

Data File : VU026159.D
Acq On : 15 Aug 2018 20:23
Operator : MD/SY
Sample : MDL04
Misc : 5.00g/5mL/100uL/5.00mL/MSVOA_U/MEOH
ALS Vial : 31 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
MDL04

Quant Time: Aug 16 04:41:46 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	286966	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	269578	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.49	152	114119	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	70311	41.73	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	83.46%
7) Chloroethane-d5	1.68	69	60643	43.78	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	87.56%
11) 1,1-Dichloroethene-d2	2.27	63	111164	33.60	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	67.20%
21) 2-Butanone-d5	4.18	46	131854	101.98	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	101.98%
24) Chloroform-d	4.65	84	170393	45.15	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	90.30%
26) 1,2-Dichloroethane-d4	5.31	65	116190	47.04	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.08%
32) Benzene-d6	5.35	84	329947	47.47	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.94%
36) 1,2-Dichloropropane-d6	6.33	67	108799	47.61	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	95.22%
41) Toluene-d8	7.57	98	298495	44.87	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	89.74%
43) trans-1,3-Dichloropropene-	7.85	79	49255	45.53	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	91.06%
47) 2-Hexanone-d5	8.31	63	94604	101.06	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	101.06%
57) 1,1,2,2-Tetrachloroethane-	10.44	84	151221	47.02	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	94.04%
64) 1,2-Dichlorobenzene-d4	11.86	152	116169	48.92	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	97.84%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.20	85	4620	2.033 ug/L	92
3) Chloromethane	1.33	50	4795	2.318 ug/L	83
5) Vinyl chloride	1.40	62	4452	2.155 ug/L #	58
6) Bromomethane	1.62	94	2419	2.272 ug/L	94
8) Chloroethane	1.70	64	3021	2.442 ug/L	96
9) Trichlorofluoromethane	1.89	101	6101	2.000 ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.28	101	3761	2.276 ug/L #	87
12) 1,1-Dichloroethene	2.28	96	4093	2.699 ug/L #	1
13) Acetone	2.32	43	5113	4.321 ug/L	98
14) Carbon disulfide	2.48	76	10869	2.067 ug/L	100
15) Methyl Acetate	2.62	43	5334	2.599 ug/L	91
16) Methylene chloride	2.70	84	4536	2.233 ug/L	91
17) trans-1,2-Dichloroethene	2.99	96	3874	2.153 ug/L	97
18) Methyl tert-butyl Ether	3.00	73	11853	2.076 ug/L #	68
19) 1,1-Dichloroethane	3.45	63	7400	2.137 ug/L	94
20) cis-1,2-Dichloroethene	4.23	96	4300	2.132 ug/L	90
22) 2-Butanone	4.27	43	6593	4.472 ug/L	90

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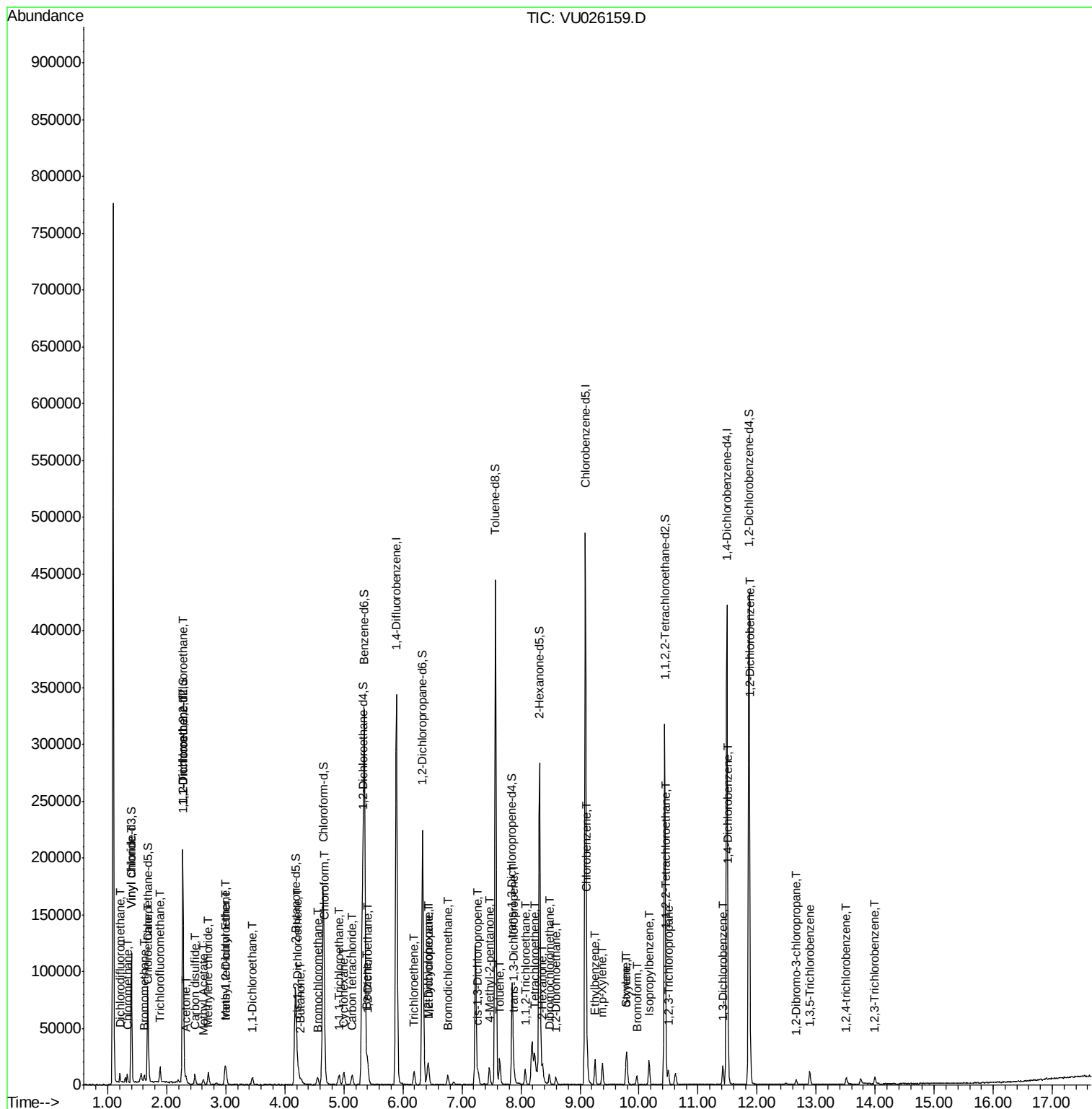
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.54	128	2266	2.078	ug/L	96
25) Chloroform	4.68	83	9647	2.653	ug/L	92
27) 1,2-Dichloroethane	5.41	62	6708	2.282	ug/L	98
29) Cyclohexane	5.00	56	5055	1.877	ug/L	99
30) 1,1,1-Trichloroethane	4.92	97	6893	2.140	ug/L	99
31) Carbon tetrachloride	5.14	117	6405	2.195	ug/L #	52
33) Benzene	5.39	78	16565	2.269	ug/L	100
34) Trichloroethene	6.19	95	3997	2.102	ug/L	86
35) Methylcyclohexane	6.42	83	4958	1.737	ug/L	90
37) 1,2-Dichloropropane	6.44	63	4561	2.237	ug/L	98
38) Bromodichloromethane	6.76	83	5903	2.187	ug/L	97
39) cis-1,3-Dichloropropene	7.27	75	5876	1.942	ug/L	90
40) 4-Methyl-2-pentanone	7.46	43	10790	4.267	ug/L	94
42) Toluene	7.64	91	16369	2.112	ug/L	99
44) trans-1,3-Dichloropropene	7.88	75	5774	1.980	ug/L	97
45) 1,1,2-Trichloroethane	8.07	97	4258	2.203	ug/L	92
46) Tetrachloroethene	8.23	164	3290	2.006	ug/L	90
48) 2-Hexanone	8.37	43	9663	4.877	ug/L #	94
49) Dibromochloromethane	8.48	129	4991	2.144	ug/L	89
50) 1,2-Dibromoethane	8.59	107	4567	2.275	ug/L #	100
51) Chlorobenzene	9.12	112	10826	2.043	ug/L	98
52) Ethylbenzene	9.25	91	16153	1.913	ug/L	97
53) m,p-Xylene	9.38	106	5633	1.731	ug/L	98
54) o-xylene	9.78	106	5734	1.766	ug/L	92
55) Styrene	9.80	104	8872	1.641	ug/L	99
56) Isopropylbenzene	10.17	105	13373	1.604	ug/L	98
58) 1,1,2,2-Tetrachloroethane	10.46	83	7611	2.358	ug/L #	90
59) 1,2,3-Trichloropropane	10.50	75	5013	1.996	ug/L	96
61) Bromoform	9.96	173	3359	2.251	ug/L #	92
62) 1,3-Dichlorobenzene	11.42	146	7000	2.047	ug/L	95
63) 1,4-Dichlorobenzene	11.51	146	7345	2.083	ug/L	93
65) 1,2-Dichlorobenzene	11.88	146	8767	2.399	ug/L	93
66) 1,2-Dibromo-3-chloropropan	12.66	75	1600	2.761	ug/L #	78
67) 1,3,5-Trichlorobenzene	12.89	180	4560	1.806	ug/L #	97
68) 1,2,4-trichlorobenzene	13.51	180	2345	1.226	ug/L	93
70) 1,2,3-Trichlorobenzene	13.99	180	2960	1.443	ug/L	95

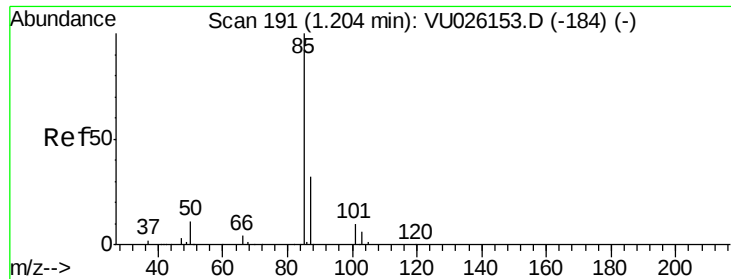
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 2.033 ug/L

RT: 1.20 min Scan# 191

Delta R.T. -0.00 min

Lab File: VU026159.D

Acq: 15 Aug 2018 20:23

Instrument :

MSVOA_U

ClientSampled :

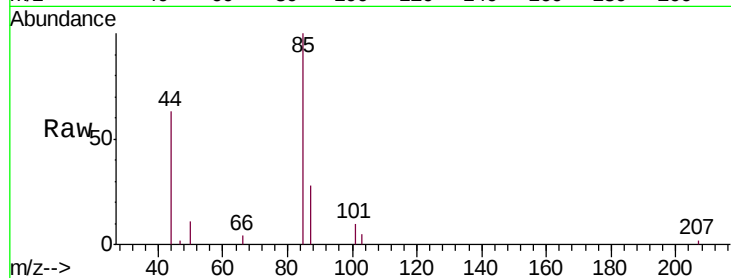
MDL04

Tgt Ion: 85 Resp: 4620

Ion Ratio Lower Upper

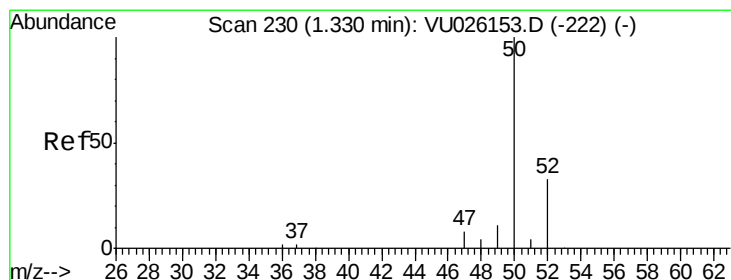
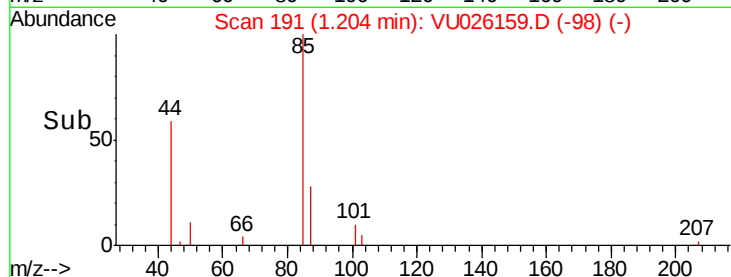
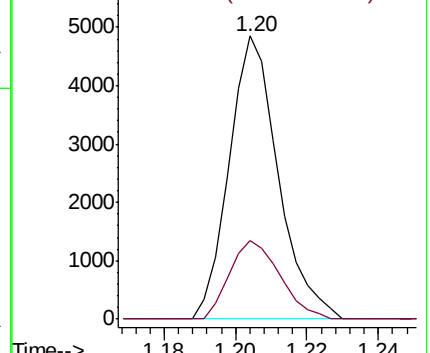
85 100

87 28.4 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: 2.318 ug/L

RT: 1.33 min Scan# 230

Delta R.T. -0.00 min

Lab File: VU026159.D

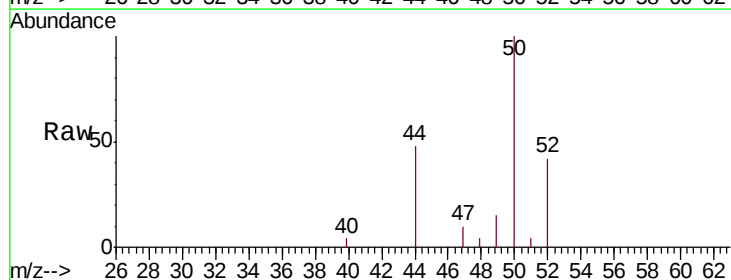
Acq: 15 Aug 2018 20:23

Tgt Ion: 50 Resp: 4795

Ion Ratio Lower Upper

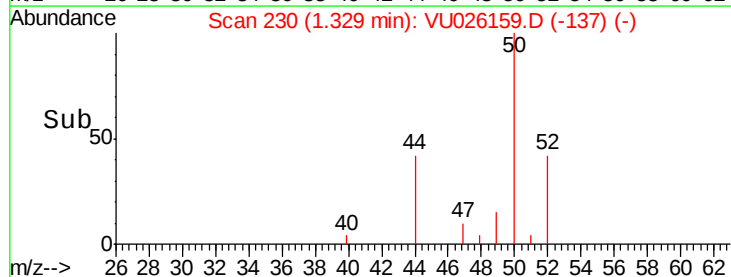
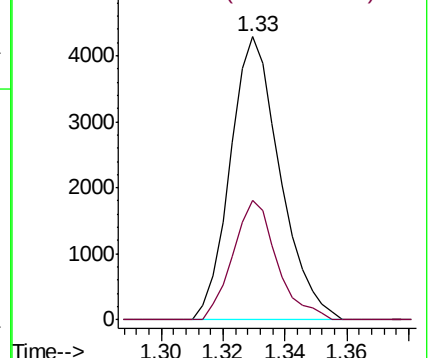
50 100

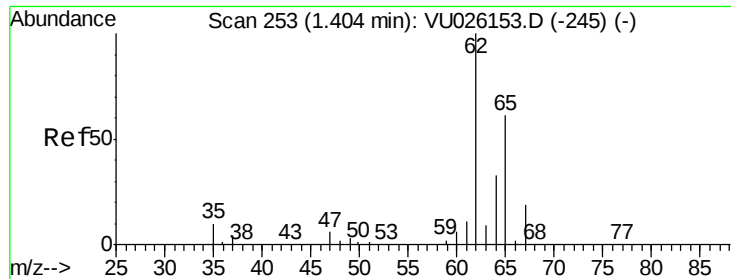
52 42.3 23.0 42.8



Abundance Ion 50.00 (49.70 to 50.70): VU0

Ion 52.00 (51.70 to 52.70): VU0





#5

Vinyl chloride

Concen: 2.155 ug/L

RT: 1.40 min Scan# 253

Delta R.T. -0.00 min

Lab File: VU026159.D

Acq: 15 Aug 2018 20:23

Instrument :

MSVOA_U

ClientSampleId :

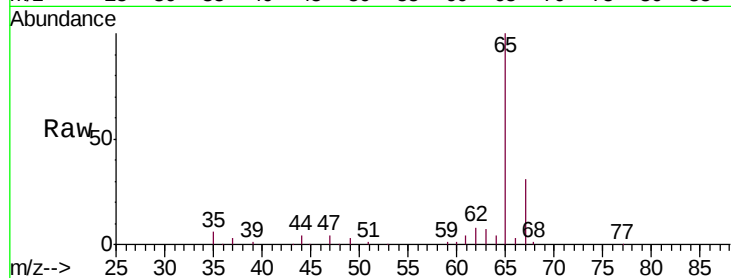
MDL04

Tgt Ion: 62 Resp: 4452

Ion Ratio Lower Upper

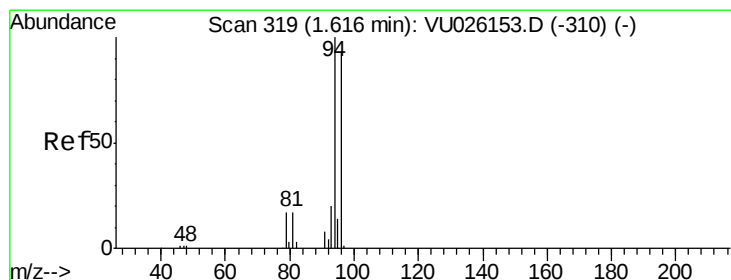
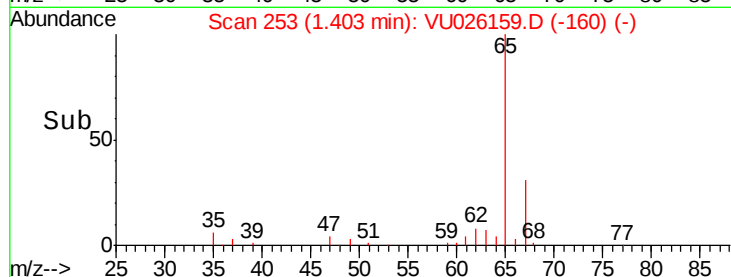
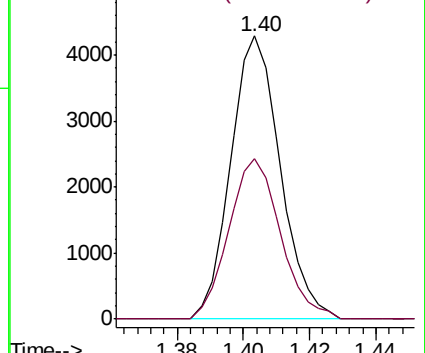
62 100

64 56.6 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: 2.272 ug/L

RT: 1.62 min Scan# 320

Delta R.T. 0.00 min

Lab File: VU026159.D

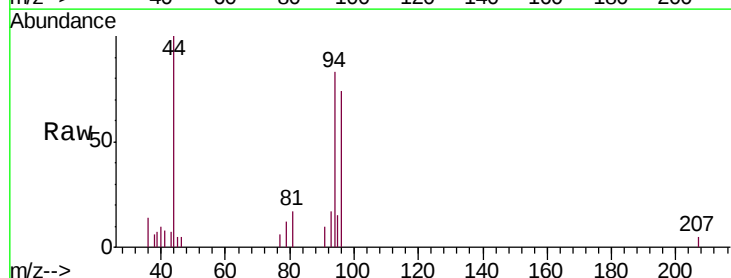
Acq: 15 Aug 2018 20:23

Tgt Ion: 94 Resp: 2419

Ion Ratio Lower Upper

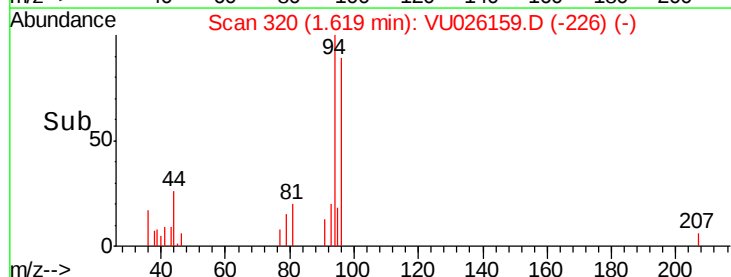
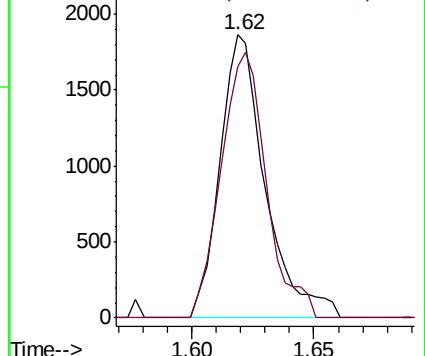
94 100

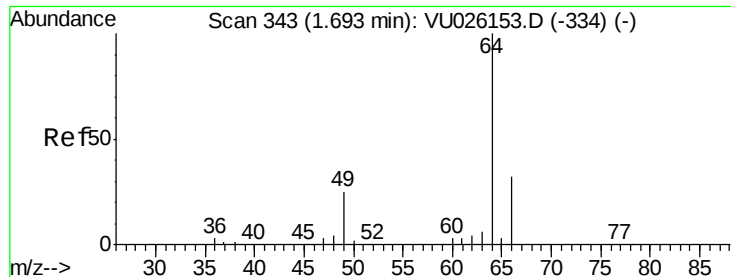
96 88.8 65.9 122.5



Abundance Ion 94.00 (93.70 to 94.70): VU0

Ion 96.00 (95.70 to 96.70): VU0





#8

Chloroethane

Concen: 2.442 ug/L

RT: 1.70 min Scan# 344

Delta R.T. 0.00 min

Lab File: VU026159.D

Acq: 15 Aug 2018 20:23

Instrument :

MSVOA_U

ClientSampleId :

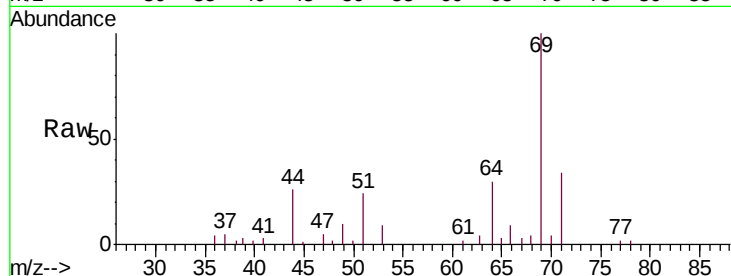
MDL04

Tgt Ion: 64 Resp: 3021

Ion Ratio Lower Upper

64 100

66 29.3 22.2 41.2



Abundance Ion 64.00 (63.70 to 64.70): VU026159.D (-219) (-)

Ion 66.00 (65.70 to 66.70): VU026159.D (-219) (-)

1.70

2500

2000

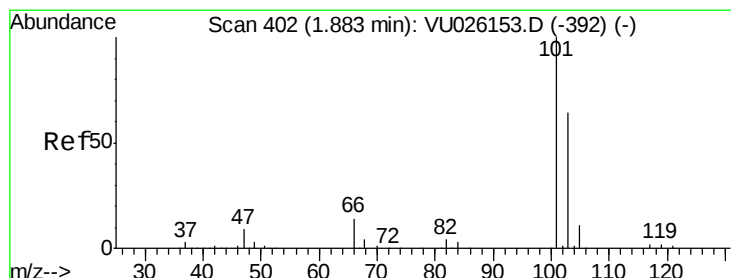
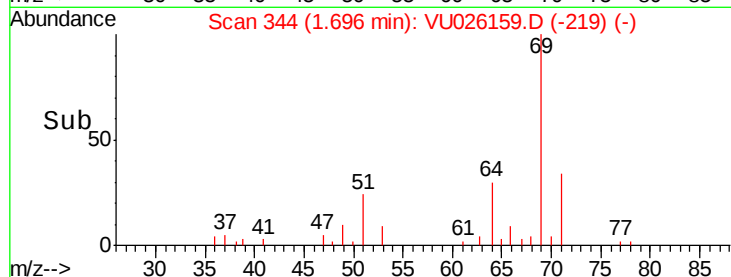
1500

1000

500

0

Time--> 1.65 1.70 1.75



#9

Trichlorofluoromethane

Concen: 2.000 ug/L

RT: 1.89 min Scan# 403

Delta R.T. 0.00 min

Lab File: VU026159.D

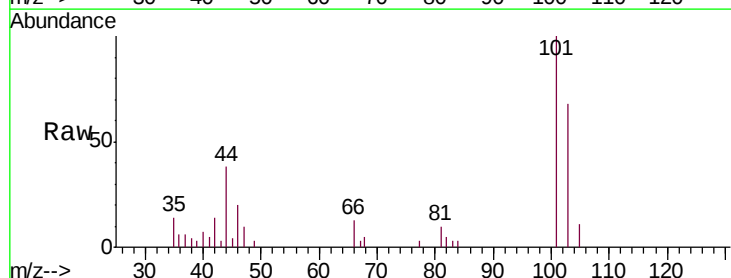
Acq: 15 Aug 2018 20:23

Tgt Ion: 101 Resp: 6101

Ion Ratio Lower Upper

101 100

103 65.4 51.4 77.2



Abundance Ion 101.00 (100.70 to 101.70): VU026159.D (-278) (-)

Ion 103.00 (102.70 to 103.70): VU026159.D (-278) (-)

1.89

5000

4000

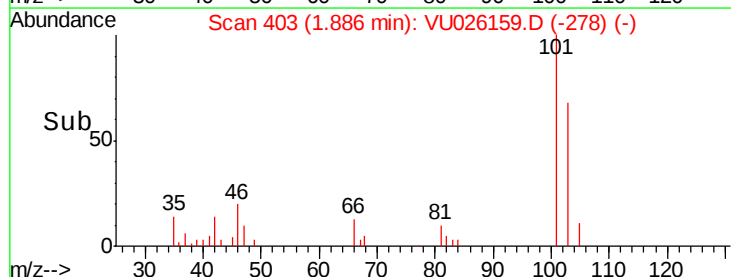
3000

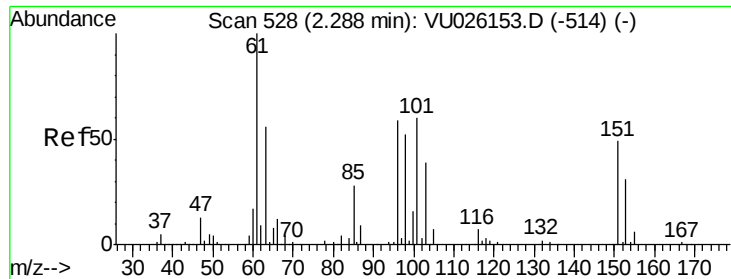
2000

1000

0

Time--> 1.85 1.90





#10

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

Concen: 2.276 ug/L

RT: 2.28 min Scan# 527

Delta R.T. -0.00 min

Lab File: VU026159.D

Acq: 15 Aug 2018 20:23

Instrument :

MSVOA_U

ClientSampled :

MDL04

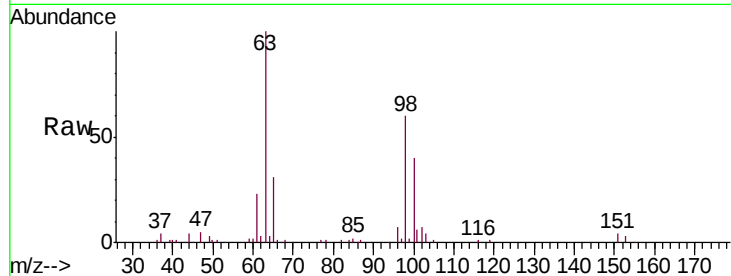
Tgt Ion:101 Resp: 3761

Ion Ratio Lower Upper

101 100

85 34.9 36.6 55.0#

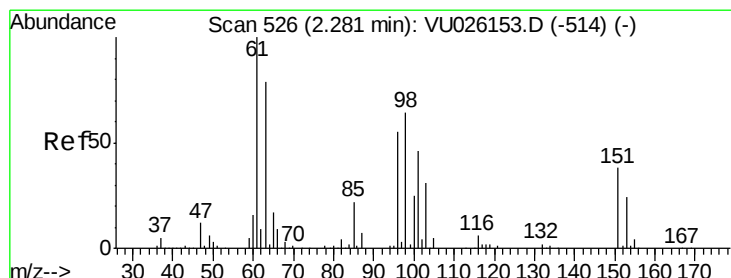
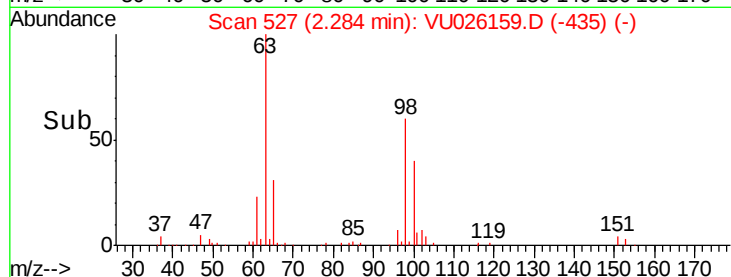
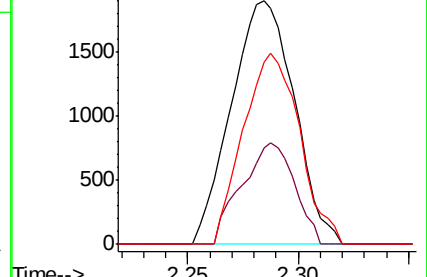
151 70.1 63.8 95.8



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: 2.699 ug/L

RT: 2.28 min Scan# 526

Delta R.T. -0.00 min

Lab File: VU026159.D

Acq: 15 Aug 2018 20:23

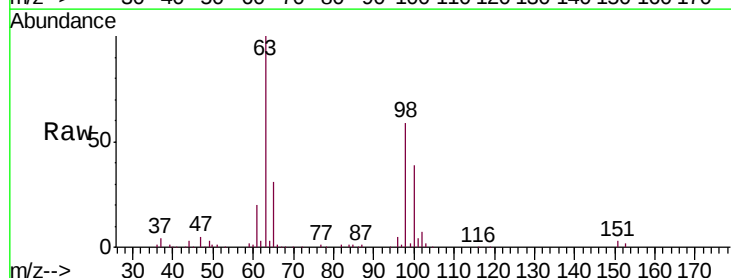
Tgt Ion: 96 Resp: 4093

Ion Ratio Lower Upper

96 100

61 408.7 126.8 235.4#

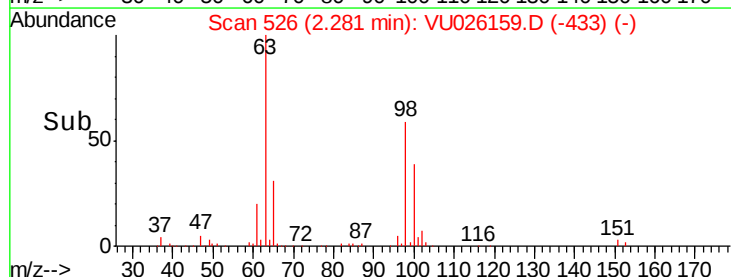
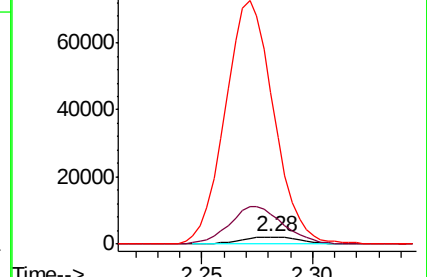
63 2043.2 97.0 180.2#

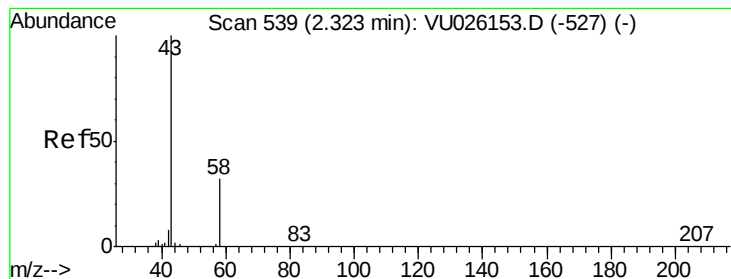


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 4.321 ug/L

RT: 2.32 min Scan# 539

Delta R.T. -0.00 min

Lab File: VU026159.D

Acq: 15 Aug 2018 20:23

Instrument :

MSVOA_U

ClientSampleId :

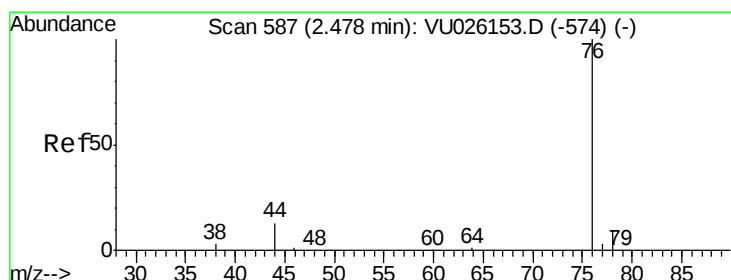
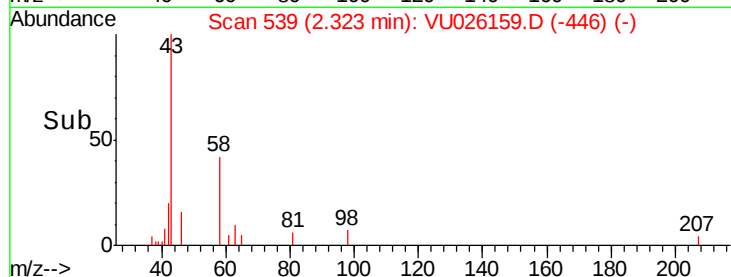
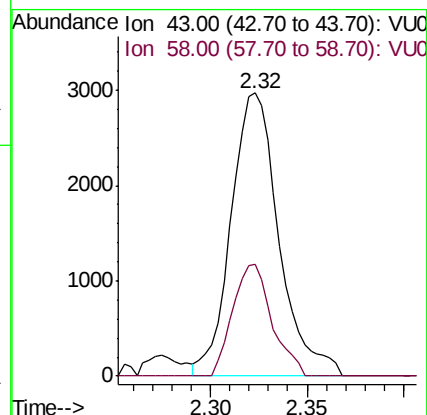
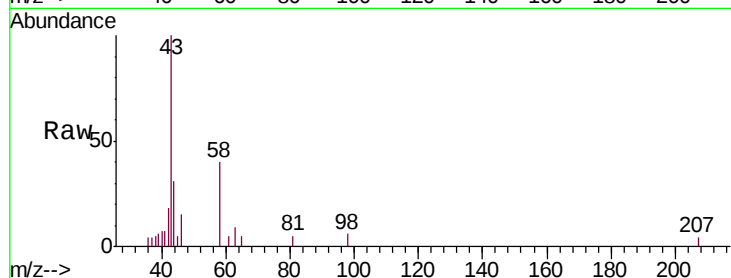
MDL04

Tgt Ion: 43 Resp: 5113

Ion Ratio Lower Upper

43 100

58 32.3 0.0 62.6



#14

Carbon disulfide

Concen: 2.067 ug/L

RT: 2.48 min Scan# 587

Delta R.T. -0.00 min

Lab File: VU026159.D

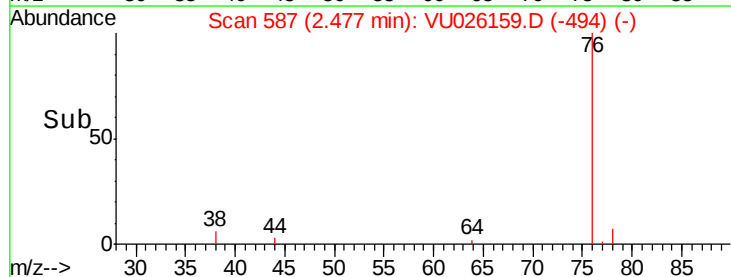
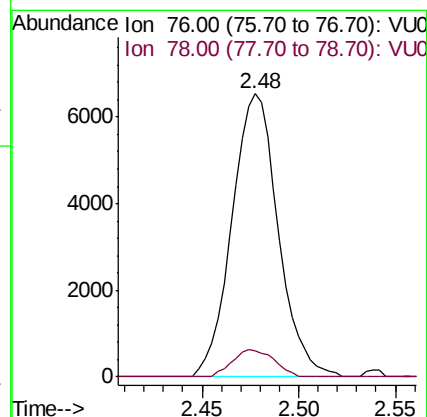
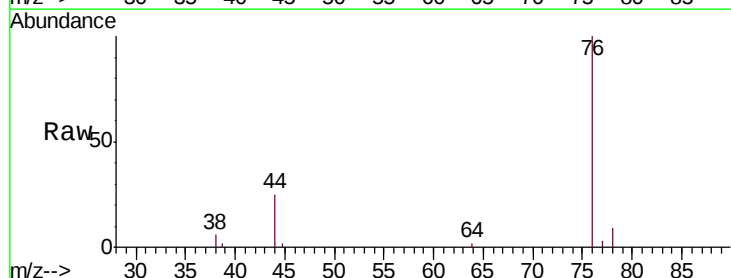
Acq: 15 Aug 2018 20:23

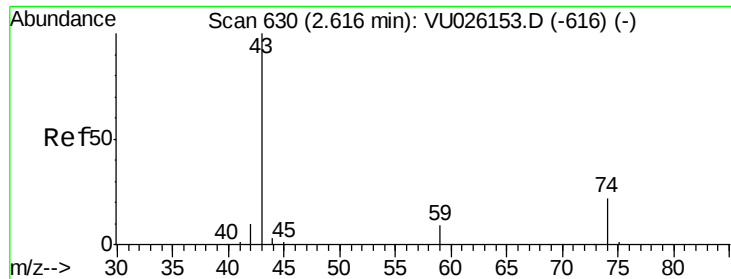
Tgt Ion: 76 Resp: 10869

Ion Ratio Lower Upper

76 100

78 9.1 7.4 11.2

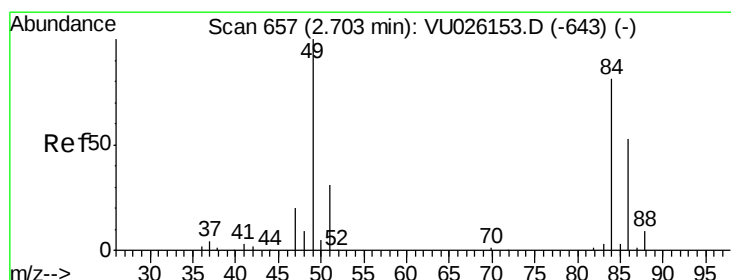
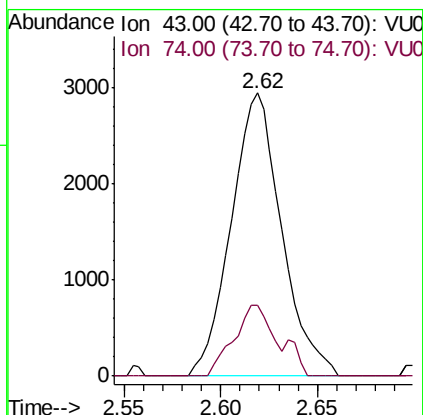
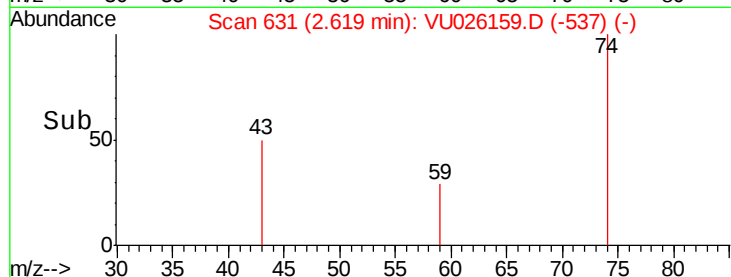
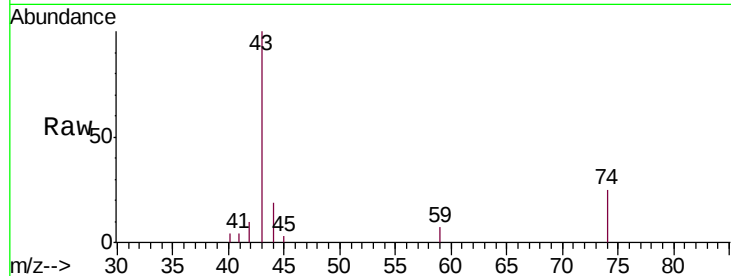




#15
Methyl Acetate
Concen: 2.599 ug/L
RT: 2.62 min Scan# 631
Delta R.T. 0.00 min
Lab File: VU026159.D
Acq: 15 Aug 2018 20:23

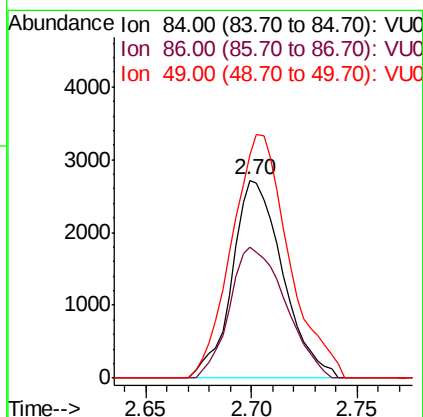
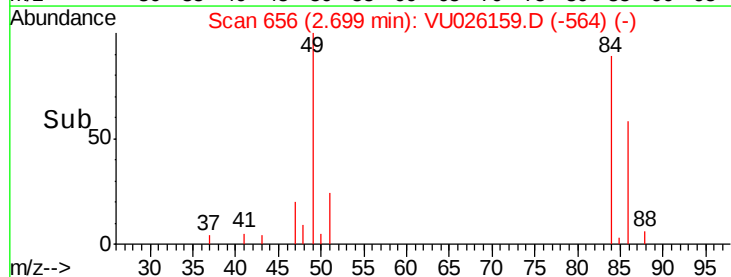
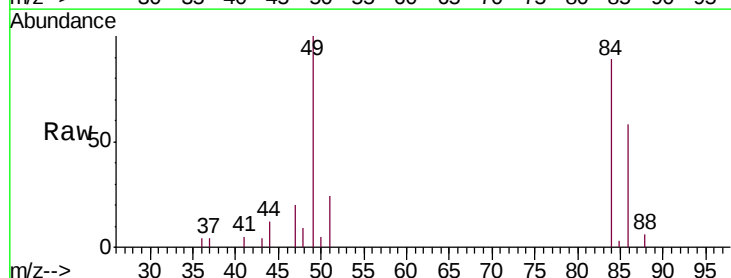
Instrument :
MSVOA_U
ClientSampleId :
MDL04

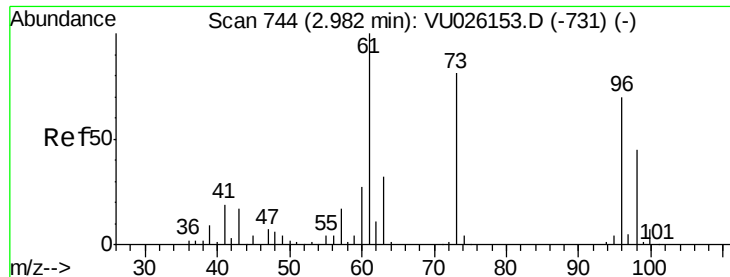
Tgt Ion: 43 Resp: 5334
Ion Ratio Lower Upper
43 100
74 19.0 18.6 28.0



#16
Methylene chloride
Concen: 2.233 ug/L
RT: 2.70 min Scan# 656
Delta R.T. -0.00 min
Lab File: VU026159.D
Acq: 15 Aug 2018 20:23

Tgt Ion: 84 Resp: 4536
Ion Ratio Lower Upper
84 100
86 65.8 44.0 81.6
49 112.6 87.7 162.9





#17

trans-1,2-Dichloroethene

Concen: 2.153 ug/L

RT: 2.99 min Scan# 745

Delta R.T. 0.00 min

Lab File: VU026159.D

Acq: 15 Aug 2018 20:23

Instrument :

MSVOA_U

ClientSampleId :

MDL04

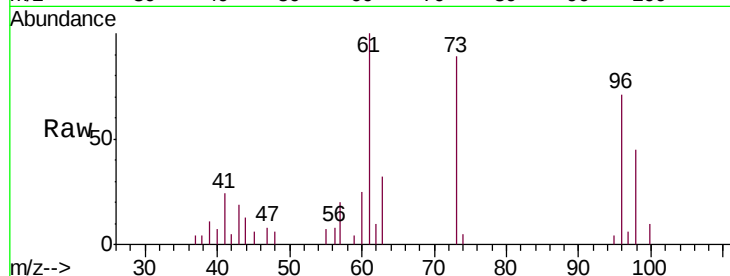
Tgt Ion: 96 Resp: 3874

Ion Ratio Lower Upper

96 100

61 141.7 96.7 179.5

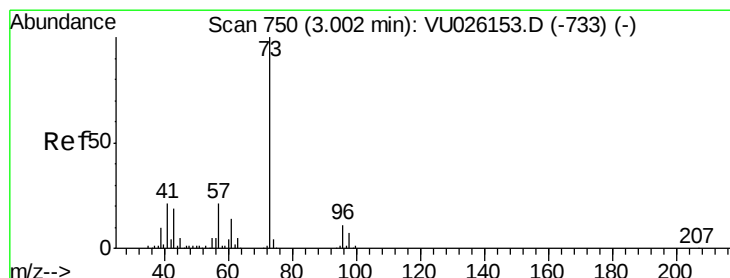
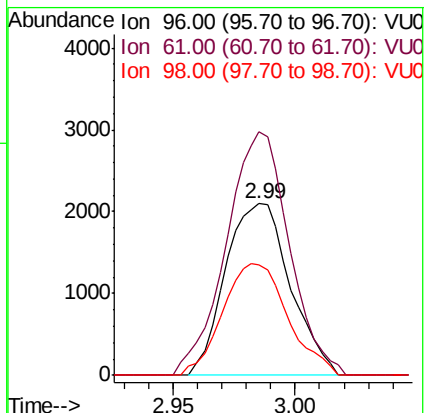
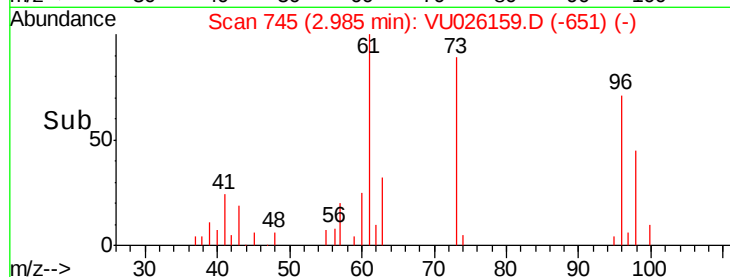
98 64.5 43.6 81.0



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: 2.076 ug/L

RT: 3.00 min Scan# 750

Delta R.T. -0.00 min

Lab File: VU026159.D

Acq: 15 Aug 2018 20:23

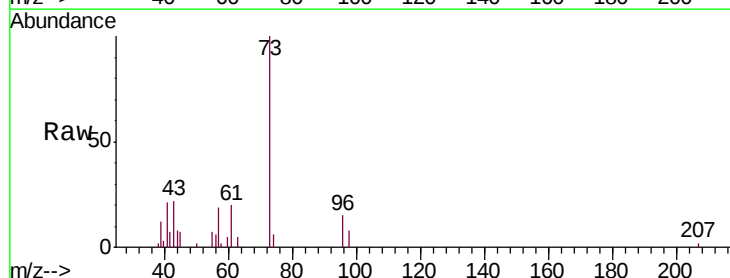
Tgt Ion: 73 Resp: 11853

Ion Ratio Lower Upper

73 100

43 0.0 16.2 24.4#

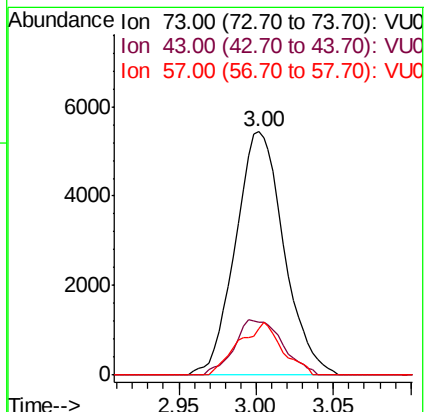
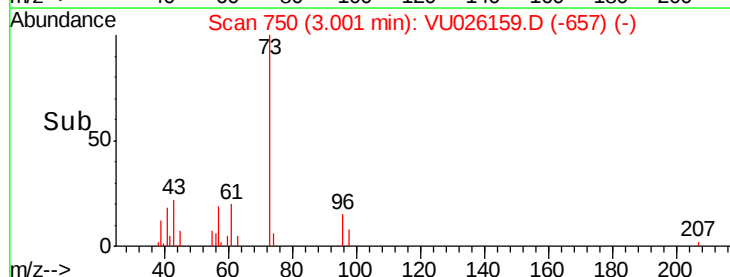
57 12.6 18.2 27.2#

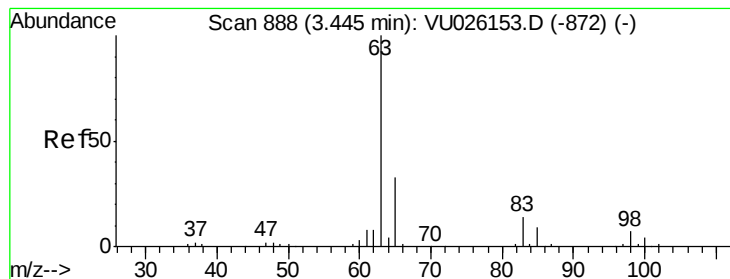


Abundance Ion 73.00 (72.70 to 73.70): VU0

Ion 43.00 (42.70 to 43.70): VU0

Ion 57.00 (56.70 to 57.70): VU0





#19

1,1-Dichloroethane

Concen: 2.137 ug/L

RT: 3.45 min Scan# 889

Delta R.T. 0.00 min

Lab File: VU026159.D

Acq: 15 Aug 2018 20:23

Instrument :

MSVOA_U

ClientSampleId :

MDL04

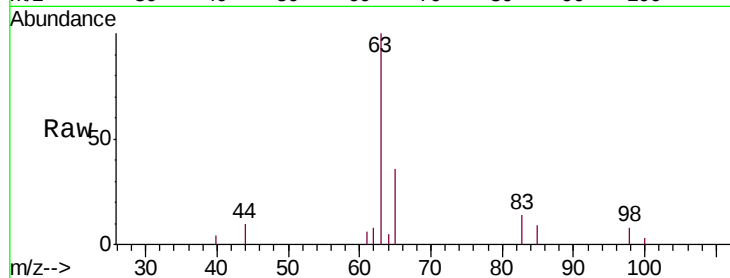
Tgt Ion: 63 Resp: 7400

Ion Ratio Lower Upper

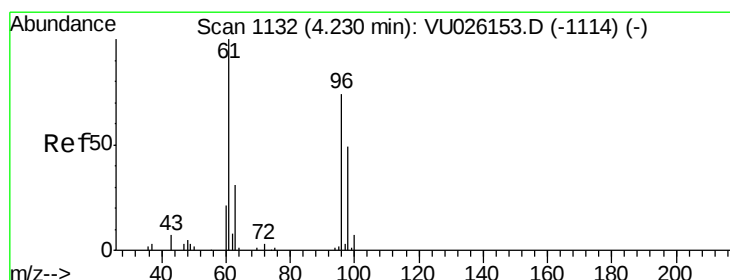
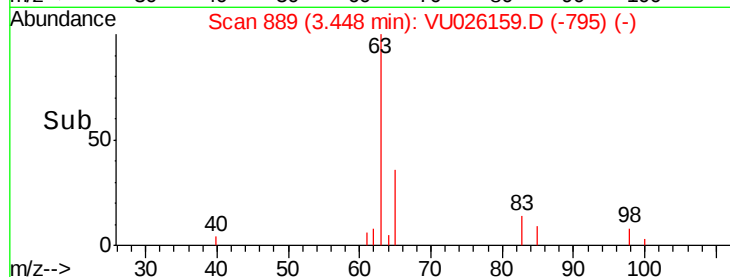
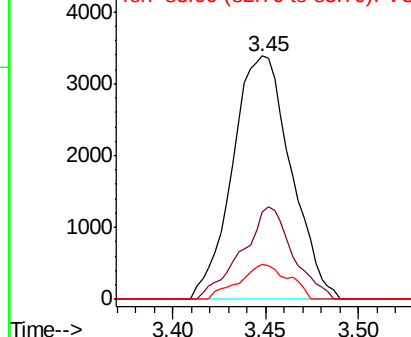
63 100

65 35.7 22.1 41.1

83 14.1 9.4 17.4



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



#20

cis-1,2-Dichloroethene

Concen: 2.132 ug/L

RT: 4.23 min Scan# 1132

Delta R.T. -0.00 min

Lab File: VU026159.D

Acq: 15 Aug 2018 20:23

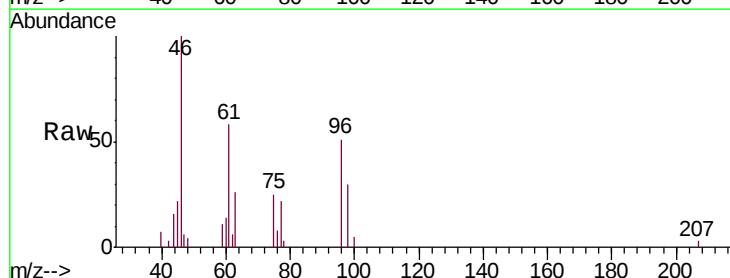
Tgt Ion: 96 Resp: 4300

Ion Ratio Lower Upper

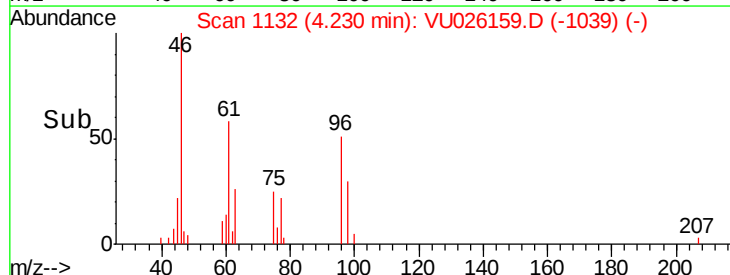
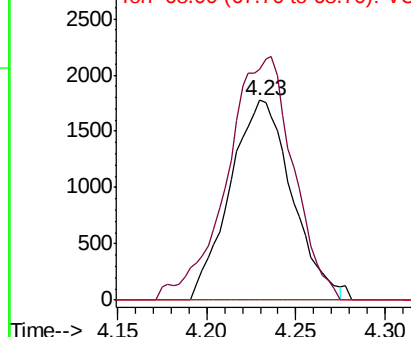
96 100

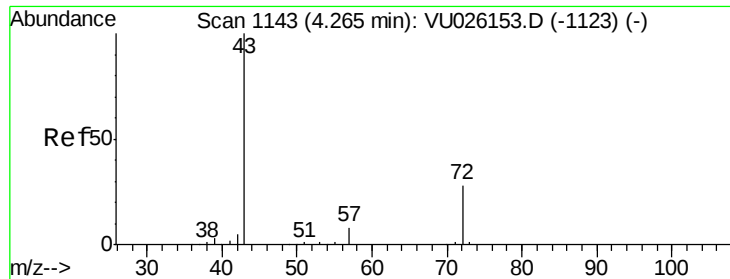
61 115.6 88.6 164.6

68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU0
Ion 61.00 (60.70 to 61.70): VU0
Ion 68.00 (67.70 to 68.70): VU0





#22

2-Butanone

Concen: 4.472 ug/L

RT: 4.27 min Scan# 1145

Delta R.T. 0.01 min

Lab File: VU026159.D

Acq: 15 Aug 2018 20:23

Instrument :

MSVOA_U

ClientSampled :

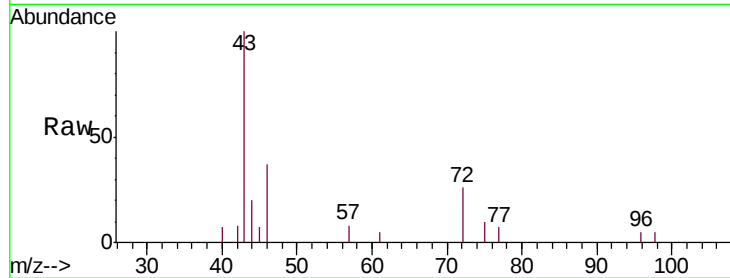
MDL04

Tgt Ion: 43 Resp: 6593

Ion Ratio Lower Upper

43 100

72 21.4 13.4 40.1



Abundance Ion 43.00 (42.70 to 43.70): VU026159.D (-1050) (-)

Ion 72.00 (71.70 to 72.70): VU026159.D (-1050) (-)

4.27

2500

2000

1500

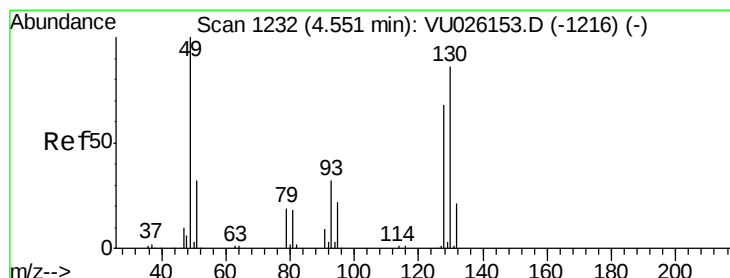
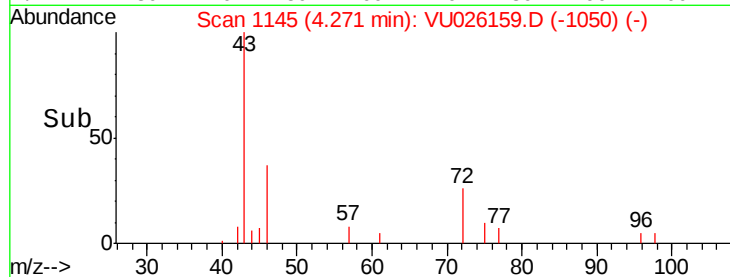
1000

500

0

4.20 4.25 4.30 4.35

Time-->



#23

Bromochloromethane

Concen: 2.078 ug/L

RT: 4.54 min Scan# 1230

Delta R.T. -0.01 min

Lab File: VU026159.D

Acq: 15 Aug 2018 20:23

Tgt Ion: 128 Resp: 2266

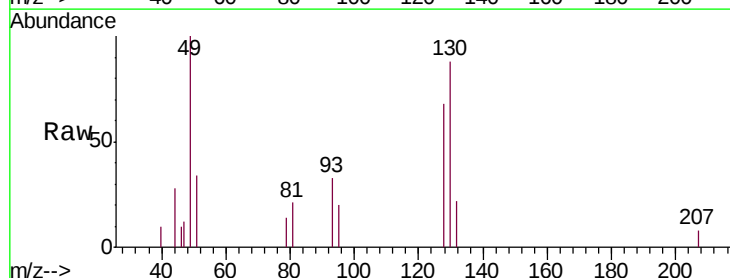
Ion Ratio Lower Upper

128 100

49 147.4 101.3 188.1

130 130.0 86.4 160.4

51 50.0 38.1 57.1



Abundance Ion 128.00 (127.70 to 128.70): VU026159.D (-1139) (-)

Ion 49.00 (48.70 to 49.70): VU026159.D (-1139) (-)

Ion 130.00 (129.70 to 130.70): VU026159.D (-1139) (-)

Ion 51.00 (50.70 to 51.70): VU026159.D (-1139) (-)

4.54

2500

2000

1500

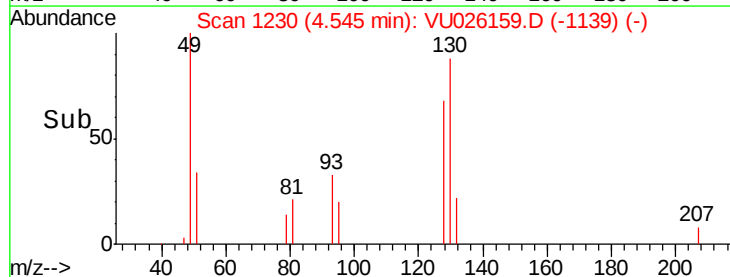
1000

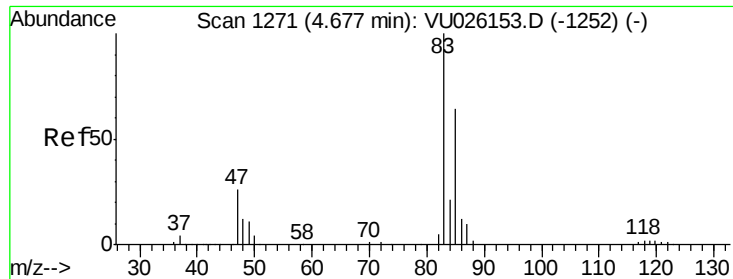
500

0

4.50 4.55 4.60

Time-->

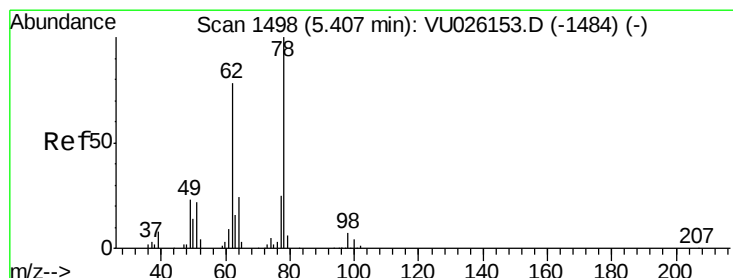
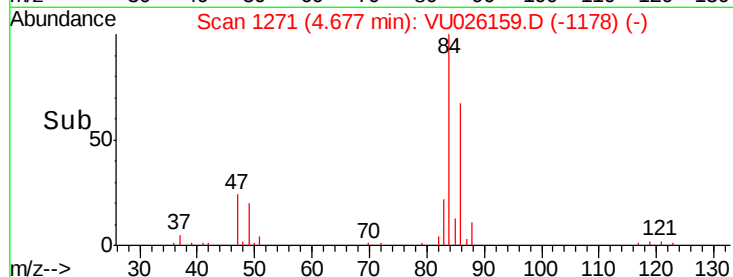
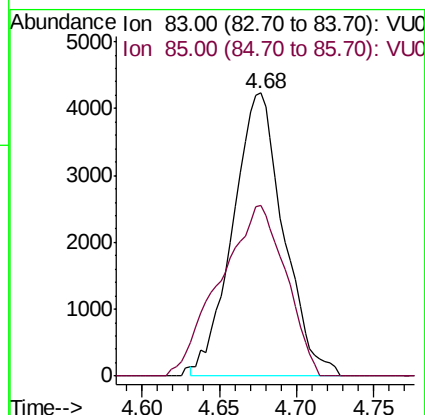
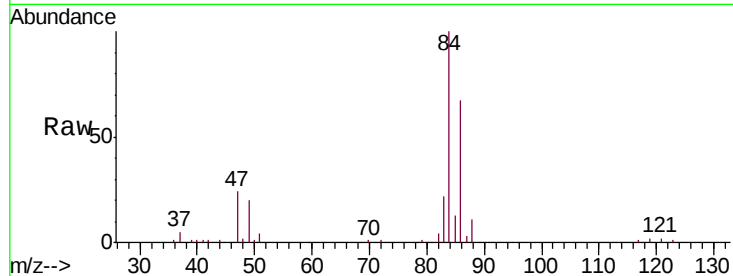




#25
Chloroform
Concen: 2.653 ug/L
RT: 4.68 min Scan# 1271
Delta R.T. -0.00 min
Lab File: VU026159.D
Acq: 15 Aug 2018 20:23

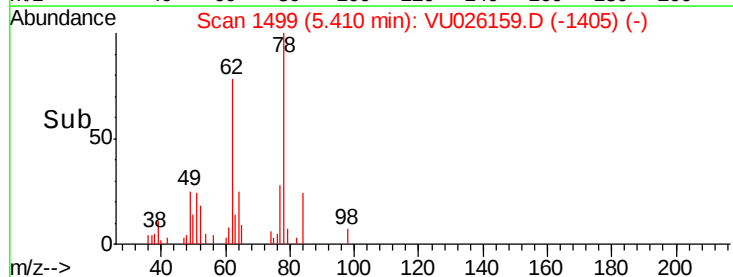
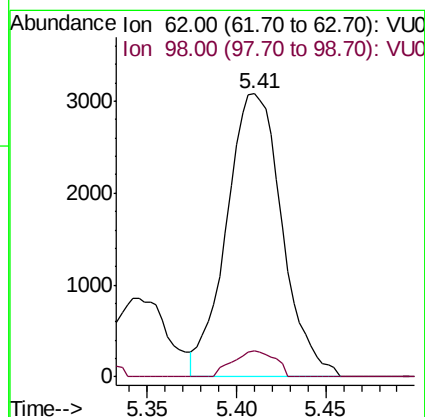
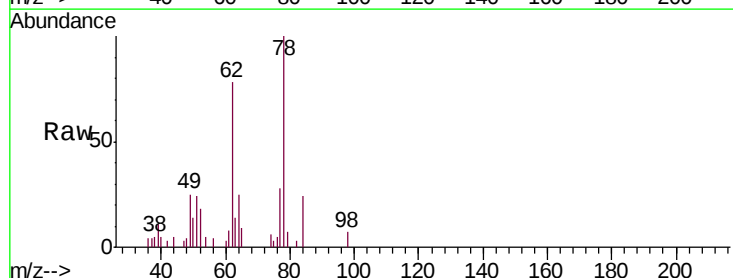
Instrument :
MSVOA_U
ClientSampleId :
MDL04

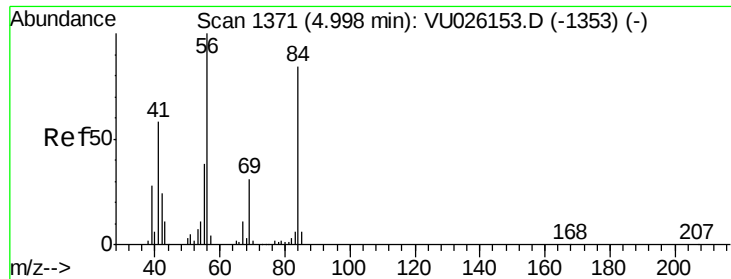
Tgt Ion: 83 Resp: 9647
Ion Ratio Lower Upper
83 100
85 60.1 46.3 86.1



#27
1,2-Dichloroethane
Concen: 2.282 ug/L
RT: 5.41 min Scan# 1499
Delta R.T. 0.00 min
Lab File: VU026159.D
Acq: 15 Aug 2018 20:23

Tgt Ion: 62 Resp: 6708
Ion Ratio Lower Upper
62 100
98 9.4 7.0 10.4

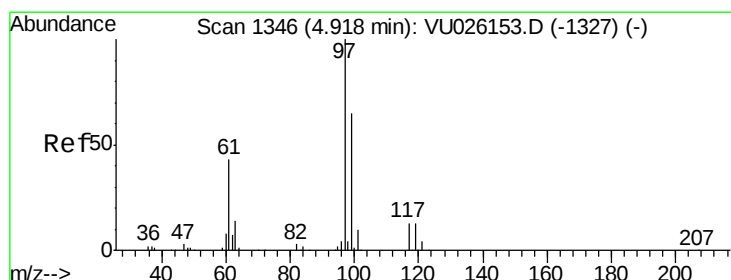
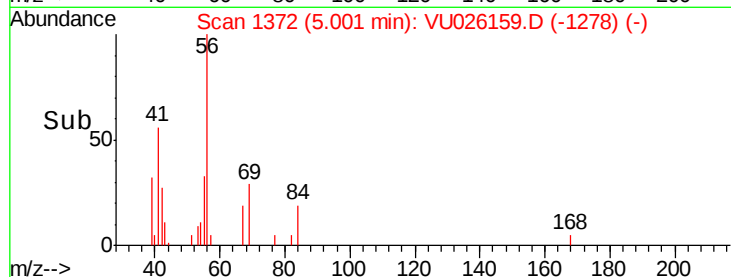
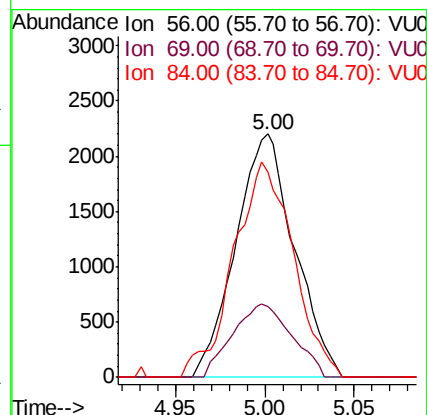
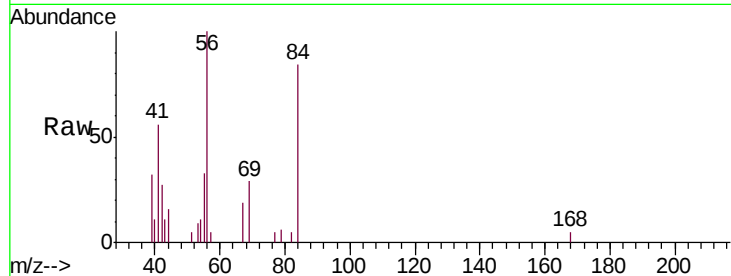




#29
Cyclohexane
Concen: 1.877 ug/L
RT: 5.00 min Scan# 1372
Delta R.T. 0.00 min
Lab File: VU026159.D
Acq: 15 Aug 2018 20:23

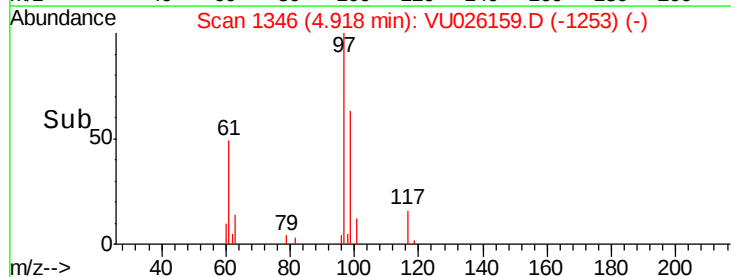
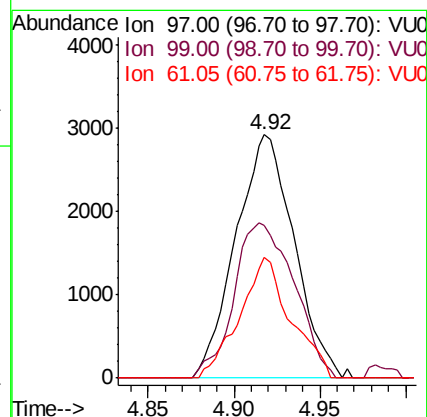
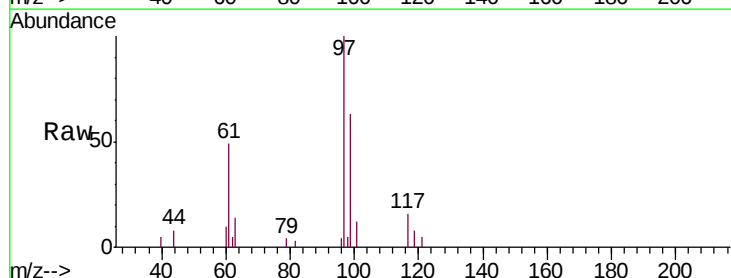
Instrument :
MSVOA_U
ClientSampleId :
MDL04

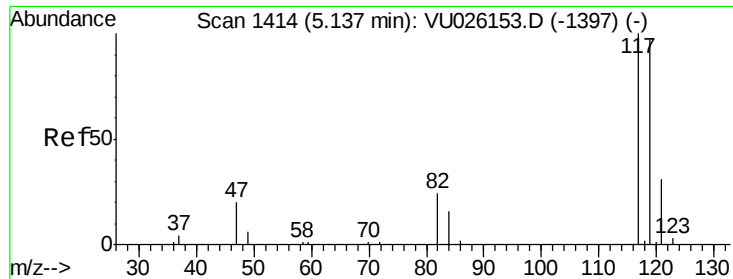
Tgt Ion: 56 Resp: 5055
Ion Ratio Lower Upper
56 100
69 30.4 24.1 36.1
84 86.7 68.6 102.8



#30
1,1,1-Trichloroethane
Concen: 2.140 ug/L
RT: 4.92 min Scan# 1346
Delta R.T. -0.00 min
Lab File: VU026159.D
Acq: 15 Aug 2018 20:23

Tgt Ion: 97 Resp: 6893
Ion Ratio Lower Upper
97 100
99 65.9 52.2 78.2
61 43.4 35.4 53.0





#31

Carbon tetrachloride

Concen: 2.195 ug/L

RT: 5.14 min Scan# 1415

Delta R.T. 0.00 min

Lab File: VU026159.D

Acq: 15 Aug 2018 20:23

Instrument :

MSVOA_U

ClientSampleId :

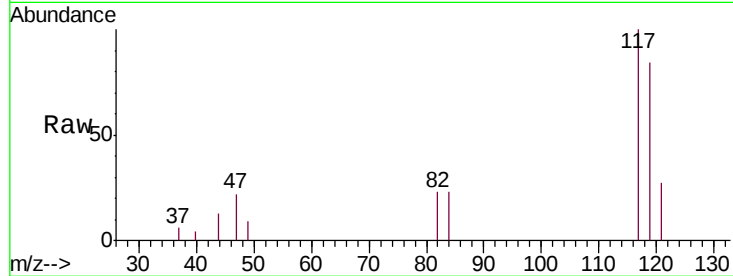
MDL04

Tgt Ion:117 Resp: 6405

Ion Ratio Lower Upper

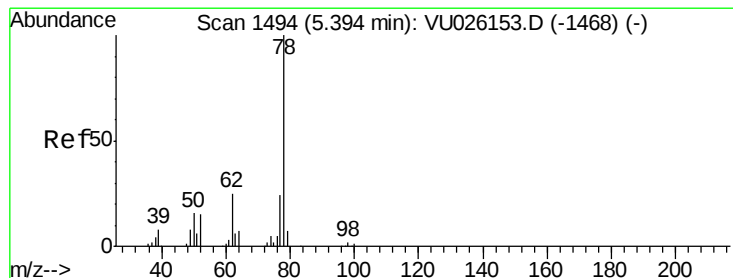
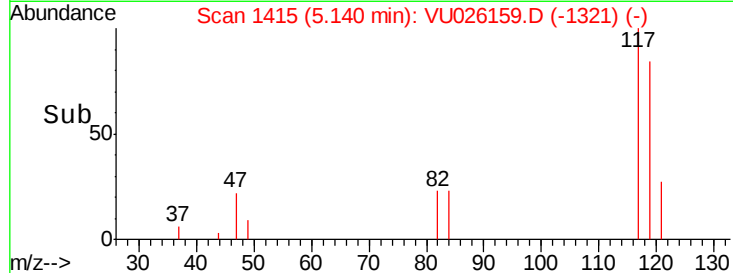
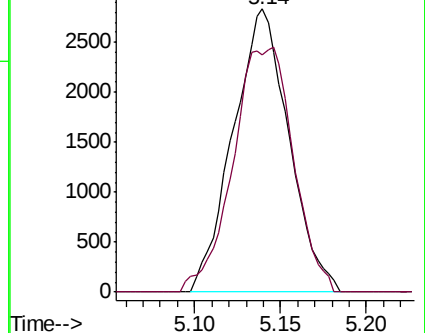
117 100

119 49.7 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: 2.269 ug/L

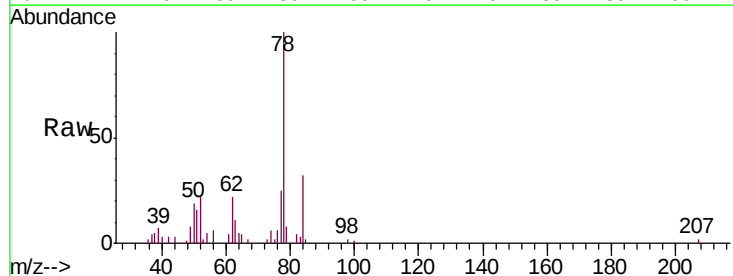
RT: 5.39 min Scan# 1494

Delta R.T. -0.00 min

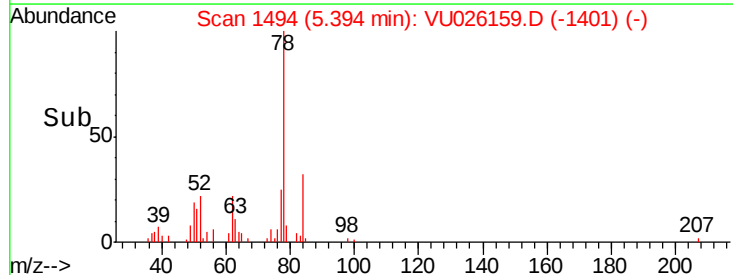
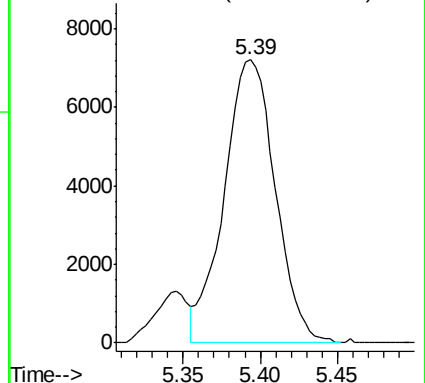
Lab File: VU026159.D

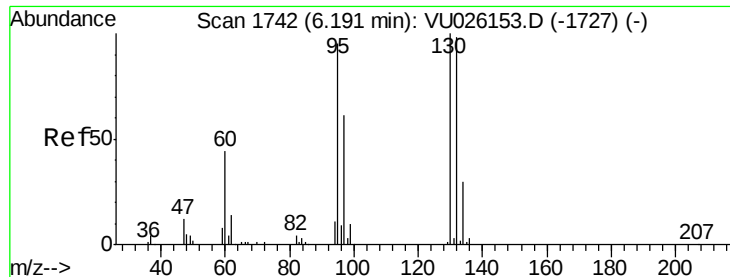
Acq: 15 Aug 2018 20:23

Tgt Ion: 78 Resp: 16565



Abundance Ion 78.00 (77.70 to 78.70): VU0





#34

Trichloroethene

Concen: 2.102 ug/L

RT: 6.19 min Scan# 1743

Delta R.T. 0.00 min

Lab File: VU026159.D

Acq: 15 Aug 2018 20:23

Instrument :

MSVOA_U

ClientSampleId :

MDL04

Tgt Ion: 95 Resp: 3997

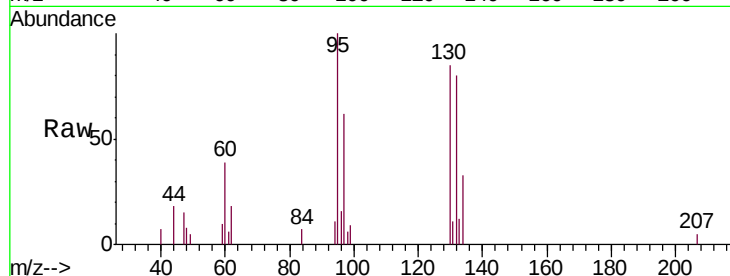
Ion Ratio Lower Upper

95 100

97 62.1 45.7 84.9

132 79.7 68.8 127.8

130 85.3 71.5 132.7

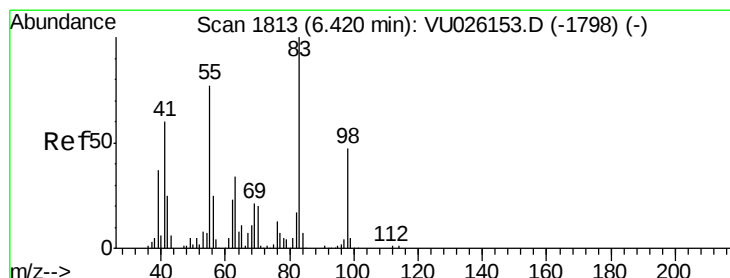
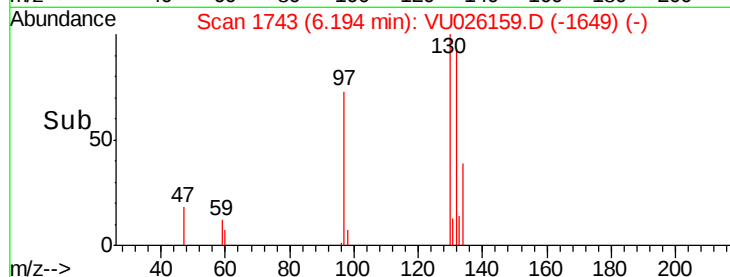
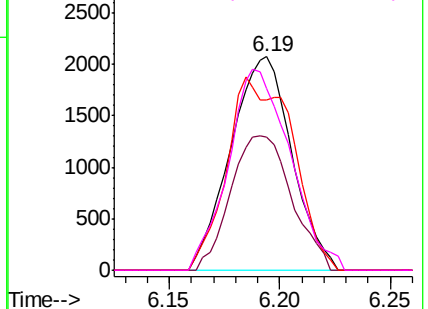


Abundance Ion 95.00 (94.70 to 95.70): VU0

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: 1.737 ug/L

RT: 6.42 min Scan# 1813

Delta R.T. -0.00 min

Lab File: VU026159.D

Acq: 15 Aug 2018 20:23

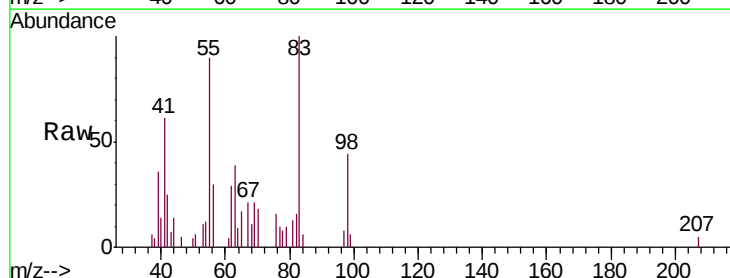
Tgt Ion: 83 Resp: 4958

Ion Ratio Lower Upper

83 100

55 87.2 61.0 91.6

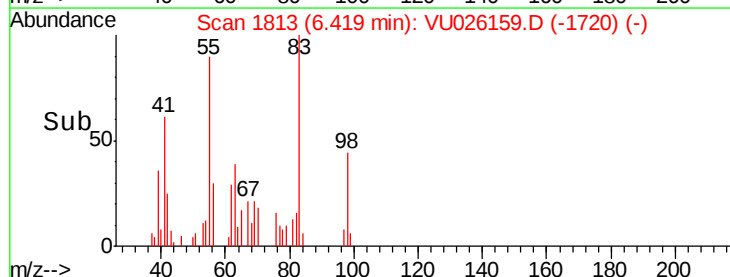
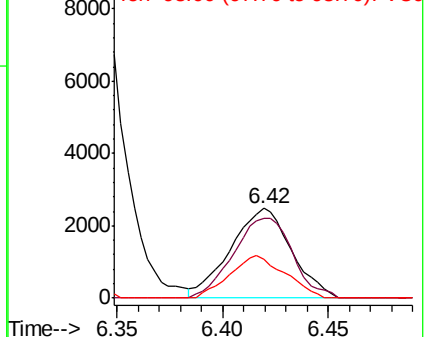
98 43.3 37.6 56.4

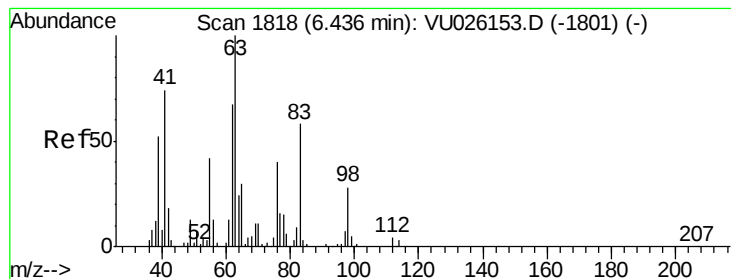


Abundance Ion 83.00 (82.70 to 83.70): VU0

Ion 55.00 (54.70 to 55.70): VU0

Ion 98.00 (97.70 to 98.70): VU0





#37

1,2-Dichloropropane

Concen: 2.237 ug/L

RT: 6.44 min Scan# 1819

Delta R.T. 0.00 min

Lab File: VU026159.D

Acq: 15 Aug 2018 20:23

Instrument :

MSVOA_U

ClientSampleId :

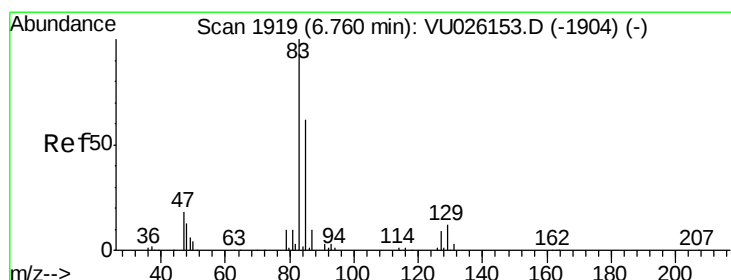
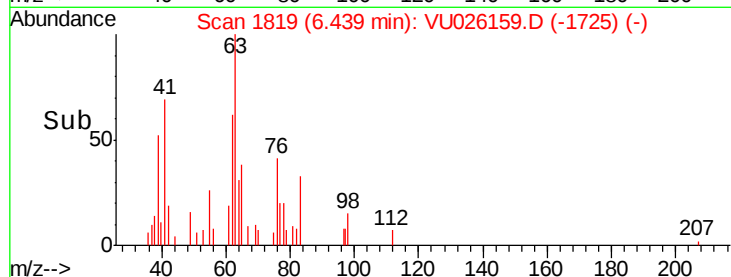
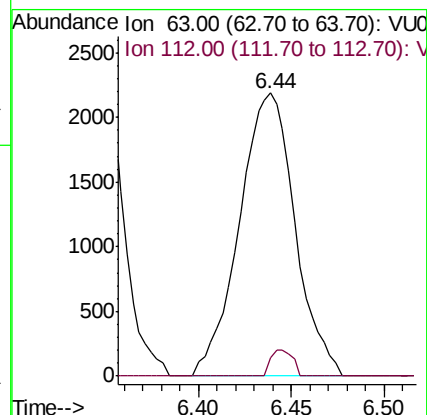
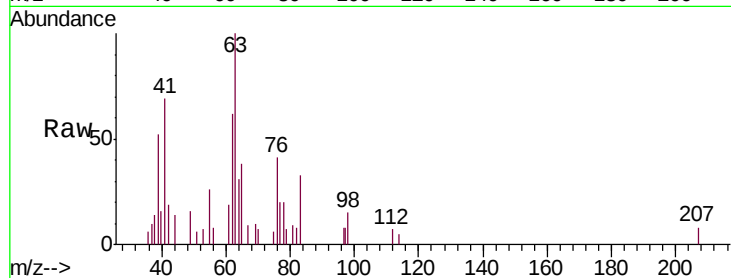
MDL04

Tgt Ion: 63 Resp: 4561

Ion Ratio Lower Upper

63 100

112 3.6 3.5 5.3



#38

Bromodichloromethane

Concen: 2.187 ug/L

RT: 6.76 min Scan# 1919

Delta R.T. -0.00 min

Lab File: VU026159.D

Acq: 15 Aug 2018 20:23

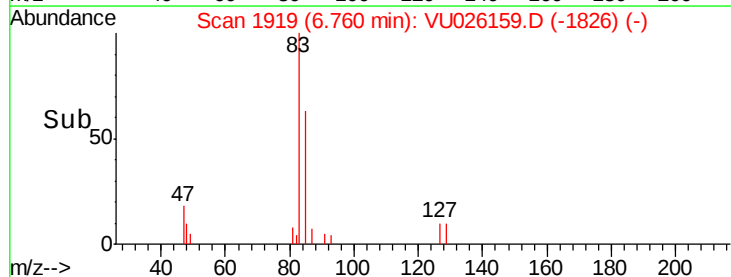
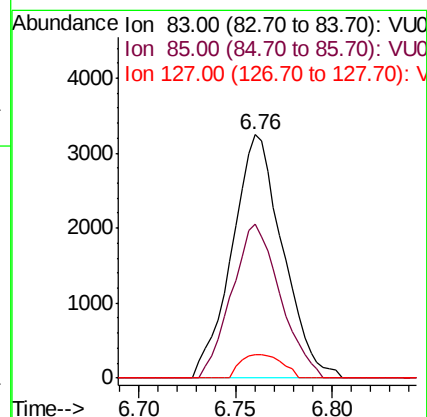
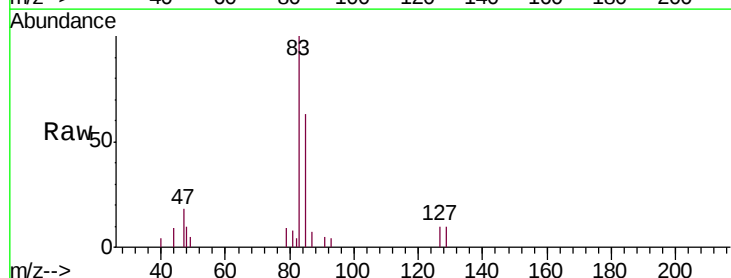
Tgt Ion: 83 Resp: 5903

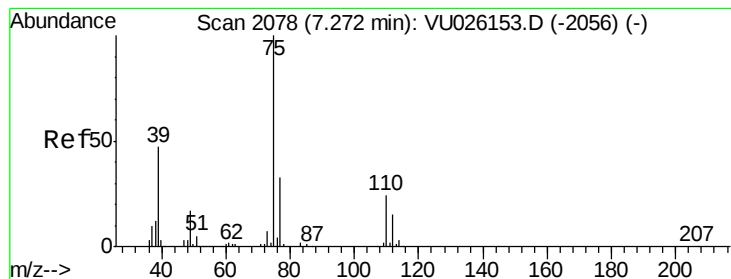
Ion Ratio Lower Upper

83 100

85 63.1 46.0 85.4

127 9.9 7.5 11.3





#39

cis-1,3-Dichloropropene

Concen: 1.942 ug/L

RT: 7.27 min Scan# 2079

Delta R.T. 0.00 min

Lab File: VU026159.D

Acq: 15 Aug 2018 20:23

Instrument :

MSVOA_U

ClientSampled :

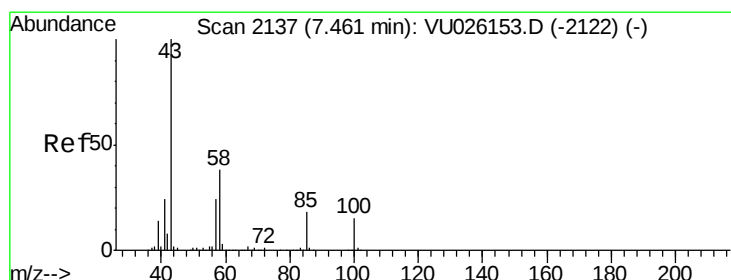
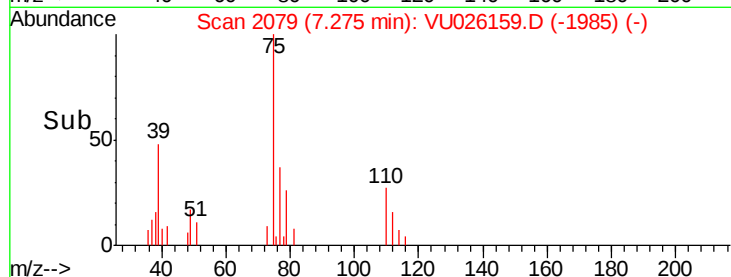
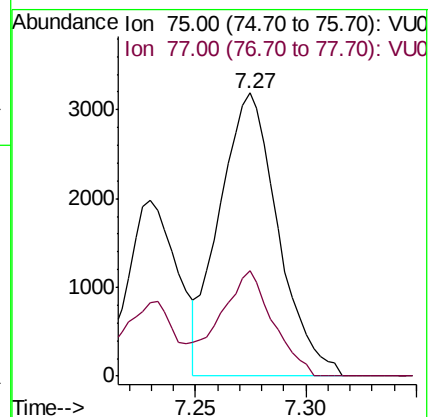
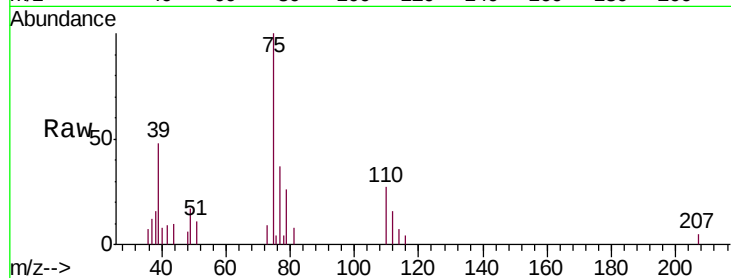
MDL04

Tgt Ion: 75 Resp: 5876

Ion Ratio Lower Upper

75 100

77 37.1 22.2 41.2



#40

4-Methyl-2-pentanone

Concen: 4.267 ug/L

RT: 7.46 min Scan# 2138

Delta R.T. 0.00 min

Lab File: VU026159.D

Acq: 15 Aug 2018 20:23

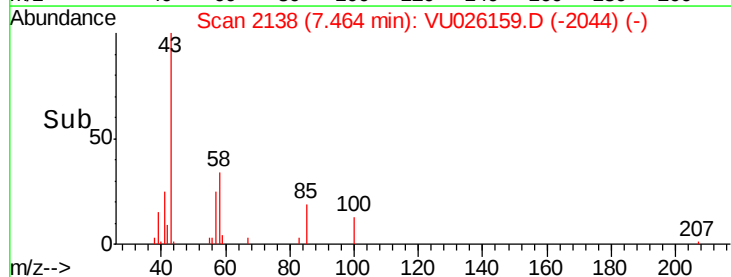
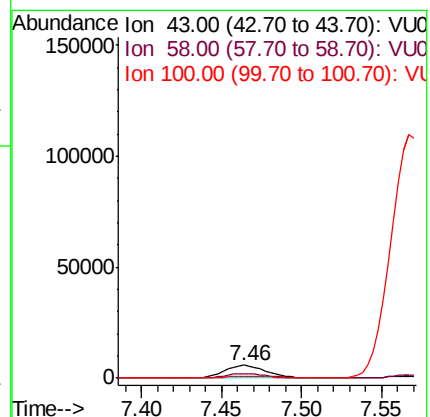
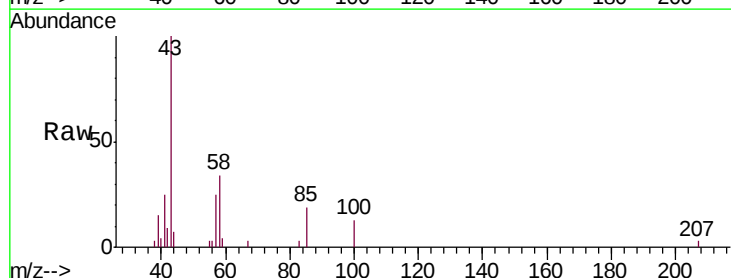
Tgt Ion: 43 Resp: 10790

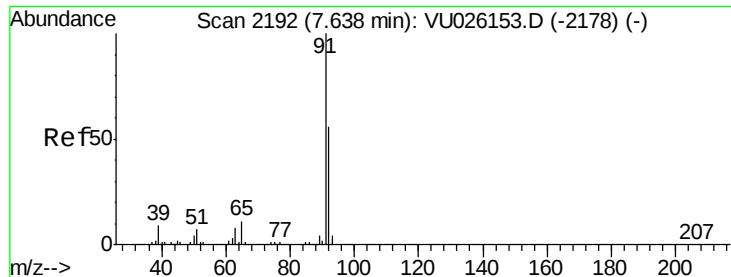
Ion Ratio Lower Upper

43 100

58 35.6 31.8 47.8

100 13.2 12.2 18.2





#42

Toluene

Concen: 2.112 ug/L

RT: 7.64 min Scan# 2193

Delta R.T. 0.00 min

Lab File: VU026159.D

Acq: 15 Aug 2018 20:23

Instrument :

MSVOA_U

ClientSampleId :

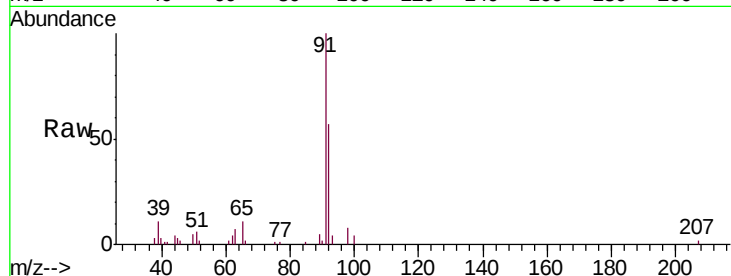
MDL04

Tgt Ion: 91 Resp: 16369

Ion Ratio Lower Upper

91 100

92 56.6 40.0 74.4



Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 92.00 (91.70 to 92.70): VU0

7.64

10000

8000

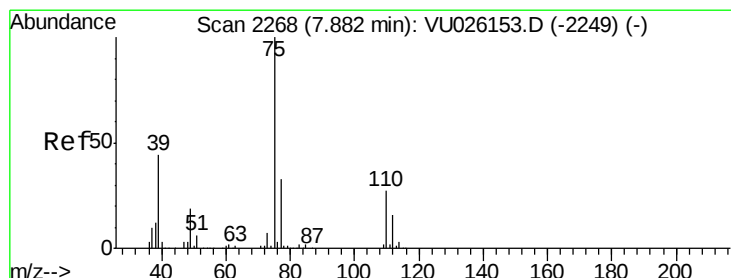
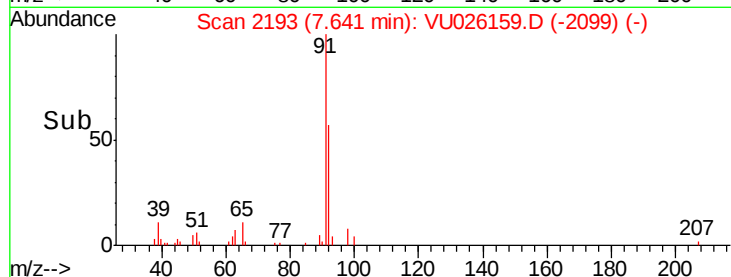
6000

4000

2000

0

Time-->



#44

trans-1,3-Dichloropropene

Concen: 1.980 ug/L

RT: 7.88 min Scan# 2268

Delta R.T. -0.00 min

Lab File: VU026159.D

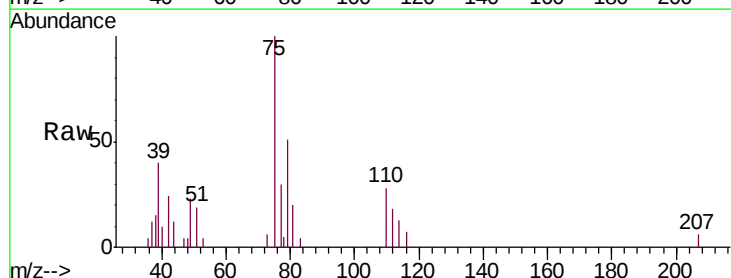
Acq: 15 Aug 2018 20:23

Tgt Ion: 75 Resp: 5774

Ion Ratio Lower Upper

75 100

77 29.7 22.0 41.0



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0

7.88

4000

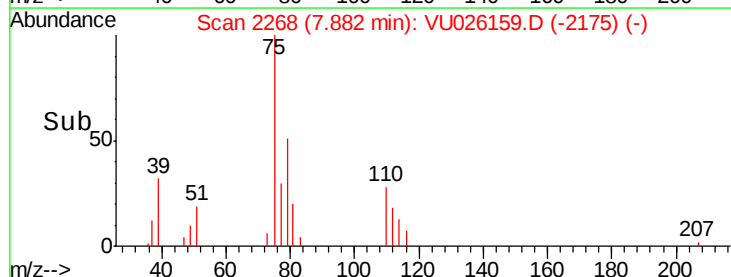
3000

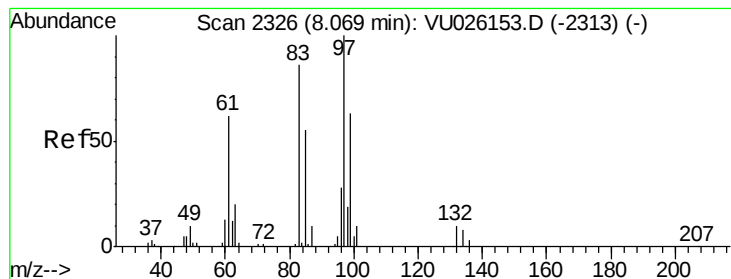
2000

1000

0

Time-->





#45

1,1,2-Trichloroethane

Concen: 2.203 ug/L

RT: 8.07 min Scan# 2326

Delta R.T. -0.00 min

Lab File: VU026159.D

Acq: 15 Aug 2018 20:23

Instrument :

MSVOA_U

ClientSampleId :

MDL04

Tgt Ion: 97 Resp: 4258

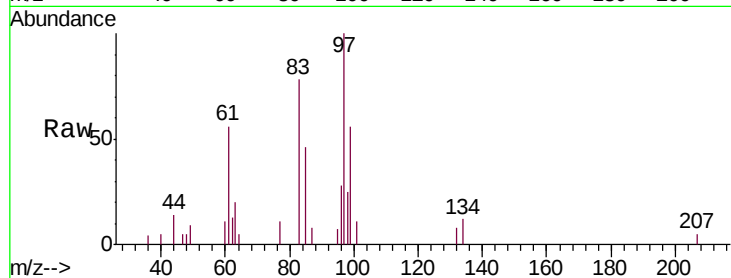
Ion Ratio Lower Upper

97 100

99 56.0 43.3 80.5

83 78.2 58.4 108.6

85 46.4 39.0 72.4

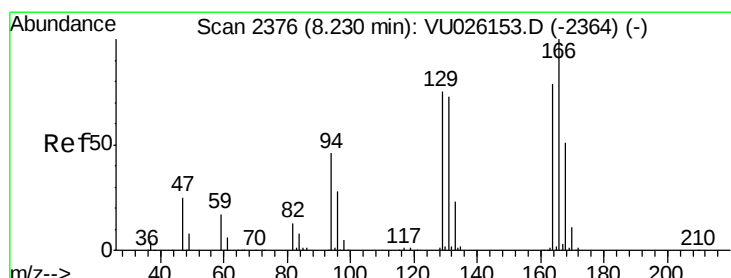
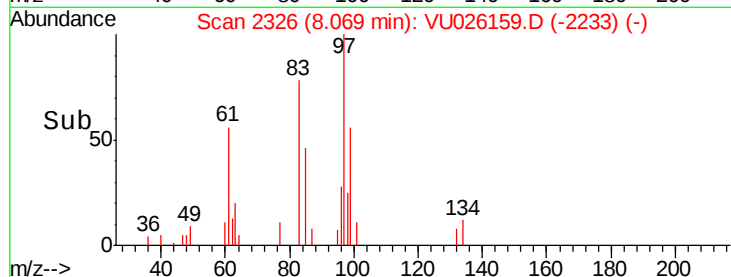
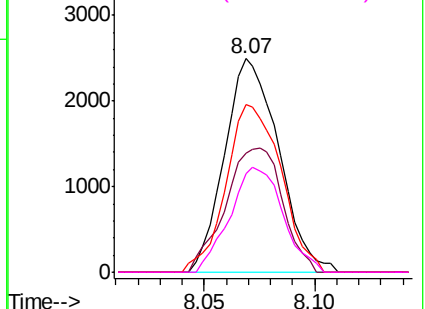


Abundance Ion 97.00 (96.70 to 97.70): VU0

Ion 99.00 (98.70 to 99.70): VU0

Ion 83.00 (82.70 to 83.70): VU0

Ion 85.00 (84.70 to 85.70): VU0



#46

Tetrachloroethene

Concen: 2.006 ug/L

RT: 8.23 min Scan# 2376

Delta R.T. -0.00 min

Lab File: VU026159.D

Acq: 15 Aug 2018 20:23

Tgt Ion: 164 Resp: 3290

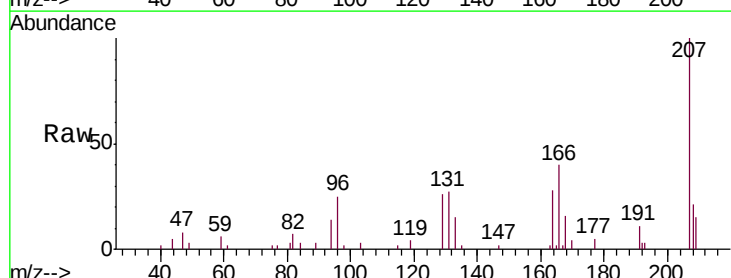
Ion Ratio Lower Upper

164 100

129 93.4 65.7 121.9

131 99.0 62.0 115.2

166 146.0 88.9 165.1

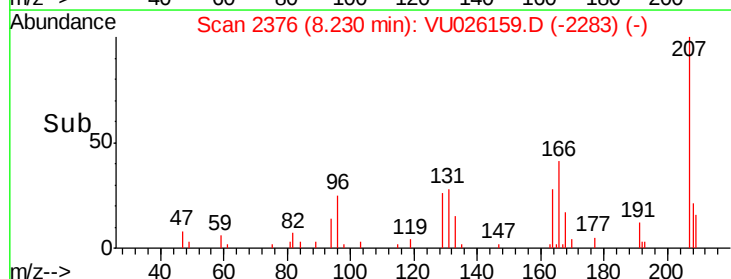
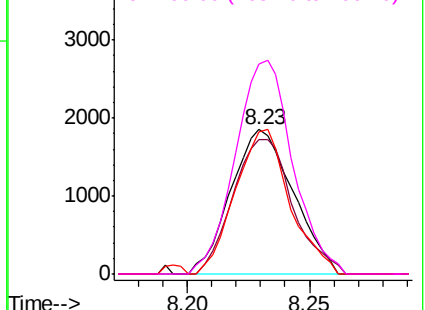


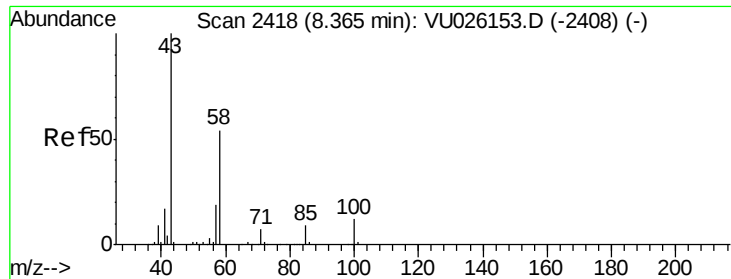
Abundance Ion 164.00 (163.70 to 164.70): V

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

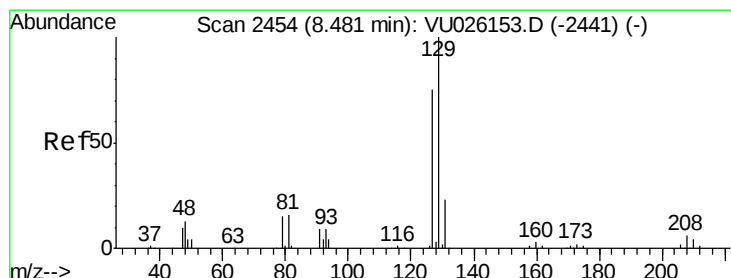
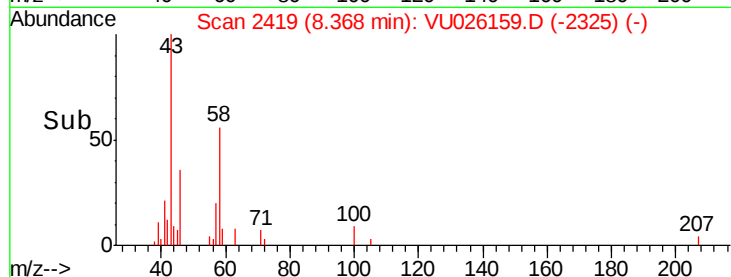
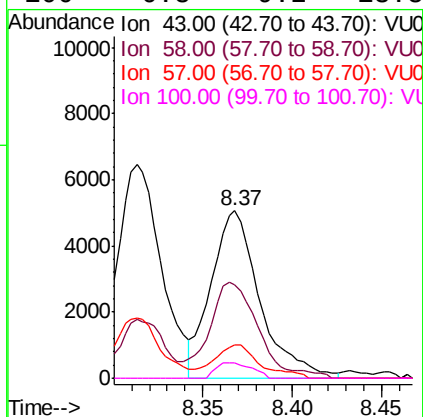
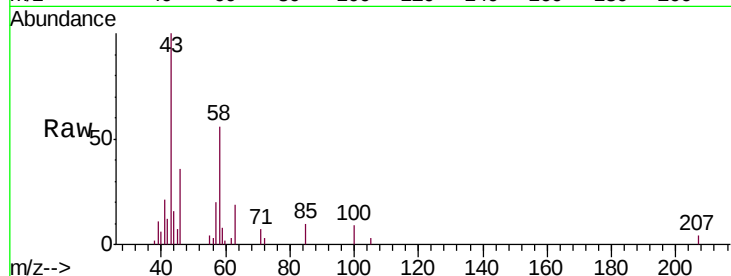




#48
2-Hexanone
Concen: 4.877 ug/L
RT: 8.37 min Scan# 2419
Delta R.T. 0.00 min
Lab File: VU026159.D
Acq: 15 Aug 2018 20:23

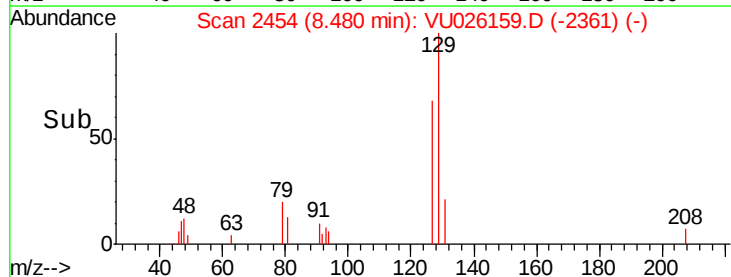
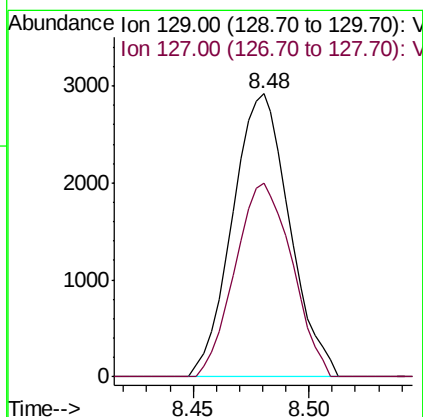
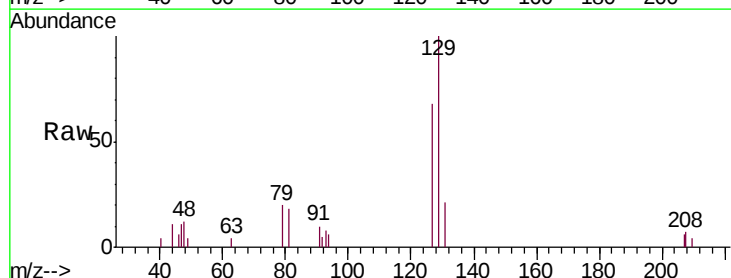
Instrument :
MSVOA_U
ClientSampleId :
MDL04

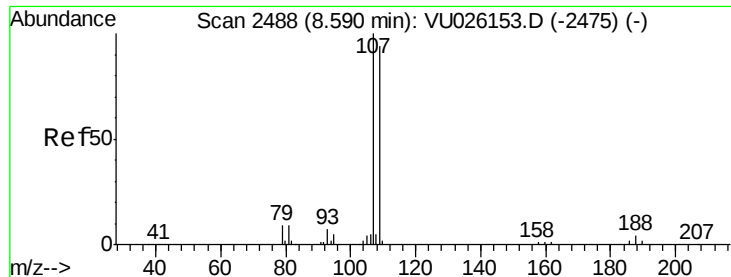
Tgt Ion:	43	Resp:	9663
Ion	Ratio	Lower	Upper
43	100		
58	48.6	42.9	64.3
57	18.7	15.1	22.7
100	6.8	9.2	13.8#



#49
Dibromochloromethane
Concen: 2.144 ug/L
RT: 8.48 min Scan# 2454
Delta R.T. -0.00 min
Lab File: VU026159.D
Acq: 15 Aug 2018 20:23

Tgt Ion:	129	Resp:	4991
Ion	Ratio	Lower	Upper
129	100		
127	68.3	54.6	101.4

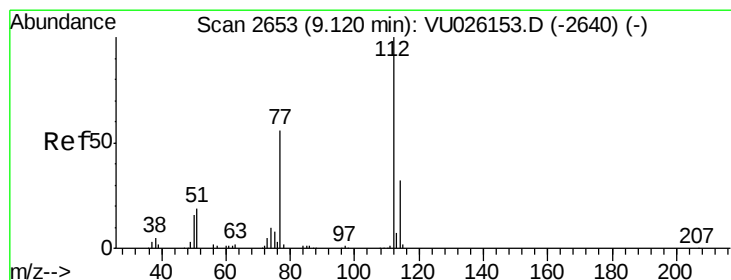
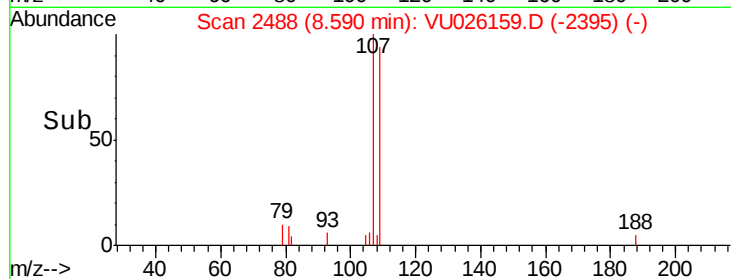
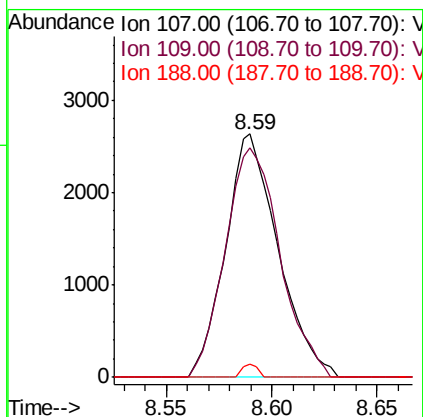
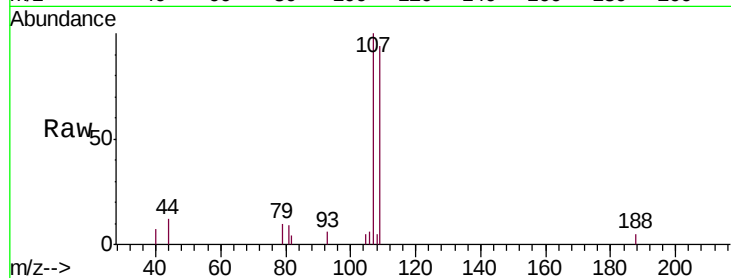




#50
 1,2-Dibromoethane
 Concen: 2.275 ug/L
 RT: 8.59 min Scan# 2488
 Delta R.T. -0.00 min
 Lab File: VU026159.D
 Acq: 15 Aug 2018 20:23

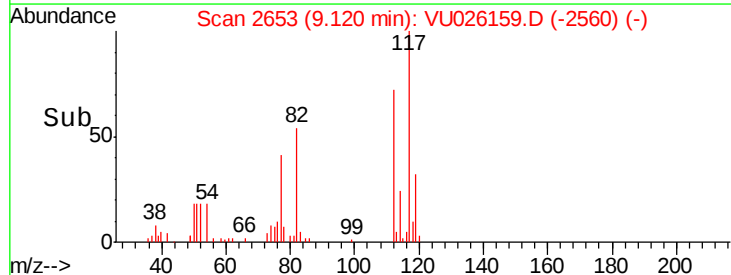
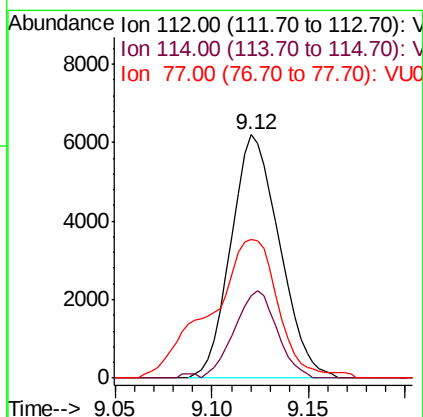
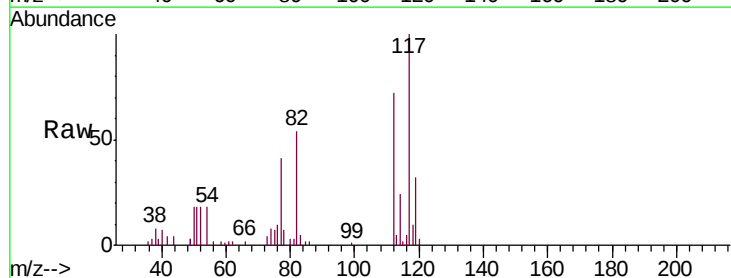
Instrument :
 MSVOA_U
 ClientSampleId :
 MDL04

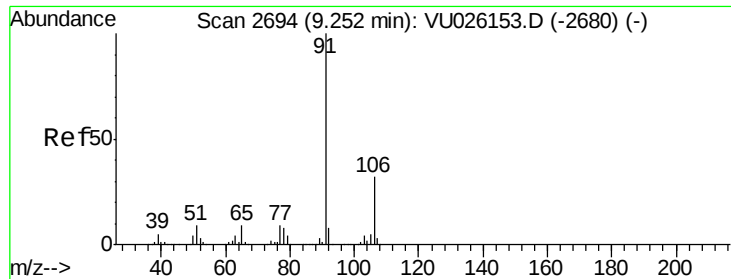
Tgt Ion:107 Resp: 4567
 Ion Ratio Lower Upper
 107 100
 109 94.3 66.1 122.7
 188 5.2 3.2 4.8#



#51
 Chlorobenzene
 Concen: 2.043 ug/L
 RT: 9.12 min Scan# 2653
 Delta R.T. -0.00 min
 Lab File: VU026159.D
 Acq: 15 Aug 2018 20:23

Tgt Ion:112 Resp: 10826
 Ion Ratio Lower Upper
 112 100
 114 33.8 22.5 41.9
 77 56.8 45.0 67.4





#52

Ethylbenzene

Concen: 1.913 ug/L

RT: 9.25 min Scan# 2694

Delta R.T. -0.00 min

Lab File: VU026159.D

Acq: 15 Aug 2018 20:23

Instrument :

MSVOA_U

ClientSampleId :

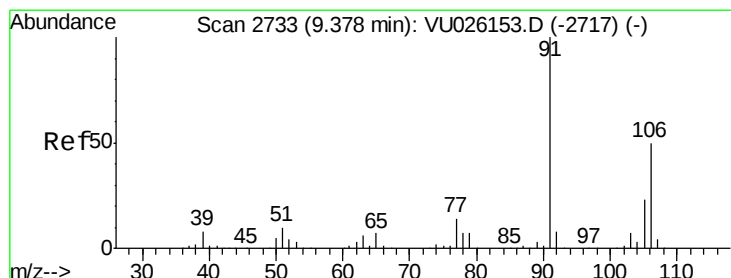
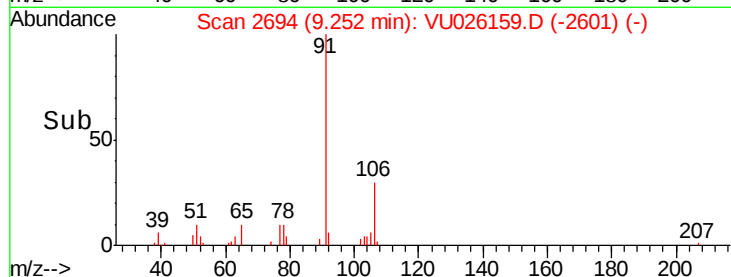
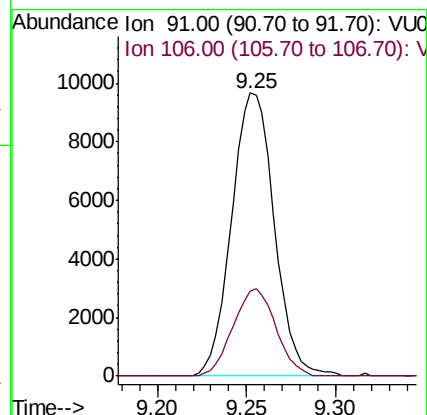
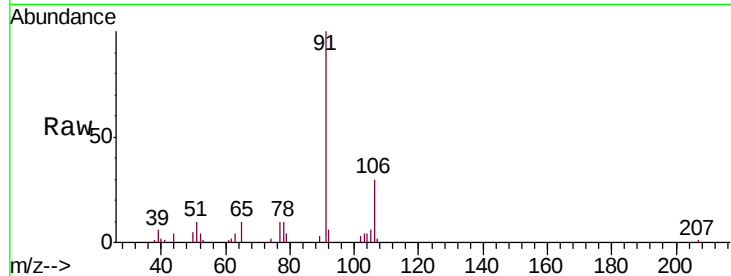
MDL04

Tgt Ion: 91 Resp: 16153

Ion Ratio Lower Upper

91 100

106 30.2 22.3 41.5



#53

m,p-Xylene

Concen: 1.731 ug/L

RT: 9.38 min Scan# 2734

Delta R.T. 0.00 min

Lab File: VU026159.D

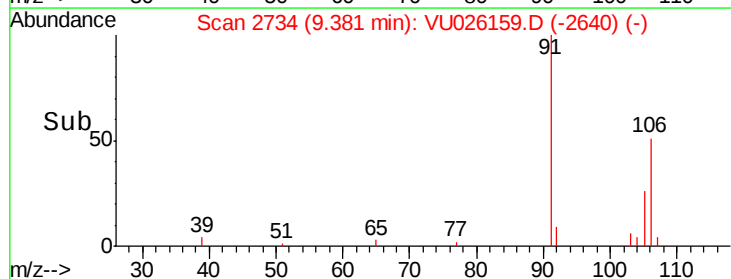
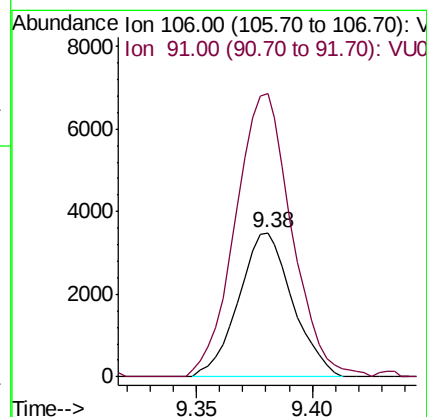
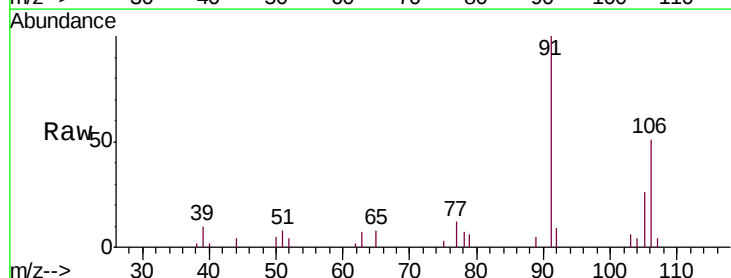
Acq: 15 Aug 2018 20:23

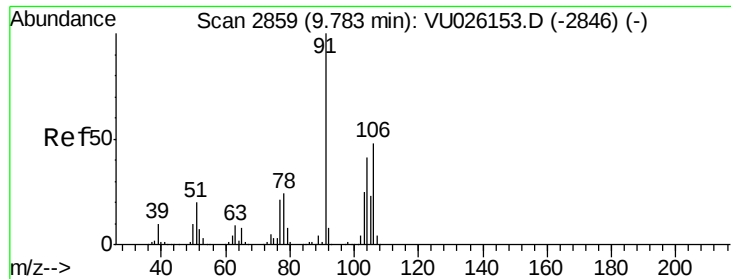
Tgt Ion: 106 Resp: 5633

Ion Ratio Lower Upper

106 100

91 196.2 139.2 258.4





#54

o-xylene

Concen: 1.766 ug/L

RT: 9.78 min Scan# 2859

Delta R.T. -0.00 min

Lab File: VU026159.D

Acq: 15 Aug 2018 20:23

Instrument :

MSVOA_U

ClientSampleId :

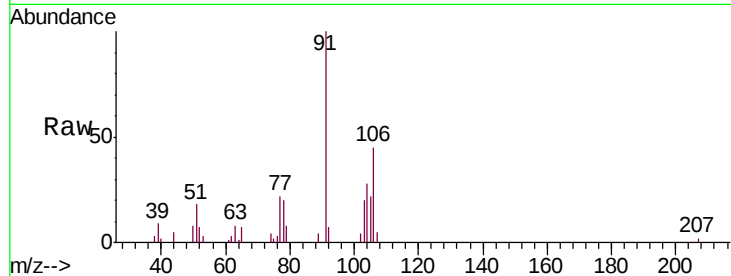
MDL04

Tgt Ion:106 Resp: 5734

Ion Ratio Lower Upper

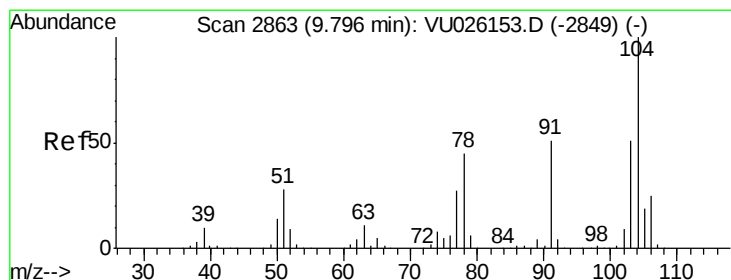
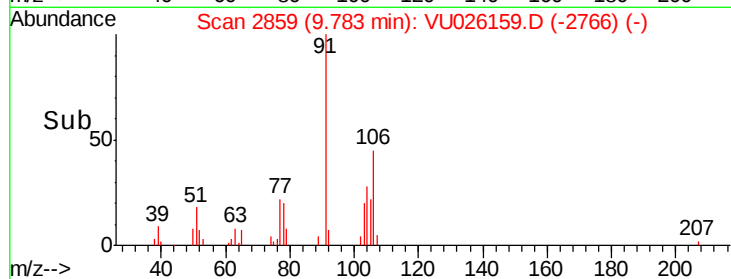
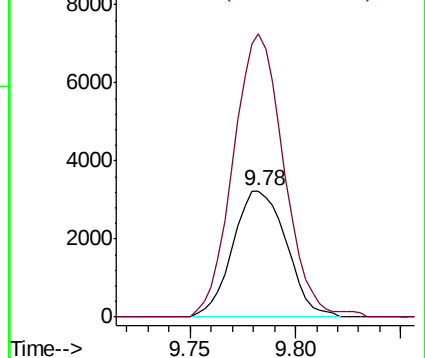
106 100

91 223.9 148.0 274.8



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0



#55

Styrene

Concen: 1.641 ug/L

RT: 9.80 min Scan# 2864

Delta R.T. 0.00 min

Lab File: VU026159.D

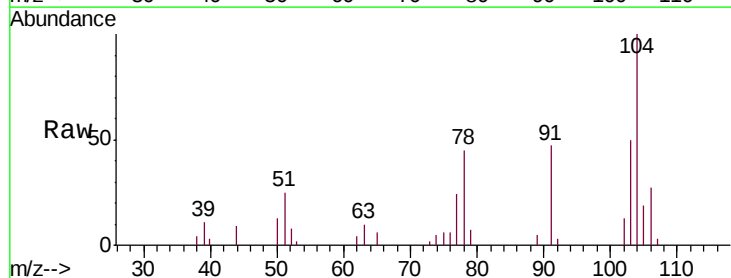
Acq: 15 Aug 2018 20:23

Tgt Ion:104 Resp: 8872

Ion Ratio Lower Upper

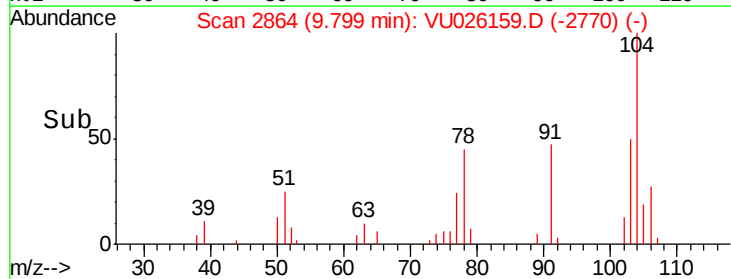
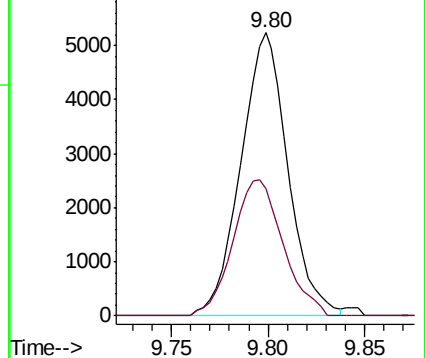
104 100

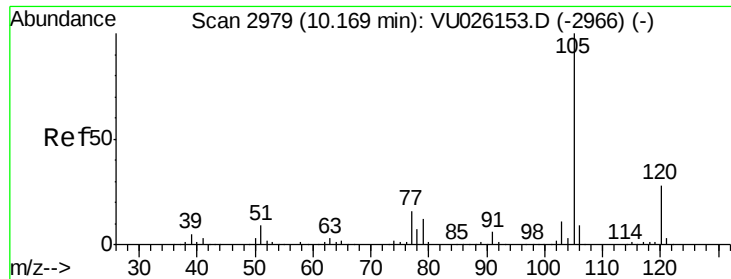
78 44.9 30.9 57.5



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VU0





#56

Isopropylbenzene

Concen: 1.604 ug/L

RT: 10.17 min Scan# 2979

Delta R.T. -0.00 min

Lab File: VU026159.D

Acq: 15 Aug 2018 20:23

Instrument :

MSVOA_U

ClientSampleId :

MDL04

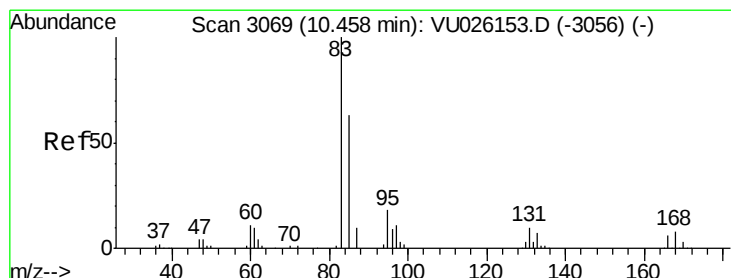
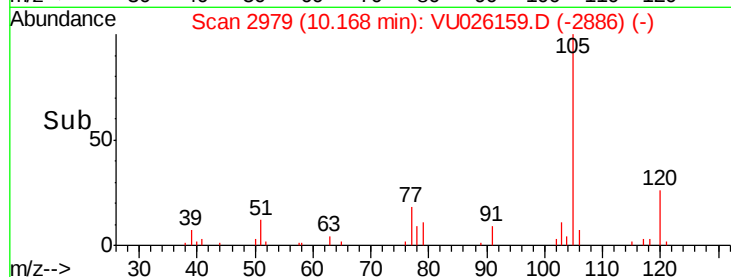
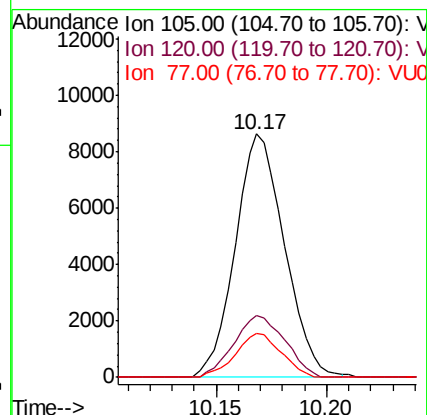
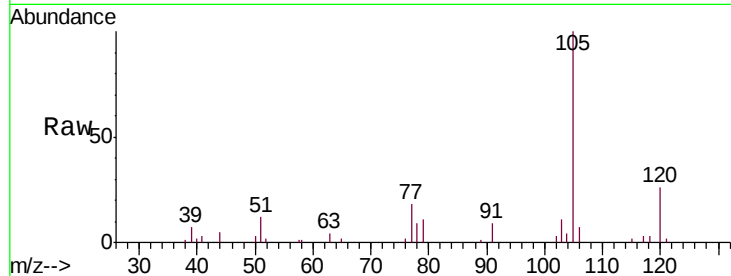
Tgt Ion: 105 Resp: 13373

Ion Ratio Lower Upper

105 100

120 26.2 21.5 32.3

77 16.9 12.3 18.5



#58

1,1,2,2-Tetrachloroethane

Concen: 2.358 ug/L

RT: 10.46 min Scan# 3070

Delta R.T. 0.00 min

Lab File: VU026159.D

Acq: 15 Aug 2018 20:23

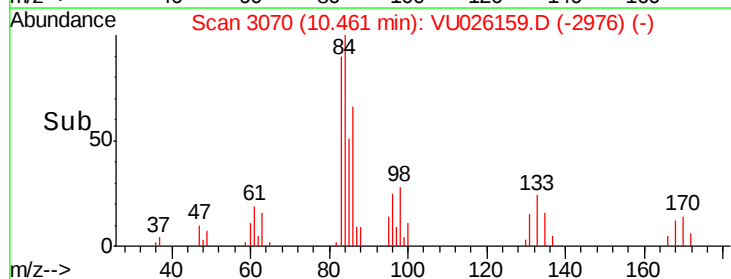
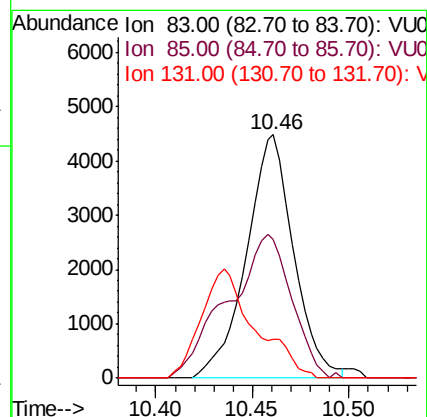
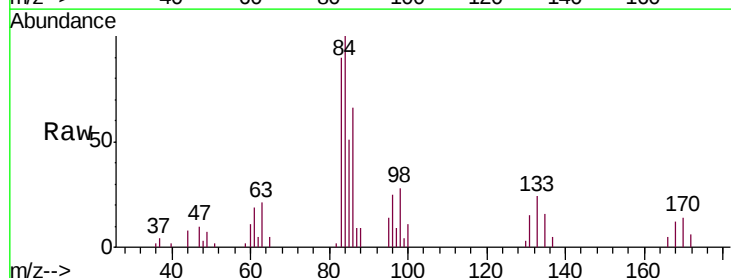
Tgt Ion: 83 Resp: 7611

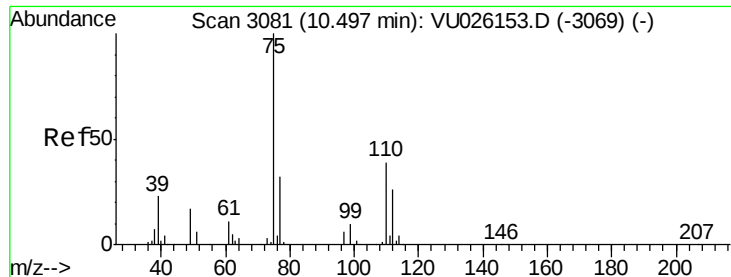
Ion Ratio Lower Upper

83 100

85 56.7 45.0 83.6

131 16.1 8.4 12.6#

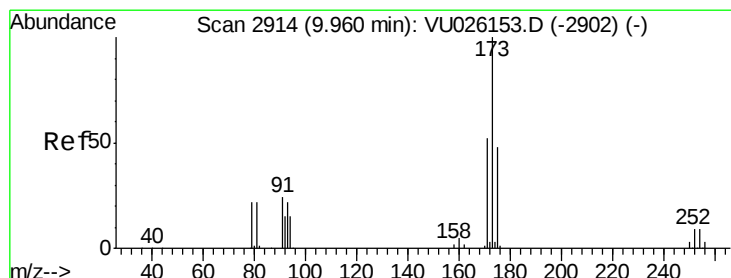
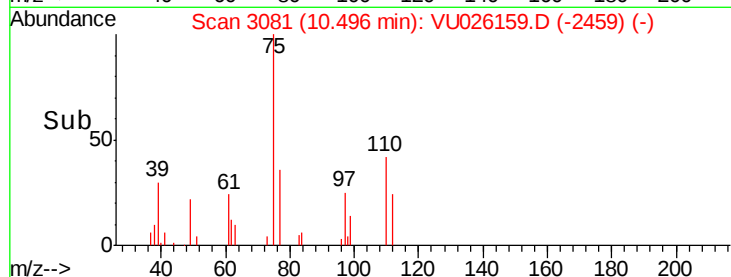
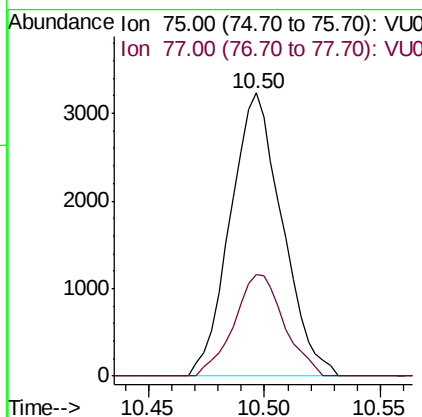
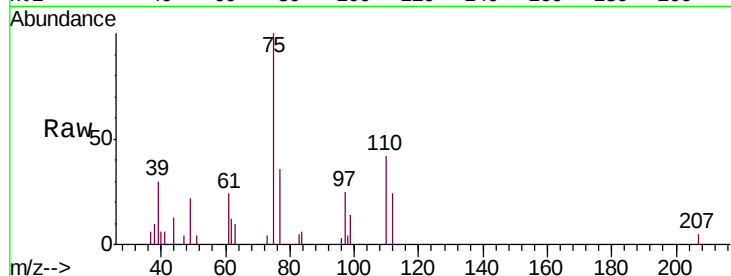




#59
 1,2,3-Trichloropropane
 Concen: 1.996 ug/L
 RT: 10.50 min Scan# 3081
 Delta R.T. -0.00 min
 Lab File: VU026159.D
 Acq: 15 Aug 2018 20:23

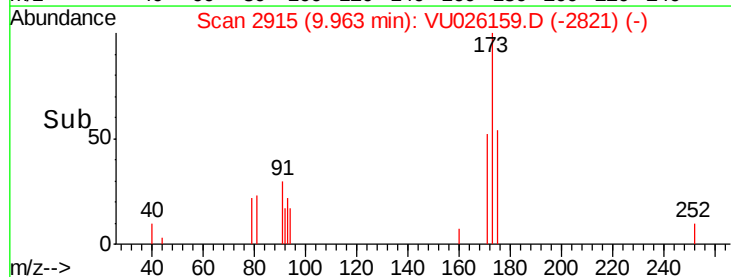
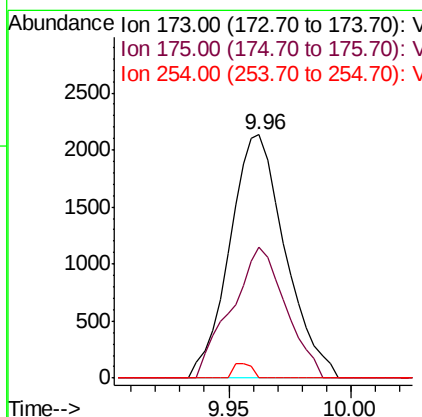
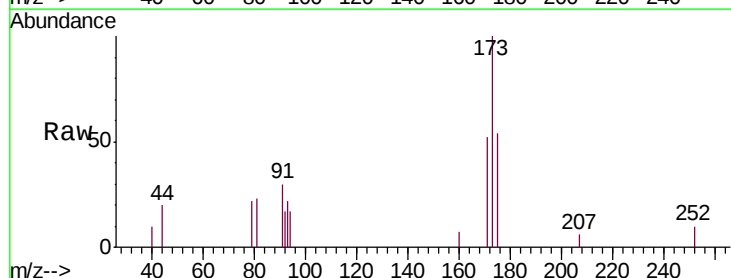
Instrument :
 MSVOA_U
 ClientSampleId :
 MDL04

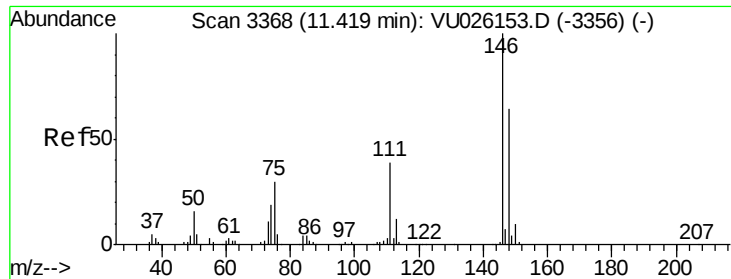
Tgt Ion: 75 Resp: 5013
 Ion Ratio Lower Upper
 75 100
 77 34.7 26.1 39.1



#61
 Bromoform
 Concen: 2.251 ug/L
 RT: 9.96 min Scan# 2915
 Delta R.T. 0.00 min
 Lab File: VU026159.D
 Acq: 15 Aug 2018 20:23

Tgt Ion: 173 Resp: 3359
 Ion Ratio Lower Upper
 173 100
 175 52.6 38.8 58.2
 254 2.1 7.3 10.9#





#62

1,3-Dichlorobenzene

Concen: 2.047 ug/L

RT: 11.42 min Scan# 3368

Delta R.T. -0.00 min

Lab File: VU026159.D

Acq: 15 Aug 2018 20:23

Instrument :

MSVOA_U

ClientSampleId :

MDL04

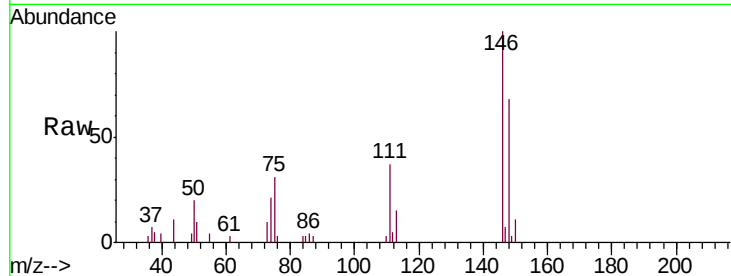
Tgt Ion:146 Resp: 7000

Ion Ratio Lower Upper

146 100

111 37.0 26.7 49.7

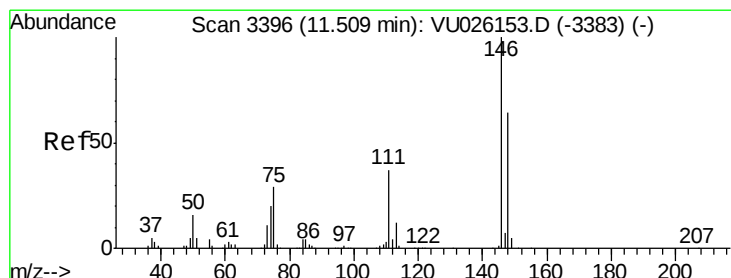
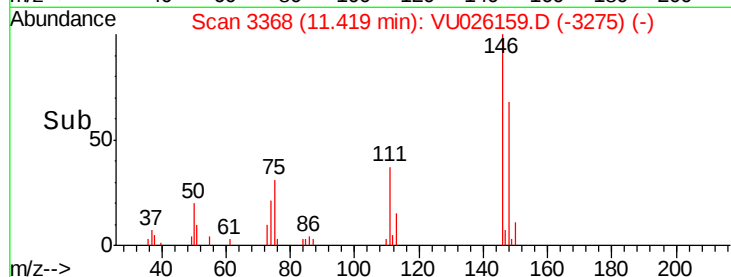
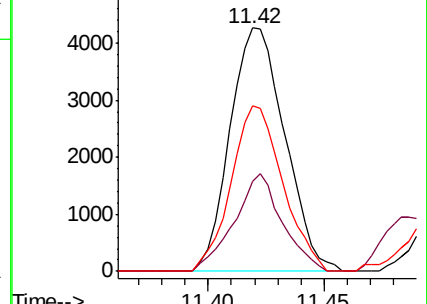
148 67.9 44.1 81.9



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: 2.083 ug/L

RT: 11.51 min Scan# 3397

Delta R.T. 0.00 min

Lab File: VU026159.D

Acq: 15 Aug 2018 20:23

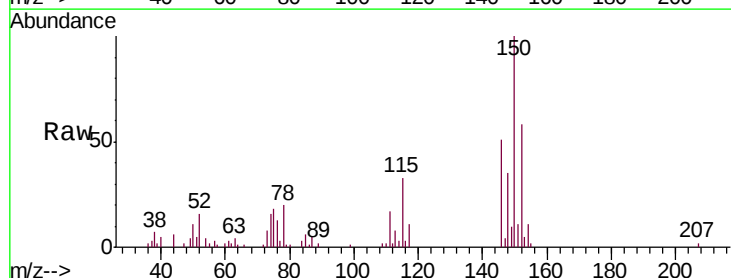
Tgt Ion:146 Resp: 7345

Ion Ratio Lower Upper

146 100

111 34.5 27.5 51.1

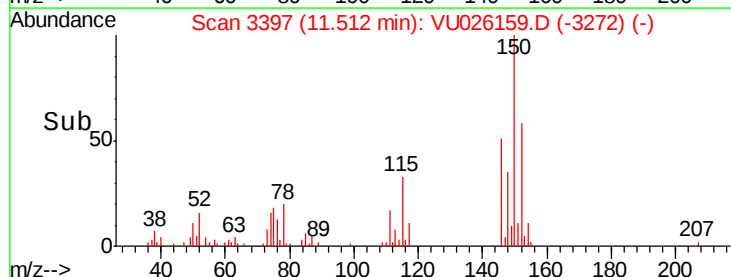
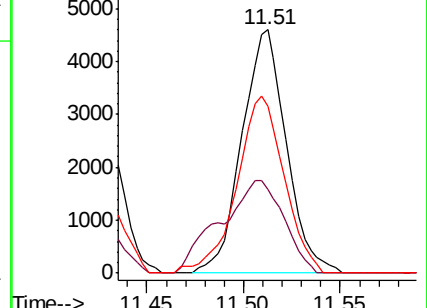
148 68.6 44.8 83.2

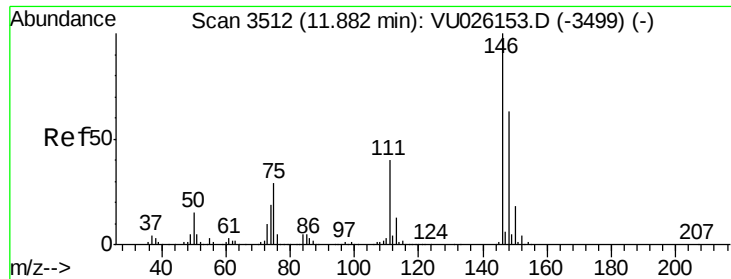


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

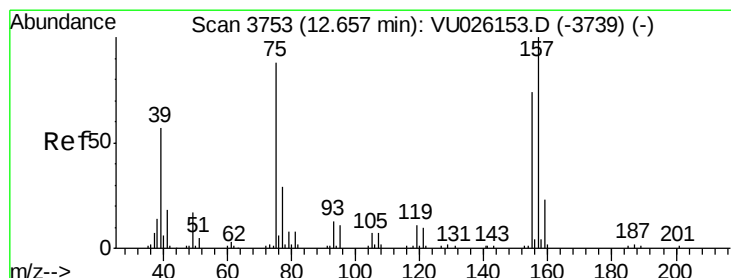
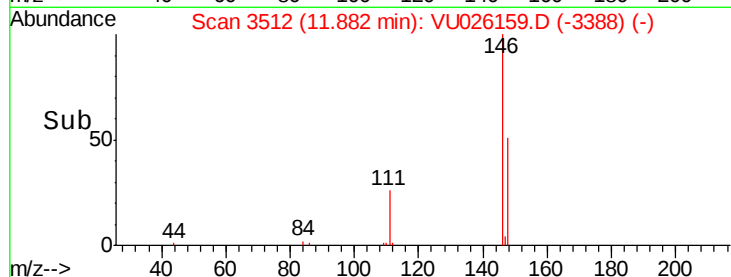
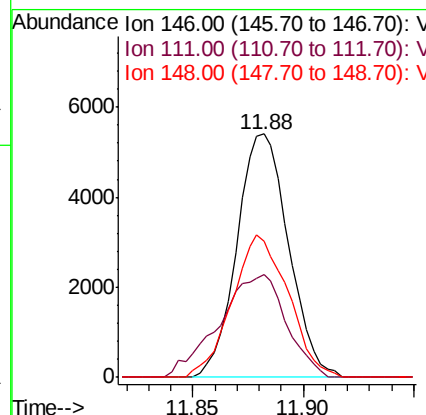
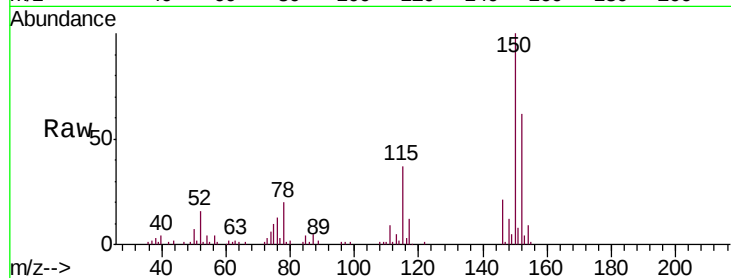




#65
 1,2-Dichlorobenzene
 Concen: 2.399 ug/L
 RT: 11.88 min Scan# 3512
 Delta R.T. -0.00 min
 Lab File: VU026159.D
 Acq: 15 Aug 2018 20:23

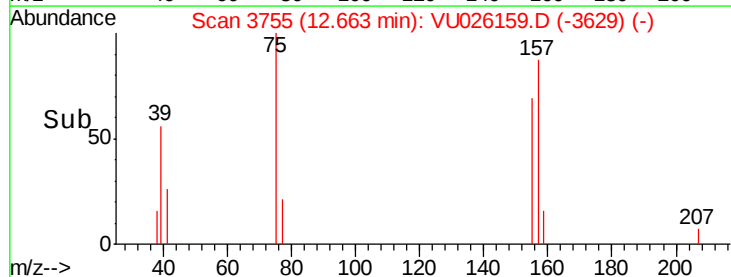
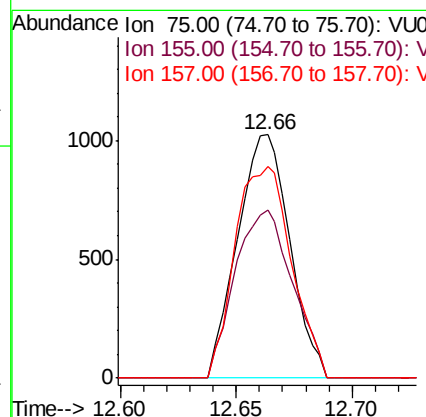
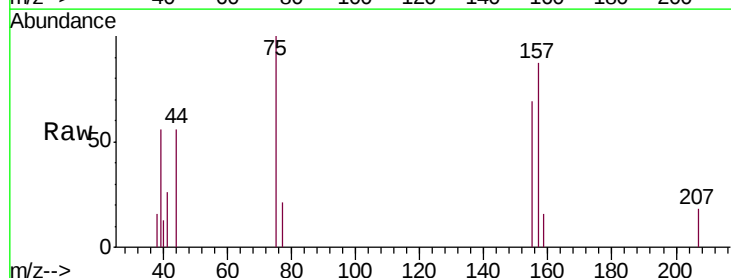
Instrument :
 MSVOA_U
 ClientSampleId :
 MDL04

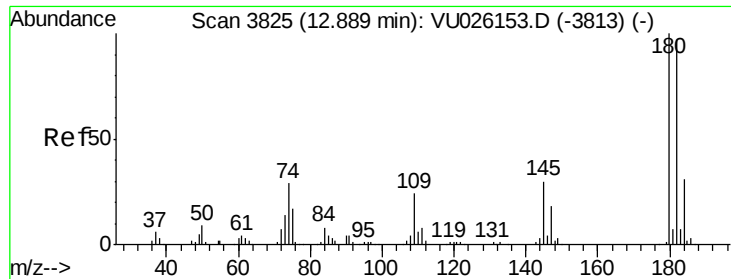
Tgt Ion: 146 Resp: 8767
 Ion Ratio Lower Upper
 146 100
 111 42.3 32.7 49.1
 148 56.1 51.4 77.2



#66
 1,2-Dibromo-3-chloropropane
 Concen: 2.761 ug/L
 RT: 12.66 min Scan# 3755
 Delta R.T. 0.01 min
 Lab File: VU026159.D
 Acq: 15 Aug 2018 20:23

Tgt Ion: 75 Resp: 1600
 Ion Ratio Lower Upper
 75 100
 155 69.1 68.2 102.2
 157 86.7 90.5 135.7#

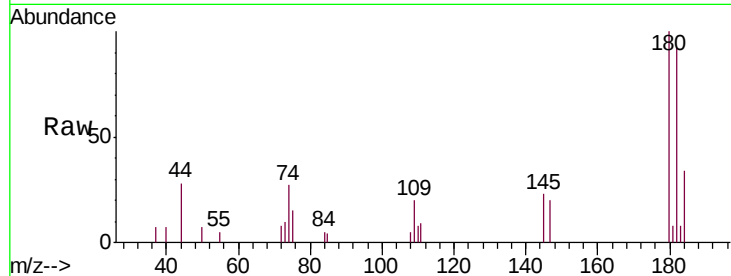




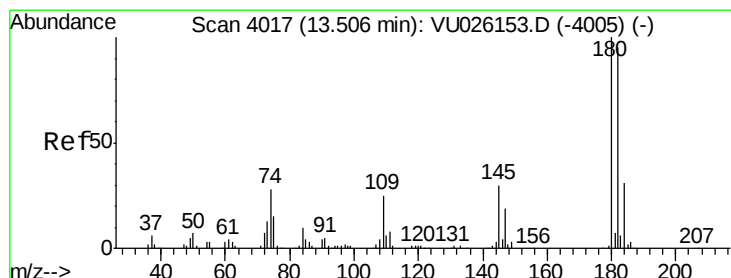
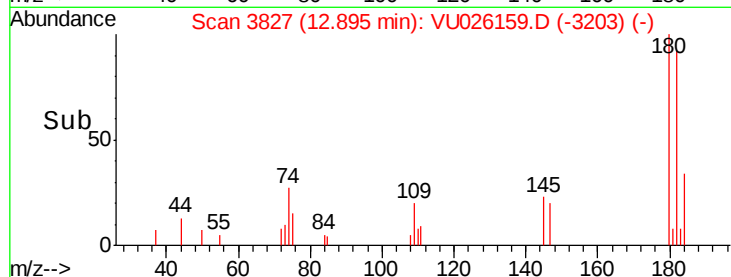
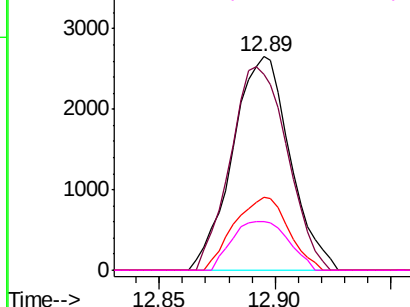
#67
 1,3,5-Trichlorobenzene
 Concen: 1.806 ug/L
 RT: 12.89 min Scan# 3827
 Delta R.T. 0.01 min
 Lab File: VU026159.D
 Acq: 15 Aug 2018 20:23

Instrument :
 MSVOA_U
 ClientSampleId :
 MDL04

Tgt Ion:180 Resp: 4560
 Ion Ratio Lower Upper
 180 100
 182 94.5 75.6 113.4
 184 32.5 24.3 36.5
 145 22.5 23.3 34.9#

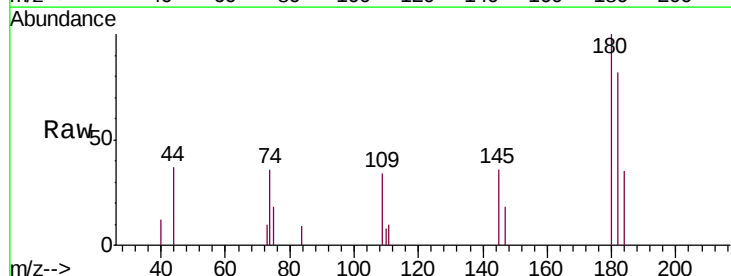


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

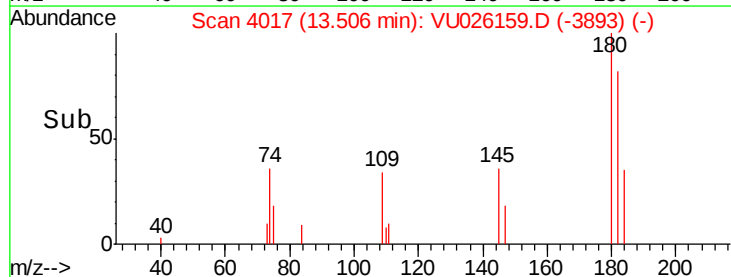
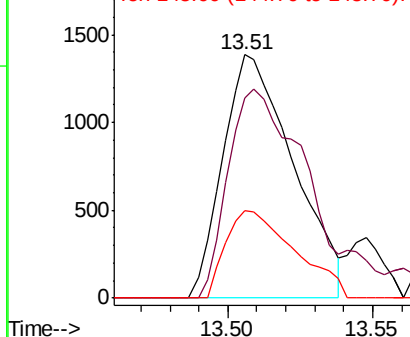


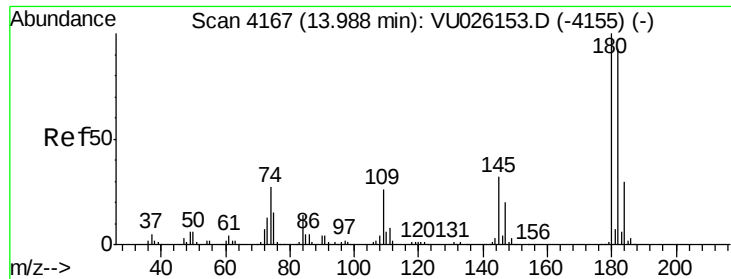
#68
 1,2,4-trichlorobenzene
 Concen: 1.226 ug/L
 RT: 13.51 min Scan# 4017
 Delta R.T. -0.00 min
 Lab File: VU026159.D
 Acq: 15 Aug 2018 20:23

Tgt Ion:180 Resp: 2345
 Ion Ratio Lower Upper
 180 100
 182 90.4 76.8 115.2
 145 34.9 23.8 35.6



Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 145.00 (144.70 to 145.70): V





#70
 1,2,3-Trichlorobenzene
 Concen: 1.443 ug/L
 RT: 13.99 min Scan# 4169
 Delta R.T. 0.01 min
 Lab File: VU026159.D
 Acq: 15 Aug 2018 20:23

Instrument :
 MSVOA_U
 ClientSampleId :
 MDL04

Tgt Ion	Resp	Lower	Upper
180	100		
182	100.9	77.1	115.7
145	27.9	25.1	37.7

