

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU080918\
 Data File : VU026010.D
 Acq On : 09 Aug 2018 20:51
 Operator : MD/SY
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Aug 10 05:18:59 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM080918WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Aug 10 05:14:50 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.89	114	309917	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	297606	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.49	152	149847	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	98492	43.48	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	86.96%
7) Chloroethane-d5	1.68	69	82010	45.66	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	91.32%
11) 1,1-Dichloroethene-d2	2.27	63	194685	45.23	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	90.46%
21) 2-Butanone-d5	4.18	46	175611	93.01	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	93.01%
24) Chloroform-d	4.65	84	228775	47.62	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.24%
26) 1,2-Dichloroethane-d4	5.31	65	149932	46.20	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	92.40%
32) Benzene-d6	5.35	84	432595	46.81	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	93.62%
36) 1,2-Dichloropropane-d6	6.34	67	140958	47.14	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	94.28%
41) Toluene-d8	7.57	98	412007	46.60	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	93.20%
43) trans-1,3-Dichloropropene-	7.85	79	68677	45.58	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	91.16%
47) 2-Hexanone-d5	8.31	63	130000	95.72	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	95.72%
57) 1,1,2,2-Tetrachloroethane-	10.44	84	206646	47.26	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	94.52%
64) 1,2-Dichlorobenzene-d4	11.86	152	173771	47.04	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	94.08%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.20	85	136513	50.560	ug/L 100
3) Chloromethane	1.33	50	124201	51.266	ug/L 98
5) Vinyl chloride	1.40	62	119592	51.157	ug/L 98
6) Bromomethane	1.62	94	70435	56.345	ug/L 96
8) Chloroethane	1.70	64	71233	50.709	ug/L 95
9) Trichlorofluoromethane	1.89	101	168493	50.377	ug/L 100
10) 1,1,2-Trichloro-1,2,2-trif	2.29	101	94362	48.499	ug/L 100
12) 1,1-Dichloroethene	2.28	96	87137	48.699	ug/L 87
13) Acetone	2.32	43	104254	88.886	ug/L 100
14) Carbon disulfide	2.48	76	297033	50.459	ug/L 100
15) Methyl Acetate	2.62	43	122024	49.668	ug/L 100
16) Methylene chloride	2.70	84	112975	49.458	ug/L 97
17) trans-1,2-Dichloroethene	2.99	96	102366	51.345	ug/L 96
18) Methyl tert-butyl Ether	3.00	73	333421	50.890	ug/L 100
19) 1,1-Dichloroethane	3.45	63	197623	51.108	ug/L 98
20) cis-1,2-Dichloroethene	4.23	96	115996	50.566	ug/L 100
22) 2-Butanone	4.26	43	167229	98.538	ug/L 98

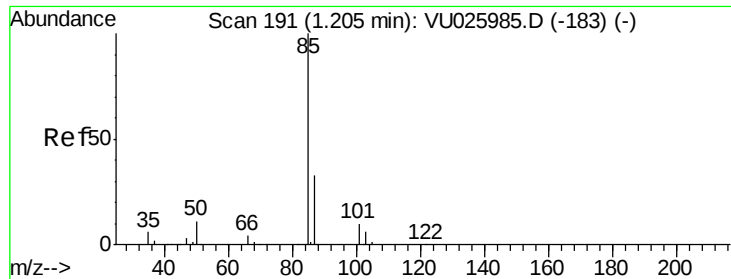
Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU080918\
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.55	128	62185	50.897	ug/L	96
25) Chloroform	4.68	83	205172	50.954	ug/L	99
27) 1,2-Dichloroethane	5.41	62	165502	49.765	ug/L	99
29) Cyclohexane	5.00	56	167345	50.311	ug/L	99
30) 1,1,1-Trichloroethane	4.92	97	184412	49.111	ug/L	99
31) Carbon tetrachloride	5.14	117	170025	49.586	ug/L	100
33) Benzene	5.39	78	430056	50.736	ug/L	100
34) Trichloroethene	6.19	95	109935	49.645	ug/L	98
35) Methylcyclohexane	6.42	83	174200	51.520	ug/L	99
37) 1,2-Dichloropropane	6.44	63	117696	50.746	ug/L	100
38) Bromodichloromethane	6.76	83	156447	50.631	ug/L	98
39) cis-1,3-Dichloropropene	7.27	75	167915	47.769	ug/L	98
40) 4-Methyl-2-pentanone	7.46	43	318952	100.087	ug/L	99
42) Toluene	7.64	91	465803	51.772	ug/L	98
44) trans-1,3-Dichloropropene	7.88	75	165882	49.579	ug/L	100
45) 1,1,2-Trichloroethane	8.07	97	111727	50.527	ug/L	97
46) Tetrachloroethene	8.23	164	95555	50.705	ug/L	99
48) 2-Hexanone	8.36	43	244033	98.293	ug/L	99
49) Dibromochloromethane	8.48	129	136267	51.105	ug/L	98
50) 1,2-Dibromoethane	8.59	107	121362	50.394	ug/L	99
51) Chlorobenzene	9.12	112	310255	51.143	ug/L	99
52) Ethylbenzene	9.25	91	502221	51.013	ug/L	100
53) m,p-Xylene	9.38	106	193316	51.388	ug/L	99
54) o-xylene	9.78	106	194161	52.003	ug/L	97
55) Styrene	9.80	104	328758	52.888	ug/L	99
56) Isopropylbenzene	10.17	105	504256	52.425	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.46	83	187673	49.939	ug/L	100
59) 1,2,3-Trichloropropane	10.50	75	147595	49.342	ug/L	99
61) Bromoform	9.96	173	100619	49.593	ug/L	99
62) 1,3-Dichlorobenzene	11.42	146	231760	49.680	ug/L	98
63) 1,4-Dichlorobenzene	11.51	146	245893	50.281	ug/L	98
65) 1,2-Dichlorobenzene	11.88	146	254048	51.162	ug/L	98
66) 1,2-Dibromo-3-chloropropan	12.66	75	42607	48.887	ug/L	92
67) 1,3,5-Trichlorobenzene	12.89	180	174697	50.106	ug/L	99
68) 1,2,4-trichlorobenzene	13.51	180	151205	51.284	ug/L	98
69) Naphthalene	13.75	128	485405	51.032	ug/L	100
70) 1,2,3-Trichlorobenzene	13.99	180	160922	50.781	ug/L	98

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



#2

Dichlorodifluoromethane

Concen: 50.560 ug/L

RT: 1.20 min Scan# 191

Delta R.T. -0.00 min

Lab File: VU026010.D

Acq: 09 Aug 2018 20:51

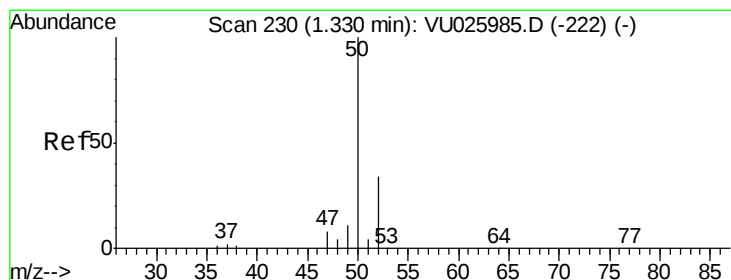
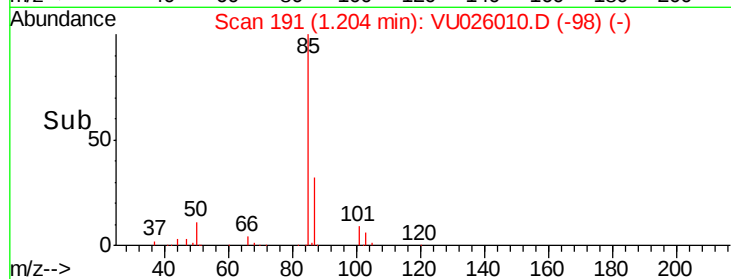
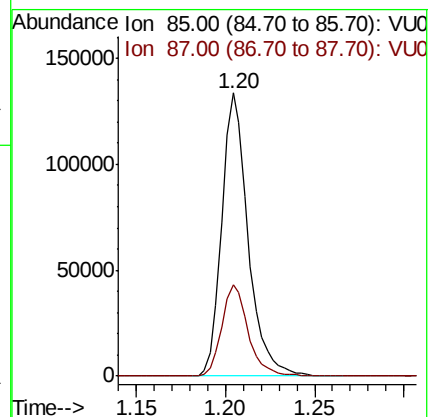
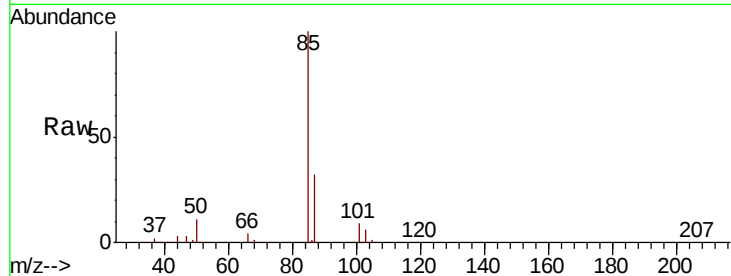
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 85 Resp: 136513

Ion Ratio Lower Upper

85 100

87 32.3 26.1 39.1



#3

Chloromethane

Concen: 51.266 ug/L

RT: 1.33 min Scan# 230

Delta R.T. -0.00 min

Lab File: VU026010.D

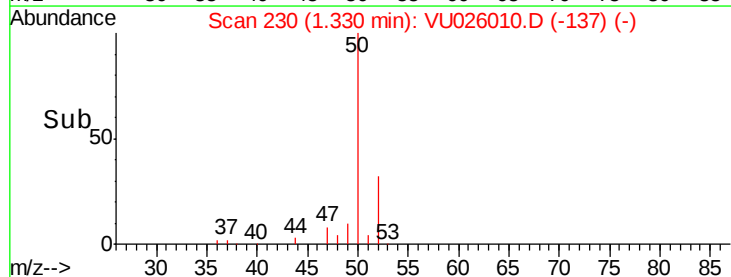
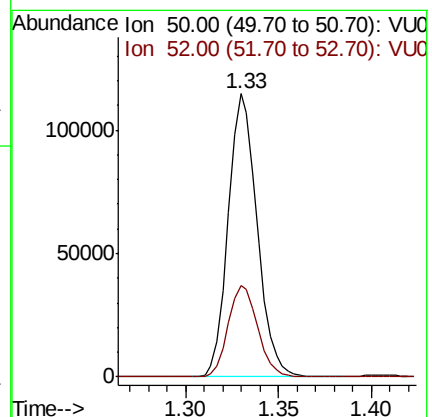
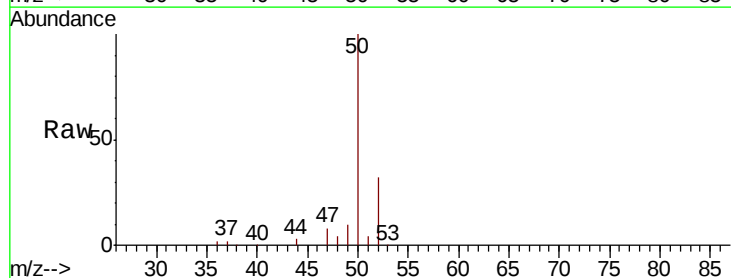
Acq: 09 Aug 2018 20:51

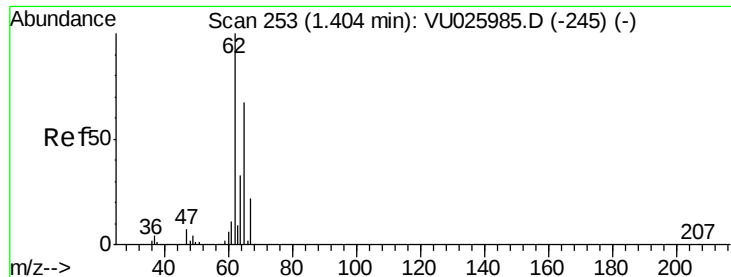
Tgt Ion: 50 Resp: 124201

Ion Ratio Lower Upper

50 100

52 32.3 23.4 43.4





#5

Vinyl chloride

Concen: 51.157 ug/L

RT: 1.40 min Scan# 253

Delta R.T. -0.00 min

Lab File: VU026010.D

Acq: 09 Aug 2018 20:51

Instrument :

MSVOA_U

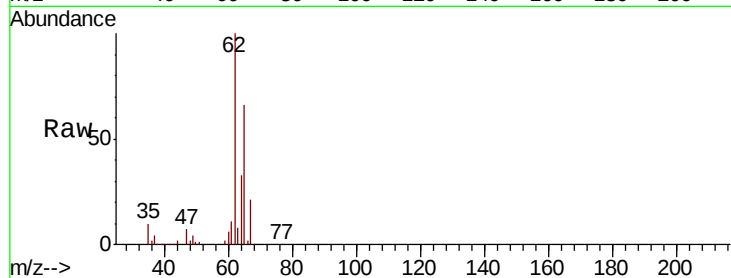
ClientSampleId :

Tot Ion: 62 Resp: 119592

Ion Ratio Lower Upper

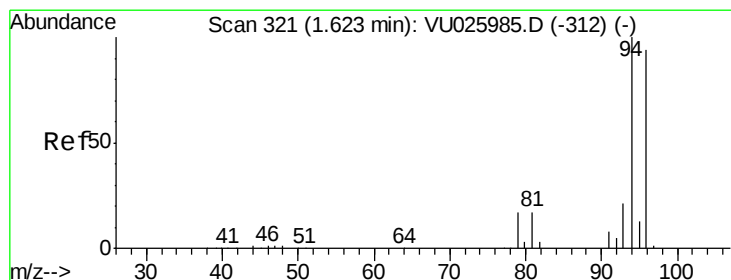
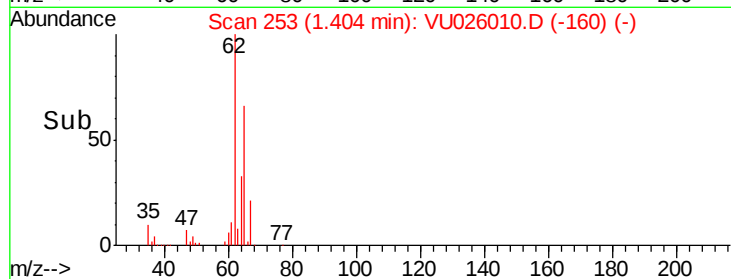
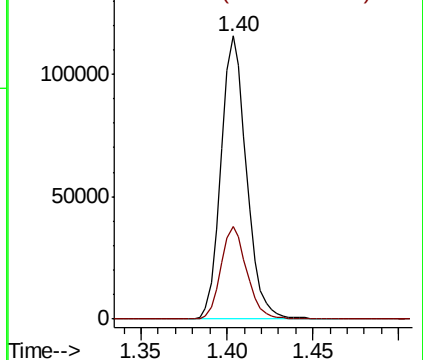
62 100

64 32.5 23.7 43.9



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 64.00 (63.70 to 64.70): VU0



#6

Bromomethane

Concen: 56.345 ug/L

RT: 1.62 min Scan# 321

Delta R.T. -0.00 min

Lab File: VU026010.D

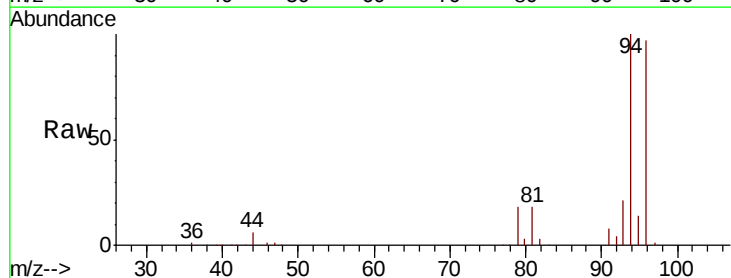
Acq: 09 Aug 2018 20:51

Tgt Ion: 94 Resp: 70435

Ion Ratio Lower Upper

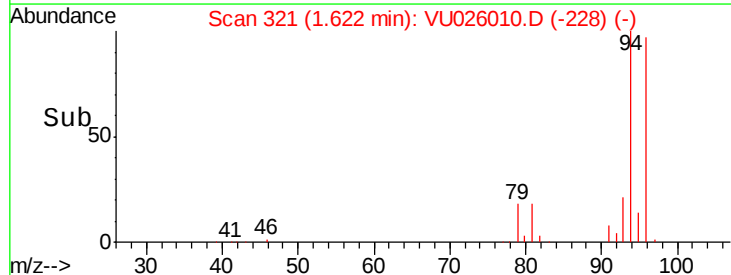
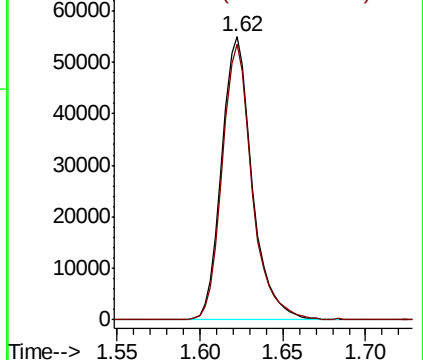
94 100

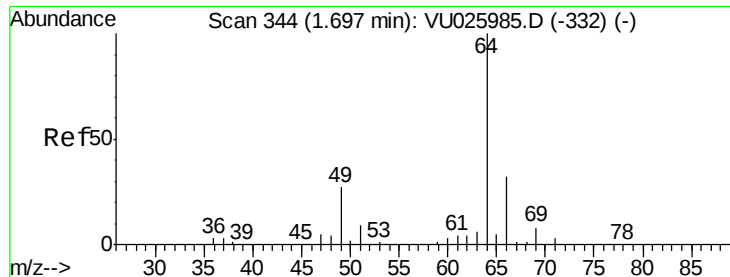
96 97.3 65.6 121.8



Abundance Ion 94.00 (93.70 to 94.70): VU0

Ion 96.00 (95.70 to 96.70): VU0

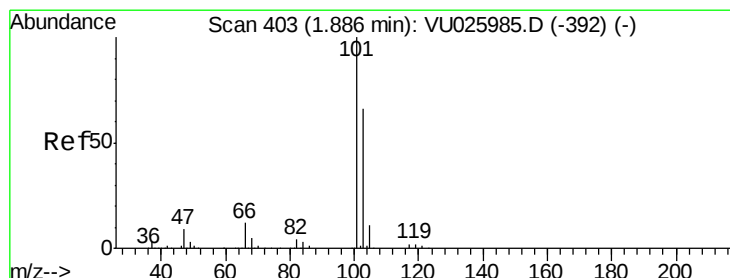
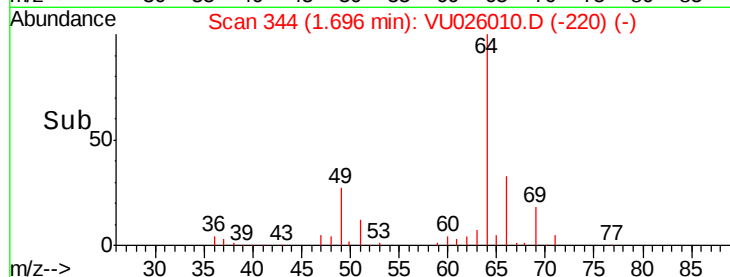
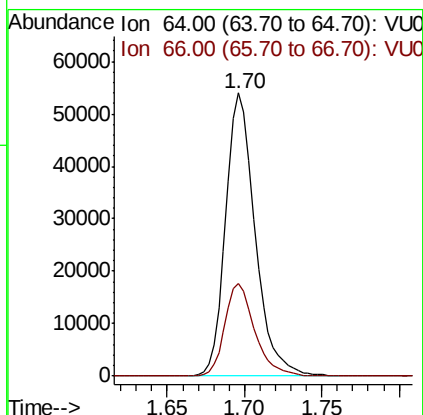
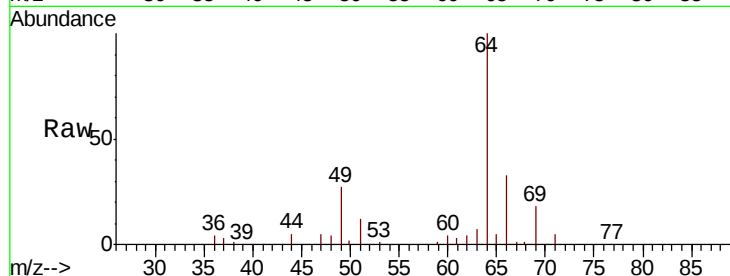




#8
Chloroethane
Concen: 50.709 ug/L
RT: 1.70 min Scan# 344
Delta R.T. -0.00 min
Lab File: VU026010.D
Acq: 09 Aug 2018 20:51

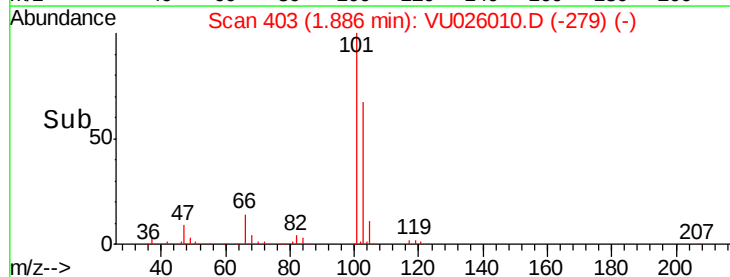
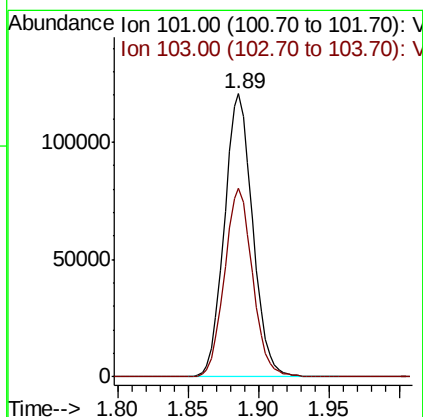
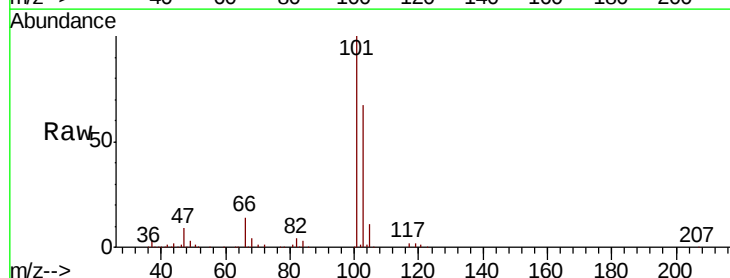
Instrument :
MSVOA_U
ClientSampleId :

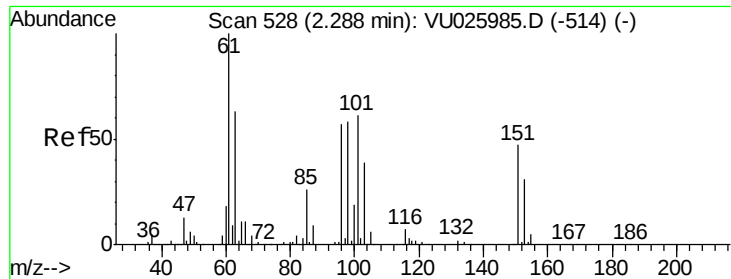
Tot Ion: 64 Resp: 71233
Ion Ratio Lower Upper
64 100
66 33.0 21.2 39.4



#9
Trichlorofluoromethane
Concen: 50.377 ug/L
RT: 1.89 min Scan# 403
Delta R.T. -0.00 min
Lab File: VU026010.D
Acq: 09 Aug 2018 20:51

Tgt Ion:101 Resp: 168493
Ion Ratio Lower Upper
101 100
103 66.3 52.7 79.1





#10

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

Concen: 48.499 ug/L

RT: 2.29 min Scan# 528

Delta R.T. -0.00 min

Lab File: VU026010.D

Acq: 09 Aug 2018 20:51

Instrument :

MSVOA_U

ClientSampleId :

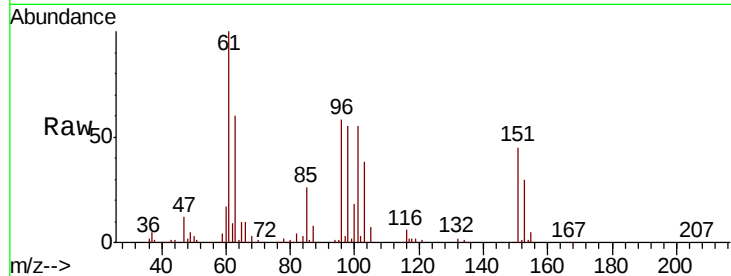
Tot Ion:101 Resp: 94362

Ion Ratio Lower Upper

101 100

85 44.5 36.0 54.0

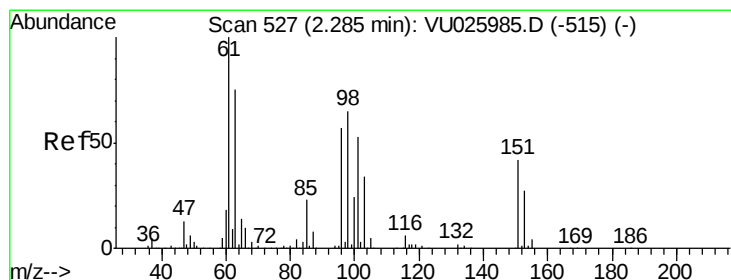
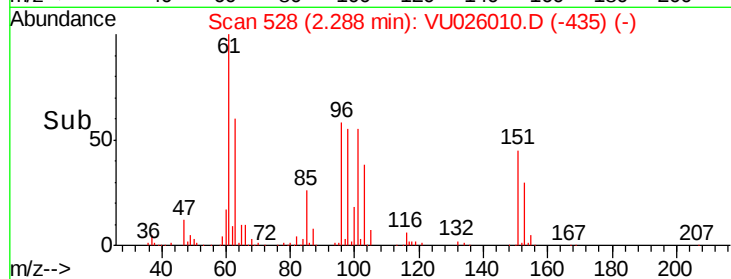
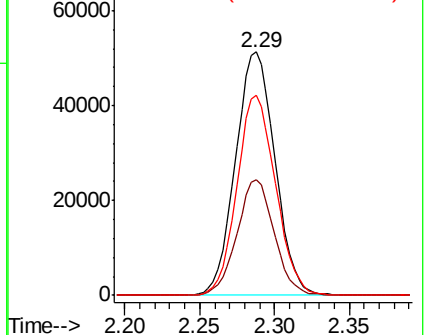
151 80.4 64.2 96.2



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: 48.699 ug/L

RT: 2.28 min Scan# 527

Delta R.T. -0.00 min

Lab File: VU026010.D

Acq: 09 Aug 2018 20:51

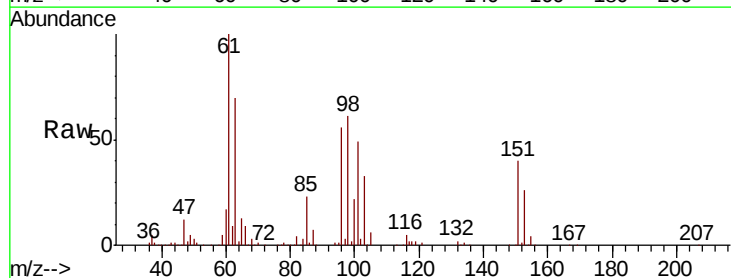
Tgt Ion: 96 Resp: 87137

Ion Ratio Lower Upper

96 100

61 179.9 121.2 225.2

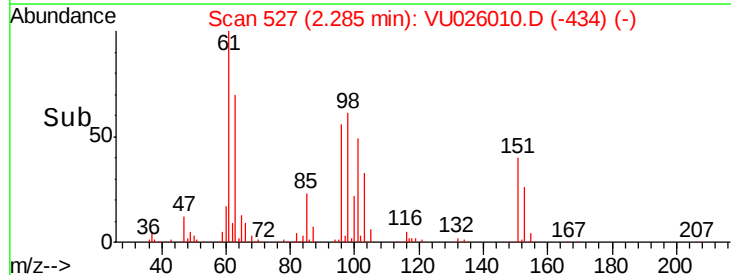
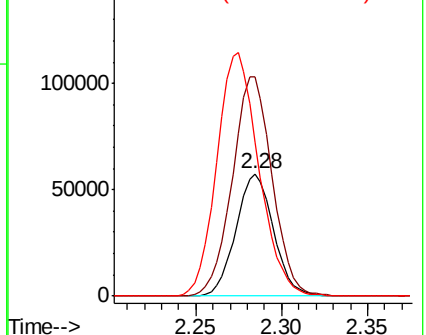
63 126.5 108.7 201.9

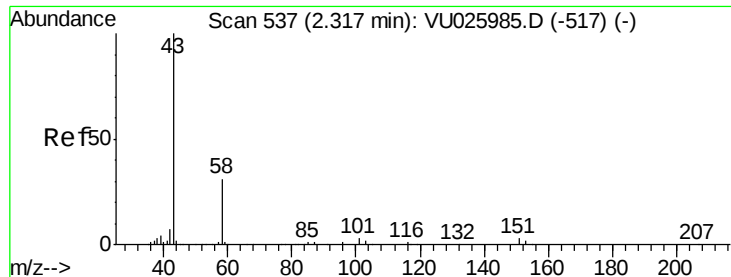


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 88.886 ug/L

RT: 2.32 min Scan# 538

Delta R.T. 0.00 min

Lab File: VU026010.D

Acq: 09 Aug 2018 20:51

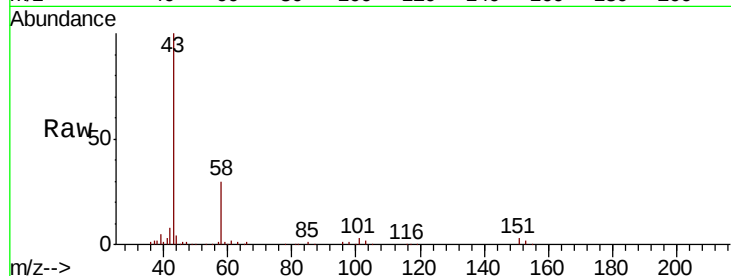
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 43 Resp: 104254

Ion Ratio Lower Upper

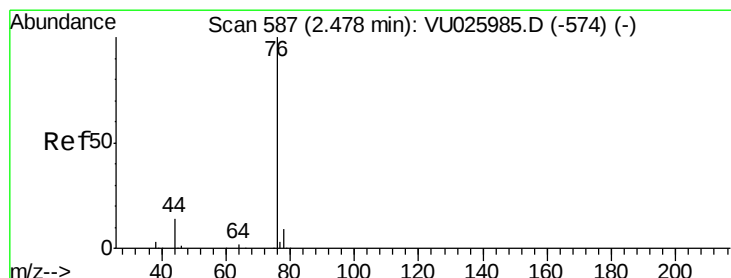
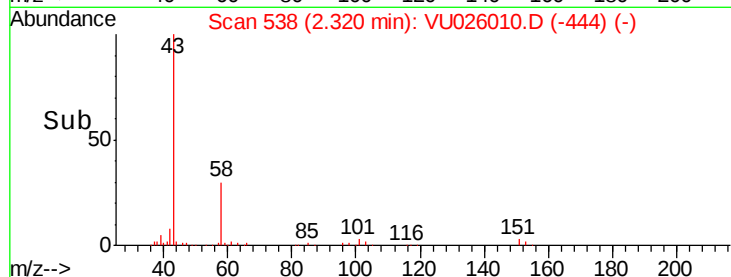
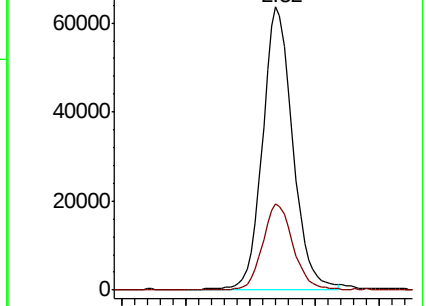
43 100

58 30.8 0.0 61.8



Abundance Ion 43.00 (42.70 to 43.70): VU025985.D (-517) (-)

Ion 58.00 (57.70 to 58.70): VU025985.D (-517) (-)



#14

Carbon disulfide

Concen: 50.459 ug/L

RT: 2.48 min Scan# 587

Delta R.T. -0.00 min

Lab File: VU026010.D

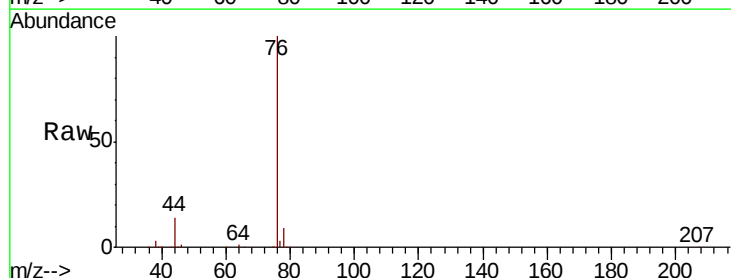
Acq: 09 Aug 2018 20:51

Tgt Ion: 76 Resp: 297033

Ion Ratio Lower Upper

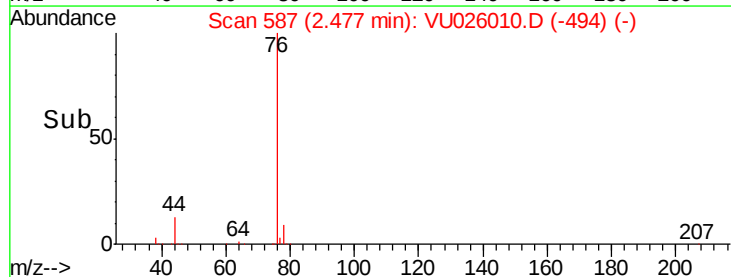
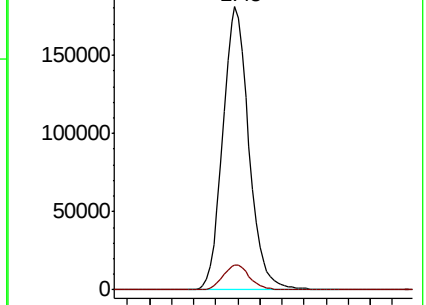
76 100

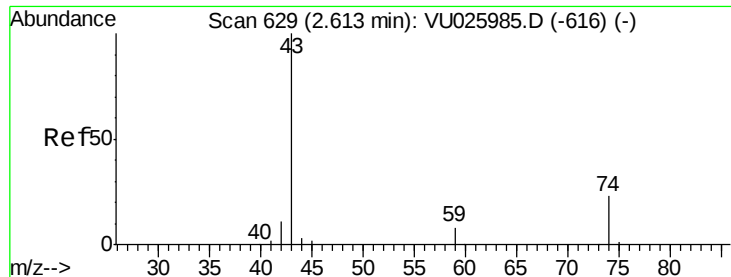
78 8.8 7.2 10.8



Abundance Ion 76.00 (75.70 to 76.70): VU025985.D (-574) (-)

Ion 78.00 (77.70 to 78.70): VU025985.D (-574) (-)





#15

Methvl Acetate

Concen: 49.668 ug/L

RT: 2.62 min Scan# 630

Delta R.T. 0.00 min

Lab File: VU026010.D

Acq: 09 Aug 2018 20:51

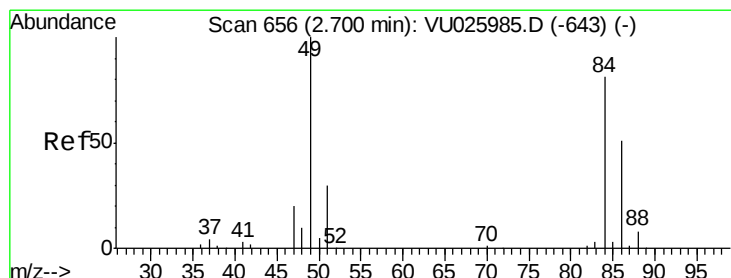
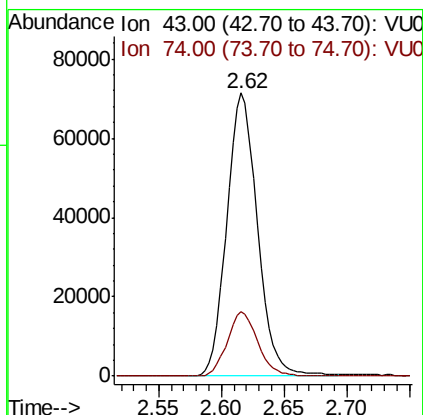
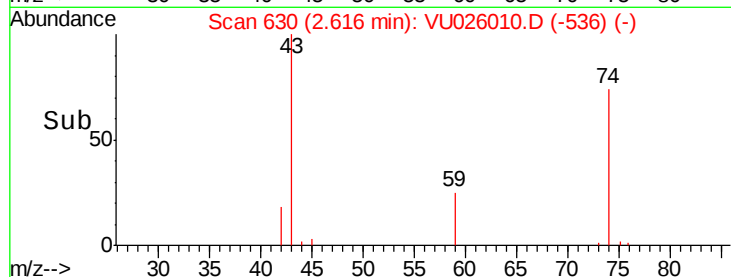
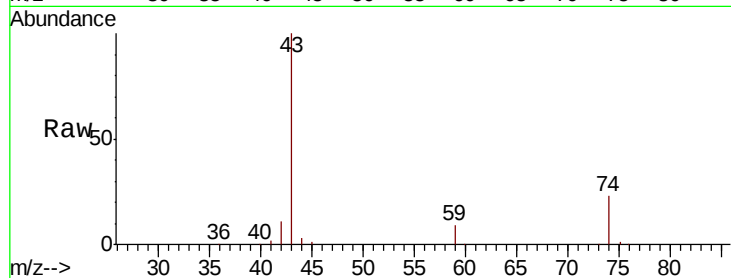
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 43 Resp: 122024

Ion Ratio Lower Upper

43 100

74 22.5 17.8 26.8



#16

Methylene chloride

Concen: 49.458 ug/L

RT: 2.70 min Scan# 657

Delta R.T. 0.00 min

Lab File: VU026010.D

Acq: 09 Aug 2018 20:51

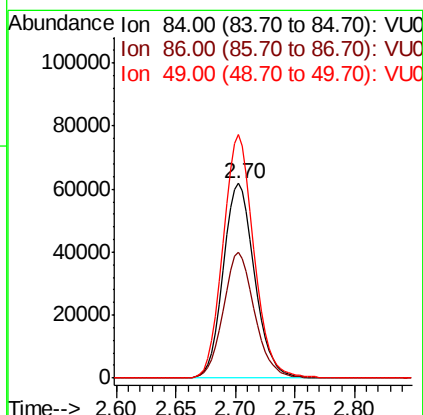
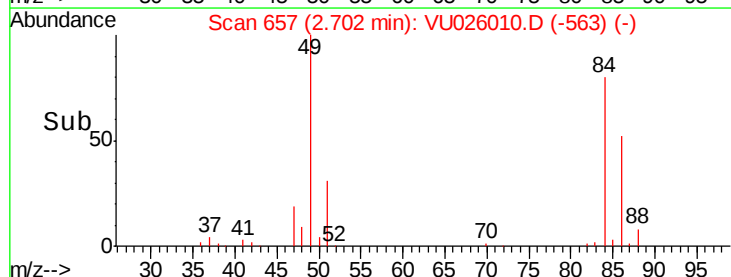
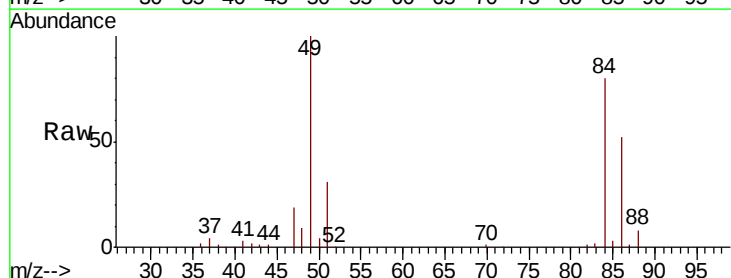
Tgt Ion: 84 Resp: 112975

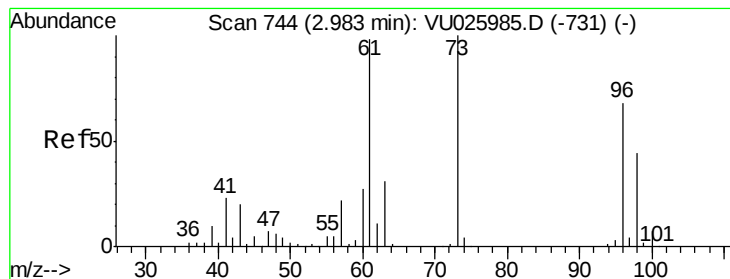
Ion Ratio Lower Upper

84 100

86 64.5 45.8 85.0

49 125.2 85.0 157.8





#17

trans-1,2-Dichloroethene

Concen: 51.345 ug/L

RT: 2.99 min Scan# 745

Delta R.T. 0.00 min

Lab File: VU026010.D

Acq: 09 Aug 2018 20:51

Instrument :
MSVOA_U
ClientSampleId :

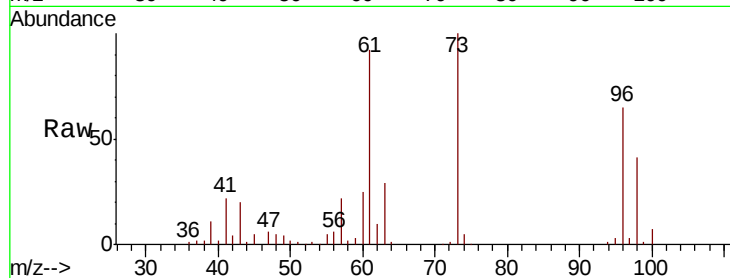
Tot Ion: 96 Resp: 102366

Ion Ratio Lower Upper

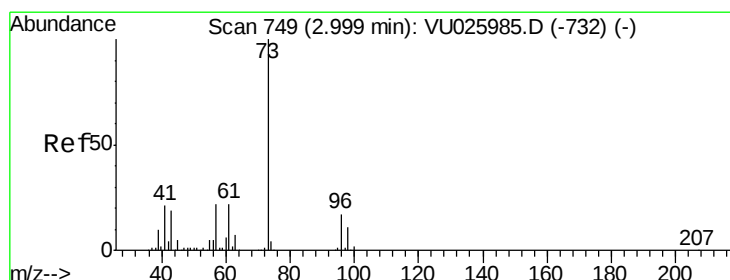
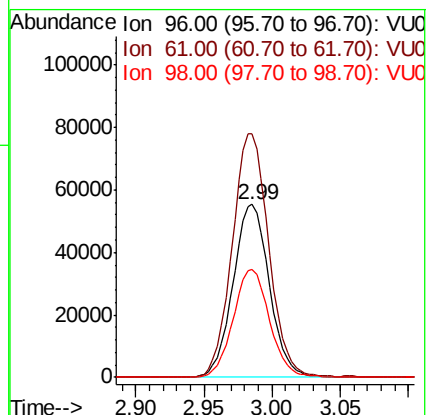
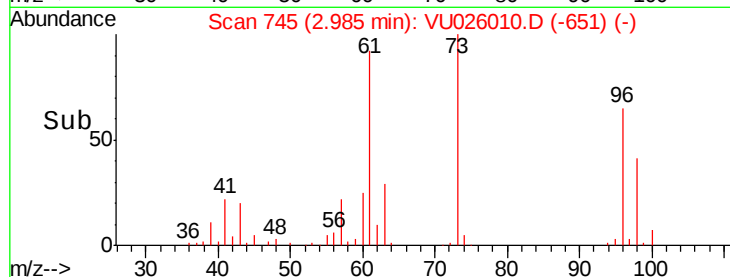
96 100

61 141.0 102.8 190.8

98 62.8 44.7 83.1



Abundance Ion 96.00 (95.70 to 96.70): VU0
Ion 61.00 (60.70 to 61.70): VU0
Ion 98.00 (97.70 to 98.70): VU0



#18

Methyl tert-butyl Ether

Concen: 50.890 ug/L

RT: 3.00 min Scan# 750

Delta R.T. 0.00 min

Lab File: VU026010.D

Acq: 09 Aug 2018 20:51

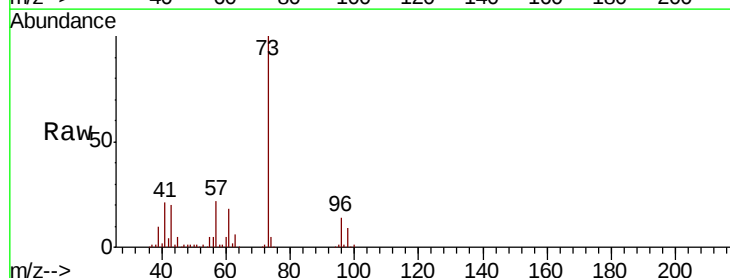
Tgt Ion: 73 Resp: 333421

Ion Ratio Lower Upper

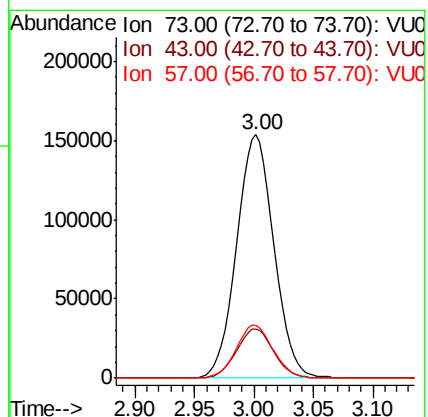
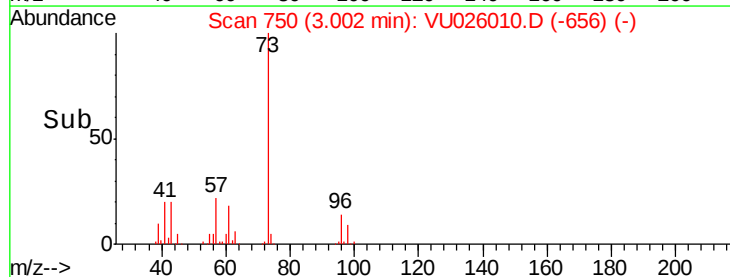
73 100

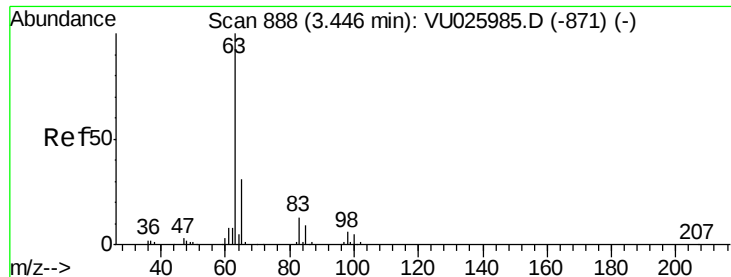
43 20.2 16.3 24.5

57 21.6 17.1 25.7



Abundance Ion 73.00 (72.70 to 73.70): VU0
Ion 43.00 (42.70 to 43.70): VU0
Ion 57.00 (56.70 to 57.70): VU0

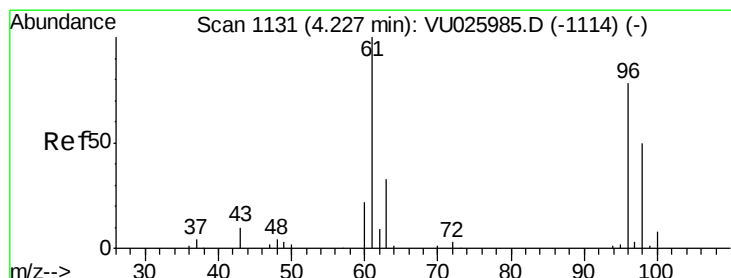
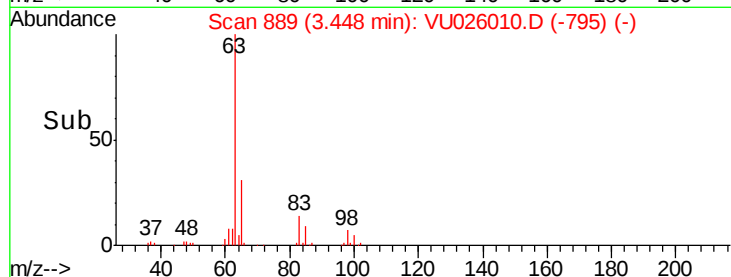
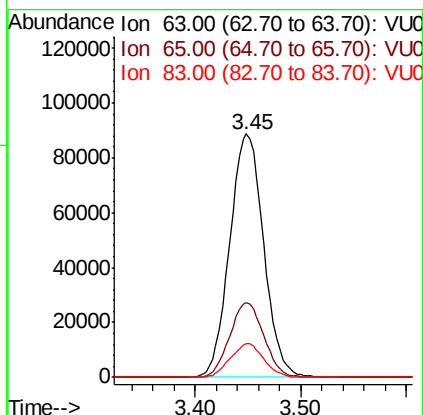
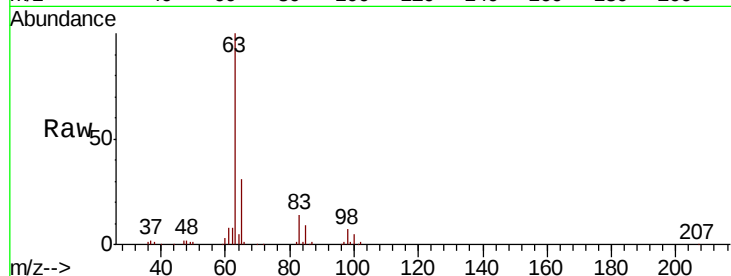




#19
 1,1-Dichloroethane
 Concen: 51.108 ug/L
 RT: 3.45 min Scan# 889
 Delta R.T. 0.00 min
 Lab File: VU026010.D
 Acq: 09 Aug 2018 20:51

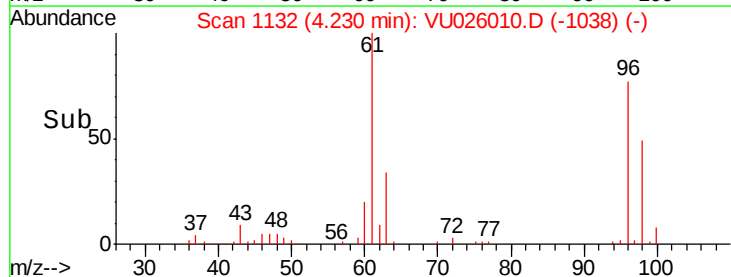
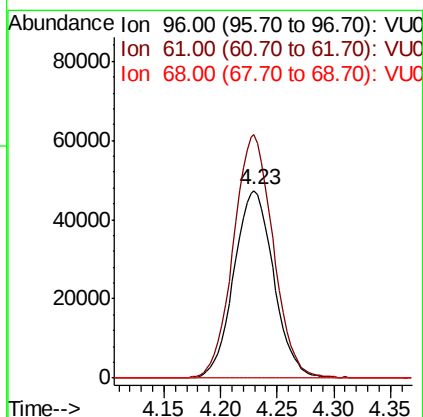
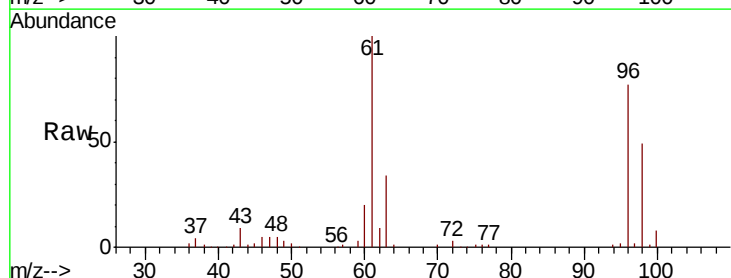
Instrument :
 MSVOA_U
 ClientSampled :

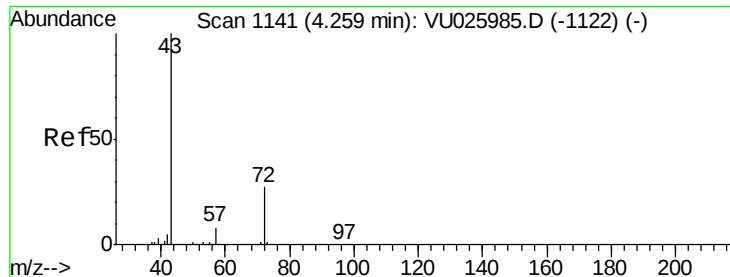
Tot Ion: 63 Resp: 197623
 Ion Ratio Lower Upper
 63 100
 65 30.8 22.4 41.6
 83 14.0 10.1 18.9



#20
 cis-1,2-Dichloroethene
 Concen: 50.566 ug/L
 RT: 4.23 min Scan# 1132
 Delta R.T. 0.00 min
 Lab File: VU026010.D
 Acq: 09 Aug 2018 20:51

Tgt Ion: 96 Resp: 115996
 Ion Ratio Lower Upper
 96 100
 61 129.6 90.7 168.5
 68 0.0 0.0 0.0





#22

2-Butanone

Concen: 98.538 ug/L

RT: 4.26 min Scan# 1142

Delta R.T. 0.00 min

Lab File: VU026010.D

Acq: 09 Aug 2018 20:51

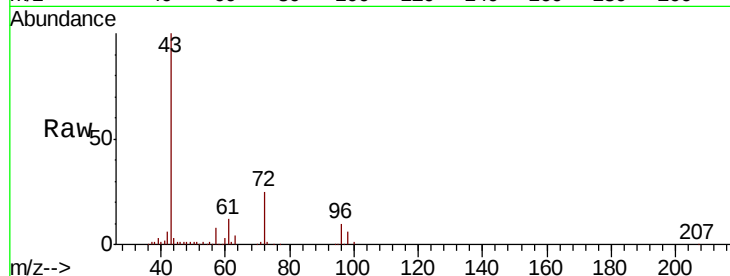
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 43 Resp: 167229

Ion Ratio Lower Upper

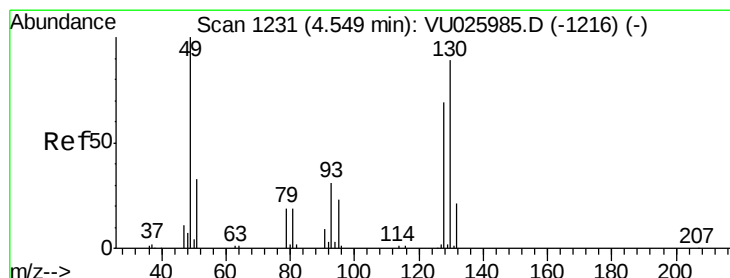
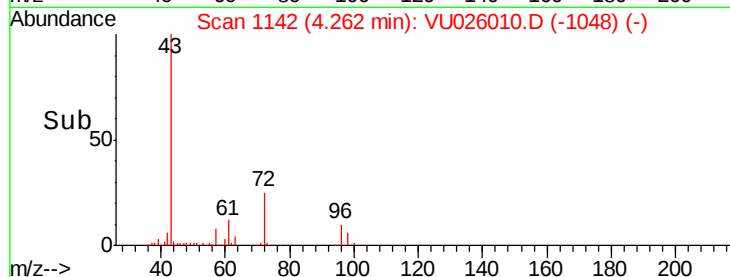
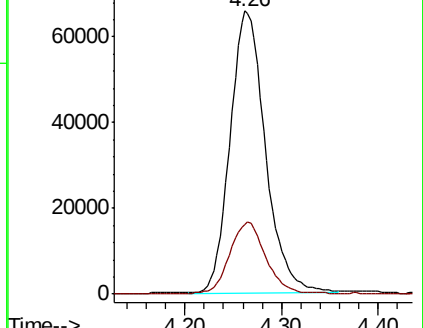
43 100

72 26.1 13.5 40.5



Abundance Ion 43.00 (42.70 to 43.70): VU026010.D (-1142) (-)

Ion 72.00 (71.70 to 72.70): VU026010.D (-1142) (-)



#23

Bromochloromethane

Concen: 50.897 ug/L

RT: 4.55 min Scan# 1233

Delta R.T. 0.01 min

Lab File: VU026010.D

Acq: 09 Aug 2018 20:51

Tgt Ion:128 Resp: 62185

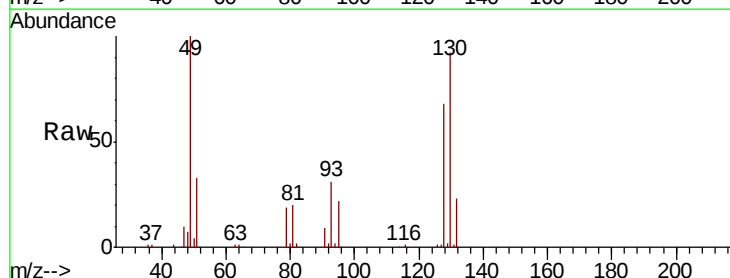
Ion Ratio Lower Upper

128 100

49 148.1 103.0 191.2

130 136.2 89.5 166.1

51 49.2 37.7 56.5

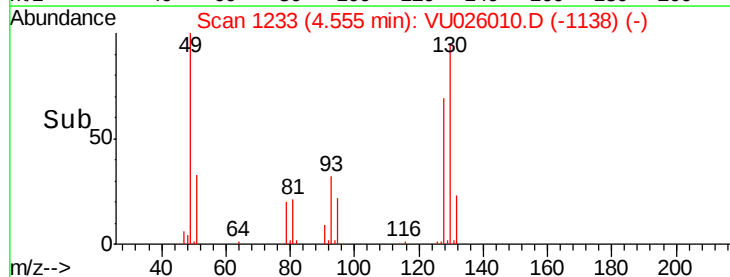
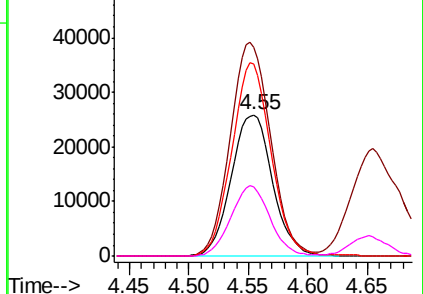


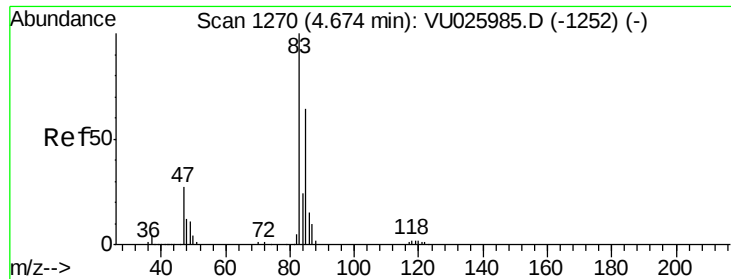
Abundance Ion 128.00 (127.70 to 128.70): VU026010.D (-1233) (-)

Ion 49.00 (48.70 to 49.70): VU026010.D (-1233) (-)

Ion 130.00 (129.70 to 130.70): VU026010.D (-1233) (-)

Ion 51.00 (50.70 to 51.70): VU026010.D (-1233) (-)





#25

Chloroform

Concen: 50.954 ug/L

RT: 4.68 min Scan# 1271

Delta R.T. 0.00 min

Lab File: VU026010.D

Acq: 09 Aug 2018 20:51

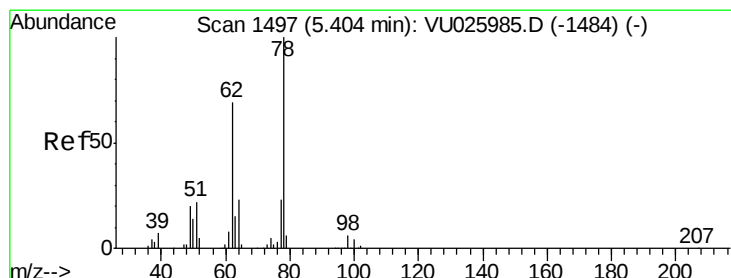
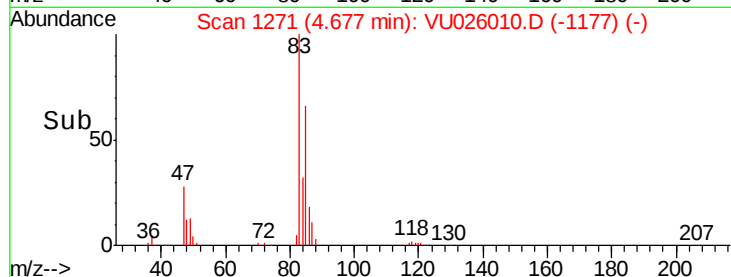
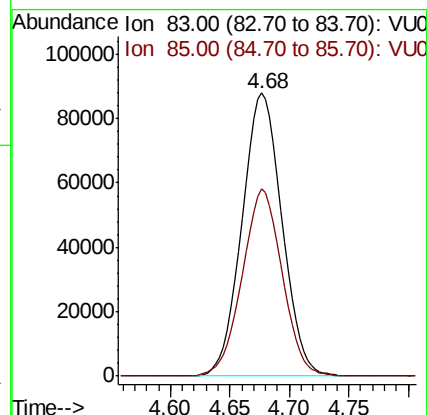
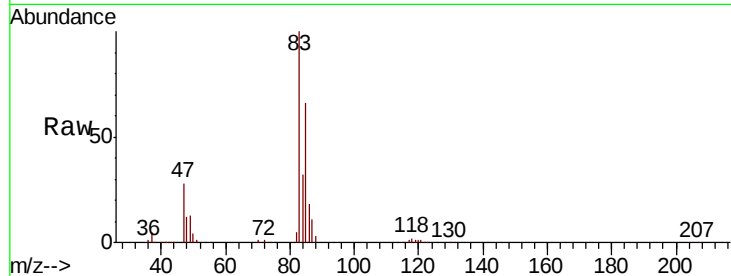
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 83 Resp: 205172

Ion Ratio Lower Upper

83 100

85 66.1 45.9 85.3



#27

1,2-Dichloroethane

Concen: 49.765 ug/L

RT: 5.41 min Scan# 1498

Delta R.T. 0.00 min

Lab File: VU026010.D

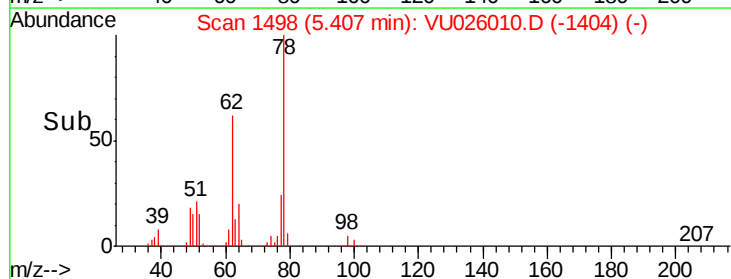
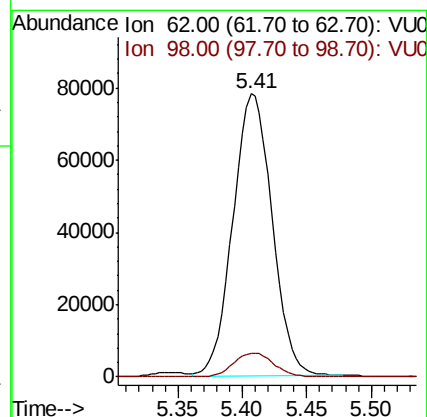
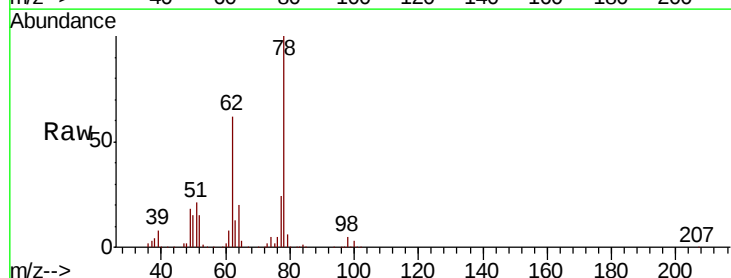
Acq: 09 Aug 2018 20:51

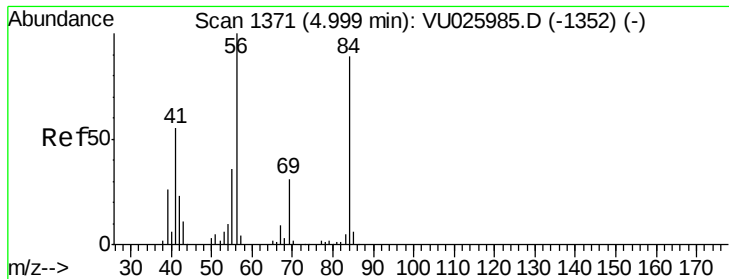
Tgt Ion: 62 Resp: 165502

Ion Ratio Lower Upper

62 100

98 8.4 7.0 10.4

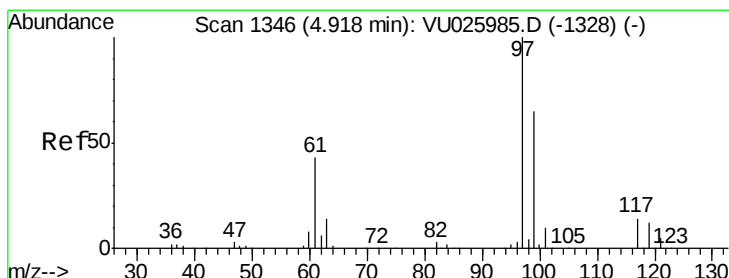
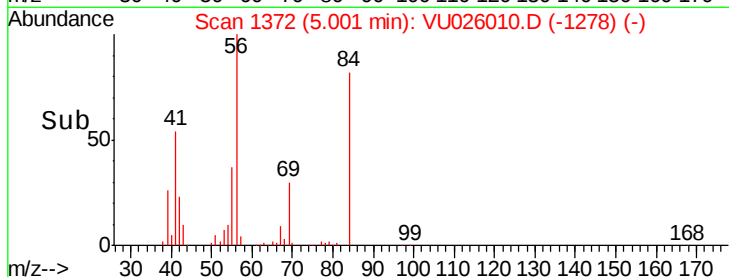
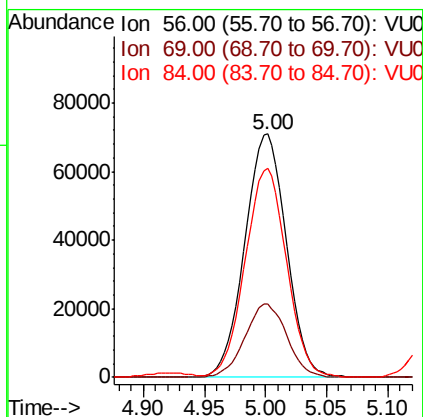
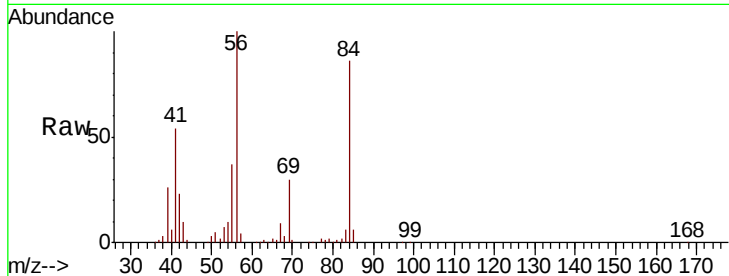




#29
Cyclohexane
Concen: 50.311 ug/L
RT: 5.00 min Scan# 1372
Delta R.T. 0.00 min
Lab File: VU026010.D
Acq: 09 Aug 2018 20:51

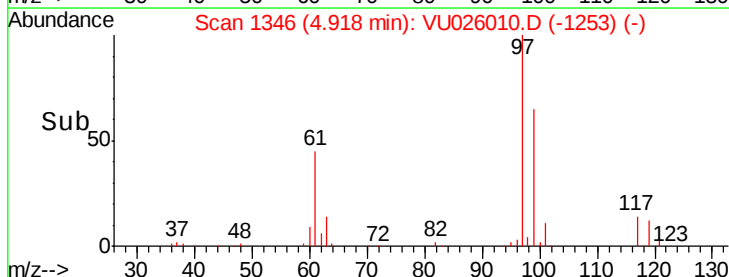
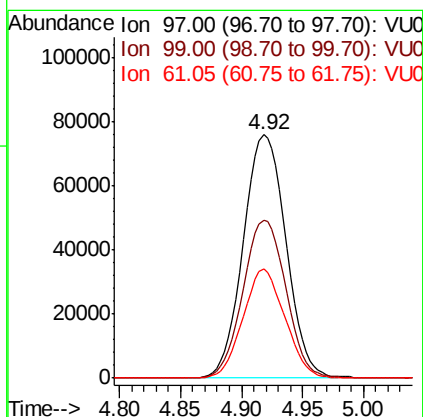
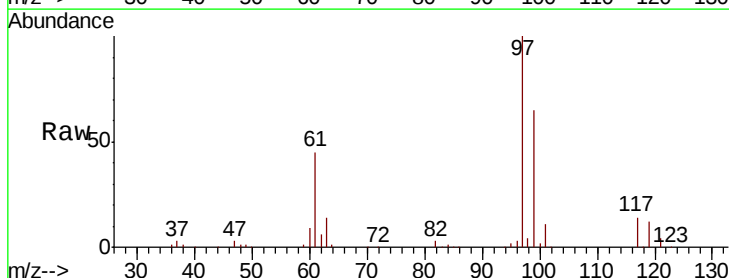
Instrument :
MSVOA_U
ClientSampled :

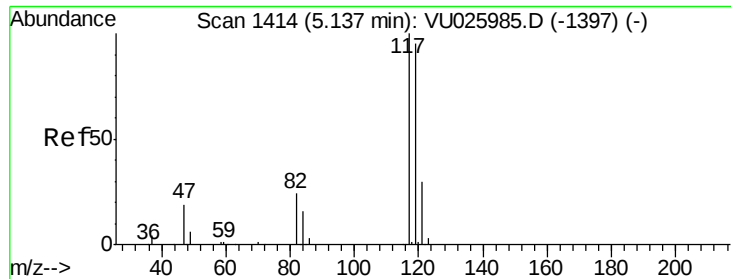
Tot Ion: 56 Resp: 167345
Ion Ratio Lower Upper
56 100
69 30.4 24.6 37.0
84 85.0 68.6 103.0



#30
1,1,1-Trichloroethane
Concen: 49.111 ug/L
RT: 4.92 min Scan# 1346
Delta R.T. -0.00 min
Lab File: VU026010.D
Acq: 09 Aug 2018 20:51

Tgt Ion: 97 Resp: 184412
Ion Ratio Lower Upper
97 100
99 65.2 51.8 77.6
61 43.8 34.7 52.1

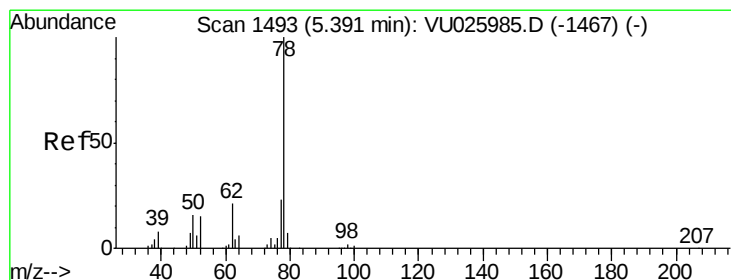
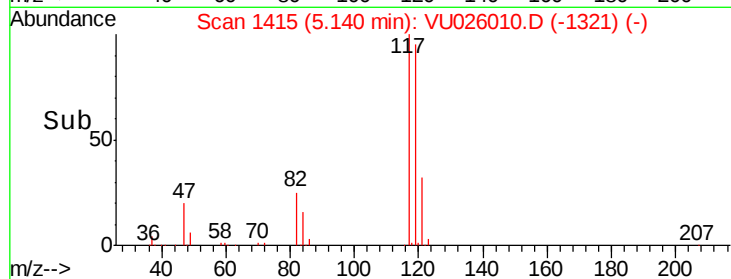
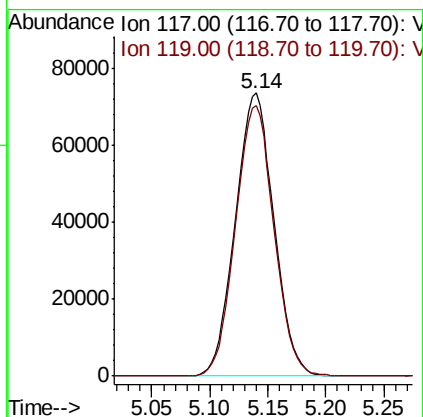
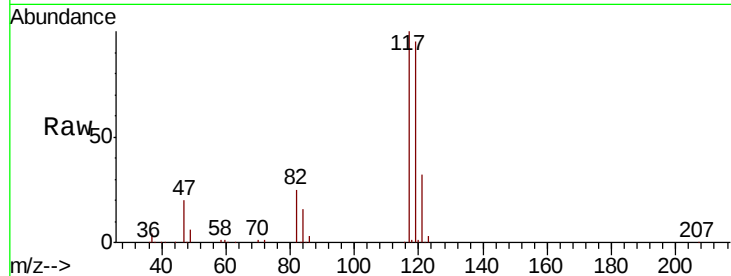




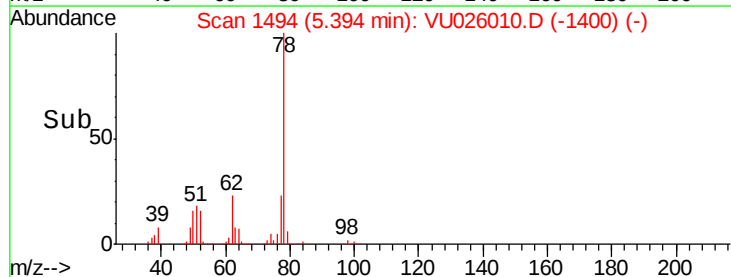
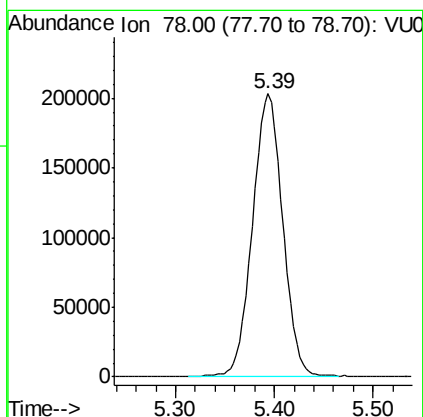
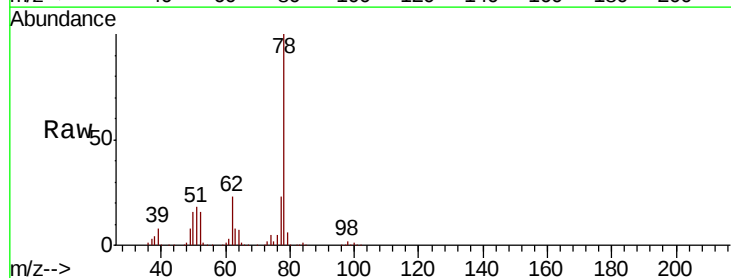
#31
Carbon tetrachloride
Concen: 49.586 ug/L
RT: 5.14 min Scan# 1415
Delta R.T. 0.00 min
Lab File: VU026010.D
Acq: 09 Aug 2018 20:51

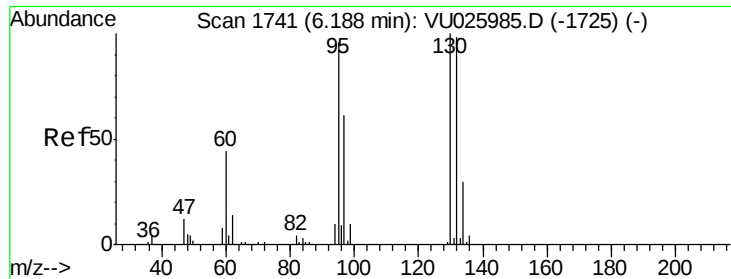
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion:117 Resp: 170025
Ion Ratio Lower Upper
117 100
119 95.5 76.3 114.5



#33
Benzene
Concen: 50.736 ug/L
RT: 5.39 min Scan# 1494
Delta R.T. 0.00 min
Lab File: VU026010.D
Acq: 09 Aug 2018 20:51
Tgt Ion: 78 Resp: 430056

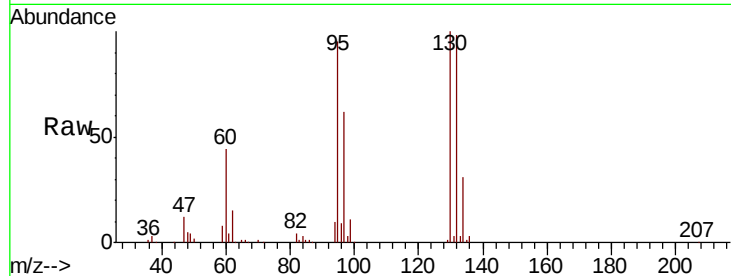




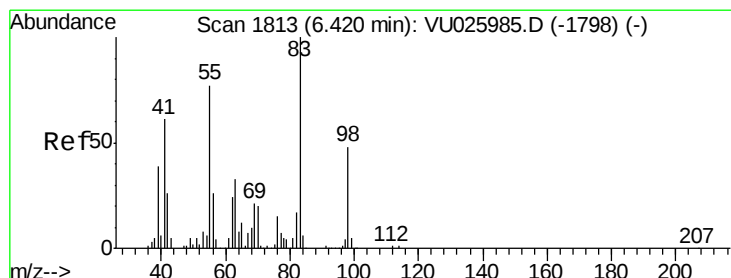
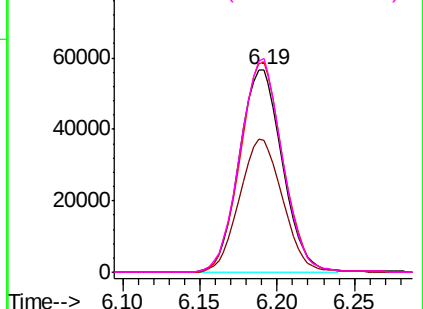
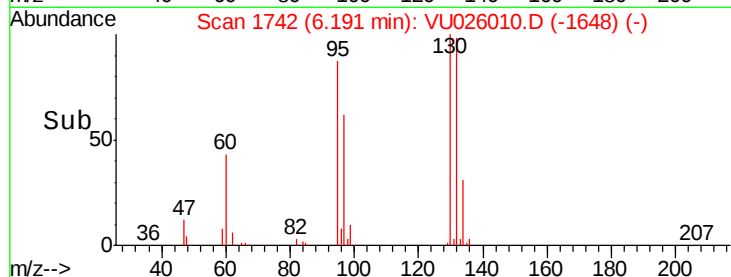
#34
 Trichloroethene
 Concen: 49.645 ug/L
 RT: 6.19 min Scan# 1742
 Delta R.T. 0.00 min
 Lab File: VU026010.D
 Acq: 09 Aug 2018 20:51

Instrument :
 MSVOA_U
 ClientSampled :

Tot Ion:	95	Resp:	109935
Ion	Ratio	Lower	Upper
95	100		
97	65.1	45.2	84.0
132	103.5	68.2	126.6
130	105.5	73.8	137.2

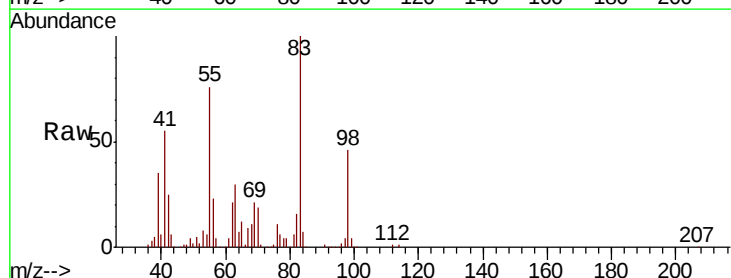


Abundance Ion 95.00 (94.70 to 95.70): VU0
 Ion 97.00 (96.70 to 97.70): VU0
 Ion 132.00 (131.70 to 132.70): V
 Ion 130.00 (129.70 to 130.70): V

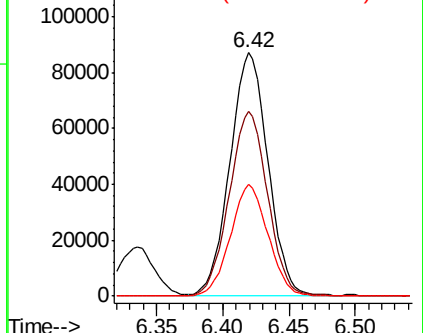
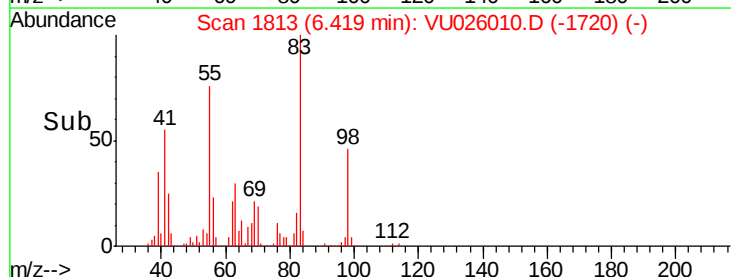


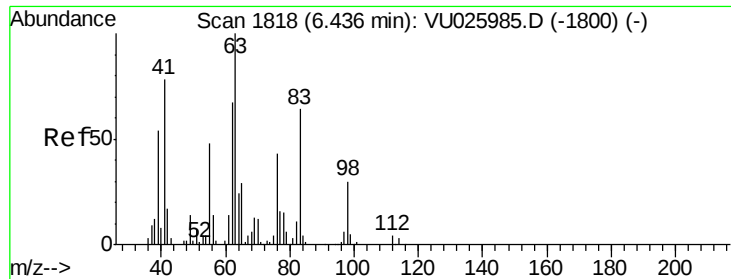
#35
 Methylcyclohexane
 Concen: 51.520 ug/L
 RT: 6.42 min Scan# 1813
 Delta R.T. -0.00 min
 Lab File: VU026010.D
 Acq: 09 Aug 2018 20:51

Tgt Ion:	83	Resp:	174200
Ion	Ratio	Lower	Upper
83	100		
55	76.5	61.0	91.6
98	45.2	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

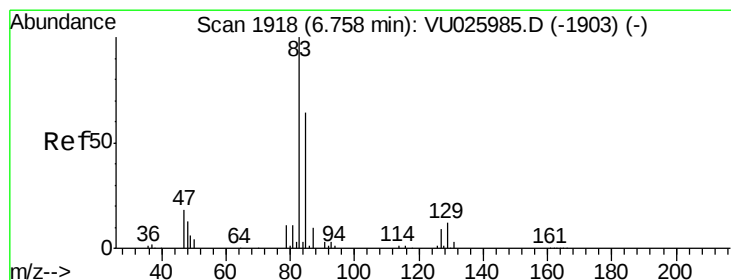
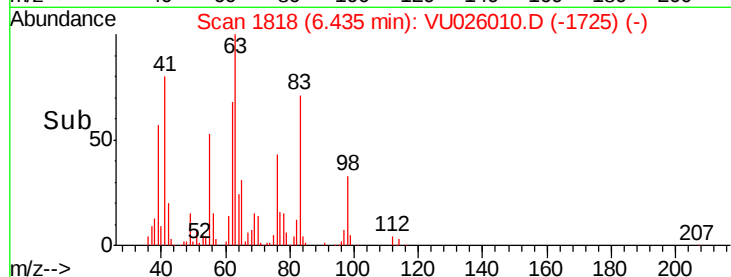
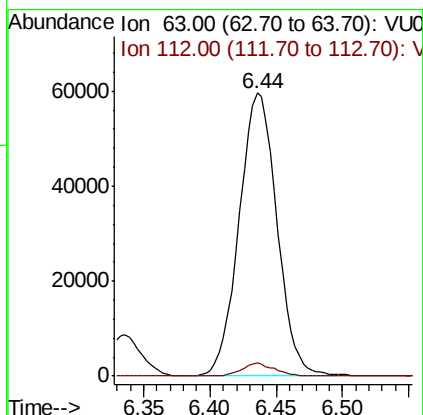
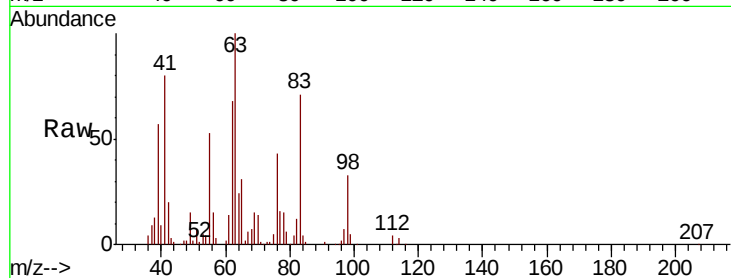




#37
 1,2-Dichloropropane
 Concen: 50.746 ug/L
 RT: 6.44 min Scan# 1818
 Delta R.T. -0.00 min
 Lab File: VU026010.D
 Acq: 09 Aug 2018 20:51

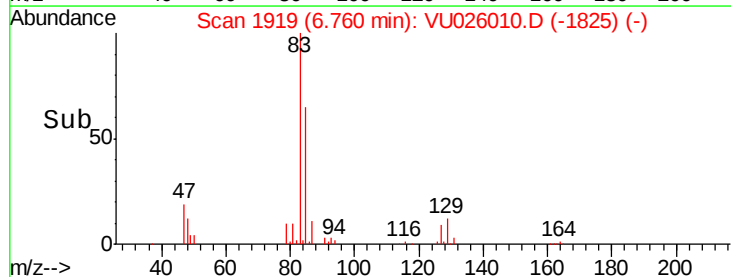
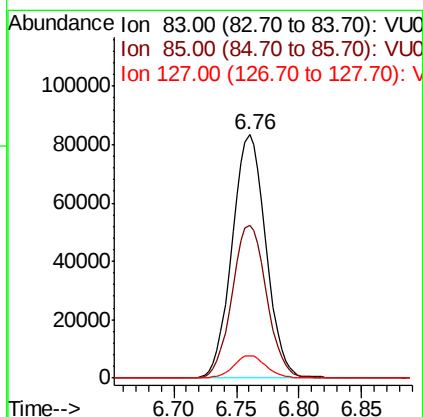
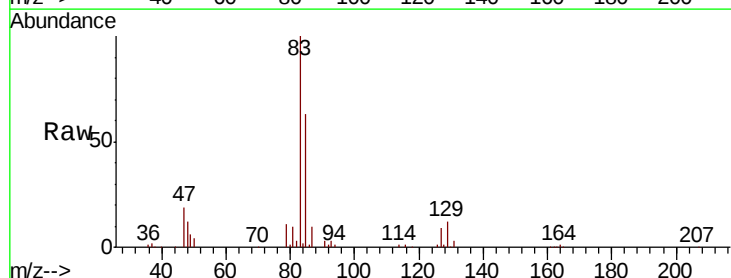
Instrument :
 MSVOA_U
 ClientSampleId :

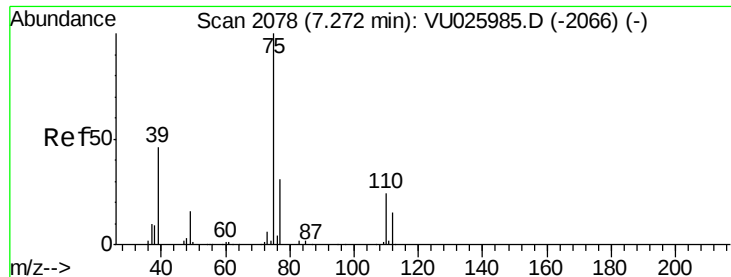
Tot Ion: 63 Resp: 117696
 Ion Ratio Lower Upper
 63 100
 112 4.0 3.2 4.8



#38
 Bromodichloromethane
 Concen: 50.631 ug/L
 RT: 6.76 min Scan# 1919
 Delta R.T. 0.00 min
 Lab File: VU026010.D
 Acq: 09 Aug 2018 20:51

Tgt Ion: 83 Resp: 156447
 Ion Ratio Lower Upper
 83 100
 85 62.9 45.3 84.1
 127 9.3 7.4 11.2

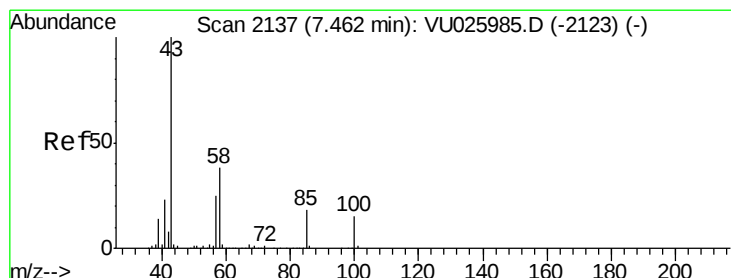
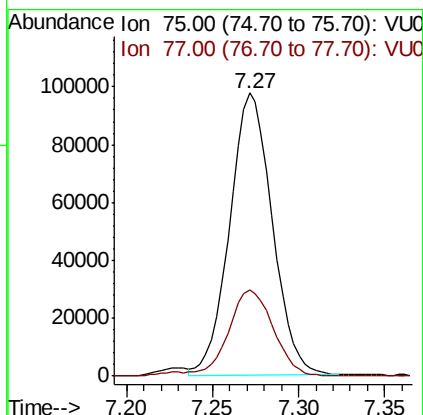
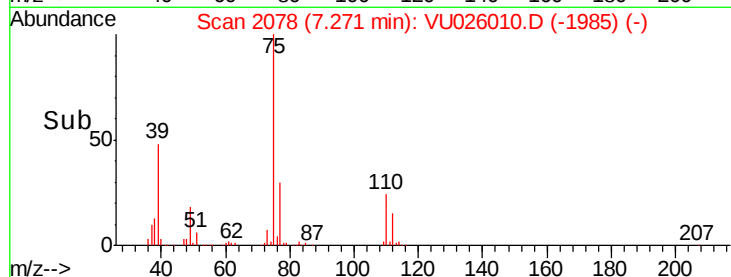
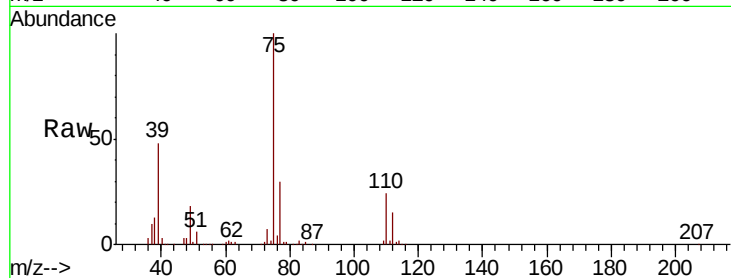




#39
 cis-1,3-Dichloropropene
 Concen: 47.769 ug/L
 RT: 7.27 min Scan# 2078
 Delta R.T. -0.00 min
 Lab File: VU026010.D
 Acq: 09 Aug 2018 20:51

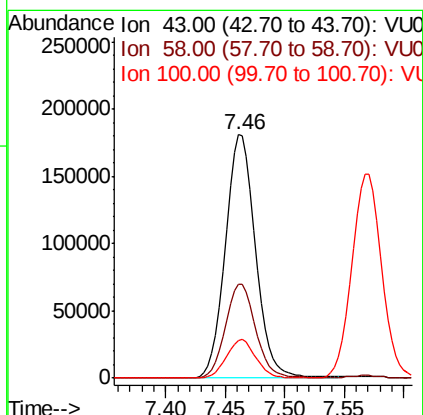
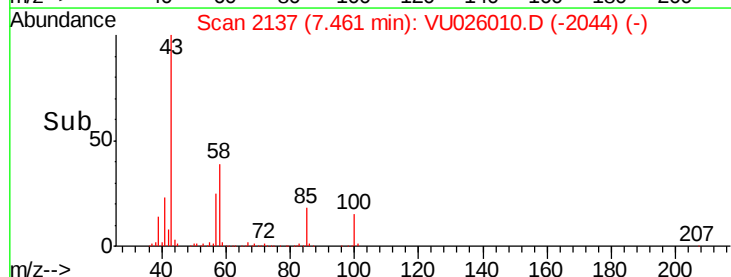
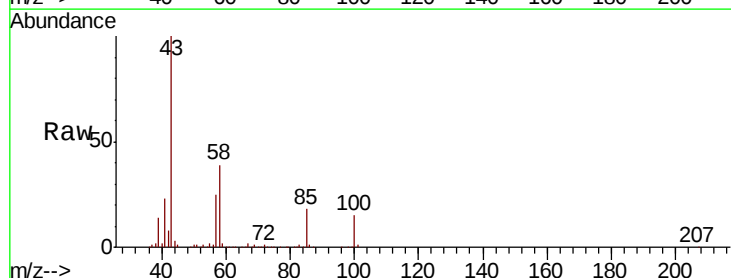
Instrument :
 MSVOA_U
 ClientSampled :

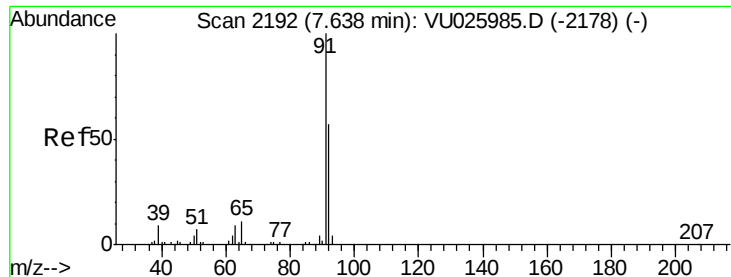
Tot Ion: 75 Resp: 167915
 Ion Ratio Lower Upper
 75 100
 77 30.3 22.1 41.1



#40
 4-Methyl-2-pentanone
 Concen: 100.087 ug/L
 RT: 7.46 min Scan# 2137
 Delta R.T. -0.00 min
 Lab File: VU026010.D
 Acq: 09 Aug 2018 20:51

Tgt Ion: 43 Resp: 318952
 Ion Ratio Lower Upper
 43 100
 58 38.7 30.6 46.0
 100 15.5 11.8 17.6





#42

Toluene

Concen: 51.772 ug/L

RT: 7.64 min Scan# 2193

Delta R.T. 0.00 min

Lab File: VU026010.D

Acq: 09 Aug 2018 20:51

Instrument :

MSVOA_U

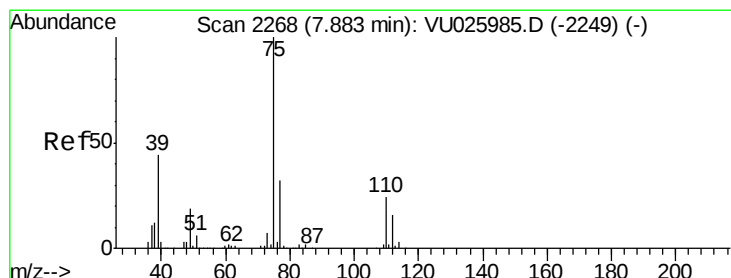
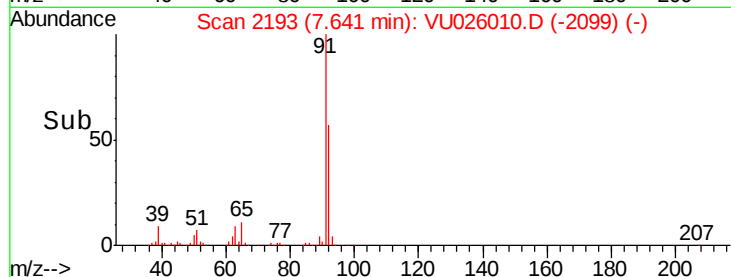
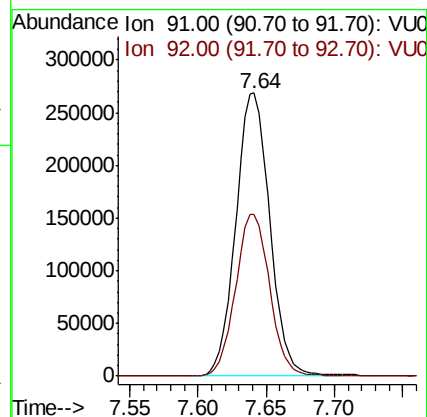
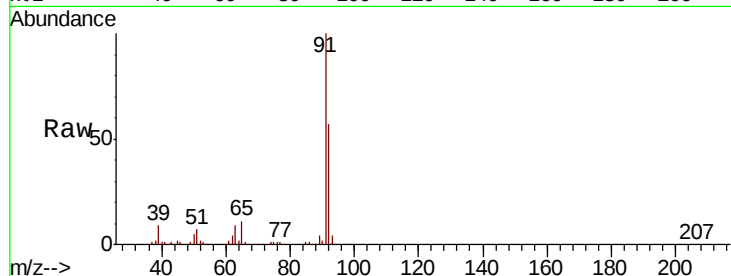
ClientSampleId :

Tot Ion: 91 Resp: 465803

Ion Ratio Lower Upper

91 100

92 57.4 41.0 76.2



#44

trans-1,3-Dichloropropene

Concen: 49.579 ug/L

RT: 7.88 min Scan# 2268

Delta R.T. -0.00 min

Lab File: VU026010.D

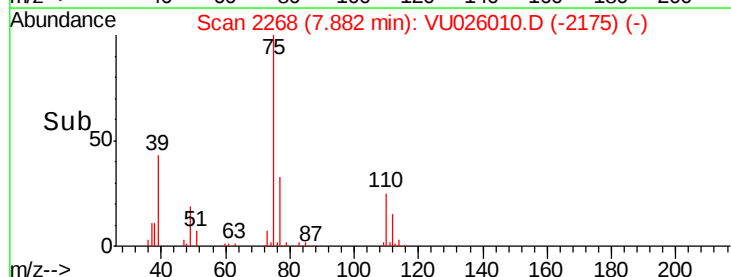
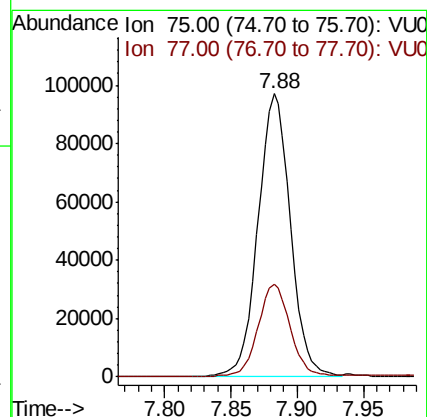
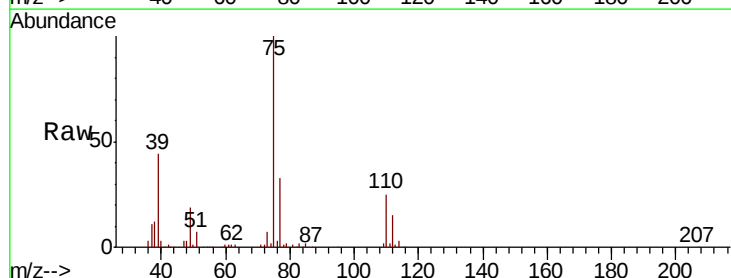
Acq: 09 Aug 2018 20:51

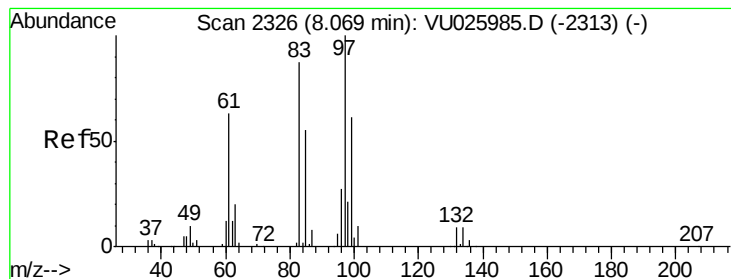
Tgt Ion: 75 Resp: 165882

Ion Ratio Lower Upper

75 100

77 32.9 23.0 42.6





#45

1,1,2-Trichloroethane

Concen: 50.527 ug/L

RT: 8.07 min Scan# 2326

Delta R.T. -0.00 min

Lab File: VU026010.D

Acq: 09 Aug 2018 20:51

Instrument :

MSVOA_U

ClientSampleId :

Tot Ion: 97 Resp: 111727

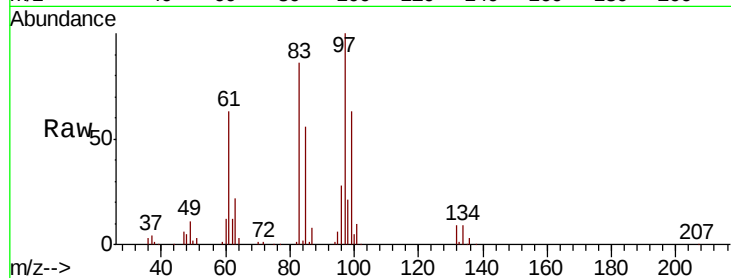
Ion Ratio Lower Upper

97 100

99 63.4 41.6 77.2

83 85.6 59.0 109.6

85 56.4 37.9 70.5



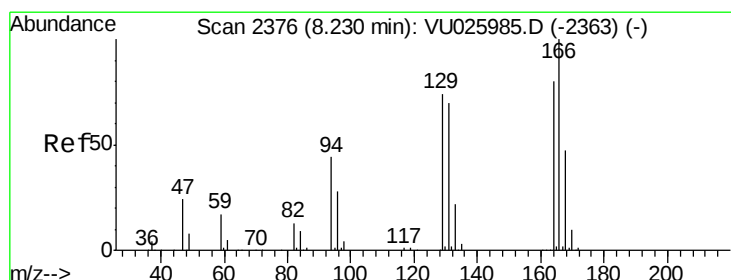
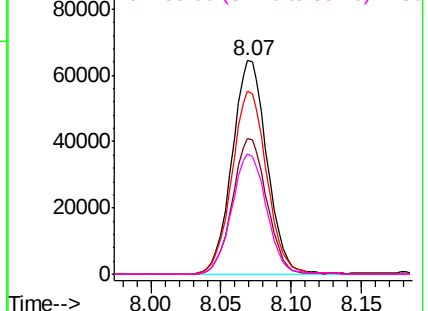
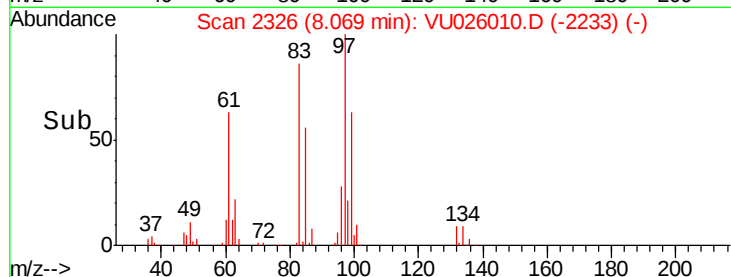
Abundance

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: 50.705 ug/L

RT: 8.23 min Scan# 2376

Delta R.T. -0.00 min

Lab File: VU026010.D

Acq: 09 Aug 2018 20:51

Tgt Ion:164 Resp: 95555

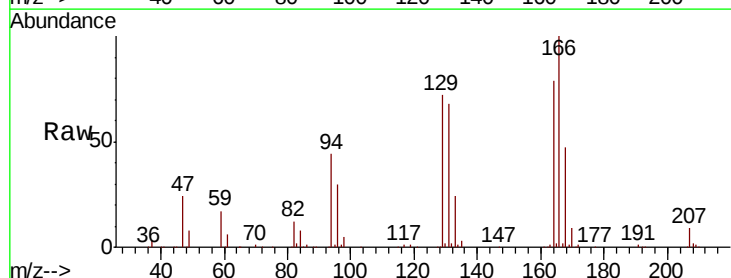
Ion Ratio Lower Upper

164 100

129 91.6 64.8 120.3

131 86.8 62.8 116.6

166 126.8 89.0 165.4



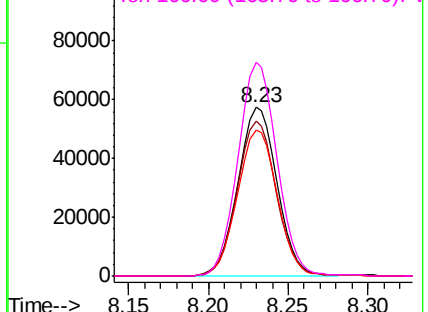
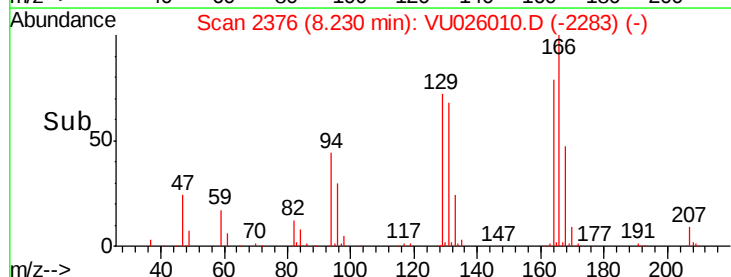
Abundance

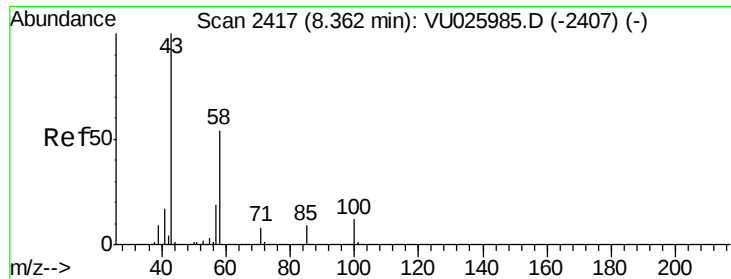
Ion 164.00 (163.70 to 164.70): V

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

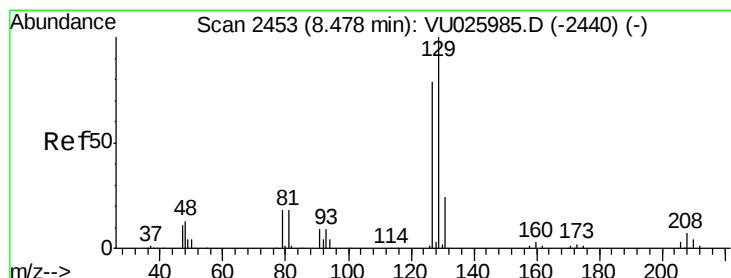
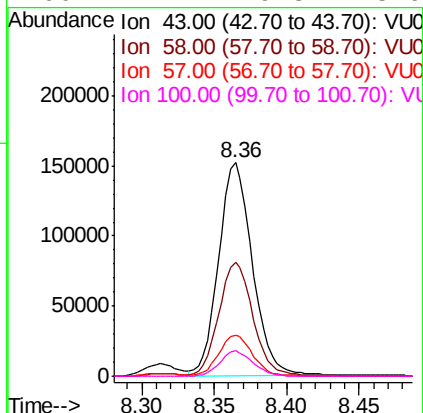
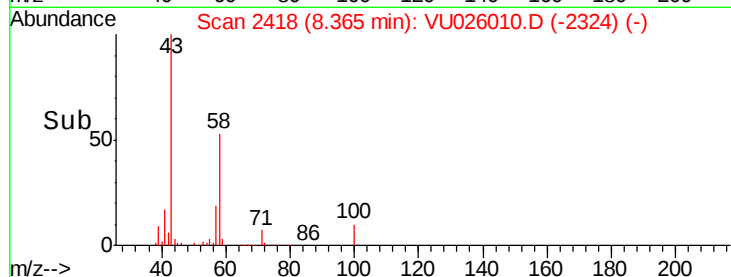
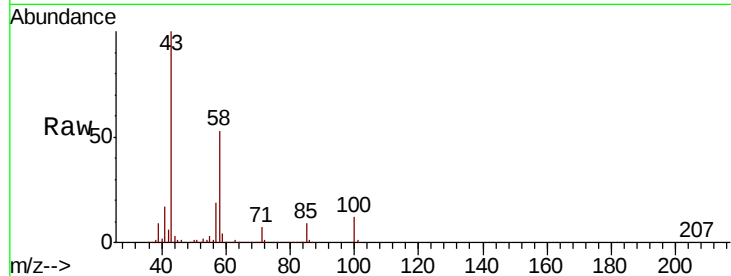




#48
2-Hexanone
Concen: 98.293 ug/L
RT: 8.36 min Scan# 2418
Delta R.T. 0.00 min
Lab File: VU026010.D
Acq: 09 Aug 2018 20:51

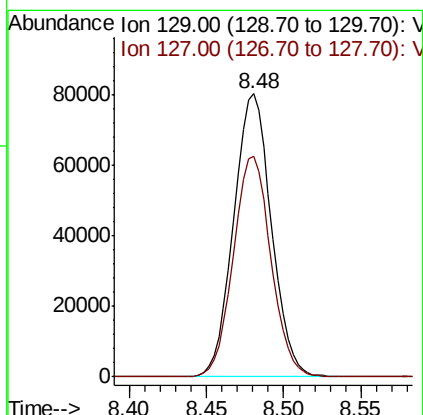
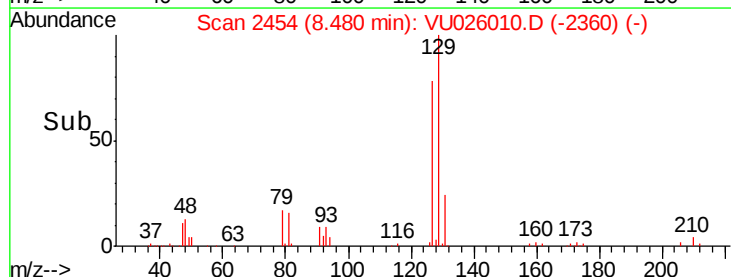
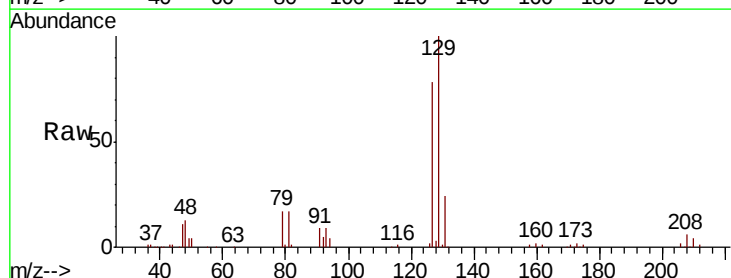
Instrument :
MSVOA_U
ClientSampleId :

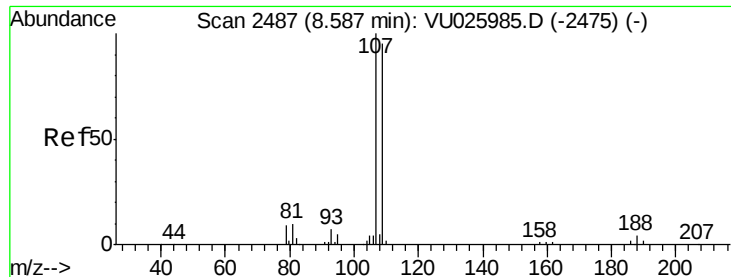
Tot Ion: 43 Resp: 244033
Ion Ratio Lower Upper
43 100
58 53.7 43.6 65.4
57 19.5 15.1 22.7
100 11.7 9.3 13.9



#49
Dibromochloromethane
Concen: 51.105 ug/L
RT: 8.48 min Scan# 2454
Delta R.T. 0.00 min
Lab File: VU026010.D
Acq: 09 Aug 2018 20:51

Tgt Ion: 129 Resp: 136267
Ion Ratio Lower Upper
129 100
127 77.9 53.5 99.3

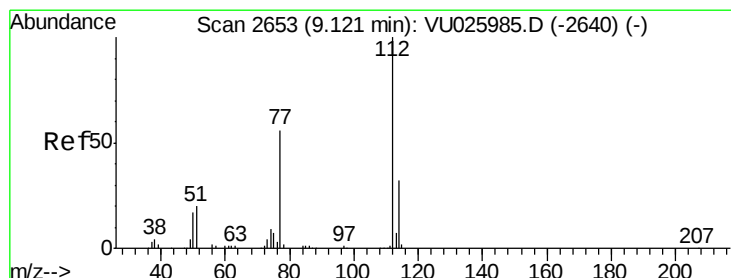
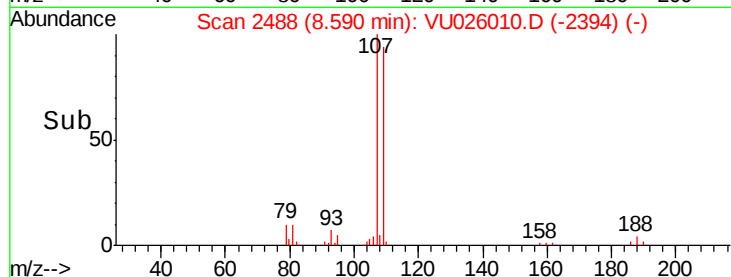
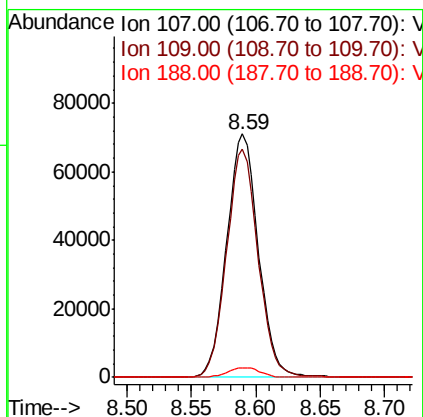
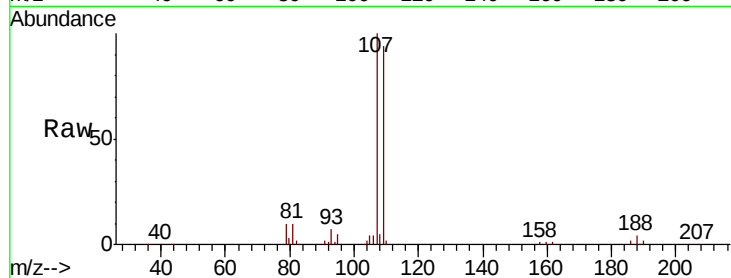




#50
1,2-Dibromoethane
Concen: 50.394 ug/L
RT: 8.59 min Scan# 2488
Delta R.T. 0.00 min
Lab File: VU026010.D
Acq: 09 Aug 2018 20:51

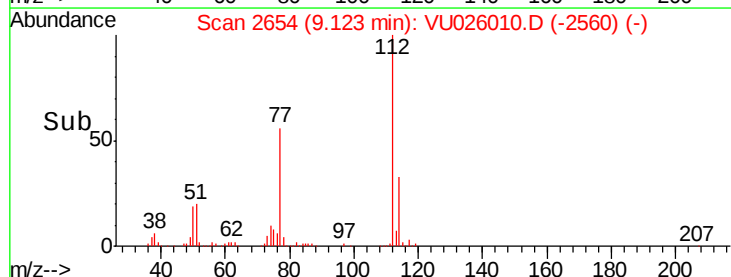
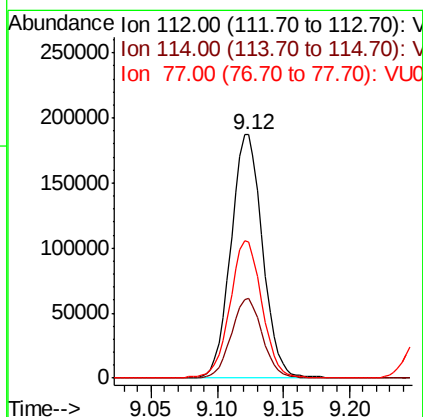
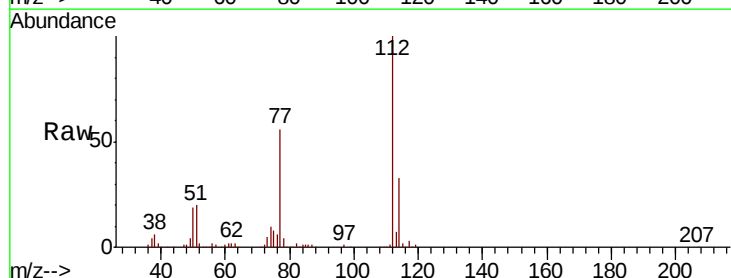
Instrument :
MSVOA_U
ClientSampleId :

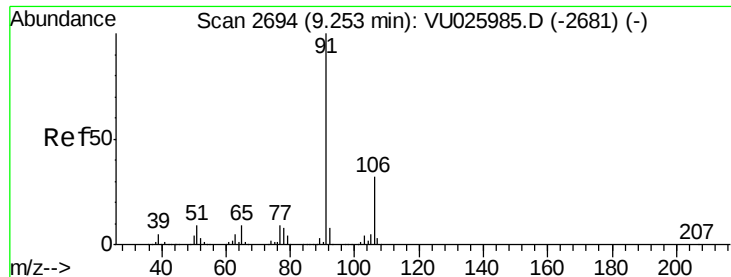
Tot Ion	Ratio	Lower	Upper
107	100		
109	93.8	66.1	122.7
188	4.0	2.9	4.3



#51
Chlorobenzene
Concen: 51.143 ug/L
RT: 9.12 min Scan# 2654
Delta R.T. 0.00 min
Lab File: VU026010.D
Acq: 09 Aug 2018 20:51

Tgt Ion	Ratio	Lower	Upper
112	100		
114	32.6	22.7	42.3
77	55.6	45.2	67.8





#52

Ethylbenzene

Concen: 51.013 ug/L

RT: 9.25 min Scan# 2694

Delta R.T. -0.00 min

Lab File: VU026010.D

Acq: 09 Aug 2018 20:51

Instrument :

MSVOA_U

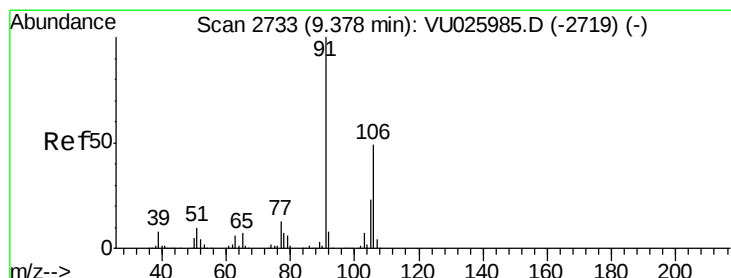
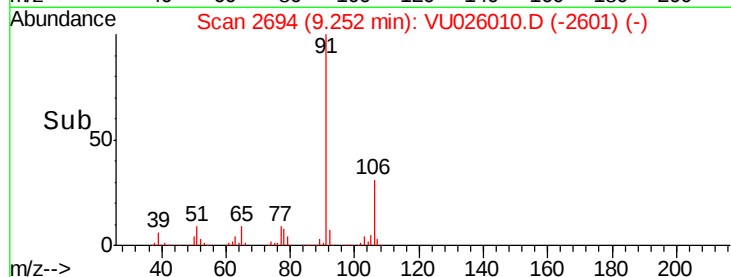
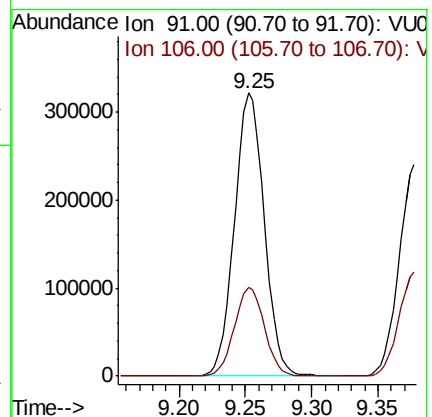
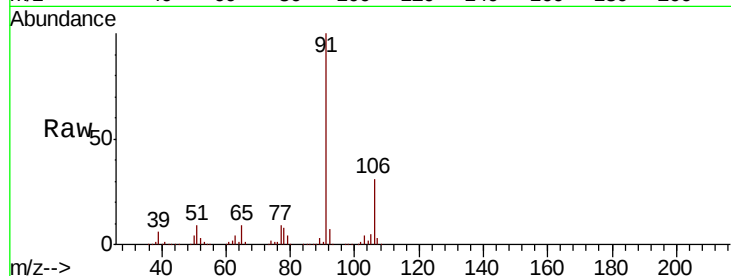
ClientSampleId :

Tot Ion: 91 Resp: 502221

Ion Ratio Lower Upper

91 100

106 31.3 22.0 41.0



#53

m,p-Xylene

Concen: 51.388 ug/L

RT: 9.38 min Scan# 2733

Delta R.T. -0.00 min

Lab File: VU026010.D

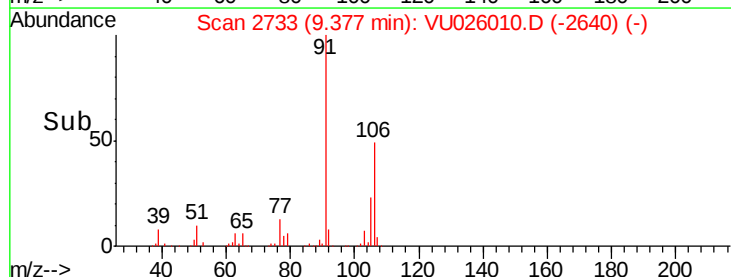
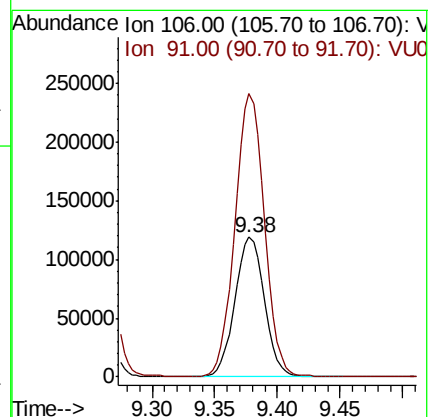
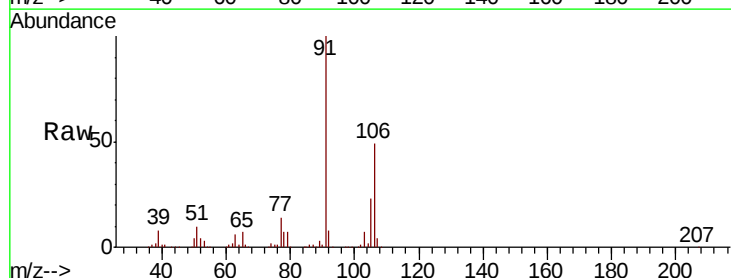
Acq: 09 Aug 2018 20:51

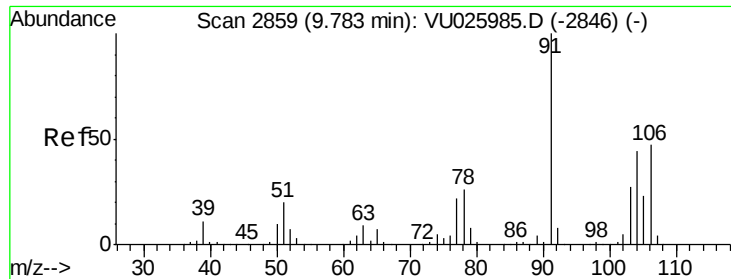
Tgt Ion: 106 Resp: 193316

Ion Ratio Lower Upper

106 100

91 203.0 141.3 262.5





#54

o-xylene

Concen: 52.003 ug/L

RT: 9.78 min Scan# 2859

Delta R.T. -0.00 min

Lab File: VU026010.D

Acq: 09 Aug 2018 20:51

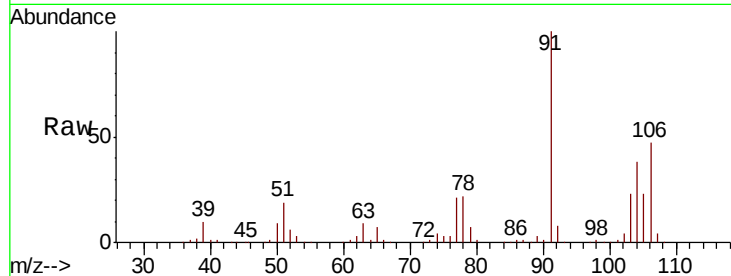
Instrument :
MSVOA_U
ClientSampled :

Tot Ion:106 Resp: 194161

Ion Ratio Lower Upper

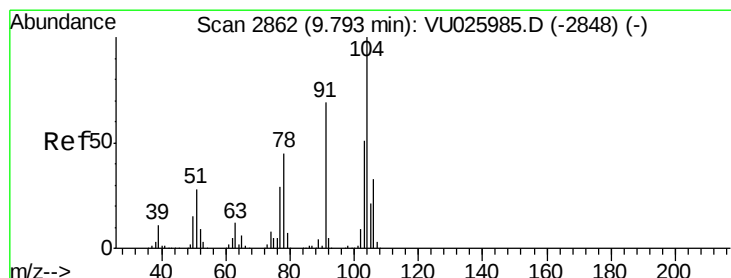
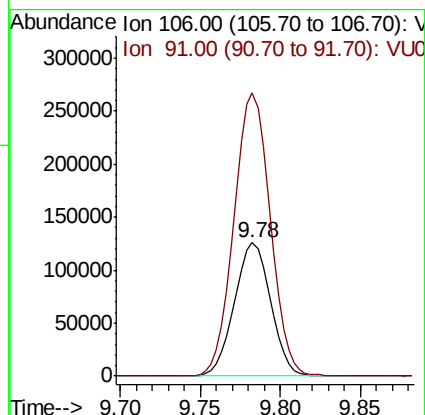
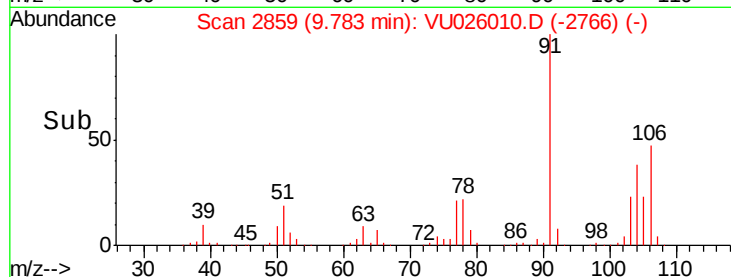
106 100

91 212.0 151.2 280.8



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0



#55

Styrene

Concen: 52.888 ug/L

RT: 9.80 min Scan# 2863

Delta R.T. 0.00 min

Lab File: VU026010.D

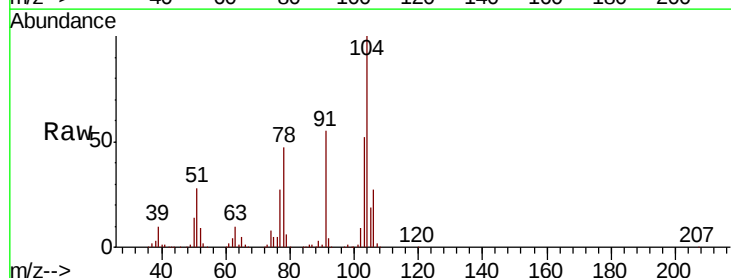
Acq: 09 Aug 2018 20:51

Tgt Ion:104 Resp: 328758

Ion Ratio Lower Upper

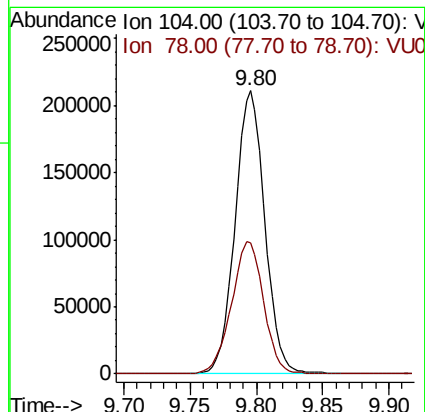
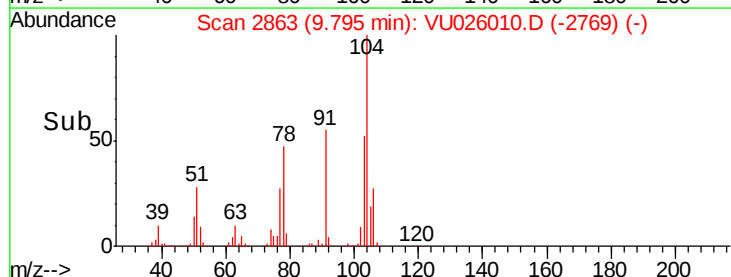
104 100

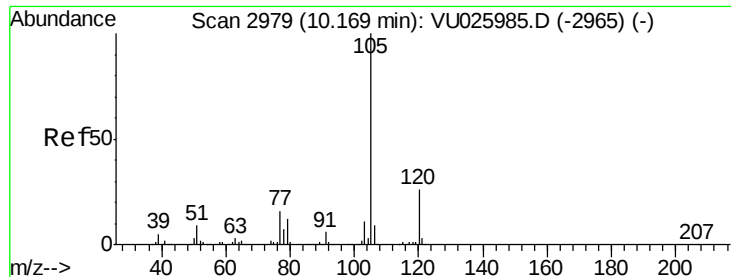
78 46.5 32.1 59.5



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VU0





#56

Isopropylbenzene

Concen: 52.425 ug/L

RT: 10.17 min Scan# 2979

Delta R.T. -0.00 min

Lab File: VU026010.D

Acq: 09 Aug 2018 20:51

Instrument :

MSVOA_U

ClientSampleId :

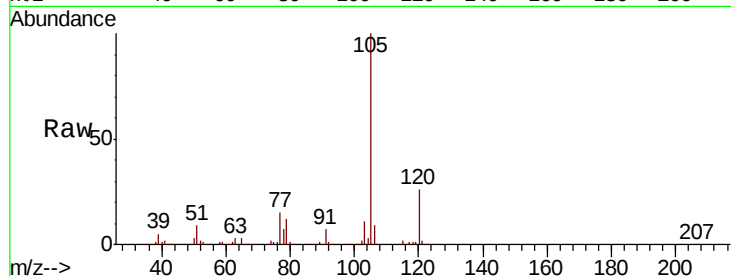
Tot Ion:105 Resp: 504256

Ion Ratio Lower Upper

105 100

120 26.4 21.7 32.5

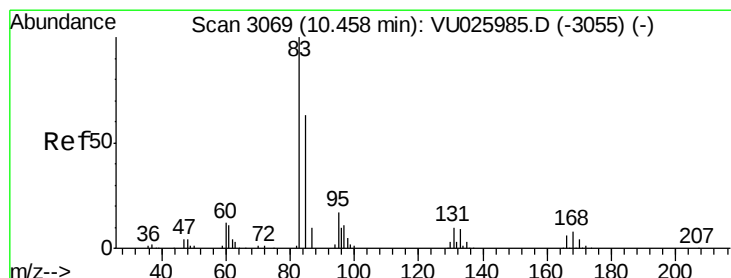
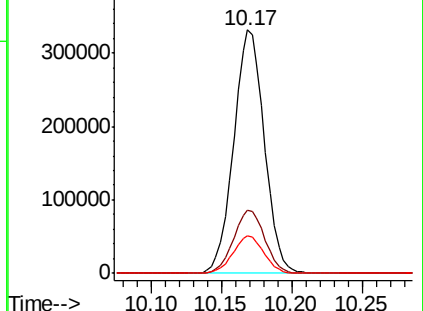
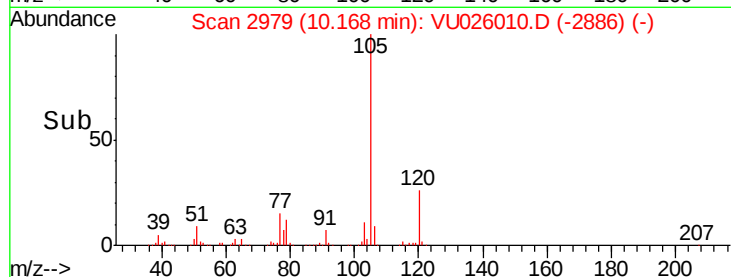
77 15.5 12.6 18.8



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: 49.939 ug/L

RT: 10.46 min Scan# 3070

Delta R.T. 0.00 min

Lab File: VU026010.D

Acq: 09 Aug 2018 20:51

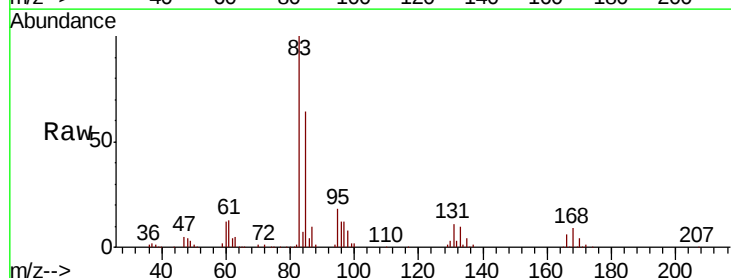
Tgt Ion: 83 Resp: 187673

Ion Ratio Lower Upper

83 100

85 64.4 45.0 83.6

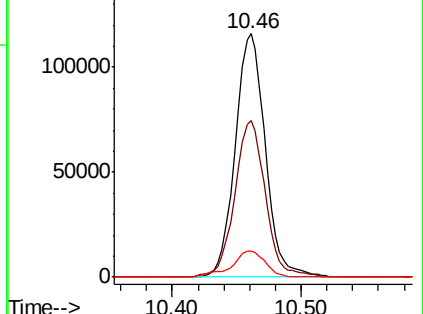
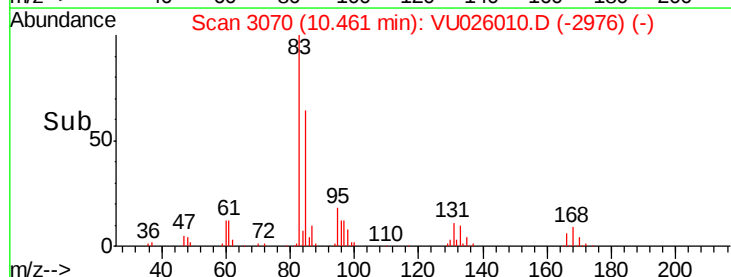
131 10.7 8.6 12.8

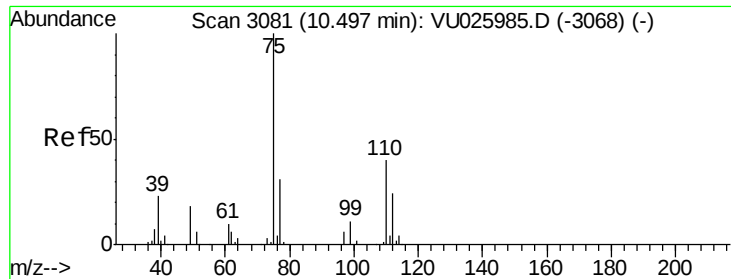


Abundance Ion 83.00 (82.70 to 83.70): V

Ion 85.00 (84.70 to 85.70): V

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 49.342 ug/L

RT: 10.50 min Scan# 3081

Delta R.T. -0.00 min

Lab File: VU026010.D

Acq: 09 Aug 2018 20:51

Instrument :

MSVOA_U

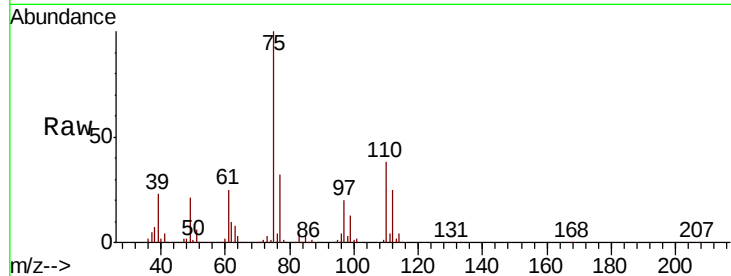
ClientSampleId :

Tot Ion: 75 Resp: 147595

Ion Ratio Lower Upper

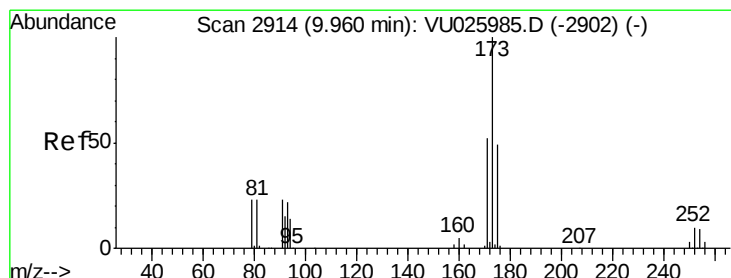
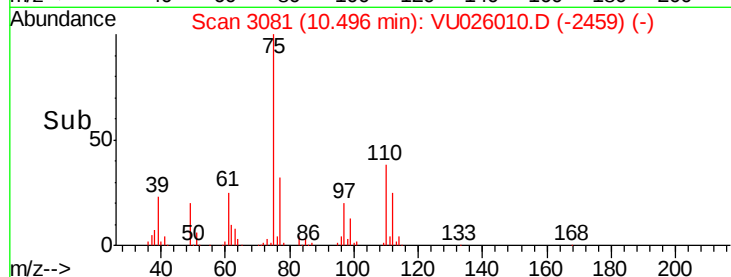
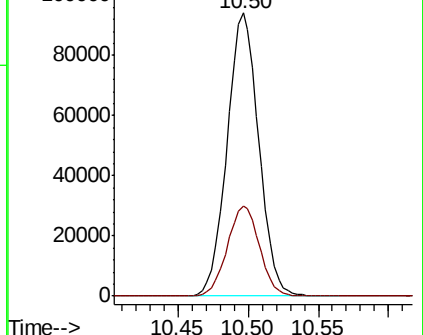
75 100

77 32.4 25.3 37.9



Abundance Ion 75.00 (74.70 to 75.70): VU025985.D (-3068) (-)

Ion 77.00 (76.70 to 77.70): VU025985.D (-3068) (-)



#61

Bromoform

Concen: 49.593 ug/L

RT: 9.96 min Scan# 2915

Delta R.T. 0.00 min

Lab File: VU026010.D

Acq: 09 Aug 2018 20:51

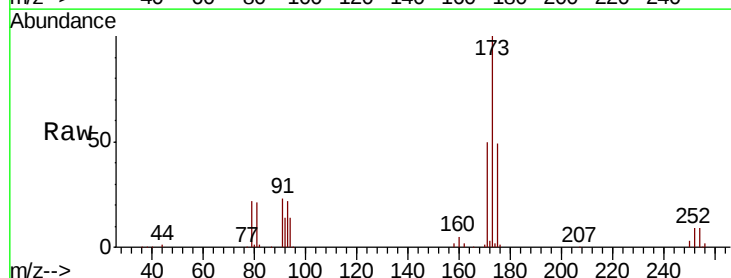
Tgt Ion:173 Resp: 100619

Ion Ratio Lower Upper

173 100

175 49.2 38.9 58.3

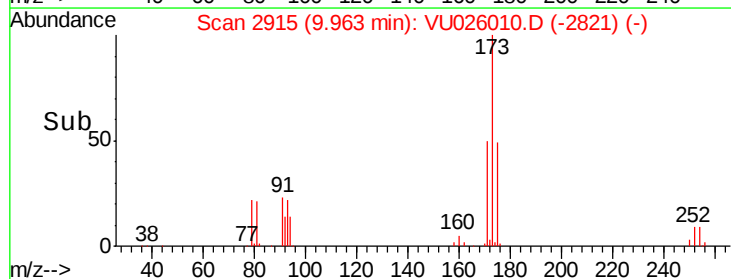
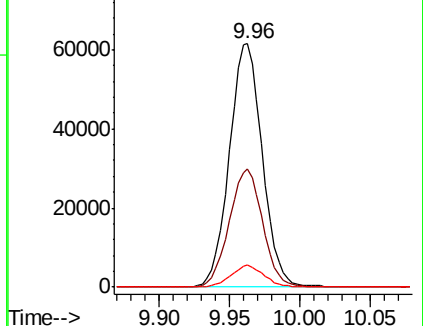
254 9.0 7.4 11.0

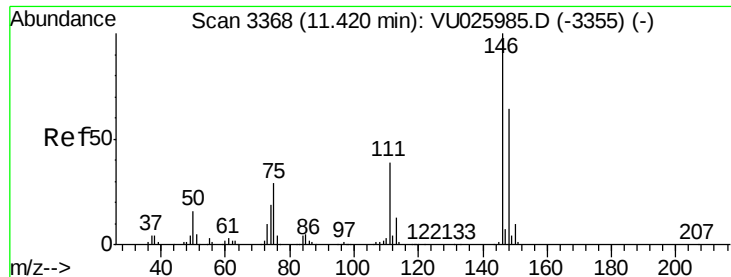


Abundance Ion 173.00 (172.70 to 173.70): VU025985.D (-2902) (-)

Ion 175.00 (174.70 to 175.70): VU025985.D (-2902) (-)

Ion 254.00 (253.70 to 254.70): VU025985.D (-2902) (-)





#62

1,3-Dichlorobenzene

Concen: 49.680 ug/L

RT: 11.42 min Scan# 3368

Delta R.T. -0.00 min

Lab File: VU026010.D

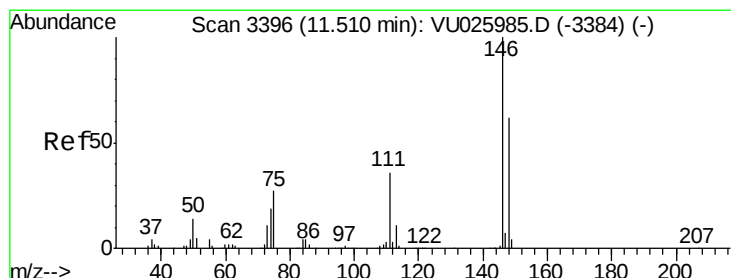
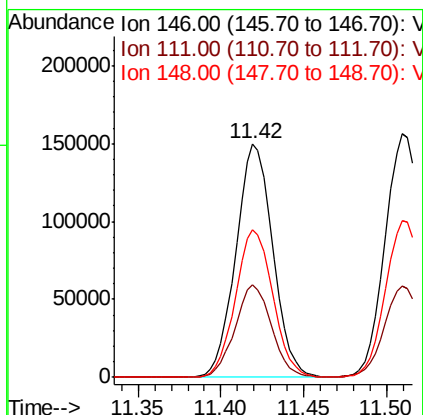
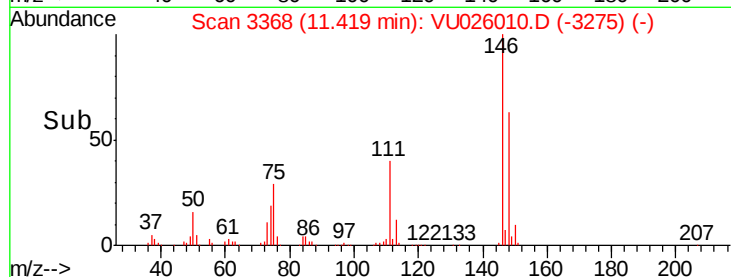
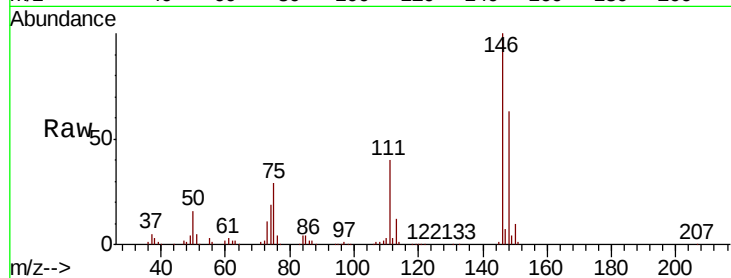
Acq: 09 Aug 2018 20:51

Instrument :

MSVOA_U

ClientSampleId :

Tot Ion:146	Resp:	231760
Ion Ratio	Lower	Upper
146	100	
111	39.7	27.9 51.9
148	63.3	46.0 85.4



#63

1,4-Dichlorobenzene

Concen: 50.281 ug/L

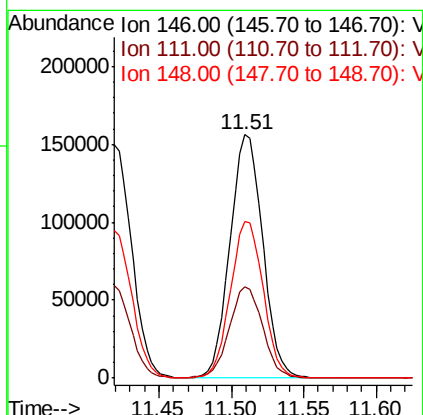
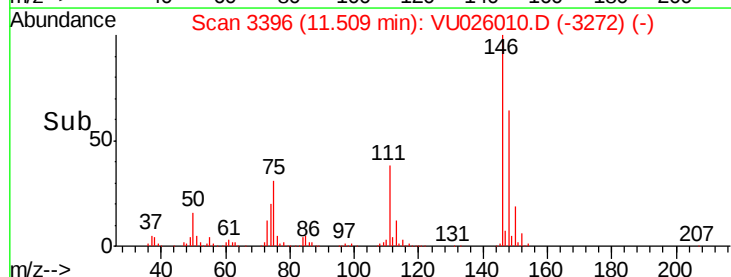
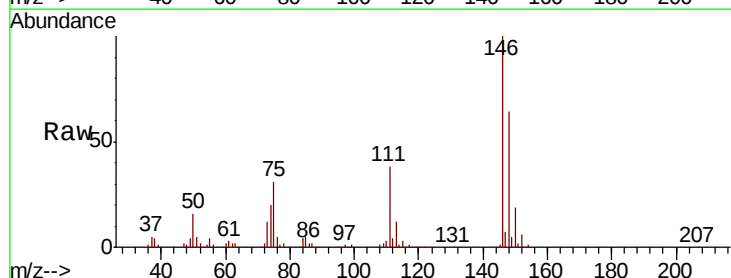
RT: 11.51 min Scan# 3396

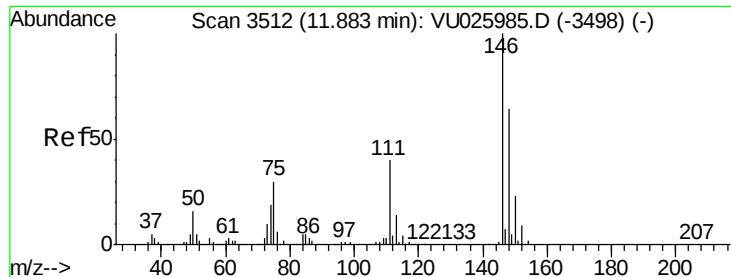
Delta R.T. -0.00 min

Lab File: VU026010.D

Acq: 09 Aug 2018 20:51

Tgt Ion:146	Resp:	245893
Ion Ratio	Lower	Upper
146	100	
111	37.6	26.4 49.0
148	64.4	43.8 81.4

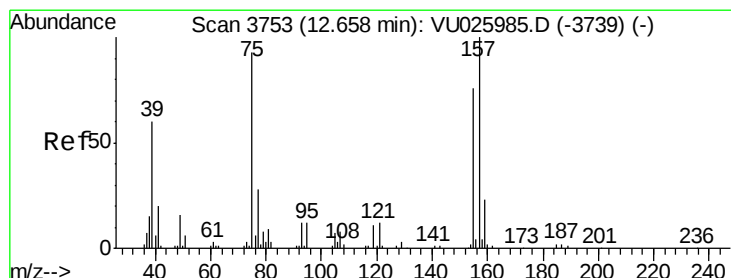
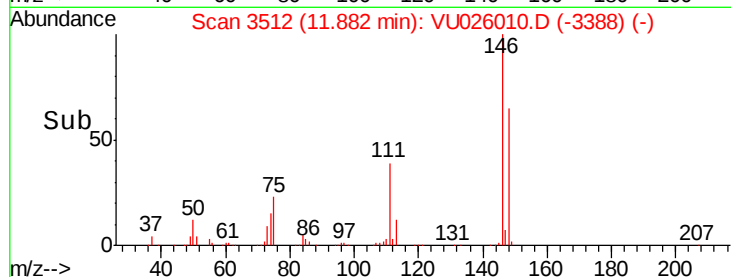
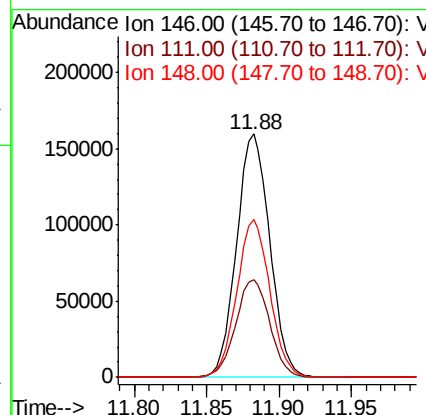
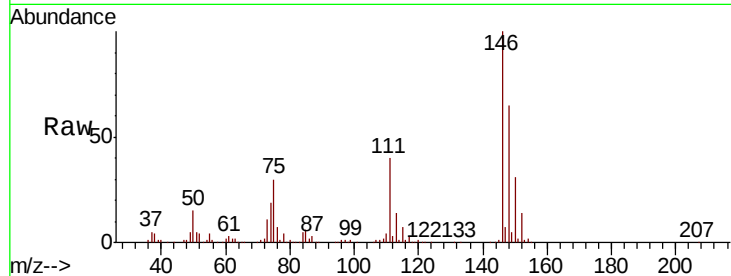




#65
 1,2-Dichlorobenzene
 Concen: 51.162 ug/L
 RT: 11.88 min Scan# 3512
 Delta R.T. -0.00 min
 Lab File: VU026010.D
 Acq: 09 Aug 2018 20:51

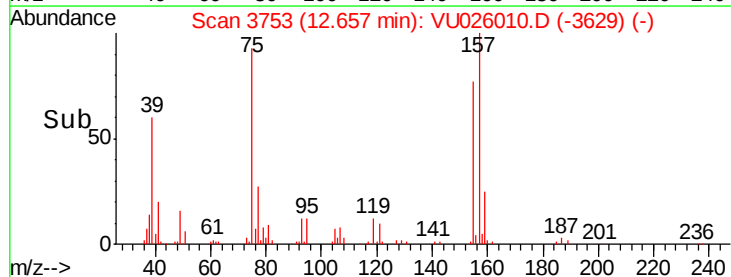
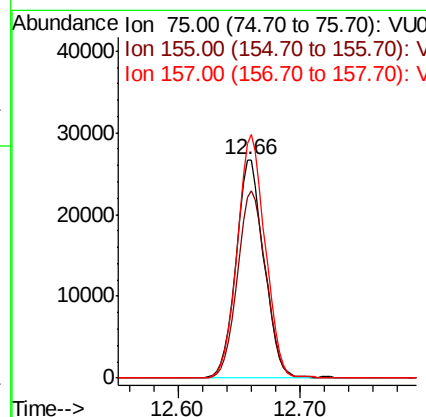
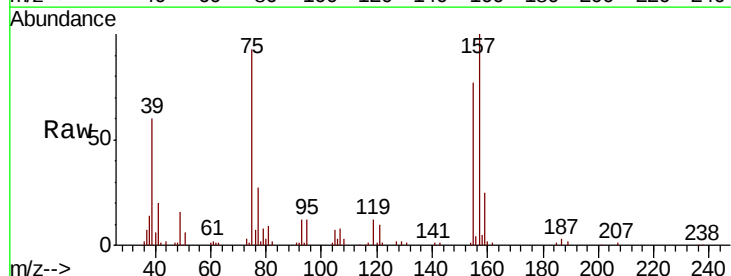
Instrument :
 MSVOA_U
 ClientSampleId :

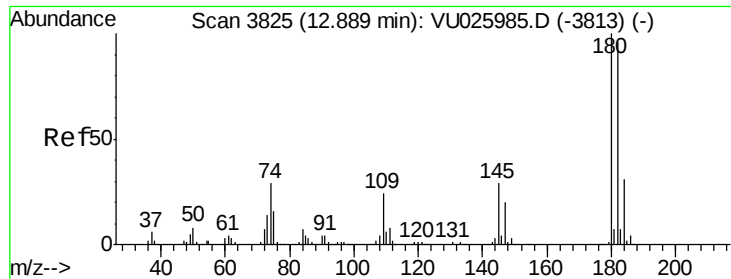
Tot Ion	Ratio	Lower	Upper
146	100		
111	40.2	32.4	48.6
148	64.9	50.1	75.1



#66
 1,2-Dibromo-3-chloropropane
 Concen: 48.887 ug/L
 RT: 12.66 min Scan# 3753
 Delta R.T. -0.00 min
 Lab File: VU026010.D
 Acq: 09 Aug 2018 20:51

Tgt Ion	Ratio	Lower	Upper
75	100		
155	82.8	71.8	107.8
157	107.4	93.0	139.6

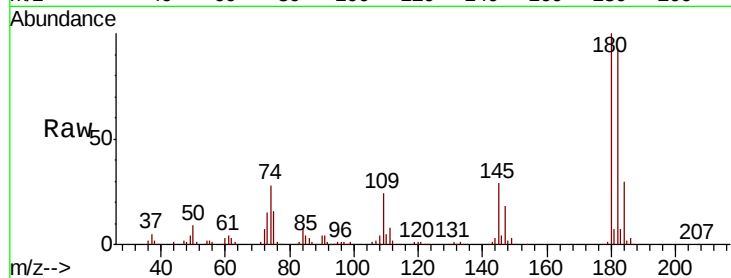




#67
 1,3,5-Trichlorobenzene
 Concen: 50.106 ug/L
 RT: 12.89 min Scan# 3825
 Delta R.T. -0.00 min
 Lab File: VU026010.D
 Acq: 09 Aug 2018 20:51

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.1	76.5	114.7
184	30.6	24.3	36.5
145	28.7	23.5	35.3



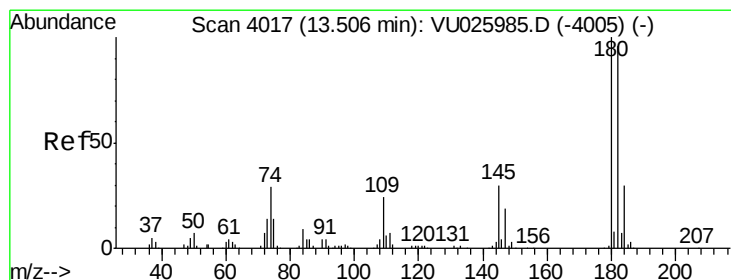
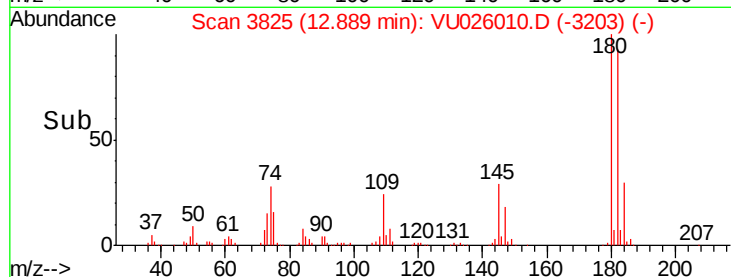
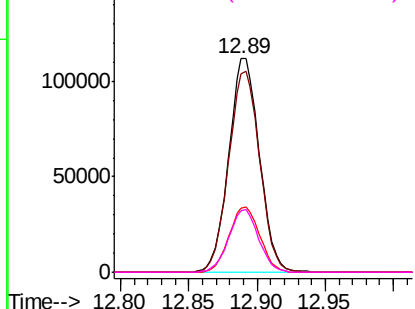
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

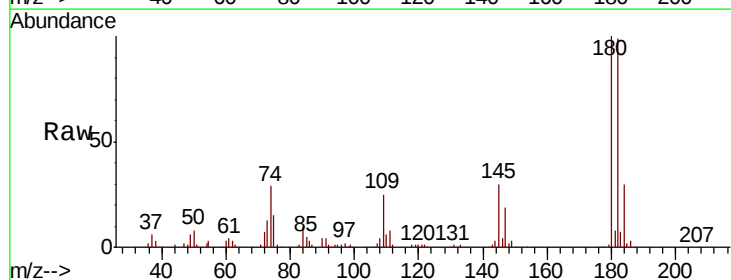
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 51.284 ug/L
 RT: 13.51 min Scan# 4017
 Delta R.T. -0.00 min
 Lab File: VU026010.D
 Acq: 09 Aug 2018 20:51

Tgt Ion	Ratio	Lower	Upper
180	100		
182	98.2	76.5	114.7
145	30.2	24.2	36.4

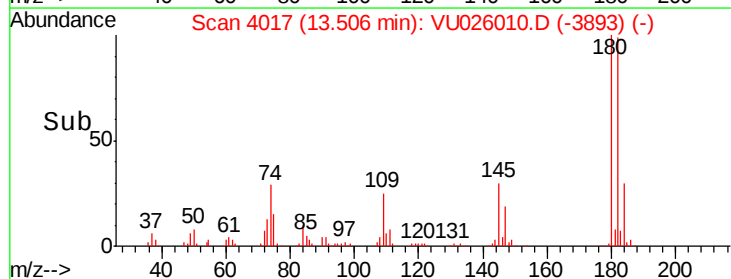
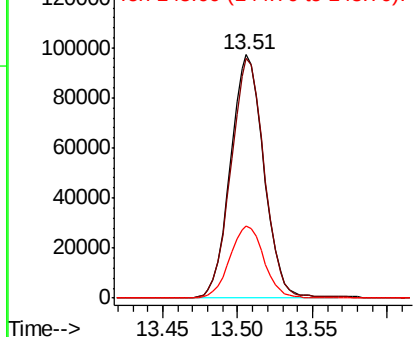


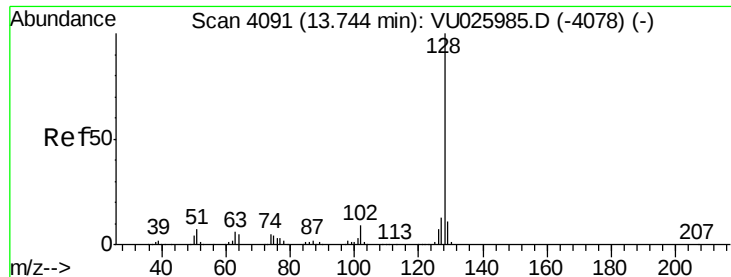
Abundance

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: 51.032 ug/L

RT: 13.75 min Scan# 4092

Delta R.T. 0.00 min

Lab File: VU026010.D

Acq: 09 Aug 2018 20:51

Instrument :

MSVOA_U

ClientSampleId :

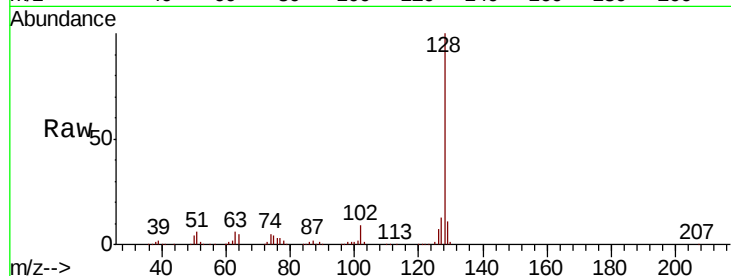
Tot Ion:128 Resp: 485405

Ion Ratio Lower Upper

128 100

127 12.8 10.3 15.5

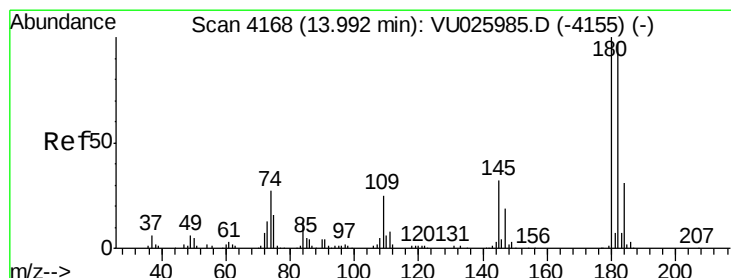
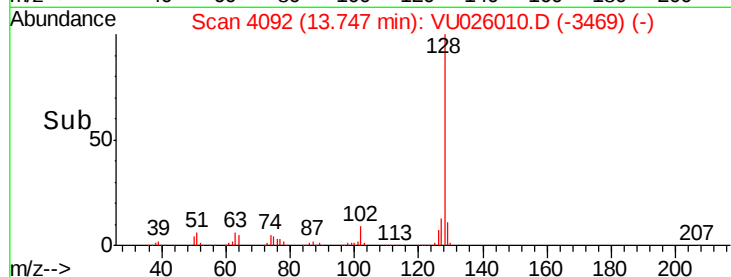
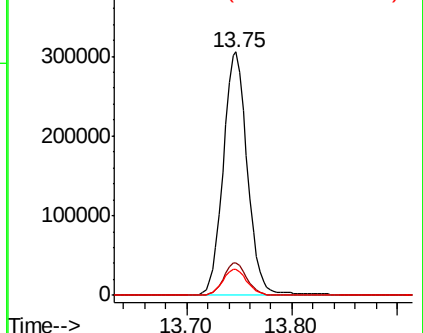
129 10.7 8.6 13.0



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: 50.781 ug/L

RT: 13.99 min Scan# 4168

Delta R.T. -0.00 min

Lab File: VU026010.D

Acq: 09 Aug 2018 20:51

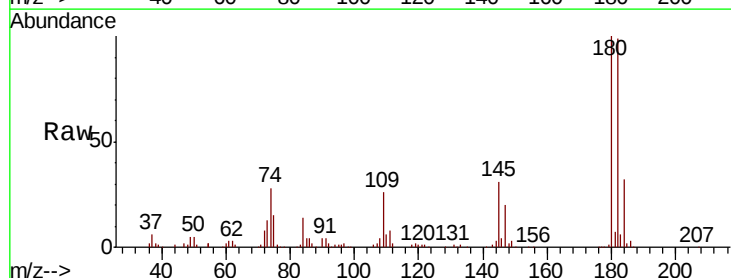
Tgt Ion:180 Resp: 160922

Ion Ratio Lower Upper

180 100

182 98.0 76.5 114.7

145 31.2 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

