

Data File : VU026160.D
Acq On : 15 Aug 2018 20:47
Operator : MD/SY
Sample : MDL05
Misc : 5.00g/5mL/100uL/5.00mL/MSVOA_U/MEOH
ALS Vial : 32 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
MDL05

Quant Time: Aug 16 04:42:10 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	286013	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	268618	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.49	152	115482	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	70344	41.89	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	83.78%
7) Chloroethane-d5	1.68	69	60163	43.58	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	87.16%
11) 1,1-Dichloroethene-d2	2.27	63	109639	33.24	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	66.48%
21) 2-Butanone-d5	4.18	46	136294	105.77	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	105.77%
24) Chloroform-d	4.65	84	168510	44.80	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	89.60%
26) 1,2-Dichloroethane-d4	5.31	65	116077	47.15	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.30%
32) Benzene-d6	5.35	84	325038	46.93	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	93.86%
36) 1,2-Dichloropropane-d6	6.33	67	109513	48.10	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	96.20%
41) Toluene-d8	7.57	98	299327	45.15	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	90.30%
43) trans-1,3-Dichloropropene-	7.85	79	49648	46.06	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	92.12%
47) 2-Hexanone-d5	8.31	63	96468	103.41	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	103.41%
57) 1,1,2,2-Tetrachloroethane-	10.44	84	149696	46.71	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	93.42%
64) 1,2-Dichlorobenzene-d4	11.86	152	114572	47.68	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	95.36%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.20	85	4749	2.097 ug/L	99
3) Chloromethane	1.33	50	5254	2.548 ug/L	100
5) Vinyl chloride	1.40	62	4127	2.004 ug/L #	65
6) Bromomethane	1.62	94	2329	2.195 ug/L	81
8) Chloroethane	1.70	64	2910	2.360 ug/L	93
9) Trichlorofluoromethane	1.89	101	5867	1.930 ug/L	95
10) 1,1,2-Trichloro-1,2,2-trif	2.28	101	3881	2.356 ug/L	87
12) 1,1-Dichloroethene	2.28	96	3918	2.592 ug/L #	1
13) Acetone	2.32	43	4850	4.112 ug/L	97
14) Carbon disulfide	2.48	76	10762	2.053 ug/L	99
15) Methyl Acetate	2.62	43	5259	2.571 ug/L	94
16) Methylene chloride	2.71	84	4924	2.432 ug/L	88
17) trans-1,2-Dichloroethene	2.99	96	3717	2.073 ug/L	83
18) Methyl tert-butyl Ether	3.00	73	11219	1.971 ug/L	97
19) 1,1-Dichloroethane	3.45	63	6776	1.963 ug/L	97
20) cis-1,2-Dichloroethene	4.23	96	4240	2.109 ug/L	88
22) 2-Butanone	4.27	43	4295	2.923 ug/L	91

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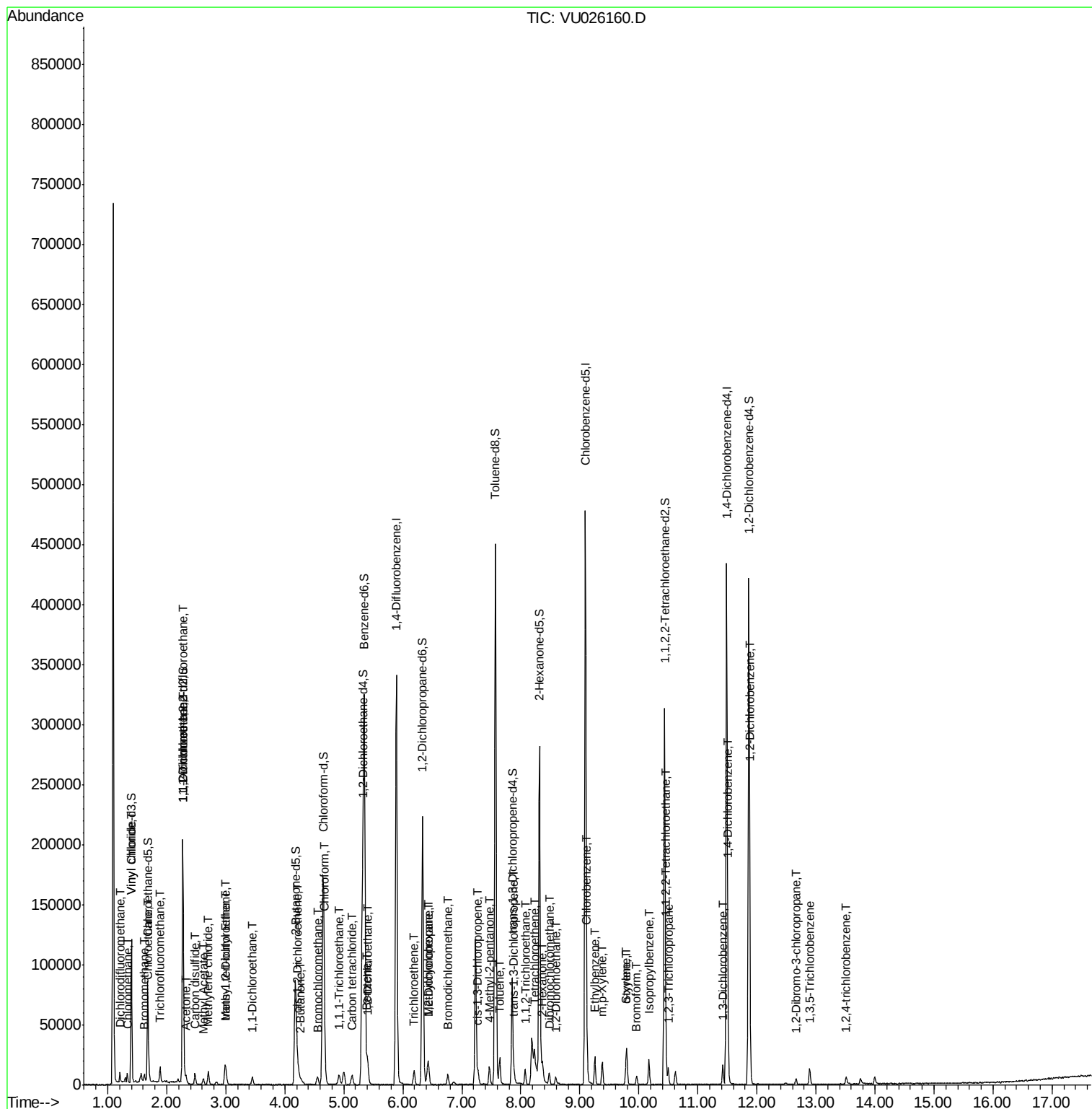
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.55	128	2405	2.213	ug/L	91
25) Chloroform	4.68	83	9724	2.683	ug/L	97
27) 1,2-Dichloroethane	5.41	62	6617	2.258	ug/L #	92
30) 1,1,1-Trichloroethane	4.92	97	6871	2.141	ug/L	96
31) Carbon tetrachloride	5.14	117	6208	2.135	ug/L	96
33) Benzene	5.39	78	15096	2.075	ug/L	100
34) Trichloroethene	6.19	95	4364	2.303	ug/L	86
35) Methylcyclohexane	6.42	83	5230	1.839	ug/L	96
37) 1,2-Dichloropropane	6.44	63	4541	2.235	ug/L #	94
38) Bromodichloromethane	6.76	83	5484	2.039	ug/L	90
39) cis-1,3-Dichloropropene	7.27	75	6169	2.046	ug/L	99
40) 4-Methyl-2-pentanone	7.46	43	10581	4.199	ug/L	93
42) Toluene	7.64	91	16374	2.120	ug/L	100
44) trans-1,3-Dichloropropene	7.89	75	6083	2.094	ug/L	99
45) 1,1,2-Trichloroethane	8.07	97	4119	2.139	ug/L	95
46) Tetrachloroethene	8.23	164	3468	2.122	ug/L	95
48) 2-Hexanone	8.36	43	9842	4.985	ug/L #	97
49) Dibromochloromethane	8.48	129	4955	2.136	ug/L	98
50) 1,2-Dibromoethane	8.59	107	4398	2.199	ug/L #	93
51) Chlorobenzene	9.12	112	11217	2.125	ug/L	98
52) Ethylbenzene	9.25	91	15625	1.857	ug/L	91
53) m,p-Xylene	9.38	106	5403	1.666	ug/L	89
54) o-xylene	9.78	106	5538	1.712	ug/L	93
55) Styrene	9.80	104	8542	1.586	ug/L	90
56) Isopropylbenzene	10.17	105	13310	1.602	ug/L	97
58) 1,1,2,2-Tetrachloroethane	10.46	83	7510	2.335	ug/L #	92
59) 1,2,3-Trichloropropane	10.50	75	5497	2.197	ug/L	99
61) Bromoform	9.96	173	3495	2.315	ug/L #	90
62) 1,3-Dichlorobenzene	11.42	146	6876	1.987	ug/L	93
63) 1,4-Dichlorobenzene	11.51	146	7699	2.157	ug/L	94
65) 1,2-Dichlorobenzene	11.89	146	8267	2.235	ug/L	91
66) 1,2-Dibromo-3-chloropropan	12.66	75	1385	2.362	ug/L #	83
67) 1,3,5-Trichlorobenzene	12.89	180	4639	1.815	ug/L	96
68) 1,2,4-trichlorobenzene	13.51	180	2501	1.292	ug/L #	79

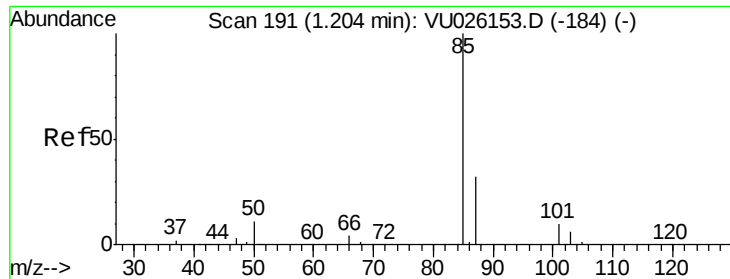
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 2.097 ug/L

RT: 1.20 min Scan# 191

Delta R.T. -0.00 min

Lab File: VU026160.D

Acq: 15 Aug 2018 20:47

Instrument :

MSVOA_U

ClientSampled :

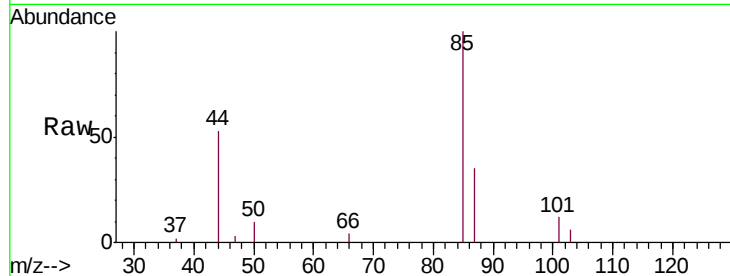
MDL05

Tgt Ion: 85 Resp: 4749

Ion Ratio Lower Upper

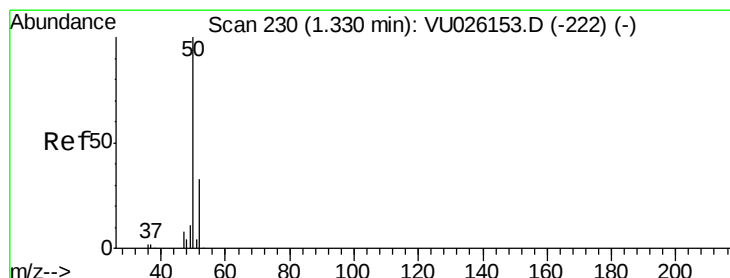
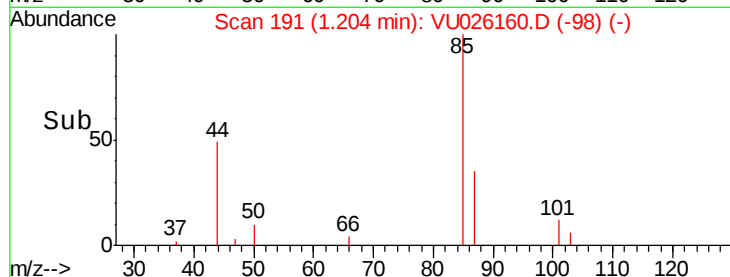
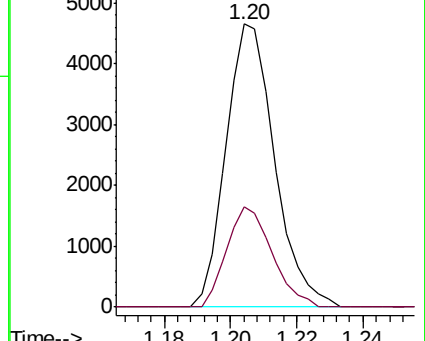
85 100

87 33.0 26.1 39.1



Abundance Ion 85.00 (84.70 to 85.70): VU026160.D (-98) (-)

Ion 87.00 (86.70 to 87.70): VU026160.D (-98) (-)



#3

Chloromethane

Concen: 2.548 ug/L

RT: 1.33 min Scan# 230

Delta R.T. -0.00 min

Lab File: VU026160.D

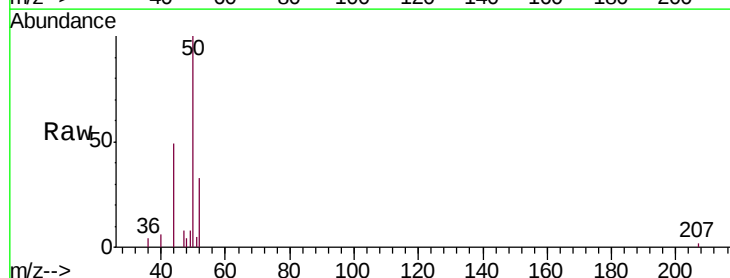
Acq: 15 Aug 2018 20:47

Tgt Ion: 50 Resp: 5254

Ion Ratio Lower Upper

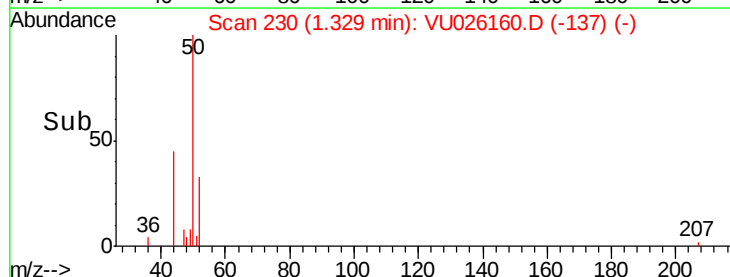
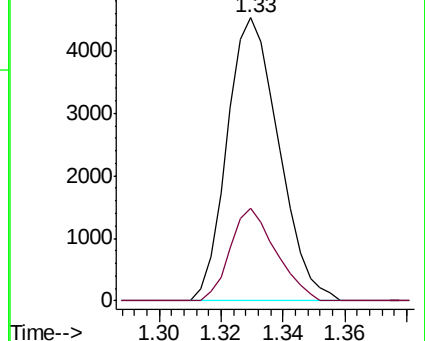
50 100

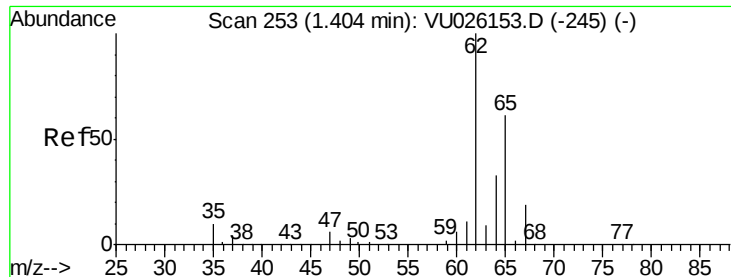
52 32.9 23.0 42.8



Abundance Ion 50.00 (49.70 to 50.70): VU026160.D (-137) (-)

Ion 52.00 (51.70 to 52.70): VU026160.D (-137) (-)





#5

Vinyl chloride

Concen: 2.004 ug/L

RT: 1.40 min Scan# 253

Delta R.T. -0.00 min

Lab File: VU026160.D

Acq: 15 Aug 2018 20:47

Instrument :

MSVOA_U

ClientSampleId :

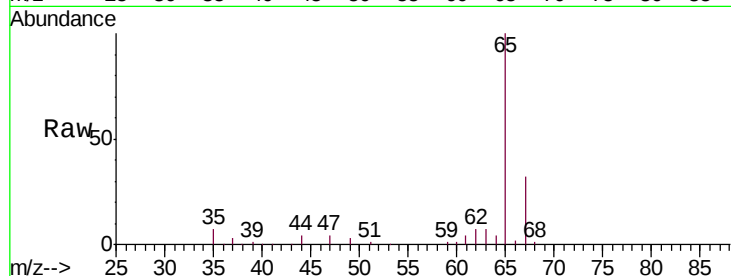
MDL05

Tgt Ion: 62 Resp: 4127

Ion Ratio Lower Upper

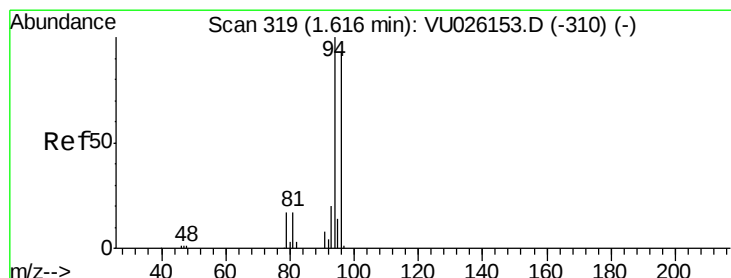
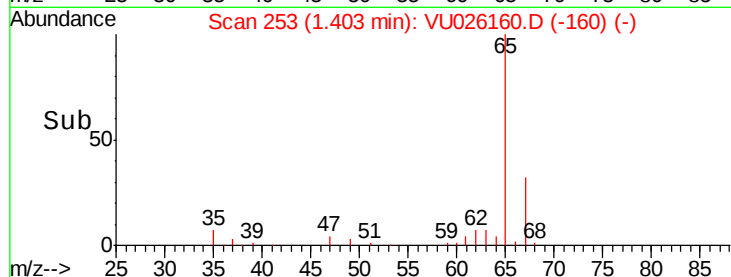
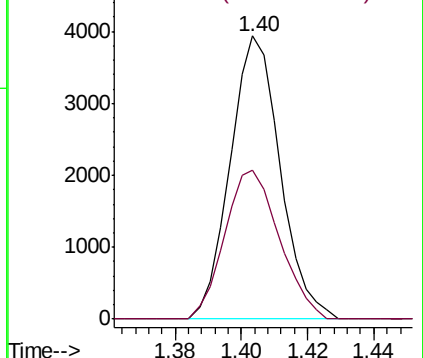
62 100

64 52.8 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: 2.195 ug/L

RT: 1.62 min Scan# 321

Delta R.T. 0.01 min

Lab File: VU026160.D

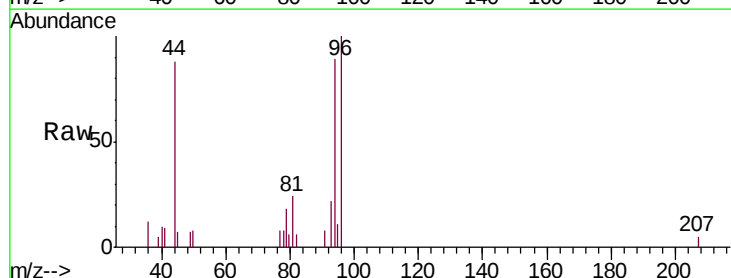
Acq: 15 Aug 2018 20:47

Tgt Ion: 94 Resp: 2329

Ion Ratio Lower Upper

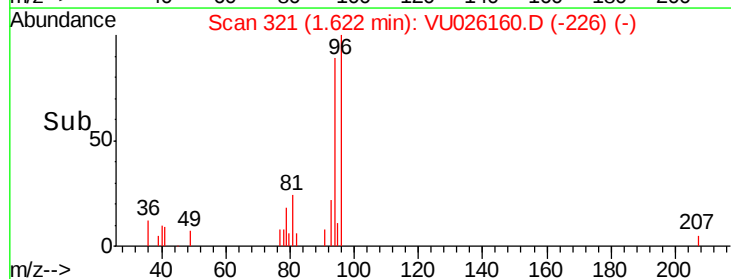
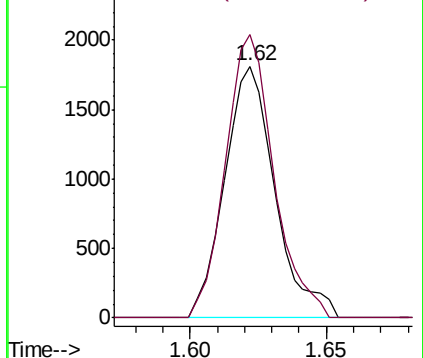
94 100

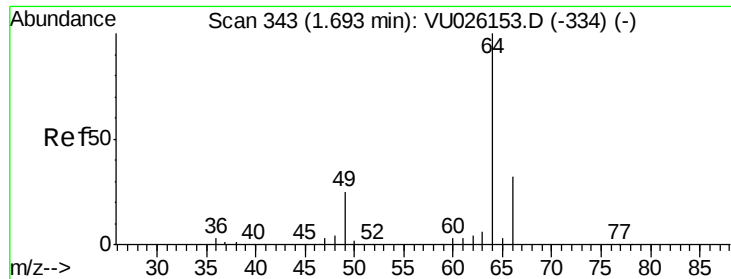
96 112.3 65.9 122.5



Abundance Ion 94.00 (93.70 to 94.70): VU0

Ion 96.00 (95.70 to 96.70): VU0





#8

Chloroethane

Concen: 2.360 ug/L

RT: 1.70 min Scan# 344

Delta R.T. 0.00 min

Lab File: VU026160.D

Acq: 15 Aug 2018 20:47

Instrument :

MSVOA_U

ClientSampled :

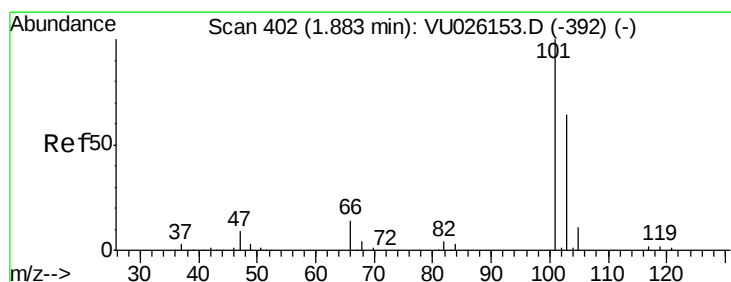
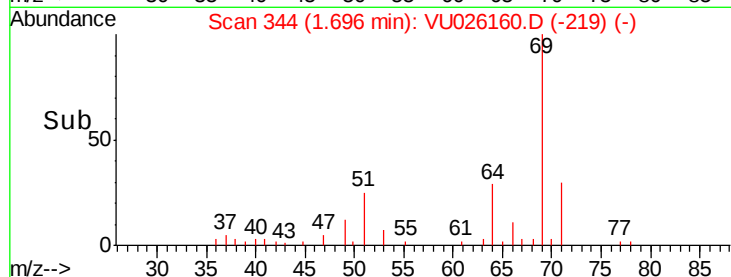
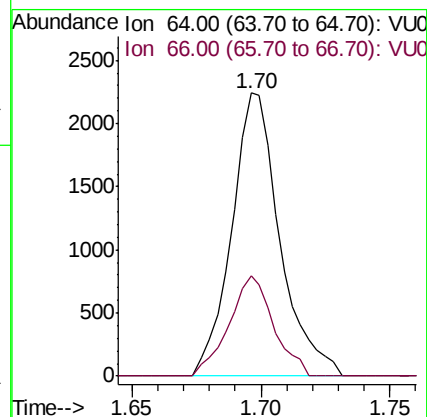
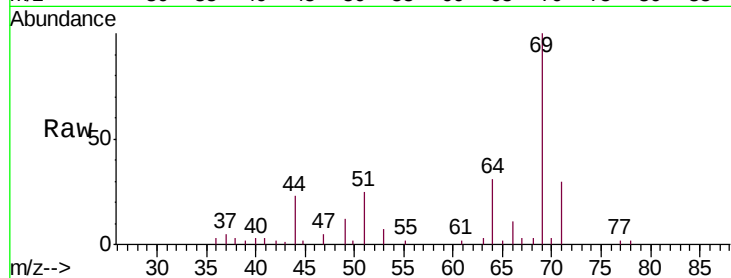
MDL05

Tgt Ion: 64 Resp: 2910

Ion Ratio Lower Upper

64 100

66 35.4 22.2 41.2



#9

Trichlorofluoromethane

Concen: 1.930 ug/L

RT: 1.89 min Scan# 403

Delta R.T. 0.00 min

Lab File: VU026160.D

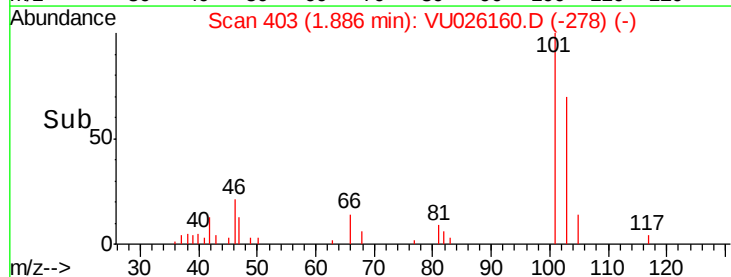
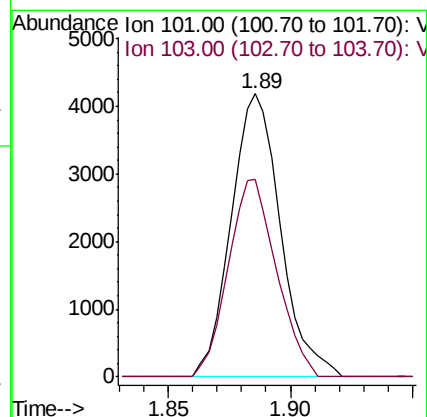
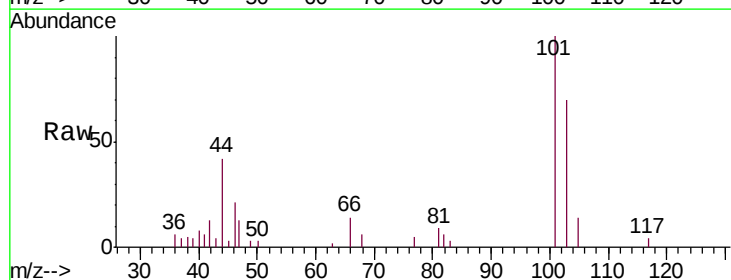
Acq: 15 Aug 2018 20:47

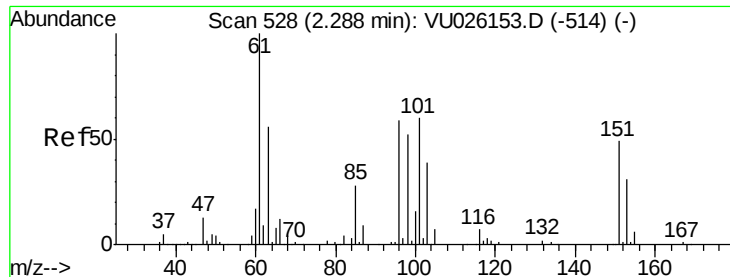
Tgt Ion: 101 Resp: 5867

Ion Ratio Lower Upper

101 100

103 68.3 51.4 77.2





#10

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

Concen: 2.356 ug/L

RT: 2.28 min Scan# 527

Delta R.T. -0.00 min

Lab File: VU026160.D

Acq: 15 Aug 2018 20:47

Instrument :

MSVOA_U

ClientSampleId :

MDL05

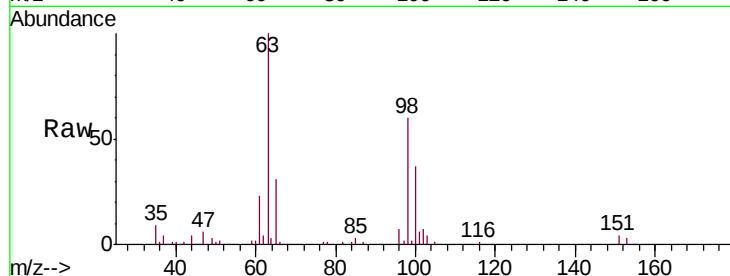
Tgt Ion:101 Resp: 3881

Ion Ratio Lower Upper

101 100

85 38.9 36.6 55.0

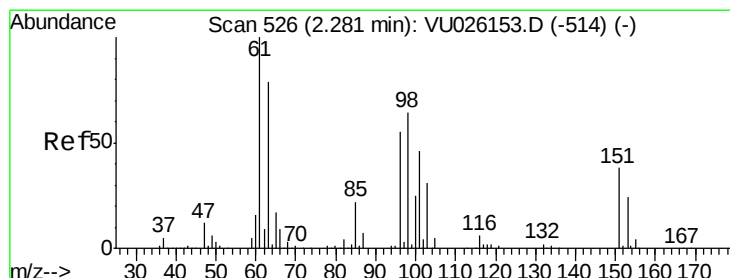
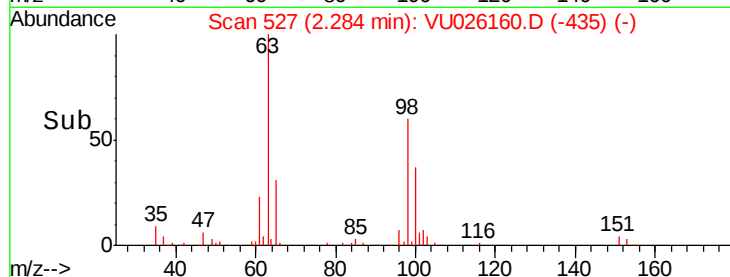
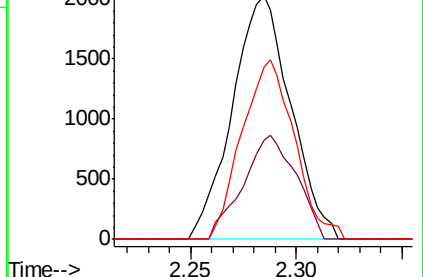
151 66.5 63.8 95.8



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: 2.592 ug/L

RT: 2.28 min Scan# 527

Delta R.T. 0.00 min

Lab File: VU026160.D

Acq: 15 Aug 2018 20:47

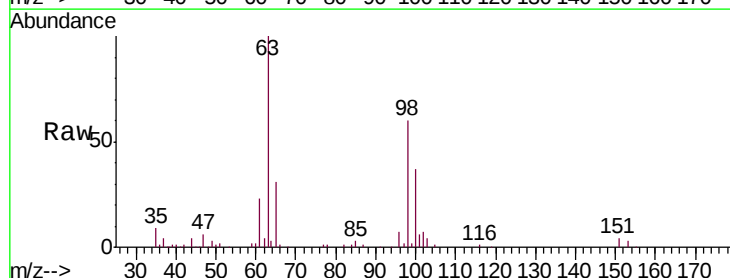
Tgt Ion: 96 Resp: 3918

Ion Ratio Lower Upper

96 100

61 334.5 126.8 235.4#

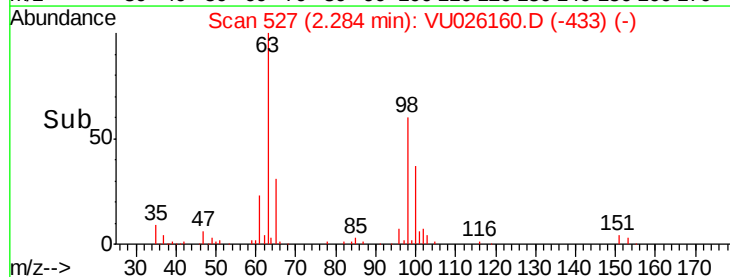
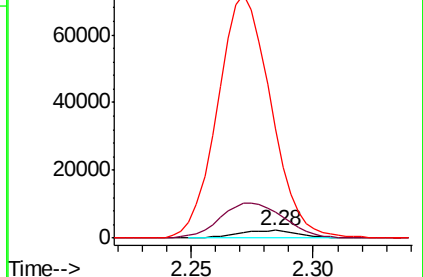
63 1424.7 97.0 180.2#

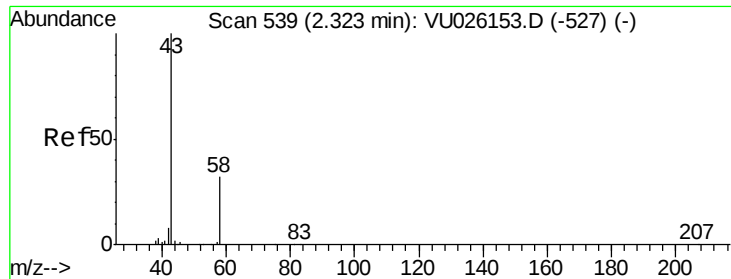


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 4.112 ug/L

RT: 2.32 min Scan# 539

Delta R.T. -0.00 min

Lab File: VU026160.D

Acq: 15 Aug 2018 20:47

Instrument :

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ClientSampled :

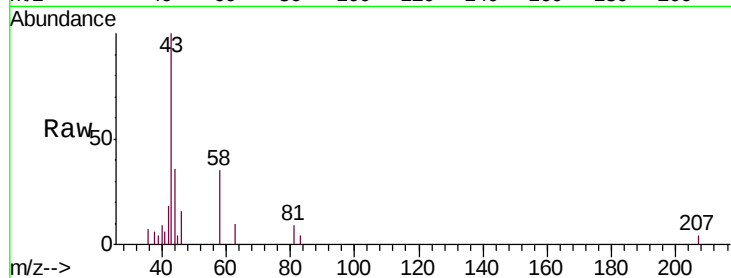
MDL05

Tgt Ion: 43 Resp: 4850

Ion Ratio Lower Upper

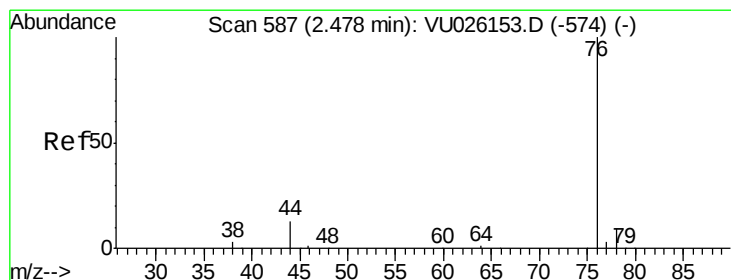
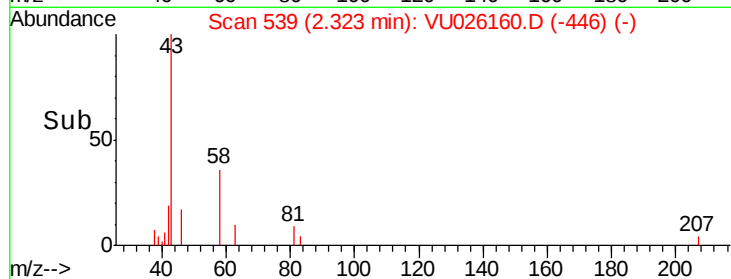
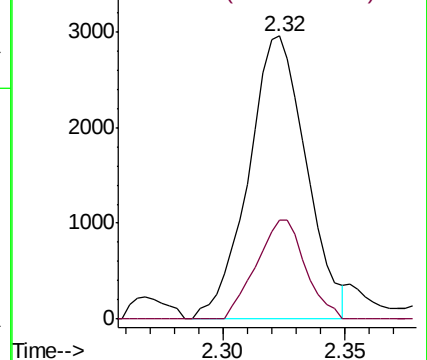
43 100

58 29.6 0.0 62.6



Abundance Ion 43.00 (42.70 to 43.70): VU026153.D (-527) (-)

Ion 58.00 (57.70 to 58.70): VU026153.D (-527) (-)



#14

Carbon disulfide

Concen: 2.053 ug/L

RT: 2.48 min Scan# 587

Delta R.T. -0.00 min

Lab File: VU026160.D

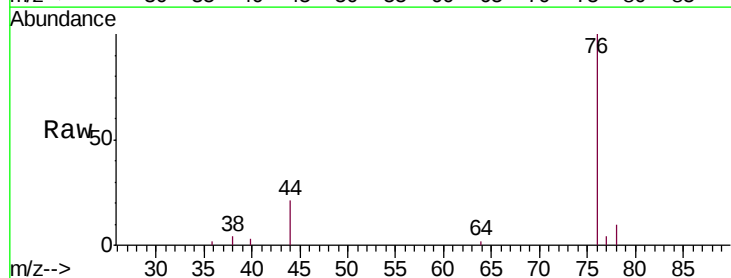
Acq: 15 Aug 2018 20:47

Tgt Ion: 76 Resp: 10762

Ion Ratio Lower Upper

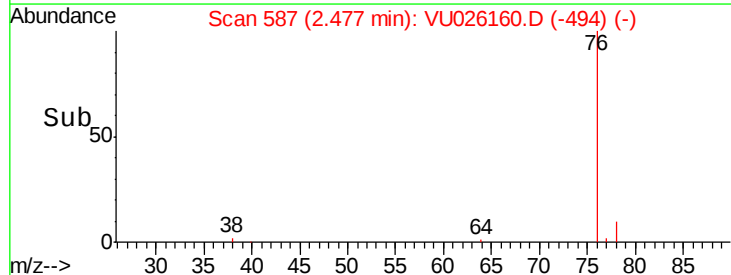
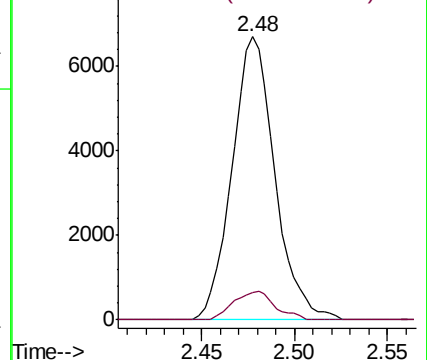
76 100

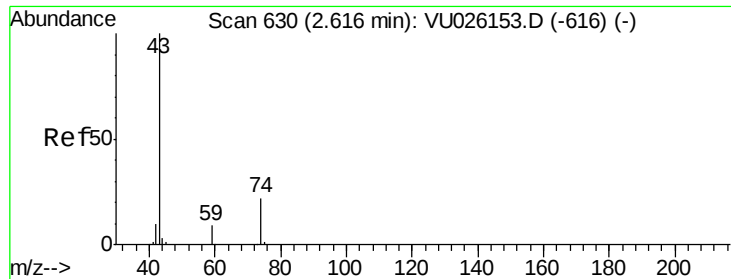
78 9.8 7.4 11.2



Abundance Ion 76.00 (75.70 to 76.70): VU026153.D (-574) (-)

Ion 78.00 (77.70 to 78.70): VU026153.D (-574) (-)





#15

Methyl Acetate

Concen: 2.571 ug/L

RT: 2.62 min Scan# 631

Delta R.T. 0.00 min

Lab File: VU026160.D

Acq: 15 Aug 2018 20:47

Instrument :

MSVOA_U

ClientSampled :

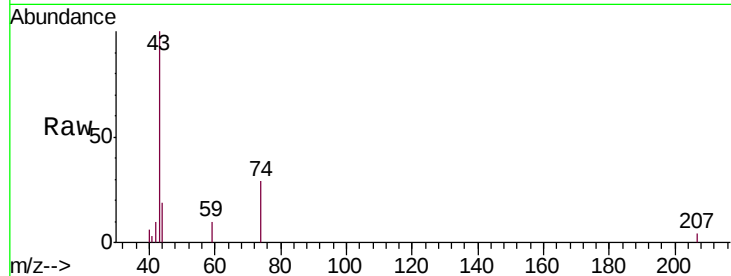
MDL05

Tgt Ion: 43 Resp: 5259

Ion Ratio Lower Upper

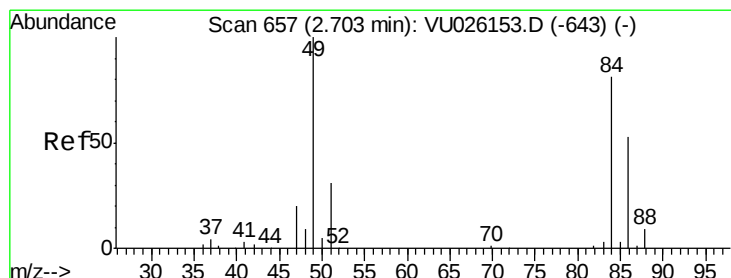
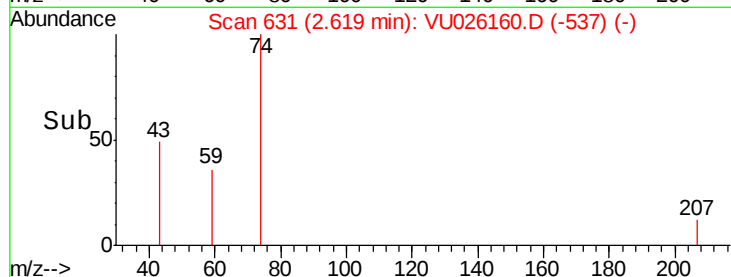
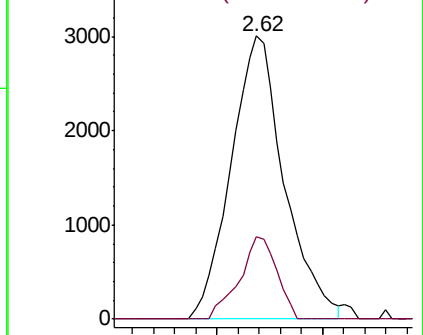
43 100

74 20.4 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: 2.432 ug/L

RT: 2.71 min Scan# 658

Delta R.T. 0.00 min

Lab File: VU026160.D

Acq: 15 Aug 2018 20:47

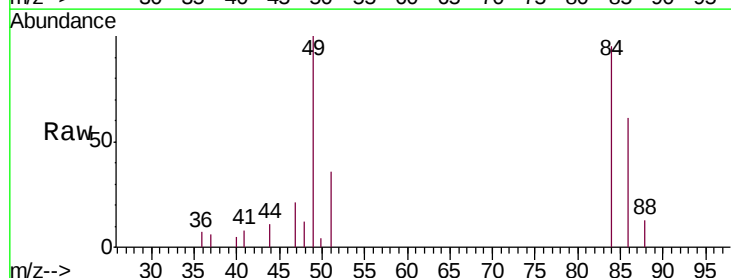
Tgt Ion: 84 Resp: 4924

Ion Ratio Lower Upper

84 100

86 64.1 44.0 81.6

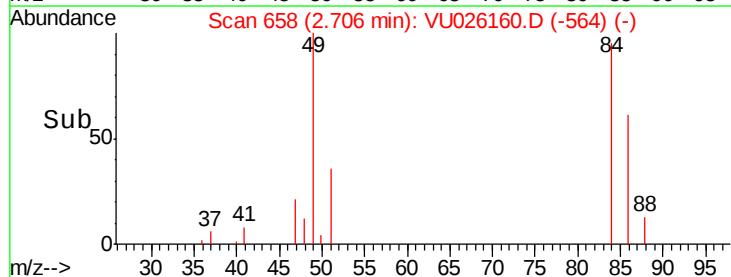
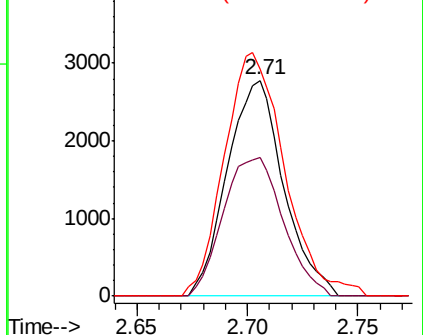
49 105.2 87.7 162.9

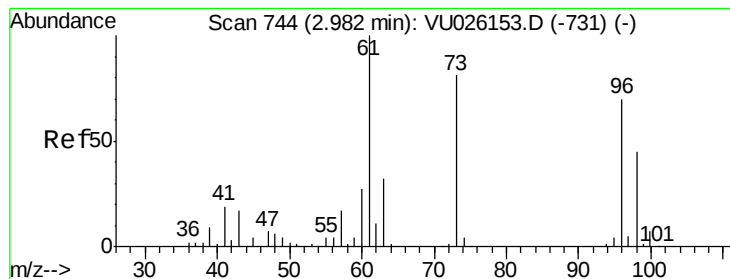


Abundance Ion 84.00 (83.70 to 84.70): VU0

Ion 86.00 (85.70 to 86.70): VU0

Ion 49.00 (48.70 to 49.70): VU0





#17

trans-1,2-Dichloroethene

Concen: 2.073 ug/L

RT: 2.99 min Scan# 745

Delta R.T. 0.00 min

Lab File: VU026160.D

Acq: 15 Aug 2018 20:47

Instrument :

MSVOA_U

ClientSampled :

MDL05

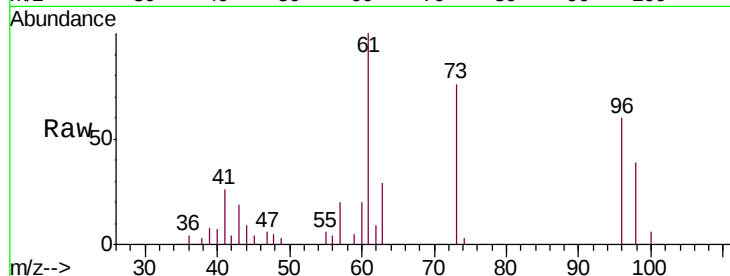
Tgt Ion: 96 Resp: 3717

Ion Ratio Lower Upper

96 100

61 165.9 96.7 179.5

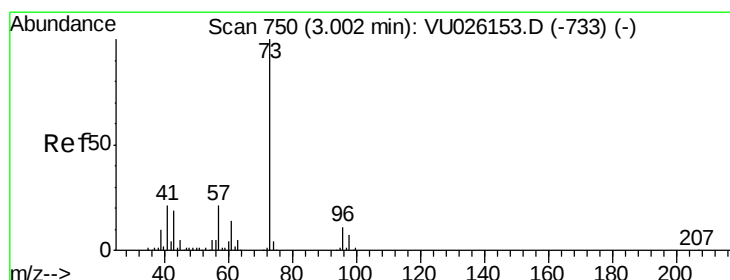
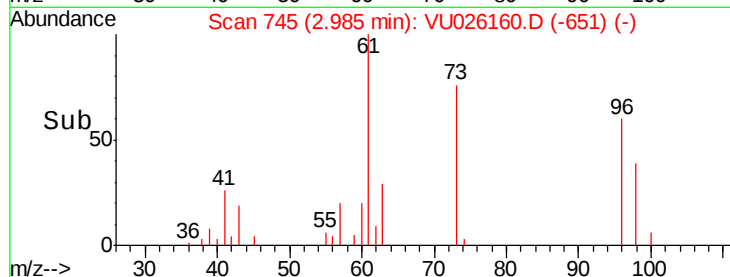
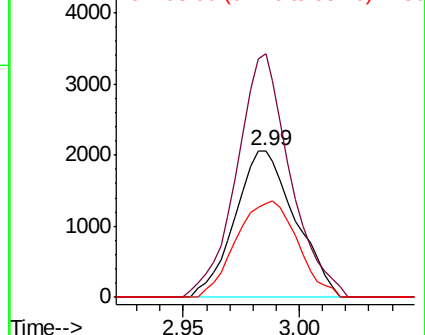
98 64.2 43.6 81.0



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: 1.971 ug/L

RT: 3.00 min Scan# 751

Delta R.T. 0.00 min

Lab File: VU026160.D

Acq: 15 Aug 2018 20:47

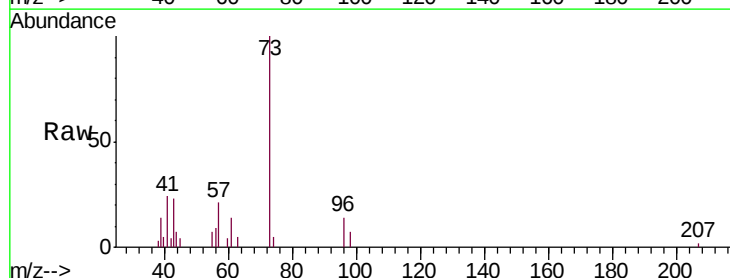
Tgt Ion: 73 Resp: 11219

Ion Ratio Lower Upper

73 100

43 17.0 16.2 24.4

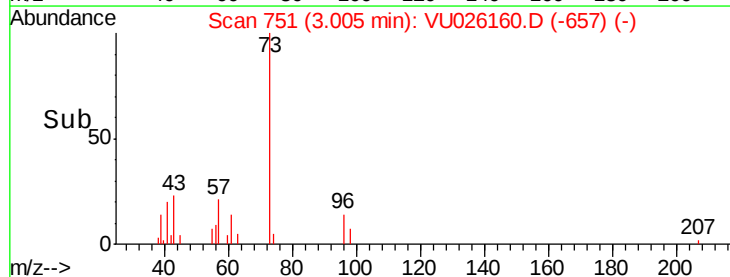
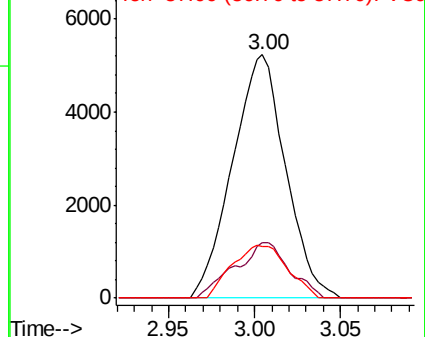
57 22.7 18.2 27.2

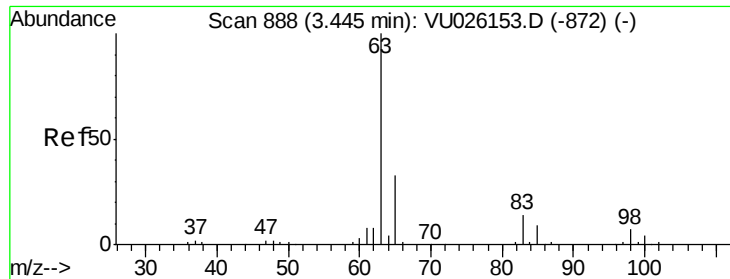


Abundance Ion 73.00 (72.70 to 73.70): VU0

Ion 43.00 (42.70 to 43.70): VU0

Ion 57.00 (56.70 to 57.70): VU0





#19

1,1-Dichloroethane

Concen: 1.963 ug/L

RT: 3.45 min Scan# 890

Delta R.T. 0.01 min

Lab File: VU026160.D

Acq: 15 Aug 2018 20:47

Instrument :

MSVOA_U

ClientSampleId :

MDL05

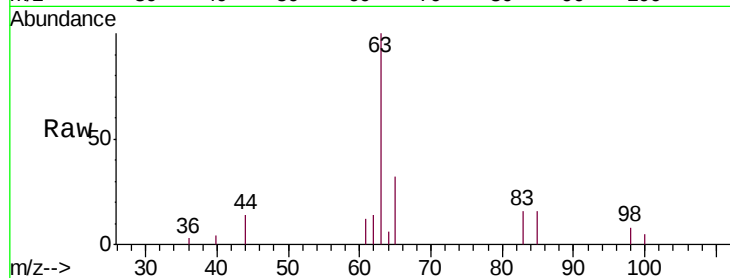
Tgt Ion: 63 Resp: 6776

Ion Ratio Lower Upper

63 100

65 32.4 22.1 41.1

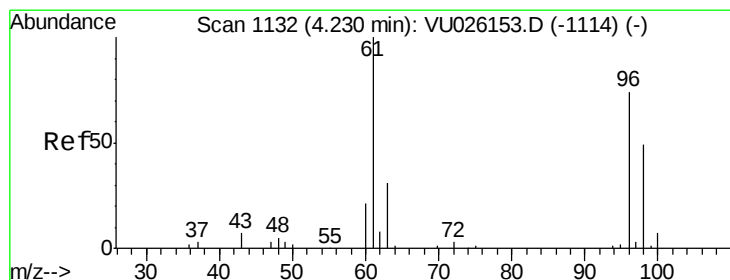
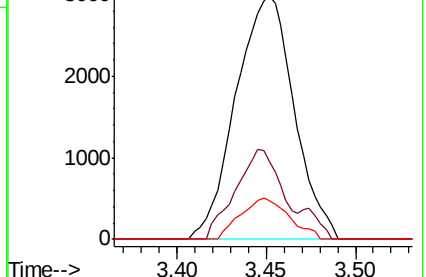
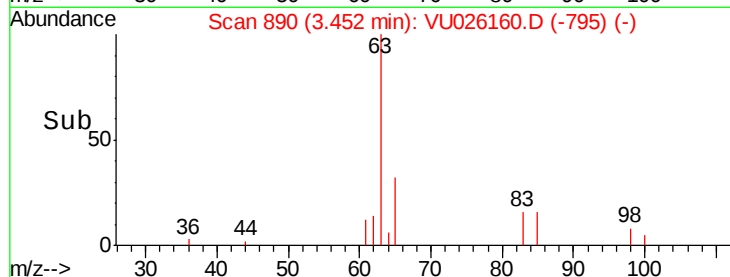
83 16.2 9.4 17.4



Abundance Ion 63.00 (62.70 to 63.70): VU026160.D (-795) (-)

Ion 65.00 (64.70 to 65.70): VU026160.D (-795) (-)

Ion 83.00 (82.70 to 83.70): VU026160.D (-795) (-)



#20

cis-1,2-Dichloroethene

Concen: 2.109 ug/L

RT: 4.23 min Scan# 1131

Delta R.T. -0.00 min

Lab File: VU026160.D

Acq: 15 Aug 2018 20:47

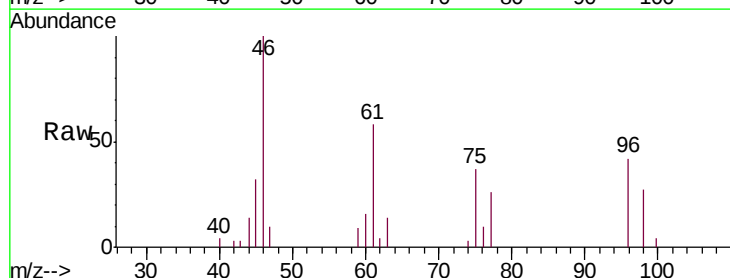
Tgt Ion: 96 Resp: 4240

Ion Ratio Lower Upper

96 100

61 140.4 88.6 164.6

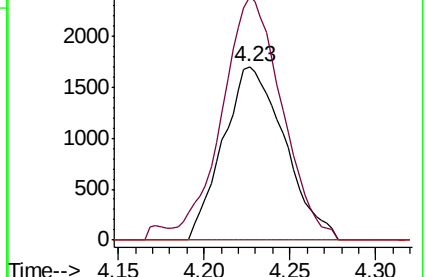
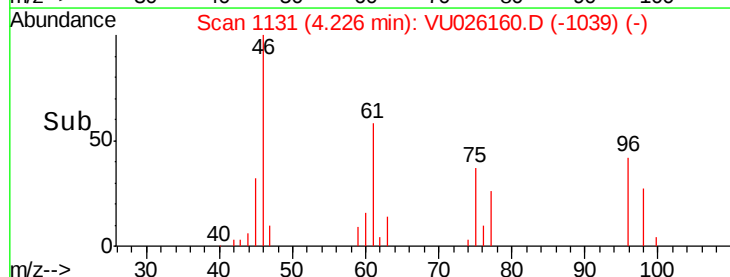
68 0.0 0.0 0.0

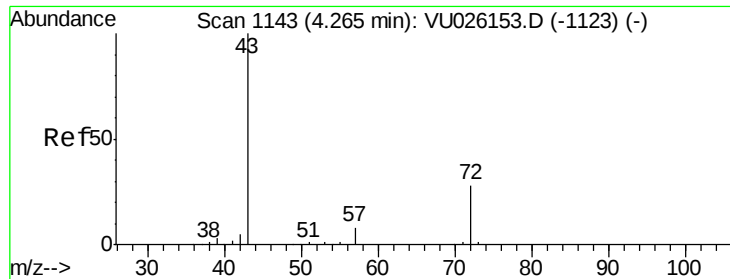


Abundance Ion 96.00 (95.70 to 96.70): VU026160.D (-1039) (-)

Ion 61.00 (60.70 to 61.70): VU026160.D (-1039) (-)

Ion 68.00 (67.70 to 68.70): VU026160.D (-1039) (-)





#22

2-Butanone

Concen: 2.923 ug/L

RT: 4.27 min Scan# 1146

Delta R.T. 0.01 min

Lab File: VU026160.D

Acq: 15 Aug 2018 20:47

Instrument :

MSVOA_U

ClientSampleId :

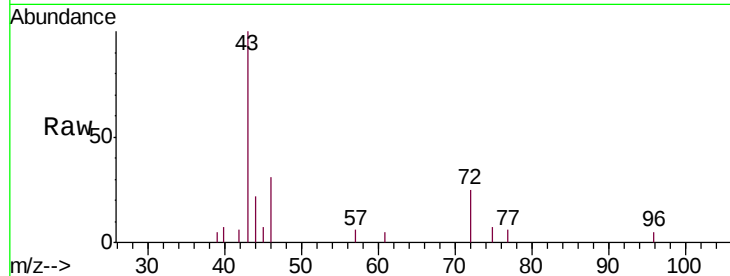
MDL05

Tgt Ion: 43 Resp: 4295

Ion Ratio Lower Upper

43 100

72 21.8 13.4 40.1



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 72.00 (71.70 to 72.70): VU0

4.27

2500

2000

1500

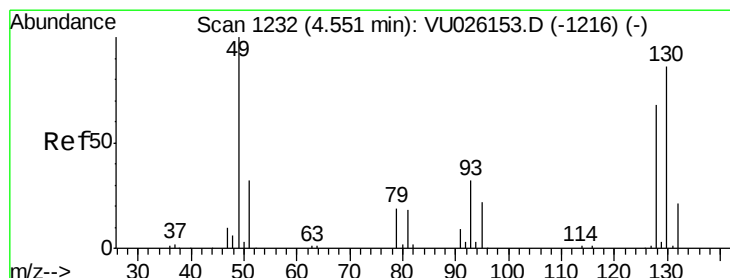
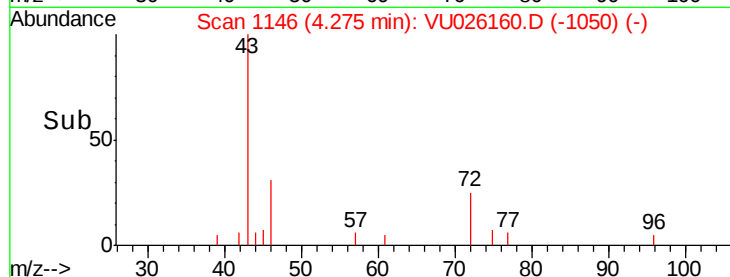
1000

500

0

Time-->

4.20 4.25 4.30



#23

Bromochloromethane

Concen: 2.213 ug/L

RT: 4.55 min Scan# 1233

Delta R.T. 0.00 min

Lab File: VU026160.D

Acq: 15 Aug 2018 20:47

Tgt Ion: 128 Resp: 2405

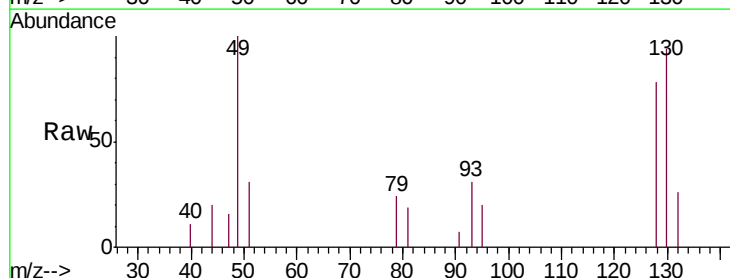
Ion Ratio Lower Upper

128 100

49 127.6 101.3 188.1

130 120.4 86.4 160.4

51 39.5 38.1 57.1



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 49.00 (48.70 to 49.70): VU0

Ion 130.00 (129.70 to 130.70): V

Ion 51.00 (50.70 to 51.70): VU0

8000

6000

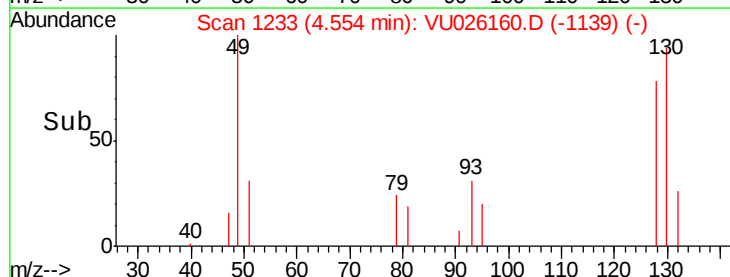
4000

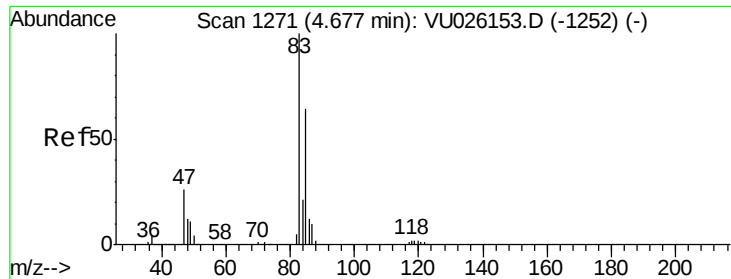
2000

0

Time-->

4.50 4.55 4.60





#25

Chloroform

Concen: 2.683 ug/L

RT: 4.68 min Scan# 1271

Delta R.T. -0.00 min

Lab File: VU026160.D

Acq: 15 Aug 2018 20:47

Instrument :

MSVOA_U

ClientSampleId :

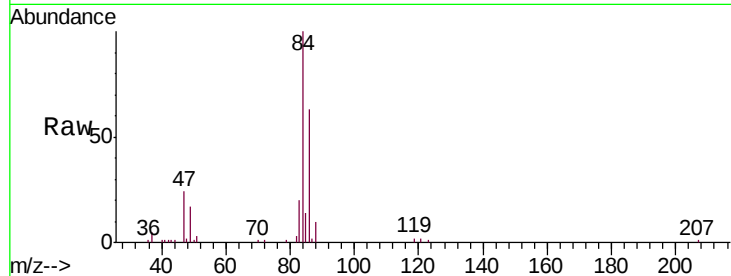
MDL05

Tgt Ion: 83 Resp: 9724

Ion Ratio Lower Upper

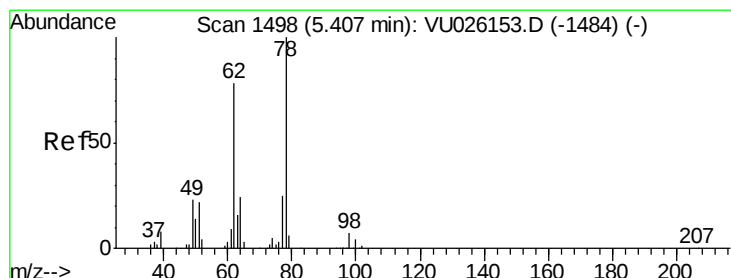
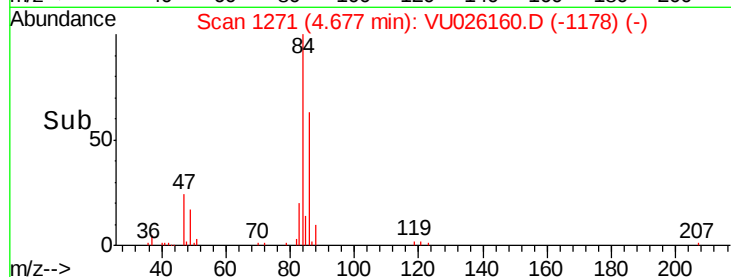
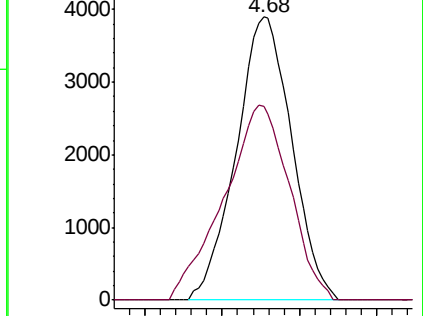
83 100

85 68.3 46.3 86.1



Abundance Ion 83.00 (82.70 to 83.70): VU0

Ion 85.00 (84.70 to 85.70): VU0



#27

1,2-Dichloroethane

Concen: 2.258 ug/L

RT: 5.41 min Scan# 1500

Delta R.T. 0.01 min

Lab File: VU026160.D

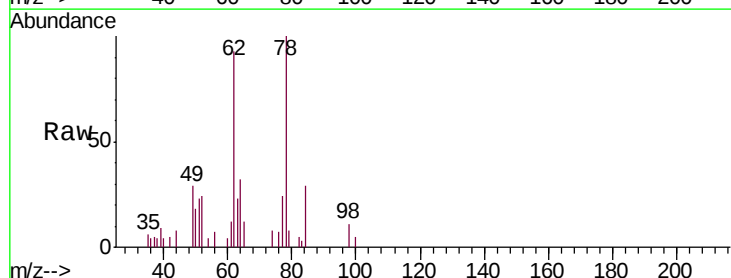
Acq: 15 Aug 2018 20:47

Tgt Ion: 62 Resp: 6617

Ion Ratio Lower Upper

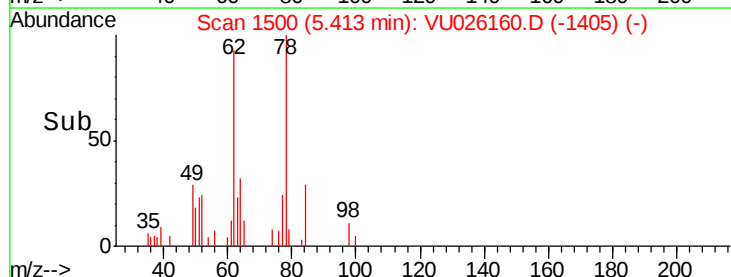
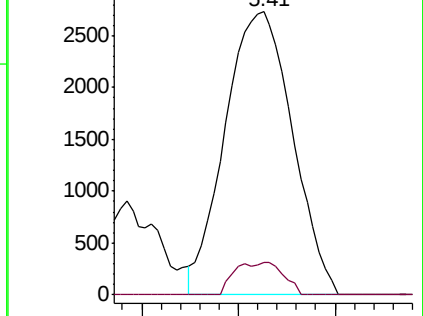
62 100

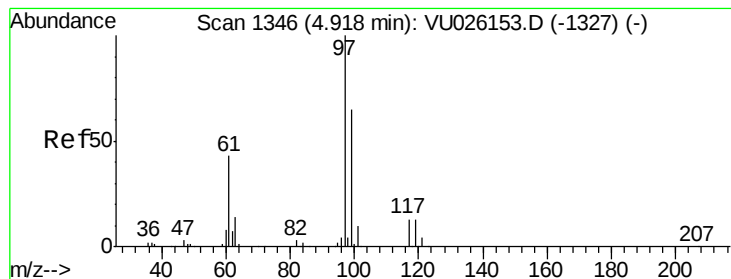
98 11.6 7.0 10.4#



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 98.00 (97.70 to 98.70): VU0





#30

1,1,1-Trichloroethane

Concen: 2.141 ug/L

RT: 4.92 min Scan# 1347

Delta R.T. 0.00 min

Lab File: VU026160.D

Acq: 15 Aug 2018 20:47

Instrument :

MSVOA_U

ClientSampled :

MDL05

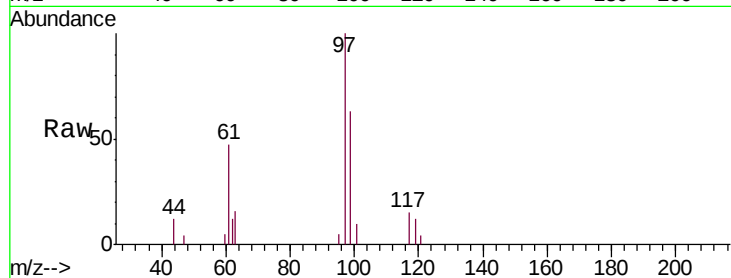
Tgt Ion: 97 Resp: 6871

Ion Ratio Lower Upper

97 100

99 60.6 52.2 78.2

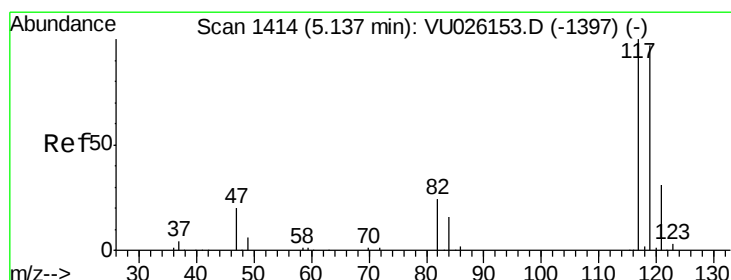
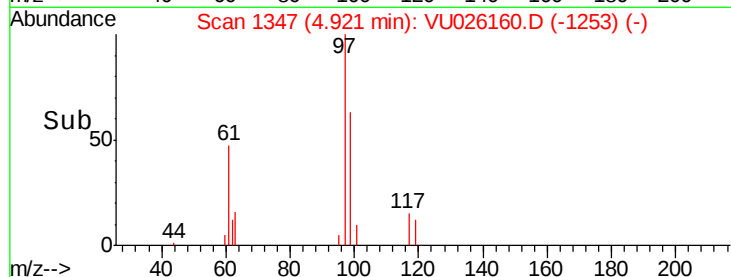
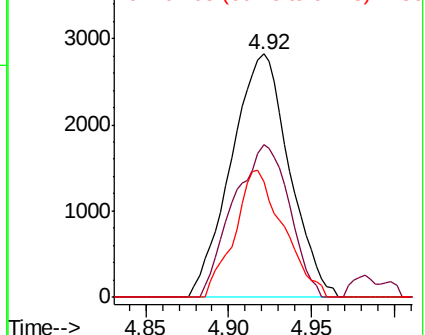
61 44.0 35.4 53.0



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: 2.135 ug/L

RT: 5.14 min Scan# 1415

Delta R.T. 0.00 min

Lab File: VU026160.D

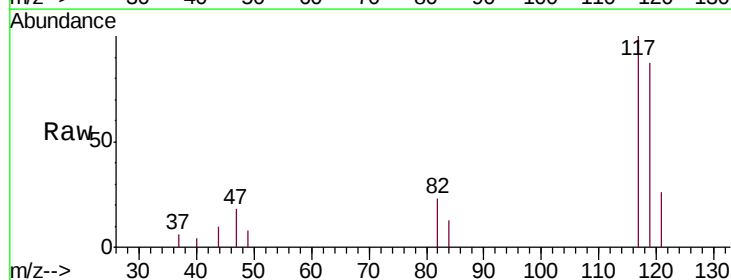
Acq: 15 Aug 2018 20:47

Tgt Ion: 117 Resp: 6208

Ion Ratio Lower Upper

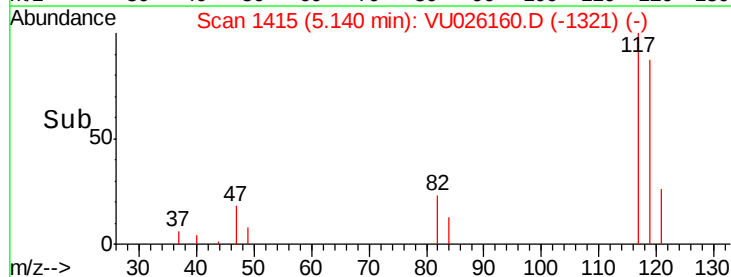
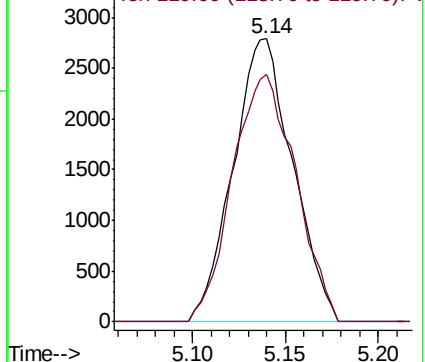
117 100

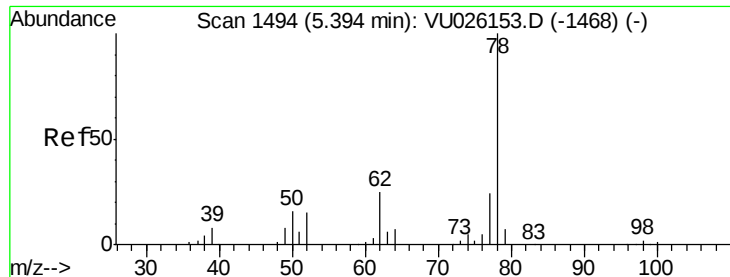
119 92.9 77.4 116.2



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V





#33

Benzene

Concen: 2.075 ug/L

RT: 5.39 min Scan# 1494

Delta R.T. -0.00 min

Lab File: VU026160.D

Acq: 15 Aug 2018 20:47

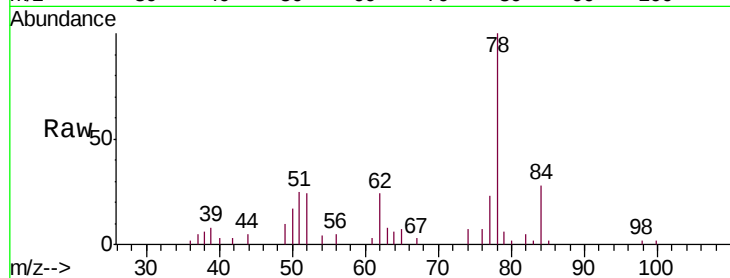
Instrument :

MSVOA_U

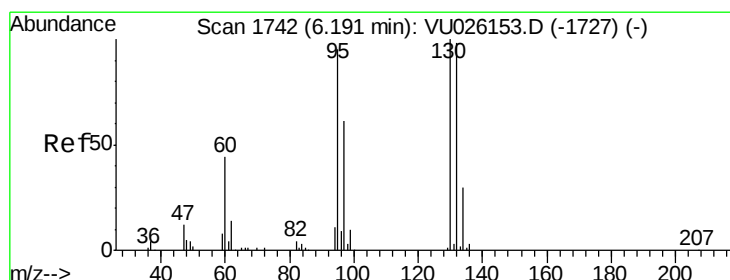
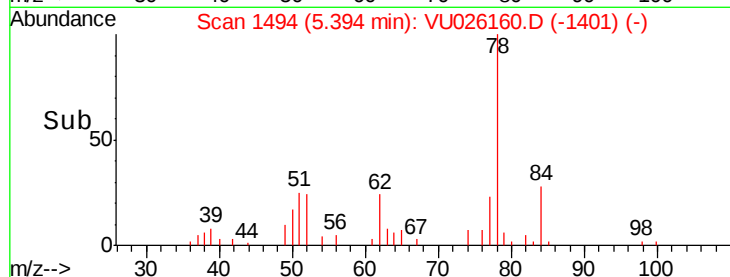
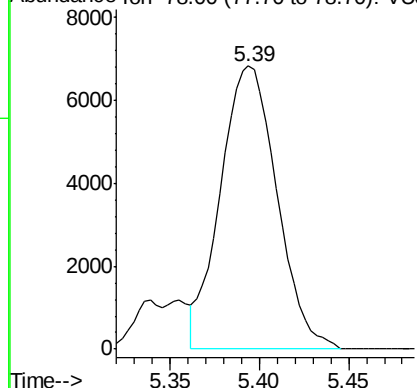
ClientSampled :

MDL05

Tgt Ion: 78 Resp: 15096



Abundance Ion 78.00 (77.70 to 78.70): VU0



#34

Trichloroethene

Concen: 2.303 ug/L

RT: 6.19 min Scan# 1742

Delta R.T. -0.00 min

Lab File: VU026160.D

Acq: 15 Aug 2018 20:47

Tgt Ion: 95 Resp: 4364

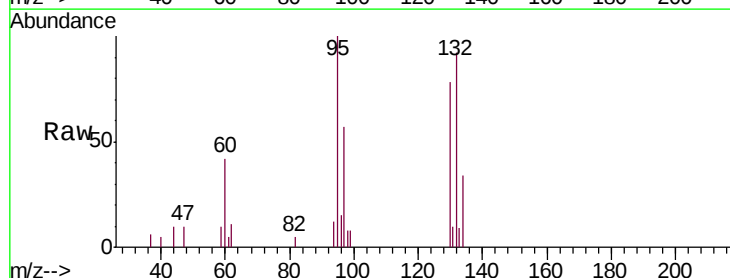
Ion	Ratio	Lower	Upper
95	100		
97	57.1	45.7	84.9
132	91.9	68.8	127.8
130	77.5	71.5	132.7

95 100

97 57.1 45.7 84.9

132 91.9 68.8 127.8

130 77.5 71.5 132.7

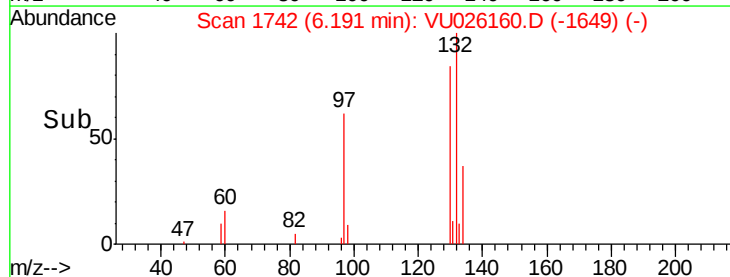
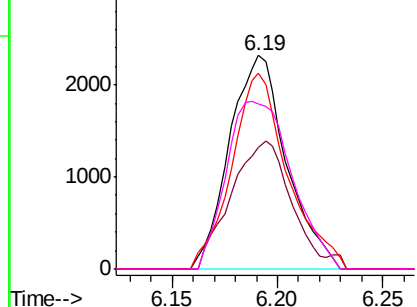


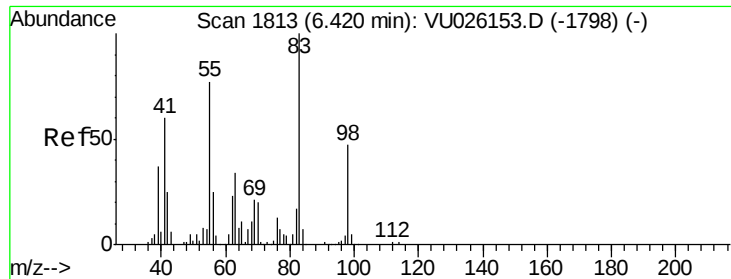
Abundance Ion 95.00 (94.70 to 95.70): VU0

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

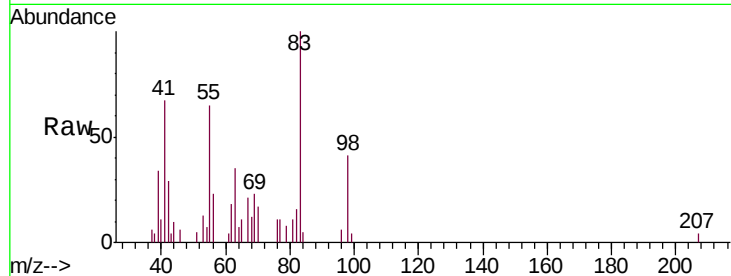




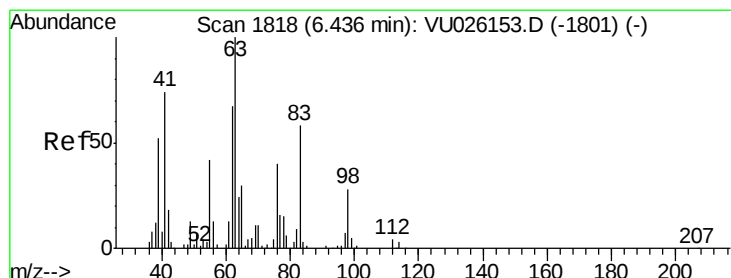
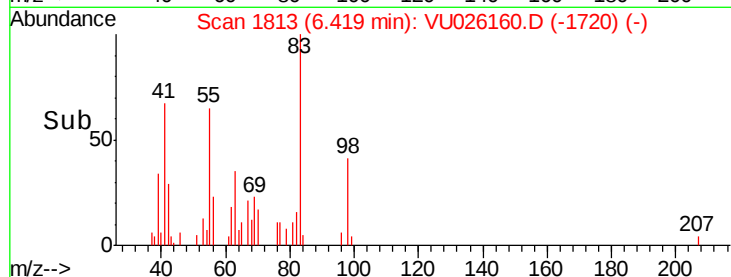
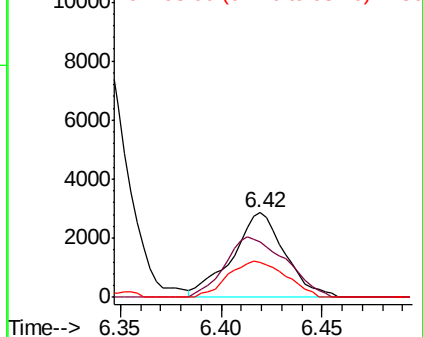
#35
Methylcyclohexane
Concen: 1.839 ug/L
RT: 6.42 min Scan# 1813
Delta R.T. -0.00 min
Lab File: VU026160.D
Acq: 15 Aug 2018 20:47

Instrument :
MSVOA_U
ClientSampleId :
MDL05

Tgt Ion: 83 Resp: 5230
Ion Ratio Lower Upper
83 100
55 82.0 61.0 91.6
98 46.5 37.6 56.4

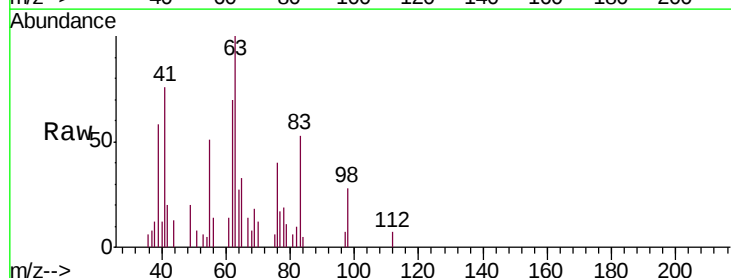


Abundance Ion 83.00 (82.70 to 83.70): VU0
Ion 55.00 (54.70 to 55.70): VU0
Ion 98.00 (97.70 to 98.70): VU0

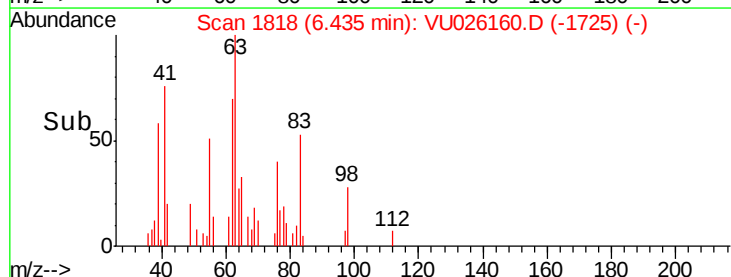
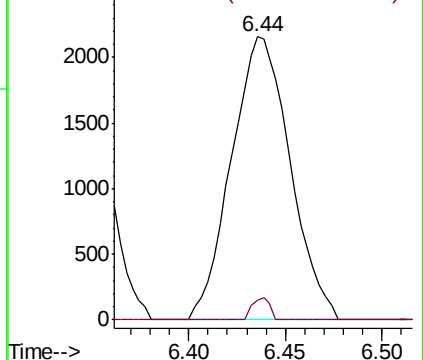


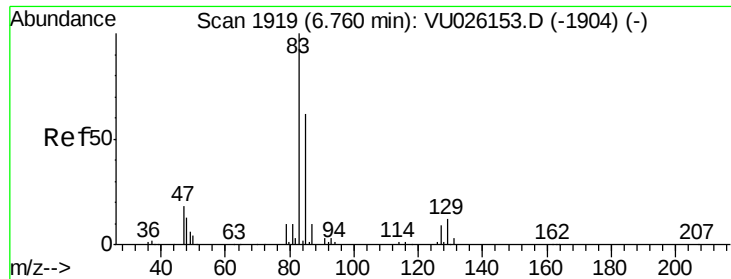
#37
1,2-Dichloropropane
Concen: 2.235 ug/L
RT: 6.44 min Scan# 1818
Delta R.T. -0.00 min
Lab File: VU026160.D
Acq: 15 Aug 2018 20:47

Tgt Ion: 63 Resp: 4541
Ion Ratio Lower Upper
63 100
112 2.3 3.5 5.3#



Abundance Ion 63.00 (62.70 to 63.70): VU0
Ion 112.00 (111.70 to 112.70): V

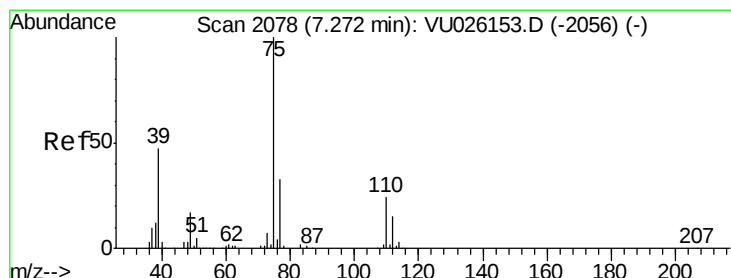
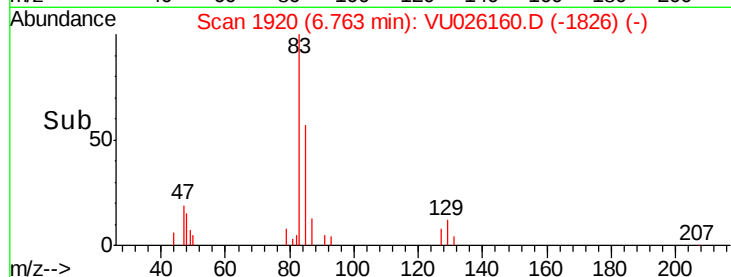
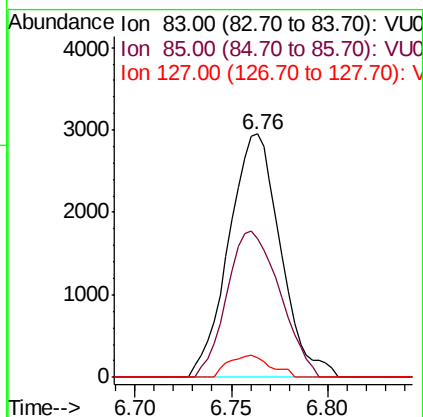
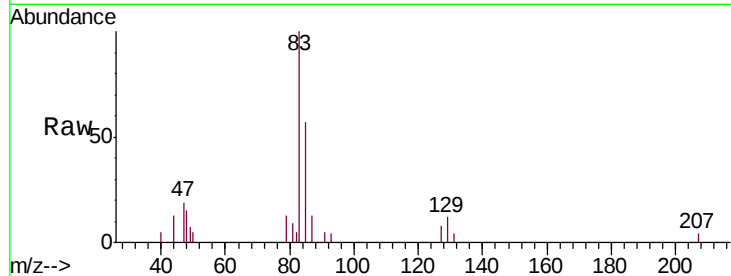




#38
 Bromodichloromethane
 Concen: 2.039 ug/L
 RT: 6.76 min Scan# 1920
 Delta R.T. 0.00 min
 Lab File: VU026160.D
 Acq: 15 Aug 2018 20:47

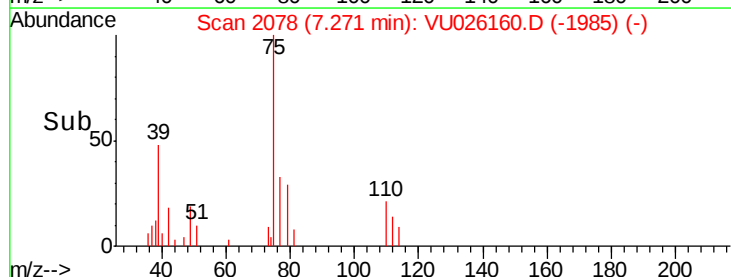
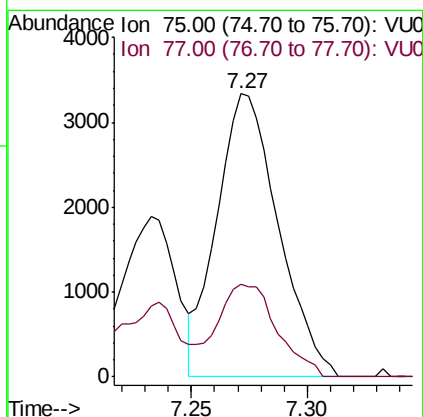
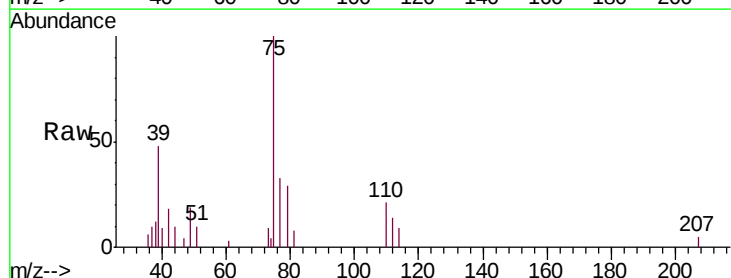
Instrument :
 MSVOA_U
 ClientSampleId :
 MDL05

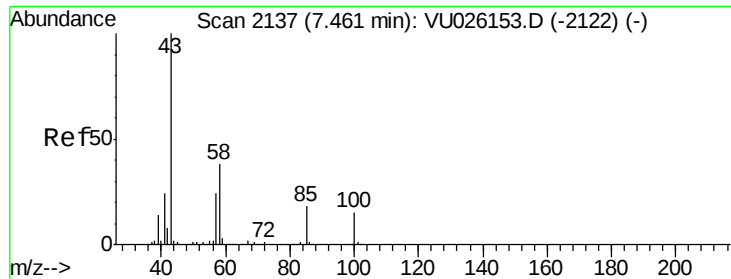
Tgt Ion: 83 Resp: 5484
 Ion Ratio Lower Upper
 83 100
 85 57.0 46.0 85.4
 127 8.1 7.5 11.3



#39
 cis-1,3-Dichloropropene
 Concen: 2.046 ug/L
 RT: 7.27 min Scan# 2078
 Delta R.T. -0.00 min
 Lab File: VU026160.D
 Acq: 15 Aug 2018 20:47

Tgt Ion: 75 Resp: 6169
 Ion Ratio Lower Upper
 75 100
 77 32.5 22.2 41.2

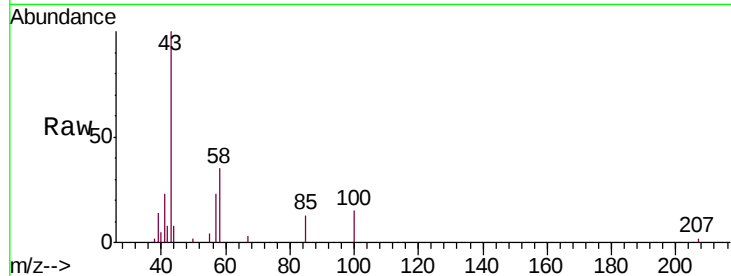




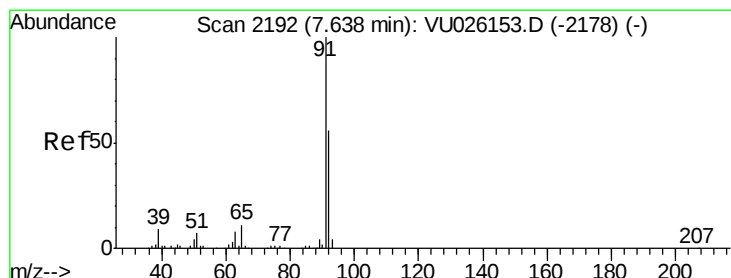
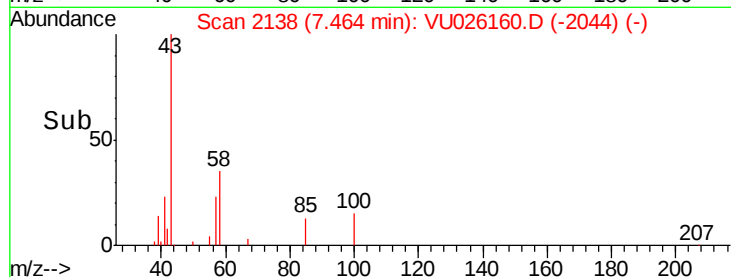
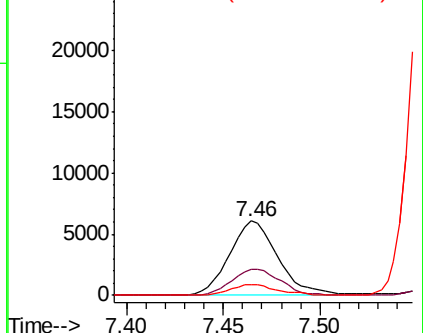
#40
4-Methyl-2-pentanone
Concen: 4.199 ug/L
RT: 7.46 min Scan# 2138
Delta R.T. 0.00 min
Lab File: VU026160.D
Acq: 15 Aug 2018 20:47

Instrument :
MSVOA_U
ClientSampleId :
MDL05

Tgt Ion: 43 Resp: 10581
Ion Ratio Lower Upper
43 100
58 35.0 31.8 47.8
100 13.8 12.2 18.2

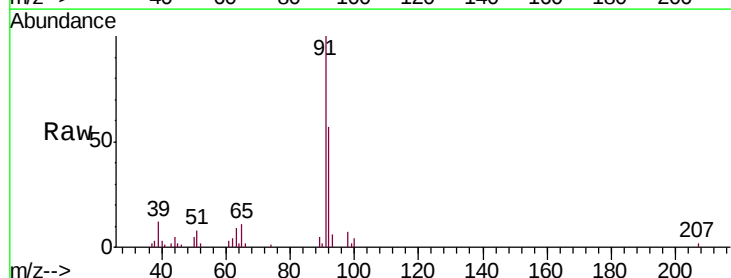


Abundance Ion 43.00 (42.70 to 43.70): VU0
Ion 58.00 (57.70 to 58.70): VU0
Ion 100.00 (99.70 to 100.70): VU0

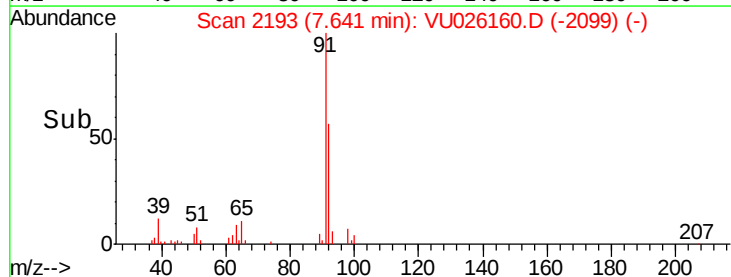
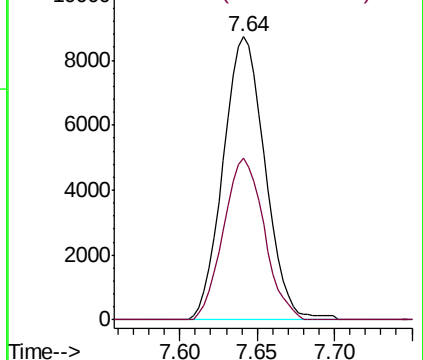


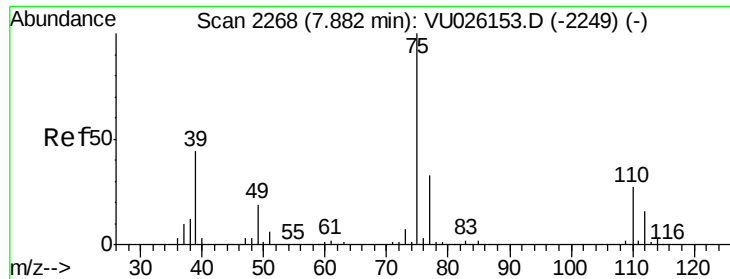
#42
Toluene
Concen: 2.120 ug/L
RT: 7.64 min Scan# 2193
Delta R.T. 0.00 min
Lab File: VU026160.D
Acq: 15 Aug 2018 20:47

Tgt Ion: 91 Resp: 16374
Ion Ratio Lower Upper
91 100
92 57.0 40.0 74.4



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

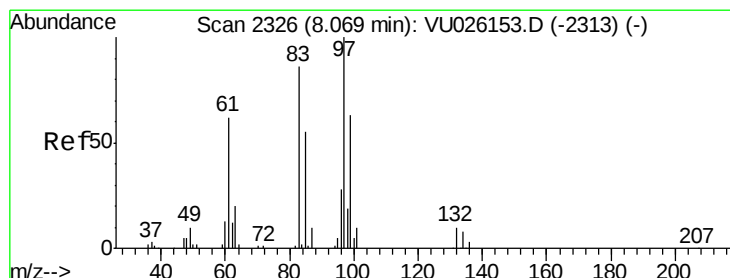
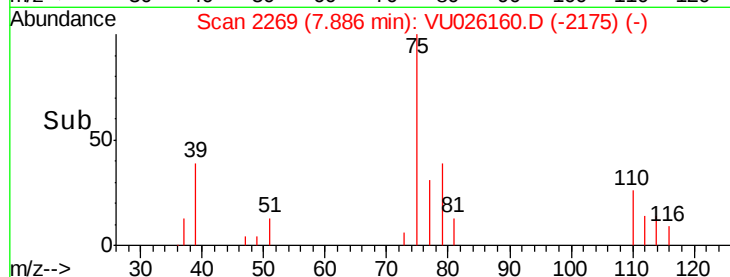
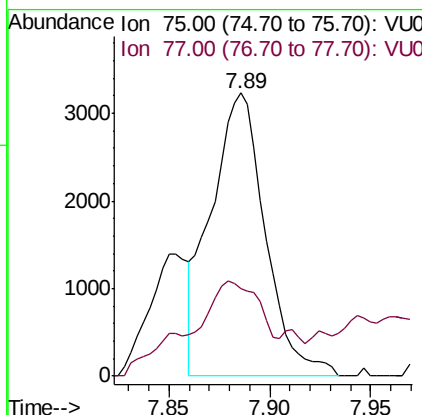
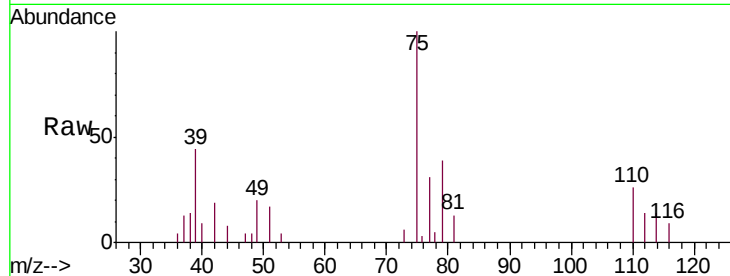




#44
trans-1,3-Dichloropropene
Concen: 2.094 ug/L
RT: 7.89 min Scan# 2269
Delta R.T. 0.00 min
Lab File: VU026160.D
Acq: 15 Aug 2018 20:47

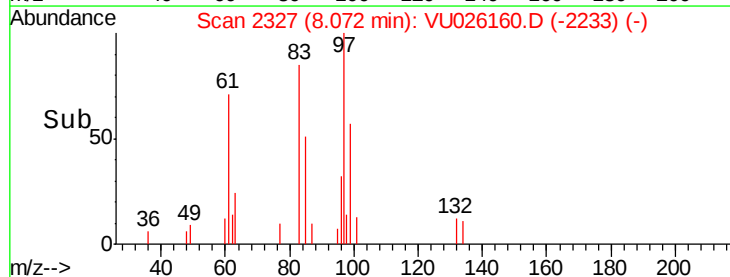
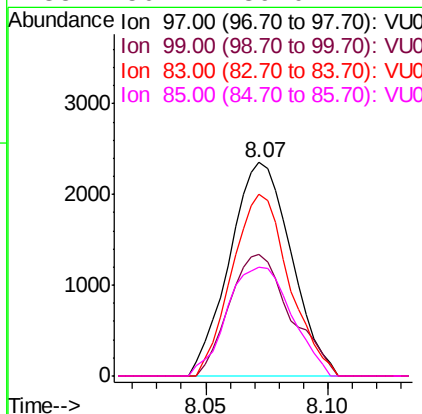
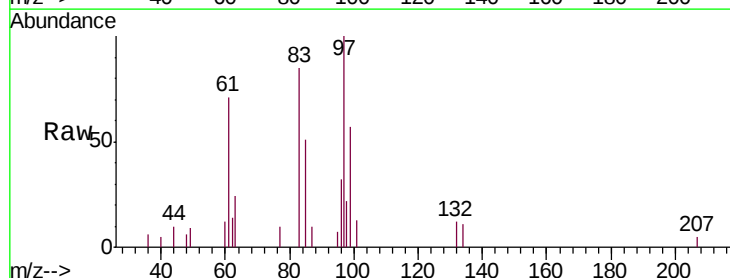
Instrument :
MSVOA_U
ClientSampled :
MDL05

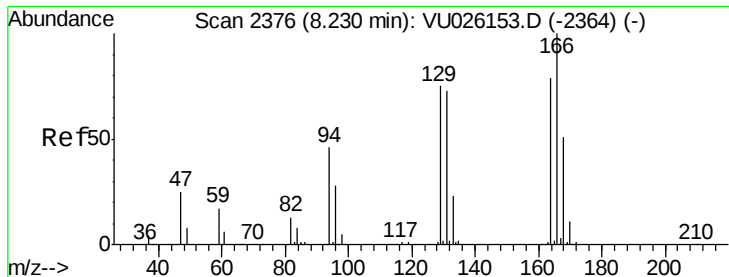
Tgt Ion: 75 Resp: 6083
Ion Ratio Lower Upper
75 100
77 30.9 22.0 41.0



#45
1,1,2-Trichloroethane
Concen: 2.139 ug/L
RT: 8.07 min Scan# 2327
Delta R.T. 0.00 min
Lab File: VU026160.D
Acq: 15 Aug 2018 20:47

Tgt Ion: 97 Resp: 4119
Ion Ratio Lower Upper
97 100
99 56.7 43.3 80.5
83 85.1 58.4 108.6
85 50.7 39.0 72.4

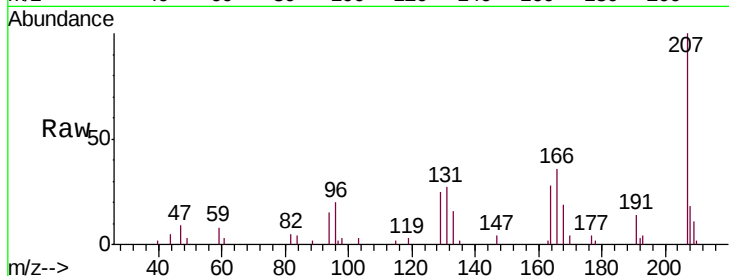




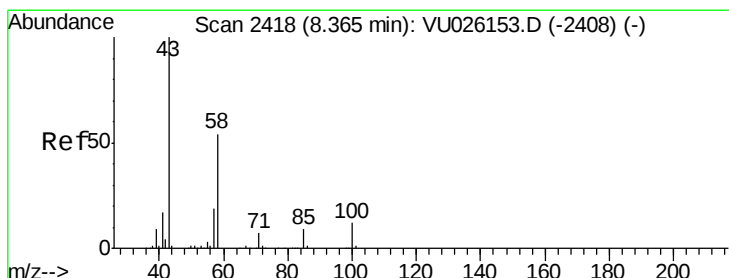
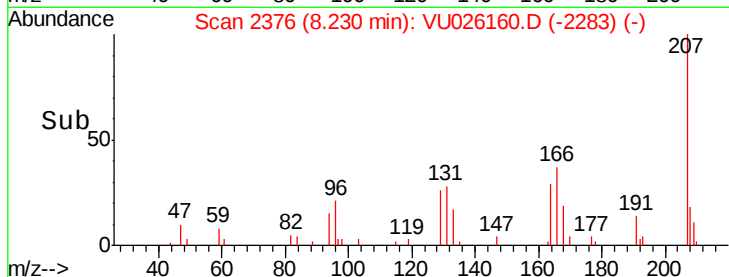
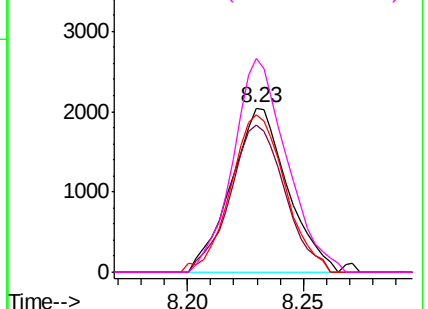
#46
Tetrachloroethene
Concen: 2.122 ug/L
RT: 8.23 min Scan# 2376
Delta R.T. -0.00 min
Lab File: VU026160.D
Acq: 15 Aug 2018 20:47

Instrument :
MSVOA_U
ClientSampleId :
MDL05

Tgt Ion:164 Resp: 3468
Ion Ratio Lower Upper
164 100
129 89.4 65.7 121.9
131 96.1 62.0 115.2
166 130.1 88.9 165.1

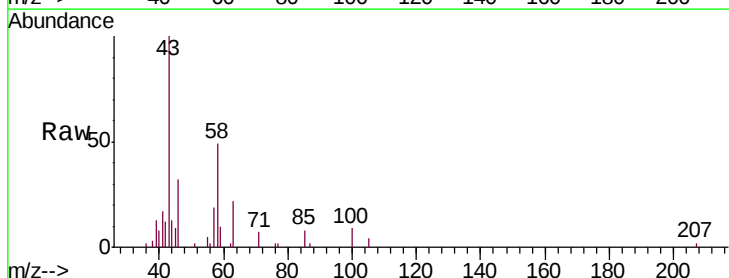


Abundance Ion 164.00 (163.70 to 164.70): V
Ion 129.00 (128.70 to 129.70): V
Ion 131.00 (130.70 to 131.70): V
Ion 166.00 (165.70 to 166.70): V

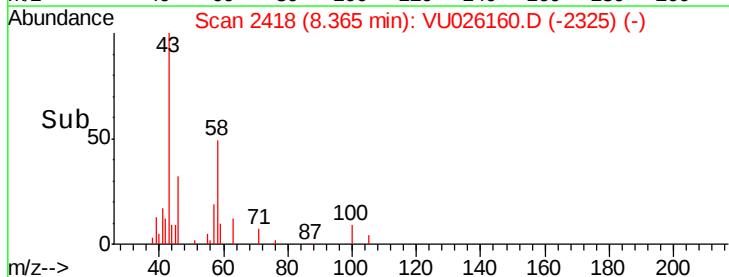
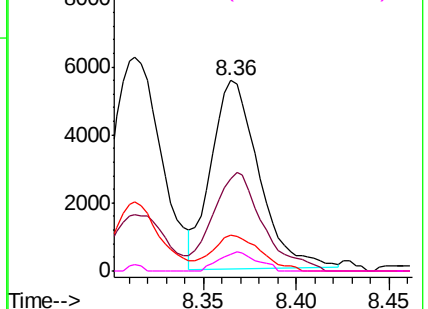


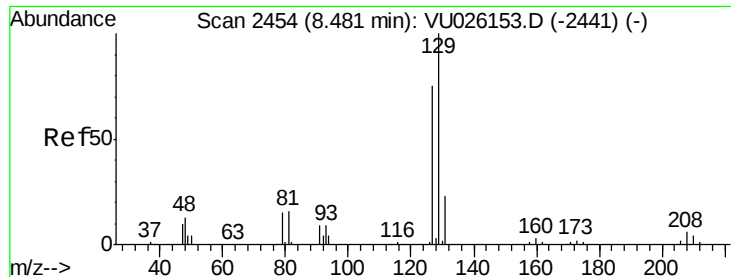
#48
2-Hexanone
Concen: 4.985 ug/L
RT: 8.36 min Scan# 2418
Delta R.T. -0.00 min
Lab File: VU026160.D
Acq: 15 Aug 2018 20:47

Tgt Ion: 43 Resp: 9842
Ion Ratio Lower Upper
43 100
58 55.5 42.9 64.3
57 19.8 15.1 22.7
100 8.1 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: 2.136 ug/L

RT: 8.48 min Scan# 2454

Delta R.T. -0.00 min

Lab File: VU026160.D

Acq: 15 Aug 2018 20:47

Instrument :

MSVOA_U

ClientSampleId :

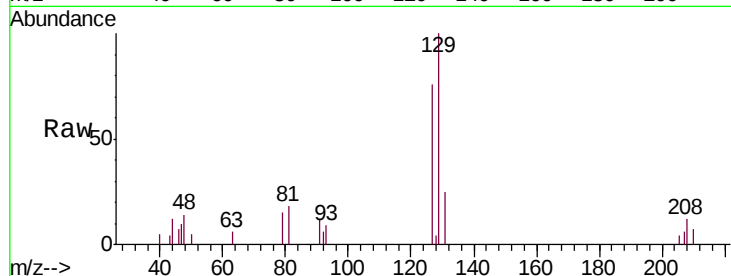
MDL05

Tgt Ion:129 Resp: 4955

Ion Ratio Lower Upper

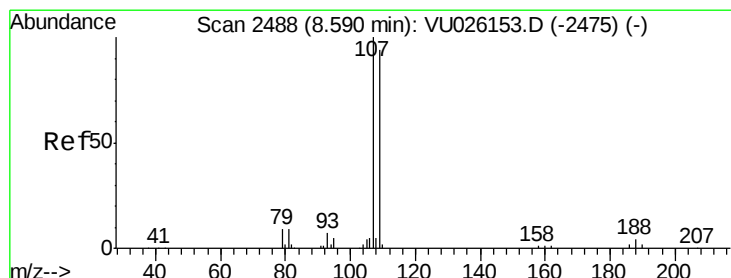
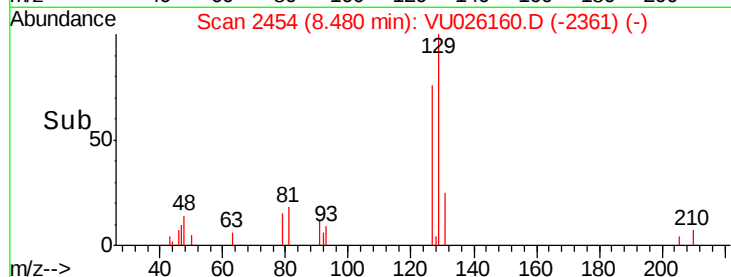
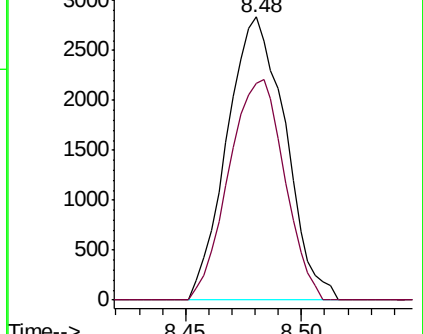
129 100

127 76.5 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: 2.199 ug/L

RT: 8.59 min Scan# 2489

Delta R.T. 0.00 min

Lab File: VU026160.D

Acq: 15 Aug 2018 20:47

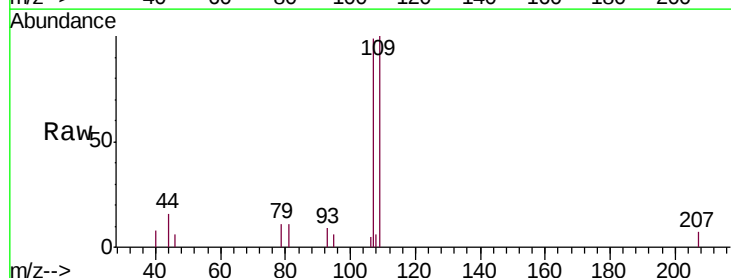
Tgt Ion:107 Resp: 4398

Ion Ratio Lower Upper

107 100

109 101.2 66.1 122.7

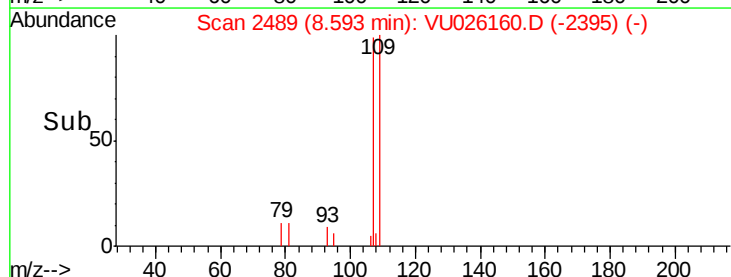
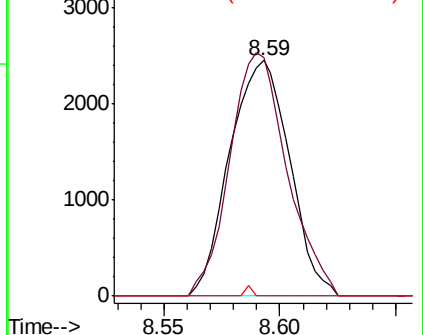
188 0.0 3.2 4.8#

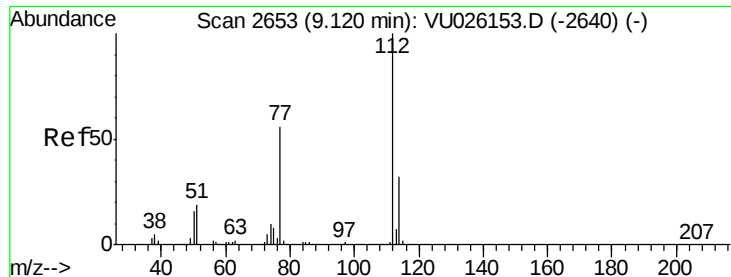


Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

Ion 188.00 (187.70 to 188.70): V





#51

Chlorobenzene

Concen: 2.125 ug/L

RT: 9.12 min Scan# 2654

Delta R.T. 0.00 min

Lab File: VU026160.D

Acq: 15 Aug 2018 20:47

Instrument :

MSVOA_U

ClientSampleId :

MDL05

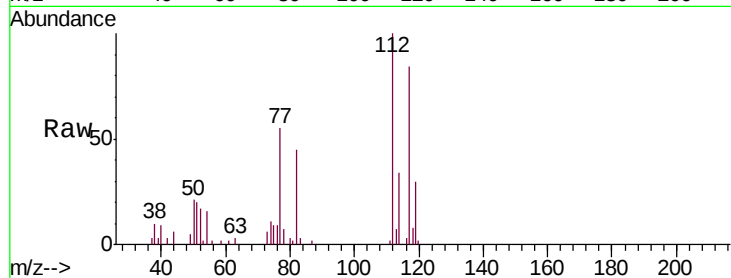
Tgt Ion: 112 Resp: 11217

Ion Ratio Lower Upper

112 100

114 33.7 22.5 41.9

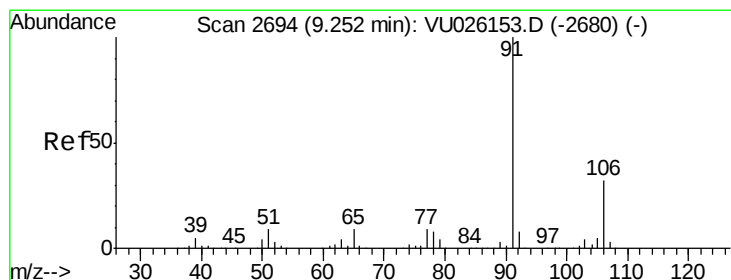
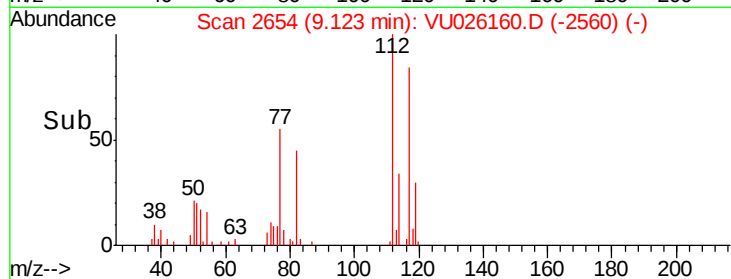
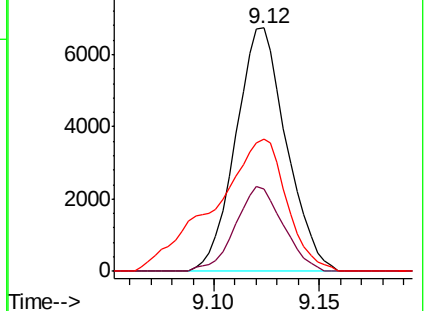
77 54.6 45.0 67.4



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: 1.857 ug/L

RT: 9.25 min Scan# 2694

Delta R.T. -0.00 min

Lab File: VU026160.D

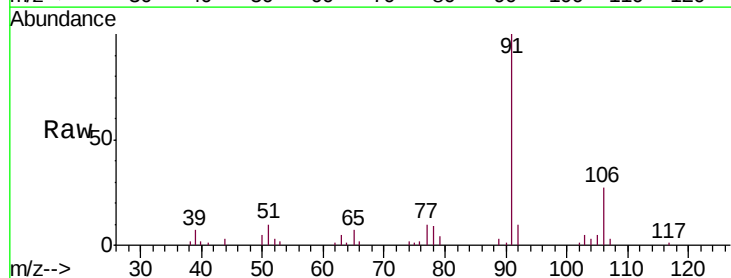
Acq: 15 Aug 2018 20:47

Tgt Ion: 91 Resp: 15625

Ion Ratio Lower Upper

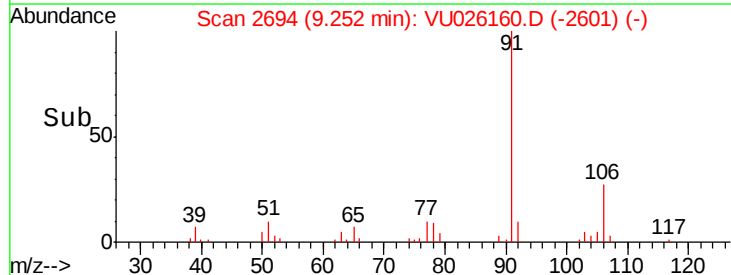
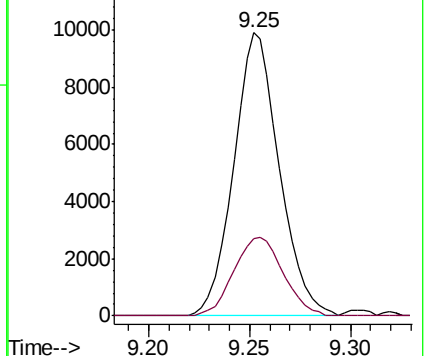
91 100

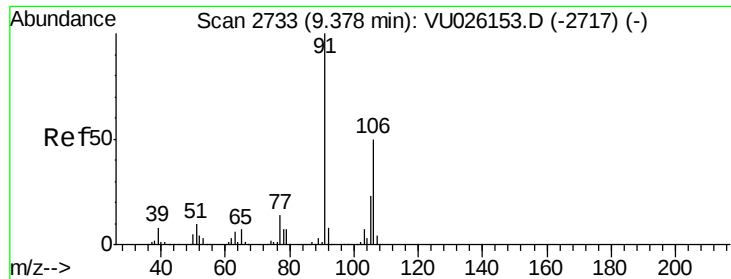
106 27.1 22.3 41.5



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 106.00 (105.70 to 106.70): V

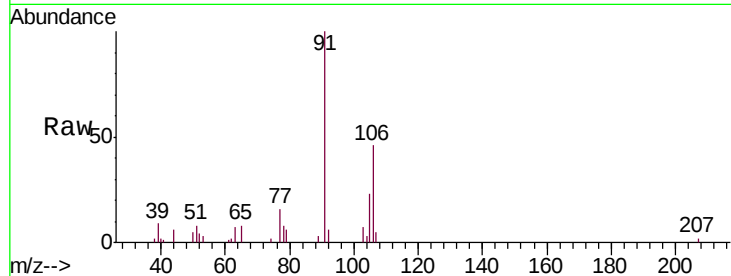




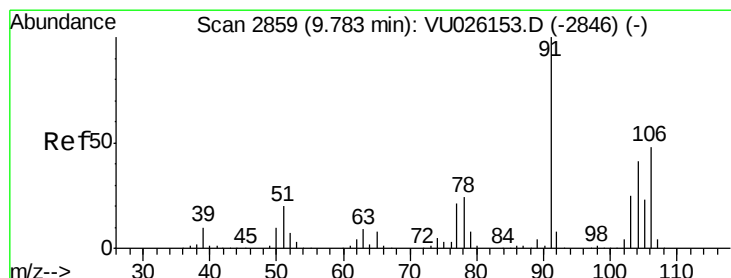
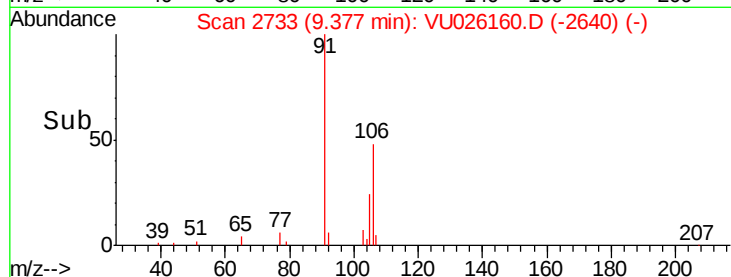
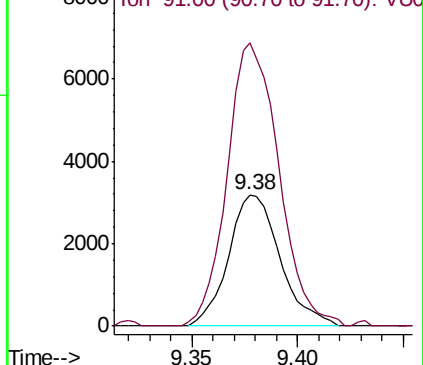
#53
m,p-Xylene
Concen: 1.666 ug/L
RT: 9.38 min Scan# 2733
Delta R.T. -0.00 min
Lab File: VU026160.D
Acq: 15 Aug 2018 20:47

Instrument :
MSVOA_U
ClientSampleId :
MDL05

Tgt Ion:106 Resp: 5403
Ion Ratio Lower Upper
106 100
91 215.8 139.2 258.4

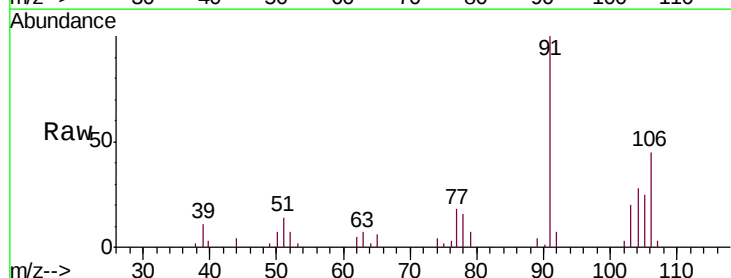


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VU0

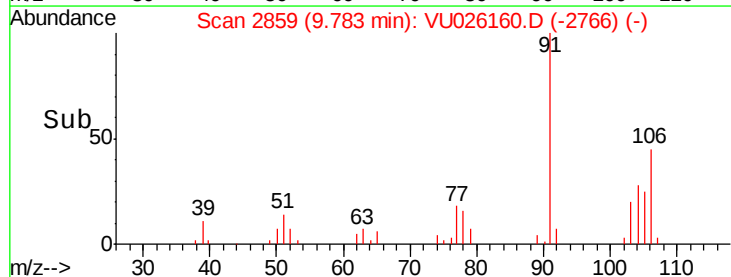
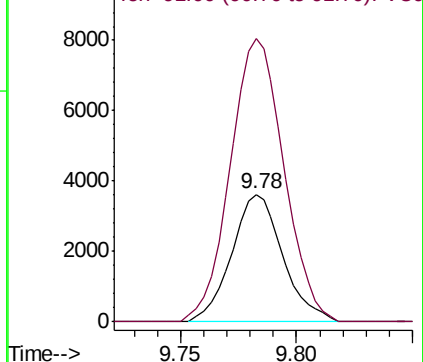


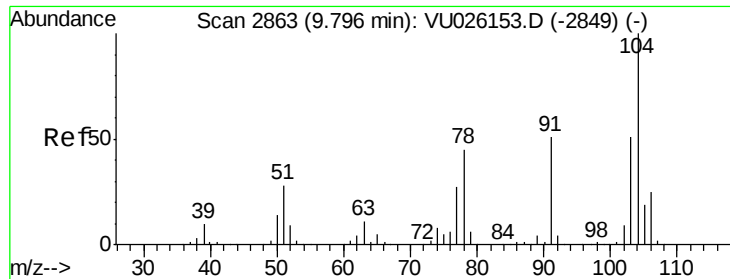
#54
o-xylene
Concen: 1.712 ug/L
RT: 9.78 min Scan# 2859
Delta R.T. -0.00 min
Lab File: VU026160.D
Acq: 15 Aug 2018 20:47

Tgt Ion:106 Resp: 5538
Ion Ratio Lower Upper
106 100
91 222.2 148.0 274.8



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





#55

Styrene

Concen: 1.586 ug/L

RT: 9.80 min Scan# 2863

Delta R.T. -0.00 min

Lab File: VU026160.D

Acq: 15 Aug 2018 20:47

Instrument :

MSVOA_U

ClientSampleId :

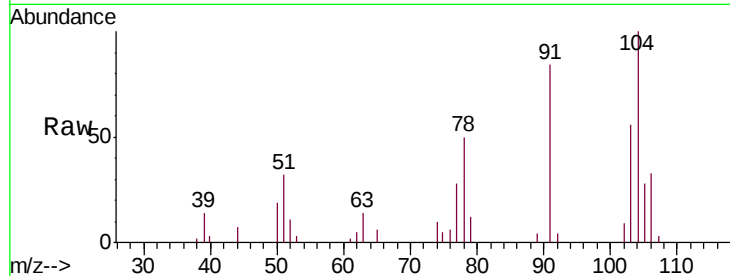
MDL05

Tgt Ion:104 Resp: 8542

Ion Ratio Lower Upper

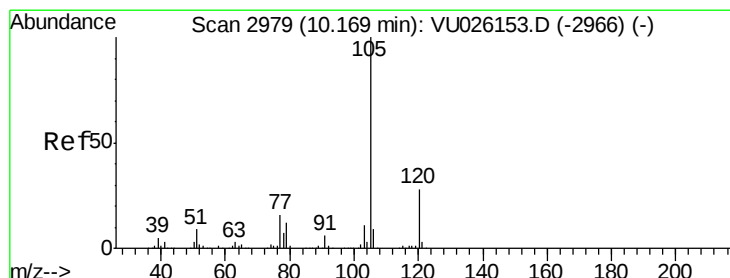
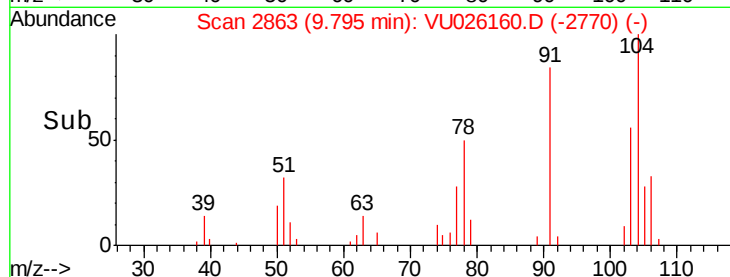
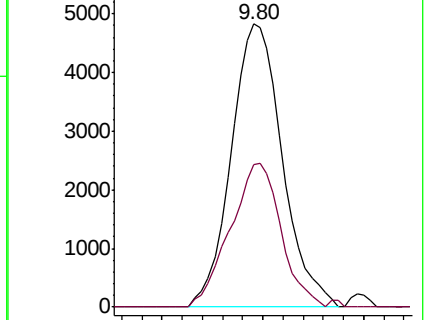
104 100

78 50.4 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: 1.602 ug/L

RT: 10.17 min Scan# 2979

Delta R.T. -0.00 min

Lab File: VU026160.D

Acq: 15 Aug 2018 20:47

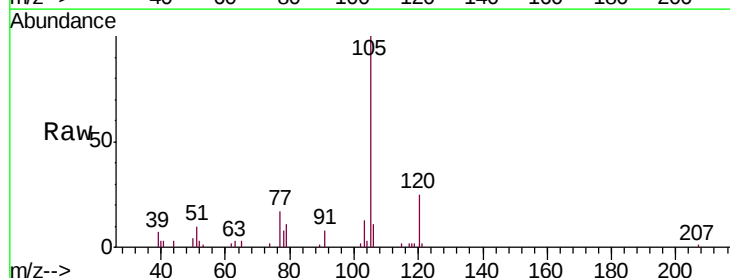
Tgt Ion:105 Resp: 13310

Ion Ratio Lower Upper

105 100

120 25.4 21.5 32.3

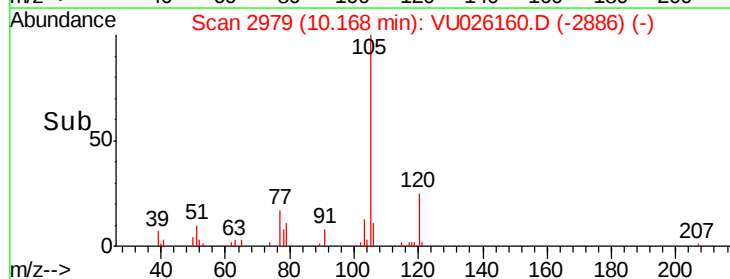
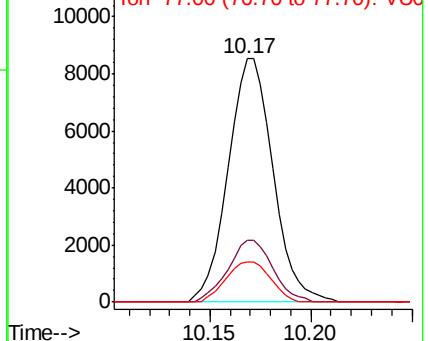
77 16.4 12.3 18.5

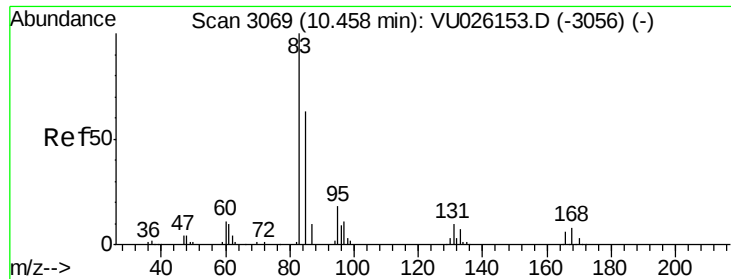


Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): VU0

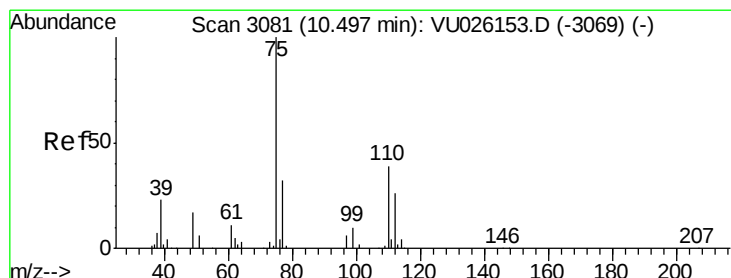
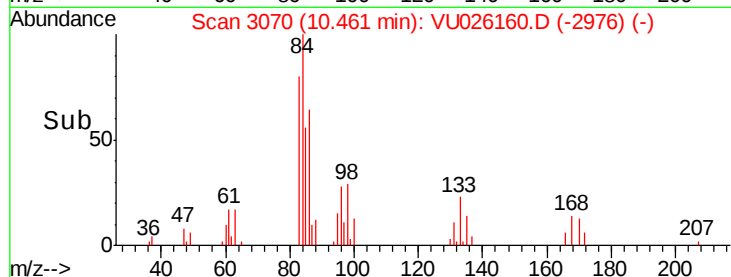
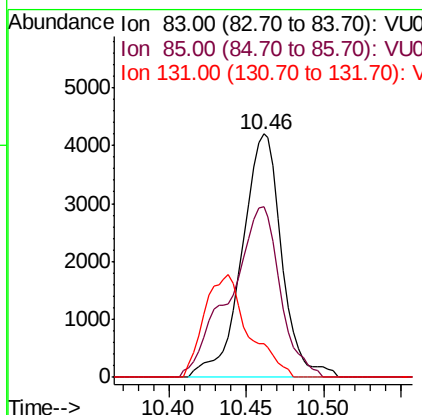
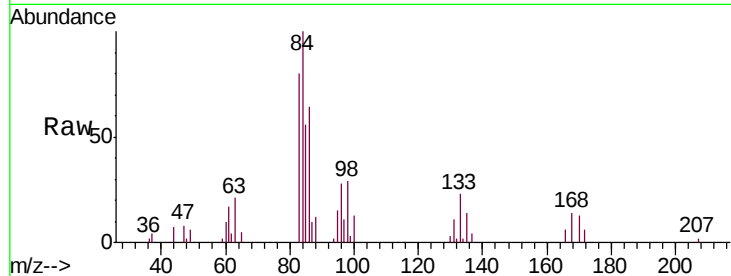




#58
 1,1,2,2-Tetrachloroethane
 Concen: 2.335 ug/L
 RT: 10.46 min Scan# 3070
 Delta R.T. 0.00 min
 Lab File: VU026160.D
 Acq: 15 Aug 2018 20:47

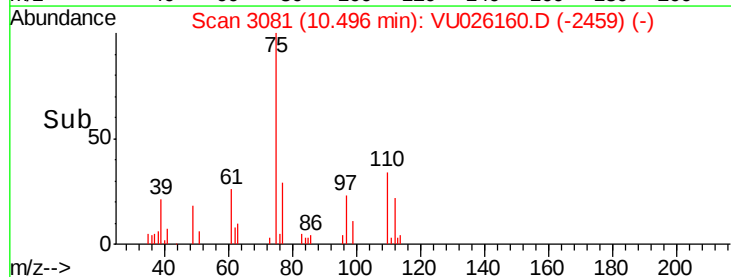
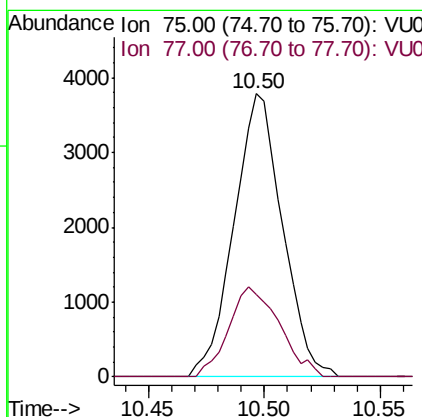
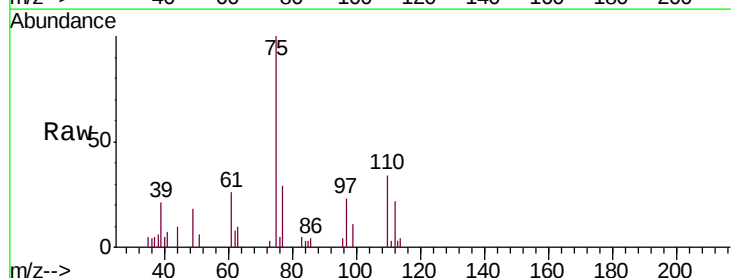
Instrument :
 MSVOA_U
 ClientSampled :
 MDL05

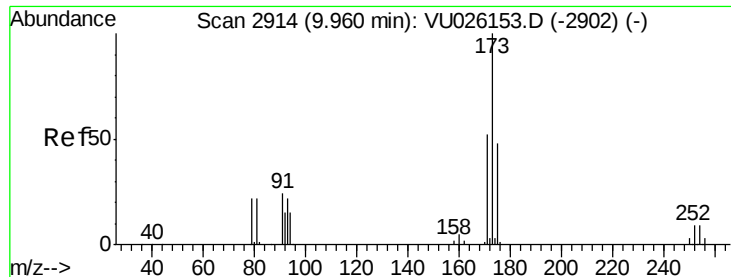
Tgt Ion: 83 Resp: 7510
 Ion Ratio Lower Upper
 83 100
 85 70.1 45.0 83.6
 131 13.8 8.4 12.6#



#59
 1,2,3-Trichloropropane
 Concen: 2.197 ug/L
 RT: 10.50 min Scan# 3081
 Delta R.T. -0.00 min
 Lab File: VU026160.D
 Acq: 15 Aug 2018 20:47

Tgt Ion: 75 Resp: 5497
 Ion Ratio Lower Upper
 75 100
 77 33.2 26.1 39.1





#61

Bromoform

Concen: 2.315 ug/L

RT: 9.96 min Scan# 2915

Delta R.T. 0.00 min

Lab File: VU026160.D

Acq: 15 Aug 2018 20:47

Instrument :

MSVOA_U

ClientSampleId :

MDL05

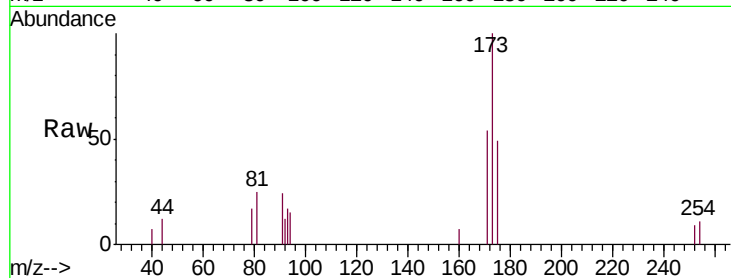
Tgt Ion:173 Resp: 3495

Ion Ratio Lower Upper

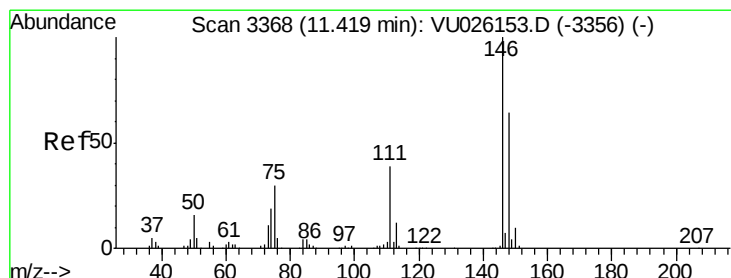
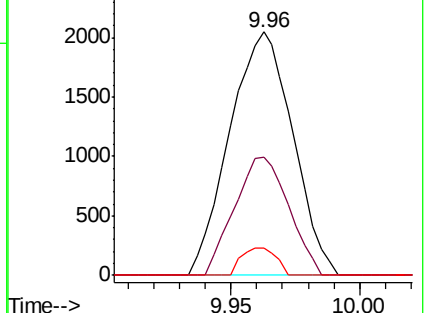
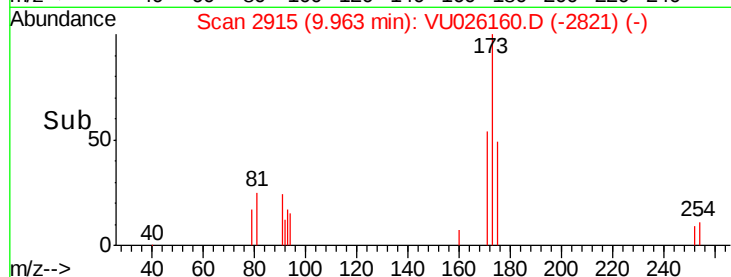
173 100

175 41.8 38.8 58.2

254 6.2 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: 1.987 ug/L

RT: 11.42 min Scan# 3369

Delta R.T. 0.00 min

Lab File: VU026160.D

Acq: 15 Aug 2018 20:47

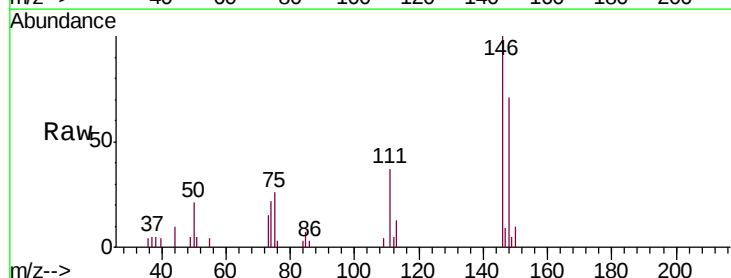
Tgt Ion:146 Resp: 6876

Ion Ratio Lower Upper

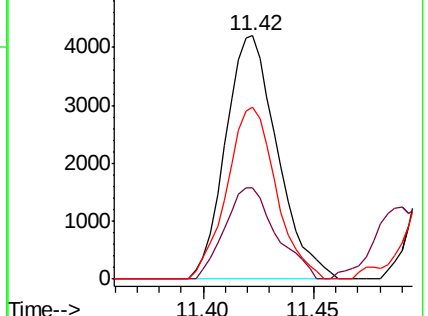
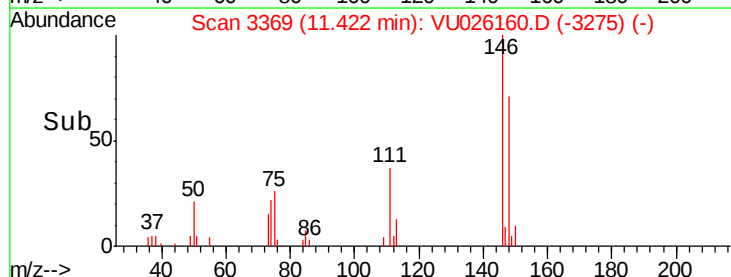
146 100

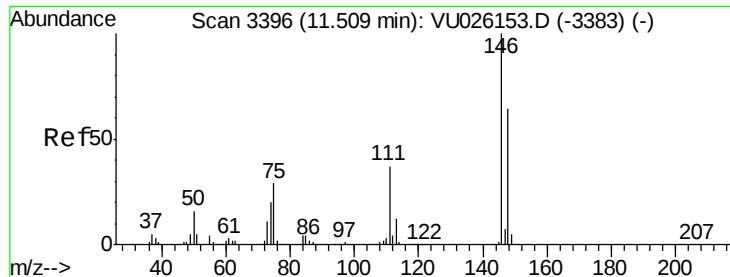
111 37.3 26.7 49.7

148 70.7 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

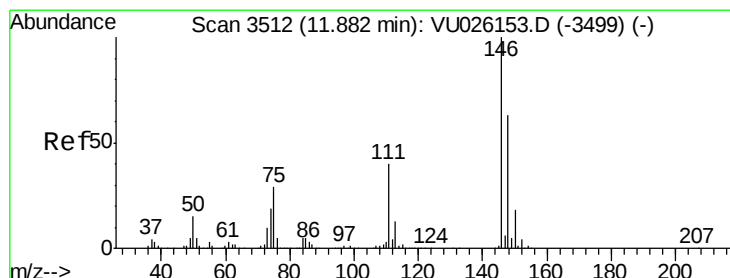
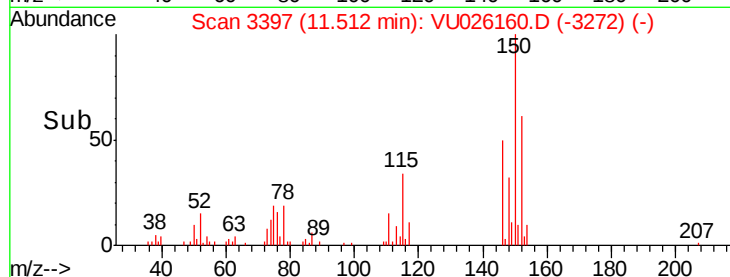
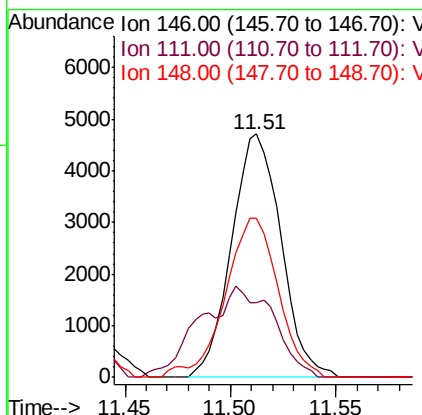
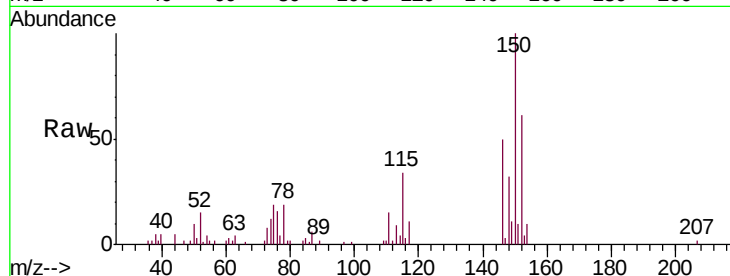




#63
 1,4-Dichlorobenzene
 Concen: 2.157 ug/L
 RT: 11.51 min Scan# 3397
 Delta R.T. 0.00 min
 Lab File: VU026160.D
 Acq: 15 Aug 2018 20:47

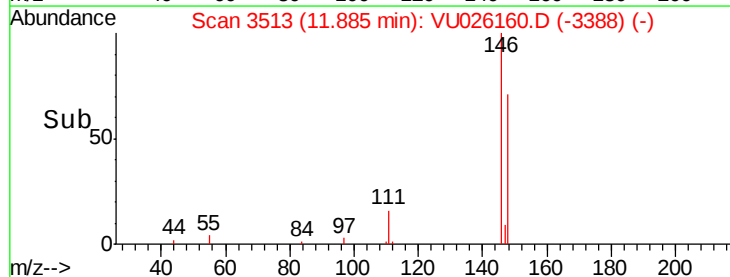
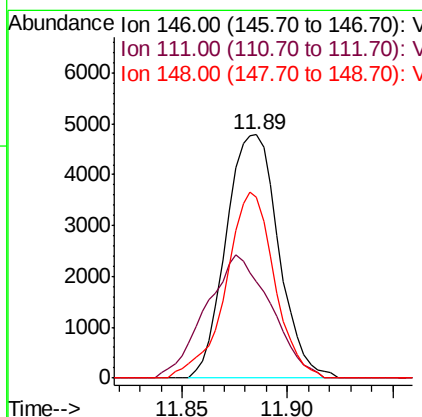
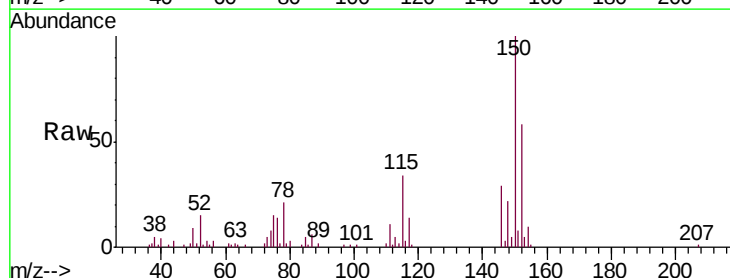
Instrument :
 MSVOA_U
 ClientSampleId :
 MDL05

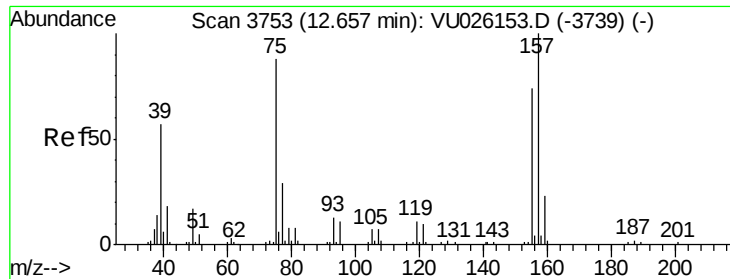
Tgt Ion:146 Resp: 7699
 Ion Ratio Lower Upper
 146 100
 111 30.9 27.5 51.1
 148 65.3 44.8 83.2



#65
 1,2-Dichlorobenzene
 Concen: 2.235 ug/L
 RT: 11.89 min Scan# 3513
 Delta R.T. 0.00 min
 Lab File: VU026160.D
 Acq: 15 Aug 2018 20:47

Tgt Ion:146 Resp: 8267
 Ion Ratio Lower Upper
 146 100
 111 39.4 32.7 49.1
 148 74.1 51.4 77.2

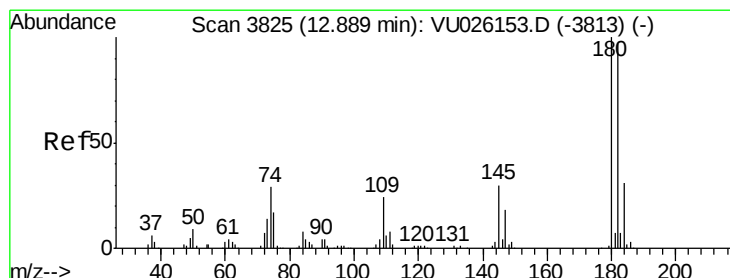
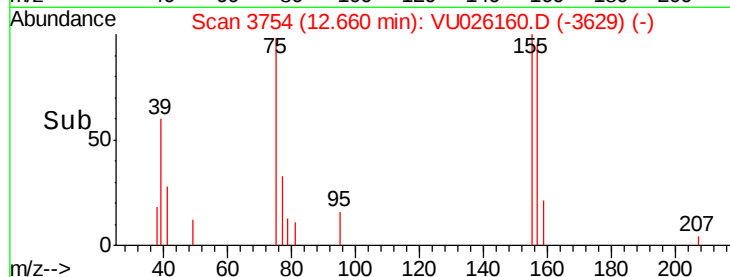
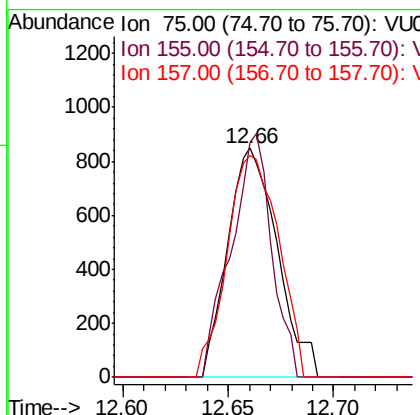
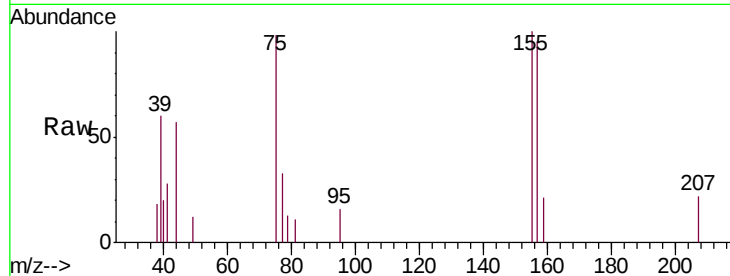




#66
 1,2-Dibromo-3-chloropropane
 Concen: 2.362 ug/L
 RT: 12.66 min Scan# 3754
 Delta R.T. 0.00 min
 Lab File: VU026160.D
 Acq: 15 Aug 2018 20:47

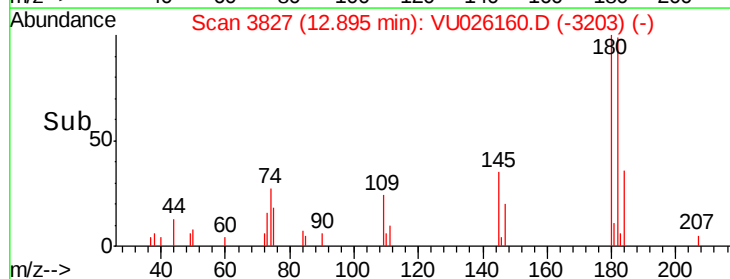
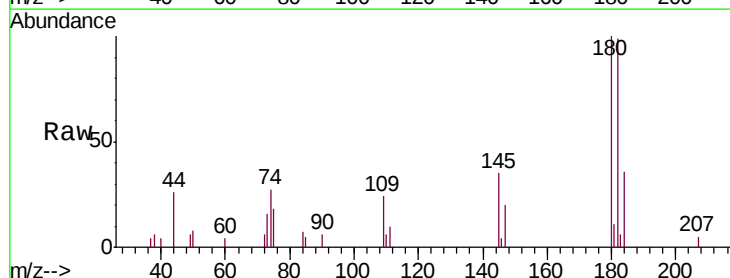
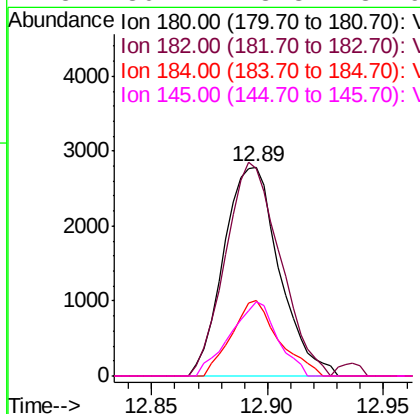
Instrument :
 MSVOA_U
 ClientSampleId :
 MDL05

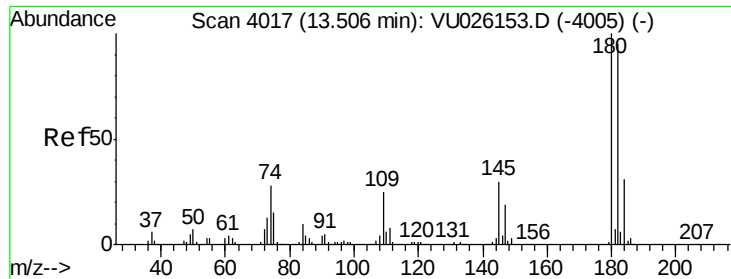
Tgt Ion: 75 Resp: 1385
 Ion Ratio Lower Upper
 75 100
 155 102.5 68.2 102.2#
 157 97.1 90.5 135.7



#67
 1,3,5-Trichlorobenzene
 Concen: 1.815 ug/L
 RT: 12.89 min Scan# 3827
 Delta R.T. 0.01 min
 Lab File: VU026160.D
 Acq: 15 Aug 2018 20:47

Tgt Ion: 180 Resp: 4639
 Ion Ratio Lower Upper
 180 100
 182 100.3 75.6 113.4
 184 30.7 24.3 36.5
 145 30.1 23.3 34.9





#68
 1,2,4-trichlorobenzene
 Concen: 1.292 ug/L
 RT: 13.51 min Scan# 4019
 Delta R.T. 0.01 min
 Lab File: VU026160.D
 Acq: 15 Aug 2018 20:47

Instrument :
 MSVOA_U
 ClientSampleId :
 MDL05

Tgt Ion:180 Resp: 2501
 Ion Ratio Lower Upper
 180 100
 182 105.6 76.8 115.2
 145 0.0 23.8 35.6#

