

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU081318\
 Data File : VU026054.D
 Acq On : 13 Aug 2018 08:33
 Operator : MD/SY
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Aug 14 01:09:58 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM080918WMA.M
 Quant Title : VOC Analysis
 QLast Update : Sat Aug 11 00:58:27 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.89	114	298638	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	281254	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.49	152	146149	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	106029	48.57	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	97.14%
7) Chloroethane-d5	1.68	69	85914	49.64	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	99.28%
11) 1,1-Dichloroethene-d2	2.28	63	199331	48.06	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	96.12%
21) 2-Butanone-d5	4.17	46	147877	81.28	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	81.28%
24) Chloroform-d	4.65	84	225900	48.80	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	97.60%
26) 1,2-Dichloroethane-d4	5.31	65	148321	47.43	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.86%
32) Benzene-d6	5.34	84	437358	50.08	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	100.16%
36) 1,2-Dichloropropane-d6	6.33	67	139451	49.35	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	98.70%
41) Toluene-d8	7.57	98	416636	49.86	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	99.72%
43) trans-1,3-Dichloropropene-	7.85	79	71695	50.35	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	100.70%
47) 2-Hexanone-d5	8.31	63	106059	82.63	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	82.63%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	189642	45.89	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	91.78%
64) 1,2-Dichlorobenzene-d4	11.86	152	176643	49.03	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	98.06%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	1.20	85	128930	49.555	ug/L	98
3) Chloromethane	1.33	50	111271	47.663	ug/L	100
5) Vinyl chloride	1.40	62	111437	49.469	ug/L	97
6) Bromomethane	1.62	94	64826	53.817	ug/L	97
8) Chloroethane	1.70	64	67289	49.710	ug/L	100
9) Trichlorofluoromethane	1.89	101	163536	50.741	ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.29	101	90287	48.158	ug/L	99
12) 1,1-Dichloroethene	2.28	96	81479	47.257	ug/L	95
13) Acetone	2.32	43	144789	128.108	ug/L	99
14) Carbon disulfide	2.48	76	282368	49.779	ug/L	99
15) Methyl Acetate	2.61	43	102276	43.202	ug/L	99
16) Methylene chloride	2.70	84	105136	47.764	ug/L	97
17) trans-1,2-Dichloroethene	2.98	96	95085	49.495	ug/L	95
18) Methyl tert-butyl Ether	3.00	73	306715	48.582	ug/L	99
19) 1,1-Dichloroethane	3.45	63	183163	49.157	ug/L	98
20) cis-1,2-Dichloroethene	4.23	96	109476	49.527	ug/L	97
22) 2-Butanone	4.26	43	164260	100.444	ug/L	99

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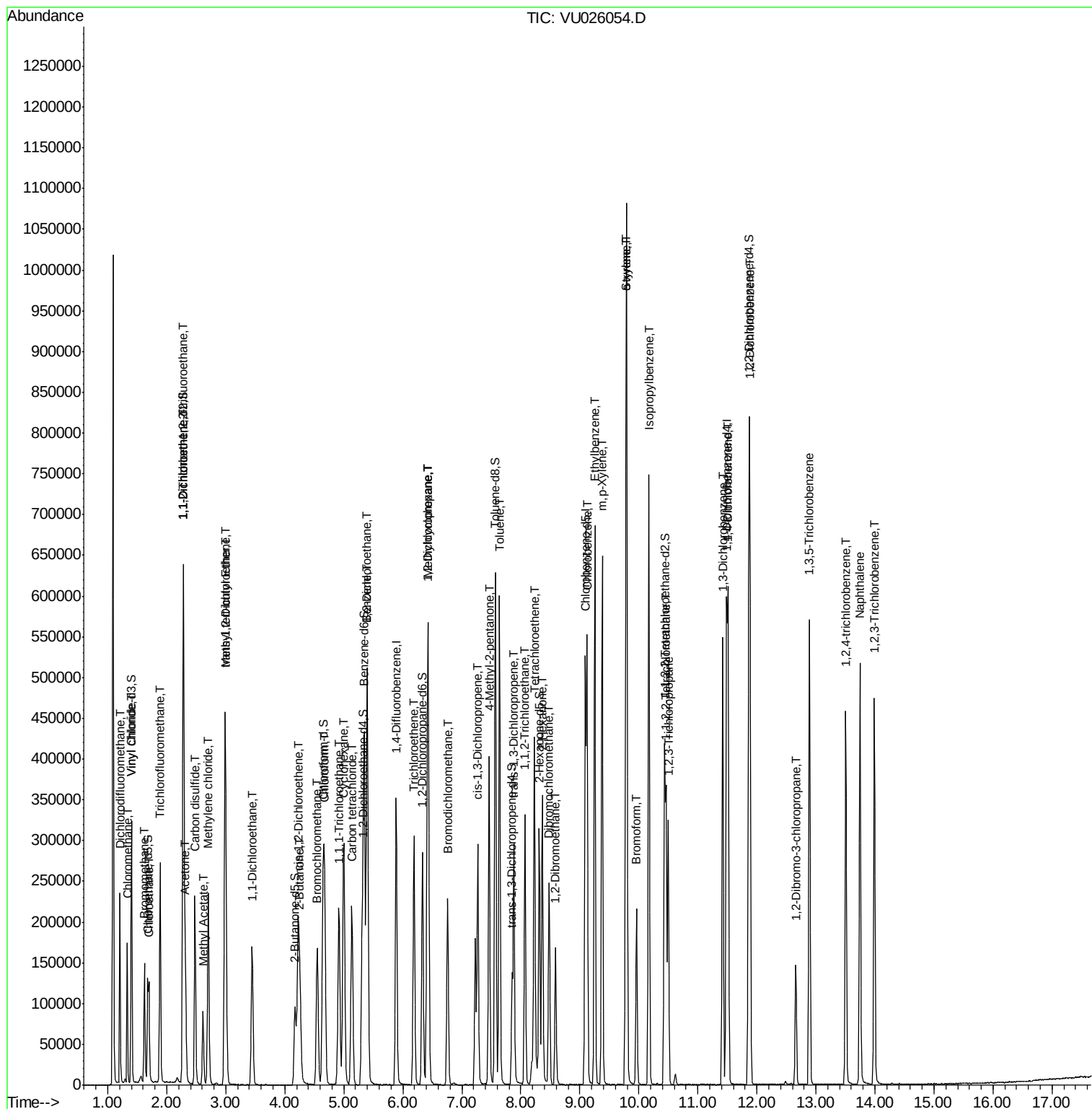
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.55	128	58156	49.397	uq/L	100
25) Chloroform	4.67	83	195750	50.450	uq/L	98
27) 1,2-Dichloroethane	5.40	62	152847	47.695	uq/L	99
29) Cyclohexane	5.00	56	156964	49.934	uq/L	98
30) 1,1,1-Trichloroethane	4.91	97	173564	48.910	uq/L	100
31) Carbon tetrachloride	5.14	117	162970	50.292	uq/L	99
33) Benzene	5.39	78	402668	50.266	uq/L	100
34) Trichloroethene	6.19	95	106010	50.655	uq/L	99
35) Methylcyclohexane	6.42	83	171036	53.525	uq/L	99
37) 1,2-Dichloropropane	6.44	63	109739	50.066	uq/L	100
38) Bromodichloromethane	6.76	83	150728	51.616	uq/L	99
39) cis-1,3-Dichloropropene	7.27	75	168106	50.604	uq/L	99
40) 4-Methyl-2-pentanone	7.46	43	262801	87.261	uq/L	99
42) Toluene	7.64	91	432801	50.901	uq/L	98
44) trans-1,3-Dichloropropene	7.88	75	161810	51.174	uq/L	99
45) 1,1,2-Trichloroethane	8.07	97	101995	48.808	uq/L	99
46) Tetrachloroethene	8.23	164	92015	51.665	uq/L	99
48) 2-Hexanone	8.36	43	219838	93.696	uq/L	99
49) Dibromochloromethane	8.48	129	128326	50.925	uq/L	99
50) 1,2-Dibromoethane	8.59	107	109542	48.131	uq/L	100
51) Chlorobenzene	9.12	112	288726	50.361	uq/L	98
52) Ethylbenzene	9.25	91	474730	51.024	uq/L	99
53) m,p-Xylene	9.38	106	186482	52.453	uq/L	97
54) o-xylene	9.78	106	179949	50.999	uq/L	100
55) Styrene	9.79	104	310952	52.932	uq/L	99
56) Isopropylbenzene	10.17	105	478446	52.634	uq/L	100
58) 1,1,2,2-Tetrachloroethane	10.46	83	165472	46.591	uq/L	97
59) 1,2,3-Trichloropropane	10.50	75	130821	46.277	uq/L	98
61) Bromoform	9.96	173	97084	49.062	uq/L	99
62) 1,3-Dichlorobenzene	11.42	146	226299	49.737	uq/L	97
63) 1,4-Dichlorobenzene	11.51	146	231100	48.452	uq/L	100
65) 1,2-Dichlorobenzene	11.88	146	239287	49.409	uq/L	98
66) 1,2-Dibromo-3-chloropropan	12.66	75	36930	43.446	uq/L	91
67) 1,3,5-Trichlorobenzene	12.89	180	177576	52.220	uq/L	99
68) 1,2,4-trichlorobenzene	13.51	180	144001	50.076	uq/L	100
69) Naphthalene	13.74	128	415319	44.768	uq/L	100
70) 1,2,3-Trichlorobenzene	13.99	180	151153	48.905	uq/L	99

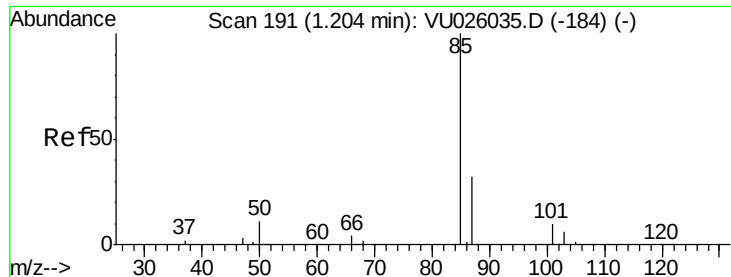
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 49.555 ug/L

RT: 1.20 min Scan# 191

Delta R.T. 0.00 min

Lab File: VU026054.D

Acq: 13 Aug 2018 08:33

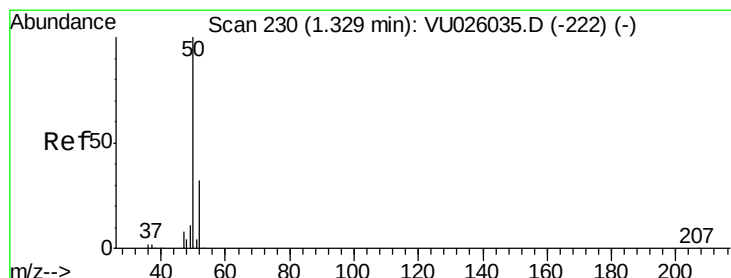
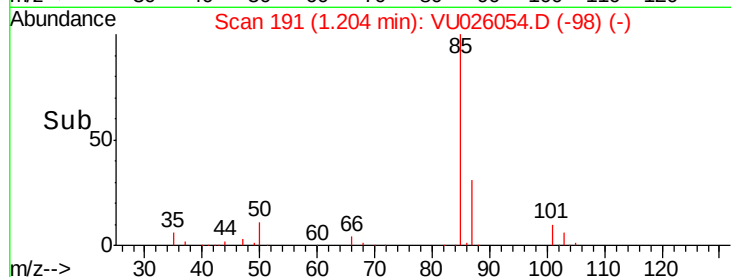
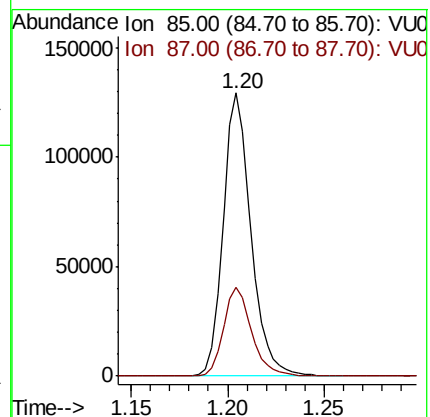
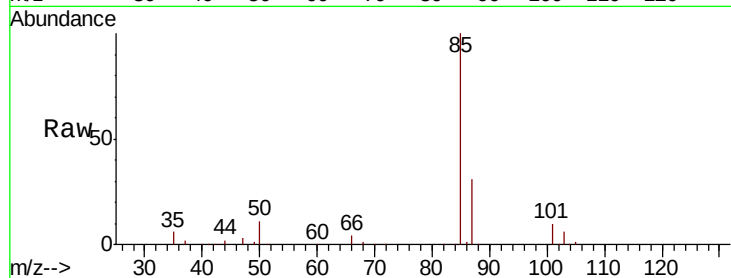
Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 85 Resp: 128930

Ion Ratio Lower Upper

85 100

87 31.7 26.1 39.1



#3

Chloromethane

Concen: 47.663 ug/L

RT: 1.33 min Scan# 230

Delta R.T. 0.00 min

Lab File: VU026054.D

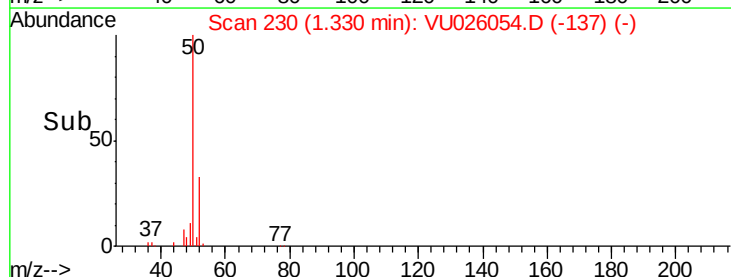
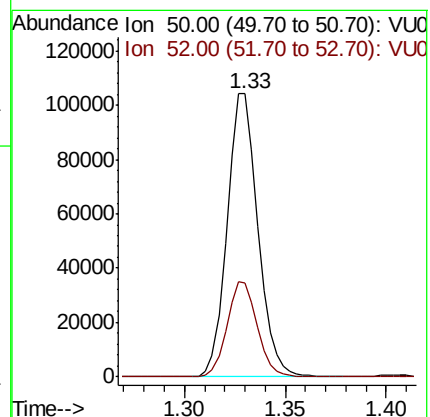
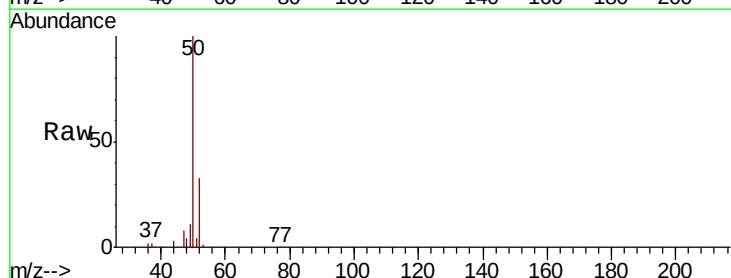
Acq: 13 Aug 2018 08:33

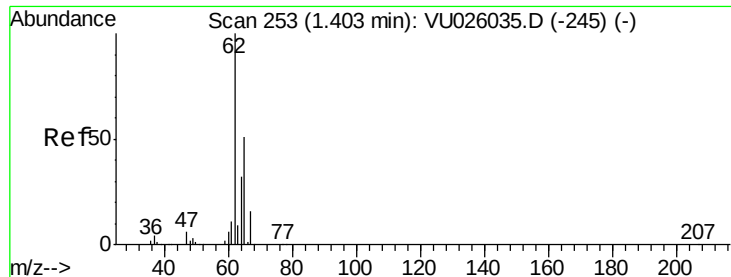
Tgt Ion: 50 Resp: 111271

Ion Ratio Lower Upper

50 100

52 33.2 23.4 43.4





#5

Vinyl chloride

Concen: 49.469 ug/L

RT: 1.40 min Scan# 253

Delta R.T. 0.00 min

Lab File: VU026054.D

Acq: 13 Aug 2018 08:33

Instrument :

MSVOA_U

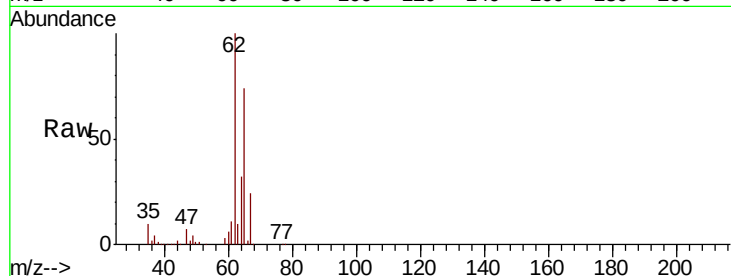
ClientSampled :

Tot Ion: 62 Resp: 111437

Ion Ratio Lower Upper

62 100

64 32.4 23.7 43.9



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 64.00 (63.70 to 64.70): VU0

1.40

120000

100000

80000

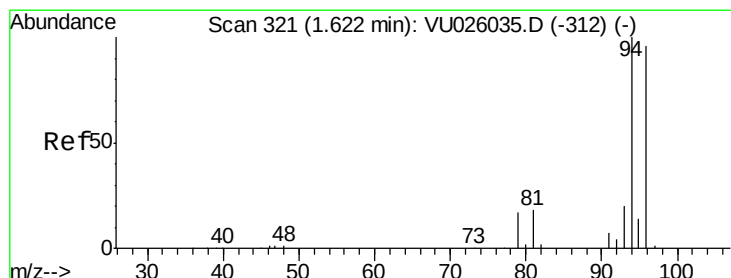
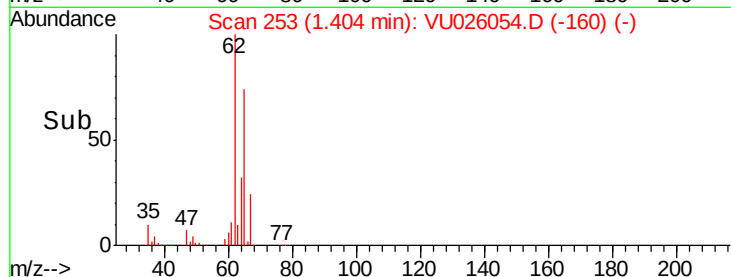
60000

40000

20000

0

Time--> 1.35 1.40 1.45



#6

Bromomethane

Concen: 53.817 ug/L

RT: 1.62 min Scan# 321

Delta R.T. 0.00 min

Lab File: VU026054.D

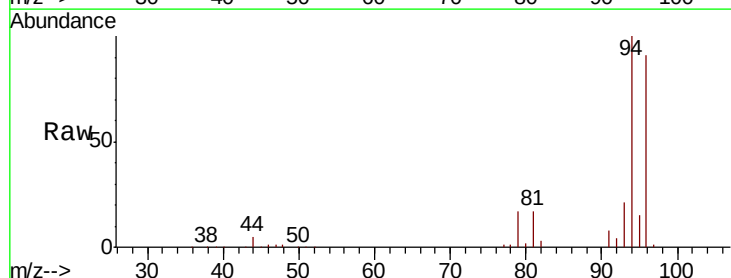
Acq: 13 Aug 2018 08:33

Tgt Ion: 94 Resp: 64826

Ion Ratio Lower Upper

94 100

96 90.8 65.6 121.8



Abundance Ion 94.00 (93.70 to 94.70): VU0

Ion 96.00 (95.70 to 96.70): VU0

1.62

60000

50000

40000

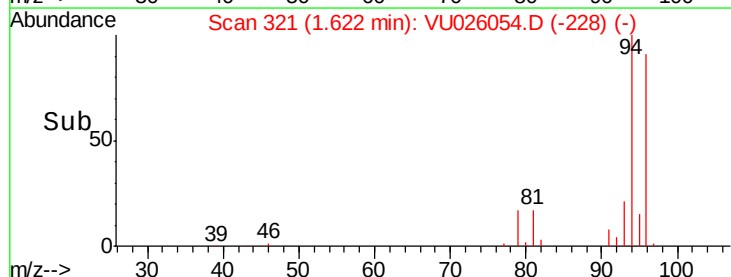
30000

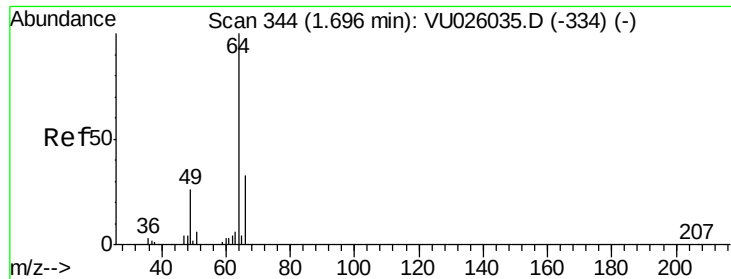
20000

10000

0

Time--> 1.55 1.60 1.65 1.70

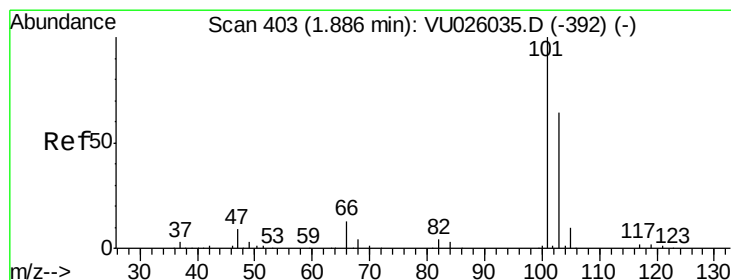
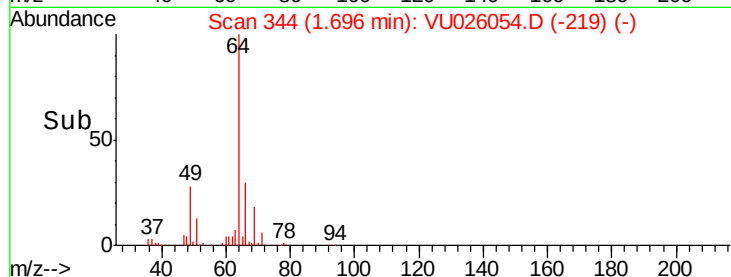
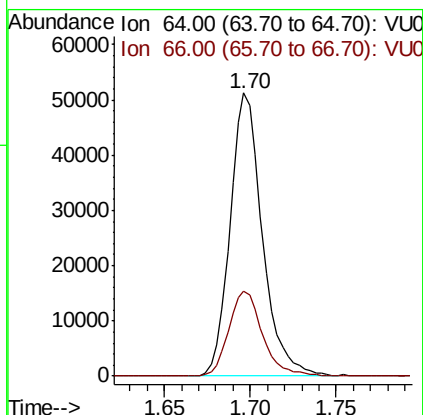
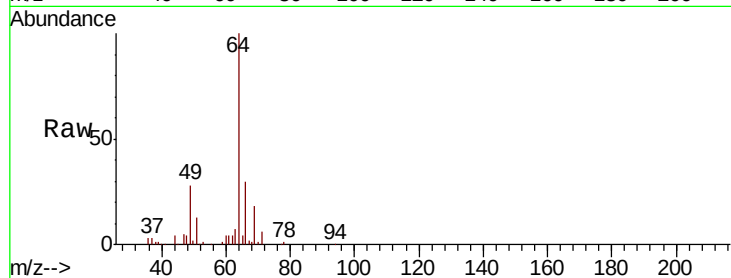




#8
Chloroethane
Concen: 49.710 ug/L
RT: 1.70 min Scan# 344
Delta R.T. 0.00 min
Lab File: VU026054.D
Acq: 13 Aug 2018 08:33

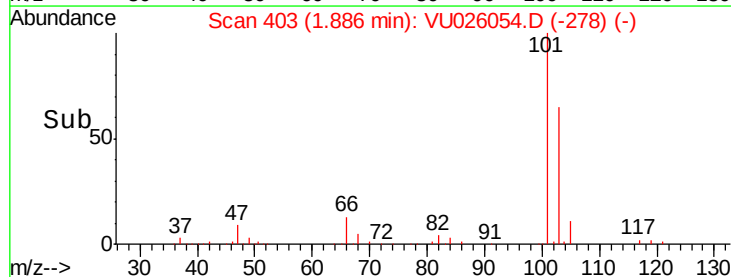
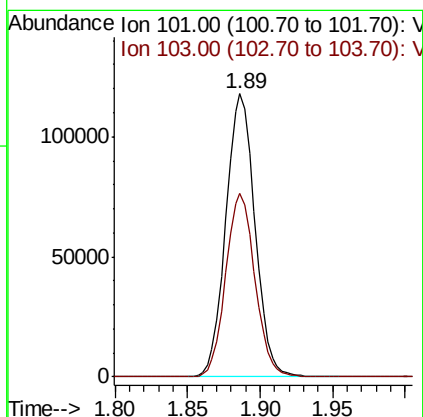
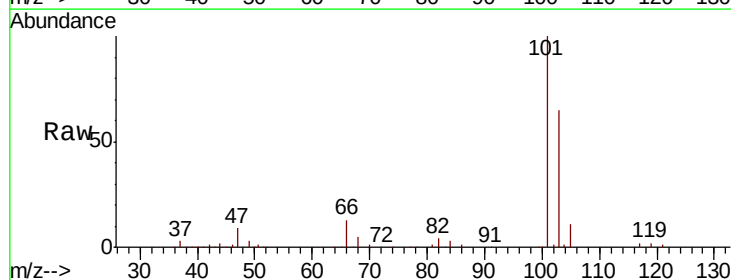
Instrument :
MSVOA_U
ClientSampleId :

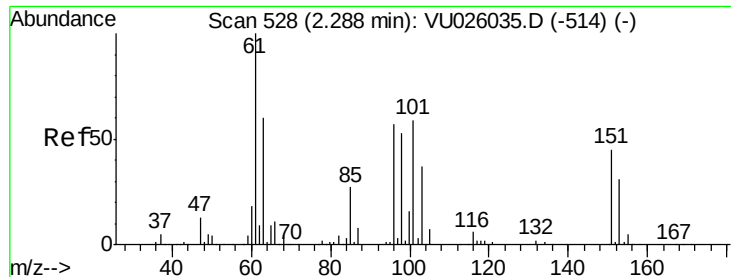
Tot Ion: 64 Resp: 67289
Ion Ratio Lower Upper
64 100
66 30.1 21.2 39.4



#9
Trichlorofluoromethane
Concen: 50.741 ug/L
RT: 1.89 min Scan# 403
Delta R.T. 0.00 min
Lab File: VU026054.D
Acq: 13 Aug 2018 08:33

Tgt Ion:101 Resp: 163536
Ion Ratio Lower Upper
101 100
103 65.0 52.7 79.1





#10

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

Concen: 48.158 ug/L

RT: 2.29 min Scan# 528

Delta R.T. 0.00 min

Lab File: VU026054.D

Acq: 13 Aug 2018 08:33

Instrument :

MSVOA_U

ClientSampleId :

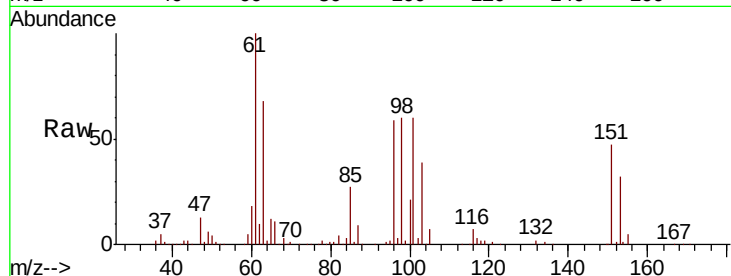
Tot Ion:101 Resp: 90287

Ion Ratio Lower Upper

101 100

85 44.5 36.0 54.0

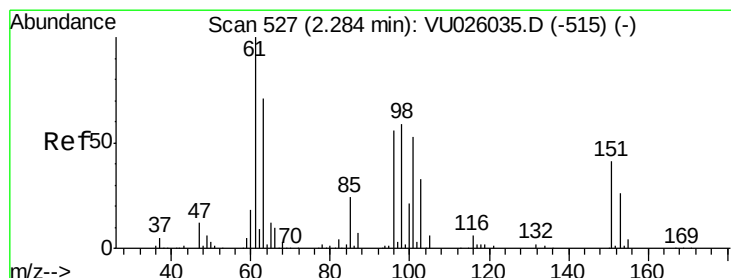
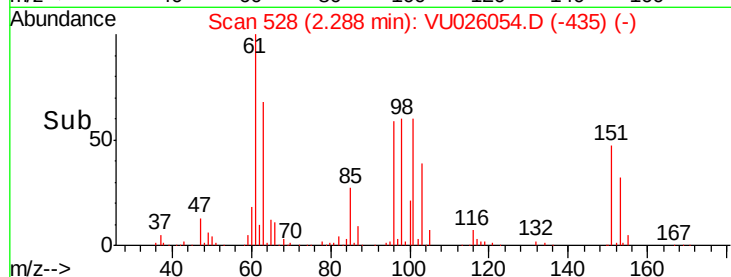
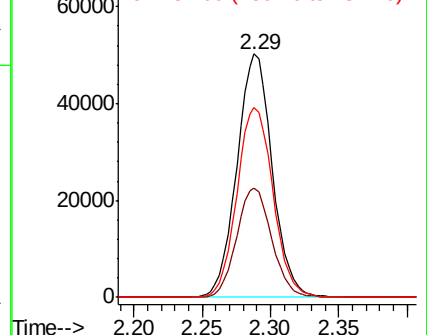
151 79.8 64.2 96.2



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: 47.257 ug/L

RT: 2.28 min Scan# 527

Delta R.T. 0.00 min

Lab File: VU026054.D

Acq: 13 Aug 2018 08:33

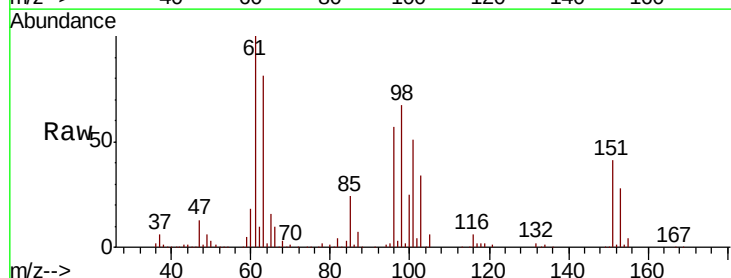
Tgt Ion: 96 Resp: 81479

Ion Ratio Lower Upper

96 100

61 174.9 121.2 225.2

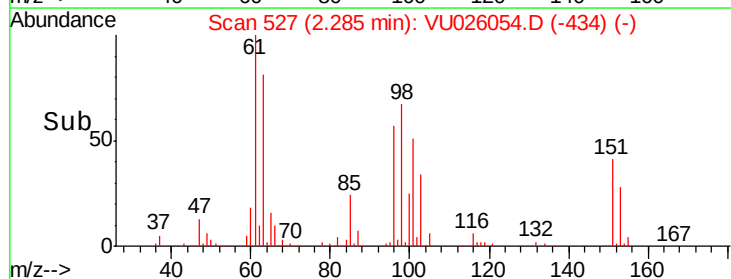
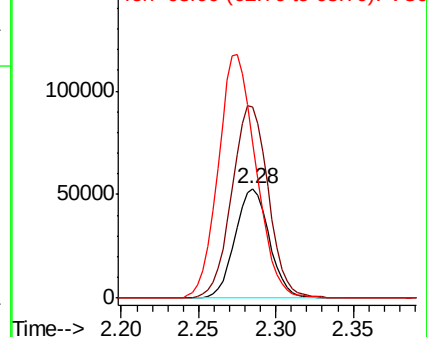
63 142.4 108.7 201.9

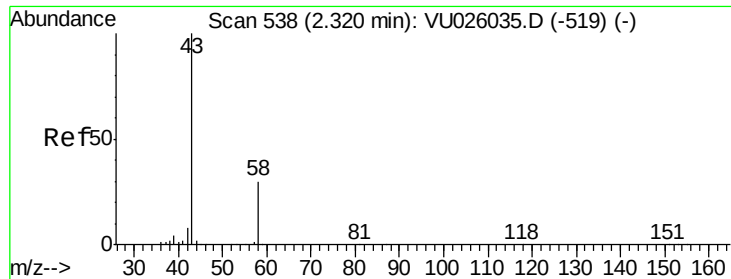


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 128.108 ug/L

RT: 2.32 min Scan# 537

Delta R.T. -0.00 min

Lab File: VU026054.D

Acq: 13 Aug 2018 08:33

Instrument :

MSVOA_U

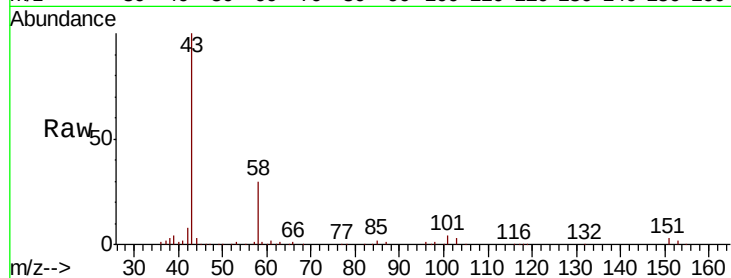
ClientSampleId :

Tot Ion: 43 Resp: 144789

Ion Ratio Lower Upper

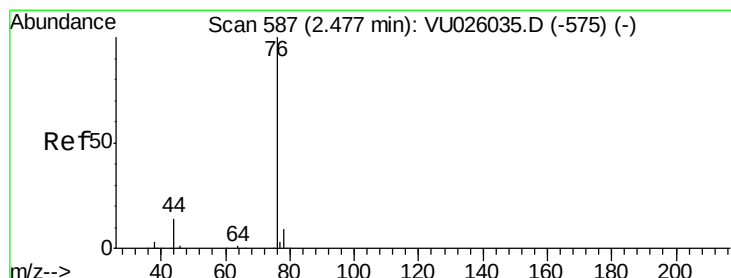
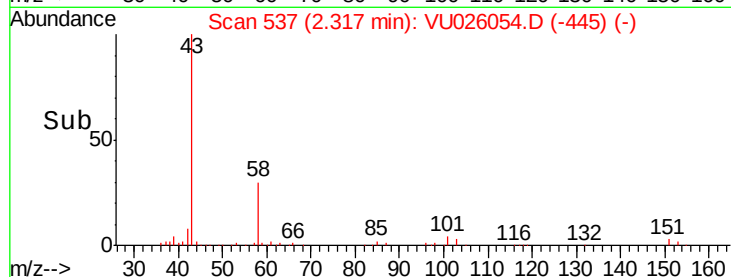
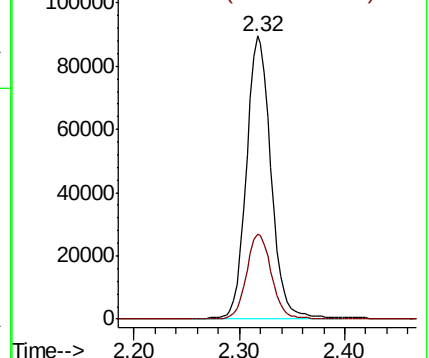
43 100

58 30.5 0.0 61.8



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0



#14

Carbon disulfide

Concen: 49.779 ug/L

RT: 2.48 min Scan# 587

Delta R.T. 0.00 min

Lab File: VU026054.D

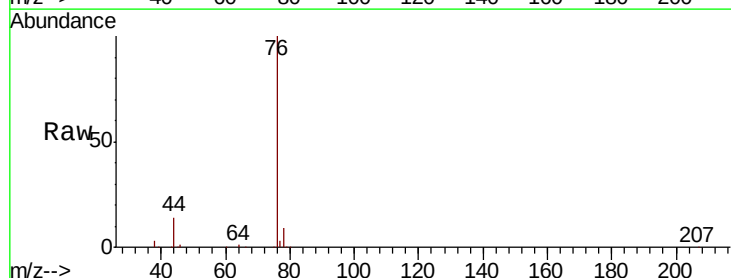
Acq: 13 Aug 2018 08:33

Tgt Ion: 76 Resp: 282368

Ion Ratio Lower Upper

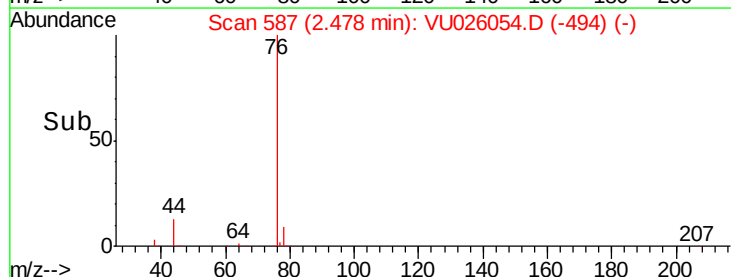
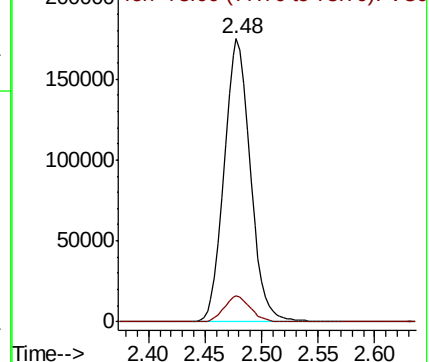
76 100

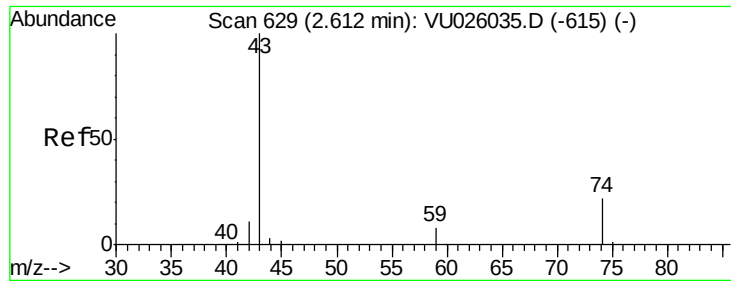
78 9.2 7.2 10.8



Abundance Ion 76.00 (75.70 to 76.70): VU0

Ion 78.00 (77.70 to 78.70): VU0

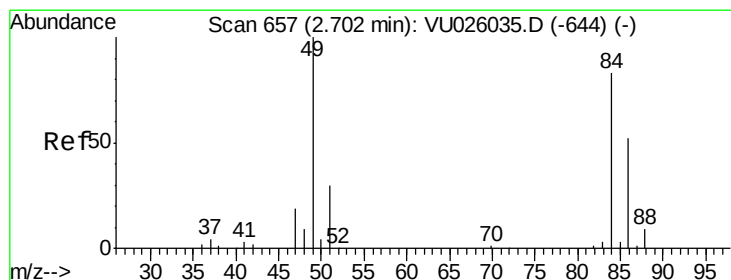
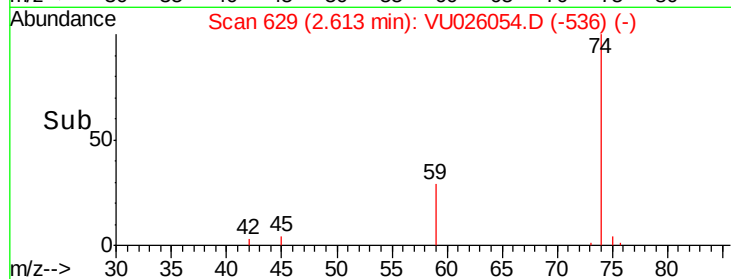
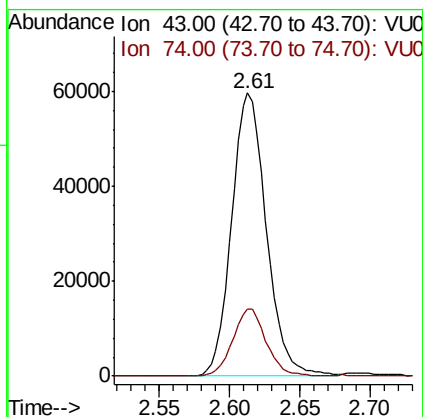
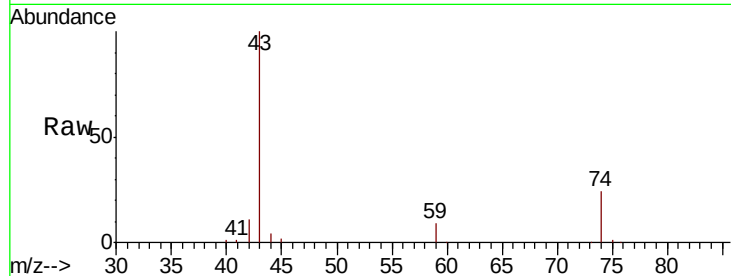




#15
Methvl Acetate
Concen: 43.202 ug/L
RT: 2.61 min Scan# 629
Delta R.T. 0.00 min
Lab File: VU026054.D
Acq: 13 Aug 2018 08:33

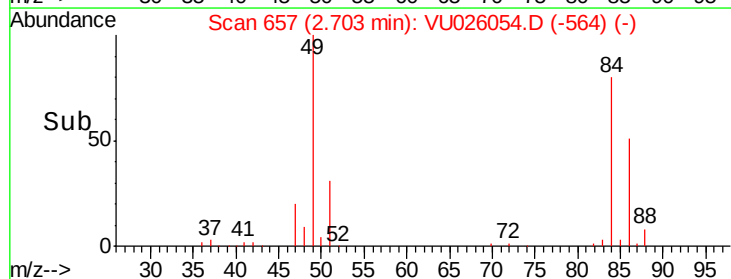
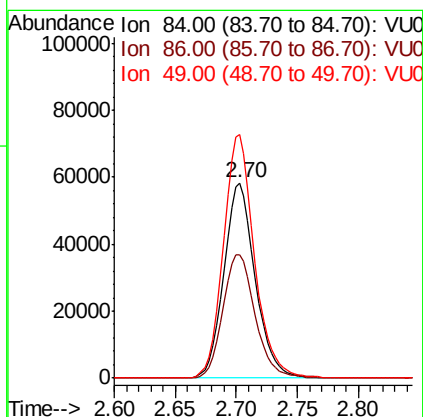
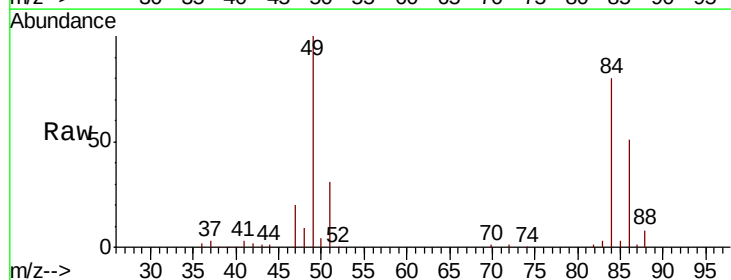
Instrument :
MSVOA_U
ClientSampleId :

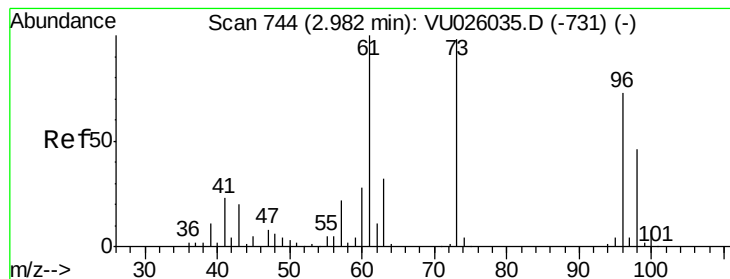
Tot Ion: 43 Resp: 102276
Ion Ratio Lower Upper
43 100
74 23.0 17.8 26.8



#16
Methylene chloride
Concen: 47.764 ug/L
RT: 2.70 min Scan# 657
Delta R.T. 0.00 min
Lab File: VU026054.D
Acq: 13 Aug 2018 08:33

Tgt Ion: 84 Resp: 105136
Ion Ratio Lower Upper
84 100
86 63.1 45.8 85.0
49 124.7 85.0 157.8





#17

trans-1,2-Dichloroethene

Concen: 49.495 ug/L

RT: 2.98 min Scan# 744

Delta R.T. 0.00 min

Lab File: VU026054.D

Acq: 13 Aug 2018 08:33

Instrument :
MSVOA_U
ClientSampled :

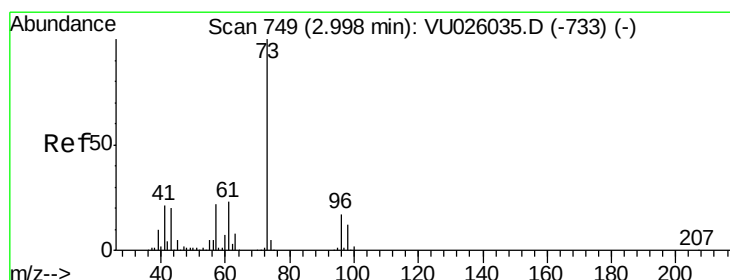
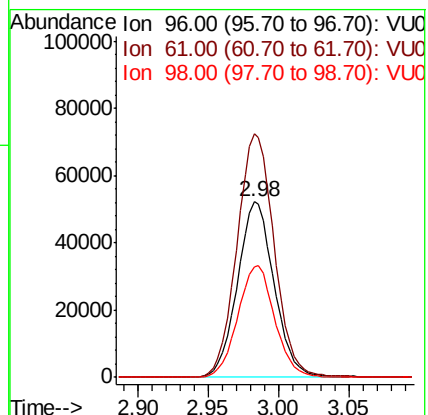
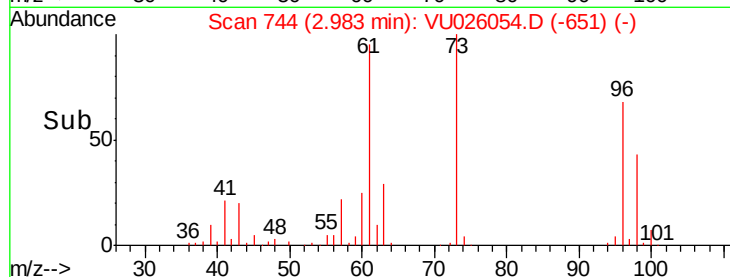
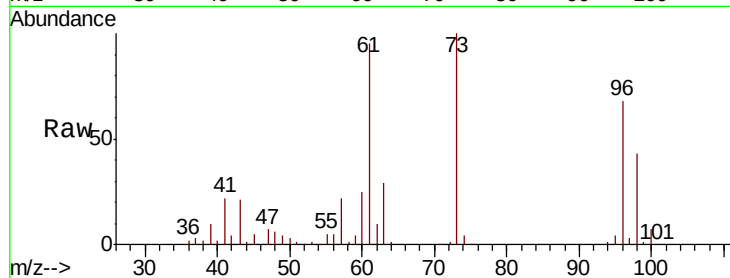
Tot Ion: 96 Resp: 95085

Ion Ratio Lower Upper

96 100

61 138.9 102.8 190.8

98 62.9 44.7 83.1



#18

Methyl tert-butyl Ether

Concen: 48.582 ug/L

RT: 3.00 min Scan# 749

Delta R.T. 0.00 min

Lab File: VU026054.D

Acq: 13 Aug 2018 08:33

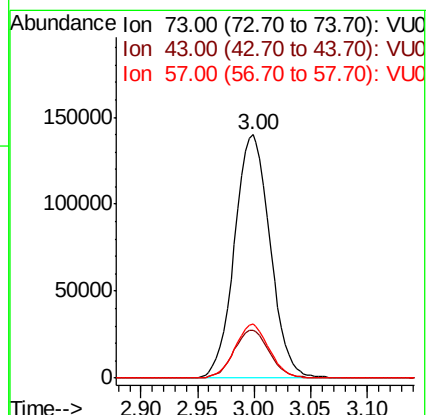
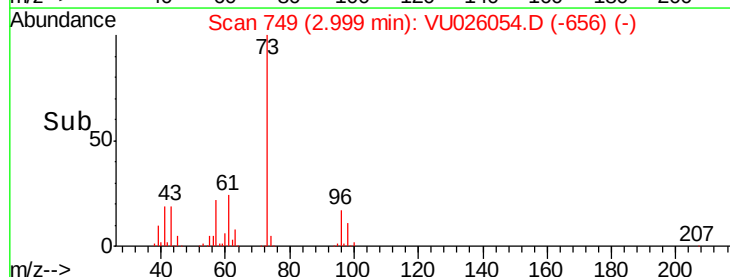
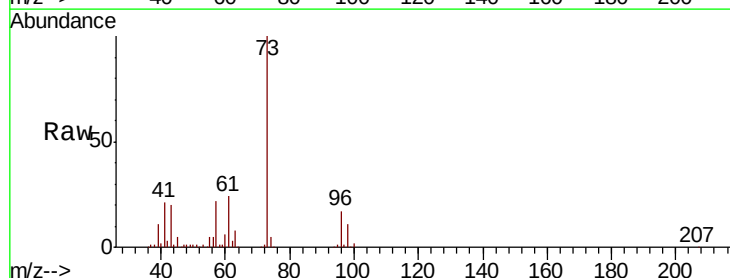
Tgt Ion: 73 Resp: 306715

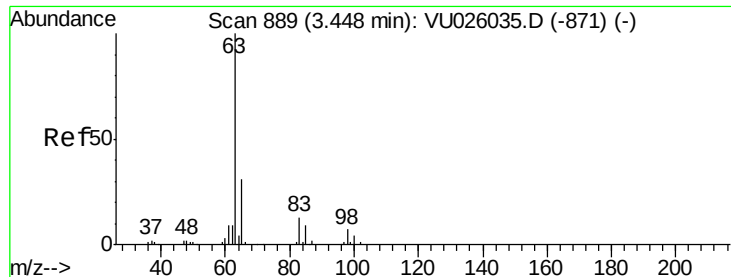
Ion Ratio Lower Upper

73 100

43 19.9 16.3 24.5

57 21.3 17.1 25.7





#19

1,1-Dichloroethane

Concen: 49.157 ug/L

RT: 3.45 min Scan# 888

Delta R.T. -0.00 min

Lab File: VU026054.D

Acq: 13 Aug 2018 08:33

Instrument :

MSVOA_U

ClientSampled :

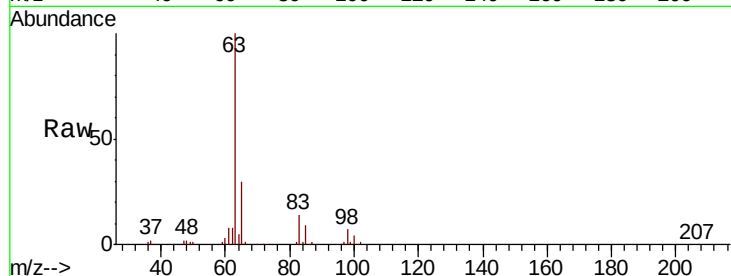
Tot Ion: 63 Resp: 183163

Ion Ratio Lower Upper

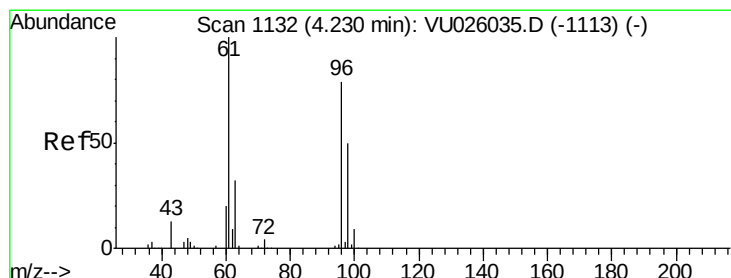
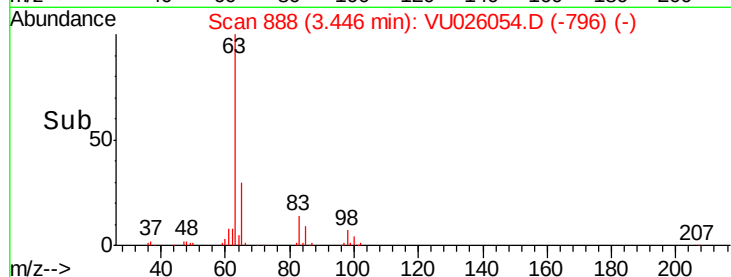
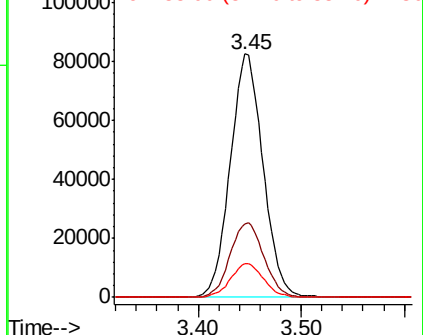
63 100

65 30.4 22.4 41.6

83 13.9 10.1 18.9



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: 49.527 ug/L

RT: 4.23 min Scan# 1131

Delta R.T. -0.00 min

Lab File: VU026054.D

Acq: 13 Aug 2018 08:33

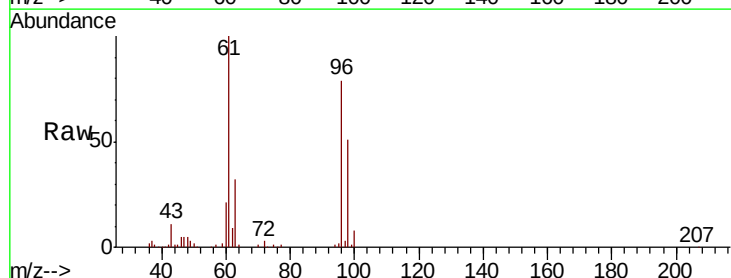
Tgt Ion: 96 Resp: 109476

Ion Ratio Lower Upper

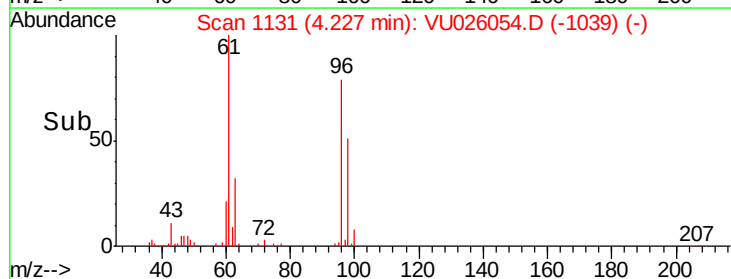
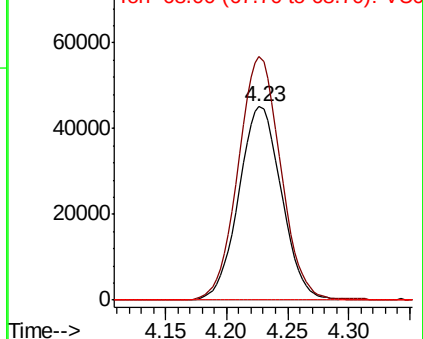
96 100

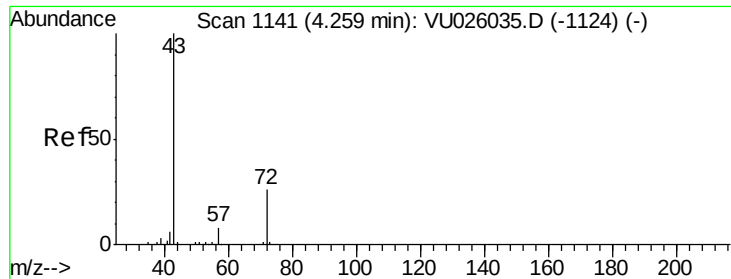
61 125.8 90.7 168.5

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: 100.444 ug/L

RT: 4.26 min Scan# 1141

Delta R.T. 0.00 min

Lab File: VU026054.D

Acq: 13 Aug 2018 08:33

Instrument :

MSVOA_U

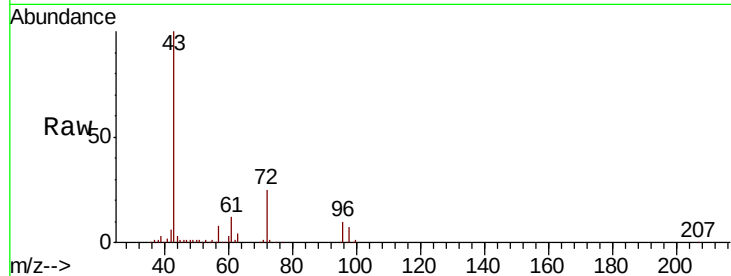
ClientSampleId :

Tot Ion: 43 Resp: 164260

Ion Ratio Lower Upper

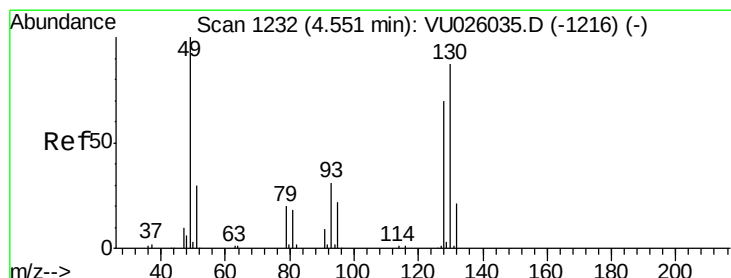
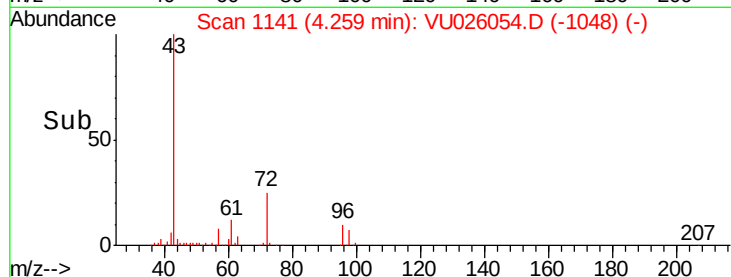
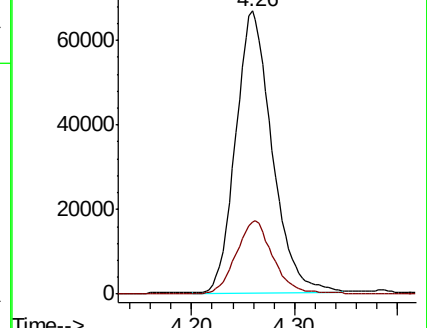
43 100

72 26.4 13.5 40.5



Abundance Ion 43.00 (42.70 to 43.70): VU026035.D (-1124) (-)

Ion 72.00 (71.70 to 72.70): VU026035.D (-1124) (-)



#23

Bromochloromethane

Concen: 49.397 ug/L

RT: 4.55 min Scan# 1231

Delta R.T. -0.00 min

Lab File: VU026054.D

Acq: 13 Aug 2018 08:33

Tgt Ion:128 Resp: 58156

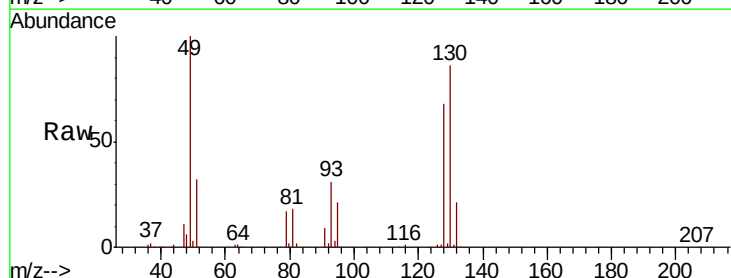
Ion Ratio Lower Upper

128 100

49 147.3 103.0 191.2

130 127.2 89.5 166.1

51 46.6 37.7 56.5

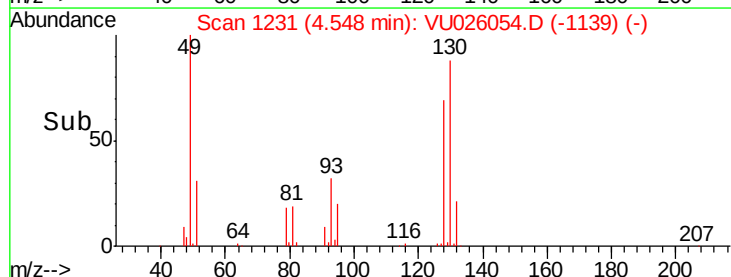
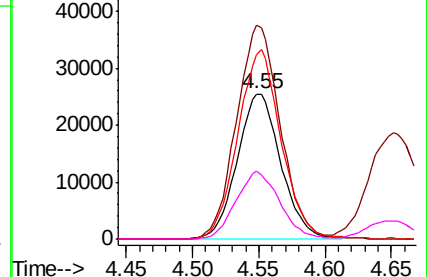


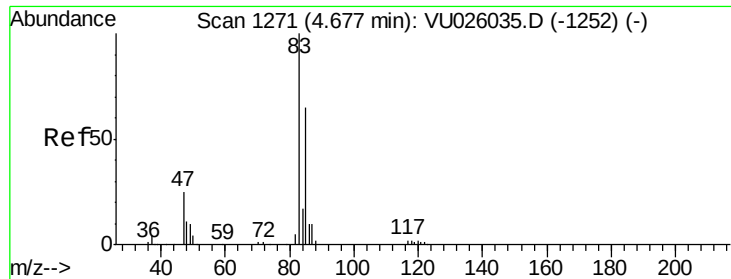
Abundance Ion 128.00 (127.70 to 128.70): VU026035.D (-1216) (-)

Ion 49.00 (48.70 to 49.70): VU026035.D (-1216) (-)

Ion 130.00 (129.70 to 130.70): VU026035.D (-1216) (-)

Ion 51.00 (50.70 to 51.70): VU026035.D (-1216) (-)

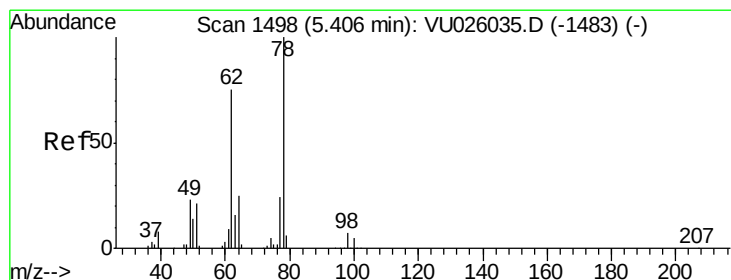
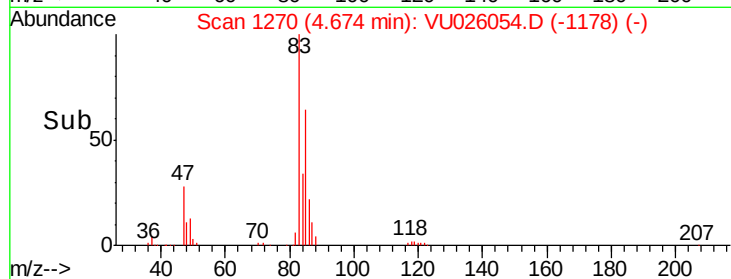
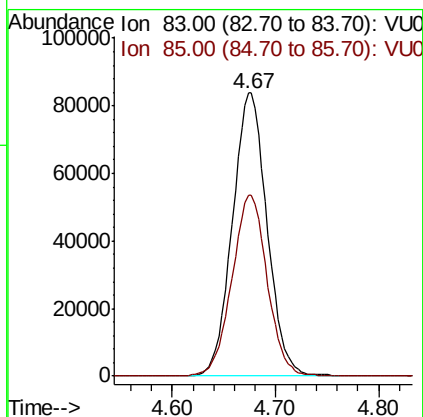
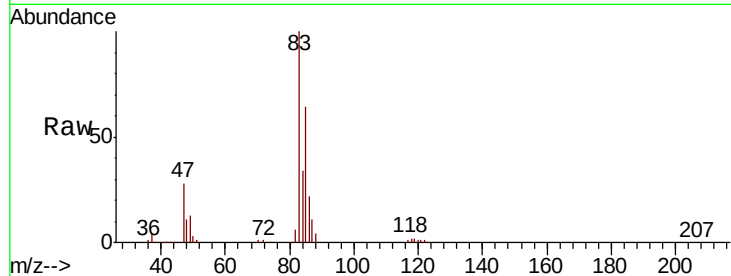




#25
Chloroform
Concen: 50.450 ug/L
RT: 4.67 min Scan# 1270
Delta R.T. -0.00 min
Lab File: VU026054.D
Acq: 13 Aug 2018 08:33

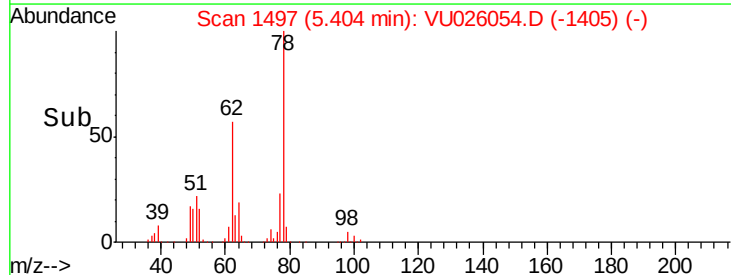
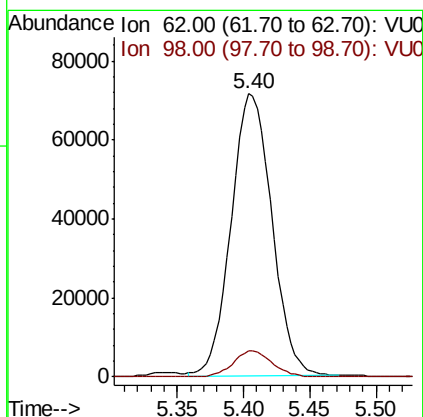
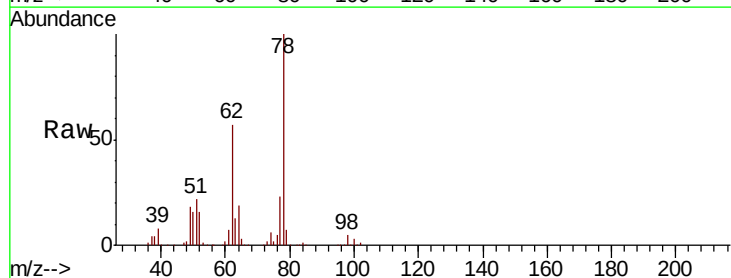
Instrument :
MSVOA_U
ClientSampleId :

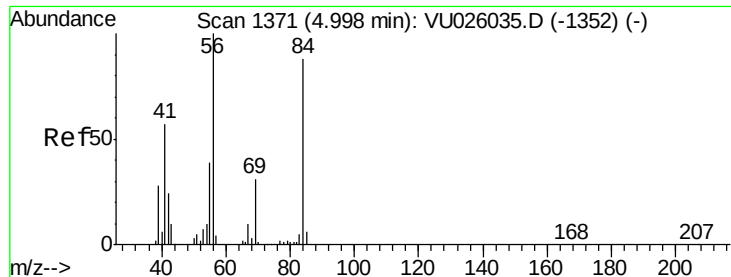
Tot Ion: 83 Resp: 195750
Ion Ratio Lower Upper
83 100
85 64.0 45.9 85.3



#27
1,2-Dichloroethane
Concen: 47.695 ug/L
RT: 5.40 min Scan# 1497
Delta R.T. -0.00 min
Lab File: VU026054.D
Acq: 13 Aug 2018 08:33

Tgt Ion: 62 Resp: 152847
Ion Ratio Lower Upper
62 100
98 9.0 7.0 10.4

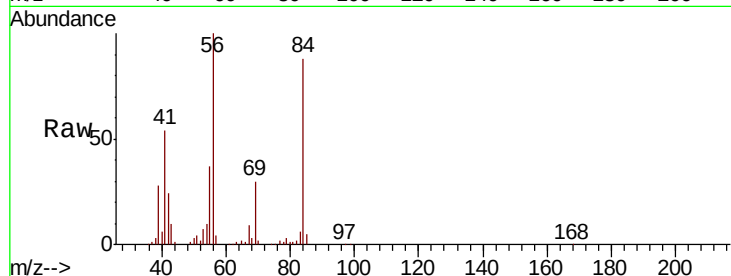




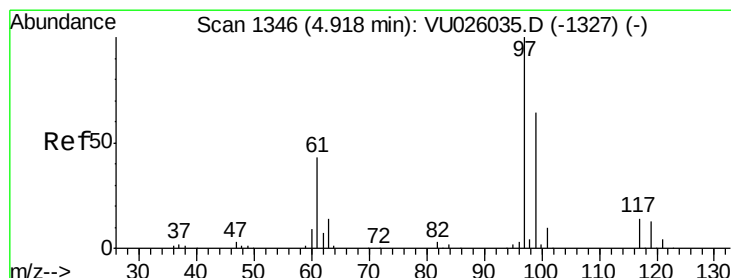
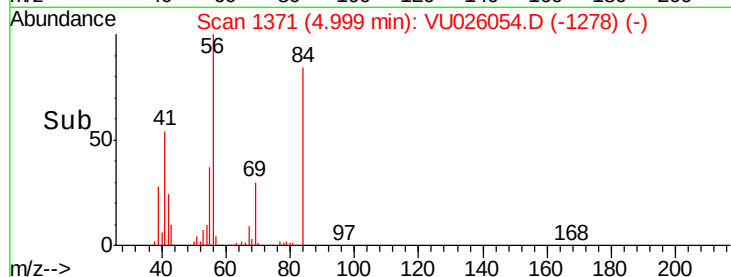
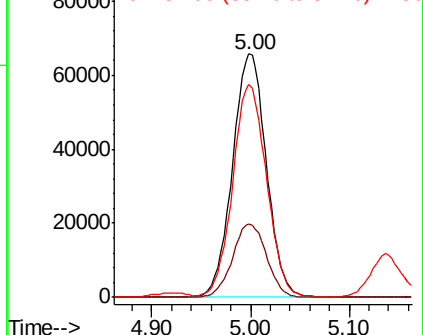
#29
Cyclohexane
Concen: 49.934 ug/L
RT: 5.00 min Scan# 1371
Delta R.T. 0.00 min
Lab File: VU026054.D
Acq: 13 Aug 2018 08:33

Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 56 Resp: 156964
Ion Ratio Lower Upper
56 100
69 30.3 24.6 37.0
84 87.7 68.6 103.0

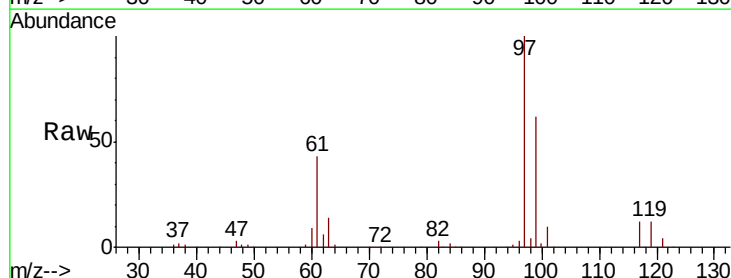


Abundance Ion 56.00 (55.70 to 56.70): VU0
Ion 69.00 (68.70 to 69.70): VU0
Ion 84.00 (83.70 to 84.70): VU0

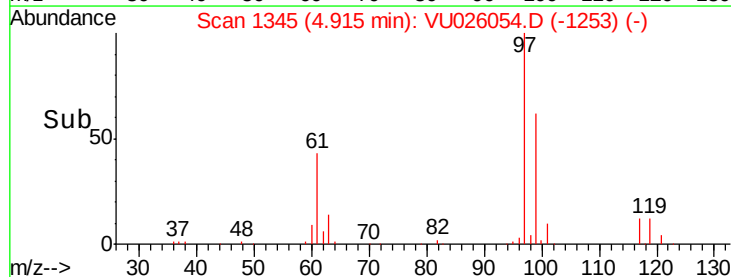
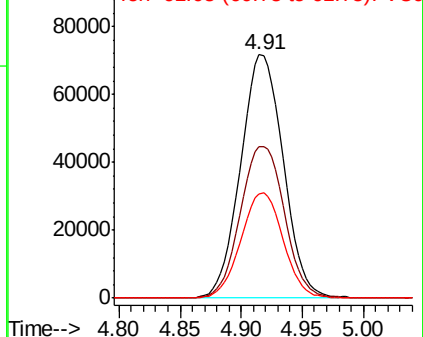


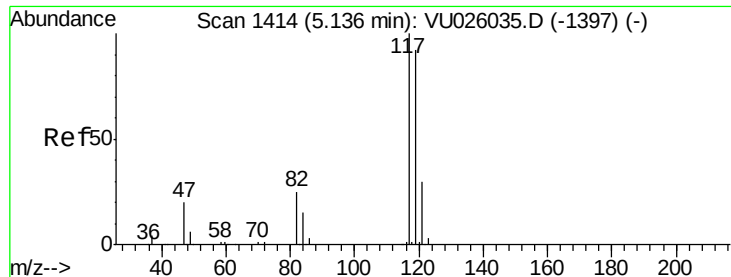
#30
1,1,1-Trichloroethane
Concen: 48.910 ug/L
RT: 4.91 min Scan# 1345
Delta R.T. -0.00 min
Lab File: VU026054.D
Acq: 13 Aug 2018 08:33

Tgt Ion: 97 Resp: 173564
Ion Ratio Lower Upper
97 100
99 64.6 51.8 77.6
61 42.9 34.7 52.1



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: 50.292 ug/L

RT: 5.14 min Scan# 1414

Delta R.T. 0.00 min

Lab File: VU026054.D

Acq: 13 Aug 2018 08:33

Instrument :

MSVOA_U

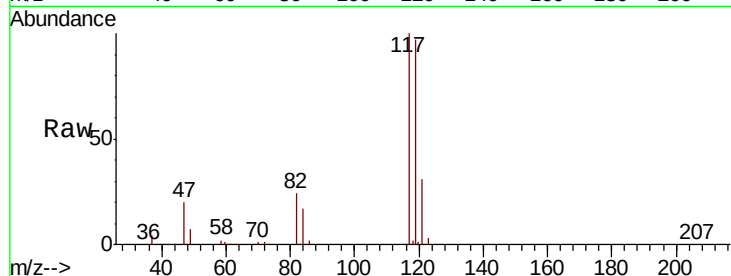
ClientSampleId :

Tot Ion:117 Resp: 162970

Ion Ratio Lower Upper

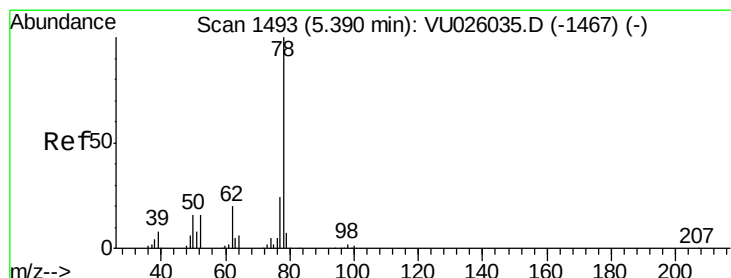
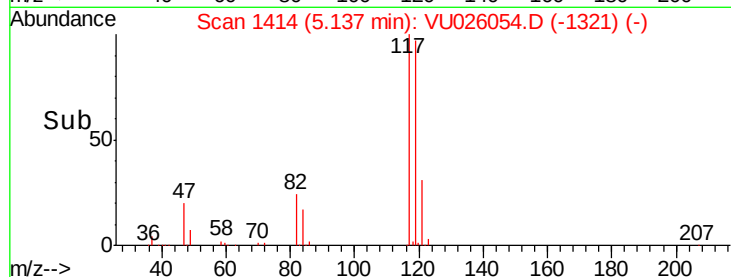
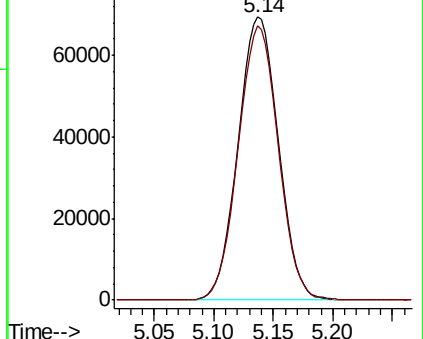
117 100

119 96.1 76.3 114.5



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#33

Benzene

Concen: 50.266 ug/L

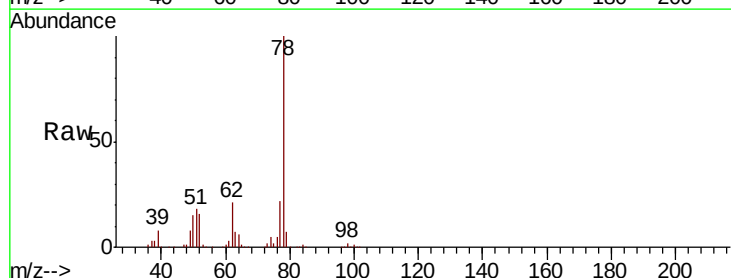
RT: 5.39 min Scan# 1493

Delta R.T. 0.00 min

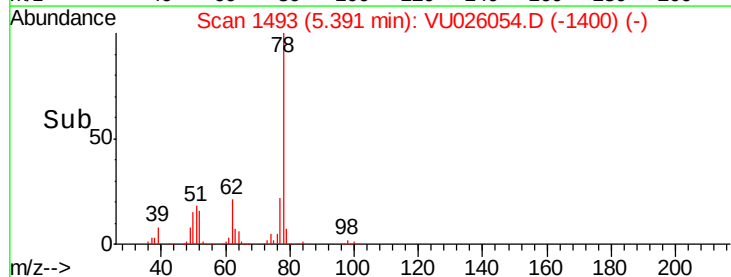
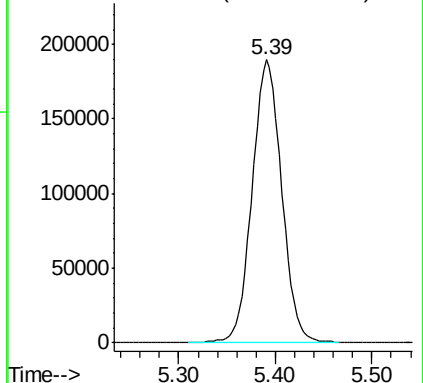
Lab File: VU026054.D

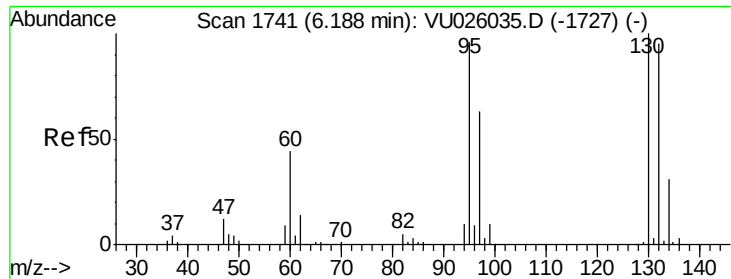
Acq: 13 Aug 2018 08:33

Tgt Ion: 78 Resp: 402668



Abundance Ion 78.00 (77.70 to 78.70): VU0

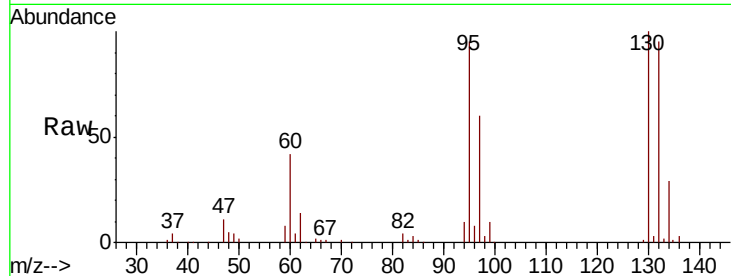




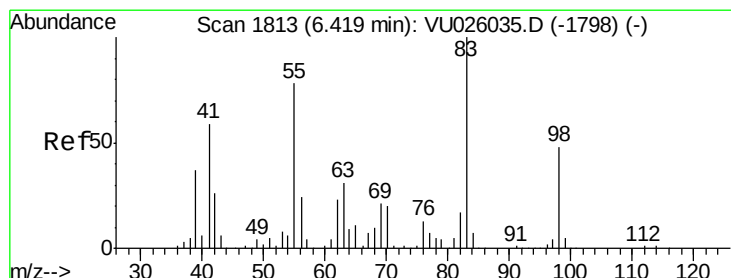
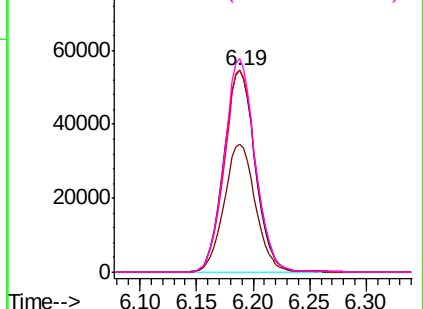
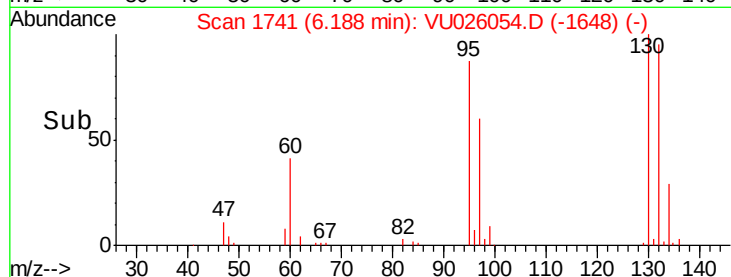
#34
 Trichloroethene
 Concen: 50.655 ug/L
 RT: 6.19 min Scan# 1741
 Delta R.T. 0.00 min
 Lab File: VU026054.D
 Acq: 13 Aug 2018 08:33

Instrument :
 MSVOA_U
 ClientSampled :

Tot Ion: 95 Resp: 106010
 Ion Ratio Lower Upper
 95 100
 97 63.1 45.2 84.0
 132 99.9 68.2 126.6
 130 105.6 73.8 137.2

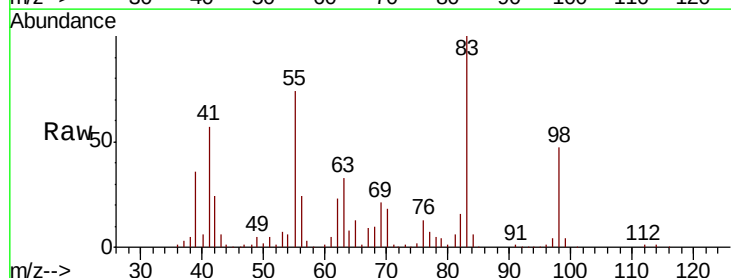


Abundance Ion 95.00 (94.70 to 95.70): VU0
 Ion 97.00 (96.70 to 97.70): VU0
 Ion 132.00 (131.70 to 132.70): V
 Ion 130.00 (129.70 to 130.70): V

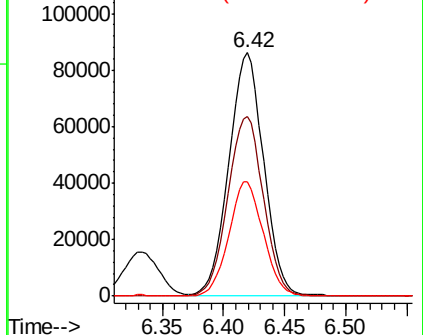
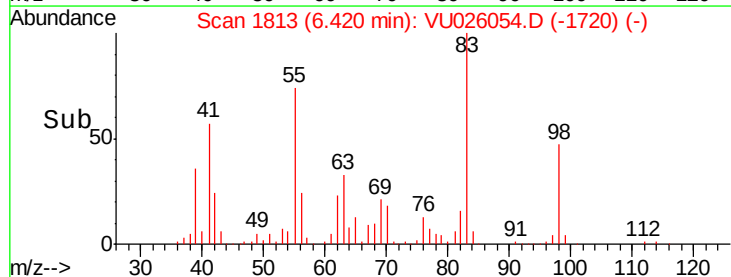


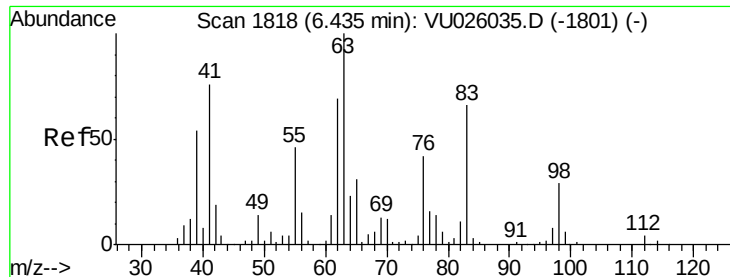
#35
 Methylcyclohexane
 Concen: 53.525 ug/L
 RT: 6.42 min Scan# 1813
 Delta R.T. 0.00 min
 Lab File: VU026054.D
 Acq: 13 Aug 2018 08:33

Tgt Ion: 83 Resp: 171036
 Ion Ratio Lower Upper
 83 100
 55 75.6 61.0 91.6
 98 46.5 38.1 57.1



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

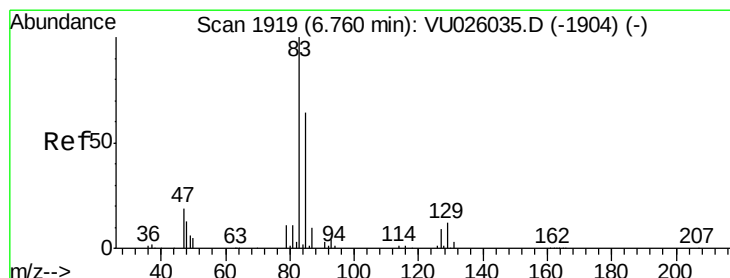
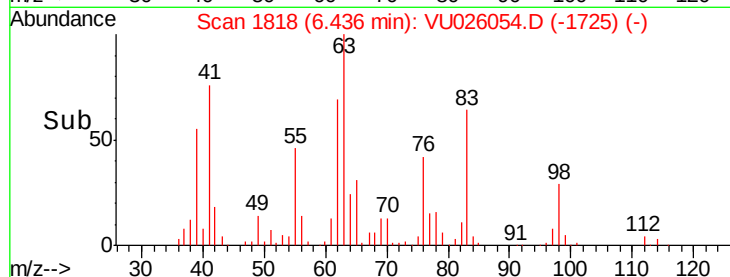
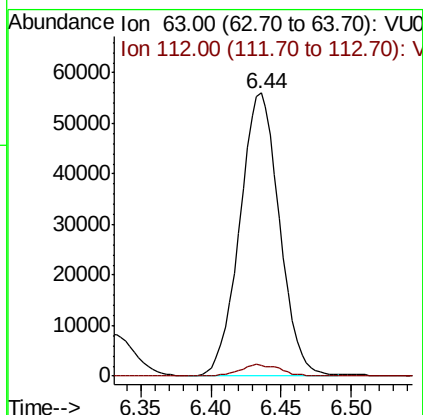
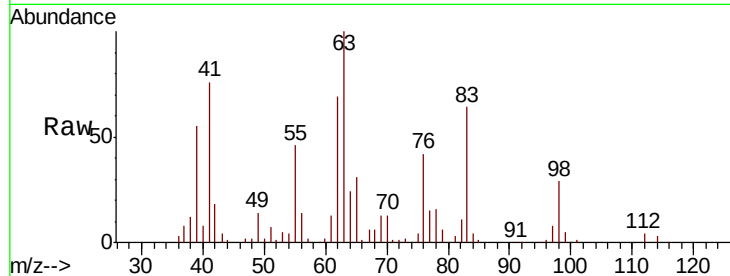




#37
 1,2-Dichloropropane
 Concen: 50.066 ug/L
 RT: 6.44 min Scan# 1818
 Delta R.T. 0.00 min
 Lab File: VU026054.D
 Acq: 13 Aug 2018 08:33

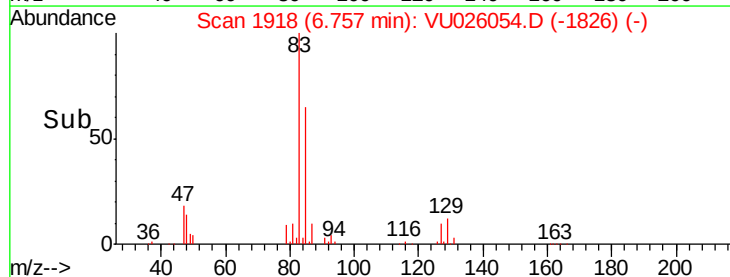
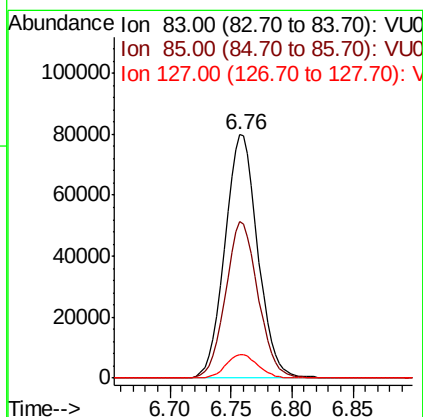
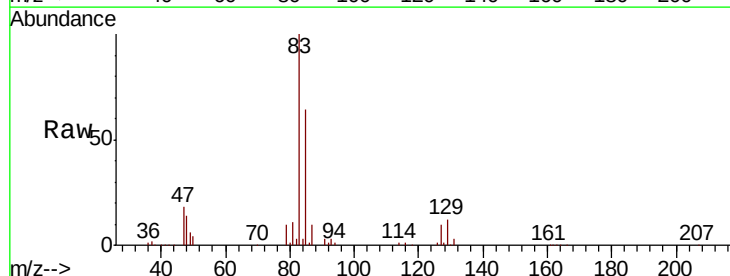
Instrument :
 MSVOA_U
 ClientSampleId :

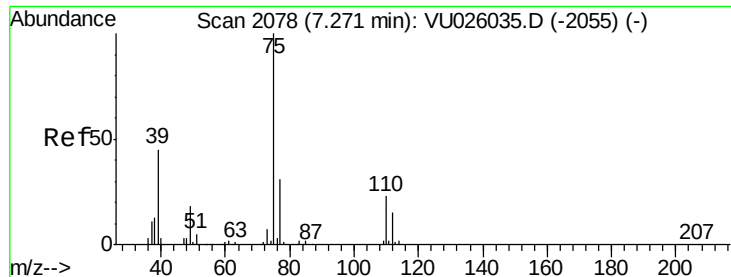
Tot Ion: 63 Resp: 109739
 Ion Ratio Lower Upper
 63 100
 112 4.1 3.2 4.8



#38
 Bromodichloromethane
 Concen: 51.616 ug/L
 RT: 6.76 min Scan# 1918
 Delta R.T. -0.00 min
 Lab File: VU026054.D
 Acq: 13 Aug 2018 08:33

Tgt Ion: 83 Resp: 150728
 Ion Ratio Lower Upper
 83 100
 85 64.1 45.3 84.1
 127 9.6 7.4 11.2

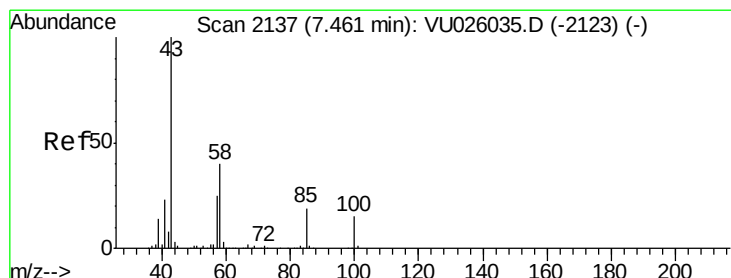
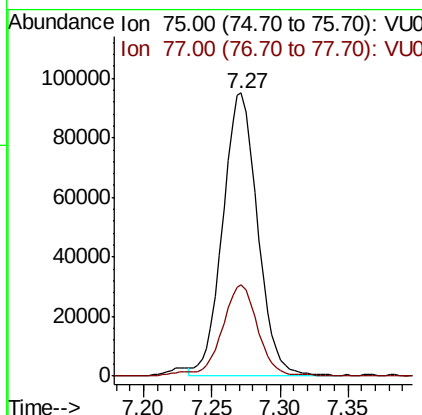
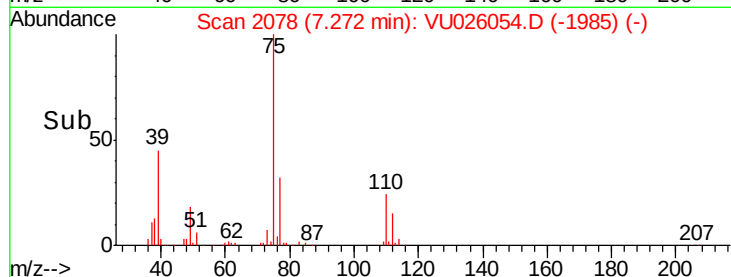
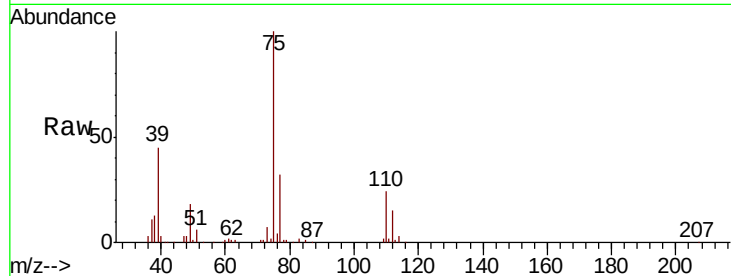




#39
 cis-1,3-Dichloropropene
 Concen: 50.604 ug/L
 RT: 7.27 min Scan# 2078
 Delta R.T. 0.00 min
 Lab File: VU026054.D
 Acq: 13 Aug 2018 08:33

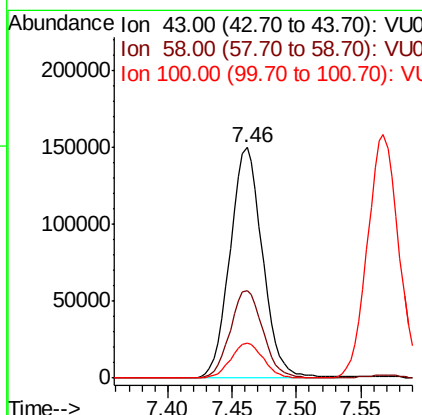
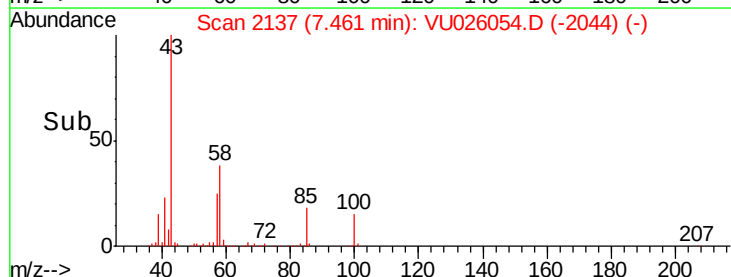
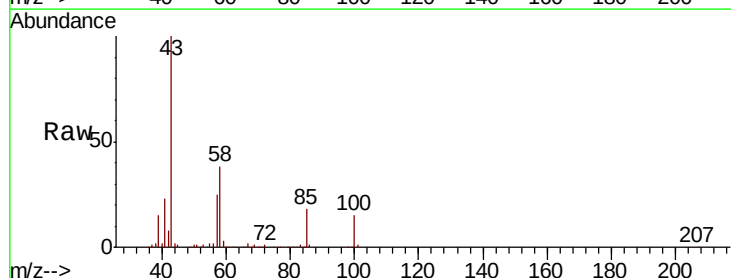
Instrument :
 MSVOA_U
 ClientSampleId :

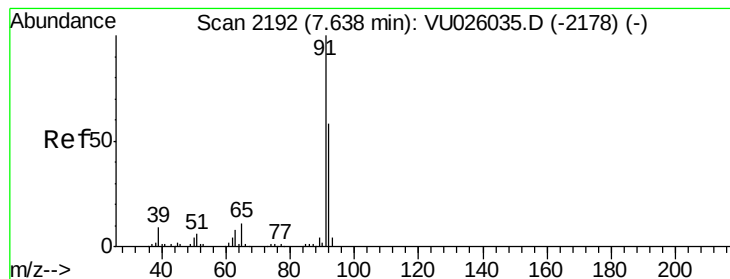
Tot Ion: 75 Resp: 168106
 Ion Ratio Lower Upper
 75 100
 77 32.3 22.1 41.1



#40
 4-Methyl-2-pentanone
 Concen: 87.261 ug/L
 RT: 7.46 min Scan# 2137
 Delta R.T. 0.00 min
 Lab File: VU026054.D
 Acq: 13 Aug 2018 08:33

Tgt Ion: 43 Resp: 262801
 Ion Ratio Lower Upper
 43 100
 58 38.4 30.6 46.0
 100 15.3 11.8 17.6





#42

Toluene

Concen: 50.901 ug/L

RT: 7.64 min Scan# 2192

Delta R.T. 0.00 min

Lab File: VU026054.D

Acq: 13 Aug 2018 08:33

Instrument :

MSVOA_U

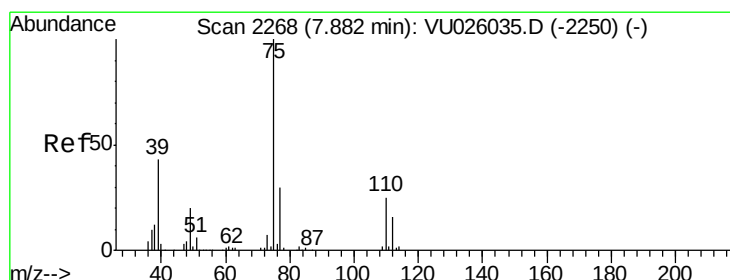
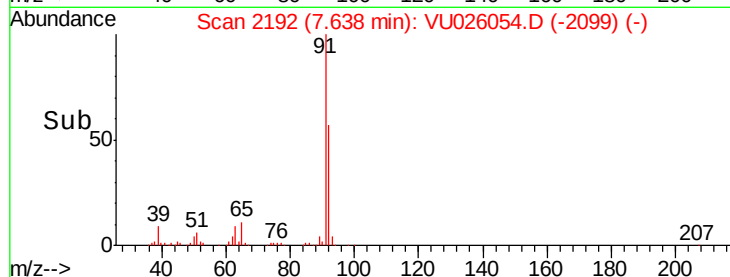
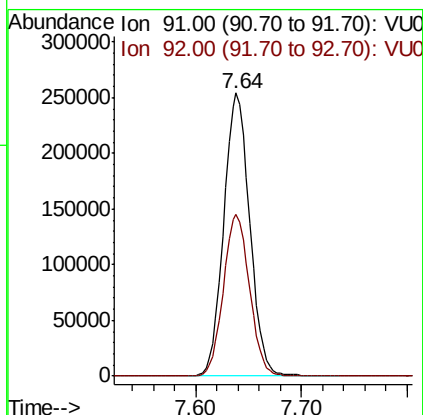
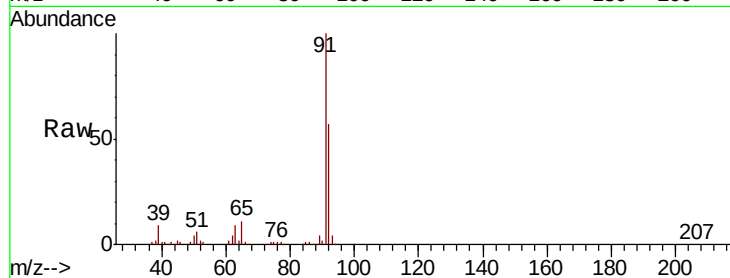
ClientSampleId :

Tot Ion: 91 Resp: 432801

Ion Ratio Lower Upper

91 100

92 57.2 41.0 76.2



#44

trans-1,3-Dichloropropene

Concen: 51.174 ug/L

RT: 7.88 min Scan# 2267

Delta R.T. -0.00 min

Lab File: VU026054.D

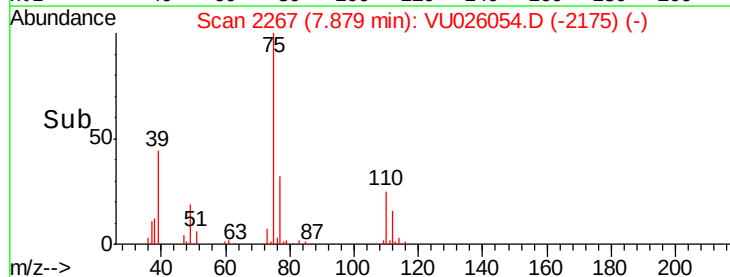
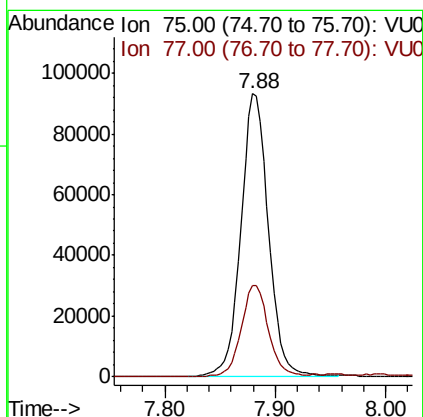
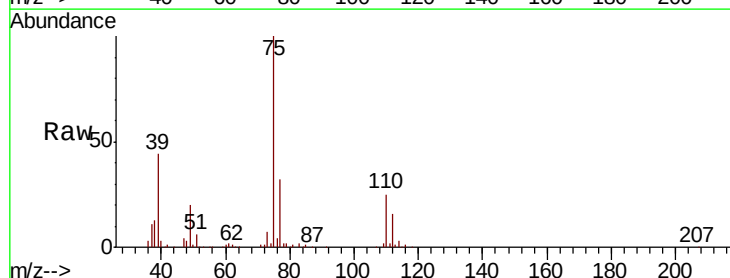
Acq: 13 Aug 2018 08:33

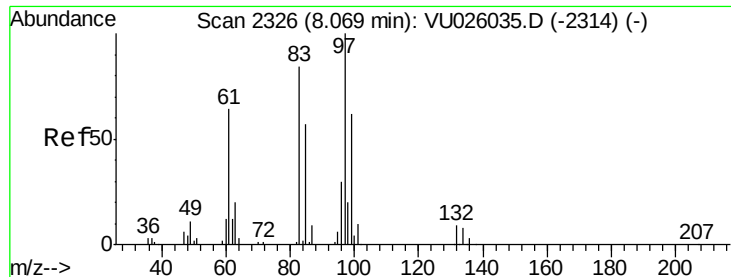
Tgt Ion: 75 Resp: 161810

Ion Ratio Lower Upper

75 100

77 32.3 23.0 42.6

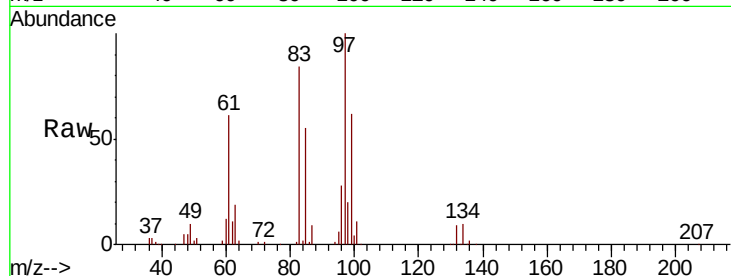




#45
 1,1,2-Trichloroethane
 Concen: 48.808 ug/L
 RT: 8.07 min Scan# 2326
 Delta R.T. 0.00 min
 Lab File: VU026054.D
 Acq: 13 Aug 2018 08:33

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion:	97	Resp:	101995
Ion	Ratio	Lower	Upper
97	100		
99	61.9	41.6	77.2
83	84.1	59.0	109.6
85	54.5	37.9	70.5



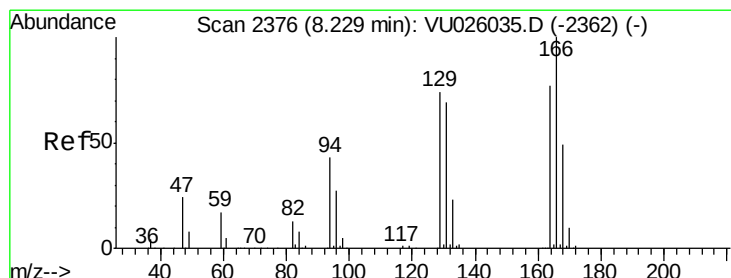
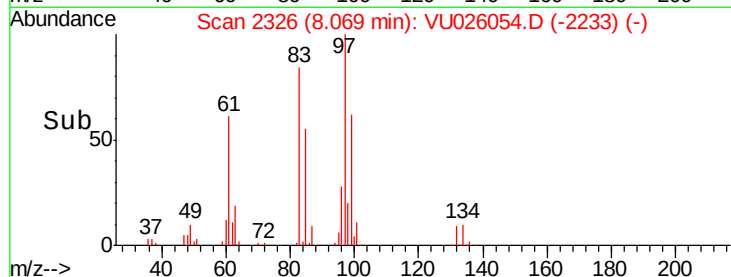
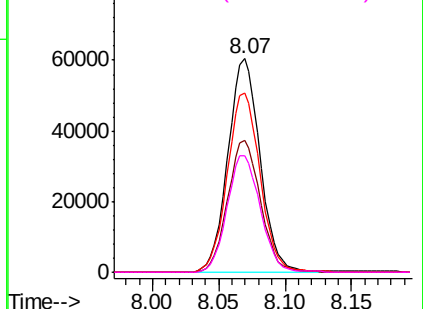
Abundance

Ion 97.00 (96.70 to 97.70): VU0

Ion 99.00 (98.70 to 99.70): VU0

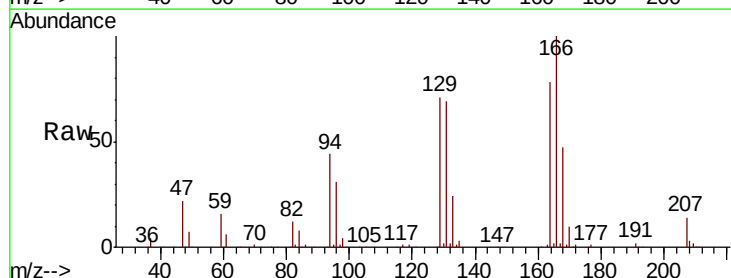
Ion 83.00 (82.70 to 83.70): VU0

Ion 85.00 (84.70 to 85.70): VU0



#46
 Tetrachloroethene
 Concen: 51.665 ug/L
 RT: 8.23 min Scan# 2376
 Delta R.T. 0.00 min
 Lab File: VU026054.D
 Acq: 13 Aug 2018 08:33

Tgt Ion:	164	Resp:	92015
Ion	Ratio	Lower	Upper
164	100		
129	90.8	64.8	120.3
131	88.5	62.8	116.6
166	128.1	89.0	165.4



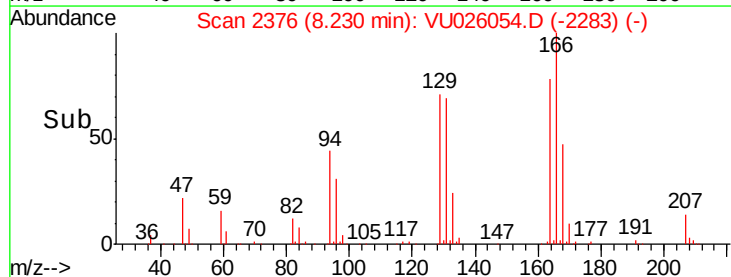
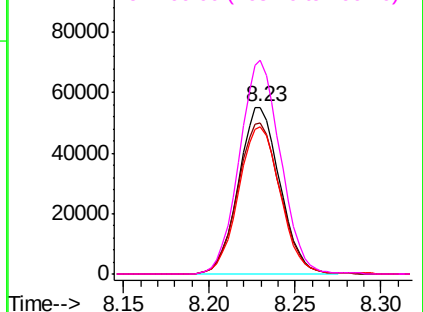
Abundance

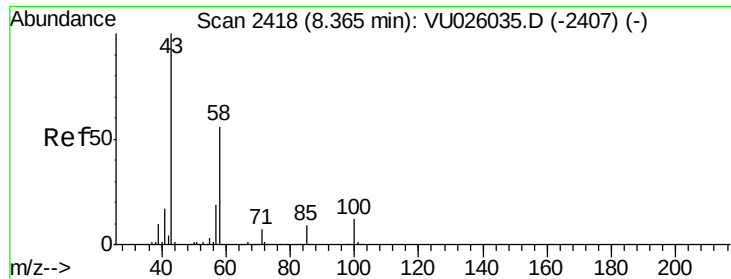
Ion 164.00 (163.70 to 164.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V

Ion 166.00 (165.70 to 166.70): V

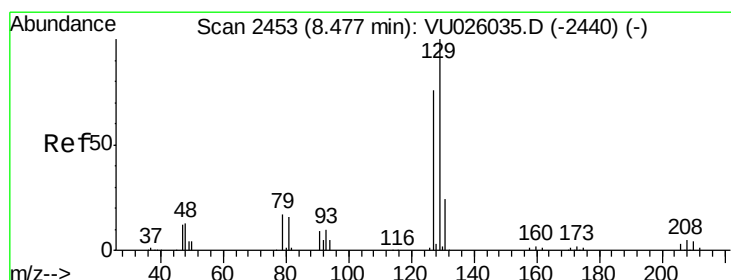
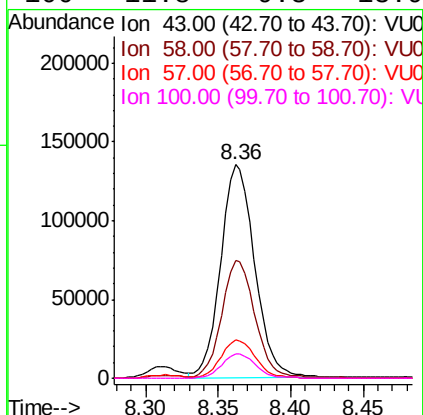
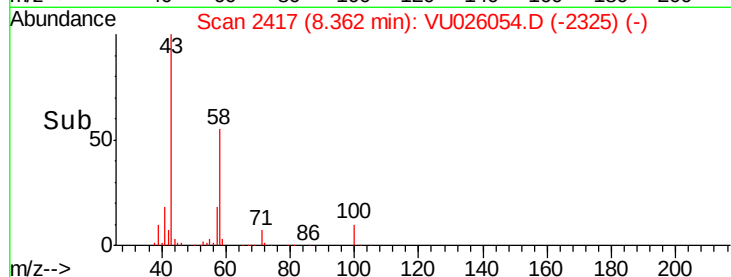
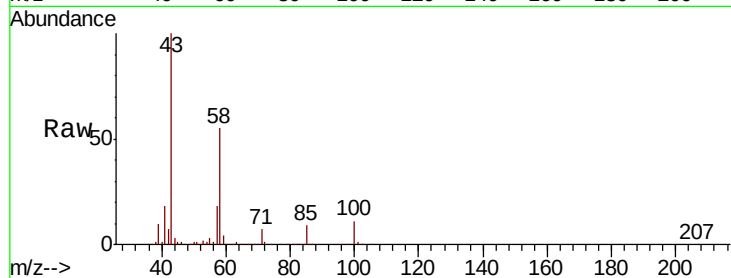




#48
2-Hexanone
Concen: 93.696 ug/L
RT: 8.36 min Scan# 2417
Delta R.T. -0.00 min
Lab File: VU026054.D
Acq: 13 Aug 2018 08:33

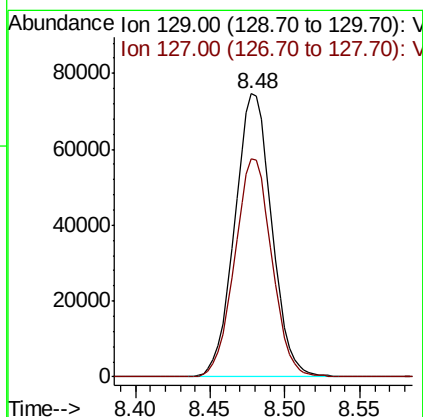
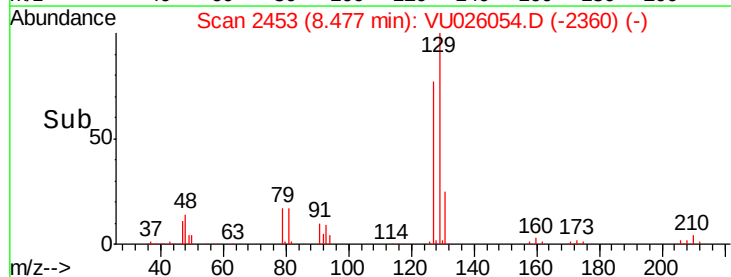
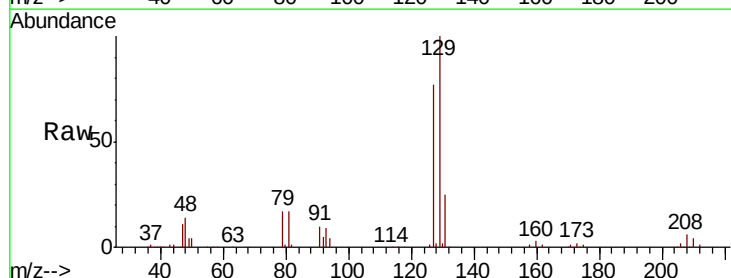
Instrument :
MSVOA_U
ClientSampleId :

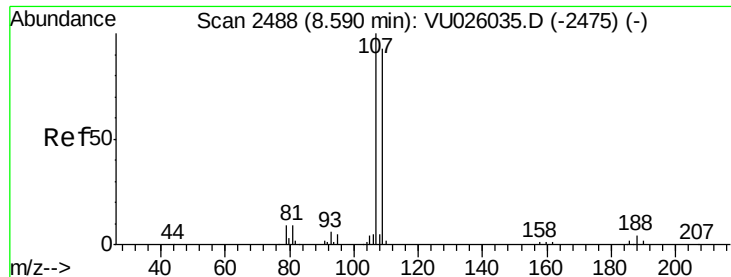
Tot Ion: 43 Resp: 219838
Ion Ratio Lower Upper
43 100
58 53.3 43.6 65.4
57 18.3 15.1 22.7
100 11.8 9.3 13.9



#49
Dibromochloromethane
Concen: 50.925 ug/L
RT: 8.48 min Scan# 2453
Delta R.T. 0.00 min
Lab File: VU026054.D
Acq: 13 Aug 2018 08:33

Tgt Ion: 129 Resp: 128326
Ion Ratio Lower Upper
129 100
127 77.1 53.5 99.3

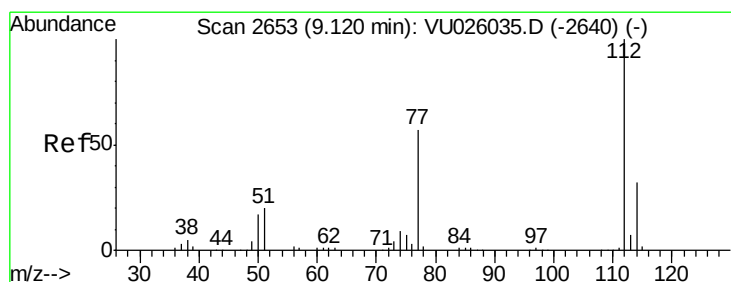
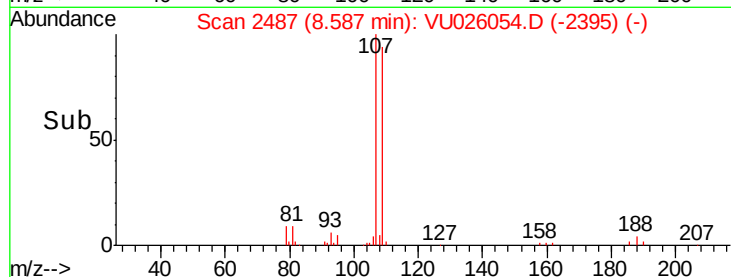
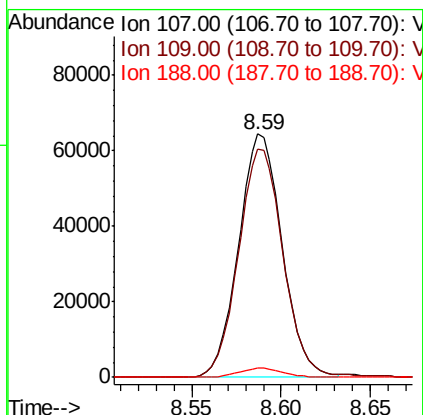
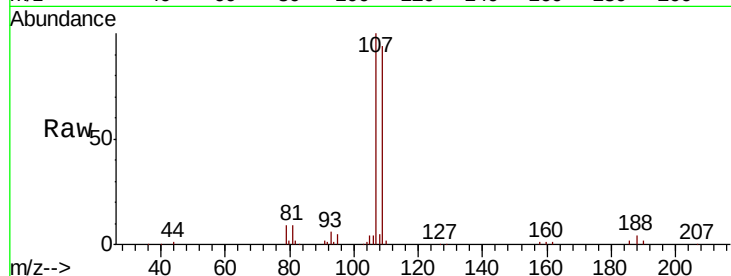




#50
 1,2-Dibromoethane
 Concen: 48.131 ug/L
 RT: 8.59 min Scan# 2487
 Delta R.T. -0.00 min
 Lab File: VU026054.D
 Acq: 13 Aug 2018 08:33

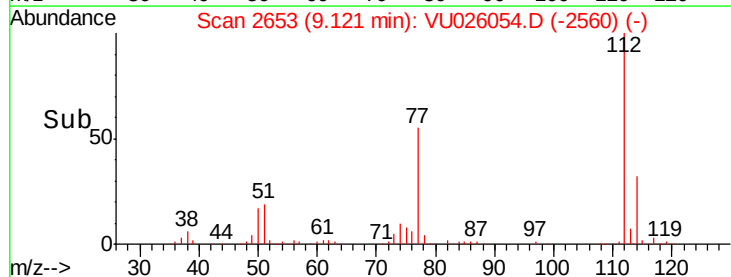
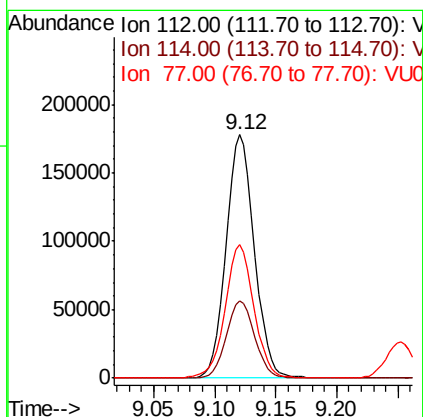
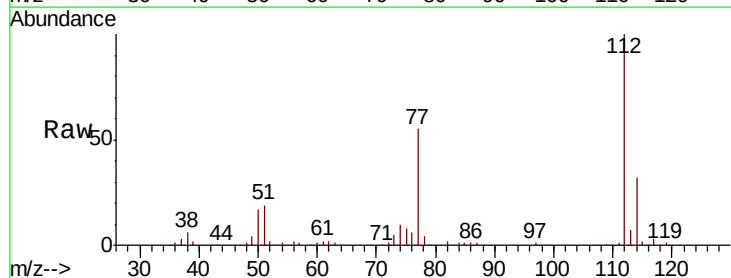
Instrument :
 MSVOA_U
 ClientSampleId :

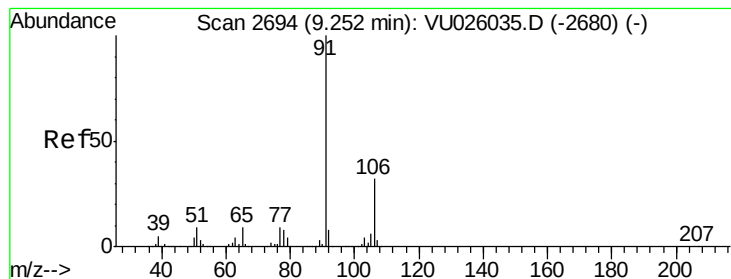
Tot Ion	Ratio	Lower	Upper
107	100		
109	93.9	66.1	122.7
188	3.7	2.9	4.3



#51
 Chlorobenzene
 Concen: 50.361 ug/L
 RT: 9.12 min Scan# 2653
 Delta R.T. 0.00 min
 Lab File: VU026054.D
 Acq: 13 Aug 2018 08:33

Tgt Ion	Ratio	Lower	Upper
112	100		
114	31.9	22.7	42.3
77	54.9	45.2	67.8





#52

Ethylbenzene

Concen: 51.024 ug/L

RT: 9.25 min Scan# 2694

Delta R.T. 0.00 min

Lab File: VU026054.D

Acq: 13 Aug 2018 08:33

Instrument :

MSVOA_U

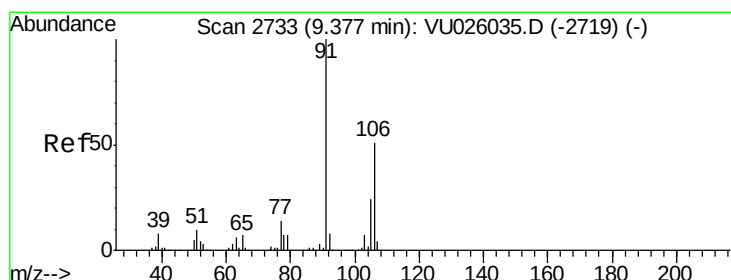
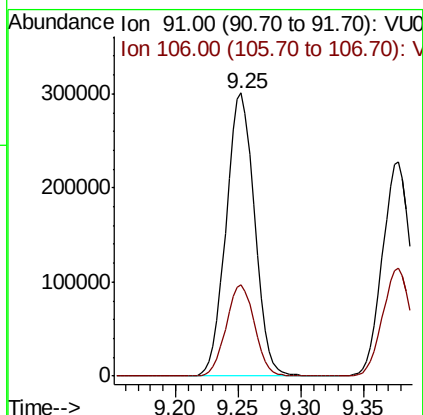
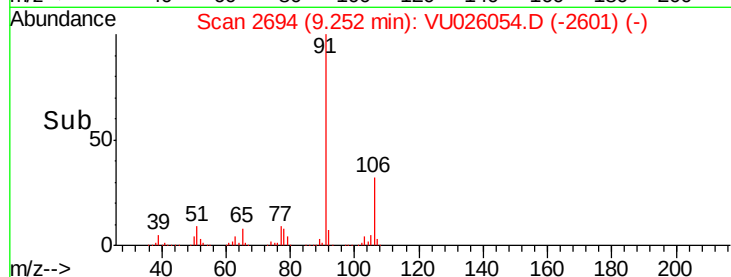
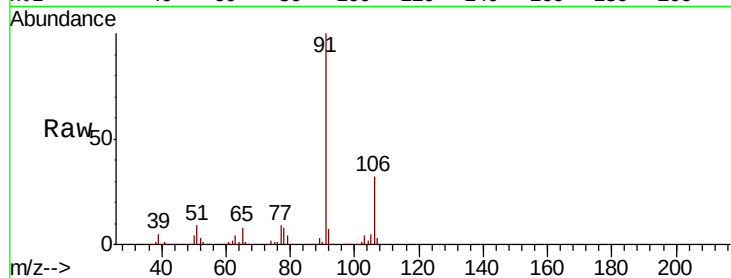
ClientSampleId :

Tot Ion: 91 Resp: 474730

Ion Ratio Lower Upper

91 100

106 32.2 22.0 41.0



#53

m,p-Xylene

Concen: 52.453 ug/L

RT: 9.38 min Scan# 2733

Delta R.T. 0.00 min

Lab File: VU026054.D

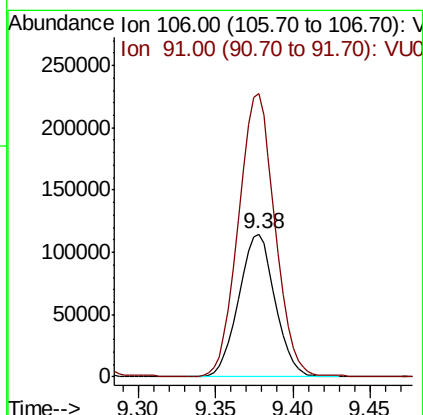
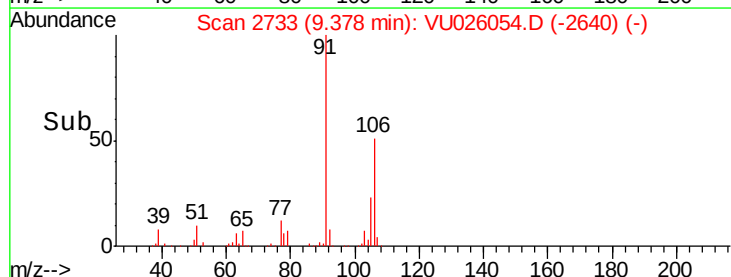
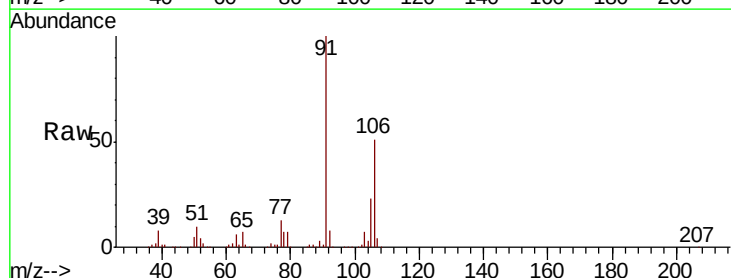
Acq: 13 Aug 2018 08:33

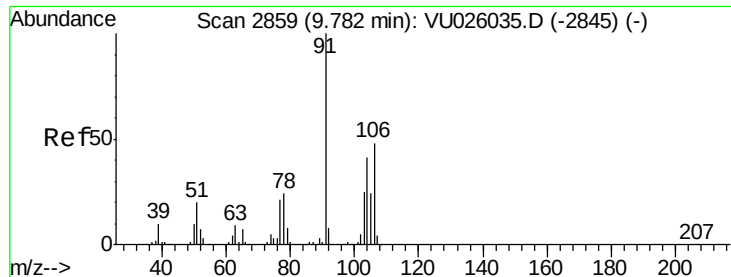
Tgt Ion: 106 Resp: 186482

Ion Ratio Lower Upper

106 100

91 197.8 141.3 262.5

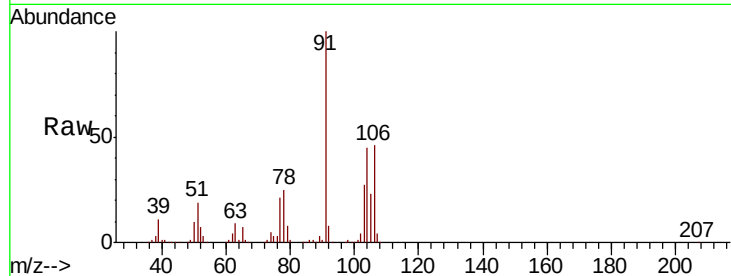




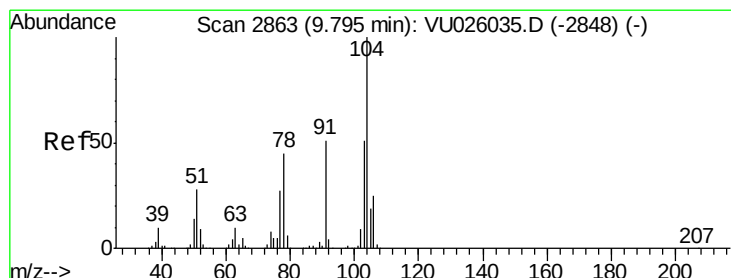
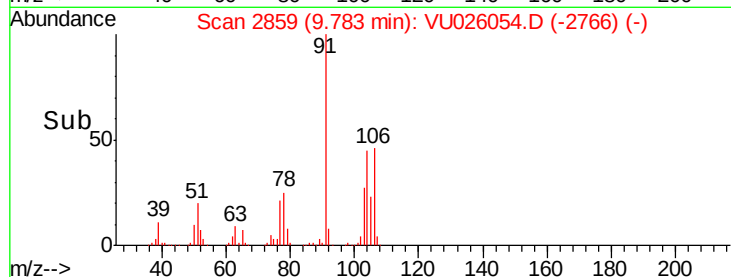
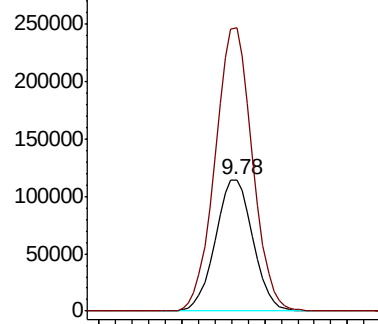
#54
o-xylene
Concen: 50.999 ug/L
RT: 9.78 min Scan# 2859
Delta R.T. 0.00 min
Lab File: VU026054.D
Acq: 13 Aug 2018 08:33

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion:106 Resp: 179949
Ion Ratio Lower Upper
106 100
91 215.7 151.2 280.8

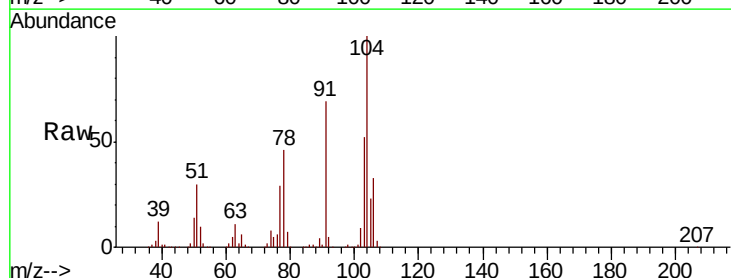


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VU0

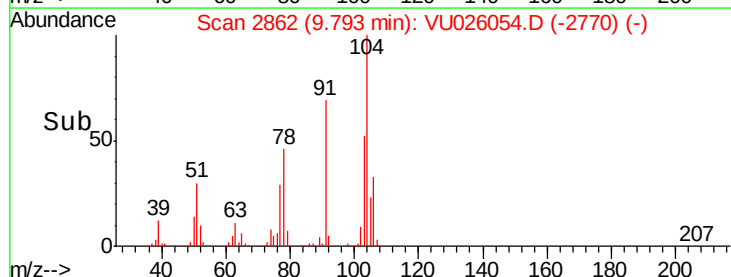
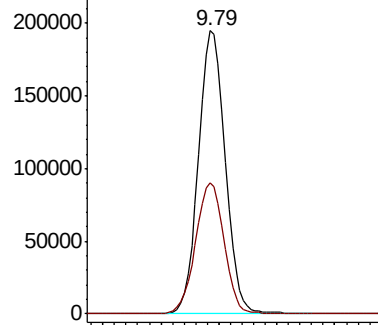


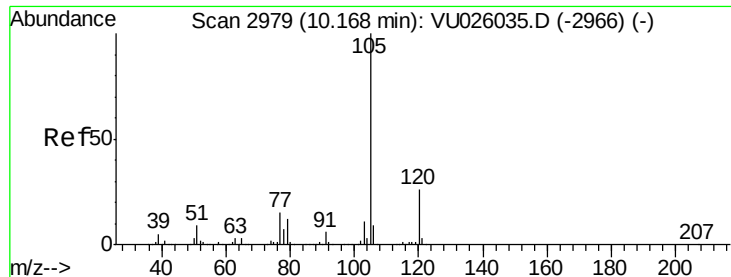
#55
Styrene
Concen: 52.932 ug/L
RT: 9.79 min Scan# 2862
Delta R.T. -0.00 min
Lab File: VU026054.D
Acq: 13 Aug 2018 08:33

Tgt Ion:104 Resp: 310952
Ion Ratio Lower Upper
104 100
78 46.4 32.1 59.5



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VU0





#56

Isopropylbenzene

Concen: 52.634 ug/L

RT: 10.17 min Scan# 2979

Delta R.T. 0.00 min

Lab File: VU026054.D

Acq: 13 Aug 2018 08:33

Instrument :

MSVOA_U

ClientSampleId :

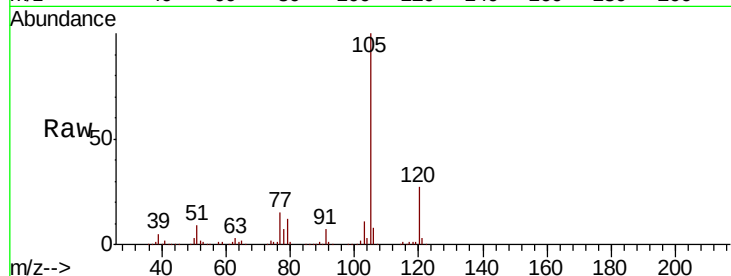
Tot Ion:105 Resp: 478446

Ion Ratio Lower Upper

105 100

120 26.9 21.7 32.5

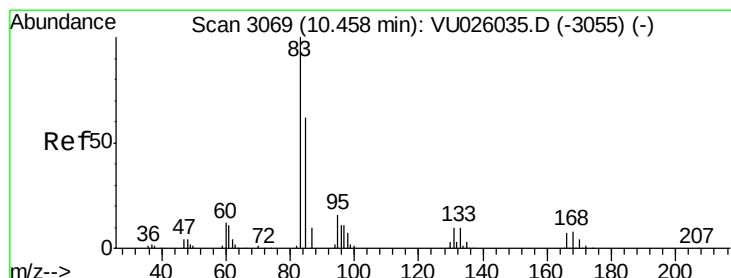
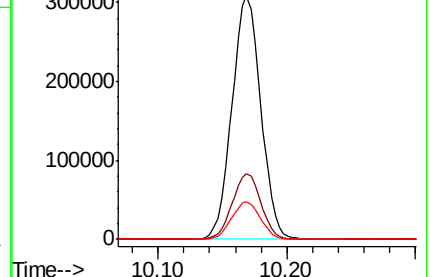
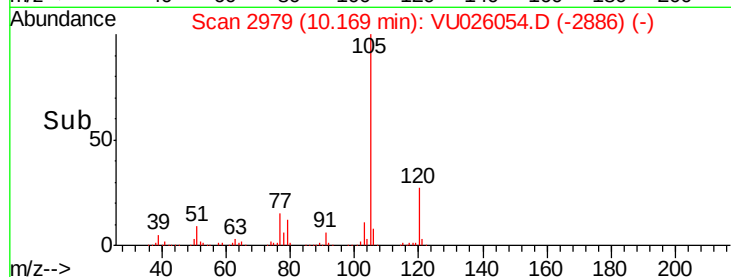
77 15.5 12.6 18.8



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: 46.591 ug/L

RT: 10.46 min Scan# 3069

Delta R.T. 0.00 min

Lab File: VU026054.D

Acq: 13 Aug 2018 08:33

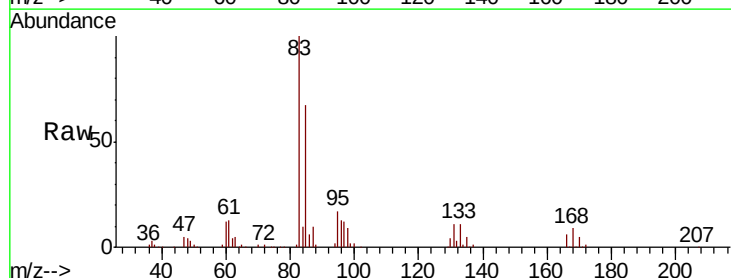
Tgt Ion: 83 Resp: 165472

Ion Ratio Lower Upper

83 100

85 67.4 45.0 83.6

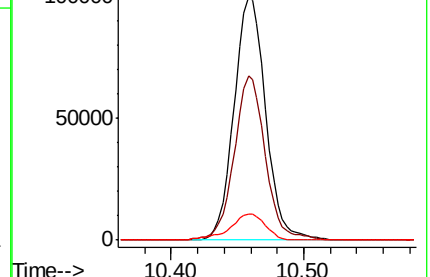
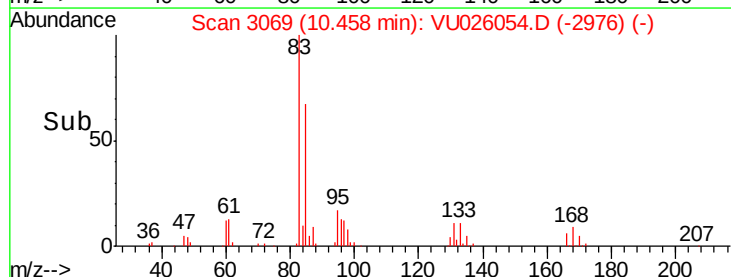
131 10.9 8.6 12.8

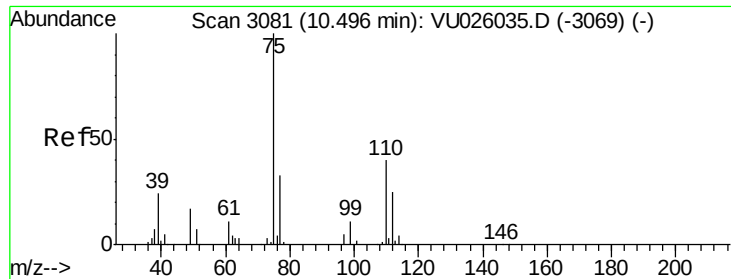


Abundance Ion 83.00 (82.70 to 83.70): V

Ion 85.00 (84.70 to 85.70): V

Ion 131.00 (130.70 to 131.70): V

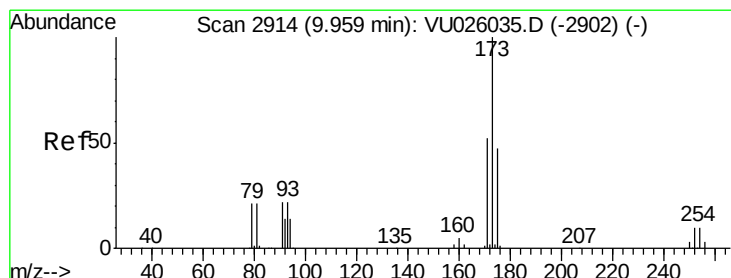
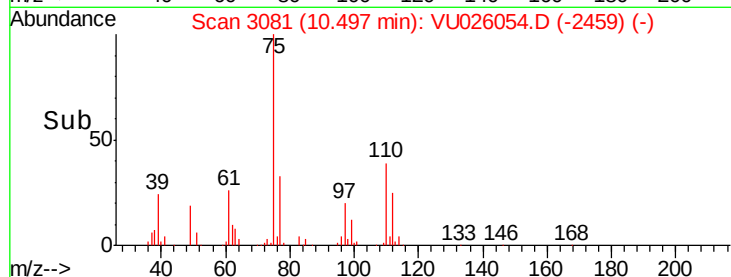
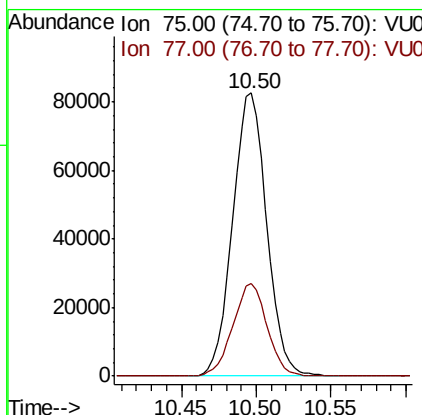
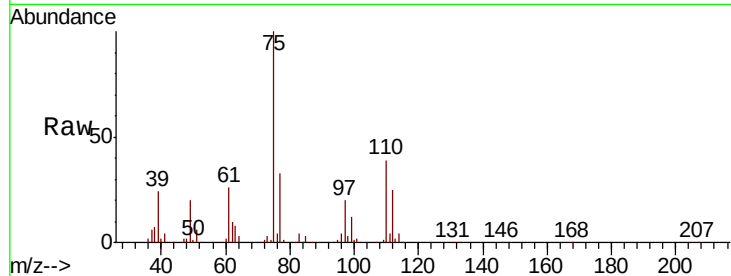




#59
 1,2,3-Trichloropropane
 Concen: 46.277 ug/L
 RT: 10.50 min Scan# 3081
 Delta R.T. 0.00 min
 Lab File: VU026054.D
 Acq: 13 Aug 2018 08:33

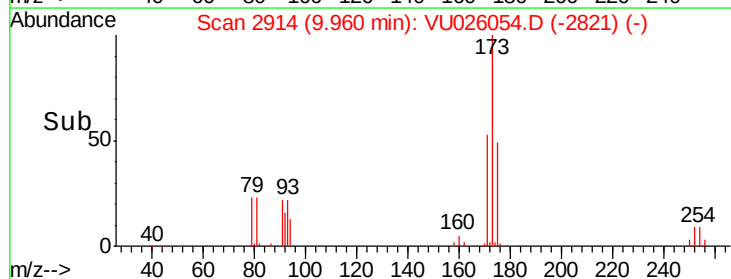
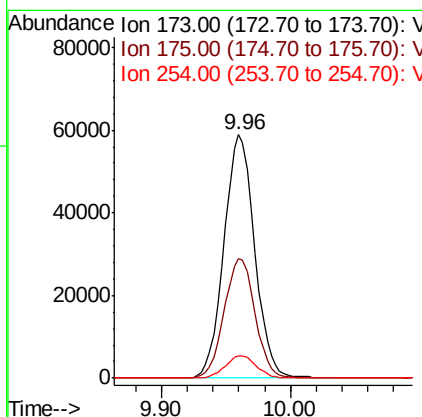
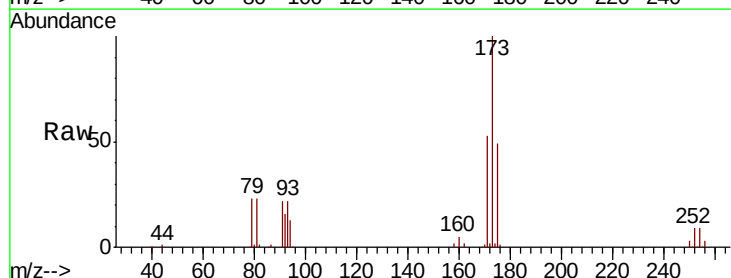
Instrument :
 MSVOA_U
 ClientSampleId :

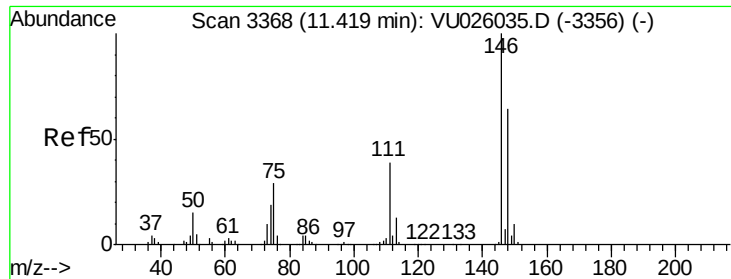
Tot Ion: 75 Resp: 130821
 Ion Ratio Lower Upper
 75 100
 77 32.8 25.3 37.9



#61
 Bromoform
 Concen: 49.062 ug/L
 RT: 9.96 min Scan# 2914
 Delta R.T. 0.00 min
 Lab File: VU026054.D
 Acq: 13 Aug 2018 08:33

Tgt Ion:173 Resp: 97084
 Ion Ratio Lower Upper
 173 100
 175 49.4 38.9 58.3
 254 9.2 7.4 11.0





#62

1,3-Dichlorobenzene

Concen: 49.737 ug/L

RT: 11.42 min Scan# 3368

Delta R.T. 0.00 min

Lab File: VU026054.D

Acq: 13 Aug 2018 08:33

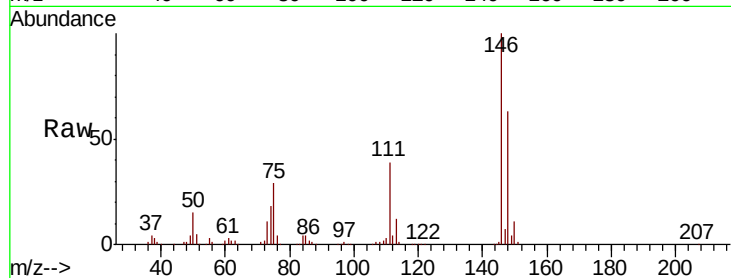
Instrument :

MSVOA_U

ClientSampleId :

Tot Ion:146 Resp: 226299

Ion	Ratio	Lower	Upper
146	100		
111	38.5	27.9	51.9
148	62.6	46.0	85.4

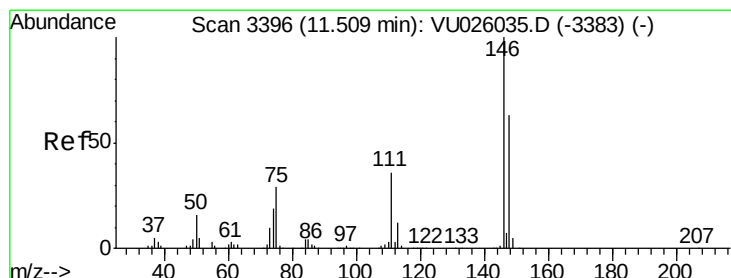
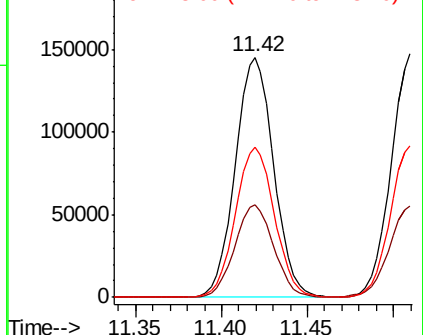
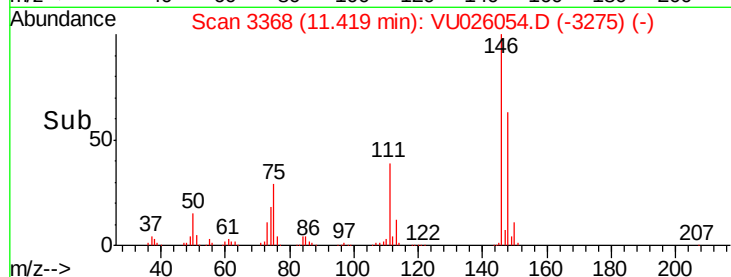


Abundance

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: 48.452 ug/L

RT: 11.51 min Scan# 3396

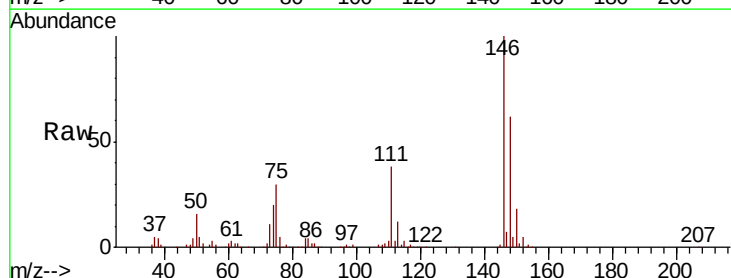
Delta R.T. 0.00 min

Lab File: VU026054.D

Acq: 13 Aug 2018 08:33

Tgt Ion:146 Resp: 231100

Ion	Ratio	Lower	Upper
146	100		
111	37.7	26.4	49.0
148	62.4	43.8	81.4

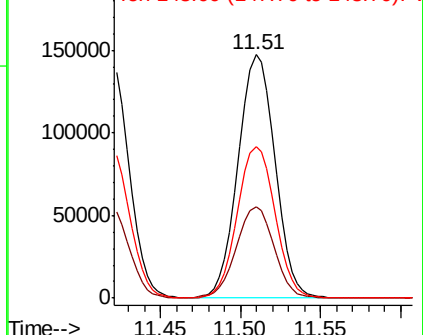
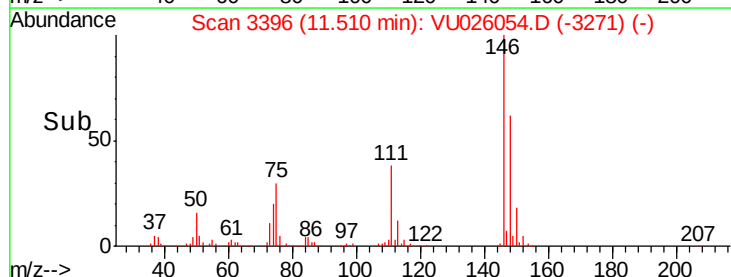


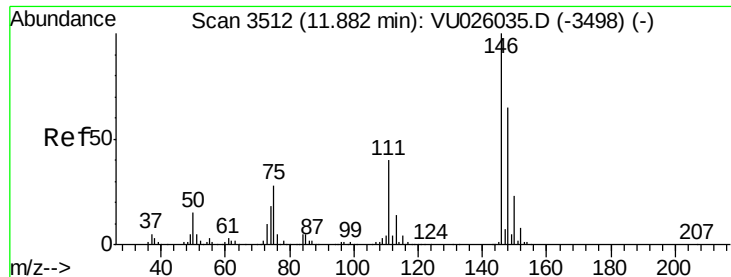
Abundance

Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

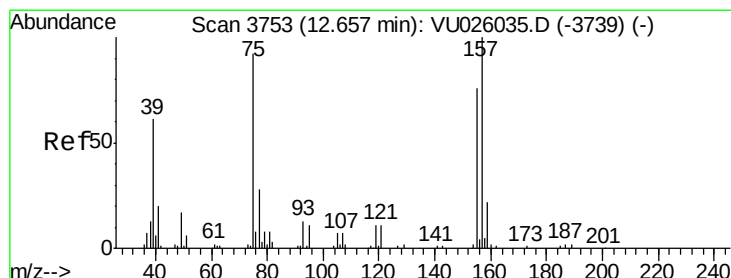
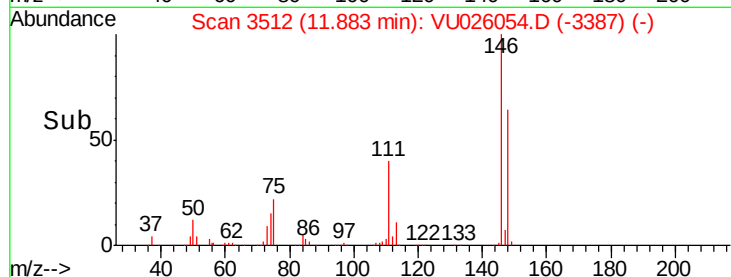
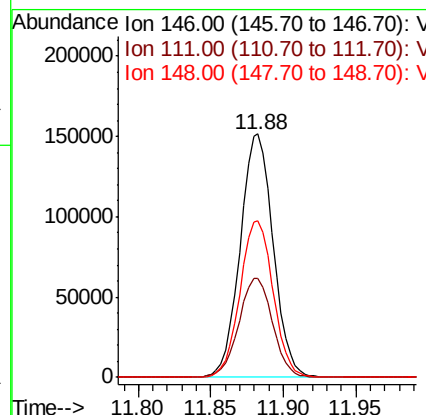
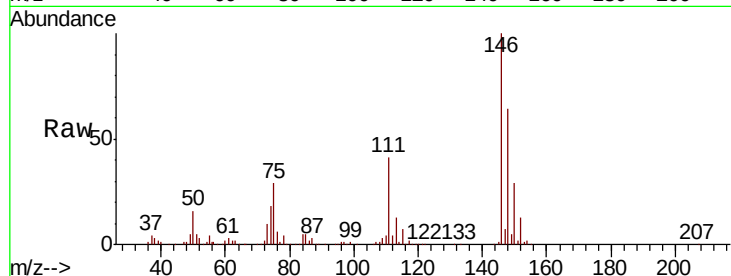




#65
 1,2-Dichlorobenzene
 Concen: 49.409 ug/L
 RT: 11.88 min Scan# 3512
 Delta R.T. 0.00 min
 Lab File: VU026054.D
 Acq: 13 Aug 2018 08:33

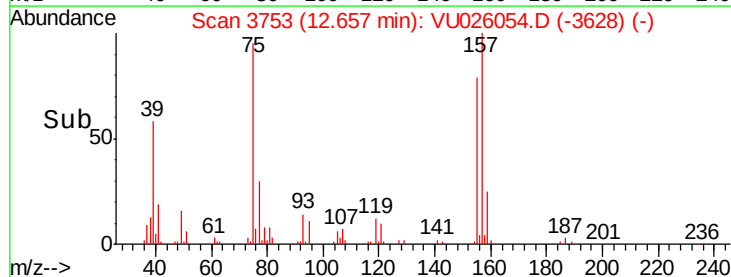
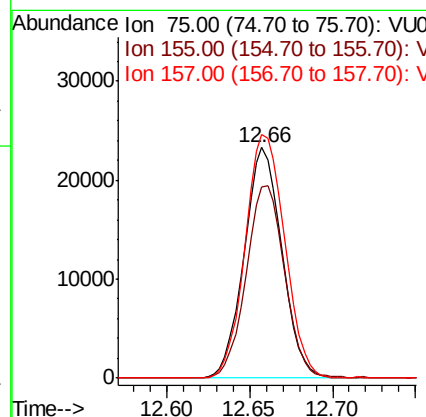
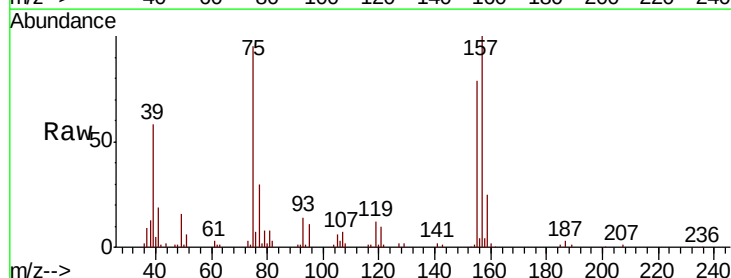
Instrument :
 MSVOA_U
 ClientSampleId :

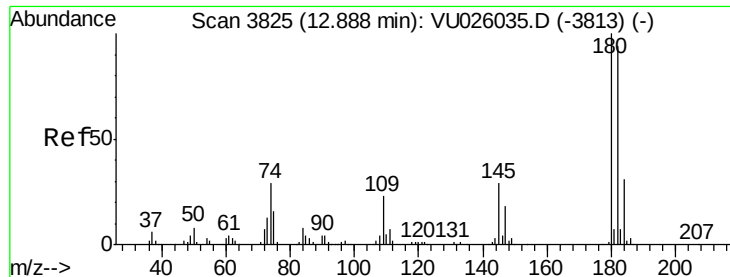
Tot Ion	Ratio	Lower	Upper
146	100		
111	40.6	32.4	48.6
148	64.4	50.1	75.1



#66
 1,2-Dibromo-3-chloropropane
 Concen: 43.446 ug/L
 RT: 12.66 min Scan# 3753
 Delta R.T. 0.00 min
 Lab File: VU026054.D
 Acq: 13 Aug 2018 08:33

Tgt Ion	Ratio	Lower	Upper
75	100		
155	83.2	71.8	107.8
157	105.7	93.0	139.6

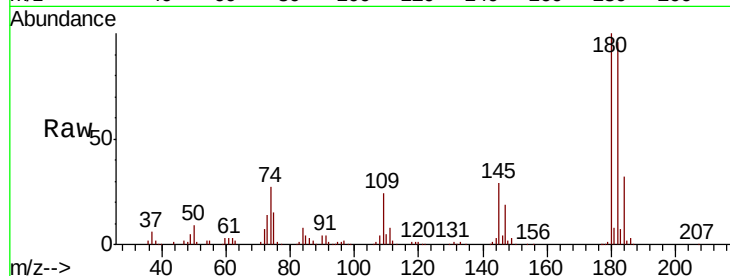




#67
 1,3,5-Trichlorobenzene
 Concen: 52.220 ug/L
 RT: 12.89 min Scan# 3825
 Delta R.T. 0.00 min
 Lab File: VU026054.D
 Acq: 13 Aug 2018 08:33

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.7	76.5	114.7
184	30.7	24.3	36.5
145	28.1	23.5	35.3



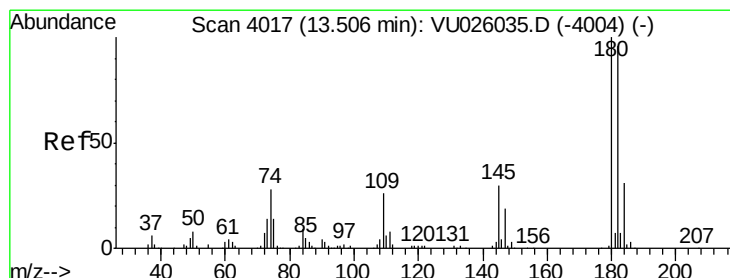
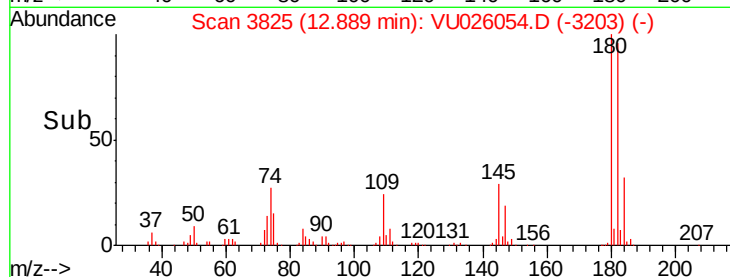
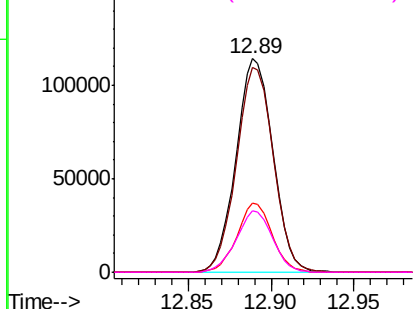
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

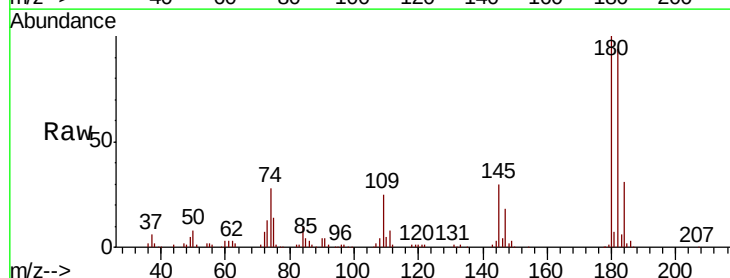
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 50.076 ug/L
 RT: 13.51 min Scan# 4017
 Delta R.T. 0.00 min
 Lab File: VU026054.D
 Acq: 13 Aug 2018 08:33

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.6	76.5	114.7
145	29.6	24.2	36.4

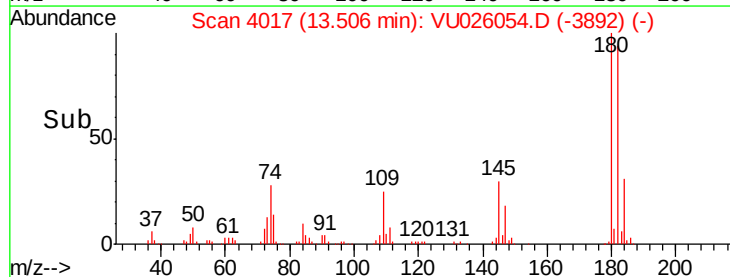
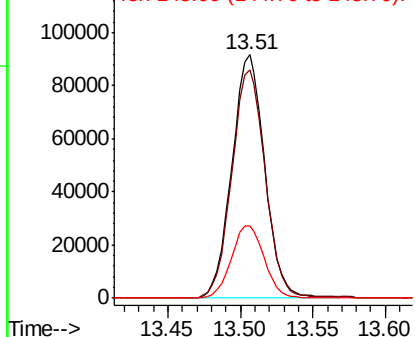


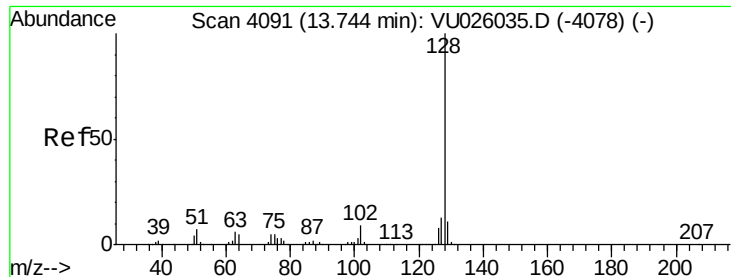
Abundance

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: 44.768 ug/L

RT: 13.74 min Scan# 4091

Delta R.T. 0.00 min

Lab File: VU026054.D

Acq: 13 Aug 2018 08:33

Instrument :

MSVOA_U

ClientSampleId :

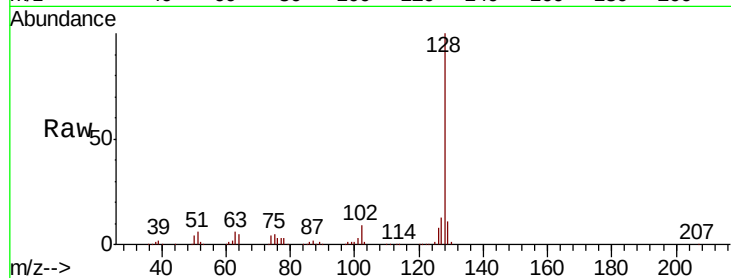
Tot Ion:128 Resp: 415319

Ion Ratio Lower Upper

128 100

127 13.0 10.3 15.5

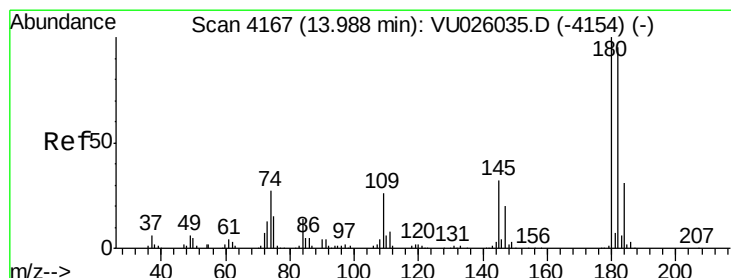
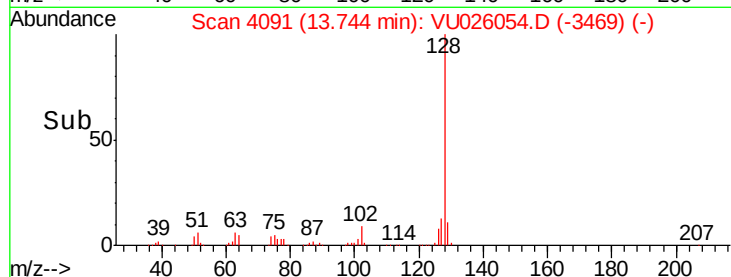
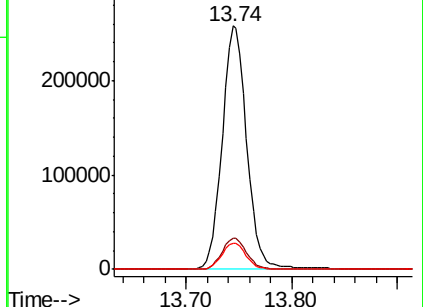
129 10.8 8.6 13.0



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#70

1,2,3-Trichlorobenzene

Concen: 48.905 ug/L

RT: 13.99 min Scan# 4167

Delta R.T. 0.00 min

Lab File: VU026054.D

Acq: 13 Aug 2018 08:33

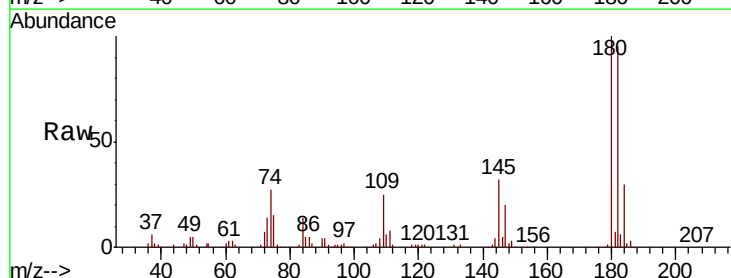
Tgt Ion:180 Resp: 151153

Ion Ratio Lower Upper

180 100

182 95.0 76.5 114.7

145 31.7 24.7 37.1



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

