

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU062918\
 Data File : VU025065.D
 Acq On : 29 Jun 2018 12:10
 Operator : MD/SY
 Sample : VSTD20044
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD20044

Quant Time: Jun 29 23:20:04 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	366076	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	342556	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.49	152	198925	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	434464	205.09	ug/L	0.00
7) Chloroethane-d5	1.66	69	351290	214.18	ug/L	-0.01
11) 1,1-Dichloroethene-d2	2.27	63	943720	219.53	ug/L	0.00
21) 2-Butanone-d5	4.18	46	756681	421.35	ug/L	0.00
24) Chloroform-d	4.65	84	966458	224.09	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.31	65	642290	231.34	ug/L	0.00
32) Benzene-d6	5.35	84	1838403	216.05	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.33	67	580221	206.64	ug/L	0.00
41) Toluene-d8	7.57	98	1819808	212.77	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.85	79	311116	217.96	ug/L	0.00
47) 2-Hexanone-d5	8.31	63	601406	424.50	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.44	84	907201	221.65	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.86	152	863442	219.18	ug/L	0.00

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	654858	216.468	ug/L	100
3) Chloromethane	1.33	50	531067	199.503	ug/L	100
5) Vinyl chloride	1.40	62	561356	197.299	ug/L	99
6) Bromomethane	1.61	94	255816	184.574	ug/L	96
8) Chloroethane	1.69	64	337041	200.133	ug/L	97
9) Trichlorofluoromethane	1.88	101	794074	189.327	ug/L	98
10) 1,1,2-Trichloro-1,2,2-trif	2.28	101	482834	202.408	ug/L	100
12) 1,1-Dichloroethene	2.28	96	444819	203.422	ug/L	94
13) Acetone	2.32	43	669324	352.427	ug/L	100
14) Carbon disulfide	2.48	76	1381433	196.497	ug/L	100
15) Methyl Acetate	2.61	43	566363	195.777	ug/L	100
16) Methylene chloride	2.70	84	513704	192.317	ug/L	100
17) trans-1,2-Dichloroethene	2.98	96	480145	195.996	ug/L	99
18) Methyl tert-butyl Ether	3.00	73	1671800	206.168	ug/L	99
19) 1,1-Dichloroethane	3.45	63	913272	200.379	ug/L	100
20) cis-1,2-Dichloroethene	4.23	96	556539	194.623	ug/L	98
22) 2-Butanone	4.26	43	886115	370.689	ug/L	100
23) Bromochloromethane	4.55	128	287760	200.329	ug/L	97
25) Chloroform	4.68	83	969690	204.603	ug/L	99
27) 1,2-Dichloroethane	5.41	62	803936	216.912	ug/L	99
29) Cyclohexane	5.00	56	859626	201.778	ug/L	99
30) 1,1,1-Trichloroethane	4.92	97	894913	210.986	ug/L	99
31) Carbon tetrachloride	5.14	117	816136	211.653	ug/L	100
33) Benzene	5.39	78	2001781	197.800	ug/L	100
34) Trichloroethene	6.19	95	548504	197.052	ug/L	99
35) Methylcyclohexane	6.42	83	900425	200.967	ug/L	99
37) 1,2-Dichloropropane	6.44	63	542239	193.500	ug/L	100
38) Bromodichloromethane	6.76	83	749977	202.979	ug/L	100
39) cis-1,3-Dichloropropene	7.27	75	907312	204.847	ug/L	98
40) 4-Methyl-2-pentanone	7.46	43	1613300	389.225	ug/L	100

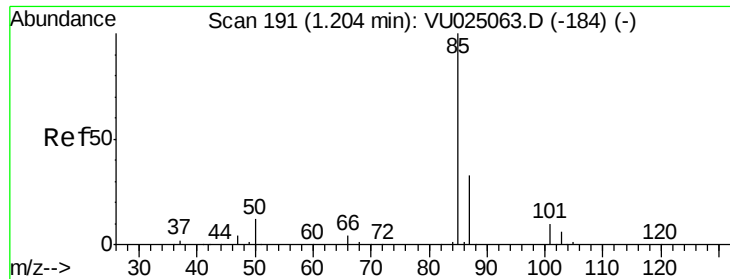
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU062918\
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.64	91	2243690	199.657	ug/L	100
44) trans-1,3-Dichloropropene	7.88	75	845831	210.258	ug/L	100
45) 1,1,2-Trichloroethane	8.07	97	526991	199.205	ug/L	99
46) Tetrachloroethene	8.23	164	471080	201.540	ug/L	99
48) 2-Hexanone	8.36	43	1345424	401.555	ug/L	100
49) Dibromochloromethane	8.48	129	669106	208.766	ug/L	98
50) 1,2-Dibromoethane	8.59	107	587358	202.845	ug/L	98
51) Chlorobenzene	9.12	112	1504391	200.748	ug/L	100
52) Ethylbenzene	9.25	91	2591035	201.601	ug/L	99
53) m,p-Xylene	9.38	106	1005687	203.315	ug/L	99
54) o-xylene	9.78	106	1010330	206.064	ug/L	99
55) Styrene	9.80	104	1735262	210.324	ug/L	100
56) Isopropylbenzene	10.17	105	2667570	206.499	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.46	83	937456	206.849	ug/L	100
59) 1,2,3-Trichloropropane	10.50	75	747836	208.753	ug/L	98
61) Bromoform	9.96	173	533899	186.122	ug/L	100
62) 1,3-Dichlorobenzene	11.42	146	1334314	199.253	ug/L	98
63) 1,4-Dichlorobenzene	11.51	146	1345906	200.096	ug/L	99
65) 1,2-Dichlorobenzene	11.88	146	1389707	204.342	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.66	75	247805	209.185	ug/L	94
67) 1,3,5-Trichlorobenzene	12.89	180	1048806	200.343	ug/L	100
68) 1,2,4-trichlorobenzene	13.51	180	940572	217.729	ug/L	99
69) Naphthalene	13.74	128	2994743	240.673	ug/L	100
70) 1,2,3-Trichlorobenzene	13.99	180	965849	217.873	ug/L	99

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



#2

Dichlorodifluoromethane

Concen: 216.468 ug/L

RT: 1.20 min Scan# 191

Delta R.T. -0.00 min

Lab File: VU025065.D

Acq: 29 Jun 2018 12:10

Instrument :

MSVOA_U

ClientSampleId :

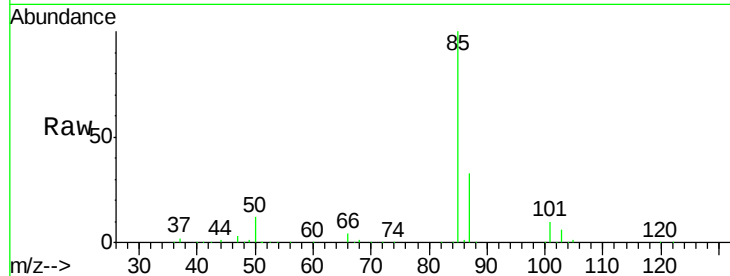
VSTD20044

Tgt Ion: 85 Resp: 654858

Ion Ratio Lower Upper

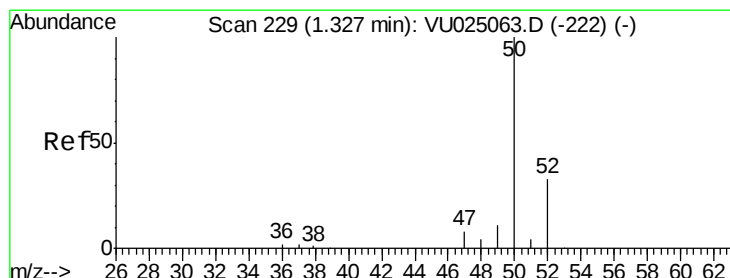
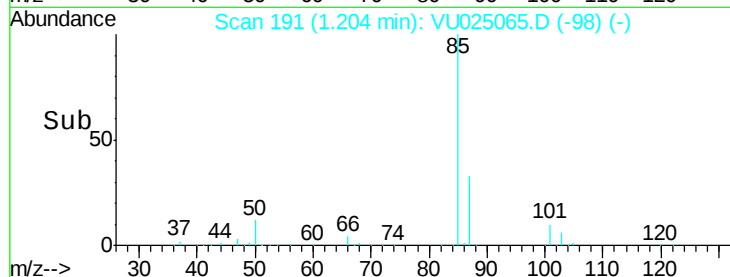
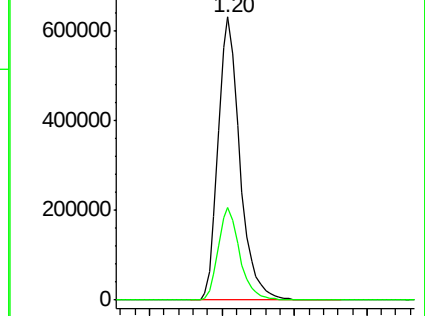
85 100

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: 199.503 ug/L

RT: 1.33 min Scan# 229

Delta R.T. -0.00 min

Lab File: VU025065.D

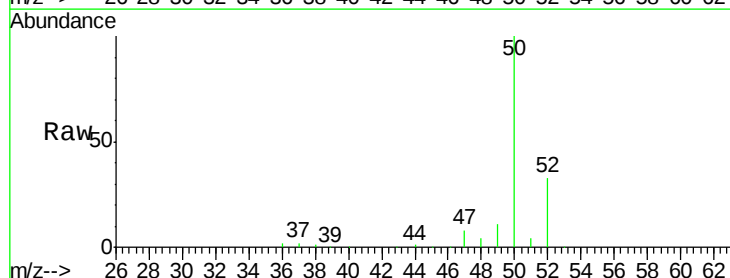
Acq: 29 Jun 2018 12:10

Tgt Ion: 50 Resp: 531067

Ion Ratio Lower Upper

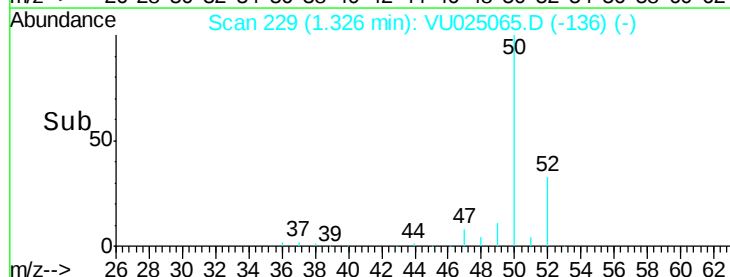
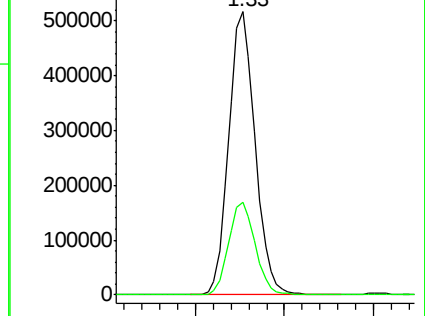
50 100

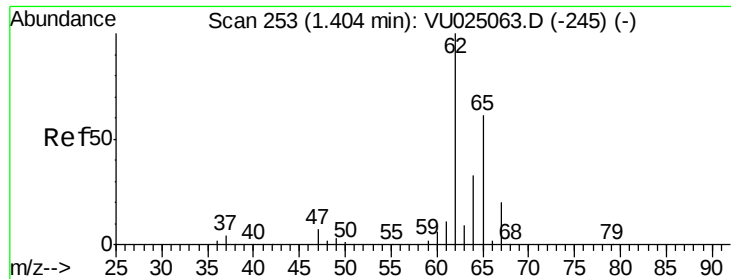
52 32.8 23.1 42.9



Abundance Ion 50.00 (49.70 to 50.70): VU0

Ion 52.00 (51.70 to 52.70): VU0





#5

Vinyl chloride

Concen: 197.299 ug/L

RT: 1.40 min Scan# 253

Delta R.T. -0.00 min

Lab File: VU025065.D

Acq: 29 Jun 2018 12:10

Instrument :

MSVOA_U

ClientSampleId :

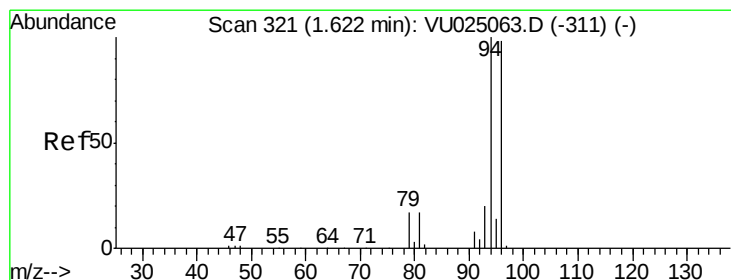
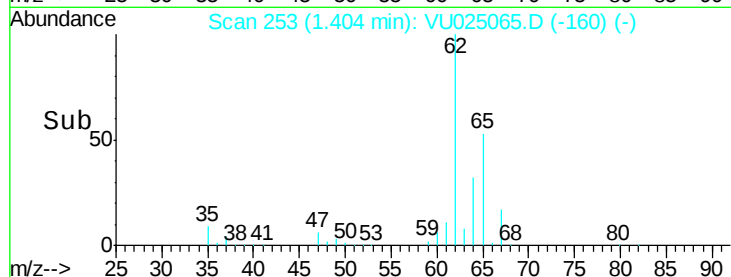
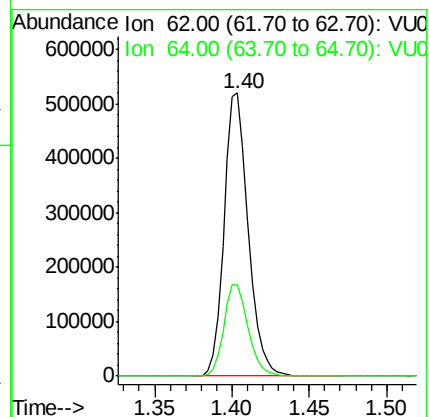
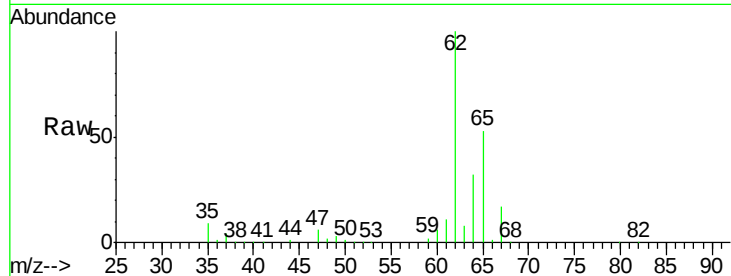
VSTD20044

Tgt Ion: 62 Resp: 561356

Ion Ratio Lower Upper

62 100

64 32.4 23.0 42.8



#6

Bromomethane

Concen: 184.574 ug/L

RT: 1.61 min Scan# 317

Delta R.T. -0.01 min

Lab File: VU025065.D

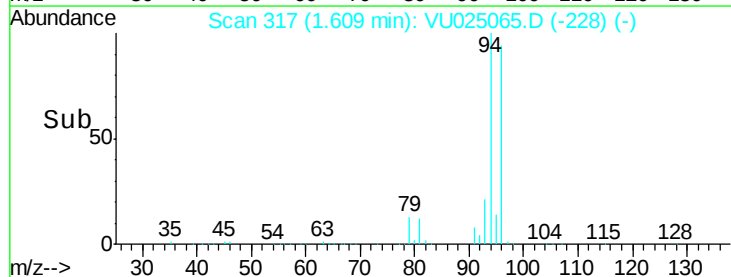
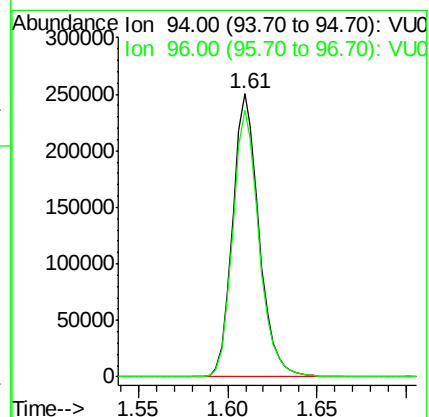
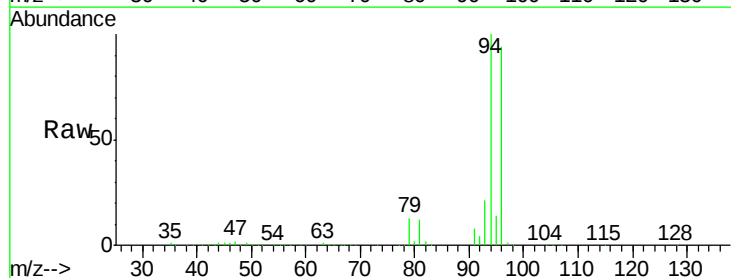
Acq: 29 Jun 2018 12:10

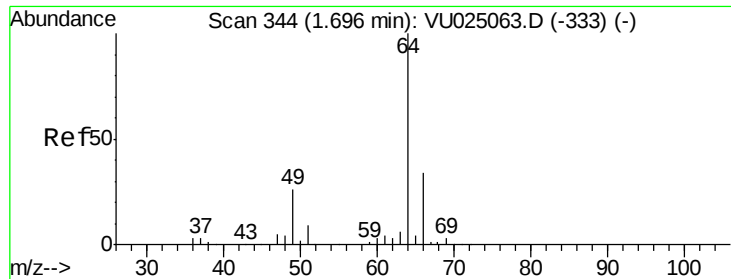
Tgt Ion: 94 Resp: 255816

Ion Ratio Lower Upper

94 100

96 94.1 68.4 127.0





#8

Chloroethane

Concen: 200.133 ug/L

RT: 1.69 min Scan# 341

Delta R.T. -0.01 min

Lab File: VU025065.D

Acq: 29 Jun 2018 12:10

Instrument :

MSVOA_U

ClientSampleId :

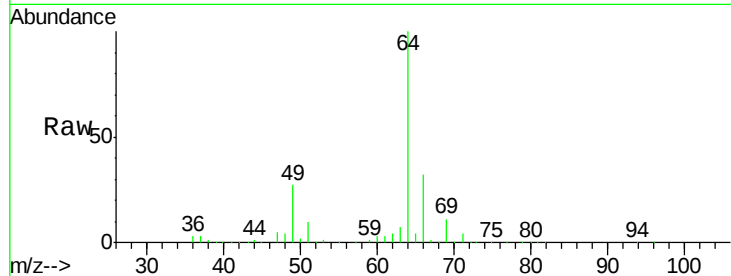
VSTD20044

Tgt Ion: 64 Resp: 337041

Ion Ratio Lower Upper

64 100

66 32.3 23.8 44.2



Abundance Ion 64.00 (63.70 to 64.70): VU025063.D (-333) (-)

Ion 66.00 (65.70 to 66.70): VU025063.D (-333) (-)

1.69

250000

200000

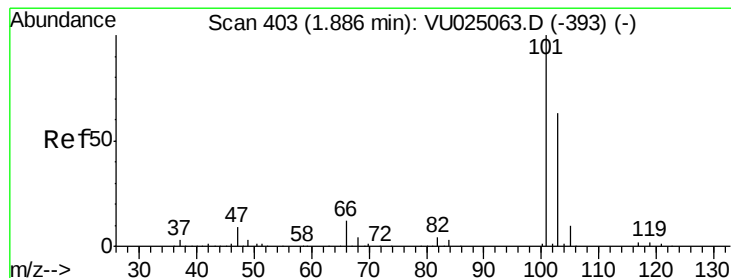
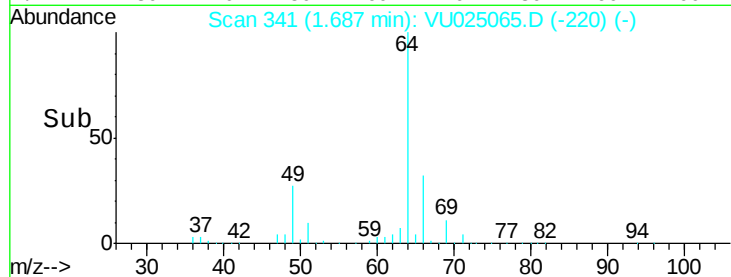
150000

100000

50000

0

Time--> 1.60 1.65 1.70 1.75 1.80



#9

Trichlorofluoromethane

Concen: 189.327 ug/L

RT: 1.88 min Scan# 402

Delta R.T. -0.00 min

Lab File: VU025065.D

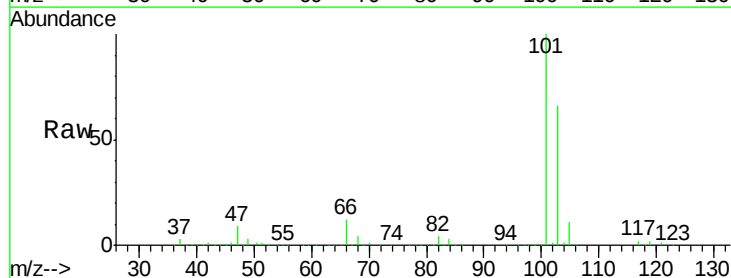
Acq: 29 Jun 2018 12:10

Tgt Ion: 101 Resp: 794074

Ion Ratio Lower Upper

101 100

103 65.3 51.1 76.7



Abundance Ion 101.00 (100.70 to 101.70): VU025063.D (-393) (-)

Ion 103.00 (102.70 to 103.70): VU025063.D (-393) (-)

1.88

600000

500000

400000

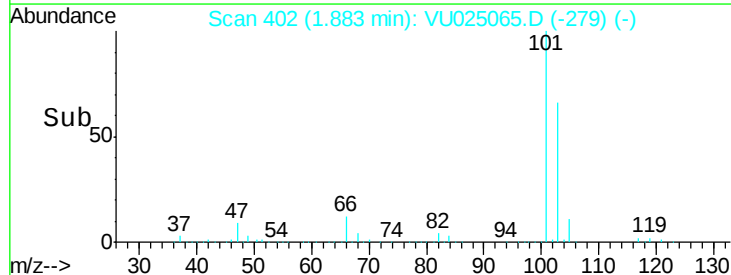
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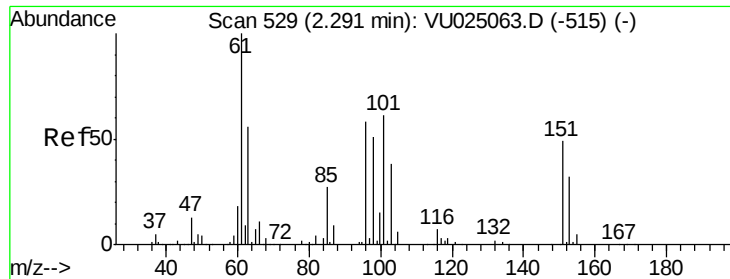
200000

100000

0

Time--> 1.80 1.90 2.00





#10

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

Concen: 202.408 ug/L

RT: 2.28 min Scan# 527

Delta R.T. -0.01 min

Lab File: VU025065.D

Acq: 29 Jun 2018 12:10

Instrument :

MSVOA_U

ClientSampleId :

VSTD20044

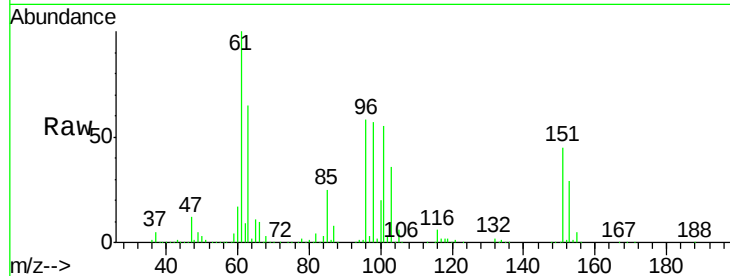
Tgt Ion: 101 Resp: 482834

Ion Ratio Lower Upper

101 100

85 44.3 35.8 53.6

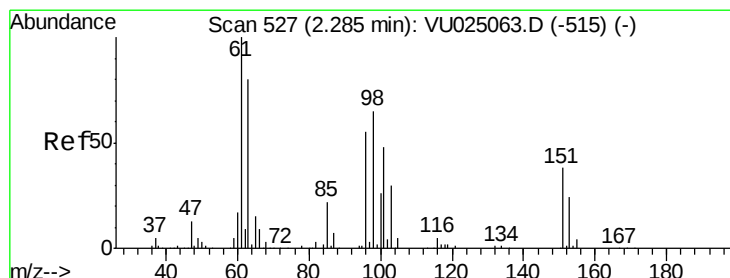
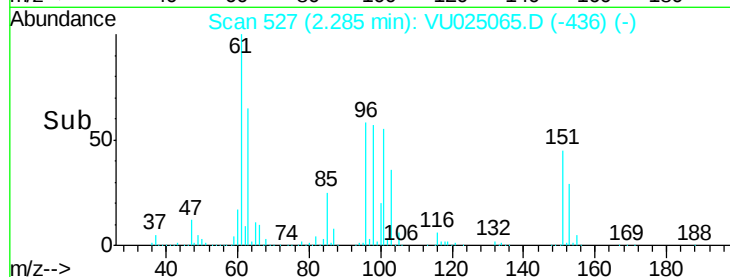
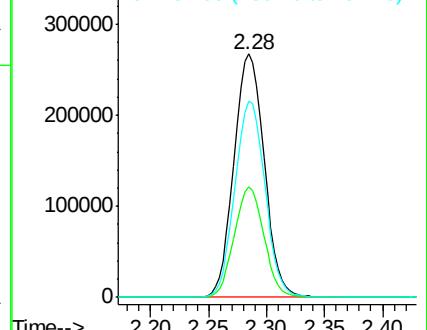
151 80.4 64.6 96.8



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: 203.422 ug/L

RT: 2.28 min Scan# 526

Delta R.T. -0.00 min

Lab File: VU025065.D

Acq: 29 Jun 2018 12:10

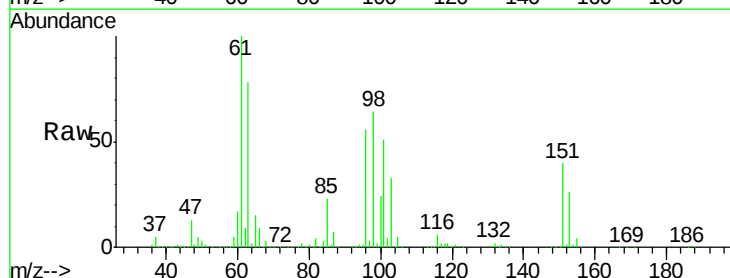
Tgt Ion: 96 Resp: 444819

Ion Ratio Lower Upper

96 100

61 177.2 128.1 237.9

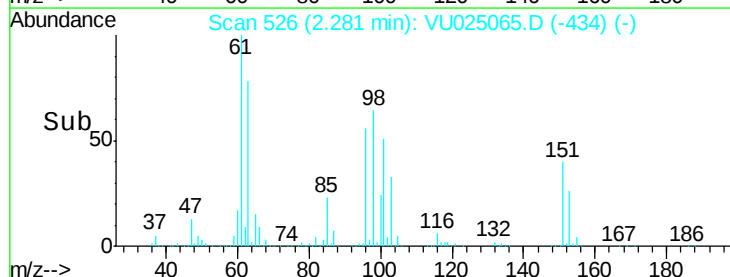
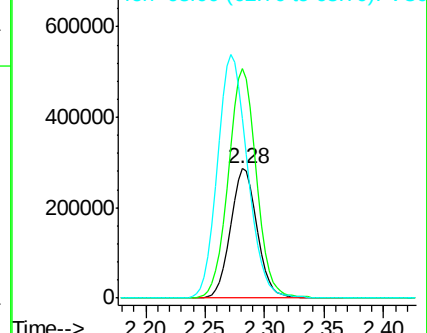
63 138.5 103.6 192.4

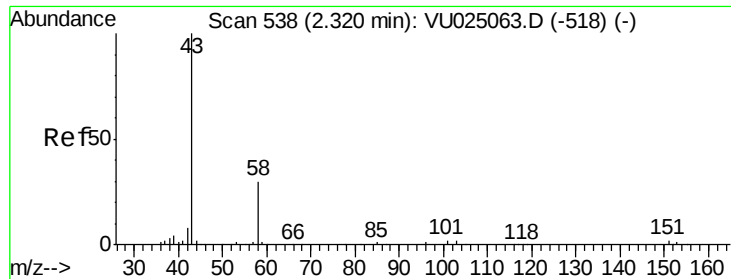


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 352.427 ug/L

RT: 2.32 min Scan# 539

Delta R.T. 0.00 min

Lab File: VU025065.D

Acq: 29 Jun 2018 12:10

Instrument :

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ClientSampleId :

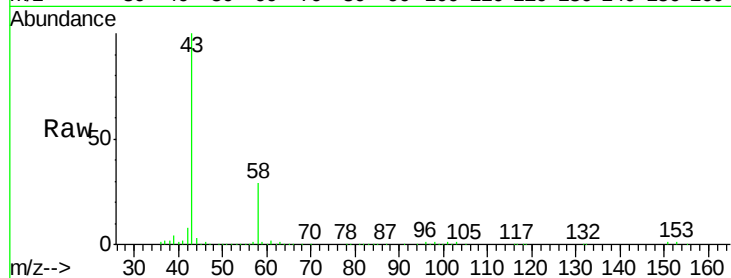
VSTD20044

Tgt Ion: 43 Resp: 669324

Ion Ratio Lower Upper

43 100

58 29.5 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

400000

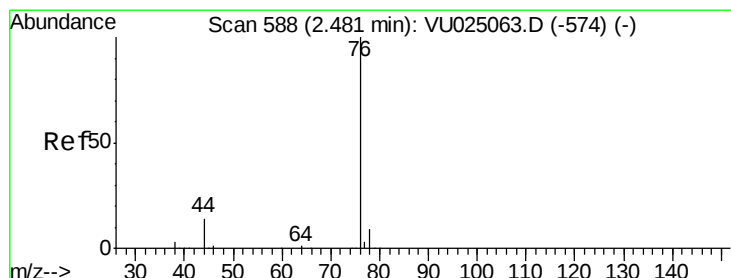
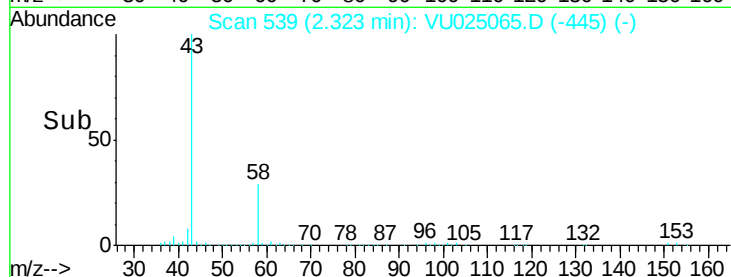
300000

200000

100000

0

Time-->



#14

Carbon disulfide

Concen: 196.497 ug/L

RT: 2.48 min Scan# 587

Delta R.T. -0.00 min

Lab File: VU025065.D

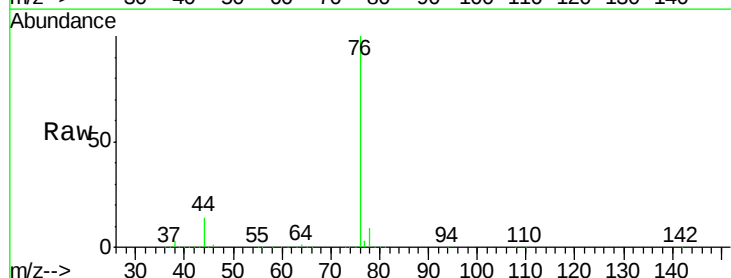
Acq: 29 Jun 2018 12:10

Tgt Ion: 76 Resp: 1381433

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

800000

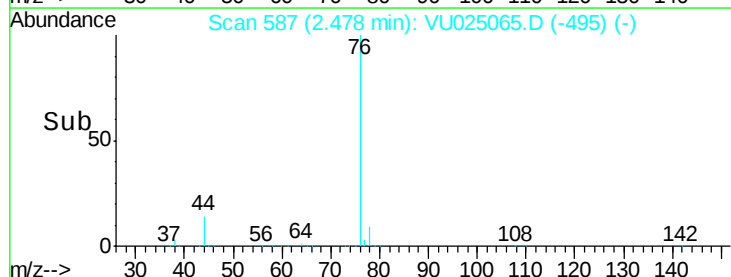
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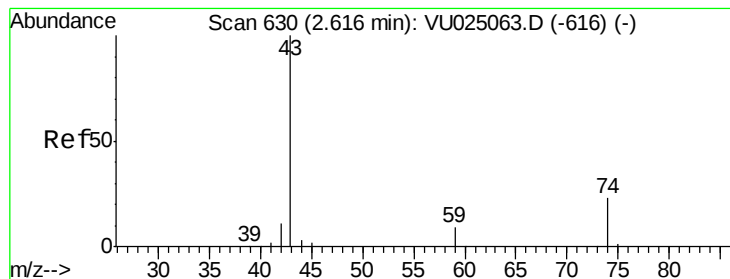
400000

200000

0

Time-->





#15

Methyl Acetate

Concen: 195.777 ug/L

RT: 2.61 min Scan# 629

Delta R.T. -0.00 min

Lab File: VU025065.D

Acq: 29 Jun 2018 12:10

Instrument :

MSVOA_U

ClientSampleId :

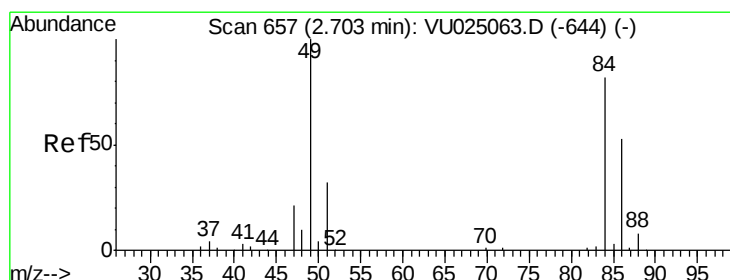
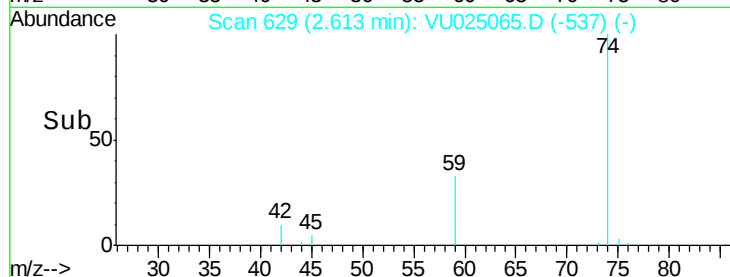
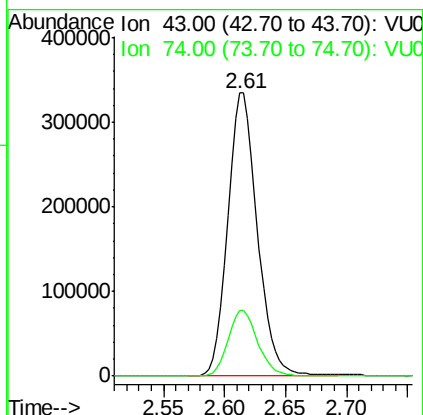
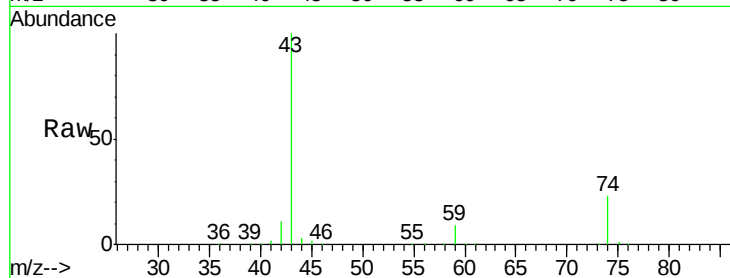
VSTD20044

Tgt Ion: 43 Resp: 566363

Ion Ratio Lower Upper

43 100

74 23.3 18.6 28.0



#16

Methylene chloride

Concen: 192.317 ug/L

RT: 2.70 min Scan# 657

Delta R.T. -0.00 min

Lab File: VU025065.D

Acq: 29 Jun 2018 12:10

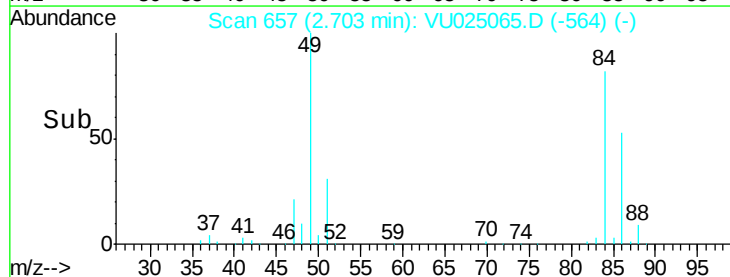
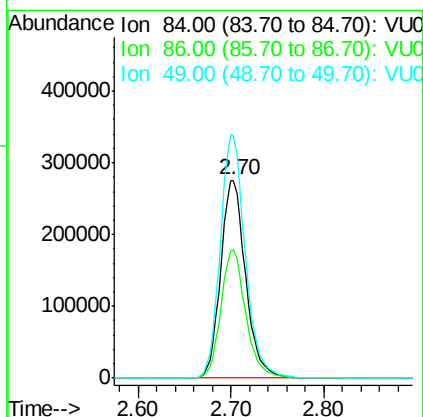
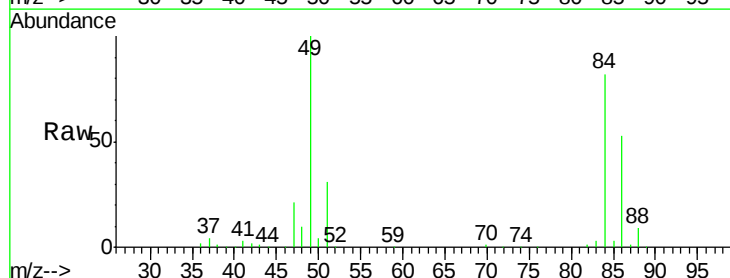
Tgt Ion: 84 Resp: 513704

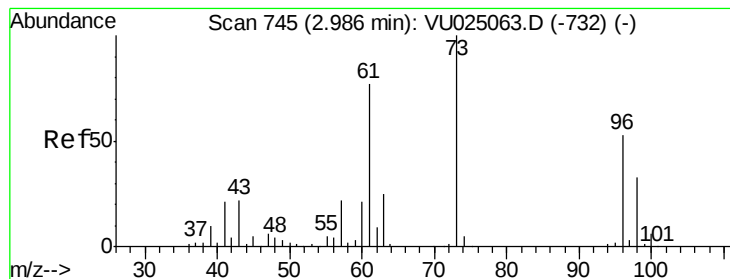
Ion Ratio Lower Upper

84 100

86 64.6 44.9 83.5

49 122.2 85.6 159.0





#17

trans-1,2-Dichloroethene

Concen: 195.996 ug/L

RT: 2.98 min Scan# 744

Delta R.T. -0.00 min

Lab File: VU025065.D

Acq: 29 Jun 2018 12:10

Instrument :

MSVOA_U

ClientSampleId :

VSTD20044

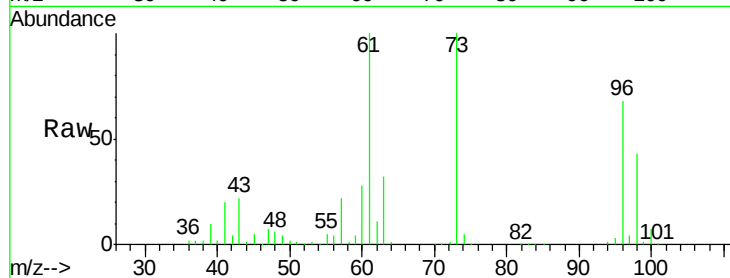
Tgt Ion: 96 Resp: 480145

Ion Ratio Lower Upper

96 100

61 147.7 102.7 190.7

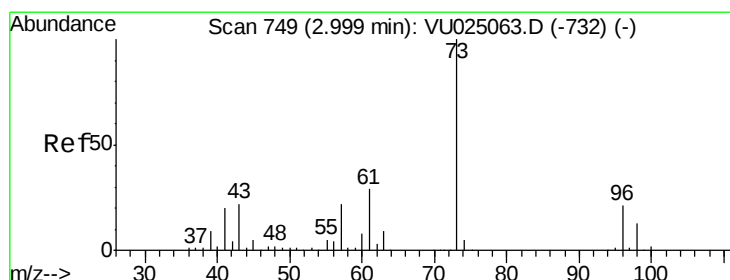
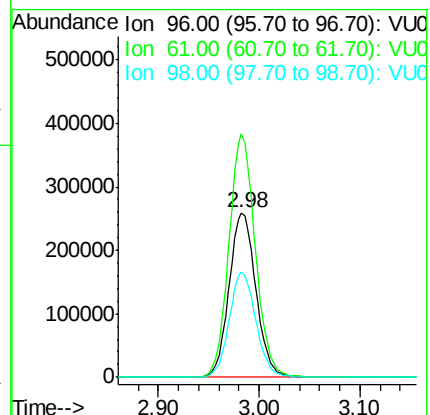
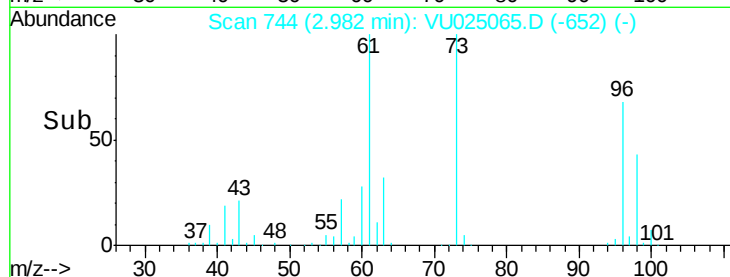
98 63.8 44.4 82.5



Abundance Ion 96.00 (95.70 to 96.70): VU025063.D (-732) (-)

Ion 61.00 (60.70 to 61.70): VU025063.D (-732) (-)

Ion 98.00 (97.70 to 98.70): VU025063.D (-732) (-)



#18

Methyl tert-butyl Ether

Concen: 206.168 ug/L

RT: 3.00 min Scan# 749

Delta R.T. -0.00 min

Lab File: VU025065.D

Acq: 29 Jun 2018 12:10

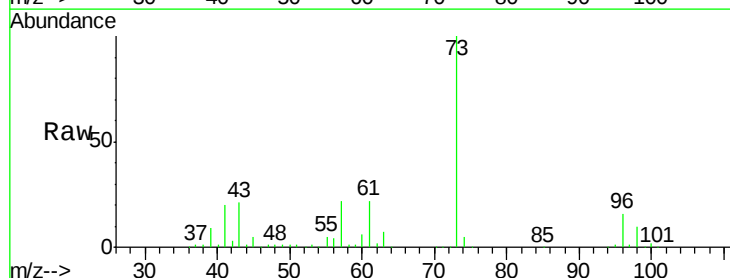
Tgt Ion: 73 Resp: 1671800

Ion Ratio Lower Upper

73 100

43 21.0 17.2 25.8

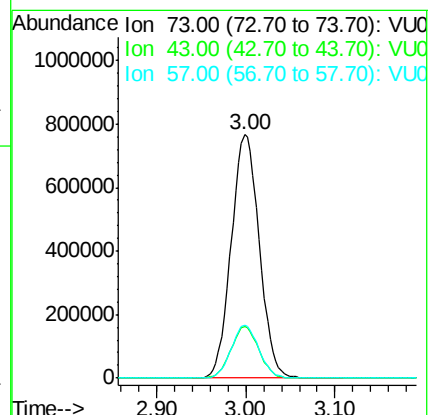
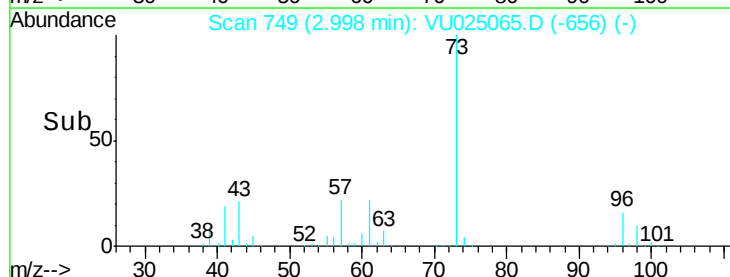
57 21.4 17.2 25.8

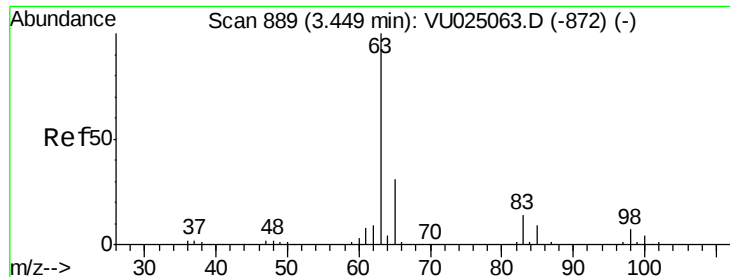


Abundance Ion 73.00 (72.70 to 73.70): VU025063.D (-732) (-)

Ion 43.00 (42.70 to 43.70): VU025063.D (-732) (-)

Ion 57.00 (56.70 to 57.70): VU025063.D (-732) (-)





#19

1,1-Dichloroethane

Concen: 200.379 ug/L

RT: 3.45 min Scan# 889

Delta R.T. -0.00 min

Lab File: VU025065.D

Acq: 29 Jun 2018 12:10

Instrument :

MSVOA_U

ClientSampleId :

VSTD20044

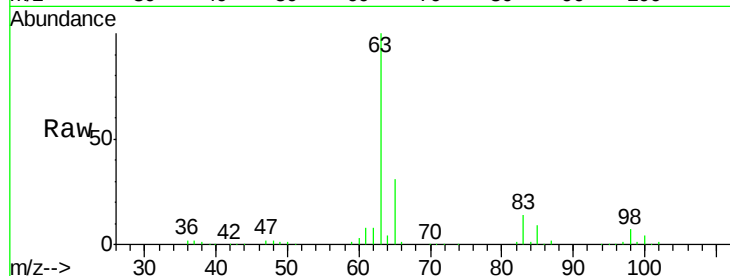
Tgt Ion: 63 Resp: 913272

Ion Ratio Lower Upper

63 100

65 31.4 21.9 40.7

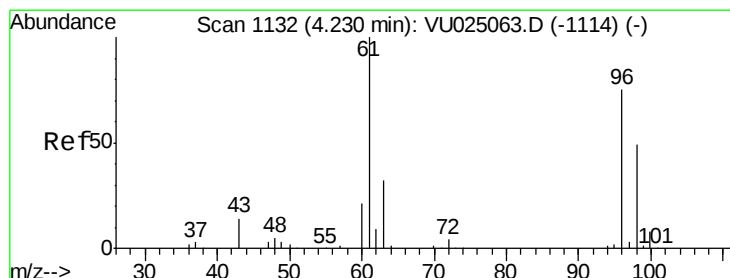
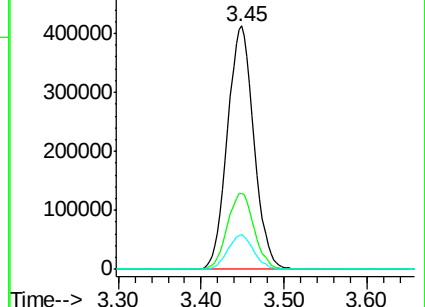
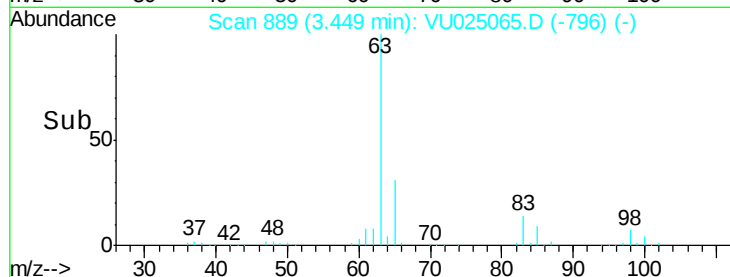
83 14.2 9.7 18.1



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: 194.623 ug/L

RT: 4.23 min Scan# 1132

Delta R.T. -0.00 min

Lab File: VU025065.D

Acq: 29 Jun 2018 12:10

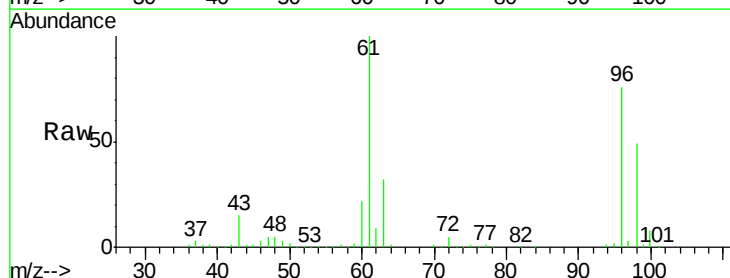
Tgt Ion: 96 Resp: 556539

Ion Ratio Lower Upper

96 100

61 131.1 93.4 173.6

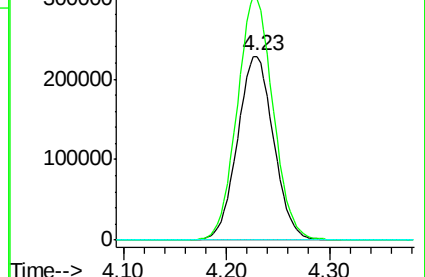
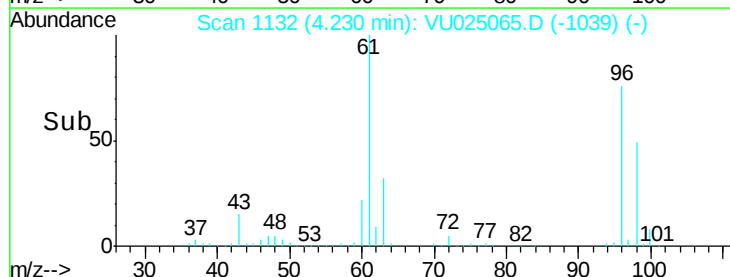
68 0.0 0.0 0.0

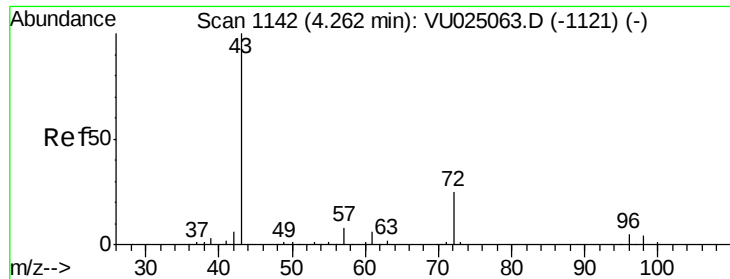


Abundance Ion 96.00 (95.70 to 96.70): VU025063.D (-1114) (-)

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: 370.689 ug/L

RT: 4.26 min Scan# 1142

Delta R.T. -0.00 min

Lab File: VU025065.D

Acq: 29 Jun 2018 12:10

Instrument :

MSVOA_U

ClientSampleId :

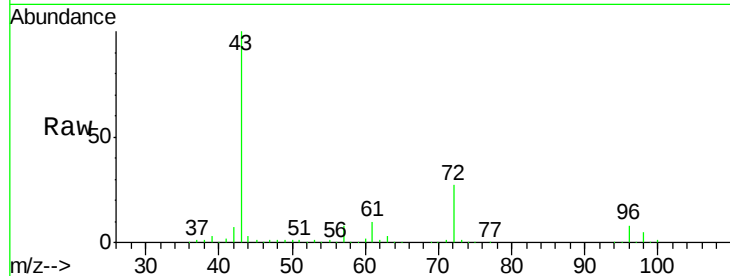
VSTD20044

Tgt Ion: 43 Resp: 886115

Ion Ratio Lower Upper

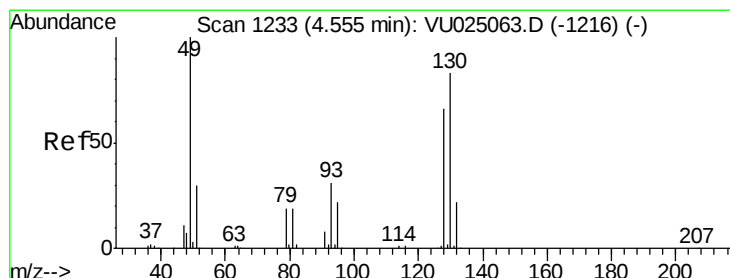
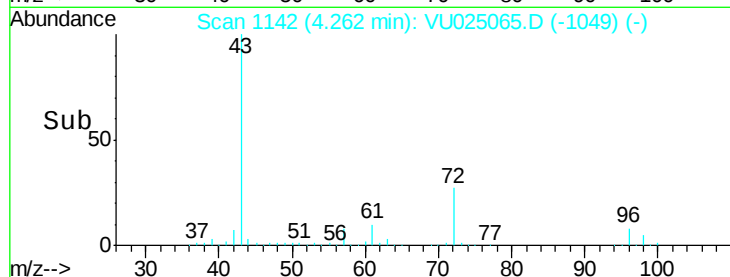
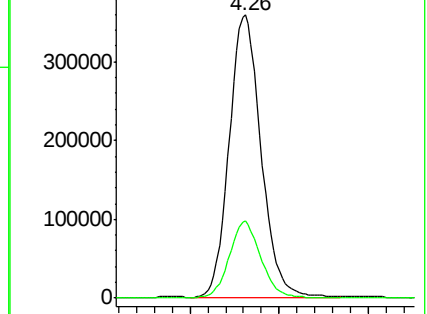
43 100

72 27.2 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) (-)



#23

Bromochloromethane

Concen: 200.329 ug/L

RT: 4.55 min Scan# 1232

Delta R.T. -0.00 min

Lab File: VU025065.D

Acq: 29 Jun 2018 12:10

Tgt Ion: 128 Resp: 287760

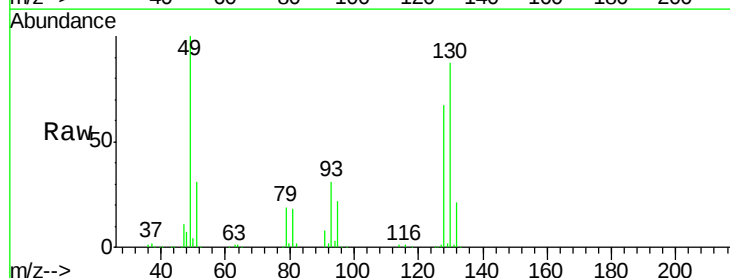
Ion Ratio Lower Upper

128 100

49 148.5 106.1 197.1

130 129.0 87.7 162.9

51 46.6 36.8 55.2

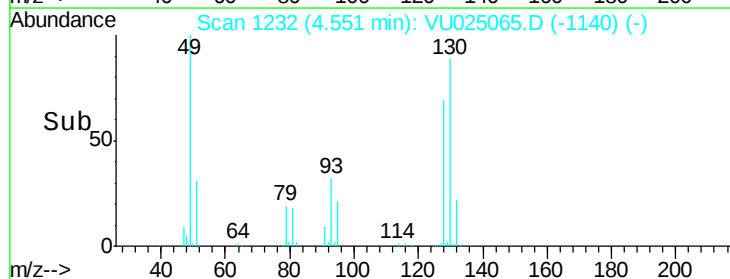
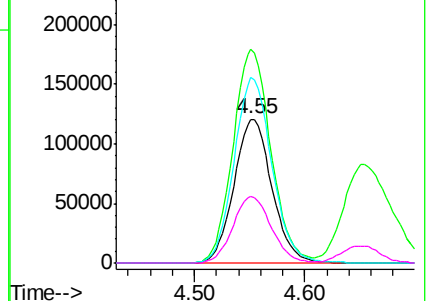


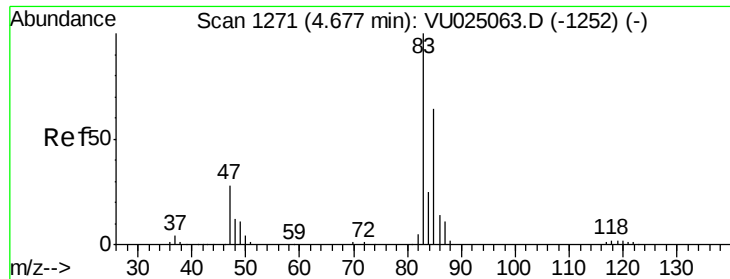
Abundance Ion 128.00 (127.70 to 128.70): VU025063.D (-1216) (-)

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) (-)

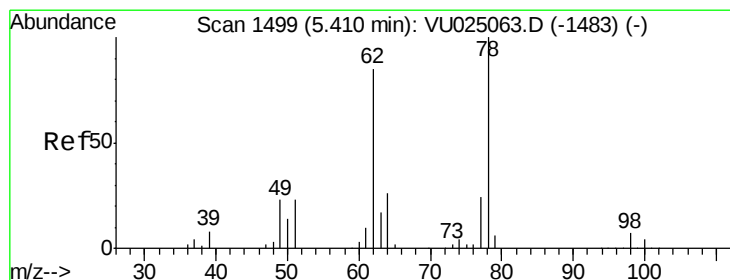
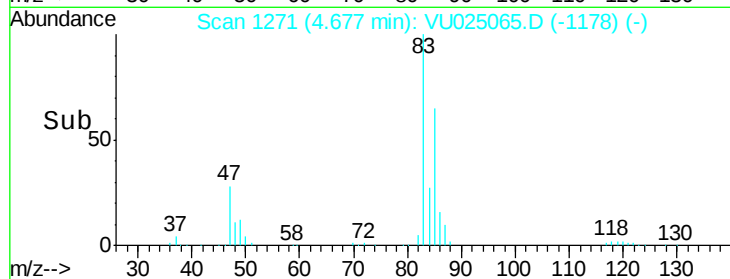
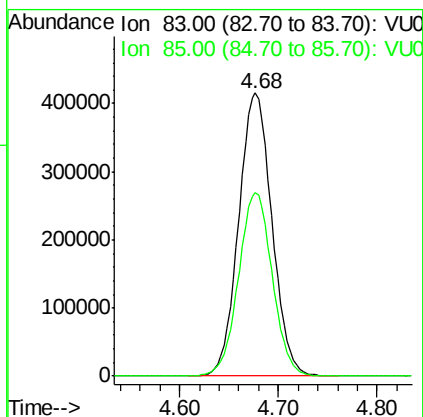
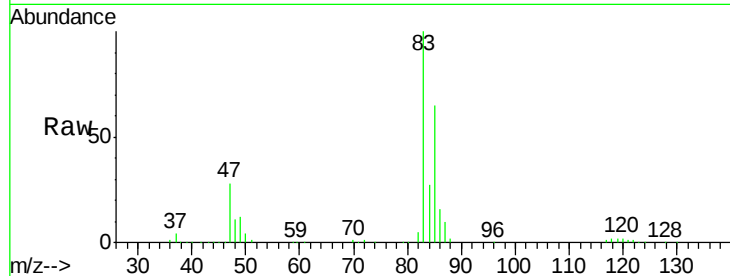




#25
Chloroform
Concen: 204.603 ug/L
RT: 4.68 min Scan# 1271
Delta R.T. -0.00 min
Lab File: VU025065.D
Acq: 29 Jun 2018 12:10

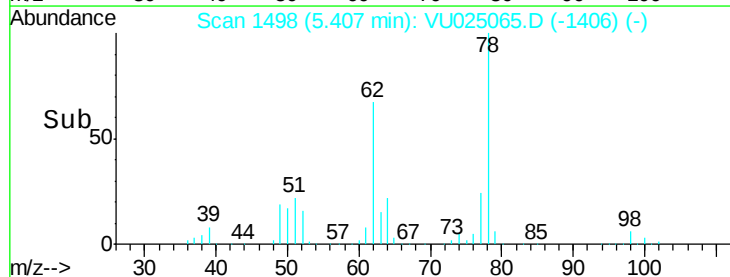
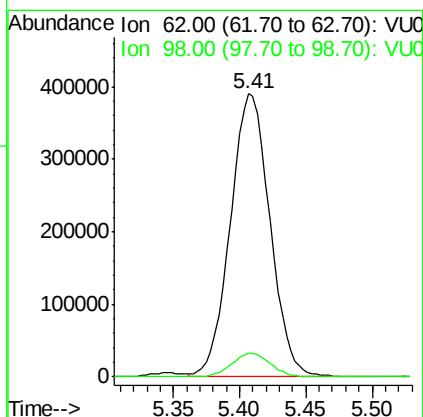
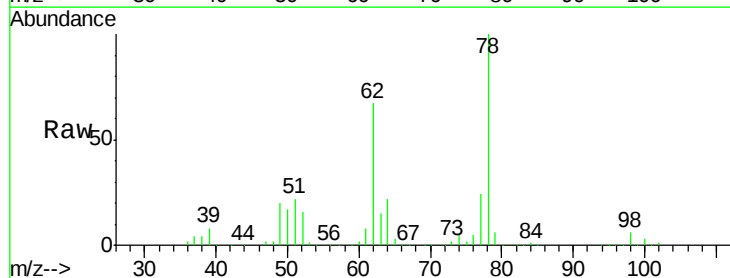
Instrument :
MSVOA_U
ClientSampleId :
VSTD20044

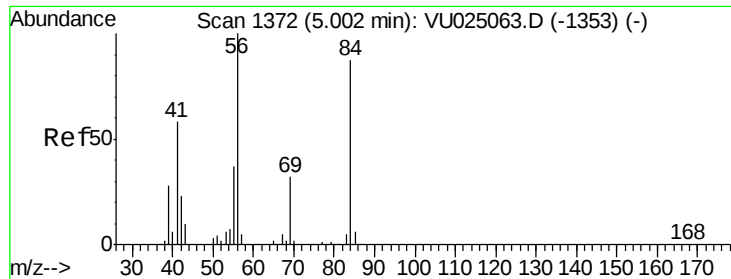
Tgt Ion: 83 Resp: 969690
Ion Ratio Lower Upper
83 100
85 65.0 44.7 83.1



#27
1,2-Dichloroethane
Concen: 216.912 ug/L
RT: 5.41 min Scan# 1498
Delta R.T. -0.00 min
Lab File: VU025065.D
Acq: 29 Jun 2018 12:10

Tgt Ion: 62 Resp: 803936
Ion Ratio Lower Upper
62 100
98 8.3 6.4 9.6

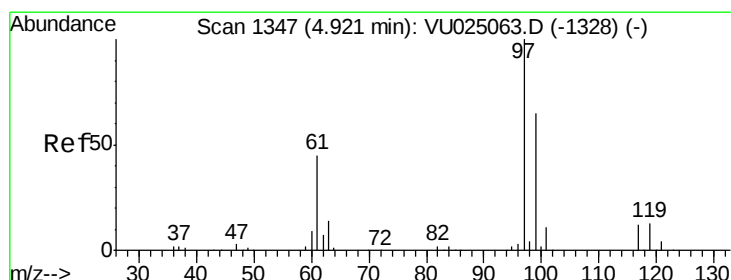
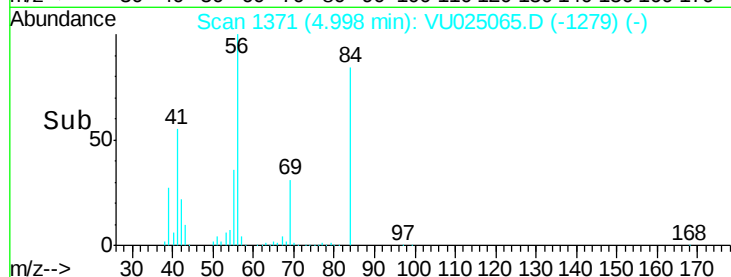
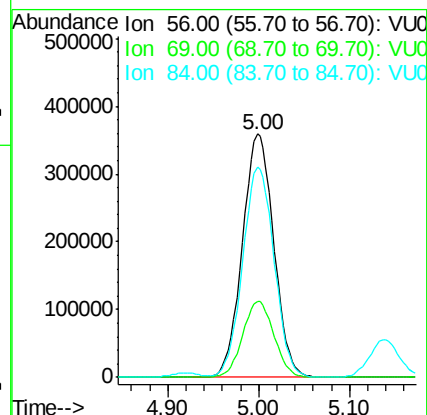
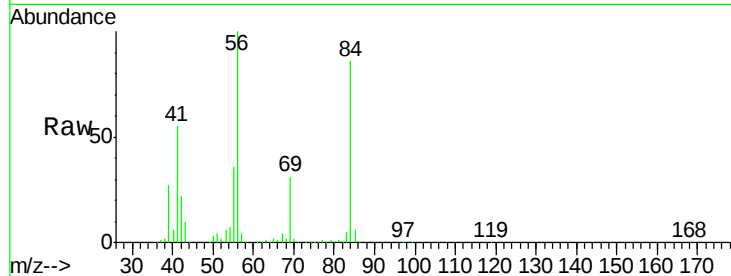




#29
Cyclohexane
Concen: 201.778 ug/L
RT: 5.00 min Scan# 1371
Delta R.T. -0.00 min
Lab File: VU025065.D
Acq: 29 Jun 2018 12:10

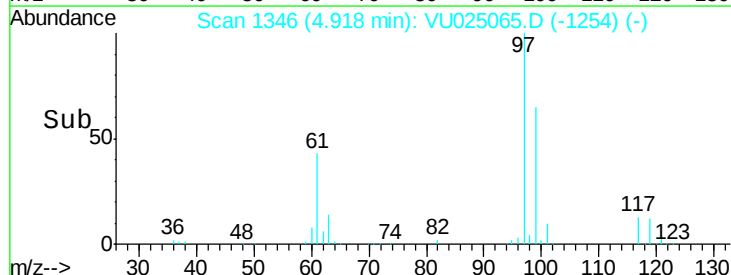
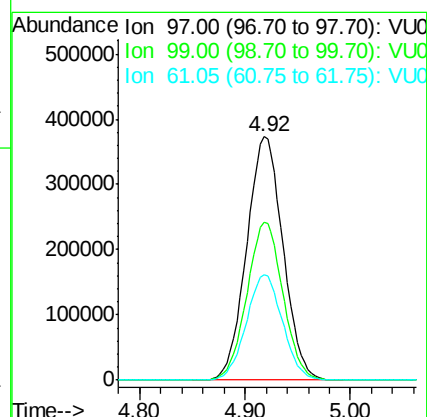
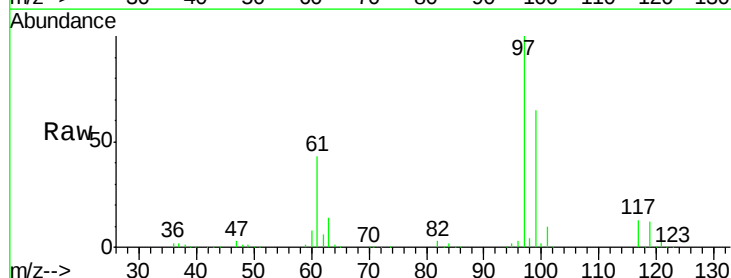
Instrument :
MSVOA_U
ClientSampleId :
VSTD20044

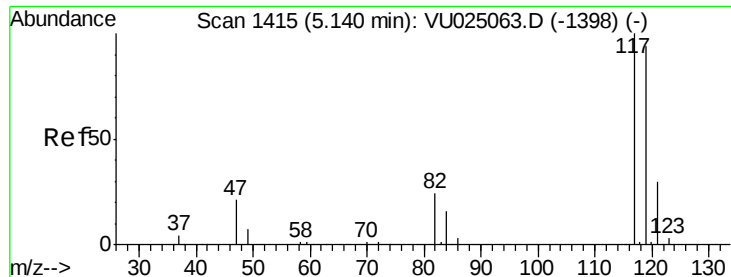
Tgt Ion: 56 Resp: 859626
Ion Ratio Lower Upper
56 100
69 31.1 25.0 37.6
84 86.8 70.0 105.0



#30
1,1,1-Trichloroethane
Concen: 210.986 ug/L
RT: 4.92 min Scan# 1346
Delta R.T. -0.00 min
Lab File: VU025065.D
Acq: 29 Jun 2018 12:10

Tgt Ion: 97 Resp: 894913
Ion Ratio Lower Upper
97 100
99 64.4 51.4 77.2
61 43.2 35.5 53.3

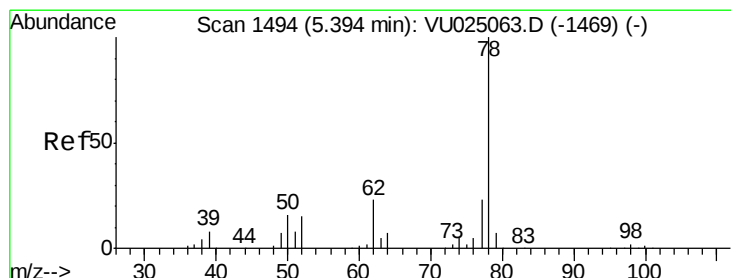
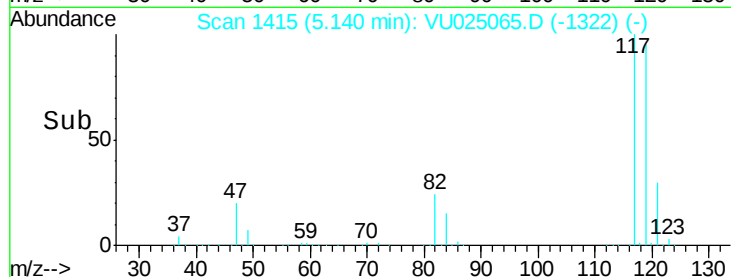
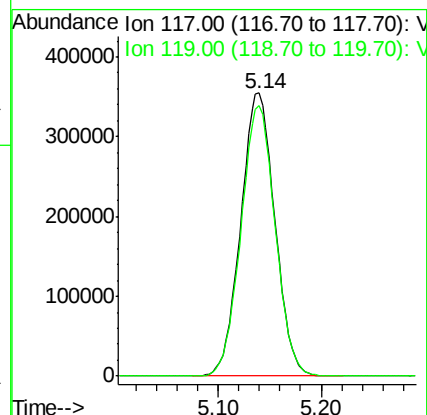
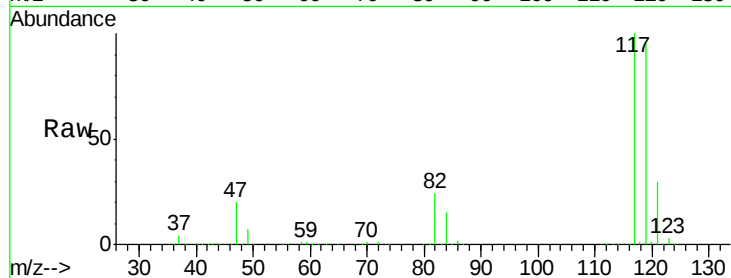




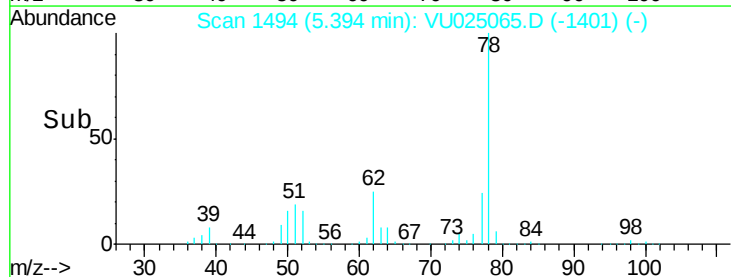
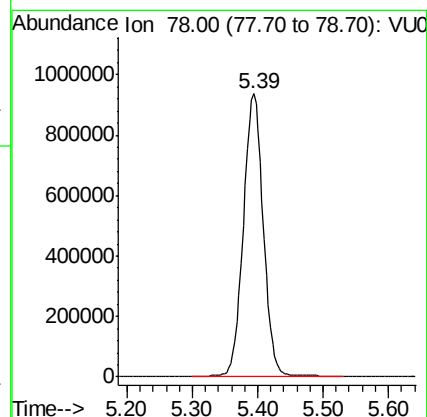
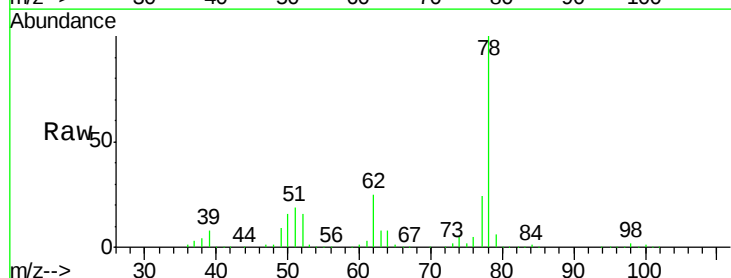
#31
Carbon tetrachloride
Concen: 211.653 ug/L
RT: 5.14 min Scan# 1415
Delta R.T. -0.00 min
Lab File: VU025065.D
Acq: 29 Jun 2018 12:10

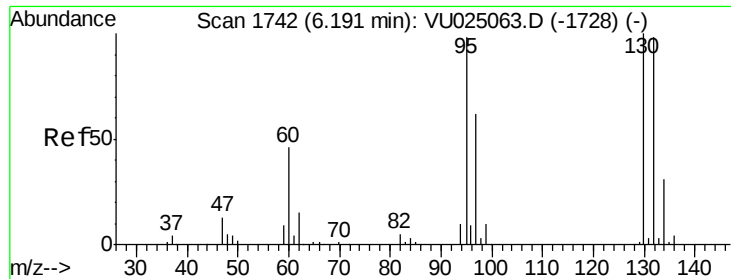
Instrument :
MSVOA_U
ClientSampleId :
VSTD20044

Tgt Ion:117 Resp: 816136
Ion Ratio Lower Upper
117 100
119 95.7 76.8 115.2



#33
Benzene
Concen: 197.800 ug/L
RT: 5.39 min Scan# 1494
Delta R.T. -0.00 min
Lab File: VU025065.D
Acq: 29 Jun 2018 12:10
Tgt Ion: 78 Resp: 2001781





#34

Trichloroethene

Concen: 197.052 ug/L

RT: 6.19 min Scan# 1741

Delta R.T. -0.00 min

Lab File: VU025065.D

Acq: 29 Jun 2018 12:10

Instrument :

MSVOA_U

ClientSampleId :

VSTD20044

Tgt Ion: 95 Resp: 548504

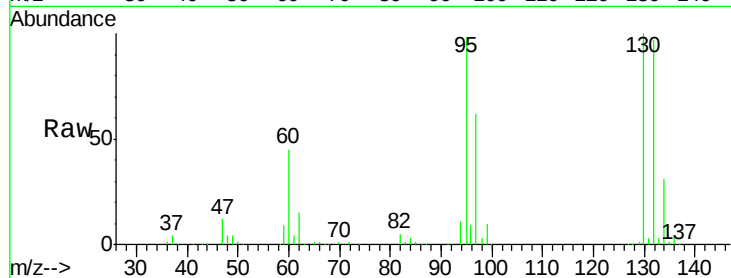
Ion Ratio Lower Upper

95 100

97 63.7 44.1 81.9

132 99.6 70.2 130.4

130 102.2 71.7 133.1

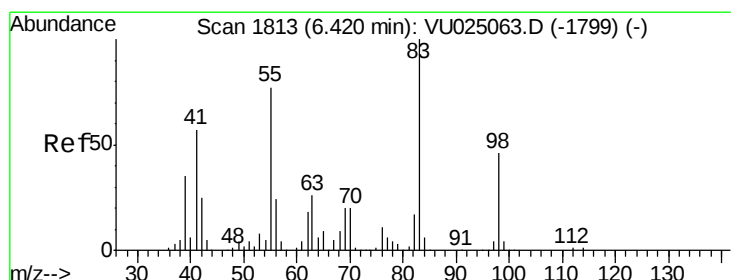
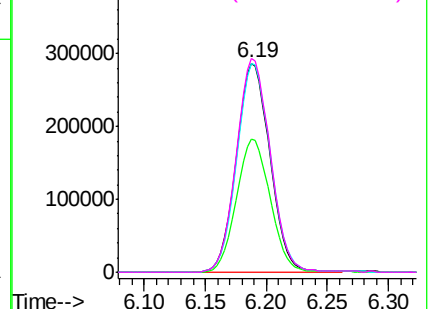
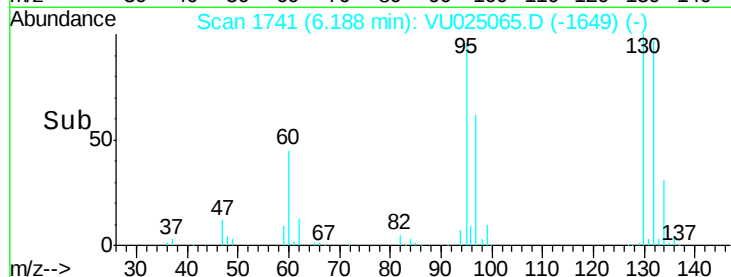


Abundance Ion 95.00 (94.70 to 95.70): VU0

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: 200.967 ug/L

RT: 6.42 min Scan# 1813

Delta R.T. -0.00 min

Lab File: VU025065.D

Acq: 29 Jun 2018 12:10

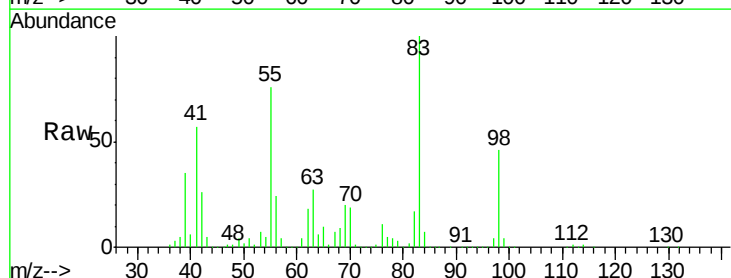
Tgt Ion: 83 Resp: 900425

Ion Ratio Lower Upper

83 100

55 76.4 61.8 92.6

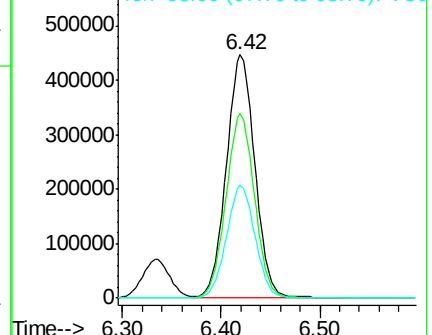
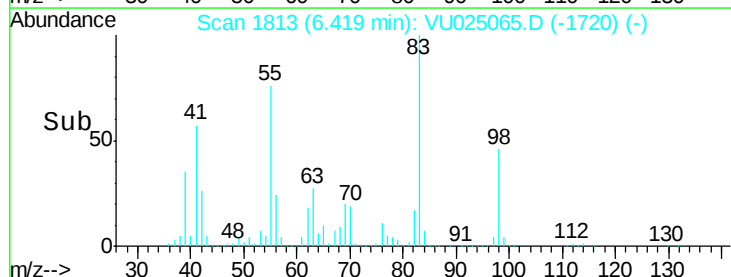
98 46.7 37.4 56.0

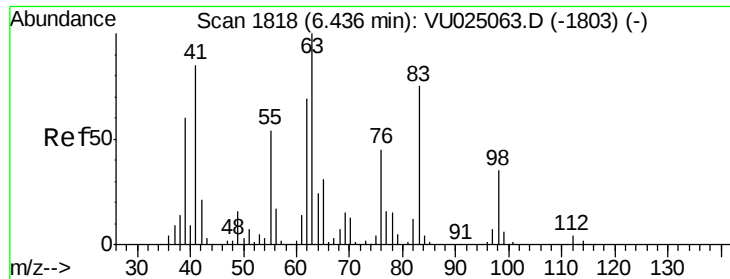


Abundance Ion 83.00 (82.70 to 83.70): VU0

Ion 55.00 (54.70 to 55.70): VU0

Ion 98.00 (97.70 to 98.70): VU0

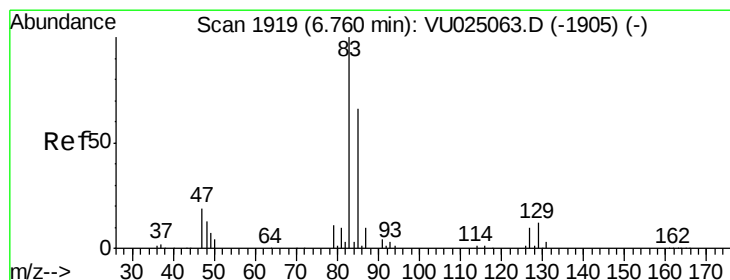
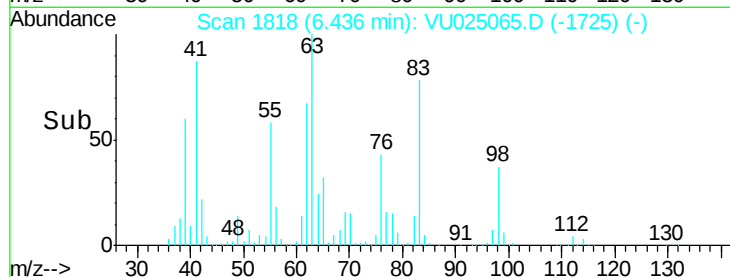
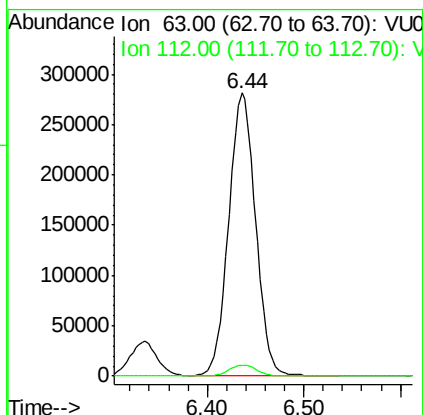
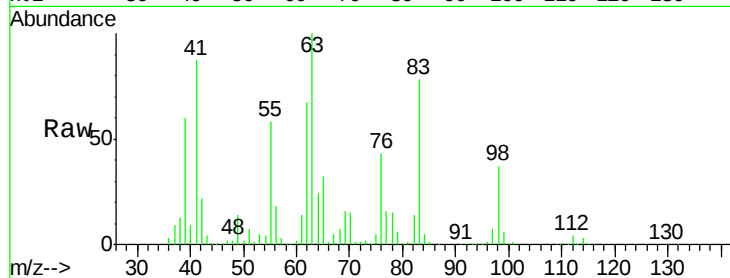




#37
 1,2-Dichloropropane
 Concen: 193.500 ug/L
 RT: 6.44 min Scan# 1818
 Delta R.T. -0.00 min
 Lab File: VU025065.D
 Acq: 29 Jun 2018 12:10

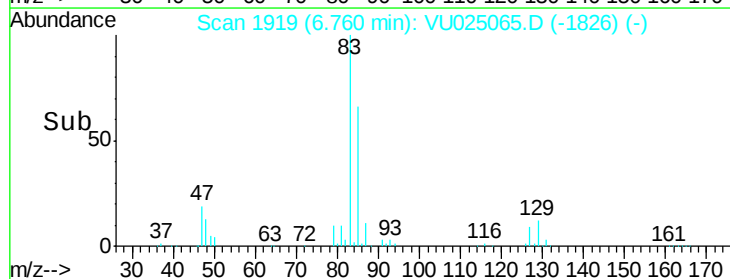
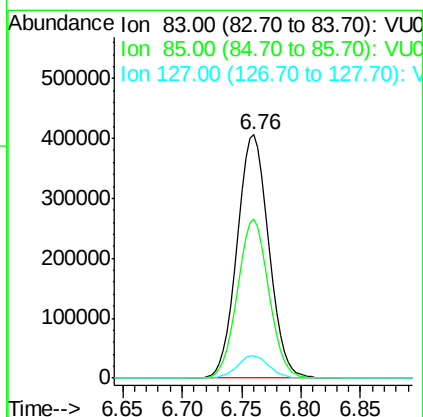
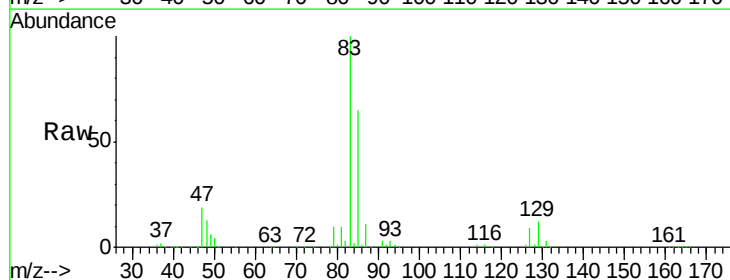
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD20044

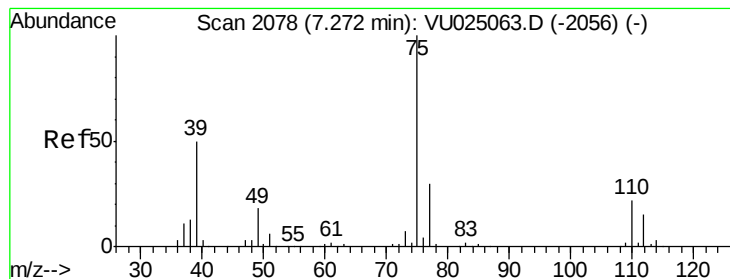
Tgt Ion: 63 Resp: 542239
 Ion Ratio Lower Upper
 63 100
 112 4.1 3.2 4.8



#38
 Bromodichloromethane
 Concen: 202.979 ug/L
 RT: 6.76 min Scan# 1919
 Delta R.T. -0.00 min
 Lab File: VU025065.D
 Acq: 29 Jun 2018 12:10

Tgt Ion: 83 Resp: 749977
 Ion Ratio Lower Upper
 83 100
 85 65.3 45.9 85.3
 127 9.2 7.7 11.5



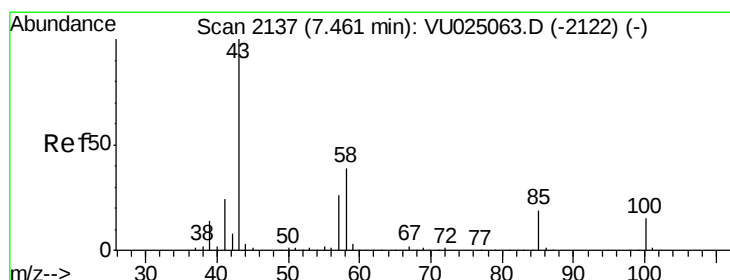
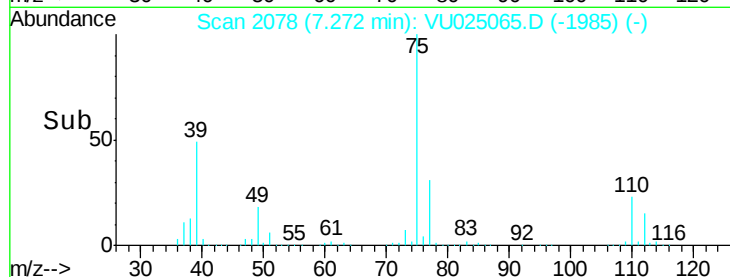
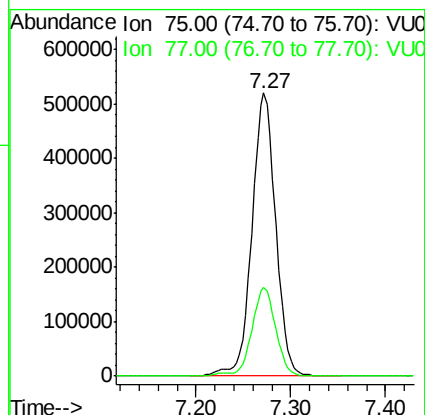
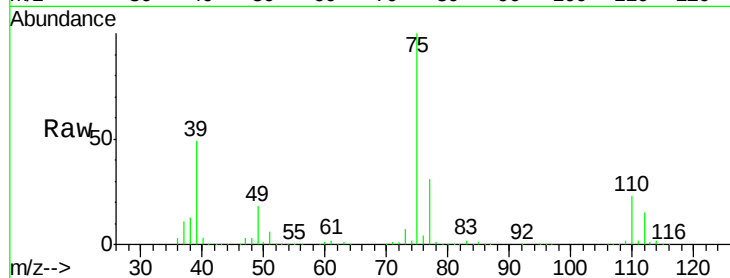


#39

cis-1,3-Dichloropropene
 Concen: 204.847 ug/L
 RT: 7.27 min Scan# 2078
 Delta R.T. -0.00 min
 Lab File: VU025065.D
 Acq: 29 Jun 2018 12:10

Instrument :
 MSVOA_U
 ClientSampled :
 VSTD20044

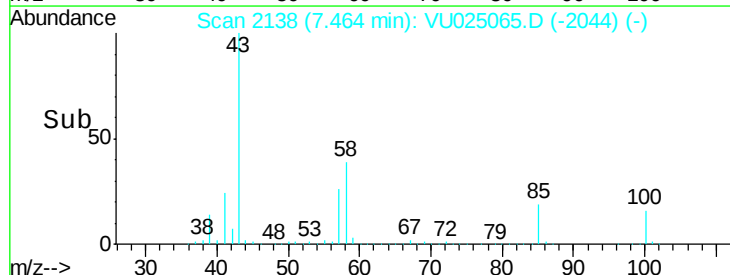
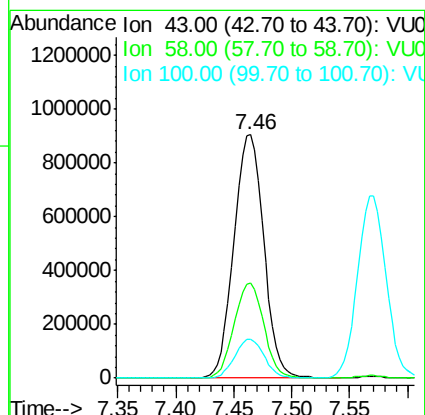
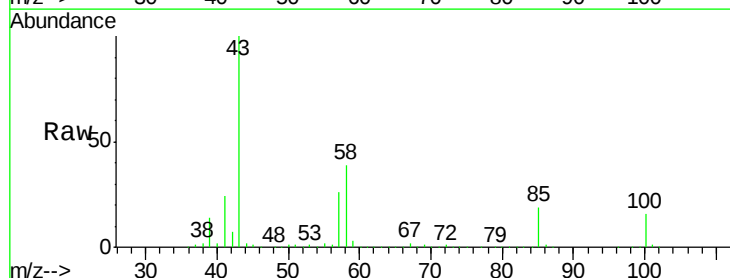
Tgt Ion: 75 Resp: 907312
 Ion Ratio Lower Upper
 75 100
 77 31.2 21.3 39.5

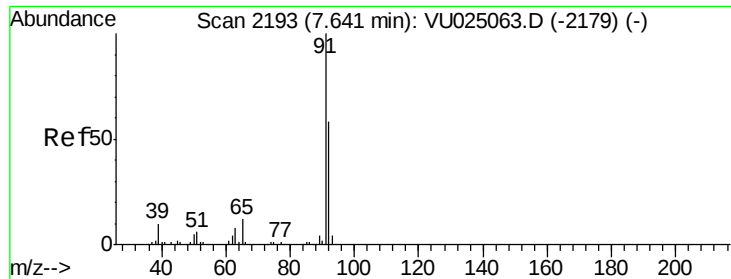


#40

4-Methyl-2-pentanone
 Concen: 389.225 ug/L
 RT: 7.46 min Scan# 2138
 Delta R.T. 0.00 min
 Lab File: VU025065.D
 Acq: 29 Jun 2018 12:10

Tgt Ion: 43 Resp: 1613300
 Ion Ratio Lower Upper
 43 100
 58 38.8 31.0 46.6
 100 15.8 12.3 18.5





#42

Toluene

Concen: 199.657 ug/L

RT: 7.64 min Scan# 2193

Delta R.T. -0.00 min

Lab File: VU025065.D

Acq: 29 Jun 2018 12:10

Instrument :

MSVOA_U

ClientSampleId :

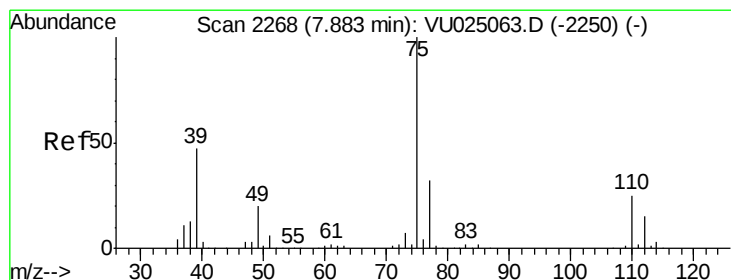
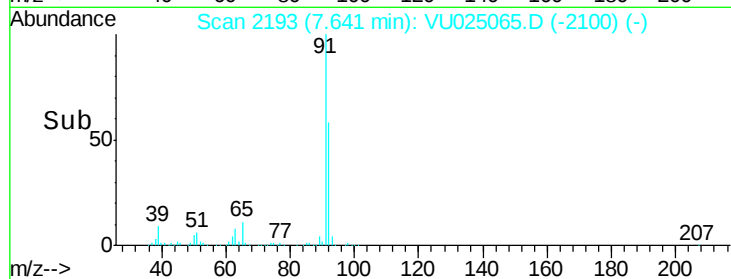
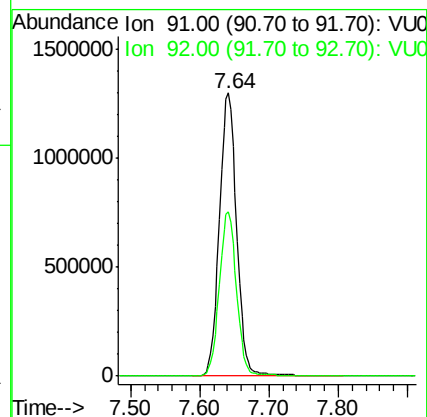
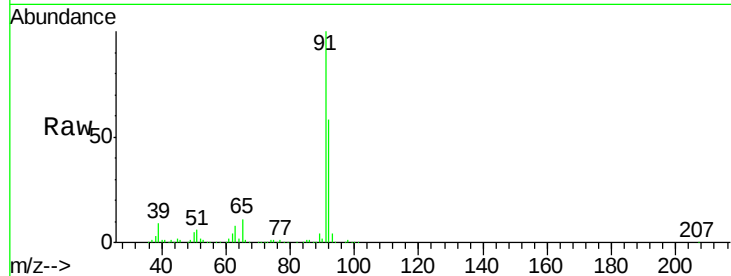
VSTD20044

Tgt Ion: 91 Resp: 2243690

Ion Ratio Lower Upper

91 100

92 58.2 40.7 75.5



#44

trans-1,3-Dichloropropene

Concen: 210.258 ug/L

RT: 7.88 min Scan# 2268

Delta R.T. -0.00 min

Lab File: VU025065.D

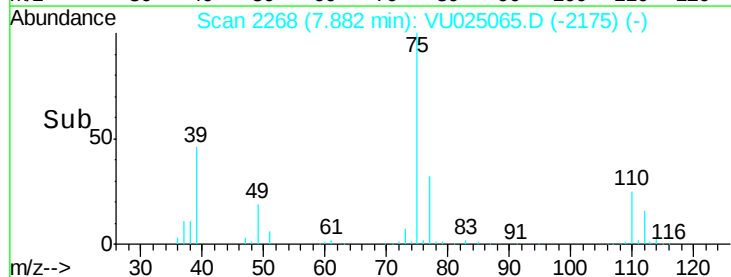
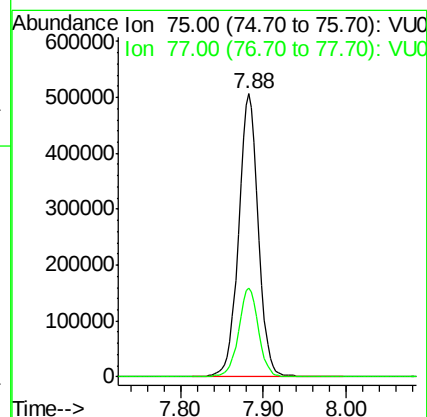
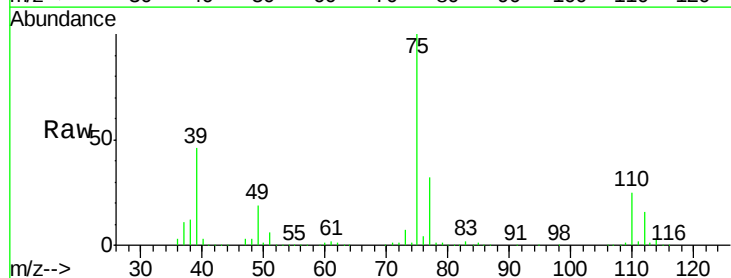
Acq: 29 Jun 2018 12:10

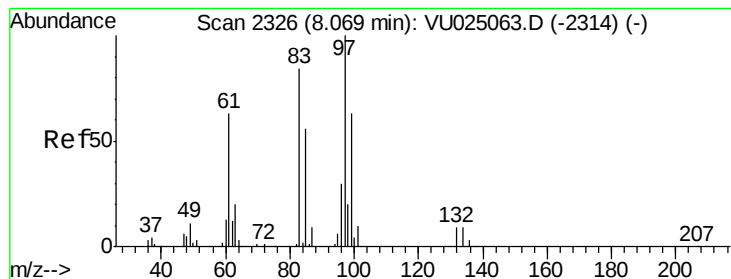
Tgt Ion: 75 Resp: 845831

Ion Ratio Lower Upper

75 100

77 31.6 22.1 41.1





#45

1,1,2-Trichloroethane

Concen: 199.205 ug/L

RT: 8.07 min Scan# 2326

Delta R.T. -0.00 min

Lab File: VU025065.D

Acq: 29 Jun 2018 12:10

Instrument :

MSVOA_U

ClientSampleId :

VSTD20044

Tgt Ion: 97 Resp: 526991

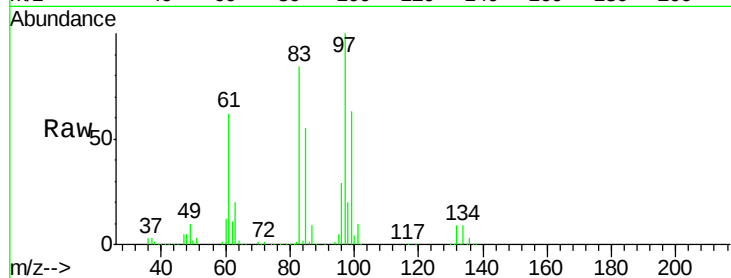
Ion Ratio Lower Upper

97 100

99 63.2 44.1 81.9

83 84.5 58.7 108.9

85 55.3 39.0 72.4

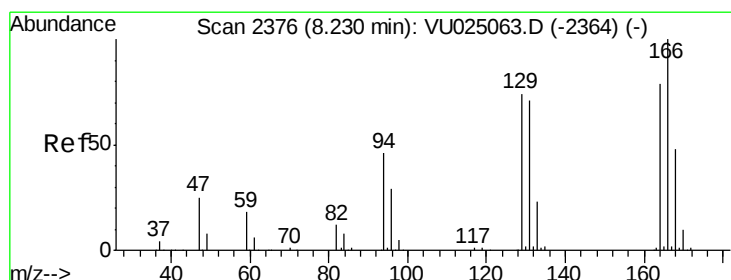
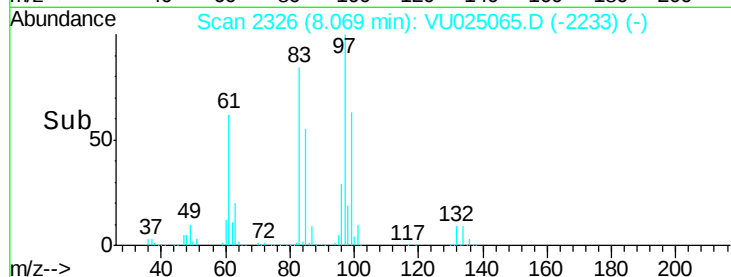
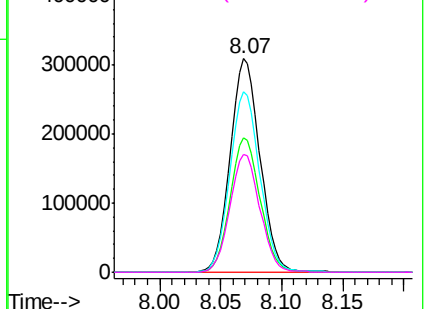


Abundance Ion 97.00 (96.70 to 97.70): VU0

Ion 99.00 (98.70 to 99.70): VU0

Ion 83.00 (82.70 to 83.70): VU0

Ion 85.00 (84.70 to 85.70): VU0



#46

Tetrachloroethene

Concen: 201.540 ug/L

RT: 8.23 min Scan# 2376

Delta R.T. -0.00 min

Lab File: VU025065.D

Acq: 29 Jun 2018 12:10

Tgt Ion: 164 Resp: 471080

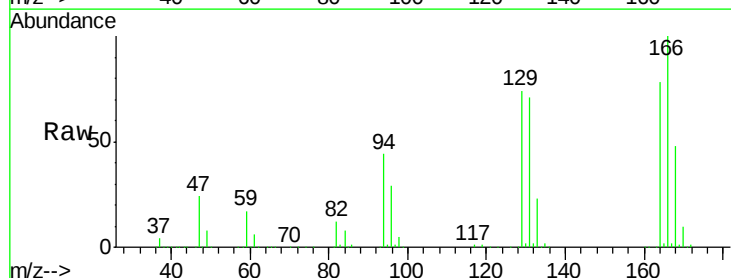
Ion Ratio Lower Upper

164 100

129 95.2 66.1 122.8

131 91.1 62.7 116.5

166 128.8 88.8 165.0

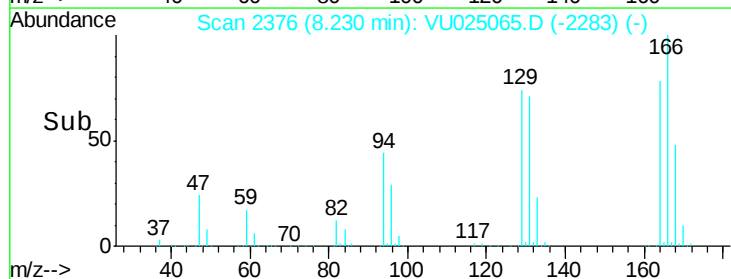
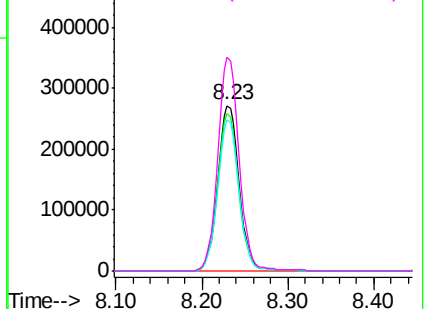


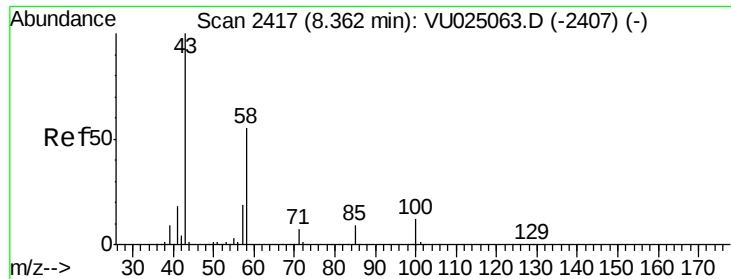
Abundance Ion 164.00 (163.70 to 164.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V

Ion 166.00 (165.70 to 166.70): V

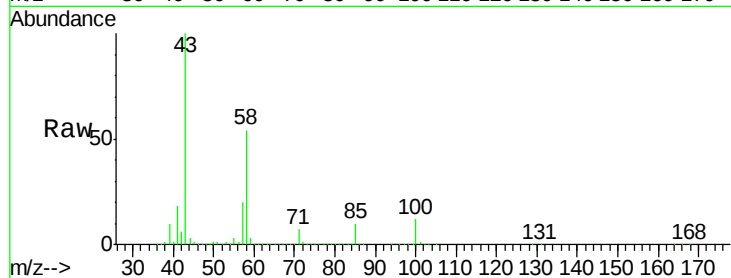




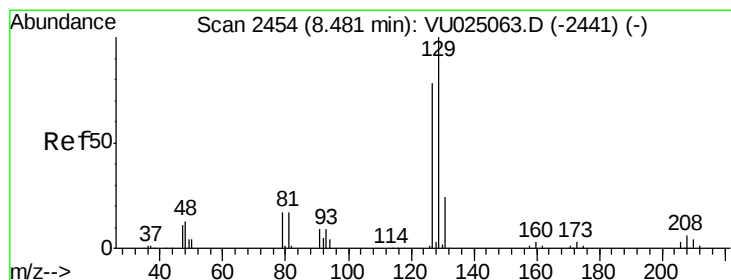
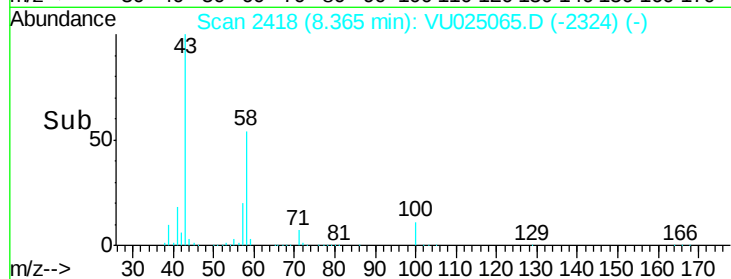
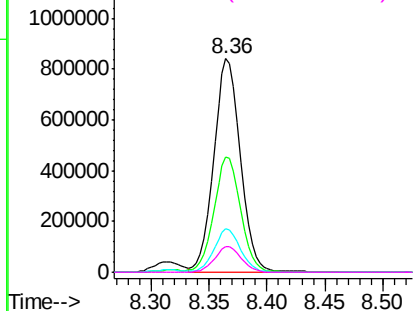
#48
2-Hexanone
Concen: 401.555 ug/L
RT: 8.36 min Scan# 2418
Delta R.T. 0.00 min
Lab File: VU025065.D
Acq: 29 Jun 2018 12:10

Instrument :
MSVOA_U
ClientSampleId :
VSTD20044

Tgt Ion: 43 Resp: 1345424
Ion Ratio Lower Upper
43 100
58 54.3 43.2 64.8
57 20.1 15.8 23.8
100 11.9 9.4 14.0

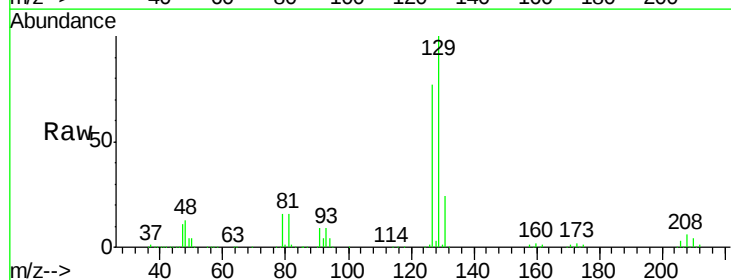


Abundance Ion 43.00 (42.70 to 43.70): VU0
Ion 58.00 (57.70 to 58.70): VU0
Ion 57.00 (56.70 to 57.70): VU0
Ion 100.00 (99.70 to 100.70): VU0

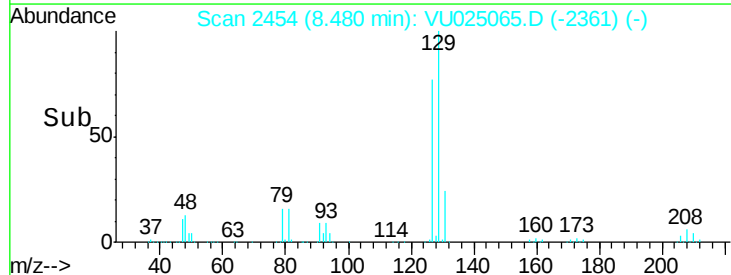
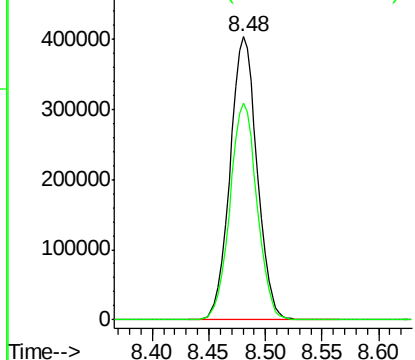


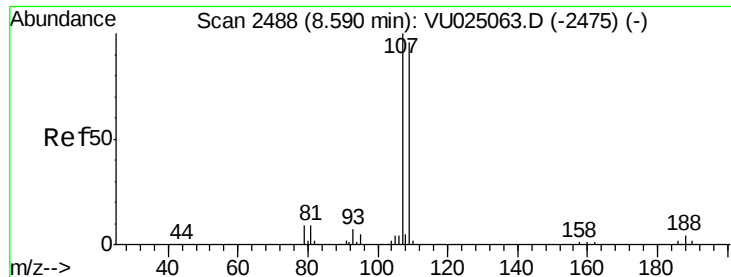
#49
Dibromochloromethane
Concen: 208.766 ug/L
RT: 8.48 min Scan# 2454
Delta R.T. -0.00 min
Lab File: VU025065.D
Acq: 29 Jun 2018 12:10

Tgt Ion: 129 Resp: 669106
Ion Ratio Lower Upper
129 100
127 76.6 54.6 101.4



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

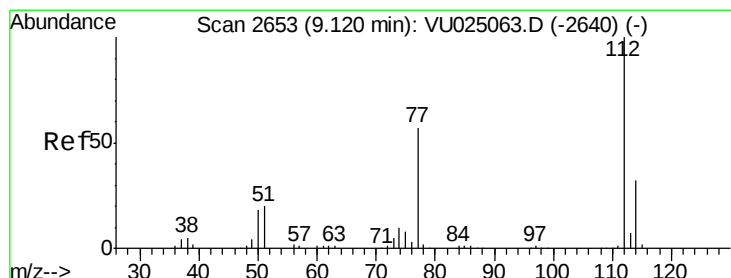
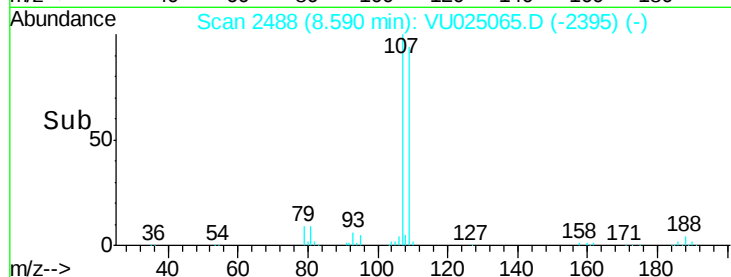
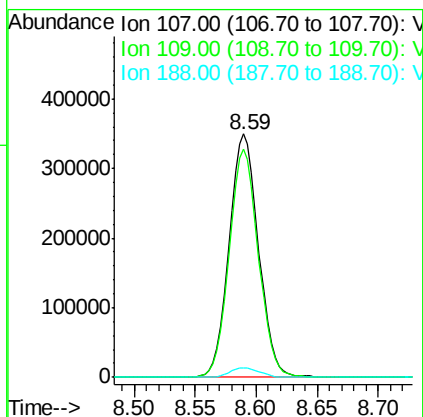
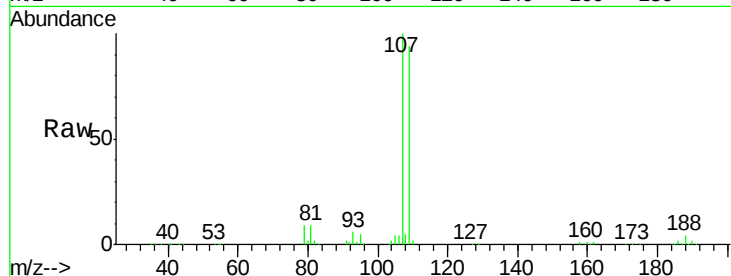




#50
1,2-Dibromoethane
Concen: 202.845 ug/L
RT: 8.59 min Scan# 2488
Delta R.T. -0.00 min
Lab File: VU025065.D
Acq: 29 Jun 2018 12:10

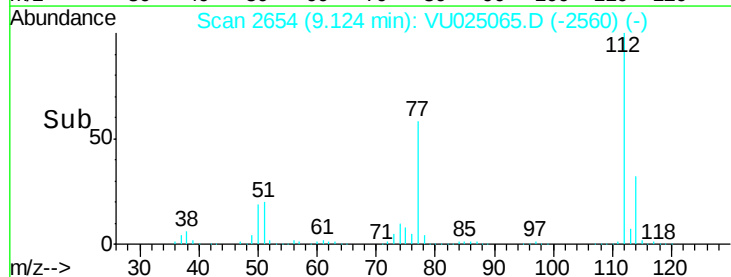
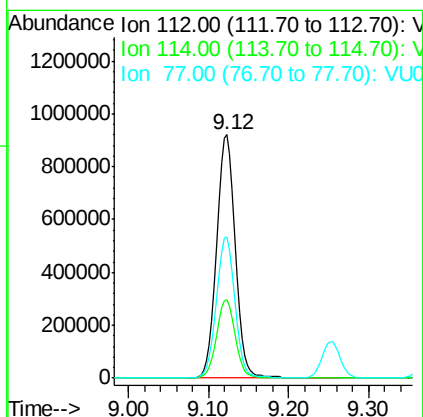
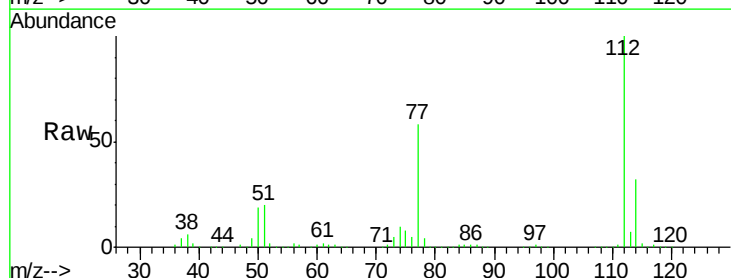
Instrument :
MSVOA_U
ClientSampleId :
VSTD20044

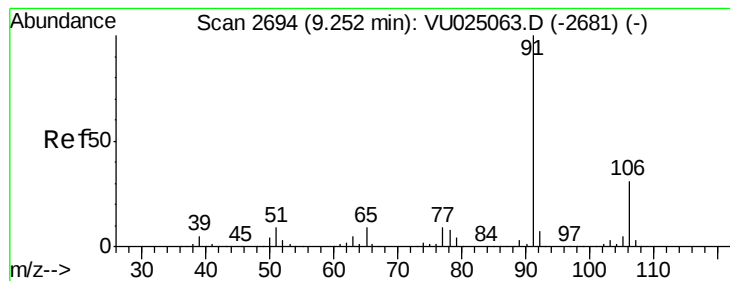
Tgt Ion:107 Resp: 587358
Ion Ratio Lower Upper
107 100
109 93.6 67.1 124.5
188 4.1 3.4 5.0



#51
Chlorobenzene
Concen: 200.748 ug/L
RT: 9.12 min Scan# 2654
Delta R.T. 0.00 min
Lab File: VU025065.D
Acq: 29 Jun 2018 12:10

Tgt Ion:112 Resp: 1504391
Ion Ratio Lower Upper
112 100
114 32.3 22.7 42.1
77 57.8 46.2 69.4





#52

Ethylbenzene

Concen: 201.601 ug/L

RT: 9.25 min Scan# 2694

Delta R.T. -0.00 min

Lab File: VU025065.D

Acq: 29 Jun 2018 12:10

Instrument :

MSVOA_U

ClientSampleId :

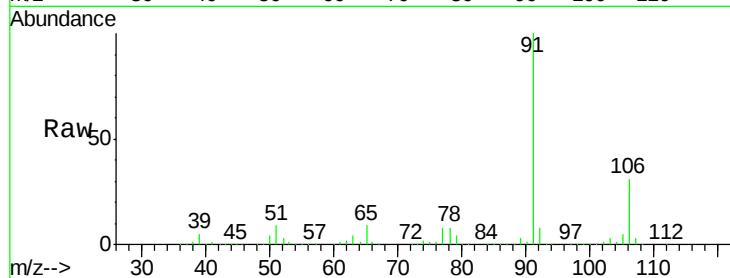
VSTD20044

Tgt Ion: 91 Resp: 2591035

Ion Ratio Lower Upper

91 100

106 31.4 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) (-)

9.25

1500000

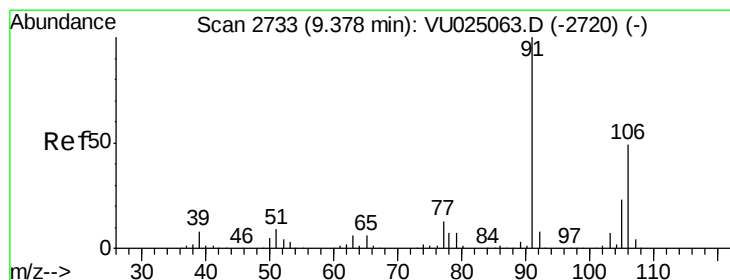
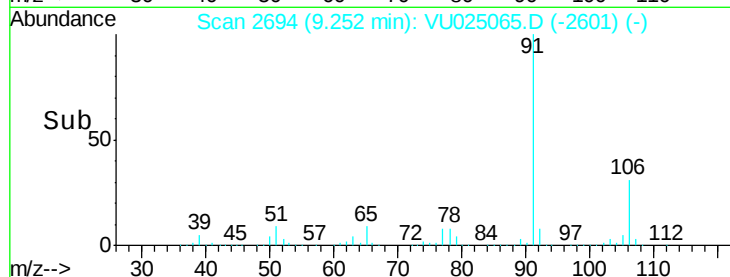
1000000

500000

0

Time-->

9.15 9.20 9.25 9.30 9.35



#53

m,p-Xylene

Concen: 203.315 ug/L

RT: 9.38 min Scan# 2733

Delta R.T. -0.00 min

Lab File: VU025065.D

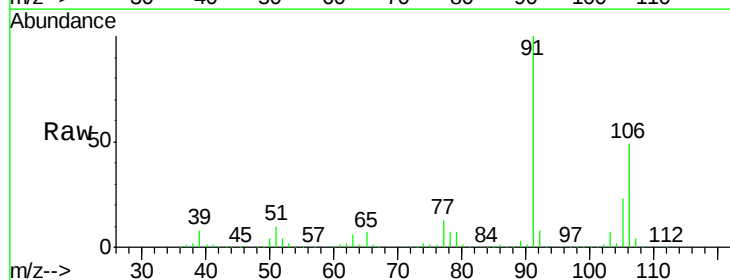
Acq: 29 Jun 2018 12:10

Tgt Ion: 106 Resp: 1005687

Ion Ratio Lower Upper

106 100

91 204.0 142.0 263.8



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

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

9.38

1500000

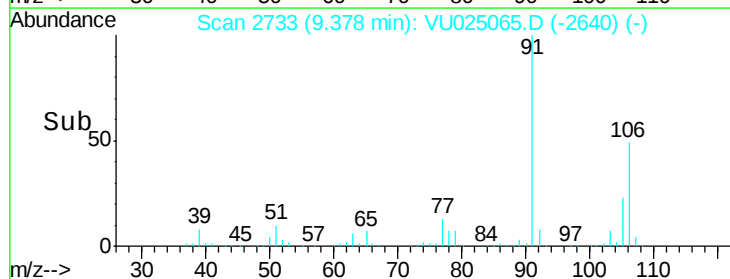
1000000

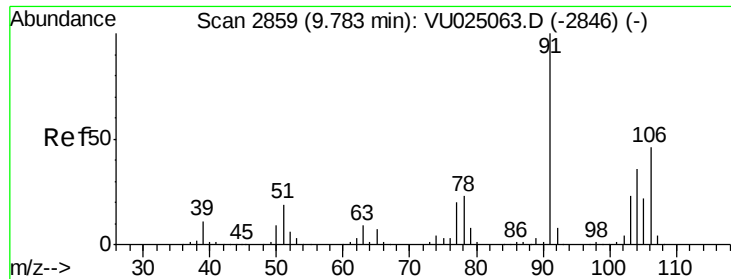
500000

0

Time-->

9.30 9.35 9.40 9.45





#54

o-xylene

Concen: 206.064 ug/L

RT: 9.78 min Scan# 2859

Delta R.T. -0.00 min

Lab File: VU025065.D

Acq: 29 Jun 2018 12:10

Instrument :

MSVOA_U

ClientSampleId :

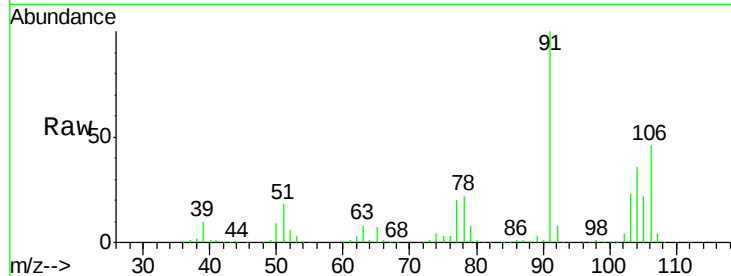
VSTD20044

Tgt Ion:106 Resp: 1010330

Ion Ratio Lower Upper

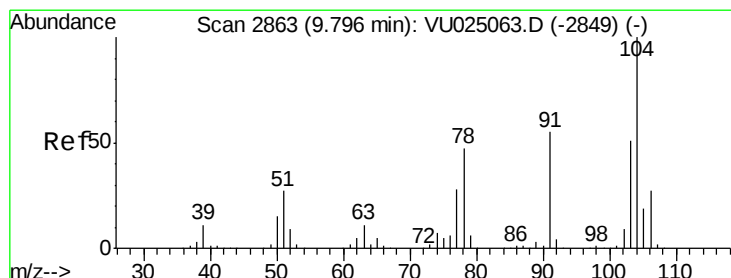
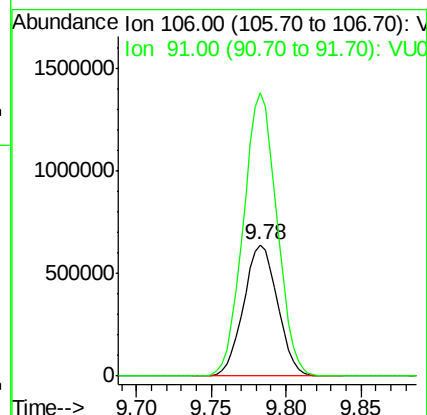
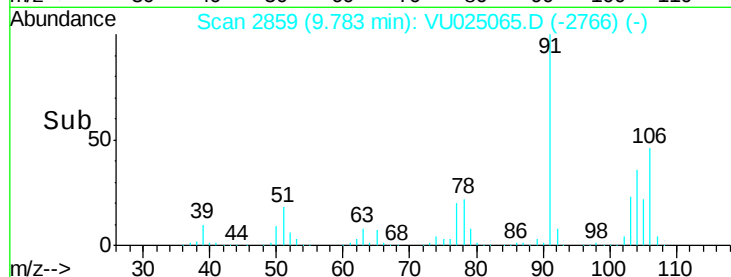
106 100

91 215.8 152.0 282.4



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0



#55

Styrene

Concen: 210.324 ug/L

RT: 9.80 min Scan# 2863

Delta R.T. -0.00 min

Lab File: VU025065.D

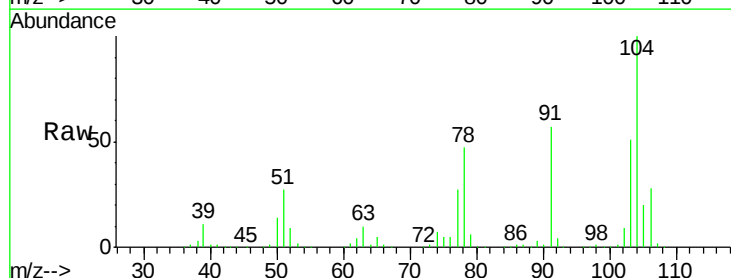
Acq: 29 Jun 2018 12:10

Tgt Ion:104 Resp: 1735262

Ion Ratio Lower Upper

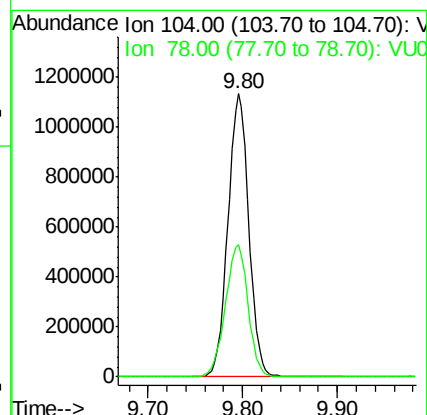
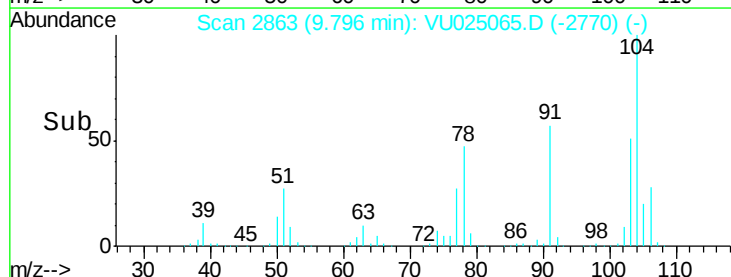
104 100

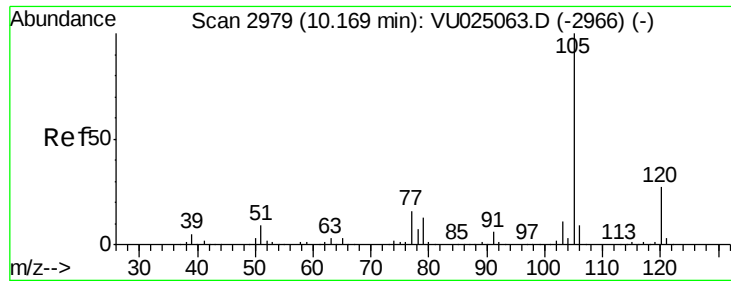
78 46.6 32.6 60.6



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VU0





#56

Isopropylbenzene

Concen: 206.499 ug/L

RT: 10.17 min Scan# 2979

Delta R.T. -0.00 min

Lab File: VU025065.D

Acq: 29 Jun 2018 12:10

Instrument :

MSVOA_U

ClientSampleId :

VSTD20044

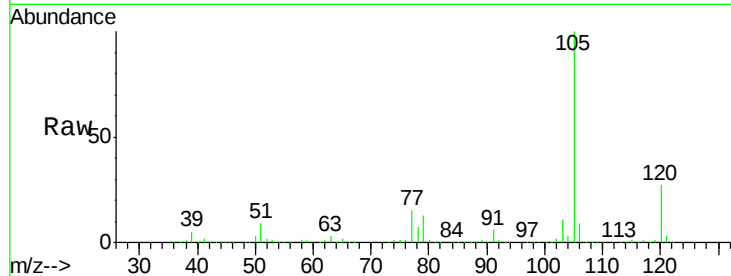
Tgt Ion:105 Resp: 2667570

Ion Ratio Lower Upper

105 100

120 27.1 21.4 32.0

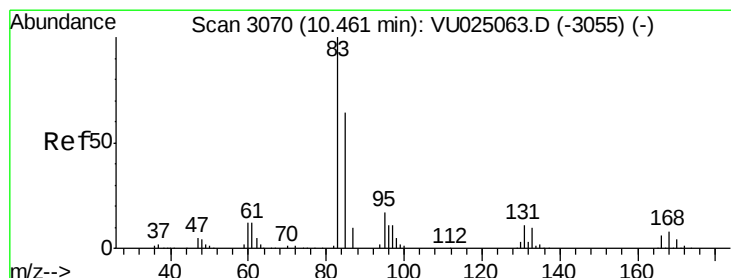
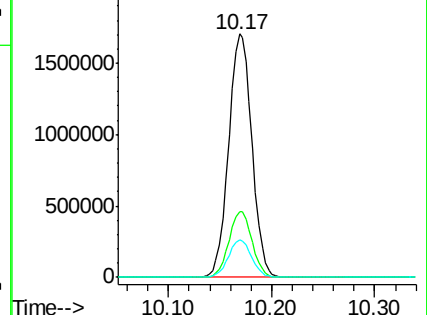
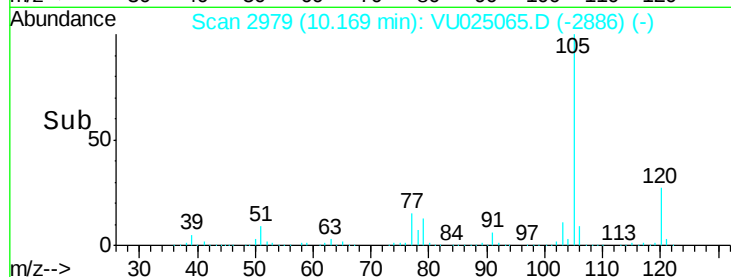
77 15.4 12.5 18.7



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: 206.849 ug/L

RT: 10.46 min Scan# 3070

Delta R.T. -0.00 min

Lab File: VU025065.D

Acq: 29 Jun 2018 12:10

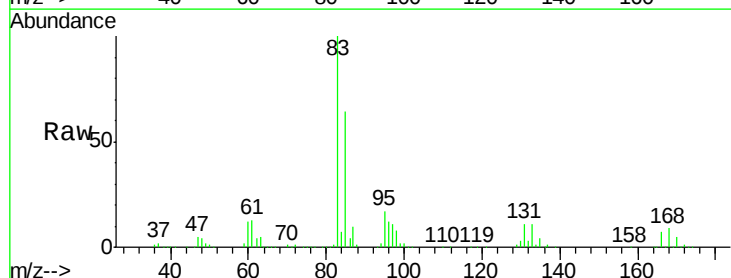
Tgt Ion: 83 Resp: 937456

Ion Ratio Lower Upper

83 100

85 64.3 45.1 83.7

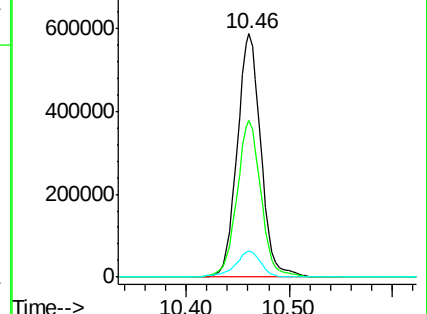
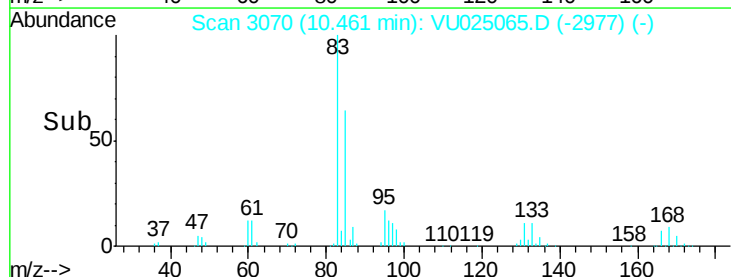
131 10.8 8.7 13.1

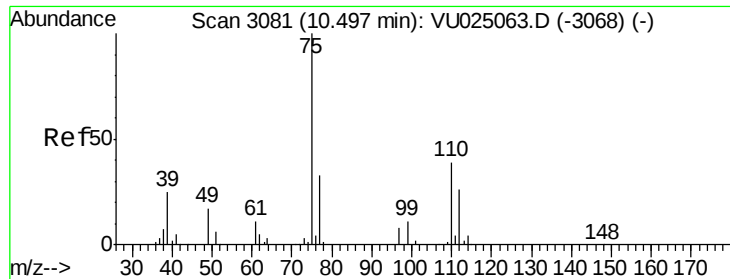


Abundance Ion 83.00 (82.70 to 83.70): VU0

Ion 85.00 (84.70 to 85.70): VU0

Ion 131.00 (130.70 to 131.70): V

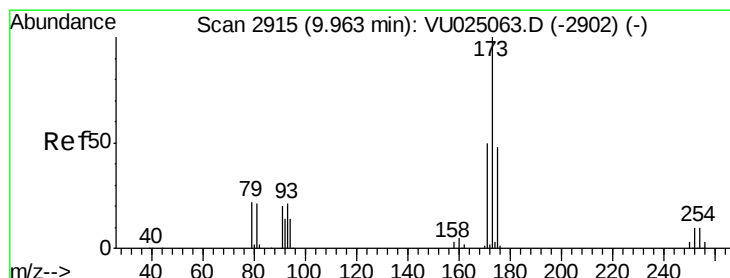
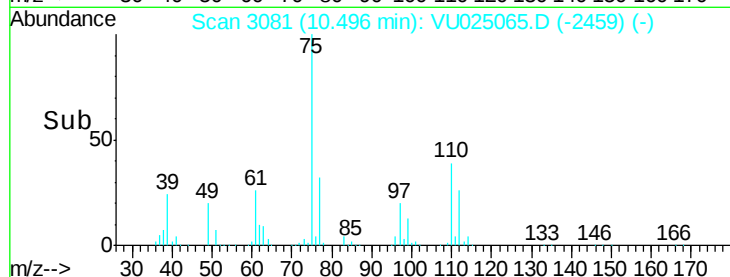
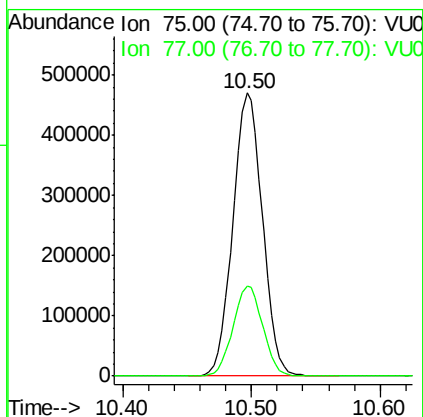
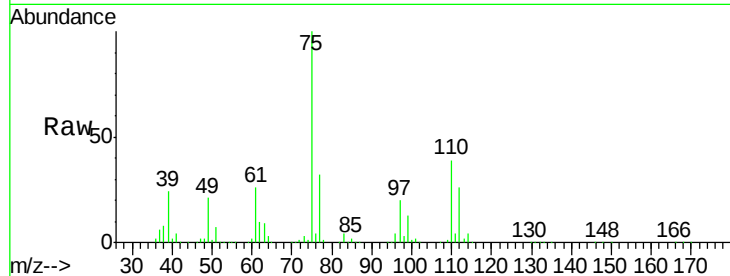




#59
1,2,3-Trichloropropane
Concen: 208.753 ug/L
RT: 10.50 min Scan# 3081
Delta R.T. -0.00 min
Lab File: VU025065.D
Acq: 29 Jun 2018 12:10

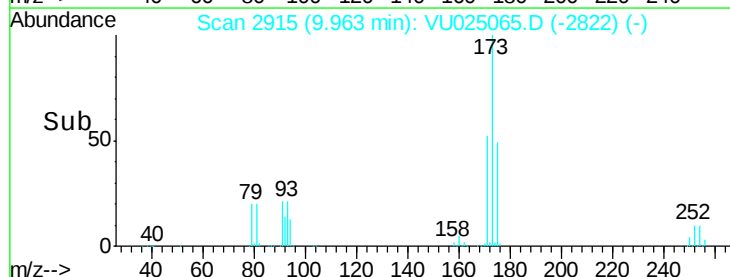
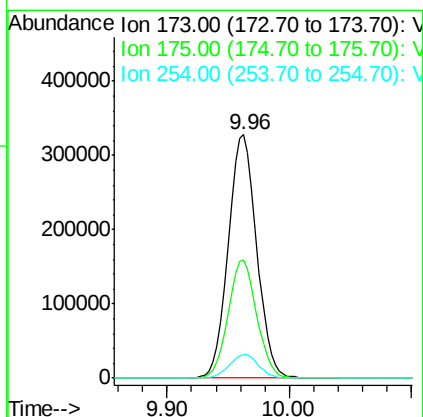
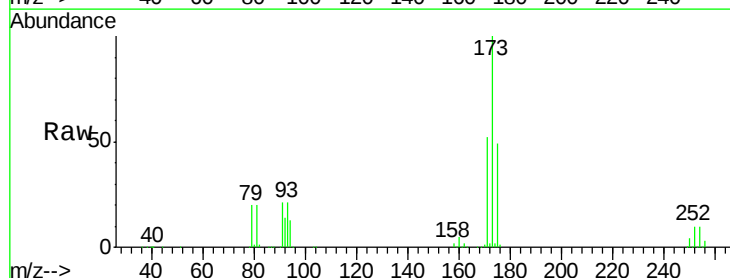
Instrument :
MSVOA_U
ClientSampleId :
VSTD20044

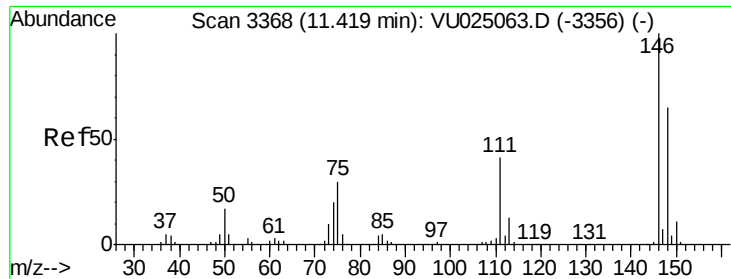
Tgt Ion: 75 Resp: 747836
Ion Ratio Lower Upper
75 100
77 31.9 26.2 39.4



#61
Bromoform
Concen: 186.122 ug/L
RT: 9.96 min Scan# 2915
Delta R.T. -0.00 min
Lab File: VU025065.D
Acq: 29 Jun 2018 12:10

Tgt Ion: 173 Resp: 533899
Ion Ratio Lower Upper
173 100
175 48.7 39.1 58.7
254 9.8 7.7 11.5





#62

1,3-Dichlorobenzene

Concen: 199.253 ug/L

RT: 11.42 min Scan# 3368

Delta R.T. -0.00 min

Lab File: VU025065.D

Acq: 29 Jun 2018 12:10

Instrument :

MSVOA_U

ClientSampleId :

VSTD20044

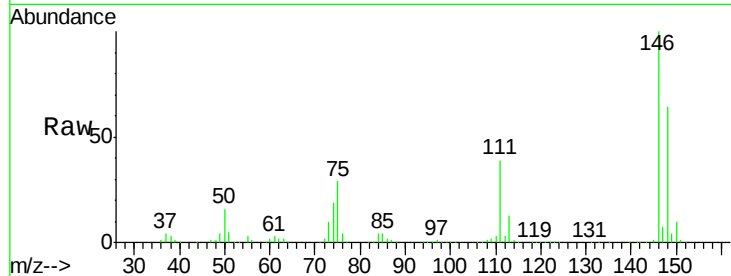
Tgt Ion:146 Resp: 1334314

Ion Ratio Lower Upper

146 100

111 39.0 28.7 53.3

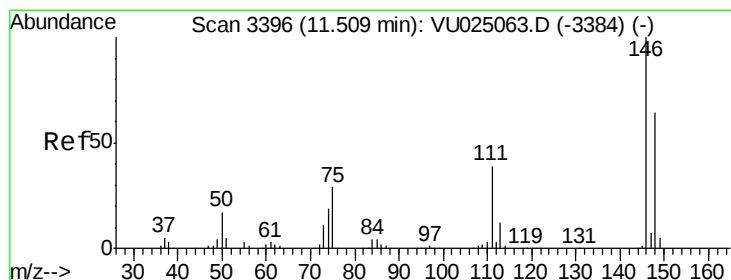
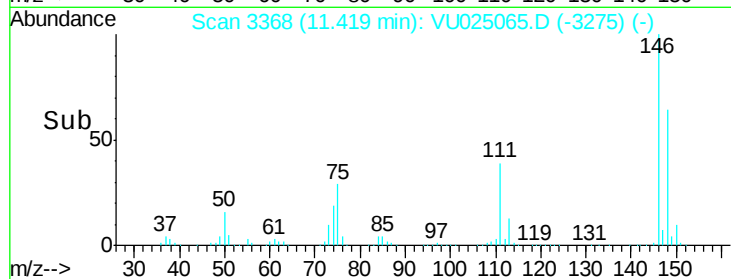
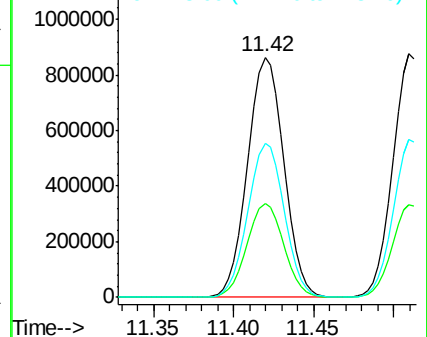
148 64.3 45.3 84.1



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: 200.096 ug/L

RT: 11.51 min Scan# 3396

Delta R.T. -0.00 min

Lab File: VU025065.D

Acq: 29 Jun 2018 12:10

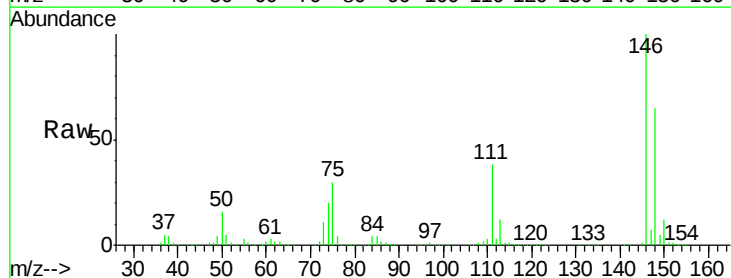
Tgt Ion:146 Resp: 1345906

Ion Ratio Lower Upper

146 100

111 38.3 27.7 51.5

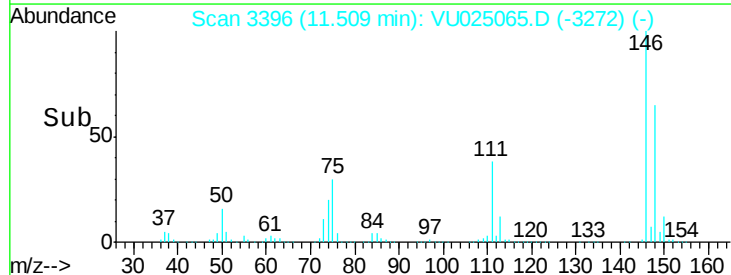
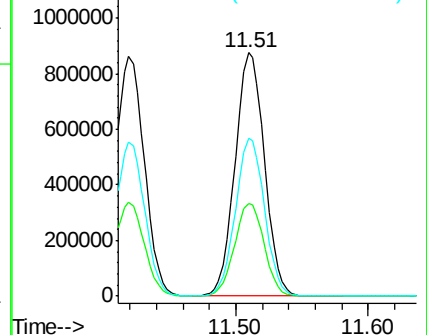
148 64.7 44.7 83.1

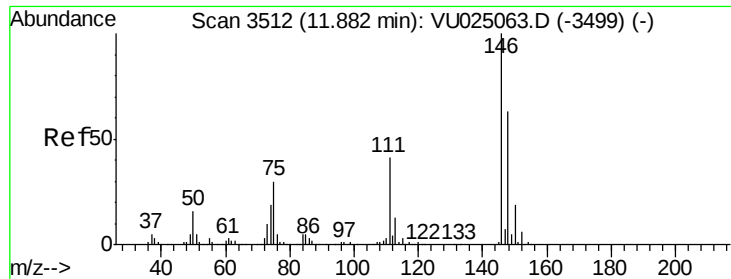


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

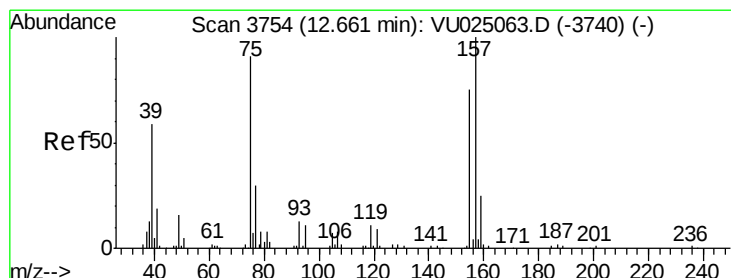
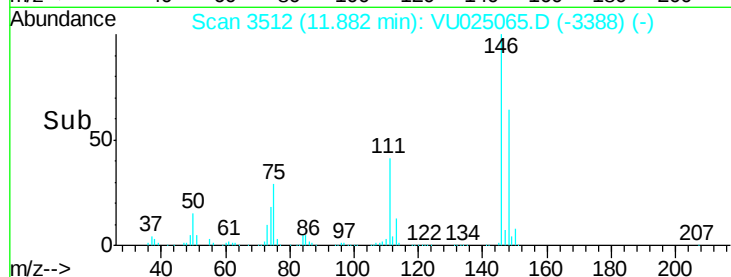
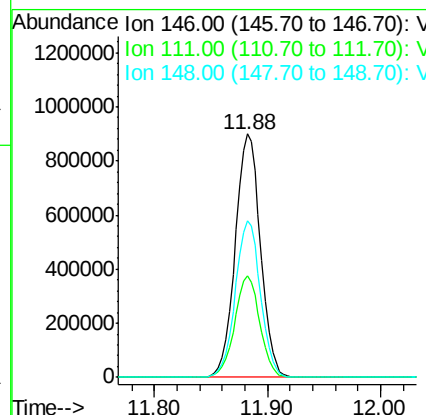
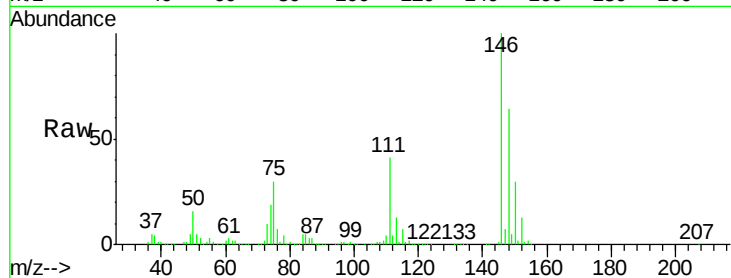




#65
 1,2-Dichlorobenzene
 Concen: 204.342 ug/L
 RT: 11.88 min Scan# 3512
 Delta R.T. -0.00 min
 Lab File: VU025065.D
 Acq: 29 Jun 2018 12:10

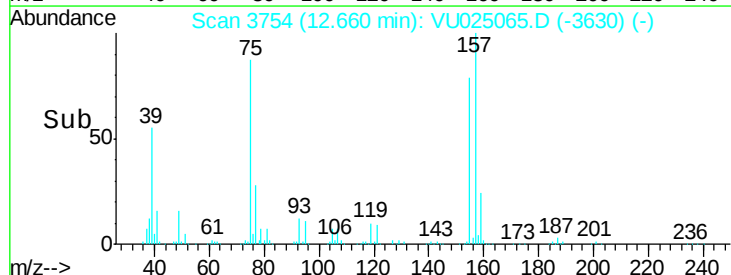
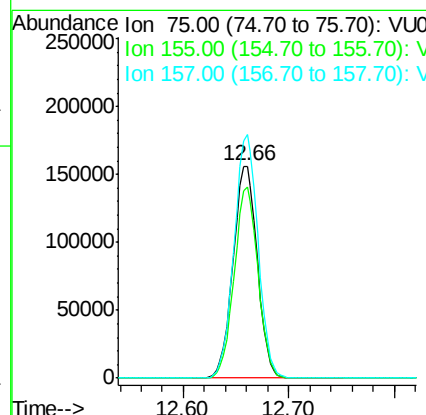
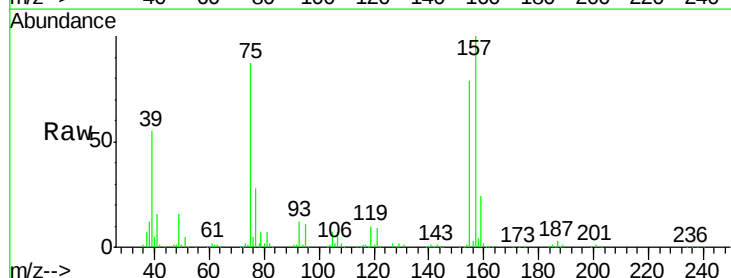
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD20044

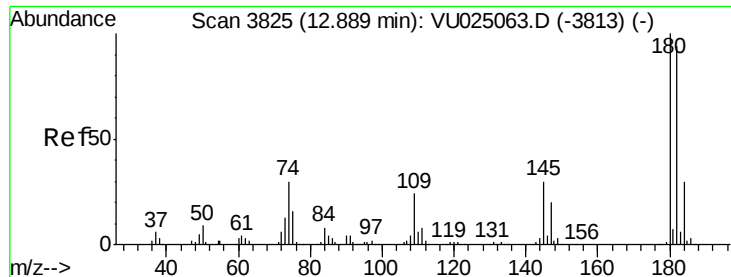
Tgt Ion:146 Resp: 1389707
 Ion Ratio Lower Upper
 146 100
 111 41.5 33.0 49.4
 148 64.2 50.1 75.1



#66
 1,2-Dibromo-3-chloropropane
 Concen: 209.185 ug/L
 RT: 12.66 min Scan# 3754
 Delta R.T. -0.00 min
 Lab File: VU025065.D
 Acq: 29 Jun 2018 12:10

Tgt Ion: 75 Resp: 247805
 Ion Ratio Lower Upper
 75 100
 155 90.4 66.3 99.5
 157 114.8 87.9 131.9

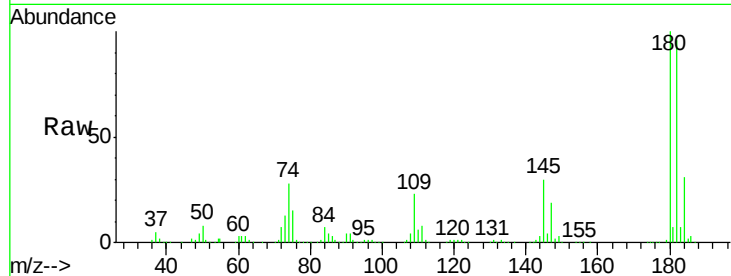




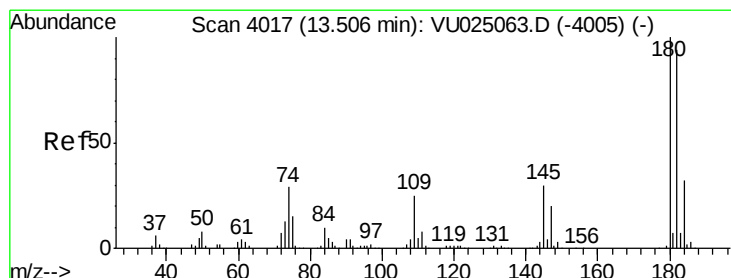
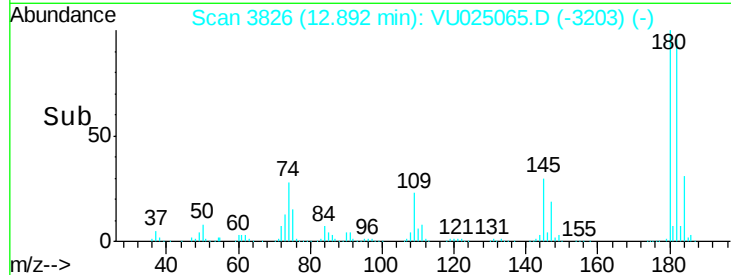
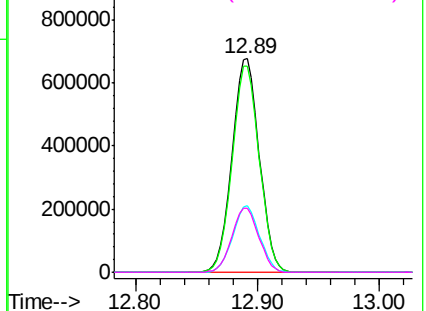
#67
 1,3,5-Trichlorobenzene
 Concen: 200.343 ug/L
 RT: 12.89 min Scan# 3826
 Delta R.T. 0.00 min
 Lab File: VU025065.D
 Acq: 29 Jun 2018 12:10

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD20044

Tgt Ion:180 Resp: 1048806
 Ion Ratio Lower Upper
 180 100
 182 95.8 76.8 115.2
 184 30.6 24.3 36.5
 145 29.9 23.8 35.8

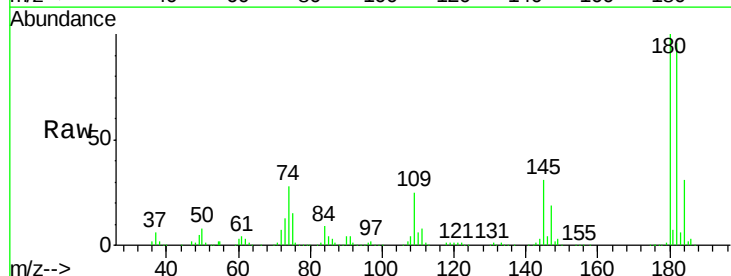


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

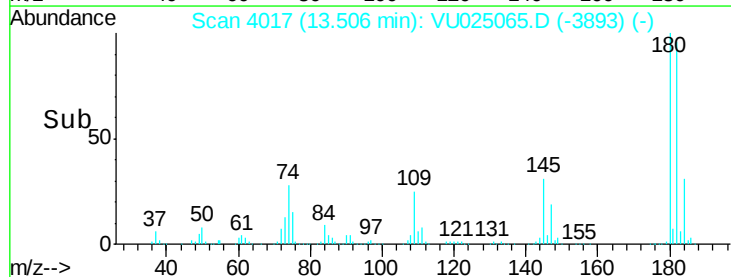
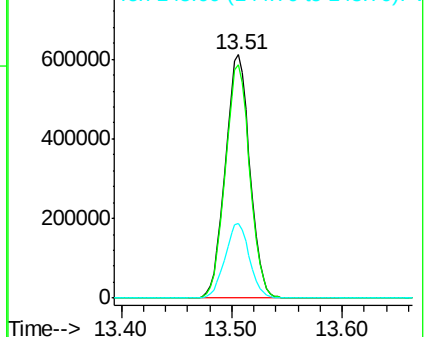


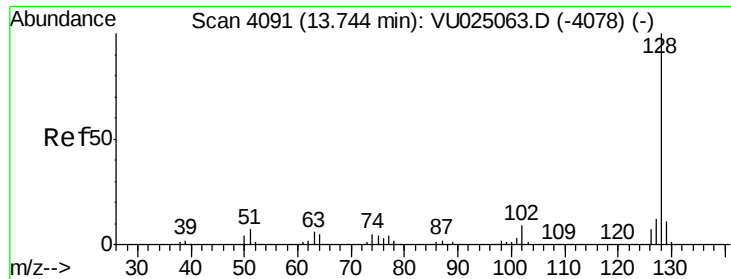
#68
 1,2,4-trichlorobenzene
 Concen: 217.729 ug/L
 RT: 13.51 min Scan# 4017
 Delta R.T. -0.00 min
 Lab File: VU025065.D
 Acq: 29 Jun 2018 12:10

Tgt Ion:180 Resp: 940572
 Ion Ratio Lower Upper
 180 100
 182 96.0 75.9 113.9
 145 30.6 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

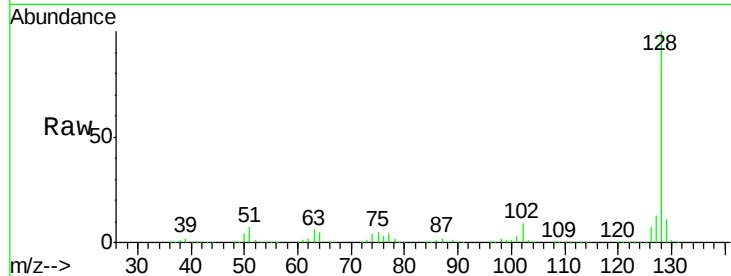




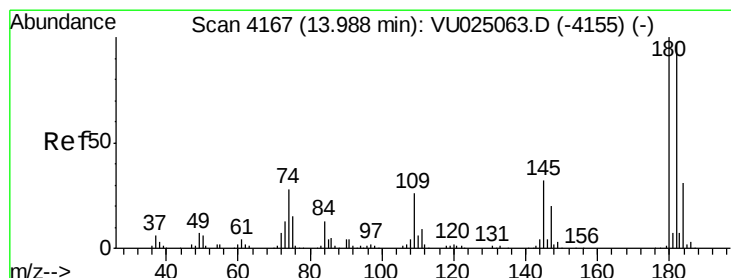
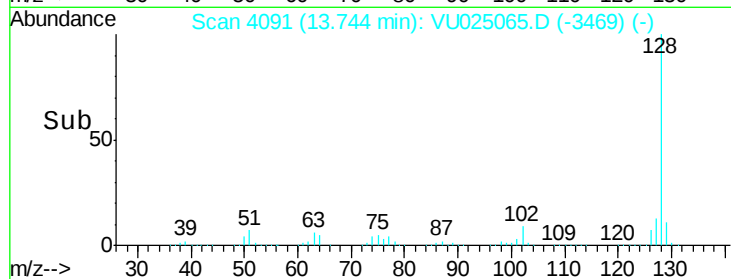
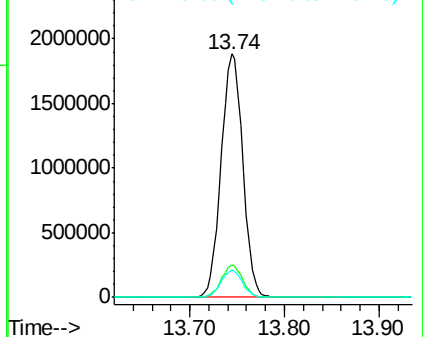
#69
Naphthalene
Concen: 240.673 ug/L
RT: 13.74 min Scan# 4091
Delta R.T. -0.00 min
Lab File: VU025065.D
Acq: 29 Jun 2018 12:10

Instrument :
MSVOA_U
ClientSampleId :
VSTD20044

Tgt Ion:128 Resp: 2994743
Ion Ratio Lower Upper
128 100
127 12.9 10.2 15.2
129 10.9 8.8 13.2

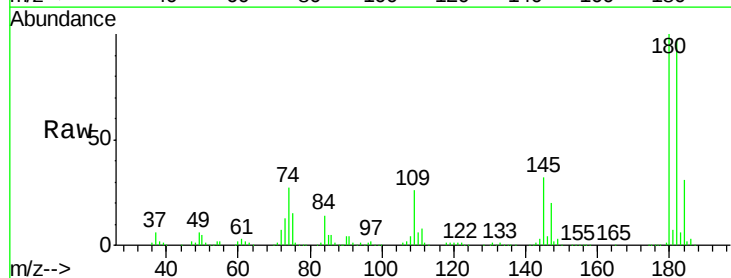


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#70
1,2,3-Trichlorobenzene
Concen: 217.873 ug/L
RT: 13.99 min Scan# 4167
Delta R.T. -0.00 min
Lab File: VU025065.D
Acq: 29 Jun 2018 12:10

Tgt Ion:180 Resp: 965849
Ion Ratio Lower Upper
180 100
182 96.1 77.4 116.0
145 32.0 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

