

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU062918\
 Data File : VU025077.D
 Acq On : 29 Jun 2018 18:15
 Operator : MD/SY
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05046

Quant Time: Jun 29 23:43:50 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM062918WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Jun 29 23:41:20 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.89	114	344461	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	322314	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.49	152	166362	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	93431	45.37	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	90.74%
7) Chloroethane-d5	1.68	69	78625	46.30	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	92.60%
11) 1,1-Dichloroethene-d2	2.27	63	217984	48.53	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	97.06%
21) 2-Butanone-d5	4.18	46	190044	110.41	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	110.41%
24) Chloroform-d	4.65	84	219640	49.80	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	99.60%
26) 1,2-Dichloroethane-d4	5.31	65	151453	48.43	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	96.86%
32) Benzene-d6	5.35	84	417496	47.21	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.42%
36) 1,2-Dichloropropane-d6	6.34	67	132214	46.94	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	93.88%
41) Toluene-d8	7.57	98	403317	46.61	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	93.22%
43) trans-1,3-Dichloropropene-	7.85	79	66189	46.86	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	93.72%
47) 2-Hexanone-d5	8.31	63	139132	108.23	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	108.23%
57) 1,1,2,2-Tetrachloroethane-	10.44	84	200726	50.29	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	100.58%
64) 1,2-Dichlorobenzene-d4	11.86	152	173218	47.79	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	95.58%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.20	85	162126	51.801	ug/L 100
3) Chloromethane	1.33	50	133523	51.717	ug/L 99
5) Vinyl chloride	1.40	62	134991	50.530	ug/L 99
6) Bromomethane	1.62	94	76807	53.549	ug/L 97
8) Chloroethane	1.70	64	83098	51.607	ug/L 96
9) Trichlorofluoromethane	1.89	101	203463	52.153	ug/L 100
10) 1,1,2-Trichloro-1,2,2-trif	2.29	101	117182	50.604	ug/L 100
12) 1,1-Dichloroethene	2.28	96	106610	50.458	ug/L 94
13) Acetone	2.32	43	166888	94.338	ug/L 100
14) Carbon disulfide	2.48	76	317809	49.815	ug/L 98
15) Methyl Acetate	2.62	43	153389	56.669	ug/L 98
16) Methylene chloride	2.70	84	129234	52.124	ug/L 99
17) trans-1,2-Dichloroethene	2.99	96	116946	51.122	ug/L 99
18) Methyl tert-butyl Ether	3.00	73	414465	52.068	ug/L 99
19) 1,1-Dichloroethane	3.45	63	226106	51.929	ug/L 98
20) cis-1,2-Dichloroethene	4.23	96	136109	51.518	ug/L 99
22) 2-Butanone	4.26	43	228795	109.325	ug/L 99

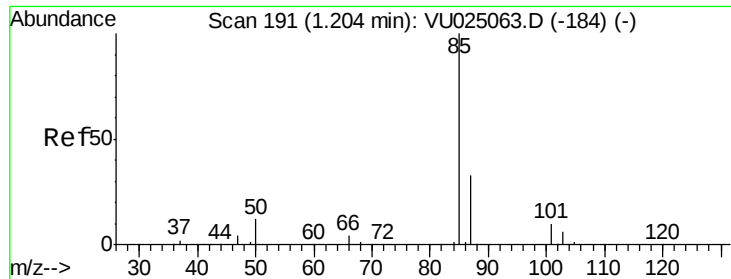
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU062918\
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.55	128	70192	51.679	ug/L	98
25) Chloroform	4.68	83	241726	51.996	ug/L	96
27) 1,2-Dichloroethane	5.41	62	201494	51.715	ug/L	97
29) Cyclohexane	5.00	56	205112	49.227	ug/L	99
30) 1,1,1-Trichloroethane	4.92	97	217758	50.583	ug/L	99
31) Carbon tetrachloride	5.14	117	194940	51.811	ug/L	100
33) Benzene	5.39	78	489390	50.065	ug/L	100
34) Trichloroethene	6.19	95	129842	49.934	ug/L	99
35) Methylcyclohexane	6.42	83	212365	48.941	ug/L	99
37) 1,2-Dichloropropane	6.44	63	133492	51.139	ug/L	100
38) Bromodichloromethane	6.76	83	178255	51.376	ug/L	97
39) cis-1,3-Dichloropropene	7.27	75	207229	50.126	ug/L	99
40) 4-Methyl-2-pentanone	7.46	43	420461	111.802	ug/L	98
42) Toluene	7.64	91	546447	51.438	ug/L	100
44) trans-1,3-Dichloropropene	7.88	75	198152	51.523	ug/L	99
45) 1,1,2-Trichloroethane	8.07	97	129963	52.174	ug/L	97
46) Tetrachloroethene	8.23	164	108230	49.171	ug/L	98
48) 2-Hexanone	8.36	43	333596	111.501	ug/L	98
49) Dibromochloromethane	8.48	129	151448	51.811	ug/L	99
50) 1,2-Dibromoethane	8.59	107	139778	50.732	ug/L	100
51) Chlorobenzene	9.12	112	359609	50.790	ug/L	100
52) Ethylbenzene	9.25	91	617954	51.718	ug/L	99
53) m,p-Xylene	9.38	106	236463	51.140	ug/L	98
54) o-xylene	9.78	106	239040	51.542	ug/L	99
55) Styrene	9.80	104	396784	52.197	ug/L	98
56) Isopropylbenzene	10.17	105	635525	52.170	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.46	83	221320	53.244	ug/L	99
59) 1,2,3-Trichloropropane	10.50	75	183640	54.262	ug/L	99
61) Bromoform	9.96	173	116384	53.288	ug/L	99
62) 1,3-Dichlorobenzene	11.42	146	284254	51.001	ug/L	100
63) 1,4-Dichlorobenzene	11.51	146	280901	50.103	ug/L	100
65) 1,2-Dichlorobenzene	11.88	146	302680	51.449	ug/L	97
66) 1,2-Dibromo-3-chloropropan	12.66	75	55099	56.599	ug/L	96
67) 1,3,5-Trichlorobenzene	12.89	180	212956	51.466	ug/L	99
68) 1,2,4-trichlorobenzene	13.51	180	176146	50.919	ug/L	98
69) Naphthalene	13.74	128	609304	52.971	ug/L	100
70) 1,2,3-Trichlorobenzene	13.99	180	191016	51.411	ug/L	99

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



#2

Dichlorodifluoromethane

Concen: 51.801 ug/L

RT: 1.20 min Scan# 191

Delta R.T. -0.00 min

Lab File: VU025077.D

Acq: 29 Jun 2018 18:15

Instrument :

MSVOA_U

ClientSampleId :

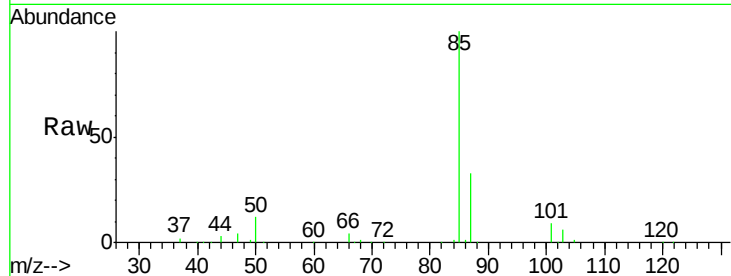
VSTD05046

Tgt Ion: 85 Resp: 162126

Ion Ratio Lower Upper

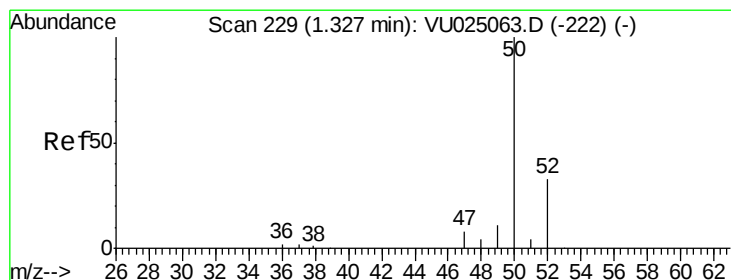
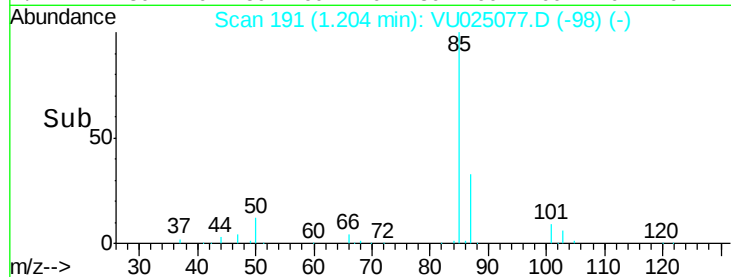
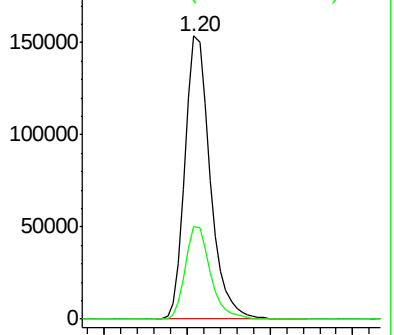
85 100

87 32.7 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: 51.717 ug/L

RT: 1.33 min Scan# 230

Delta R.T. 0.00 min

Lab File: VU025077.D

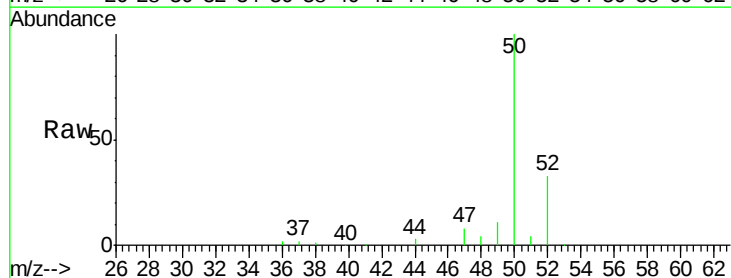
Acq: 29 Jun 2018 18:15

Tgt Ion: 50 Resp: 133523

Ion Ratio Lower Upper

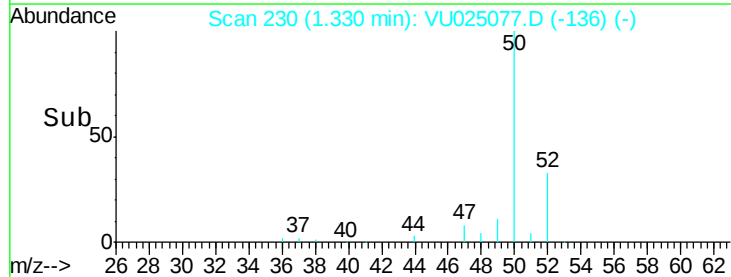
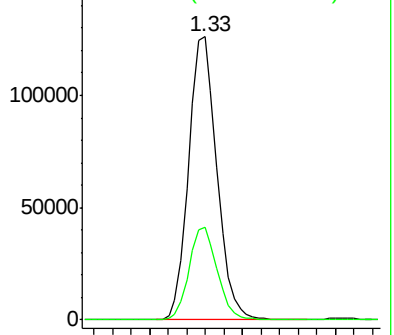
50 100

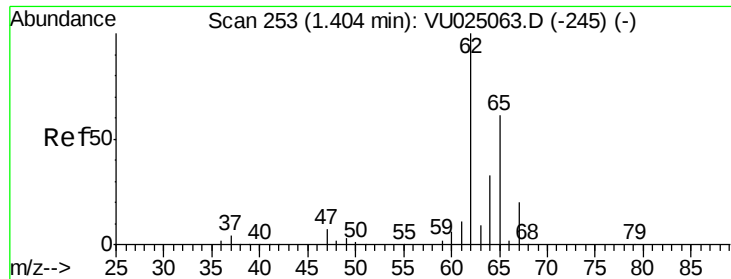
52 32.6 23.1 42.9



Abundance Ion 50.00 (49.70 to 50.70): VU0

Ion 52.00 (51.70 to 52.70): VU0





#5

Vinyl chloride

Concen: 50.530 ug/L

RT: 1.40 min Scan# 253

Delta R.T. -0.00 min

Lab File: VU025077.D

Acq: 29 Jun 2018 18:15

Instrument :

MSVOA_U

ClientSampleId :

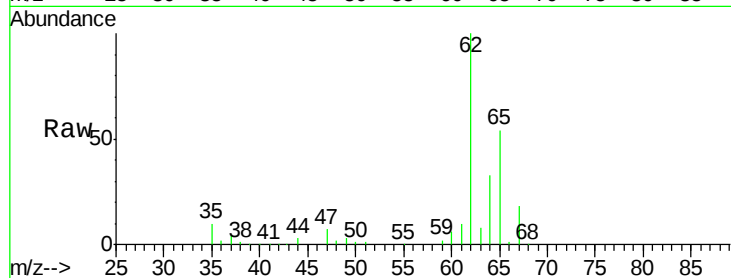
VSTD05046

Tgt Ion: 62 Resp: 134991

Ion Ratio Lower Upper

62 100

64 33.4 23.0 42.8



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 64.00 (63.70 to 64.70): VU0

150000

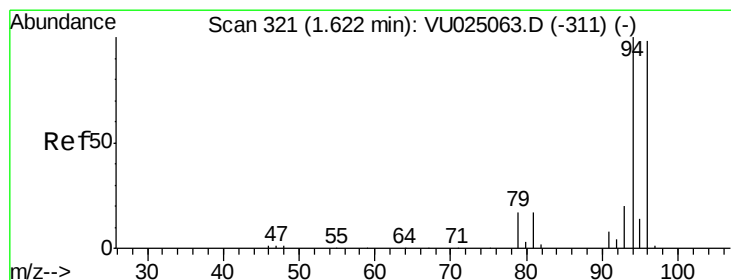
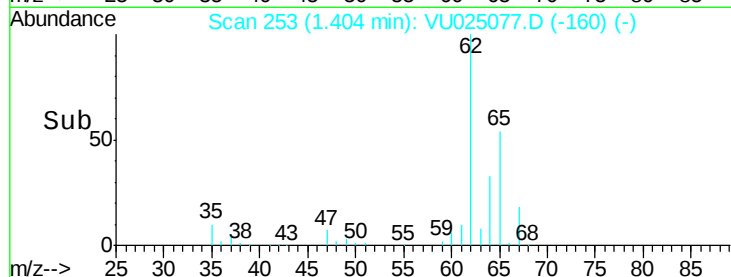
100000

50000

0

Time-->

1.35 1.40 1.45 1.50



#6

Bromomethane

Concen: 53.549 ug/L

RT: 1.62 min Scan# 320

Delta R.T. -0.00 min

Lab File: VU025077.D

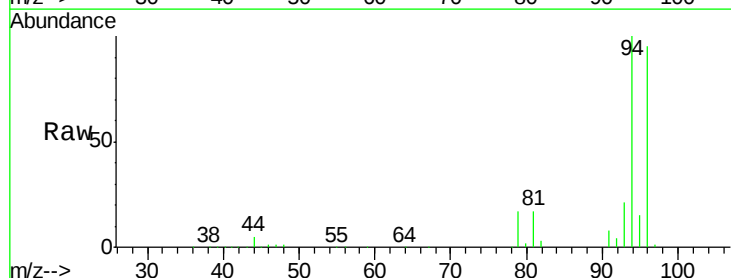
Acq: 29 Jun 2018 18:15

Tgt Ion: 94 Resp: 76807

Ion Ratio Lower Upper

94 100

96 95.1 68.4 127.0



Abundance Ion 94.00 (93.70 to 94.70): VU0

Ion 96.00 (95.70 to 96.70): VU0

60000

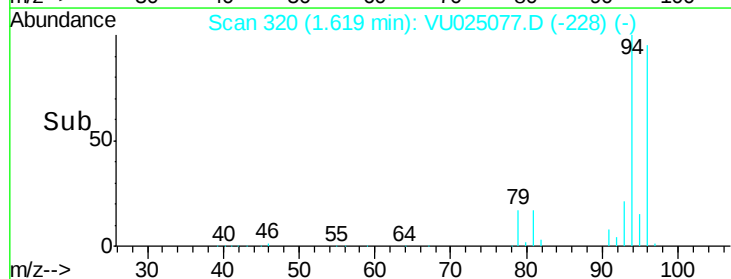
40000

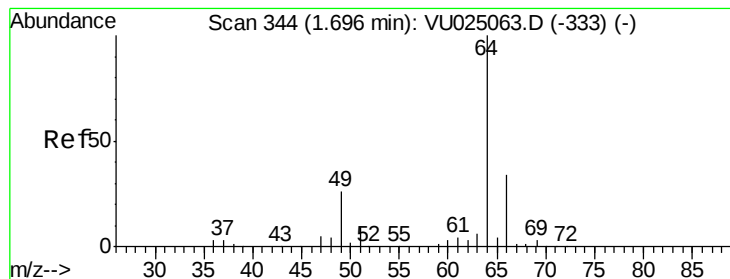
20000

0

Time-->

1.55 1.60 1.65 1.70





#8

Chloroethane

Concen: 51.607 ug/L

RT: 1.70 min Scan# 344

Delta R.T. -0.00 min

Lab File: VU025077.D

Acq: 29 Jun 2018 18:15

Instrument :

MSVOA_U

ClientSampleId :

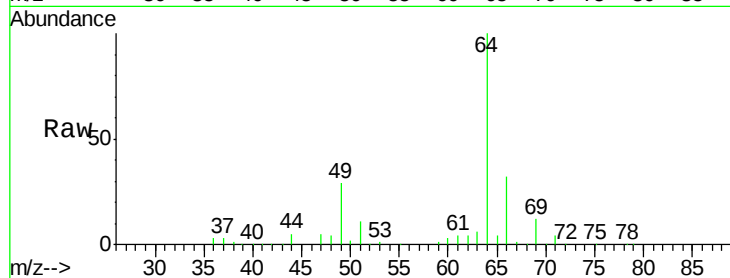
VSTD05046

Tgt Ion: 64 Resp: 83098

Ion Ratio Lower Upper

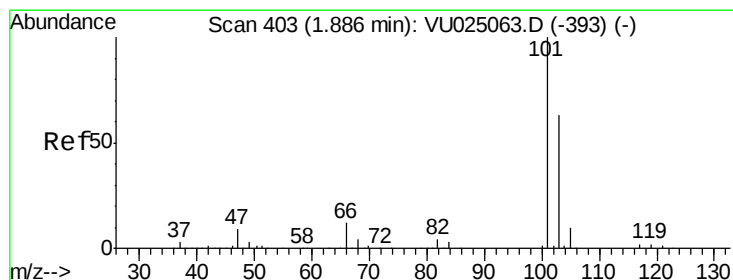
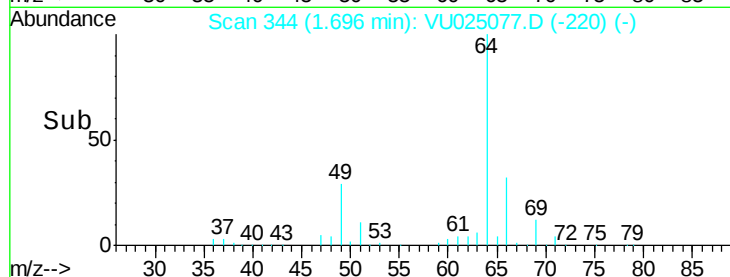
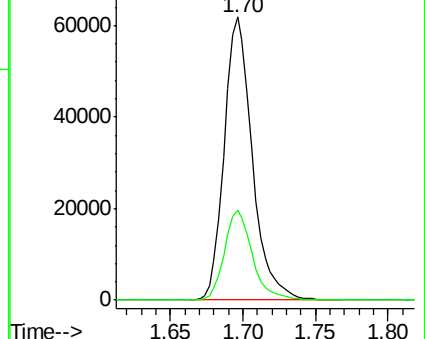
64 100

66 31.7 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) (-)



#9

Trichlorofluoromethane

Concen: 52.153 ug/L

RT: 1.89 min Scan# 403

Delta R.T. -0.00 min

Lab File: VU025077.D

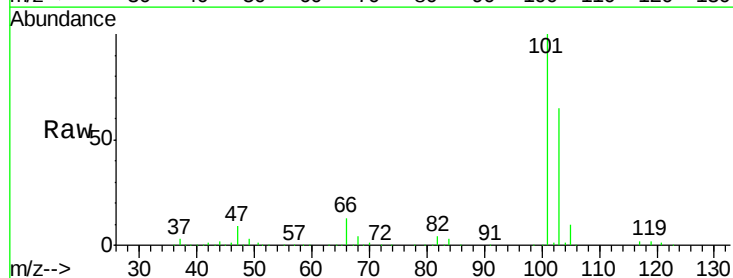
Acq: 29 Jun 2018 18:15

Tgt Ion: 101 Resp: 203463

Ion Ratio Lower Upper

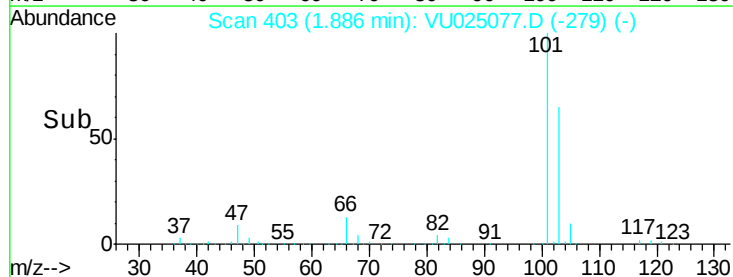
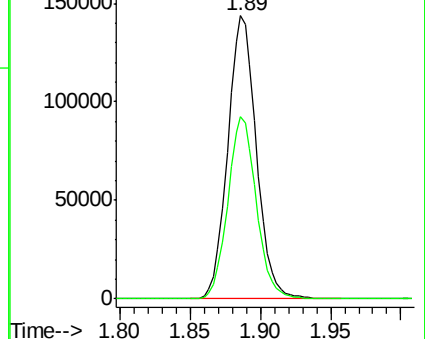
101 100

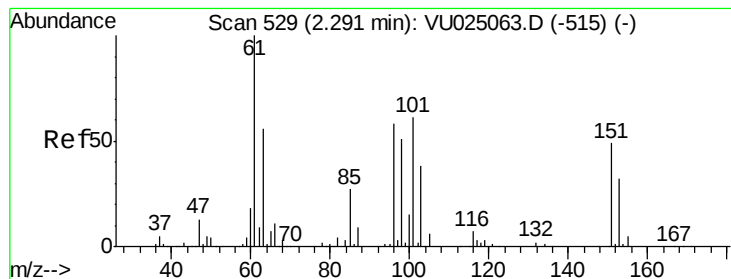
103 64.1 51.1 76.7



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

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





#10

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

Concen: 50.604 ug/L

RT: 2.29 min Scan# 528

Delta R.T. -0.00 min

Lab File: VU025077.D

Acq: 29 Jun 2018 18:15

Instrument :

MSVOA_U

ClientSampleId :

VSTD05046

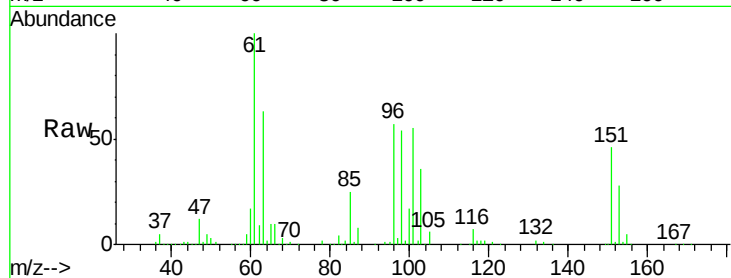
Tgt Ion: 101 Resp: 117182

Ion Ratio Lower Upper

101 100

85 44.3 35.8 53.6

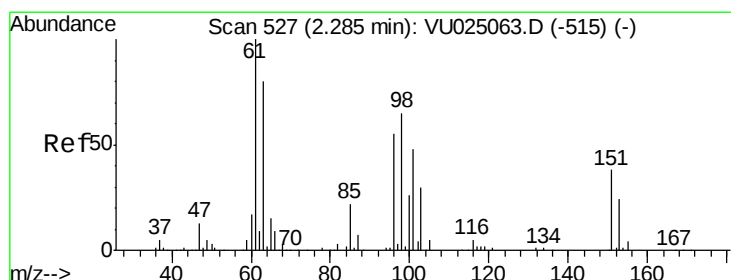
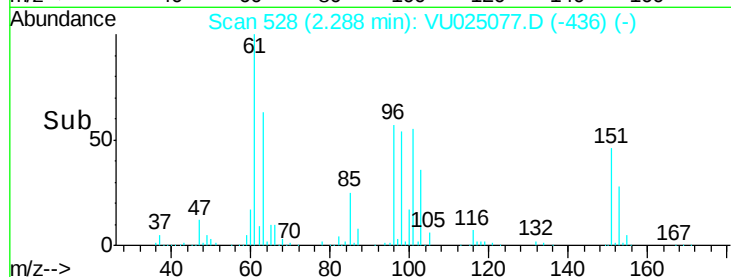
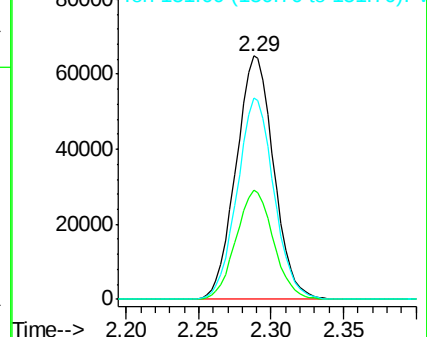
151 80.8 64.6 96.8



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: 50.458 ug/L

RT: 2.28 min Scan# 527

Delta R.T. -0.00 min

Lab File: VU025077.D

Acq: 29 Jun 2018 18:15

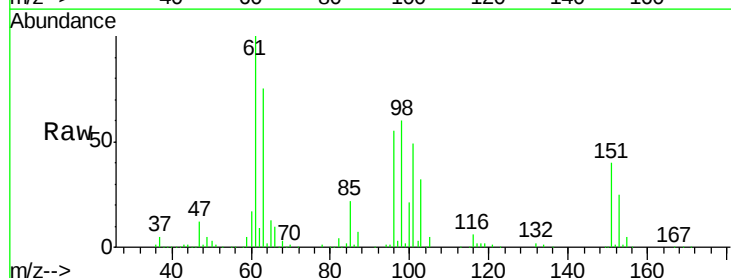
Tgt Ion: 96 Resp: 106610

Ion Ratio Lower Upper

96 100

61 180.3 128.1 237.9

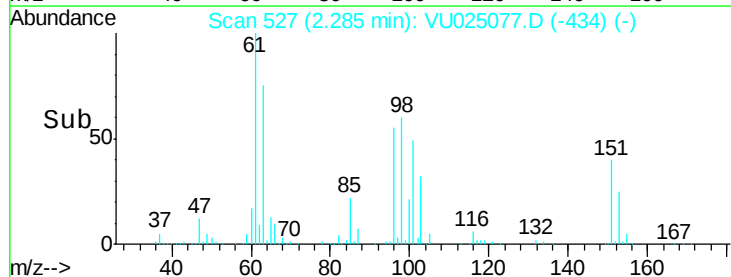
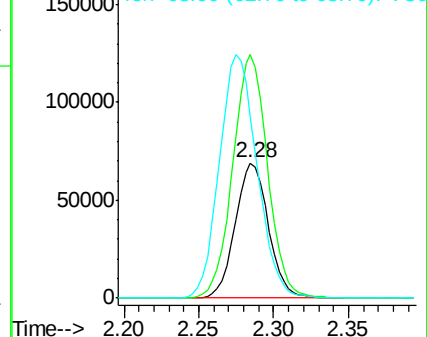
63 134.7 103.6 192.4

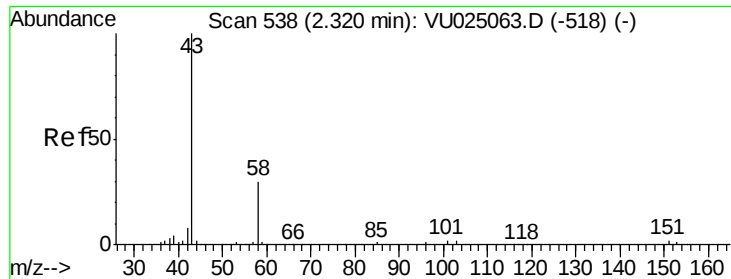


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 94.338 ug/L

RT: 2.32 min Scan# 538

Delta R.T. -0.00 min

Lab File: VU025077.D

Acq: 29 Jun 2018 18:15

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MSVOA_U

ClientSampleId :

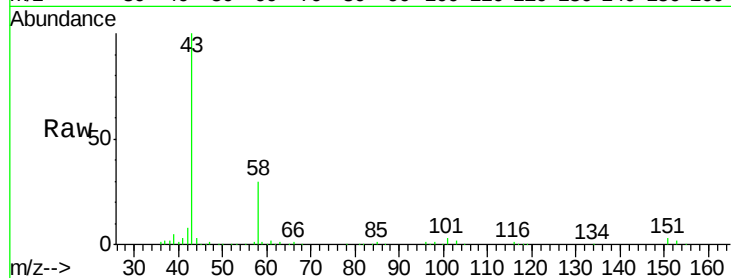
VSTD05046

Tgt Ion: 43 Resp: 166888

Ion Ratio Lower Upper

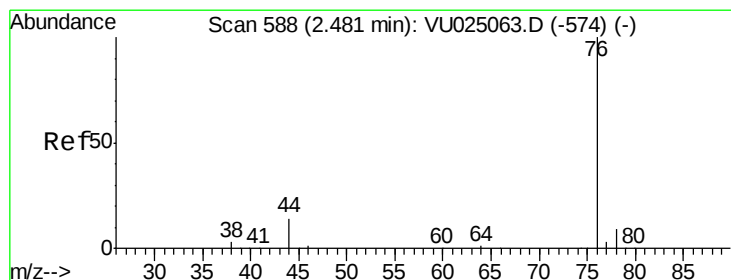
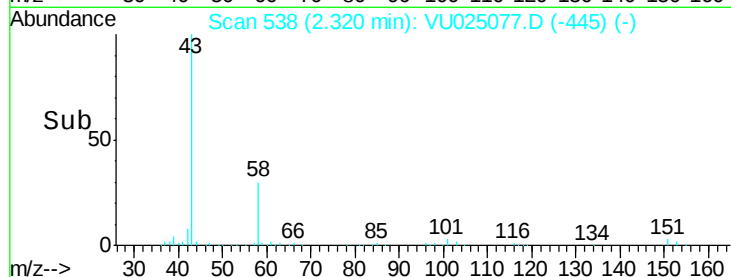
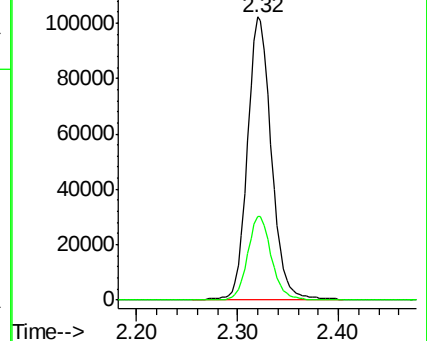
43 100

58 29.6 0.0 59.4



Abundance Ion 43.00 (42.70 to 43.70): VU025077.D (-445) (-)

Ion 58.00 (57.70 to 58.70): VU025077.D (-445) (-)



#14

Carbon disulfide

Concen: 49.815 ug/L

RT: 2.48 min Scan# 588

Delta R.T. -0.00 min

Lab File: VU025077.D

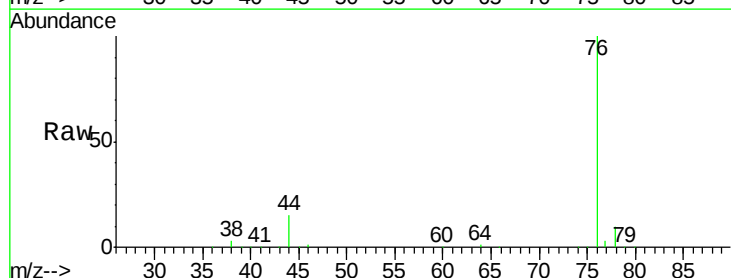
Acq: 29 Jun 2018 18:15

Tgt Ion: 76 Resp: 317809

Ion Ratio Lower Upper

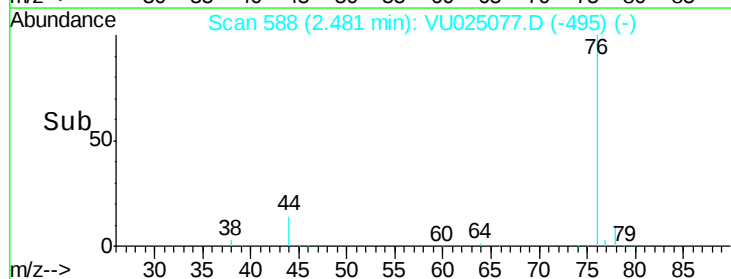
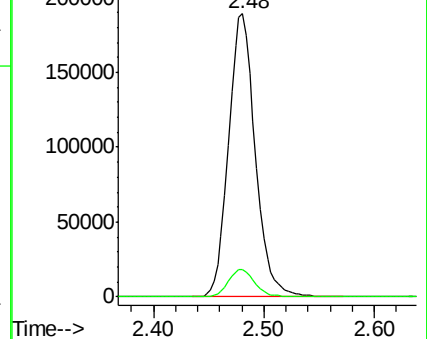
76 100

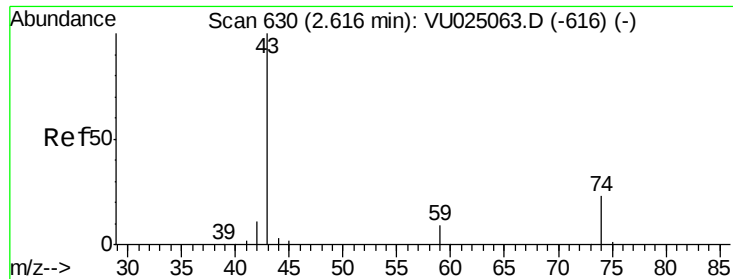
78 9.8 7.3 10.9



Abundance Ion 76.00 (75.70 to 76.70): VU025077.D (-495) (-)

Ion 78.00 (77.70 to 78.70): VU025077.D (-495) (-)

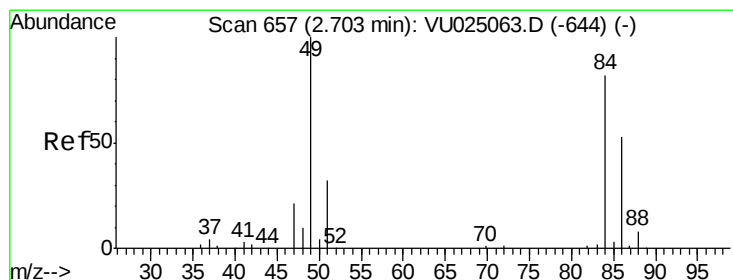
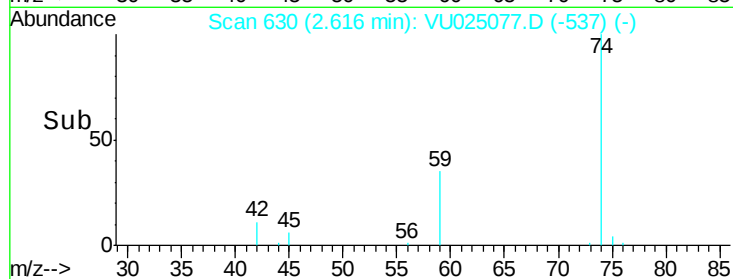
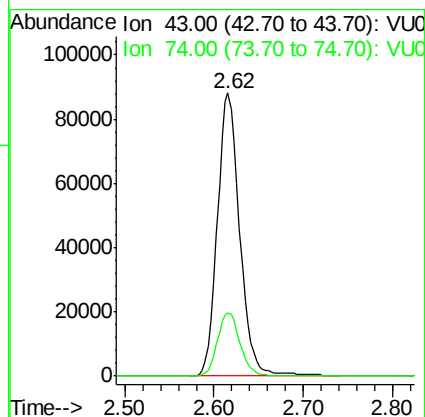
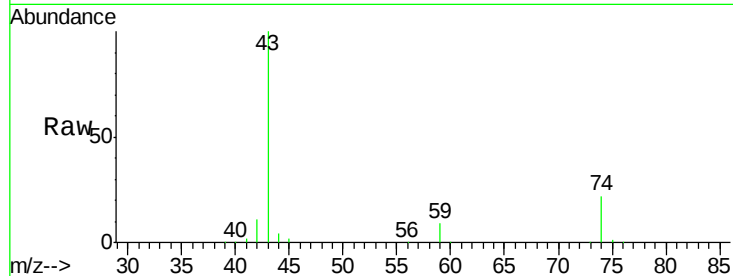




#15
Methyl Acetate
Concen: 56.669 ug/L
RT: 2.62 min Scan# 630
Delta R.T. -0.00 min
Lab File: VU025077.D
Acq: 29 Jun 2018 18:15

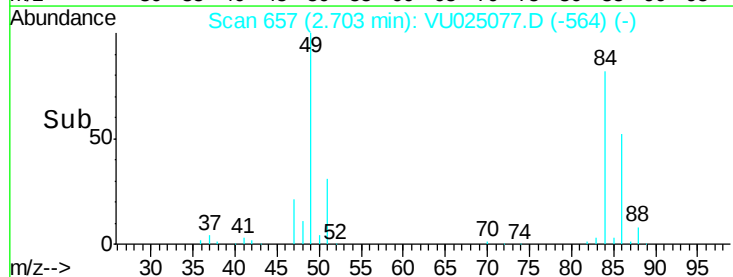
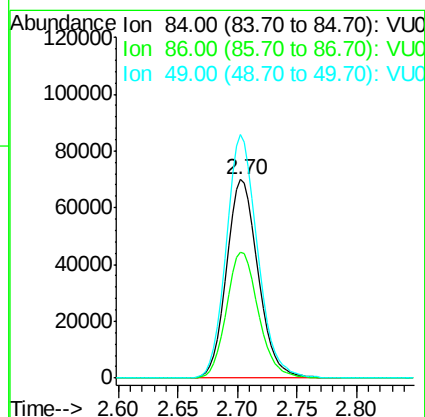
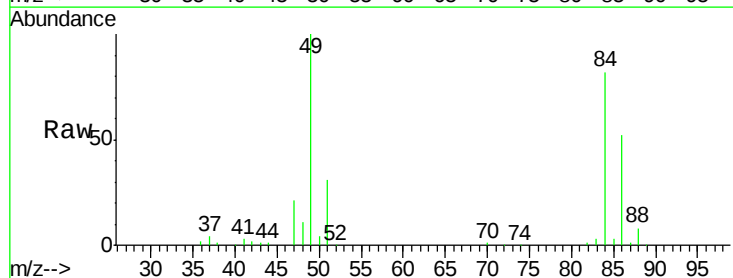
Instrument :
MSVOA_U
ClientSampleId :
VSTD05046

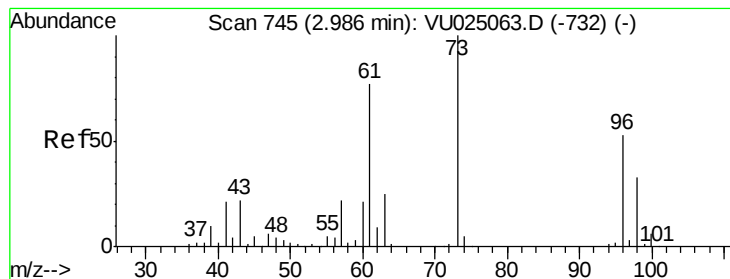
Tgt Ion: 43 Resp: 153389
Ion Ratio Lower Upper
43 100
74 22.4 18.6 28.0



#16
Methylene chloride
Concen: 52.124 ug/L
RT: 2.70 min Scan# 657
Delta R.T. -0.00 min
Lab File: VU025077.D
Acq: 29 Jun 2018 18:15

Tgt Ion: 84 Resp: 129234
Ion Ratio Lower Upper
84 100
86 63.5 44.9 83.5
49 122.6 85.6 159.0





#17

trans-1,2-Dichloroethene

Concen: 51.122 ug/L

RT: 2.99 min Scan# 745

Delta R.T. -0.00 min

Lab File: VU025077.D

Acq: 29 Jun 2018 18:15

Instrument :

MSVOA_U

ClientSampleId :

VSTD05046

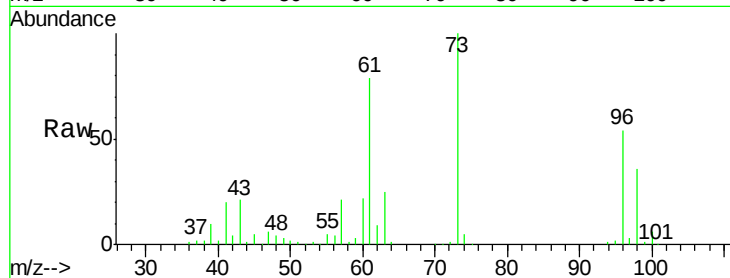
Tgt Ion: 96 Resp: 116946

Ion Ratio Lower Upper

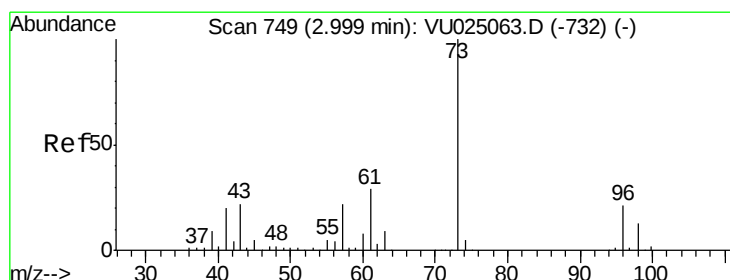
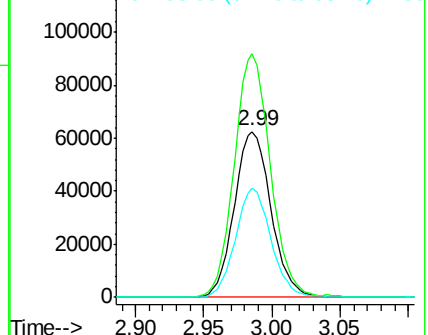
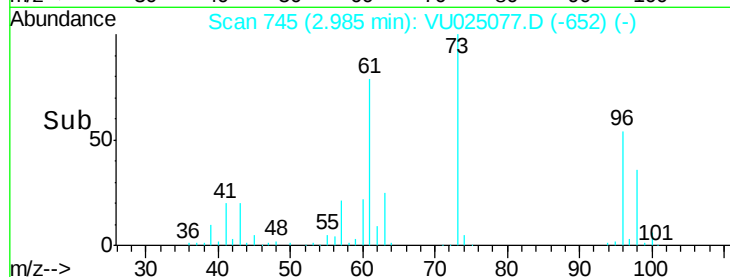
96 100

61 147.0 102.7 190.7

98 65.8 44.4 82.5



Abundance Ion 96.00 (95.70 to 96.70): VU025077.D (-652) (-)



#18

Methyl tert-butyl Ether

Concen: 52.068 ug/L

RT: 3.00 min Scan# 749

Delta R.T. -0.00 min

Lab File: VU025077.D

Acq: 29 Jun 2018 18:15

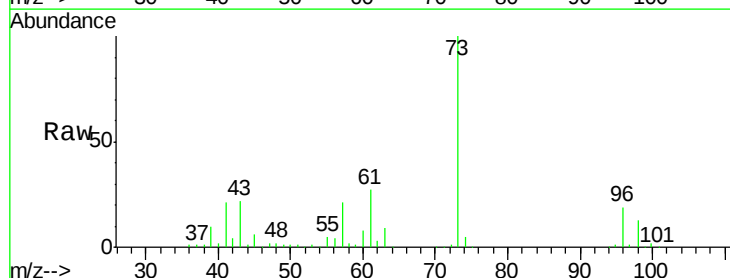
Tgt Ion: 73 Resp: 414465

Ion Ratio Lower Upper

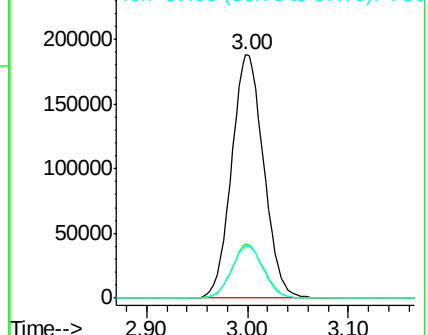
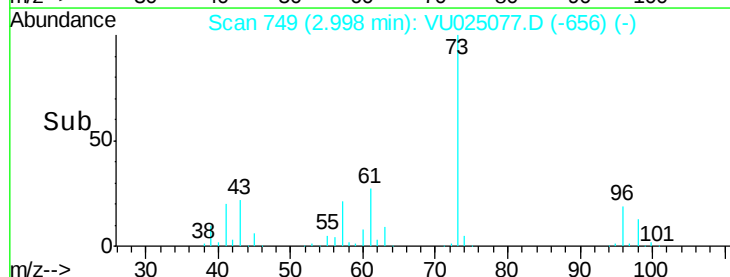
73 100

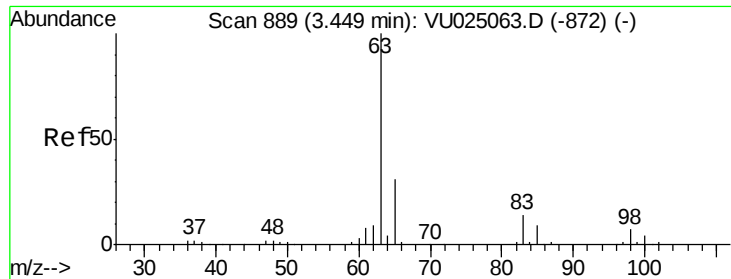
43 22.0 17.2 25.8

57 21.3 17.2 25.8



Abundance Ion 73.00 (72.70 to 73.70): VU025077.D (-656) (-)

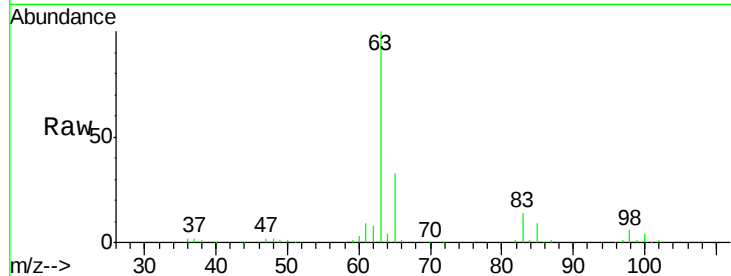




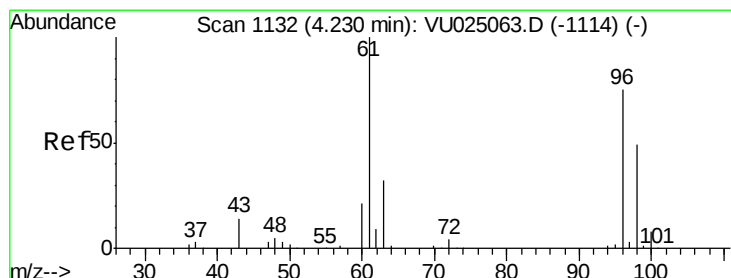
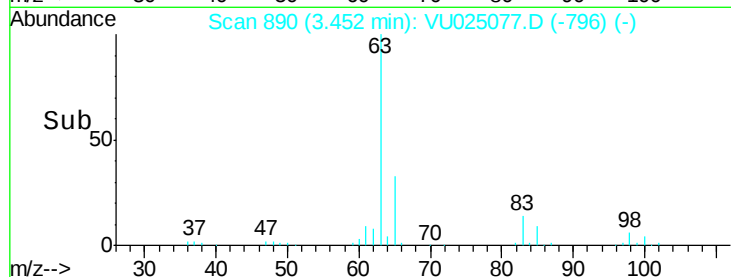
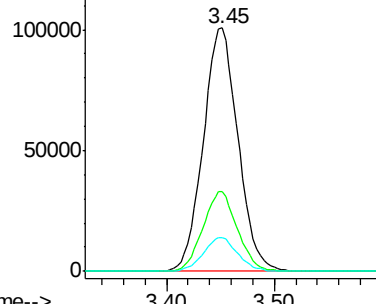
#19
 1,1-Dichloroethane
 Concen: 51.929 ug/L
 RT: 3.45 min Scan# 890
 Delta R.T. 0.00 min
 Lab File: VU025077.D
 Acq: 29 Jun 2018 18:15

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05046

Tgt Ion: 63 Resp: 226106
 Ion Ratio Lower Upper
 63 100
 65 32.6 21.9 40.7
 83 13.8 9.7 18.1

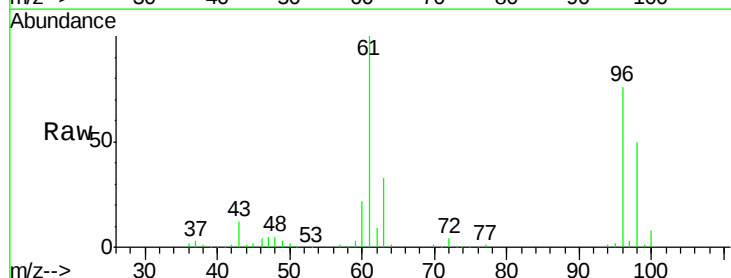


Abundance Ion 63.00 (62.70 to 63.70): VU0
 Ion 65.00 (64.70 to 65.70): VU0
 Ion 83.00 (82.70 to 83.70): VU0

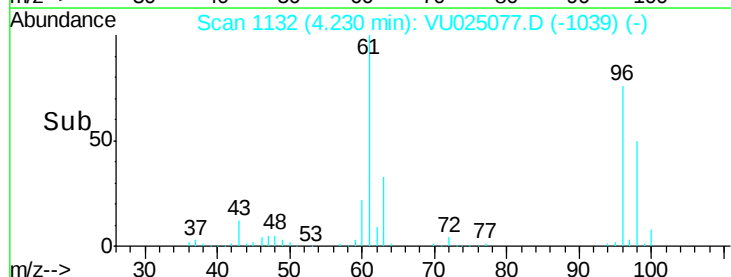
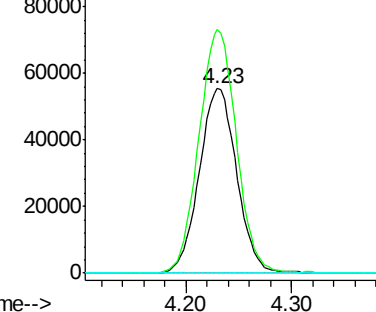


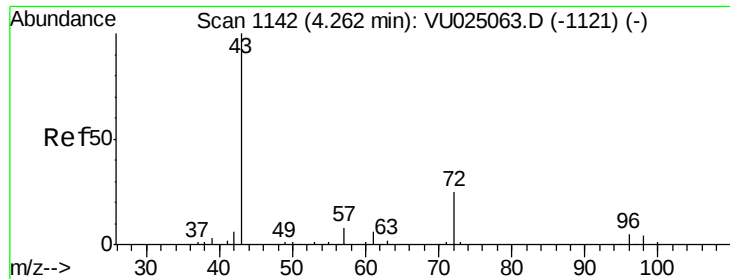
#20
 cis-1,2-Dichloroethene
 Concen: 51.518 ug/L
 RT: 4.23 min Scan# 1132
 Delta R.T. -0.00 min
 Lab File: VU025077.D
 Acq: 29 Jun 2018 18:15

Tgt Ion: 96 Resp: 136109
 Ion Ratio Lower Upper
 96 100
 61 131.9 93.4 173.6
 68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU0
 Ion 61.00 (60.70 to 61.70): VU0
 Ion 68.00 (67.70 to 68.70): VU0





#22

2-Butanone

Concen: 109.325 ug/L

RT: 4.26 min Scan# 1142

Delta R.T. -0.00 min

Lab File: VU025077.D

Acq: 29 Jun 2018 18:15

Instrument :

MSVOA_U

ClientSampleId :

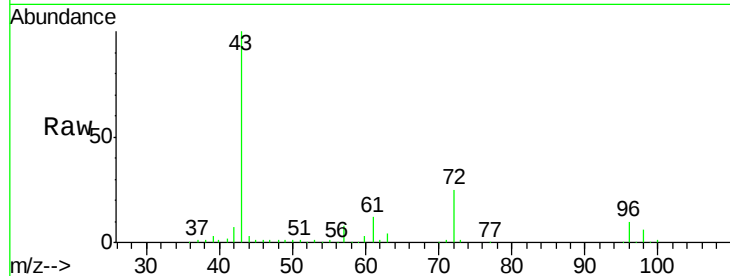
VSTD05046

Tgt Ion: 43 Resp: 228795

Ion Ratio Lower Upper

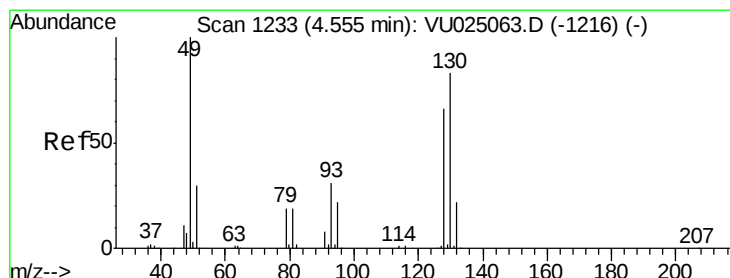
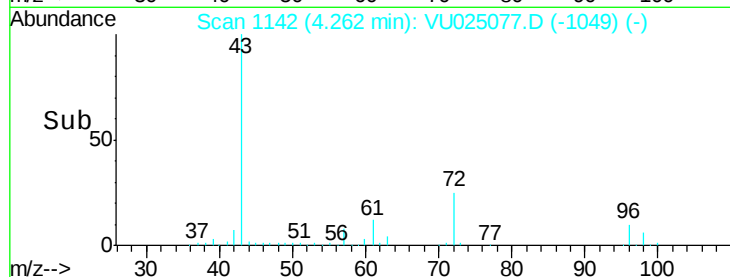
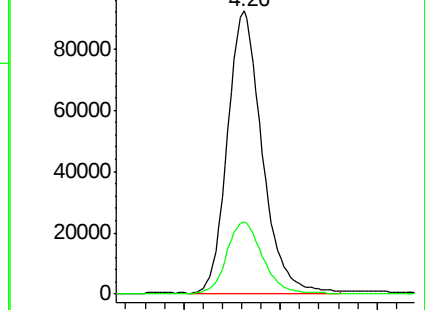
43 100

72 27.0 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: 51.679 ug/L

RT: 4.55 min Scan# 1232

Delta R.T. -0.00 min

Lab File: VU025077.D

Acq: 29 Jun 2018 18:15

Tgt Ion: 128 Resp: 70192

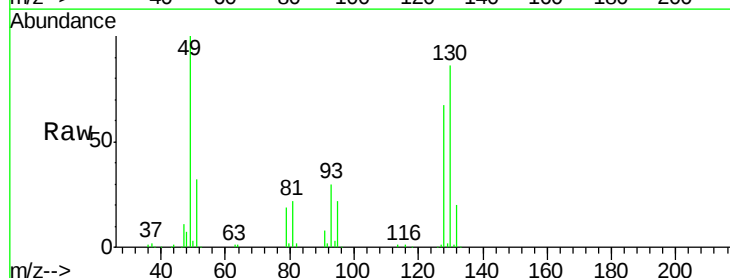
Ion Ratio Lower Upper

128 100

49 149.2 106.1 197.1

130 127.8 87.7 162.9

51 48.2 36.8 55.2

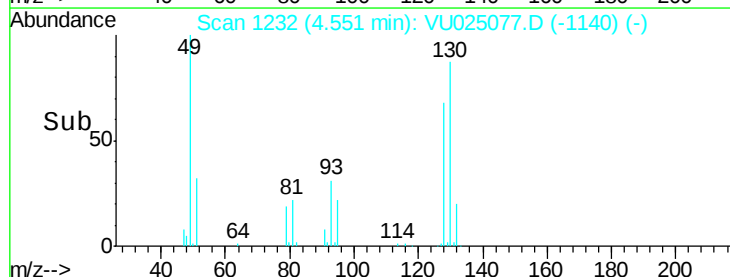
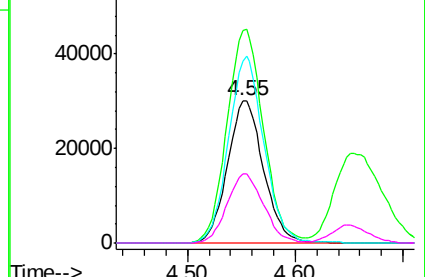


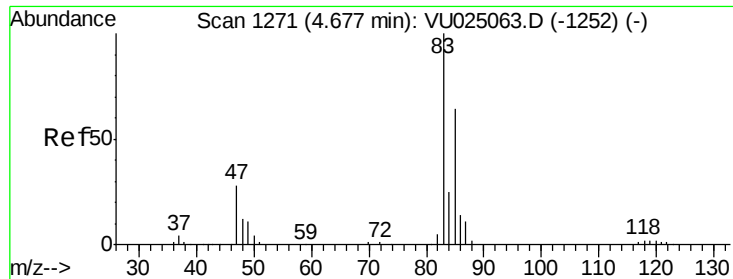
Abundance Ion 128.00 (127.70 to 128.70): VU025063.D (-1216) (-)

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) (-)

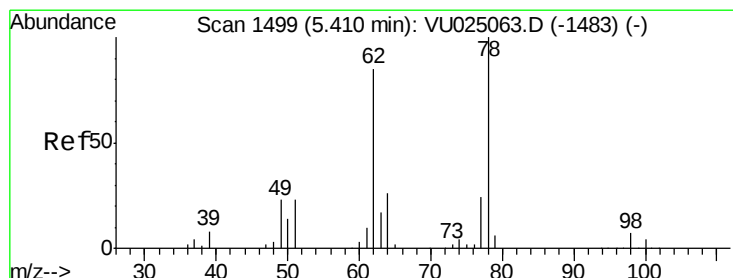
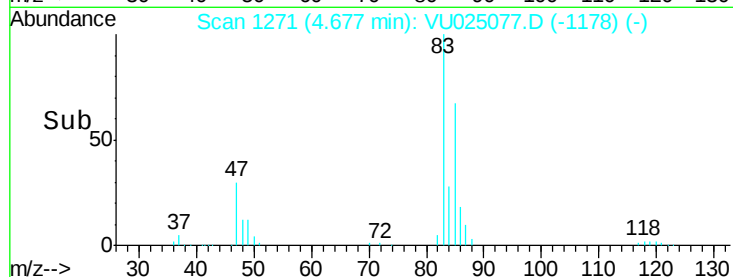
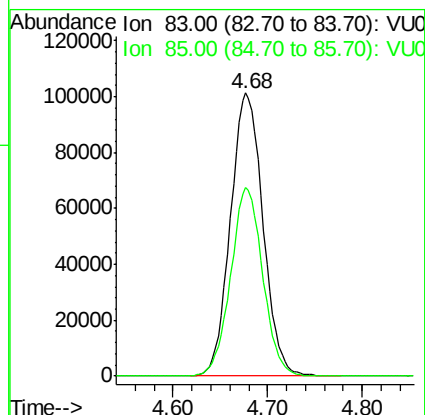
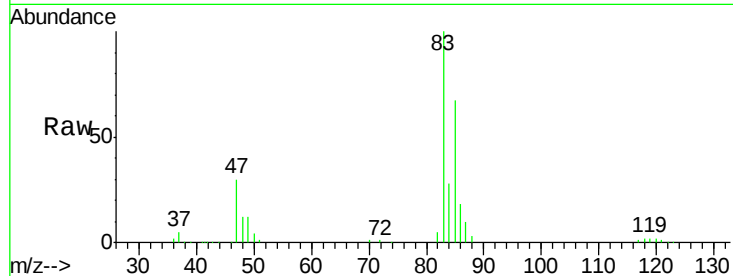




#25
Chloroform
Concen: 51.996 ug/L
RT: 4.68 min Scan# 1271
Delta R.T. -0.00 min
Lab File: VU025077.D
Acq: 29 Jun 2018 18:15

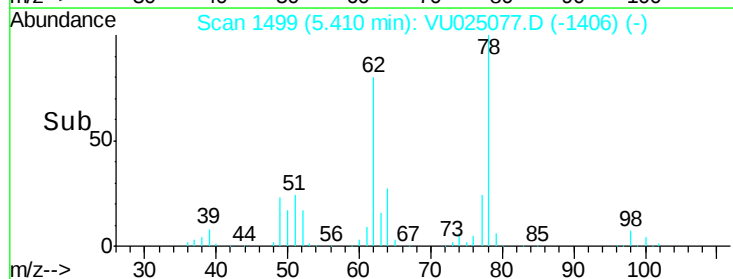
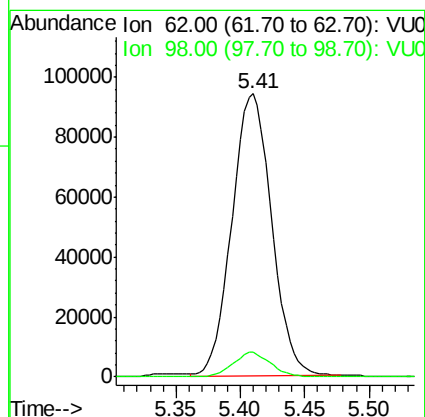
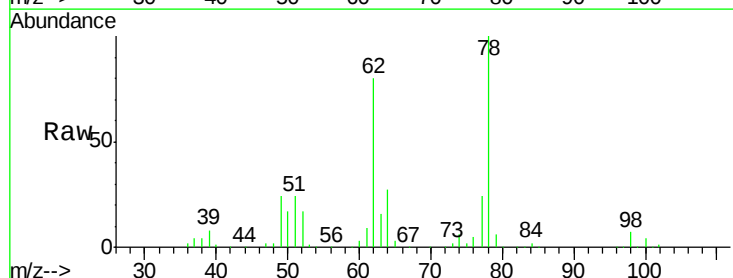
Instrument :
MSVOA_U
ClientSampleId :
VSTD05046

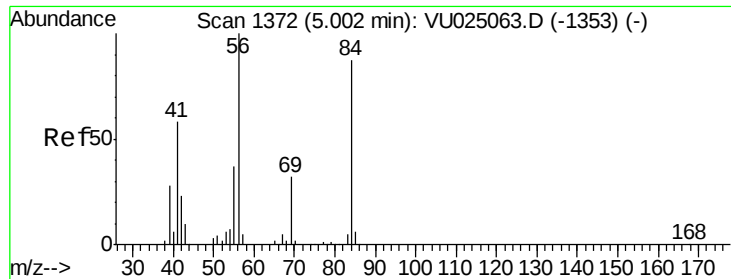
Tgt Ion: 83 Resp: 241726
Ion Ratio Lower Upper
83 100
85 66.6 44.7 83.1



#27
1,2-Dichloroethane
Concen: 51.715 ug/L
RT: 5.41 min Scan# 1499
Delta R.T. -0.00 min
Lab File: VU025077.D
Acq: 29 Jun 2018 18:15

Tgt Ion: 62 Resp: 201494
Ion Ratio Lower Upper
62 100
98 8.9 6.4 9.6

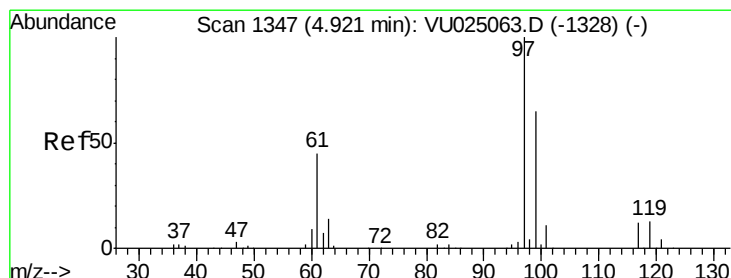
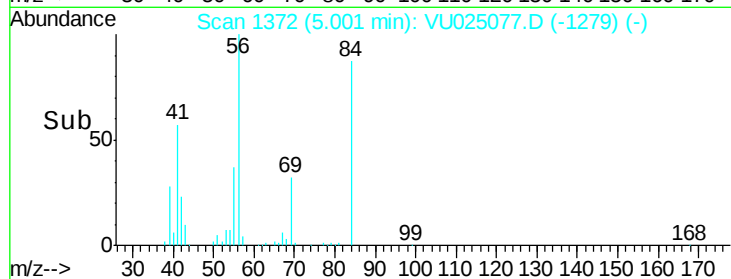
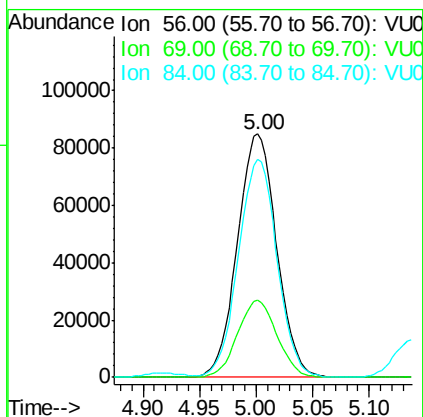
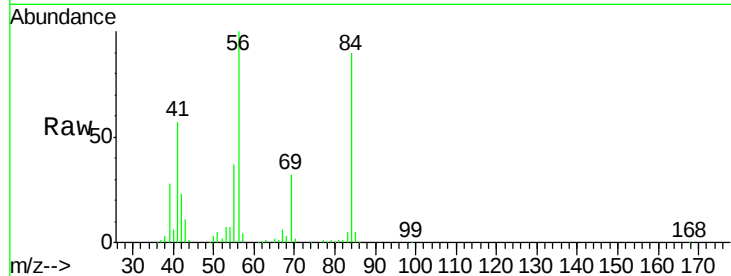




#29
Cyclohexane
Concen: 49.227 ug/L
RT: 5.00 min Scan# 1372
Delta R.T. -0.00 min
Lab File: VU025077.D
Acq: 29 Jun 2018 18:15

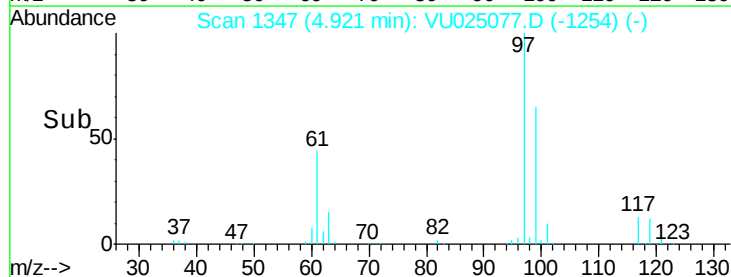
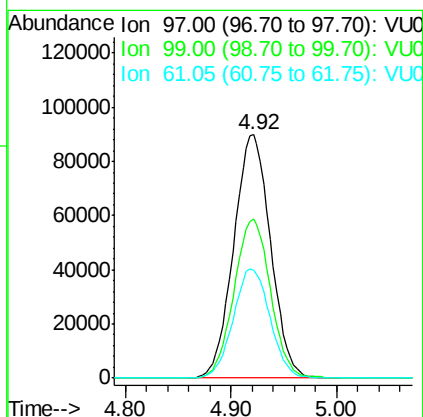
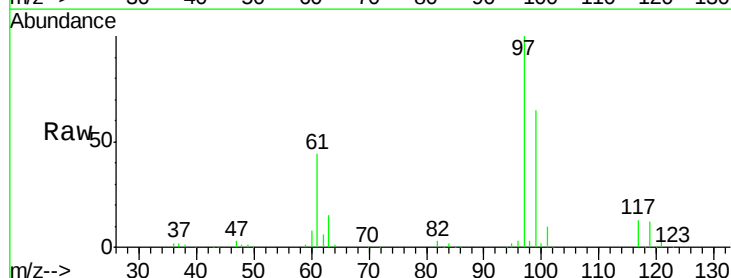
Instrument :
MSVOA_U
ClientSampled :
VSTD05046

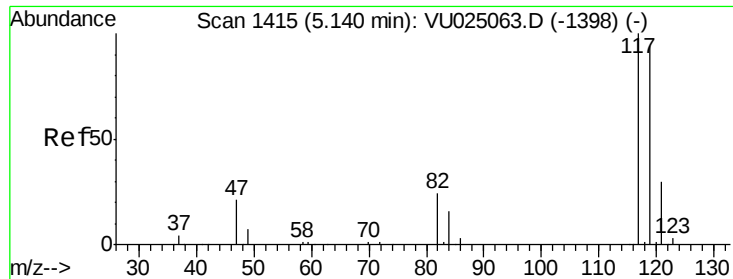
Tgt Ion: 56 Resp: 205112
Ion Ratio Lower Upper
56 100
69 31.9 25.0 37.6
84 88.0 70.0 105.0



#30
1,1,1-Trichloroethane
Concen: 50.583 ug/L
RT: 4.92 min Scan# 1347
Delta R.T. -0.00 min
Lab File: VU025077.D
Acq: 29 Jun 2018 18:15

Tgt Ion: 97 Resp: 217758
Ion Ratio Lower Upper
97 100
99 64.8 51.4 77.2
61 44.7 35.5 53.3





#31

Carbon tetrachloride

Concen: 51.811 ug/L

RT: 5.14 min Scan# 1415

Delta R.T. -0.00 min

Lab File: VU025077.D

Acq: 29 Jun 2018 18:15

Instrument :

MSVOA_U

ClientSampleId :

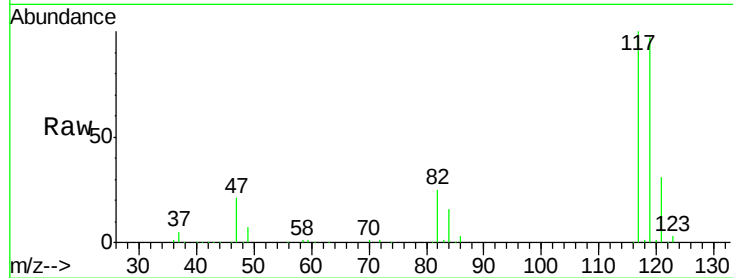
VSTD05046

Tgt Ion:117 Resp: 194940

Ion Ratio Lower Upper

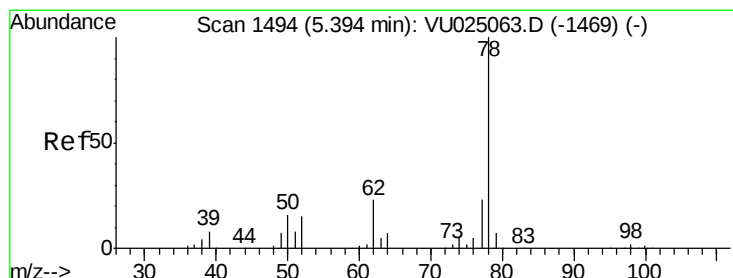
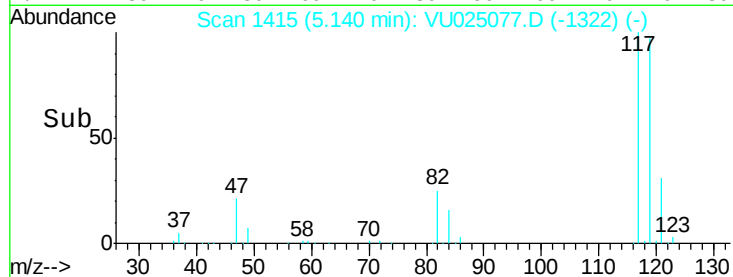
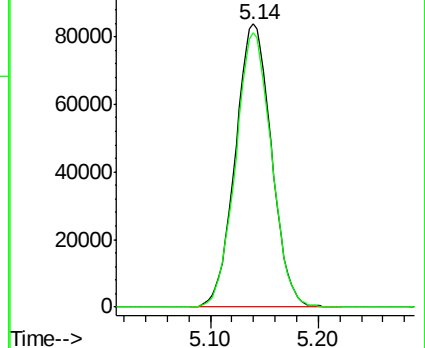
117 100

119 96.2 76.8 115.2



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#33

Benzene

Concen: 50.065 ug/L

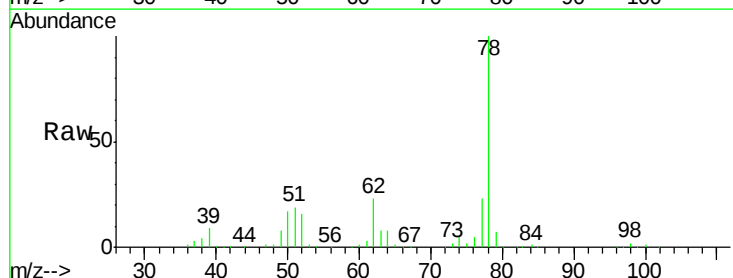
RT: 5.39 min Scan# 1494

Delta R.T. -0.00 min

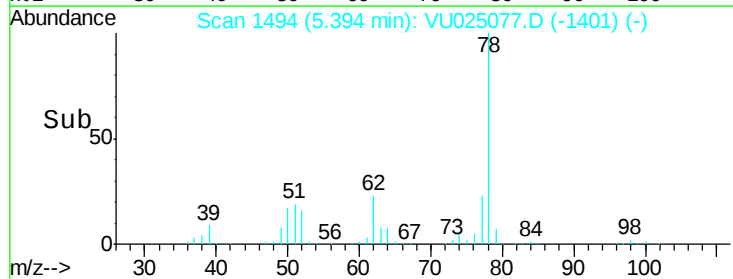
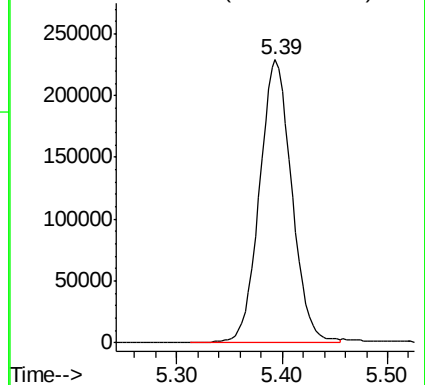
Lab File: VU025077.D

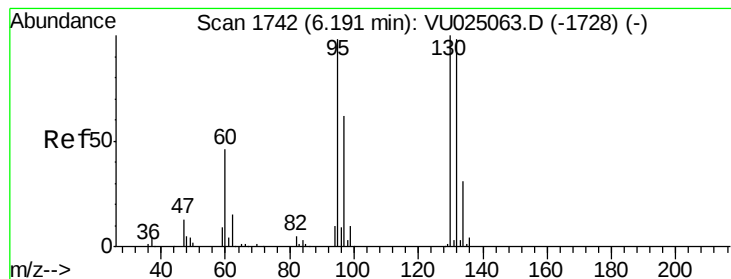
Acq: 29 Jun 2018 18:15

Tgt Ion: 78 Resp: 489390



Abundance Ion 78.00 (77.70 to 78.70): VU0





#34

Trichloroethene

Concen: 49.934 ug/L

RT: 6.19 min Scan# 1742

Delta R.T. -0.00 min

Lab File: VU025077.D

Acq: 29 Jun 2018 18:15

Instrument :

MSVOA_U

ClientSampleId :

VSTD05046

Tgt Ion: 95 Resp: 129842

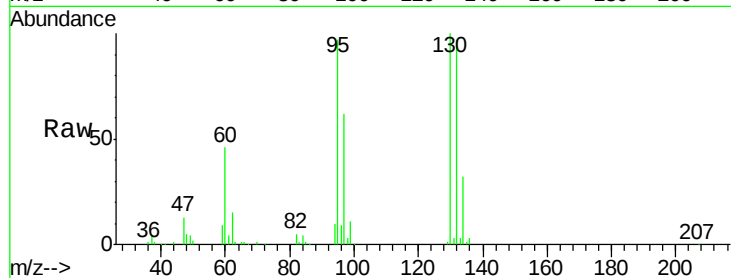
Ion Ratio Lower Upper

95 100

97 63.6 44.1 81.9

132 99.7 70.2 130.4

130 103.0 71.7 133.1

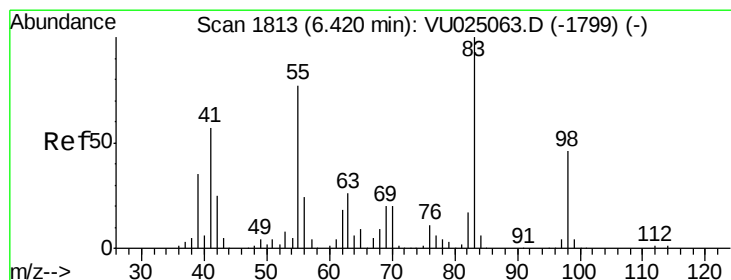
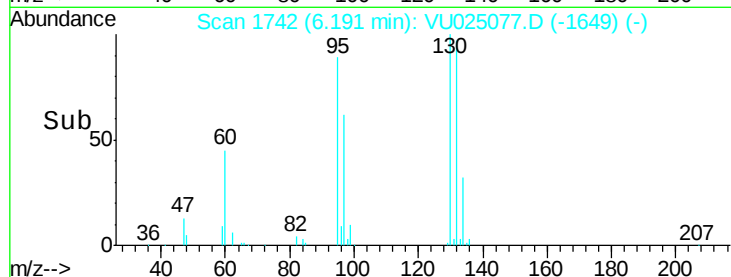
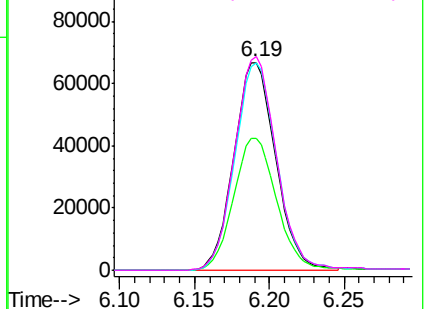


Abundance Ion 95.00 (94.70 to 95.70): VU0

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: 48.941 ug/L

RT: 6.42 min Scan# 1813

Delta R.T. -0.00 min

Lab File: VU025077.D

Acq: 29 Jun 2018 18:15

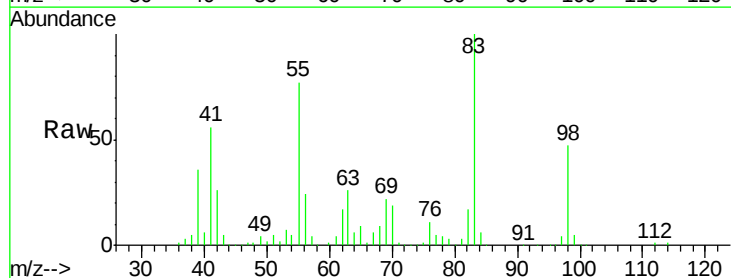
Tgt Ion: 83 Resp: 212365

Ion Ratio Lower Upper

83 100

55 78.4 61.8 92.6

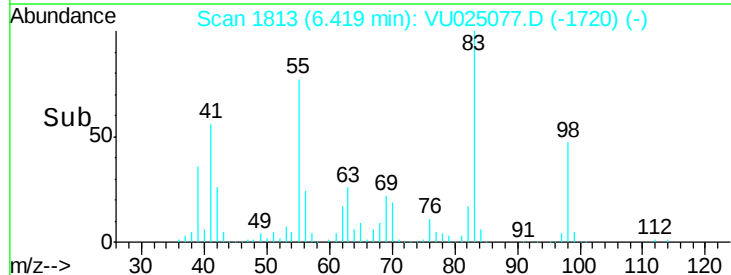
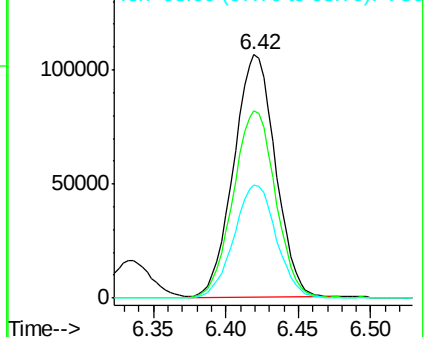
98 47.5 37.4 56.0

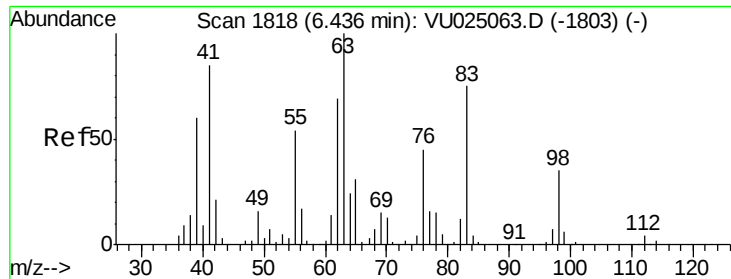


Abundance Ion 83.00 (82.70 to 83.70): VU0

Ion 55.00 (54.70 to 55.70): VU0

Ion 98.00 (97.70 to 98.70): VU0





#37

1,2-Dichloropropane

Concen: 51.139 ug/L

RT: 6.44 min Scan# 1818

Delta R.T. -0.00 min

Lab File: VU025077.D

Acq: 29 Jun 2018 18:15

Instrument :

MSVOA_U

ClientSampleId :

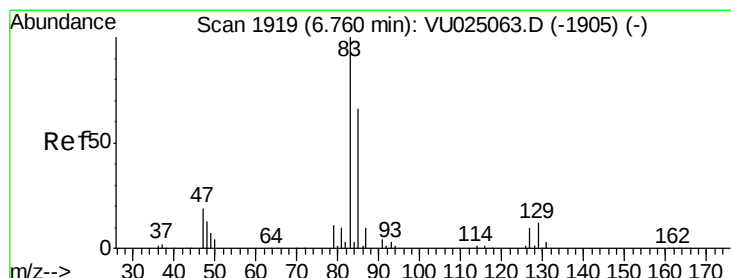
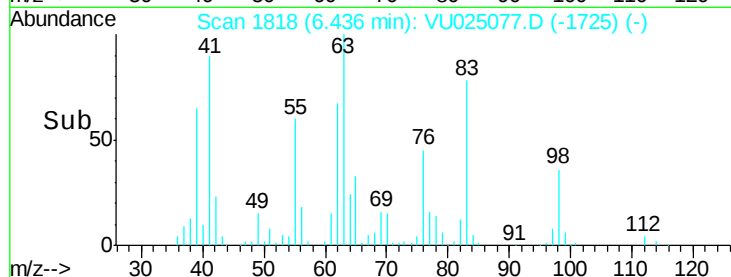
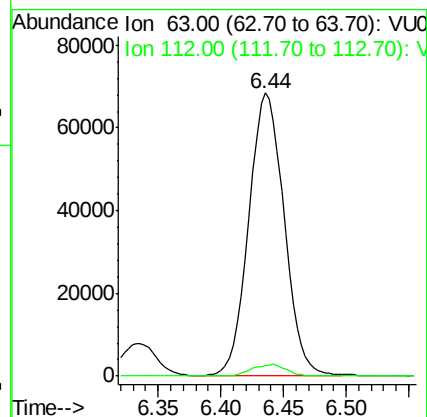
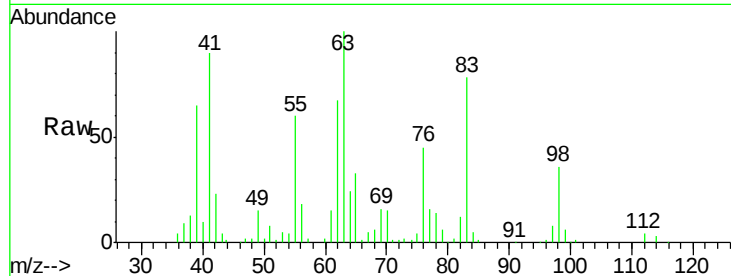
VSTD05046

Tgt Ion: 63 Resp: 133492

Ion Ratio Lower Upper

63 100

112 4.0 3.2 4.8



#38

Bromodichloromethane

Concen: 51.376 ug/L

RT: 6.76 min Scan# 1919

Delta R.T. -0.00 min

Lab File: VU025077.D

Acq: 29 Jun 2018 18:15

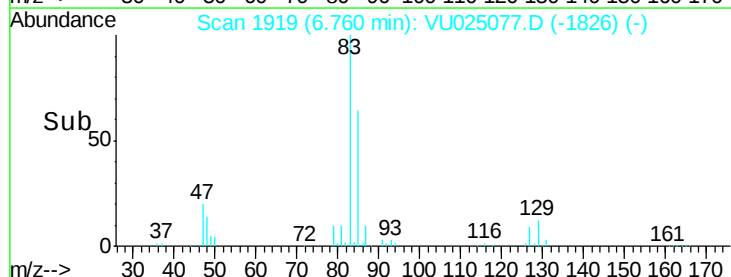
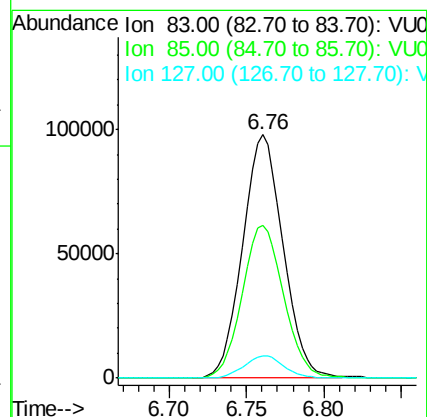
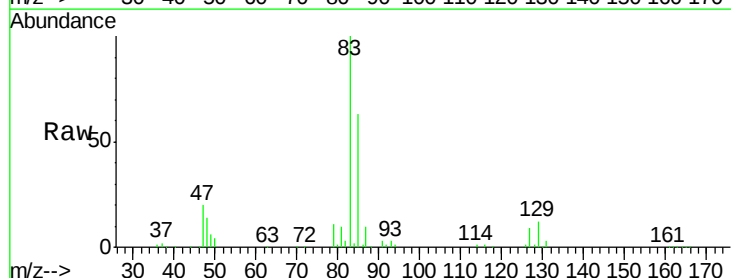
Tgt Ion: 83 Resp: 178255

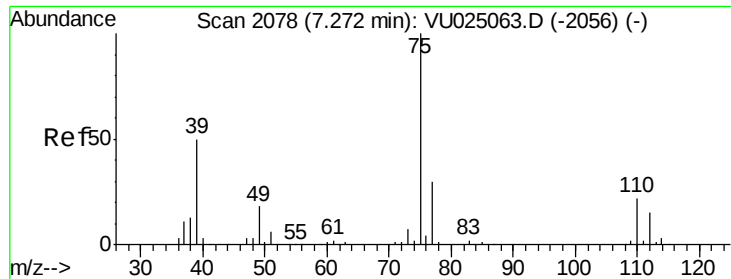
Ion Ratio Lower Upper

83 100

85 62.7 45.9 85.3

127 9.2 7.7 11.5

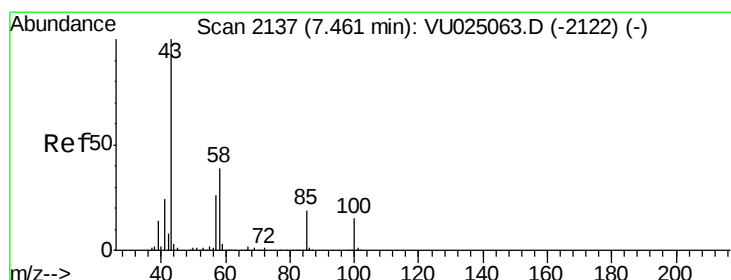
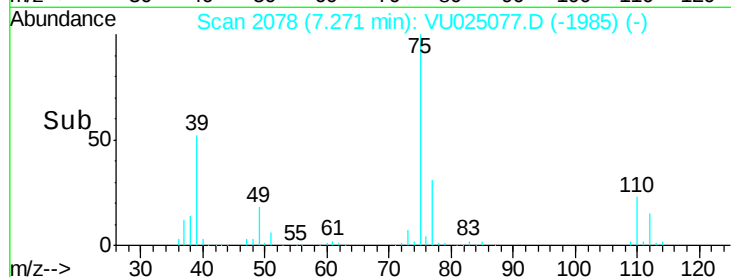
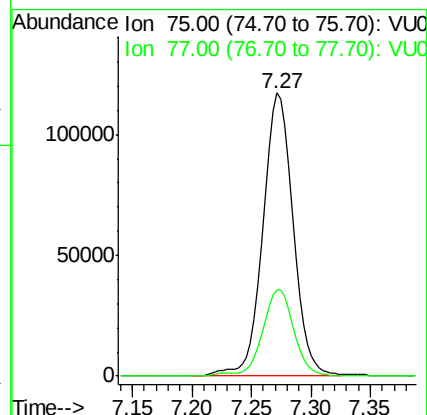
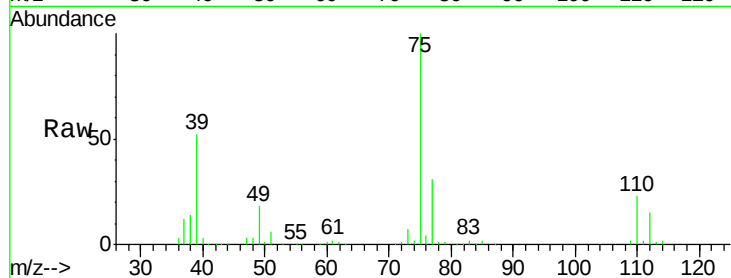




#39
 cis-1,3-Dichloropropene
 Concen: 50.126 ug/L
 RT: 7.27 min Scan# 2078
 Delta R.T. -0.00 min
 Lab File: VU025077.D
 Acq: 29 Jun 2018 18:15

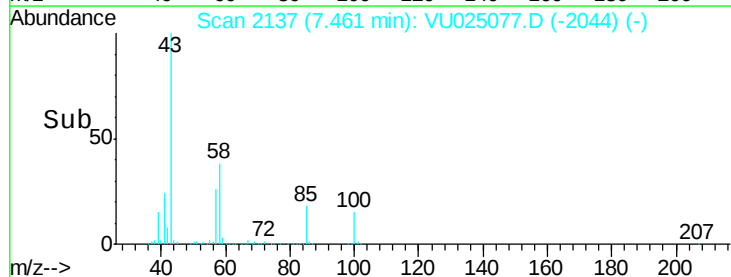
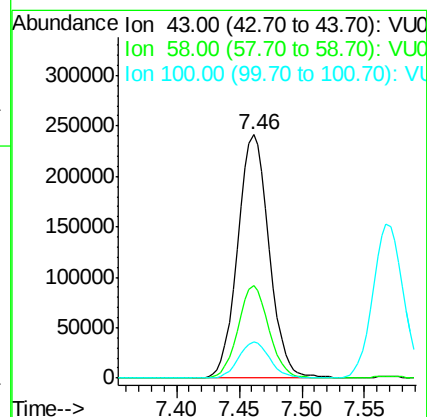
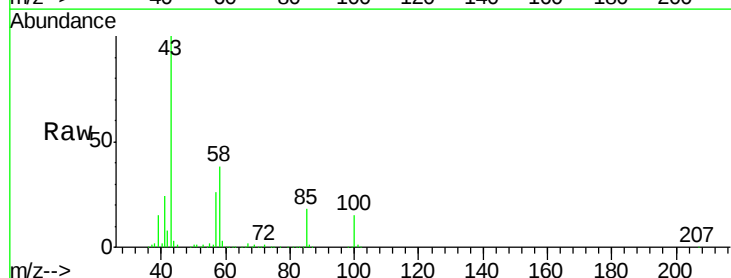
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05046

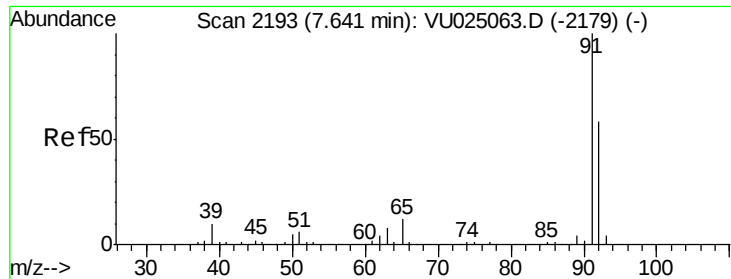
Tgt Ion: 75 Resp: 207229
 Ion Ratio Lower Upper
 75 100
 77 30.7 21.3 39.5



#40
 4-Methyl-2-pentanone
 Concen: 111.802 ug/L
 RT: 7.46 min Scan# 2137
 Delta R.T. -0.00 min
 Lab File: VU025077.D
 Acq: 29 Jun 2018 18:15

Tgt Ion: 43 Resp: 420461
 Ion Ratio Lower Upper
 43 100
 58 37.4 31.0 46.6
 100 14.7 12.3 18.5





#42

Toluene

Concen: 51.438 ug/L

RT: 7.64 min Scan# 2193

Delta R.T. -0.00 min

Lab File: VU025077.D

Acq: 29 Jun 2018 18:15

Instrument :

MSVOA_U

ClientSampleId :

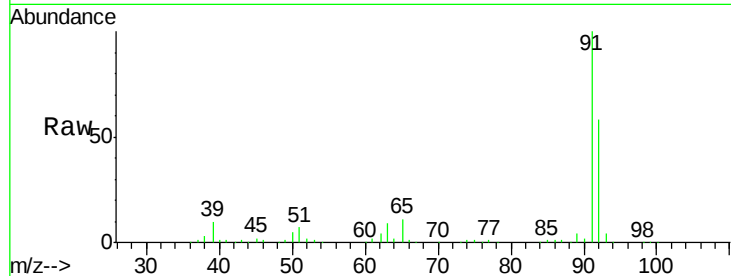
VSTD05046

Tgt Ion: 91 Resp: 546447

Ion Ratio Lower Upper

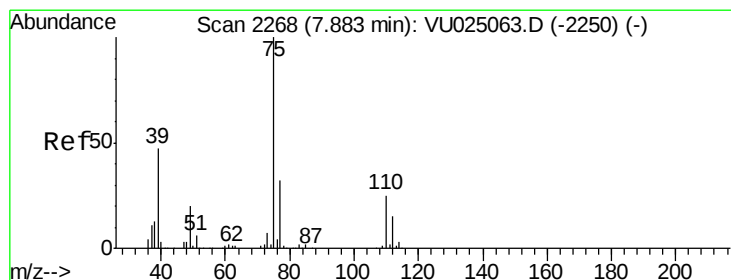
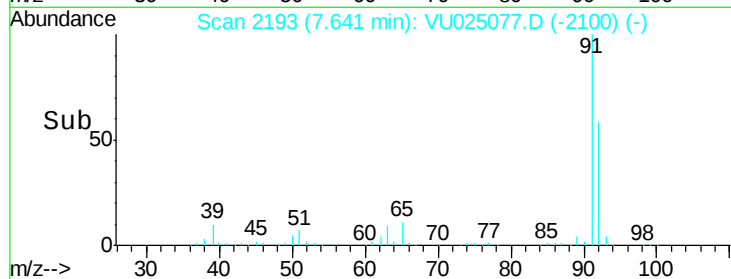
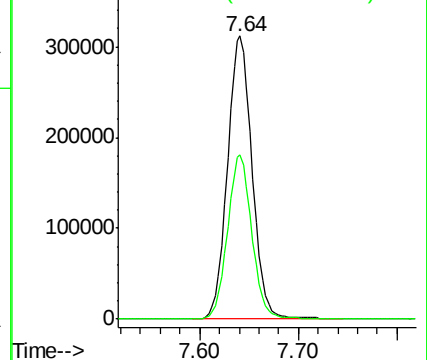
91 100

92 58.1 40.7 75.5



Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 92.00 (91.70 to 92.70): VU0



#44

trans-1,3-Dichloropropene

Concen: 51.523 ug/L

RT: 7.88 min Scan# 2268

Delta R.T. -0.00 min

Lab File: VU025077.D

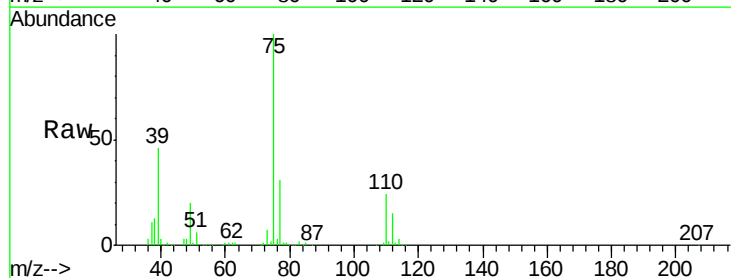
Acq: 29 Jun 2018 18:15

Tgt Ion: 75 Resp: 198152

Ion Ratio Lower Upper

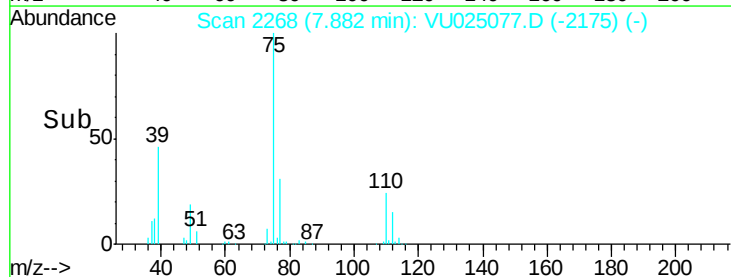
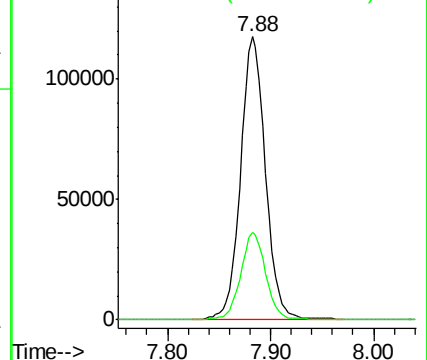
75 100

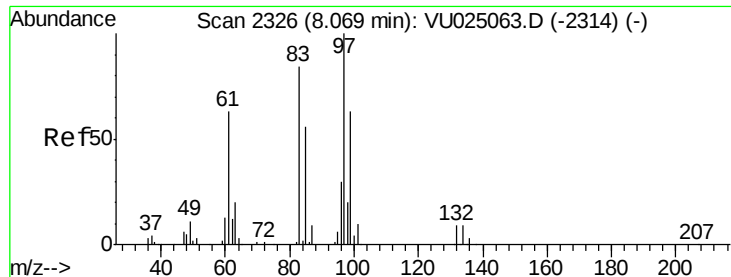
77 30.9 22.1 41.1



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0

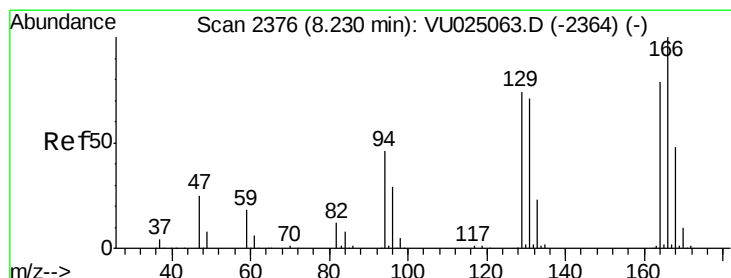
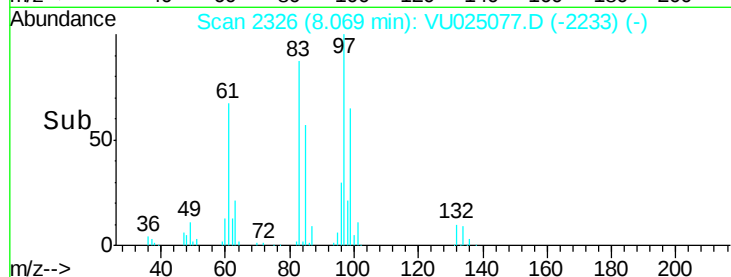
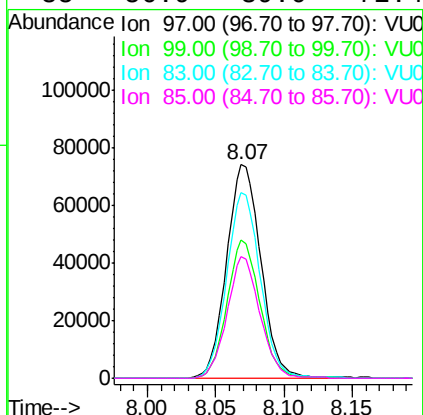
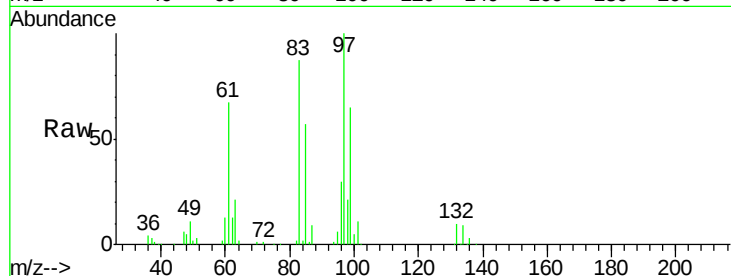




#45
 1,1,2-Trichloroethane
 Concen: 52.174 ug/L
 RT: 8.07 min Scan# 2326
 Delta R.T. -0.00 min
 Lab File: VU025077.D
 Acq: 29 Jun 2018 18:15

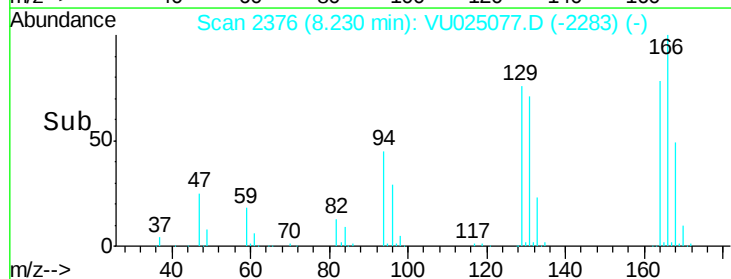
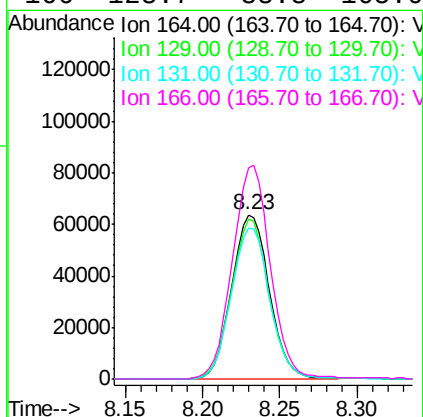
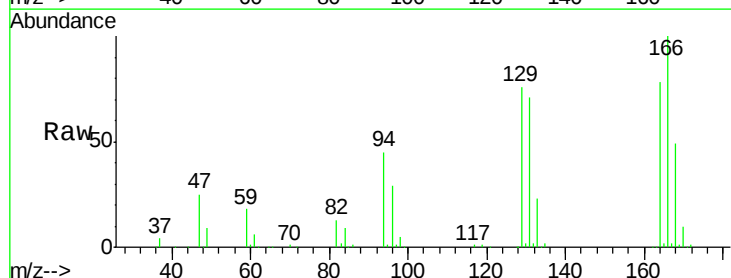
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05046

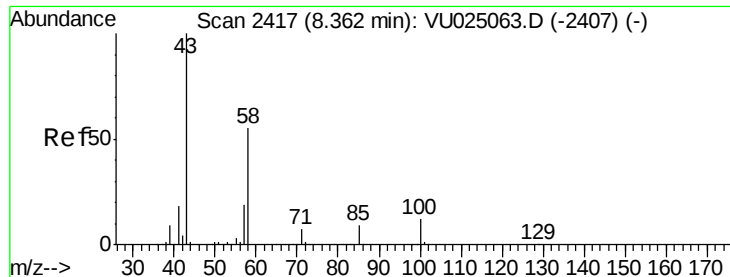
Tgt Ion:	97	Resp:	129963
Ion	Ratio	Lower	Upper
97	100		
99	64.7	44.1	81.9
83	87.1	58.7	108.9
85	56.9	39.0	72.4



#46
 Tetrachloroethene
 Concen: 49.171 ug/L
 RT: 8.23 min Scan# 2376
 Delta R.T. -0.00 min
 Lab File: VU025077.D
 Acq: 29 Jun 2018 18:15

Tgt Ion:	164	Resp:	108230
Ion	Ratio	Lower	Upper
164	100		
129	97.3	66.1	122.8
131	92.0	62.7	116.5
166	128.7	88.8	165.0

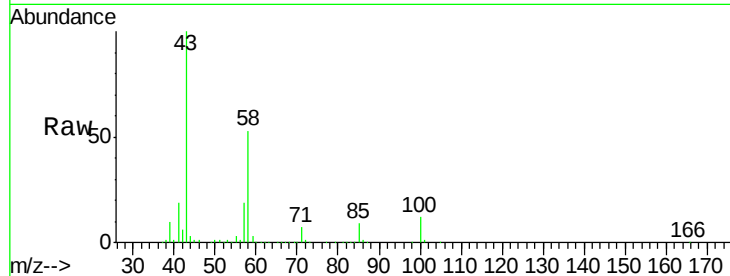




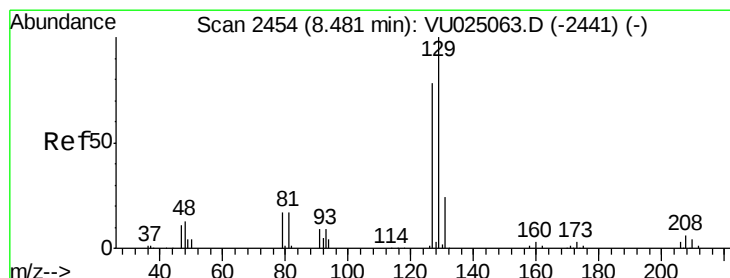
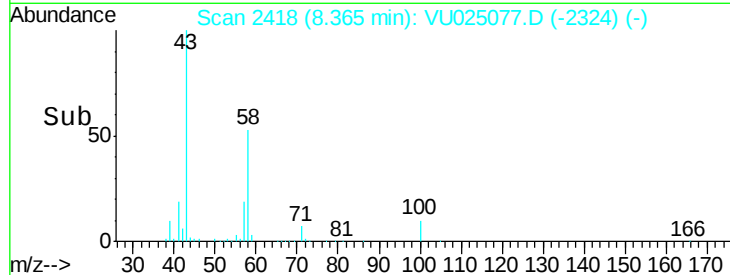
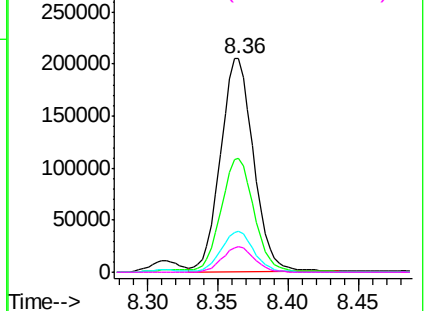
#48
2-Hexanone
Concen: 111.501 ug/L
RT: 8.36 min Scan# 2418
Delta R.T. 0.00 min
Lab File: VU025077.D
Acq: 29 Jun 2018 18:15

Instrument :
MSVOA_U
ClientSampleId :
VSTD05046

Tgt Ion: 43 Resp: 333596
Ion Ratio Lower Upper
43 100
58 52.6 43.2 64.8
57 19.1 15.8 23.8
100 11.7 9.4 14.0

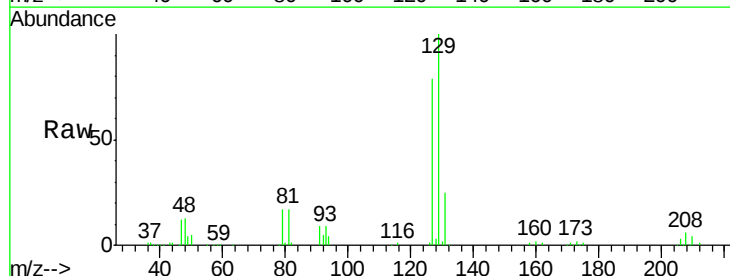


Abundance Ion 43.00 (42.70 to 43.70): VU025063.D (-2407) (-)
Ion 58.00 (57.70 to 58.70): VU025063.D (-2407) (-)
Ion 57.00 (56.70 to 57.70): VU025063.D (-2407) (-)
Ion 100.00 (99.70 to 100.70): VU025063.D (-2407) (-)

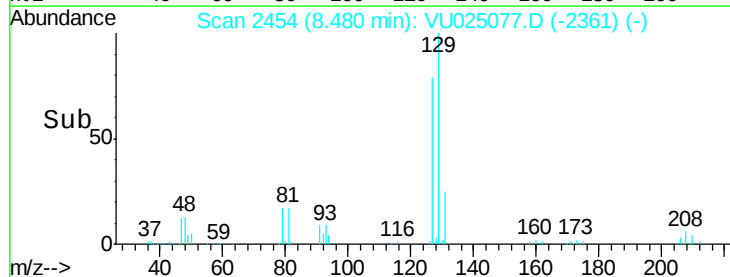
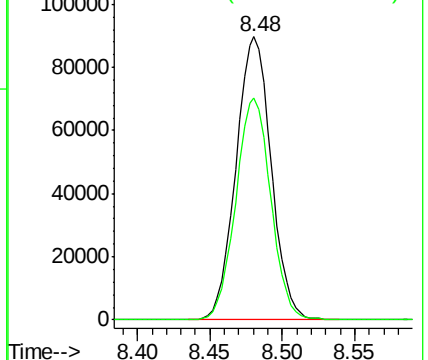


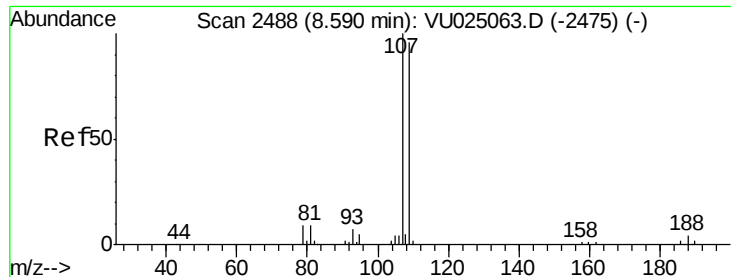
#49
Dibromochloromethane
Concen: 51.811 ug/L
RT: 8.48 min Scan# 2454
Delta R.T. -0.00 min
Lab File: VU025077.D
Acq: 29 Jun 2018 18:15

Tgt Ion: 129 Resp: 151448
Ion Ratio Lower Upper
129 100
127 78.6 54.6 101.4



Abundance Ion 129.00 (128.70 to 129.70): VU025063.D (-2441) (-)
Ion 127.00 (126.70 to 127.70): VU025063.D (-2441) (-)

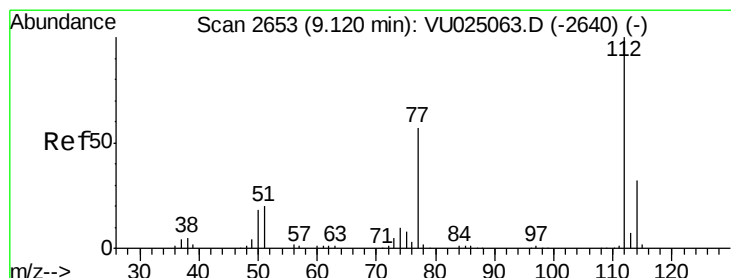
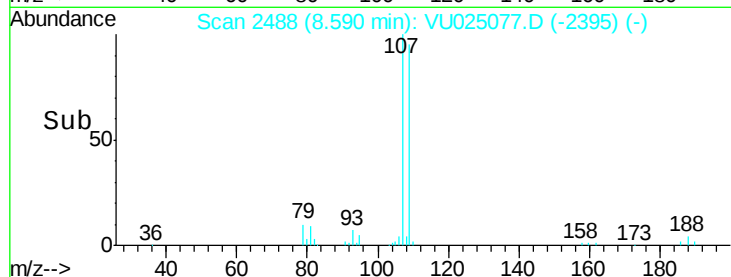
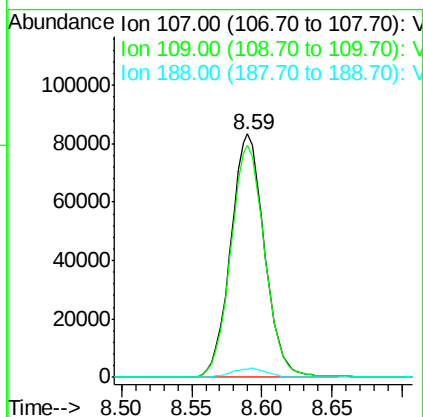
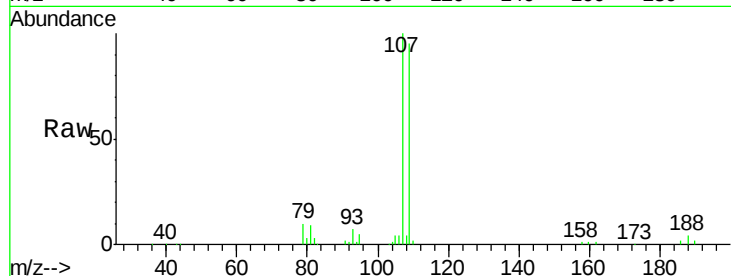




#50
 1,2-Dibromoethane
 Concen: 50.732 ug/L
 RT: 8.59 min Scan# 2488
 Delta R.T. -0.00 min
 Lab File: VU025077.D
 Acq: 29 Jun 2018 18:15

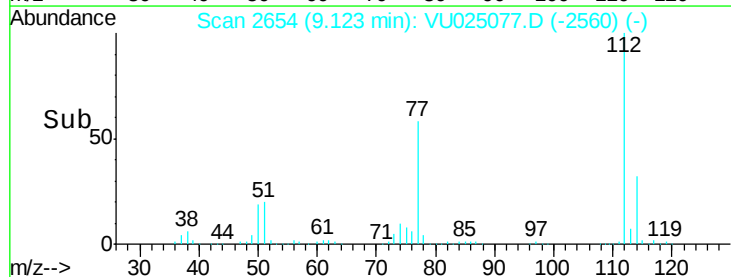
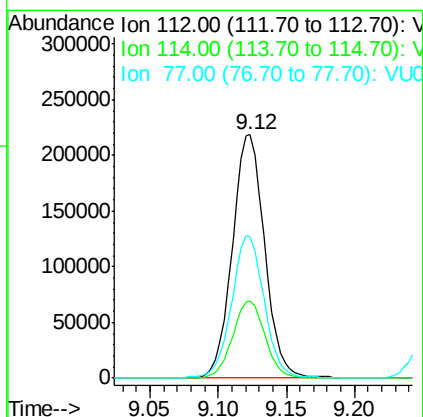
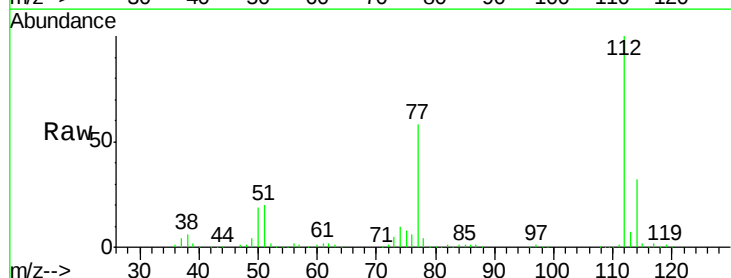
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05046

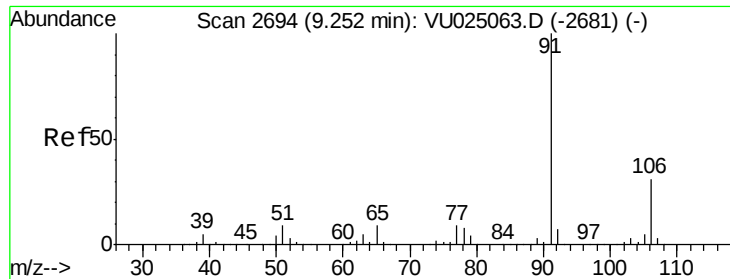
Tgt Ion:107 Resp: 139778
 Ion Ratio Lower Upper
 107 100
 109 95.5 67.1 124.5
 188 3.5 3.4 5.0



#51
 Chlorobenzene
 Concen: 50.790 ug/L
 RT: 9.12 min Scan# 2654
 Delta R.T. 0.00 min
 Lab File: VU025077.D
 Acq: 29 Jun 2018 18:15

Tgt Ion:112 Resp: 359609
 Ion Ratio Lower Upper
 112 100
 114 31.8 22.7 42.1
 77 57.8 46.2 69.4





#52

Ethylbenzene

Concen: 51.718 ug/L

RT: 9.25 min Scan# 2694

Delta R.T. -0.00 min

Lab File: VU025077.D

Acq: 29 Jun 2018 18:15

Instrument :

MSVOA_U

ClientSampleId :

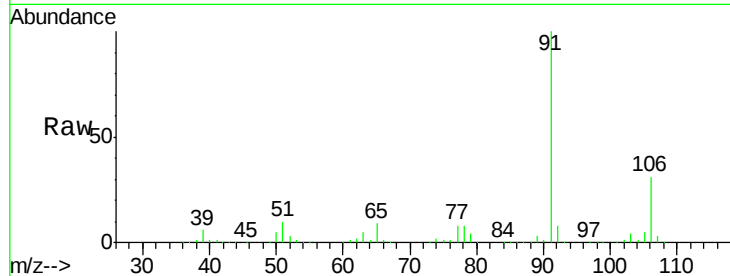
VSTD05046

Tgt Ion: 91 Resp: 617954

Ion Ratio Lower Upper

91 100

106 31.3 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

400000

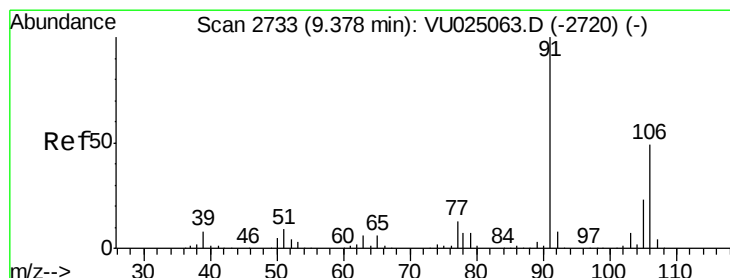
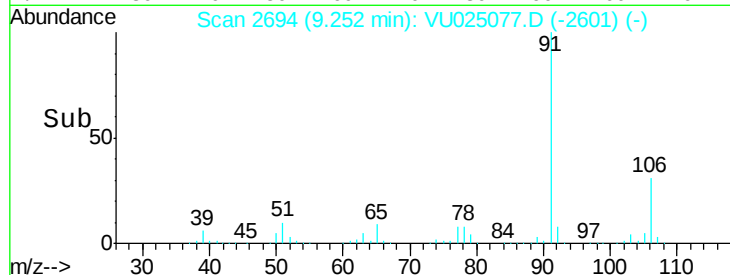
300000

200000

100000

0

Time-->



#53

m,p-Xylene

Concen: 51.140 ug/L

RT: 9.38 min Scan# 2733

Delta R.T. -0.00 min

Lab File: VU025077.D

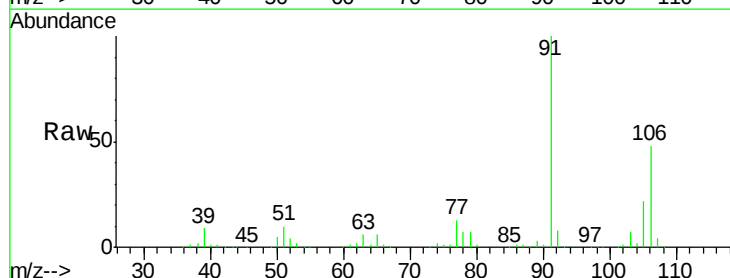
Acq: 29 Jun 2018 18:15

Tgt Ion: 106 Resp: 236463

Ion Ratio Lower Upper

106 100

91 206.6 142.0 263.8



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

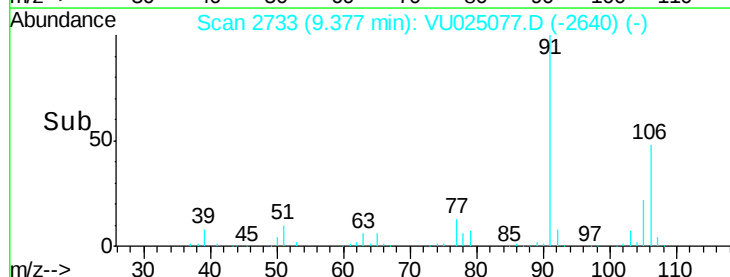
300000

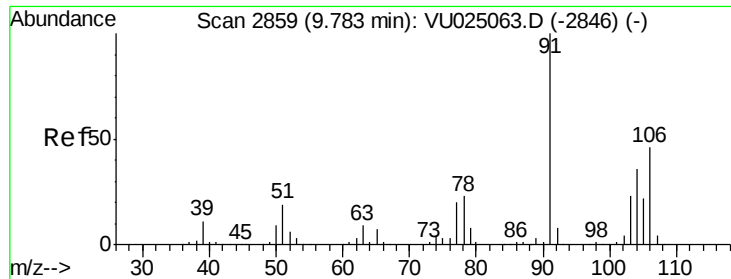
200000

100000

0

Time-->

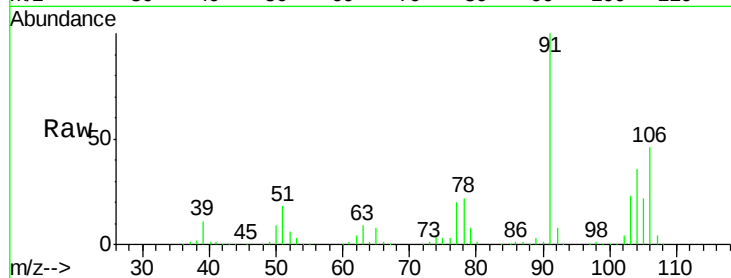




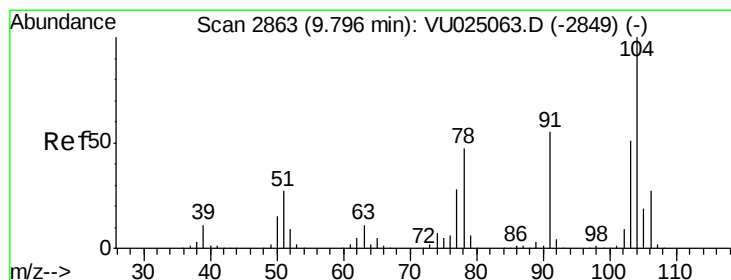
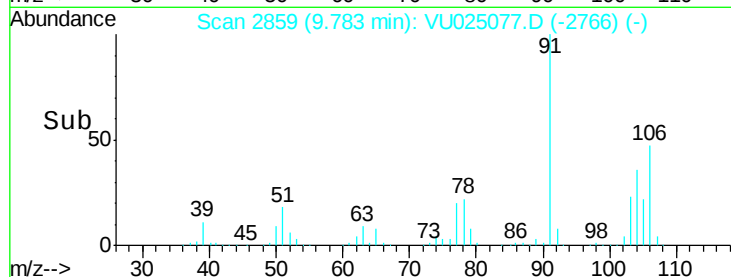
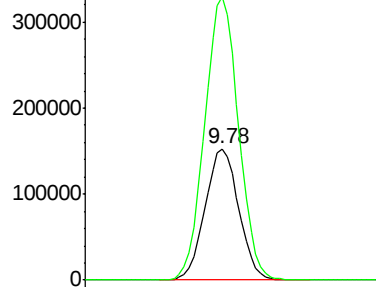
#54
o-xylene
Concen: 51.542 ug/L
RT: 9.78 min Scan# 2859
Delta R.T. -0.00 min
Lab File: VU025077.D
Acq: 29 Jun 2018 18:15

Instrument :
MSVOA_U
ClientSampleId :
VSTD05046

Tgt Ion:106 Resp: 239040
Ion Ratio Lower Upper
106 100
91 215.3 152.0 282.4

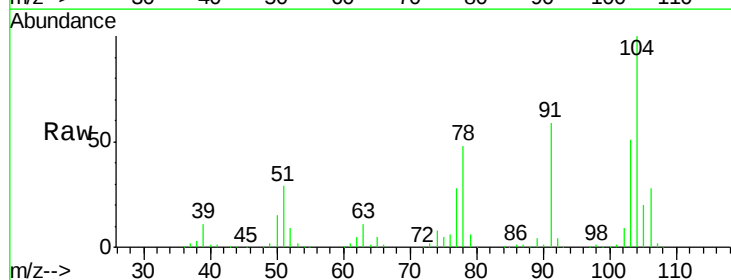


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VU0

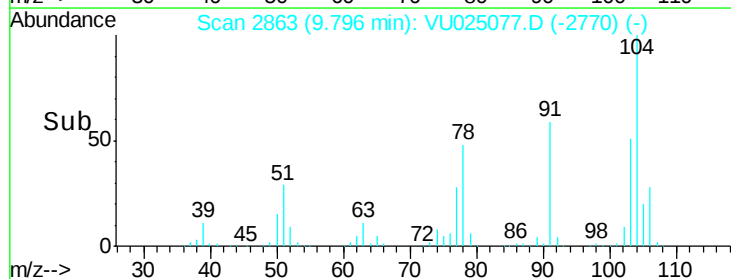
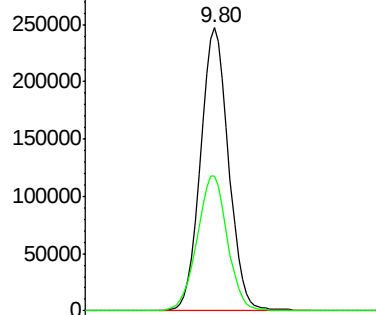


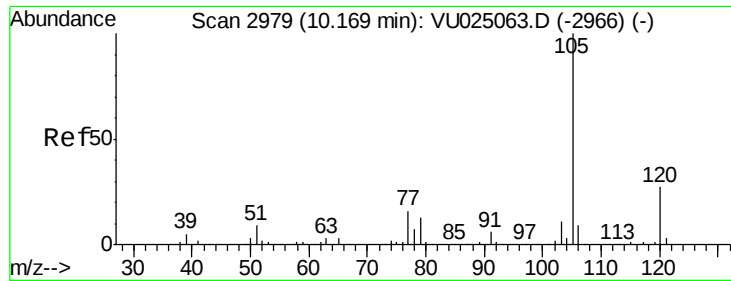
#55
Styrene
Concen: 52.197 ug/L
RT: 9.80 min Scan# 2863
Delta R.T. -0.00 min
Lab File: VU025077.D
Acq: 29 Jun 2018 18:15

Tgt Ion:104 Resp: 396784
Ion Ratio Lower Upper
104 100
78 47.8 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: 52.170 ug/L

RT: 10.17 min Scan# 2979

Delta R.T. -0.00 min

Lab File: VU025077.D

Acq: 29 Jun 2018 18:15

Instrument :

MSVOA_U

ClientSampleId :

VSTD05046

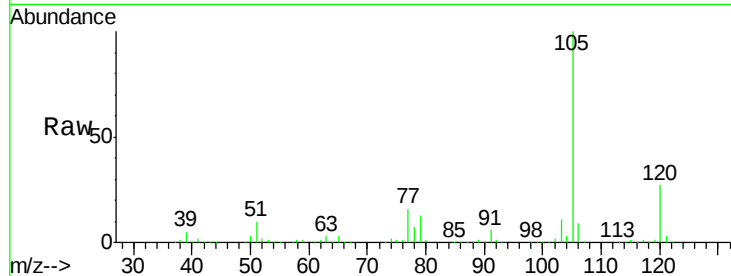
Tgt Ion: 105 Resp: 635525

Ion Ratio Lower Upper

105 100

120 26.6 21.4 32.0

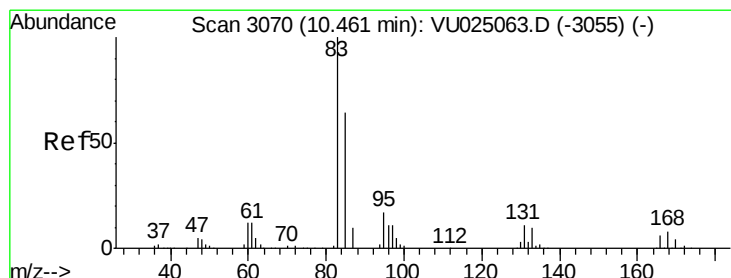
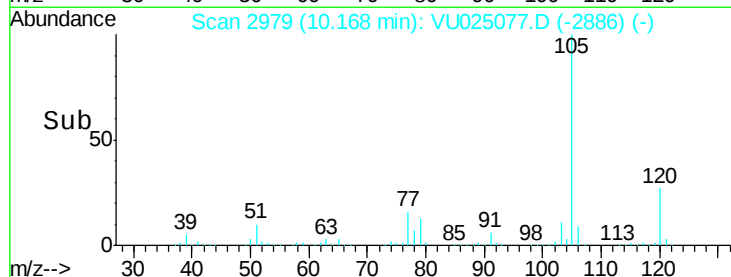
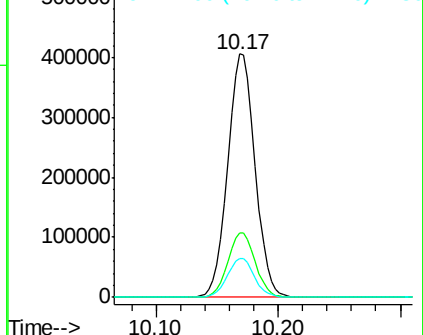
77 15.9 12.5 18.7



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: 53.244 ug/L

RT: 10.46 min Scan# 3070

Delta R.T. -0.00 min

Lab File: VU025077.D

Acq: 29 Jun 2018 18:15

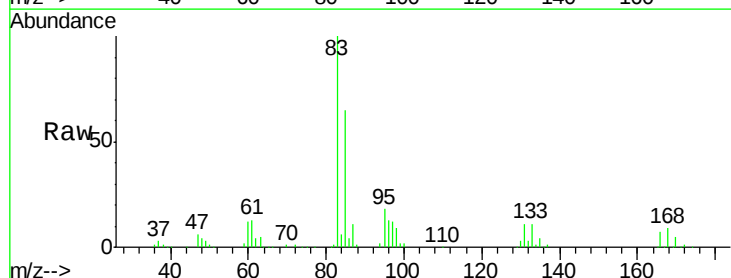
Tgt Ion: 83 Resp: 221320

Ion Ratio Lower Upper

83 100

85 64.8 45.1 83.7

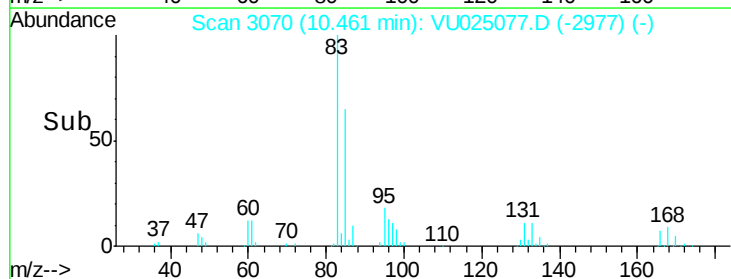
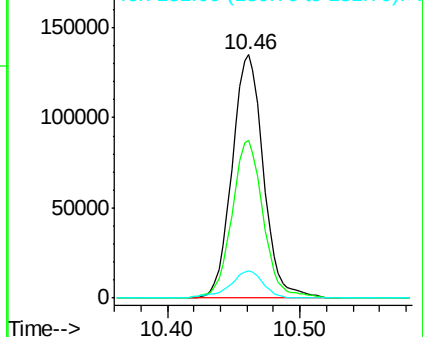
131 11.3 8.7 13.1

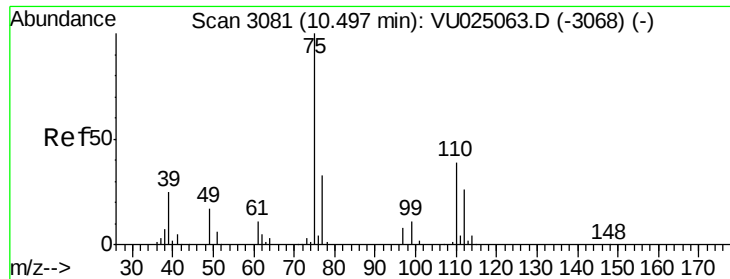


Abundance Ion 83.00 (82.70 to 83.70): V

Ion 85.00 (84.70 to 85.70): V

Ion 131.00 (130.70 to 131.70): V

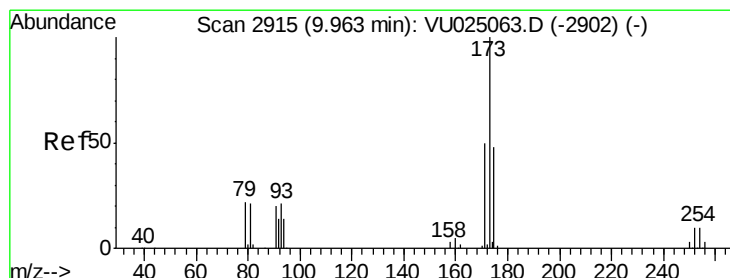
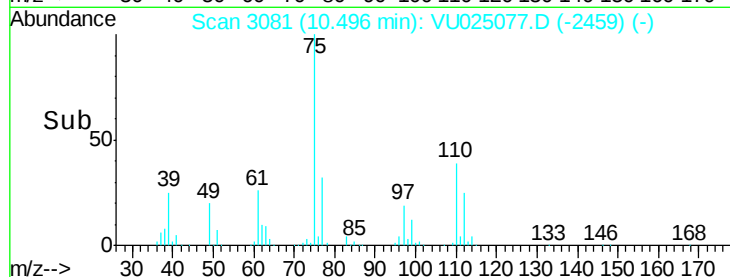
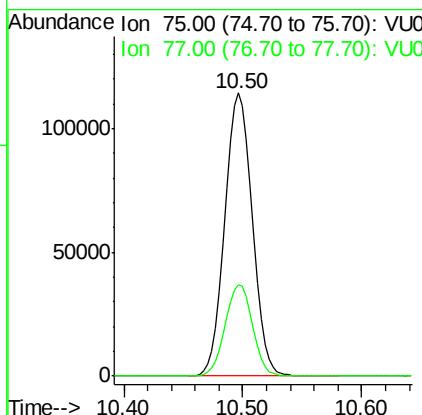
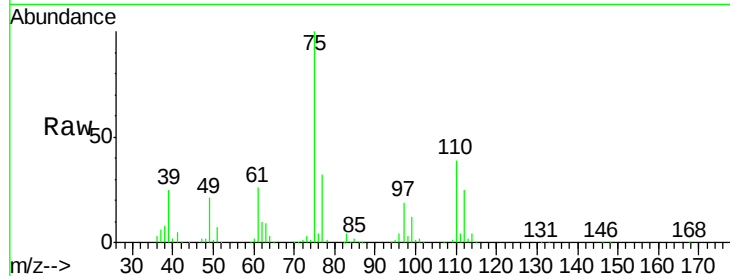




#59
 1,2,3-Trichloropropane
 Concen: 54.262 ug/L
 RT: 10.50 min Scan# 3081
 Delta R.T. -0.00 min
 Lab File: VU025077.D
 Acq: 29 Jun 2018 18:15

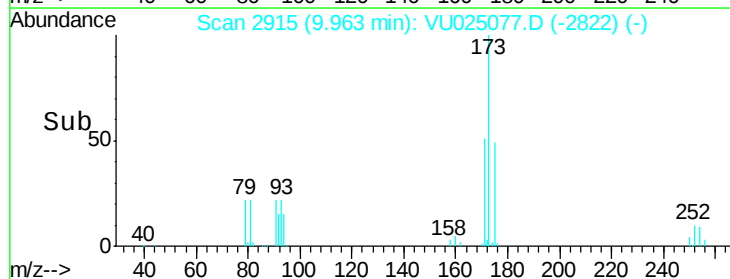
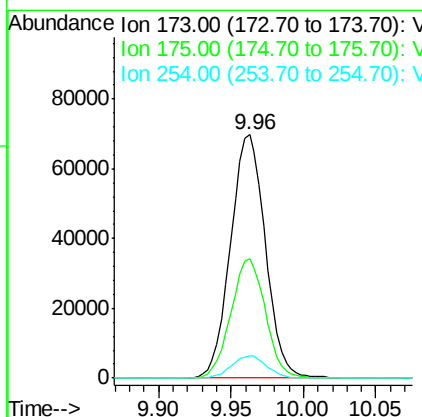
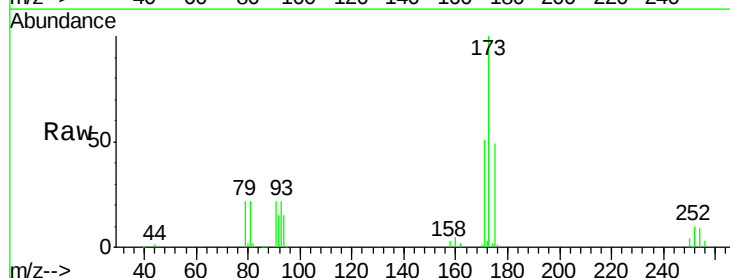
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05046

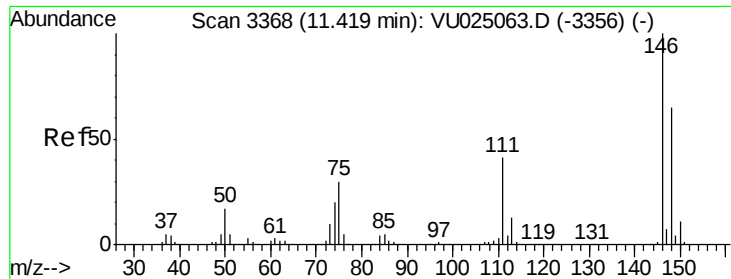
Tgt Ion: 75 Resp: 183640
 Ion Ratio Lower Upper
 75 100
 77 32.0 26.2 39.4



#61
 Bromoform
 Concen: 53.288 ug/L
 RT: 9.96 min Scan# 2915
 Delta R.T. -0.00 min
 Lab File: VU025077.D
 Acq: 29 Jun 2018 18:15

Tgt Ion: 173 Resp: 116384
 Ion Ratio Lower Upper
 173 100
 175 48.2 39.1 58.7
 254 9.2 7.7 11.5

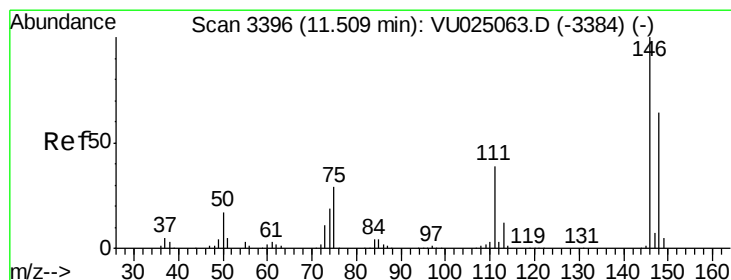
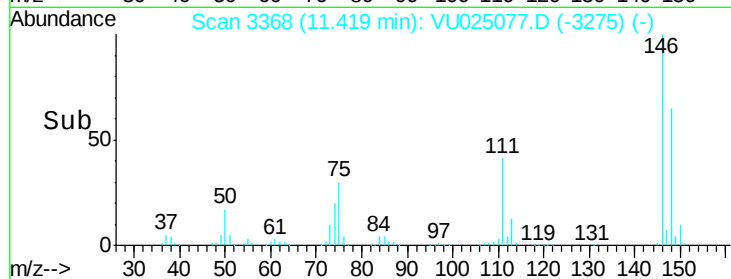
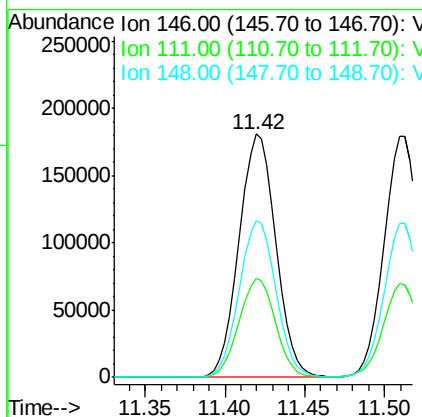
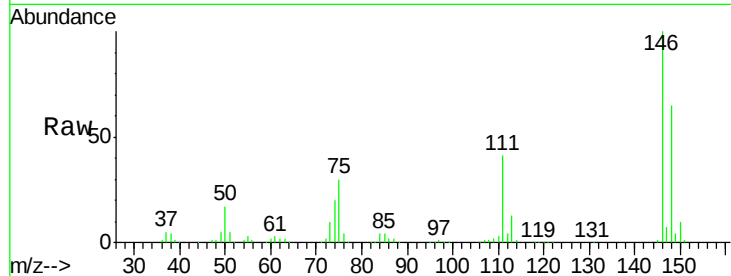




#62
 1,3-Dichlorobenzene
 Concen: 51.001 ug/L
 RT: 11.42 min Scan# 3368
 Delta R.T. -0.00 min
 Lab File: VU025077.D
 Acq: 29 Jun 2018 18:15

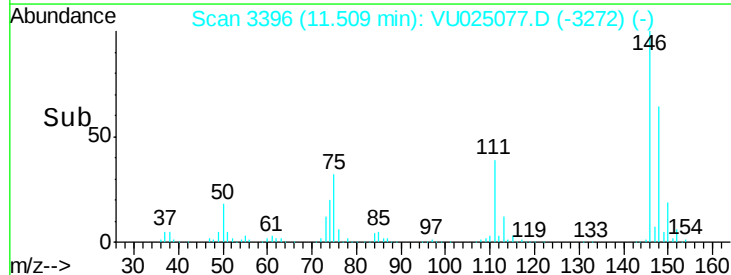
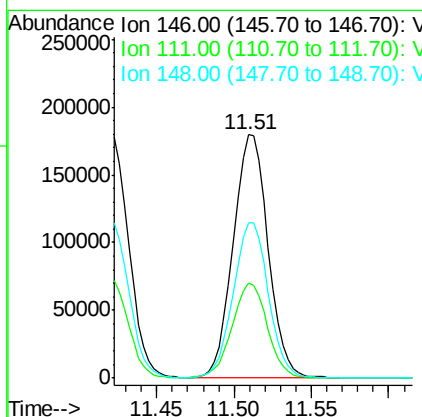
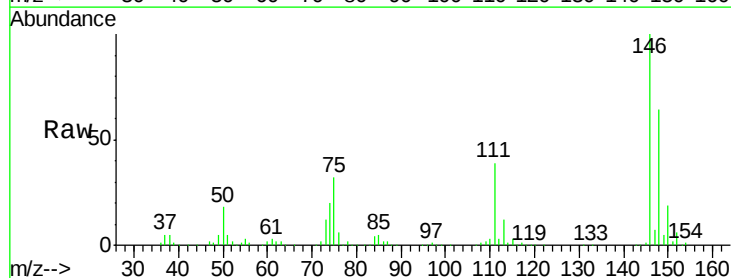
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05046

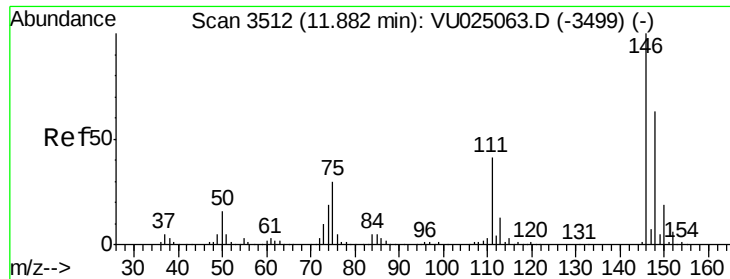
Tgt Ion:146 Resp: 284254
 Ion Ratio Lower Upper
 146 100
 111 40.8 28.7 53.3
 148 64.5 45.3 84.1



#63
 1,4-Dichlorobenzene
 Concen: 50.103 ug/L
 RT: 11.51 min Scan# 3396
 Delta R.T. -0.00 min
 Lab File: VU025077.D
 Acq: 29 Jun 2018 18:15

Tgt Ion:146 Resp: 280901
 Ion Ratio Lower Upper
 146 100
 111 38.9 27.7 51.5
 148 63.9 44.7 83.1





#65

1,2-Dichlorobenzene

Concen: 51.449 ug/L

RT: 11.88 min Scan# 3512

Delta R.T. -0.00 min

Lab File: VU025077.D

Acq: 29 Jun 2018 18:15

Instrument :

MSVOA_U

ClientSampleId :

VSTD05046

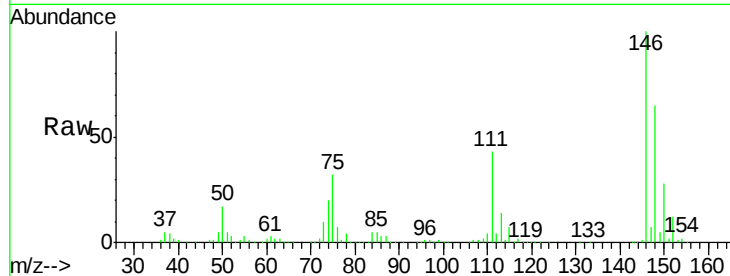
Tgt Ion:146 Resp: 302680

Ion Ratio Lower Upper

146 100

111 42.7 33.0 49.4

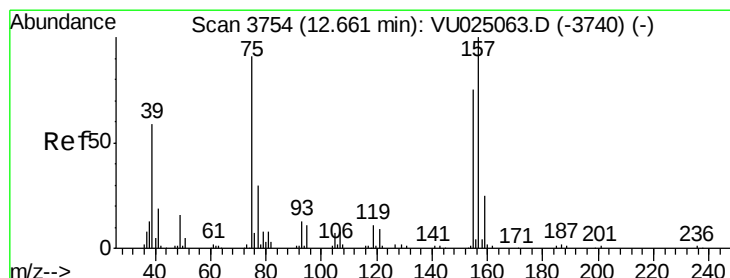
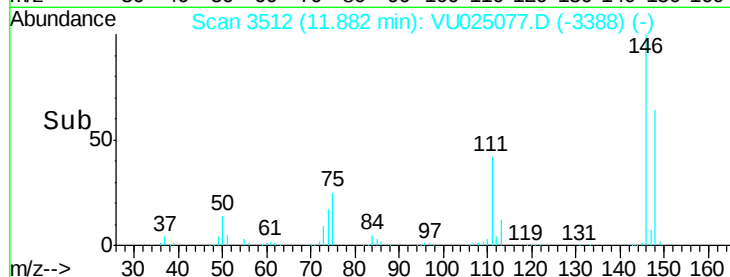
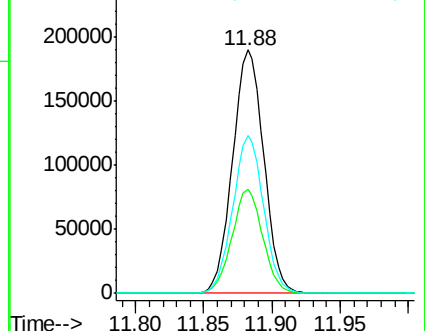
148 64.7 50.1 75.1



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#66

1,2-Dibromo-3-chloropropane

Concen: 56.599 ug/L

RT: 12.66 min Scan# 3754

Delta R.T. -0.00 min

Lab File: VU025077.D

Acq: 29 Jun 2018 18:15

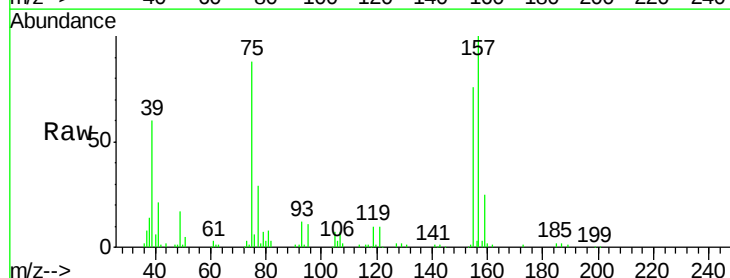
Tgt Ion: 75 Resp: 55099

Ion Ratio Lower Upper

75 100

155 86.2 66.3 99.5

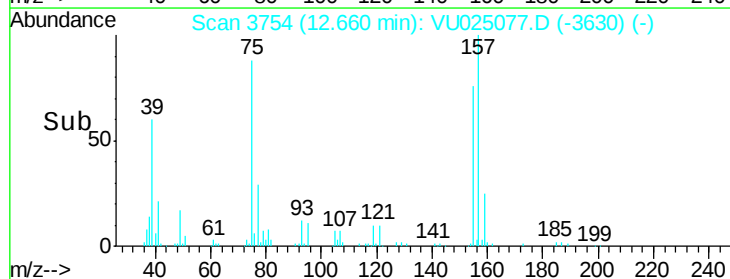
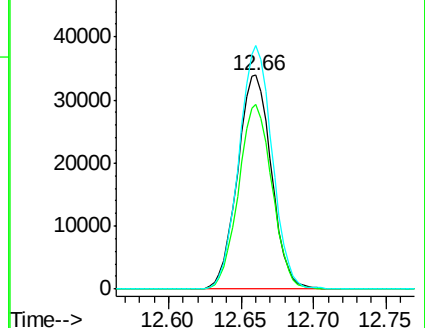
157 114.0 87.9 131.9

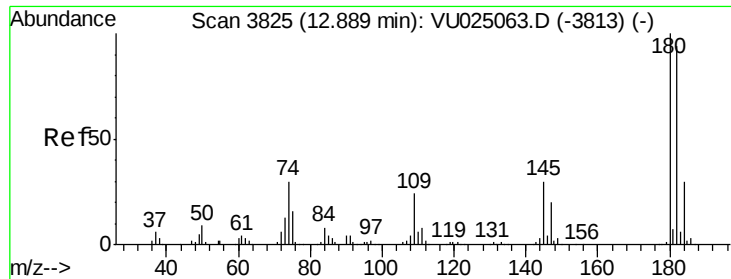


Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

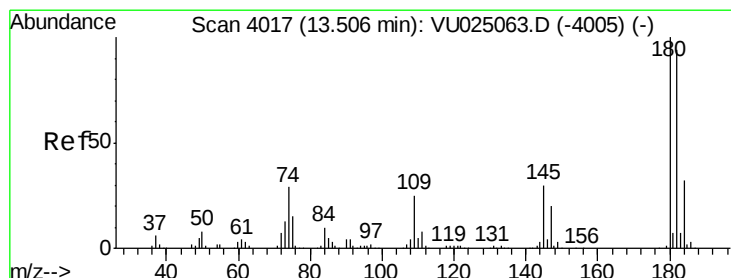
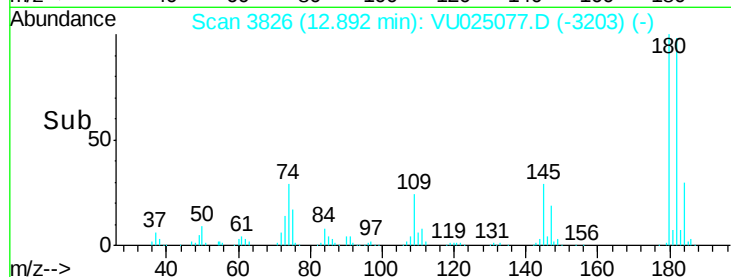
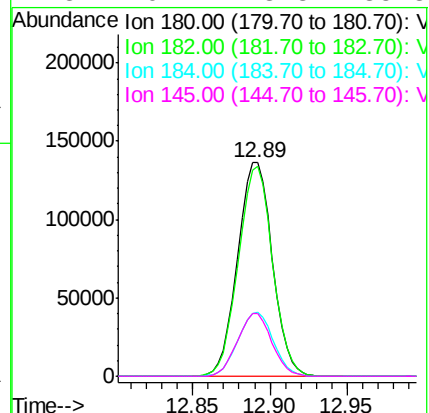
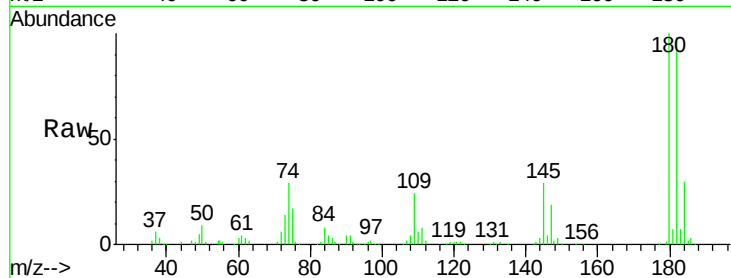




#67
 1,3,5-Trichlorobenzene
 Concen: 51.466 ug/L
 RT: 12.89 min Scan# 3826
 Delta R.T. 0.00 min
 Lab File: VU025077.D
 Acq: 29 Jun 2018 18:15

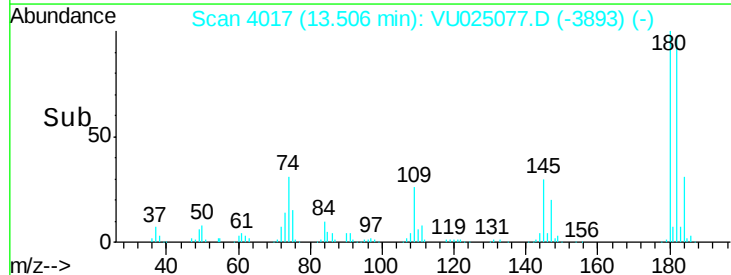
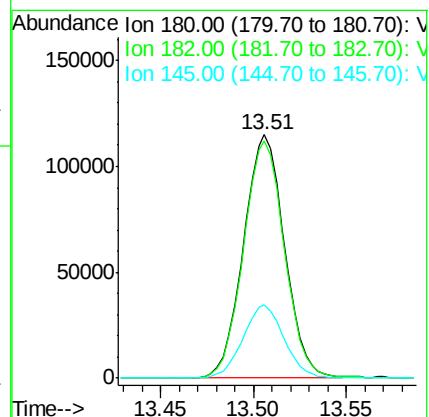
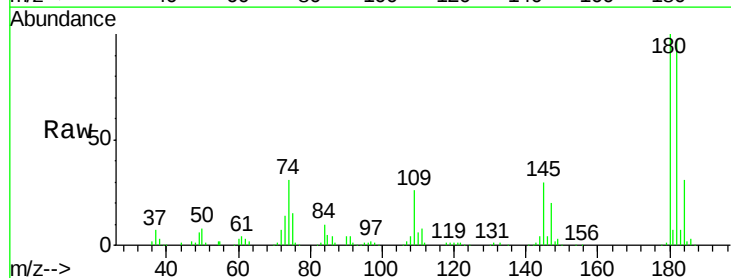
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05046

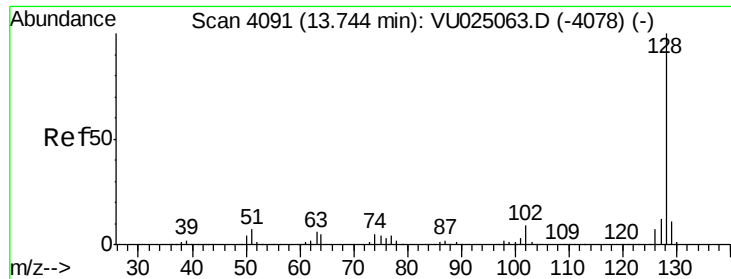
Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.6	76.8	115.2
184	30.4	24.3	36.5
145	29.1	23.8	35.8



#68
 1,2,4-trichlorobenzene
 Concen: 50.919 ug/L
 RT: 13.51 min Scan# 4017
 Delta R.T. -0.00 min
 Lab File: VU025077.D
 Acq: 29 Jun 2018 18:15

Tgt Ion	Ratio	Lower	Upper
180	100		
182	97.6	75.9	113.9
145	30.2	23.8	35.8





#69

Naphthalene

Concen: 52.971 ug/L

RT: 13.74 min Scan# 4091

Delta R.T. -0.00 min

Lab File: VU025077.D

Acq: 29 Jun 2018 18:15

Instrument :

MSVOA_U

ClientSampleId :

VSTD05046

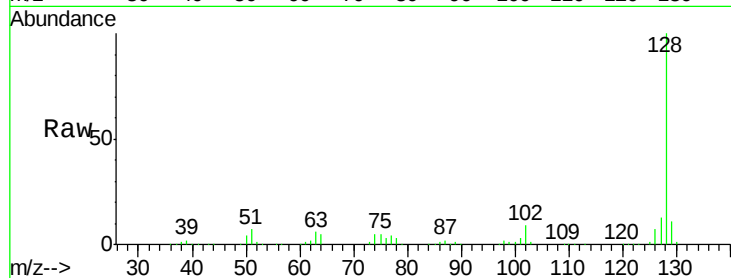
Tgt Ion:128 Resp: 609304

Ion Ratio Lower Upper

128 100

127 12.8 10.2 15.2

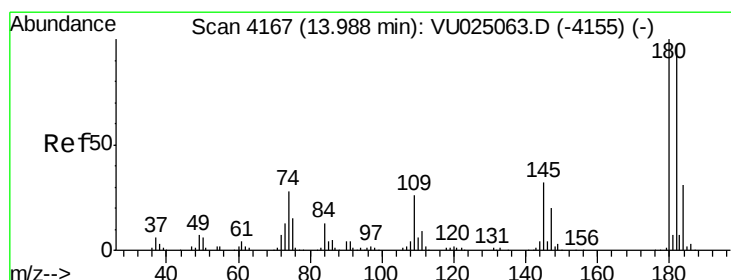
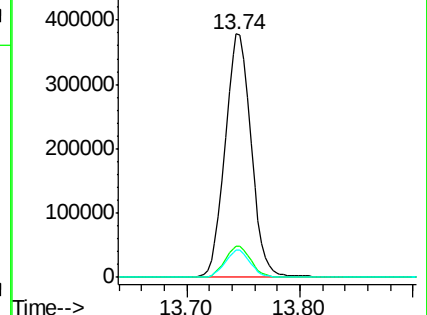
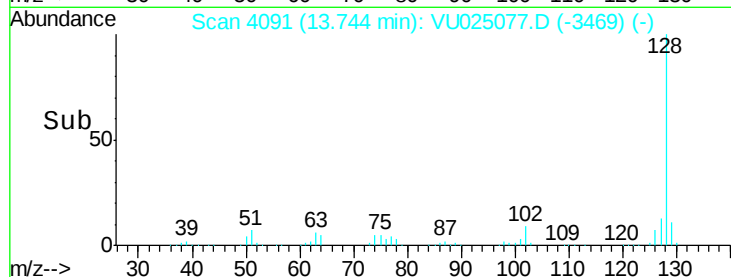
129 10.9 8.8 13.2



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: 51.411 ug/L

RT: 13.99 min Scan# 4168

Delta R.T. 0.00 min

Lab File: VU025077.D

Acq: 29 Jun 2018 18:15

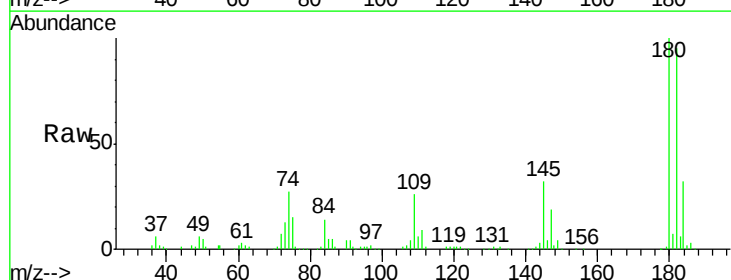
Tgt Ion:180 Resp: 191016

Ion Ratio Lower Upper

180 100

182 95.3 77.4 116.0

145 31.9 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

