

Data File : VU026156.D
Acq On : 15 Aug 2018 19:10
Operator : MD/SY
Sample : MDL01
Misc : 5.00g/5mL/100uL/5.00mL/MSVOA_U/MEOH
ALS Vial : 28 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
MDL01

Quant Time: Aug 16 04:40:39 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM081518WMA.M
Quant Title : VOC Analysis
QLast Update : Thu Aug 16 04:40:24 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.89	114	284112	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	264128	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.49	152	112794	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	69017	41.37	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	82.74%
7) Chloroethane-d5	1.67	69	59306	43.25	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	86.50%
11) 1,1-Dichloroethene-d2	2.27	63	108770	33.20	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	66.40%
21) 2-Butanone-d5	4.18	46	130979	102.32	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	102.32%
24) Chloroform-d	4.65	84	166094	44.45	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	88.90%
26) 1,2-Dichloroethane-d4	5.31	65	114468	46.81	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	93.62%
32) Benzene-d6	5.34	84	322900	47.42	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.84%
36) 1,2-Dichloropropane-d6	6.33	67	105441	47.10	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	94.20%
41) Toluene-d8	7.57	98	294512	45.18	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	90.36%
43) trans-1,3-Dichloropropene-	7.85	79	48666	45.91	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	91.82%
47) 2-Hexanone-d5	8.31	63	93188	101.60	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	101.60%
57) 1,1,2,2-Tetrachloroethane-	10.44	84	147062	46.67	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	93.34%
64) 1,2-Dichlorobenzene-d4	11.86	152	114539	48.80	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	97.60%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.20	85	4413	1.962 ug/L	94
3) Chloromethane	1.33	50	4891	2.388 ug/L	96
5) Vinyl chloride	1.40	62	4630	2.264 ug/L #	71
6) Bromomethane	1.62	94	2515	2.386 ug/L	93
8) Chloroethane	1.69	64	2659	2.171 ug/L #	79
9) Trichlorofluoromethane	1.88	101	6111	2.023 ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.29	101	4394	2.685 ug/L #	78
12) 1,1-Dichloroethene	2.28	96	3959	2.637 ug/L #	1
13) Acetone	2.33	43	5262	4.492 ug/L	93
14) Carbon disulfide	2.48	76	11187	2.149 ug/L #	89
15) Methyl Acetate	2.62	43	5238	2.577 ug/L #	83
16) Methylene chloride	2.70	84	5284	2.627 ug/L	90
17) trans-1,2-Dichloroethene	2.98	96	3720	2.089 ug/L	93
18) Methyl tert-butyl Ether	3.00	73	11212	1.983 ug/L	97
19) 1,1-Dichloroethane	3.45	63	7352	2.144 ug/L	98
20) cis-1,2-Dichloroethene	4.23	96	4515	2.261 ug/L	75
22) 2-Butanone	4.27	43	5601	3.838 ug/L	99

Data File : VU026156.D
Acq On : 15 Aug 2018 19:10
Operator : MD/SY
Sample : MDL01
Misc : 5.00g/5mL/100uL/5.00mL/MSVOA_U/MEOH
ALS Vial : 28 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
MDL01

Quant Time: Aug 16 04:40:39 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM081518WMA.M
Quant Title : VOC Analysis
QLast Update : Thu Aug 16 04:40:24 2018
Response via : Initial Calibration

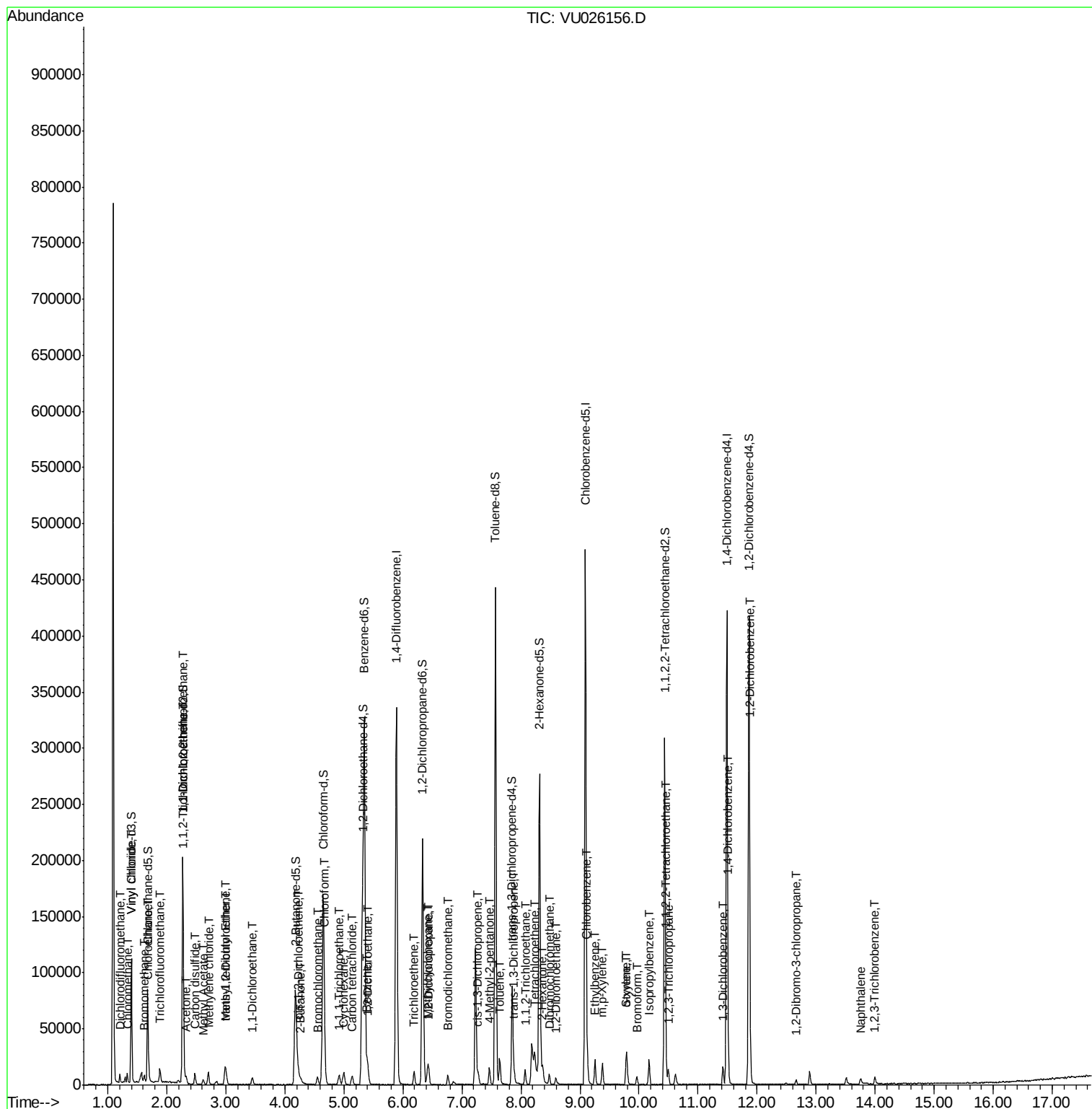
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.55	128	2255	2.089	ug/L #	81
25) Chloroform	4.68	83	9465	2.629	ug/L	100
27) 1,2-Dichloroethane	5.41	62	6757	2.322	ug/L	96
29) Cyclohexane	5.00	56	5357	2.030	ug/L	97
30) 1,1,1-Trichloroethane	4.92	97	7102	2.250	ug/L	99
31) Carbon tetrachloride	5.14	117	5881	2.057	ug/L	98
33) Benzene	5.39	78	15884	2.221	ug/L	100
34) Trichloroethene	6.19	95	4092	2.196	ug/L	91
35) Methylcyclohexane	6.42	83	5129	1.834	ug/L	100
37) 1,2-Dichloropropane	6.44	63	4593	2.299	ug/L #	87
38) Bromodichloromethane	6.76	83	5781	2.186	ug/L	92
39) cis-1,3-Dichloropropene	7.27	75	6054	2.042	ug/L	98
40) 4-Methyl-2-pentanone	7.46	43	10535	4.252	ug/L	95
42) Toluene	7.64	91	16670	2.195	ug/L	92
44) trans-1,3-Dichloropropene	7.89	75	8283	2.899	ug/L	96
45) 1,1,2-Trichloroethane	8.07	97	4011	2.118	ug/L	97
46) Tetrachloroethene	8.23	164	3443	2.143	ug/L	92
48) 2-Hexanone	8.36	43	9530	4.909	ug/L #	97
49) Dibromochloromethane	8.48	129	4781	2.096	ug/L	94
50) 1,2-Dibromoethane	8.59	107	4247	2.160	ug/L #	93
51) Chlorobenzene	9.12	112	10926	2.105	ug/L	99
52) Ethylbenzene	9.25	91	15375	1.858	ug/L	95
53) m,p-Xylene	9.38	106	5606	1.758	ug/L	96
54) o-xylene	9.78	106	5941	1.867	ug/L	85
55) Styrene	9.80	104	8683	1.639	ug/L	94
56) Isopropylbenzene	10.17	105	14177	1.736	ug/L	98
58) 1,1,2,2-Tetrachloroethane	10.46	83	7571	2.394	ug/L	99
59) 1,2,3-Trichloropropane	10.50	75	5657	2.299	ug/L	98
61) Bromoform	9.96	173	3330	2.258	ug/L #	97
62) 1,3-Dichlorobenzene	11.42	146	6732	1.992	ug/L	94
63) 1,4-Dichlorobenzene	11.51	146	7288	2.091	ug/L	86
65) 1,2-Dichlorobenzene	11.88	146	8336	2.308	ug/L	89
66) 1,2-Dibromo-3-chloropropan	12.66	75	1179	2.058	ug/L #	84
69) Naphthalene	13.75	128	6947	1.291	ug/L #	89
70) 1,2,3-Trichlorobenzene	13.99	180	2749	1.356	ug/L #	75

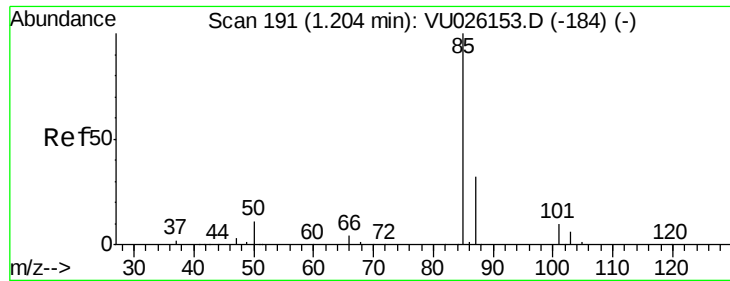
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data File : VU026156.D
Acq On : 15 Aug 2018 19:10
Operator : MD/SY
Sample : MDL01
Misc : 5.00g/5mL/100uL/5.00mL/MSVOA_U/MEOH
ALS Vial : 28 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
MDL01

Quant Time: Aug 16 04:40:39 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM081518WMA.M
Quant Title : VOC Analysis
QLast Update : Thu Aug 16 04:40:24 2018
Response via : Initial Calibration





#2

Dichlorodifluoromethane

Concen: 1.962 ug/L

RT: 1.20 min Scan# 191

Delta R.T. -0.00 min

Lab File: VU026156.D

Acq: 15 Aug 2018 19:10

Instrument :

MSVOA_U

ClientSampleId :

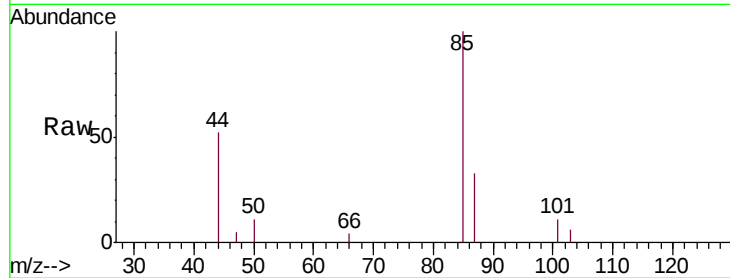
MDL01

Tgt Ion: 85 Resp: 4413

Ion Ratio Lower Upper

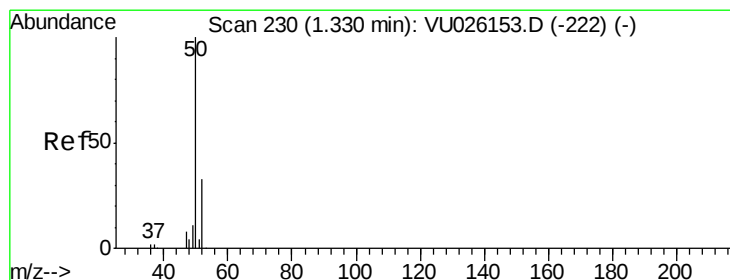
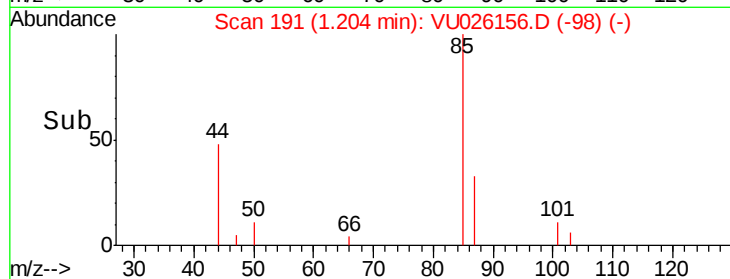
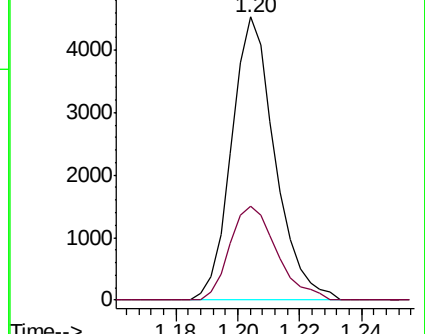
85 100

87 36.1 26.1 39.1



Abundance Ion 85.00 (84.70 to 85.70): VU0

Ion 87.00 (86.70 to 87.70): VU0



#3

Chloromethane

Concen: 2.388 ug/L

RT: 1.33 min Scan# 230

Delta R.T. -0.00 min

Lab File: VU026156.D

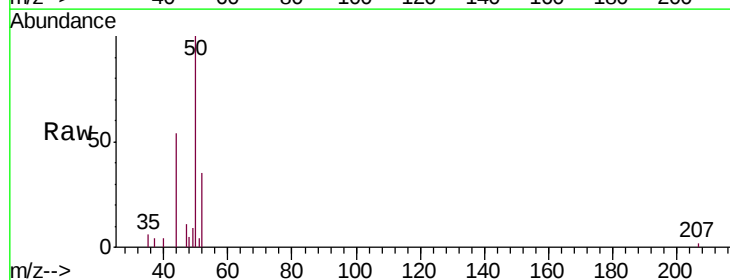
Acq: 15 Aug 2018 19:10

Tgt Ion: 50 Resp: 4891

Ion Ratio Lower Upper

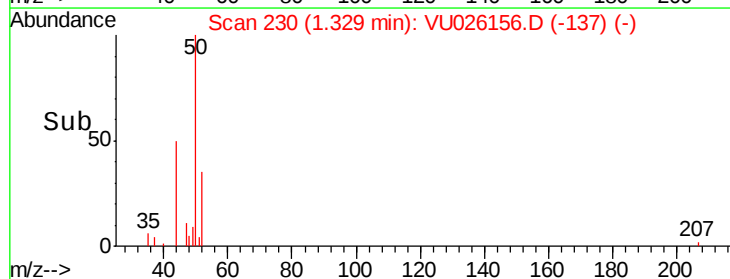
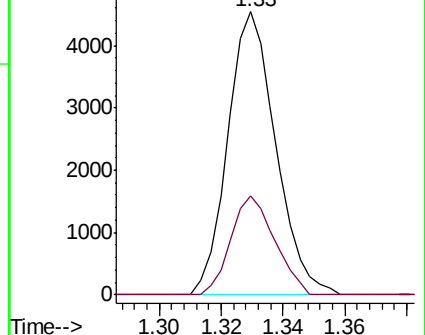
50 100

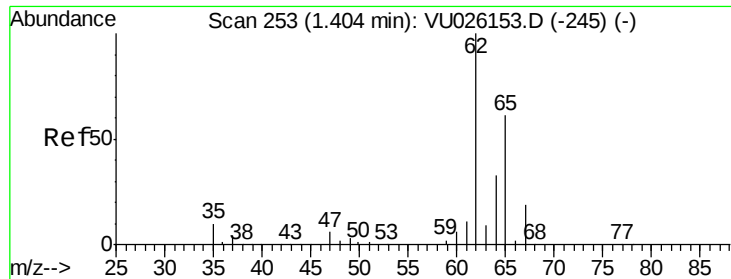
52 35.1 23.0 42.8



Abundance Ion 50.00 (49.70 to 50.70): VU0

Ion 52.00 (51.70 to 52.70): VU0





#5

Vinyl chloride

Concen: 2.264 ug/L

RT: 1.40 min Scan# 253

Delta R.T. -0.00 min

Lab File: VU026156.D

Acq: 15 Aug 2018 19:10

Instrument :

MSVOA_U

ClientSampleId :

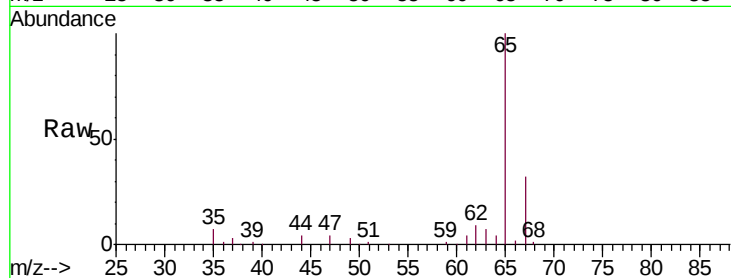
MDL01

Tgt Ion: 62 Resp: 4630

Ion Ratio Lower Upper

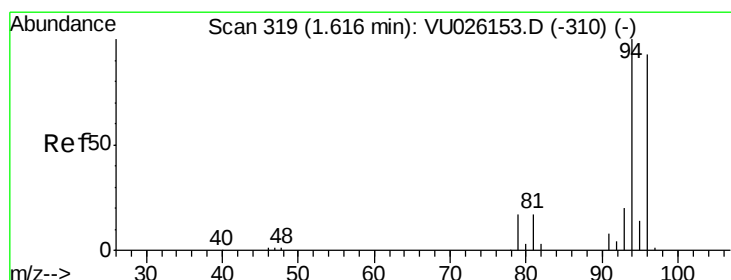
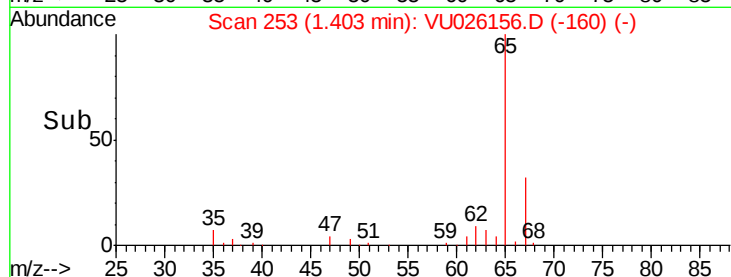
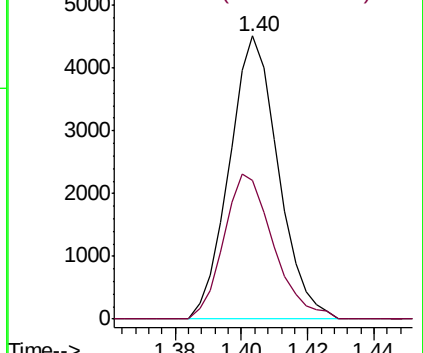
62 100

64 49.0 23.0 42.8#



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 64.00 (63.70 to 64.70): VU0



#6

Bromomethane

Concen: 2.386 ug/L

RT: 1.62 min Scan# 320

Delta R.T. 0.00 min

Lab File: VU026156.D

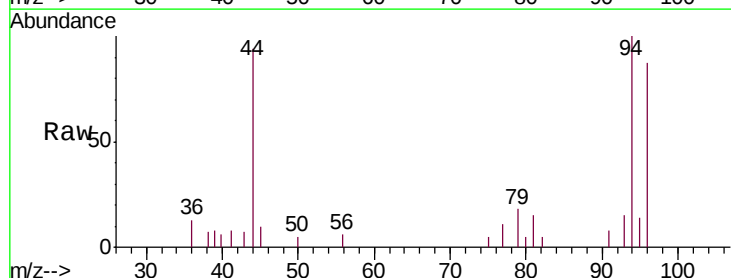
Acq: 15 Aug 2018 19:10

Tgt Ion: 94 Resp: 2515

Ion Ratio Lower Upper

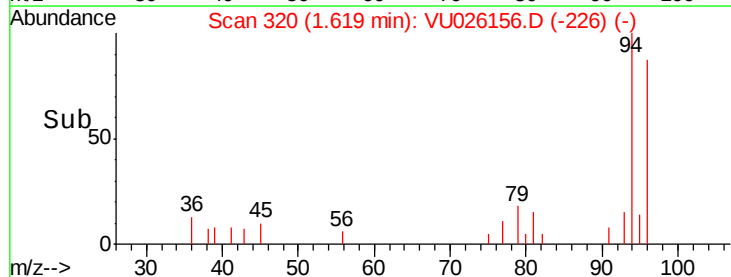
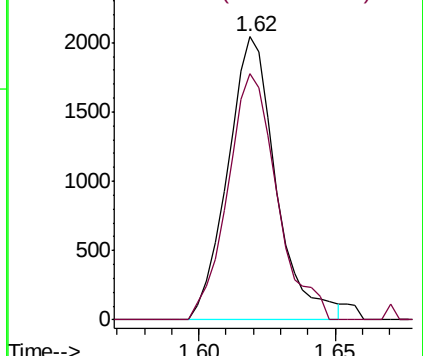
94 100

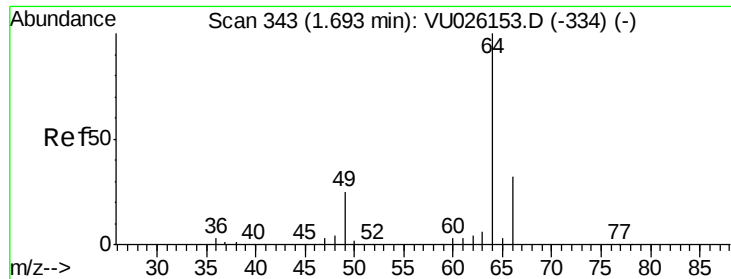
96 87.0 65.9 122.5



Abundance Ion 94.00 (93.70 to 94.70): VU0

Ion 96.00 (95.70 to 96.70): VU0

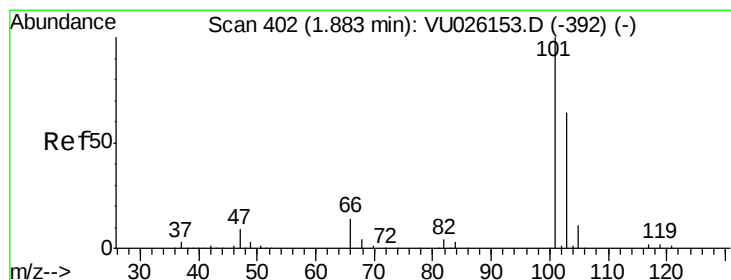
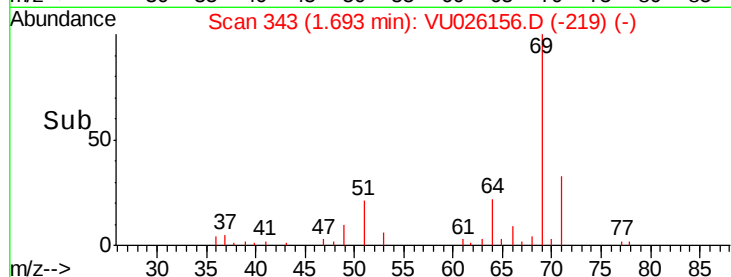
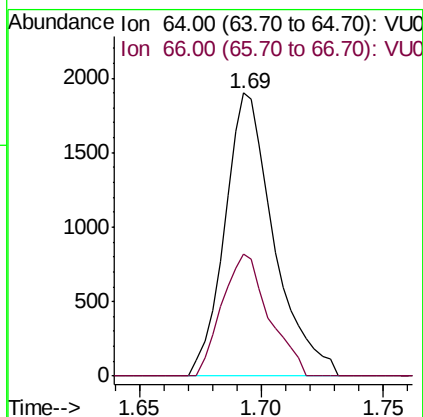
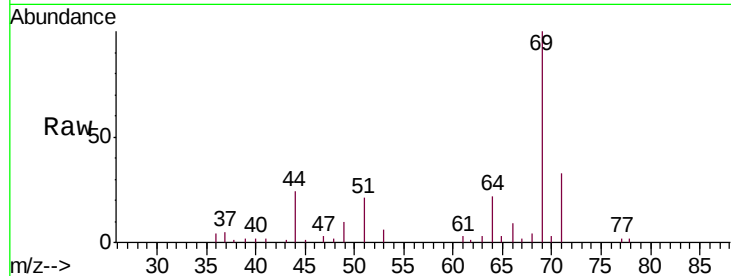




#8
Chloroethane
Concen: 2.171 ug/L
RT: 1.69 min Scan# 343
Delta R.T. -0.00 min
Lab File: VU026156.D
Acq: 15 Aug 2018 19:10

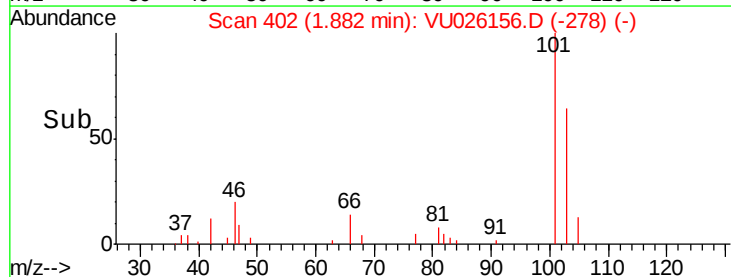
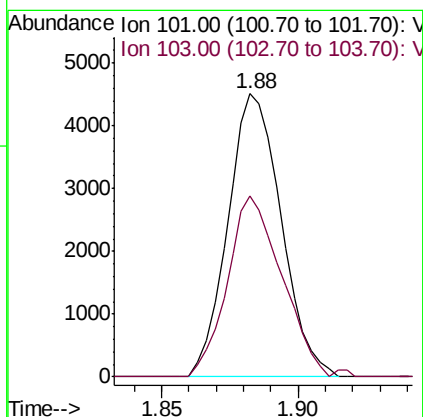
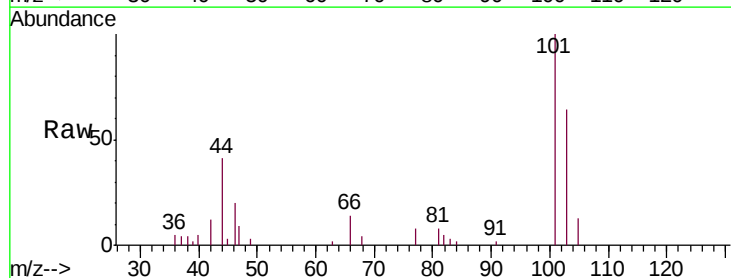
Instrument :
MSVOA_U
ClientSampleId :
MDL01

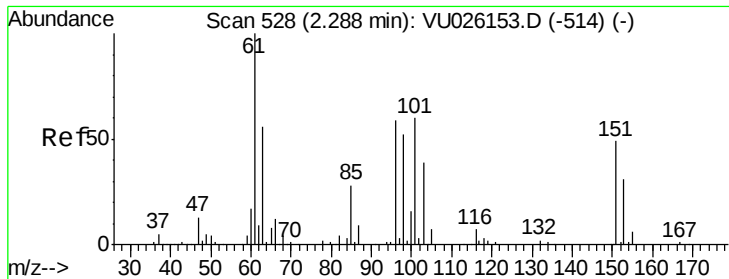
Tgt Ion: 64 Resp: 2659
Ion Ratio Lower Upper
64 100
66 43.1 22.2 41.2#



#9
Trichlorofluoromethane
Concen: 2.023 ug/L
RT: 1.88 min Scan# 402
Delta R.T. -0.00 min
Lab File: VU026156.D
Acq: 15 Aug 2018 19:10

Tgt Ion: 101 Resp: 6111
Ion Ratio Lower Upper
101 100
103 65.1 51.4 77.2





#10

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

Concen: 2.685 ug/L

RT: 2.29 min Scan# 528

Delta R.T. -0.00 min

Lab File: VU026156.D

Acq: 15 Aug 2018 19:10

Instrument :

MSVOA_U

ClientSampleId :

MDL01

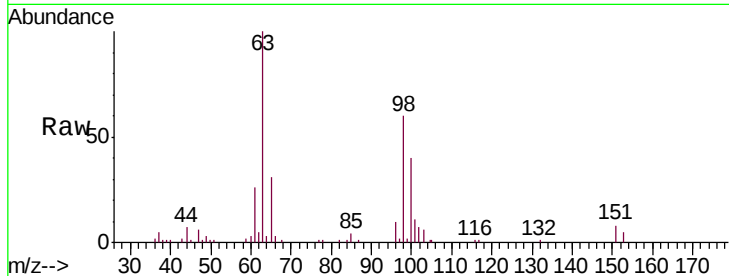
Tgt Ion:101 Resp: 4394

Ion Ratio Lower Upper

101 100

85 32.1 36.6 55.0#

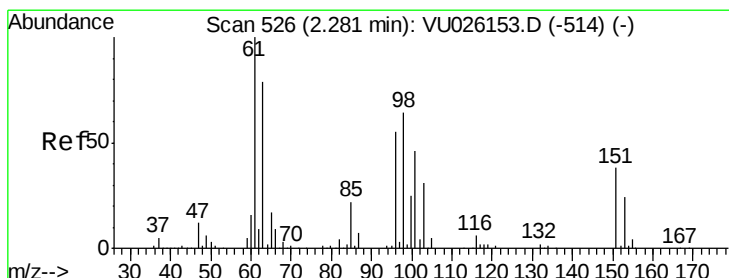
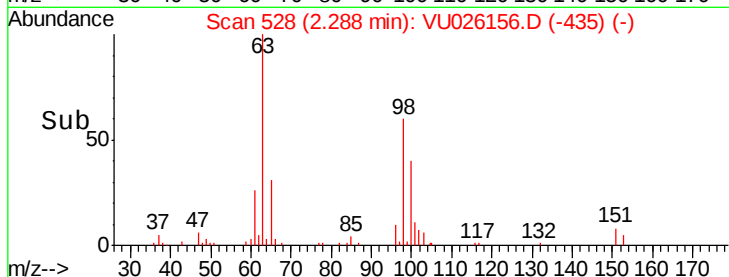
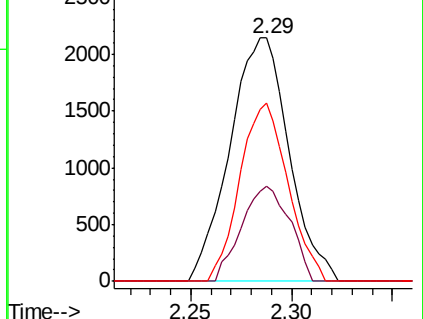
151 59.6 63.8 95.8#



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: 2.637 ug/L

RT: 2.28 min Scan# 526

Delta R.T. -0.00 min

Lab File: VU026156.D

Acq: 15 Aug 2018 19:10

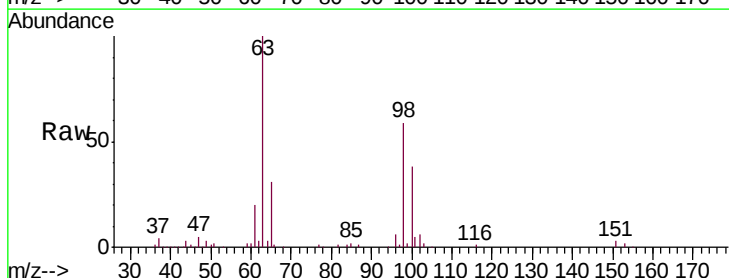
Tgt Ion: 96 Resp: 3959

Ion Ratio Lower Upper

96 100

61 343.7 126.8 235.4#

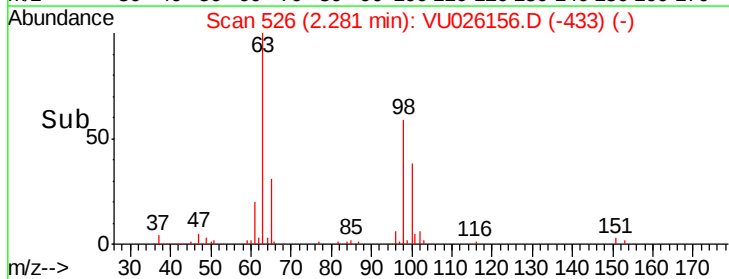
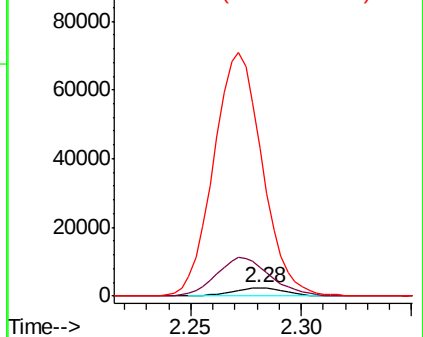
63 1754.5 97.0 180.2#

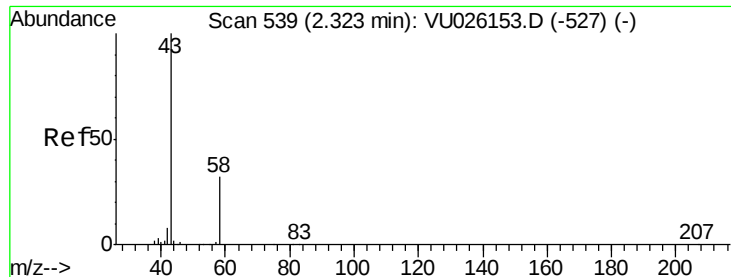


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 4.492 ug/L

RT: 2.33 min Scan# 540

Delta R.T. 0.00 min

Lab File: VU026156.D

Acq: 15 Aug 2018 19:10

Instrument :

MSVOA_U

ClientSampleId :

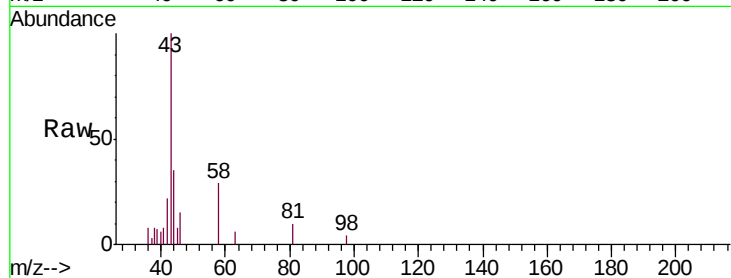
MDL01

Tgt Ion: 43 Resp: 5262

Ion Ratio Lower Upper

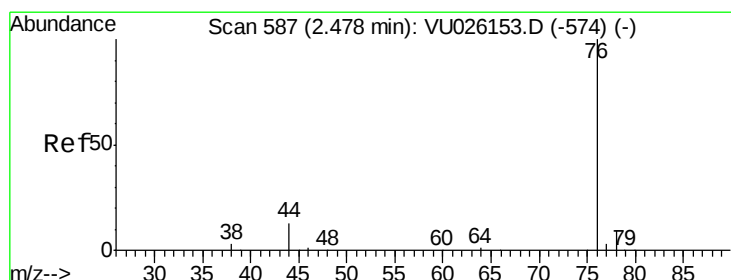
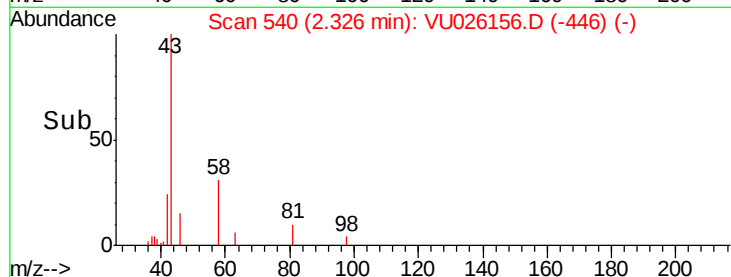
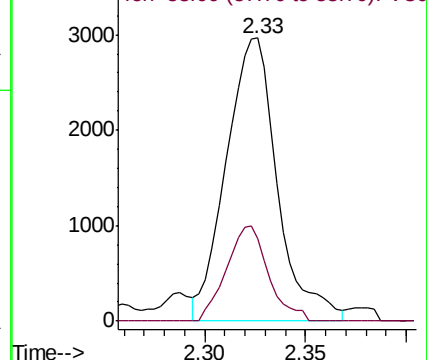
43 100

58 27.5 0.0 62.6



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0



#14

Carbon disulfide

Concen: 2.149 ug/L

RT: 2.48 min Scan# 587

Delta R.T. -0.00 min

Lab File: VU026156.D

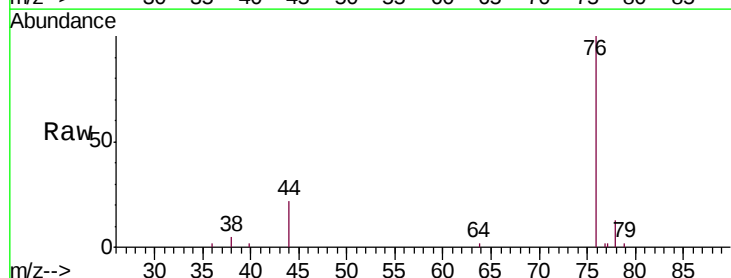
Acq: 15 Aug 2018 19:10

Tgt Ion: 76 Resp: 11187

Ion Ratio Lower Upper

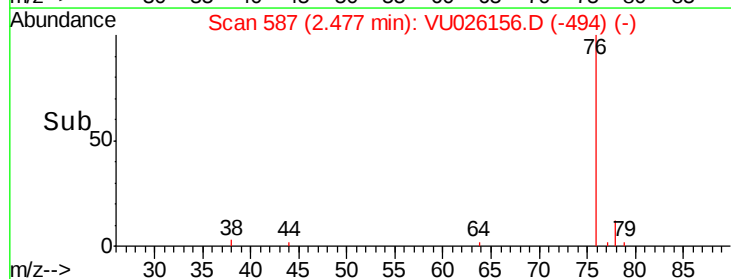
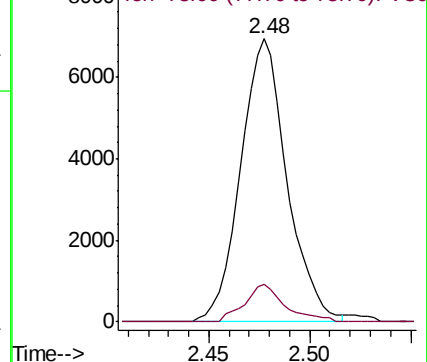
76 100

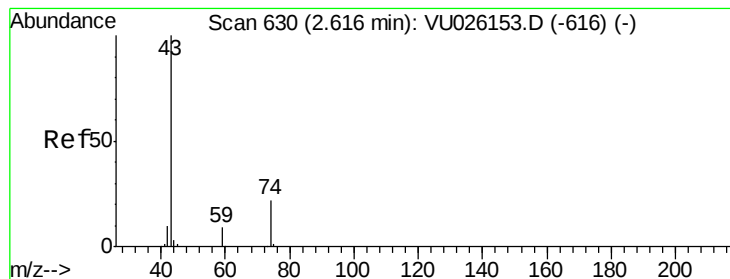
78 13.4 7.4 11.2#



Abundance Ion 76.00 (75.70 to 76.70): VU0

Ion 78.00 (77.70 to 78.70): VU0





#15

Methyl Acetate

Concen: 2.577 ug/L

RT: 2.62 min Scan# 630

Delta R.T. -0.00 min

Lab File: VU026156.D

Acq: 15 Aug 2018 19:10

Instrument :

MSVOA_U

ClientSampleId :

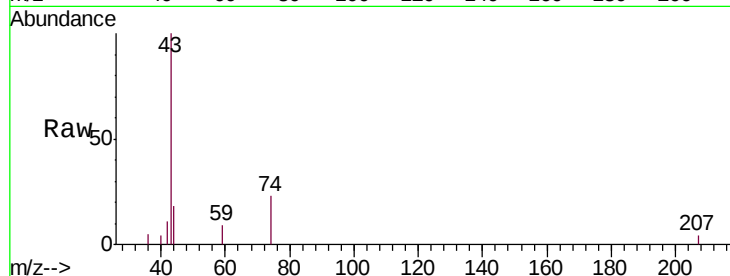
MDL01

Tgt Ion: 43 Resp: 5238

Ion Ratio Lower Upper

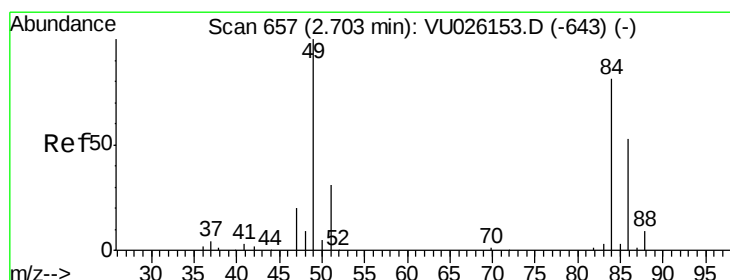
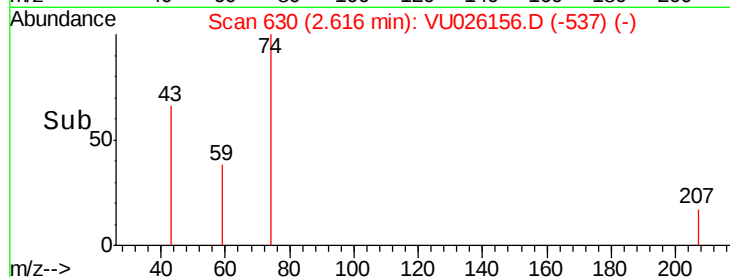
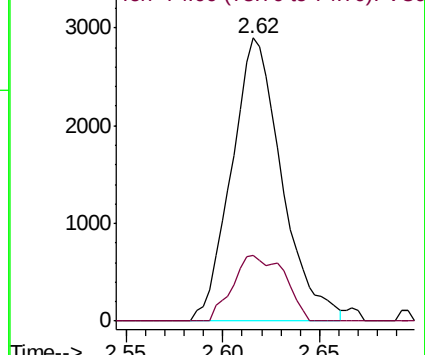
43 100

74 15.0 18.6 28.0#



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 74.00 (73.70 to 74.70): VU0



#16

Methylene chloride

Concen: 2.627 ug/L

RT: 2.70 min Scan# 657

Delta R.T. -0.00 min

Lab File: VU026156.D

Acq: 15 Aug 2018 19:10

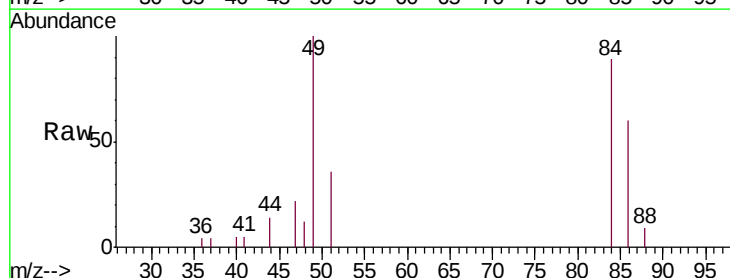
Tgt Ion: 84 Resp: 5284

Ion Ratio Lower Upper

84 100

86 67.2 44.0 81.6

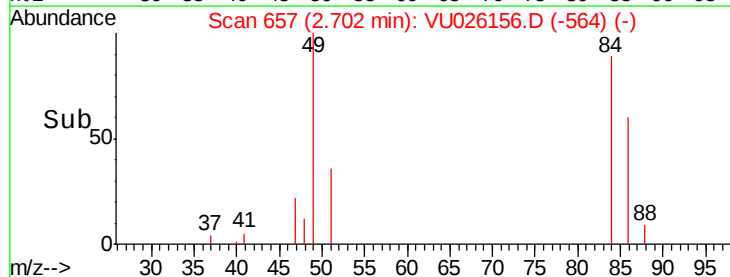
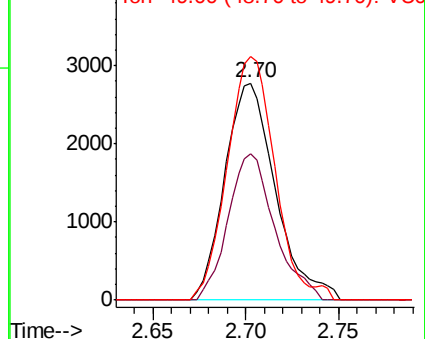
49 112.1 87.7 162.9

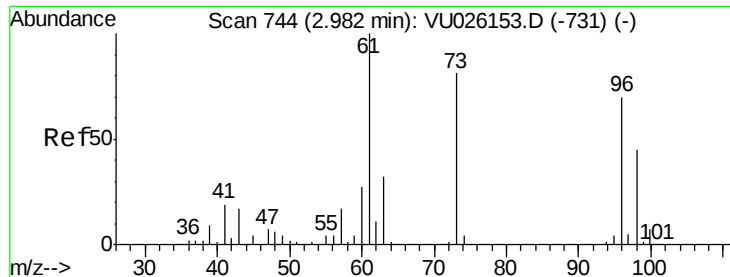


Abundance Ion 84.00 (83.70 to 84.70): VU0

Ion 86.00 (85.70 to 86.70): VU0

Ion 49.00 (48.70 to 49.70): VU0





#17

trans-1,2-Dichloroethene

Concen: 2.089 ug/L

RT: 2.98 min Scan# 744

Delta R.T. -0.00 min

Lab File: VU026156.D

Acq: 15 Aug 2018 19:10

Instrument :

MSVOA_U

ClientSampleId :

MDL01

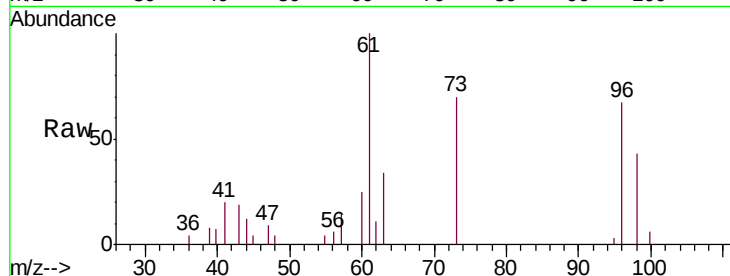
Tgt Ion: 96 Resp: 3720

Ion Ratio Lower Upper

96 100

61 148.8 96.7 179.5

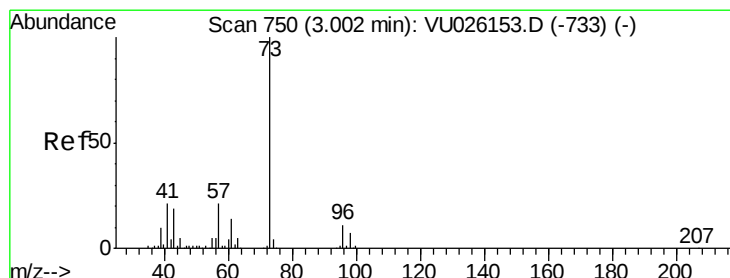
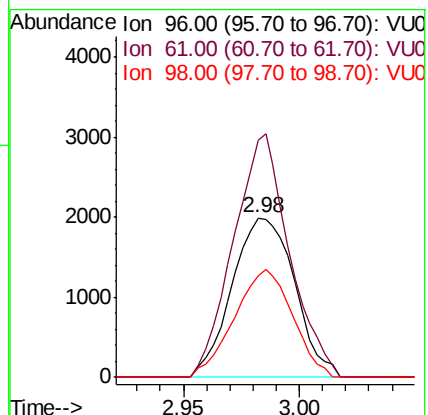
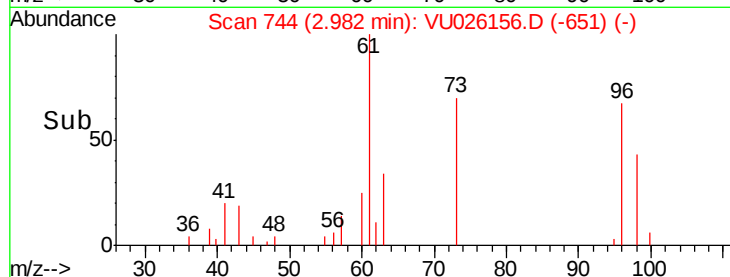
98 63.8 43.6 81.0



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: 1.983 ug/L

RT: 3.00 min Scan# 750

Delta R.T. -0.00 min

Lab File: VU026156.D

Acq: 15 Aug 2018 19:10

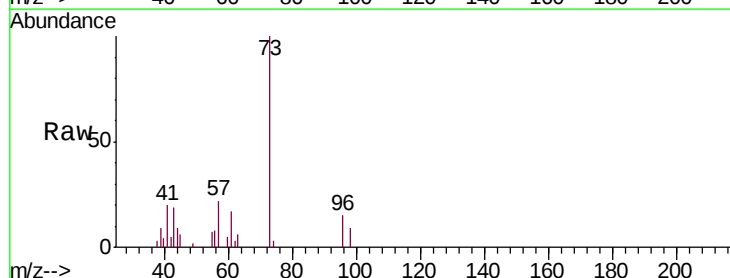
Tgt Ion: 73 Resp: 11212

Ion Ratio Lower Upper

73 100

43 23.0 16.2 24.4

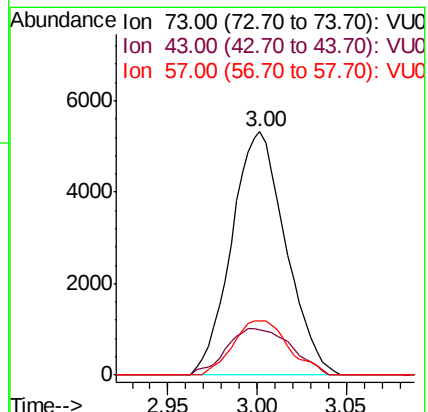
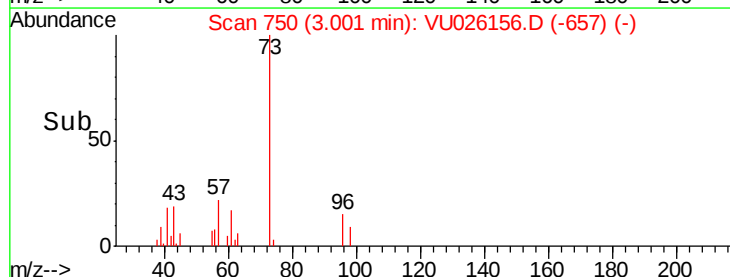
57 22.9 18.2 27.2

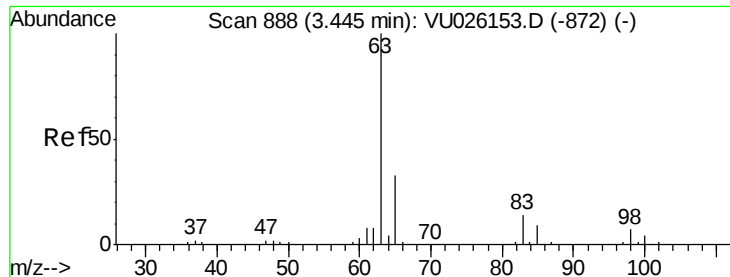


Abundance Ion 73.00 (72.70 to 73.70): VU0

Ion 43.00 (42.70 to 43.70): VU0

Ion 57.00 (56.70 to 57.70): VU0

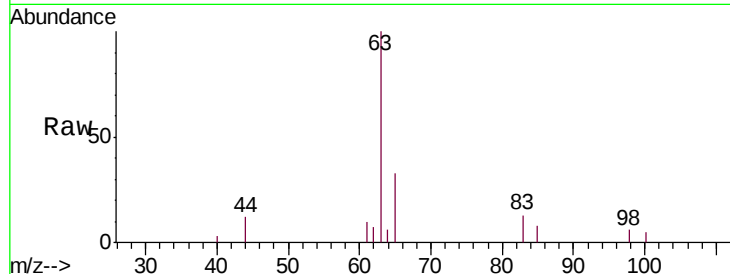




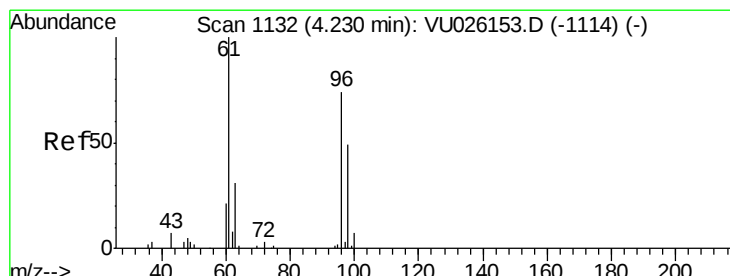
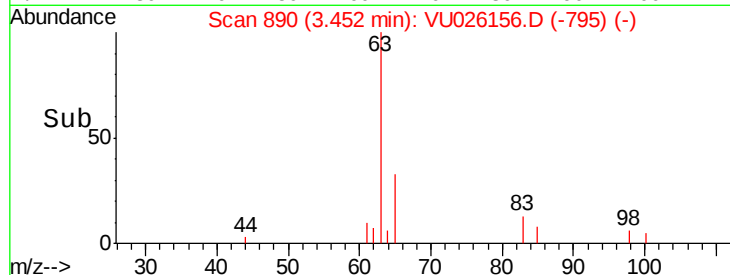
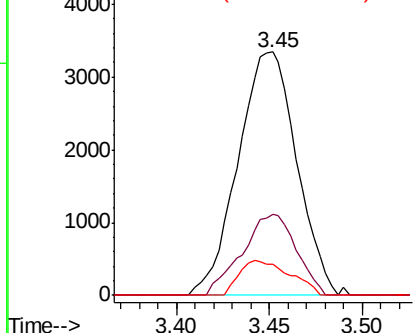
#19
 1,1-Dichloroethane
 Concen: 2.144 ug/L
 RT: 3.45 min Scan# 890
 Delta R.T. 0.01 min
 Lab File: VU026156.D
 Acq: 15 Aug 2018 19:10

Instrument :
 MSVOA_U
 ClientSampleId :
 MDL01

Tgt Ion: 63 Resp: 7352
 Ion Ratio Lower Upper
 63 100
 65 33.1 22.1 41.1
 83 12.6 9.4 17.4

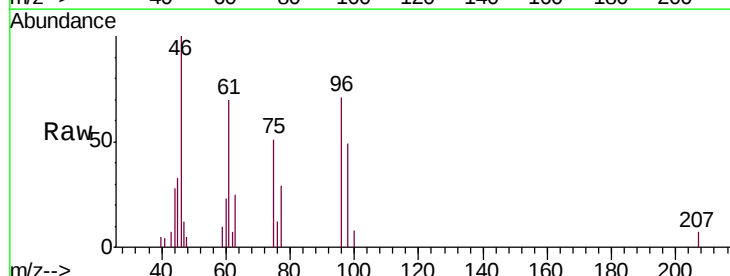


Abundance Ion 63.00 (62.70 to 63.70): VU0
 Ion 65.00 (64.70 to 65.70): VU0
 Ion 83.00 (82.70 to 83.70): VU0

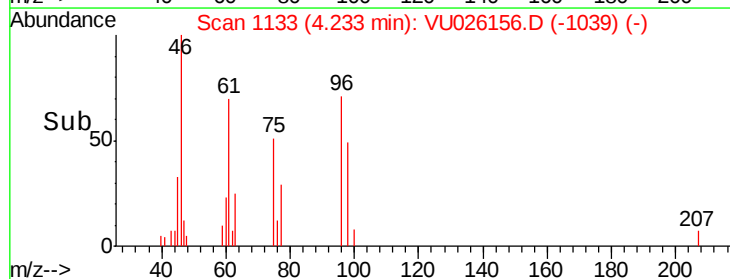
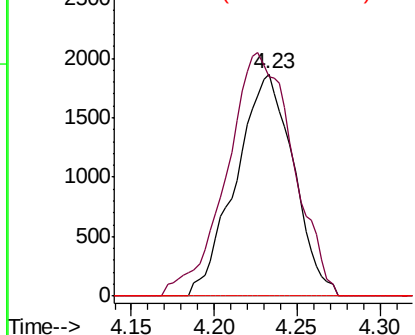


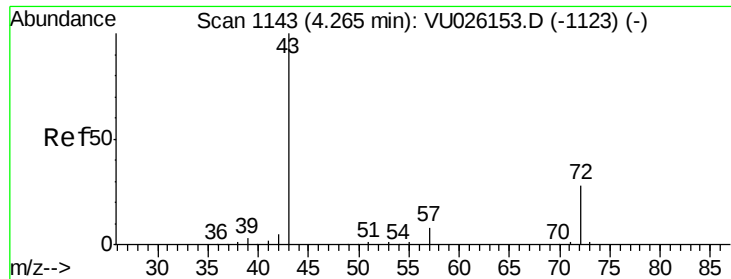
#20
 cis-1,2-Dichloroethene
 Concen: 2.261 ug/L
 RT: 4.23 min Scan# 1133
 Delta R.T. 0.00 min
 Lab File: VU026156.D
 Acq: 15 Aug 2018 19:10

Tgt Ion: 96 Resp: 4515
 Ion Ratio Lower Upper
 96 100
 61 98.4 88.6 164.6
 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: 3.838 ug/L

RT: 4.27 min Scan# 1146

Delta R.T. 0.01 min

Lab File: VU026156.D

Acq: 15 Aug 2018 19:10

Instrument :

MSVOA_U

ClientSampled :

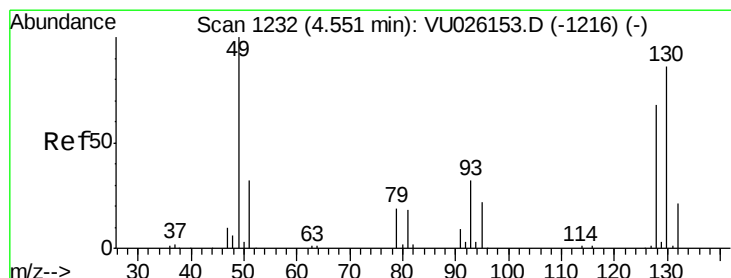
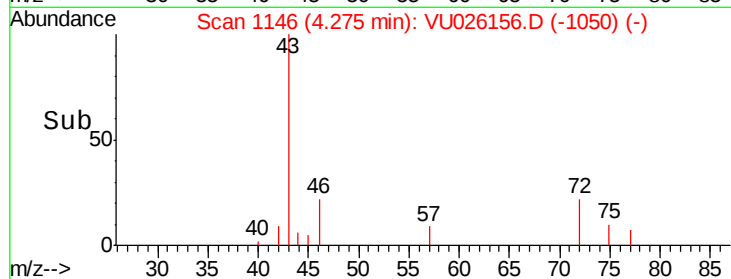
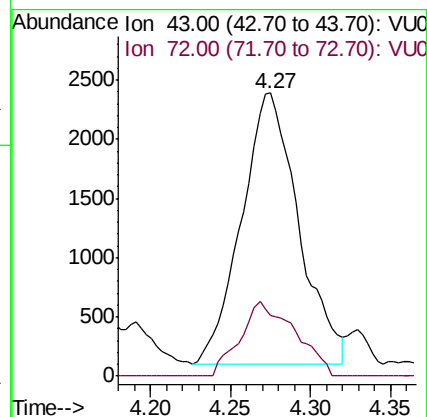
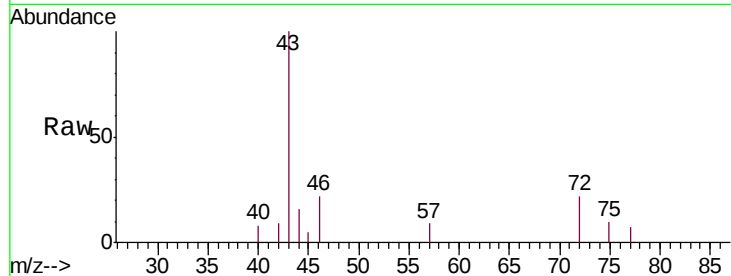
MDL01

Tgt Ion: 43 Resp: 5601

Ion Ratio Lower Upper

43 100

72 26.4 13.4 40.1



#23

Bromochloromethane

Concen: 2.089 ug/L

RT: 4.55 min Scan# 1232

Delta R.T. -0.00 min

Lab File: VU026156.D

Acq: 15 Aug 2018 19:10

Tgt Ion: 128 Resp: 2255

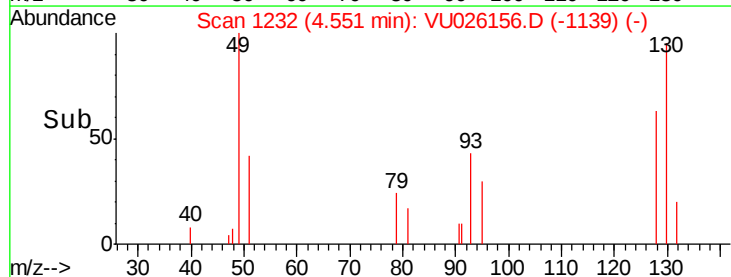
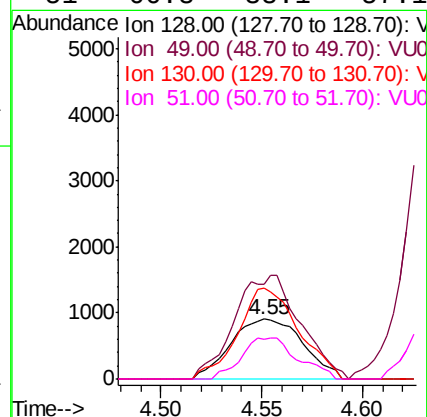
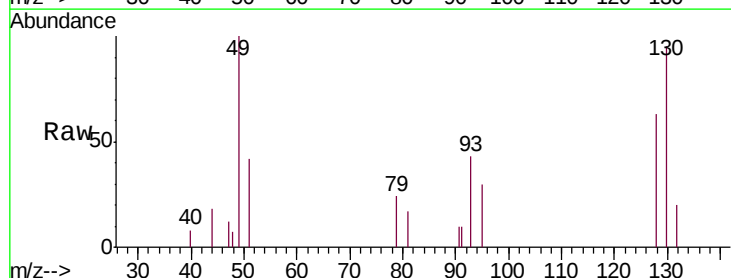
Ion Ratio Lower Upper

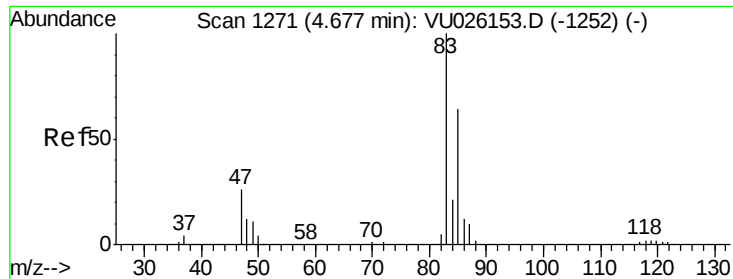
128 100

49 158.7 101.3 188.1

130 150.8 86.4 160.4

51 66.8 38.1 57.1#

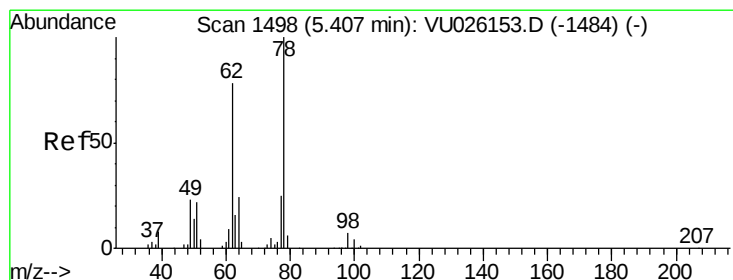
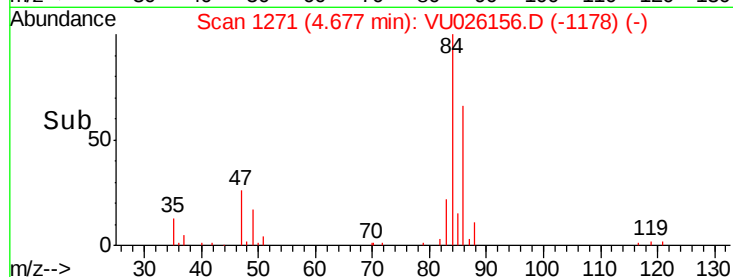
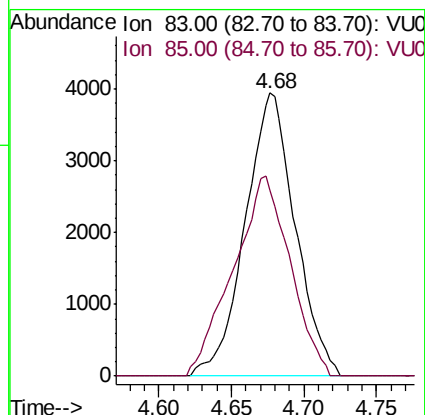
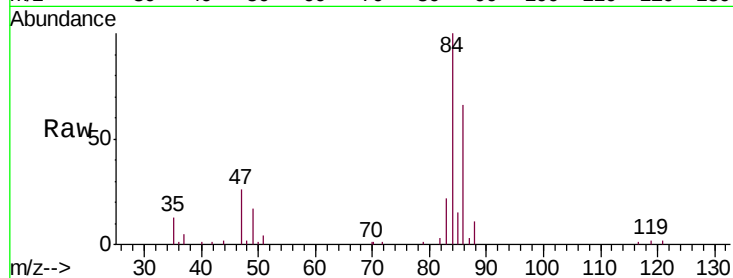




#25
Chloroform
Concen: 2.629 ug/L
RT: 4.68 min Scan# 1271
Delta R.T. -0.00 min
Lab File: VU026156.D
Acq: 15 Aug 2018 19:10

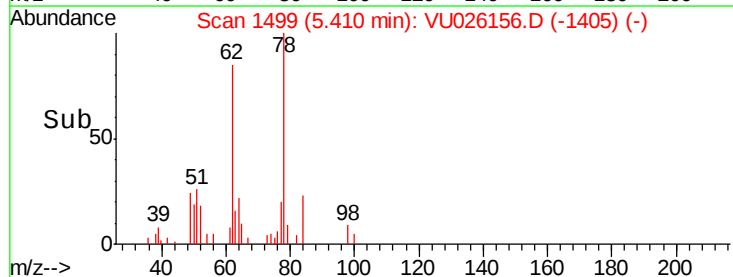
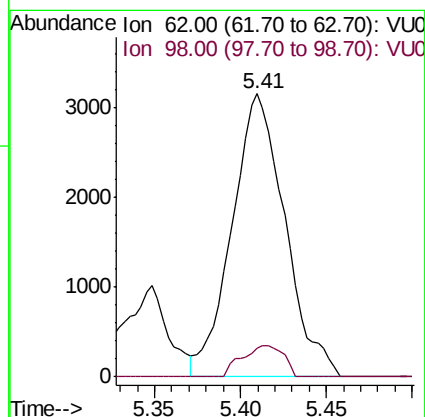
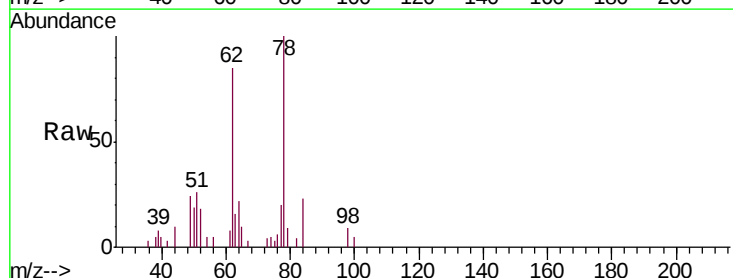
Instrument :
MSVOA_U
ClientSampled :
MDL01

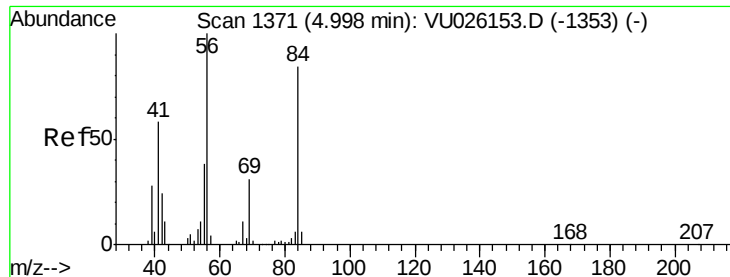
Tgt Ion: 83 Resp: 9465
Ion Ratio Lower Upper
83 100
85 65.9 46.3 86.1



#27
1,2-Dichloroethane
Concen: 2.322 ug/L
RT: 5.41 min Scan# 1499
Delta R.T. 0.00 min
Lab File: VU026156.D
Acq: 15 Aug 2018 19:10

Tgt Ion: 62 Resp: 6757
Ion Ratio Lower Upper
62 100
98 10.1 7.0 10.4

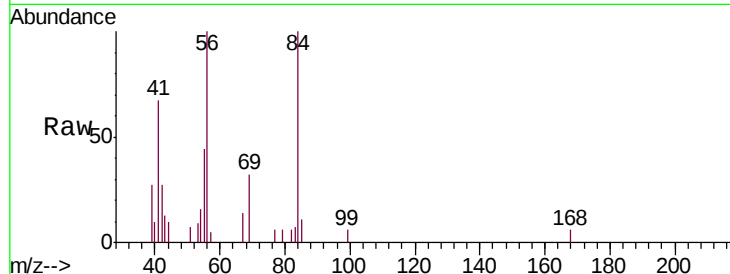




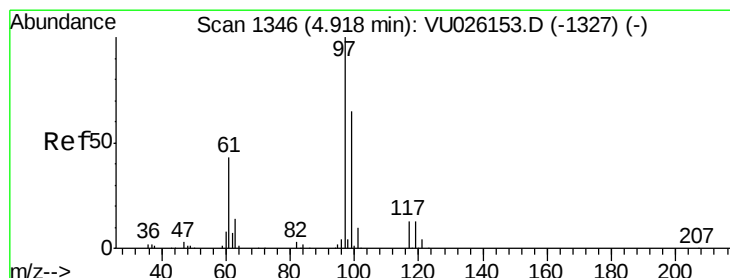
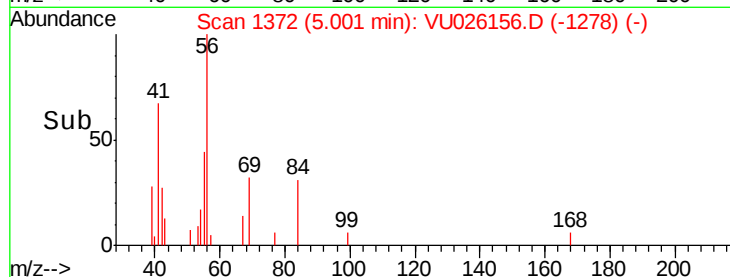
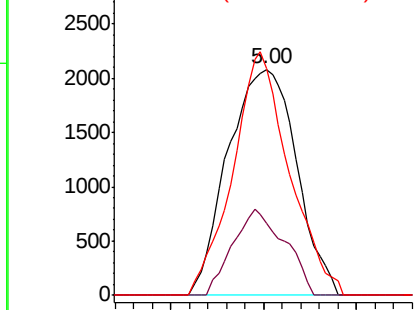
#29
Cyclohexane
Concen: 2.030 ug/L
RT: 5.00 min Scan# 1372
Delta R.T. 0.00 min
Lab File: VU026156.D
Acq: 15 Aug 2018 19:10

Instrument :
MSVOA_U
ClientSampleId :
MDL01

Tgt Ion: 56 Resp: 5357
Ion Ratio Lower Upper
56 100
69 29.0 24.1 36.1
84 88.5 68.6 102.8

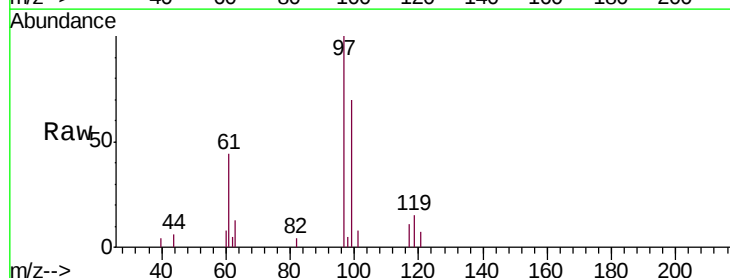


Abundance Ion 56.00 (55.70 to 56.70): VU0
Ion 69.00 (68.70 to 69.70): VU0
Ion 84.00 (83.70 to 84.70): VU0

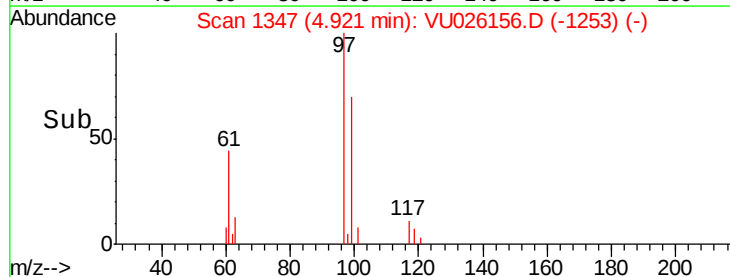
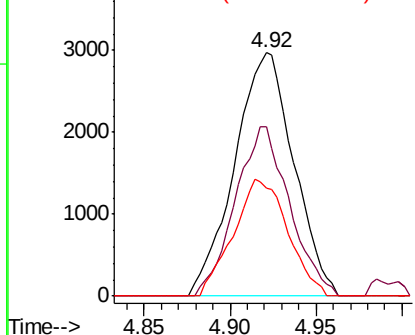


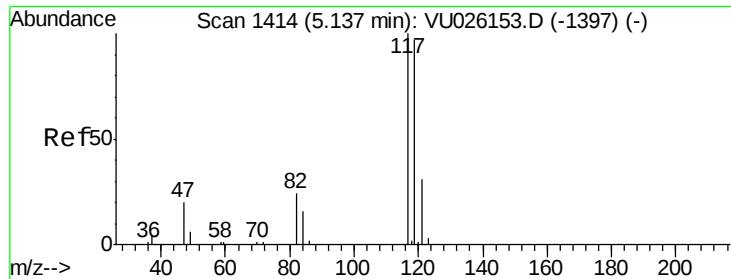
#30
1,1,1-Trichloroethane
Concen: 2.250 ug/L
RT: 4.92 min Scan# 1347
Delta R.T. 0.00 min
Lab File: VU026156.D
Acq: 15 Aug 2018 19:10

Tgt Ion: 97 Resp: 7102
Ion Ratio Lower Upper
97 100
99 63.7 52.2 78.2
61 44.1 35.4 53.0



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

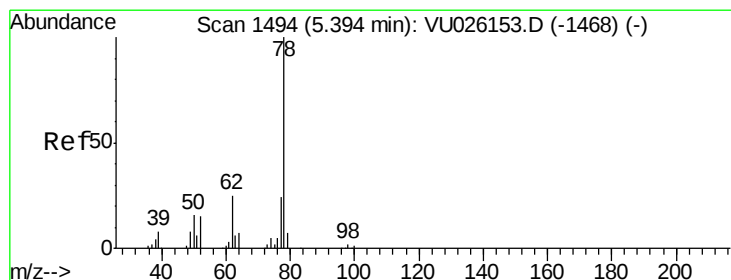
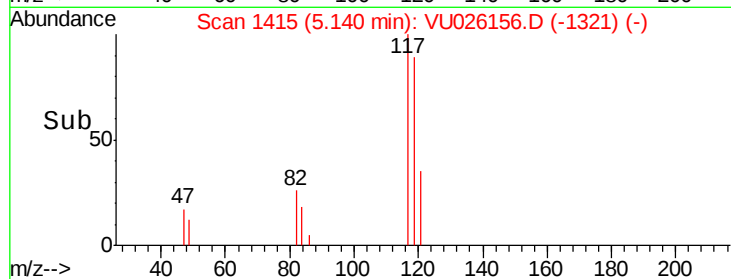
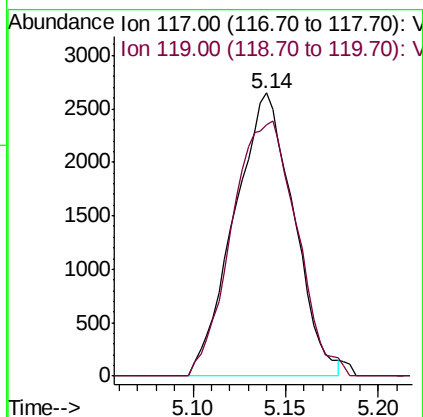
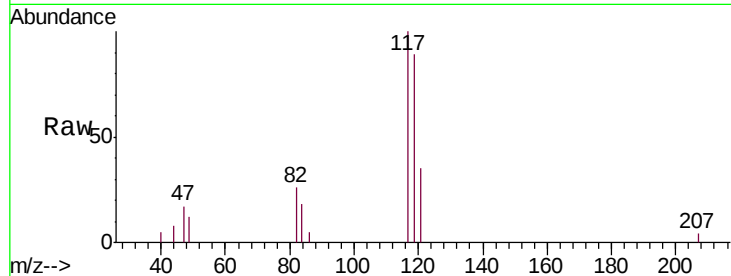




#31
Carbon tetrachloride
Concen: 2.057 ug/L
RT: 5.14 min Scan# 1415
Delta R.T. 0.00 min
Lab File: VU026156.D
Acq: 15 Aug 2018 19:10

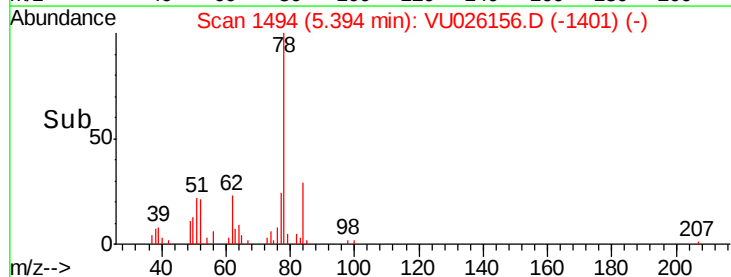
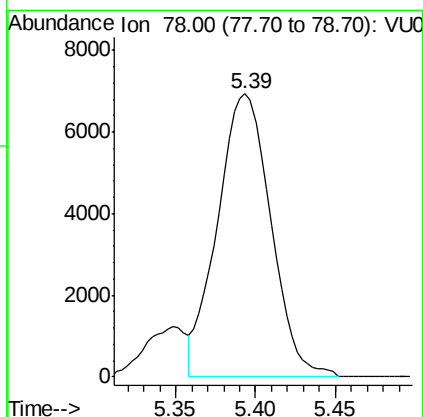
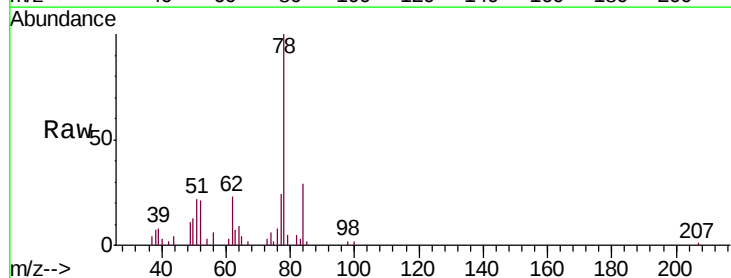
Instrument :
MSVOA_U
ClientSampleId :
MDL01

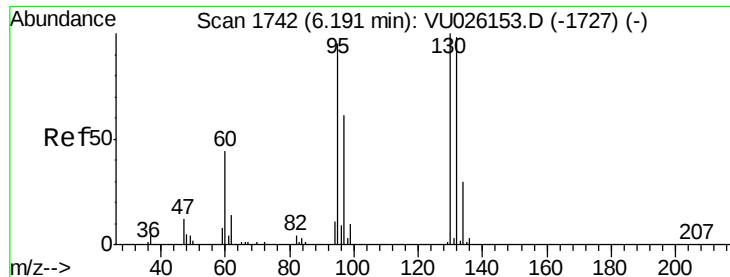
Tgt Ion: 117 Resp: 5881
Ion Ratio Lower Upper
117 100
119 98.7 77.4 116.2



#33
Benzene
Concen: 2.221 ug/L
RT: 5.39 min Scan# 1494
Delta R.T. -0.00 min
Lab File: VU026156.D
Acq: 15 Aug 2018 19:10

Tgt Ion: 78 Resp: 15884

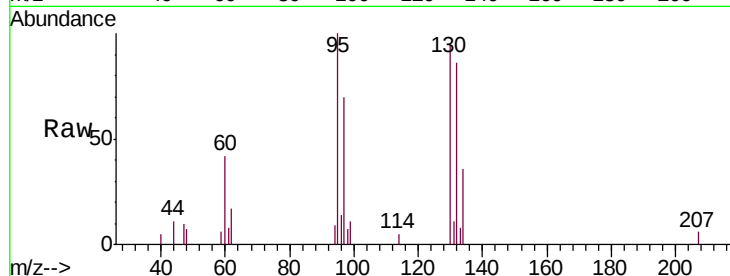




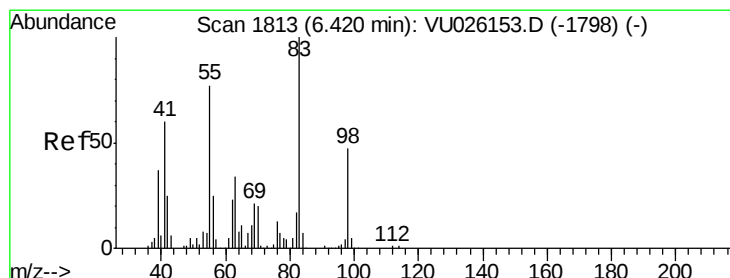
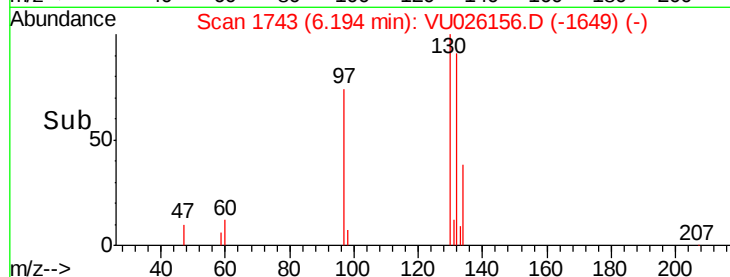
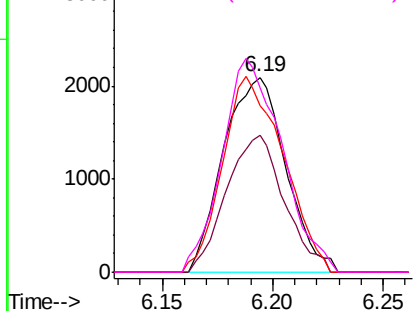
#34
 Trichloroethene
 Concen: 2.196 ug/L
 RT: 6.19 min Scan# 1743
 Delta R.T. 0.00 min
 Lab File: VU026156.D
 Acq: 15 Aug 2018 19:10

Instrument :
 MSVOA_U
 ClientSampleId :
 MDL01

Tgt Ion:	95	Resp:	4092
Ion	Ratio	Lower	Upper
95	100		
97	70.4	45.7	84.9
132	85.6	68.8	127.8
130	94.6	71.5	132.7

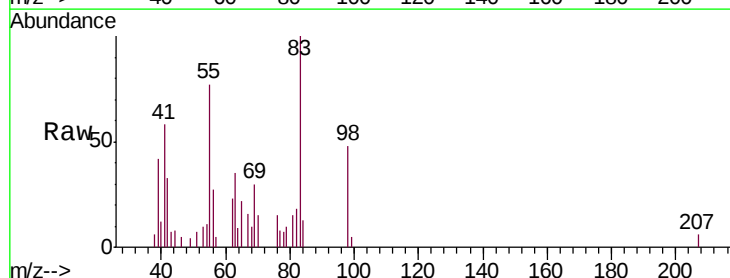


Abundance Ion 95.00 (94.70 to 95.70): VU0
 Ion 97.00 (96.70 to 97.70): VU0
 Ion 132.00 (131.70 to 132.70): V
 Ion 130.00 (129.70 to 130.70): V

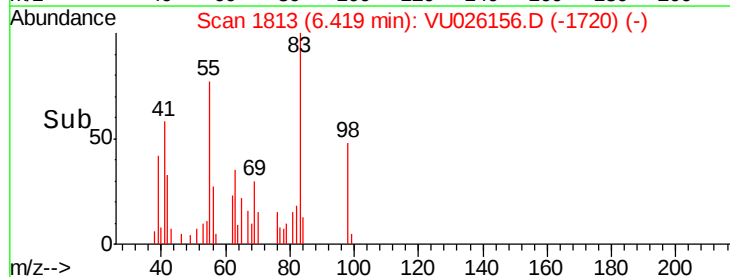
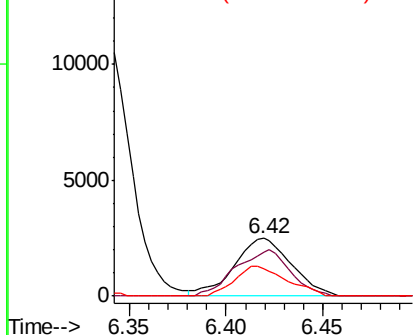


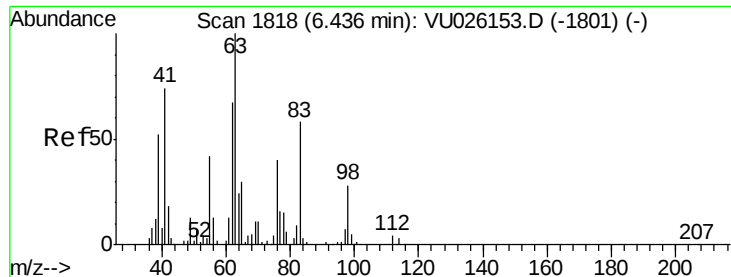
#35
 Methylcyclohexane
 Concen: 1.834 ug/L
 RT: 6.42 min Scan# 1813
 Delta R.T. -0.00 min
 Lab File: VU026156.D
 Acq: 15 Aug 2018 19:10

Tgt Ion:	83	Resp:	5129
Ion	Ratio	Lower	Upper
83	100		
55	76.0	61.0	91.6
98	46.8	37.6	56.4



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: 2.299 ug/L

RT: 6.44 min Scan# 1819

Delta R.T. 0.00 min

Lab File: VU026156.D

Acq: 15 Aug 2018 19:10

Instrument :

MSVOA_U

ClientSampleId :

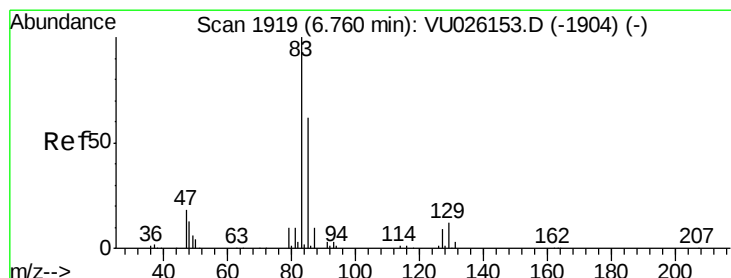
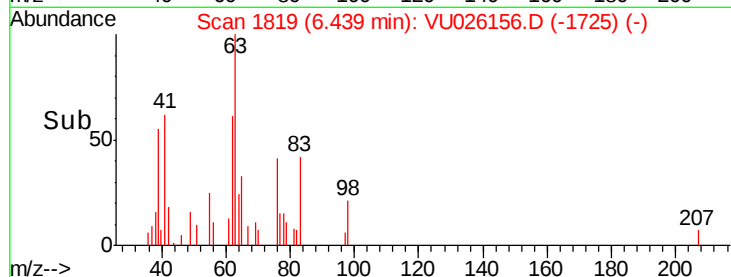
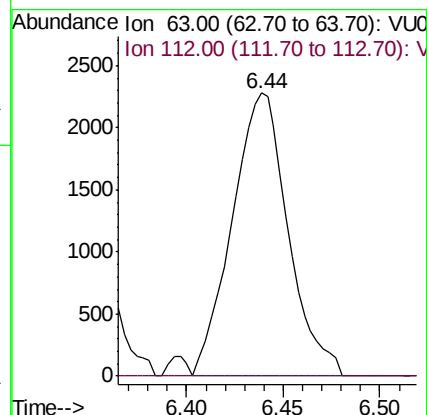
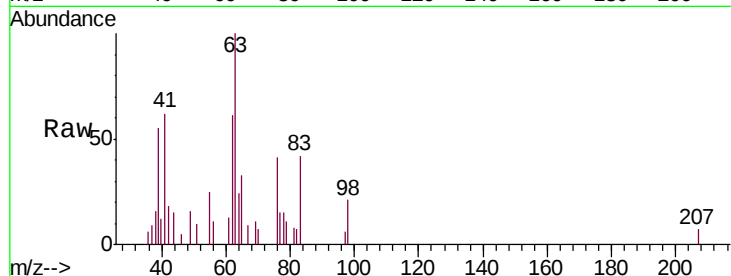
MDL01

Tgt Ion: 63 Resp: 4593

Ion Ratio Lower Upper

63 100

112 0.0 3.5 5.3#



#38

Bromodichloromethane

Concen: 2.186 ug/L

RT: 6.76 min Scan# 1919

Delta R.T. -0.00 min

Lab File: VU026156.D

Acq: 15 Aug 2018 19:10

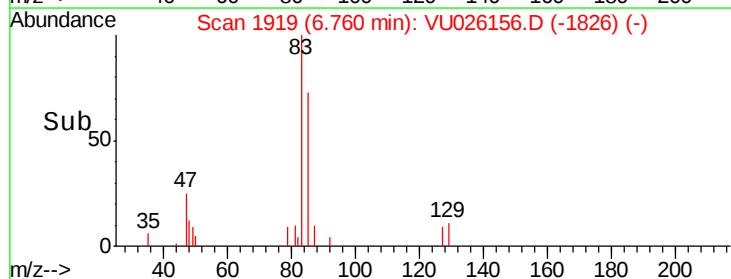
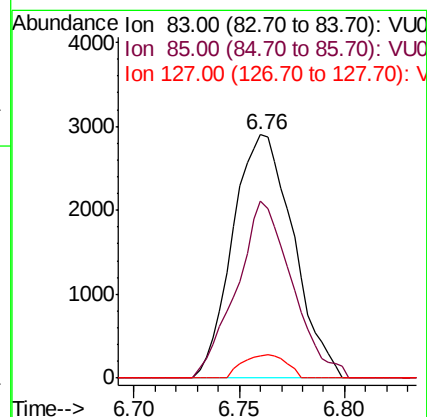
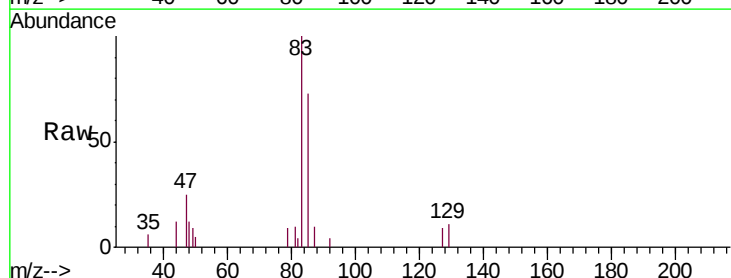
Tgt Ion: 83 Resp: 5781

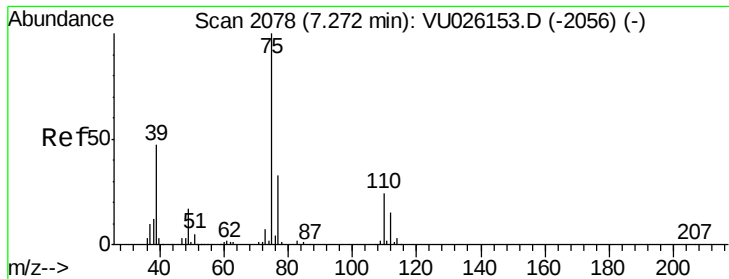
Ion Ratio Lower Upper

83 100

85 72.8 46.0 85.4

127 9.4 7.5 11.3



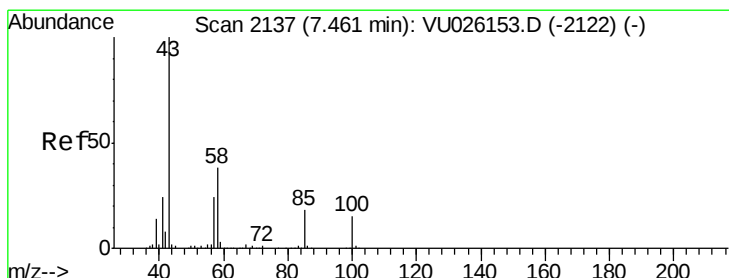
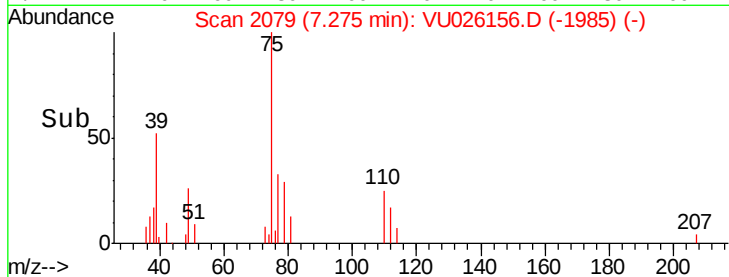
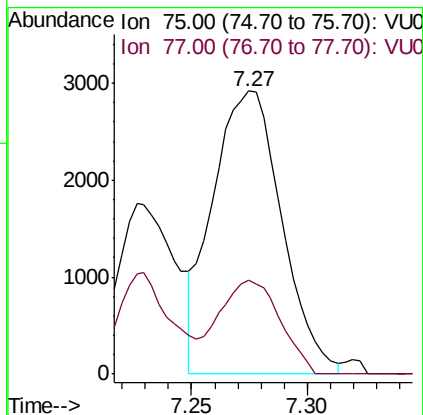
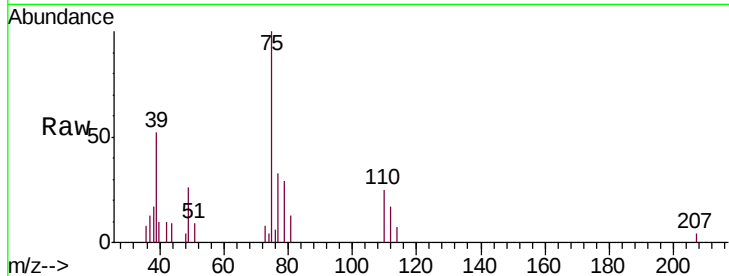


#39

cis-1,3-Dichloropropene
 Concen: 2.042 ug/L
 RT: 7.27 min Scan# 2079
 Delta R.T. 0.00 min
 Lab File: VU026156.D
 Acq: 15 Aug 2018 19:10

Instrument :
 MSVOA_U
 ClientSampleId :
 MDL01

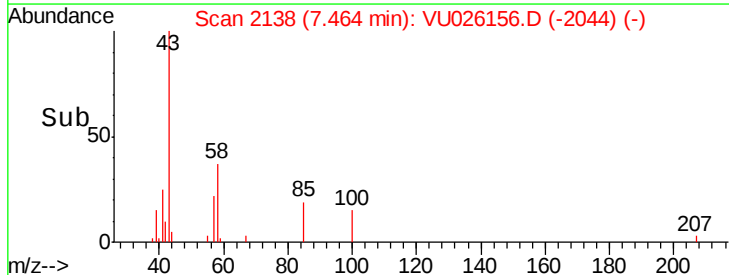
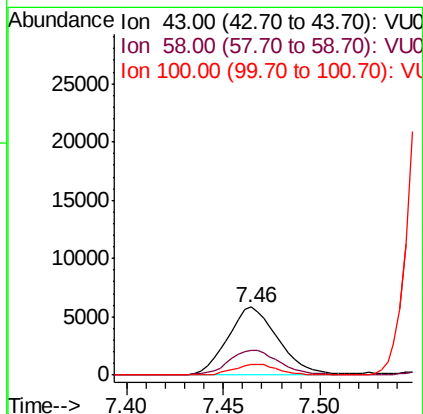
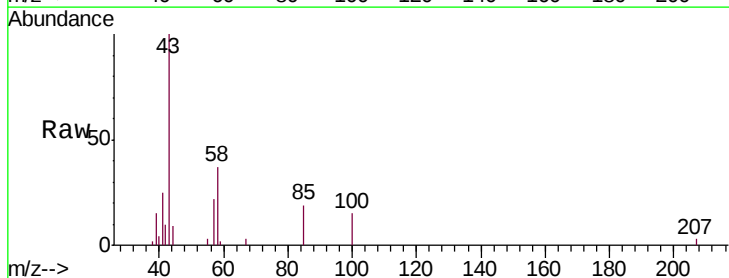
Tgt Ion: 75 Resp: 6054
 Ion Ratio Lower Upper
 75 100
 77 33.0 22.2 41.2

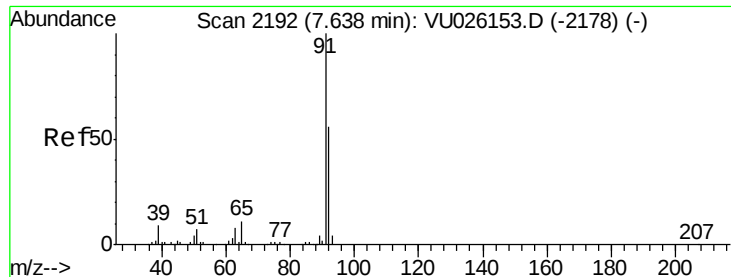


#40

4-Methyl-2-pentanone
 Concen: 4.252 ug/L
 RT: 7.46 min Scan# 2138
 Delta R.T. 0.00 min
 Lab File: VU026156.D
 Acq: 15 Aug 2018 19:10

Tgt Ion: 43 Resp: 10535
 Ion Ratio Lower Upper
 43 100
 58 36.6 31.8 47.8
 100 13.8 12.2 18.2





#42

Toluene

Concen: 2.195 ug/L

RT: 7.64 min Scan# 2193

Delta R.T. 0.00 min

Lab File: VU026156.D

Acq: 15 Aug 2018 19:10

Instrument :

MSVOA_U

ClientSampled :

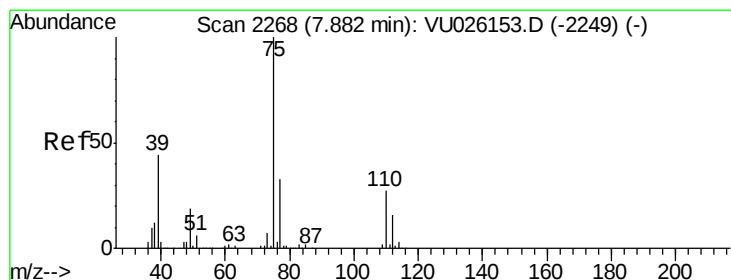
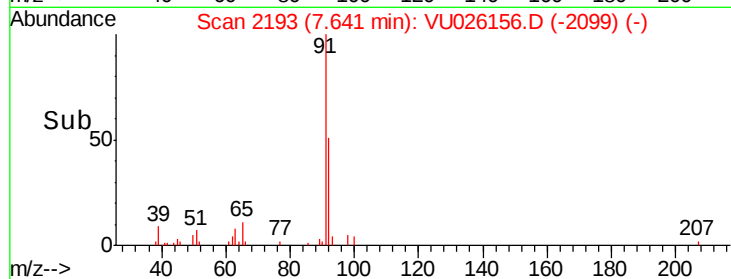
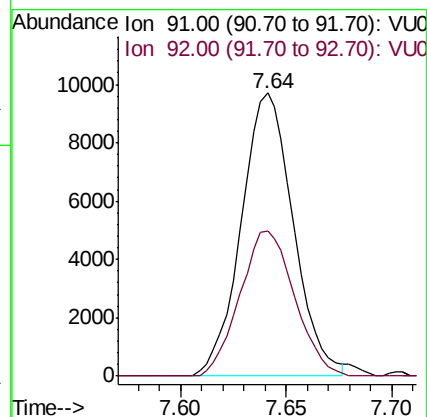
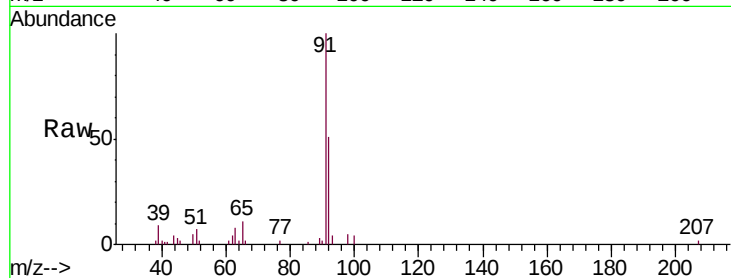
MDL01

Tgt Ion: 91 Resp: 16670

Ion Ratio Lower Upper

91 100

92 51.1 40.0 74.4



#44

trans-1,3-Dichloropropene

Concen: 2.899 ug/L

RT: 7.89 min Scan# 2269

Delta R.T. 0.00 min

Lab File: VU026156.D

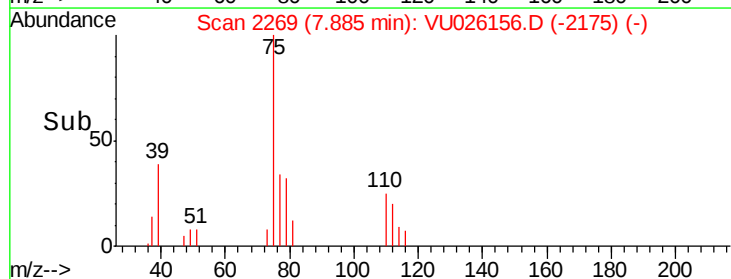
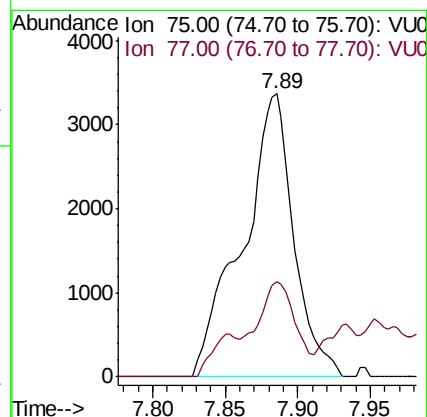
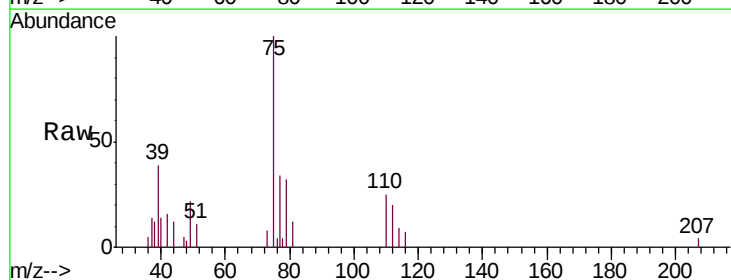
Acq: 15 Aug 2018 19:10

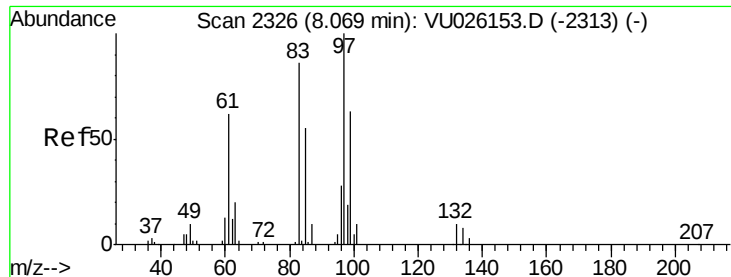
Tgt Ion: 75 Resp: 8283

Ion Ratio Lower Upper

75 100

77 33.8 22.0 41.0

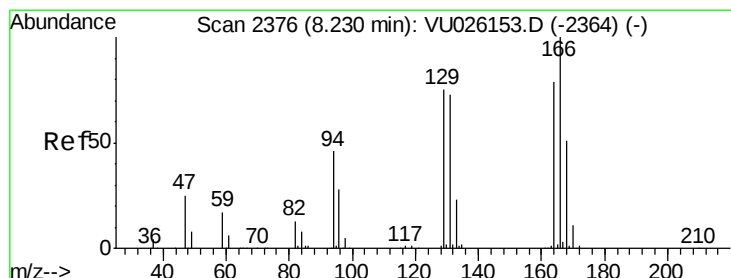
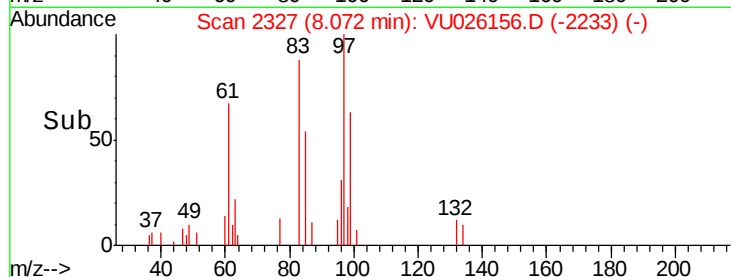
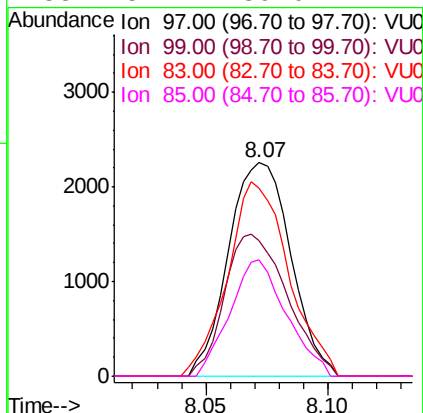
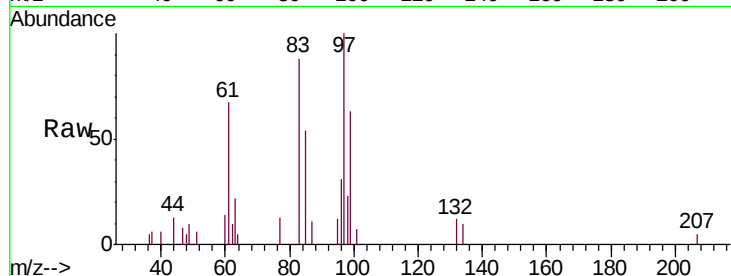




#45
 1,1,2-Trichloroethane
 Concen: 2.118 ug/L
 RT: 8.07 min Scan# 2327
 Delta R.T. 0.00 min
 Lab File: VU026156.D
 Acq: 15 Aug 2018 19:10

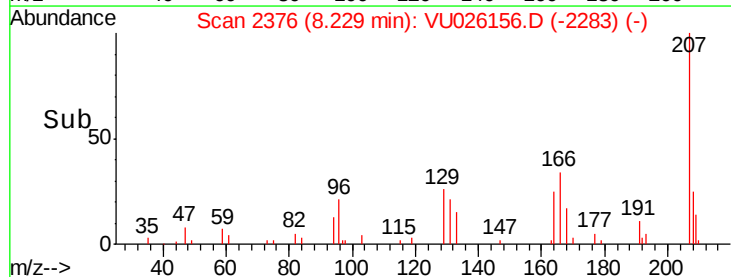
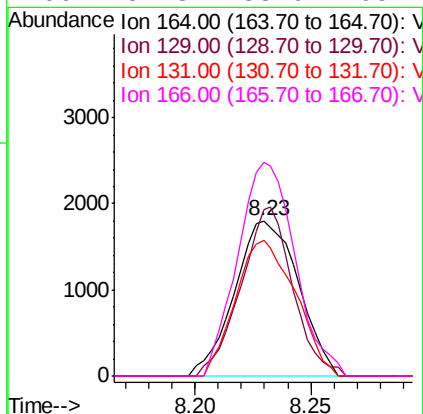
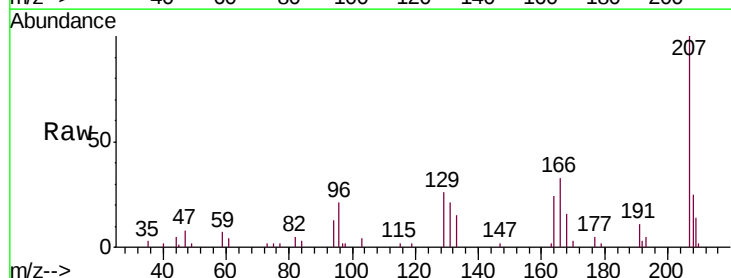
Instrument :
 MSVOA_U
 ClientSampleId :
 MDL01

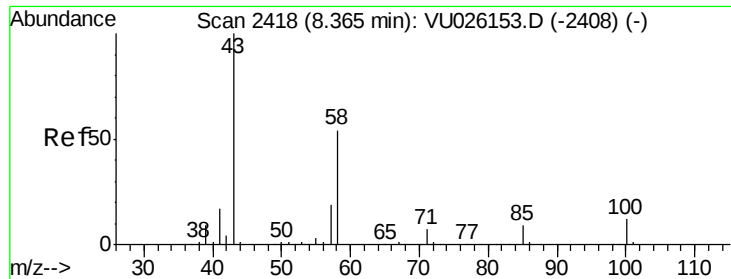
Tgt Ion:	97	Resp:	4011
Ion	Ratio	Lower	Upper
97	100		
99	63.4	43.3	80.5
83	88.3	58.4	108.6
85	54.4	39.0	72.4



#46
 Tetrachloroethene
 Concen: 2.143 ug/L
 RT: 8.23 min Scan# 2376
 Delta R.T. -0.00 min
 Lab File: VU026156.D
 Acq: 15 Aug 2018 19:10

Tgt Ion:	164	Resp:	3443
Ion	Ratio	Lower	Upper
164	100		
129	107.0	65.7	121.9
131	87.3	62.0	115.2
166	137.3	88.9	165.1

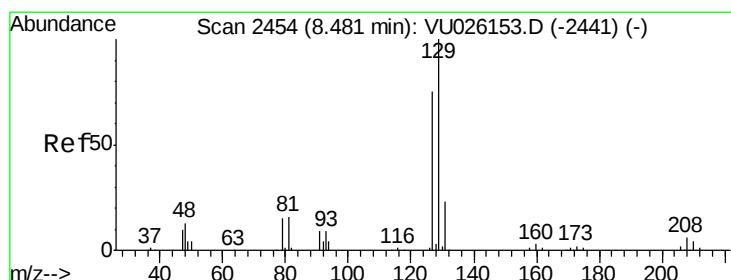
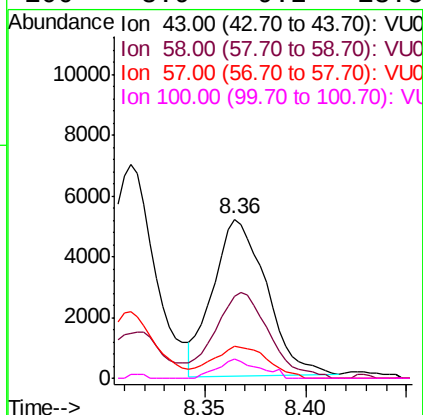
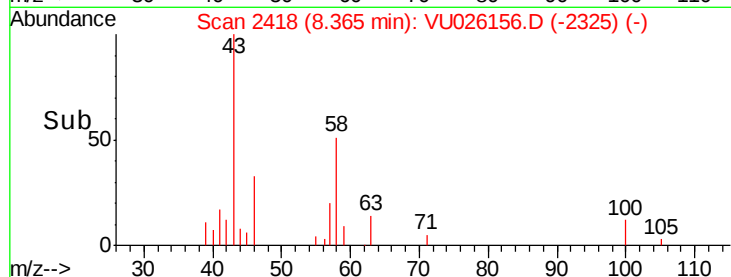
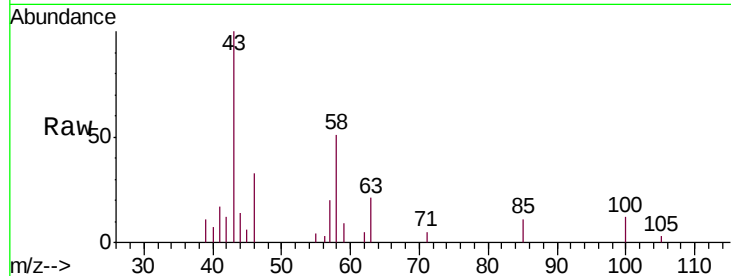




#48
2-Hexanone
Concen: 4.909 ug/L
RT: 8.36 min Scan# 2418
Delta R.T. -0.00 min
Lab File: VU026156.D
Acq: 15 Aug 2018 19:10

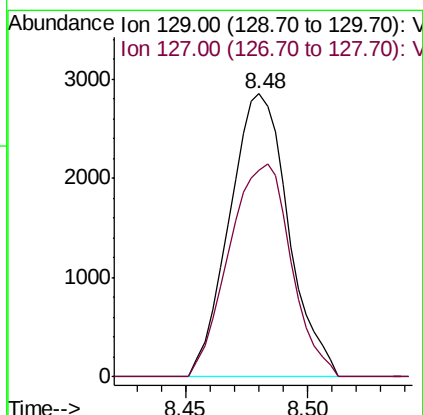
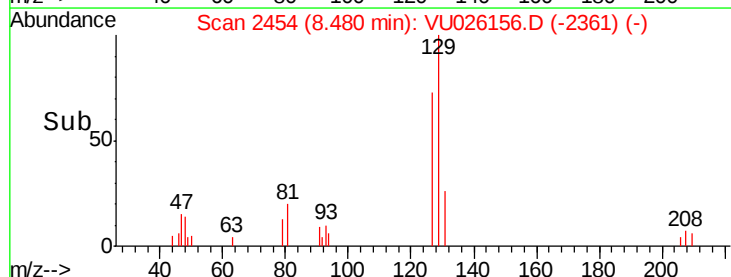
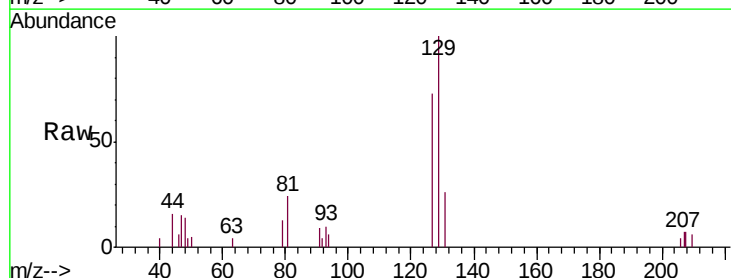
Instrument :
MSVOA_U
ClientSampleId :
MDL01

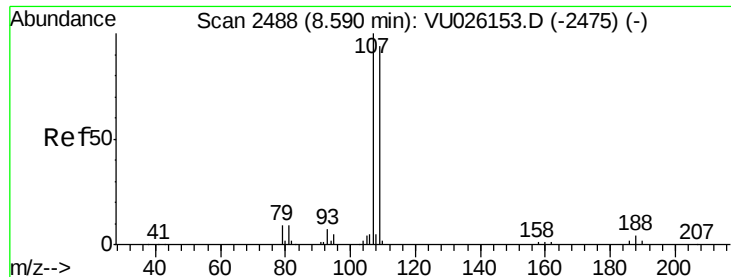
Tgt Ion: 43 Resp: 9530
Ion Ratio Lower Upper
43 100
58 54.7 42.9 64.3
57 21.0 15.1 22.7
100 8.9 9.2 13.8#



#49
Dibromochloromethane
Concen: 2.096 ug/L
RT: 8.48 min Scan# 2454
Delta R.T. -0.00 min
Lab File: VU026156.D
Acq: 15 Aug 2018 19:10

Tgt Ion: 129 Resp: 4781
Ion Ratio Lower Upper
129 100
127 73.2 54.6 101.4

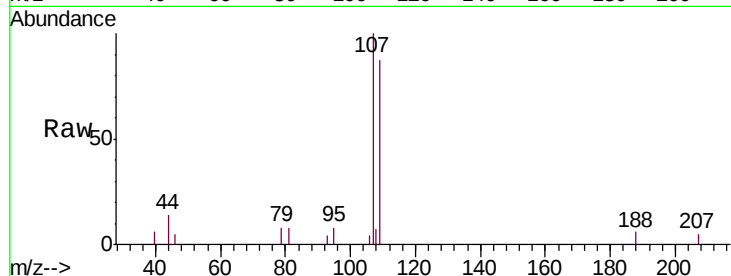




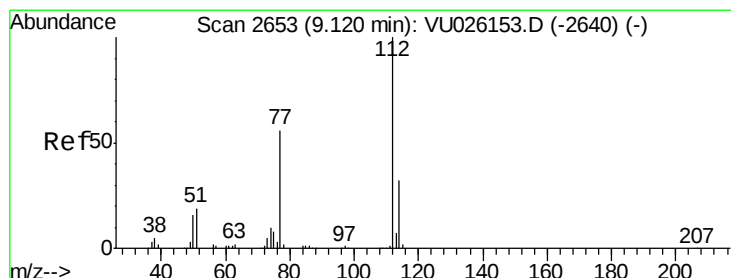
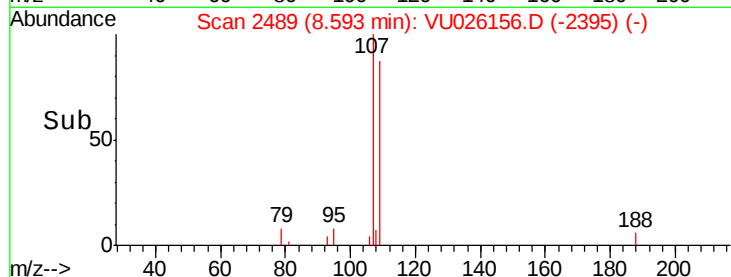
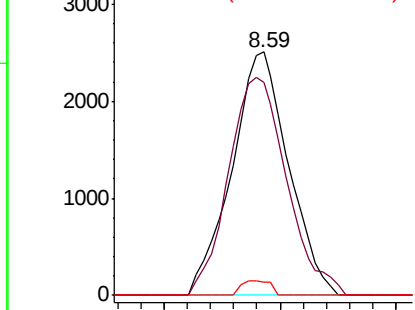
#50
1,2-Dibromoethane
Concen: 2.160 ug/L
RT: 8.59 min Scan# 2489
Delta R.T. 0.00 min
Lab File: VU026156.D
Acq: 15 Aug 2018 19:10

Instrument :
MSVOA_U
ClientSampleId :
MDL01

Tgt Ion:107 Resp: 4247
Ion Ratio Lower Upper
107 100
109 87.2 66.1 122.7
188 5.6 3.2 4.8#

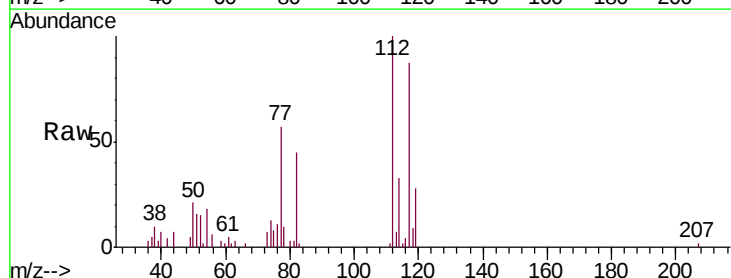


Abundance Ion 107.00 (106.70 to 107.70): V
Ion 109.00 (108.70 to 109.70): V
Ion 188.00 (187.70 to 188.70): V

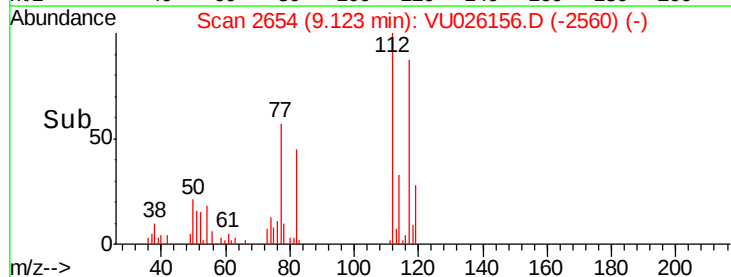
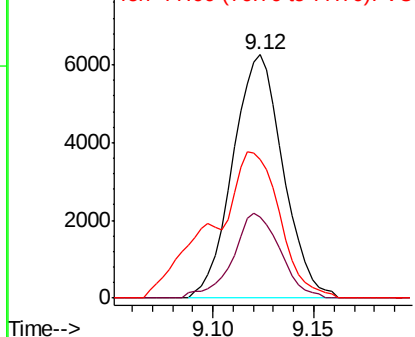


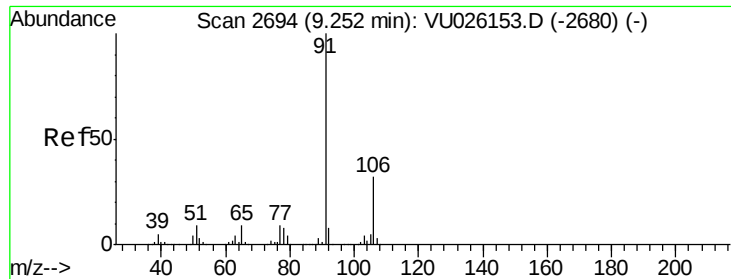
#51
Chlorobenzene
Concen: 2.105 ug/L
RT: 9.12 min Scan# 2654
Delta R.T. 0.00 min
Lab File: VU026156.D
Acq: 15 Aug 2018 19:10

Tgt Ion:112 Resp: 10926
Ion Ratio Lower Upper
112 100
114 33.2 22.5 41.9
77 57.1 45.0 67.4



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: 1.858 ug/L

RT: 9.25 min Scan# 2694

Delta R.T. -0.00 min

Lab File: VU026156.D

Acq: 15 Aug 2018 19:10

Instrument :

MSVOA_U

ClientSampleId :

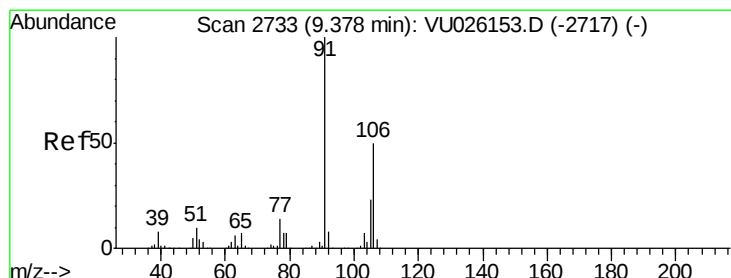
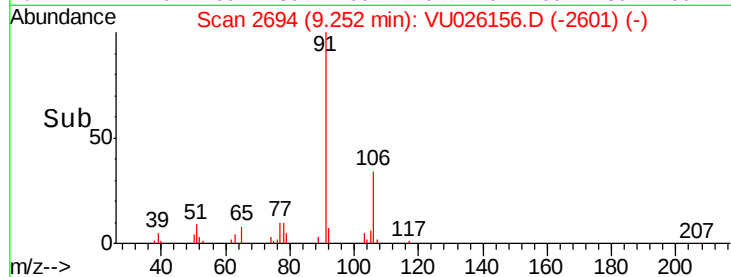
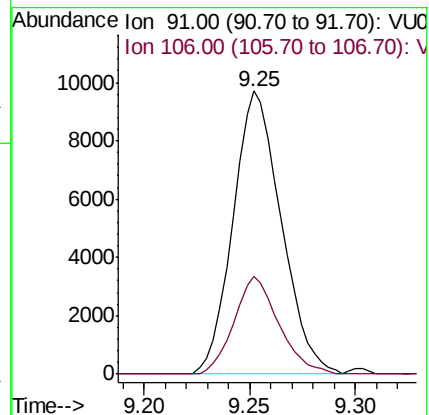
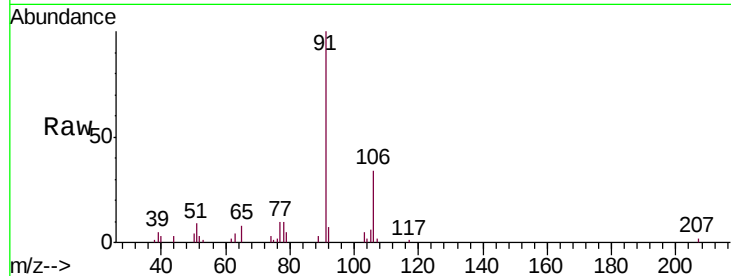
MDL01

Tgt Ion: 91 Resp: 15375

Ion Ratio Lower Upper

91 100

106 34.4 22.3 41.5



#53

m,p-Xylene

Concen: 1.758 ug/L

RT: 9.38 min Scan# 2734

Delta R.T. 0.00 min

Lab File: VU026156.D

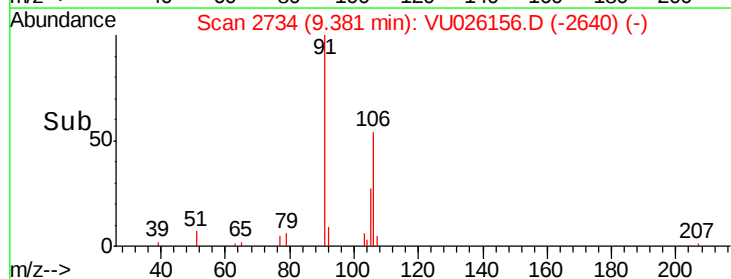
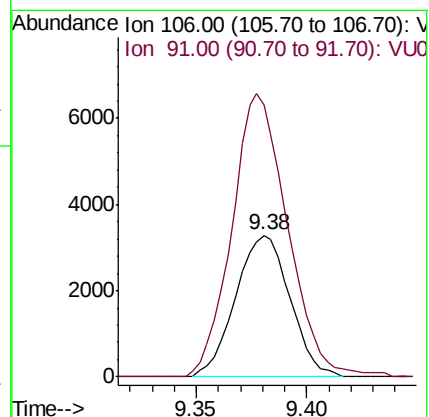
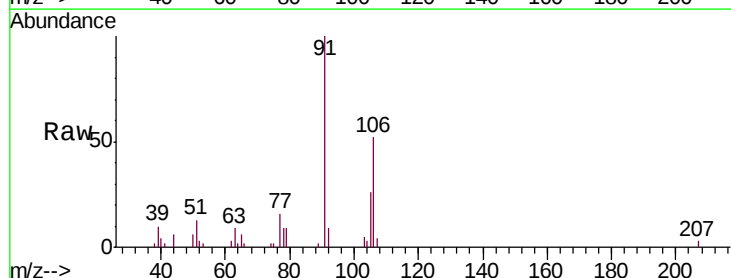
Acq: 15 Aug 2018 19:10

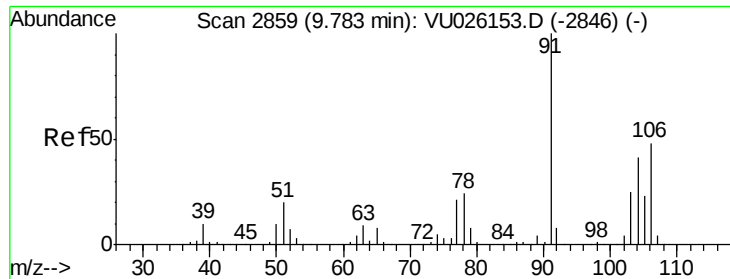
Tgt Ion: 106 Resp: 5606

Ion Ratio Lower Upper

106 100

91 192.2 139.2 258.4





#54

o-xylene

Concen: 1.867 ug/L

RT: 9.78 min Scan# 2859

Delta R.T. -0.00 min

Lab File: VU026156.D

Acq: 15 Aug 2018 19:10

Instrument :

MSVOA_U

ClientSampleId :

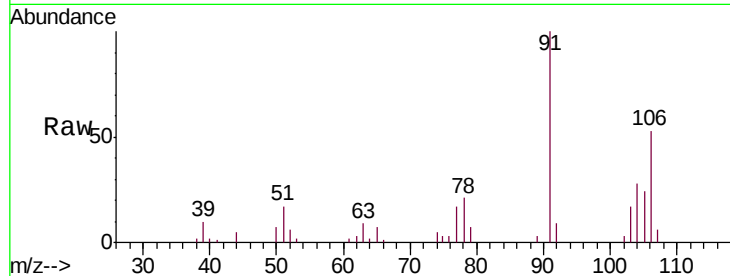
MDL01

Tgt Ion:106 Resp: 5941

Ion Ratio Lower Upper

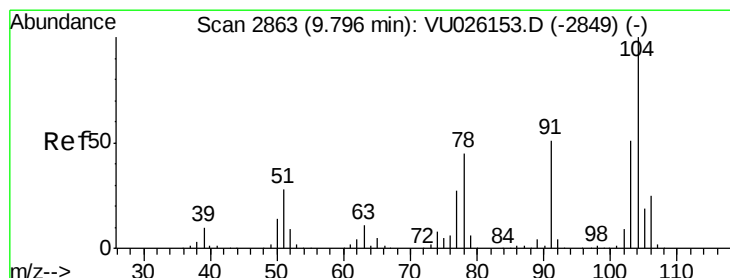
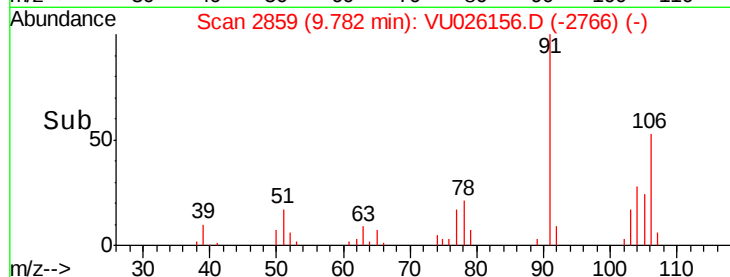
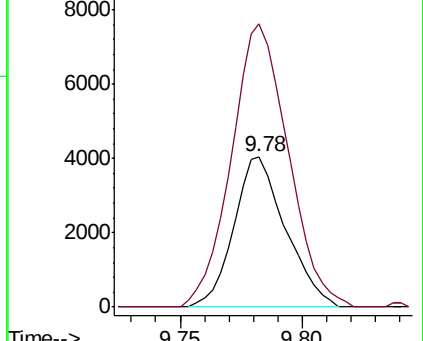
106 100

91 188.4 148.0 274.8



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0



#55

Styrene

Concen: 1.639 ug/L

RT: 9.80 min Scan# 2863

Delta R.T. -0.00 min

Lab File: VU026156.D

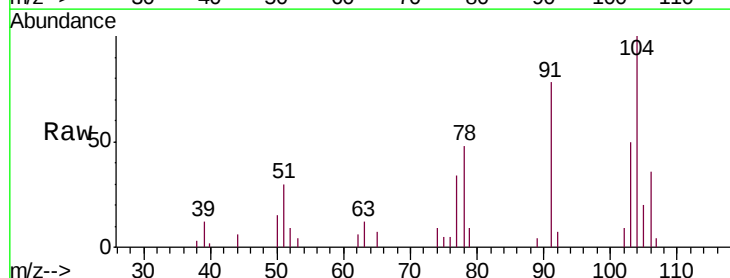
Acq: 15 Aug 2018 19:10

Tgt Ion:104 Resp: 8683

Ion Ratio Lower Upper

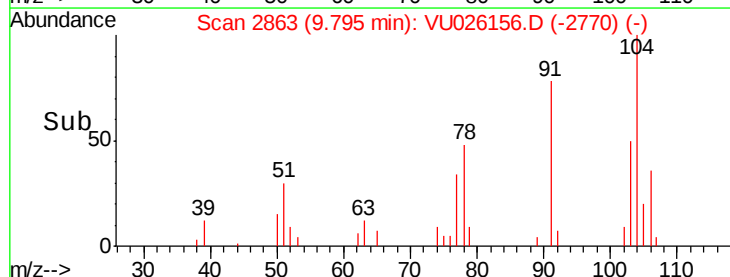
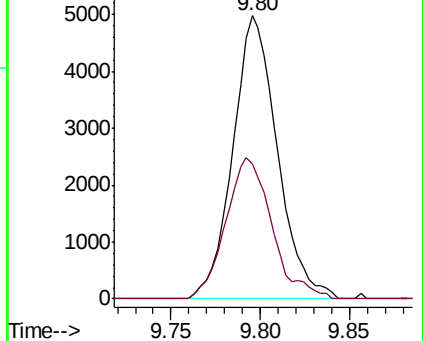
104 100

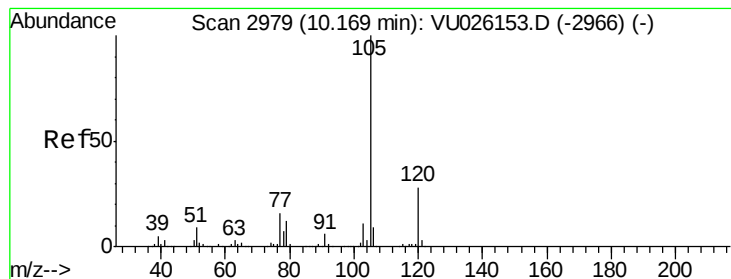
78 47.9 30.9 57.5



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VU0





#56

Isopropylbenzene

Concen: 1.736 ug/L

RT: 10.17 min Scan# 2980

Delta R.T. 0.00 min

Lab File: VU026156.D

Acq: 15 Aug 2018 19:10

Instrument :

MSVOA_U

ClientSampleId :

MDL01

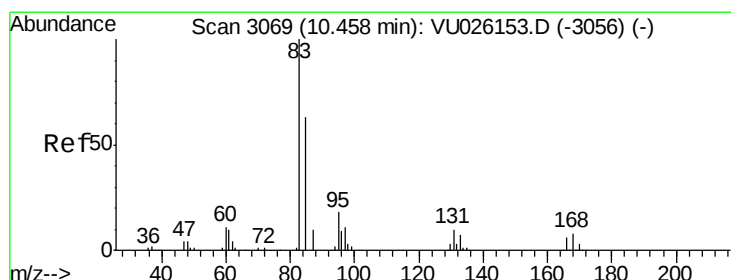
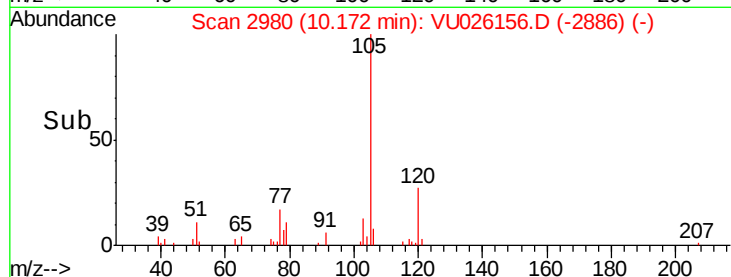
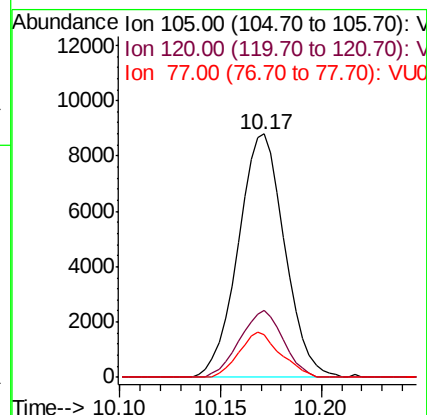
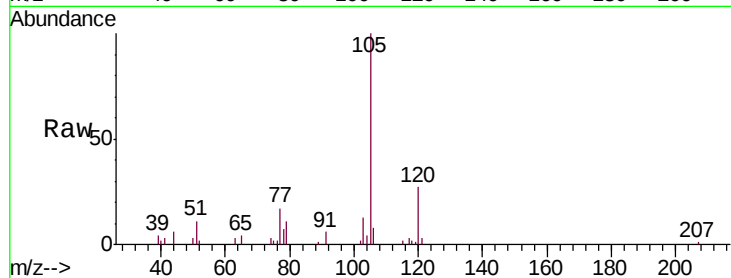
Tgt Ion:105 Resp: 14177

Ion Ratio Lower Upper

105 100

120 25.7 21.5 32.3

77 16.5 12.3 18.5



#58

1,1,2,2-Tetrachloroethane

Concen: 2.394 ug/L

RT: 10.46 min Scan# 3070

Delta R.T. 0.00 min

Lab File: VU026156.D

Acq: 15 Aug 2018 19:10

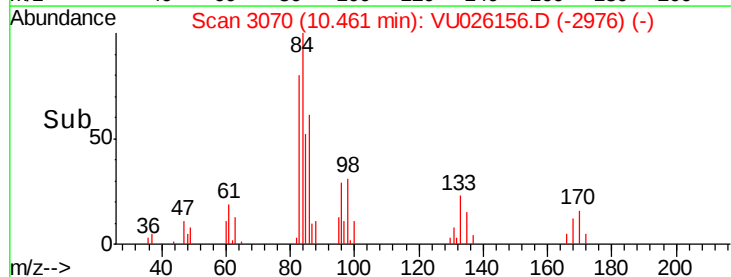
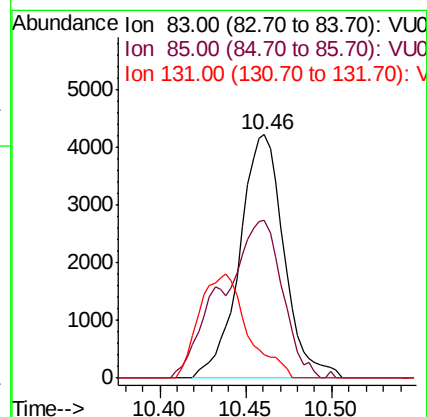
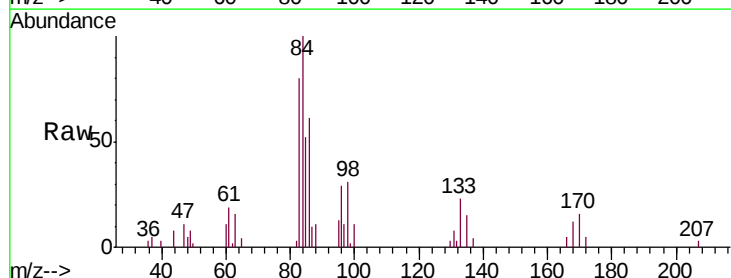
Tgt Ion: 83 Resp: 7571

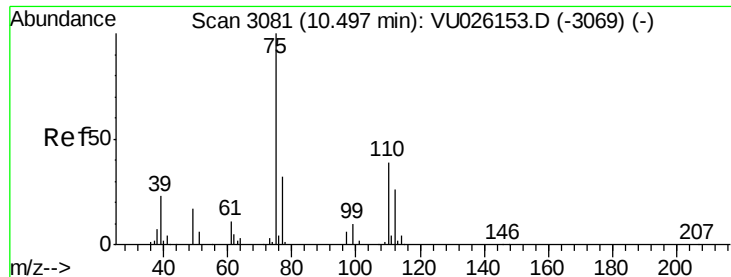
Ion Ratio Lower Upper

83 100

85 64.7 45.0 83.6

131 9.5 8.4 12.6





#59

1,2,3-Trichloropropane

Concen: 2.299 ug/L

RT: 10.50 min Scan# 3082

Delta R.T. 0.00 min

Lab File: VU026156.D

Acq: 15 Aug 2018 19:10

Instrument :

MSVOA_U

ClientSampleId :

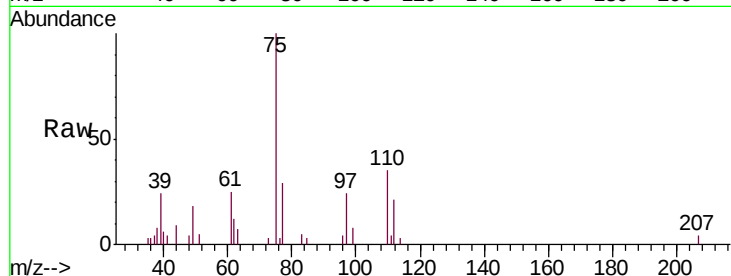
MDL01

Tgt Ion: 75 Resp: 5657

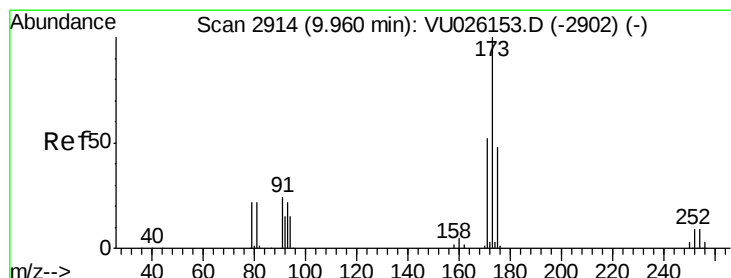
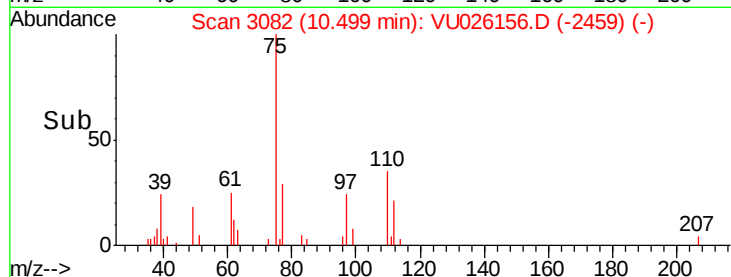
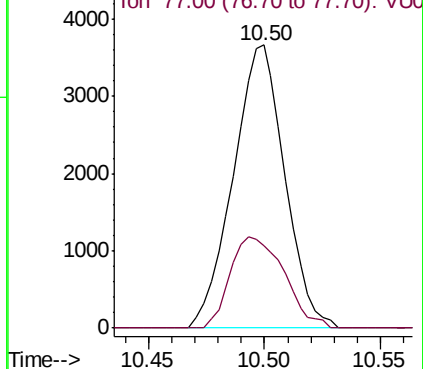
Ion Ratio Lower Upper

75 100

77 33.7 26.1 39.1



Abundance Ion 75.00 (74.70 to 75.70): VU026153.D (-3069) (-)



#61

Bromoform

Concen: 2.258 ug/L

RT: 9.96 min Scan# 2915

Delta R.T. 0.00 min

Lab File: VU026156.D

Acq: 15 Aug 2018 19:10

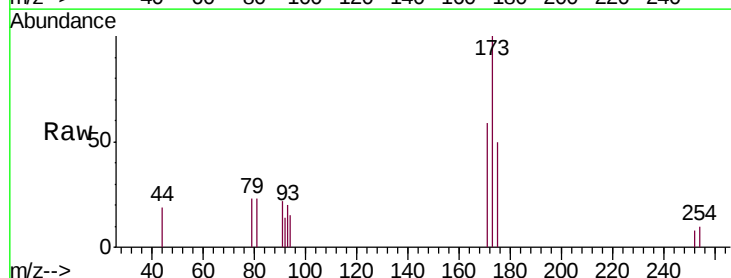
Tgt Ion: 173 Resp: 3330

Ion Ratio Lower Upper

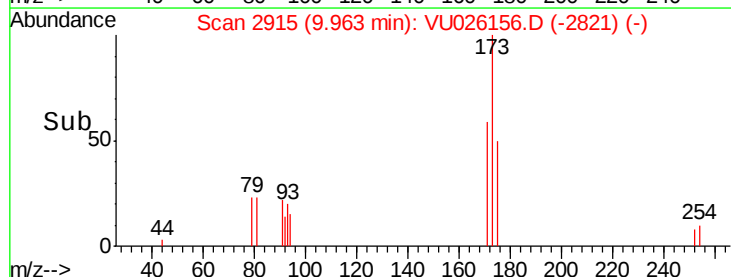
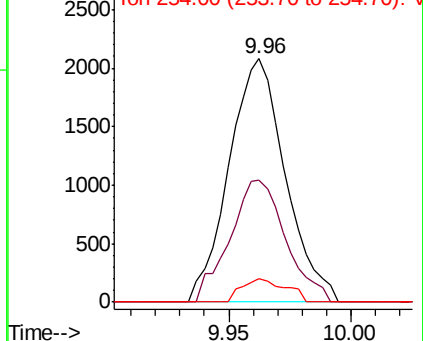
173 100

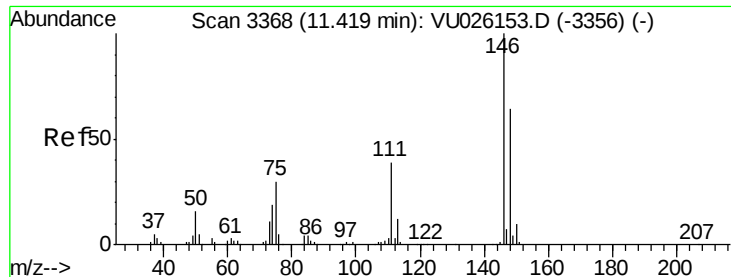
175 49.7 38.8 58.2

254 6.1 7.3 10.9#



Abundance Ion 173.00 (172.70 to 173.70): VU026153.D (-2902) (-)





#62

1,3-Dichlorobenzene

Concen: 1.992 ug/L

RT: 11.42 min Scan# 3369

Delta R.T. 0.00 min

Lab File: VU026156.D

Acq: 15 Aug 2018 19:10

Instrument :

MSVOA_U

ClientSampleId :

MDL01

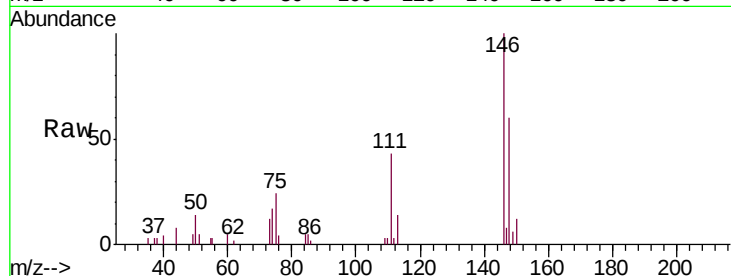
Tgt Ion:146 Resp: 6732

Ion Ratio Lower Upper

146 100

111 43.3 26.7 49.7

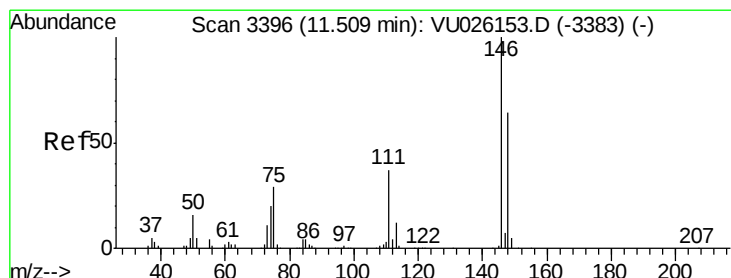
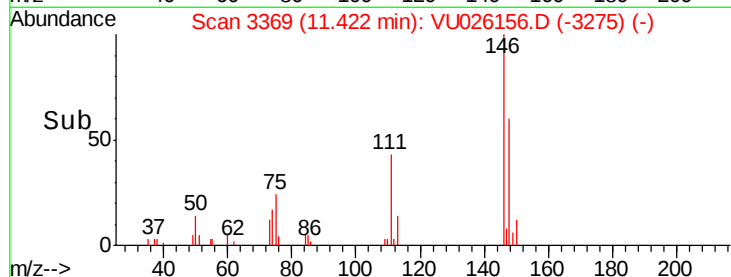
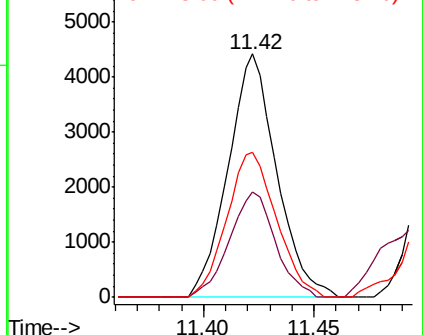
148 59.6 44.1 81.9



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: 2.091 ug/L

RT: 11.51 min Scan# 3397

Delta R.T. 0.00 min

Lab File: VU026156.D

Acq: 15 Aug 2018 19:10

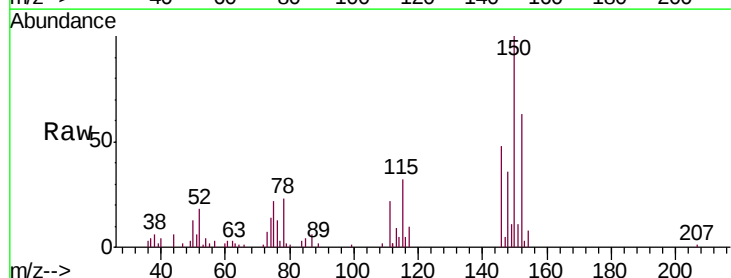
Tgt Ion:146 Resp: 7288

Ion Ratio Lower Upper

146 100

111 46.2 27.5 51.1

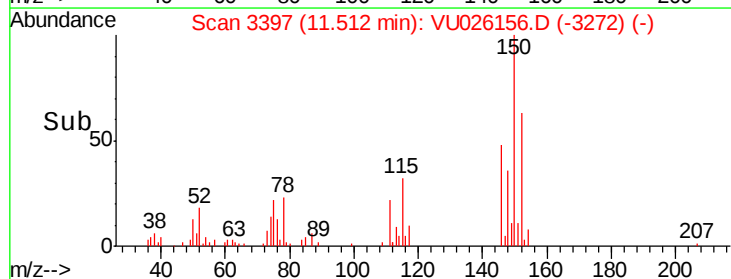
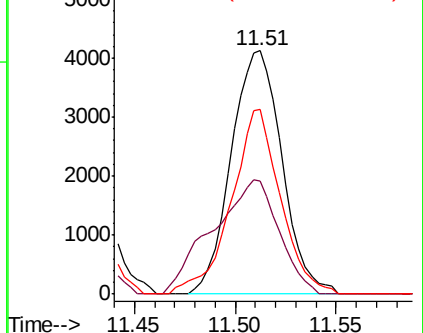
148 76.1 44.8 83.2

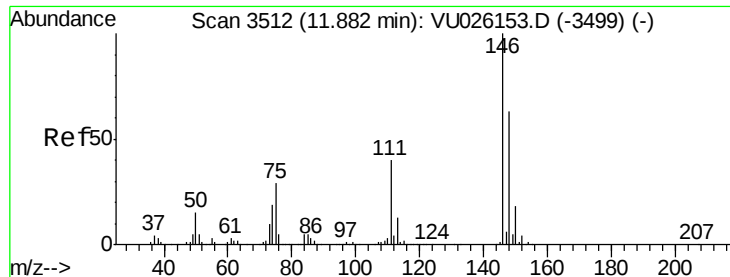


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 2.308 ug/L

RT: 11.88 min Scan# 3512

Delta R.T. -0.00 min

Lab File: VU026156.D

Acq: 15 Aug 2018 19:10

Instrument :

MSVOA_U

ClientSampleId :

MDL01

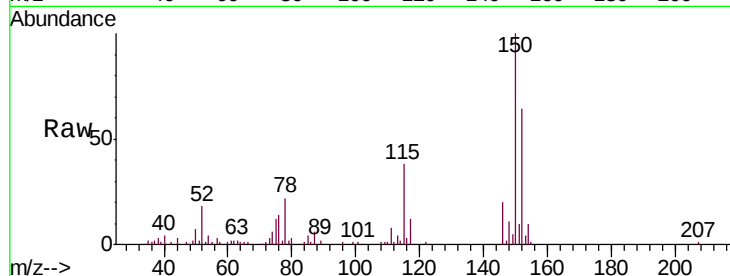
Tgt Ion:146 Resp: 8336

Ion Ratio Lower Upper

146 100

111 36.9 32.7 49.1

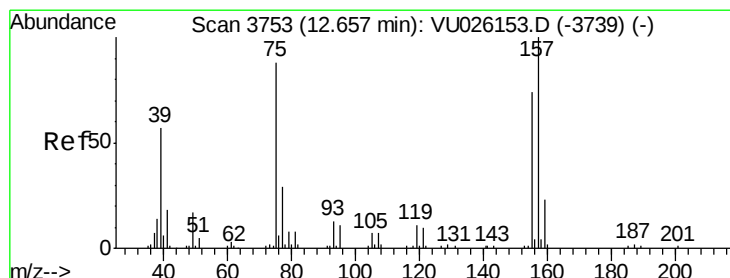
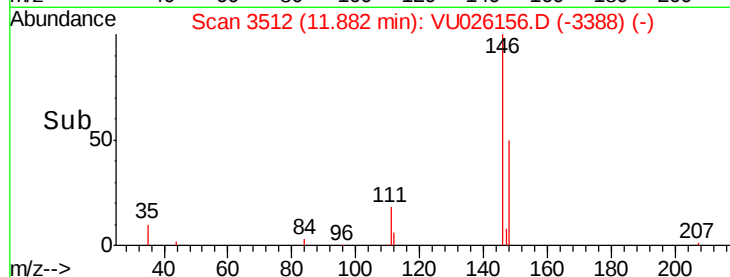
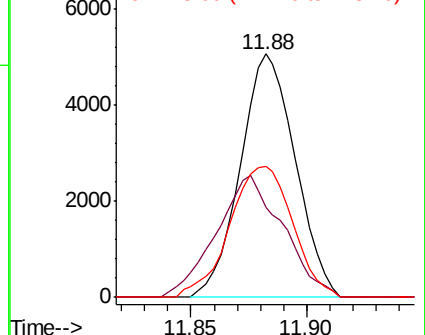
148 53.7 51.4 77.2



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



#66

1,2-Dibromo-3-chloropropane

Concen: 2.058 ug/L

RT: 12.66 min Scan# 3755

Delta R.T. 0.01 min

Lab File: VU026156.D

Acq: 15 Aug 2018 19:10

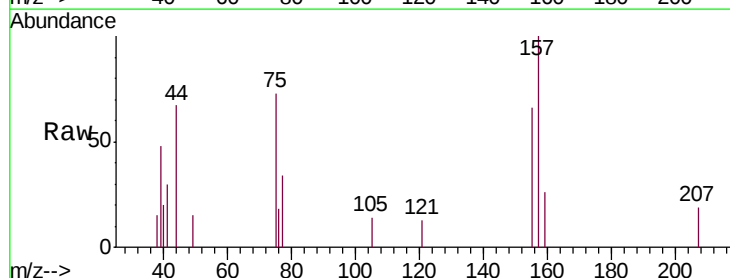
Tgt Ion: 75 Resp: 1179

Ion Ratio Lower Upper

75 100

155 90.9 68.2 102.2

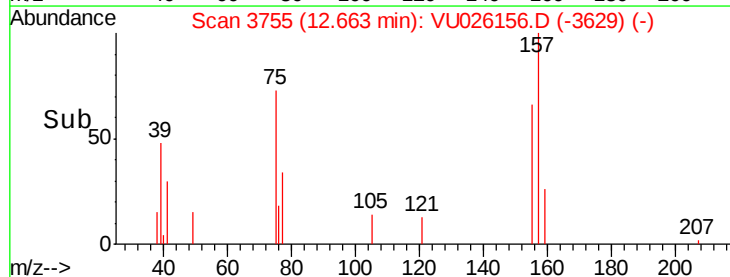
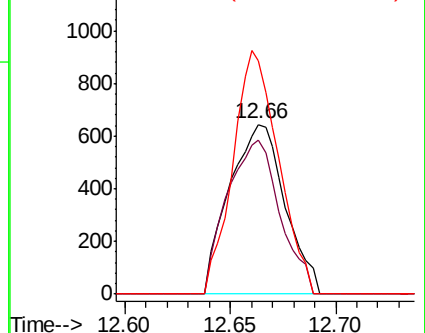
157 137.8 90.5 135.7#

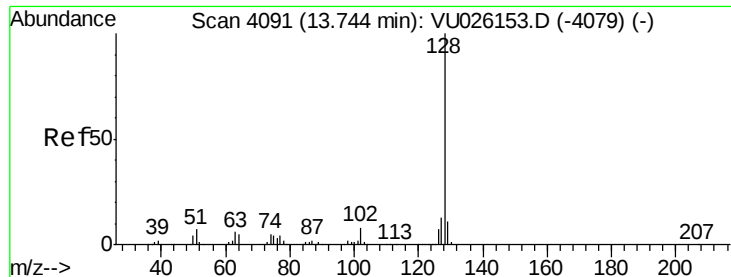


Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V





#69

Naphthalene

Concen: 1.291 ug/L

RT: 13.75 min Scan# 4094

Delta R.T. 0.01 min

Lab File: VU026156.D

Acq: 15 Aug 2018 19:10

Instrument :

MSVOA_U

ClientSampleId :

MDL01

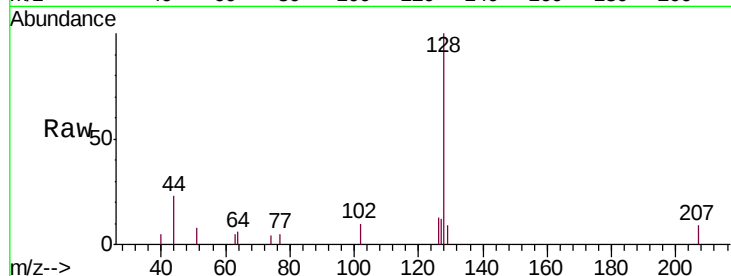
Tgt Ion:128 Resp: 6947

Ion Ratio Lower Upper

128 100

127 7.6 10.3 15.5#

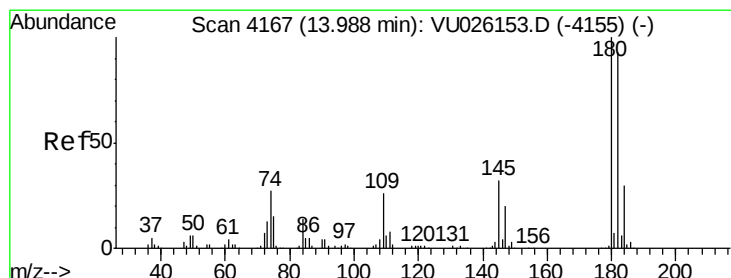
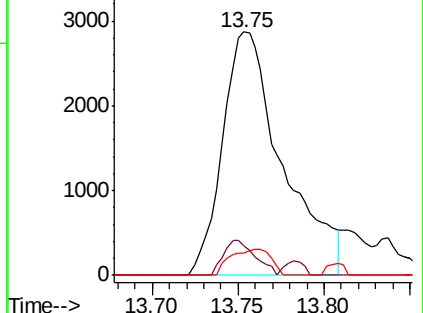
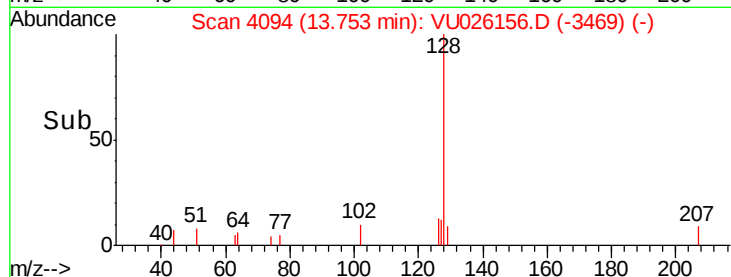
129 7.3 8.6 13.0#



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#70

1,2,3-Trichlorobenzene

Concen: 1.356 ug/L

RT: 13.99 min Scan# 4169

Delta R.T. 0.01 min

Lab File: VU026156.D

Acq: 15 Aug 2018 19:10

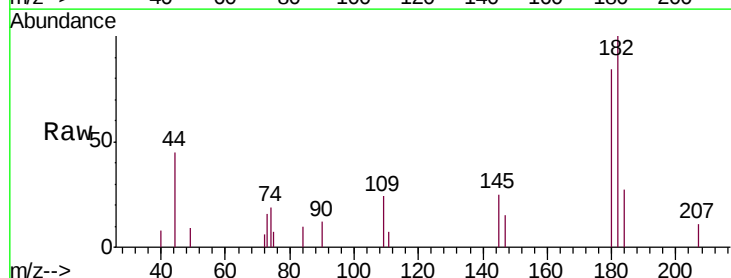
Tgt Ion:180 Resp: 2749

Ion Ratio Lower Upper

180 100

182 128.5 77.1 115.7#

145 30.2 25.1 37.7



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

