

Data File : VU036566.D
Acq On : 27 Jan 2020 14:24
Operator : JC/MD
Sample : MDL05
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
MDL05

Quant Time: Jan 28 01:21:07 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SFAMUTR012420WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Tue Jan 28 01:18:12 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.29	114	147686	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.45	117	139198	5.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.84	152	66697	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	36905	4.54	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	90.80%
7) Chloroethane-d5	1.93	69	36567	4.97	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	99.40%
11) 1,1-Dichloroethene-d2	2.59	65	16695	4.99	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	99.80%
20) 2-Butanone-d5	4.69	46	108177	60.46	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	120.92%
24) Chloroform-d	5.11	84	76302	4.97	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	99.40%
26) 1,2-Dichloroethane-d4	5.75	65	41598	5.21	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	104.20%
32) Benzene-d6	5.77	84	169648	5.12	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	102.40%
36) 1,2-Dichloropropane-d6	6.73	67	54864	5.34	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	106.80%
41) Toluene-d8	7.93	98	162800	5.03	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	100.60%
43) trans-1,3-Dichloropropene-	8.21	79	21384	5.24	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	104.80%
46) 2-Hexanone-d5	8.67	63	107827	56.90	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	113.80%
56) 1,1,2,2-Tetrachloroethane-	10.78	84	45306	5.46	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	109.20%
66) 1,2-Dichlorobenzene-d4	12.21	152	61169	5.28	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	105.60%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.40	85	2954	0.273 ug/L	91
3) Chloromethane	1.54	50	3184	0.278 ug/L	95
5) Vinyl chloride	1.62	62	3537	0.285 ug/L #	79
6) Bromomethane	1.87	94	2099	0.291 ug/L	95
8) Chloroethane	1.95	64	2388	0.311 ug/L	92
9) Trichlorofluoromethane	2.16	101	3797	0.263 ug/L	97
10) 1,1,2-Trichloro-1,2,2-trif	2.60	101	2774	0.312 ug/L	90
12) 1,1-Dichloroethene	2.60	96	2850	0.323 ug/L #	1
13) Acetone	2.68	43	7073	5.303 ug/L	96
14) Carbon disulfide	2.82	76	7912	0.285 ug/L	99
15) Methyl Acetate	3.00	43	971	0.285 ug/L #	46
16) Methylene chloride	3.08	84	5044	0.420 ug/L	93
17) Methyl tert-butyl Ether	3.41	73	6030	0.272 ug/L	98
18) trans-1,2-Dichloroethene	3.39	96	2541	0.268 ug/L	92
19) 1,1-Dichloroethane	3.92	63	4453	0.269 ug/L	98
21) 2-Butanone	4.77	43	6871	3.186 ug/L	98
22) cis-1,2-Dichloroethene	4.71	96	2640	0.250 ug/L	87

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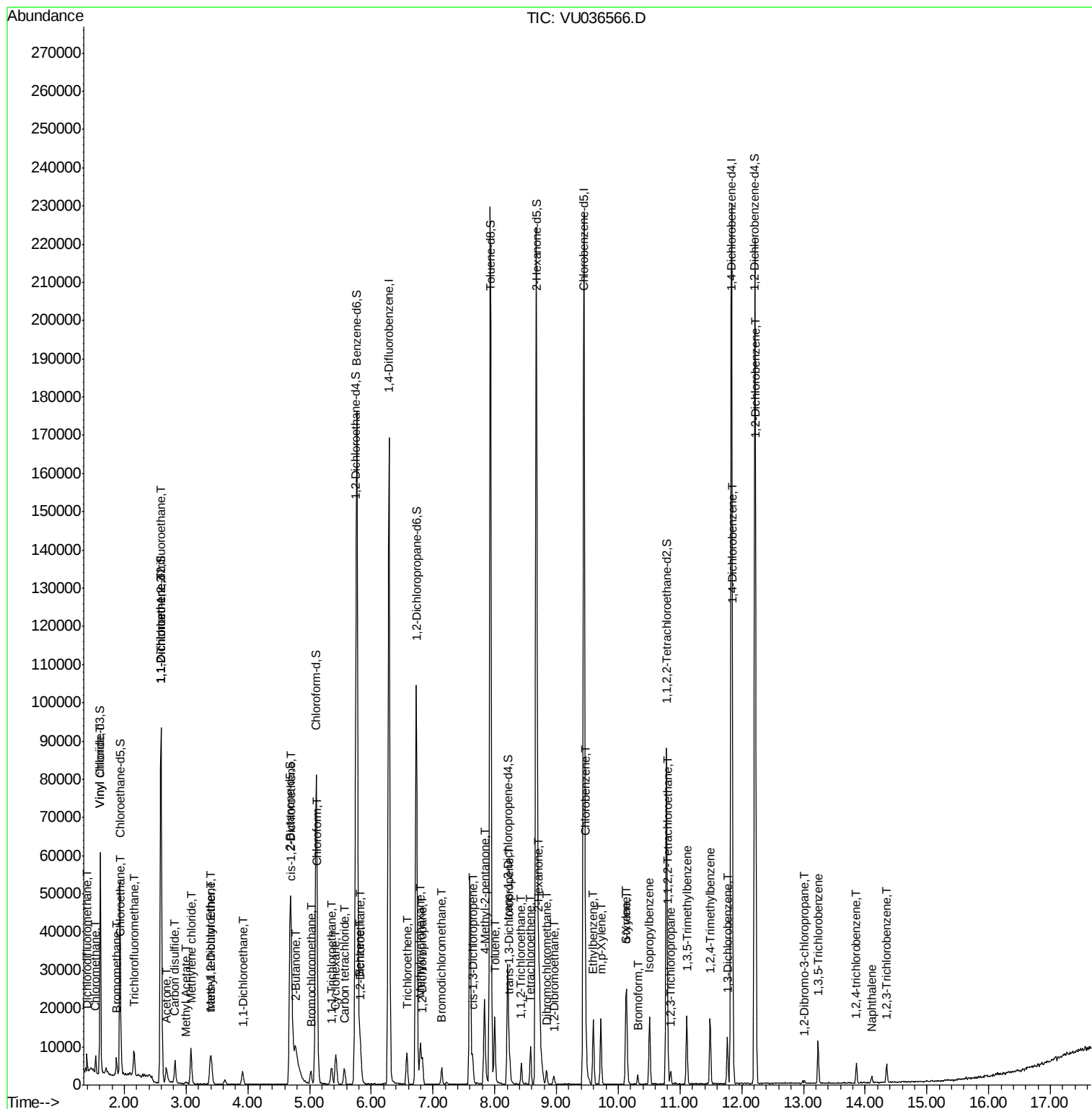
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	5.03	128	1238	0.278	ug/L	94
25) Chloroform	5.13	83	5041	0.306	ug/L	97
27) 1,2-Dichloroethane	5.84	62	2879	0.278	ug/L #	92
29) 1,1,1-Trichloroethane	5.36	97	3302	0.238	ug/L	97
30) Cyclohexane	5.43	56	4087	0.258	ug/L	93
31) Carbon tetrachloride	5.57	117	3050	0.259	ug/L	99
33) Benzene	5.81	78	11051	0.283	ug/L	100
34) Trichloroethene	6.58	95	2808	0.271	ug/L	93
35) Methylcyclohexane	6.80	83	4976	0.280	ug/L	94
37) 1,2-Dichloropropane	6.83	63	2634	0.271	ug/L #	88
38) Bromodichloromethane	7.14	83	3177	0.267	ug/L	99
39) cis-1,3-Dichloropropene	7.64	75	4205	0.280	ug/L	99
40) 4-Methyl-2-pentanone	7.83	43	16646	3.043	ug/L #	87
42) Toluene	8.00	91	12858	0.298	ug/L	96
44) trans-1,3-Dichloropropene	8.24	75	3968	0.344	ug/L #	80
45) 1,1,2-Trichloroethane	8.43	97	2014	0.280	ug/L	91
47) Tetrachloroethene	8.58	164	2413	0.286	ug/L	79
48) 2-Hexanone	8.72	43	11385	3.017	ug/L	90
49) Dibromochloromethane	8.84	129	2106	0.256	ug/L	98
50) 1,2-Dibromoethane	8.96	107	1876	0.268	ug/L #	98
51) Chlorobenzene	9.48	112	7664	0.276	ug/L	93
52) Ethylbenzene	9.60	91	12970	0.276	ug/L	99
53) m,p-Xylene	9.72	106	5200	0.285	ug/L	84
54) o-Xylene	10.12	106	4951	0.277	ug/L	90
55) Styrene	10.14	104	8089	0.276	ug/L	96
57) 1,1,2,2-Tetrachloroethane	10.81	83	2488	0.276	ug/L	93
59) Bromoform	10.32	173	1136	0.254	ug/L #	91
60) Isopropylbenzene	10.51	105	12510	0.277	ug/L	99
61) 1,2,3-Trichloropropane	10.85	75	1772	0.285	ug/L	98
62) 1,3,5-Trimethylbenzene	11.11	105	10528	0.272	ug/L	100
63) 1,2,4-Trimethylbenzene	11.49	105	9772	0.255	ug/L	94
64) 1,3-Dichlorobenzene	11.77	146	5900	0.281	ug/L	97
65) 1,4-Dichlorobenzene	11.86	146	5869	0.279	ug/L	99
67) 1,2-Dichlorobenzene	12.23	146	5799	0.289	ug/L	93
68) 1,2-Dibromo-3-chloropropan	13.01	75	498	0.379	ug/L #	80
69) 1,3,5-Trichlorobenzene	13.24	180	4116	0.255	ug/L	96
70) 1,2,4-trichlorobenzene	13.86	180	2021	0.172	ug/L	97
71) Naphthalene	14.11	128	2026	0.121	ug/L #	86
72) 1,2,3-Trichlorobenzene	14.35	180	1913	0.180	ug/L	92

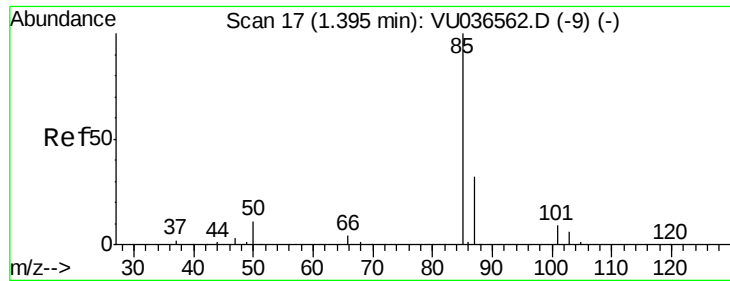
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 0.273 ug/L

RT: 1.40 min Scan# 17

Delta R.T. 0.00 min

Lab File: VU036566.D

Acq: 27 Jan 2020 14:24

Instrument :

MSVOA_U

ClientSampleId :

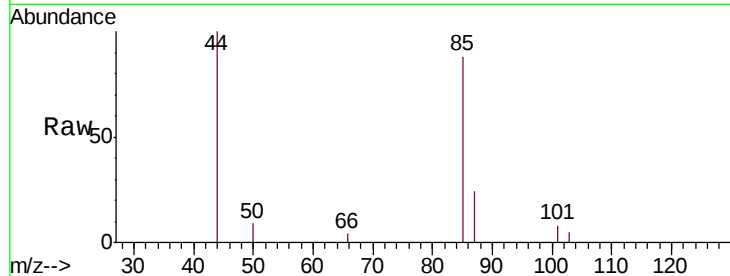
MDL05

Tgt Ion: 85 Resp: 2954

Ion Ratio Lower Upper

85 100

87 27.4 26.0 39.0



Abundance Ion 85.00 (84.70 to 85.70): VU036566.D (-9) (-)

Ion 87.00 (86.70 to 87.70): VU036566.D (-9) (-)

1.40

3000

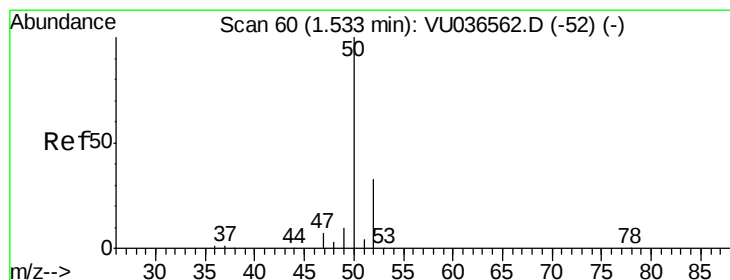
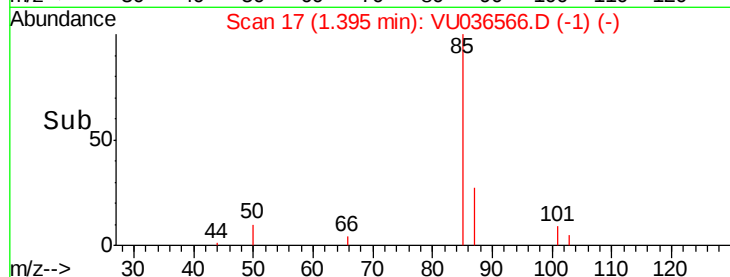
2000

1000

0

1.36 1.38 1.40 1.42

Time-->



#3

Chloromethane

Concen: 0.278 ug/L

RT: 1.54 min Scan# 61

Delta R.T. 0.00 min

Lab File: VU036566.D

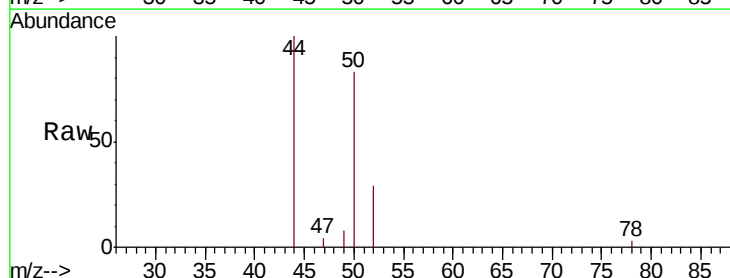
Acq: 27 Jan 2020 14:24

Tgt Ion: 50 Resp: 3184

Ion Ratio Lower Upper

50 100

52 35.1 22.7 42.3



Abundance Ion 50.05 (49.75 to 50.75): VU036566.D (-1) (-)

Ion 52.05 (51.75 to 52.75): VU036566.D (-1) (-)

1.54

3000

2500

2000

1500

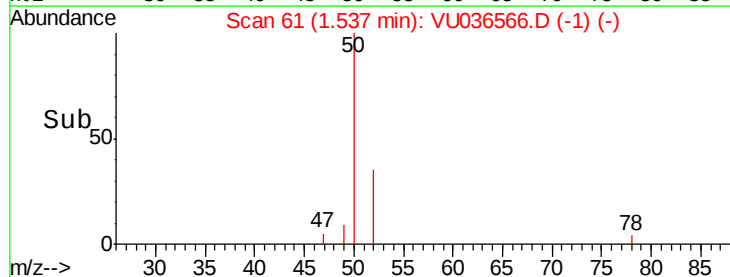
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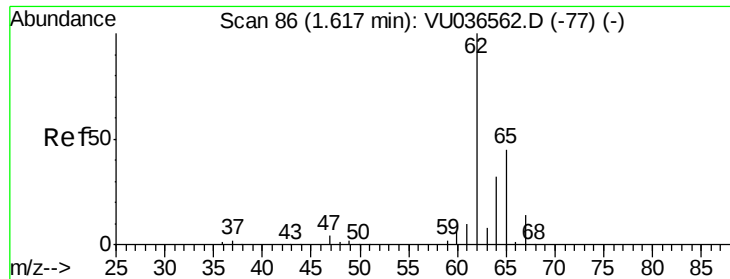
500

0

1.50 1.52 1.54 1.56

Time-->





#5

Vinyl chloride

Concen: 0.285 ug/L

RT: 1.62 min Scan# 86

Delta R.T. 0.00 min

Lab File: VU036566.D

Acq: 27 Jan 2020 14:24

Instrument :

MSVOA_U

ClientSampleId :

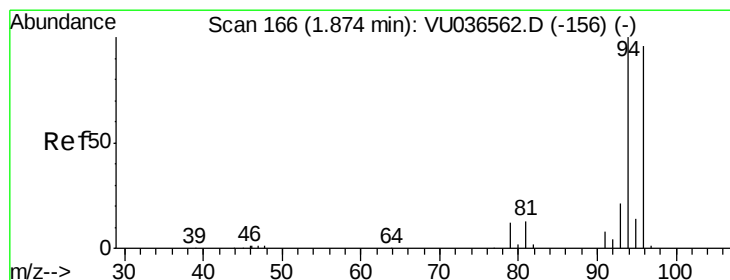
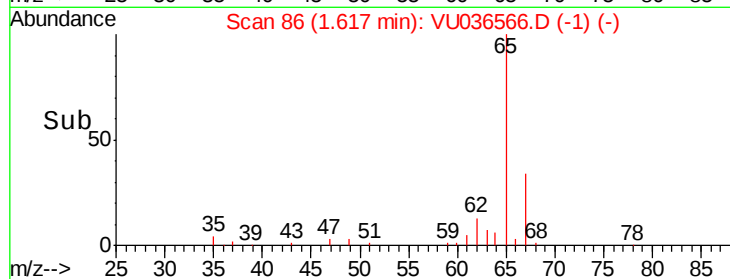
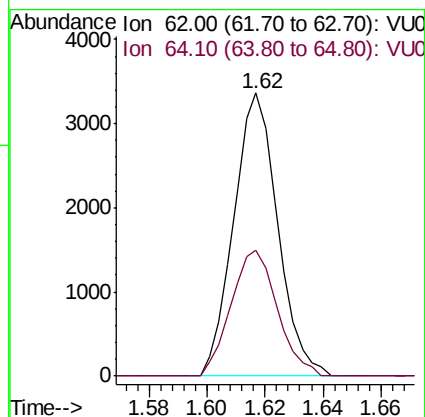
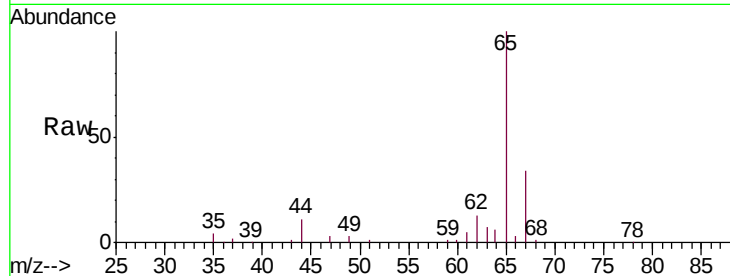
MDL05

Tgt Ion: 62 Resp: 3537

Ion Ratio Lower Upper

62 100

64 44.3 22.6 42.0#



#6

Bromomethane

Concen: 0.291 ug/L

RT: 1.87 min Scan# 166

Delta R.T. 0.00 min

Lab File: VU036566.D

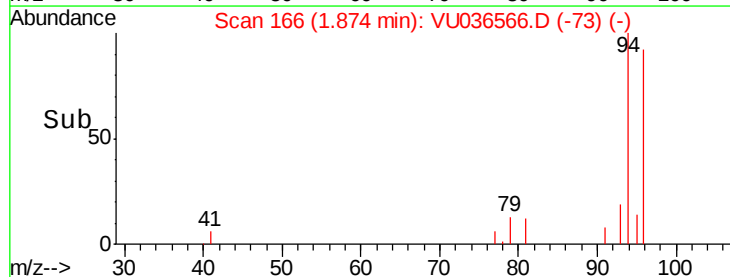
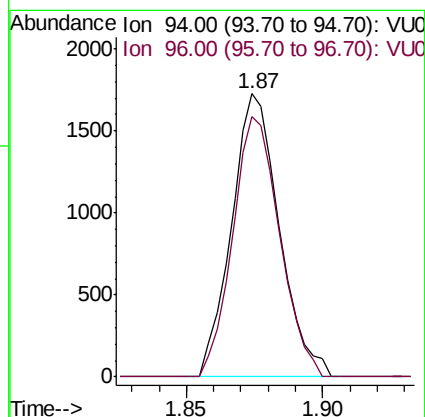
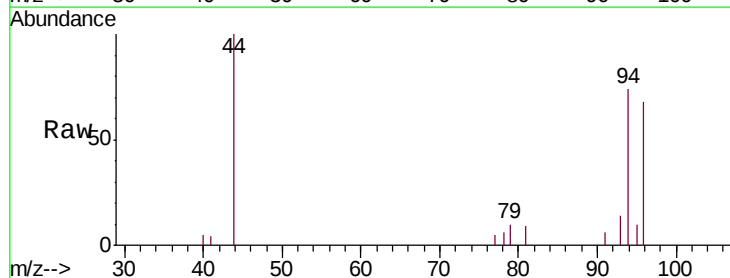
Acq: 27 Jan 2020 14:24

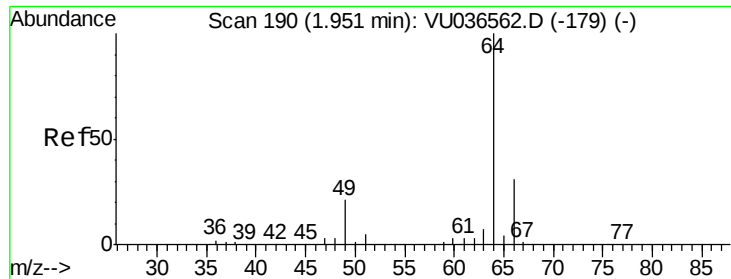
Tgt Ion: 94 Resp: 2099

Ion Ratio Lower Upper

94 100

96 91.8 67.6 125.6

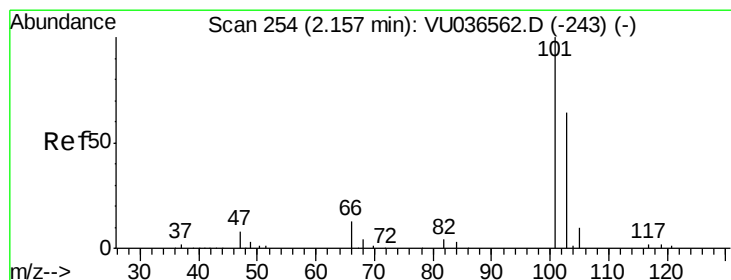
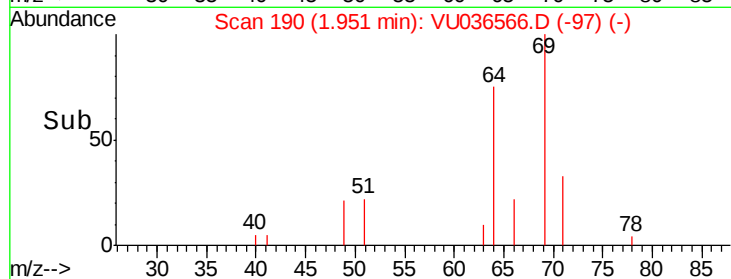
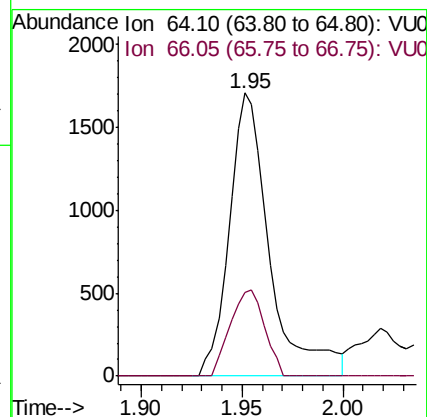
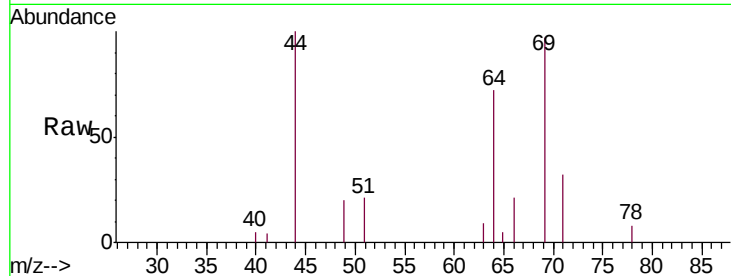




#8
Chloroethane
Concen: 0.311 ug/L
RT: 1.95 min Scan# 190
Delta R.T. 0.00 min
Lab File: VU036566.D
Acq: 27 Jan 2020 14:24

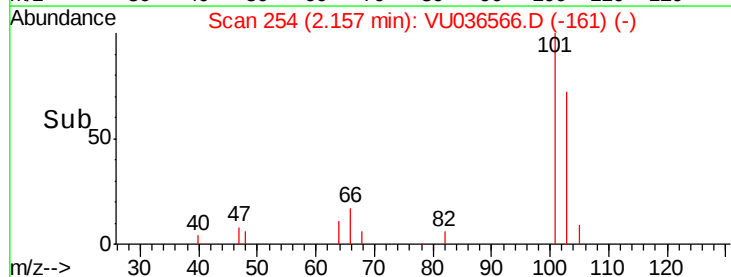
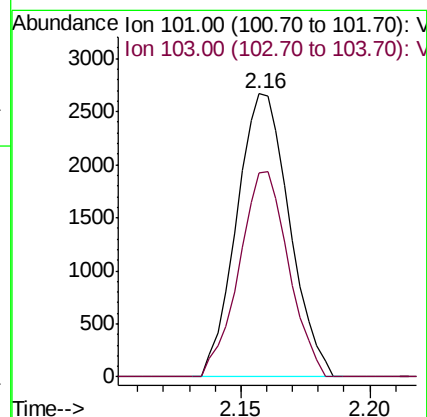
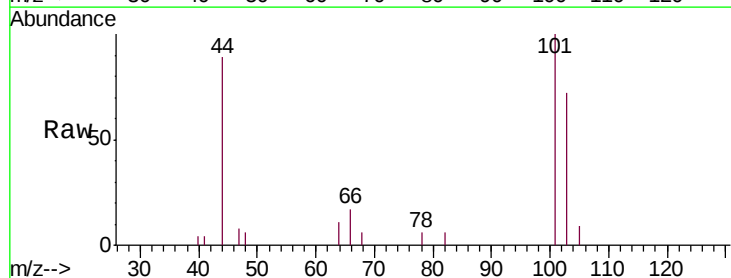
Instrument :
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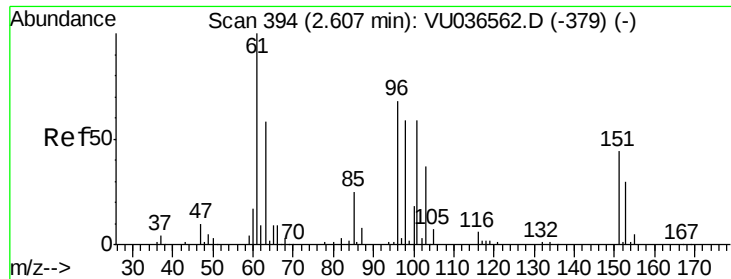
Tgt Ion: 64 Resp: 2388
Ion Ratio Lower Upper
64 100
66 29.6 24.1 44.8



#9
Trichlorofluoromethane
Concen: 0.263 ug/L
RT: 2.16 min Scan# 254
Delta R.T. 0.00 min
Lab File: VU036566.D
Acq: 27 Jan 2020 14:24

Tgt Ion: 101 Resp: 3797
Ion Ratio Lower Upper
101 100
103 67.8 52.5 78.7





#10

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

Concen: 0.312 ug/L

RT: 2.60 min Scan# 393

Delta R.T. -0.00 min

Lab File: VU036566.D

Acq: 27 Jan 2020 14:24

Instrument :

MSVOA_U

ClientSampleId :

MDL05

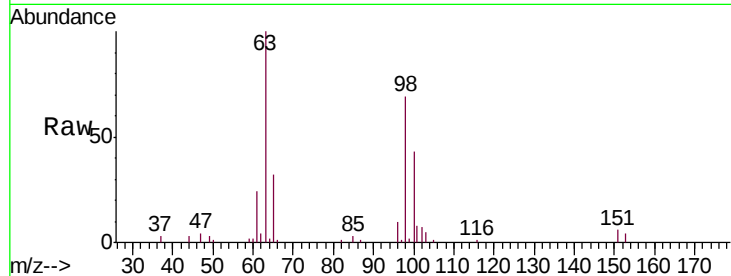
Tgt Ion:101 Resp: 2774

Ion Ratio Lower Upper

101 100

85 36.7 32.2 48.4

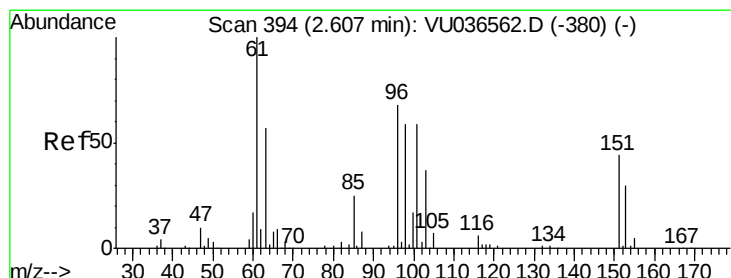
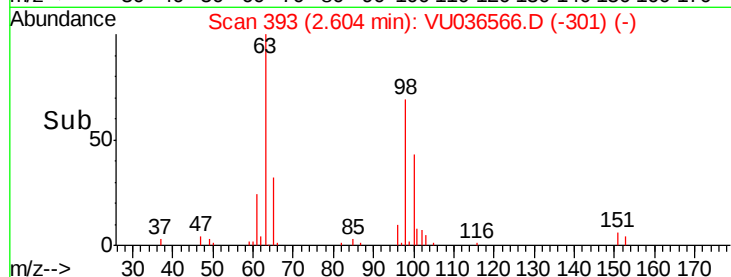
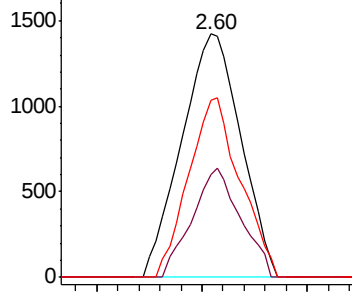
151 64.2 59.2 88.8



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: 0.323 ug/L

RT: 2.60 min Scan# 393

Delta R.T. -0.00 min

Lab File: VU036566.D

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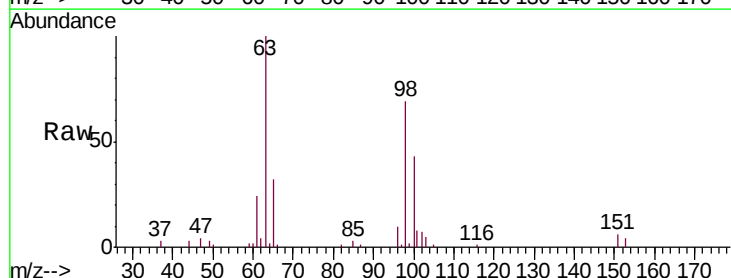
Tgt Ion: 96 Resp: 2850

Ion Ratio Lower Upper

96 100

61 231.9 108.2 201.0#

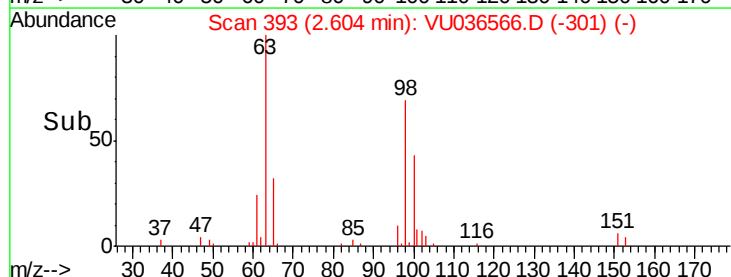
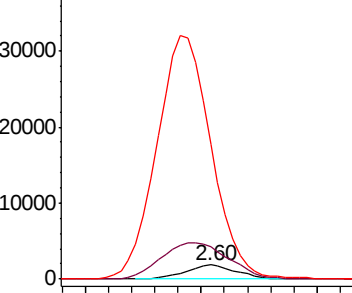
63 973.1 72.0 133.8#

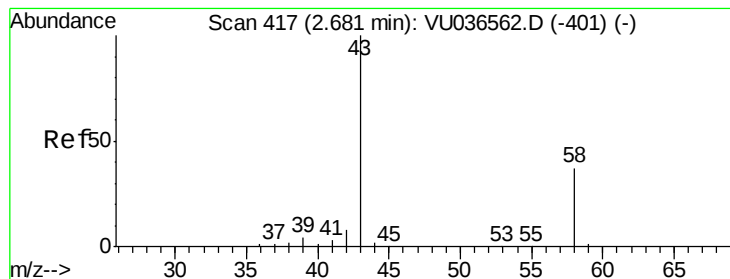


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 5.303 ug/L

RT: 2.68 min Scan# 416

Delta R.T. -0.00 min

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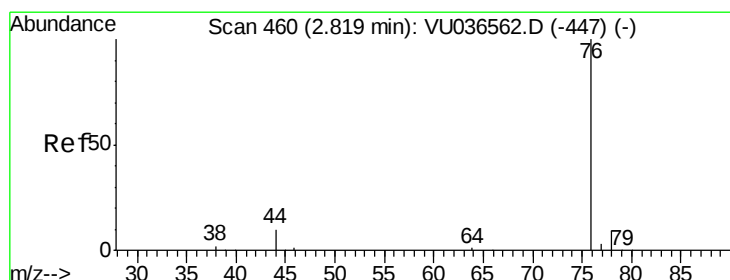
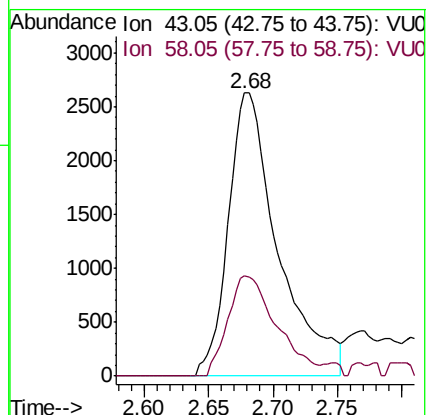
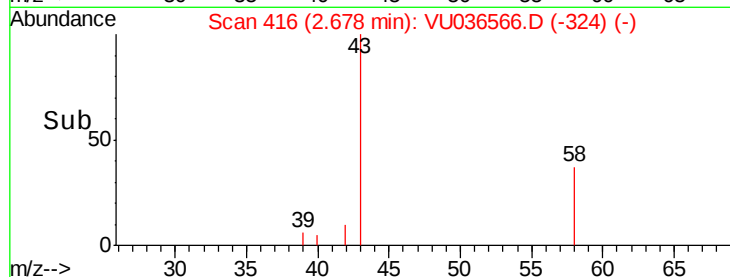
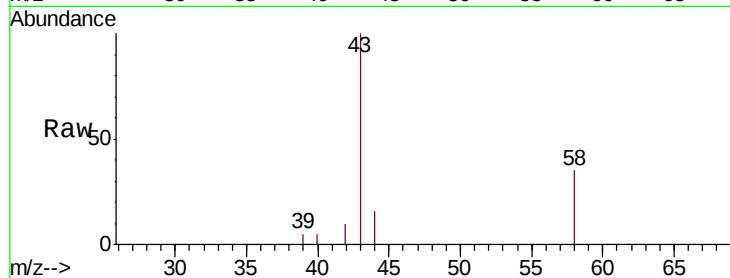
MDL05

Tgt Ion: 43 Resp: 7073

Ion Ratio Lower Upper

43 100

58 34.6 0.0 74.0



#14

Carbon disulfide

Concen: 0.285 ug/L

RT: 2.82 min Scan# 461

Delta R.T. 0.00 min

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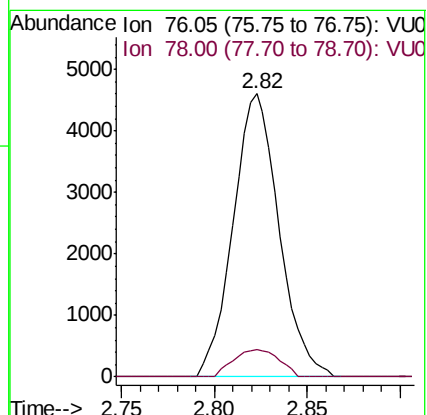
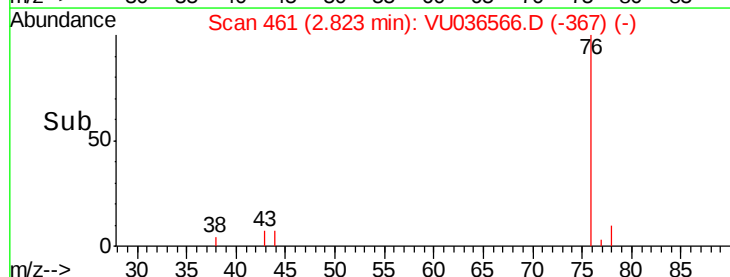
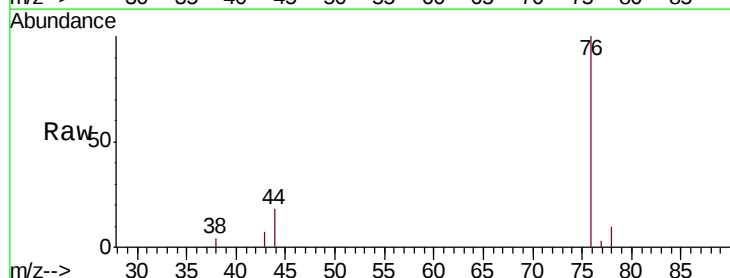
Acq: 27 Jan 2020 14:24

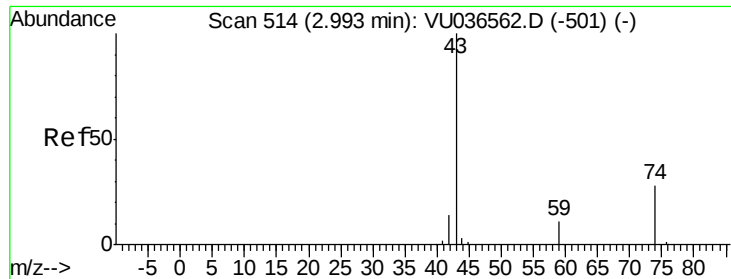
Tgt Ion: 76 Resp: 7912

Ion Ratio Lower Upper

76 100

78 9.6 7.5 11.3





#15

Methyl Acetate

Concen: 0.285 ug/L

RT: 3.00 min Scan# 515

Delta R.T. 0.00 min

Lab File: VU036566.D

Acq: 27 Jan 2020 14:24

Instrument :

MSVOA_U

ClientSampled :

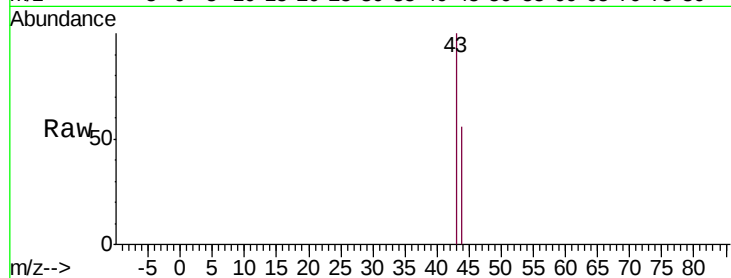
MDL05

Tgt Ion: 43 Resp: 971

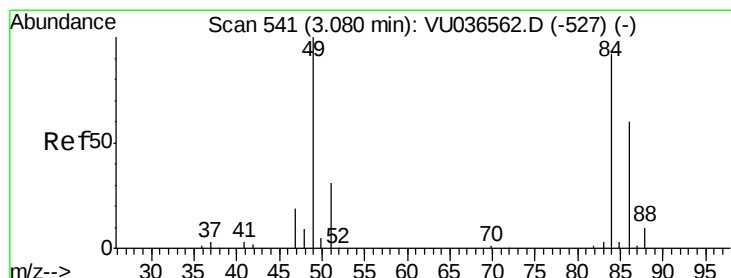
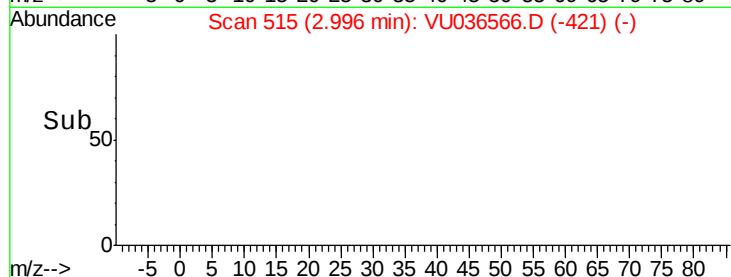
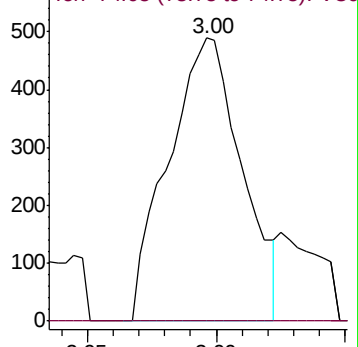
Ion Ratio Lower Upper

43 100

74 0.0 22.7 34.1#



Abundance Ion 43.05 (42.75 to 43.75): VU036566.D (-421) (-)



#16

Methylene chloride

Concen: 0.420 ug/L

RT: 3.08 min Scan# 541

Delta R.T. 0.00 min

Lab File: VU036566.D

Acq: 27 Jan 2020 14:24

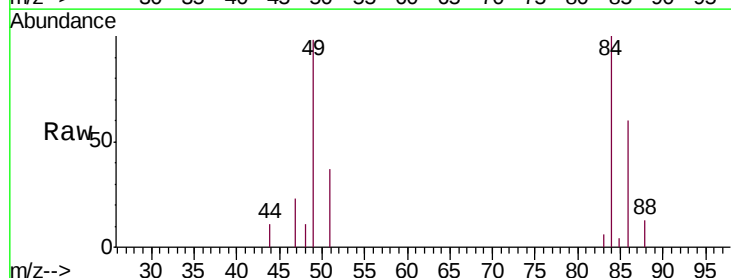
Tgt Ion: 84 Resp: 5044

Ion Ratio Lower Upper

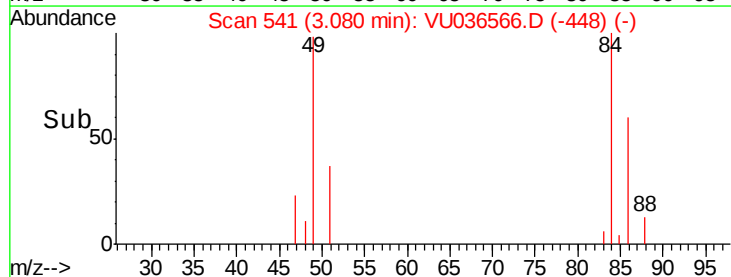
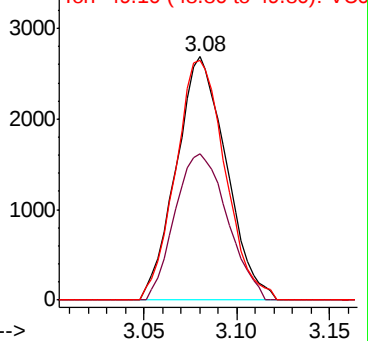
84 100

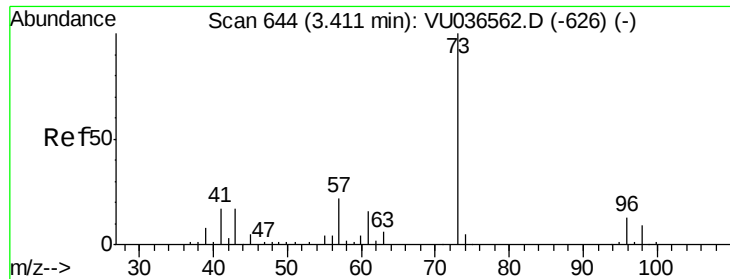
86 59.9 44.8 83.2

49 98.5 74.8 139.0



Abundance Ion 84.05 (83.75 to 84.75): VU036566.D (-448) (-)





#17

Methyl tert-butyl Ether

Concen: 0.272 ug/L

RT: 3.41 min Scan# 644

Delta R.T. 0.00 min

Lab File: VU036566.D

Acq: 27 Jan 2020 14:24

Instrument :

MSVOA_U

ClientSampleId :

MDL05

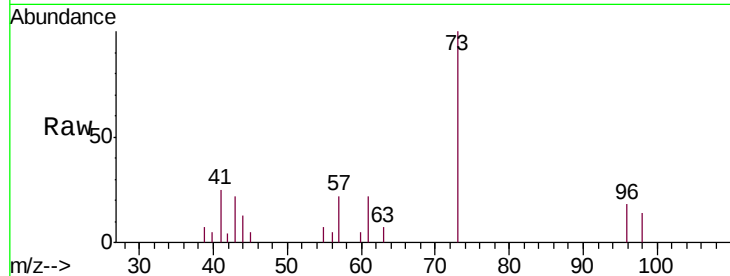
Tgt Ion: 73 Resp: 6030

Ion Ratio Lower Upper

73 100

43 18.5 14.6 21.8

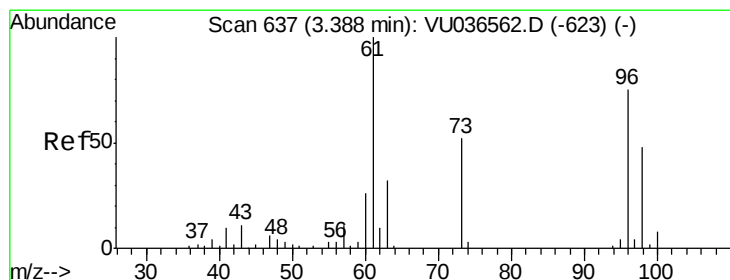
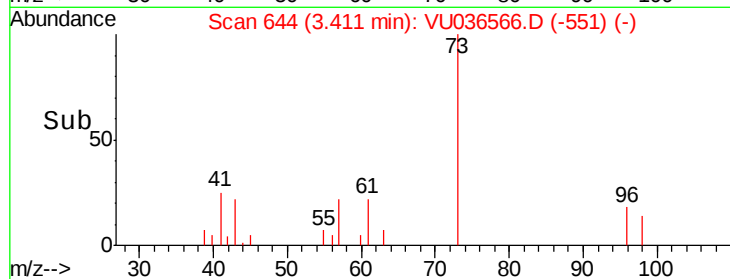
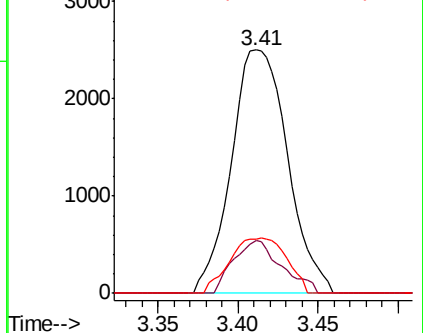
57 22.8 17.0 25.6



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: 0.268 ug/L

RT: 3.39 min Scan# 637

Delta R.T. 0.00 min

Lab File: VU036566.D

Acq: 27 Jan 2020 14:24

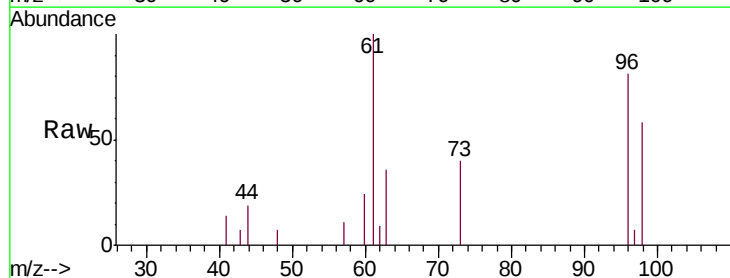
Tgt Ion: 96 Resp: 2541

Ion Ratio Lower Upper

96 100

61 124.1 93.1 172.9

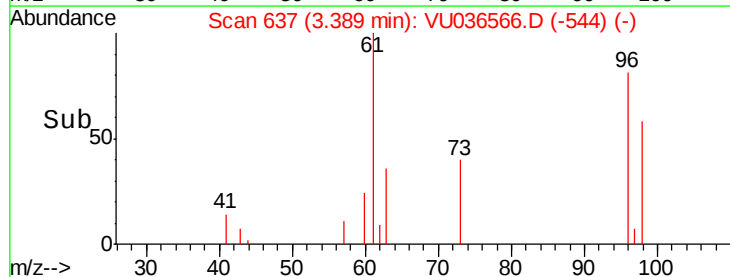
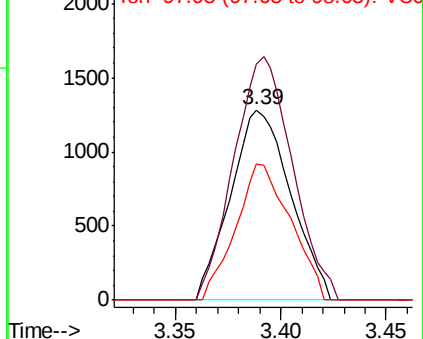
98 71.5 45.5 84.5

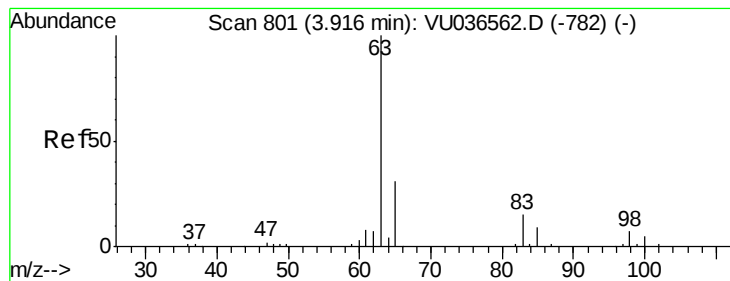


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 97.95 (97.65 to 98.65): VU0





#19

1,1-Dichloroethane

Concen: 0.269 ug/L

RT: 3.92 min Scan# 802

Delta R.T. 0.00 min

Lab File: VU036566.D

Acq: 27 Jan 2020 14:24

Instrument :

MSVOA_U

ClientSampleID :

MDL05

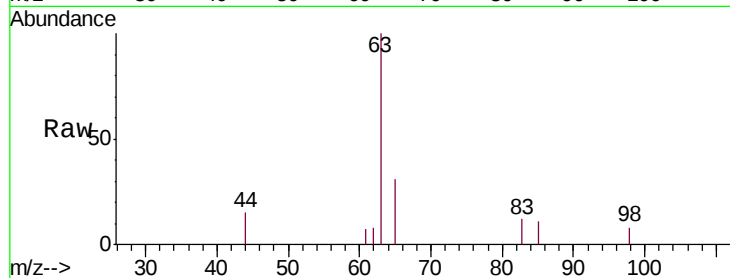
Tgt Ion: 63 Resp: 4453

Ion Ratio Lower Upper

63 100

65 30.7 21.8 40.6

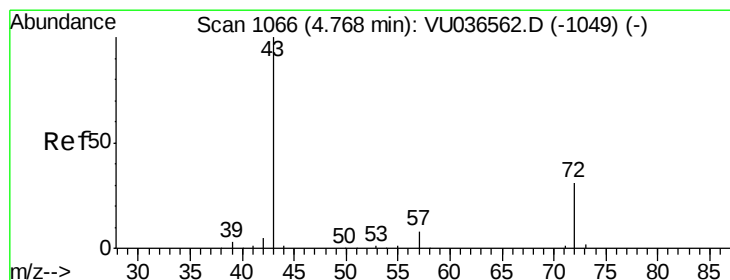
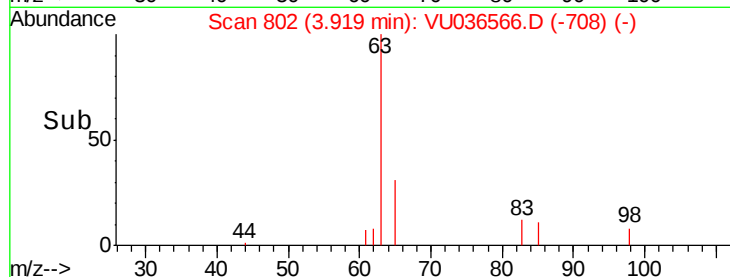
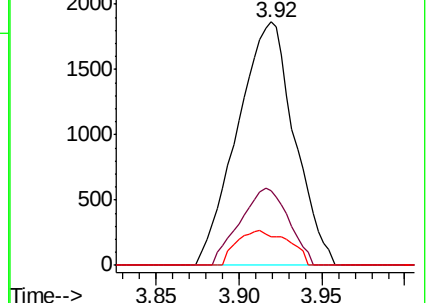
83 11.8 9.8 18.2



Abundance Ion 63.10 (62.80 to 63.80): VU036562.D (-782) (-)

Ion 65.10 (64.80 to 65.80): VU036562.D (-782) (-)

Ion 83.05 (82.75 to 83.75): VU036562.D (-782) (-)



#21

2-Butanone

Concen: 3.186 ug/L

RT: 4.77 min Scan# 1067

Delta R.T. 0.00 min

Lab File: VU036566.D

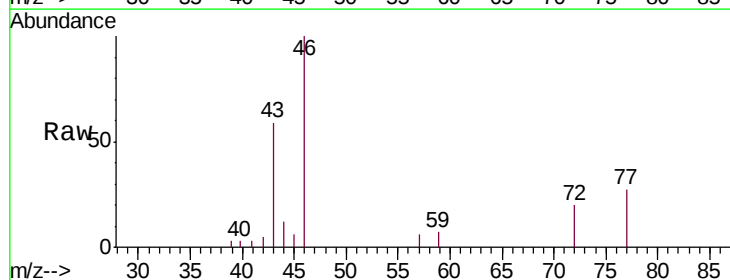
Acq: 27 Jan 2020 14:24

Tgt Ion: 43 Resp: 6871

Ion Ratio Lower Upper

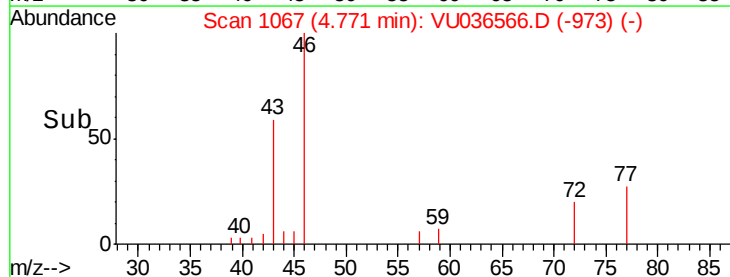
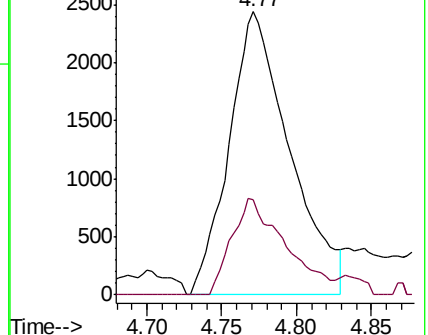
43 100

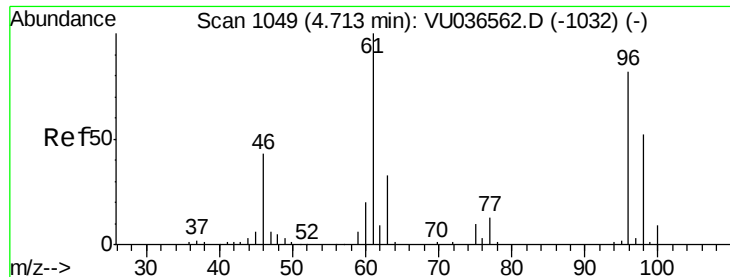
72 30.0 15.4 46.4



Abundance Ion 43.05 (42.75 to 43.75): VU036562.D (-1049) (-)

Ion 72.10 (71.80 to 72.80): VU036562.D (-1049) (-)





#22

cis-1,2-Dichloroethene

Concen: 0.250 ug/L

RT: 4.71 min Scan# 1049

Delta R.T. 0.00 min

Lab File: VU036566.D

Acq: 27 Jan 2020 14:24

Instrument :

MSVOA_U

ClientSampleId :

MDL05

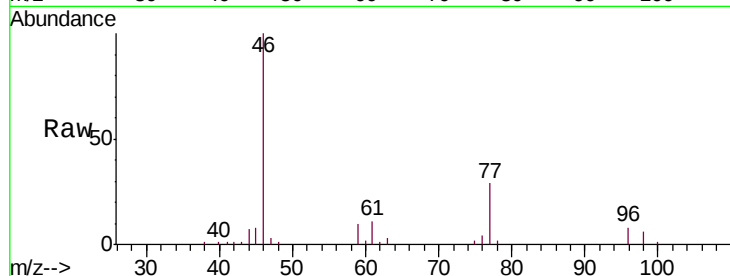
Tgt Ion: 96 Resp: 2640

Ion Ratio Lower Upper

96 100

61 132.4 83.0 154.1

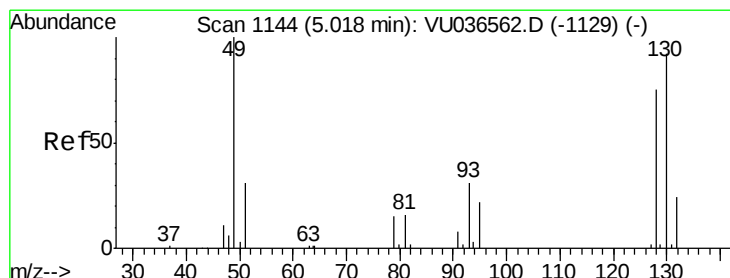
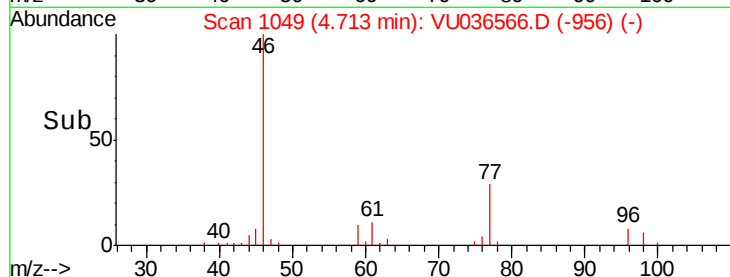
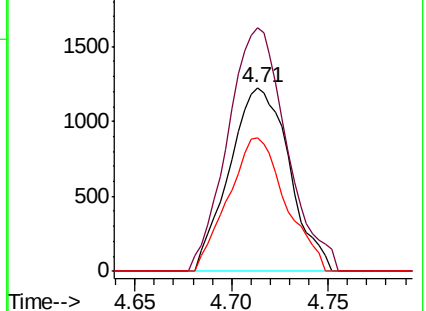
98 72.5 43.8 81.3



Abundance Ion 96.00 (95.70 to 96.70): VU036566.D (-956) (-)

Ion 61.05 (60.75 to 61.75): VU036566.D (-956) (-)

Ion 98.00 (97.70 to 98.70): VU036566.D (-956) (-)



#23

Bromochloromethane

Concen: 0.278 ug/L

RT: 5.03 min Scan# 1146

Delta R.T. 0.01 min

Lab File: VU036566.D

Acq: 27 Jan 2020 14:24

Tgt Ion: 128 Resp: 1238

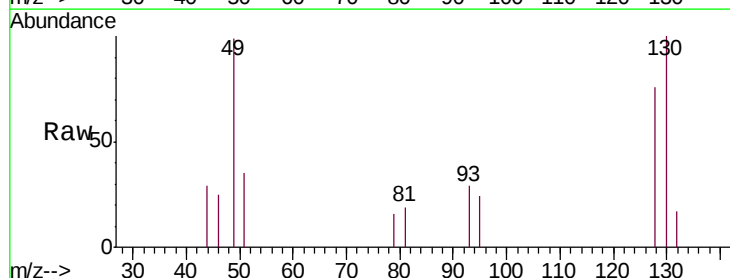
Ion Ratio Lower Upper

128 100

49 130.3 98.6 183.2

130 131.7 89.1 165.5

51 46.4 35.4 53.2

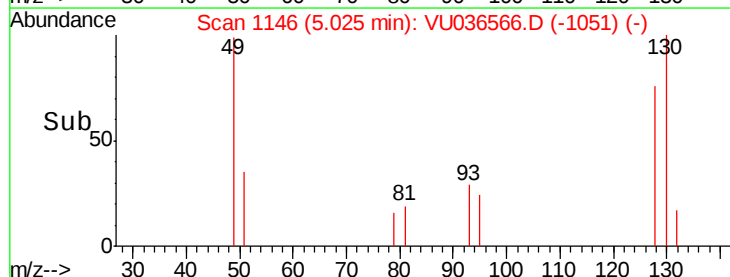
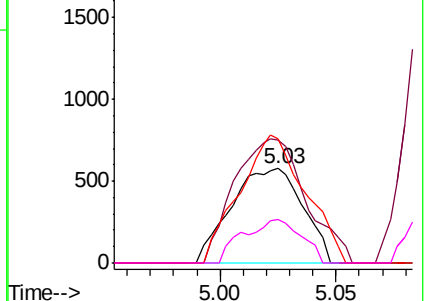


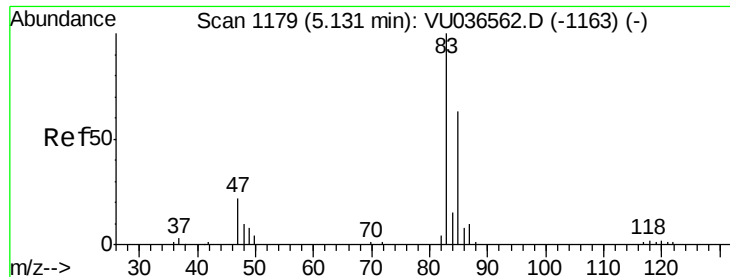
Abundance Ion 127.90 (127.60 to 128.60): VU036566.D (-1051) (-)

Ion 49.10 (48.80 to 49.80): VU036566.D (-1051) (-)

Ion 129.95 (129.65 to 130.65): VU036566.D (-1051) (-)

Ion 51.05 (50.75 to 51.75): VU036566.D (-1051) (-)

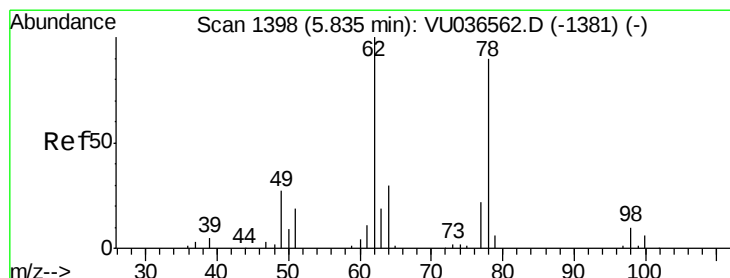
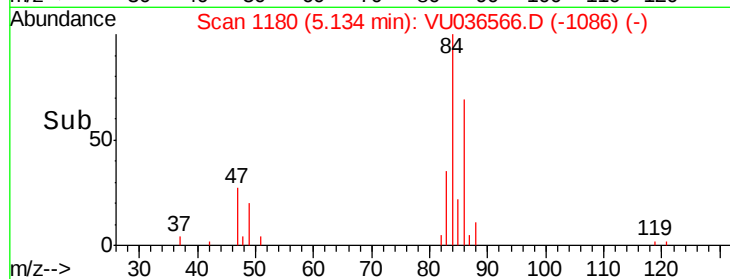
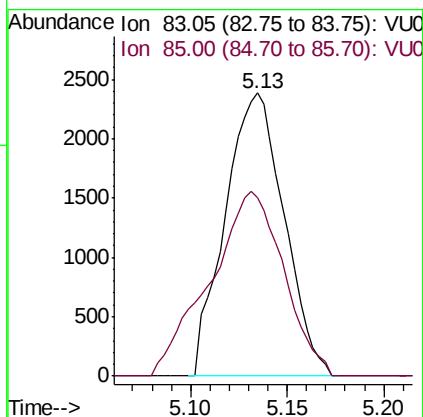
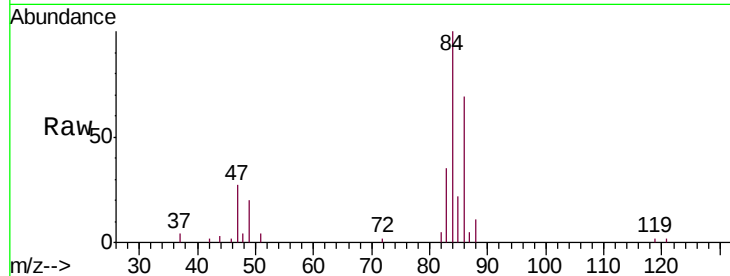




#25
Chloroform
Concen: 0.306 ug/L
RT: 5.13 min Scan# 1180
Delta R.T. 0.00 min
Lab File: VU036566.D
Acq: 27 Jan 2020 14:24

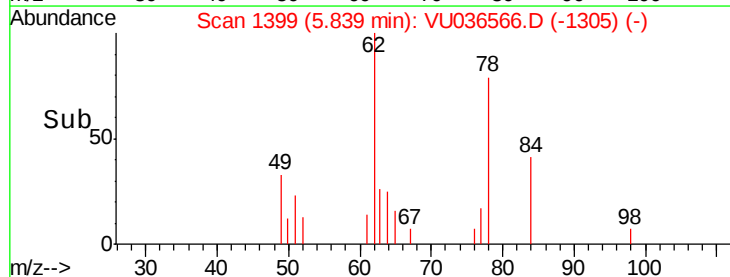
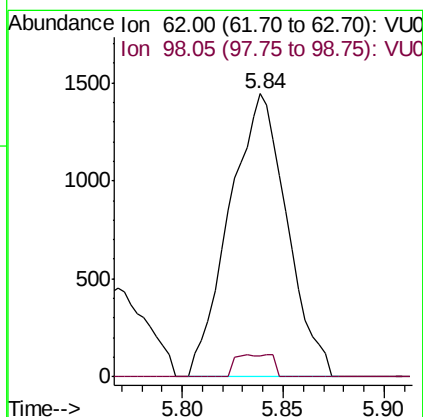
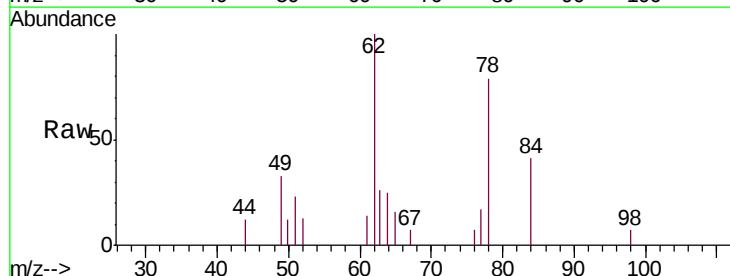
Instrument :
MSVOA_U
ClientSampleId :
MDL05

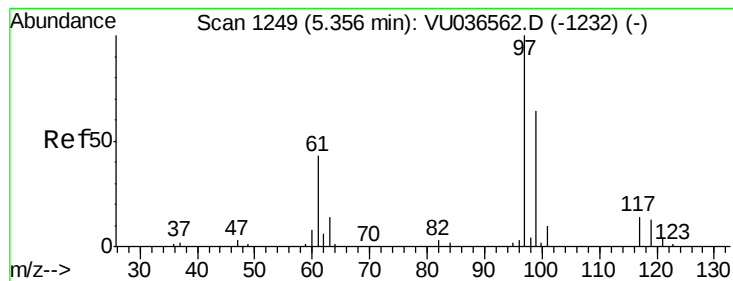
Tgt Ion: 83 Resp: 5041
Ion Ratio Lower Upper
83 100
85 63.2 45.7 84.9



#27
1,2-Dichloroethane
Concen: 0.278 ug/L
RT: 5.84 min Scan# 1399
Delta R.T. 0.00 min
Lab File: VU036566.D
Acq: 27 Jan 2020 14:24

Tgt Ion: 62 Resp: 2879
Ion Ratio Lower Upper
62 100
98 7.4 8.5 12.7#





#29

1,1,1-Trichloroethane

Concen: 0.238 ug/L

RT: 5.36 min Scan# 1249

Delta R.T. 0.00 min

Lab File: VU036566.D

Acq: 27 Jan 2020 14:24

Instrument :

MSVOA_U

ClientSampleId :

MDL05

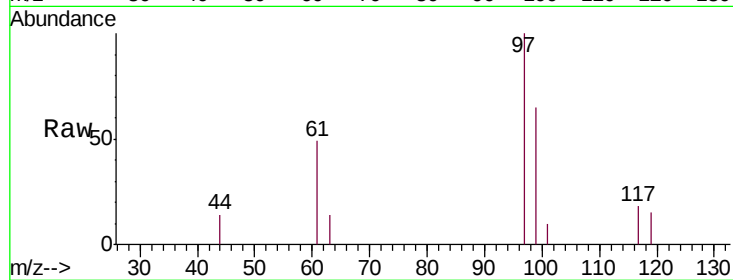
Tgt Ion: 97 Resp: 3302

Ion Ratio Lower Upper

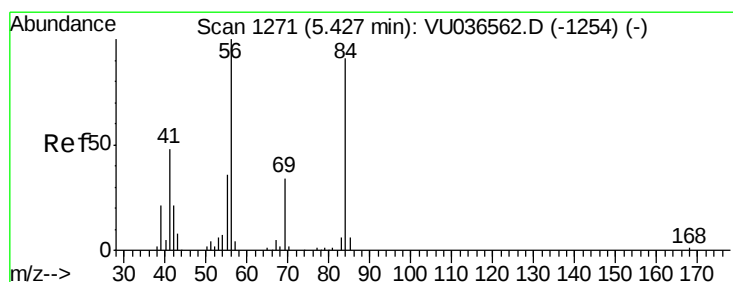
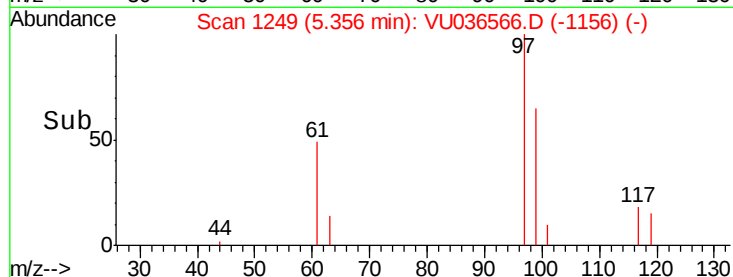
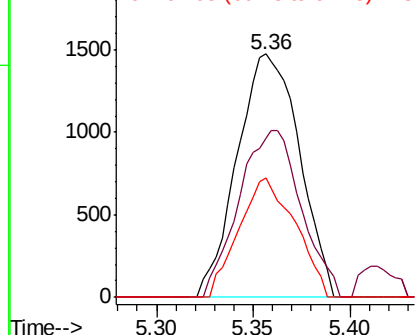
97 100

99 68.7 52.0 78.0

61 44.5 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: 0.258 ug/L

RT: 5.43 min Scan# 1272

Delta R.T. 0.00 min

Lab File: VU036566.D

Acq: 27 Jan 2020 14:24

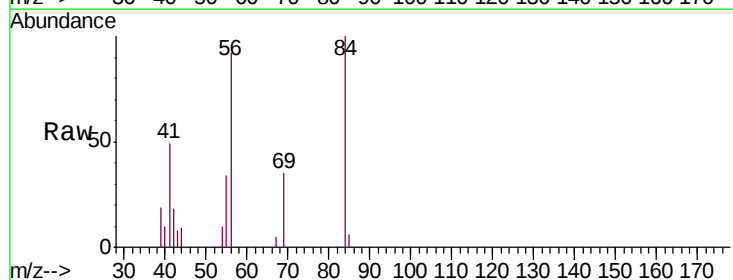
Tgt Ion: 56 Resp: 4087

Ion Ratio Lower Upper

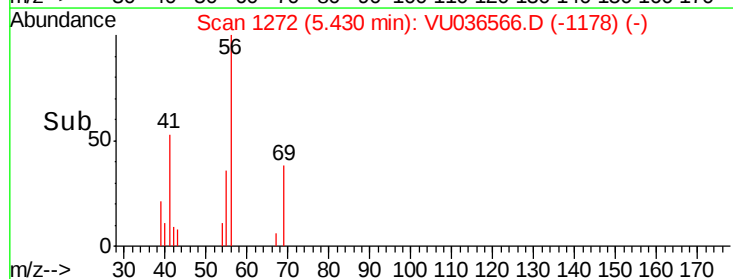
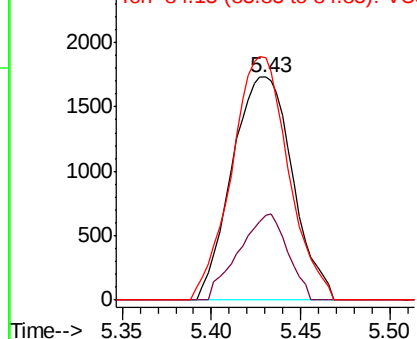
56 100

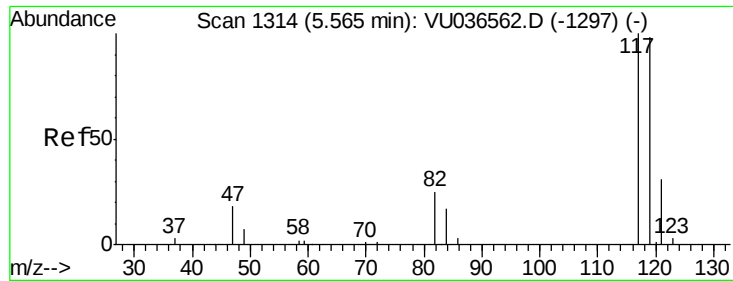
69 31.2 25.7 38.5

84 102.4 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: 0.259 ug/L

RT: 5.57 min Scan# 1314

Delta R.T. 0.00 min

Lab File: VU036566.D

Acq: 27 Jan 2020 14:24

Instrument :

MSVOA_U

ClientSampleId :

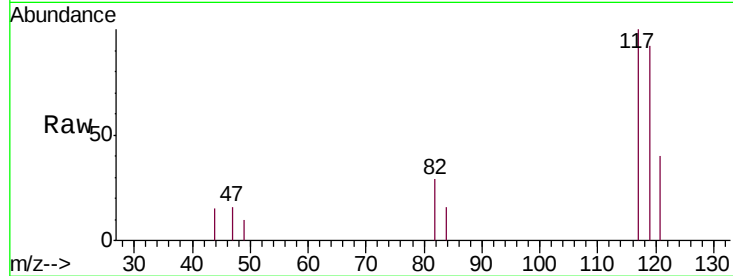
MDL05

Tgt Ion:117 Resp: 3050

Ion Ratio Lower Upper

117 100

119 94.3 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

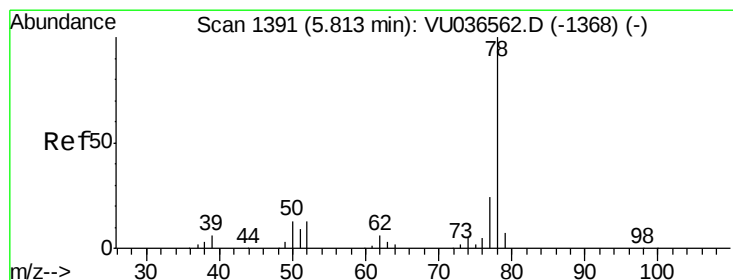
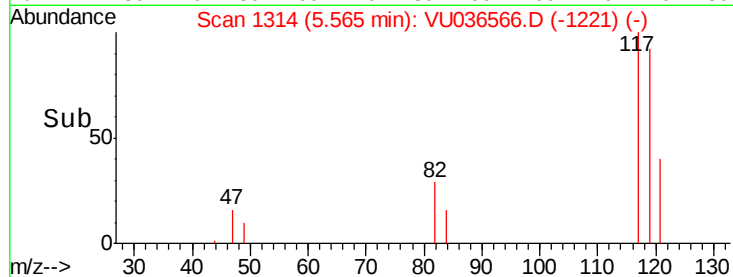
1000

500

0

Time-->

5.50 5.55 5.60



#33

Benzene

Concen: 0.283 ug/L

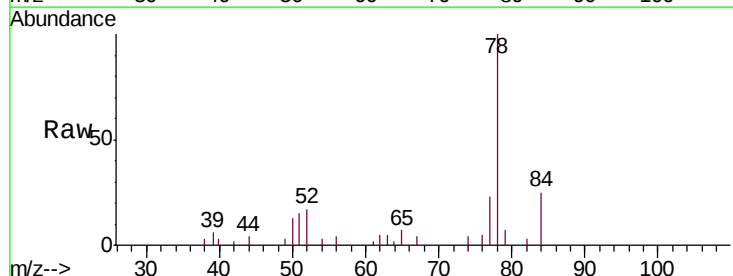
RT: 5.81 min Scan# 1391

Delta R.T. 0.00 min

Lab File: VU036566.D

Acq: 27 Jan 2020 14:24

Tgt Ion: 78 Resp: 11051



Abundance Ion 78.10 (77.80 to 78.80): VU0

5.81

6000

5000

4000

3000

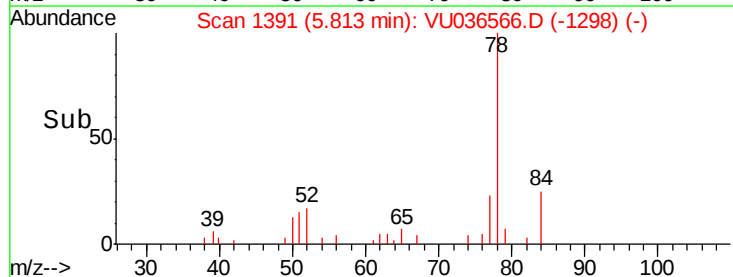
2000

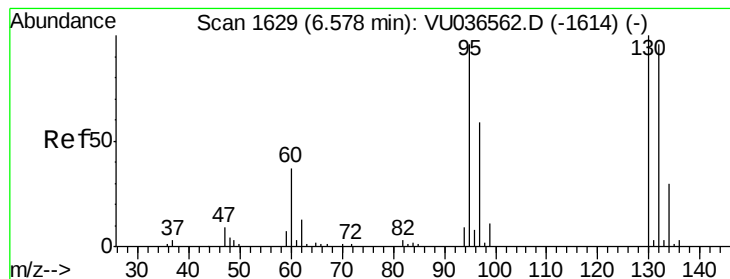
1000

0

Time-->

5.75 5.80 5.85





#34

Trichloroethene

Concen: 0.271 ug/L

RT: 6.58 min Scan# 1629

Delta R.T. 0.00 min

Lab File: VU036566.D

Acq: 27 Jan 2020 14:24

Instrument :

MSVOA_U

ClientSampleId :

MDL05

Tgt Ion: 95 Resp: 2808

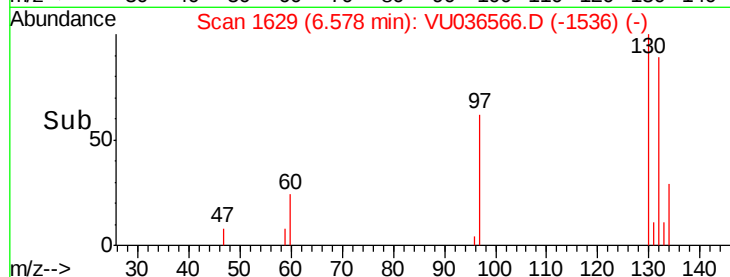
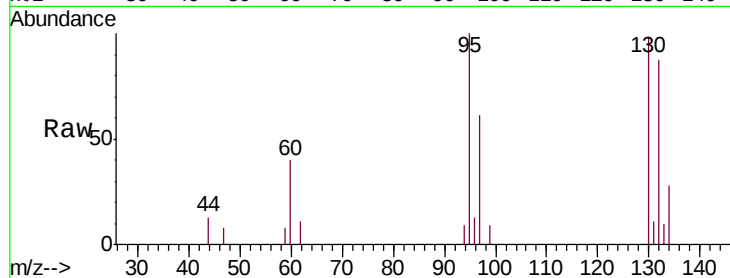
Ion Ratio Lower Upper

95 100

97 60.7 45.6 84.8

132 86.8 67.7 125.7

130 98.1 72.2 134.2

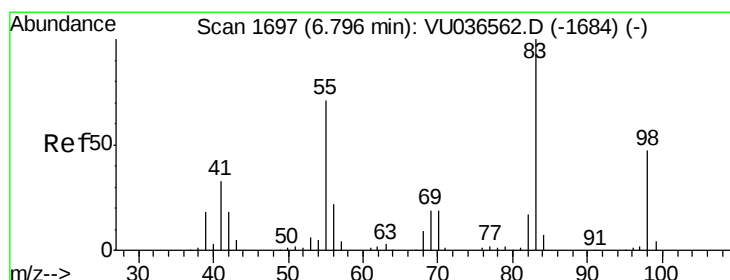
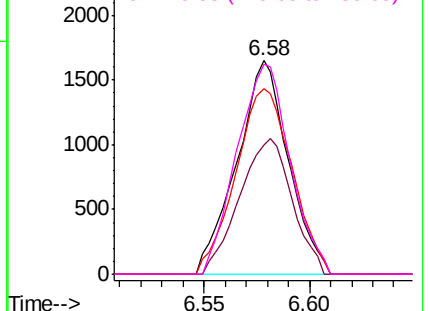


Abundance Ion 95.00 (94.70 to 95.70): VU036566.D (-1536) (-)

Ion 96.95 (96.65 to 97.65): VU036566.D (-1536) (-)

Ion 131.95 (131.65 to 132.65): VU036566.D (-1536) (-)

Ion 129.95 (129.65 to 130.65): VU036566.D (-1536) (-)



#35

Methylcyclohexane

Concen: 0.280 ug/L

RT: 6.80 min Scan# 1697

Delta R.T. 0.00 min

Lab File: VU036566.D

Acq: 27 Jan 2020 14:24

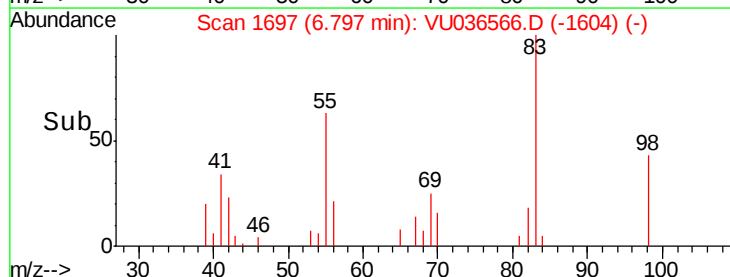
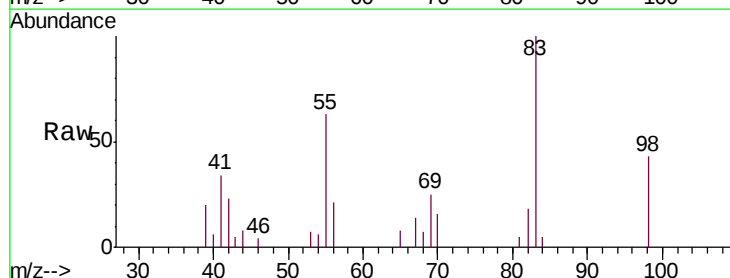
Tgt Ion: 83 Resp: 4976

Ion Ratio Lower Upper

83 100

55 65.4 56.9 85.3

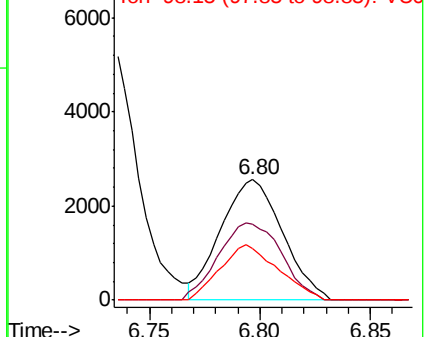
98 43.1 36.9 55.3

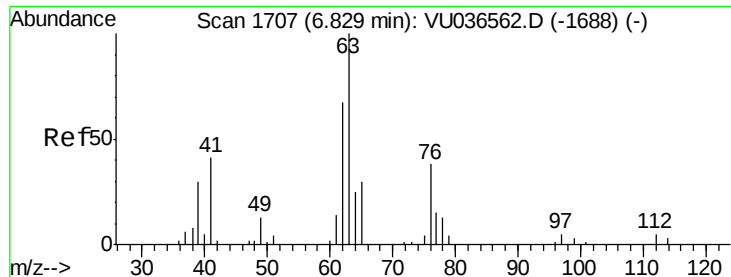


Abundance Ion 83.15 (82.85 to 83.85): VU036566.D (-1604) (-)

Ion 55.10 (54.80 to 55.80): VU036566.D (-1604) (-)

Ion 98.15 (97.85 to 98.85): VU036566.D (-1604) (-)

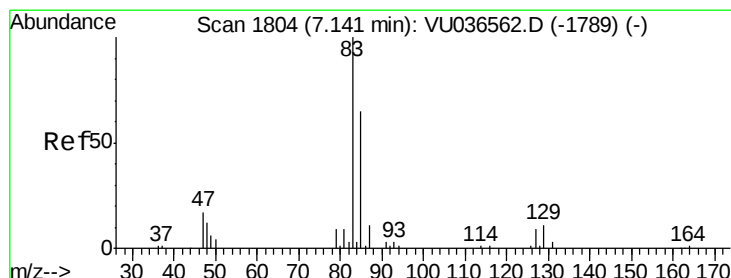
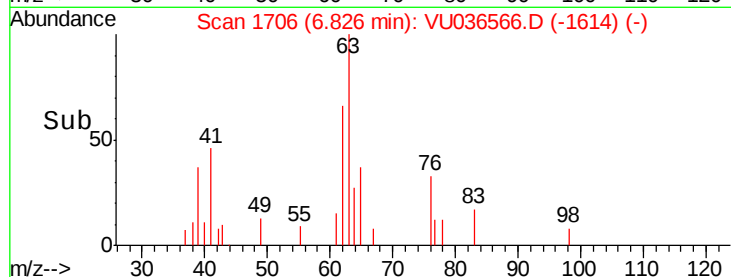
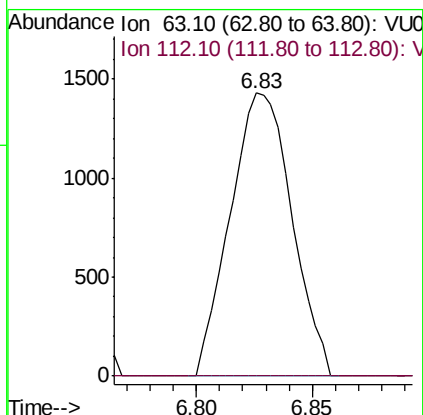
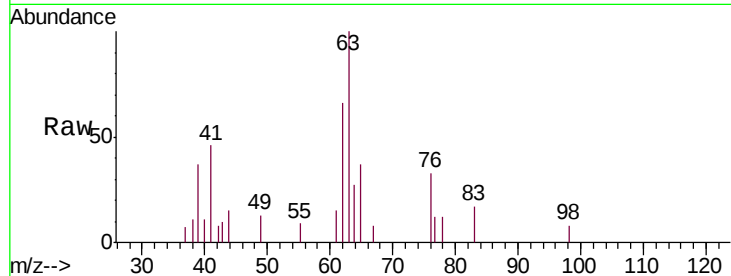




#37
 1,2-Dichloropropane
 Concen: 0.271 ug/L
 RT: 6.83 min Scan# 1706
 Delta R.T. -0.00 min
 Lab File: VU036566.D
 Acq: 27 Jan 2020 14:24

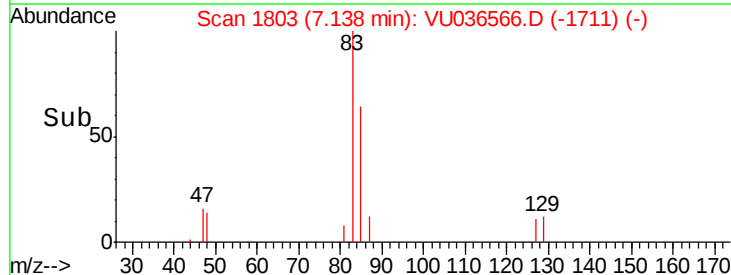
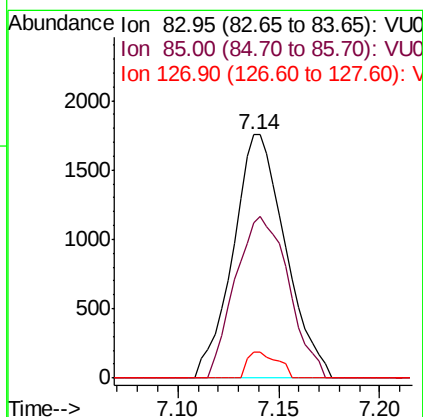
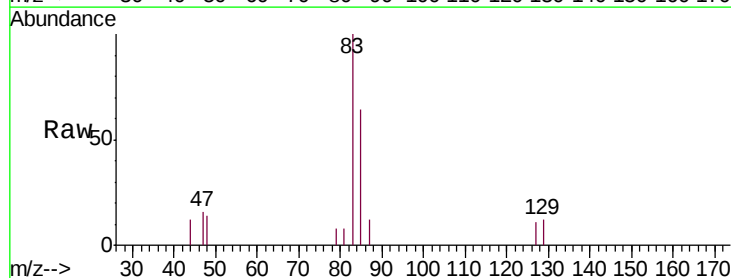
Instrument :
 MSVOA_U
 ClientSampled :
 MDL05

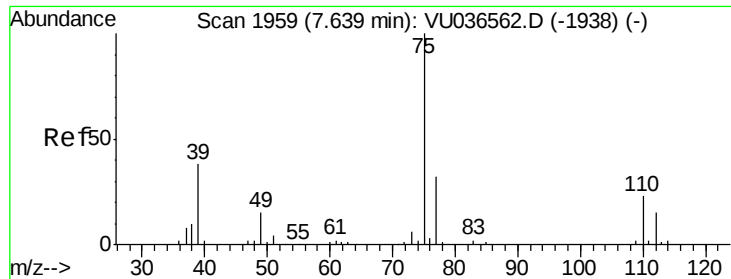
Tgt Ion: 63 Resp: 2634
 Ion Ratio Lower Upper
 63 100
 112 0.0 3.3 4.9#



#38
 Bromodichloromethane
 Concen: 0.267 ug/L
 RT: 7.14 min Scan# 1803
 Delta R.T. -0.00 min
 Lab File: VU036566.D
 Acq: 27 Jan 2020 14:24

Tgt Ion: 83 Resp: 3177
 Ion Ratio Lower Upper
 83 100
 85 63.9 44.7 82.9
 127 10.6 7.2 10.8

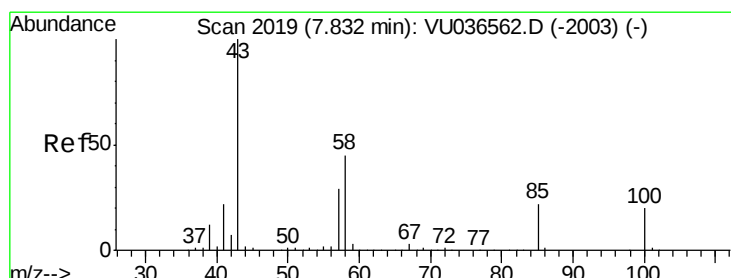
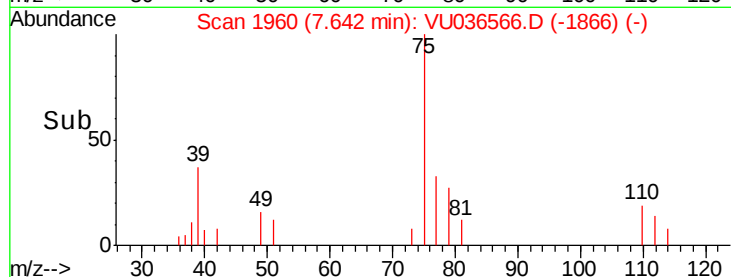
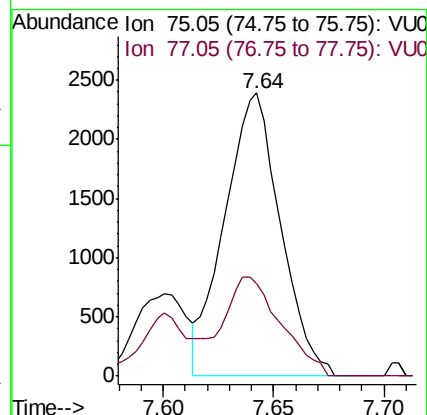
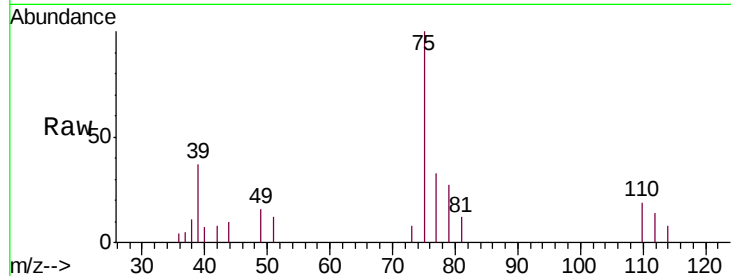




#39
 cis-1,3-Dichloropropene
 Concen: 0.280 ug/L
 RT: 7.64 min Scan# 1960
 Delta R.T. 0.00 min
 Lab File: VU036566.D
 Acq: 27 Jan 2020 14:24

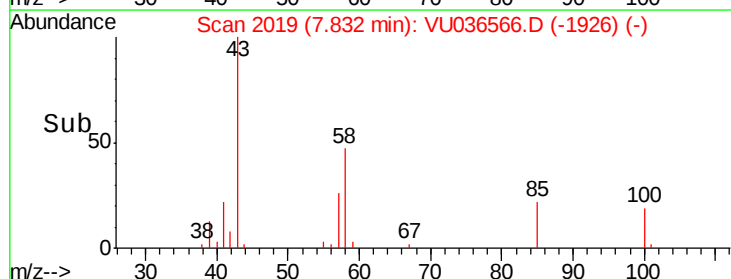
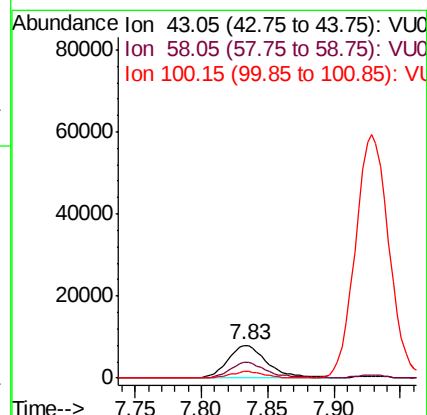
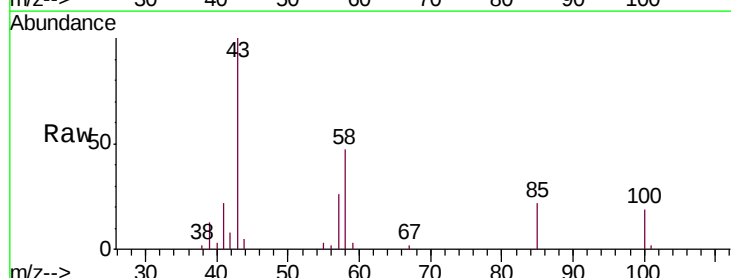
Instrument :
 MSVOA_U
 ClientSampleId :
 MDL05

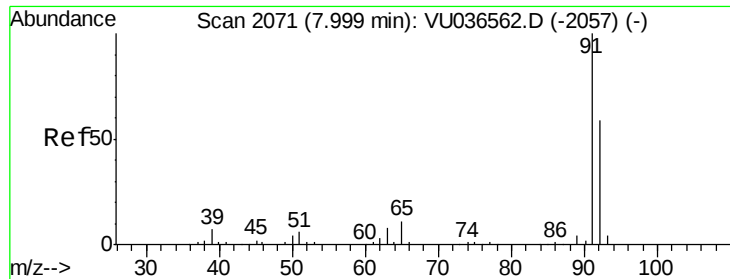
Tgt Ion: 75 Resp: 4205
 Ion Ratio Lower Upper
 75 100
 77 32.7 22.3 41.5



#40
 4-Methyl-2-pentanone
 Concen: 3.043 ug/L
 RT: 7.83 min Scan# 2019
 Delta R.T. 0.00 min
 Lab File: VU036566.D
 Acq: 27 Jan 2020 14:24

Tgt Ion: 43 Resp: 16646
 Ion Ratio Lower Upper
 43 100
 58 45.3 35.6 53.4
 100 0.0 14.9 22.3#





#42

Toluene

Concen: 0.298 ug/L

RT: 8.00 min Scan# 2071

Delta R.T. 0.00 min

Lab File: VU036566.D

Acq: 27 Jan 2020 14:24

Instrument :

MSVOA_U

ClientSampleId :

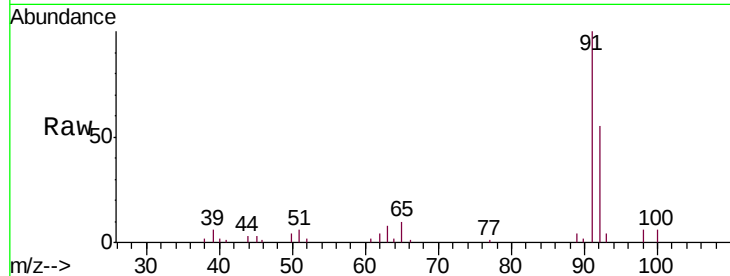
MDL05

Tgt Ion: 91 Resp: 12858

Ion Ratio Lower Upper

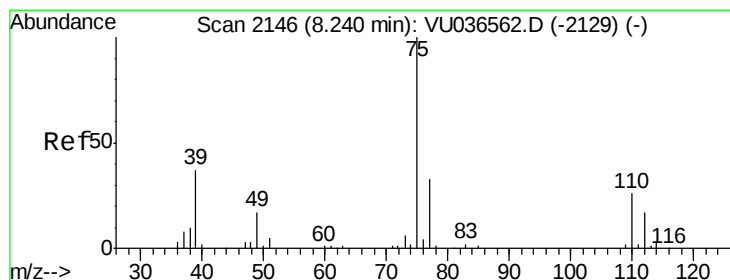
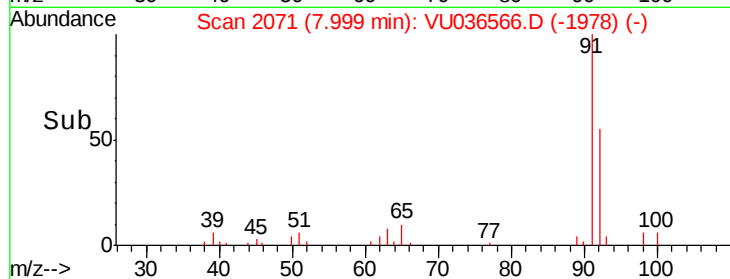
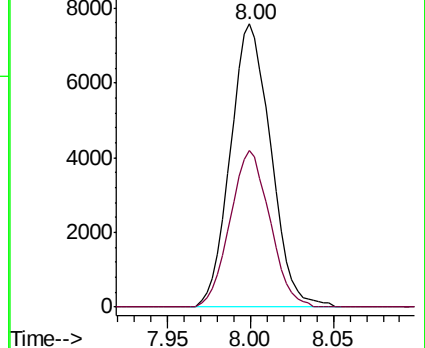
91 100

92 55.4 40.6 75.4



Abundance Ion 91.15 (90.85 to 91.85): VU036562.D (-2057) (-)

Ion 92.15 (91.85 to 92.85): VU036562.D (-2057) (-)



#44

trans-1,3-Dichloropropene

Concen: 0.344 ug/L

RT: 8.24 min Scan# 2146

Delta R.T. 0.00 min

Lab File: VU036566.D

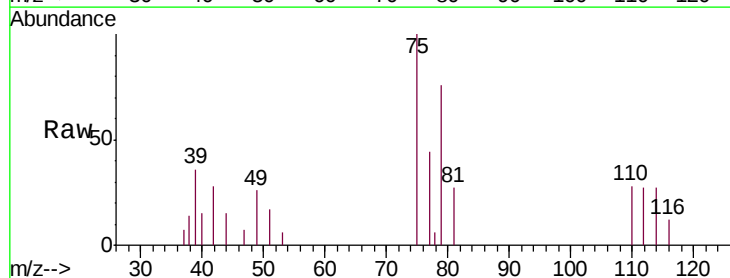
Acq: 27 Jan 2020 14:24

Tgt Ion: 75 Resp: 3968

Ion Ratio Lower Upper

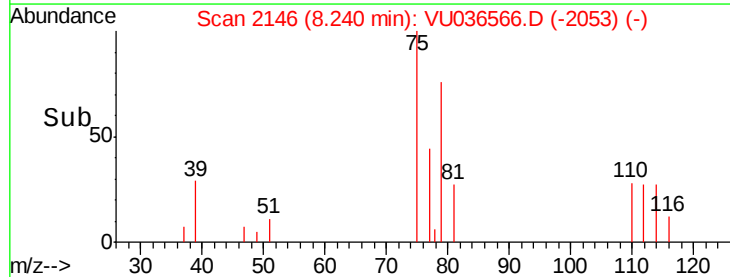
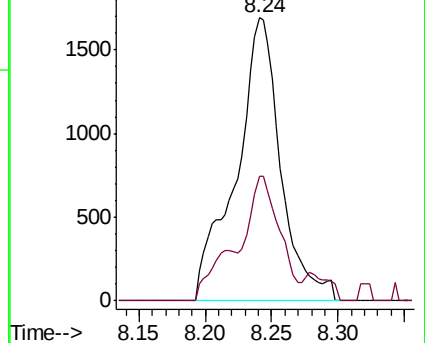
75 100

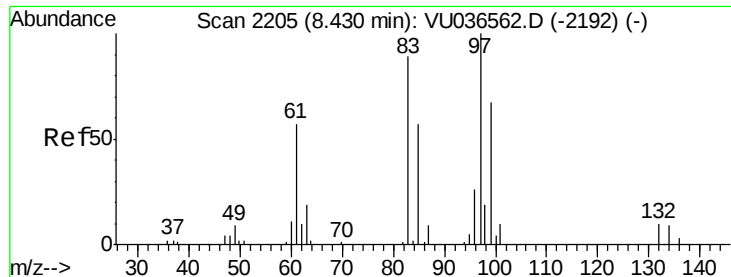
77 44.0 22.8 42.4#



Abundance Ion 75.05 (74.75 to 75.75): VU036562.D (-2129) (-)

Ion 77.05 (76.75 to 77.75): VU036562.D (-2129) (-)

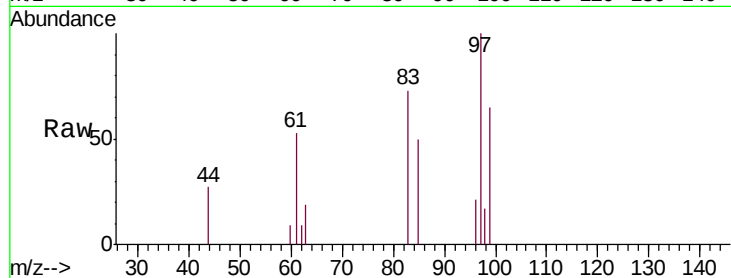




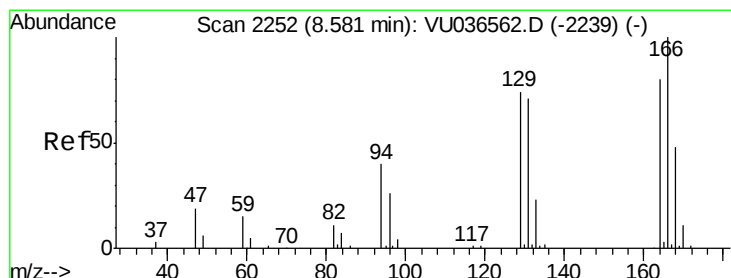
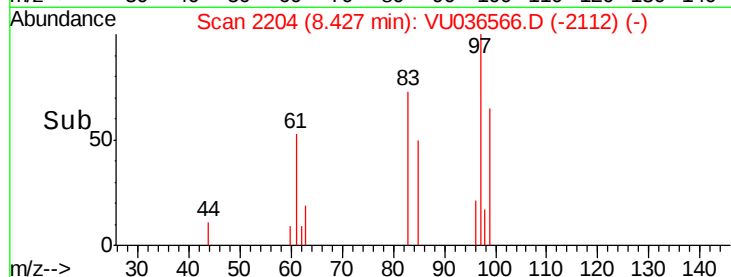
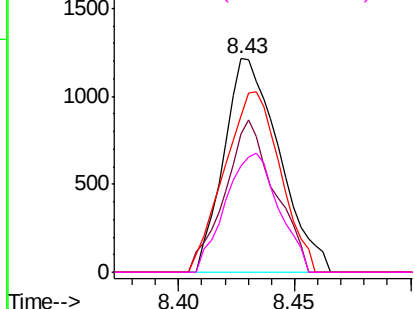
#45
 1,1,2-Trichloroethane
 Concen: 0.280 ug/L
 RT: 8.43 min Scan# 2204
 Delta R.T. -0.00 min
 Lab File: VU036566.D
 Acq: 27 Jan 2020 14:24

Instrument :
 MSVOA_U
 ClientSampleId :
 MDL05

Tgt Ion:	97	Resp:	2014
Ion	Ratio	Lower	Upper
97	100		
99	64.7	42.1	78.3
83	73.4	58.4	108.6
85	49.8	39.6	73.6

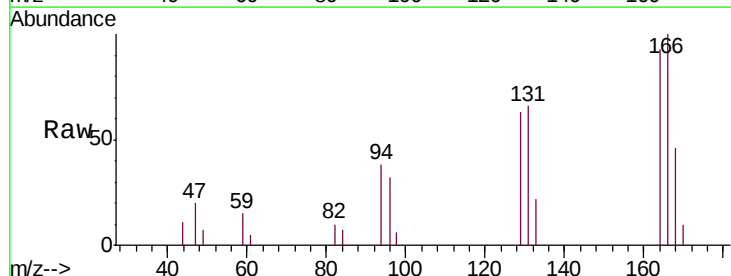


Abundance Ion 96.95 (96.65 to 97.65): VU0
 Ion 99.05 (98.75 to 99.75): VU0
 Ion 82.95 (82.65 to 83.65): VU0
 Ion 85.00 (84.70 to 85.70): VU0

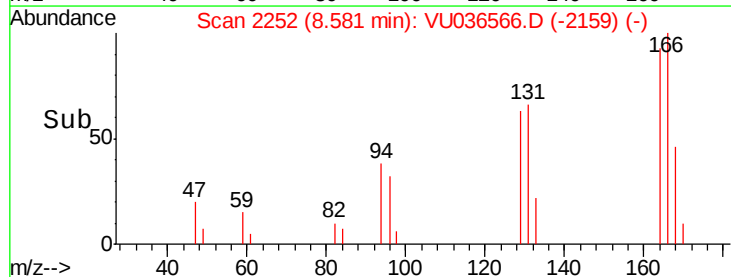
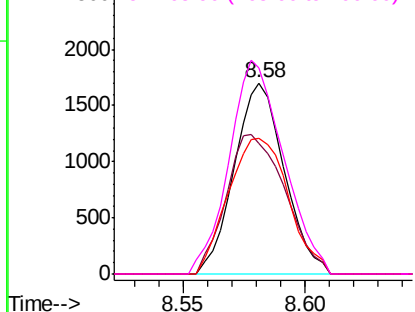


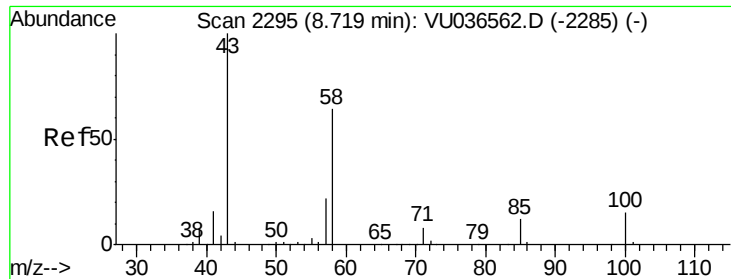
#47
 Tetrachloroethene
 Concen: 0.286 ug/L
 RT: 8.58 min Scan# 2252
 Delta R.T. 0.00 min
 Lab File: VU036566.D
 Acq: 27 Jan 2020 14:24

Tgt Ion:	164	Resp:	2413
Ion	Ratio	Lower	Upper
164	100		
129	68.1	64.7	120.1
131	70.8	64.0	118.8
166	108.1	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

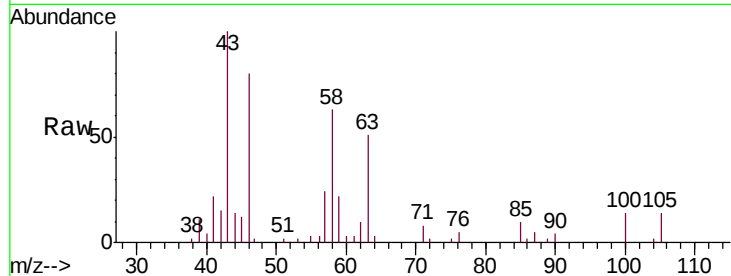




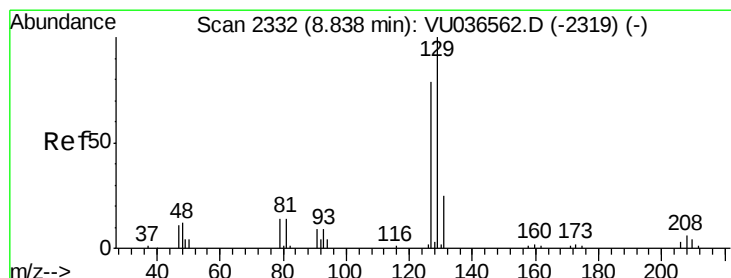
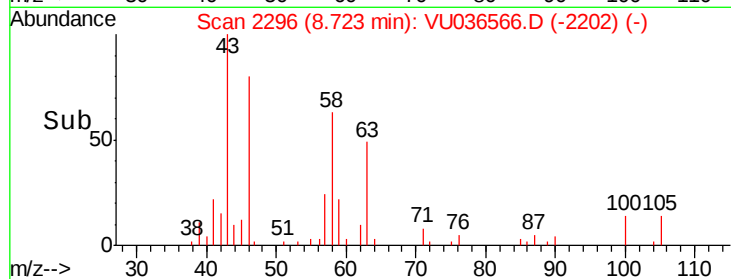
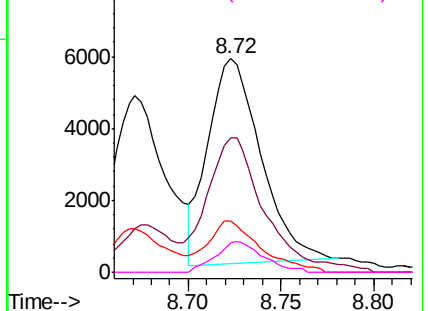
#48
2-Hexanone
Concen: 3.017 ug/L
RT: 8.72 min Scan# 2296
Delta R.T. 0.00 min
Lab File: VU036566.D
Acq: 27 Jan 2020 14:24

Instrument :
MSVOA_U
ClientSampleId :
MDL05

Tgt Ion: 43 Resp: 11385
Ion Ratio Lower Upper
43 100
58 72.9 50.2 75.2
57 25.0 17.5 26.3
100 13.3 11.5 17.3

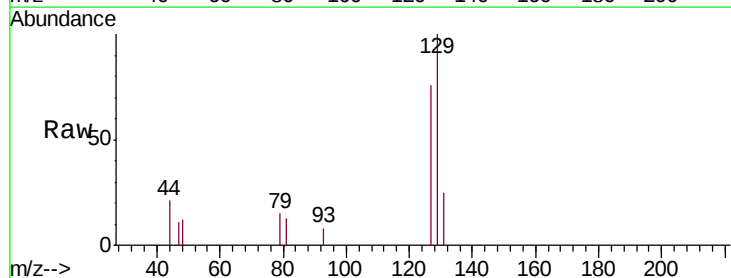


Abundance Ion 43.05 (42.75 to 43.75): VU036566.D (-2292) (-)
Ion 58.05 (57.75 to 58.75): VU036566.D (-2292) (-)
Ion 57.20 (56.90 to 57.90): VU036566.D (-2292) (-)
Ion 100.15 (99.85 to 100.85): VU036566.D (-2292) (-)

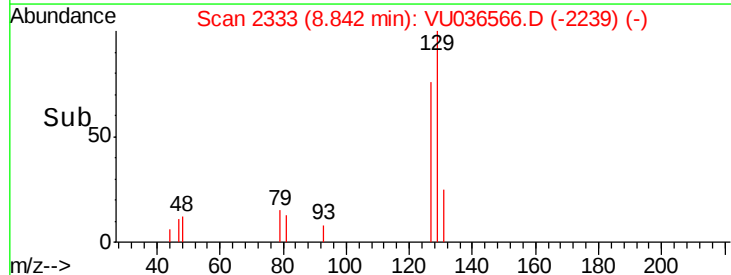
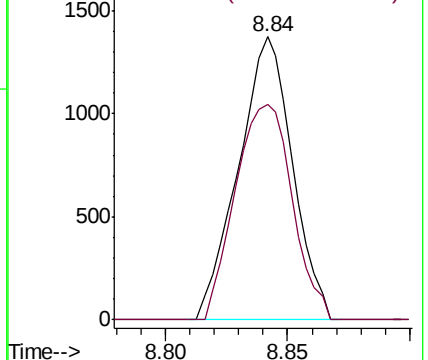


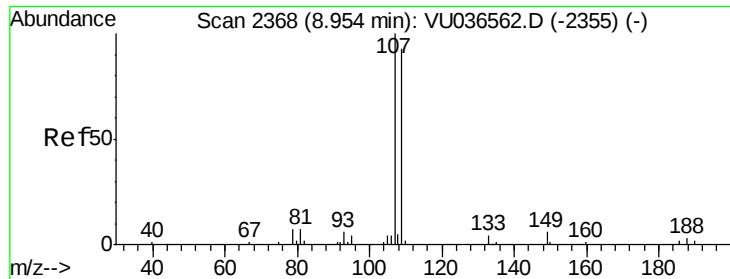
#49
Dibromochloromethane
Concen: 0.256 ug/L
RT: 8.84 min Scan# 2333
Delta R.T. 0.00 min
Lab File: VU036566.D
Acq: 27 Jan 2020 14:24

Tgt Ion: 129 Resp: 2106
Ion Ratio Lower Upper
129 100
127 76.1 54.5 101.3



Abundance Ion 128.95 (128.65 to 129.65): VU036566.D (-2329) (-)
Ion 126.90 (126.60 to 127.60): VU036566.D (-2329) (-)

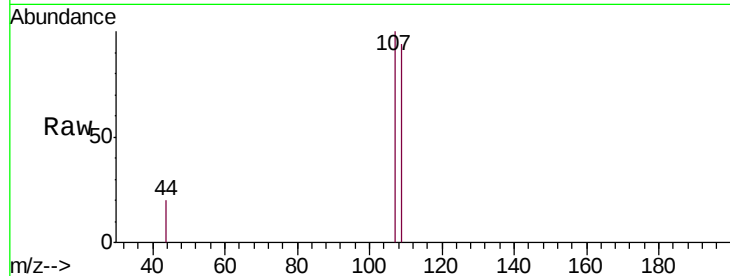




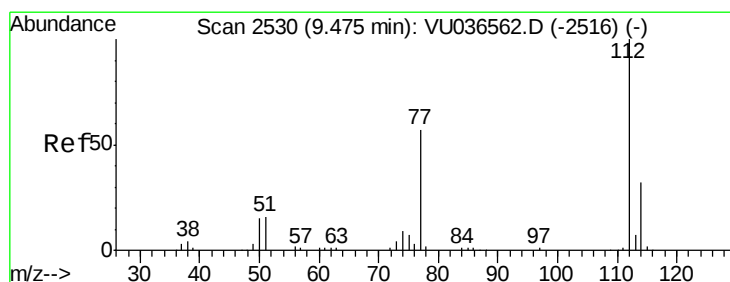
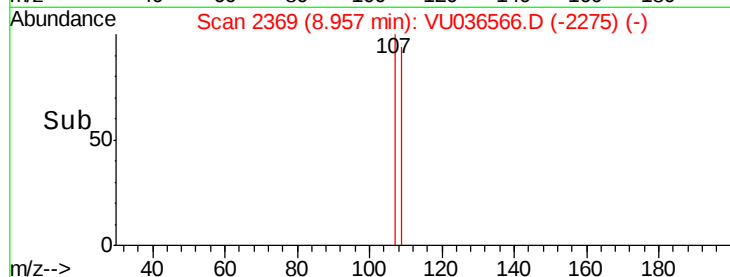
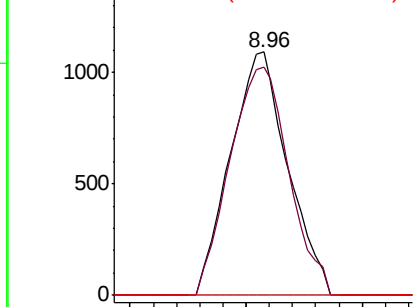
#50
1,2-Dibromoethane
Concen: 0.268 ug/L
RT: 8.96 min Scan# 2369
Delta R.T. 0.00 min
Lab File: VU036566.D
Acq: 27 Jan 2020 14:24

Instrument :
MSVOA_U
ClientSampleId :
MDL05

Tgt Ion:107 Resp: 1876
Ion Ratio Lower Upper
107 100
109 94.0 64.5 119.9
188 0.0 2.8 4.2#

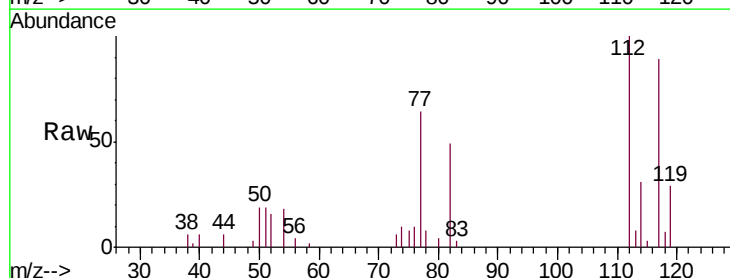


Abundance Ion 106.95 (106.65 to 107.65): V
Ion 109.00 (108.70 to 109.70): V
Ion 187.90 (187.60 to 188.60): V

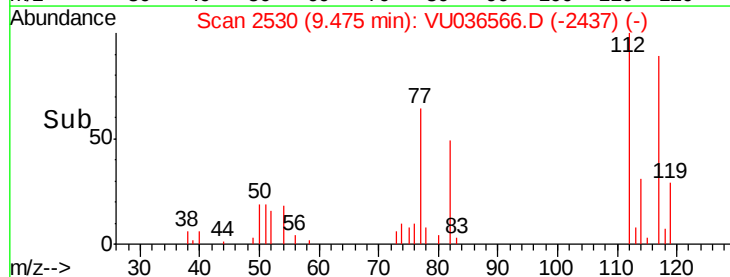
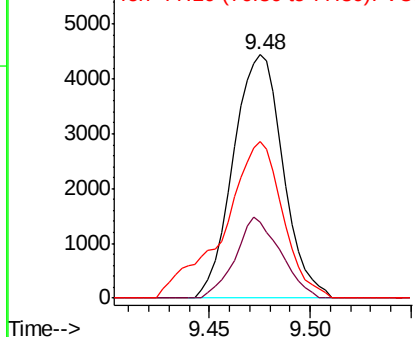


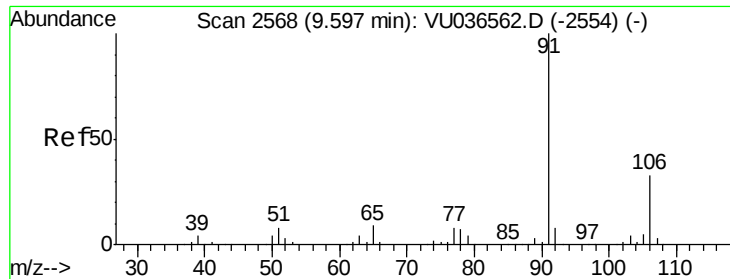
#51
Chlorobenzene
Concen: 0.276 ug/L
RT: 9.48 min Scan# 2530
Delta R.T. 0.00 min
Lab File: VU036566.D
Acq: 27 Jan 2020 14:24

Tgt Ion:112 Resp: 7664
Ion Ratio Lower Upper
112 100
114 31.0 23.2 43.2
77 64.4 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: 0.276 ug/L

RT: 9.60 min Scan# 2568

Delta R.T. 0.00 min

Lab File: VU036566.D

Acq: 27 Jan 2020 14:24

Instrument :

MSVOA_U

ClientSampleId :

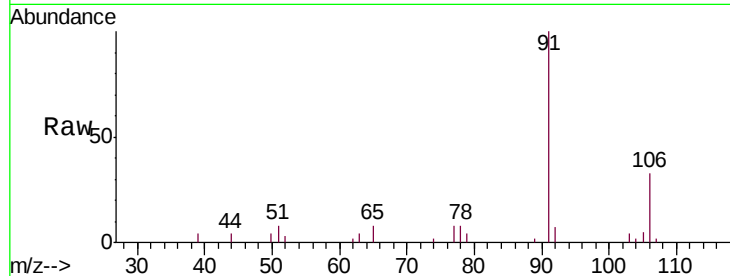
MDL05

Tgt Ion: 91 Resp: 12970

Ion Ratio Lower Upper

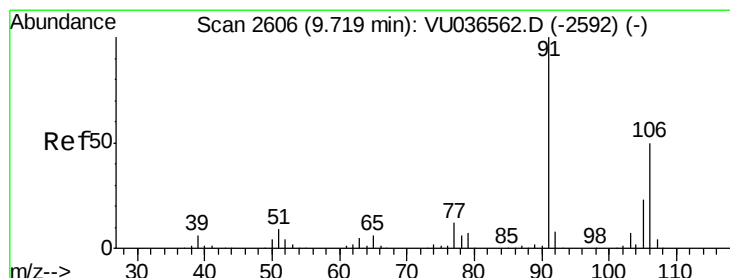
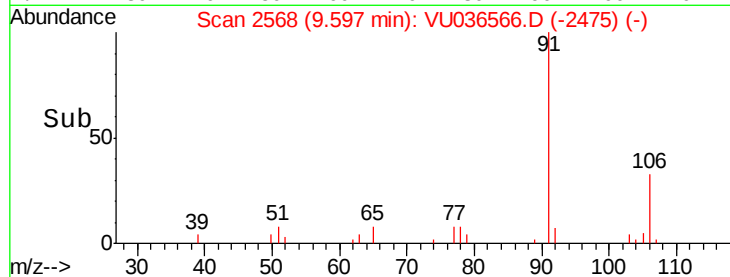
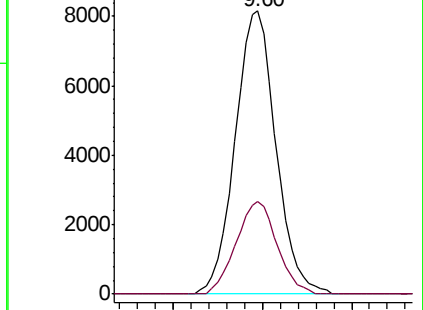
91 100

106 32.5 22.3 41.3



Abundance Ion 91.15 (90.85 to 91.85): VU036566.D (-2475) (-)

Ion 106.15 (105.85 to 106.85): VU036566.D (-2475) (-)



#53

m,p-Xylene

Concen: 0.285 ug/L

RT: 9.72 min Scan# 2605

Delta R.T. -0.00 min

Lab File: VU036566.D

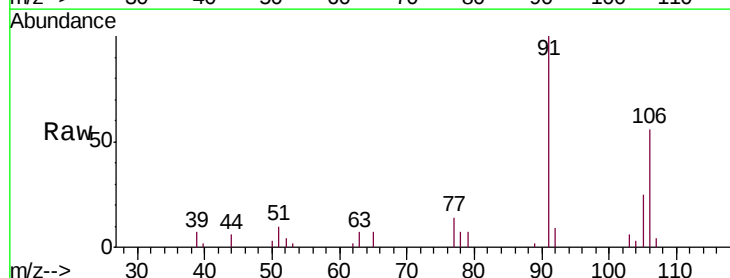
Acq: 27 Jan 2020 14:24

Tgt Ion: 106 Resp: 5200

Ion Ratio Lower Upper

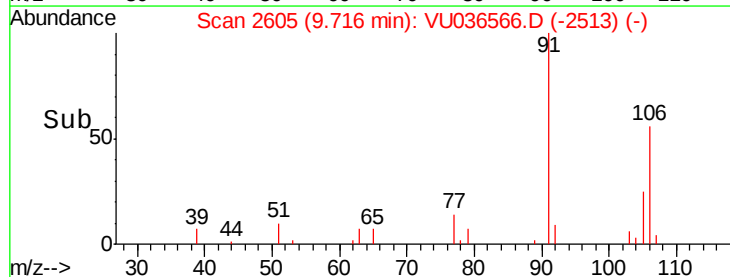
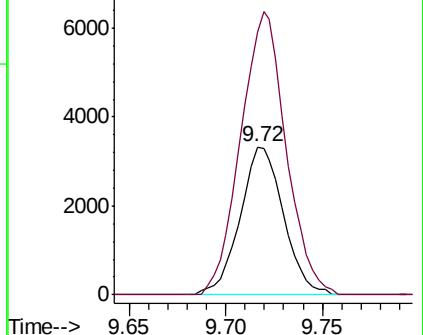
106 100

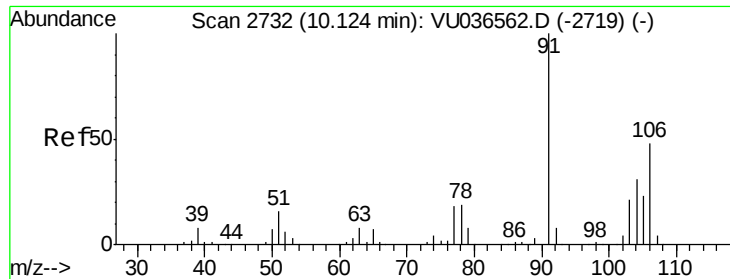
91 177.9 141.4 262.6



Abundance Ion 106.15 (105.85 to 106.85): VU036566.D (-2513) (-)

Ion 91.15 (90.85 to 91.85): VU036566.D (-2513) (-)

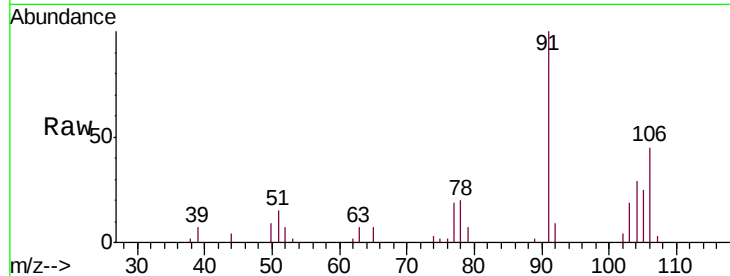




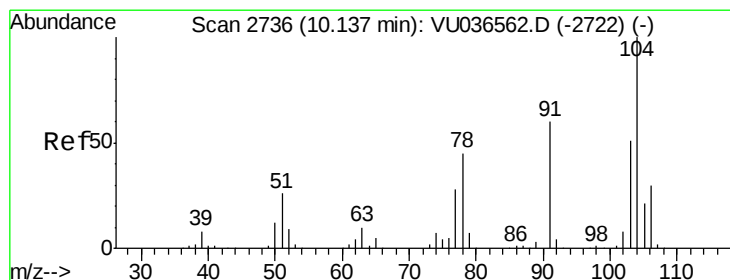
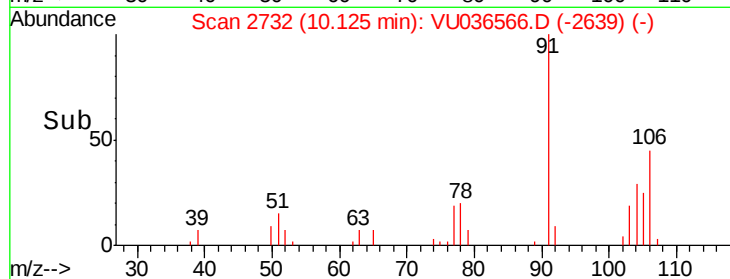
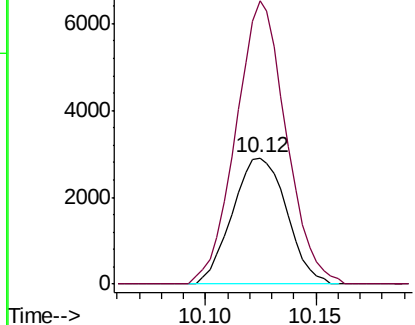
#54
o-Xylene
Concen: 0.277 ug/L
RT: 10.12 min Scan# 2732
Delta R.T. 0.00 min
Lab File: VU036566.D
Acq: 27 Jan 2020 14:24

Instrument :
MSVOA_U
ClientSampled :
MDL05

Tgt Ion:106 Resp: 4951
Ion Ratio Lower Upper
106 100
91 223.7 146.2 271.4

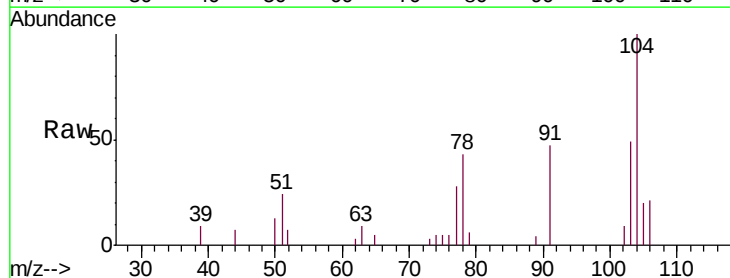


Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VU0

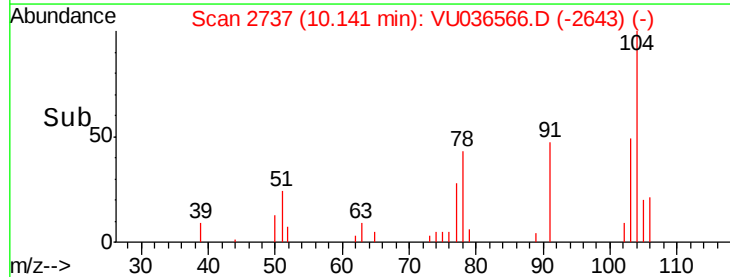
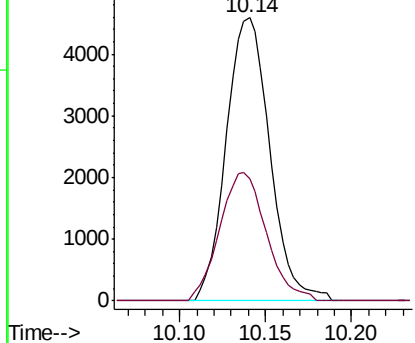


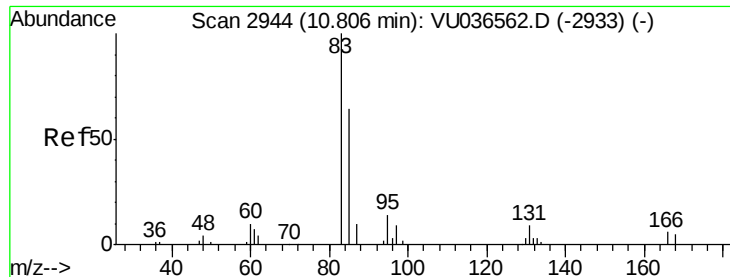
#55
Styrene
Concen: 0.276 ug/L
RT: 10.14 min Scan# 2737
Delta R.T. 0.00 min
Lab File: VU036566.D
Acq: 27 Jan 2020 14:24

Tgt Ion:104 Resp: 8089
Ion Ratio Lower Upper
104 100
78 42.9 31.9 59.2



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

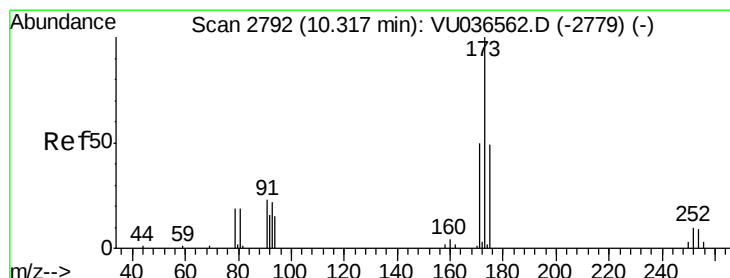
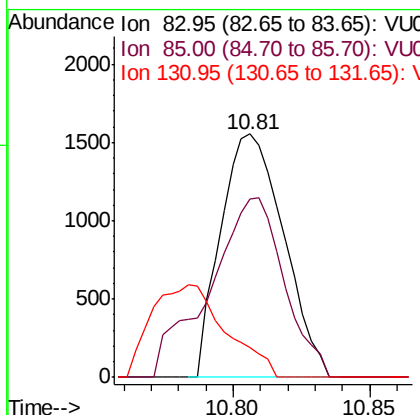
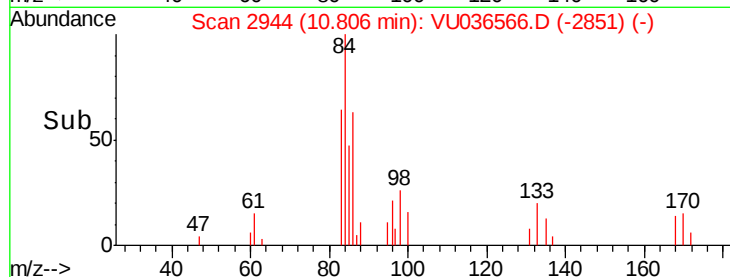
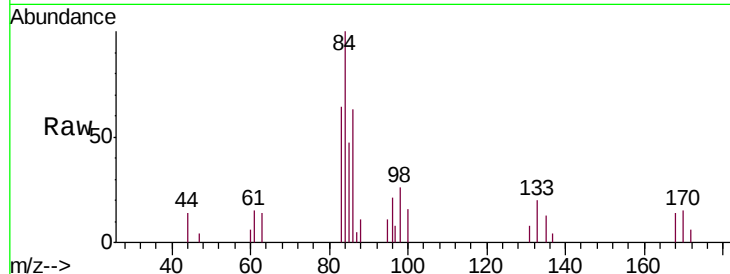




#57
 1,1,2,2-Tetrachloroethane
 Concen: 0.276 ug/L
 RT: 10.81 min Scan# 2944
 Delta R.T. 0.00 min
 Lab File: VU036566.D
 Acq: 27 Jan 2020 14:24

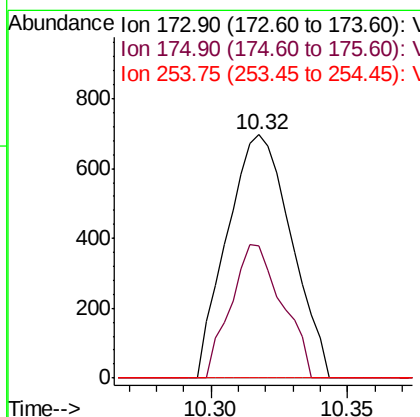
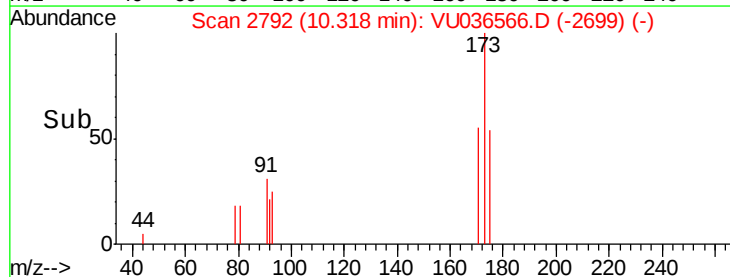
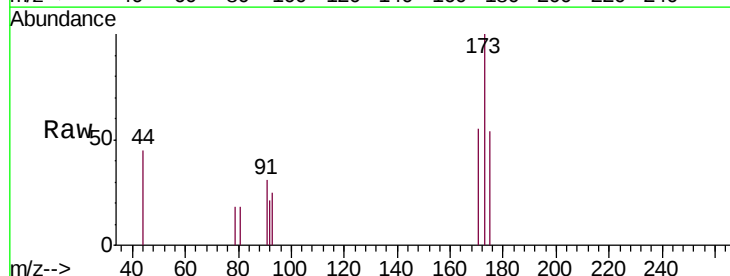
Instrument :
 MSVOA_U
 ClientSampleId :
 MDL05

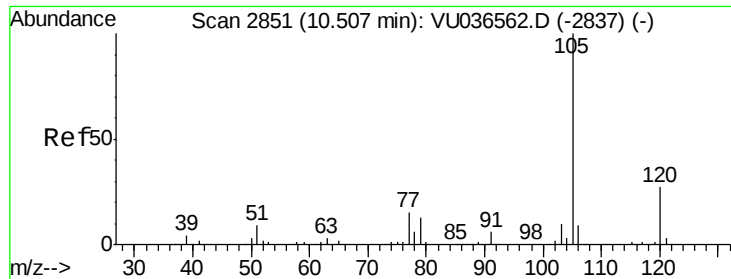
Tgt Ion: 83 Resp: 2488
 Ion Ratio Lower Upper
 83 100
 85 73.4 47.0 87.4
 131 12.1 8.1 12.1



#59
 Bromoform
 Concen: 0.254 ug/L
 RT: 10.32 min Scan# 2792
 Delta R.T. 0.00 min
 Lab File: VU036566.D
 Acq: 27 Jan 2020 14:24

Tgt Ion: 173 Resp: 1136
 Ion Ratio Lower Upper
 173 100
 175 43.9 39.0 58.4
 254 0.0 6.3 9.5#





#60

Isopropylbenzene

Concen: 0.277 ug/L

RT: 10.51 min Scan# 2851

Delta R.T. 0.00 min

Lab File: VU036566.D

Acq: 27 Jan 2020 14:24

Instrument :

MSVOA_U

ClientSampled :

MDL05

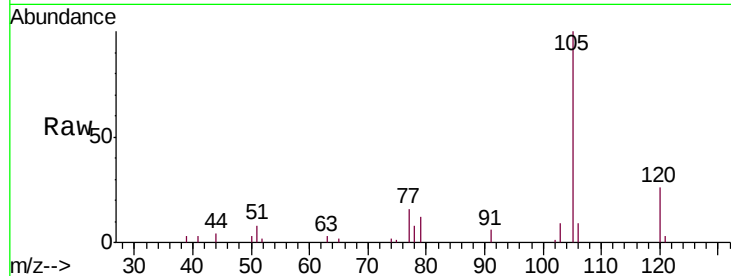
Tgt Ion: 105 Resp: 12510

Ion Ratio Lower Upper

105 100

120 26.4 21.5 32.3

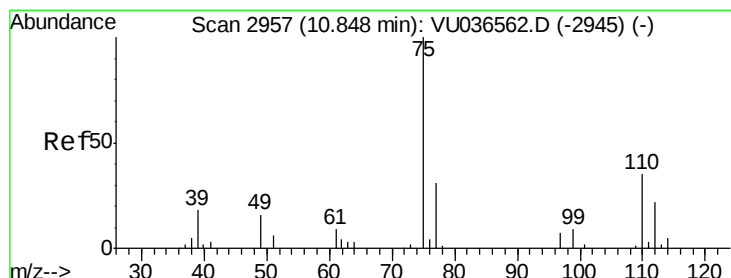
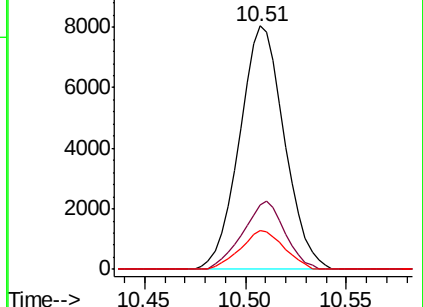
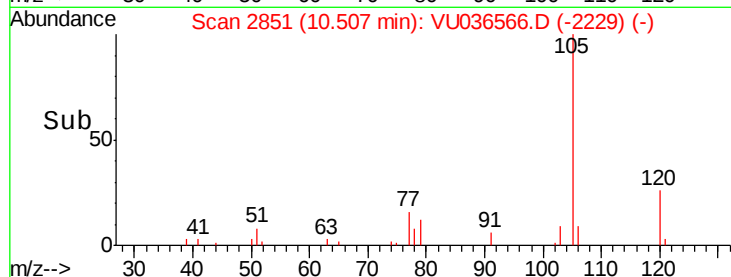
77 15.5 12.2 18.2



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: 0.285 ug/L

RT: 10.85 min Scan# 2958

Delta R.T. 0.00 min

Lab File: VU036566.D

Acq: 27 Jan 2020 14:24

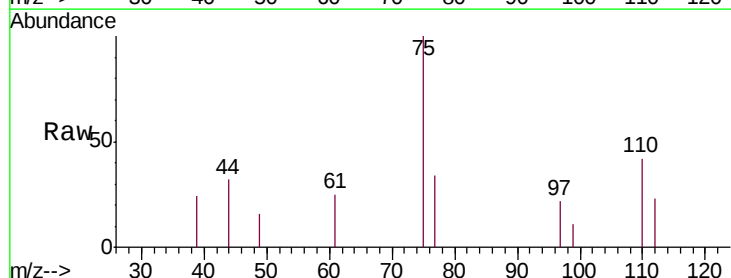
Tgt Ion: 75 Resp: 1772

Ion Ratio Lower Upper

75 100

110 38.0 29.0 43.4

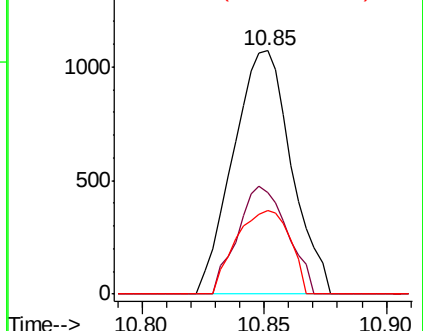
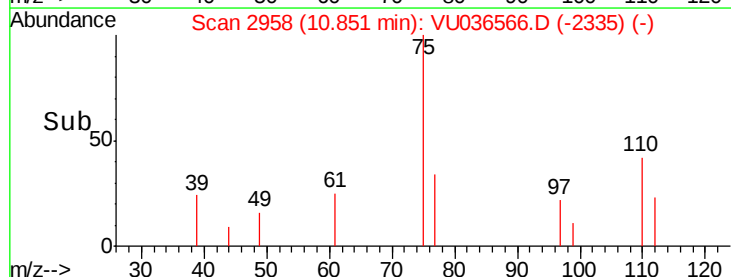
77 31.8 25.8 38.6

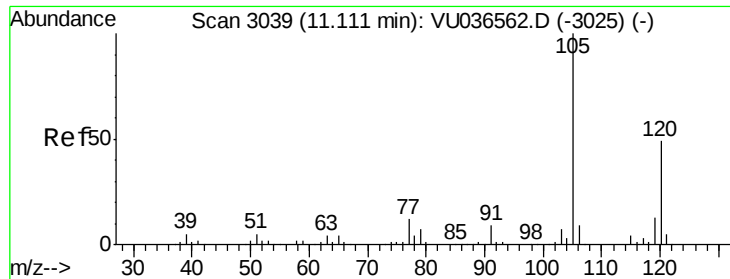


Abundance Ion 75.00 (74.70 to 75.70): VU

Ion 110.00 (109.70 to 110.70): V

Ion 77.00 (76.70 to 77.70): VU

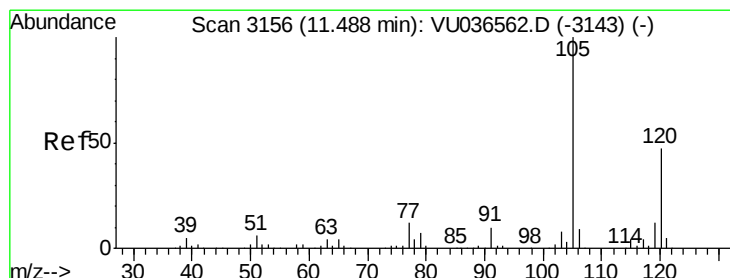
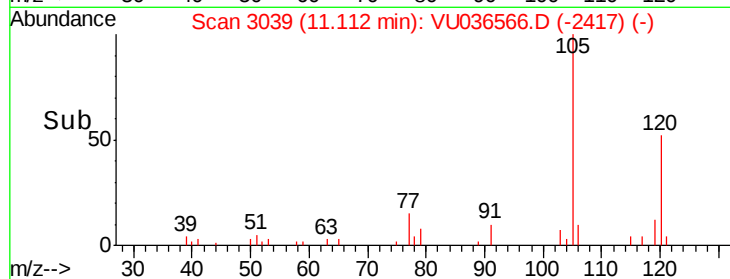
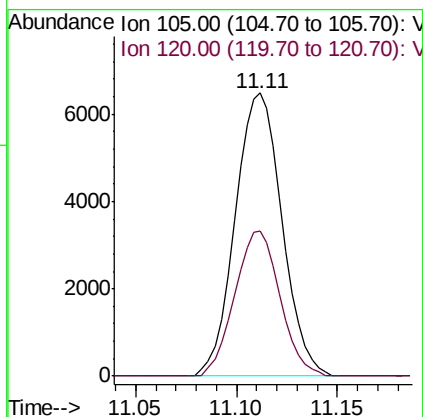
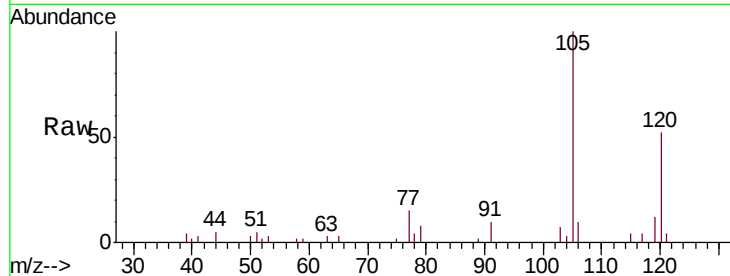




#62
 1,3,5-Trimethylbenzene
 Concen: 0.272 ug/L
 RT: 11.11 min Scan# 3039
 Delta R.T. 0.00 min
 Lab File: VU036566.D
 Acq: 27 Jan 2020 14:24

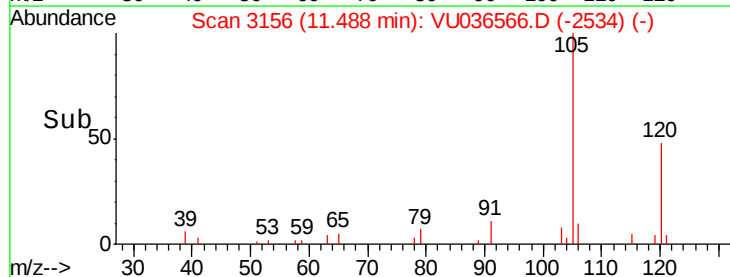
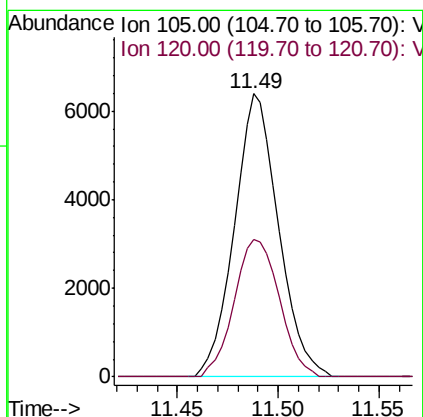
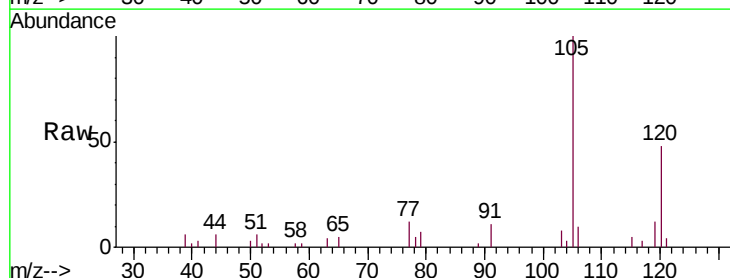
Instrument :
 MSVOA_U
 ClientSampleId :
 MDL05

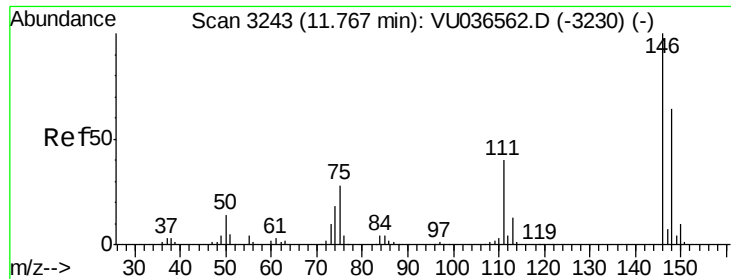
Tgt Ion:105 Resp: 10528
 Ion Ratio Lower Upper
 105 100
 120 49.6 39.7 59.5



#63
 1,2,4-Trimethylbenzene
 Concen: 0.255 ug/L
 RT: 11.49 min Scan# 3156
 Delta R.T. 0.00 min
 Lab File: VU036566.D
 Acq: 27 Jan 2020 14:24

Tgt Ion:105 Resp: 9772
 Ion Ratio Lower Upper
 105 100
 120 49.9 36.9 55.3

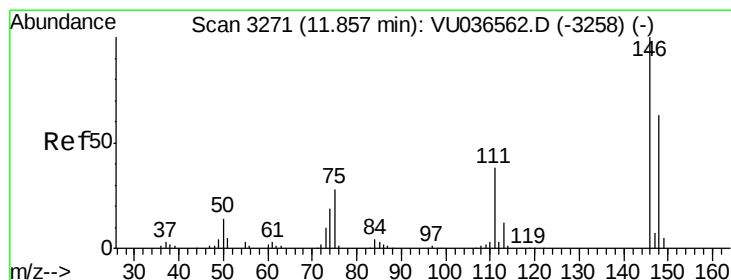
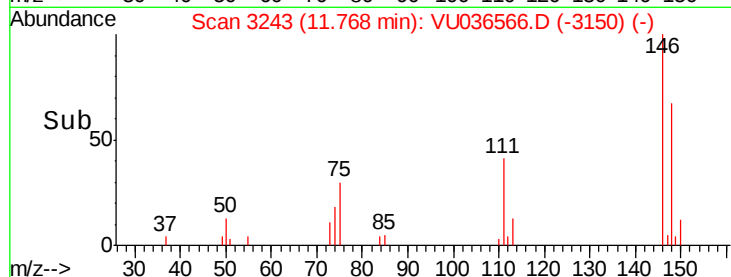
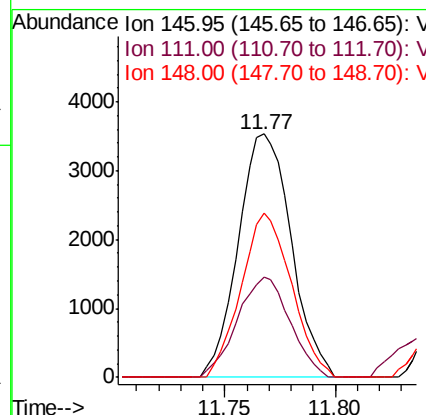
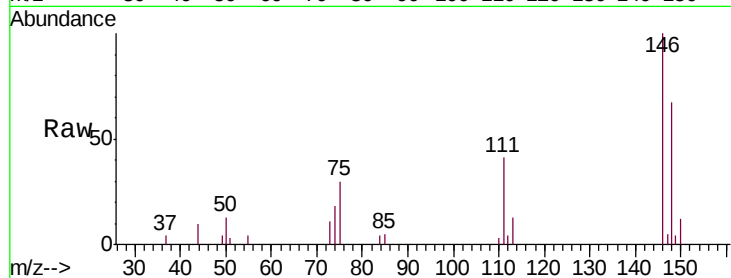




#64
 1,3-Dichlorobenzene
 Concen: 0.281 ug/L
 RT: 11.77 min Scan# 3243
 Delta R.T. 0.00 min
 Lab File: VU036566.D
 Acq: 27 Jan 2020 14:24

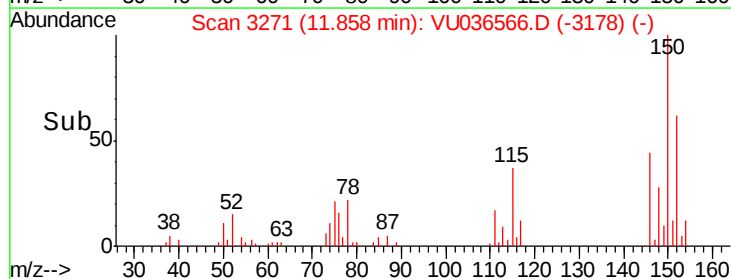
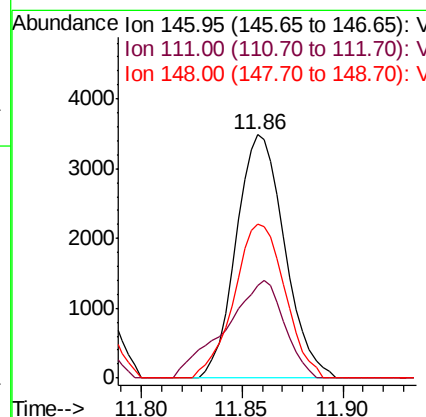
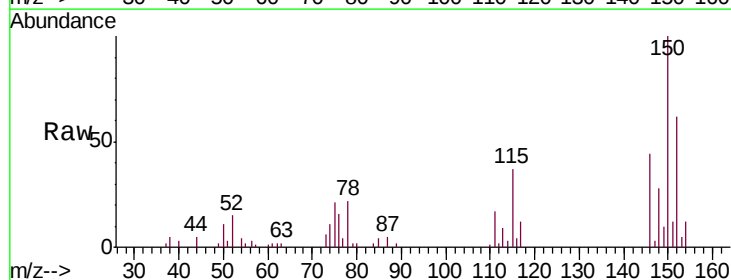
Instrument :
 MSVOA_U
 ClientSampleId :
 MDL05

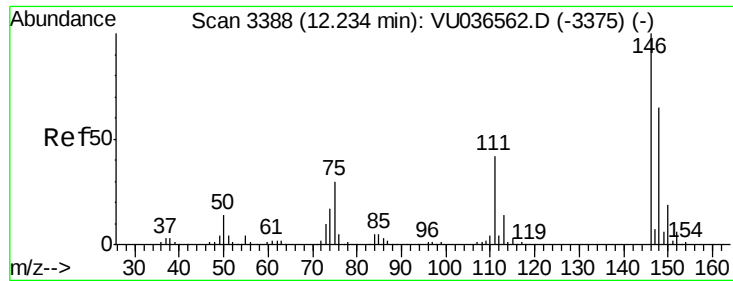
Tgt Ion:146 Resp: 5900
 Ion Ratio Lower Upper
 146 100
 111 41.1 28.8 53.6
 148 67.3 44.2 82.2



#65
 1,4-Dichlorobenzene
 Concen: 0.279 ug/L
 RT: 11.86 min Scan# 3271
 Delta R.T. 0.00 min
 Lab File: VU036566.D
 Acq: 27 Jan 2020 14:24

Tgt Ion:146 Resp: 5869
 Ion Ratio Lower Upper
 146 100
 111 37.9 27.2 50.6
 148 63.0 44.8 83.2

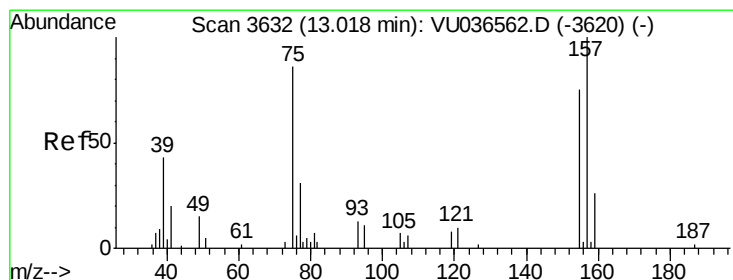
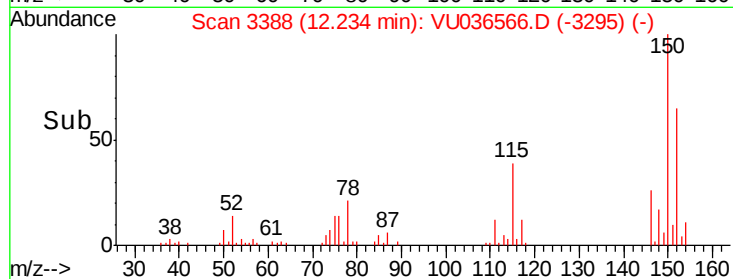
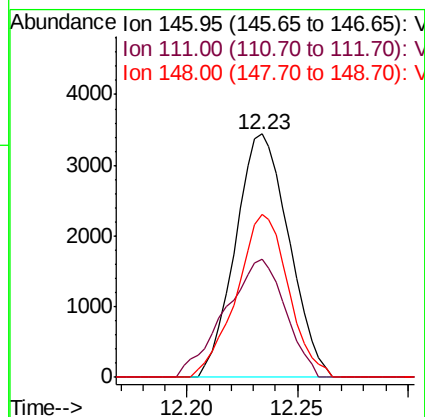
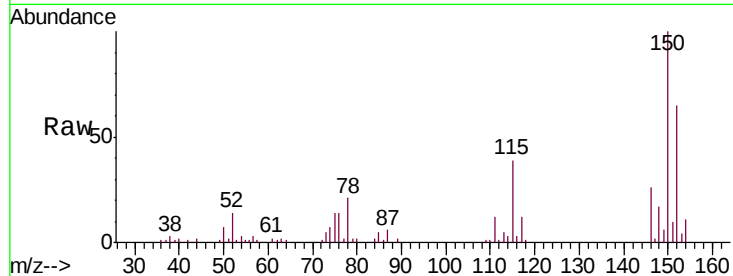




#67
 1,2-Dichlorobenzene
 Concen: 0.289 ug/L
 RT: 12.23 min Scan# 3388
 Delta R.T. 0.00 min
 Lab File: VU036566.D
 Acq: 27 Jan 2020 14:24

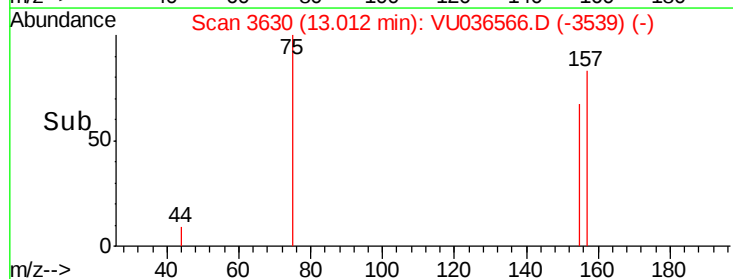
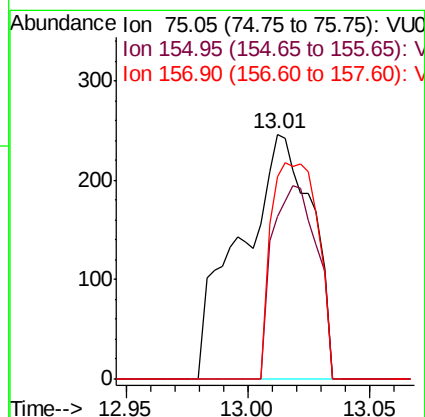
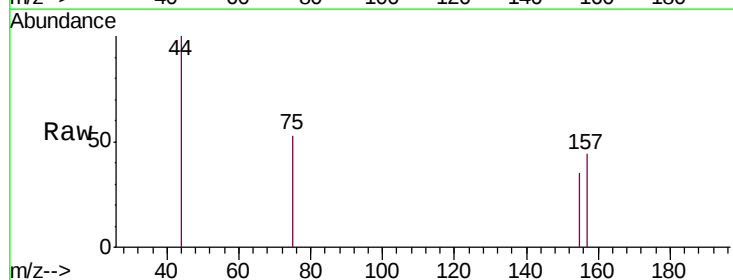
Instrument :
 MSVOA_U
 ClientSampleId :
 MDL05

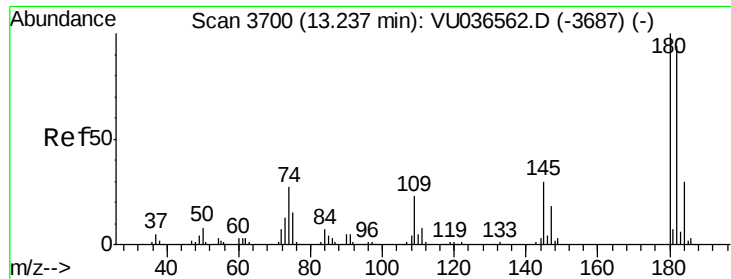
Tgt Ion:146 Resp: 5799
 Ion Ratio Lower Upper
 146 100
 111 48.3 33.4 50.0
 148 67.1 51.0 76.4



#68
 1,2-Dibromo-3-chloropropane
 Concen: 0.379 ug/L
 RT: 13.01 min Scan# 3630
 Delta R.T. -0.01 min
 Lab File: VU036566.D
 Acq: 27 Jan 2020 14:24

Tgt Ion: 75 Resp: 498
 Ion Ratio Lower Upper
 75 100
 155 66.7 64.2 96.4
 157 82.5 85.1 127.7#

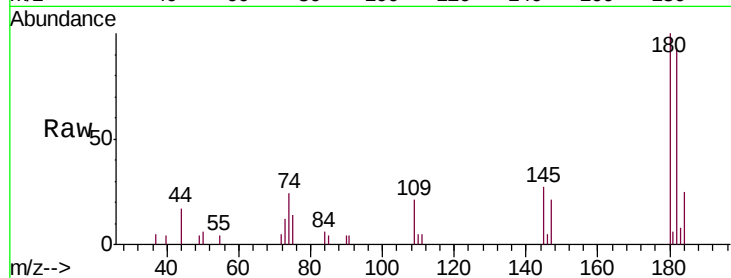




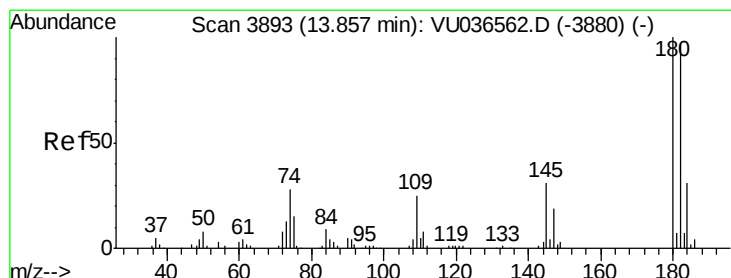
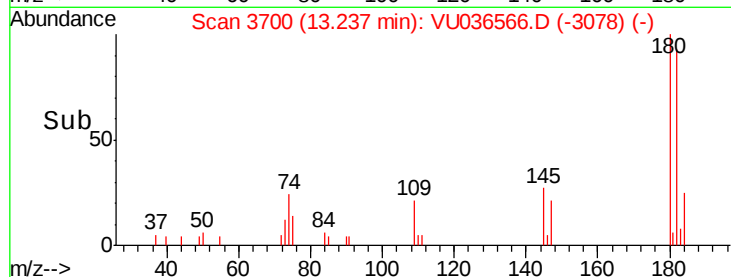
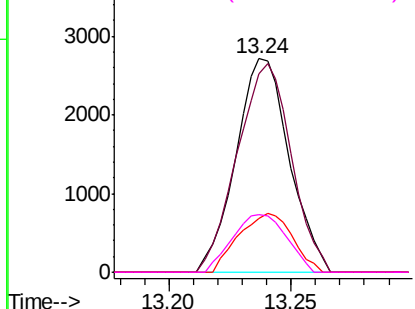
#69
 1,3,5-Trichlorobenzene
 Concen: 0.255 ug/L
 RT: 13.24 min Scan# 3700
 Delta R.T. 0.00 min
 Lab File: VU036566.D
 Acq: 27 Jan 2020 14:24

Instrument :
 MSVOA_U
 ClientSampleId :
 MDL05

Tgt Ion:180 Resp: 4116
 Ion Ratio Lower Upper
 180 100
 182 98.6 75.2 112.8
 184 27.7 23.9 35.9
 145 27.4 22.7 34.1

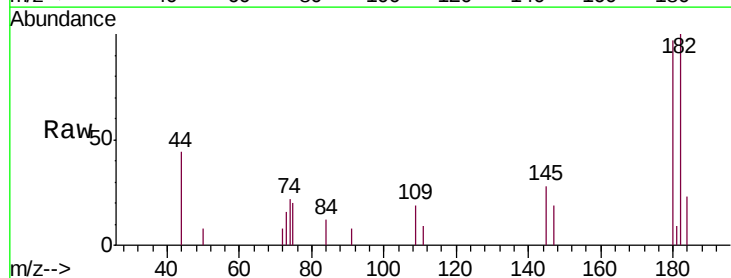


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

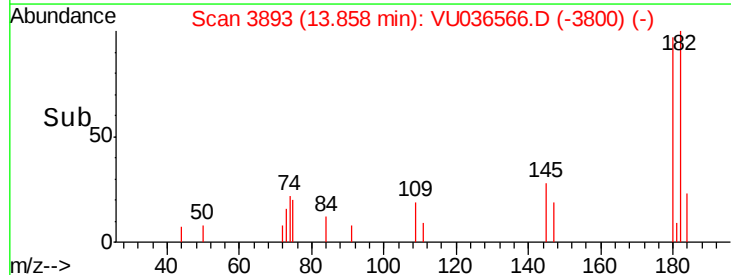
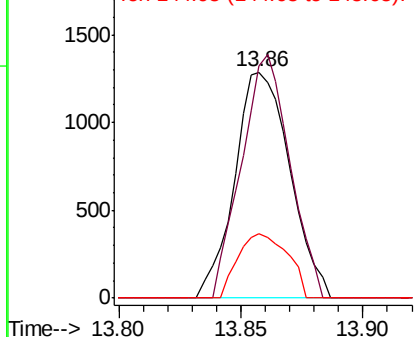


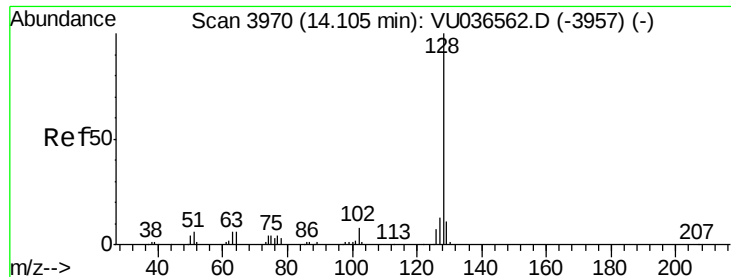
#70
 1,2,4-trichlorobenzene
 Concen: 0.172 ug/L
 RT: 13.86 min Scan# 3893
 Delta R.T. 0.00 min
 Lab File: VU036566.D
 Acq: 27 Jan 2020 14:24

Tgt Ion:180 Resp: 2021
 Ion Ratio Lower Upper
 180 100
 182 94.3 76.2 114.4
 145 25.6 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

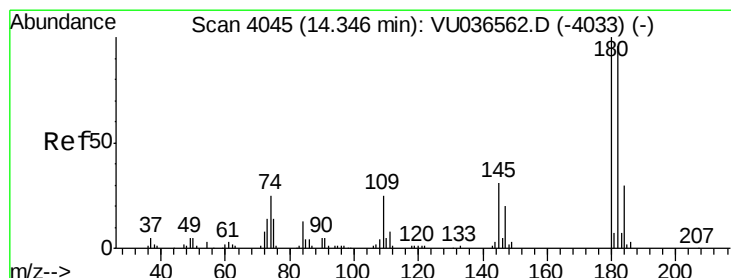
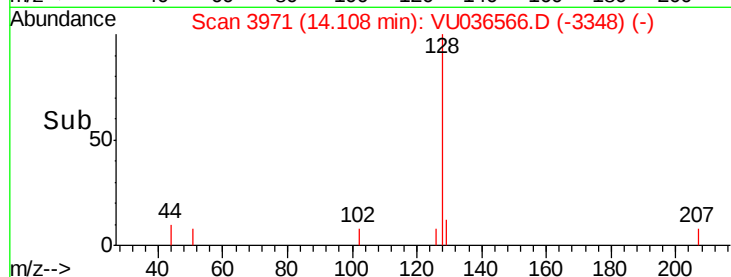
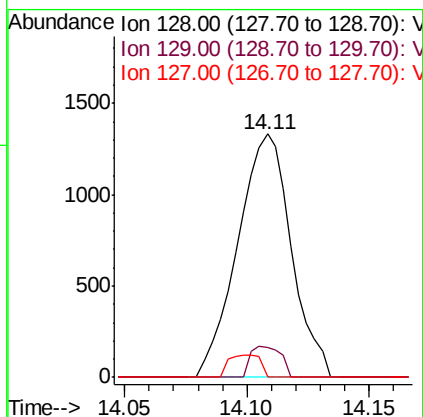
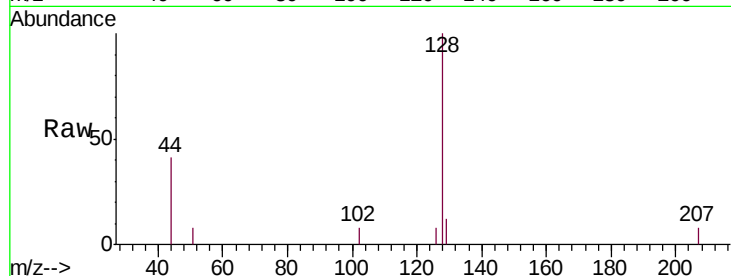




#71
Naphthalene
Concen: 0.121 ug/L
RT: 14.11 min Scan# 3971
Delta R.T. 0.00 min
Lab File: VU036566.D
Acq: 27 Jan 2020 14:24

Instrument :
MSVOA_U
ClientSampleId :
MDL05

Tgt Ion:128 Resp: 2026
Ion Ratio Lower Upper
128 100
129 7.1 8.4 12.6#
127 5.4 9.9 14.9#



#72
1,2,3-Trichlorobenzene
Concen: 0.180 ug/L
RT: 14.35 min Scan# 4046
Delta R.T. 0.00 min
Lab File: VU036566.D
Acq: 27 Jan 2020 14:24

Tgt Ion:180 Resp: 1913
Ion Ratio Lower Upper
180 100
182 102.7 76.2 114.2
145 26.7 25.6 38.4

