

Data File : VU033540.D
Acq On : 01 Aug 2019 10:54
Operator : JC/SP
Sample : MDL03
Misc : 5.00g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
MDL03

Quant Time: Aug 02 01:53:36 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM073119WMA.M
Quant Title : VOC Analysis
QLast Update : Fri Aug 02 01:49:55 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.87	114	299533	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.07	117	294013	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.47	152	140530	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	102834	47.22	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	94.44%
7) Chloroethane-d5	1.67	69	103200	55.23	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	110.46%
11) 1,1-Dichloroethene-d2	2.26	63	146564	37.08	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	74.16%
21) 2-Butanone-d5	4.16	46	176230	122.18	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	122.18%
24) Chloroform-d	4.62	84	193826	53.10	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	106.20%
26) 1,2-Dichloroethane-d4	5.29	65	127097	54.98	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	109.96%
32) Benzene-d6	5.32	84	391258	53.68	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	107.36%
36) 1,2-Dichloropropane-d6	6.31	67	126942	55.56	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	111.12%
41) Toluene-d8	7.55	98	349490	51.17	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	102.34%
43) trans-1,3-Dichloropropene-	7.83	79	58675	51.77	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	103.54%
47) 2-Hexanone-d5	8.30	63	128413	118.38	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	118.38%
57) 1,1,2,2-Tetrachloroethane-	10.41	84	193982	55.06	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	110.12%
64) 1,2-Dichlorobenzene-d4	11.85	152	143677	55.83	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	111.66%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.20	85	6212	2.199 ug/L	93
3) Chloromethane	1.32	50	7445	2.617 ug/L	99
5) Vinyl chloride	1.39	62	8092	2.653 ug/L #	72
6) Bromomethane	1.62	94	4634	1.722 ug/L	89
8) Chloroethane	1.69	64	4876	2.631 ug/L	98
9) Trichlorofluoromethane	1.87	101	9708	2.433 ug/L	95
10) 1,1,2-Trichloro-1,2,2-trif	2.27	101	5651	2.794 ug/L	90
12) 1,1-Dichloroethene	2.27	96	5727	2.952 ug/L #	1
13) Acetone	2.33	43	8551	5.794 ug/L	98
14) Carbon disulfide	2.46	76	14615	2.402 ug/L	97
15) Methyl Acetate	2.61	43	5547	2.361 ug/L	99
16) Methylene chloride	2.68	84	6004	2.710 ug/L	87
17) trans-1,2-Dichloroethene	2.96	96	4854	2.389 ug/L	95
18) Methyl tert-butyl Ether	2.98	73	14185	2.289 ug/L	97
19) 1,1-Dichloroethane	3.42	63	9842	2.580 ug/L #	96
20) cis-1,2-Dichloroethene	4.20	96	5318	2.331 ug/L	97
23) Bromochloromethane	4.52	128	3006	2.526 ug/L	87

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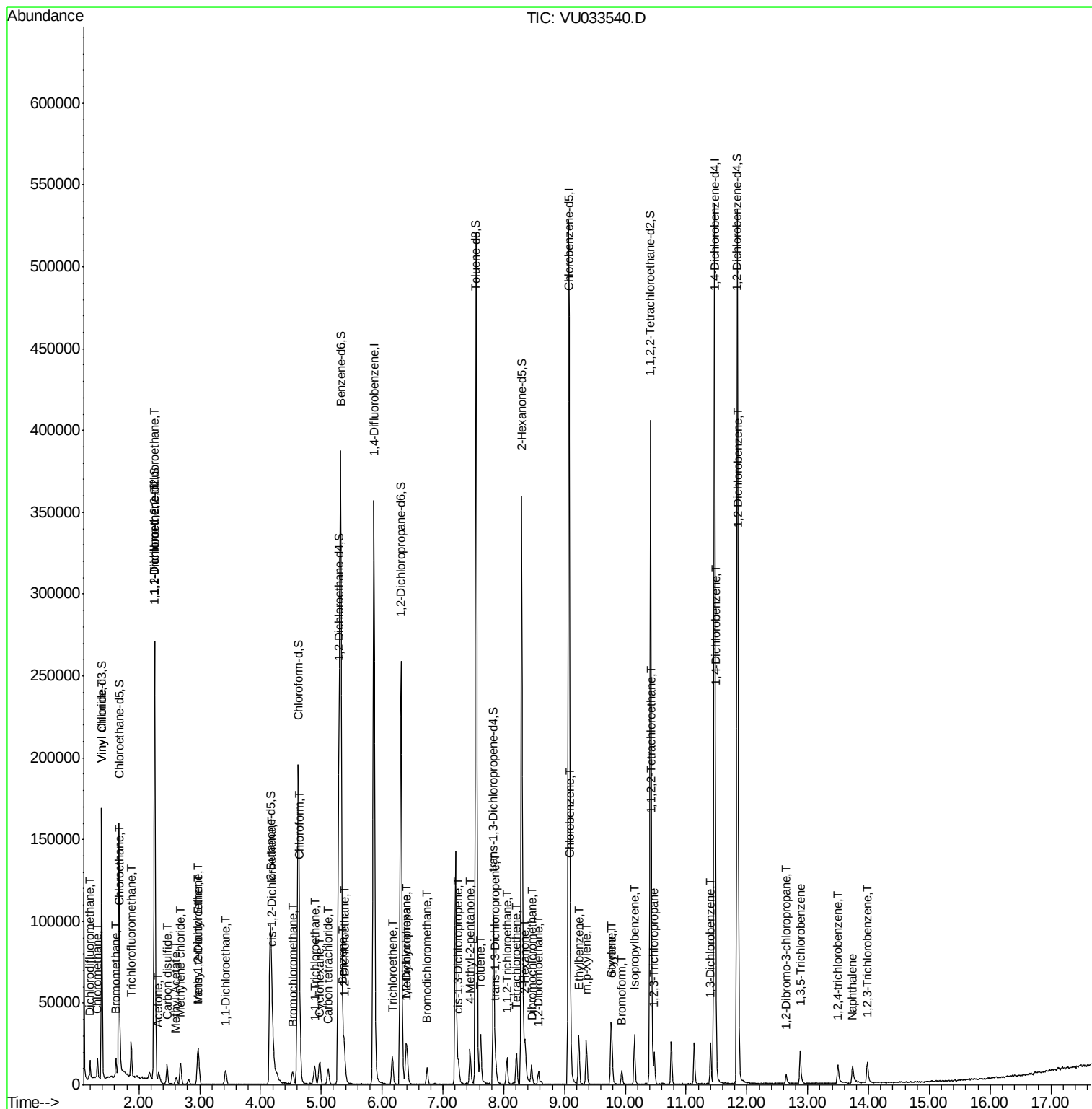
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
25) Chloroform	4.65	83	14018	3.492	ug/L	99
27) 1,2-Dichloroethane	5.39	62	7544	2.441	ug/L	97
29) Cyclohexane	4.97	56	6746	2.104	ug/L	98
30) 1,1,1-Trichloroethane	4.89	97	8625	2.550	ug/L	98
31) Carbon tetrachloride	5.12	117	7167	2.433	ug/L	100
33) Benzene	5.37	78	20227	2.385	ug/L	100
34) Trichloroethene	6.17	95	5872	2.625	ug/L	92
35) Methylcyclohexane	6.40	83	7549	2.162	ug/L	94
37) 1,2-Dichloropropane	6.41	63	5966	2.628	ug/L #	95
38) Bromodichloromethane	6.74	83	7228	2.463	ug/L	97
39) cis-1,3-Dichloropropene	7.25	75	8209	2.317	ug/L	95
40) 4-Methyl-2-pentanone	7.45	43	14672	4.681	ug/L	97
42) Toluene	7.62	91	23073	2.530	ug/L	97
44) trans-1,3-Dichloropropene	7.87	75	7624	2.381	ug/L	97
45) 1,1,2-Trichloroethane	8.05	97	5146	2.388	ug/L	97
46) Tetrachloroethene	8.21	164	4441	2.431	ug/L	96
48) 2-Hexanone	8.35	43	14224	5.614	ug/L	96
49) Dibromochloromethane	8.46	129	6087	2.482	ug/L	90
50) 1,2-Dibromoethane	8.57	107	5985	2.507	ug/L	99
51) Chlorobenzene	9.10	112	14732	2.467	ug/L	98
52) Ethylbenzene	9.23	91	21959	2.236	ug/L	100
53) m,p-Xylene	9.36	106	8309	2.204	ug/L	91
54) o-xylene	9.76	106	7493	2.049	ug/L	98
55) Styrene	9.78	104	11973	1.928	ug/L	97
56) Isopropylbenzene	10.15	105	18744	1.961	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.44	83	10528	2.708	ug/L #	97
59) 1,2,3-Trichloropropane	10.48	75	7881	2.630	ug/L	98
61) Bromoform	9.95	173	4496	2.649	ug/L #	91
62) 1,3-Dichlorobenzene	11.40	146	10447	2.421	ug/L	98
63) 1,4-Dichlorobenzene	11.49	146	11764	2.624	ug/L	96
65) 1,2-Dichlorobenzene	11.86	146	11673	2.675	ug/L	95
66) 1,2-Dibromo-3-chloropropan	12.64	75	1904	2.362	ug/L	87
67) 1,3,5-Trichlorobenzene	12.88	180	7431	2.134	ug/L	96
68) 1,2,4-trichlorobenzene	13.50	180	5263	1.769	ug/L #	89
69) Naphthalene	13.74	128	12640	1.481	ug/L #	93
70) 1,2,3-Trichlorobenzene	13.98	180	6377	2.038	ug/L #	91

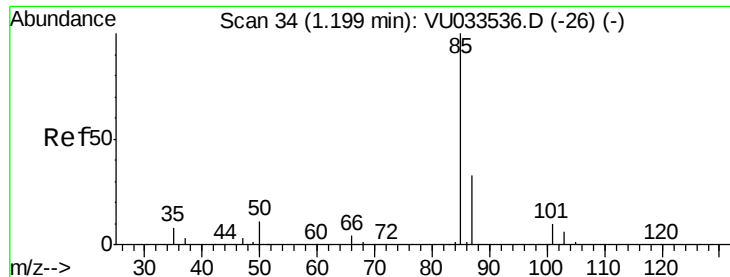
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 2.199 ug/L

RT: 1.20 min Scan# 33

Delta R.T. -0.00 min

Lab File: VU033540.D

Acq: 01 Aug 2019 10:54

Instrument :

MSVOA_U

ClientSampleId :

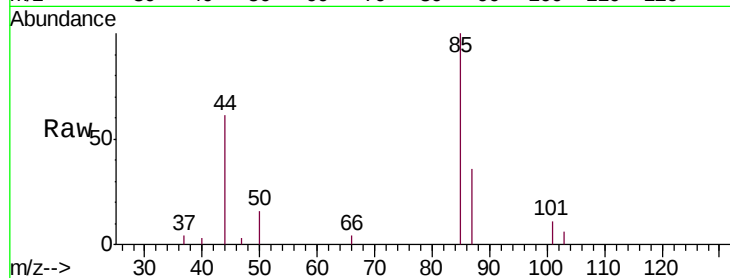
MDL03

Tgt Ion: 85 Resp: 6212

Ion Ratio Lower Upper

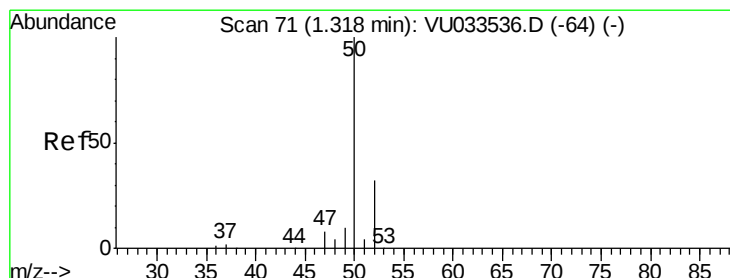
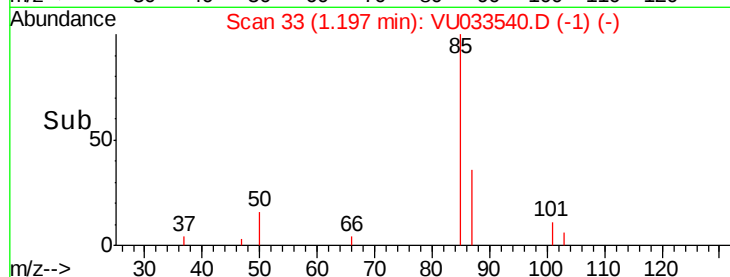
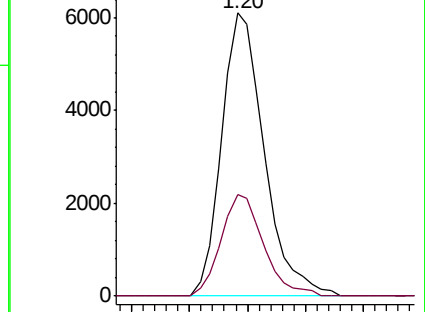
85 100

87 35.8 25.4 38.2



Abundance Ion 85.00 (84.70 to 85.70): VU033536.D (-26) (-)

Ion 87.00 (86.70 to 87.70): VU033536.D (-26) (-)



#3

Chloromethane

Concen: 2.617 ug/L

RT: 1.32 min Scan# 71

Delta R.T. 0.00 min

Lab File: VU033540.D

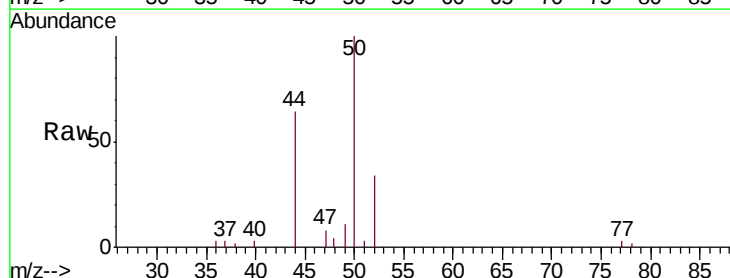
Acq: 01 Aug 2019 10:54

Tgt Ion: 50 Resp: 7445

Ion Ratio Lower Upper

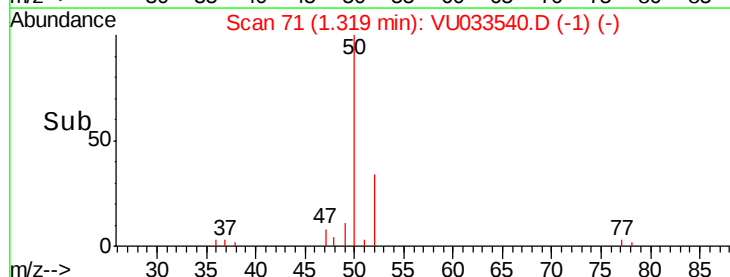
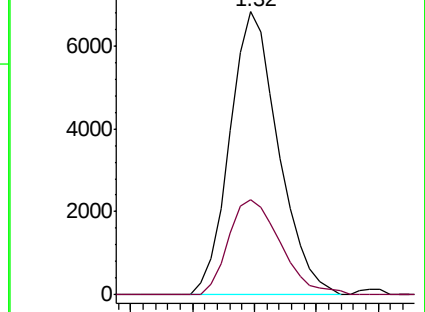
50 100

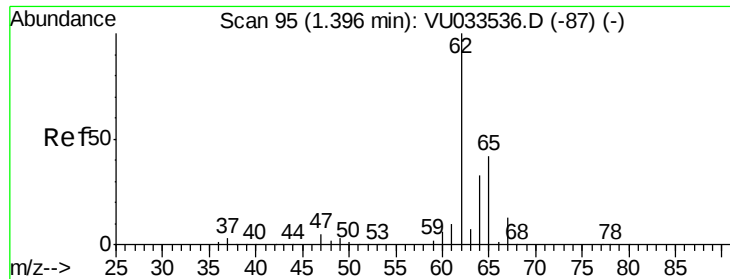
52 33.8 23.1 42.9



Abundance Ion 50.00 (49.70 to 50.70): VU033536.D (-64) (-)

Ion 52.00 (51.70 to 52.70): VU033536.D (-64) (-)





#5

Vinyl chloride

Concen: 2.653 ug/L

RT: 1.39 min Scan# 94

Delta R.T. -0.00 min

Lab File: VU033540.D

Acq: 01 Aug 2019 10:54

Instrument :

MSVOA_U

ClientSampleId :

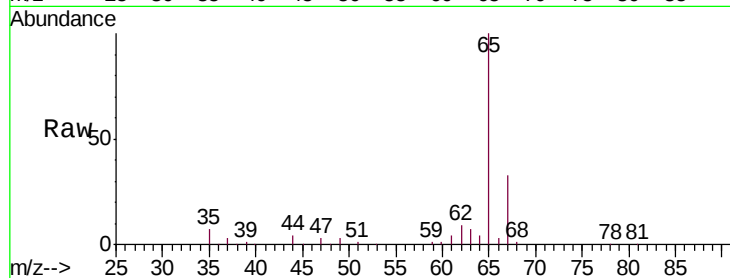
MDL03

Tgt Ion: 62 Resp: 8092

Ion Ratio Lower Upper

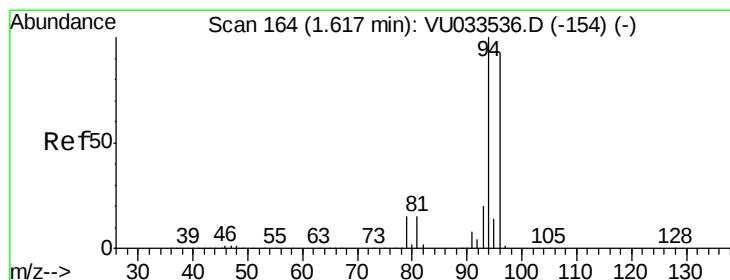
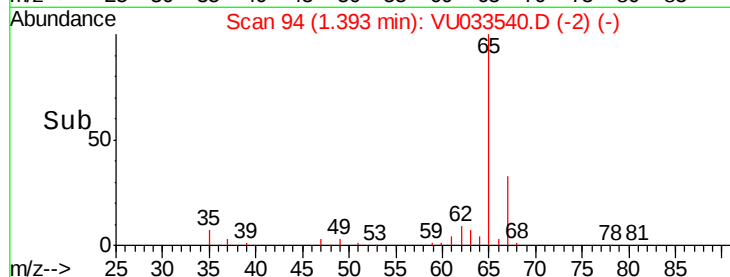
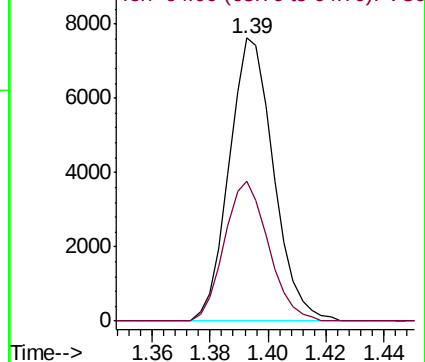
62 100

64 49.3 23.4 43.4#



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 64.00 (63.70 to 64.70): VU0



#6

Bromomethane

Concen: 1.722 ug/L

RT: 1.62 min Scan# 166

Delta R.T. 0.01 min

Lab File: VU033540.D

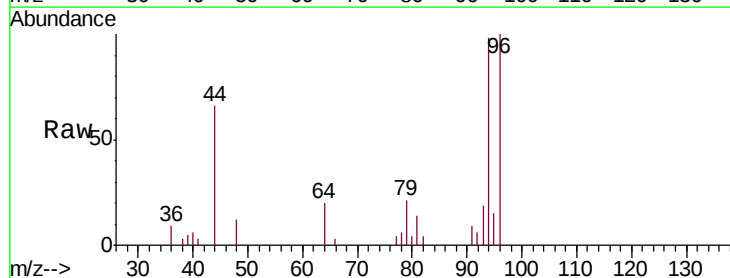
Acq: 01 Aug 2019 10:54

Tgt Ion: 94 Resp: 4634

Ion Ratio Lower Upper

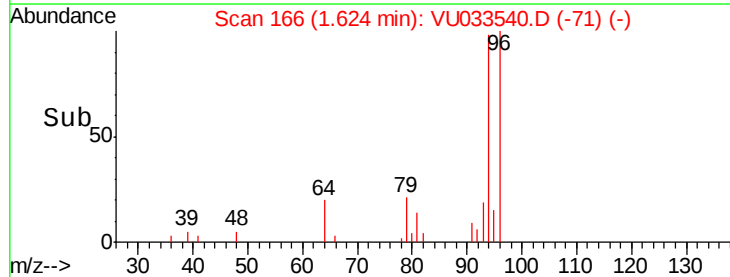
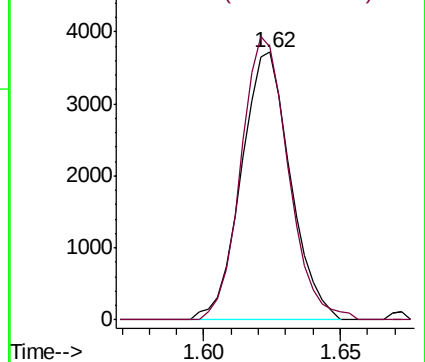
94 100

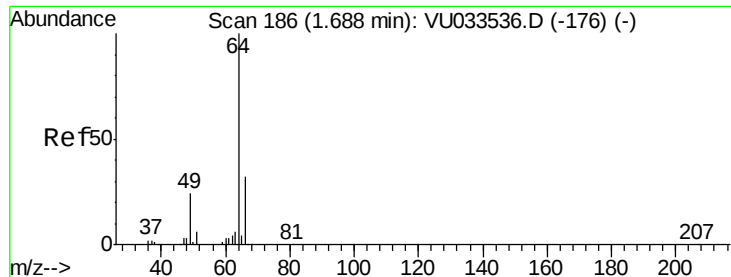
96 102.2 64.4 119.6



Abundance Ion 94.00 (93.70 to 94.70): VU0

Ion 96.00 (95.70 to 96.70): VU0





#8

Chloroethane

Concen: 2.631 ug/L

RT: 1.69 min Scan# 187

Delta R.T. 0.00 min

Lab File: VU033540.D

Acq: 01 Aug 2019 10:54

Instrument :

MSVOA_U

ClientSampled :

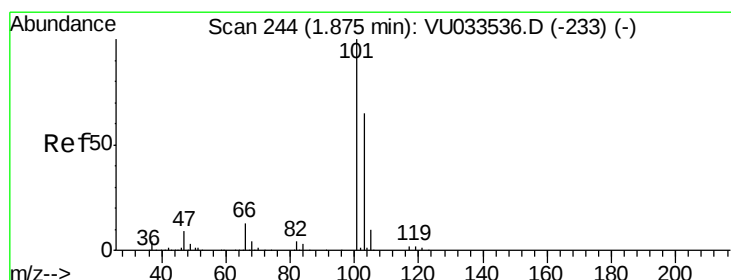
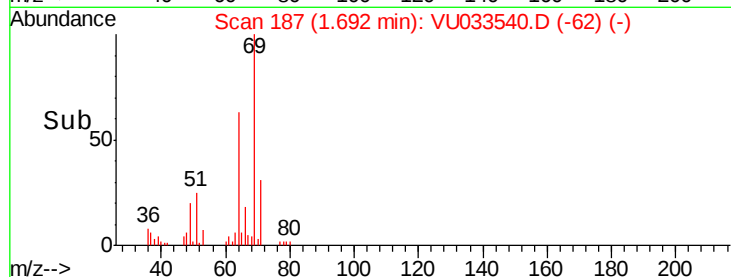
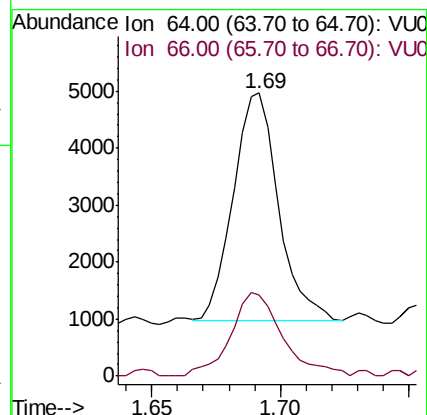
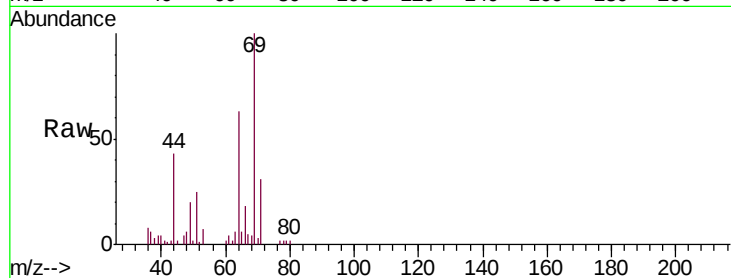
MDL03

Tgt Ion: 64 Resp: 4876

Ion Ratio Lower Upper

64 100

66 28.9 21.1 39.3



#9

Trichlorofluoromethane

Concen: 2.433 ug/L

RT: 1.87 min Scan# 244

Delta R.T. 0.00 min

Lab File: VU033540.D

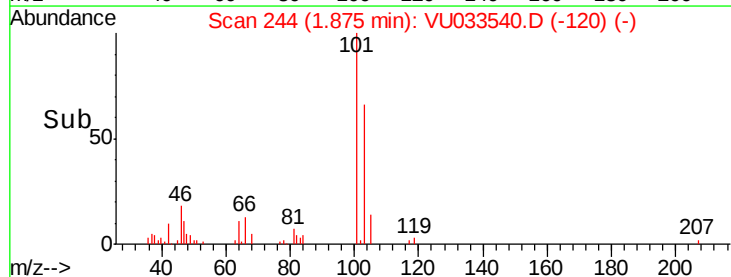
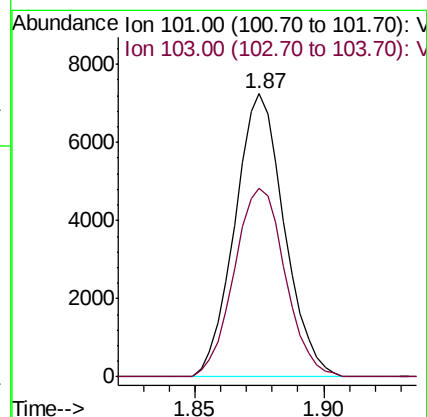
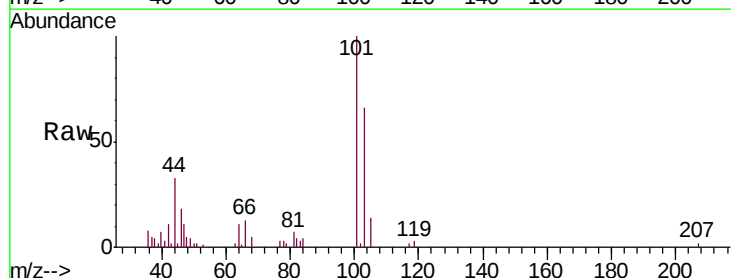
Acq: 01 Aug 2019 10:54

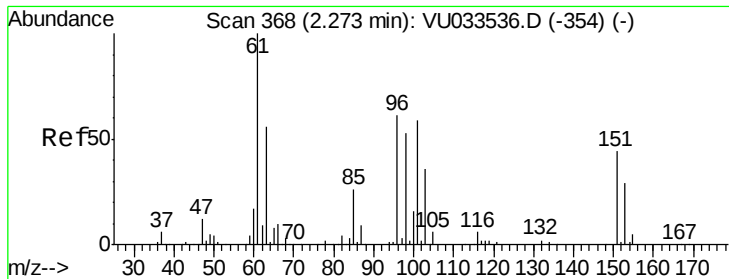
Tgt Ion: 101 Resp: 9708

Ion Ratio Lower Upper

101 100

103 68.7 51.6 77.4





#10

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

Concen: 2.794 ug/L

RT: 2.27 min Scan# 367

Delta R.T. -0.00 min

Lab File: VU033540.D

Acq: 01 Aug 2019 10:54

Instrument :

MSVOA_U

ClientSampleId :

MDL03

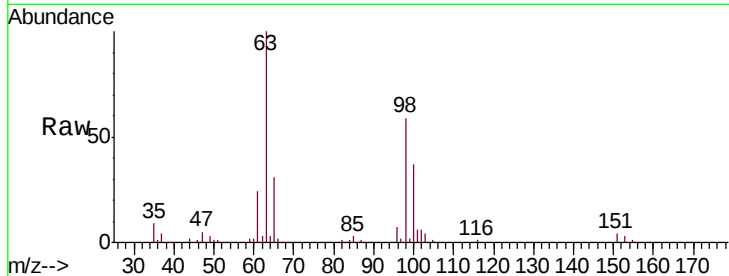
Tgt Ion:101 Resp: 5651

Ion Ratio Lower Upper

101 100

85 37.2 35.8 53.8

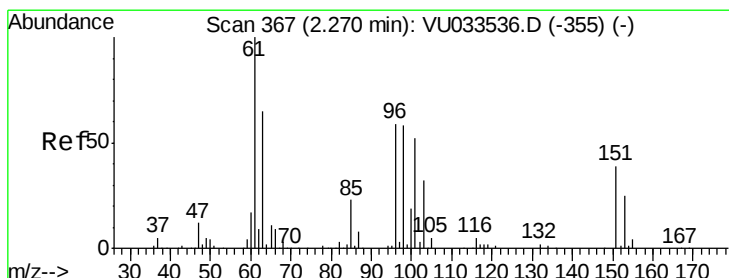
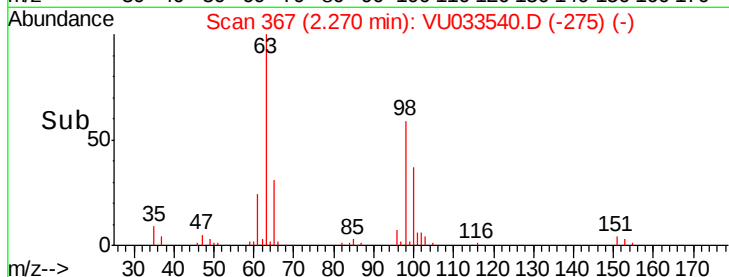
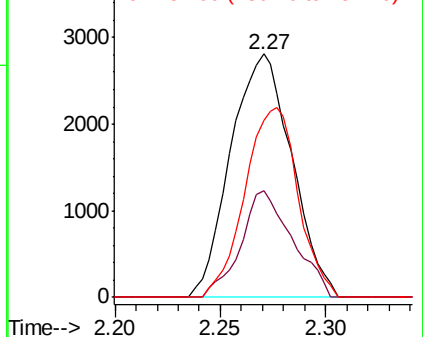
151 68.0 60.1 90.1



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VU0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 2.952 ug/L

RT: 2.27 min Scan# 366

Delta R.T. -0.00 min

Lab File: VU033540.D

Acq: 01 Aug 2019 10:54

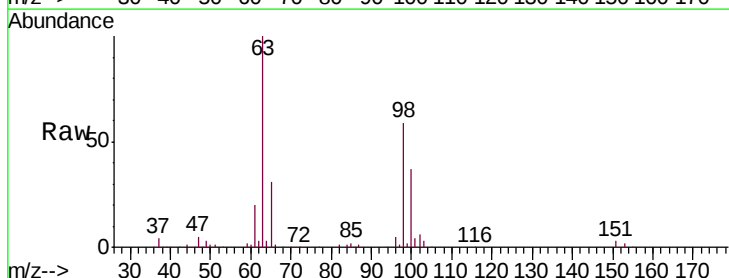
Tgt Ion: 96 Resp: 5727

Ion Ratio Lower Upper

96 100

61 364.8 119.3 221.5#

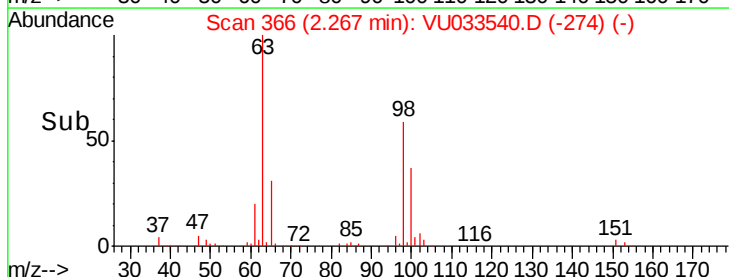
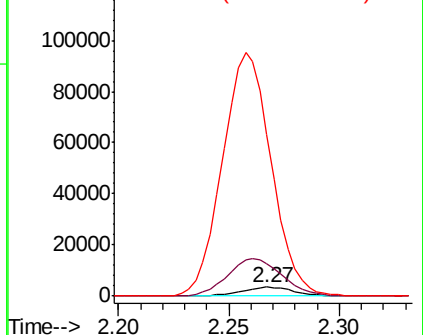
63 1835.0 86.6 160.8#

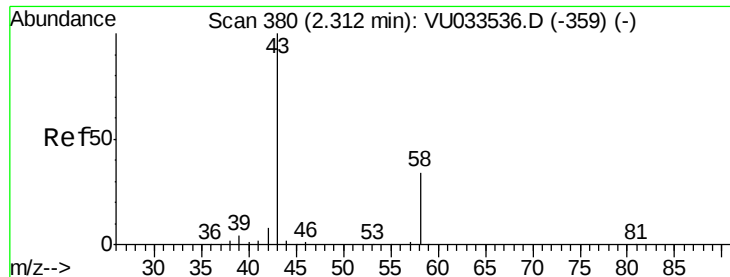


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 5.794 ug/L

RT: 2.33 min Scan# 386

Delta R.T. 0.02 min

Lab File: VU033540.D

Acq: 01 Aug 2019 10:54

Instrument :

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ClientSampleId :

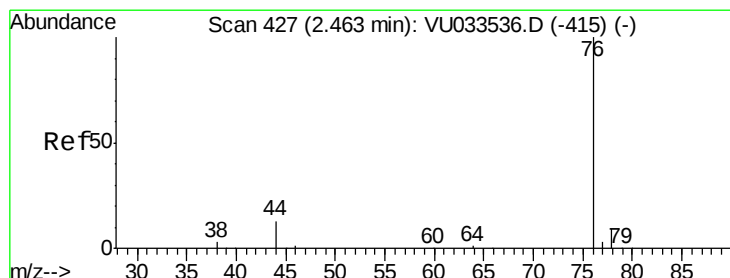
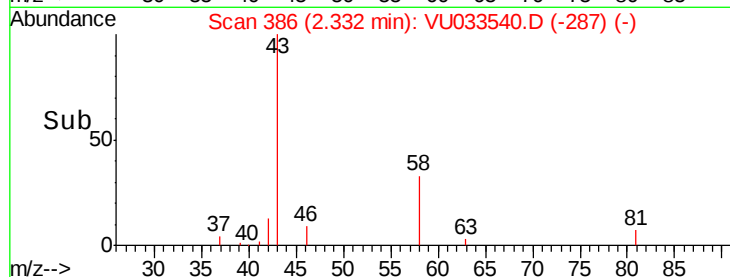
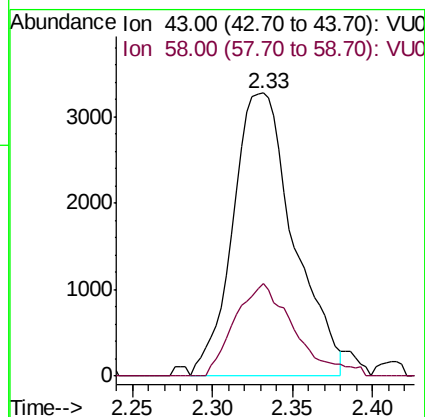
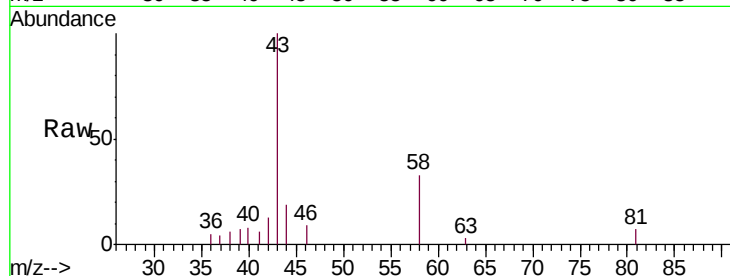
MDL03

Tgt Ion: 43 Resp: 8551

Ion Ratio Lower Upper

43 100

58 31.9 0.0 66.2



#14

Carbon disulfide

Concen: 2.402 ug/L

RT: 2.46 min Scan# 427

Delta R.T. 0.00 min

Lab File: VU033540.D

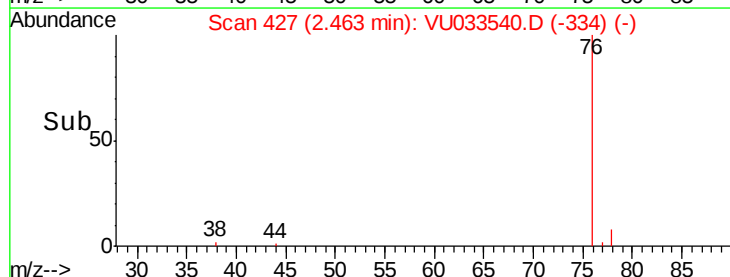
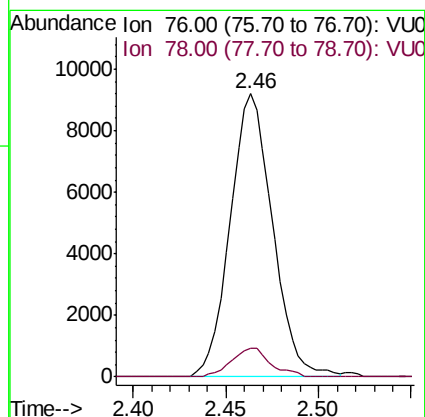
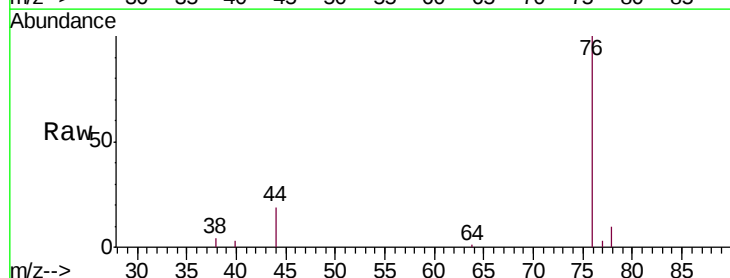
Acq: 01 Aug 2019 10:54

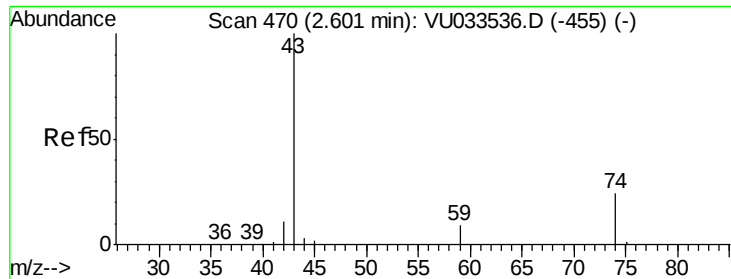
Tgt Ion: 76 Resp: 14615

Ion Ratio Lower Upper

76 100

78 10.3 7.4 11.0

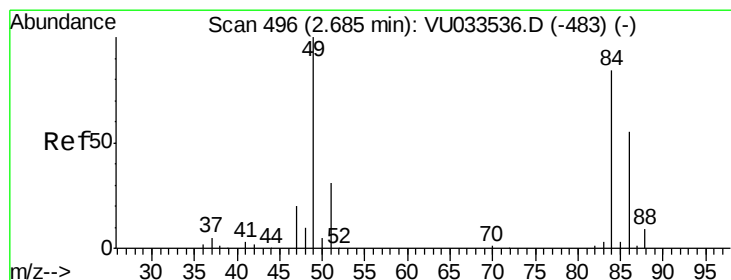
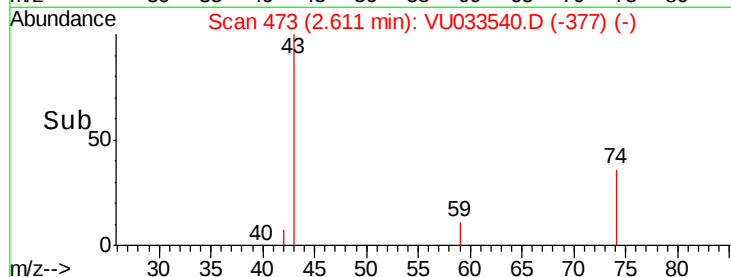
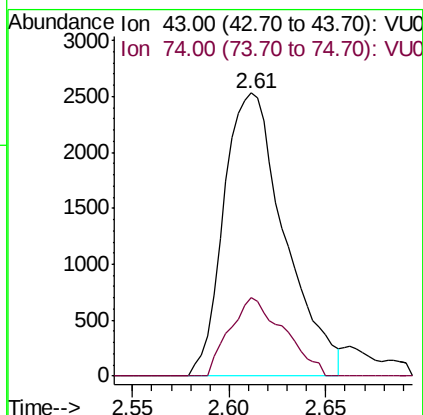
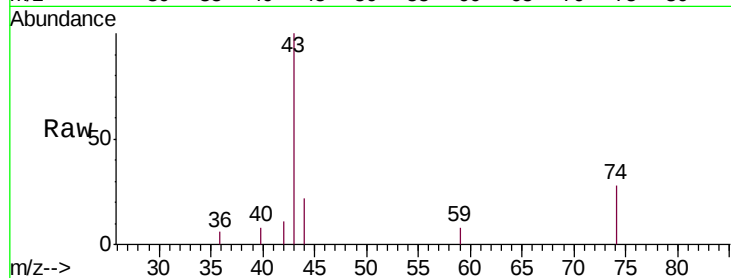




#15
Methyl Acetate
Concen: 2.361 ug/L
RT: 2.61 min Scan# 473
Delta R.T. 0.01 min
Lab File: VU033540.D
Acq: 01 Aug 2019 10:54

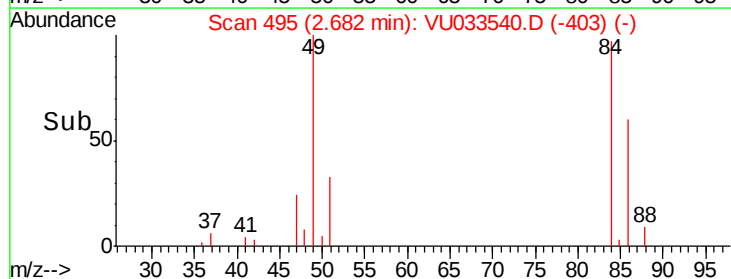
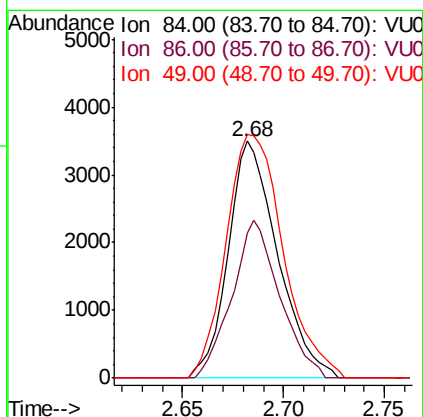
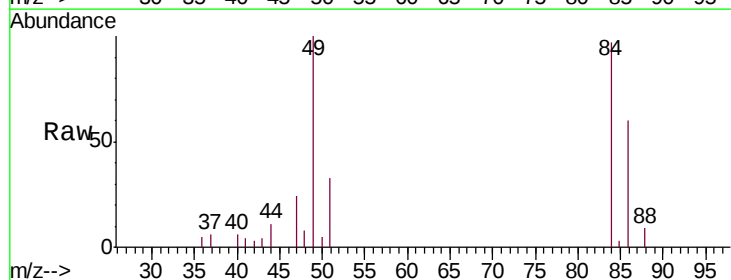
Instrument :
MSVOA_U
ClientSampleId :
MDL03

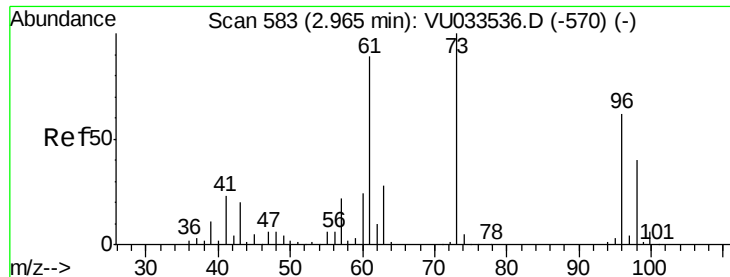
Tgt Ion: 43 Resp: 5547
Ion Ratio Lower Upper
43 100
74 24.7 20.1 30.1



#16
Methylene chloride
Concen: 2.710 ug/L
RT: 2.68 min Scan# 495
Delta R.T. -0.00 min
Lab File: VU033540.D
Acq: 01 Aug 2019 10:54

Tgt Ion: 84 Resp: 6004
Ion Ratio Lower Upper
84 100
86 61.1 45.7 84.9
49 102.7 85.0 158.0





#17

trans-1,2-Dichloroethene

Concen: 2.389 ug/L

RT: 2.96 min Scan# 583

Delta R.T. 0.00 min

Lab File: VU033540.D

Acq: 01 Aug 2019 10:54

Instrument :

MSVOA_U

ClientSampleId :

MDL03

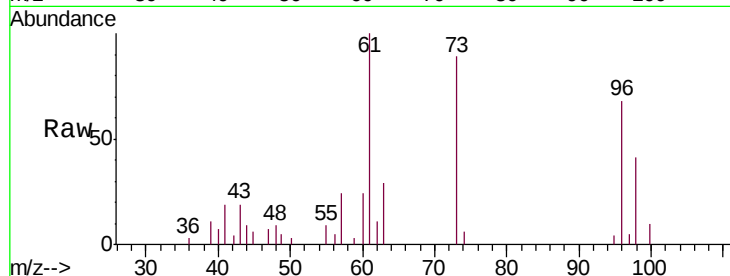
Tgt Ion: 96 Resp: 4854

Ion Ratio Lower Upper

96 100

61 146.8 98.3 182.5

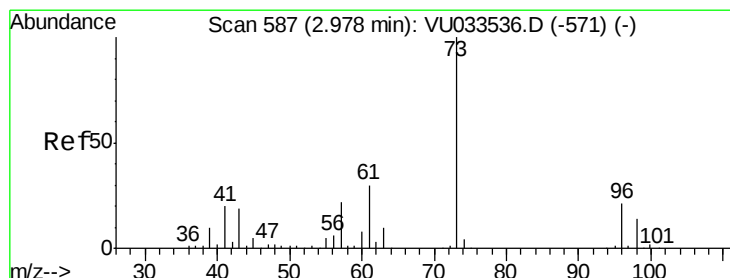
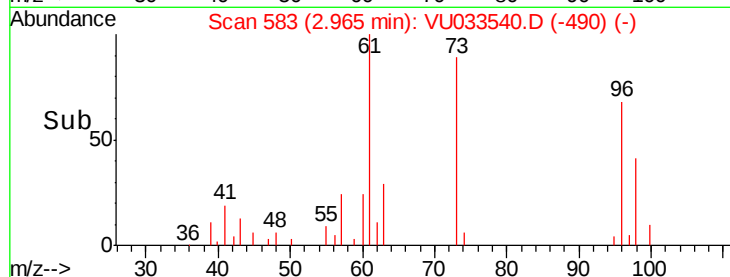
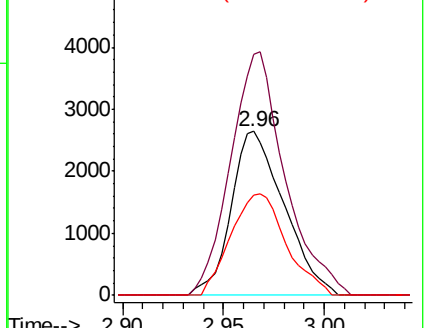
98 60.8 44.3 82.3



Abundance Ion 96.00 (95.70 to 96.70): VU033536.D (-570) (-)

Ion 61.00 (60.70 to 61.70): VU033536.D (-570) (-)

Ion 98.00 (97.70 to 98.70): VU033536.D (-570) (-)



#18

Methyl tert-butyl Ether

Concen: 2.289 ug/L

RT: 2.98 min Scan# 589

Delta R.T. 0.01 min

Lab File: VU033540.D

Acq: 01 Aug 2019 10:54

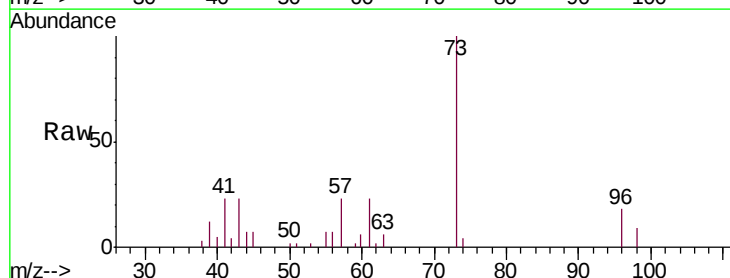
Tgt Ion: 73 Resp: 14185

Ion Ratio Lower Upper

73 100

43 21.5 15.4 23.2

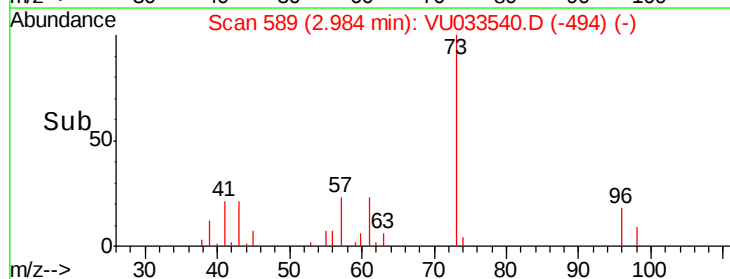
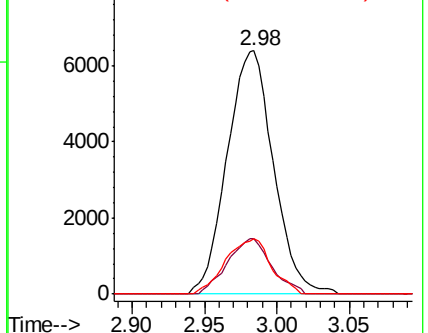
57 22.4 17.4 26.2

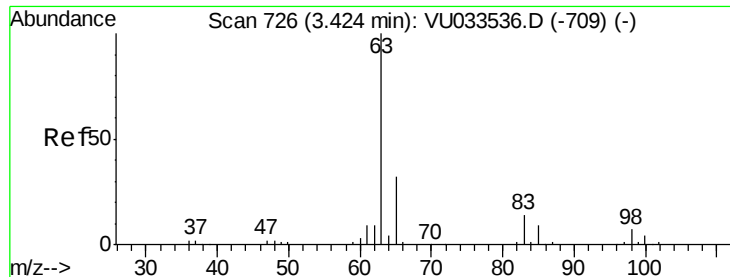


Abundance Ion 73.00 (72.70 to 73.70): VU033536.D (-571) (-)

Ion 43.00 (42.70 to 43.70): VU033536.D (-571) (-)

Ion 57.00 (56.70 to 57.70): VU033536.D (-571) (-)

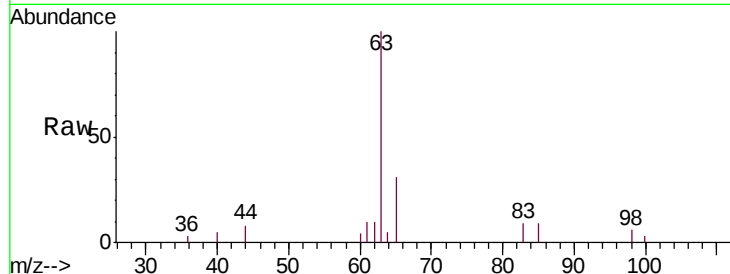




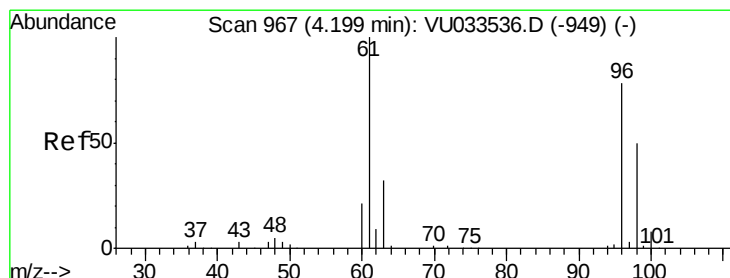
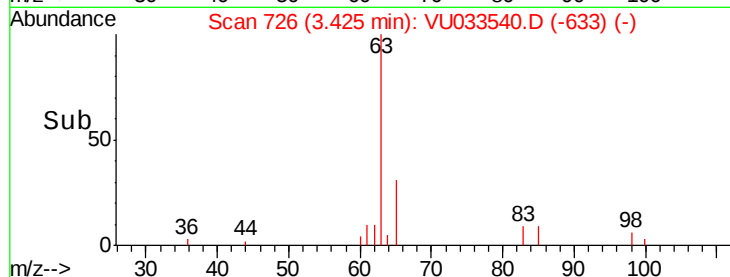
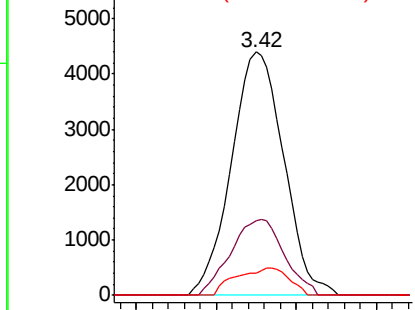
#19
 1,1-Dichloroethane
 Concen: 2.580 ug/L
 RT: 3.42 min Scan# 726
 Delta R.T. 0.00 min
 Lab File: VU033540.D
 Acq: 01 Aug 2019 10:54

Instrument :
 MSVOA_U
 ClientSampleId :
 MDL03

Tgt Ion: 63 Resp: 9842
 Ion Ratio Lower Upper
 63 100
 65 30.5 22.0 40.8
 83 9.3 9.5 17.7#

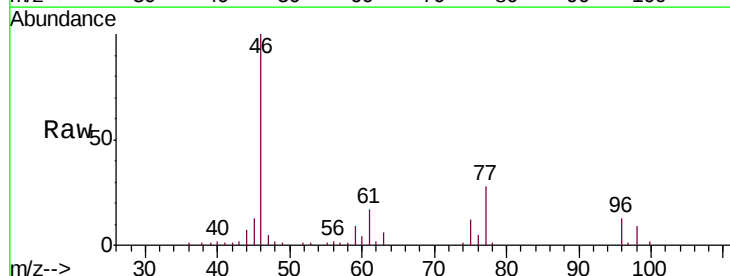


Abundance Ion 63.00 (62.70 to 63.70): VU0
 Ion 65.00 (64.70 to 65.70): VU0
 Ion 83.00 (82.70 to 83.70): VU0

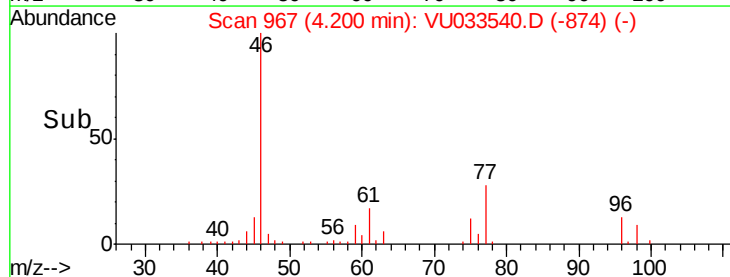
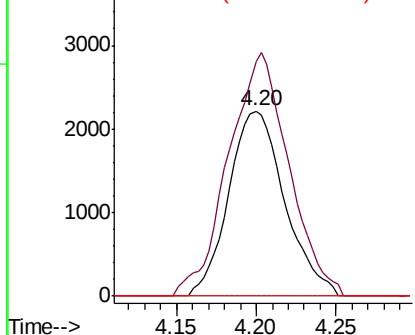


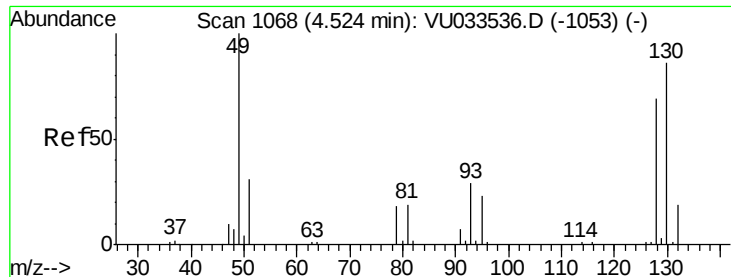
#20
 cis-1,2-Dichloroethene
 Concen: 2.331 ug/L
 RT: 4.20 min Scan# 967
 Delta R.T. 0.00 min
 Lab File: VU033540.D
 Acq: 01 Aug 2019 10:54

Tgt Ion: 96 Resp: 5318
 Ion Ratio Lower Upper
 96 100
 61 127.1 91.3 169.6
 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





#23

Bromochloromethane

Concen: 2.526 ug/L

RT: 4.52 min Scan# 1068

Delta R.T. 0.00 min

Lab File: VU033540.D

Acq: 01 Aug 2019 10:54

Instrument :

MSVOA_U

ClientSampleId :

MDL03

Tgt Ion: 128 Resp: 3006

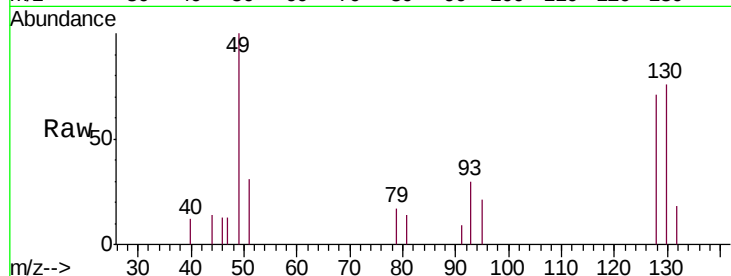
Ion Ratio Lower Upper

128 100

49 141.6 108.4 201.2

130 107.7 89.7 166.5

51 44.1 38.9 58.3

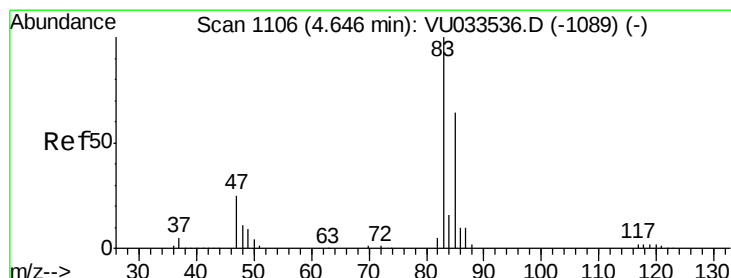
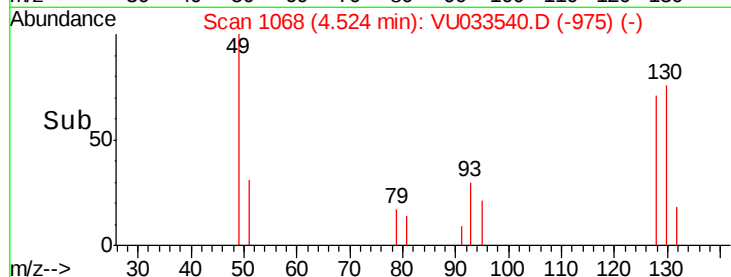
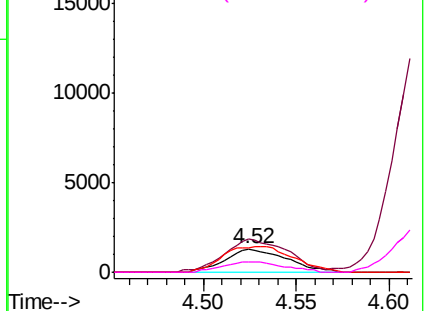


Abundance Ion 128.00 (127.70 to 128.70): V

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



#25

Chloroform

Concen: 3.492 ug/L

RT: 4.65 min Scan# 1107

Delta R.T. 0.00 min

Lab File: VU033540.D

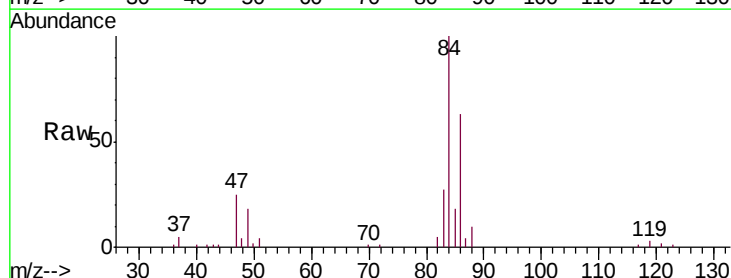
Acq: 01 Aug 2019 10:54

Tgt Ion: 83 Resp: 14018

Ion Ratio Lower Upper

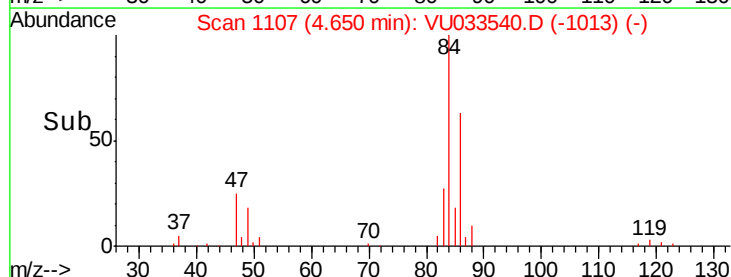
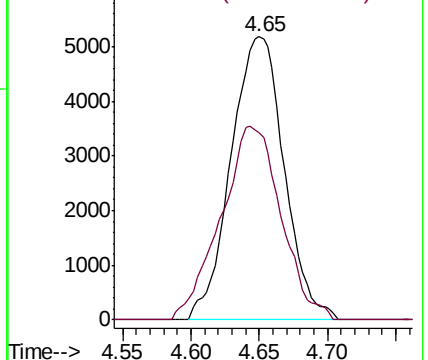
83 100

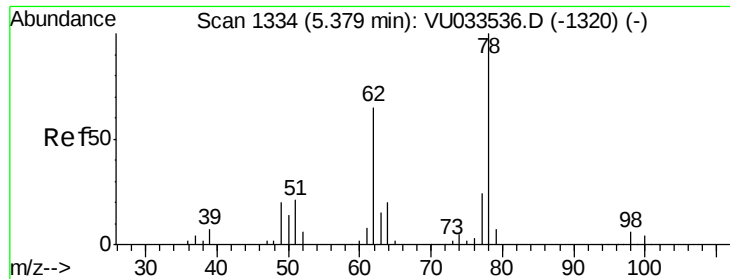
85 66.3 45.6 84.8



Abundance Ion 83.00 (82.70 to 83.70): VU0

Ion 85.00 (84.70 to 85.70): VU0





#27

1,2-Dichloroethane

Concen: 2.441 ug/L

RT: 5.39 min Scan# 1336

Delta R.T. 0.01 min

Lab File: VU033540.D

Acq: 01 Aug 2019 10:54

Instrument :

MSVOA_U

ClientSampleId :

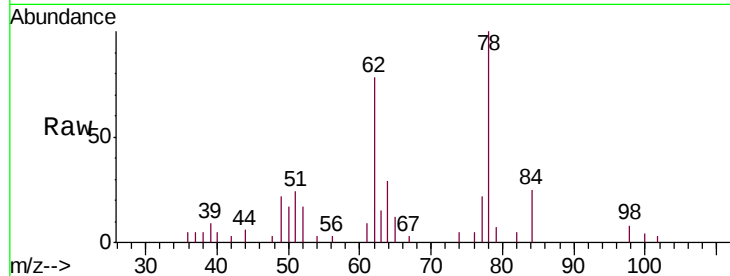
MDL03

Tgt Ion: 62 Resp: 7544

Ion Ratio Lower Upper

62 100

98 10.2 7.2 10.8



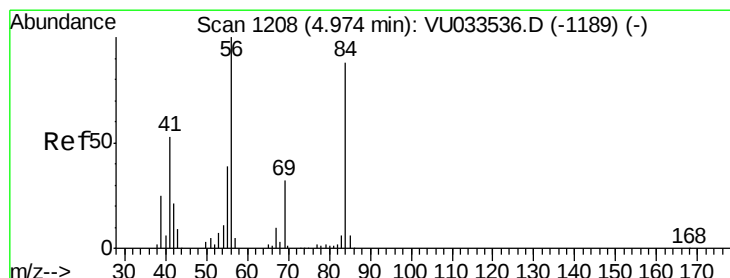
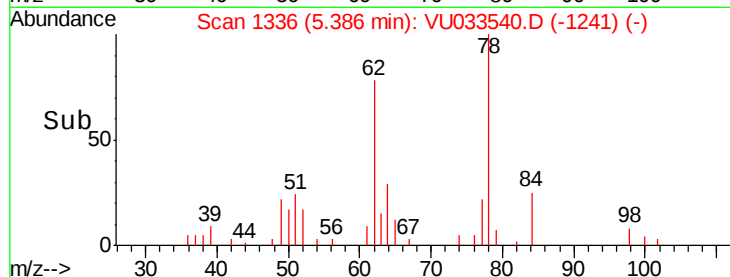
Abundance Ion 62.00 (61.70 to 62.70): VU033536.D (-1320) (-)

Ion 98.00 (97.70 to 98.70): VU033536.D (-1320) (-)

5.39

5.35 5.40 5.45

Time-->



#29

Cyclohexane

Concen: 2.104 ug/L

RT: 4.97 min Scan# 1208

Delta R.T. 0.00 min

Lab File: VU033540.D

Acq: 01 Aug 2019 10:54

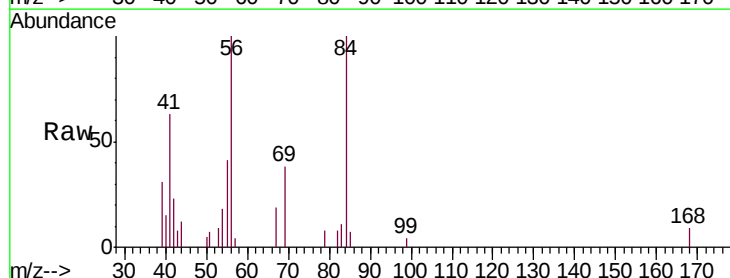
Tgt Ion: 56 Resp: 6746

Ion Ratio Lower Upper

56 100

69 30.8 25.0 37.6

84 91.3 71.6 107.4



Abundance Ion 56.00 (55.70 to 56.70): VU033536.D (-1189) (-)

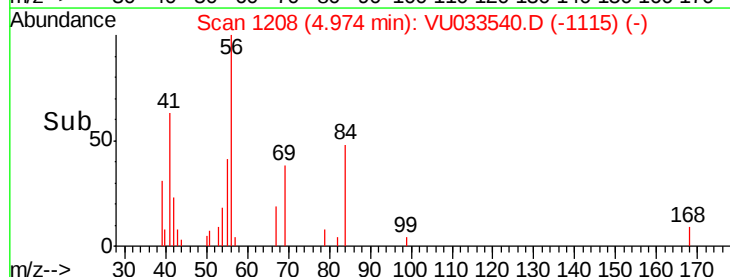
Ion 69.00 (68.70 to 69.70): VU033536.D (-1189) (-)

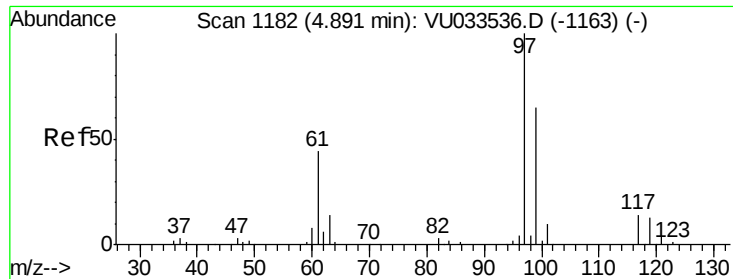
Ion 84.00 (83.70 to 84.70): VU033536.D (-1189) (-)

4.97

4.90 4.95 5.00 5.05

Time-->

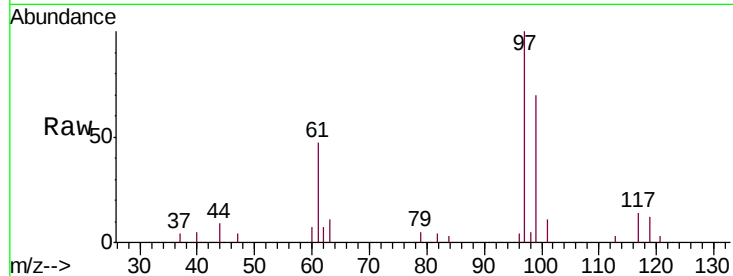




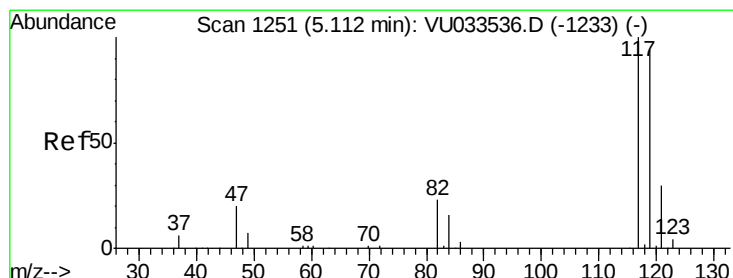
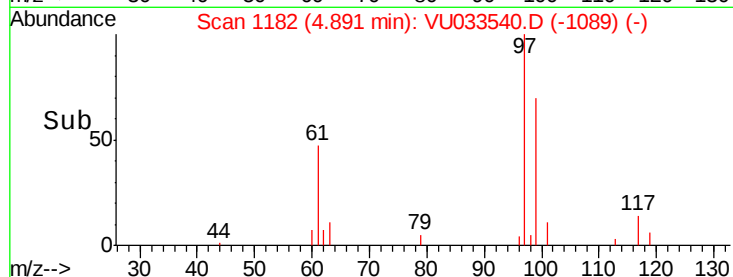
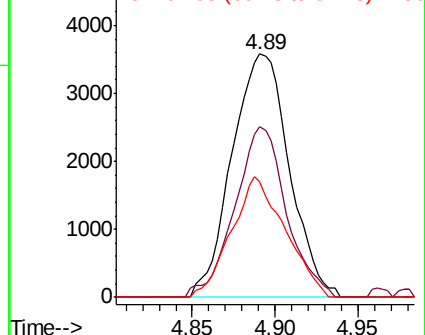
#30
 1,1,1-Trichloroethane
 Concen: 2.550 ug/L
 RT: 4.89 min Scan# 1182
 Delta R.T. 0.00 min
 Lab File: VU033540.D
 Acq: 01 Aug 2019 10:54

Instrument :
 MSVOA_U
 ClientSampleId :
 MDL03

Tgt Ion: 97 Resp: 8625
 Ion Ratio Lower Upper
 97 100
 99 63.1 51.1 76.7
 61 46.5 35.5 53.3

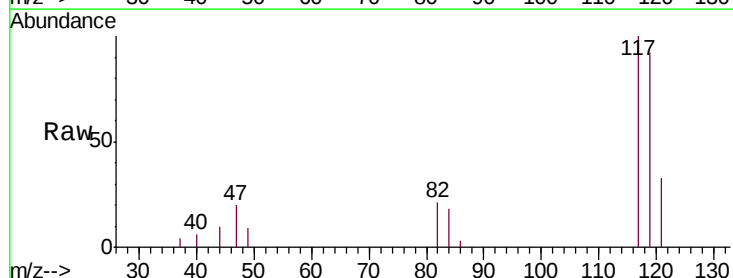


Abundance Ion 97.00 (96.70 to 97.70): VU0
 Ion 99.00 (98.70 to 99.70): VU0
 Ion 61.05 (60.75 to 61.75): VU0

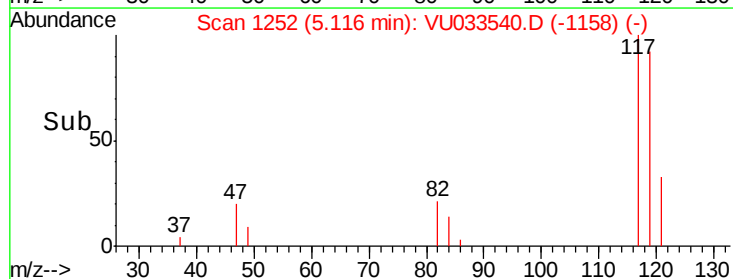
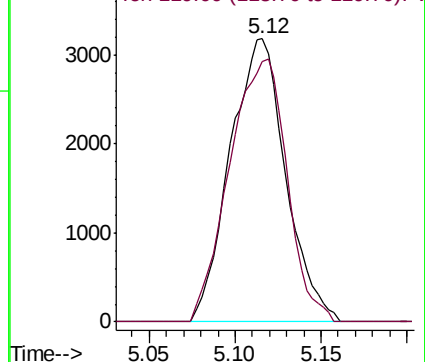


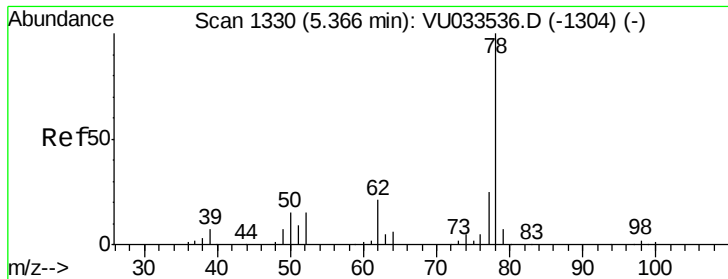
#31
 Carbon tetrachloride
 Concen: 2.433 ug/L
 RT: 5.12 min Scan# 1252
 Delta R.T. 0.00 min
 Lab File: VU033540.D
 Acq: 01 Aug 2019 10:54

Tgt Ion: 117 Resp: 7167
 Ion Ratio Lower Upper
 117 100
 119 95.9 77.0 115.4



Abundance Ion 117.00 (116.70 to 117.70): V
 Ion 119.00 (118.70 to 119.70): V





#33

Benzene

Concen: 2.385 ug/L

RT: 5.37 min Scan# 1330

Delta R.T. 0.00 min

Lab File: VU033540.D

Acq: 01 Aug 2019 10:54

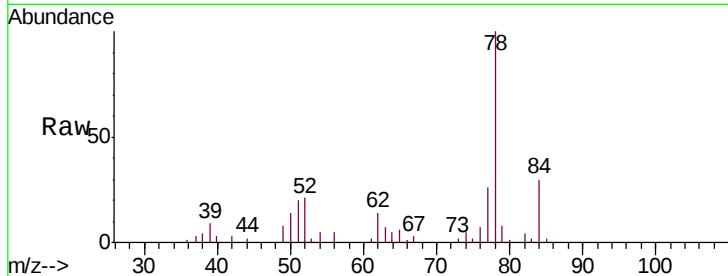
Instrument :

MSVOA_U

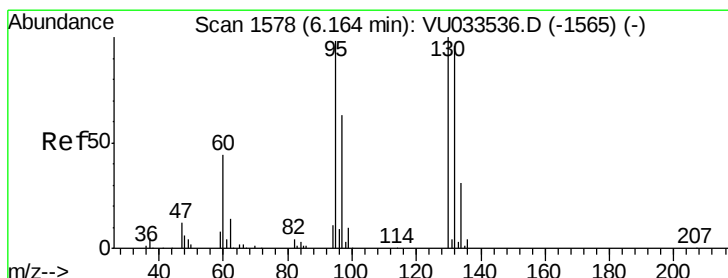
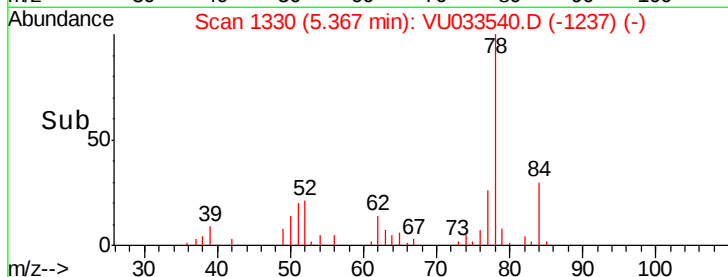
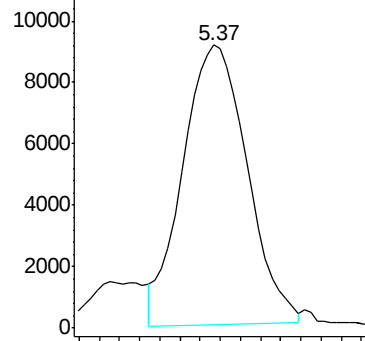
ClientSampled :

MDL03

Tgt Ion: 78 Resp: 20227



Abundance Ion 78.00 (77.70 to 78.70): VU0



#34

Trichloroethene

Concen: 2.625 ug/L

RT: 6.17 min Scan# 1579

Delta R.T. 0.00 min

Lab File: VU033540.D

Acq: 01 Aug 2019 10:54

Tgt Ion: 95 Resp: 5872

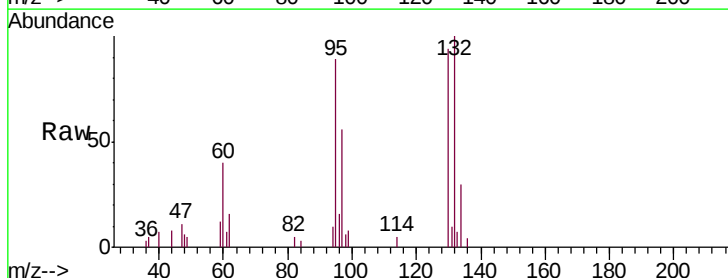
Ion	Ratio	Lower	Upper
95	100		
97	62.4	44.7	83.1
132	111.7	66.8	124.0
130	104.7	71.6	133.0

95 100

97 62.4 44.7 83.1

132 111.7 66.8 124.0

130 104.7 71.6 133.0

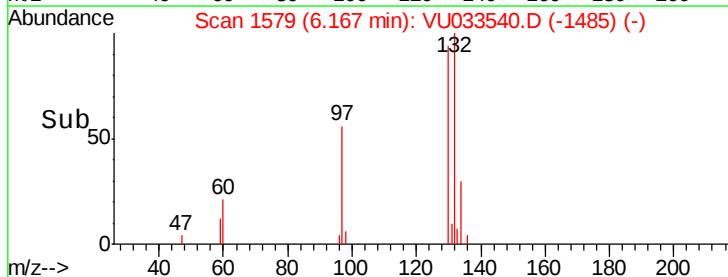
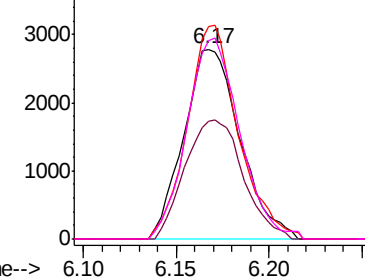


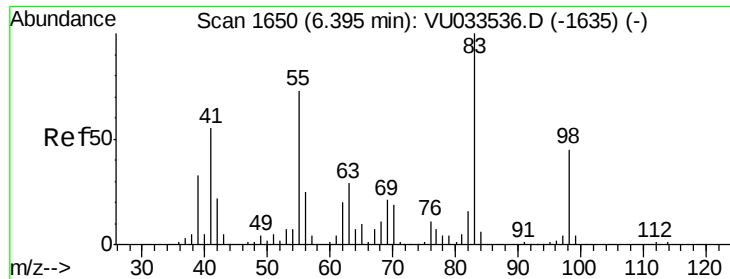
Abundance Ion 95.00 (94.70 to 95.70): VU0

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

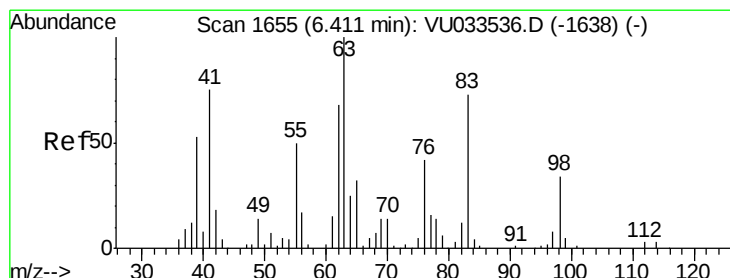
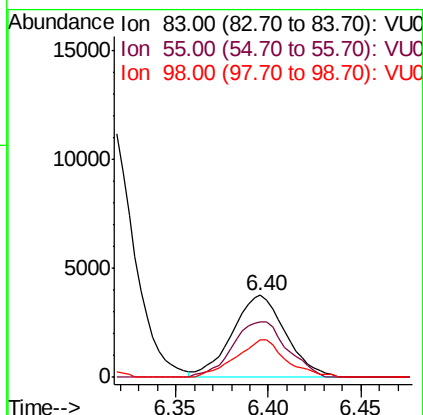
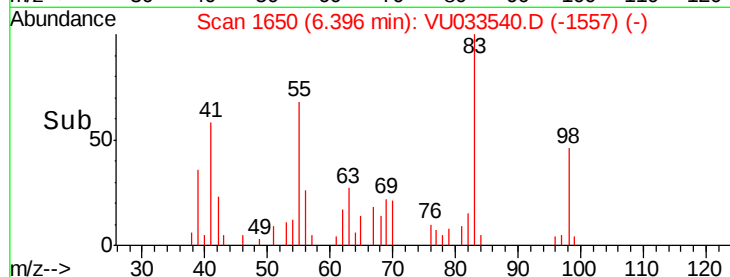
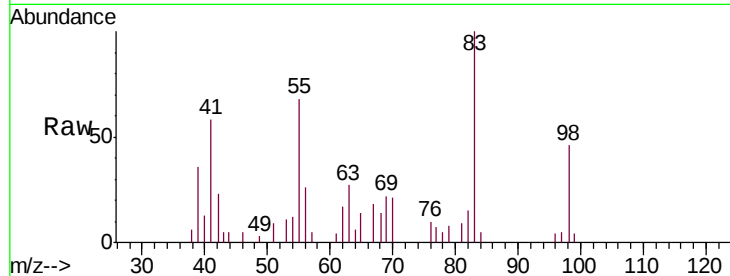




#35
Methylcyclohexane
Concen: 2.162 ug/L
RT: 6.40 min Scan# 1650
Delta R.T. 0.00 min
Lab File: VU033540.D
Acq: 01 Aug 2019 10:54

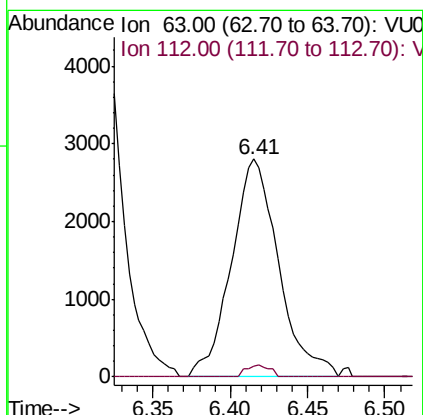
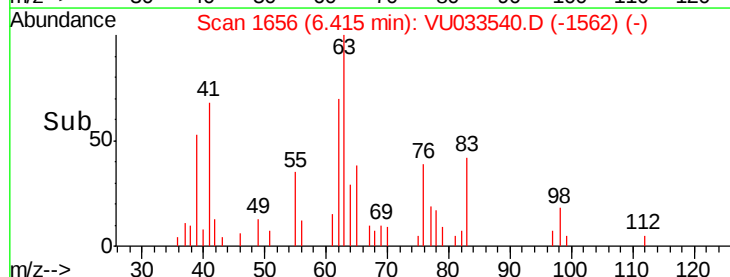
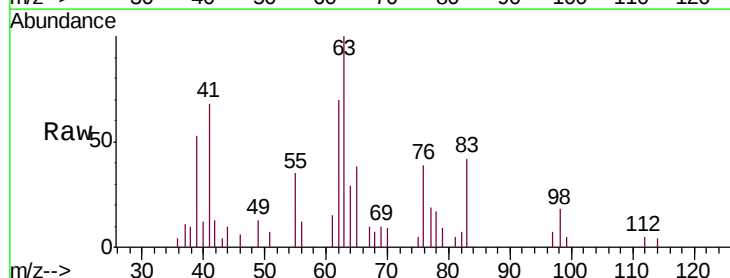
Instrument :
MSVOA_U
ClientSampled :
MDL03

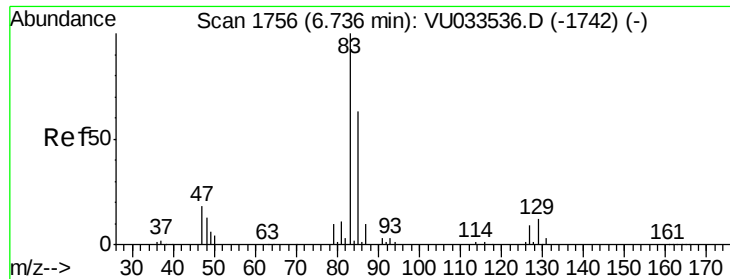
Tgt Ion: 83 Resp: 7549
Ion Ratio Lower Upper
83 100
55 68.8 60.2 90.4
98 43.2 36.5 54.7



#37
1,2-Dichloropropane
Concen: 2.628 ug/L
RT: 6.41 min Scan# 1656
Delta R.T. 0.00 min
Lab File: VU033540.D
Acq: 01 Aug 2019 10:54

Tgt Ion: 63 Resp: 5966
Ion Ratio Lower Upper
63 100
112 2.0 3.0 4.6#





#38

Bromodichloromethane

Concen: 2.463 ug/L

RT: 6.74 min Scan# 1757

Delta R.T. 0.00 min

Lab File: VU033540.D

Acq: 01 Aug 2019 10:54

Instrument :

MSVOA_U

ClientSampleId :

MDL03

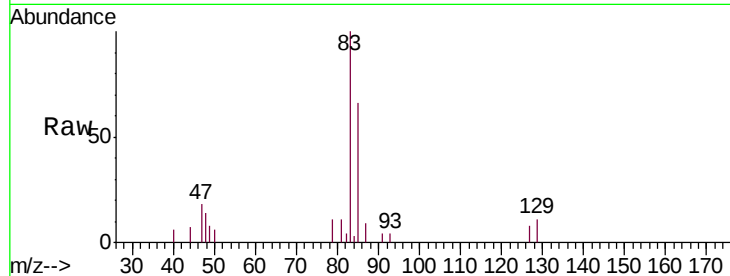
Tgt Ion: 83 Resp: 7228

Ion Ratio Lower Upper

83 100

85 66.5 45.1 83.9

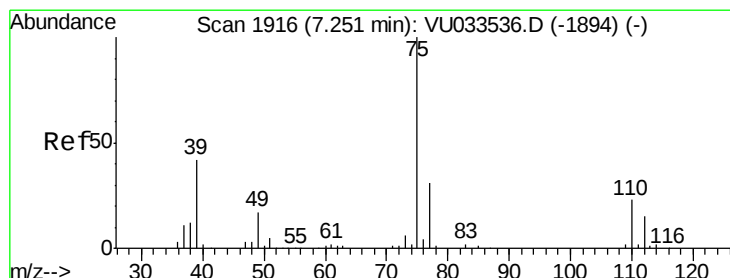
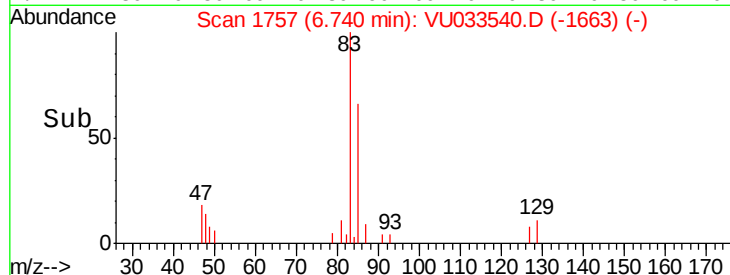
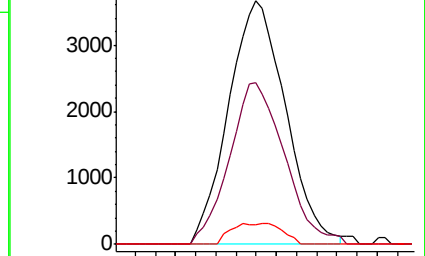
127 7.9 7.2 10.8



Abundance Ion 83.00 (82.70 to 83.70): VU033540.D (-1663) (-)

Ion 85.00 (84.70 to 85.70): VU033540.D (-1663) (-)

Ion 127.00 (126.70 to 127.70): VU033540.D (-1663) (-)



#39

cis-1,3-Dichloropropene

Concen: 2.317 ug/L

RT: 7.25 min Scan# 1917

Delta R.T. 0.00 min

Lab File: VU033540.D

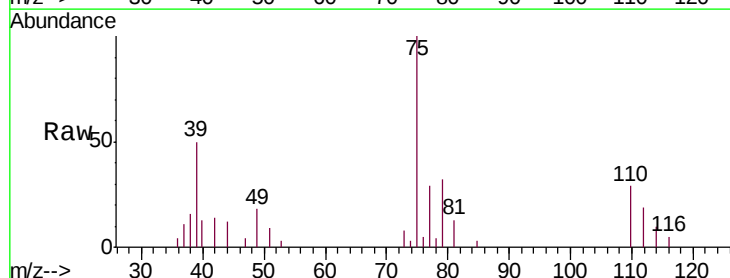
Acq: 01 Aug 2019 10:54

Tgt Ion: 75 Resp: 8209

Ion Ratio Lower Upper

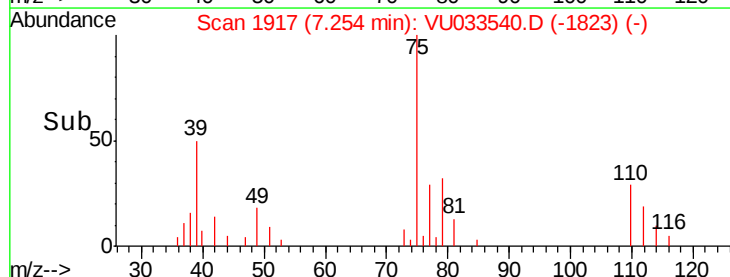
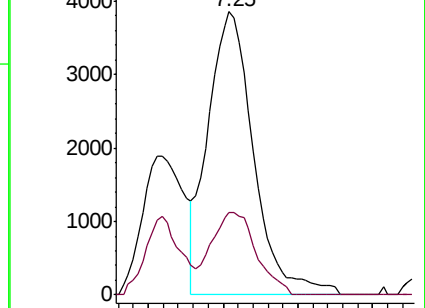
75 100

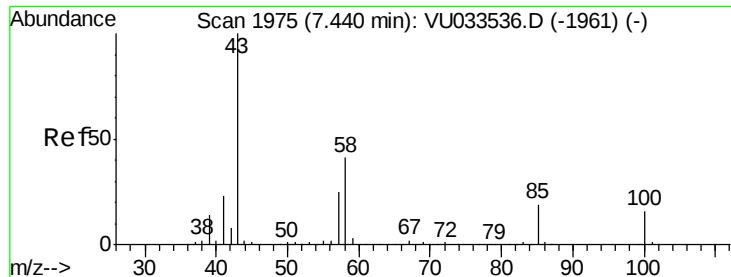
77 29.3 22.3 41.5



Abundance Ion 75.00 (74.70 to 75.70): VU033540.D (-1823) (-)

Ion 77.00 (76.70 to 77.70): VU033540.D (-1823) (-)

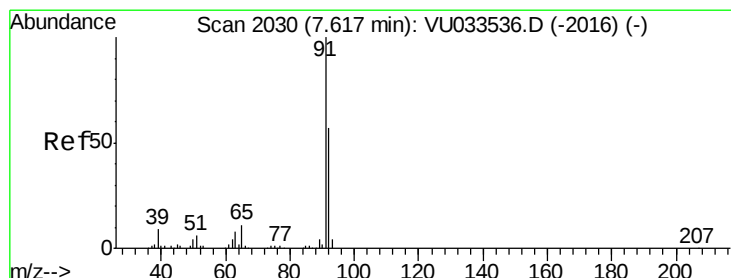
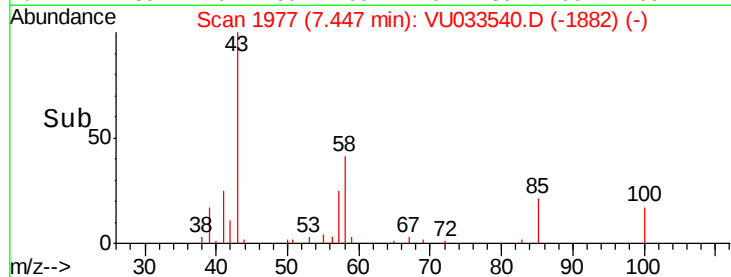
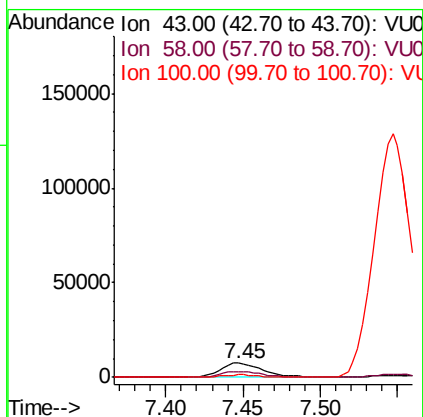
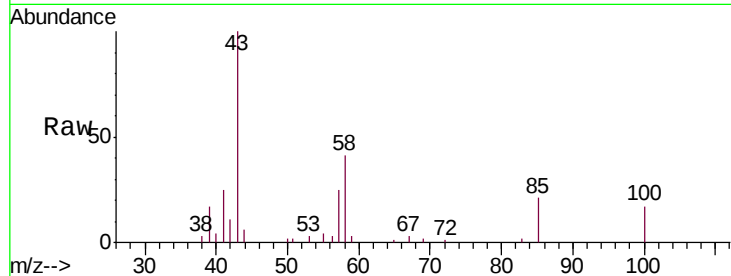




#40
 4-Methyl-2-pentanone
 Concen: 4.681 ug/L
 RT: 7.45 min Scan# 1977
 Delta R.T. 0.01 min
 Lab File: VU033540.D
 Acq: 01 Aug 2019 10:54

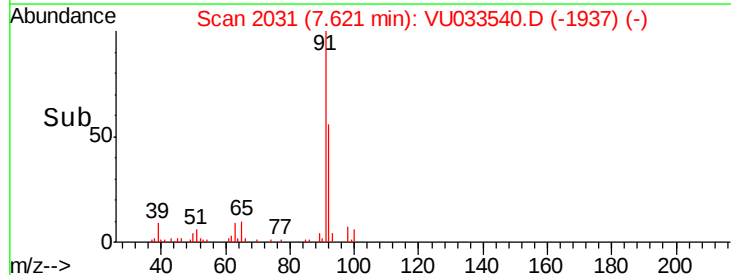
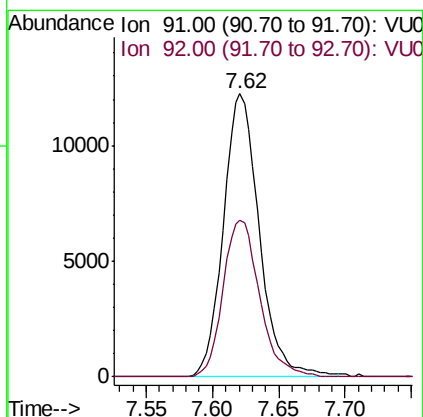
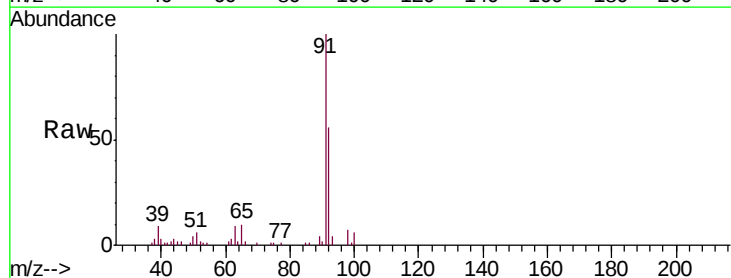
Instrument :
 MSVOA_U
 ClientSampleId :
 MDL03

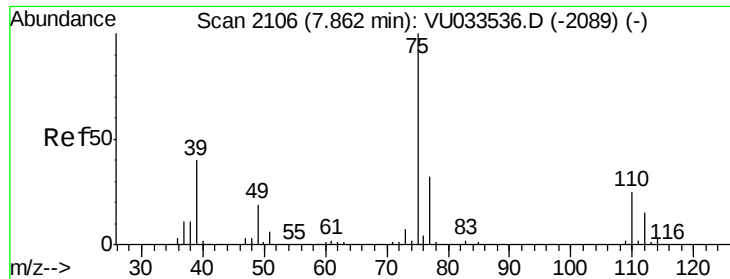
Tgt Ion: 43 Resp: 14672
 Ion Ratio Lower Upper
 43 100
 58 39.6 32.8 49.2
 100 14.5 12.9 19.3



#42
 Toluene
 Concen: 2.530 ug/L
 RT: 7.62 min Scan# 2031
 Delta R.T. 0.00 min
 Lab File: VU033540.D
 Acq: 01 Aug 2019 10:54

Tgt Ion: 91 Resp: 23073
 Ion Ratio Lower Upper
 91 100
 92 55.5 40.2 74.6

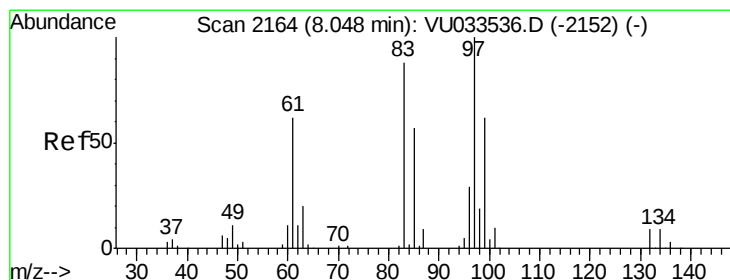
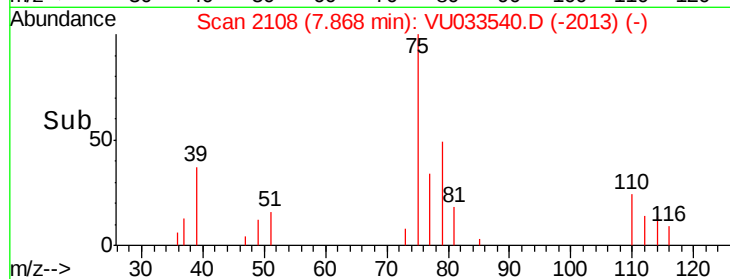
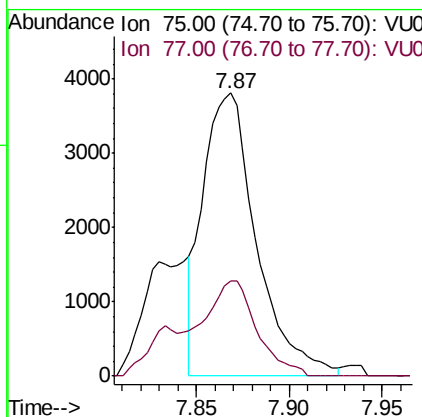
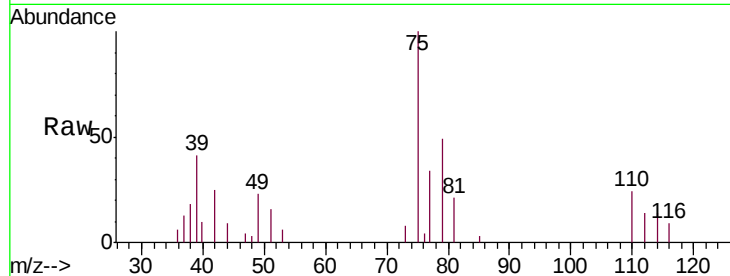




#44
trans-1,3-Dichloropropene
Concen: 2.381 ug/L
RT: 7.87 min Scan# 2108
Delta R.T. 0.01 min
Lab File: VU033540.D
Acq: 01 Aug 2019 10:54

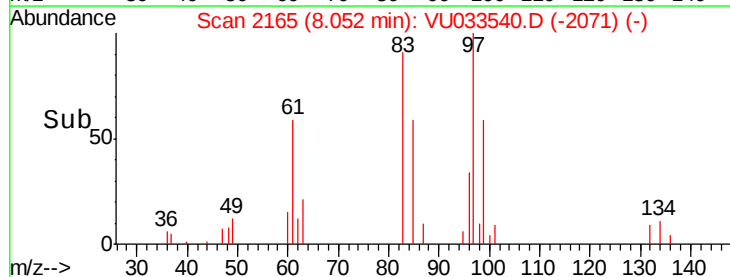
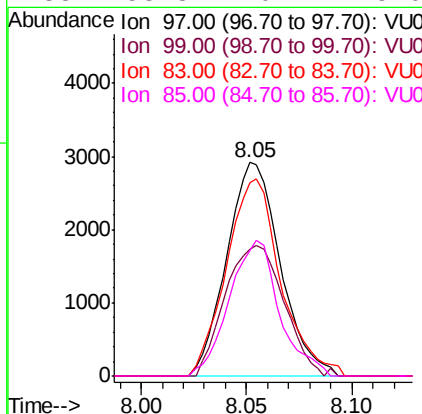
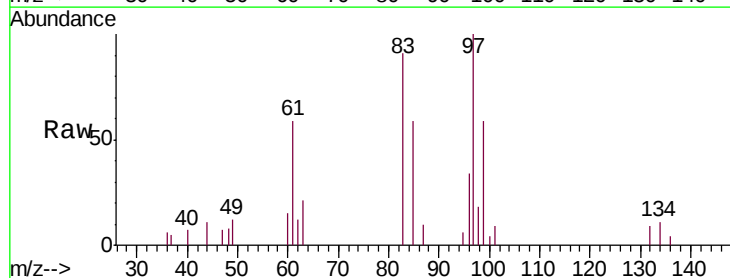
Instrument :
MSVOA_U
ClientSampleId :
MDL03

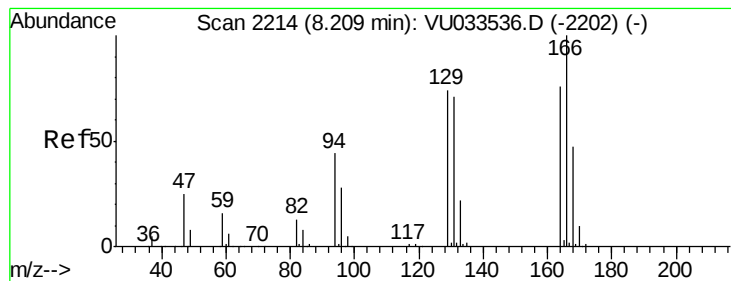
Tgt Ion: 75 Resp: 7624
Ion Ratio Lower Upper
75 100
77 33.9 22.7 42.1



#45
1,1,2-Trichloroethane
Concen: 2.388 ug/L
RT: 8.05 min Scan# 2165
Delta R.T. 0.00 min
Lab File: VU033540.D
Acq: 01 Aug 2019 10:54

Tgt Ion: 97 Resp: 5146
Ion Ratio Lower Upper
97 100
99 59.5 44.4 82.4
83 90.5 61.5 114.1
85 58.8 40.4 75.0





#46

Tetrachloroethene

Concen: 2.431 ug/L

RT: 8.21 min Scan# 2214

Delta R.T. 0.00 min

Lab File: VU033540.D

Acq: 01 Aug 2019 10:54

Instrument :

MSVOA_U

ClientSampleId :

MDL03

Tgt Ion:164 Resp: 4441

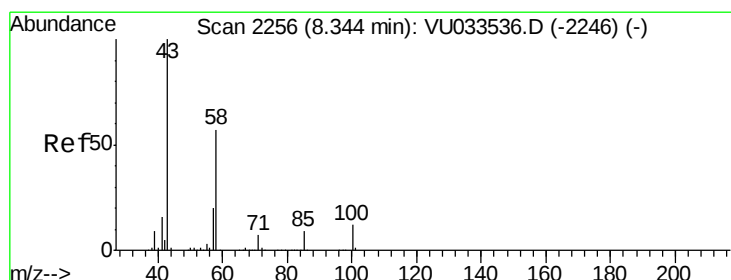
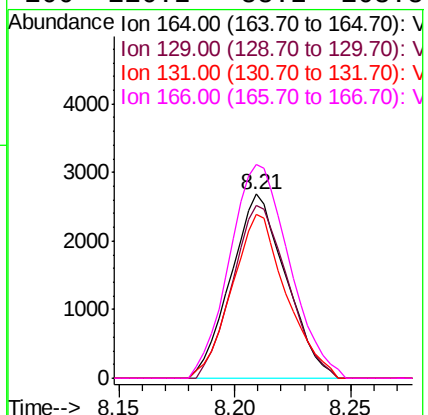
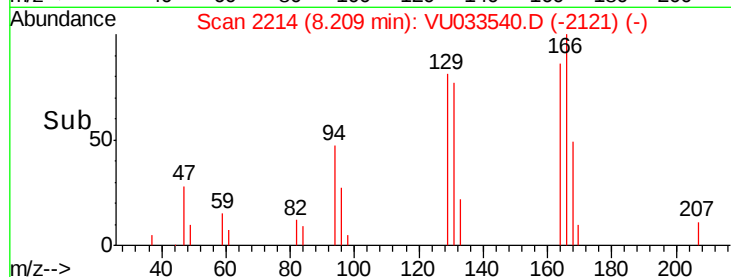
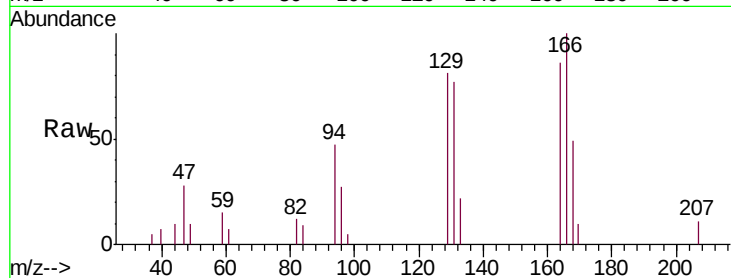
Ion Ratio Lower Upper

164 100

129 93.8 65.5 121.7

131 89.4 63.3 117.7

166 116.2 88.2 163.8



#48

2-Hexanone

Concen: 5.614 ug/L

RT: 8.35 min Scan# 2259

Delta R.T. 0.01 min

Lab File: VU033540.D

Acq: 01 Aug 2019 10:54

Tgt Ion: 43 Resp: 14224

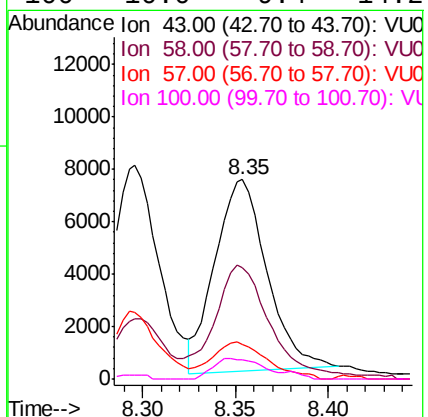
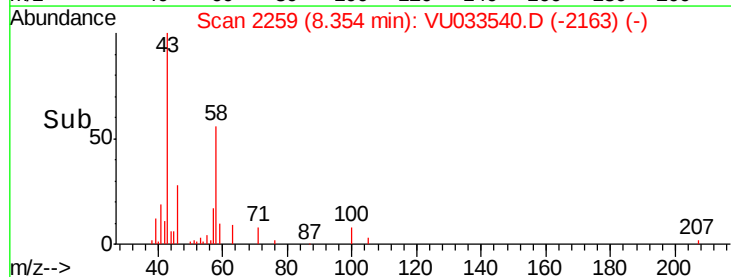
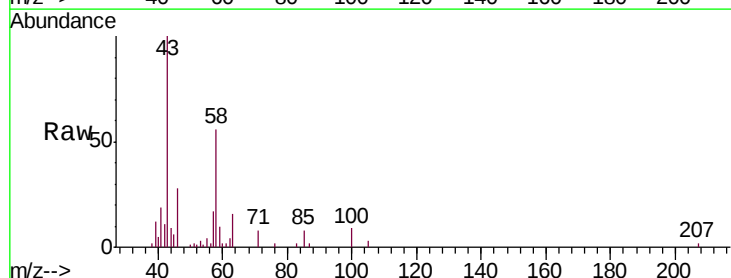
Ion Ratio Lower Upper

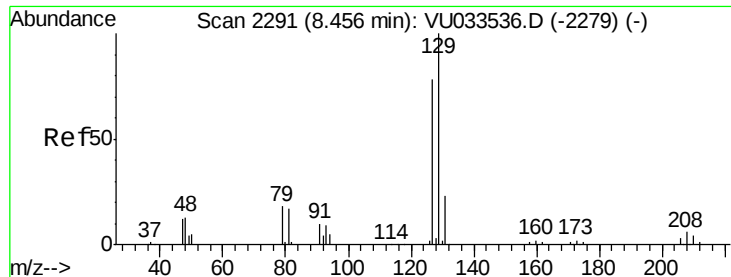
43 100

58 60.0 45.8 68.6

57 20.7 15.8 23.6

100 10.0 9.4 14.2





#49

Dibromochloromethane

Concen: 2.482 ug/L

RT: 8.46 min Scan# 2292

Delta R.T. 0.00 min

Lab File: VU033540.D

Acq: 01 Aug 2019 10:54

Instrument :

MSVOA_U

ClientSampleId :

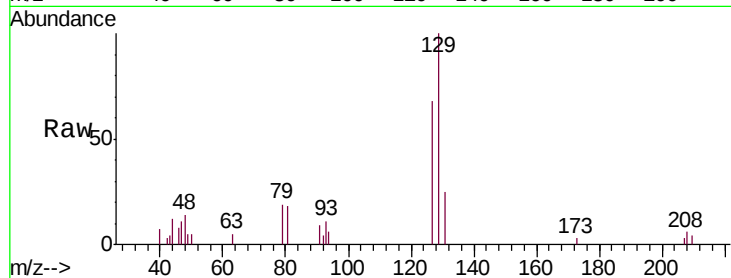
MDL03

Tgt Ion:129 Resp: 6087

Ion Ratio Lower Upper

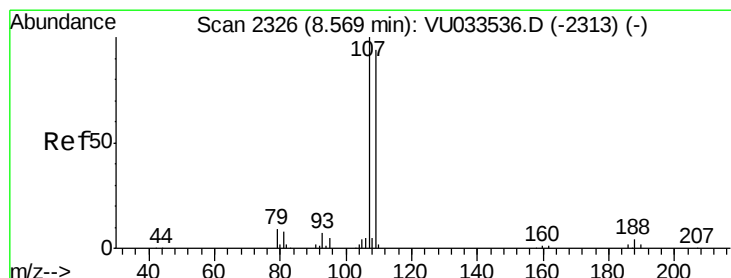
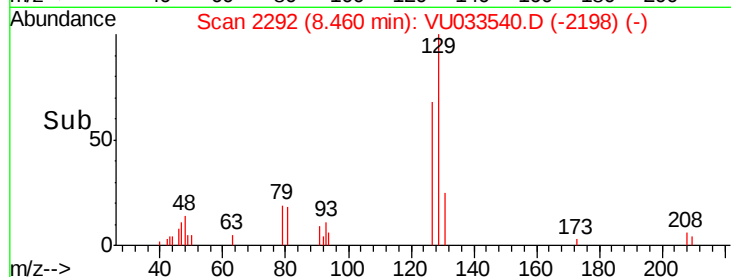
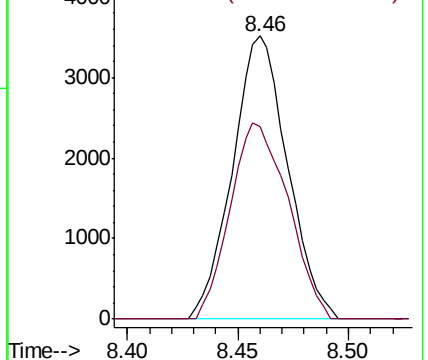
129 100

127 68.1 53.8 99.8



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#50

1,2-Dibromoethane

Concen: 2.507 ug/L

RT: 8.57 min Scan# 2326

Delta R.T. 0.00 min

Lab File: VU033540.D

Acq: 01 Aug 2019 10:54

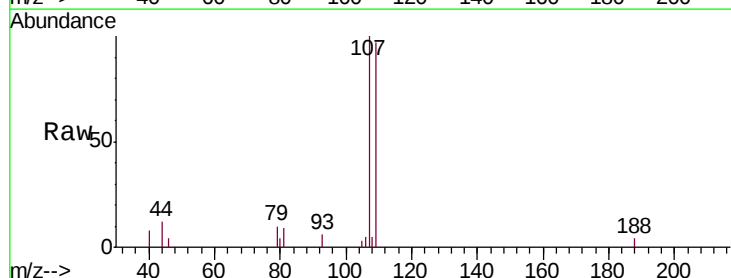
Tgt Ion:107 Resp: 5985

Ion Ratio Lower Upper

107 100

109 96.6 66.8 124.0

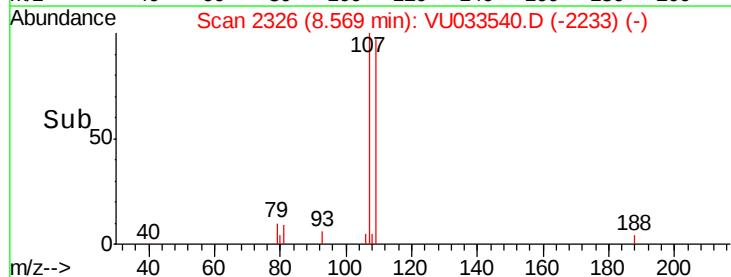
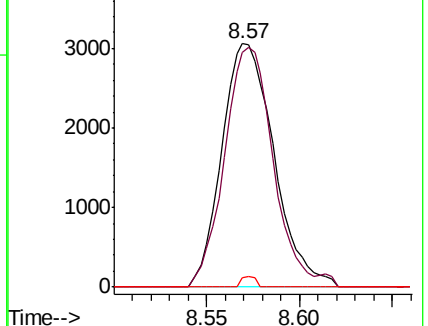
188 3.9 3.0 4.4

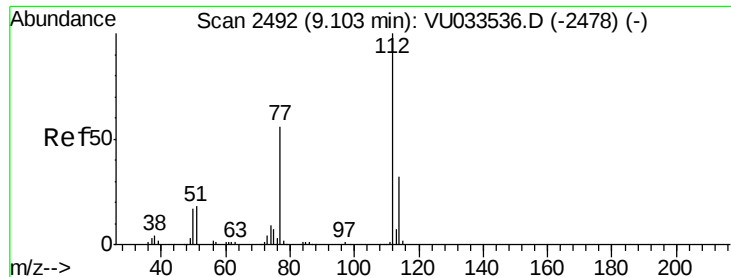


Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

Ion 188.00 (187.70 to 188.70): V

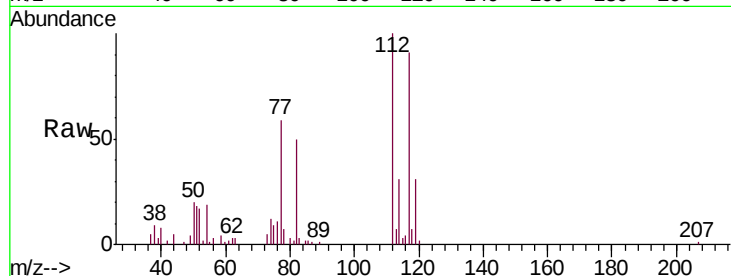




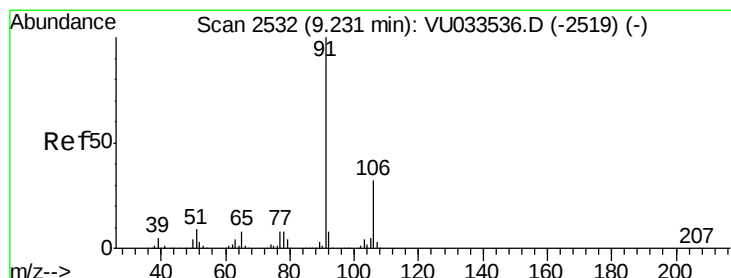
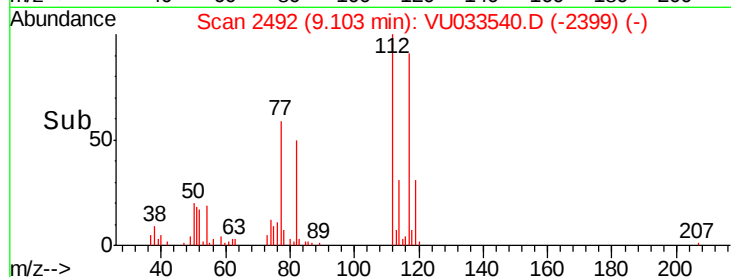
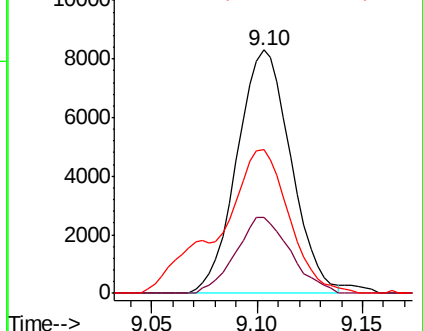
#51
Chlorobenzene
Concen: 2.467 ug/L
RT: 9.10 min Scan# 2492
Delta R.T. 0.00 min
Lab File: VU033540.D
Acq: 01 Aug 2019 10:54

Instrument :
MSVOA_U
ClientSampleId :
MDL03

Tgt Ion: 112 Resp: 14732
Ion Ratio Lower Upper
112 100
114 31.4 22.3 41.5
77 59.0 45.6 68.4

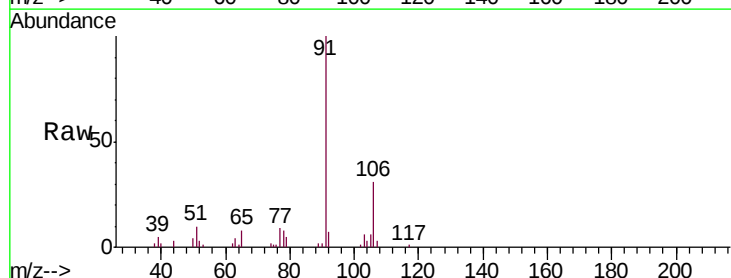


Abundance Ion 112.00 (111.70 to 112.70): V
Ion 114.00 (113.70 to 114.70): V
Ion 77.00 (76.70 to 77.70): V

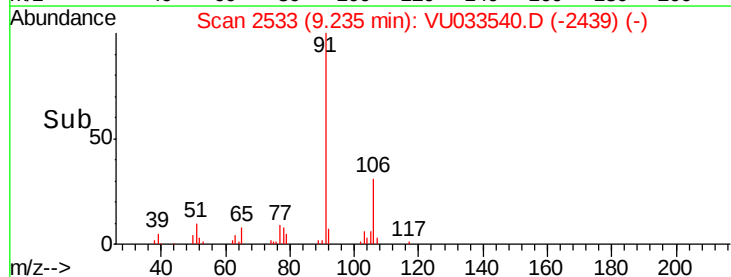
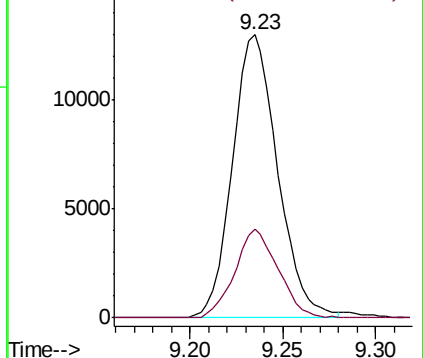


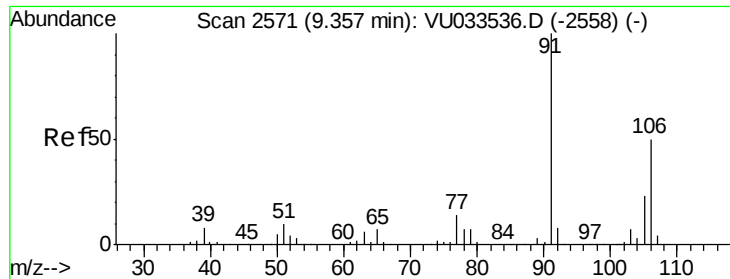
#52
Ethylbenzene
Concen: 2.236 ug/L
RT: 9.23 min Scan# 2533
Delta R.T. 0.00 min
Lab File: VU033540.D
Acq: 01 Aug 2019 10:54

Tgt Ion: 91 Resp: 21959
Ion Ratio Lower Upper
91 100
106 31.5 22.2 41.2



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





#53

m,p-Xylene

Concen: 2.204 ug/L

RT: 9.36 min Scan# 2572

Delta R.T. 0.00 min

Lab File: VU033540.D

Acq: 01 Aug 2019 10:54

Instrument :

MSVOA_U

ClientSampleId :

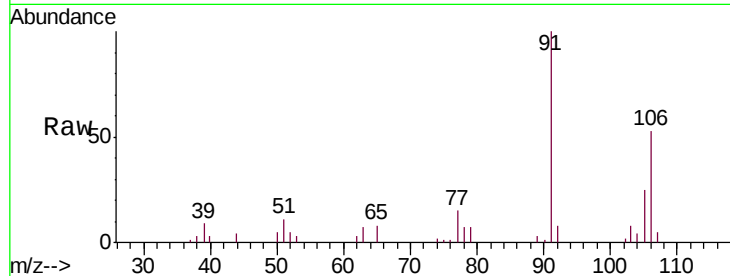
MDL03

Tgt Ion:106 Resp: 8309

Ion Ratio Lower Upper

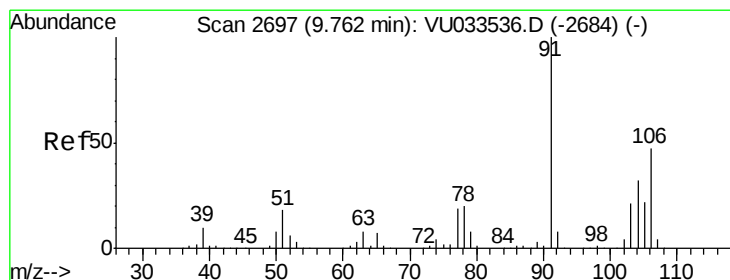
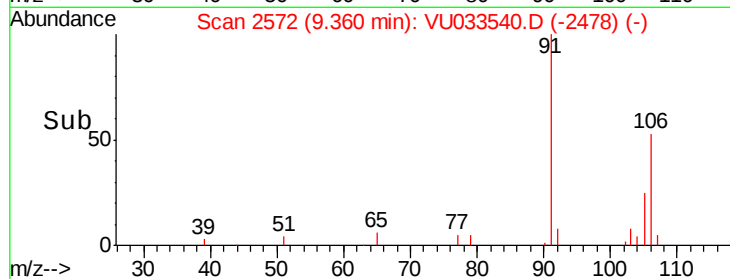
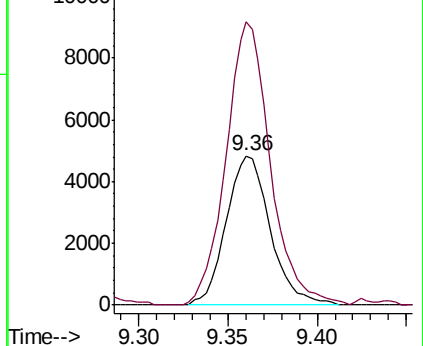
106 100

91 190.0 143.0 265.6



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0



#54

o-xylene

Concen: 2.049 ug/L

RT: 9.76 min Scan# 2697

Delta R.T. 0.00 min

Lab File: VU033540.D

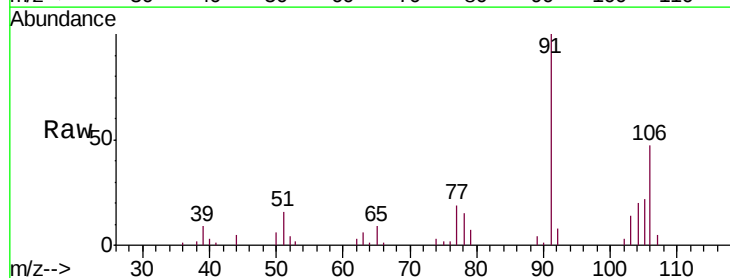
Acq: 01 Aug 2019 10:54

Tgt Ion:106 Resp: 7493

Ion Ratio Lower Upper

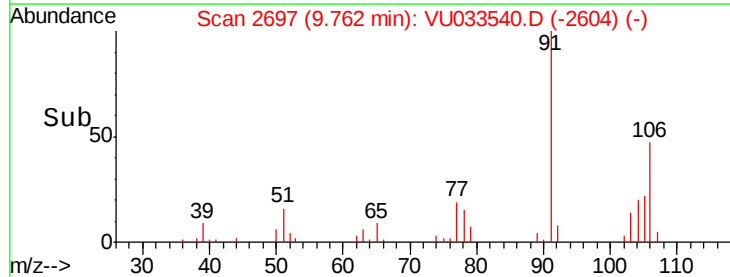
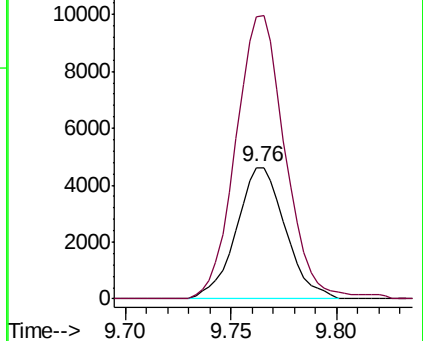
106 100

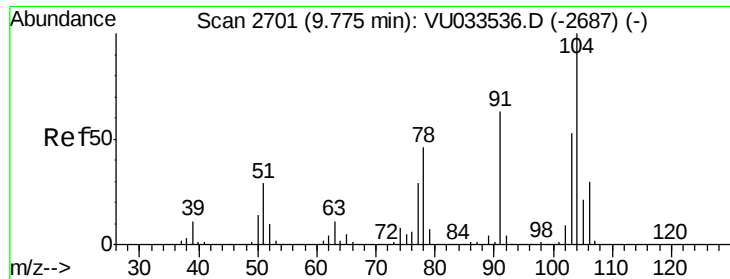
91 214.8 148.4 275.6



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0





#55

Styrene

Concen: 1.928 ug/L

RT: 9.78 min Scan# 2702

Delta R.T. 0.00 min

Lab File: VU033540.D

Acq: 01 Aug 2019 10:54

Instrument :

MSVOA_U

ClientSampled :

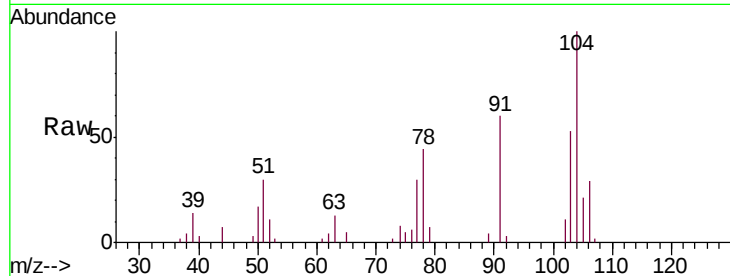
MDL03

Tgt Ion:104 Resp: 11973

Ion Ratio Lower Upper

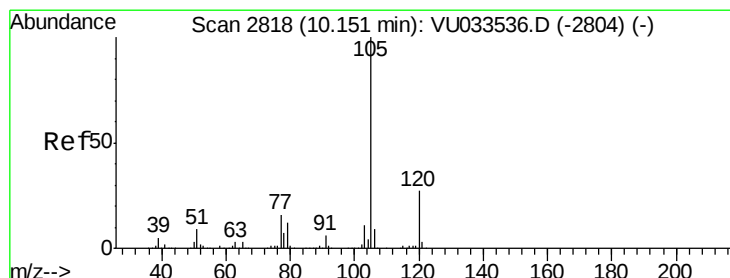
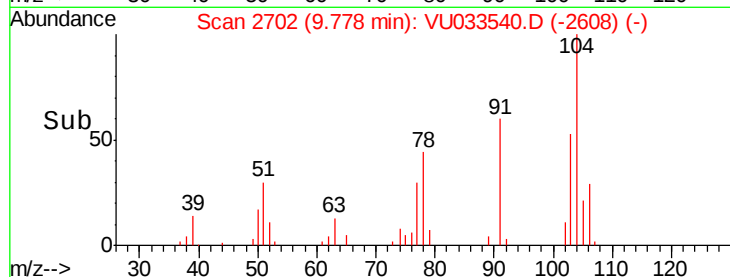
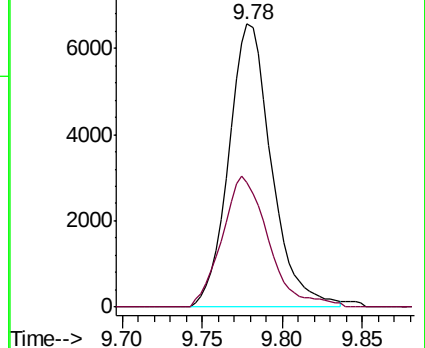
104 100

78 44.0 32.2 59.8



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VU0



#56

Isopropylbenzene

Concen: 1.961 ug/L

RT: 10.15 min Scan# 2818

Delta R.T. 0.00 min

Lab File: VU033540.D

Acq: 01 Aug 2019 10:54

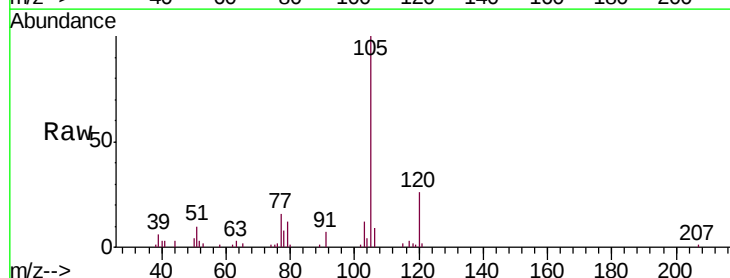
Tgt Ion:105 Resp: 18744

Ion Ratio Lower Upper

105 100

120 26.4 21.4 32.0

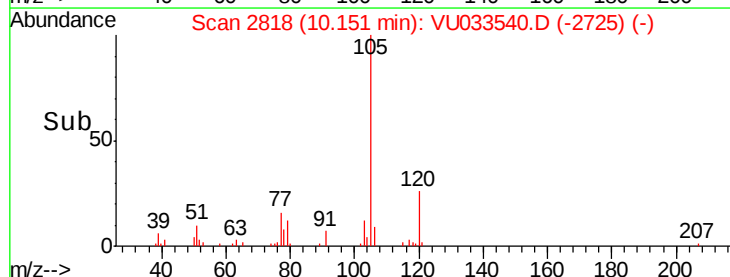
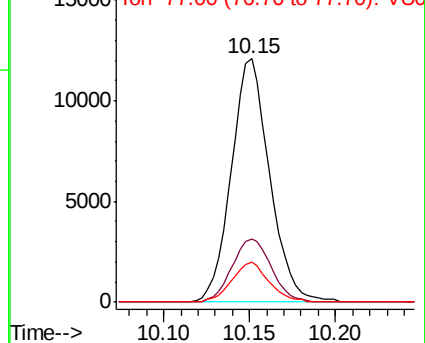
77 15.9 12.5 18.7

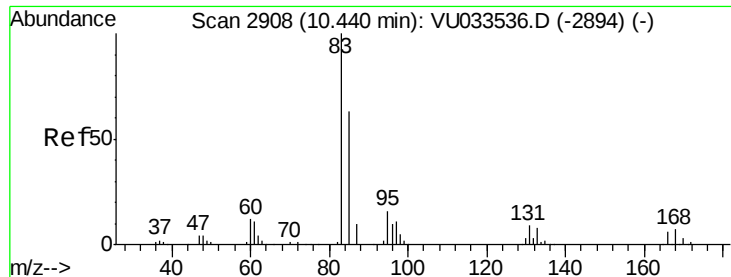


Abundance Ion 105.00 (104.70 to 105.70): V

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: 2.708 ug/L

RT: 10.44 min Scan# 2908

Delta R.T. 0.00 min

Lab File: VU033540.D

Acq: 01 Aug 2019 10:54

Instrument :

MSVOA_U

ClientSampleId :

MDL03

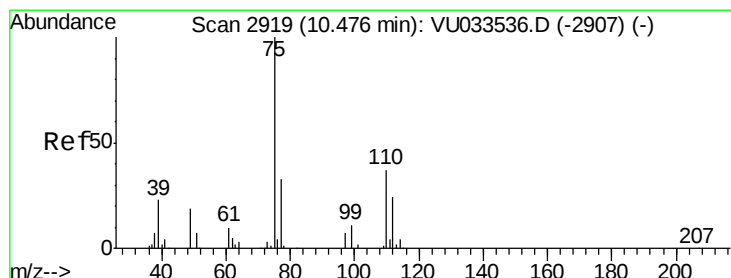
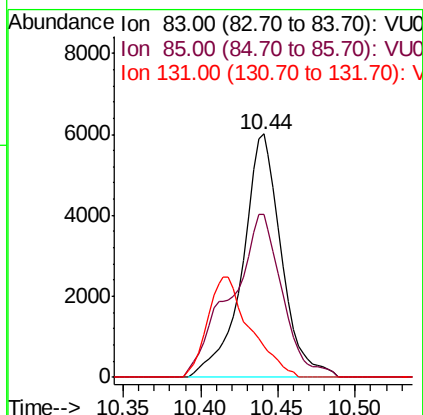
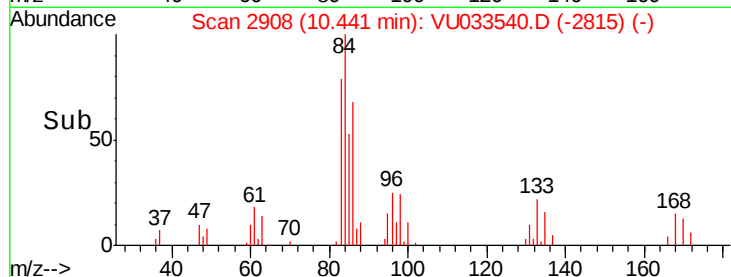
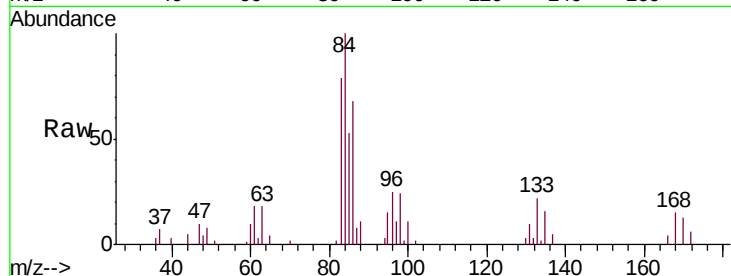
Tgt Ion: 83 Resp: 10528

Ion Ratio Lower Upper

83 100

85 67.0 45.4 84.4

131 12.9 7.9 11.9#



#59

1,2,3-Trichloropropane

Concen: 2.630 ug/L

RT: 10.48 min Scan# 2920

Delta R.T. 0.00 min

Lab File: VU033540.D

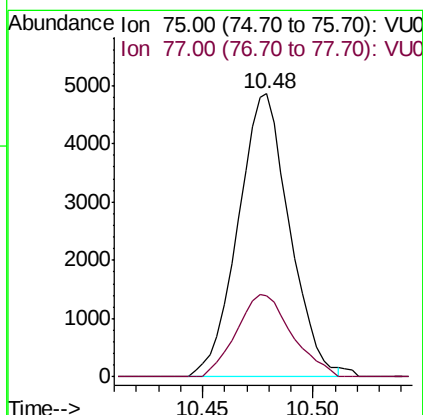
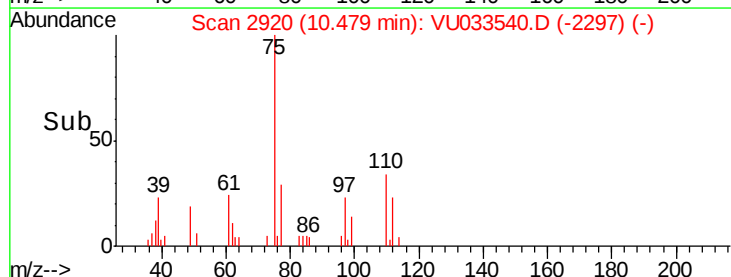
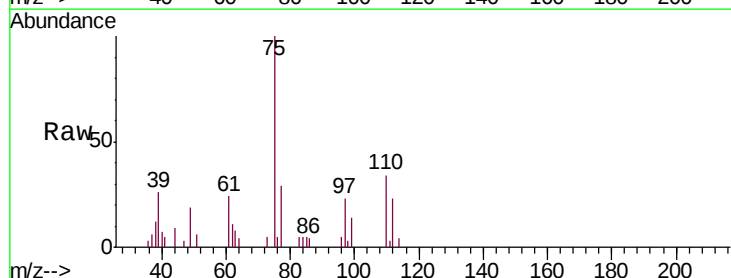
Acq: 01 Aug 2019 10:54

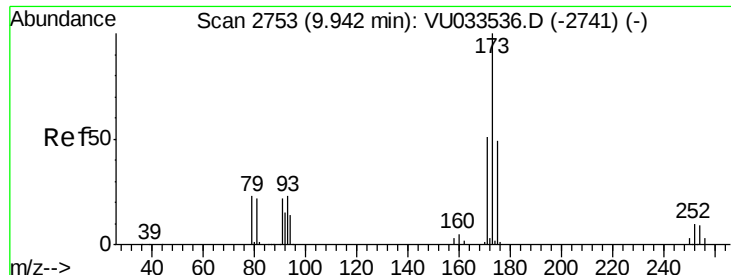
Tgt Ion: 75 Resp: 7881

Ion Ratio Lower Upper

75 100

77 31.2 25.8 38.6





#61

Bromoform

Concen: 2.649 ug/L

RT: 9.95 min Scan# 2754

Delta R.T. 0.00 min

Lab File: VU033540.D

Acq: 01 Aug 2019 10:54

Instrument :

MSVOA_U

ClientSampleId :

MDL03

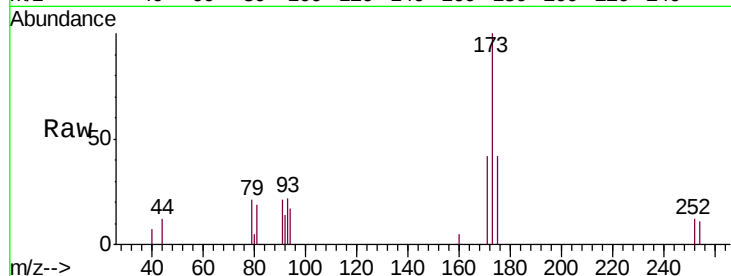
Tgt Ion:173 Resp: 4496

Ion Ratio Lower Upper

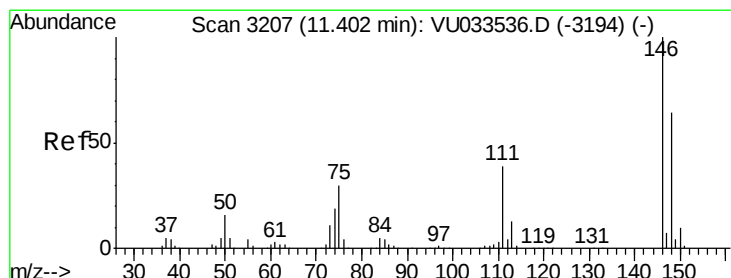
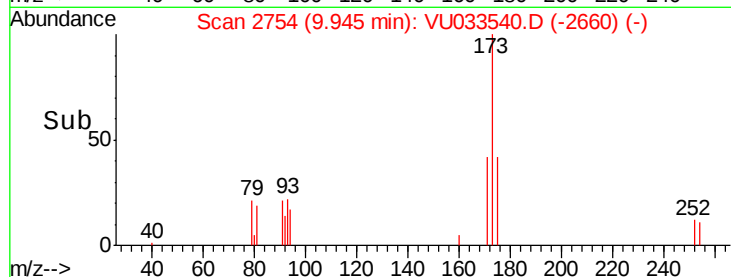
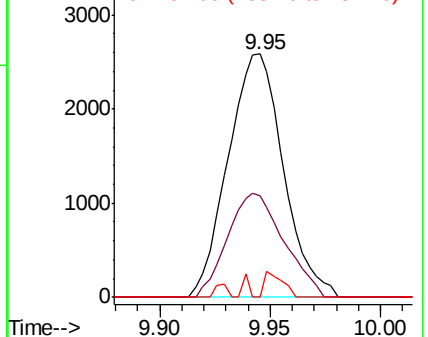
173 100

175 43.3 38.7 58.1

254 3.4 7.5 11.3#



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: 2.421 ug/L

RT: 11.40 min Scan# 3207

Delta R.T. 0.00 min

Lab File: VU033540.D

Acq: 01 Aug 2019 10:54

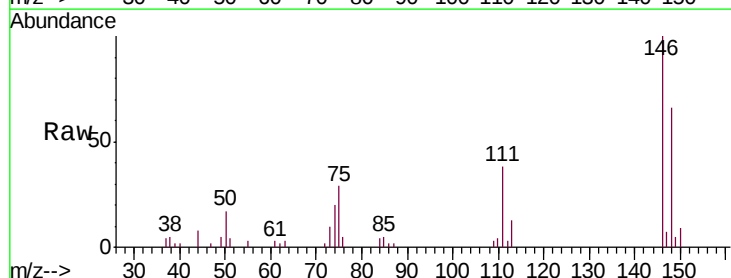
Tgt Ion:146 Resp: 10447

Ion Ratio Lower Upper

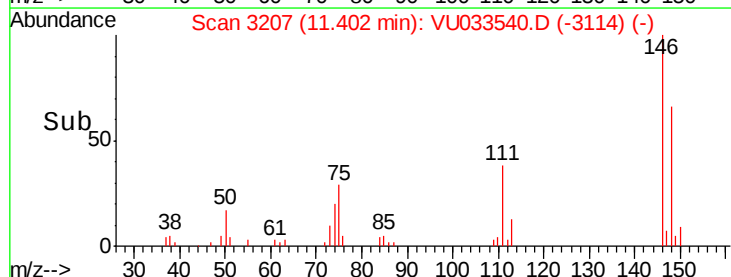
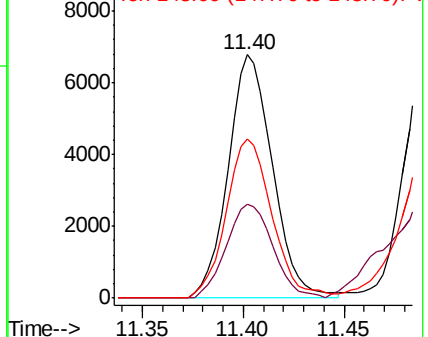
146 100

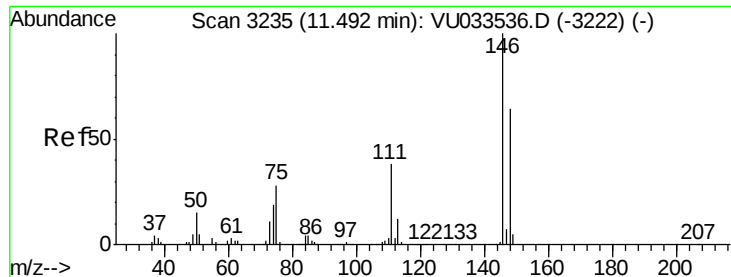
111 38.3 28.1 52.1

148 65.5 45.0 83.6



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

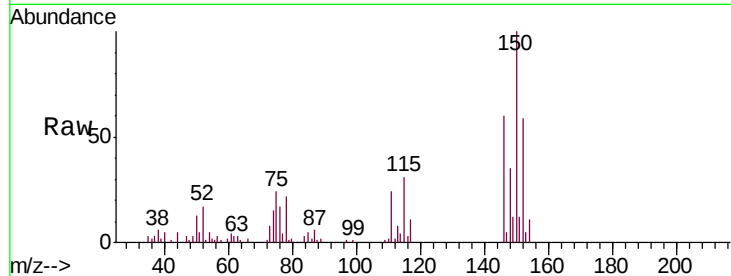




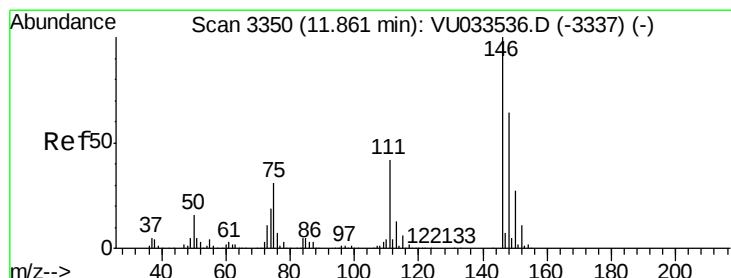
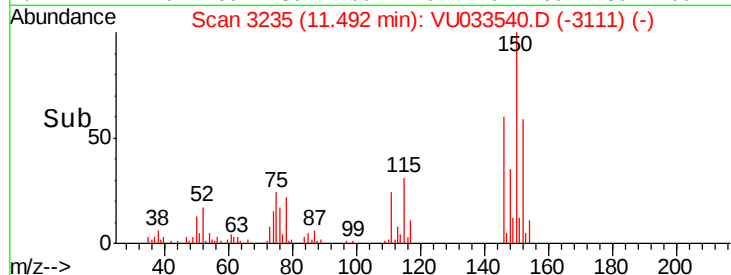
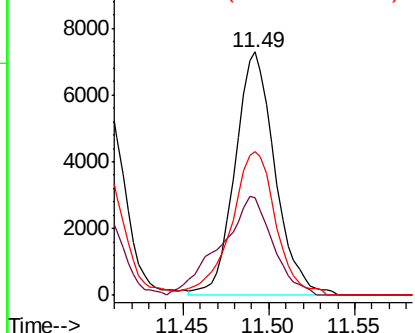
#63
1,4-Dichlorobenzene
Concen: 2.624 ug/L
RT: 11.49 min Scan# 3235
Delta R.T. 0.00 min
Lab File: VU033540.D
Acq: 01 Aug 2019 10:54

Instrument :
MSVOA_U
ClientSampled :
MDL03

Tgt Ion:146 Resp: 11764
Ion Ratio Lower Upper
146 100
111 39.9 27.2 50.4
148 59.2 44.5 82.7

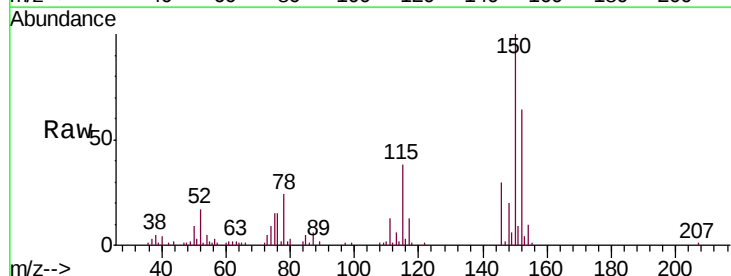


Abundance Ion 146.00 (145.70 to 146.70): V
Ion 111.00 (110.70 to 111.70): V
Ion 148.00 (147.70 to 148.70): V

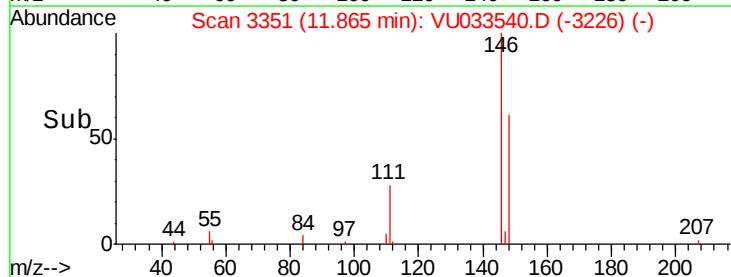
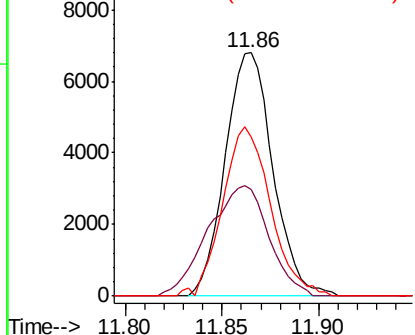


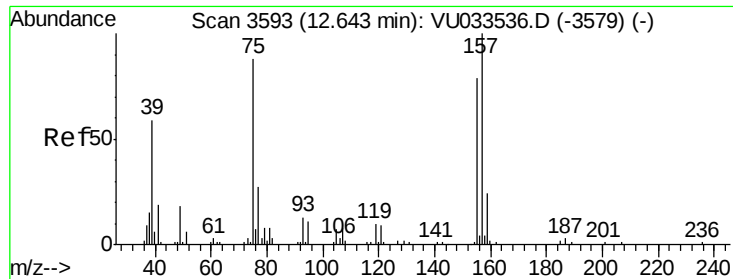
#65
1,2-Dichlorobenzene
Concen: 2.675 ug/L
RT: 11.86 min Scan# 3351
Delta R.T. 0.00 min
Lab File: VU033540.D
Acq: 01 Aug 2019 10:54

Tgt Ion:146 Resp: 11673
Ion Ratio Lower Upper
146 100
111 43.7 31.7 47.5
148 65.6 50.3 75.5



Abundance Ion 146.00 (145.70 to 146.70): V
Ion 111.00 (110.70 to 111.70): V
Ion 148.00 (147.70 to 148.70): V

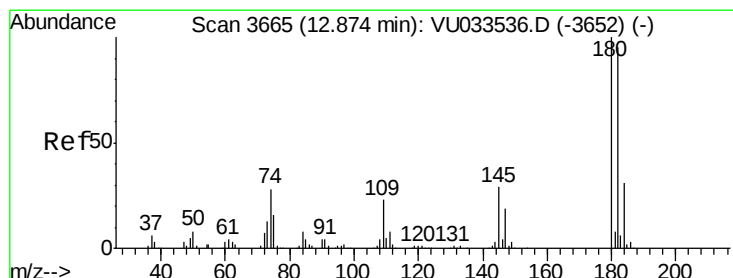
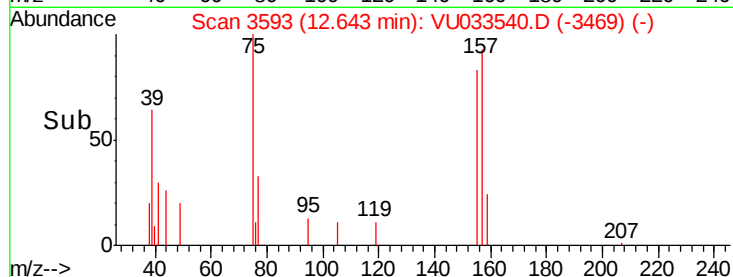
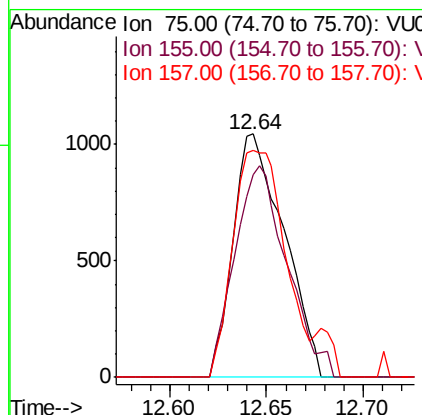
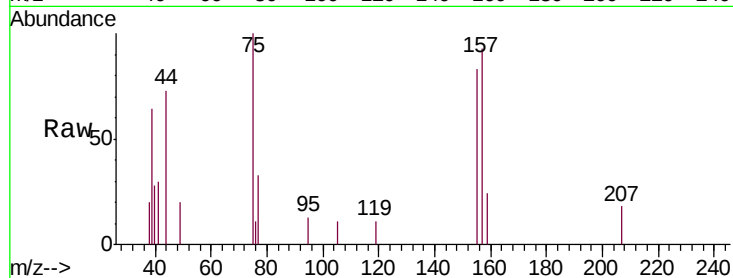




#66
 1,2-Dibromo-3-chloropropane
 Concen: 2.362 ug/L
 RT: 12.64 min Scan# 3593
 Delta R.T. 0.00 min
 Lab File: VU033540.D
 Acq: 01 Aug 2019 10:54

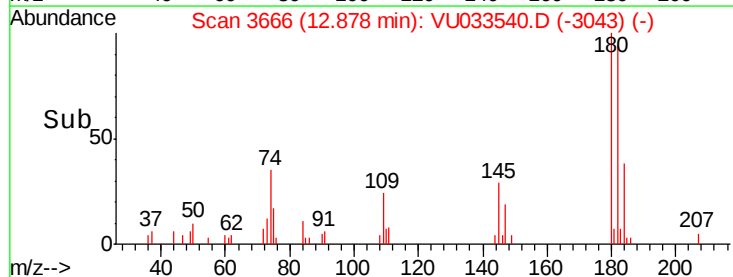
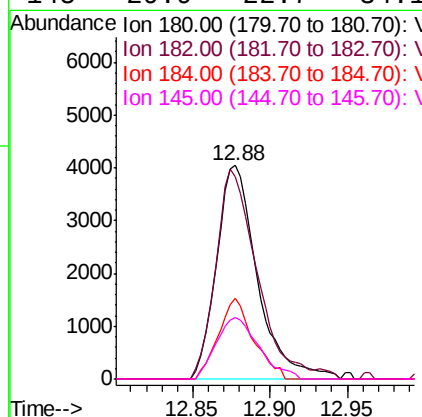
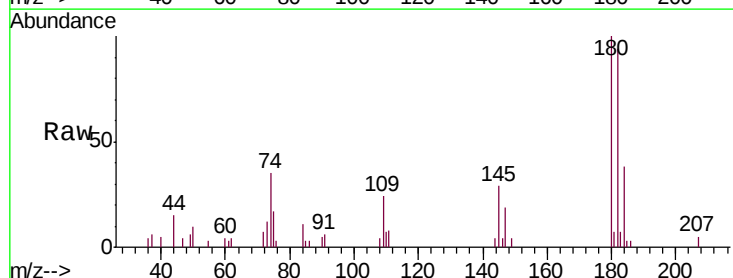
Instrument :
 MSVOA_U
 ClientSampleId :
 MDL03

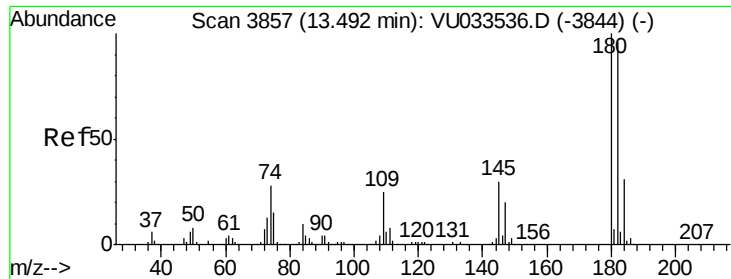
Tgt Ion: 75 Resp: 1904
 Ion Ratio Lower Upper
 75 100
 155 83.1 69.4 104.0
 157 93.0 91.8 137.8



#67
 1,3,5-Trichlorobenzene
 Concen: 2.134 ug/L
 RT: 12.88 min Scan# 3666
 Delta R.T. 0.00 min
 Lab File: VU033540.D
 Acq: 01 Aug 2019 10:54

Tgt Ion: 180 Resp: 7431
 Ion Ratio Lower Upper
 180 100
 182 98.4 75.6 113.4
 184 32.2 24.2 36.2
 145 29.9 22.7 34.1

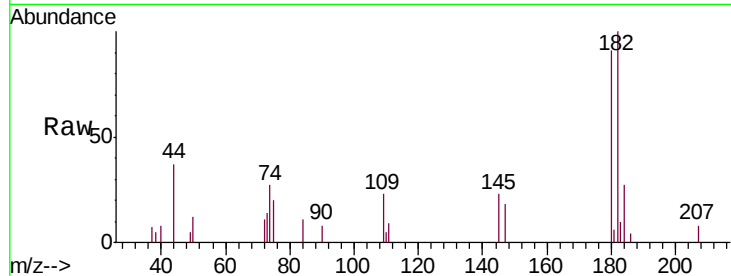




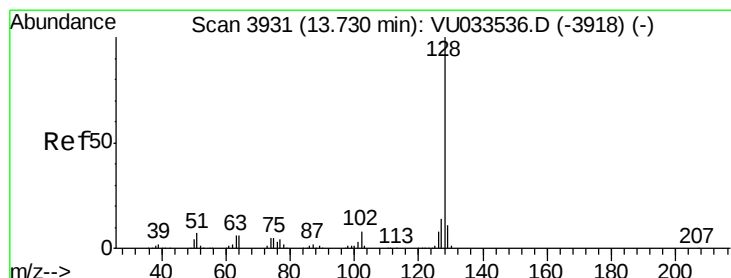
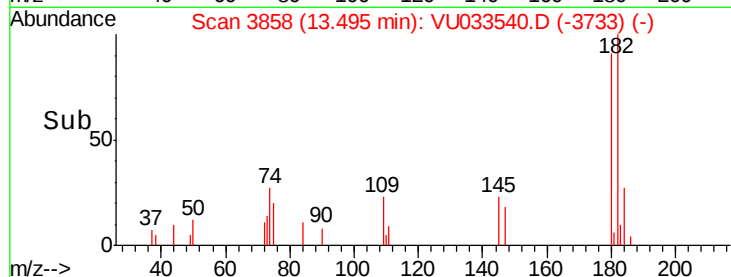
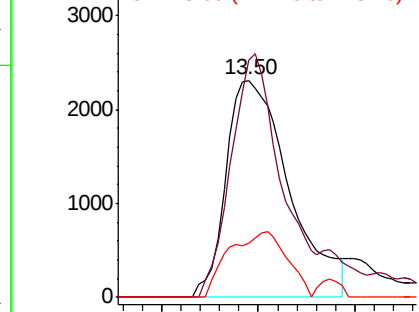
#68
 1,2,4-trichlorobenzene
 Concen: 1.769 ug/L
 RT: 13.50 min Scan# 3858
 Delta R.T. 0.00 min
 Lab File: VU033540.D
 Acq: 01 Aug 2019 10:54

Instrument :
 MSVOA_U
 ClientSampleId :
 MDL03

Tgt Ion:180 Resp: 5263
 Ion Ratio Lower Upper
 180 100
 182 88.5 75.8 113.8
 145 16.2 24.3 36.5#

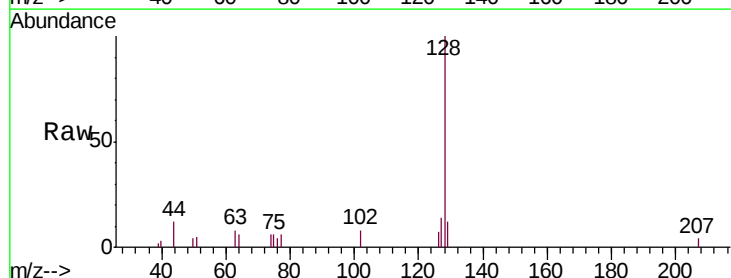


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 145.00 (144.70 to 145.70): V

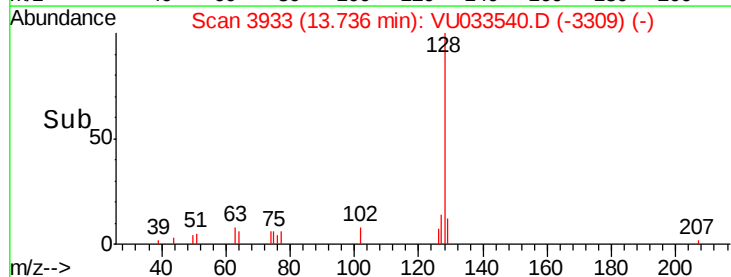
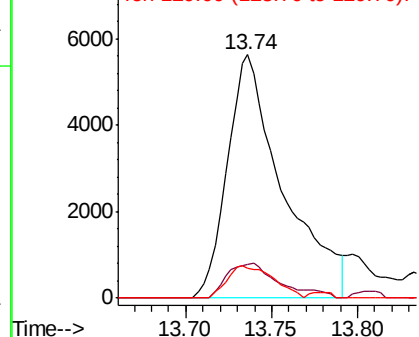


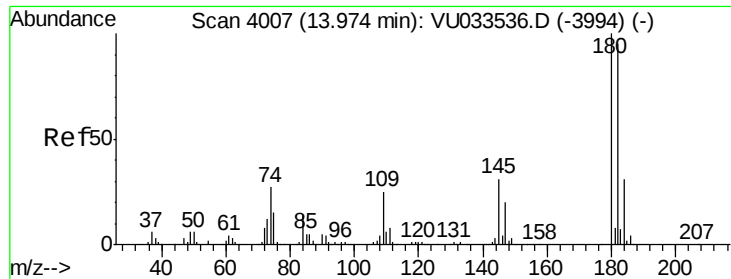
#69
 Naphthalene
 Concen: 1.481 ug/L
 RT: 13.74 min Scan# 3933
 Delta R.T. 0.01 min
 Lab File: VU033540.D
 Acq: 01 Aug 2019 10:54

Tgt Ion:128 Resp: 12640
 Ion Ratio Lower Upper
 128 100
 127 12.4 10.8 16.2
 129 6.2 8.7 13.1#



Abundance Ion 128.00 (127.70 to 128.70): V
 Ion 127.00 (126.70 to 127.70): V
 Ion 129.00 (128.70 to 129.70): V

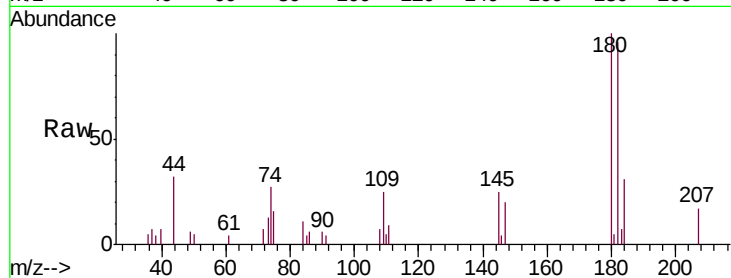




#70
 1,2,3-Trichlorobenzene
 Concen: 2.038 ug/L
 RT: 13.98 min Scan# 4009
 Delta R.T. 0.01 min
 Lab File: VU033540.D
 Acq: 01 Aug 2019 10:54

Instrument :
 MSVOA_U
 ClientSampleId :
 MDL03

Tgt Ion:180 Resp: 6377
 Ion Ratio Lower Upper
 180 100
 182 88.6 75.5 113.3
 145 21.6 24.4 36.6#



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

