

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU081318\
 Data File : VU026070.D
 Acq On : 13 Aug 2018 15:57
 Operator : MD/SY
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Aug 14 01:16:12 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM080918WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Aug 14 01:13:22 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.89	114	302742	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	287424	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.49	152	146565	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	103714	46.87	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	93.74%
7) Chloroethane-d5	1.68	69	83316	47.49	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	94.98%
11) 1,1-Dichloroethene-d2	2.27	63	204257	48.58	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	97.16%
21) 2-Butanone-d5	4.18	46	150928	81.83	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	81.83%
24) Chloroform-d	4.65	84	224311	47.80	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.60%
26) 1,2-Dichloroethane-d4	5.31	65	145430	45.88	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	91.76%
32) Benzene-d6	5.35	84	427058	47.85	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.70%
36) 1,2-Dichloropropane-d6	6.33	67	134564	46.59	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	93.18%
41) Toluene-d8	7.57	98	413093	48.38	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	96.76%
43) trans-1,3-Dichloropropene-	7.85	79	68426	47.03	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	94.06%
47) 2-Hexanone-d5	8.31	63	109378	83.39	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	83.39%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	193354	45.78	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	91.56%
64) 1,2-Dichlorobenzene-d4	11.86	152	168357	46.60	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	93.20%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.20	85	129588	49.132	ug/L 99
3) Chloromethane	1.33	50	115296	48.718	ug/L 99
5) Vinyl chloride	1.40	62	113605	49.748	ug/L 98
6) Bromomethane	1.62	94	65853	53.928	ug/L 96
8) Chloroethane	1.70	64	67182	48.958	ug/L 95
9) Trichlorofluoromethane	1.89	101	164044	50.209	ug/L 99
10) 1,1,2-Trichloro-1,2,2-trif	2.29	101	97871	51.495	ug/L 99
12) 1,1-Dichloroethene	2.28	96	88467	50.614	ug/L 91
13) Acetone	2.32	43	97750	85.316	ug/L 98
14) Carbon disulfide	2.48	76	285706	49.685	ug/L 100
15) Methyl Acetate	2.62	43	109988	45.830	ug/L 99
16) Methylene chloride	2.70	84	108499	48.624	ug/L 97
17) trans-1,2-Dichloroethene	2.99	96	98130	50.387	ug/L 96
18) Methyl tert-butyl Ether	3.00	73	318746	49.803	ug/L 100
19) 1,1-Dichloroethane	3.45	63	191526	50.705	ug/L 98
20) cis-1,2-Dichloroethene	4.23	96	112256	50.096	ug/L 100
22) 2-Butanone	4.27	43	145985	88.059	ug/L 98

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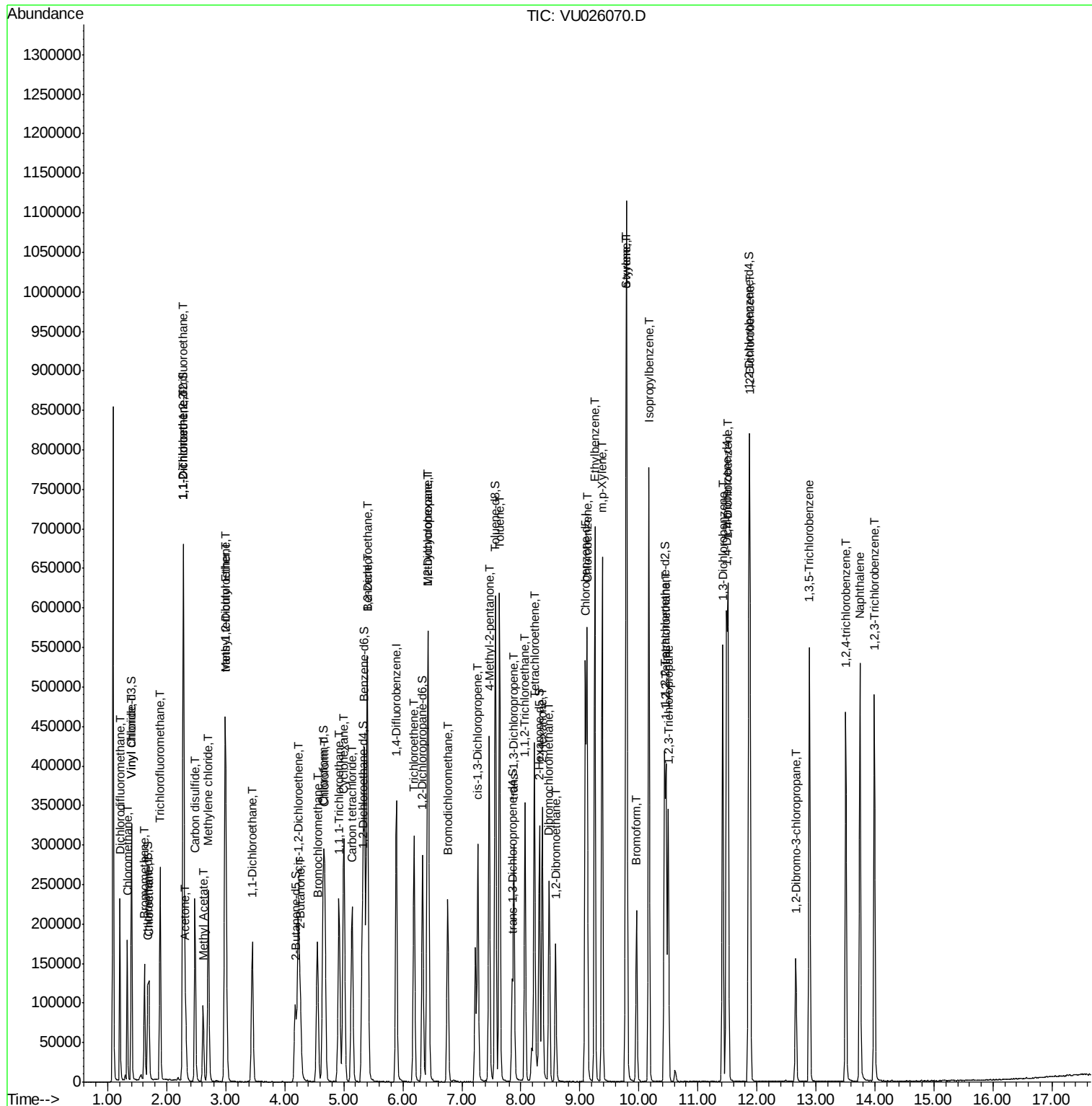
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.55	128	60180	50.423	ug/L	99
25) Chloroform	4.68	83	199466	50.711	ug/L	99
27) 1,2-Dichloroethane	5.41	62	162675	50.074	ug/L	99
29) Cyclohexane	5.00	56	159596	49.681	ug/L	98
30) 1,1,1-Trichloroethane	4.92	97	180679	49.822	ug/L	100
31) Carbon tetrachloride	5.14	117	166347	50.232	ug/L	99
33) Benzene	5.39	78	415452	50.749	ug/L	100
34) Trichloroethene	6.19	95	107237	50.142	ug/L	99
35) Methylcyclohexane	6.42	83	168111	51.480	ug/L	100
37) 1,2-Dichloropropane	6.44	63	114337	51.044	ug/L	99
38) Bromodichloromethane	6.76	83	151428	50.743	ug/L	99
39) cis-1,3-Dichloropropene	7.27	75	173172	51.010	ug/L	99
40) 4-Methyl-2-pentanone	7.46	43	287220	93.322	ug/L	99
42) Toluene	7.64	91	449587	51.740	ug/L	99
44) trans-1,3-Dichloropropene	7.88	75	165477	51.210	ug/L	97
45) 1,1,2-Trichloroethane	8.07	97	107664	50.415	ug/L	95
46) Tetrachloroethene	8.23	164	94324	51.825	ug/L	99
48) 2-Hexanone	8.36	43	219426	91.513	ug/L	98
49) Dibromochloromethane	8.48	129	130967	50.857	ug/L	98
50) 1,2-Dibromoethane	8.59	107	117756	50.629	ug/L	97
51) Chlorobenzene	9.12	112	297828	50.834	ug/L	98
52) Ethylbenzene	9.25	91	483672	50.869	ug/L	98
53) m,p-Xylene	9.38	106	189410	52.133	ug/L	97
54) o-xylene	9.78	106	190450	52.816	ug/L	94
55) Styrene	9.80	104	320502	53.387	ug/L	99
56) Isopropylbenzene	10.17	105	487576	52.487	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.46	83	177781	48.982	ug/L	98
59) 1,2,3-Trichloropropane	10.50	75	140353	48.583	ug/L	100
61) Bromoform	9.96	173	98131	49.450	ug/L	99
62) 1,3-Dichlorobenzene	11.42	146	225604	49.444	ug/L	99
63) 1,4-Dichlorobenzene	11.51	146	234470	49.019	ug/L	99
65) 1,2-Dichlorobenzene	11.88	146	246020	50.655	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.66	75	39309	46.113	ug/L	97
67) 1,3,5-Trichlorobenzene	12.89	180	173341	50.830	ug/L	99
68) 1,2,4-trichlorobenzene	13.51	180	146859	50.925	ug/L	99
69) Naphthalene	13.74	128	425074	45.690	ug/L	100
70) 1,2,3-Trichlorobenzene	13.99	180	155903	50.299	ug/L	99

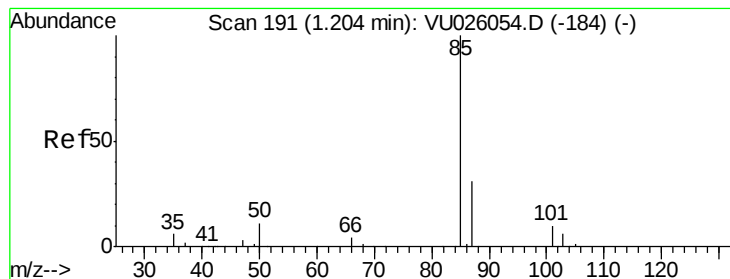
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 49.132 ug/L

RT: 1.20 min Scan# 191

Delta R.T. -0.00 min

Lab File: VU026070.D

Acq: 13 Aug 2018 15:57

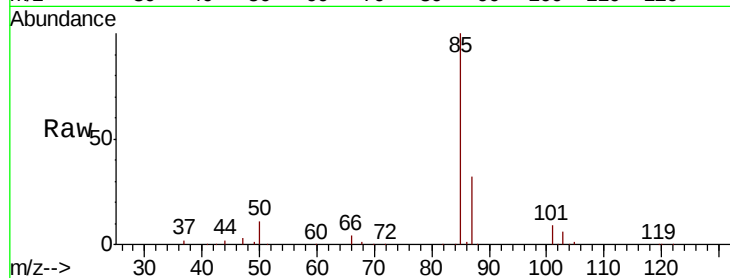
Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 85 Resp: 129588

Ion Ratio Lower Upper

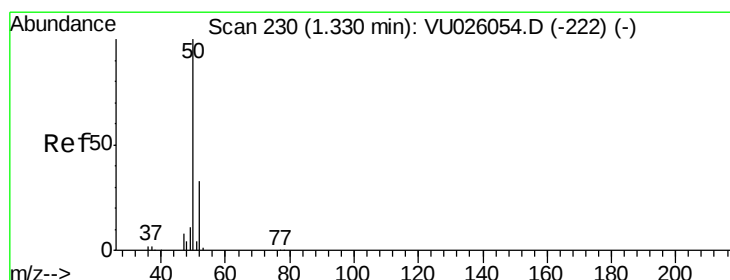
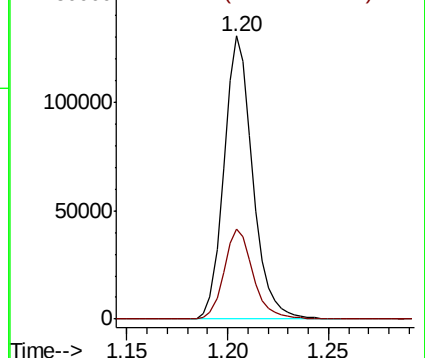
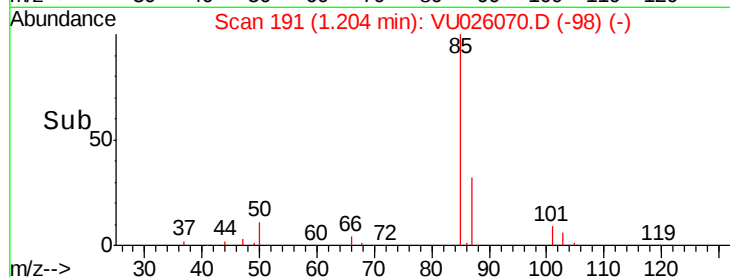
85 100

87 32.0 26.1 39.1



Abundance Ion 85.00 (84.70 to 85.70): VU026070.D (-98) (-)

Ion 87.00 (86.70 to 87.70): VU026070.D (-98) (-)



#3

Chloromethane

Concen: 48.718 ug/L

RT: 1.33 min Scan# 230

Delta R.T. -0.00 min

Lab File: VU026070.D

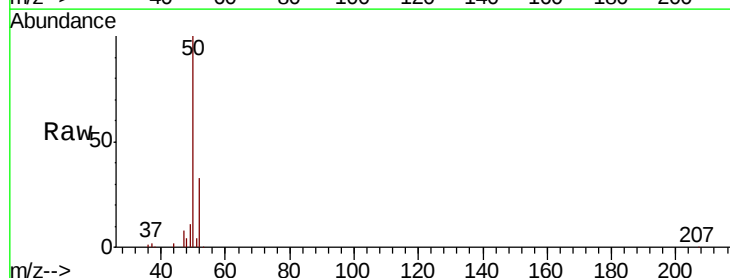
Acq: 13 Aug 2018 15:57

Tgt Ion: 50 Resp: 115296

Ion Ratio Lower Upper

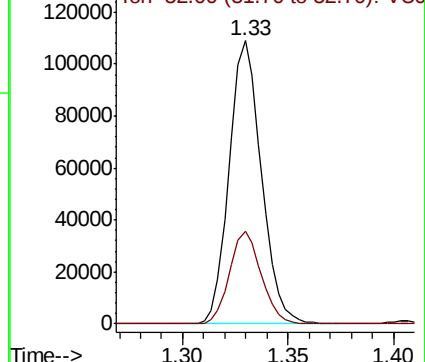
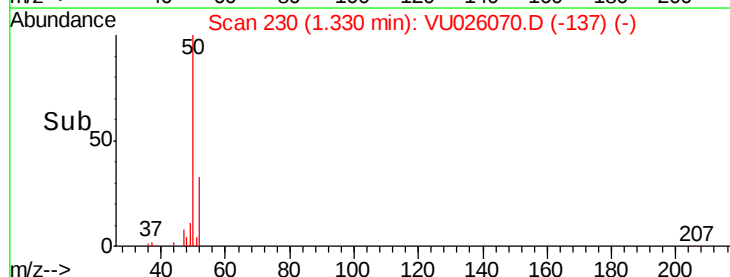
50 100

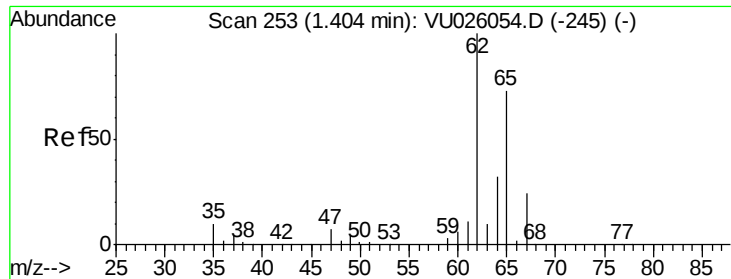
52 32.6 23.4 43.4



Abundance Ion 50.00 (49.70 to 50.70): VU026070.D (-137) (-)

Ion 52.00 (51.70 to 52.70): VU026070.D (-137) (-)





#5

Vinyl chloride

Concen: 49.748 ug/L

RT: 1.40 min Scan# 253

Delta R.T. -0.00 min

Lab File: VU026070.D

Acq: 13 Aug 2018 15:57

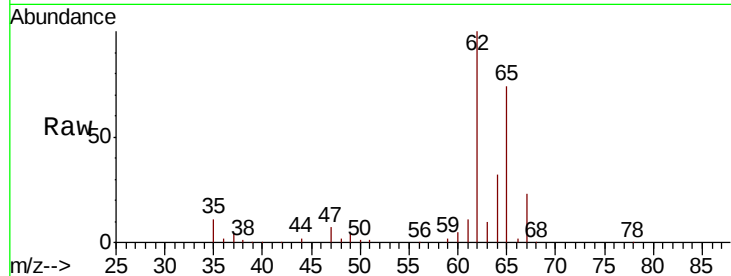
Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 62 Resp: 113605

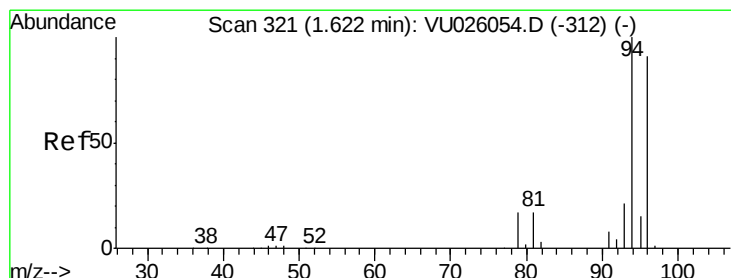
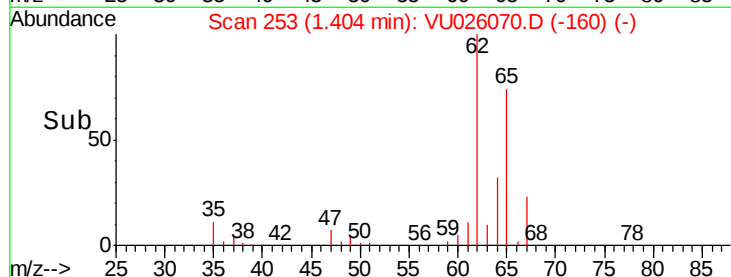
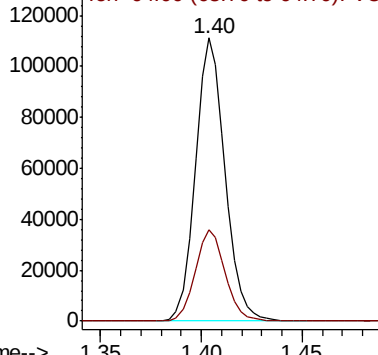
Ion Ratio Lower Upper

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: 53.928 ug/L

RT: 1.62 min Scan# 321

Delta R.T. -0.00 min

Lab File: VU026070.D

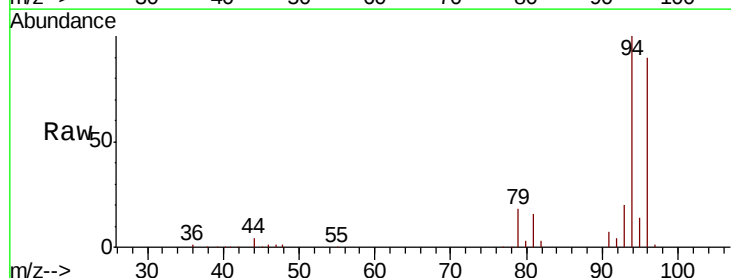
Acq: 13 Aug 2018 15:57

Tgt Ion: 94 Resp: 65853

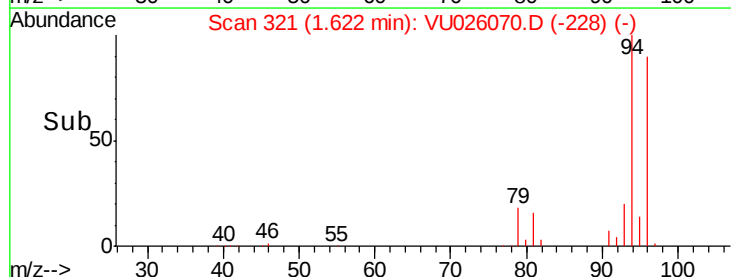
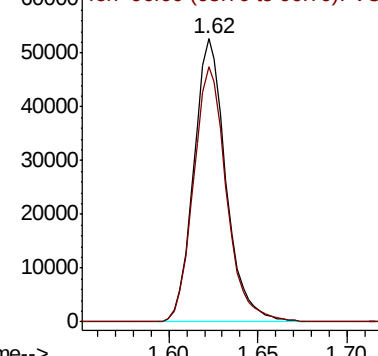
Ion Ratio Lower Upper

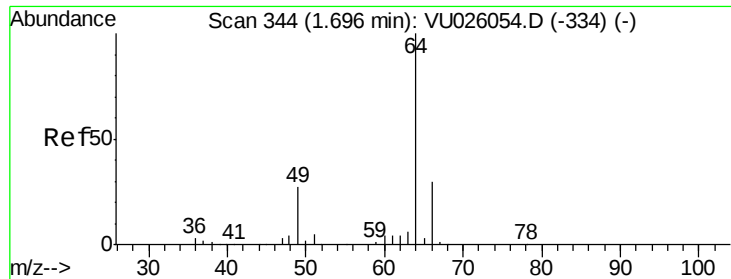
94 100

96 90.0 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: 48.958 ug/L

RT: 1.70 min Scan# 344

Delta R.T. -0.00 min

Lab File: VU026070.D

Acq: 13 Aug 2018 15:57

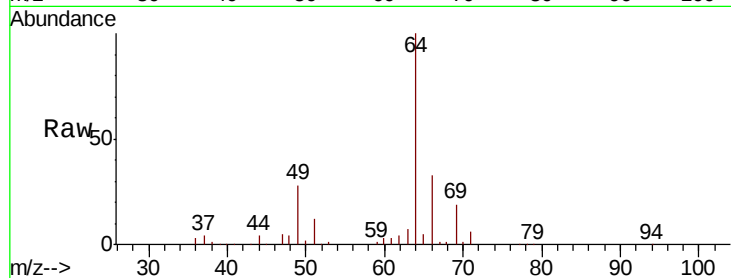
Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 64 Resp: 67182

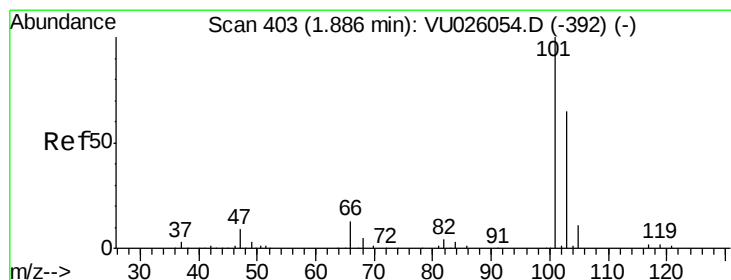
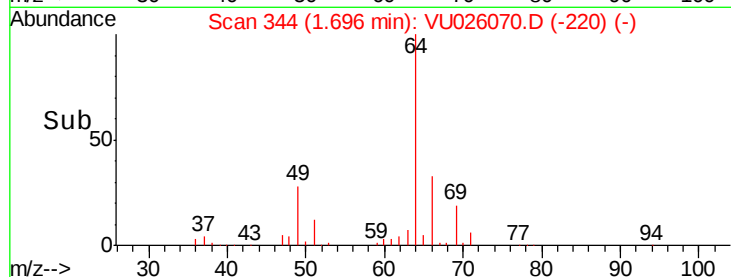
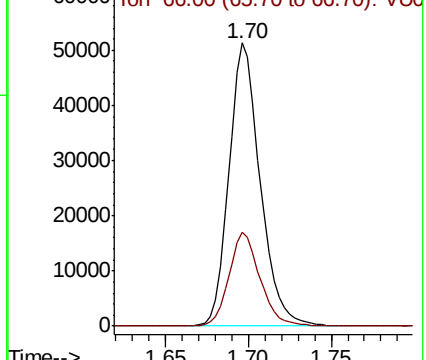
Ion Ratio Lower Upper

64 100

66 33.0 21.2 39.4



Abundance Ion 64.00 (63.70 to 64.70): VU026070.D (-220) (-)



#9

Trichlorofluoromethane

Concen: 50.209 ug/L

RT: 1.89 min Scan# 403

Delta R.T. -0.00 min

Lab File: VU026070.D

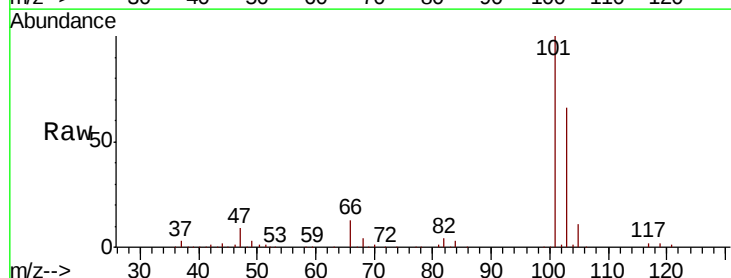
Acq: 13 Aug 2018 15:57

Tgt Ion:101 Resp: 164044

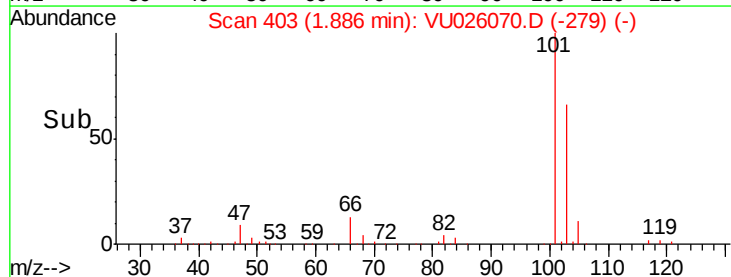
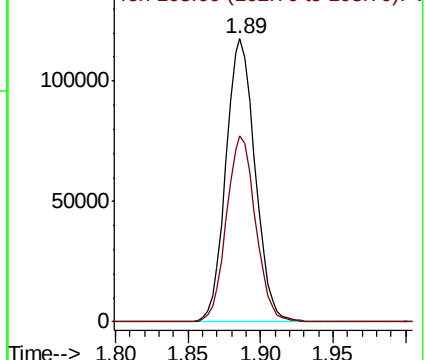
Ion Ratio Lower Upper

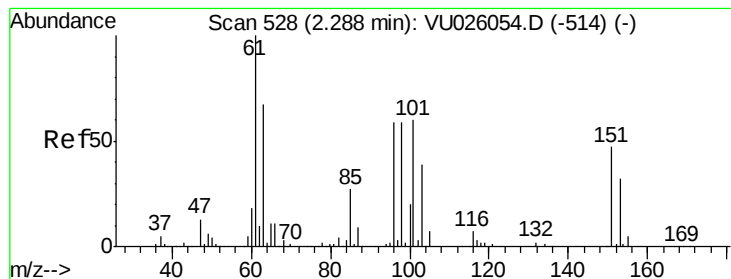
101 100

103 65.4 52.7 79.1



Abundance Ion 101.00 (100.70 to 101.70): VU026070.D (-279) (-)





#10

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

Concen: 51.495 ug/L

RT: 2.29 min Scan# 528

Delta R.T. -0.00 min

Lab File: VU026070.D

Acq: 13 Aug 2018 15:57

Instrument :

MSVOA_U

ClientSampled :

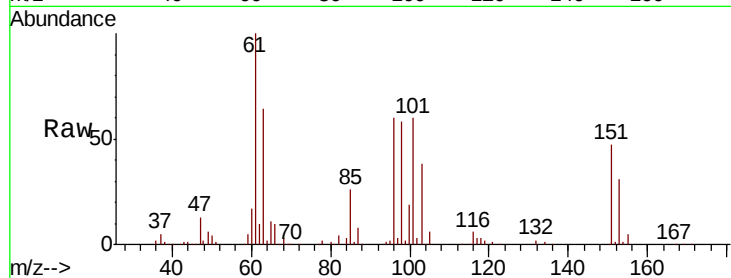
Tot Ion: 101 Resp: 97871

Ion Ratio Lower Upper

101 100

85 44.2 36.0 54.0

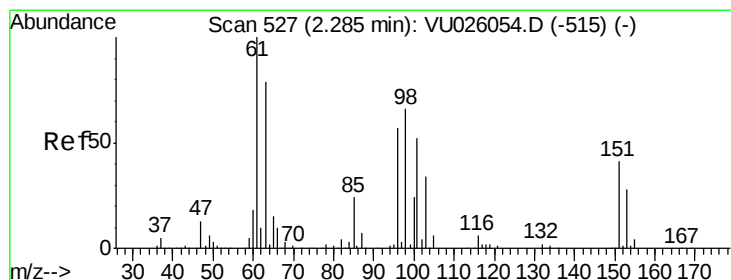
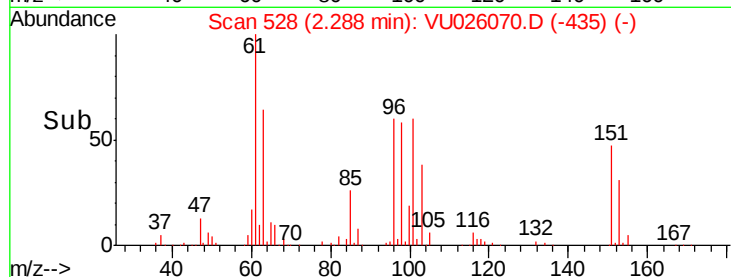
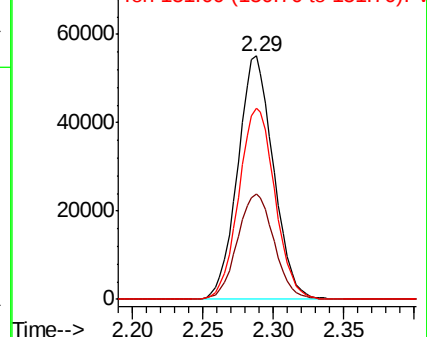
151 79.6 64.2 96.2



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: 50.614 ug/L

RT: 2.28 min Scan# 527

Delta R.T. -0.00 min

Lab File: VU026070.D

Acq: 13 Aug 2018 15:57

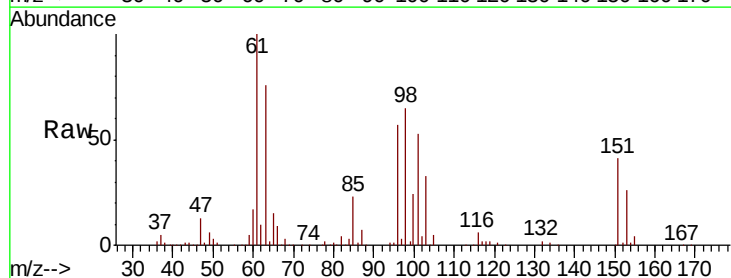
Tgt Ion: 96 Resp: 88467

Ion Ratio Lower Upper

96 100

61 176.1 121.2 225.2

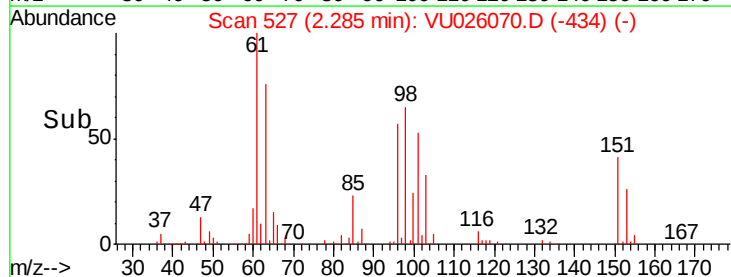
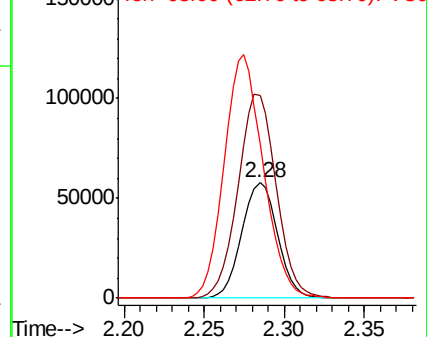
63 133.5 108.7 201.9

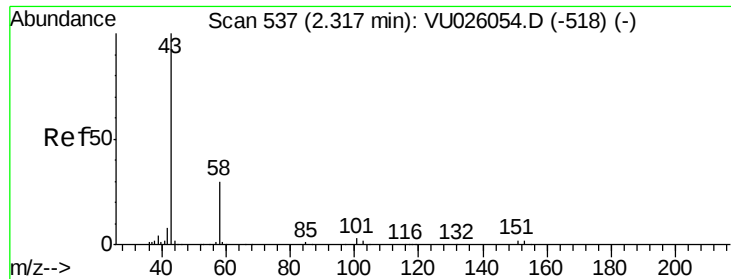


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 85.316 ug/L

RT: 2.32 min Scan# 538

Delta R.T. 0.00 min

Lab File: VU026070.D

Acq: 13 Aug 2018 15:57

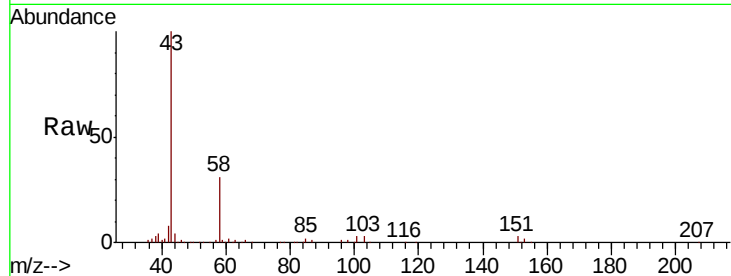
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 43 Resp: 97750

Ion Ratio Lower Upper

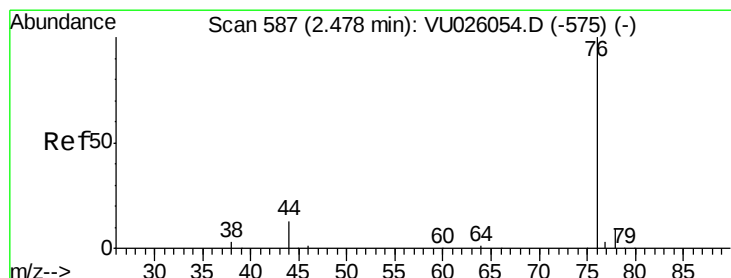
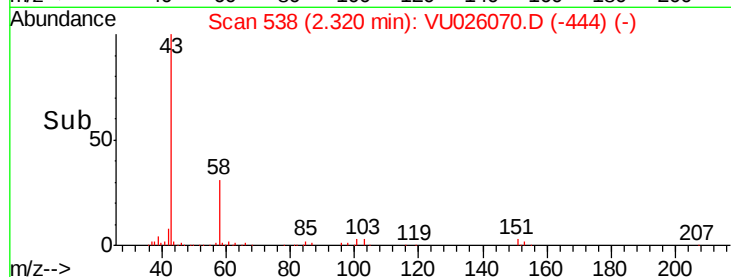
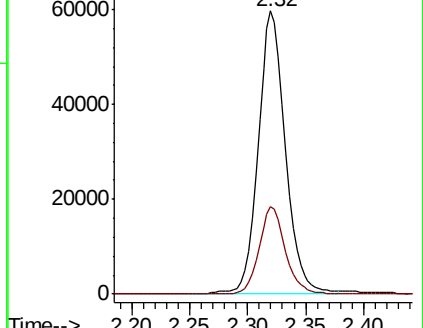
43 100

58 29.7 0.0 61.8



Abundance Ion 43.00 (42.70 to 43.70): VU026070.D (-444) (-)

Ion 58.00 (57.70 to 58.70): VU026070.D (-444) (-)



#14

Carbon disulfide

Concen: 49.685 ug/L

RT: 2.48 min Scan# 587

Delta R.T. -0.00 min

Lab File: VU026070.D

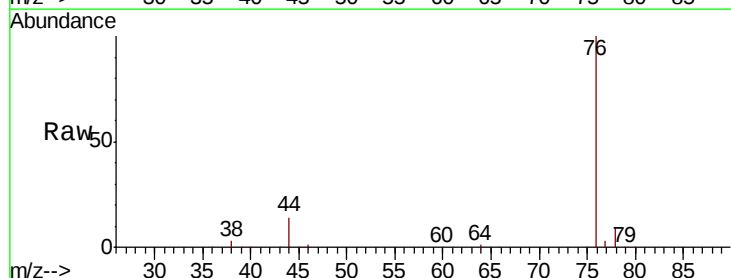
Acq: 13 Aug 2018 15:57

Tgt Ion: 76 Resp: 285706

Ion Ratio Lower Upper

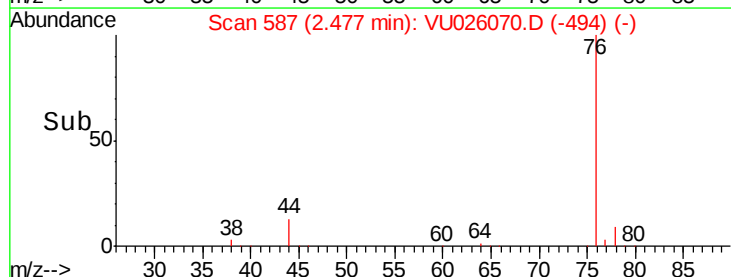
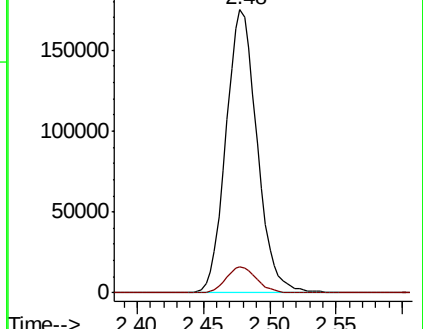
76 100

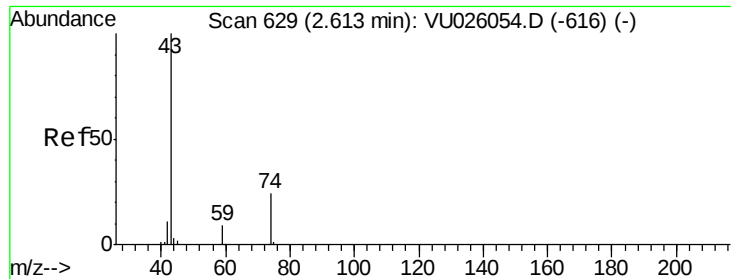
78 9.1 7.2 10.8



Abundance Ion 76.00 (75.70 to 76.70): VU026070.D (-494) (-)

Ion 78.00 (77.70 to 78.70): VU026070.D (-494) (-)

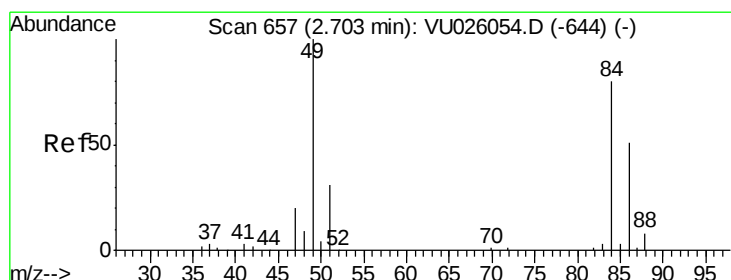
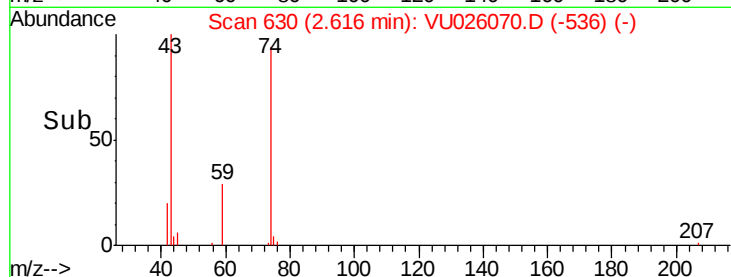
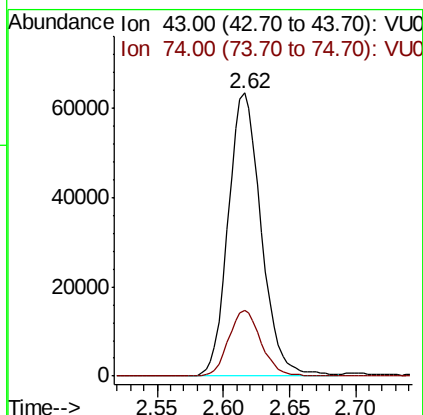
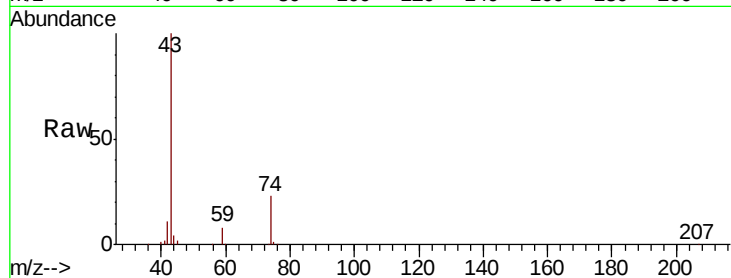




#15
Methvl Acetate
Concen: 45.830 ug/L
RT: 2.62 min Scan# 630
Delta R.T. 0.00 min
Lab File: VU026070.D
Acq: 13 Aug 2018 15:57

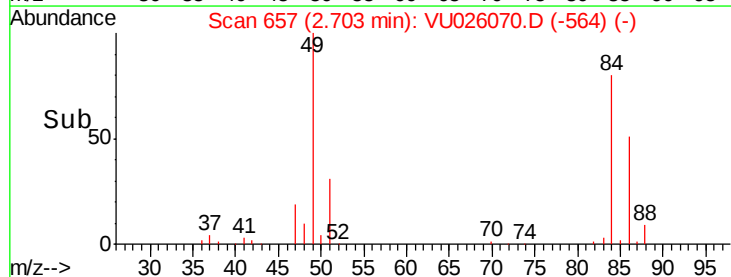
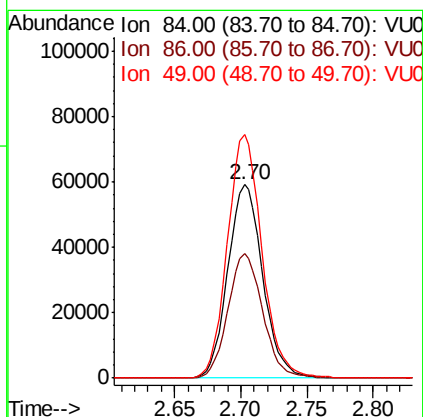
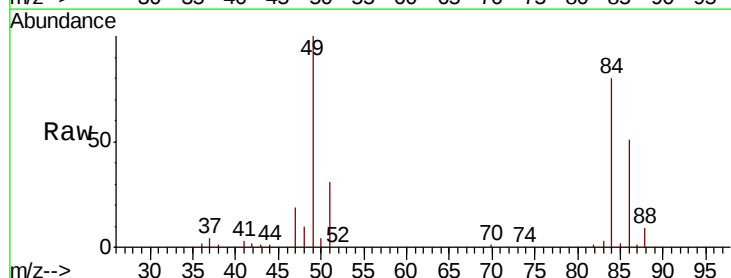
Instrument :
MSVOA_U
ClientSampleId :

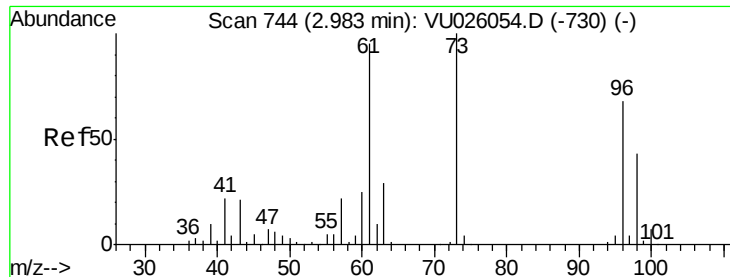
Tot Ion: 43 Resp: 109988
Ion Ratio Lower Upper
43 100
74 22.6 17.8 26.8



#16
Methylene chloride
Concen: 48.624 ug/L
RT: 2.70 min Scan# 657
Delta R.T. -0.00 min
Lab File: VU026070.D
Acq: 13 Aug 2018 15:57

Tgt Ion: 84 Resp: 108499
Ion Ratio Lower Upper
84 100
86 64.3 45.8 85.0
49 125.8 85.0 157.8

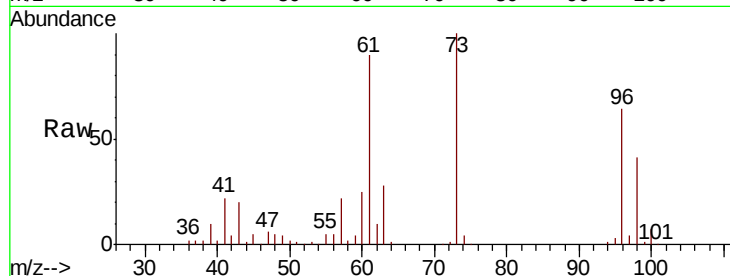




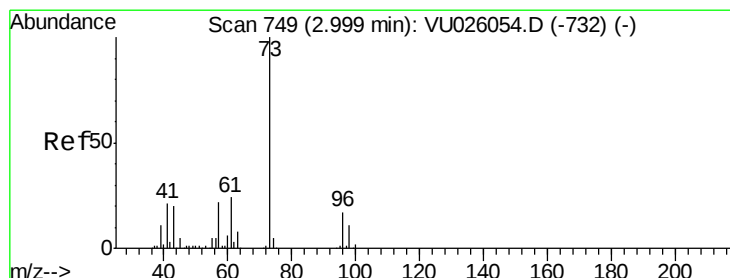
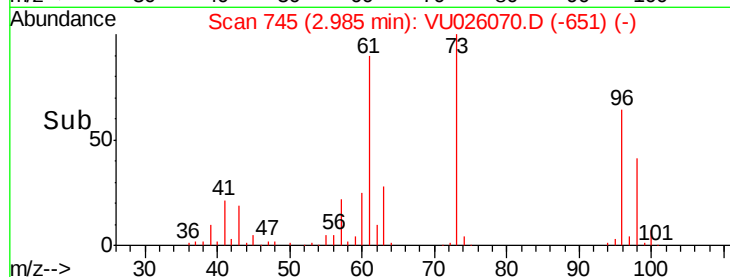
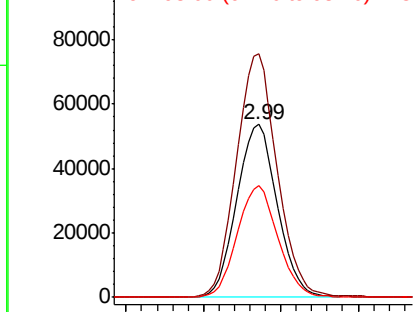
#17
trans-1,2-Dichloroethene
Concen: 50.387 ug/L
RT: 2.99 min Scan# 745
Delta R.T. 0.00 min
Lab File: VU026070.D
Acq: 13 Aug 2018 15:57

Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 96 Resp: 98130
Ion Ratio Lower Upper
96 100
61 140.9 102.8 190.8
98 64.5 44.7 83.1

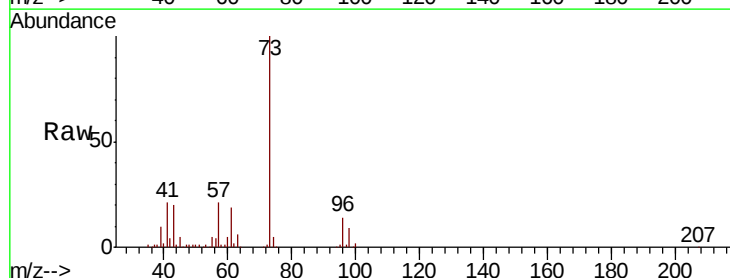


Abundance Ion 96.00 (95.70 to 96.70): VU0
Ion 61.00 (60.70 to 61.70): VU0
Ion 98.00 (97.70 to 98.70): VU0

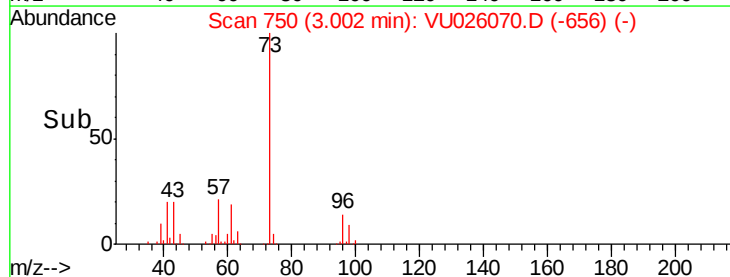
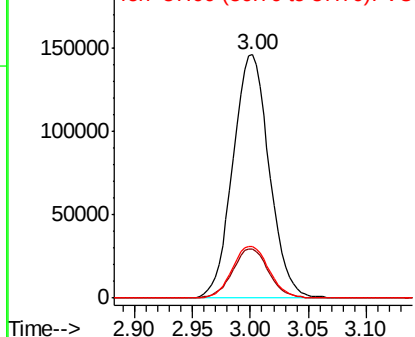


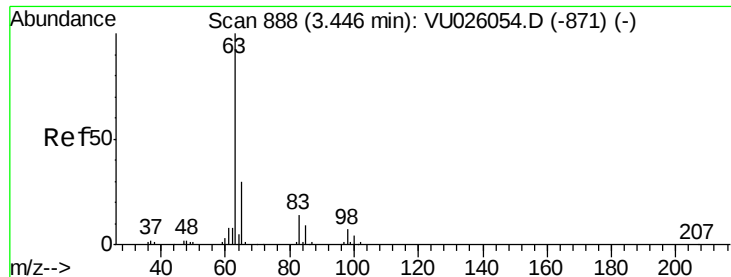
#18
Methyl tert-butyl Ether
Concen: 49.803 ug/L
RT: 3.00 min Scan# 750
Delta R.T. 0.00 min
Lab File: VU026070.D
Acq: 13 Aug 2018 15:57

Tgt Ion: 73 Resp: 318746
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: 50.705 ug/L

RT: 3.45 min Scan# 889

Delta R.T. 0.00 min

Lab File: VU026070.D

Acq: 13 Aug 2018 15:57

Instrument :

MSVOA_U

ClientSampled :

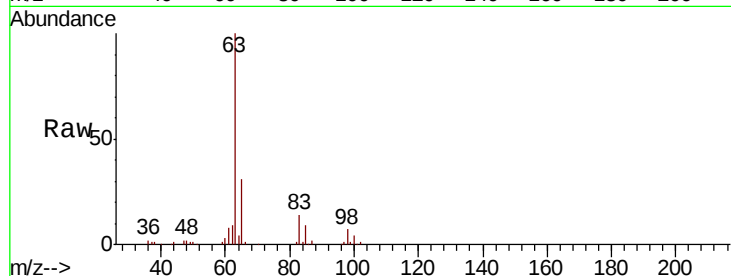
Tot Ion: 63 Resp: 191526

Ion Ratio Lower Upper

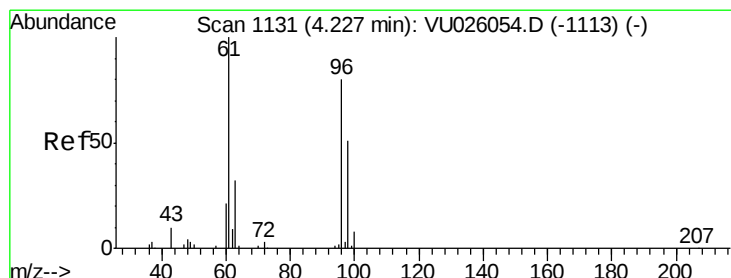
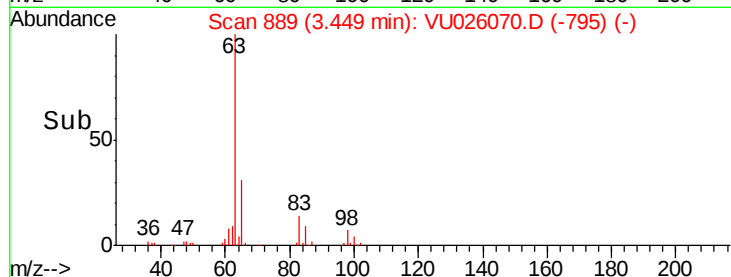
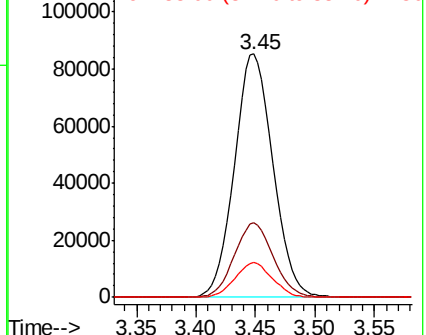
63 100

65 30.8 22.4 41.6

83 14.3 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: 50.096 ug/L

RT: 4.23 min Scan# 1132

Delta R.T. 0.00 min

Lab File: VU026070.D

Acq: 13 Aug 2018 15:57

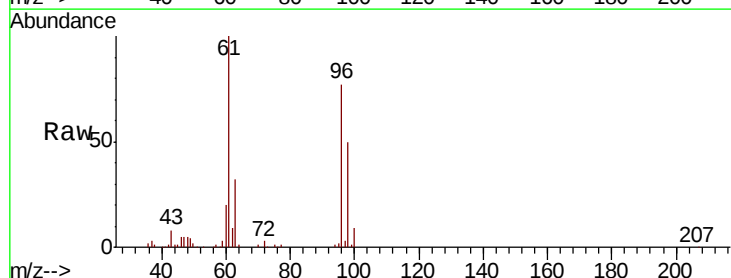
Tgt Ion: 96 Resp: 112256

Ion Ratio Lower Upper

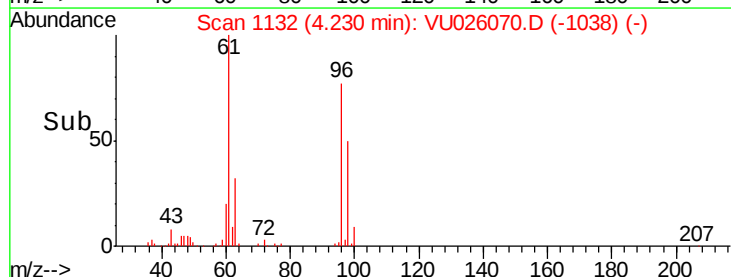
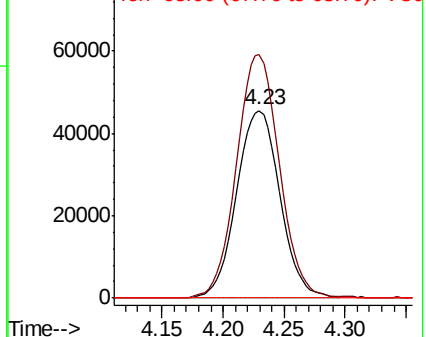
96 100

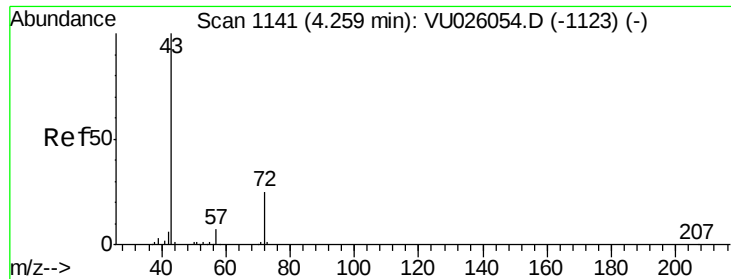
61 129.8 90.7 168.5

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: 88.059 ug/L

RT: 4.27 min Scan# 1143

Delta R.T. 0.01 min

Lab File: VU026070.D

Acq: 13 Aug 2018 15:57

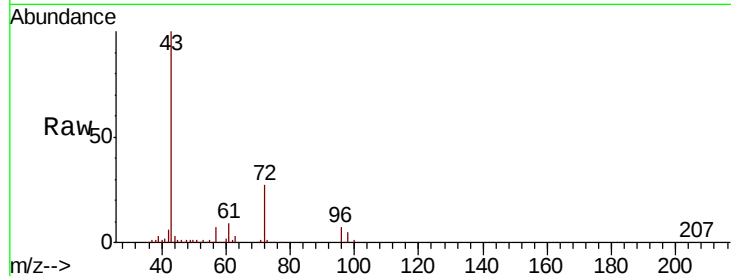
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 43 Resp: 145985

Ion Ratio Lower Upper

43 100

72 28.1 13.5 40.5



Abundance Ion 43.00 (42.70 to 43.70): VU026070.D (-1143) (-)

Ion 72.00 (71.70 to 72.70): VU026070.D (-1143) (-)

4.27

60000

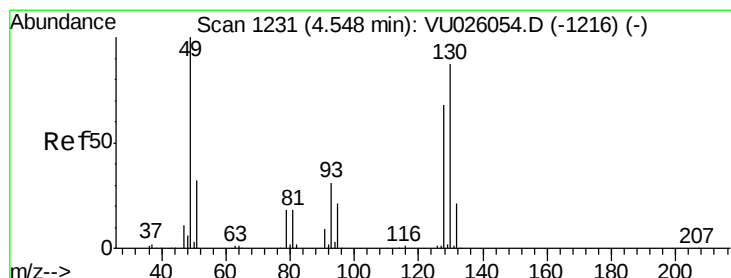
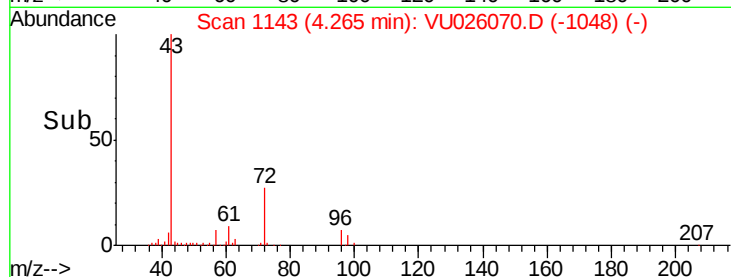
40000

20000

0

4.20 4.30 4.40

Time-->



#23

Bromochloromethane

Concen: 50.423 ug/L

RT: 4.55 min Scan# 1232

Delta R.T. 0.00 min

Lab File: VU026070.D

Acq: 13 Aug 2018 15:57

Tgt Ion: 128 Resp: 60180

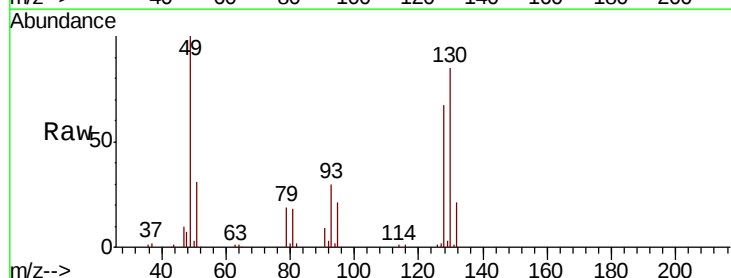
Ion Ratio Lower Upper

128 100

49 149.9 103.0 191.2

130 128.1 89.5 166.1

51 46.8 37.7 56.5



Abundance Ion 128.00 (127.70 to 128.70): VU026070.D (-1232) (-)

Ion 49.00 (48.70 to 49.70): VU026070.D (-1232) (-)

Ion 130.00 (129.70 to 130.70): VU026070.D (-1232) (-)

Ion 51.00 (50.70 to 51.70): VU026070.D (-1232) (-)

60000

50000

40000

30000

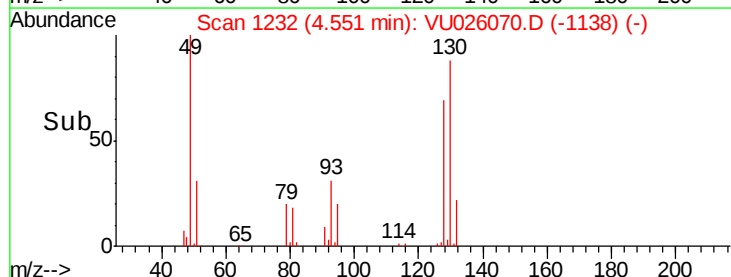
20000

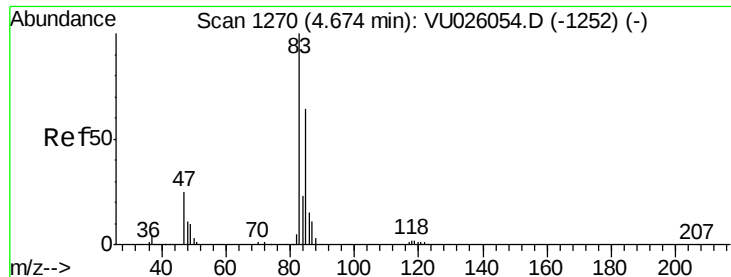
10000

0

4.45 4.50 4.55 4.60 4.65

Time-->





#25

Chloroform

Concen: 50.711 ug/L

RT: 4.68 min Scan# 1271

Delta R.T. 0.00 min

Lab File: VU026070.D

Acq: 13 Aug 2018 15:57

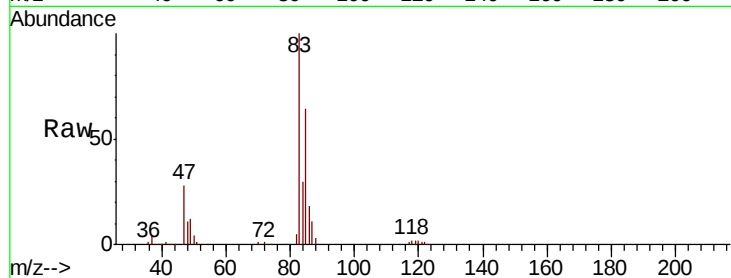
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 83 Resp: 199466

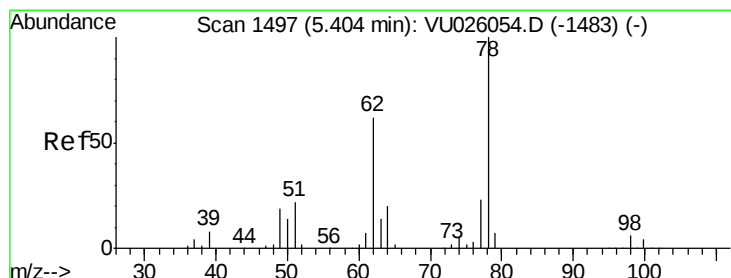
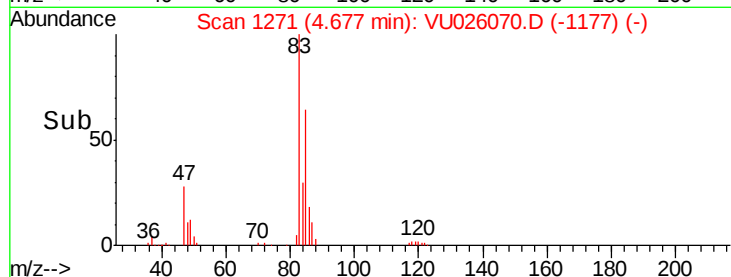
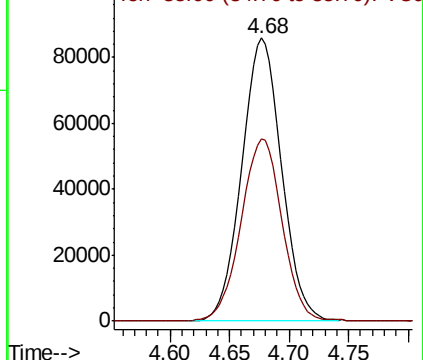
Ion Ratio Lower Upper

83 100

85 64.5 45.9 85.3



Abundance Ion 83.00 (82.70 to 83.70): VU0
Ion 85.00 (84.70 to 85.70): VU0



#27

1,2-Dichloroethane

Concen: 50.074 ug/L

RT: 5.41 min Scan# 1498

Delta R.T. 0.00 min

Lab File: VU026070.D

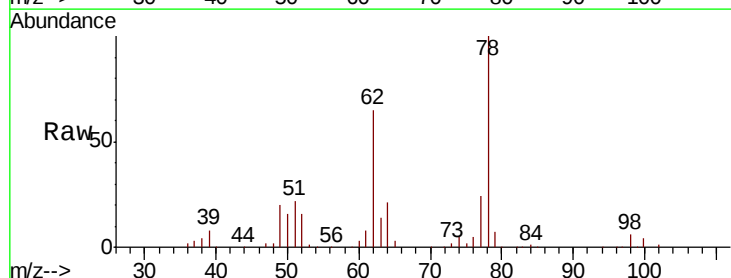
Acq: 13 Aug 2018 15:57

Tgt Ion: 62 Resp: 162675

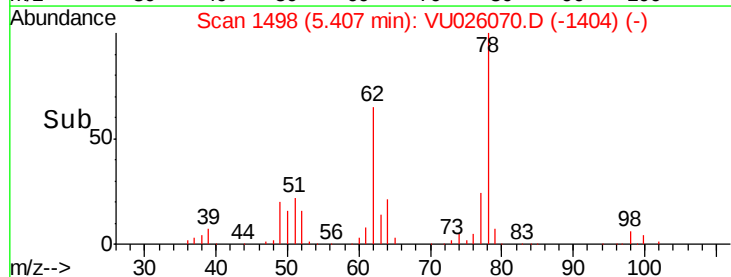
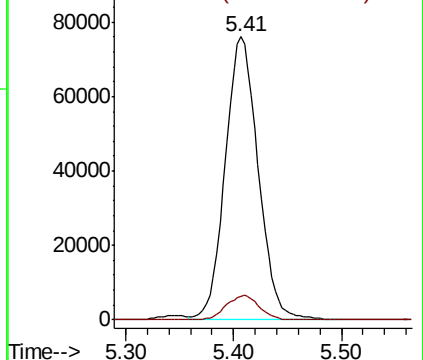
Ion Ratio Lower Upper

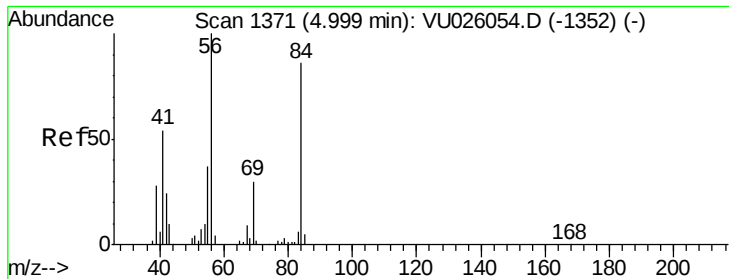
62 100

98 8.5 7.0 10.4



Abundance Ion 62.00 (61.70 to 62.70): VU0
Ion 98.00 (97.70 to 98.70): VU0

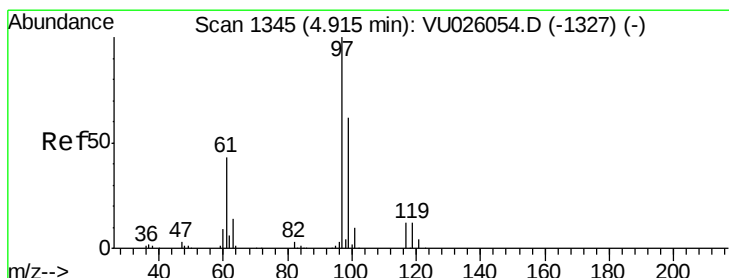
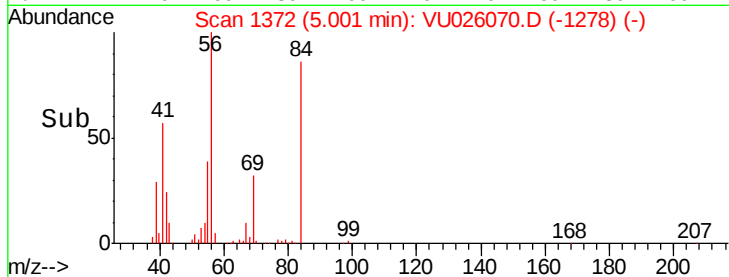
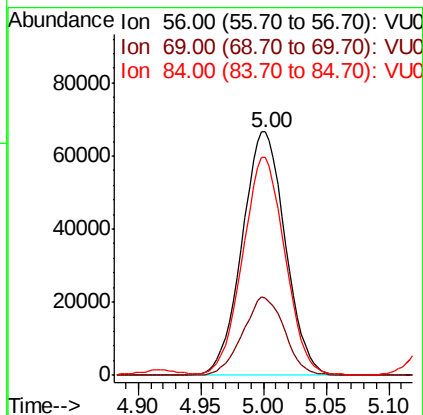
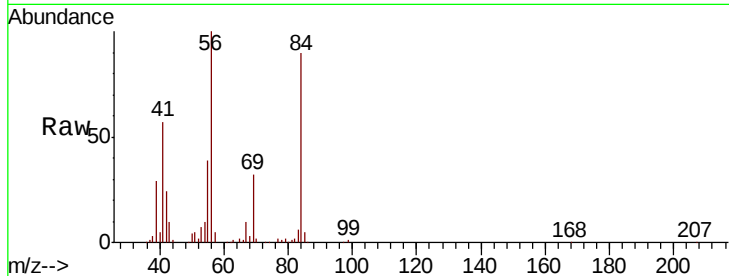




#29
Cyclohexane
Concen: 49.681 ug/L
RT: 5.00 min Scan# 1372
Delta R.T. 0.00 min
Lab File: VU026070.D
Acq: 13 Aug 2018 15:57

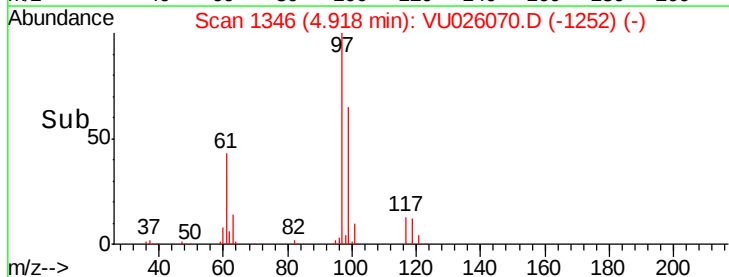
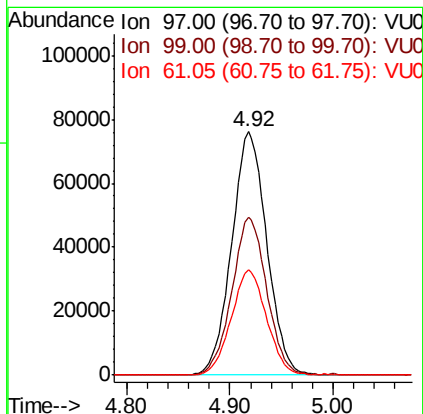
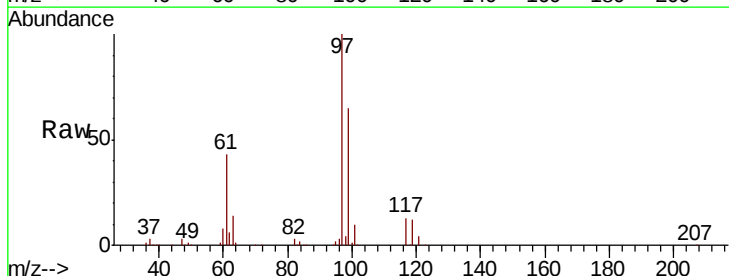
Instrument :
MSVOA_U
ClientSampleId :

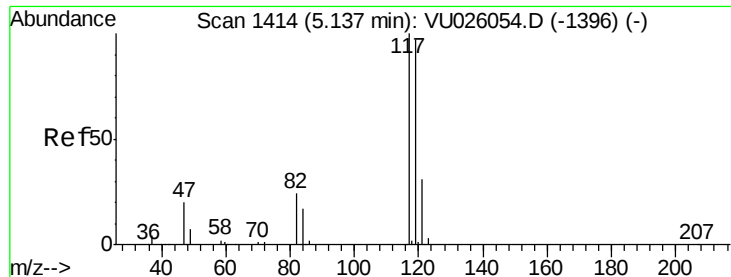
Tot Ion: 56 Resp: 159596
Ion Ratio Lower Upper
56 100
69 31.1 24.6 37.0
84 88.1 68.6 103.0



#30
1,1,1-Trichloroethane
Concen: 49.822 ug/L
RT: 4.92 min Scan# 1346
Delta R.T. 0.00 min
Lab File: VU026070.D
Acq: 13 Aug 2018 15:57

Tgt Ion: 97 Resp: 180679
Ion Ratio Lower Upper
97 100
99 64.4 51.8 77.6
61 43.4 34.7 52.1

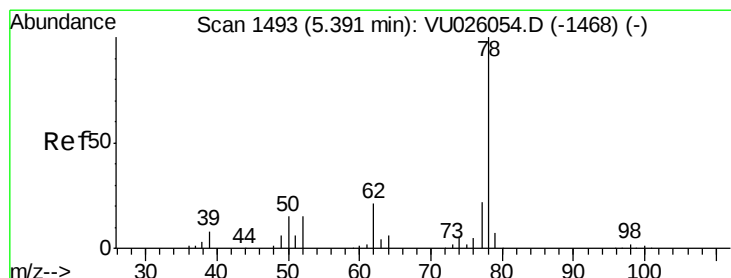
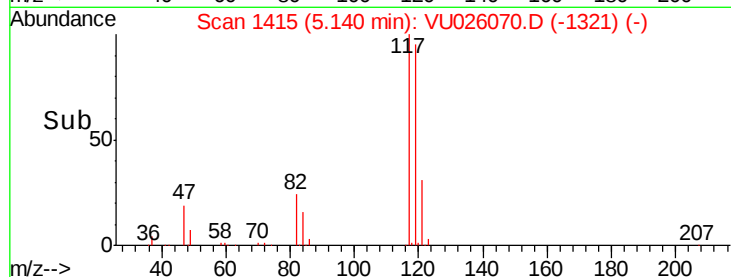
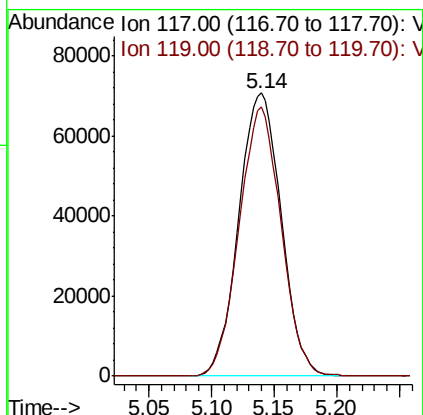
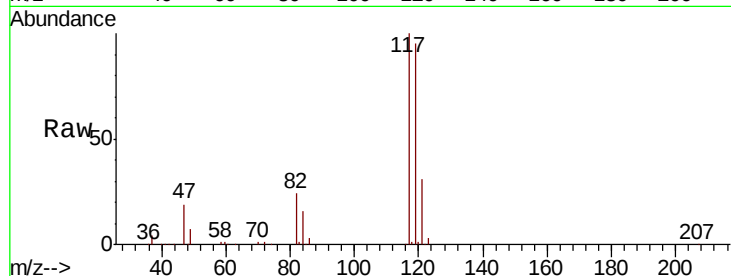




#31
Carbon tetrachloride
Concen: 50.232 ug/L
RT: 5.14 min Scan# 1415
Delta R.T. 0.00 min
Lab File: VU026070.D
Acq: 13 Aug 2018 15:57

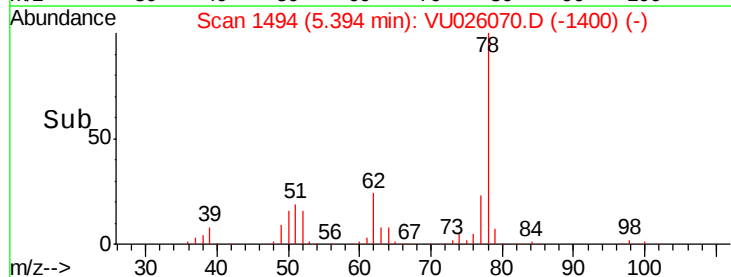
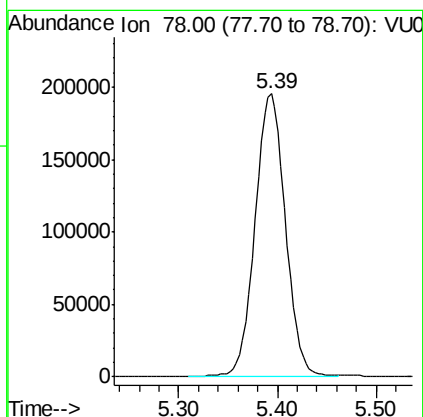
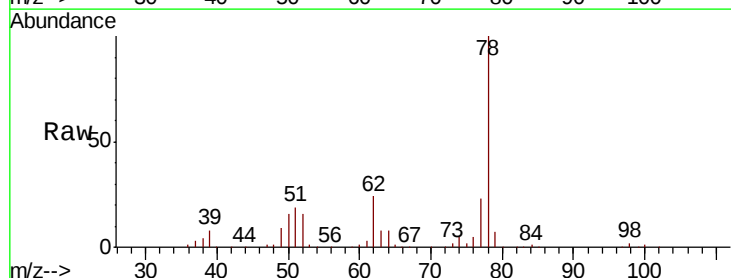
Instrument :
MSVOA_U
ClientSampleId :

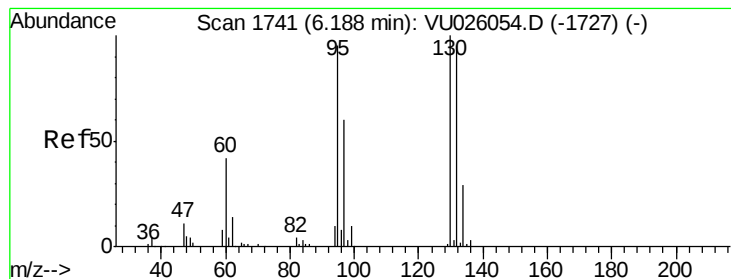
Tot Ion:117 Resp: 166347
Ion Ratio Lower Upper
117 100
119 94.0 76.3 114.5



#33
Benzene
Concen: 50.749 ug/L
RT: 5.39 min Scan# 1494
Delta R.T. 0.00 min
Lab File: VU026070.D
Acq: 13 Aug 2018 15:57

Tgt Ion: 78 Resp: 415452





#34

Trichloroethene

Concen: 50.142 ug/L

RT: 6.19 min Scan# 1741

Delta R.T. -0.00 min

Lab File: VU026070.D

Acq: 13 Aug 2018 15:57

Instrument :

MSVOA_U

ClientSampleId :

Tot Ion: 95 Resp: 107237

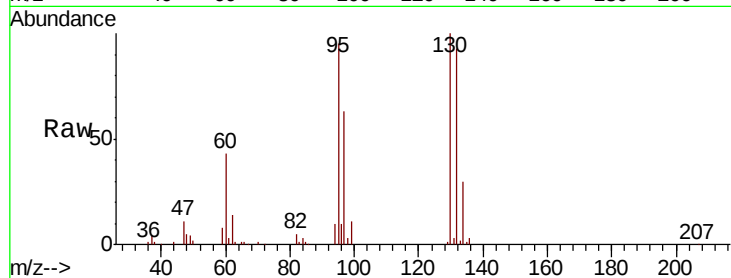
Ion Ratio Lower Upper

95 100

97 66.9 45.2 84.0

132 98.4 68.2 126.6

130 105.8 73.8 137.2

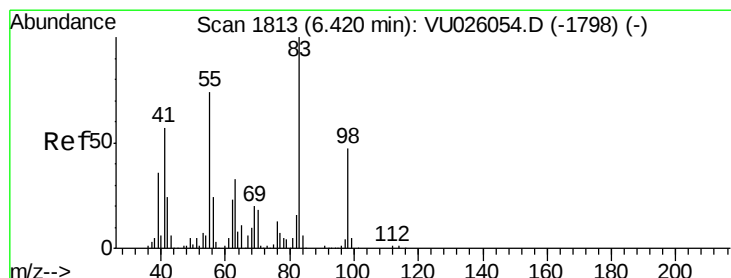
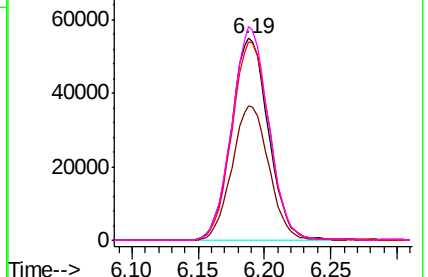
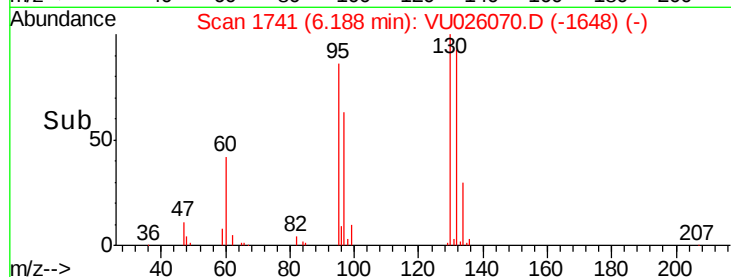


Abundance Ion 95.00 (94.70 to 95.70): VU0

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: 51.480 ug/L

RT: 6.42 min Scan# 1813

Delta R.T. -0.00 min

Lab File: VU026070.D

Acq: 13 Aug 2018 15:57

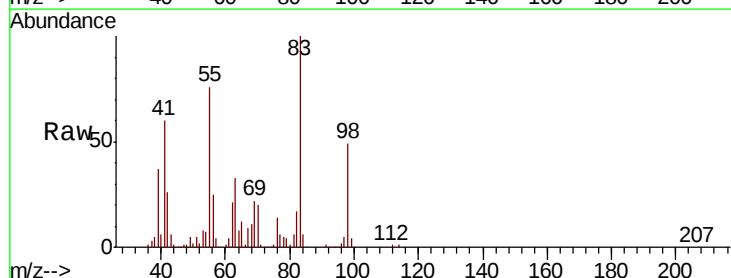
Tgt Ion: 83 Resp: 168111

Ion Ratio Lower Upper

83 100

55 76.4 61.0 91.6

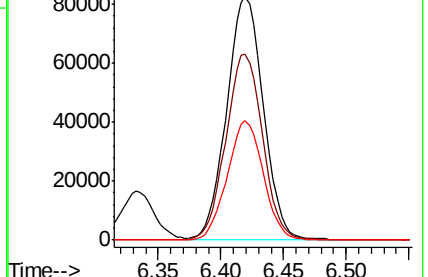
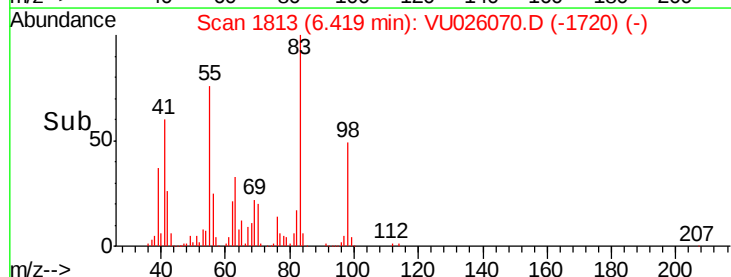
98 48.1 38.1 57.1

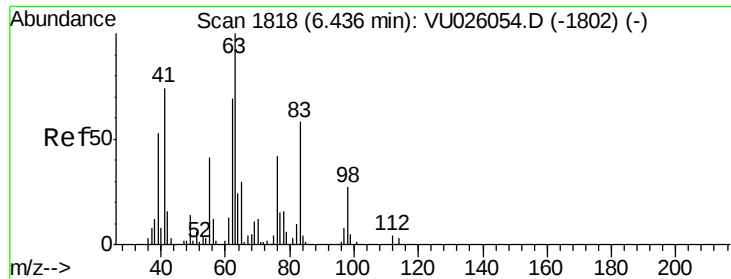


Abundance Ion 83.00 (82.70 to 83.70): VU0

Ion 55.00 (54.70 to 55.70): VU0

Ion 98.00 (97.70 to 98.70): VU0

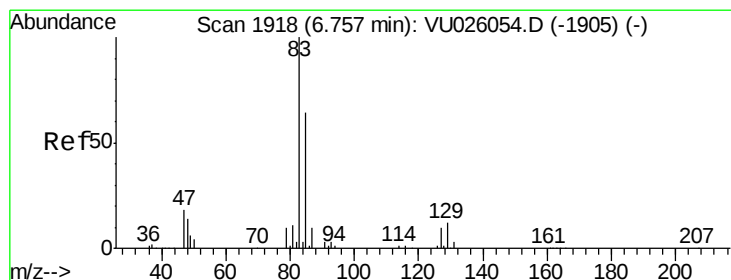
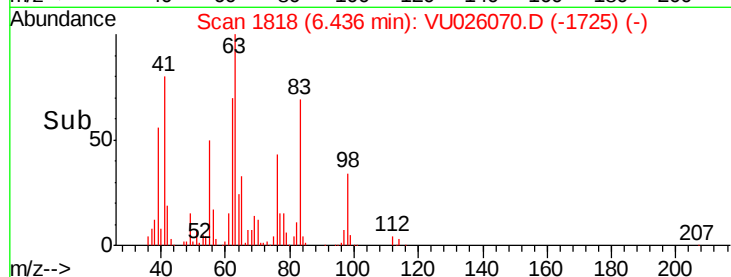
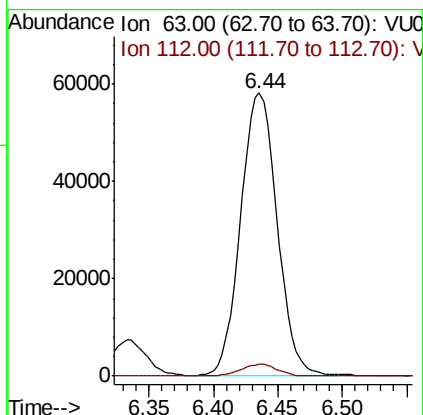
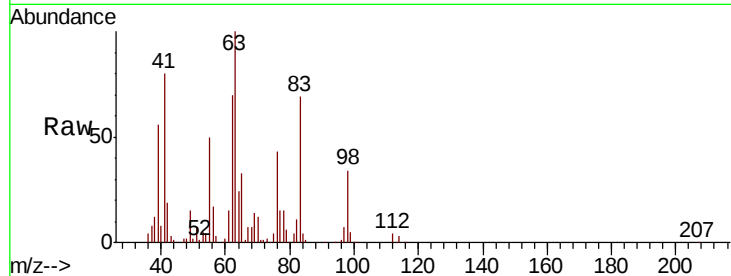




#37
 1,2-Dichloropropane
 Concen: 51.044 ug/L
 RT: 6.44 min Scan# 1818
 Delta R.T. -0.00 min
 Lab File: VU026070.D
 Acq: 13 Aug 2018 15:57

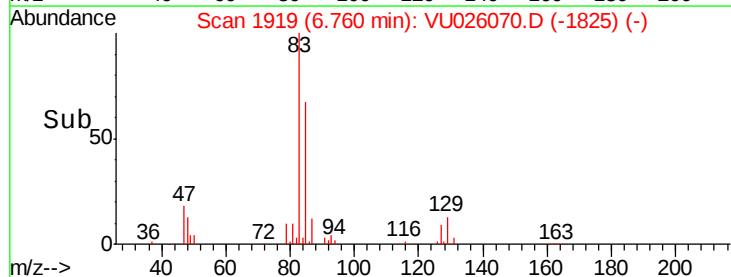
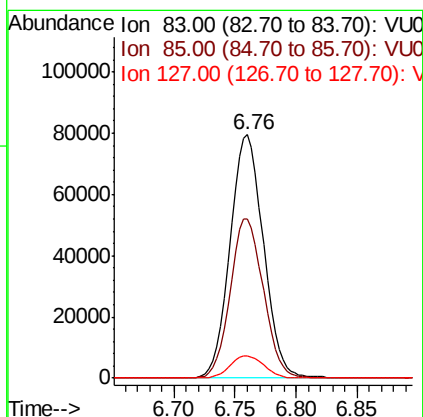
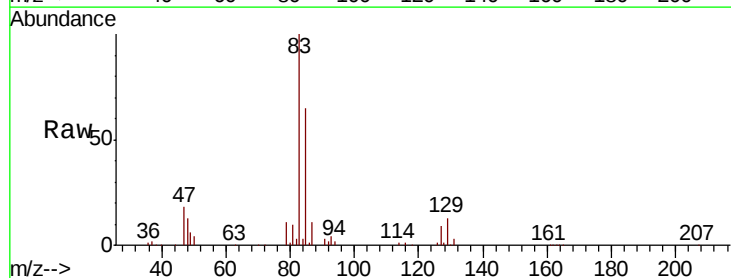
Instrument :
 MSVOA_U
 ClientSampleId :

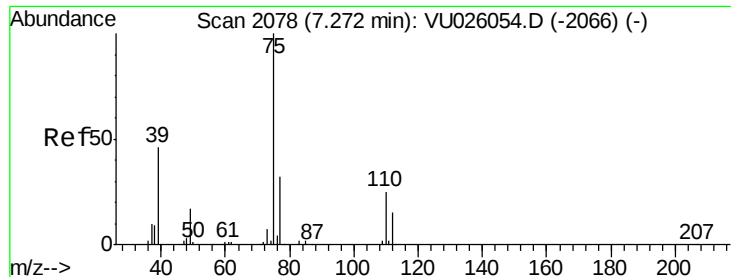
Tot Ion: 63 Resp: 114337
 Ion Ratio Lower Upper
 63 100
 112 4.4 3.2 4.8



#38
 Bromodichloromethane
 Concen: 50.743 ug/L
 RT: 6.76 min Scan# 1919
 Delta R.T. 0.00 min
 Lab File: VU026070.D
 Acq: 13 Aug 2018 15:57

Tgt Ion: 83 Resp: 151428
 Ion Ratio Lower Upper
 83 100
 85 65.3 45.3 84.1
 127 9.2 7.4 11.2

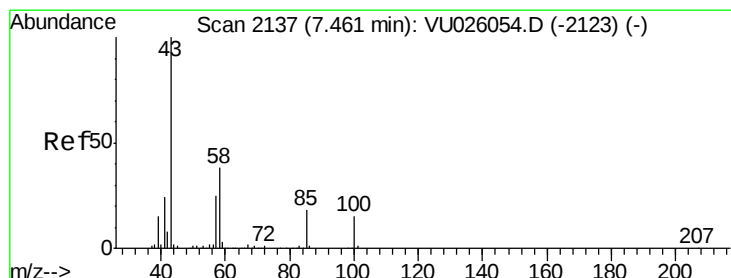
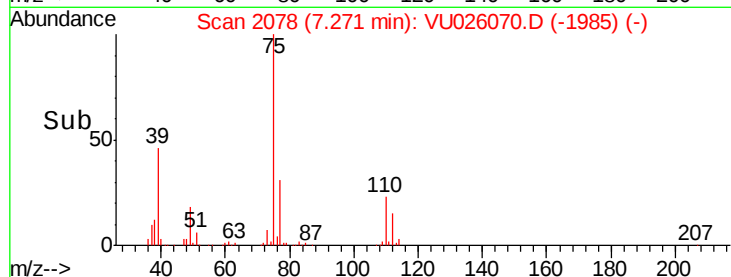
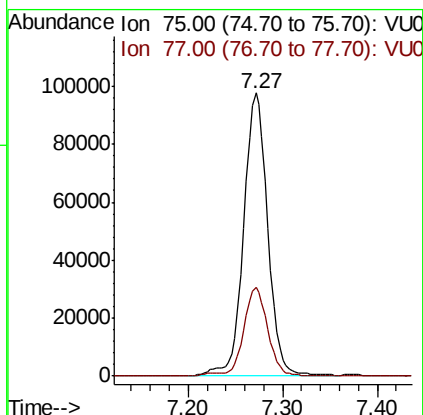
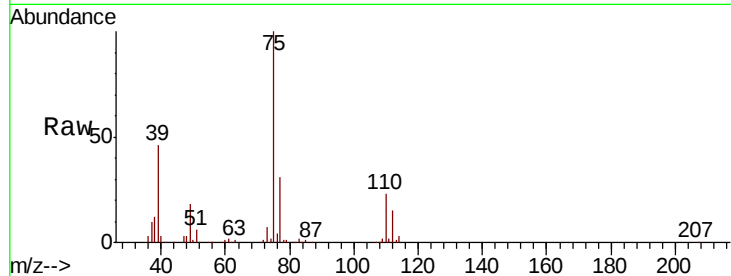




#39
 cis-1,3-Dichloropropene
 Concen: 51.010 ug/L
 RT: 7.27 min Scan# 2078
 Delta R.T. -0.00 min
 Lab File: VU026070.D
 Acq: 13 Aug 2018 15:57

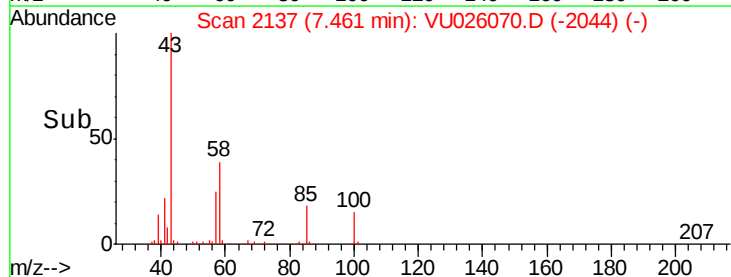
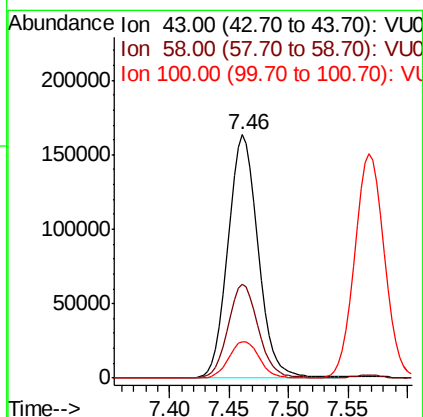
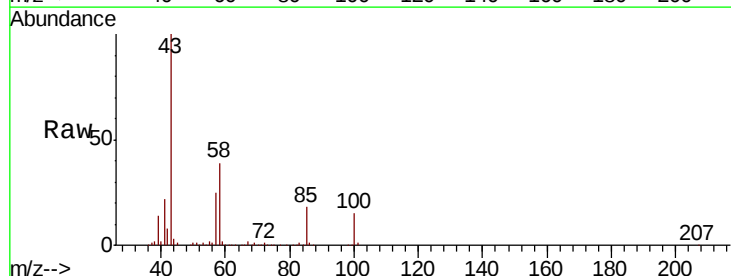
Instrument :
 MSVOA_U
 ClientSampled :

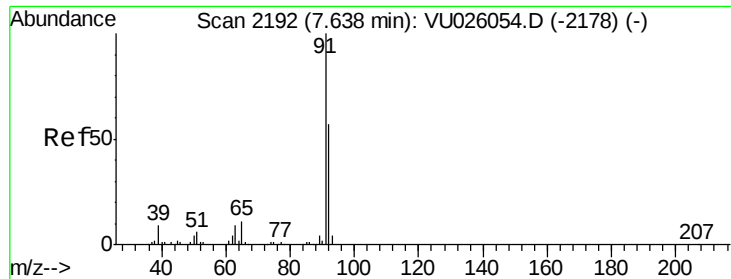
Tot Ion: 75 Resp: 173172
 Ion Ratio Lower Upper
 75 100
 77 31.2 22.1 41.1



#40
 4-Methyl-2-pentanone
 Concen: 93.322 ug/L
 RT: 7.46 min Scan# 2137
 Delta R.T. -0.00 min
 Lab File: VU026070.D
 Acq: 13 Aug 2018 15:57

Tgt Ion: 43 Resp: 287220
 Ion Ratio Lower Upper
 43 100
 58 38.7 30.6 46.0
 100 15.3 11.8 17.6





#42

Toluene

Concen: 51.740 ug/L

RT: 7.64 min Scan# 2192

Delta R.T. -0.00 min

Lab File: VU026070.D

Acq: 13 Aug 2018 15:57

Instrument :

MSVOA_U

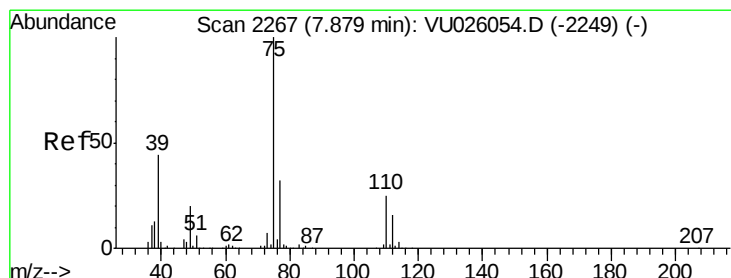
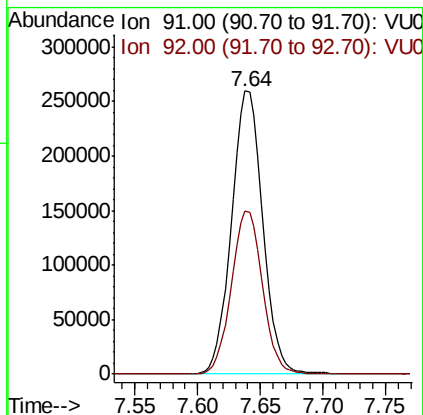
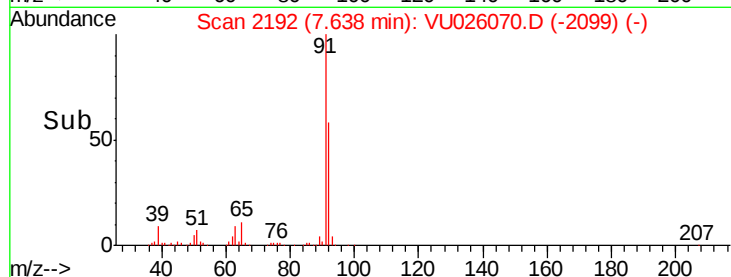
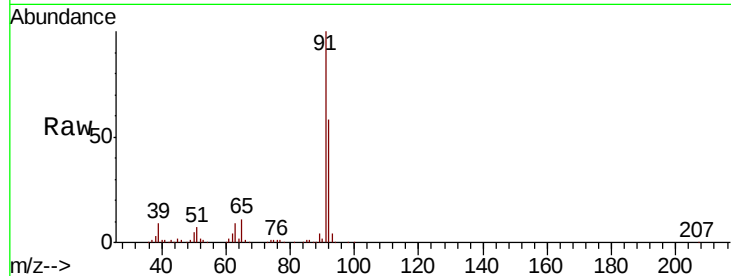
ClientSampleId :

Tot Ion: 91 Resp: 449587

Ion Ratio Lower Upper

91 100

92 57.7 41.0 76.2



#44

trans-1,3-Dichloropropene

Concen: 51.210 ug/L

RT: 7.88 min Scan# 2268

Delta R.T. 0.00 min

Lab File: VU026070.D

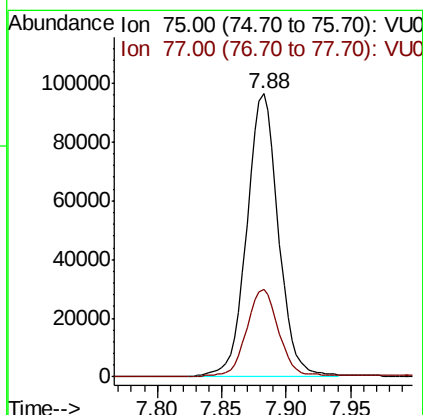
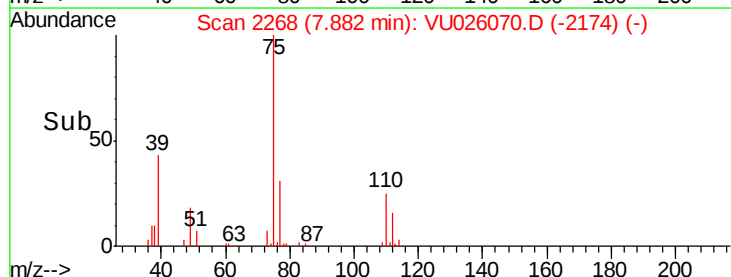
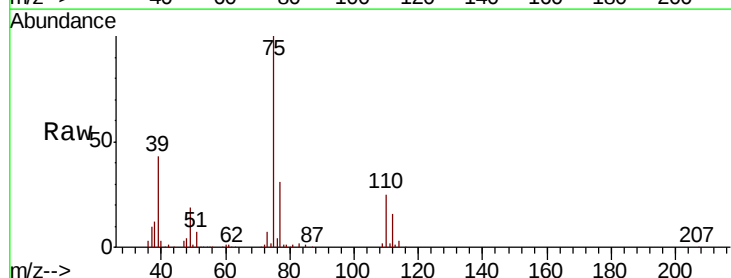
Acq: 13 Aug 2018 15:57

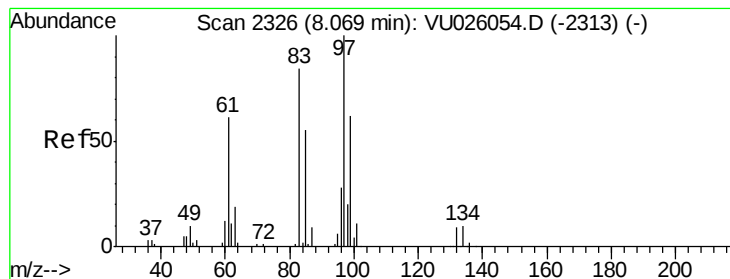
Tgt Ion: 75 Resp: 165477

Ion Ratio Lower Upper

75 100

77 31.1 23.0 42.6





#45

1,1,2-Trichloroethane

Concen: 50.415 ug/L

RT: 8.07 min Scan# 2326

Delta R.T. -0.00 min

Lab File: VU026070.D

Acq: 13 Aug 2018 15:57

Instrument :

MSVOA_U

ClientSampleId :

Tot Ion: 97 Resp: 107664

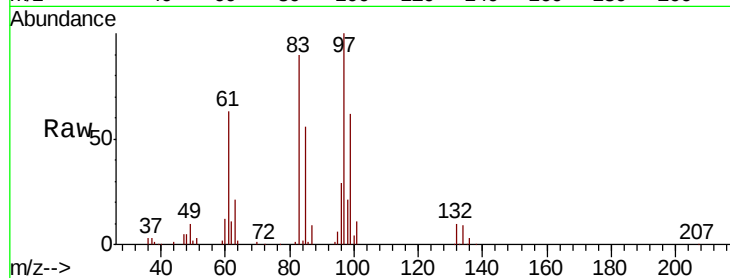
Ion Ratio Lower Upper

97 100

99 62.2 41.6 77.2

83 90.0 59.0 109.6

85 56.2 37.9 70.5



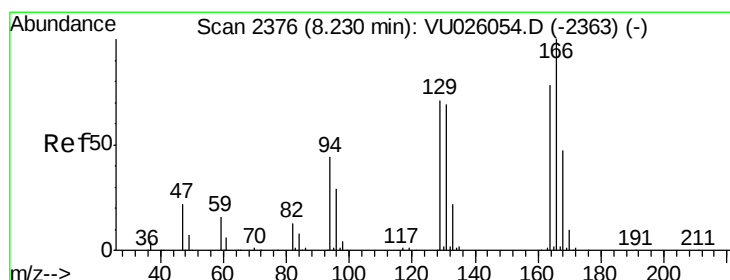
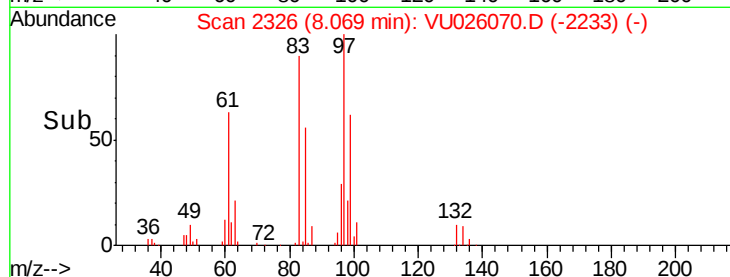
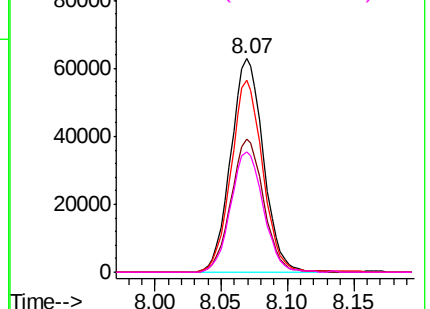
Abundance

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: 51.825 ug/L

RT: 8.23 min Scan# 2376

Delta R.T. -0.00 min

Lab File: VU026070.D

Acq: 13 Aug 2018 15:57

Tgt Ion:164 Resp: 94324

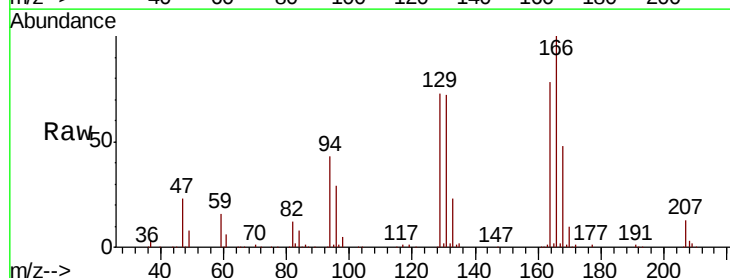
Ion Ratio Lower Upper

164 100

129 92.5 64.8 120.3

131 92.2 62.8 116.6

166 127.5 89.0 165.4



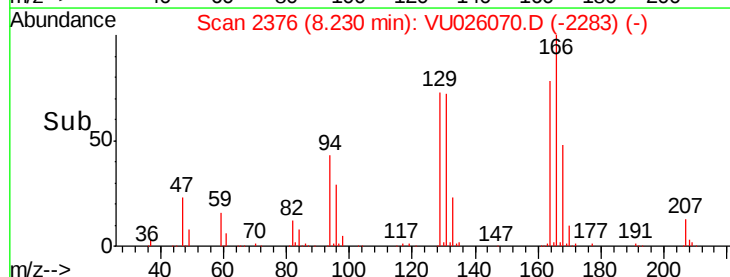
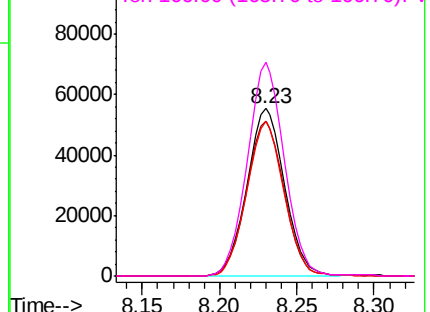
Abundance

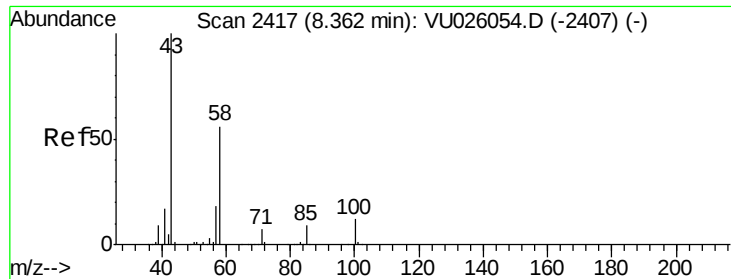
Ion 164.00 (163.70 to 164.70): V

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

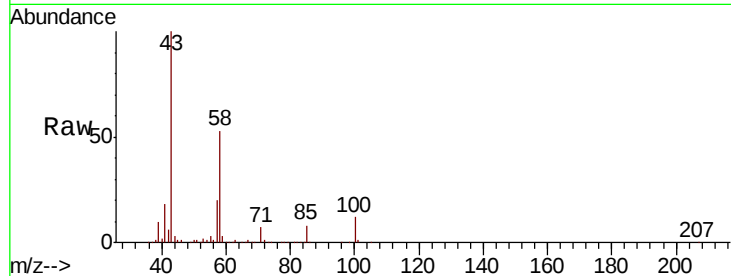




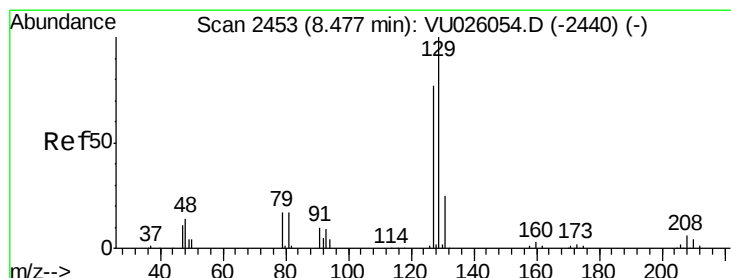
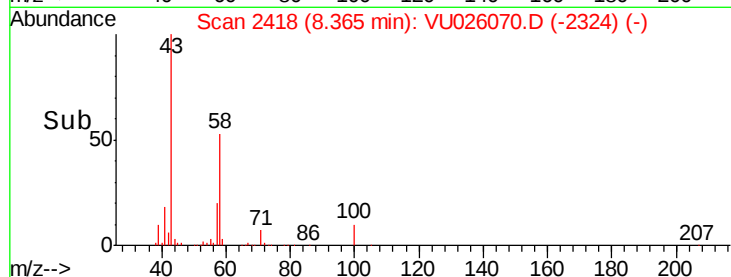
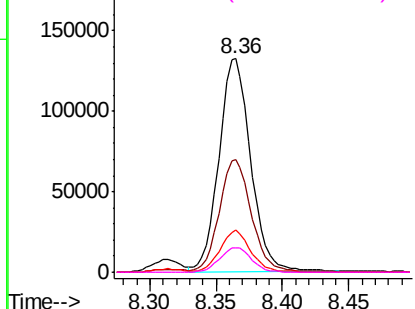
#48
2-Hexanone
Concen: 91.513 ug/L
RT: 8.36 min Scan# 2418
Delta R.T. 0.00 min
Lab File: VU026070.D
Acq: 13 Aug 2018 15:57

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion:	43	Resp:	219426
Ion	Ratio	Lower	Upper
43	100		
58	52.9	43.6	65.4
57	19.3	15.1	22.7
100	11.6	9.3	13.9

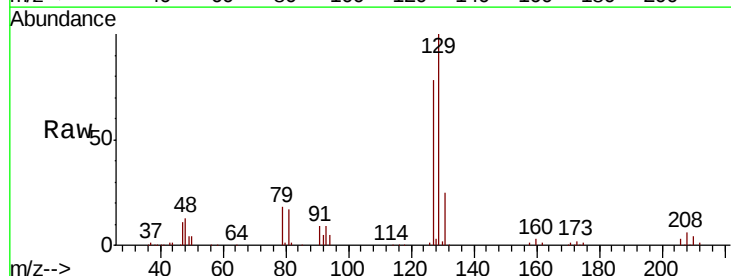


Abundance Ion 43.00 (42.70 to 43.70): VU0
Ion 58.00 (57.70 to 58.70): VU0
Ion 57.00 (56.70 to 57.70): VU0
Ion 100.00 (99.70 to 100.70): VU0

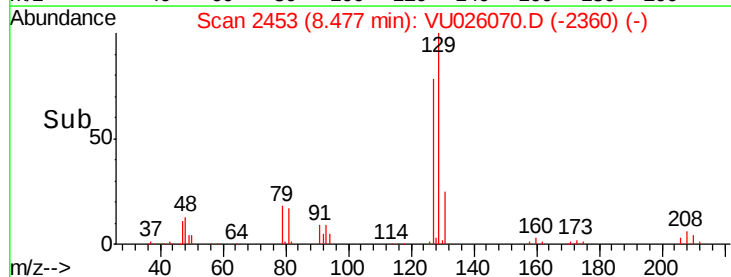
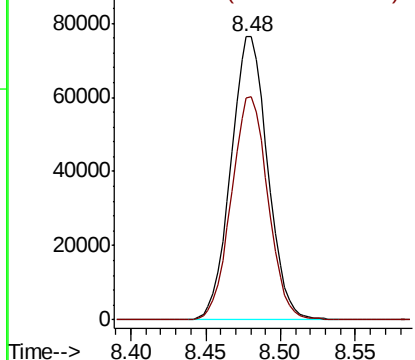


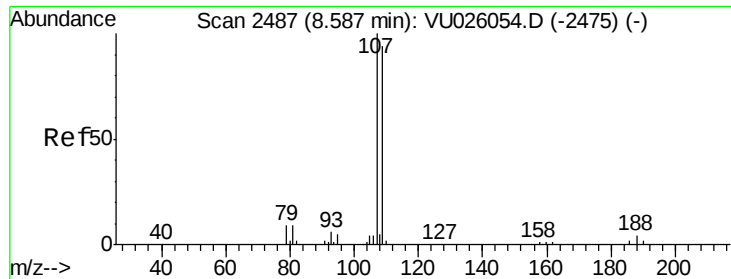
#49
Dibromochloromethane
Concen: 50.857 ug/L
RT: 8.48 min Scan# 2453
Delta R.T. -0.00 min
Lab File: VU026070.D
Acq: 13 Aug 2018 15:57

Tgt Ion:	129	Resp:	130967
Ion	Ratio	Lower	Upper
129	100		
127	78.5	53.5	99.3



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





#50

1,2-Dibromoethane

Concen: 50.629 ug/L

RT: 8.59 min Scan# 2488

Delta R.T. 0.00 min

Lab File: VU026070.D

Acq: 13 Aug 2018 15:57

Instrument :

MSVOA_U

ClientSampleId :

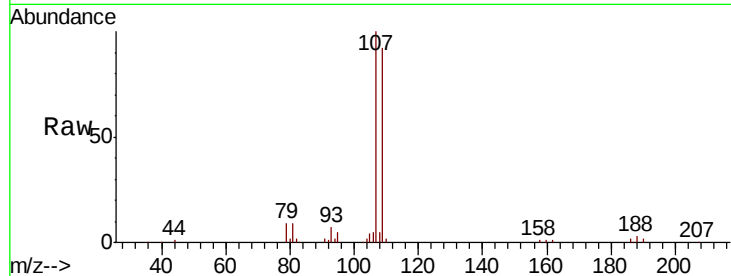
Tot Ion:107 Resp: 117756

Ion Ratio Lower Upper

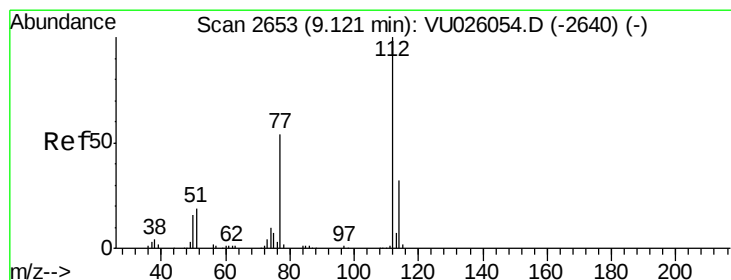
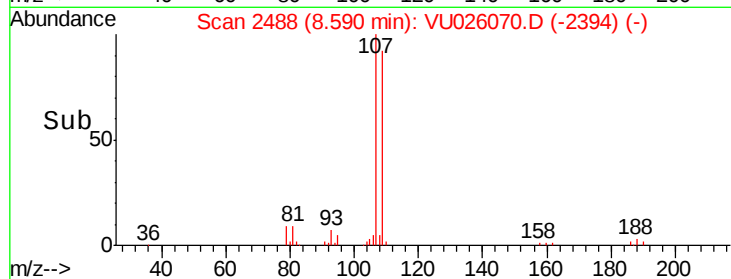
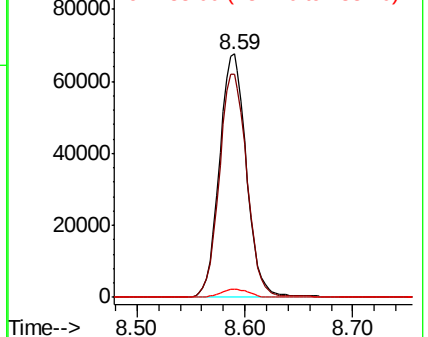
107 100

109 91.8 66.1 122.7

188 3.5 2.9 4.3



Abundance Ion 107.00 (106.70 to 107.70): V
Ion 109.00 (108.70 to 109.70): V
Ion 188.00 (187.70 to 188.70): V



#51

Chlorobenzene

Concen: 50.834 ug/L

RT: 9.12 min Scan# 2653

Delta R.T. -0.00 min

Lab File: VU026070.D

Acq: 13 Aug 2018 15:57

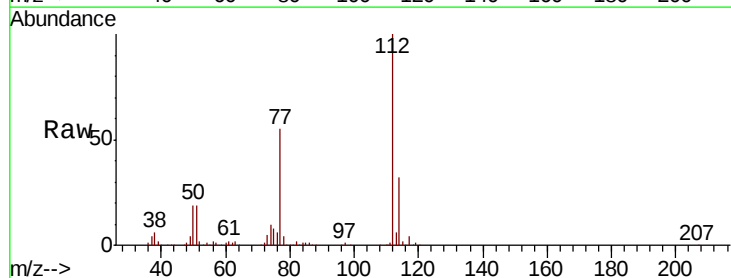
Tgt Ion:112 Resp: 297828

Ion Ratio Lower Upper

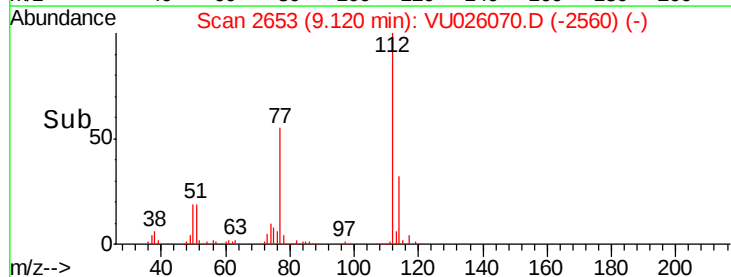
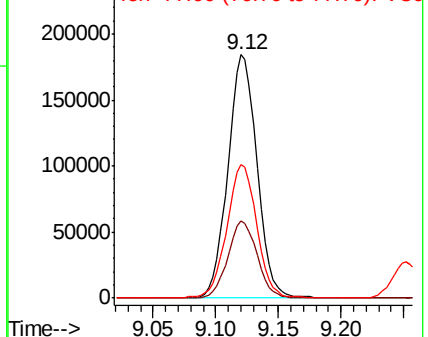
112 100

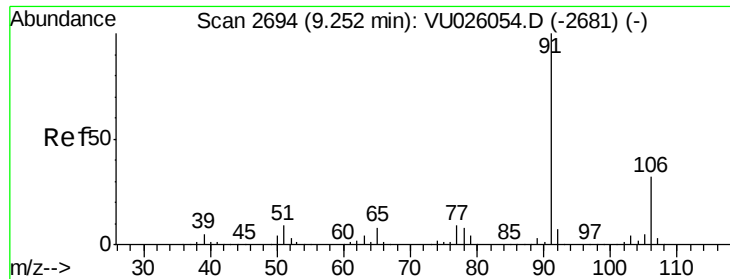
114 31.5 22.7 42.3

77 55.0 45.2 67.8



Abundance Ion 112.00 (111.70 to 112.70): V
Ion 114.00 (113.70 to 114.70): V
Ion 77.00 (76.70 to 77.70): V





#52

Ethylbenzene

Concen: 50.869 ug/L

RT: 9.25 min Scan# 2694

Delta R.T. -0.00 min

Lab File: VU026070.D

Acq: 13 Aug 2018 15:57

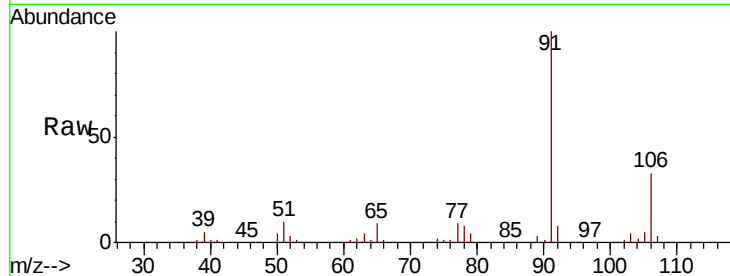
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 91 Resp: 483672

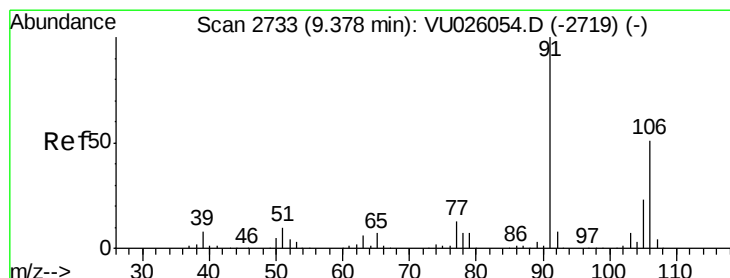
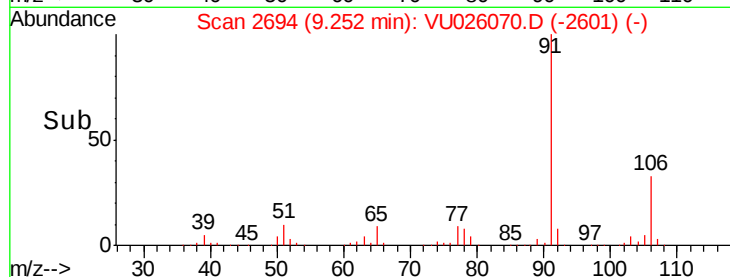
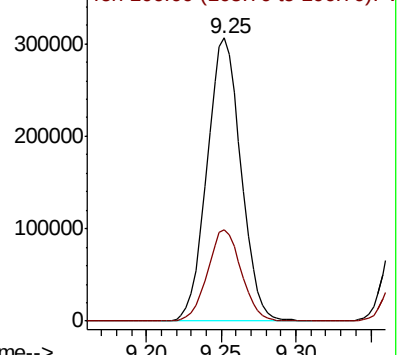
Ion Ratio Lower Upper

91 100

106 32.5 22.0 41.0



Abundance Ion 91.00 (90.70 to 91.70): VU026070.D (-2601) (-)



#53

m,p-Xylene

Concen: 52.133 ug/L

RT: 9.38 min Scan# 2733

Delta R.T. -0.00 min

Lab File: VU026070.D

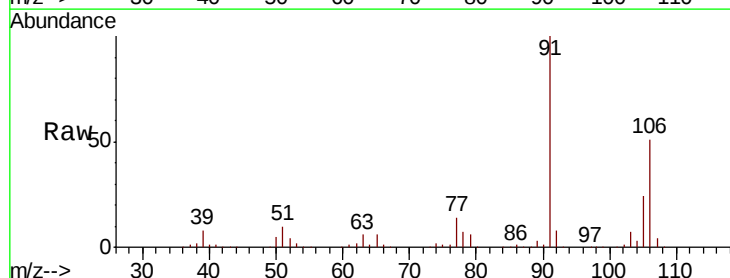
Acq: 13 Aug 2018 15:57

Tgt Ion: 106 Resp: 189410

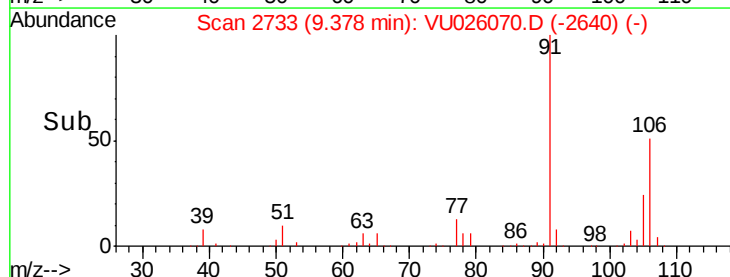
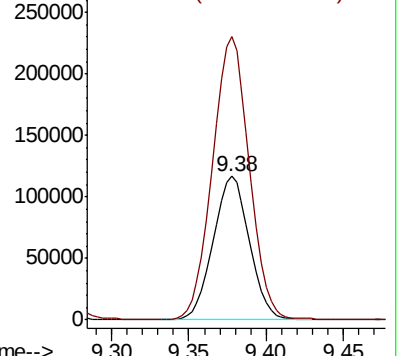
Ion Ratio Lower Upper

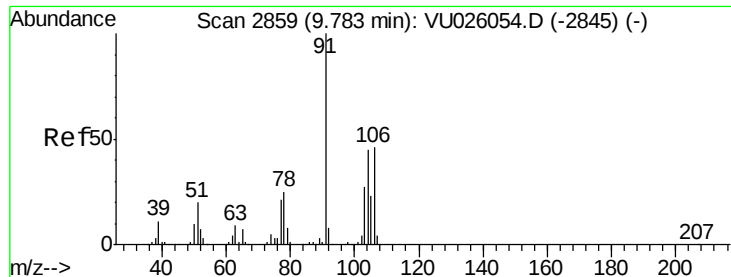
106 100

91 196.8 141.3 262.5



Abundance Ion 106.00 (105.70 to 106.70): VU026070.D (-2640) (-)





#54

o-xylene

Concen: 52.816 ug/L

RT: 9.78 min Scan# 2859

Delta R.T. -0.00 min

Lab File: VU026070.D

Acq: 13 Aug 2018 15:57

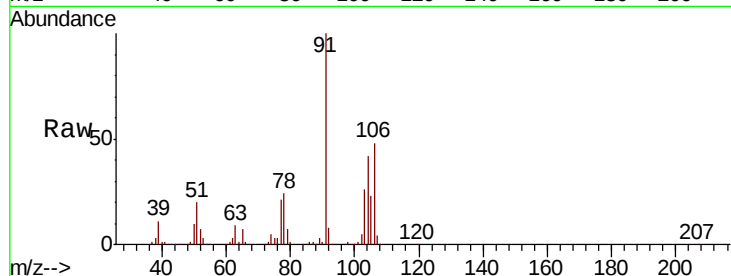
Instrument :
MSVOA_U
ClientSampled :

Tot Ion:106 Resp: 190450

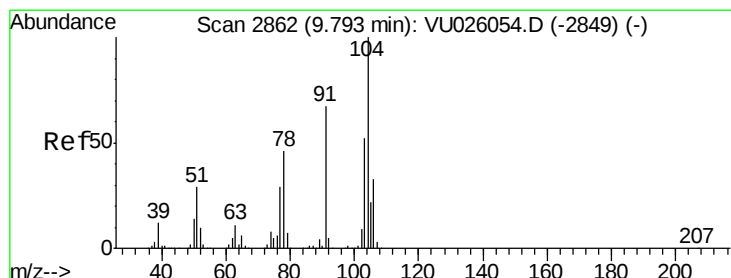
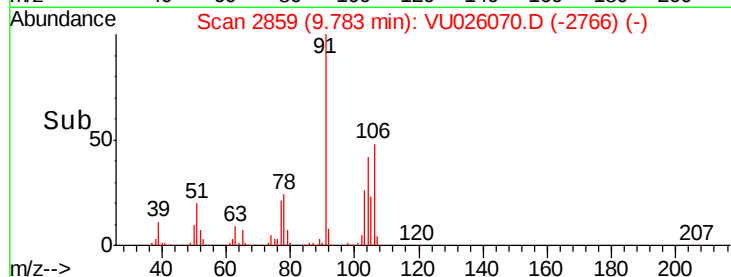
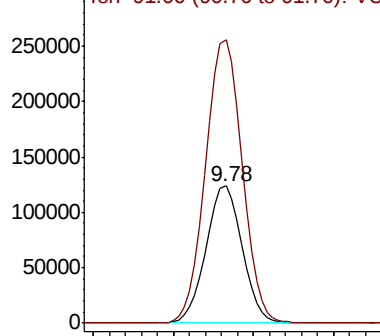
Ion Ratio Lower Upper

106 100

91 206.7 151.2 280.8



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



#55

Styrene

Concen: 53.387 ug/L

RT: 9.80 min Scan# 2863

Delta R.T. 0.00 min

Lab File: VU026070.D

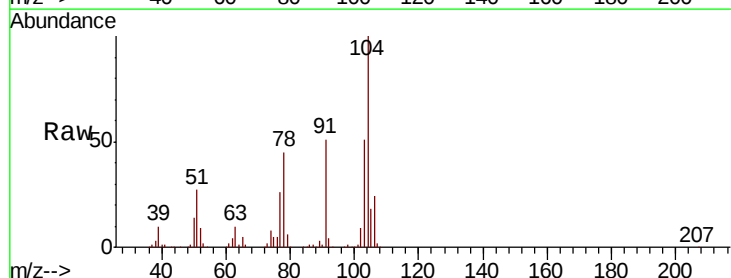
Acq: 13 Aug 2018 15:57

Tgt Ion:104 Resp: 320502

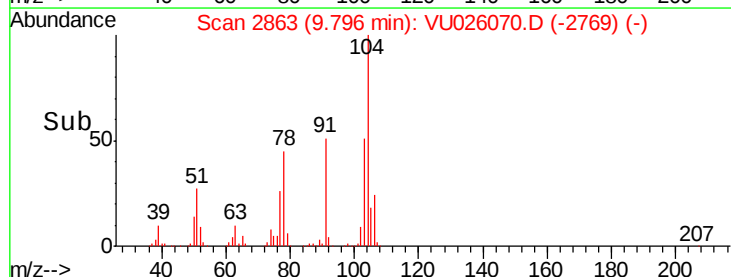
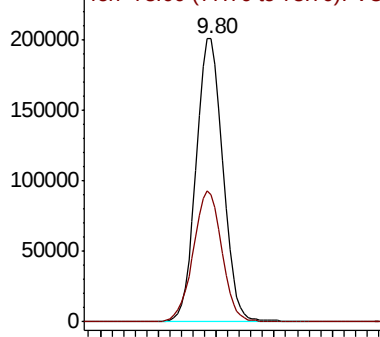
Ion Ratio Lower Upper

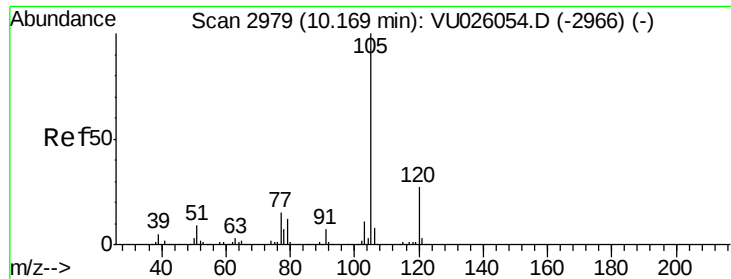
104 100

78 45.1 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: 52.487 ug/L

RT: 10.17 min Scan# 2979

Delta R.T. -0.00 min

Lab File: VU026070.D

Acq: 13 Aug 2018 15:57

Instrument :

MSVOA_U

ClientSampleId :

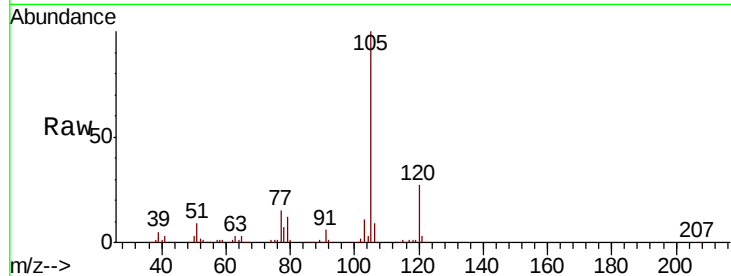
Tot Ion:105 Resp: 487576

Ion Ratio Lower Upper

105 100

120 27.0 21.7 32.5

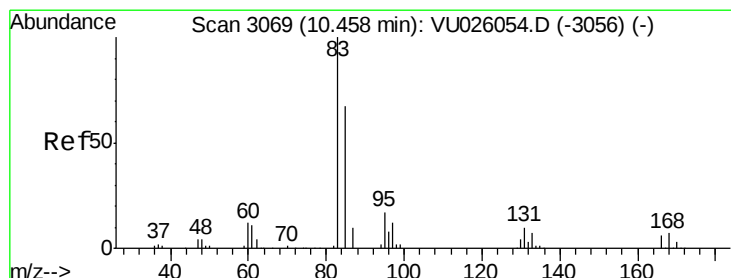
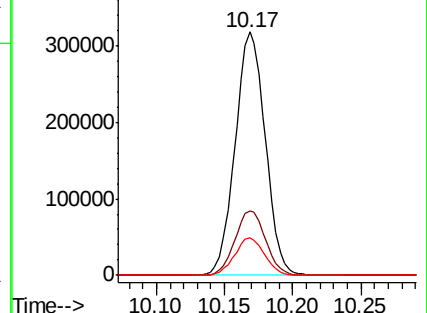
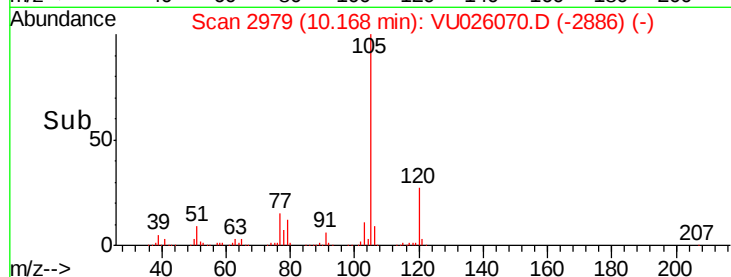
77 15.6 12.6 18.8



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: 48.982 ug/L

RT: 10.46 min Scan# 3069

Delta R.T. -0.00 min

Lab File: VU026070.D

Acq: 13 Aug 2018 15:57

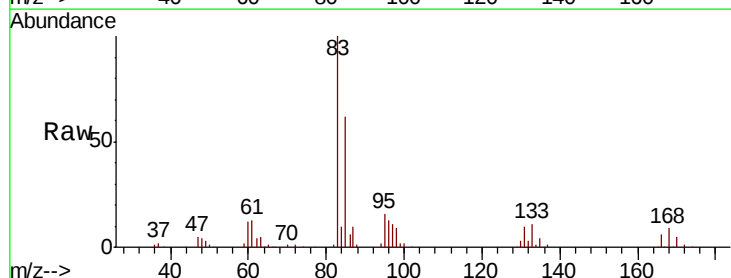
Tgt Ion: 83 Resp: 177781

Ion Ratio Lower Upper

83 100

85 62.3 45.0 83.6

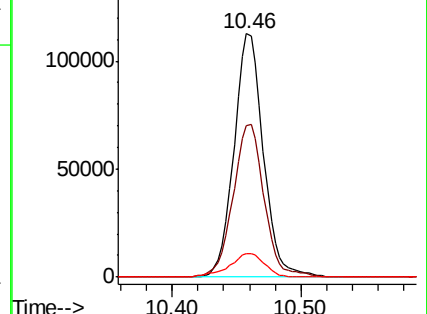
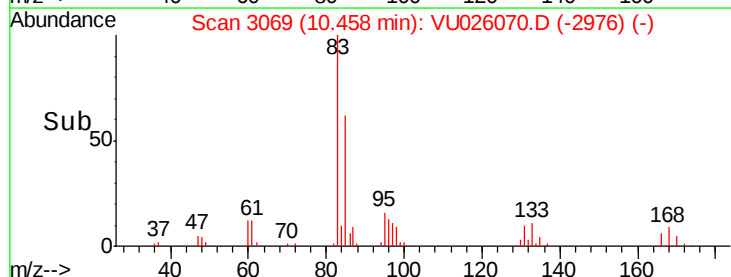
131 9.8 8.6 12.8

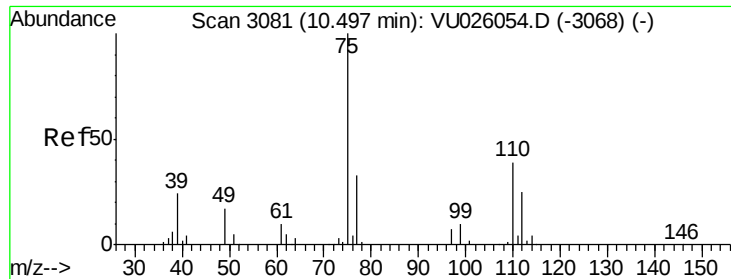


Abundance Ion 83.00 (82.70 to 83.70): V

Ion 85.00 (84.70 to 85.70): V

Ion 131.00 (130.70 to 131.70): V

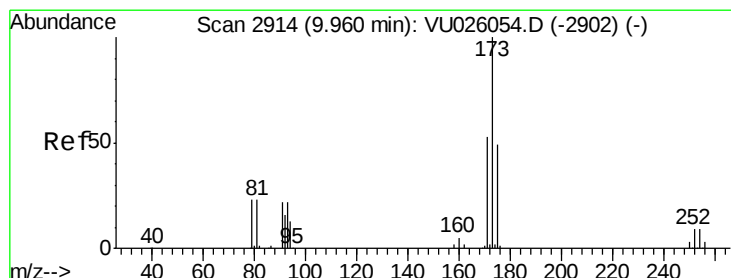
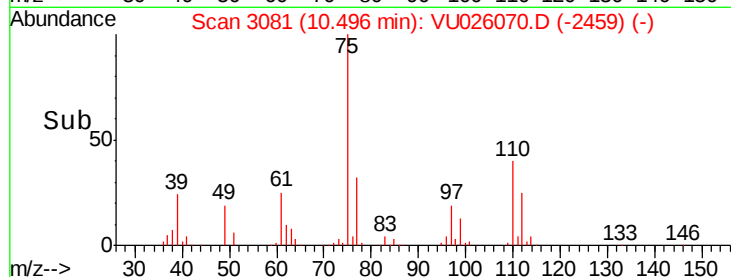
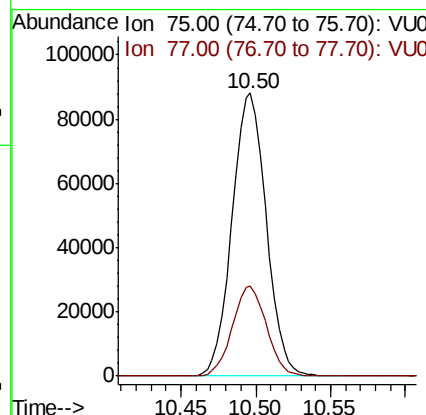
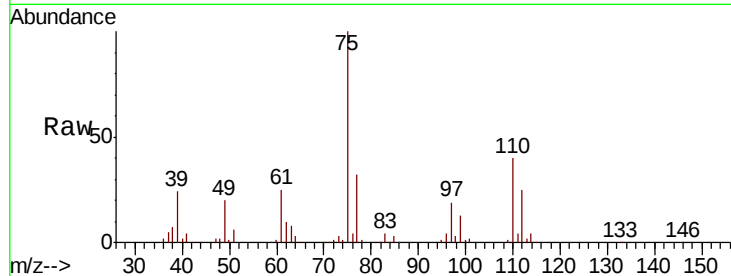




#59
 1,2,3-Trichloropropane
 Concen: 48.583 ug/L
 RT: 10.50 min Scan# 3081
 Delta R.T. -0.00 min
 Lab File: VU026070.D
 Acq: 13 Aug 2018 15:57

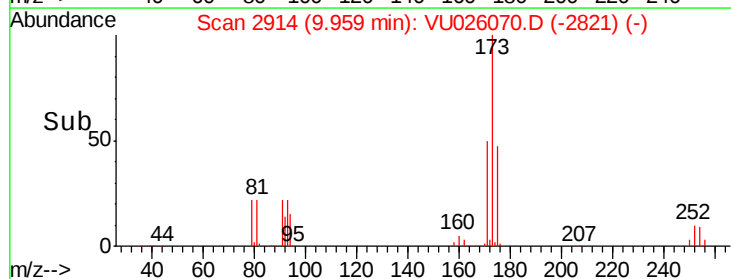
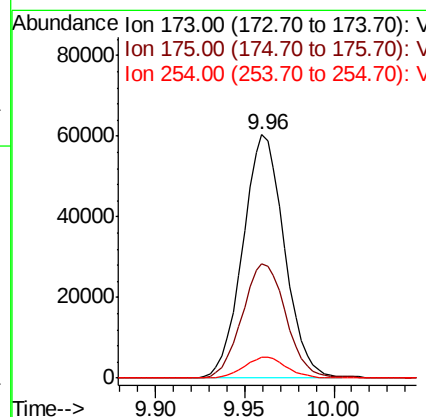
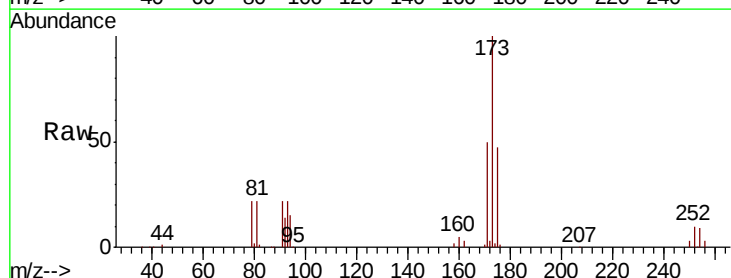
Instrument :
 MSVOA_U
 ClientSampleId :

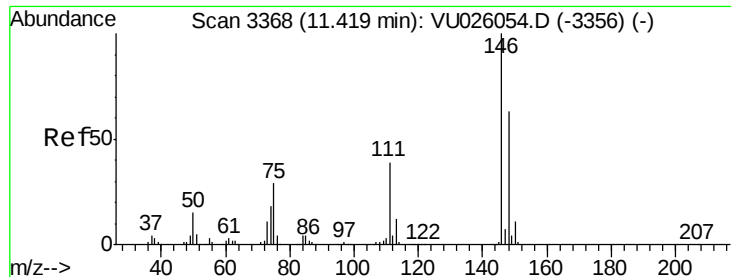
Tot Ion: 75 Resp: 140353
 Ion Ratio Lower Upper
 75 100
 77 31.8 25.3 37.9



#61
 Bromoform
 Concen: 49.450 ug/L
 RT: 9.96 min Scan# 2914
 Delta R.T. -0.00 min
 Lab File: VU026070.D
 Acq: 13 Aug 2018 15:57

Tgt Ion:173 Resp: 98131
 Ion Ratio Lower Upper
 173 100
 175 49.1 38.9 58.3
 254 8.8 7.4 11.0





#62

1,3-Dichlorobenzene

Concen: 49.444 ug/L

RT: 11.42 min Scan# 3368

Delta R.T. -0.00 min

Lab File: VU026070.D

Acq: 13 Aug 2018 15:57

Instrument :

MSVOA_U

ClientSampleId :

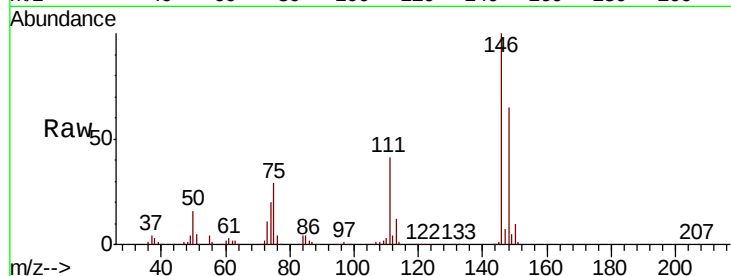
Tot Ion:146 Resp: 225604

Ion Ratio Lower Upper

146 100

111 40.5 27.9 51.9

148 65.4 46.0 85.4

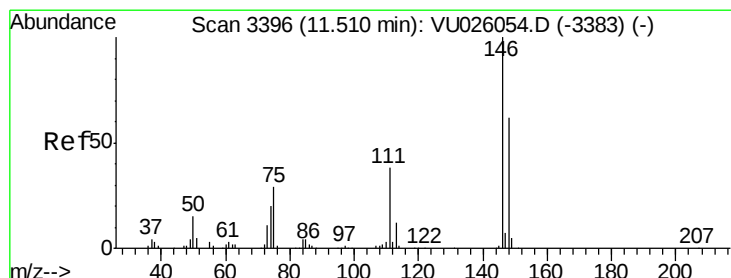
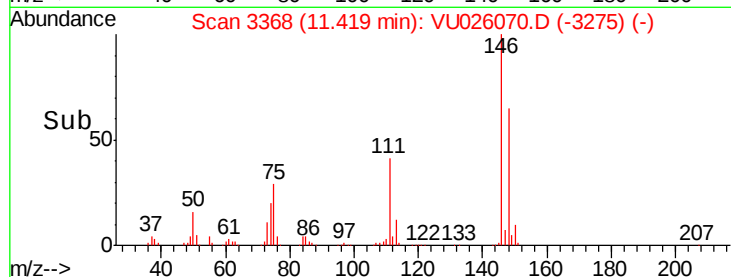
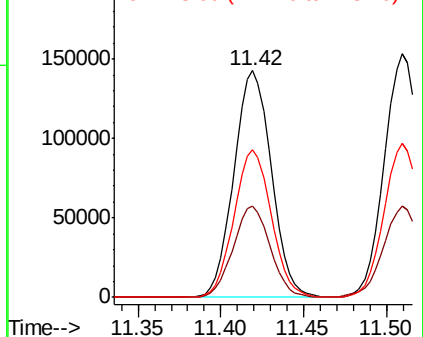


Abundance

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: 49.019 ug/L

RT: 11.51 min Scan# 3396

Delta R.T. -0.00 min

Lab File: VU026070.D

Acq: 13 Aug 2018 15:57

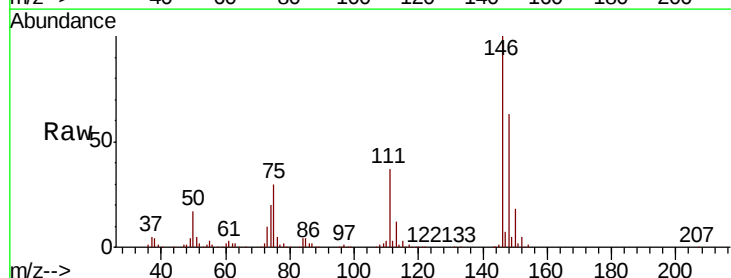
Tgt Ion:146 Resp: 234470

Ion Ratio Lower Upper

146 100

111 37.3 26.4 49.0

148 63.0 43.8 81.4

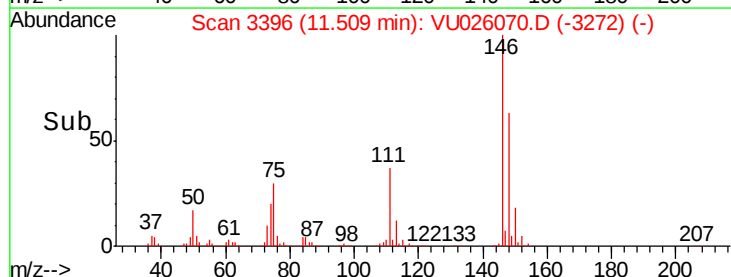
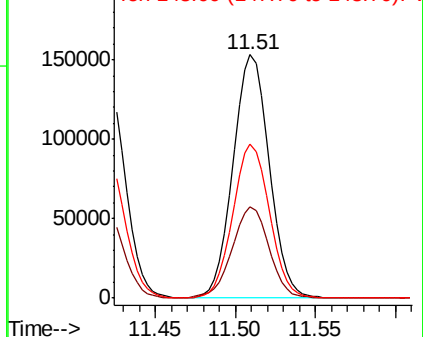


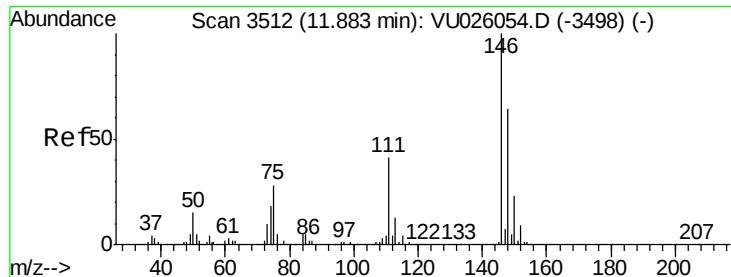
Abundance

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

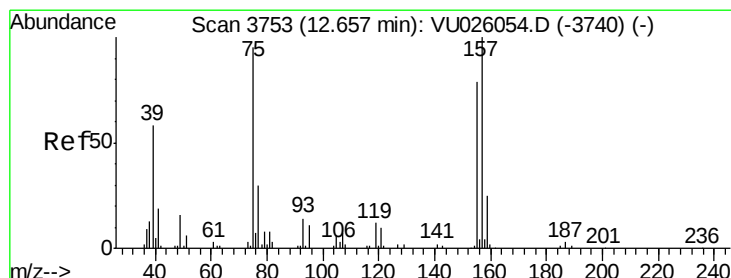
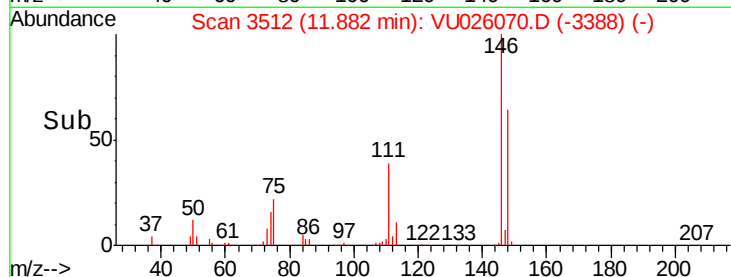
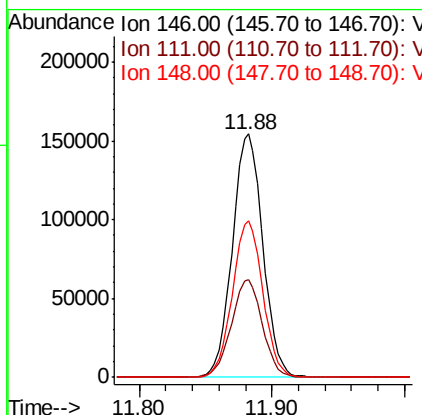
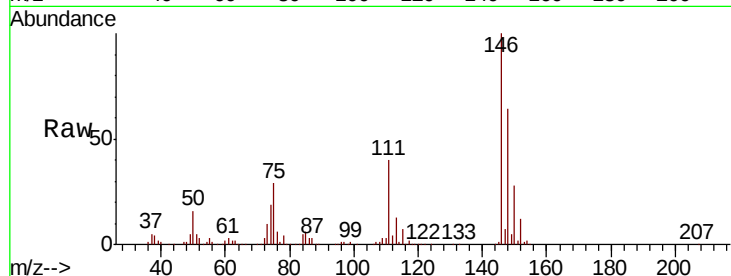




#65
 1,2-Dichlorobenzene
 Concen: 50.655 ug/L
 RT: 11.88 min Scan# 3512
 Delta R.T. -0.00 min
 Lab File: VU026070.D
 Acq: 13 Aug 2018 15:57

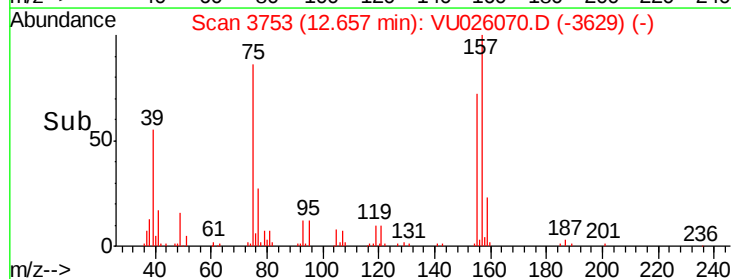
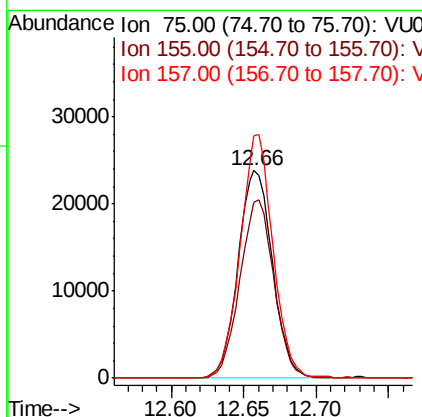
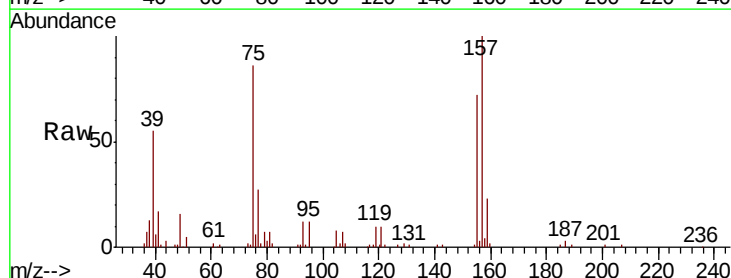
Instrument :
 MSVOA_U
 ClientSampleId :

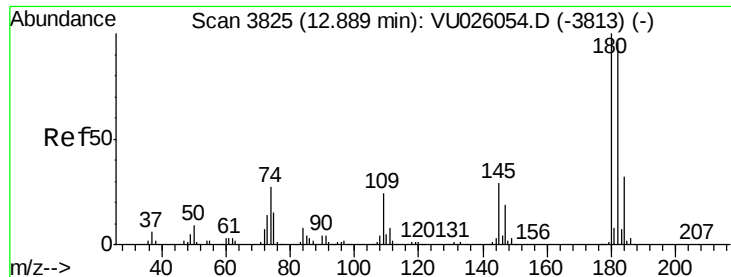
Tot Ion	Ratio	Lower	Upper
146	100		
111	40.3	32.4	48.6
148	64.2	50.1	75.1



#66
 1,2-Dibromo-3-chloropropane
 Concen: 46.113 ug/L
 RT: 12.66 min Scan# 3753
 Delta R.T. -0.00 min
 Lab File: VU026070.D
 Acq: 13 Aug 2018 15:57

Tgt Ion	Ratio	Lower	Upper
75	100		
155	84.4	71.8	107.8
157	116.8	93.0	139.6

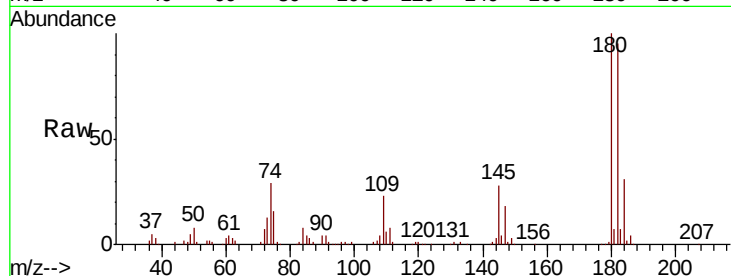




#67
 1,3,5-Trichlorobenzene
 Concen: 50.830 ug/L
 RT: 12.89 min Scan# 3825
 Delta R.T. -0.00 min
 Lab File: VU026070.D
 Acq: 13 Aug 2018 15:57

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.3	76.5	114.7
184	30.5	24.3	36.5
145	28.4	23.5	35.3



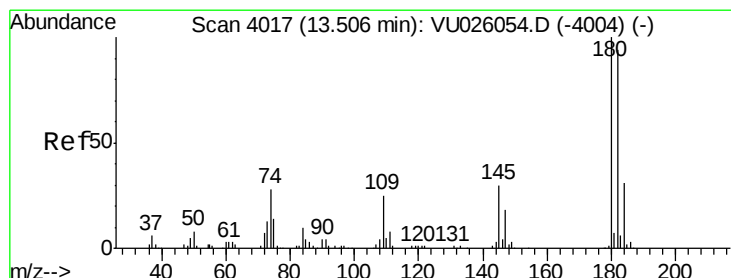
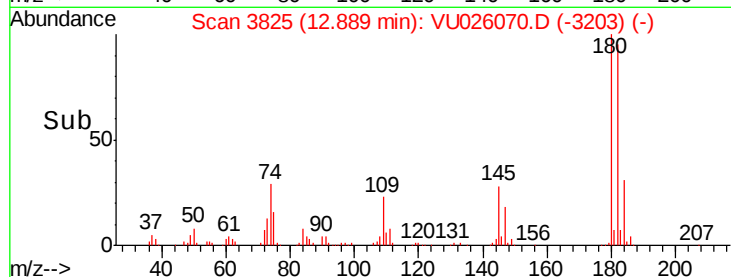
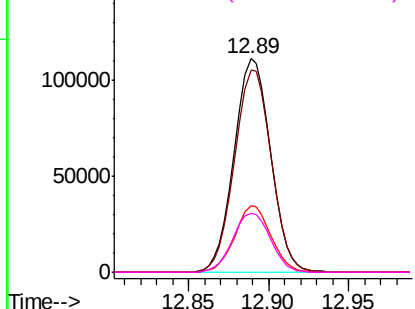
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

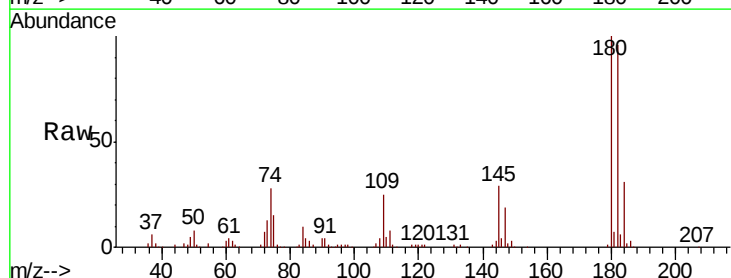
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 50.925 ug/L
 RT: 13.51 min Scan# 4017
 Delta R.T. -0.00 min
 Lab File: VU026070.D
 Acq: 13 Aug 2018 15:57

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.7	76.5	114.7
145	29.3	24.2	36.4

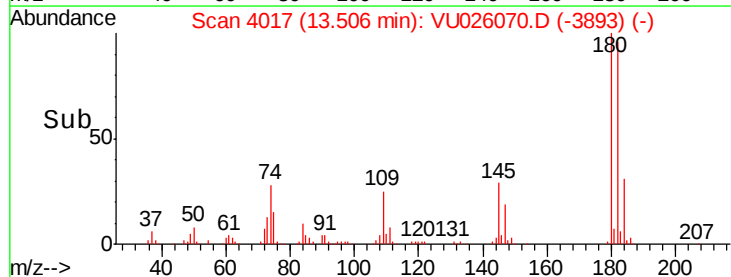
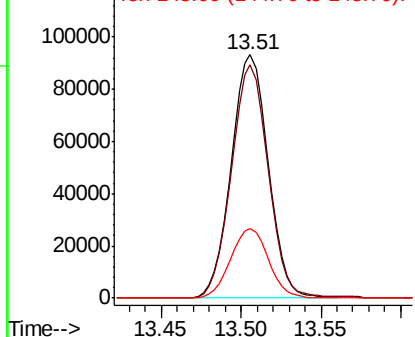


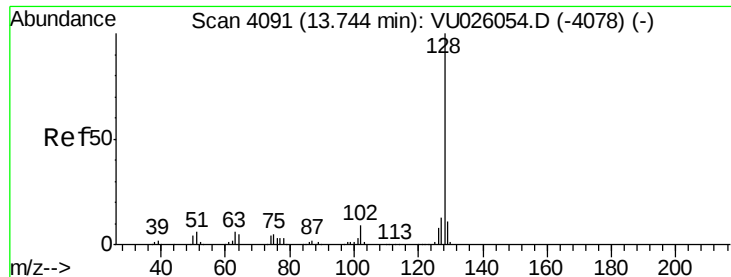
Abundance

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

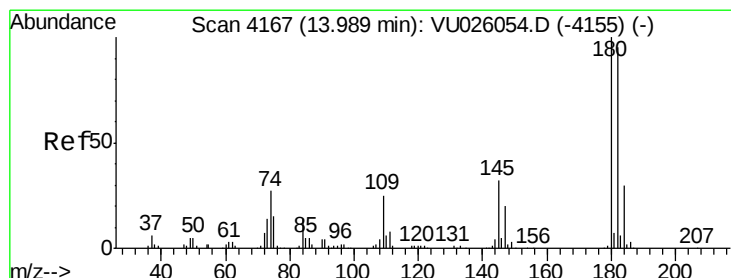
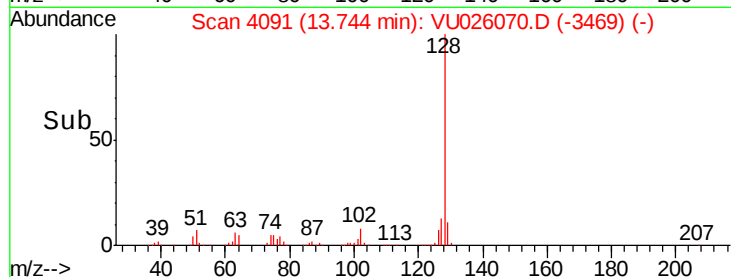
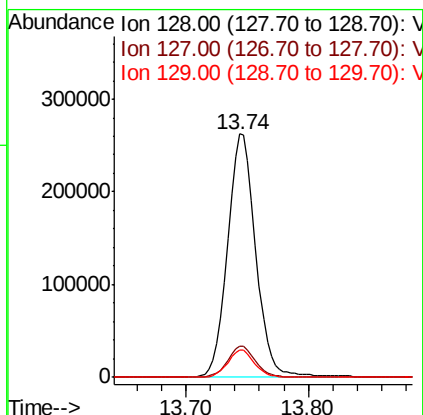
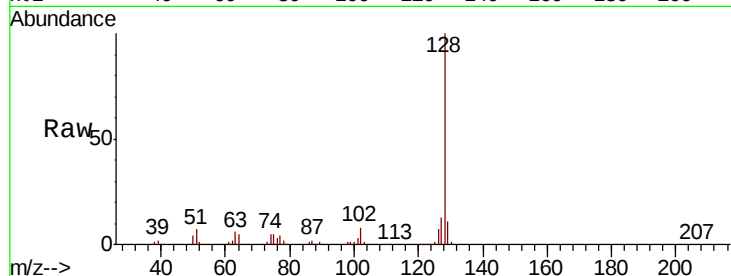




#69
Naphthalene
Concen: 45.690 ug/L
RT: 13.74 min Scan# 4091
Delta R.T. -0.00 min
Lab File: VU026070.D
Acq: 13 Aug 2018 15:57

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion:128 Resp: 425074
Ion Ratio Lower Upper
128 100
127 12.7 10.3 15.5
129 10.8 8.6 13.0



#70
1,2,3-Trichlorobenzene
Concen: 50.299 ug/L
RT: 13.99 min Scan# 4167
Delta R.T. -0.00 min
Lab File: VU026070.D
Acq: 13 Aug 2018 15:57

Tgt Ion:180 Resp: 155903
Ion Ratio Lower Upper
180 100
182 95.2 76.5 114.7
145 31.6 24.7 37.1

