

Data File : VU035038.D
Acq On : 10 Oct 2019 10:41
Operator : JC/SP
Sample : MDL03
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
MDL03

Quant Time: Oct 11 02:43:54 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR100719WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Fri Oct 11 02:39:08 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.86	114	162720	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.07	117	167626	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.47	152	69247	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	57478	5.98	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	119.60%
7) Chloroethane-d5	1.67	69	51452	5.73	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	114.60%
11) 1,1-Dichloroethene-d2	2.26	63	82633	4.07	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	81.40%
20) 2-Butanone-d5	4.18	46	162579	57.40	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	114.80%
24) Chloroform-d	4.62	84	97291	5.41	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	108.20%
26) 1,2-Dichloroethane-d4	5.29	65	58039	5.39	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	107.80%
32) Benzene-d6	5.32	84	203798	5.18	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	103.60%
36) 1,2-Dichloropropane-d6	6.31	67	70620	5.37	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	107.40%
41) Toluene-d8	7.55	98	184631	4.86	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	97.20%
43) trans-1,3-Dichloropropene-	7.84	79	22012	4.66	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	93.20%
46) 2-Hexanone-d5	8.30	63	117488	52.24	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	104.48%
57) 1,1,2,2-Tetrachloroethane-	10.41	84	57959	5.23	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	104.60%
64) 1,2-Dichlorobenzene-d4	11.84	152	67465	5.78	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	115.60%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.20	85	4181	0.281 ug/L	98
3) Chloromethane	1.32	50	5044	0.309 ug/L	98
5) Vinyl chloride	1.40	62	5123	0.320 ug/L #	73
6) Bromomethane	1.62	94	2788	0.313 ug/L	81
8) Chloroethane	1.69	64	2901	0.302 ug/L	92
9) Trichlorofluoromethane	1.88	101	5623	0.290 ug/L	92
10) 1,1,2-Trichloro-1,2,2-trif	2.27	101	3593	0.323 ug/L #	87
12) 1,1-Dichloroethene	2.27	96	3756	0.359 ug/L #	1
13) Acetone	2.32	43	9279	4.000 ug/L	94
14) Carbon disulfide	2.47	76	9899	0.285 ug/L	99
15) Methyl Acetate	2.61	43	2500	0.405 ug/L #	77
16) Methylene chloride	2.69	84	5928	0.458 ug/L	85
17) Methyl tert-butyl Ether	2.99	73	8491	0.298 ug/L #	86
18) trans-1,2-Dichloroethene	2.96	96	3355	0.300 ug/L #	81
19) 1,1-Dichloroethane	3.42	63	6914	0.311 ug/L	95
21) 2-Butanone	4.27	43	9526	2.883 ug/L	88
22) cis-1,2-Dichloroethene	4.20	96	3636	0.291 ug/L	99

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Quant Title : TRACE VOA SOM01.0
QLast Update : Fri Oct 11 02:39:08 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

23) Bromochloromethane	4.54	128	1602	0.306	ug/L #	96
25) Chloroform	4.66	83	16246	0.650	ug/L	97
27) 1,2-Dichloroethane	5.39	62	4204	0.288	ug/L	96
29) 1,1,1-Trichloroethane	4.89	97	5468	0.290	ug/L	94
30) Cyclohexane	4.97	56	5503	0.266	ug/L	94
31) Carbon tetrachloride	5.11	117	4481	0.275	ug/L	91
33) Benzene	5.37	78	14038	0.278	ug/L	100
34) Trichloroethene	6.17	95	3554	0.273	ug/L	94
35) Methylcyclohexane	6.40	83	5683	0.269	ug/L	96
37) 1,2-Dichloropropane	6.42	63	4308	0.316	ug/L #	88
38) Bromodichloromethane	6.74	83	4562	0.286	ug/L	96
39) cis-1,3-Dichloropropene	7.26	75	5009	0.271	ug/L	95
40) 4-Methyl-2-pentanone	7.45	43	22282	2.599	ug/L #	89
42) Toluene	7.62	91	15441	0.293	ug/L	93
44) trans-1,3-Dichloropropene	7.87	75	4494	0.314	ug/L	91
45) 1,1,2-Trichloroethane	8.05	97	2674	0.296	ug/L	94
47) Tetrachloroethene	8.21	164	2827	0.268	ug/L	90
48) 2-Hexanone	8.36	43	22489	3.826	ug/L #	93
49) Dibromochloromethane	8.46	129	2649	0.253	ug/L	88
50) 1,2-Dibromoethane	8.57	107	2370	0.274	ug/L #	96
51) Chlorobenzene	9.10	112	9732	0.285	ug/L	98
52) Ethylbenzene	9.23	91	15399	0.265	ug/L	97
53) m,p-Xylene	9.36	106	5424	0.252	ug/L	89
54) o-Xylene	9.76	106	5466	0.260	ug/L	99
55) Styrene	9.78	104	7969	0.234	ug/L	96
56) Isopropylbenzene	10.15	105	13846	0.247	ug/L	96
58) 1,1,2,2-Tetrachloroethane	10.44	83	3748	0.305	ug/L #	84
59) 1,2,3-Trichloropropane	10.48	75	2537	0.288	ug/L	99
61) Bromoform	9.94	173	1121	0.236	ug/L #	71
62) 1,3-Dichlorobenzene	11.40	146	6517	0.305	ug/L	100
63) 1,4-Dichlorobenzene	11.49	146	7151	0.332	ug/L	95
65) 1,2-Dichlorobenzene	11.86	146	6868	0.334	ug/L	94
67) 1,3,5-Trichlorobenzene	12.87	180	3111	0.215	ug/L	92
69) Naphthalene	13.76	128	1892	0.113	ug/L #	72

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

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Instrument :
MSVOA_U
ClientSampleId :
MDL03

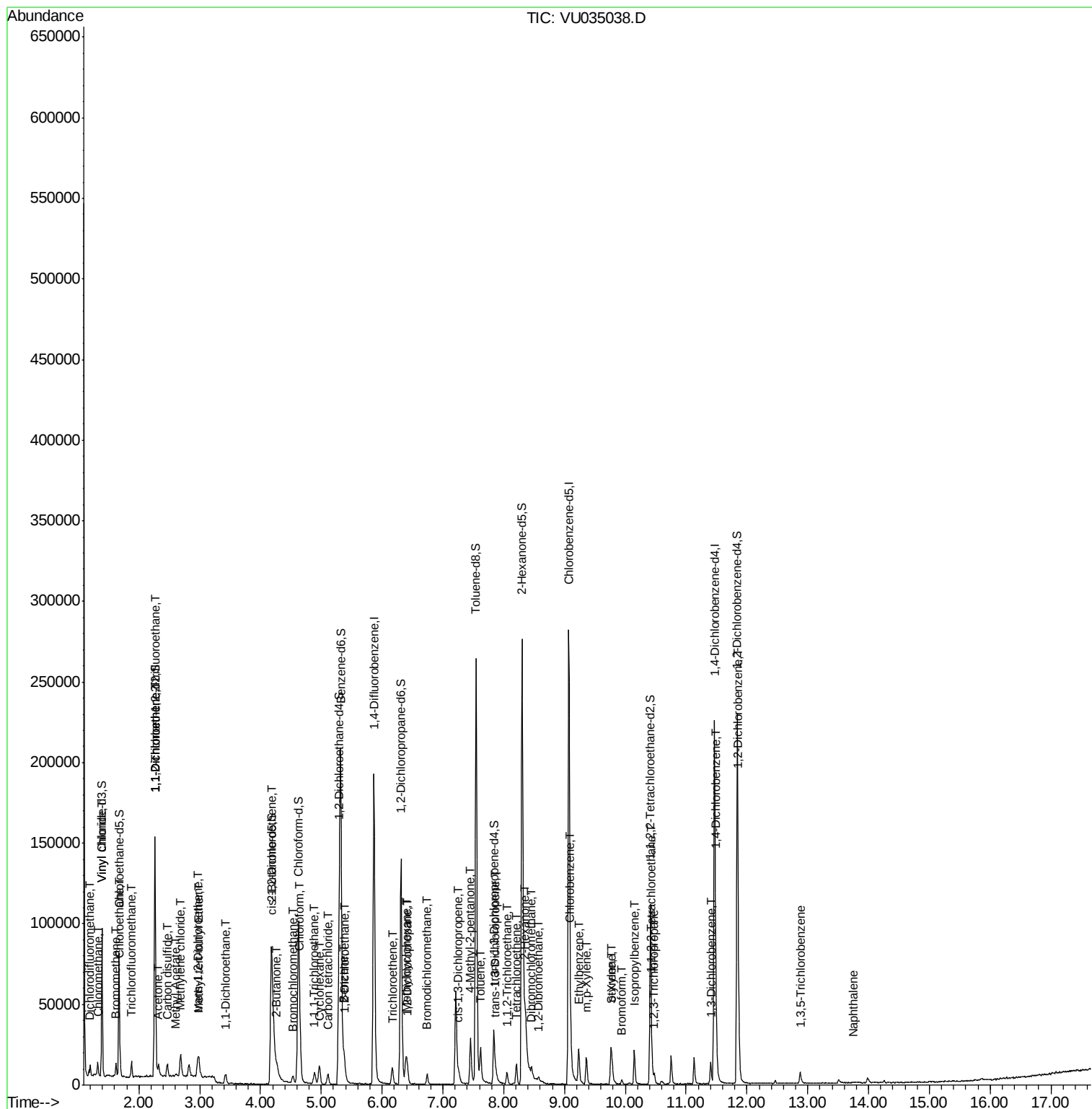
Quant Time: Oct 11 02:43:54 2019

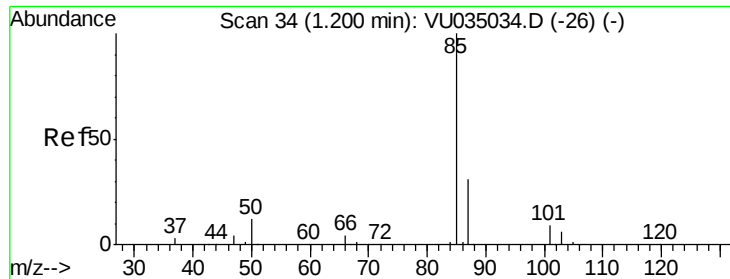
Quant Method : Z:\V0ASRV\HPCHEM1\MSV0A_U\METHOD\SOMUTR100719WMA.M

Quant Title : TRACE VOA SOM01.0

QLast Update : Fri Oct 11 02:39:08 2019

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#2

Dichlorodifluoromethane

Concen: 0.281 ug/L

RT: 1.20 min Scan# 34

Delta R.T. 0.00 min

Lab File: VU035038.D

Acq: 10 Oct 2019 10:41

Instrument :

MSVOA_U

ClientSampleId :

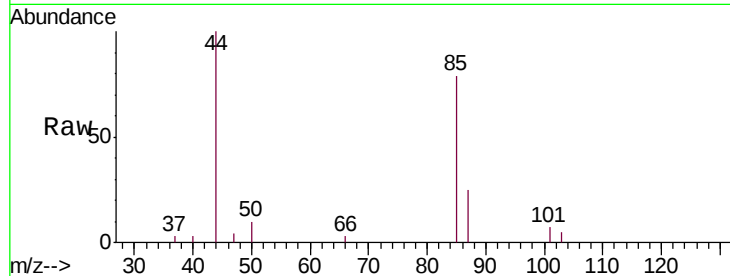
MDL03

Tgt Ion: 85 Resp: 4181

Ion Ratio Lower Upper

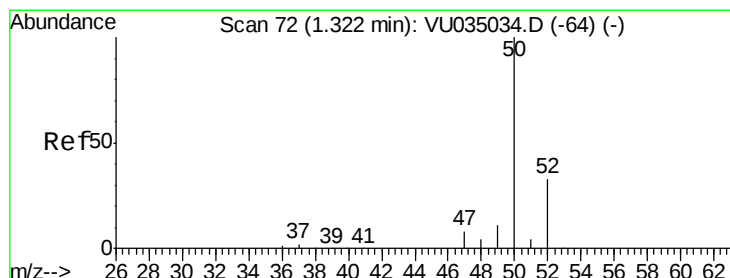
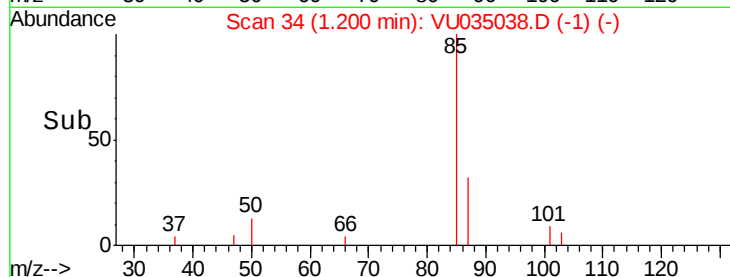
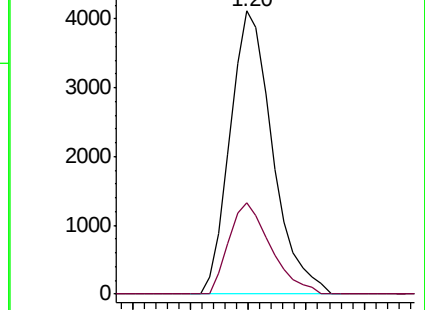
85 100

87 31.7 26.3 39.5



Abundance Ion 85.00 (84.70 to 85.70): VU035034.D (-26) (-)

Ion 87.00 (86.70 to 87.70): VU035034.D (-26) (-)



#3

Chloromethane

Concen: 0.309 ug/L

RT: 1.32 min Scan# 72

Delta R.T. 0.00 min

Lab File: VU035038.D

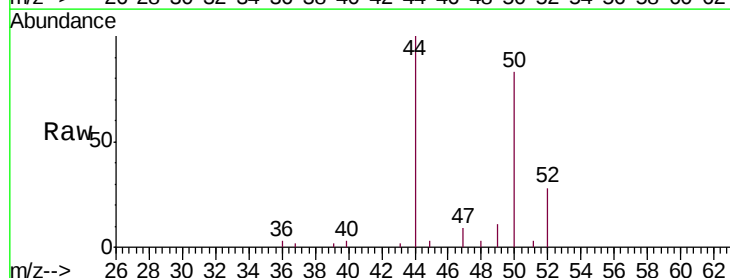
Acq: 10 Oct 2019 10:41

Tgt Ion: 50 Resp: 5044

Ion Ratio Lower Upper

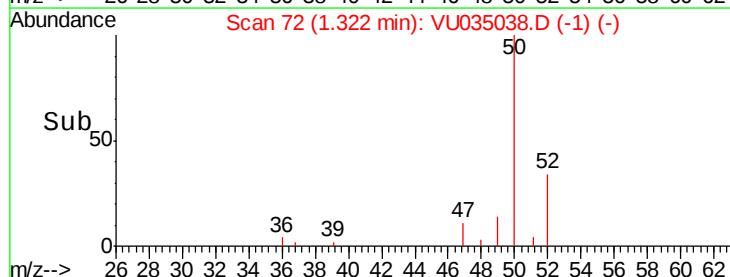
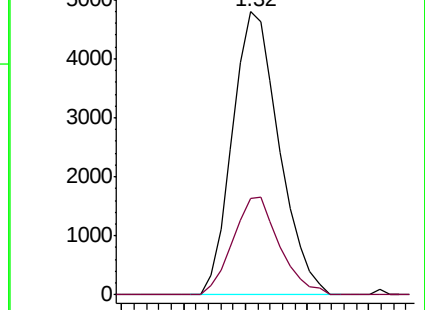
50 100

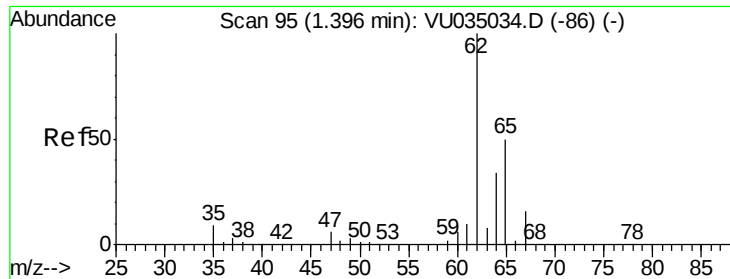
52 34.2 23.3 43.3



Abundance Ion 50.05 (49.75 to 50.75): VU035034.D (-64) (-)

Ion 52.05 (51.75 to 52.75): VU035034.D (-64) (-)





#5

Vinyl chloride

Concen: 0.320 ug/L

RT: 1.40 min Scan# 95

Delta R.T. 0.00 min

Lab File: VU035038.D

Acq: 10 Oct 2019 10:41

Instrument :

MSVOA_U

ClientSampled :

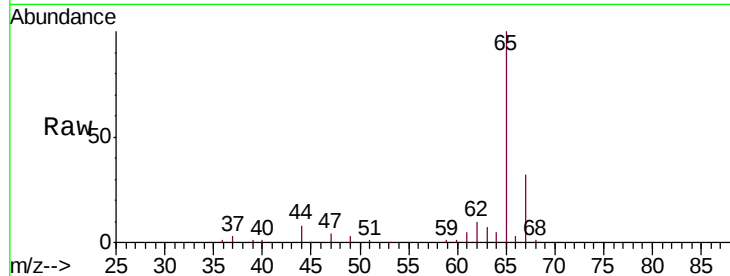
MDL03

Tgt Ion: 62 Resp: 5123

Ion Ratio Lower Upper

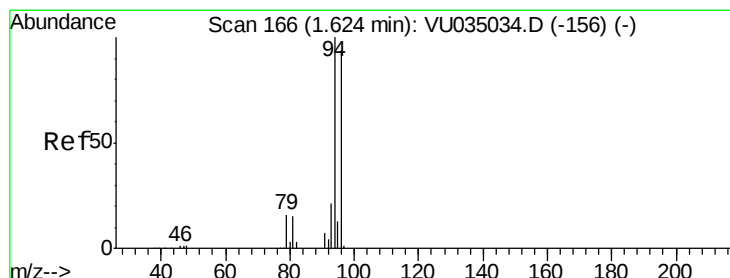
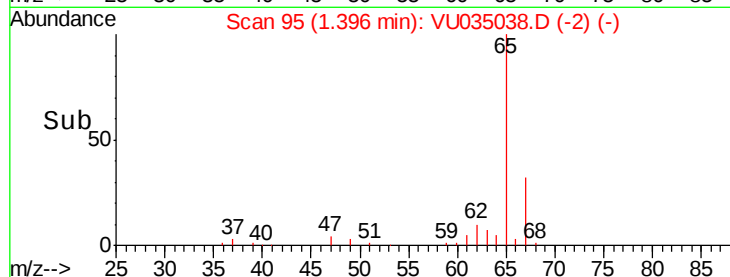
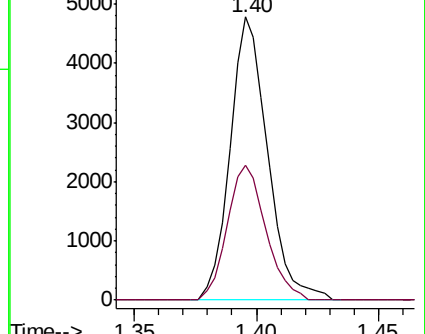
62 100

64 47.6 22.8 42.4#



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 64.10 (63.80 to 64.80): VU0



#6

Bromomethane

Concen: 0.313 ug/L

RT: 1.62 min Scan# 166

Delta R.T. 0.00 min

Lab File: VU035038.D

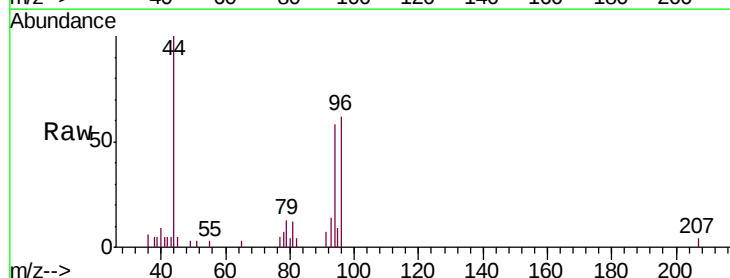
Acq: 10 Oct 2019 10:41

Tgt Ion: 94 Resp: 2788

Ion Ratio Lower Upper

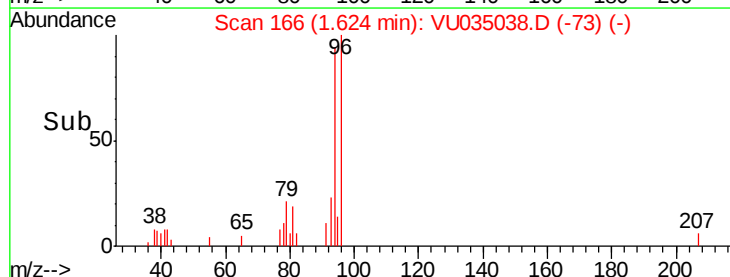
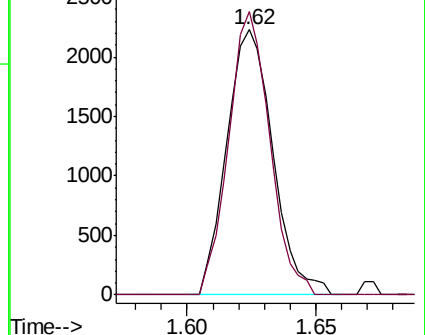
94 100

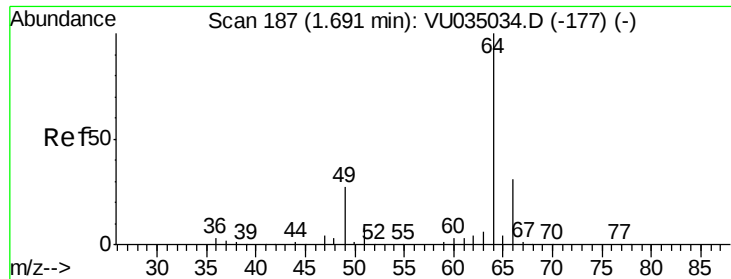
96 106.8 62.4 116.0



Abundance Ion 94.00 (93.70 to 94.70): VU0

Ion 96.00 (95.70 to 96.70): VU0





#8

Chloroethane

Concen: 0.302 ug/L

RT: 1.69 min Scan# 187

Delta R.T. 0.00 min

Lab File: VU035038.D

Acq: 10 Oct 2019 10:41

Instrument :

MSVOA_U

ClientSampled :

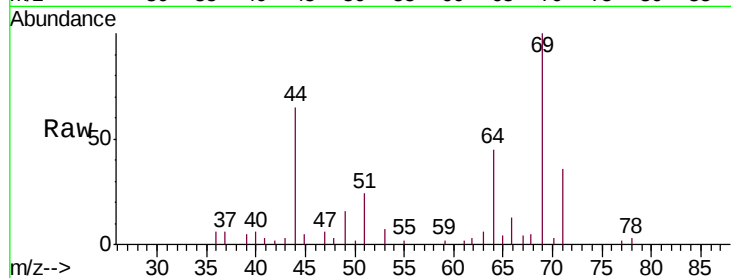
MDL03

Tgt Ion: 64 Resp: 2901

Ion Ratio Lower Upper

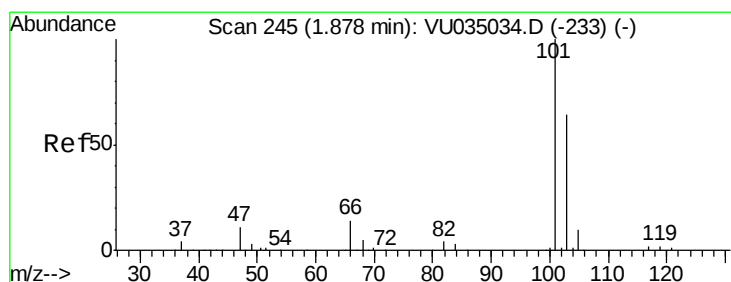
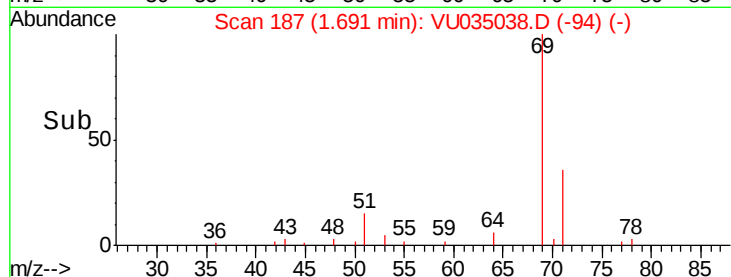
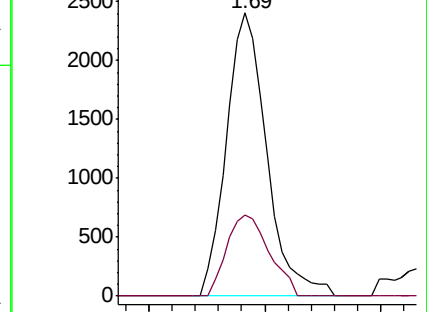
64 100

66 28.5 23.2 43.2



Abundance Ion 64.10 (63.80 to 64.80): VU035038.D (-177) (-)

Ion 66.05 (65.75 to 66.75): VU035038.D (-177) (-)



#9

Trichlorofluoromethane

Concen: 0.290 ug/L

RT: 1.88 min Scan# 245

Delta R.T. 0.00 min

Lab File: VU035038.D

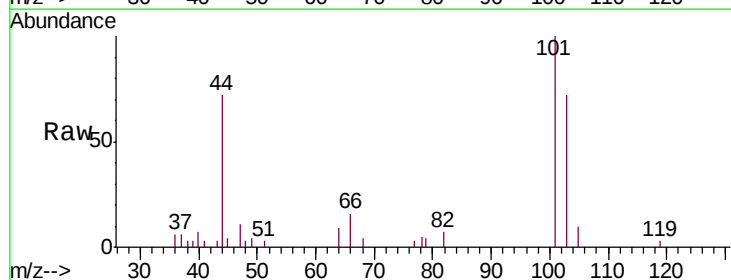
Acq: 10 Oct 2019 10:41

Tgt Ion: 101 Resp: 5623

Ion Ratio Lower Upper

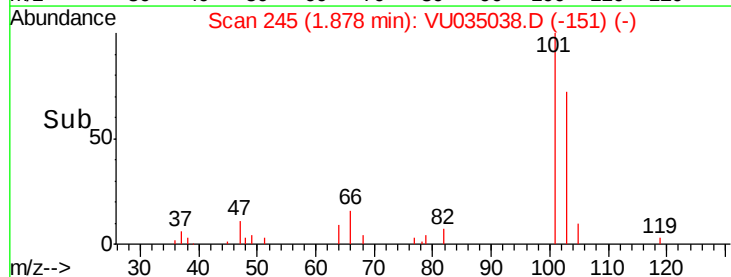
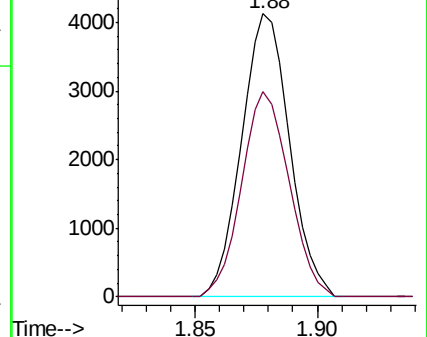
101 100

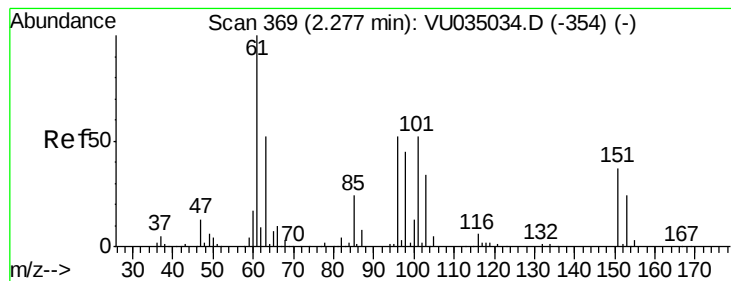
103 71.8 52.2 78.4



Abundance Ion 101.00 (100.70 to 101.70): VU035038.D (-233) (-)

Ion 103.00 (102.70 to 103.70): VU035038.D (-233) (-)





#10

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

Concen: 0.323 ug/L

RT: 2.27 min Scan# 368

Delta R.T. 0.00 min

Lab File: VU035038.D

Acq: 10 Oct 2019 10:41

Instrument :

MSVOA_U

ClientSampled :

MDL03

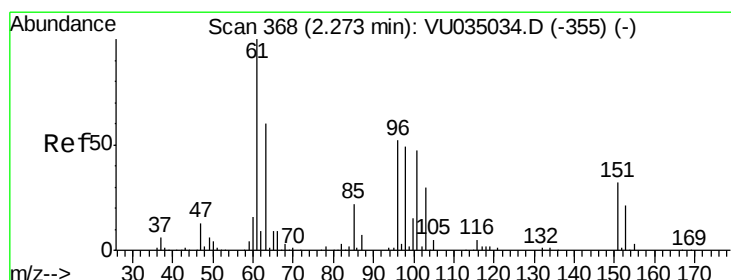
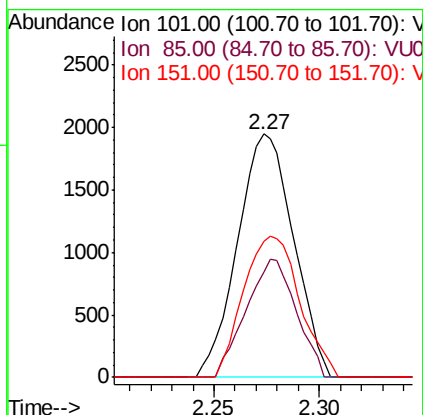
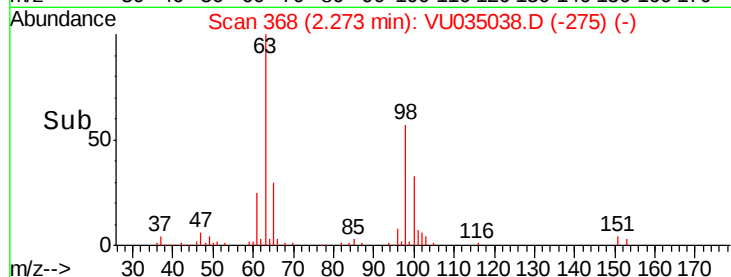
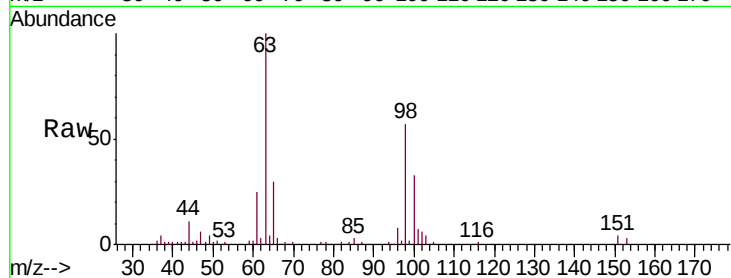
Tgt Ion:101 Resp: 3593

Ion Ratio Lower Upper

101 100

85 43.4 37.4 56.0

151 58.5 58.6 87.8#



#12

1,1-Dichloroethene

Concen: 0.359 ug/L

RT: 2.27 min Scan# 368

Delta R.T. 0.00 min

Lab File: VU035038.D

Acq: 10 Oct 2019 10:41

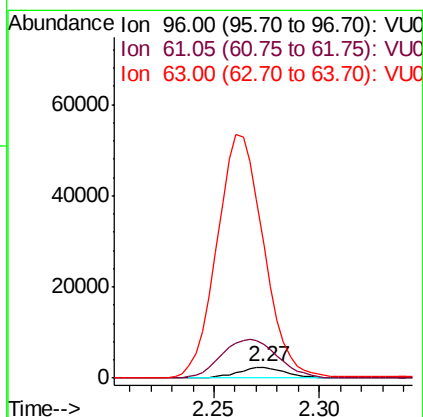
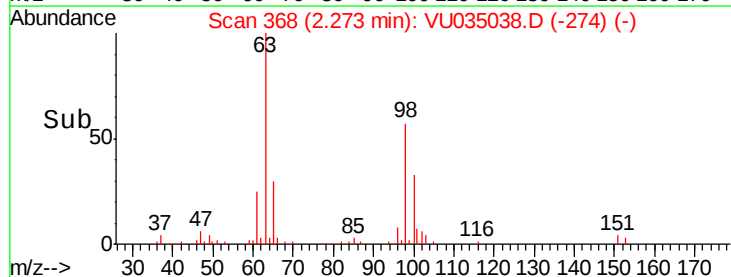
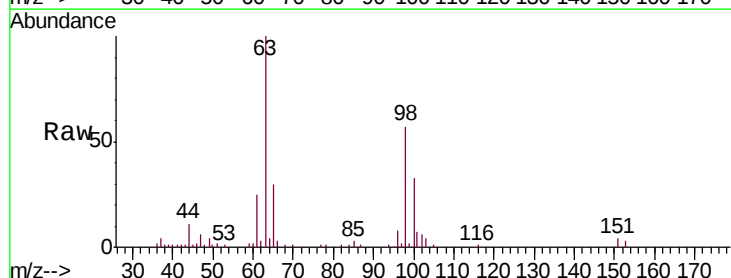
Tgt Ion: 96 Resp: 3756

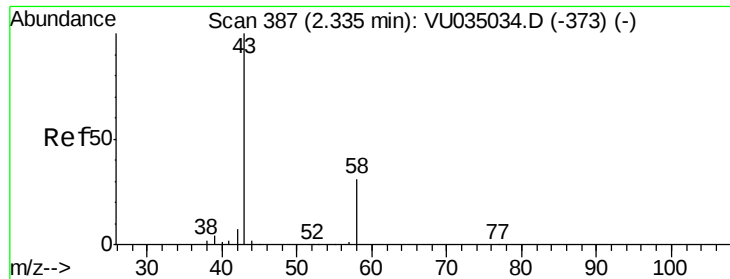
Ion Ratio Lower Upper

96 100

61 313.2 129.3 240.1#

63 1243.4 108.9 202.3#





#13

Acetone

Concen: 4.000 ug/L

RT: 2.32 min Scan# 383

Delta R.T. -0.01 min

Lab File: VU035038.D

Acq: 10 Oct 2019 10:41

Instrument :

MSVOA_U

ClientSampleId :

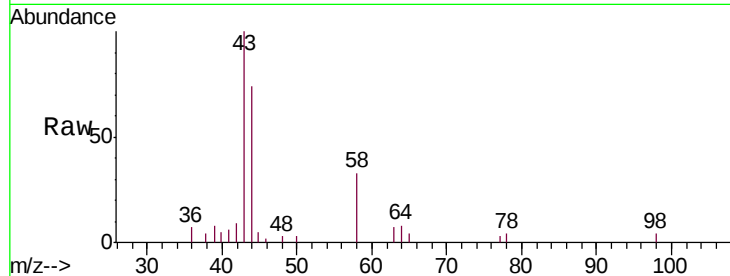
MDL03

Tgt Ion: 43 Resp: 9279

Ion Ratio Lower Upper

43 100

58 30.1 0.0 66.6



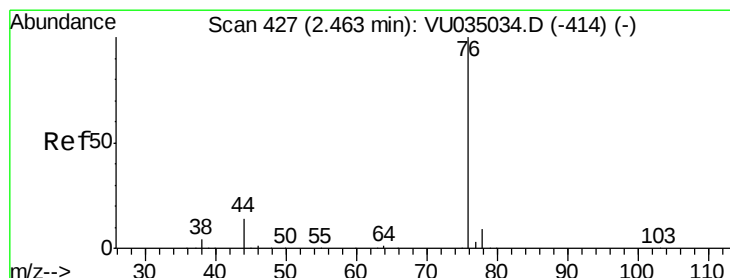
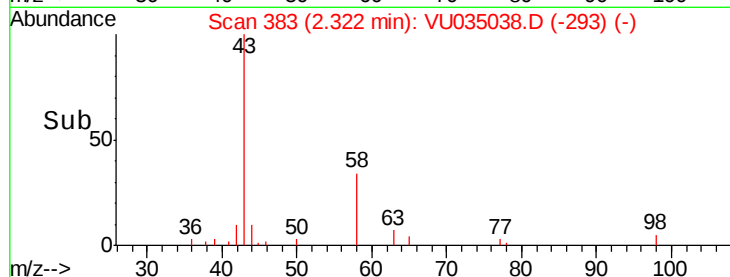
Abundance Ion 43.05 (42.75 to 43.75): VU035034.D (-373) (-)

Ion 58.05 (57.75 to 58.75): VU035034.D (-373) (-)

2.32

Time-->

2.30 2.40



#14

Carbon disulfide

Concen: 0.285 ug/L

RT: 2.47 min Scan# 428

Delta R.T. 0.00 min

Lab File: VU035038.D

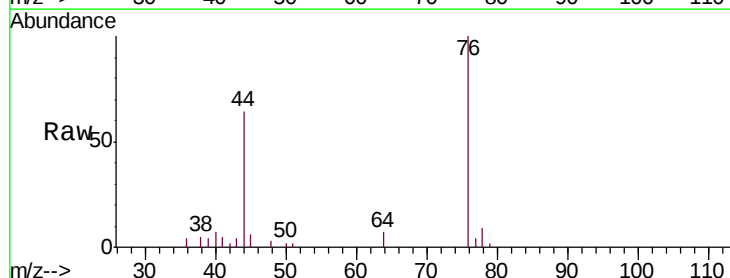
Acq: 10 Oct 2019 10:41

Tgt Ion: 76 Resp: 9899

Ion Ratio Lower Upper

76 100

78 9.2 7.1 10.7



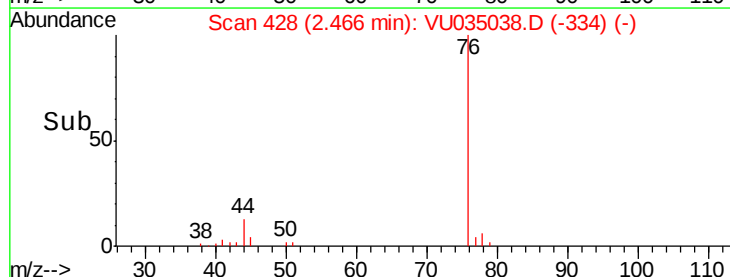
Abundance Ion 76.05 (75.75 to 76.75): VU035034.D (-414) (-)

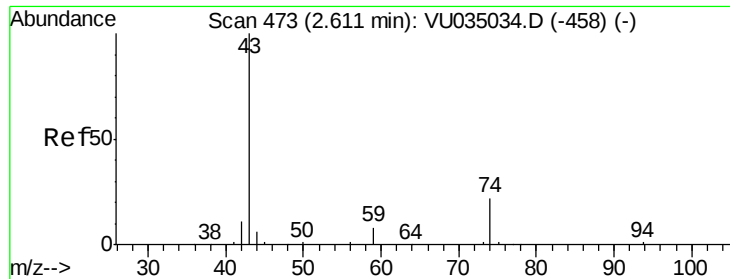
Ion 78.00 (77.70 to 78.70): VU035034.D (-414) (-)

2.47

Time-->

2.40 2.45 2.50 2.55

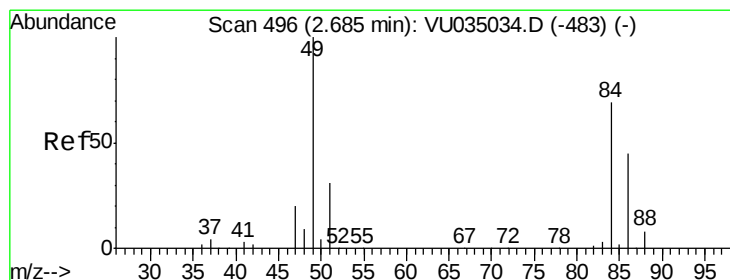
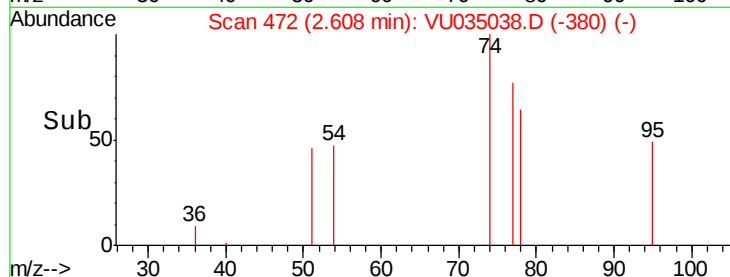
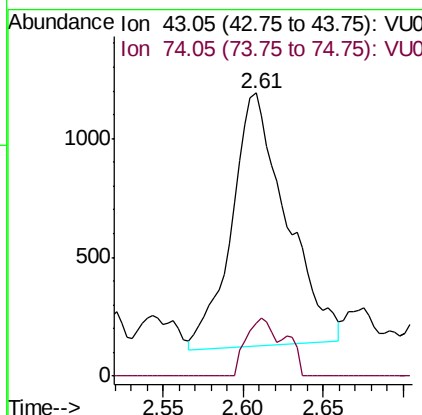
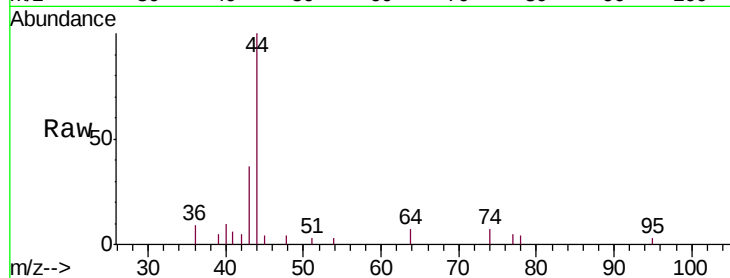




#15
Methyl Acetate
Concen: 0.405 ug/L
RT: 2.61 min Scan# 472
Delta R.T. -0.00 min
Lab File: VU035038.D
Acq: 10 Oct 2019 10:41

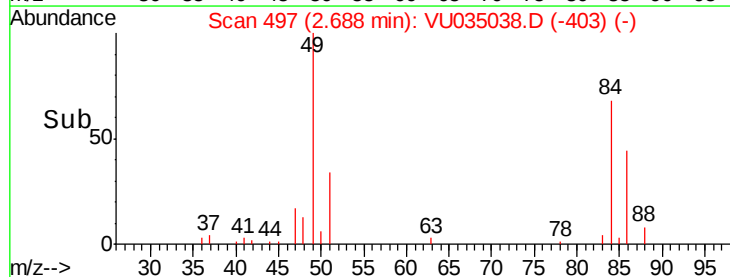
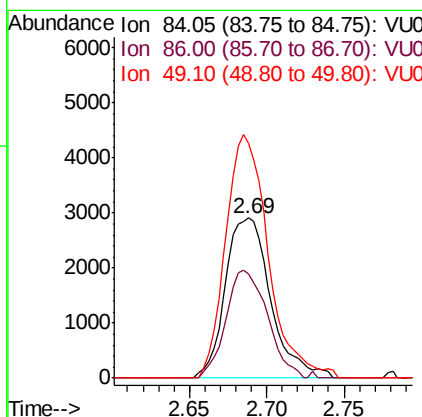
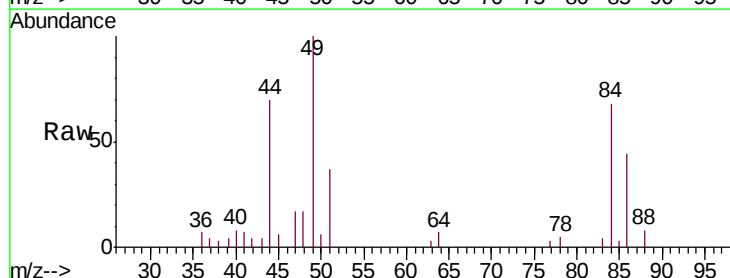
Instrument :
MSVOA_U
ClientSampleId :
MDL03

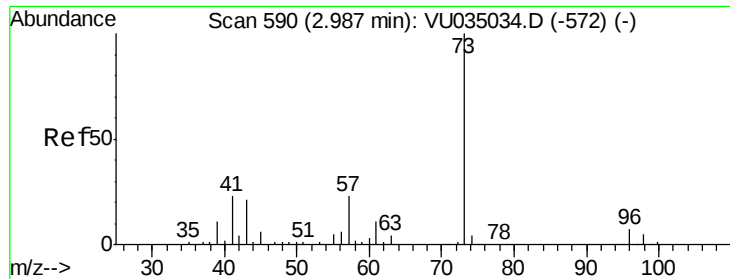
Tgt Ion: 43 Resp: 2500
Ion Ratio Lower Upper
43 100
74 11.4 17.8 26.8#



#16
Methylene chloride
Concen: 0.458 ug/L
RT: 2.69 min Scan# 497
Delta R.T. 0.00 min
Lab File: VU035038.D
Acq: 10 Oct 2019 10:41

Tgt Ion: 84 Resp: 5928
Ion Ratio Lower Upper
84 100
86 64.7 42.5 78.9
49 146.6 86.9 161.3

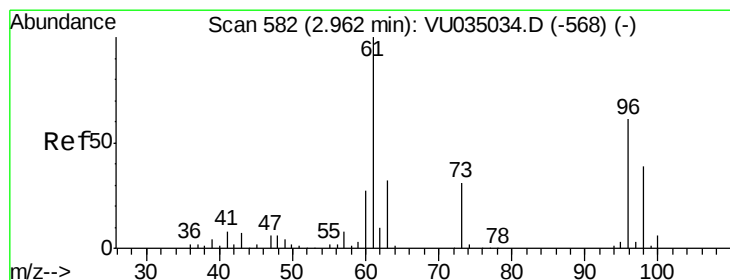
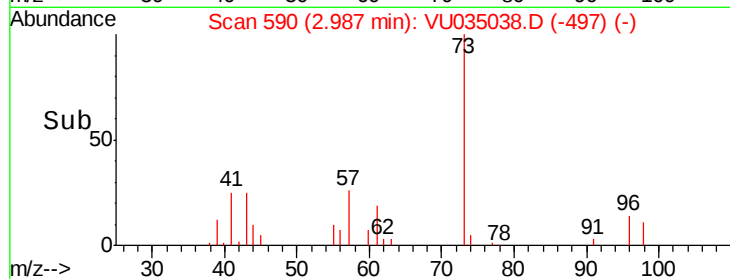
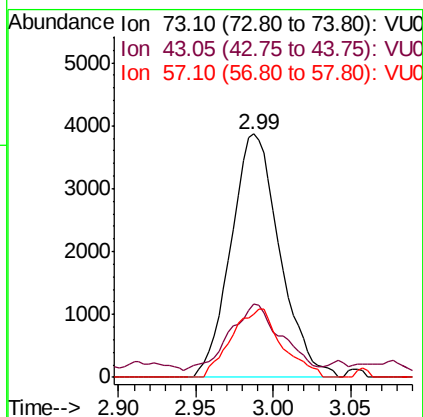
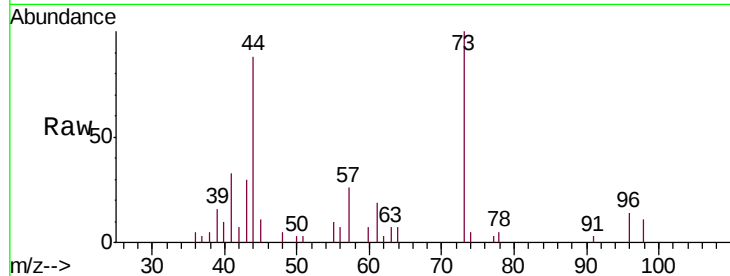




#17
Methyl tert-butyl Ether
Concen: 0.298 ug/L
RT: 2.99 min Scan# 590
Delta R.T. 0.00 min
Lab File: VU035038.D
Acq: 10 Oct 2019 10:41

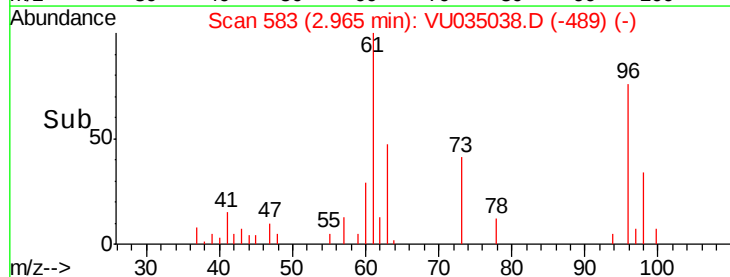
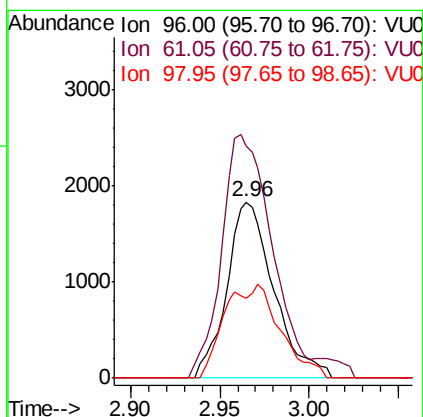
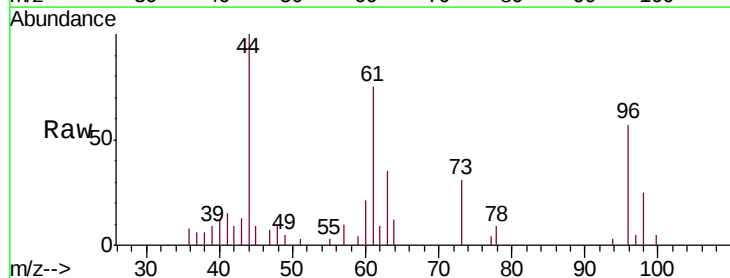
Instrument :
MSVOA_U
ClientSampleId :
MDL03

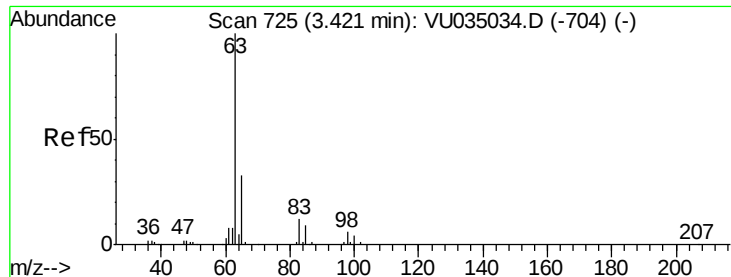
Tgt Ion: 73 Resp: 8491
Ion Ratio Lower Upper
73 100
43 27.7 16.3 24.5#
57 29.0 18.6 28.0#



#18
trans-1,2-Dichloroethene
Concen: 0.300 ug/L
RT: 2.96 min Scan# 583
Delta R.T. 0.00 min
Lab File: VU035038.D
Acq: 10 Oct 2019 10:41

Tgt Ion: 96 Resp: 3355
Ion Ratio Lower Upper
96 100
61 131.9 107.1 198.9
98 44.9 45.4 84.4#

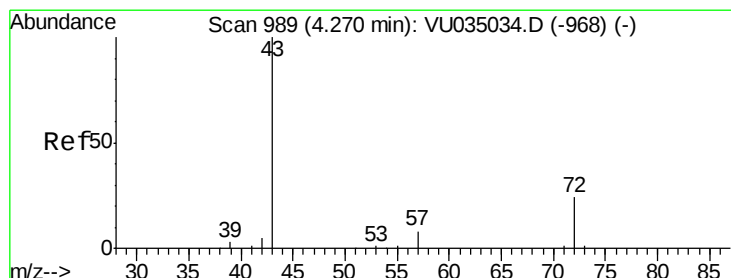
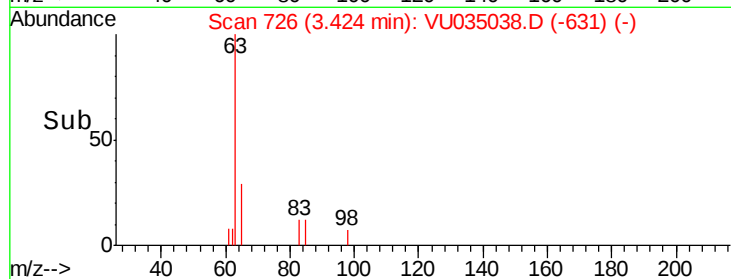
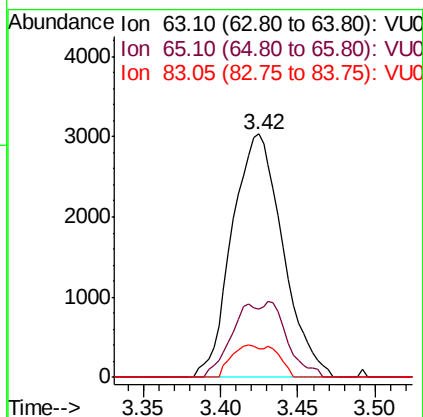
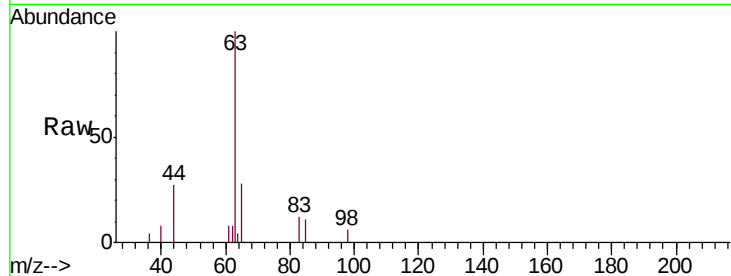




#19
 1,1-Dichloroethane
 Concen: 0.311 ug/L
 RT: 3.42 min Scan# 726
 Delta R.T. 0.01 min
 Lab File: VU035038.D
 Acq: 10 Oct 2019 10:41

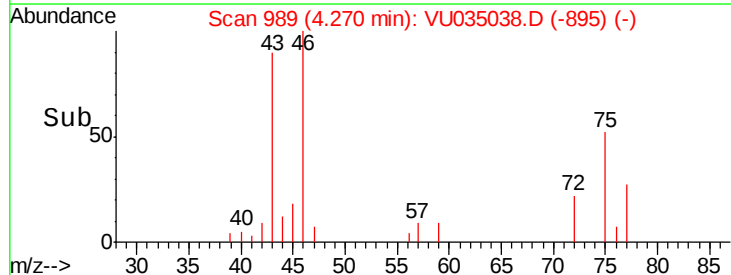
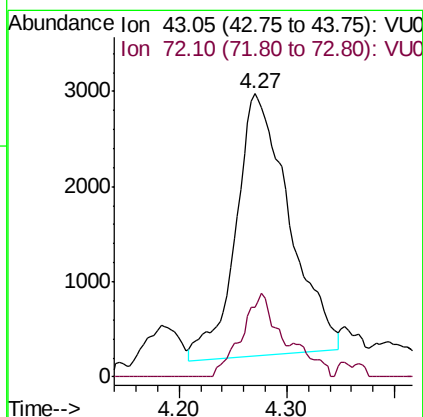
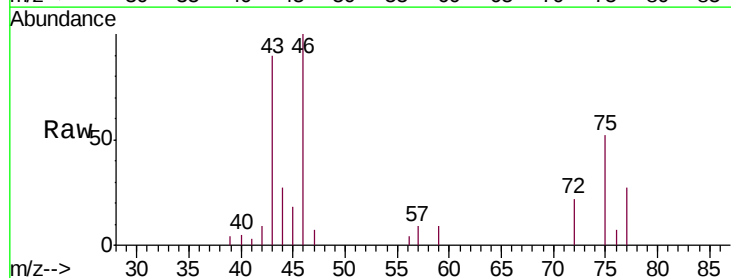
Instrument :
 MSVOA_U
 ClientSampleId :
 MDL03

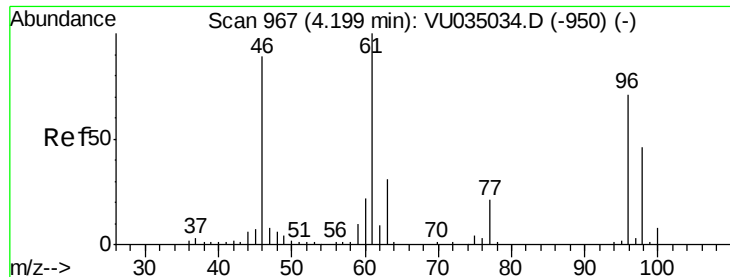
Tgt Ion: 63 Resp: 6914
 Ion Ratio Lower Upper
 63 100
 65 28.0 21.7 40.3
 83 11.5 9.0 16.8



#21
 2-Butanone
 Concen: 2.883 ug/L
 RT: 4.27 min Scan# 989
 Delta R.T. 0.00 min
 Lab File: VU035038.D
 Acq: 10 Oct 2019 10:41

Tgt Ion: 43 Resp: 9526
 Ion Ratio Lower Upper
 43 100
 72 20.8 13.5 40.4



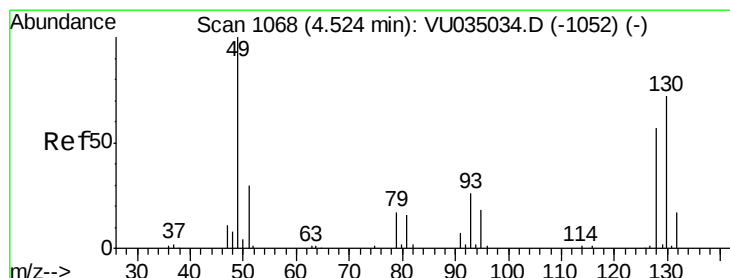
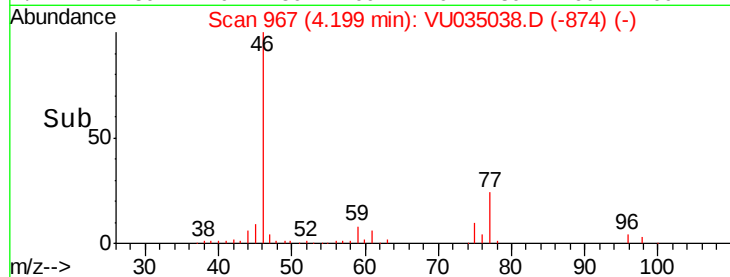
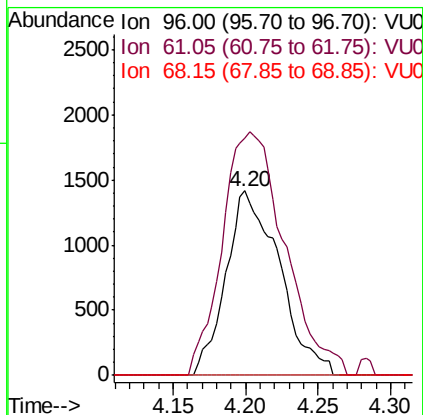
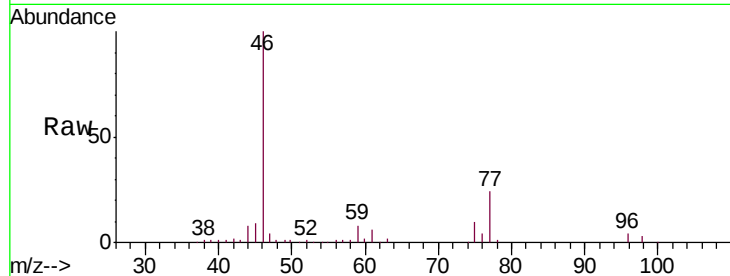


#22

cis-1,2-Dichloroethene
 Concen: 0.291 ug/L
 RT: 4.20 min Scan# 967
 Delta R.T. 0.00 min
 Lab File: VU035038.D
 Acq: 10 Oct 2019 10:41

Instrument :
 MSVOA_U
 ClientSampleId :
 MDL03

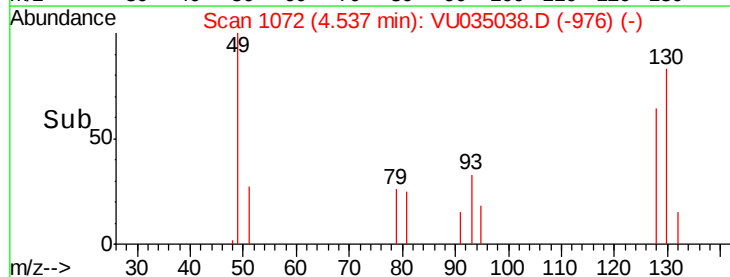
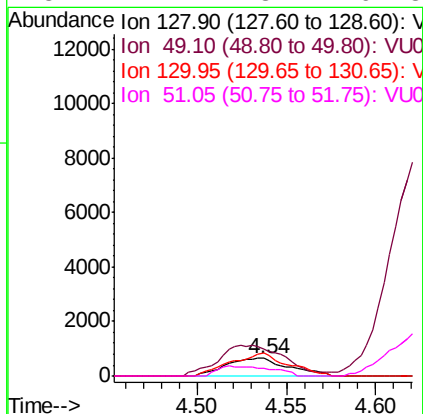
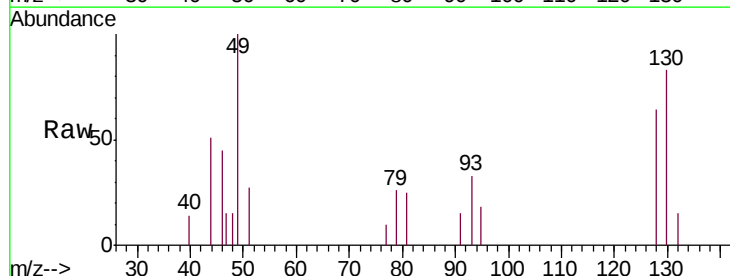
Tgt Ion: 96 Resp: 3636
 Ion Ratio Lower Upper
 96 100
 61 128.3 89.2 165.6
 68 0.0 0.0 0.0

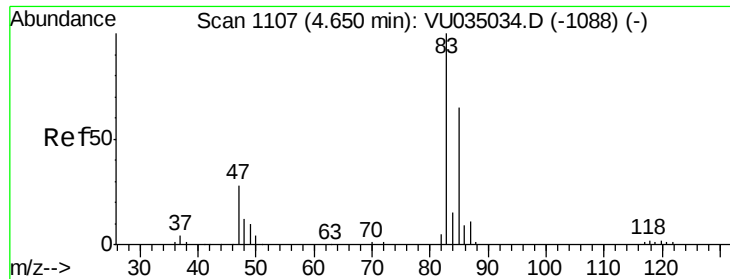


#23

Bromochloromethane
 Concen: 0.306 ug/L
 RT: 4.54 min Scan# 1072
 Delta R.T. 0.01 min
 Lab File: VU035038.D
 Acq: 10 Oct 2019 10:41

Tgt Ion: 128 Resp: 1602
 Ion Ratio Lower Upper
 128 100
 49 155.4 110.5 205.3
 130 129.2 88.6 164.6
 51 42.4 43.2 64.8#

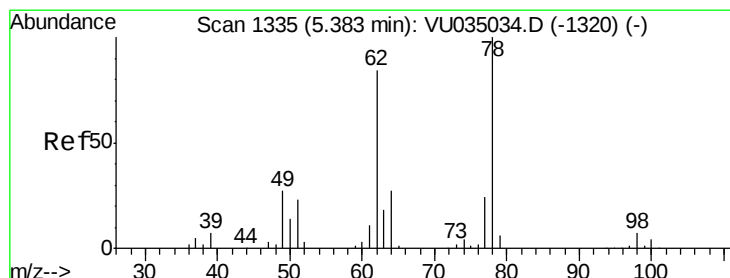
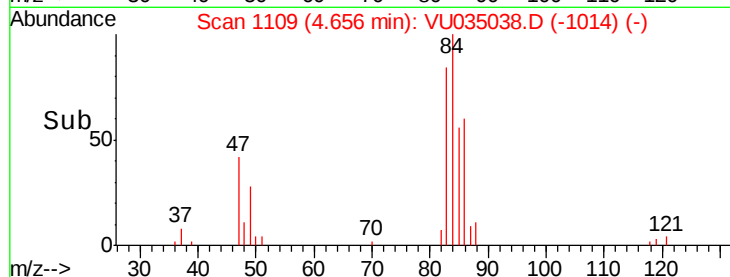
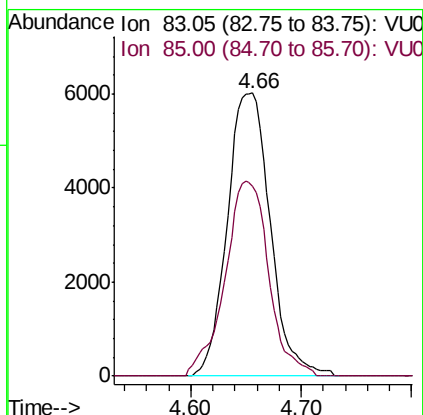
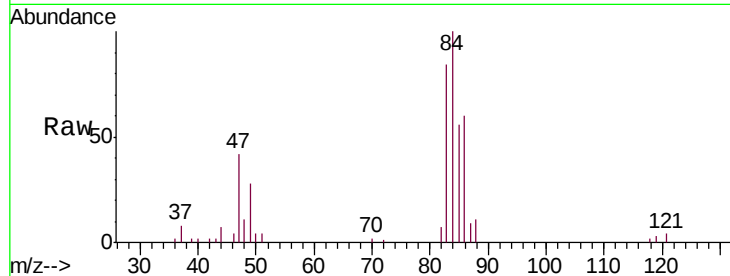




#25
Chloroform
Concen: 0.650 ug/L
RT: 4.66 min Scan# 1109
Delta R.T. 0.01 min
Lab File: VU035038.D
Acq: 10 Oct 2019 10:41

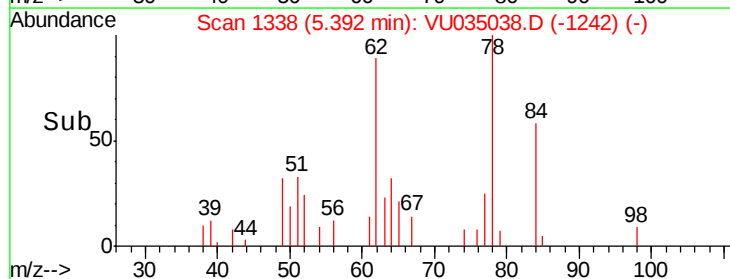
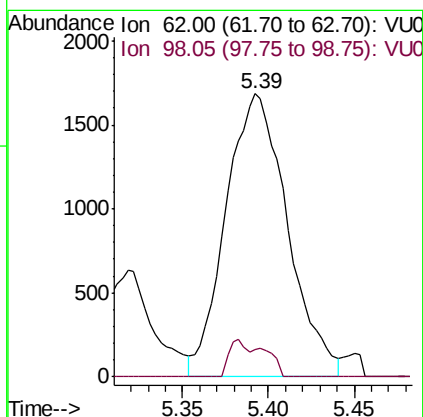
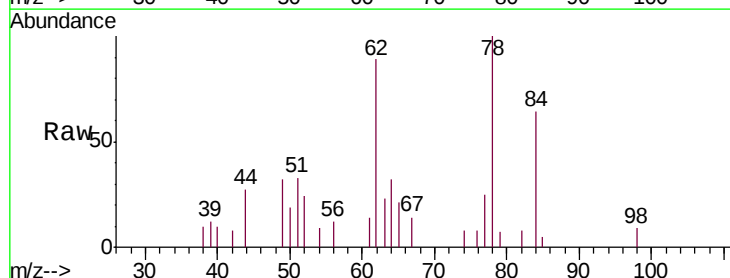
Instrument :
MSVOA_U
ClientSampled :
MDL03

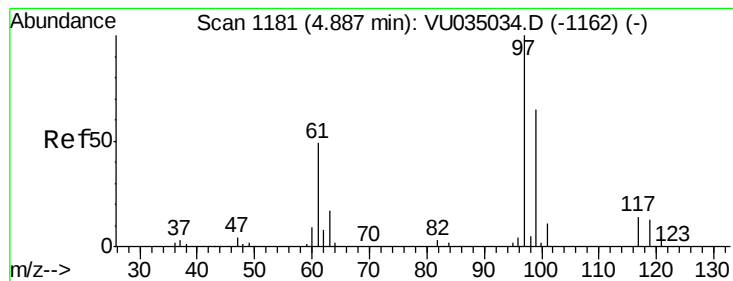
Tgt Ion: 83 Resp: 16246
Ion Ratio Lower Upper
83 100
85 67.2 45.4 84.4



#27
1,2-Dichloroethane
Concen: 0.288 ug/L
RT: 5.39 min Scan# 1338
Delta R.T. 0.01 min
Lab File: VU035038.D
Acq: 10 Oct 2019 10:41

Tgt Ion: 62 Resp: 4204
Ion Ratio Lower Upper
62 100
98 9.6 6.6 10.0





#29

1,1,1-Trichloroethane

Concen: 0.290 ug/L

RT: 4.89 min Scan# 1181

Delta R.T. 0.00 min

Lab File: VU035038.D

Acq: 10 Oct 2019 10:41

Instrument :

MSVOA_U

ClientSampleId :

MDL03

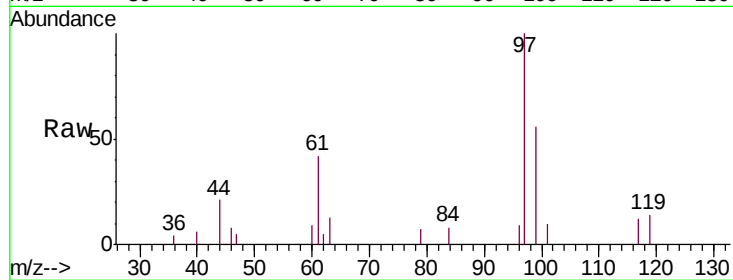
Tgt Ion: 97 Resp: 5468

Ion Ratio Lower Upper

97 100

99 56.3 51.6 77.4

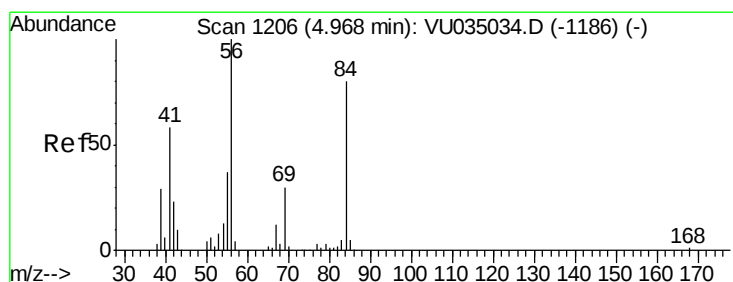
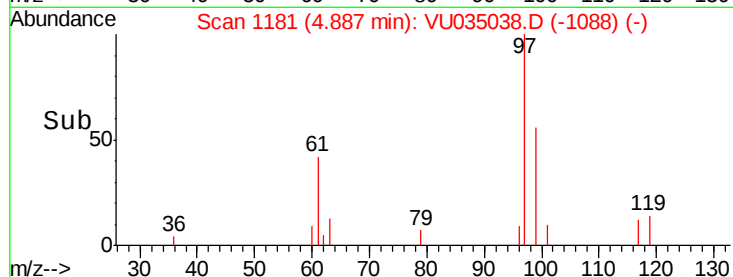
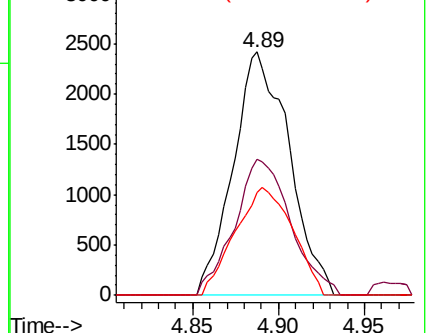
61 45.7 36.2 54.4



Abundance Ion 96.95 (96.65 to 97.65): VU035038.D (-1162) (-)

Ion 99.05 (98.75 to 99.75): VU035038.D (-1162) (-)

Ion 61.05 (60.75 to 61.75): VU035038.D (-1162) (-)



#30

Cyclohexane

Concen: 0.266 ug/L

RT: 4.97 min Scan# 1206

Delta R.T. 0.00 min

Lab File: VU035038.D

Acq: 10 Oct 2019 10:41

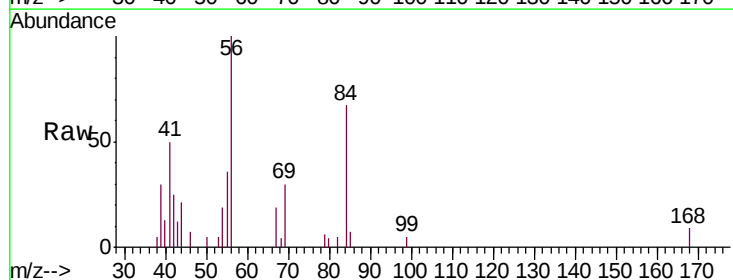
Tgt Ion: 56 Resp: 5503

Ion Ratio Lower Upper

56 100

69 29.3 23.9 35.9

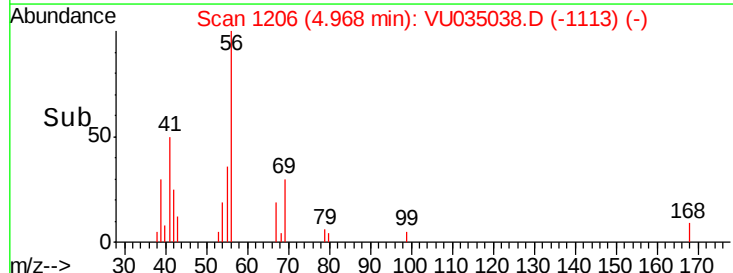
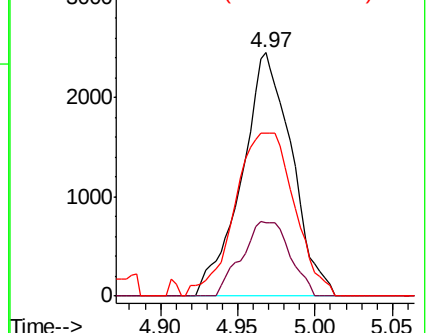
84 79.7 69.5 104.3

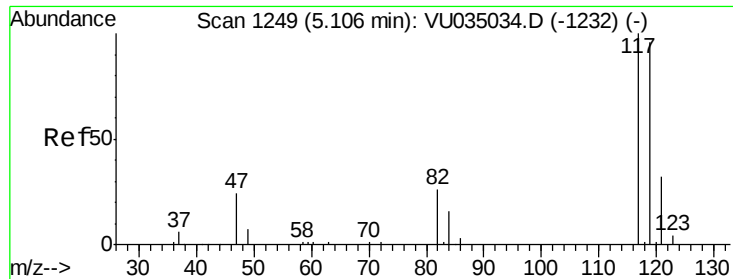


Abundance Ion 56.10 (55.80 to 56.80): VU035038.D (-1186) (-)

Ion 69.15 (68.85 to 69.85): VU035038.D (-1186) (-)

Ion 84.15 (83.85 to 84.85): VU035038.D (-1186) (-)





#31

Carbon tetrachloride

Concen: 0.275 ug/L

RT: 5.11 min Scan# 1250

Delta R.T. 0.00 min

Lab File: VU035038.D

Acq: 10 Oct 2019 10:41

Instrument :

MSVOA_U

ClientSampleId :

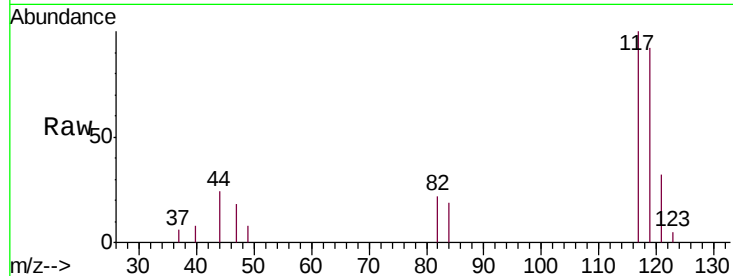
MDL03

Tgt Ion:117 Resp: 4481

Ion Ratio Lower Upper

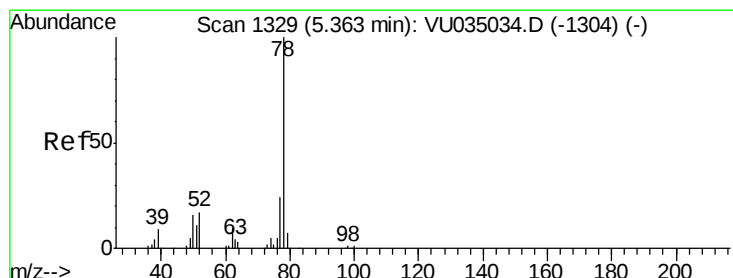
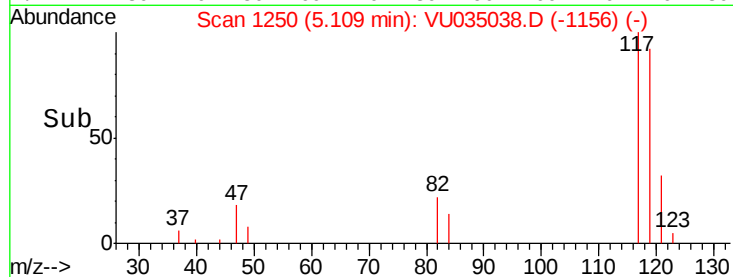
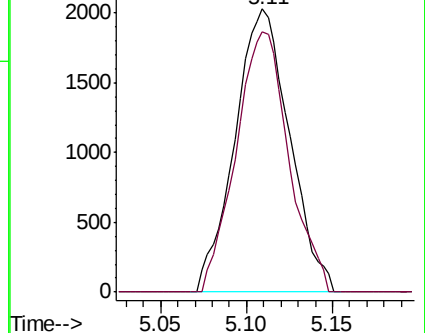
117 100

119 88.5 77.5 116.3



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V



#33

Benzene

Concen: 0.278 ug/L

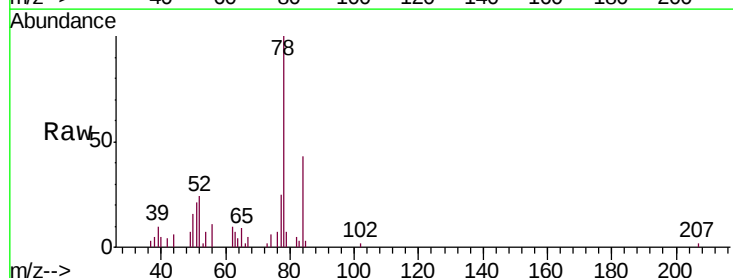
RT: 5.37 min Scan# 1331

Delta R.T. 0.01 min

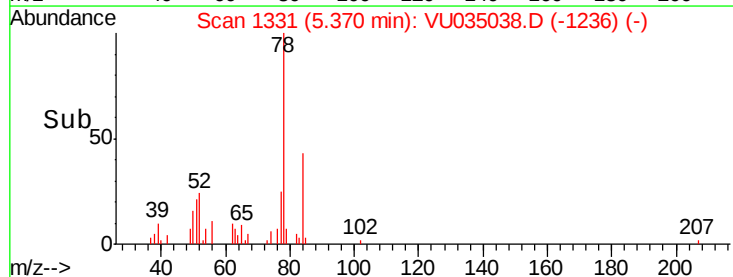
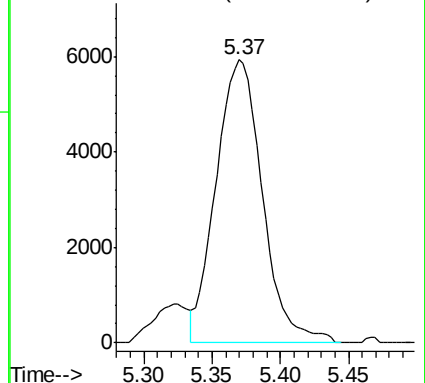
Lab File: VU035038.D

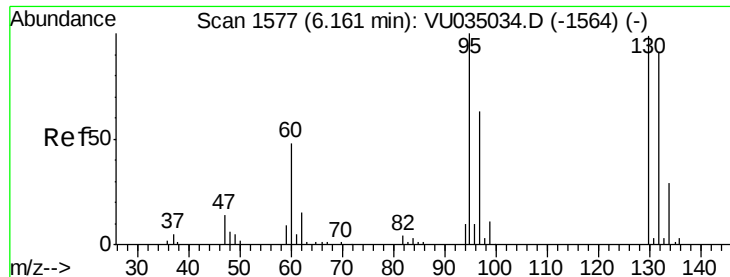
Acq: 10 Oct 2019 10:41

Tgt Ion: 78 Resp: 14038



Abundance Ion 78.10 (77.80 to 78.80): VU0





#34

Trichloroethene

Concen: 0.273 ug/L

RT: 6.17 min Scan# 1580

Delta R.T. 0.01 min

Lab File: VU035038.D

Acq: 10 Oct 2019 10:41

Instrument :

MSVOA_U

ClientSampleId :

MDL03

Tgt Ion: 95 Resp: 3554

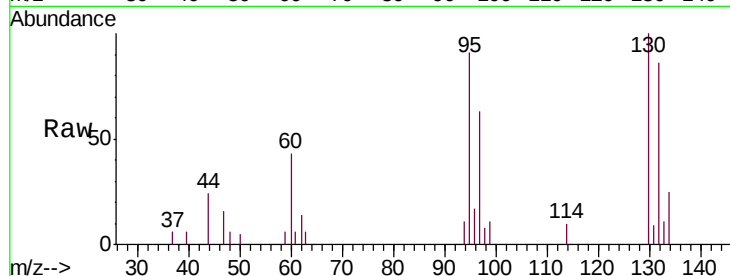
Ion Ratio Lower Upper

95 100

97 69.4 44.5 82.7

132 94.4 66.6 123.8

130 109.5 68.9 127.9

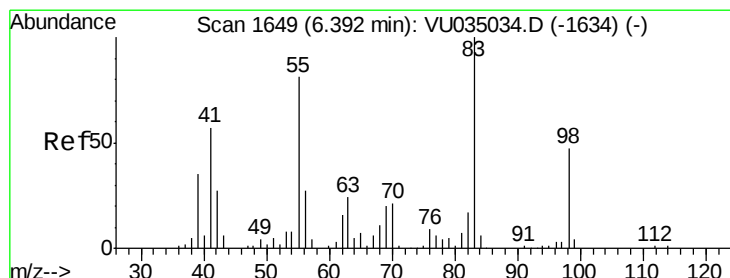
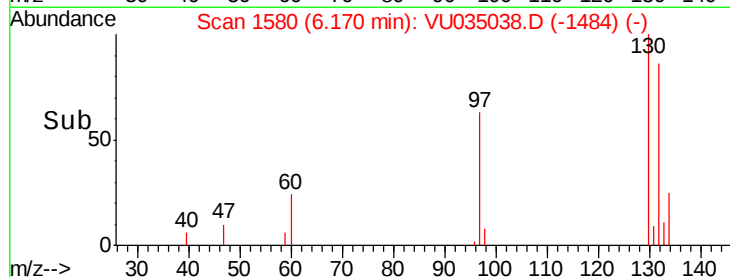
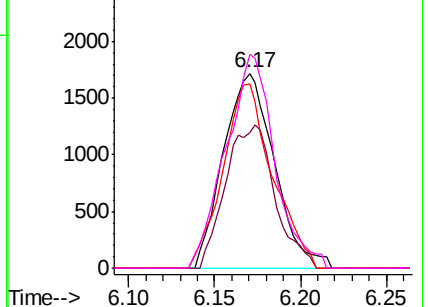


Abundance Ion 95.00 (94.70 to 95.70): VU035034.D (-1564) (-)

Ion 96.95 (96.65 to 97.65): VU035034.D (-1564) (-)

Ion 131.95 (131.65 to 132.65): VU035034.D (-1564) (-)

Ion 129.95 (129.65 to 130.65): VU035034.D (-1564) (-)



#35

Methylcyclohexane

Concen: 0.269 ug/L

RT: 6.40 min Scan# 1650

Delta R.T. 0.01 min

Lab File: VU035038.D

Acq: 10 Oct 2019 10:41

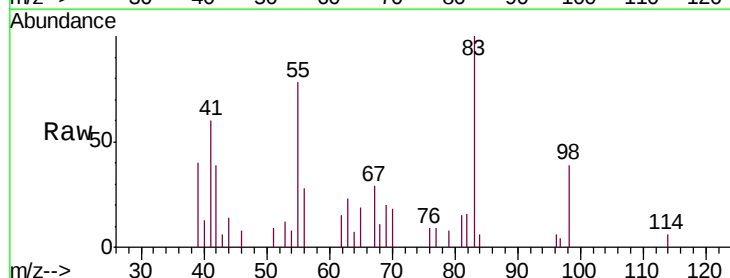
Tgt Ion: 83 Resp: 5683

Ion Ratio Lower Upper

83 100

55 76.6 62.6 94.0

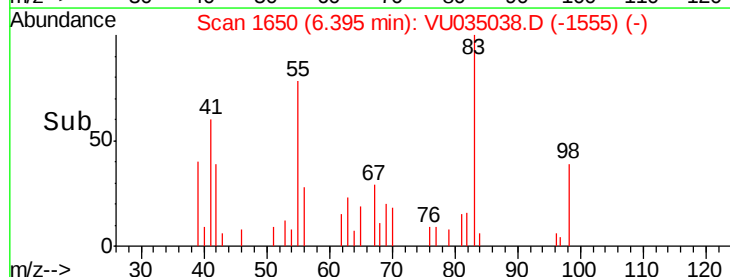
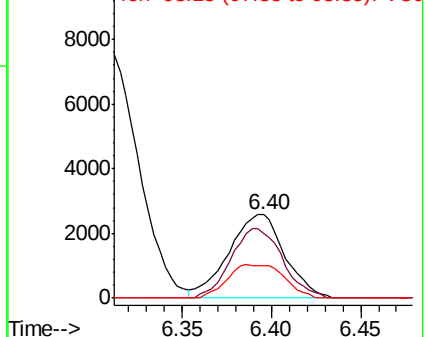
98 40.5 36.2 54.2

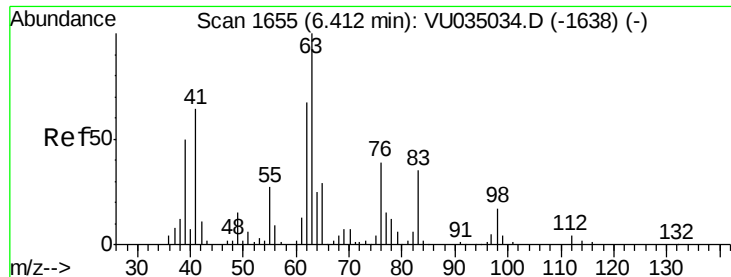


Abundance Ion 83.15 (82.85 to 83.85): VU035034.D (-1634) (-)

Ion 55.10 (54.80 to 55.80): VU035034.D (-1634) (-)

Ion 98.15 (97.85 to 98.85): VU035034.D (-1634) (-)

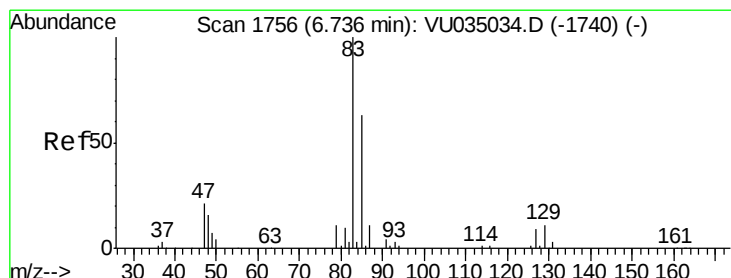
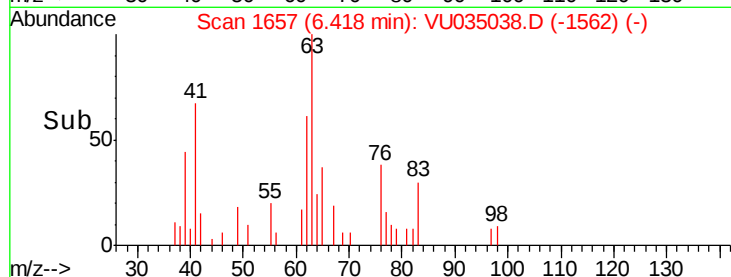
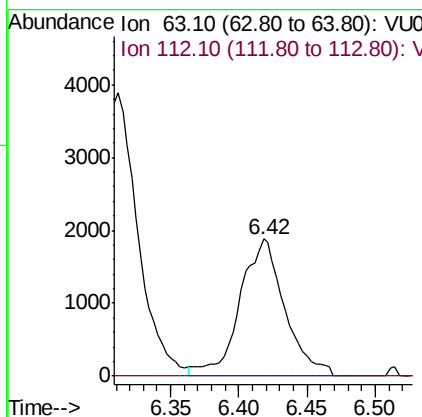
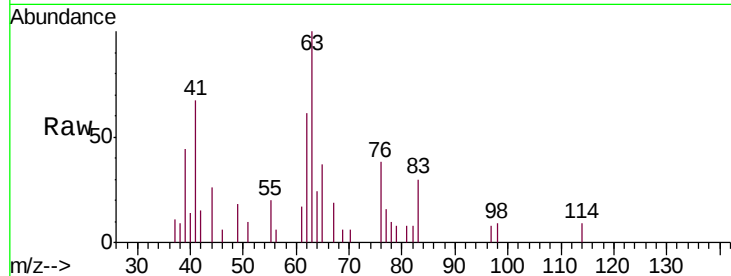




#37
 1,2-Dichloropropane
 Concen: 0.316 ug/L
 RT: 6.42 min Scan# 1657
 Delta R.T. 0.01 min
 Lab File: VU035038.D
 Acq: 10 Oct 2019 10:41

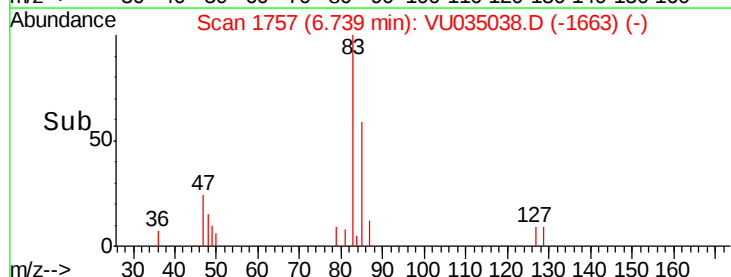
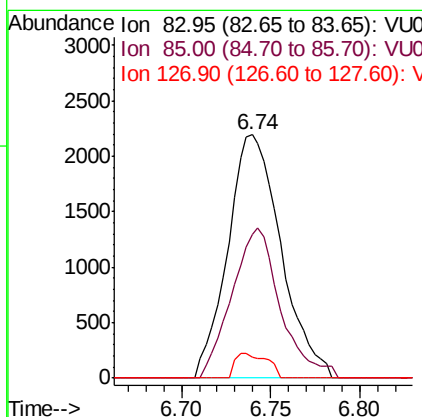
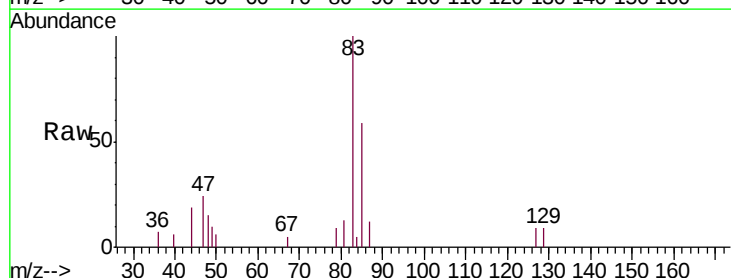
Instrument :
 MSVOA_U
 ClientSampleId :
 MDL03

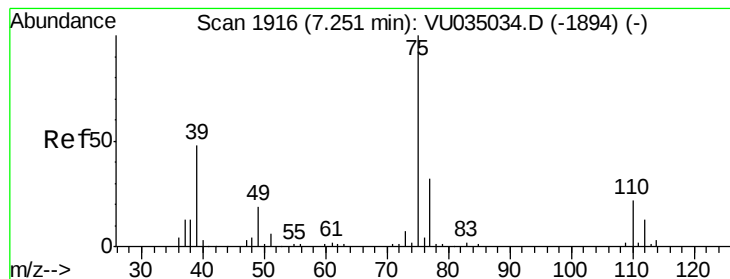
Tgt Ion: 63 Resp: 4308
 Ion Ratio Lower Upper
 63 100
 112 0.0 3.1 4.7#



#38
 Bromodichloromethane
 Concen: 0.286 ug/L
 RT: 6.74 min Scan# 1757
 Delta R.T. 0.00 min
 Lab File: VU035038.D
 Acq: 10 Oct 2019 10:41

Tgt Ion: 83 Resp: 4562
 Ion Ratio Lower Upper
 83 100
 85 59.0 44.0 81.8
 127 8.8 7.0 10.4



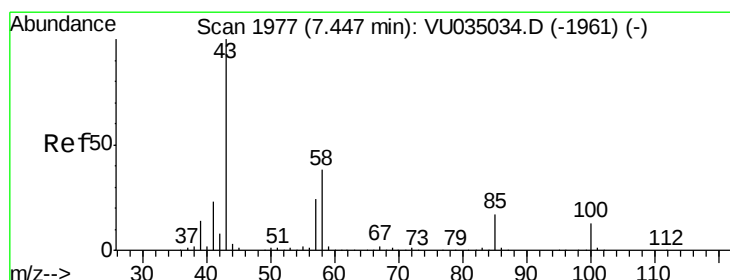
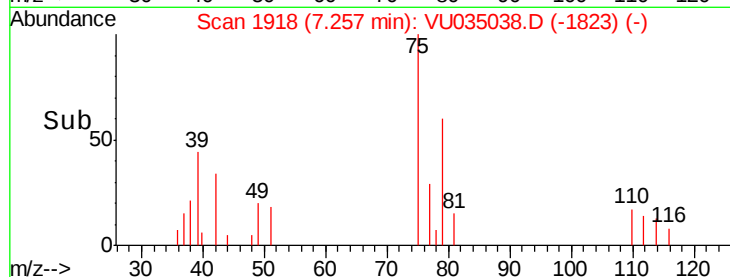
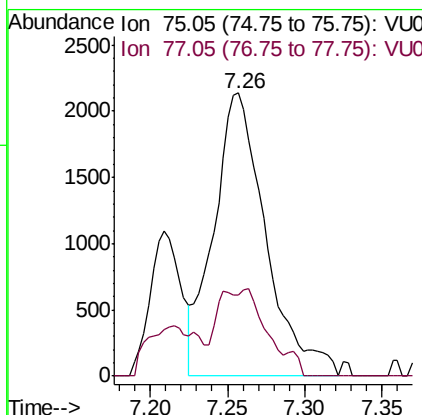
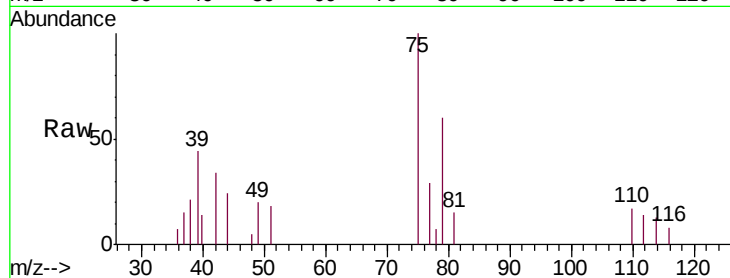


#39

cis-1,3-Dichloropropene
 Concen: 0.271 ug/L
 RT: 7.26 min Scan# 1918
 Delta R.T. 0.01 min
 Lab File: VU035038.D
 Acq: 10 Oct 2019 10:41

Instrument :
 MSVOA_U
 ClientSampleID :
 MDL03

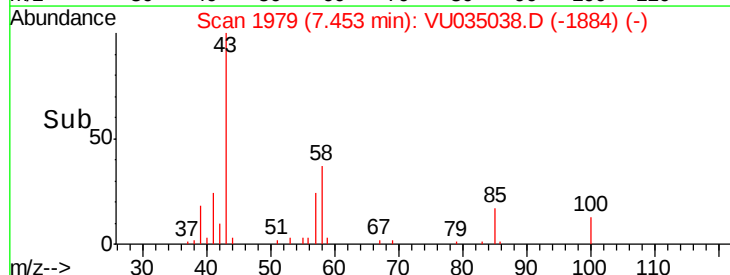
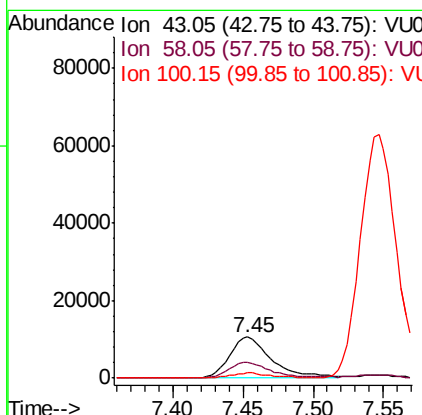
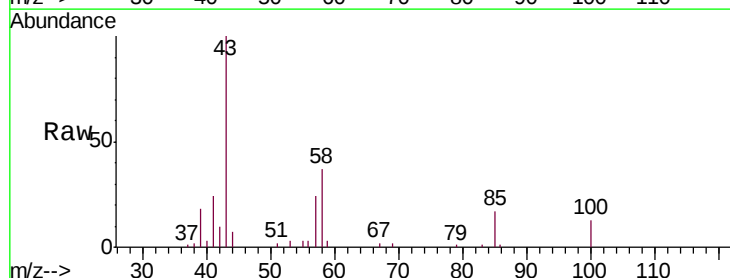
Tgt Ion: 75 Resp: 5009
 Ion Ratio Lower Upper
 75 100
 77 28.8 22.1 41.1

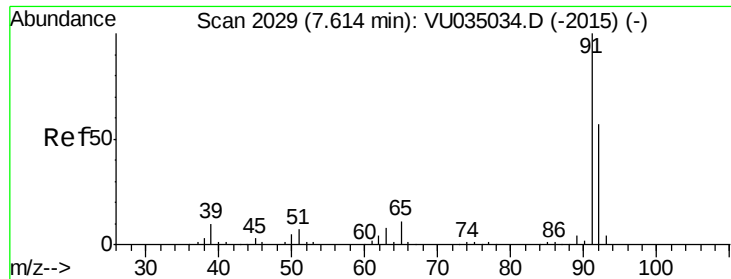


#40

4-Methyl-2-pentanone
 Concen: 2.599 ug/L
 RT: 7.45 min Scan# 1979
 Delta R.T. 0.01 min
 Lab File: VU035038.D
 Acq: 10 Oct 2019 10:41

Tgt Ion: 43 Resp: 22282
 Ion Ratio Lower Upper
 43 100
 58 39.0 32.4 48.6
 100 0.0 11.9 17.9#





#42

Toluene

Concen: 0.293 ug/L

RT: 7.62 min Scan# 2031

Delta R.T. 0.01 min

Lab File: VU035038.D

Acq: 10 Oct 2019 10:41

Instrument :

MSVOA_U

ClientSampleId :

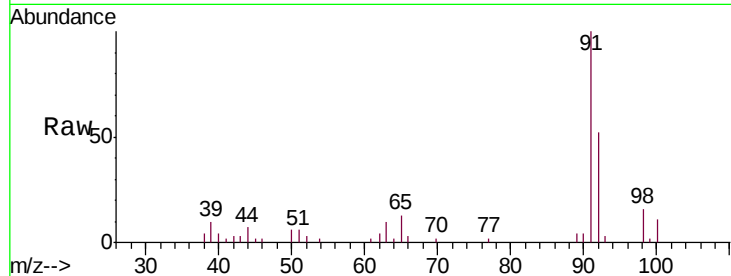
MDL03

Tgt Ion: 91 Resp: 15441

Ion Ratio Lower Upper

91 100

92 51.7 40.0 74.2



Abundance Ion 91.15 (90.85 to 91.85): VU035034.D (-2015) (-)

Ion 92.15 (91.85 to 92.85): VU035034.D (-2015) (-)

7.62

8000

6000

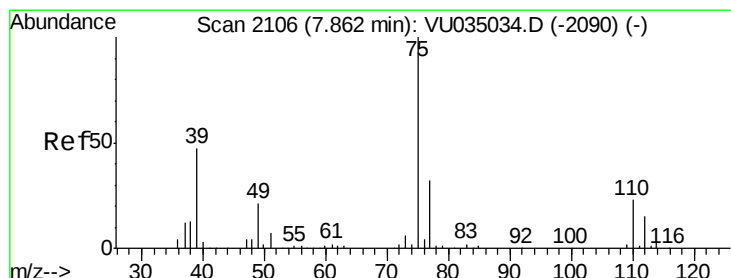
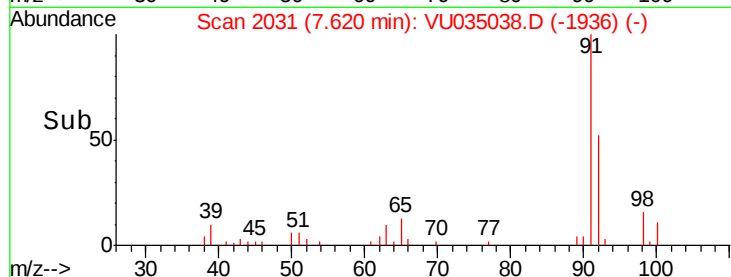
4000

2000

0

7.55 7.60 7.65 7.70

Time-->



#44

trans-1,3-Dichloropropene

Concen: 0.314 ug/L

RT: 7.87 min Scan# 2109

Delta R.T. 0.01 min

Lab File: VU035038.D

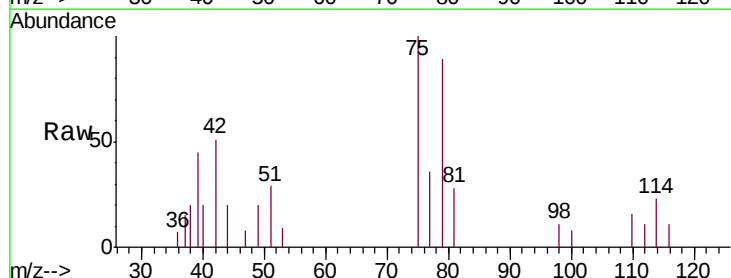
Acq: 10 Oct 2019 10:41

Tgt Ion: 75 Resp: 4494

Ion Ratio Lower Upper

75 100

77 35.8 21.6 40.0



Abundance Ion 75.05 (74.75 to 75.75): VU035034.D (-2090) (-)

Ion 77.05 (76.75 to 77.75): VU035034.D (-2090) (-)

7.87

2000

1500

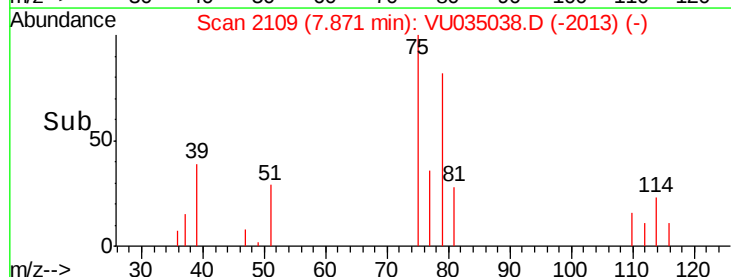
1000

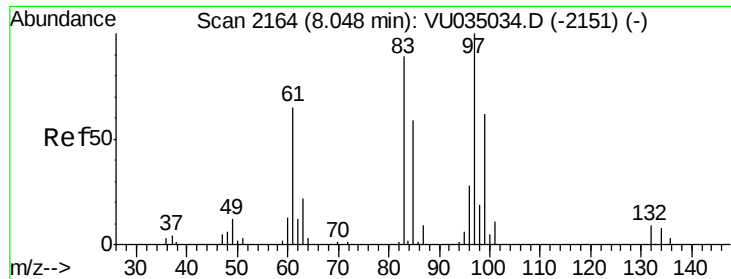
500

0

7.80 7.85 7.90 7.95

Time-->



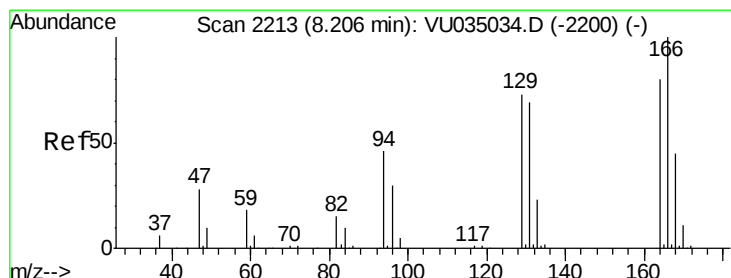
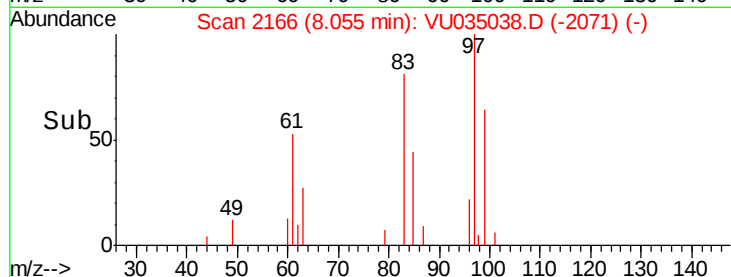
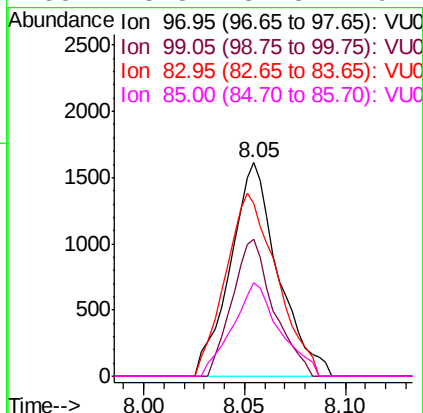
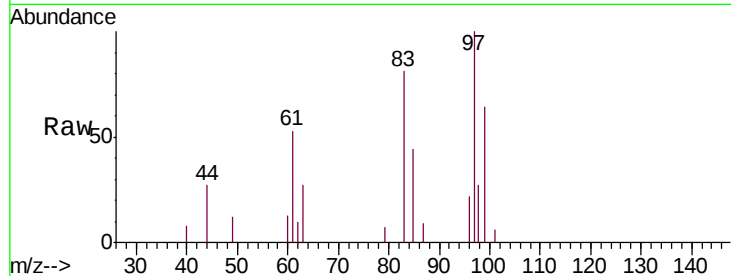


#45
 1,1,2-Trichloroethane
 Concen: 0.296 ug/L
 RT: 8.05 min Scan# 2166
 Delta R.T. 0.01 min
 Lab File: VU035038.D
 Acq: 10 Oct 2019 10:41

Instrument :
 MSVOA_U
 ClientSampleID :
 MDL03

Tgt Ion: 97 Resp: 2674

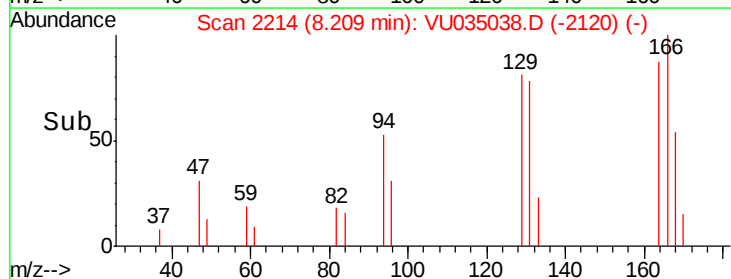
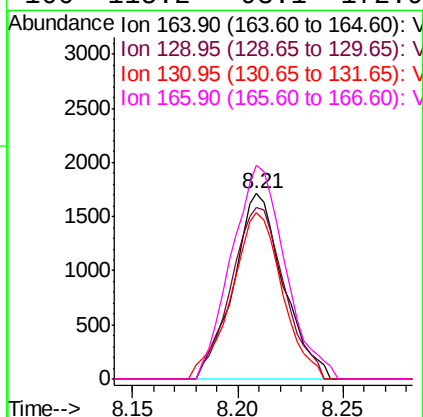
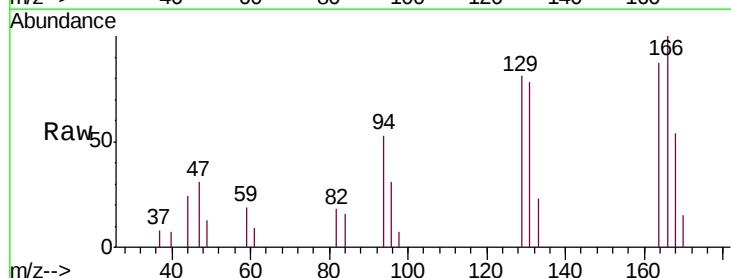
Ion	Ratio	Lower	Upper
97	100		
99	64.0	42.3	78.5
83	81.2	58.0	107.6
85	43.8	37.8	70.2

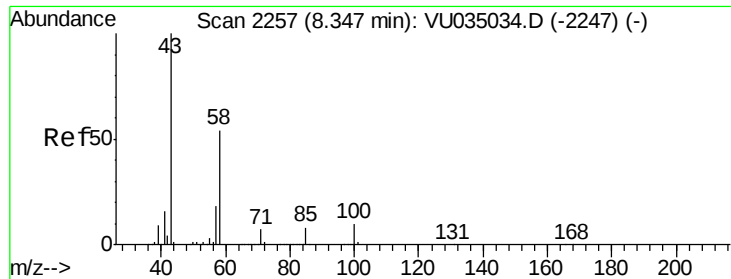


#47
 Tetrachloroethene
 Concen: 0.268 ug/L
 RT: 8.21 min Scan# 2214
 Delta R.T. 0.00 min
 Lab File: VU035038.D
 Acq: 10 Oct 2019 10:41

Tgt Ion: 164 Resp: 2827

Ion	Ratio	Lower	Upper
164	100		
129	92.8	68.5	127.1
131	89.8	67.3	124.9
166	115.2	93.1	172.9

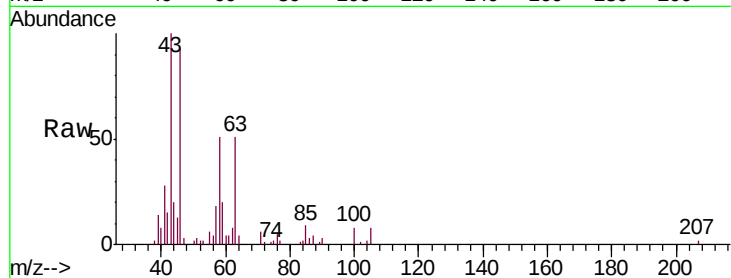




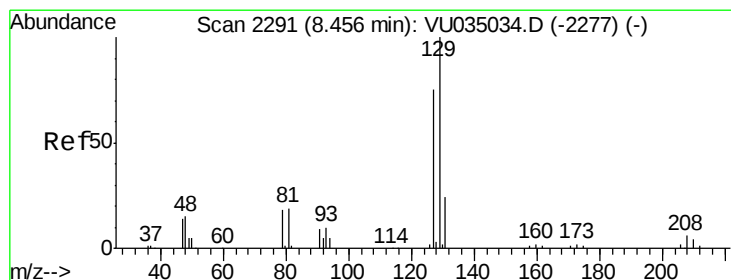
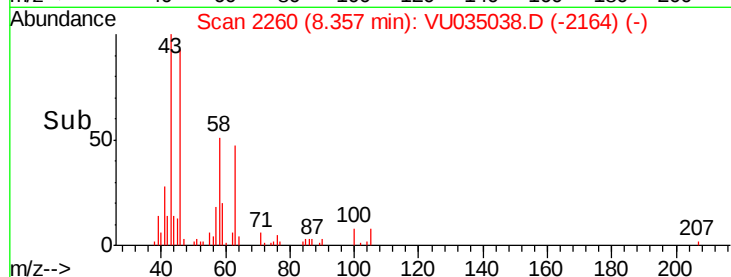
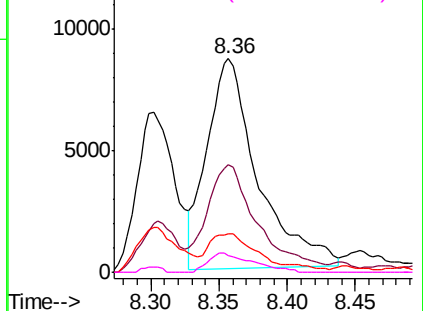
#48
2-Hexanone
Concen: 3.826 ug/L
RT: 8.36 min Scan# 2260
Delta R.T. 0.01 min
Lab File: VU035038.D
Acq: 10 Oct 2019 10:41

Instrument :
MSVOA_U
ClientSampleId :
MDL03

Tgt Ion: 43 Resp: 22489
Ion Ratio Lower Upper
43 100
58 48.8 44.1 66.1
57 18.8 15.8 23.8
100 7.9 9.4 14.2#

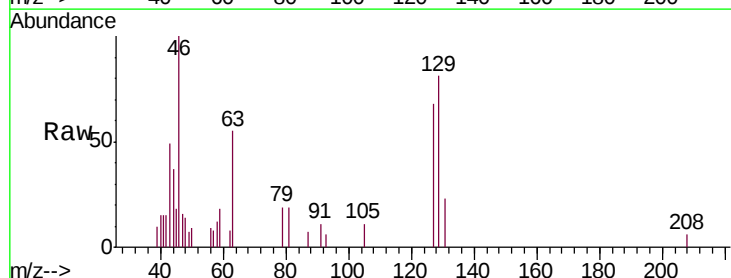


Abundance Ion 43.05 (42.75 to 43.75): VU035038.D (-2247) (-)
Ion 58.05 (57.75 to 58.75): VU035038.D (-2247) (-)
Ion 57.20 (56.90 to 57.90): VU035038.D (-2247) (-)
Ion 100.15 (99.85 to 100.85): VU035038.D (-2247) (-)

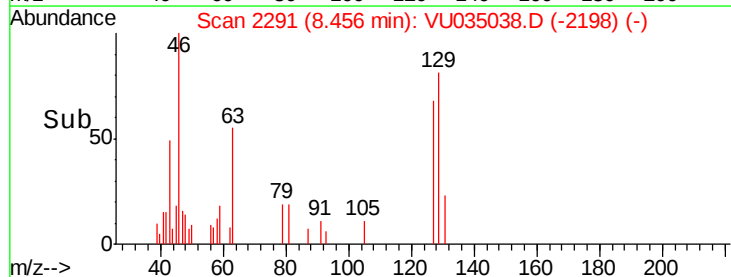
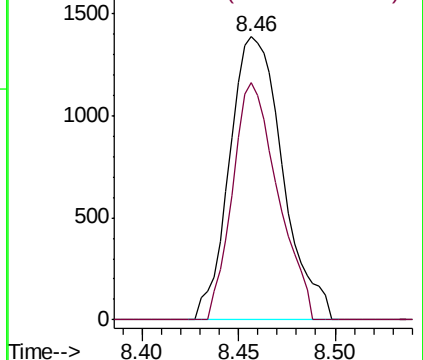


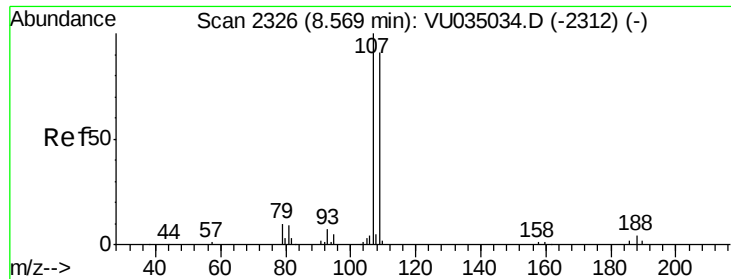
#49
Dibromochloromethane
Concen: 0.253 ug/L
RT: 8.46 min Scan# 2291
Delta R.T. 0.00 min
Lab File: VU035038.D
Acq: 10 Oct 2019 10:41

Tgt Ion: 129 Resp: 2649
Ion Ratio Lower Upper
129 100
127 84.0 51.9 96.5



Abundance Ion 128.95 (128.65 to 129.65): VU035038.D (-2198) (-)
Ion 126.90 (126.60 to 127.60): VU035038.D (-2198) (-)

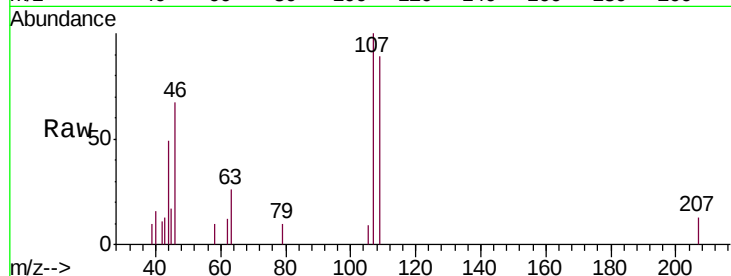




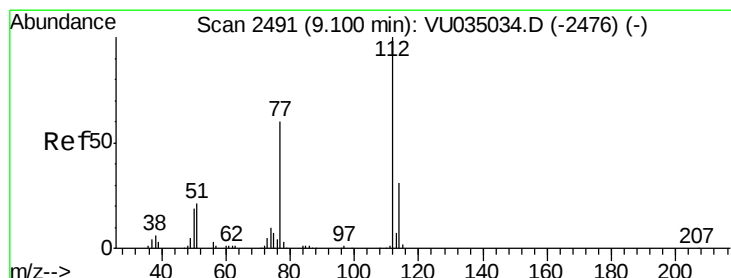
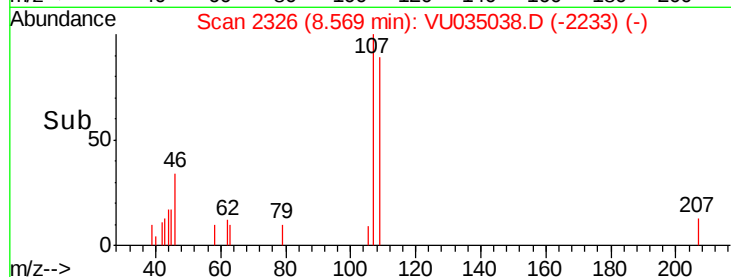
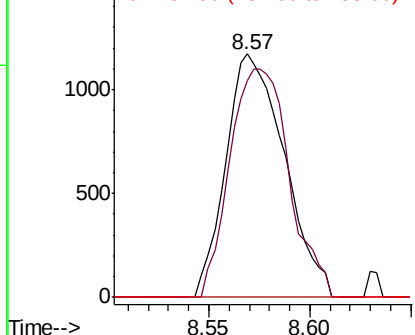
#50
1,2-Dibromoethane
Concen: 0.274 ug/L
RT: 8.57 min Scan# 2326
Delta R.T. 0.00 min
Lab File: VU035038.D
Acq: 10 Oct 2019 10:41

Instrument :
MSVOA_U
ClientSampleId :
MDL03

Tgt Ion:107 Resp: 2370
Ion Ratio Lower Upper
107 100
109 89.2 64.8 120.4
188 0.0 3.0 4.6#

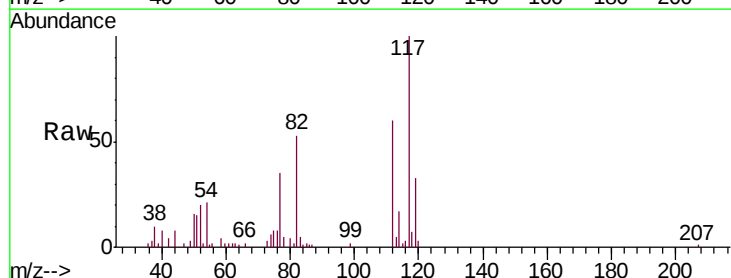


Abundance Ion 106.95 (106.65 to 107.65): V
Ion 109.00 (108.70 to 109.70): V
Ion 187.90 (187.60 to 188.60): V

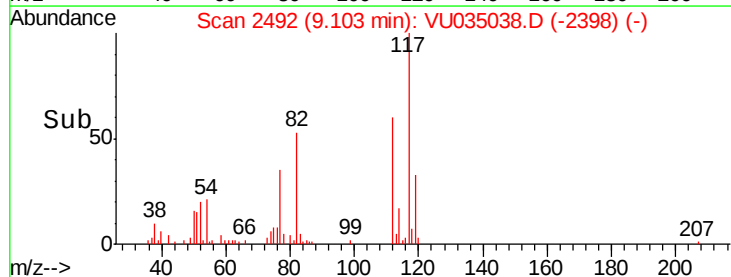
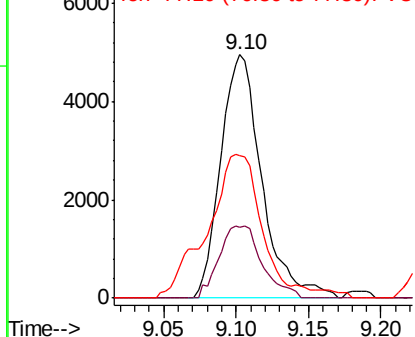


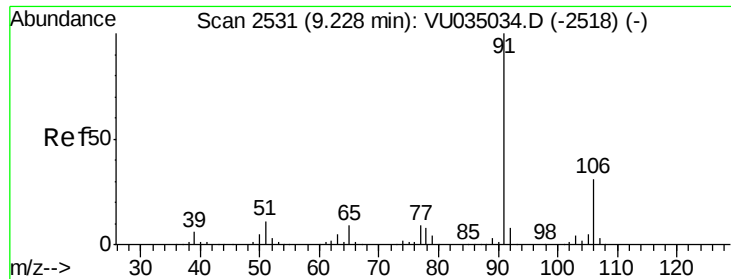
#51
Chlorobenzene
Concen: 0.285 ug/L
RT: 9.10 min Scan# 2492
Delta R.T. 0.00 min
Lab File: VU035038.D
Acq: 10 Oct 2019 10:41

Tgt Ion:112 Resp: 9732
Ion Ratio Lower Upper
112 100
114 28.9 22.1 41.1
77 58.5 46.9 70.3



Abundance Ion 112.10 (111.80 to 112.80): V
Ion 114.05 (113.75 to 114.75): V
Ion 77.10 (76.80 to 77.80): V





#52

Ethylbenzene

Concen: 0.265 ug/L

RT: 9.23 min Scan# 2533

Delta R.T. 0.01 min

Lab File: VU035038.D

Acq: 10 Oct 2019 10:41

Instrument :

MSVOA_U

ClientSampleId :

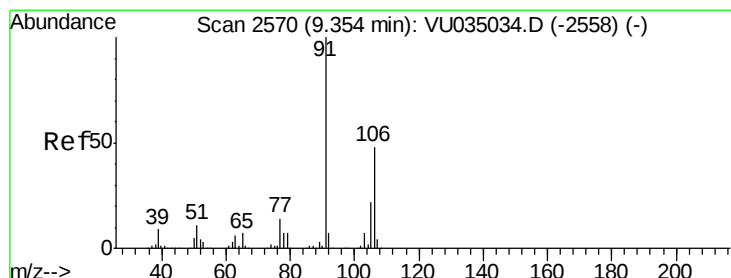
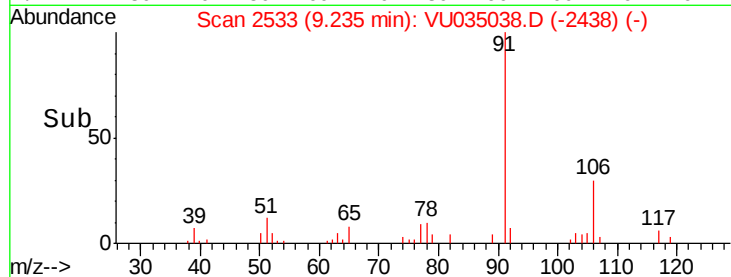
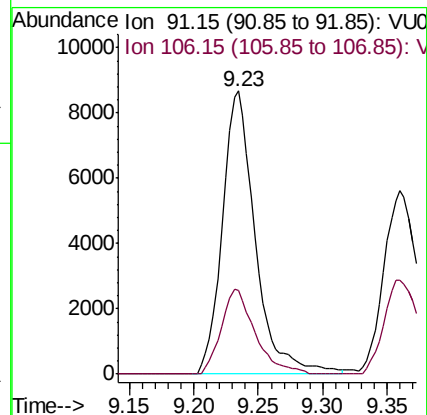
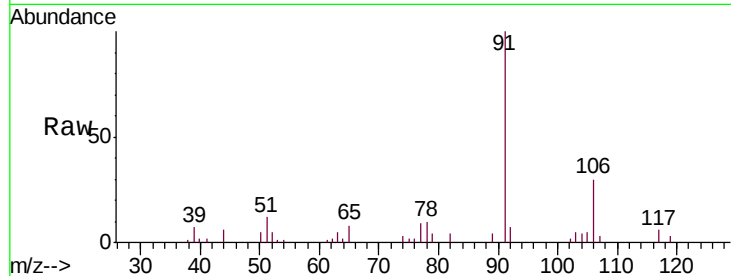
MDL03

Tgt Ion: 91 Resp: 15399

Ion Ratio Lower Upper

91 100

106 29.5 21.6 40.2



#53

m,p-Xylene

Concen: 0.252 ug/L

RT: 9.36 min Scan# 2572

Delta R.T. 0.01 min

Lab File: VU035038.D

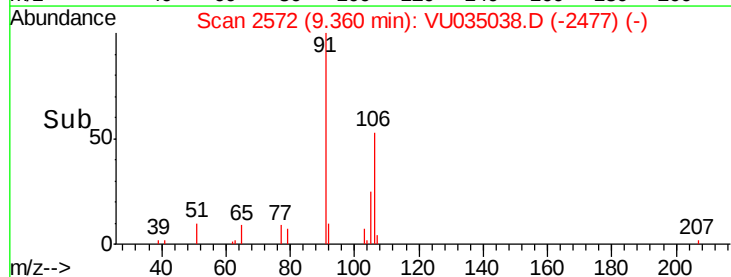
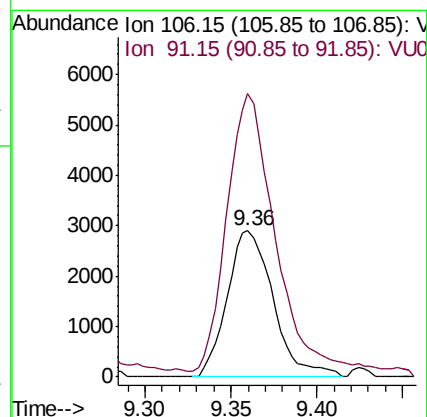
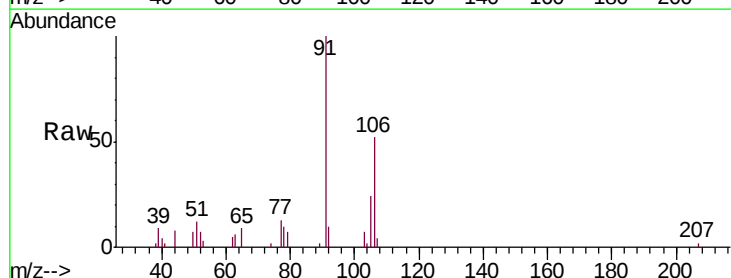
Acq: 10 Oct 2019 10:41

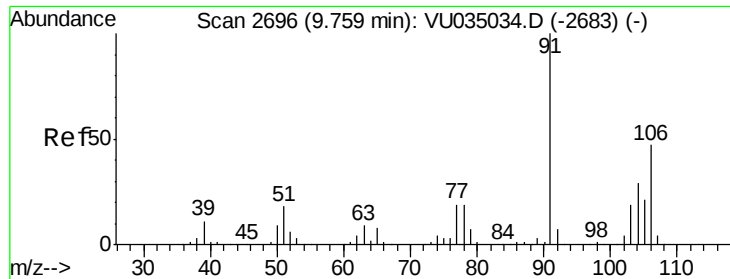
Tgt Ion: 106 Resp: 5424

Ion Ratio Lower Upper

106 100

91 194.1 147.6 274.0

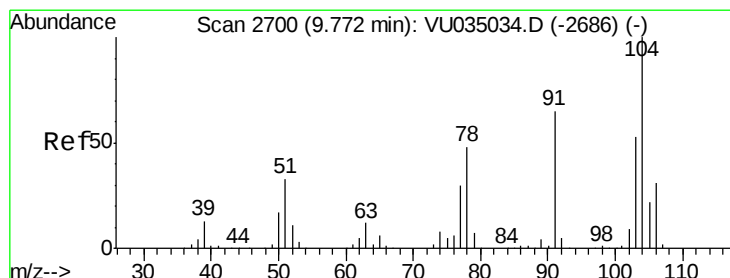
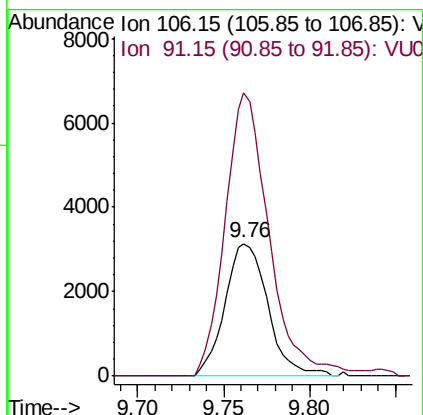
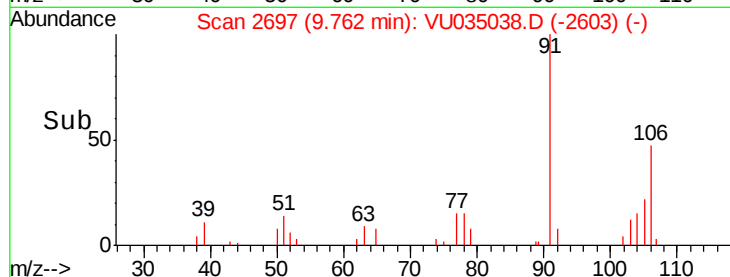
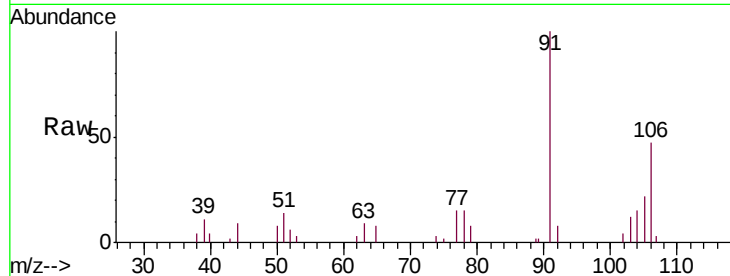




#54
o-Xylene
Concen: 0.260 ug/L
RT: 9.76 min Scan# 2697
Delta R.T. 0.00 min
Lab File: VU035038.D
Acq: 10 Oct 2019 10:41

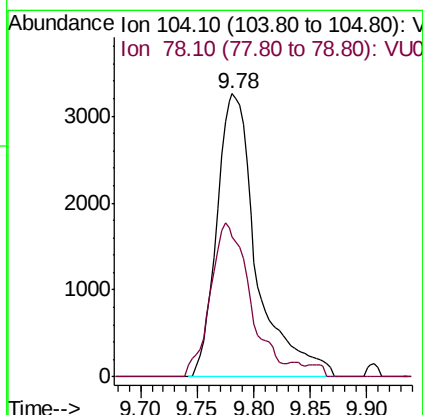
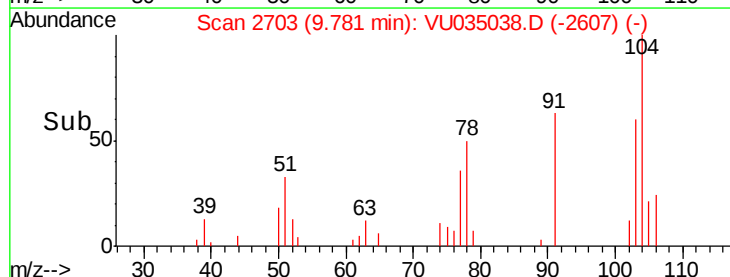
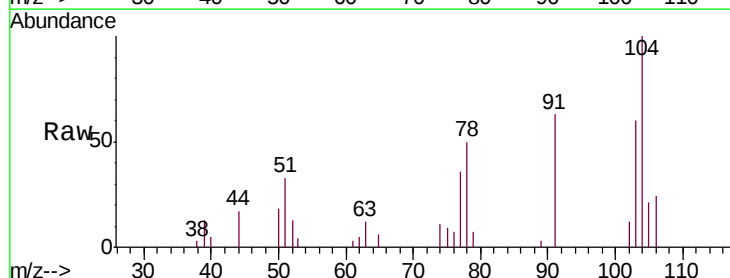
Instrument :
MSVOA_U
ClientSampled :
MDL03

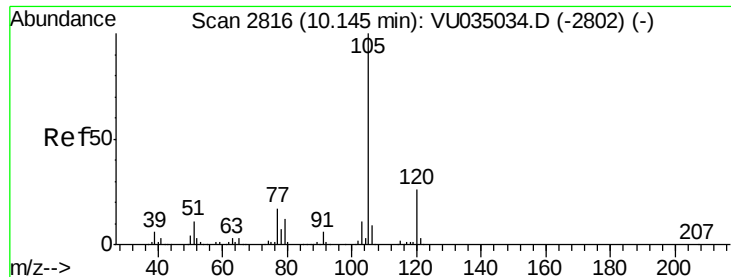
Tgt Ion:106 Resp: 5466
Ion Ratio Lower Upper
106 100
91 213.7 148.5 275.7



#55
Styrene
Concen: 0.234 ug/L
RT: 9.78 min Scan# 2703
Delta R.T. 0.01 min
Lab File: VU035038.D
Acq: 10 Oct 2019 10:41

Tgt Ion:104 Resp: 7969
Ion Ratio Lower Upper
104 100
78 49.6 32.8 60.8





#56

Isopropylbenzene

Concen: 0.247 ug/L

RT: 10.15 min Scan# 2817

Delta R.T. 0.00 min

Lab File: VU035038.D

Acq: 10 Oct 2019 10:41

Instrument :

MSVOA_U

ClientSampleId :

MDL03

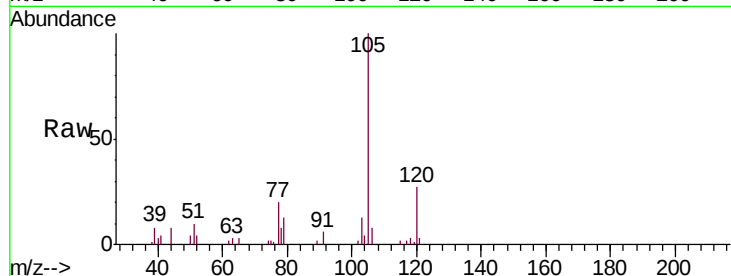
Tgt Ion:105 Resp: 13846

Ion Ratio Lower Upper

105 100

120 24.8 21.3 31.9

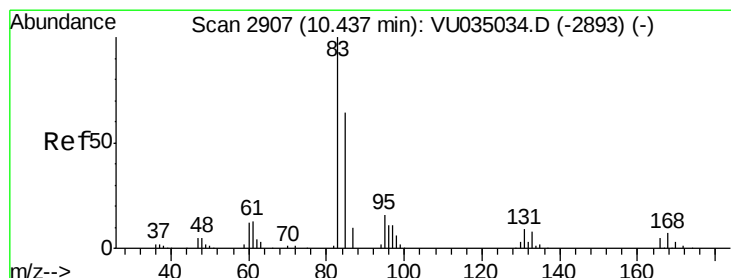
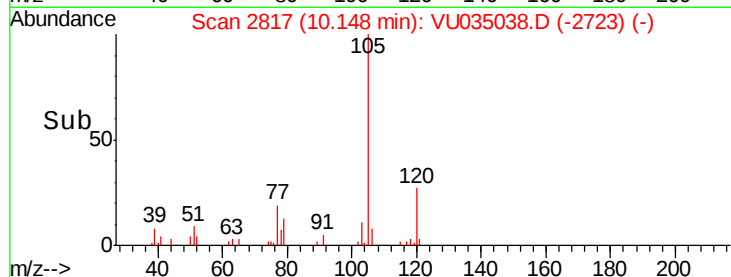
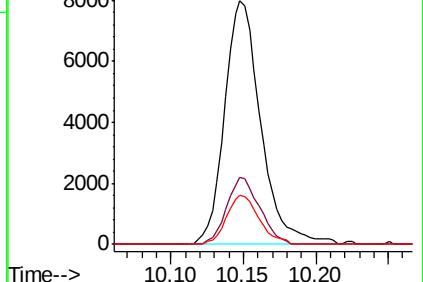
77 18.0 13.0 19.4



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.10 (119.80 to 120.80): V

Ion 77.10 (76.80 to 77.80): V



#58

1,1,2,2-Tetrachloroethane

Concen: 0.305 ug/L

RT: 10.44 min Scan# 2908

Delta R.T. 0.00 min

Lab File: VU035038.D

Acq: 10 Oct 2019 10:41

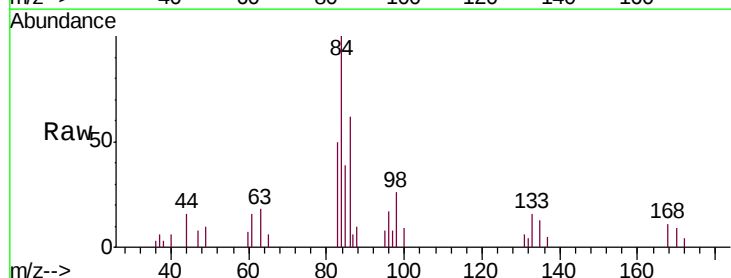
Tgt Ion: 83 Resp: 3748

Ion Ratio Lower Upper

83 100

85 77.0 44.6 82.8

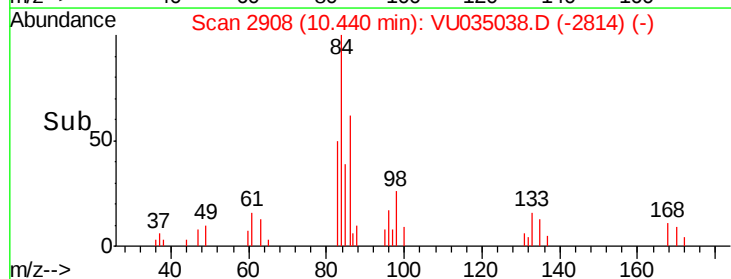
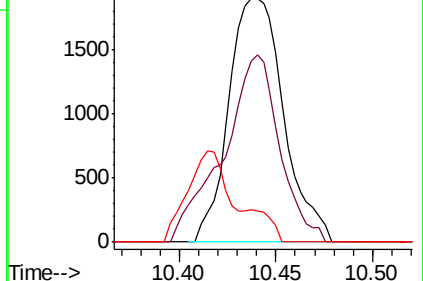
131 13.0 7.4 11.2#

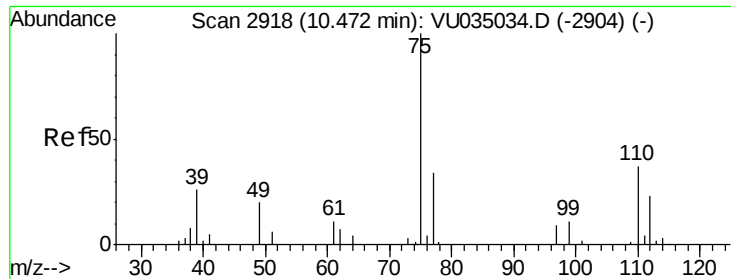


Abundance Ion 82.95 (82.65 to 83.65): VU0

Ion 85.00 (84.70 to 85.70): VU0

Ion 130.95 (130.65 to 131.65): V

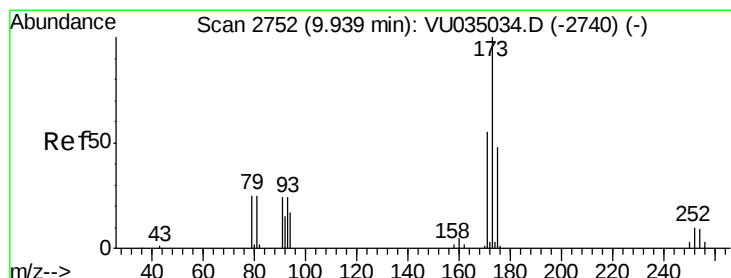
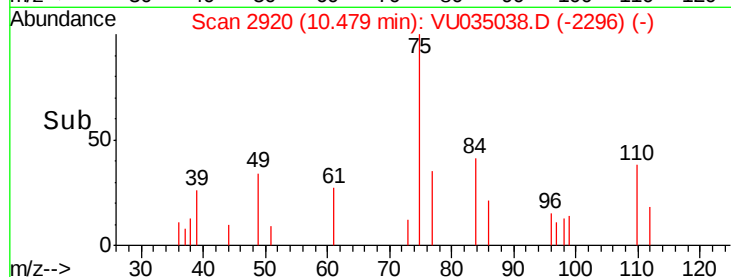
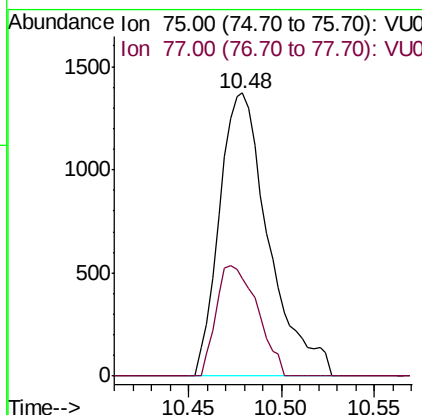
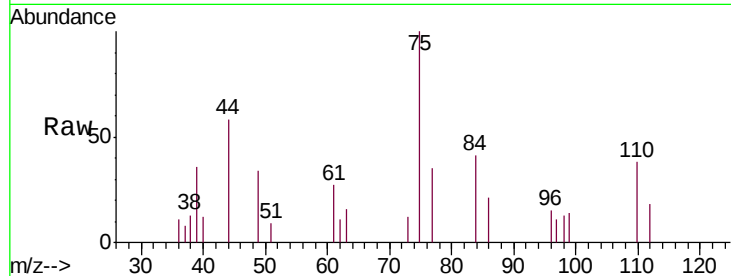




#59
 1,2,3-Trichloropropane
 Concen: 0.288 ug/L
 RT: 10.48 min Scan# 2920
 Delta R.T. 0.01 min
 Lab File: VU035038.D
 Acq: 10 Oct 2019 10:41

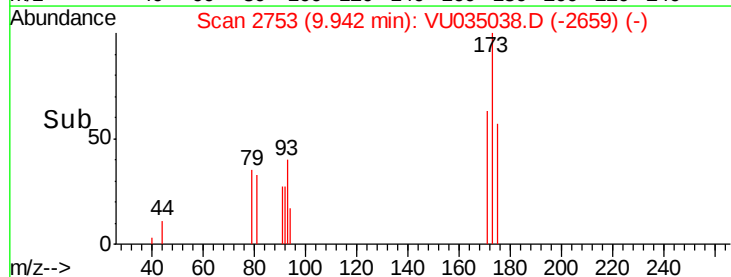
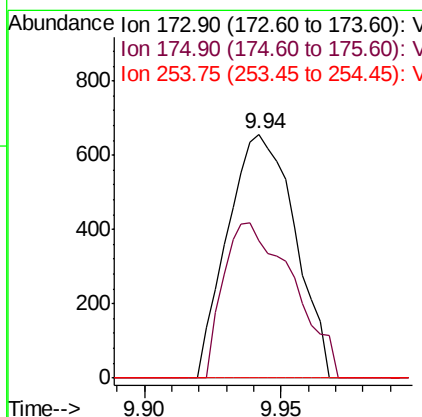
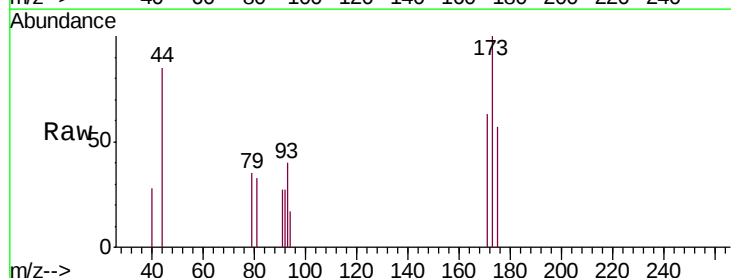
Instrument :
 MSVOA_U
 ClientSampleId :
 MDL03

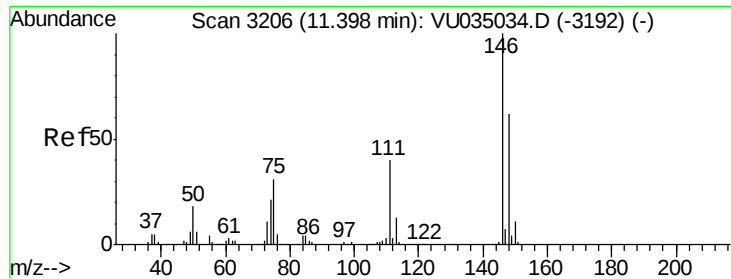
Tgt Ion: 75 Resp: 2537
 Ion Ratio Lower Upper
 75 100
 77 32.6 26.5 39.7



#61
 Bromoform
 Concen: 0.236 ug/L
 RT: 9.94 min Scan# 2753
 Delta R.T. 0.00 min
 Lab File: VU035038.D
 Acq: 10 Oct 2019 10:41

Tgt Ion: 173 Resp: 1121
 Ion Ratio Lower Upper
 173 100
 175 66.5 37.2 55.8#
 254 0.0 6.6 9.8#





#62

1,3-Dichlorobenzene

Concen: 0.305 ug/L

RT: 11.40 min Scan# 3208

Delta R.T. 0.01 min

Lab File: VU035038.D

Acq: 10 Oct 2019 10:41

Instrument :

MSVOA_U

ClientSampled :

MDL03

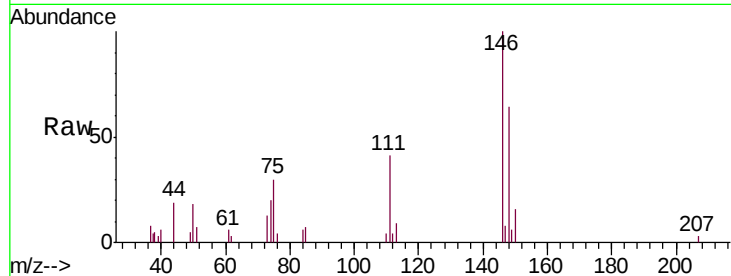
Tgt Ion:146 Resp: 6517

Ion Ratio Lower Upper

146 100

111 40.8 28.6 53.2

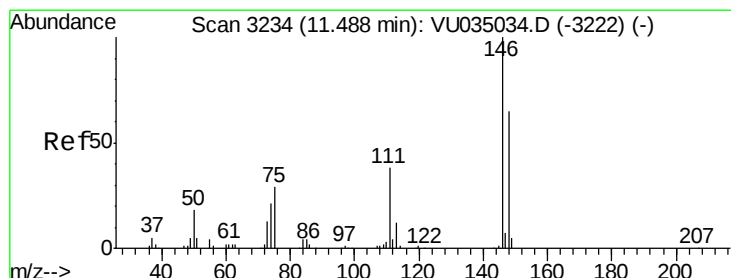
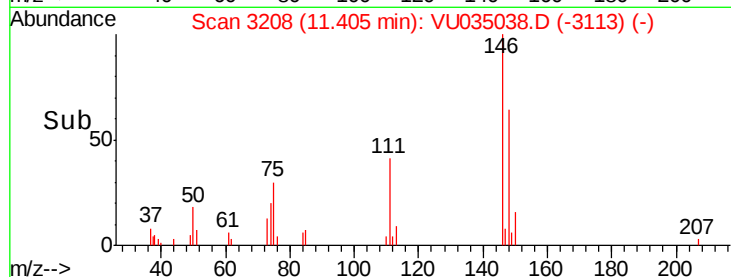
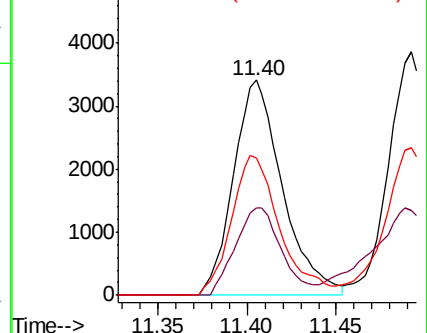
148 63.8 45.0 83.6



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#63

1,4-Dichlorobenzene

Concen: 0.332 ug/L

RT: 11.49 min Scan# 3235

Delta R.T. 0.00 min

Lab File: VU035038.D

Acq: 10 Oct 2019 10:41

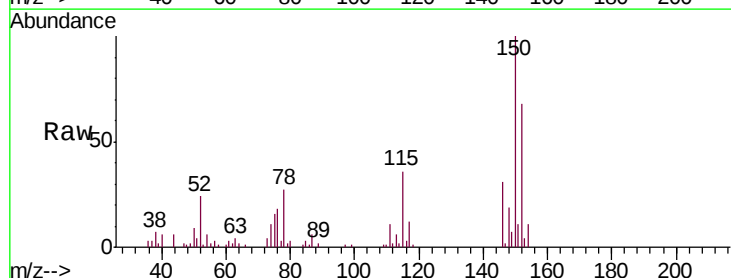
Tgt Ion:146 Resp: 7151

Ion Ratio Lower Upper

146 100

111 34.8 27.9 51.7

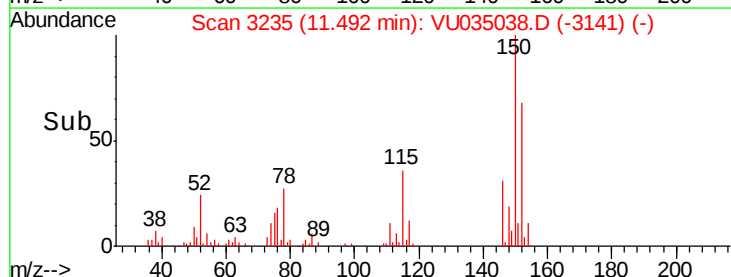
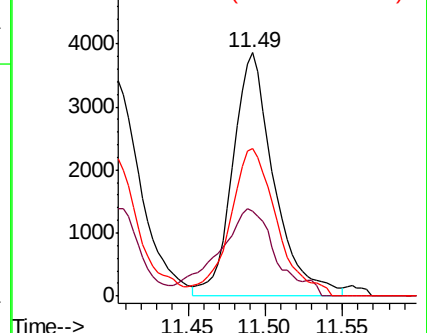
148 60.6 44.1 81.9

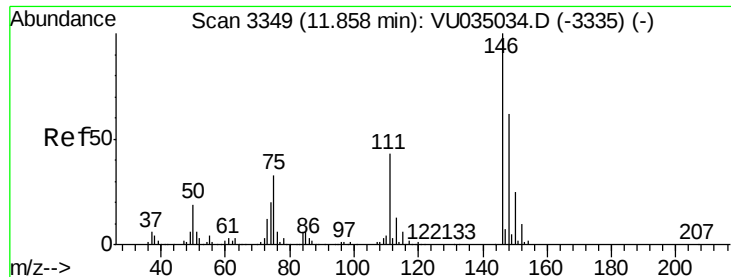


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

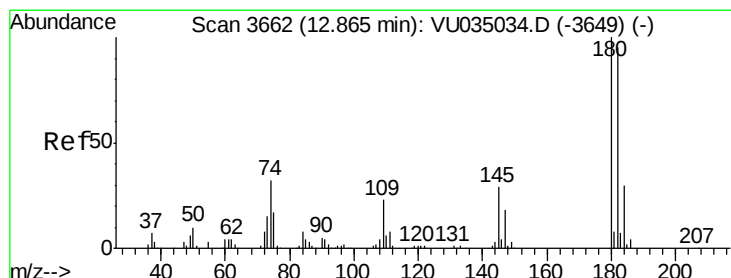
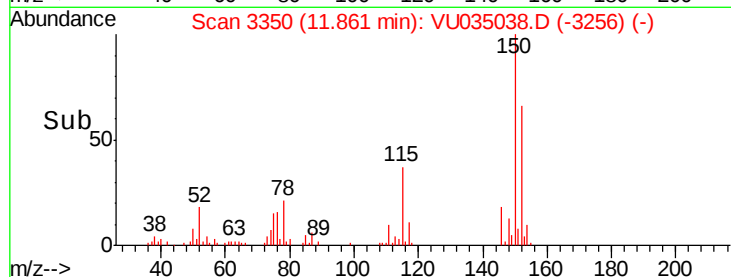
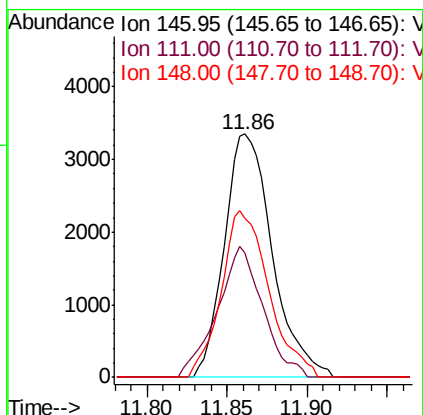
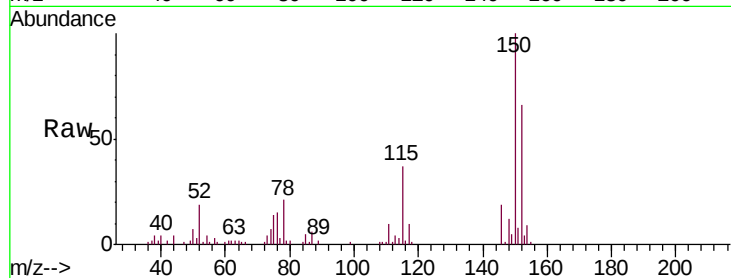




#65
 1,2-Dichlorobenzene
 Concen: 0.334 ug/L
 RT: 11.86 min Scan# 3350
 Delta R.T. 0.00 min
 Lab File: VU035038.D
 Acq: 10 Oct 2019 10:41

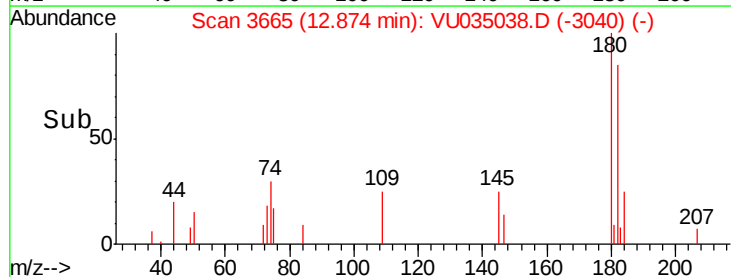
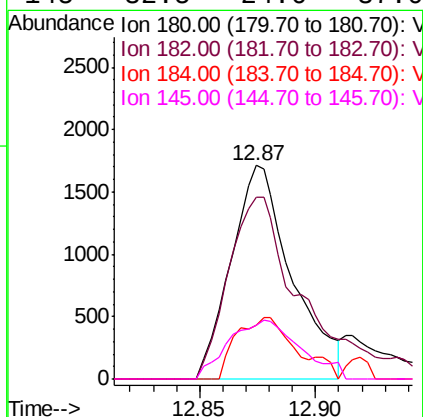
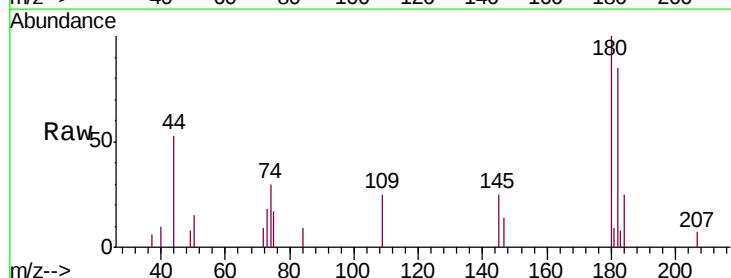
Instrument :
 MSVOA_U
 ClientSampleId :
 MDL03

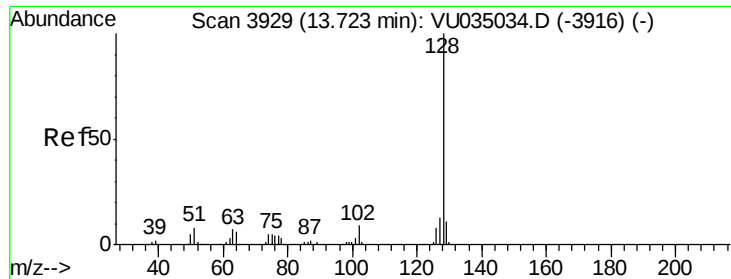
Tgt Ion:146 Resp: 6868
 Ion Ratio Lower Upper
 146 100
 111 51.2 34.2 51.4
 148 65.4 52.0 78.0



#67
 1,3,5-Trichlorobenzene
 Concen: 0.215 ug/L
 RT: 12.87 min Scan# 3665
 Delta R.T. 0.01 min
 Lab File: VU035038.D
 Acq: 10 Oct 2019 10:41

Tgt Ion:180 Resp: 3111
 Ion Ratio Lower Upper
 180 100
 182 104.7 76.0 114.0
 184 25.3 24.2 36.2
 145 32.5 24.6 37.0





#69

Naphthalene

Concen: 0.113 ug/L

RT: 13.76 min Scan# 3939

Delta R.T. 0.03 min

Lab File: VU035038.D

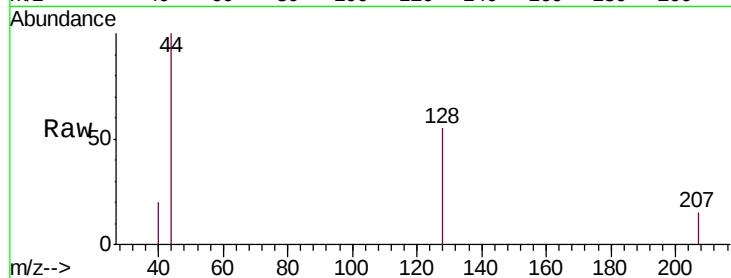
Acq: 10 Oct 2019 10:41

Instrument :

MSVOA_U

ClientSampleId :

MDL03



Tgt Ion:128 Resp: 1892

Ion Ratio Lower Upper

128 100

129 0.0 8.7 13.1#

127 2.2 10.6 15.8#

