

Data File : VU035040.D
Acq On : 10 Oct 2019 11:54
Operator : JC/SP
Sample : MDL05
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
MDL05

Quant Time: Oct 11 02:46:06 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	159795	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.07	117	164182	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.47	152	70204	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	56641	6.00	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	120.00%
7) Chloroethane-d5	1.68	69	52455	5.95	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	119.00%
11) 1,1-Dichloroethene-d2	2.26	63	83520	4.19	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	83.80%
20) 2-Butanone-d5	4.19	46	167608	60.25	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	120.50%
24) Chloroform-d	4.62	84	96110	5.44	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	108.80%
26) 1,2-Dichloroethane-d4	5.29	65	58039	5.49	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	109.80%
32) Benzene-d6	5.32	84	205993	5.35	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	107.00%
36) 1,2-Dichloropropane-d6	6.31	67	70955	5.51	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	110.20%
41) Toluene-d8	7.55	98	184735	4.96	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	99.20%
43) trans-1,3-Dichloropropene-	7.84	79	21940	4.74	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	94.80%
46) 2-Hexanone-d5	8.30	63	118988	54.01	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	108.02%
57) 1,1,2,2-Tetrachloroethane-	10.41	84	59273	5.47	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	109.40%
64) 1,2-Dichlorobenzene-d4	11.84	152	66079	5.58	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	111.60%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.20	85	4903	0.336 ug/L	94
3) Chloromethane	1.32	50	6440	0.402 ug/L	99
5) Vinyl chloride	1.40	62	5772	0.367 ug/L	85
6) Bromomethane	1.62	94	3266	0.373 ug/L	91
8) Chloroethane	1.69	64	3445	0.365 ug/L	96
9) Trichlorofluoromethane	1.88	101	7112	0.374 ug/L	96
10) 1,1,2-Trichloro-1,2,2-trif	2.28	101	4523	0.414 ug/L #	86
12) 1,1-Dichloroethene	2.27	96	4201	0.409 ug/L #	1
13) Acetone	2.34	43	9920	4.354 ug/L	95
14) Carbon disulfide	2.47	76	11451	0.335 ug/L #	95
15) Methyl Acetate	2.62	43	2236	0.369 ug/L #	77
16) Methylene chloride	2.69	84	6374	0.502 ug/L	82
17) Methyl tert-butyl Ether	2.99	73	10681	0.381 ug/L	96
18) trans-1,2-Dichloroethene	2.96	96	3900	0.355 ug/L	92
19) 1,1-Dichloroethane	3.42	63	8262	0.378 ug/L	99
22) cis-1,2-Dichloroethene	4.20	96	4408	0.360 ug/L	87
23) Bromochloromethane	4.53	128	1804	0.351 ug/L	79

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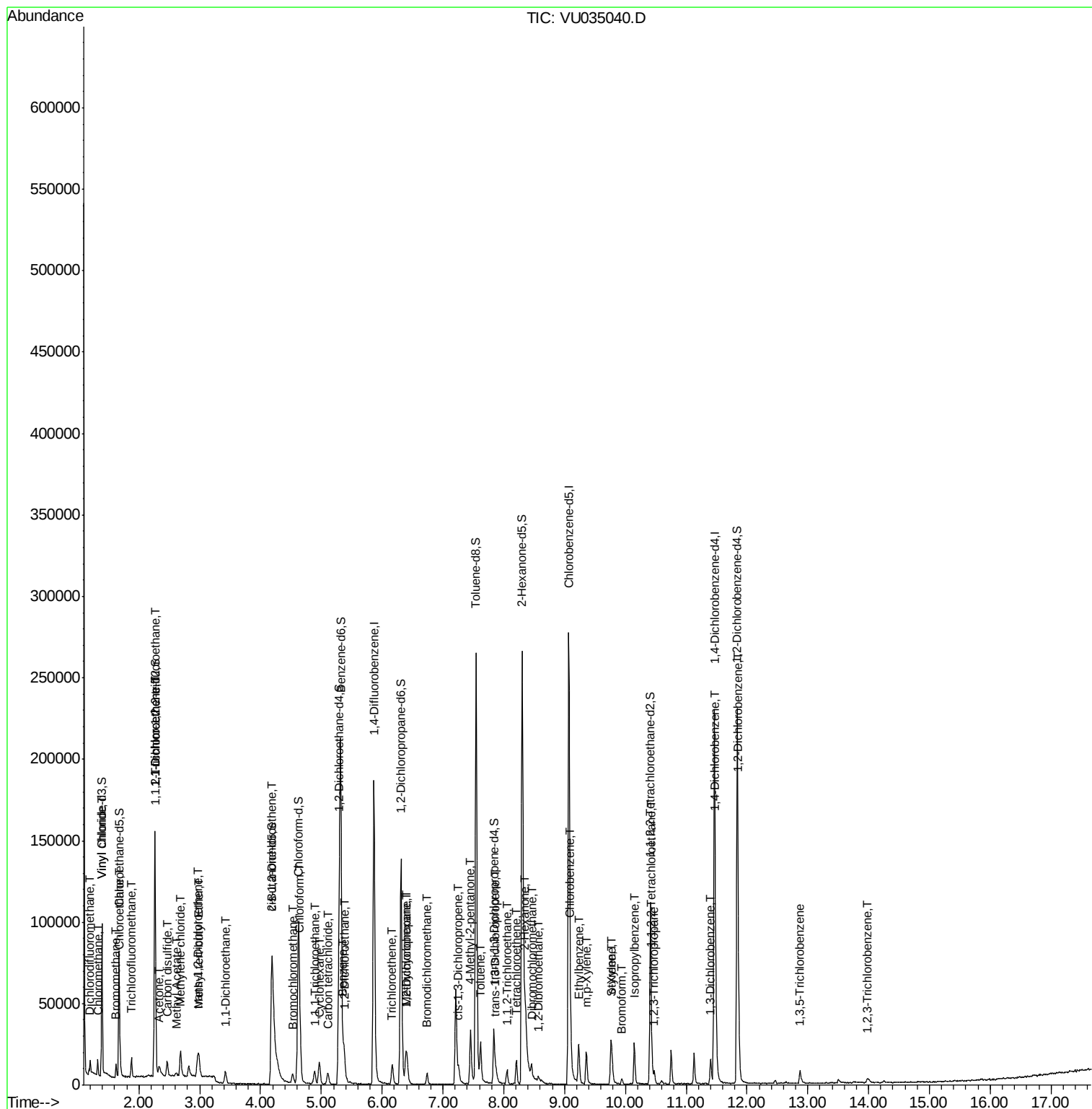
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
25) Chloroform	4.65	83	18425	0.751	ug/L	95
27) 1,2-Dichloroethane	5.39	62	5312	0.371	ug/L #	95
29) 1,1,1-Trichloroethane	4.89	97	5893	0.320	ug/L	94
30) Cyclohexane	4.96	56	6448	0.318	ug/L	97
31) Carbon tetrachloride	5.11	117	5433	0.340	ug/L	93
33) Benzene	5.37	78	16834	0.340	ug/L	100
34) Trichloroethene	6.17	95	4390	0.344	ug/L	92
35) Methylcyclohexane	6.39	83	6577	0.318	ug/L	97
37) 1,2-Dichloropropane	6.41	63	3834	0.287	ug/L #	90
38) Bromodichloromethane	6.74	83	4861	0.311	ug/L	80
39) cis-1,3-Dichloropropene	7.25	75	5329	0.295	ug/L	98
40) 4-Methyl-2-pentanone	7.45	43	26565	3.164	ug/L	97
42) Toluene	7.62	91	16806	0.326	ug/L	98
44) trans-1,3-Dichloropropene	7.87	75	5207	0.372	ug/L	92
45) 1,1,2-Trichloroethane	8.05	97	3114	0.352	ug/L	93
47) Tetrachloroethene	8.21	164	3382	0.328	ug/L	95
48) 2-Hexanone	8.36	43	24774	4.303	ug/L #	89
49) Dibromochloromethane	8.46	129	3270	0.319	ug/L	100
50) 1,2-Dibromoethane	8.57	107	2604	0.308	ug/L #	99
51) Chlorobenzene	9.10	112	11387	0.340	ug/L	98
52) Ethylbenzene	9.23	91	17633	0.309	ug/L	94
53) m,p-Xylene	9.36	106	6425	0.305	ug/L	97
54) o-Xylene	9.76	106	6072	0.295	ug/L	100
55) Styrene	9.78	104	9173	0.275	ug/L	90
56) Isopropylbenzene	10.15	105	16873	0.307	ug/L	94
58) 1,1,2,2-Tetrachloroethane	10.44	83	4032	0.335	ug/L #	84
59) 1,2,3-Trichloropropane	10.48	75	3042	0.352	ug/L	100
61) Bromoform	9.94	173	1588	0.330	ug/L #	95
62) 1,3-Dichlorobenzene	11.40	146	7380	0.341	ug/L	98
63) 1,4-Dichlorobenzene	11.49	146	8275	0.379	ug/L	97
65) 1,2-Dichlorobenzene	11.86	146	8082	0.387	ug/L	92
67) 1,3,5-Trichlorobenzene	12.87	180	4365	0.298	ug/L #	88
70) 1,2,3-Trichlorobenzene	13.98	180	1810	0.170	ug/L #	44

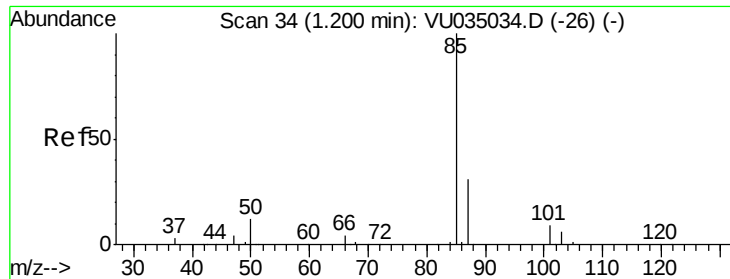
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 0.336 ug/L

RT: 1.20 min Scan# 34

Delta R.T. 0.00 min

Lab File: VU035040.D

Acq: 10 Oct 2019 11:54

Instrument :

MSVOA_U

ClientSampleId :

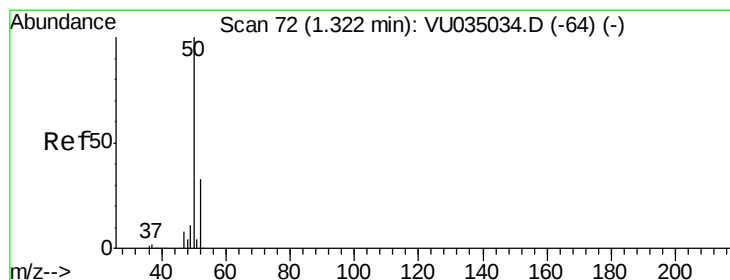
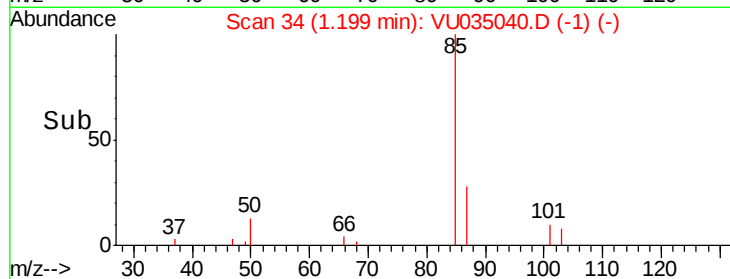
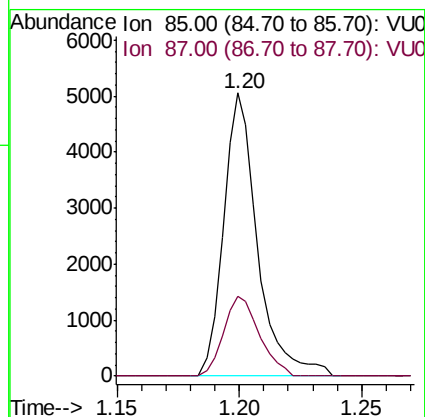
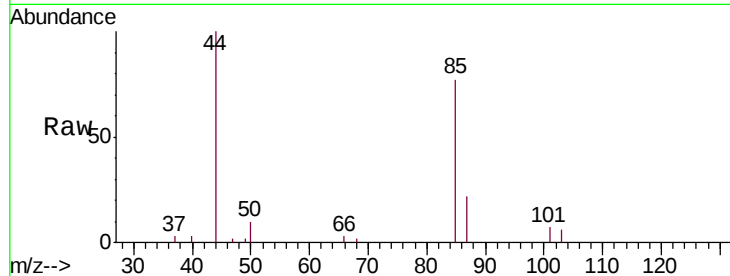
MDL05

Tgt Ion: 85 Resp: 4903

Ion Ratio Lower Upper

85 100

87 29.7 26.3 39.5



#3

Chloromethane

Concen: 0.402 ug/L

RT: 1.32 min Scan# 72

Delta R.T. 0.00 min

Lab File: VU035040.D

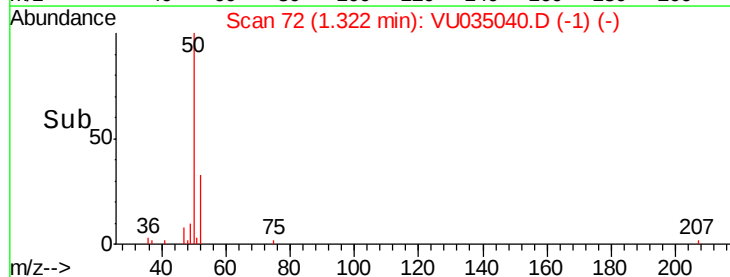
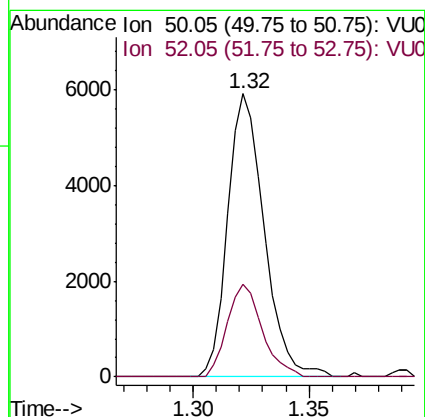
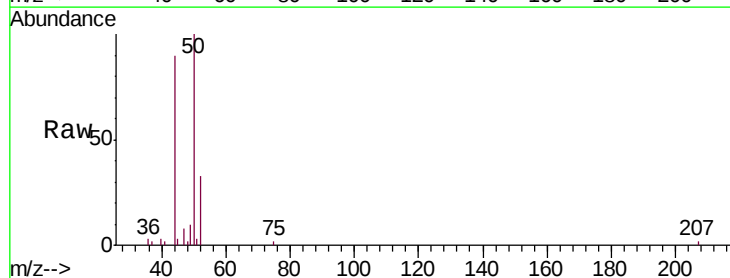
Acq: 10 Oct 2019 11:54

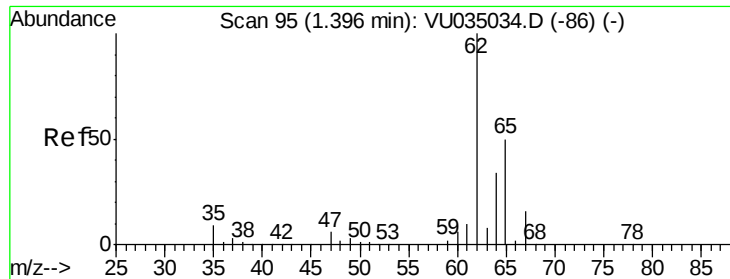
Tgt Ion: 50 Resp: 6440

Ion Ratio Lower Upper

50 100

52 32.7 23.3 43.3





#5

Vinyl chloride

Concen: 0.367 ug/L

RT: 1.40 min Scan# 95

Delta R.T. 0.00 min

Lab File: VU035040.D

Acq: 10 Oct 2019 11:54

Instrument :

MSVOA_U

ClientSampleId :

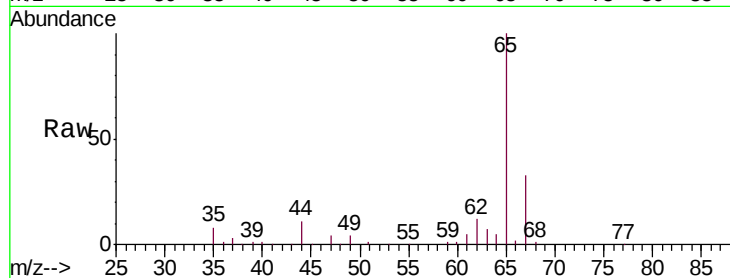
MDL05

Tgt Ion: 62 Resp: 5772

Ion Ratio Lower Upper

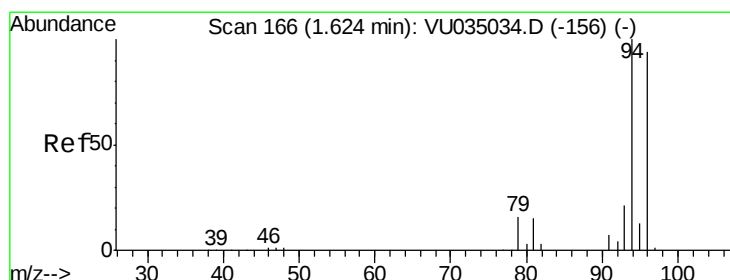
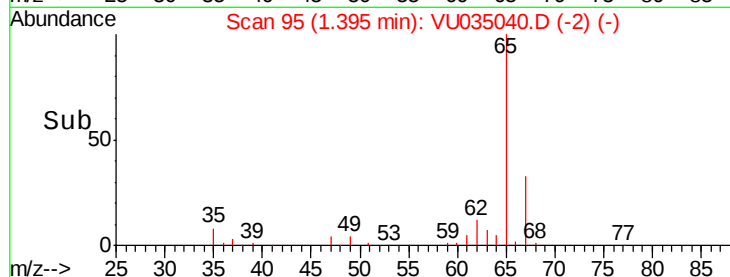
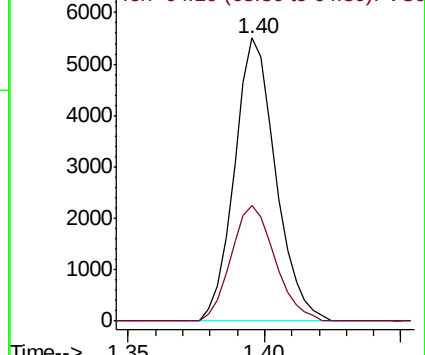
62 100

64 40.8 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: 0.373 ug/L

RT: 1.62 min Scan# 166

Delta R.T. 0.00 min

Lab File: VU035040.D

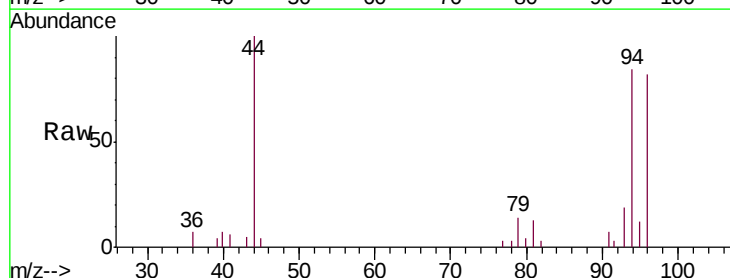
Acq: 10 Oct 2019 11:54

Tgt Ion: 94 Resp: 3266

Ion Ratio Lower Upper

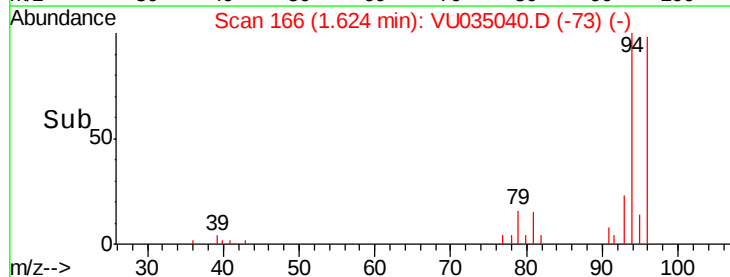
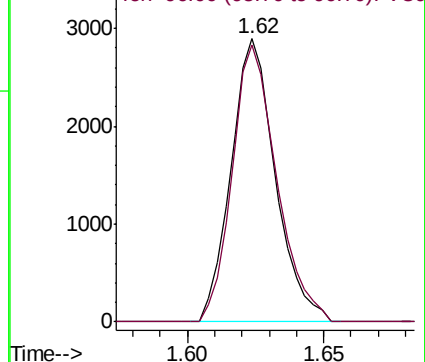
94 100

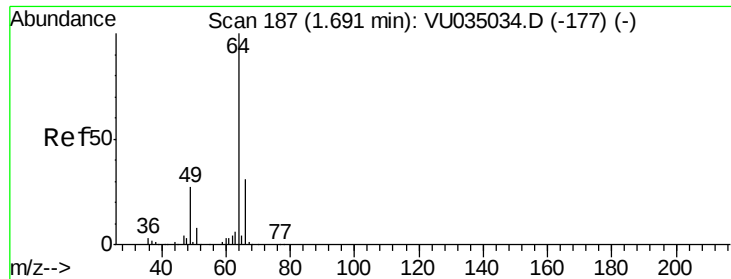
96 97.9 62.4 116.0



Abundance Ion 94.00 (93.70 to 94.70): VU0

Ion 96.00 (95.70 to 96.70): VU0

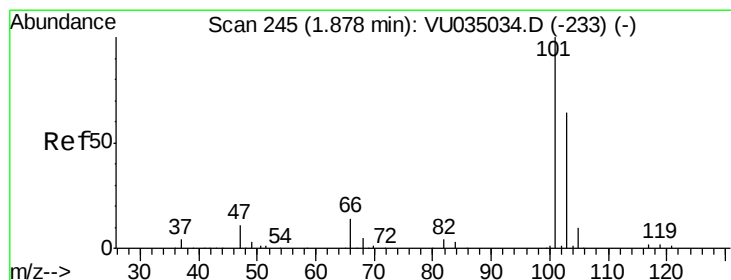
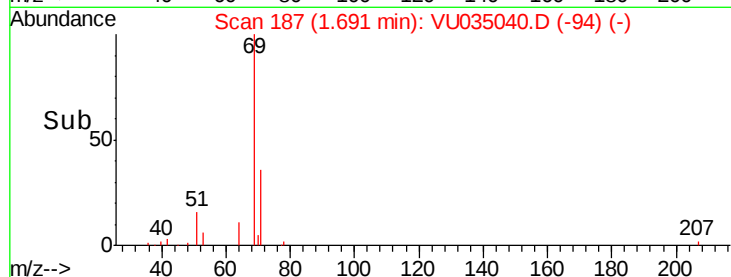
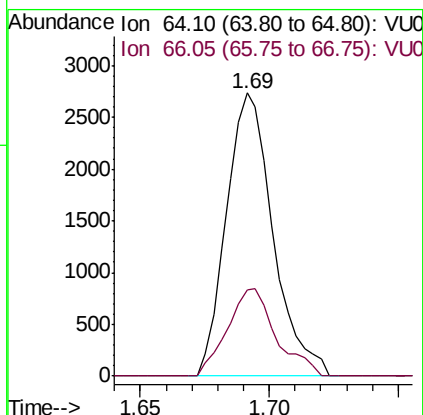
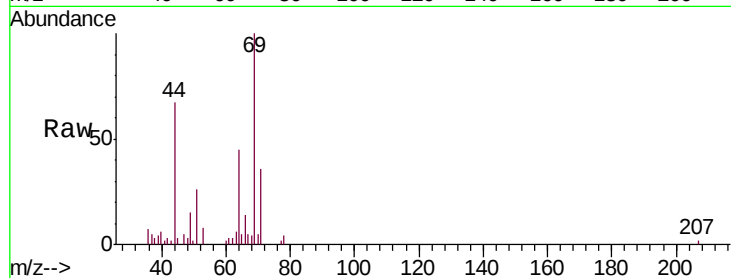




#8
Chloroethane
Concen: 0.365 ug/L
RT: 1.69 min Scan# 187
Delta R.T. 0.00 min
Lab File: VU035040.D
Acq: 10 Oct 2019 11:54

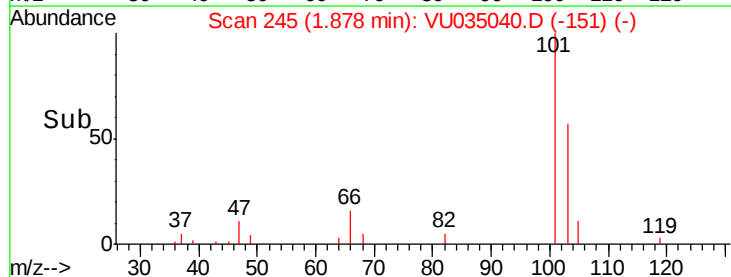
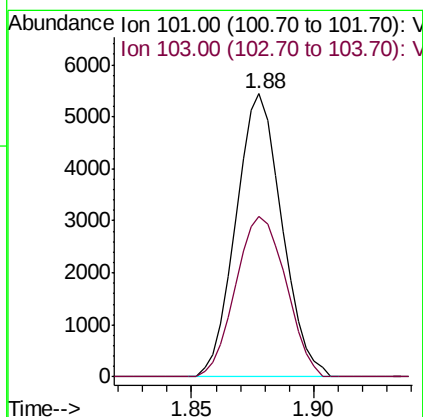
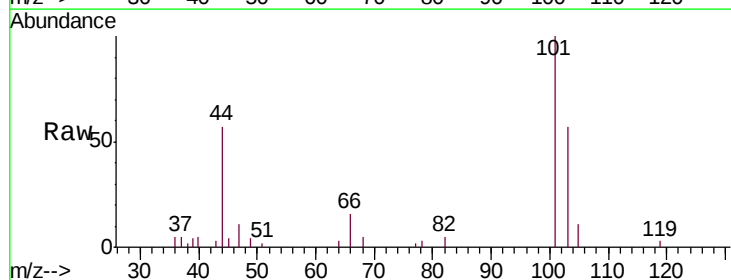
Instrument :
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MDL05

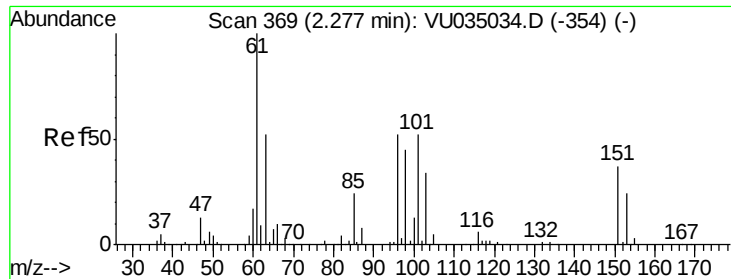
Tgt Ion: 64 Resp: 3445
Ion Ratio Lower Upper
64 100
66 30.7 23.2 43.2



#9
Trichlorofluoromethane
Concen: 0.374 ug/L
RT: 1.88 min Scan# 245
Delta R.T. 0.00 min
Lab File: VU035040.D
Acq: 10 Oct 2019 11:54

Tgt Ion: 101 Resp: 7112
Ion Ratio Lower Upper
101 100
103 61.8 52.2 78.4





#10

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

Concen: 0.414 ug/L

RT: 2.28 min Scan# 369

Delta R.T. 0.00 min

Lab File: VU035040.D

Acq: 10 Oct 2019 11:54

Instrument :

MSVOA_U

ClientSampled :

MDL05

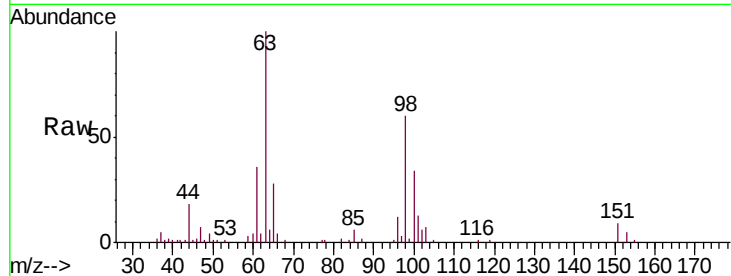
Tgt Ion:101 Resp: 4523

Ion Ratio Lower Upper

101 100

85 41.9 37.4 56.0

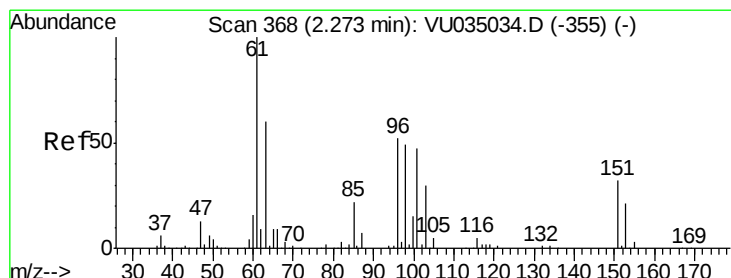
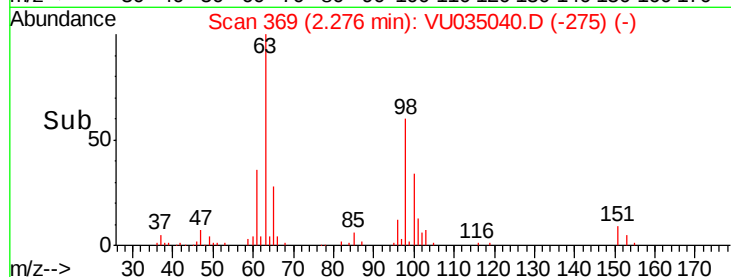
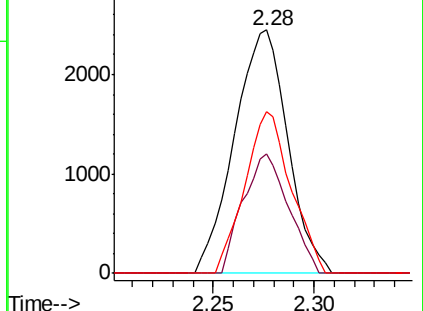
151 57.5 58.6 87.8#



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VU0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 0.409 ug/L

RT: 2.27 min Scan# 368

Delta R.T. 0.00 min

Lab File: VU035040.D

Acq: 10 Oct 2019 11:54

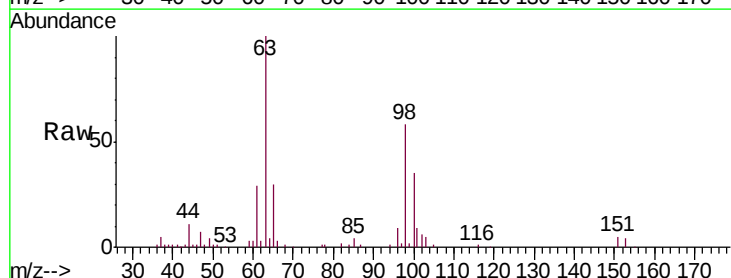
Tgt Ion: 96 Resp: 4201

Ion Ratio Lower Upper

96 100

61 320.5 129.3 240.1#

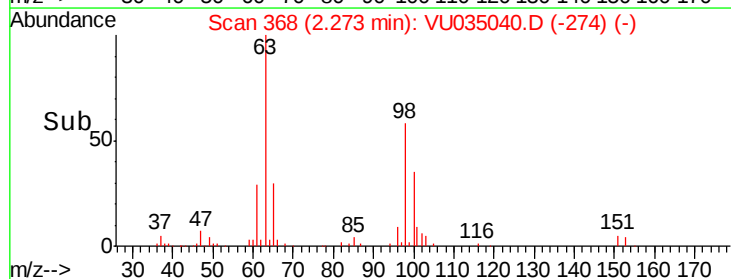
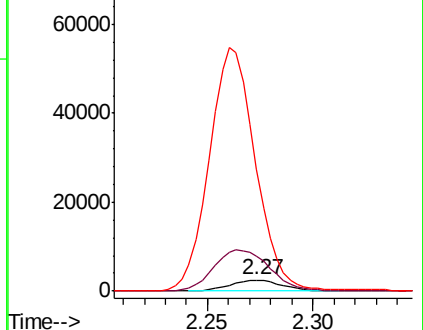
63 1100.0 108.9 202.3#

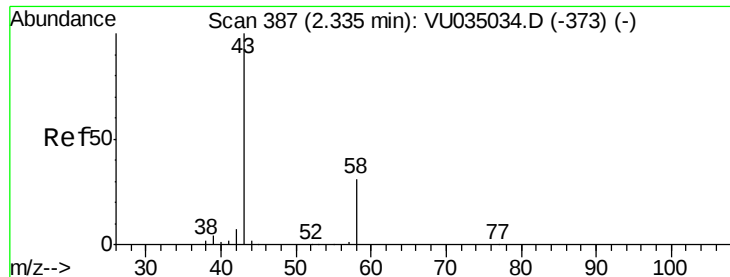


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 4.354 ug/L

RT: 2.34 min Scan# 388

Delta R.T. 0.01 min

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ClientSampleId :

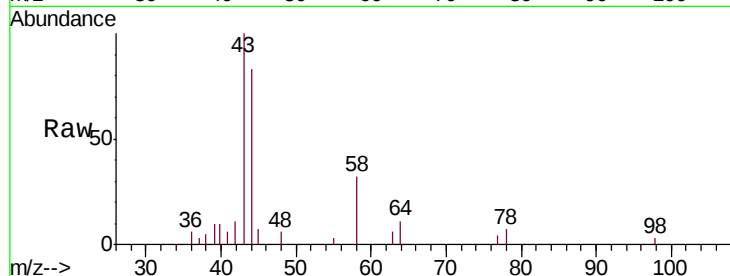
MDL05

Tgt Ion: 43 Resp: 9920

Ion Ratio Lower Upper

43 100

58 30.3 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) (-)

2.34

4000

3000

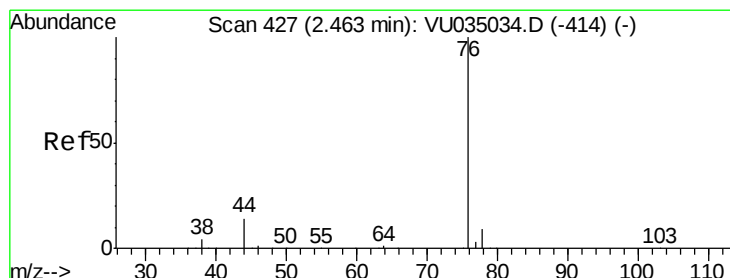
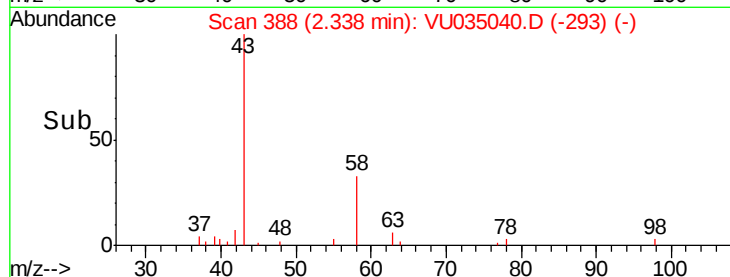
2000

1000

0

2.25 2.30 2.35 2.40 2.45

Time-->



#14

Carbon disulfide

Concen: 0.335 ug/L

RT: 2.47 min Scan# 428

Delta R.T. 0.00 min

Lab File: VU035040.D

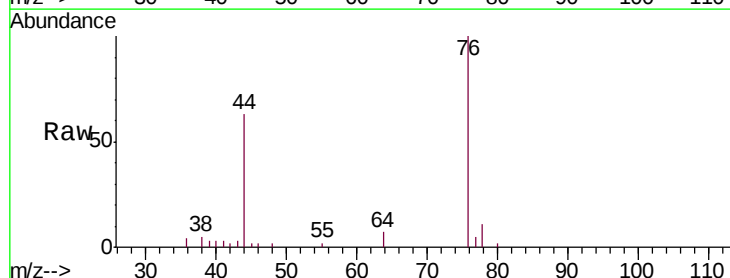
Acq: 10 Oct 2019 11:54

Tgt Ion: 76 Resp: 11451

Ion Ratio Lower Upper

76 100

78 10.9 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

6000

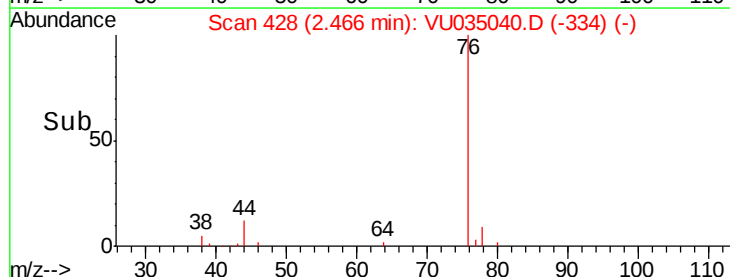
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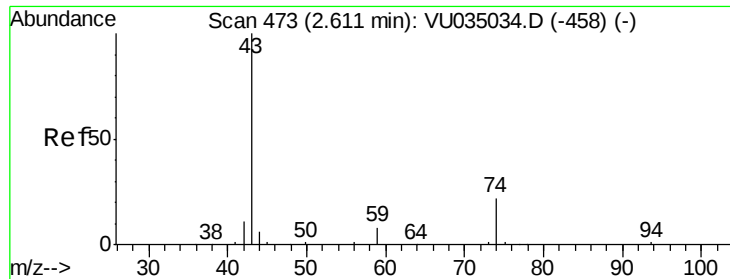
2000

0

2.40 2.45 2.50 2.55

Time-->

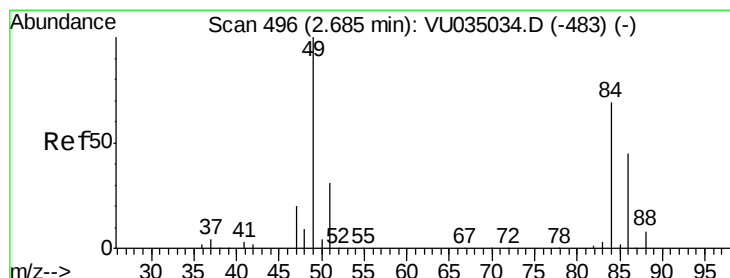
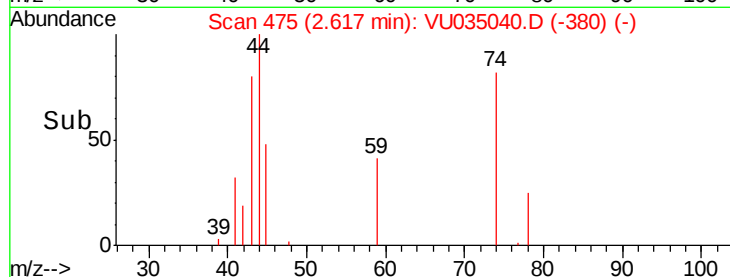
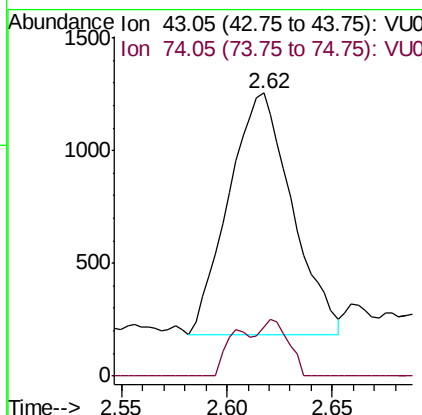
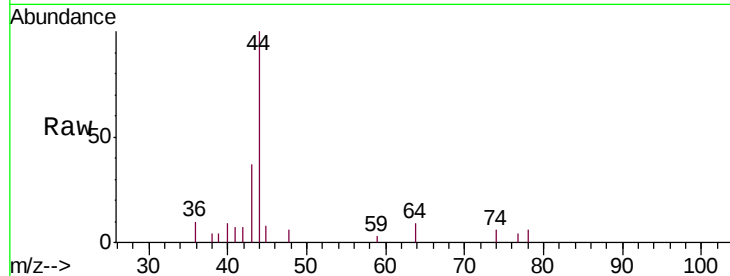




#15
Methyl Acetate
Concen: 0.369 ug/L
RT: 2.62 min Scan# 475
Delta R.T. 0.01 min
Lab File: VU035040.D
Acq: 10 Oct 2019 11:54

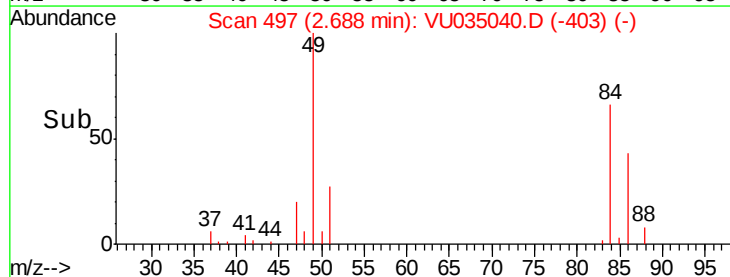
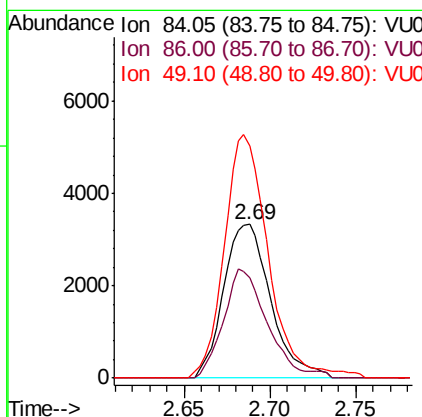
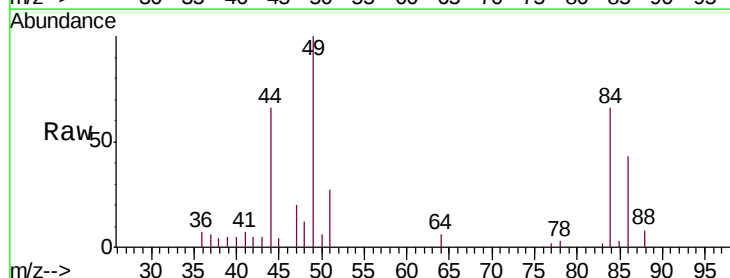
Instrument :
MSVOA_U
ClientSampleId :
MDL05

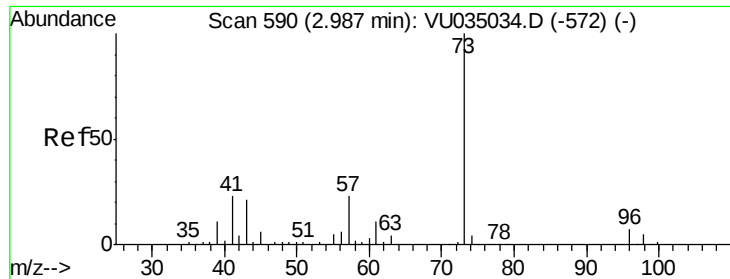
Tgt Ion: 43 Resp: 2236
Ion Ratio Lower Upper
43 100
74 11.3 17.8 26.8#



#16
Methylene chloride
Concen: 0.502 ug/L
RT: 2.69 min Scan# 497
Delta R.T. 0.00 min
Lab File: VU035040.D
Acq: 10 Oct 2019 11:54

Tgt Ion: 84 Resp: 6374
Ion Ratio Lower Upper
84 100
86 65.3 42.5 78.9
49 150.9 86.9 161.3





#17

Methyl tert-butyl Ether

Concen: 0.381 ug/L

RT: 2.99 min Scan# 590

Delta R.T. 0.00 min

Lab File: VU035040.D

Acq: 10 Oct 2019 11:54

Instrument :

MSVOA_U

ClientSampleId :

MDL05

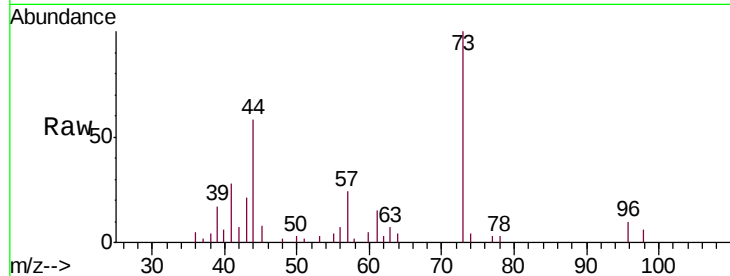
Tgt Ion: 73 Resp: 10681

Ion Ratio Lower Upper

73 100

43 22.9 16.3 24.5

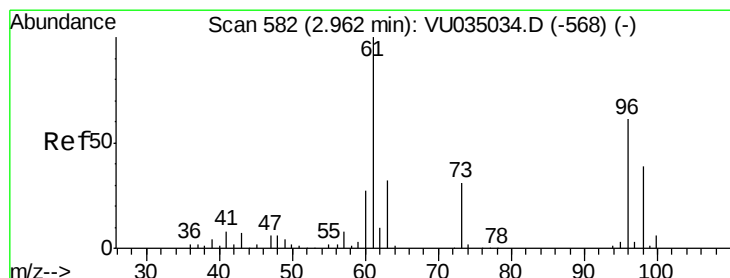
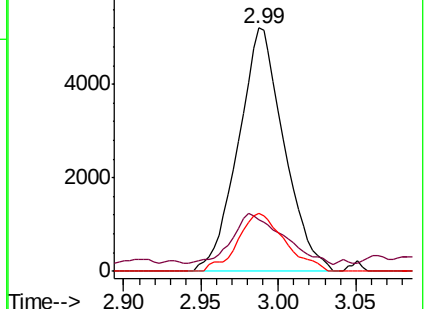
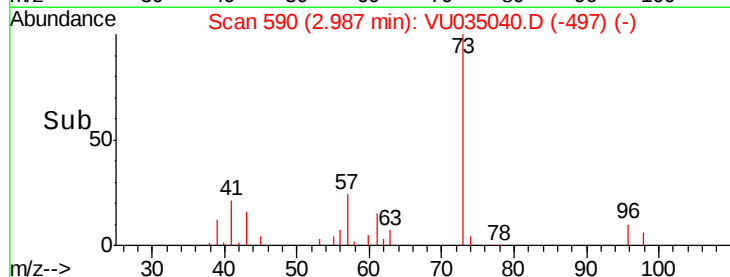
57 24.6 18.6 28.0



Abundance Ion 73.10 (72.80 to 73.80): VU035040.D (-497) (-)

Ion 43.05 (42.75 to 43.75): VU035040.D (-497) (-)

Ion 57.10 (56.80 to 57.80): VU035040.D (-497) (-)



#18

trans-1,2-Dichloroethene

Concen: 0.355 ug/L

RT: 2.96 min Scan# 583

Delta R.T. 0.00 min

Lab File: VU035040.D

Acq: 10 Oct 2019 11:54

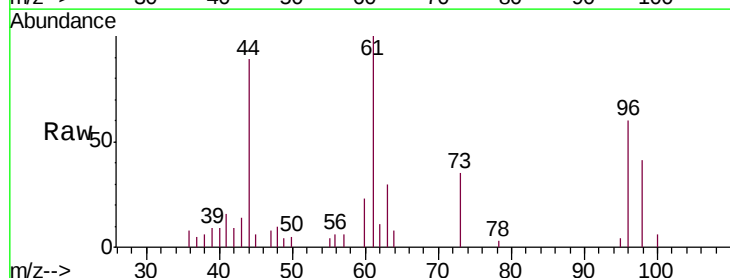
Tgt Ion: 96 Resp: 3900

Ion Ratio Lower Upper

96 100

61 165.6 107.1 198.9

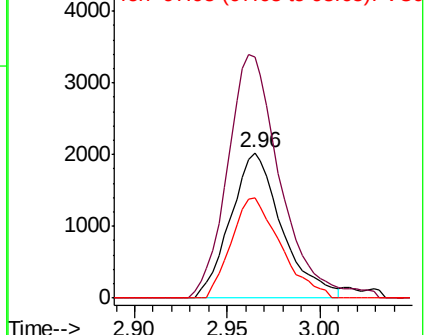
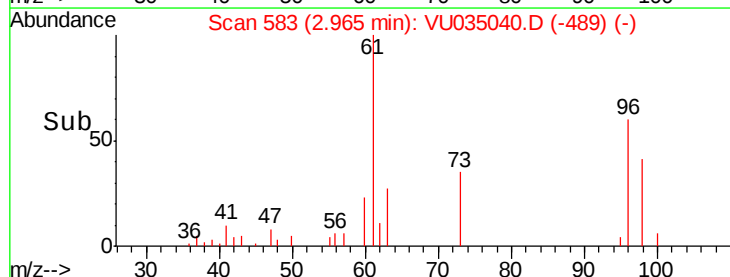
98 68.5 45.4 84.4

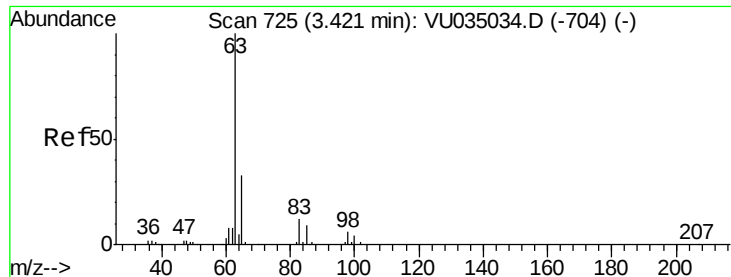


Abundance Ion 96.00 (95.70 to 96.70): VU035040.D (-489) (-)

Ion 61.05 (60.75 to 61.75): VU035040.D (-489) (-)

Ion 97.95 (97.65 to 98.65): VU035040.D (-489) (-)





#19

1,1-Dichloroethane

Concen: 0.378 ug/L

RT: 3.42 min Scan# 725

Delta R.T. 0.00 min

Lab File: VU035040.D

Acq: 10 Oct 2019 11:54

Instrument :

MSVOA_U

ClientSampleId :

MDL05

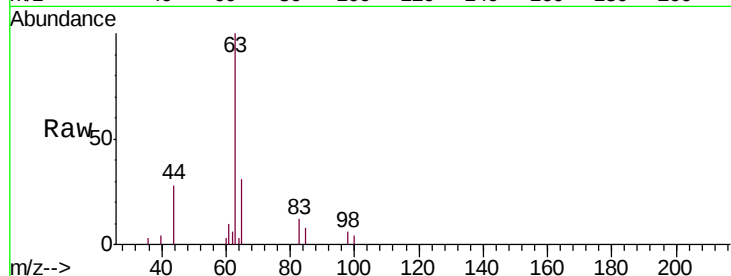
Tgt Ion: 63 Resp: 8262

Ion Ratio Lower Upper

63 100

65 30.6 21.7 40.3

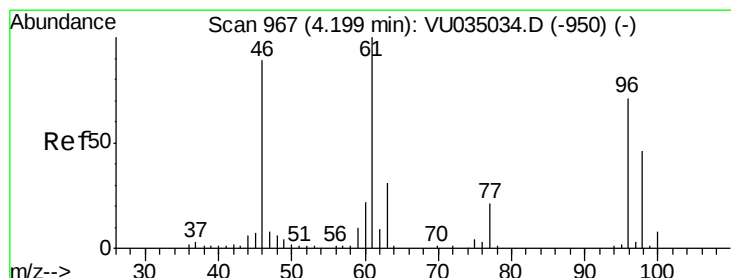
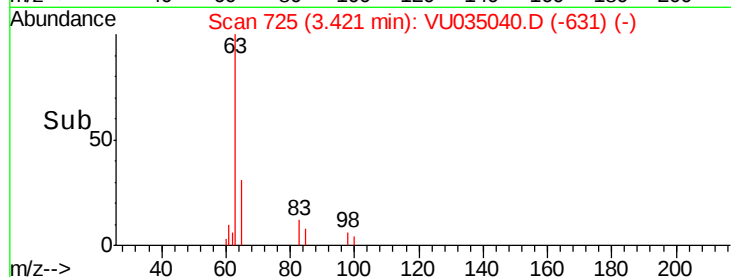
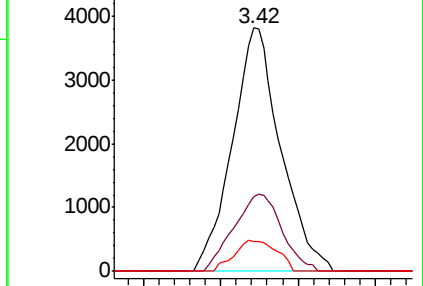
83 12.4 9.0 16.8



Abundance Ion 63.10 (62.80 to 63.80): VU035040.D (-631) (-)

Ion 65.10 (64.80 to 65.80): VU035040.D (-631) (-)

Ion 83.05 (82.75 to 83.75): VU035040.D (-631) (-)



#22

cis-1,2-Dichloroethene

Concen: 0.360 ug/L

RT: 4.20 min Scan# 967

Delta R.T. 0.00 min

Lab File: VU035040.D

Acq: 10 Oct 2019 11:54

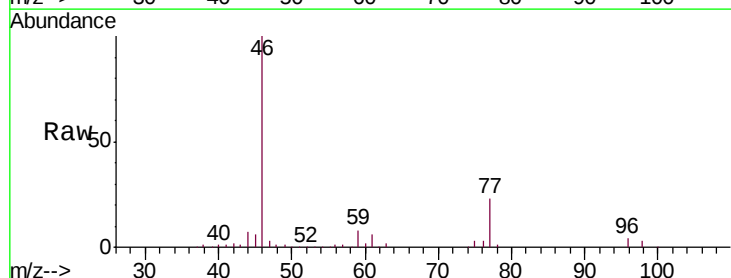
Tgt Ion: 96 Resp: 4408

Ion Ratio Lower Upper

96 100

61 142.2 89.2 165.6

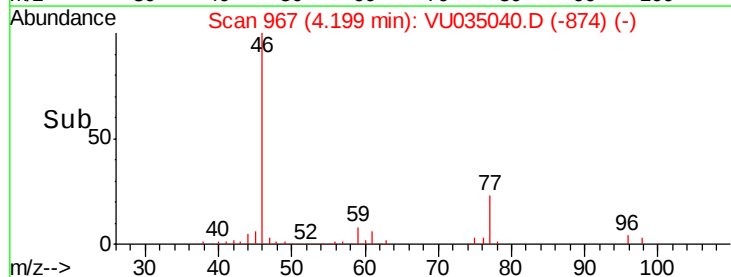
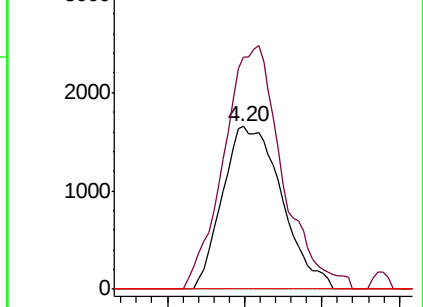
68 0.0 0.0 0.0

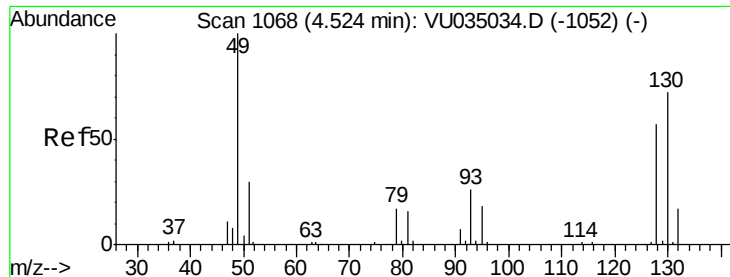


Abundance Ion 96.00 (95.70 to 96.70): VU035040.D (-874) (-)

Ion 61.05 (60.75 to 61.75): VU035040.D (-874) (-)

Ion 68.15 (67.85 to 68.85): VU035040.D (-874) (-)

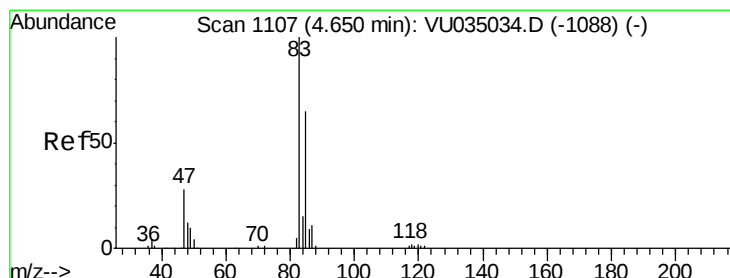
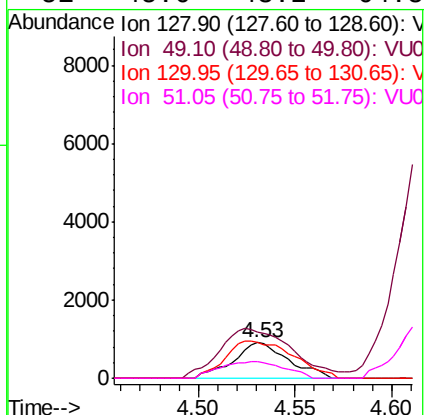
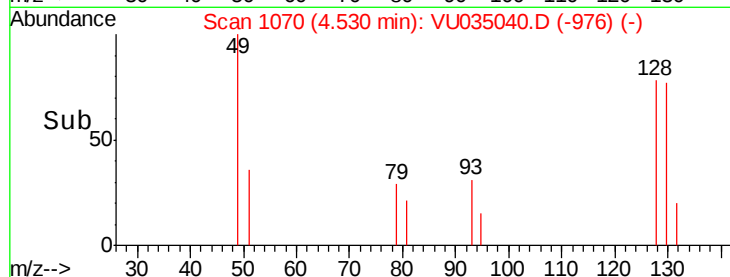
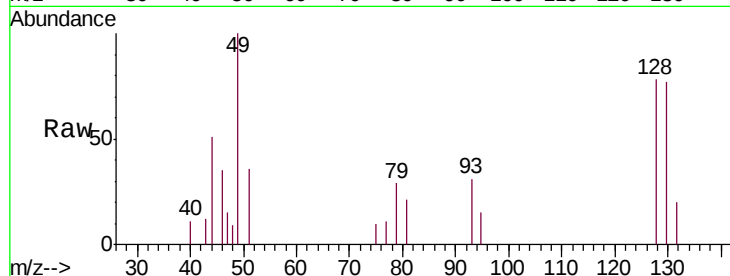




#23
Bromochloromethane
Concen: 0.351 ug/L
RT: 4.53 min Scan# 1070
Delta R.T. 0.00 min
Lab File: VU035040.D
Acq: 10 Oct 2019 11:54

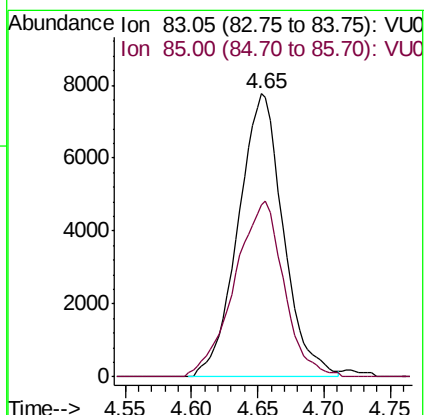
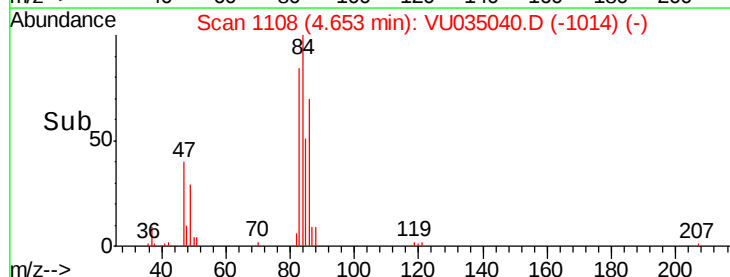
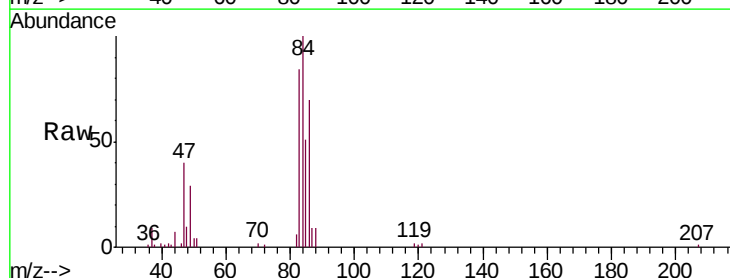
Instrument :
MSVOA_U
ClientSampleId :
MDL05

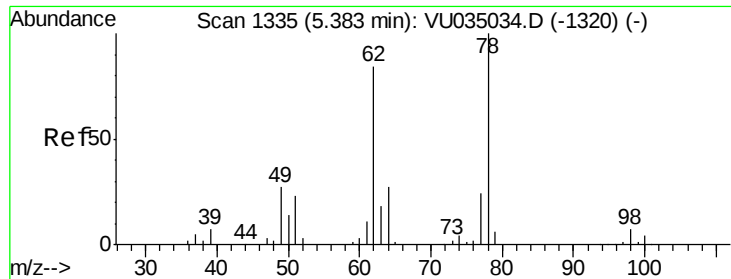
Tgt Ion:128 Resp: 1804
Ion Ratio Lower Upper
128 100
49 128.4 110.5 205.3
130 98.8 88.6 164.6
51 45.6 43.2 64.8



#25
Chloroform
Concen: 0.751 ug/L
RT: 4.65 min Scan# 1108
Delta R.T. 0.00 min
Lab File: VU035040.D
Acq: 10 Oct 2019 11:54

Tgt Ion: 83 Resp: 18425
Ion Ratio Lower Upper
83 100
85 60.7 45.4 84.4





#27

1,2-Dichloroethane

Concen: 0.371 ug/L

RT: 5.39 min Scan# 1338

Delta R.T. 0.01 min

Lab File: VU035040.D

Acq: 10 Oct 2019 11:54

Instrument :

MSVOA_U

ClientSampleId :

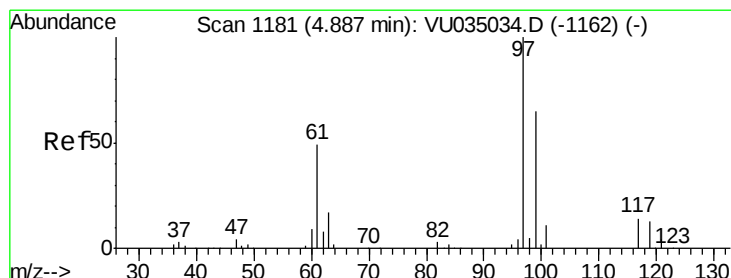
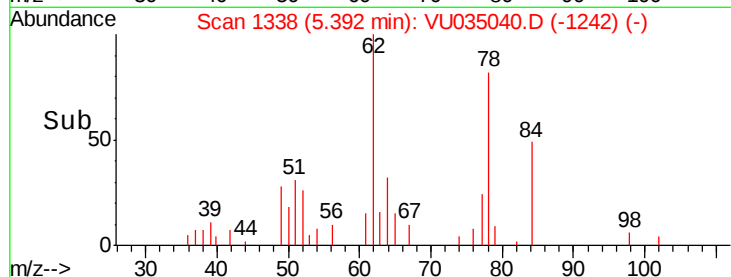
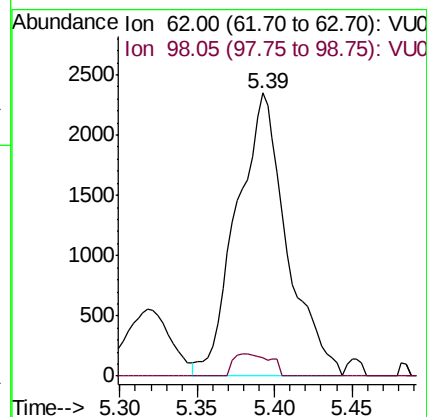
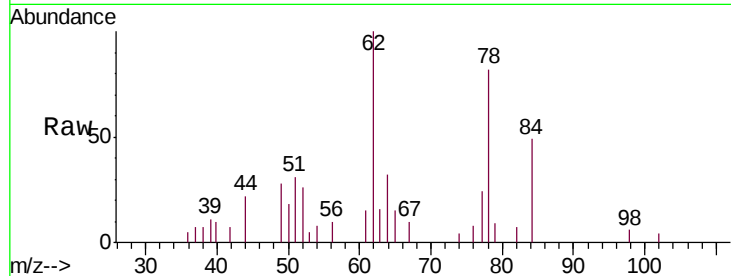
MDL05

Tgt Ion: 62 Resp: 5312

Ion Ratio Lower Upper

62 100

98 6.4 6.6 10.0#



#29

1,1,1-Trichloroethane

Concen: 0.320 ug/L

RT: 4.89 min Scan# 1181

Delta R.T. 0.00 min

Lab File: VU035040.D

Acq: 10 Oct 2019 11:54

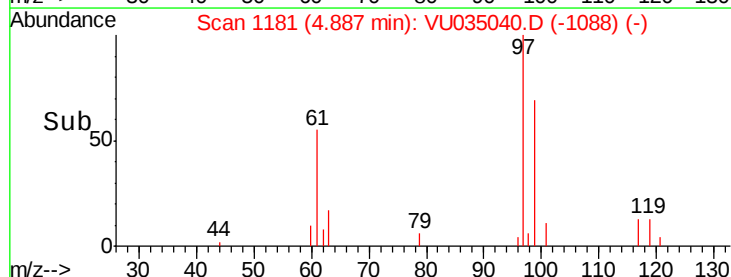
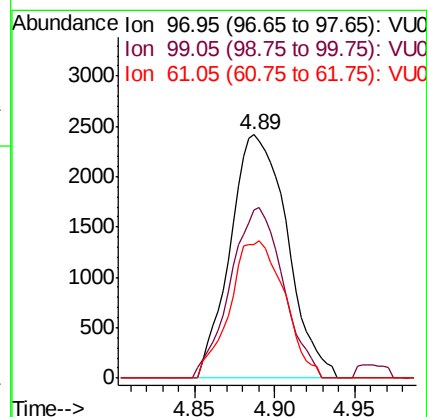
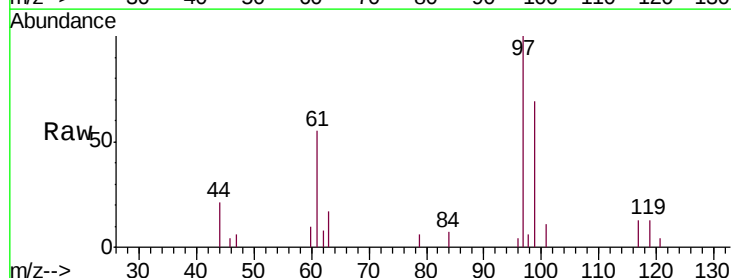
Tgt Ion: 97 Resp: 5893

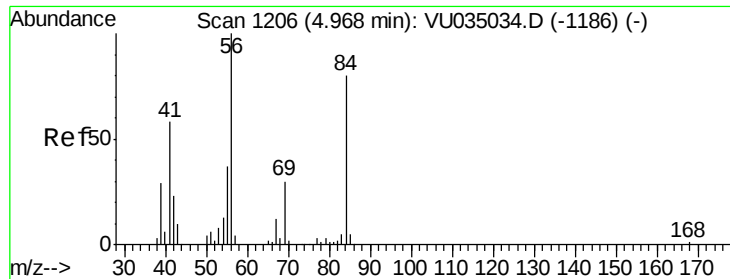
Ion Ratio Lower Upper

97 100

99 65.1 51.6 77.4

61 53.8 36.2 54.4

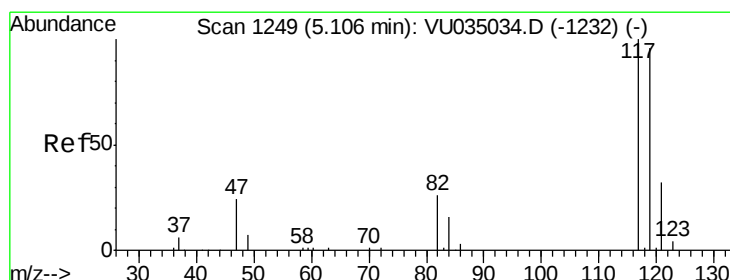
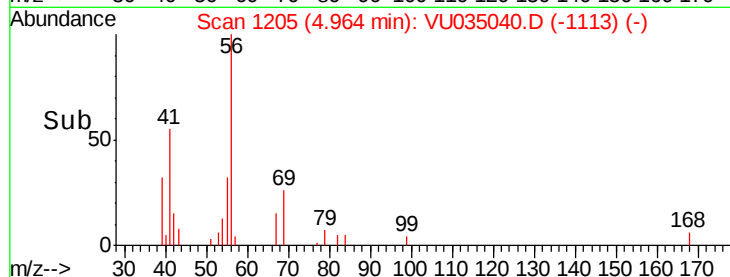
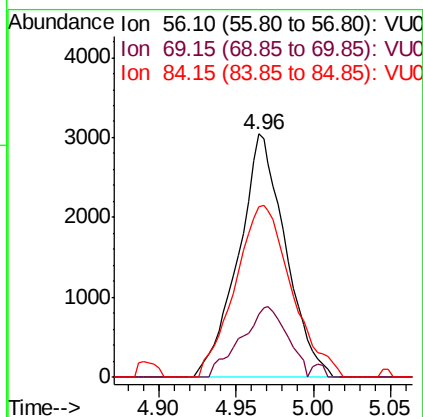
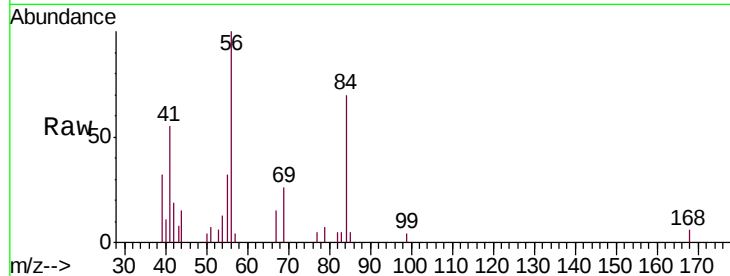




#30
Cyclohexane
Concen: 0.318 ug/L
RT: 4.96 min Scan# 1205
Delta R.T. -0.00 min
Lab File: VU035040.D
Acq: 10 Oct 2019 11:54

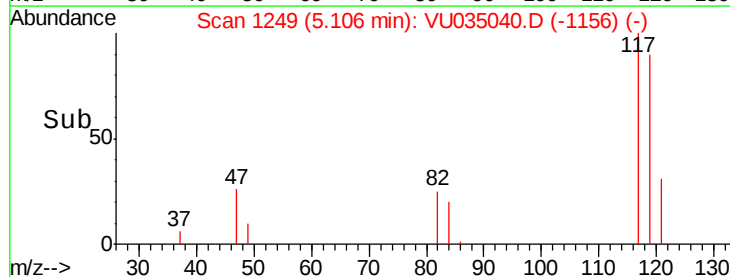
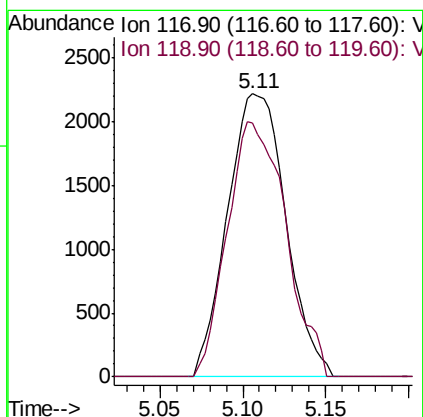
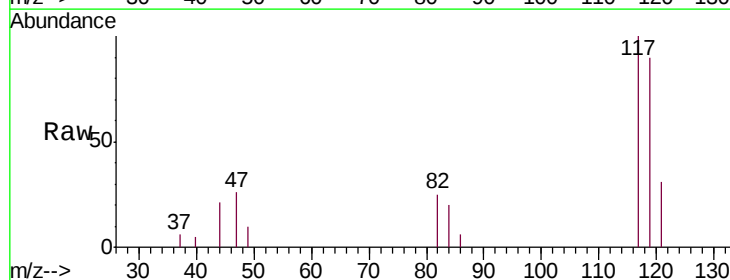
Instrument :
MSVOA_U
ClientSampleId :
MDL05

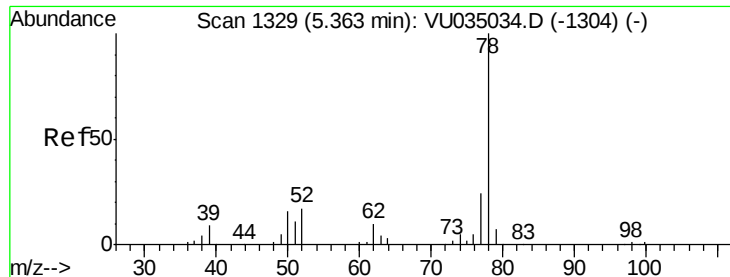
Tgt Ion: 56 Resp: 6448
Ion Ratio Lower Upper
56 100
69 28.6 23.9 35.9
84 84.4 69.5 104.3



#31
Carbon tetrachloride
Concen: 0.340 ug/L
RT: 5.11 min Scan# 1249
Delta R.T. 0.00 min
Lab File: VU035040.D
Acq: 10 Oct 2019 11:54

Tgt Ion: 117 Resp: 5433
Ion Ratio Lower Upper
117 100
119 90.4 77.5 116.3





#33

Benzene

Concen: 0.340 ug/L

RT: 5.37 min Scan# 1330

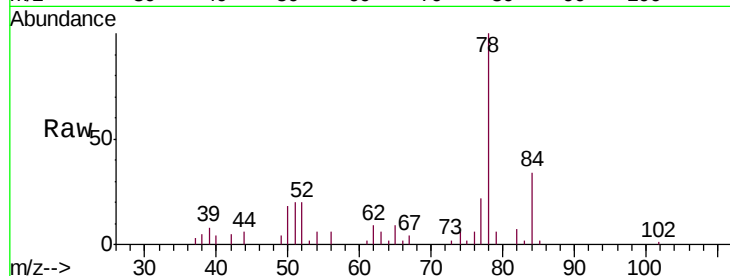
Delta R.T. 0.00 min

Lab File: VU035040.D

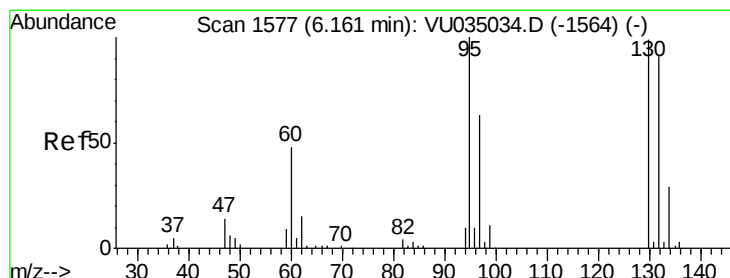
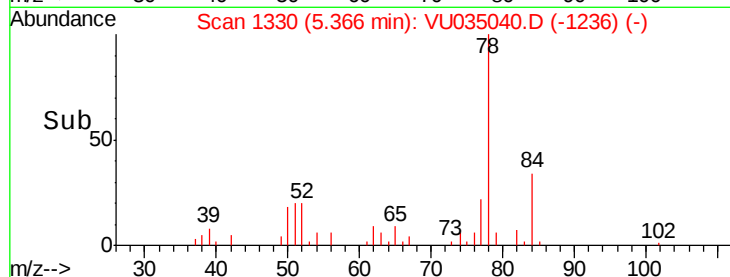
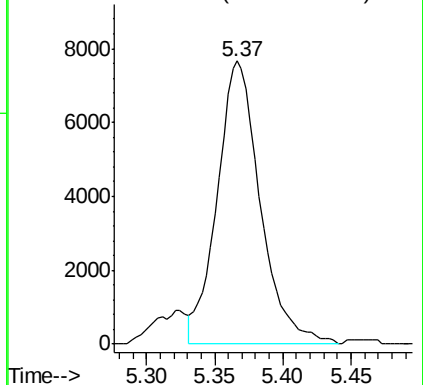
Acq: 10 Oct 2019 11:54

Instrument :
MSVOA_U
ClientSampleId :
MDL05

Tgt Ion: 78 Resp: 16834



Abundance Ion 78.10 (77.80 to 78.80): VU0



#34

Trichloroethene

Concen: 0.344 ug/L

RT: 6.17 min Scan# 1579

Delta R.T. 0.01 min

Lab File: VU035040.D

Acq: 10 Oct 2019 11:54

Tgt Ion: 95 Resp: 4390

Ion	Ratio	Lower	Upper
95	100		
97	56.6	44.5	82.7
132	87.5	66.6	123.8
130	90.5	68.9	127.9

Ion 95.00 (94.70 to 95.70): VU0

Ion 96.95 (96.65 to 97.65): VU0

Ion 131.95 (131.65 to 132.65): V

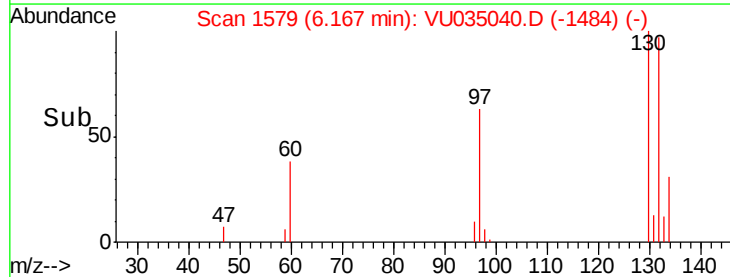
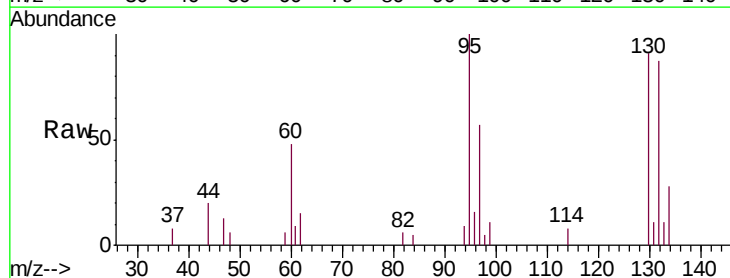
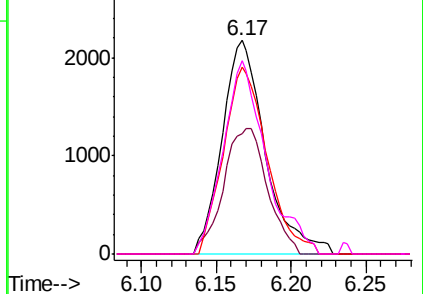
Ion 129.95 (129.65 to 130.65): V

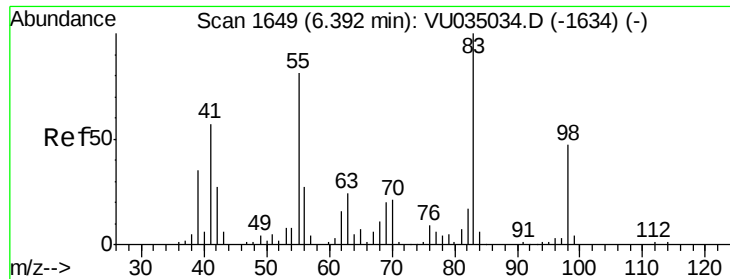
Abundance Ion 95.00 (94.70 to 95.70): VU0

Ion 96.95 (96.65 to 97.65): VU0

Ion 131.95 (131.65 to 132.65): V

Ion 129.95 (129.65 to 130.65): V

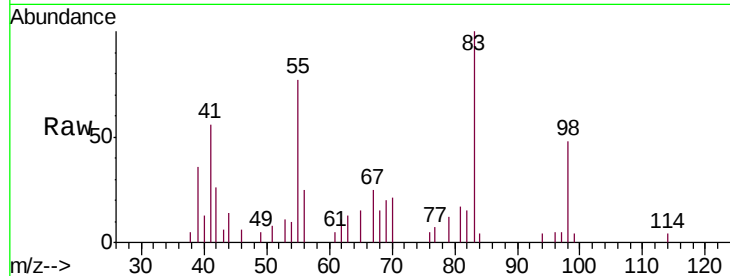




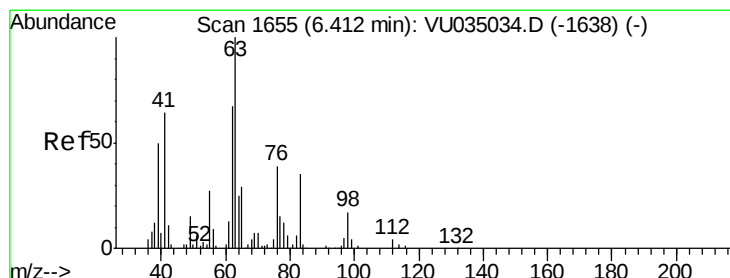
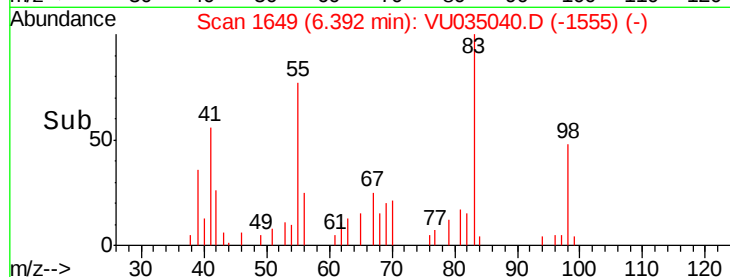
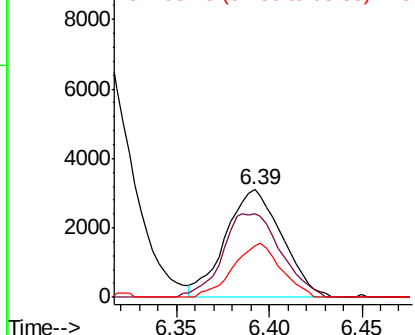
#35
Methylcyclohexane
Concen: 0.318 ug/L
RT: 6.39 min Scan# 1649
Delta R.T. 0.00 min
Lab File: VU035040.D
Acq: 10 Oct 2019 11:54

Instrument :
MSVOA_U
ClientSampleId :
MDL05

Tgt Ion: 83 Resp: 6577
Ion Ratio Lower Upper
83 100
55 79.5 62.6 94.0
98 42.0 36.2 54.2

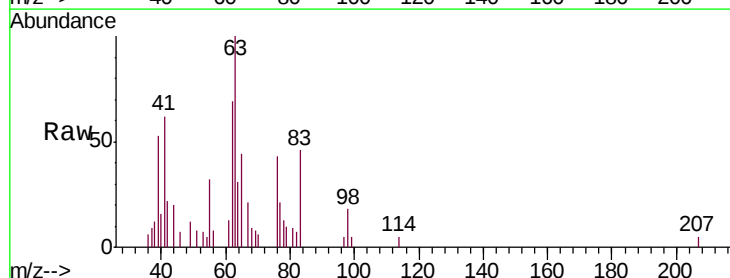


Abundance Ion 83.15 (82.85 to 83.85): VU0
Ion 55.10 (54.80 to 55.80): VU0
Ion 98.15 (97.85 to 98.85): VU0

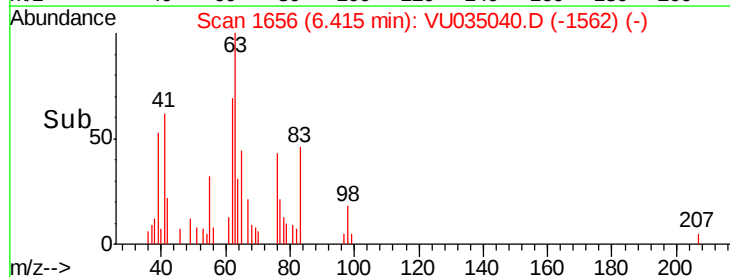
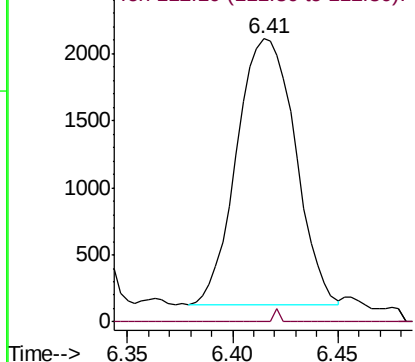


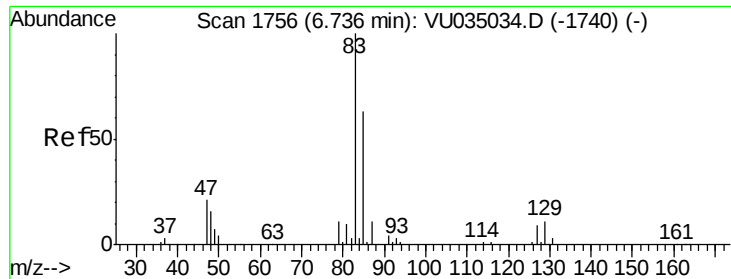
#37
1,2-Dichloropropane
Concen: 0.287 ug/L
RT: 6.41 min Scan# 1656
Delta R.T. 0.00 min
Lab File: VU035040.D
Acq: 10 Oct 2019 11:54

Tgt Ion: 63 Resp: 3834
Ion Ratio Lower Upper
63 100
112 0.5 3.1 4.7#



Abundance Ion 63.10 (62.80 to 63.80): VU0
Ion 112.10 (111.80 to 112.80): V





#38

Bromodichloromethane

Concen: 0.311 ug/L

RT: 6.74 min Scan# 1757

Delta R.T. 0.00 min

Lab File: VU035040.D

Acq: 10 Oct 2019 11:54

Instrument :

MSVOA_U

ClientSampleId :

MDL05

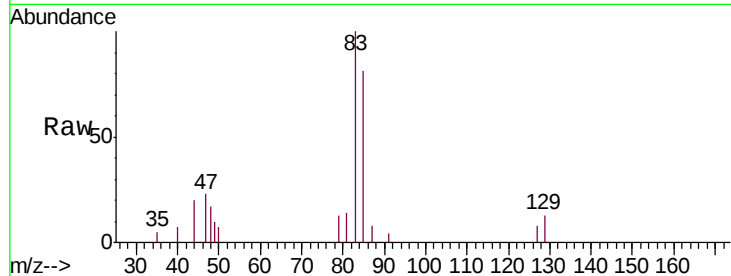
Tgt Ion: 83 Resp: 4861

Ion Ratio Lower Upper

83 100

85 80.6 44.0 81.8

127 8.4 7.0 10.4

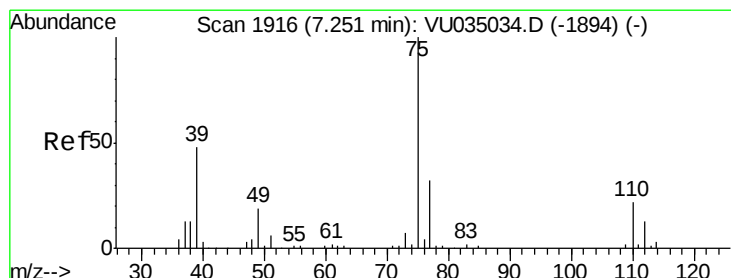
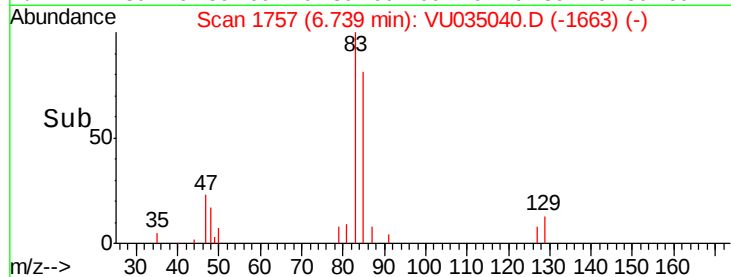


Abundance Ion 82.95 (82.65 to 83.65): VU035040.D (-1740) (-)

Ion 85.00 (84.70 to 85.70): VU035040.D (-1740) (-)

Ion 126.90 (126.60 to 127.60): VU035040.D (-1740) (-)

Time-->



#39

cis-1,3-Dichloropropene

Concen: 0.295 ug/L

RT: 7.25 min Scan# 1917

Delta R.T. 0.00 min

Lab File: VU035040.D

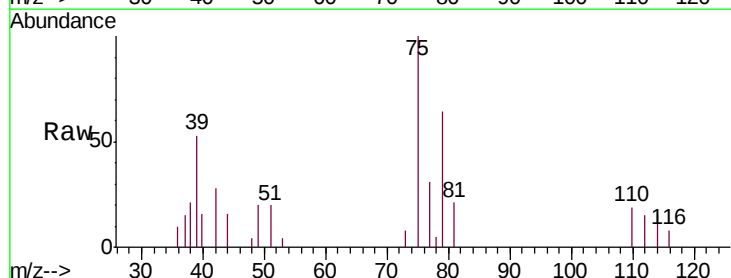
Acq: 10 Oct 2019 11:54

Tgt Ion: 75 Resp: 5329

Ion Ratio Lower Upper

75 100

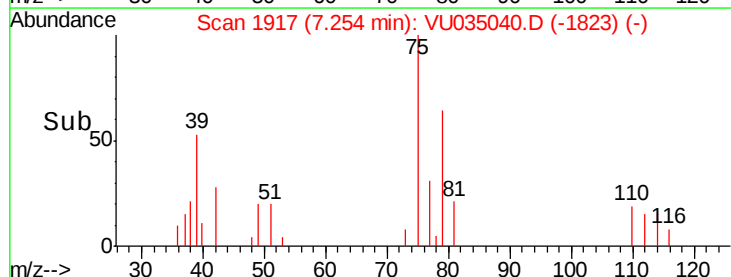
77 30.7 22.1 41.1

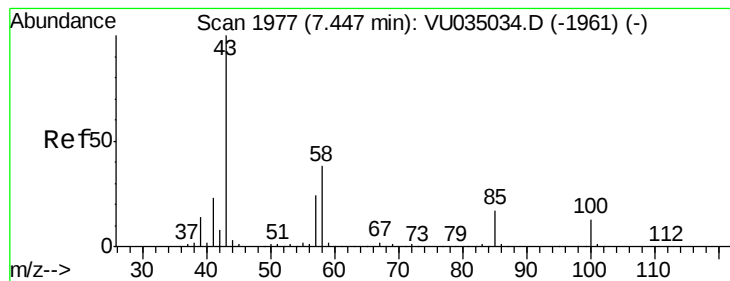


Abundance Ion 75.05 (74.75 to 75.75): VU035040.D (-1894) (-)

Ion 77.05 (76.75 to 77.75): VU035040.D (-1894) (-)

Time-->





#40

4-Methyl-2-pentanone

Concen: 3.164 ug/L

RT: 7.45 min Scan# 1979

Delta R.T. 0.01 min

Lab File: VU035040.D

Acq: 10 Oct 2019 11:54

Instrument :

MSVOA_U

ClientSampleId :

MDL05

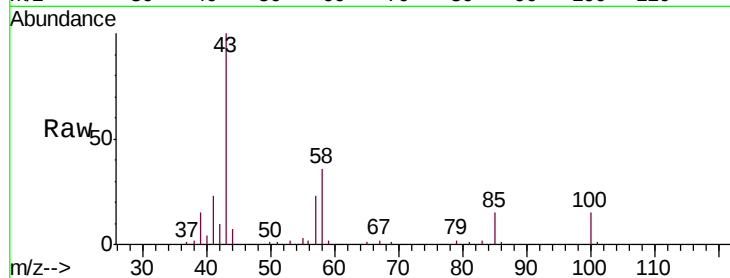
Tgt Ion: 43 Resp: 26565

Ion Ratio Lower Upper

43 100

58 38.0 32.4 48.6

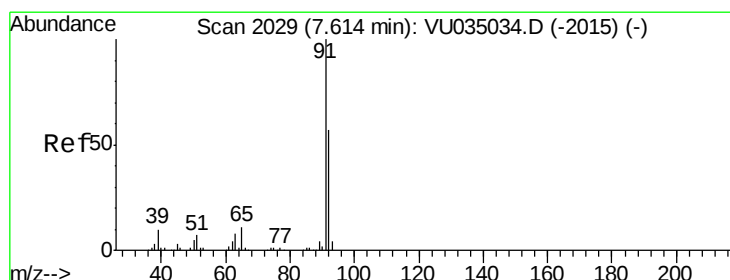
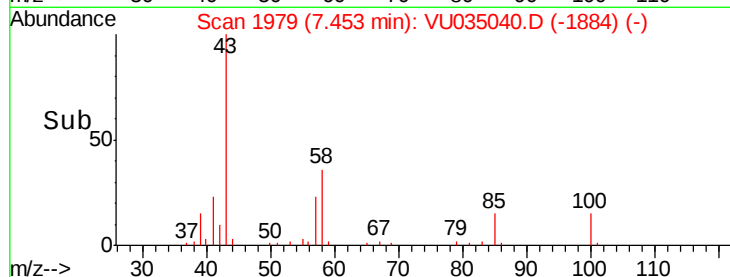
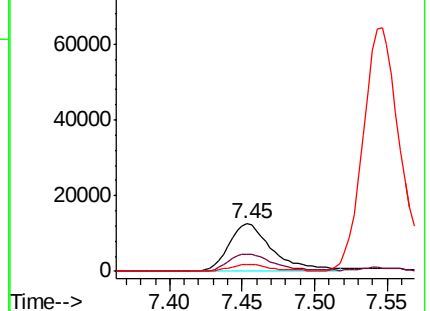
100 14.0 11.9 17.9



Abundance Ion 43.05 (42.75 to 43.75): VU035040.D (-1961) (-)

Ion 58.05 (57.75 to 58.75): VU035040.D (-1961) (-)

Ion 100.15 (99.85 to 100.85): VU035040.D (-1961) (-)



#42

Toluene

Concen: 0.326 ug/L

RT: 7.62 min Scan# 2031

Delta R.T. 0.01 min

Lab File: VU035040.D

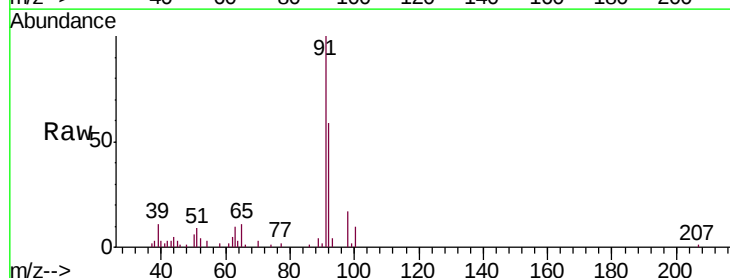
Acq: 10 Oct 2019 11:54

Tgt Ion: 91 Resp: 16806

Ion Ratio Lower Upper

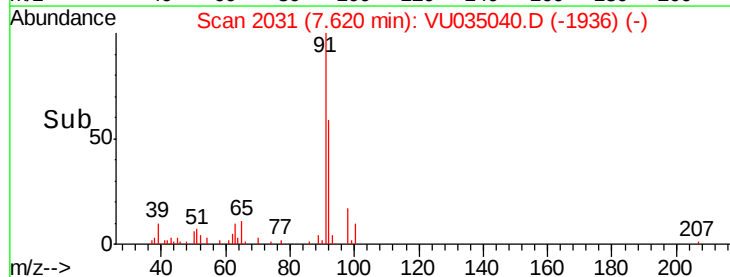
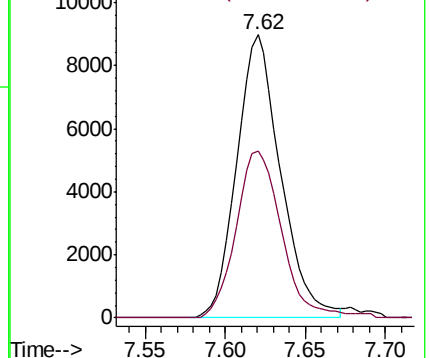
91 100

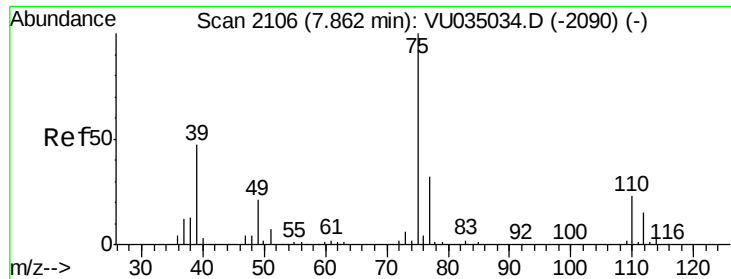
92 58.7 40.0 74.2



Abundance Ion 91.15 (90.85 to 91.85): VU035040.D (-1936) (-)

Ion 92.15 (91.85 to 92.85): VU035040.D (-1936) (-)





#44

trans-1,3-Dichloropropene

Concen: 0.372 ug/L

RT: 7.87 min Scan# 2109

Delta R.T. 0.01 min

Lab File: VU035040.D

Acq: 10 Oct 2019 11:54

Instrument :

MSVOA_U

ClientSampleId :

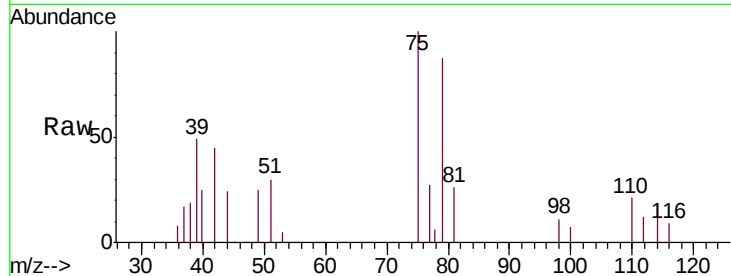
MDL05

Tgt Ion: 75 Resp: 5207

Ion Ratio Lower Upper

75 100

77 26.6 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

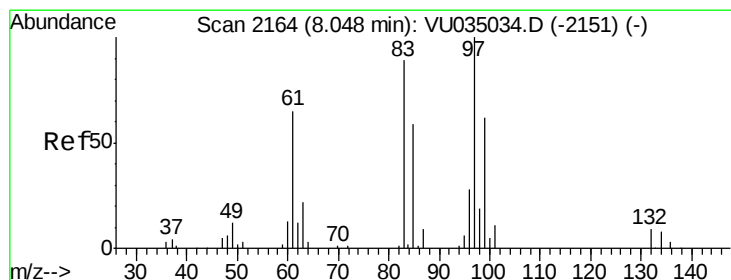
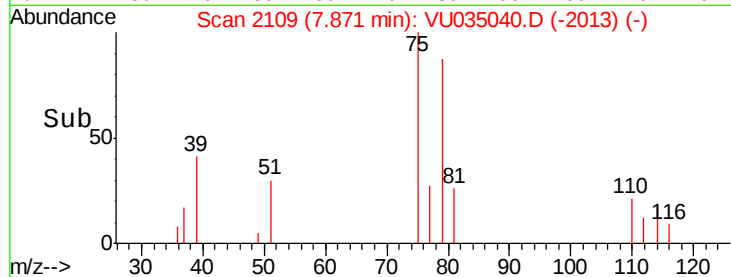
500

0

7.80

7.90

Time-->



#45

1,1,2-Trichloroethane

Concen: 0.352 ug/L

RT: 8.05 min Scan# 2166

Delta R.T. 0.01 min

Lab File: VU035040.D

Acq: 10 Oct 2019 11:54

Tgt Ion: 97 Resp: 3114

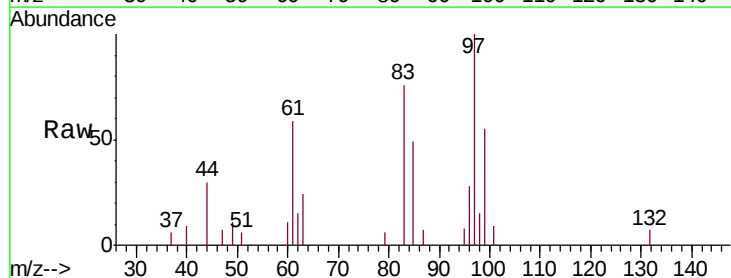
Ion Ratio Lower Upper

97 100

99 55.4 42.3 78.5

83 75.8 58.0 107.6

85 49.3 37.8 70.2



Abundance Ion 96.95 (96.65 to 97.65): VU035034.D (-2151) (-)

Ion 99.05 (98.75 to 99.75): VU035034.D (-2151) (-)

Ion 82.95 (82.65 to 83.65): VU035034.D (-2151) (-)

Ion 85.00 (84.70 to 85.70): VU035034.D (-2151) (-)

8.05

2500

2000

1500

1000

500

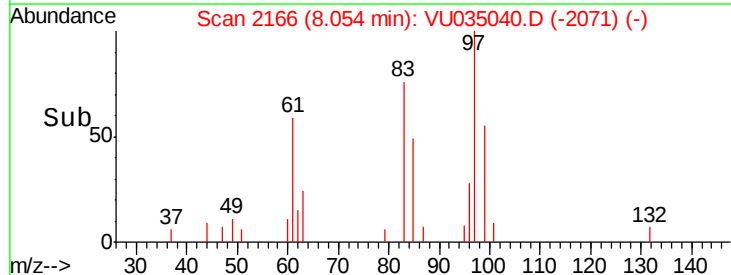
0

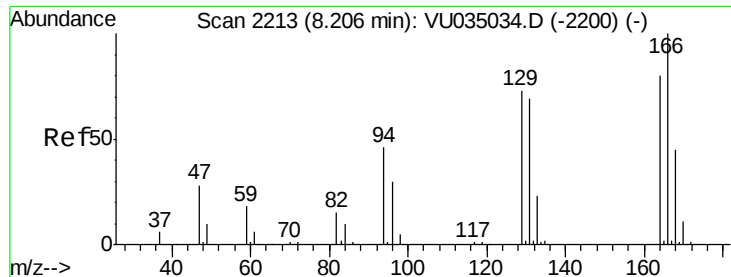
8.00

8.05

8.10

Time-->

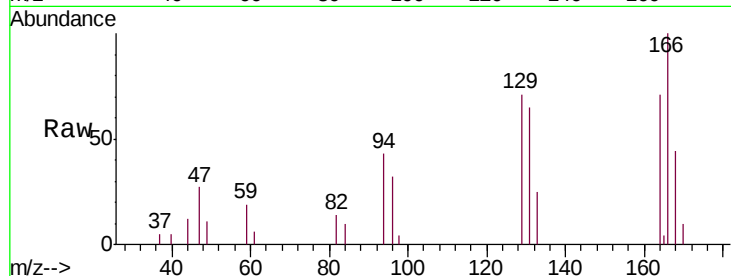




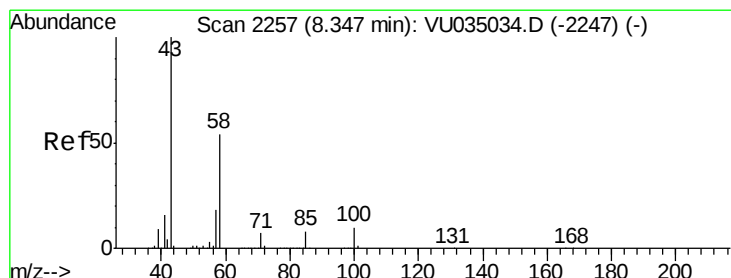
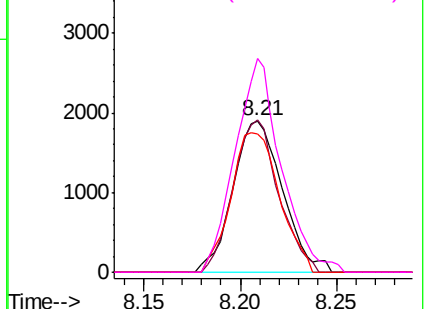
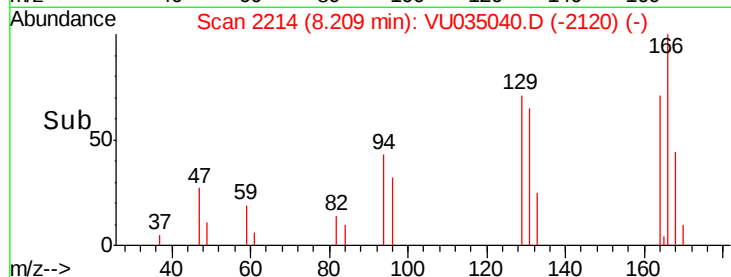
#47
Tetrachloroethene
Concen: 0.328 ug/L
RT: 8.21 min Scan# 2214
Delta R.T. 0.00 min
Lab File: VU035040.D
Acq: 10 Oct 2019 11:54

Instrument :
MSVOA_U
ClientSampleId :
MDL05

Tgt Ion: 164 Resp: 3382
Ion Ratio Lower Upper
164 100
129 100.5 68.5 127.1
131 91.2 67.3 124.9
166 140.9 93.1 172.9

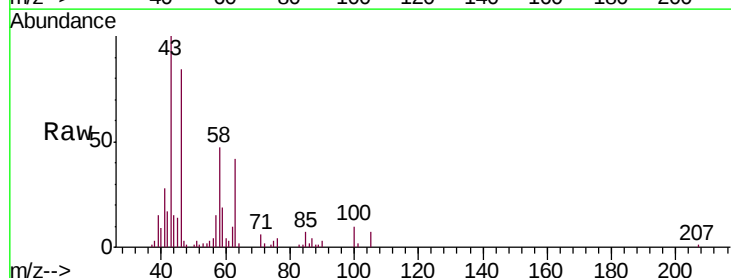


Abundance Ion 163.90 (163.60 to 164.60): V
Ion 128.95 (128.65 to 129.65): V
Ion 130.95 (130.65 to 131.65): V
Ion 165.90 (165.60 to 166.60): V

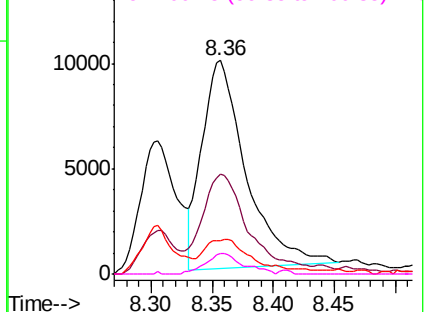
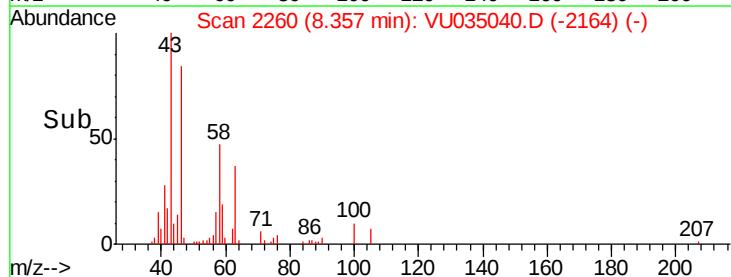


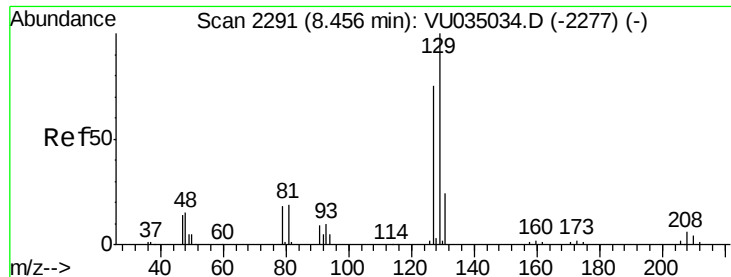
#48
2-Hexanone
Concen: 4.303 ug/L
RT: 8.36 min Scan# 2260
Delta R.T. 0.01 min
Lab File: VU035040.D
Acq: 10 Oct 2019 11:54

Tgt Ion: 43 Resp: 24774
Ion Ratio Lower Upper
43 100
58 46.1 44.1 66.1
57 16.2 15.8 23.8
100 8.5 9.4 14.2#



Abundance Ion 43.05 (42.75 to 43.75): VU0
Ion 58.05 (57.75 to 58.75): VU0
Ion 57.20 (56.90 to 57.90): VU0
Ion 100.15 (99.85 to 100.85): VU0





#49

Dibromochloromethane

Concen: 0.319 ug/L

RT: 8.46 min Scan# 2292

Delta R.T. 0.00 min

Lab File: VU035040.D

Acq: 10 Oct 2019 11:54

Instrument :

MSVOA_U

ClientSampleId :

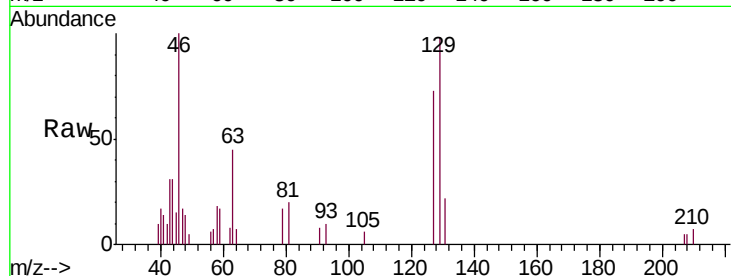
MDL05

Tgt Ion:129 Resp: 3270

Ion Ratio Lower Upper

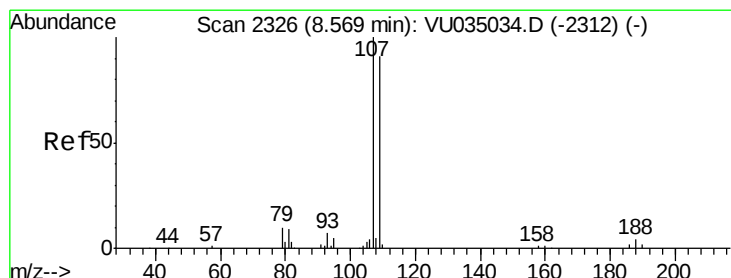
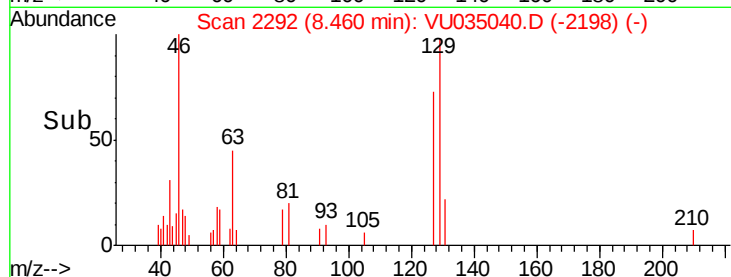
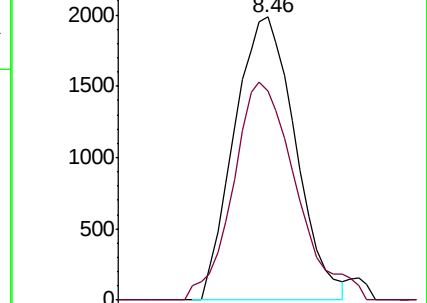
129 100

127 74.1 51.9 96.5



Abundance Ion 128.95 (128.65 to 129.65): V

Ion 126.90 (126.60 to 127.60): V



#50

1,2-Dibromoethane

Concen: 0.308 ug/L

RT: 8.57 min Scan# 2327

Delta R.T. 0.00 min

Lab File: VU035040.D

Acq: 10 Oct 2019 11:54

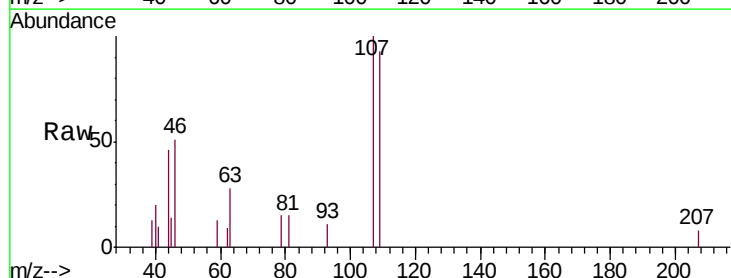
Tgt Ion:107 Resp: 2604

Ion Ratio Lower Upper

107 100

109 93.0 64.8 120.4

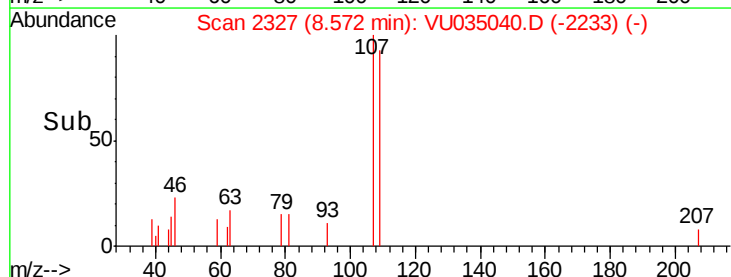
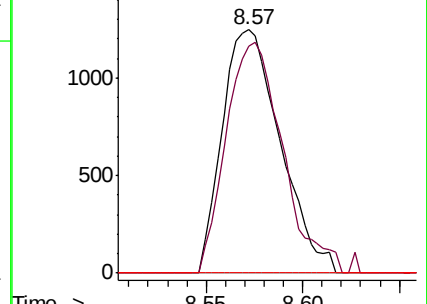
188 0.0 3.0 4.6#

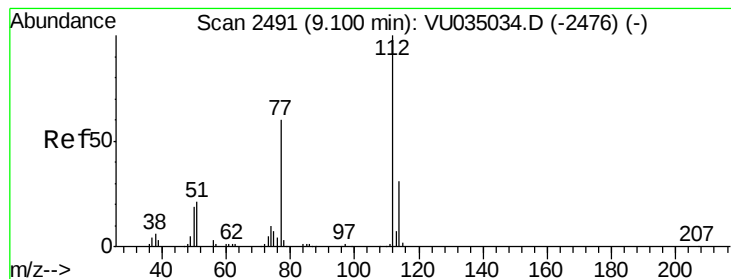


Abundance Ion 106.95 (106.65 to 107.65): V

Ion 109.00 (108.70 to 109.70): V

Ion 187.90 (187.60 to 188.60): V





#51

Chlorobenzene

Concen: 0.340 ug/L

RT: 9.10 min Scan# 2492

Delta R.T. 0.00 min

Lab File: VU035040.D

Acq: 10 Oct 2019 11:54

Instrument :

MSVOA_U

ClientSampleId :

MDL05

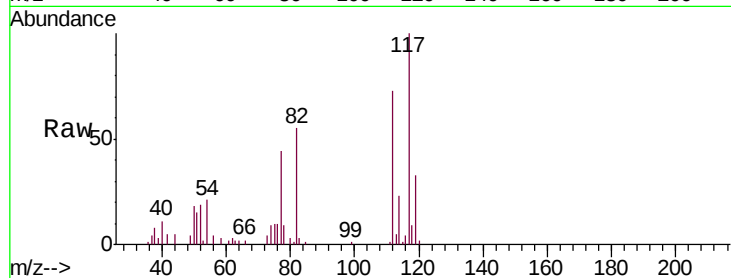
Tgt Ion: 112 Resp: 11387

Ion Ratio Lower Upper

112 100

114 30.7 22.1 41.1

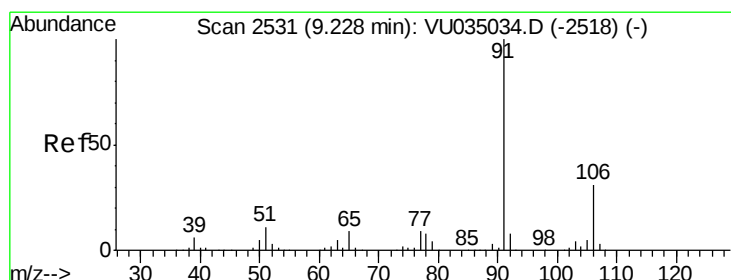
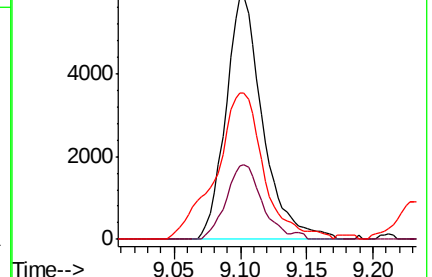
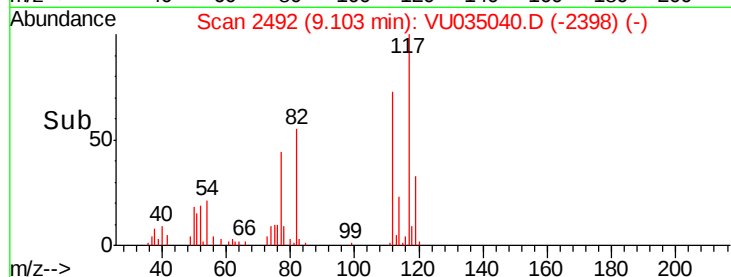
77 60.1 46.9 70.3



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): VU0



#52

Ethylbenzene

Concen: 0.309 ug/L

RT: 9.23 min Scan# 2533

Delta R.T. 0.01 min

Lab File: VU035040.D

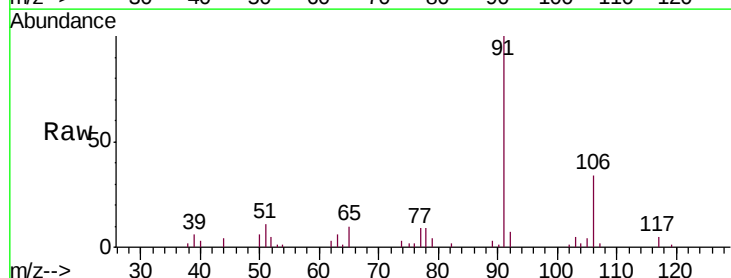
Acq: 10 Oct 2019 11:54

Tgt Ion: 91 Resp: 17633

Ion Ratio Lower Upper

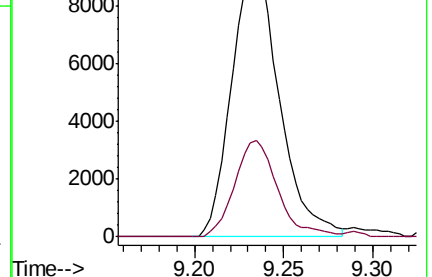
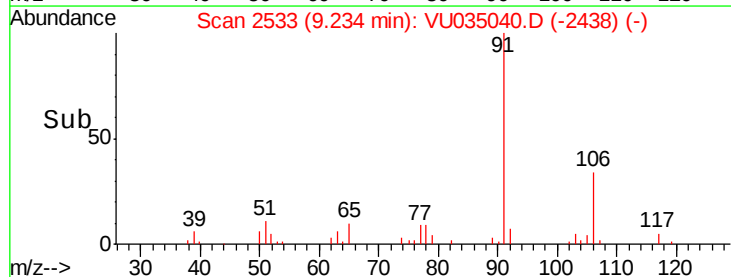
91 100

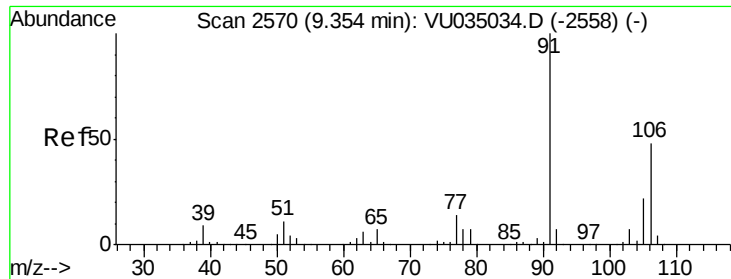
106 34.0 21.6 40.2



Abundance Ion 91.15 (90.85 to 91.85): VU0

Ion 106.15 (105.85 to 106.85): V

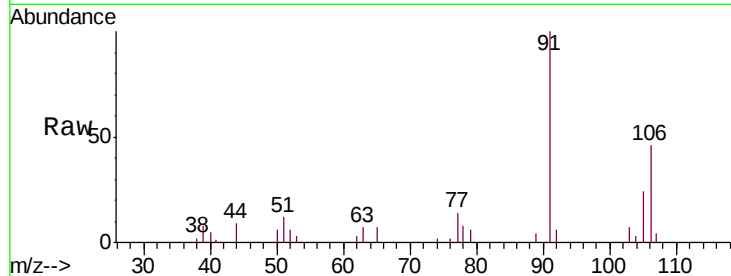




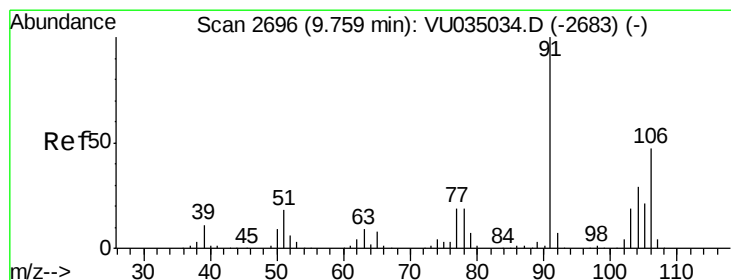
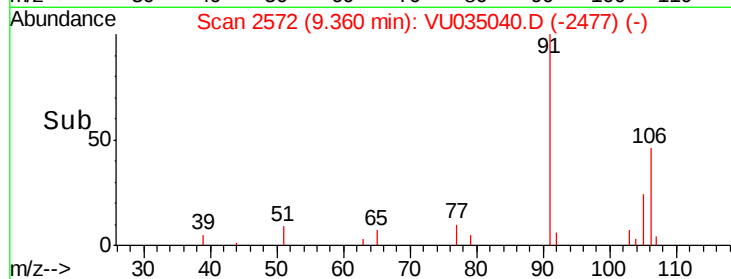
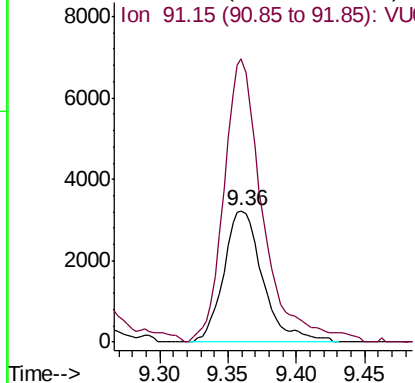
#53
m,p-Xylene
Concen: 0.305 ug/L
RT: 9.36 min Scan# 2572
Delta R.T. 0.01 min
Lab File: VU035040.D
Acq: 10 Oct 2019 11:54

Instrument :
MSVOA_U
ClientSampleId :
MDL05

Tgt Ion:106 Resp: 6425
Ion Ratio Lower Upper
106 100
91 216.0 147.6 274.0

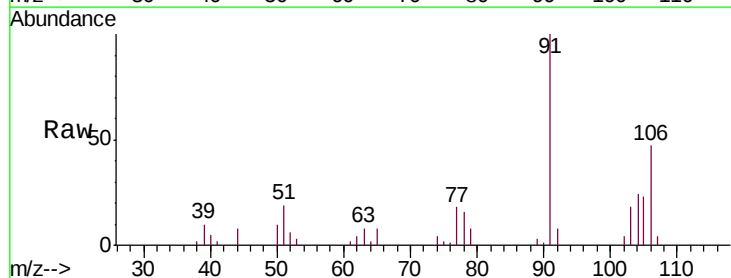


Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VU0

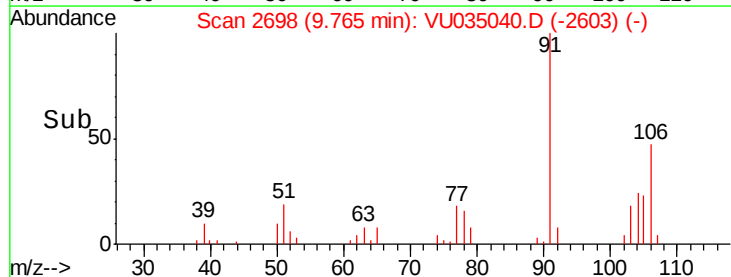
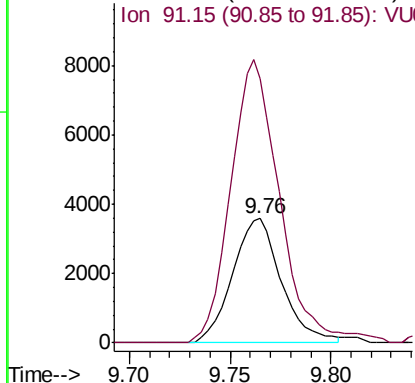


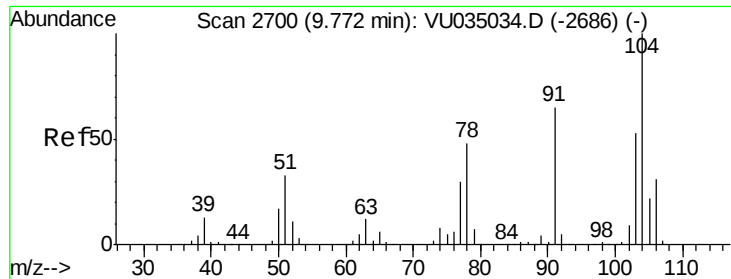
#54
o-Xylene
Concen: 0.295 ug/L
RT: 9.76 min Scan# 2698
Delta R.T. 0.01 min
Lab File: VU035040.D
Acq: 10 Oct 2019 11:54

Tgt Ion:106 Resp: 6072
Ion Ratio Lower Upper
106 100
91 211.9 148.5 275.7



Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VU0





#55

Styrene

Concen: 0.275 ug/L

RT: 9.78 min Scan# 2703

Delta R.T. 0.01 min

Lab File: VU035040.D

Acq: 10 Oct 2019 11:54

Instrument :

MSVOA_U

ClientSampleId :

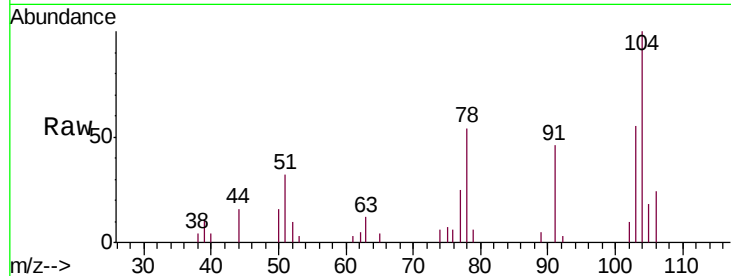
MDL05

Tgt Ion:104 Resp: 9173

Ion Ratio Lower Upper

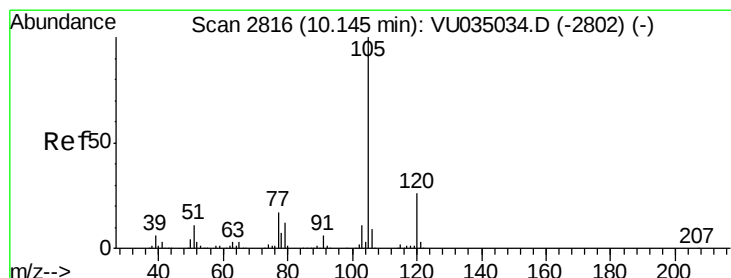
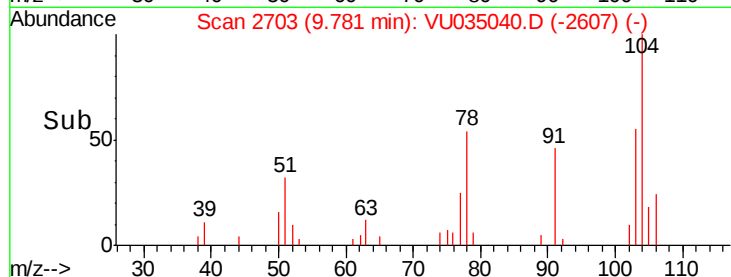
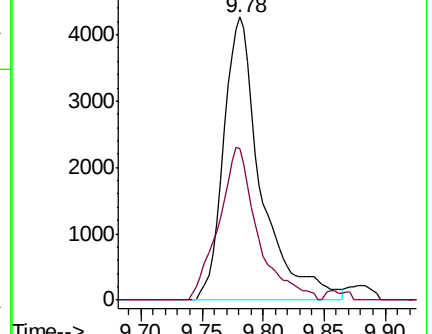
104 100

78 53.6 32.8 60.8



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VU0



#56

Isopropylbenzene

Concen: 0.307 ug/L

RT: 10.15 min Scan# 2817

Delta R.T. 0.00 min

Lab File: VU035040.D

Acq: 10 Oct 2019 11:54

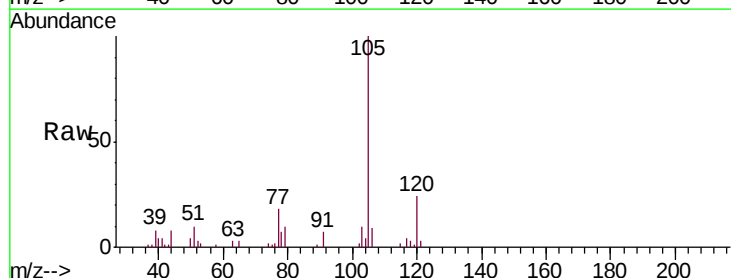
Tgt Ion:105 Resp: 16873

Ion Ratio Lower Upper

105 100

120 23.5 21.3 31.9

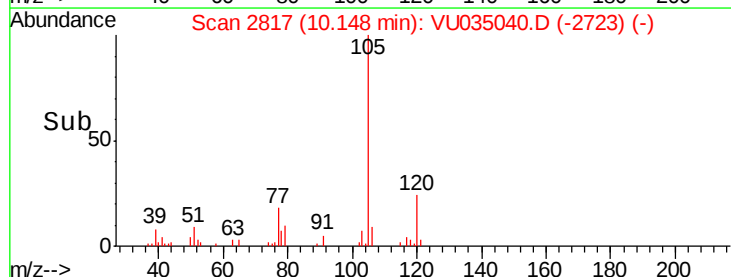
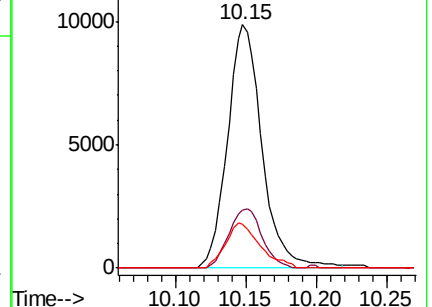
77 18.6 13.0 19.4

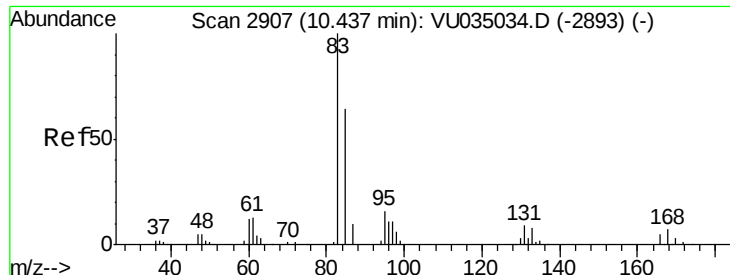


Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.10 (119.80 to 120.80): V

Ion 77.10 (76.80 to 77.80): VU0

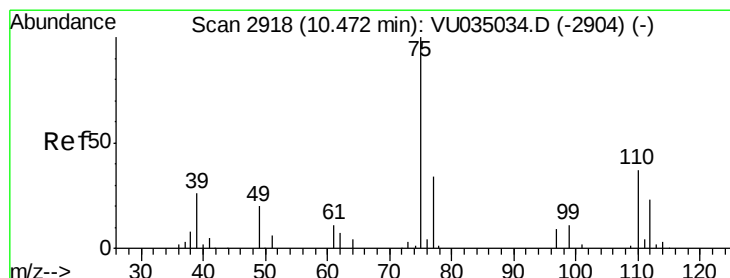
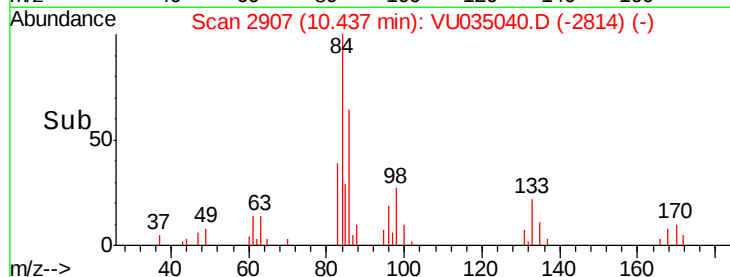
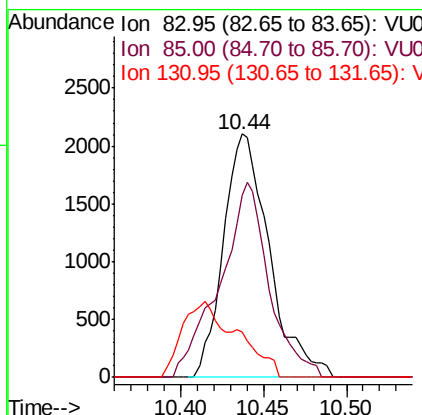
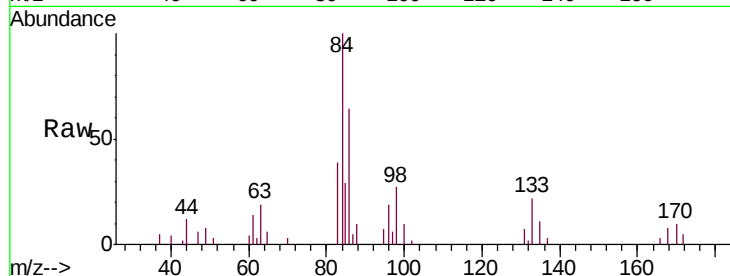




#58
 1,1,2,2-Tetrachloroethane
 Concen: 0.335 ug/L
 RT: 10.44 min Scan# 2907
 Delta R.T. 0.00 min
 Lab File: VU035040.D
 Acq: 10 Oct 2019 11:54

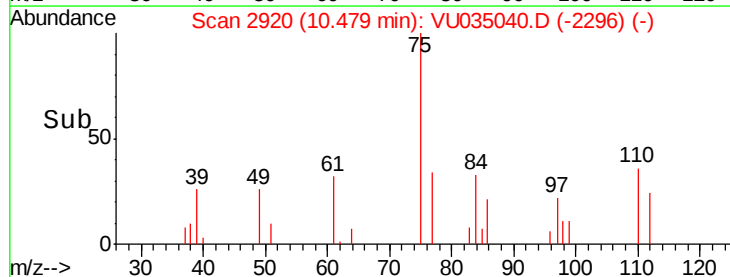
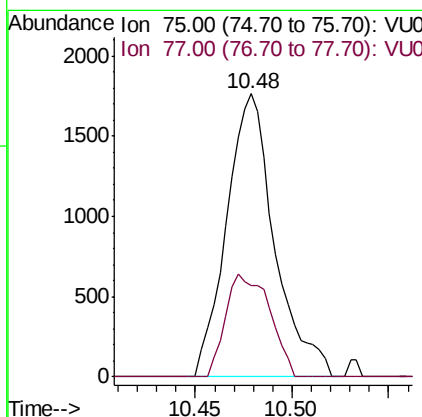
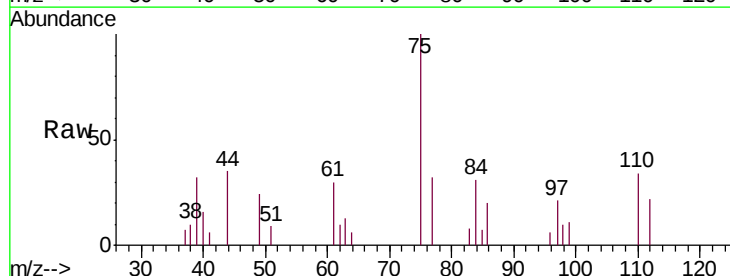
Instrument :
 MSVOA_U
 ClientSampled :
 MDL05

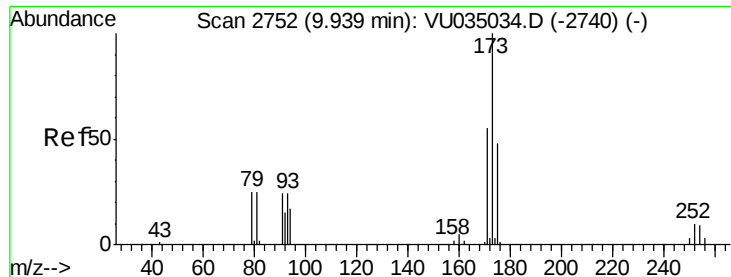
Tgt Ion: 83 Resp: 4032
 Ion Ratio Lower Upper
 83 100
 85 74.8 44.6 82.8
 131 18.6 7.4 11.2#



#59
 1,2,3-Trichloropropane
 Concen: 0.352 ug/L
 RT: 10.48 min Scan# 2920
 Delta R.T. 0.01 min
 Lab File: VU035040.D
 Acq: 10 Oct 2019 11:54

Tgt Ion: 75 Resp: 3042
 Ion Ratio Lower Upper
 75 100
 77 33.3 26.5 39.7

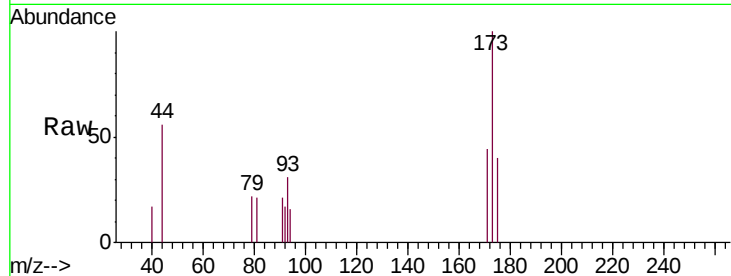




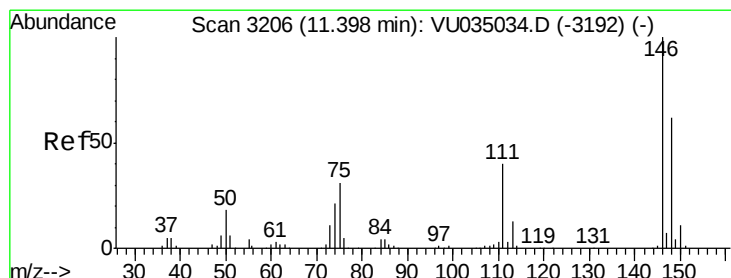
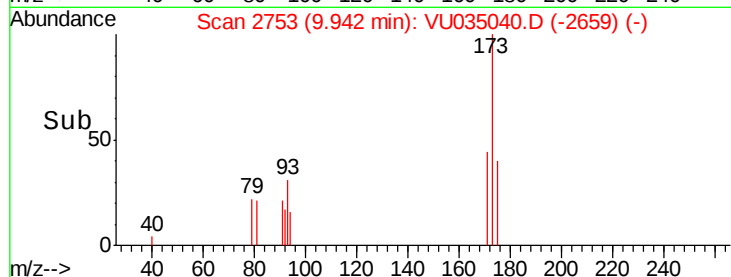
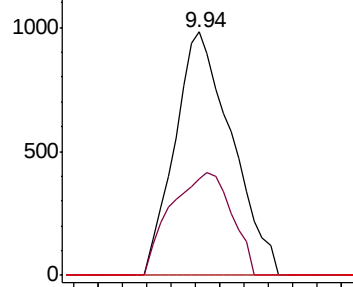
#61
Bromoform
Concen: 0.330 ug/L
RT: 9.94 min Scan# 2753
Delta R.T. 0.00 min
Lab File: VU035040.D
Acq: 10 Oct 2019 11:54

Instrument :
MSVOA_U
ClientSampleId :
MDL05

Tgt Ion:173 Resp: 1588
Ion Ratio Lower Upper
173 100
175 45.3 37.2 55.8
254 0.0 6.6 9.8#

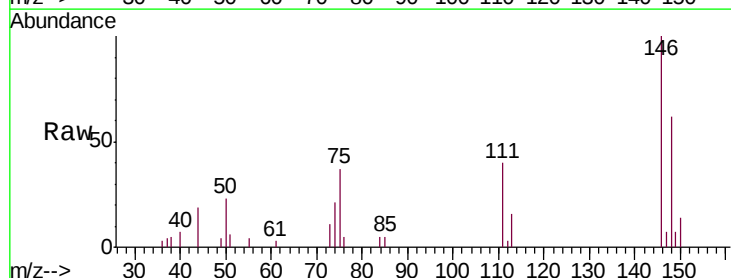


Abundance Ion 172.90 (172.60 to 173.60): V
Ion 174.90 (174.60 to 175.60): V
Ion 253.75 (253.45 to 254.45): V

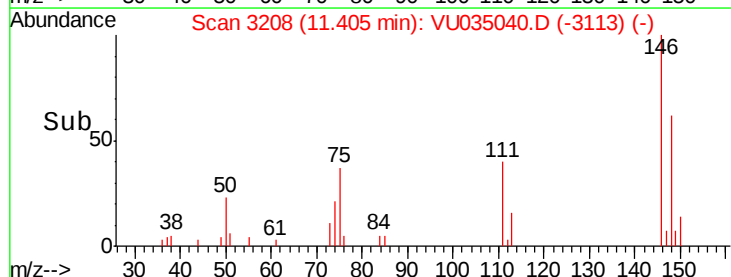
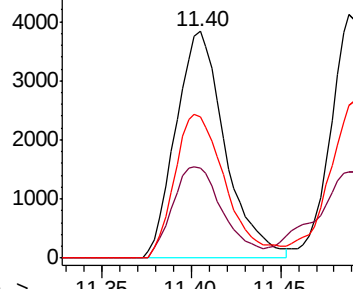


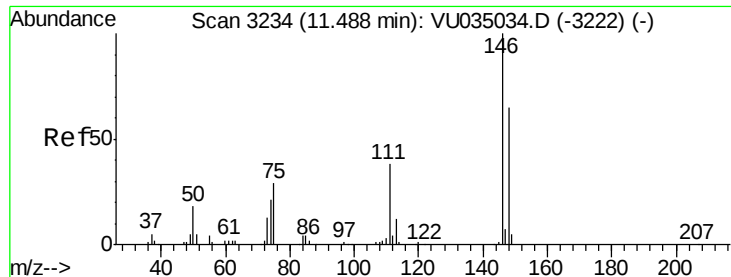
#62
1,3-Dichlorobenzene
Concen: 0.341 ug/L
RT: 11.40 min Scan# 3208
Delta R.T. 0.01 min
Lab File: VU035040.D
Acq: 10 Oct 2019 11:54

Tgt Ion:146 Resp: 7380
Ion Ratio Lower Upper
146 100
111 39.8 28.6 53.2
148 62.4 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

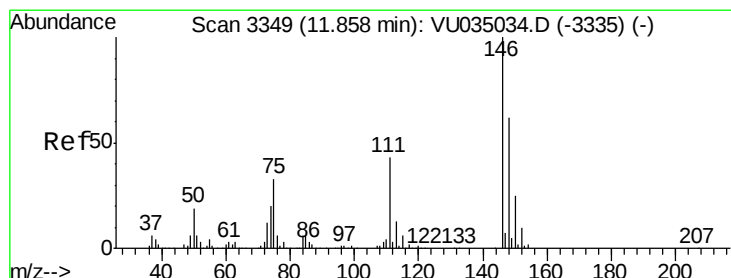
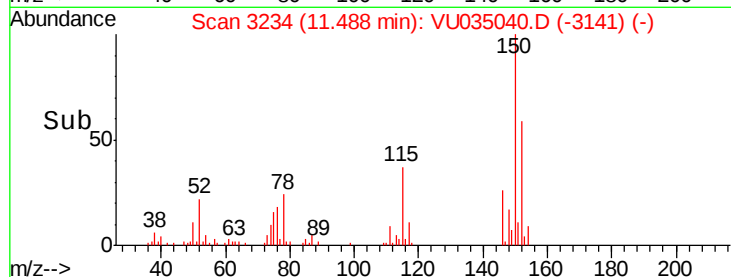
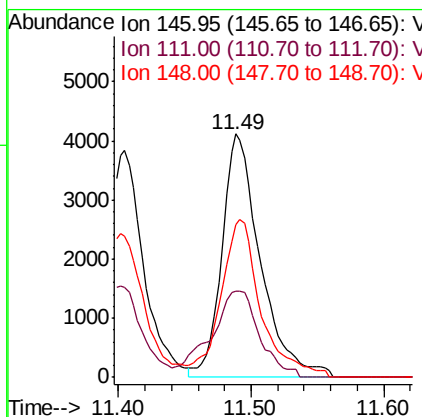
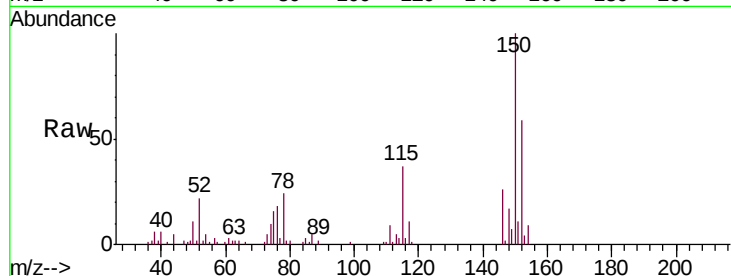




#63
 1,4-Dichlorobenzene
 Concen: 0.379 ug/L
 RT: 11.49 min Scan# 3234
 Delta R.T. 0.00 min
 Lab File: VU035040.D
 Acq: 10 Oct 2019 11:54

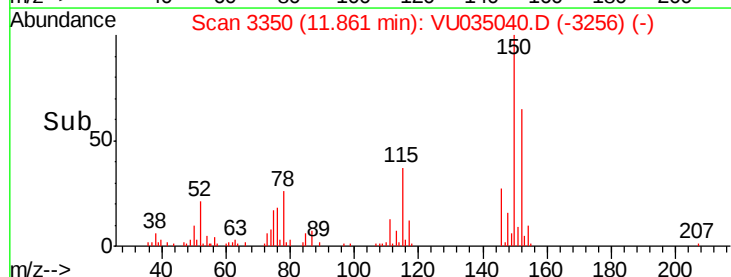
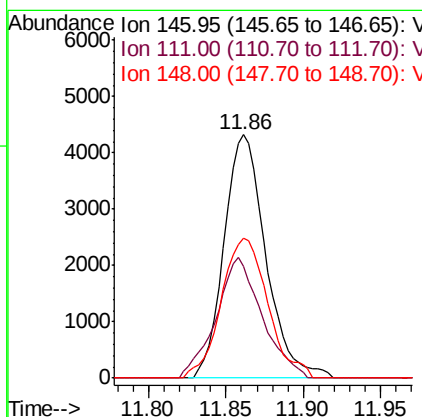
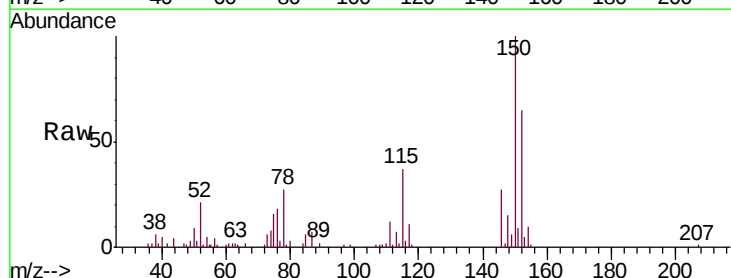
Instrument :
 MSVOA_U
 ClientSampleId :
 MDL05

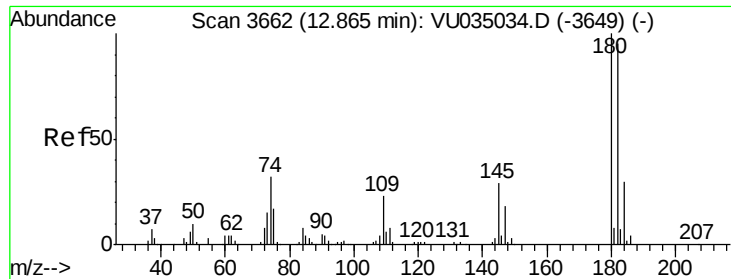
Tgt Ion:146 Resp: 8275
 Ion Ratio Lower Upper
 146 100
 111 35.3 27.9 51.7
 148 62.9 44.1 81.9



#65
 1,2-Dichlorobenzene
 Concen: 0.387 ug/L
 RT: 11.86 min Scan# 3350
 Delta R.T. 0.00 min
 Lab File: VU035040.D
 Acq: 10 Oct 2019 11:54

Tgt Ion:146 Resp: 8082
 Ion Ratio Lower Upper
 146 100
 111 45.8 34.2 51.4
 148 57.5 52.0 78.0

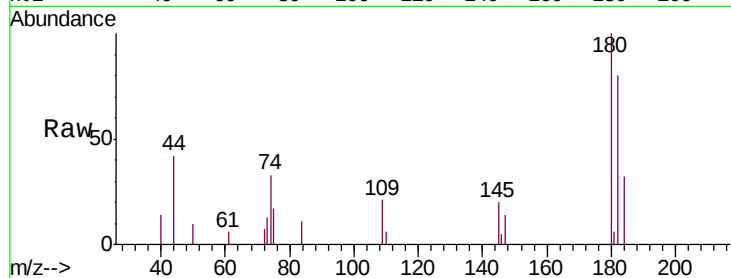




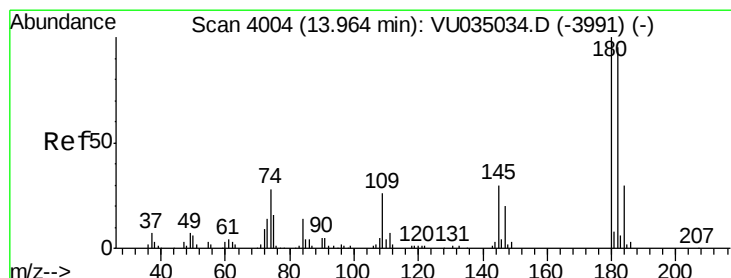
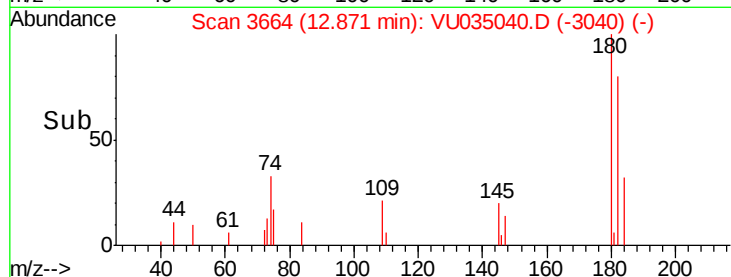
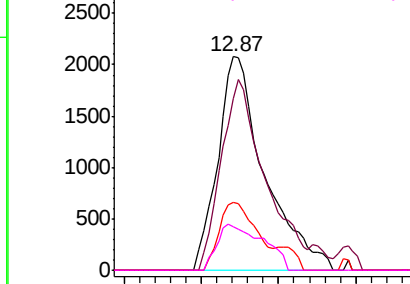
#67
 1,3,5-Trichlorobenzene
 Concen: 0.298 ug/L
 RT: 12.87 min Scan# 3664
 Delta R.T. 0.01 min
 Lab File: VU035040.D
 Acq: 10 Oct 2019 11:54

Instrument :
 MSVOA_U
 ClientSampleId :
 MDL05

Tgt Ion:180 Resp: 4365
 Ion Ratio Lower Upper
 180 100
 182 84.1 76.0 114.0
 184 25.5 24.2 36.2
 145 21.2 24.6 37.0#

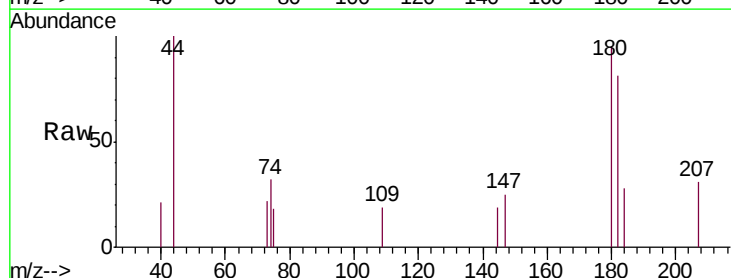


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V



#70
 1,2,3-Trichlorobenzene
 Concen: 0.170 ug/L
 RT: 13.98 min Scan# 4008
 Delta R.T. 0.01 min
 Lab File: VU035040.D
 Acq: 10 Oct 2019 11:54

Tgt Ion:180 Resp: 1810
 Ion Ratio Lower Upper
 180 100
 182 35.8 77.0 115.4#
 145 10.8 25.9 38.9#



Abundance Ion 179.90 (179.60 to 180.60): V
 Ion 181.90 (181.60 to 182.60): V
 Ion 144.95 (144.65 to 145.65): V

