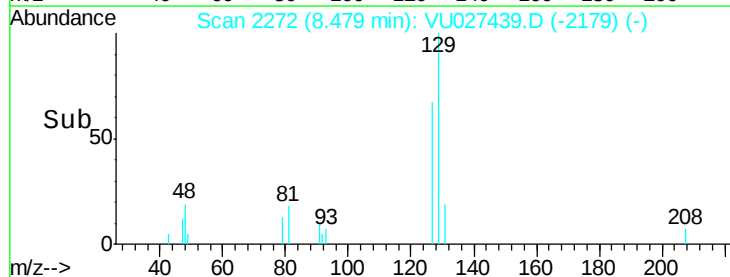
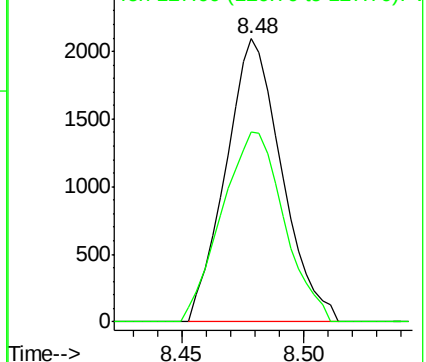
129 100

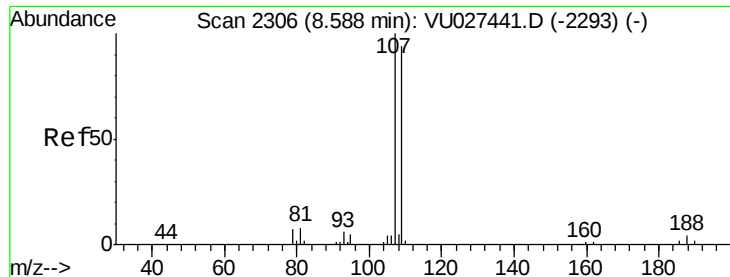
127 67.0 52.7 97.9



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V

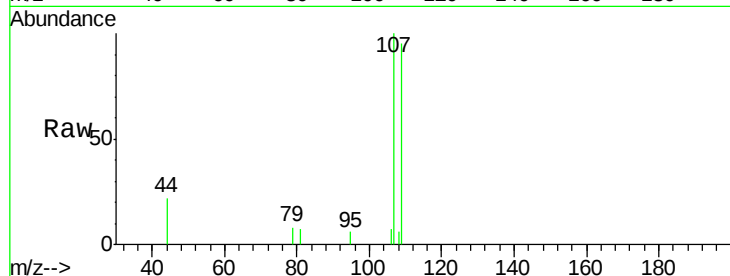




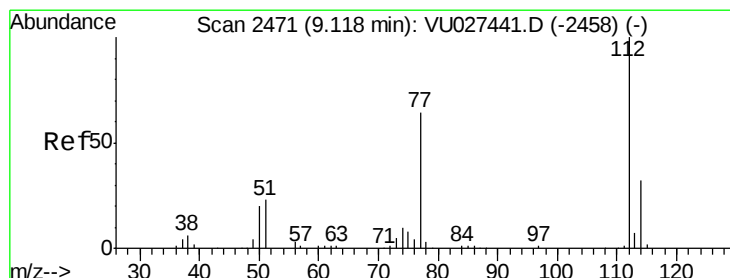
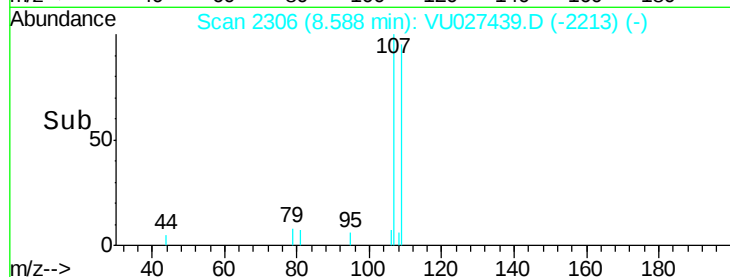
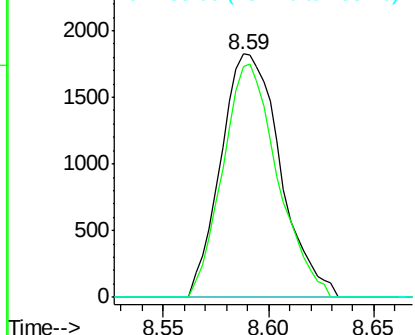
#50
1,2-Dibromoethane
Concen: 3.566 ug/L
RT: 8.59 min Scan# 2306
Delta R.T. 0.00 min
Lab File: VU027439.D
Acq: 05 Oct 2018 08:38

Instrument :
MSVOA_U
ClientSampleId :
VSTD00551

Tgt Ion:107 Resp: 3579
Ion Ratio Lower Upper
107 100
109 95.0 65.5 121.6
188 0.0 3.0 4.6#

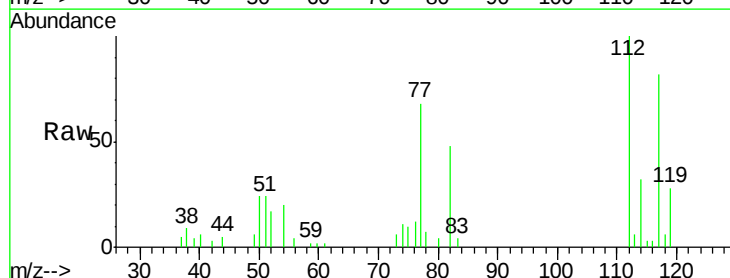


Abundance Ion 107.00 (106.70 to 107.70): V
Ion 109.00 (108.70 to 109.70): V
Ion 188.00 (187.70 to 188.70): V

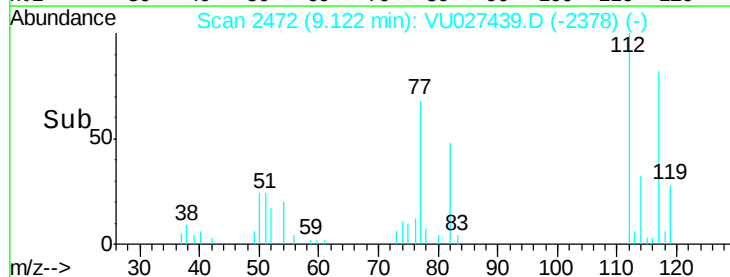
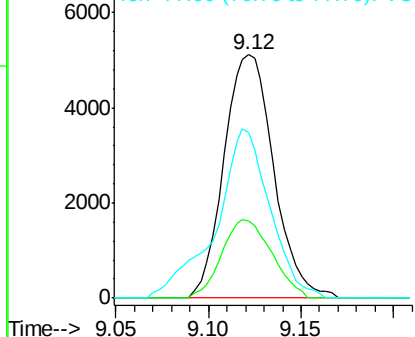


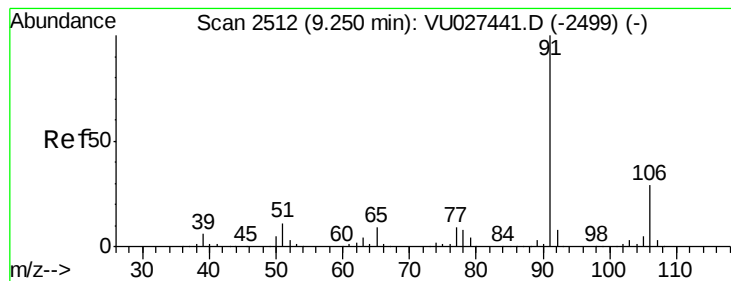
#51
Chlorobenzene
Concen: 3.691 ug/L
RT: 9.12 min Scan# 2472
Delta R.T. 0.00 min
Lab File: VU027439.D
Acq: 05 Oct 2018 08:38

Tgt Ion:112 Resp: 9523
Ion Ratio Lower Upper
112 100
114 31.7 22.3 41.5
77 67.9 51.7 77.5



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





#52

Ethylbenzene

Concen: 3.251 ug/L

RT: 9.25 min Scan# 2513

Delta R.T. 0.00 min

Lab File: VU027439.D

Acq: 05 Oct 2018 08:38

Instrument :

MSVOA_U

ClientSampleId :

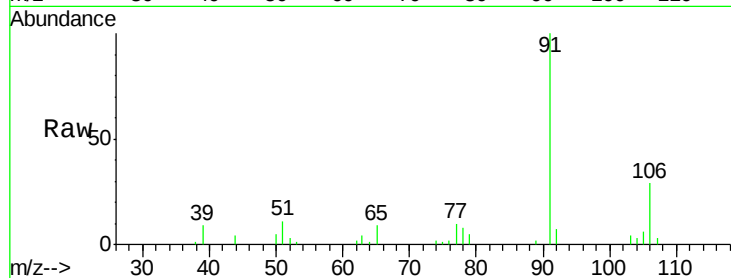
VSTD00551

Tgt Ion: 91 Resp: 14732

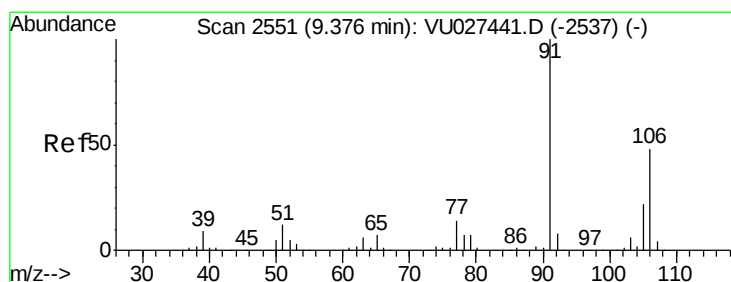
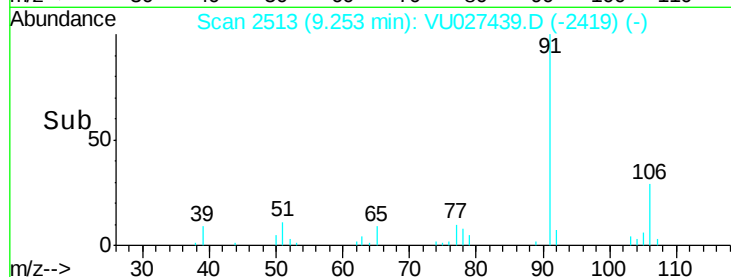
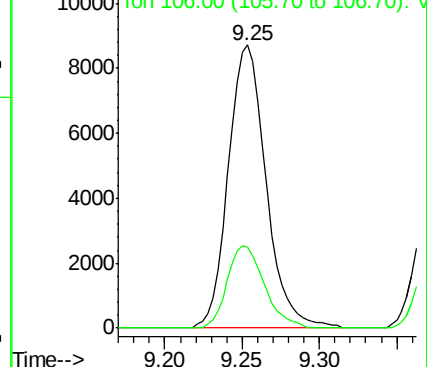
Ion Ratio Lower Upper

91 100

106 28.8 20.6 38.4



Abundance Ion 91.00 (90.70 to 91.70): VU027441.D (-2499) (-)



#53

m,p-Xylene

Concen: 3.221 ug/L

RT: 9.38 min Scan# 2552

Delta R.T. 0.00 min

Lab File: VU027439.D

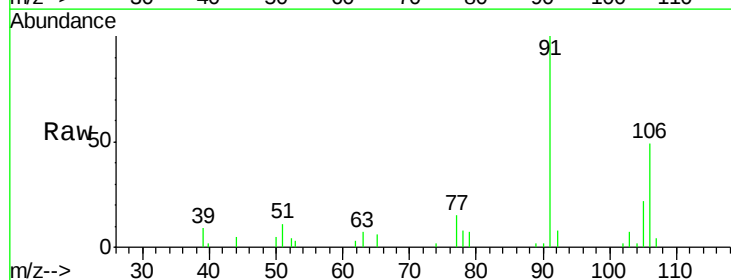
Acq: 05 Oct 2018 08:38

Tgt Ion: 106 Resp: 5342

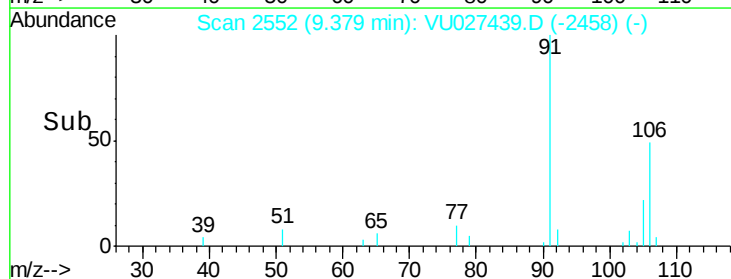
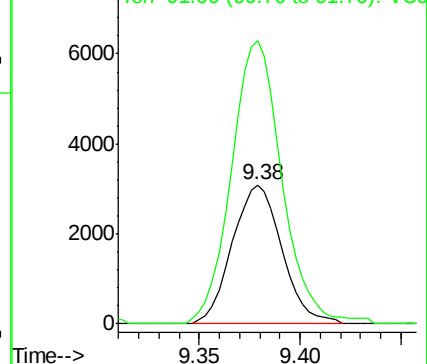
Ion Ratio Lower Upper

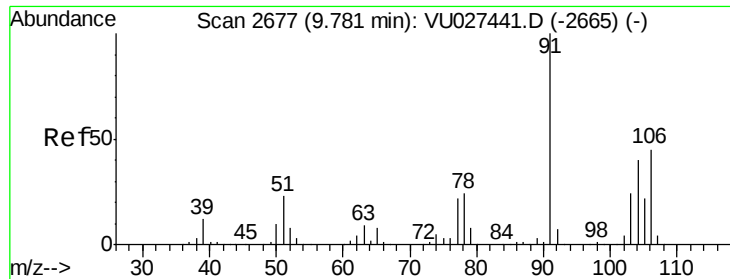
106 100

91 203.3 145.0 269.4



Abundance Ion 106.00 (105.70 to 106.70): VU027439.D (-2419) (-)





#54

o-xylene

Concen: 2.983 ug/L

RT: 9.78 min Scan# 2677

Delta R.T. -0.00 min

Lab File: VU027439.D

Acq: 05 Oct 2018 08:38

Instrument :

MSVOA_U

ClientSampleId :

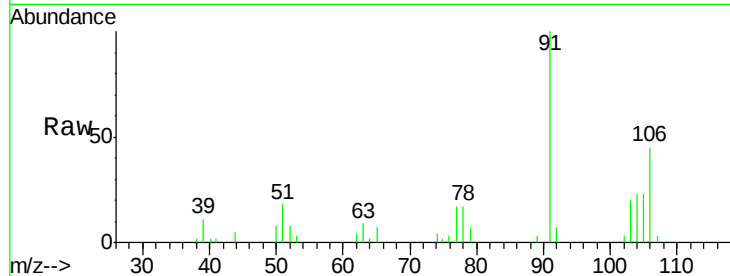
VSTD00551

Tgt Ion:106 Resp: 4766

Ion Ratio Lower Upper

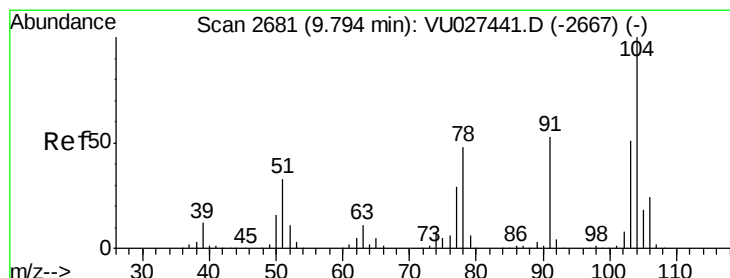
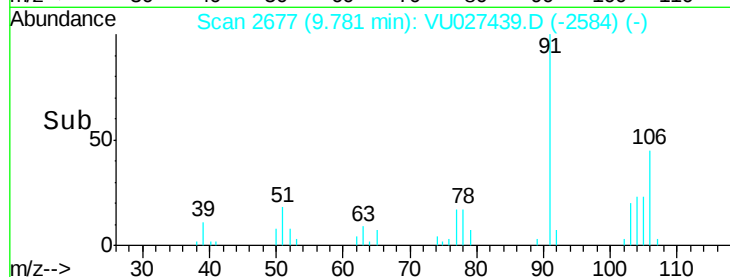
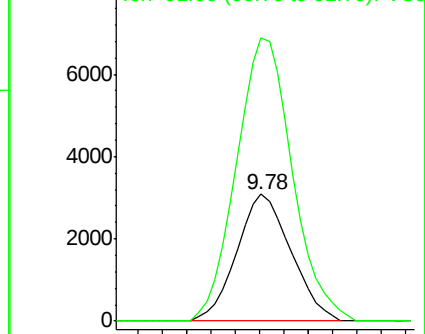
106 100

91 223.2 154.8 287.4



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0



#55

Styrene

Concen: 2.842 ug/L

RT: 9.80 min Scan# 2682

Delta R.T. 0.00 min

Lab File: VU027439.D

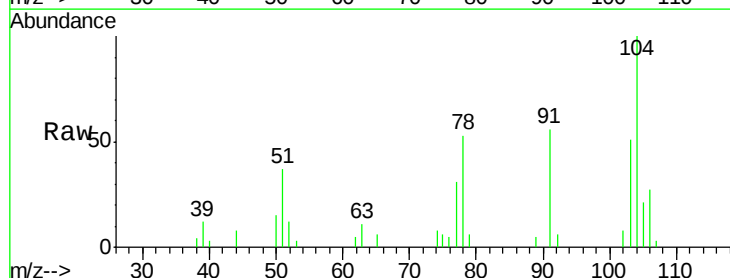
Acq: 05 Oct 2018 08:38

Tgt Ion:104 Resp: 7777

Ion Ratio Lower Upper

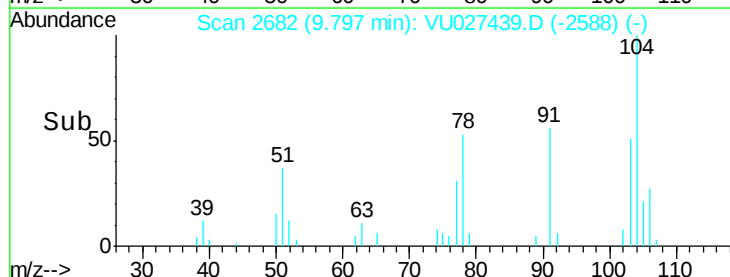
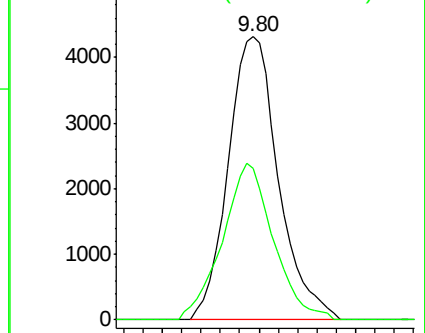
104 100

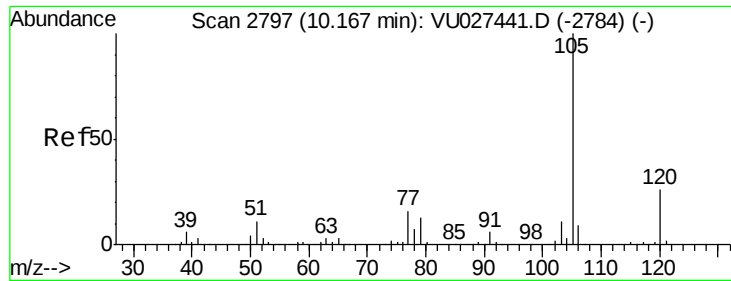
78 53.4 33.6 62.4



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VU0





#56

Isopropylbenzene

Concen: 2.983 ug/L

RT: 10.17 min Scan# 2798

Delta R.T. 0.00 min

Lab File: VU027439.D

Acq: 05 Oct 2018 08:38

Instrument :

MSVOA_U

ClientSampleId :

VSTD00551

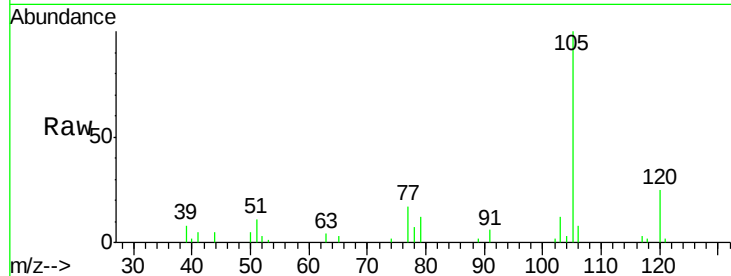
Tgt Ion: 105 Resp: 12490

Ion Ratio Lower Upper

105 100

120 25.3 20.6 30.8

77 18.0 13.0 19.4

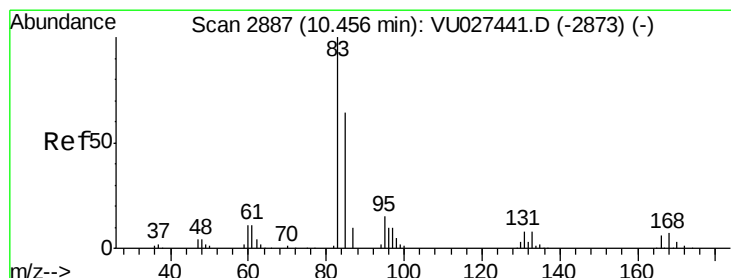
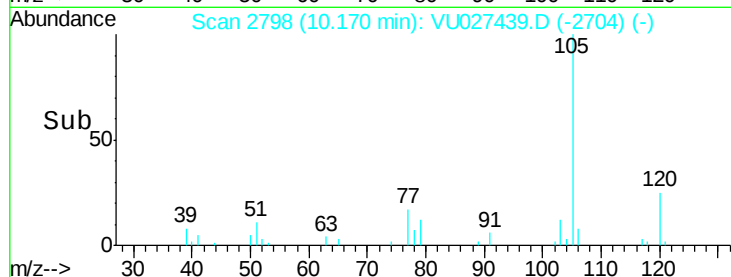


Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): V

Time--> 10.10 10.15 10.20



#58

1,1,2,2-Tetrachloroethane

Concen: 3.562 ug/L

RT: 10.46 min Scan# 2889

Delta R.T. 0.01 min

Lab File: VU027439.D

Acq: 05 Oct 2018 08:38

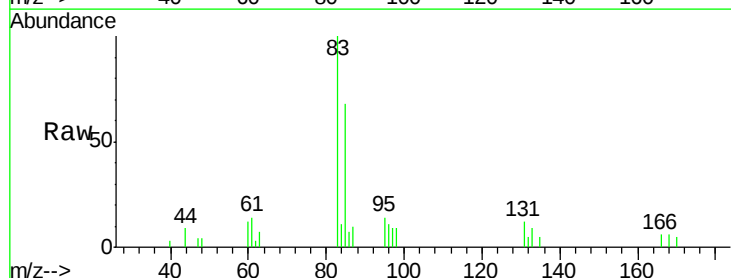
Tgt Ion: 83 Resp: 5904

Ion Ratio Lower Upper

83 100

85 68.0 45.2 84.0

131 11.7 6.7 10.1#

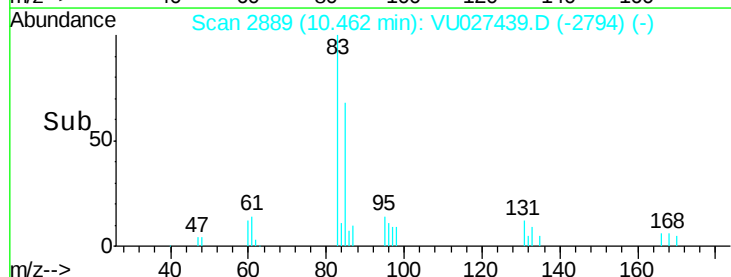


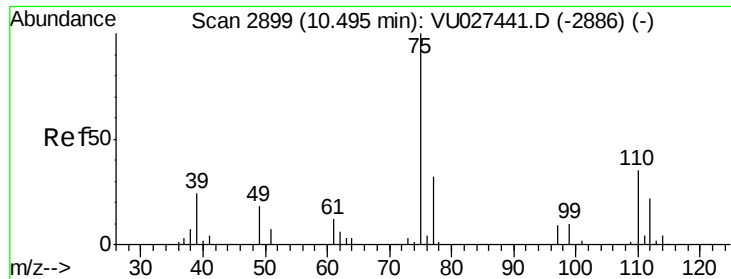
Abundance Ion 83.00 (82.70 to 83.70): V

Ion 85.00 (84.70 to 85.70): V

Ion 131.00 (130.70 to 131.70): V

Time--> 10.40 10.45 10.50

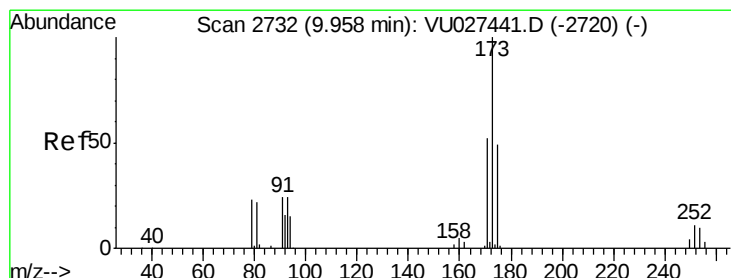
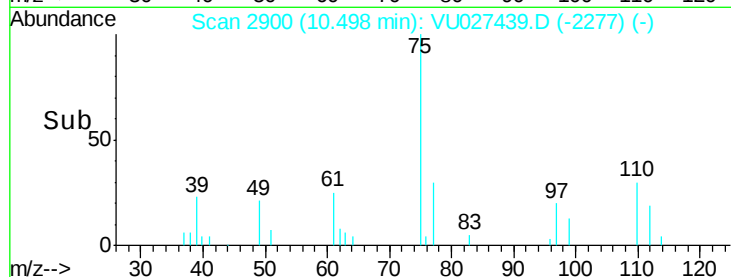
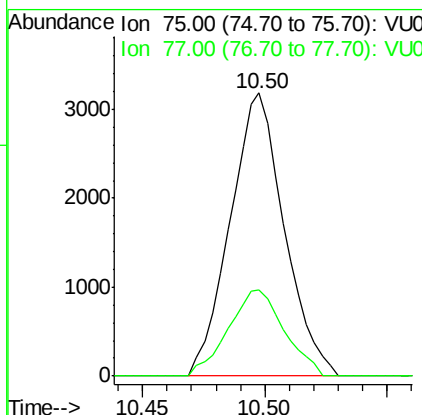
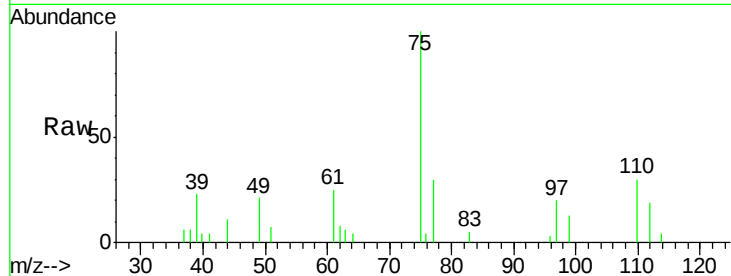




#59
 1,2,3-Trichloropropane
 Concen: 3.666 ug/L
 RT: 10.50 min Scan# 2900
 Delta R.T. 0.00 min
 Lab File: VU027439.D
 Acq: 05 Oct 2018 08:38

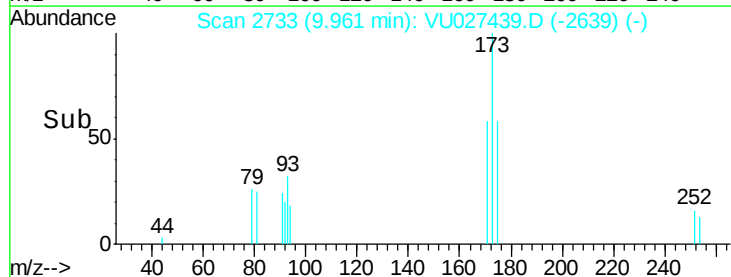
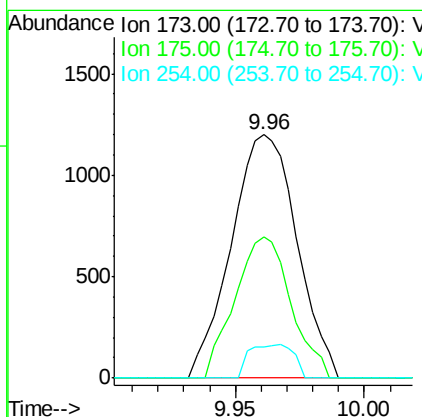
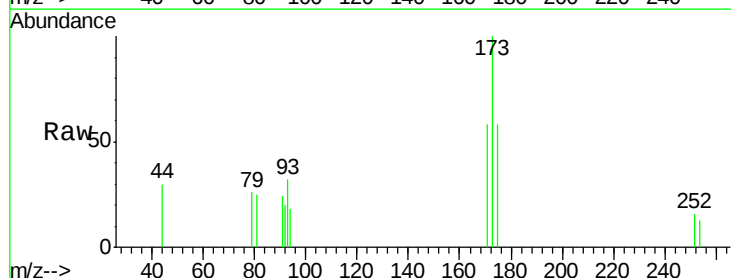
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00551

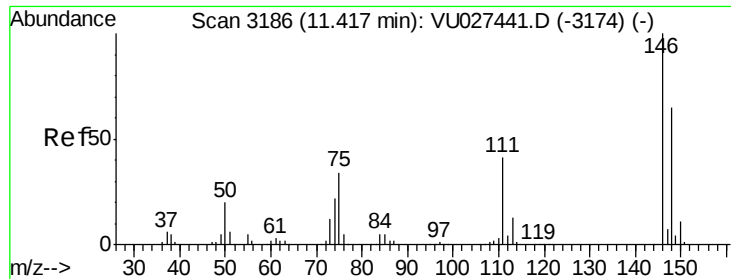
Tgt Ion: 75 Resp: 4891
 Ion Ratio Lower Upper
 75 100
 77 31.4 25.7 38.5



#61
 Bromoform
 Concen: 3.176 ug/L
 RT: 9.96 min Scan# 2733
 Delta R.T. 0.00 min
 Lab File: VU027439.D
 Acq: 05 Oct 2018 08:38

Tgt Ion: 173 Resp: 2126
 Ion Ratio Lower Upper
 173 100
 175 49.3 39.0 58.4
 254 9.4 8.3 12.5

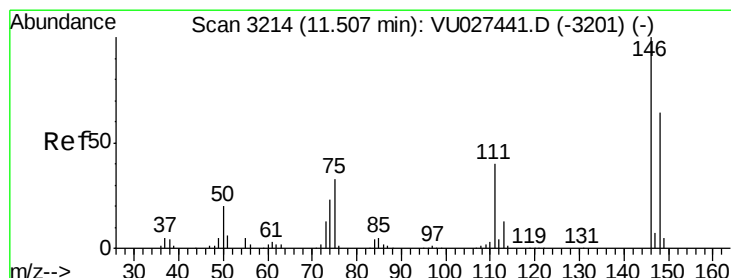
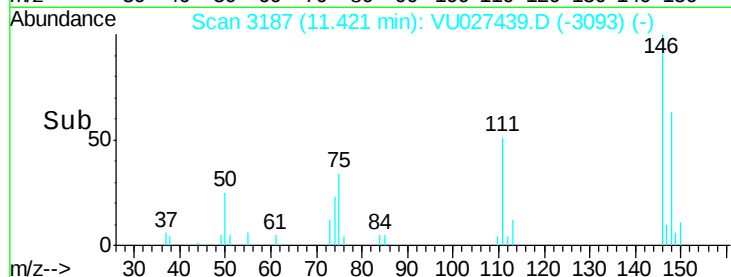
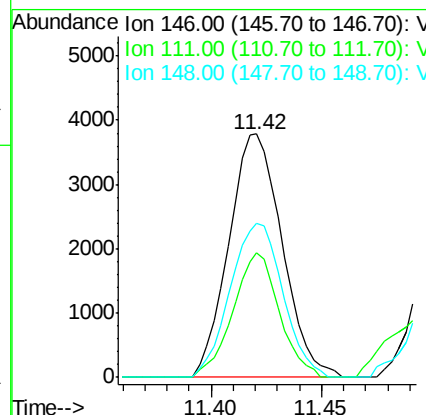
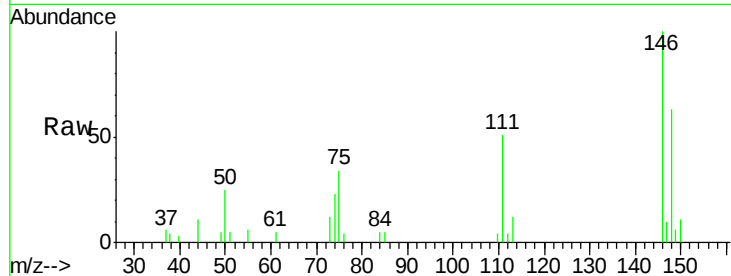




#62
 1,3-Dichlorobenzene
 Concen: 3.466 ug/L
 RT: 11.42 min Scan# 3187
 Delta R.T. 0.00 min
 Lab File: VU027439.D
 Acq: 05 Oct 2018 08:38

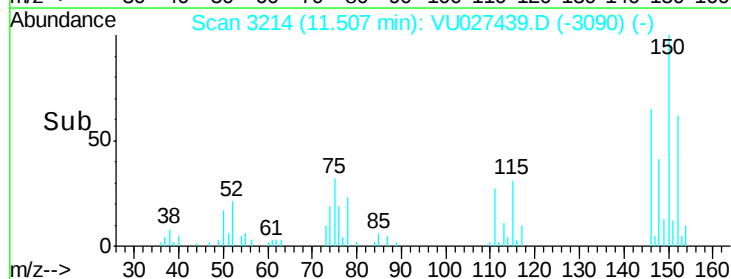
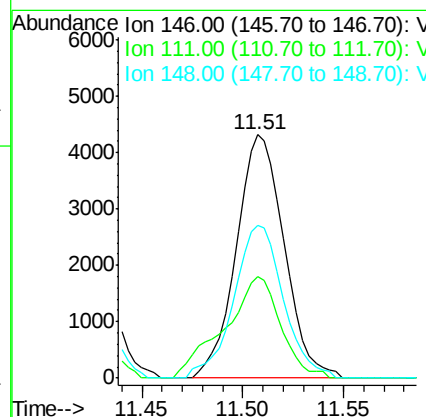
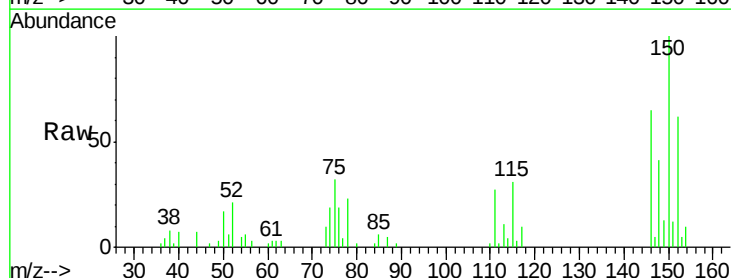
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00551

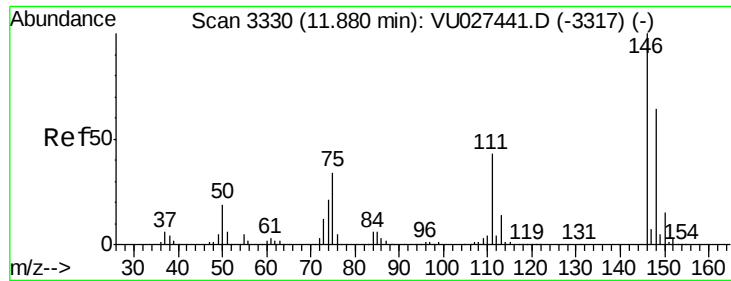
Tgt Ion:146 Resp: 6355
 Ion Ratio Lower Upper
 146 100
 111 51.1 29.0 53.8
 148 63.3 45.4 84.2



#63
 1,4-Dichlorobenzene
 Concen: 3.748 ug/L
 RT: 11.51 min Scan# 3214
 Delta R.T. -0.00 min
 Lab File: VU027439.D
 Acq: 05 Oct 2018 08:38

Tgt Ion:146 Resp: 7168
 Ion Ratio Lower Upper
 146 100
 111 41.8 28.1 52.1
 148 62.8 44.4 82.5





#65

1,2-Dichlorobenzene

Concen: 3.473 ug/L

RT: 11.88 min Scan# 3330

Delta R.T. -0.00 min

Lab File: VU027439.D

Acq: 05 Oct 2018 08:38

Instrument :

MSVOA_U

ClientSampleId :

VSTD00551

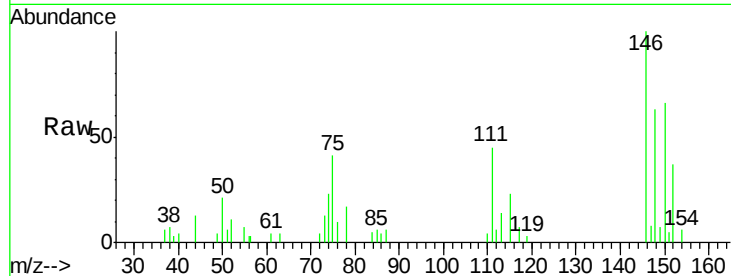
Tgt Ion:146 Resp: 6482

Ion Ratio Lower Upper

146 100

111 45.0 34.9 52.3

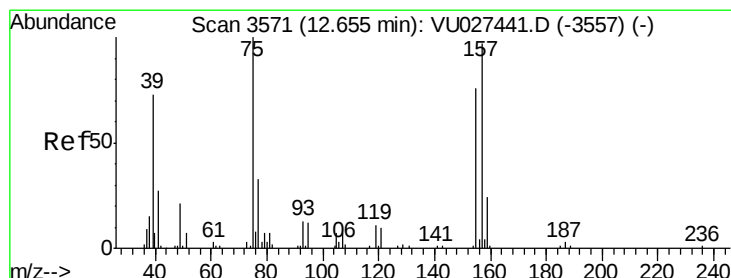
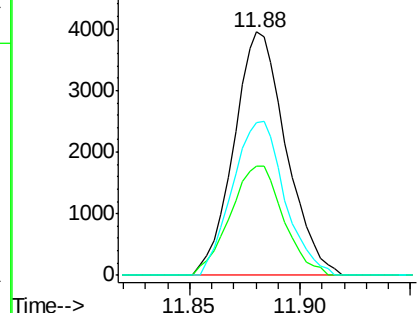
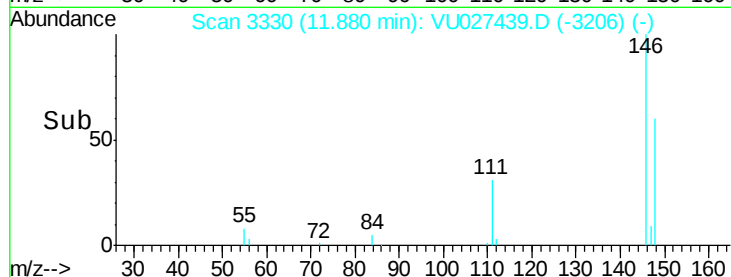
148 62.7 51.6 77.4



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#66

1,2-Dibromo-3-chloropropane

Concen: 3.000 ug/L

RT: 12.66 min Scan# 3572

Delta R.T. 0.00 min

Lab File: VU027439.D

Acq: 05 Oct 2018 08:38

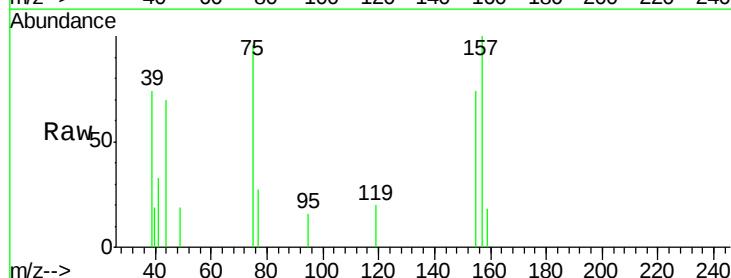
Tgt Ion: 75 Resp: 1038

Ion Ratio Lower Upper

75 100

155 76.8 61.0 91.6

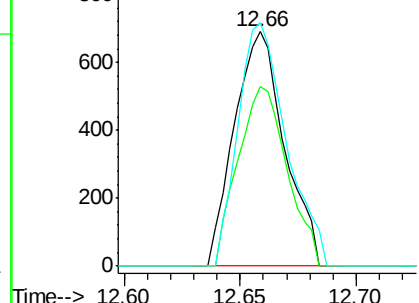
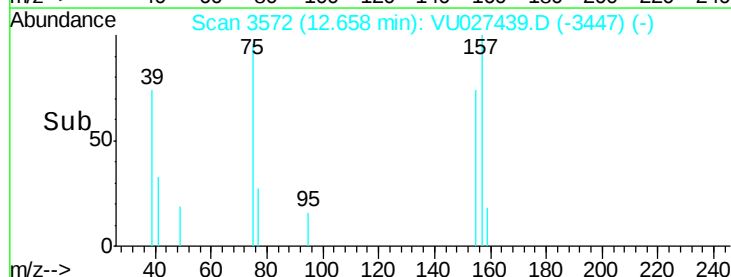
157 103.9 77.8 116.8

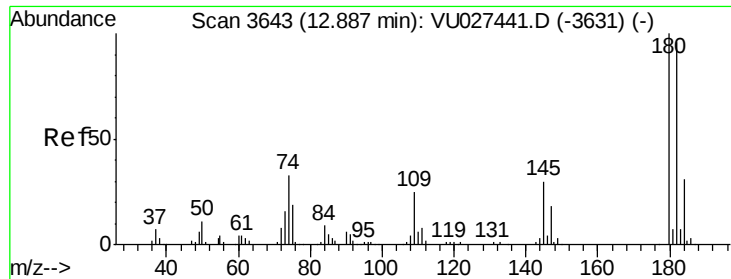


Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

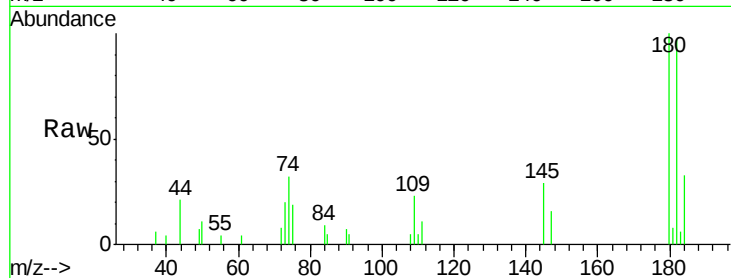




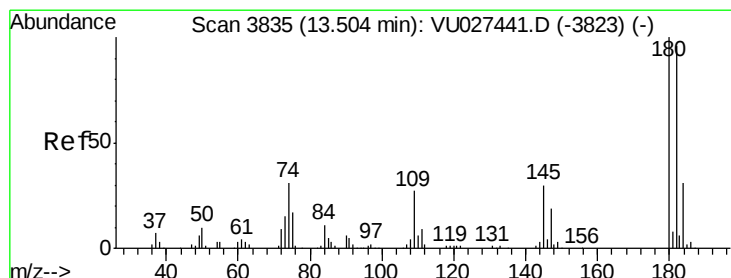
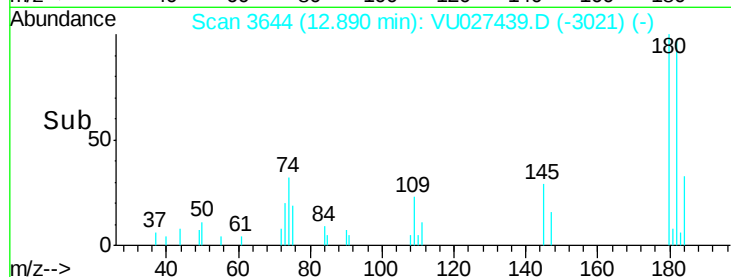
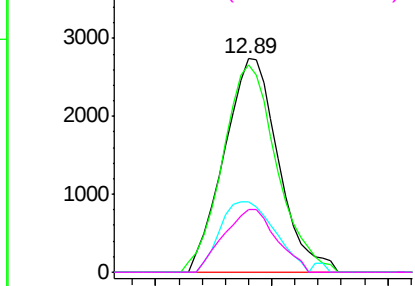
#67
 1,3,5-Trichlorobenzene
 Concen: 3.126 ug/L
 RT: 12.89 min Scan# 3644
 Delta R.T. 0.00 min
 Lab File: VU027439.D
 Acq: 05 Oct 2018 08:38

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00551

Tgt Ion:180 Resp: 4429
 Ion Ratio Lower Upper
 180 100
 182 97.3 76.7 115.1
 184 33.3 24.5 36.7
 145 28.4 23.8 35.8

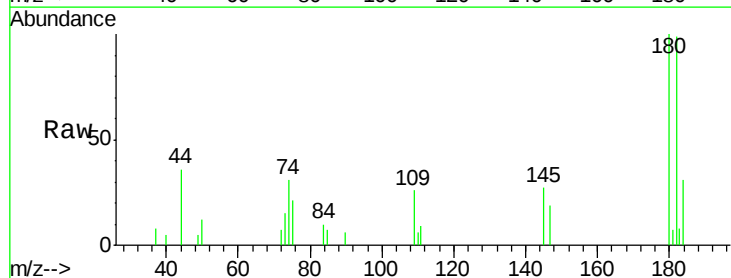


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

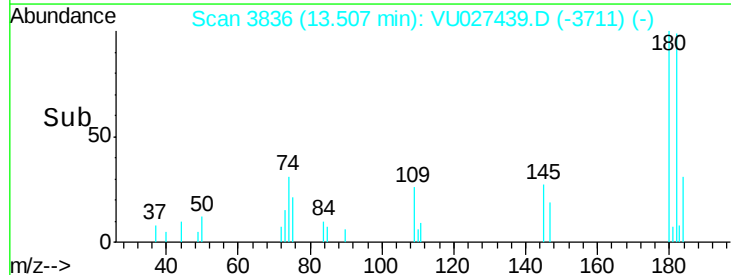
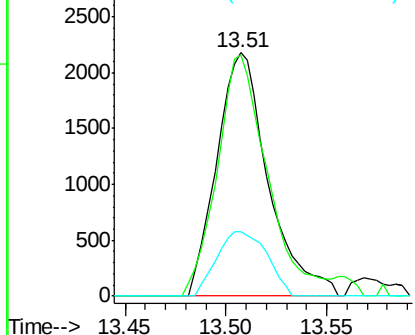


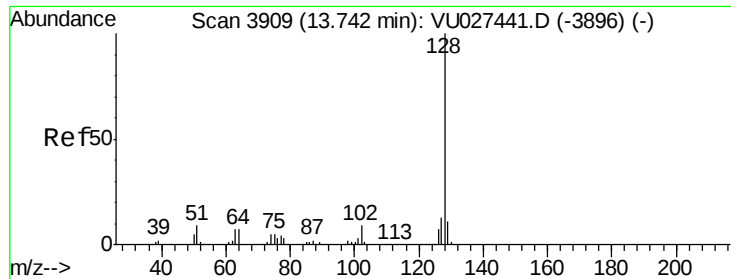
#68
 1,2,4-trichlorobenzene
 Concen: 2.970 ug/L
 RT: 13.51 min Scan# 3836
 Delta R.T. 0.00 min
 Lab File: VU027439.D
 Acq: 05 Oct 2018 08:38

Tgt Ion:180 Resp: 3869
 Ion Ratio Lower Upper
 180 100
 182 97.4 76.3 114.5
 145 25.9 24.2 36.2



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

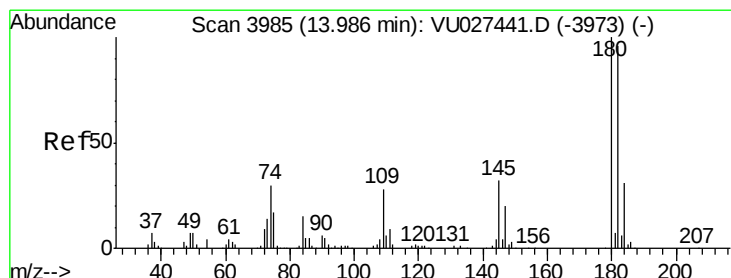
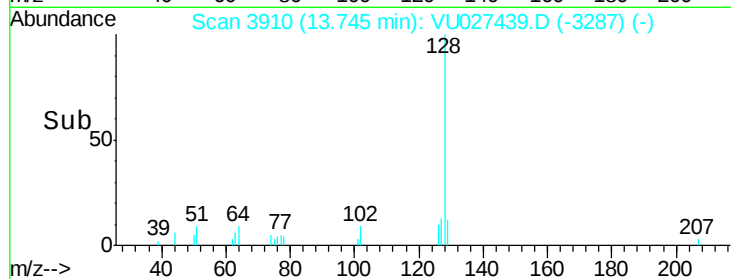
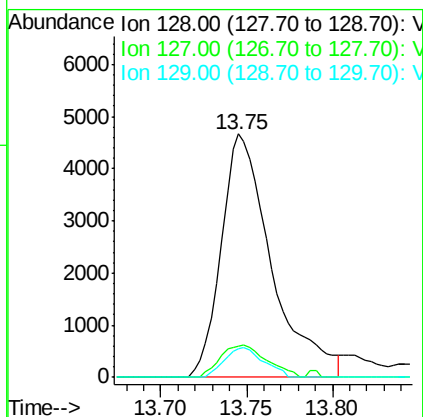
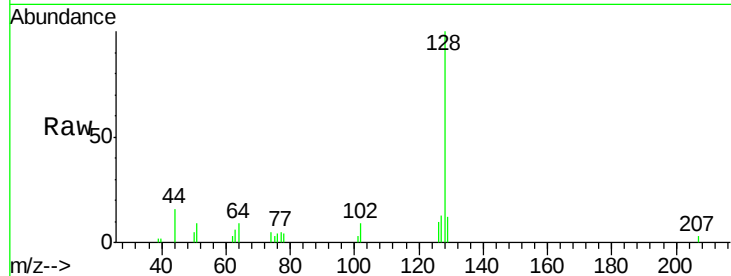




#69
Naphthalene
Concen: 2.370 ug/L
RT: 13.75 min Scan# 3910
Delta R.T. 0.00 min
Lab File: VU027439.D
Acq: 05 Oct 2018 08:38

Instrument :
MSVOA_U
ClientSampleId :
VSTD00551

Tgt Ion:128 Resp: 9520
Ion Ratio Lower Upper
128 100
127 12.3 10.4 15.6
129 9.5 8.6 12.8



#70
1,2,3-Trichlorobenzene
Concen: 2.805 ug/L
RT: 13.99 min Scan# 3986
Delta R.T. 0.00 min
Lab File: VU027439.D
Acq: 05 Oct 2018 08:38

Tgt Ion:180 Resp: 3716
Ion Ratio Lower Upper
180 100
182 110.2 77.4 116.0
145 27.0 25.5 38.3

