

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU082218\
 Data File : VU026239.D
 Acq On : 22 Aug 2018 11:19
 Operator : MD/SY
 Sample : VSTD00540
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00540

Quant Time: Aug 23 04:40:52 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM082218WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Aug 23 04:40:00 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.89	114	291837	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	275046	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.49	152	128917	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	8153	3.94	ug/L	0.00
7) Chloroethane-d5	1.68	69	6779	4.11	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.27	63	15816	4.03	ug/L	0.00
21) 2-Butanone-d5	4.18	46	11974	7.00	ug/L	0.00
24) Chloroform-d	4.65	84	17528	3.96	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.32	65	12104	4.07	ug/L	0.00
32) Benzene-d6	5.34	84	33065	3.97	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.33	67	11074	4.13	ug/L	0.00
41) Toluene-d8	7.57	98	30171	3.78	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.85	79	4737	3.48	ug/L	0.00
47) 2-Hexanone-d5	8.31	63	7551	6.25	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.44	84	15301	3.89	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.86	152	12422	4.02	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.21	85	10538	4.166 ug/L	99
3) Chloromethane	1.33	50	9946	4.354 ug/L	98
5) Vinyl chloride	1.40	62	9743	4.435 ug/L	100
6) Bromomethane	1.63	94	6641	5.497 ug/L	97
8) Chloroethane	1.70	64	6013	4.548 ug/L	97
9) Trichlorofluoromethane	1.89	101	13911	4.390 ug/L	97
10) 1,1,2-Trichloro-1,2,2-trif	2.29	101	6970	3.834 ug/L	91
12) 1,1-Dichloroethene	2.29	96	7214	4.328 ug/L	89
13) Acetone	2.32	43	11294	10.080 ug/L	99
14) Carbon disulfide	2.48	76	25762	4.568 ug/L	100
15) Methyl Acetate	2.62	43	9791	4.262 ug/L	95
16) Methylene chloride	2.70	84	9803	4.525 ug/L	91
17) trans-1,2-Dichloroethene	2.99	96	8021	4.246 ug/L	89
18) Methyl tert-butyl Ether	3.00	73	24521	3.980 ug/L	96
19) 1,1-Dichloroethane	3.45	63	15499	4.217 ug/L	99
20) cis-1,2-Dichloroethene	4.23	96	8463	3.893 ug/L	91
22) 2-Butanone	4.27	43	12716	8.002 ug/L	83
23) Bromochloromethane	4.55	128	5079	4.382 ug/L	84
25) Chloroform	4.68	83	16160	4.241 ug/L	92
27) 1,2-Dichloroethane	5.41	62	12898	4.125 ug/L	96
29) Cyclohexane	5.00	56	11186	3.645 ug/L	98
30) 1,1,1-Trichloroethane	4.91	97	14984	4.314 ug/L	99
31) Carbon tetrachloride	5.13	117	13793	4.349 ug/L	95
33) Benzene	5.39	78	33796	4.285 ug/L	100
34) Trichloroethene	6.19	95	8659	4.223 ug/L	94
35) Methylcyclohexane	6.42	83	11208	3.551 ug/L	96
37) 1,2-Dichloropropane	6.44	63	9421	4.371 ug/L	# 92
38) Bromodichloromethane	6.76	83	11902	4.149 ug/L	98
39) cis-1,3-Dichloropropene	7.27	75	12347	3.808 ug/L	99
40) 4-Methyl-2-pentanone	7.46	43	20427	7.033 ug/L	95

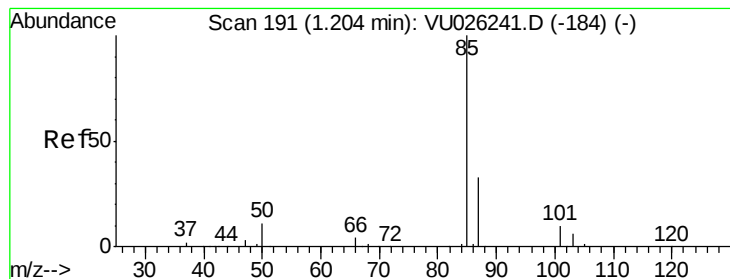
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU082218\
 Data File : VU026239.D
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 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM082218WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Aug 23 04:40:00 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.64	91	32280	3.859	ug/L	97
44) trans-1,3-Dichloropropene	7.88	75	11803	3.798	ug/L	99
45) 1,1,2-Trichloroethane	8.07	97	8832	4.317	ug/L	92
46) Tetrachloroethene	8.23	164	7603	4.346	ug/L	98
48) 2-Hexanone	8.36	43	15730	6.899	ug/L	98
49) Dibromochloromethane	8.48	129	9857	3.981	ug/L	99
50) 1,2-Dibromoethane	8.59	107	9088	4.064	ug/L #	96
51) Chlorobenzene	9.12	112	22882	4.069	ug/L	97
52) Ethylbenzene	9.25	91	33500	3.666	ug/L	98
53) m,p-Xylene	9.38	106	12297	3.511	ug/L	95
54) o-xylene	9.78	106	11990	3.462	ug/L	96
55) Styrene	9.80	104	18646	3.216	ug/L	97
56) Isopropylbenzene	10.17	105	29102	3.270	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.46	83	14081	4.051	ug/L	99
59) 1,2,3-Trichloropropane	10.50	75	11233	4.078	ug/L	99
61) Bromoform	9.96	173	7624	4.367	ug/L #	97
62) 1,3-Dichlorobenzene	11.42	146	16734	4.154	ug/L	95
63) 1,4-Dichlorobenzene	11.51	146	18039	4.273	ug/L	93
65) 1,2-Dichlorobenzene	11.88	146	17613	4.116	ug/L	98
66) 1,2-Dibromo-3-chloropropan	12.66	75	3046	4.080	ug/L	98
67) 1,3,5-Trichlorobenzene	12.89	180	12454	4.115	ug/L	98
68) 1,2,4-trichlorobenzene	13.51	180	9697	3.761	ug/L	99
69) Naphthalene	13.75	128	24742	3.011	ug/L	98
70) 1,2,3-Trichlorobenzene	13.99	180	10272	3.720	ug/L	94

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



#2

Dichlorodifluoromethane

Concen: 4.166 ug/L

RT: 1.21 min Scan# 192

Delta R.T. 0.00 min

Lab File: VU026239.D

Acq: 22 Aug 2018 11:19

Instrument :

MSVOA_U

ClientSampleId :

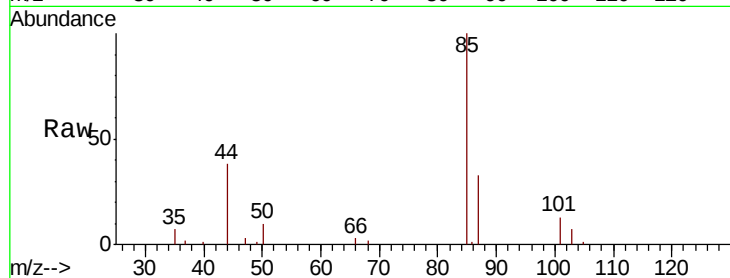
VSTD00540

Tgt Ion: 85 Resp: 10538

Ion Ratio Lower Upper

85 100

87 32.9 25.9 38.9



Abundance Ion 85.00 (84.70 to 85.70): VU0

Ion 87.00 (86.70 to 87.70): VU0

12000

10000

8000

6000

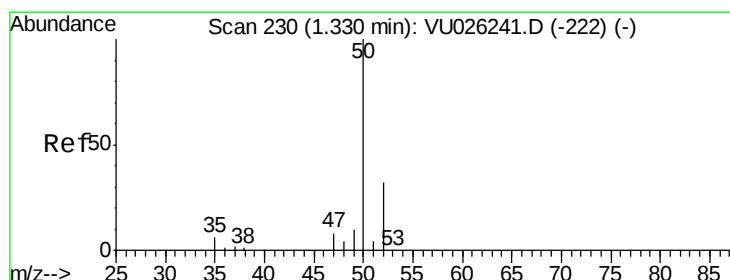
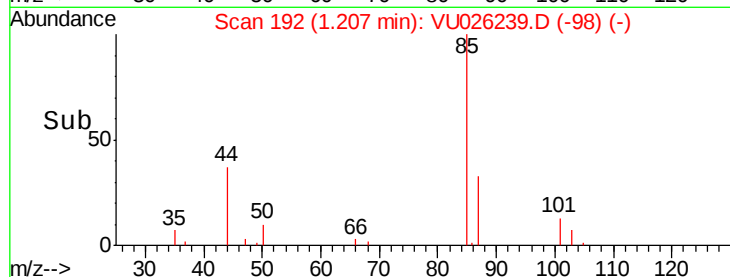
4000

2000

0

Time--> 1.16 1.18 1.20 1.22 1.24

1.21



#3

Chloromethane

Concen: 4.354 ug/L

RT: 1.33 min Scan# 229

Delta R.T. -0.00 min

Lab File: VU026239.D

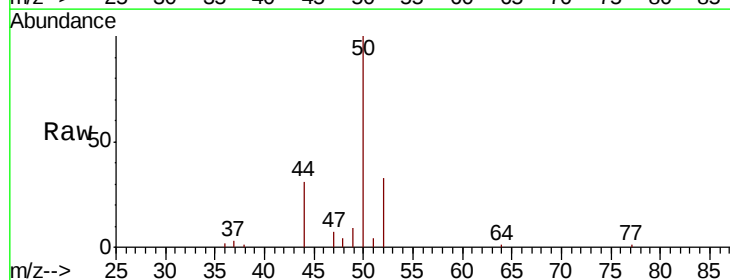
Acq: 22 Aug 2018 11:19

Tgt Ion: 50 Resp: 9946

Ion Ratio Lower Upper

50 100

52 33.3 22.6 42.0



Abundance Ion 50.00 (49.70 to 50.70): VU0

Ion 52.00 (51.70 to 52.70): VU0

12000

10000

8000

6000

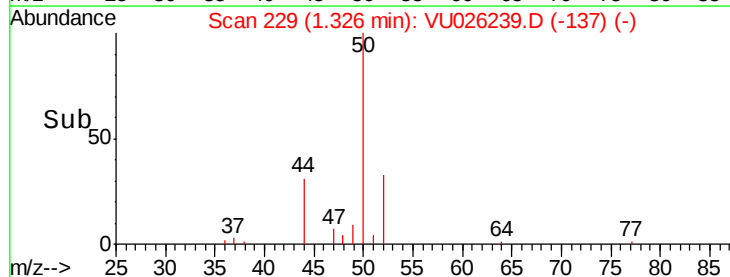
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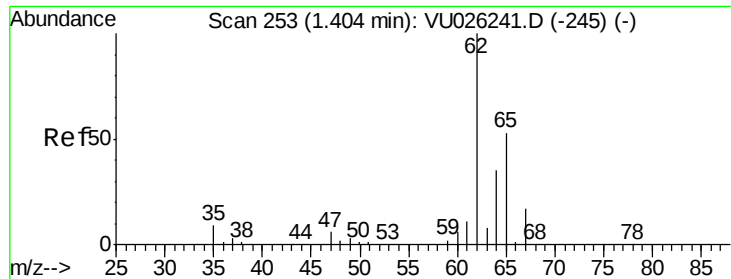
2000

0

Time--> 1.30 1.32 1.34 1.36 1.38

1.33





#5

Vinyl chloride

Concen: 4.435 ug/L

RT: 1.40 min Scan# 253

Delta R.T. -0.00 min

Lab File: VU026239.D

Acq: 22 Aug 2018 11:19

Instrument :

MSVOA_U

ClientSampleId :

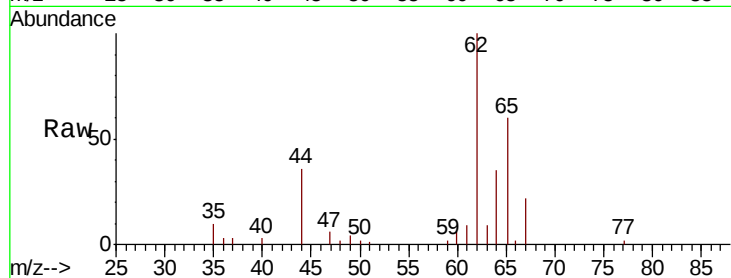
VSTD00540

Tgt Ion: 62 Resp: 9743

Ion Ratio Lower Upper

62 100

64 34.7 24.2 45.0



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 64.00 (63.70 to 64.70): VU0

10000

8000

6000

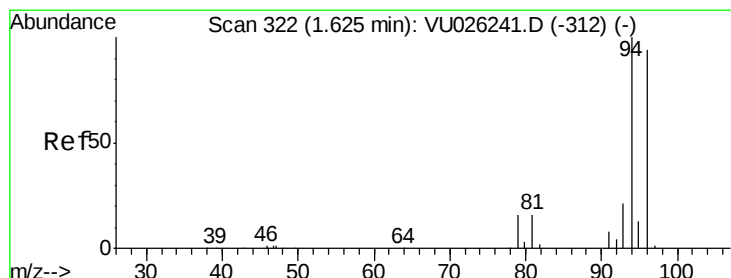
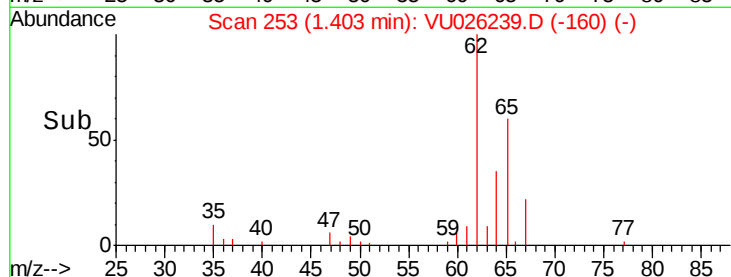
4000

2000

0

1.36 1.38 1.40 1.42 1.44

Time-->



#6

Bromomethane

Concen: 5.497 ug/L

RT: 1.63 min Scan# 324

Delta R.T. 0.01 min

Lab File: VU026239.D

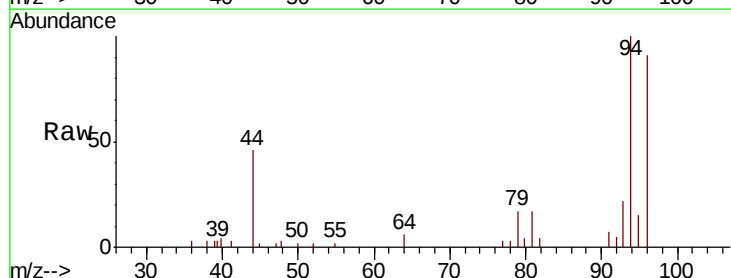
Acq: 22 Aug 2018 11:19

Tgt Ion: 94 Resp: 6641

Ion Ratio Lower Upper

94 100

96 91.2 65.9 122.3



Abundance Ion 94.00 (93.70 to 94.70): VU0

Ion 96.00 (95.70 to 96.70): VU0

6000

5000

4000

3000

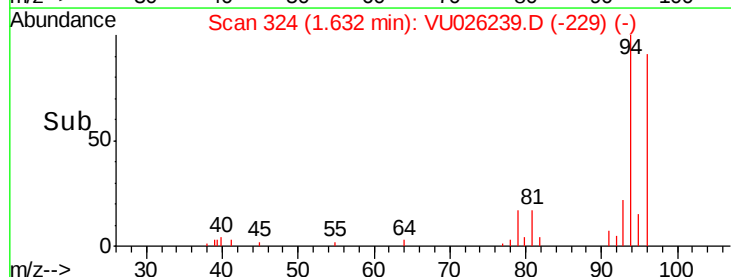
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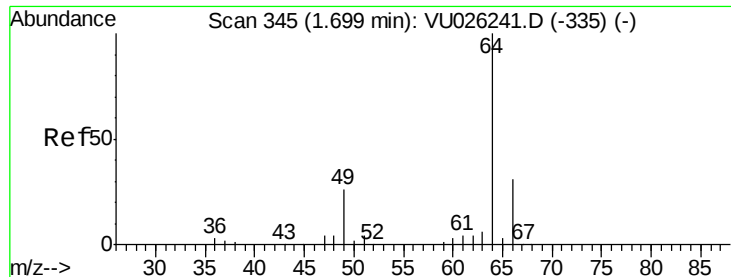
1000

0

1.60 1.63 1.65

Time-->





#8

Chloroethane

Concen: 4.548 ug/L

RT: 1.70 min Scan# 346

Delta R.T. 0.00 min

Lab File: VU026239.D

Acq: 22 Aug 2018 11:19

Instrument :

MSVOA_U

ClientSampleId :

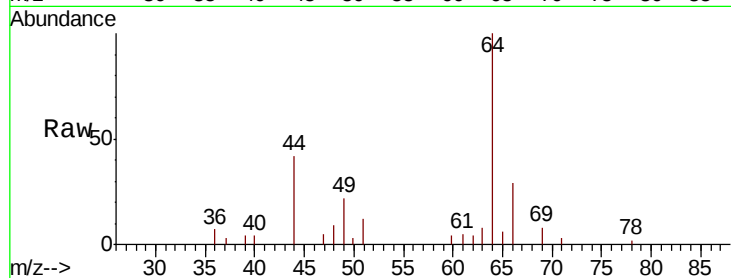
VSTD00540

Tgt Ion: 64 Resp: 6013

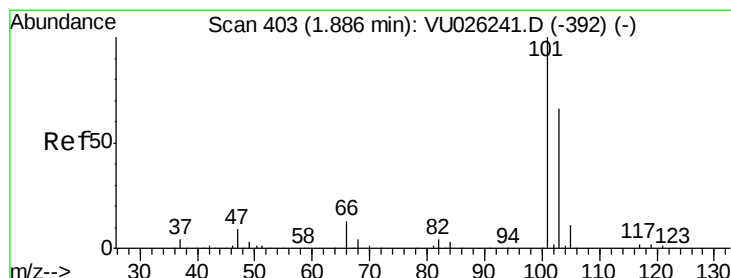
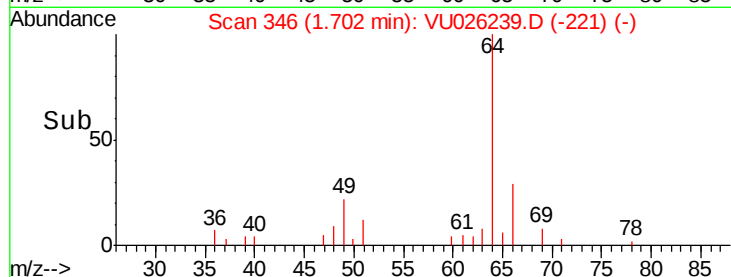
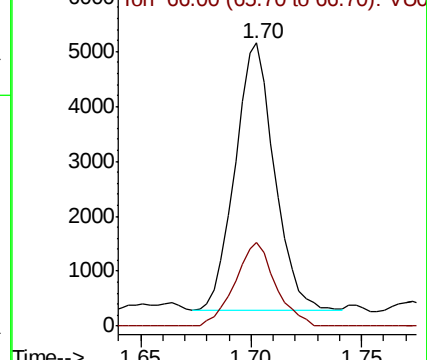
Ion Ratio Lower Upper

64 100

66 29.4 21.9 40.7



Abundance Ion 64.00 (63.70 to 64.70): VU026239.D (-221) (-)



#9

Trichlorofluoromethane

Concen: 4.390 ug/L

RT: 1.89 min Scan# 404

Delta R.T. 0.00 min

Lab File: VU026239.D

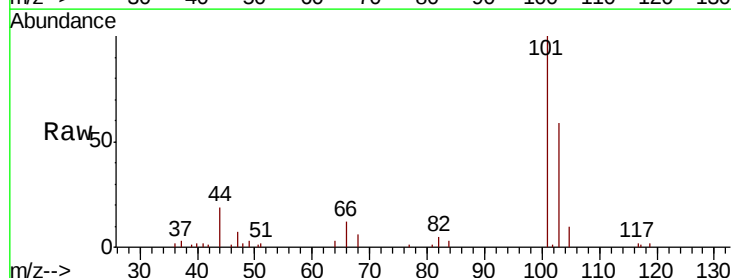
Acq: 22 Aug 2018 11:19

Tgt Ion: 101 Resp: 13911

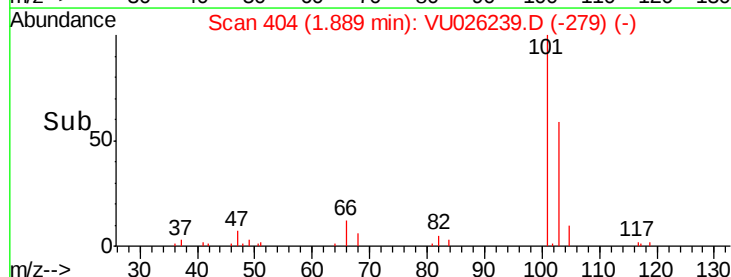
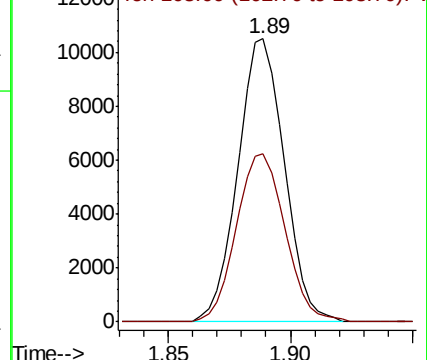
Ion Ratio Lower Upper

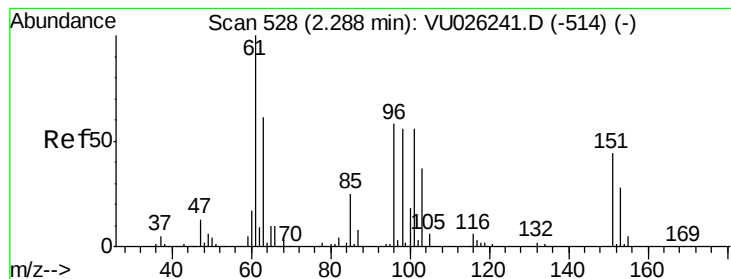
101 100

103 62.2 51.7 77.5



Abundance Ion 101.00 (100.70 to 101.70): VU026239.D (-279) (-)





#10

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

Concen: 3.834 ug/L

RT: 2.29 min Scan# 528

Delta R.T. -0.00 min

Lab File: VU026239.D

Acq: 22 Aug 2018 11:19

Instrument :

MSVOA_U

ClientSampleId :

VSTD00540

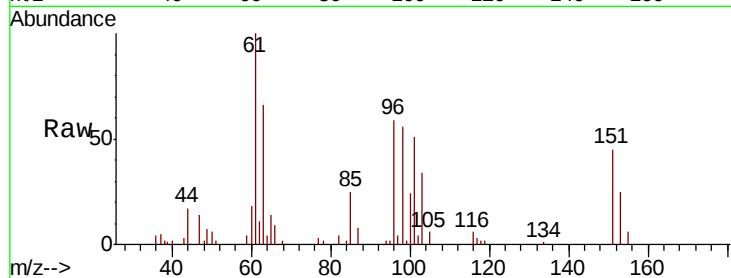
Tgt Ion: 101 Resp: 6970

Ion Ratio Lower Upper

101 100

85 47.1 35.8 53.6

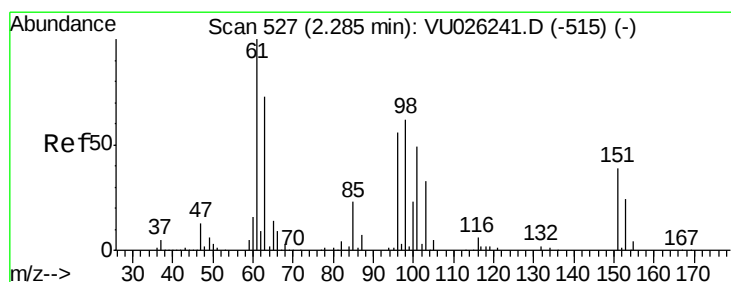
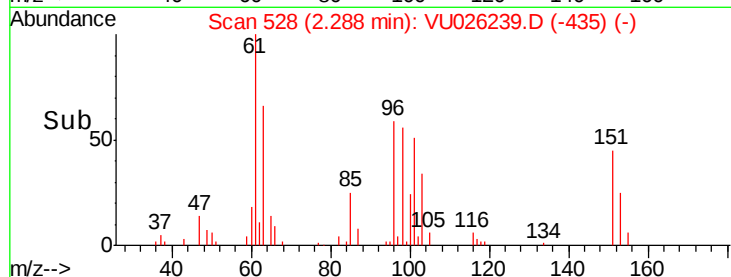
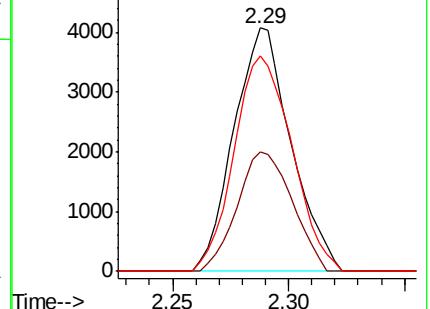
151 89.6 63.3 94.9



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VU0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 4.328 ug/L

RT: 2.29 min Scan# 528

Delta R.T. 0.00 min

Lab File: VU026239.D

Acq: 22 Aug 2018 11:19

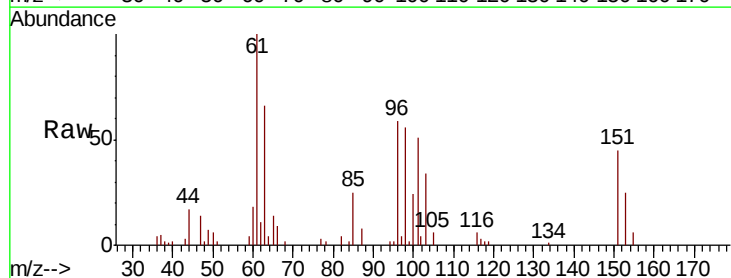
Tgt Ion: 96 Resp: 7214

Ion Ratio Lower Upper

96 100

61 170.6 124.7 231.5

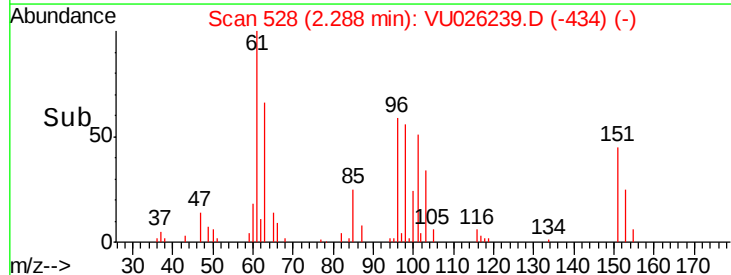
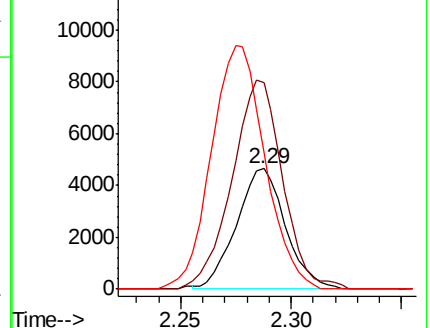
63 113.1 93.7 174.1

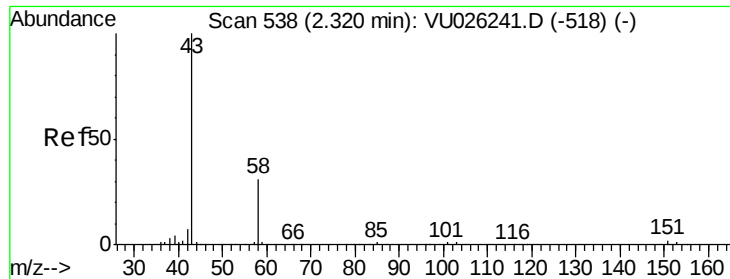


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 10.080 ug/L

RT: 2.32 min Scan# 539

Delta R.T. 0.00 min

Lab File: VU026239.D

Acq: 22 Aug 2018 11:19

Instrument :

MSVOA_U

ClientSampleId :

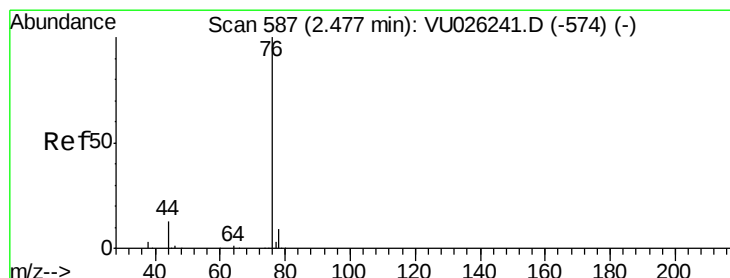
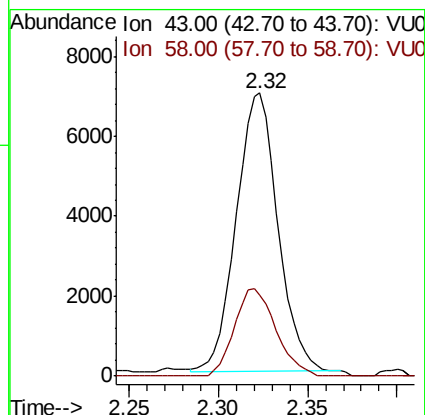
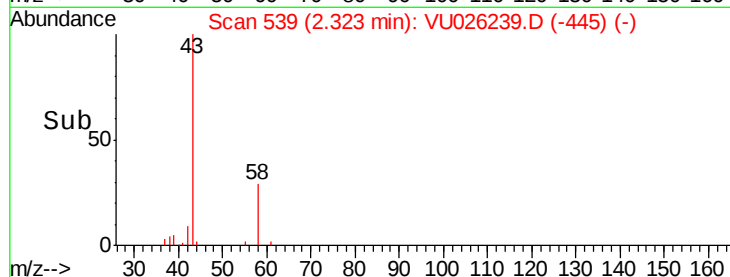
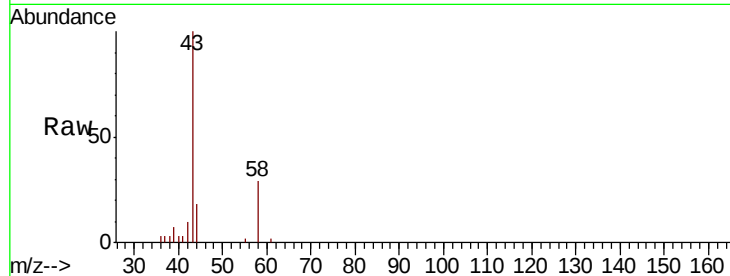
VSTD00540

Tgt Ion: 43 Resp: 11294

Ion Ratio Lower Upper

43 100

58 31.4 0.0 61.2



#14

Carbon disulfide

Concen: 4.568 ug/L

RT: 2.48 min Scan# 587

Delta R.T. -0.00 min

Lab File: VU026239.D

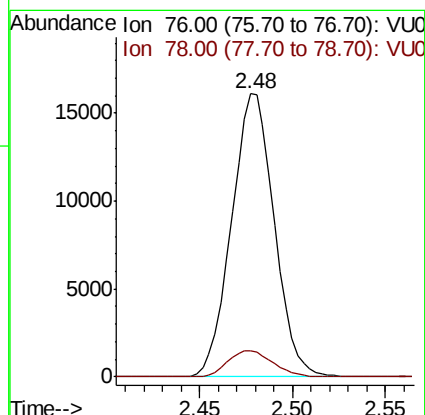
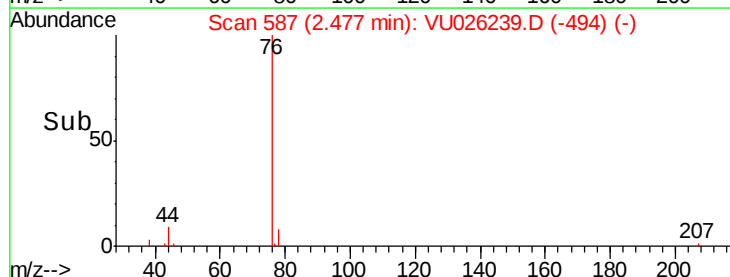
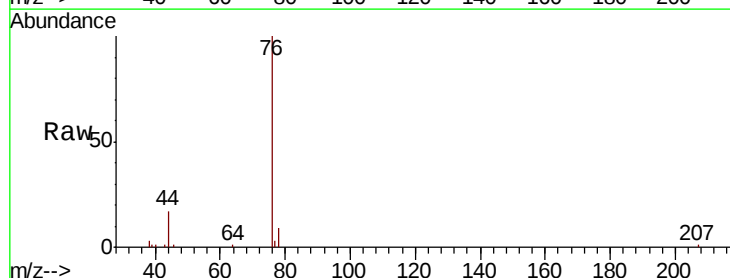
Acq: 22 Aug 2018 11:19

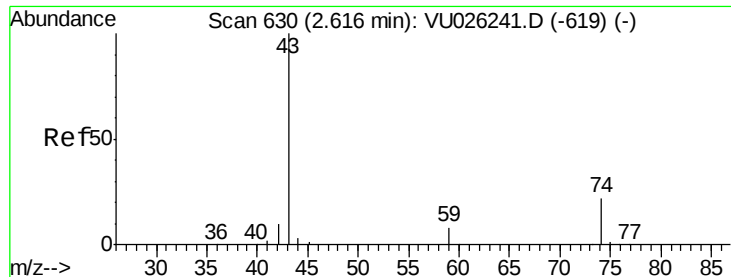
Tgt Ion: 76 Resp: 25762

Ion Ratio Lower Upper

76 100

78 9.1 7.2 10.8

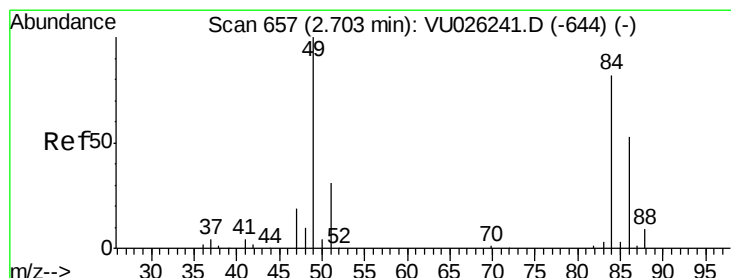
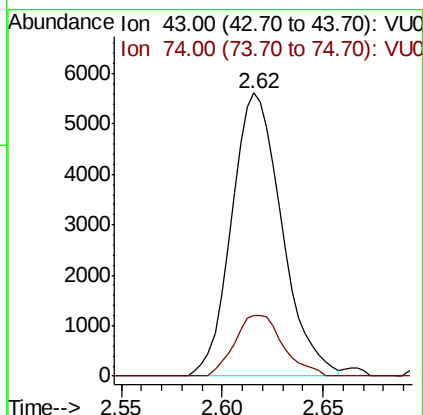
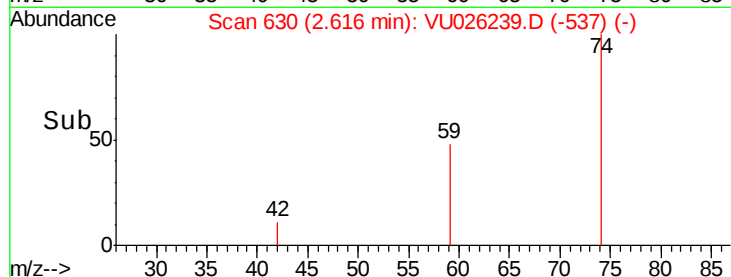
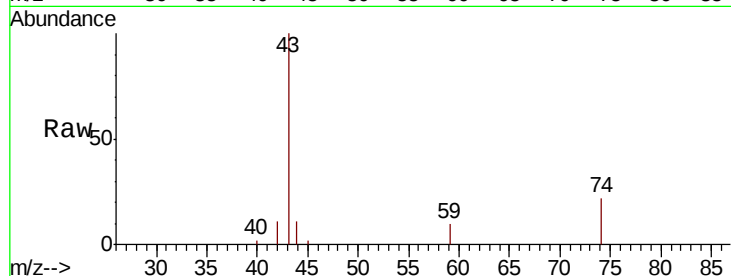




#15
Methyl Acetate
Concen: 4.262 ug/L
RT: 2.62 min Scan# 630
Delta R.T. -0.00 min
Lab File: VU026239.D
Acq: 22 Aug 2018 11:19

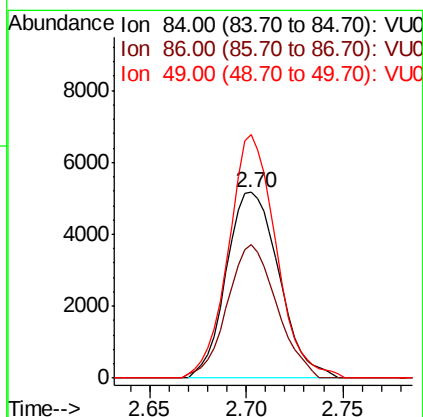
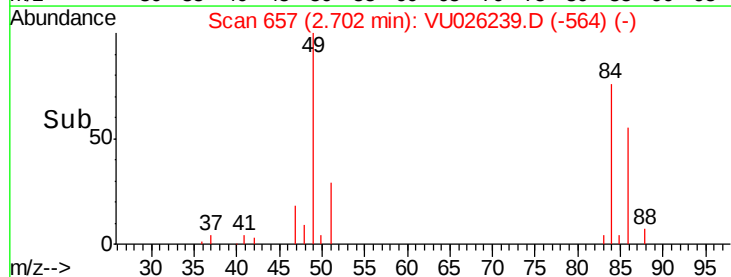
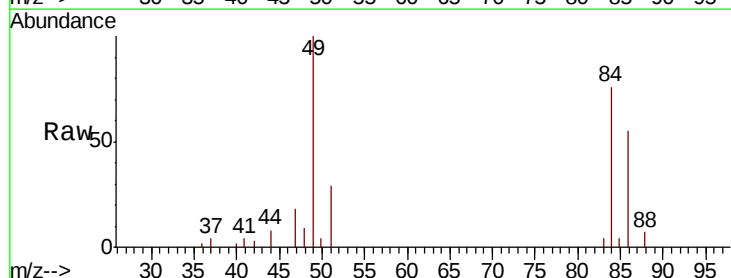
Instrument :
MSVOA_U
ClientSampleId :
VSTD00540

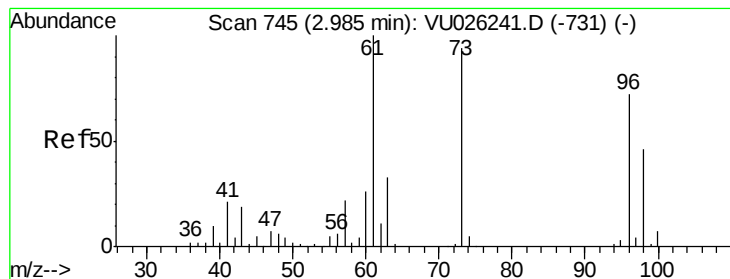
Tgt Ion: 43 Resp: 9791
Ion Ratio Lower Upper
43 100
74 20.8 18.6 27.8



#16
Methylene chloride
Concen: 4.525 ug/L
RT: 2.70 min Scan# 657
Delta R.T. -0.00 min
Lab File: VU026239.D
Acq: 22 Aug 2018 11:19

Tgt Ion: 84 Resp: 9803
Ion Ratio Lower Upper
84 100
86 72.2 45.4 84.4
49 131.1 85.3 158.5





#17

trans-1,2-Dichloroethene

Concen: 4.246 ug/L

RT: 2.99 min Scan# 745

Delta R.T. -0.00 min

Lab File: VU026239.D

Acq: 22 Aug 2018 11:19

Instrument :

MSVOA_U

ClientSampleId :

VSTD00540

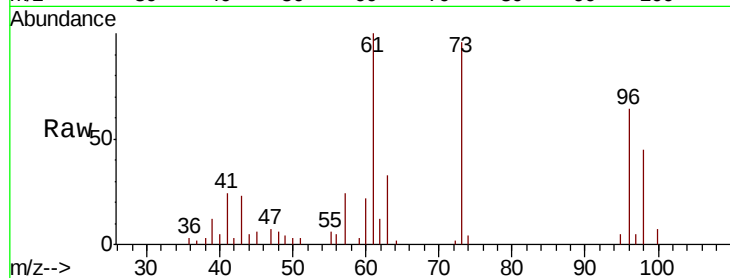
Tgt Ion: 96 Resp: 8021

Ion Ratio Lower Upper

96 100

61 155.9 97.9 181.9

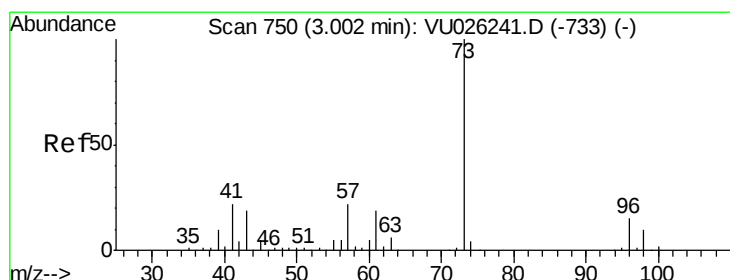
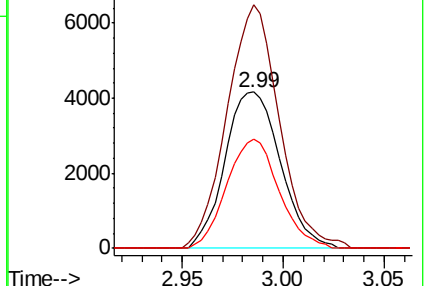
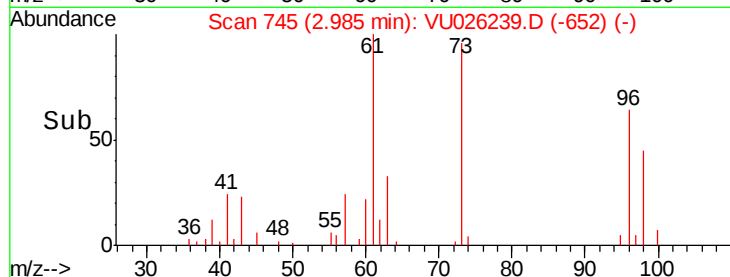
98 69.7 45.1 83.7



Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 98.00 (97.70 to 98.70): VU0



#18

Methyl tert-butyl Ether

Concen: 3.980 ug/L

RT: 3.00 min Scan# 749

Delta R.T. -0.00 min

Lab File: VU026239.D

Acq: 22 Aug 2018 11:19

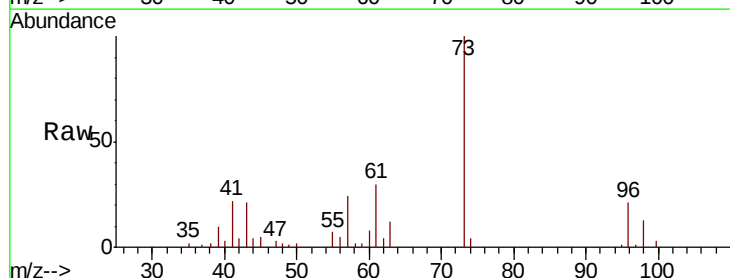
Tgt Ion: 73 Resp: 24521

Ion Ratio Lower Upper

73 100

43 21.5 15.7 23.5

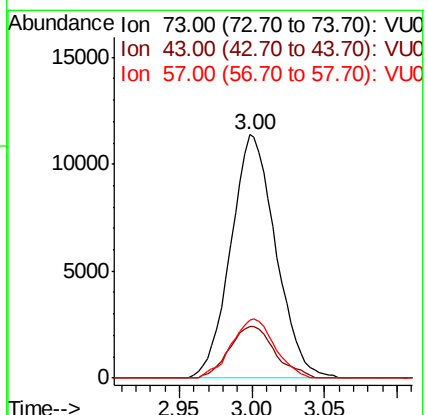
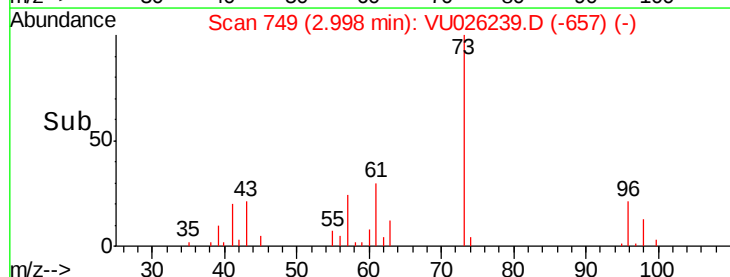
57 23.4 17.5 26.3

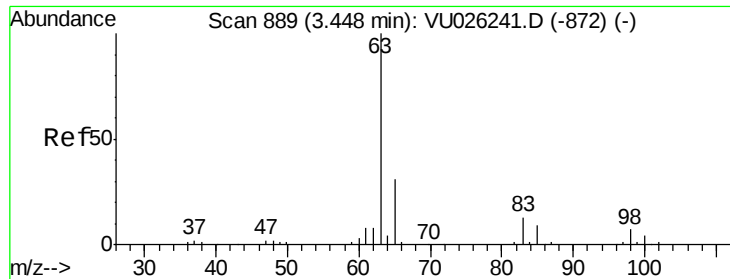


Abundance Ion 73.00 (72.70 to 73.70): VU0

Ion 43.00 (42.70 to 43.70): VU0

Ion 57.00 (56.70 to 57.70): VU0

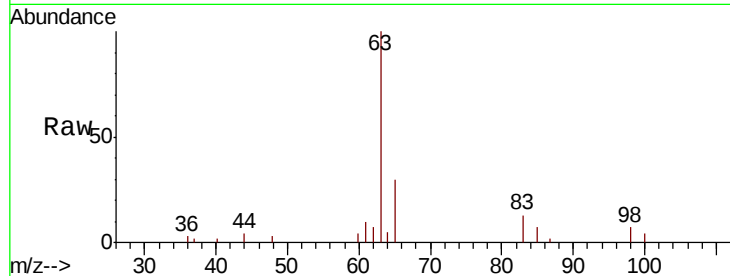




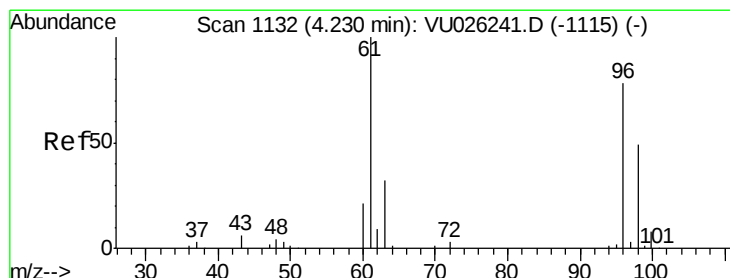
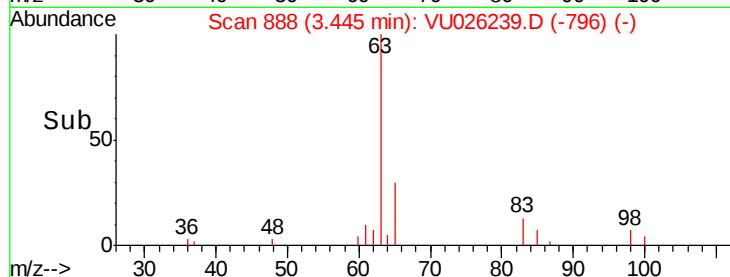
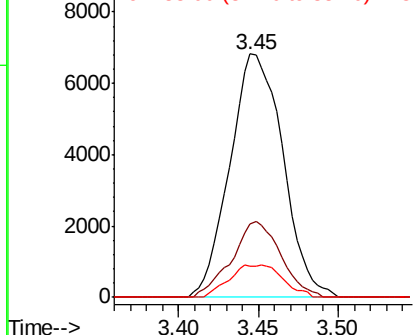
#19
 1,1-Dichloroethane
 Concen: 4.217 ug/L
 RT: 3.45 min Scan# 888
 Delta R.T. -0.00 min
 Lab File: VU026239.D
 Acq: 22 Aug 2018 11:19

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00540

Tgt Ion: 63 Resp: 15499
 Ion Ratio Lower Upper
 63 100
 65 30.2 21.4 39.8
 83 12.7 9.2 17.2

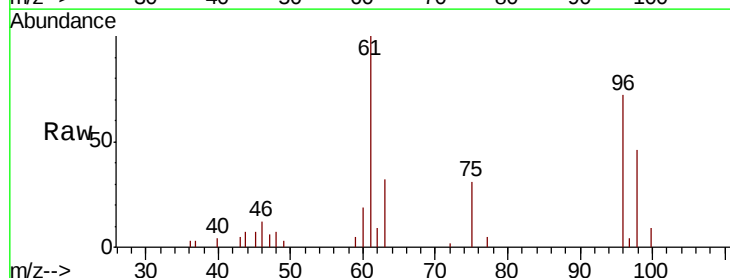


Abundance Ion 63.00 (62.70 to 63.70): VU0
 Ion 65.00 (64.70 to 65.70): VU0
 Ion 83.00 (82.70 to 83.70): VU0

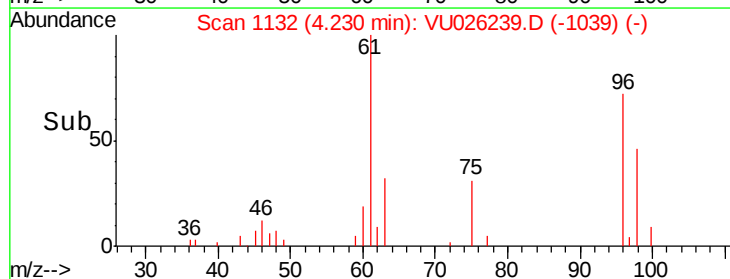
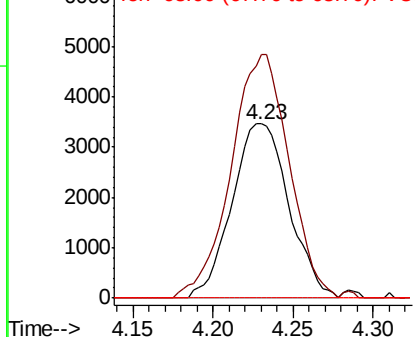


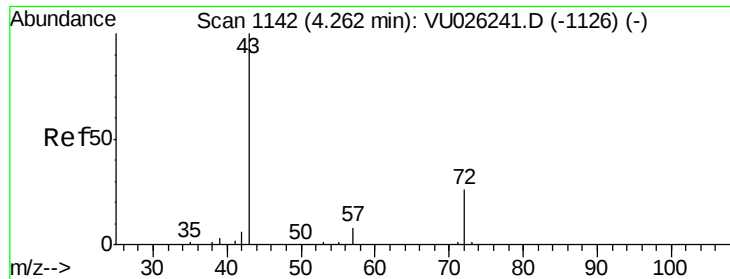
#20
 cis-1,2-Dichloroethene
 Concen: 3.893 ug/L
 RT: 4.23 min Scan# 1132
 Delta R.T. -0.00 min
 Lab File: VU026239.D
 Acq: 22 Aug 2018 11:19

Tgt Ion: 96 Resp: 8463
 Ion Ratio Lower Upper
 96 100
 61 139.6 90.3 167.7
 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: 8.002 ug/L

RT: 4.27 min Scan# 1144

Delta R.T. 0.01 min

Lab File: VU026239.D

Acq: 22 Aug 2018 11:19

Instrument :

MSVOA_U

ClientSampled :

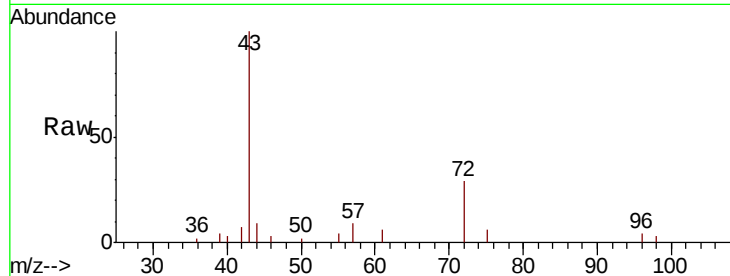
VSTD00540

Tgt Ion: 43 Resp: 12716

Ion Ratio Lower Upper

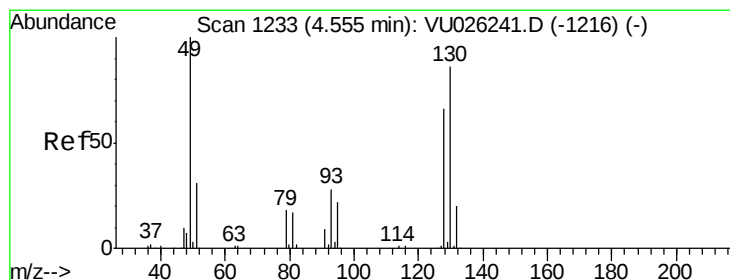
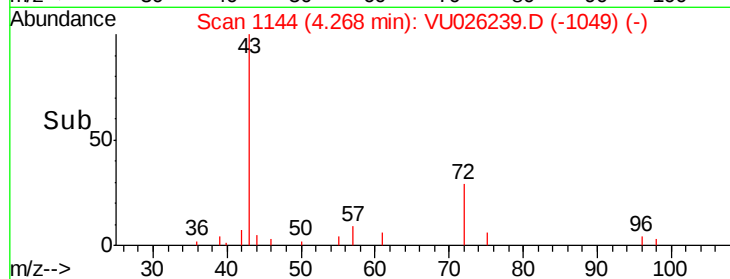
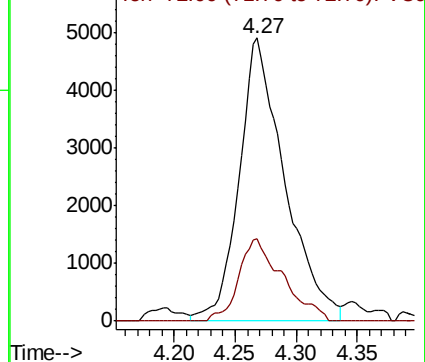
43 100

72 19.3 14.1 42.3



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 72.00 (71.70 to 72.70): VU0



#23

Bromochloromethane

Concen: 4.382 ug/L

RT: 4.55 min Scan# 1231

Delta R.T. -0.01 min

Lab File: VU026239.D

Acq: 22 Aug 2018 11:19

Tgt Ion: 128 Resp: 5079

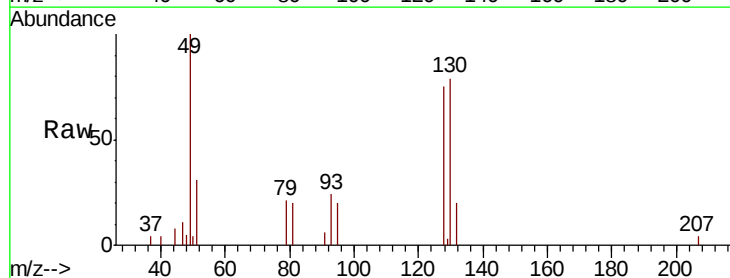
Ion Ratio Lower Upper

128 100

49 133.7 106.7 198.3

130 105.6 91.7 170.3

51 42.1 38.0 57.0

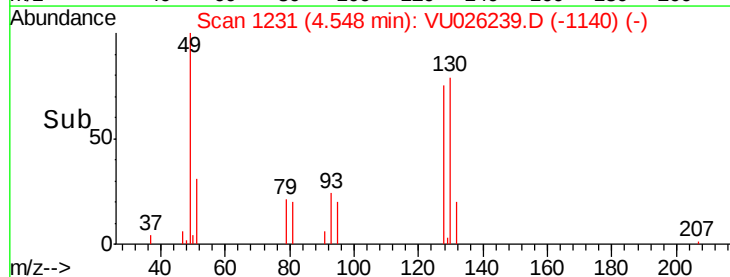
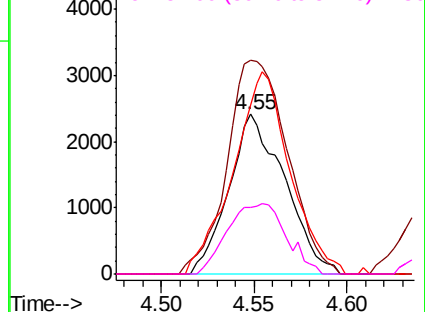


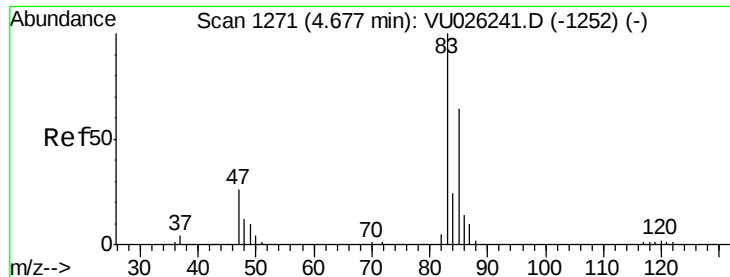
Abundance Ion 128.00 (127.70 to 128.70): V

Ion 49.00 (48.70 to 49.70): VU0

Ion 130.00 (129.70 to 130.70): V

Ion 51.00 (50.70 to 51.70): VU0

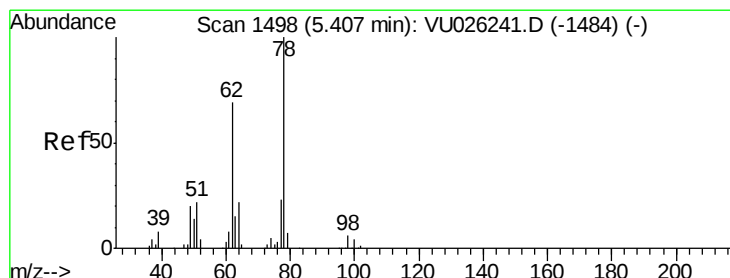
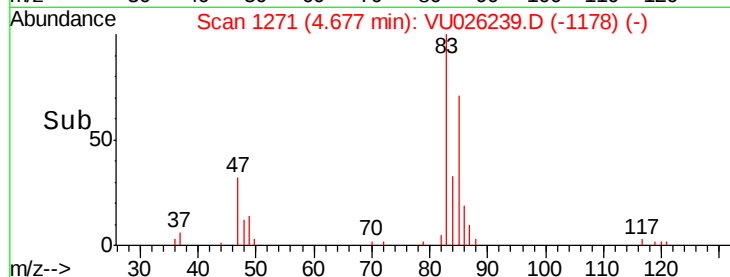
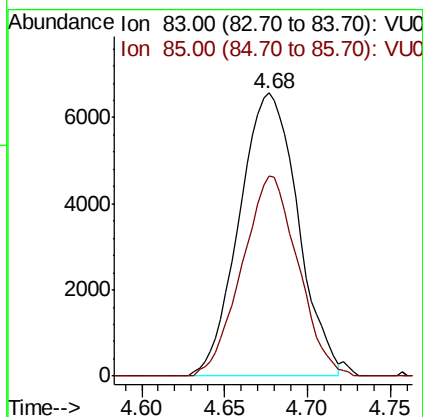
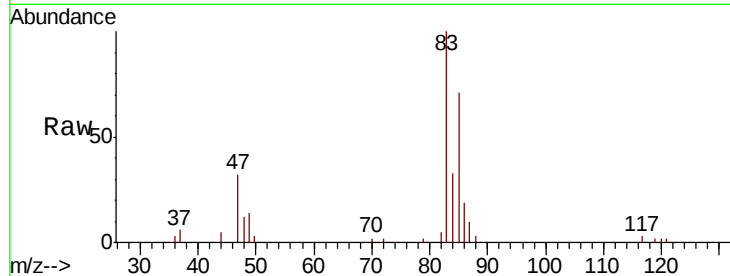




#25
Chloroform
Concen: 4.241 ug/L
RT: 4.68 min Scan# 1271
Delta R.T. -0.00 min
Lab File: VU026239.D
Acq: 22 Aug 2018 11:19

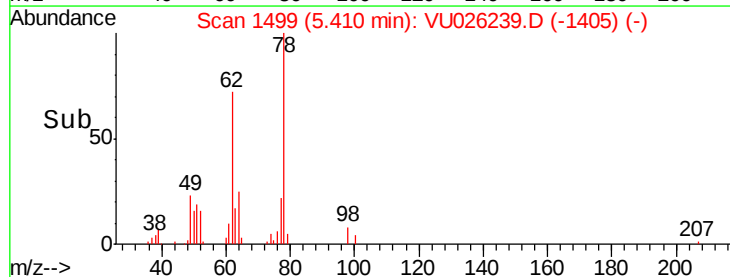
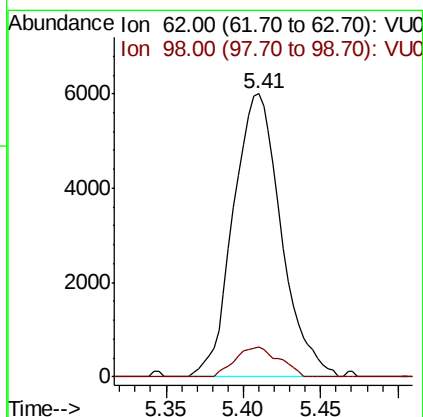
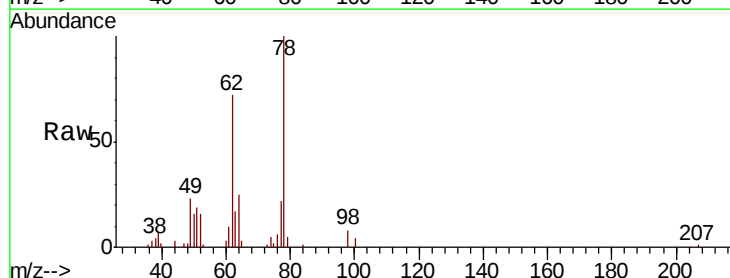
Instrument :
MSVOA_U
ClientSampleId :
VSTD00540

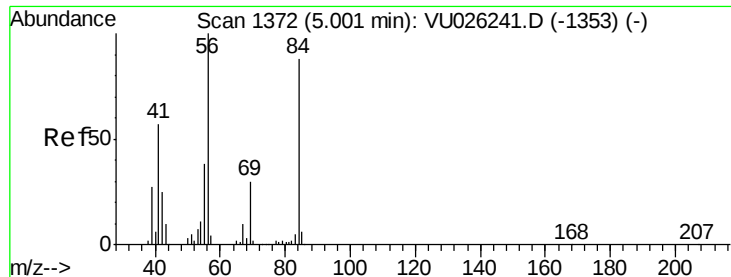
Tgt Ion: 83 Resp: 16160
Ion Ratio Lower Upper
83 100
85 70.7 45.0 83.6



#27
1,2-Dichloroethane
Concen: 4.125 ug/L
RT: 5.41 min Scan# 1499
Delta R.T. 0.00 min
Lab File: VU026239.D
Acq: 22 Aug 2018 11:19

Tgt Ion: 62 Resp: 12898
Ion Ratio Lower Upper
62 100
98 10.6 7.2 10.8

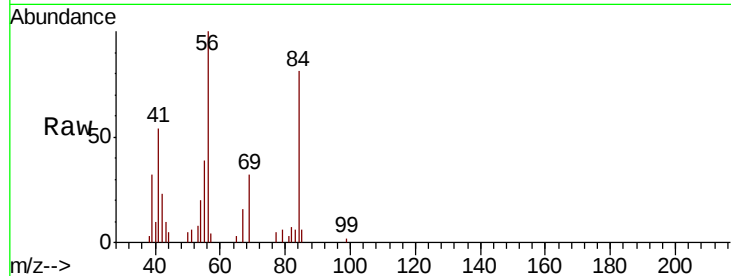




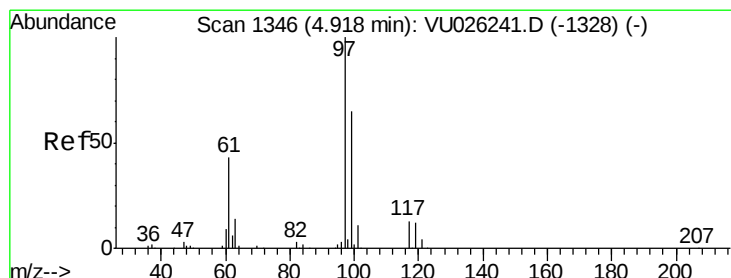
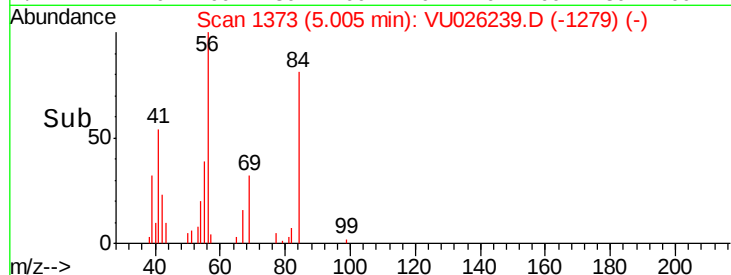
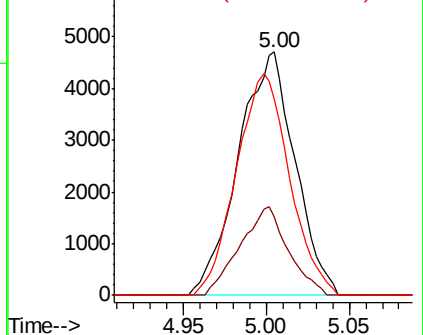
#29
Cyclohexane
Concen: 3.645 ug/L
RT: 5.00 min Scan# 1373
Delta R.T. 0.00 min
Lab File: VU026239.D
Acq: 22 Aug 2018 11:19

Instrument :
MSVOA_U
ClientSampleId :
VSTD00540

Tgt Ion: 56 Resp: 11186
Ion Ratio Lower Upper
56 100
69 30.9 24.6 37.0
84 85.6 70.1 105.1

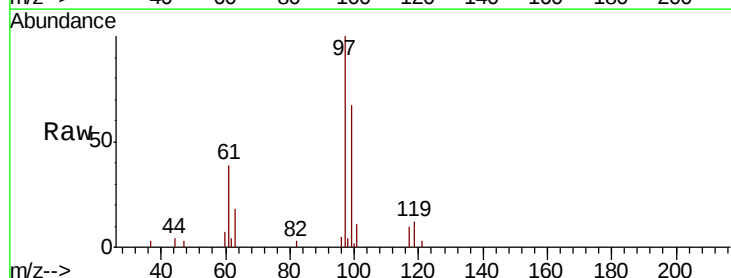


Abundance Ion 56.00 (55.70 to 56.70): VU0
Ion 69.00 (68.70 to 69.70): VU0
Ion 84.00 (83.70 to 84.70): VU0

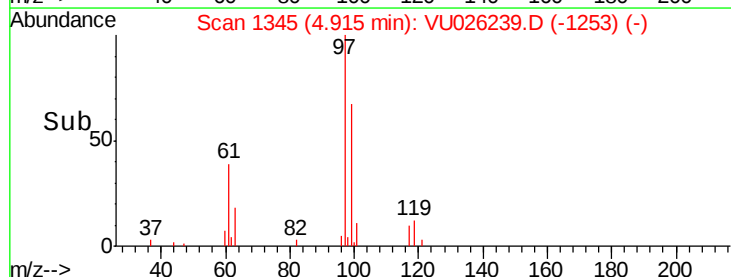
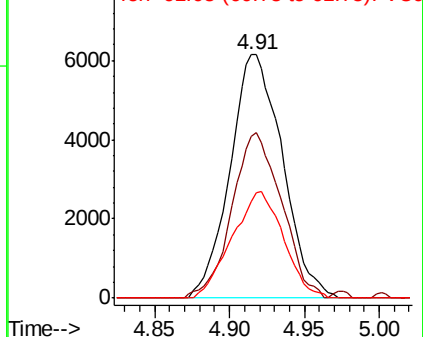


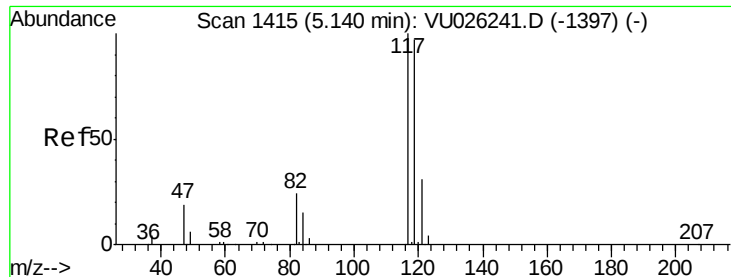
#30
1,1,1-Trichloroethane
Concen: 4.314 ug/L
RT: 4.91 min Scan# 1345
Delta R.T. -0.00 min
Lab File: VU026239.D
Acq: 22 Aug 2018 11:19

Tgt Ion: 97 Resp: 14984
Ion Ratio Lower Upper
97 100
99 64.1 52.0 78.0
61 42.9 34.2 51.4



Abundance Ion 97.00 (96.70 to 97.70): VU0
Ion 99.00 (98.70 to 99.70): VU0
Ion 61.05 (60.75 to 61.75): VU0

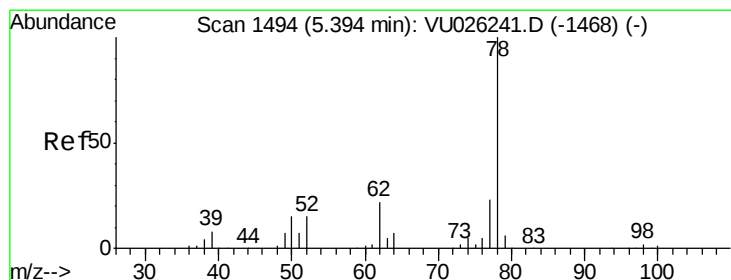
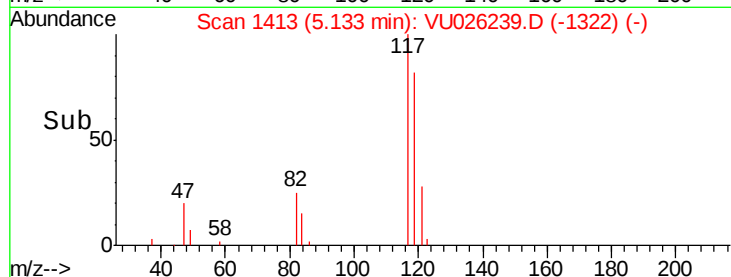
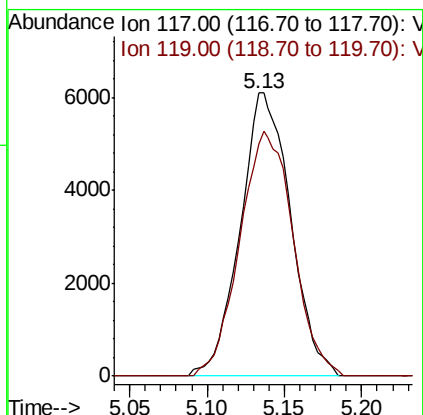
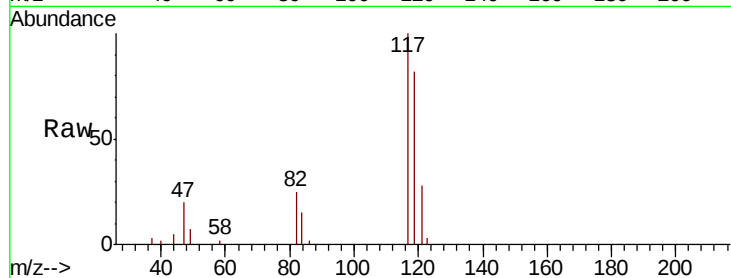




#31
Carbon tetrachloride
Concen: 4.349 ug/L
RT: 5.13 min Scan# 1413
Delta R.T. -0.01 min
Lab File: VU026239.D
Acq: 22 Aug 2018 11:19

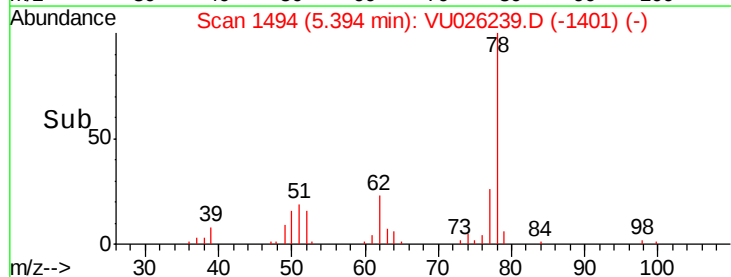
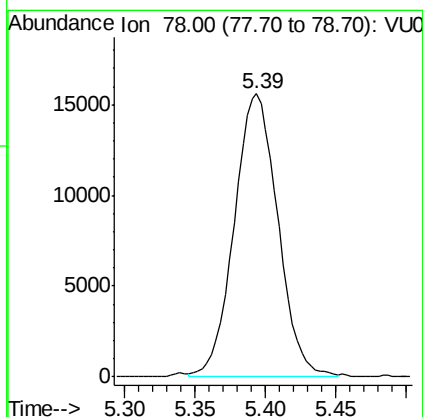
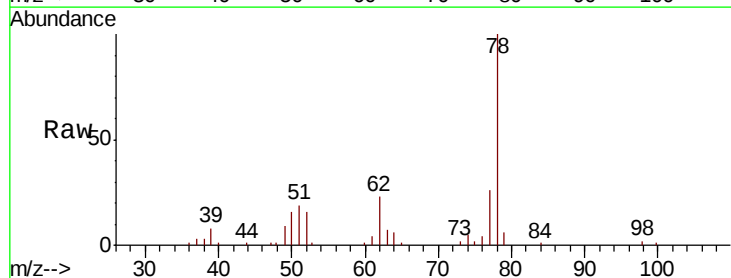
Instrument :
MSVOA_U
ClientSampleId :
VSTD00540

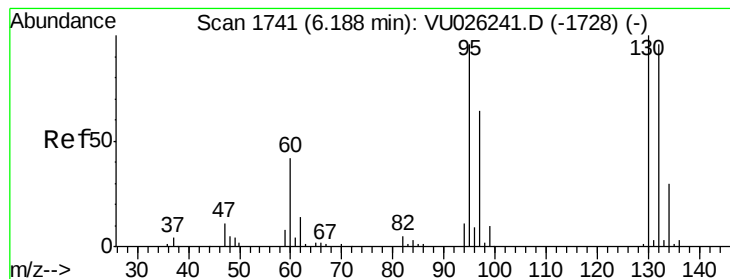
Tgt Ion:117 Resp: 13793
Ion Ratio Lower Upper
117 100
119 91.3 77.2 115.8



#33
Benzene
Concen: 4.285 ug/L
RT: 5.39 min Scan# 1494
Delta R.T. -0.00 min
Lab File: VU026239.D
Acq: 22 Aug 2018 11:19

Tgt Ion: 78 Resp: 33796





#34

Trichloroethene

Concen: 4.223 ug/L

RT: 6.19 min Scan# 1741

Delta R.T. -0.00 min

Lab File: VU026239.D

Acq: 22 Aug 2018 11:19

Instrument :

MSVOA_U

ClientSampleId :

VSTD00540

Tgt Ion: 95 Resp: 8659

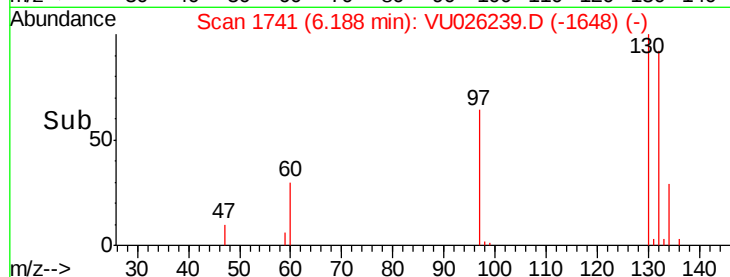
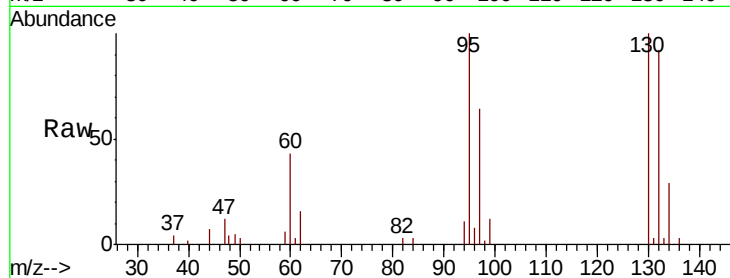
Ion Ratio Lower Upper

95 100

97 64.3 47.2 87.6

132 91.9 70.2 130.4

130 100.4 73.4 136.4

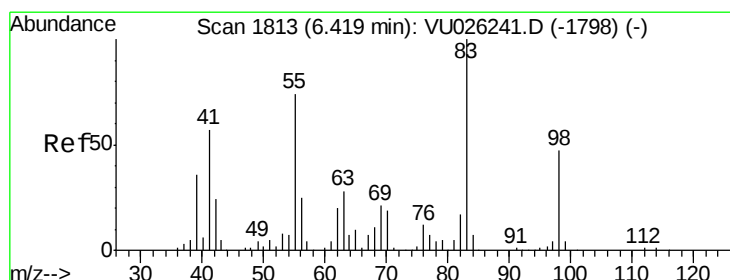
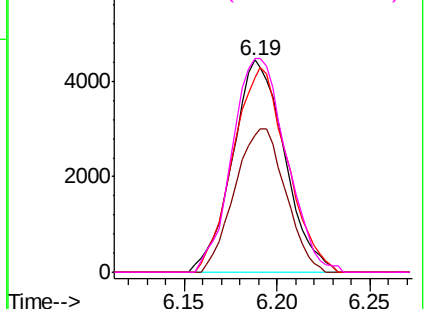


Abundance Ion 95.00 (94.70 to 95.70): VU0

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: 3.551 ug/L

RT: 6.42 min Scan# 1813

Delta R.T. -0.00 min

Lab File: VU026239.D

Acq: 22 Aug 2018 11:19

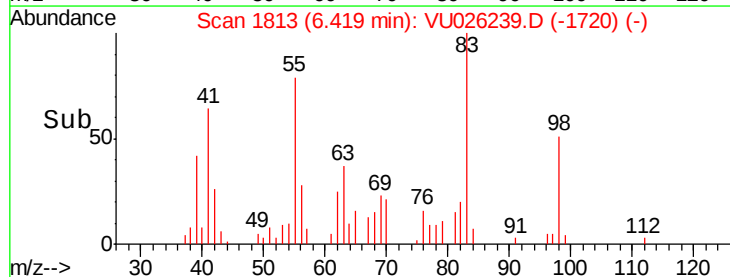
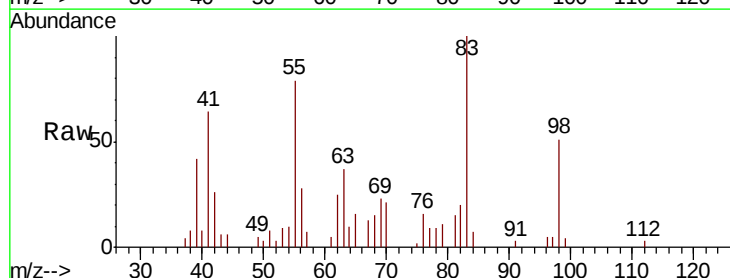
Tgt Ion: 83 Resp: 11208

Ion Ratio Lower Upper

83 100

55 79.4 60.6 91.0

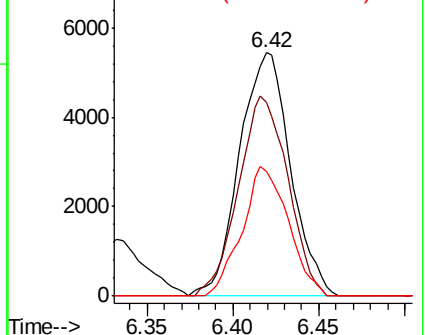
98 48.2 36.8 55.2

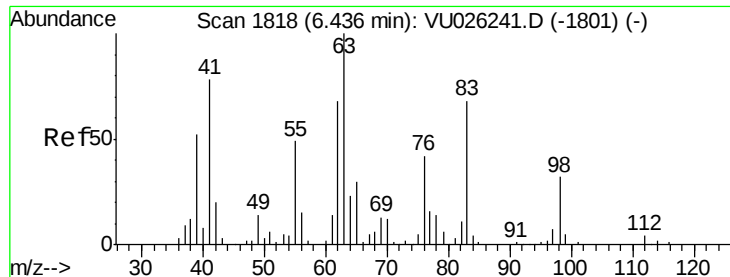


Abundance Ion 83.00 (82.70 to 83.70): VU0

Ion 55.00 (54.70 to 55.70): VU0

Ion 98.00 (97.70 to 98.70): VU0

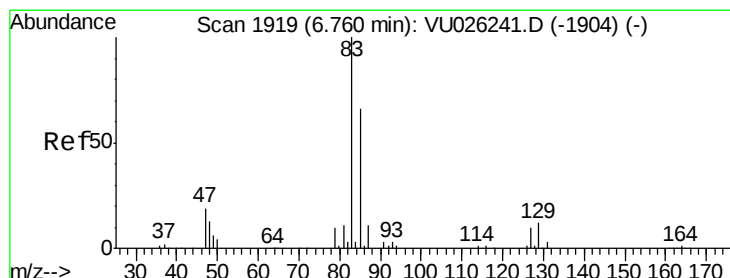
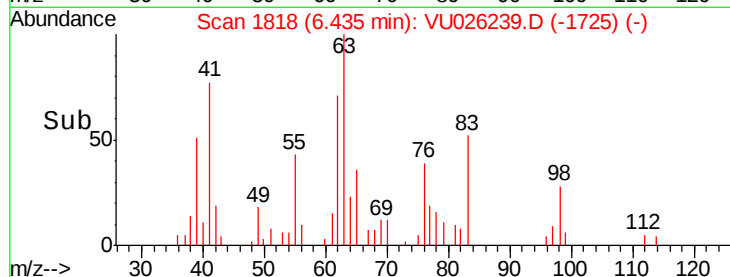
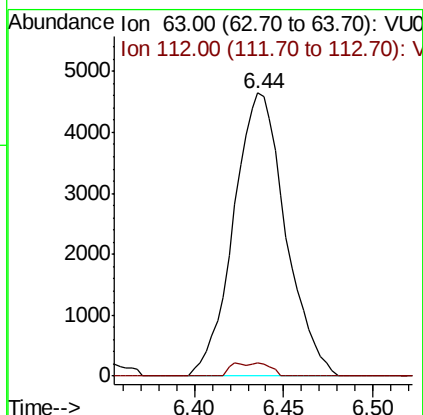
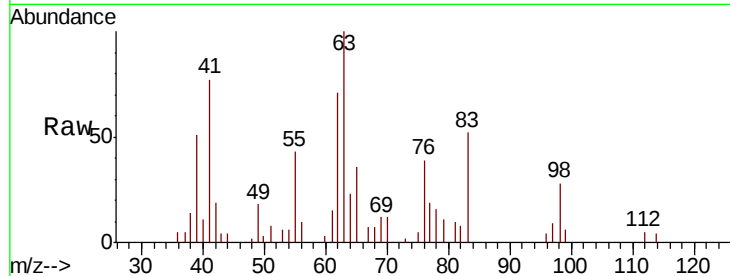




#37
 1,2-Dichloropropane
 Concen: 4.371 ug/L
 RT: 6.44 min Scan# 1818
 Delta R.T. -0.00 min
 Lab File: VU026239.D
 Acq: 22 Aug 2018 11:19

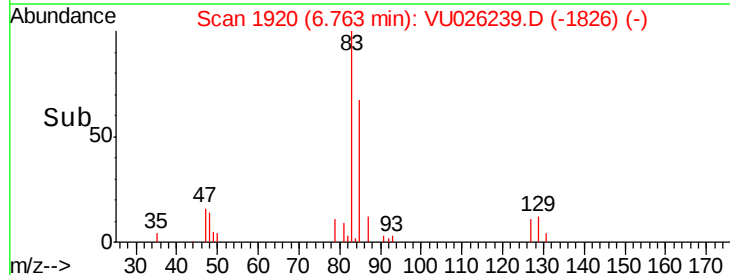
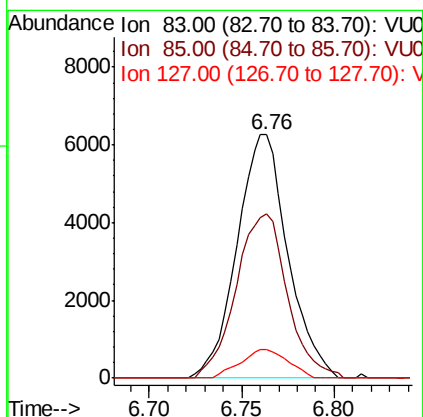
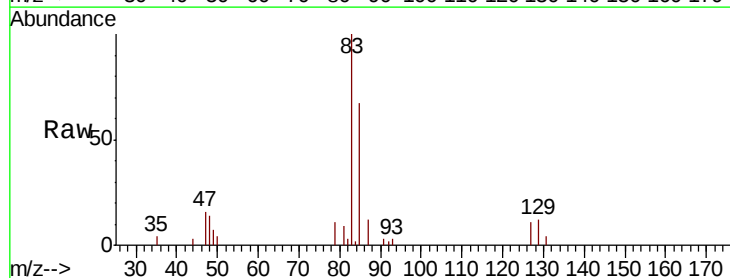
Instrument :
 MSVOA_U
 ClientSampleID :
 VSTD00540

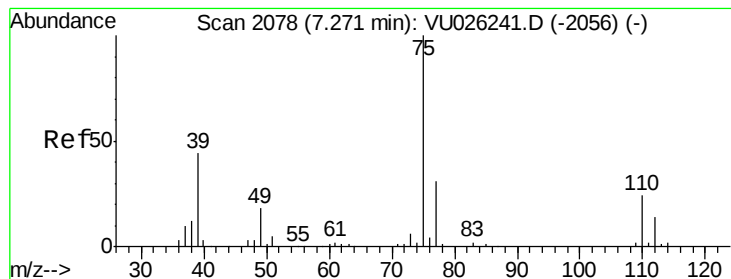
Tgt Ion: 63 Resp: 9421
 Ion Ratio Lower Upper
 63 100
 112 1.8 3.4 5.2#



#38
 Bromodichloromethane
 Concen: 4.149 ug/L
 RT: 6.76 min Scan# 1920
 Delta R.T. 0.00 min
 Lab File: VU026239.D
 Acq: 22 Aug 2018 11:19

Tgt Ion: 83 Resp: 11902
 Ion Ratio Lower Upper
 83 100
 85 67.4 46.3 86.1
 127 11.5 7.8 11.6



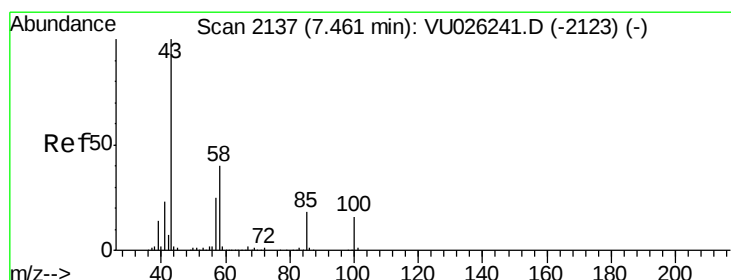
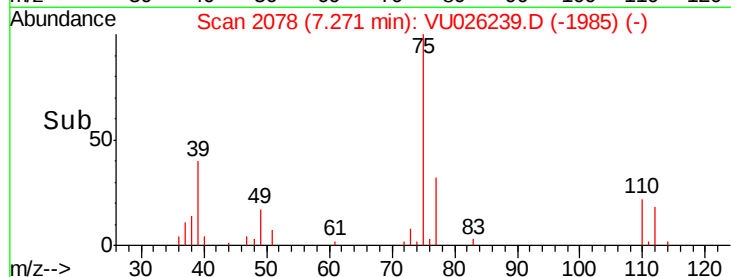
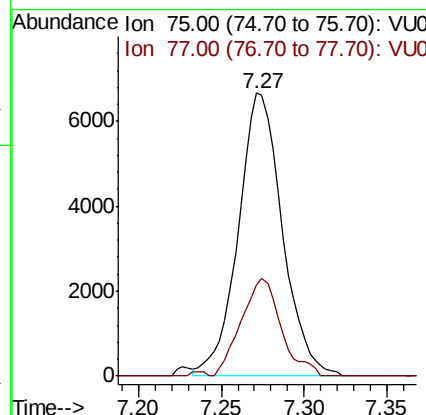
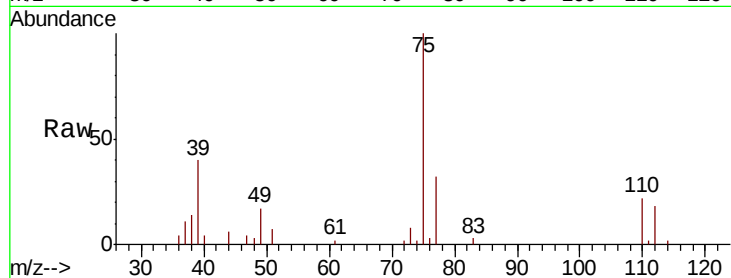


#39

cis-1,3-Dichloropropene
 Concen: 3.808 ug/L
 RT: 7.27 min Scan# 2078
 Delta R.T. -0.00 min
 Lab File: VU026239.D
 Acq: 22 Aug 2018 11:19

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00540

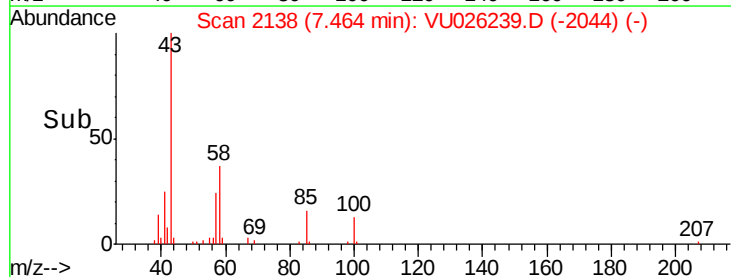
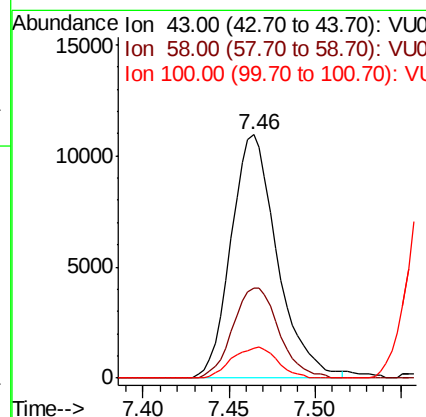
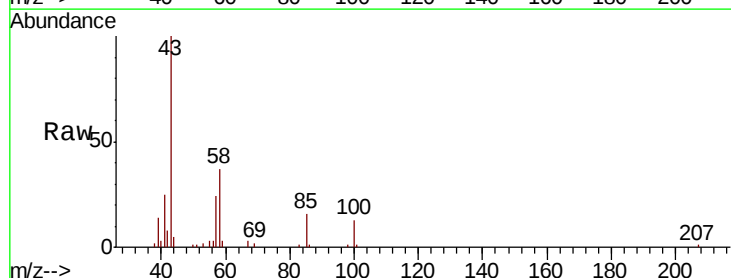
Tgt Ion: 75 Resp: 12347
 Ion Ratio Lower Upper
 75 100
 77 32.1 22.0 40.8

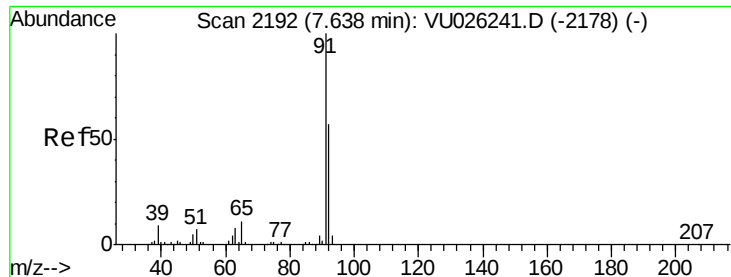


#40

4-Methyl-2-pentanone
 Concen: 7.033 ug/L
 RT: 7.46 min Scan# 2138
 Delta R.T. 0.00 min
 Lab File: VU026239.D
 Acq: 22 Aug 2018 11:19

Tgt Ion: 43 Resp: 20427
 Ion Ratio Lower Upper
 43 100
 58 36.8 31.6 47.4
 100 12.6 12.3 18.5





#42

Toluene

Concen: 3.859 ug/L

RT: 7.64 min Scan# 2193

Delta R.T. 0.00 min

Lab File: VU026239.D

Acq: 22 Aug 2018 11:19

Instrument :

MSVOA_U

ClientSampleId :

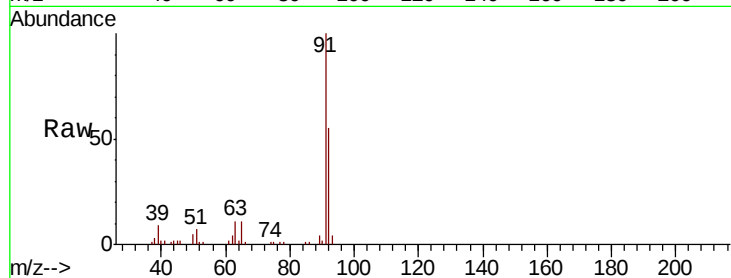
VSTD00540

Tgt Ion: 91 Resp: 32280

Ion Ratio Lower Upper

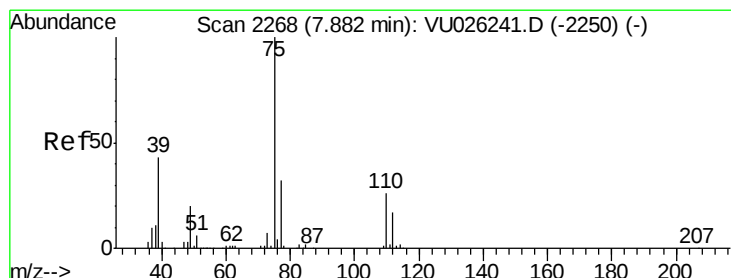
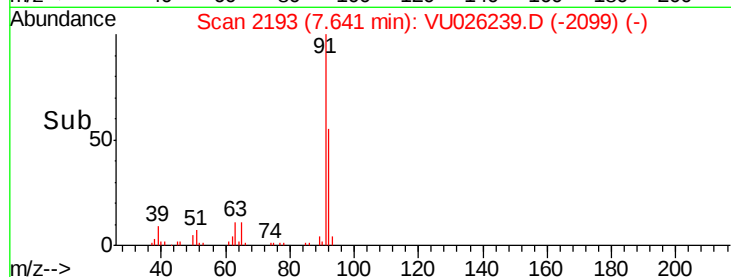
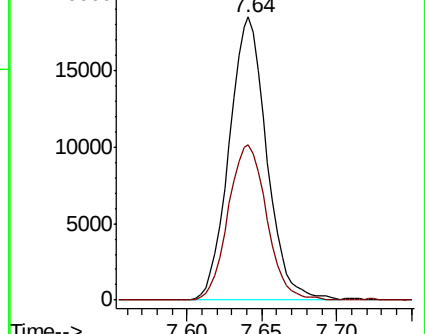
91 100

92 54.9 39.9 74.1



Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 92.00 (91.70 to 92.70): VU0



#44

trans-1,3-Dichloropropene

Concen: 3.798 ug/L

RT: 7.88 min Scan# 2268

Delta R.T. -0.00 min

Lab File: VU026239.D

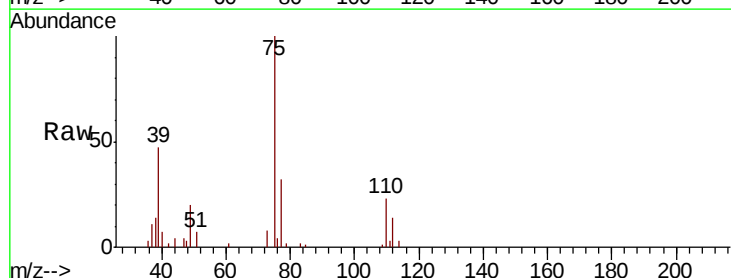
Acq: 22 Aug 2018 11:19

Tgt Ion: 75 Resp: 11803

Ion Ratio Lower Upper

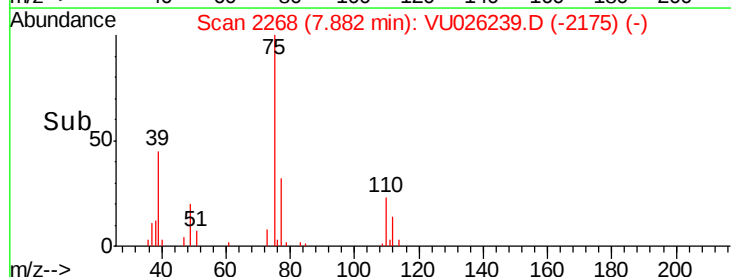
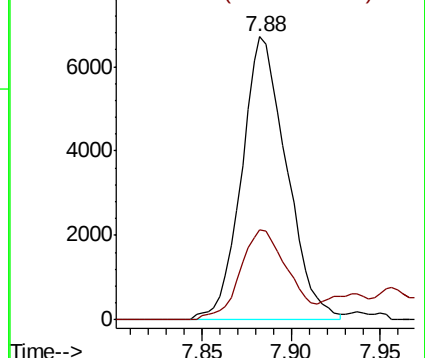
75 100

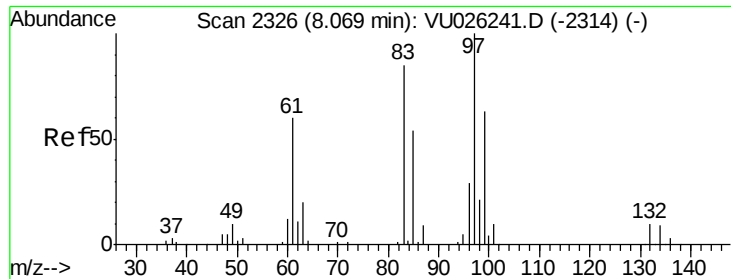
77 31.8 22.0 41.0



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0

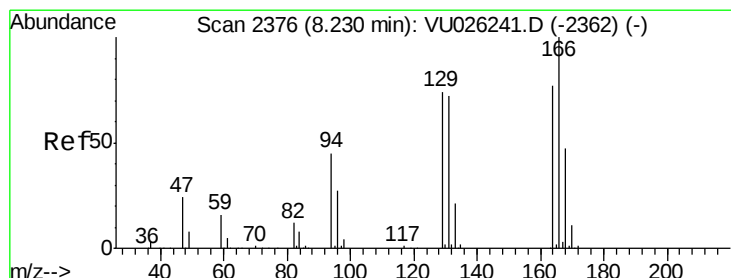
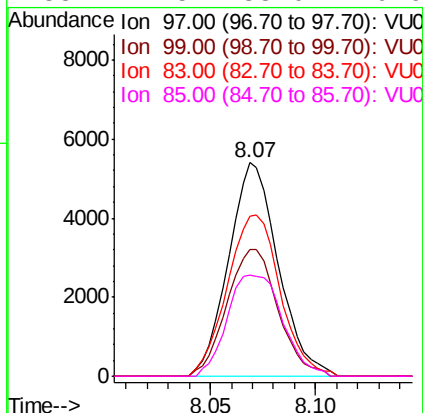
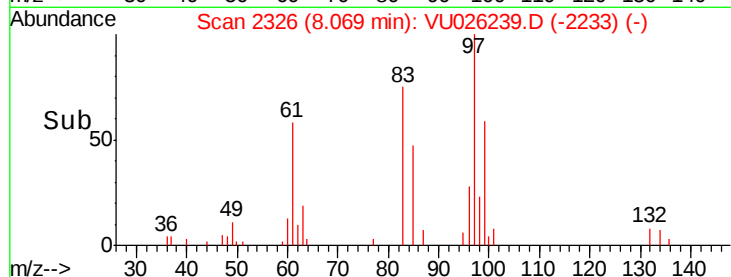
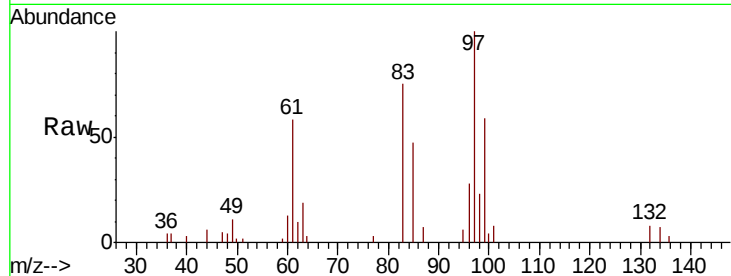




#45
 1,1,2-Trichloroethane
 Concen: 4.317 ug/L
 RT: 8.07 min Scan# 2326
 Delta R.T. -0.00 min
 Lab File: VU026239.D
 Acq: 22 Aug 2018 11:19

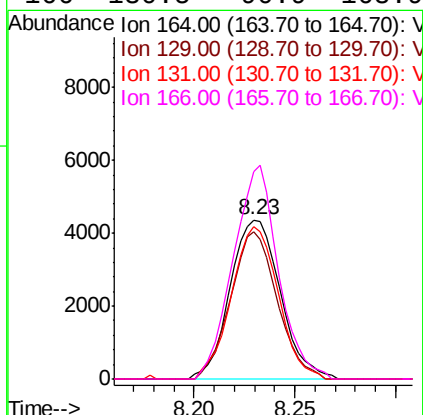
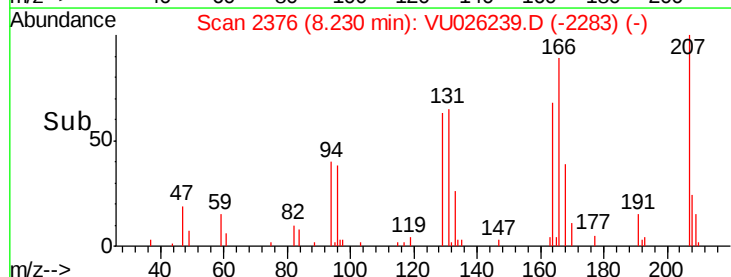
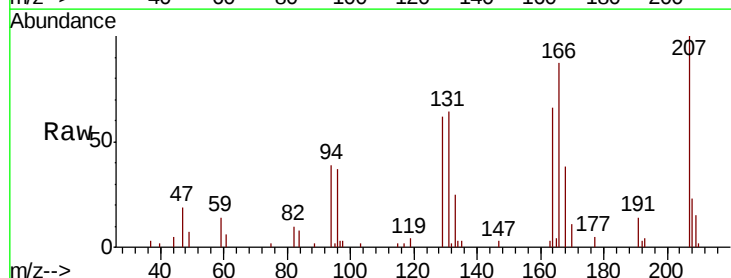
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00540

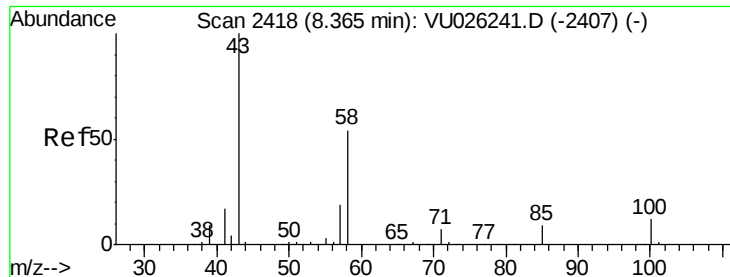
Tgt Ion:	97	Resp:	8832
Ion	Ratio	Lower	Upper
97	100		
99	59.4	44.0	81.6
83	74.9	59.2	110.0
85	47.5	38.0	70.6



#46
 Tetrachloroethene
 Concen: 4.346 ug/L
 RT: 8.23 min Scan# 2376
 Delta R.T. -0.00 min
 Lab File: VU026239.D
 Acq: 22 Aug 2018 11:19

Tgt Ion:	164	Resp:	7603
Ion	Ratio	Lower	Upper
164	100		
129	92.7	67.3	124.9
131	95.6	65.5	121.7
166	130.5	90.9	168.9

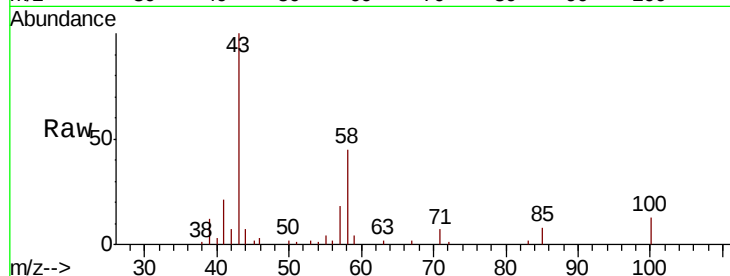




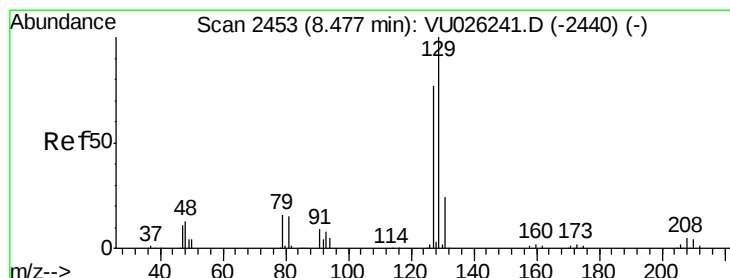
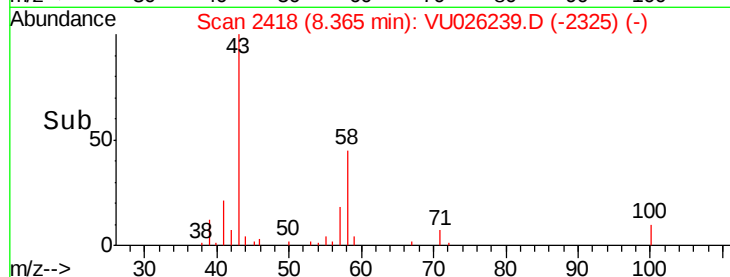
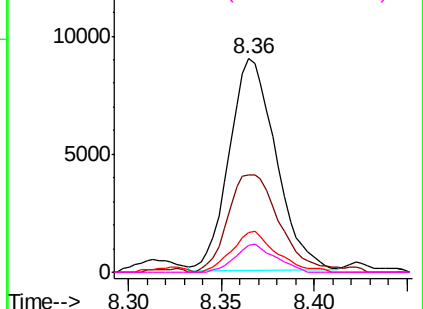
#48
2-Hexanone
Concen: 6.899 ug/L
RT: 8.36 min Scan# 2418
Delta R.T. -0.00 min
Lab File: VU026239.D
Acq: 22 Aug 2018 11:19

Instrument :
MSVOA_U
ClientSampleId :
VSTD00540

Tgt Ion: 43 Resp: 15730
Ion Ratio Lower Upper
43 100
58 51.0 42.6 63.8
57 18.4 15.1 22.7
100 11.5 9.5 14.3

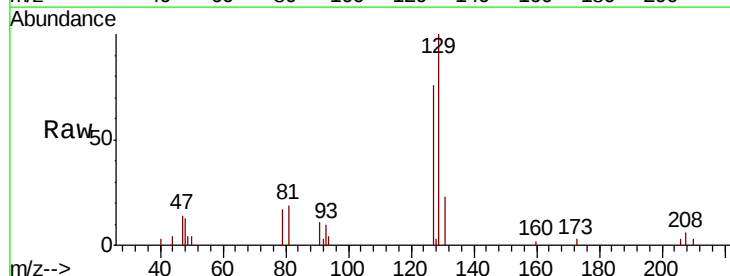


Abundance Ion 43.00 (42.70 to 43.70): VU0
Ion 58.00 (57.70 to 58.70): VU0
Ion 57.00 (56.70 to 57.70): VU0
Ion 100.00 (99.70 to 100.70): VU0

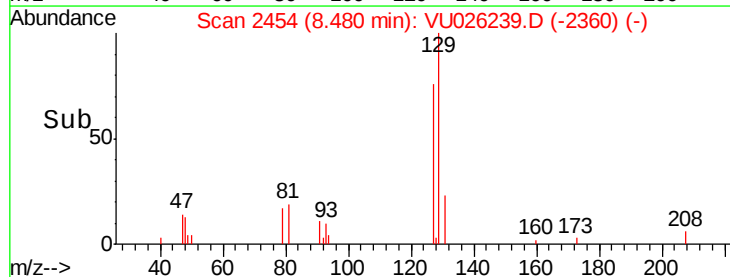
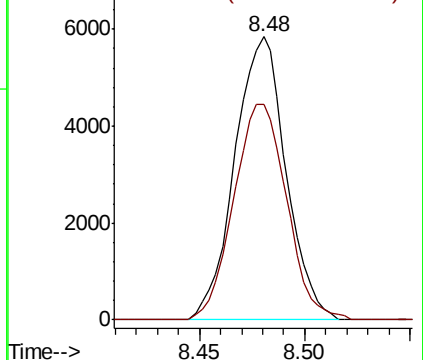


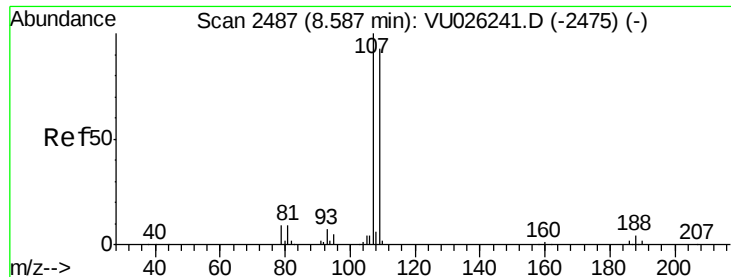
#49
Dibromochloromethane
Concen: 3.981 ug/L
RT: 8.48 min Scan# 2454
Delta R.T. 0.00 min
Lab File: VU026239.D
Acq: 22 Aug 2018 11:19

Tgt Ion: 129 Resp: 9857
Ion Ratio Lower Upper
129 100
127 76.2 53.8 100.0



Abundance Ion 129.00 (128.70 to 129.70): V
Ion 127.00 (126.70 to 127.70): V

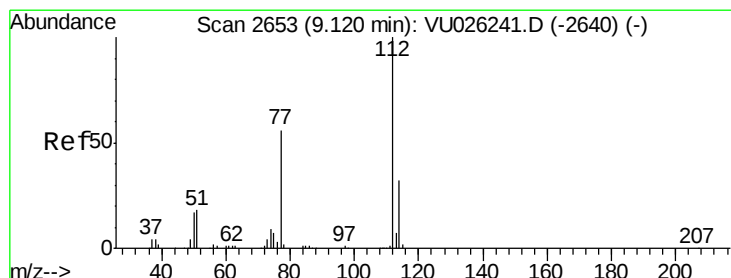
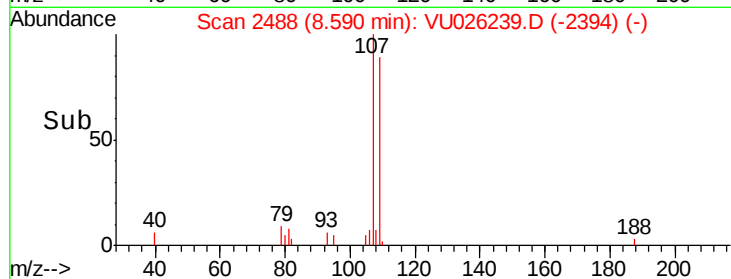
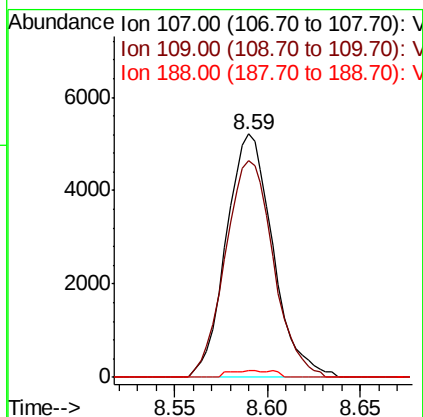
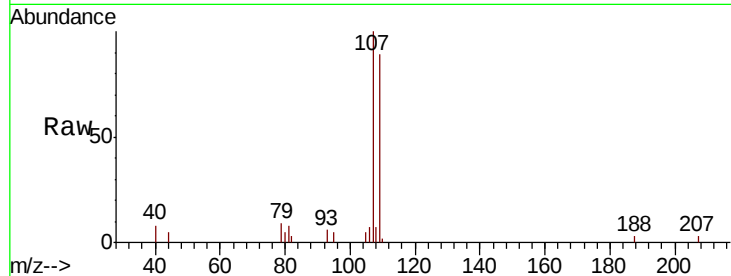




#50
 1,2-Dibromoethane
 Concen: 4.064 ug/L
 RT: 8.59 min Scan# 2488
 Delta R.T. 0.00 min
 Lab File: VU026239.D
 Acq: 22 Aug 2018 11:19

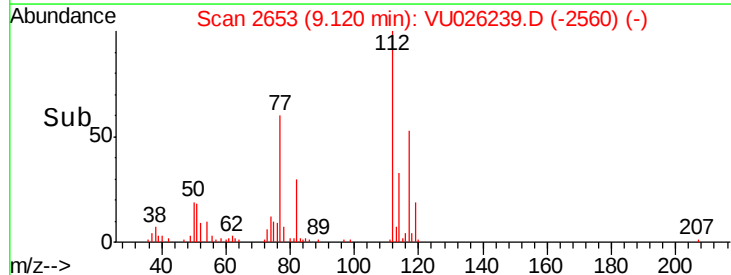
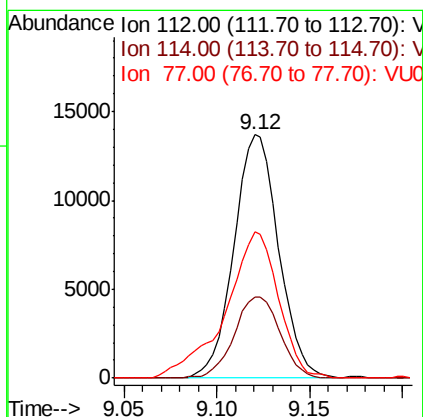
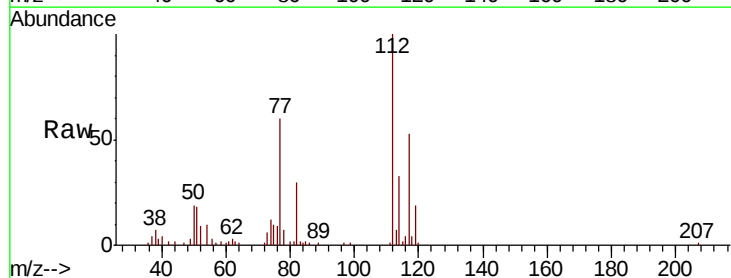
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00540

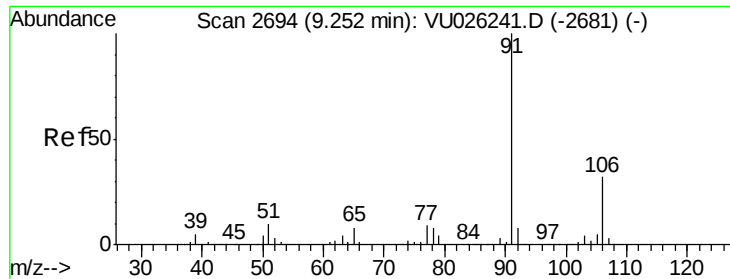
Tgt Ion:107 Resp: 9088
 Ion Ratio Lower Upper
 107 100
 109 89.0 65.2 121.0
 188 2.7 3.4 5.2#



#51
 Chlorobenzene
 Concen: 4.069 ug/L
 RT: 9.12 min Scan# 2653
 Delta R.T. -0.00 min
 Lab File: VU026239.D
 Acq: 22 Aug 2018 11:19

Tgt Ion:112 Resp: 22882
 Ion Ratio Lower Upper
 112 100
 114 33.1 22.5 41.9
 77 60.1 45.4 68.2

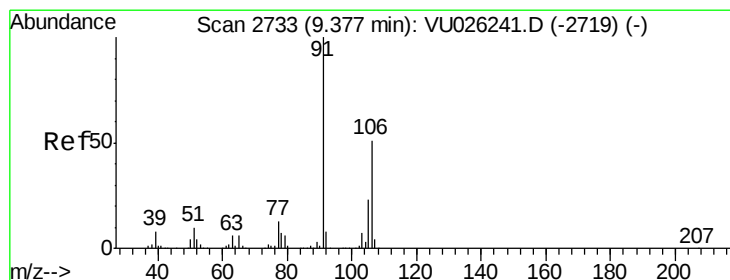
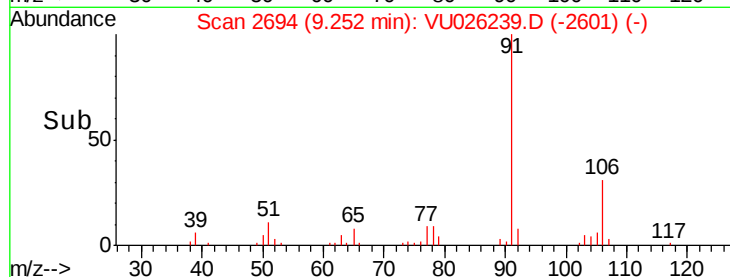
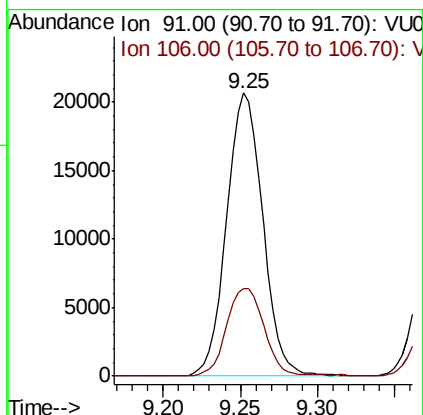
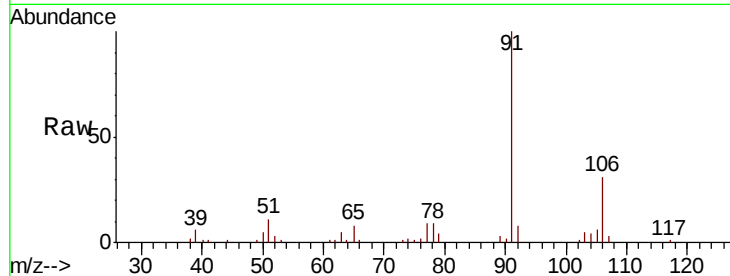




#52
Ethylbenzene
Concen: 3.666 ug/L
RT: 9.25 min Scan# 2694
Delta R.T. -0.00 min
Lab File: VU026239.D
Acq: 22 Aug 2018 11:19

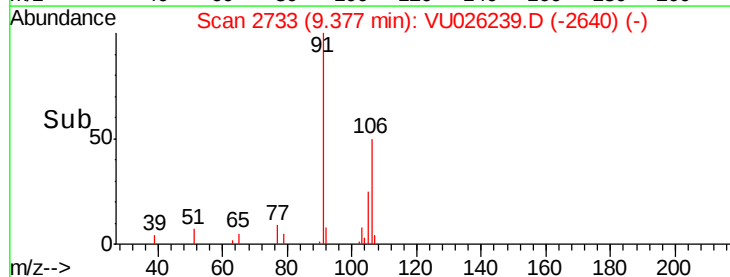
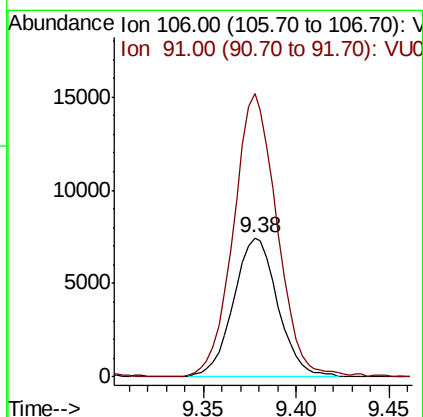
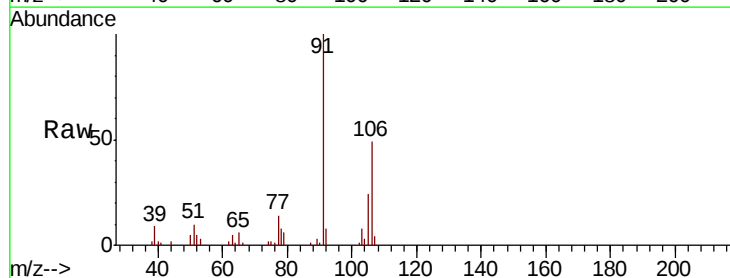
Instrument :
MSVOA_U
ClientSampleId :
VSTD00540

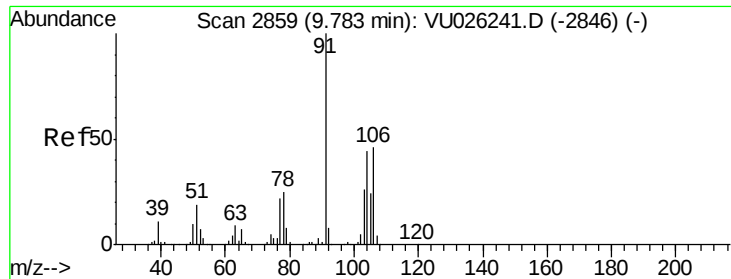
Tgt Ion: 91 Resp: 33500
Ion Ratio Lower Upper
91 100
106 31.0 22.3 41.5



#53
m,p-Xylene
Concen: 3.511 ug/L
RT: 9.38 min Scan# 2733
Delta R.T. -0.00 min
Lab File: VU026239.D
Acq: 22 Aug 2018 11:19

Tgt Ion: 106 Resp: 12297
Ion Ratio Lower Upper
106 100
91 203.2 136.6 253.8

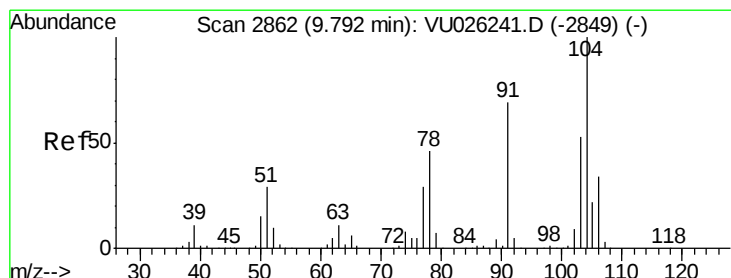
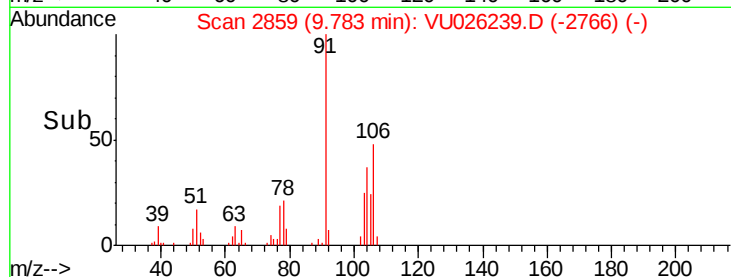
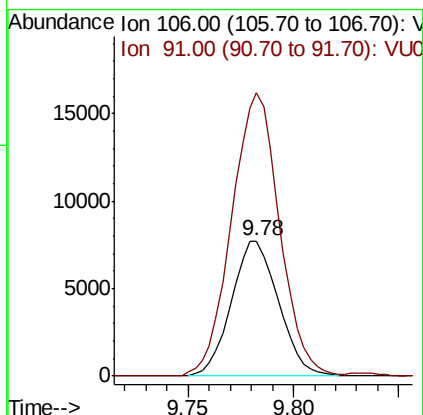
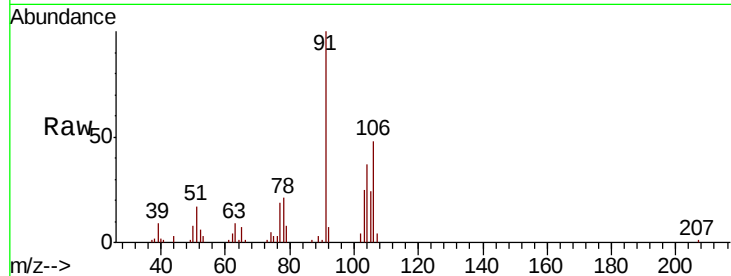




#54
o-xylene
Concen: 3.462 ug/L
RT: 9.78 min Scan# 2859
Delta R.T. -0.00 min
Lab File: VU026239.D
Acq: 22 Aug 2018 11:19

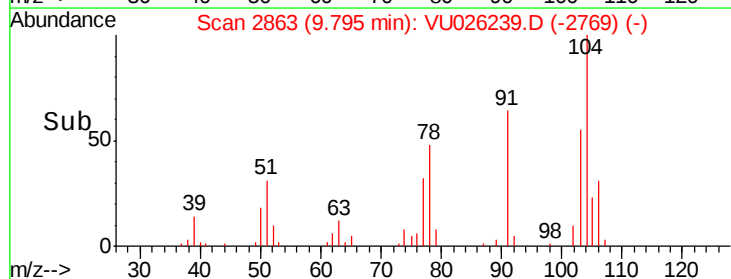
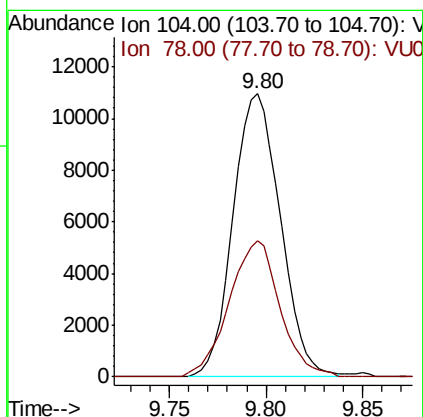
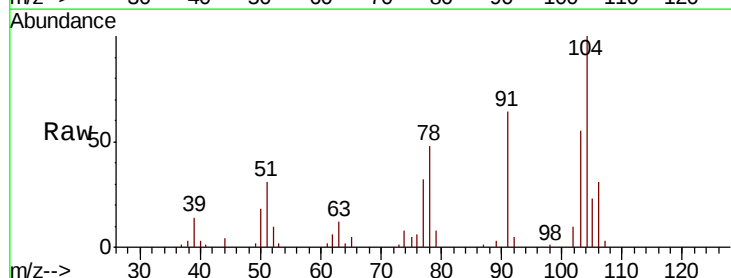
Instrument :
MSVOA_U
ClientSampleId :
VSTD00540

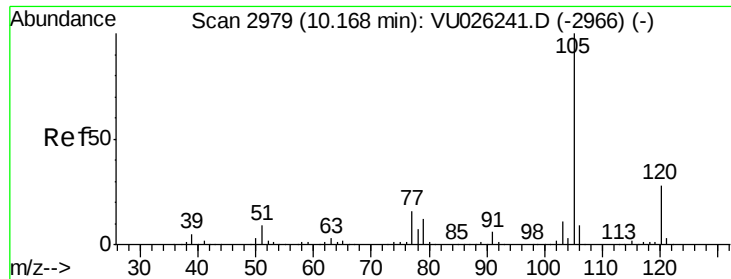
Tgt Ion:106 Resp: 11990
Ion Ratio Lower Upper
106 100
91 209.3 151.2 280.8



#55
Styrene
Concen: 3.216 ug/L
RT: 9.80 min Scan# 2863
Delta R.T. 0.00 min
Lab File: VU026239.D
Acq: 22 Aug 2018 11:19

Tgt Ion:104 Resp: 18646
Ion Ratio Lower Upper
104 100
78 48.2 32.3 60.1





#56

Isopropylbenzene

Concen: 3.270 ug/L

RT: 10.17 min Scan# 2979

Delta R.T. -0.00 min

Lab File: VU026239.D

Acq: 22 Aug 2018 11:19

Instrument :

MSVOA_U

ClientSampleId :

VSTD00540

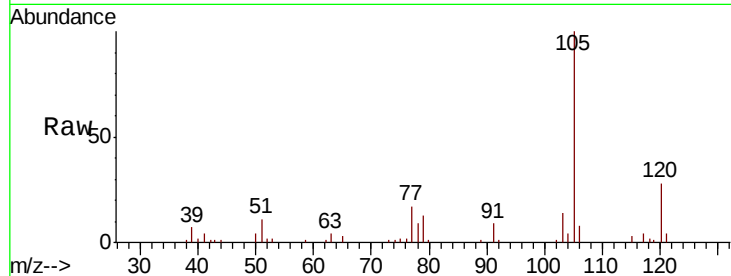
Tgt Ion: 105 Resp: 29102

Ion Ratio Lower Upper

105 100

120 27.5 21.9 32.9

77 16.3 12.4 18.6

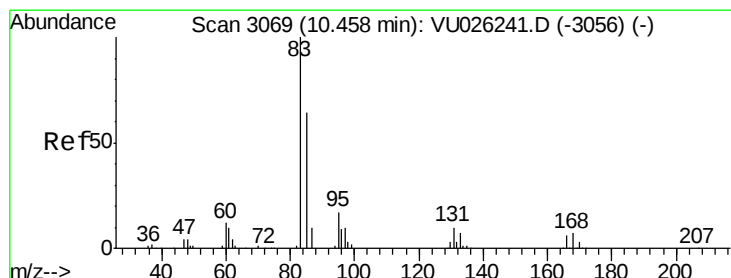
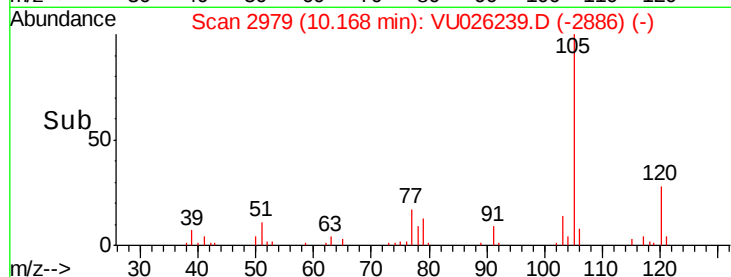
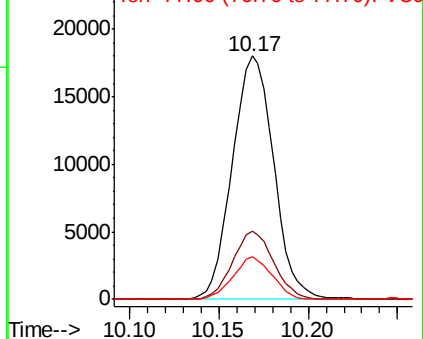


Abundance

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



#58

1,1,2,2-Tetrachloroethane

Concen: 4.051 ug/L

RT: 10.46 min Scan# 3069

Delta R.T. -0.00 min

Lab File: VU026239.D

Acq: 22 Aug 2018 11:19

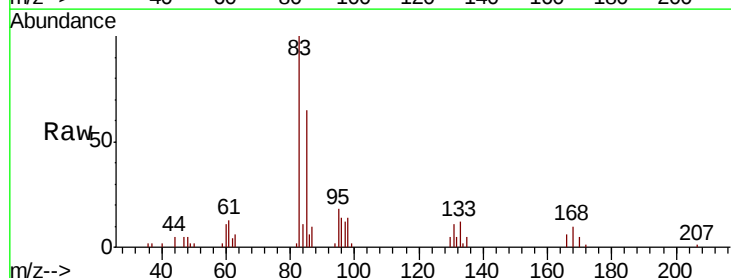
Tgt Ion: 83 Resp: 14081

Ion Ratio Lower Upper

83 100

85 65.3 44.9 83.3

131 10.7 8.2 12.2

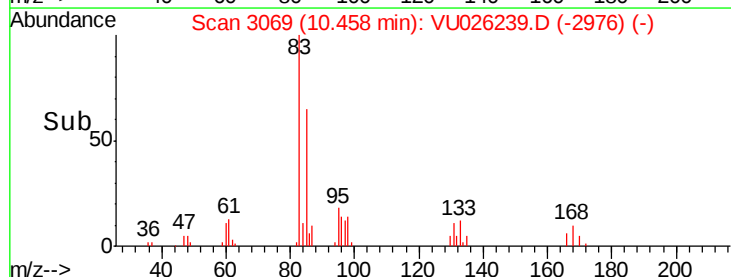
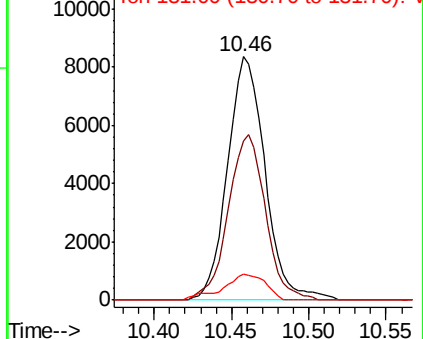


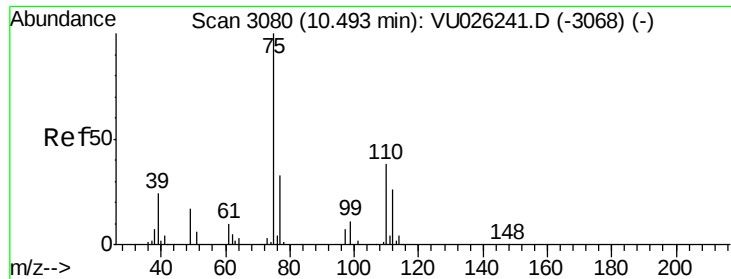
Abundance

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

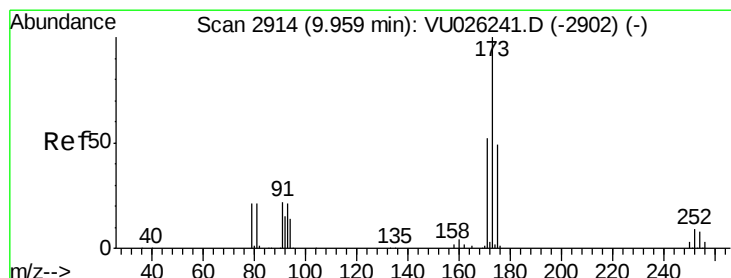
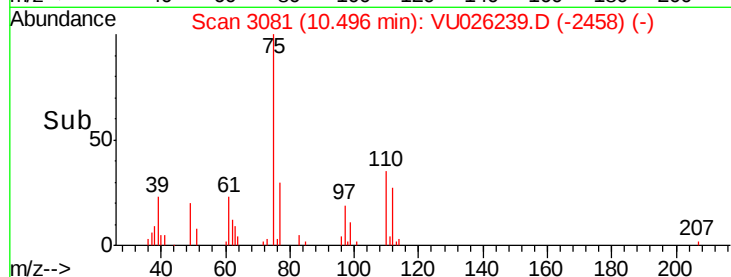
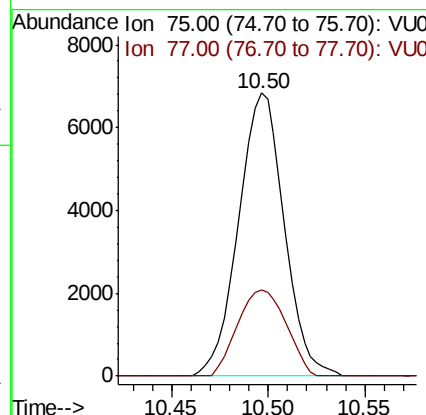
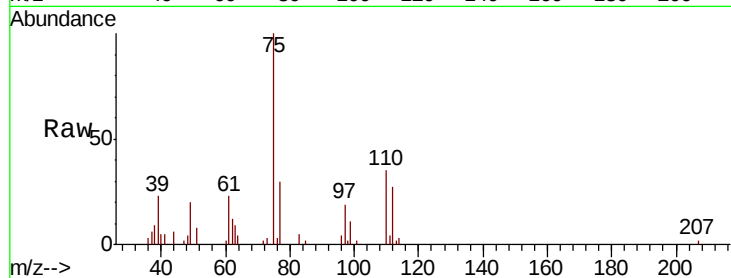




#59
 1,2,3-Trichloropropane
 Concen: 4.078 ug/L
 RT: 10.50 min Scan# 3081
 Delta R.T. 0.00 min
 Lab File: VU026239.D
 Acq: 22 Aug 2018 11:19

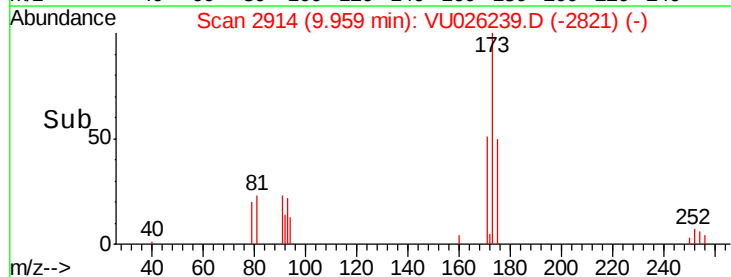
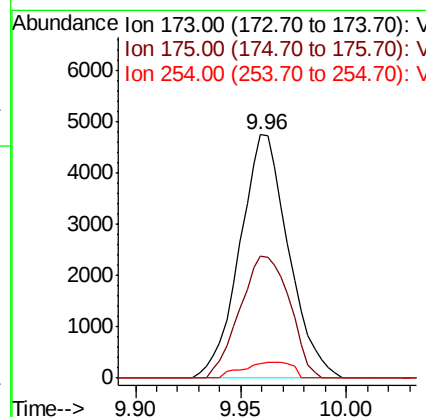
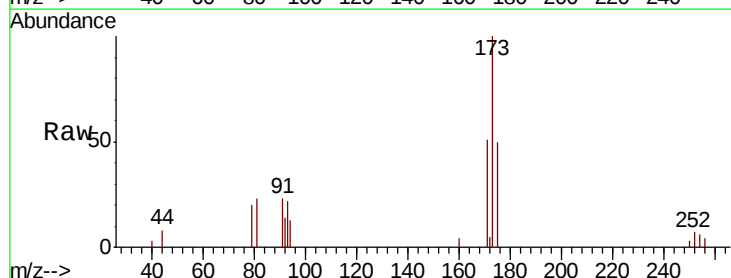
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00540

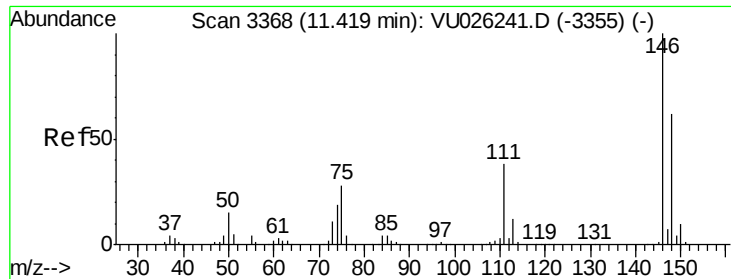
Tgt Ion: 75 Resp: 11233
 Ion Ratio Lower Upper
 75 100
 77 32.3 25.5 38.3



#61
 Bromoform
 Concen: 4.367 ug/L
 RT: 9.96 min Scan# 2914
 Delta R.T. -0.00 min
 Lab File: VU026239.D
 Acq: 22 Aug 2018 11:19

Tgt Ion: 173 Resp: 7624
 Ion Ratio Lower Upper
 173 100
 175 51.1 39.4 59.2
 254 6.6 7.0 10.4#

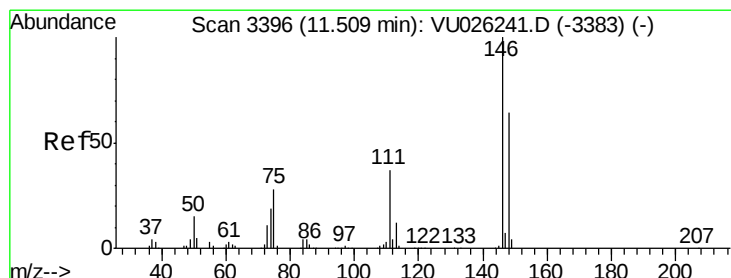
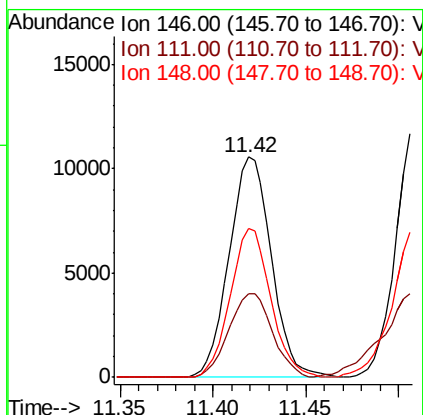
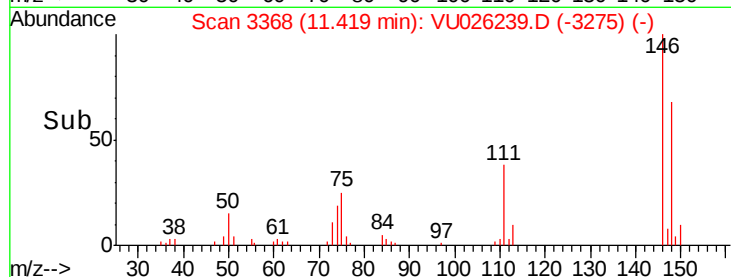
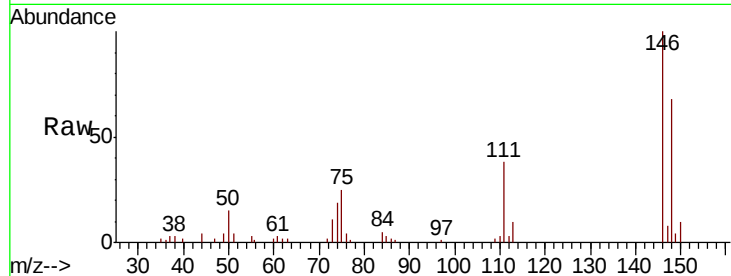




#62
 1,3-Dichlorobenzene
 Concen: 4.154 ug/L
 RT: 11.42 min Scan# 3368
 Delta R.T. -0.00 min
 Lab File: VU026239.D
 Acq: 22 Aug 2018 11:19

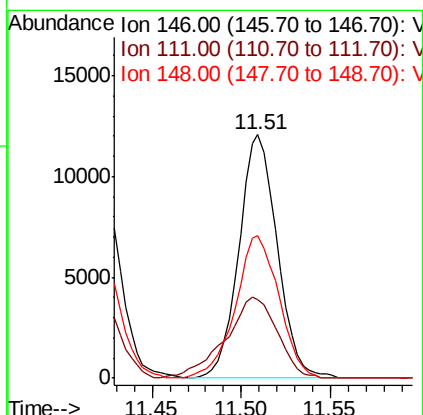
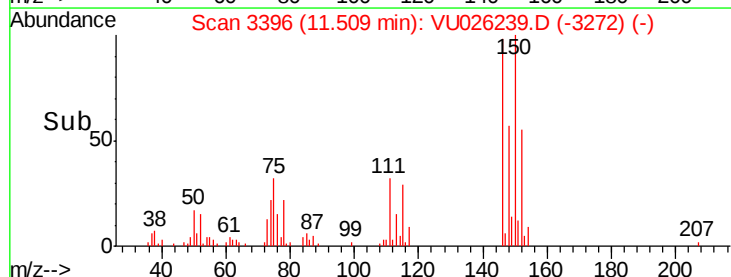
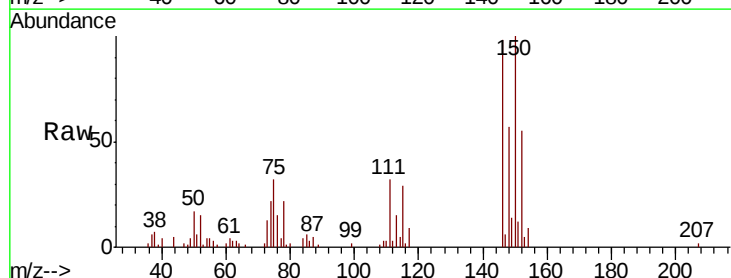
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00540

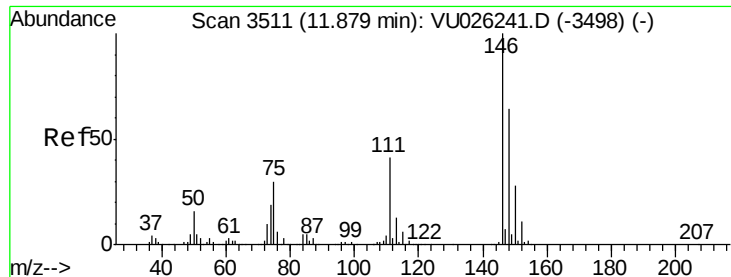
Tgt Ion:146 Resp: 16734
 Ion Ratio Lower Upper
 146 100
 111 37.7 26.9 50.1
 148 67.6 43.7 81.1



#63
 1,4-Dichlorobenzene
 Concen: 4.273 ug/L
 RT: 11.51 min Scan# 3396
 Delta R.T. -0.00 min
 Lab File: VU026239.D
 Acq: 22 Aug 2018 11:19

Tgt Ion:146 Resp: 18039
 Ion Ratio Lower Upper
 146 100
 111 32.3 25.9 48.1
 148 58.4 44.5 82.7





#65

1,2-Dichlorobenzene

Concen: 4.116 ug/L

RT: 11.88 min Scan# 3512

Delta R.T. 0.00 min

Lab File: VU026239.D

Acq: 22 Aug 2018 11:19

Instrument :

MSVOA_U

ClientSampleId :

VSTD00540

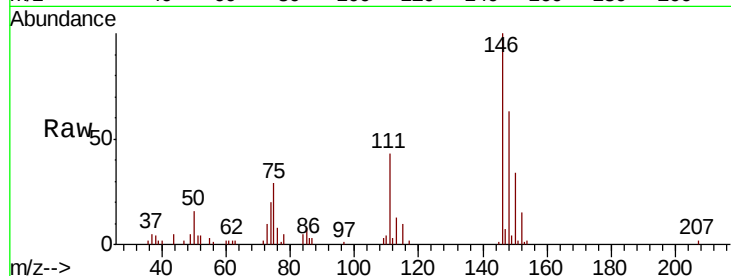
Tgt Ion:146 Resp: 17613

Ion Ratio Lower Upper

146 100

111 43.2 32.6 48.8

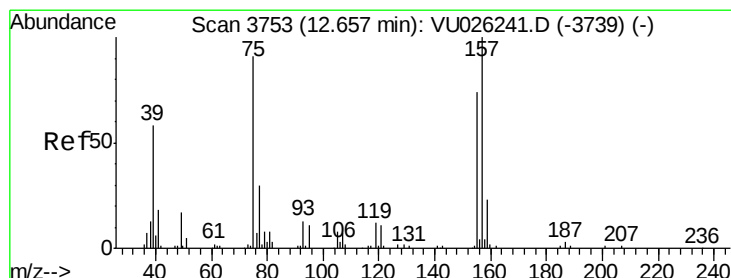
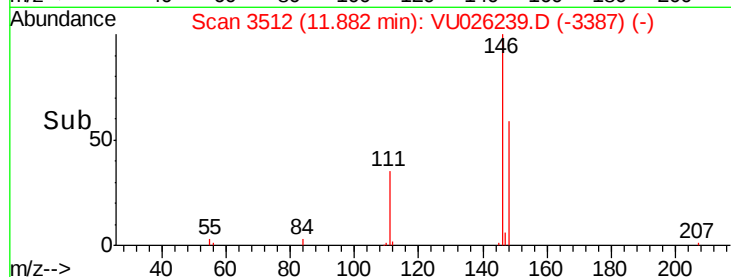
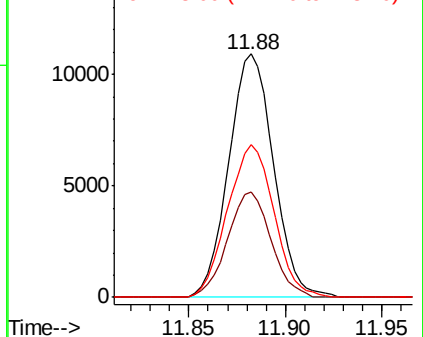
148 62.7 51.0 76.4



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: 4.080 ug/L

RT: 12.66 min Scan# 3753

Delta R.T. -0.00 min

Lab File: VU026239.D

Acq: 22 Aug 2018 11:19

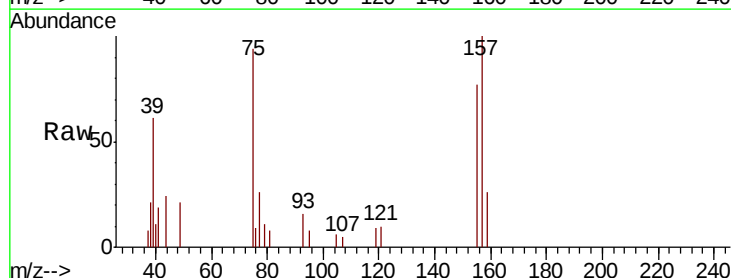
Tgt Ion: 75 Resp: 3046

Ion Ratio Lower Upper

75 100

155 81.5 65.0 97.6

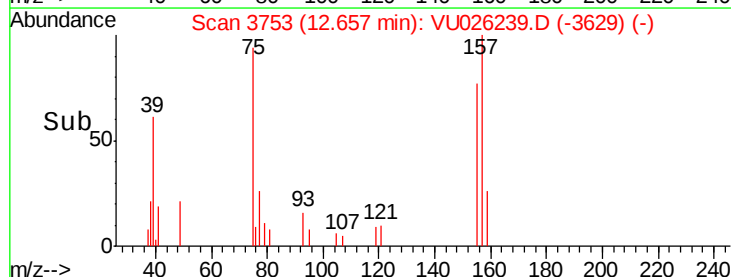
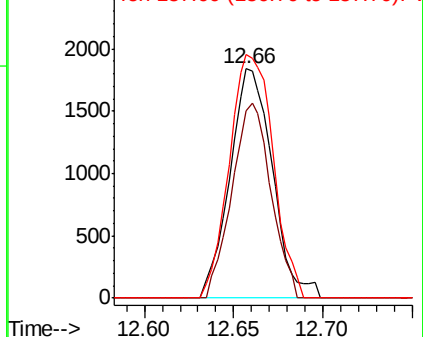
157 106.1 87.5 131.3

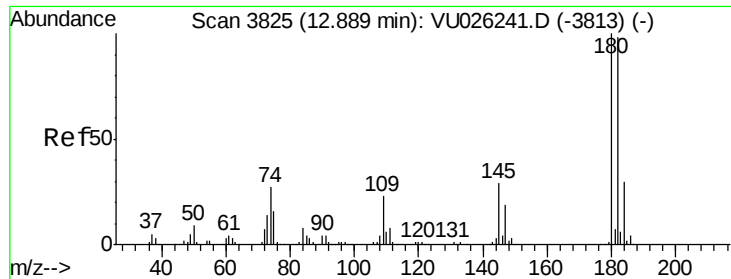


Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

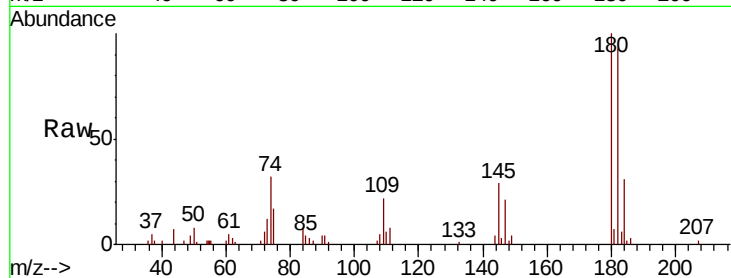




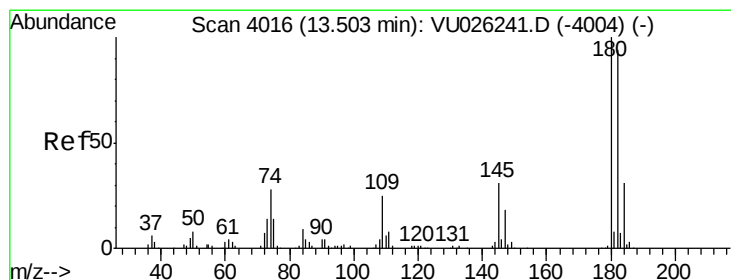
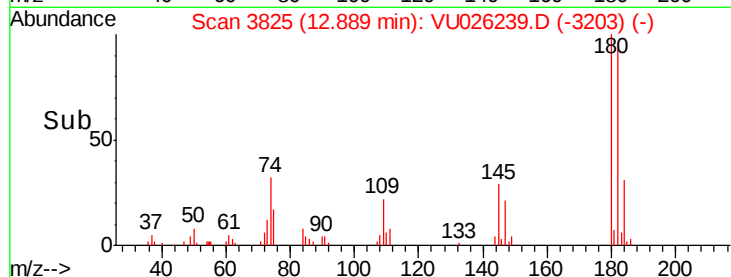
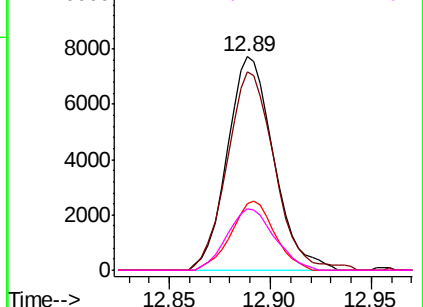
#67
 1,3,5-Trichlorobenzene
 Concen: 4.115 ug/L
 RT: 12.89 min Scan# 3825
 Delta R.T. -0.00 min
 Lab File: VU026239.D
 Acq: 22 Aug 2018 11:19

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00540

Tgt Ion:180 Resp: 12454
 Ion Ratio Lower Upper
 180 100
 182 94.7 77.9 116.9
 184 30.3 24.2 36.4
 145 29.4 23.4 35.2

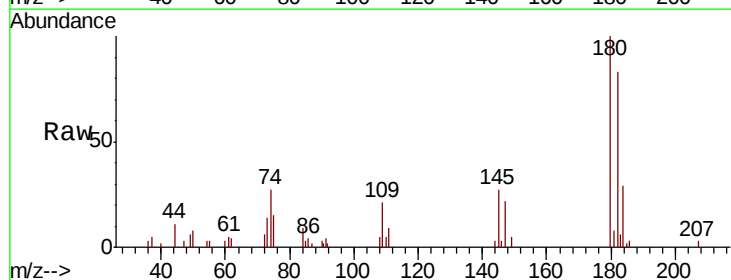


Abundance Ion 180.00 (179.70 to 180.70): V
 12000
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

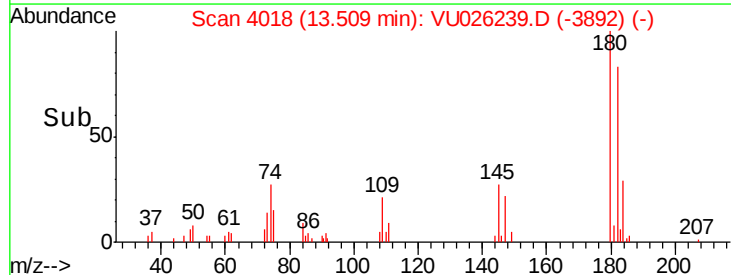
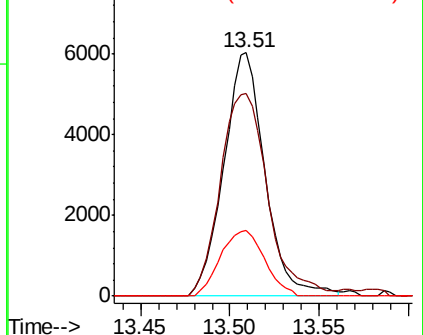


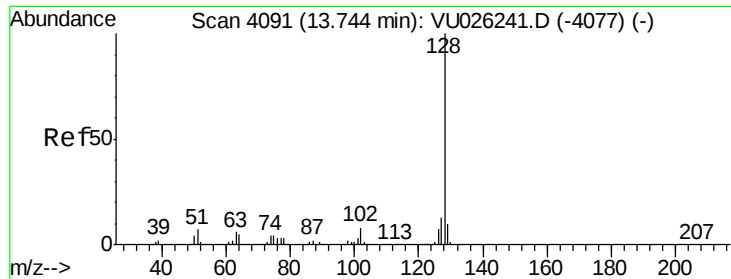
#68
 1,2,4-trichlorobenzene
 Concen: 3.761 ug/L
 RT: 13.51 min Scan# 4018
 Delta R.T. 0.01 min
 Lab File: VU026239.D
 Acq: 22 Aug 2018 11:19

Tgt Ion:180 Resp: 9697
 Ion Ratio Lower Upper
 180 100
 182 95.0 75.8 113.6
 145 28.7 23.8 35.8



Abundance Ion 180.00 (179.70 to 180.70): V
 8000
 Ion 182.00 (181.70 to 182.70): V
 Ion 145.00 (144.70 to 145.70): V





#69

Naphthalene

Concen: 3.011 ug/L

RT: 13.75 min Scan# 4092

Delta R.T. 0.00 min

Lab File: VU026239.D

Acq: 22 Aug 2018 11:19

Instrument :

MSVOA_U

ClientSampleId :

VSTD00540

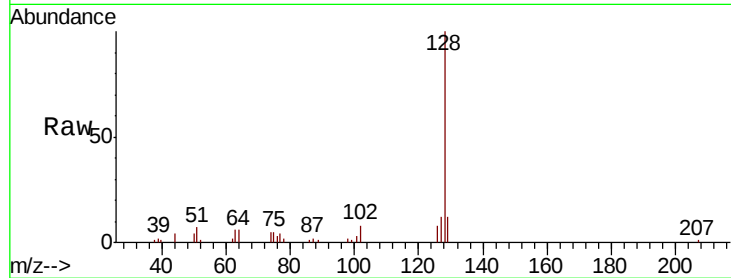
Tgt Ion:128 Resp: 24742

Ion Ratio Lower Upper

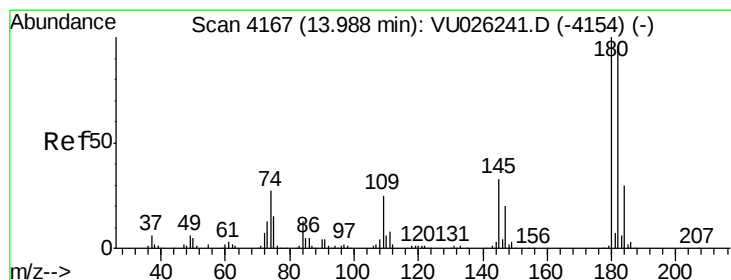
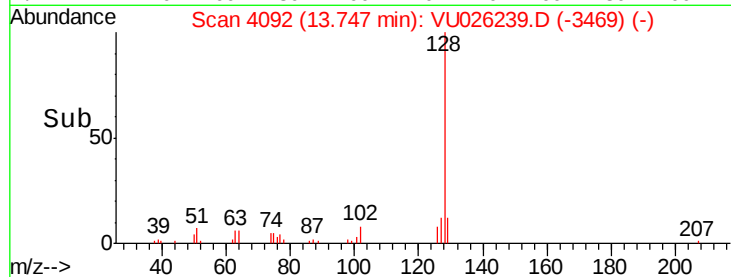
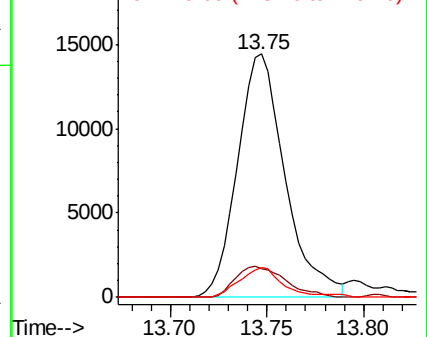
128 100

127 13.4 10.4 15.6

129 11.4 8.4 12.6



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#70

1,2,3-Trichlorobenzene

Concen: 3.720 ug/L

RT: 13.99 min Scan# 4168

Delta R.T. 0.00 min

Lab File: VU026239.D

Acq: 22 Aug 2018 11:19

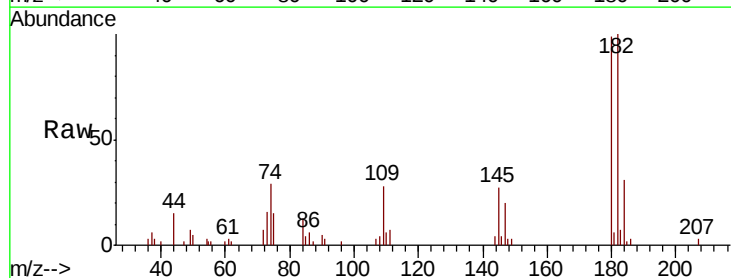
Tgt Ion:180 Resp: 10272

Ion Ratio Lower Upper

180 100

182 103.7 77.6 116.4

145 30.9 26.2 39.2



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

