

Data File : VU036573.D
Acq On : 28 Jan 2020 13:14
Operator : JC/MD
Sample : MDL07
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
MDL07

Quant Time: Jan 29 06:26:51 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SFAMUTR012420WMA.M
Quant Title : TRACE VOA SFAM1.0
QLast Update : Wed Jan 29 06:21:17 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.29	114	150552	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.45	117	140401	5.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.83	152	64452	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	33139	4.00	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	80.00%
7) Chloroethane-d5	1.93	69	32928	4.39	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	87.80%
11) 1,1-Dichloroethene-d2	2.59	65	15026	4.40	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	88.00%
20) 2-Butanone-d5	4.69	46	83449	45.75	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	91.50%
24) Chloroform-d	5.11	84	69337	4.43	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	88.60%
26) 1,2-Dichloroethane-d4	5.75	65	38844	4.77	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	95.40%
32) Benzene-d6	5.77	84	154086	4.61	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	92.20%
36) 1,2-Dichloropropane-d6	6.73	67	48351	4.67	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	93.40%
41) Toluene-d8	7.93	98	148307	4.55	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	91.00%
43) trans-1,3-Dichloropropene-	8.21	79	18949	4.61	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	92.20%
46) 2-Hexanone-d5	8.67	63	100468	52.57	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	105.14%
56) 1,1,2,2-Tetrachloroethane-	10.78	84	41433	4.95	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	99.00%
66) 1,2-Dichlorobenzene-d4	12.21	152	54665	4.88	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	97.60%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.39	85	2635	0.239 ug/L	91
3) Chloromethane	1.54	50	2957	0.254 ug/L	96
5) Vinyl chloride	1.62	62	2820	0.223 ug/L #	71
6) Bromomethane	1.87	94	1754	0.239 ug/L	85
8) Chloroethane	1.95	64	1823	0.233 ug/L	99
9) Trichlorofluoromethane	2.16	101	3266	0.222 ug/L	95
10) 1,1,2-Trichloro-1,2,2-trif	2.60	101	2407	0.265 ug/L #	91
12) 1,1-Dichloroethene	2.61	96	2490	0.277 ug/L #	1
13) Acetone	2.67	43	4883	3.591 ug/L	97
14) Carbon disulfide	2.82	76	6537	0.231 ug/L #	93
15) Methyl Acetate	3.00	43	799	0.230 ug/L #	46
16) Methylene chloride	3.08	84	7027	0.574 ug/L	98
17) Methyl tert-butyl Ether	3.41	73	5361	0.237 ug/L	99
18) trans-1,2-Dichloroethene	3.39	96	2304	0.238 ug/L	86
19) 1,1-Dichloroethane	3.91	63	3704	0.220 ug/L	96
21) 2-Butanone	4.77	43	5173	2.353 ug/L	95
22) cis-1,2-Dichloroethene	4.72	96	2441	0.226 ug/L	92

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	5.02	128	973	0.214	ug/L	97
25) Chloroform	5.13	83	3955	0.235	ug/L	94
27) 1,2-Dichloroethane	5.84	62	2554	0.242	ug/L	100
29) 1,1,1-Trichloroethane	5.36	97	3292	0.235	ug/L	95
30) Cyclohexane	5.43	56	3700	0.231	ug/L #	91
31) Carbon tetrachloride	5.57	117	2713	0.228	ug/L	95
33) Benzene	5.82	78	9213	0.234	ug/L	100
34) Trichloroethene	6.58	95	2494	0.239	ug/L	83
35) Methylcyclohexane	6.80	83	4355	0.243	ug/L	96
37) 1,2-Dichloropropane	6.83	63	2312	0.236	ug/L #	88
38) Bromodichloromethane	7.14	83	2729	0.228	ug/L	94
39) cis-1,3-Dichloropropene	7.64	75	3605	0.238	ug/L	99
40) 4-Methyl-2-pentanone	7.84	43	13283	2.407	ug/L #	86
42) Toluene	8.00	91	11421	0.262	ug/L	96
44) trans-1,3-Dichloropropene	8.24	75	3454	0.297	ug/L	92
45) 1,1,2-Trichloroethane	8.43	97	1702	0.234	ug/L	96
47) Tetrachloroethene	8.58	164	2148	0.252	ug/L	88
48) 2-Hexanone	8.72	43	11847	3.112	ug/L	98
49) Dibromochloromethane	8.84	129	1846	0.222	ug/L	91
50) 1,2-Dibromoethane	8.95	107	1604	0.227	ug/L #	91
51) Chlorobenzene	9.47	112	6686	0.239	ug/L	95
52) Ethylbenzene	9.59	91	11351	0.239	ug/L	99
53) m,p-Xylene	9.72	106	4747	0.258	ug/L	91
54) o-Xylene	10.13	106	4322	0.240	ug/L	96
55) Styrene	10.14	104	6788	0.229	ug/L	97
57) 1,1,2,2-Tetrachloroethane	10.81	83	2037	0.224	ug/L #	89
59) Bromoform	10.32	173	1119	0.258	ug/L #	77
60) Isopropylbenzene	10.51	105	10852	0.249	ug/L	99
61) 1,2,3-Trichloropropane	10.85	75	1423	0.237	ug/L	97
62) 1,3,5-Trimethylbenzene	11.11	105	9167	0.246	ug/L	99
63) 1,2,4-Trimethylbenzene	11.49	105	8527	0.230	ug/L	98
64) 1,3-Dichlorobenzene	11.77	146	5043	0.248	ug/L	98
65) 1,4-Dichlorobenzene	11.86	146	4958	0.244	ug/L	97
67) 1,2-Dichlorobenzene	12.23	146	5097	0.263	ug/L	95
68) 1,2-Dibromo-3-chloropropan	13.02	75	297	0.234	ug/L	83
69) 1,3,5-Trichlorobenzene	13.24	180	3131	0.201	ug/L	98
70) 1,2,4-trichlorobenzene	13.86	180	1442	0.127	ug/L	95
71) Naphthalene	14.10	128	1399	0.086	ug/L #	87
72) 1,2,3-Trichlorobenzene	14.35	180	1498	0.146	ug/L #	84

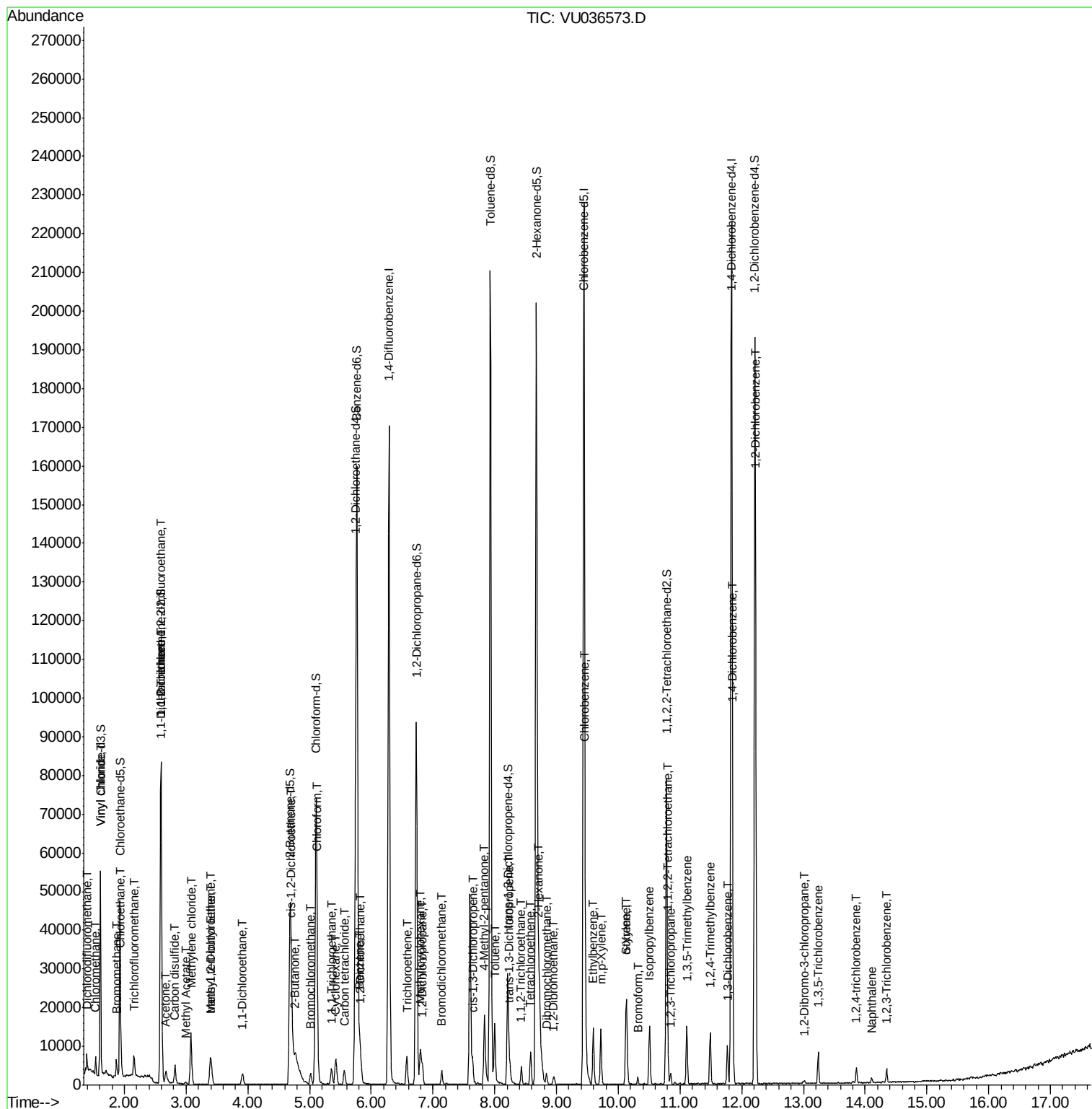
(#) = qualifier out of range (m) = manual integration (+) = signals summed

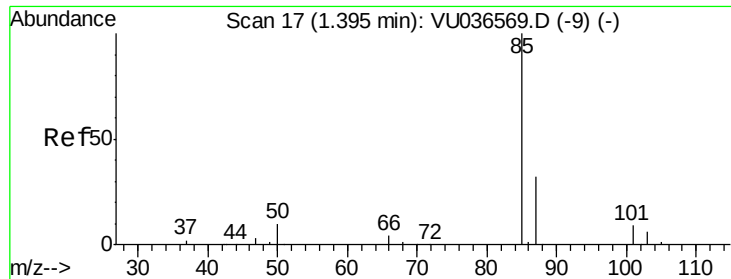
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#2

Dichlorodifluoromethane

Concen: 0.239 ug/L

RT: 1.39 min Scan# 17

Delta R.T. 0.00 min

Lab File: VU036573.D

Acq: 28 Jan 2020 13:14

Instrument :

MSVOA_U

ClientSampleId :

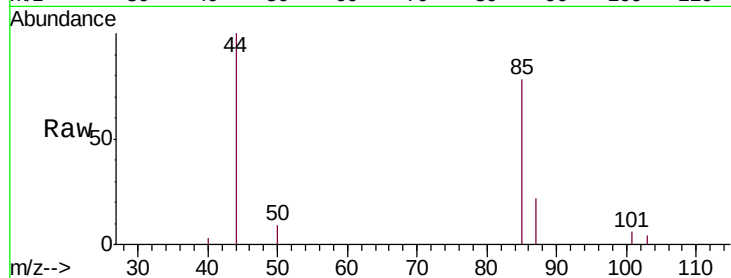
MDL07

Tgt Ion: 85 Resp: 2635

Ion Ratio Lower Upper

85 100

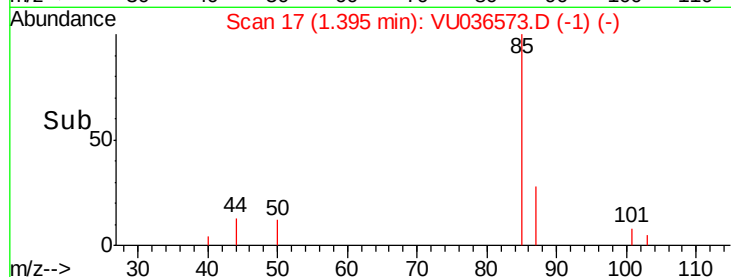
87 27.4 26.0 39.0



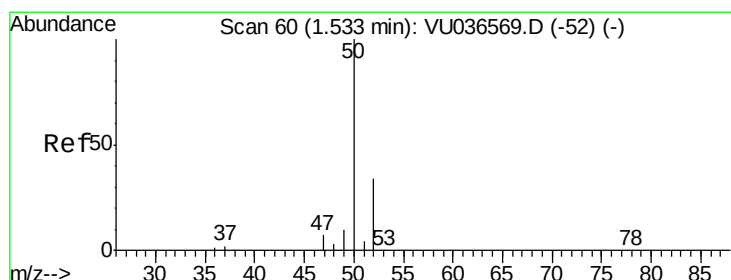
Abundance Ion 85.00 (84.70 to 85.70): VU036569.D (-9) (-)

Ion 87.00 (86.70 to 87.70): VU036569.D (-9) (-)

Time-->



Time-->



#3

Chloromethane

Concen: 0.254 ug/L

RT: 1.54 min Scan# 61

Delta R.T. 0.00 min

Lab File: VU036573.D

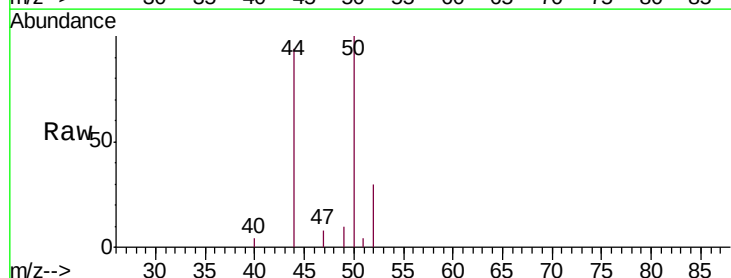
Acq: 28 Jan 2020 13:14

Tgt Ion: 50 Resp: 2957

Ion Ratio Lower Upper

50 100

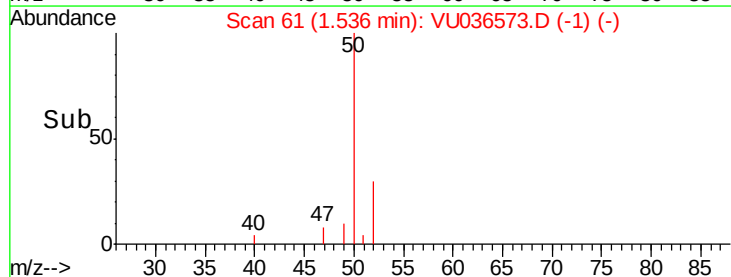
52 30.5 22.7 42.3



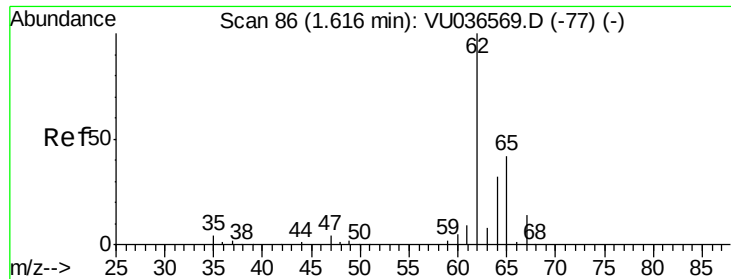
Abundance Ion 50.05 (49.75 to 50.75): VU036569.D (-52) (-)

Ion 52.05 (51.75 to 52.75): VU036569.D (-52) (-)

Time-->



Time-->



#5

Vinyl chloride

Concen: 0.223 ug/L

RT: 1.62 min Scan# 86

Delta R.T. 0.00 min

Lab File: VU036573.D

Acq: 28 Jan 2020 13:14

Instrument :

MSVOA_U

ClientSampled :

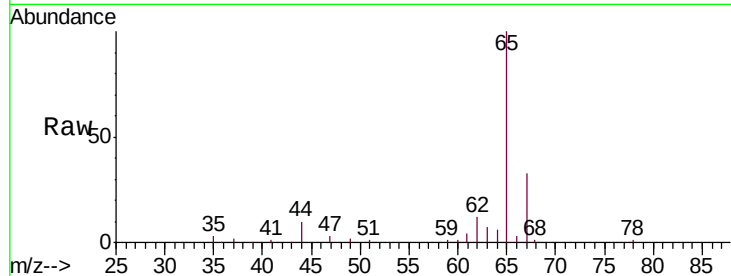
MDL07

Tgt Ion: 62 Resp: 2820

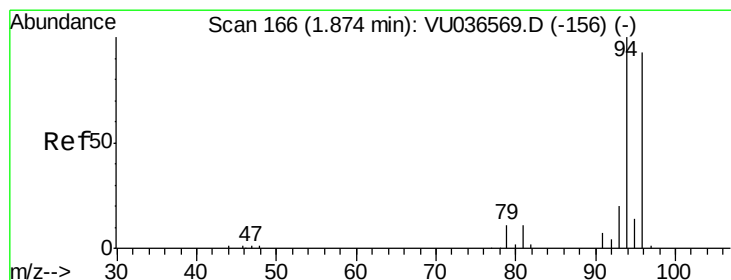
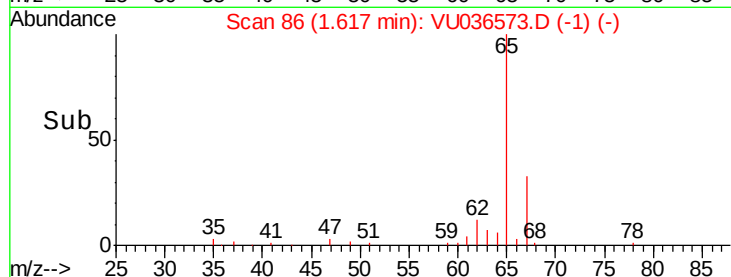
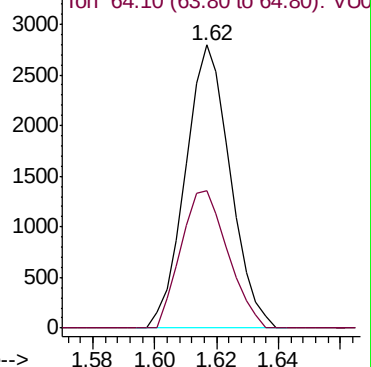
Ion Ratio Lower Upper

62 100

64 48.7 22.6 42.0#



Abundance Ion 62.00 (61.70 to 62.70): VU036569.D (-77) (-)



#6

Bromomethane

Concen: 0.239 ug/L

RT: 1.87 min Scan# 166

Delta R.T. 0.00 min

Lab File: VU036573.D

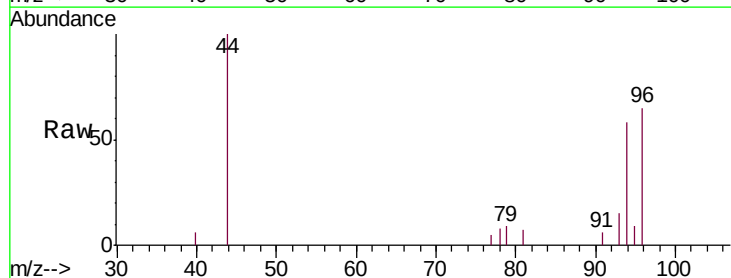
Acq: 28 Jan 2020 13:14

Tgt Ion: 94 Resp: 1754

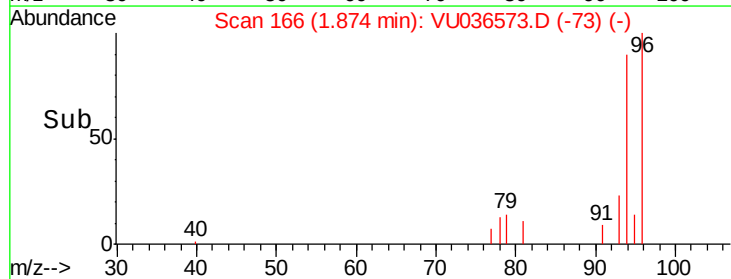
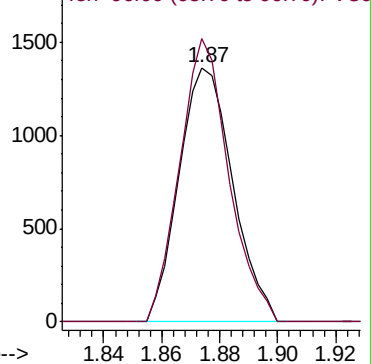
Ion Ratio Lower Upper

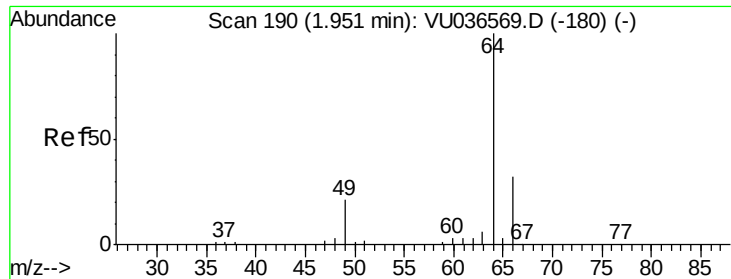
94 100

96 111.5 67.6 125.6



Abundance Ion 94.00 (93.70 to 94.70): VU036569.D (-156) (-)





#8

Chloroethane

Concen: 0.233 ug/L

RT: 1.95 min Scan# 190

Delta R.T. 0.00 min

Lab File: VU036573.D

Acq: 28 Jan 2020 13:14

Instrument :

MSVOA_U

ClientSampleId :

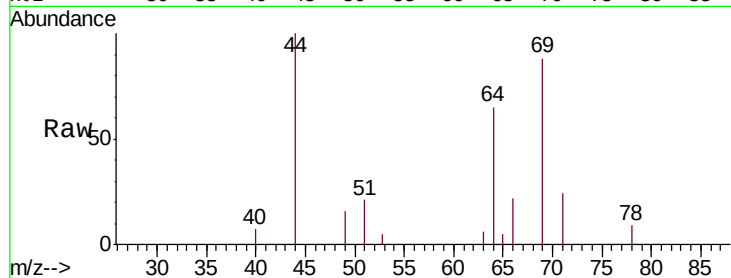
MDL07

Tgt Ion: 64 Resp: 1823

Ion Ratio Lower Upper

64 100

66 34.1 24.1 44.8



Abundance Ion 64.10 (63.80 to 64.80): VU036569.D (-180) (-)

Ion 66.05 (65.75 to 66.75): VU036569.D (-180) (-)

1.95

1500

1000

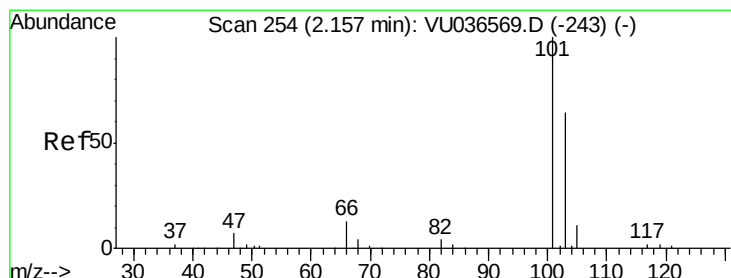
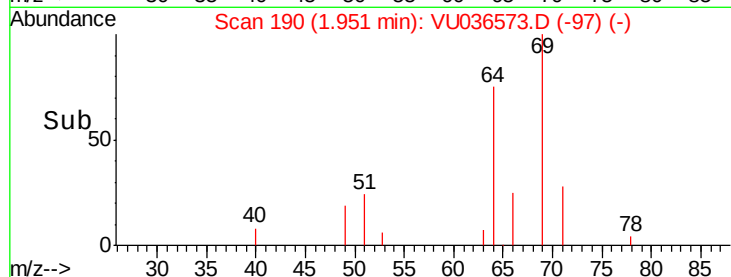
500

0

1.95

2.00

Time-->



#9

Trichlorofluoromethane

Concen: 0.222 ug/L

RT: 2.16 min Scan# 254

Delta R.T. 0.00 min

Lab File: VU036573.D

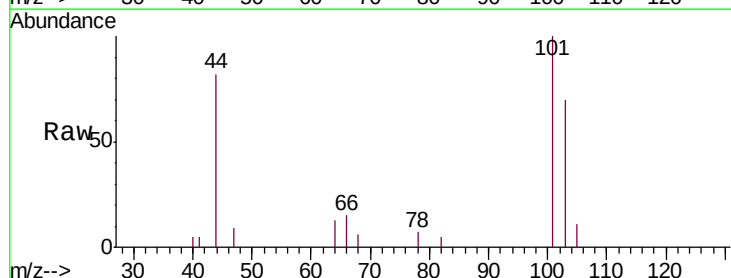
Acq: 28 Jan 2020 13:14

Tgt Ion: 101 Resp: 3266

Ion Ratio Lower Upper

101 100

103 69.9 52.5 78.7



Abundance Ion 101.00 (100.70 to 101.70): VU036569.D (-243) (-)

Ion 103.00 (102.70 to 103.70): VU036569.D (-243) (-)

2.16

2500

2000

1500

1000

500

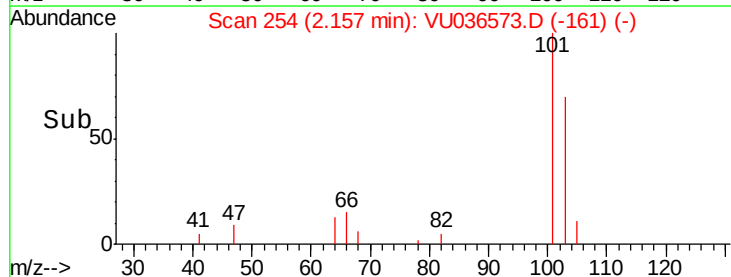
0

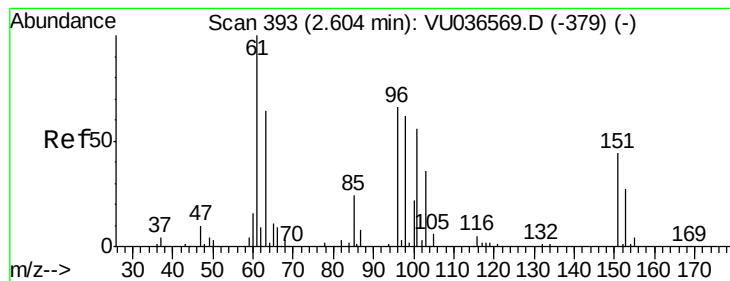
2.10

2.15

2.20

Time-->





#10

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

Concen: 0.265 ug/L

RT: 2.60 min Scan# 393

Delta R.T. 0.00 min

Lab File: VU036573.D

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Instrument :

MSVOA_U

ClientSampleId :

MDL07

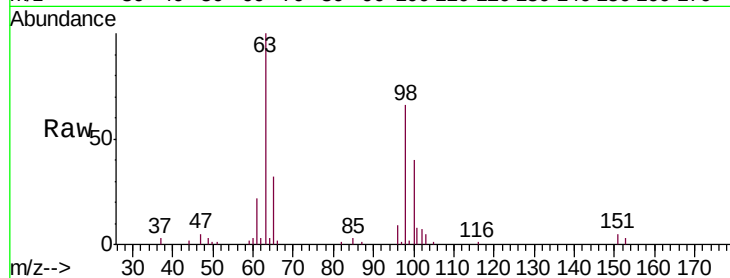
Tgt Ion:101 Resp: 2407

Ion Ratio Lower Upper

101 100

85 31.2 32.2 48.4#

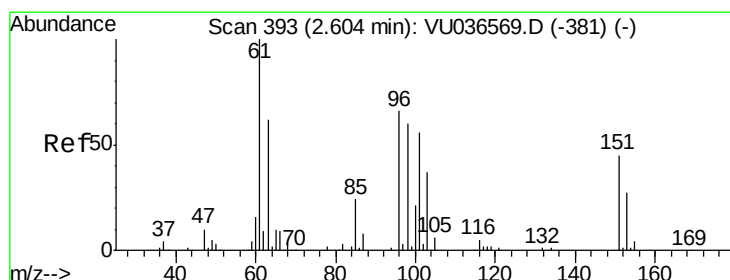
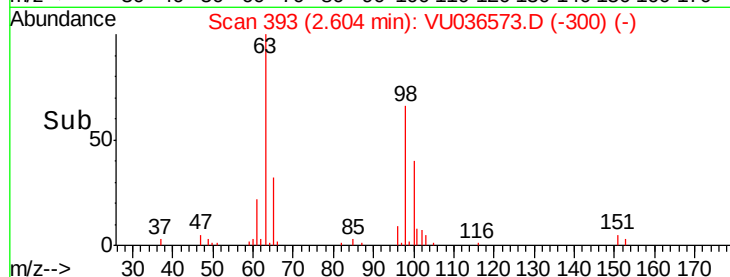
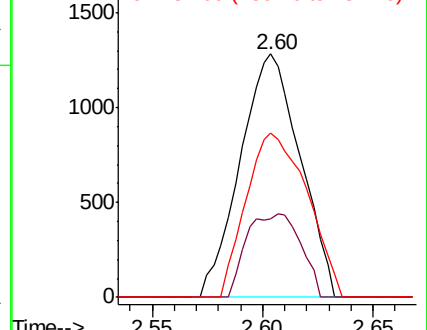
151 69.1 59.2 88.8



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: 0.277 ug/L

RT: 2.61 min Scan# 394

Delta R.T. 0.00 min

Lab File: VU036573.D

Acq: 28 Jan 2020 13:14

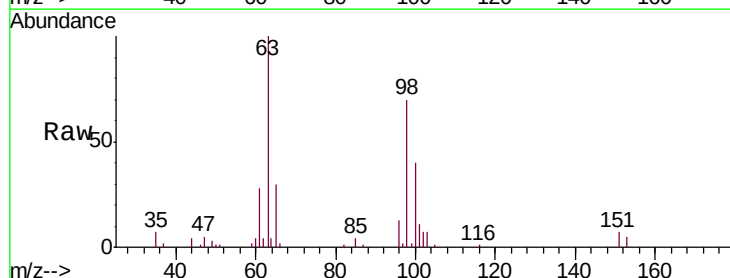
Tgt Ion: 96 Resp: 2490

Ion Ratio Lower Upper

96 100

61 222.8 108.2 201.0#

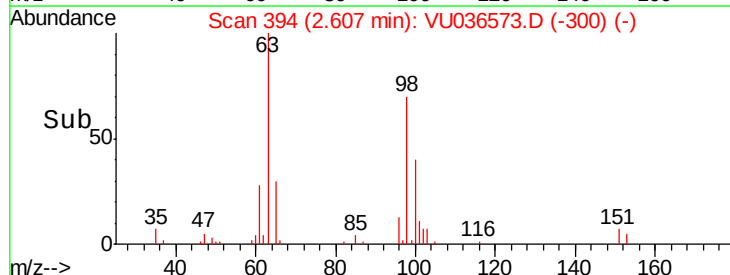
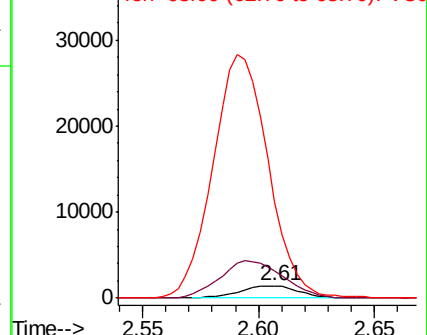
63 789.8 72.0 133.8#

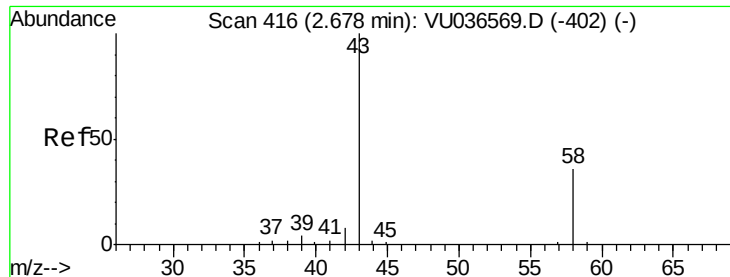


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 3.591 ug/L

RT: 2.67 min Scan# 415

Delta R.T. -0.00 min

Lab File: VU036573.D

Acq: 28 Jan 2020 13:14

Instrument :

MSVOA_U

ClientSampled :

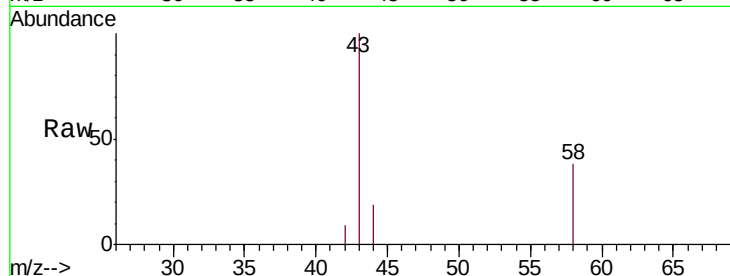
MDL07

Tgt Ion: 43 Resp: 4883

Ion Ratio Lower Upper

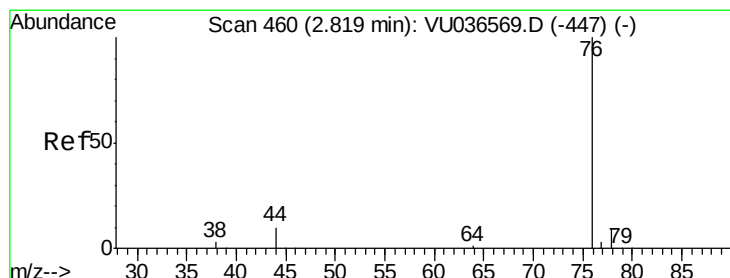
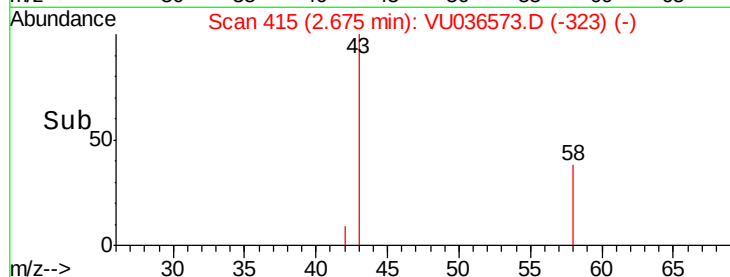
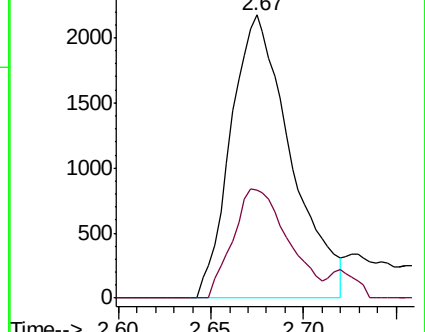
43 100

58 35.5 0.0 74.0



Abundance Ion 43.05 (42.75 to 43.75): VU036569.D (-402) (-)

Ion 58.05 (57.75 to 58.75): VU036569.D (-402) (-)



#14

Carbon disulfide

Concen: 0.231 ug/L

RT: 2.82 min Scan# 460

Delta R.T. 0.00 min

Lab File: VU036573.D

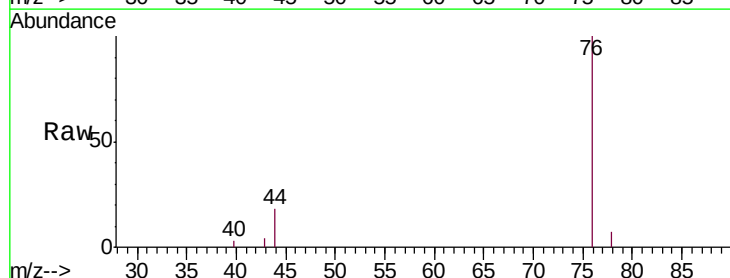
Acq: 28 Jan 2020 13:14

Tgt Ion: 76 Resp: 6537

Ion Ratio Lower Upper

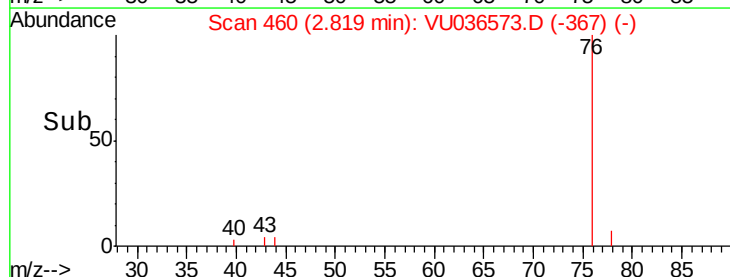
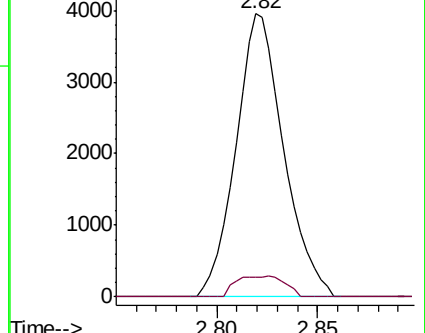
76 100

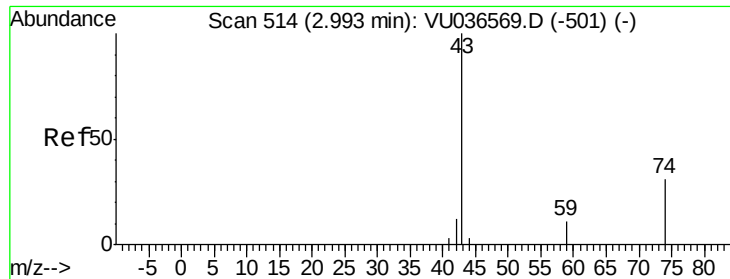
78 6.9 7.5 11.3#



Abundance Ion 76.05 (75.75 to 76.75): VU036569.D (-447) (-)

Ion 78.00 (77.70 to 78.70): VU036569.D (-447) (-)

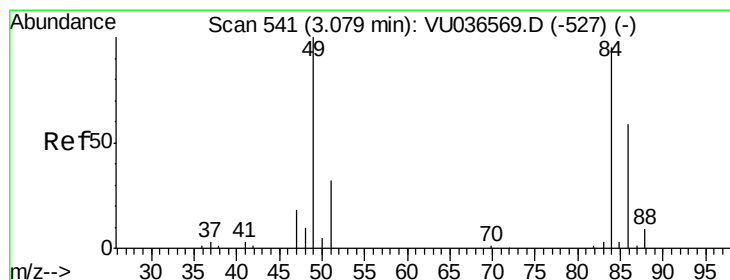
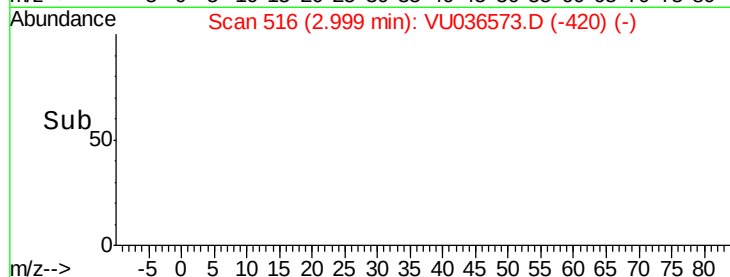
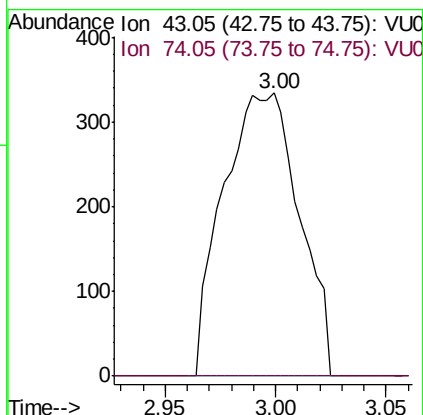
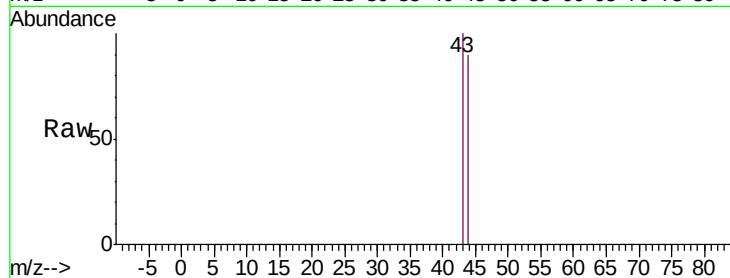




#15
Methyl Acetate
Concen: 0.230 ug/L
RT: 3.00 min Scan# 516
Delta R.T. 0.01 min
Lab File: VU036573.D
Acq: 28 Jan 2020 13:14

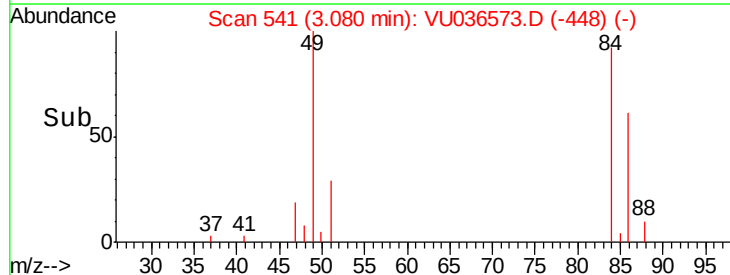
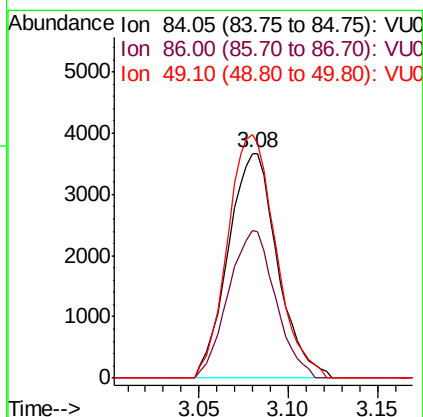
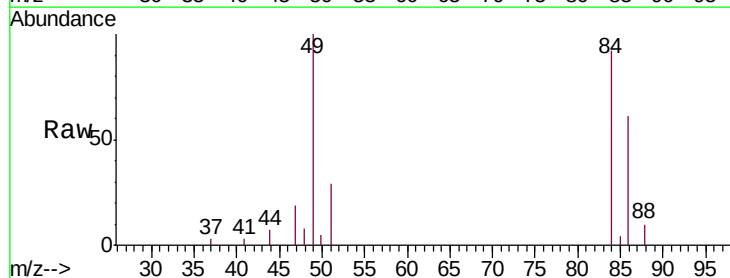
Instrument :
MSVOA_U
ClientSampleId :
MDL07

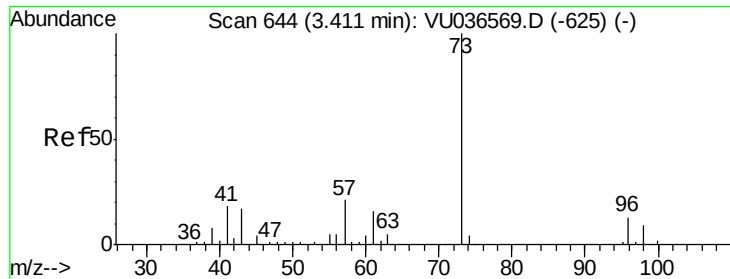
Tgt Ion: 43 Resp: 799
Ion Ratio Lower Upper
43 100
74 0.0 22.7 34.1#



#16
Methylene chloride
Concen: 0.574 ug/L
RT: 3.08 min Scan# 541
Delta R.T. 0.00 min
Lab File: VU036573.D
Acq: 28 Jan 2020 13:14

Tgt Ion: 84 Resp: 7027
Ion Ratio Lower Upper
84 100
86 65.8 44.8 83.2
49 108.3 74.8 139.0



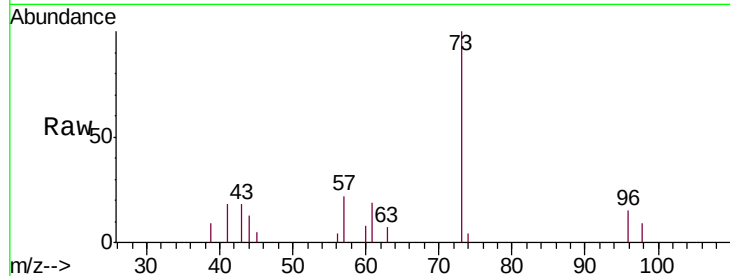


#17

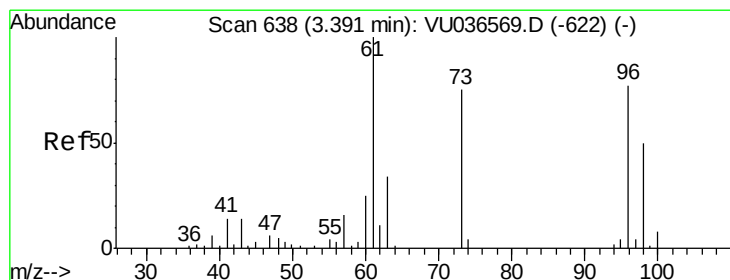
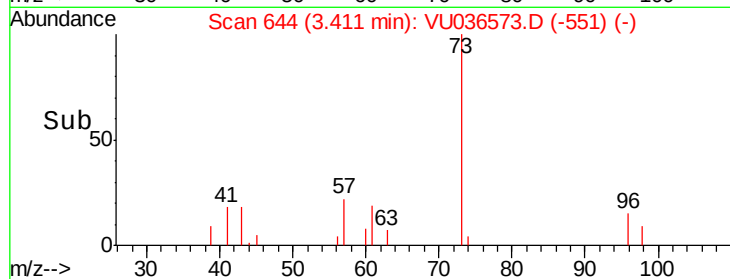
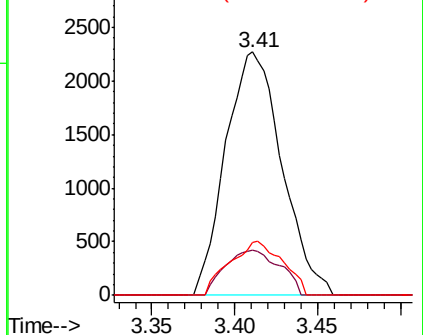
Methyl tert-butyl Ether
 Concen: 0.237 ug/L
 RT: 3.41 min Scan# 644
 Delta R.T. 0.00 min
 Lab File: VU036573.D
 Acq: 28 Jan 2020 13:14

Instrument :
 MSVOA_U
 ClientSampleId :
 MDL07

Tgt Ion: 73 Resp: 5361
 Ion Ratio Lower Upper
 73 100
 43 18.0 14.6 21.8
 57 20.9 17.0 25.6



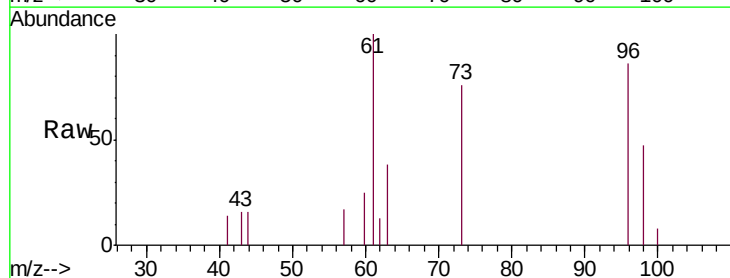
Abundance Ion 73.10 (72.80 to 73.80): VU0
 Ion 43.05 (42.75 to 43.75): VU0
 Ion 57.10 (56.80 to 57.80): VU0



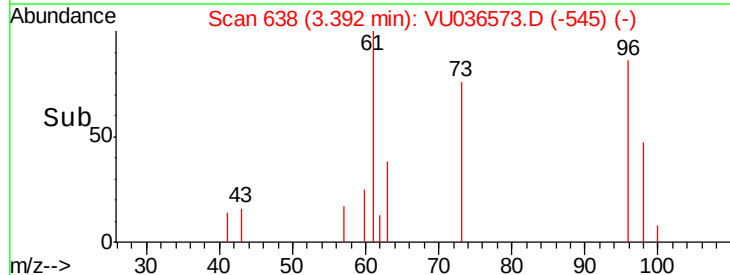
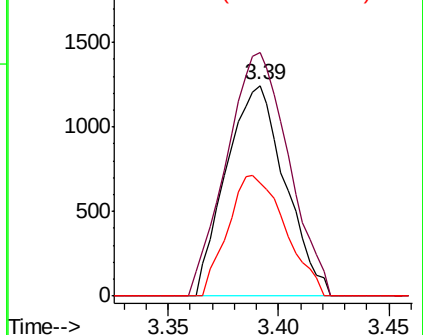
#18

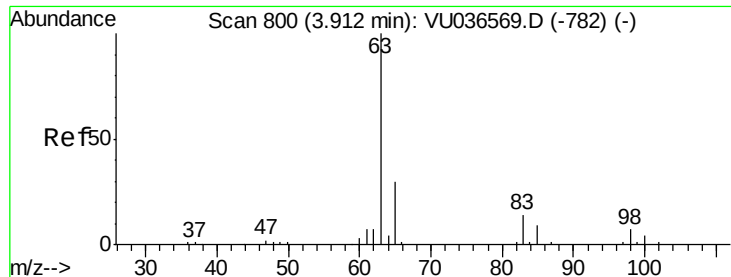
trans-1,2-Dichloroethene
 Concen: 0.238 ug/L
 RT: 3.39 min Scan# 638
 Delta R.T. 0.00 min
 Lab File: VU036573.D
 Acq: 28 Jan 2020 13:14

Tgt Ion: 96 Resp: 2304
 Ion Ratio Lower Upper
 96 100
 61 115.7 93.1 172.9
 98 53.9 45.5 84.5



Abundance Ion 96.00 (95.70 to 96.70): VU0
 Ion 61.05 (60.75 to 61.75): VU0
 Ion 97.95 (97.65 to 98.65): VU0

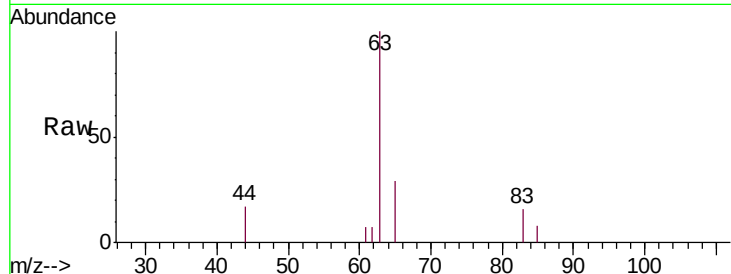




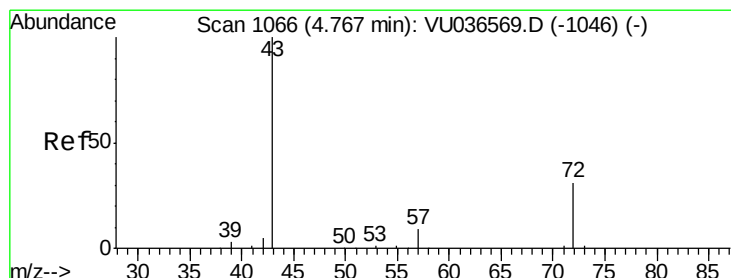
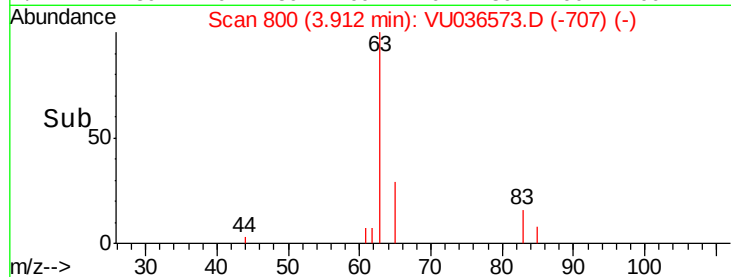
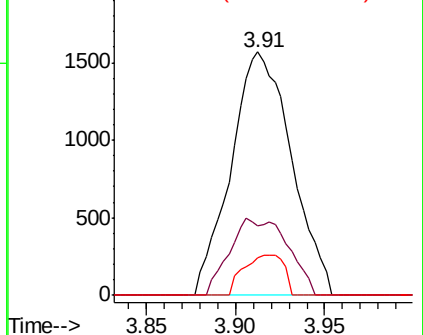
#19
 1,1-Dichloroethane
 Concen: 0.220 ug/L
 RT: 3.91 min Scan# 800
 Delta R.T. 0.00 min
 Lab File: VU036573.D
 Acq: 28 Jan 2020 13:14

Instrument :
 MSVOA_U
 ClientSampleId :
 MDL07

Tgt Ion: 63 Resp: 3704
 Ion Ratio Lower Upper
 63 100
 65 28.7 21.8 40.6
 83 15.6 9.8 18.2

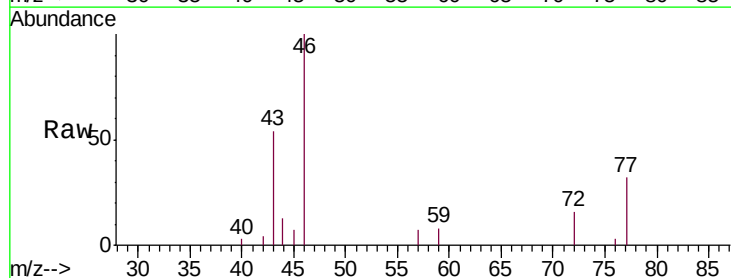


Abundance Ion 63.10 (62.80 to 63.80): VU0
 Ion 65.10 (64.80 to 65.80): VU0
 Ion 83.05 (82.75 to 83.75): VU0

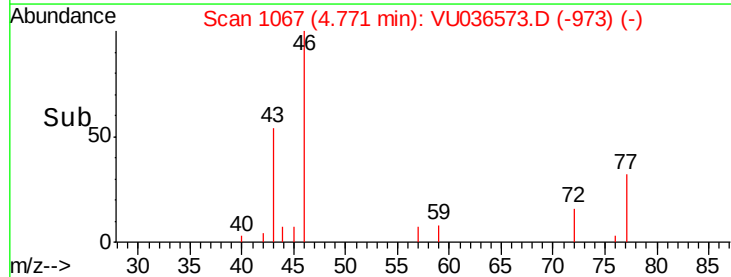
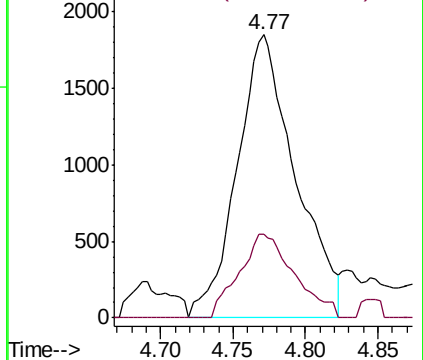


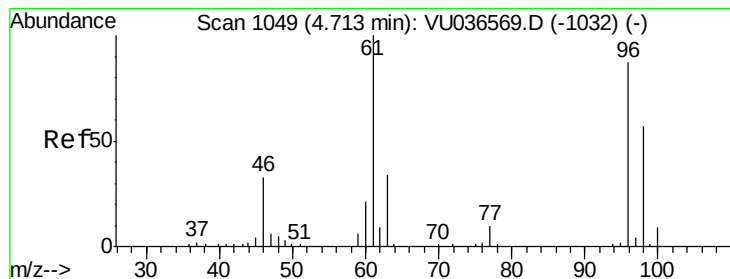
#21
 2-Butanone
 Concen: 2.353 ug/L
 RT: 4.77 min Scan# 1067
 Delta R.T. 0.00 min
 Lab File: VU036573.D
 Acq: 28 Jan 2020 13:14

Tgt Ion: 43 Resp: 5173
 Ion Ratio Lower Upper
 43 100
 72 28.0 15.4 46.4



Abundance Ion 43.05 (42.75 to 43.75): VU0
 Ion 72.10 (71.80 to 72.80): VU0





#22

cis-1,2-Dichloroethene

Concen: 0.226 ug/L

RT: 4.72 min Scan# 1050

Delta R.T. 0.00 min

Lab File: VU036573.D

Acq: 28 Jan 2020 13:14

Instrument :

MSVOA_U

ClientSampled :

MDL07

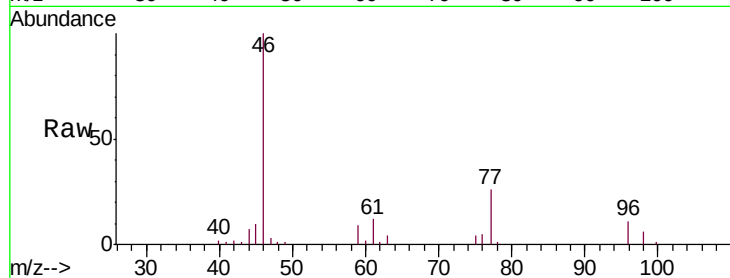
Tgt Ion: 96 Resp: 2441

Ion Ratio Lower Upper

96 100

61 108.9 83.0 154.1

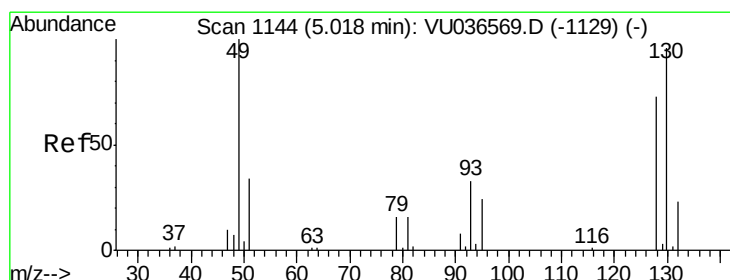
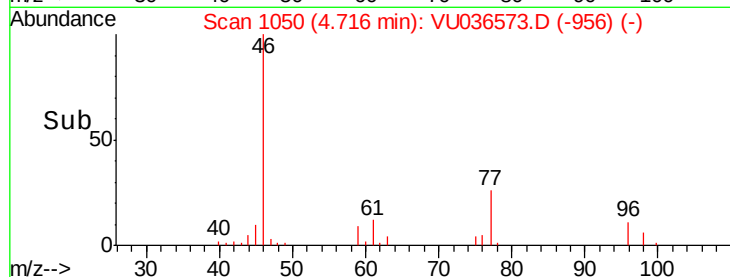
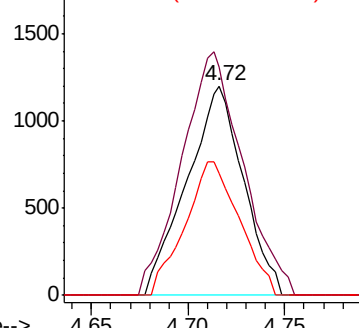
98 58.0 43.8 81.3



Abundance Ion 96.00 (95.70 to 96.70): VU036573.D (-956) (-)

Ion 61.05 (60.75 to 61.75): VU036573.D (-956) (-)

Ion 98.00 (97.70 to 98.70): VU036573.D (-956) (-)



#23

Bromochloromethane

Concen: 0.214 ug/L

RT: 5.02 min Scan# 1144

Delta R.T. 0.00 min

Lab File: VU036573.D

Acq: 28 Jan 2020 13:14

Tgt Ion: 128 Resp: 973

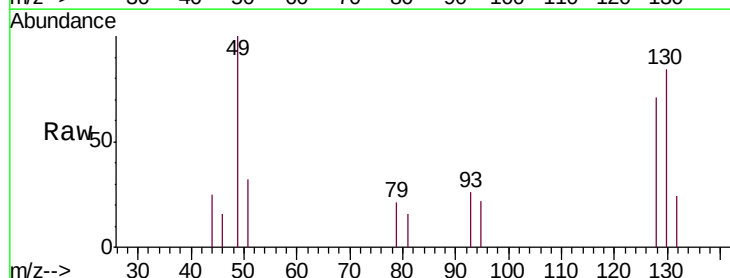
Ion Ratio Lower Upper

128 100

49 141.1 98.6 183.2

130 118.7 89.1 165.5

51 45.4 35.4 53.2

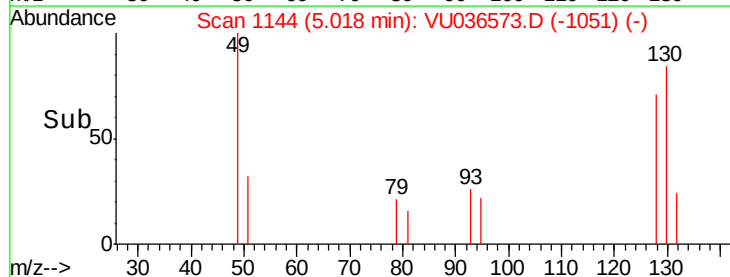
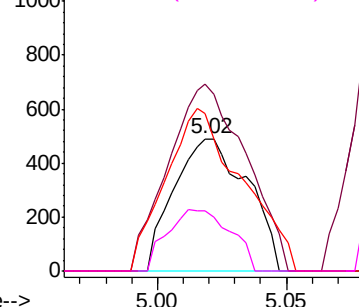


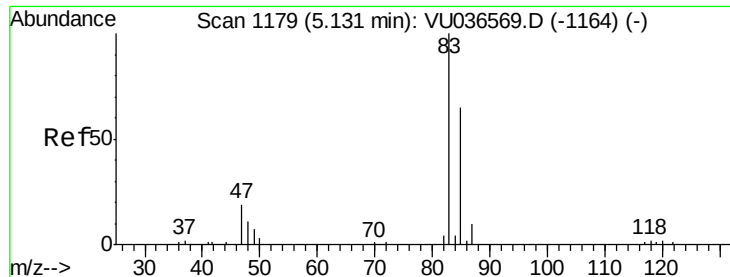
Abundance Ion 127.90 (127.60 to 128.60): VU036573.D (-1051) (-)

Ion 49.10 (48.80 to 49.80): VU036573.D (-1051) (-)

Ion 129.95 (129.65 to 130.65): VU036573.D (-1051) (-)

Ion 51.05 (50.75 to 51.75): VU036573.D (-1051) (-)

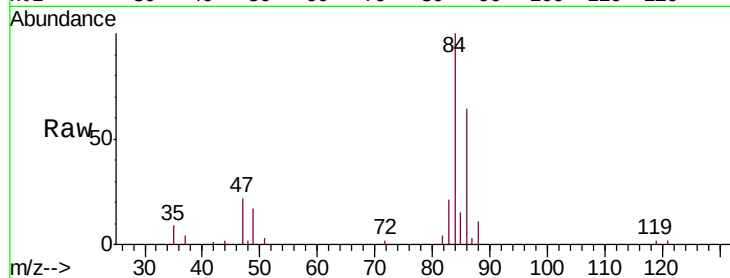




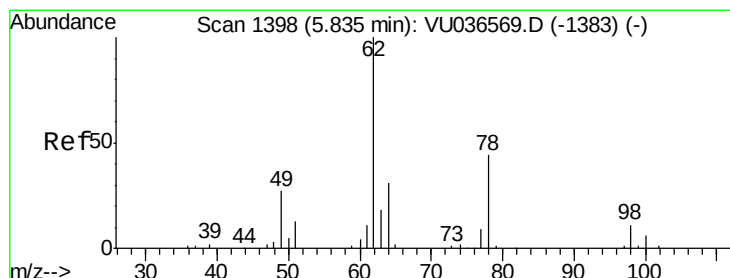
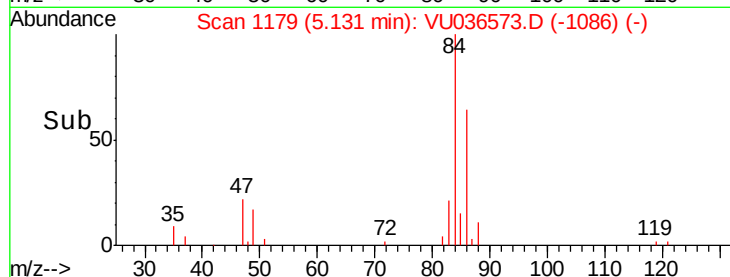
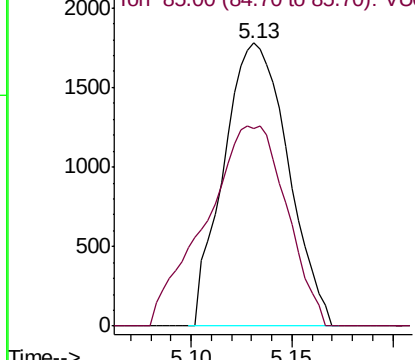
#25
Chloroform
Concen: 0.235 ug/L
RT: 5.13 min Scan# 1179
Delta R.T. 0.00 min
Lab File: VU036573.D
Acq: 28 Jan 2020 13:14

Instrument :
MSVOA_U
ClientSampleId :
MDL07

Tgt Ion: 83 Resp: 3955
Ion Ratio Lower Upper
83 100
85 69.9 45.7 84.9

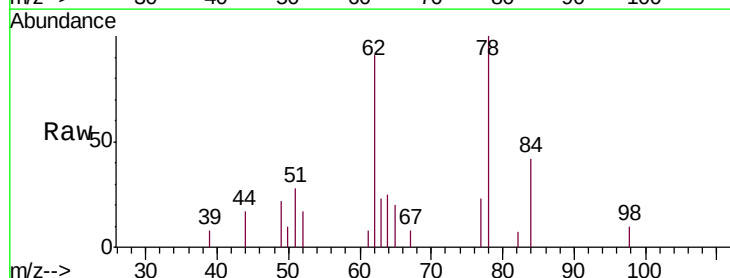


Abundance Ion 83.05 (82.75 to 83.75): VU0
Ion 85.00 (84.70 to 85.70): VU0

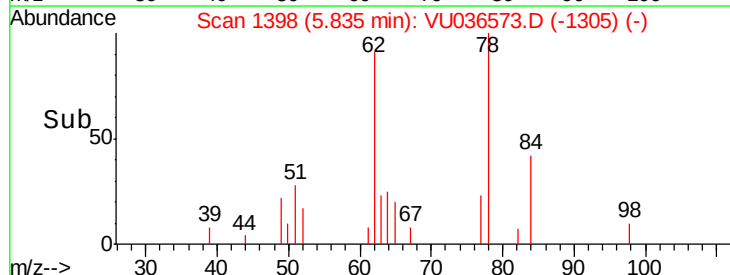
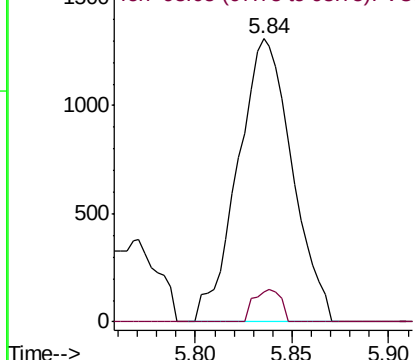


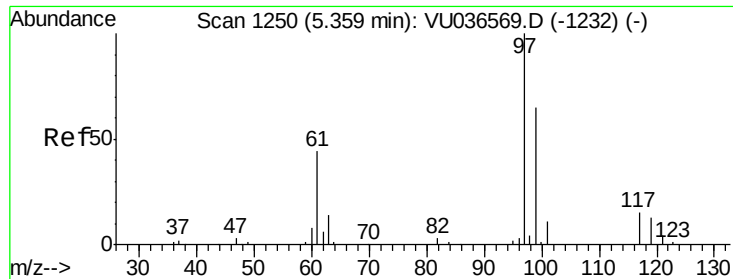
#27
1,2-Dichloroethane
Concen: 0.242 ug/L
RT: 5.84 min Scan# 1398
Delta R.T. 0.00 min
Lab File: VU036573.D
Acq: 28 Jan 2020 13:14

Tgt Ion: 62 Resp: 2554
Ion Ratio Lower Upper
62 100
98 10.8 8.5 12.7



Abundance Ion 62.00 (61.70 to 62.70): VU0
Ion 98.05 (97.75 to 98.75): VU0

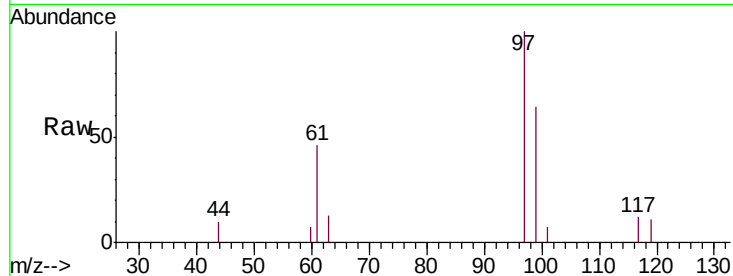




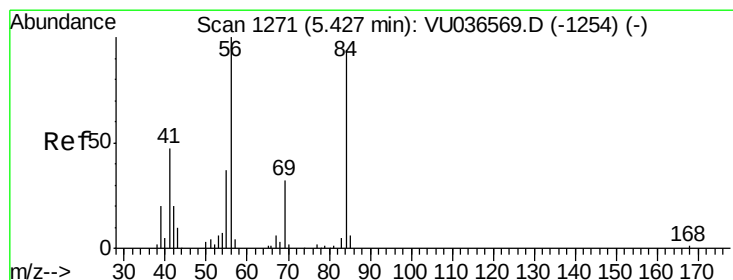
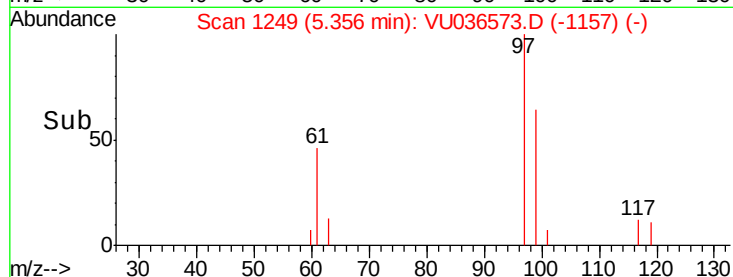
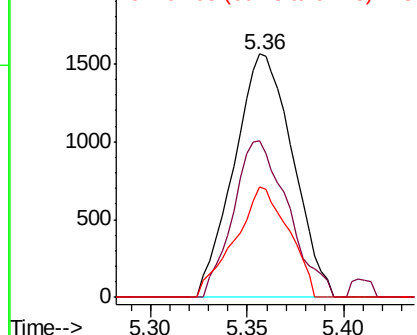
#29
 1,1,1-Trichloroethane
 Concen: 0.235 ug/L
 RT: 5.36 min Scan# 1249
 Delta R.T. -0.00 min
 Lab File: VU036573.D
 Acq: 28 Jan 2020 13:14

Instrument :
 MSVOA_U
 ClientSampleId :
 MDL07

Tgt Ion: 97 Resp: 3292
 Ion Ratio Lower Upper
 97 100
 99 60.3 52.0 78.0
 61 41.5 35.6 53.4

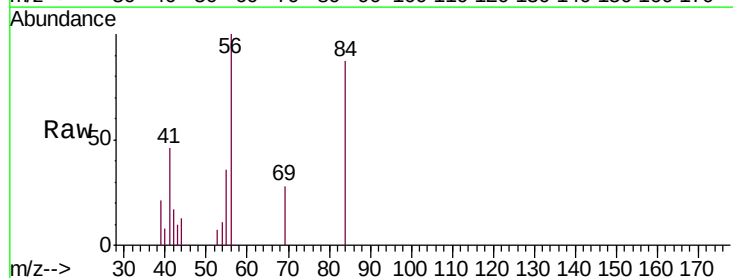


Abundance Ion 96.95 (96.65 to 97.65): VU0
 Ion 99.05 (98.75 to 99.75): VU0
 Ion 61.05 (60.75 to 61.75): VU0

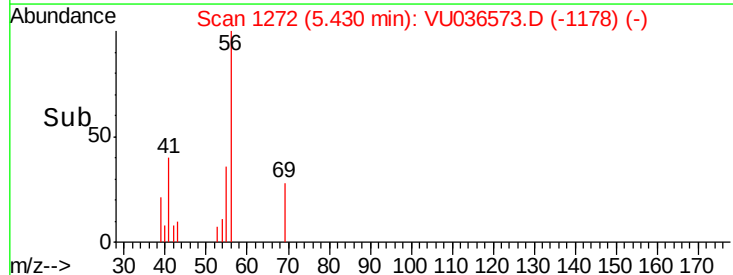
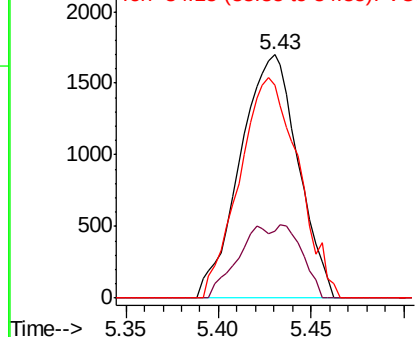


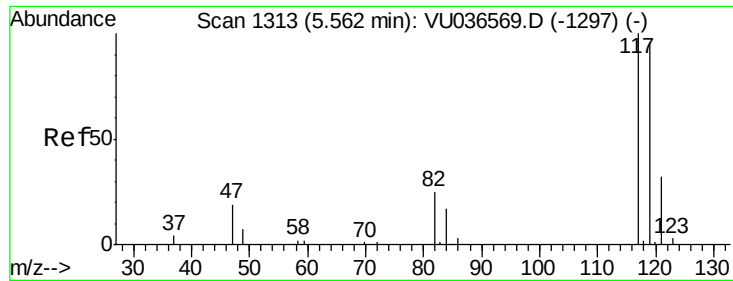
#30
 Cyclohexane
 Concen: 0.231 ug/L
 RT: 5.43 min Scan# 1272
 Delta R.T. 0.00 min
 Lab File: VU036573.D
 Acq: 28 Jan 2020 13:14

Tgt Ion: 56 Resp: 3700
 Ion Ratio Lower Upper
 56 100
 69 16.5 25.7 38.5#
 84 91.8 75.3 112.9



Abundance Ion 56.10 (55.80 to 56.80): VU0
 Ion 69.15 (68.85 to 69.85): VU0
 Ion 84.15 (83.85 to 84.85): VU0





#31

Carbon tetrachloride

Concen: 0.228 ug/L

RT: 5.57 min Scan# 1314

Delta R.T. 0.00 min

Lab File: VU036573.D

Acq: 28 Jan 2020 13:14

Instrument :

MSVOA_U

ClientSampleId :

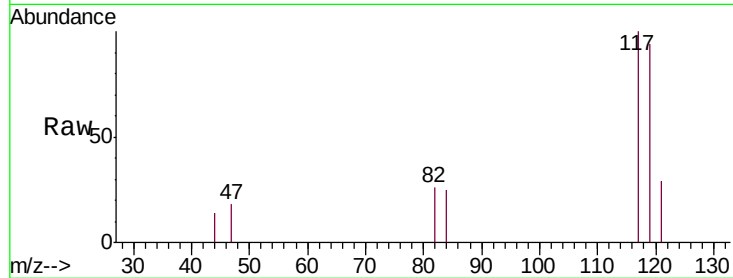
MDL07

Tgt Ion:117 Resp: 2713

Ion Ratio Lower Upper

117 100

119 90.1 76.3 114.5



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V

5.57

1500

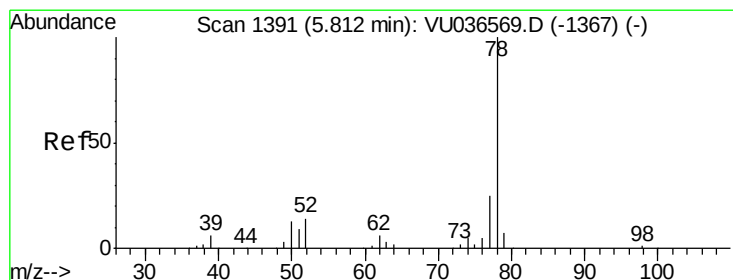
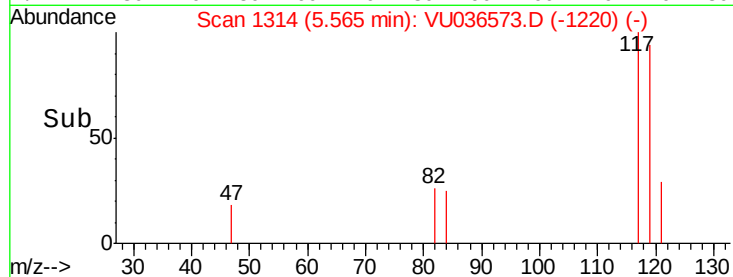
1000

500

0

Time-->

5.50 5.55 5.60



#33

Benzene

Concen: 0.234 ug/L

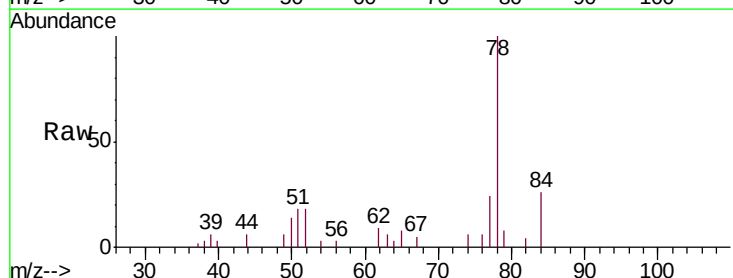
RT: 5.82 min Scan# 1392

Delta R.T. 0.00 min

Lab File: VU036573.D

Acq: 28 Jan 2020 13:14

Tgt Ion: 78 Resp: 9213



Abundance Ion 78.10 (77.80 to 78.80): VU0

5.82

5000

4000

3000

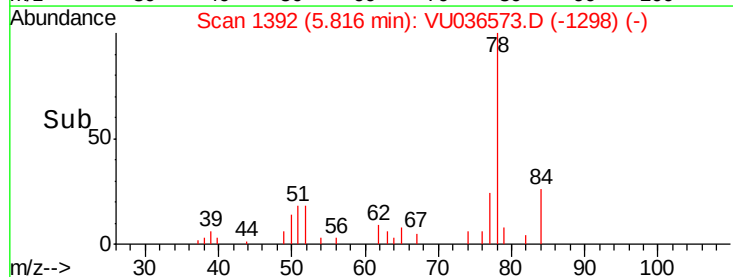
2000

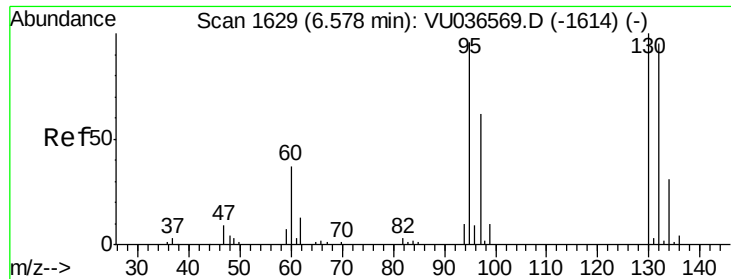
1000

0

Time-->

5.75 5.80 5.85





#34

Trichloroethene

Concen: 0.239 ug/L

RT: 6.58 min Scan# 1629

Delta R.T. 0.00 min

Lab File: VU036573.D

Acq: 28 Jan 2020 13:14

Instrument :

MSVOA_U

ClientSampleId :

MDL07

Tgt Ion: 95 Resp: 2494

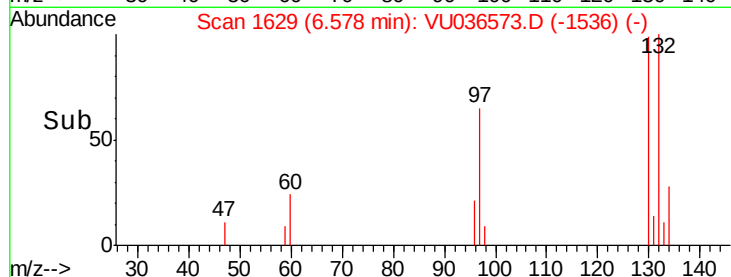
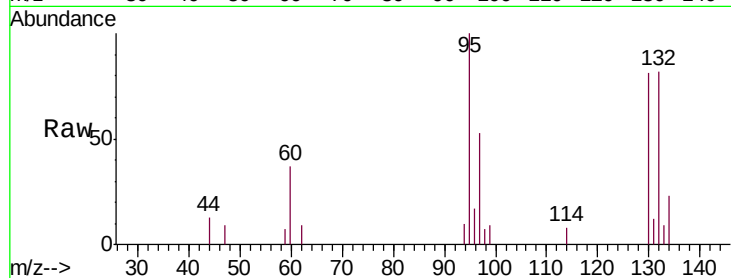
Ion Ratio Lower Upper

95 100

97 53.5 45.6 84.8

132 82.0 67.7 125.7

130 81.5 72.2 134.2

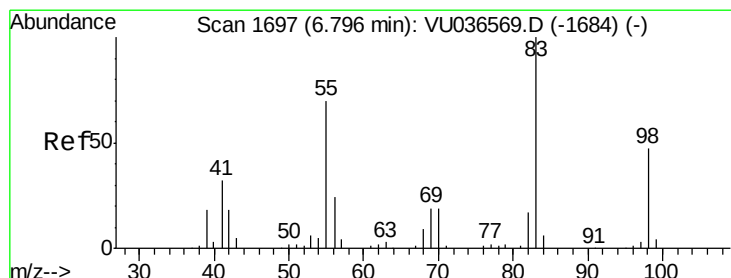
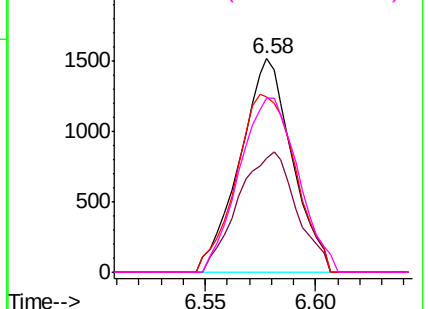


Abundance Ion 95.00 (94.70 to 95.70): VU0

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: 0.243 ug/L

RT: 6.80 min Scan# 1698

Delta R.T. 0.00 min

Lab File: VU036573.D

Acq: 28 Jan 2020 13:14

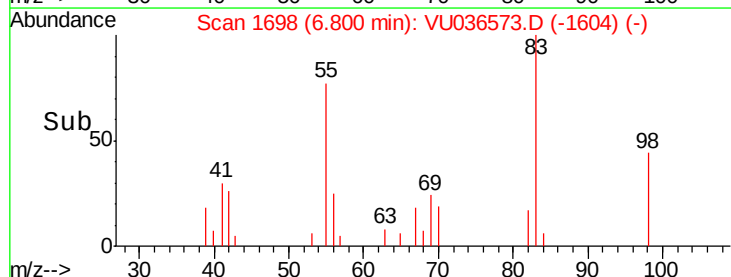
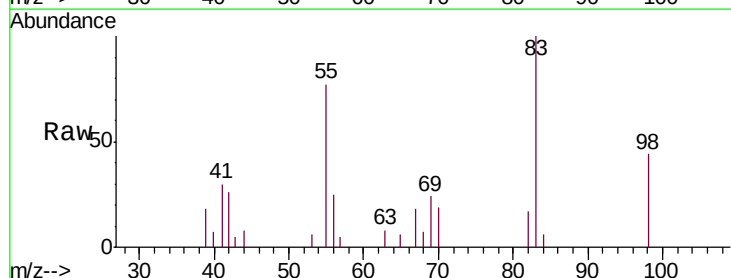
Tgt Ion: 83 Resp: 4355

Ion Ratio Lower Upper

83 100

55 67.7 56.9 85.3

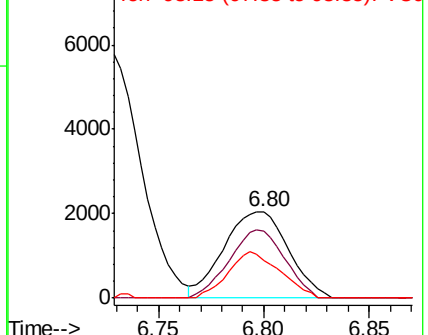
98 43.1 36.9 55.3

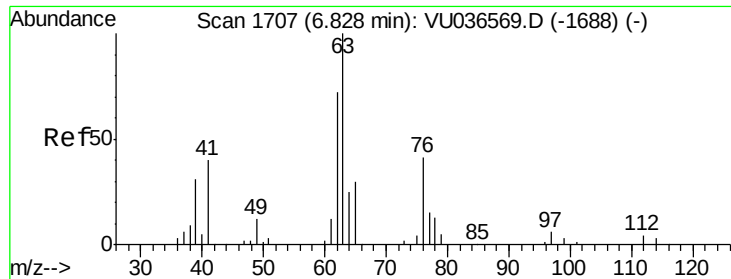


Abundance Ion 83.15 (82.85 to 83.85): VU0

Ion 55.10 (54.80 to 55.80): VU0

Ion 98.15 (97.85 to 98.85): VU0

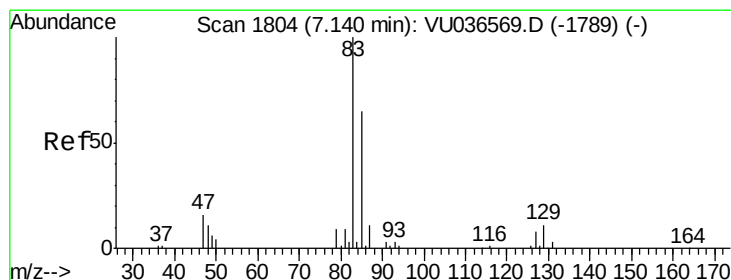
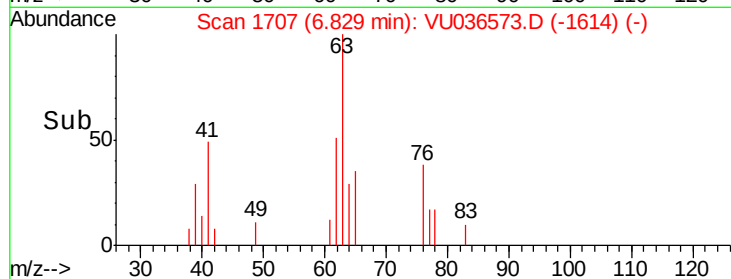
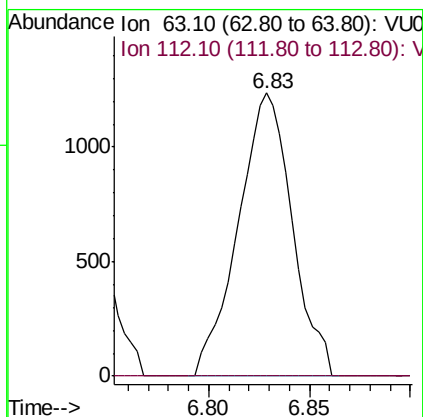
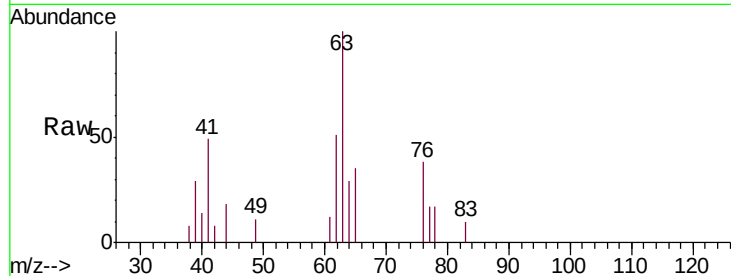




#37
 1,2-Dichloropropane
 Concen: 0.236 ug/L
 RT: 6.83 min Scan# 1707
 Delta R.T. 0.00 min
 Lab File: VU036573.D
 Acq: 28 Jan 2020 13:14

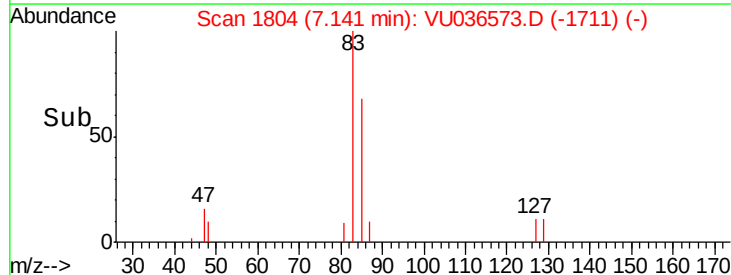
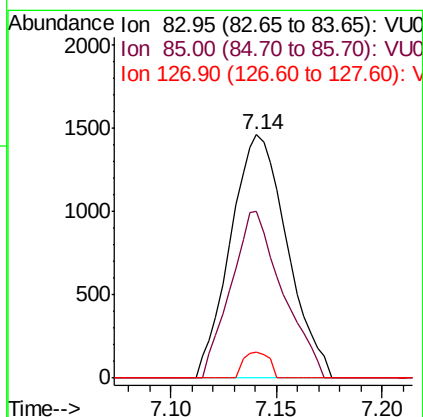
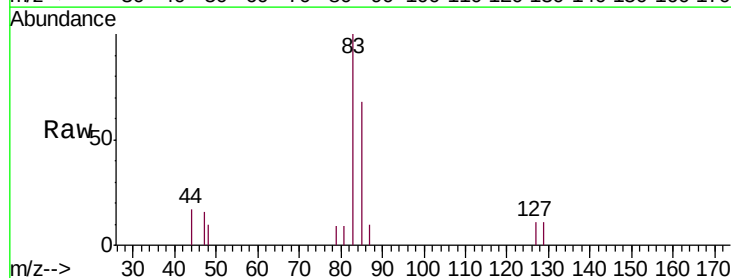
Instrument :
 MSVOA_U
 ClientSampled :
 MDL07

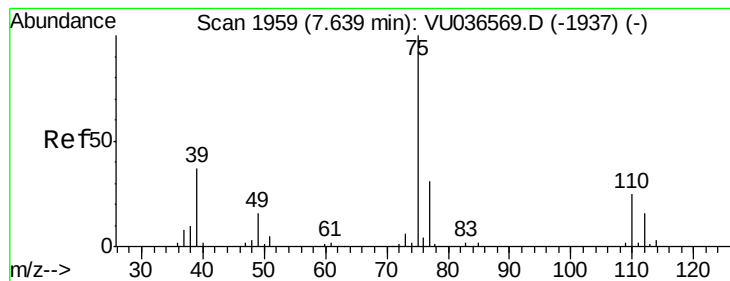
Tgt Ion: 63 Resp: 2312
 Ion Ratio Lower Upper
 63 100
 112 0.0 3.3 4.9#



#38
 Bromodichloromethane
 Concen: 0.228 ug/L
 RT: 7.14 min Scan# 1804
 Delta R.T. 0.00 min
 Lab File: VU036573.D
 Acq: 28 Jan 2020 13:14

Tgt Ion: 83 Resp: 2729
 Ion Ratio Lower Upper
 83 100
 85 68.3 44.7 82.9
 127 10.5 7.2 10.8





#39

cis-1,3-Dichloropropene

Concen: 0.238 ug/L

RT: 7.64 min Scan# 1959

Delta R.T. 0.00 min

Lab File: VU036573.D

Acq: 28 Jan 2020 13:14

Instrument :

MSVOA_U

ClientSampleId :

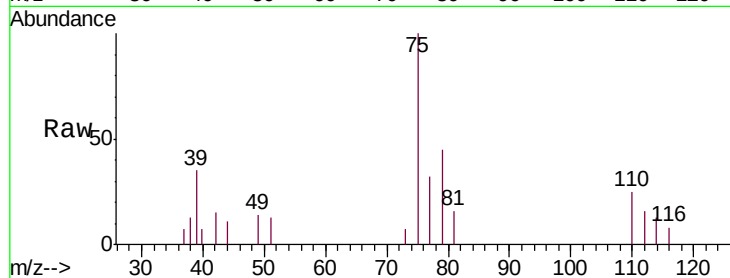
MDL07

Tgt Ion: 75 Resp: 3605

Ion Ratio Lower Upper

75 100

77 32.4 22.3 41.5



Abundance Ion 75.05 (74.75 to 75.75): VU036569.D (-1937) (-)

Ion 77.05 (76.75 to 77.75): VU036569.D (-1937) (-)

7.64

2000

1500

1000

500

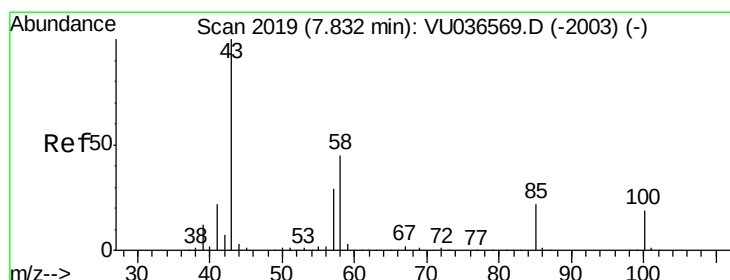
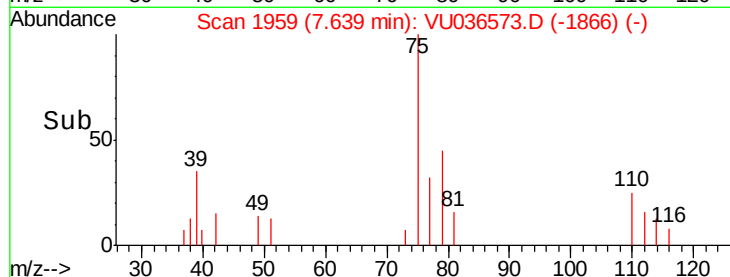
0

7.60

7.65

7.70

Time-->



#40

4-Methyl-2-pentanone

Concen: 2.407 ug/L

RT: 7.84 min Scan# 2020

Delta R.T. 0.00 min

Lab File: VU036573.D

Acq: 28 Jan 2020 13:14

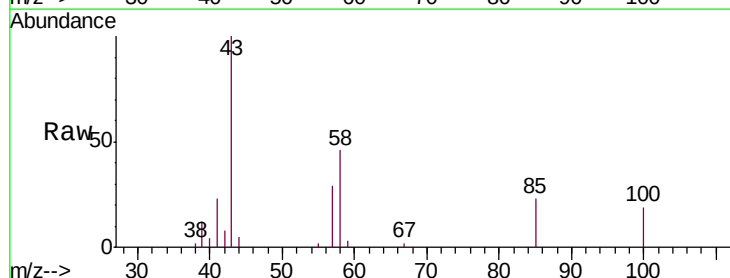
Tgt Ion: 43 Resp: 13283

Ion Ratio Lower Upper

43 100

58 46.0 35.6 53.4

100 0.0 14.9 22.3#



Abundance Ion 43.05 (42.75 to 43.75): VU036569.D (-2003) (-)

Ion 58.05 (57.75 to 58.75): VU036569.D (-2003) (-)

Ion 100.15 (99.85 to 100.85): VU036569.D (-2003) (-)

7.84

60000

40000

20000

0

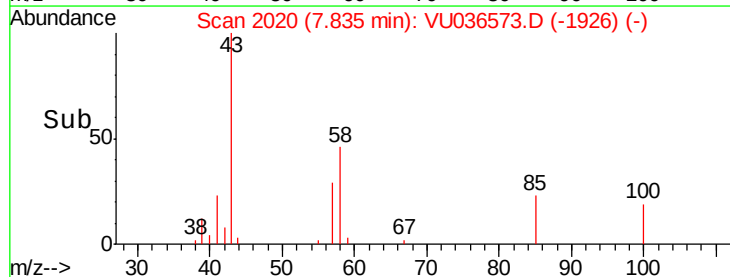
7.75

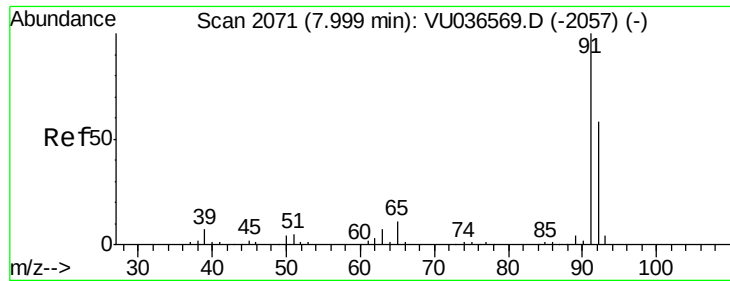
7.80

7.85

7.90

Time-->





#42

Toluene

Concen: 0.262 ug/L

RT: 8.00 min Scan# 2071

Delta R.T. 0.00 min

Lab File: VU036573.D

Acq: 28 Jan 2020 13:14

Instrument :

MSVOA_U

ClientSampleId :

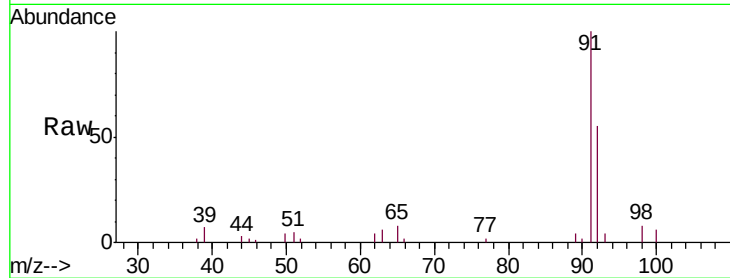
MDL07

Tgt Ion: 91 Resp: 11421

Ion Ratio Lower Upper

91 100

92 55.1 40.6 75.4



Abundance Ion 91.15 (90.85 to 91.85): VU036569.D (-2057) (-)

Ion 92.15 (91.85 to 92.85): VU036569.D (-2057) (-)

8.00

6000

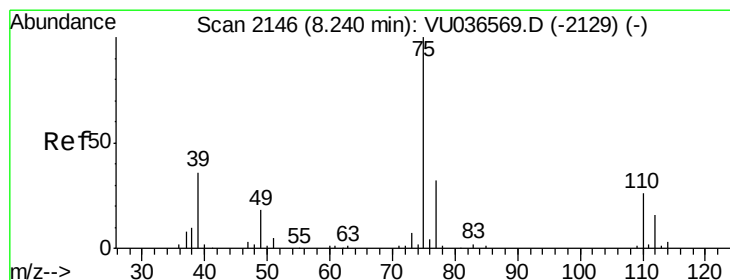
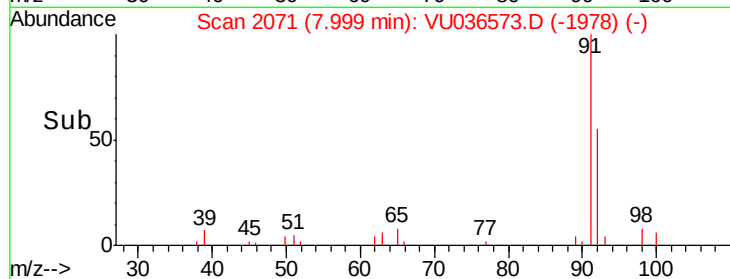
4000

2000

0

7.95 8.00 8.05

Time-->



#44

trans-1,3-Dichloropropene

Concen: 0.297 ug/L

RT: 8.24 min Scan# 2147

Delta R.T. 0.00 min

Lab File: VU036573.D

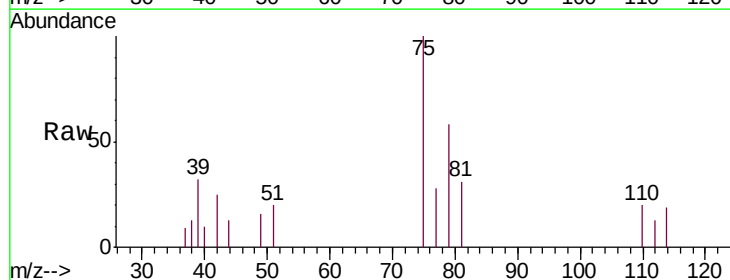
Acq: 28 Jan 2020 13:14

Tgt Ion: 75 Resp: 3454

Ion Ratio Lower Upper

75 100

77 28.1 22.8 42.4



Abundance Ion 75.05 (74.75 to 75.75): VU036569.D (-2129) (-)

Ion 77.05 (76.75 to 77.75): VU036569.D (-2129) (-)

8.24

1500

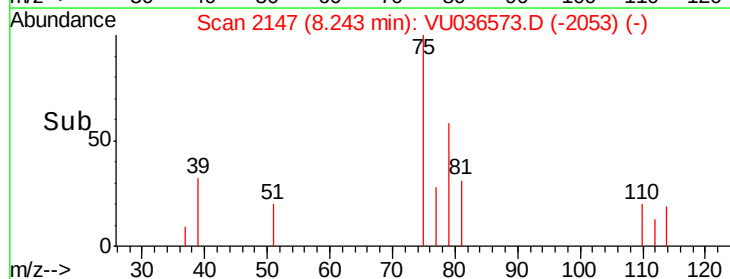
1000

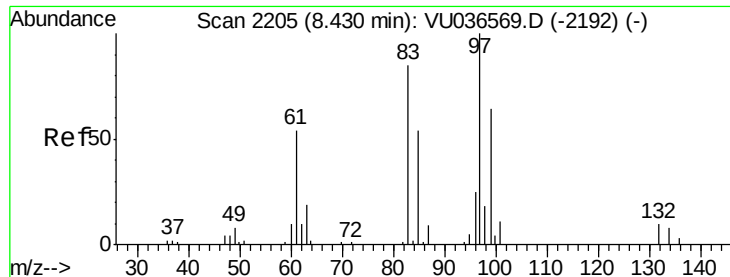
500

0

8.15 8.20 8.25 8.30

Time-->



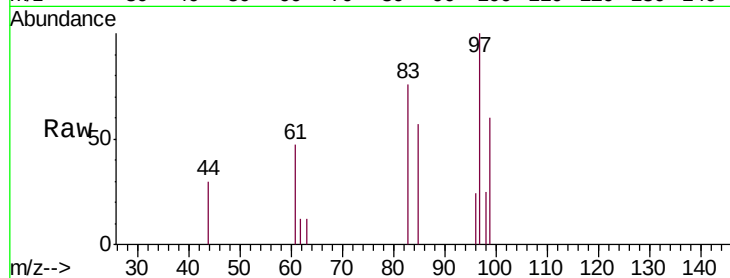


#45
 1,1,2-Trichloroethane
 Concen: 0.234 ug/L
 RT: 8.43 min Scan# 2206
 Delta R.T. 0.00 min
 Lab File: VU036573.D
 Acq: 28 Jan 2020 13:14

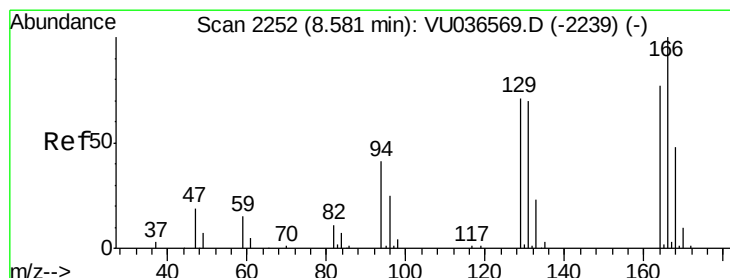
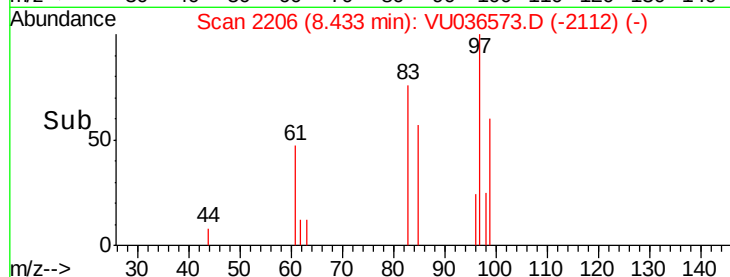
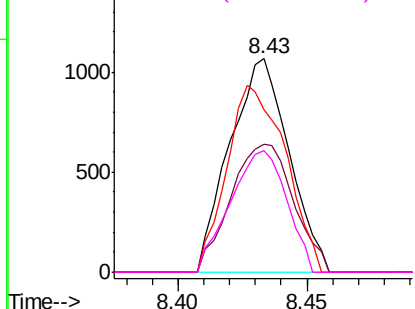
Instrument :
 MSVOA_U
 ClientSampleId :
 MDL07

Tgt Ion: 97 Resp: 1702

Ion	Ratio	Lower	Upper
97	100		
99	59.9	42.1	78.3
83	76.3	58.4	108.6
85	57.2	39.6	73.6



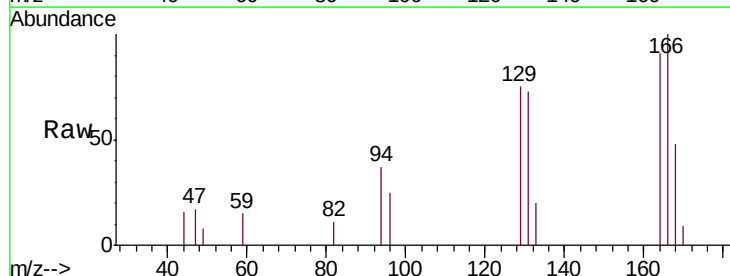
Abundance Ion 96.95 (96.65 to 97.65): VU0
 Ion 99.05 (98.75 to 99.75): VU0
 Ion 82.95 (82.65 to 83.65): VU0
 Ion 85.00 (84.70 to 85.70): VU0



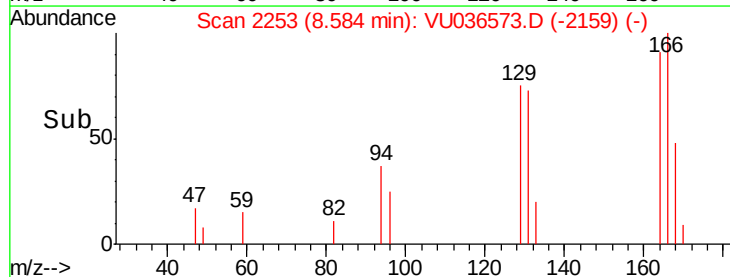
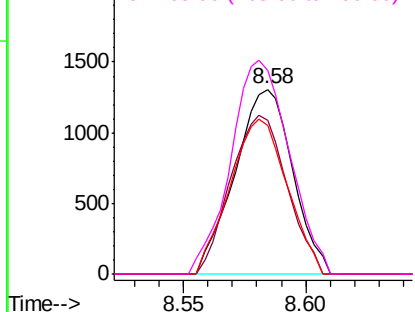
#47
 Tetrachloroethene
 Concen: 0.252 ug/L
 RT: 8.58 min Scan# 2253
 Delta R.T. 0.00 min
 Lab File: VU036573.D
 Acq: 28 Jan 2020 13:14

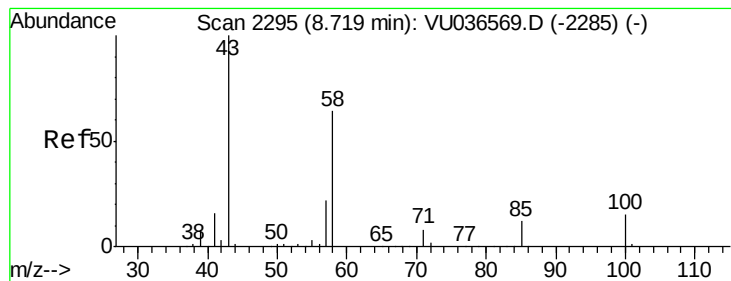
Tgt Ion: 164 Resp: 2148

Ion	Ratio	Lower	Upper
164	100		
129	83.3	64.7	120.1
131	80.1	64.0	118.8
166	110.5	89.5	166.3



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: 3.112 ug/L

RT: 8.72 min Scan# 2296

Delta R.T. 0.00 min

Lab File: VU036573.D

Acq: 28 Jan 2020 13:14

Instrument :

MSVOA_U

ClientSampleId :

MDL07

Tgt Ion: 43 Resp: 11847

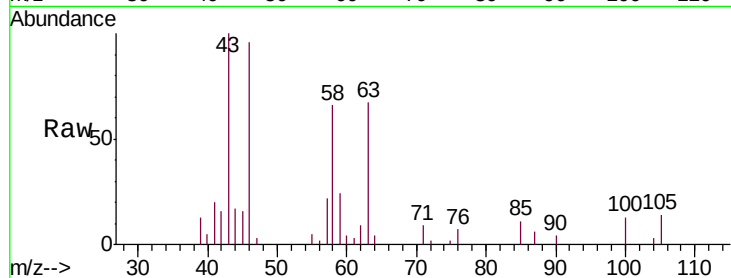
Ion Ratio Lower Upper

43 100

58 61.6 50.2 75.2

57 21.0 17.5 26.3

100 11.6 11.5 17.3

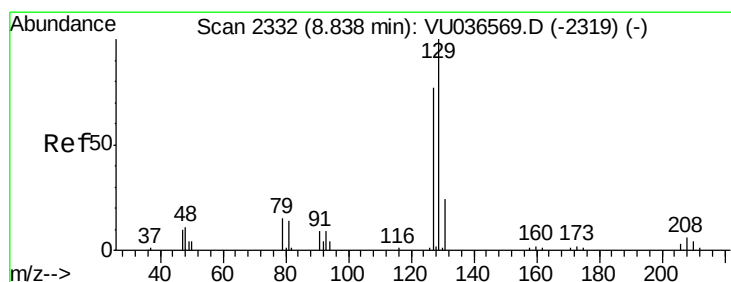
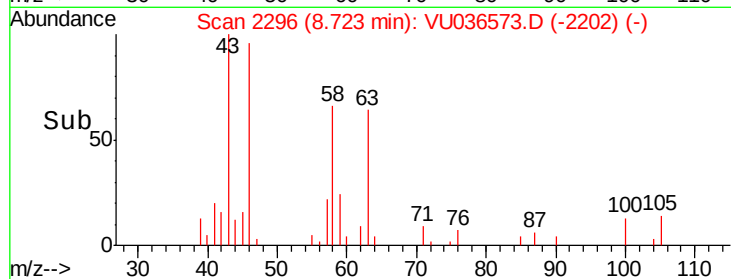
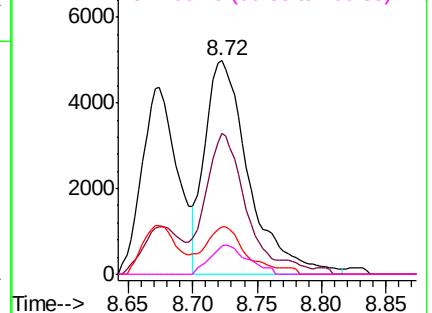


Abundance Ion 43.05 (42.75 to 43.75): VU0

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: 0.222 ug/L

RT: 8.84 min Scan# 2332

Delta R.T. 0.00 min

Lab File: VU036573.D

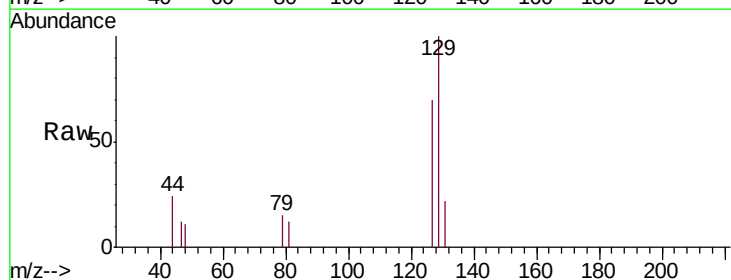
Acq: 28 Jan 2020 13:14

Tgt Ion: 129 Resp: 1846

Ion Ratio Lower Upper

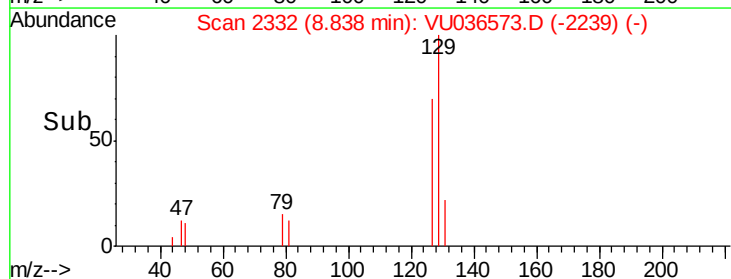
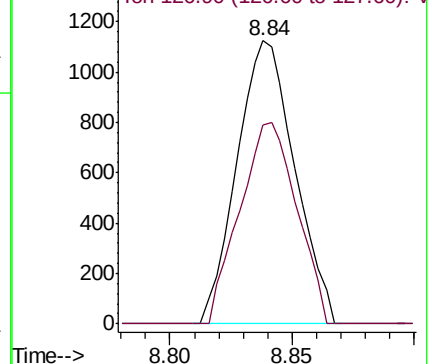
129 100

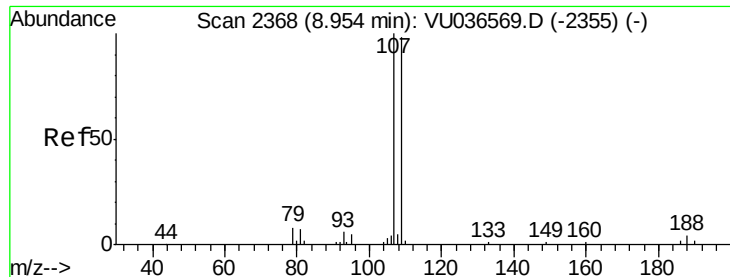
127 70.5 54.5 101.3



Abundance Ion 128.95 (128.65 to 129.65): V

Ion 126.90 (126.60 to 127.60): V

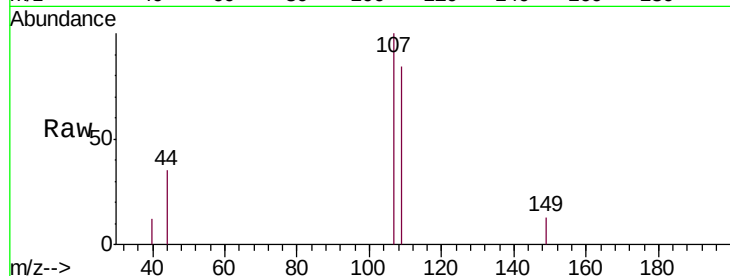




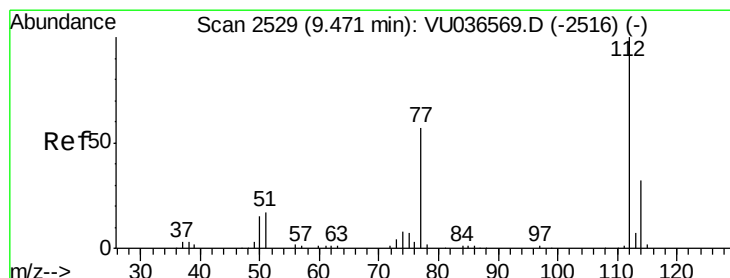
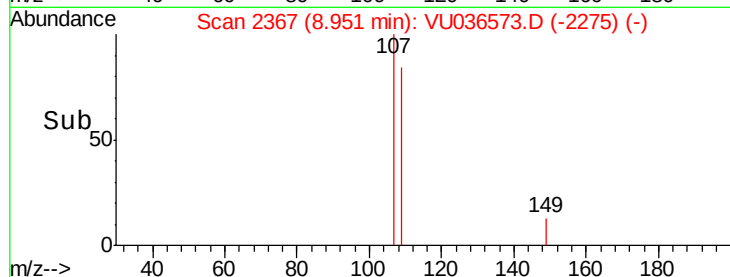
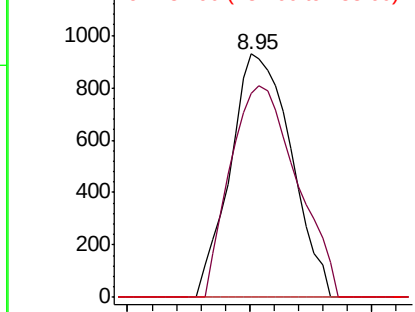
#50
1,2-Dibromoethane
Concen: 0.227 ug/L
RT: 8.95 min Scan# 2367
Delta R.T. -0.00 min
Lab File: VU036573.D
Acq: 28 Jan 2020 13:14

Instrument :
MSVOA_U
ClientSampleId :
MDL07

Tgt Ion:107 Resp: 1604
Ion Ratio Lower Upper
107 100
109 83.9 64.5 119.9
188 0.0 2.8 4.2#

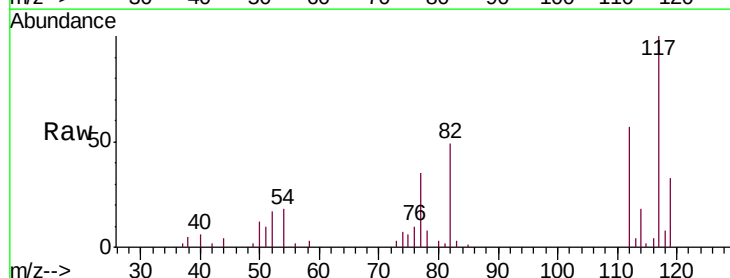


Abundance Ion 106.95 (106.65 to 107.65): V
Ion 109.00 (108.70 to 109.70): V
Ion 187.90 (187.60 to 188.60): V

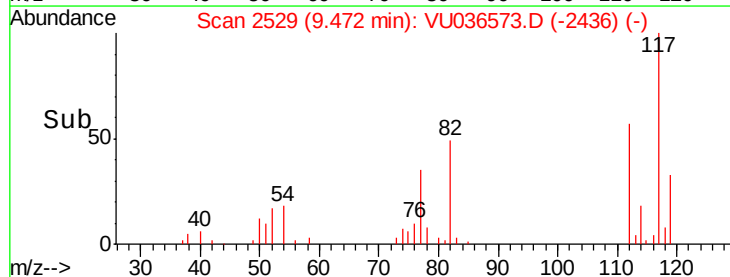
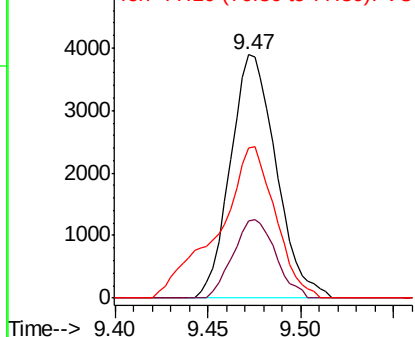


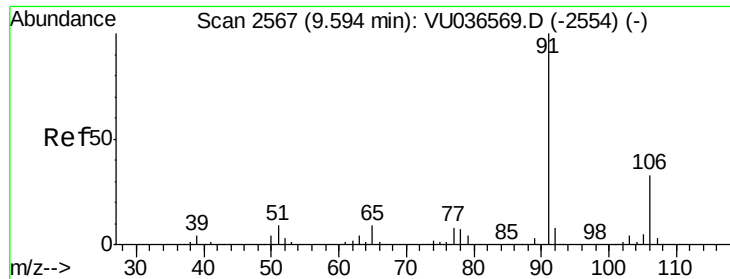
#51
Chlorobenzene
Concen: 0.239 ug/L
RT: 9.47 min Scan# 2529
Delta R.T. 0.00 min
Lab File: VU036573.D
Acq: 28 Jan 2020 13:14

Tgt Ion:112 Resp: 6686
Ion Ratio Lower Upper
112 100
114 31.5 23.2 43.2
77 61.8 45.9 68.9



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): VU





#52

Ethylbenzene

Concen: 0.239 ug/L

RT: 9.59 min Scan# 2567

Delta R.T. 0.00 min

Lab File: VU036573.D

Acq: 28 Jan 2020 13:14

Instrument :

MSVOA_U

ClientSampleId :

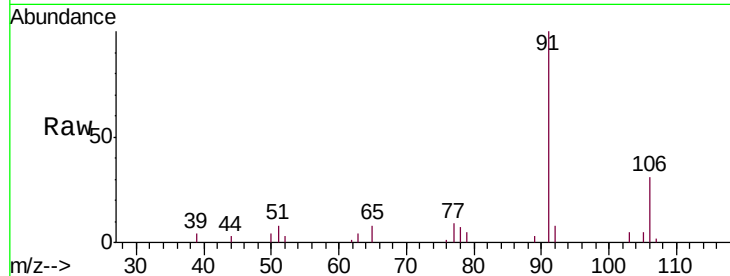
MDL07

Tgt Ion: 91 Resp: 11351

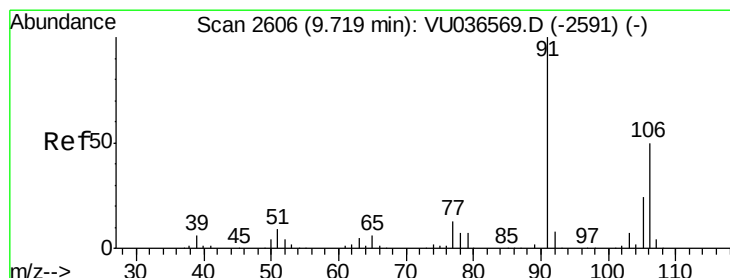
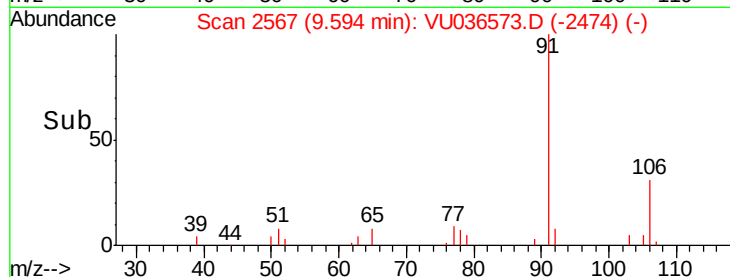
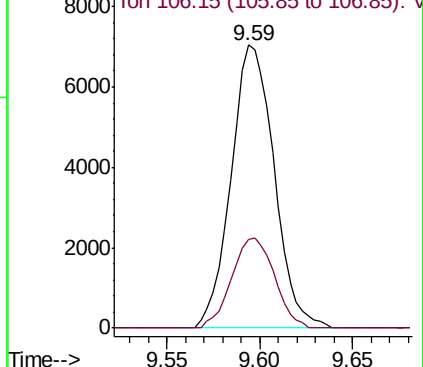
Ion Ratio Lower Upper

91 100

106 31.4 22.3 41.3



Abundance Ion 91.15 (90.85 to 91.85): VU036573.D (-2513) (-)



#53

m,p-Xylene

Concen: 0.258 ug/L

RT: 9.72 min Scan# 2606

Delta R.T. 0.00 min

Lab File: VU036573.D

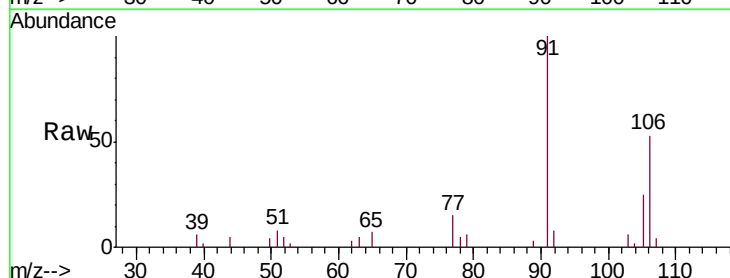
Acq: 28 Jan 2020 13:14

Tgt Ion: 106 Resp: 4747

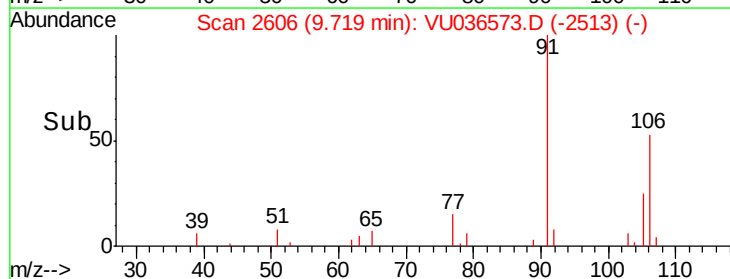
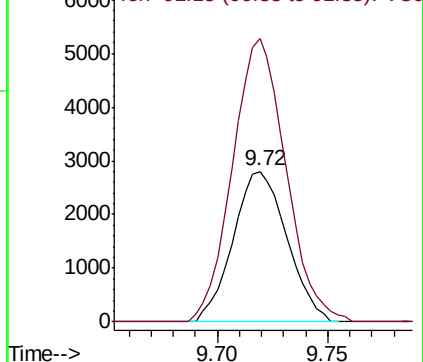
Ion Ratio Lower Upper

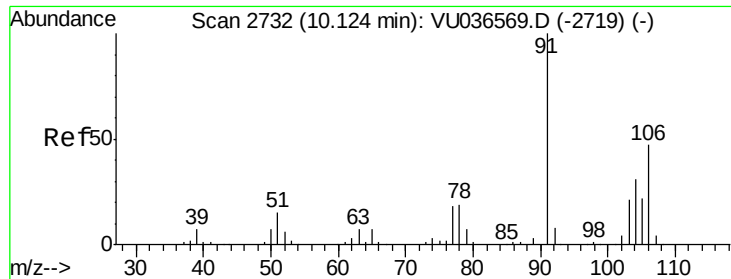
106 100

91 187.9 141.4 262.6



Abundance Ion 106.15 (105.85 to 106.85): VU036573.D (-2513) (-)

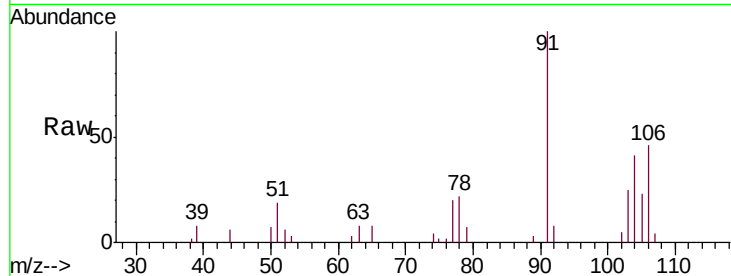




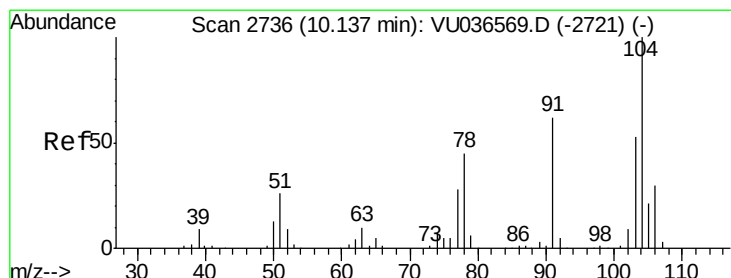
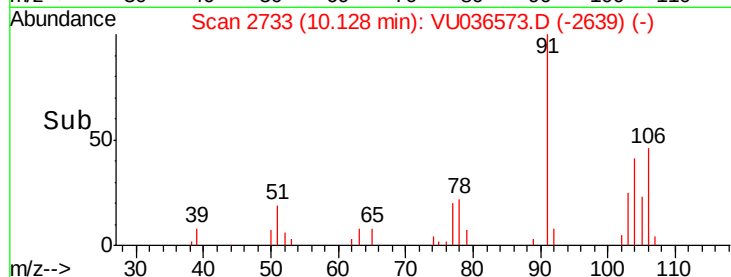
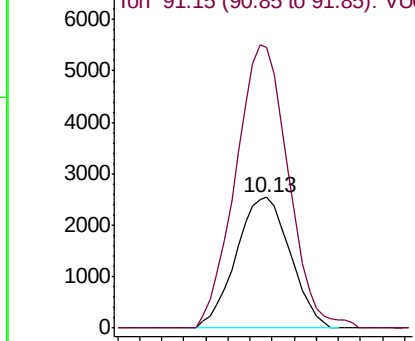
#54
o-Xylene
Concen: 0.240 ug/L
RT: 10.13 min Scan# 2733
Delta R.T. 0.00 min
Lab File: VU036573.D
Acq: 28 Jan 2020 13:14

Instrument :
MSVOA_U
ClientSampleId :
MDL07

Tgt Ion:106 Resp: 4322
Ion Ratio Lower Upper
106 100
91 215.2 146.2 271.4

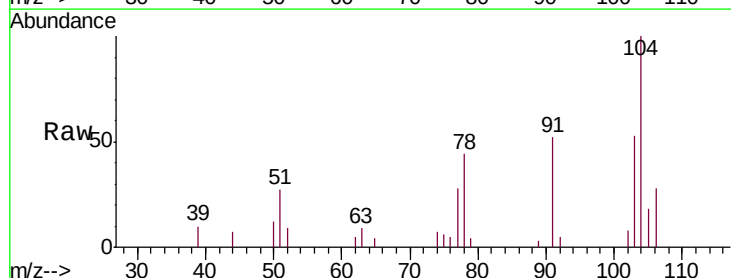


Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VU0

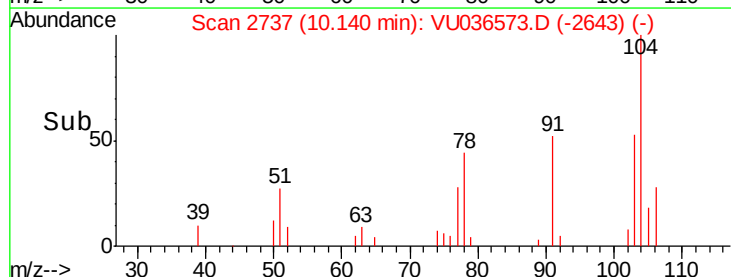
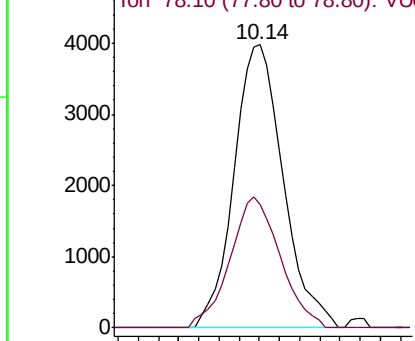


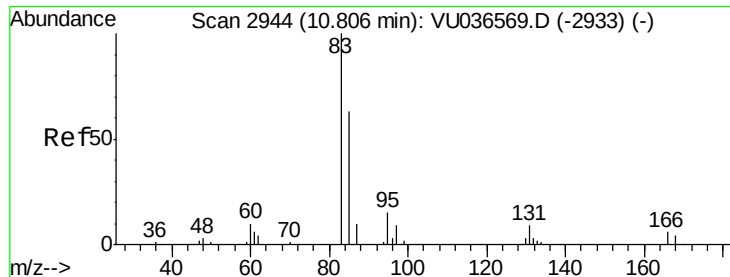
#55
Styrene
Concen: 0.229 ug/L
RT: 10.14 min Scan# 2737
Delta R.T. 0.00 min
Lab File: VU036573.D
Acq: 28 Jan 2020 13:14

Tgt Ion:104 Resp: 6788
Ion Ratio Lower Upper
104 100
78 43.7 31.9 59.2



Abundance Ion 104.10 (103.80 to 104.80): V
Ion 78.10 (77.80 to 78.80): VU0





#57

1,1,2,2-Tetrachloroethane

Concen: 0.224 ug/L

RT: 10.81 min Scan# 2944

Delta R.T. 0.00 min

Lab File: VU036573.D

Acq: 28 Jan 2020 13:14

Instrument :

MSVOA_U

ClientSampleId :

MDL07

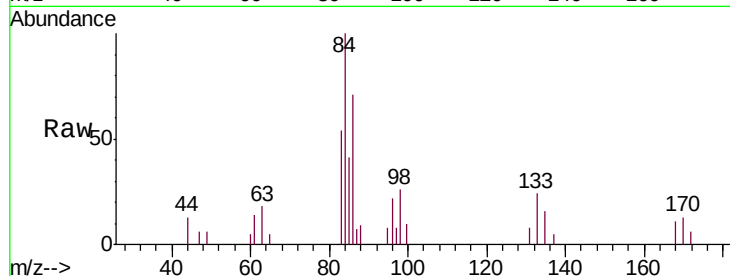
Tgt Ion: 83 Resp: 2037

Ion Ratio Lower Upper

83 100

85 75.5 47.0 87.4

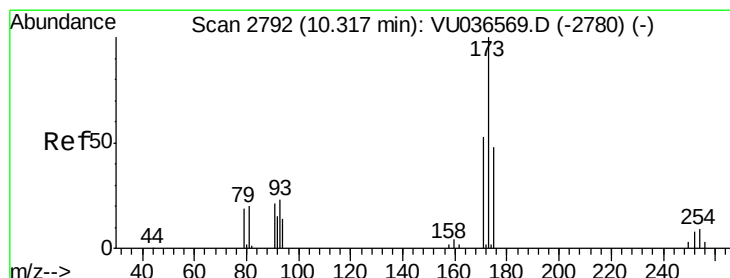
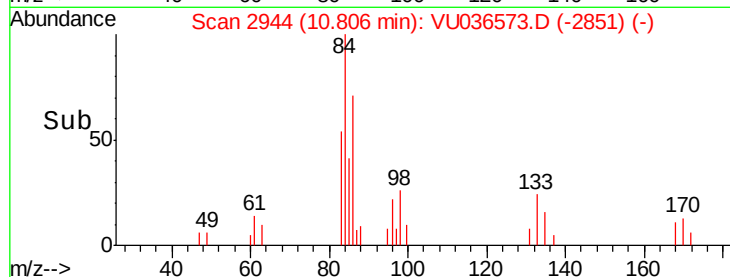
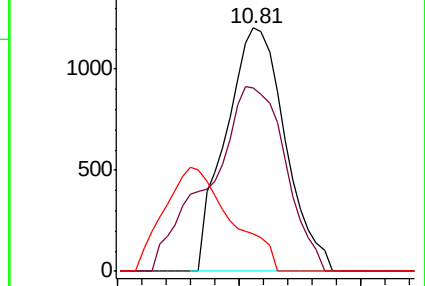
131 15.4 8.1 12.1#



Abundance Ion 82.95 (82.65 to 83.65): VU036573.D (-2851) (-)

Ion 85.00 (84.70 to 85.70): VU036573.D (-2851) (-)

Ion 130.95 (130.65 to 131.65): VU036573.D (-2851) (-)



#59

Bromoform

Concen: 0.258 ug/L

RT: 10.32 min Scan# 2793

Delta R.T. 0.00 min

Lab File: VU036573.D

Acq: 28 Jan 2020 13:14

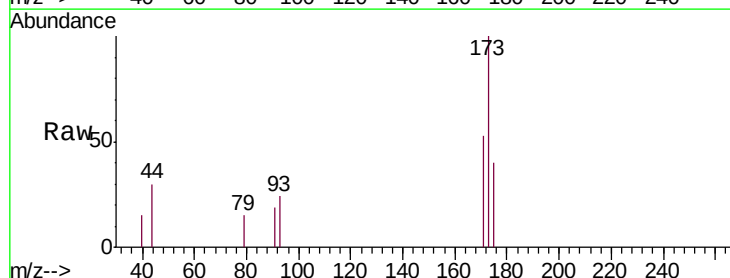
Tgt Ion: 173 Resp: 1119

Ion Ratio Lower Upper

173 100

175 32.6 39.0 58.4#

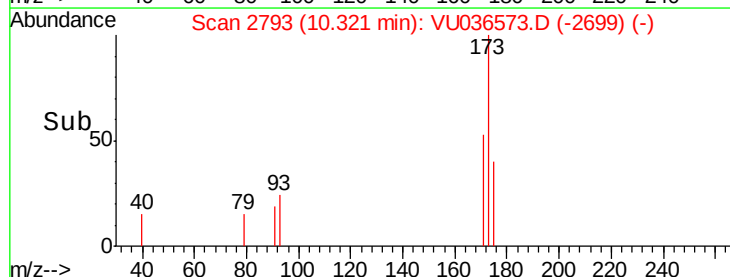
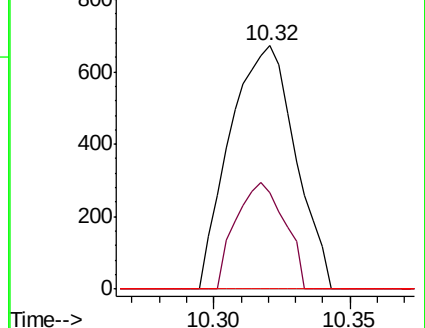
254 0.0 6.3 9.5#

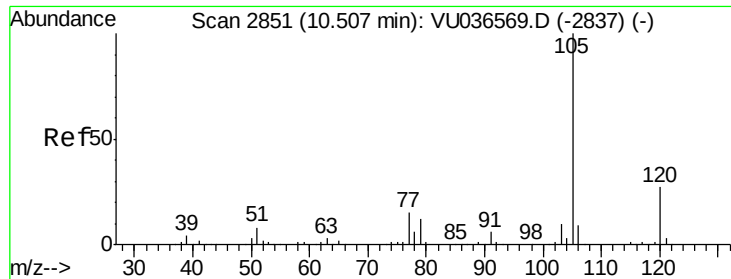


Abundance Ion 172.90 (172.60 to 173.60): VU036573.D (-2699) (-)

Ion 174.90 (174.60 to 175.60): VU036573.D (-2699) (-)

Ion 253.75 (253.45 to 254.45): VU036573.D (-2699) (-)





#60

Isopropylbenzene

Concen: 0.249 ug/L

RT: 10.51 min Scan# 2851

Delta R.T. 0.00 min

Lab File: VU036573.D

Acq: 28 Jan 2020 13:14

Instrument :

MSVOA_U

ClientSampleId :

MDL07

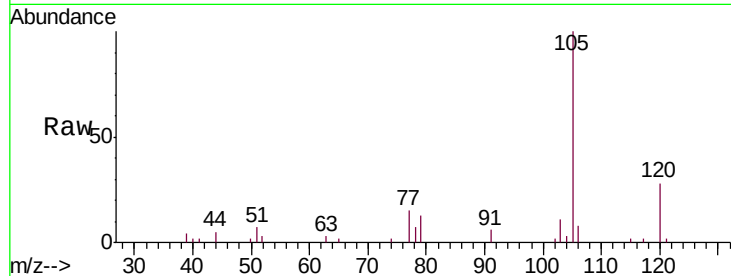
Tgt Ion: 105 Resp: 10852

Ion Ratio Lower Upper

105 100

120 27.4 21.5 32.3

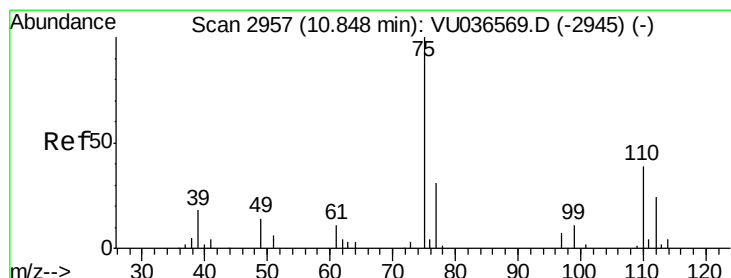
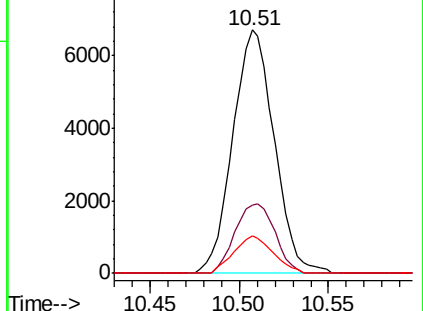
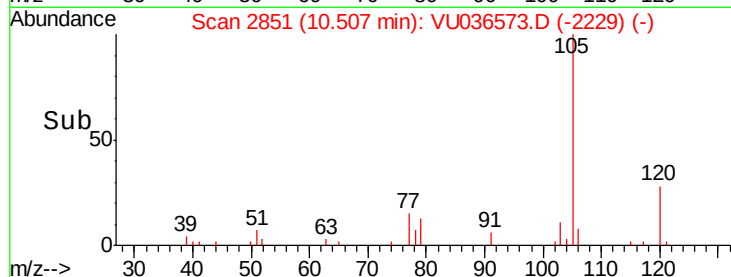
77 14.5 12.2 18.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): VU



#61

1,2,3-Trichloropropane

Concen: 0.237 ug/L

RT: 10.85 min Scan# 2958

Delta R.T. 0.00 min

Lab File: VU036573.D

Acq: 28 Jan 2020 13:14

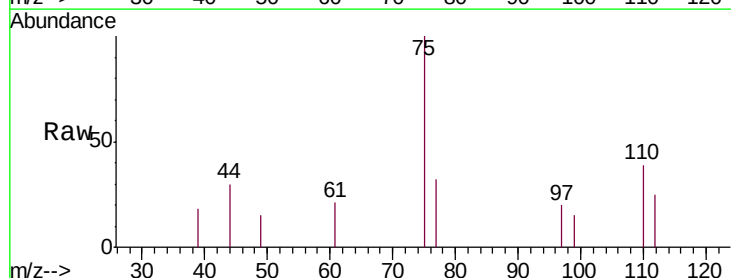
Tgt Ion: 75 Resp: 1423

Ion Ratio Lower Upper

75 100

110 36.6 29.0 43.4

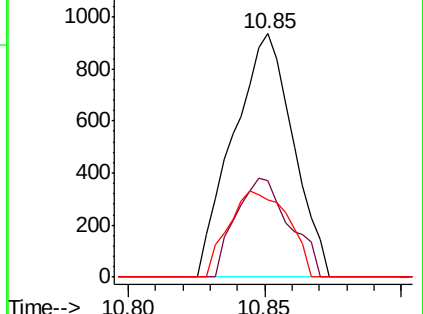
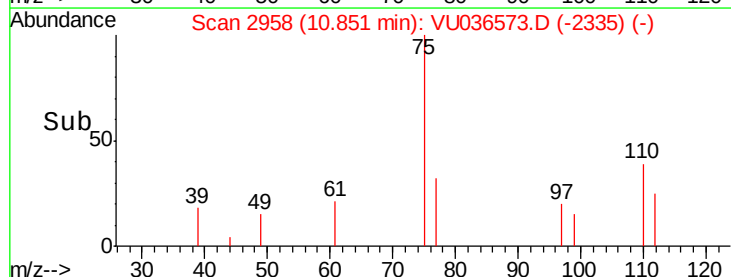
77 35.4 25.8 38.6

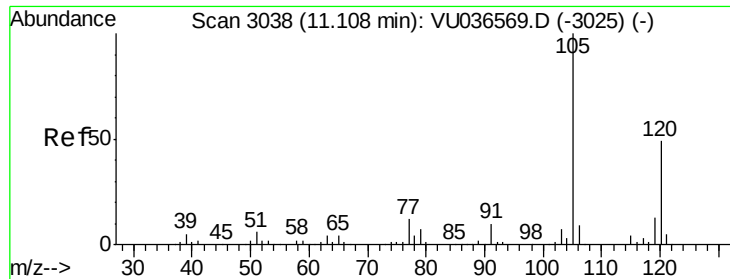


Abundance Ion 75.00 (74.70 to 75.70): VU

Ion 110.00 (109.70 to 110.70): V

Ion 77.00 (76.70 to 77.70): VU

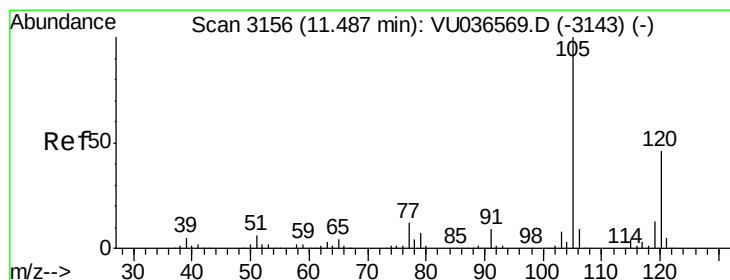
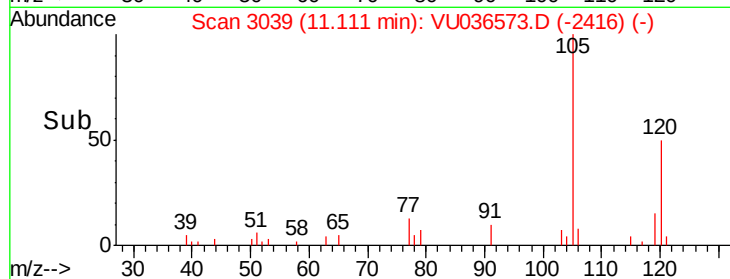
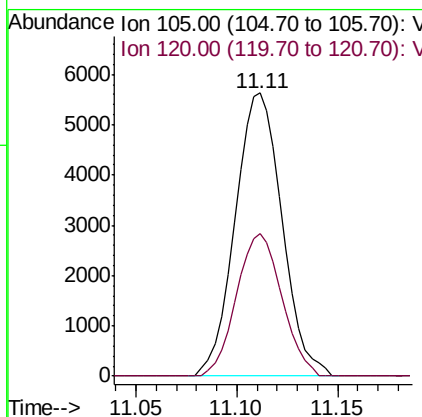
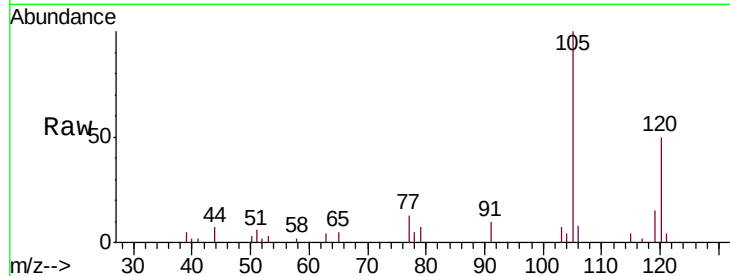




#62
 1,3,5-Trimethylbenzene
 Concen: 0.246 ug/L
 RT: 11.11 min Scan# 3039
 Delta R.T. 0.00 min
 Lab File: VU036573.D
 Acq: 28 Jan 2020 13:14

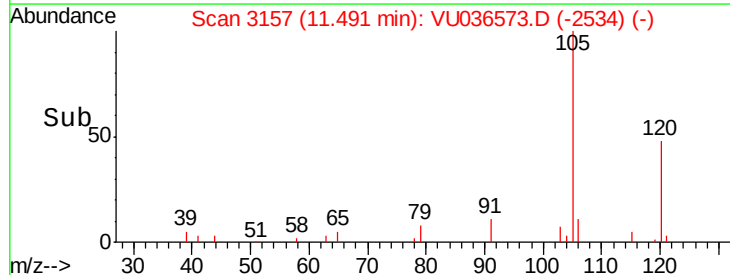
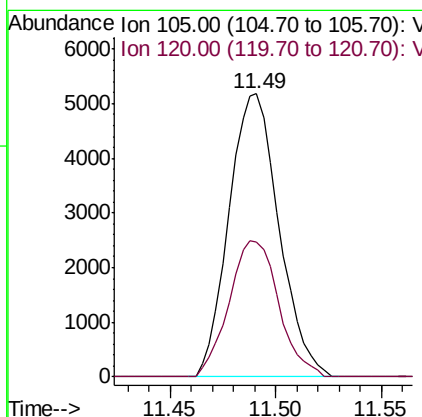
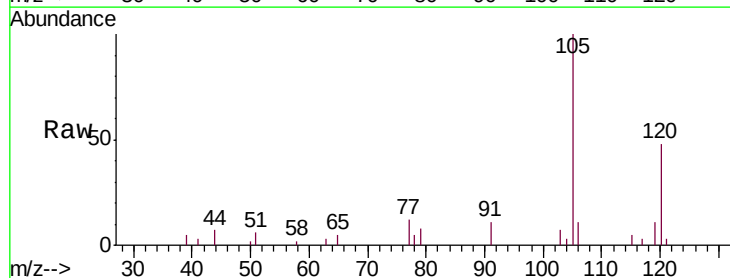
Instrument :
 MSVOA_U
 ClientSampleId :
 MDL07

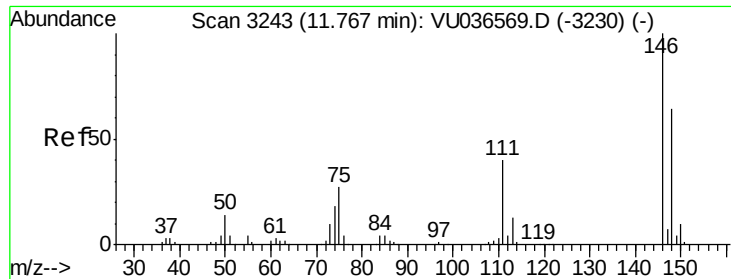
Tgt Ion:105 Resp: 9167
 Ion Ratio Lower Upper
 105 100
 120 48.7 39.7 59.5



#63
 1,2,4-Trimethylbenzene
 Concen: 0.230 ug/L
 RT: 11.49 min Scan# 3157
 Delta R.T. 0.00 min
 Lab File: VU036573.D
 Acq: 28 Jan 2020 13:14

Tgt Ion:105 Resp: 8527
 Ion Ratio Lower Upper
 105 100
 120 47.7 36.9 55.3

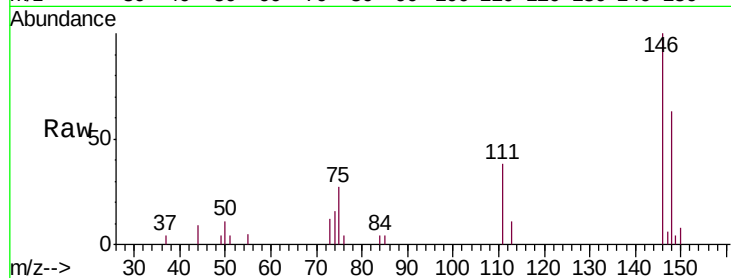




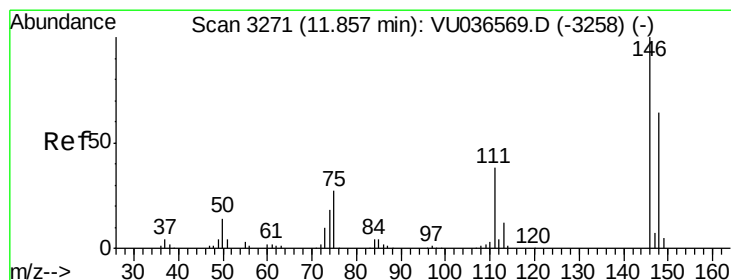
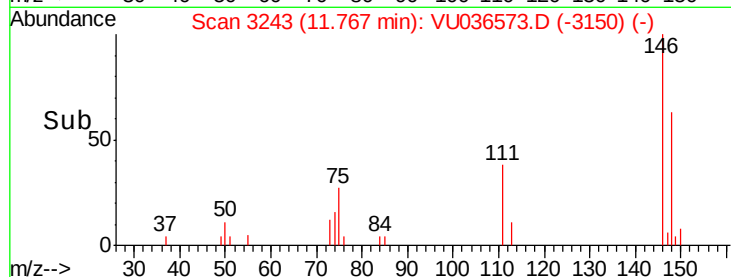
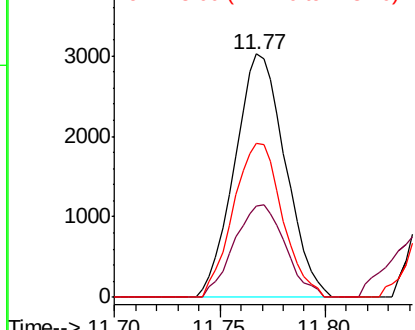
#64
 1,3-Dichlorobenzene
 Concen: 0.248 ug/L
 RT: 11.77 min Scan# 3243
 Delta R.T. 0.00 min
 Lab File: VU036573.D
 Acq: 28 Jan 2020 13:14

Instrument :
 MSVOA_U
 ClientSampleId :
 MDL07

Tgt Ion:146 Resp: 5043
 Ion Ratio Lower Upper
 146 100
 111 37.6 28.8 53.6
 148 63.4 44.2 82.2

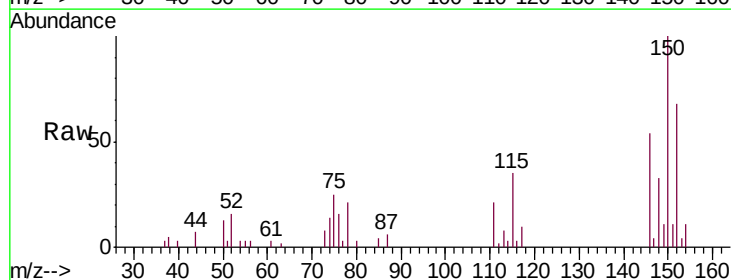


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 111.00 (110.70 to 111.70): V
 Ion 148.00 (147.70 to 148.70): V

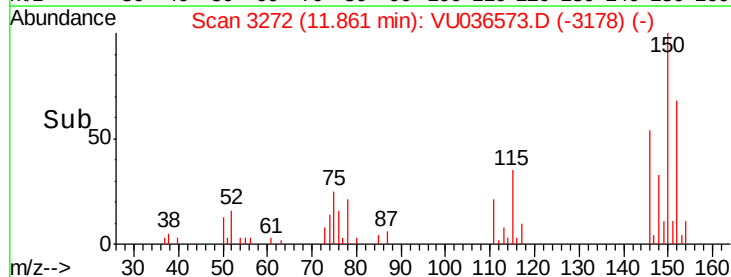
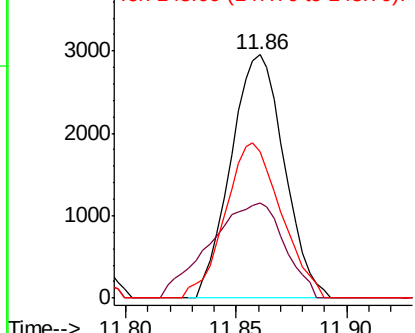


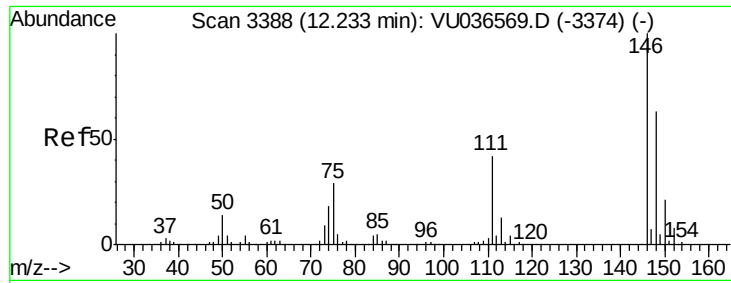
#65
 1,4-Dichlorobenzene
 Concen: 0.244 ug/L
 RT: 11.86 min Scan# 3272
 Delta R.T. 0.00 min
 Lab File: VU036573.D
 Acq: 28 Jan 2020 13:14

Tgt Ion:146 Resp: 4958
 Ion Ratio Lower Upper
 146 100
 111 38.8 27.2 50.6
 148 59.9 44.8 83.2



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

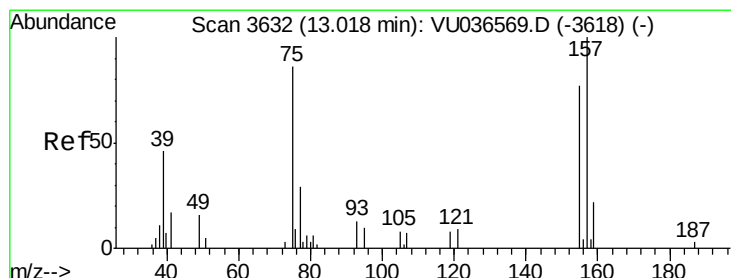
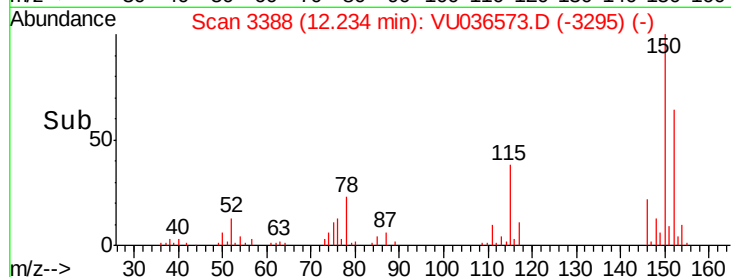
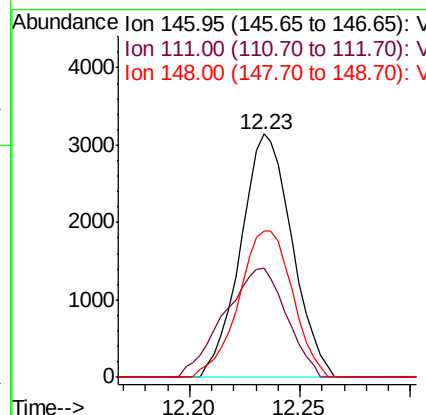
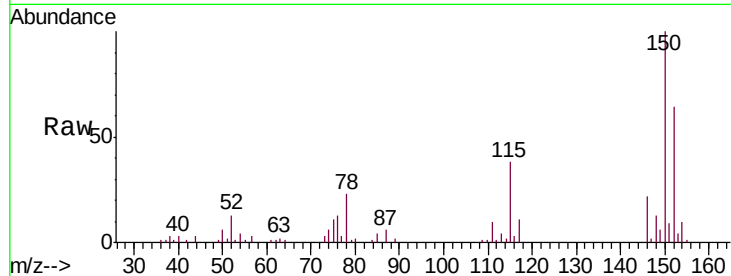




#67
 1,2-Dichlorobenzene
 Concen: 0.263 ug/L
 RT: 12.23 min Scan# 3388
 Delta R.T. 0.00 min
 Lab File: VU036573.D
 Acq: 28 Jan 2020 13:14

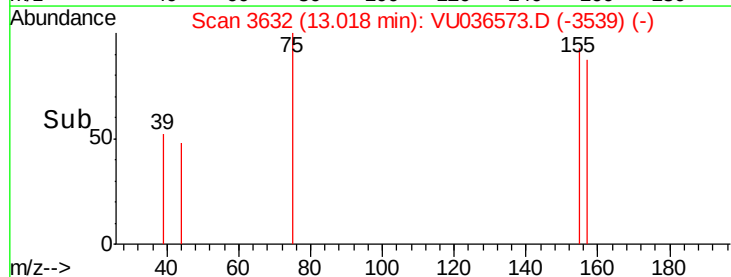
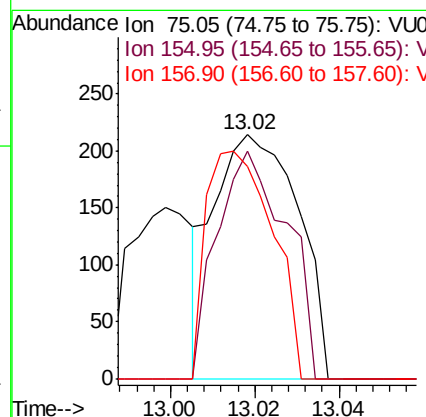
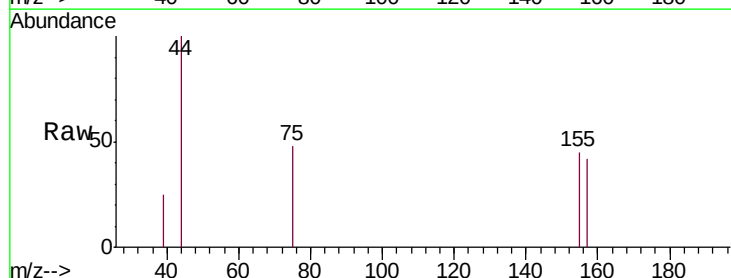
Instrument :
 MSVOA_U
 ClientSampleId :
 MDL07

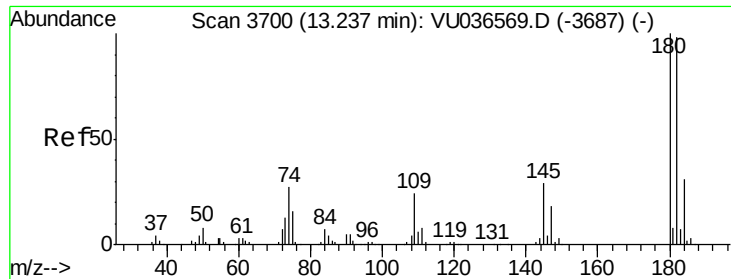
Tgt Ion:146 Resp: 5097
 Ion Ratio Lower Upper
 146 100
 111 44.6 33.4 50.0
 148 60.1 51.0 76.4



#68
 1,2-Dibromo-3-chloropropane
 Concen: 0.234 ug/L
 RT: 13.02 min Scan# 3632
 Delta R.T. 0.00 min
 Lab File: VU036573.D
 Acq: 28 Jan 2020 13:14

Tgt Ion: 75 Resp: 297
 Ion Ratio Lower Upper
 75 100
 155 93.5 64.2 96.4
 157 86.9 85.1 127.7

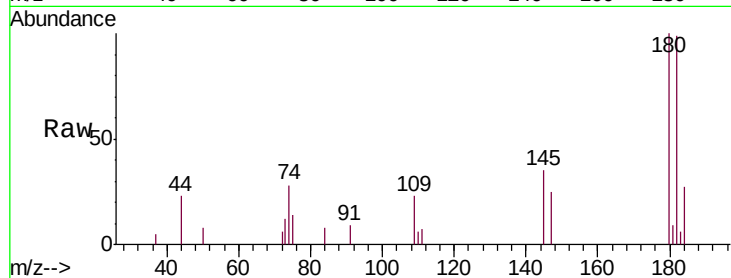




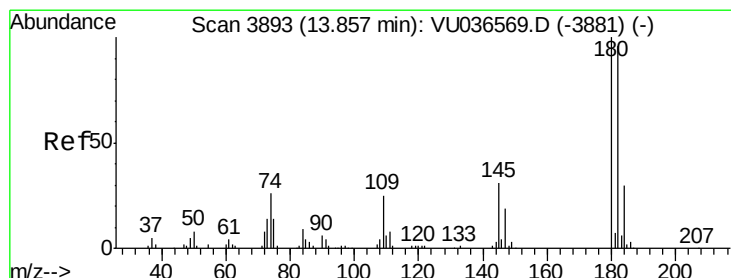
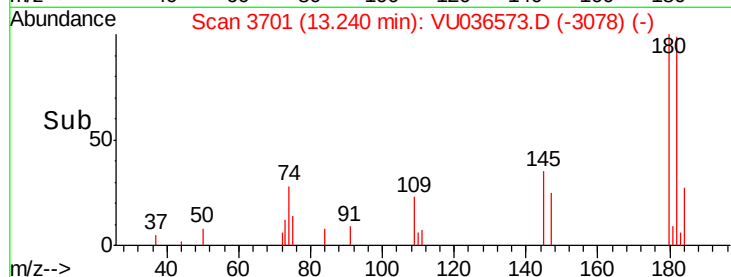
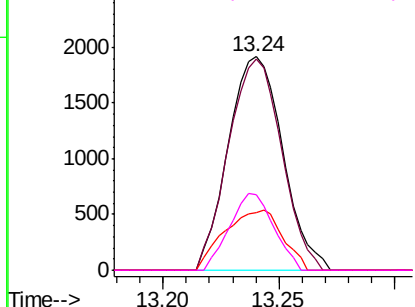
#69
 1,3,5-Trichlorobenzene
 Concen: 0.201 ug/L
 RT: 13.24 min Scan# 3701
 Delta R.T. 0.00 min
 Lab File: VU036573.D
 Acq: 28 Jan 2020 13:14

Instrument :
 MSVOA_U
 ClientSampleId :
 MDL07

Tgt Ion:180 Resp: 3131
 Ion Ratio Lower Upper
 180 100
 182 96.0 75.2 112.8
 184 29.8 23.9 35.9
 145 28.9 22.7 34.1

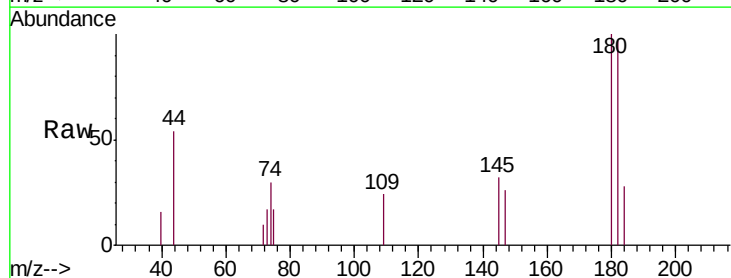


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

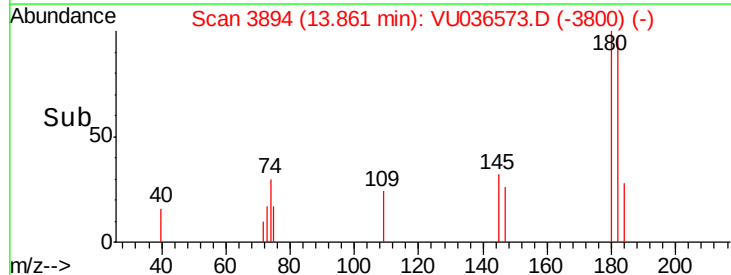
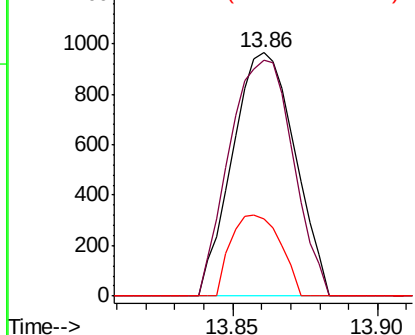


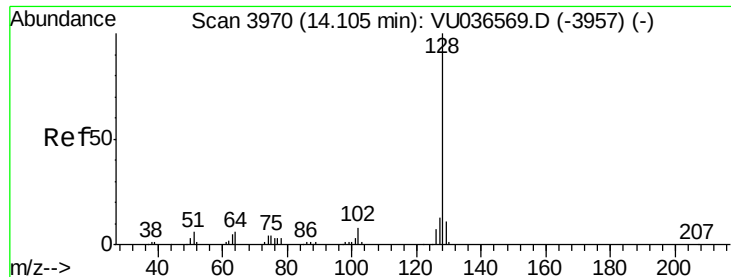
#70
 1,2,4-trichlorobenzene
 Concen: 0.127 ug/L
 RT: 13.86 min Scan# 3894
 Delta R.T. 0.00 min
 Lab File: VU036573.D
 Acq: 28 Jan 2020 13:14

Tgt Ion:180 Resp: 1442
 Ion Ratio Lower Upper
 180 100
 182 99.2 76.2 114.4
 145 26.4 23.9 35.9



Abundance Ion 179.90 (179.60 to 180.60): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 144.95 (144.65 to 145.65): V

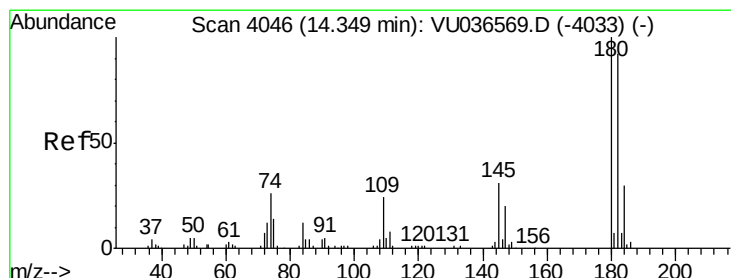
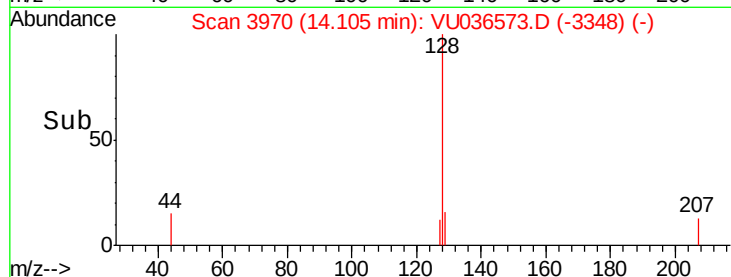
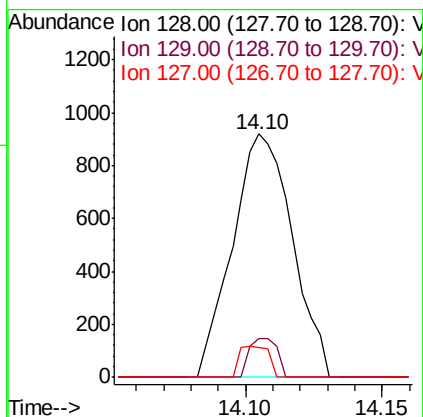
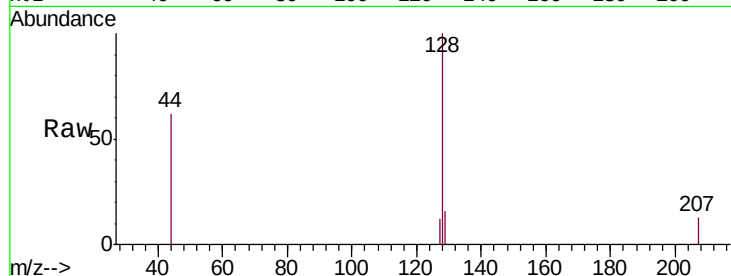




#71
Naphthalene
Concen: 0.086 ug/L
RT: 14.10 min Scan# 3970
Delta R.T. 0.00 min
Lab File: VU036573.D
Acq: 28 Jan 2020 13:14

Instrument :
MSVOA_U
ClientSampleId :
MDL07

Tgt Ion:128 Resp: 1399
Ion Ratio Lower Upper
128 100
129 7.2 8.4 12.6#
127 6.2 9.9 14.9#



#72
1,2,3-Trichlorobenzene
Concen: 0.146 ug/L
RT: 14.35 min Scan# 4046
Delta R.T. 0.00 min
Lab File: VU036573.D
Acq: 28 Jan 2020 13:14

Tgt Ion:180 Resp: 1498
Ion Ratio Lower Upper
180 100
182 78.2 76.2 114.2
145 25.0 25.6 38.4#

