

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU062918\
 Data File : VU025064.D
 Acq On : 29 Jun 2018 11:46
 Operator : MD/SY
 Sample : VSTD10043
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD10043

Quant Time: Jun 29 23:19:41 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM062918WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Jun 29 23:18:31 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.89	114	366728	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	342538	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.49	152	187311	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	220621	103.96	ug/L	0.00
7) Chloroethane-d5	1.67	69	182022	110.78	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.27	63	483750	112.33	ug/L	0.00
21) 2-Butanone-d5	4.18	46	388545	215.97	ug/L	0.00
24) Chloroform-d	4.65	84	490437	113.52	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.31	65	335293	120.55	ug/L	0.00
32) Benzene-d6	5.35	84	940978	110.59	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.33	67	300573	107.05	ug/L	0.00
41) Toluene-d8	7.57	98	924462	108.09	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.85	79	157386	110.26	ug/L	0.00
47) 2-Hexanone-d5	8.31	63	293233	206.99	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.44	84	443681	108.41	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.86	152	418197	112.74	ug/L	0.00

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	333056	109.898	ug/L	100
3) Chloromethane	1.33	50	271077	101.653	ug/L	99
5) Vinyl chloride	1.40	62	285370	100.120	ug/L	100
6) Bromomethane	1.62	94	164149	118.224	ug/L	95
8) Chloroethane	1.69	64	171714	101.782	ug/L	98
9) Trichlorofluoromethane	1.89	101	411099	97.842	ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.29	101	244732	102.411	ug/L	100
12) 1,1-Dichloroethene	2.28	96	226609	103.447	ug/L	93
13) Acetone	2.32	43	355598	186.904	ug/L	99
14) Carbon disulfide	2.48	76	692684	98.353	ug/L	100
15) Methyl Acetate	2.62	43	286929	99.008	ug/L	100
16) Methylene chloride	2.70	84	264648	98.901	ug/L	99
17) trans-1,2-Dichloroethene	2.99	96	243860	99.367	ug/L	99
18) Methyl tert-butyl Ether	3.00	73	847434	104.321	ug/L	100
19) 1,1-Dichloroethane	3.45	63	466328	102.134	ug/L	99
20) cis-1,2-Dichloroethene	4.23	96	280461	97.904	ug/L	98
22) 2-Butanone	4.26	43	453887	189.537	ug/L	98
23) Bromochloromethane	4.55	128	146091	101.523	ug/L	96
25) Chloroform	4.68	83	494235	104.097	ug/L	100
27) 1,2-Dichloroethane	5.41	62	416148	112.082	ug/L	100
29) Cyclohexane	5.00	56	434708	102.043	ug/L	100
30) 1,1,1-Trichloroethane	4.92	97	449337	105.942	ug/L	100
31) Carbon tetrachloride	5.14	117	407935	105.798	ug/L	100
33) Benzene	5.39	78	1035013	102.277	ug/L	100
34) Trichloroethene	6.19	95	276098	99.195	ug/L	99
35) Methylcyclohexane	6.42	83	456201	101.825	ug/L	99
37) 1,2-Dichloropropane	6.44	63	274538	97.975	ug/L	100
38) Bromodichloromethane	6.76	83	373902	101.201	ug/L	99
39) cis-1,3-Dichloropropene	7.27	75	447129	100.955	ug/L	98
40) 4-Methyl-2-pentanone	7.46	43	805918	194.446	ug/L	100

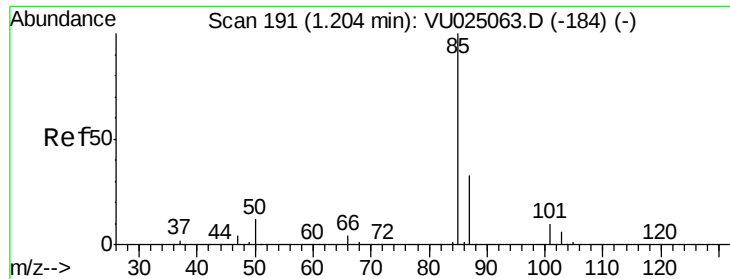
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU062918\
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 Quant Title : VOC Analysis
 QLast Update : Fri Jun 29 23:18:31 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.64	91	1145476	101.937	ug/L	98
44) trans-1,3-Dichloropropene	7.88	75	416024	103.421	ug/L	99
45) 1,1,2-Trichloroethane	8.07	97	265725	100.451	ug/L	99
46) Tetrachloroethene	8.23	164	236393	101.140	ug/L	99
48) 2-Hexanone	8.36	43	662997	197.888	ug/L	99
49) Dibromochloromethane	8.48	129	325058	101.426	ug/L	99
50) 1,2-Dibromoethane	8.59	107	293276	101.289	ug/L	98
51) Chlorobenzene	9.12	112	755878	100.871	ug/L	99
52) Ethylbenzene	9.25	91	1302758	101.369	ug/L	100
53) m,p-Xylene	9.38	106	507280	102.560	ug/L	98
54) o-xylene	9.78	106	504228	102.846	ug/L	99
55) Styrene	9.80	104	857223	103.906	ug/L	100
56) Isopropylbenzene	10.17	105	1332334	103.143	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.46	83	448894	99.054	ug/L	99
59) 1,2,3-Trichloropropane	10.50	75	366449	102.297	ug/L	99
61) Bromoform	9.96	173	251588	93.144	ug/L	99
62) 1,3-Dichlorobenzene	11.42	146	633496	100.465	ug/L	99
63) 1,4-Dichlorobenzene	11.51	146	632711	99.898	ug/L	99
65) 1,2-Dichlorobenzene	11.88	146	656713	102.550	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.66	75	117451	105.294	ug/L	98
67) 1,3,5-Trichlorobenzene	12.89	180	486406	98.674	ug/L	100
68) 1,2,4-trichlorobenzene	13.51	180	427452	105.084	ug/L	99
69) Naphthalene	13.74	128	1395014	119.062	ug/L	99
70) 1,2,3-Trichlorobenzene	13.99	180	450775	107.989	ug/L	99

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



#2

Dichlorodifluoromethane

Concen: 109.898 ug/L

RT: 1.20 min Scan# 191

Delta R.T. -0.00 min

Lab File: VU025064.D

Acq: 29 Jun 2018 11:46

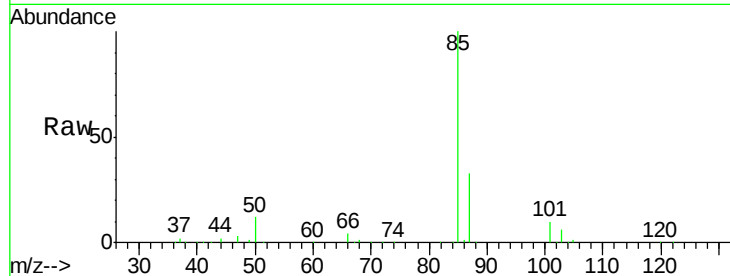
Instrument :
MSVOA_U
ClientSampleId :
VSTD10043

Tgt Ion: 85 Resp: 333056

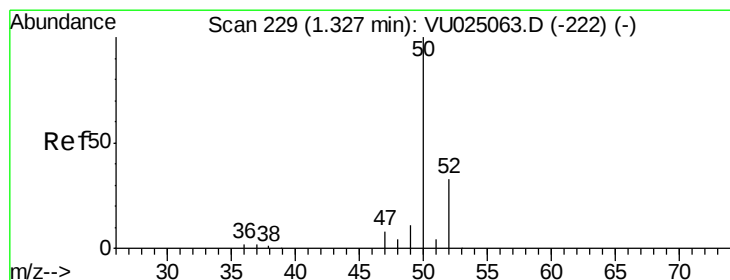
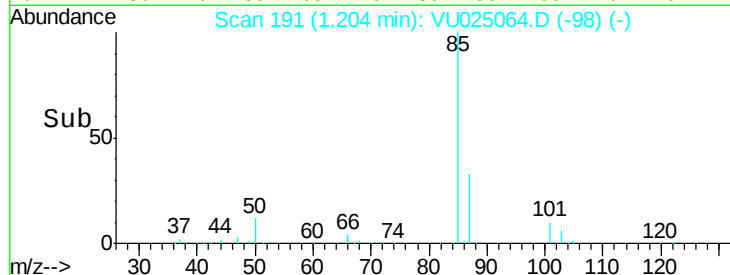
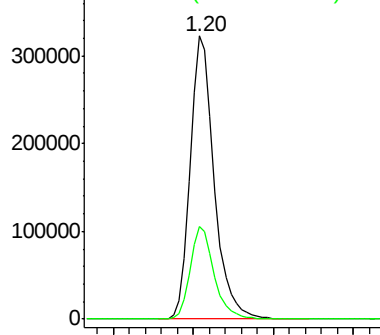
Ion Ratio Lower Upper

85 100

87 32.5 26.1 39.1



Abundance Ion 85.00 (84.70 to 85.70): VU0
Ion 87.00 (86.70 to 87.70): VU0



#3

Chloromethane

Concen: 101.653 ug/L

RT: 1.33 min Scan# 229

Delta R.T. -0.00 min

Lab File: VU025064.D

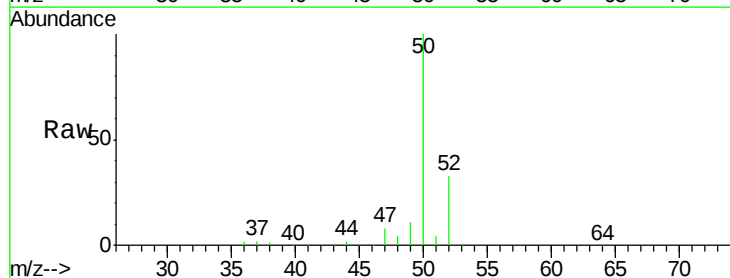
Acq: 29 Jun 2018 11:46

Tgt Ion: 50 Resp: 271077

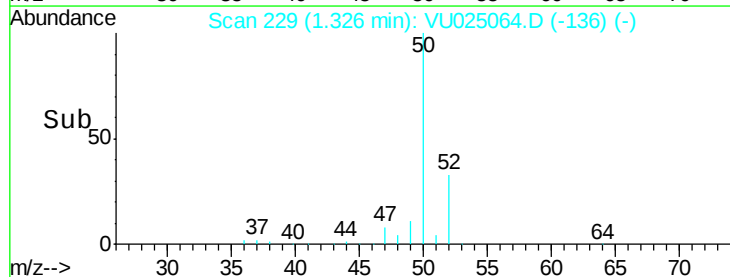
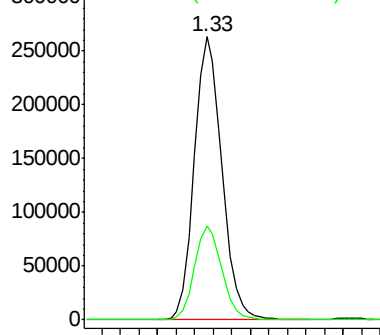
Ion Ratio Lower Upper

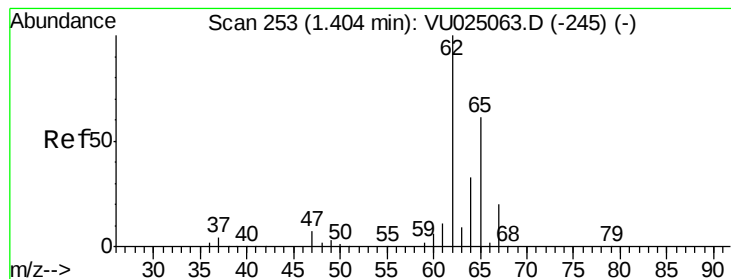
50 100

52 33.3 23.1 42.9



Abundance Ion 50.00 (49.70 to 50.70): VU0
Ion 52.00 (51.70 to 52.70): VU0





#5

Vinyl chloride

Concen: 100.120 ug/L

RT: 1.40 min Scan# 253

Delta R.T. -0.00 min

Lab File: VU025064.D

Acq: 29 Jun 2018 11:46

Instrument :

MSVOA_U

ClientSampleId :

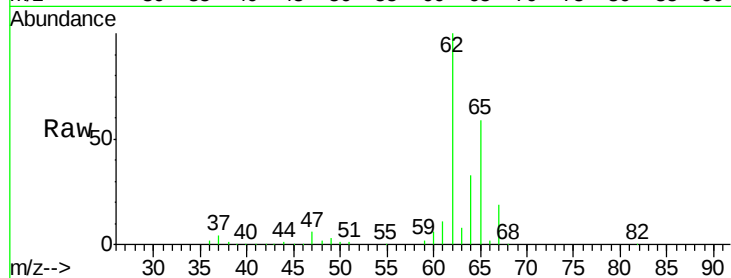
VSTD10043

Tgt Ion: 62 Resp: 285370

Ion Ratio Lower Upper

62 100

64 32.7 23.0 42.8



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 64.00 (63.70 to 64.70): VU0

1.40

250000

200000

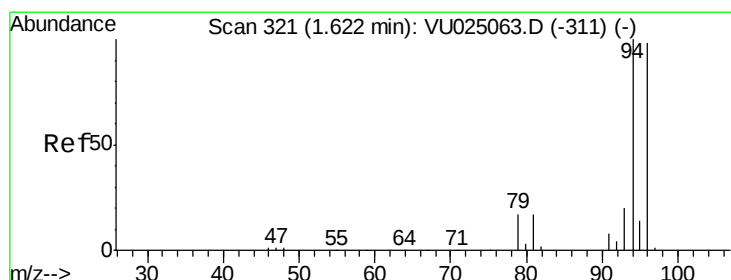
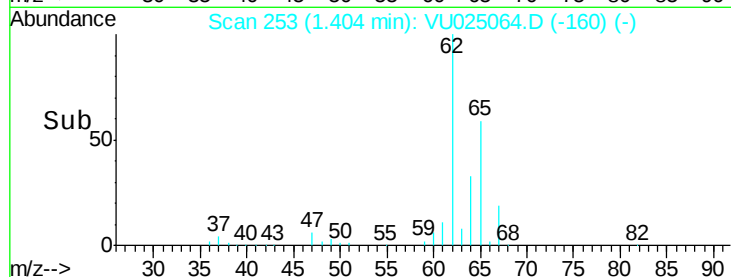
150000

100000

50000

0

Time--> 1.35 1.40 1.45 1.50



#6

Bromomethane

Concen: 118.224 ug/L

RT: 1.62 min Scan# 319

Delta R.T. -0.01 min

Lab File: VU025064.D

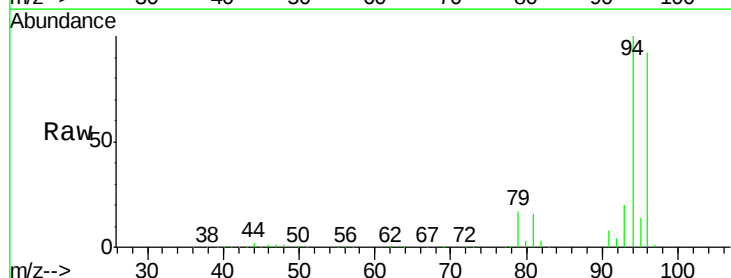
Acq: 29 Jun 2018 11:46

Tgt Ion: 94 Resp: 164149

Ion Ratio Lower Upper

94 100

96 92.3 68.4 127.0



Abundance Ion 94.00 (93.70 to 94.70): VU0

Ion 96.00 (95.70 to 96.70): VU0

1.62

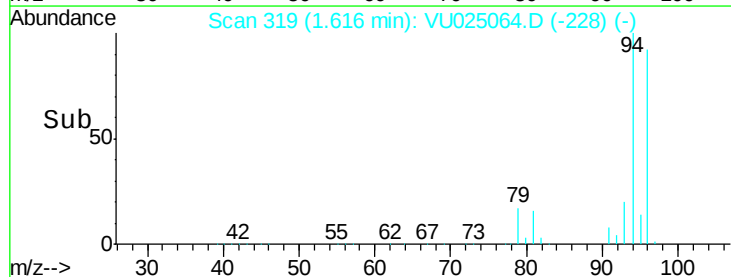
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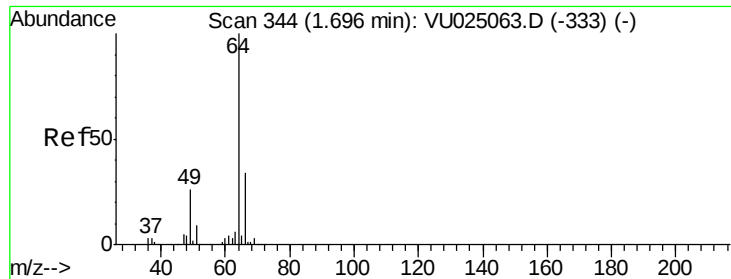
100000

50000

0

Time--> 1.55 1.60 1.65





#8

Chloroethane

Concen: 101.782 ug/L

RT: 1.69 min Scan# 343

Delta R.T. -0.00 min

Lab File: VU025064.D

Acq: 29 Jun 2018 11:46

Instrument :

MSVOA_U

ClientSampleId :

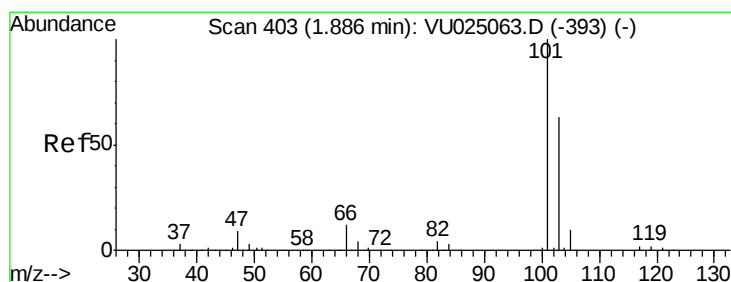
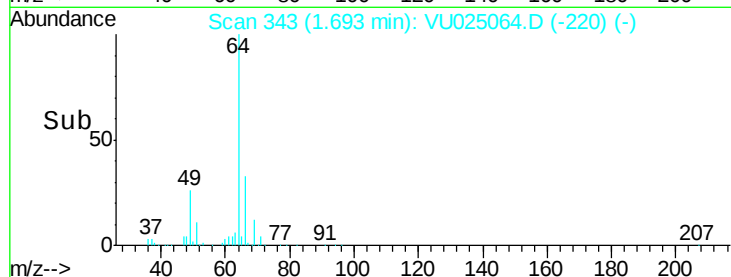
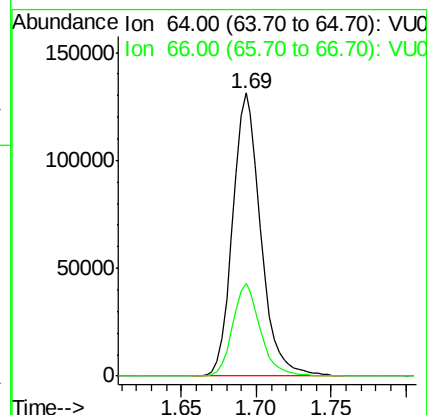
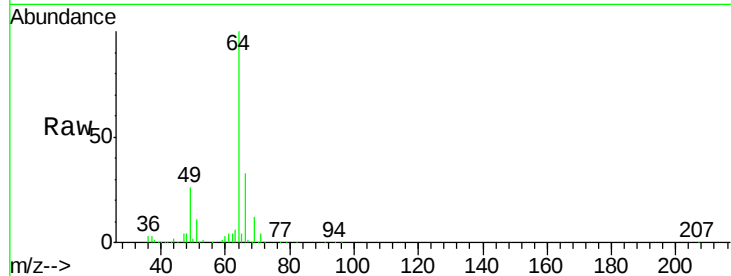
VSTD10043

Tgt Ion: 64 Resp: 171714

Ion Ratio Lower Upper

64 100

66 32.6 23.8 44.2



#9

Trichlorofluoromethane

Concen: 97.842 ug/L

RT: 1.89 min Scan# 403

Delta R.T. -0.00 min

Lab File: VU025064.D

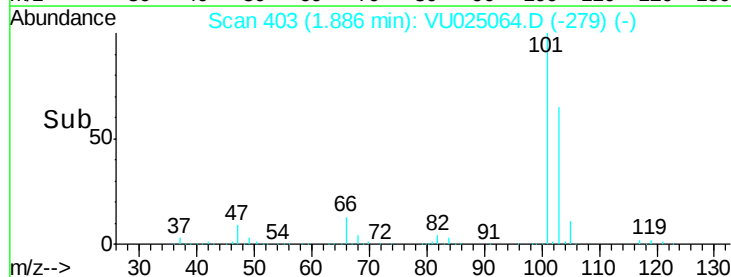
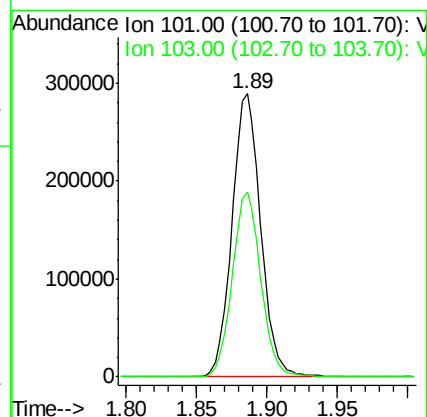
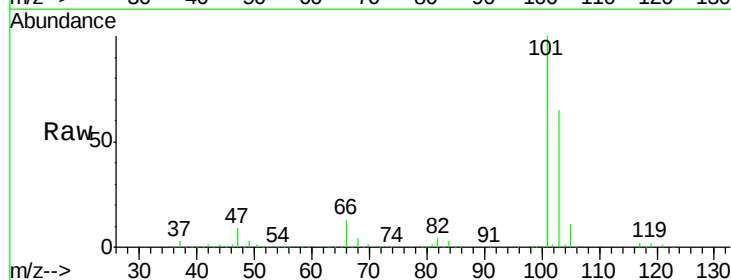
Acq: 29 Jun 2018 11:46

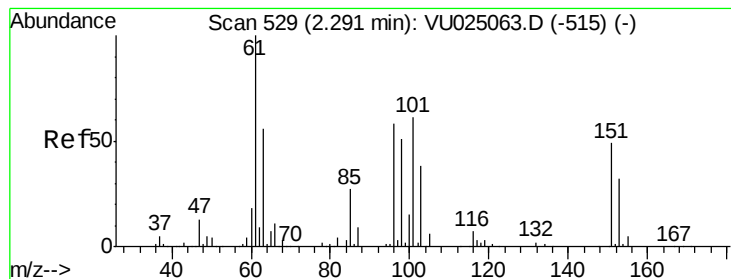
Tgt Ion: 101 Resp: 411099

Ion Ratio Lower Upper

101 100

103 65.0 51.1 76.7





#10

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

Concen: 102.411 ug/L

RT: 2.29 min Scan# 528

Delta R.T. -0.00 min

Lab File: VU025064.D

Acq: 29 Jun 2018 11:46

Instrument :

MSVOA_U

ClientSampleId :

VSTD10043

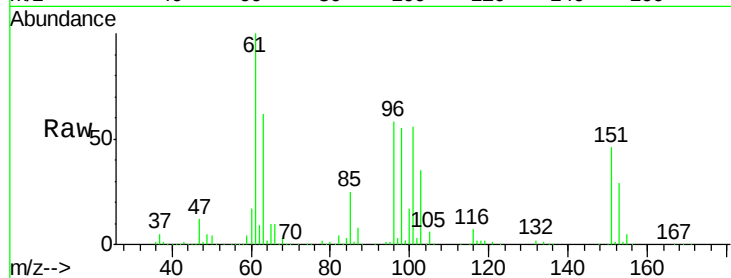
Tgt Ion: 101 Resp: 244732

Ion Ratio Lower Upper

101 100

85 44.5 35.8 53.6

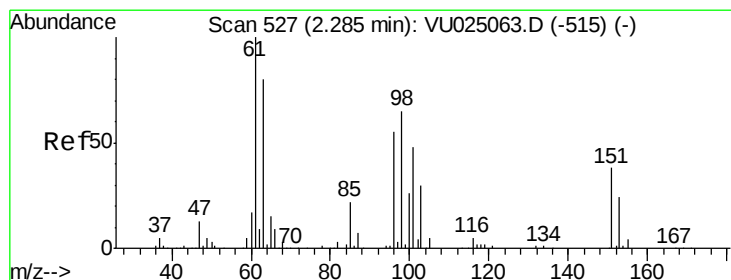
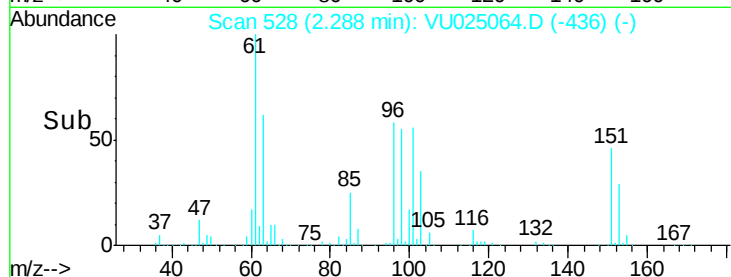
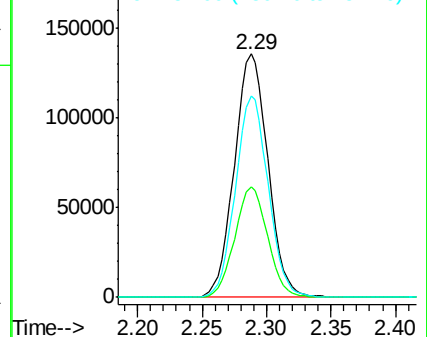
151 80.9 64.6 96.8



Abundance Ion 101.00 (100.70 to 101.70): VU025063.D (-515) (-)

Ion 85.00 (84.70 to 85.70): VU025063.D (-515) (-)

Ion 151.00 (150.70 to 151.70): VU025063.D (-515) (-)



#12

1,1-Dichloroethene

Concen: 103.447 ug/L

RT: 2.28 min Scan# 527

Delta R.T. -0.00 min

Lab File: VU025064.D

Acq: 29 Jun 2018 11:46

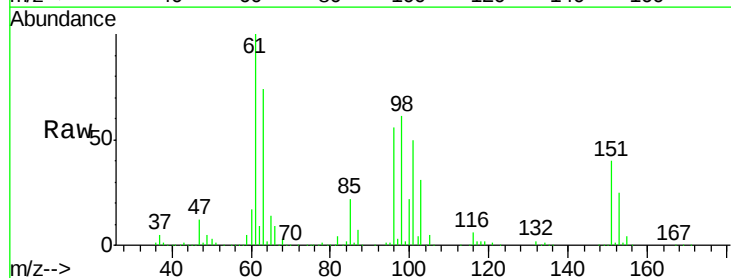
Tgt Ion: 96 Resp: 226609

Ion Ratio Lower Upper

96 100

61 178.3 128.1 237.9

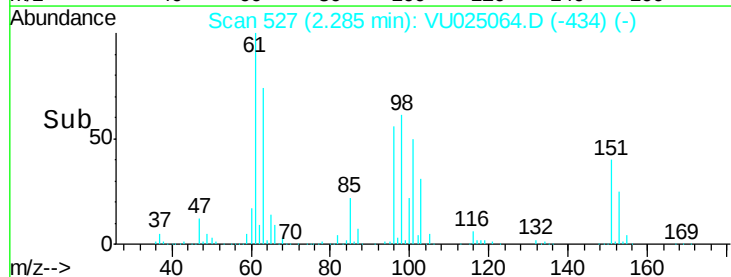
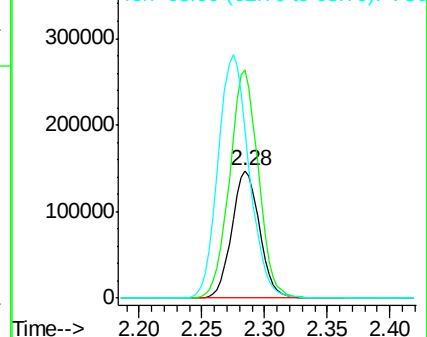
63 132.0 103.6 192.4

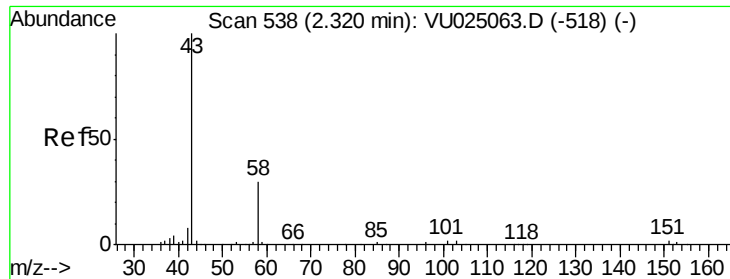


Abundance Ion 96.00 (95.70 to 96.70): VU025063.D (-515) (-)

Ion 61.00 (60.70 to 61.70): VU025063.D (-515) (-)

Ion 63.00 (62.70 to 63.70): VU025063.D (-515) (-)





#13

Acetone

Concen: 186.904 ug/L

RT: 2.32 min Scan# 538

Delta R.T. -0.00 min

Lab File: VU025064.D

Acq: 29 Jun 2018 11:46

Instrument :

MSVOA_U

ClientSampleId :

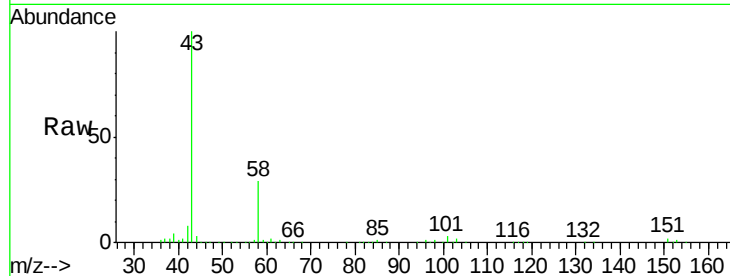
VSTD10043

Tgt Ion: 43 Resp: 355598

Ion Ratio Lower Upper

43 100

58 29.3 0.0 59.4



Abundance Ion 43.00 (42.70 to 43.70): VU025063.D (-518) (-)

Ion 58.00 (57.70 to 58.70): VU025063.D (-518) (-)

2.32

200000

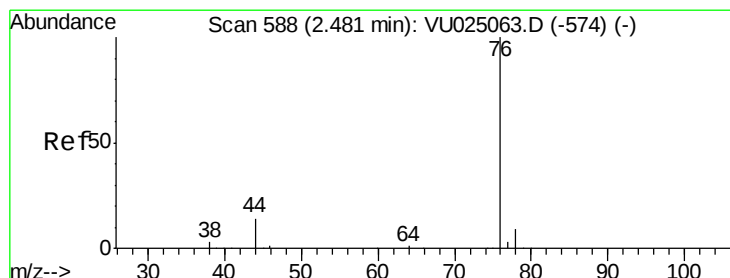
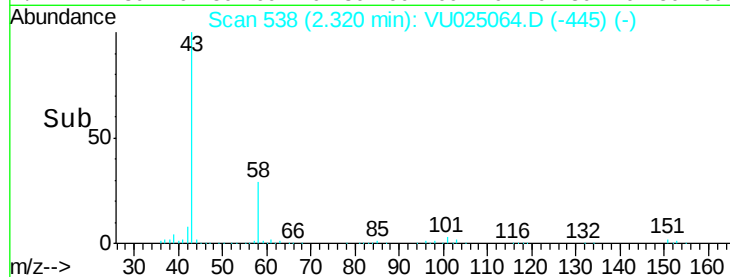
150000

100000

50000

0

Time--> 2.20 2.30 2.40



#14

Carbon disulfide

Concen: 98.353 ug/L

RT: 2.48 min Scan# 587

Delta R.T. -0.00 min

Lab File: VU025064.D

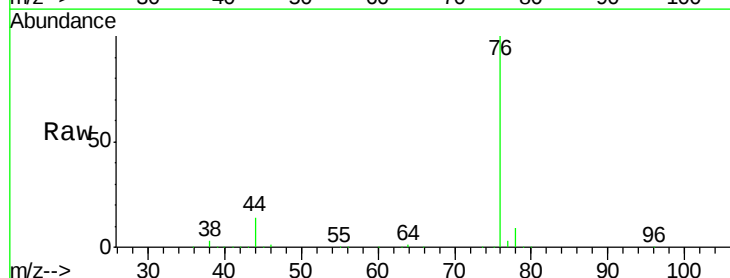
Acq: 29 Jun 2018 11:46

Tgt Ion: 76 Resp: 692684

Ion Ratio Lower Upper

76 100

78 9.2 7.3 10.9



Abundance Ion 76.00 (75.70 to 76.70): VU025063.D (-574) (-)

Ion 78.00 (77.70 to 78.70): VU025063.D (-574) (-)

2.48

400000

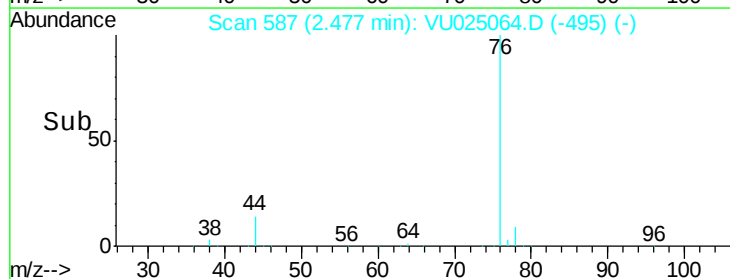
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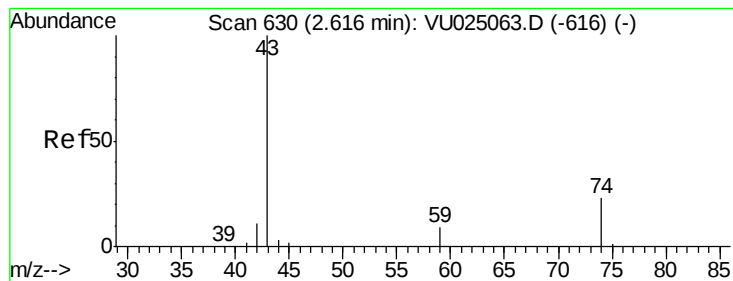
200000

100000

0

Time--> 2.40 2.50 2.60





#15

Methyl Acetate

Concen: 99.008 ug/L

RT: 2.62 min Scan# 630

Delta R.T. -0.00 min

Lab File: VU025064.D

Acq: 29 Jun 2018 11:46

Instrument :

MSVOA_U

ClientSampleId :

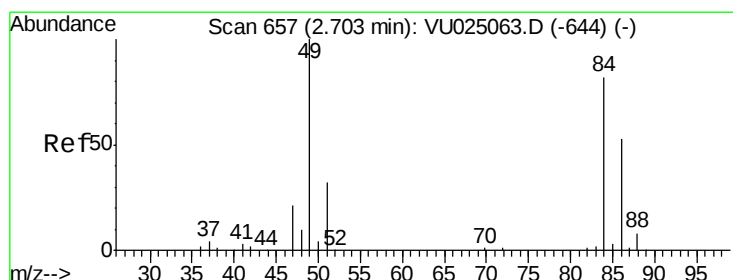
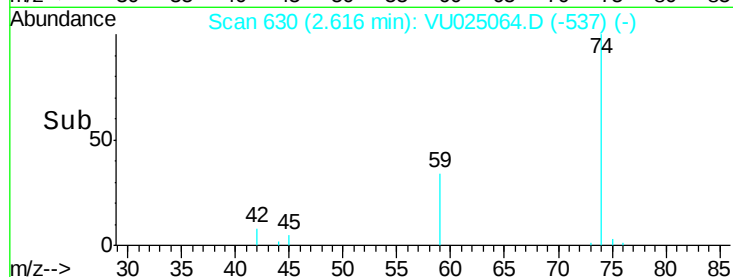
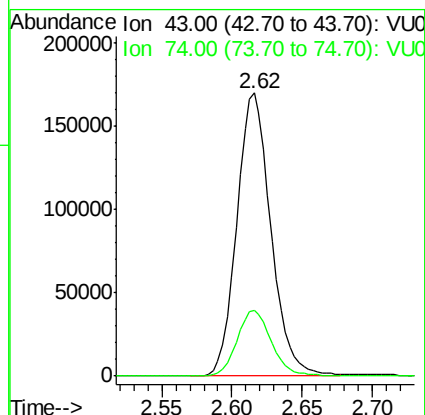
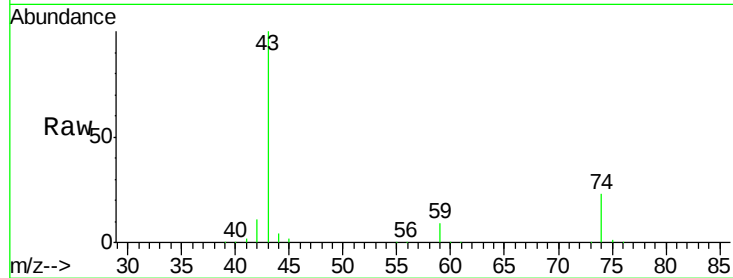
VSTD10043

Tgt Ion: 43 Resp: 286929

Ion Ratio Lower Upper

43 100

74 23.5 18.6 28.0



#16

Methylene chloride

Concen: 98.901 ug/L

RT: 2.70 min Scan# 657

Delta R.T. -0.00 min

Lab File: VU025064.D

Acq: 29 Jun 2018 11:46

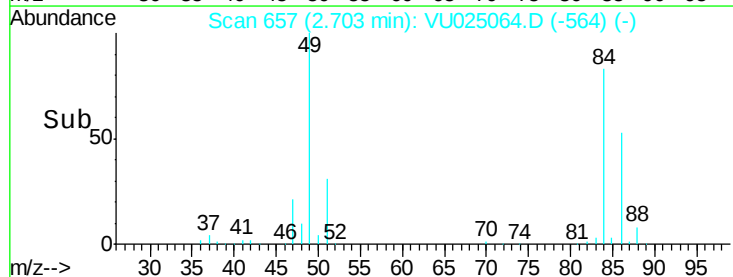
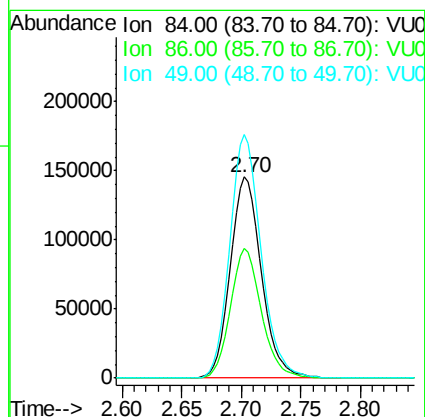
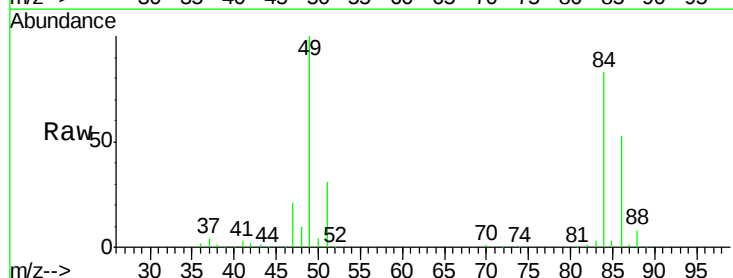
Tgt Ion: 84 Resp: 264648

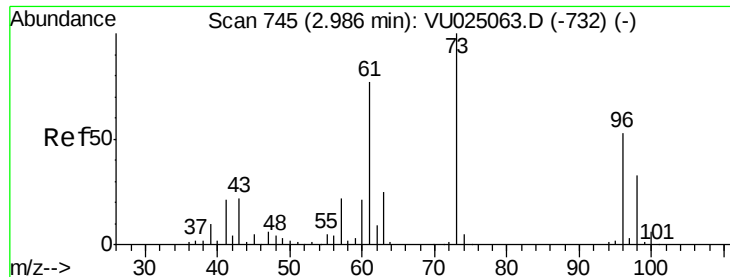
Ion Ratio Lower Upper

84 100

86 64.2 44.9 83.5

49 121.0 85.6 159.0

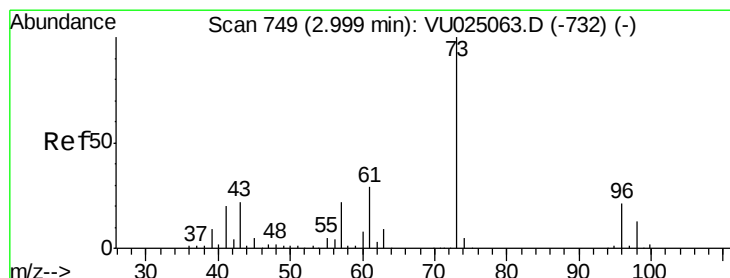
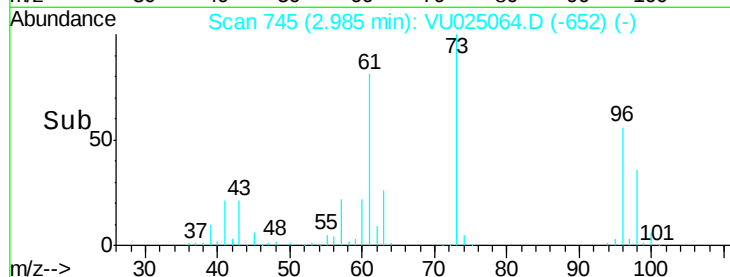
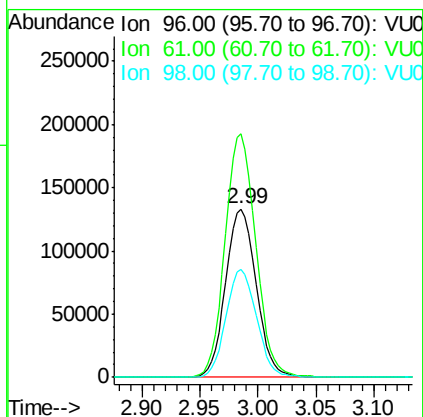
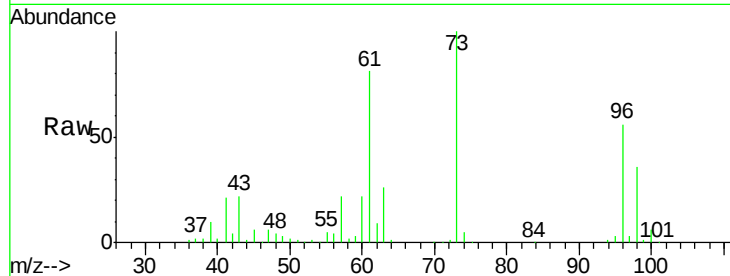




#17
trans-1,2-Dichloroethene
Concen: 99.367 ug/L
RT: 2.99 min Scan# 745
Delta R.T. -0.00 min
Lab File: VU025064.D
Acq: 29 Jun 2018 11:46

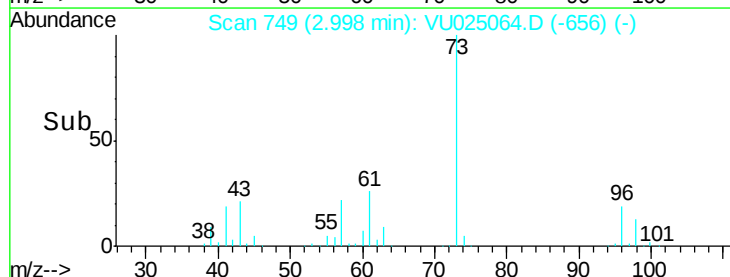
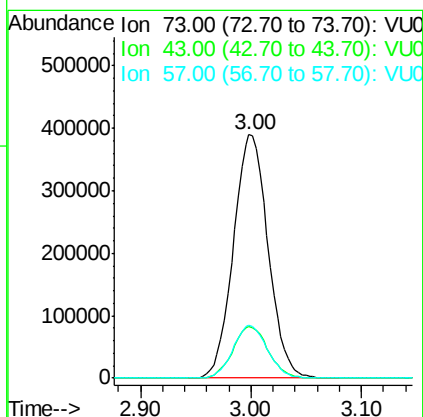
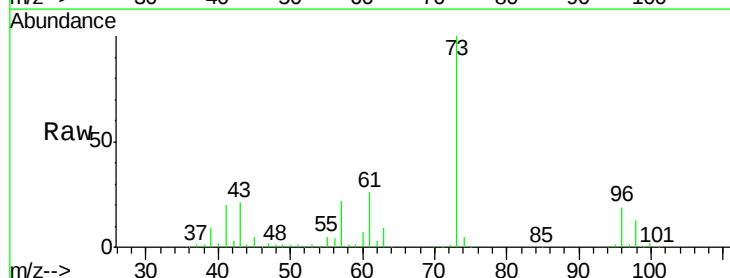
Instrument :
MSVOA_U
ClientSampleId :
VSTD10043

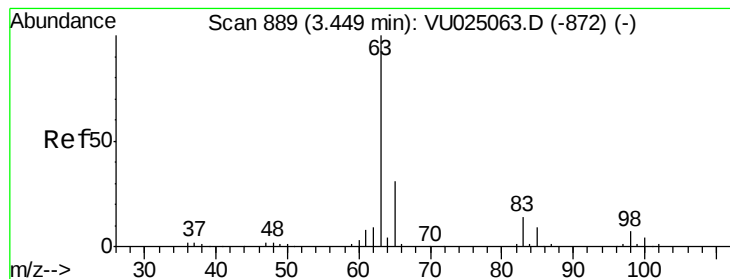
Tgt Ion: 96 Resp: 243860
Ion Ratio Lower Upper
96 100
61 144.9 102.7 190.7
98 64.5 44.4 82.5



#18
Methyl tert-butyl Ether
Concen: 104.321 ug/L
RT: 3.00 min Scan# 749
Delta R.T. -0.00 min
Lab File: VU025064.D
Acq: 29 Jun 2018 11:46

Tgt Ion: 73 Resp: 847434
Ion Ratio Lower Upper
73 100
43 21.6 17.2 25.8
57 21.6 17.2 25.8





#19

1,1-Dichloroethane

Concen: 102.134 ug/L

RT: 3.45 min Scan# 889

Delta R.T. -0.00 min

Lab File: VU025064.D

Acq: 29 Jun 2018 11:46

Instrument :

MSVOA_U

ClientSampleId :

VSTD10043

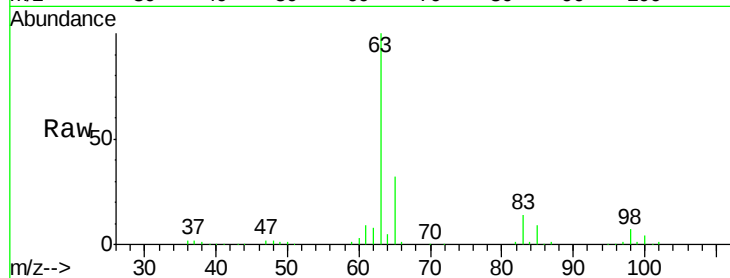
Tgt Ion: 63 Resp: 466328

Ion Ratio Lower Upper

63 100

65 32.0 21.9 40.7

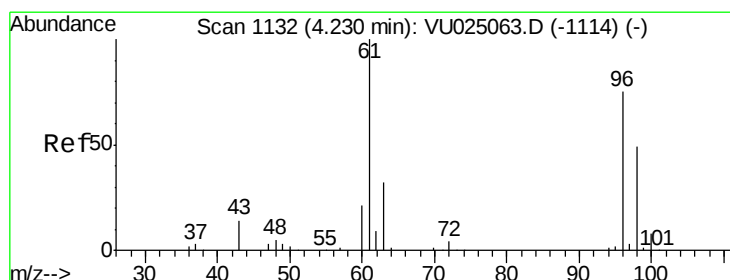
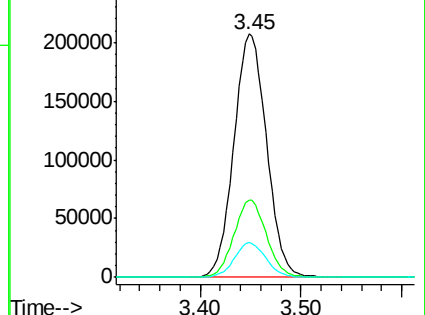
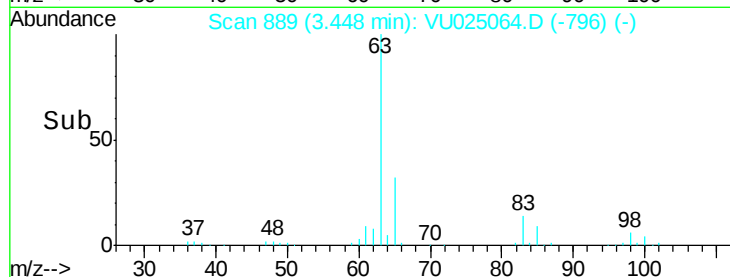
83 14.1 9.7 18.1



Abundance Ion 63.00 (62.70 to 63.70): VU025063.D (-872) (-)

Ion 65.00 (64.70 to 65.70): VU025063.D (-872) (-)

Ion 83.00 (82.70 to 83.70): VU025063.D (-872) (-)



#20

cis-1,2-Dichloroethene

Concen: 97.904 ug/L

RT: 4.23 min Scan# 1132

Delta R.T. -0.00 min

Lab File: VU025064.D

Acq: 29 Jun 2018 11:46

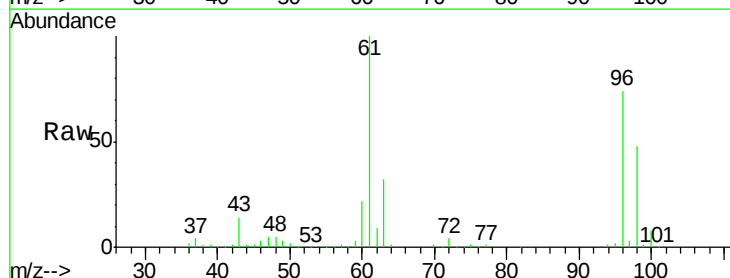
Tgt Ion: 96 Resp: 280461

Ion Ratio Lower Upper

96 100

61 135.9 93.4 173.6

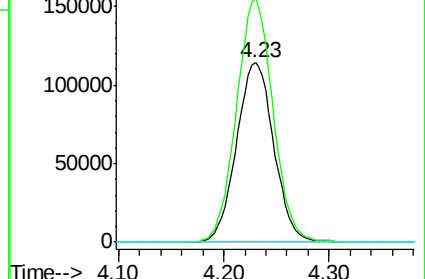
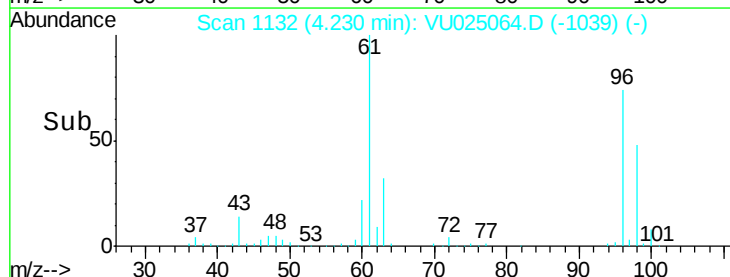
68 0.0 0.0 0.0

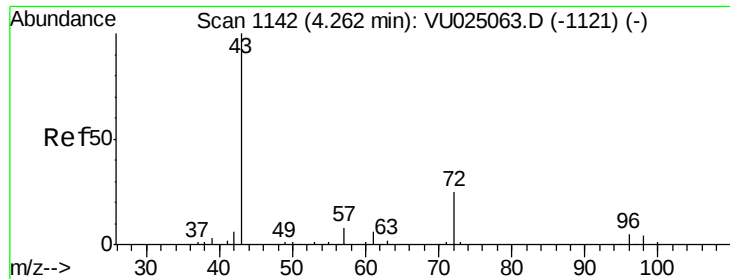


Abundance Ion 96.00 (95.70 to 96.70): VU025063.D (-1114) (-)

Ion 61.00 (60.70 to 61.70): VU025063.D (-1114) (-)

Ion 68.00 (67.70 to 68.70): VU025063.D (-1114) (-)





#22

2-Butanone

Concen: 189.537 ug/L

RT: 4.26 min Scan# 1142

Delta R.T. -0.00 min

Lab File: VU025064.D

Acq: 29 Jun 2018 11:46

Instrument :

MSVOA_U

ClientSampleId :

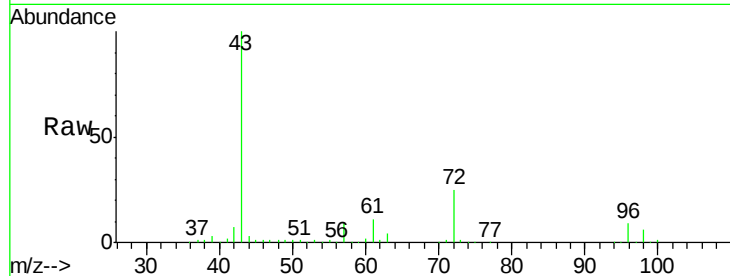
VSTD10043

Tgt Ion: 43 Resp: 453887

Ion Ratio Lower Upper

43 100

72 26.4 13.7 41.0



Abundance Ion 43.00 (42.70 to 43.70): VU025063.D (-1121) (-)

Ion 72.00 (71.70 to 72.70): VU025063.D (-1121) (-)

4.26

200000

150000

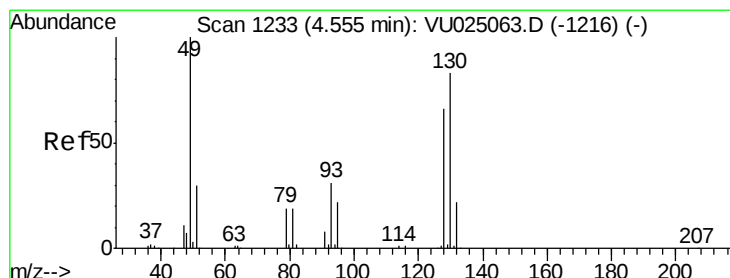
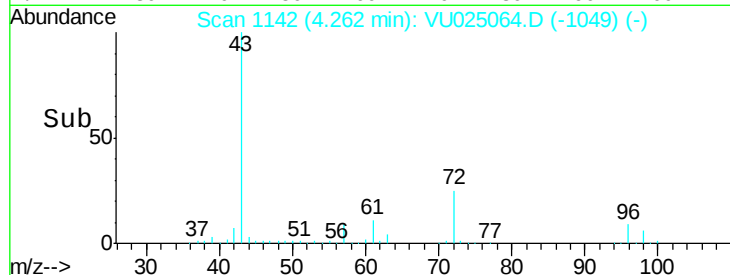
100000

50000

0

4.20 4.30 4.40

Time-->



#23

Bromochloromethane

Concen: 101.523 ug/L

RT: 4.55 min Scan# 1233

Delta R.T. -0.00 min

Lab File: VU025064.D

Acq: 29 Jun 2018 11:46

Tgt Ion: 128 Resp: 146091

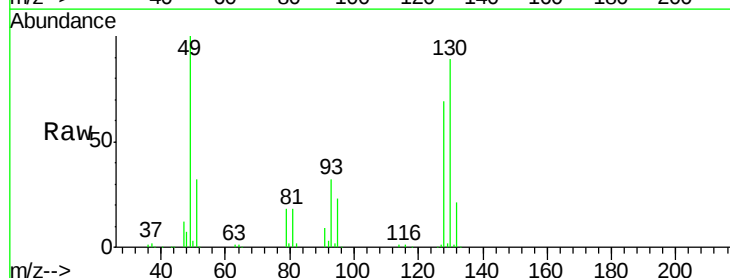
Ion Ratio Lower Upper

128 100

49 145.0 106.1 197.1

130 129.2 87.7 162.9

51 47.0 36.8 55.2



Abundance Ion 128.00 (127.70 to 128.70): VU025063.D (-1216) (-)

Ion 49.00 (48.70 to 49.70): VU025063.D (-1216) (-)

Ion 130.00 (129.70 to 130.70): VU025063.D (-1216) (-)

Ion 51.00 (50.70 to 51.70): VU025063.D (-1216) (-)

4.55

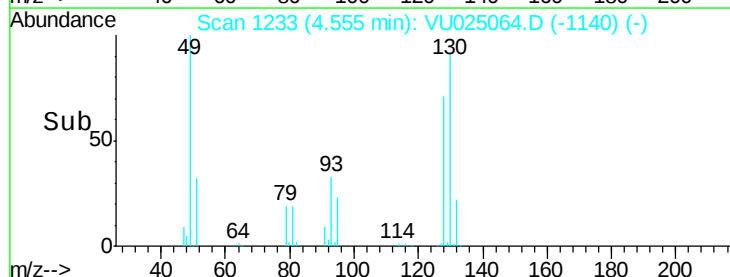
100000

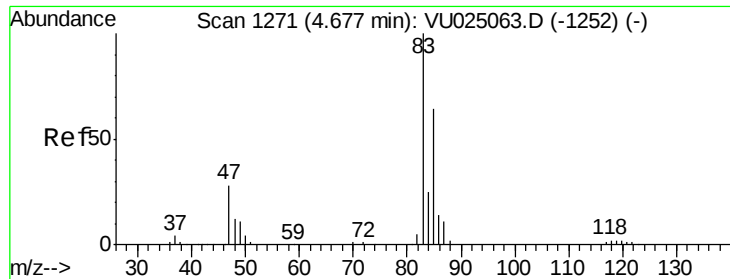
50000

0

4.45 4.50 4.55 4.60 4.65

Time-->

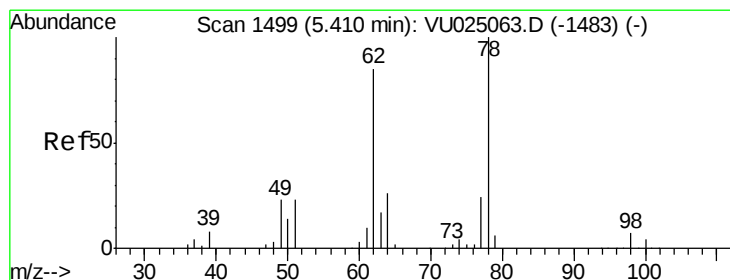
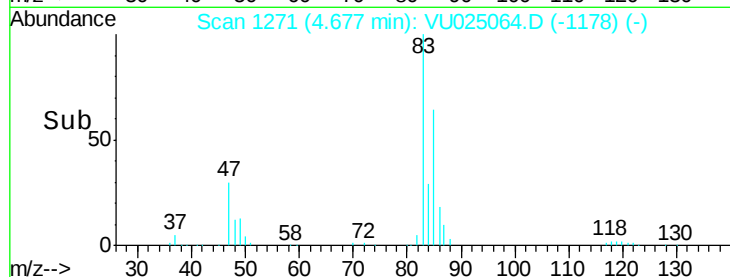
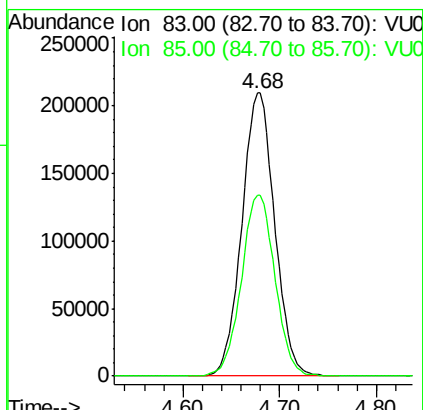
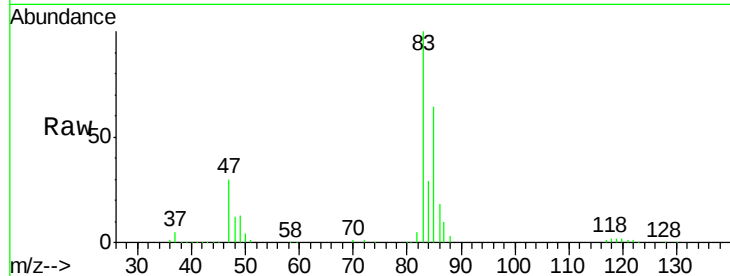




#25
Chloroform
Concen: 104.097 ug/L
RT: 4.68 min Scan# 1271
Delta R.T. -0.00 min
Lab File: VU025064.D
Acq: 29 Jun 2018 11:46

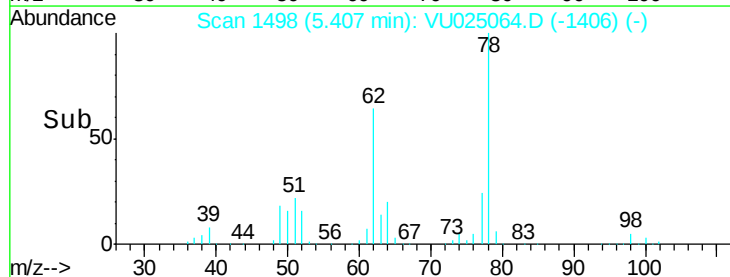
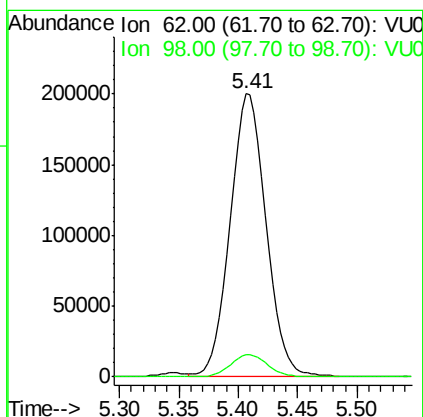
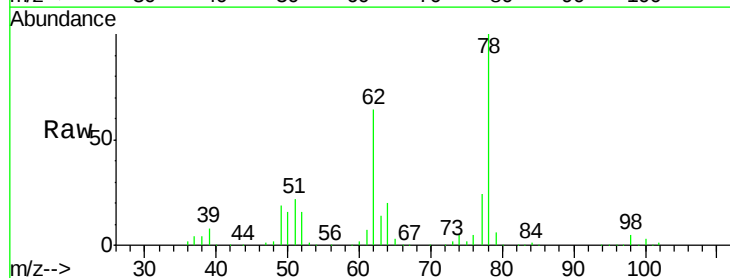
Instrument :
MSVOA_U
ClientSampleId :
VSTD10043

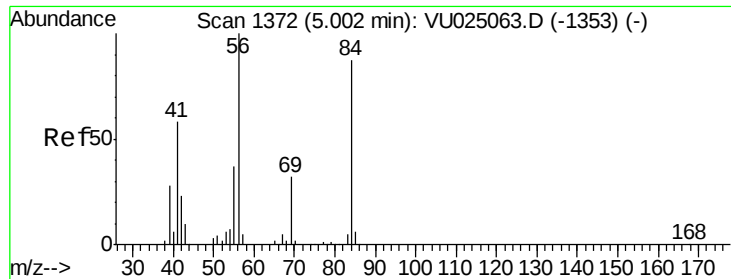
Tgt Ion: 83 Resp: 494235
Ion Ratio Lower Upper
83 100
85 64.1 44.7 83.1



#27
1,2-Dichloroethane
Concen: 112.082 ug/L
RT: 5.41 min Scan# 1498
Delta R.T. -0.00 min
Lab File: VU025064.D
Acq: 29 Jun 2018 11:46

Tgt Ion: 62 Resp: 416148
Ion Ratio Lower Upper
62 100
98 8.0 6.4 9.6

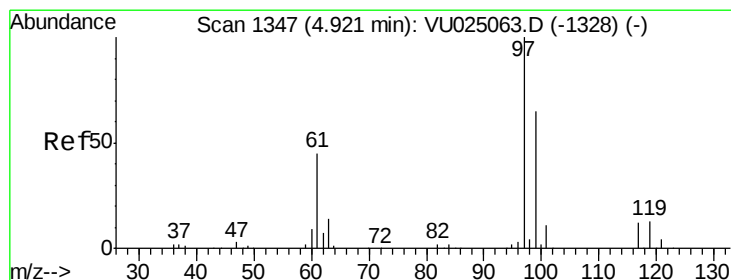
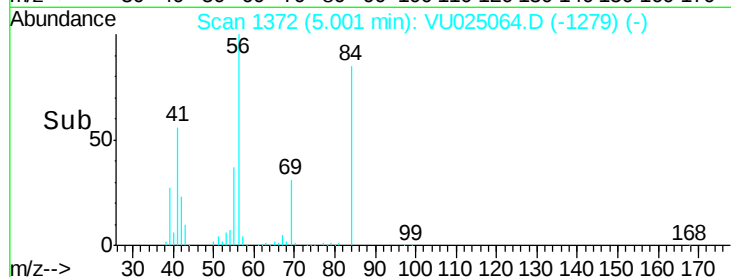
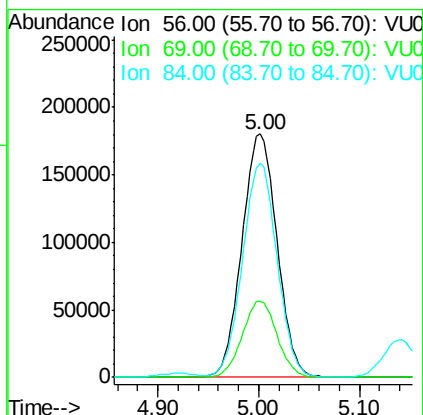
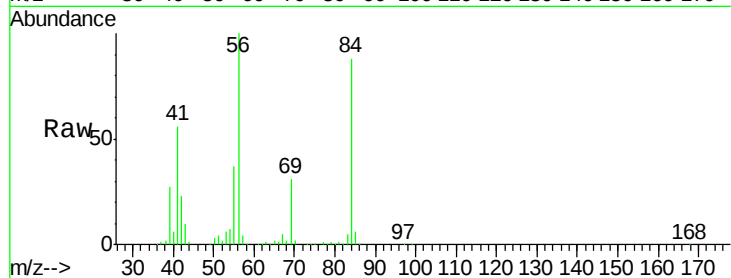




#29
Cyclohexane
Concen: 102.043 ug/L
RT: 5.00 min Scan# 1372
Delta R.T. -0.00 min
Lab File: VU025064.D
Acq: 29 Jun 2018 11:46

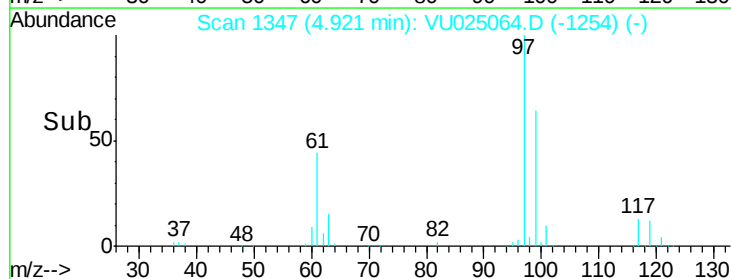
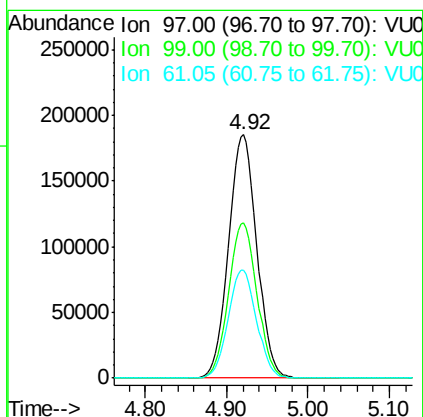
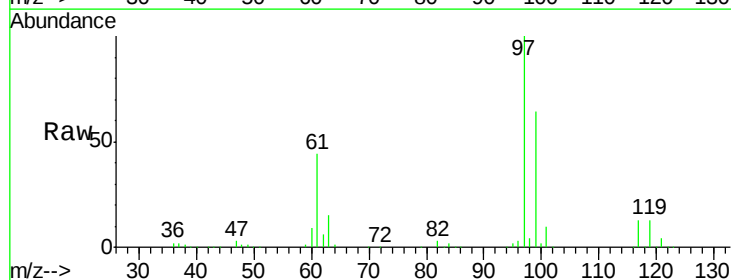
Instrument :
MSVOA_U
ClientSampleId :
VSTD10043

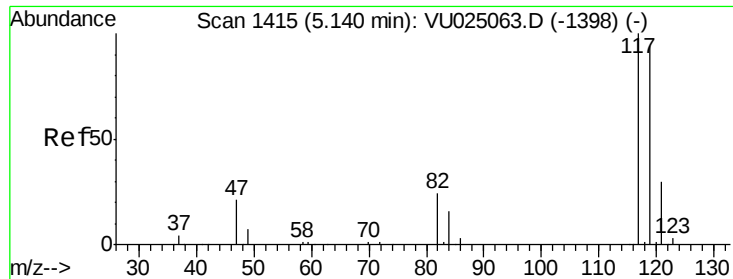
Tgt Ion: 56 Resp: 434708
Ion Ratio Lower Upper
56 100
69 31.2 25.0 37.6
84 87.1 70.0 105.0



#30
1,1,1-Trichloroethane
Concen: 105.942 ug/L
RT: 4.92 min Scan# 1347
Delta R.T. -0.00 min
Lab File: VU025064.D
Acq: 29 Jun 2018 11:46

Tgt Ion: 97 Resp: 449337
Ion Ratio Lower Upper
97 100
99 64.2 51.4 77.2
61 44.5 35.5 53.3





#31

Carbon tetrachloride

Concen: 105.798 ug/L

RT: 5.14 min Scan# 1415

Delta R.T. -0.00 min

Lab File: VU025064.D

Acq: 29 Jun 2018 11:46

Instrument :

MSVOA_U

ClientSampleId :

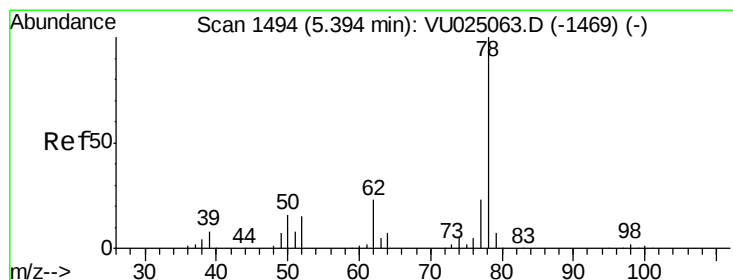
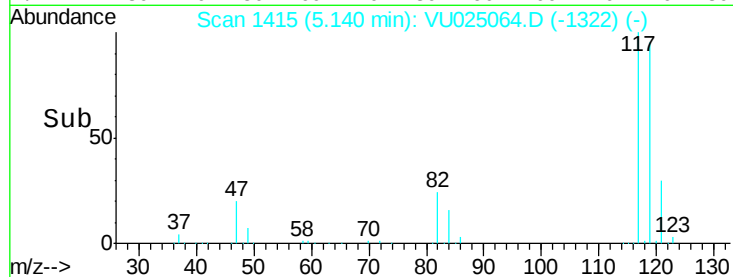
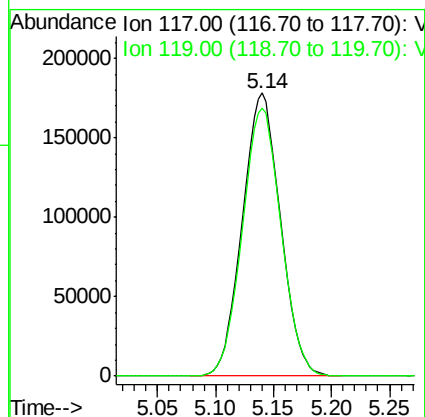
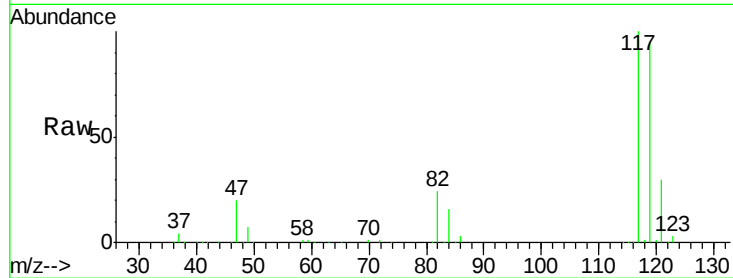
VSTD10043

Tgt Ion:117 Resp: 407935

Ion Ratio Lower Upper

117 100

119 96.2 76.8 115.2



#33

Benzene

Concen: 102.277 ug/L

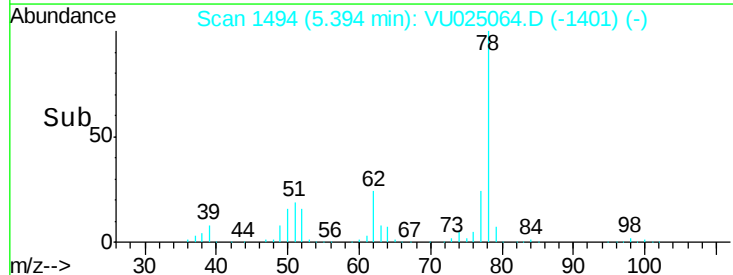
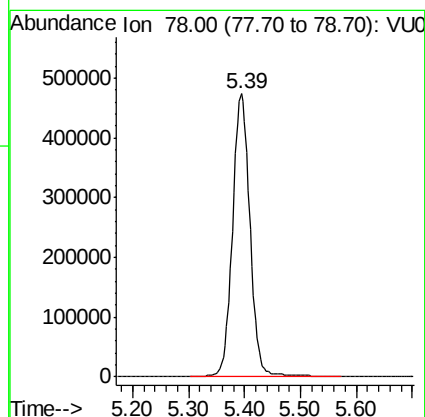
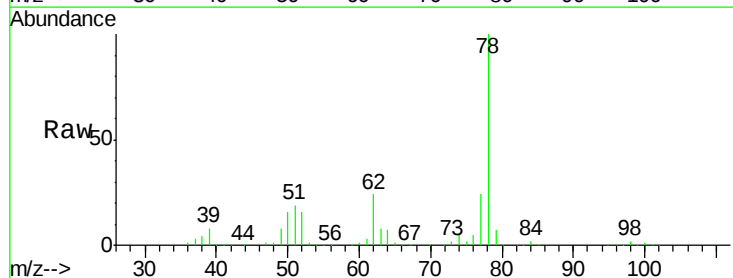
RT: 5.39 min Scan# 1494

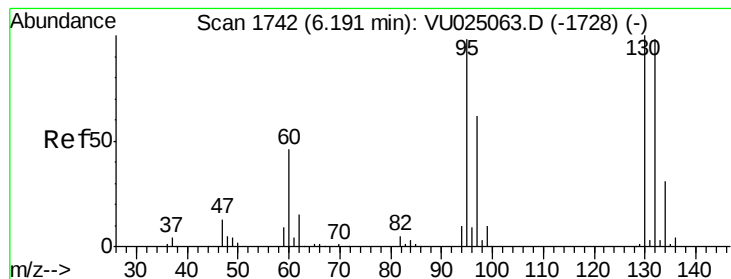
Delta R.T. -0.00 min

Lab File: VU025064.D

Acq: 29 Jun 2018 11:46

Tgt Ion: 78 Resp: 1035013





#34

Trichloroethene

Concen: 99.195 ug/L

RT: 6.19 min Scan# 1741

Delta R.T. -0.00 min

Lab File: VU025064.D

Acq: 29 Jun 2018 11:46

Instrument :

MSVOA_U

ClientSampleId :

VSTD10043

Tgt Ion: 95 Resp: 276098

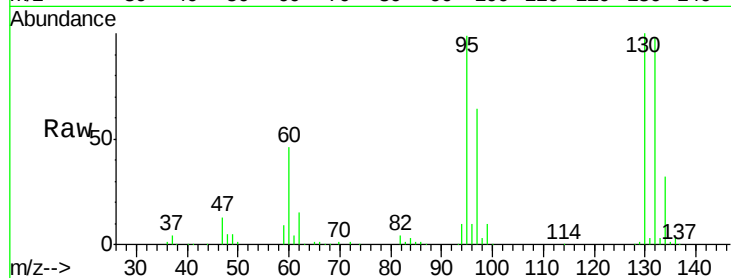
Ion Ratio Lower Upper

95 100

97 64.8 44.1 81.9

132 99.4 70.2 130.4

130 101.3 71.7 133.1

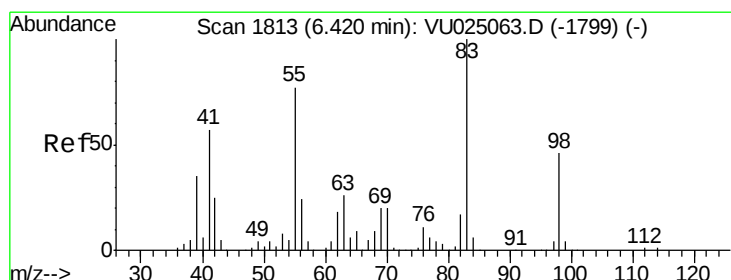
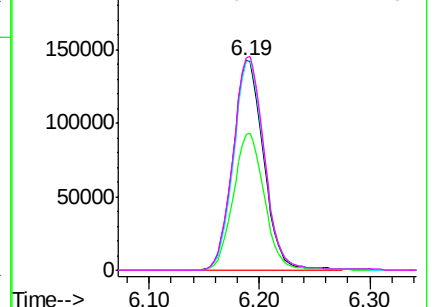
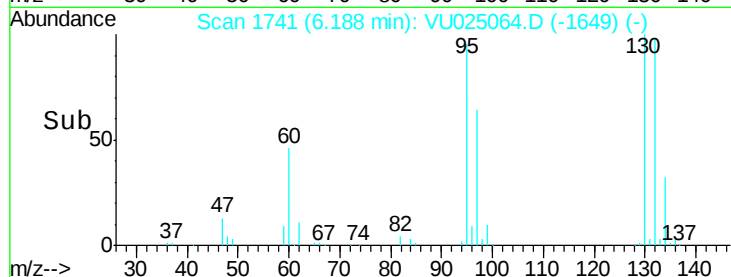


Abundance Ion 95.00 (94.70 to 95.70): VU0

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: 101.825 ug/L

RT: 6.42 min Scan# 1813

Delta R.T. -0.00 min

Lab File: VU025064.D

Acq: 29 Jun 2018 11:46

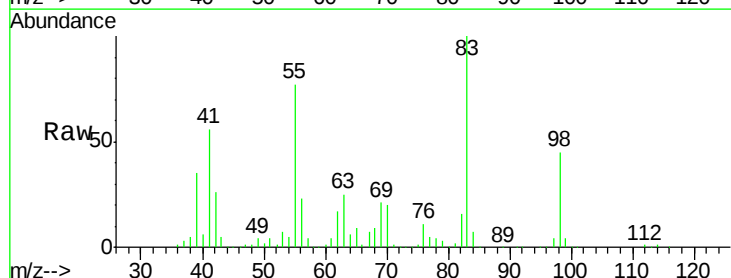
Tgt Ion: 83 Resp: 456201

Ion Ratio Lower Upper

83 100

55 76.2 61.8 92.6

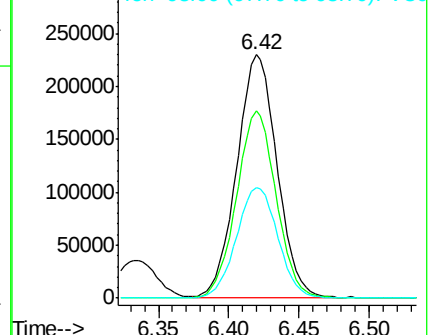
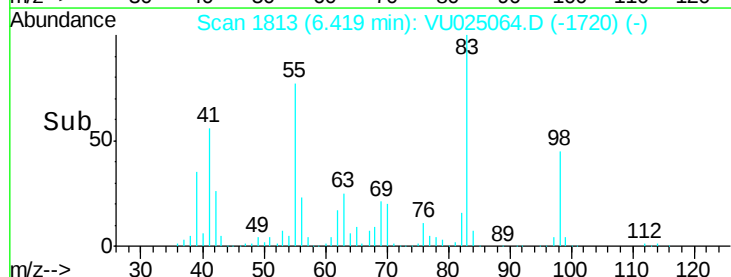
98 46.9 37.4 56.0

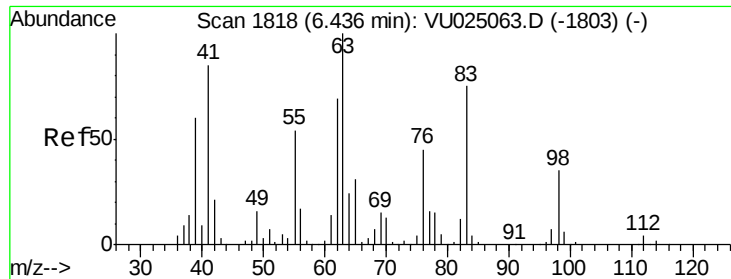


Abundance Ion 83.00 (82.70 to 83.70): VU0

Ion 55.00 (54.70 to 55.70): VU0

Ion 98.00 (97.70 to 98.70): VU0

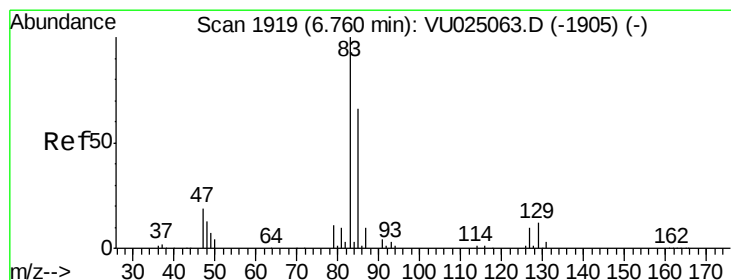
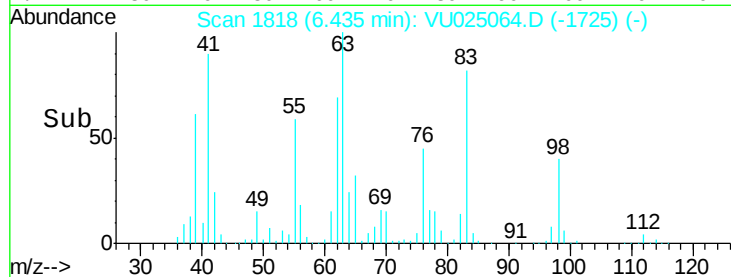
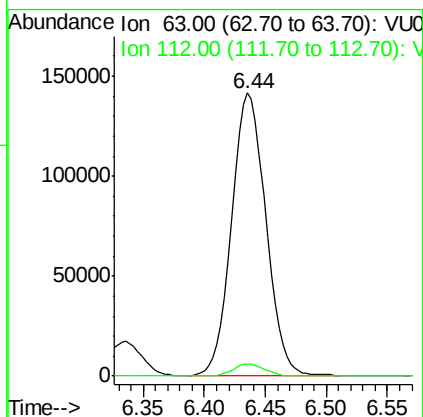
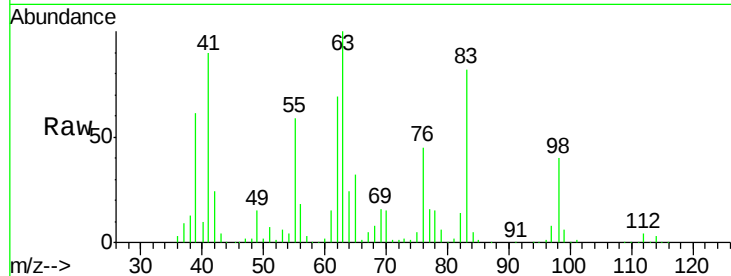




#37
 1,2-Dichloropropane
 Concen: 97.975 ug/L
 RT: 6.44 min Scan# 1818
 Delta R.T. -0.00 min
 Lab File: VU025064.D
 Acq: 29 Jun 2018 11:46

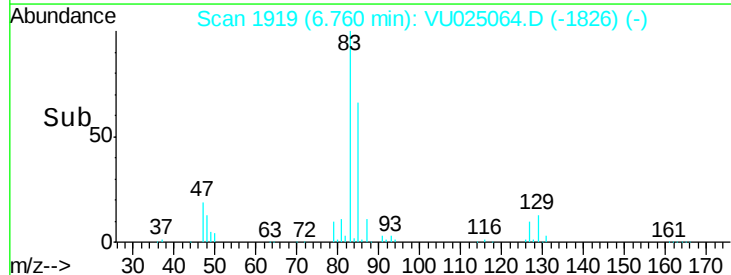
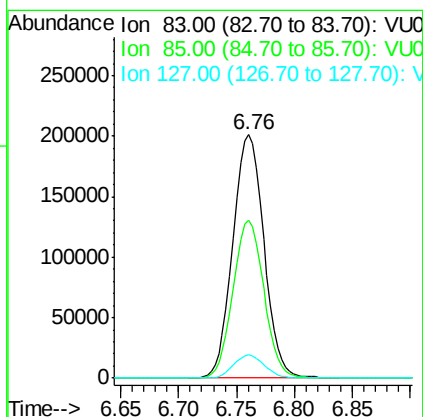
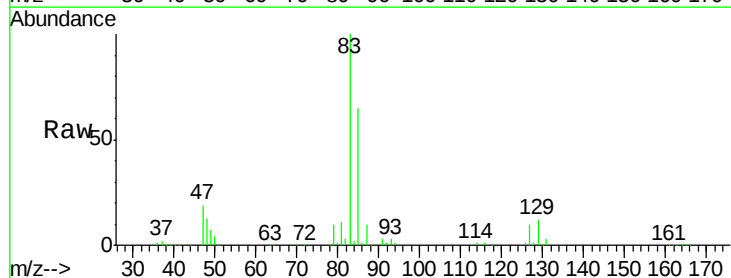
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD10043

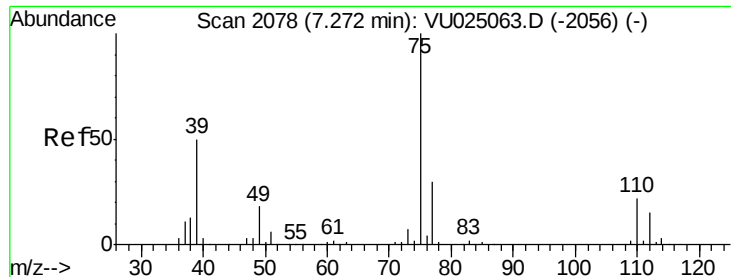
Tgt Ion: 63 Resp: 274538
 Ion Ratio Lower Upper
 63 100
 112 4.1 3.2 4.8



#38
 Bromodichloromethane
 Concen: 101.201 ug/L
 RT: 6.76 min Scan# 1919
 Delta R.T. -0.00 min
 Lab File: VU025064.D
 Acq: 29 Jun 2018 11:46

Tgt Ion: 83 Resp: 373902
 Ion Ratio Lower Upper
 83 100
 85 65.0 45.9 85.3
 127 9.7 7.7 11.5

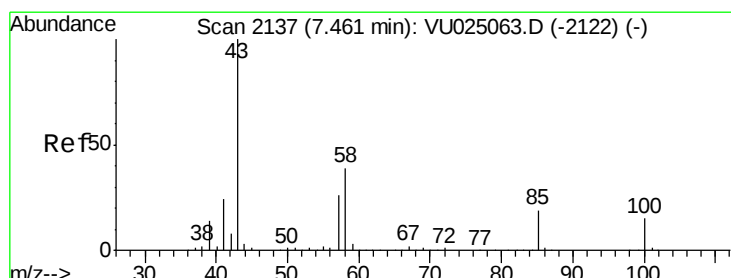
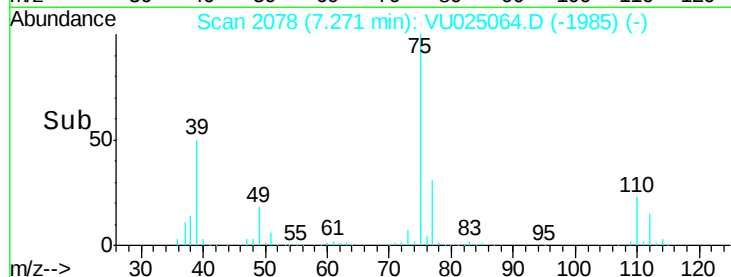
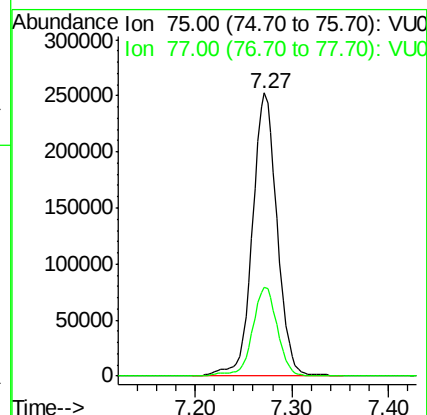
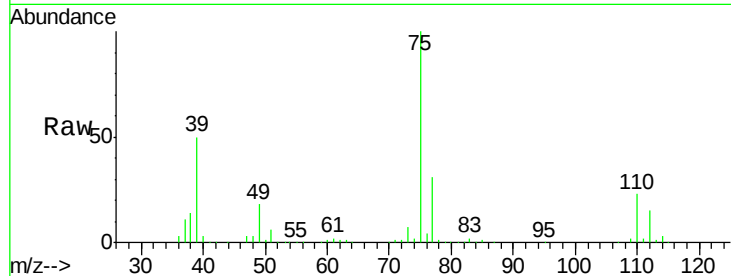




#39
 cis-1,3-Dichloropropene
 Concen: 100.955 ug/L
 RT: 7.27 min Scan# 2078
 Delta R.T. -0.00 min
 Lab File: VU025064.D
 Acq: 29 Jun 2018 11:46

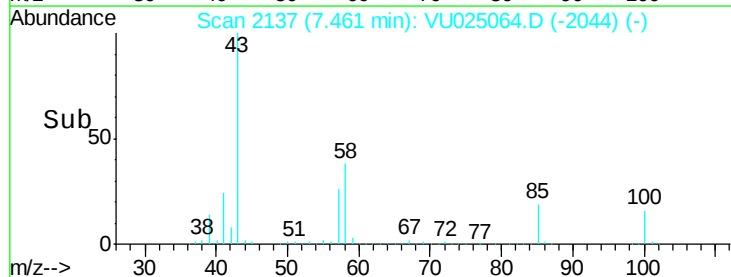
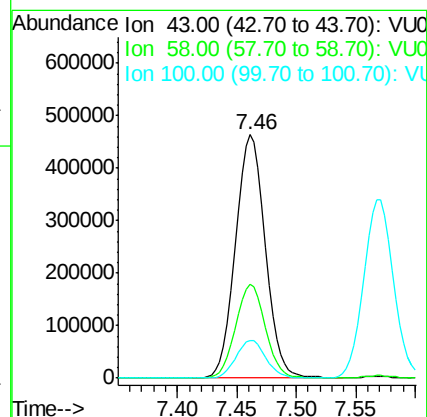
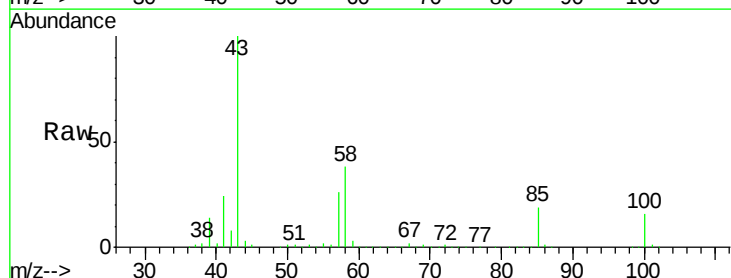
Instrument :
 MSVOA_U
 ClientSampled :
 VSTD10043

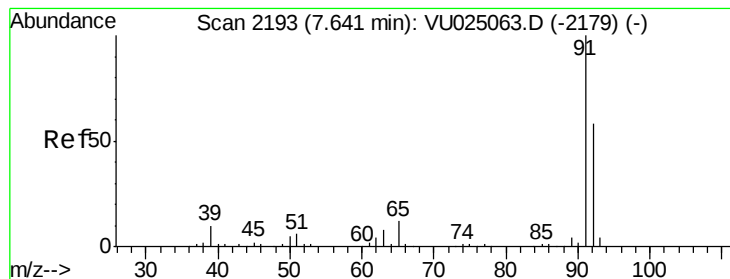
Tgt Ion: 75 Resp: 447129
 Ion Ratio Lower Upper
 75 100
 77 31.4 21.3 39.5



#40
 4-Methyl-2-pentanone
 Concen: 194.446 ug/L
 RT: 7.46 min Scan# 2137
 Delta R.T. -0.00 min
 Lab File: VU025064.D
 Acq: 29 Jun 2018 11:46

Tgt Ion: 43 Resp: 805918
 Ion Ratio Lower Upper
 43 100
 58 38.5 31.0 46.6
 100 15.6 12.3 18.5





#42

Toluene

Concen: 101.937 ug/L

RT: 7.64 min Scan# 2193

Delta R.T. -0.00 min

Lab File: VU025064.D

Acq: 29 Jun 2018 11:46

Instrument :

MSVOA_U

ClientSampleId :

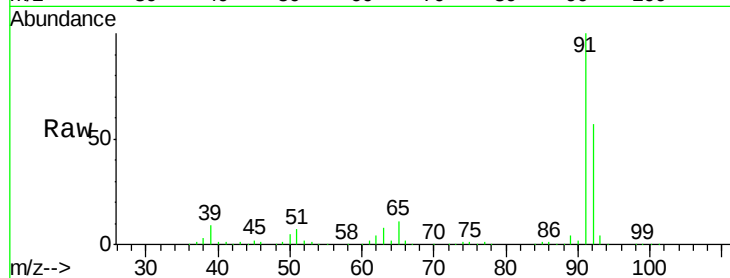
VSTD10043

Tgt Ion: 91 Resp: 1145476

Ion Ratio Lower Upper

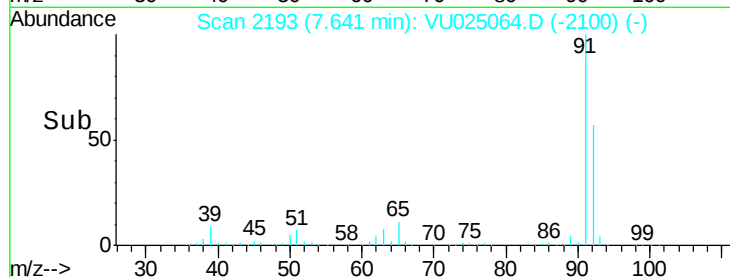
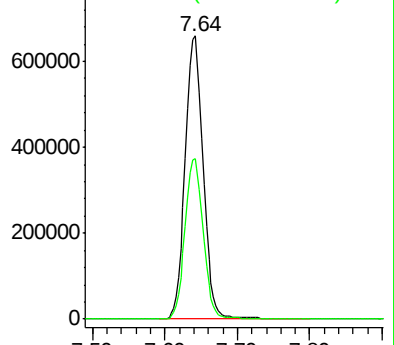
91 100

92 56.9 40.7 75.5

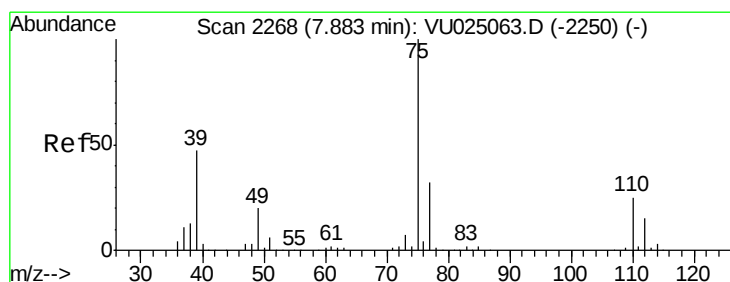


Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 92.00 (91.70 to 92.70): VU0



Time-->



#44

trans-1,3-Dichloropropene

Concen: 103.421 ug/L

RT: 7.88 min Scan# 2268

Delta R.T. -0.00 min

Lab File: VU025064.D

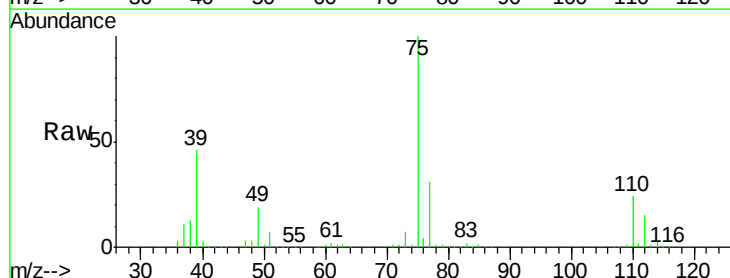
Acq: 29 Jun 2018 11:46

Tgt Ion: 75 Resp: 416024

Ion Ratio Lower Upper

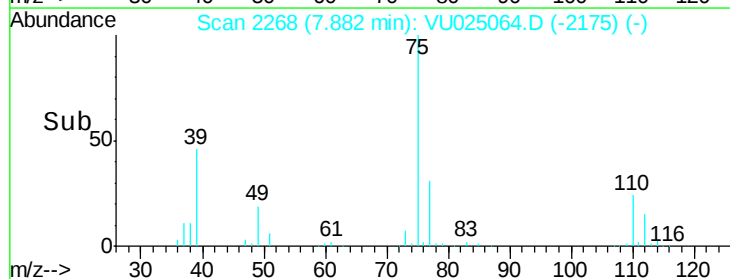
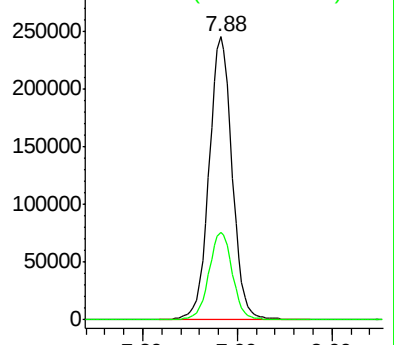
75 100

77 30.9 22.1 41.1

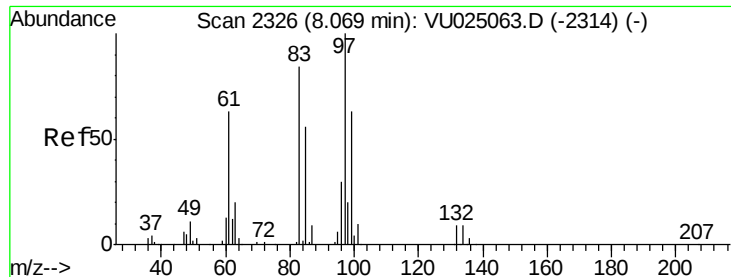


Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0



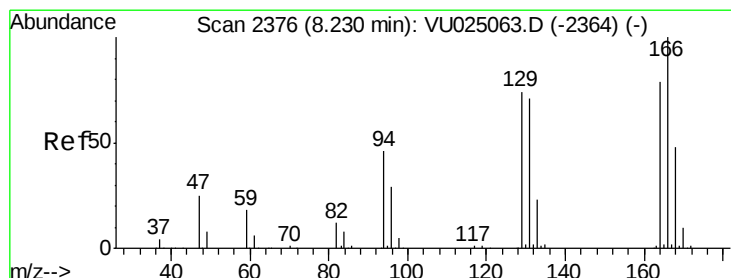
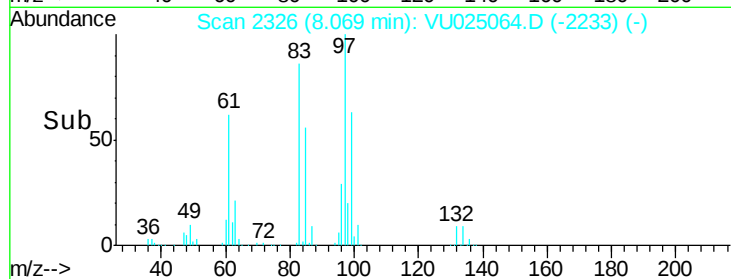
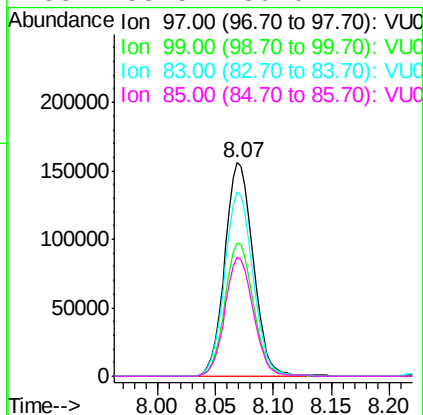
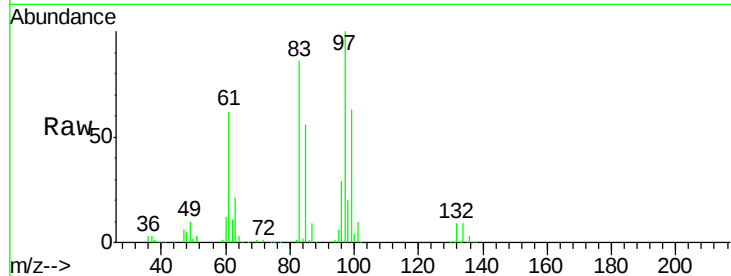
Time-->



#45
 1,1,2-Trichloroethane
 Concen: 100.451 ug/L
 RT: 8.07 min Scan# 2326
 Delta R.T. -0.00 min
 Lab File: VU025064.D
 Acq: 29 Jun 2018 11:46

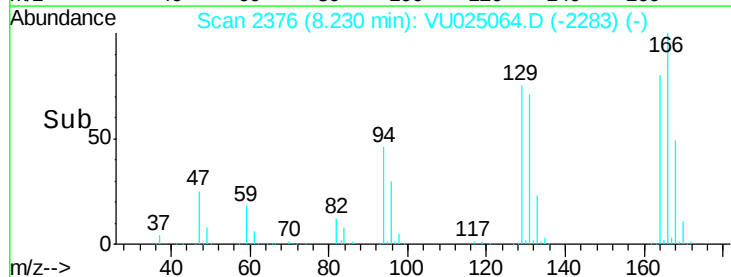
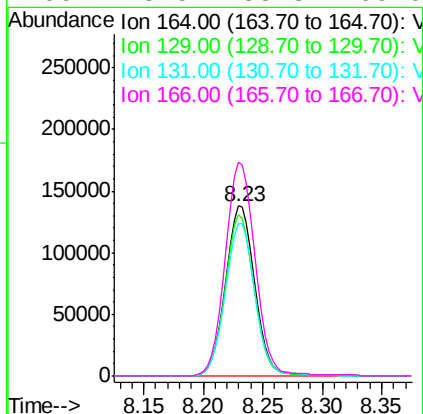
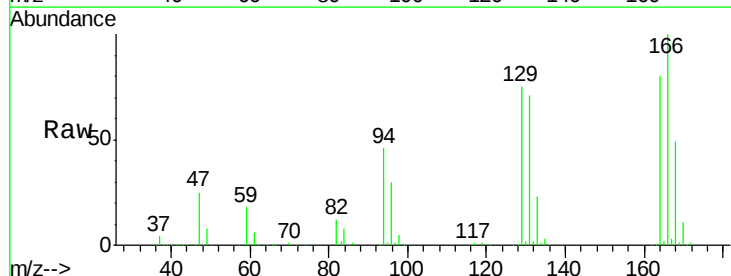
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD10043

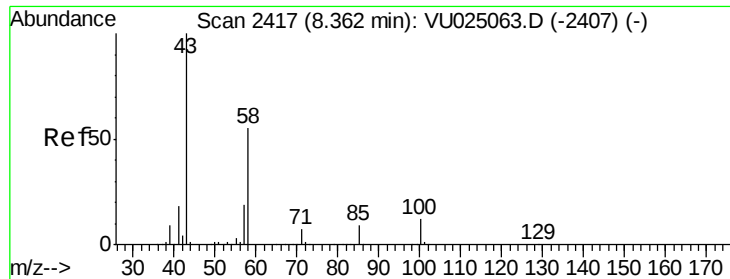
Tgt Ion:	97	Resp:	265725
Ion	Ratio	Lower	Upper
97	100		
99	62.6	44.1	81.9
83	86.2	58.7	108.9
85	55.5	39.0	72.4



#46
 Tetrachloroethene
 Concen: 101.140 ug/L
 RT: 8.23 min Scan# 2376
 Delta R.T. -0.00 min
 Lab File: VU025064.D
 Acq: 29 Jun 2018 11:46

Tgt Ion:	164	Resp:	236393
Ion	Ratio	Lower	Upper
164	100		
129	94.7	66.1	122.8
131	89.4	62.7	116.5
166	125.5	88.8	165.0

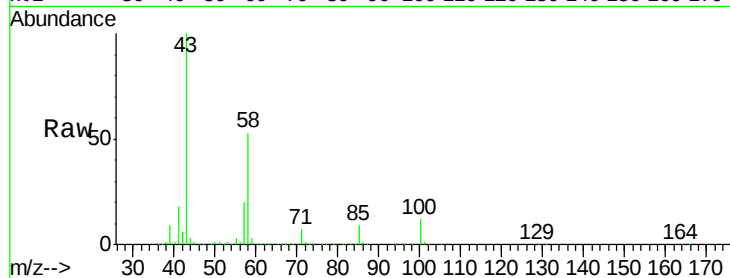




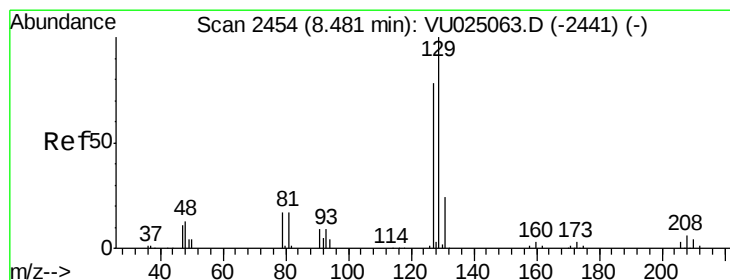
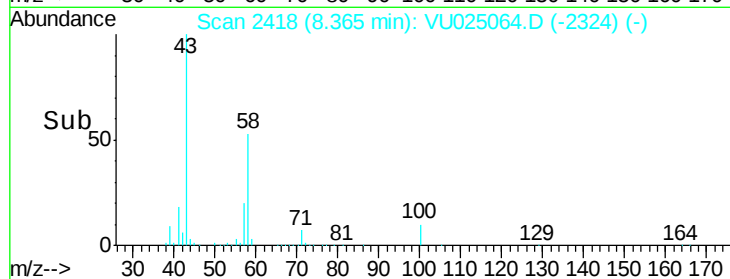
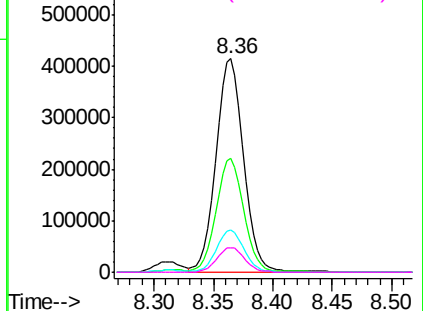
#48
2-Hexanone
Concen: 197.888 ug/L
RT: 8.36 min Scan# 2418
Delta R.T. 0.00 min
Lab File: VU025064.D
Acq: 29 Jun 2018 11:46

Instrument :
MSVOA_U
ClientSampleId :
VSTD10043

Tgt Ion: 43 Resp: 662997
Ion Ratio Lower Upper
43 100
58 53.0 43.2 64.8
57 19.6 15.8 23.8
100 11.9 9.4 14.0

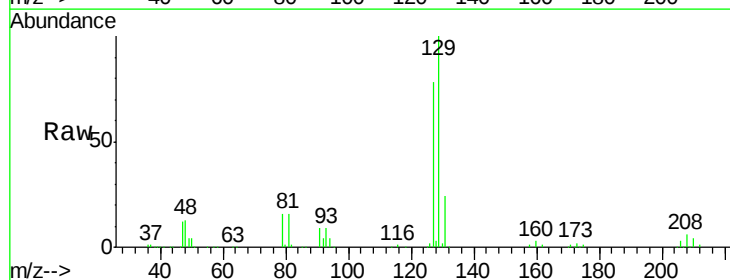


Abundance Ion 43.00 (42.70 to 43.70): VU0
Ion 58.00 (57.70 to 58.70): VU0
Ion 57.00 (56.70 to 57.70): VU0
Ion 100.00 (99.70 to 100.70): VU0

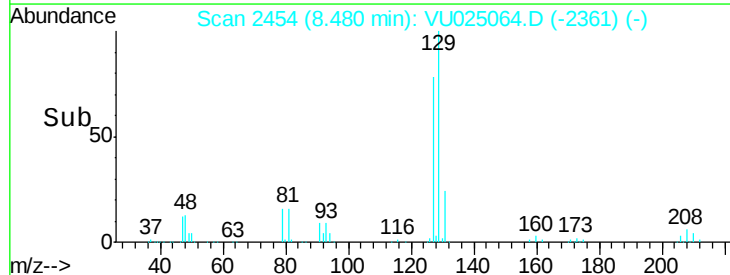
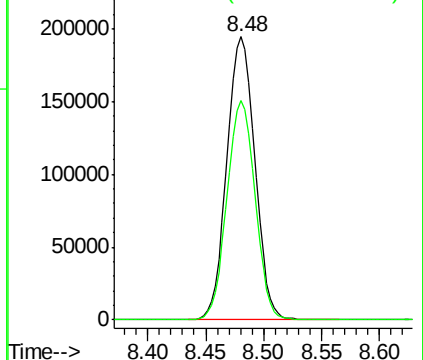


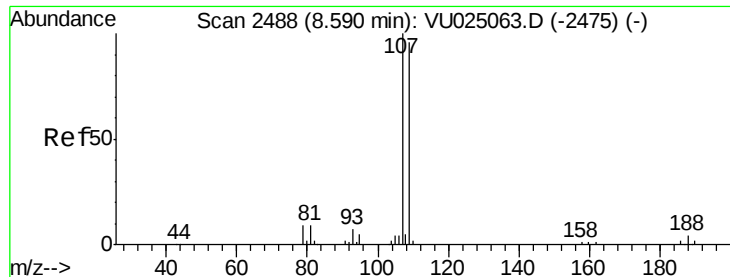
#49
Dibromochloromethane
Concen: 101.426 ug/L
RT: 8.48 min Scan# 2454
Delta R.T. -0.00 min
Lab File: VU025064.D
Acq: 29 Jun 2018 11:46

Tgt Ion: 129 Resp: 325058
Ion Ratio Lower Upper
129 100
127 77.5 54.6 101.4



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

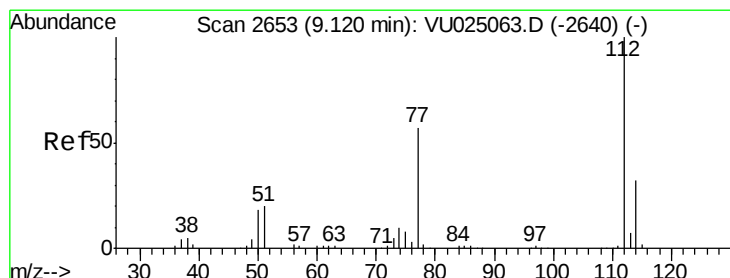
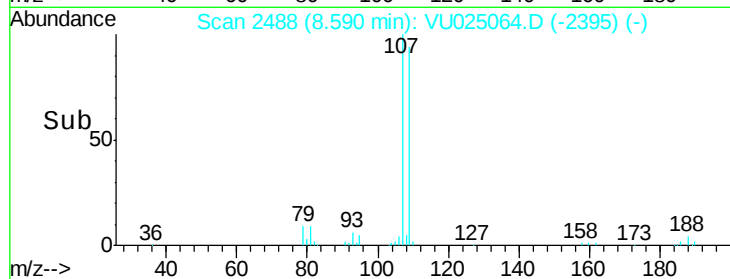
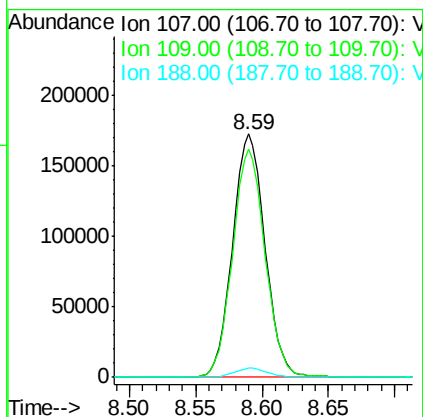
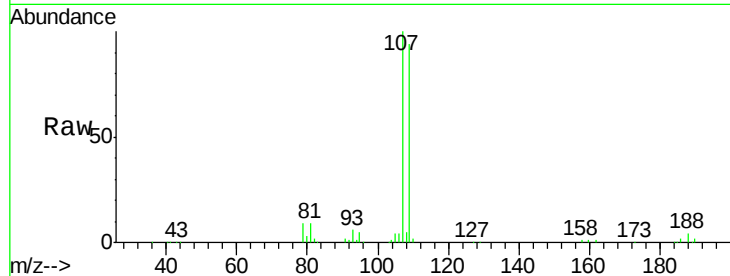




#50
1,2-Dibromoethane
Concen: 101.289 ug/L
RT: 8.59 min Scan# 2488
Delta R.T. -0.00 min
Lab File: VU025064.D
Acq: 29 Jun 2018 11:46

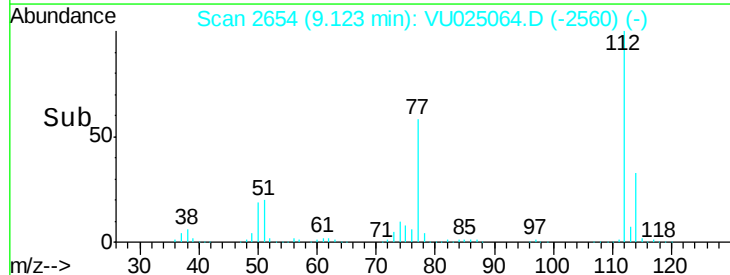
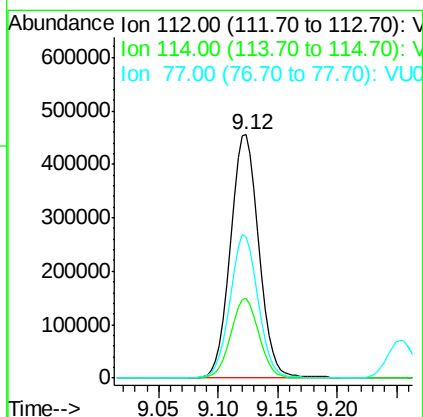
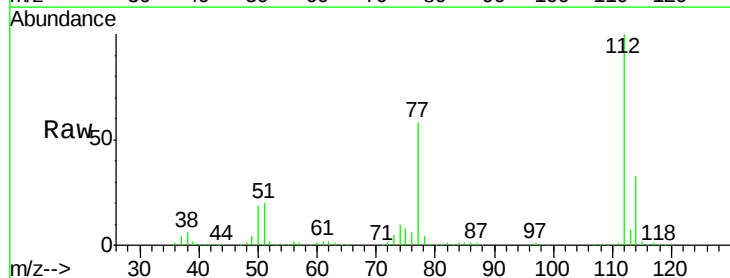
Instrument :
MSVOA_U
ClientSampleId :
VSTD10043

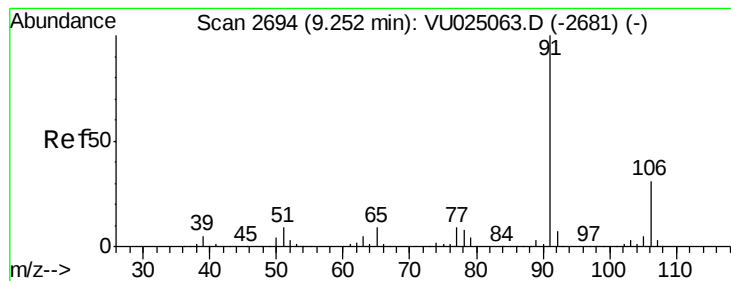
Tgt Ion:107 Resp: 293276
Ion Ratio Lower Upper
107 100
109 93.5 67.1 124.5
188 3.7 3.4 5.0



#51
Chlorobenzene
Concen: 100.871 ug/L
RT: 9.12 min Scan# 2654
Delta R.T. 0.00 min
Lab File: VU025064.D
Acq: 29 Jun 2018 11:46

Tgt Ion:112 Resp: 755878
Ion Ratio Lower Upper
112 100
114 32.6 22.7 42.1
77 58.2 46.2 69.4





#52

Ethylbenzene

Concen: 101.369 ug/L

RT: 9.25 min Scan# 2694

Delta R.T. -0.00 min

Lab File: VU025064.D

Acq: 29 Jun 2018 11:46

Instrument :

MSVOA_U

ClientSampleId :

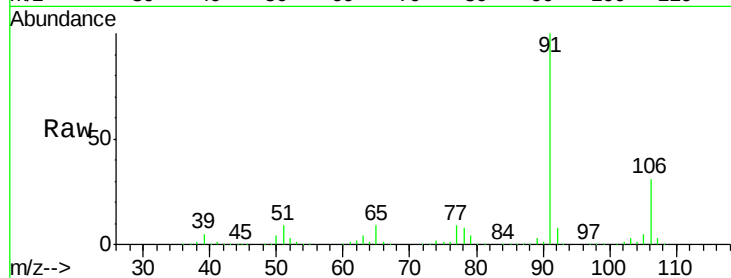
VSTD10043

Tgt Ion: 91 Resp: 1302758

Ion Ratio Lower Upper

91 100

106 31.1 21.6 40.2



Abundance Ion 91.00 (90.70 to 91.70): VU025063.D (-2681) (-)

Ion 106.00 (105.70 to 106.70): VU025063.D (-2681) (-)

800000

600000

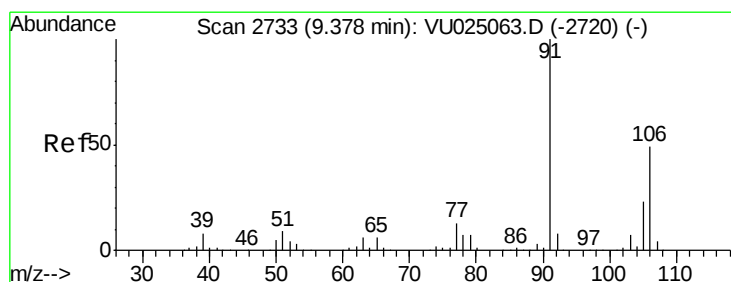
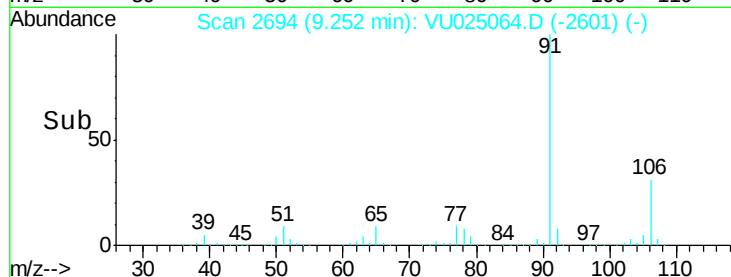
400000

200000

0

9.15 9.20 9.25 9.30 9.35

Time-->



#53

m,p-Xylene

Concen: 102.560 ug/L

RT: 9.38 min Scan# 2733

Delta R.T. -0.00 min

Lab File: VU025064.D

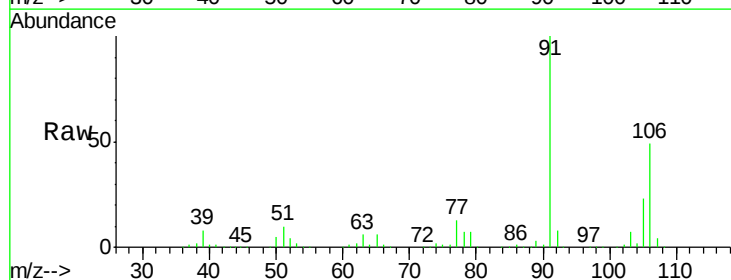
Acq: 29 Jun 2018 11:46

Tgt Ion: 106 Resp: 507280

Ion Ratio Lower Upper

106 100

91 205.4 142.0 263.8



Abundance Ion 106.00 (105.70 to 106.70): VU025063.D (-2720) (-)

Ion 91.00 (90.70 to 91.70): VU025063.D (-2720) (-)

600000

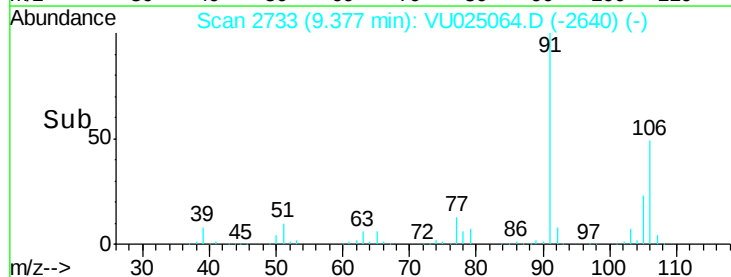
400000

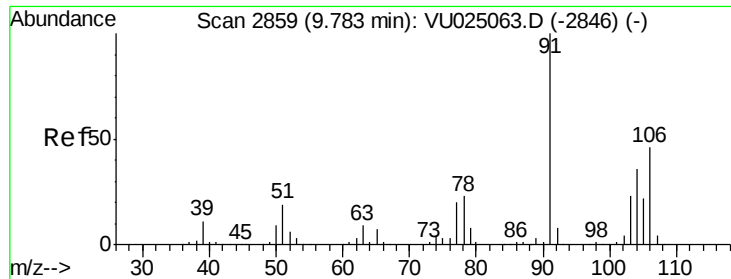
200000

0

9.30 9.35 9.40 9.45

Time-->





#54

o-xylene

Concen: 102.846 ug/L

RT: 9.78 min Scan# 2859

Delta R.T. -0.00 min

Lab File: VU025064.D

Acq: 29 Jun 2018 11:46

Instrument :

MSVOA_U

ClientSampleId :

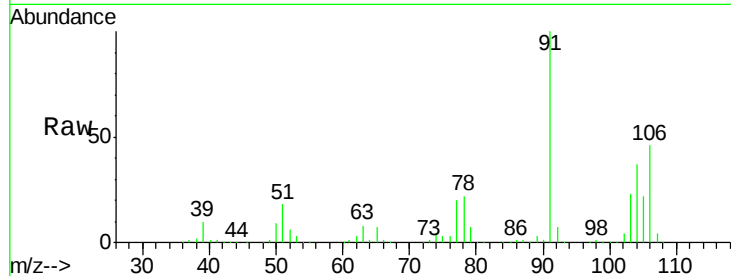
VSTD10043

Tgt Ion:106 Resp: 504228

Ion Ratio Lower Upper

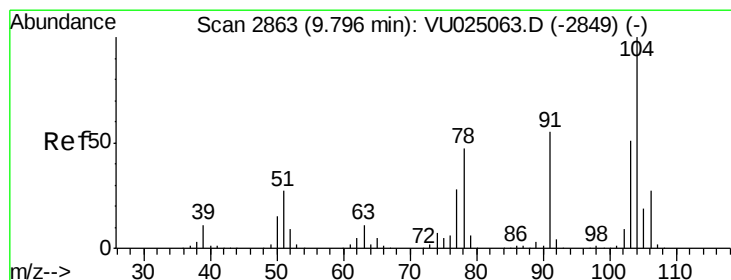
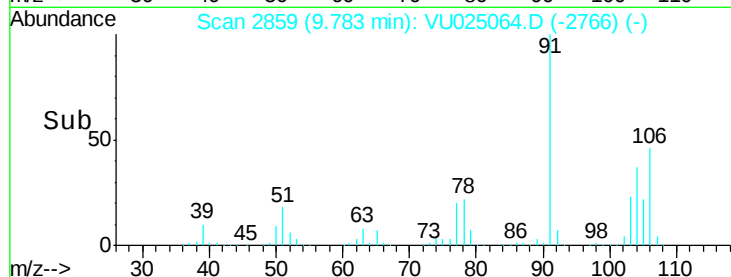
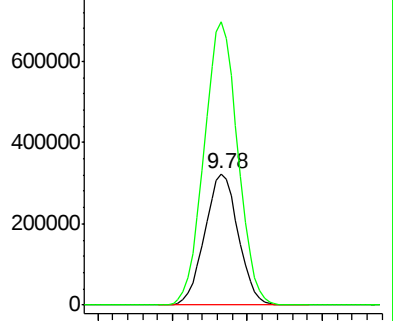
106 100

91 215.5 152.0 282.4



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0



#55

Styrene

Concen: 103.906 ug/L

RT: 9.80 min Scan# 2863

Delta R.T. -0.00 min

Lab File: VU025064.D

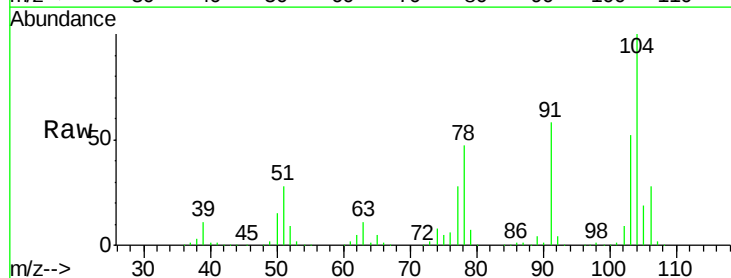
Acq: 29 Jun 2018 11:46

Tgt Ion:104 Resp: 857223

Ion Ratio Lower Upper

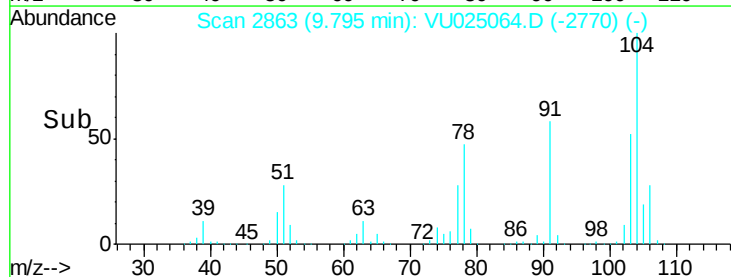
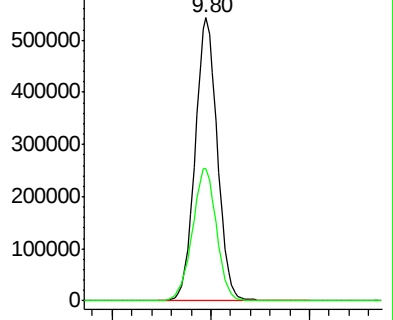
104 100

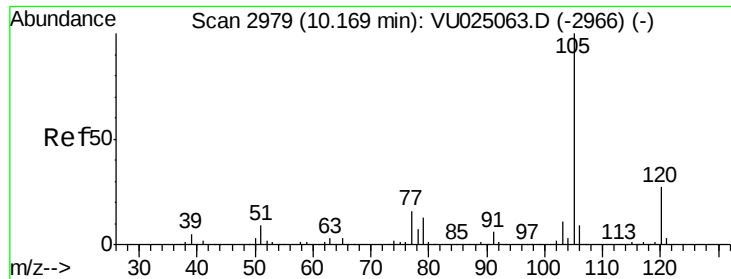
78 46.7 32.6 60.6



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VU0





#56

Isopropylbenzene

Concen: 103.143 ug/L

RT: 10.17 min Scan# 2979

Delta R.T. -0.00 min

Lab File: VU025064.D

Acq: 29 Jun 2018 11:46

Instrument :

MSVOA_U

ClientSampled :

VSTD10043

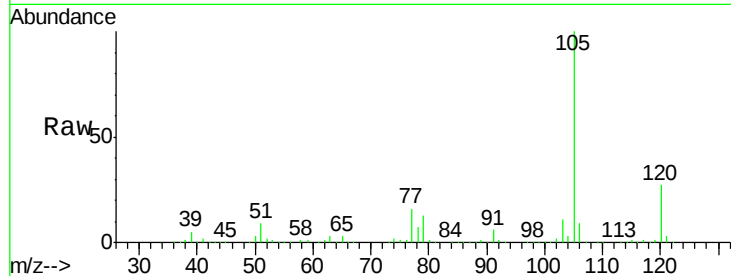
Tgt Ion:105 Resp: 1332334

Ion Ratio Lower Upper

105 100

120 26.9 21.4 32.0

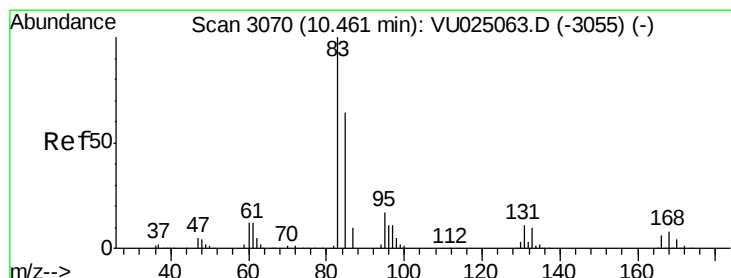
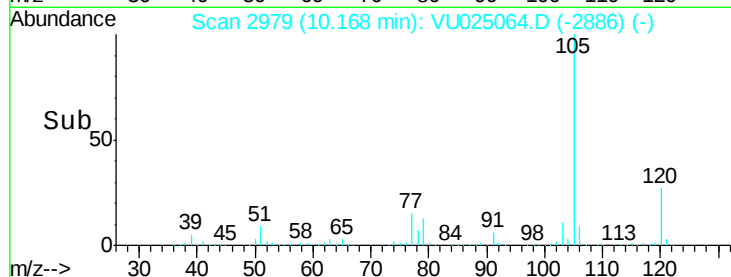
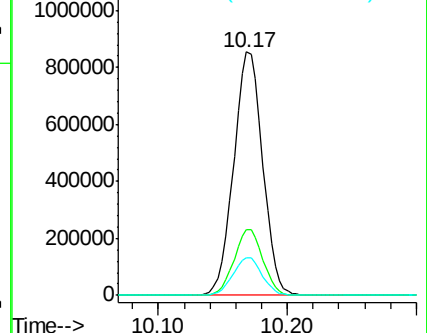
77 15.5 12.5 18.7



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: 99.054 ug/L

RT: 10.46 min Scan# 3070

Delta R.T. -0.00 min

Lab File: VU025064.D

Acq: 29 Jun 2018 11:46

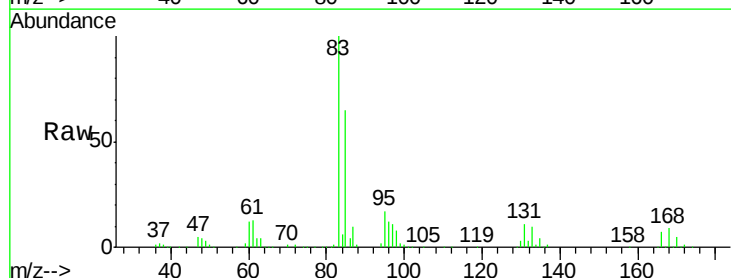
Tgt Ion: 83 Resp: 448894

Ion Ratio Lower Upper

83 100

85 64.9 45.1 83.7

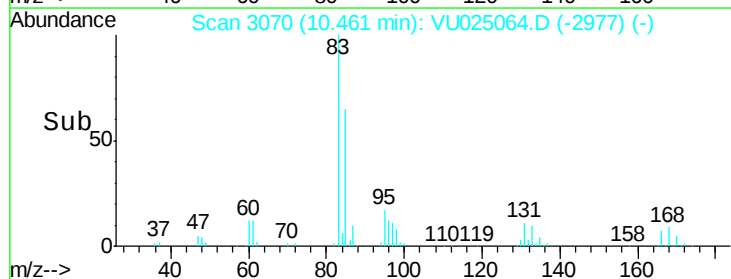
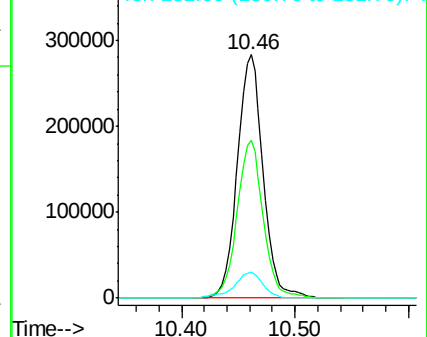
131 10.5 8.7 13.1

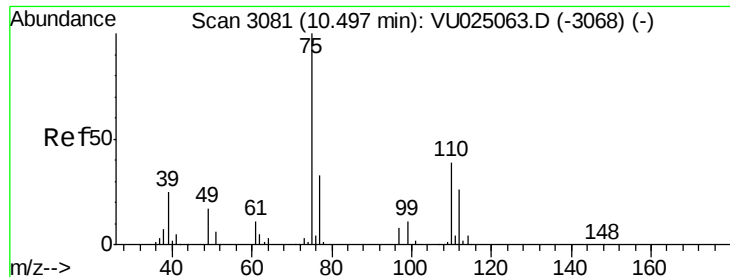


Abundance Ion 83.00 (82.70 to 83.70): VU0

Ion 85.00 (84.70 to 85.70): VU0

Ion 131.00 (130.70 to 131.70): V

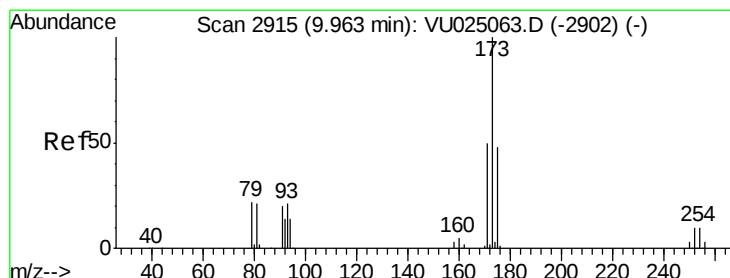
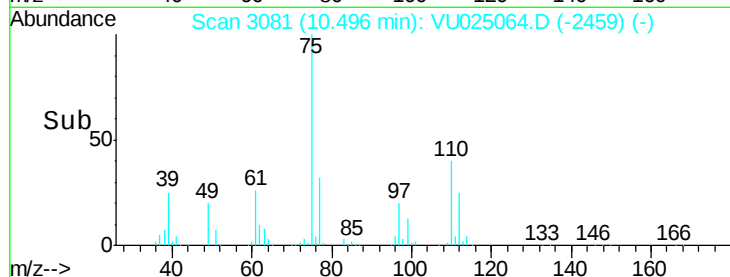
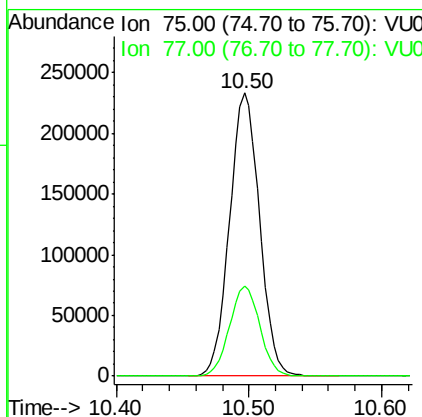
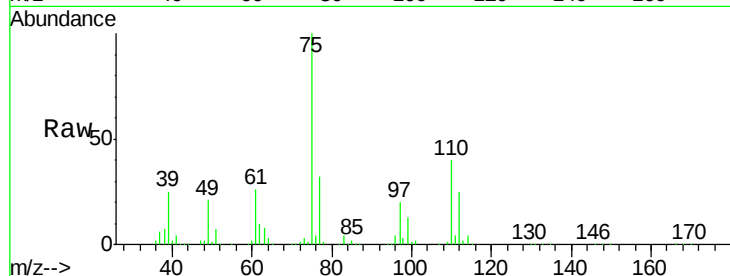




#59
 1,2,3-Trichloropropane
 Concen: 102.297 ug/L
 RT: 10.50 min Scan# 3081
 Delta R.T. -0.00 min
 Lab File: VU025064.D
 Acq: 29 Jun 2018 11:46

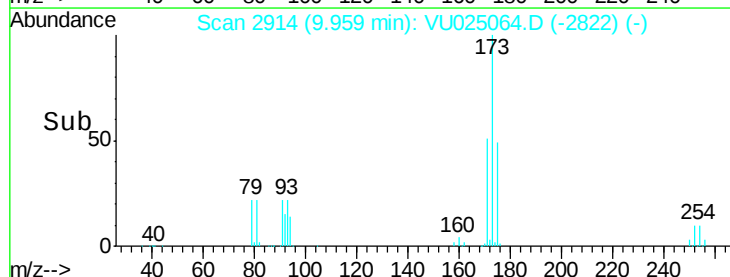
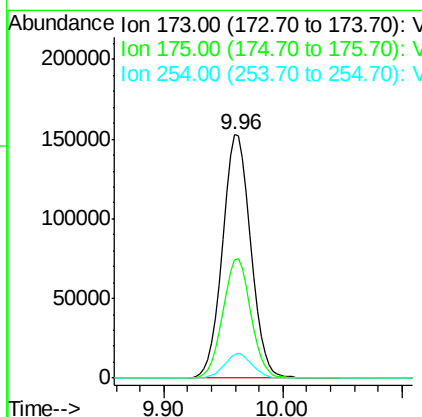
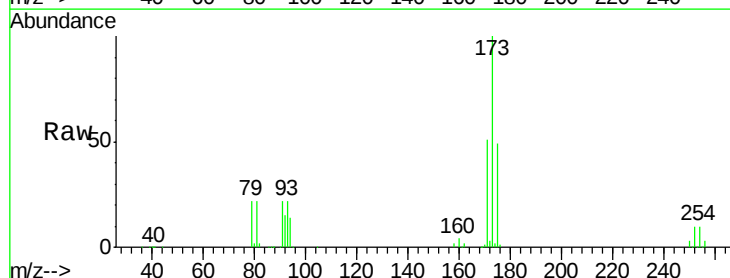
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD10043

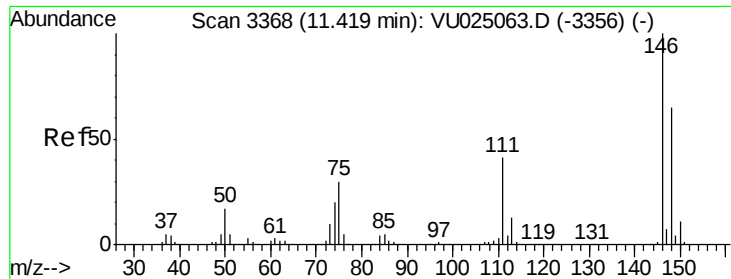
Tgt Ion: 75 Resp: 366449
 Ion Ratio Lower Upper
 75 100
 77 32.3 26.2 39.4



#61
 Bromoform
 Concen: 93.144 ug/L
 RT: 9.96 min Scan# 2914
 Delta R.T. -0.00 min
 Lab File: VU025064.D
 Acq: 29 Jun 2018 11:46

Tgt Ion: 173 Resp: 251588
 Ion Ratio Lower Upper
 173 100
 175 48.5 39.1 58.7
 254 9.7 7.7 11.5





#62

1,3-Dichlorobenzene

Concen: 100.465 ug/L

RT: 11.42 min Scan# 3368

Delta R.T. -0.00 min

Lab File: VU025064.D

Acq: 29 Jun 2018 11:46

Instrument :

MSVOA_U

ClientSampleId :

VSTD10043

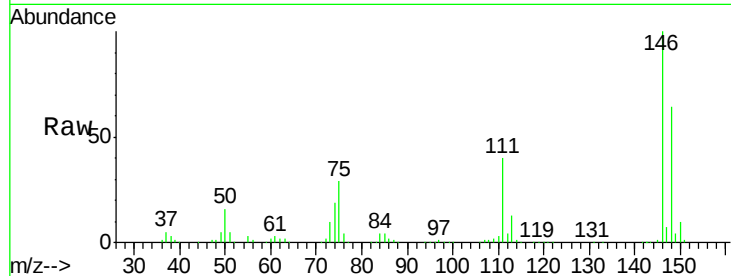
Tgt Ion:146 Resp: 633496

Ion Ratio Lower Upper

146 100

111 40.1 28.7 53.3

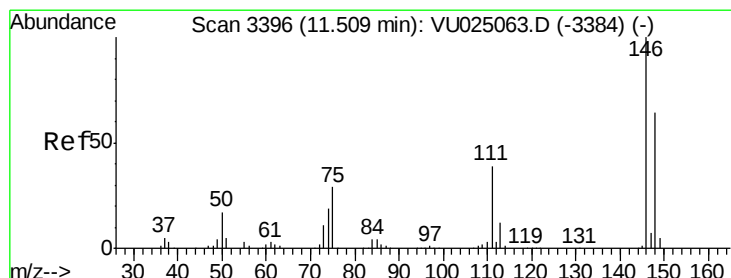
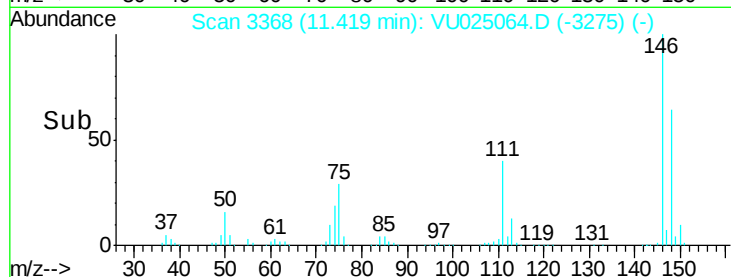
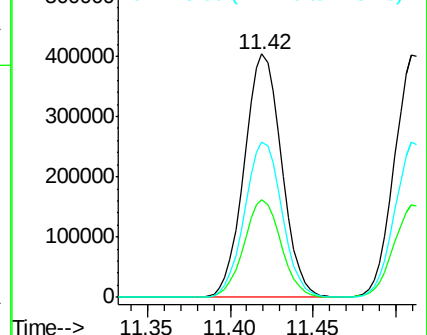
148 64.0 45.3 84.1



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#63

1,4-Dichlorobenzene

Concen: 99.898 ug/L

RT: 11.51 min Scan# 3396

Delta R.T. -0.00 min

Lab File: VU025064.D

Acq: 29 Jun 2018 11:46

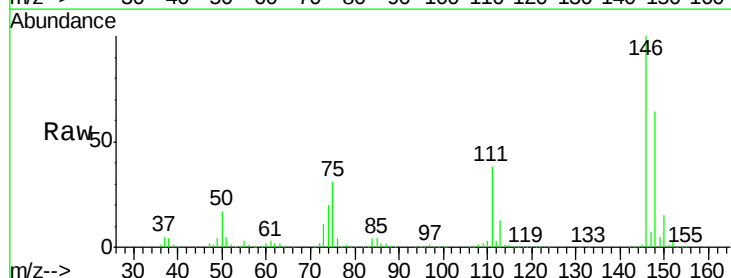
Tgt Ion:146 Resp: 632711

Ion Ratio Lower Upper

146 100

111 38.1 27.7 51.5

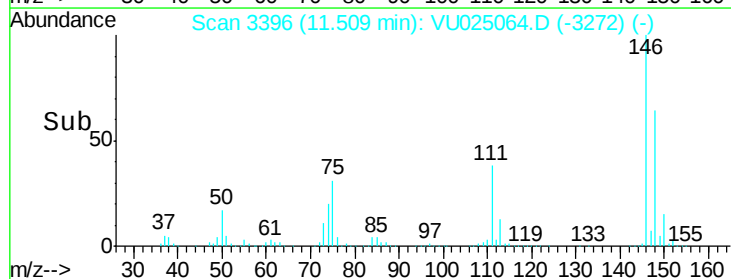
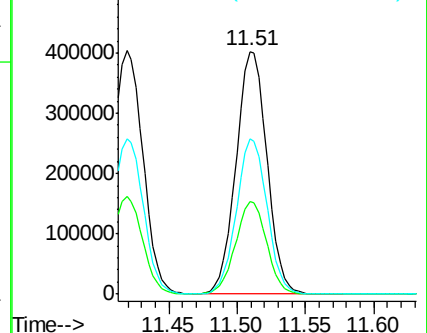
148 63.8 44.7 83.1

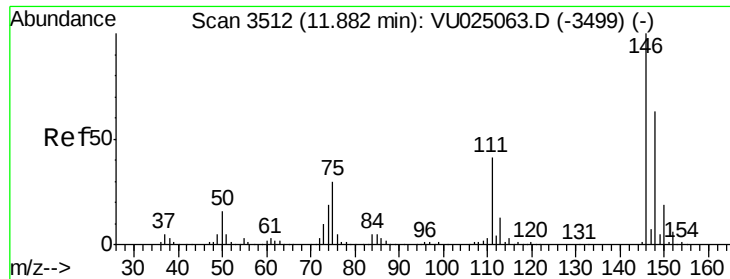


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

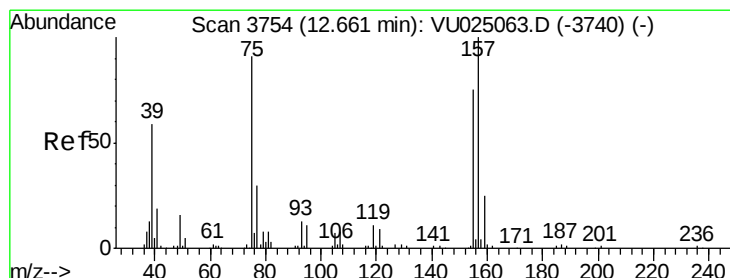
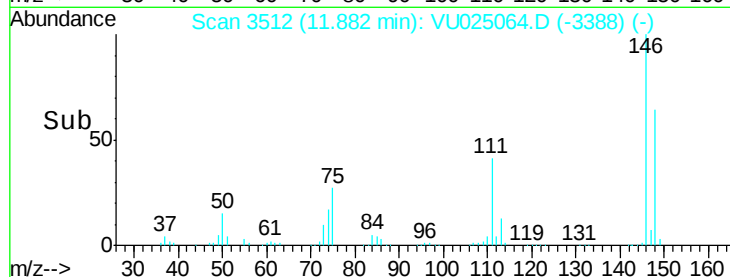
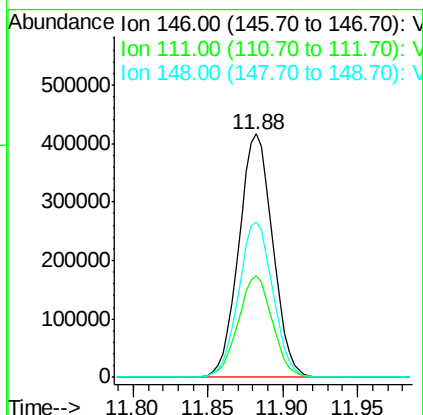
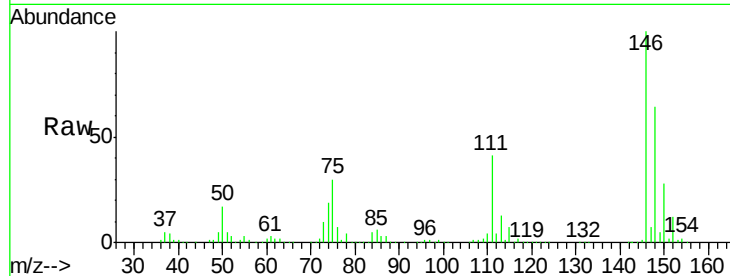




#65
 1,2-Dichlorobenzene
 Concen: 102.550 ug/L
 RT: 11.88 min Scan# 3512
 Delta R.T. -0.00 min
 Lab File: VU025064.D
 Acq: 29 Jun 2018 11:46

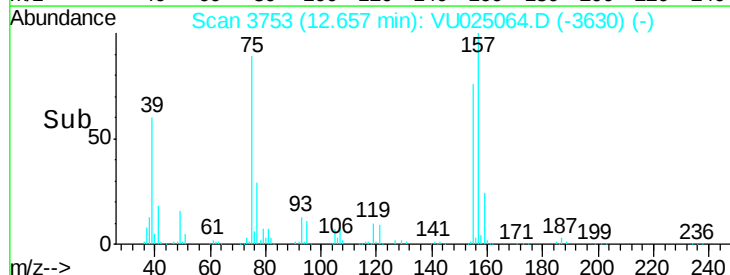
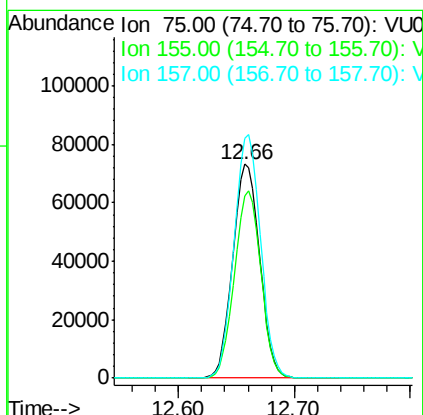
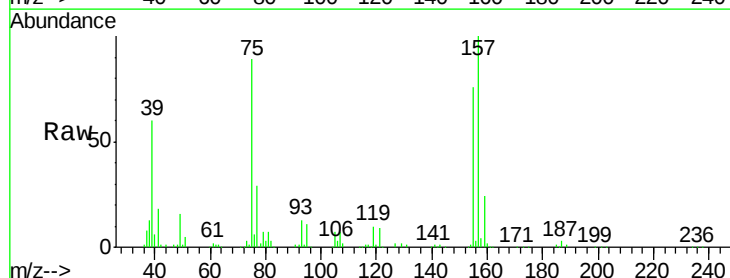
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD10043

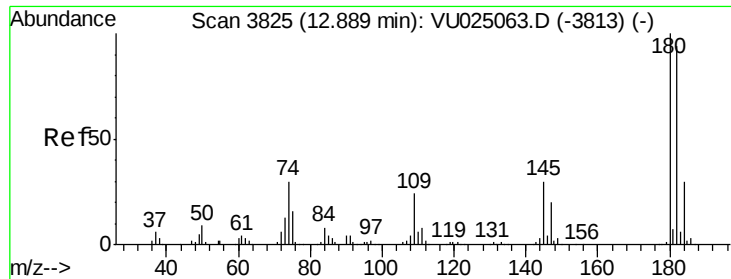
Tgt Ion:146 Resp: 656713
 Ion Ratio Lower Upper
 146 100
 111 41.5 33.0 49.4
 148 64.0 50.1 75.1



#66
 1,2-Dibromo-3-chloropropane
 Concen: 105.294 ug/L
 RT: 12.66 min Scan# 3753
 Delta R.T. -0.00 min
 Lab File: VU025064.D
 Acq: 29 Jun 2018 11:46

Tgt Ion: 75 Resp: 117451
 Ion Ratio Lower Upper
 75 100
 155 84.9 66.3 99.5
 157 112.0 87.9 131.9

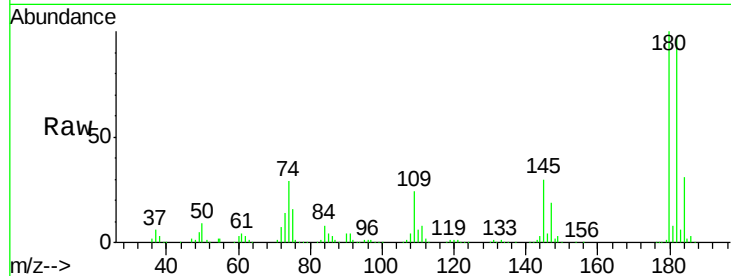




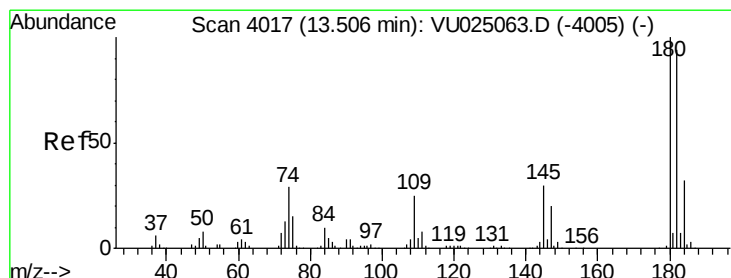
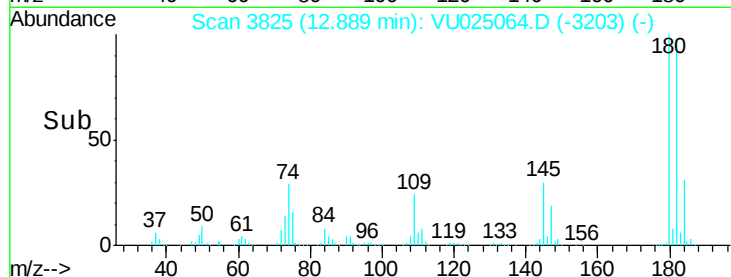
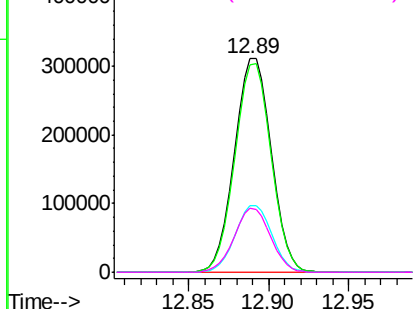
#67
 1,3,5-Trichlorobenzene
 Concen: 98.674 ug/L
 RT: 12.89 min Scan# 3825
 Delta R.T. -0.00 min
 Lab File: VU025064.D
 Acq: 29 Jun 2018 11:46

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD10043

Tgt Ion:180 Resp: 486406
 Ion Ratio Lower Upper
 180 100
 182 96.3 76.8 115.2
 184 31.2 24.3 36.5
 145 29.7 23.8 35.8

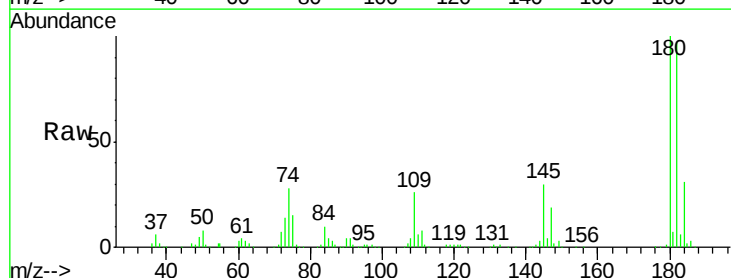


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

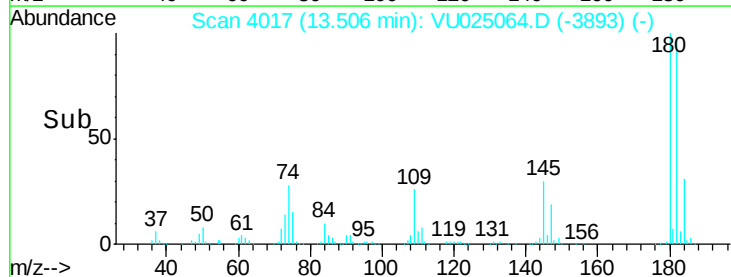
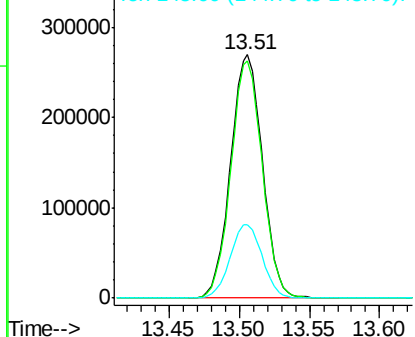


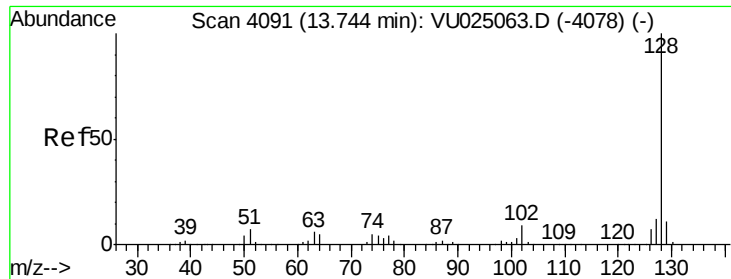
#68
 1,2,4-trichlorobenzene
 Concen: 105.084 ug/L
 RT: 13.51 min Scan# 4017
 Delta R.T. -0.00 min
 Lab File: VU025064.D
 Acq: 29 Jun 2018 11:46

Tgt Ion:180 Resp: 427452
 Ion Ratio Lower Upper
 180 100
 182 95.7 75.9 113.9
 145 30.5 23.8 35.8



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

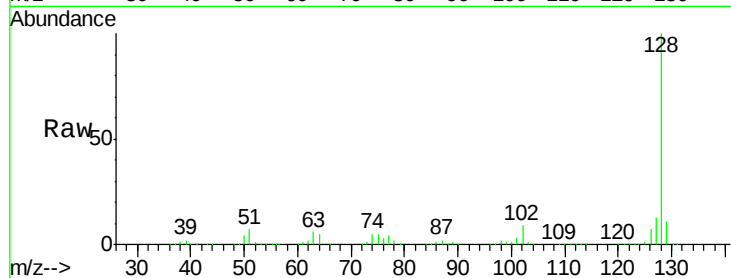




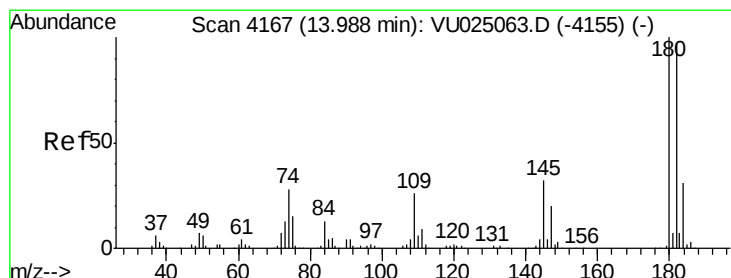
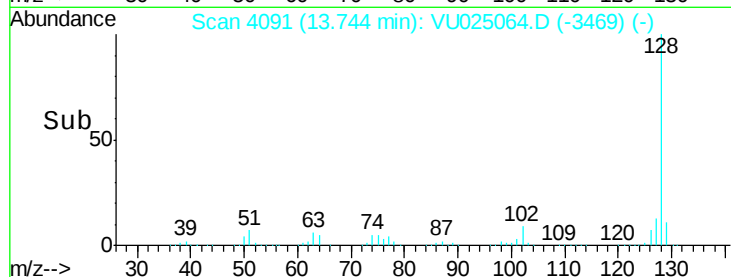
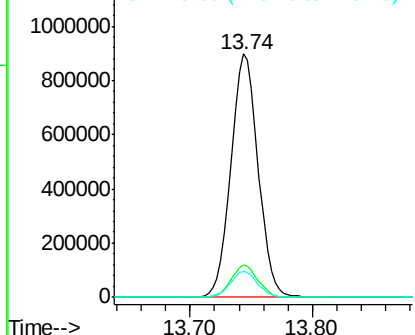
#69
Naphthalene
Concen: 119.062 ug/L
RT: 13.74 min Scan# 4091
Delta R.T. -0.00 min
Lab File: VU025064.D
Acq: 29 Jun 2018 11:46

Instrument :
MSVOA_U
ClientSampleId :
VSTD10043

Tgt Ion:128 Resp: 1395014
Ion Ratio Lower Upper
128 100
127 13.1 10.2 15.2
129 10.8 8.8 13.2

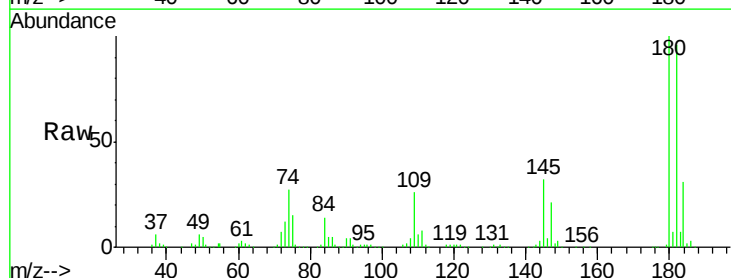


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#70
1,2,3-Trichlorobenzene
Concen: 107.989 ug/L
RT: 13.99 min Scan# 4167
Delta R.T. -0.00 min
Lab File: VU025064.D
Acq: 29 Jun 2018 11:46

Tgt Ion:180 Resp: 450775
Ion Ratio Lower Upper
180 100
182 95.8 77.4 116.0
145 31.8 25.4 38.0



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

