

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU080818\
 Data File : VU025972.D
 Acq On : 08 Aug 2018 12:11
 Operator : MD/SY
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Aug 09 01:12:48 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM080718WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Aug 08 06:47:05 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.89	114	307455	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	298229	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.49	152	162065	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	81201	47.66	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	95.32%
7) Chloroethane-d5	1.64	69	48217	37.74	ug/L	-0.04
Spiked Amount	50.000	Range	70 - 130	Recovery	=	75.48%
11) 1,1-Dichloroethene-d2	2.25	63	163871	49.66	ug/L	-0.02
Spiked Amount	50.000	Range	60 - 125	Recovery	=	99.32%
21) 2-Butanone-d5	4.19	46	125590	107.13	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	107.13%
24) Chloroform-d	4.64	84	175502	53.21	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	106.42%
26) 1,2-Dichloroethane-d4	5.31	65	113236	52.01	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	104.02%
32) Benzene-d6	5.34	84	330593	50.29	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	100.58%
36) 1,2-Dichloropropane-d6	6.33	67	103965	50.87	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	101.74%
41) Toluene-d8	7.57	98	315422	49.45	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	98.90%
43) trans-1,3-Dichloropropene-	7.85	79	53670	50.08	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	100.16%
47) 2-Hexanone-d5	8.32	63	94601	111.23	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	111.23%
57) 1,1,2,2-Tetrachloroethane-	10.44	84	170013	60.05	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	120.10%#
64) 1,2-Dichlorobenzene-d4	11.87	152	146239	54.62	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	109.24%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.20	85	125140	53.507	ug/L 99
3) Chloromethane	1.33	50	126137	64.102	ug/L 100
5) Vinyl chloride	1.40	62	117867	55.538	ug/L 96
8) Chloroethane	1.66	64	52371	42.617	ug/L 98
9) Trichlorofluoromethane	1.84	101	167742	54.865	ug/L 99
10) 1,1,2-Trichloro-1,2,2-trif	2.26	101	93867	55.545	ug/L 98
12) 1,1-Dichloroethene	2.26	96	82231	52.987	ug/L 90
13) Acetone	2.33	43	140764	101.434	ug/L 100
14) Carbon disulfide	2.46	76	279453	50.542	ug/L 100
15) Methyl Acetate	2.62	43	113807	53.707	ug/L 99
16) Methylene chloride	2.69	84	109651	54.217	ug/L 97
17) trans-1,2-Dichloroethene	2.97	96	99093	51.783	ug/L 94
18) Methyl tert-butyl Ether	3.00	73	333180	54.763	ug/L 100
19) 1,1-Dichloroethane	3.44	63	191545	55.189	ug/L 98
20) cis-1,2-Dichloroethene	4.22	96	113272	52.981	ug/L 95
22) 2-Butanone	4.27	43	181443	104.578	ug/L 99
23) Bromochloromethane	4.54	128	59368	52.889	ug/L 98

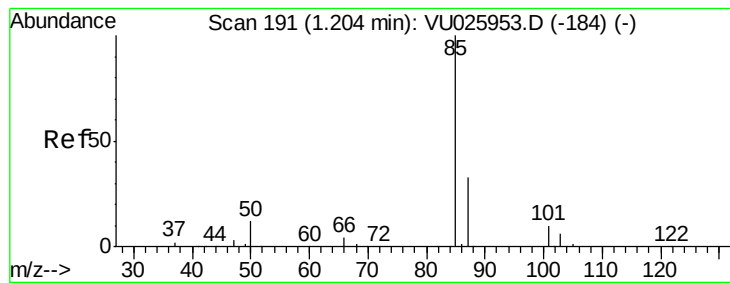
Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU080818\
 Data File : VU025972.D
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
25) Chloroform	4.67	83	200892	54.638	ug/L	100
27) 1,2-Dichloroethane	5.40	62	164269	56.027	ug/L	99
29) Cyclohexane	4.99	56	165998	52.817	ug/L	98
30) 1,1,1-Trichloroethane	4.91	97	179191	52.786	ug/L	99
31) Carbon tetrachloride	5.13	117	165764	54.606	ug/L	99
33) Benzene	5.39	78	417375	53.541	ug/L	100
34) Trichloroethene	6.18	95	109860	50.641	ug/L	97
35) Methylcyclohexane	6.41	83	174529	53.152	ug/L	97
37) 1,2-Dichloropropane	6.43	63	116045	55.719	ug/L	99
38) Bromodichloromethane	6.76	83	152829	53.982	ug/L	99
39) cis-1,3-Dichloropropene	7.27	75	178673	52.671	ug/L	98
40) 4-Methyl-2-pentanone	7.47	43	321402	113.174	ug/L	99
42) Toluene	7.64	91	453367	53.292	ug/L	97
44) trans-1,3-Dichloropropene	7.88	75	171443	53.470	ug/L	99
45) 1,1,2-Trichloroethane	8.07	97	111466	56.031	ug/L	99
46) Tetrachloroethene	8.23	164	93974	50.401	ug/L	98
48) 2-Hexanone	8.37	43	276647	120.747	ug/L	98
49) Dibromochloromethane	8.48	129	134335	54.975	ug/L	98
50) 1,2-Dibromoethane	8.59	107	118223	52.978	ug/L	96
51) Chlorobenzene	9.12	112	305485	52.441	ug/L	98
52) Ethylbenzene	9.25	91	508148	52.502	ug/L	99
53) m,p-Xylene	9.38	106	198395	52.253	ug/L	98
54) o-xylene	9.78	106	200358	55.418	ug/L	96
55) Styrene	9.80	104	336906	55.305	ug/L	100
56) Isopropylbenzene	10.17	105	518496	53.960	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.46	83	206038	61.603	ug/L	100
59) 1,2,3-Trichloropropane	10.50	75	159637	60.225	ug/L	99
61) Bromoform	9.97	173	108076	58.397	ug/L	99
62) 1,3-Dichlorobenzene	11.42	146	259547	53.529	ug/L	99
63) 1,4-Dichlorobenzene	11.51	146	264920	53.629	ug/L	98
65) 1,2-Dichlorobenzene	11.89	146	275813	56.731	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.66	75	41848	56.640	ug/L	96
67) 1,3,5-Trichlorobenzene	12.89	180	193830	54.251	ug/L	99
68) 1,2,4-trichlorobenzene	13.51	180	150991	48.694	ug/L	99
69) Naphthalene	13.75	128	442180	48.524	ug/L	99
70) 1,2,3-Trichlorobenzene	13.99	180	154855	48.743	ug/L	100

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



#2

Dichlorodifluoromethane

Concen: 53.507 ug/L

RT: 1.20 min Scan# 190

Delta R.T. -0.01 min

Lab File: VU025972.D

Acq: 08 Aug 2018 12:11

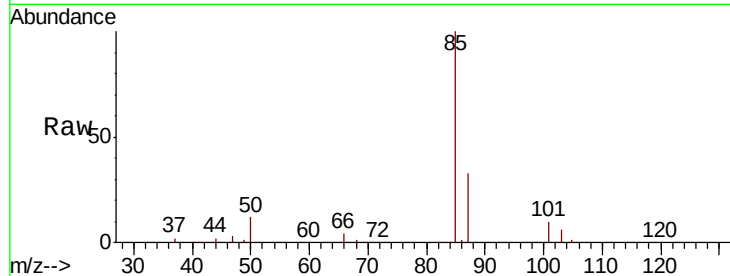
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 85 Resp: 125140

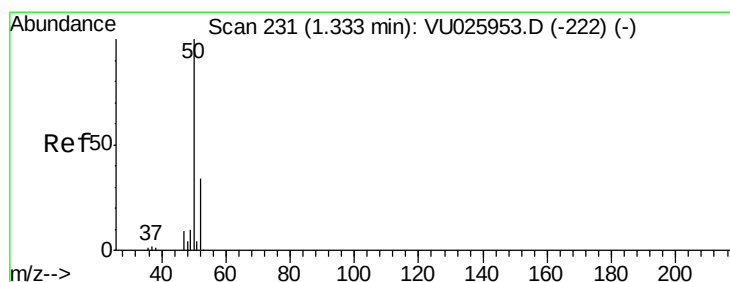
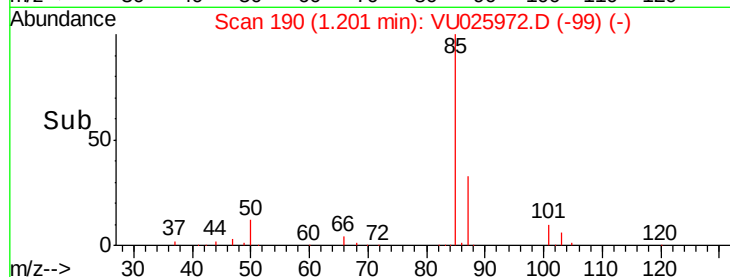
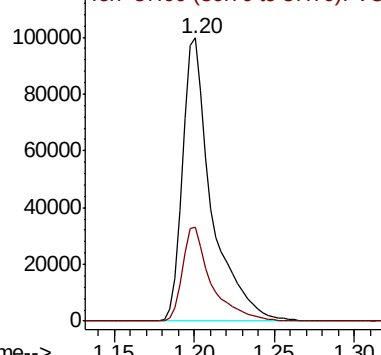
Ion Ratio Lower Upper

85 100

87 33.0 26.0 39.0



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



#3

Chloromethane

Concen: 64.102 ug/L

RT: 1.33 min Scan# 229

Delta R.T. -0.01 min

Lab File: VU025972.D

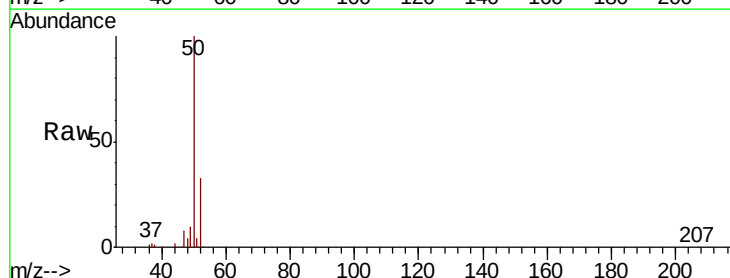
Acq: 08 Aug 2018 12:11

Tgt Ion: 50 Resp: 126137

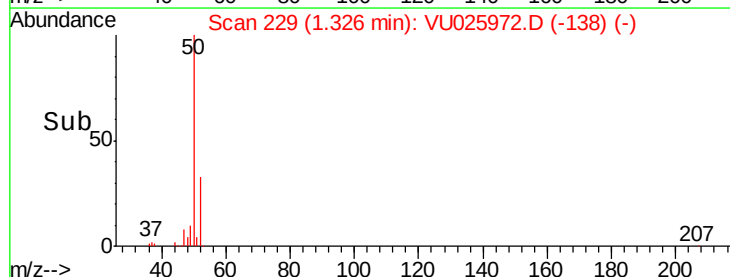
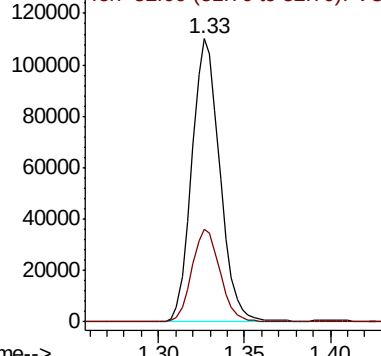
Ion Ratio Lower Upper

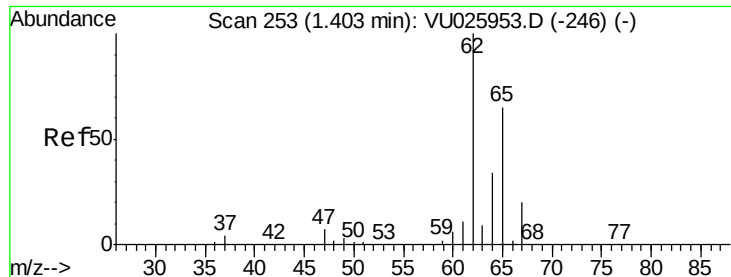
50 100

52 32.9 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: 55.538 ug/L

RT: 1.40 min Scan# 252

Delta R.T. -0.01 min

Lab File: VU025972.D

Acq: 08 Aug 2018 12:11

Instrument :

MSVOA_U

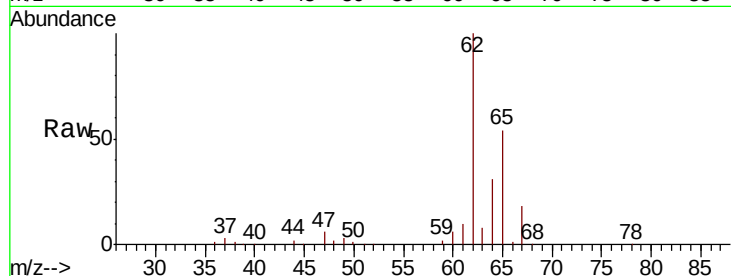
ClientSampled :

Tot Ion: 62 Resp: 117867

Ion Ratio Lower Upper

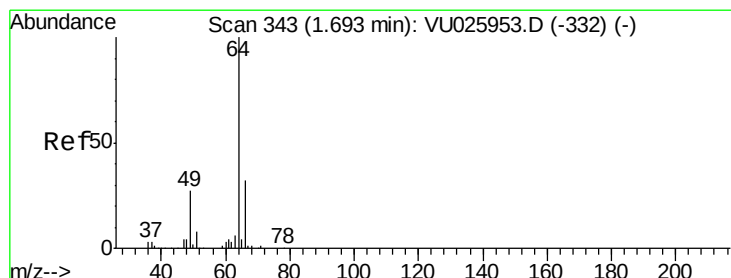
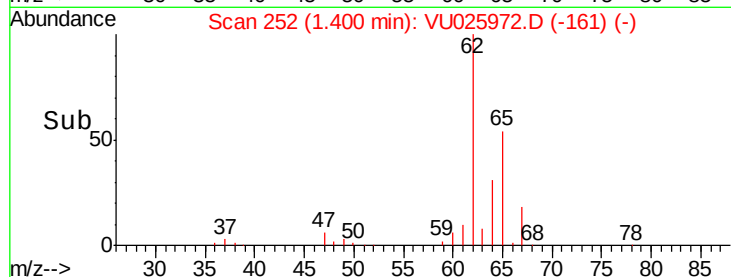
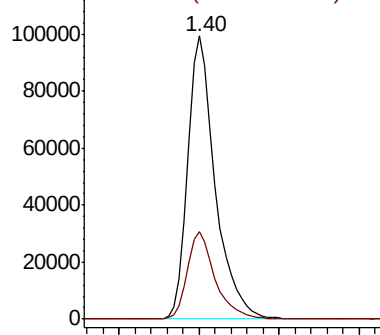
62 100

64 30.8 23.1 42.9



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 64.00 (63.70 to 64.70): VU0



#8

Chloroethane

Concen: 42.617 ug/L

RT: 1.66 min Scan# 332

Delta R.T. -0.04 min

Lab File: VU025972.D

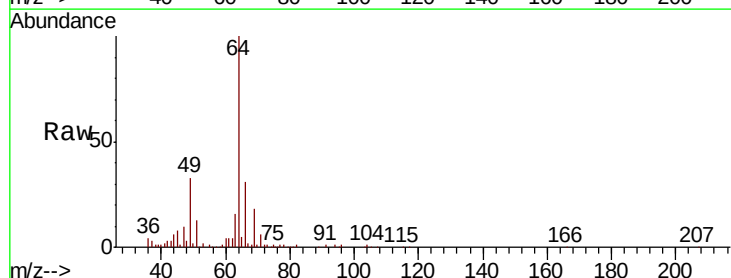
Acq: 08 Aug 2018 12:11

Tgt Ion: 64 Resp: 52371

Ion Ratio Lower Upper

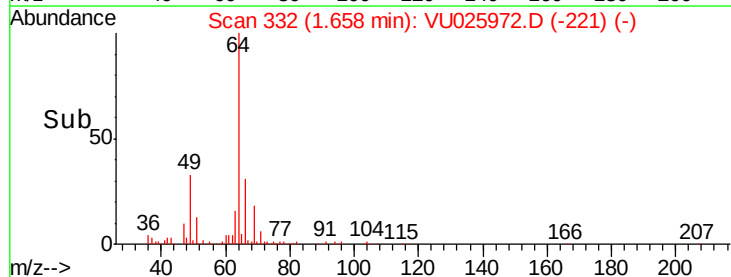
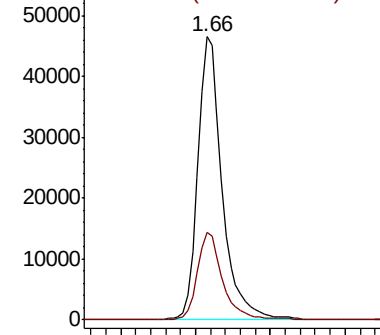
64 100

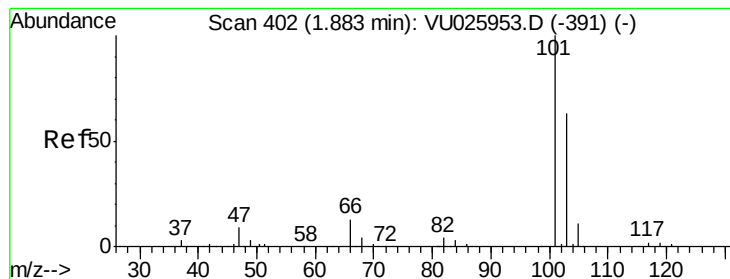
66 30.9 22.3 41.5



Abundance Ion 64.00 (63.70 to 64.70): VU0

Ion 66.00 (65.70 to 66.70): VU0





#9

Trichlorofluoromethane

Concen: 54.865 ug/L

RT: 1.84 min Scan# 389

Delta R.T. -0.05 min

Lab File: VU025972.D

Acq: 08 Aug 2018 12:11

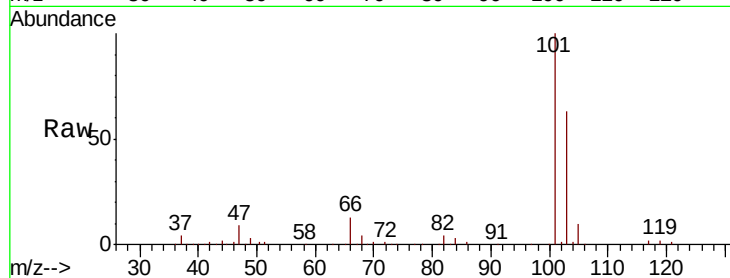
Instrument :
MSVOA_U
ClientSampled :

Tot Ion:101 Resp: 167742

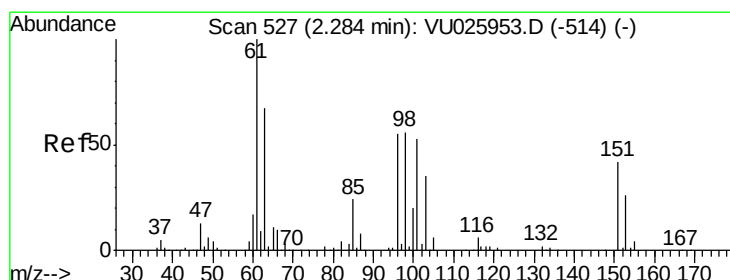
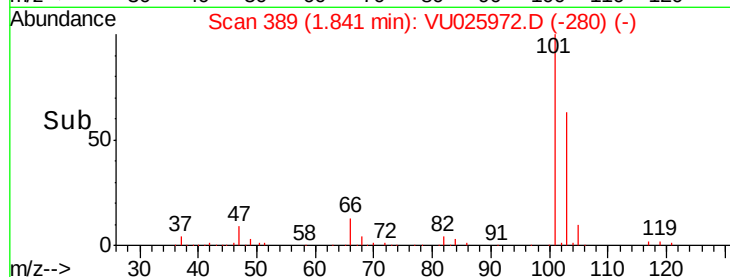
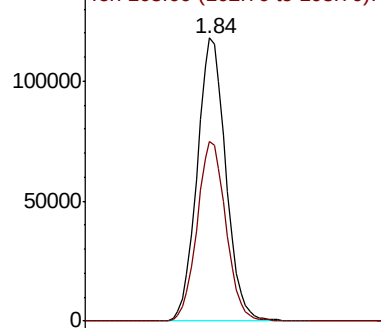
Ion Ratio Lower Upper

101 100

103 63.9 51.6 77.4



Abundance Ion 101.00 (100.70 to 101.70): V
Ion 103.00 (102.70 to 103.70): V



#10

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

Concen: 55.545 ug/L

RT: 2.26 min Scan# 520

Delta R.T. -0.03 min

Lab File: VU025972.D

Acq: 08 Aug 2018 12:11

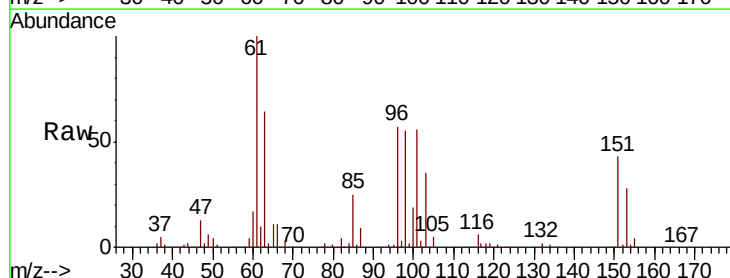
Tgt Ion:101 Resp: 93867

Ion Ratio Lower Upper

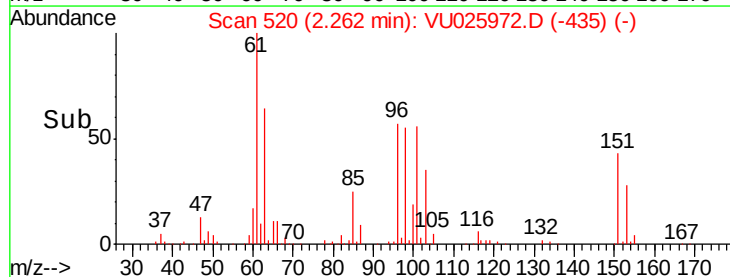
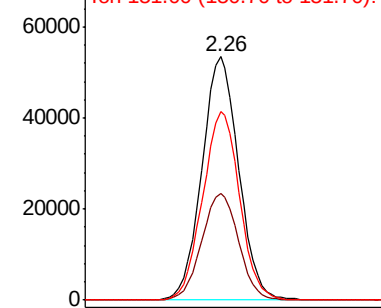
101 100

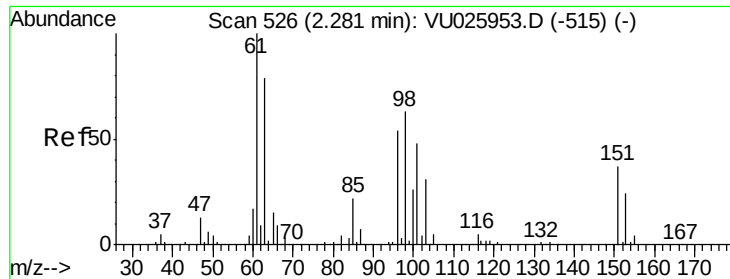
85 44.3 34.6 51.8

151 77.8 64.3 96.5



Abundance Ion 101.00 (100.70 to 101.70): V
Ion 85.00 (84.70 to 85.70): VU
Ion 151.00 (150.70 to 151.70): V





#12

1,1-Dichloroethene

Concen: 52.987 ug/L

RT: 2.26 min Scan# 520

Delta R.T. -0.02 min

Lab File: VU025972.D

Acq: 08 Aug 2018 12:11

Instrument :

MSVOA_U

ClientSampleId :

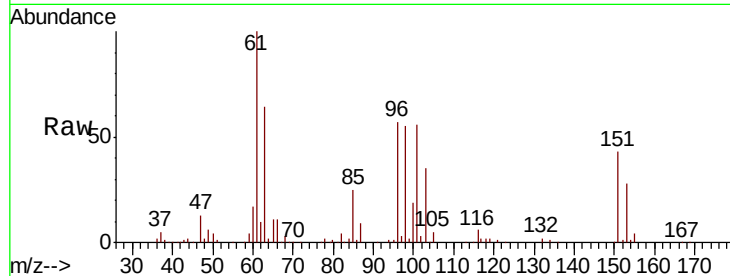
Tot Ion: 96 Resp: 82231

Ion Ratio Lower Upper

96 100

61 174.3 123.0 228.4

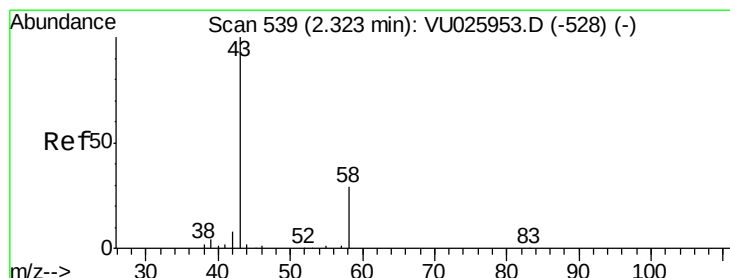
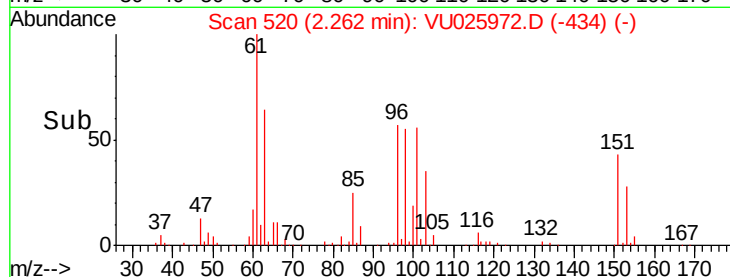
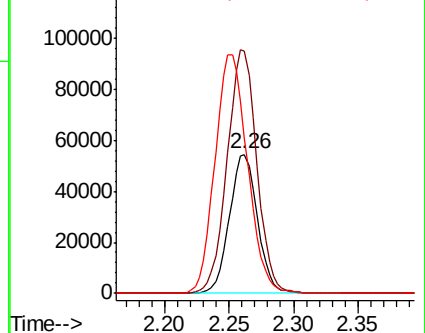
63 111.6 97.2 180.4



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: 101.434 ug/L

RT: 2.33 min Scan# 542

Delta R.T. 0.01 min

Lab File: VU025972.D

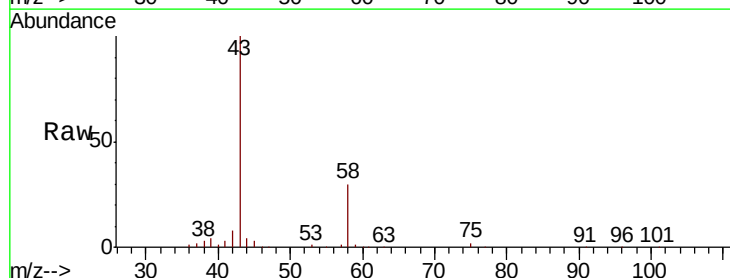
Acq: 08 Aug 2018 12:11

Tgt Ion: 43 Resp: 140764

Ion Ratio Lower Upper

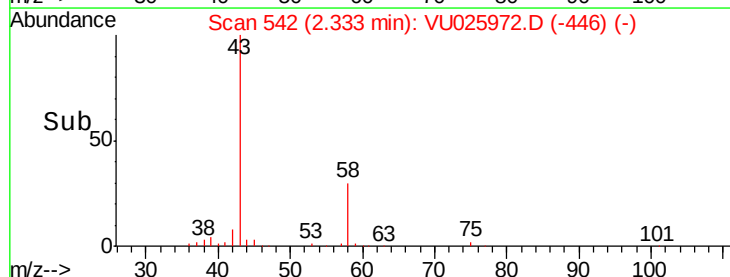
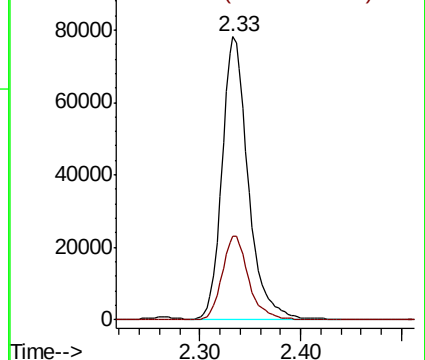
43 100

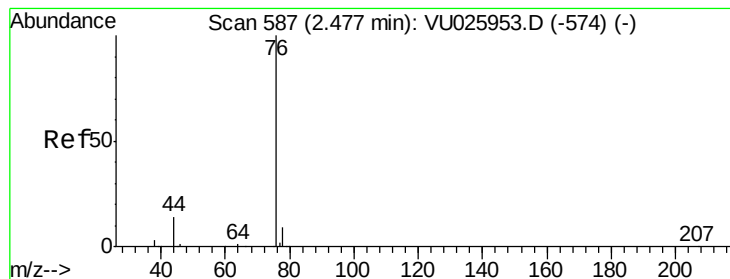
58 30.2 0.0 60.2



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0





#14

Carbon disulfide

Concen: 50.542 ug/L

RT: 2.46 min Scan# 580

Delta R.T. -0.02 min

Lab File: VU025972.D

Acq: 08 Aug 2018 12:11

Instrument :

MSVOA_U

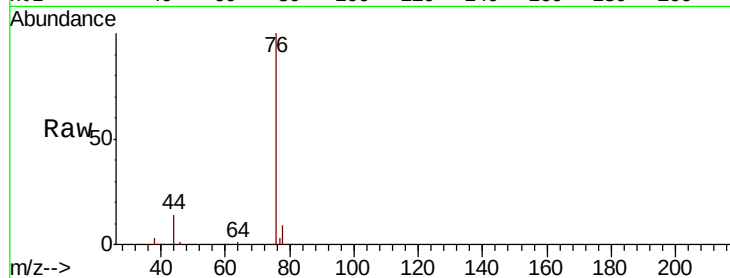
ClientSampleId :

Tot Ion: 76 Resp: 279453

Ion Ratio Lower Upper

76 100

78 9.0 7.2 10.8



Abundance Ion 76.00 (75.70 to 76.70): VU025972.D (-574) (-)

Ion 78.00 (77.70 to 78.70): VU025972.D (-574) (-)

2.46

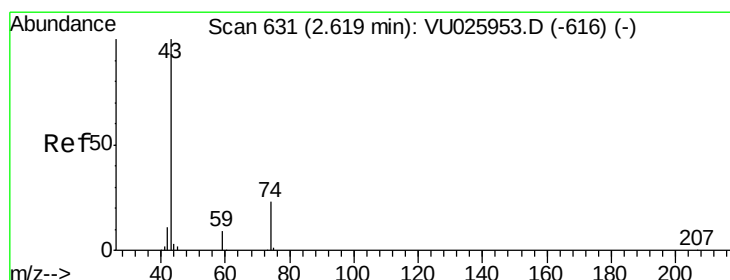
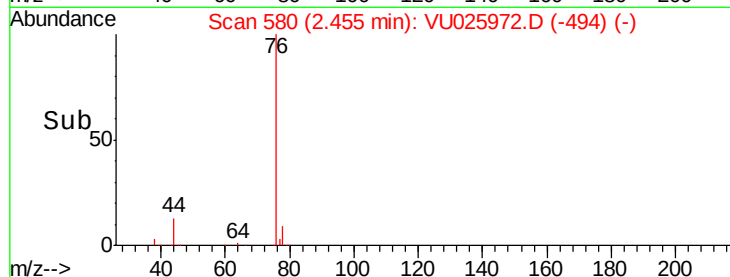
150000

100000

50000

0

Time-->



#15

Methyl Acetate

Concen: 53.707 ug/L

RT: 2.62 min Scan# 631

Delta R.T. 0.00 min

Lab File: VU025972.D

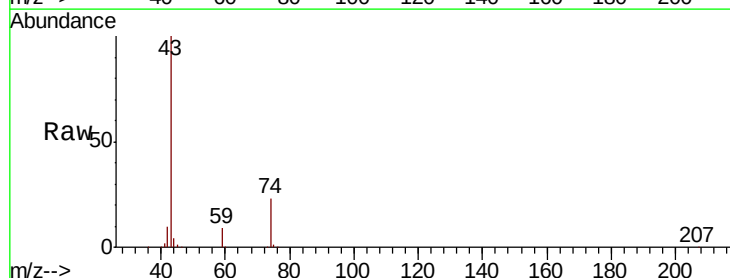
Acq: 08 Aug 2018 12:11

Tgt Ion: 43 Resp: 113807

Ion Ratio Lower Upper

43 100

74 22.9 18.8 28.2



Abundance Ion 43.00 (42.70 to 43.70): VU025972.D (-538) (-)

Ion 74.00 (73.70 to 74.70): VU025972.D (-538) (-)

2.62

80000

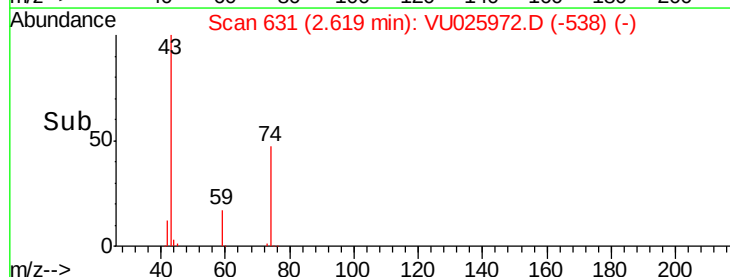
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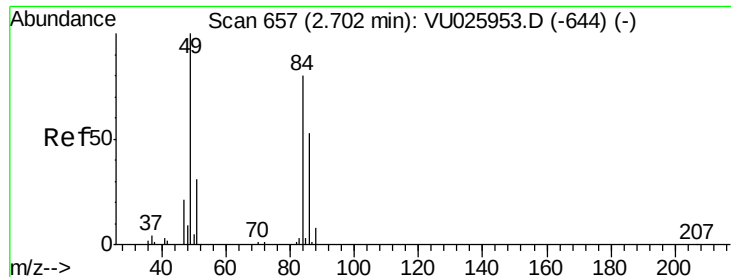
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Time-->

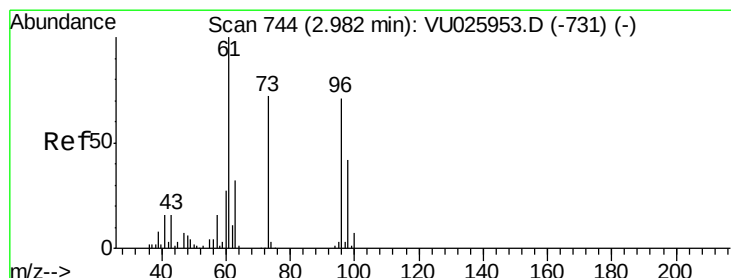
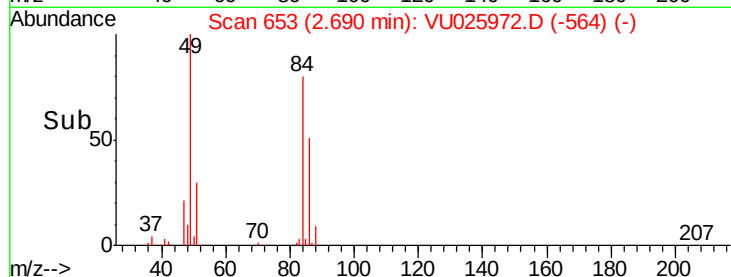
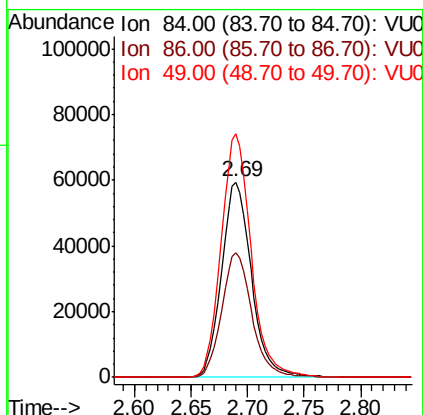
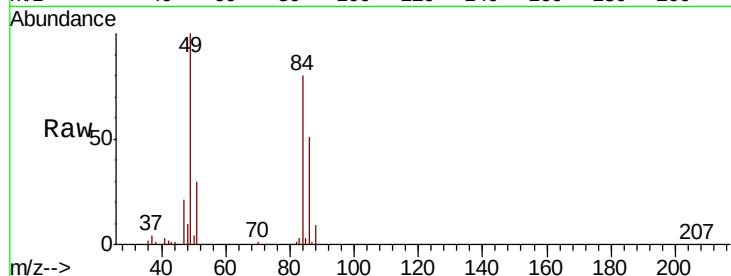




#16
Methylene chloride
Concen: 54.217 ug/L
RT: 2.69 min Scan# 653
Delta R.T. -0.01 min
Lab File: VU025972.D
Acq: 08 Aug 2018 12:11

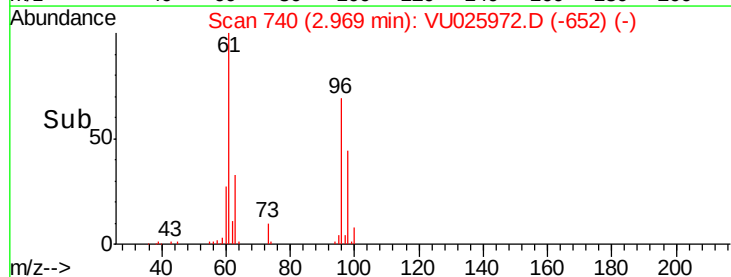
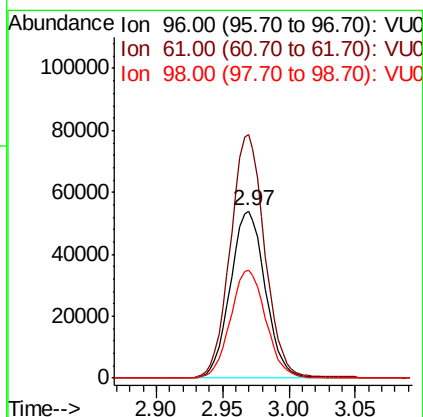
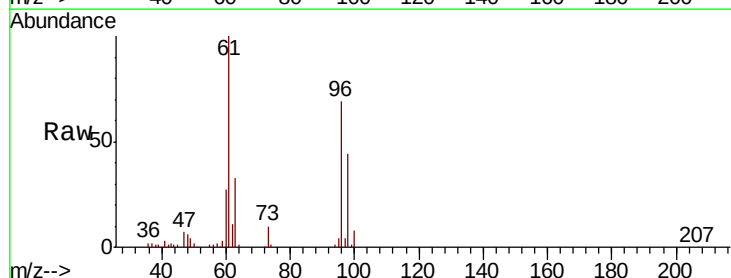
Instrument :
MSVOA_U
ClientSampled :

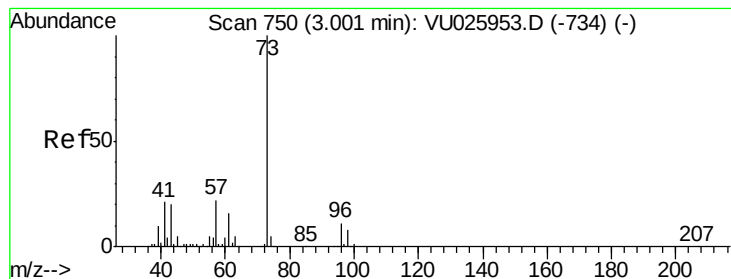
Tot Ion: 84 Resp: 109651
Ion Ratio Lower Upper
84 100
86 63.5 45.2 84.0
49 124.6 84.4 156.7



#17
trans-1,2-Dichloroethene
Concen: 51.783 ug/L
RT: 2.97 min Scan# 740
Delta R.T. -0.02 min
Lab File: VU025972.D
Acq: 08 Aug 2018 12:11

Tgt Ion: 96 Resp: 99093
Ion Ratio Lower Upper
96 100
61 145.9 96.2 178.6
98 64.8 44.0 81.8



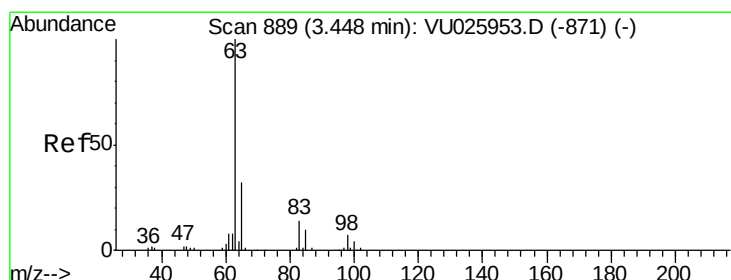
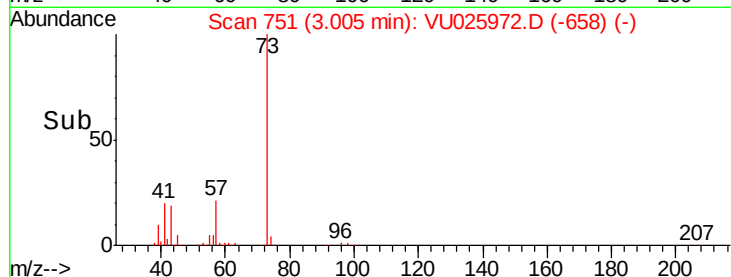
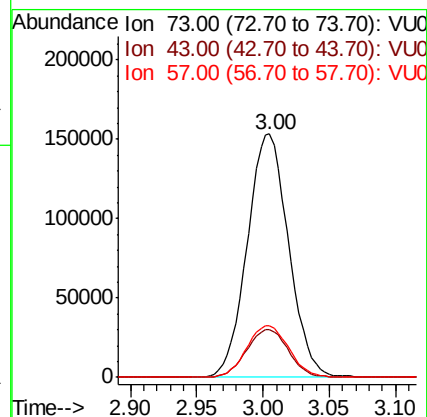
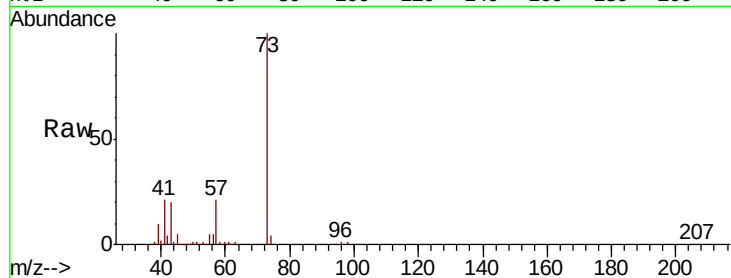


#18

Methyl tert-butyl Ether
 Concen: 54.763 ug/L
 RT: 3.00 min Scan# 751
 Delta R.T. 0.00 min
 Lab File: VU025972.D
 Acq: 08 Aug 2018 12:11

Instrument :
 MSVOA_U
 ClientSampleId :

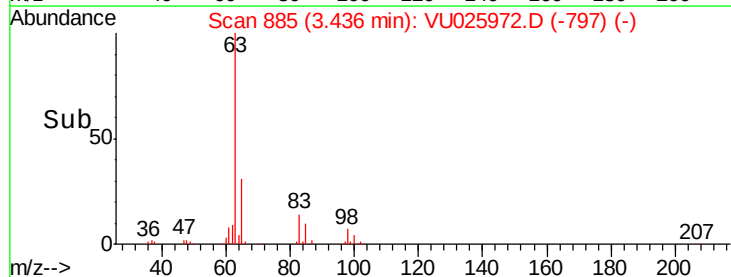
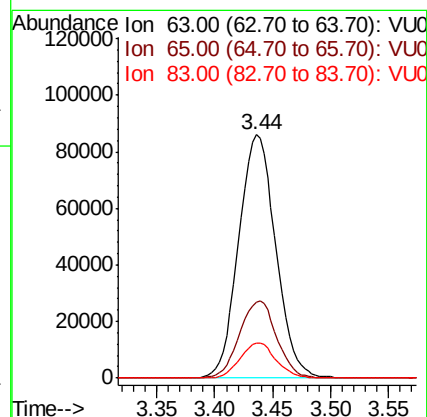
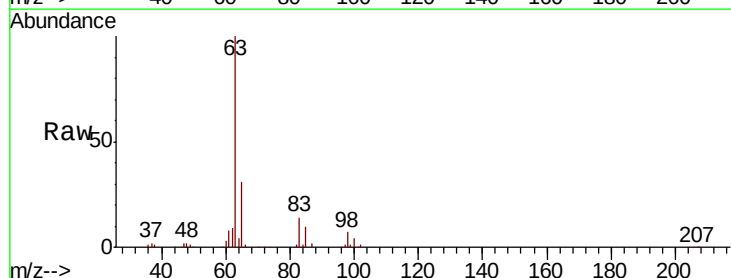
Tot Ion	Ratio	Lower	Upper
73	100		
43	20.1	15.9	23.9
57	21.8	17.5	26.3

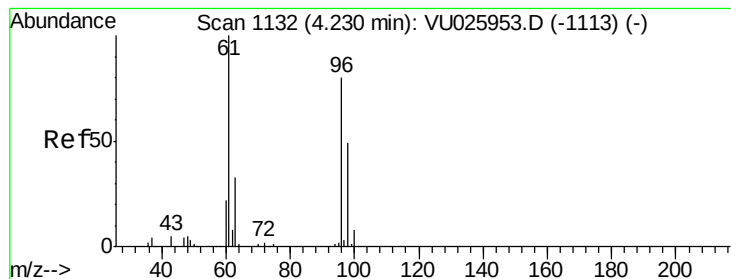


#19

1,1-Dichloroethane
 Concen: 55.189 ug/L
 RT: 3.44 min Scan# 885
 Delta R.T. -0.02 min
 Lab File: VU025972.D
 Acq: 08 Aug 2018 12:11

Tgt Ion	Ratio	Lower	Upper
63	100		
65	31.3	22.7	42.3
83	14.4	9.7	18.1





#20

cis-1,2-Dichloroethene

Concen: 52.981 ug/L

RT: 4.22 min Scan# 1129

Delta R.T. -0.01 min

Lab File: VU025972.D

Acq: 08 Aug 2018 12:11

Instrument :

MSVOA_U

ClientSampleId :

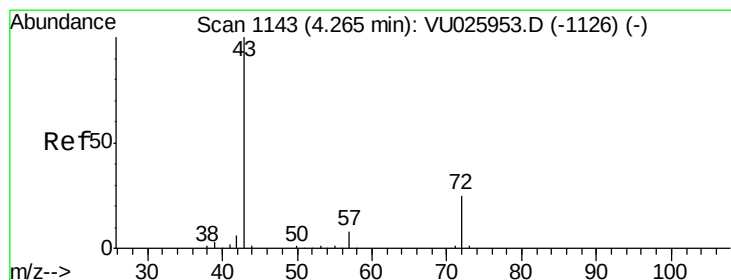
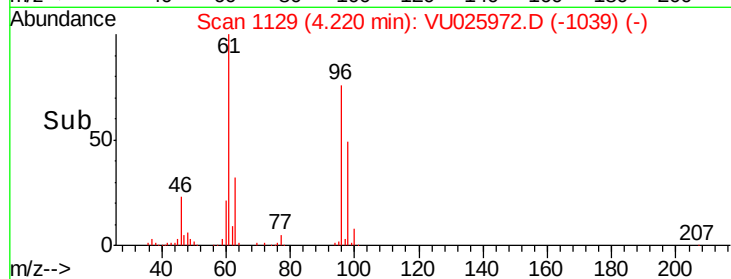
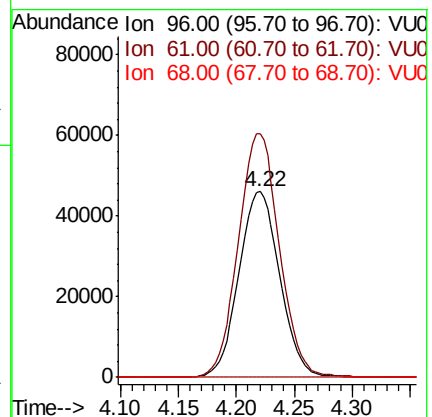
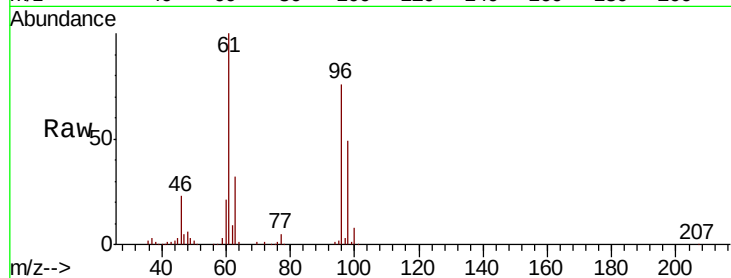
Tot Ion: 96 Resp: 113272

Ion Ratio Lower Upper

96 100

61 131.2 87.7 162.9

68 0.0 0.0 0.0



#22

2-Butanone

Concen: 104.578 ug/L

RT: 4.27 min Scan# 1145

Delta R.T. 0.01 min

Lab File: VU025972.D

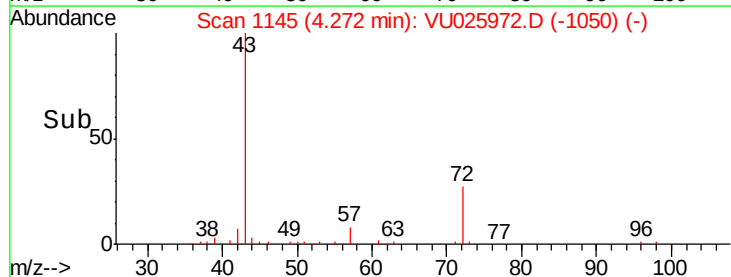
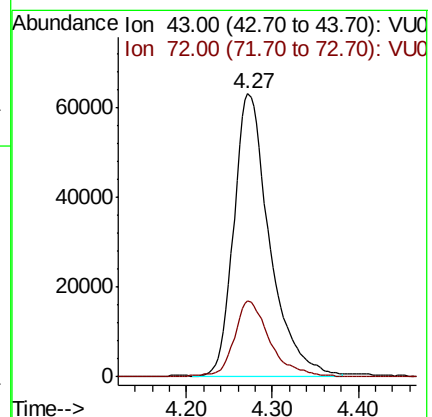
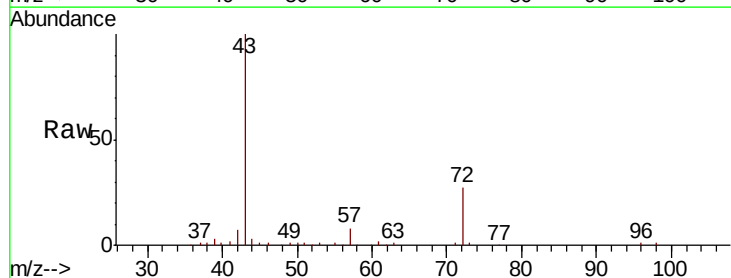
Acq: 08 Aug 2018 12:11

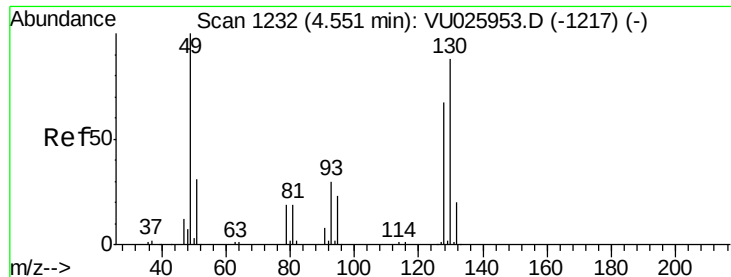
Tgt Ion: 43 Resp: 181443

Ion Ratio Lower Upper

43 100

72 27.2 13.4 40.2





#23

Bromochloromethane

Concen: 52.889 ug/L

RT: 4.54 min Scan# 1230

Delta R.T. -0.01 min

Lab File: VU025972.D

Acq: 08 Aug 2018 12:11

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion:128 Resp: 59368

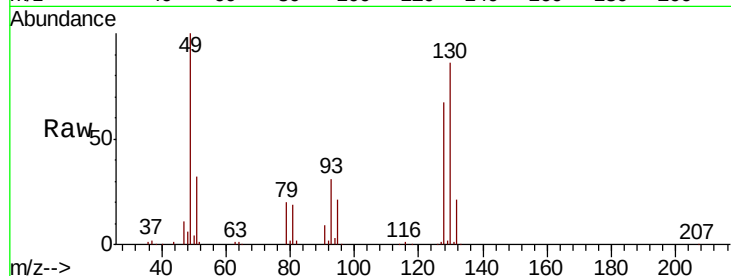
Ion Ratio Lower Upper

128 100

49 148.3 100.9 187.5

130 127.6 88.6 164.6

51 47.7 35.9 53.9

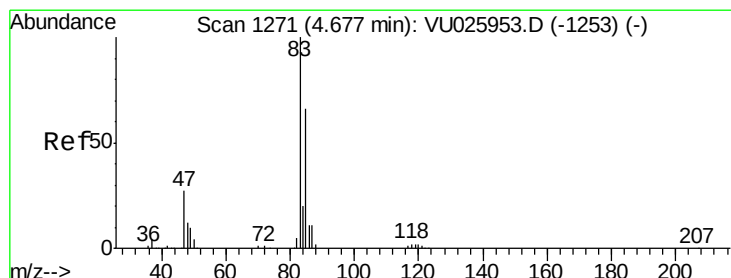
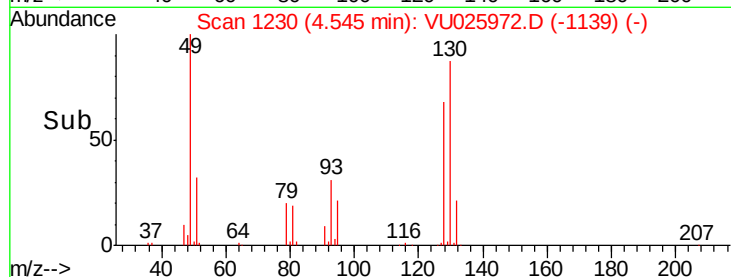
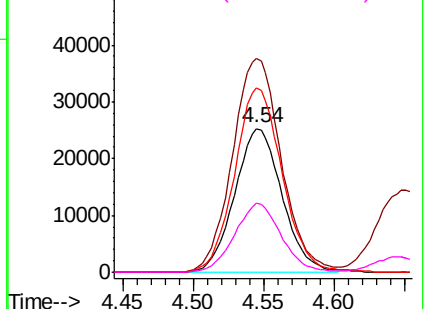


Abundance Ion 128.00 (127.70 to 128.70): VU025972.D (-1139) (-)

Ion 49.00 (48.70 to 49.70): VU025972.D (-1139) (-)

Ion 130.00 (129.70 to 130.70): VU025972.D (-1139) (-)

Ion 51.00 (50.70 to 51.70): VU025972.D (-1139) (-)



#25

Chloroform

Concen: 54.638 ug/L

RT: 4.67 min Scan# 1269

Delta R.T. -0.01 min

Lab File: VU025972.D

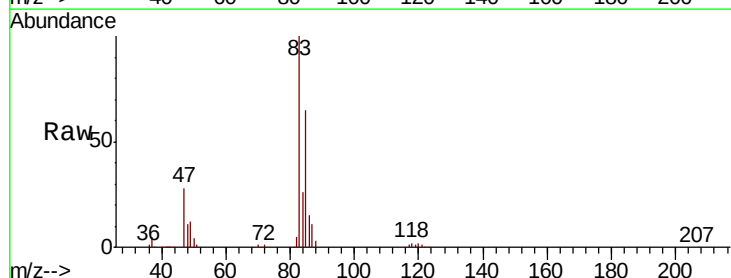
Acq: 08 Aug 2018 12:11

Tgt Ion: 83 Resp: 200892

Ion Ratio Lower Upper

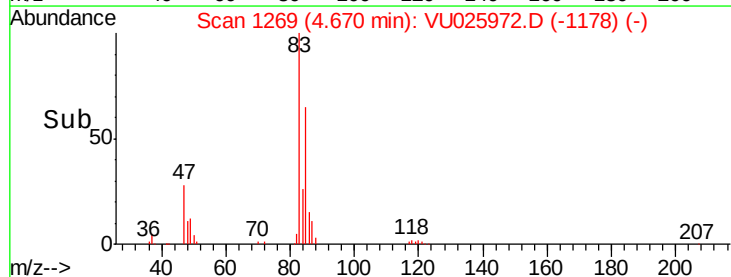
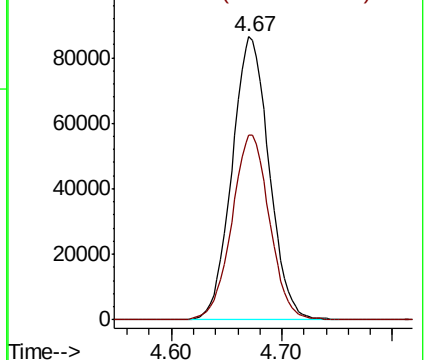
83 100

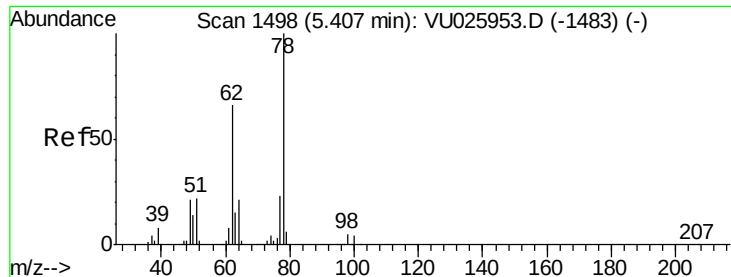
85 65.4 45.7 84.9



Abundance Ion 83.00 (82.70 to 83.70): VU025972.D (-1178) (-)

Ion 85.00 (84.70 to 85.70): VU025972.D (-1178) (-)

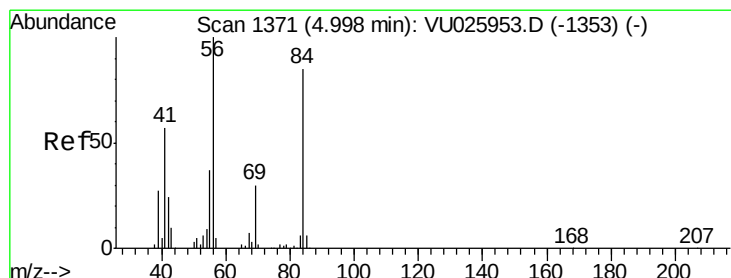
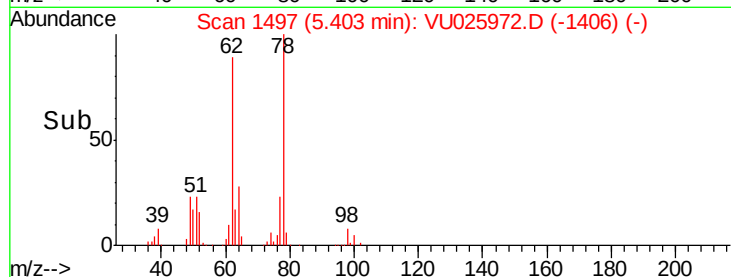
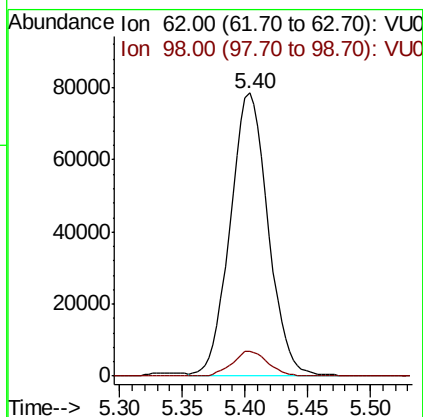
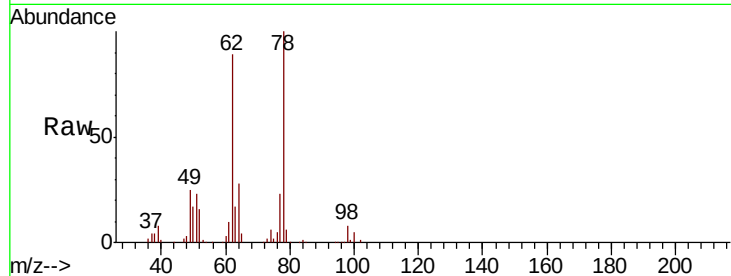




#27
 1,2-Dichloroethane
 Concen: 56.027 ug/L
 RT: 5.40 min Scan# 1497
 Delta R.T. -0.01 min
 Lab File: VU025972.D
 Acq: 08 Aug 2018 12:11

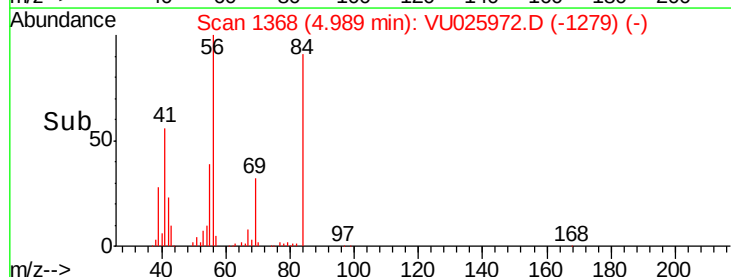
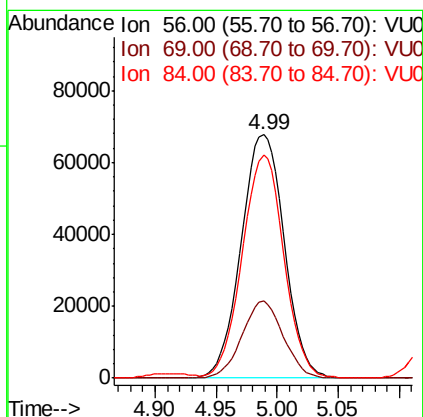
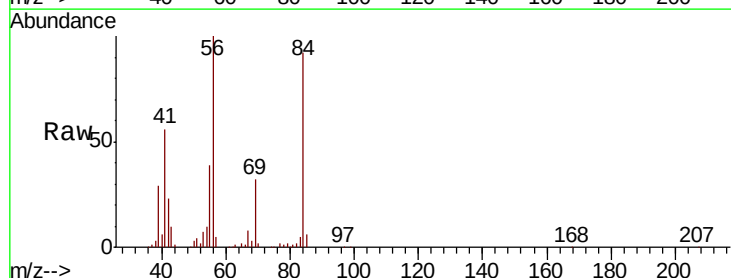
Instrument :
 MSVOA_U
 ClientSampleId :

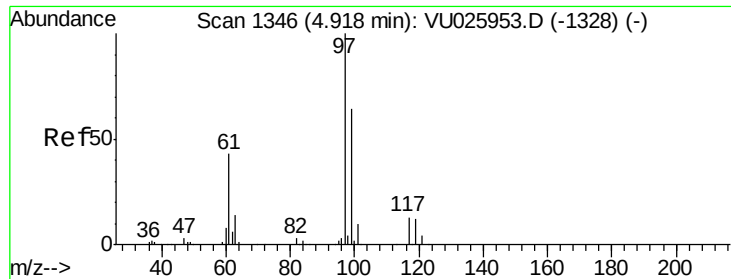
Tot Ion: 62 Resp: 164269
 Ion Ratio Lower Upper
 62 100
 98 8.9 6.8 10.2



#29
 Cyclohexane
 Concen: 52.817 ug/L
 RT: 4.99 min Scan# 1368
 Delta R.T. -0.01 min
 Lab File: VU025972.D
 Acq: 08 Aug 2018 12:11

Tgt Ion: 56 Resp: 165998
 Ion Ratio Lower Upper
 56 100
 69 30.2 24.6 36.8
 84 87.6 71.4 107.2

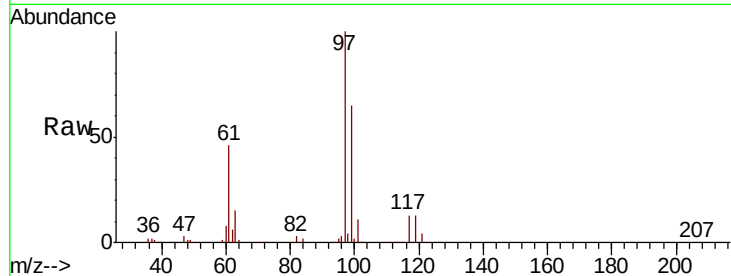




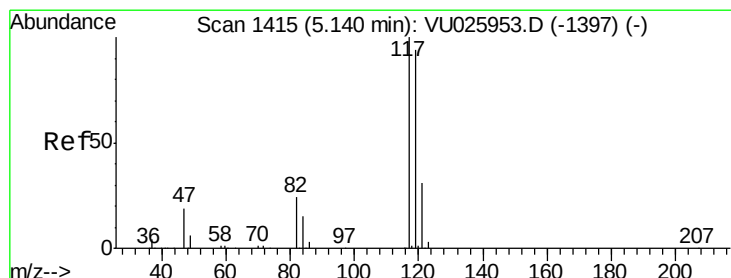
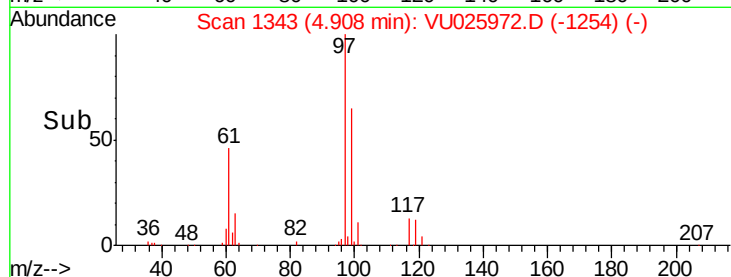
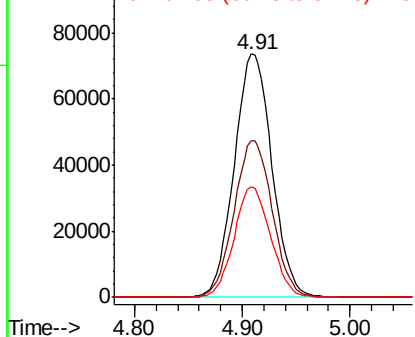
#30
 1,1,1-Trichloroethane
 Concen: 52.786 ug/L
 RT: 4.91 min Scan# 1343
 Delta R.T. -0.01 min
 Lab File: VU025972.D
 Acq: 08 Aug 2018 12:11

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion: 97 Resp: 179191
 Ion Ratio Lower Upper
 97 100
 99 65.3 52.3 78.5
 61 44.0 33.8 50.6

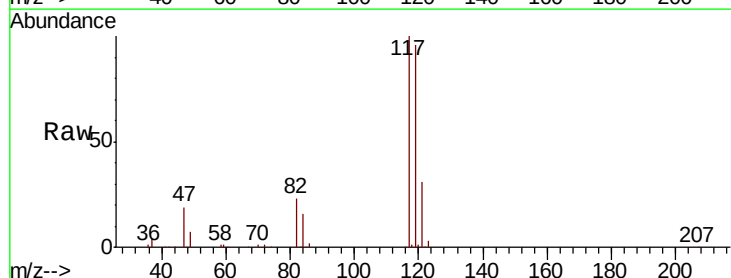


Abundance Ion 97.00 (96.70 to 97.70): VU0
 Ion 99.00 (98.70 to 99.70): VU0
 Ion 61.05 (60.75 to 61.75): VU0

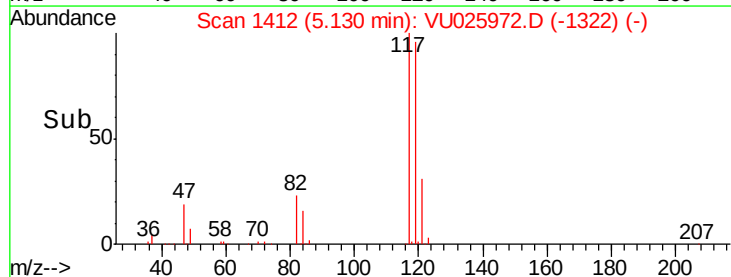
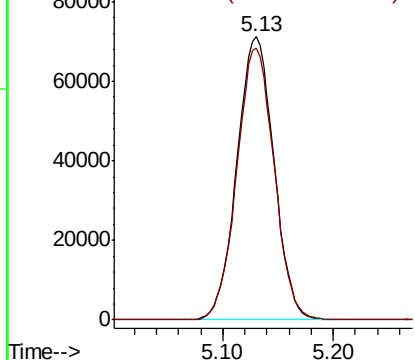


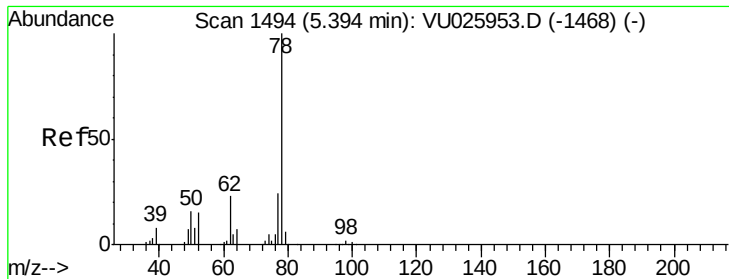
#31
 Carbon tetrachloride
 Concen: 54.606 ug/L
 RT: 5.13 min Scan# 1412
 Delta R.T. -0.01 min
 Lab File: VU025972.D
 Acq: 08 Aug 2018 12:11

Tgt Ion: 117 Resp: 165764
 Ion Ratio Lower Upper
 117 100
 119 96.8 77.8 116.8



Abundance Ion 117.00 (116.70 to 117.70): V
 Ion 119.00 (118.70 to 119.70): V

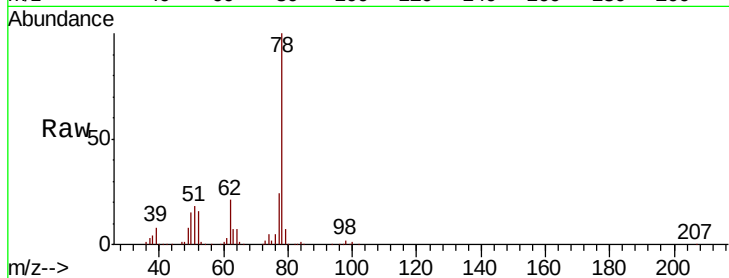




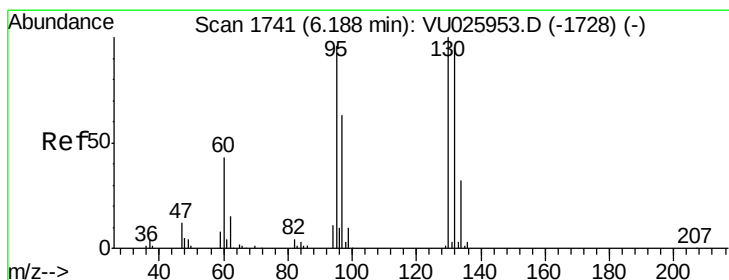
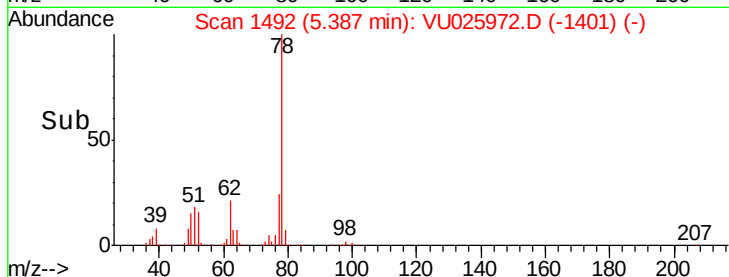
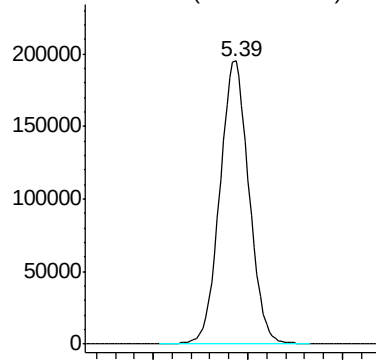
#33
Benzene
Concen: 53.541 ug/L
RT: 5.39 min Scan# 1492
Delta R.T. -0.01 min
Lab File: VU025972.D
Acq: 08 Aug 2018 12:11

Instrument :
MSVOA_U
ClientSampleId :

Tgt Ion: 78 Resp: 417375



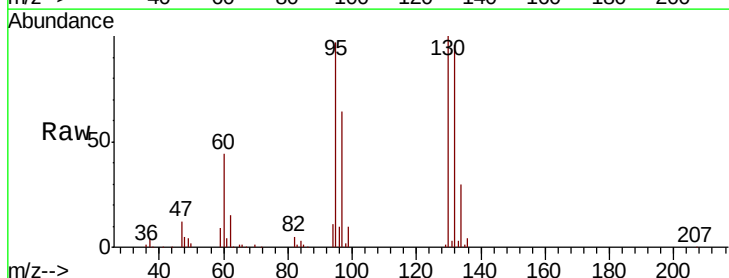
Abundance Ion 78.00 (77.70 to 78.70): VU0



#34
Trichloroethene
Concen: 50.641 ug/L
RT: 6.18 min Scan# 1740
Delta R.T. -0.01 min
Lab File: VU025972.D
Acq: 08 Aug 2018 12:11

Tgt Ion: 95 Resp: 109860

Ion	Ratio	Lower	Upper
95	100		
97	66.4	46.6	86.6
132	99.8	73.3	136.1
130	103.5	74.8	138.8

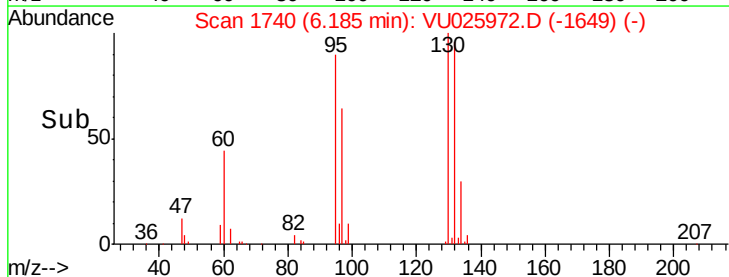
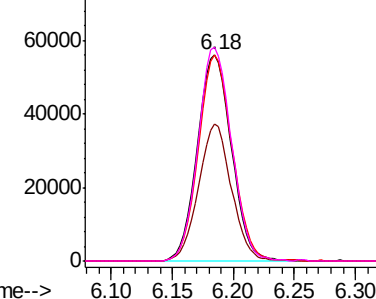


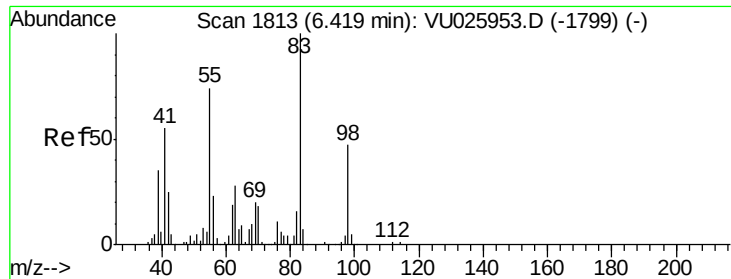
Abundance Ion 95.00 (94.70 to 95.70): VU0

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

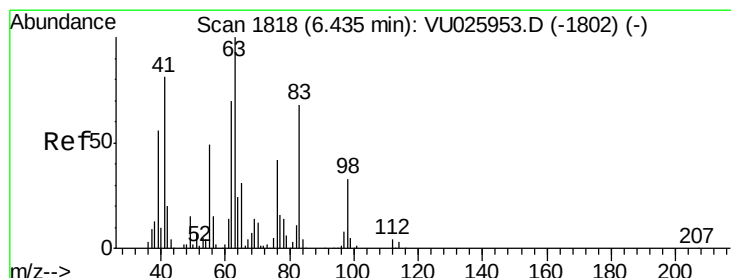
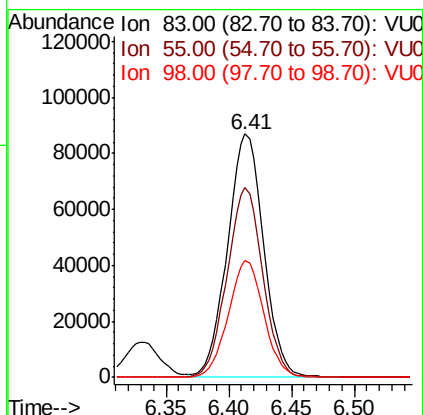
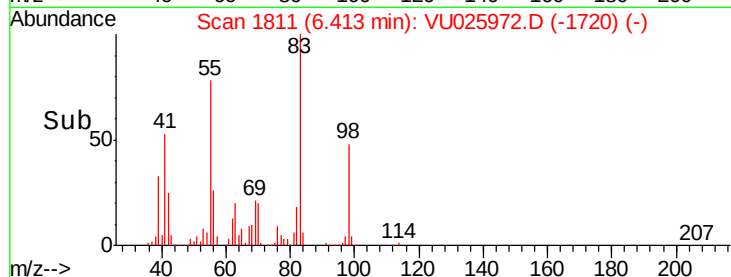
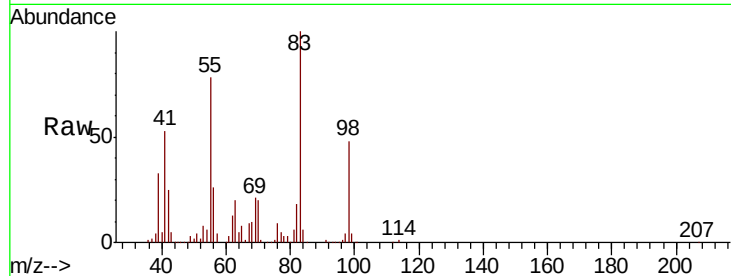




#35
Methvlcvclohexane
Concen: 53.152 ug/L
RT: 6.41 min Scan# 1811
Delta R.T. -0.01 min
Lab File: VU025972.D
Acq: 08 Aug 2018 12:11

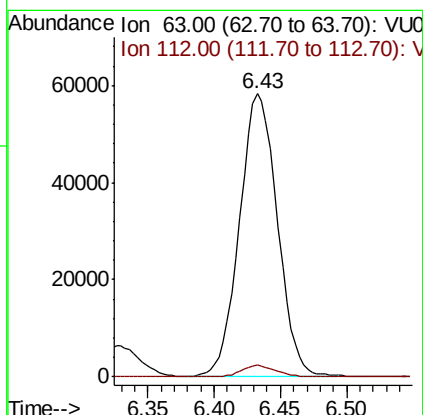
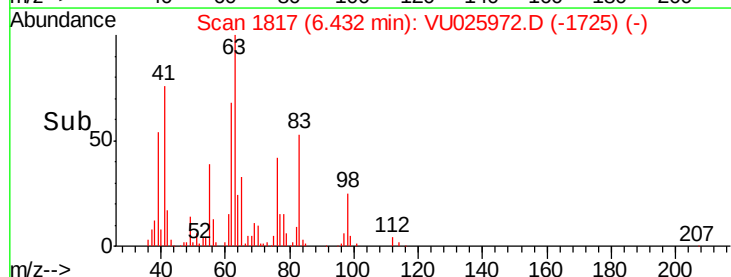
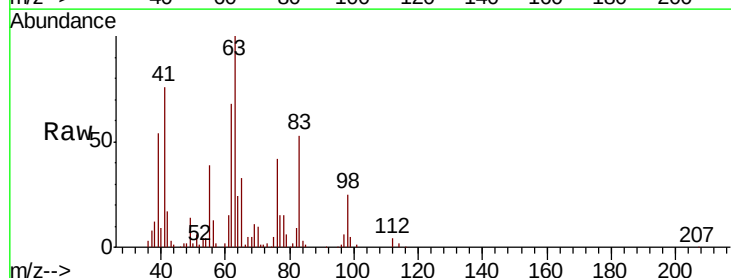
Instrument :
MSVOA_U
ClientSampleId :

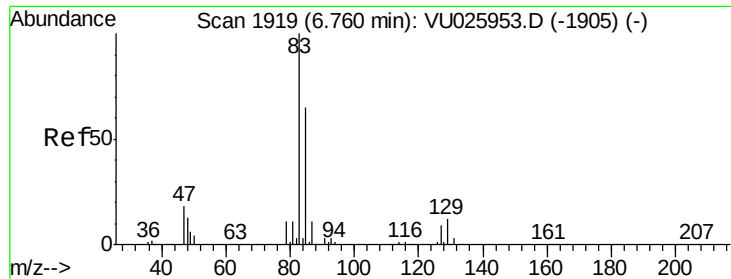
Tot Ion: 83 Resp: 174529
Ion Ratio Lower Upper
83 100
55 76.6 58.3 87.5
98 47.0 37.8 56.6



#37
1,2-Dichloropropane
Concen: 55.719 ug/L
RT: 6.43 min Scan# 1817
Delta R.T. -0.00 min
Lab File: VU025972.D
Acq: 08 Aug 2018 12:11

Tgt Ion: 63 Resp: 116045
Ion Ratio Lower Upper
63 100
112 3.7 3.3 4.9

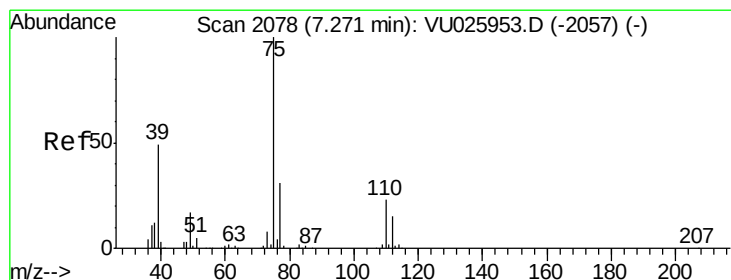
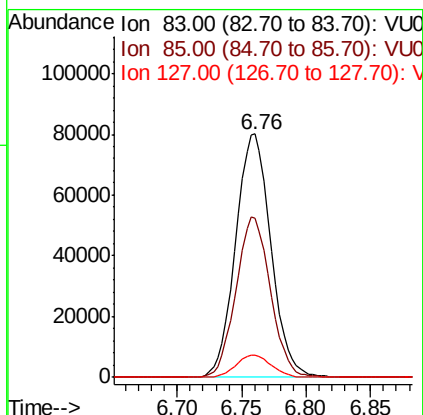
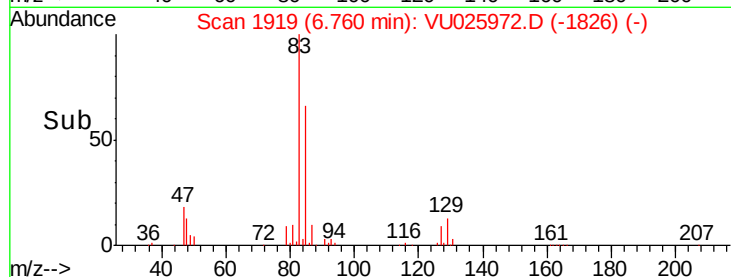
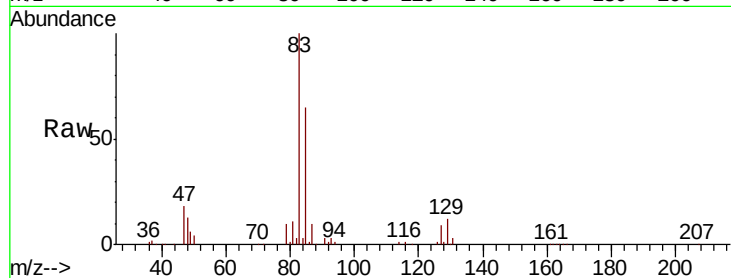




#38
 Bromodichloromethane
 Concen: 53.982 ug/L
 RT: 6.76 min Scan# 1919
 Delta R.T. 0.00 min
 Lab File: VU025972.D
 Acq: 08 Aug 2018 12:11

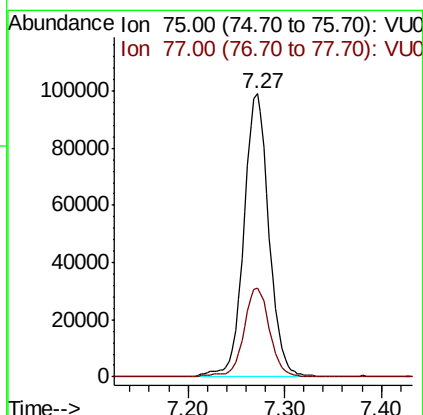
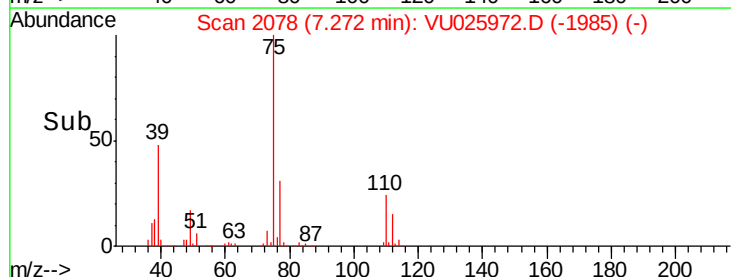
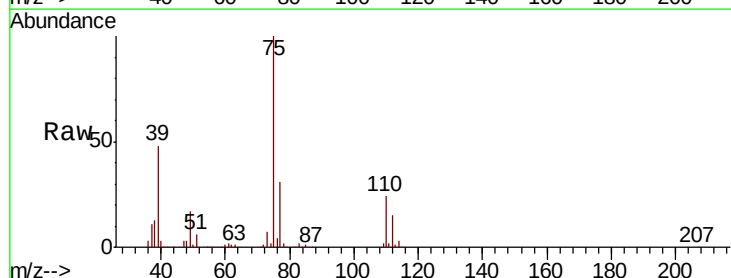
Instrument :
 MSVOA_U
 ClientSampleId :

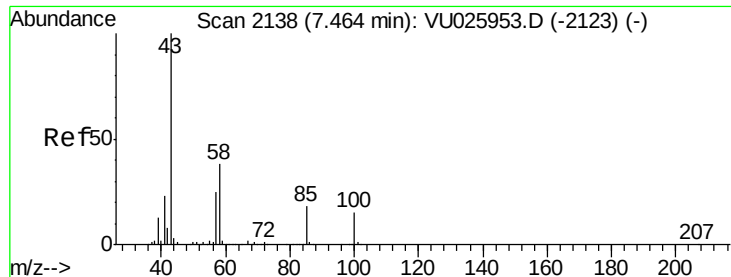
Tot Ion: 83 Resp: 152829
 Ion Ratio Lower Upper
 83 100
 85 65.3 45.2 84.0
 127 9.3 7.1 10.7



#39
 cis-1,3-Dichloropropene
 Concen: 52.671 ug/L
 RT: 7.27 min Scan# 2078
 Delta R.T. 0.00 min
 Lab File: VU025972.D
 Acq: 08 Aug 2018 12:11

Tgt Ion: 75 Resp: 178673
 Ion Ratio Lower Upper
 75 100
 77 31.2 22.5 41.7

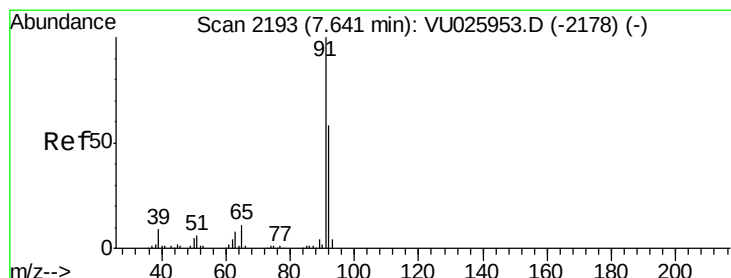
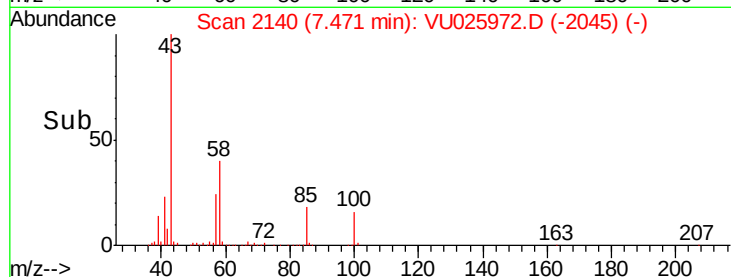
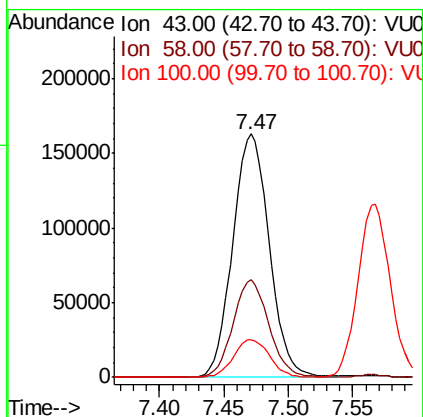
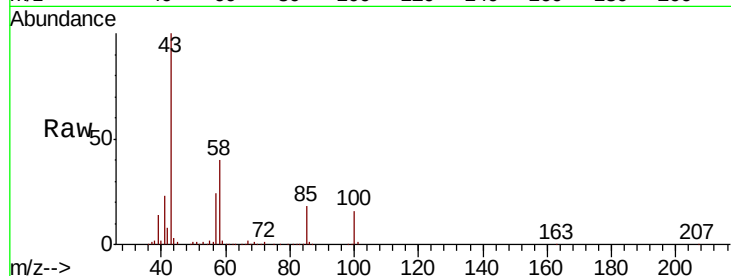




#40
4-Methyl-2-pentanone
Concen: 113.174 ug/L
RT: 7.47 min Scan# 2140
Delta R.T. 0.01 min
Lab File: VU025972.D
Acq: 08 Aug 2018 12:11

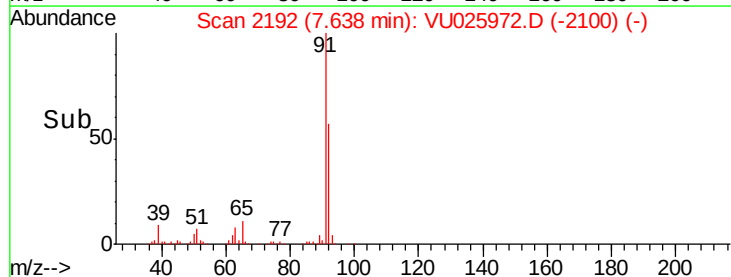
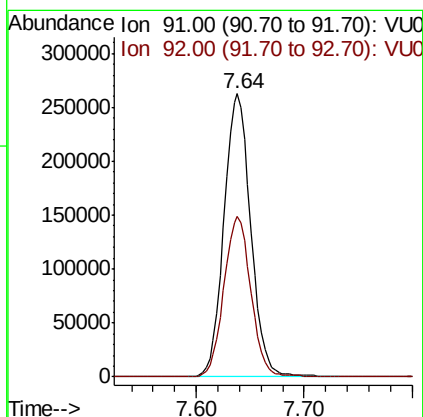
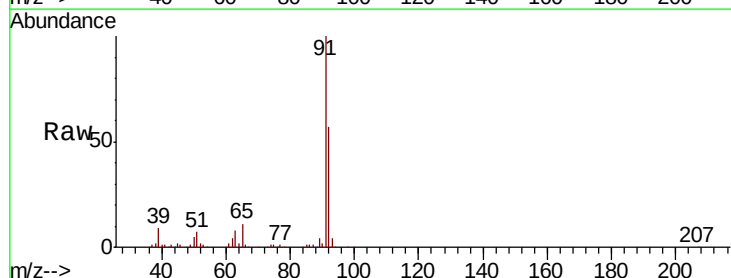
Instrument :
MSVOA_U
ClientSampled :

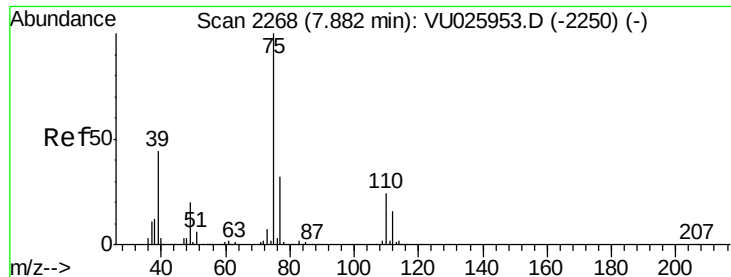
Tot Ion: 43 Resp: 321402
Ion Ratio Lower Upper
43 100
58 39.1 31.0 46.4
100 15.3 12.4 18.6



#42
Toluene
Concen: 53.292 ug/L
RT: 7.64 min Scan# 2192
Delta R.T. -0.00 min
Lab File: VU025972.D
Acq: 08 Aug 2018 12:11

Tgt Ion: 91 Resp: 453367
Ion Ratio Lower Upper
91 100
92 56.5 40.9 75.9





#44

trans-1,3-Dichloropropene

Concen: 53.470 ug/L

RT: 7.88 min Scan# 2268

Delta R.T. 0.00 min

Lab File: VU025972.D

Acq: 08 Aug 2018 12:11

Instrument :

MSVOA_U

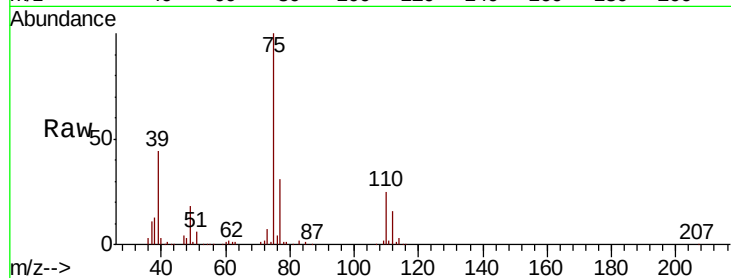
ClientSampled :

Tot Ion: 75 Resp: 171443

Ion Ratio Lower Upper

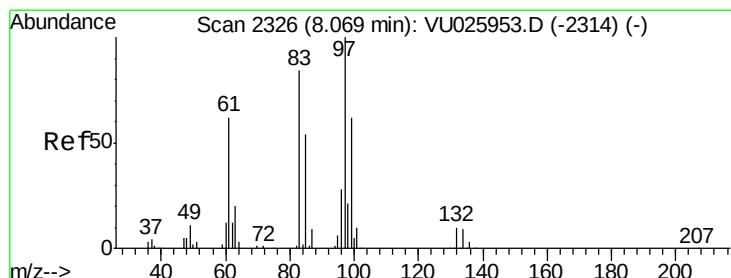
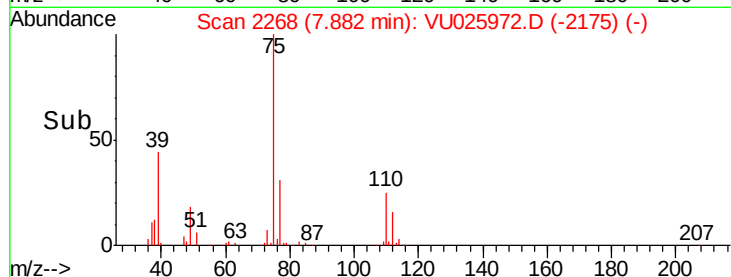
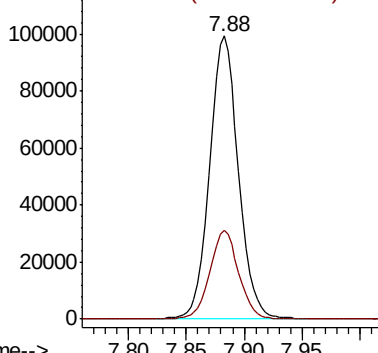
75 100

77 31.4 22.3 41.3



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: 56.031 ug/L

RT: 8.07 min Scan# 2327

Delta R.T. 0.00 min

Lab File: VU025972.D

Acq: 08 Aug 2018 12:11

Tgt Ion: 97 Resp: 111466

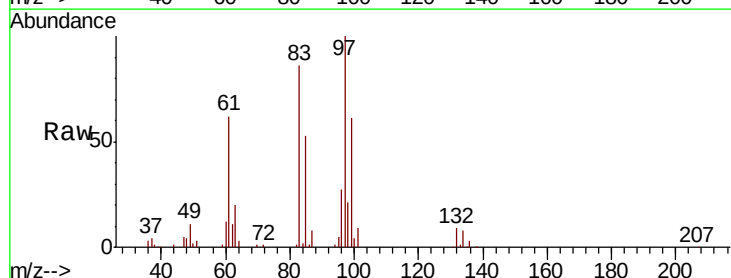
Ion Ratio Lower Upper

97 100

99 60.9 42.6 79.0

83 86.1 59.6 110.6

85 53.4 38.9 72.2

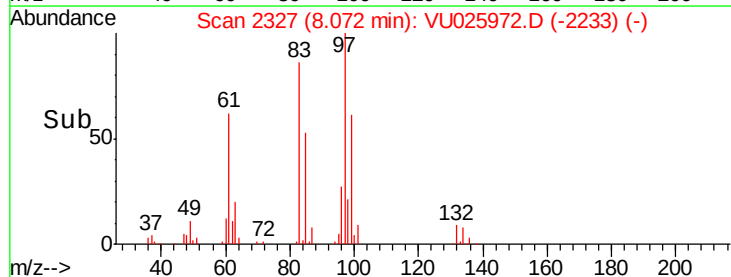
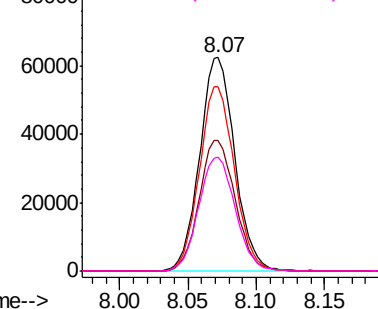


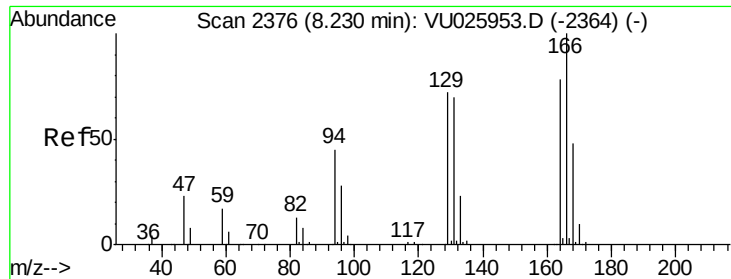
Abundance Ion 97.00 (96.70 to 97.70): VU0

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

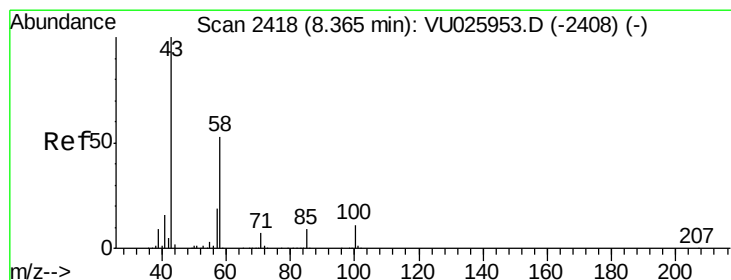
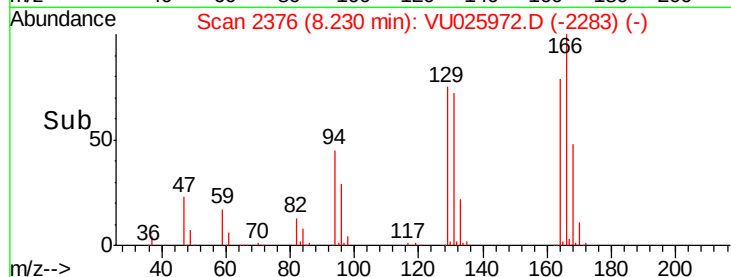
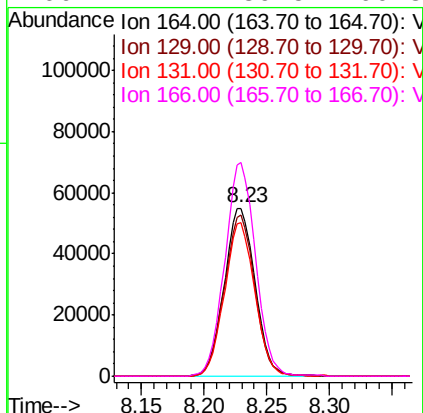
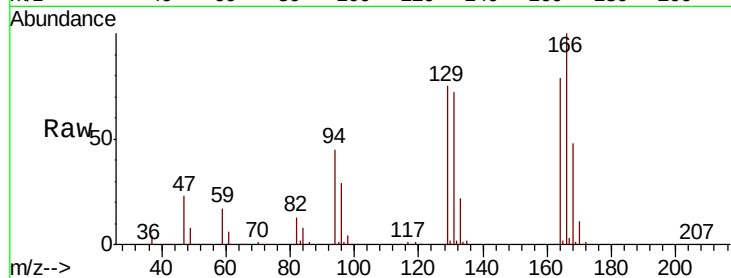




#46
Tetrachloroethene
Concen: 50.401 ug/L
RT: 8.23 min Scan# 2376
Delta R.T. 0.00 min
Lab File: VU025972.D
Acq: 08 Aug 2018 12:11

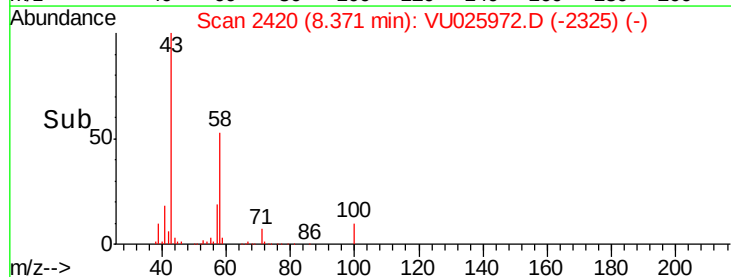
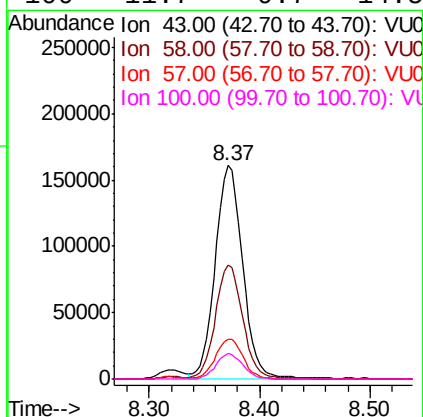
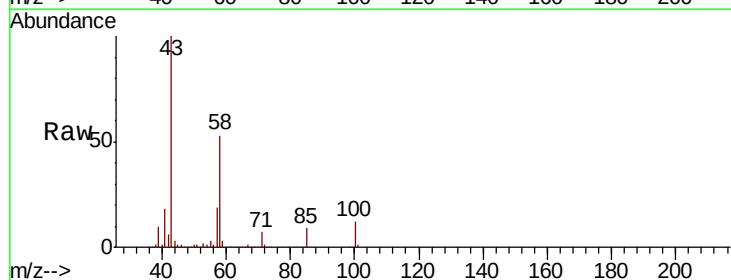
Instrument :
MSVOA_U
ClientSampled :

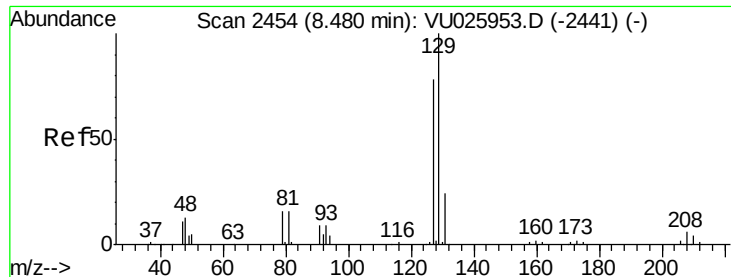
Tot Ion:	164	Resp:	93974
Ion	Ratio	Lower	Upper
164	100		
129	95.8	64.8	120.3
131	91.1	63.1	117.3
166	127.2	89.5	166.3



#48
2-Hexanone
Concen: 120.747 ug/L
RT: 8.37 min Scan# 2420
Delta R.T. 0.01 min
Lab File: VU025972.D
Acq: 08 Aug 2018 12:11

Tgt Ion:	43	Resp:	276647
Ion	Ratio	Lower	Upper
43	100		
58	52.6	43.3	64.9
57	19.0	15.0	22.6
100	11.7	9.7	14.5





#49

Dibromochloromethane

Concen: 54.975 ug/L

RT: 8.48 min Scan# 2454

Delta R.T. 0.00 min

Lab File: VU025972.D

Acq: 08 Aug 2018 12:11

Instrument :

MSVOA_U

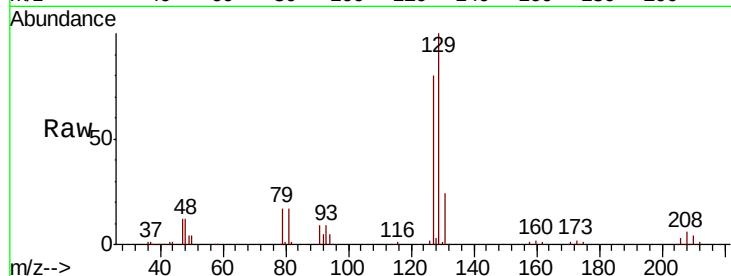
ClientSampleId :

Tot Ion:129 Resp: 134335

Ion Ratio Lower Upper

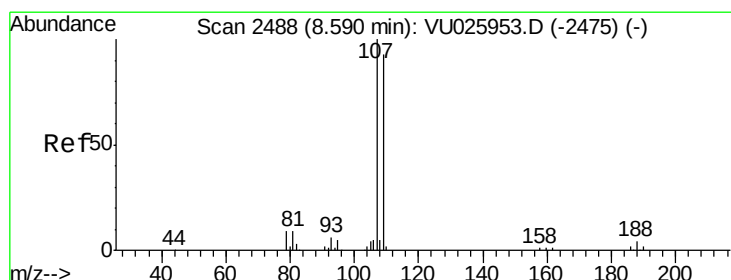
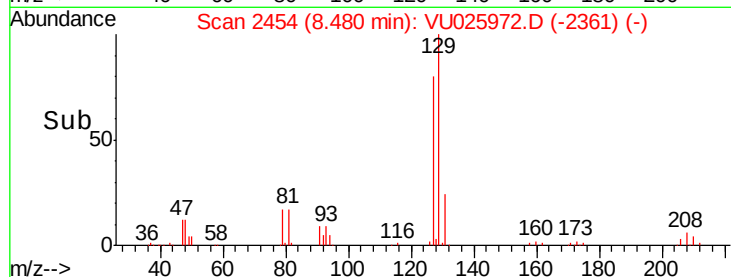
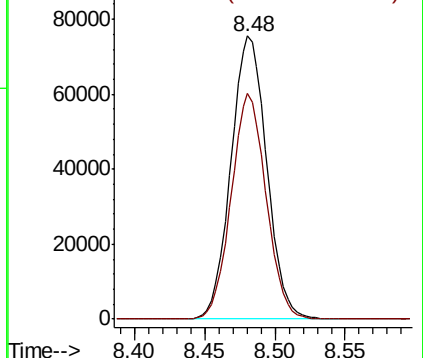
129 100

127 79.6 54.3 100.8



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#50

1,2-Dibromoethane

Concen: 52.978 ug/L

RT: 8.59 min Scan# 2488

Delta R.T. 0.00 min

Lab File: VU025972.D

Acq: 08 Aug 2018 12:11

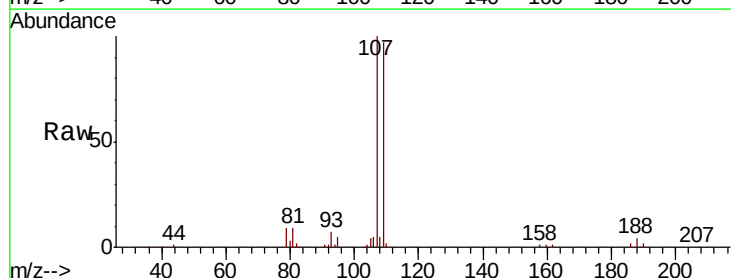
Tgt Ion:107 Resp: 118223

Ion Ratio Lower Upper

107 100

109 97.3 65.1 120.9

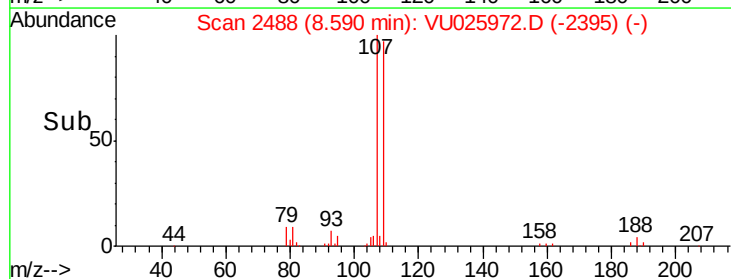
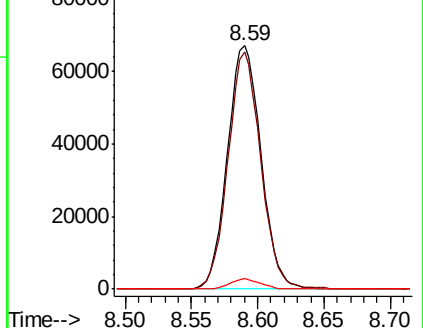
188 4.2 3.4 5.2

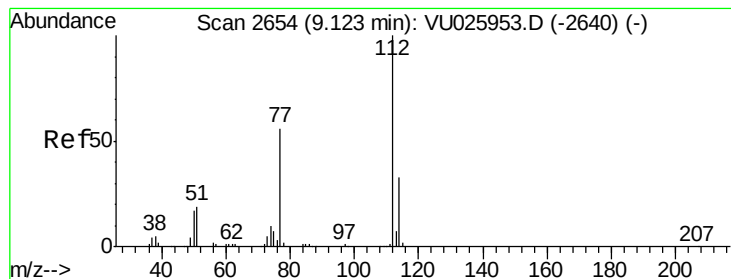


Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

Ion 188.00 (187.70 to 188.70): V





#51

Chlorobenzene

Concen: 52.441 ug/L

RT: 9.12 min Scan# 2654

Delta R.T. 0.00 min

Lab File: VU025972.D

Acq: 08 Aug 2018 12:11

Instrument :

MSVOA_U

ClientSampleId :

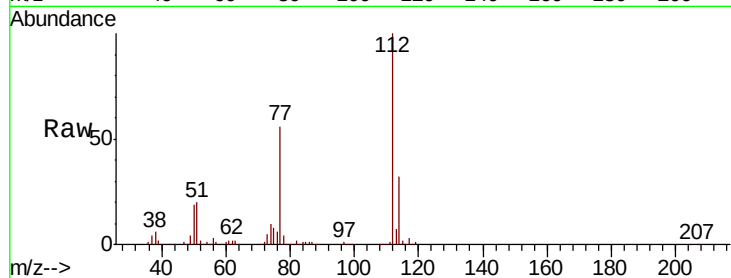
Tot Ion:112 Resp: 305485

Ion Ratio Lower Upper

112 100

114 31.9 22.9 42.5

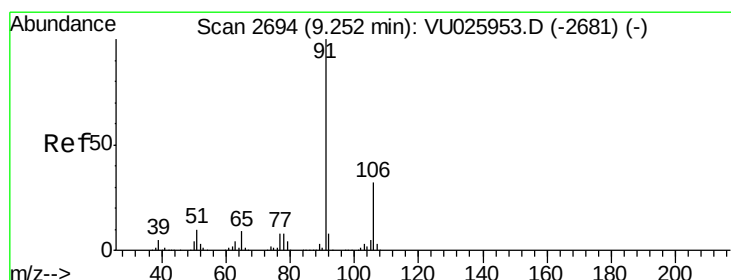
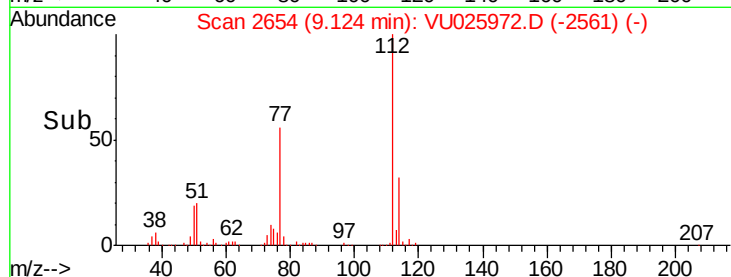
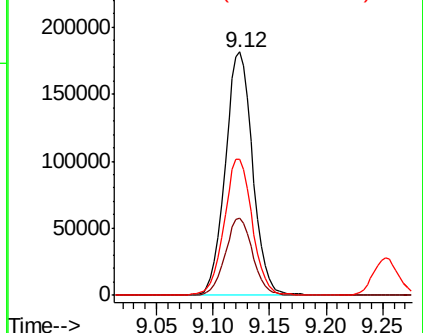
77 56.1 46.6 70.0



Abundance Ion 112.00 (111.70 to 112.70): V

Ion 114.00 (113.70 to 114.70): V

Ion 77.00 (76.70 to 77.70): VU0



#52

Ethylbenzene

Concen: 52.502 ug/L

RT: 9.25 min Scan# 2694

Delta R.T. 0.00 min

Lab File: VU025972.D

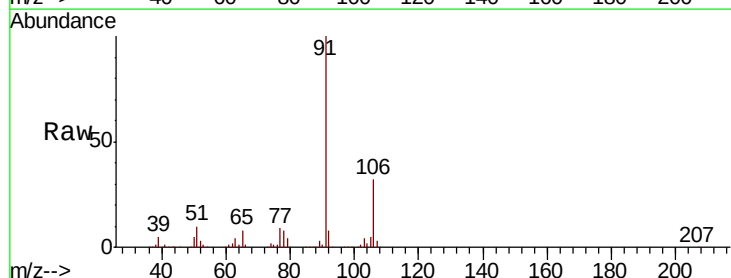
Acq: 08 Aug 2018 12:11

Tgt Ion: 91 Resp: 508148

Ion Ratio Lower Upper

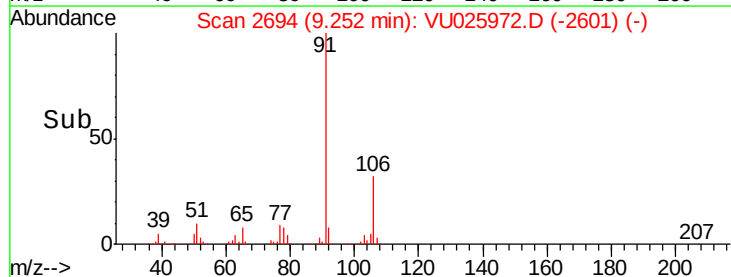
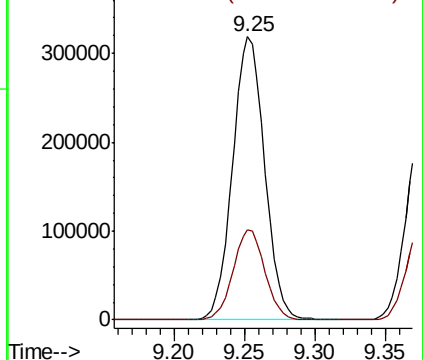
91 100

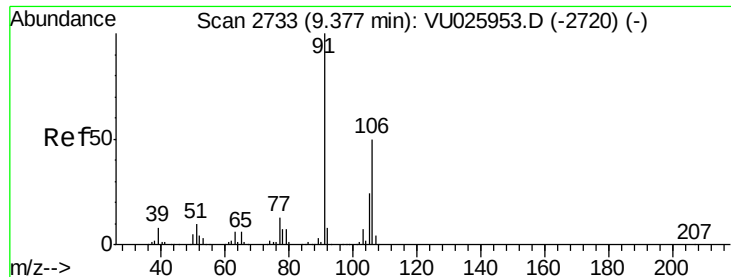
106 31.9 22.1 41.1



Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 106.00 (105.70 to 106.70): V





#53

m,p-Xylene

Concen: 52.253 ug/L

RT: 9.38 min Scan# 2733

Delta R.T. 0.00 min

Lab File: VU025972.D

Acq: 08 Aug 2018 12:11

Instrument :

MSVOA_U

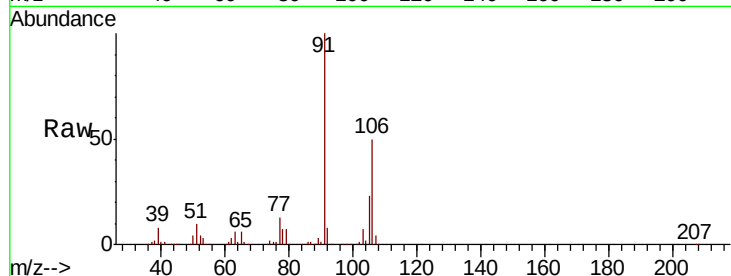
ClientSampled :

Tot Ion:106 Resp: 198395

Ion Ratio Lower Upper

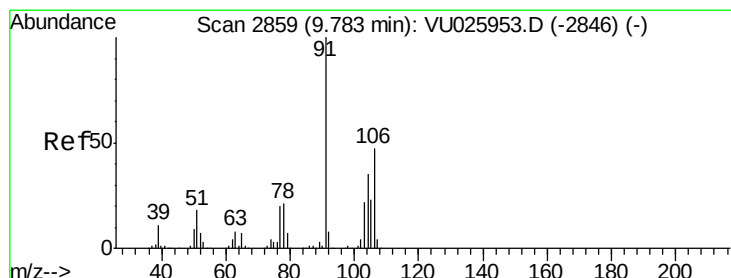
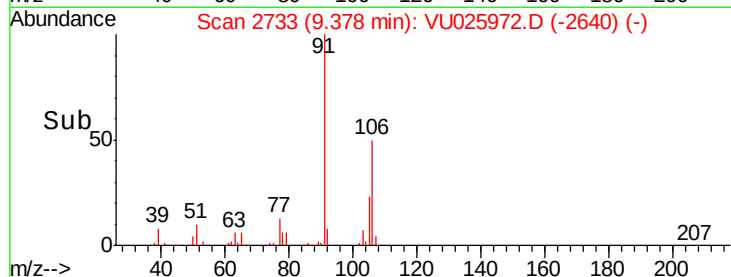
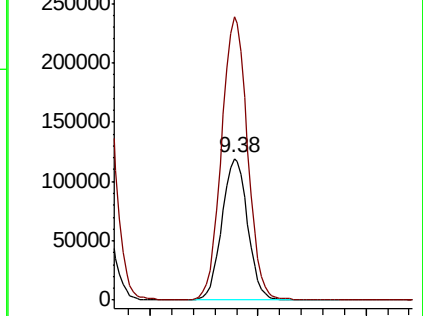
106 100

91 200.2 137.8 255.8



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0



#54

o-xylene

Concen: 55.418 ug/L

RT: 9.78 min Scan# 2859

Delta R.T. 0.00 min

Lab File: VU025972.D

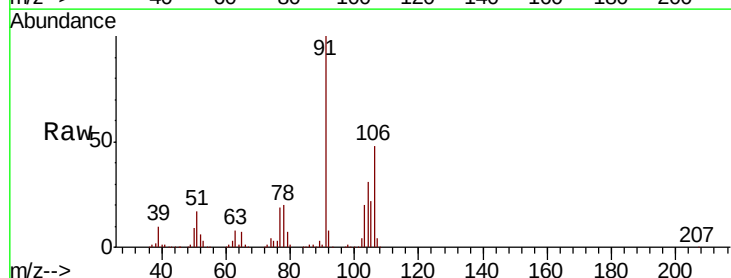
Acq: 08 Aug 2018 12:11

Tgt Ion:106 Resp: 200358

Ion Ratio Lower Upper

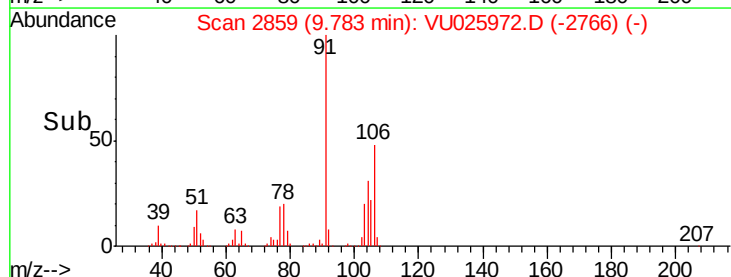
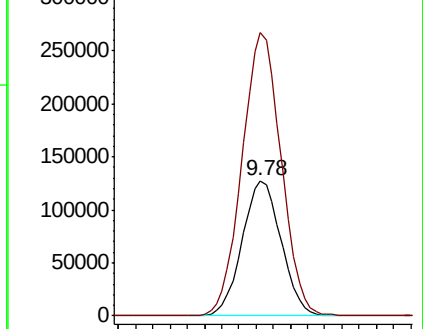
106 100

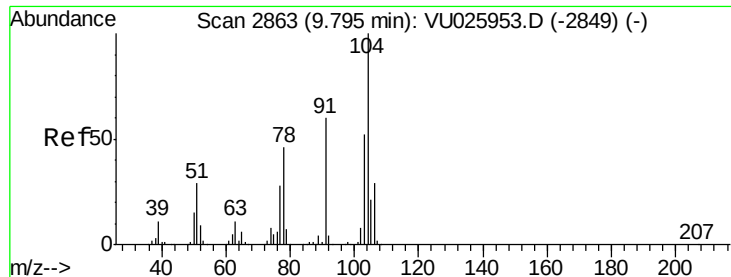
91 208.9 150.1 278.9



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0

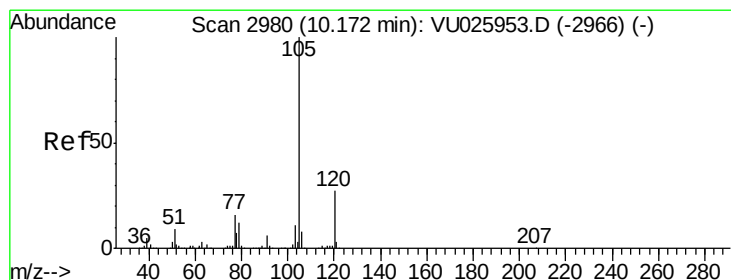
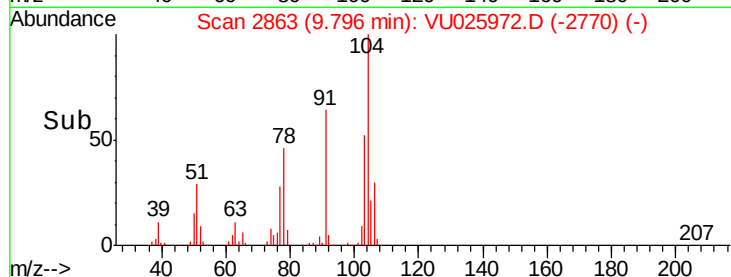
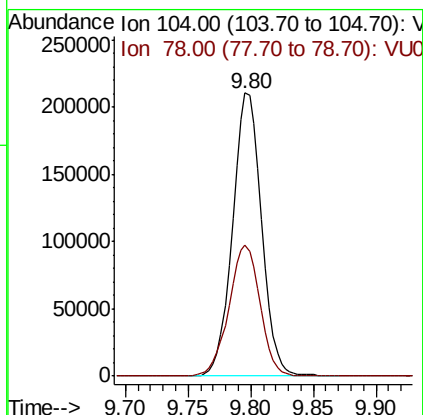
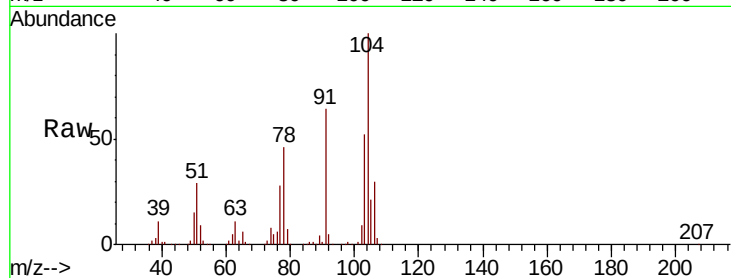




#55
Stvrene
Concen: 55.305 ug/L
RT: 9.80 min Scan# 2863
Delta R.T. 0.00 min
Lab File: VU025972.D
Acq: 08 Aug 2018 12:11

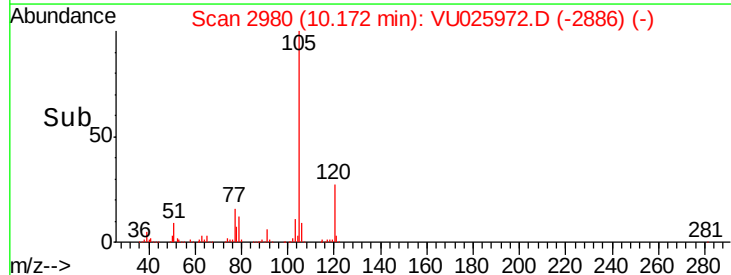
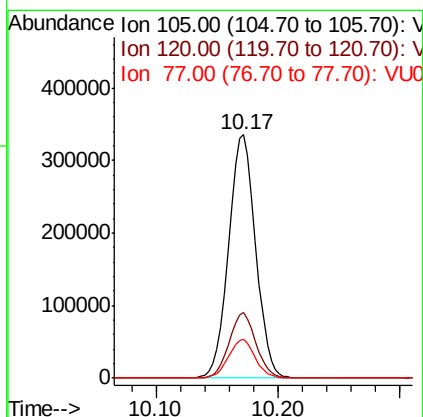
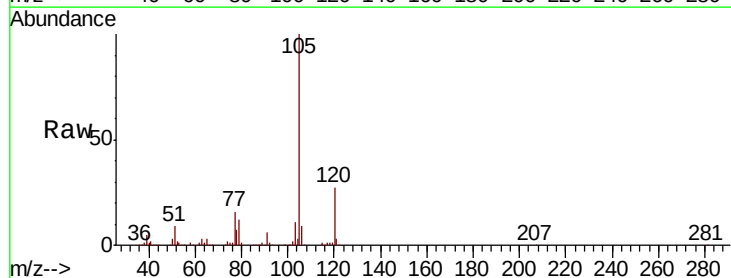
Instrument :
MSVOA_U
ClientSampled :

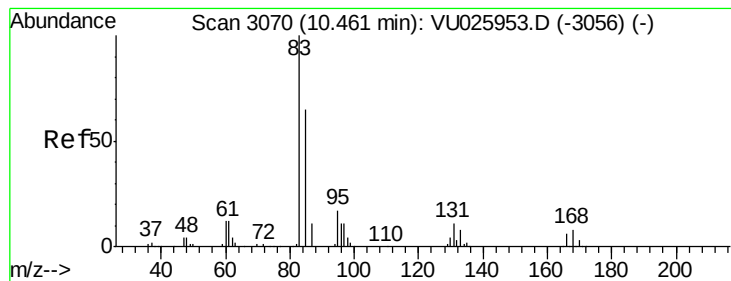
Tot Ion:104 Resp: 336906
Ion Ratio Lower Upper
104 100
78 46.2 32.3 59.9



#56
Isopropylbenzene
Concen: 53.960 ug/L
RT: 10.17 min Scan# 2980
Delta R.T. 0.00 min
Lab File: VU025972.D
Acq: 08 Aug 2018 12:11

Tgt Ion:105 Resp: 518496
Ion Ratio Lower Upper
105 100
120 26.6 21.7 32.5
77 15.8 12.1 18.1





#58

1,1,2,2-Tetrachloroethane

Concen: 61.603 ug/L

RT: 10.46 min Scan# 3071

Delta R.T. 0.00 min

Lab File: VU025972.D

Acq: 08 Aug 2018 12:11

Instrument :

MSVOA_U

ClientSampleId :

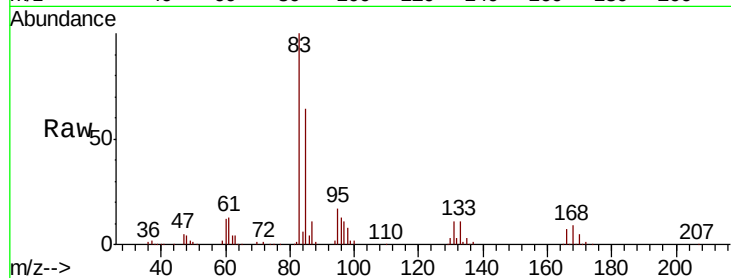
Tot Ion: 83 Resp: 206038

Ion Ratio Lower Upper

83 100

85 64.0 44.5 82.7

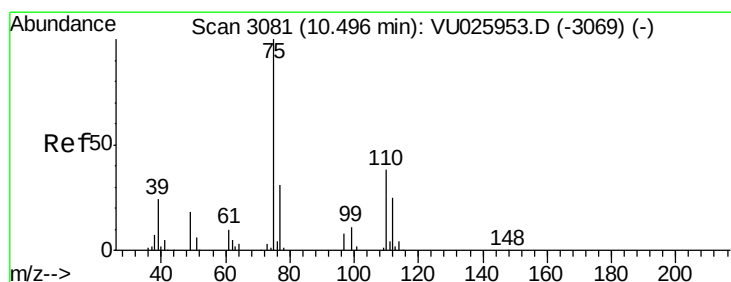
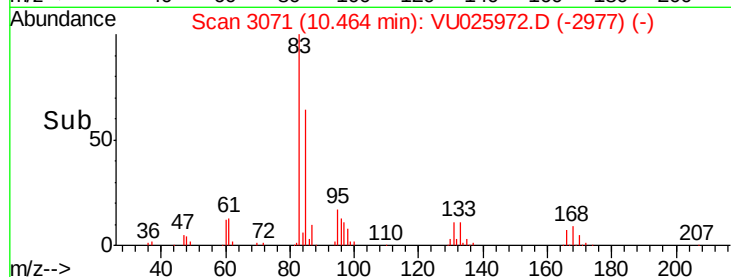
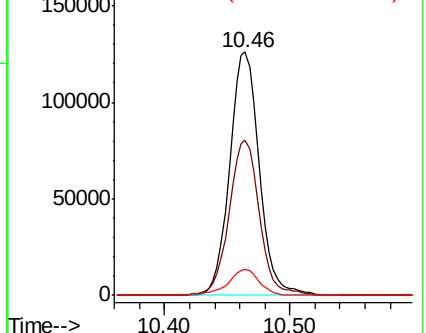
131 10.8 8.6 12.8



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: 60.225 ug/L

RT: 10.50 min Scan# 3082

Delta R.T. 0.00 min

Lab File: VU025972.D

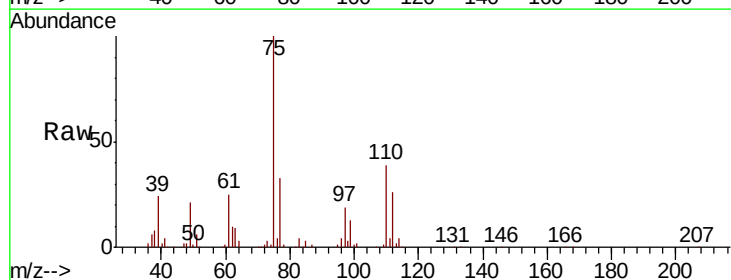
Acq: 08 Aug 2018 12:11

Tgt Ion: 75 Resp: 159637

Ion Ratio Lower Upper

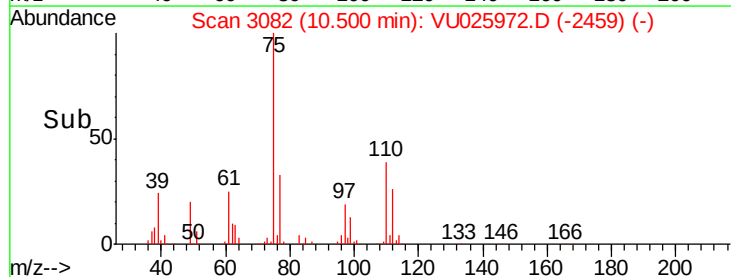
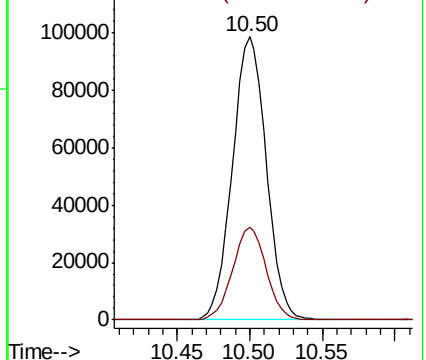
75 100

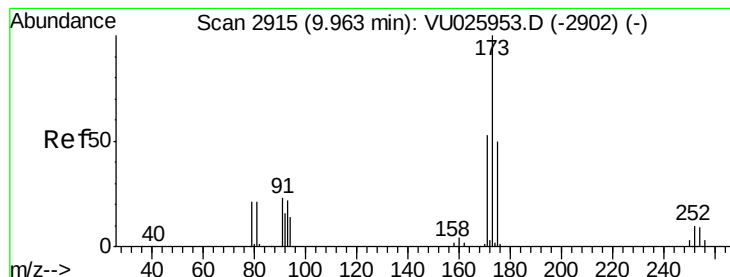
77 32.4 25.5 38.3



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0





#61

Bromoform

Concen: 58.397 ug/L

RT: 9.97 min Scan# 2916

Delta R.T. 0.00 min

Lab File: VU025972.D

Acq: 08 Aug 2018 12:11

Instrument :
MSVOA_U
ClientSampled :

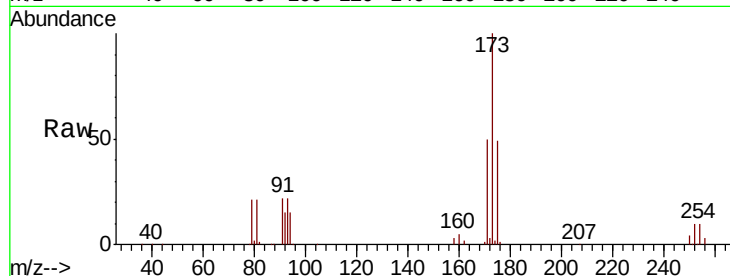
Tot Ion:173 Resp: 108076

Ion Ratio Lower Upper

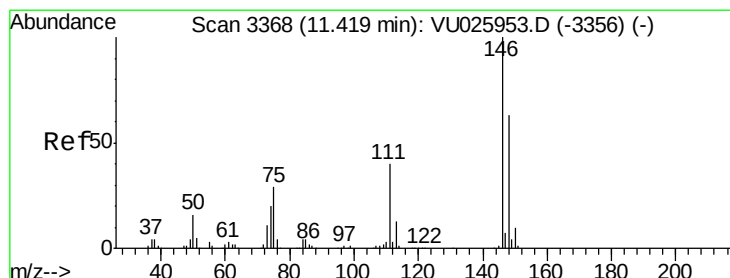
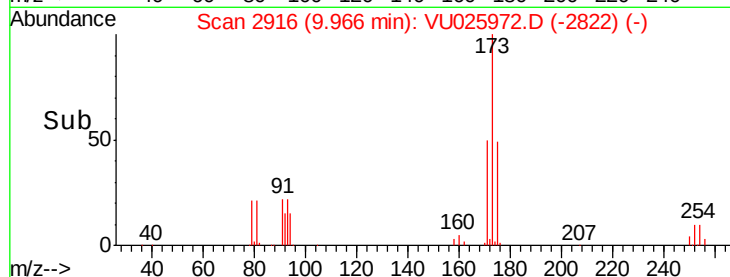
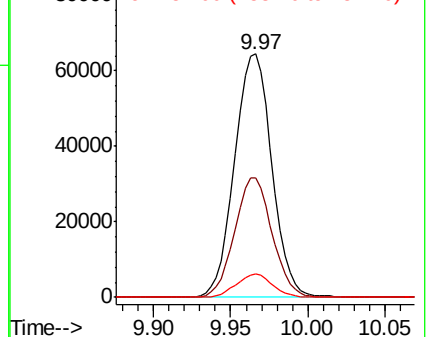
173 100

175 49.0 38.8 58.2

254 9.3 8.0 12.0



Abundance Ion 173.00 (172.70 to 173.70): V
Ion 175.00 (174.70 to 175.70): V
Ion 254.00 (253.70 to 254.70): V



#62

1,3-Dichlorobenzene

Concen: 53.529 ug/L

RT: 11.42 min Scan# 3369

Delta R.T. 0.00 min

Lab File: VU025972.D

Acq: 08 Aug 2018 12:11

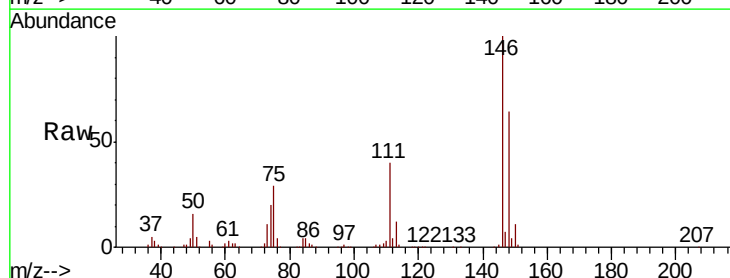
Tgt Ion:146 Resp: 259547

Ion Ratio Lower Upper

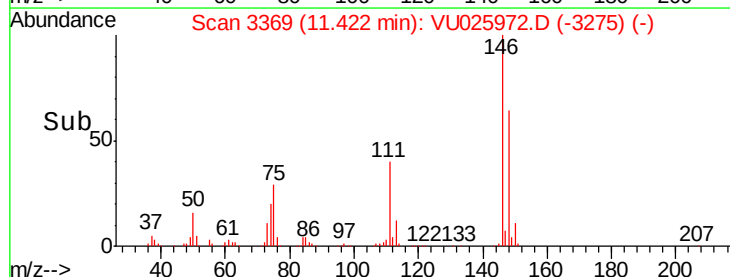
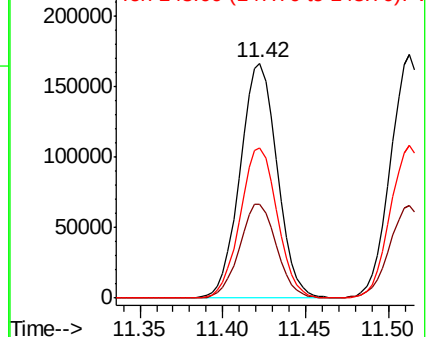
146 100

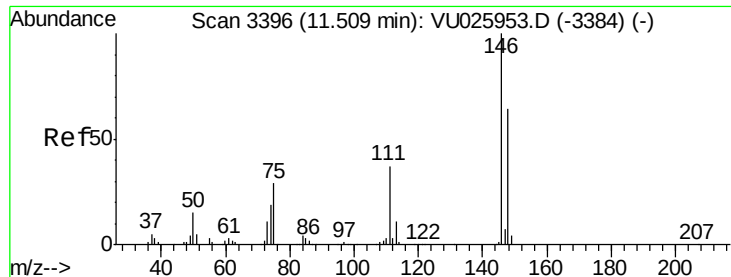
111 39.8 27.5 51.1

148 64.2 44.6 82.8



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

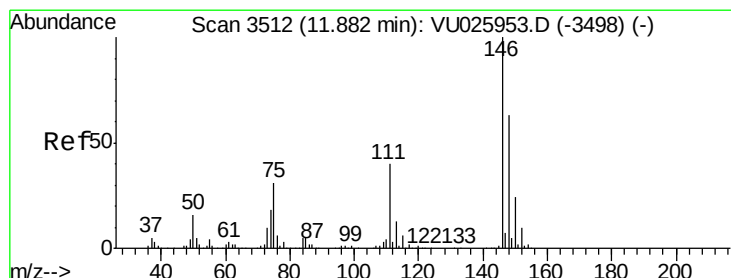
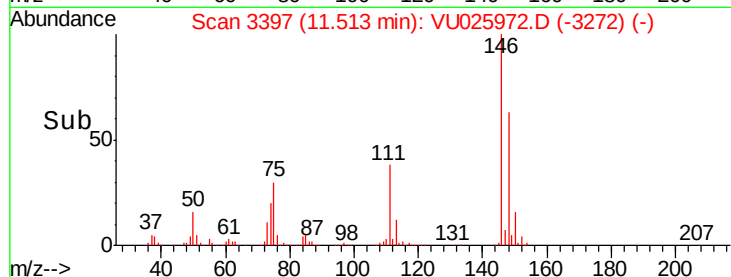
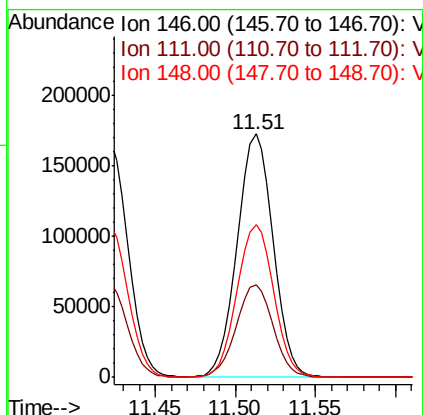
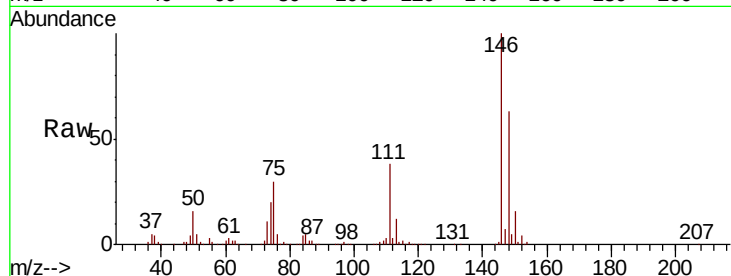




#63
 1,4-Dichlorobenzene
 Concen: 53.629 ug/L
 RT: 11.51 min Scan# 3397
 Delta R.T. 0.00 min
 Lab File: VU025972.D
 Acq: 08 Aug 2018 12:11

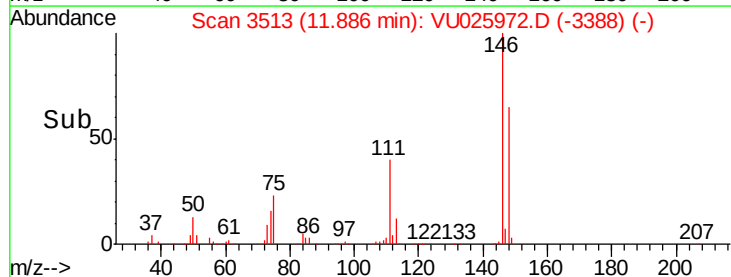
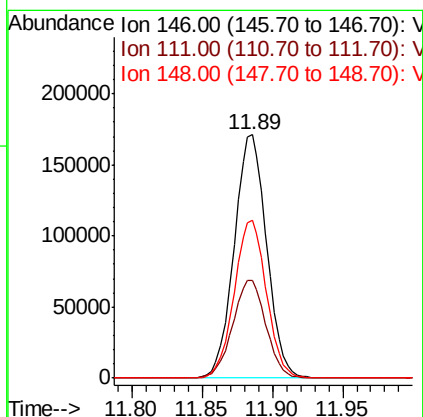
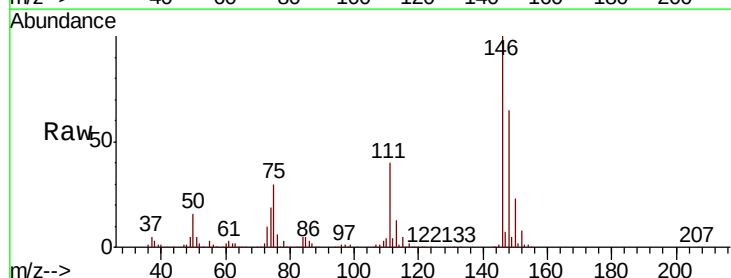
Instrument :
 MSVOA_U
 ClientSampled :

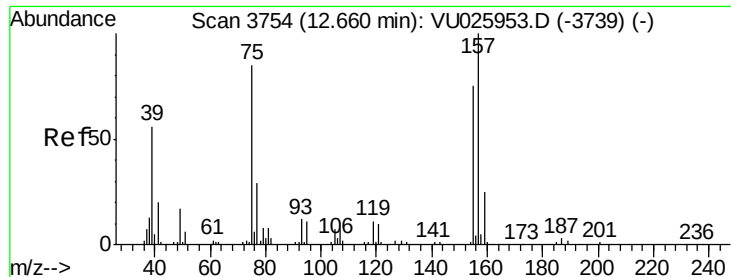
Tot Ion	Ratio	Lower	Upper
146	100		
111	38.0	26.7	49.7
148	62.7	45.2	84.0



#65
 1,2-Dichlorobenzene
 Concen: 56.731 ug/L
 RT: 11.89 min Scan# 3513
 Delta R.T. 0.00 min
 Lab File: VU025972.D
 Acq: 08 Aug 2018 12:11

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.2	33.4	50.0
148	64.7	51.8	77.8

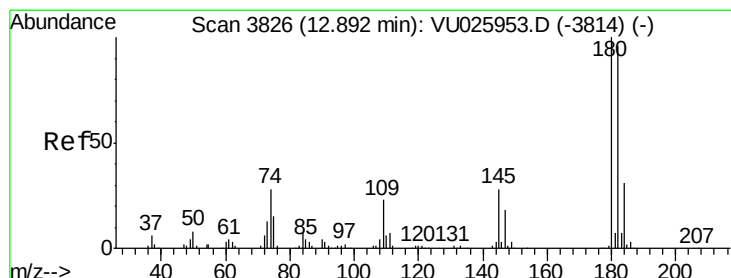
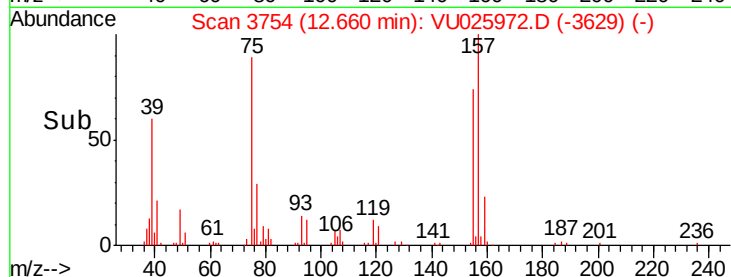
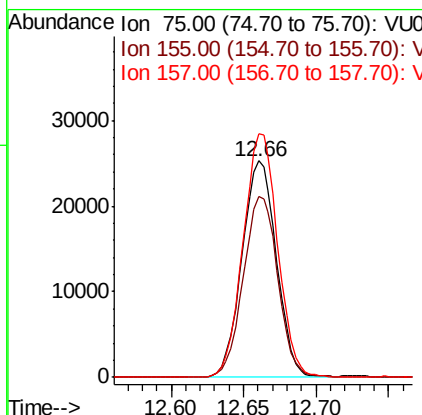
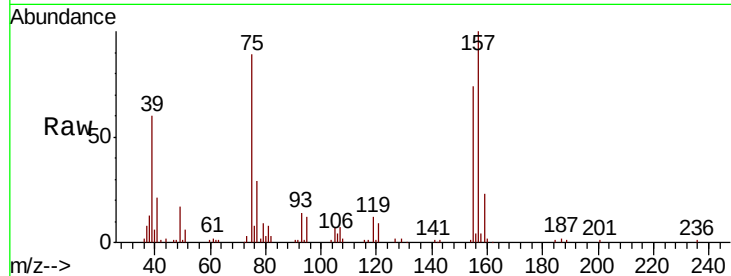




#66
 1,2-Dibromo-3-chloropropane
 Concen: 56.640 ug/L
 RT: 12.66 min Scan# 3754
 Delta R.T. 0.00 min
 Lab File: VU025972.D
 Acq: 08 Aug 2018 12:11

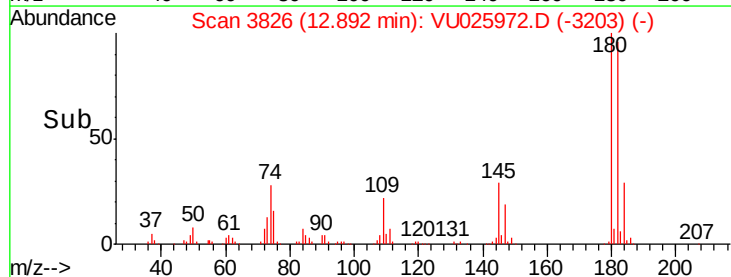
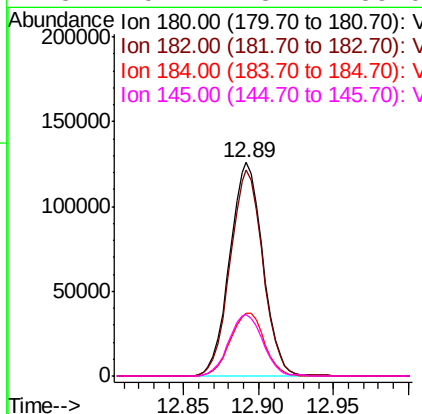
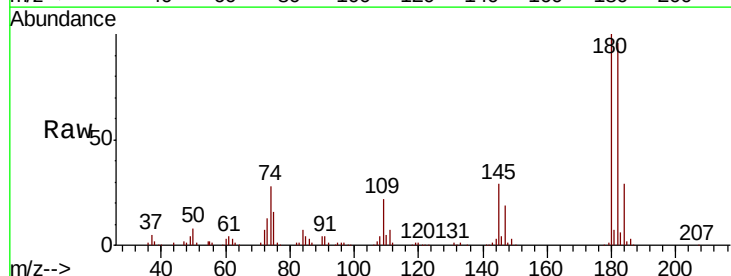
Instrument :
 MSVOA_U
 ClientSampleId :

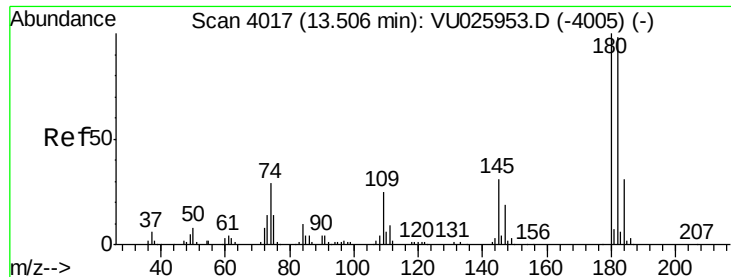
Tot Ion: 75 Resp: 41848
 Ion Ratio Lower Upper
 75 100
 155 83.5 71.4 107.2
 157 112.6 92.0 138.0



#67
 1,3,5-Trichlorobenzene
 Concen: 54.251 ug/L
 RT: 12.89 min Scan# 3826
 Delta R.T. 0.00 min
 Lab File: VU025972.D
 Acq: 08 Aug 2018 12:11

Tgt Ion:180 Resp: 193830
 Ion Ratio Lower Upper
 180 100
 182 95.5 77.8 116.6
 184 30.4 24.6 37.0
 145 29.7 23.4 35.0

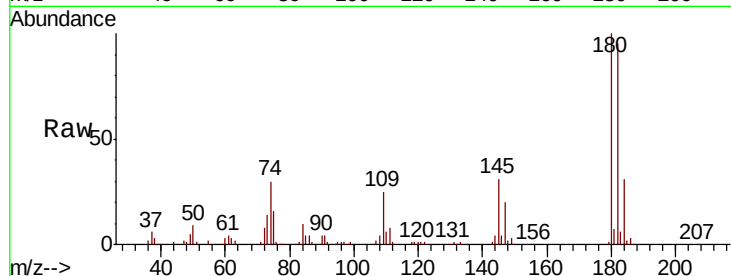




#68
 1,2,4-trichlorobenzene
 Concen: 48.694 ug/L
 RT: 13.51 min Scan# 4017
 Delta R.T. 0.00 min
 Lab File: VU025972.D
 Acq: 08 Aug 2018 12:11

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.1	75.3	112.9
145	29.9	23.1	34.7

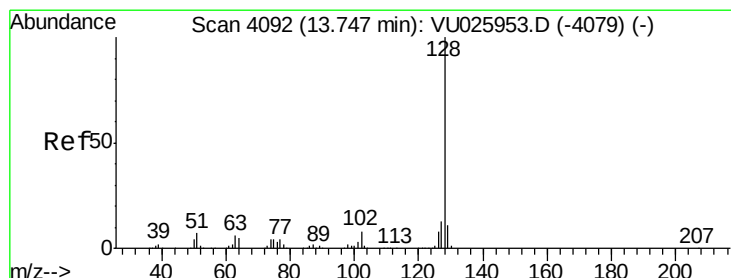
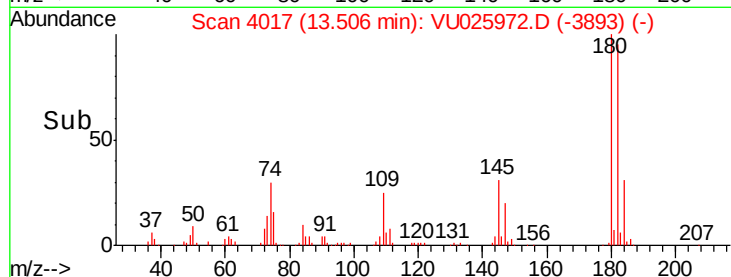
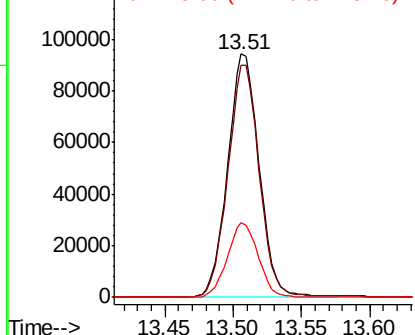


Abundance

Ion 180.00 (179.70 to 180.70): V

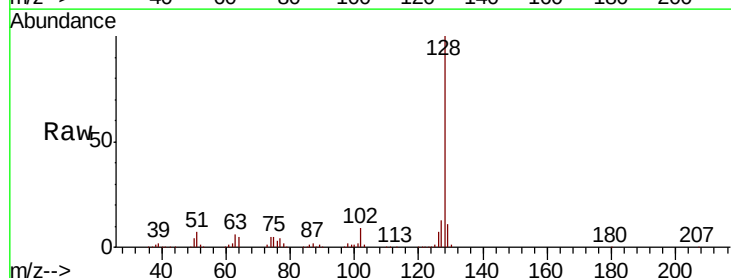
Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V



#69
 Naphthalene
 Concen: 48.524 ug/L
 RT: 13.75 min Scan# 4092
 Delta R.T. 0.00 min
 Lab File: VU025972.D
 Acq: 08 Aug 2018 12:11

Tgt Ion	Ratio	Lower	Upper
128	100		
127	13.0	9.8	14.8
129	10.8	8.5	12.7

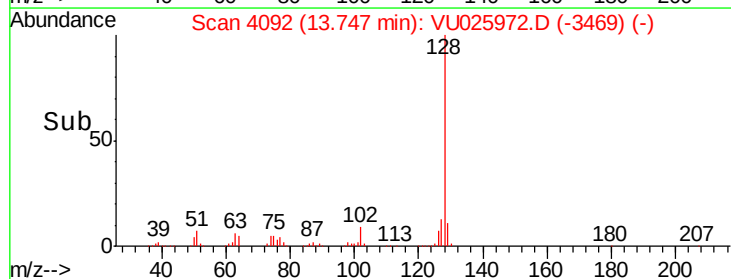
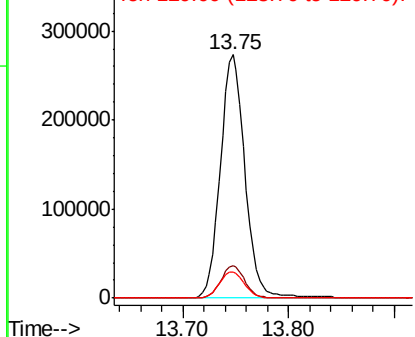


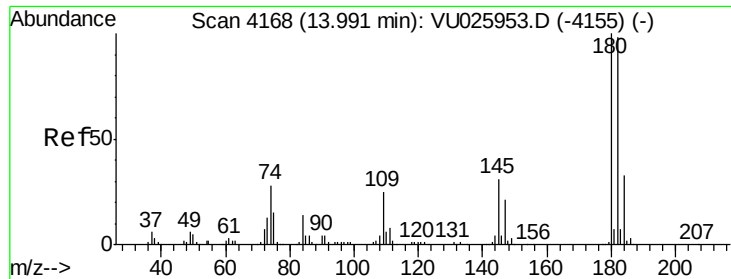
Abundance

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: 48.743 ug/L
 RT: 13.99 min Scan# 4168
 Delta R.T. 0.00 min
 Lab File: VU025972.D
 Acq: 08 Aug 2018 12:11

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion	Ion	Ratio	Lower	Upper
180	100			
182	96.9	77.6	116.4	
145	32.4	25.3	37.9	

