

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU083018\
 Data File : VU026438.D
 Acq On : 30 Aug 2018 10:33
 Operator : MD/SY
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Aug 31 04:19:37 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM082918WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Aug 30 02:20:47 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.89	114	164036	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	152597	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	72941	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	43084	42.39	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	84.78%
7) Chloroethane-d5	1.68	69	47389	51.63	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	103.26%
11) 1,1-Dichloroethene-d2	2.27	63	104939	45.85	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	91.70%
21) 2-Butanone-d5	4.19	46	73907	93.69	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	93.69%
24) Chloroform-d	4.65	84	93898	48.92	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	97.84%
26) 1,2-Dichloroethane-d4	5.31	65	59988	46.94	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	93.88%
32) Benzene-d6	5.34	84	176473	50.17	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	100.34%
36) 1,2-Dichloropropane-d6	6.33	67	60407	50.00	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	100.00%
41) Toluene-d8	7.57	98	168547	49.64	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	99.28%
43) trans-1,3-Dichloropropene-	7.85	79	26533	48.09	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	96.18%
47) 2-Hexanone-d5	8.32	63	57923	104.53	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	104.53%
57) 1,1,2,2-Tetrachloroethane-	10.44	84	86799	48.76	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	97.52%
64) 1,2-Dichlorobenzene-d4	11.86	152	67384	50.92	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	101.84%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.20	85	65310	51.061	ug/L 98
3) Chloromethane	1.33	50	80554	51.006	ug/L 99
5) Vinyl chloride	1.40	62	82826	48.376	ug/L 100
6) Bromomethane	1.63	94	56398	55.563	ug/L 100
8) Chloroethane	1.69	64	61158	59.494	ug/L 99
9) Trichlorofluoromethane	1.88	101	112629	51.731	ug/L 98
10) 1,1,2-Trichloro-1,2,2-trif	2.28	101	65627	54.022	ug/L 99
12) 1,1-Dichloroethene	2.28	96	58156	49.669	ug/L 96
13) Acetone	2.34	43	95279	139.492	ug/L 100
14) Carbon disulfide	2.47	76	161212	48.653	ug/L 100
15) Methyl Acetate	2.62	43	65757	49.030	ug/L 98
16) Methylene chloride	2.70	84	60392	50.167	ug/L 99
17) trans-1,2-Dichloroethene	2.98	96	52655	49.718	ug/L 97
18) Methyl tert-butyl Ether	3.00	73	167614	52.135	ug/L 100
19) 1,1-Dichloroethane	3.45	63	105526	50.709	ug/L 99
20) cis-1,2-Dichloroethene	4.23	96	61188	51.574	ug/L 99
22) 2-Butanone	4.27	43	107938	117.566	ug/L 100

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU083018\
 Data File : VU026438.D
 Acq On : 30 Aug 2018 10:33
 Operator : MD/SY
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Aug 31 04:19:37 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM082918WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Aug 30 02:20:47 2018
 Response via : Initial Calibration

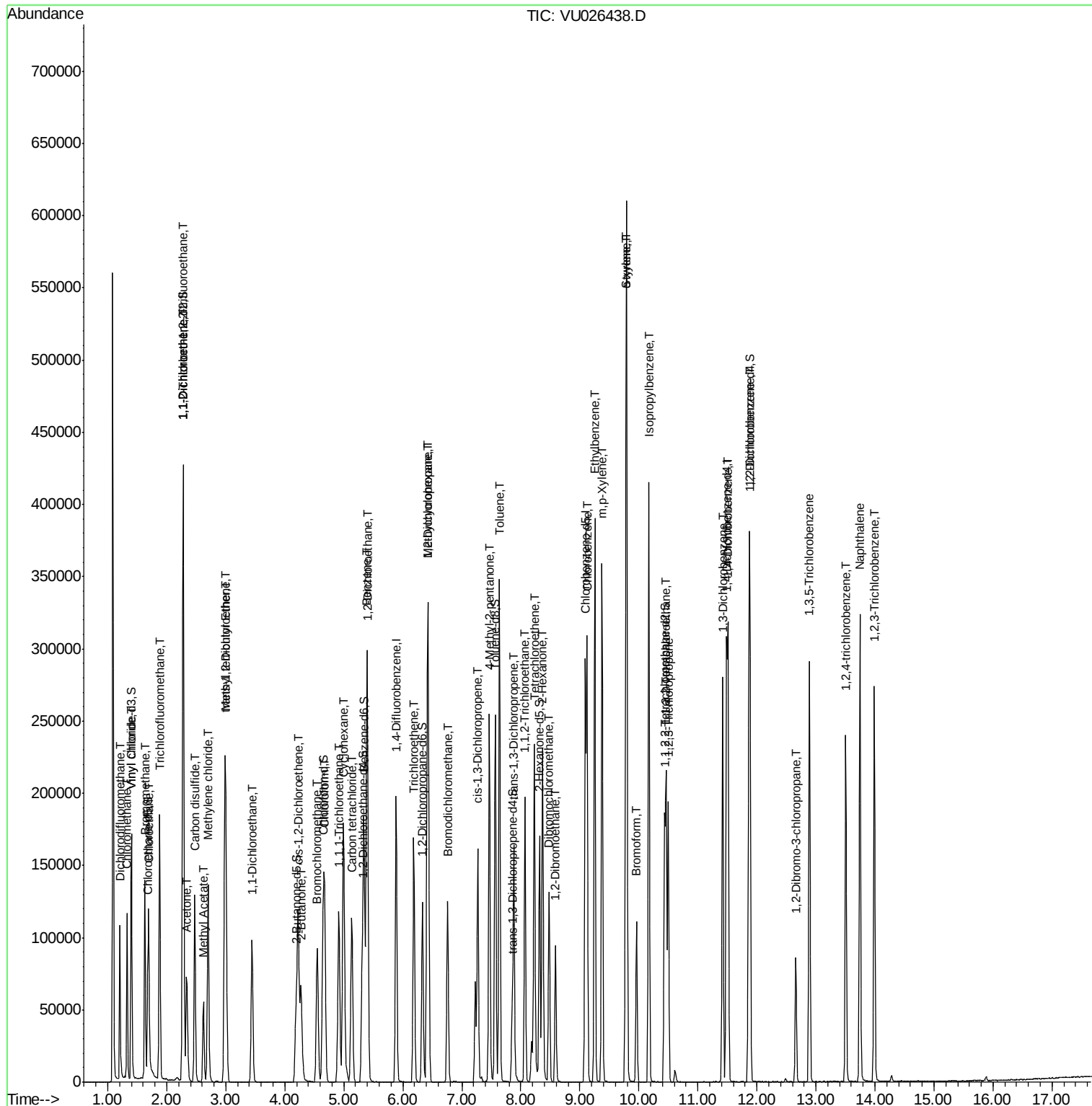
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.55	128	31251	51.127	ug/L	95
25) Chloroform	4.67	83	108812	51.200	ug/L	98
27) 1,2-Dichloroethane	5.41	62	87892	51.279	ug/L	99
29) Cyclohexane	5.00	56	93534	56.256	ug/L	100
30) 1,1,1-Trichloroethane	4.91	97	90316	53.784	ug/L	99
31) Carbon tetrachloride	5.14	117	82402	54.006	ug/L	100
33) Benzene	5.39	78	235534	53.839	ug/L	100
34) Trichloroethene	6.18	95	58030	52.883	ug/L	98
35) Methylcyclohexane	6.42	83	98803	57.663	ug/L	99
37) 1,2-Dichloropropane	6.43	63	66234	54.689	ug/L	99
38) Bromodichloromethane	6.76	83	80921	52.395	ug/L	98
39) cis-1,3-Dichloropropene	7.27	75	93790	54.349	ug/L	99
40) 4-Methyl-2-pentanone	7.46	43	171666	105.102	ug/L	99
42) Toluene	7.64	91	248668	54.474	ug/L	99
44) trans-1,3-Dichloropropene	7.88	75	87229	53.033	ug/L	100
45) 1,1,2-Trichloroethane	8.07	97	59254	53.406	ug/L	99
46) Tetrachloroethene	8.23	164	50763	56.582	ug/L	98
48) 2-Hexanone	8.37	43	149751	116.413	ug/L	99
49) Dibromochloromethane	8.48	129	66238	52.985	ug/L	98
50) 1,2-Dibromoethane	8.59	107	62370	52.791	ug/L	96
51) Chlorobenzene	9.12	112	155513	50.944	ug/L	98
52) Ethylbenzene	9.25	91	262014	52.774	ug/L	100
53) m,p-Xylene	9.37	106	100964	54.463	ug/L	98
54) o-xylene	9.78	106	98164	54.300	ug/L	98
55) Styrene	9.79	104	168600	53.387	ug/L	97
56) Isopropylbenzene	10.17	105	254184	53.713	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	10.46	83	101821	52.100	ug/L	100
59) 1,2,3-Trichloropropane	10.50	75	76438	50.581	ug/L	97
61) Bromoform	9.96	173	49792	55.309	ug/L	98
62) 1,3-Dichlorobenzene	11.42	146	112008	52.477	ug/L	100
63) 1,4-Dichlorobenzene	11.51	146	116744	51.712	ug/L	99
65) 1,2-Dichlorobenzene	11.88	146	123163	54.708	ug/L	98
66) 1,2-Dibromo-3-chloropropan	12.66	75	20032	52.917	ug/L	99
67) 1,3,5-Trichlorobenzene	12.89	180	90490	52.534	ug/L	99
68) 1,2,4-trichlorobenzene	13.50	180	74989	49.844	ug/L	99
69) Naphthalene	13.74	128	248505	52.902	ug/L	99
70) 1,2,3-Trichlorobenzene	13.99	180	85629	51.834	ug/L	99

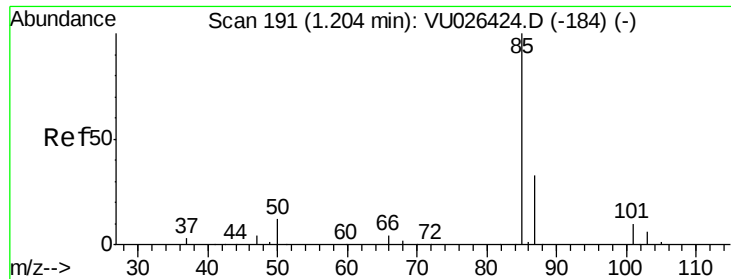
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA U\DATA\VU083018\
Data File : VU026438.D
Acq On : 30 Aug 2018 10:33
Operator : MD/SY
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :

Quant Time: Aug 31 04:19:37 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM082918WMA.M
Quant Title : VOC Analysis
QLast Update : Thu Aug 30 02:20:47 2018
Response via : Initial Calibration





#2

Dichlorodifluoromethane

Concen: 51.061 ug/L

RT: 1.20 min Scan# 191

Delta R.T. -0.00 min

Lab File: VU026438.D

Acq: 30 Aug 2018 10:33

Instrument :

MSVOA_U

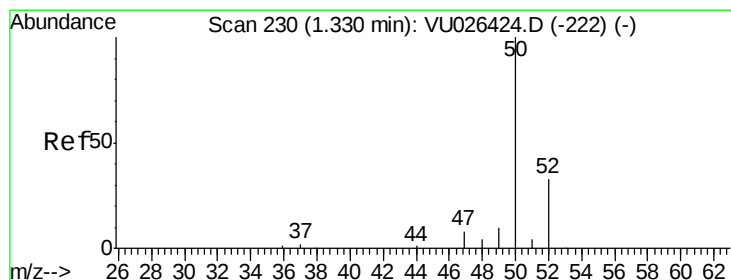
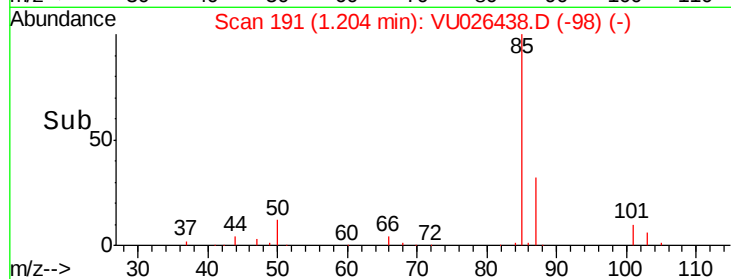
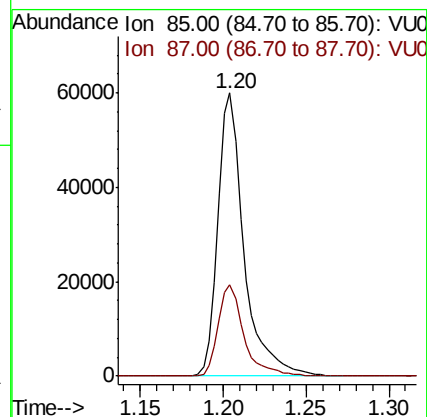
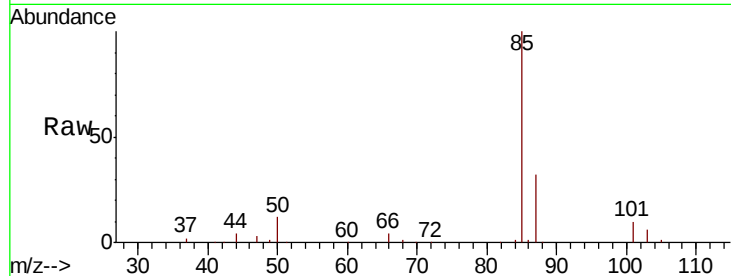
ClientSampleId :

Tot Ion: 85 Resp: 65310

Ion Ratio Lower Upper

85 100

87 32.0 26.6 39.8



#3

Chloromethane

Concen: 51.006 ug/L

RT: 1.33 min Scan# 229

Delta R.T. -0.00 min

Lab File: VU026438.D

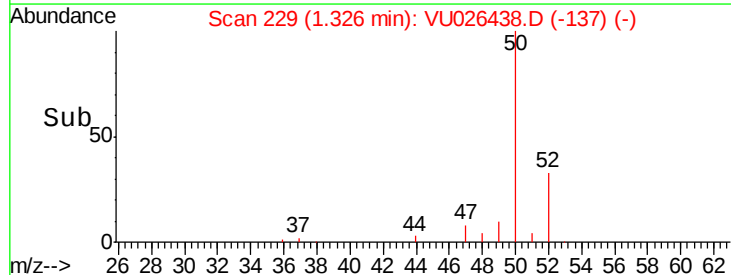
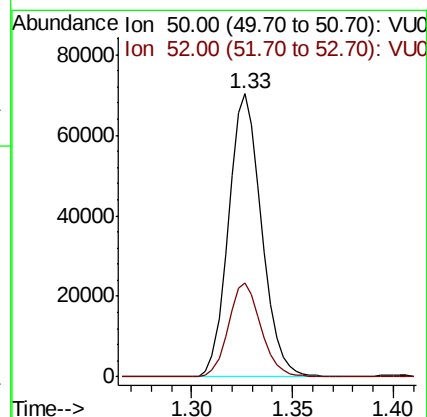
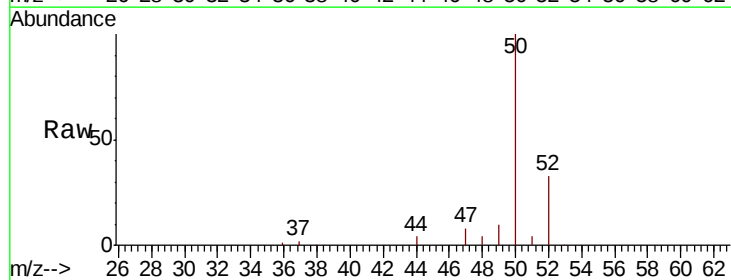
Acq: 30 Aug 2018 10:33

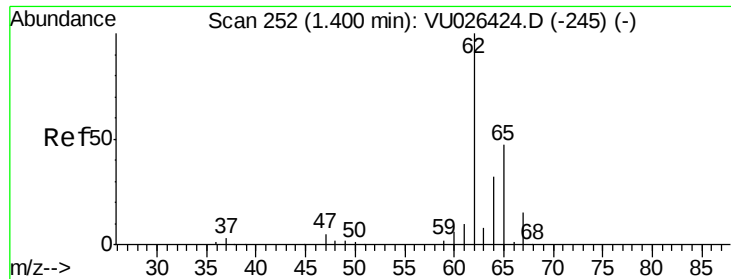
Tgt Ion: 50 Resp: 80554

Ion Ratio Lower Upper

50 100

52 33.2 23.0 42.6





#5

Vinyl chloride

Concen: 48.376 ug/L

RT: 1.40 min Scan# 252

Delta R.T. -0.00 min

Lab File: VU026438.D

Acq: 30 Aug 2018 10:33

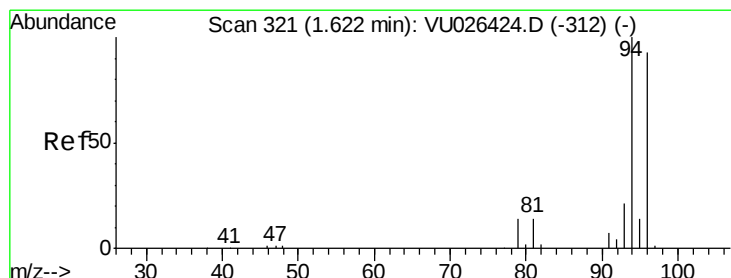
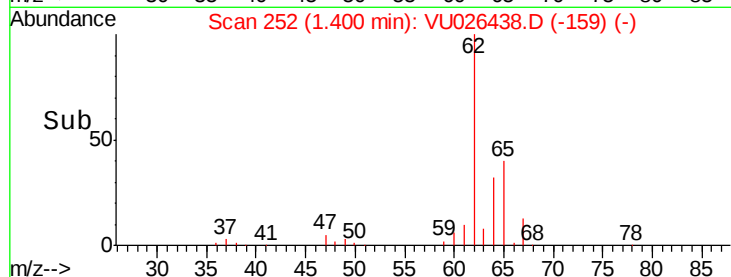
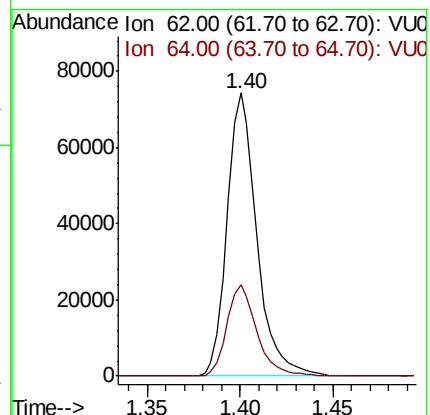
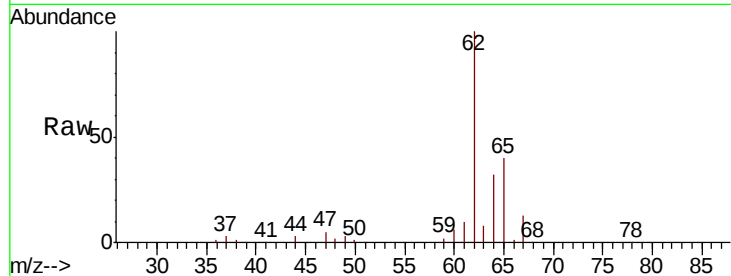
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 62 Resp: 82826

Ion Ratio Lower Upper

62 100

64 32.2 22.4 41.6



#6

Bromomethane

Concen: 55.563 ug/L

RT: 1.63 min Scan# 323

Delta R.T. 0.01 min

Lab File: VU026438.D

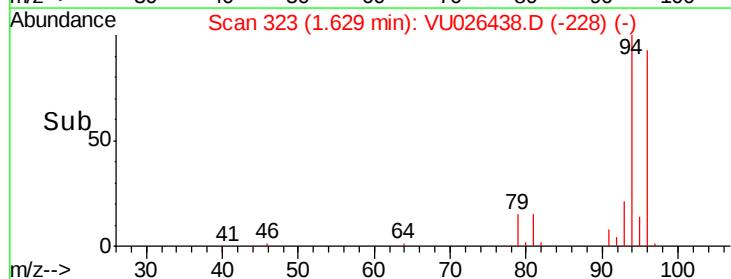
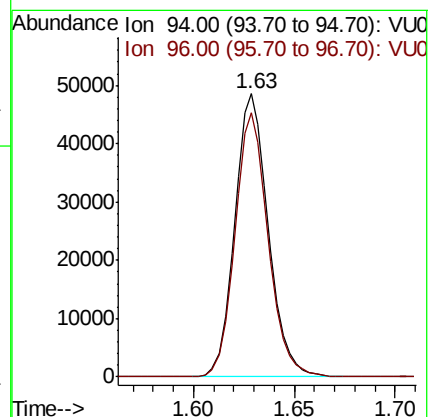
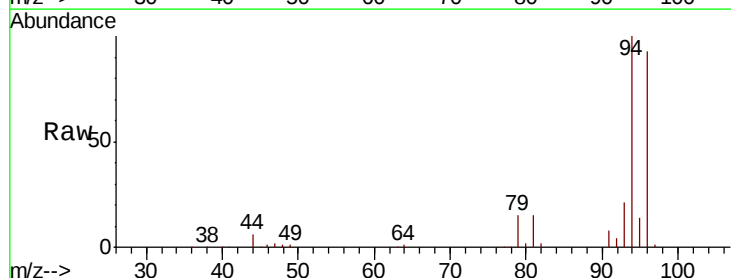
Acq: 30 Aug 2018 10:33

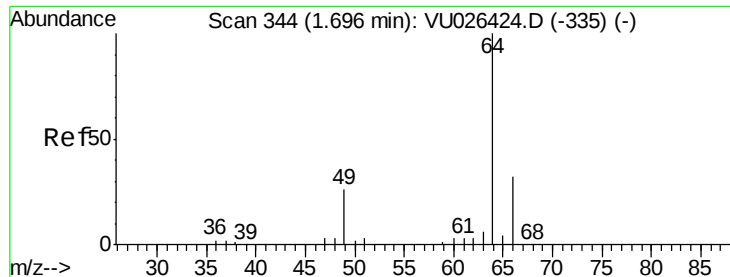
Tgt Ion: 94 Resp: 56398

Ion Ratio Lower Upper

94 100

96 93.3 65.3 121.3

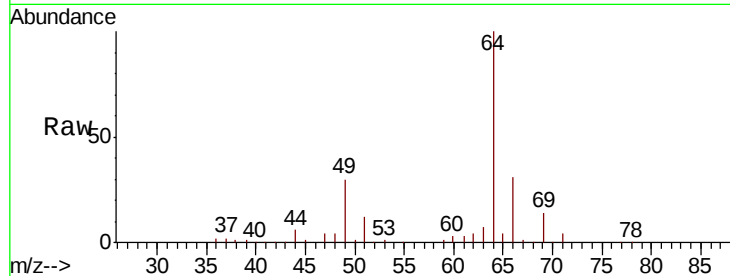




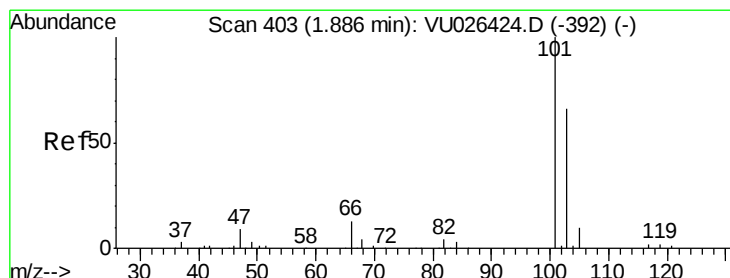
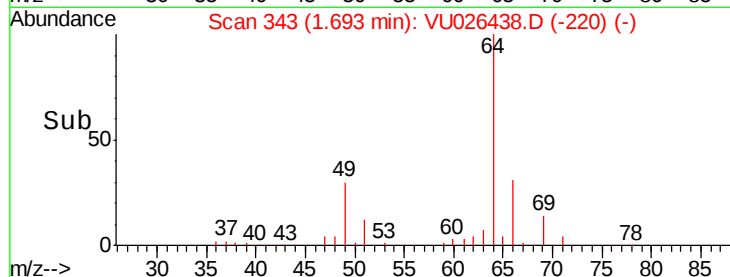
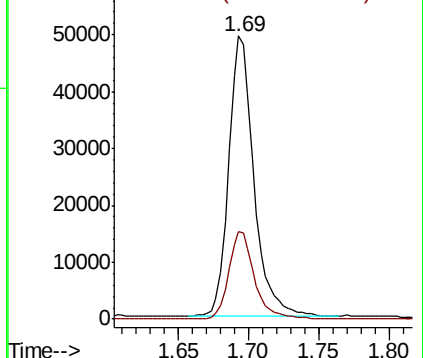
#8
Chloroethane
Concen: 59.494 ug/L
RT: 1.69 min Scan# 343
Delta R.T. -0.00 min
Lab File: VU026438.D
Acq: 30 Aug 2018 10:33

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 64 Resp: 61158
Ion Ratio Lower Upper
64 100
66 31.0 22.2 41.2

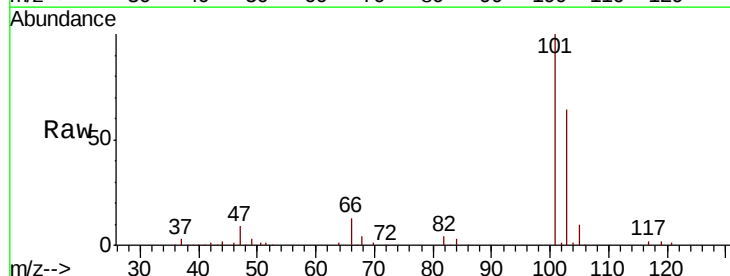


Abundance Ion 64.00 (63.70 to 64.70): VU0
Ion 66.00 (65.70 to 66.70): VU0

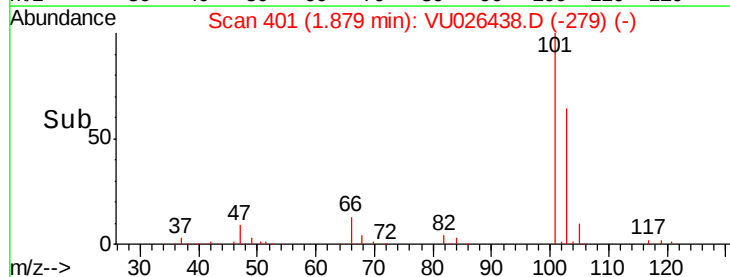
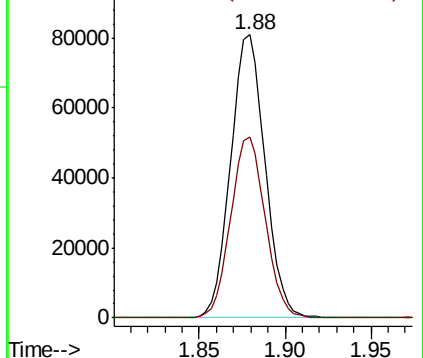


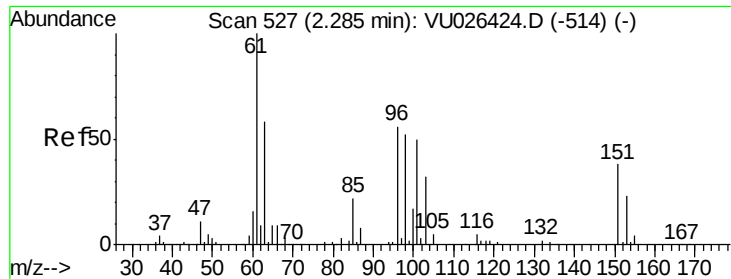
#9
Trichlorofluoromethane
Concen: 51.731 ug/L
RT: 1.88 min Scan# 401
Delta R.T. -0.01 min
Lab File: VU026438.D
Acq: 30 Aug 2018 10:33

Tgt Ion:101 Resp: 112629
Ion Ratio Lower Upper
101 100
103 64.1 52.7 79.1



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





#10

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

Concen: 54.022 ug/L

RT: 2.28 min Scan# 526

Delta R.T. -0.00 min

Lab File: VU026438.D

Acq: 30 Aug 2018 10:33

Instrument :

MSVOA_U

ClientSampled :

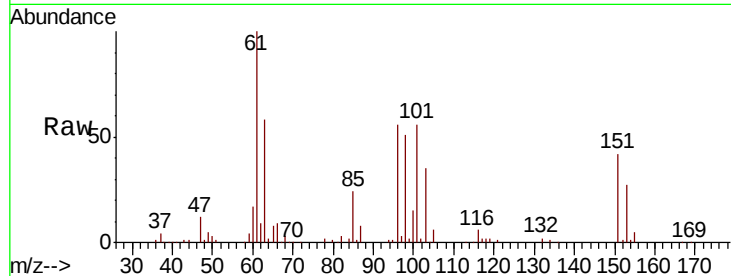
Tot Ion:101 Resp: 65627

Ion Ratio Lower Upper

101 100

85 42.7 35.3 52.9

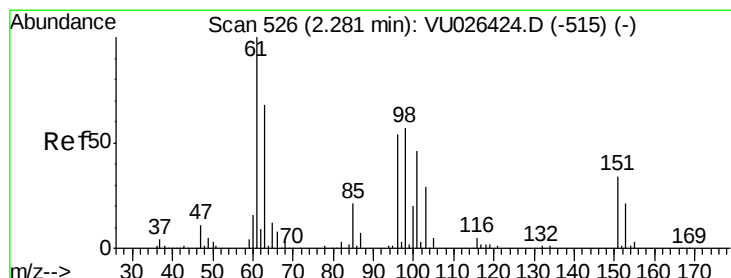
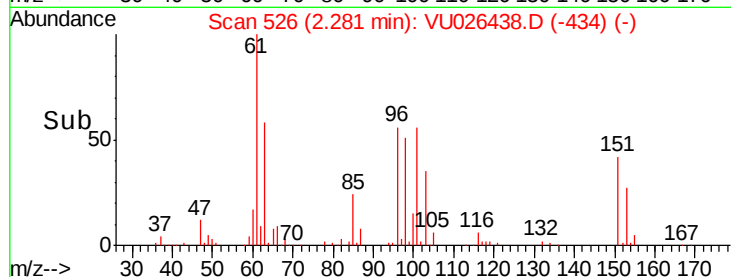
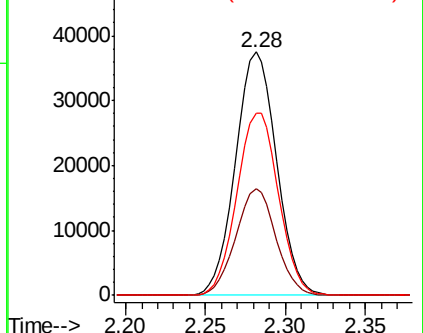
151 76.0 60.7 91.1



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: 49.669 ug/L

RT: 2.28 min Scan# 525

Delta R.T. -0.00 min

Lab File: VU026438.D

Acq: 30 Aug 2018 10:33

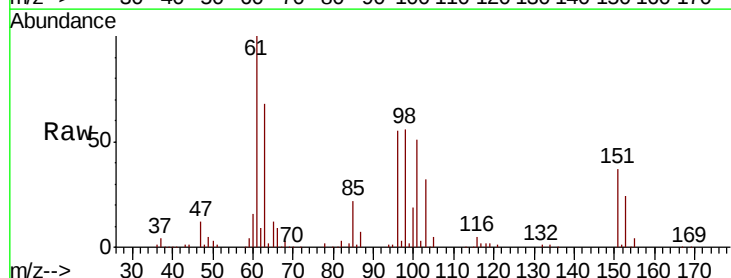
Tgt Ion: 96 Resp: 58156

Ion Ratio Lower Upper

96 100

61 182.0 129.3 240.1

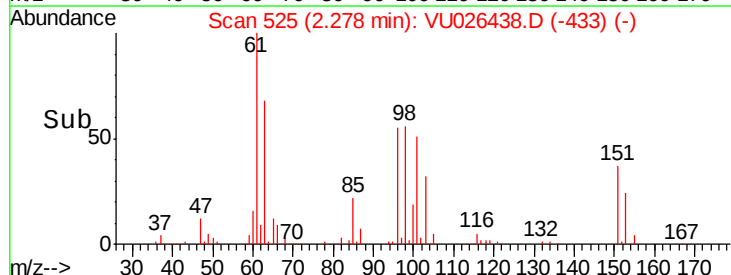
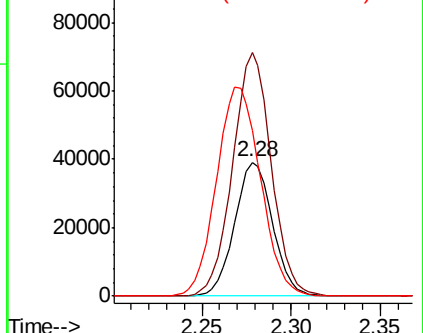
63 124.0 91.7 170.3

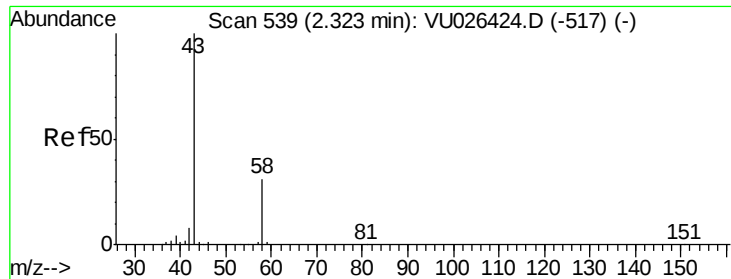


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 139.492 ug/L

RT: 2.34 min Scan# 543

Delta R.T. 0.01 min

Lab File: VU026438.D

Acq: 30 Aug 2018 10:33

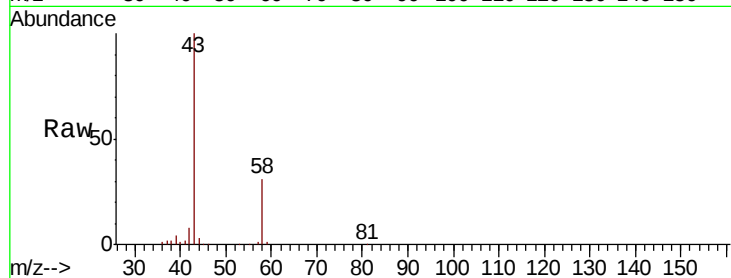
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 43 Resp: 95279

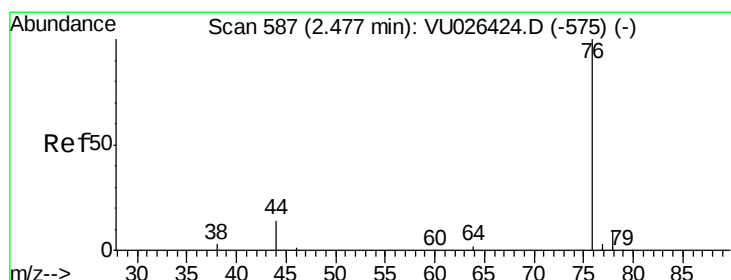
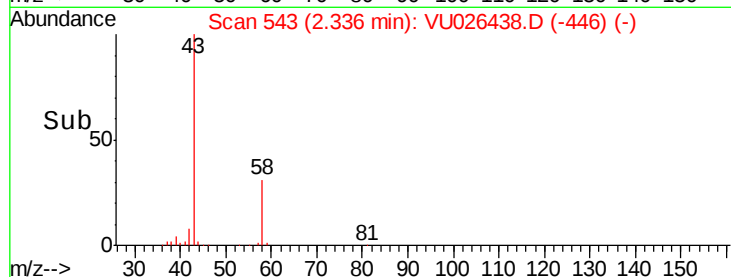
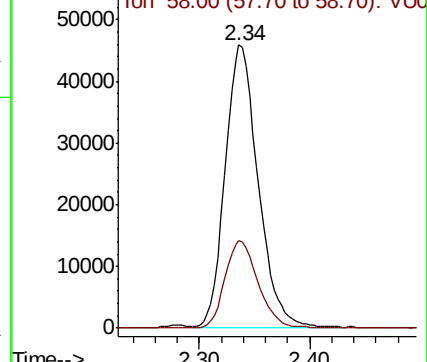
Ion Ratio Lower Upper

43 100

58 30.9 0.0 61.2



Abundance Ion 43.00 (42.70 to 43.70): VU026424.D (-517) (-)



#14

Carbon disulfide

Concen: 48.653 ug/L

RT: 2.47 min Scan# 586

Delta R.T. -0.00 min

Lab File: VU026438.D

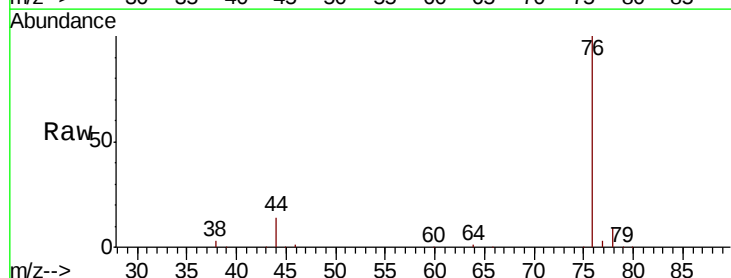
Acq: 30 Aug 2018 10:33

Tgt Ion: 76 Resp: 161212

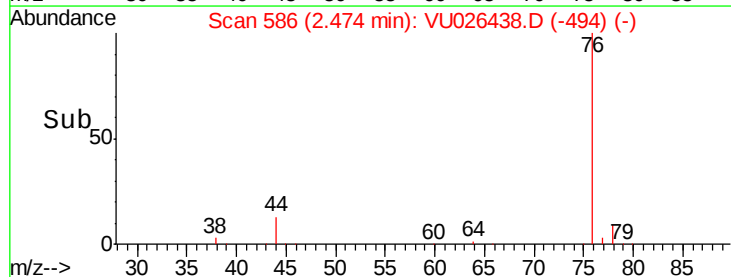
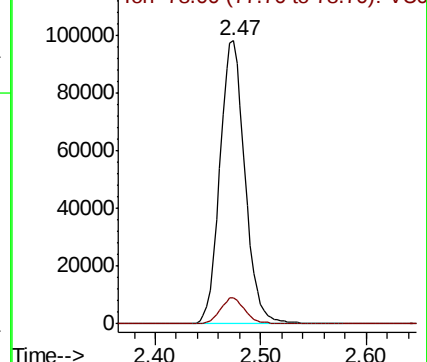
Ion Ratio Lower Upper

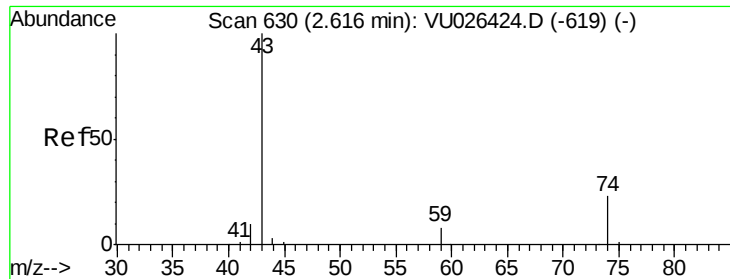
76 100

78 9.1 7.3 10.9



Abundance Ion 76.00 (75.70 to 76.70): VU026424.D (-575) (-)





#15

Methvl Acetate

Concen: 49.030 ug/L

RT: 2.62 min Scan# 631

Delta R.T. 0.00 min

Lab File: VU026438.D

Acq: 30 Aug 2018 10:33

Instrument :

MSVOA_U

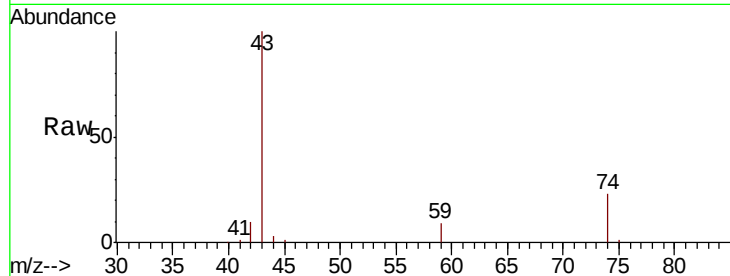
ClientSampleId :

Tot Ion: 43 Resp: 65757

Ion Ratio Lower Upper

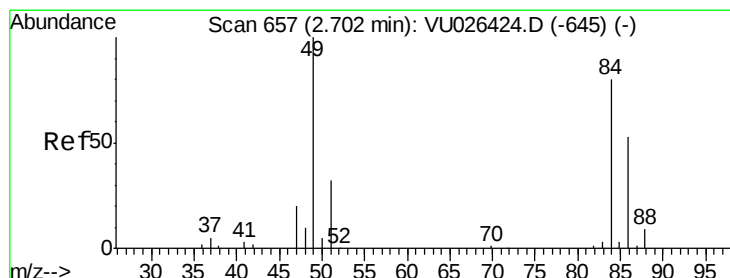
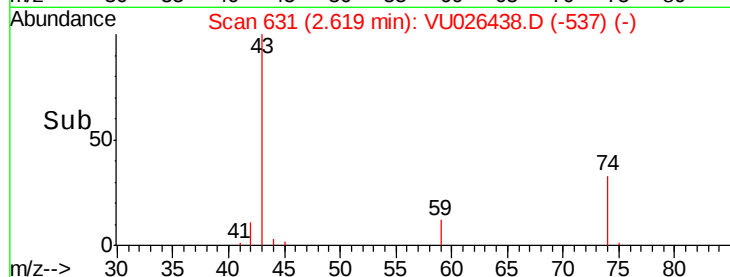
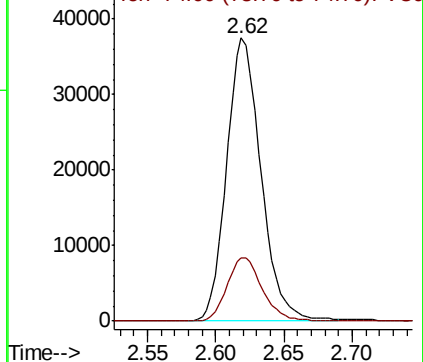
43 100

74 22.9 17.8 26.6



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 74.00 (73.70 to 74.70): VU0



#16

Methylene chloride

Concen: 50.167 ug/L

RT: 2.70 min Scan# 656

Delta R.T. -0.00 min

Lab File: VU026438.D

Acq: 30 Aug 2018 10:33

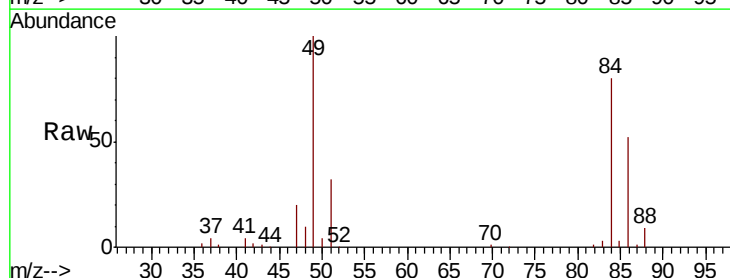
Tgt Ion: 84 Resp: 60392

Ion Ratio Lower Upper

84 100

86 65.1 46.2 85.8

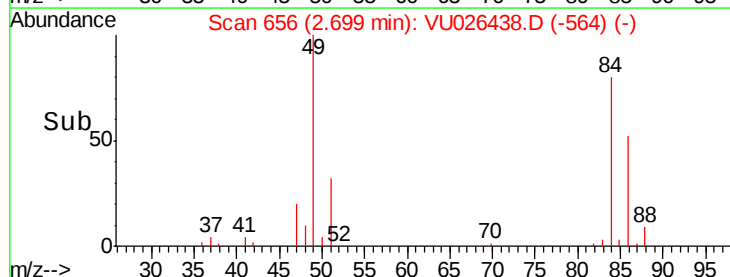
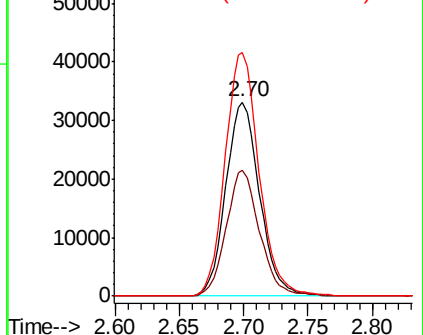
49 125.5 88.2 163.8

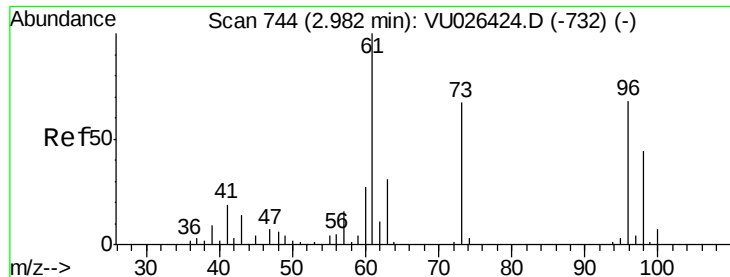


Abundance Ion 84.00 (83.70 to 84.70): VU0

Ion 86.00 (85.70 to 86.70): VU0

Ion 49.00 (48.70 to 49.70): VU0





#17

trans-1,2-Dichloroethene

Concen: 49.718 ug/L

RT: 2.98 min Scan# 743

Delta R.T. -0.00 min

Lab File: VU026438.D

Acq: 30 Aug 2018 10:33

Instrument :
MSVOA_U
ClientSampleId :

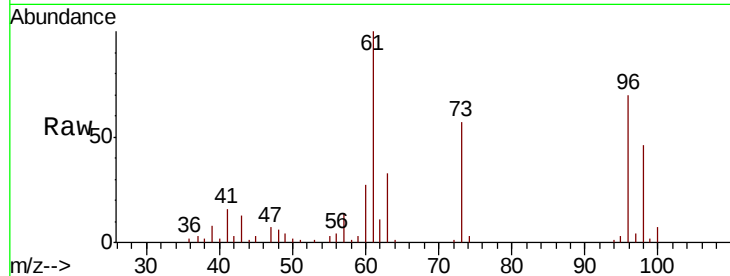
Tot Ion: 96 Resp: 52655

Ion Ratio Lower Upper

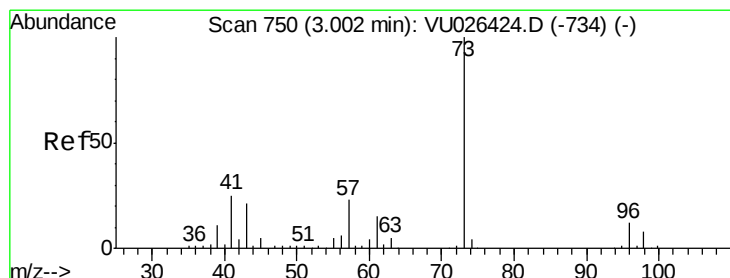
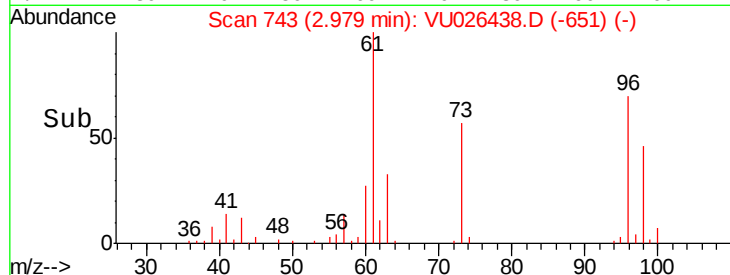
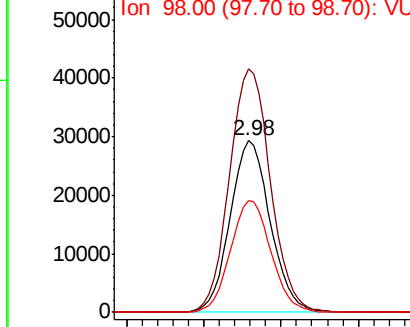
96 100

61 142.1 103.2 191.6

98 65.5 44.9 83.3



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: 52.135 ug/L

RT: 3.00 min Scan# 750

Delta R.T. -0.00 min

Lab File: VU026438.D

Acq: 30 Aug 2018 10:33

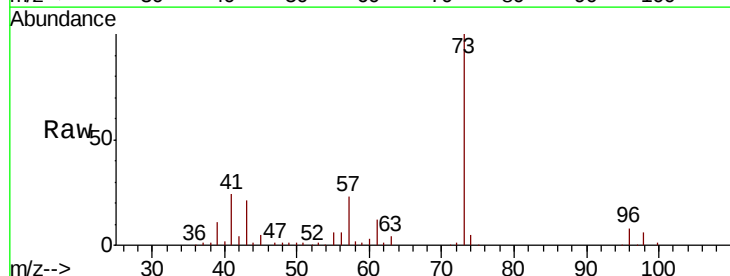
Tgt Ion: 73 Resp: 167614

Ion Ratio Lower Upper

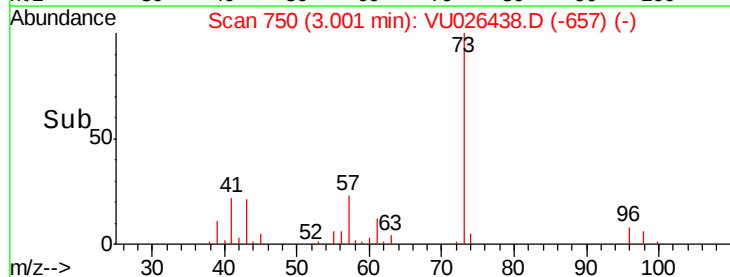
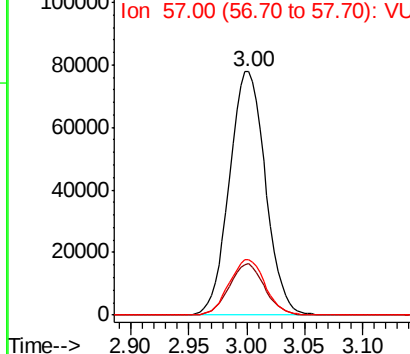
73 100

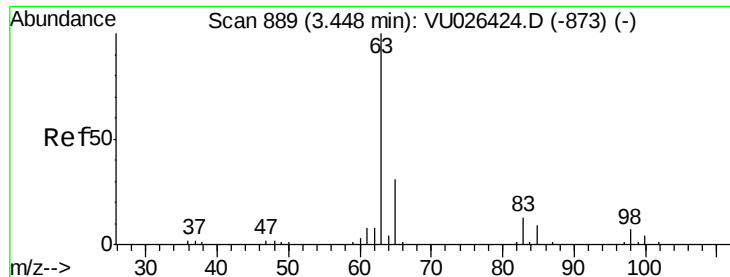
43 20.7 16.6 25.0

57 22.9 18.2 27.2



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: 50.709 ug/L

RT: 3.45 min Scan# 888

Delta R.T. -0.00 min

Lab File: VU026438.D

Acq: 30 Aug 2018 10:33

Instrument :

MSVOA_U

ClientSampleId :

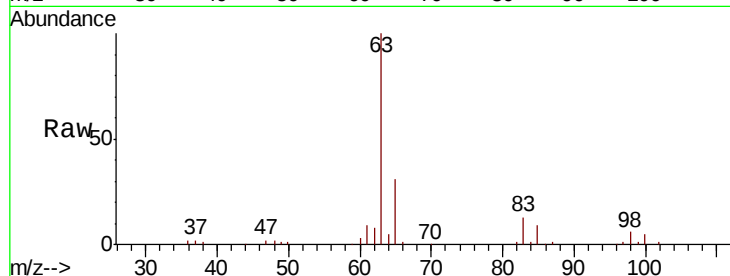
Tot Ion: 63 Resp: 105526

Ion Ratio Lower Upper

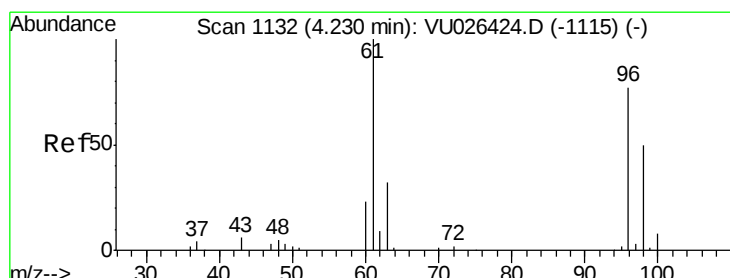
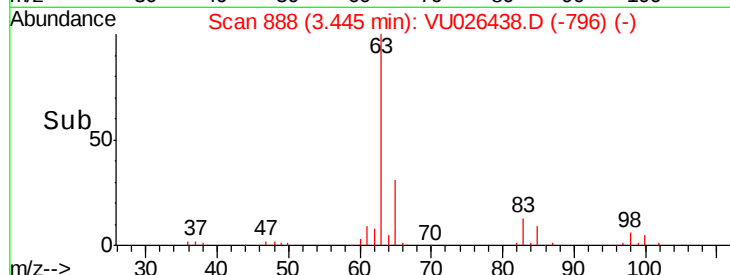
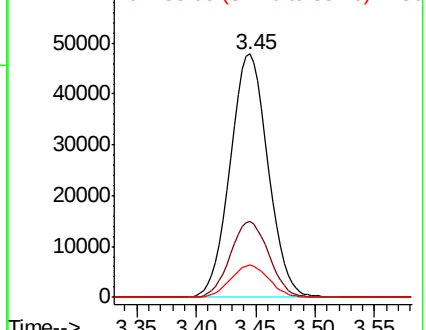
63 100

65 31.3 21.6 40.2

83 13.1 8.8 16.4



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



#20

cis-1,2-Dichloroethene

Concen: 51.574 ug/L

RT: 4.23 min Scan# 1131

Delta R.T. -0.00 min

Lab File: VU026438.D

Acq: 30 Aug 2018 10:33

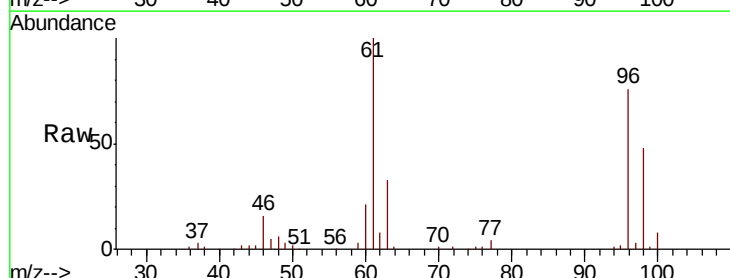
Tgt Ion: 96 Resp: 61188

Ion Ratio Lower Upper

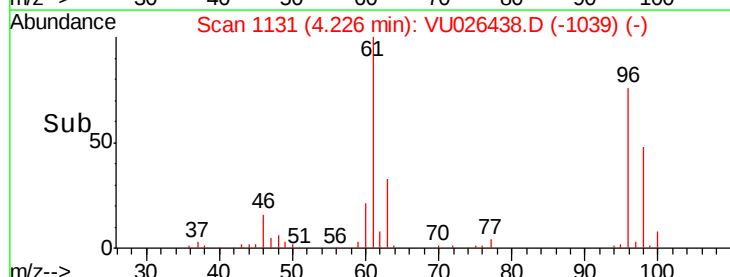
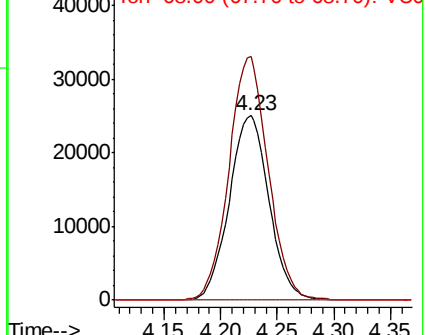
96 100

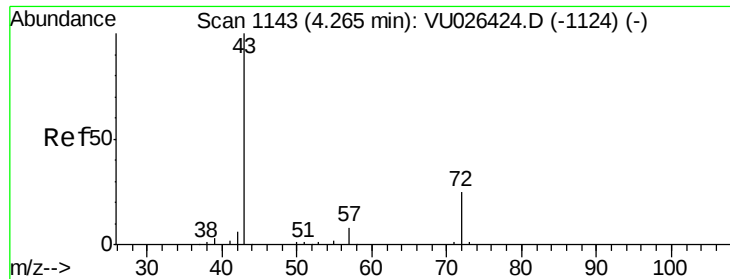
61 131.9 91.6 170.2

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: 117.566 ug/L

RT: 4.27 min Scan# 1145

Delta R.T. 0.01 min

Lab File: VU026438.D

Acq: 30 Aug 2018 10:33

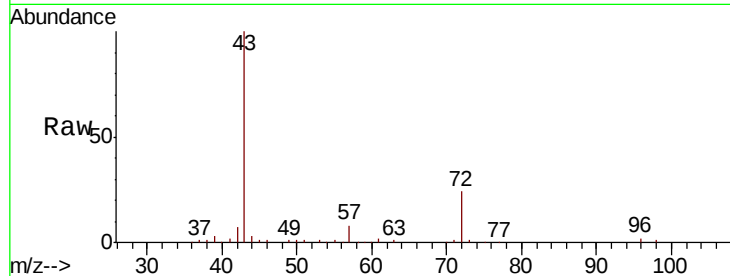
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 43 Resp: 107938

Ion Ratio Lower Upper

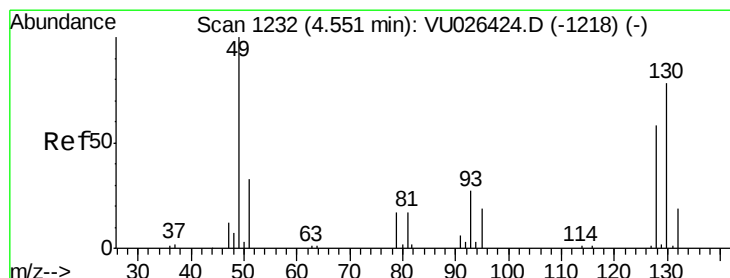
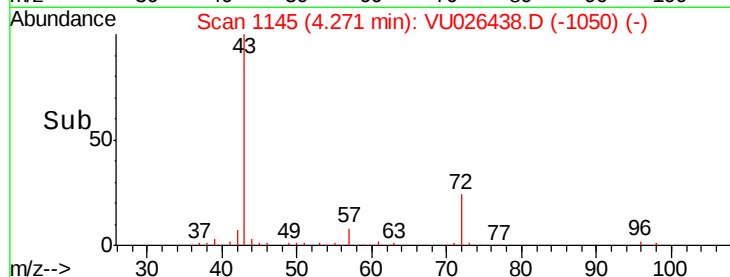
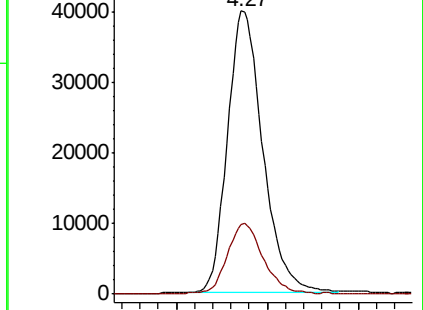
43 100

72 25.7 13.0 38.9



Abundance Ion 43.00 (42.70 to 43.70): VU026438.D (-1145) (-)

Ion 72.00 (71.70 to 72.70): VU026438.D (-1145) (-)



#23

Bromochloromethane

Concen: 51.127 ug/L

RT: 4.55 min Scan# 1231

Delta R.T. -0.00 min

Lab File: VU026438.D

Acq: 30 Aug 2018 10:33

Tgt Ion: 128 Resp: 31251

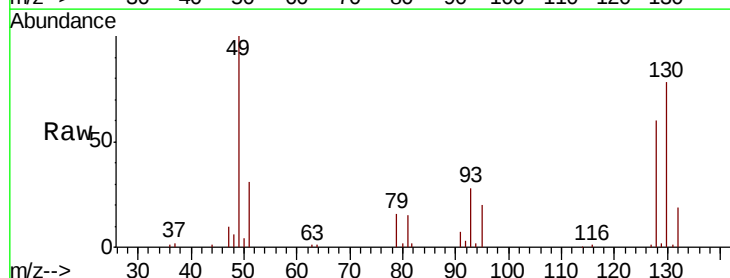
Ion Ratio Lower Upper

128 100

49 165.5 121.2 225.0

130 129.8 94.1 174.7

51 50.6 45.1 67.7

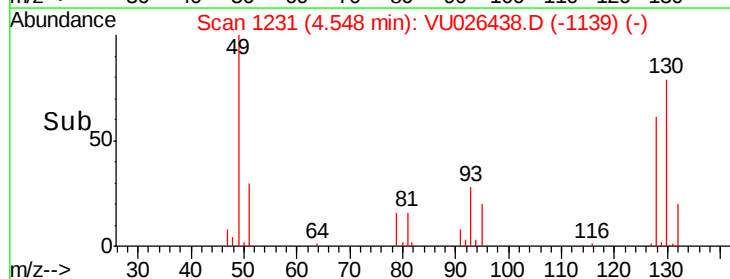
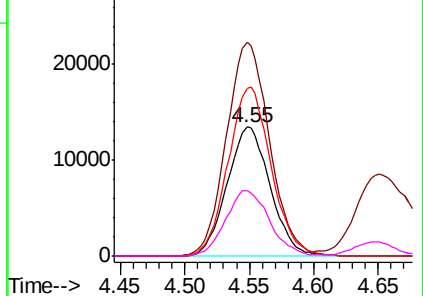


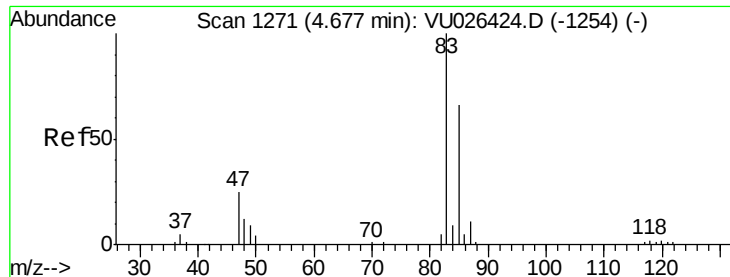
Abundance Ion 128.00 (127.70 to 128.70): VU026438.D (-1231) (-)

Ion 49.00 (48.70 to 49.70): VU026438.D (-1231) (-)

Ion 130.00 (129.70 to 130.70): VU026438.D (-1231) (-)

Ion 51.00 (50.70 to 51.70): VU026438.D (-1231) (-)

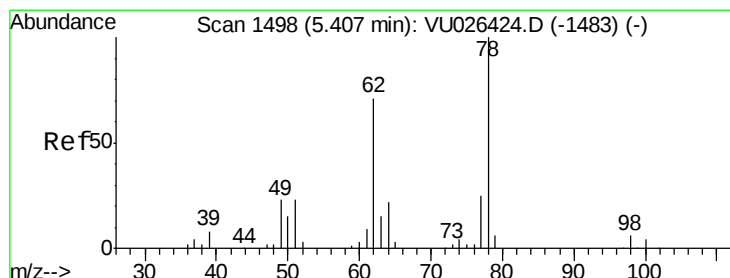
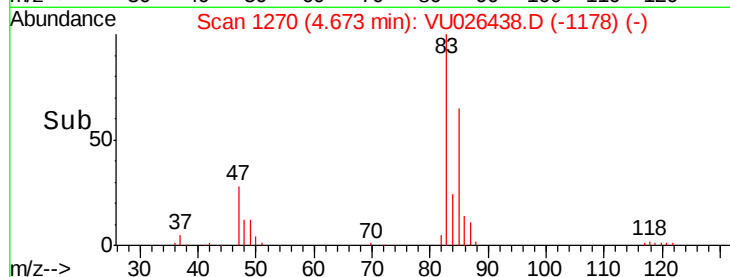
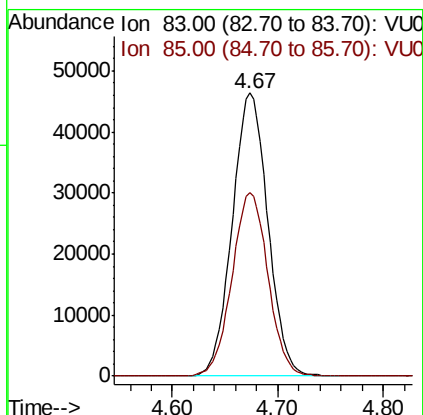
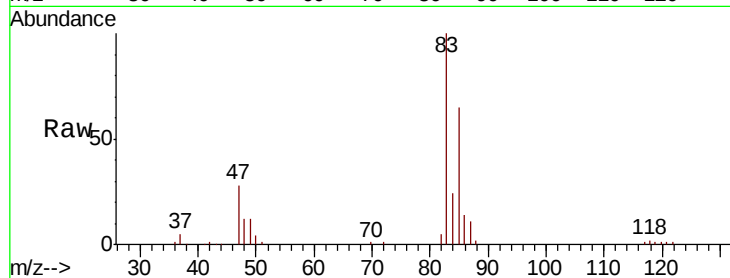




#25
Chloroform
Concen: 51.200 ug/L
RT: 4.67 min Scan# 1270
Delta R.T. -0.00 min
Lab File: VU026438.D
Acq: 30 Aug 2018 10:33

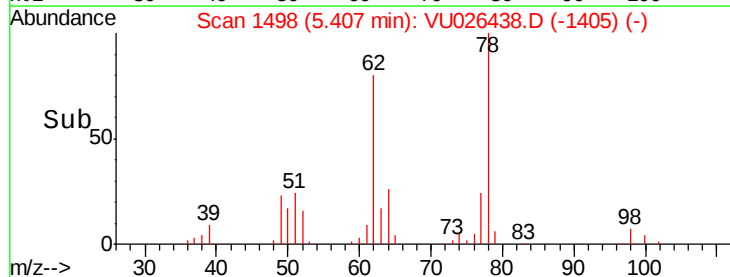
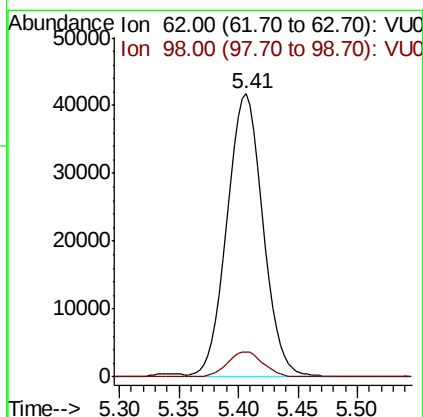
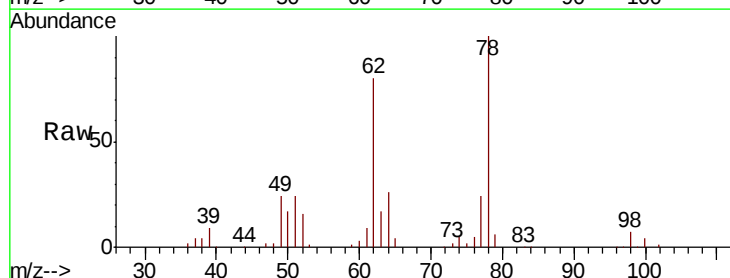
Instrument :
MSVOA_U
ClientSampled :

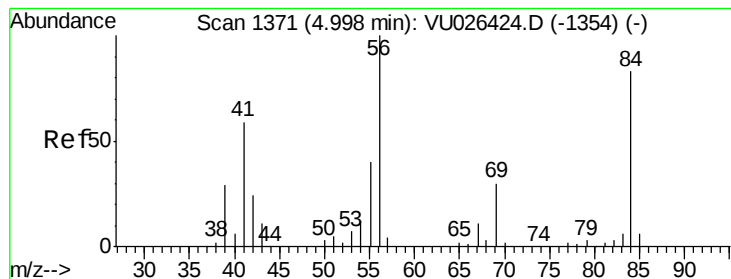
Tot Ion: 83 Resp: 108812
Ion Ratio Lower Upper
83 100
85 65.0 46.5 86.5



#27
1,2-Dichloroethane
Concen: 51.279 ug/L
RT: 5.41 min Scan# 1498
Delta R.T. -0.00 min
Lab File: VU026438.D
Acq: 30 Aug 2018 10:33

Tgt Ion: 62 Resp: 87892
Ion Ratio Lower Upper
62 100
98 8.9 6.8 10.2





#29

Cyclohexane

Concen: 56.256 ug/L

RT: 5.00 min Scan# 1371

Delta R.T. -0.00 min

Lab File: VU026438.D

Acq: 30 Aug 2018 10:33

Instrument :
MSVOA_U
ClientSampled :

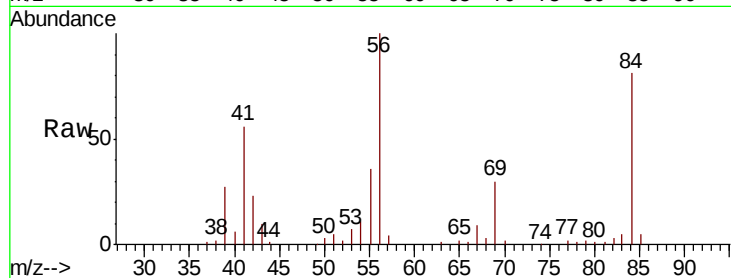
Tot Ion: 56 Resp: 93534

Ion Ratio Lower Upper

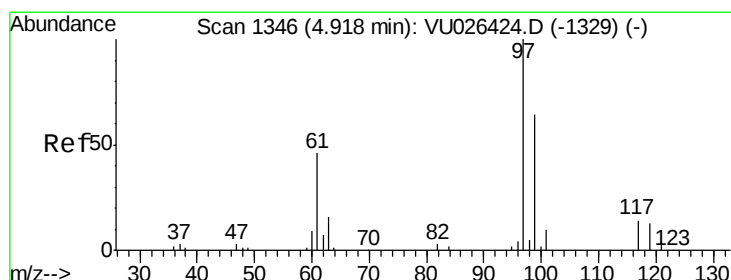
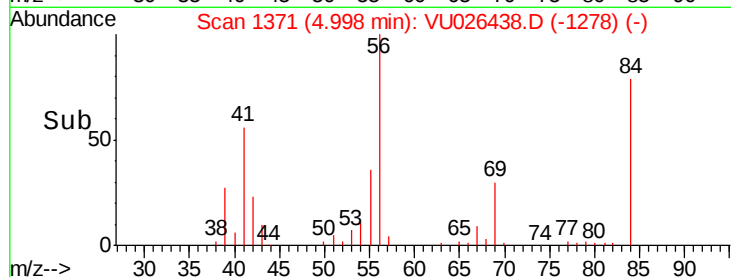
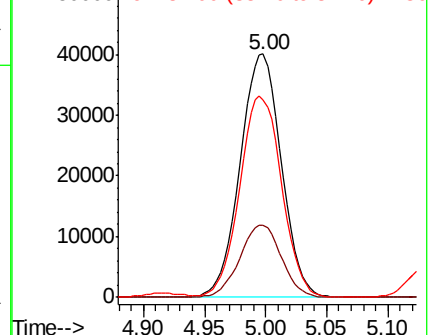
56 100

69 30.1 24.0 36.0

84 84.5 67.2 100.8



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



#30

1,1,1-Trichloroethane

Concen: 53.784 ug/L

RT: 4.91 min Scan# 1345

Delta R.T. -0.00 min

Lab File: VU026438.D

Acq: 30 Aug 2018 10:33

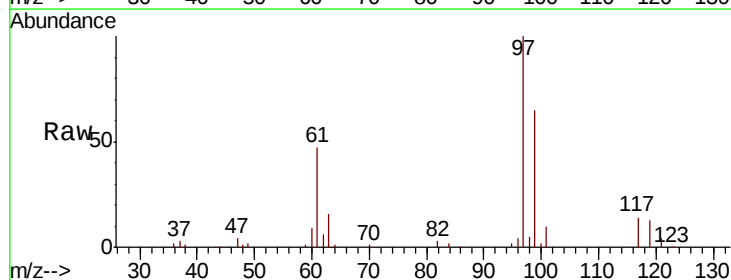
Tgt Ion: 97 Resp: 90316

Ion Ratio Lower Upper

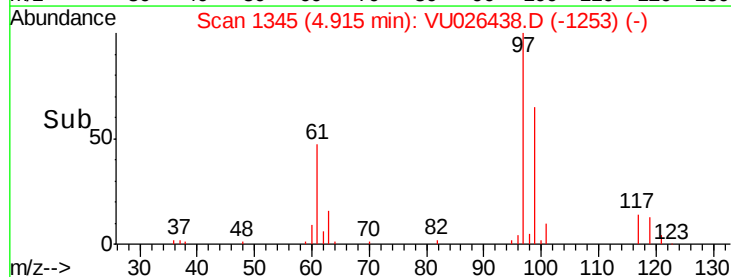
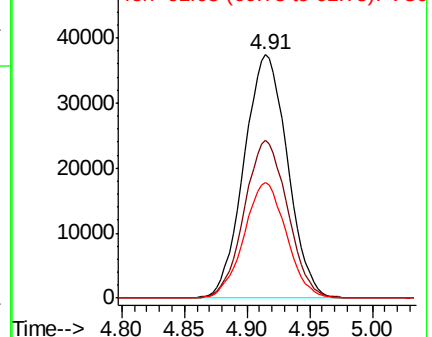
97 100

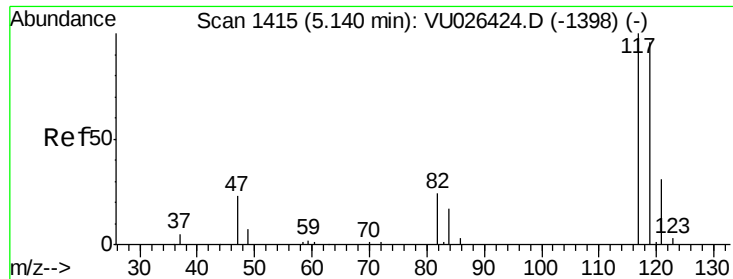
99 64.5 51.6 77.4

61 46.2 37.9 56.9



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





#31

Carbon tetrachloride

Concen: 54.006 ug/L

RT: 5.14 min Scan# 1414

Delta R.T. -0.00 min

Lab File: VU026438.D

Acq: 30 Aug 2018 10:33

Instrument :

MSVOA_U

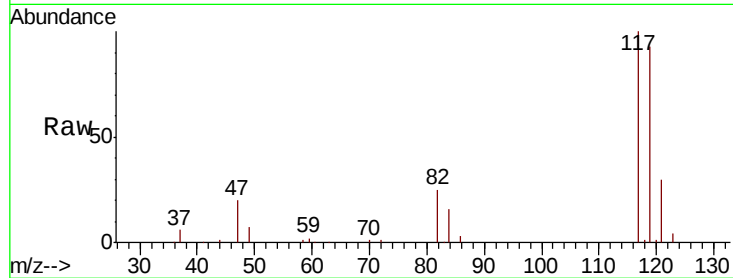
ClientSampleId :

Tot Ion:117 Resp: 82402

Ion Ratio Lower Upper

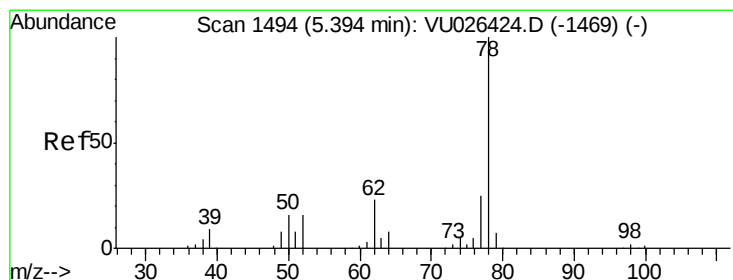
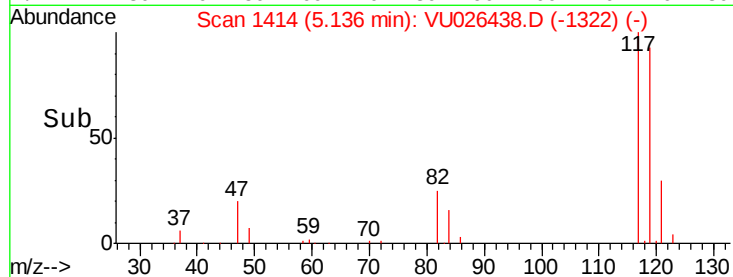
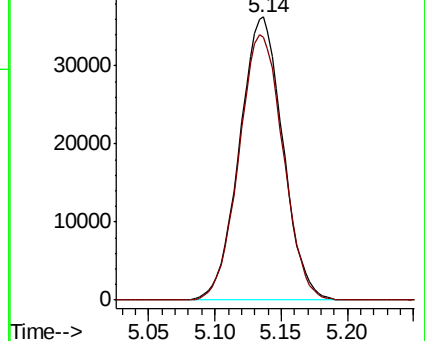
117 100

119 95.8 76.4 114.6



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#33

Benzene

Concen: 53.839 ug/L

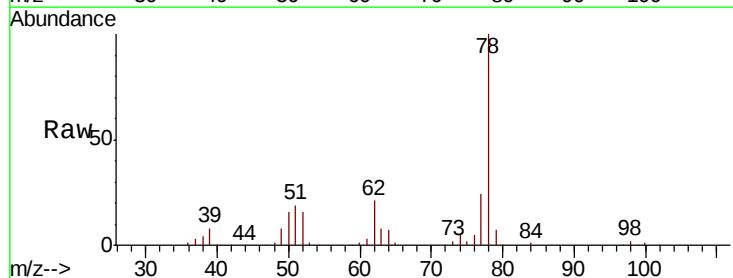
RT: 5.39 min Scan# 1493

Delta R.T. -0.00 min

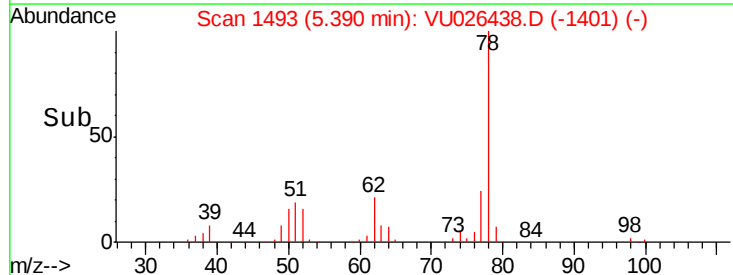
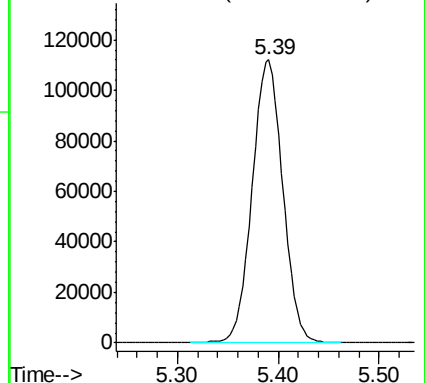
Lab File: VU026438.D

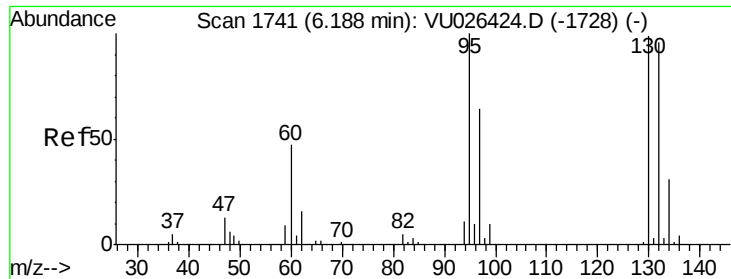
Acq: 30 Aug 2018 10:33

Tgt Ion: 78 Resp: 235534



Abundance Ion 78.00 (77.70 to 78.70): VU0

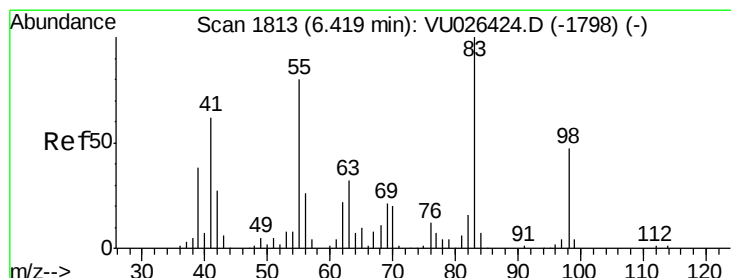
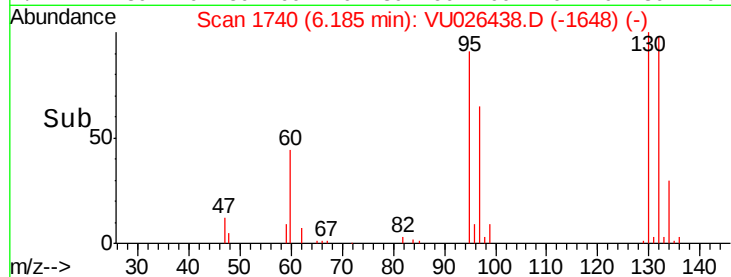
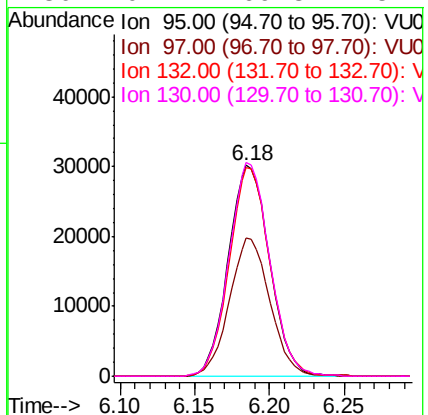
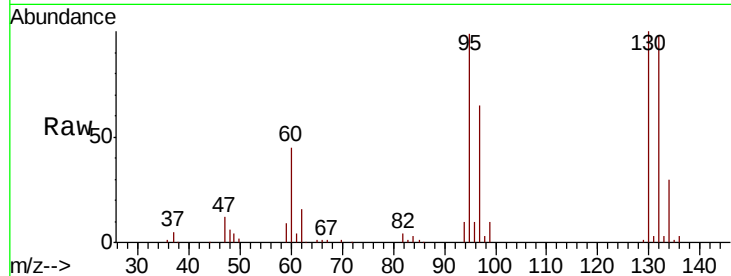




#34
 Trichloroethene
 Concen: 52.883 ug/L
 RT: 6.18 min Scan# 1740
 Delta R.T. -0.00 min
 Lab File: VU026438.D
 Acq: 30 Aug 2018 10:33

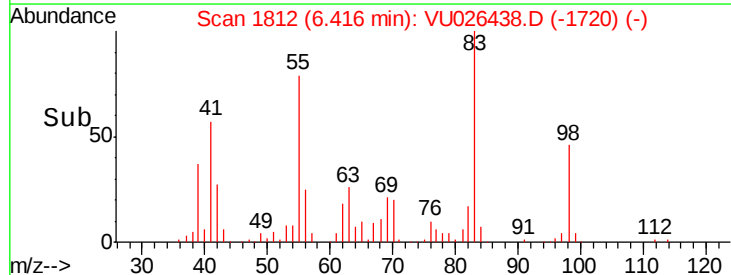
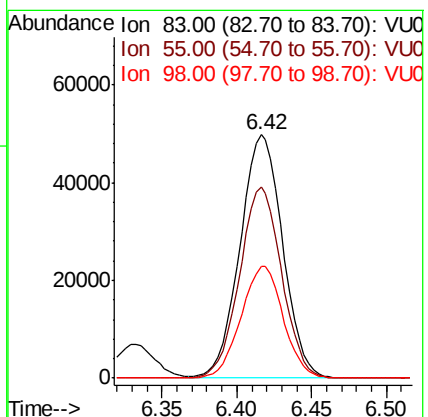
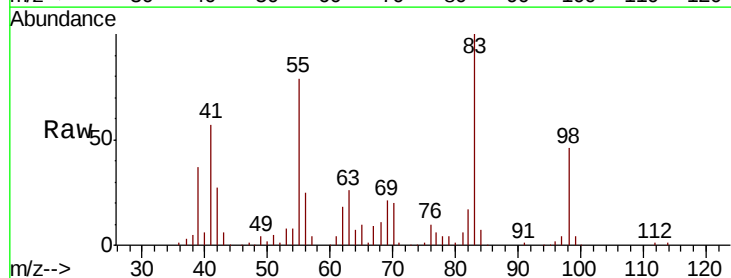
Instrument :
 MSVOA_U
 ClientSampleId :

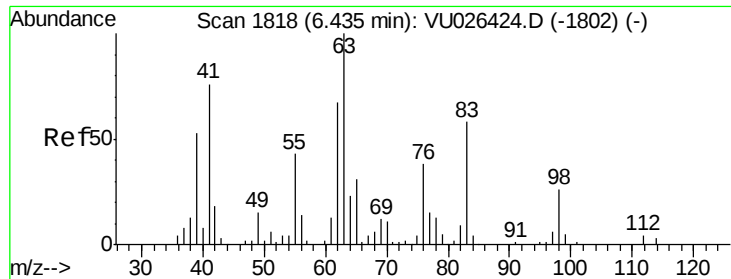
Tot Ion: 95 Resp: 58030
 Ion Ratio Lower Upper
 95 100
 97 65.4 45.1 83.7
 132 99.2 67.5 125.3
 130 101.4 69.3 128.7



#35
 Methylcyclohexane
 Concen: 57.663 ug/L
 RT: 6.42 min Scan# 1812
 Delta R.T. -0.00 min
 Lab File: VU026438.D
 Acq: 30 Aug 2018 10:33

Tgt Ion: 83 Resp: 98803
 Ion Ratio Lower Upper
 83 100
 55 77.4 63.3 94.9
 98 45.5 36.7 55.1

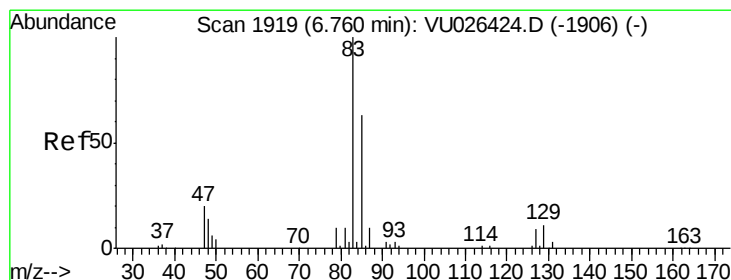
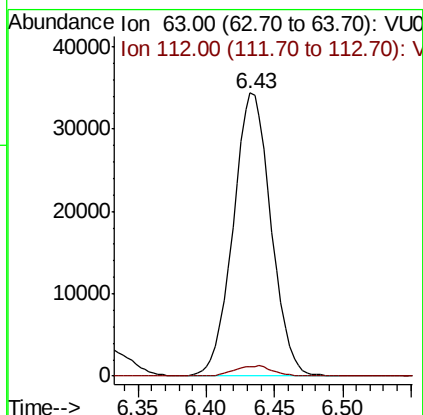
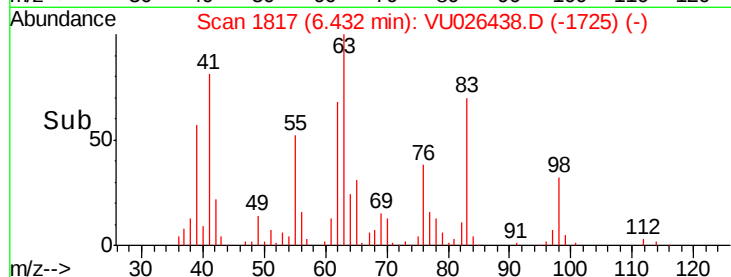
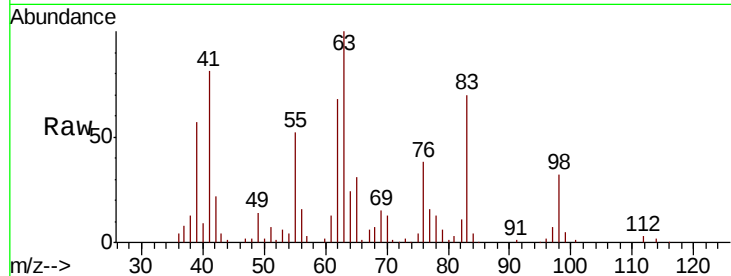




#37
 1,2-Dichloropropane
 Concen: 54.689 ug/L
 RT: 6.43 min Scan# 1817
 Delta R.T. -0.00 min
 Lab File: VU026438.D
 Acq: 30 Aug 2018 10:33

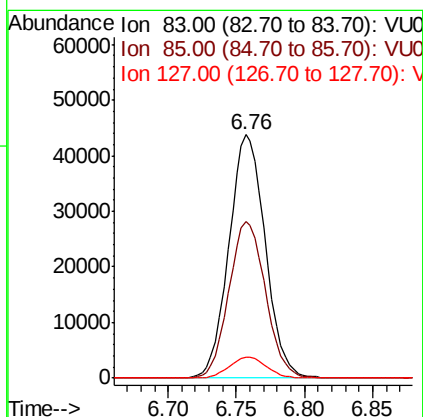
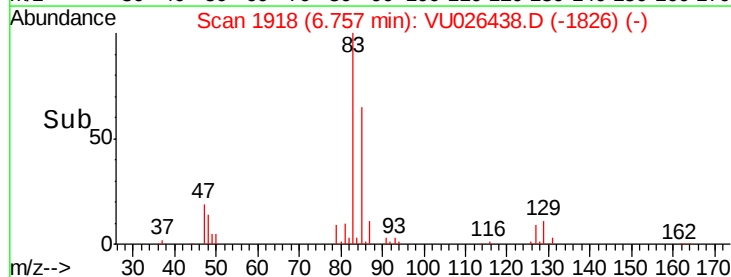
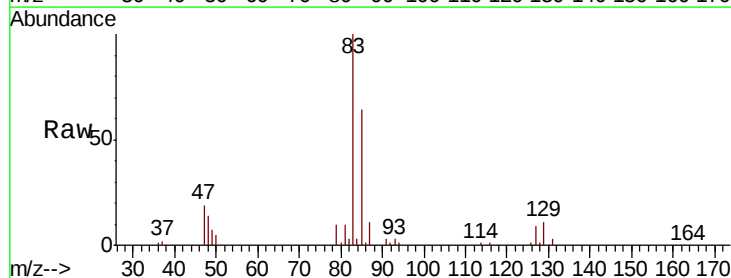
Instrument :
 MSVOA_U
 ClientSampled :

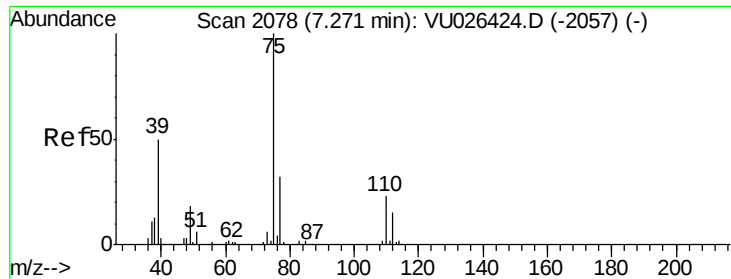
Tot Ion: 63 Resp: 66234
 Ion Ratio Lower Upper
 63 100
 112 3.6 3.0 4.6



#38
 Bromodichloromethane
 Concen: 52.395 ug/L
 RT: 6.76 min Scan# 1918
 Delta R.T. -0.00 min
 Lab File: VU026438.D
 Acq: 30 Aug 2018 10:33

Tgt Ion: 83 Resp: 80921
 Ion Ratio Lower Upper
 83 100
 85 64.4 43.9 81.5
 127 8.7 7.0 10.6

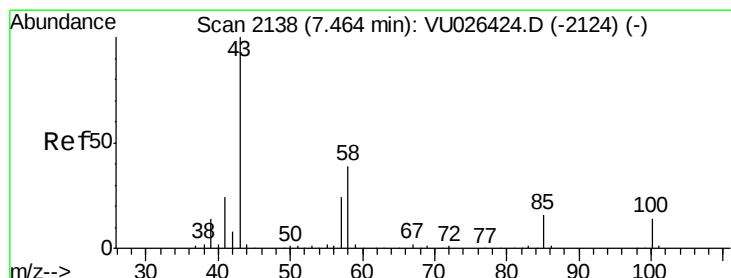
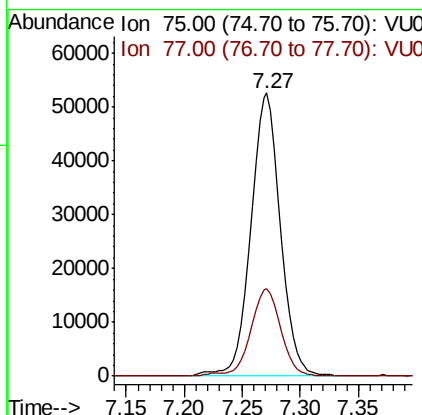
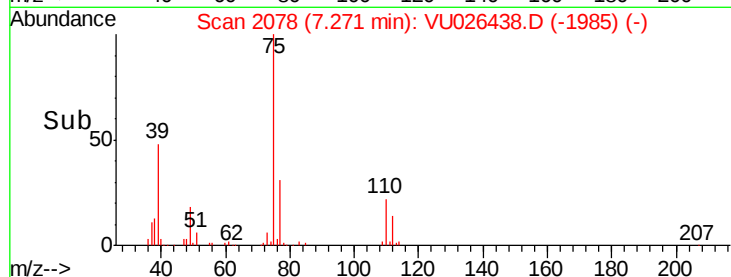
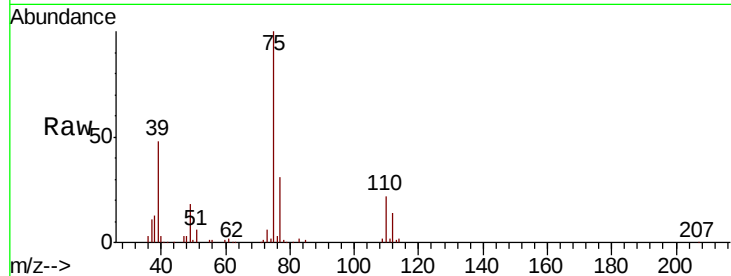




#39
 cis-1,3-Dichloropropene
 Concen: 54.349 ug/L
 RT: 7.27 min Scan# 2078
 Delta R.T. -0.00 min
 Lab File: VU026438.D
 Acq: 30 Aug 2018 10:33

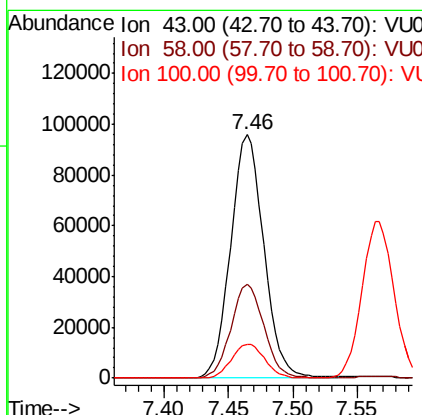
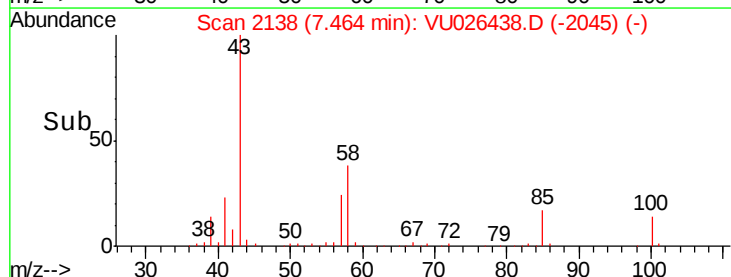
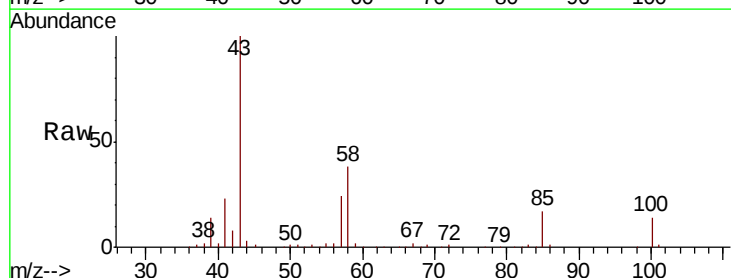
Instrument :
 MSVOA_U
 ClientSampleId :

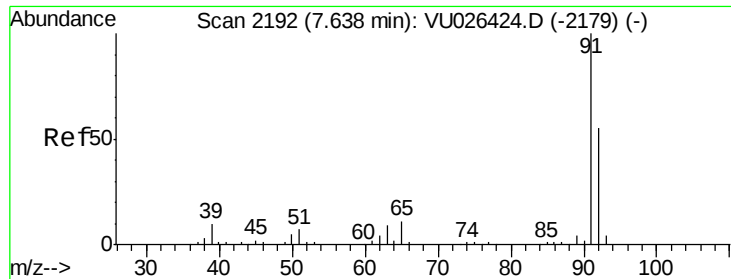
Tot Ion: 75 Resp: 93790
 Ion Ratio Lower Upper
 75 100
 77 30.9 22.2 41.2



#40
 4-Methyl-2-pentanone
 Concen: 105.102 ug/L
 RT: 7.46 min Scan# 2138
 Delta R.T. -0.00 min
 Lab File: VU026438.D
 Acq: 30 Aug 2018 10:33

Tgt Ion: 43 Resp: 171666
 Ion Ratio Lower Upper
 43 100
 58 38.3 30.4 45.6
 100 14.0 11.0 16.4





#42

Toluene

Concen: 54.474 ug/L

RT: 7.64 min Scan# 2192

Delta R.T. -0.00 min

Lab File: VU026438.D

Acq: 30 Aug 2018 10:33

Instrument :

MSVOA_U

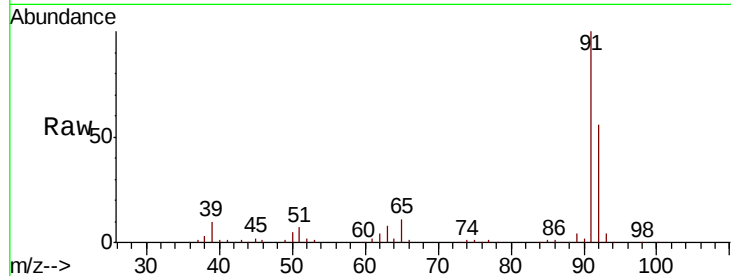
ClientSampleId :

Tot Ion: 91 Resp: 248668

Ion Ratio Lower Upper

91 100

92 56.3 38.7 71.9



Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 92.00 (91.70 to 92.70): VU0

7.64

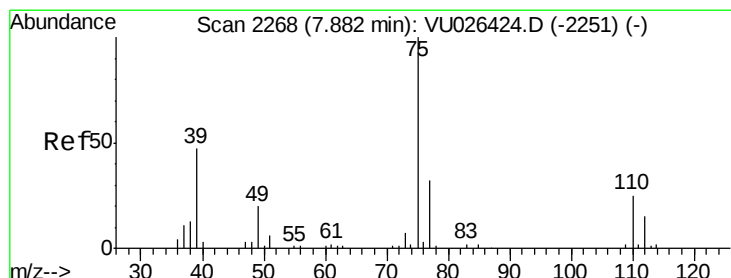
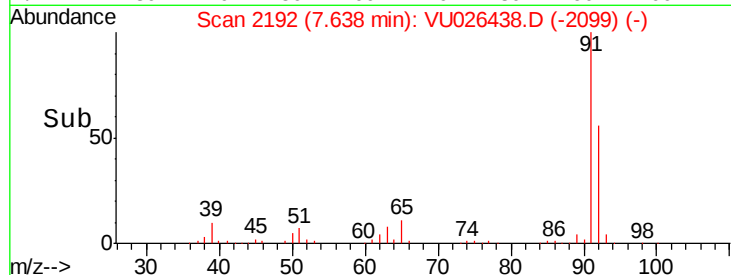
150000

100000

50000

0

Time-->



#44

trans-1,3-Dichloropropene

Concen: 53.033 ug/L

RT: 7.88 min Scan# 2267

Delta R.T. -0.00 min

Lab File: VU026438.D

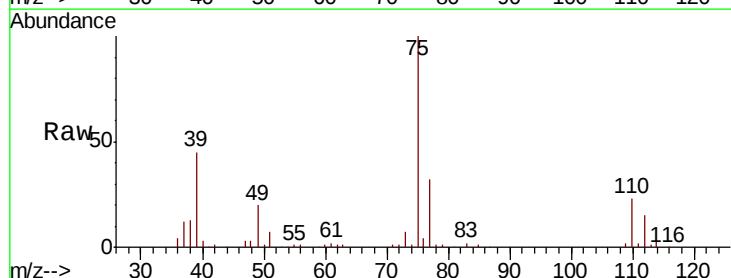
Acq: 30 Aug 2018 10:33

Tgt Ion: 75 Resp: 87229

Ion Ratio Lower Upper

75 100

77 31.5 22.1 41.1



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0

60000

50000

40000

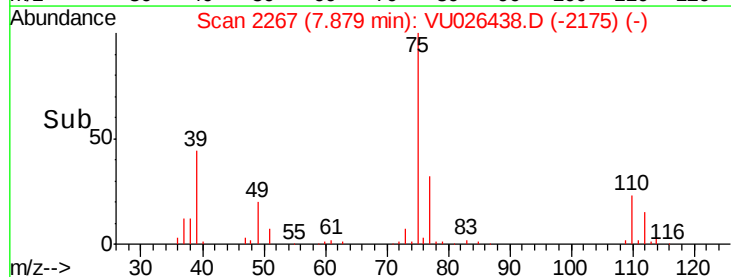
30000

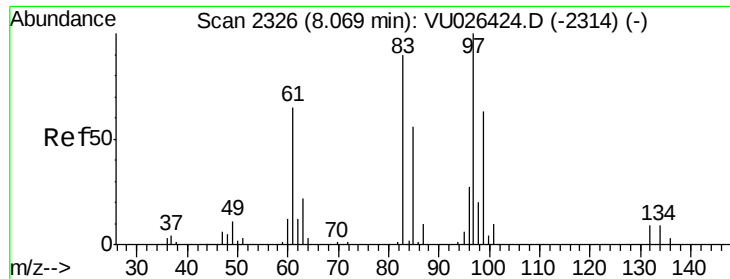
20000

10000

0

Time-->

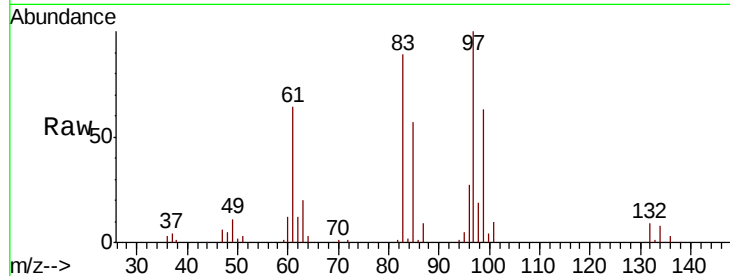




#45
1,1,2-Trichloroethane
Concen: 53.406 ug/L
RT: 8.07 min Scan# 2326
Delta R.T. -0.00 min
Lab File: VU026438.D
Acq: 30 Aug 2018 10:33

Instrument :
MSVOA_U
ClientSampled :

Tot Ion:	97	Resp:	59254
Ion	Ratio	Lower	Upper
97	100		
99	62.6	43.9	81.5
83	88.8	62.7	116.5
85	57.2	39.4	73.2



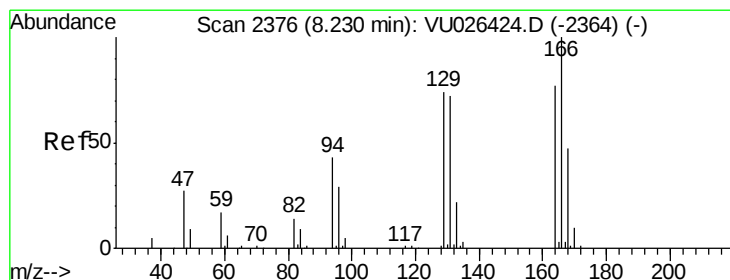
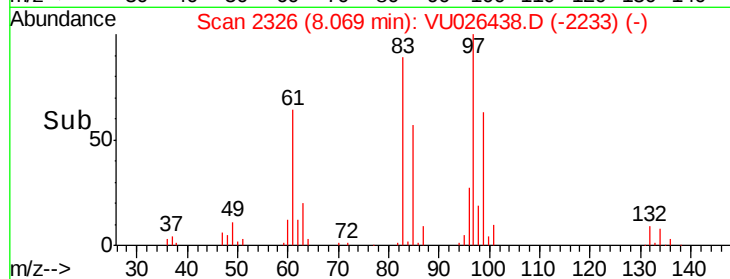
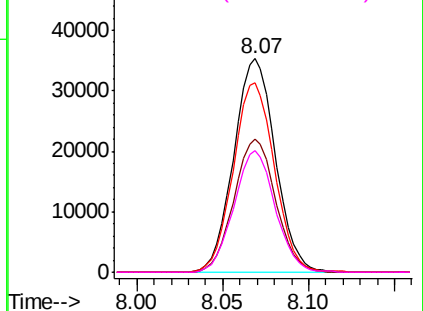
Abundance

Ion 97.00 (96.70 to 97.70): VU0

Ion 99.00 (98.70 to 99.70): VU0

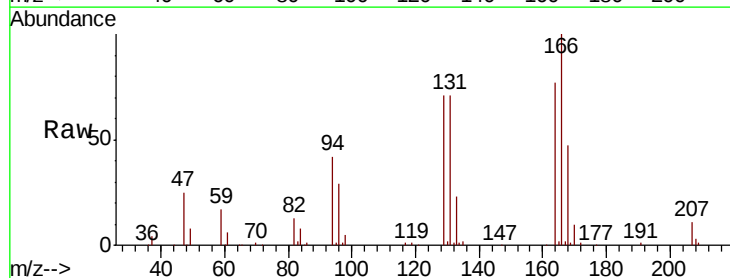
Ion 83.00 (82.70 to 83.70): VU0

Ion 85.00 (84.70 to 85.70): VU0



#46
Tetrachloroethene
Concen: 56.582 ug/L
RT: 8.23 min Scan# 2376
Delta R.T. -0.00 min
Lab File: VU026438.D
Acq: 30 Aug 2018 10:33

Tgt Ion:	164	Resp:	50763
Ion	Ratio	Lower	Upper
164	100		
129	92.4	67.3	125.1
131	92.3	65.3	121.3
166	130.2	90.9	168.7



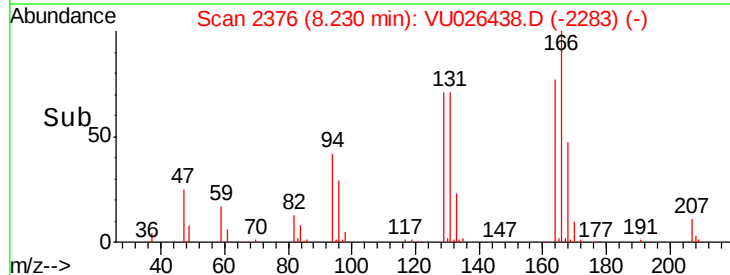
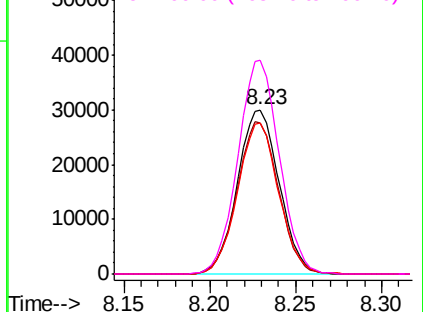
Abundance

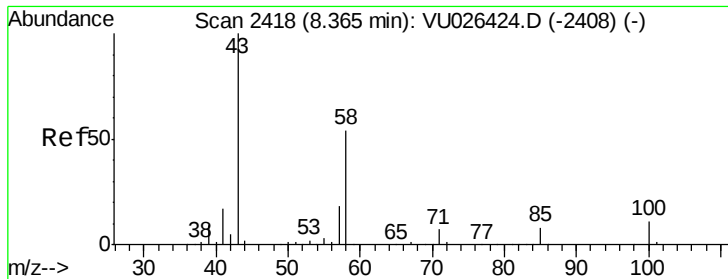
Ion 164.00 (163.70 to 164.70): V

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

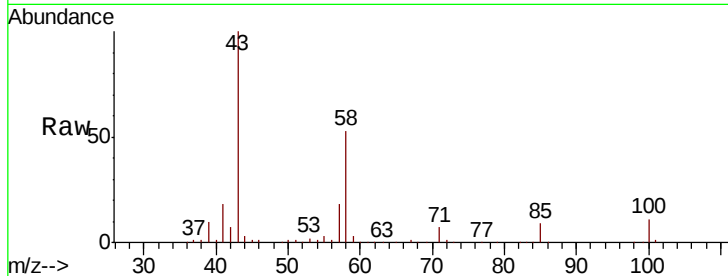




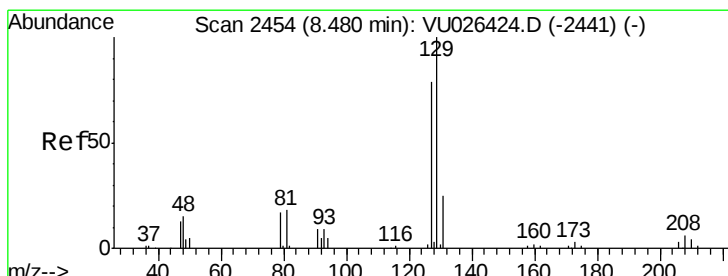
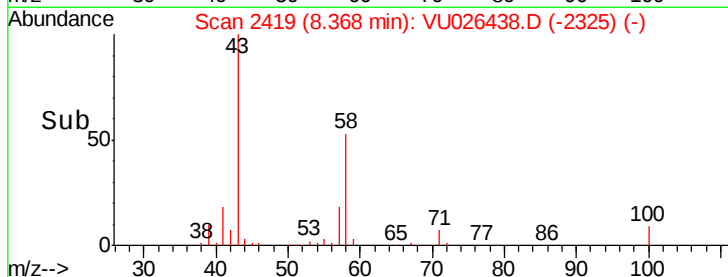
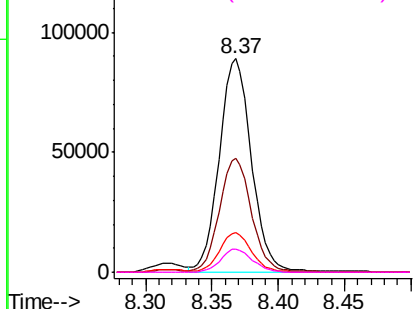
#48
2-Hexanone
Concen: 116.413 ug/L
RT: 8.37 min Scan# 2419
Delta R.T. 0.00 min
Lab File: VU026438.D
Acq: 30 Aug 2018 10:33

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 43 Resp: 149751
Ion Ratio Lower Upper
43 100
58 53.7 42.2 63.4
57 18.5 14.6 21.8
100 10.7 8.3 12.5

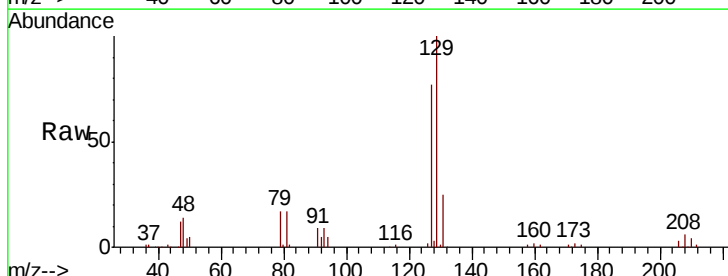


Abundance Ion 43.00 (42.70 to 43.70): VU0
Ion 58.00 (57.70 to 58.70): VU0
Ion 57.00 (56.70 to 57.70): VU0
Ion 100.00 (99.70 to 100.70): VU0

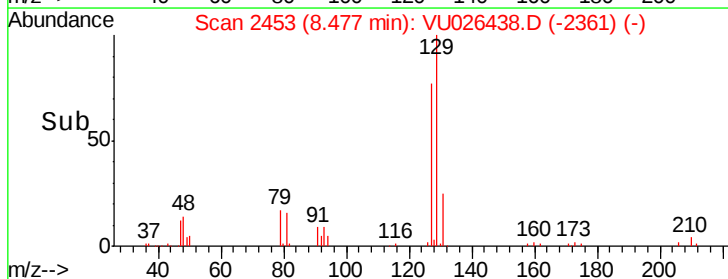
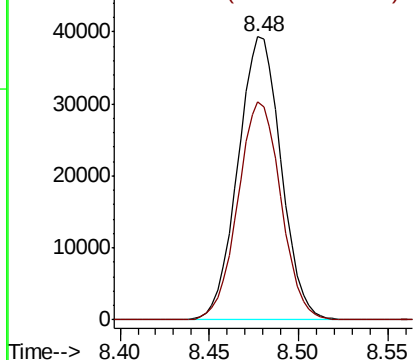


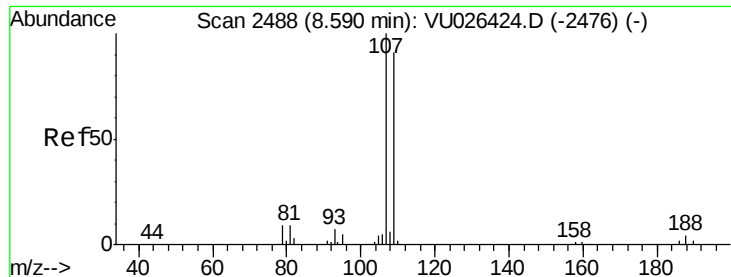
#49
Dibromochloromethane
Concen: 52.985 ug/L
RT: 8.48 min Scan# 2453
Delta R.T. -0.00 min
Lab File: VU026438.D
Acq: 30 Aug 2018 10:33

Tgt Ion:129 Resp: 66238
Ion Ratio Lower Upper
129 100
127 76.8 55.0 102.2



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

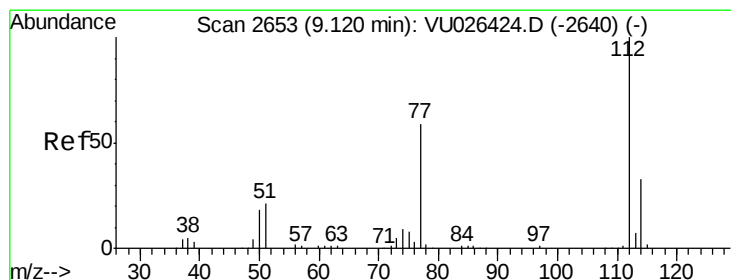
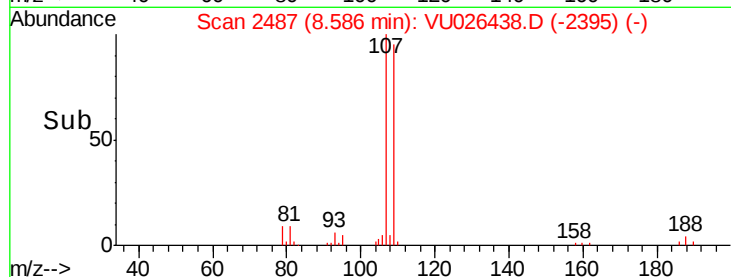
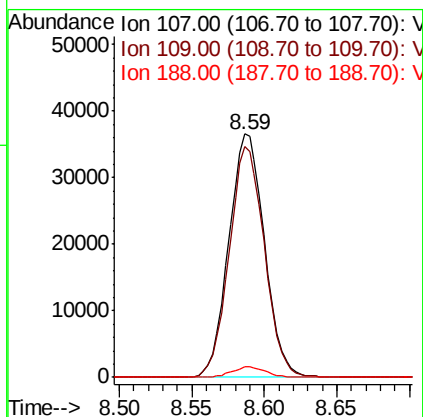
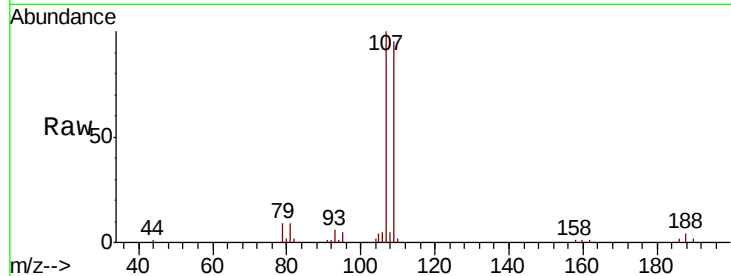




#50
1,2-Dibromoethane
Concen: 52.791 ug/L
RT: 8.59 min Scan# 2487
Delta R.T. -0.00 min
Lab File: VU026438.D
Acq: 30 Aug 2018 10:33

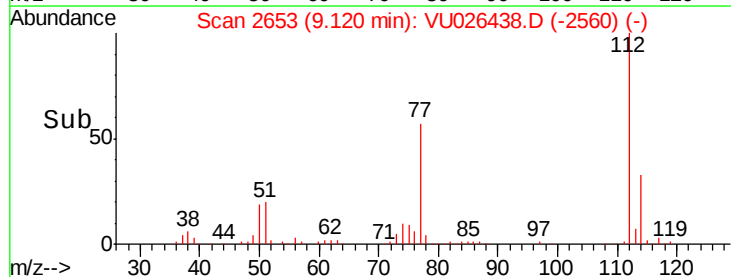
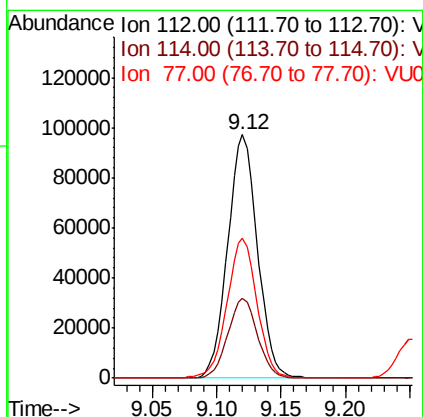
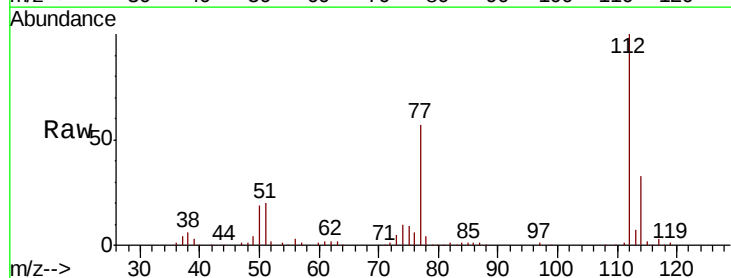
Instrument :
MSVOA_U
ClientSampleId :

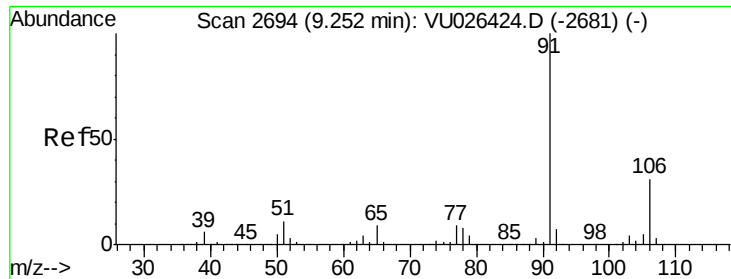
Tot Ion:107 Resp: 62370
Ion Ratio Lower Upper
107 100
109 94.9 63.4 117.8
188 4.1 3.2 4.8



#51
Chlorobenzene
Concen: 50.944 ug/L
RT: 9.12 min Scan# 2653
Delta R.T. -0.00 min
Lab File: VU026438.D
Acq: 30 Aug 2018 10:33

Tgt Ion:112 Resp: 155513
Ion Ratio Lower Upper
112 100
114 32.6 23.2 43.2
77 57.4 47.3 70.9





#52

Ethylbenzene

Concen: 52.774 ug/L

RT: 9.25 min Scan# 2694

Delta R.T. -0.00 min

Lab File: VU026438.D

Acq: 30 Aug 2018 10:33

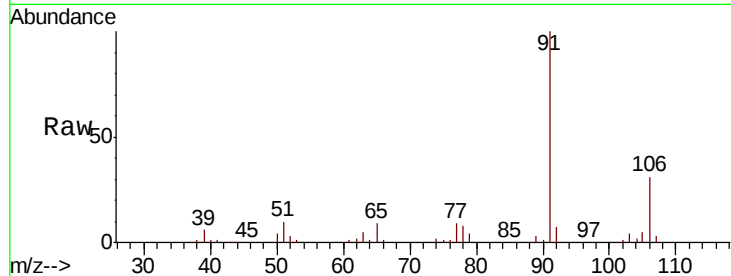
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 91 Resp: 262014

Ion Ratio Lower Upper

91 100

106 30.7 21.6 40.2



Abundance Ion 91.00 (90.70 to 91.70): VU026438.D (-2601) (-)

Ion 106.00 (105.70 to 106.70): VU026438.D (-2601) (-)

200000

150000

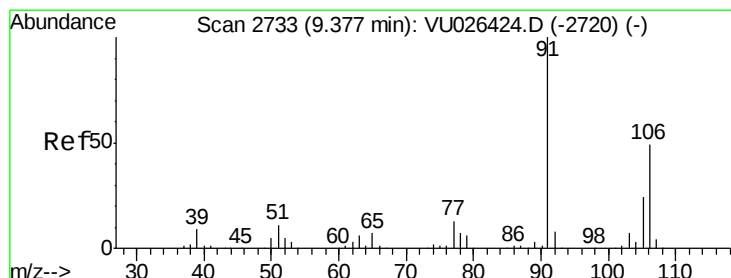
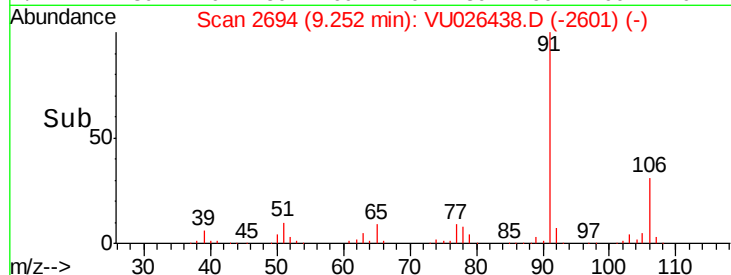
100000

50000

0

9.15 9.20 9.25 9.30 9.35

Time-->



#53

m,p-Xylene

Concen: 54.463 ug/L

RT: 9.37 min Scan# 2732

Delta R.T. -0.00 min

Lab File: VU026438.D

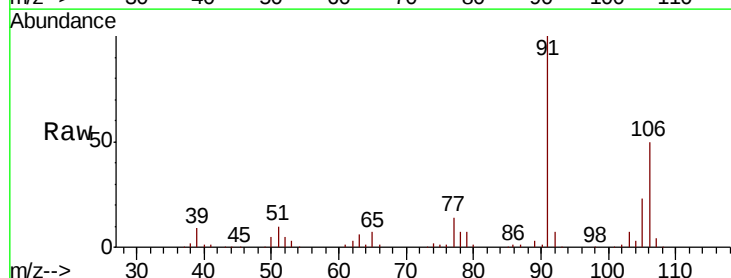
Acq: 30 Aug 2018 10:33

Tgt Ion: 106 Resp: 100964

Ion Ratio Lower Upper

106 100

91 200.7 143.0 265.6



Abundance Ion 106.00 (105.70 to 106.70): VU026438.D (-2640) (-)

Ion 91.00 (90.70 to 91.70): VU026438.D (-2640) (-)

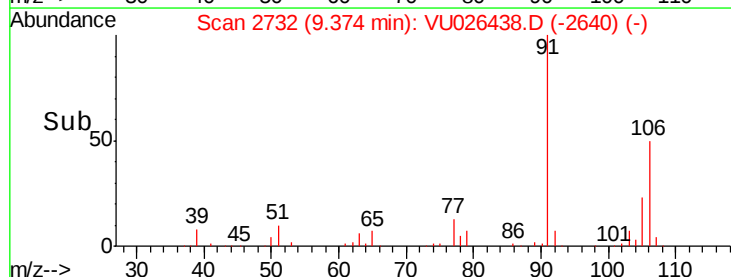
100000

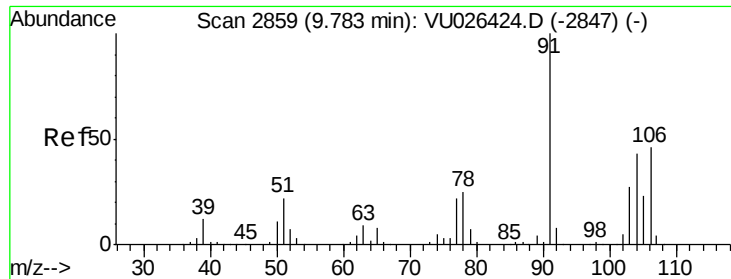
50000

0

9.30 9.35 9.40 9.45

Time-->





#54

o-xylene

Concen: 54.300 ug/L

RT: 9.78 min Scan# 2859

Delta R.T. -0.00 min

Lab File: VU026438.D

Acq: 30 Aug 2018 10:33

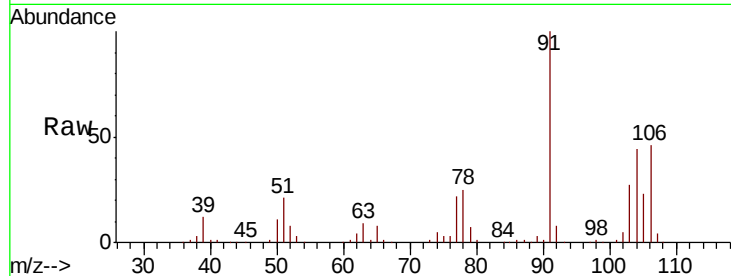
Instrument :
MSVOA_U
ClientSampled :

Tot Ion:106 Resp: 98164

Ion Ratio Lower Upper

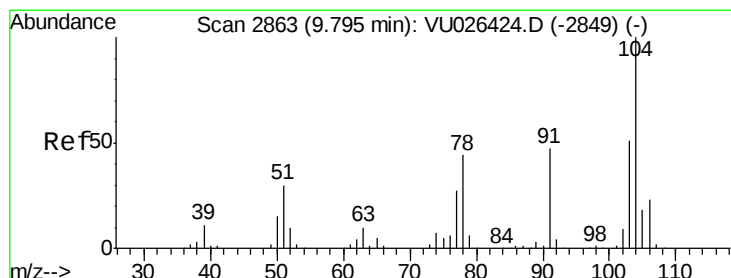
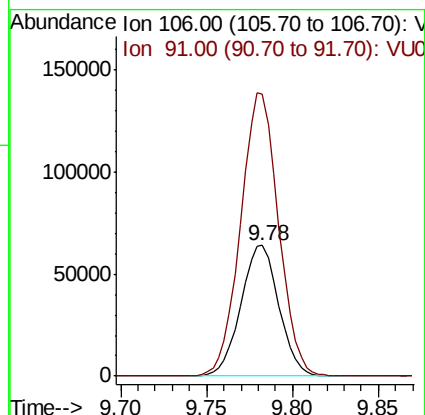
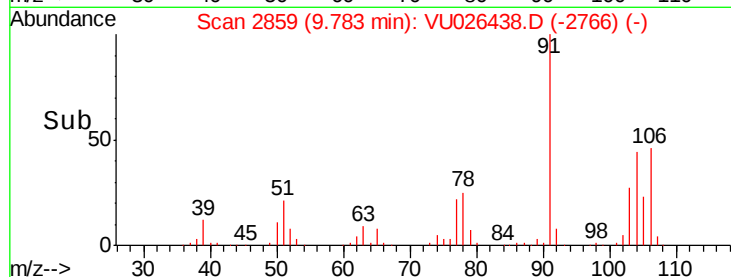
106 100

91 216.0 153.3 284.7



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: 9.79 min Scan# 2862

Delta R.T. -0.00 min

Lab File: VU026438.D

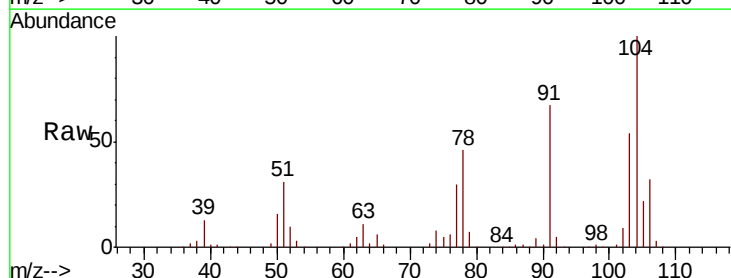
Acq: 30 Aug 2018 10:33

Tgt Ion:104 Resp: 168600

Ion Ratio Lower Upper

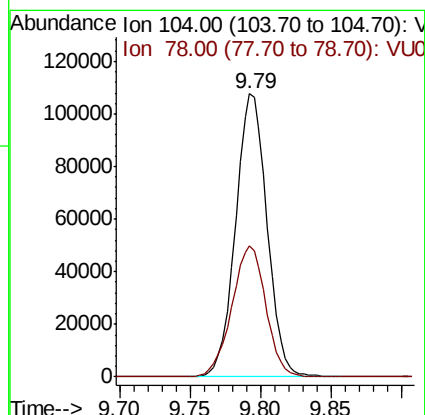
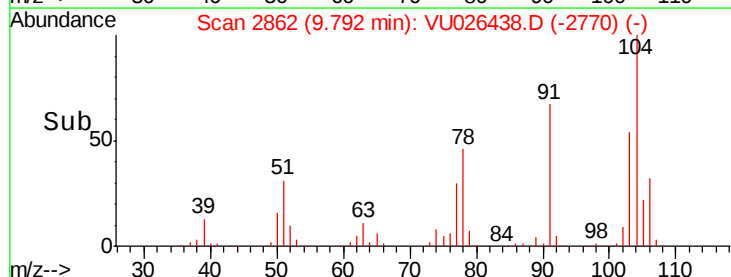
104 100

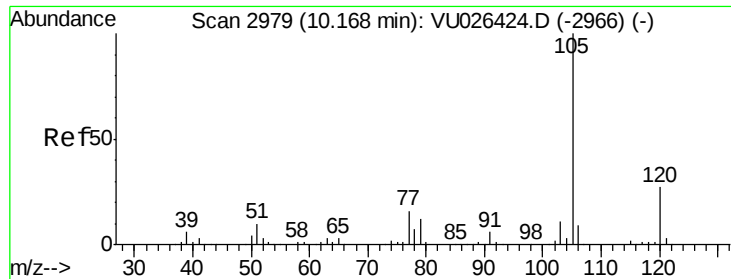
78 46.1 31.1 57.7



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VU0





#56

Isopropylbenzene

Concen: 53.713 ug/L

RT: 10.17 min Scan# 2979

Delta R.T. -0.00 min

Lab File: VU026438.D

Acq: 30 Aug 2018 10:33

Instrument :

MSVOA_U

ClientSampled :

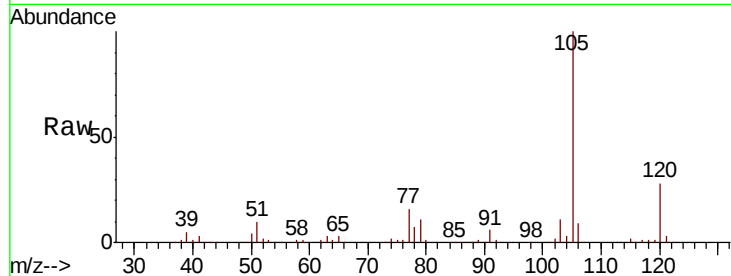
Tot Ion:105 Resp: 254184

Ion Ratio Lower Upper

105 100

120 27.3 21.5 32.3

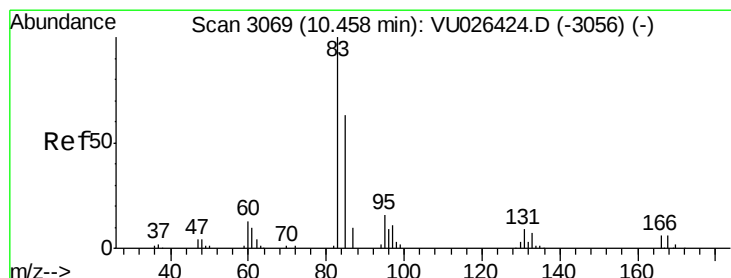
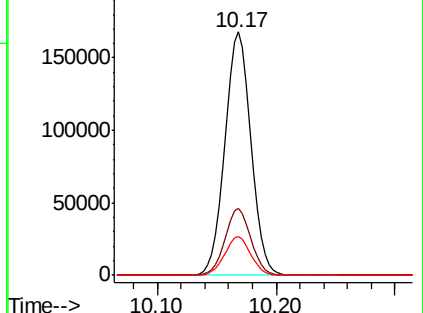
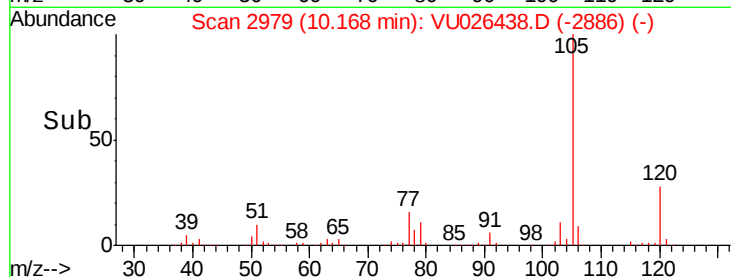
77 15.8 12.9 19.3



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: 52.100 ug/L

RT: 10.46 min Scan# 3070

Delta R.T. 0.00 min

Lab File: VU026438.D

Acq: 30 Aug 2018 10:33

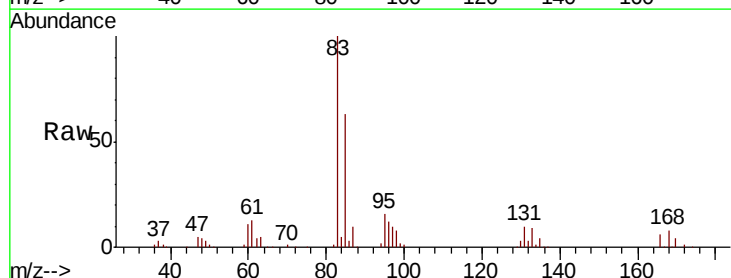
Tgt Ion: 83 Resp: 101821

Ion Ratio Lower Upper

83 100

85 63.4 44.3 82.3

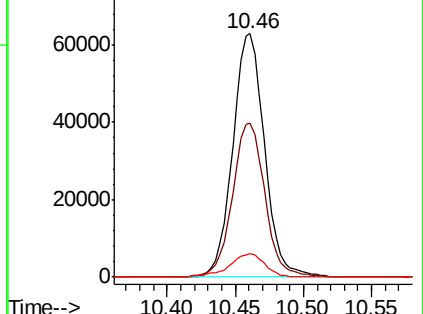
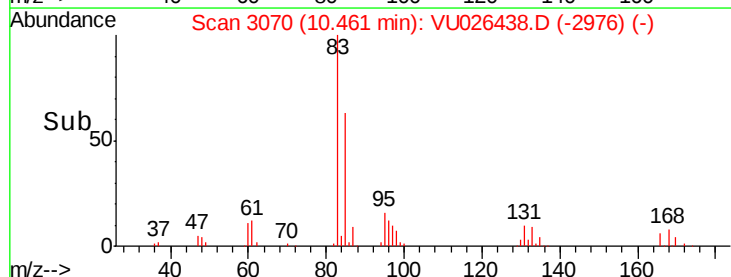
131 9.6 7.8 11.8

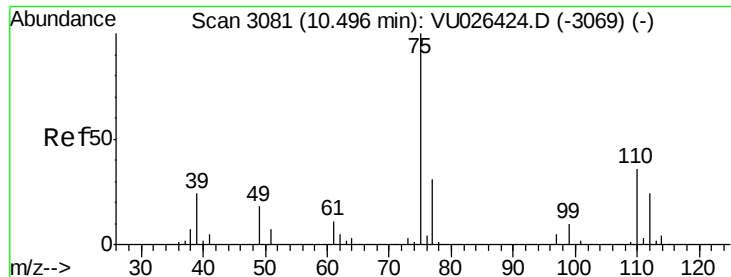


Abundance Ion 83.00 (82.70 to 83.70): V

Ion 85.00 (84.70 to 85.70): V

Ion 131.00 (130.70 to 131.70): V

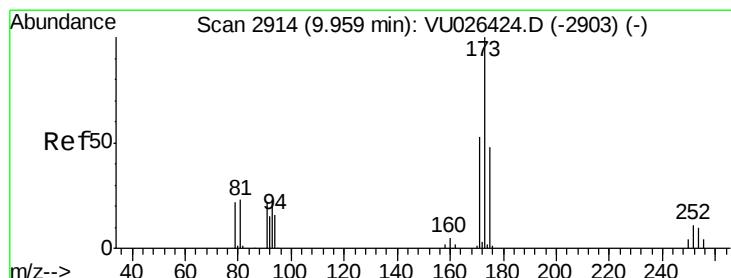
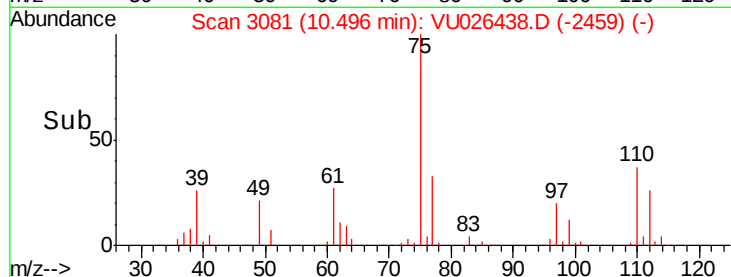
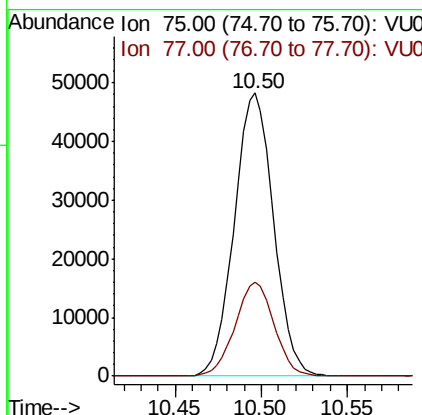
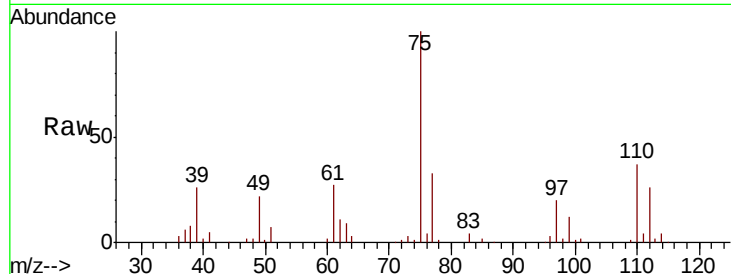




#59
 1,2,3-Trichloropropane
 Concen: 50.581 ug/L
 RT: 10.50 min Scan# 3081
 Delta R.T. -0.00 min
 Lab File: VU026438.D
 Acq: 30 Aug 2018 10:33

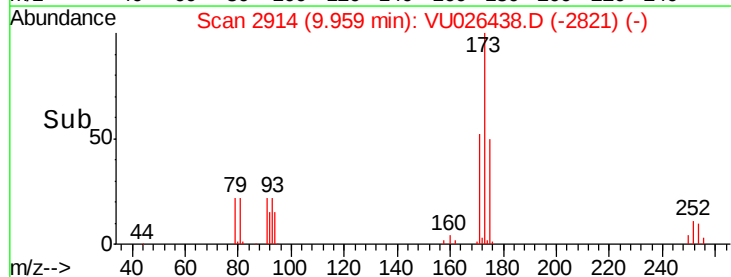
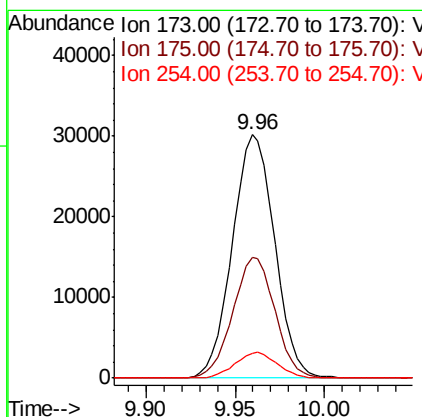
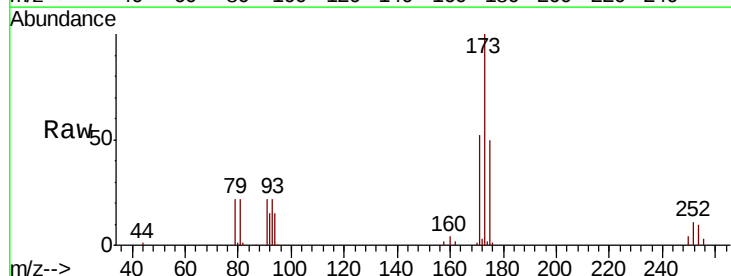
Instrument :
 MSVOA_U
 ClientSampled :

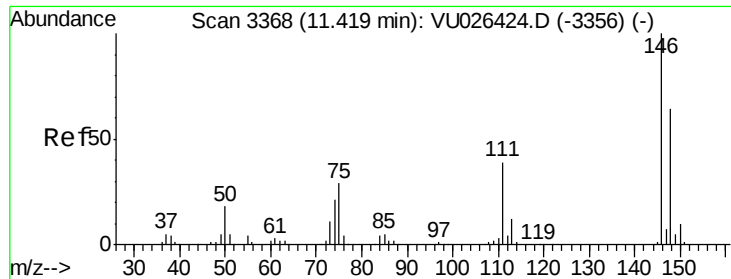
Tot Ion: 75 Resp: 76438
 Ion Ratio Lower Upper
 75 100
 77 32.8 25.0 37.6



#61
 Bromoform
 Concen: 55.309 ug/L
 RT: 9.96 min Scan# 2914
 Delta R.T. -0.00 min
 Lab File: VU026438.D
 Acq: 30 Aug 2018 10:33

Tgt Ion: 173 Resp: 49792
 Ion Ratio Lower Upper
 173 100
 175 49.4 38.5 57.7
 254 10.4 8.1 12.1





#62

1,3-Dichlorobenzene

Concen: 52.477 ug/L

RT: 11.42 min Scan# 3368

Delta R.T. -0.00 min

Lab File: VU026438.D

Acq: 30 Aug 2018 10:33

Instrument :

MSVOA_U

ClientSampleId :

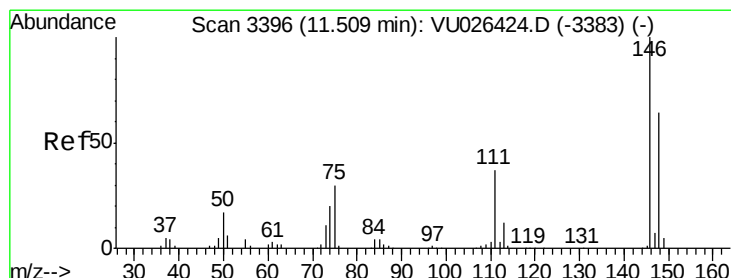
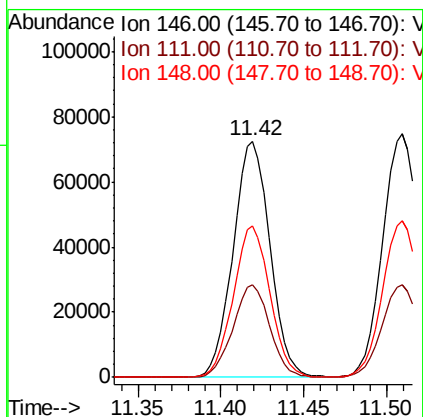
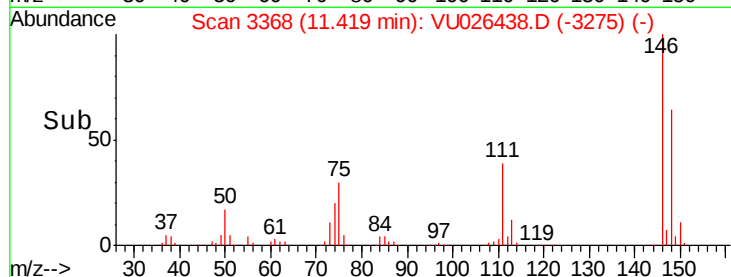
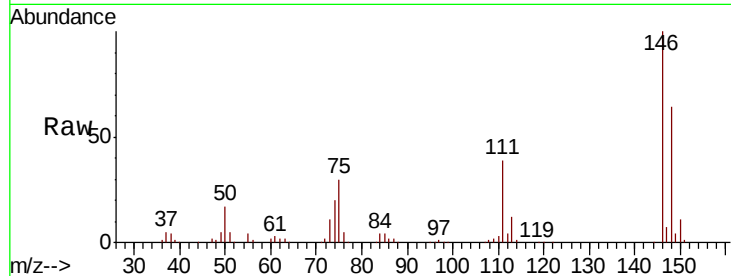
Tot Ion:146 Resp: 112008

Ion Ratio Lower Upper

146 100

111 39.1 27.5 51.1

148 64.2 44.9 83.3



#63

1,4-Dichlorobenzene

Concen: 51.712 ug/L

RT: 11.51 min Scan# 3396

Delta R.T. -0.00 min

Lab File: VU026438.D

Acq: 30 Aug 2018 10:33

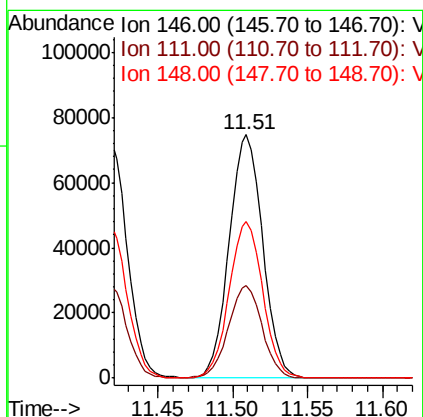
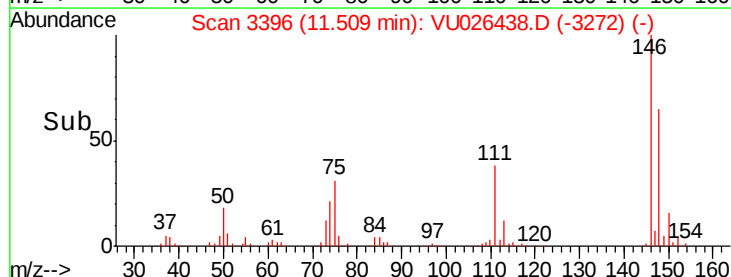
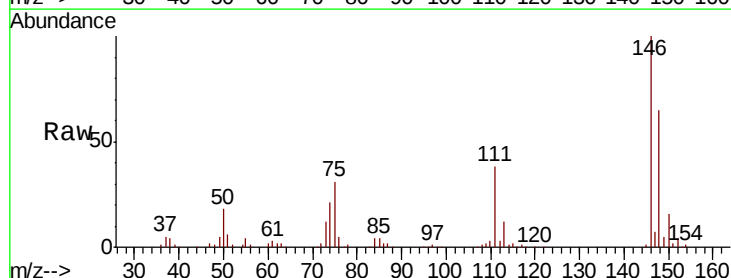
Tgt Ion:146 Resp: 116744

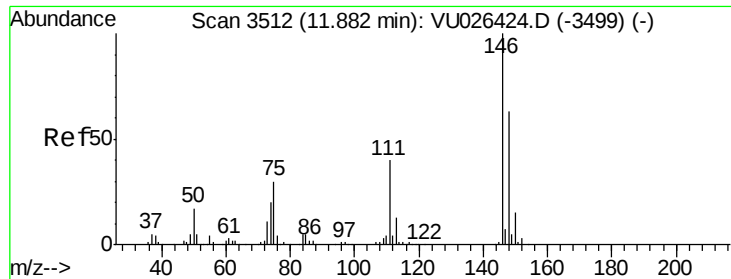
Ion Ratio Lower Upper

146 100

111 38.2 26.2 48.6

148 64.5 44.9 83.5

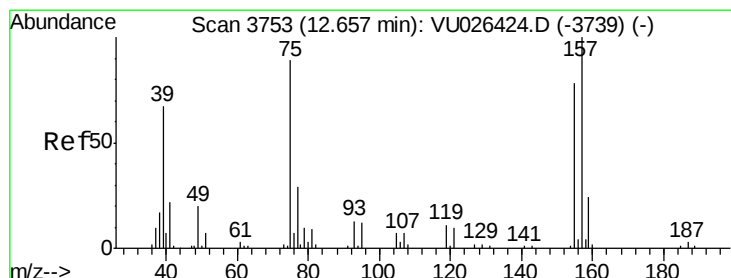
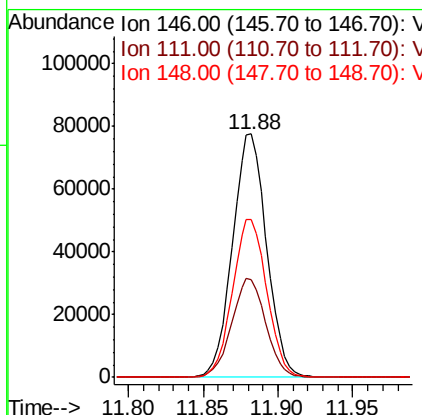
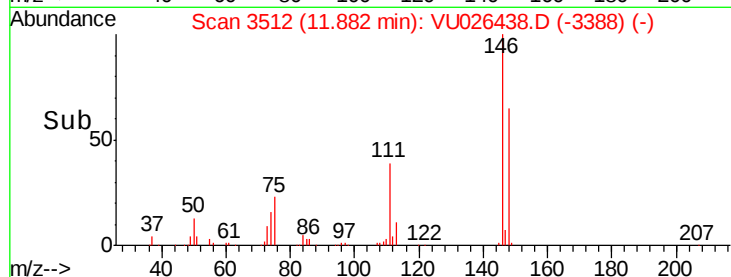
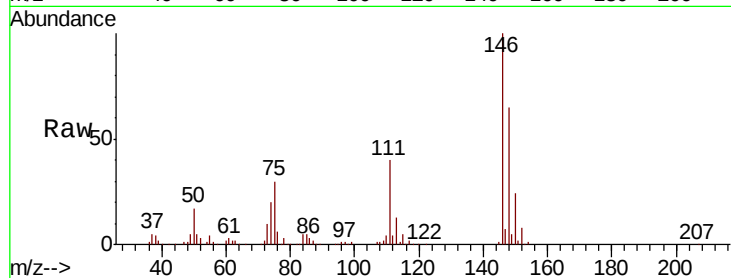




#65
 1,2-Dichlorobenzene
 Concen: 54.708 ug/L
 RT: 11.88 min Scan# 3512
 Delta R.T. -0.00 min
 Lab File: VU026438.D
 Acq: 30 Aug 2018 10:33

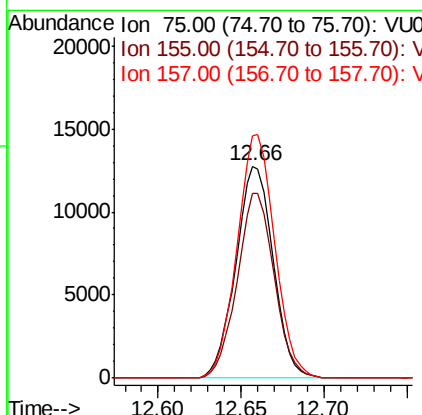
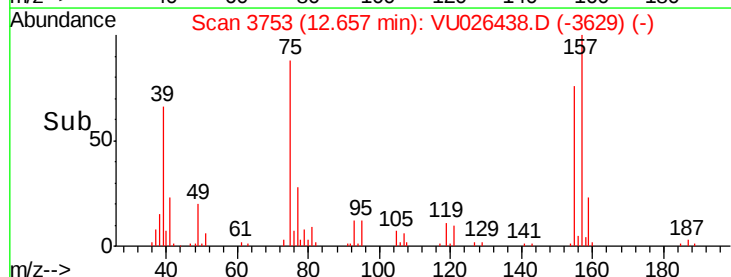
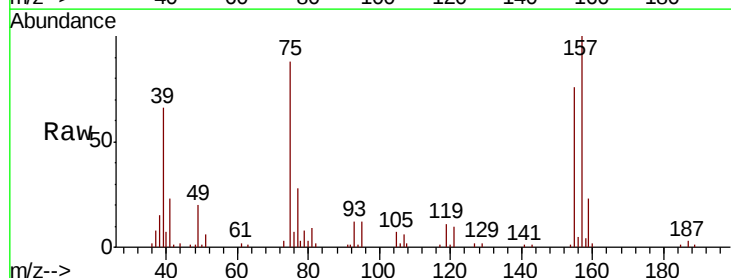
Instrument :
 MSVOA_U
 ClientSampled :

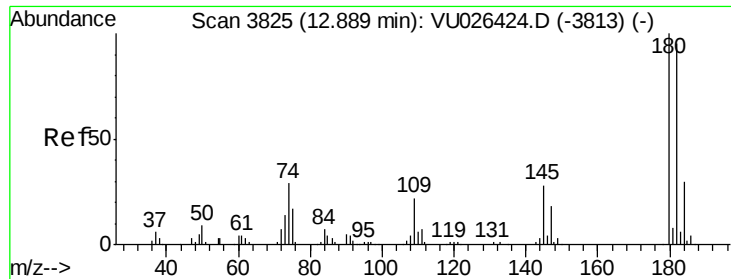
Tot Ion	Ratio	Lower	Upper
146	100		
111	40.1	32.0	48.0
148	64.8	50.2	75.2



#66
 1,2-Dibromo-3-chloropropane
 Concen: 52.917 ug/L
 RT: 12.66 min Scan# 3753
 Delta R.T. -0.00 min
 Lab File: VU026438.D
 Acq: 30 Aug 2018 10:33

Tgt Ion	Ratio	Lower	Upper
75	100		
155	86.9	69.8	104.8
157	114.1	89.8	134.8

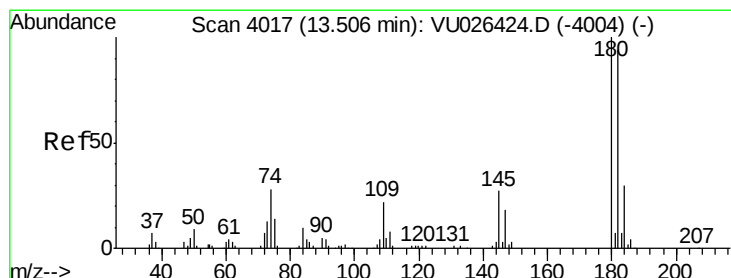
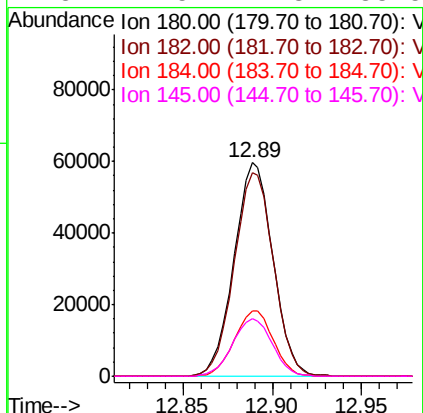
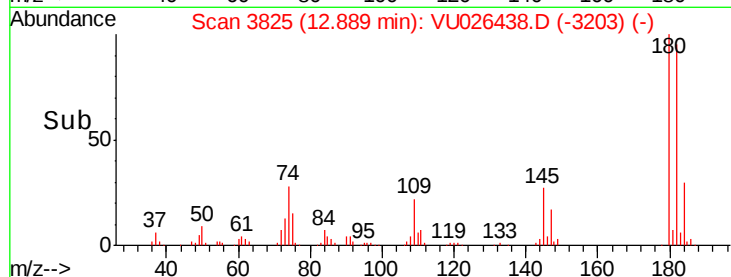
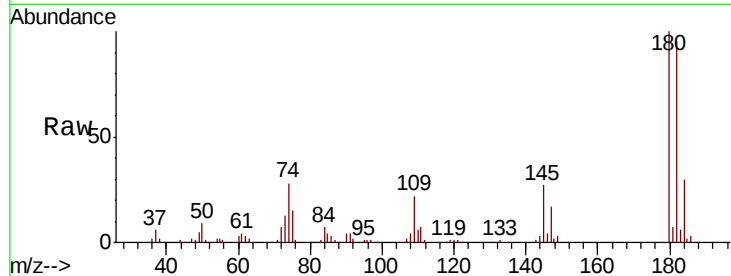




#67
 1,3,5-Trichlorobenzene
 Concen: 52.534 ug/L
 RT: 12.89 min Scan# 3825
 Delta R.T. -0.00 min
 Lab File: VU026438.D
 Acq: 30 Aug 2018 10:33

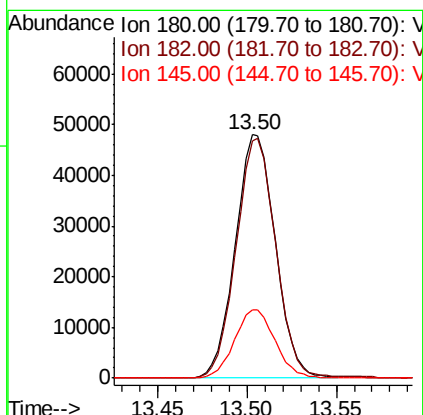
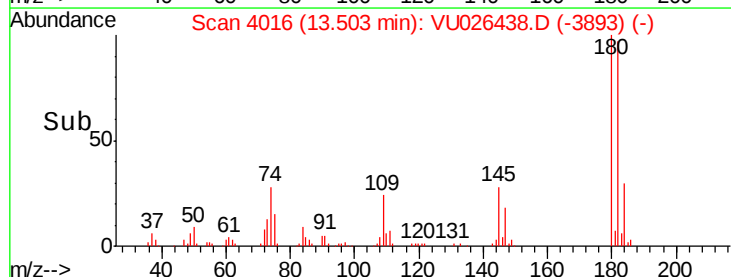
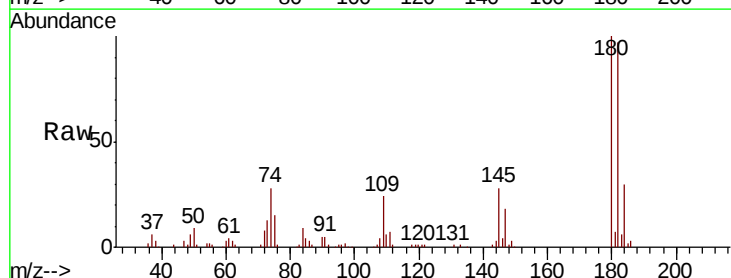
Instrument :
 MSVOA_U
 ClientSampleId :

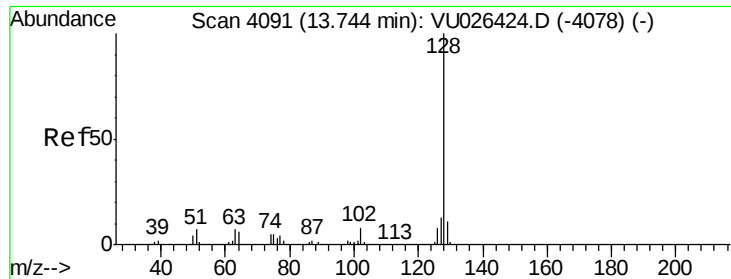
Tot Ion:	180	Resp:	90490
Ion	Ratio	Lower	Upper
180	100		
182	96.2	76.5	114.7
184	30.7	25.0	37.4
145	27.5	22.3	33.5



#68
 1,2,4-trichlorobenzene
 Concen: 49.844 ug/L
 RT: 13.50 min Scan# 4016
 Delta R.T. -0.00 min
 Lab File: VU026438.D
 Acq: 30 Aug 2018 10:33

Tgt Ion:	180	Resp:	74989
Ion	Ratio	Lower	Upper
180	100		
182	97.4	76.6	114.8
145	28.4	22.4	33.6

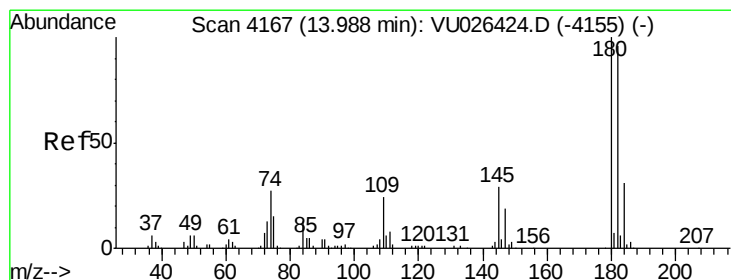
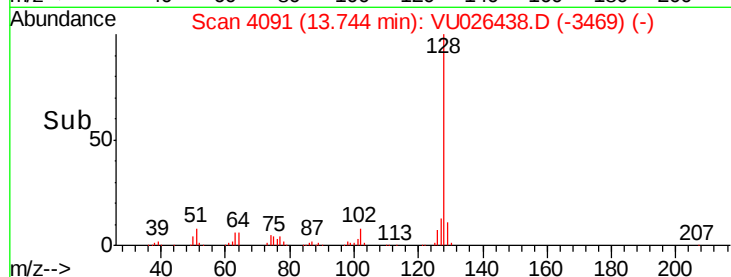
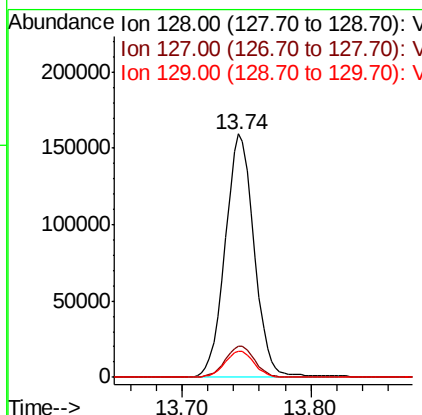
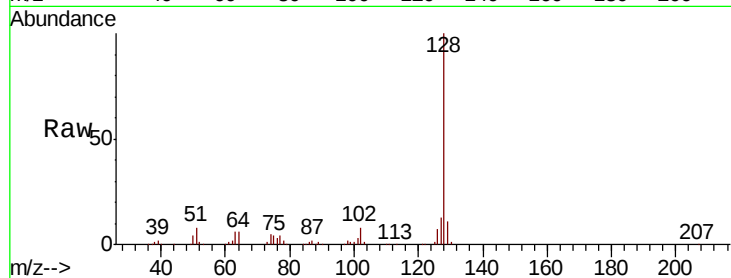




#69
Naphthalene
Concen: 52.902 ug/L
RT: 13.74 min Scan# 4091
Delta R.T. -0.00 min
Lab File: VU026438.D
Acq: 30 Aug 2018 10:33

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion:128 Resp: 248505
Ion Ratio Lower Upper
128 100
127 13.2 10.5 15.7
129 11.0 8.5 12.7



#70
1,2,3-Trichlorobenzene
Concen: 51.834 ug/L
RT: 13.99 min Scan# 4167
Delta R.T. -0.00 min
Lab File: VU026438.D
Acq: 30 Aug 2018 10:33

Tgt Ion:180 Resp: 85629
Ion Ratio Lower Upper
180 100
182 94.6 76.5 114.7
145 30.0 23.9 35.9

