

Data File : VU026161.D
Acq On : 15 Aug 2018 21:12
Operator : MD/SY
Sample : MDL06
Misc : 5.00g/5mL/100uL/5.00mL/MSVOA_U/MEOH
ALS Vial : 33 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
MDL06

Quant Time: Aug 16 04:42:33 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	280886	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	265052	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.49	152	111884	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	69402	42.08	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	84.16%
7) Chloroethane-d5	1.67	69	59262	43.71	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	87.42%
11) 1,1-Dichloroethene-d2	2.27	63	110420	34.09	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	68.18%
21) 2-Butanone-d5	4.18	46	130468	103.09	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	103.09%
24) Chloroform-d	4.65	84	169206	45.80	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	91.60%
26) 1,2-Dichloroethane-d4	5.31	65	114877	47.51	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.02%
32) Benzene-d6	5.35	84	325825	47.68	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.36%
36) 1,2-Dichloropropane-d6	6.33	67	108225	48.17	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	96.34%
41) Toluene-d8	7.57	98	293126	44.81	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	89.62%
43) trans-1,3-Dichloropropene-	7.85	79	49335	46.38	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	92.76%
47) 2-Hexanone-d5	8.31	63	95450	103.70	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	103.70%
57) 1,1,2,2-Tetrachloroethane-	10.44	84	148836	47.07	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	94.14%
64) 1,2-Dichlorobenzene-d4	11.86	152	114132	49.02	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	98.04%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.20	85	4313	1.939 ug/L	89
3) Chloromethane	1.33	50	4793	2.367 ug/L	98
5) Vinyl chloride	1.40	62	4381	2.167 ug/L #	72
6) Bromomethane	1.62	94	2226	2.136 ug/L	89
8) Chloroethane	1.69	64	2496	2.062 ug/L	98
9) Trichlorofluoromethane	1.89	101	5609	1.879 ug/L	91
10) 1,1,2-Trichloro-1,2,2-trif	2.28	101	3903	2.413 ug/L #	74
12) 1,1-Dichloroethene	2.28	96	3885	2.617 ug/L #	1
13) Acetone	2.32	43	4560	3.937 ug/L	97
14) Carbon disulfide	2.48	76	9936	1.930 ug/L	98
15) Methyl Acetate	2.62	43	5130	2.553 ug/L #	84
16) Methylene chloride	2.70	84	4365	2.195 ug/L	86
17) trans-1,2-Dichloroethene	2.99	96	3490	1.982 ug/L	79
18) Methyl tert-butyl Ether	3.00	73	10832	1.938 ug/L #	93
19) 1,1-Dichloroethane	3.45	63	6875	2.028 ug/L	98
20) cis-1,2-Dichloroethene	4.24	96	4001	2.027 ug/L	93
22) 2-Butanone	4.27	43	2333	1.617 ug/L #	48

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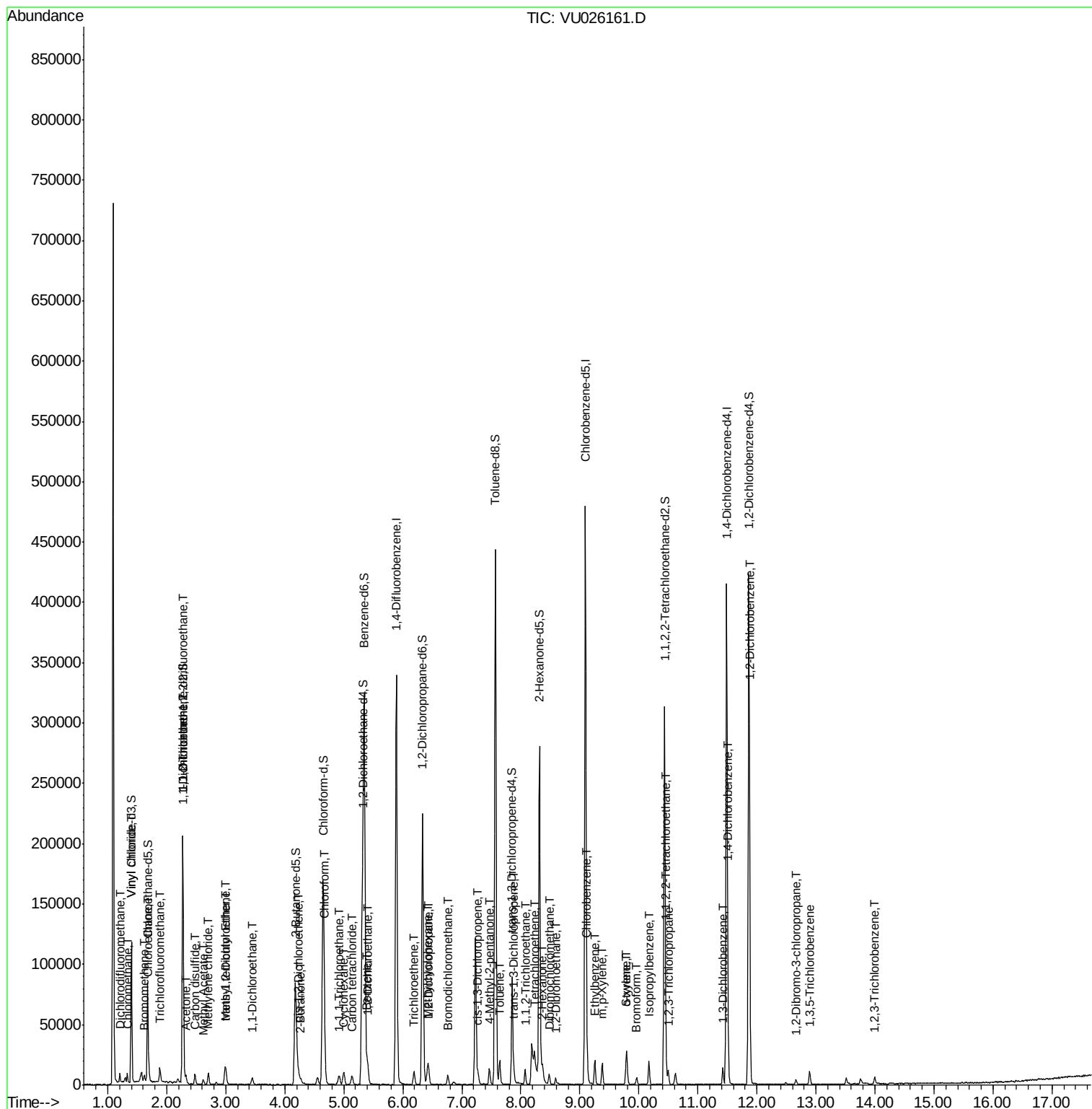
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
25) Chloroform	4.68	83	9014	2.533	ug/L	100
27) 1,2-Dichloroethane	5.41	62	5898	2.050	ug/L	96
29) Cyclohexane	5.00	56	4441	1.677	ug/L #	86
30) 1,1,1-Trichloroethane	4.92	97	6587	2.080	ug/L #	84
31) Carbon tetrachloride	5.14	117	5400	1.882	ug/L	96
33) Benzene	5.39	78	15194	2.117	ug/L	100
34) Trichloroethene	6.19	95	3784	2.024	ug/L	78
35) Methylcyclohexane	6.42	83	4968	1.770	ug/L	99
37) 1,2-Dichloropropane	6.44	63	3972	1.982	ug/L #	94
38) Bromodichloromethane	6.76	83	5224	1.968	ug/L #	96
39) cis-1,3-Dichloropropene	7.27	75	6125	2.059	ug/L	97
40) 4-Methyl-2-pentanone	7.46	43	9368	3.768	ug/L #	73
42) Toluene	7.64	91	15800	2.073	ug/L	92
44) trans-1,3-Dichloropropene	7.89	75	5413	1.888	ug/L	95
45) 1,1,2-Trichloroethane	8.07	97	3679	1.936	ug/L	94
46) Tetrachloroethene	8.23	164	3095	1.919	ug/L	87
48) 2-Hexanone	8.37	43	9065	4.653	ug/L #	94
49) Dibromochloromethane	8.48	129	4180	1.826	ug/L	97
50) 1,2-Dibromoethane	8.59	107	3555	1.801	ug/L #	91
51) Chlorobenzene	9.12	112	9998	1.919	ug/L #	87
52) Ethylbenzene	9.25	91	14367	1.730	ug/L	95
53) m,p-Xylene	9.38	106	4817	1.506	ug/L	78
54) o-xylene	9.78	106	5257	1.647	ug/L	91
55) Styrene	9.80	104	8242	1.550	ug/L	95
56) Isopropylbenzene	10.17	105	12578	1.535	ug/L	97
58) 1,1,2,2-Tetrachloroethane	10.46	83	6764	2.131	ug/L #	92
59) 1,2,3-Trichloropropane	10.50	75	4812	1.949	ug/L	97
61) Bromoform	9.96	173	3035	2.075	ug/L	96
62) 1,3-Dichlorobenzene	11.42	146	6107	1.821	ug/L	90
63) 1,4-Dichlorobenzene	11.51	146	6633	1.918	ug/L	92
65) 1,2-Dichlorobenzene	11.88	146	7490	2.090	ug/L #	90
66) 1,2-Dibromo-3-chloropropan	12.66	75	1166	2.052	ug/L #	75
67) 1,3,5-Trichlorobenzene	12.89	180	3623	1.463	ug/L	89
70) 1,2,3-Trichlorobenzene	13.99	180	2832	1.408	ug/L #	96

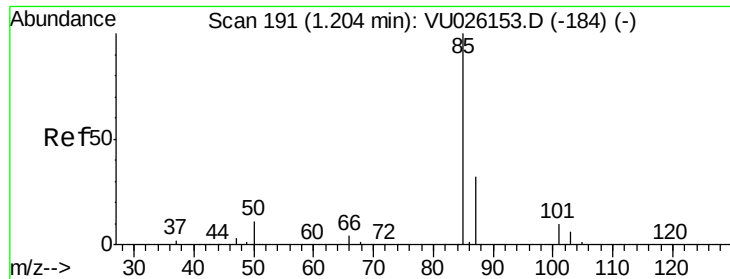
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 1.939 ug/L

RT: 1.20 min Scan# 191

Delta R.T. -0.00 min

Lab File: VU026161.D

Acq: 15 Aug 2018 21:12

Instrument :

MSVOA_U

ClientSampleId :

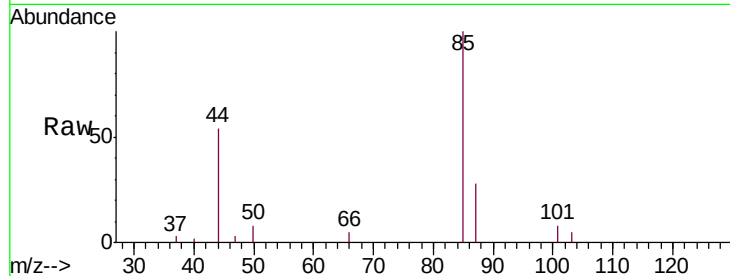
MDL06

Tgt Ion: 85 Resp: 4313

Ion Ratio Lower Upper

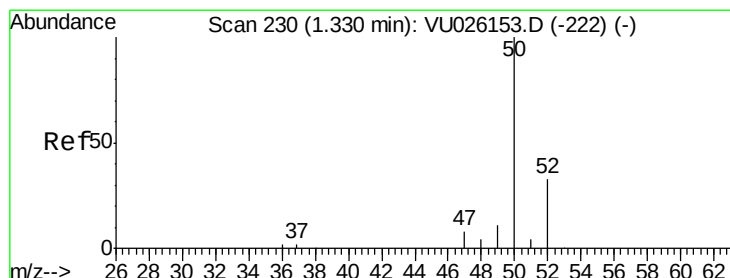
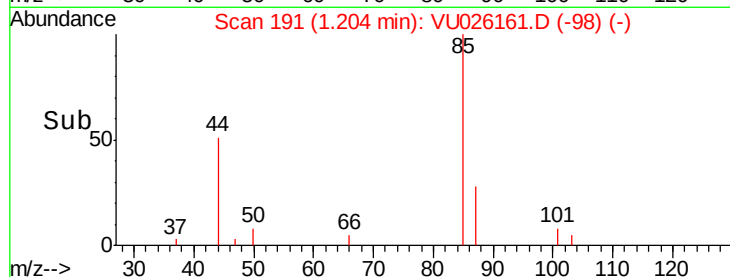
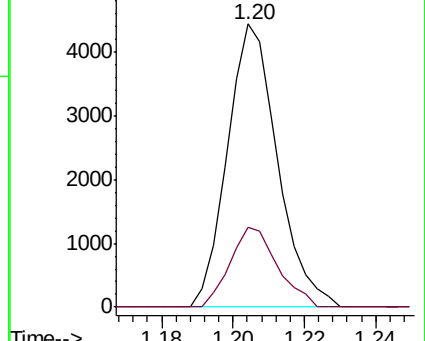
85 100

87 26.7 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: 2.367 ug/L

RT: 1.33 min Scan# 230

Delta R.T. -0.00 min

Lab File: VU026161.D

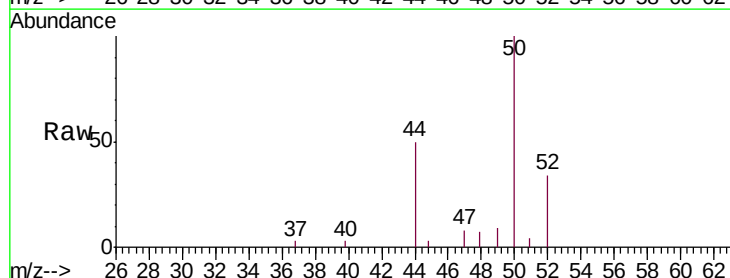
Acq: 15 Aug 2018 21:12

Tgt Ion: 50 Resp: 4793

Ion Ratio Lower Upper

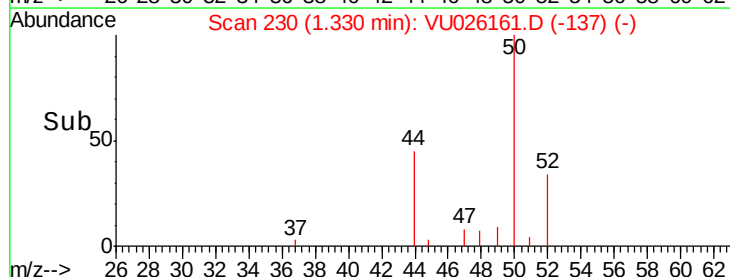
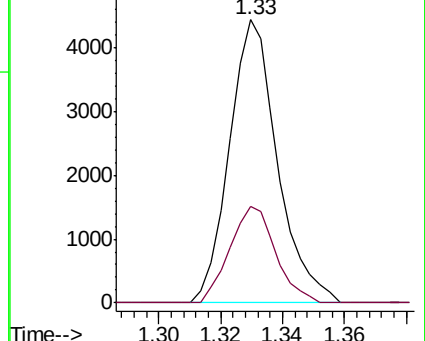
50 100

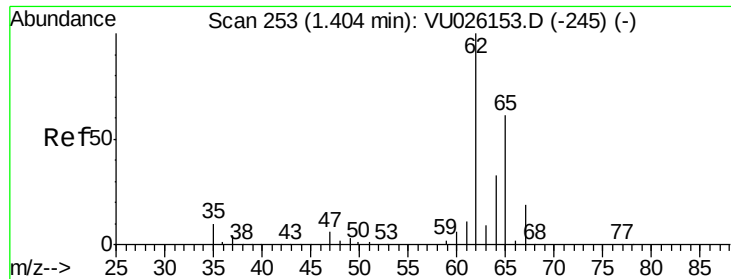
52 33.9 23.0 42.8



Abundance Ion 50.00 (49.70 to 50.70): VU0

Ion 52.00 (51.70 to 52.70): VU0





#5

Vinyl chloride

Concen: 2.167 ug/L

RT: 1.40 min Scan# 253

Delta R.T. -0.00 min

Lab File: VU026161.D

Acq: 15 Aug 2018 21:12

Instrument :

MSVOA_U

ClientSampleId :

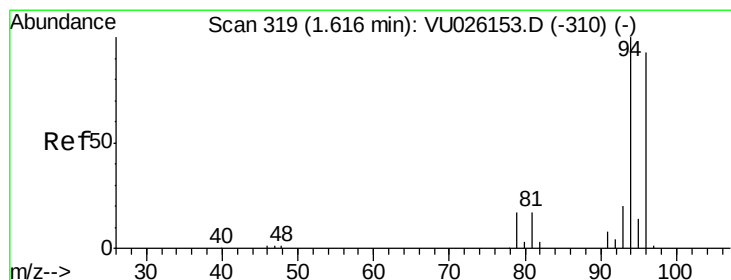
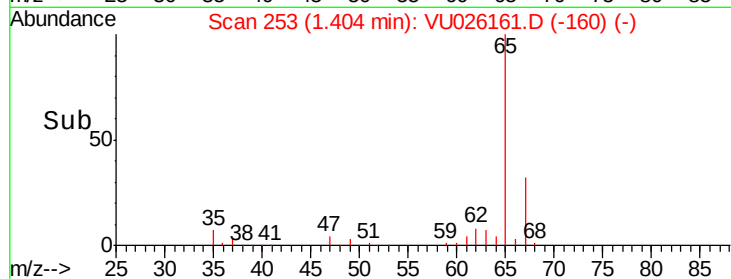
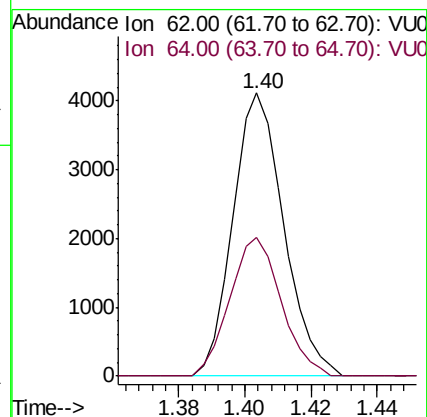
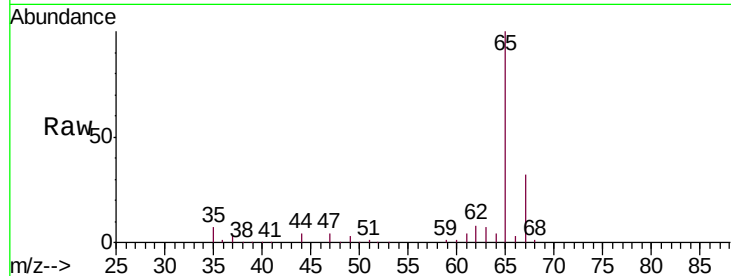
MDL06

Tgt Ion: 62 Resp: 4381

Ion Ratio Lower Upper

62 100

64 48.9 23.0 42.8#



#6

Bromomethane

Concen: 2.136 ug/L

RT: 1.62 min Scan# 320

Delta R.T. 0.00 min

Lab File: VU026161.D

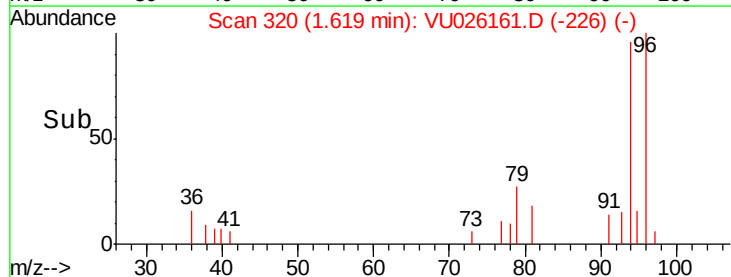
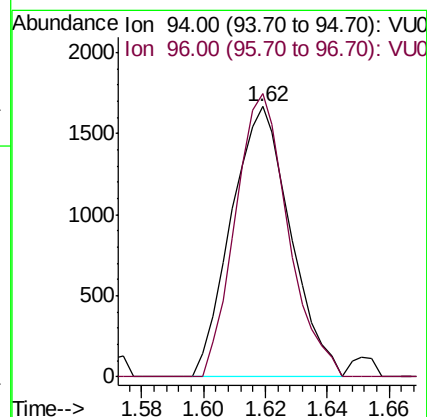
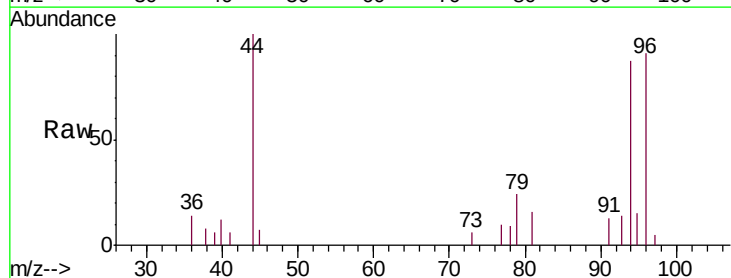
Acq: 15 Aug 2018 21:12

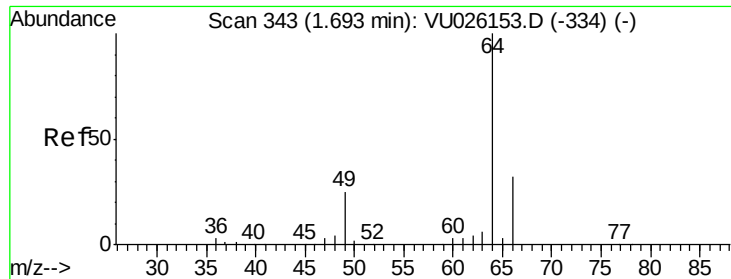
Tgt Ion: 94 Resp: 2226

Ion Ratio Lower Upper

94 100

96 104.7 65.9 122.5

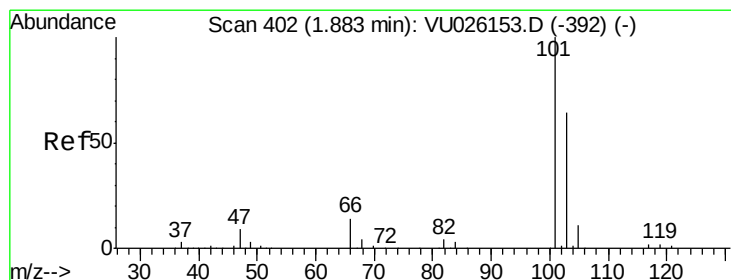
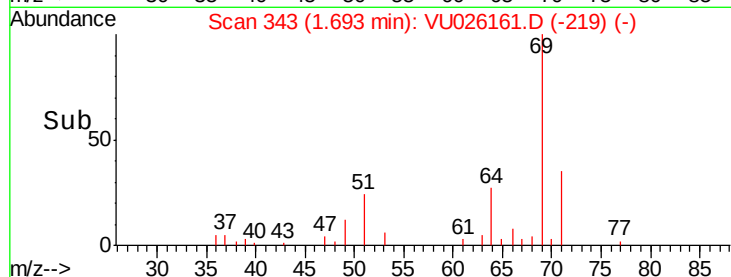
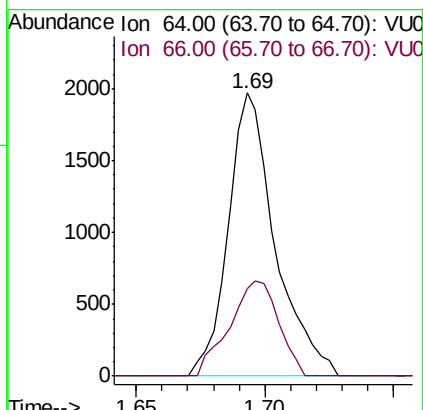
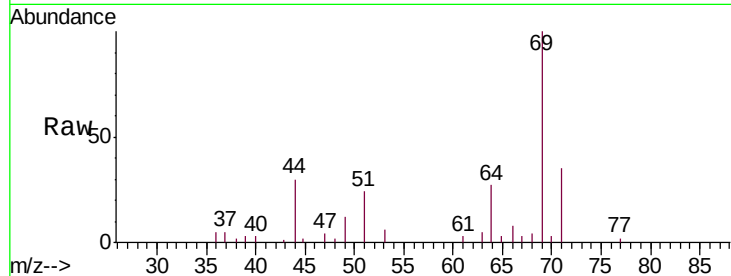




#8
Chloroethane
Concen: 2.062 ug/L
RT: 1.69 min Scan# 343
Delta R.T. -0.00 min
Lab File: VU026161.D
Acq: 15 Aug 2018 21:12

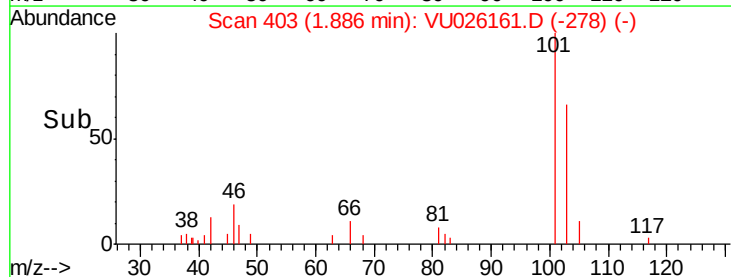
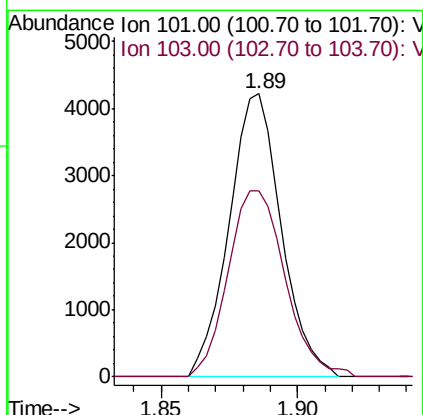
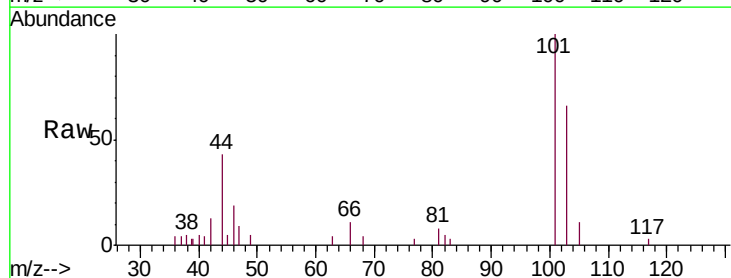
Instrument :
MSVOA_U
ClientSampled :
MDL06

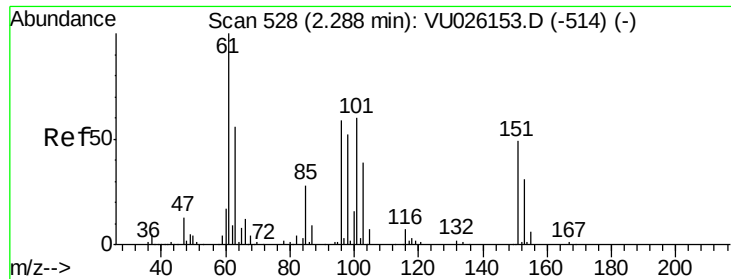
Tgt Ion: 64 Resp: 2496
Ion Ratio Lower Upper
64 100
66 30.7 22.2 41.2



#9
Trichlorofluoromethane
Concen: 1.879 ug/L
RT: 1.89 min Scan# 403
Delta R.T. 0.00 min
Lab File: VU026161.D
Acq: 15 Aug 2018 21:12

Tgt Ion: 101 Resp: 5609
Ion Ratio Lower Upper
101 100
103 71.5 51.4 77.2





#10

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

Concen: 2.413 ug/L

RT: 2.28 min Scan# 526

Delta R.T. -0.01 min

Lab File: VU026161.D

Acq: 15 Aug 2018 21:12

Instrument :

MSVOA_U

ClientSampleId :

MDL06

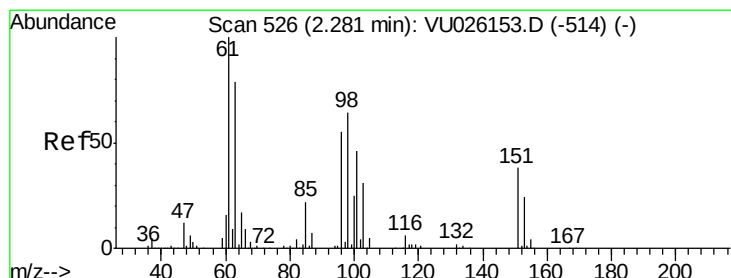
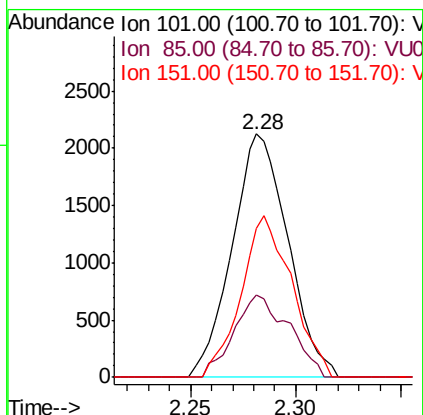
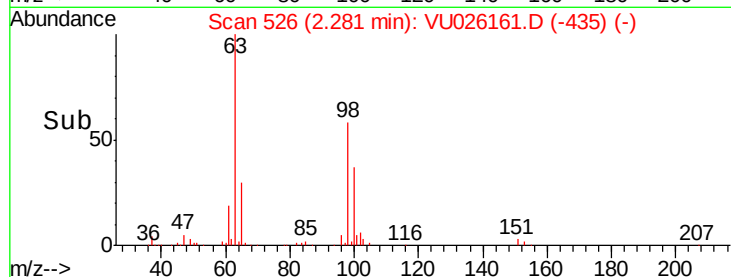
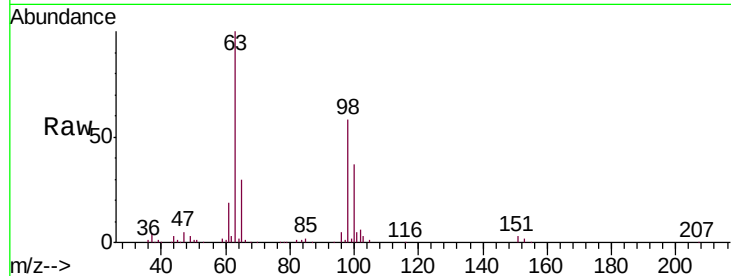
Tgt Ion: 101 Resp: 3903

Ion Ratio Lower Upper

101 100

85 24.0 36.6 55.0#

151 60.4 63.8 95.8#



#12

1,1-Dichloroethene

Concen: 2.617 ug/L

RT: 2.28 min Scan# 527

Delta R.T. 0.00 min

Lab File: VU026161.D

Acq: 15 Aug 2018 21:12

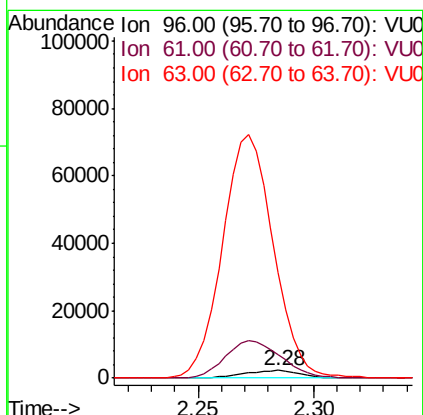
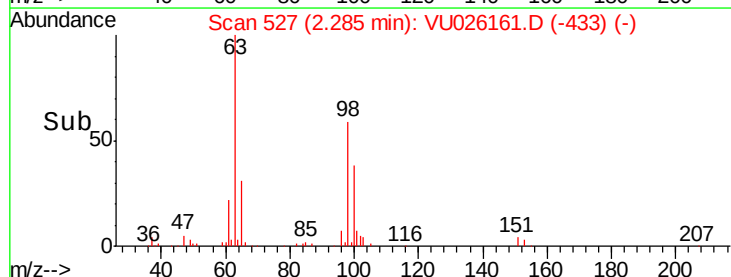
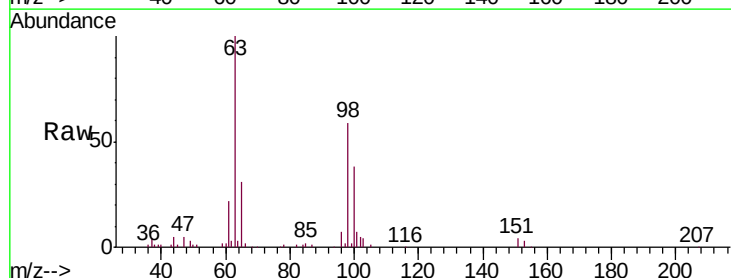
Tgt Ion: 96 Resp: 3885

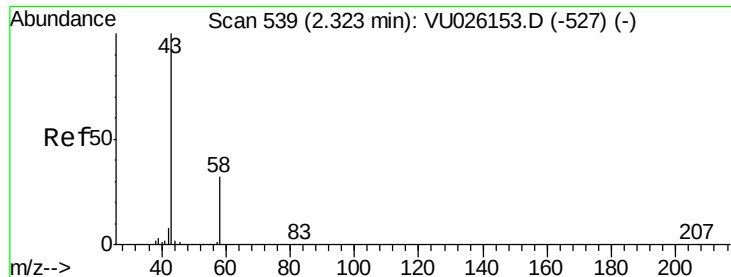
Ion Ratio Lower Upper

96 100

61 302.8 126.8 235.4#

63 1380.6 97.0 180.2#





#13

Acetone

Concen: 3.937 ug/L

RT: 2.32 min Scan# 539

Delta R.T. -0.00 min

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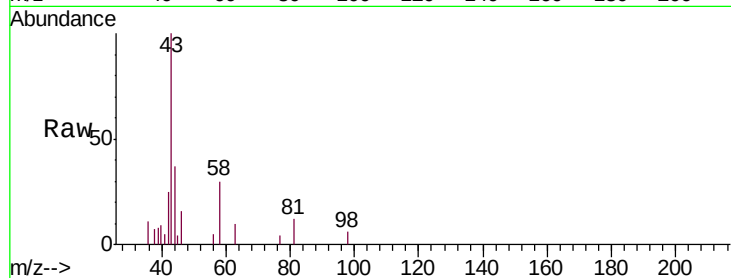
MDL06

Tgt Ion: 43 Resp: 4560

Ion Ratio Lower Upper

43 100

58 29.8 0.0 62.6



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0

2.32

2.35

Time-->

Abundance

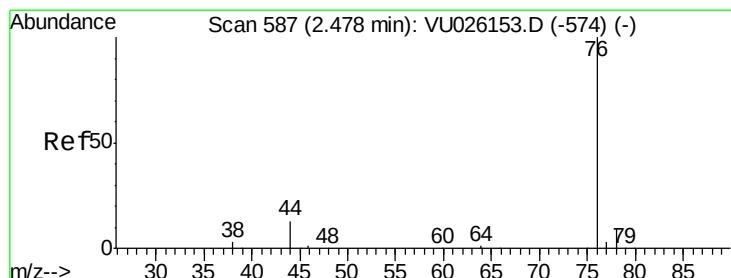
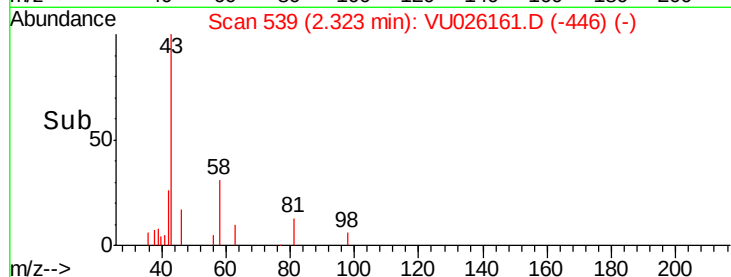
Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0

2.32

2.35

Time-->



#14

Carbon disulfide

Concen: 1.930 ug/L

RT: 2.48 min Scan# 587

Delta R.T. -0.00 min

Lab File: VU026161.D

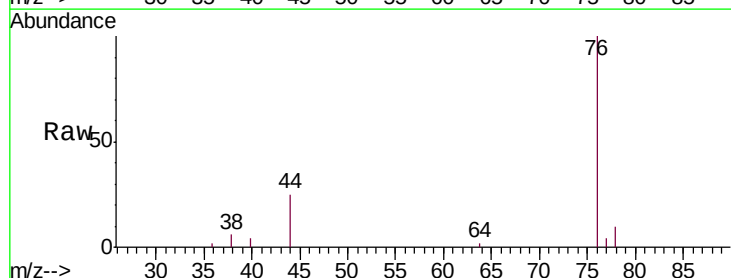
Acq: 15 Aug 2018 21:12

Tgt Ion: 76 Resp: 9936

Ion Ratio Lower Upper

76 100

78 10.0 7.4 11.2



Abundance Ion 76.00 (75.70 to 76.70): VU0

Ion 78.00 (77.70 to 78.70): VU0

2.48

2.55

Time-->

Abundance

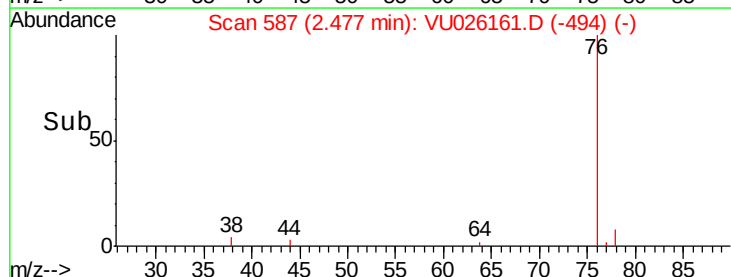
Ion 76.00 (75.70 to 76.70): VU0

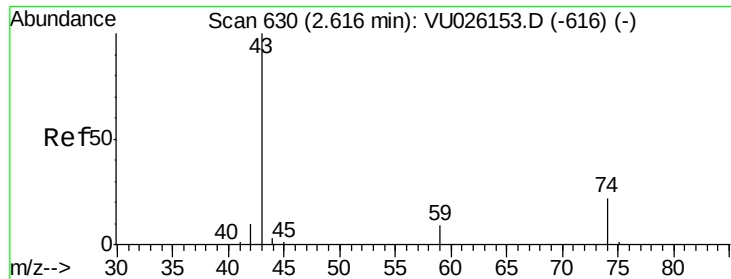
Ion 78.00 (77.70 to 78.70): VU0

2.48

2.55

Time-->

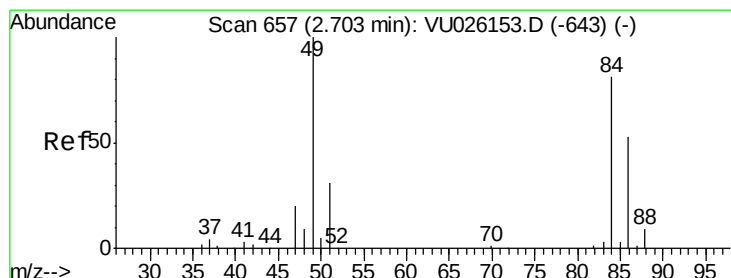
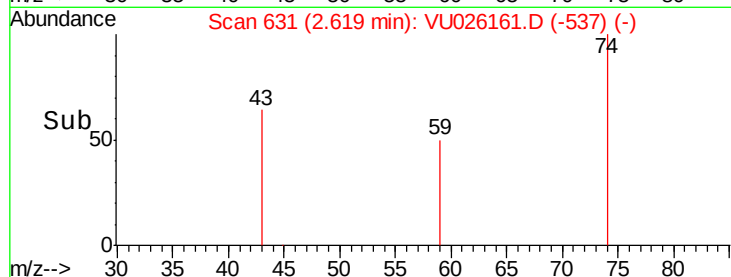
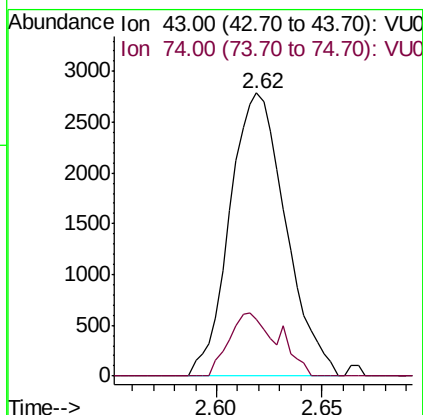
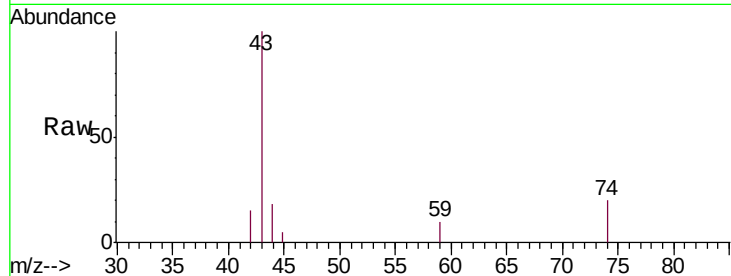




#15
Methyl Acetate
Concen: 2.553 ug/L
RT: 2.62 min Scan# 631
Delta R.T. 0.00 min
Lab File: VU026161.D
Acq: 15 Aug 2018 21:12

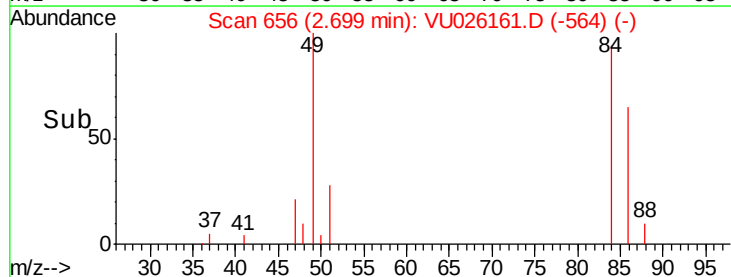
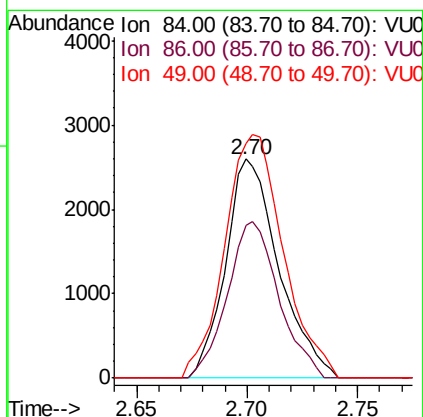
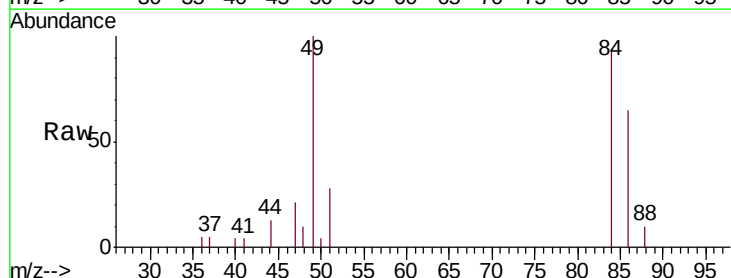
Instrument :
MSVOA_U
ClientSampleId :
MDL06

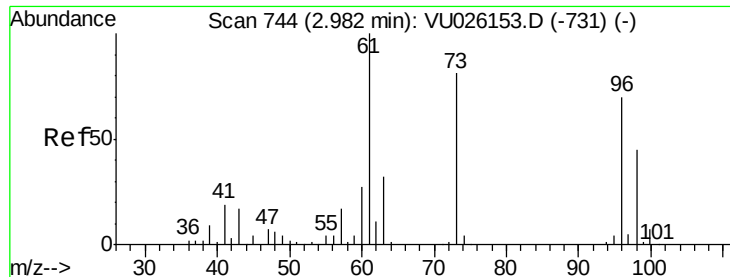
Tgt Ion: 43 Resp: 5130
Ion Ratio Lower Upper
43 100
74 15.7 18.6 28.0#



#16
Methylene chloride
Concen: 2.195 ug/L
RT: 2.70 min Scan# 656
Delta R.T. -0.00 min
Lab File: VU026161.D
Acq: 15 Aug 2018 21:12

Tgt Ion: 84 Resp: 4365
Ion Ratio Lower Upper
84 100
86 69.8 44.0 81.6
49 106.9 87.7 162.9





#17

trans-1,2-Dichloroethene

Concen: 1.982 ug/L

RT: 2.99 min Scan# 746

Delta R.T. 0.01 min

Lab File: VU026161.D

Acq: 15 Aug 2018 21:12

Instrument :

MSVOA_U

ClientSampleId :

MDL06

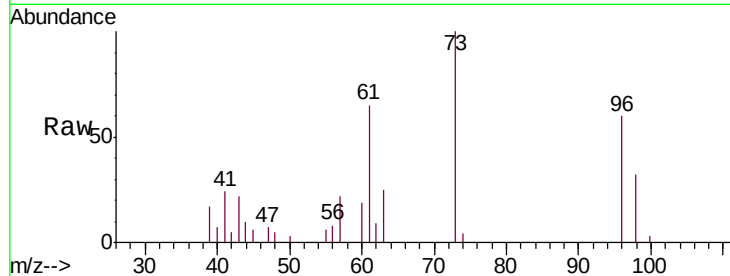
Tgt Ion: 96 Resp: 3490

Ion Ratio Lower Upper

96 100

61 107.6 96.7 179.5

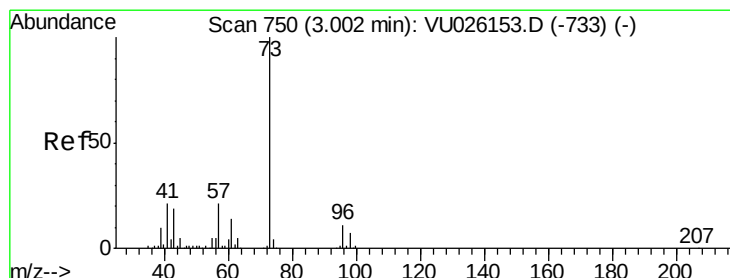
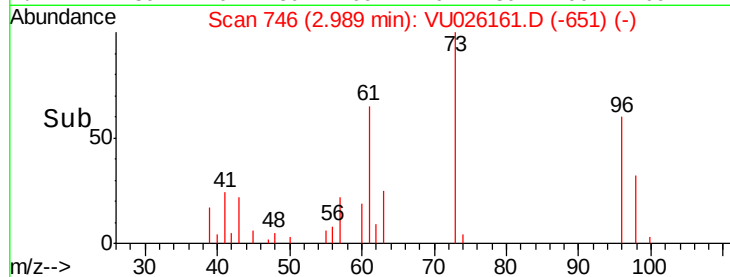
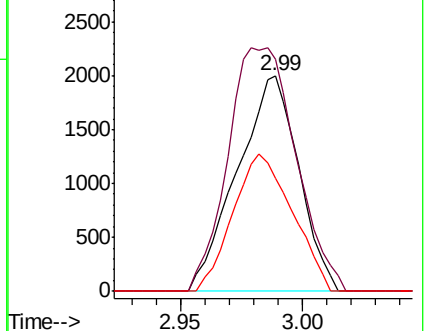
98 52.7 43.6 81.0



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: 1.938 ug/L

RT: 3.00 min Scan# 750

Delta R.T. -0.00 min

Lab File: VU026161.D

Acq: 15 Aug 2018 21:12

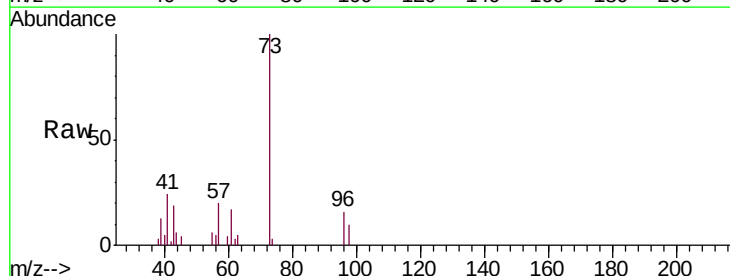
Tgt Ion: 73 Resp: 10832

Ion Ratio Lower Upper

73 100

43 20.2 16.2 24.4

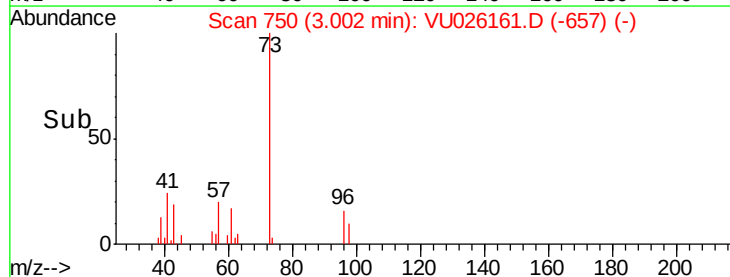
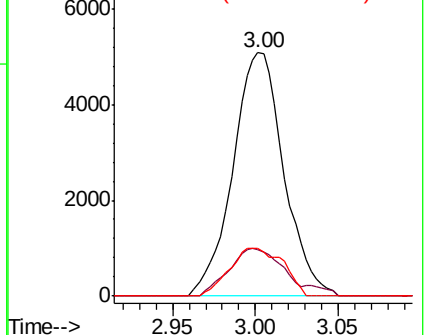
57 16.2 18.2 27.2#

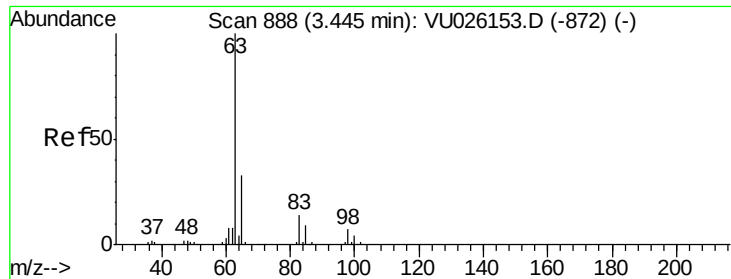


Abundance Ion 73.00 (72.70 to 73.70): VU0

Ion 43.00 (42.70 to 43.70): VU0

Ion 57.00 (56.70 to 57.70): VU0

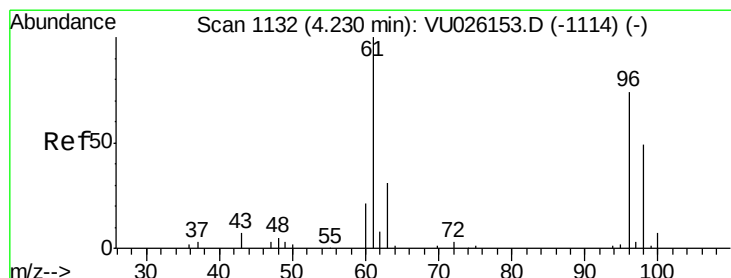
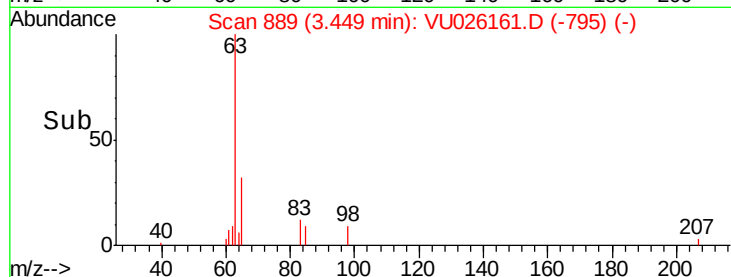
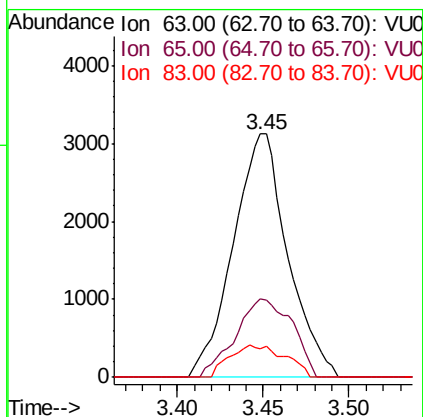
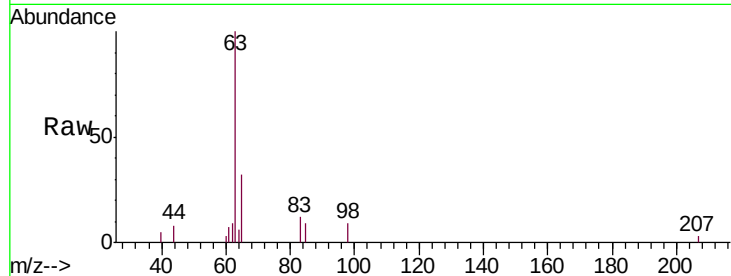




#19
 1,1-Dichloroethane
 Concen: 2.028 ug/L
 RT: 3.45 min Scan# 889
 Delta R.T. 0.00 min
 Lab File: VU026161.D
 Acq: 15 Aug 2018 21:12

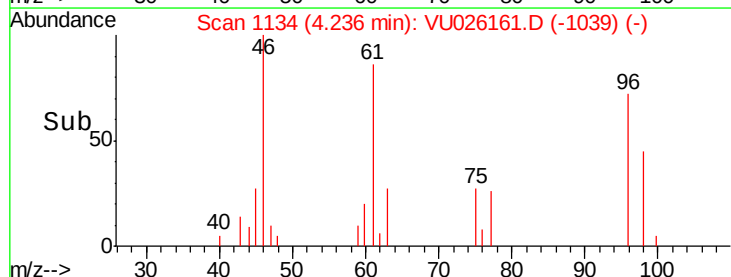
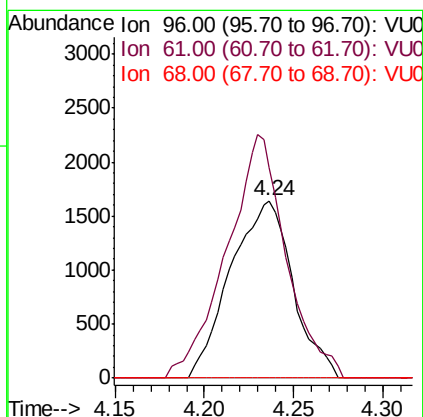
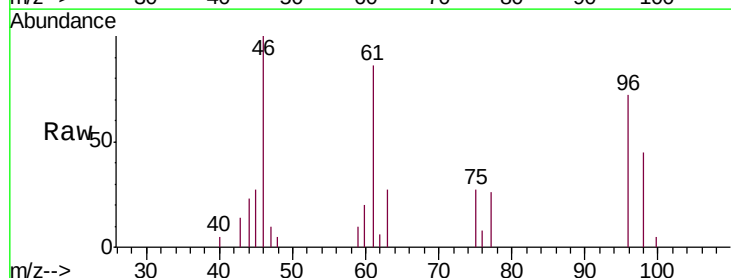
Instrument :
 MSVOA_U
 ClientSampled :
 MDL06

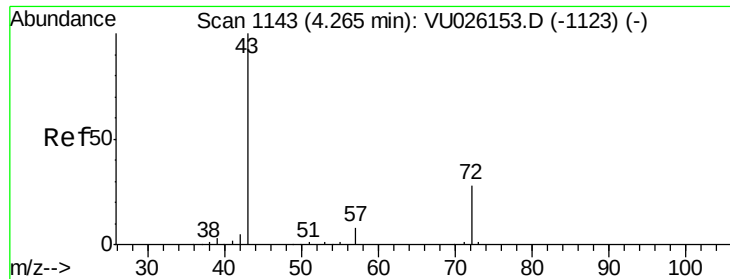
Tgt Ion: 63 Resp: 6875
 Ion Ratio Lower Upper
 63 100
 65 32.2 22.1 41.1
 83 11.9 9.4 17.4



#20
 cis-1,2-Dichloroethene
 Concen: 2.027 ug/L
 RT: 4.24 min Scan# 1134
 Delta R.T. 0.01 min
 Lab File: VU026161.D
 Acq: 15 Aug 2018 21:12

Tgt Ion: 96 Resp: 4001
 Ion Ratio Lower Upper
 96 100
 61 118.7 88.6 164.6
 68 0.0 0.0 0.0





#22

2-Butanone

Concen: 1.617 ug/L

RT: 4.27 min Scan# 1143

Delta R.T. -0.00 min

Lab File: VU026161.D

Acq: 15 Aug 2018 21:12

Instrument :

MSVOA_U

ClientSampleId :

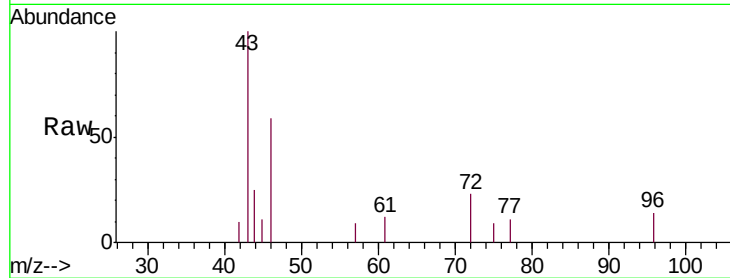
MDL06

Tgt Ion: 43 Resp: 2333

Ion Ratio Lower Upper

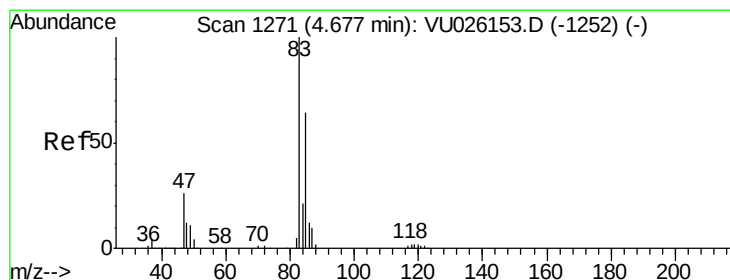
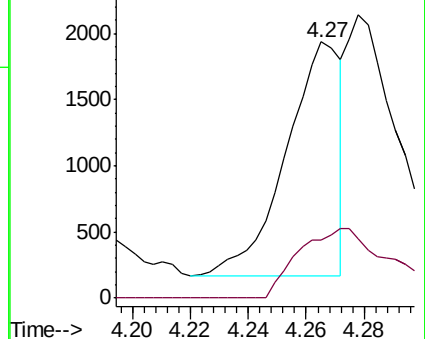
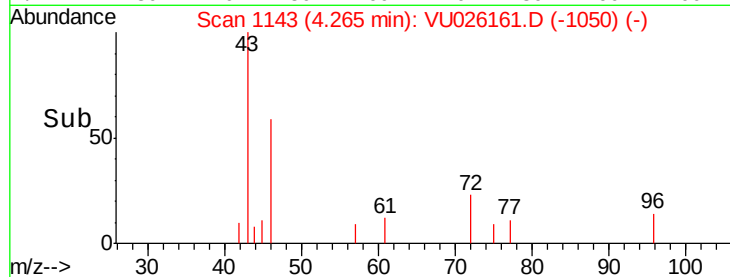
43 100

72 0.0 13.4 40.1#



Abundance Ion 43.00 (42.70 to 43.70): VU026161.D (-1050) (-)

Ion 72.00 (71.70 to 72.70): VU026161.D (-1050) (-)



#25

Chloroform

Concen: 2.533 ug/L

RT: 4.68 min Scan# 1271

Delta R.T. -0.00 min

Lab File: VU026161.D

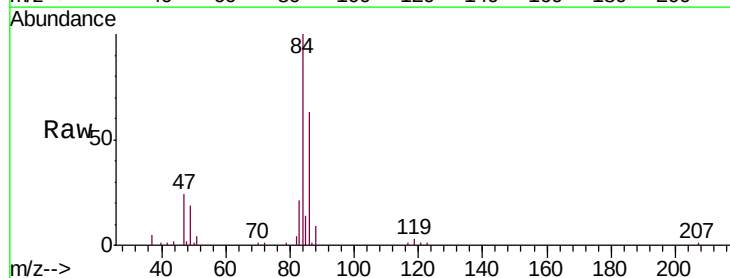
Acq: 15 Aug 2018 21:12

Tgt Ion: 83 Resp: 9014

Ion Ratio Lower Upper

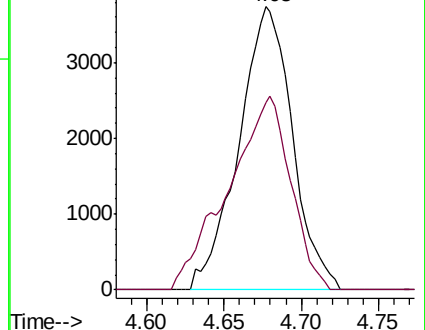
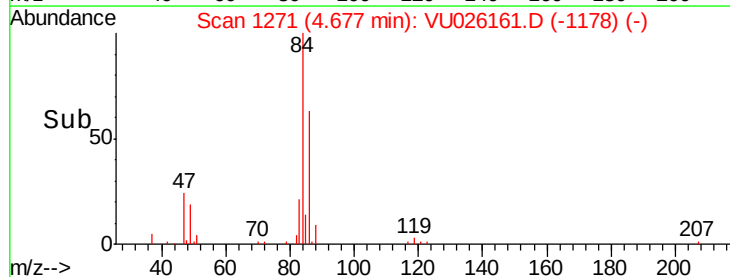
83 100

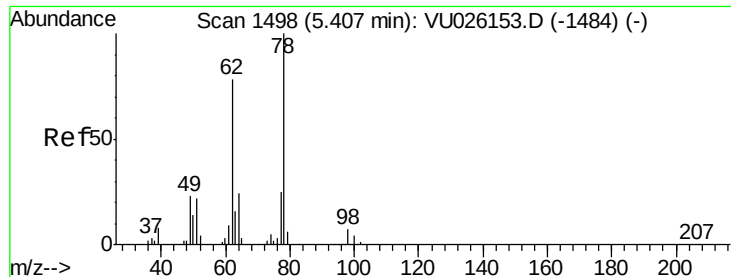
85 66.3 46.3 86.1



Abundance Ion 83.00 (82.70 to 83.70): VU026161.D (-1178) (-)

Ion 85.00 (84.70 to 85.70): VU026161.D (-1178) (-)

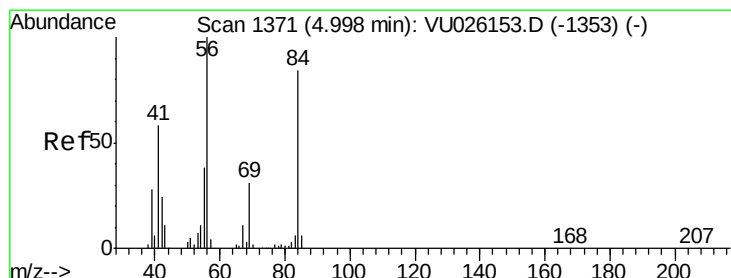
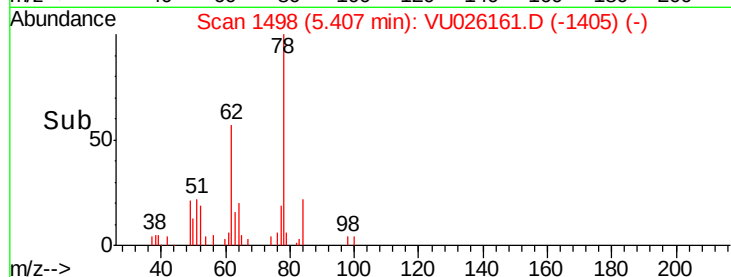
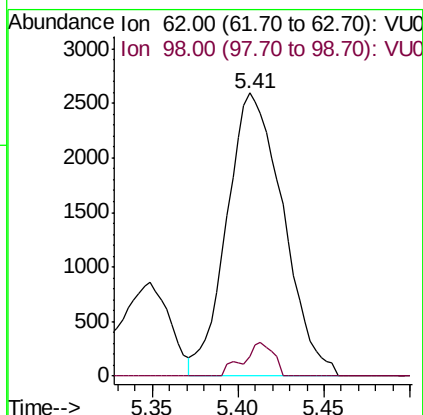
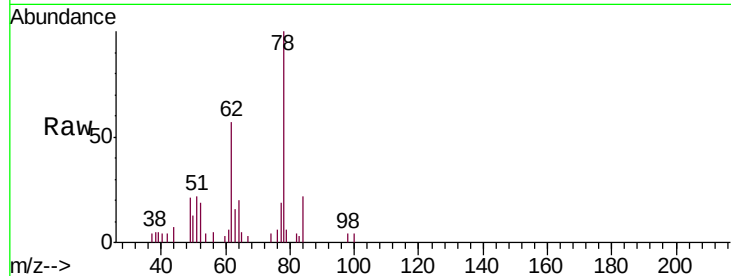




#27
 1,2-Dichloroethane
 Concen: 2.050 ug/L
 RT: 5.41 min Scan# 1498
 Delta R.T. -0.00 min
 Lab File: VU026161.D
 Acq: 15 Aug 2018 21:12

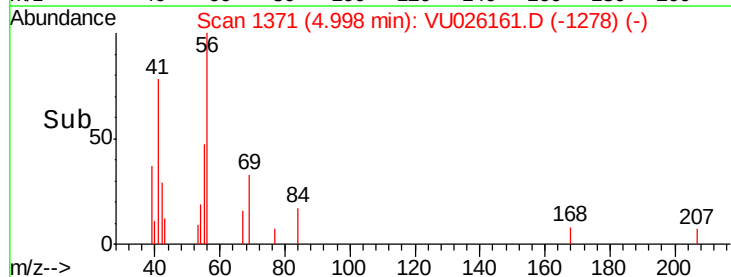
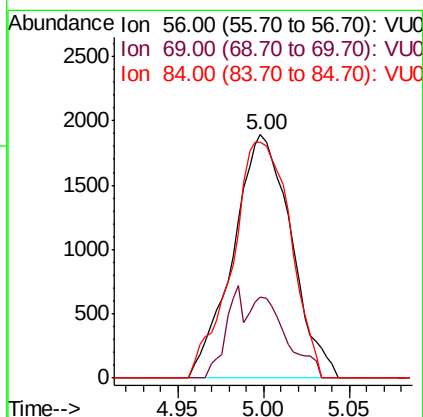
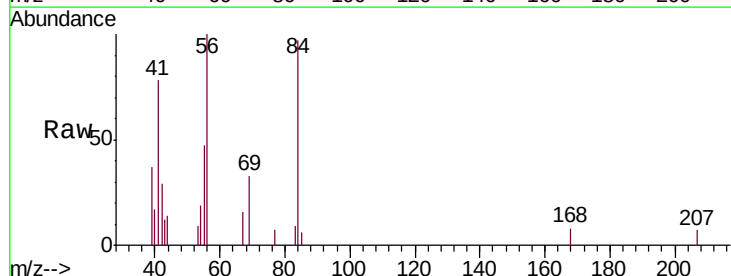
Instrument :
 MSVOA_U
 ClientSampleId :
 MDL06

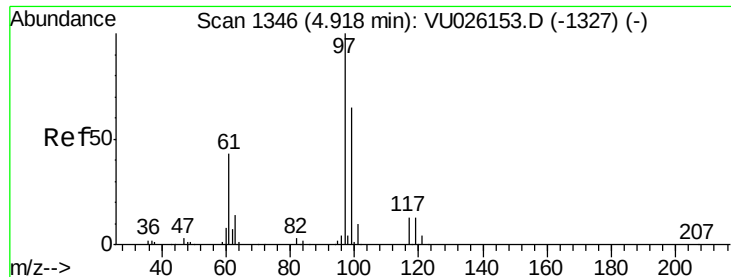
Tgt Ion: 62 Resp: 5898
 Ion Ratio Lower Upper
 62 100
 98 7.1 7.0 10.4



#29
 Cyclohexane
 Concen: 1.677 ug/L
 RT: 5.00 min Scan# 1371
 Delta R.T. -0.00 min
 Lab File: VU026161.D
 Acq: 15 Aug 2018 21:12

Tgt Ion: 56 Resp: 4441
 Ion Ratio Lower Upper
 56 100
 69 21.1 24.1 36.1#
 84 97.2 68.6 102.8

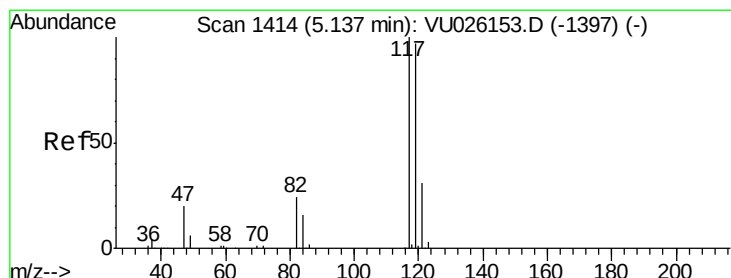
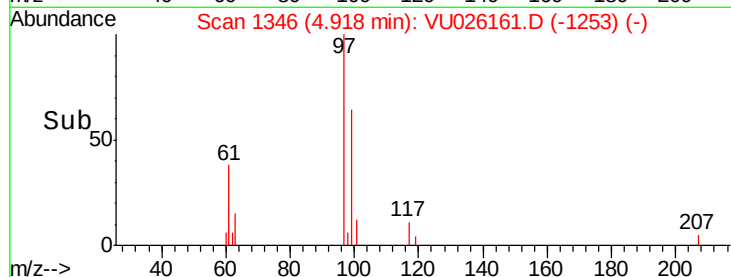
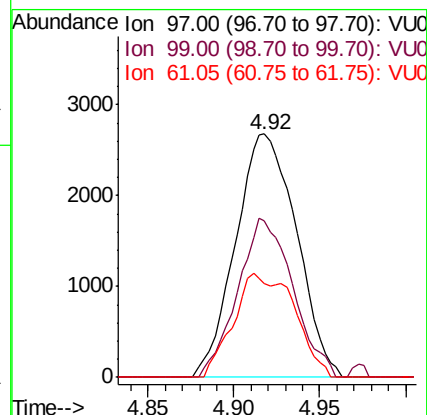
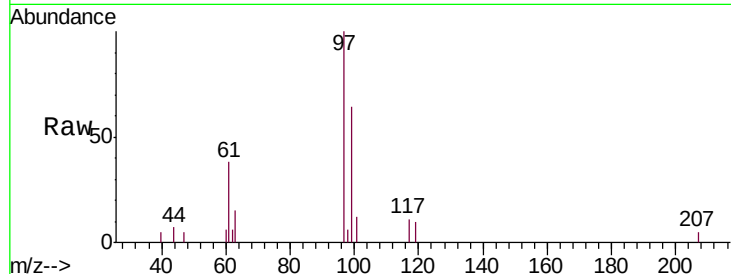




#30
 1,1,1-Trichloroethane
 Concen: 2.080 ug/L
 RT: 4.92 min Scan# 1346
 Delta R.T. -0.00 min
 Lab File: VU026161.D
 Acq: 15 Aug 2018 21:12

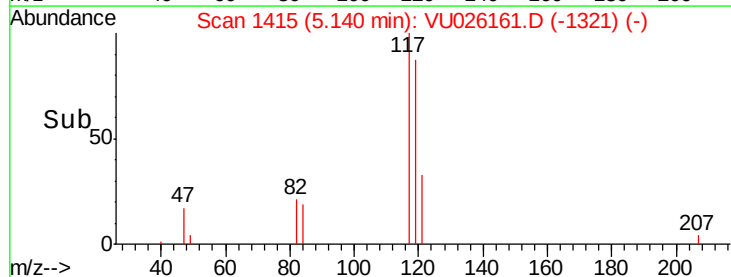
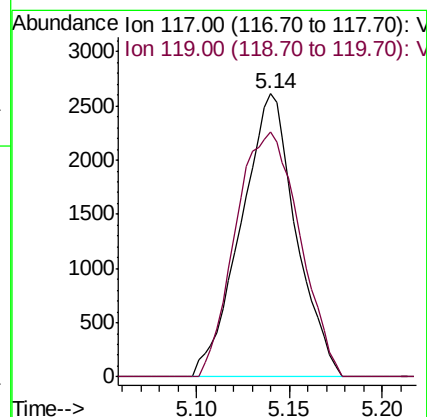
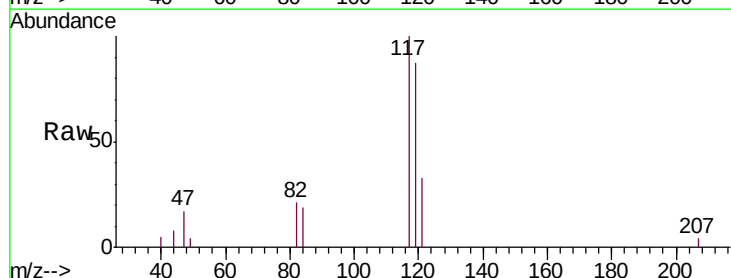
Instrument :
 MSVOA_U
 ClientSampleId :
 MDL06

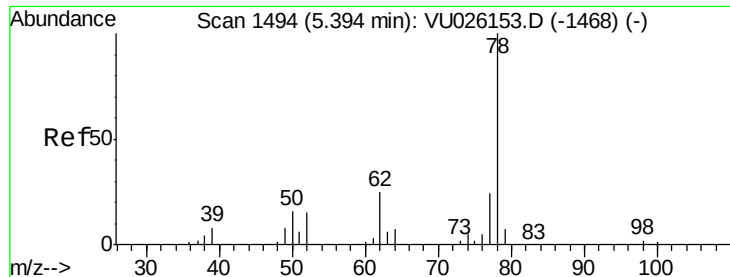
Tgt Ion: 97 Resp: 6587
 Ion Ratio Lower Upper
 97 100
 99 59.3 52.2 78.2
 61 25.5 35.4 53.0#



#31
 Carbon tetrachloride
 Concen: 1.882 ug/L
 RT: 5.14 min Scan# 1415
 Delta R.T. 0.00 min
 Lab File: VU026161.D
 Acq: 15 Aug 2018 21:12

Tgt Ion: 117 Resp: 5400
 Ion Ratio Lower Upper
 117 100
 119 100.9 77.4 116.2

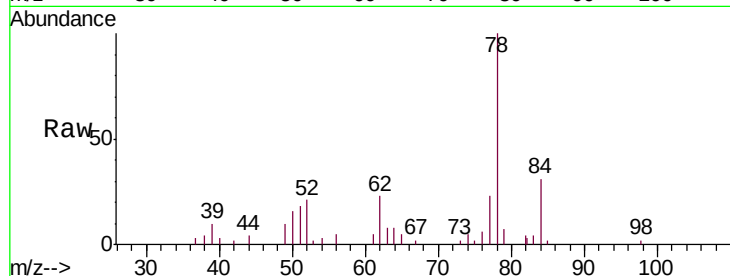




#33
Benzene
Concen: 2.117 ug/L
RT: 5.39 min Scan# 1494
Delta R.T. -0.00 min
Lab File: VU026161.D
Acq: 15 Aug 2018 21:12

Instrument :
MSVOA_U
ClientSampleId :
MDL06

Tgt Ion: 78 Resp: 15194



Abundance Ion 78.00 (77.70 to 78.70): VU0

5.39

6000

4000

2000

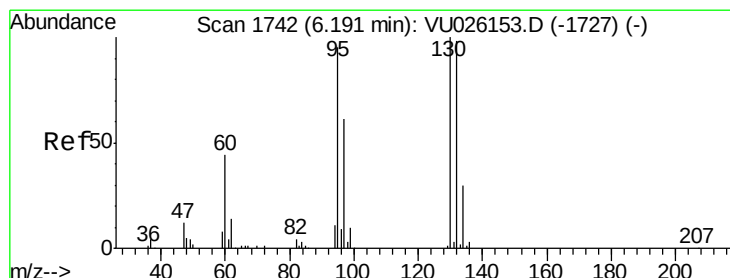
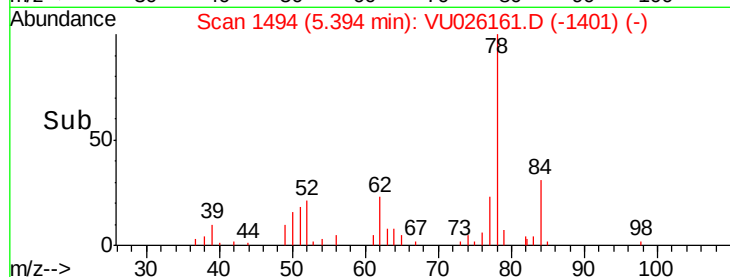
0

5.35

5.40

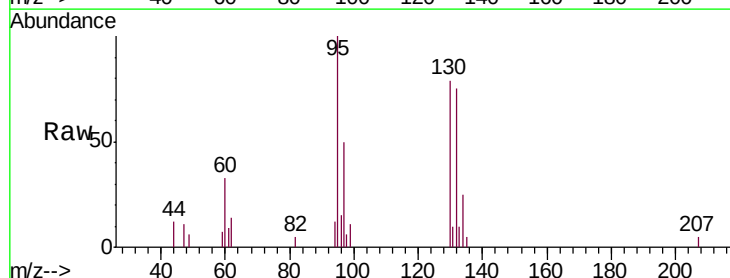
5.45

Time-->



#34
Trichloroethene
Concen: 2.024 ug/L
RT: 6.19 min Scan# 1741
Delta R.T. -0.00 min
Lab File: VU026161.D
Acq: 15 Aug 2018 21:12

Tgt Ion: 95 Resp: 3784
Ion Ratio Lower Upper
95 100
97 50.1 45.7 84.9
132 75.3 68.8 127.8
130 78.7 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

6.19

3000

2000

1000

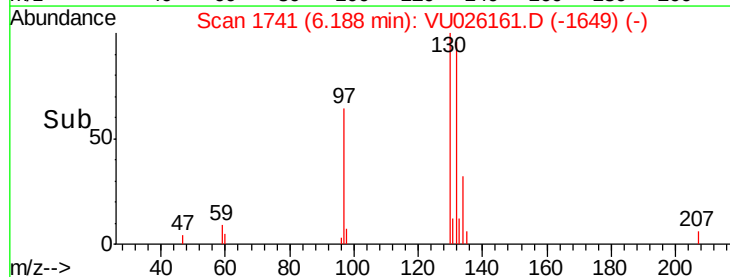
0

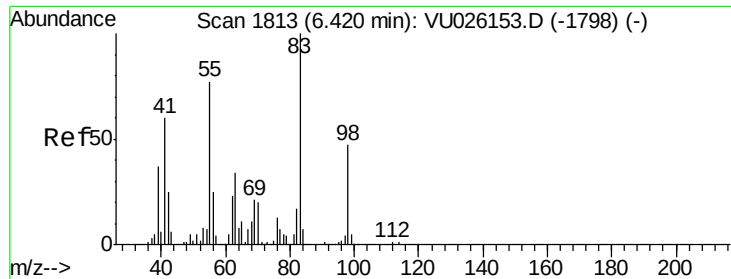
6.15

6.20

6.25

Time-->

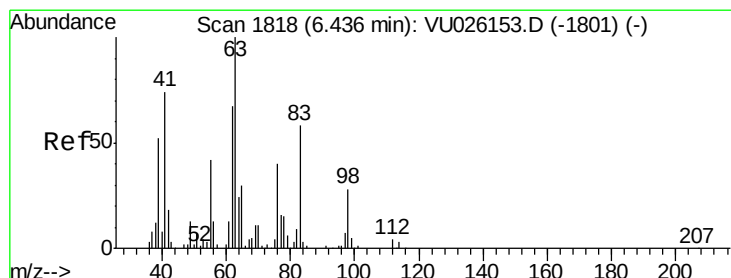
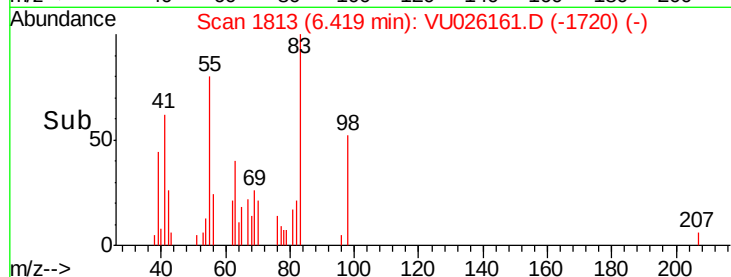
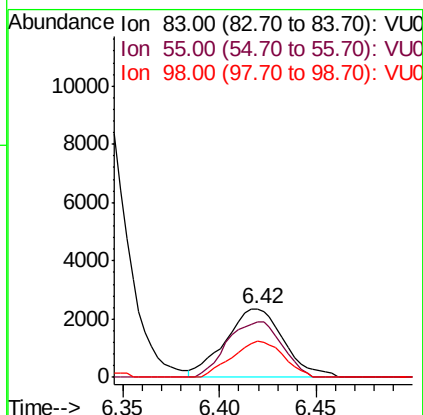
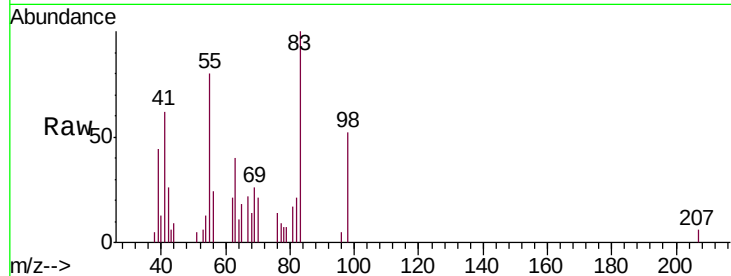




#35
Methylcyclohexane
Concen: 1.770 ug/L
RT: 6.42 min Scan# 1813
Delta R.T. -0.00 min
Lab File: VU026161.D
Acq: 15 Aug 2018 21:12

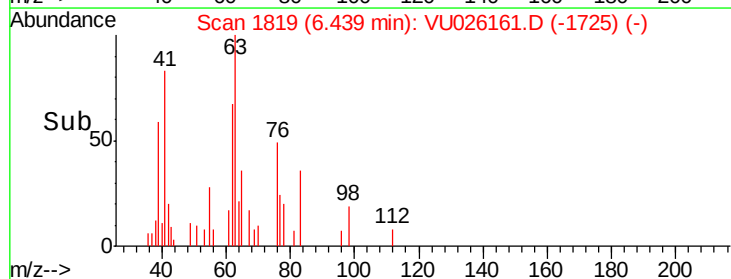
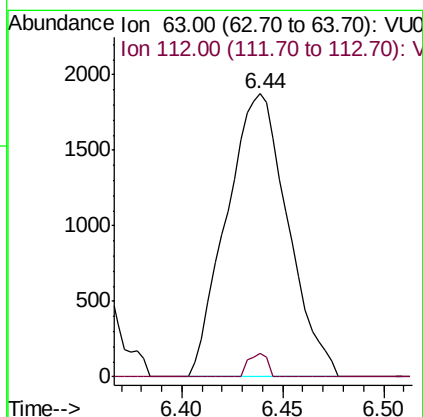
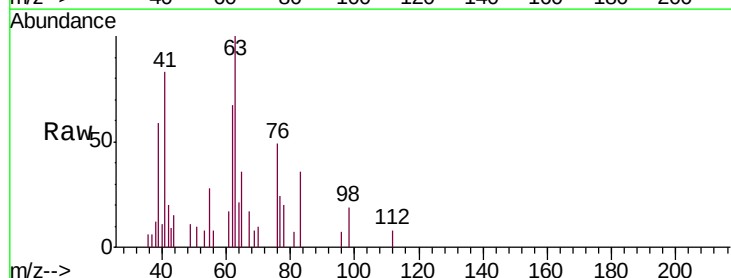
Instrument :
MSVOA_U
ClientSampleId :
MDL06

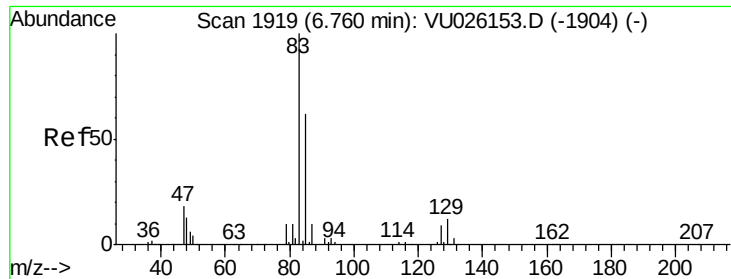
Tgt Ion: 83 Resp: 4968
Ion Ratio Lower Upper
83 100
55 75.5 61.0 91.6
98 45.9 37.6 56.4



#37
1,2-Dichloropropane
Concen: 1.982 ug/L
RT: 6.44 min Scan# 1819
Delta R.T. 0.00 min
Lab File: VU026161.D
Acq: 15 Aug 2018 21:12

Tgt Ion: 63 Resp: 3972
Ion Ratio Lower Upper
63 100
112 2.6 3.5 5.3#





#38

Bromodichloromethane

Concen: 1.968 ug/L

RT: 6.76 min Scan# 1919

Delta R.T. -0.00 min

Lab File: VU026161.D

Acq: 15 Aug 2018 21:12

Instrument :

MSVOA_U

ClientSampleId :

MDL06

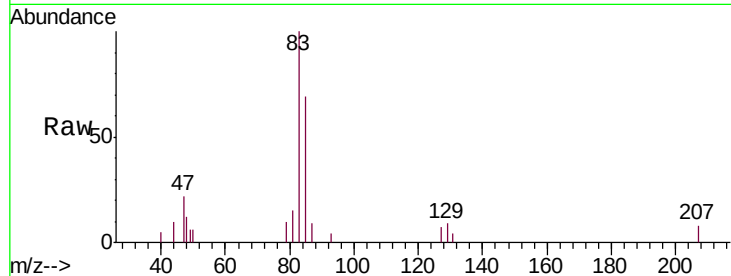
Tgt Ion: 83 Resp: 5224

Ion Ratio Lower Upper

83 100

85 68.8 46.0 85.4

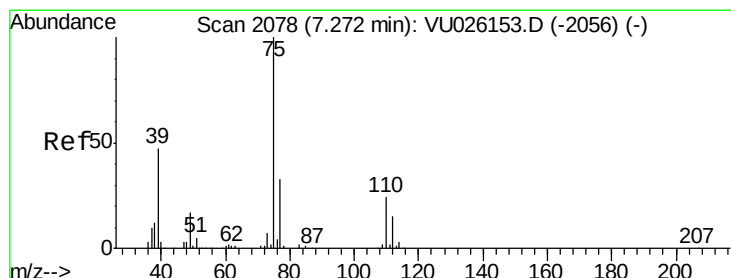
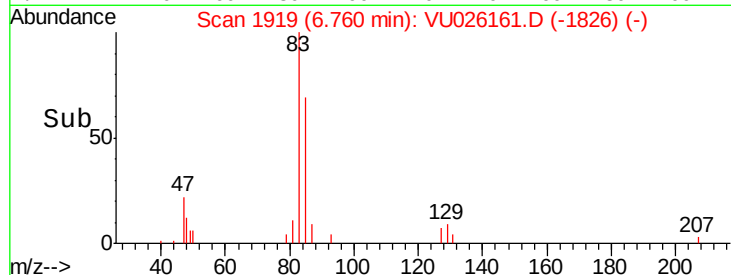
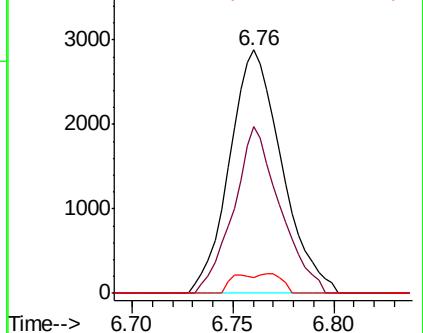
127 6.6 7.5 11.3#



Abundance Ion 83.00 (82.70 to 83.70): VU0

Ion 85.00 (84.70 to 85.70): VU0

Ion 127.00 (126.70 to 127.70): V



#39

cis-1,3-Dichloropropene

Concen: 2.059 ug/L

RT: 7.27 min Scan# 2079

Delta R.T. 0.00 min

Lab File: VU026161.D

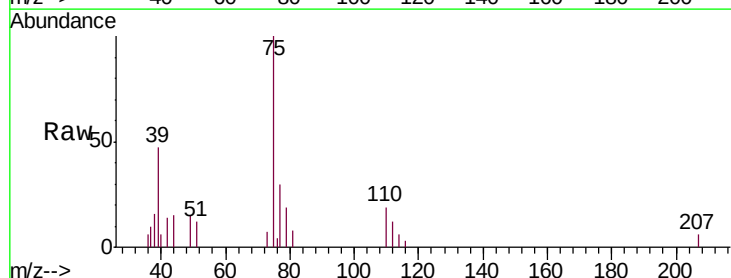
Acq: 15 Aug 2018 21:12

Tgt Ion: 75 Resp: 6125

Ion Ratio Lower Upper

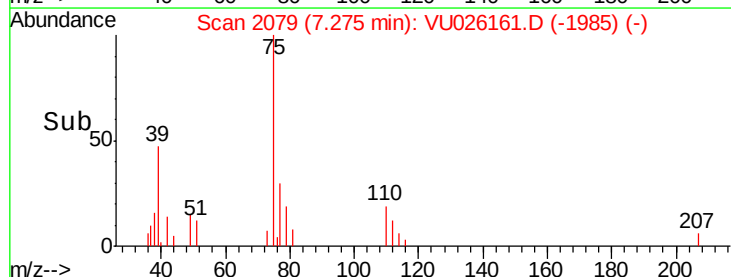
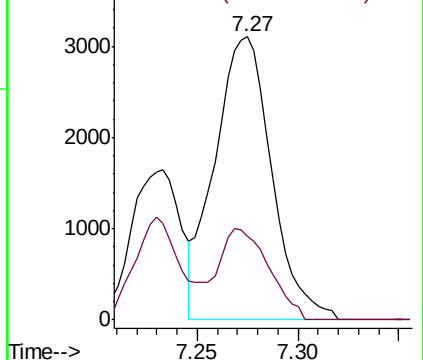
75 100

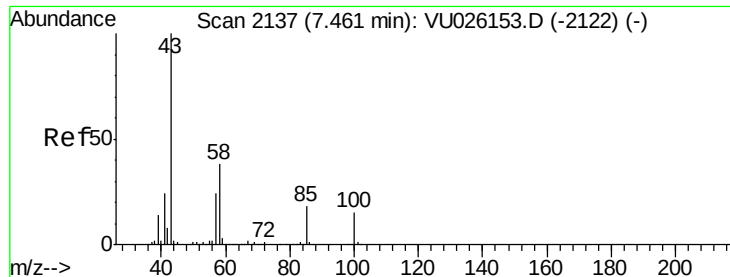
77 29.8 22.2 41.2



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0

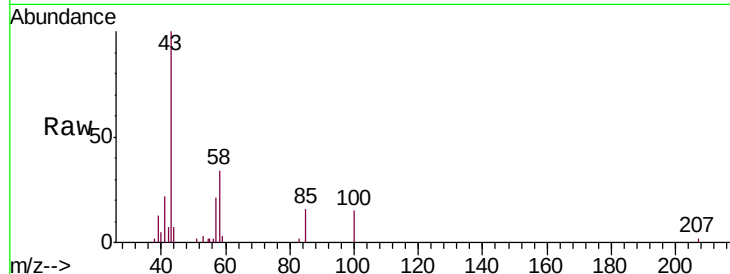




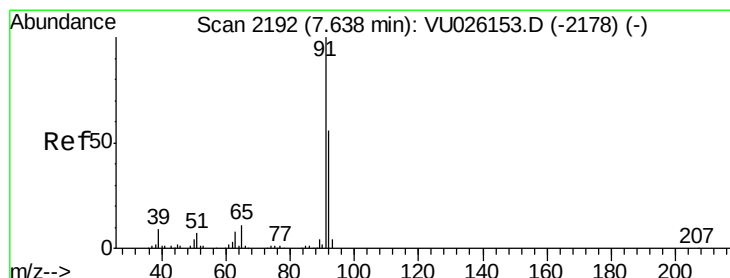
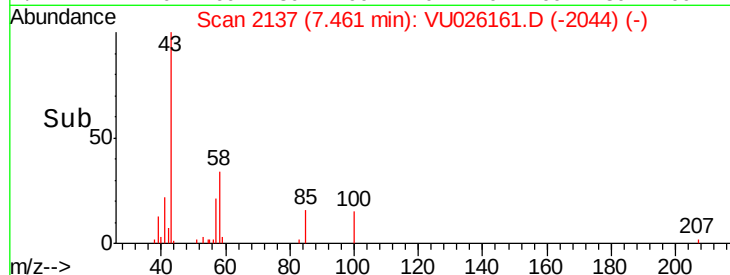
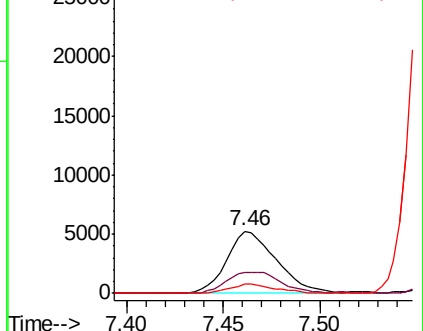
#40
4-Methyl-2-pentanone
Concen: 3.768 ug/L
RT: 7.46 min Scan# 2137
Delta R.T. -0.00 min
Lab File: VU026161.D
Acq: 15 Aug 2018 21:12

Instrument :
MSVOA_U
ClientSampleId :
MDL06

Tgt Ion: 43 Resp: 9368
Ion Ratio Lower Upper
43 100
58 18.1 31.8 47.8#
100 13.1 12.2 18.2

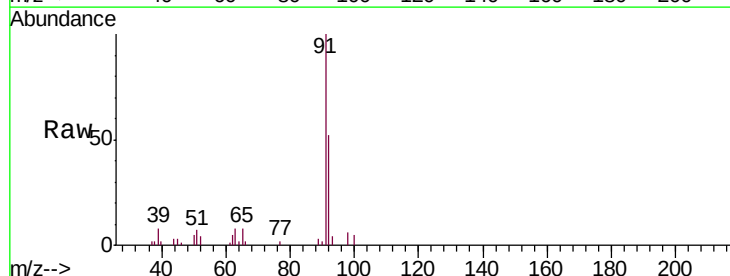


Abundance Ion 43.00 (42.70 to 43.70): VU0
Ion 58.00 (57.70 to 58.70): VU0
Ion 100.00 (99.70 to 100.70): VU0

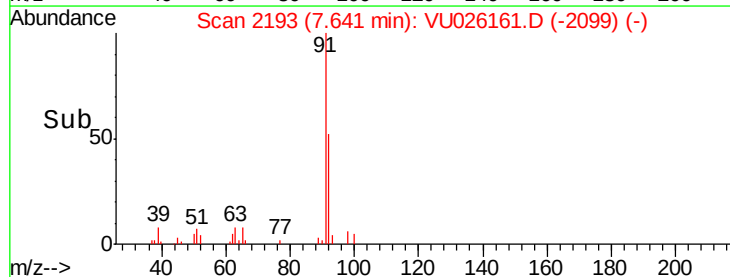
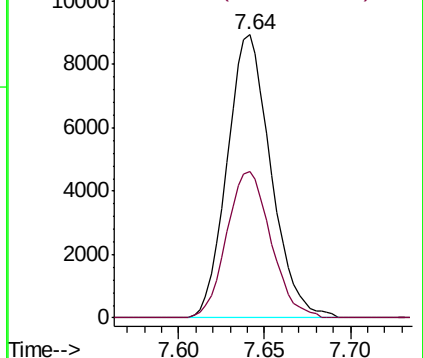


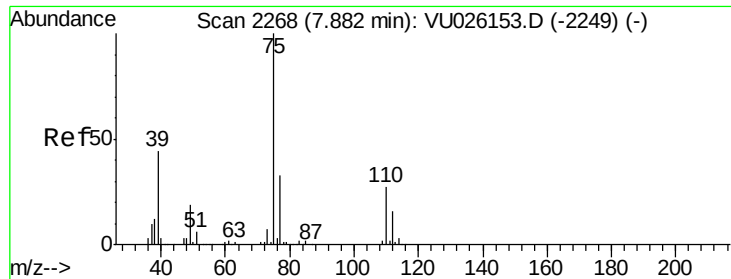
#42
Toluene
Concen: 2.073 ug/L
RT: 7.64 min Scan# 2193
Delta R.T. 0.00 min
Lab File: VU026161.D
Acq: 15 Aug 2018 21:12

Tgt Ion: 91 Resp: 15800
Ion Ratio Lower Upper
91 100
92 51.7 40.0 74.4



Abundance Ion 91.00 (90.70 to 91.70): VU0
Ion 92.00 (91.70 to 92.70): VU0





#44

trans-1,3-Dichloropropene

Concen: 1.888 ug/L

RT: 7.89 min Scan# 2269

Delta R.T. 0.00 min

Lab File: VU026161.D

Acq: 15 Aug 2018 21:12

Instrument :

MSVOA_U

ClientSampled :

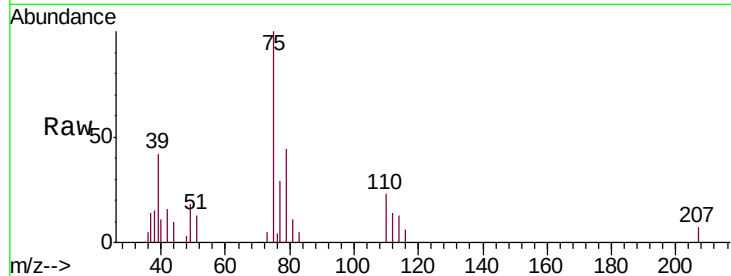
MDL06

Tgt Ion: 75 Resp: 5413

Ion Ratio Lower Upper

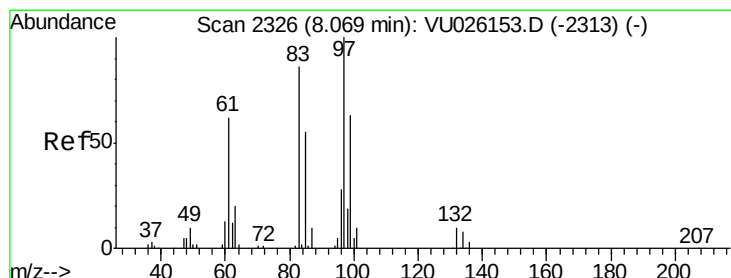
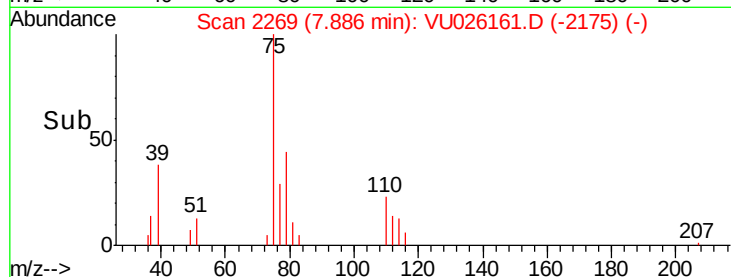
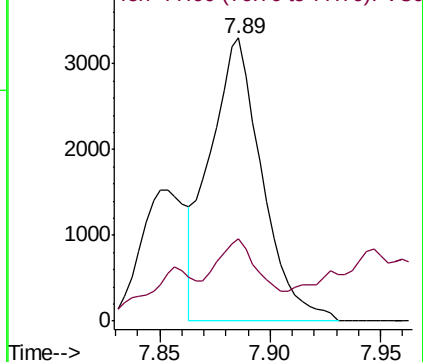
75 100

77 28.9 22.0 41.0



Abundance Ion 75.00 (74.70 to 75.70): VU026161.D (-2249) (-)

Ion 77.00 (76.70 to 77.70): VU026161.D (-2249) (-)



#45

1,1,2-Trichloroethane

Concen: 1.936 ug/L

RT: 8.07 min Scan# 2327

Delta R.T. 0.00 min

Lab File: VU026161.D

Acq: 15 Aug 2018 21:12

Tgt Ion: 97 Resp: 3679

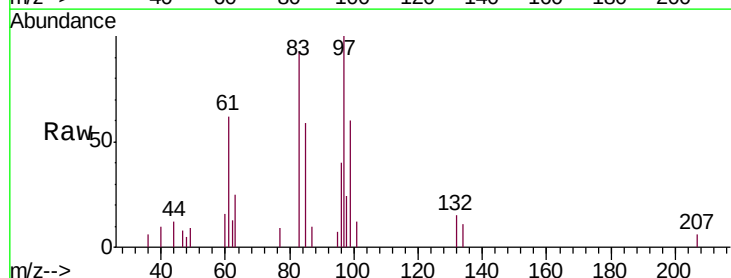
Ion Ratio Lower Upper

97 100

99 60.4 43.3 80.5

83 92.8 58.4 108.6

85 59.2 39.0 72.4

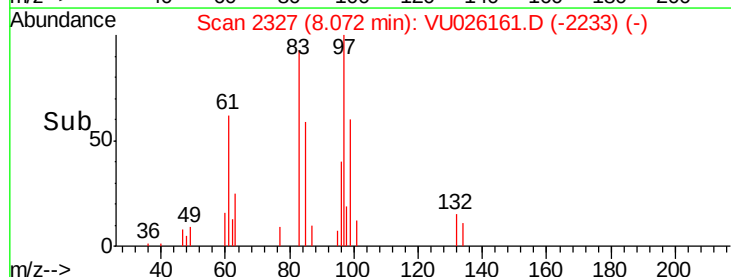
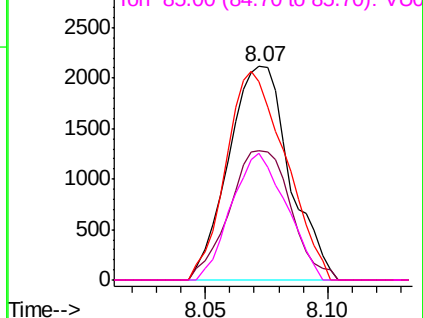


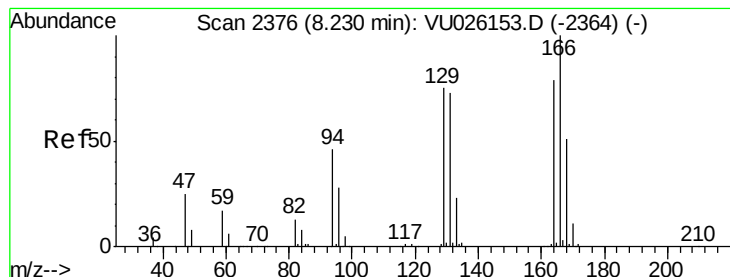
Abundance Ion 97.00 (96.70 to 97.70): VU026161.D (-2313) (-)

Ion 99.00 (98.70 to 99.70): VU026161.D (-2313) (-)

Ion 83.00 (82.70 to 83.70): VU026161.D (-2313) (-)

Ion 85.00 (84.70 to 85.70): VU026161.D (-2313) (-)





#46

Tetrachloroethene

Concen: 1.919 ug/L

RT: 8.23 min Scan# 2377

Delta R.T. 0.00 min

Lab File: VU026161.D

Acq: 15 Aug 2018 21:12

Instrument :

MSVOA_U

ClientSampleId :

MDL06

Tgt Ion:164 Resp: 3095

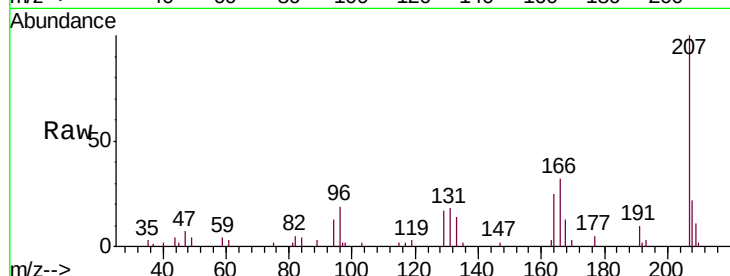
Ion Ratio Lower Upper

164 100

129 69.9 65.7 121.9

131 74.0 62.0 115.2

166 128.5 88.9 165.1

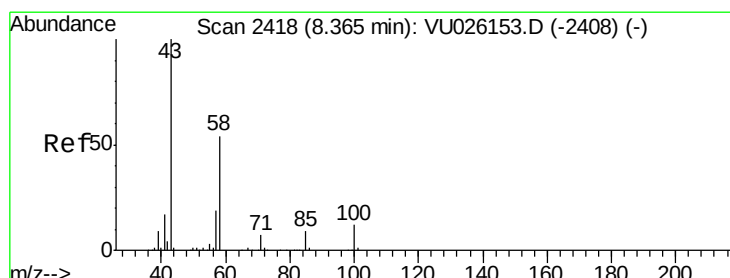
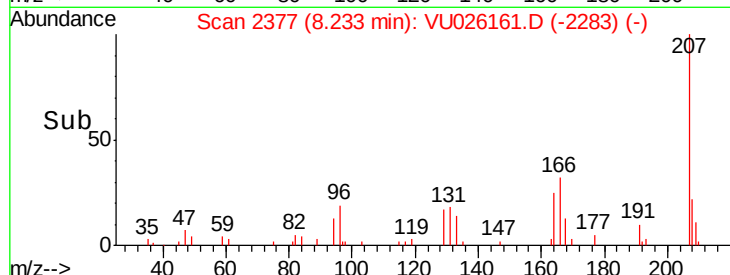
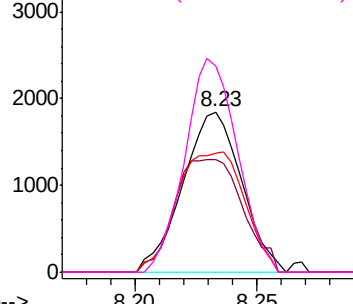


Abundance Ion 164.00 (163.70 to 164.70): V

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: 4.653 ug/L

RT: 8.37 min Scan# 2419

Delta R.T. 0.00 min

Lab File: VU026161.D

Acq: 15 Aug 2018 21:12

Tgt Ion: 43 Resp: 9065

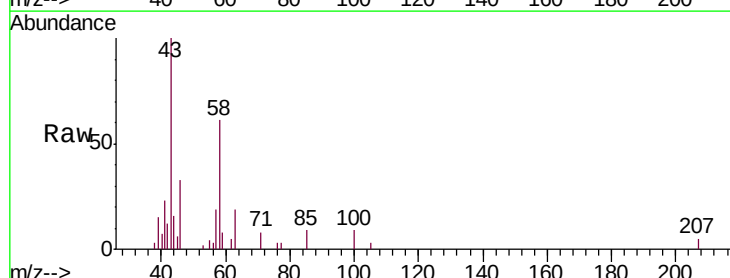
Ion Ratio Lower Upper

43 100

58 57.3 42.9 64.3

57 17.2 15.1 22.7

100 5.2 9.2 13.8#

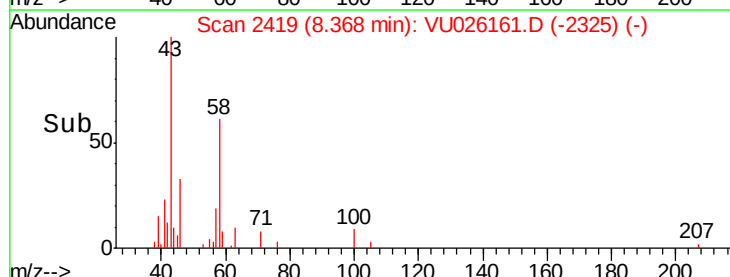
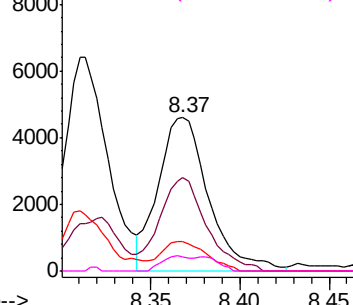


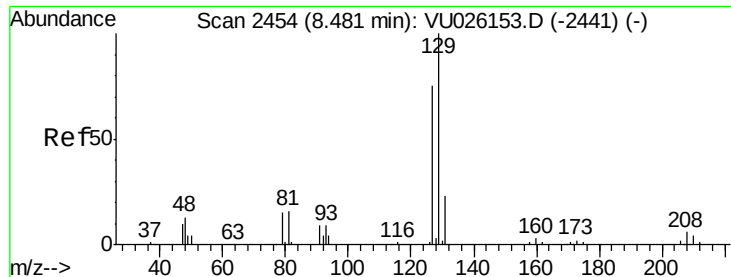
Abundance Ion 43.00 (42.70 to 43.70): VU0

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: 1.826 ug/L

RT: 8.48 min Scan# 2455

Delta R.T. 0.00 min

Lab File: VU026161.D

Acq: 15 Aug 2018 21:12

Instrument :

MSVOA_U

ClientSampled :

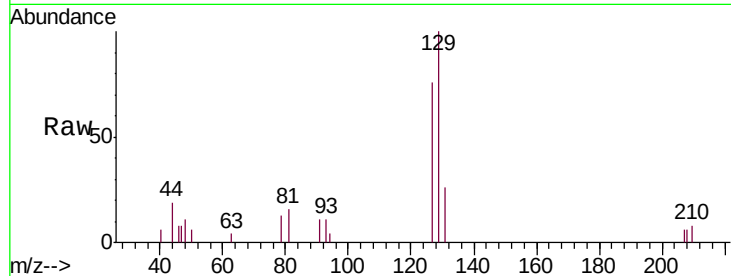
MDL06

Tgt Ion:129 Resp: 4180

Ion Ratio Lower Upper

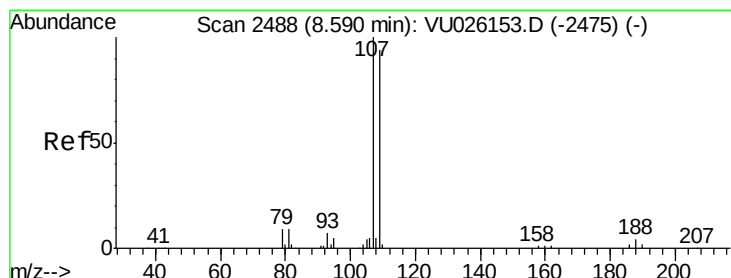
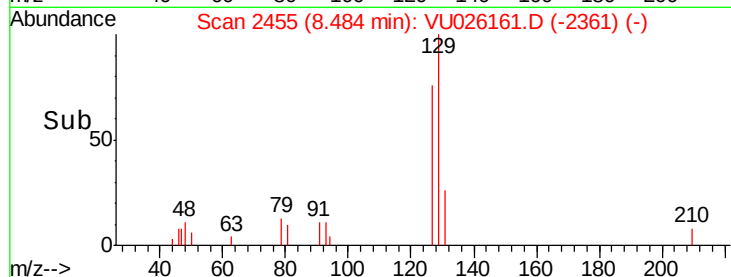
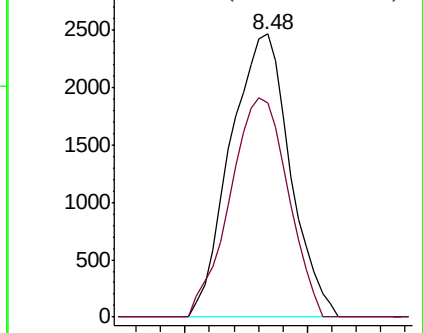
129 100

127 75.8 54.6 101.4



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#50

1,2-Dibromoethane

Concen: 1.801 ug/L

RT: 8.59 min Scan# 2489

Delta R.T. 0.00 min

Lab File: VU026161.D

Acq: 15 Aug 2018 21:12

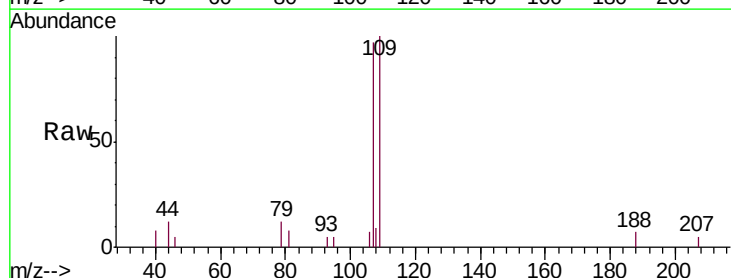
Tgt Ion:107 Resp: 3555

Ion Ratio Lower Upper

107 100

109 103.5 66.1 122.7

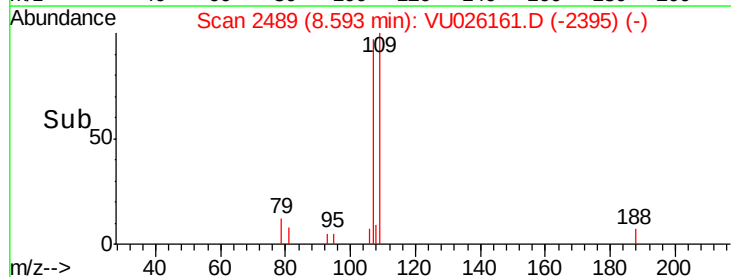
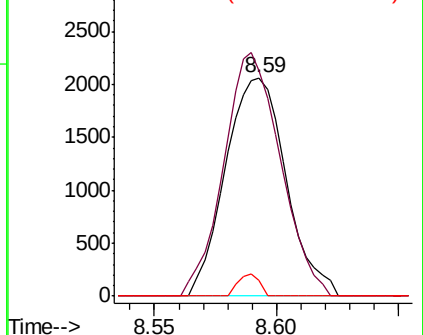
188 7.0 3.2 4.8#

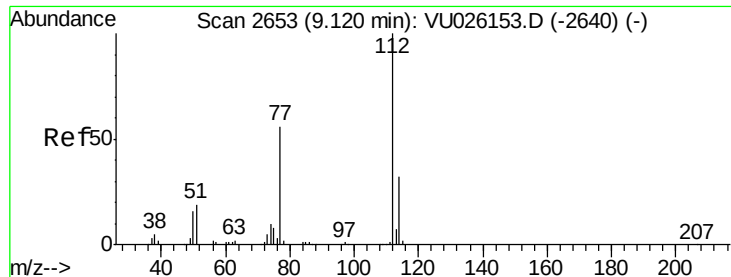


Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

Ion 188.00 (187.70 to 188.70): V





#51

Chlorobenzene

Concen: 1.919 ug/L

RT: 9.12 min Scan# 2654

Delta R.T. 0.00 min

Lab File: VU026161.D

Acq: 15 Aug 2018 21:12

Instrument :

MSVOA_U

ClientSampleId :

MDL06

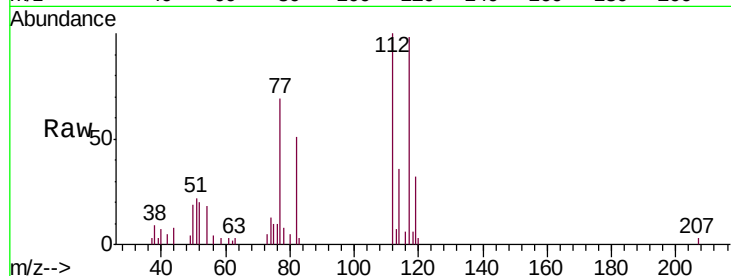
Tgt Ion: 112 Resp: 9998

Ion Ratio Lower Upper

112 100

114 35.6 22.5 41.9

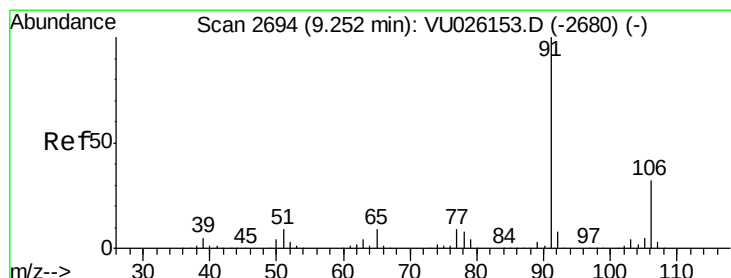
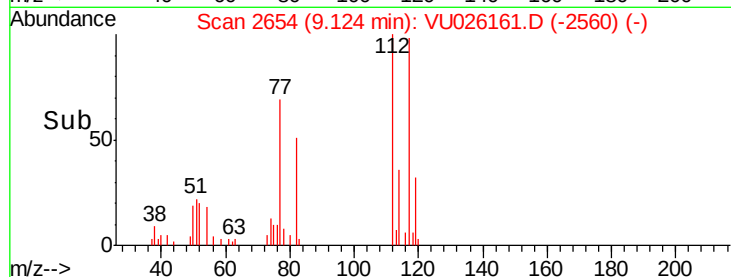
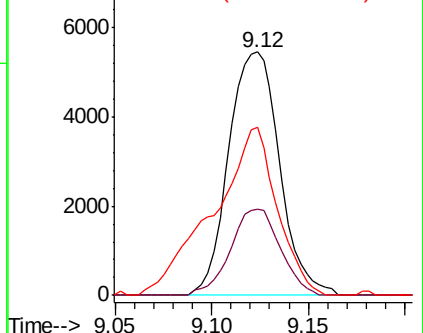
77 68.9 45.0 67.4#



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: 1.730 ug/L

RT: 9.25 min Scan# 2694

Delta R.T. -0.00 min

Lab File: VU026161.D

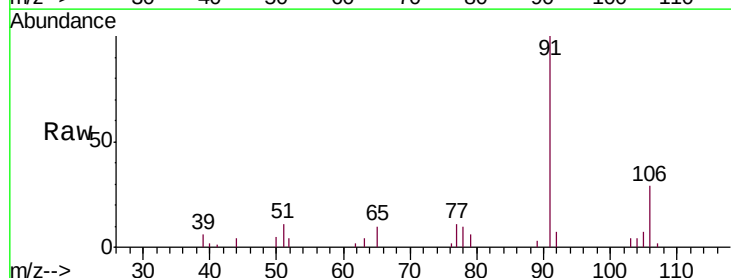
Acq: 15 Aug 2018 21:12

Tgt Ion: 91 Resp: 14367

Ion Ratio Lower Upper

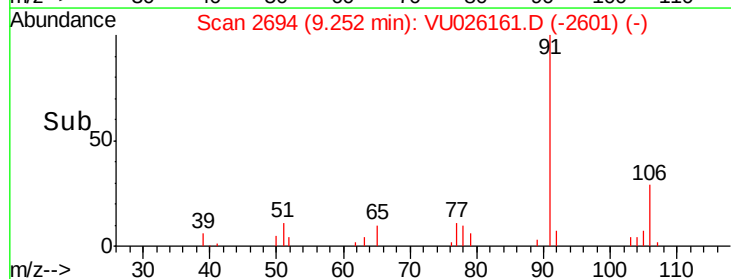
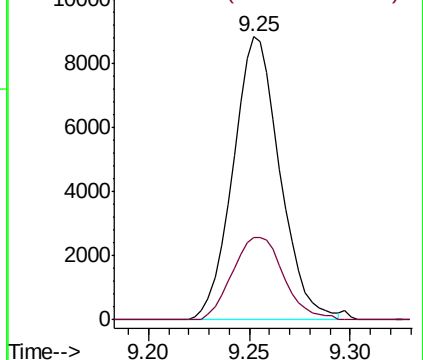
91 100

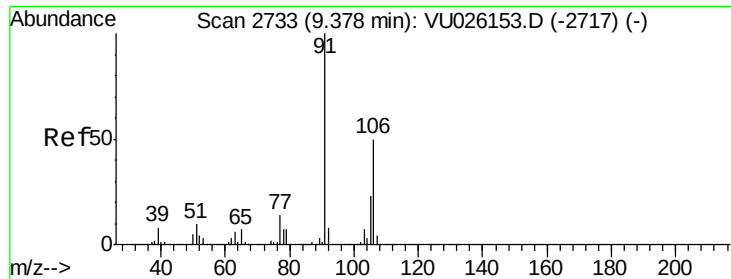
106 29.1 22.3 41.5



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 106.00 (105.70 to 106.70): V

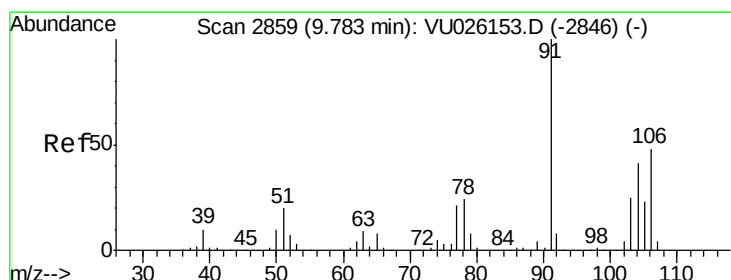
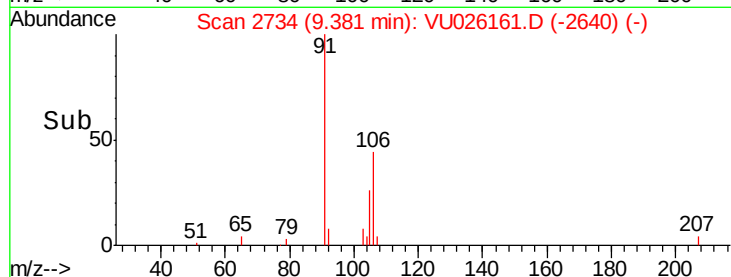
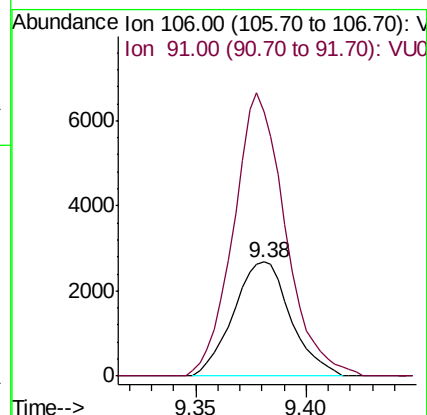
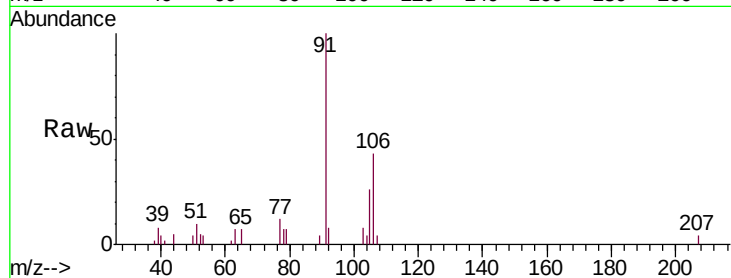




#53
m,p-Xylene
Concen: 1.506 ug/L
RT: 9.38 min Scan# 2734
Delta R.T. 0.00 min
Lab File: VU026161.D
Acq: 15 Aug 2018 21:12

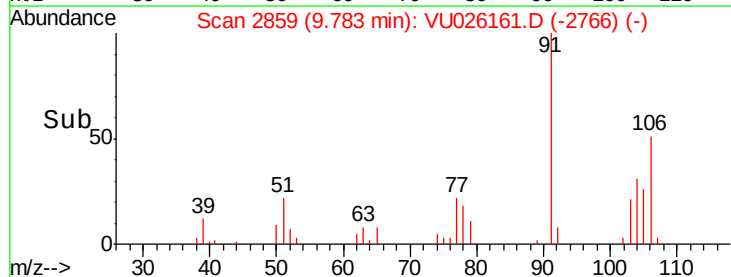
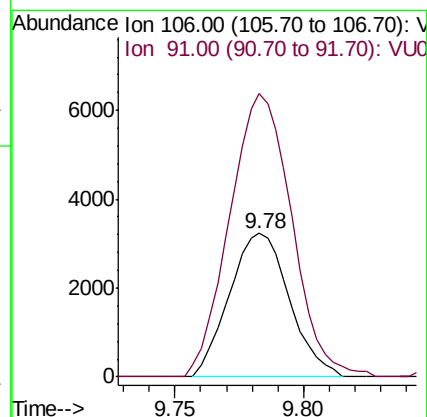
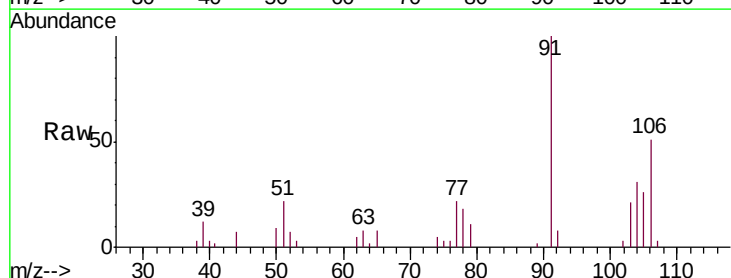
Instrument :
MSVOA_U
ClientSampleId :
MDL06

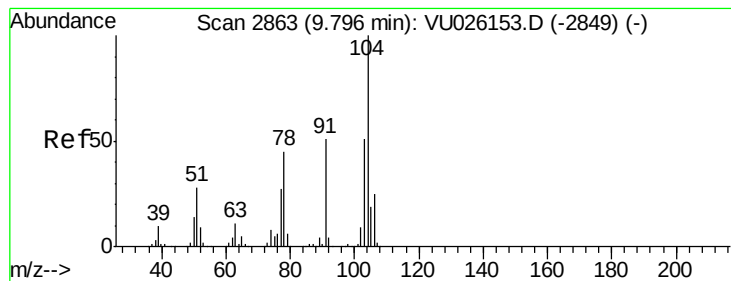
Tgt Ion:106 Resp: 4817
Ion Ratio Lower Upper
106 100
91 231.6 139.2 258.4



#54
o-xylene
Concen: 1.647 ug/L
RT: 9.78 min Scan# 2859
Delta R.T. -0.00 min
Lab File: VU026161.D
Acq: 15 Aug 2018 21:12

Tgt Ion:106 Resp: 5257
Ion Ratio Lower Upper
106 100
91 197.0 148.0 274.8





#55

Styrene

Concen: 1.550 ug/L

RT: 9.80 min Scan# 2863

Delta R.T. -0.00 min

Lab File: VU026161.D

Acq: 15 Aug 2018 21:12

Instrument :

MSVOA_U

ClientSampleId :

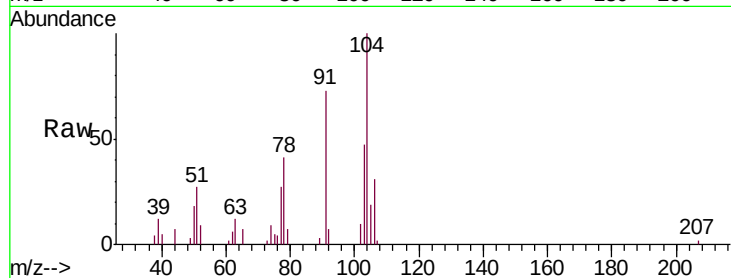
MDL06

Tgt Ion:104 Resp: 8242

Ion Ratio Lower Upper

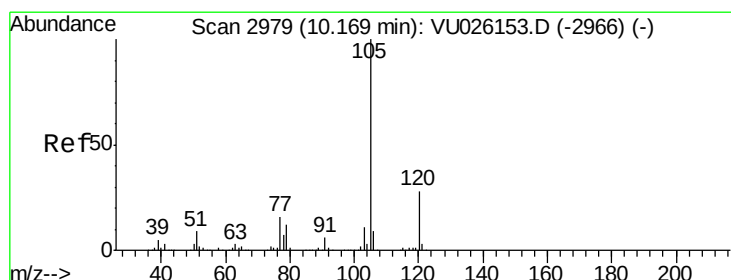
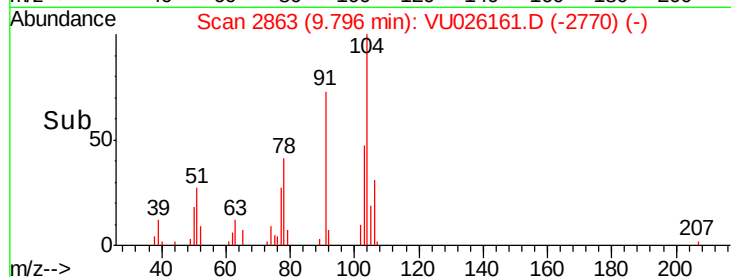
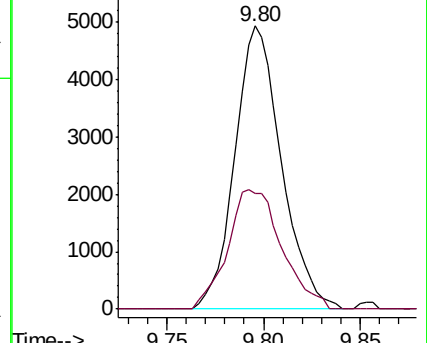
104 100

78 40.7 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: 1.535 ug/L

RT: 10.17 min Scan# 2979

Delta R.T. -0.00 min

Lab File: VU026161.D

Acq: 15 Aug 2018 21:12

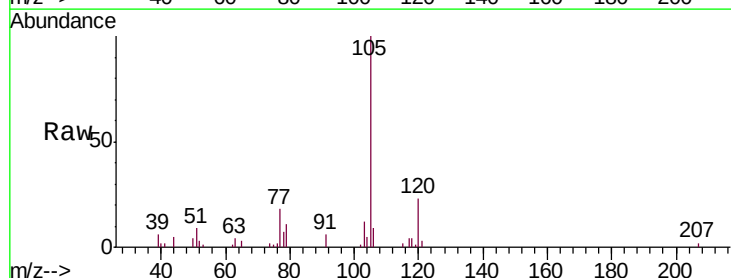
Tgt Ion:105 Resp: 12578

Ion Ratio Lower Upper

105 100

120 25.0 21.5 32.3

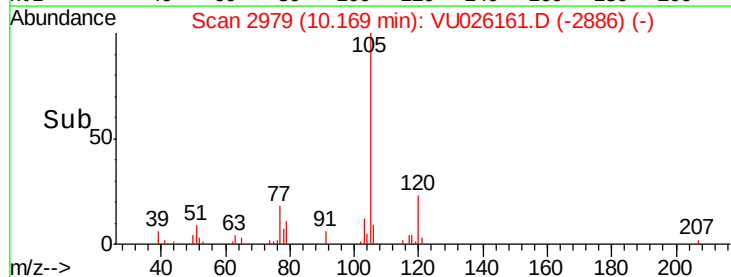
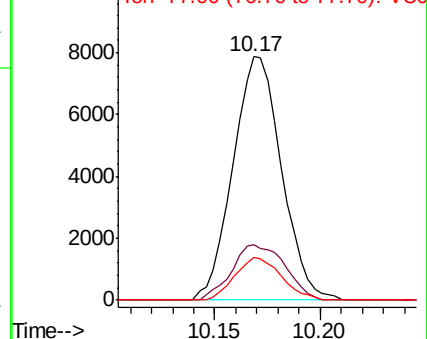
77 16.7 12.3 18.5

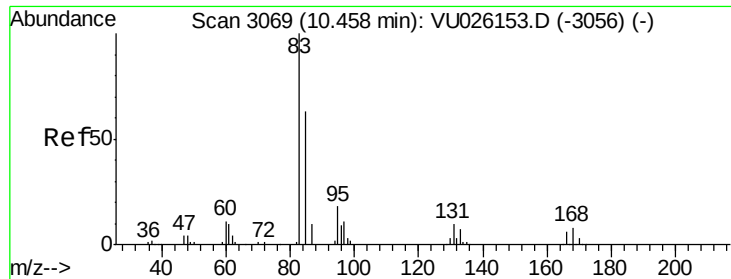


Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): VU0

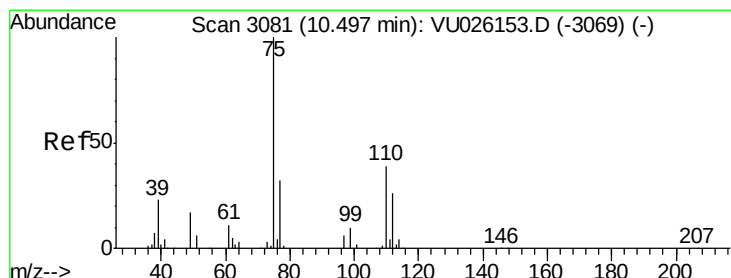
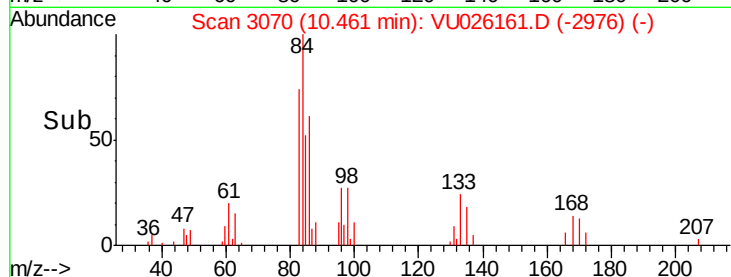
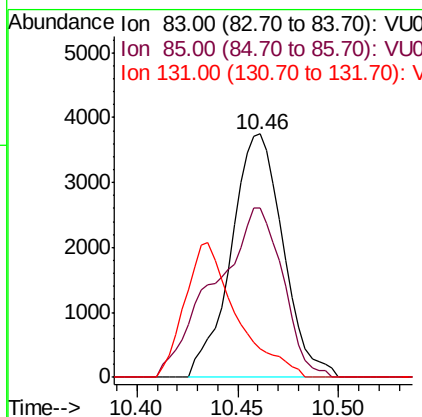
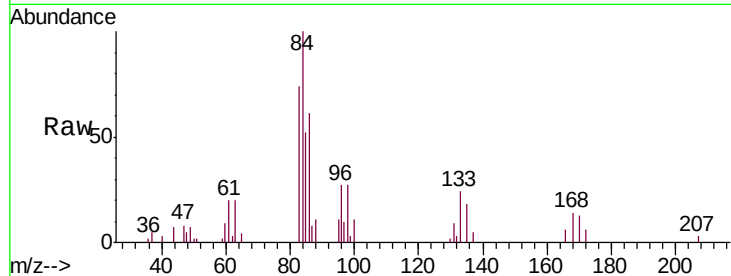




#58
 1,1,2,2-Tetrachloroethane
 Concen: 2.131 ug/L
 RT: 10.46 min Scan# 3070
 Delta R.T. 0.00 min
 Lab File: VU026161.D
 Acq: 15 Aug 2018 21:12

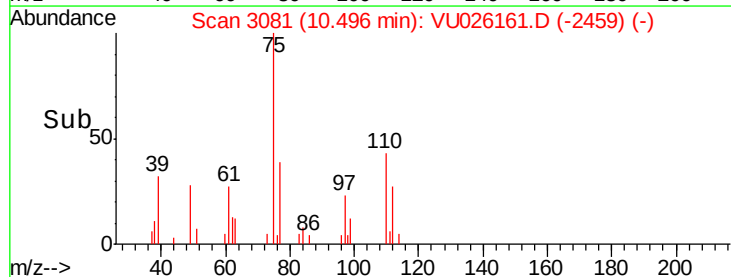
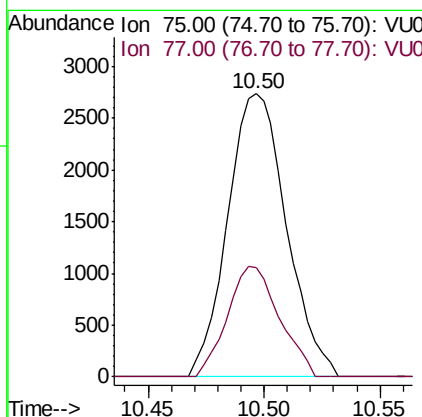
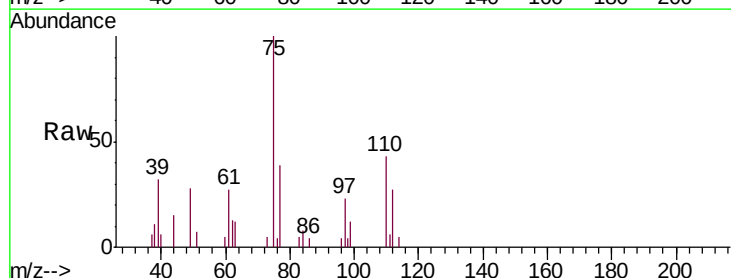
Instrument :
 MSVOA_U
 ClientSampleId :
 MDL06

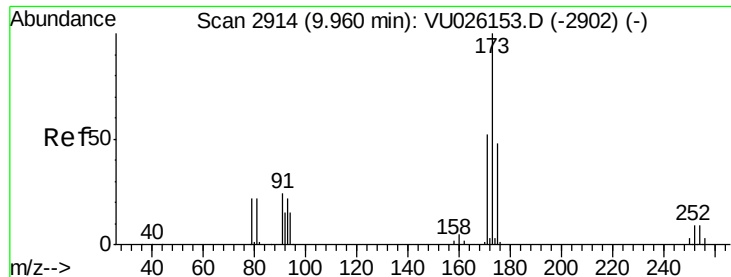
Tgt Ion: 83 Resp: 6764
 Ion Ratio Lower Upper
 83 100
 85 69.7 45.0 83.6
 131 15.4 8.4 12.6#



#59
 1,2,3-Trichloropropane
 Concen: 1.949 ug/L
 RT: 10.50 min Scan# 3081
 Delta R.T. -0.00 min
 Lab File: VU026161.D
 Acq: 15 Aug 2018 21:12

Tgt Ion: 75 Resp: 4812
 Ion Ratio Lower Upper
 75 100
 77 34.5 26.1 39.1





#61

Bromoform

Concen: 2.075 ug/L

RT: 9.96 min Scan# 2914

Delta R.T. -0.00 min

Lab File: VU026161.D

Acq: 15 Aug 2018 21:12

Instrument :

MSVOA_U

ClientSampleId :

MDL06

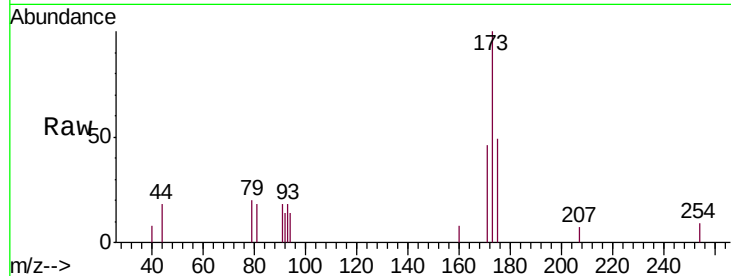
Tgt Ion:173 Resp: 3035

Ion Ratio Lower Upper

173 100

175 51.2 38.8 58.2

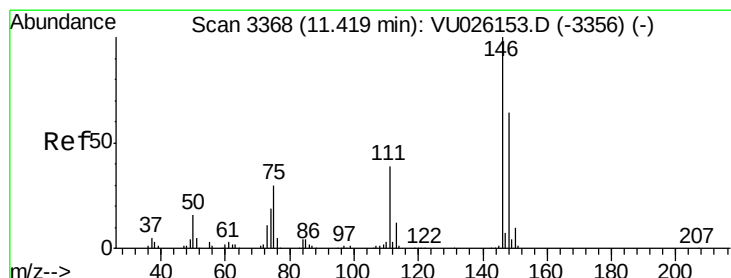
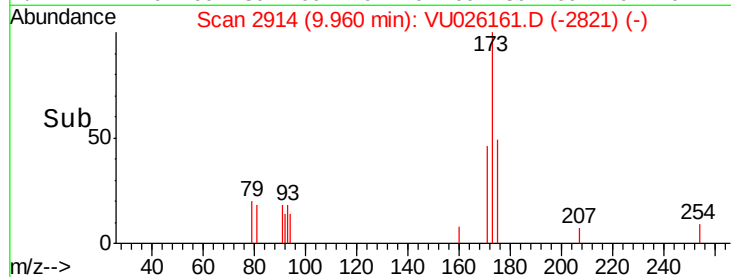
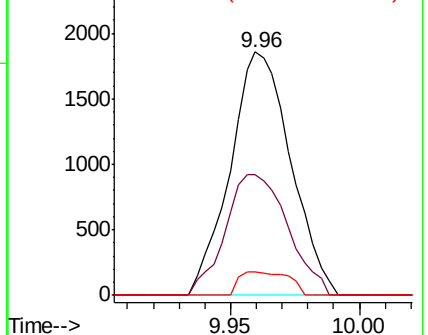
254 7.8 7.3 10.9



Abundance Ion 173.00 (172.70 to 173.70): V

Ion 175.00 (174.70 to 175.70): V

Ion 254.00 (253.70 to 254.70): V



#62

1,3-Dichlorobenzene

Concen: 1.821 ug/L

RT: 11.42 min Scan# 3368

Delta R.T. -0.00 min

Lab File: VU026161.D

Acq: 15 Aug 2018 21:12

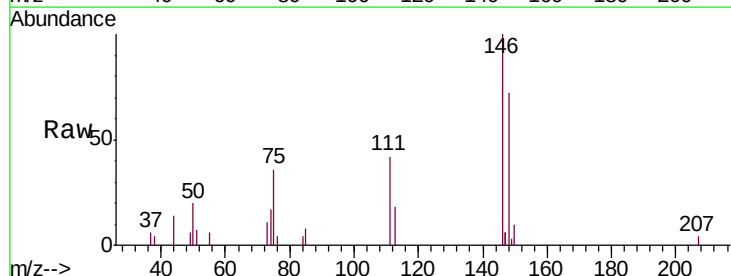
Tgt Ion:146 Resp: 6107

Ion Ratio Lower Upper

146 100

111 41.9 26.7 49.7

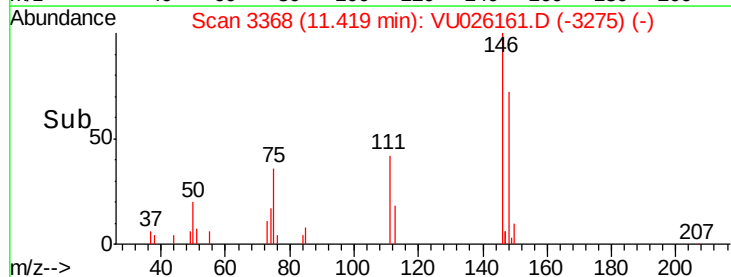
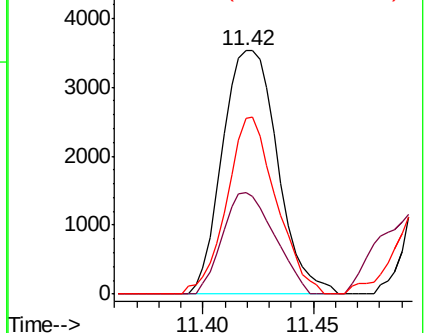
148 72.0 44.1 81.9

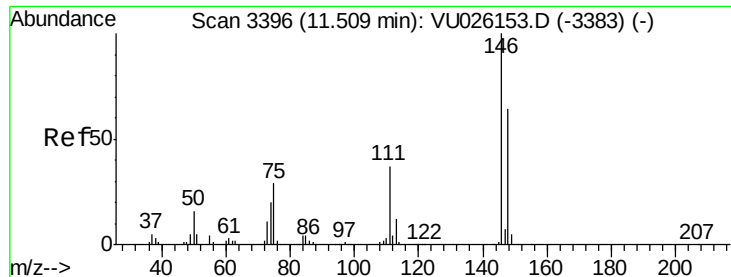


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#63

1,4-Dichlorobenzene

Concen: 1.918 ug/L

RT: 11.51 min Scan# 3397

Delta R.T. 0.00 min

Lab File: VU026161.D

Acq: 15 Aug 2018 21:12

Instrument :

MSVOA_U

ClientSampled :

MDL06

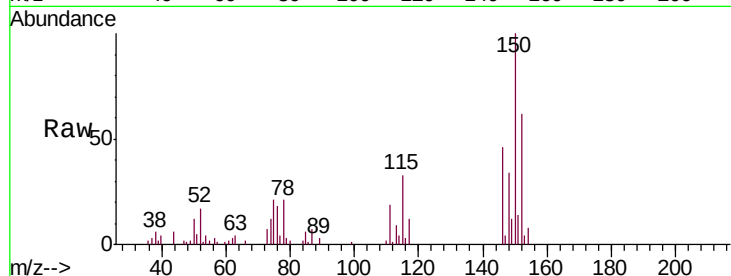
Tgt Ion:146 Resp: 6633

Ion Ratio Lower Upper

146 100

111 40.6 27.5 51.1

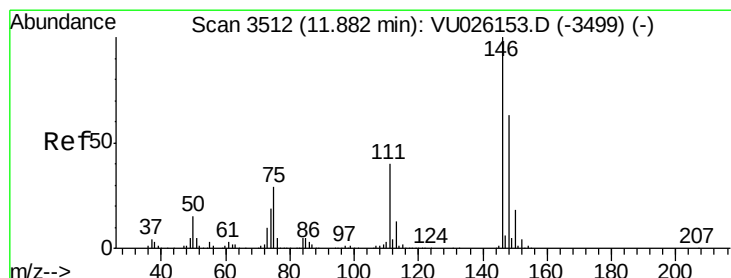
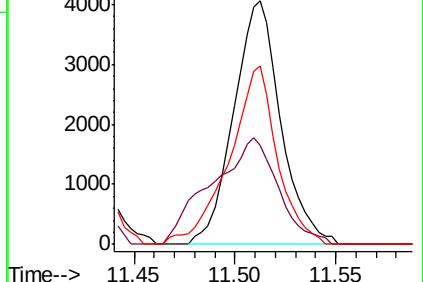
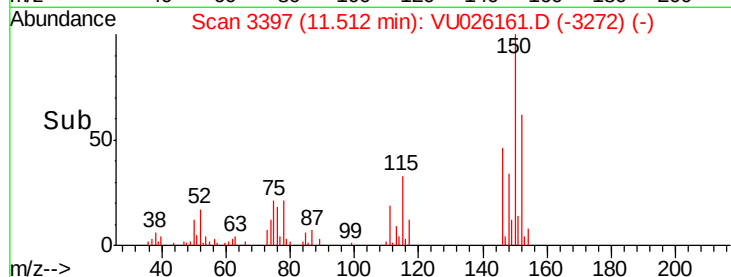
148 73.1 44.8 83.2



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: 2.090 ug/L

RT: 11.88 min Scan# 3512

Delta R.T. -0.00 min

Lab File: VU026161.D

Acq: 15 Aug 2018 21:12

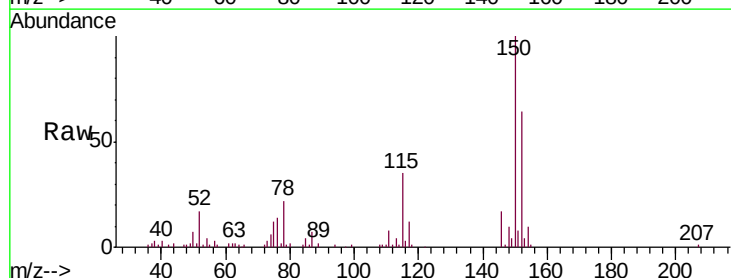
Tgt Ion:146 Resp: 7490

Ion Ratio Lower Upper

146 100

111 49.2 32.7 49.1#

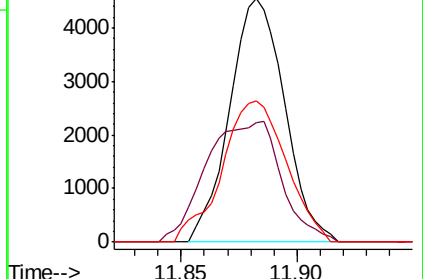
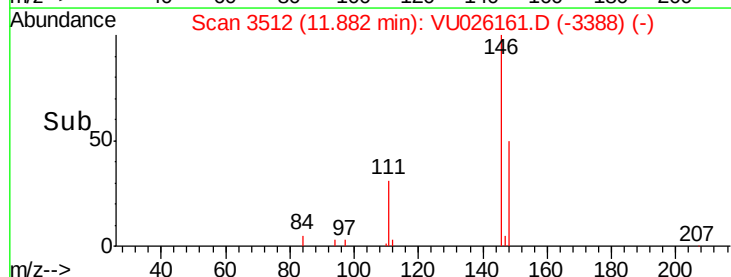
148 57.9 51.4 77.2

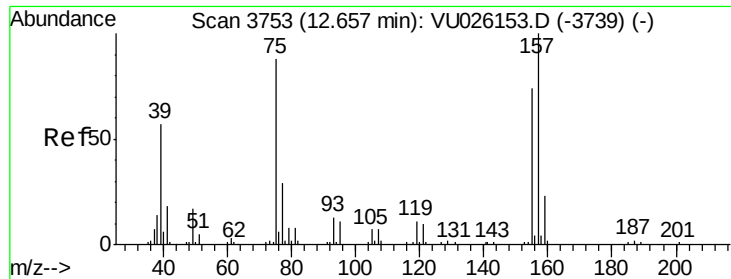


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

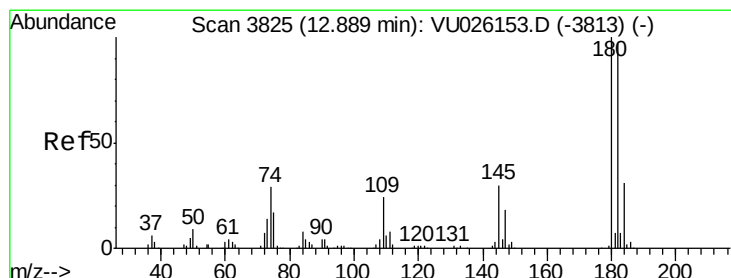
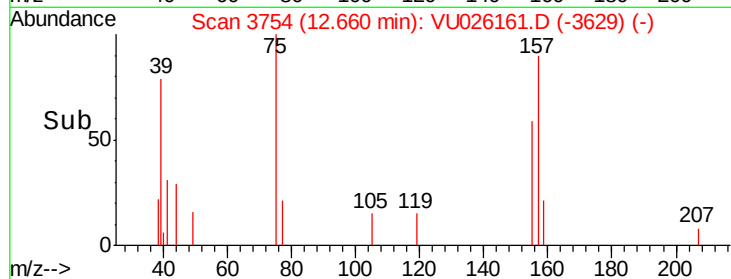
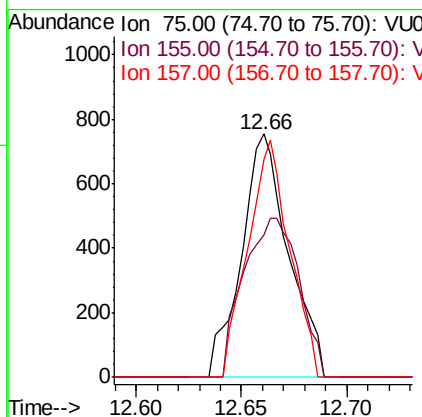
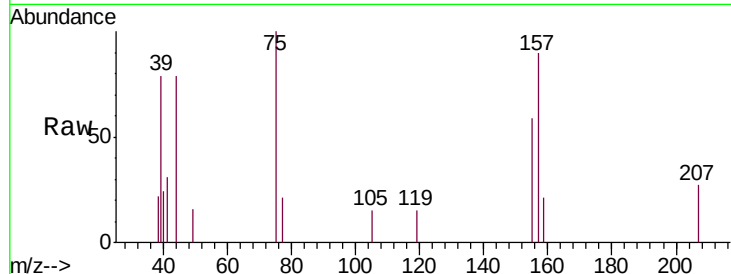




#66
 1,2-Dibromo-3-chloropropane
 Concen: 2.052 ug/L
 RT: 12.66 min Scan# 3754
 Delta R.T. 0.00 min
 Lab File: VU026161.D
 Acq: 15 Aug 2018 21:12

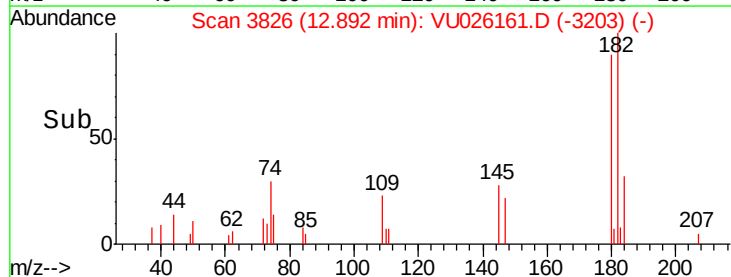
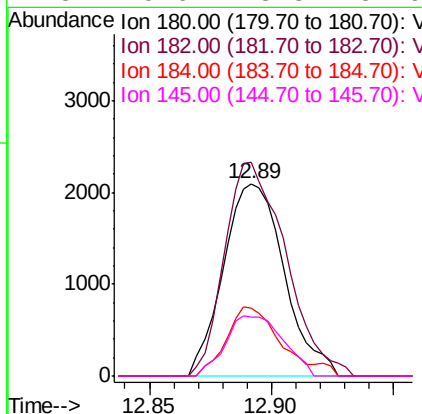
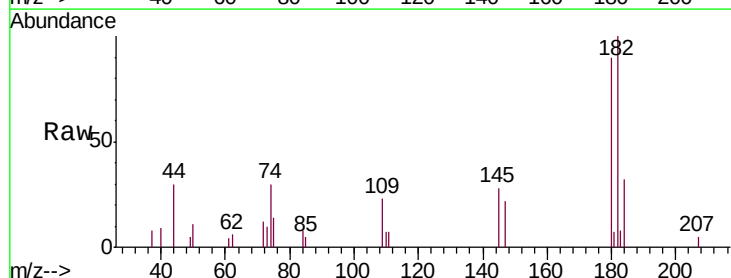
Instrument :
 MSVOA_U
 ClientSampleID :
 MDL06

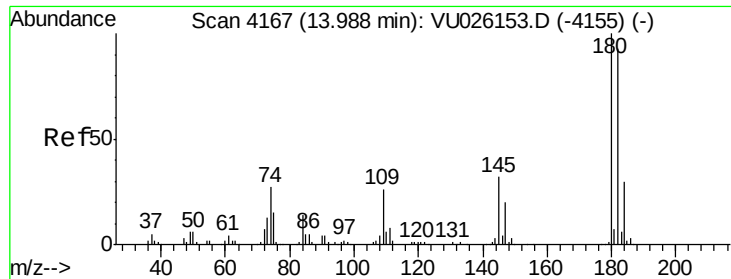
Tgt Ion: 75 Resp: 1166
 Ion Ratio Lower Upper
 75 100
 155 58.5 68.2 102.2#
 157 89.7 90.5 135.7#



#67
 1,3,5-Trichlorobenzene
 Concen: 1.463 ug/L
 RT: 12.89 min Scan# 3826
 Delta R.T. 0.00 min
 Lab File: VU026161.D
 Acq: 15 Aug 2018 21:12

Tgt Ion: 180 Resp: 3623
 Ion Ratio Lower Upper
 180 100
 182 111.9 75.6 113.4
 184 30.4 24.3 36.5
 145 29.6 23.3 34.9





#70
 1,2,3-Trichlorobenzene
 Concen: 1.408 ug/L
 RT: 13.99 min Scan# 4169
 Delta R.T. 0.01 min
 Lab File: VU026161.D
 Acq: 15 Aug 2018 21:12

Instrument :
 MSVOA_U
 ClientSampleId :
 MDL06

Tgt Ion:180 Resp: 2832
 Ion Ratio Lower Upper
 180 100
 182 97.5 77.1 115.7
 145 23.3 25.1 37.7#

