

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU071618\
 Data File : VU025418.D
 Acq On : 16 Jul 2018 11:38
 Operator : MD/SY
 Sample : VSTD20055
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD20055

Quant Time: Jul 17 02:08:48 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM071618WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Jul 17 02:04:31 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.89	114	361308	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	355417	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.49	152	198768	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	395866	188.89	ug/L	0.00
7) Chloroethane-d5	1.66	69	310726	178.54	ug/L	-0.02
11) 1,1-Dichloroethene-d2	2.27	63	847365	184.71	ug/L	0.00
21) 2-Butanone-d5	4.17	46	837261	458.17	ug/L	0.00
24) Chloroform-d	4.65	84	931866	202.55	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.31	65	617599	191.62	ug/L	0.00
32) Benzene-d6	5.35	84	1748862	182.14	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.34	67	575244	187.82	ug/L	0.00
41) Toluene-d8	7.57	98	1760610	187.89	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.85	79	307828	200.50	ug/L	0.00
47) 2-Hexanone-d5	8.31	63	657191	456.80	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.44	84	926637	210.88	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.87	152	816816	190.63	ug/L	0.00

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	606531	187.606	ug/L	100
3) Chloromethane	1.33	50	626038	224.586	ug/L	99
5) Vinyl chloride	1.40	62	534760	193.512	ug/L	99
6) Bromomethane	1.60	94	107145	79.938	ug/L	95
8) Chloroethane	1.68	64	297404	178.444	ug/L	99
9) Trichlorofluoromethane	1.88	101	709291	177.652	ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.28	101	439745	183.875	ug/L	99
12) 1,1-Dichloroethene	2.28	96	412238	189.671	ug/L	95
13) Acetone	2.32	43	638759	339.831	ug/L	99
14) Carbon disulfide	2.47	76	1303655	197.228	ug/L	99
15) Methyl Acetate	2.62	43	595692	207.475	ug/L	99
16) Methylene chloride	2.70	84	522724	201.160	ug/L	97
17) trans-1,2-Dichloroethene	2.98	96	471772	198.748	ug/L	98
18) Methyl tert-butyl Ether	3.00	73	1617314	195.720	ug/L	99
19) 1,1-Dichloroethane	3.45	63	898517	198.450	ug/L	99
20) cis-1,2-Dichloroethene	4.23	96	529469	192.935	ug/L	99
22) 2-Butanone	4.26	43	930955	416.644	ug/L	100
23) Bromochloromethane	4.55	128	256896	184.384	ug/L	98
25) Chloroform	4.68	83	942487	194.977	ug/L	99
27) 1,2-Dichloroethane	5.41	62	768035	191.199	ug/L	98
29) Cyclohexane	5.00	56	792055	176.061	ug/L	100
30) 1,1,1-Trichloroethane	4.92	97	858070	182.976	ug/L	99
31) Carbon tetrachloride	5.14	117	778997	190.267	ug/L	99
33) Benzene	5.39	78	1928767	181.140	ug/L	100
34) Trichloroethene	6.19	95	522402	185.119	ug/L	99
35) Methylcyclohexane	6.42	83	831017	177.090	ug/L	99
37) 1,2-Dichloropropane	6.44	63	530669	185.974	ug/L	100
38) Bromodichloromethane	6.76	83	717502	190.757	ug/L	99
39) cis-1,3-Dichloropropene	7.27	75	872417	194.411	ug/L	98
40) 4-Methyl-2-pentanone	7.46	43	1734413	415.412	ug/L	100

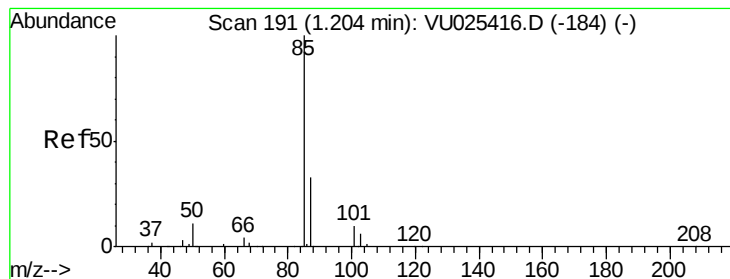
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU071618\
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.64	91	2152300	186.385	ug/L	100
44) trans-1,3-Dichloropropene	7.88	75	827720	199.035	ug/L	100
45) 1,1,2-Trichloroethane	8.07	97	520541	191.528	ug/L	99
46) Tetrachloroethene	8.23	164	450686	188.961	ug/L	99
48) 2-Hexanone	8.37	43	1463714	435.450	ug/L	100
49) Dibromochloromethane	8.48	129	630609	200.359	ug/L	99
50) 1,2-Dibromoethane	8.59	107	579241	191.713	ug/L	98
51) Chlorobenzene	9.12	112	1470100	190.427	ug/L	99
52) Ethylbenzene	9.26	91	2483346	191.499	ug/L	99
53) m,p-Xylene	9.38	106	972810	193.774	ug/L	98
54) o-xylene	9.78	106	976026	193.972	ug/L	97
55) Styrene	9.80	104	1675121	203.169	ug/L	98
56) Isopropylbenzene	10.17	105	2553997	193.540	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.46	83	956334	208.042	ug/L	98
59) 1,2,3-Trichloropropane	10.50	75	771834	206.134	ug/L	100
61) Bromoform	9.96	173	479591	189.815	ug/L	99
62) 1,3-Dichlorobenzene	11.42	146	1271083	192.675	ug/L	100
63) 1,4-Dichlorobenzene	11.51	146	1266828	191.279	ug/L	100
65) 1,2-Dichlorobenzene	11.89	146	1297411	186.775	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.66	75	239842	205.927	ug/L	96
67) 1,3,5-Trichlorobenzene	12.89	180	970595	198.130	ug/L	100
68) 1,2,4-trichlorobenzene	13.51	180	863814	210.360	ug/L	100
69) Naphthalene	13.75	128	2953116	212.962	ug/L	100
70) 1,2,3-Trichlorobenzene	13.99	180	900979	203.060	ug/L	100

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



#2

Dichlorodifluoromethane

Concen: 187.606 ug/L

RT: 1.20 min Scan# 191

Delta R.T. -0.00 min

Lab File: VU025418.D

Acq: 16 Jul 2018 11:38

Instrument :

MSVOA_U

ClientSampleId :

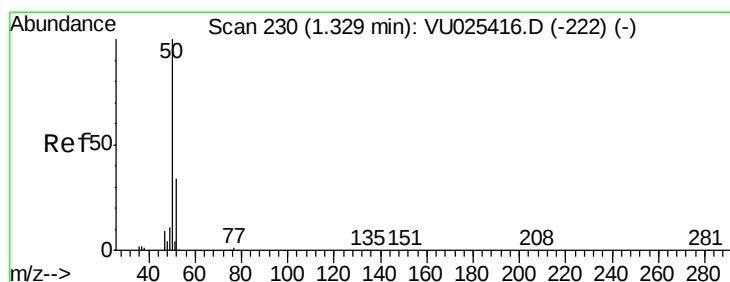
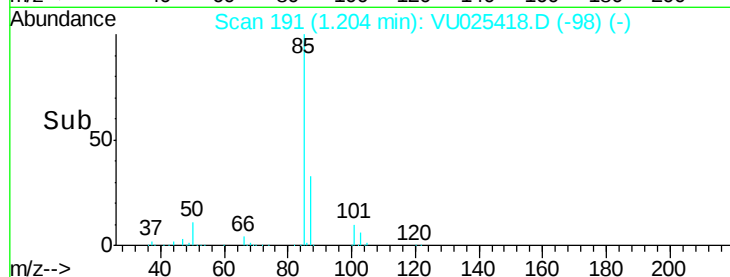
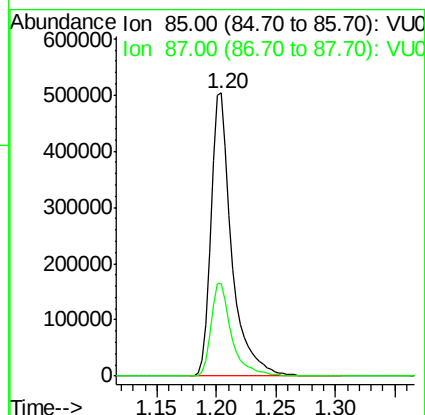
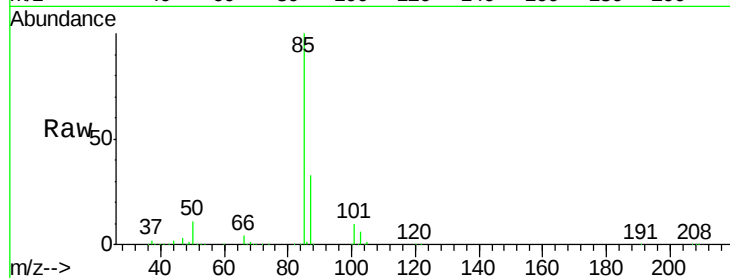
VSTD20055

Tgt Ion: 85 Resp: 606531

Ion Ratio Lower Upper

85 100

87 32.7 26.0 39.0



#3

Chloromethane

Concen: 224.586 ug/L

RT: 1.33 min Scan# 229

Delta R.T. -0.00 min

Lab File: VU025418.D

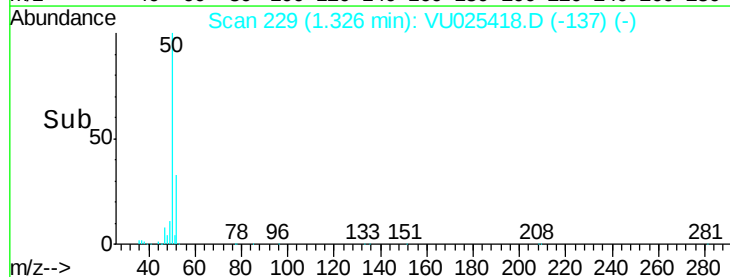
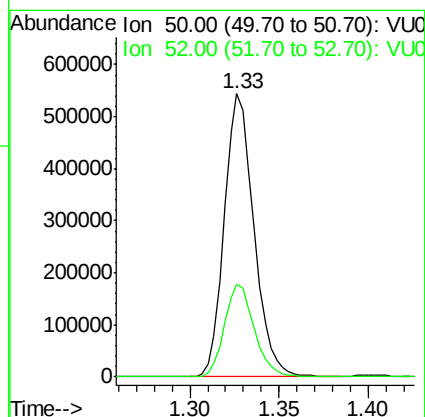
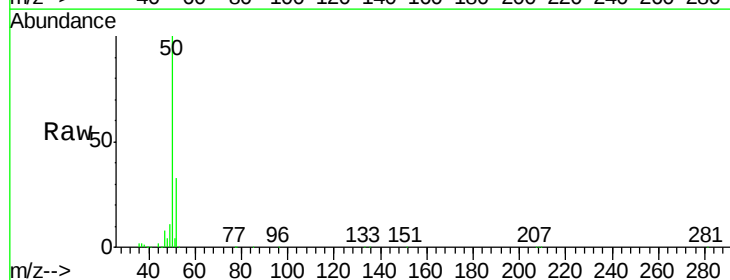
Acq: 16 Jul 2018 11:38

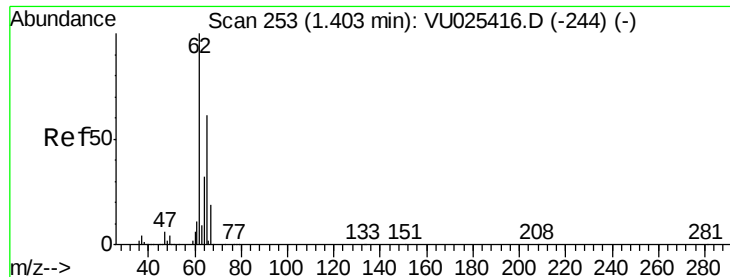
Tgt Ion: 50 Resp: 626038

Ion Ratio Lower Upper

50 100

52 32.9 23.5 43.7





#5

Vinyl chloride

Concen: 193.512 ug/L

RT: 1.40 min Scan# 253

Delta R.T. -0.00 min

Lab File: VU025418.D

Acq: 16 Jul 2018 11:38

Instrument :

MSVOA_U

ClientSampleId :

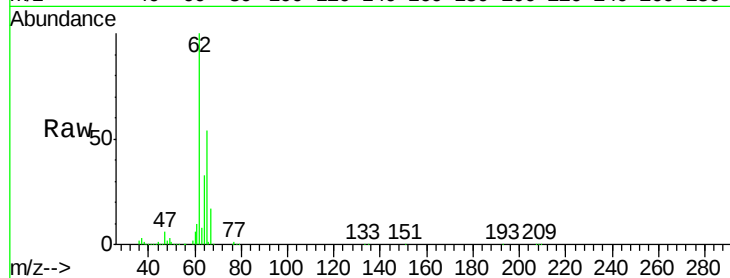
VSTD20055

Tgt Ion: 62 Resp: 534760

Ion Ratio Lower Upper

62 100

64 32.8 22.6 42.0



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 64.00 (63.70 to 64.70): VU0

1.40

500000

400000

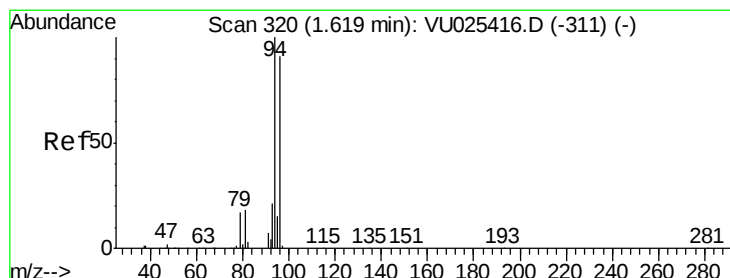
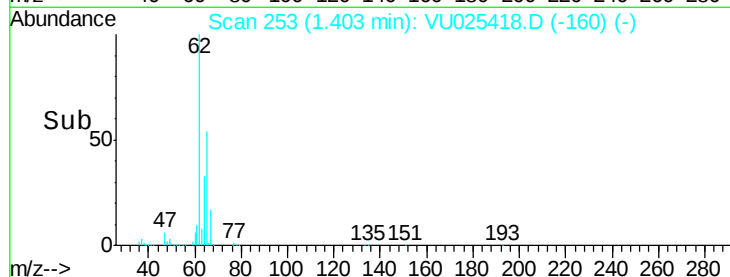
300000

200000

100000

0

Time-->



#6

Bromomethane

Concen: 79.938 ug/L

RT: 1.60 min Scan# 315

Delta R.T. -0.02 min

Lab File: VU025418.D

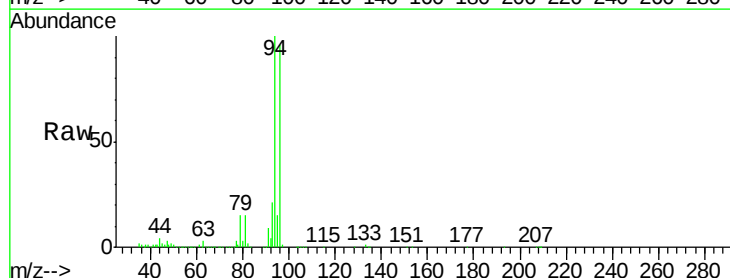
Acq: 16 Jul 2018 11:38

Tgt Ion: 94 Resp: 107145

Ion Ratio Lower Upper

94 100

96 96.3 64.2 119.2



Abundance Ion 94.00 (93.70 to 94.70): VU0

Ion 96.00 (95.70 to 96.70): VU0

1.60

120000

100000

80000

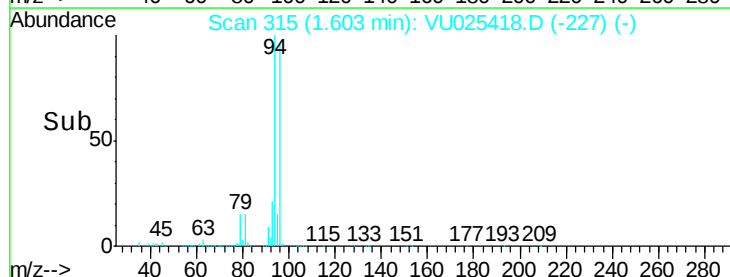
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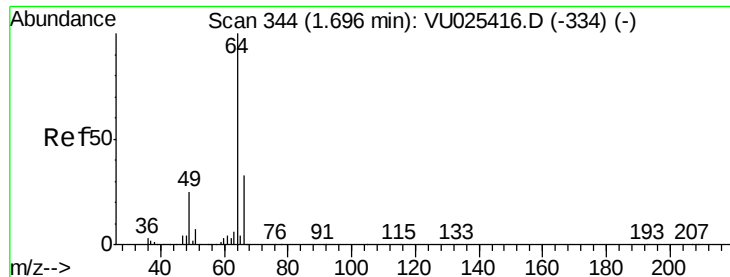
40000

20000

0

Time-->





#8

Chloroethane

Concen: 178.444 ug/L

RT: 1.68 min Scan# 339

Delta R.T. -0.02 min

Lab File: VU025418.D

Acq: 16 Jul 2018 11:38

Instrument :

MSVOA_U

ClientSampleId :

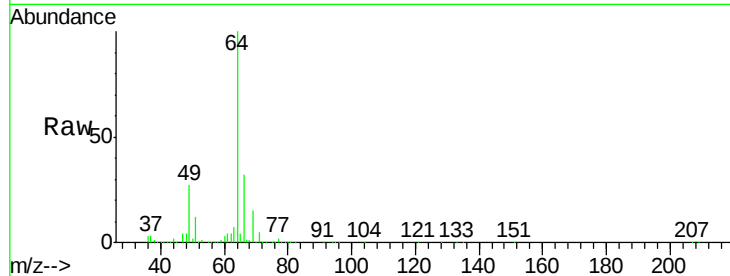
VSTD20055

Tgt Ion: 64 Resp: 297404

Ion Ratio Lower Upper

64 100

66 32.4 23.2 43.0



Abundance Ion 64.00 (63.70 to 64.70): VU025418.D (-334) (-)

Ion 66.00 (65.70 to 66.70): VU025418.D (-334) (-)

250000

200000

150000

100000

50000

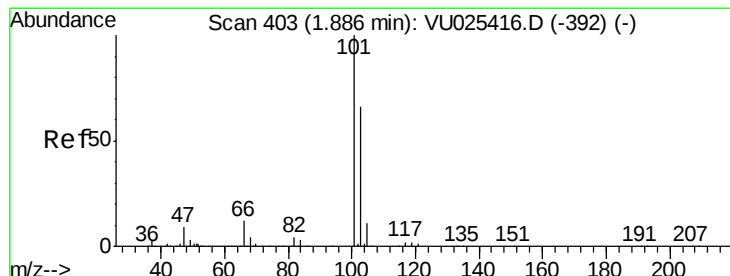
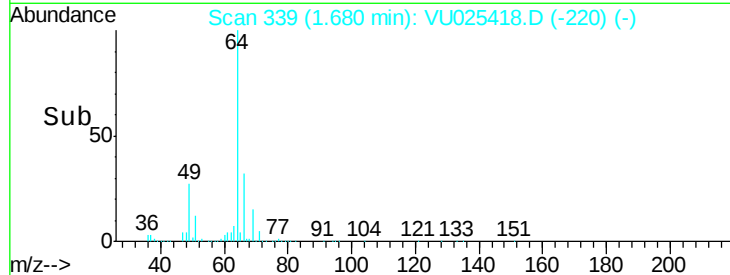
0

1.68

1.65

1.70

Time-->



#9

Trichlorofluoromethane

Concen: 177.652 ug/L

RT: 1.88 min Scan# 400

Delta R.T. -0.01 min

Lab File: VU025418.D

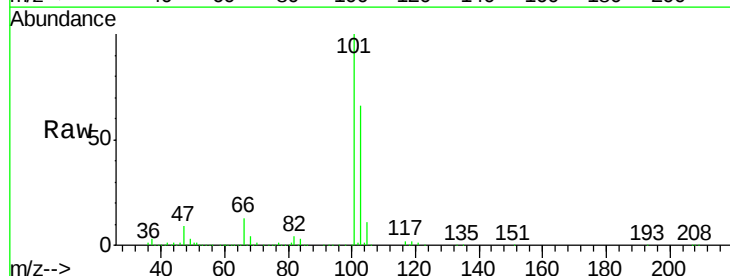
Acq: 16 Jul 2018 11:38

Tgt Ion: 101 Resp: 709291

Ion Ratio Lower Upper

101 100

103 65.0 52.3 78.5



Abundance Ion 101.00 (100.70 to 101.70): VU025418.D (-392) (-)

Ion 103.00 (102.70 to 103.70): VU025418.D (-392) (-)

400000

300000

200000

100000

0

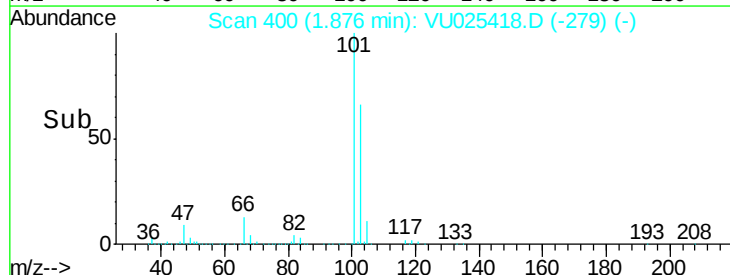
1.88

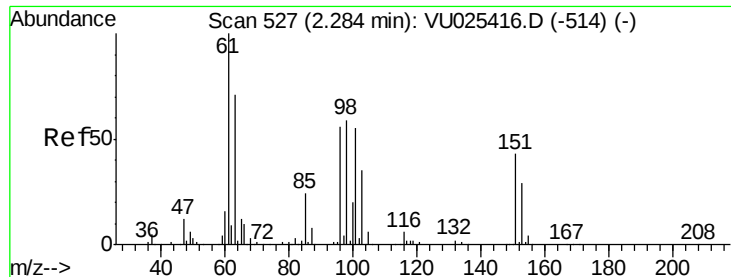
1.80

2.00

2.10

Time-->





#10

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

Concen: 183.875 ug/L

RT: 2.28 min Scan# 525

Delta R.T. -0.01 min

Lab File: VU025418.D

Acq: 16 Jul 2018 11:38

Instrument :

MSVOA_U

ClientSampleId :

VSTD20055

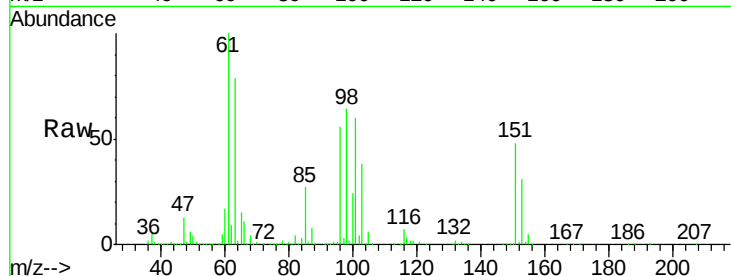
Tgt Ion:101 Resp: 439745

Ion Ratio Lower Upper

101 100

85 43.9 34.7 52.1

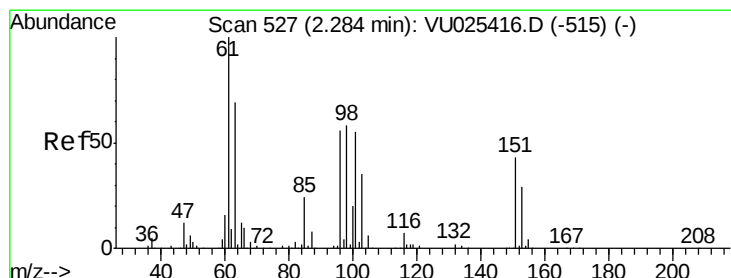
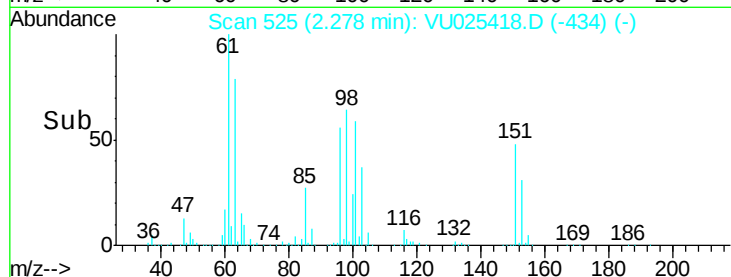
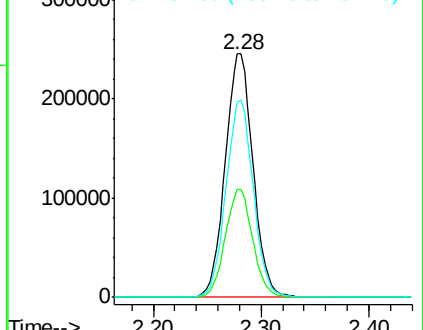
151 80.1 64.4 96.6



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: 189.671 ug/L

RT: 2.28 min Scan# 525

Delta R.T. -0.01 min

Lab File: VU025418.D

Acq: 16 Jul 2018 11:38

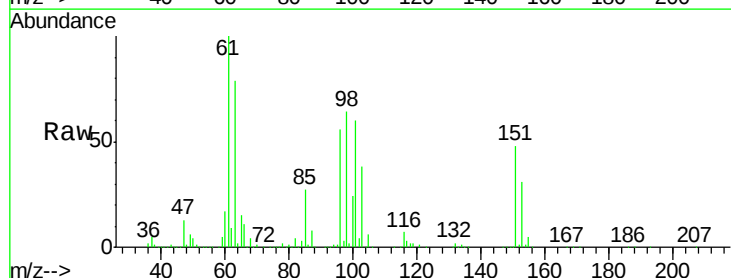
Tgt Ion: 96 Resp: 412238

Ion Ratio Lower Upper

96 100

61 178.4 125.9 233.9

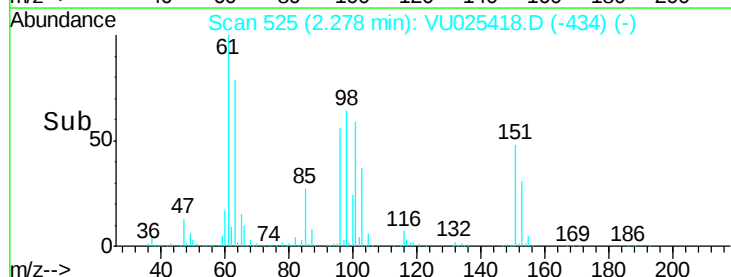
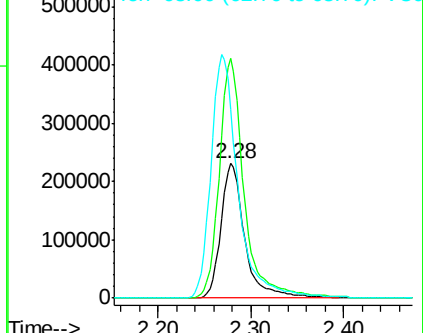
63 140.7 90.4 167.8

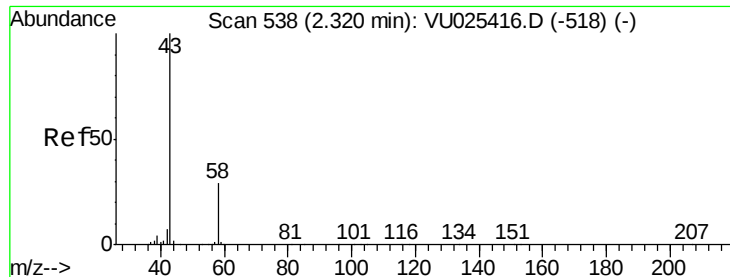


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 339.831 ug/L

RT: 2.32 min Scan# 539

Delta R.T. 0.00 min

Lab File: VU025418.D

Acq: 16 Jul 2018 11:38

Instrument :

MSVOA_U

ClientSampleId :

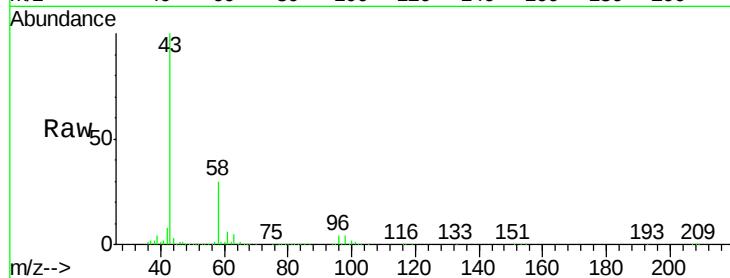
VSTD20055

Tgt Ion: 43 Resp: 638759

Ion Ratio Lower Upper

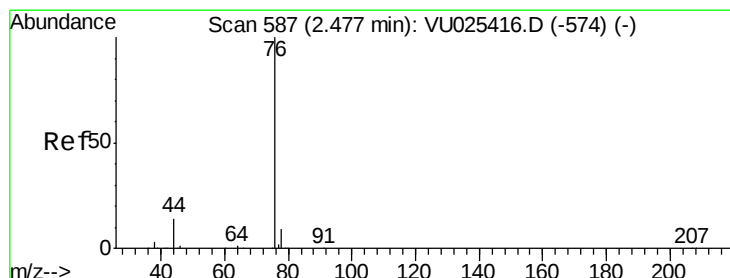
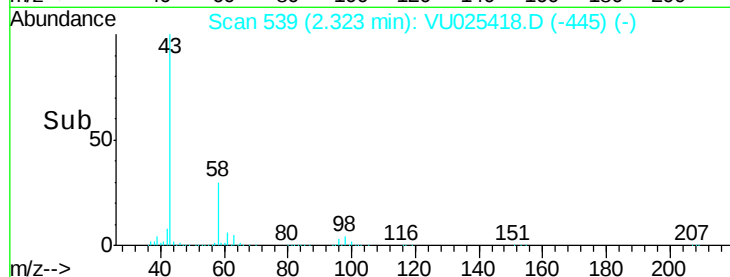
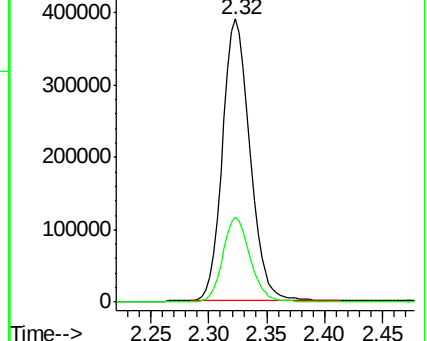
43 100

58 29.8 0.0 58.4



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0



#14

Carbon disulfide

Concen: 197.228 ug/L

RT: 2.47 min Scan# 585

Delta R.T. -0.01 min

Lab File: VU025418.D

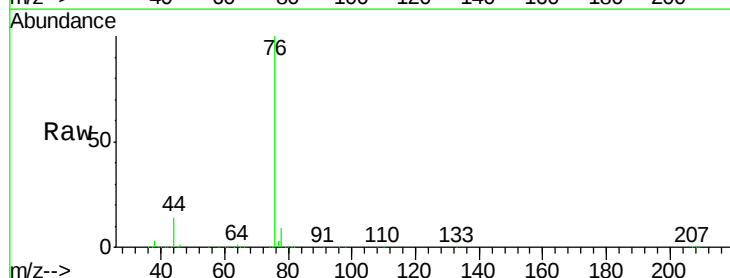
Acq: 16 Jul 2018 11:38

Tgt Ion: 76 Resp: 1303655

Ion Ratio Lower Upper

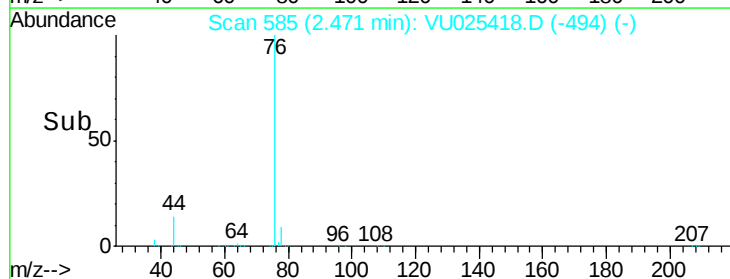
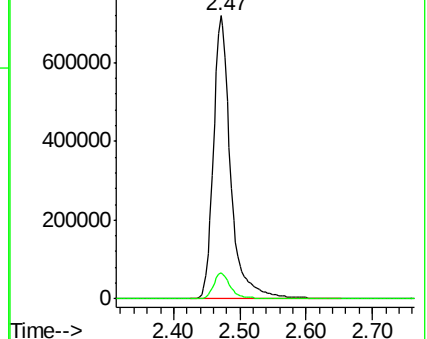
76 100

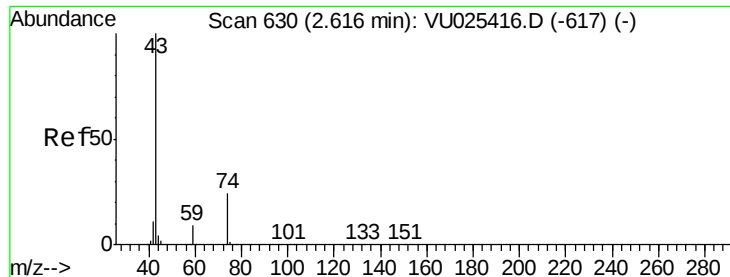
78 9.2 7.2 10.8



Abundance Ion 76.00 (75.70 to 76.70): VU0

Ion 78.00 (77.70 to 78.70): VU0

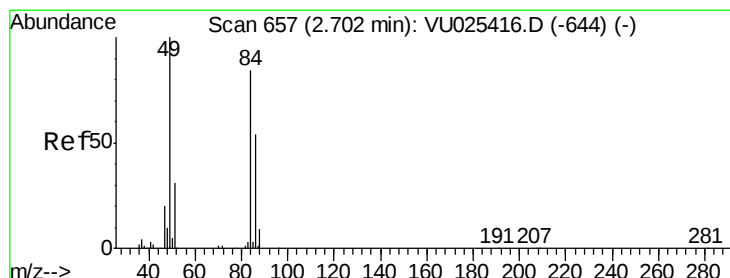
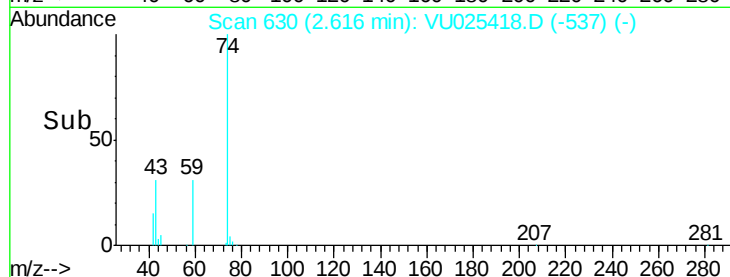
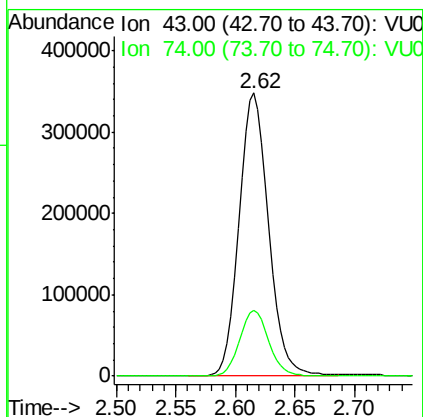
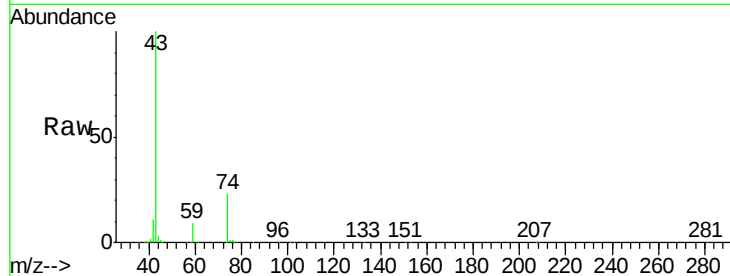




#15
Methyl Acetate
Concen: 207.475 ug/L
RT: 2.62 min Scan# 630
Delta R.T. -0.00 min
Lab File: VU025418.D
Acq: 16 Jul 2018 11:38

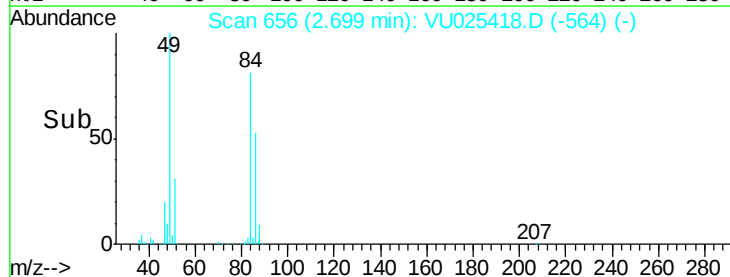
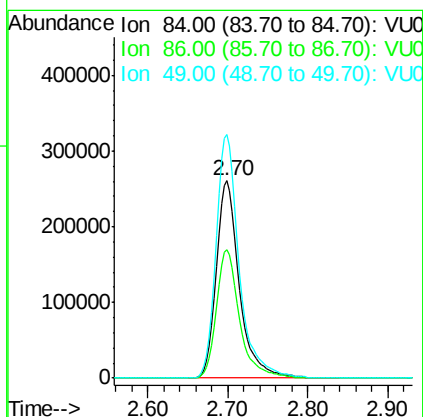
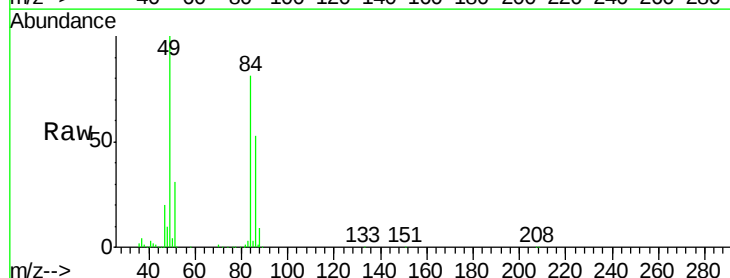
Instrument :
MSVOA_U
ClientSampleId :
VSTD20055

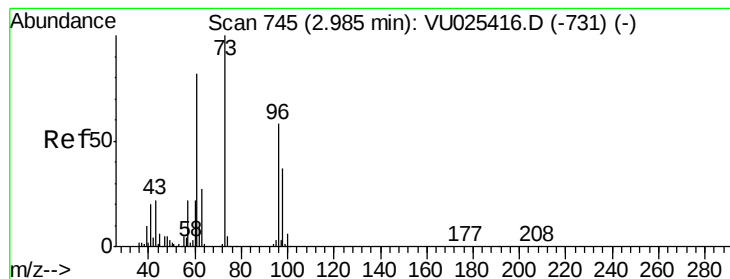
Tgt Ion: 43 Resp: 595692
Ion Ratio Lower Upper
43 100
74 23.1 18.8 28.2



#16
Methylene chloride
Concen: 201.160 ug/L
RT: 2.70 min Scan# 656
Delta R.T. -0.00 min
Lab File: VU025418.D
Acq: 16 Jul 2018 11:38

Tgt Ion: 84 Resp: 522724
Ion Ratio Lower Upper
84 100
86 65.3 45.2 84.0
49 123.4 83.6 155.2





#17

trans-1,2-Dichloroethene

Concen: 198.748 ug/L

RT: 2.98 min Scan# 743

Delta R.T. -0.01 min

Lab File: VU025418.D

Acq: 16 Jul 2018 11:38

Instrument :

MSVOA_U

ClientSampleId :

VSTD20055

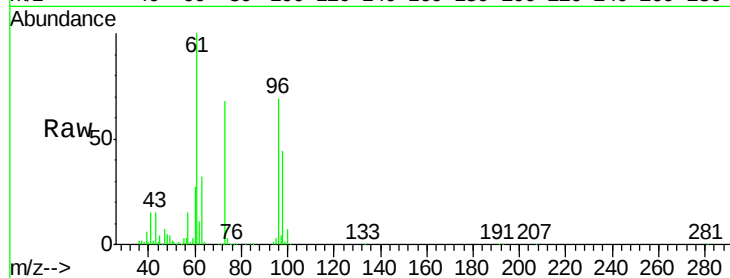
Tgt Ion: 96 Resp: 471772

Ion Ratio Lower Upper

96 100

61 144.1 98.2 182.4

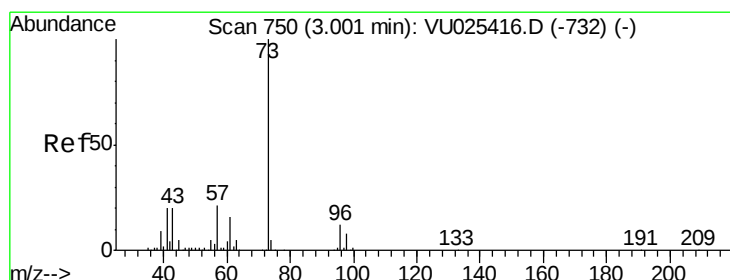
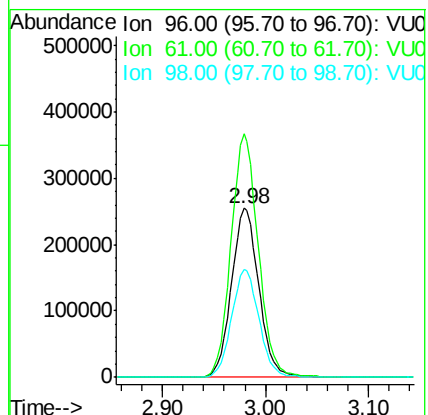
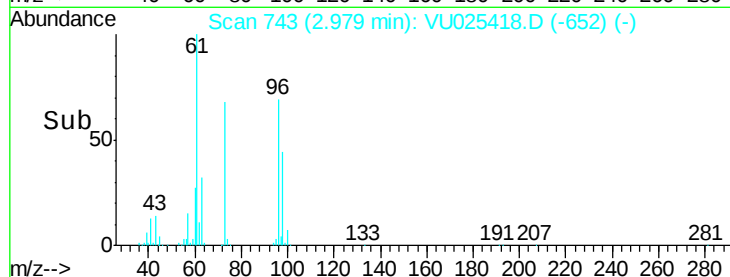
98 63.8 44.4 82.5



Abundance Ion 96.00 (95.70 to 96.70): VU025418.D (-652) (-)

Ion 61.00 (60.70 to 61.70): VU025418.D (-652) (-)

Ion 98.00 (97.70 to 98.70): VU025418.D (-652) (-)



#18

Methyl tert-butyl Ether

Concen: 195.720 ug/L

RT: 3.00 min Scan# 749

Delta R.T. -0.00 min

Lab File: VU025418.D

Acq: 16 Jul 2018 11:38

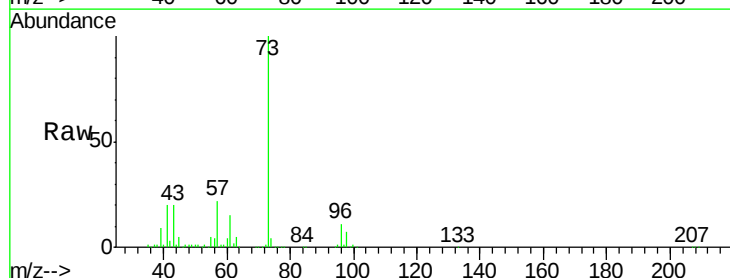
Tgt Ion: 73 Resp: 1617314

Ion Ratio Lower Upper

73 100

43 20.5 16.7 25.1

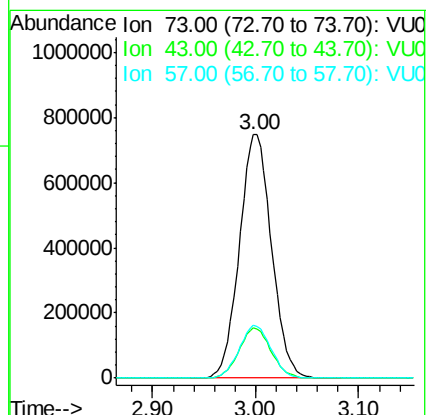
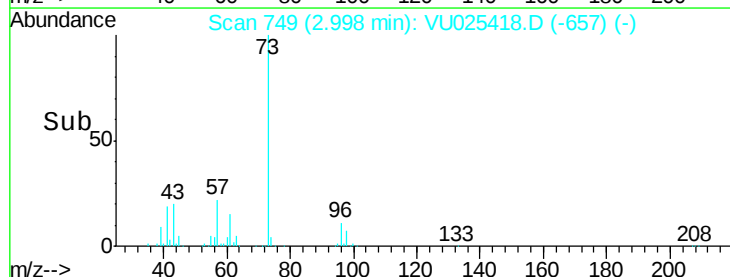
57 21.5 17.3 25.9

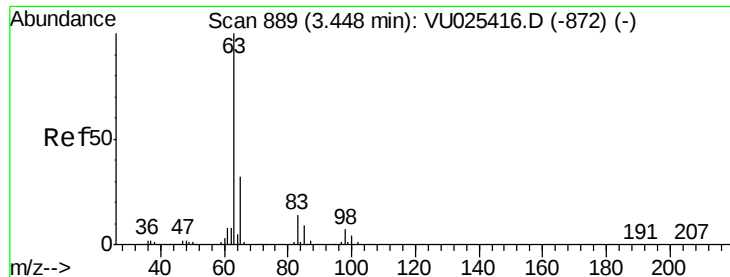


Abundance Ion 73.00 (72.70 to 73.70): VU025418.D (-657) (-)

Ion 43.00 (42.70 to 43.70): VU025418.D (-657) (-)

Ion 57.00 (56.70 to 57.70): VU025418.D (-657) (-)

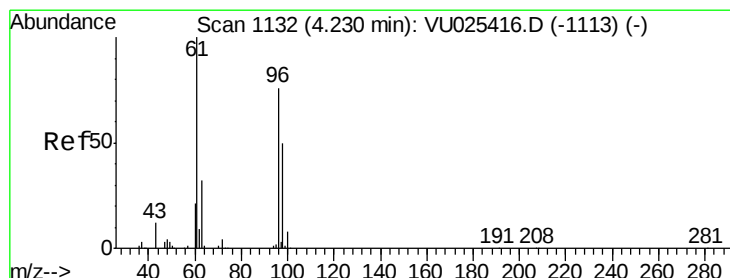
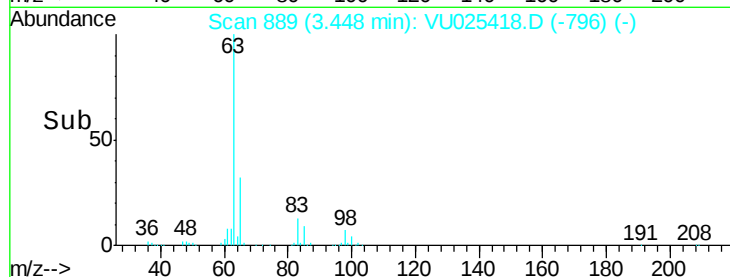
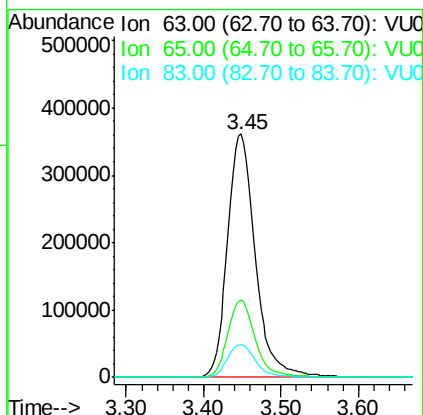
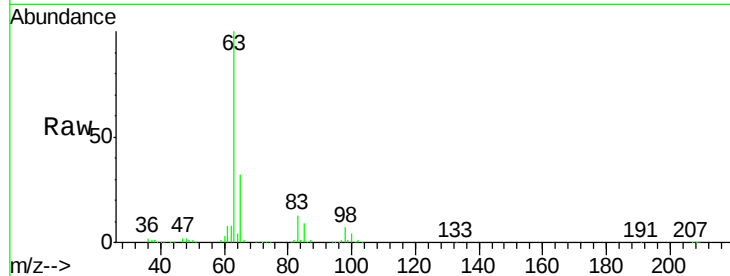




#19
 1,1-Dichloroethane
 Concen: 198.450 ug/L
 RT: 3.45 min Scan# 889
 Delta R.T. -0.00 min
 Lab File: VU025418.D
 Acq: 16 Jul 2018 11:38

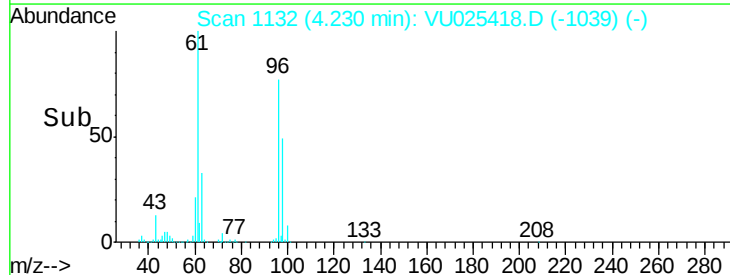
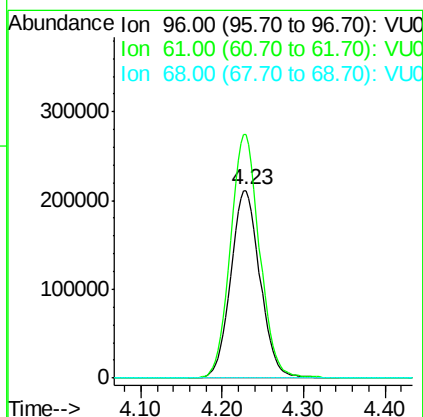
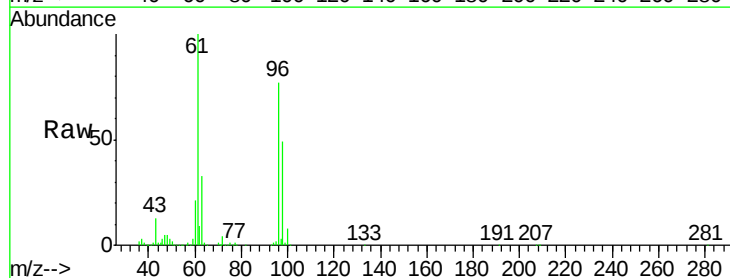
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD20055

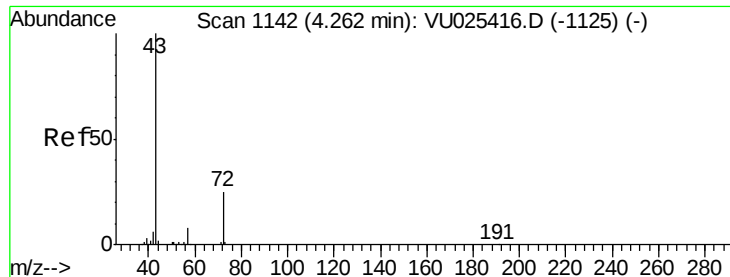
Tgt Ion	Ratio	Lower	Upper
63	100		
65	32.0	22.6	42.0
83	13.5	9.6	17.8



#20
 cis-1,2-Dichloroethene
 Concen: 192.935 ug/L
 RT: 4.23 min Scan# 1132
 Delta R.T. -0.00 min
 Lab File: VU025418.D
 Acq: 16 Jul 2018 11:38

Tgt Ion	Ratio	Lower	Upper
96	100		
61	129.8	92.0	170.9
68	0.0	0.0	0.0





#22

2-Butanone

Concen: 416.644 ug/L

RT: 4.26 min Scan# 1142

Delta R.T. 0.00 min

Lab File: VU025418.D

Acq: 16 Jul 2018 11:38

Instrument :

MSVOA_U

ClientSampleId :

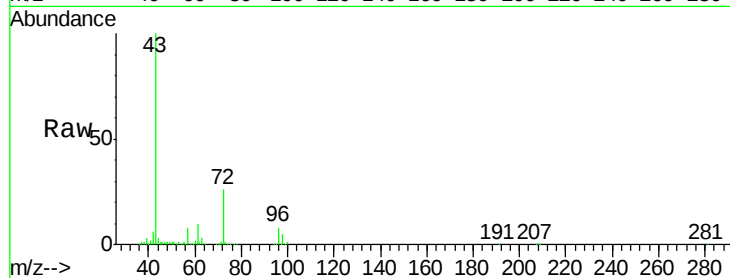
VSTD20055

Tgt Ion: 43 Resp: 930955

Ion Ratio Lower Upper

43 100

72 26.8 13.3 39.9



Abundance Ion 43.00 (42.70 to 43.70): VU025418.D (-1149) (-)

Ion 72.00 (71.70 to 72.70): VU025418.D (-1149) (-)

4.26

400000

300000

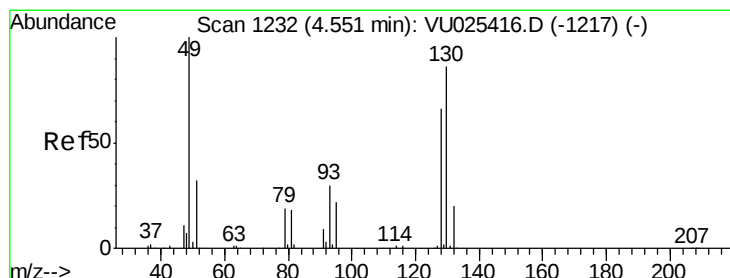
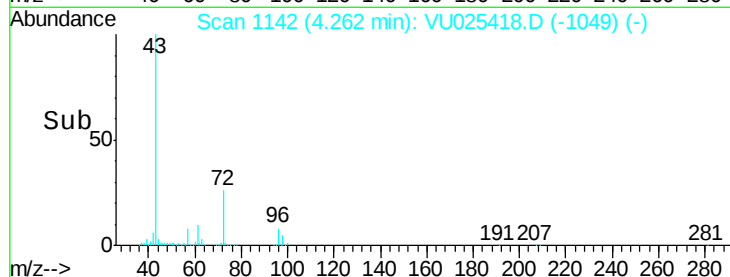
200000

100000

0

4.20 4.30

Time-->



#23

Bromochloromethane

Concen: 184.384 ug/L

RT: 4.55 min Scan# 1232

Delta R.T. -0.00 min

Lab File: VU025418.D

Acq: 16 Jul 2018 11:38

Tgt Ion: 128 Resp: 256896

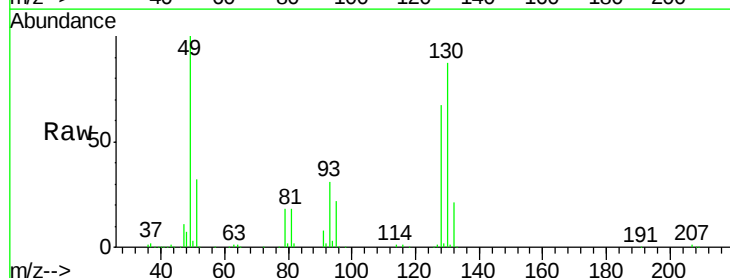
Ion Ratio Lower Upper

128 100

49 148.9 106.5 197.7

130 130.0 91.4 169.8

51 47.5 38.6 58.0



Abundance Ion 128.00 (127.70 to 128.70): VU025418.D (-1239) (-)

Ion 49.00 (48.70 to 49.70): VU025418.D (-1239) (-)

Ion 130.00 (129.70 to 130.70): VU025418.D (-1239) (-)

Ion 51.00 (50.70 to 51.70): VU025418.D (-1239) (-)

4.55

200000

150000

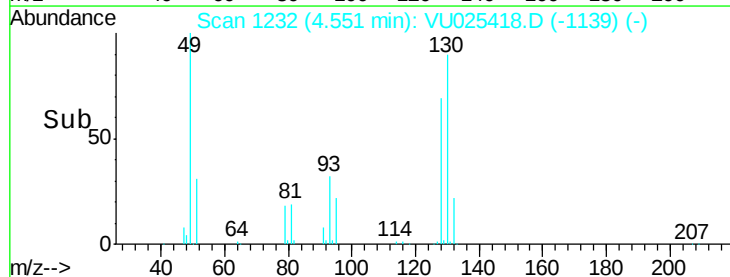
100000

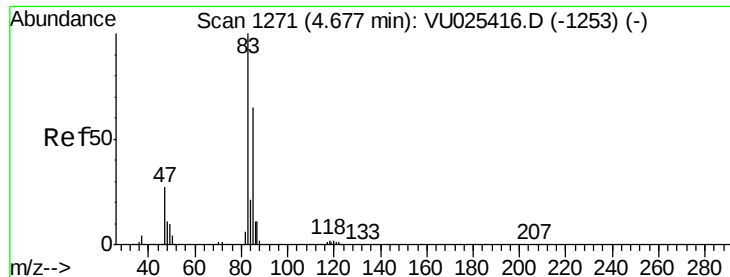
50000

0

4.50 4.60 4.70

Time-->

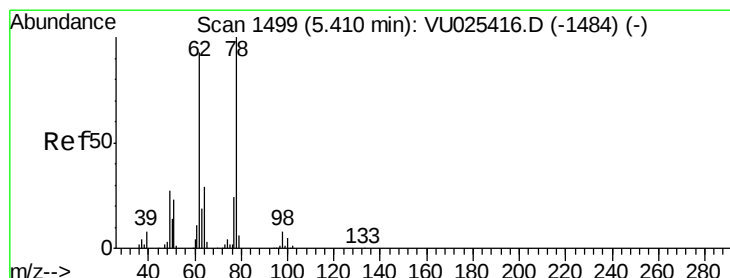
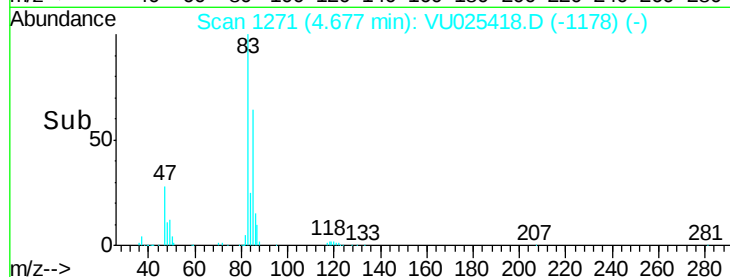
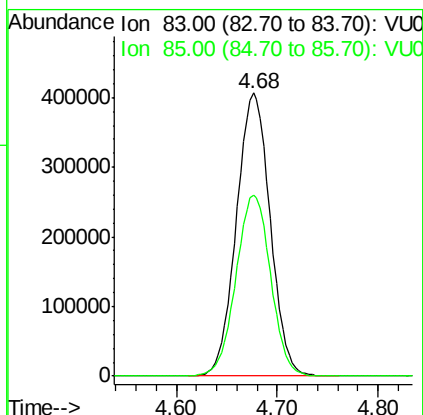
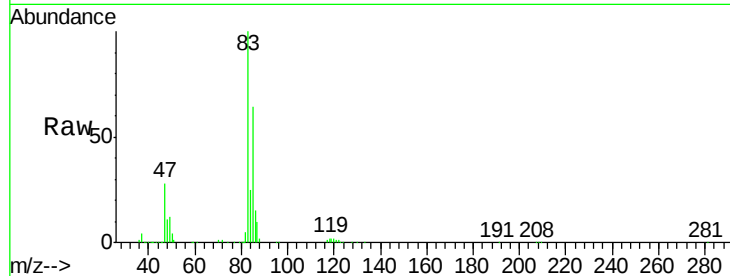




#25
Chloroform
Concen: 194.977 ug/L
RT: 4.68 min Scan# 1271
Delta R.T. -0.00 min
Lab File: VU025418.D
Acq: 16 Jul 2018 11:38

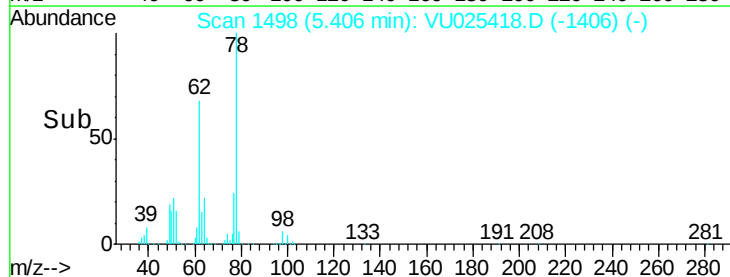
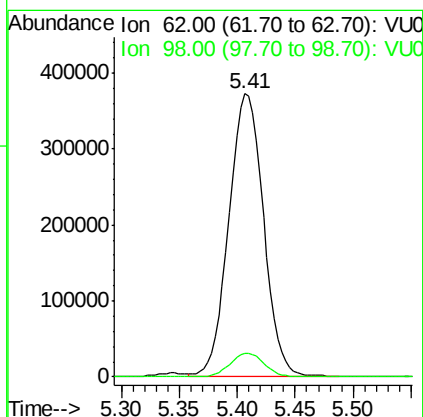
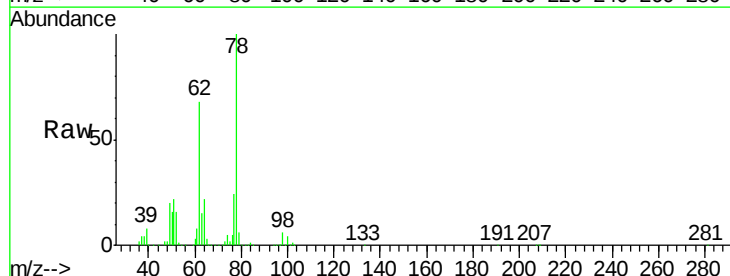
Instrument :
MSVOA_U
ClientSampleId :
VSTD20055

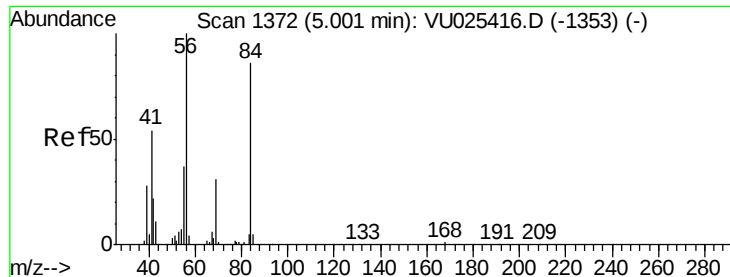
Tgt Ion: 83 Resp: 942487
Ion Ratio Lower Upper
83 100
85 64.1 45.6 84.6



#27
1,2-Dichloroethane
Concen: 191.199 ug/L
RT: 5.41 min Scan# 1498
Delta R.T. -0.00 min
Lab File: VU025418.D
Acq: 16 Jul 2018 11:38

Tgt Ion: 62 Resp: 768035
Ion Ratio Lower Upper
62 100
98 8.1 7.0 10.4

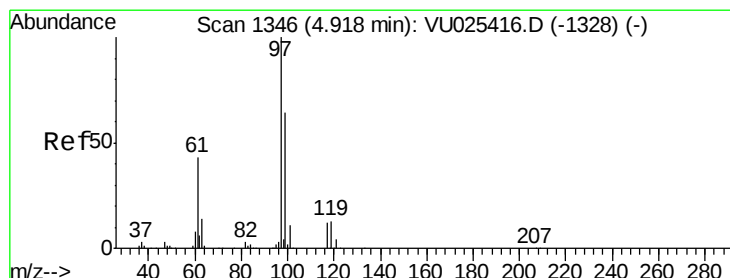
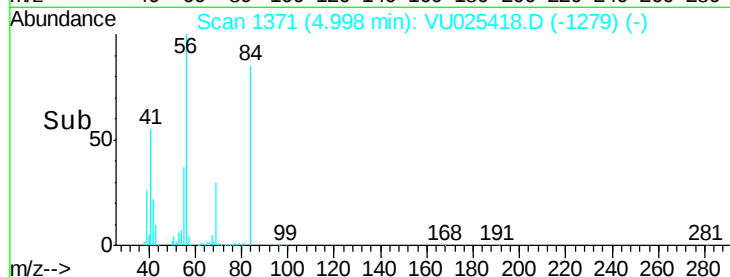
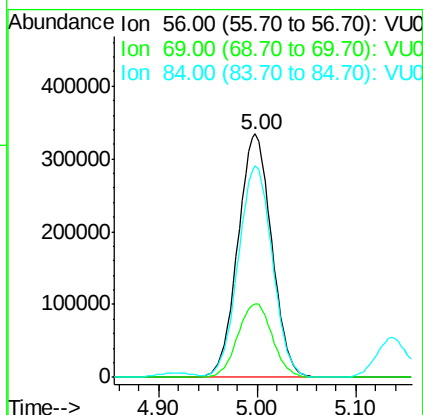
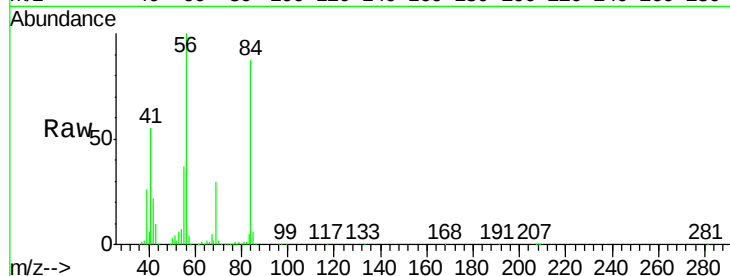




#29
Cyclohexane
Concen: 176.061 ug/L
RT: 5.00 min Scan# 1371
Delta R.T. -0.00 min
Lab File: VU025418.D
Acq: 16 Jul 2018 11:38

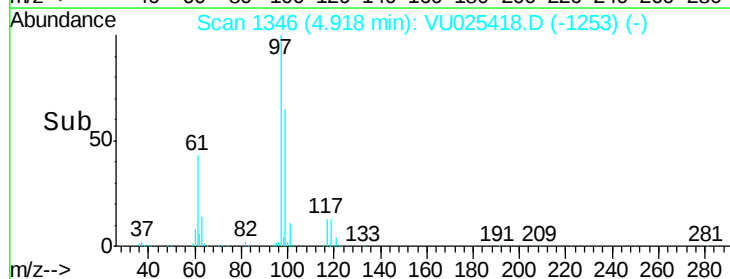
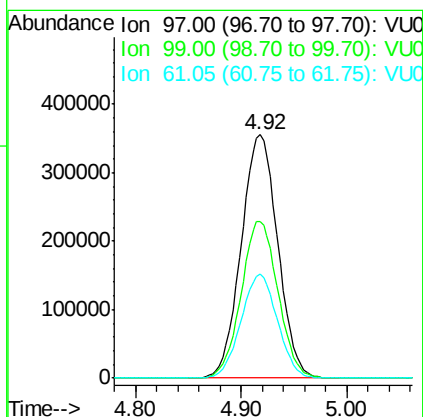
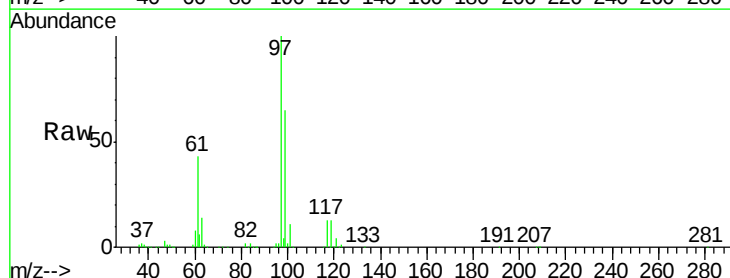
Instrument :
MSVOA_U
ClientSampleId :
VSTD20055

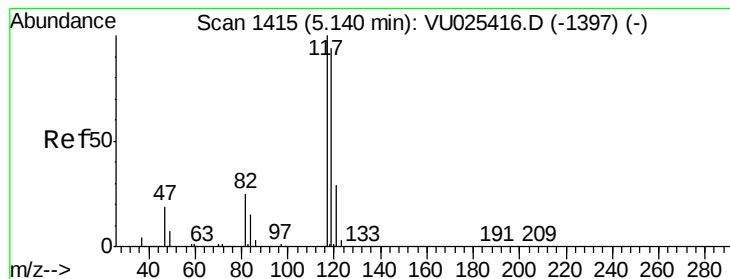
Tgt Ion: 56 Resp: 792055
Ion Ratio Lower Upper
56 100
69 30.9 24.8 37.2
84 87.9 70.0 105.0



#30
1,1,1-Trichloroethane
Concen: 182.976 ug/L
RT: 4.92 min Scan# 1346
Delta R.T. -0.00 min
Lab File: VU025418.D
Acq: 16 Jul 2018 11:38

Tgt Ion: 97 Resp: 858070
Ion Ratio Lower Upper
97 100
99 64.8 51.8 77.8
61 42.7 34.8 52.2





#31

Carbon tetrachloride

Concen: 190.267 ug/L

RT: 5.14 min Scan# 1414

Delta R.T. -0.00 min

Lab File: VU025418.D

Acq: 16 Jul 2018 11:38

Instrument :

MSVOA_U

ClientSampleId :

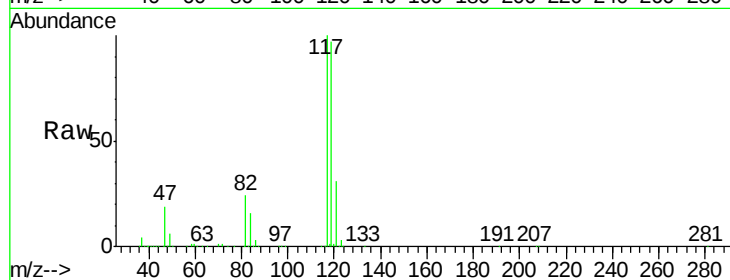
VSTD20055

Tgt Ion:117 Resp: 778997

Ion Ratio Lower Upper

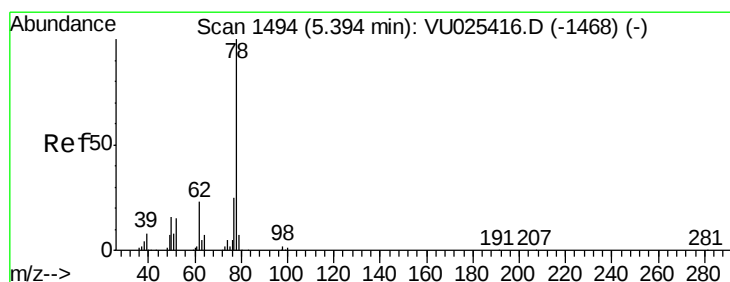
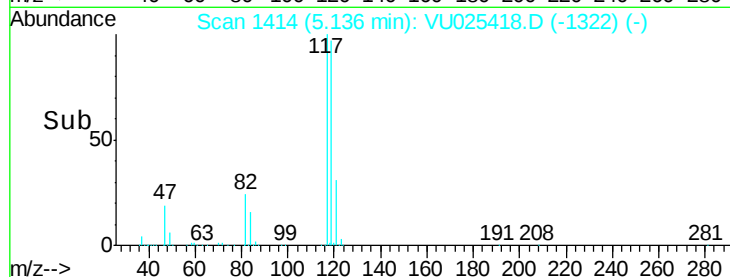
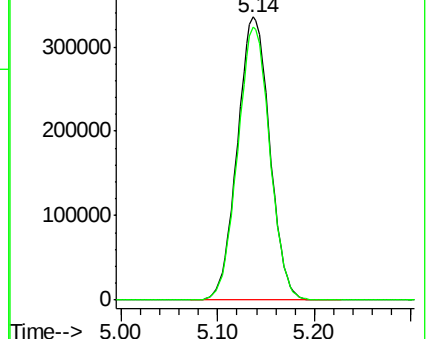
117 100

119 95.8 75.8 113.8



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#33

Benzene

Concen: 181.140 ug/L

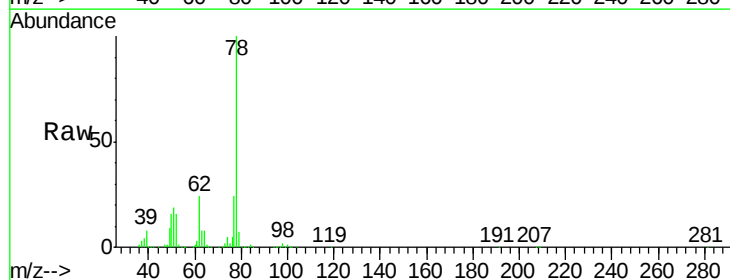
RT: 5.39 min Scan# 1494

Delta R.T. -0.00 min

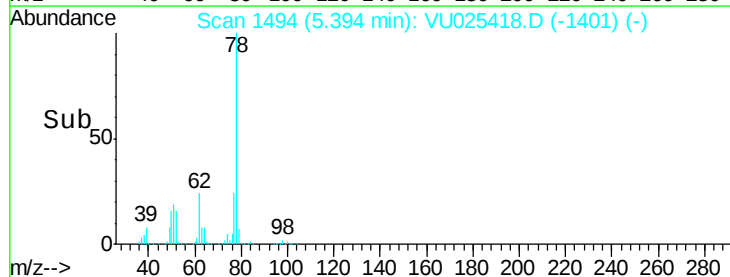
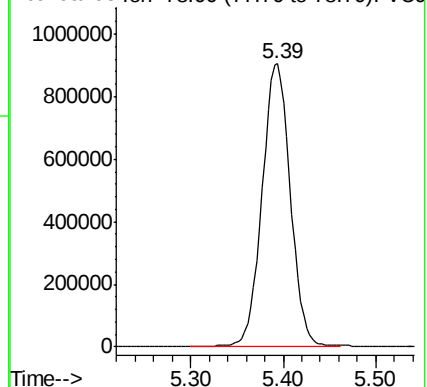
Lab File: VU025418.D

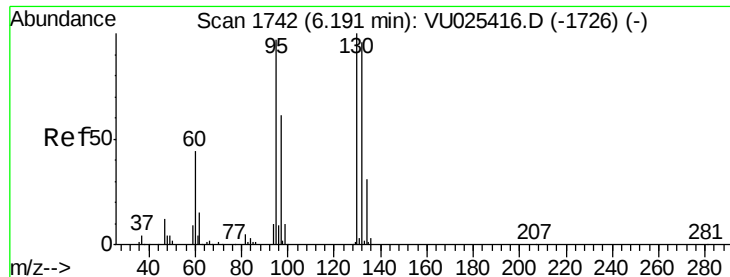
Acq: 16 Jul 2018 11:38

Tgt Ion: 78 Resp: 1928767



Abundance Ion 78.00 (77.70 to 78.70): VU0





#34

Trichloroethene

Concen: 185.119 ug/L

RT: 6.19 min Scan# 1741

Delta R.T. -0.00 min

Lab File: VU025418.D

Acq: 16 Jul 2018 11:38

Instrument :

MSVOA_U

ClientSampleId :

VSTD20055

Tgt Ion: 95 Resp: 522402

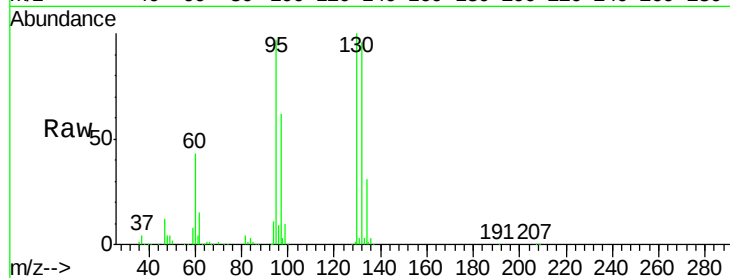
Ion Ratio Lower Upper

95 100

97 64.1 44.3 82.3

132 98.8 69.6 129.2

130 103.2 72.4 134.5

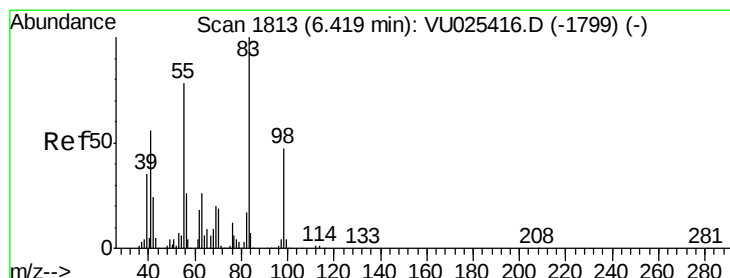
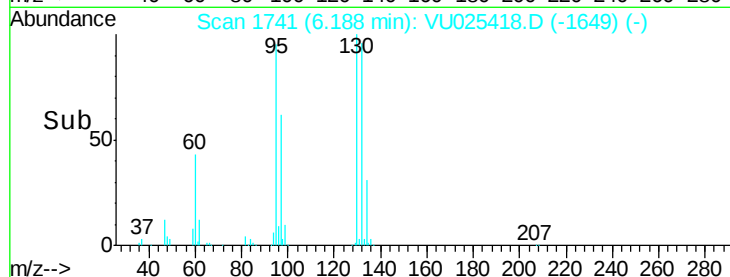
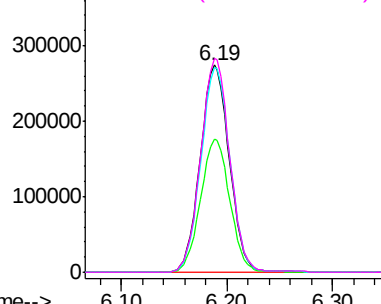


Abundance Ion 95.00 (94.70 to 95.70): VU0

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: 177.090 ug/L

RT: 6.42 min Scan# 1813

Delta R.T. -0.00 min

Lab File: VU025418.D

Acq: 16 Jul 2018 11:38

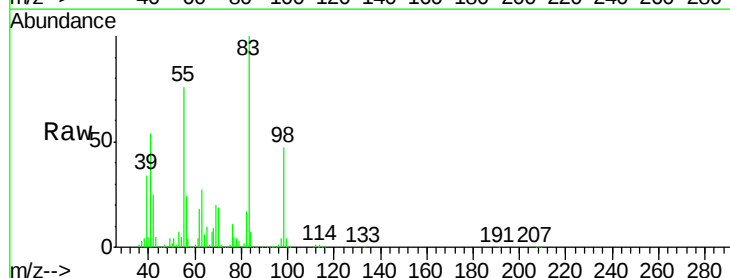
Tgt Ion: 83 Resp: 831017

Ion Ratio Lower Upper

83 100

55 76.8 60.6 90.8

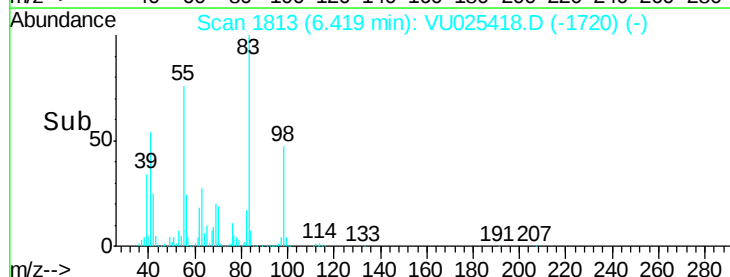
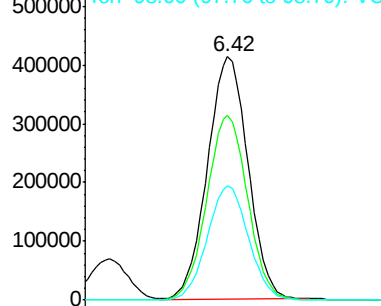
98 47.6 37.6 56.4

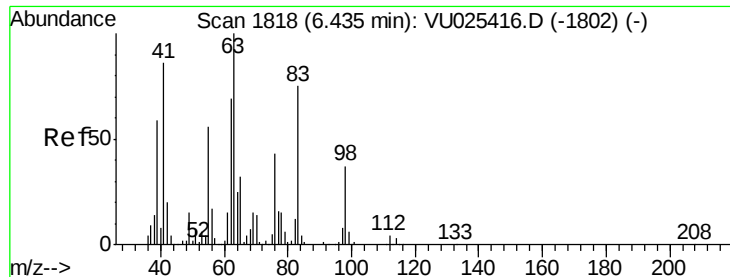


Abundance Ion 83.00 (82.70 to 83.70): VU0

Ion 55.00 (54.70 to 55.70): VU0

Ion 98.00 (97.70 to 98.70): VU0

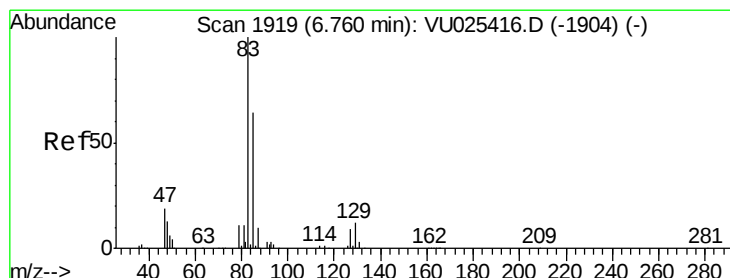
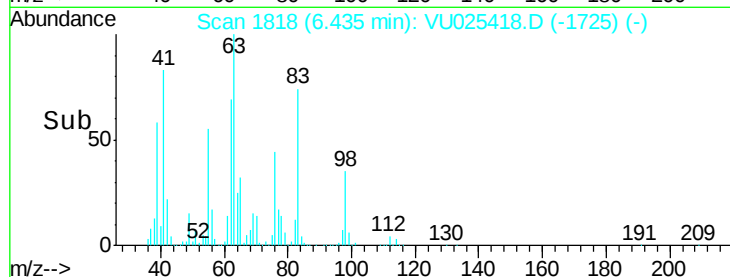
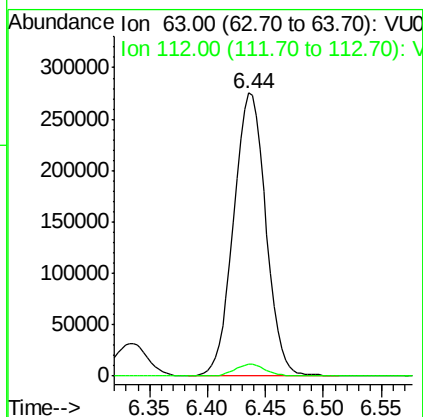
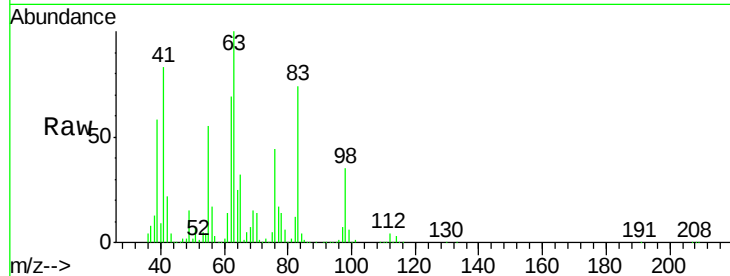




#37
 1,2-Dichloropropane
 Concen: 185.974 ug/L
 RT: 6.44 min Scan# 1818
 Delta R.T. -0.00 min
 Lab File: VU025418.D
 Acq: 16 Jul 2018 11:38

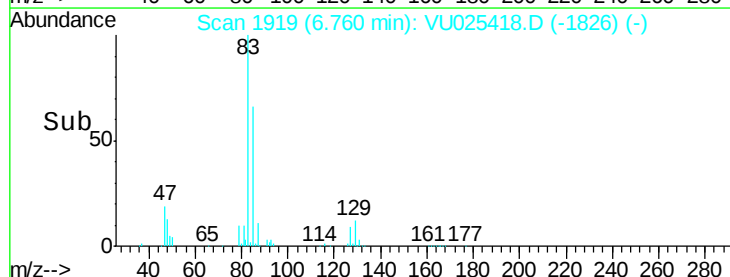
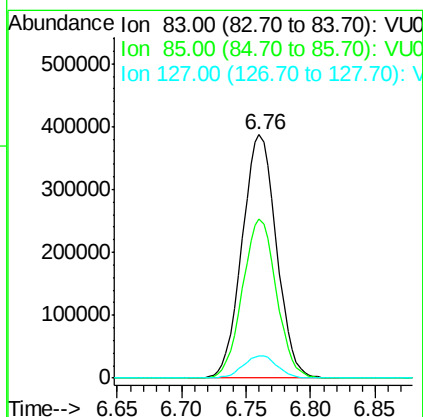
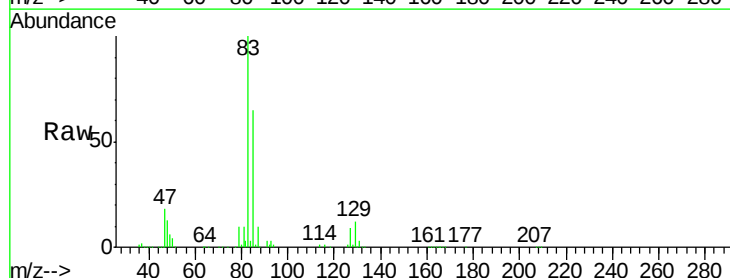
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD20055

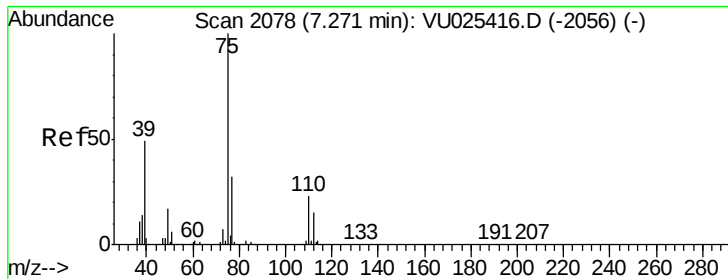
Tgt Ion: 63 Resp: 530669
 Ion Ratio Lower Upper
 63 100
 112 4.1 3.3 4.9



#38
 Bromodichloromethane
 Concen: 190.757 ug/L
 RT: 6.76 min Scan# 1919
 Delta R.T. -0.00 min
 Lab File: VU025418.D
 Acq: 16 Jul 2018 11:38

Tgt Ion: 83 Resp: 717502
 Ion Ratio Lower Upper
 83 100
 85 65.2 45.0 83.6
 127 9.3 7.4 11.0





#39

cis-1,3-Dichloropropene

Concen: 194.411 ug/L

RT: 7.27 min Scan# 2078

Delta R.T. -0.00 min

Lab File: VU025418.D

Acq: 16 Jul 2018 11:38

Instrument :

MSVOA_U

ClientSampled :

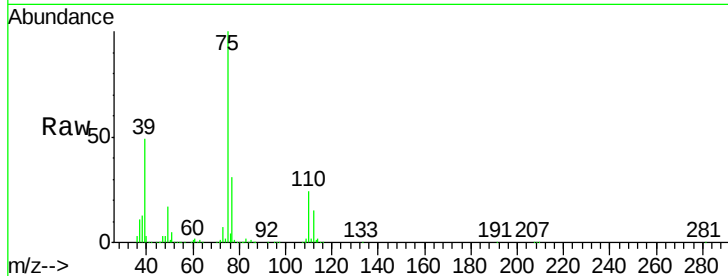
VSTD20055

Tgt Ion: 75 Resp: 872417

Ion Ratio Lower Upper

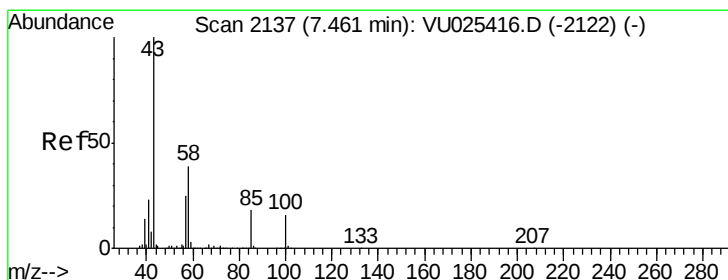
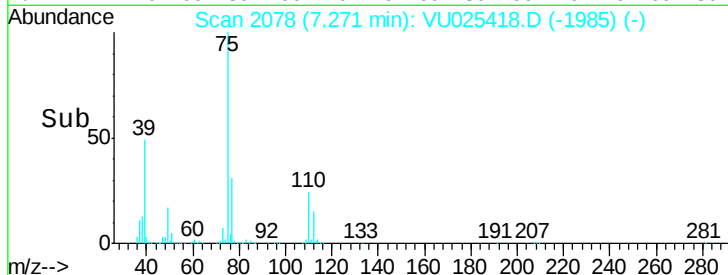
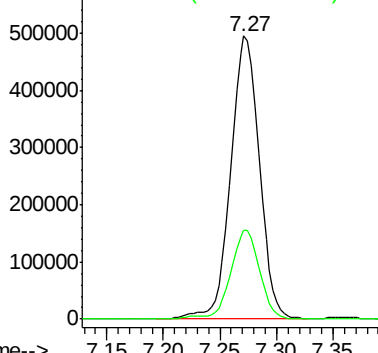
75 100

77 31.4 22.7 42.3



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0



#40

4-Methyl-2-pentanone

Concen: 415.412 ug/L

RT: 7.46 min Scan# 2138

Delta R.T. 0.00 min

Lab File: VU025418.D

Acq: 16 Jul 2018 11:38

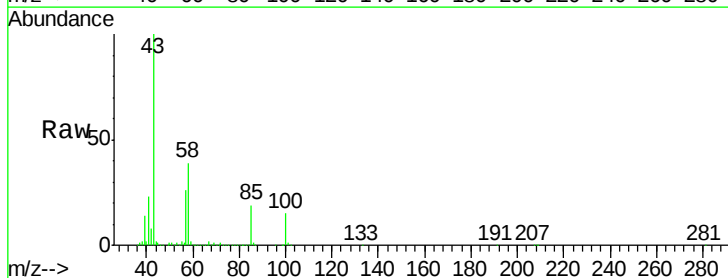
Tgt Ion: 43 Resp: 1734413

Ion Ratio Lower Upper

43 100

58 38.9 31.0 46.4

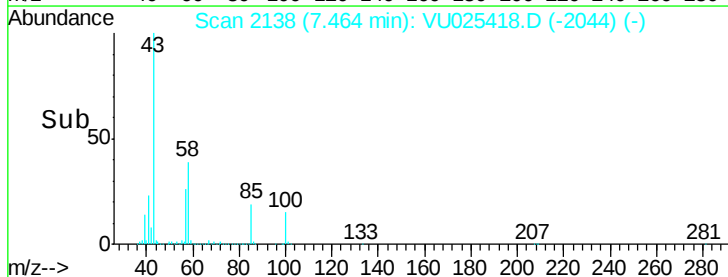
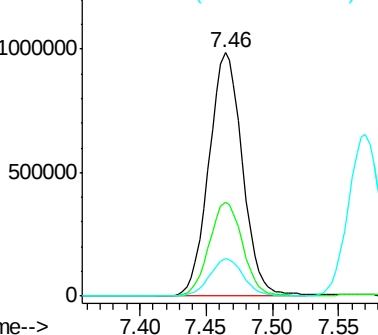
100 15.5 12.5 18.7

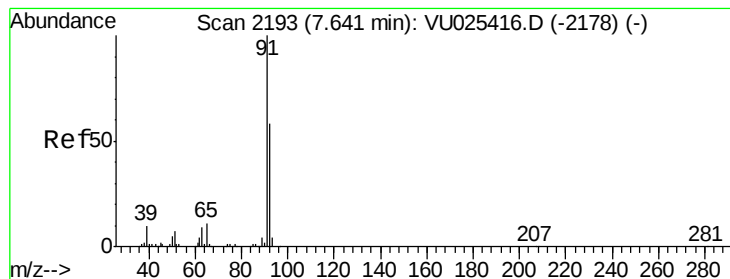


Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0

Ion 100.00 (99.70 to 100.70): VU0





#42

Toluene

Concen: 186.385 ug/L

RT: 7.64 min Scan# 2193

Delta R.T. -0.00 min

Lab File: VU025418.D

Acq: 16 Jul 2018 11:38

Instrument :

MSVOA_U

ClientSampleId :

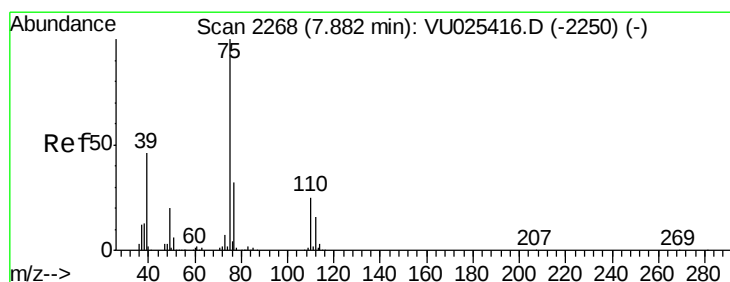
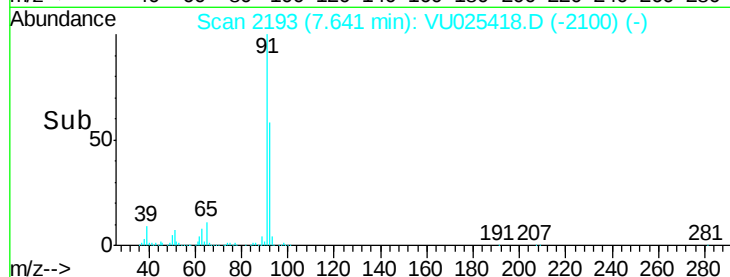
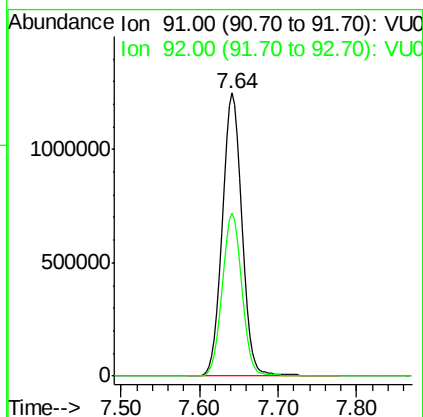
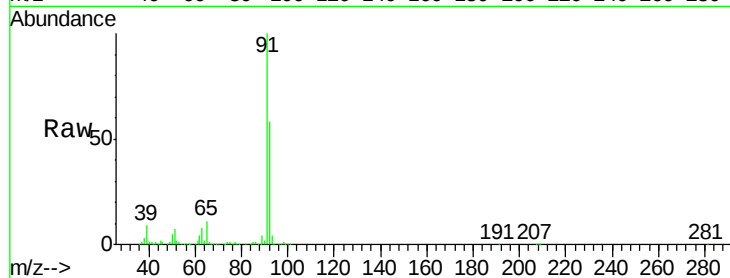
VSTD20055

Tgt Ion: 91 Resp: 2152300

Ion Ratio Lower Upper

91 100

92 57.8 40.7 75.5



#44

trans-1,3-Dichloropropene

Concen: 199.035 ug/L

RT: 7.88 min Scan# 2268

Delta R.T. 0.00 min

Lab File: VU025418.D

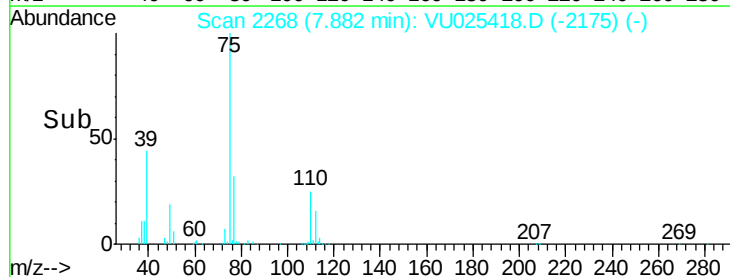
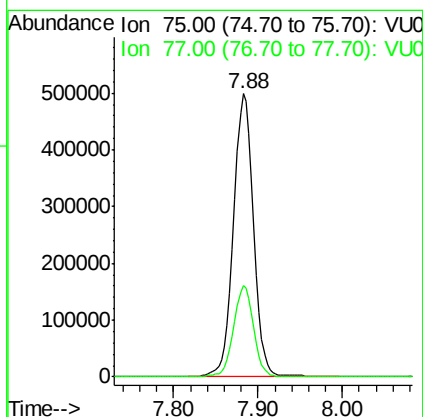
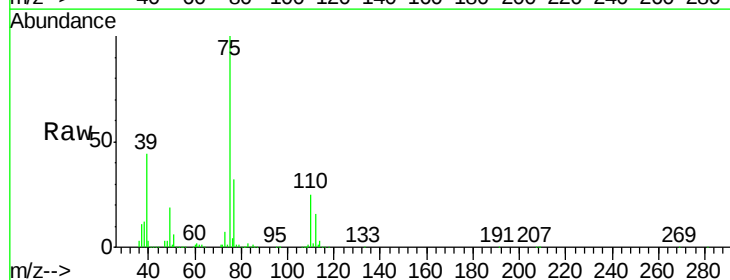
Acq: 16 Jul 2018 11:38

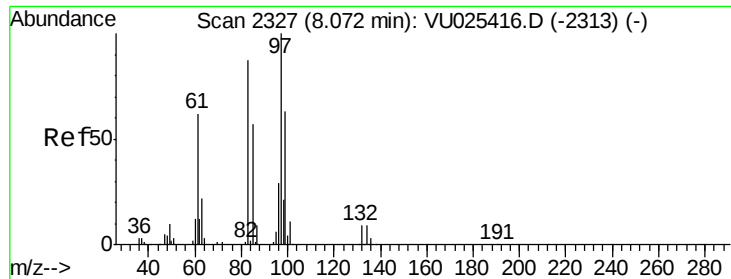
Tgt Ion: 75 Resp: 827720

Ion Ratio Lower Upper

75 100

77 32.3 22.4 41.6

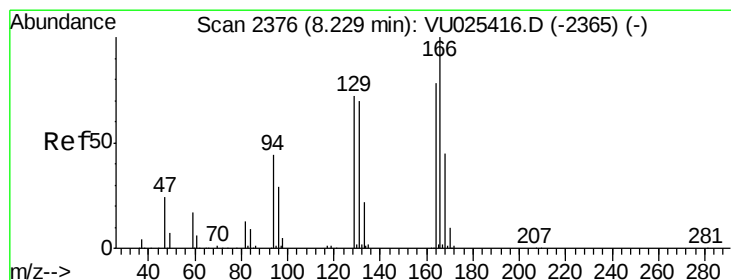
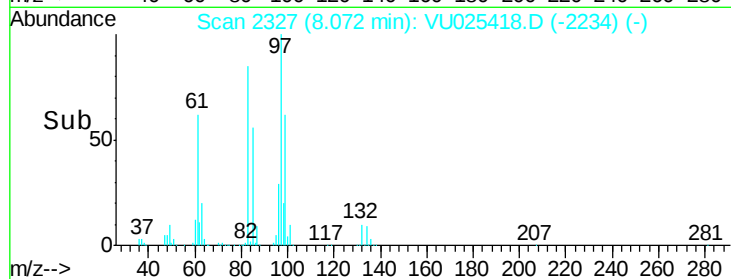
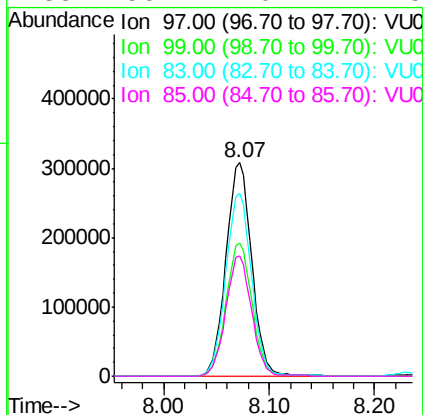
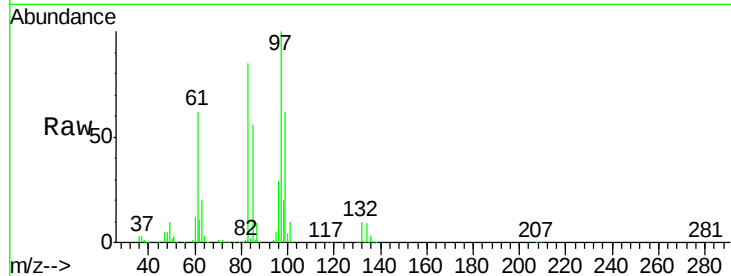




#45
 1,1,2-Trichloroethane
 Concen: 191.528 ug/L
 RT: 8.07 min Scan# 2327
 Delta R.T. -0.00 min
 Lab File: VU025418.D
 Acq: 16 Jul 2018 11:38

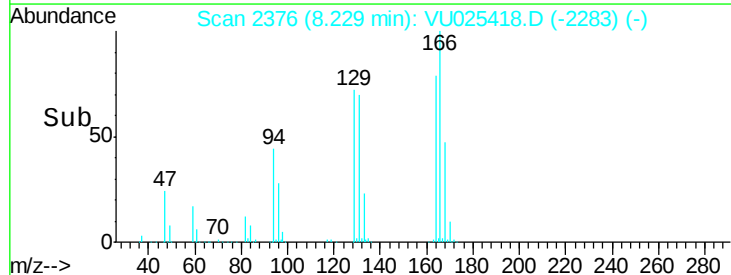
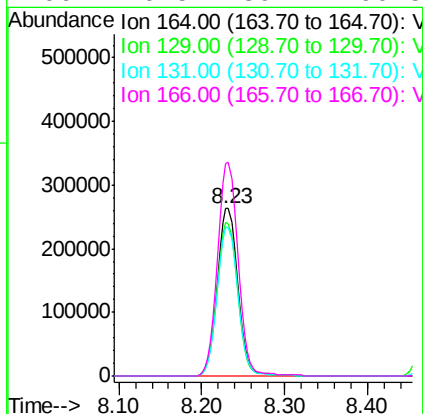
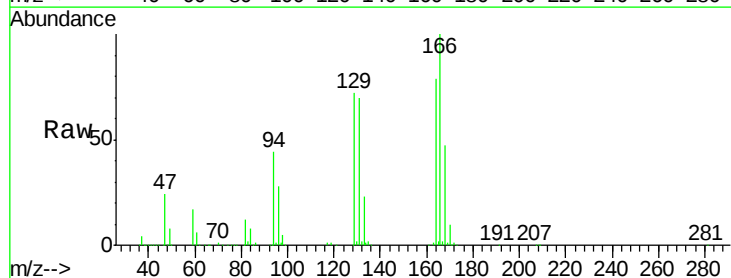
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD20055

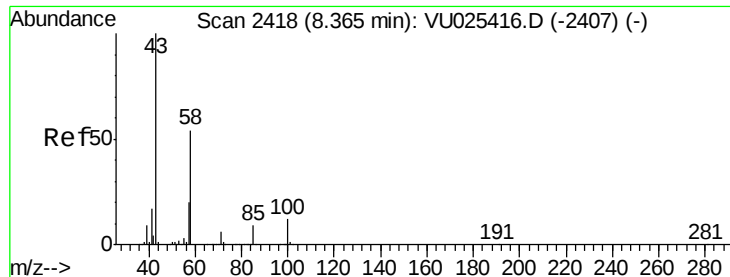
Tgt Ion:	97	Resp:	520541
Ion	Ratio	Lower	Upper
97	100		
99	62.3	44.2	82.2
83	85.5	61.0	113.2
85	56.4	40.1	74.5



#46
 Tetrachloroethene
 Concen: 188.961 ug/L
 RT: 8.23 min Scan# 2376
 Delta R.T. -0.00 min
 Lab File: VU025418.D
 Acq: 16 Jul 2018 11:38

Tgt Ion:	164	Resp:	450686
Ion	Ratio	Lower	Upper
164	100		
129	91.4	64.7	120.1
131	88.4	63.1	117.3
166	126.5	89.7	166.5



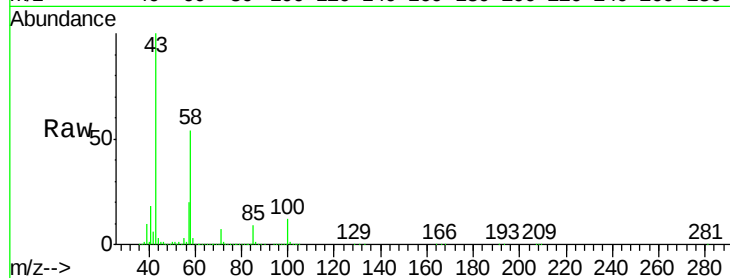


#48
2-Hexanone
Concen: 435.450 ug/L
RT: 8.37 min Scan# 2419
Delta R.T. 0.00 min
Lab File: VU025418.D
Acq: 16 Jul 2018 11:38

Instrument :
MSVOA_U
ClientSampled :
VSTD20055

Tgt Ion: 43 Resp: 1463714

Ion	Ratio	Lower	Upper
43	100		
58	53.5	43.0	64.4
57	19.2	15.8	23.6
100	11.8	9.4	14.0

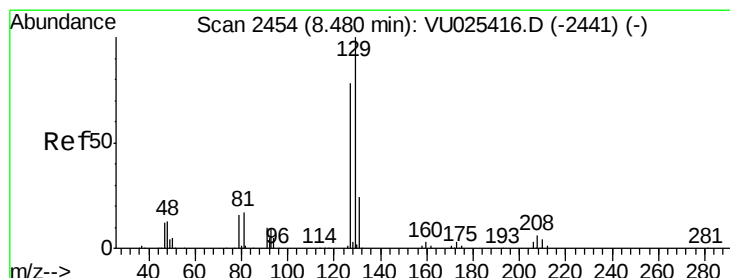
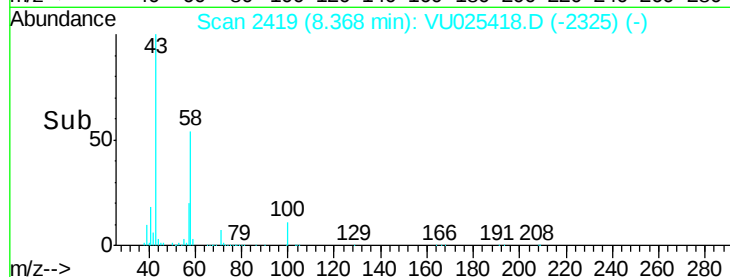
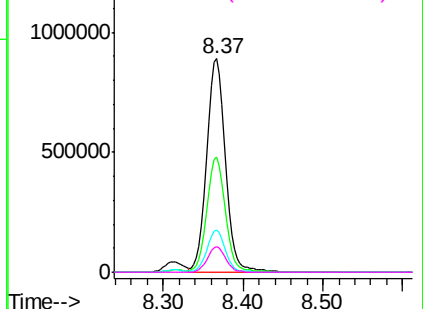


Abundance Ion 43.00 (42.70 to 43.70): VU025418.D (-2407) (-)

Ion 58.00 (57.70 to 58.70): VU025418.D (-2407) (-)

Ion 57.00 (56.70 to 57.70): VU025418.D (-2407) (-)

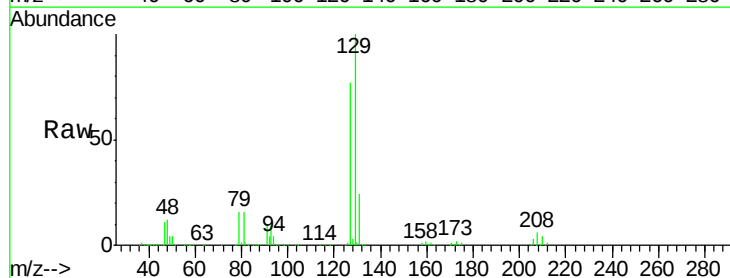
Ion 100.00 (99.70 to 100.70): VU025418.D (-2407) (-)



#49
Dibromochloromethane
Concen: 200.359 ug/L
RT: 8.48 min Scan# 2455
Delta R.T. 0.00 min
Lab File: VU025418.D
Acq: 16 Jul 2018 11:38

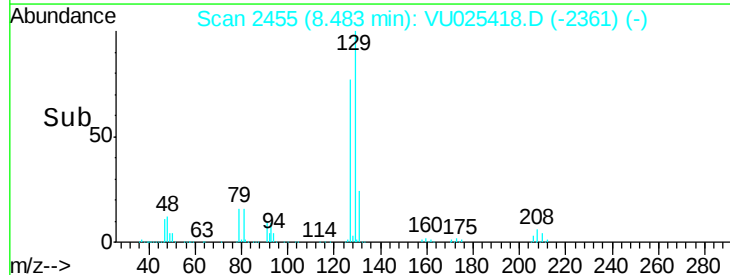
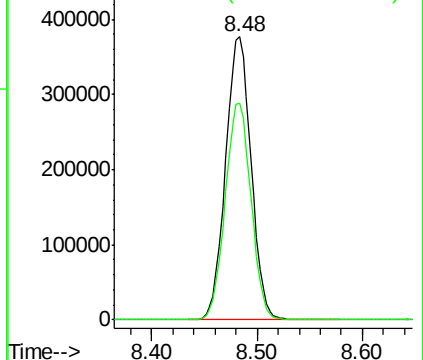
Tgt Ion: 129 Resp: 630609

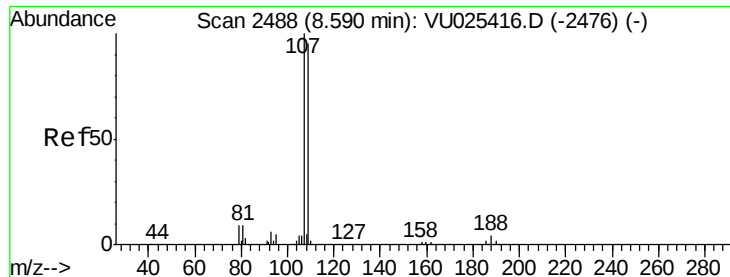
Ion	Ratio	Lower	Upper
129	100		
127	76.8	54.4	101.0



Abundance Ion 129.00 (128.70 to 129.70): VU025418.D (-2441) (-)

Ion 127.00 (126.70 to 127.70): VU025418.D (-2441) (-)

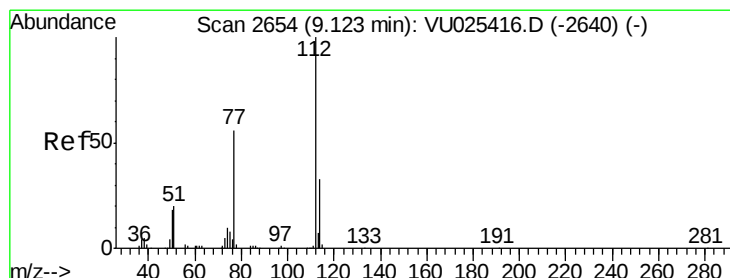
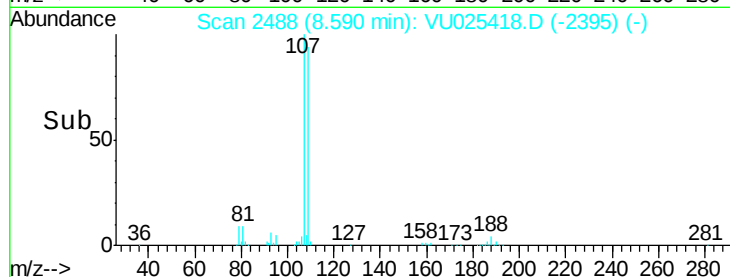
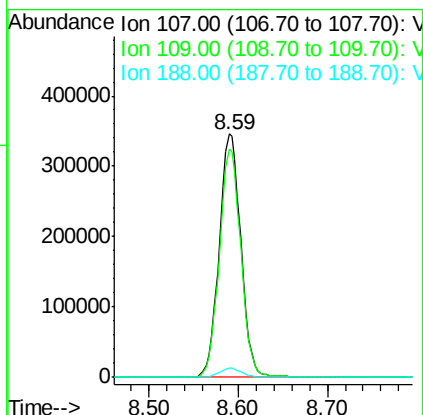
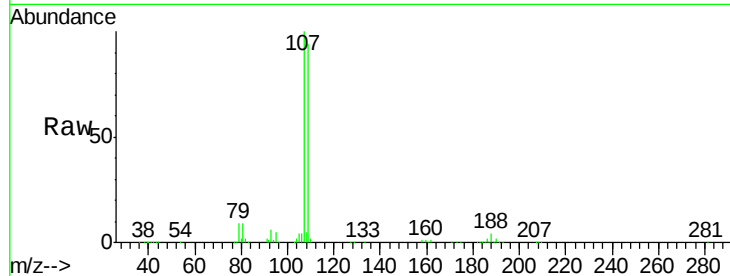




#50
1,2-Dibromoethane
Concen: 191.713 ug/L
RT: 8.59 min Scan# 2488
Delta R.T. 0.00 min
Lab File: VU025418.D
Acq: 16 Jul 2018 11:38

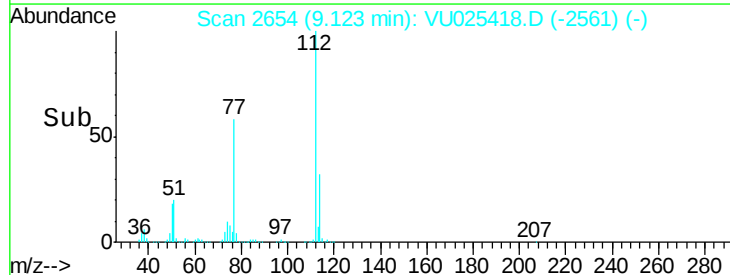
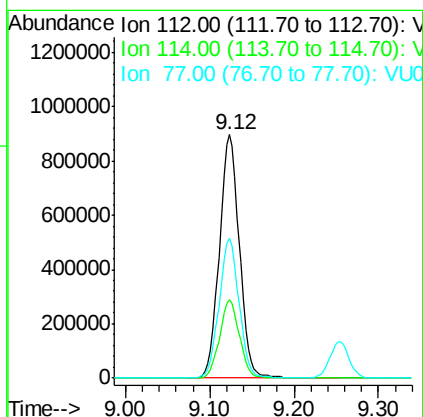
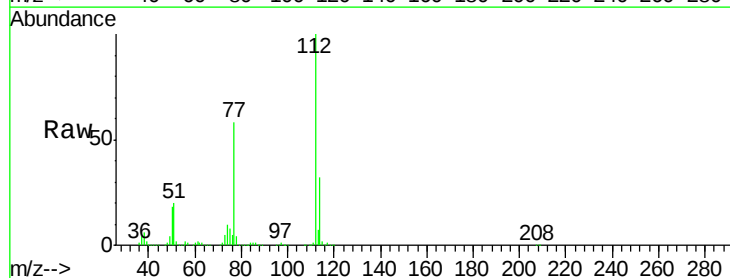
Instrument :
MSVOA_U
ClientSampleId :
VSTD20055

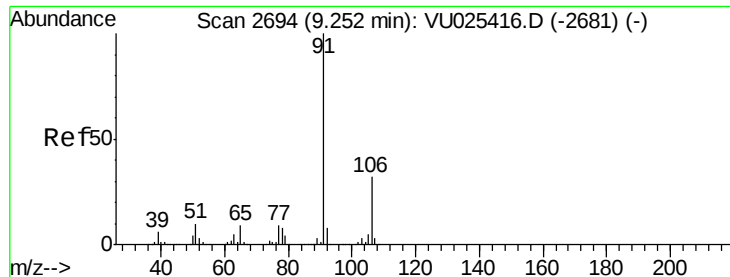
Tgt Ion:107 Resp: 579241
Ion Ratio Lower Upper
107 100
109 93.8 66.8 124.2
188 3.9 3.6 5.4



#51
Chlorobenzene
Concen: 190.427 ug/L
RT: 9.12 min Scan# 2654
Delta R.T. -0.00 min
Lab File: VU025418.D
Acq: 16 Jul 2018 11:38

Tgt Ion:112 Resp: 1470100
Ion Ratio Lower Upper
112 100
114 32.2 22.8 42.4
77 57.5 45.5 68.3





#52

Ethylbenzene

Concen: 191.499 ug/L

RT: 9.26 min Scan# 2695

Delta R.T. 0.00 min

Lab File: VU025418.D

Acq: 16 Jul 2018 11:38

Instrument :

MSVOA_U

ClientSampleId :

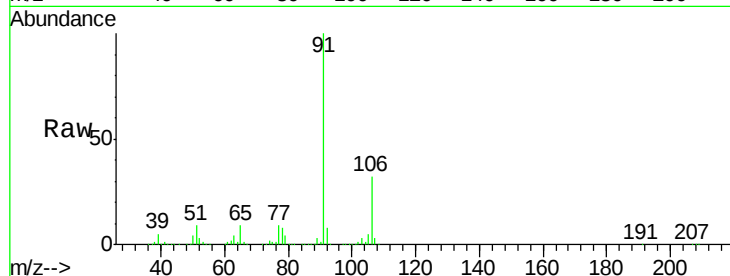
VSTD20055

Tgt Ion: 91 Resp: 2483346

Ion Ratio Lower Upper

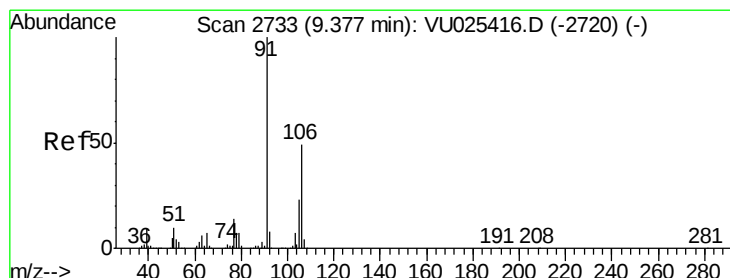
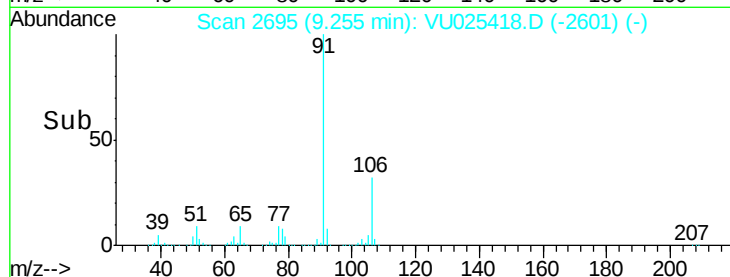
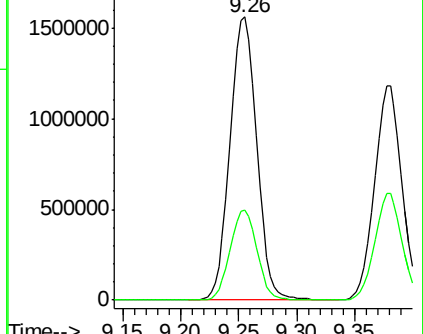
91 100

106 31.9 22.1 41.1



Abundance Ion 91.00 (90.70 to 91.70): VU025418.D (-2601) (-)

Ion 106.00 (105.70 to 106.70): VU025418.D (-2601) (-)



#53

m,p-Xylene

Concen: 193.774 ug/L

RT: 9.38 min Scan# 2734

Delta R.T. 0.00 min

Lab File: VU025418.D

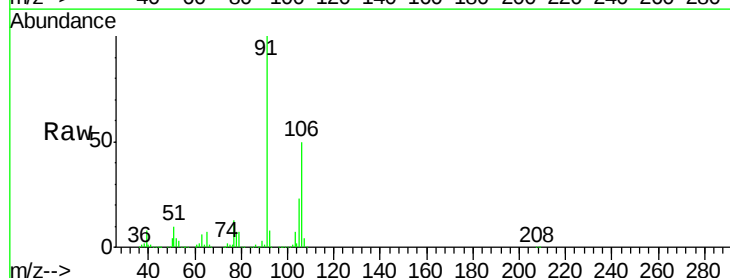
Acq: 16 Jul 2018 11:38

Tgt Ion: 106 Resp: 972810

Ion Ratio Lower Upper

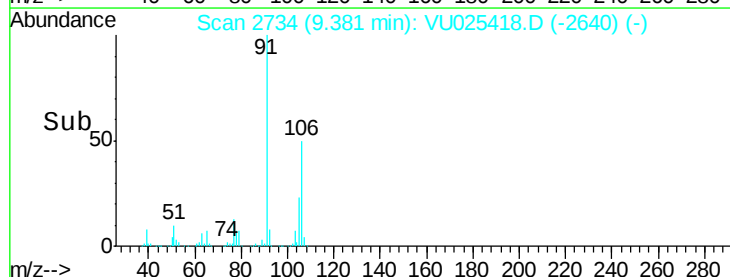
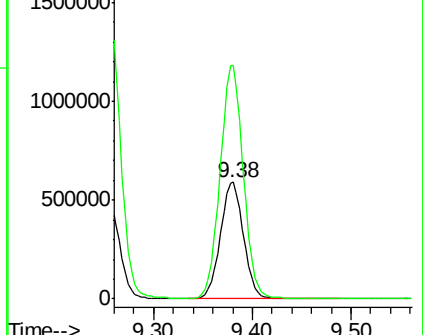
106 100

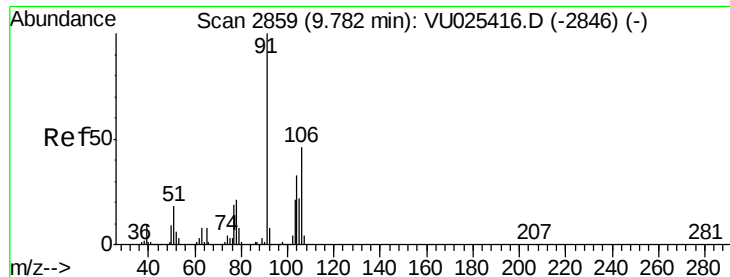
91 200.1 141.8 263.4



Abundance Ion 106.00 (105.70 to 106.70): VU025418.D (-2640) (-)

Ion 91.00 (90.70 to 91.70): VU025418.D (-2640) (-)





#54

o-xylene

Concen: 193.972 ug/L

RT: 9.78 min Scan# 2859

Delta R.T. -0.00 min

Lab File: VU025418.D

Acq: 16 Jul 2018 11:38

Instrument :

MSVOA_U

ClientSampleId :

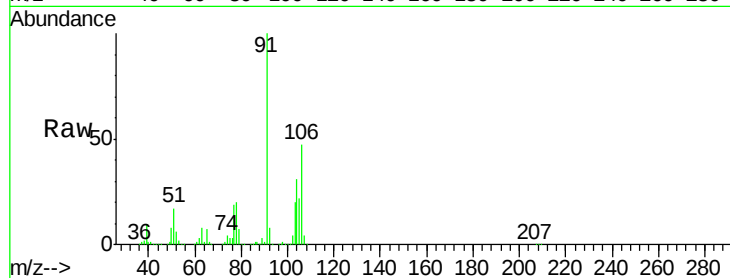
VSTD20055

Tgt Ion:106 Resp: 976026

Ion Ratio Lower Upper

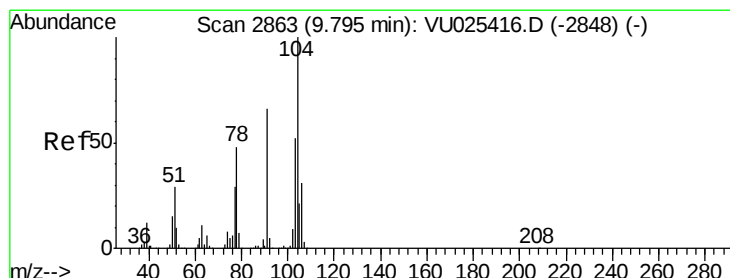
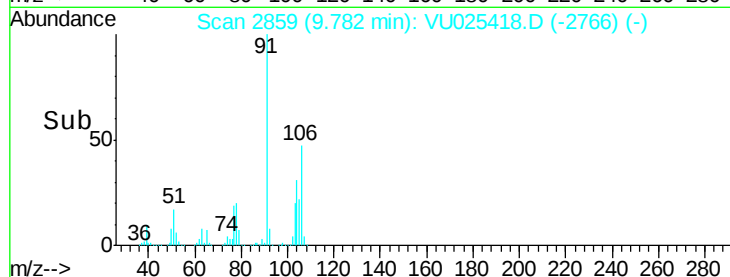
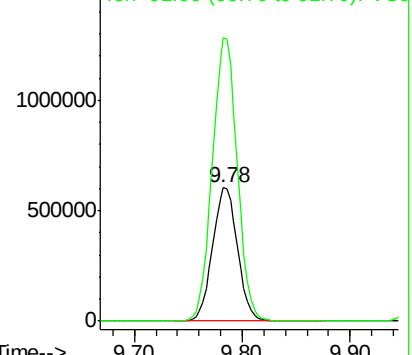
106 100

91 212.0 151.3 281.1



Abundance Ion 106.00 (105.70 to 106.70): V

1500000 Ion 91.00 (90.70 to 91.70): VU0



#55

Styrene

Concen: 203.169 ug/L

RT: 9.80 min Scan# 2863

Delta R.T. -0.00 min

Lab File: VU025418.D

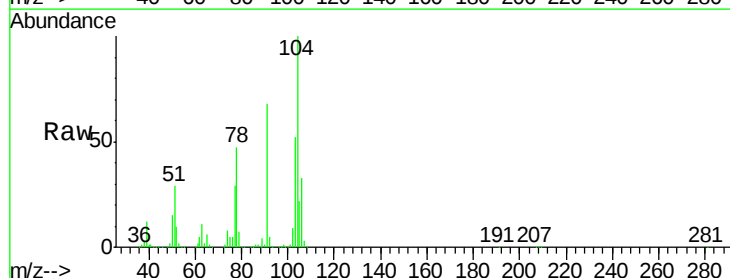
Acq: 16 Jul 2018 11:38

Tgt Ion:104 Resp: 1675121

Ion Ratio Lower Upper

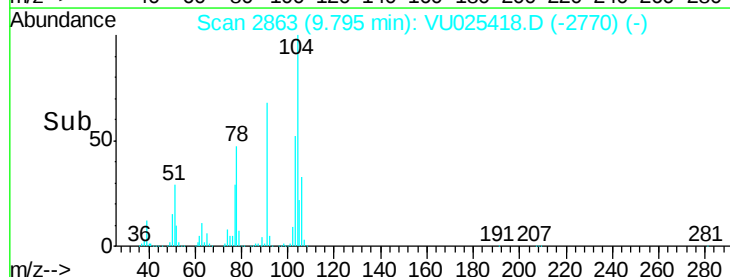
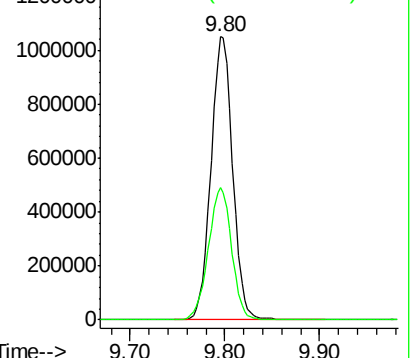
104 100

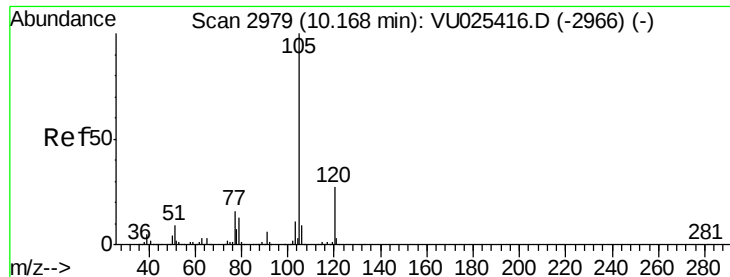
78 46.9 33.7 62.7



Abundance Ion 104.00 (103.70 to 104.70): V

1200000 Ion 78.00 (77.70 to 78.70): VU0





#56

Isopropylbenzene

Concen: 193.540 ug/L

RT: 10.17 min Scan# 2980

Delta R.T. 0.00 min

Lab File: VU025418.D

Acq: 16 Jul 2018 11:38

Instrument :

MSVOA_U

ClientSampleId :

VSTD20055

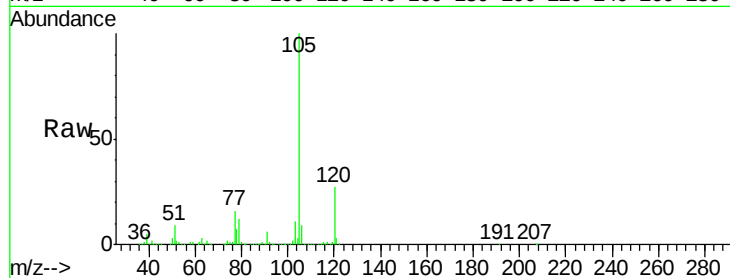
Tgt Ion:105 Resp: 2553997

Ion Ratio Lower Upper

105 100

120 27.3 21.7 32.5

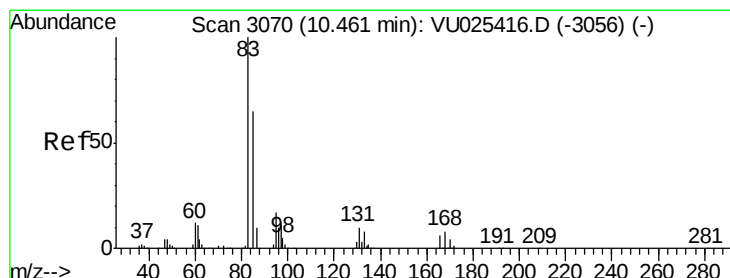
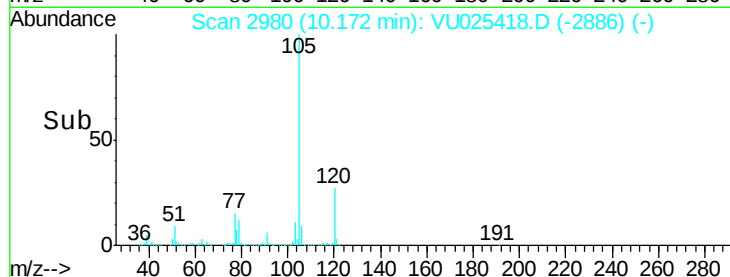
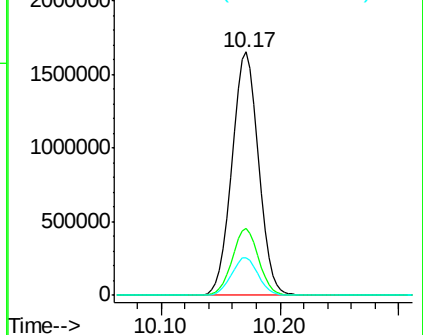
77 15.6 12.6 19.0



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: 208.042 ug/L

RT: 10.46 min Scan# 3070

Delta R.T. -0.00 min

Lab File: VU025418.D

Acq: 16 Jul 2018 11:38

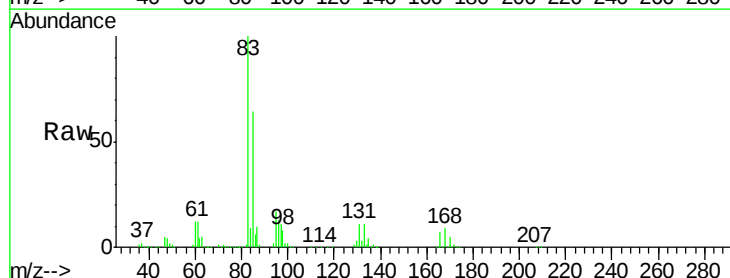
Tgt Ion: 83 Resp: 956334

Ion Ratio Lower Upper

83 100

85 64.1 45.9 85.3

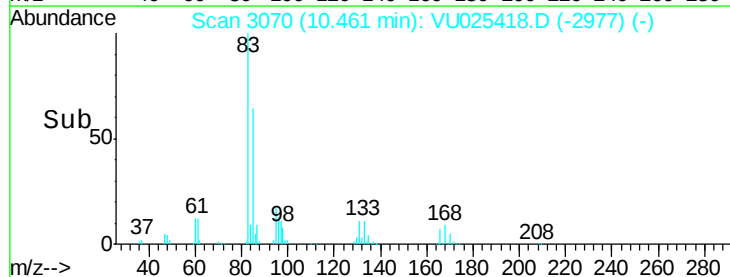
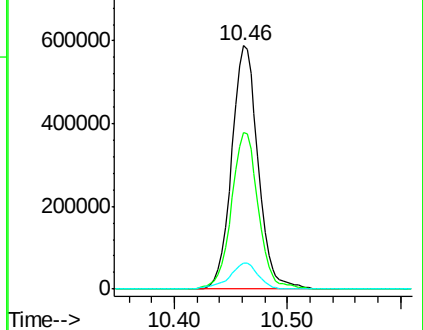
131 10.5 8.6 13.0

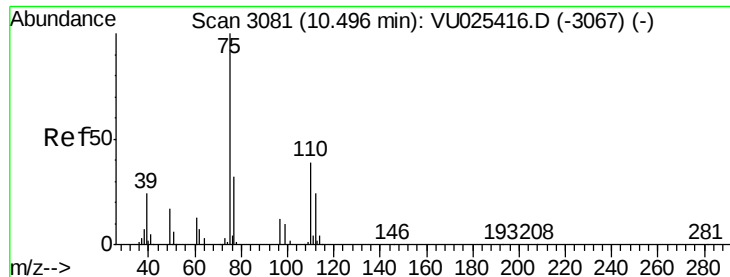


Abundance Ion 83.00 (82.70 to 83.70): V

Ion 85.00 (84.70 to 85.70): V

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 206.134 ug/L

RT: 10.50 min Scan# 3082

Delta R.T. 0.00 min

Lab File: VU025418.D

Acq: 16 Jul 2018 11:38

Instrument :

MSVOA_U

ClientSampleId :

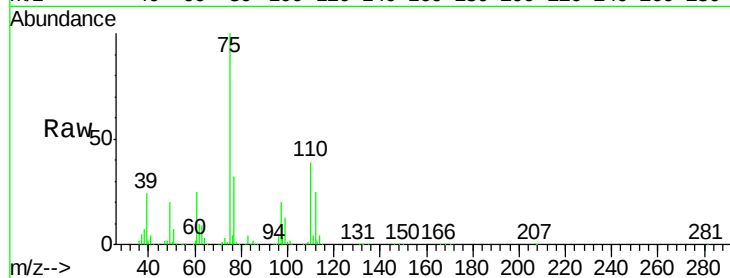
VSTD20055

Tgt Ion: 75 Resp: 771834

Ion Ratio Lower Upper

75 100

77 32.2 25.7 38.5



Abundance Ion 75.00 (74.70 to 75.70): VU025418.D (-3067) (-)

Ion 77.00 (76.70 to 77.70): VU025418.D (-3067) (-)

10.50

500000

400000

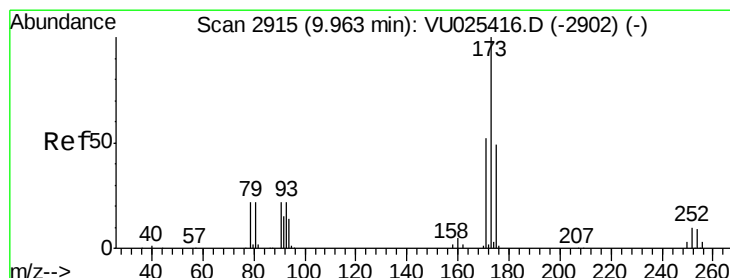
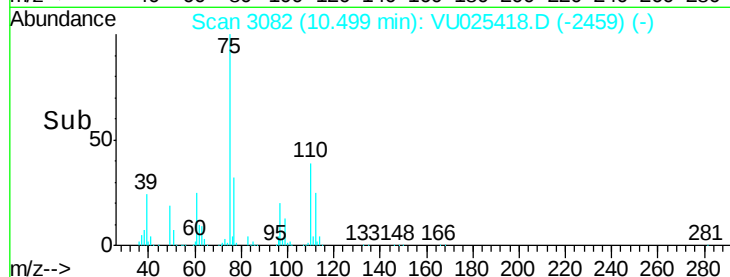
300000

200000

100000

0

Time--> 10.40 10.50 10.60



#61

Bromoform

Concen: 189.815 ug/L

RT: 9.96 min Scan# 2915

Delta R.T. -0.00 min

Lab File: VU025418.D

Acq: 16 Jul 2018 11:38

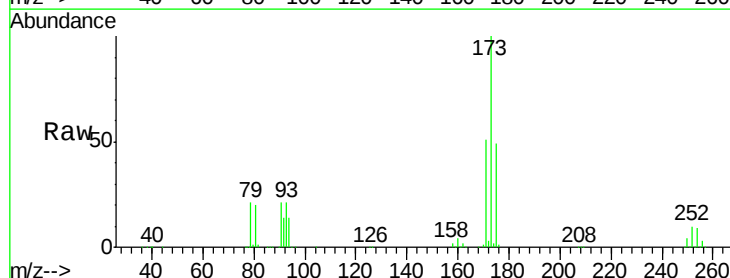
Tgt Ion: 173 Resp: 479591

Ion Ratio Lower Upper

173 100

175 48.7 38.2 57.2

254 9.7 7.4 11.0



Abundance Ion 173.00 (172.70 to 173.70): VU025418.D (-2902) (-)

Ion 175.00 (174.70 to 175.70): VU025418.D (-2902) (-)

Ion 254.00 (253.70 to 254.70): VU025418.D (-2902) (-)

9.96

400000

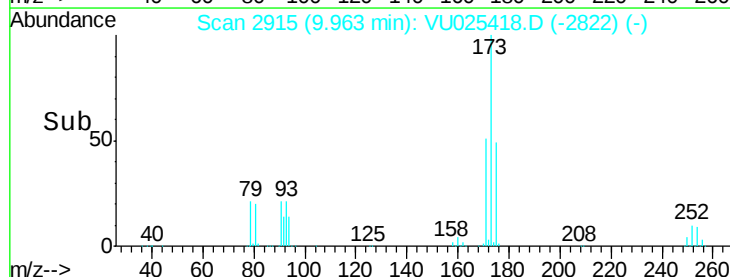
300000

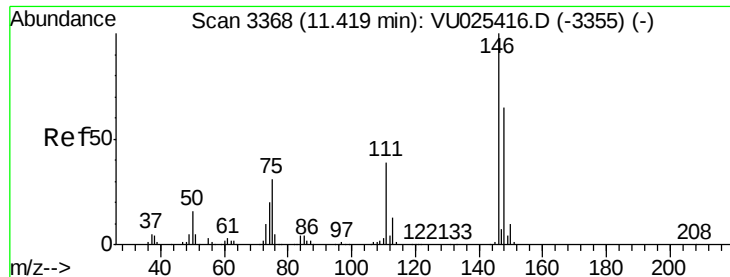
200000

100000

0

Time--> 9.90 10.00





#62

1,3-Dichlorobenzene

Concen: 192.675 ug/L

RT: 11.42 min Scan# 3369

Delta R.T. 0.00 min

Lab File: VU025418.D

Acq: 16 Jul 2018 11:38

Instrument :

MSVOA_U

ClientSampleId :

VSTD20055

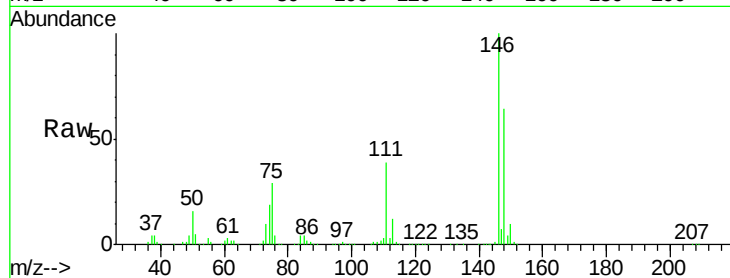
Tgt Ion:146 Resp: 1271083

Ion Ratio Lower Upper

146 100

111 39.2 27.4 51.0

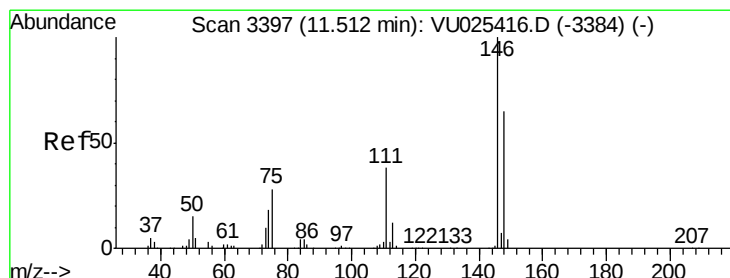
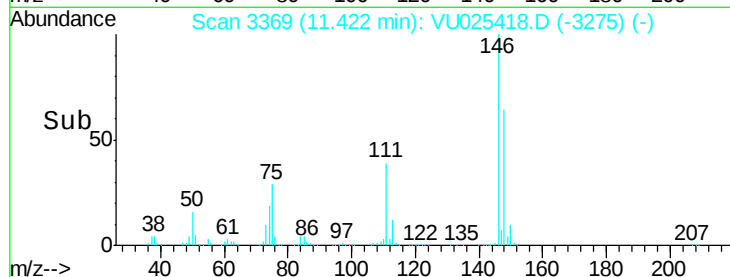
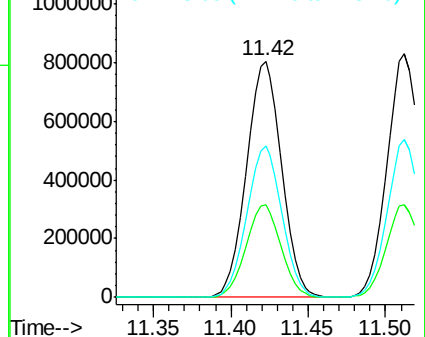
148 64.0 45.1 83.9



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: 191.279 ug/L

RT: 11.51 min Scan# 3397

Delta R.T. -0.00 min

Lab File: VU025418.D

Acq: 16 Jul 2018 11:38

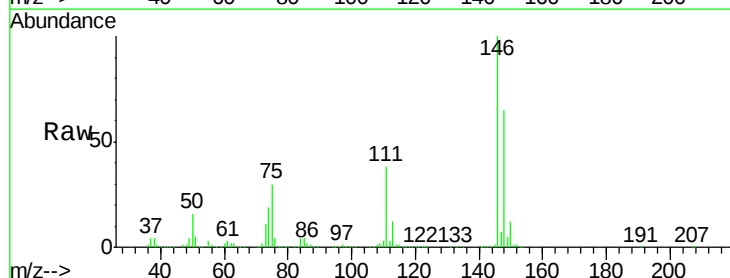
Tgt Ion:146 Resp: 1266828

Ion Ratio Lower Upper

146 100

111 38.0 26.6 49.4

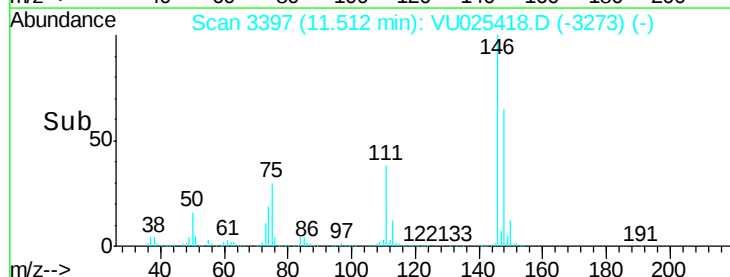
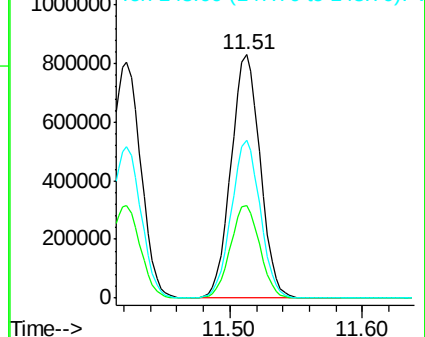
148 64.8 45.6 84.6

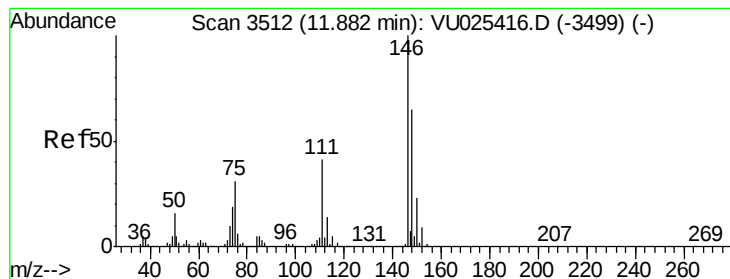


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 186.775 ug/L

RT: 11.89 min Scan# 3513

Delta R.T. 0.00 min

Lab File: VU025418.D

Acq: 16 Jul 2018 11:38

Instrument :

MSVOA_U

ClientSampleId :

VSTD20055

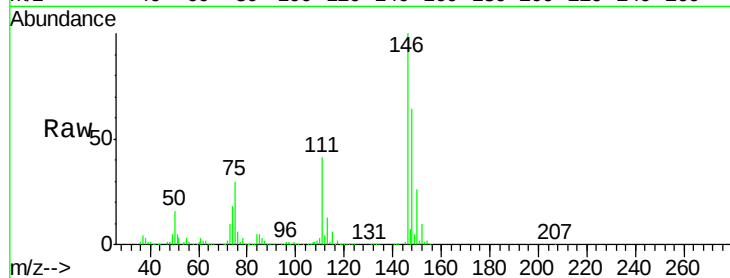
Tgt Ion:146 Resp: 1297411

Ion Ratio Lower Upper

146 100

111 40.9 33.0 49.4

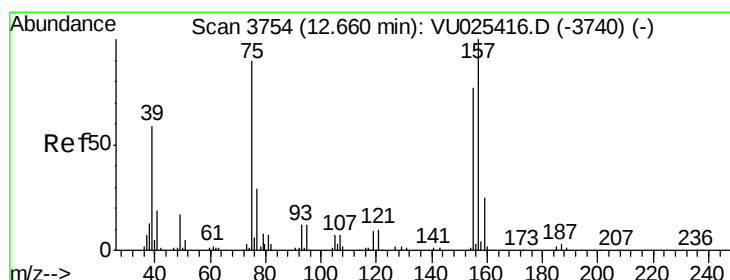
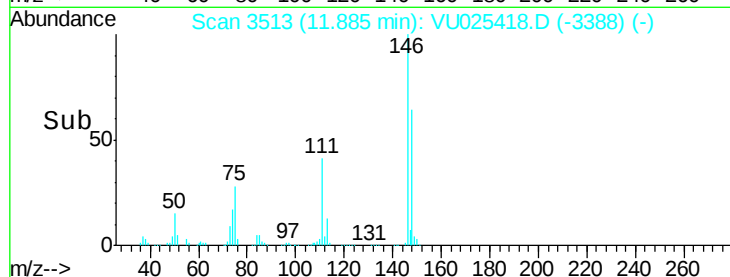
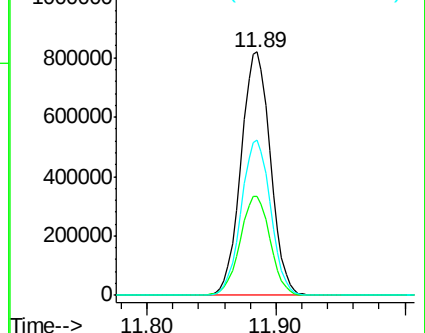
148 63.6 51.8 77.6



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: 205.927 ug/L

RT: 12.66 min Scan# 3754

Delta R.T. -0.00 min

Lab File: VU025418.D

Acq: 16 Jul 2018 11:38

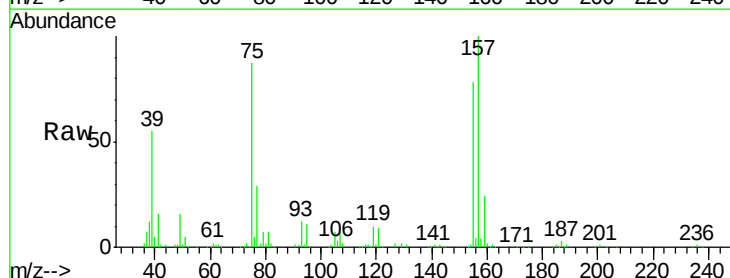
Tgt Ion: 75 Resp: 239842

Ion Ratio Lower Upper

75 100

155 89.8 68.7 103.1

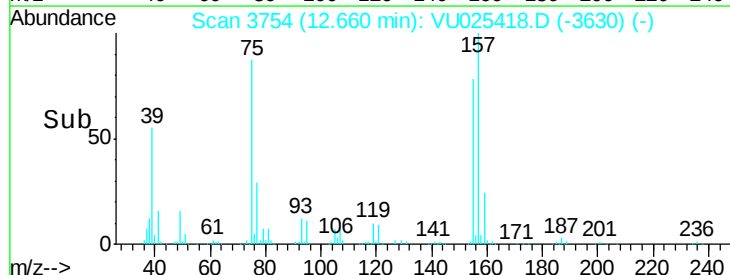
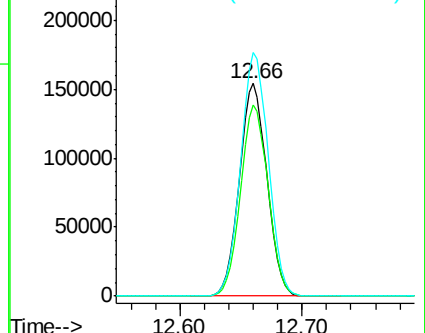
157 114.7 89.0 133.4

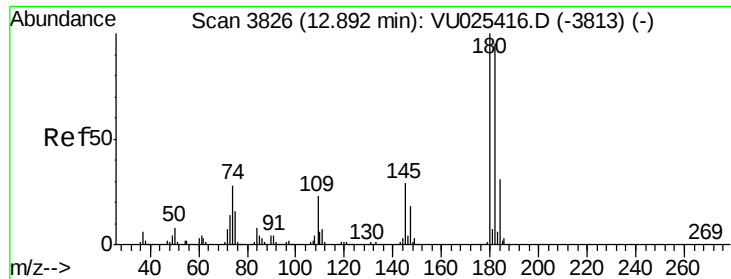


Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

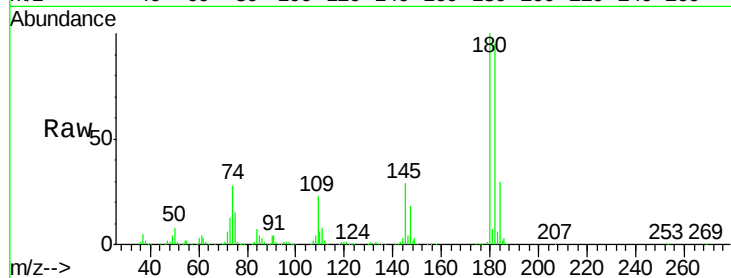




#67
 1,3,5-Trichlorobenzene
 Concen: 198.130 ug/L
 RT: 12.89 min Scan# 3826
 Delta R.T. -0.00 min
 Lab File: VU025418.D
 Acq: 16 Jul 2018 11:38

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD20055

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.9	76.5	114.7
184	30.5	24.6	36.8
145	29.3	23.3	34.9

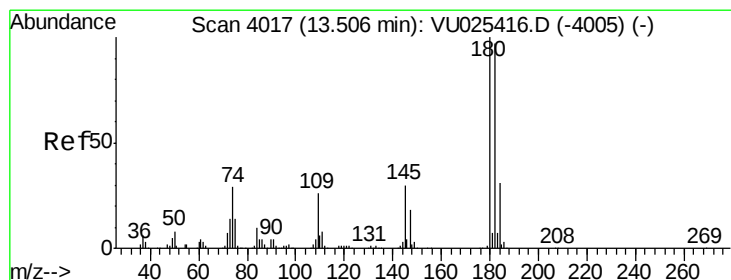
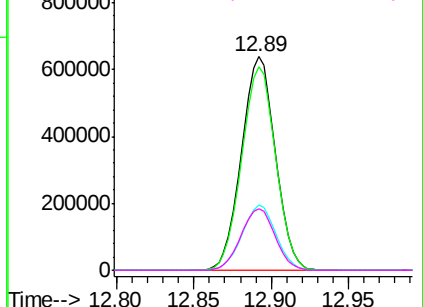
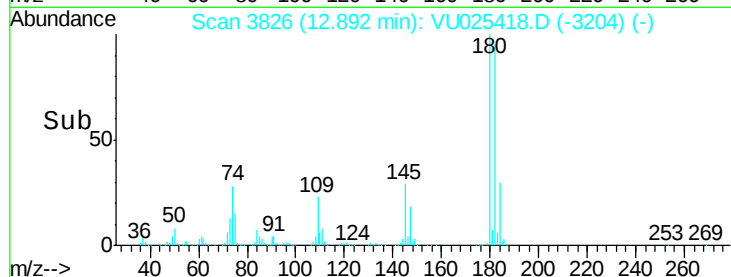


Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

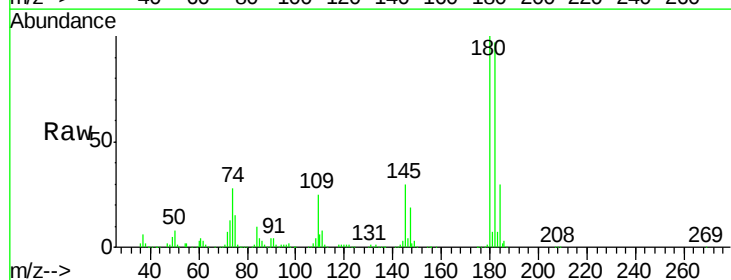
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 210.360 ug/L
 RT: 13.51 min Scan# 4017
 Delta R.T. 0.00 min
 Lab File: VU025418.D
 Acq: 16 Jul 2018 11:38

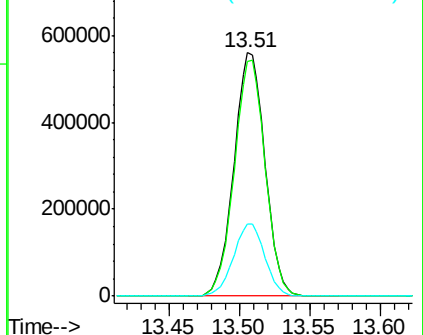
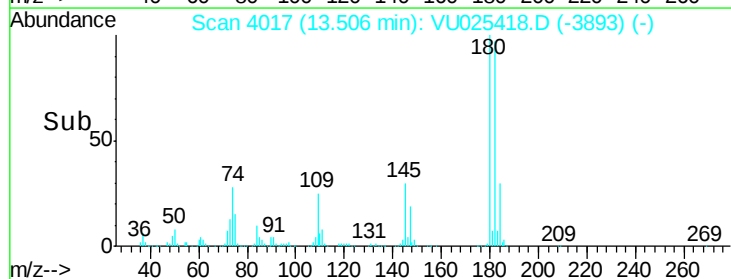
Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.3	77.0	115.6
145	29.8	24.2	36.2

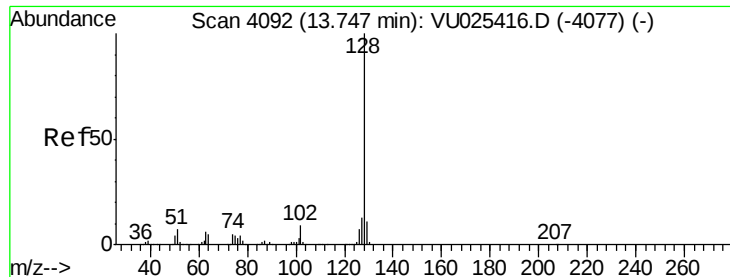


Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V





#69

Naphthalene

Concen: 212.962 ug/L

RT: 13.75 min Scan# 4092

Delta R.T. 0.00 min

Lab File: VU025418.D

Acq: 16 Jul 2018 11:38

Instrument :

MSVOA_U

ClientSampleId :

VSTD20055

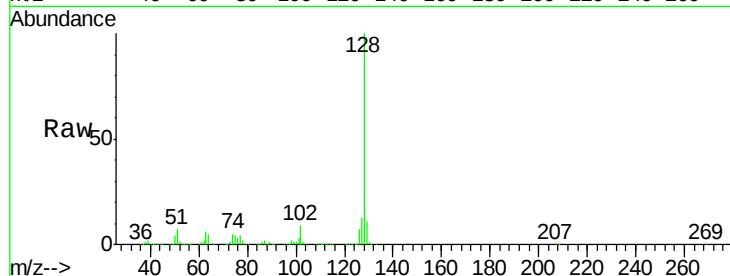
Tgt Ion:128 Resp: 2953116

Ion Ratio Lower Upper

128 100

127 12.9 10.2 15.4

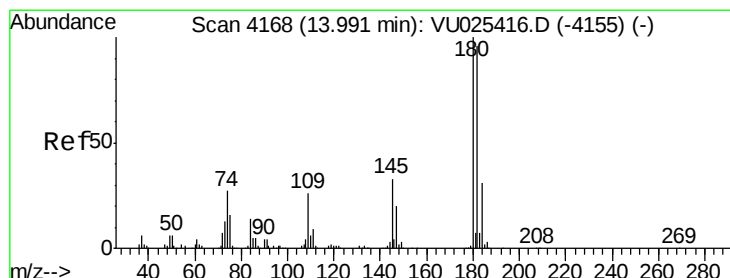
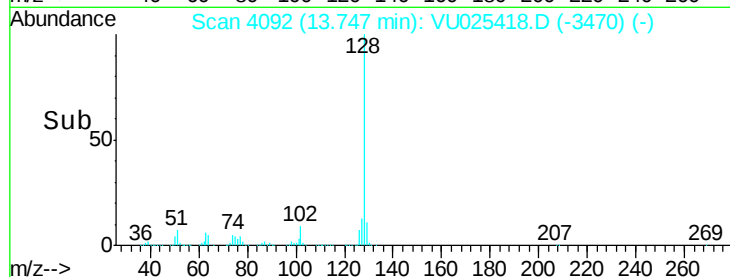
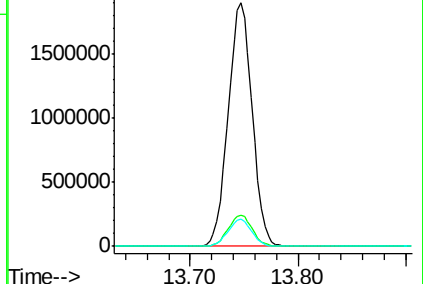
129 11.0 8.6 13.0



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: 203.060 ug/L

RT: 13.99 min Scan# 4168

Delta R.T. -0.00 min

Lab File: VU025418.D

Acq: 16 Jul 2018 11:38

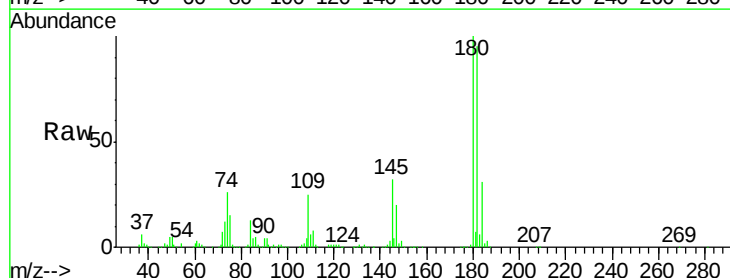
Tgt Ion:180 Resp: 900979

Ion Ratio Lower Upper

180 100

182 95.7 76.2 114.4

145 31.6 25.4 38.2



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

