

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VV080918\
 Data File : VU025978.D
 Acq On : 08 Aug 2018 19:17
 Operator : MD/SY
 Sample : VSTD00542
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00542

Quant Time: Aug 09 01:27:04 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM080918WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Aug 09 01:26:57 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.89	114	293694	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	274763	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.49	152	119205	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	10948	6.39	ug/L	0.00
7) Chloroethane-d5	1.68	69	8472	6.50	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.27	63	19970	5.94	ug/L	0.00
21) 2-Butanone-d5	4.19	46	17383	14.08	ug/L	0.00
24) Chloroform-d	4.65	84	22951	6.73	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.32	65	16169	7.17	ug/L	0.00
32) Benzene-d6	5.35	84	42178	6.47	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.34	67	13635	6.67	ug/L	0.00
41) Toluene-d8	7.57	98	39593	6.28	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.85	79	6351	5.98	ug/L	0.00
47) 2-Hexanone-d5	8.32	63	11017	12.63	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.44	84	19097	6.64	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.86	152	14735	6.89	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.20	85	12909	5.619 ug/L	99
3) Chloromethane	1.33	50	11891	6.087 ug/L	96
5) Vinyl chloride	1.40	62	10807	5.232 ug/L	93
6) Bromomethane	1.63	94	5448	5.644 ug/L	89
8) Chloroethane	1.70	64	7014	5.875 ug/L	89
9) Trichlorofluoromethane	1.89	101	16097	5.450 ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.29	101	9339	5.579 ug/L	98
12) 1,1-Dichloroethene	2.28	96	8588	5.628 ug/L	92
13) Acetone	2.32	43	12947	10.083 ug/L	98
14) Carbon disulfide	2.48	76	27581	5.154 ug/L	97
15) Methyl Acetate	2.62	43	11867	5.709 ug/L	100
16) Methylene chloride	2.70	84	12406	6.342 ug/L	97
17) trans-1,2-Dichloroethene	2.99	96	9201	5.013 ug/L	94
18) Methyl tert-butyl Ether	3.00	73	30233	5.160 ug/L	96
19) 1,1-Dichloroethane	3.45	63	18898	5.629 ug/L	97
20) cis-1,2-Dichloroethene	4.23	96	10919	5.314 ug/L	93
22) 2-Butanone	4.27	43	15489	9.447 ug/L	98
23) Bromochloromethane	4.55	128	5807	5.340 ug/L	94
25) Chloroform	4.68	83	19037	5.350 ug/L	96
27) 1,2-Dichloroethane	5.41	62	16117	5.638 ug/L	95
29) Cyclohexane	5.00	56	14349	4.895 ug/L	97
30) 1,1,1-Trichloroethane	4.92	97	17895	5.628 ug/L	98
31) Carbon tetrachloride	5.14	117	15812	5.534 ug/L	96
33) Benzene	5.39	78	38038	5.220 ug/L	100
34) Trichloroethene	6.19	95	10145	5.051 ug/L	95
35) Methylcyclohexane	6.42	83	14419	4.729 ug/L	99
37) 1,2-Dichloropropane	6.44	63	10586	5.426 ug/L	# 96
38) Bromodichloromethane	6.76	83	13741	5.195 ug/L	# 98
39) cis-1,3-Dichloropropene	7.27	75	14630	4.631 ug/L	96
40) 4-Methyl-2-pentanone	7.46	43	26751	10.005 ug/L	97

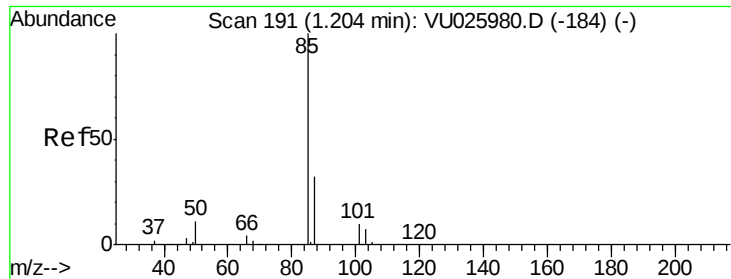
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VV080918\
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 Quant Title : VOC Analysis
 QLast Update : Thu Aug 09 01:26:57 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.64	91	38833	4.894	ug/L	99
44) trans-1,3-Dichloropropene	7.89	75	13942	4.699	ug/L	99
45) 1,1,2-Trichloroethane	8.07	97	9926	5.296	ug/L	93
46) Tetrachloroethene	8.23	164	8442	4.914	ug/L	96
48) 2-Hexanone	8.37	43	20402	9.535	ug/L	97
49) Dibromochloromethane	8.48	129	11146	4.876	ug/L	89
50) 1,2-Dibromoethane	8.59	107	10964	5.277	ug/L	95
51) Chlorobenzene	9.12	112	26427	4.885	ug/L	98
52) Ethylbenzene	9.26	91	41322	4.618	ug/L	100
53) m,p-Xylene	9.38	106	14904	4.242	ug/L	99
54) o-xylene	9.78	106	15193	4.531	ug/L	96
55) Styrene	9.80	104	23314	4.135	ug/L	98
56) Isopropylbenzene	10.17	105	37688	4.236	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.46	83	16936	5.366	ug/L	100
59) 1,2,3-Trichloropropane	10.50	75	13298	5.343	ug/L	100
61) Bromoform	9.96	173	8125	5.821	ug/L #	97
62) 1,3-Dichlorobenzene	11.42	146	18499	5.182	ug/L	88
63) 1,4-Dichlorobenzene	11.51	146	20432	5.589	ug/L	98
65) 1,2-Dichlorobenzene	11.88	146	19848	5.474	ug/L	95
66) 1,2-Dibromo-3-chloropropan	12.66	75	3618	6.414	ug/L	92
67) 1,3,5-Trichlorobenzene	12.89	180	13109	4.958	ug/L	96
68) 1,2,4-trichlorobenzene	13.51	180	10633	4.700	ug/L	97
69) Naphthalene	13.75	128	30877	4.512	ug/L	99
70) 1,2,3-Trichlorobenzene	13.99	180	10894	4.605	ug/L	97

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



#2

Dichlorodifluoromethane

Concen: 5.619 ug/L

RT: 1.20 min Scan# 191

Delta R.T. 0.00 min

Lab File: VU025978.D

Acq: 08 Aug 2018 19:17

Instrument :

MSVOA_U

ClientSampleId :

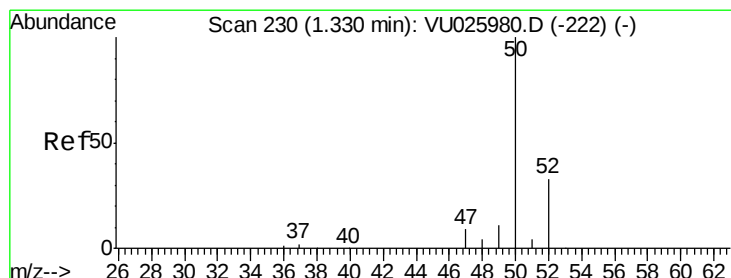
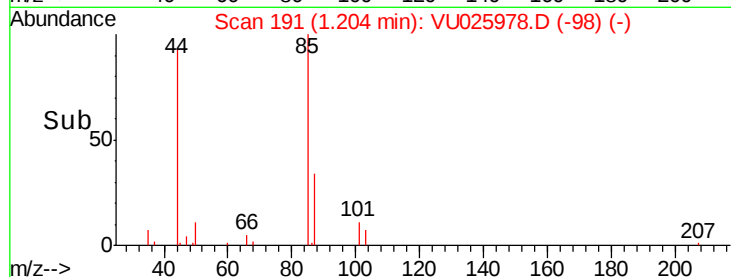
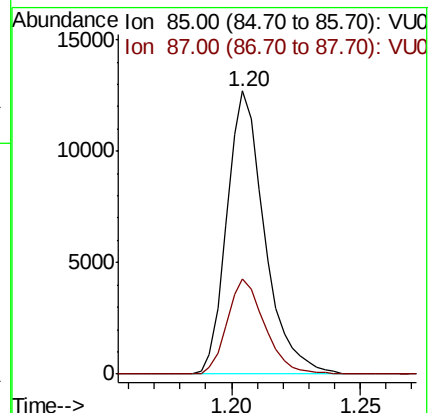
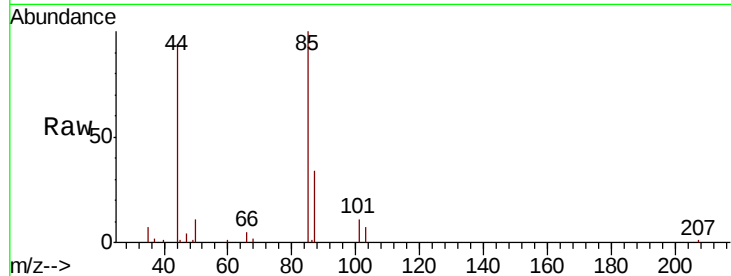
VSTD00542

Tgt Ion: 85 Resp: 12909

Ion Ratio Lower Upper

85 100

87 33.3 26.1 39.1



#3

Chloromethane

Concen: 6.087 ug/L

RT: 1.33 min Scan# 230

Delta R.T. 0.00 min

Lab File: VU025978.D

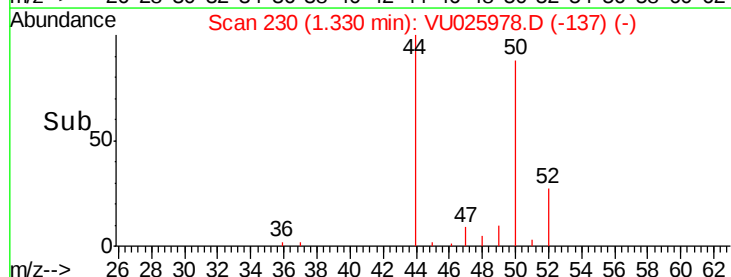
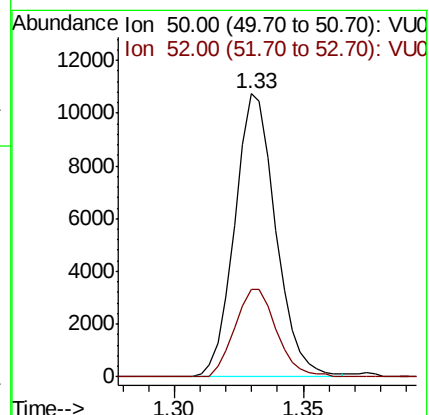
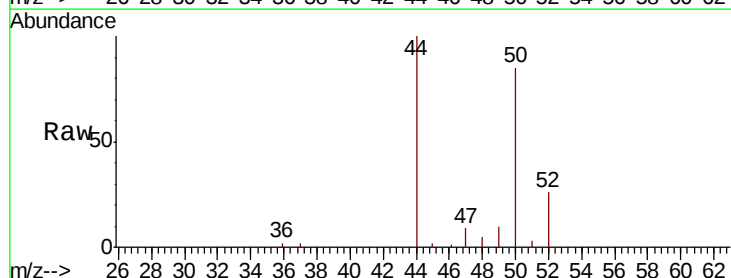
Acq: 08 Aug 2018 19:17

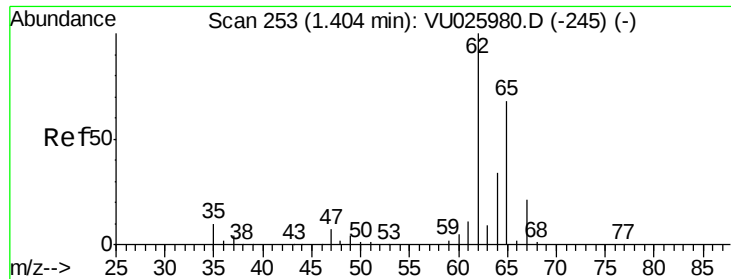
Tgt Ion: 50 Resp: 11891

Ion Ratio Lower Upper

50 100

52 30.9 23.4 43.4





#5

Vinyl chloride

Concen: 5.232 ug/L

RT: 1.40 min Scan# 253

Delta R.T. 0.00 min

Lab File: VU025978.D

Acq: 08 Aug 2018 19:17

Instrument :

MSVOA_U

ClientSampleId :

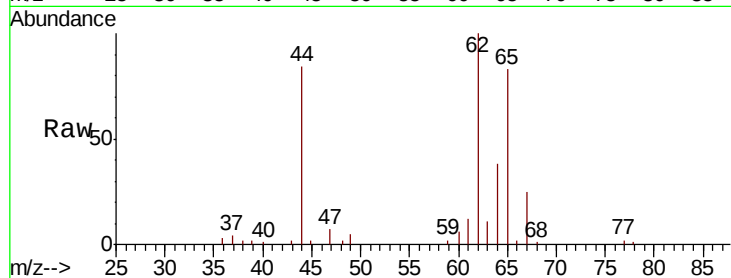
VSTD00542

Tgt Ion: 62 Resp: 10807

Ion Ratio Lower Upper

62 100

64 37.6 23.7 43.9



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 64.00 (63.70 to 64.70): VU0

12000

10000

8000

6000

4000

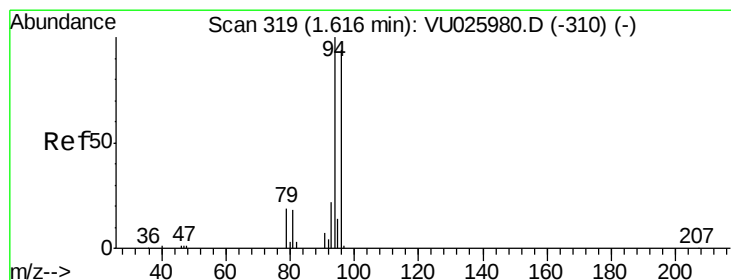
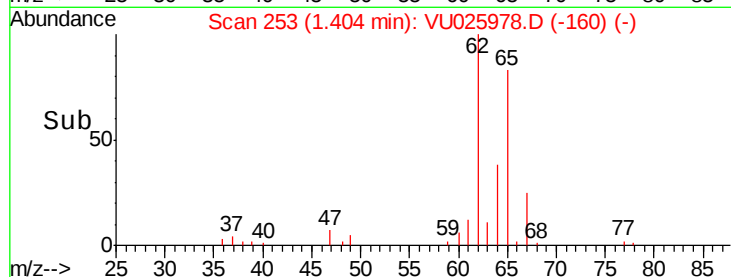
2000

0

Time-->

1.40

1.45



#6

Bromomethane

Concen: 5.644 ug/L

RT: 1.63 min Scan# 322

Delta R.T. 0.01 min

Lab File: VU025978.D

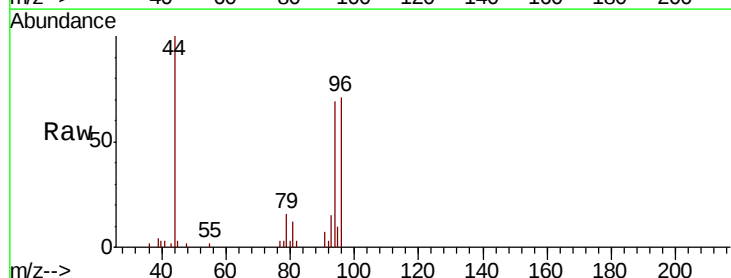
Acq: 08 Aug 2018 19:17

Tgt Ion: 94 Resp: 5448

Ion Ratio Lower Upper

94 100

96 103.8 65.6 121.8



Abundance Ion 94.00 (93.70 to 94.70): VU0

Ion 96.00 (95.70 to 96.70): VU0

5000

4000

3000

2000

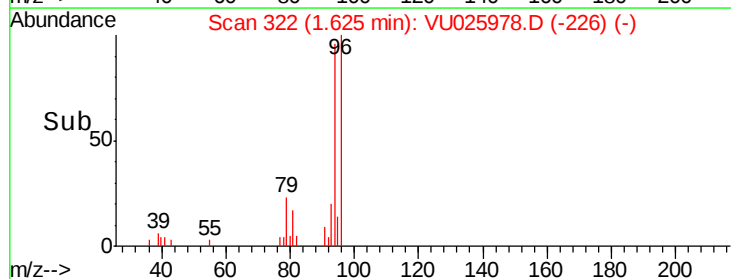
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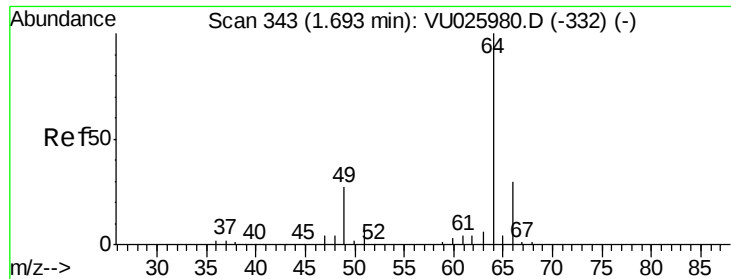
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Time-->

1.60

1.65





#8

Chloroethane

Concen: 5.875 ug/L

RT: 1.70 min Scan# 345

Delta R.T. 0.01 min

Lab File: VU025978.D

Acq: 08 Aug 2018 19:17

Instrument :

MSVOA_U

ClientSampleId :

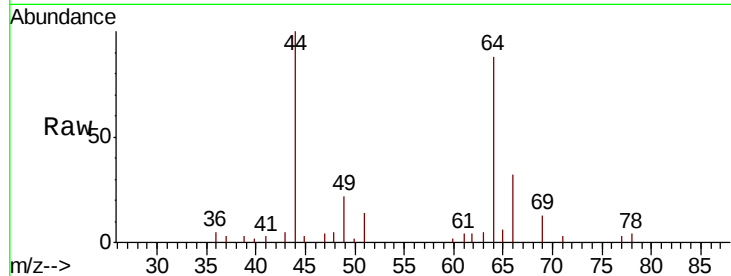
VSTD00542

Tgt Ion: 64 Resp: 7014

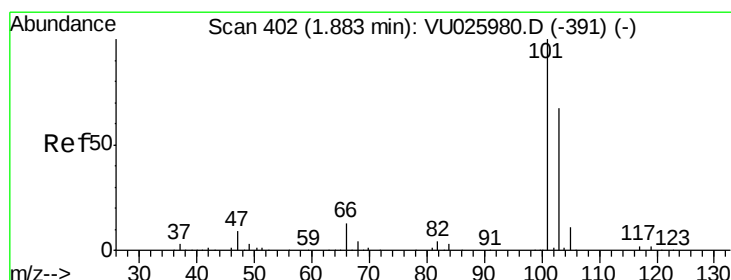
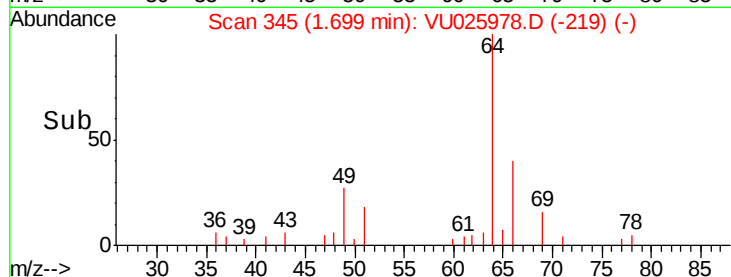
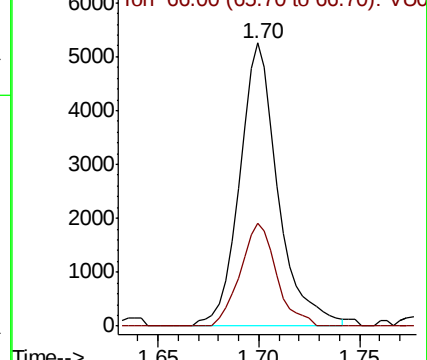
Ion Ratio Lower Upper

64 100

66 36.3 21.2 39.4



Abundance Ion 64.00 (63.70 to 64.70): VU025978.D (-219) (-)



#9

Trichlorofluoromethane

Concen: 5.450 ug/L

RT: 1.89 min Scan# 403

Delta R.T. 0.00 min

Lab File: VU025978.D

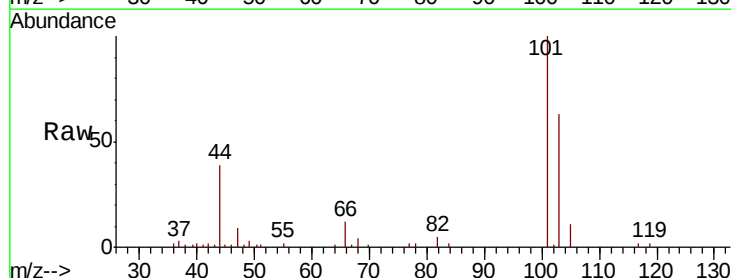
Acq: 08 Aug 2018 19:17

Tgt Ion: 101 Resp: 16097

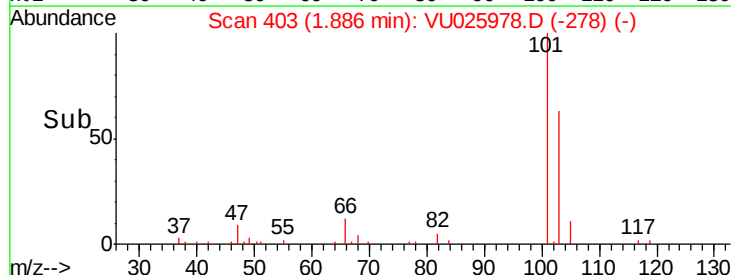
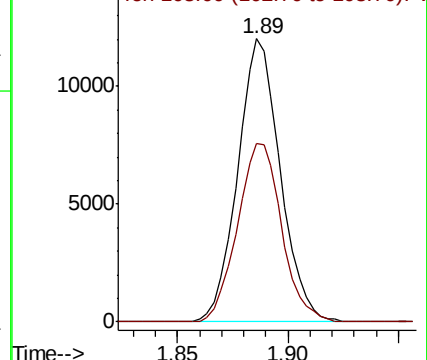
Ion Ratio Lower Upper

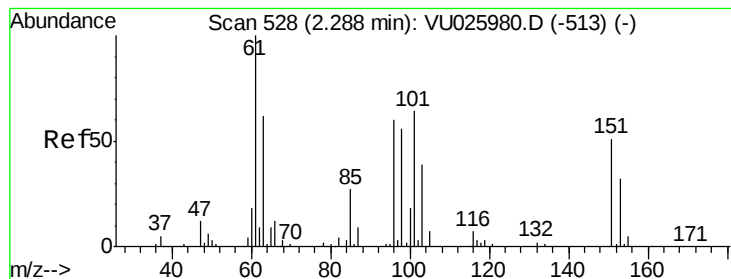
101 100

103 65.3 52.7 79.1



Abundance Ion 101.00 (100.70 to 101.70): VU025978.D (-278) (-)





#10

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

Concen: 5.579 ug/L

RT: 2.29 min Scan# 528

Delta R.T. 0.00 min

Lab File: VU025978.D

Acq: 08 Aug 2018 19:17

Instrument :

MSVOA_U

ClientSampleId :

VSTD00542

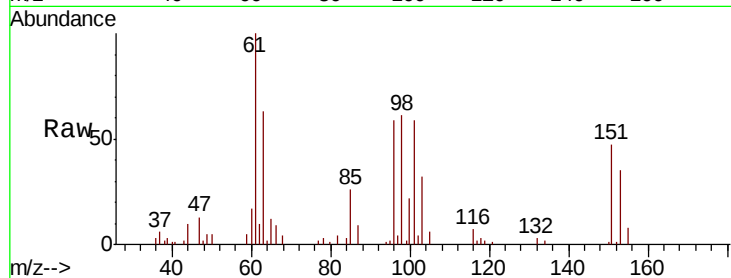
Tgt Ion: 101 Resp: 9339

Ion Ratio Lower Upper

101 100

85 42.0 36.0 54.0

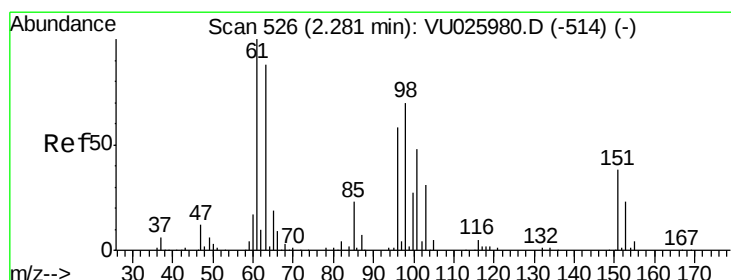
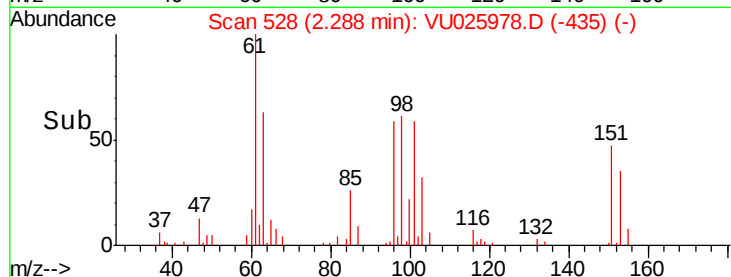
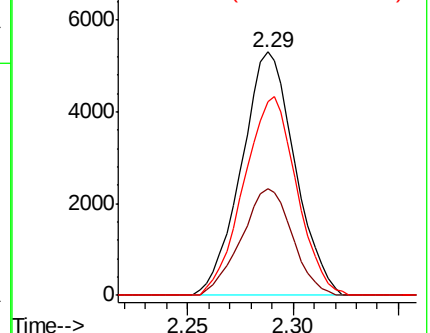
151 80.9 64.2 96.2



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: 5.628 ug/L

RT: 2.28 min Scan# 527

Delta R.T. 0.00 min

Lab File: VU025978.D

Acq: 08 Aug 2018 19:17

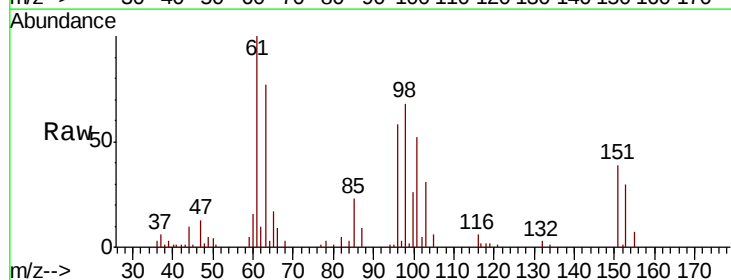
Tgt Ion: 96 Resp: 8588

Ion Ratio Lower Upper

96 100

61 172.6 121.2 225.2

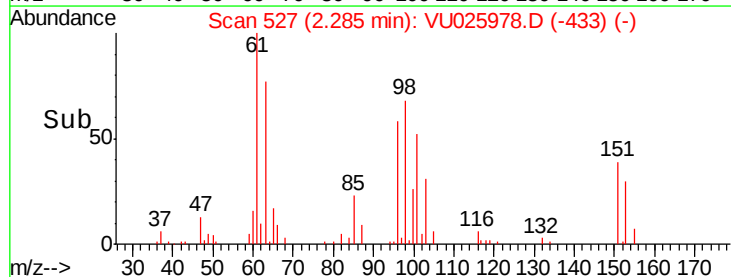
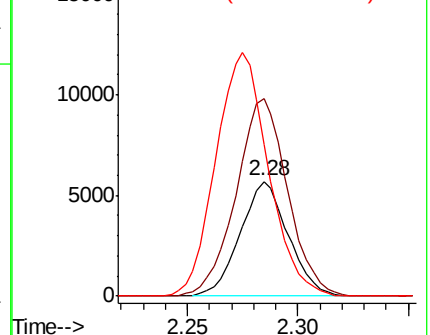
63 132.7 108.7 201.9

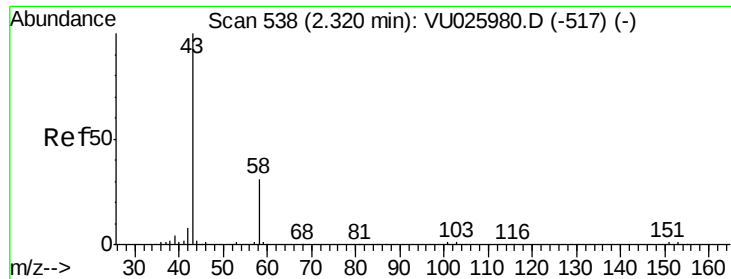


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 10.083 ug/L

RT: 2.32 min Scan# 539

Delta R.T. 0.00 min

Lab File: VU025978.D

Acq: 08 Aug 2018 19:17

Instrument :

MSVOA_U

ClientSampleId :

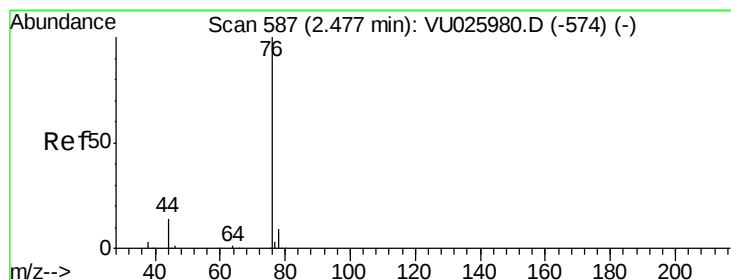
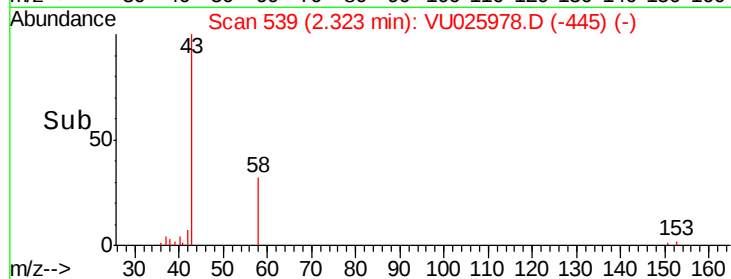
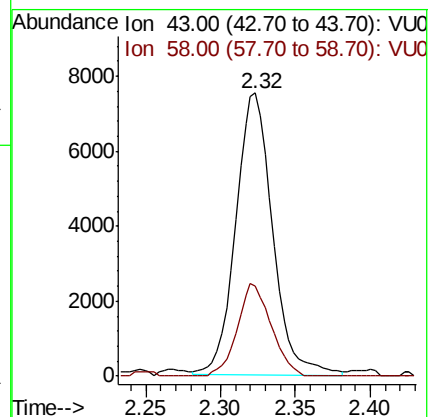
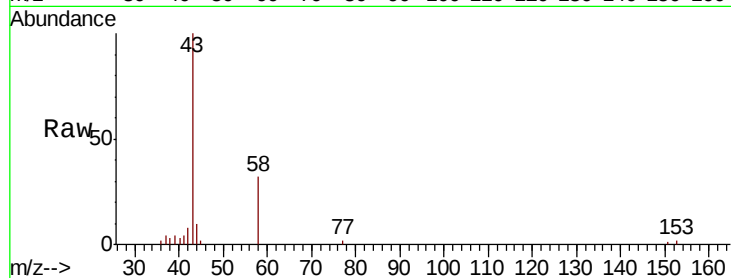
VSTD00542

Tgt Ion: 43 Resp: 12947

Ion Ratio Lower Upper

43 100

58 29.9 0.0 61.8



#14

Carbon disulfide

Concen: 5.154 ug/L

RT: 2.48 min Scan# 587

Delta R.T. 0.00 min

Lab File: VU025978.D

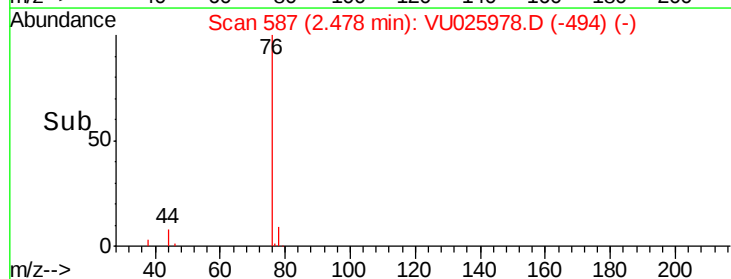
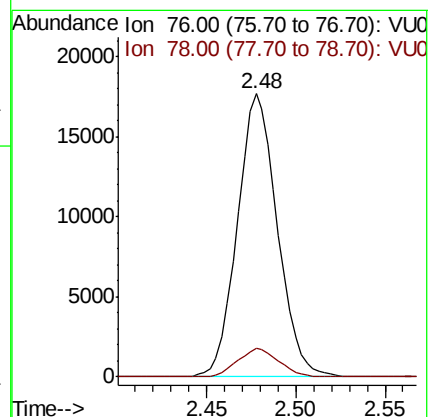
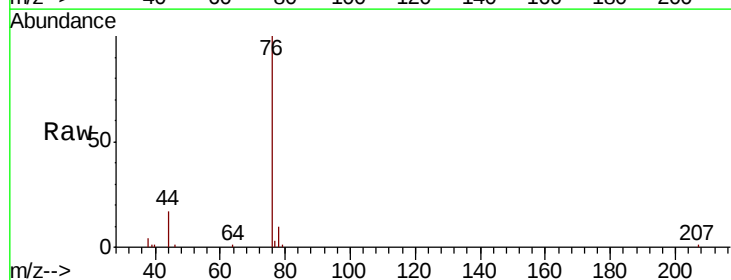
Acq: 08 Aug 2018 19:17

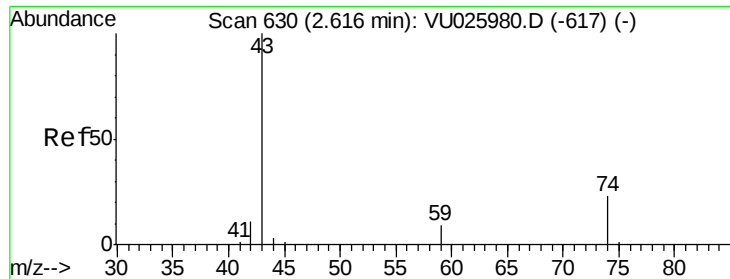
Tgt Ion: 76 Resp: 27581

Ion Ratio Lower Upper

76 100

78 9.9 7.2 10.8

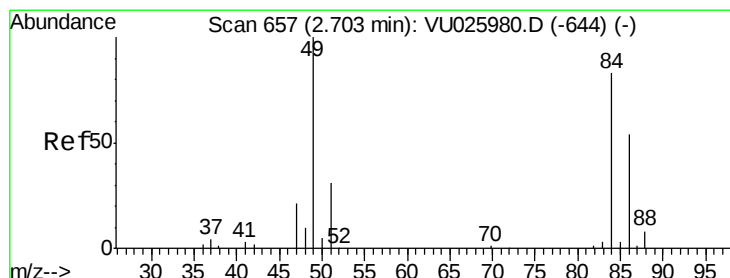
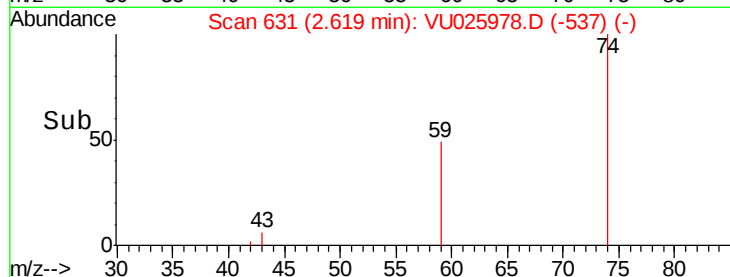
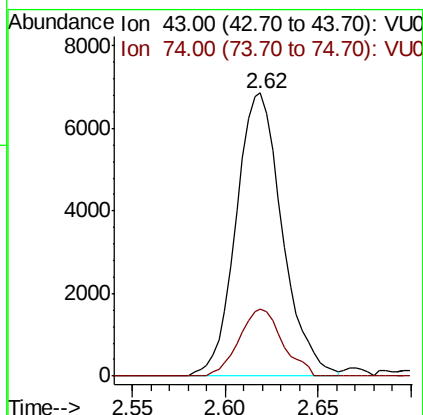
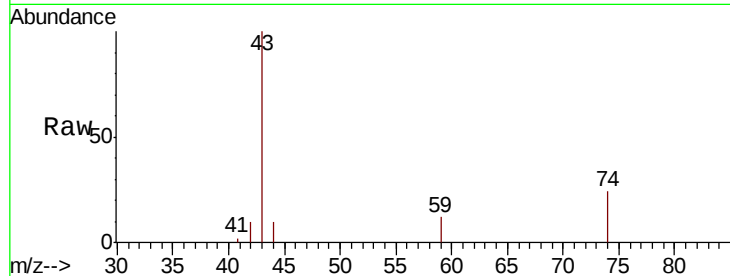




#15
Methyl Acetate
Concen: 5.709 ug/L
RT: 2.62 min Scan# 631
Delta R.T. 0.00 min
Lab File: VU025978.D
Acq: 08 Aug 2018 19:17

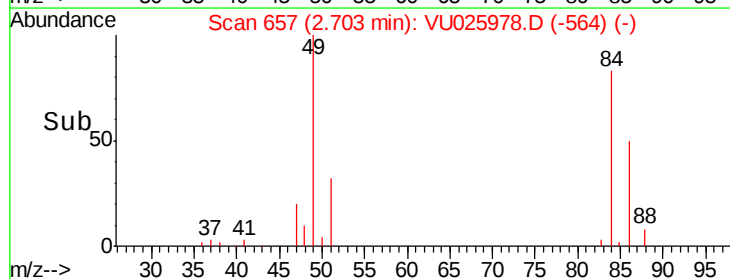
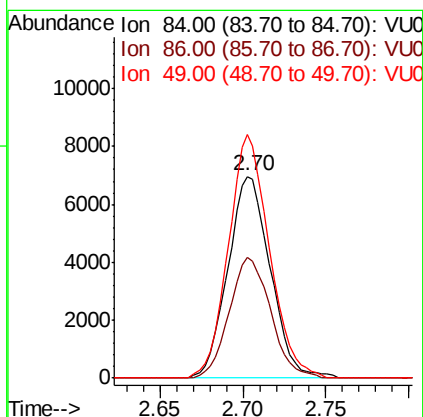
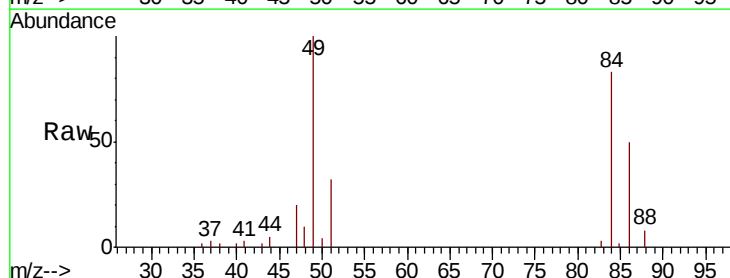
Instrument :
MSVOA_U
ClientSampleId :
VSTD00542

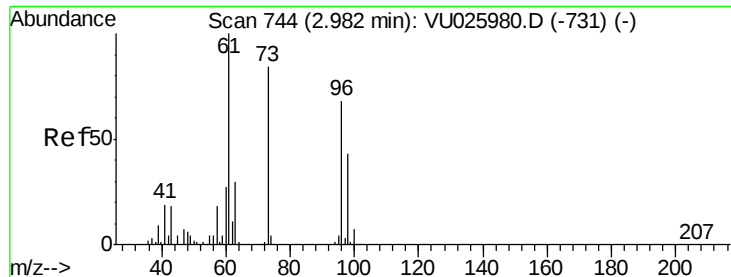
Tgt Ion: 43 Resp: 11867
Ion Ratio Lower Upper
43 100
74 22.2 17.8 26.8



#16
Methylene chloride
Concen: 6.342 ug/L
RT: 2.70 min Scan# 657
Delta R.T. 0.00 min
Lab File: VU025978.D
Acq: 08 Aug 2018 19:17

Tgt Ion: 84 Resp: 12406
Ion Ratio Lower Upper
84 100
86 60.0 45.8 85.0
49 120.6 85.0 157.8





#17

trans-1,2-Dichloroethene

Concen: 5.013 ug/L

RT: 2.99 min Scan# 745

Delta R.T. 0.00 min

Lab File: VU025978.D

Acq: 08 Aug 2018 19:17

Instrument :

MSVOA_U

ClientSampleId :

VSTD00542

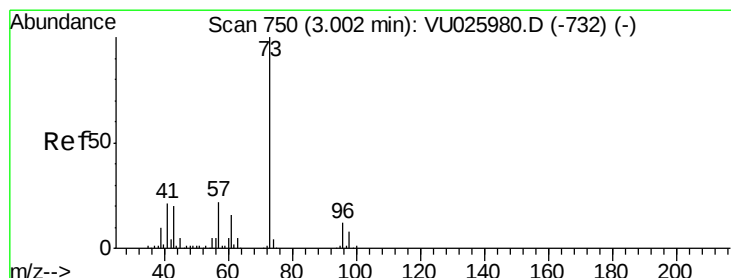
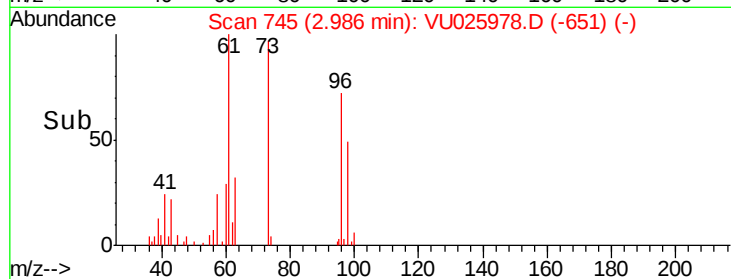
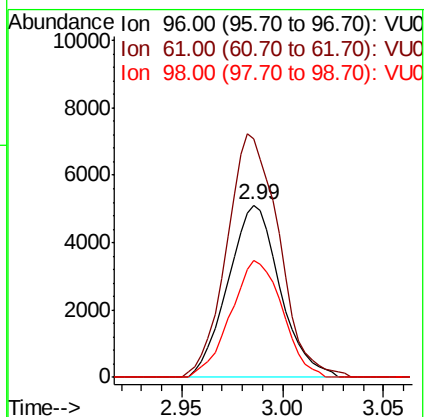
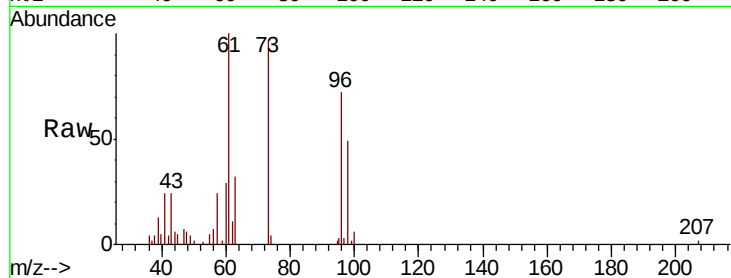
Tgt Ion: 96 Resp: 9201

Ion Ratio Lower Upper

96 100

61 138.1 102.8 190.8

98 67.5 44.7 83.1



#18

Methyl tert-butyl Ether

Concen: 5.160 ug/L

RT: 3.00 min Scan# 750

Delta R.T. 0.00 min

Lab File: VU025978.D

Acq: 08 Aug 2018 19:17

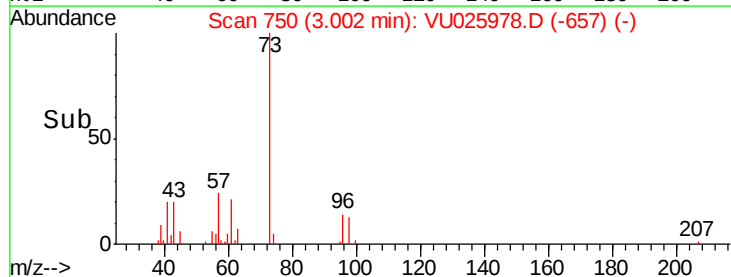
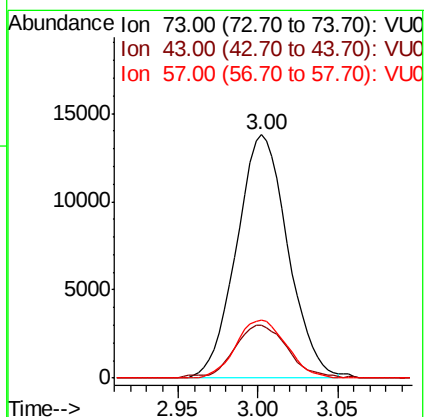
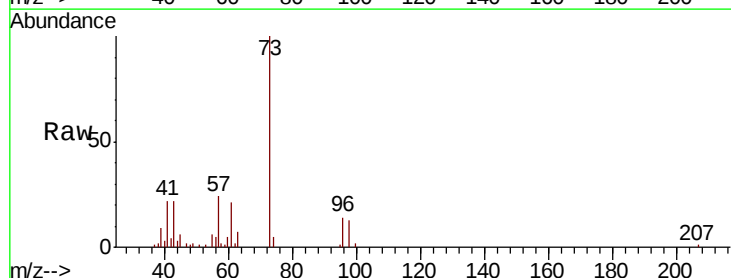
Tgt Ion: 73 Resp: 30233

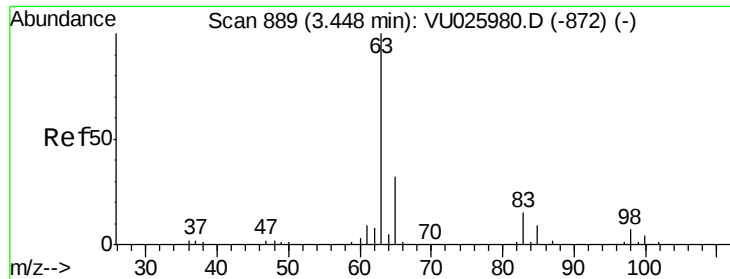
Ion Ratio Lower Upper

73 100

43 22.2 16.3 24.5

57 23.6 17.1 25.7





#19

1,1-Dichloroethane

Concen: 5.629 ug/L

RT: 3.45 min Scan# 889

Delta R.T. 0.00 min

Lab File: VU025978.D

Acq: 08 Aug 2018 19:17

Instrument :

MSVOA_U

ClientSampleId :

VSTD00542

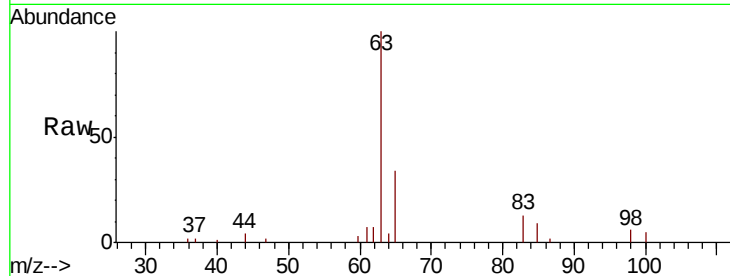
Tgt Ion: 63 Resp: 18898

Ion Ratio Lower Upper

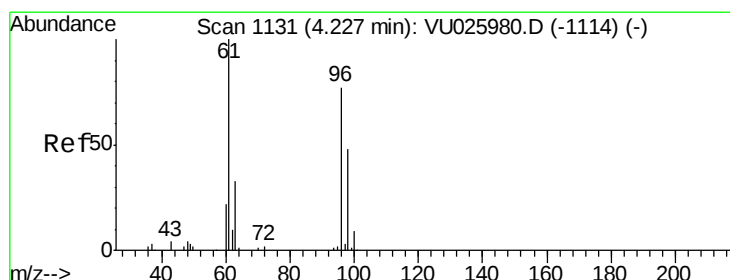
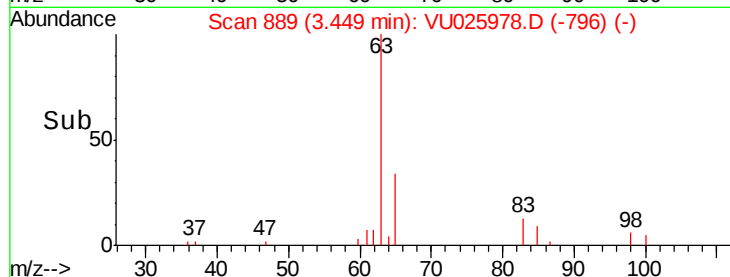
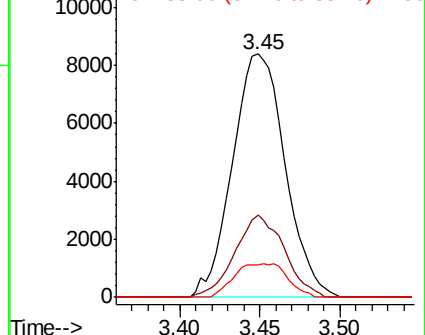
63 100

65 33.7 22.4 41.6

83 13.4 10.1 18.9



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: 5.314 ug/L

RT: 4.23 min Scan# 1133

Delta R.T. 0.01 min

Lab File: VU025978.D

Acq: 08 Aug 2018 19:17

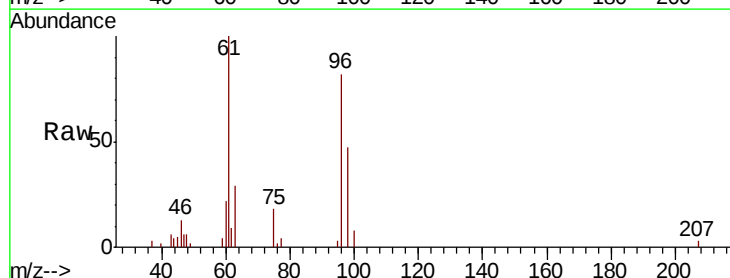
Tgt Ion: 96 Resp: 10919

Ion Ratio Lower Upper

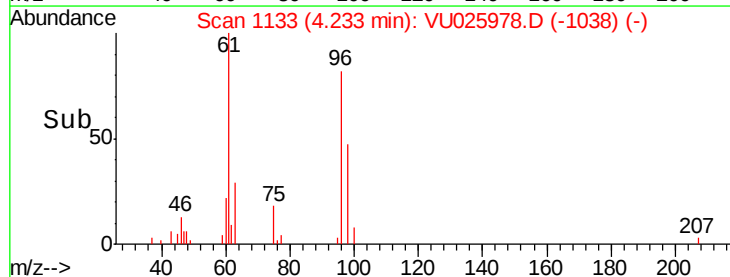
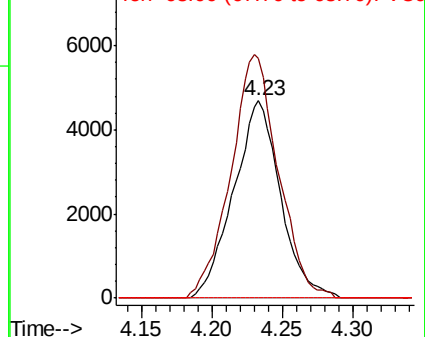
96 100

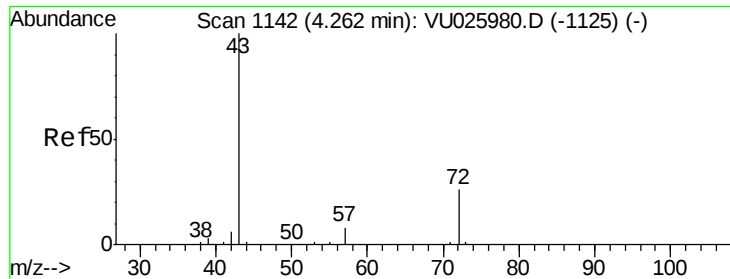
61 121.3 90.7 168.5

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: 9.447 ug/L

RT: 4.27 min Scan# 1144

Delta R.T. 0.01 min

Lab File: VU025978.D

Acq: 08 Aug 2018 19:17

Instrument :

MSVOA_U

ClientSampleId :

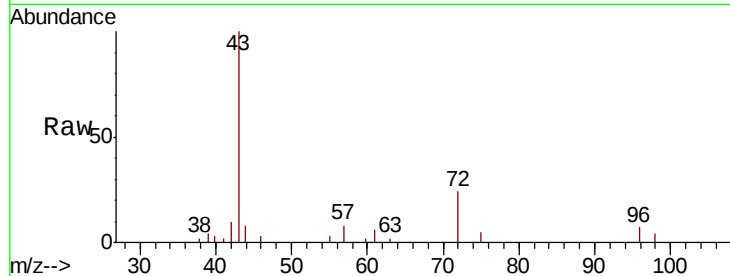
VSTD00542

Tgt Ion: 43 Resp: 15489

Ion Ratio Lower Upper

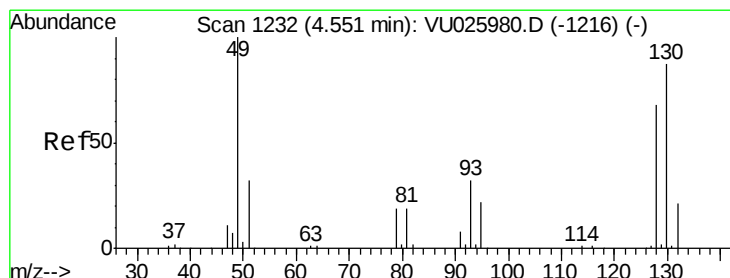
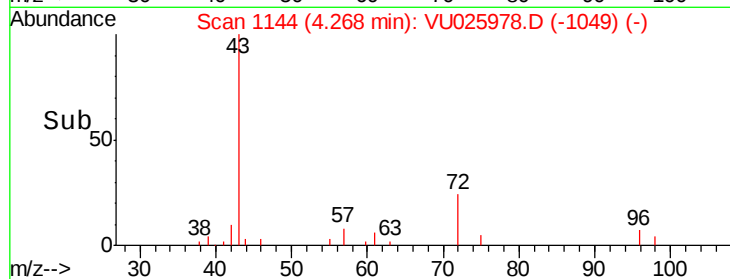
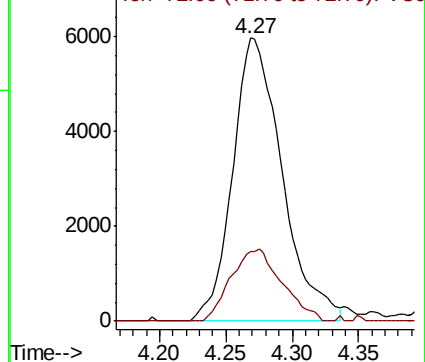
43 100

72 26.2 13.5 40.5



Abundance Ion 43.00 (42.70 to 43.70): VU025978.D (-1144) (-)

Ion 72.00 (71.70 to 72.70): VU025978.D (-1144) (-)



#23

Bromochloromethane

Concen: 5.340 ug/L

RT: 4.55 min Scan# 1233

Delta R.T. 0.00 min

Lab File: VU025978.D

Acq: 08 Aug 2018 19:17

Tgt Ion: 128 Resp: 5807

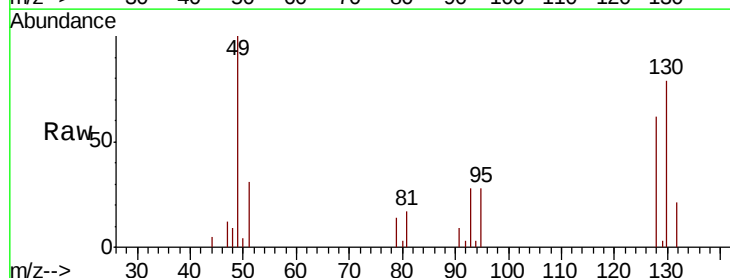
Ion Ratio Lower Upper

128 100

49 161.5 103.0 191.2

130 127.5 89.5 166.1

51 50.0 37.7 56.5

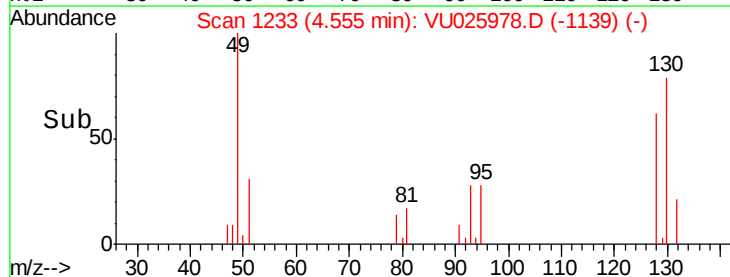
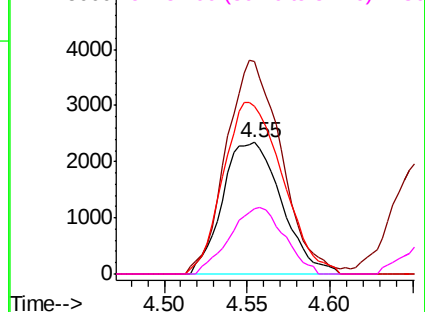


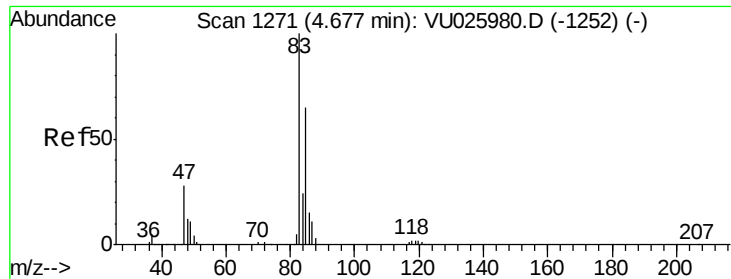
Abundance Ion 128.00 (127.70 to 128.70): VU025978.D (-1233) (-)

Ion 49.00 (48.70 to 49.70): VU025978.D (-1233) (-)

Ion 130.00 (129.70 to 130.70): VU025978.D (-1233) (-)

Ion 51.00 (50.70 to 51.70): VU025978.D (-1233) (-)

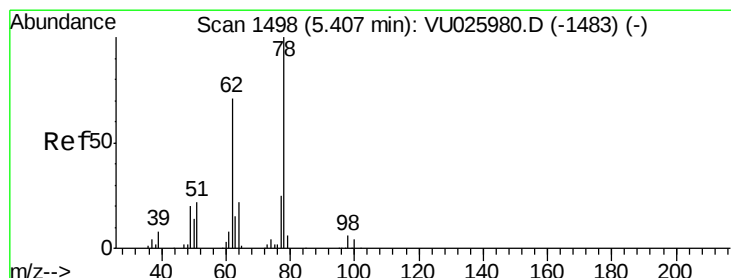
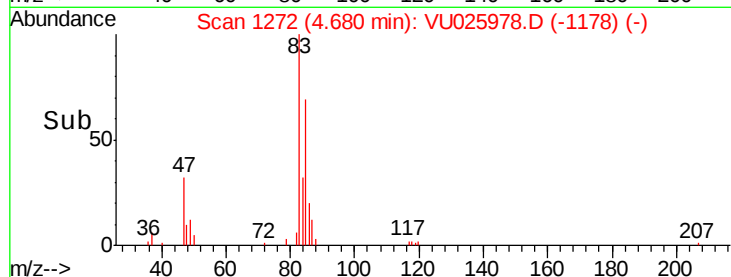
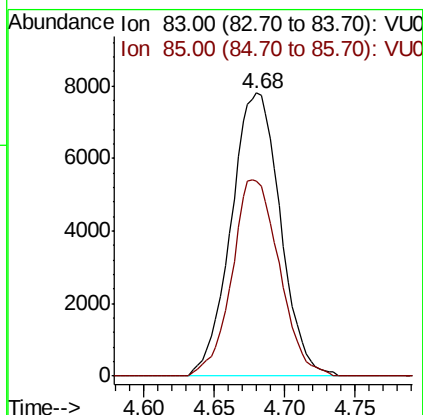
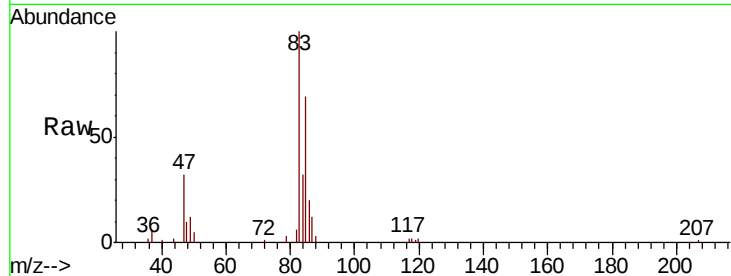




#25
Chloroform
Concen: 5.350 ug/L
RT: 4.68 min Scan# 1272
Delta R.T. 0.00 min
Lab File: VU025978.D
Acq: 08 Aug 2018 19:17

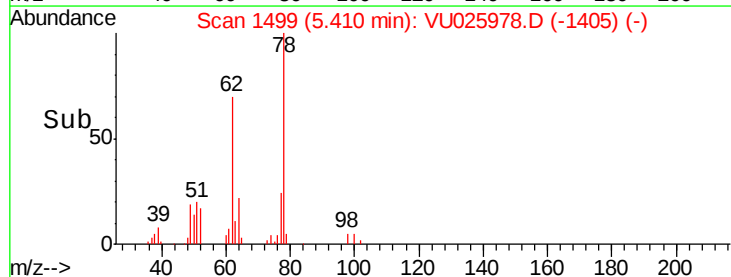
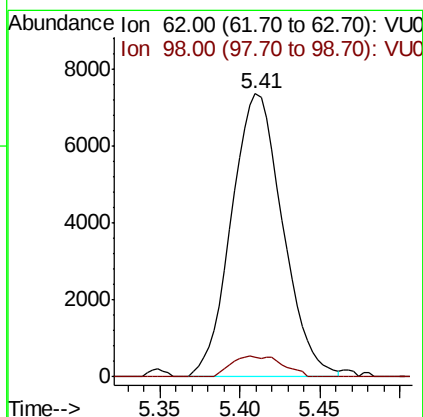
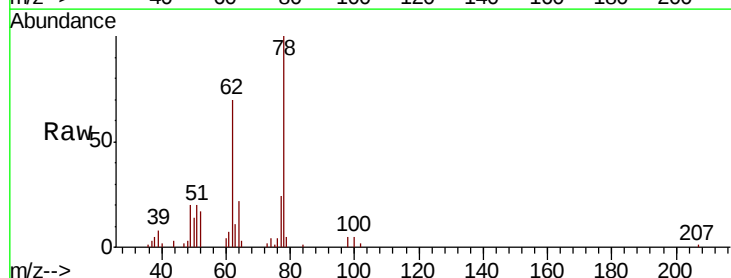
Instrument :
MSVOA_U
ClientSampleId :
VSTD00542

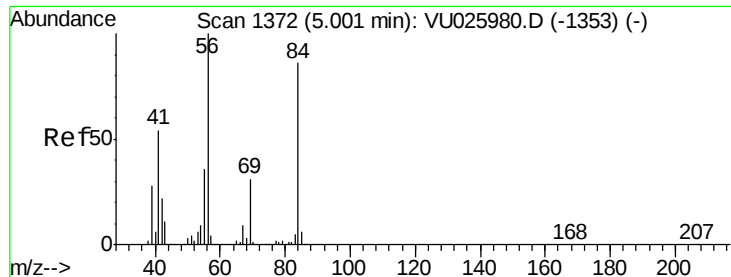
Tgt Ion: 83 Resp: 19037
Ion Ratio Lower Upper
83 100
85 69.0 45.9 85.3



#27
1,2-Dichloroethane
Concen: 5.638 ug/L
RT: 5.41 min Scan# 1499
Delta R.T. 0.00 min
Lab File: VU025978.D
Acq: 08 Aug 2018 19:17

Tgt Ion: 62 Resp: 16117
Ion Ratio Lower Upper
62 100
98 7.0 7.0 10.4

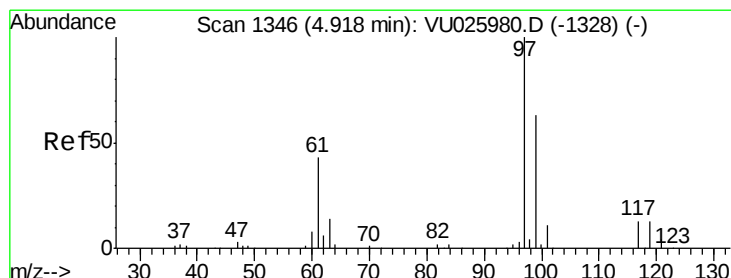
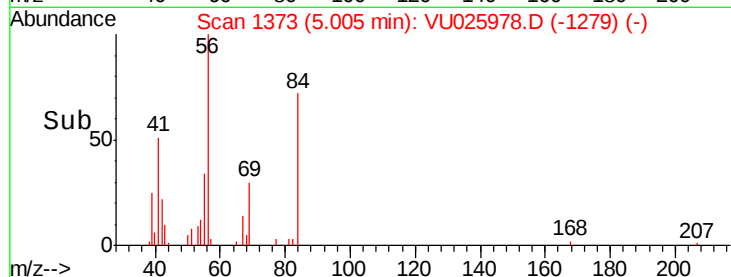
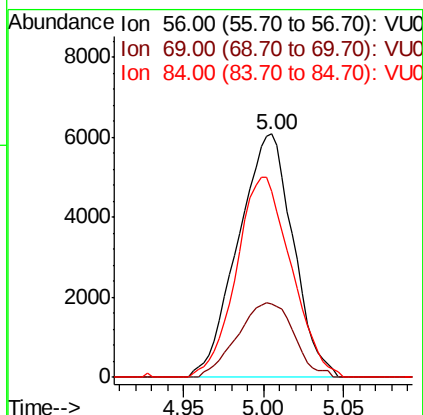
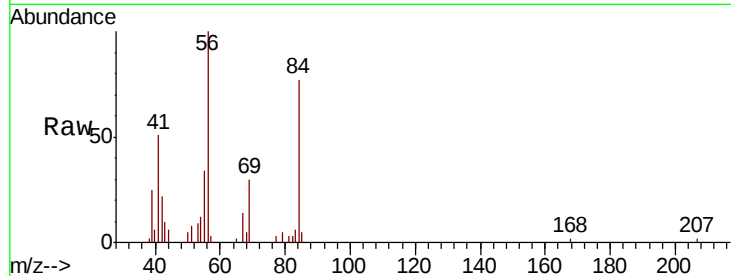




#29
Cyclohexane
Concen: 4.895 ug/L
RT: 5.00 min Scan# 1373
Delta R.T. 0.00 min
Lab File: VU025978.D
Acq: 08 Aug 2018 19:17

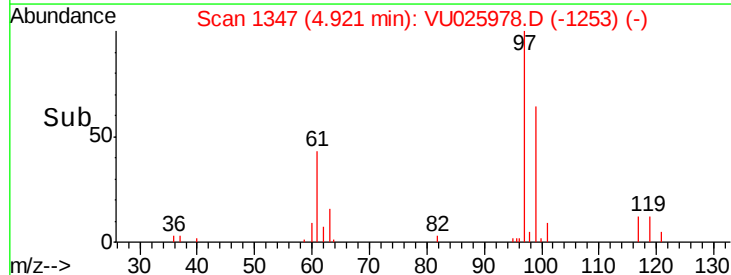
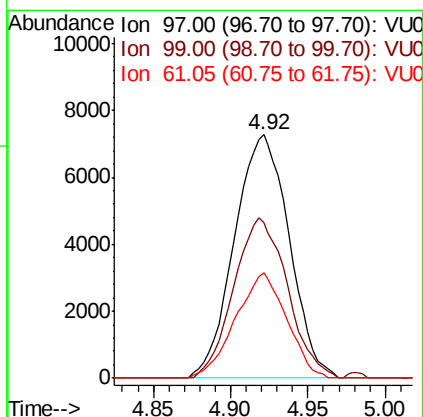
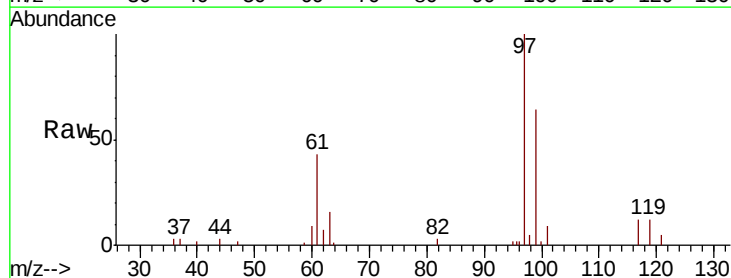
Instrument :
MSVOA_U
ClientSampleId :
VSTD00542

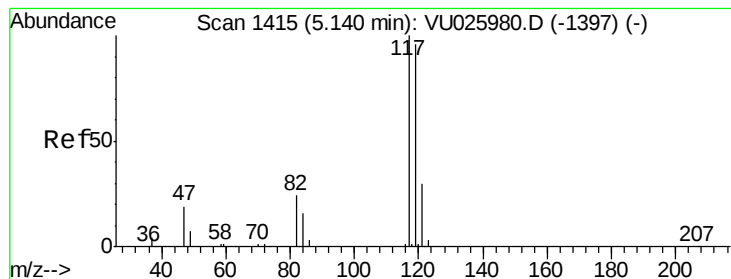
Tgt Ion: 56 Resp: 14349
Ion Ratio Lower Upper
56 100
69 31.0 24.6 37.0
84 81.8 68.6 103.0



#30
1,1,1-Trichloroethane
Concen: 5.628 ug/L
RT: 4.92 min Scan# 1347
Delta R.T. 0.00 min
Lab File: VU025978.D
Acq: 08 Aug 2018 19:17

Tgt Ion: 97 Resp: 17895
Ion Ratio Lower Upper
97 100
99 64.4 51.8 77.6
61 40.4 34.7 52.1





#31

Carbon tetrachloride

Concen: 5.534 ug/L

RT: 5.14 min Scan# 1415

Delta R.T. 0.00 min

Lab File: VU025978.D

Acq: 08 Aug 2018 19:17

Instrument :

MSVOA_U

ClientSampleId :

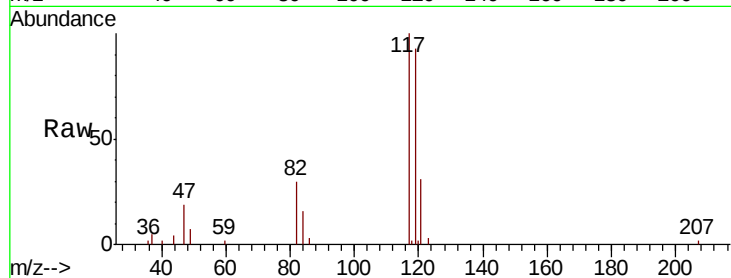
VSTD00542

Tgt Ion:117 Resp: 15812

Ion Ratio Lower Upper

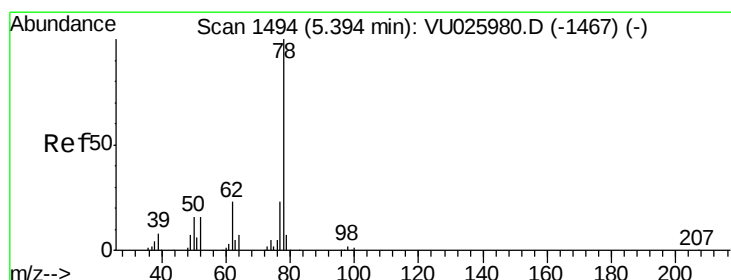
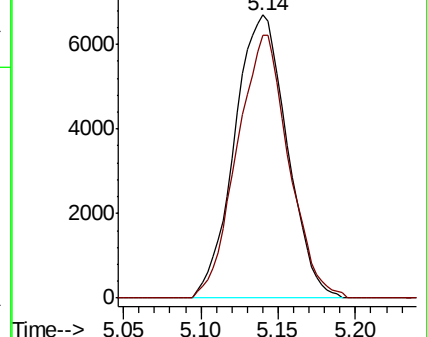
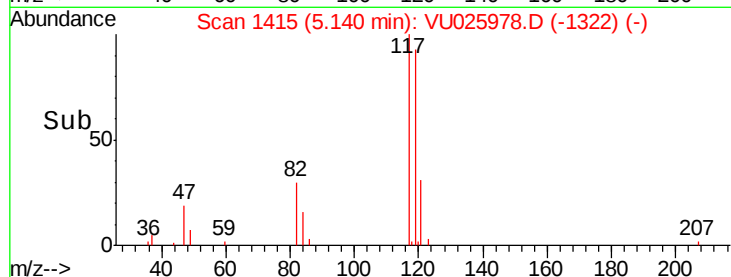
117 100

119 91.6 76.3 114.5



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#33

Benzene

Concen: 5.220 ug/L

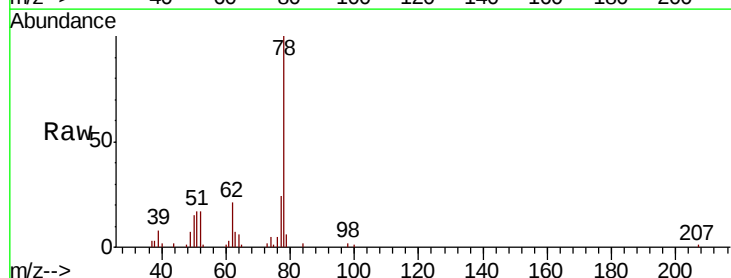
RT: 5.39 min Scan# 1494

Delta R.T. 0.00 min

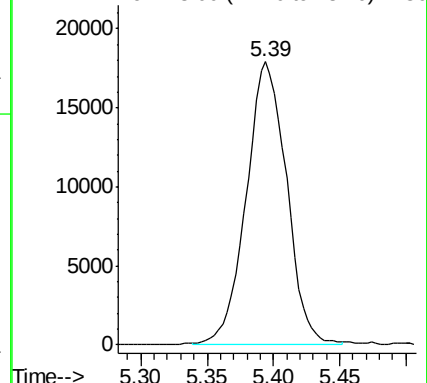
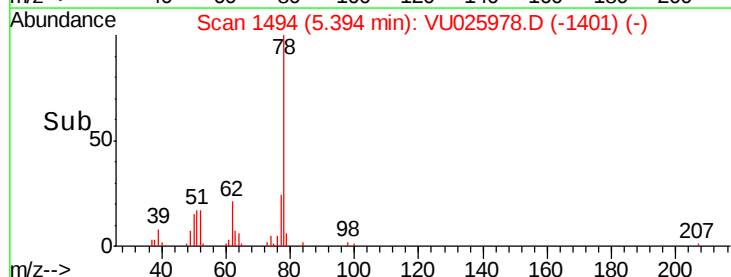
Lab File: VU025978.D

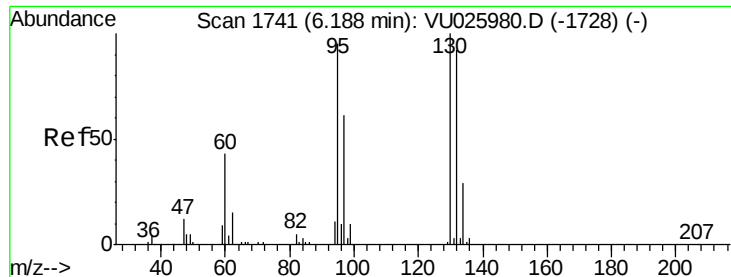
Acq: 08 Aug 2018 19:17

Tgt Ion: 78 Resp: 38038



Abundance Ion 78.00 (77.70 to 78.70): VU0

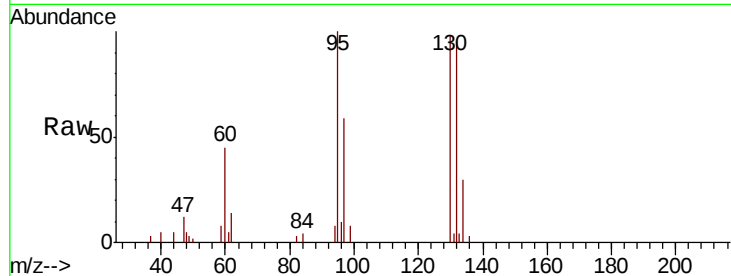




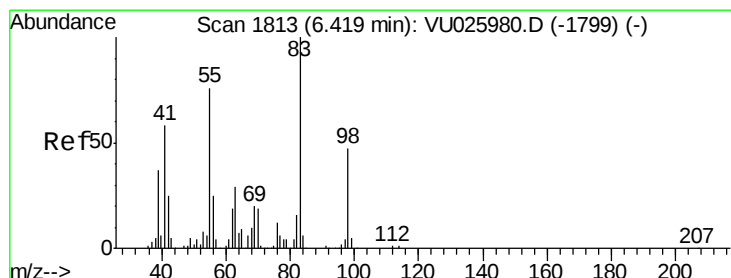
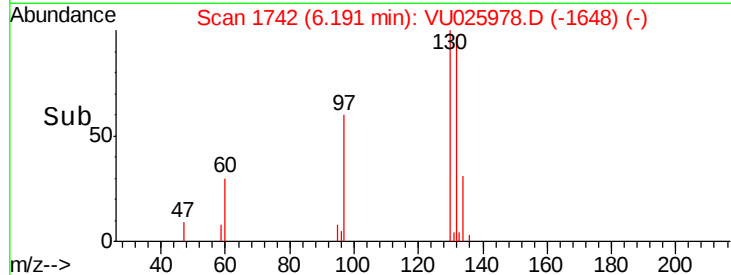
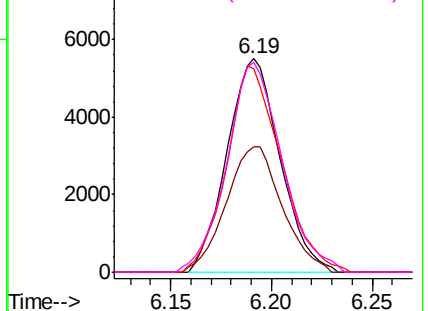
#34
 Trichloroethene
 Concen: 5.051 ug/L
 RT: 6.19 min Scan# 1742
 Delta R.T. 0.00 min
 Lab File: VU025978.D
 Acq: 08 Aug 2018 19:17

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00542

Tgt Ion:	95	Resp:	10145
Ion	Ratio	Lower	Upper
95	100		
97	58.8	45.2	84.0
132	95.1	68.2	126.6
130	98.3	73.8	137.2

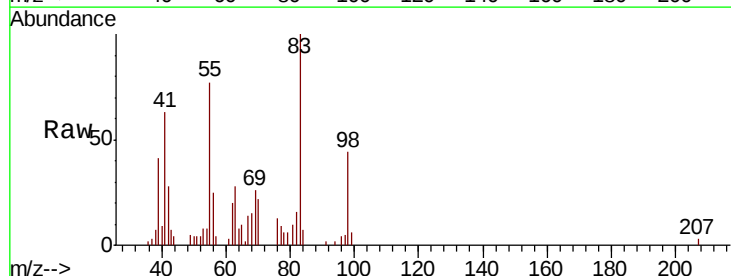


Abundance Ion 95.00 (94.70 to 95.70): VU0
 Ion 97.00 (96.70 to 97.70): VU0
 Ion 132.00 (131.70 to 132.70): V
 Ion 130.00 (129.70 to 130.70): V

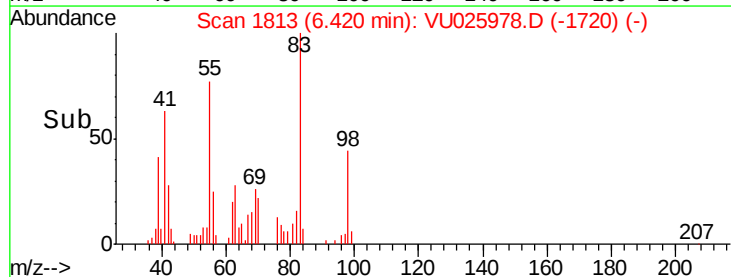
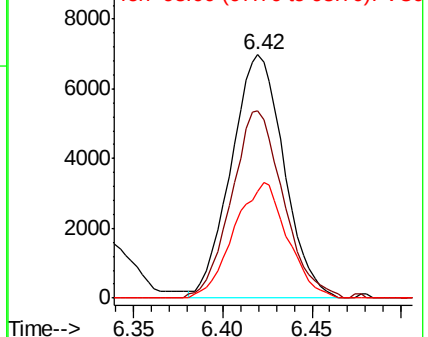


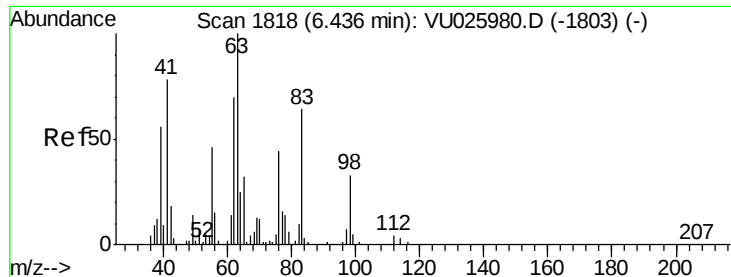
#35
 Methylcyclohexane
 Concen: 4.729 ug/L
 RT: 6.42 min Scan# 1813
 Delta R.T. 0.00 min
 Lab File: VU025978.D
 Acq: 08 Aug 2018 19:17

Tgt Ion:	83	Resp:	14419
Ion	Ratio	Lower	Upper
83	100		
55	75.7	61.0	91.6
98	47.9	38.1	57.1



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

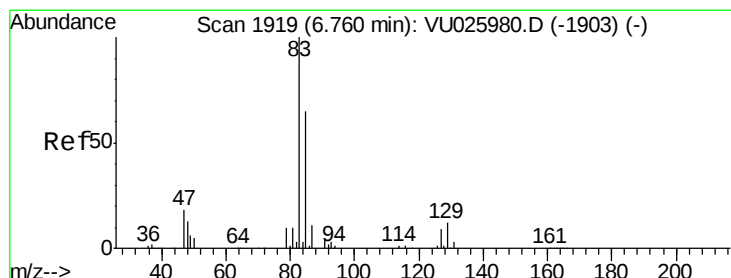
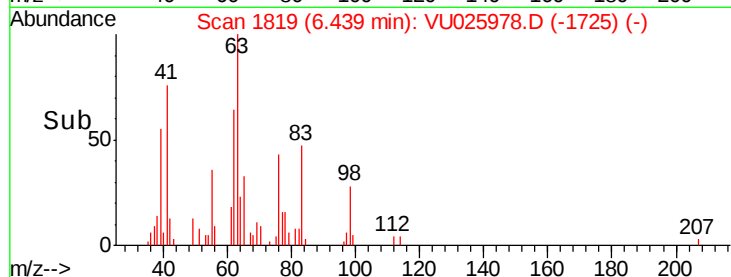
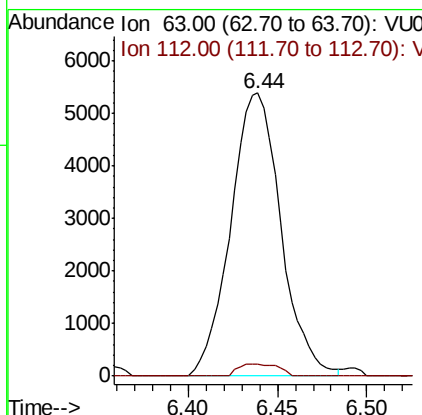
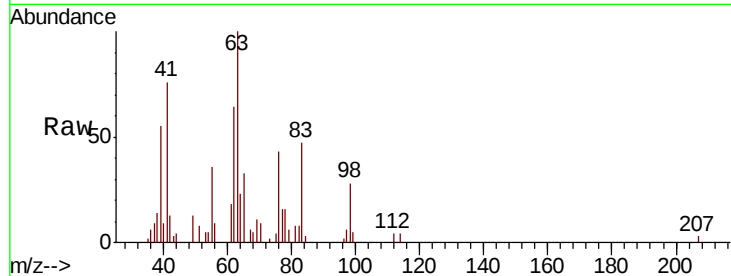




#37
 1,2-Dichloropropane
 Concen: 5.426 ug/L
 RT: 6.44 min Scan# 1819
 Delta R.T. 0.00 min
 Lab File: VU025978.D
 Acq: 08 Aug 2018 19:17

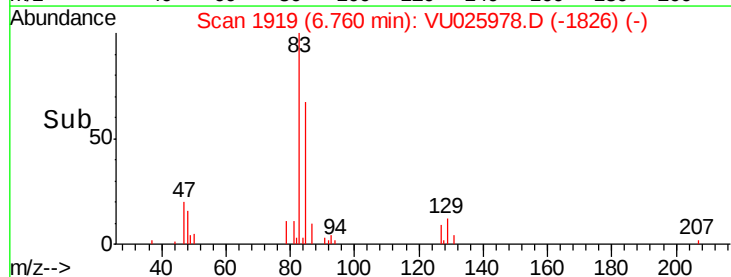
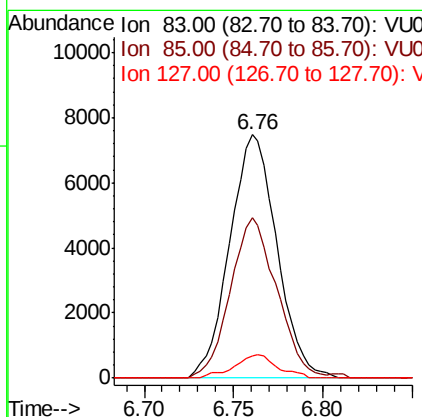
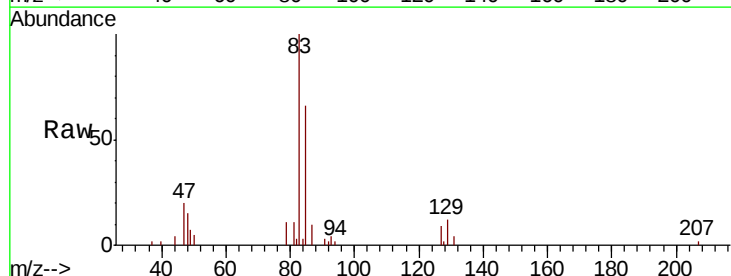
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00542

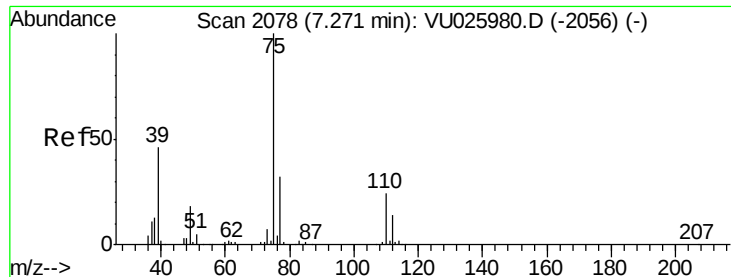
Tgt Ion: 63 Resp: 10586
 Ion Ratio Lower Upper
 63 100
 112 2.6 3.2 4.8#



#38
 Bromodichloromethane
 Concen: 5.195 ug/L
 RT: 6.76 min Scan# 1919
 Delta R.T. 0.00 min
 Lab File: VU025978.D
 Acq: 08 Aug 2018 19:17

Tgt Ion: 83 Resp: 13741
 Ion Ratio Lower Upper
 83 100
 85 65.7 45.3 84.1
 127 11.3 7.4 11.2#

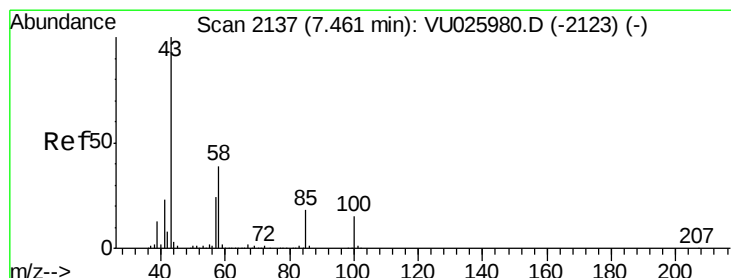
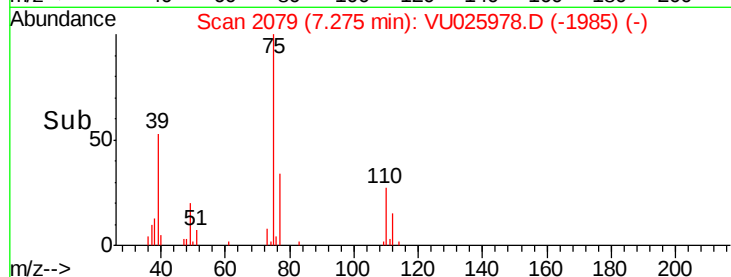
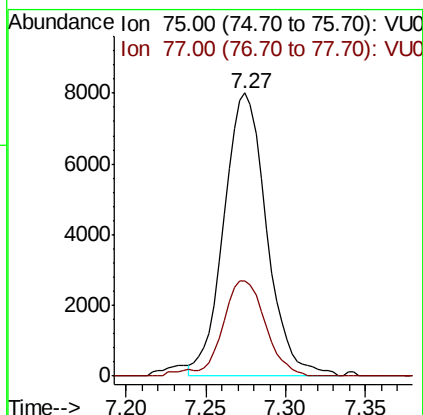
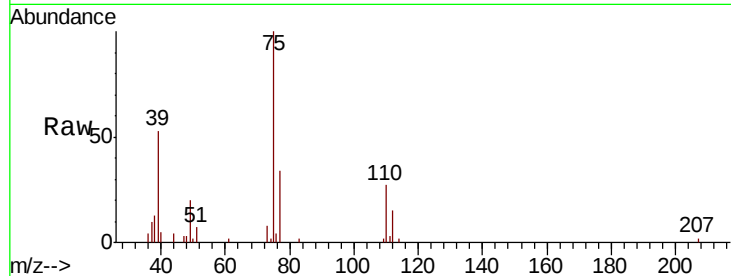




#39
 cis-1,3-Dichloropropene
 Concen: 4.631 ug/L
 RT: 7.27 min Scan# 2079
 Delta R.T. 0.00 min
 Lab File: VU025978.D
 Acq: 08 Aug 2018 19:17

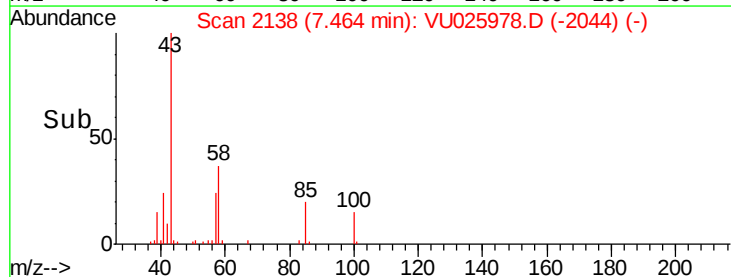
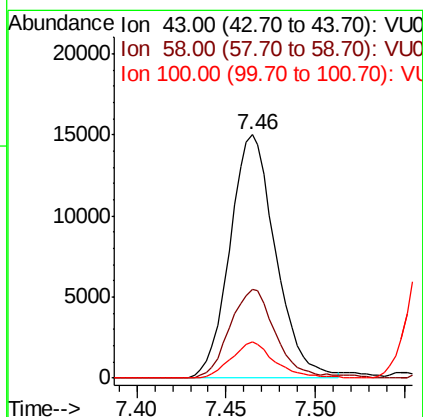
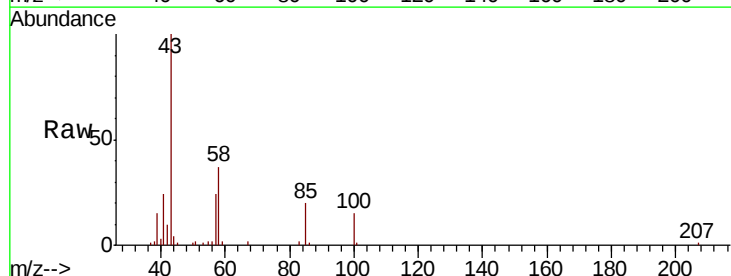
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00542

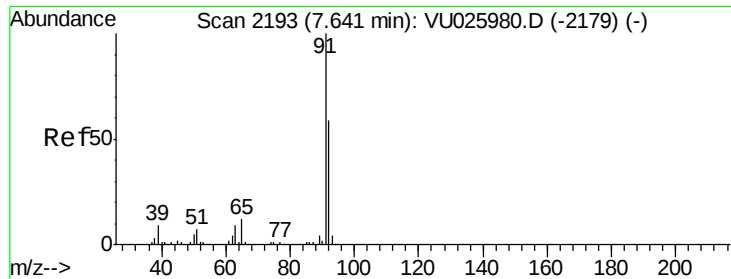
Tgt Ion: 75 Resp: 14630
 Ion Ratio Lower Upper
 75 100
 77 33.8 22.1 41.1



#40
 4-Methyl-2-pentanone
 Concen: 10.005 ug/L
 RT: 7.46 min Scan# 2138
 Delta R.T. 0.00 min
 Lab File: VU025978.D
 Acq: 08 Aug 2018 19:17

Tgt Ion: 43 Resp: 26751
 Ion Ratio Lower Upper
 43 100
 58 36.0 30.6 46.0
 100 14.1 11.8 17.6





#42

Toluene

Concen: 4.894 ug/L

RT: 7.64 min Scan# 2193

Delta R.T. 0.00 min

Lab File: VU025978.D

Acq: 08 Aug 2018 19:17

Instrument :

MSVOA_U

ClientSampleId :

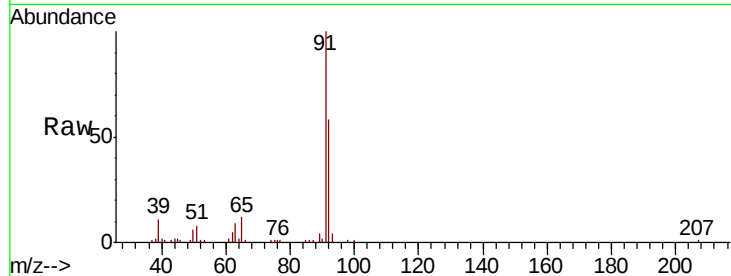
VSTD00542

Tgt Ion: 91 Resp: 38833

Ion Ratio Lower Upper

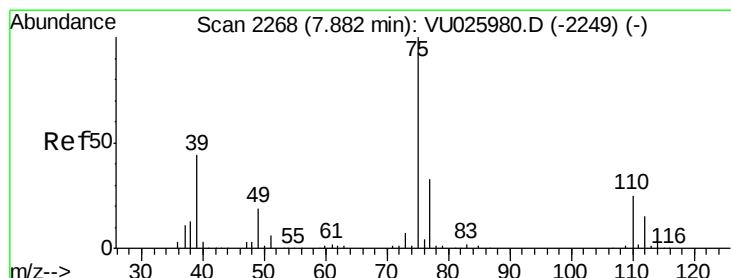
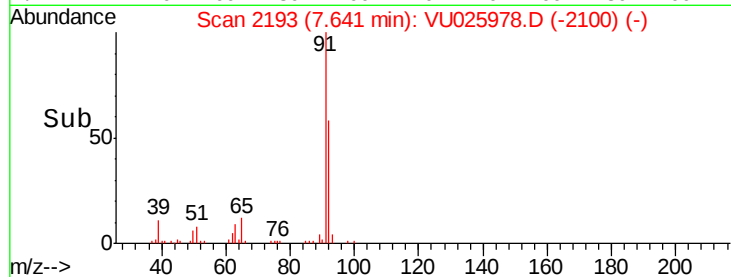
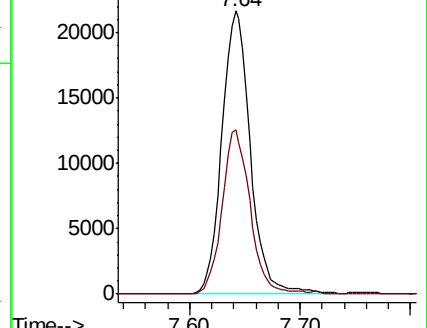
91 100

92 58.0 41.0 76.2



Abundance Ion 91.00 (90.70 to 91.70): VU025978.D (-2179) (-)

Ion 92.00 (91.70 to 92.70): VU025978.D (-2179) (-)



#44

trans-1,3-Dichloropropene

Concen: 4.699 ug/L

RT: 7.89 min Scan# 2269

Delta R.T. 0.00 min

Lab File: VU025978.D

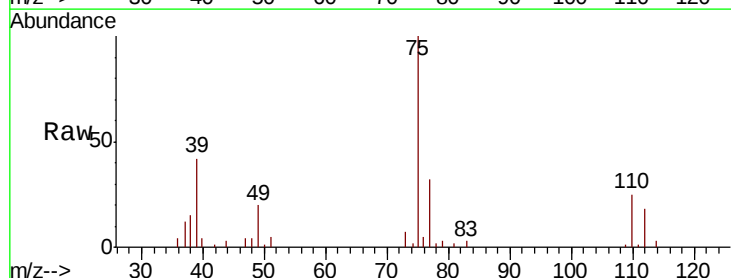
Acq: 08 Aug 2018 19:17

Tgt Ion: 75 Resp: 13942

Ion Ratio Lower Upper

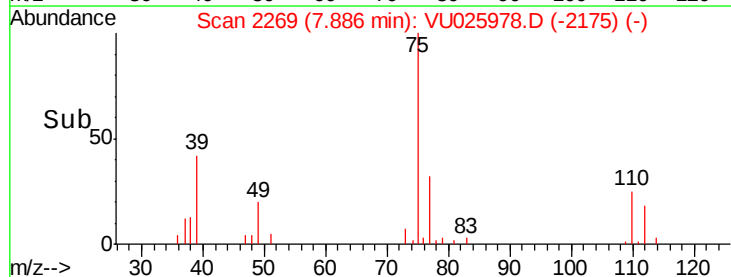
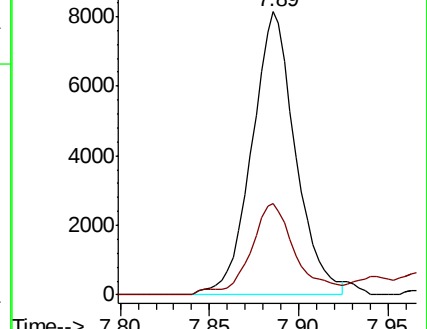
75 100

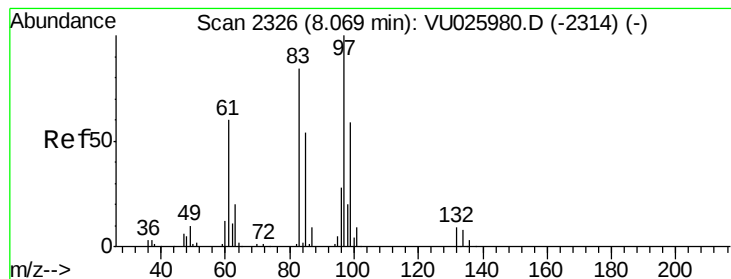
77 32.3 23.0 42.6



Abundance Ion 75.00 (74.70 to 75.70): VU025978.D (-2249) (-)

Ion 77.00 (76.70 to 77.70): VU025978.D (-2249) (-)





#45

1,1,2-Trichloroethane

Concen: 5.296 ug/L

RT: 8.07 min Scan# 2327

Delta R.T. 0.00 min

Lab File: VU025978.D

Acq: 08 Aug 2018 19:17

Instrument :

MSVOA_U

ClientSampleId :

VSTD00542

Tgt Ion: 97 Resp: 9926

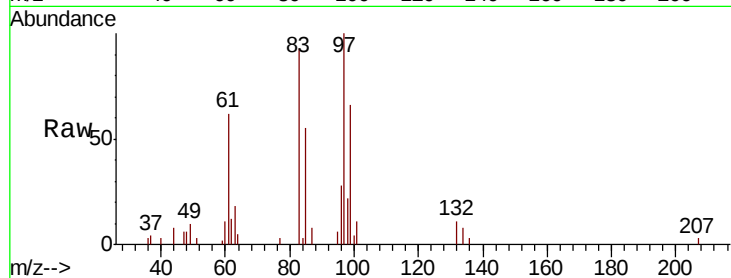
Ion Ratio Lower Upper

97 100

99 66.2 41.6 77.2

83 92.6 59.0 109.6

85 55.2 37.9 70.5

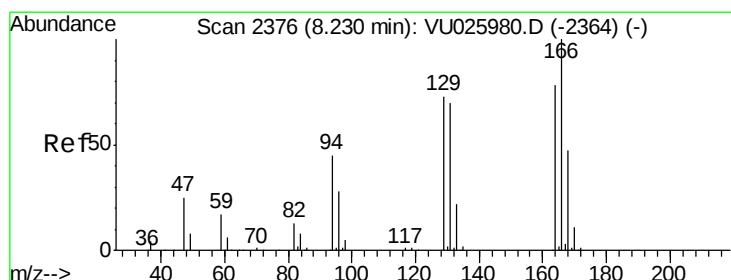
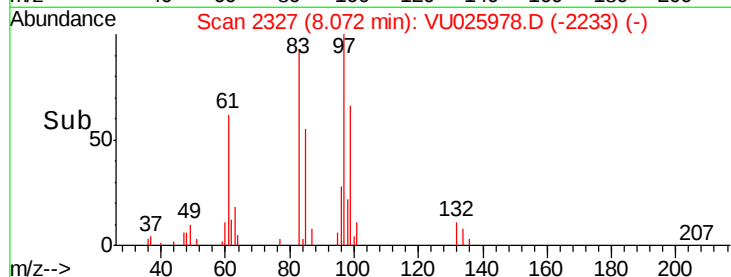
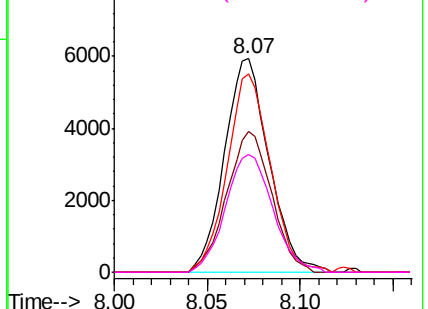


Abundance Ion 97.00 (96.70 to 97.70): VU0

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: 4.914 ug/L

RT: 8.23 min Scan# 2377

Delta R.T. 0.00 min

Lab File: VU025978.D

Acq: 08 Aug 2018 19:17

Tgt Ion: 164 Resp: 8442

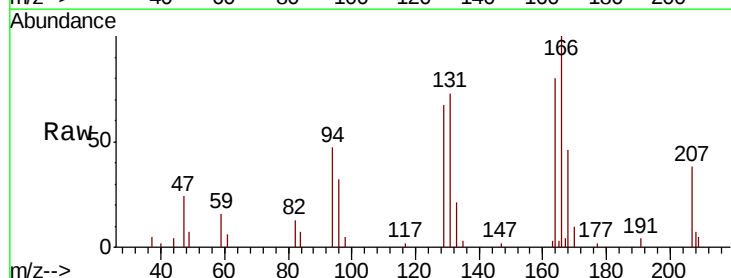
Ion Ratio Lower Upper

164 100

129 83.6 64.8 120.3

131 91.9 62.8 116.6

166 125.1 89.0 165.4

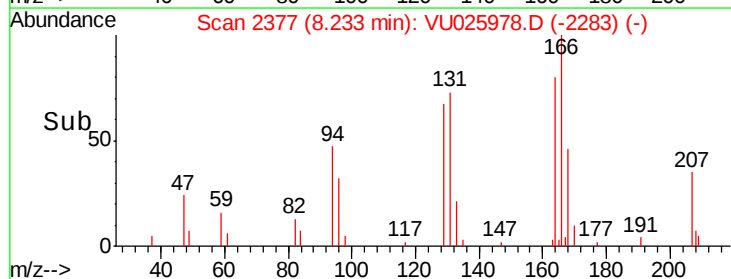
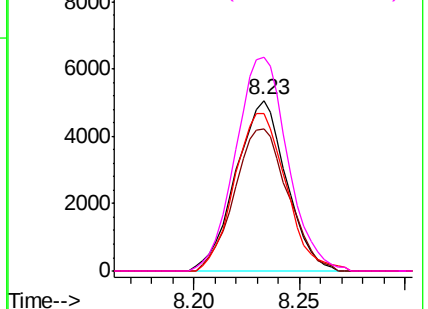


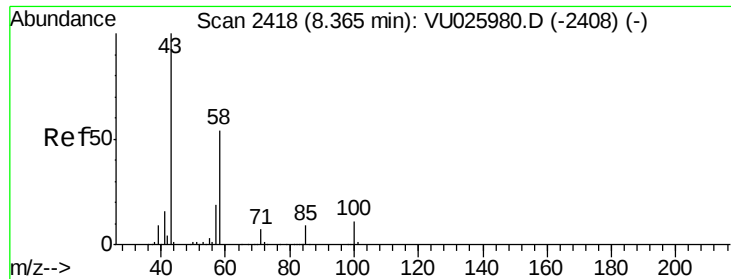
Abundance Ion 164.00 (163.70 to 164.70): V

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

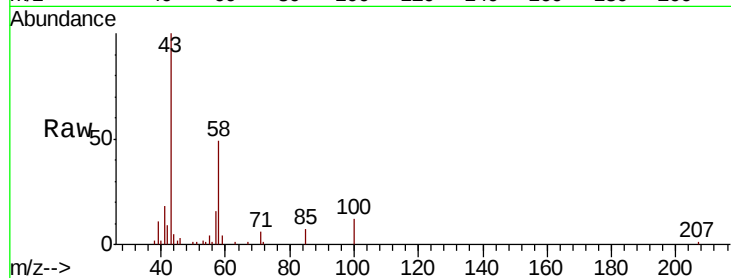




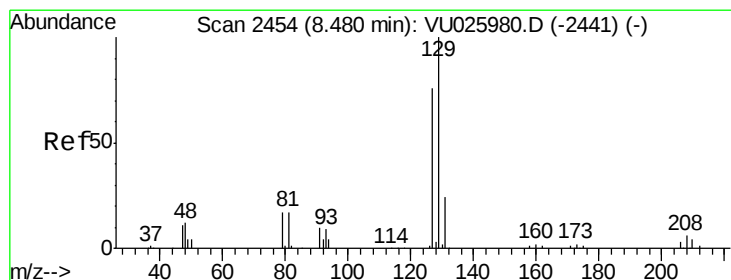
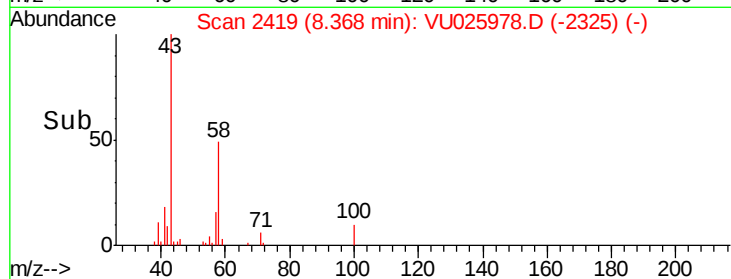
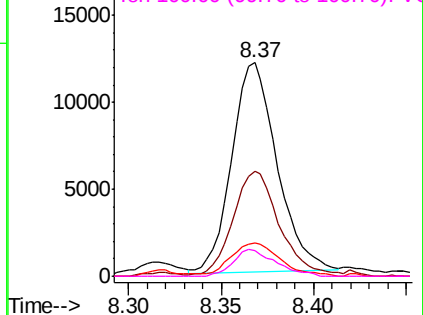
#48
2-Hexanone
Concen: 9.535 ug/L
RT: 8.37 min Scan# 2419
Delta R.T. 0.00 min
Lab File: VU025978.D
Acq: 08 Aug 2018 19:17

Instrument :
MSVOA_U
ClientSampleId :
VSTD00542

Tgt Ion:	43	Resp:	20402
Ion	Ratio	Lower	Upper
43	100		
58	51.8	43.6	65.4
57	17.5	15.1	22.7
100	12.0	9.3	13.9

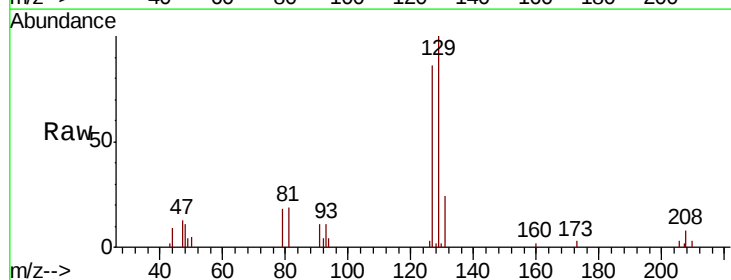


Abundance Ion 43.00 (42.70 to 43.70): VU025978.D (-2408) (-)
Ion 58.00 (57.70 to 58.70): VU025978.D (-2408) (-)
Ion 57.00 (56.70 to 57.70): VU025978.D (-2408) (-)
Ion 100.00 (99.70 to 100.70): VU025978.D (-2408) (-)

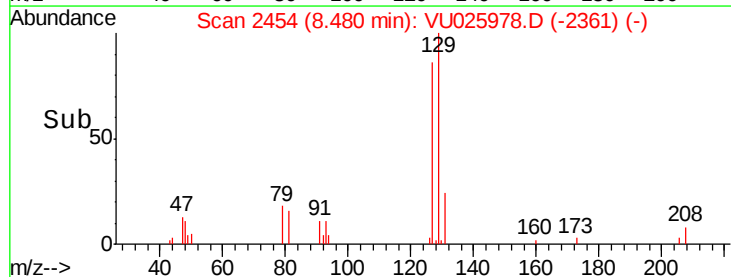
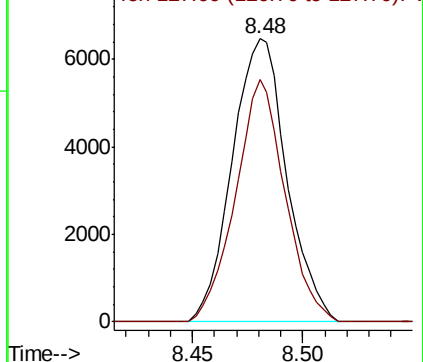


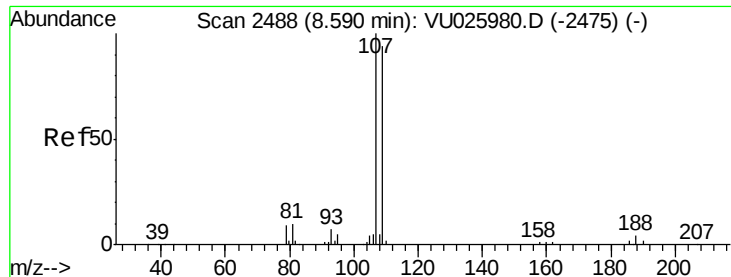
#49
Dibromochloromethane
Concen: 4.876 ug/L
RT: 8.48 min Scan# 2454
Delta R.T. 0.00 min
Lab File: VU025978.D
Acq: 08 Aug 2018 19:17

Tgt Ion:	129	Resp:	11146
Ion	Ratio	Lower	Upper
129	100		
127	85.7	53.5	99.3



Abundance Ion 129.00 (128.70 to 129.70): VU025978.D (-2441) (-)
Ion 127.00 (126.70 to 127.70): VU025978.D (-2441) (-)

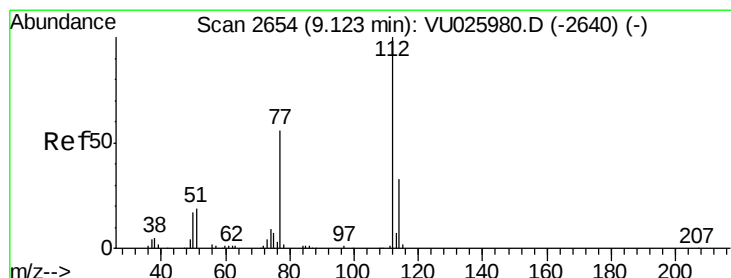
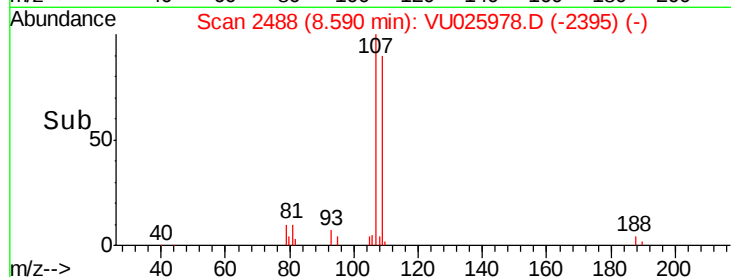
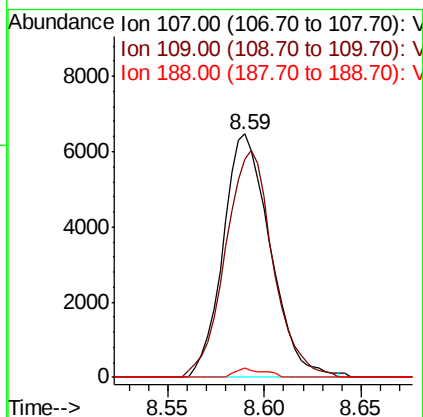
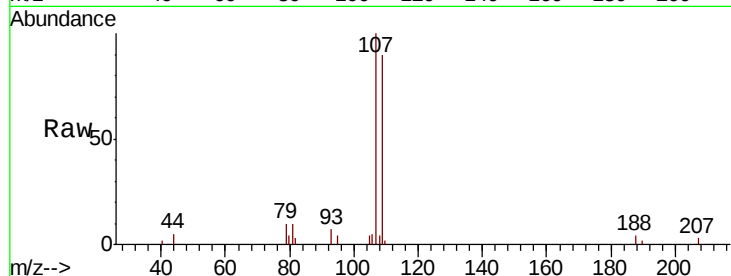




#50
1,2-Dibromoethane
Concen: 5.277 ug/L
RT: 8.59 min Scan# 2488
Delta R.T. 0.00 min
Lab File: VU025978.D
Acq: 08 Aug 2018 19:17

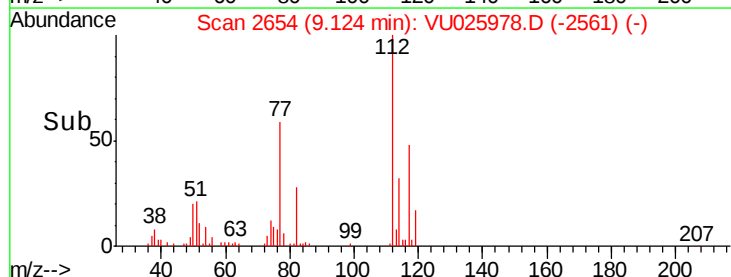
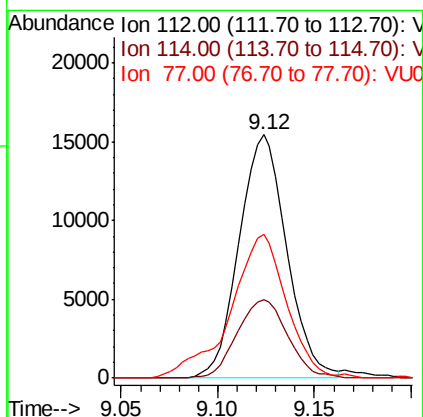
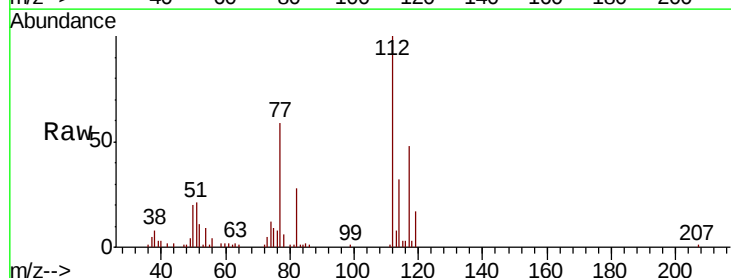
Instrument :
MSVOA_U
ClientSampleId :
VSTD00542

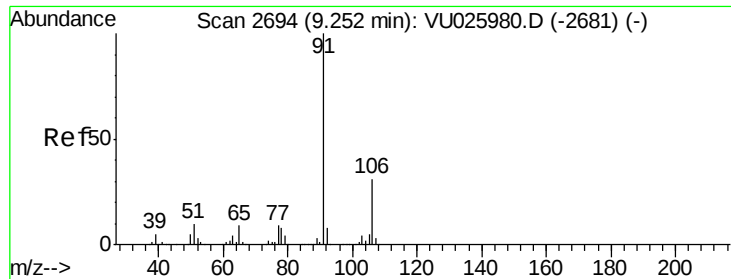
Tgt Ion:107 Resp: 10964
Ion Ratio Lower Upper
107 100
109 89.8 66.1 122.7
188 3.6 2.9 4.3



#51
Chlorobenzene
Concen: 4.885 ug/L
RT: 9.12 min Scan# 2654
Delta R.T. 0.00 min
Lab File: VU025978.D
Acq: 08 Aug 2018 19:17

Tgt Ion:112 Resp: 26427
Ion Ratio Lower Upper
112 100
114 32.3 22.7 42.3
77 59.2 45.2 67.8

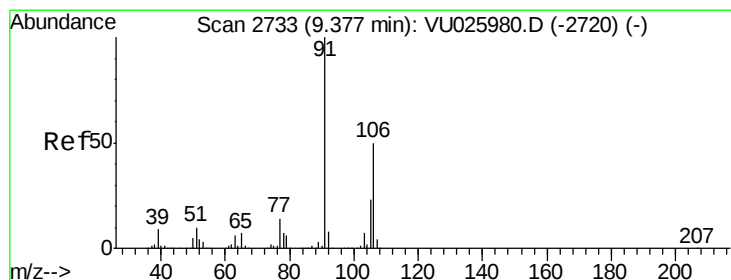
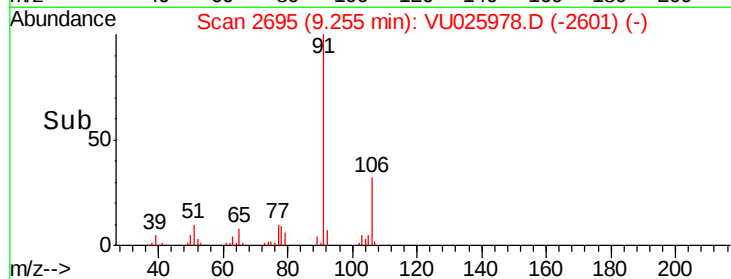
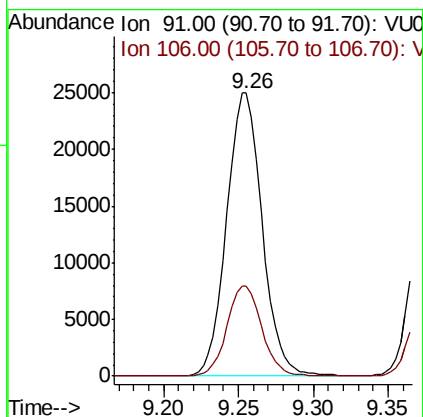
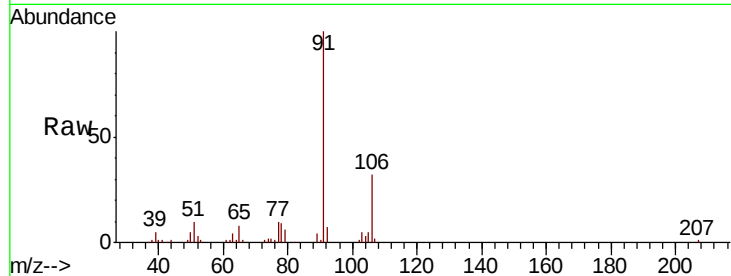




#52
Ethylbenzene
Concen: 4.618 ug/L
RT: 9.26 min Scan# 2695
Delta R.T. 0.00 min
Lab File: VU025978.D
Acq: 08 Aug 2018 19:17

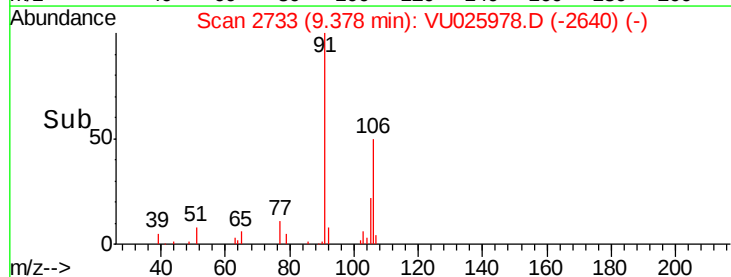
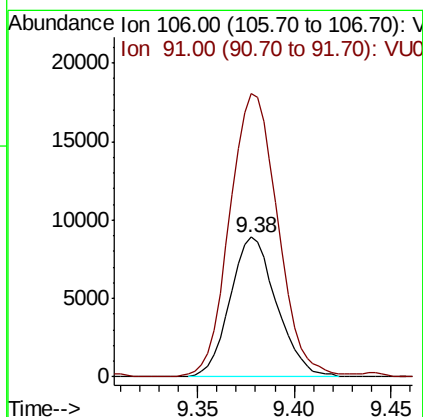
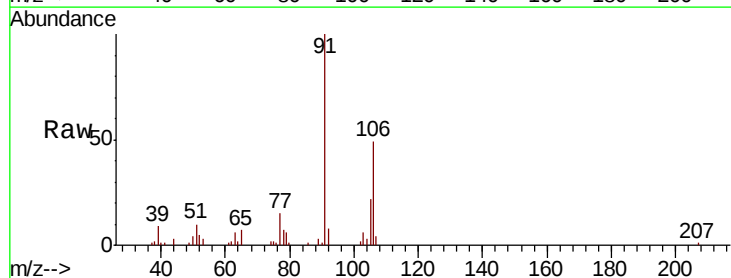
Instrument :
MSVOA_U
ClientSampleId :
VSTD00542

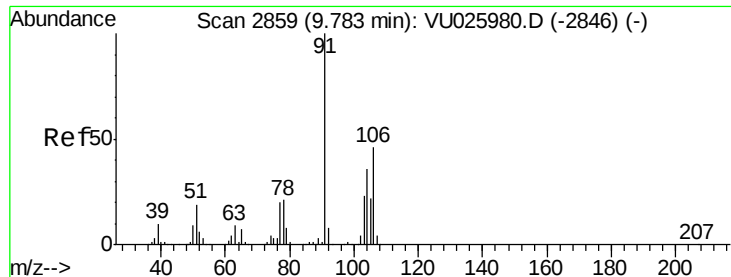
Tgt Ion: 91 Resp: 41322
Ion Ratio Lower Upper
91 100
106 31.7 22.0 41.0



#53
m,p-Xylene
Concen: 4.242 ug/L
RT: 9.38 min Scan# 2733
Delta R.T. 0.00 min
Lab File: VU025978.D
Acq: 08 Aug 2018 19:17

Tgt Ion: 106 Resp: 14904
Ion Ratio Lower Upper
106 100
91 203.0 141.3 262.5

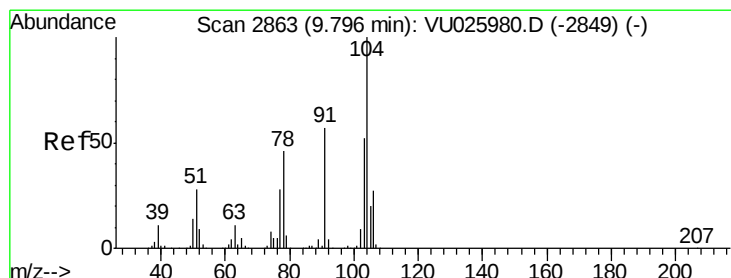
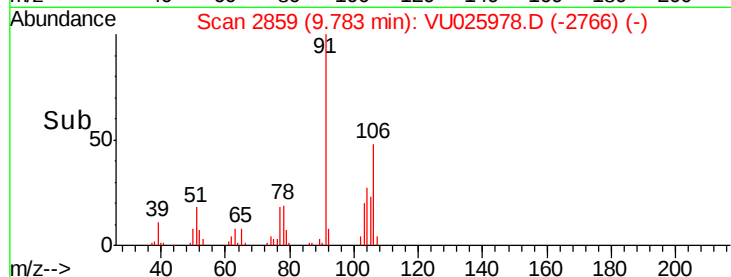
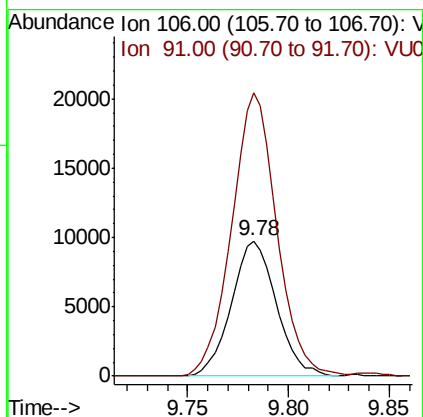
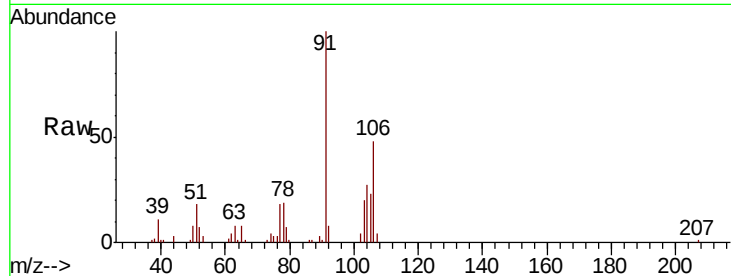




#54
o-xylene
Concen: 4.531 ug/L
RT: 9.78 min Scan# 2859
Delta R.T. 0.00 min
Lab File: VU025978.D
Acq: 08 Aug 2018 19:17

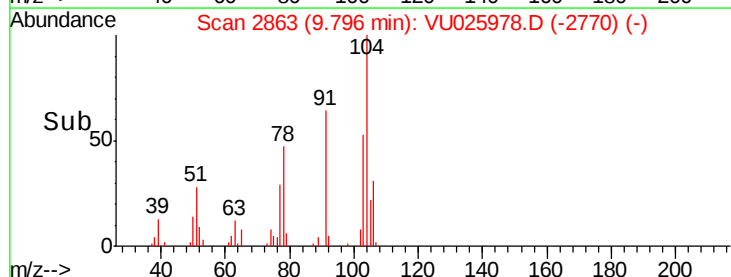
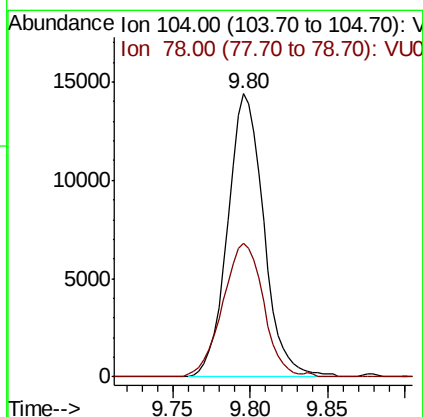
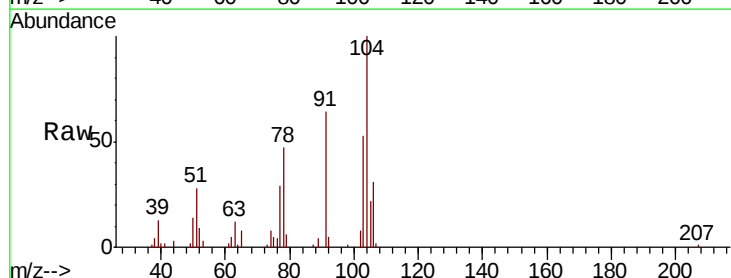
Instrument :
MSVOA_U
ClientSampleId :
VSTD00542

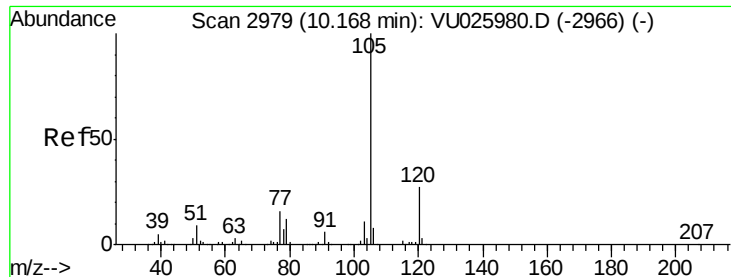
Tgt Ion:106 Resp: 15193
Ion Ratio Lower Upper
106 100
91 209.6 151.2 280.8



#55
Styrene
Concen: 4.135 ug/L
RT: 9.80 min Scan# 2863
Delta R.T. 0.00 min
Lab File: VU025978.D
Acq: 08 Aug 2018 19:17

Tgt Ion:104 Resp: 23314
Ion Ratio Lower Upper
104 100
78 47.4 32.1 59.5





#56

Isopropylbenzene

Concen: 4.236 ug/L

RT: 10.17 min Scan# 2980

Delta R.T. 0.00 min

Lab File: VU025978.D

Acq: 08 Aug 2018 19:17

Instrument :

MSVOA_U

ClientSampleId :

VSTD00542

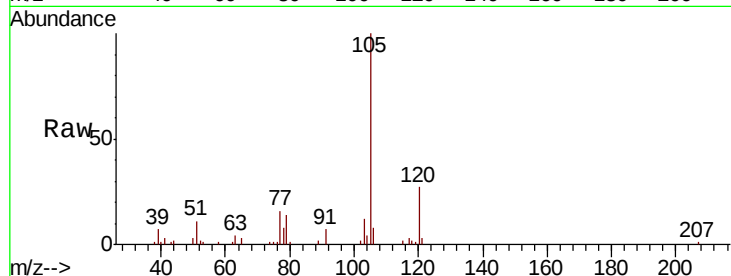
Tgt Ion: 105 Resp: 37688

Ion Ratio Lower Upper

105 100

120 26.9 21.7 32.5

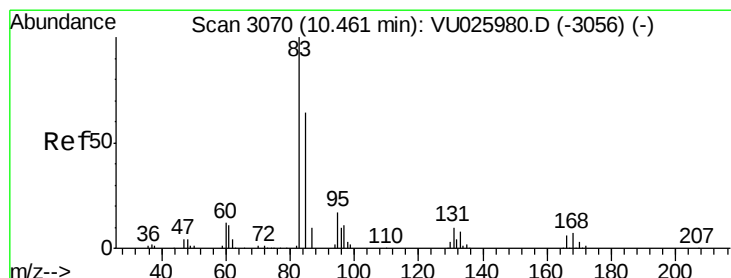
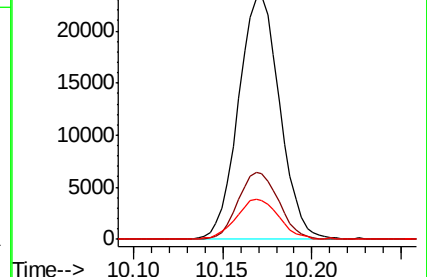
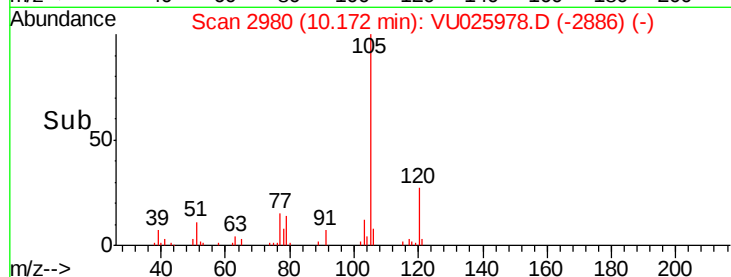
77 16.9 12.6 18.8



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: 5.366 ug/L

RT: 10.46 min Scan# 3070

Delta R.T. 0.00 min

Lab File: VU025978.D

Acq: 08 Aug 2018 19:17

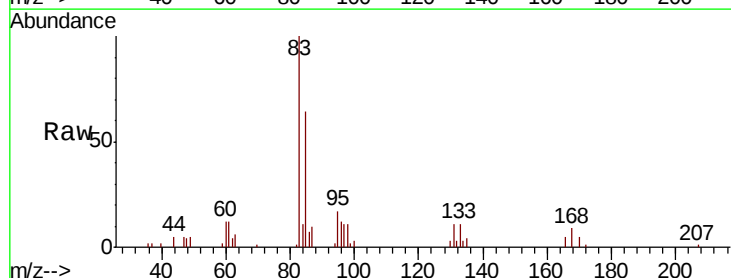
Tgt Ion: 83 Resp: 16936

Ion Ratio Lower Upper

83 100

85 64.4 45.0 83.6

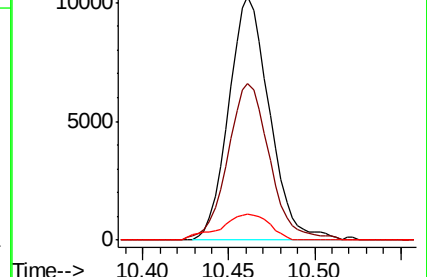
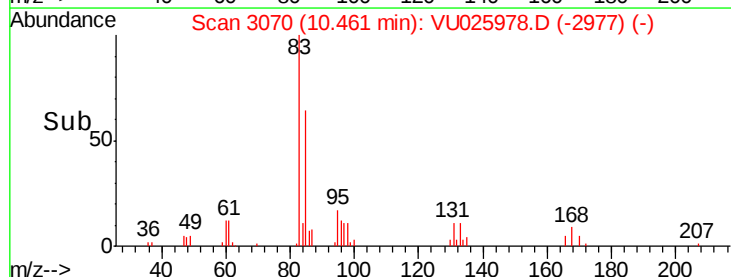
131 10.7 8.6 12.8

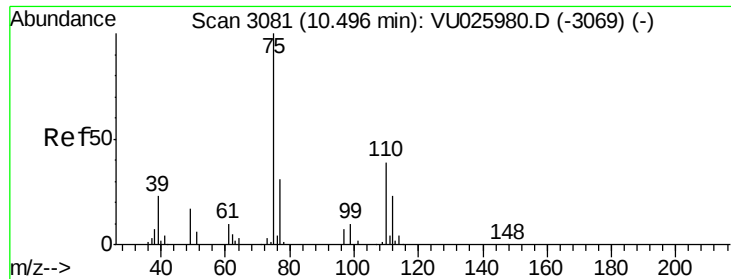


Abundance Ion 83.00 (82.70 to 83.70): V

Ion 85.00 (84.70 to 85.70): V

Ion 131.00 (130.70 to 131.70): V

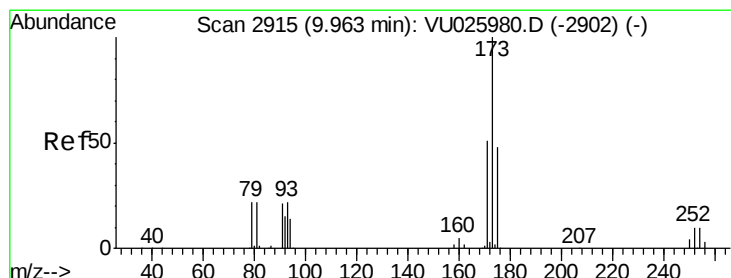
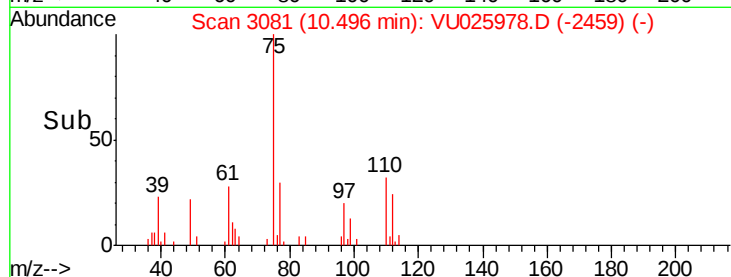
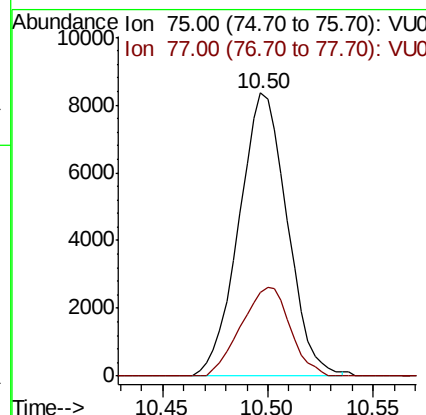
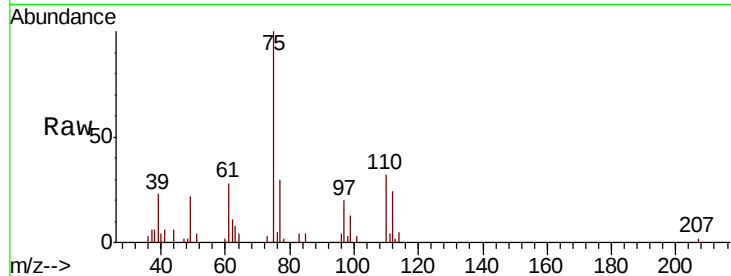




#59
 1,2,3-Trichloropropane
 Concen: 5.343 ug/L
 RT: 10.50 min Scan# 3081
 Delta R.T. 0.00 min
 Lab File: VU025978.D
 Acq: 08 Aug 2018 19:17

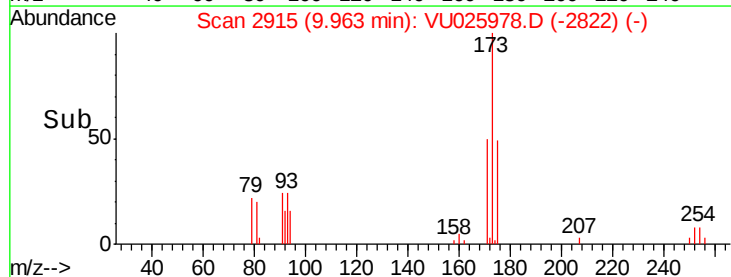
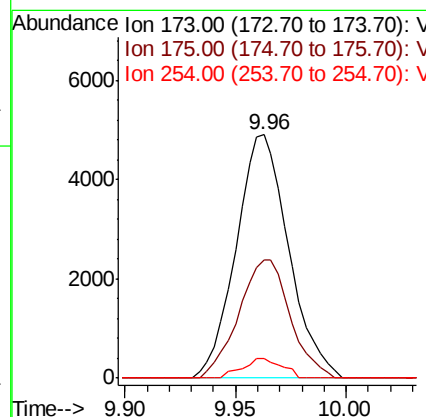
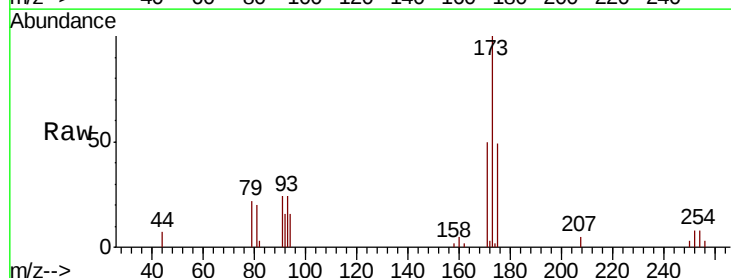
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00542

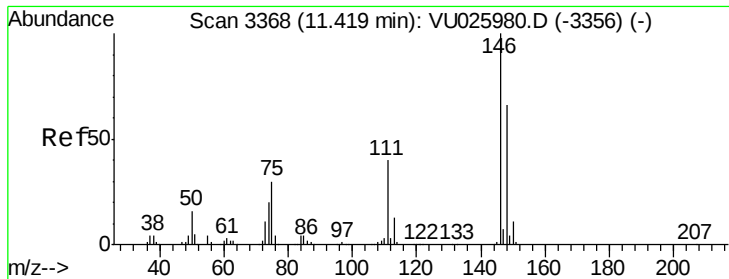
Tgt Ion: 75 Resp: 13298
 Ion Ratio Lower Upper
 75 100
 77 31.9 25.3 37.9



#61
 Bromoform
 Concen: 5.821 ug/L
 RT: 9.96 min Scan# 2915
 Delta R.T. 0.00 min
 Lab File: VU025978.D
 Acq: 08 Aug 2018 19:17

Tgt Ion: 173 Resp: 8125
 Ion Ratio Lower Upper
 173 100
 175 47.7 38.9 58.3
 254 5.9 7.4 11.0#





#62

1,3-Dichlorobenzene

Concen: 5.182 ug/L

RT: 11.42 min Scan# 3369

Delta R.T. 0.00 min

Lab File: VU025978.D

Acq: 08 Aug 2018 19:17

Instrument :

MSVOA_U

ClientSampleId :

VSTD00542

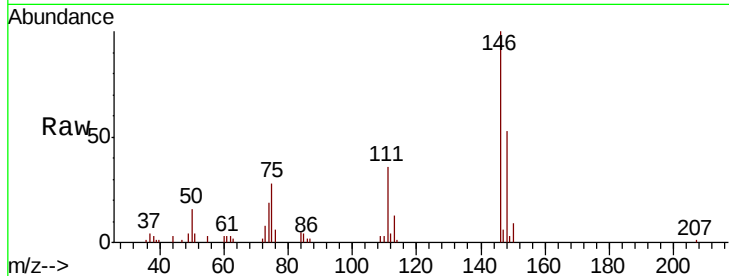
Tgt Ion:146 Resp: 18499

Ion Ratio Lower Upper

146 100

111 35.9 27.9 51.9

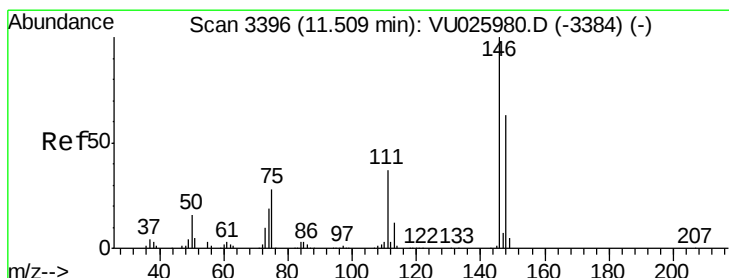
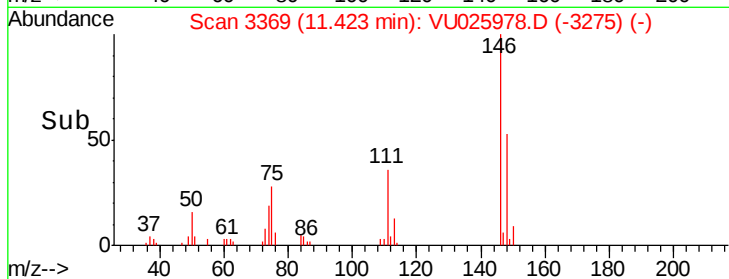
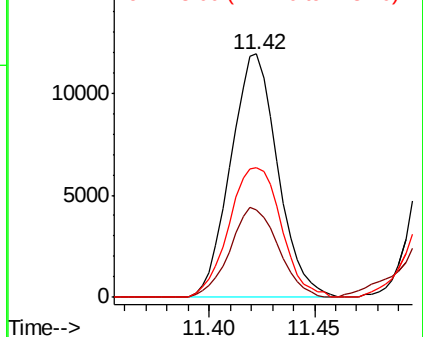
148 53.0 46.0 85.4



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



#63

1,4-Dichlorobenzene

Concen: 5.589 ug/L

RT: 11.51 min Scan# 3397

Delta R.T. 0.00 min

Lab File: VU025978.D

Acq: 08 Aug 2018 19:17

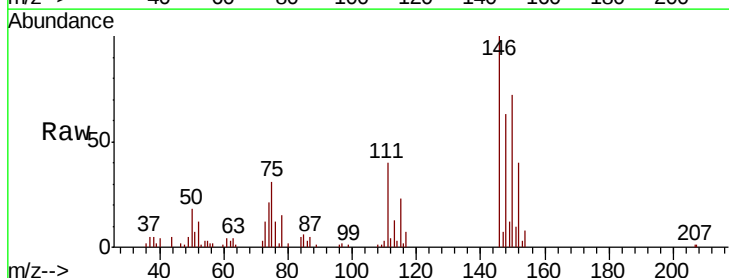
Tgt Ion:146 Resp: 20432

Ion Ratio Lower Upper

146 100

111 39.6 26.4 49.0

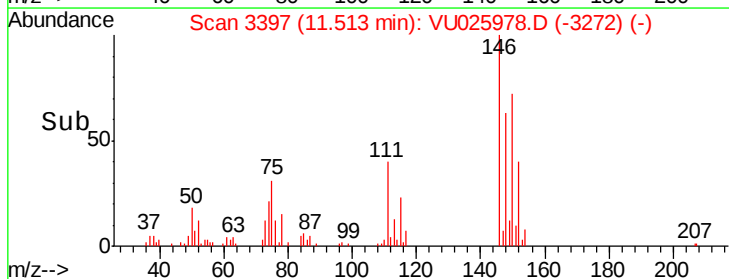
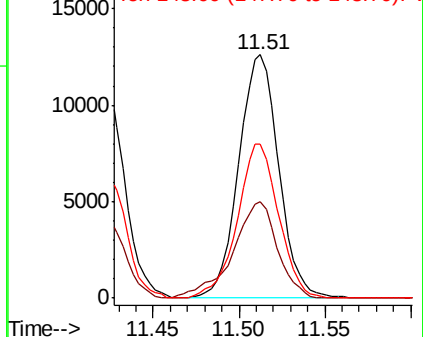
148 63.3 43.8 81.4

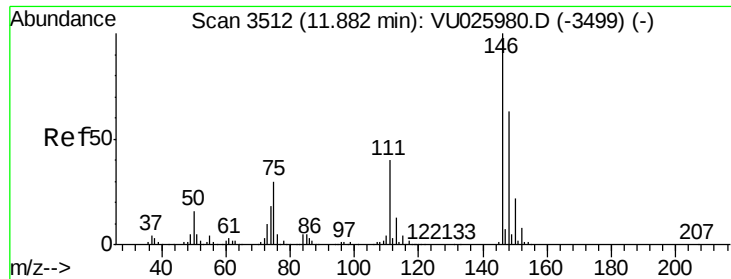


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 5.474 ug/L

RT: 11.88 min Scan# 3512

Delta R.T. 0.00 min

Lab File: VU025978.D

Acq: 08 Aug 2018 19:17

Instrument :

MSVOA_U

ClientSampleId :

VSTD00542

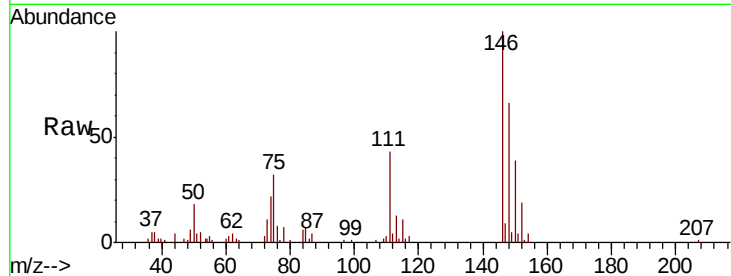
Tgt Ion:146 Resp: 19848

Ion Ratio Lower Upper

146 100

111 43.3 32.4 48.6

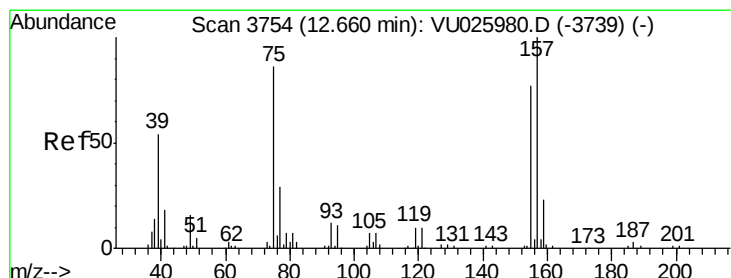
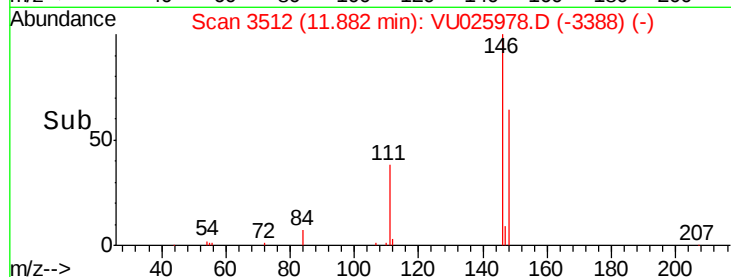
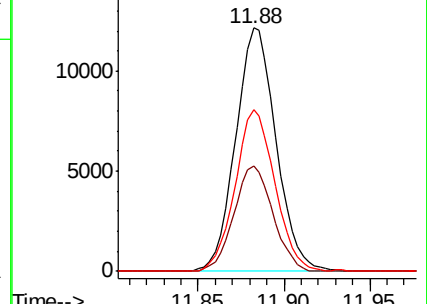
148 66.4 50.1 75.1



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: 6.414 ug/L

RT: 12.66 min Scan# 3754

Delta R.T. 0.00 min

Lab File: VU025978.D

Acq: 08 Aug 2018 19:17

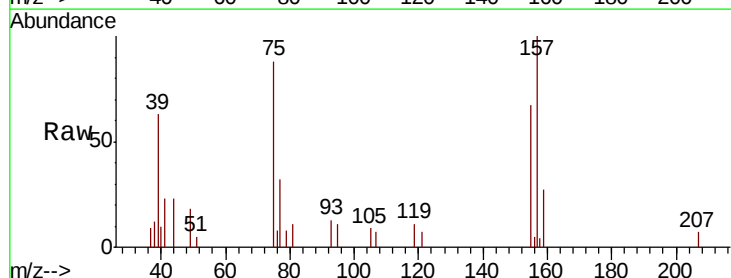
Tgt Ion: 75 Resp: 3618

Ion Ratio Lower Upper

75 100

155 75.9 71.8 107.8

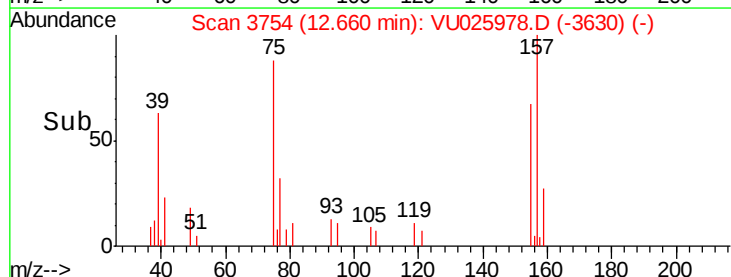
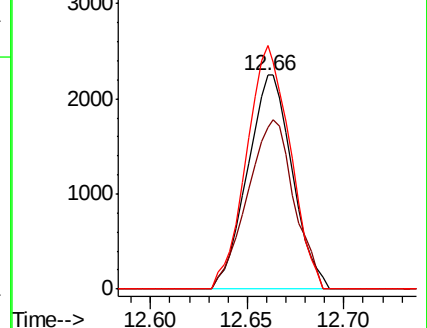
157 113.8 93.0 139.6

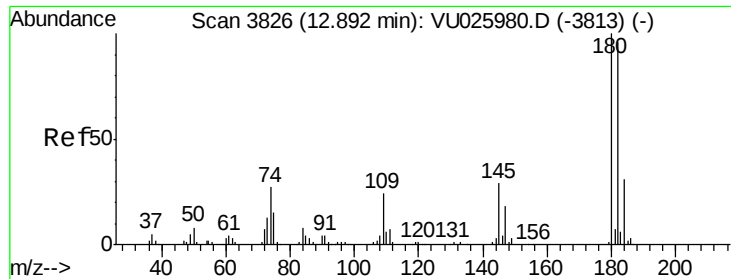


Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

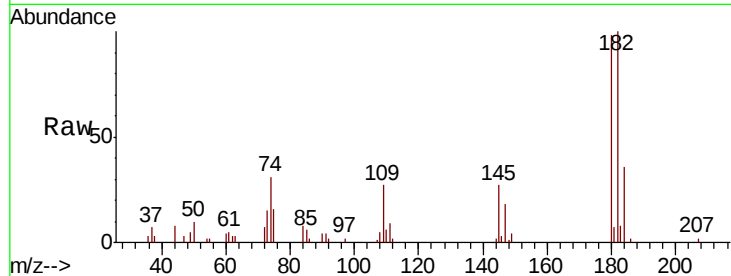




#67
 1,3,5-Trichlorobenzene
 Concen: 4.958 ug/L
 RT: 12.89 min Scan# 3826
 Delta R.T. 0.00 min
 Lab File: VU025978.D
 Acq: 08 Aug 2018 19:17

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00542

Tgt Ion:	180	Resp:	13109
Ion	Ratio	Lower	Upper
180	100		
182	100.1	76.5	114.7
184	32.6	24.3	36.5
145	29.9	23.5	35.3



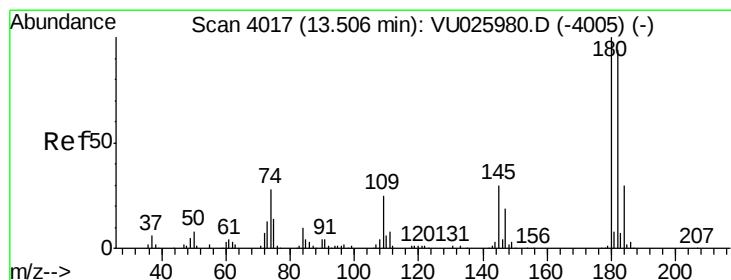
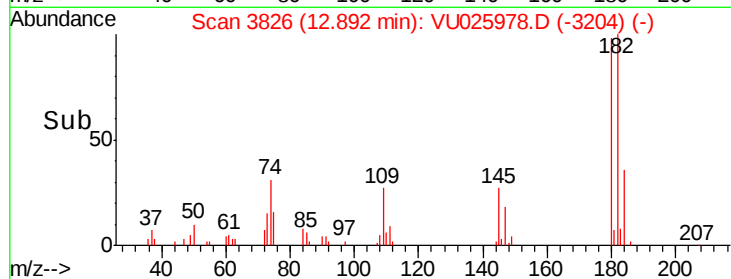
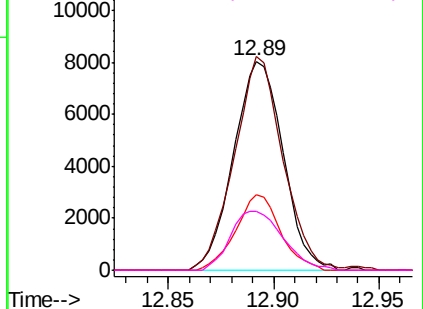
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

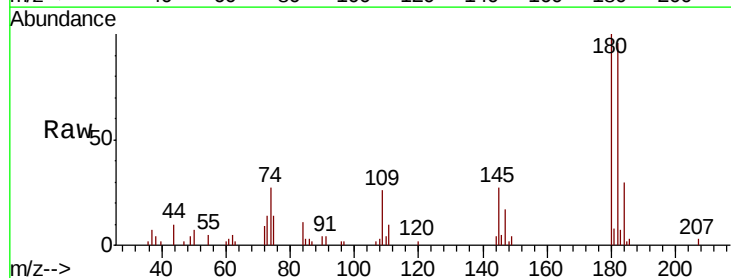
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 4.700 ug/L
 RT: 13.51 min Scan# 4017
 Delta R.T. 0.00 min
 Lab File: VU025978.D
 Acq: 08 Aug 2018 19:17

Tgt Ion:	180	Resp:	10633
Ion	Ratio	Lower	Upper
180	100		
182	99.4	76.5	114.7
145	30.3	24.2	36.4

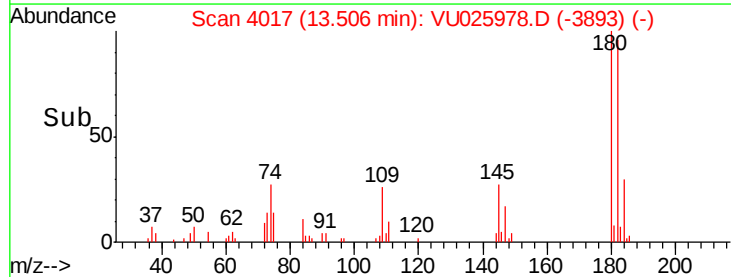
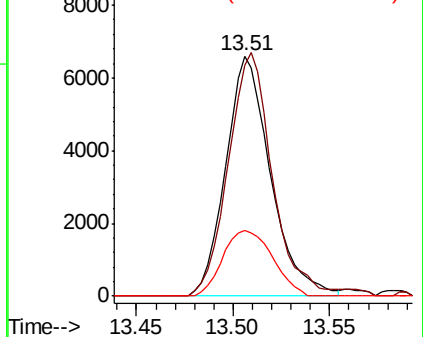


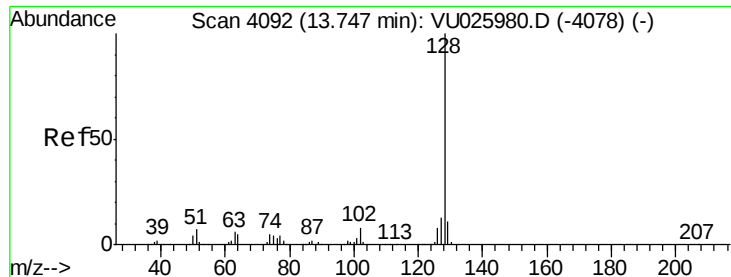
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V





#69

Naphthalene

Concen: 4.512 ug/L

RT: 13.75 min Scan# 4092

Delta R.T. 0.00 min

Lab File: VU025978.D

Acq: 08 Aug 2018 19:17

Instrument :

MSVOA_U

ClientSampleId :

VSTD00542

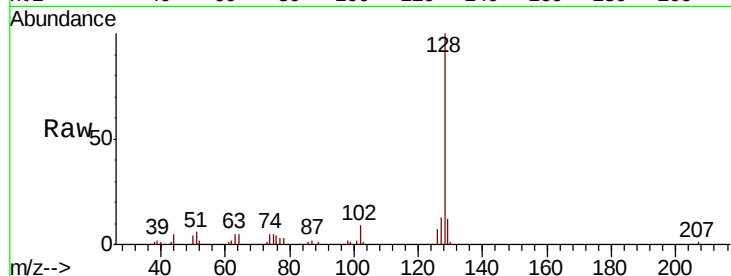
Tgt Ion:128 Resp: 30877

Ion Ratio Lower Upper

128 100

127 13.0 10.3 15.5

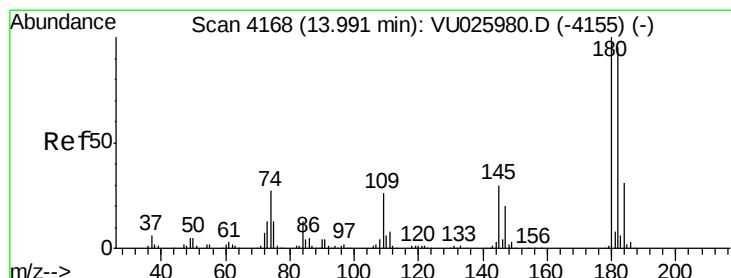
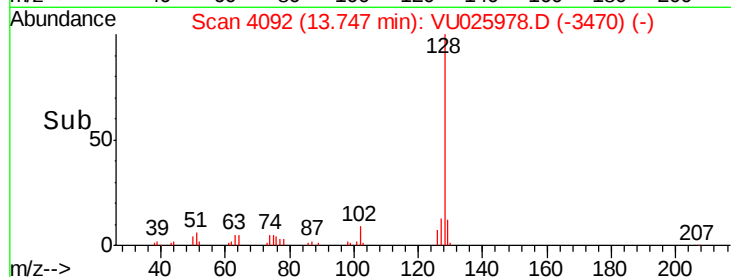
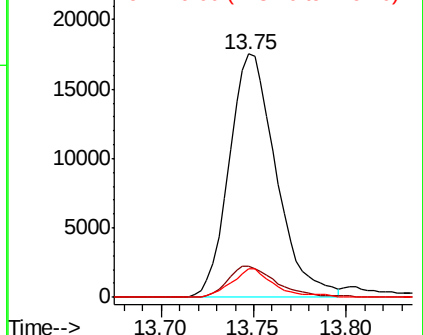
129 10.3 8.6 13.0



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: 4.605 ug/L

RT: 13.99 min Scan# 4168

Delta R.T. 0.00 min

Lab File: VU025978.D

Acq: 08 Aug 2018 19:17

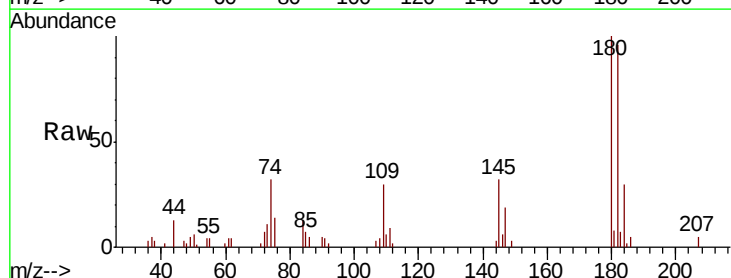
Tgt Ion:180 Resp: 10894

Ion Ratio Lower Upper

180 100

182 98.5 76.5 114.7

145 32.4 24.7 37.1



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

