

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VV080918\
 Data File : VU025979.D
 Acq On : 08 Aug 2018 19:41
 Operator : MD/SY
 Sample : VSTD01043
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD01043

Quant Time: Aug 09 01:27:22 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	303428	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	278366	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.49	152	125998	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	22525	12.73	ug/L	0.00
7) Chloroethane-d5	1.68	69	18583	13.80	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.27	63	42981	12.37	ug/L	0.00
21) 2-Butanone-d5	4.18	46	37278	29.23	ug/L	0.00
24) Chloroform-d	4.65	84	46708	13.25	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.31	65	32528	13.96	ug/L	0.00
32) Benzene-d6	5.35	84	87714	13.28	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.33	67	29258	14.14	ug/L	0.00
41) Toluene-d8	7.57	98	82255	12.88	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.85	79	14164	13.17	ug/L	0.00
47) 2-Hexanone-d5	8.31	63	23477	26.57	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.44	84	41834	14.35	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.86	152	32585	14.42	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.20	85	26937	11.349 ug/L	99
3) Chloromethane	1.33	50	24547	12.163 ug/L	99
5) Vinyl chloride	1.40	62	23058	10.805 ug/L	100
6) Bromomethane	1.62	94	13092	13.128 ug/L	98
8) Chloroethane	1.70	64	14122	11.449 ug/L	99
9) Trichlorofluoromethane	1.89	101	34194	11.206 ug/L	94
10) 1,1,2-Trichloro-1,2,2-trif	2.29	101	19566	11.313 ug/L	97
12) 1,1-Dichloroethene	2.28	96	17670	11.209 ug/L	94
13) Acetone	2.32	43	23282	17.550 ug/L	97
14) Carbon disulfide	2.48	76	58108	10.510 ug/L	99
15) Methyl Acetate	2.62	43	24996	11.640 ug/L	99
16) Methylene chloride	2.70	84	22264	11.016 ug/L	96
17) trans-1,2-Dichloroethene	2.99	96	20006	10.551 ug/L	98
18) Methyl tert-butyl Ether	3.00	73	63767	10.534 ug/L	99
19) 1,1-Dichloroethane	3.45	63	38217	11.019 ug/L	98
20) cis-1,2-Dichloroethene	4.23	96	22393	10.549 ug/L	91
22) 2-Butanone	4.27	43	33571	19.818 ug/L	99
23) Bromochloromethane	4.55	128	11973	10.656 ug/L	94
25) Chloroform	4.68	83	40168	10.927 ug/L	95
27) 1,2-Dichloroethane	5.41	62	33319	11.282 ug/L	99
29) Cyclohexane	5.00	56	31359	10.559 ug/L	98
30) 1,1,1-Trichloroethane	4.92	97	37186	11.544 ug/L	97
31) Carbon tetrachloride	5.14	117	33370	11.528 ug/L	98
33) Benzene	5.39	78	83484	11.308 ug/L	100
34) Trichloroethene	6.19	95	21493	10.562 ug/L	94
35) Methylcyclohexane	6.42	83	30193	9.774 ug/L	96
37) 1,2-Dichloropropane	6.44	63	22604	11.436 ug/L	99
38) Bromodichloromethane	6.76	83	29955	11.178 ug/L	97
39) cis-1,3-Dichloropropene	7.27	75	32246	10.074 ug/L	99
40) 4-Methyl-2-pentanone	7.46	43	59585	21.997 ug/L	98

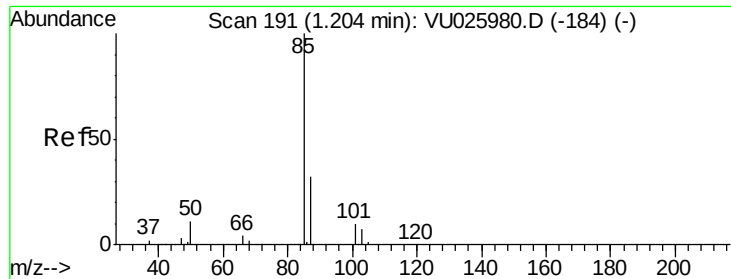
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VV080918\
 Data File : VU025979.D
 Acq On : 08 Aug 2018 19:41
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Quant Time: Aug 09 01:27:22 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM080918WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Aug 09 01:26:57 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.64	91	83889	10.436	ug/L	95
44) trans-1,3-Dichloropropene	7.89	75	30126	10.023	ug/L	98
45) 1,1,2-Trichloroethane	8.07	97	21282	11.208	ug/L	96
46) Tetrachloroethene	8.23	164	18136	10.421	ug/L	97
48) 2-Hexanone	8.37	43	46167	21.296	ug/L	96
49) Dibromochloromethane	8.48	129	25146	10.858	ug/L	96
50) 1,2-Dibromoethane	8.59	107	22861	10.861	ug/L	99
51) Chlorobenzene	9.12	112	57780	10.543	ug/L	99
52) Ethylbenzene	9.25	91	88878	9.805	ug/L	98
53) m,p-Xylene	9.38	106	34054	9.568	ug/L	97
54) o-xylene	9.78	106	33010	9.718	ug/L	99
55) Styrene	9.80	104	53588	9.382	ug/L	96
56) Isopropylbenzene	10.17	105	83031	9.212	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.46	83	35019	10.952	ug/L	96
59) 1,2,3-Trichloropropane	10.50	75	28707	11.384	ug/L	96
61) Bromoform	9.96	173	17313	11.735	ug/L	98
62) 1,3-Dichlorobenzene	11.42	146	39477	10.463	ug/L	98
63) 1,4-Dichlorobenzene	11.51	146	42415	10.976	ug/L	97
65) 1,2-Dichlorobenzene	11.89	146	43590	11.374	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.66	75	7757	13.010	ug/L	95
67) 1,3,5-Trichlorobenzene	12.89	180	29338	10.498	ug/L	98
68) 1,2,4-trichlorobenzene	13.51	180	23526	9.838	ug/L	96
69) Naphthalene	13.75	128	71405	9.872	ug/L	98
70) 1,2,3-Trichlorobenzene	13.99	180	26322	10.526	ug/L	100

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



#2

Dichlorodifluoromethane

Concen: 11.349 ug/L

RT: 1.20 min Scan# 191

Delta R.T. -0.00 min

Lab File: VU025979.D

Acq: 08 Aug 2018 19:41

Instrument :

MSVOA_U

ClientSampleId :

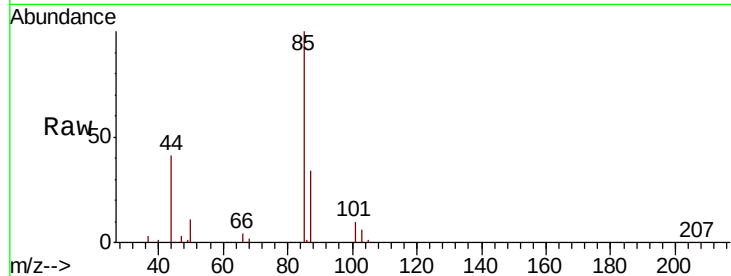
VSTD01043

Tgt Ion: 85 Resp: 26937

Ion Ratio Lower Upper

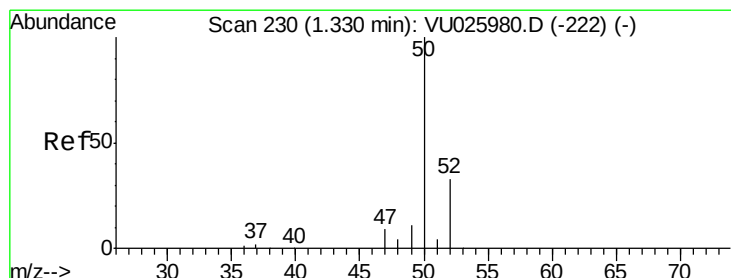
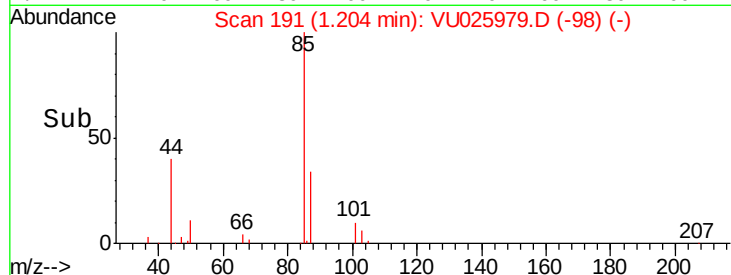
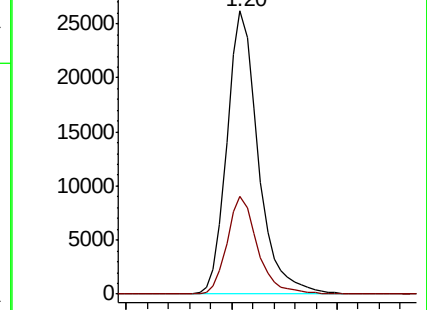
85 100

87 33.2 26.1 39.1



Abundance Ion 85.00 (84.70 to 85.70): VU025979.D (-98) (-)

Ion 87.00 (86.70 to 87.70): VU025979.D (-98) (-)



#3

Chloromethane

Concen: 12.163 ug/L

RT: 1.33 min Scan# 230

Delta R.T. -0.00 min

Lab File: VU025979.D

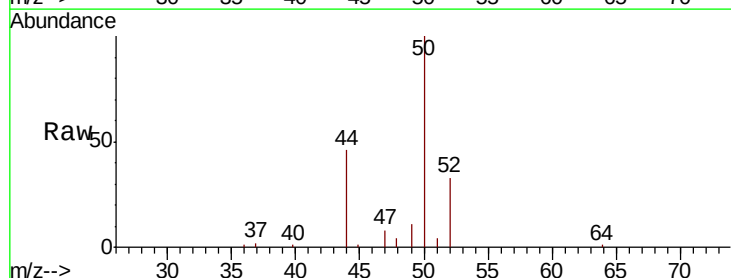
Acq: 08 Aug 2018 19:41

Tgt Ion: 50 Resp: 24547

Ion Ratio Lower Upper

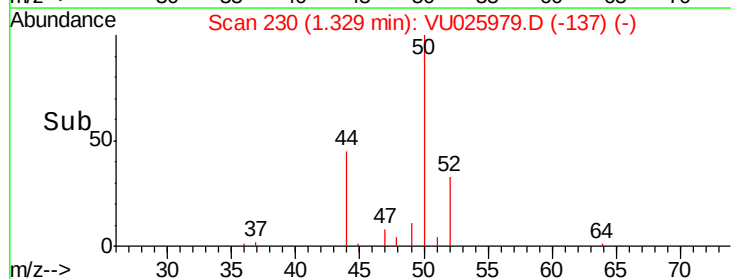
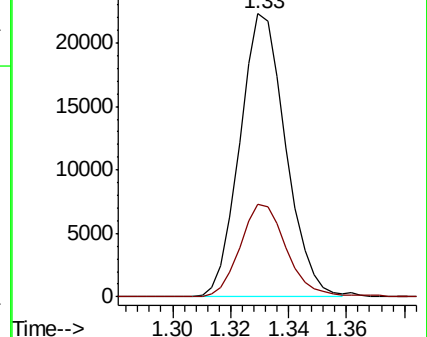
50 100

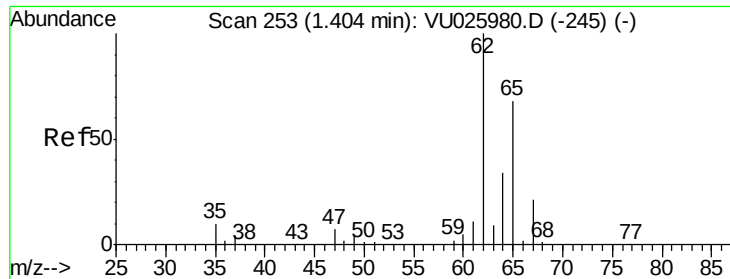
52 32.6 23.4 43.4



Abundance Ion 50.00 (49.70 to 50.70): VU025979.D (-137) (-)

Ion 52.00 (51.70 to 52.70): VU025979.D (-137) (-)





#5

Vinyl chloride

Concen: 10.805 ug/L

RT: 1.40 min Scan# 253

Delta R.T. -0.00 min

Lab File: VU025979.D

Acq: 08 Aug 2018 19:41

Instrument :

MSVOA_U

ClientSampleId :

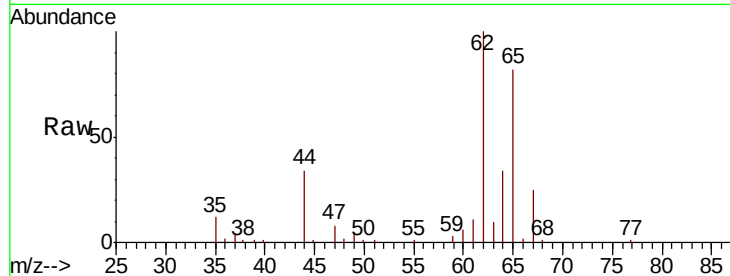
VSTD01043

Tgt Ion: 62 Resp: 23058

Ion Ratio Lower Upper

62 100

64 33.8 23.7 43.9



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 64.00 (63.70 to 64.70): VU0

25000

20000

15000

10000

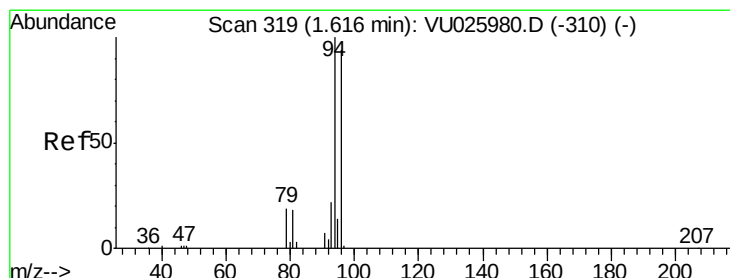
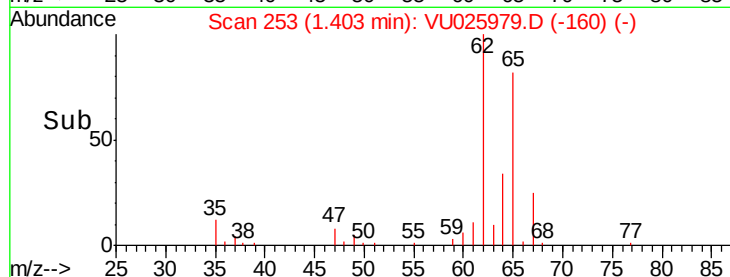
5000

0

Time-->

1.40

1.45



#6

Bromomethane

Concen: 13.128 ug/L

RT: 1.62 min Scan# 321

Delta R.T. 0.01 min

Lab File: VU025979.D

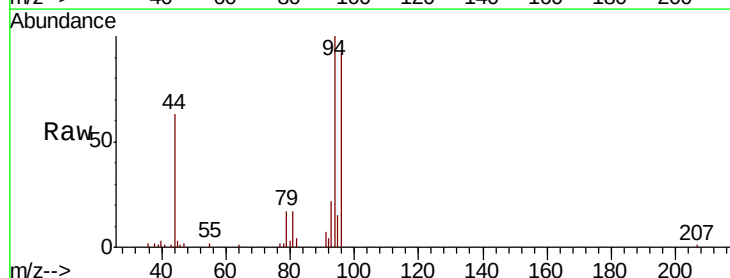
Acq: 08 Aug 2018 19:41

Tgt Ion: 94 Resp: 13092

Ion Ratio Lower Upper

94 100

96 92.0 65.6 121.8



Abundance Ion 94.00 (93.70 to 94.70): VU0

Ion 96.00 (95.70 to 96.70): VU0

12000

10000

8000

6000

4000

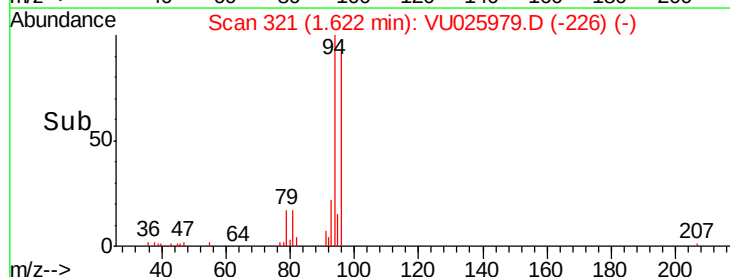
2000

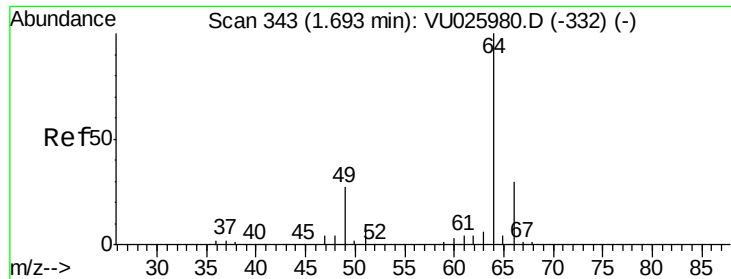
0

Time-->

1.60

1.65

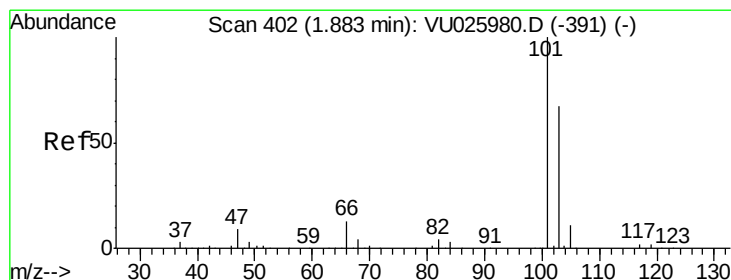
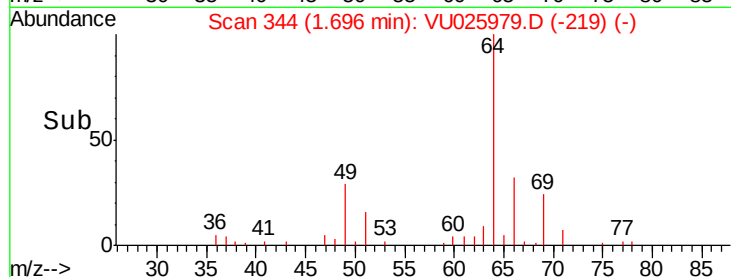
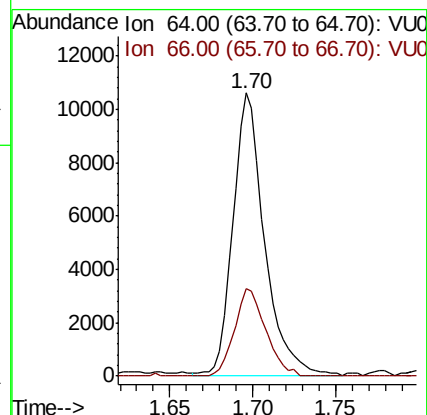
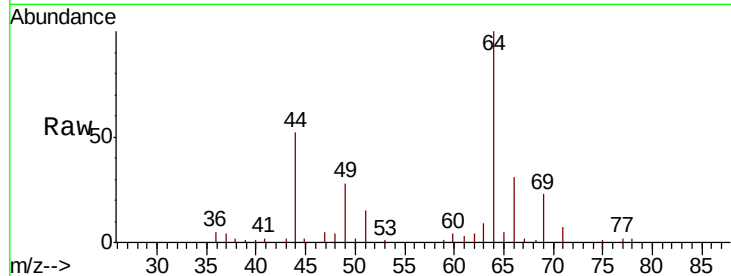




#8
Chloroethane
Concen: 11.449 ug/L
RT: 1.70 min Scan# 344
Delta R.T. 0.00 min
Lab File: VU025979.D
Acq: 08 Aug 2018 19:41

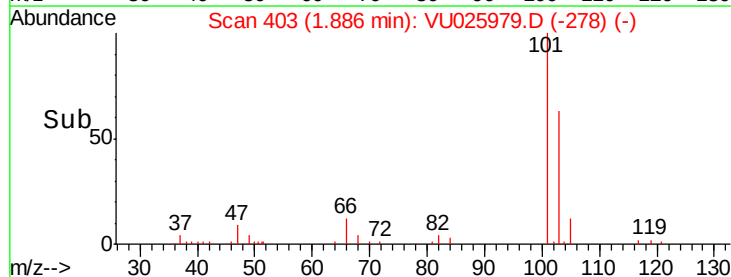
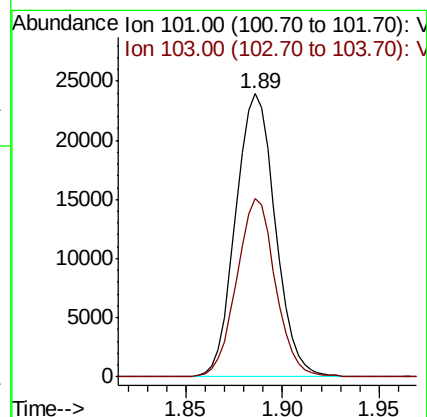
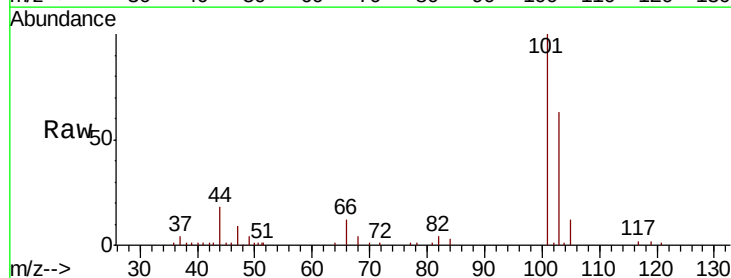
Instrument :
MSVOA_U
ClientSampleId :
VSTD01043

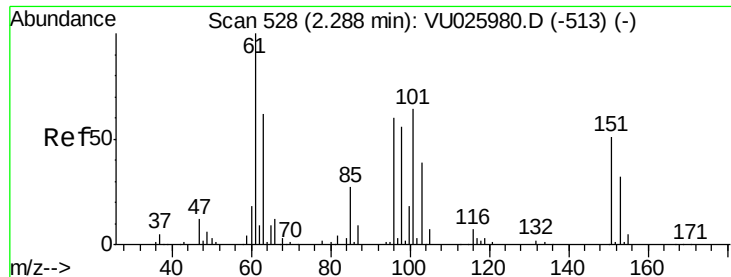
Tgt Ion: 64 Resp: 14122
Ion Ratio Lower Upper
64 100
66 30.8 21.2 39.4



#9
Trichlorofluoromethane
Concen: 11.206 ug/L
RT: 1.89 min Scan# 403
Delta R.T. 0.00 min
Lab File: VU025979.D
Acq: 08 Aug 2018 19:41

Tgt Ion: 101 Resp: 34194
Ion Ratio Lower Upper
101 100
103 61.5 52.7 79.1





#10

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

Concen: 11.313 ug/L

RT: 2.29 min Scan# 528

Delta R.T. -0.00 min

Lab File: VU025979.D

Acq: 08 Aug 2018 19:41

Instrument :

MSVOA_U

ClientSampleId :

VSTD01043

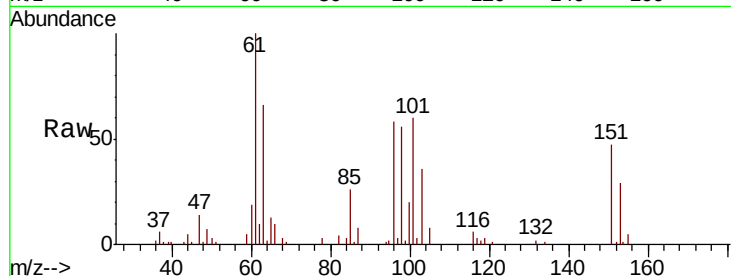
Tgt Ion: 101 Resp: 19566

Ion Ratio Lower Upper

101 100

85 42.4 36.0 54.0

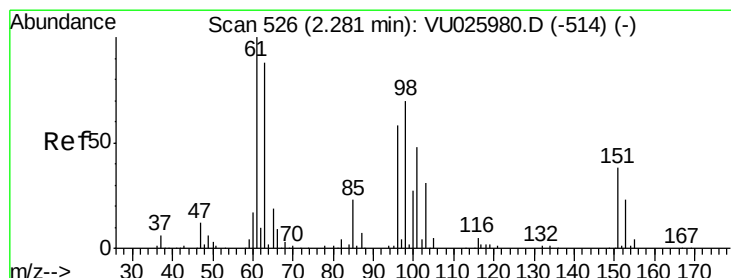
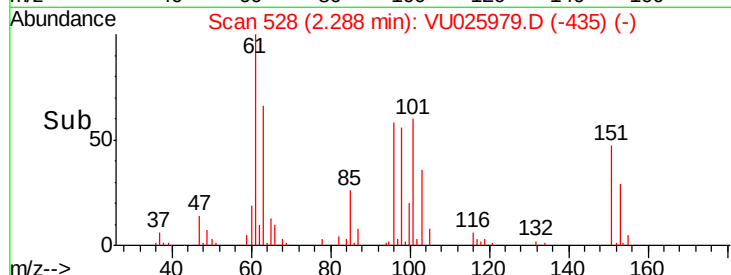
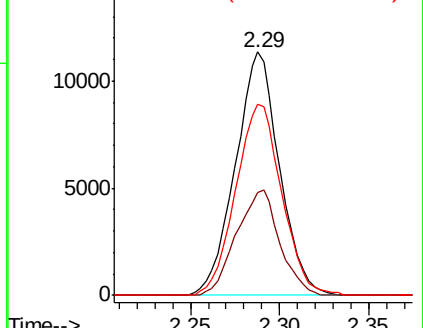
151 82.0 64.2 96.2



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: 11.209 ug/L

RT: 2.28 min Scan# 527

Delta R.T. 0.00 min

Lab File: VU025979.D

Acq: 08 Aug 2018 19:41

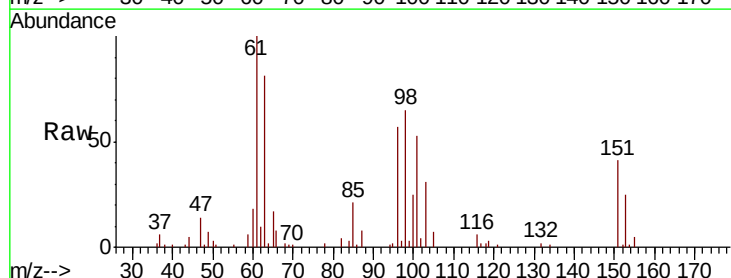
Tgt Ion: 96 Resp: 17670

Ion Ratio Lower Upper

96 100

61 175.2 121.2 225.2

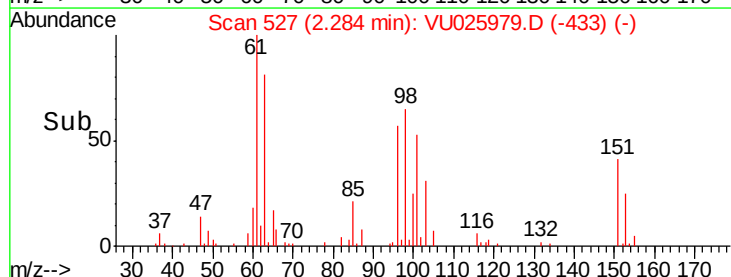
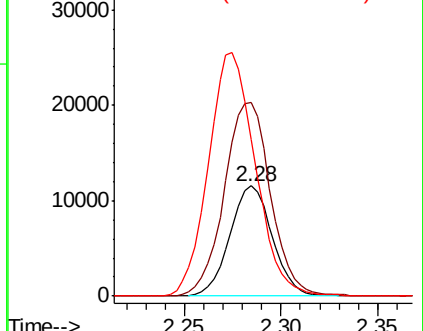
63 141.3 108.7 201.9

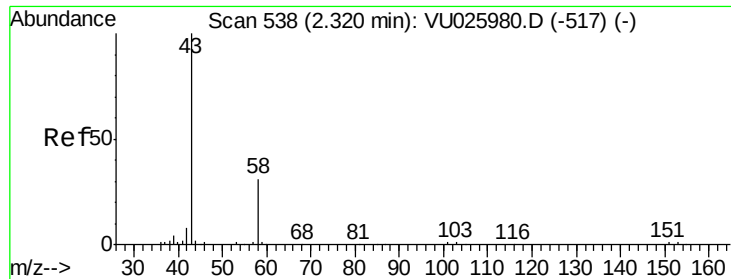


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 17.550 ug/L

RT: 2.32 min Scan# 538

Delta R.T. -0.00 min

Lab File: VU025979.D

Acq: 08 Aug 2018 19:41

Instrument :

MSVOA_U

ClientSampleId :

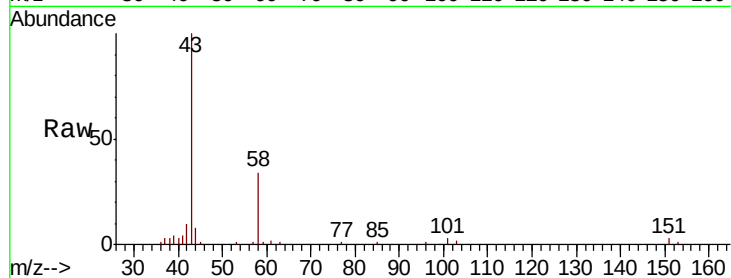
VSTD01043

Tgt Ion: 43 Resp: 23282

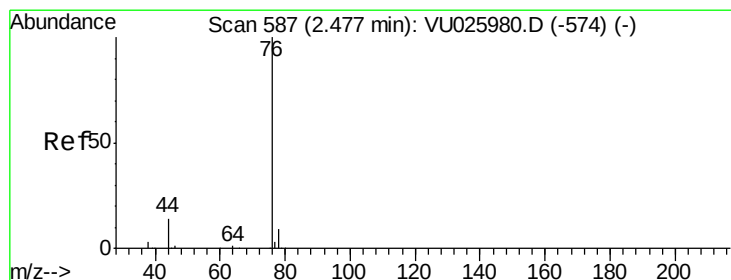
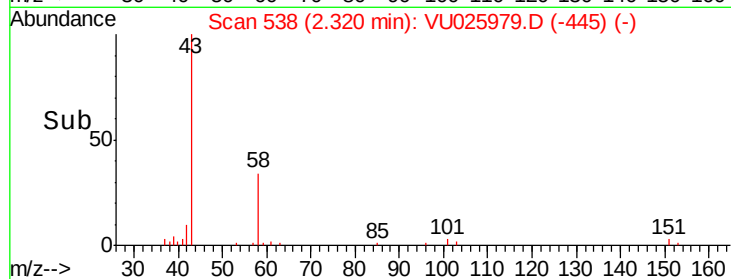
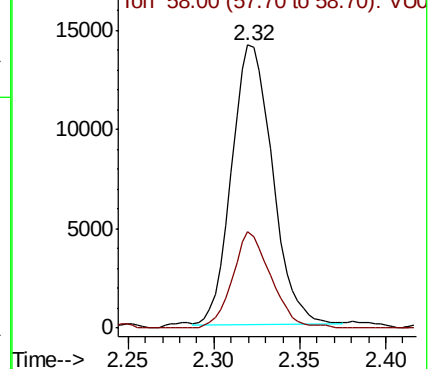
Ion Ratio Lower Upper

43 100

58 32.6 0.0 61.8



Abundance Ion 43.00 (42.70 to 43.70): VU025980.D (-517) (-)



#14

Carbon disulfide

Concen: 10.510 ug/L

RT: 2.48 min Scan# 587

Delta R.T. -0.00 min

Lab File: VU025979.D

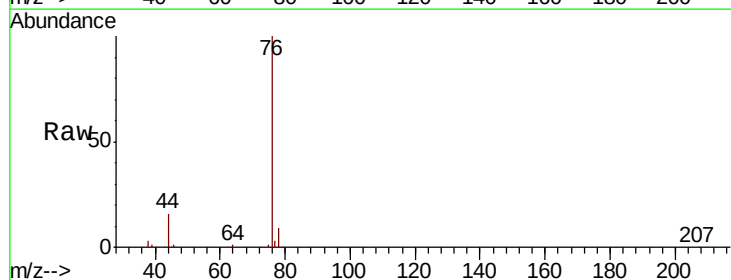
Acq: 08 Aug 2018 19:41

Tgt Ion: 76 Resp: 58108

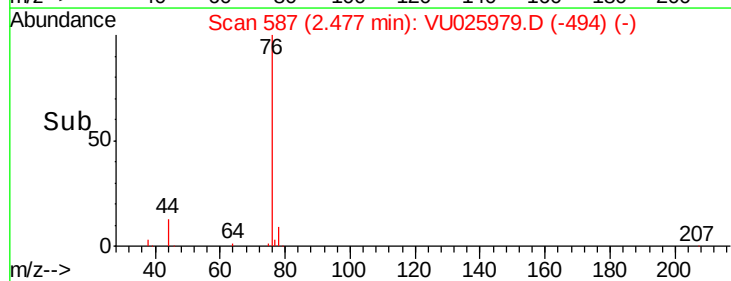
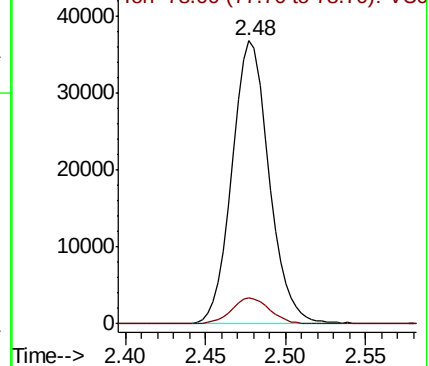
Ion Ratio Lower Upper

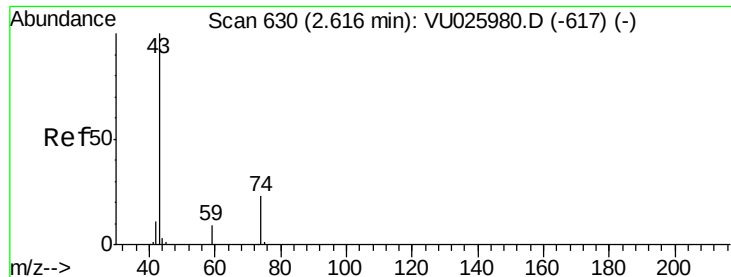
76 100

78 9.2 7.2 10.8



Abundance Ion 76.00 (75.70 to 76.70): VU025980.D (-574) (-)

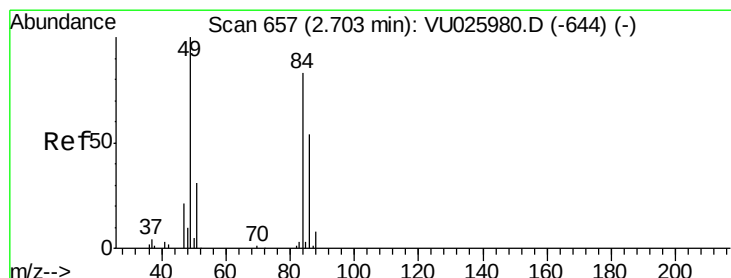
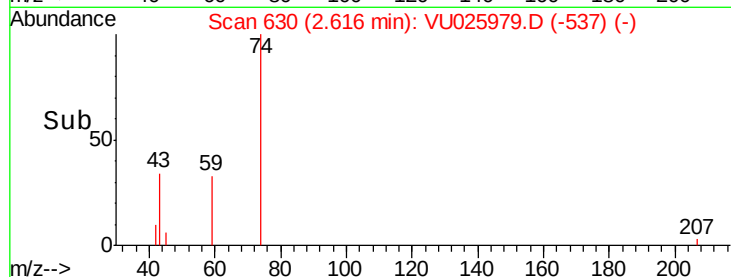
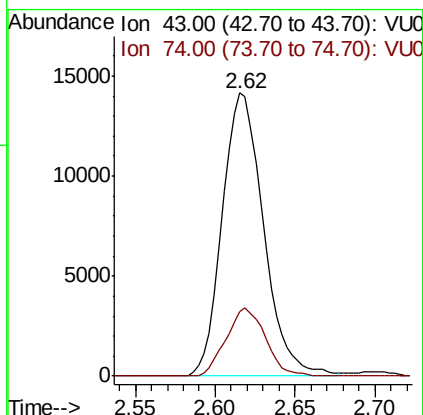
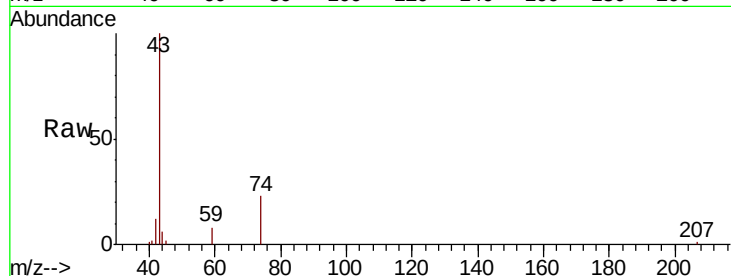




#15
Methyl Acetate
Concen: 11.640 ug/L
RT: 2.62 min Scan# 630
Delta R.T. -0.00 min
Lab File: VU025979.D
Acq: 08 Aug 2018 19:41

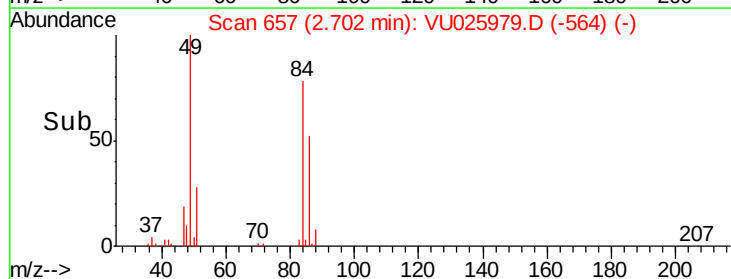
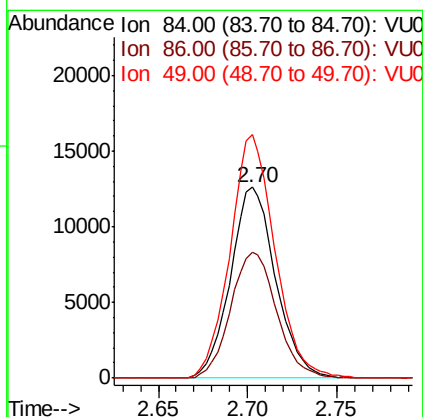
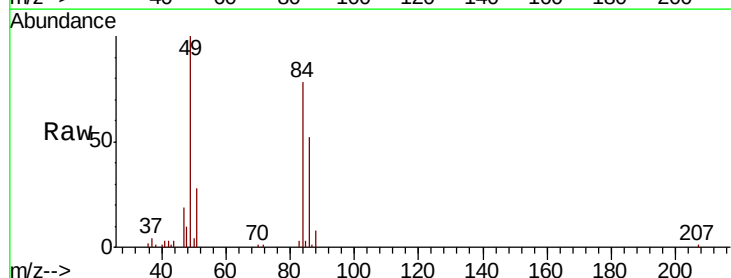
Instrument :
MSVOA_U
ClientSampleId :
VSTD01043

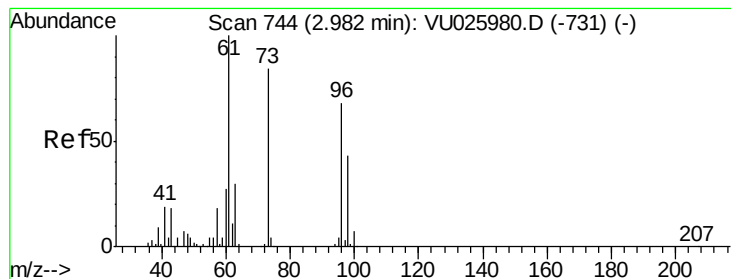
Tgt Ion: 43 Resp: 24996
Ion Ratio Lower Upper
43 100
74 22.8 17.8 26.8



#16
Methylene chloride
Concen: 11.016 ug/L
RT: 2.70 min Scan# 657
Delta R.T. -0.00 min
Lab File: VU025979.D
Acq: 08 Aug 2018 19:41

Tgt Ion: 84 Resp: 22264
Ion Ratio Lower Upper
84 100
86 66.0 45.8 85.0
49 127.5 85.0 157.8





#17

trans-1,2-Dichloroethene

Concen: 10.551 ug/L

RT: 2.99 min Scan# 745

Delta R.T. 0.00 min

Lab File: VU025979.D

Acq: 08 Aug 2018 19:41

Instrument :

MSVOA_U

ClientSampleId :

VSTD01043

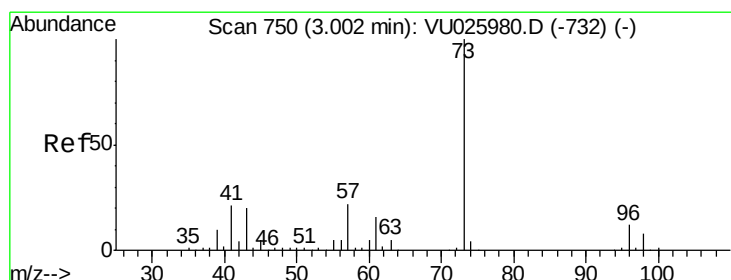
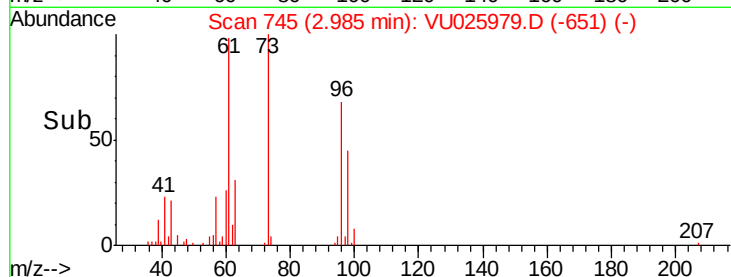
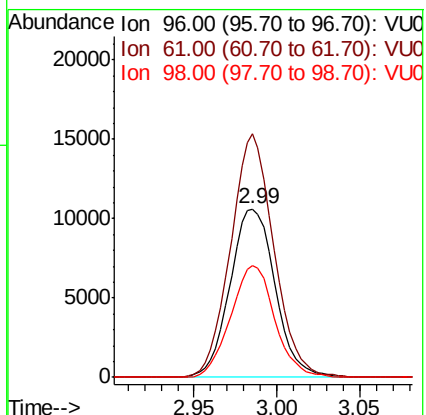
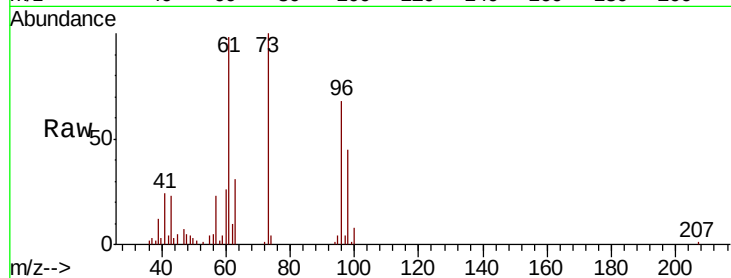
Tgt Ion: 96 Resp: 20006

Ion Ratio Lower Upper

96 100

61 144.3 102.8 190.8

98 66.4 44.7 83.1



#18

Methyl tert-butyl Ether

Concen: 10.534 ug/L

RT: 3.00 min Scan# 750

Delta R.T. -0.00 min

Lab File: VU025979.D

Acq: 08 Aug 2018 19:41

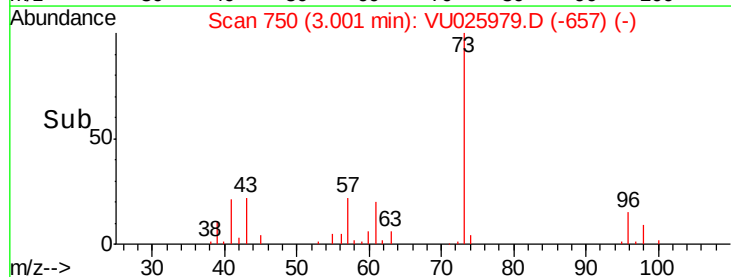
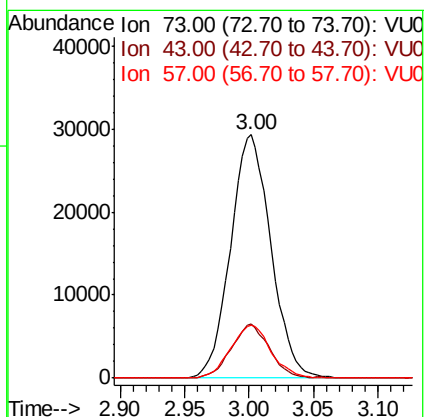
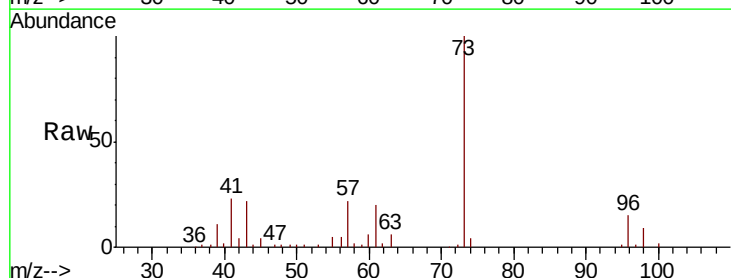
Tgt Ion: 73 Resp: 63767

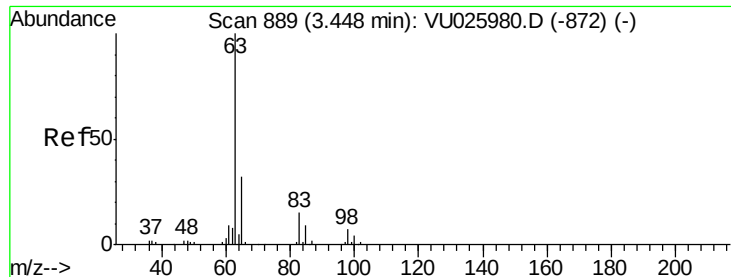
Ion Ratio Lower Upper

73 100

43 20.8 16.3 24.5

57 21.8 17.1 25.7

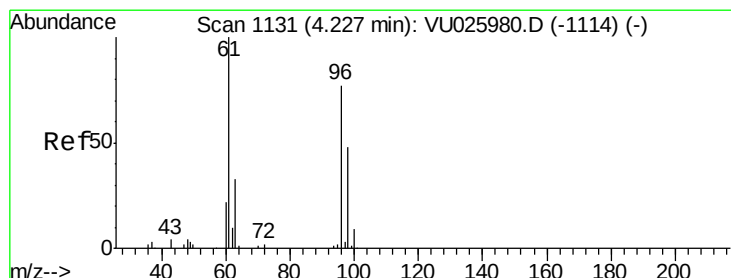
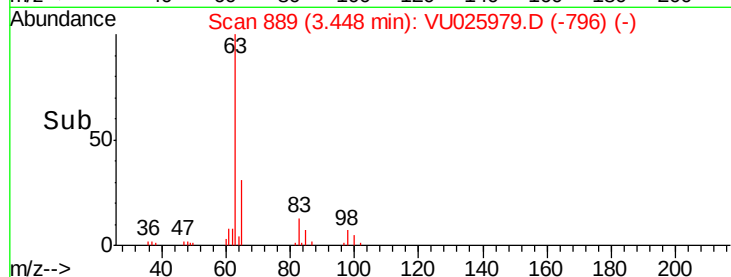
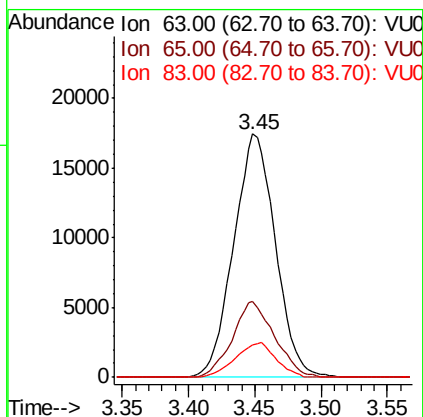
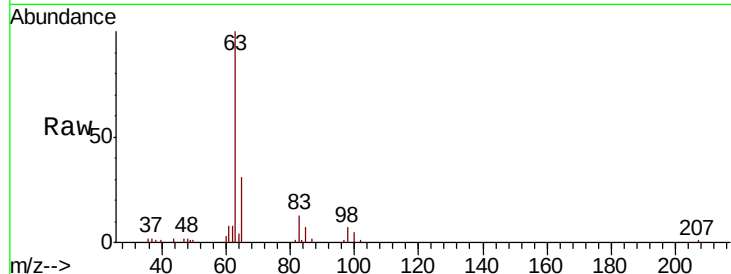




#19
 1,1-Dichloroethane
 Concen: 11.019 ug/L
 RT: 3.45 min Scan# 889
 Delta R.T. -0.00 min
 Lab File: VU025979.D
 Acq: 08 Aug 2018 19:41

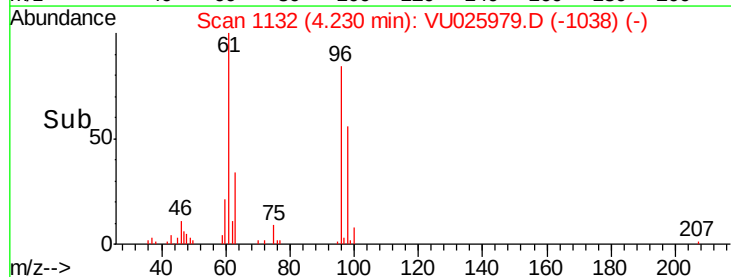
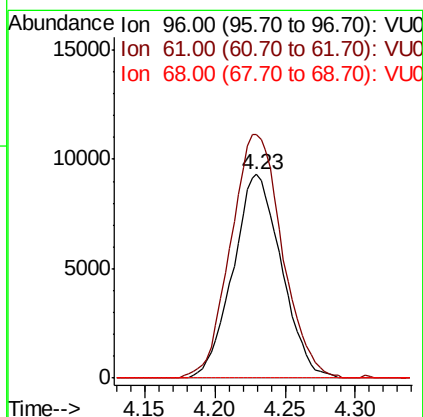
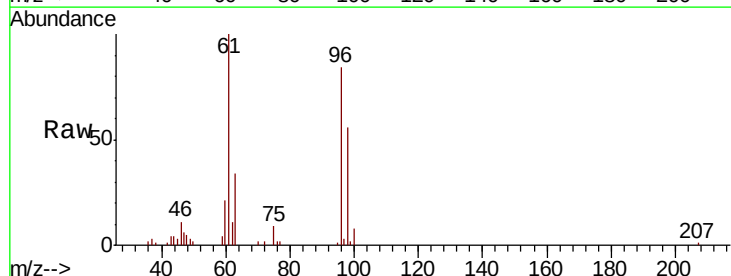
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD01043

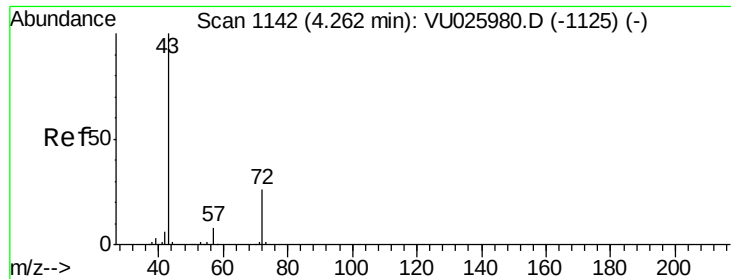
Tgt Ion: 63 Resp: 38217
 Ion Ratio Lower Upper
 63 100
 65 31.1 22.4 41.6
 83 13.4 10.1 18.9



#20
 cis-1,2-Dichloroethene
 Concen: 10.549 ug/L
 RT: 4.23 min Scan# 1132
 Delta R.T. 0.00 min
 Lab File: VU025979.D
 Acq: 08 Aug 2018 19:41

Tgt Ion: 96 Resp: 22393
 Ion Ratio Lower Upper
 96 100
 61 119.4 90.7 168.5
 68 0.0 0.0 0.0





#22

2-Butanone

Concen: 19.818 ug/L

RT: 4.27 min Scan# 1144

Delta R.T. 0.01 min

Lab File: VU025979.D

Acq: 08 Aug 2018 19:41

Instrument :

MSVOA_U

ClientSampleId :

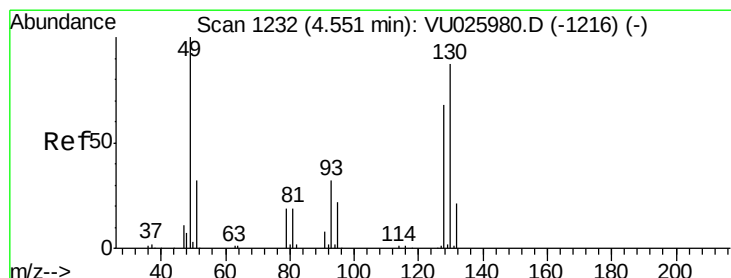
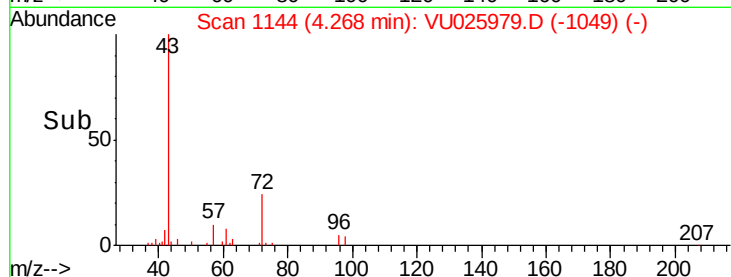
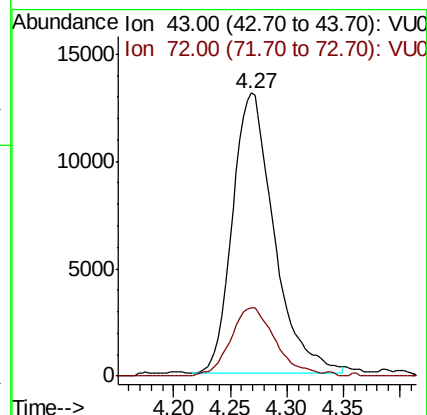
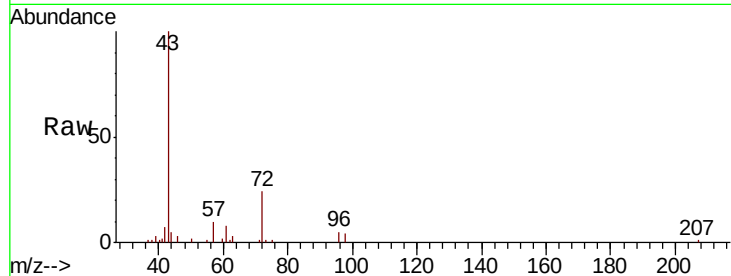
VSTD01043

Tgt Ion: 43 Resp: 33571

Ion Ratio Lower Upper

43 100

72 26.2 13.5 40.5



#23

Bromochloromethane

Concen: 10.656 ug/L

RT: 4.55 min Scan# 1232

Delta R.T. -0.00 min

Lab File: VU025979.D

Acq: 08 Aug 2018 19:41

Tgt Ion: 128 Resp: 11973

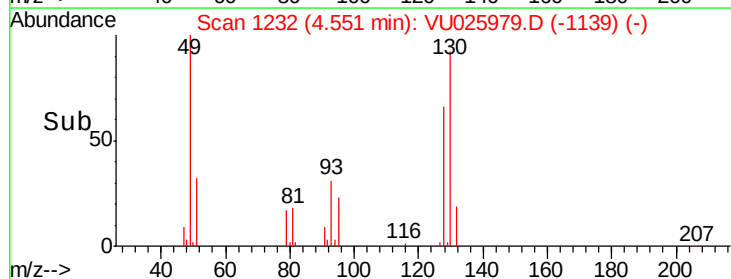
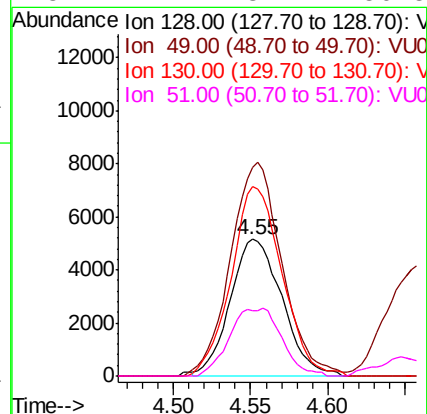
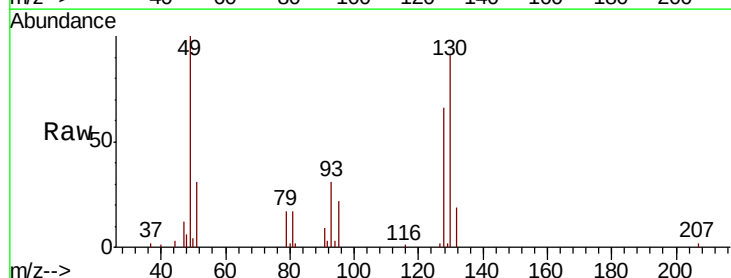
Ion Ratio Lower Upper

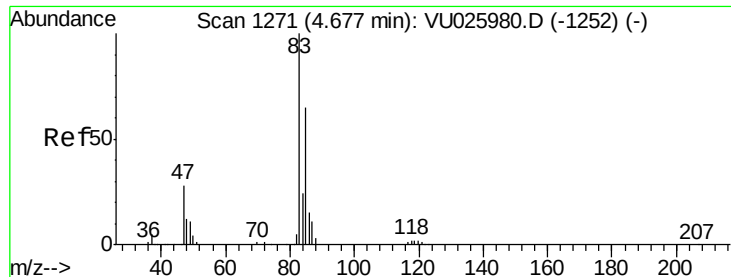
128 100

49 152.5 103.0 191.2

130 138.0 89.5 166.1

51 47.7 37.7 56.5





#25

Chloroform

Concen: 10.927 ug/L

RT: 4.68 min Scan# 1271

Delta R.T. -0.00 min

Lab File: VU025979.D

Acq: 08 Aug 2018 19:41

Instrument :

MSVOA_U

ClientSampleId :

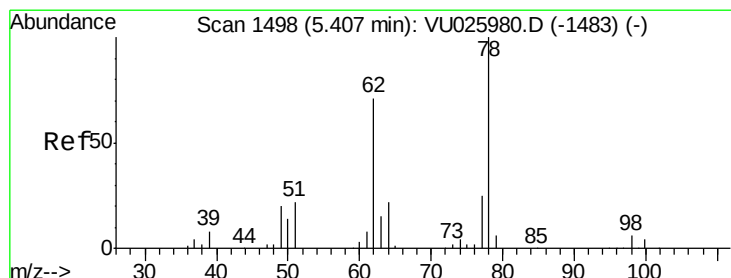
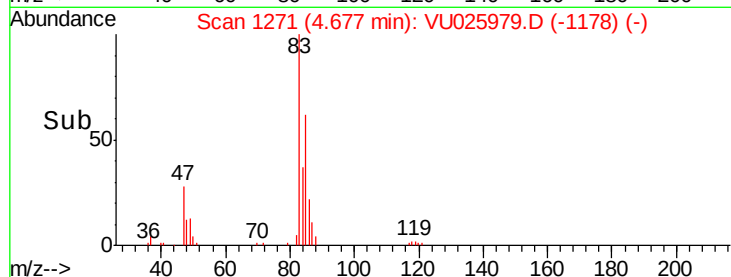
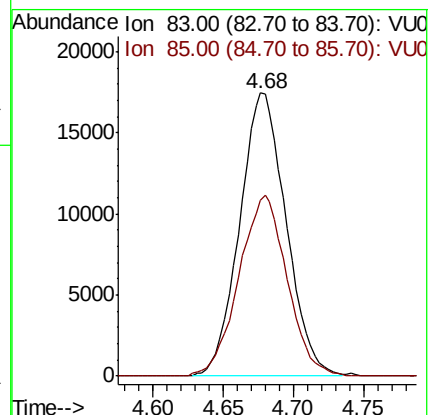
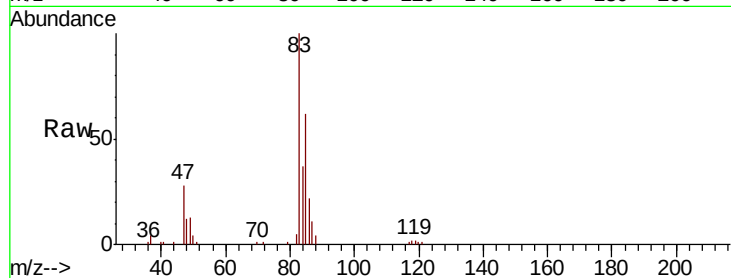
VSTD01043

Tgt Ion: 83 Resp: 40168

Ion Ratio Lower Upper

83 100

85 61.9 45.9 85.3



#27

1,2-Dichloroethane

Concen: 11.282 ug/L

RT: 5.41 min Scan# 1499

Delta R.T. 0.00 min

Lab File: VU025979.D

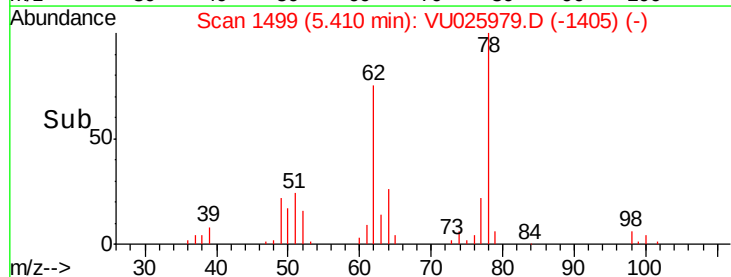
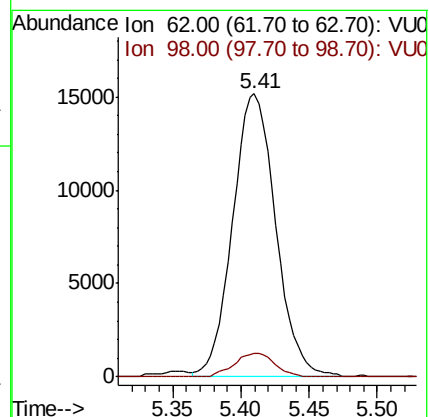
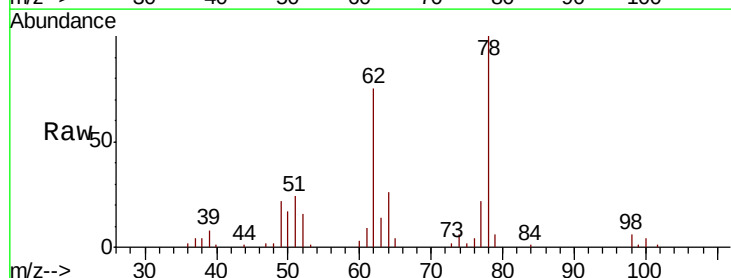
Acq: 08 Aug 2018 19:41

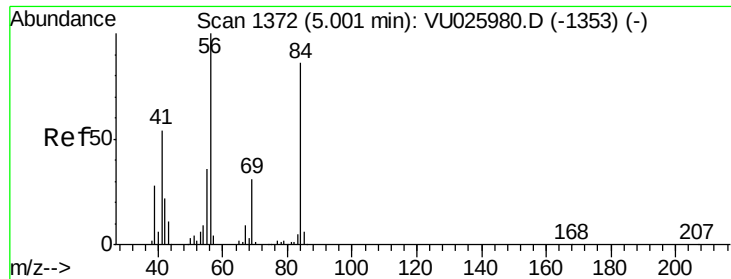
Tgt Ion: 62 Resp: 33319

Ion Ratio Lower Upper

62 100

98 8.2 7.0 10.4

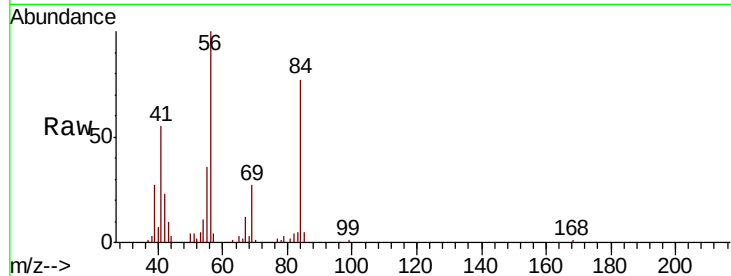




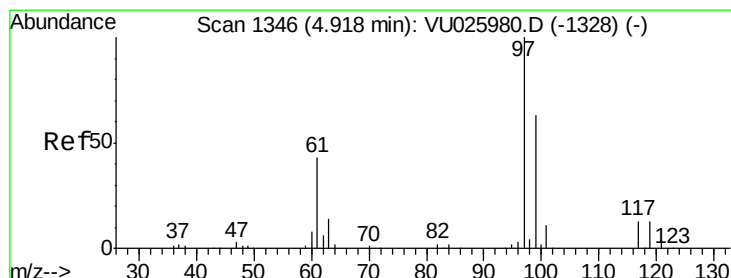
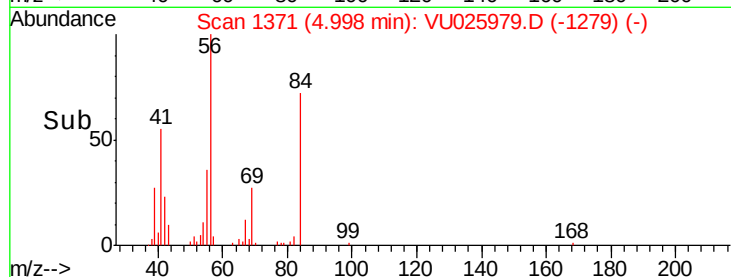
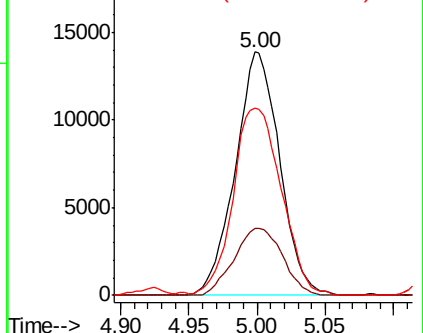
#29
Cyclohexane
Concen: 10.559 ug/L
RT: 5.00 min Scan# 1371
Delta R.T. -0.00 min
Lab File: VU025979.D
Acq: 08 Aug 2018 19:41

Instrument :
MSVOA_U
ClientSampleId :
VSTD01043

Tgt Ion: 56 Resp: 31359
Ion Ratio Lower Upper
56 100
69 30.0 24.6 37.0
84 83.5 68.6 103.0

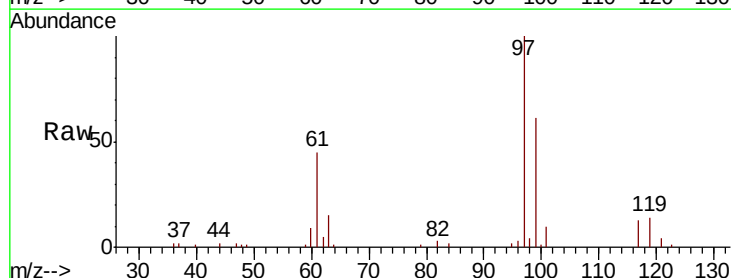


Abundance Ion 56.00 (55.70 to 56.70): VU0
Ion 69.00 (68.70 to 69.70): VU0
Ion 84.00 (83.70 to 84.70): VU0

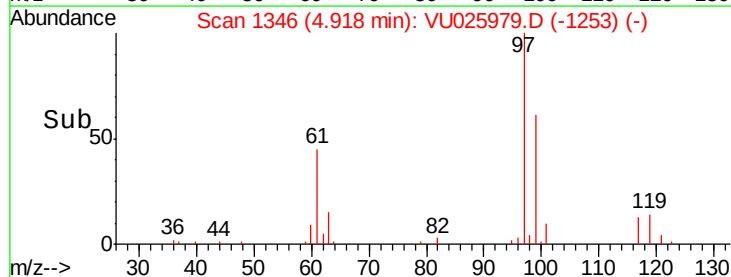
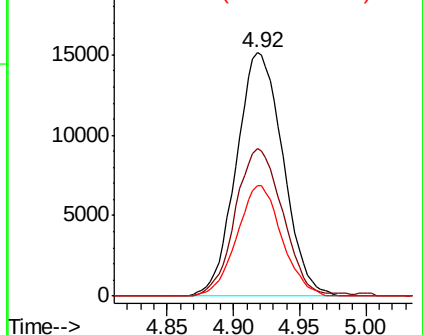


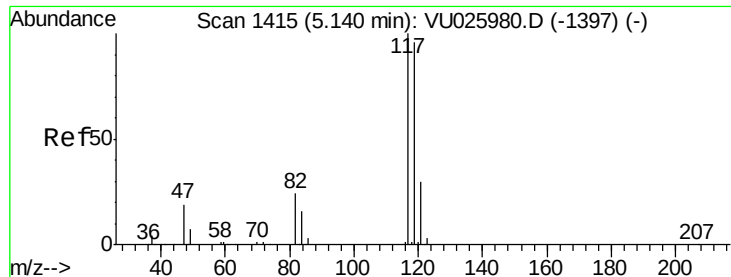
#30
1,1,1-Trichloroethane
Concen: 11.544 ug/L
RT: 4.92 min Scan# 1346
Delta R.T. -0.00 min
Lab File: VU025979.D
Acq: 08 Aug 2018 19:41

Tgt Ion: 97 Resp: 37186
Ion Ratio Lower Upper
97 100
99 61.2 51.8 77.6
61 43.5 34.7 52.1



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: 11.528 ug/L

RT: 5.14 min Scan# 1415

Delta R.T. -0.00 min

Lab File: VU025979.D

Acq: 08 Aug 2018 19:41

Instrument :

MSVOA_U

ClientSampleId :

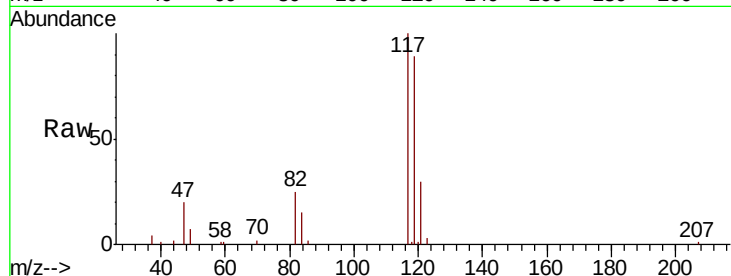
VSTD01043

Tgt Ion:117 Resp: 33370

Ion Ratio Lower Upper

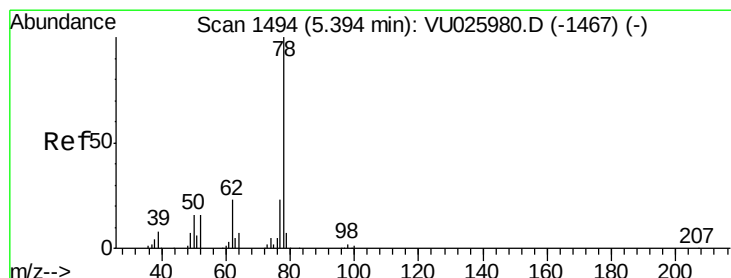
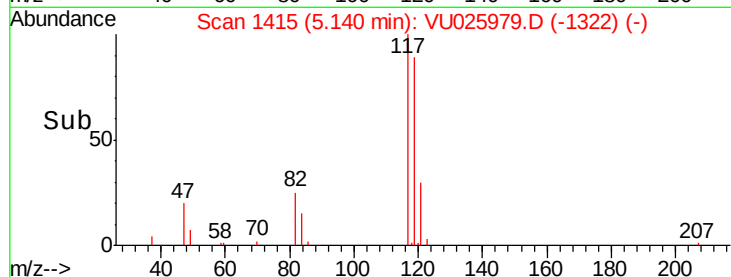
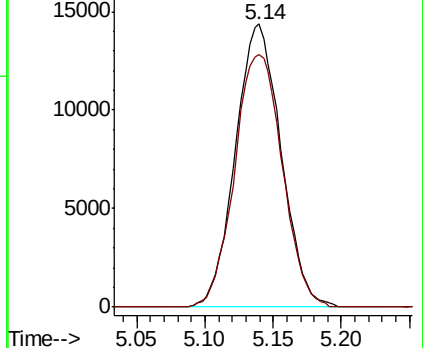
117 100

119 93.3 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: 11.308 ug/L

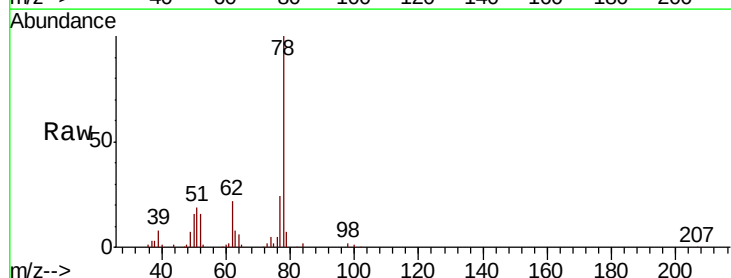
RT: 5.39 min Scan# 1494

Delta R.T. -0.00 min

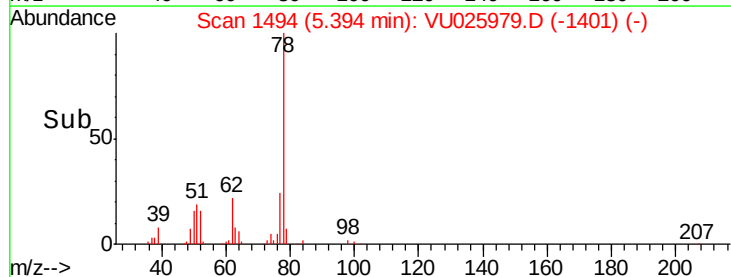
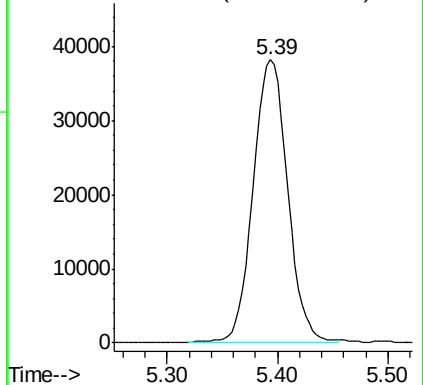
Lab File: VU025979.D

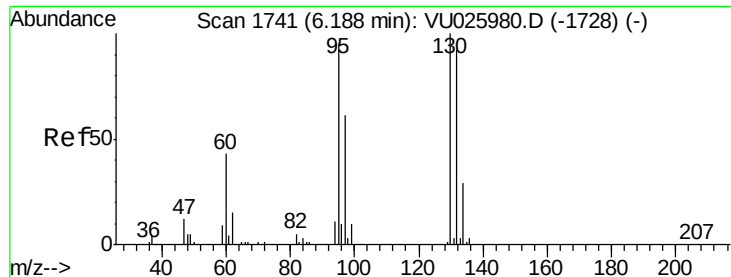
Acq: 08 Aug 2018 19:41

Tgt Ion: 78 Resp: 83484



Abundance Ion 78.00 (77.70 to 78.70): VU0





#34

Trichloroethene

Concen: 10.562 ug/L

RT: 6.19 min Scan# 1741

Delta R.T. -0.00 min

Lab File: VU025979.D

Acq: 08 Aug 2018 19:41

Instrument :

MSVOA_U

ClientSampleId :

VSTD01043

Tgt Ion: 95 Resp: 21493

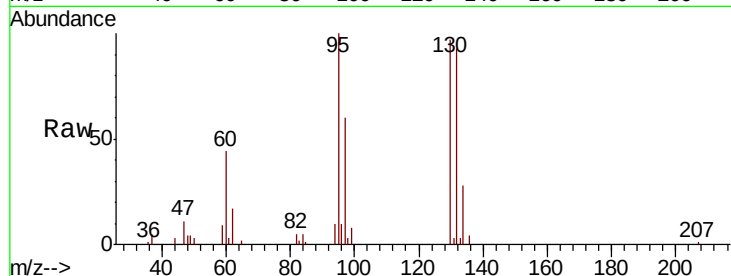
Ion Ratio Lower Upper

95 100

97 60.3 45.2 84.0

132 93.2 68.2 126.6

130 96.7 73.8 137.2



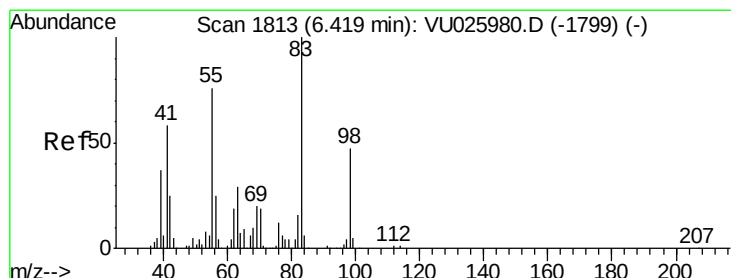
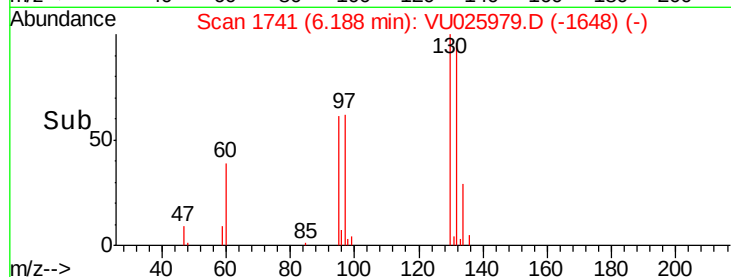
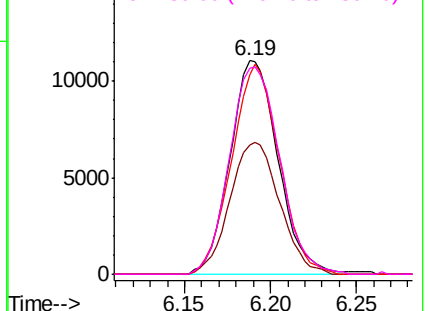
Abundance

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: 9.774 ug/L

RT: 6.42 min Scan# 1813

Delta R.T. -0.00 min

Lab File: VU025979.D

Acq: 08 Aug 2018 19:41

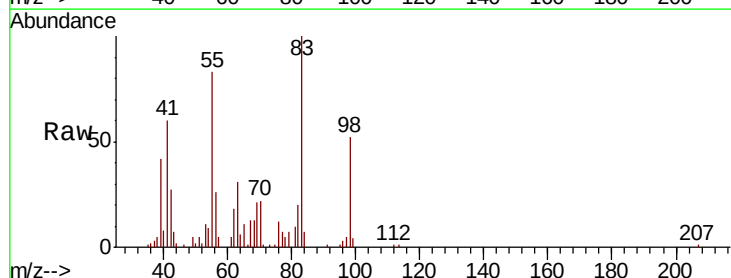
Tgt Ion: 83 Resp: 30193

Ion Ratio Lower Upper

83 100

55 81.6 61.0 91.6

98 48.6 38.1 57.1

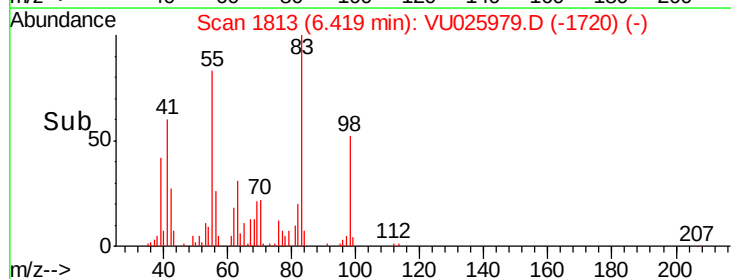
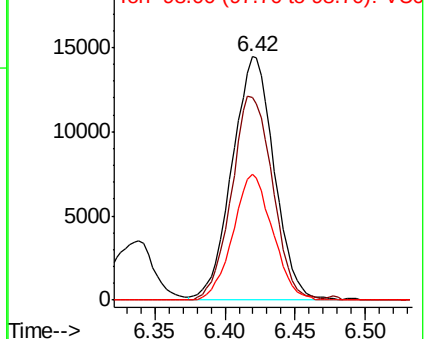


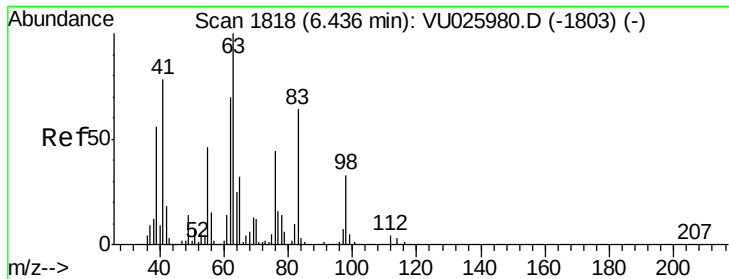
Abundance

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

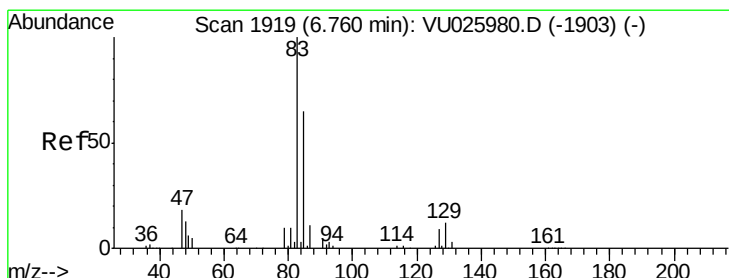
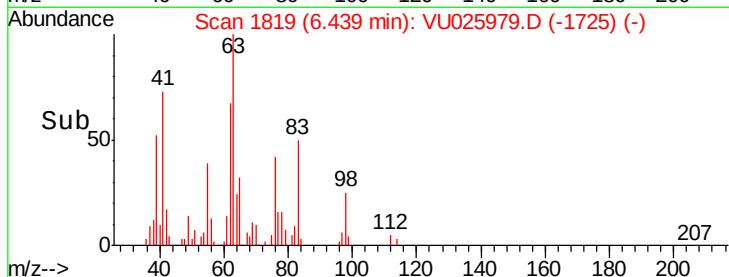
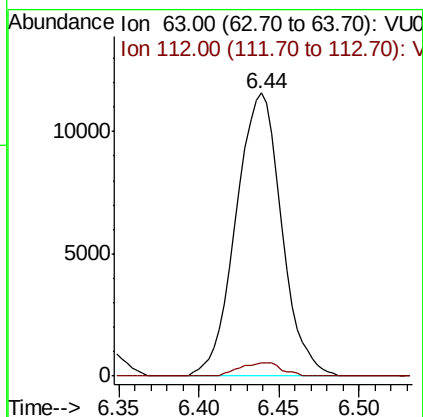
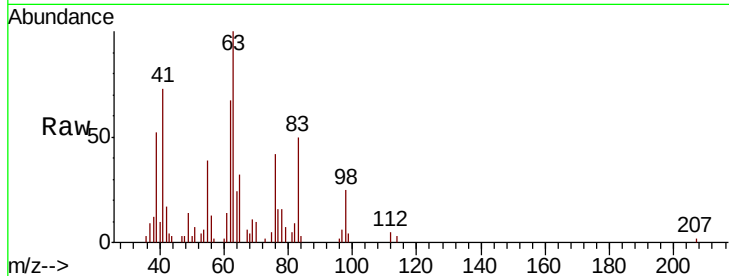




#37
 1,2-Dichloropropane
 Concen: 11.436 ug/L
 RT: 6.44 min Scan# 1819
 Delta R.T. 0.00 min
 Lab File: VU025979.D
 Acq: 08 Aug 2018 19:41

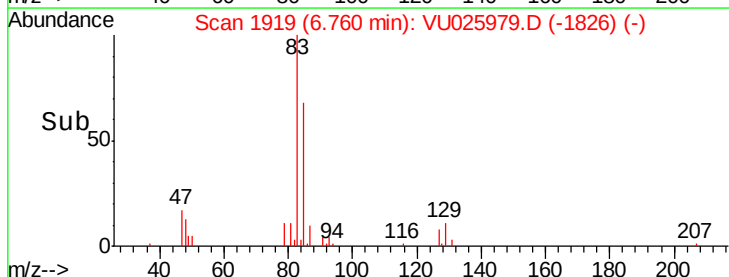
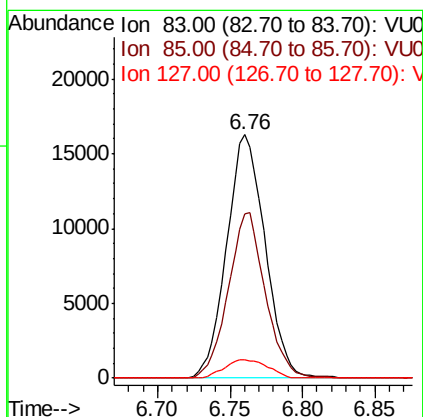
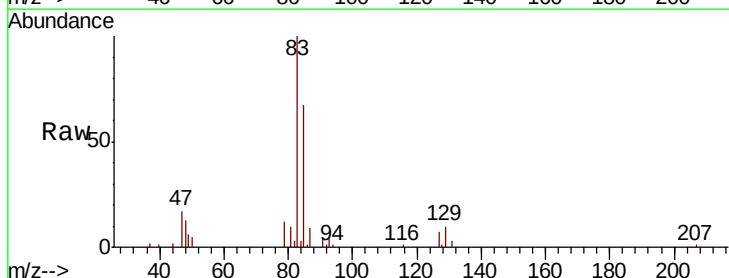
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD01043

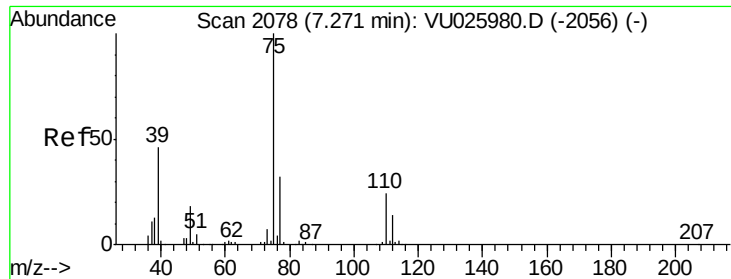
Tgt Ion: 63 Resp: 22604
 Ion Ratio Lower Upper
 63 100
 112 4.3 3.2 4.8



#38
 Bromodichloromethane
 Concen: 11.178 ug/L
 RT: 6.76 min Scan# 1919
 Delta R.T. -0.00 min
 Lab File: VU025979.D
 Acq: 08 Aug 2018 19:41

Tgt Ion: 83 Resp: 29955
 Ion Ratio Lower Upper
 83 100
 85 67.2 45.3 84.1
 127 7.5 7.4 11.2





#39

cis-1,3-Dichloropropene

Concen: 10.074 ug/L

RT: 7.27 min Scan# 2079

Delta R.T. 0.00 min

Lab File: VU025979.D

Acq: 08 Aug 2018 19:41

Instrument :

MSVOA_U

ClientSampleId :

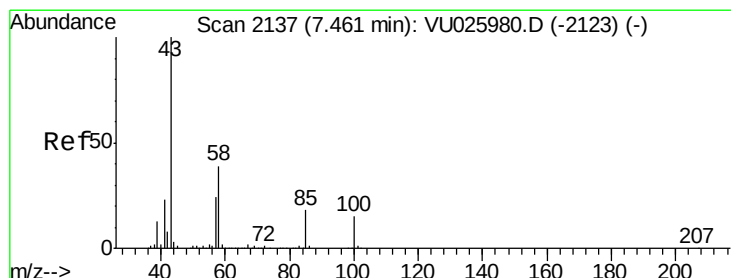
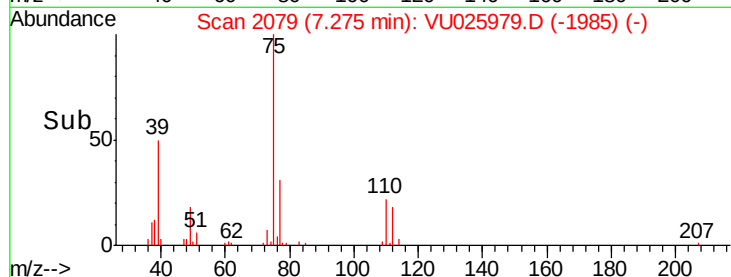
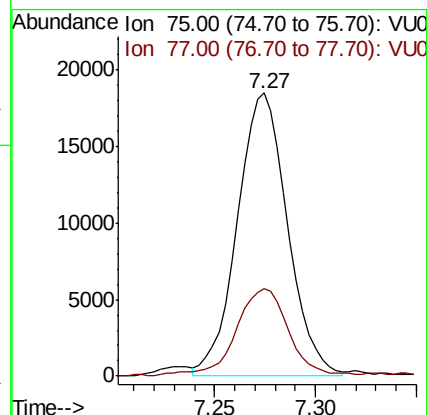
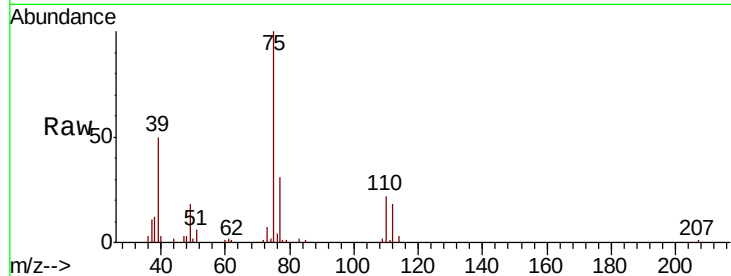
VSTD01043

Tgt Ion: 75 Resp: 32246

Ion Ratio Lower Upper

75 100

77 30.9 22.1 41.1



#40

4-Methyl-2-pentanone

Concen: 21.997 ug/L

RT: 7.46 min Scan# 2138

Delta R.T. 0.00 min

Lab File: VU025979.D

Acq: 08 Aug 2018 19:41

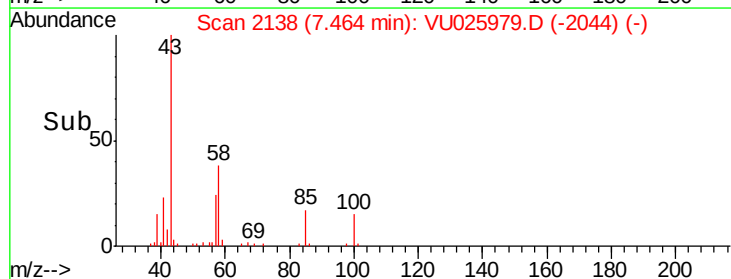
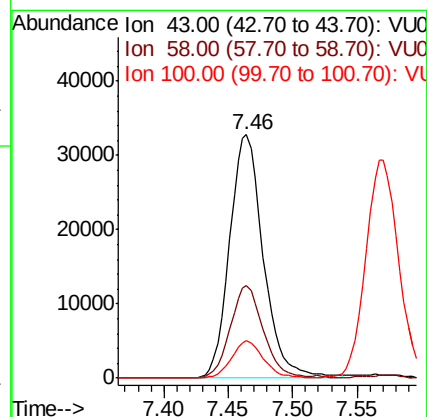
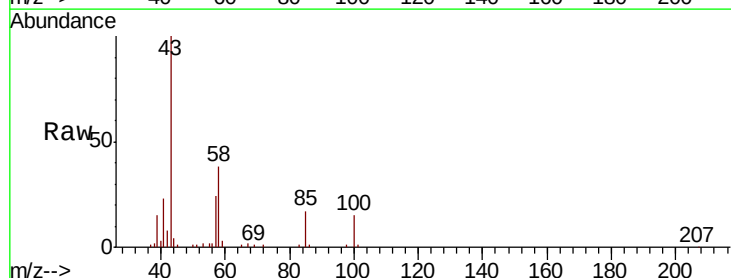
Tgt Ion: 43 Resp: 59585

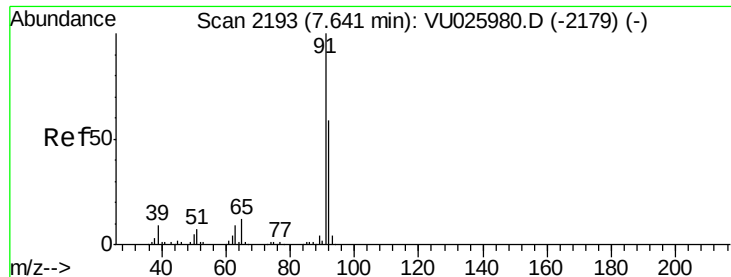
Ion Ratio Lower Upper

43 100

58 37.1 30.6 46.0

100 14.5 11.8 17.6





#42

Toluene

Concen: 10.436 ug/L

RT: 7.64 min Scan# 2193

Delta R.T. -0.00 min

Lab File: VU025979.D

Acq: 08 Aug 2018 19:41

Instrument :

MSVOA_U

ClientSampleId :

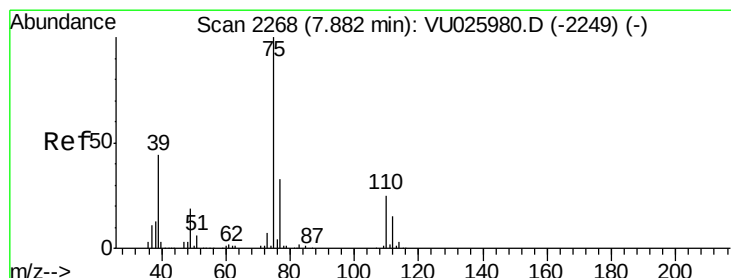
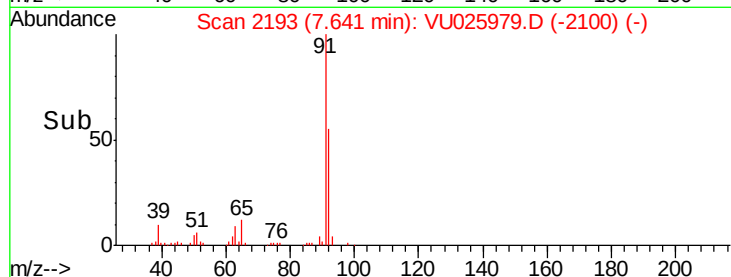
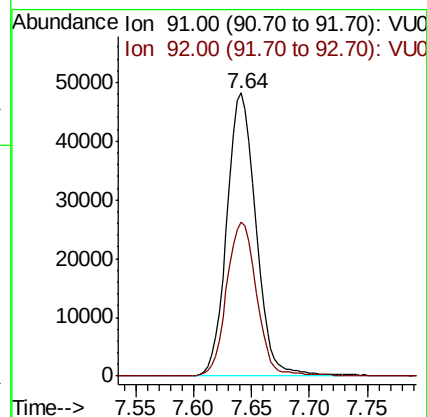
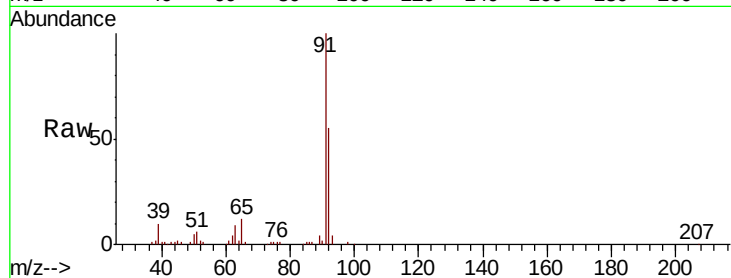
VSTD01043

Tgt Ion: 91 Resp: 83889

Ion Ratio Lower Upper

91 100

92 54.5 41.0 76.2



#44

trans-1,3-Dichloropropene

Concen: 10.023 ug/L

RT: 7.89 min Scan# 2269

Delta R.T. 0.00 min

Lab File: VU025979.D

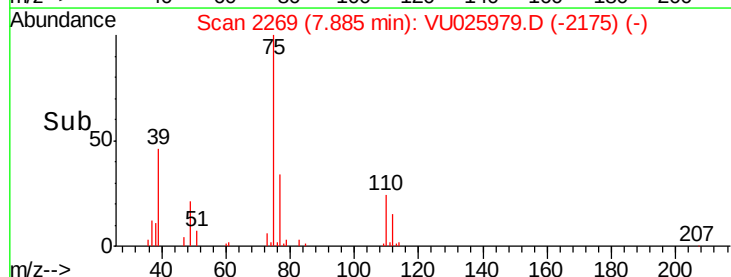
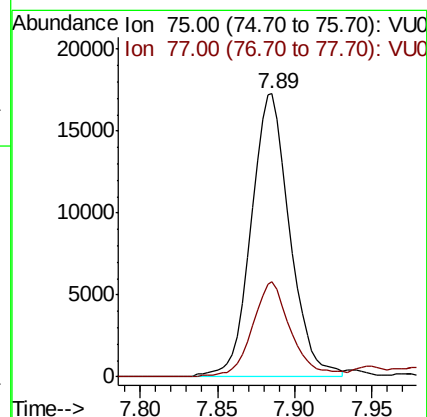
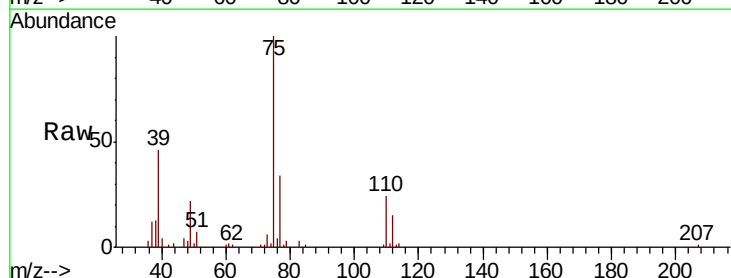
Acq: 08 Aug 2018 19:41

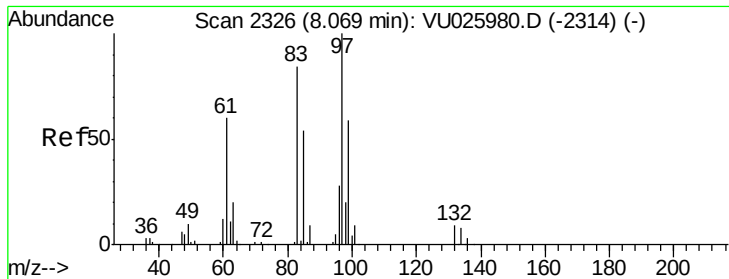
Tgt Ion: 75 Resp: 30126

Ion Ratio Lower Upper

75 100

77 33.8 23.0 42.6





#45

1,1,2-Trichloroethane

Concen: 11.208 ug/L

RT: 8.07 min Scan# 2327

Delta R.T. 0.00 min

Lab File: VU025979.D

Acq: 08 Aug 2018 19:41

Instrument :

MSVOA_U

ClientSampleId :

VSTD01043

Tgt Ion: 97 Resp: 21282

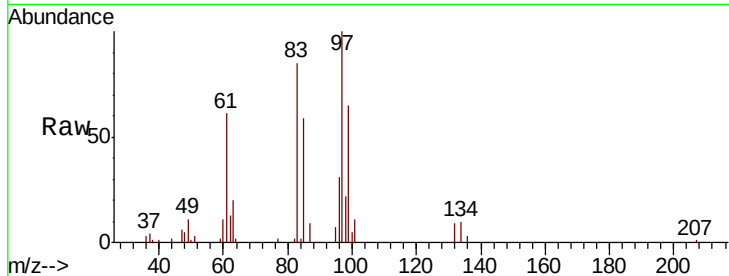
Ion Ratio Lower Upper

97 100

99 65.1 41.6 77.2

83 84.5 59.0 109.6

85 59.4 37.9 70.5

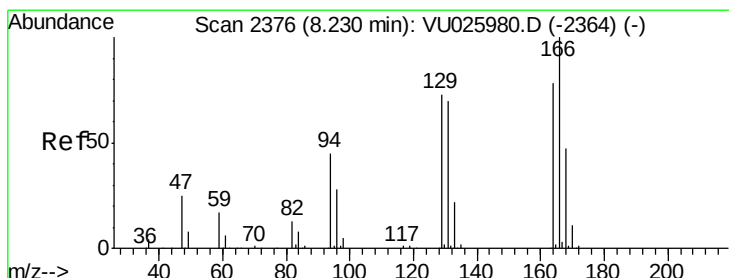
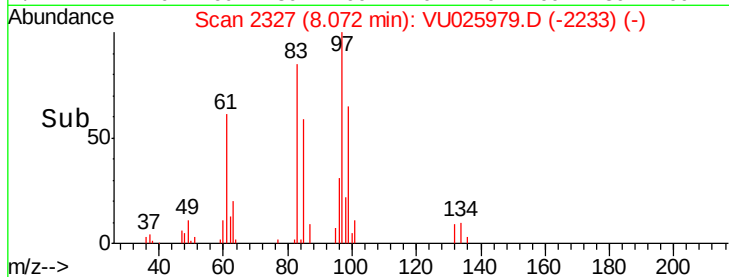
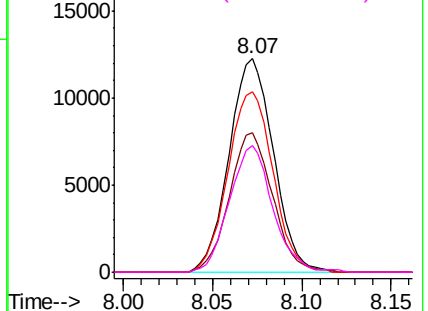


Abundance Ion 97.00 (96.70 to 97.70): VU0

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: 10.421 ug/L

RT: 8.23 min Scan# 2377

Delta R.T. 0.00 min

Lab File: VU025979.D

Acq: 08 Aug 2018 19:41

Tgt Ion: 164 Resp: 18136

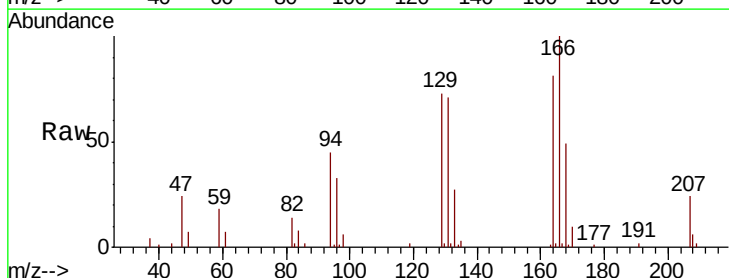
Ion Ratio Lower Upper

164 100

129 89.9 64.8 120.3

131 88.1 62.8 116.6

166 123.7 89.0 165.4

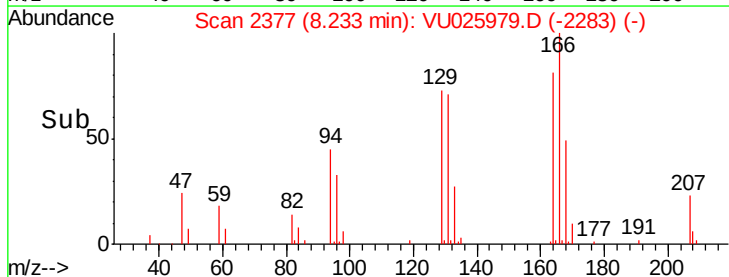
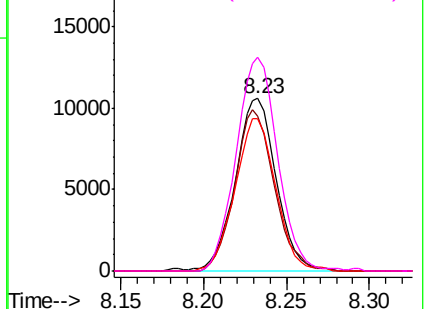


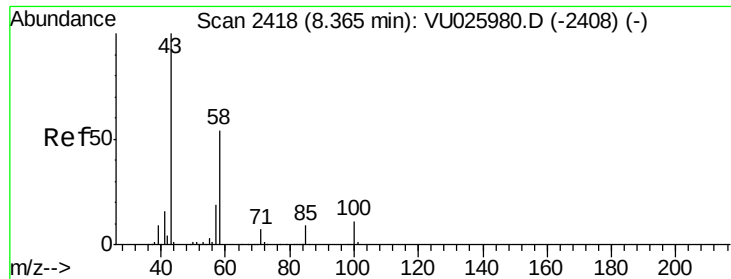
Abundance Ion 164.00 (163.70 to 164.70): V

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

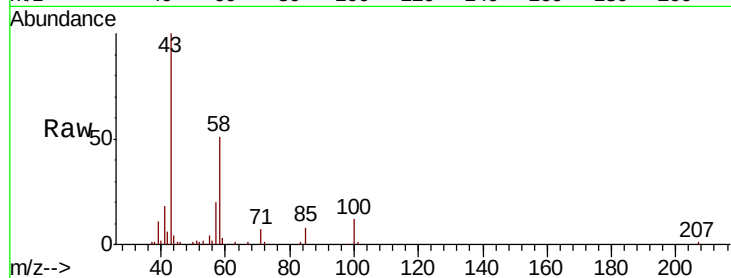




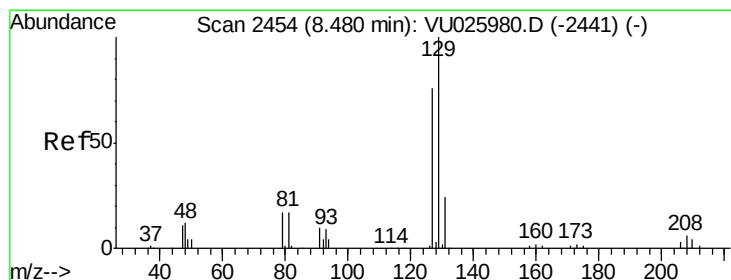
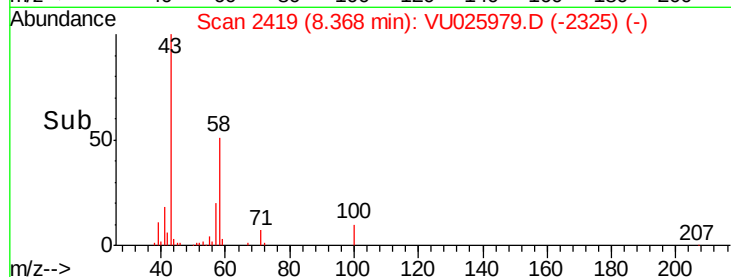
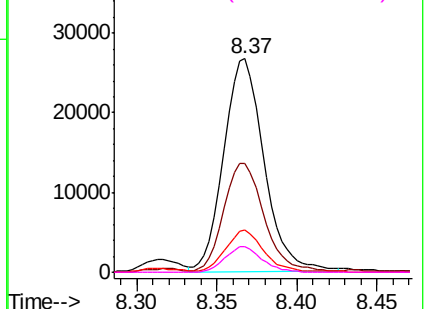
#48
2-Hexanone
Concen: 21.296 ug/L
RT: 8.37 min Scan# 2419
Delta R.T. 0.00 min
Lab File: VU025979.D
Acq: 08 Aug 2018 19:41

Instrument :
MSVOA_U
ClientSampleId :
VSTD01043

Tgt Ion:	43	Resp:	46167
Ion	Ratio	Lower	Upper
43	100		
58	50.6	43.6	65.4
57	18.1	15.1	22.7
100	11.0	9.3	13.9

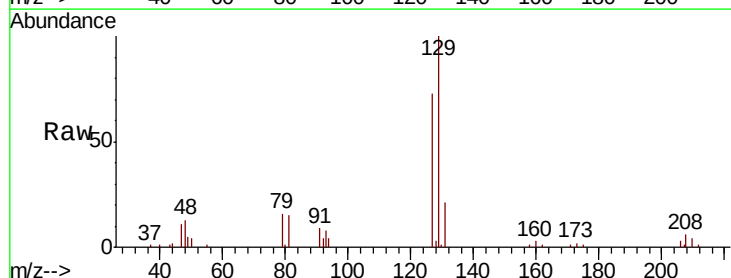


Abundance Ion 43.00 (42.70 to 43.70): VU025979.D (-2325) (-)
Ion 58.00 (57.70 to 58.70): VU025979.D (-2325) (-)
Ion 57.00 (56.70 to 57.70): VU025979.D (-2325) (-)
Ion 100.00 (99.70 to 100.70): VU025979.D (-2325) (-)

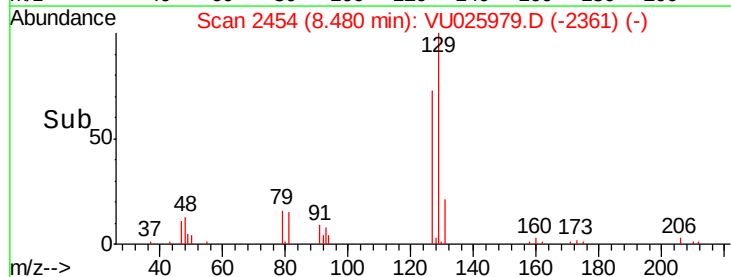
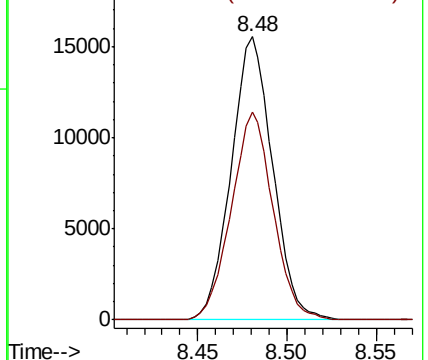


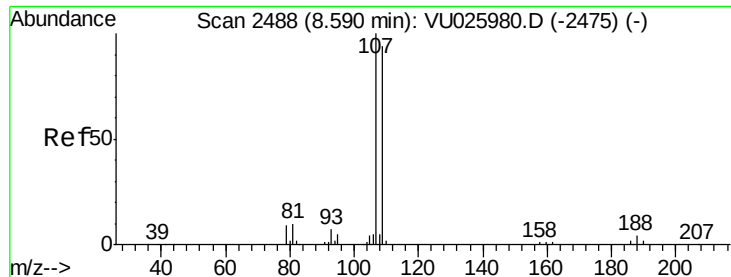
#49
Dibromochloromethane
Concen: 10.858 ug/L
RT: 8.48 min Scan# 2454
Delta R.T. -0.00 min
Lab File: VU025979.D
Acq: 08 Aug 2018 19:41

Tgt Ion:	129	Resp:	25146
Ion	Ratio	Lower	Upper
129	100		
127	73.3	53.5	99.3



Abundance Ion 129.00 (128.70 to 129.70): VU025979.D (-2361) (-)
Ion 127.00 (126.70 to 127.70): VU025979.D (-2361) (-)

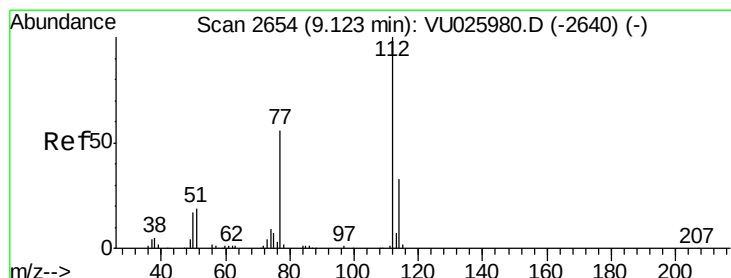
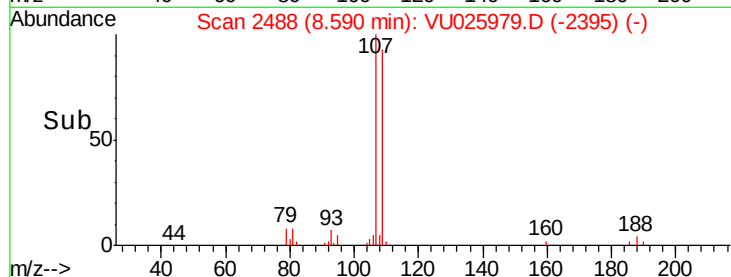
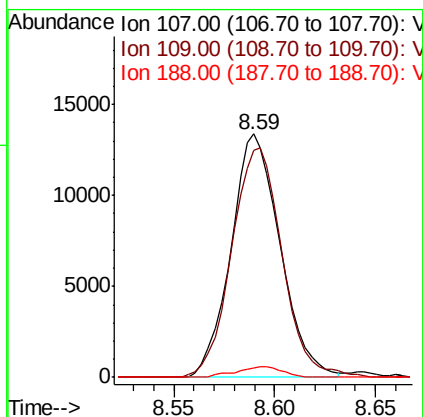
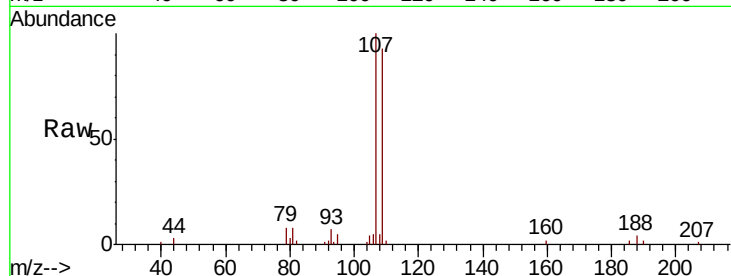




#50
 1,2-Dibromoethane
 Concen: 10.861 ug/L
 RT: 8.59 min Scan# 2488
 Delta R.T. -0.00 min
 Lab File: VU025979.D
 Acq: 08 Aug 2018 19:41

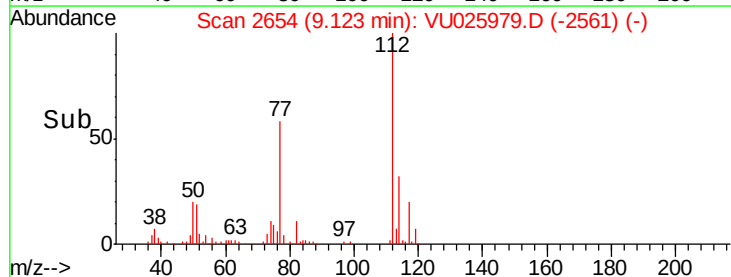
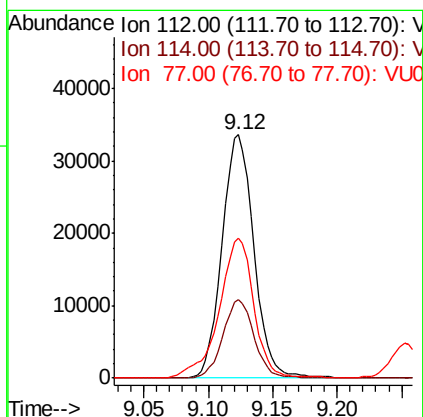
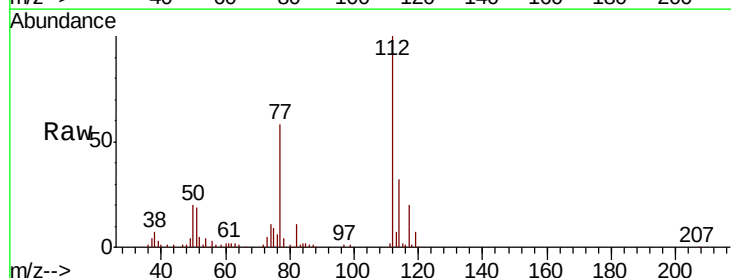
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD01043

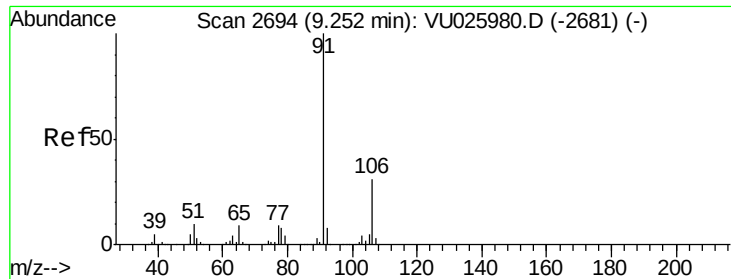
Tgt Ion:107 Resp: 22861
 Ion Ratio Lower Upper
 107 100
 109 93.1 66.1 122.7
 188 4.1 2.9 4.3



#51
 Chlorobenzene
 Concen: 10.543 ug/L
 RT: 9.12 min Scan# 2654
 Delta R.T. -0.00 min
 Lab File: VU025979.D
 Acq: 08 Aug 2018 19:41

Tgt Ion:112 Resp: 57780
 Ion Ratio Lower Upper
 112 100
 114 32.1 22.7 42.3
 77 57.7 45.2 67.8





#52

Ethylbenzene

Concen: 9.805 ug/L

RT: 9.25 min Scan# 2694

Delta R.T. -0.00 min

Lab File: VU025979.D

Acq: 08 Aug 2018 19:41

Instrument :

MSVOA_U

ClientSampleId :

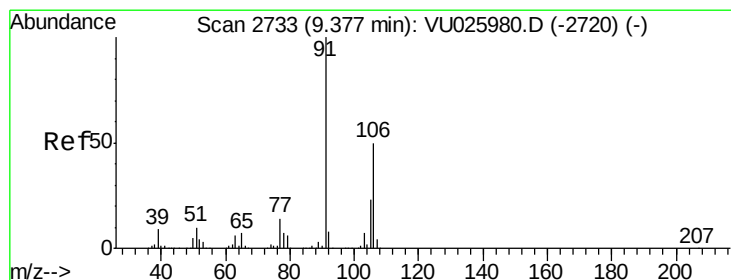
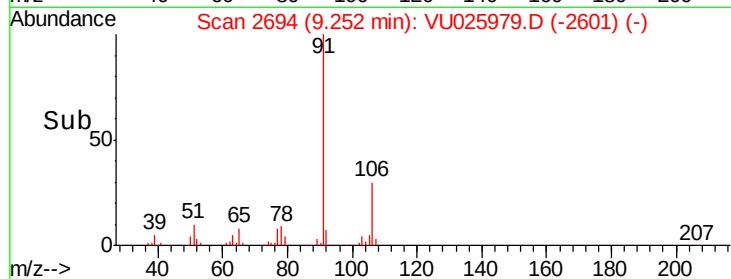
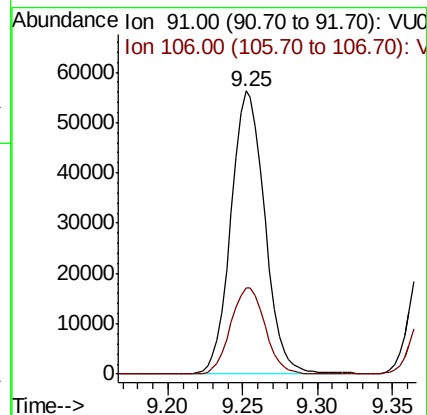
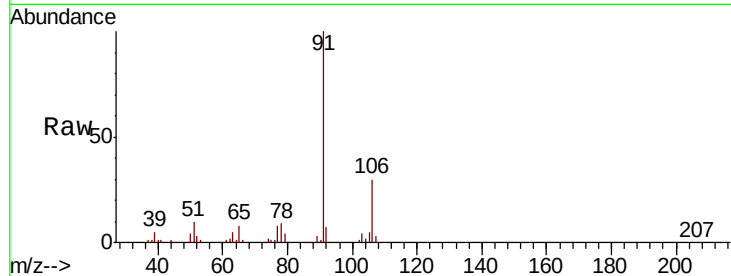
VSTD01043

Tgt Ion: 91 Resp: 88878

Ion Ratio Lower Upper

91 100

106 30.4 22.0 41.0



#53

m,p-Xylene

Concen: 9.568 ug/L

RT: 9.38 min Scan# 2733

Delta R.T. -0.00 min

Lab File: VU025979.D

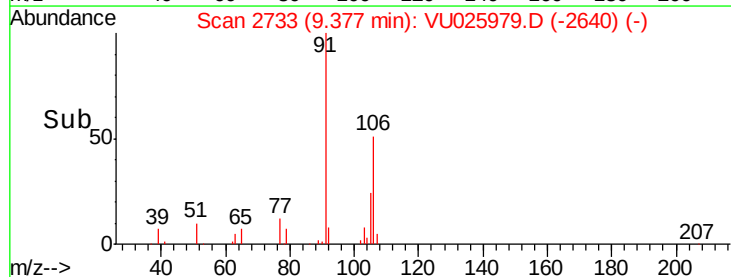
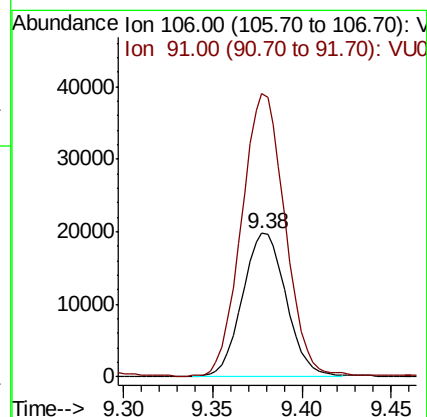
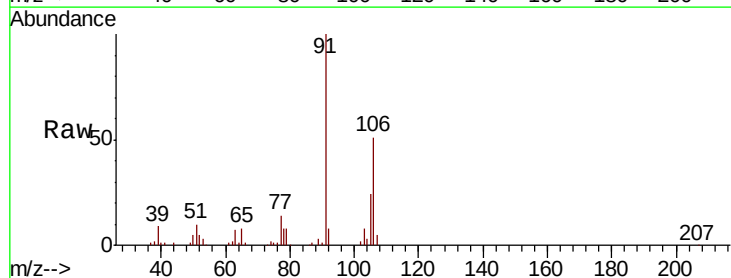
Acq: 08 Aug 2018 19:41

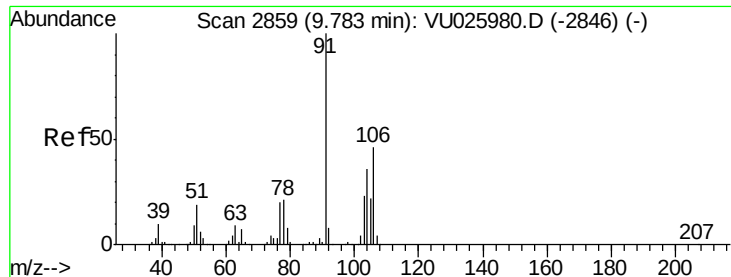
Tgt Ion: 106 Resp: 34054

Ion Ratio Lower Upper

106 100

91 197.1 141.3 262.5





#54

o-xylene

Concen: 9.718 ug/L

RT: 9.78 min Scan# 2859

Delta R.T. -0.00 min

Lab File: VU025979.D

Acq: 08 Aug 2018 19:41

Instrument :

MSVOA_U

ClientSampleId :

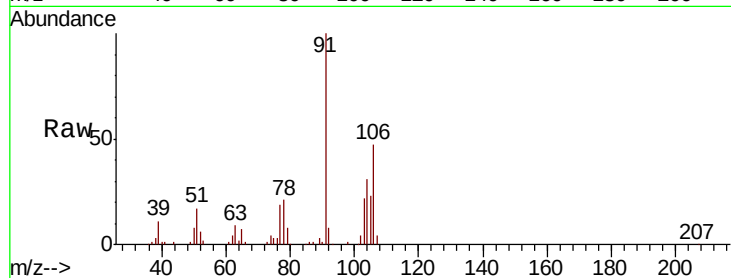
VSTD01043

Tgt Ion:106 Resp: 33010

Ion Ratio Lower Upper

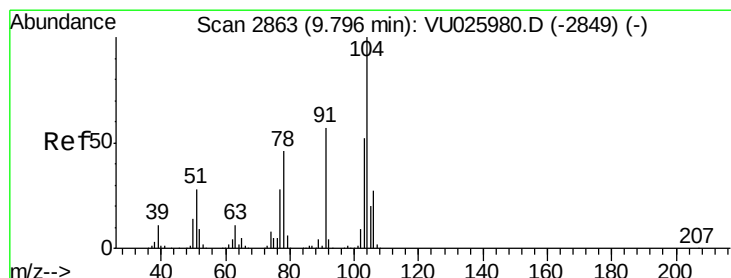
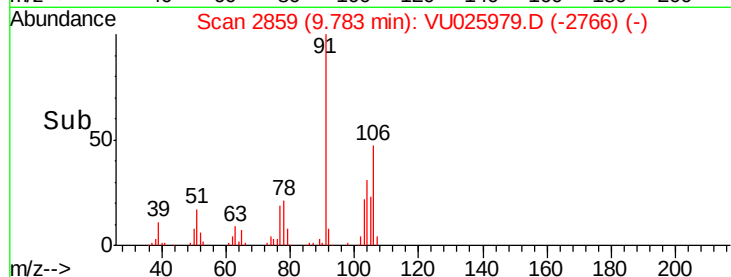
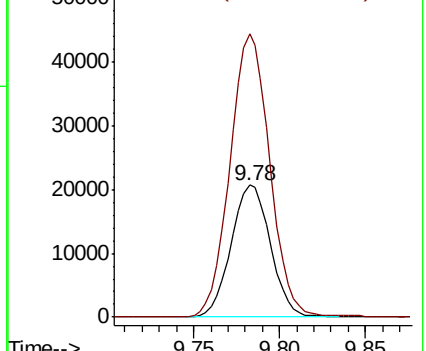
106 100

91 214.4 151.2 280.8



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0



#55

Styrene

Concen: 9.382 ug/L

RT: 9.80 min Scan# 2863

Delta R.T. -0.00 min

Lab File: VU025979.D

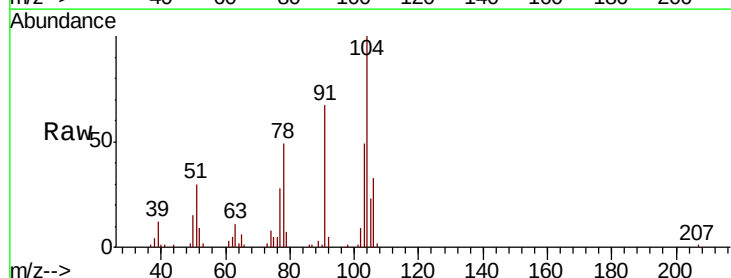
Acq: 08 Aug 2018 19:41

Tgt Ion:104 Resp: 53588

Ion Ratio Lower Upper

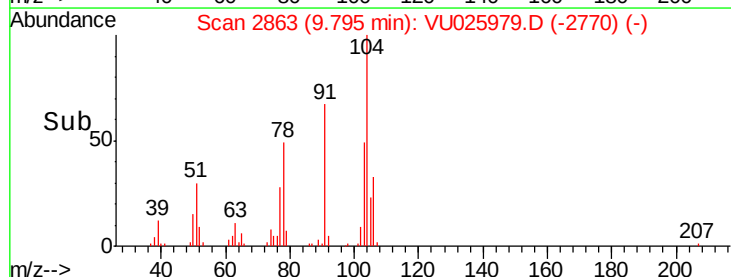
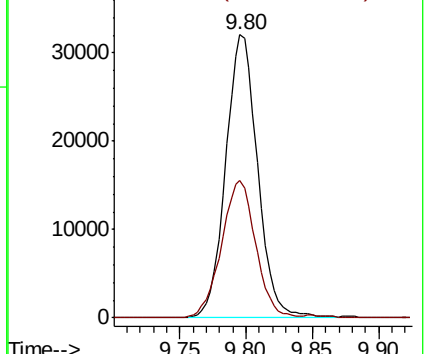
104 100

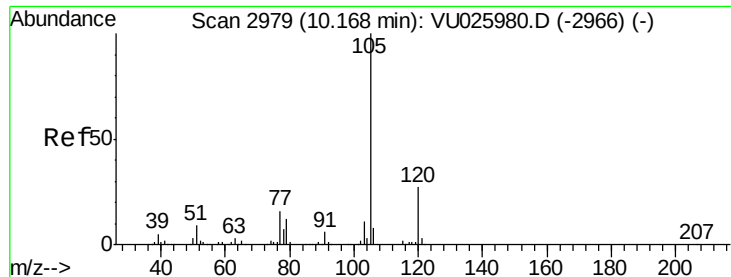
78 48.7 32.1 59.5



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VU0





#56

Isopropylbenzene

Concen: 9.212 ug/L

RT: 10.17 min Scan# 2979

Delta R.T. -0.00 min

Lab File: VU025979.D

Acq: 08 Aug 2018 19:41

Instrument :

MSVOA_U

ClientSampleId :

VSTD01043

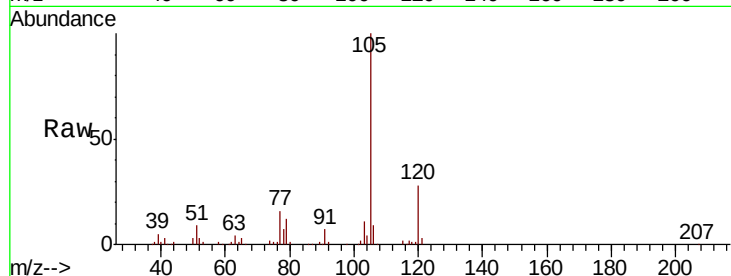
Tgt Ion: 105 Resp: 83031

Ion Ratio Lower Upper

105 100

120 27.7 21.7 32.5

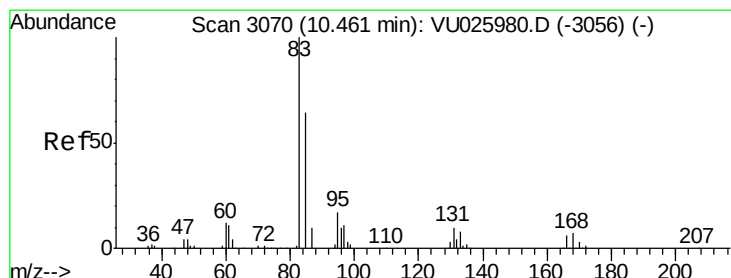
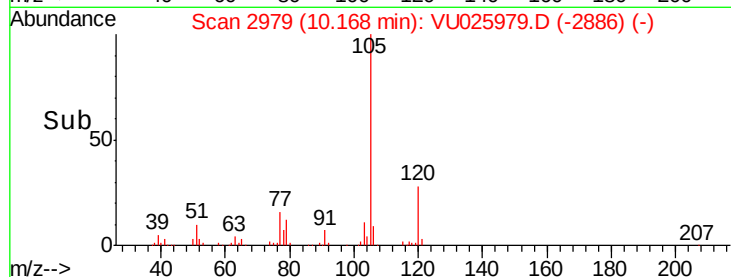
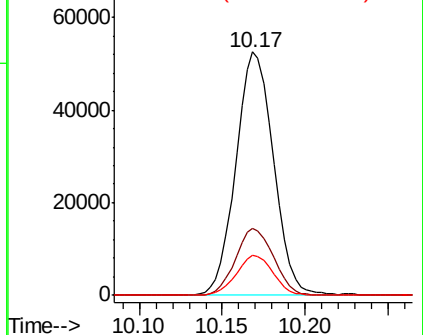
77 16.0 12.6 18.8



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: 10.952 ug/L

RT: 10.46 min Scan# 3070

Delta R.T. -0.00 min

Lab File: VU025979.D

Acq: 08 Aug 2018 19:41

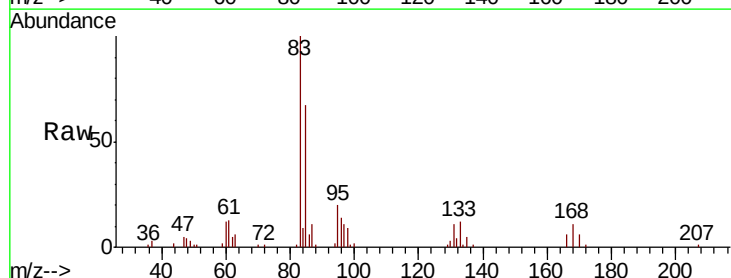
Tgt Ion: 83 Resp: 35019

Ion Ratio Lower Upper

83 100

85 67.3 45.0 83.6

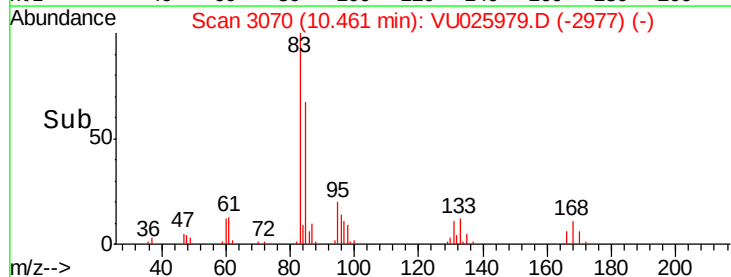
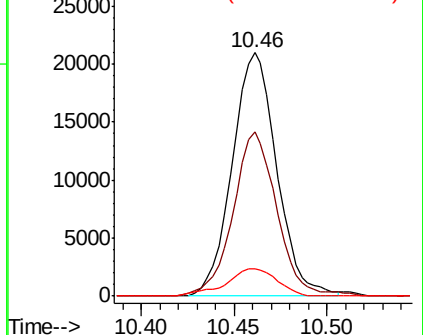
131 11.4 8.6 12.8

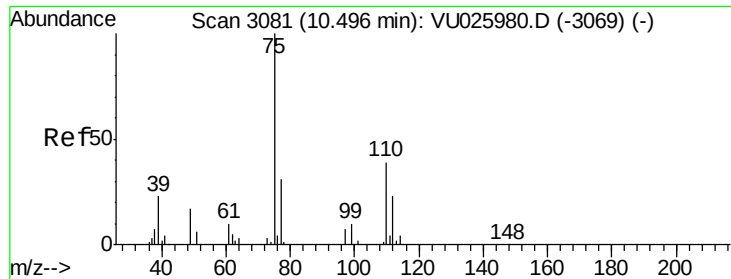


Abundance Ion 83.00 (82.70 to 83.70): V

Ion 85.00 (84.70 to 85.70): V

Ion 131.00 (130.70 to 131.70): V

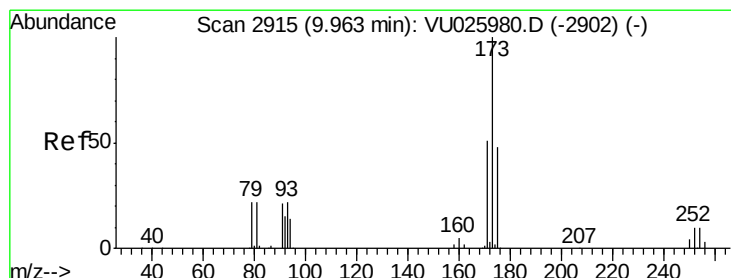
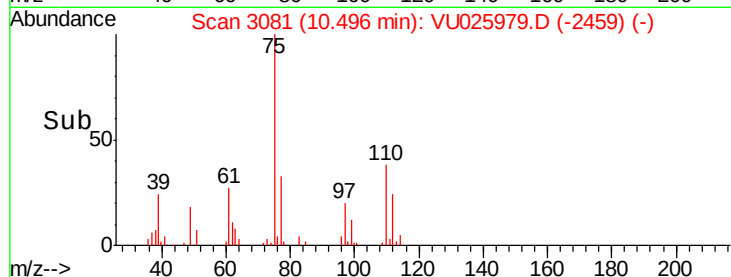
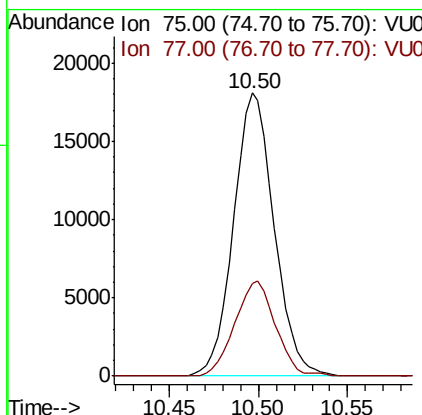
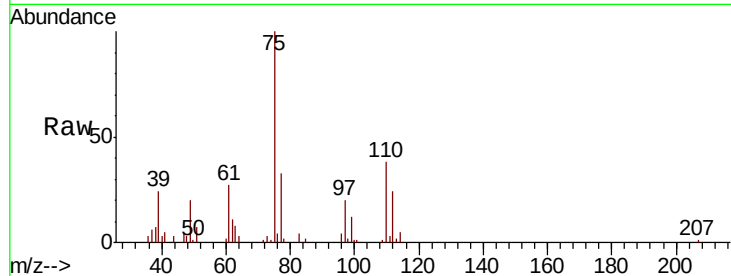




#59
 1,2,3-Trichloropropane
 Concen: 11.384 ug/L
 RT: 10.50 min Scan# 3081
 Delta R.T. -0.00 min
 Lab File: VU025979.D
 Acq: 08 Aug 2018 19:41

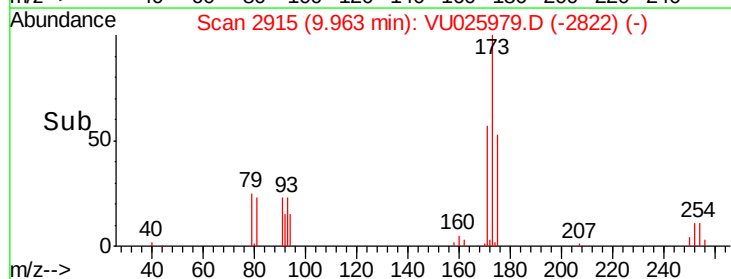
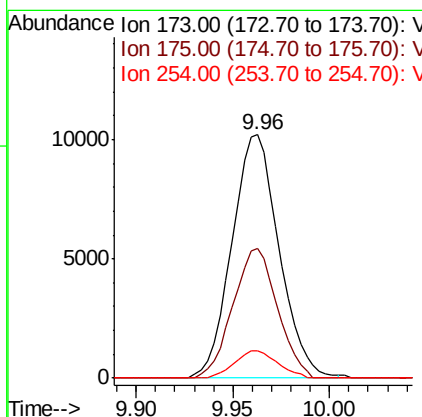
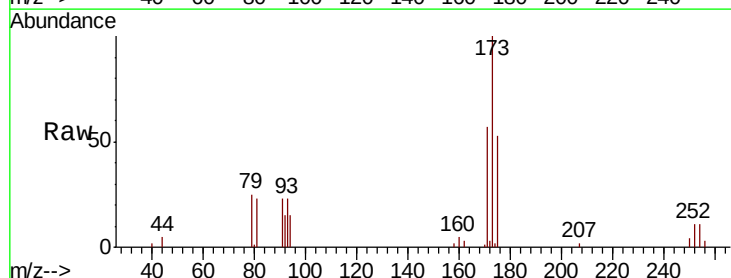
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD01043

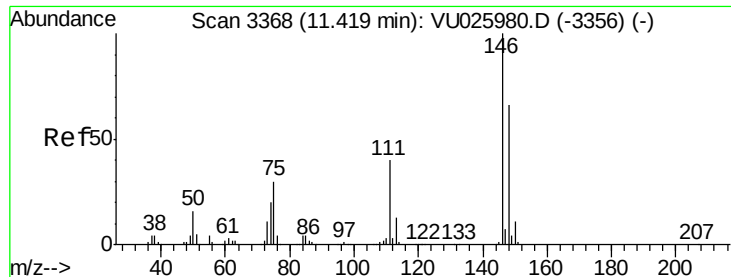
Tgt Ion: 75 Resp: 28707
 Ion Ratio Lower Upper
 75 100
 77 33.6 25.3 37.9



#61
 Bromoform
 Concen: 11.735 ug/L
 RT: 9.96 min Scan# 2915
 Delta R.T. -0.00 min
 Lab File: VU025979.D
 Acq: 08 Aug 2018 19:41

Tgt Ion: 173 Resp: 17313
 Ion Ratio Lower Upper
 173 100
 175 50.2 38.9 58.3
 254 10.2 7.4 11.0





#62

1,3-Dichlorobenzene

Concen: 10.463 ug/L

RT: 11.42 min Scan# 3368

Delta R.T. -0.00 min

Lab File: VU025979.D

Acq: 08 Aug 2018 19:41

Instrument :

MSVOA_U

ClientSampleId :

VSTD01043

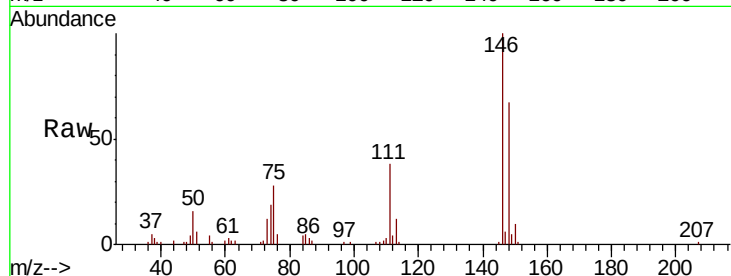
Tgt Ion:146 Resp: 39477

Ion Ratio Lower Upper

146 100

111 37.9 27.9 51.9

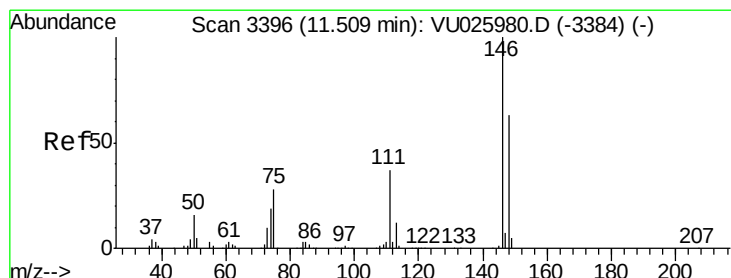
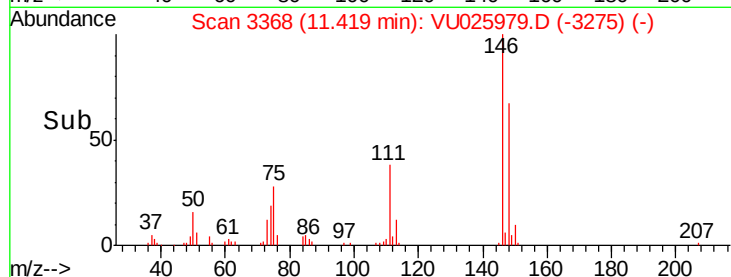
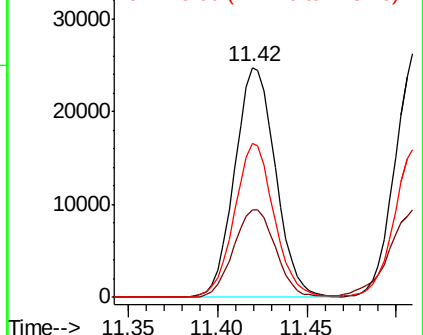
148 66.8 46.0 85.4



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: 10.976 ug/L

RT: 11.51 min Scan# 3396

Delta R.T. -0.00 min

Lab File: VU025979.D

Acq: 08 Aug 2018 19:41

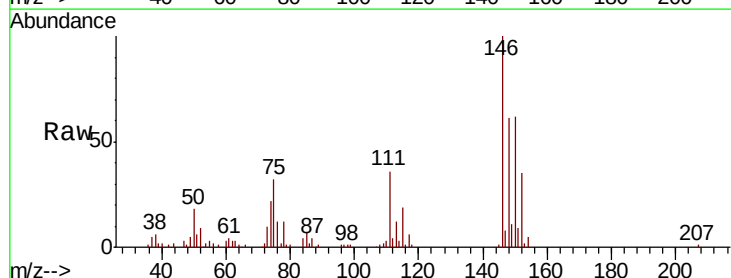
Tgt Ion:146 Resp: 42415

Ion Ratio Lower Upper

146 100

111 35.8 26.4 49.0

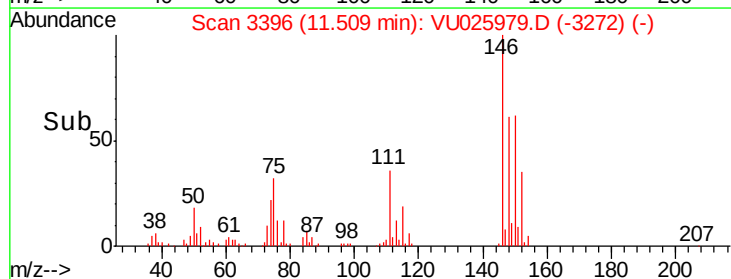
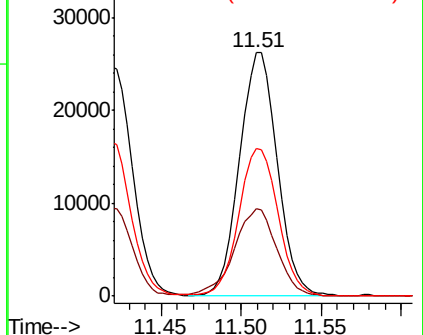
148 60.7 43.8 81.4

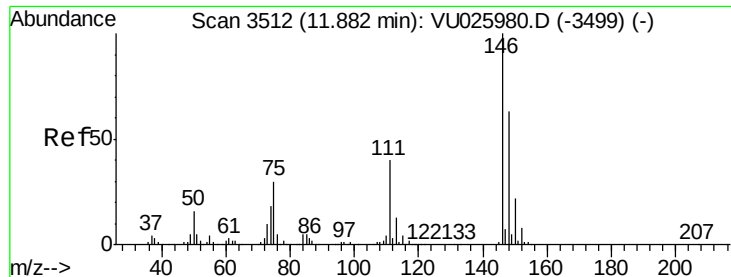


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

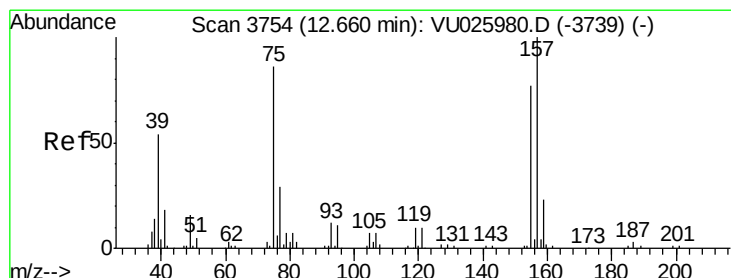
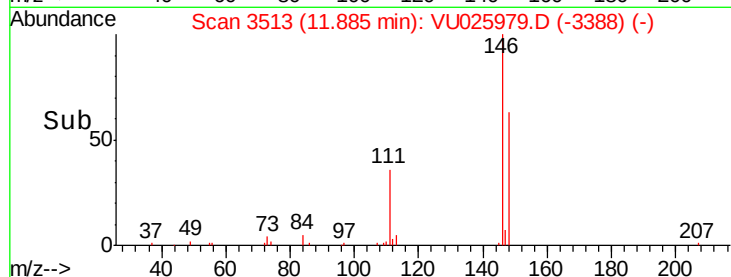
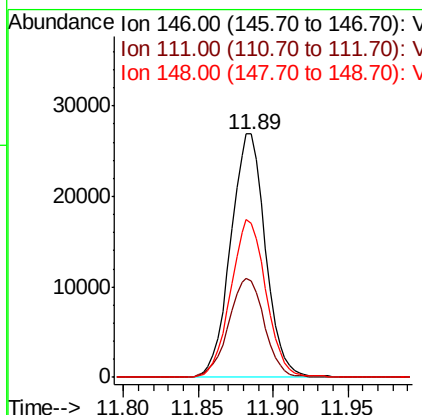
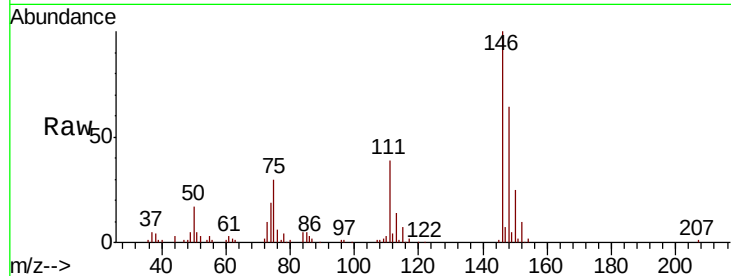




#65
 1,2-Dichlorobenzene
 Concen: 11.374 ug/L
 RT: 11.89 min Scan# 3513
 Delta R.T. 0.00 min
 Lab File: VU025979.D
 Acq: 08 Aug 2018 19:41

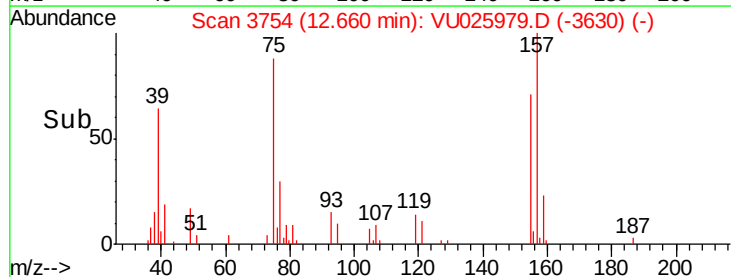
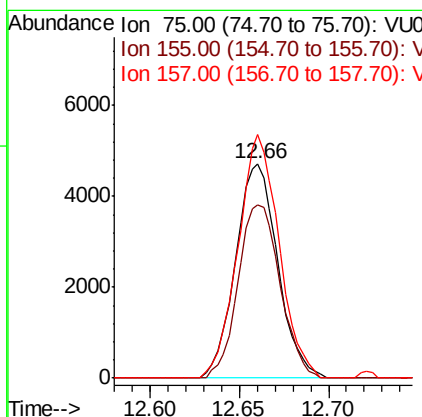
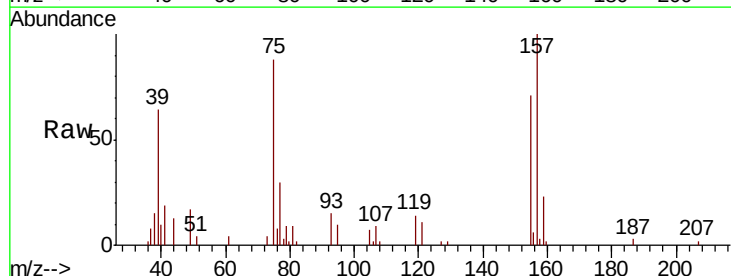
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD01043

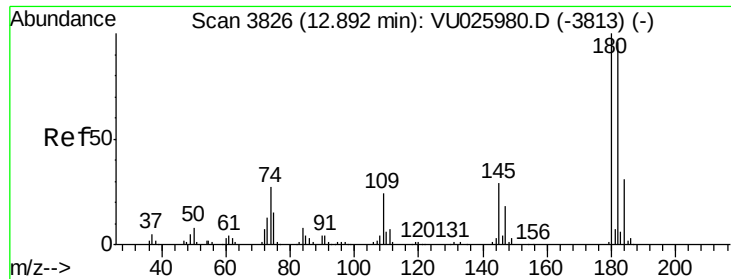
Tgt Ion: 146 Resp: 43590
 Ion Ratio Lower Upper
 146 100
 111 39.4 32.4 48.6
 148 63.5 50.1 75.1



#66
 1,2-Dibromo-3-chloropropane
 Concen: 13.010 ug/L
 RT: 12.66 min Scan# 3754
 Delta R.T. -0.00 min
 Lab File: VU025979.D
 Acq: 08 Aug 2018 19:41

Tgt Ion: 75 Resp: 7757
 Ion Ratio Lower Upper
 75 100
 155 81.0 71.8 107.8
 157 113.5 93.0 139.6

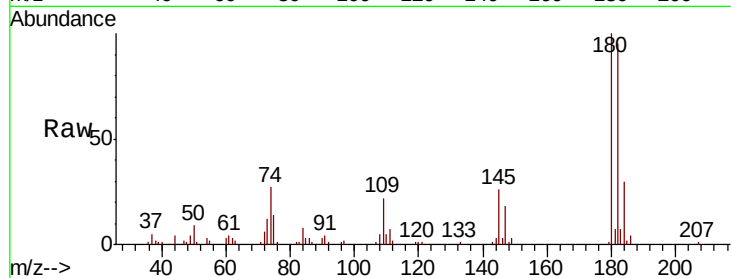




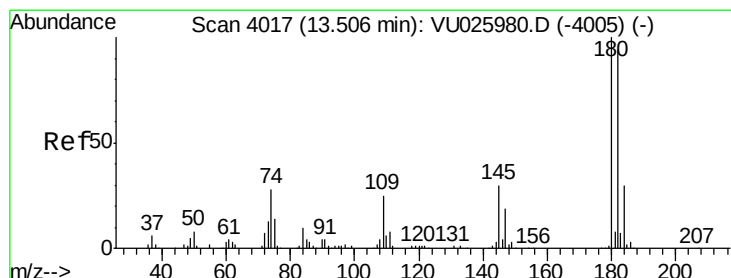
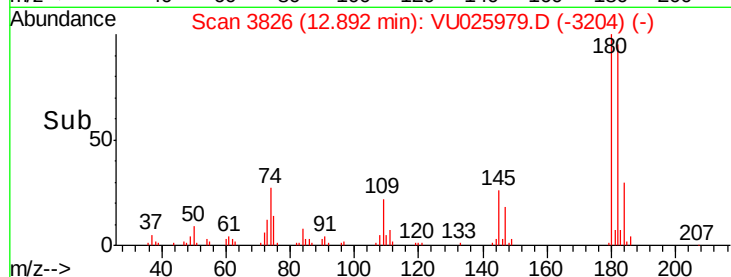
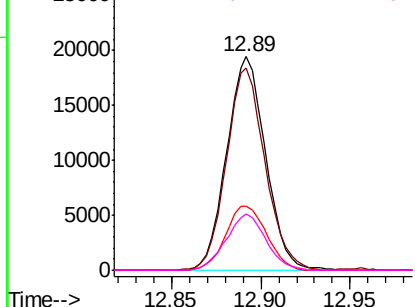
#67
 1,3,5-Trichlorobenzene
 Concen: 10.498 ug/L
 RT: 12.89 min Scan# 3826
 Delta R.T. -0.00 min
 Lab File: VU025979.D
 Acq: 08 Aug 2018 19:41

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD01043

Tgt Ion:	180	Resp:	29338
Ion	Ratio	Lower	Upper
180	100		
182	94.4	76.5	114.7
184	31.4	24.3	36.5
145	26.9	23.5	35.3

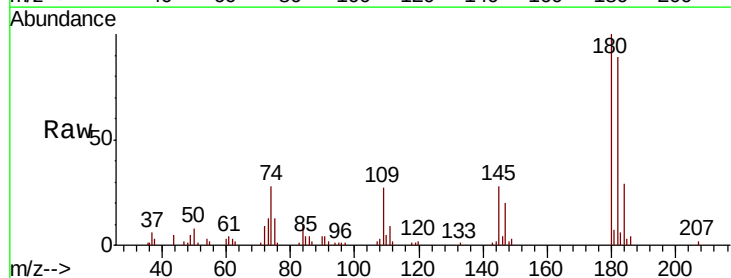


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

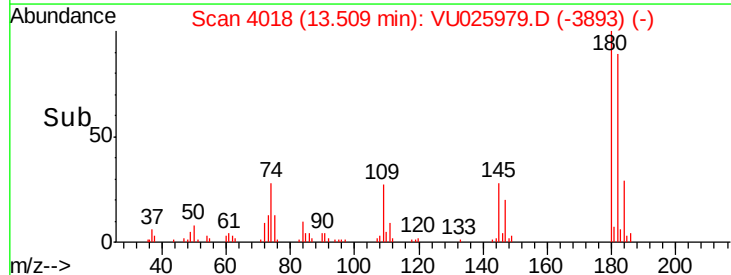
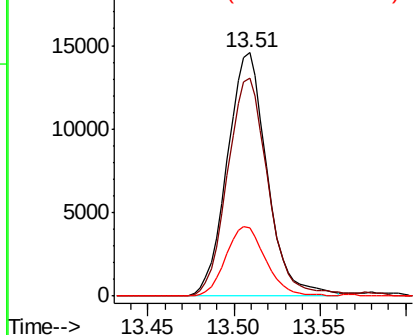


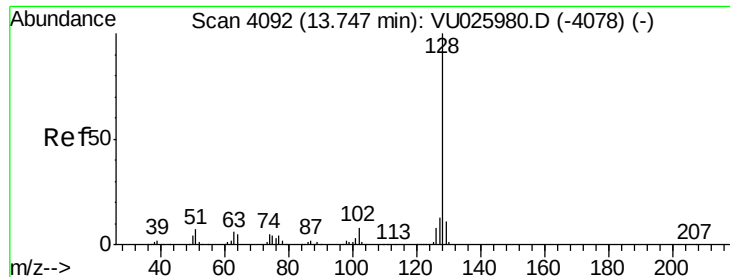
#68
 1,2,4-trichlorobenzene
 Concen: 9.838 ug/L
 RT: 13.51 min Scan# 4018
 Delta R.T. 0.00 min
 Lab File: VU025979.D
 Acq: 08 Aug 2018 19:41

Tgt Ion:	180	Resp:	23526
Ion	Ratio	Lower	Upper
180	100		
182	91.1	76.5	114.7
145	28.6	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: 9.872 ug/L

RT: 13.75 min Scan# 4092

Delta R.T. -0.00 min

Lab File: VU025979.D

Acq: 08 Aug 2018 19:41

Instrument :

MSVOA_U

ClientSampleId :

VSTD01043

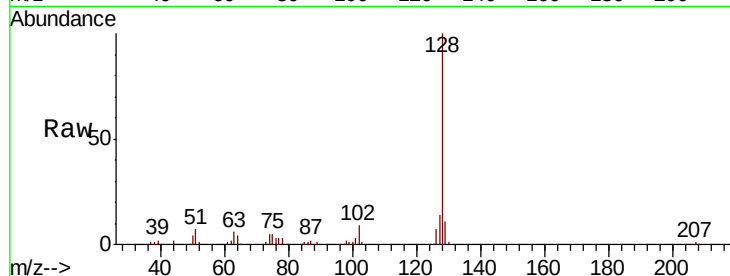
Tgt Ion:128 Resp: 71405

Ion Ratio Lower Upper

128 100

127 13.8 10.3 15.5

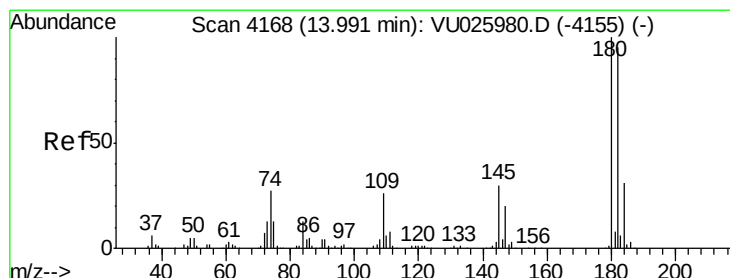
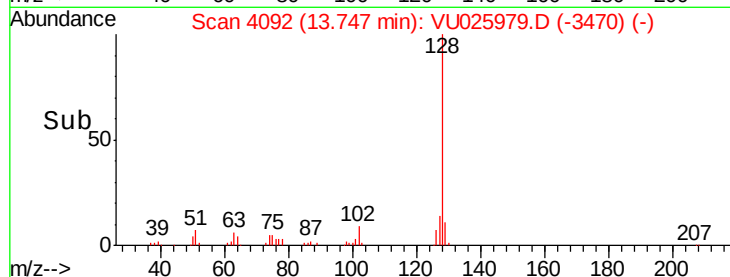
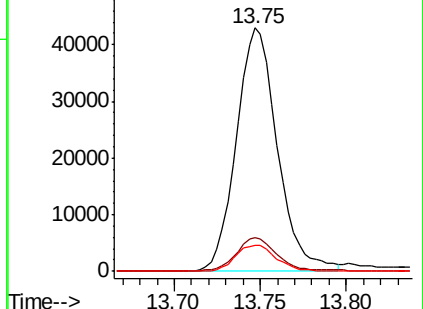
129 10.5 8.6 13.0



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: 10.526 ug/L

RT: 13.99 min Scan# 4168

Delta R.T. -0.00 min

Lab File: VU025979.D

Acq: 08 Aug 2018 19:41

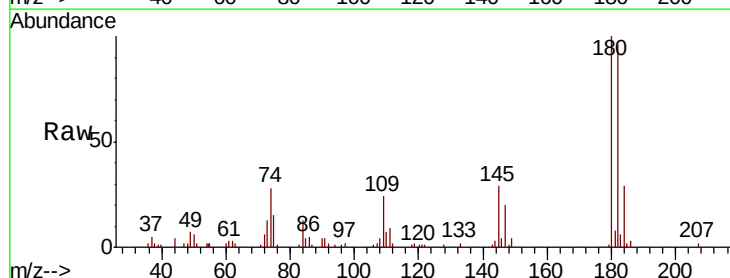
Tgt Ion:180 Resp: 26322

Ion Ratio Lower Upper

180 100

182 95.6 76.5 114.7

145 31.2 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

