

Data File : VU036565.D
Acq On : 27 Jan 2020 13:51
Operator : JC/MD
Sample : MDL04
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
MDL04

Quant Time: Jan 28 01:20:46 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	157935	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.45	117	148697	5.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.83	152	70207	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	35300	4.06	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	81.20%
7) Chloroethane-d5	1.93	69	34348	4.36	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	87.20%
11) 1,1-Dichloroethene-d2	2.59	65	15578	4.35	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	87.00%
20) 2-Butanone-d5	4.69	46	80944	42.30	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	84.60%
24) Chloroform-d	5.11	84	71179	4.33	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	86.60%
26) 1,2-Dichloroethane-d4	5.75	65	38589	4.52	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	90.40%
32) Benzene-d6	5.77	84	159872	4.52	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	90.40%
36) 1,2-Dichloropropane-d6	6.73	67	50460	4.60	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	92.00%
41) Toluene-d8	7.93	98	154381	4.47	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	89.40%
43) trans-1,3-Dichloropropene-	8.21	79	20215	4.64	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	92.80%
46) 2-Hexanone-d5	8.67	63	99972	49.39	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	98.78%
56) 1,1,2,2-Tetrachloroethane-	10.78	84	41316	4.66	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	93.20%
66) 1,2-Dichlorobenzene-d4	12.21	152	57130	4.69	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	93.80%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.39	85	2768	0.239 ug/L	98
3) Chloromethane	1.54	50	3076	0.252 ug/L	90
5) Vinyl chloride	1.62	62	3221	0.243 ug/L #	69
6) Bromomethane	1.88	94	1948	0.253 ug/L	93
8) Chloroethane	1.95	64	2423	0.295 ug/L	92
9) Trichlorofluoromethane	2.16	101	3655	0.237 ug/L	98
10) 1,1,2-Trichloro-1,2,2-trif	2.60	101	2842	0.298 ug/L	89
12) 1,1-Dichloroethene	2.60	96	2725	0.289 ug/L #	1
13) Acetone	2.67	43	6588	4.619 ug/L	99
14) Carbon disulfide	2.82	76	7329	0.247 ug/L	100
15) Methyl Acetate	3.00	43	856	0.235 ug/L #	51
16) Methylene chloride	3.08	84	4695	0.366 ug/L	98
17) Methyl tert-butyl Ether	3.41	73	5808	0.245 ug/L	98
18) trans-1,2-Dichloroethene	3.39	96	2519	0.248 ug/L	90
19) 1,1-Dichloroethane	3.92	63	4291	0.243 ug/L	96
21) 2-Butanone	4.77	43	7506	3.254 ug/L	99
22) cis-1,2-Dichloroethene	4.72	96	2792	0.247 ug/L	99

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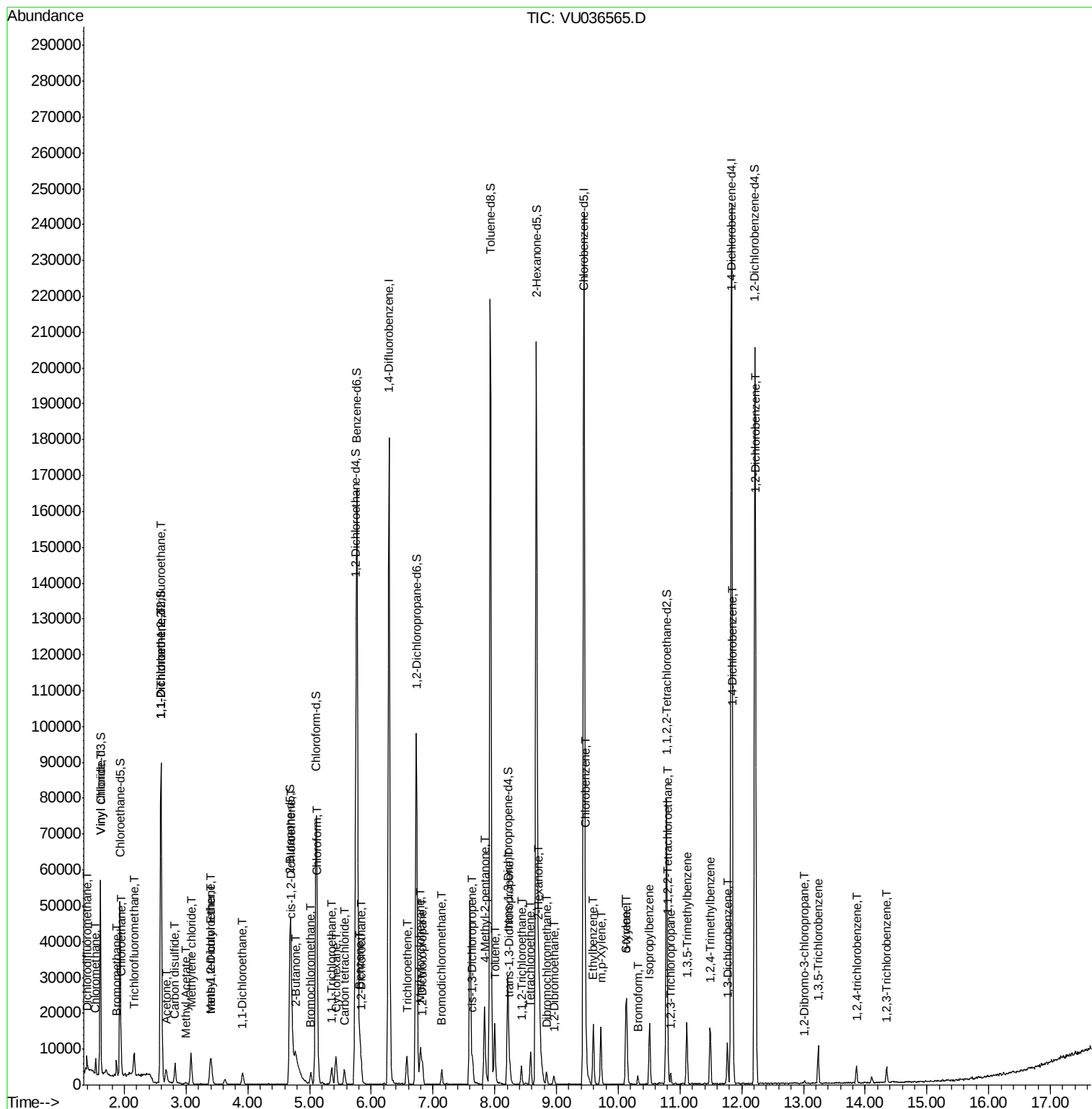
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	5.02	128	1061	0.223	ug/L #	95
25) Chloroform	5.13	83	4999	0.283	ug/L	99
27) 1,2-Dichloroethane	5.84	62	2786	0.252	ug/L	99
29) 1,1,1-Trichloroethane	5.36	97	3684	0.248	ug/L	93
30) Cyclohexane	5.43	56	4002	0.236	ug/L	99
31) Carbon tetrachloride	5.57	117	2759	0.219	ug/L	94
33) Benzene	5.82	78	10464	0.250	ug/L	100
34) Trichloroethene	6.58	95	2726	0.246	ug/L	91
35) Methylcyclohexane	6.80	83	4775	0.252	ug/L	94
37) 1,2-Dichloropropane	6.83	63	2603	0.251	ug/L #	88
38) Bromodichloromethane	7.14	83	3013	0.237	ug/L	98
39) cis-1,3-Dichloropropene	7.64	75	3606	0.225	ug/L	92
40) 4-Methyl-2-pentanone	7.84	43	15818	2.707	ug/L #	87
42) Toluene	8.00	91	12589	0.273	ug/L	96
44) trans-1,3-Dichloropropene	8.24	75	3450	0.280	ug/L	87
45) 1,1,2-Trichloroethane	8.43	97	1914	0.249	ug/L	95
47) Tetrachloroethene	8.58	164	2282	0.253	ug/L	94
48) 2-Hexanone	8.72	43	12526	3.107	ug/L	97
49) Dibromochloromethane	8.84	129	1968	0.224	ug/L	94
50) 1,2-Dibromoethane	8.96	107	1779	0.238	ug/L #	93
51) Chlorobenzene	9.47	112	7946	0.268	ug/L	94
52) Ethylbenzene	9.60	91	12451	0.248	ug/L	93
53) m,p-Xylene	9.72	106	4716	0.242	ug/L	96
54) o-Xylene	10.12	106	4922	0.258	ug/L	91
55) Styrene	10.14	104	7712	0.246	ug/L	94
57) 1,1,2,2-Tetrachloroethane	10.81	83	2427	0.252	ug/L #	80
59) Bromoform	10.32	173	1099	0.233	ug/L #	90
60) Isopropylbenzene	10.51	105	12319	0.260	ug/L	99
61) 1,2,3-Trichloropropane	10.85	75	1812	0.277	ug/L #	81
62) 1,3,5-Trimethylbenzene	11.11	105	10121	0.249	ug/L	98
63) 1,2,4-Trimethylbenzene	11.49	105	10046	0.249	ug/L	97
64) 1,3-Dichlorobenzene	11.77	146	5669	0.256	ug/L	97
65) 1,4-Dichlorobenzene	11.86	146	5708	0.258	ug/L	98
67) 1,2-Dichlorobenzene	12.23	146	5264	0.249	ug/L	98
68) 1,2-Dibromo-3-chloropropan	13.01	75	364	0.263	ug/L #	76
69) 1,3,5-Trichlorobenzene	13.24	180	3631	0.214	ug/L	97
70) 1,2,4-trichlorobenzene	13.86	180	2060	0.167	ug/L	96
72) 1,2,3-Trichlorobenzene	14.35	180	1802	0.161	ug/L	97

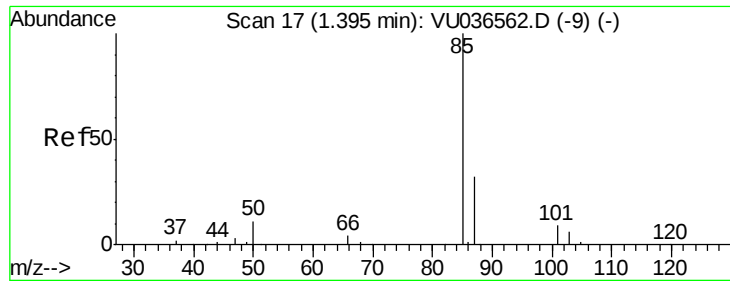
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VU036565.D

Acq: 27 Jan 2020 13:51

Instrument :

MSVOA_U

ClientSampleId :

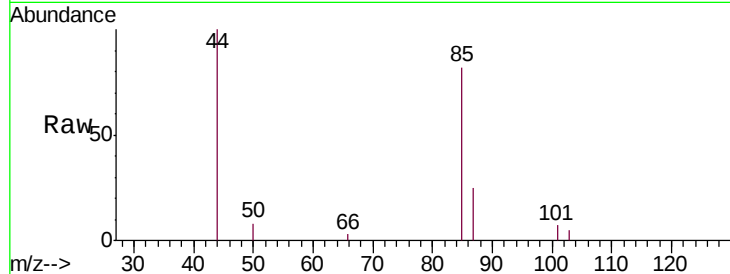
MDL04

Tgt Ion: 85 Resp: 2768

Ion Ratio Lower Upper

85 100

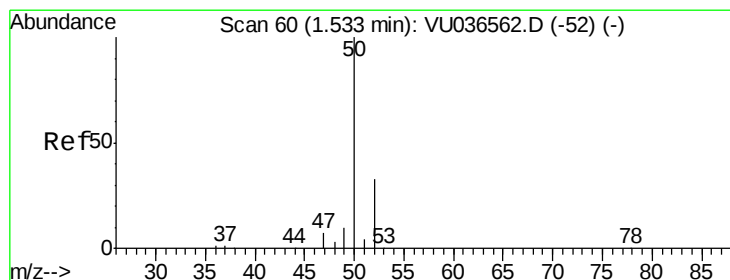
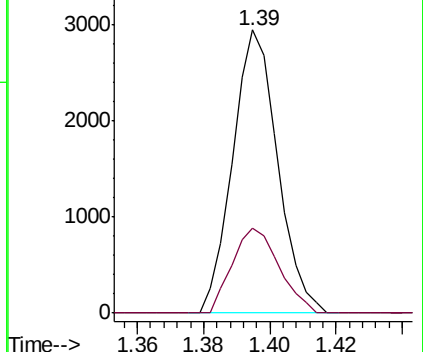
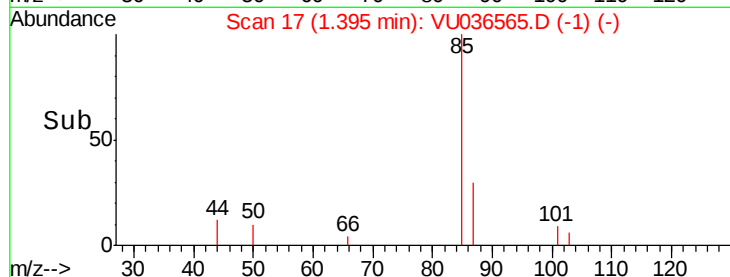
87 31.3 26.0 39.0



Abundance Ion 85.00 (84.70 to 85.70): VU036565.D (-1) (-)

Ion 87.00 (86.70 to 87.70): VU036565.D (-1) (-)

Time-->



#3

Chloromethane

Concen: 0.252 ug/L

RT: 1.54 min Scan# 61

Delta R.T. 0.00 min

Lab File: VU036565.D

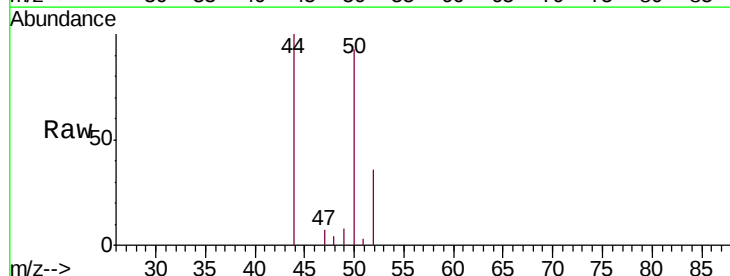
Acq: 27 Jan 2020 13:51

Tgt Ion: 50 Resp: 3076

Ion Ratio Lower Upper

50 100

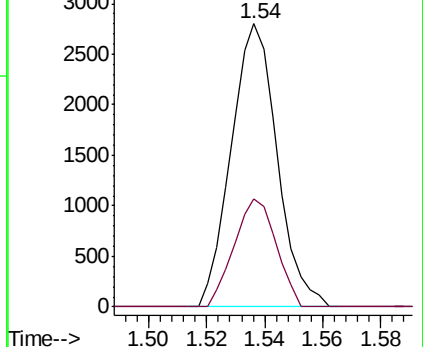
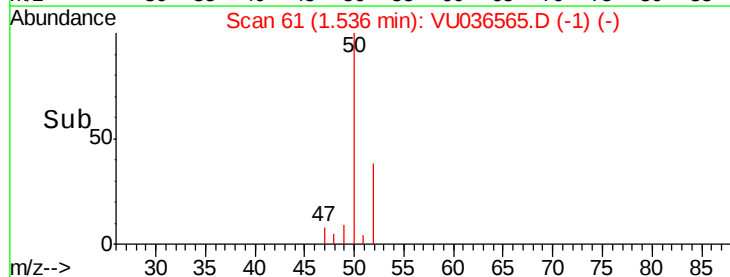
52 38.2 22.7 42.3

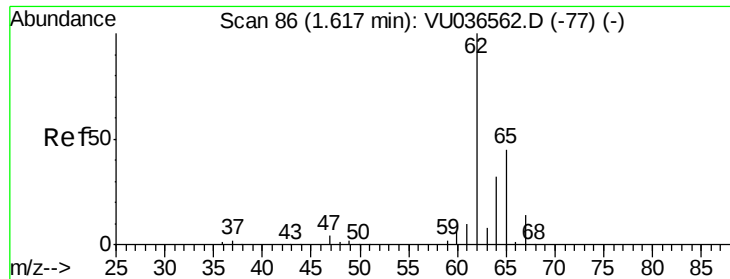


Abundance Ion 50.05 (49.75 to 50.75): VU036565.D (-1) (-)

Ion 52.05 (51.75 to 52.75): VU036565.D (-1) (-)

Time-->





#5

Vinyl chloride

Concen: 0.243 ug/L

RT: 1.62 min Scan# 86

Delta R.T. 0.00 min

Lab File: VU036565.D

Acq: 27 Jan 2020 13:51

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ClientSampleId :

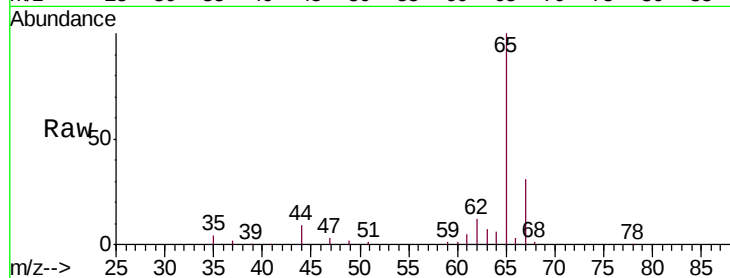
MDL04

Tgt Ion: 62 Resp: 3221

Ion Ratio Lower Upper

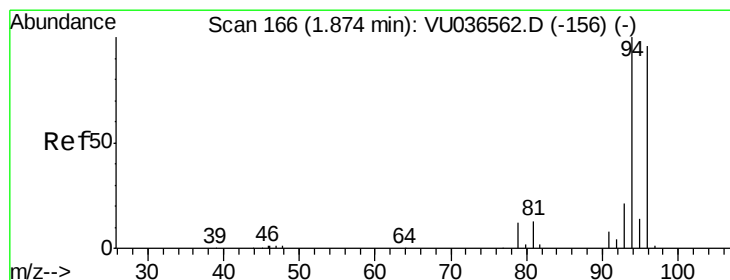
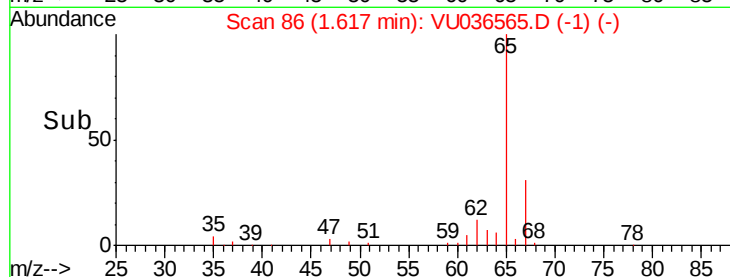
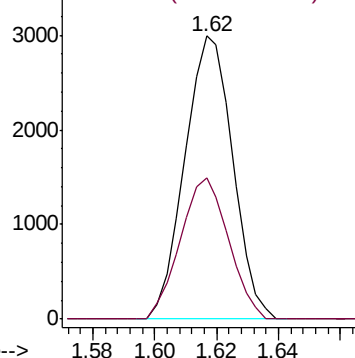
62 100

64 49.8 22.6 42.0#



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 64.10 (63.80 to 64.80): VU0



#6

Bromomethane

Concen: 0.253 ug/L

RT: 1.88 min Scan# 167

Delta R.T. 0.00 min

Lab File: VU036565.D

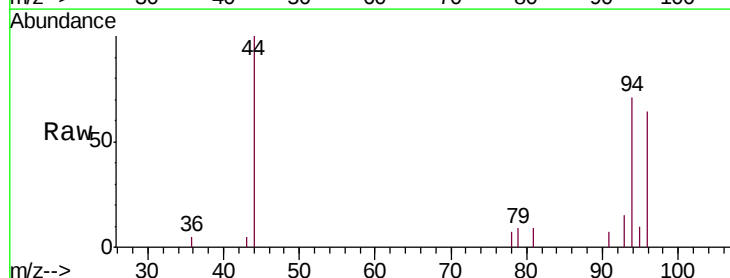
Acq: 27 Jan 2020 13:51

Tgt Ion: 94 Resp: 1948

Ion Ratio Lower Upper

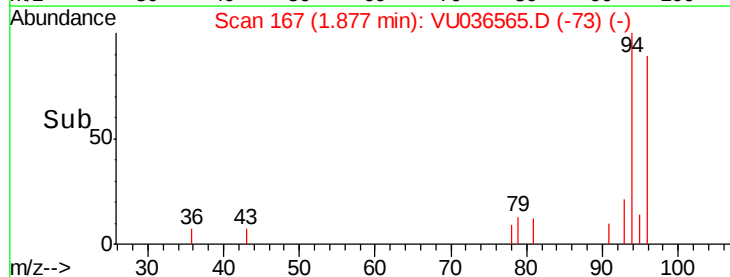
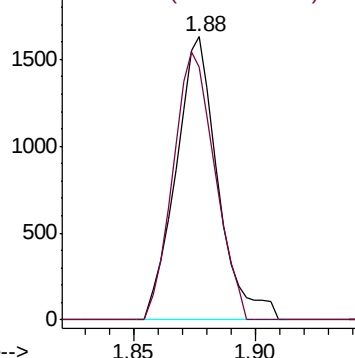
94 100

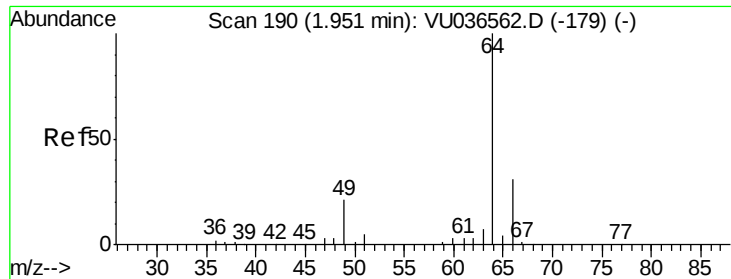
96 89.4 67.6 125.6



Abundance Ion 94.00 (93.70 to 94.70): VU0

Ion 96.00 (95.70 to 96.70): VU0

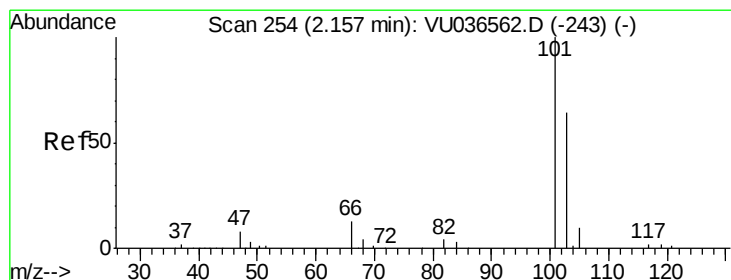
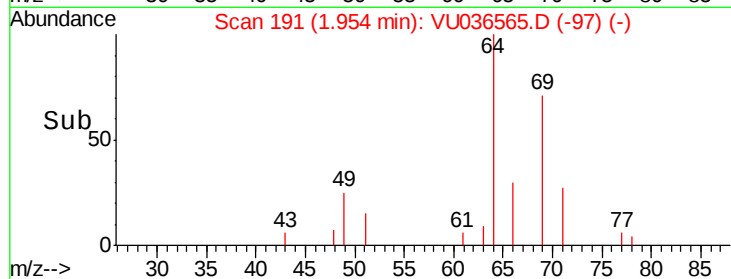
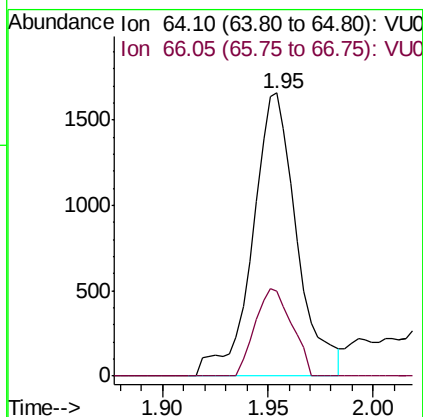
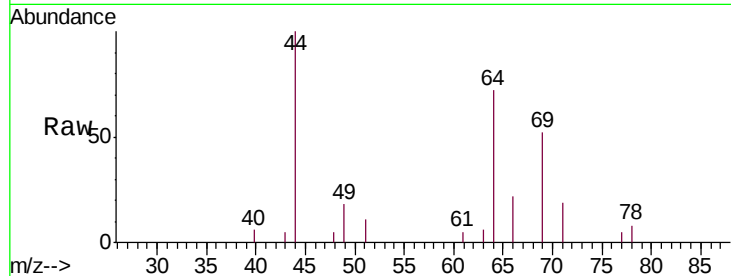




#8
Chloroethane
Concen: 0.295 ug/L
RT: 1.95 min Scan# 191
Delta R.T. 0.00 min
Lab File: VU036565.D
Acq: 27 Jan 2020 13:51

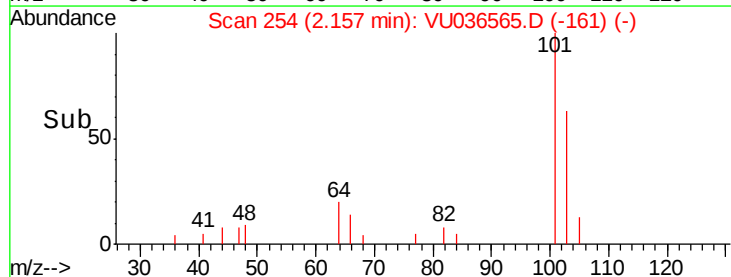
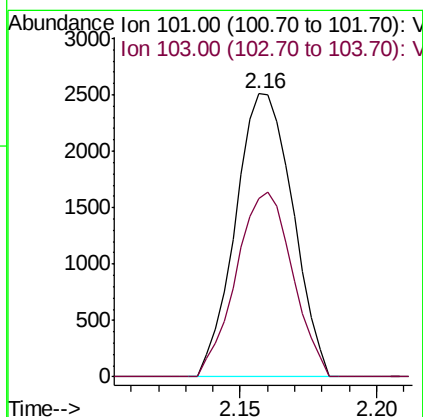
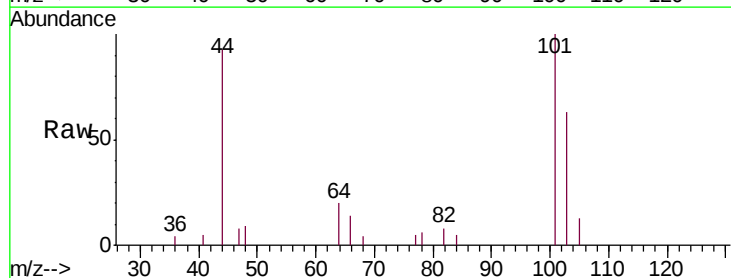
Instrument :
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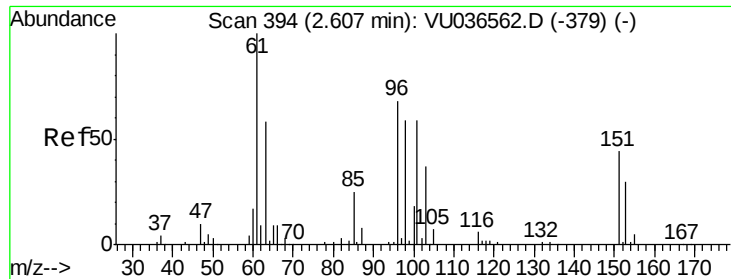
Tgt Ion: 64 Resp: 2423
Ion Ratio Lower Upper
64 100
66 30.1 24.1 44.8



#9
Trichlorofluoromethane
Concen: 0.237 ug/L
RT: 2.16 min Scan# 254
Delta R.T. 0.00 min
Lab File: VU036565.D
Acq: 27 Jan 2020 13:51

Tgt Ion: 101 Resp: 3655
Ion Ratio Lower Upper
101 100
103 64.2 52.5 78.7





#10

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

Concen: 0.298 ug/L

RT: 2.60 min Scan# 393

Delta R.T. -0.00 min

Lab File: VU036565.D

Acq: 27 Jan 2020 13:51

Instrument :

MSVOA_U

ClientSampleId :

MDL04

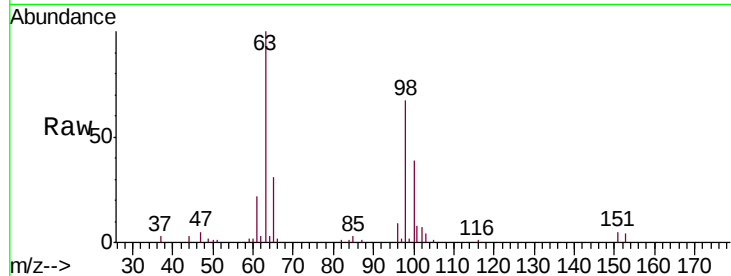
Tgt Ion:101 Resp: 2842

Ion Ratio Lower Upper

101 100

85 35.3 32.2 48.4

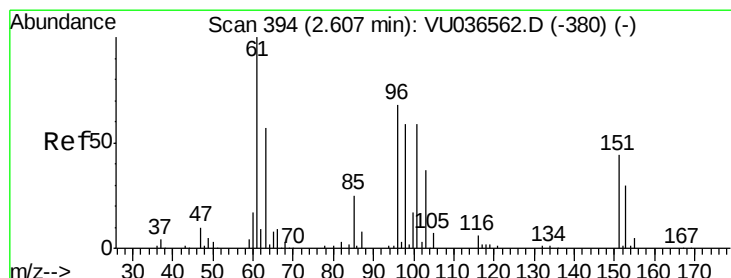
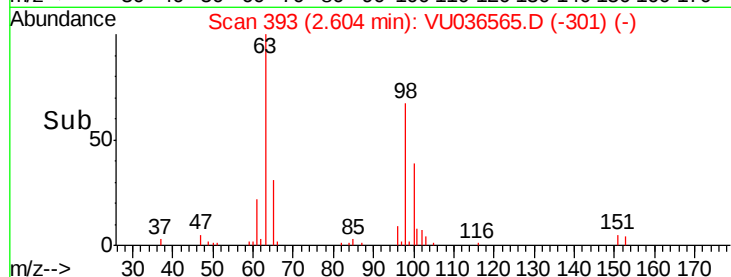
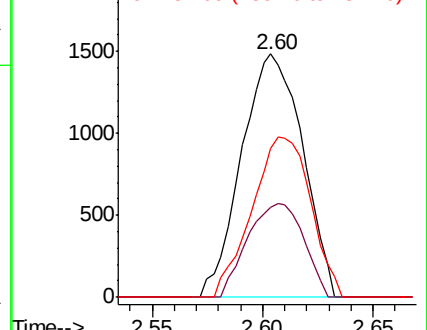
151 63.2 59.2 88.8



Abundance Ion 101.00 (100.70 to 101.70): V

2000 Ion 85.00 (84.70 to 85.70): VU0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 0.289 ug/L

RT: 2.60 min Scan# 393

Delta R.T. -0.00 min

Lab File: VU036565.D

Acq: 27 Jan 2020 13:51

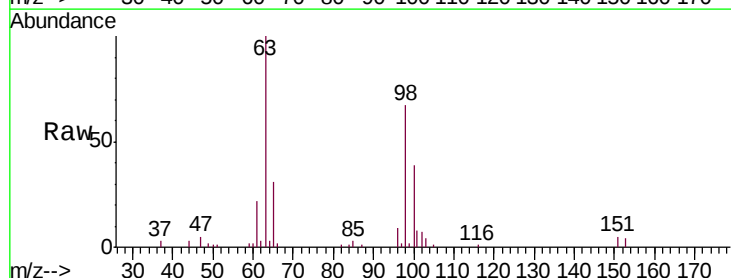
Tgt Ion: 96 Resp: 2725

Ion Ratio Lower Upper

96 100

61 252.6 108.2 201.0#

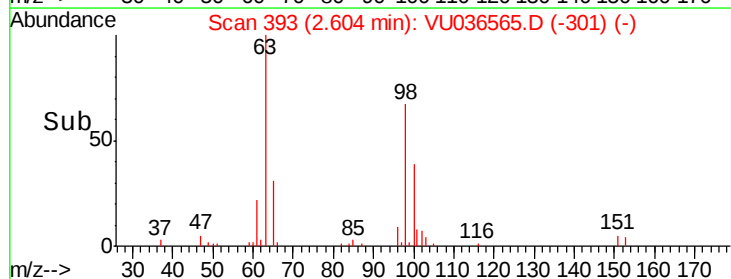
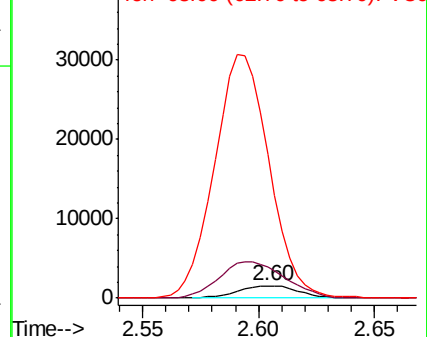
63 1159.6 72.0 133.8#

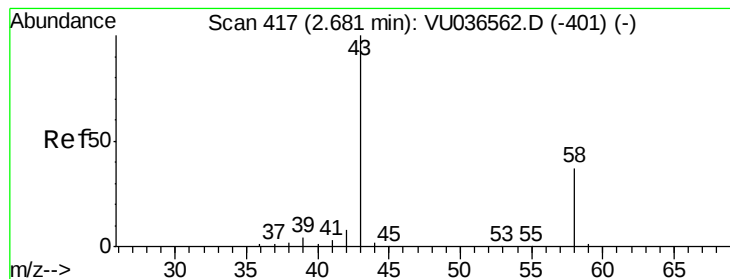


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 4.619 ug/L

RT: 2.67 min Scan# 415

Delta R.T. -0.01 min

Lab File: VU036565.D

Acq: 27 Jan 2020 13:51

Instrument :

MSVOA_U

ClientSampled :

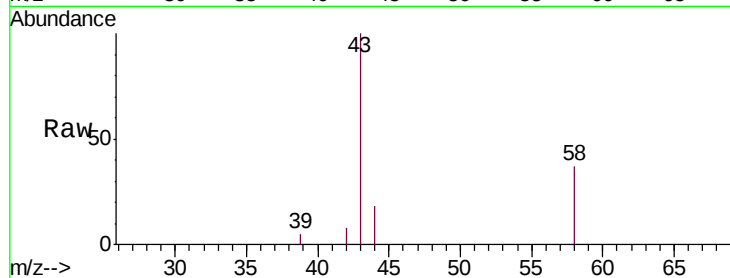
MDL04

Tgt Ion: 43 Resp: 6588

Ion Ratio Lower Upper

43 100

58 36.7 0.0 74.0



Abundance Ion 43.05 (42.75 to 43.75): VU036562.D (-401) (-)

Ion 58.05 (57.75 to 58.75): VU036562.D (-401) (-)

2.67

2500

2000

1500

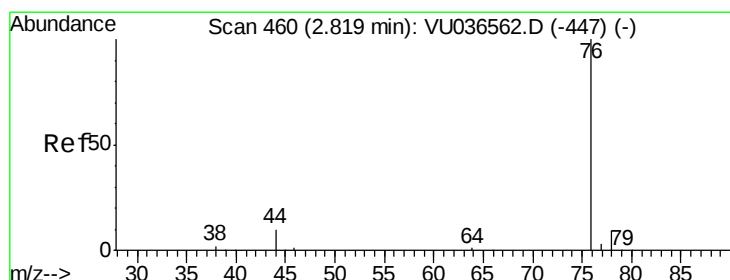
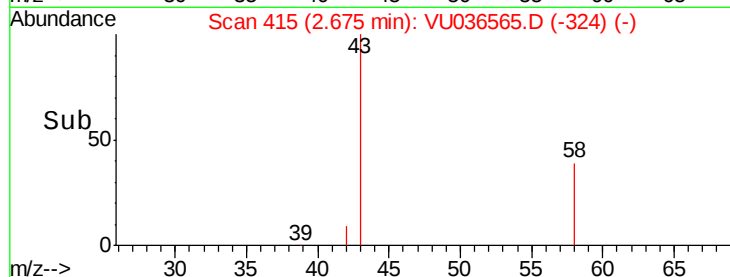
1000

500

0

Time-->

2.60 2.65 2.70 2.75



#14

Carbon disulfide

Concen: 0.247 ug/L

RT: 2.82 min Scan# 461

Delta R.T. 0.00 min

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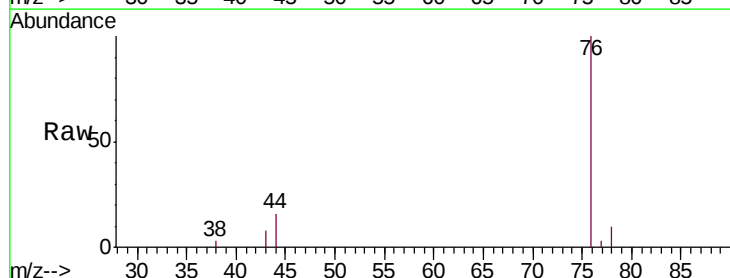
Acq: 27 Jan 2020 13:51

Tgt Ion: 76 Resp: 7329

Ion Ratio Lower Upper

76 100

78 9.5 7.5 11.3



Abundance Ion 76.05 (75.75 to 76.75): VU036562.D (-447) (-)

Ion 78.00 (77.70 to 78.70): VU036562.D (-447) (-)

2.82

5000

4000

3000

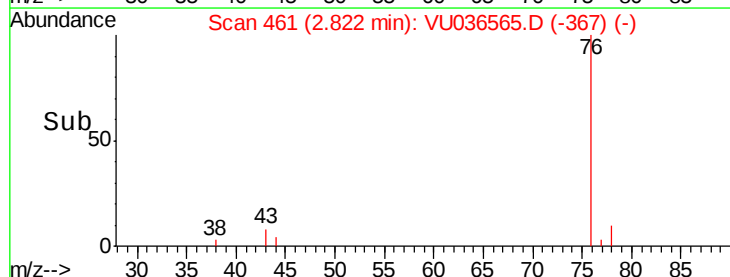
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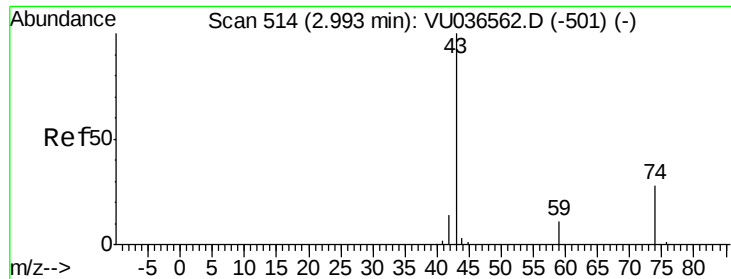
1000

0

Time-->

2.75 2.80 2.85





#15

Methyl Acetate

Concen: 0.235 ug/L

RT: 3.00 min Scan# 515

Delta R.T. 0.00 min

Lab File: VU036565.D

Acq: 27 Jan 2020 13:51

Instrument :

MSVOA_U

ClientSampled :

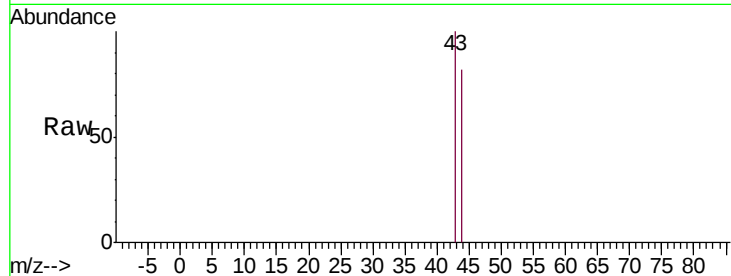
MDL04

Tgt Ion: 43 Resp: 856

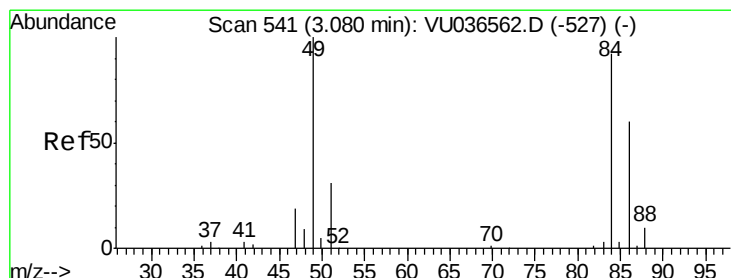
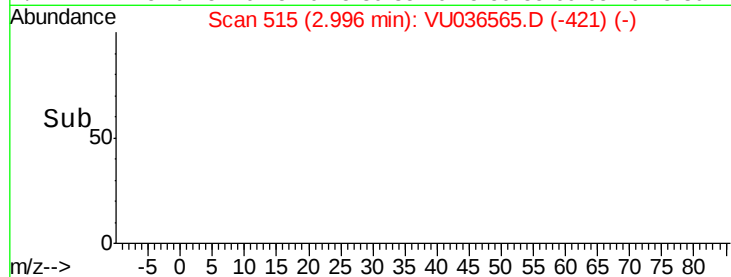
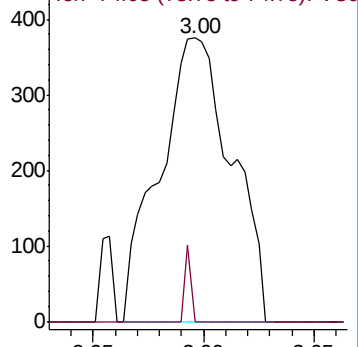
Ion Ratio Lower Upper

43 100

74 2.2 22.7 34.1#



Abundance Ion 43.05 (42.75 to 43.75): VU036565.D (-421) (-)



#16

Methylene chloride

Concen: 0.366 ug/L

RT: 3.08 min Scan# 542

Delta R.T. 0.00 min

Lab File: VU036565.D

Acq: 27 Jan 2020 13:51

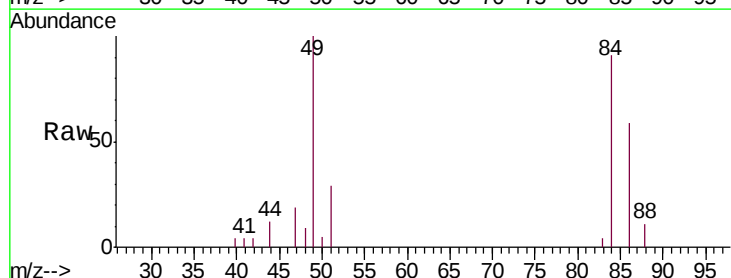
Tgt Ion: 84 Resp: 4695

Ion Ratio Lower Upper

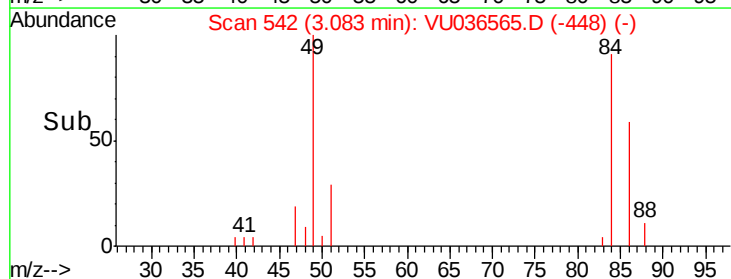
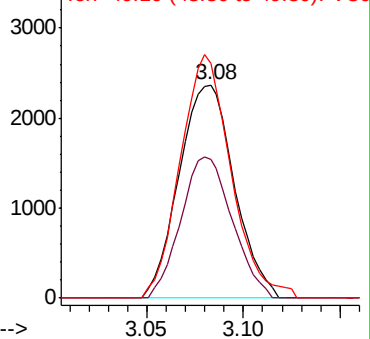
84 100

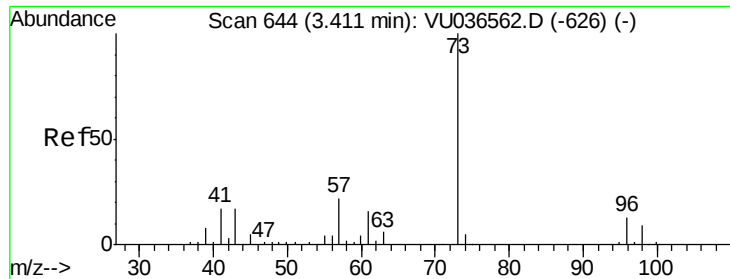
86 65.1 44.8 83.2

49 109.8 74.8 139.0



Abundance Ion 84.05 (83.75 to 84.75): VU036565.D (-448) (-)





#17

Methyl tert-butyl Ether

Concen: 0.245 ug/L

RT: 3.41 min Scan# 644

Delta R.T. 0.00 min

Lab File: VU036565.D

Acq: 27 Jan 2020 13:51

Instrument :

MSVOA_U

ClientSampleId :

MDL04

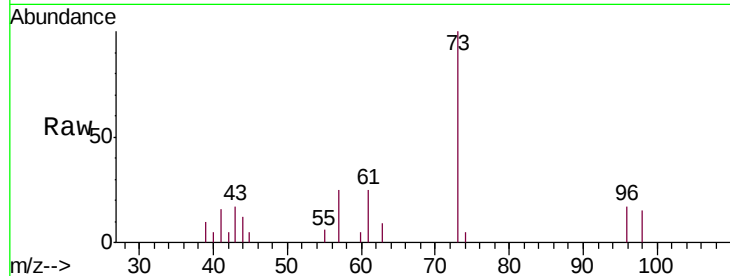
Tgt Ion: 73 Resp: 5808

Ion Ratio Lower Upper

73 100

43 19.9 14.6 21.8

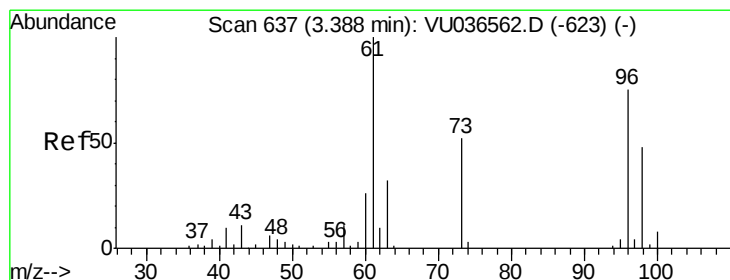
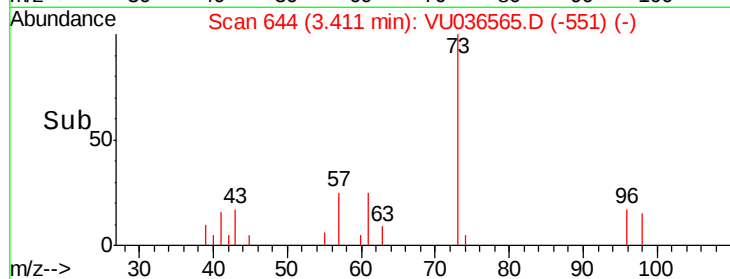
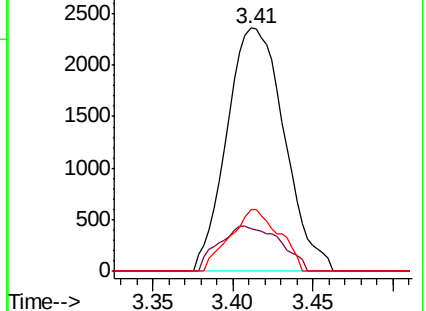
57 21.7 17.0 25.6



Abundance Ion 73.10 (72.80 to 73.80): VU036562.D (-626) (-)

Ion 43.05 (42.75 to 43.75): VU036562.D (-626) (-)

Ion 57.10 (56.80 to 57.80): VU036562.D (-626) (-)



#18

trans-1,2-Dichloroethene

Concen: 0.248 ug/L

RT: 3.39 min Scan# 638

Delta R.T. 0.00 min

Lab File: VU036565.D

Acq: 27 Jan 2020 13:51

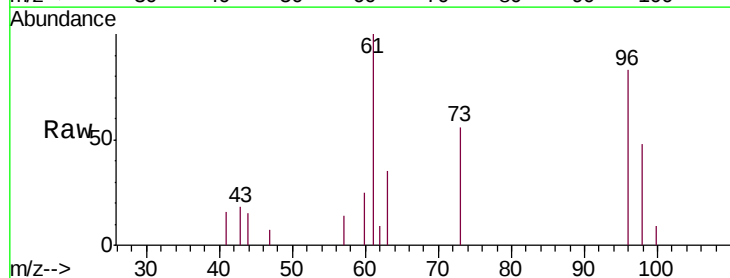
Tgt Ion: 96 Resp: 2519

Ion Ratio Lower Upper

96 100

61 120.1 93.1 172.9

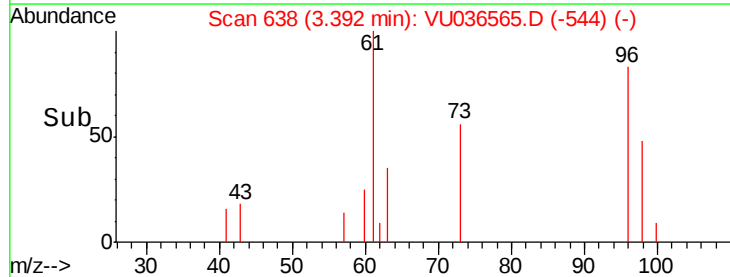
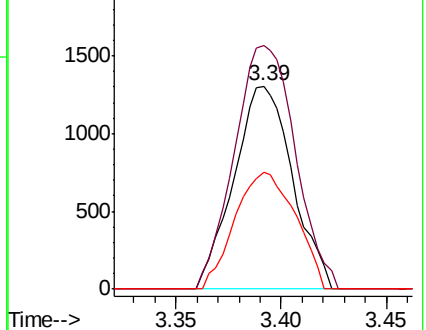
98 57.5 45.5 84.5

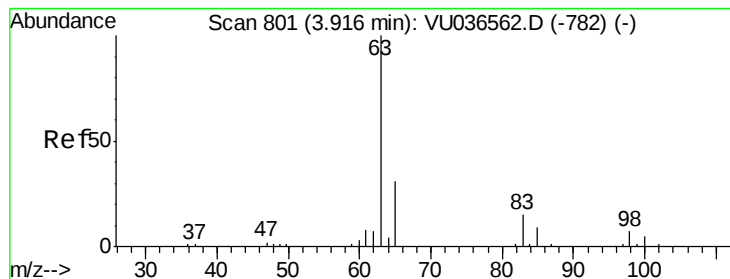


Abundance Ion 96.00 (95.70 to 96.70): VU036562.D (-623) (-)

Ion 61.05 (60.75 to 61.75): VU036562.D (-623) (-)

Ion 97.95 (97.65 to 98.65): VU036562.D (-623) (-)





#19

1,1-Dichloroethane

Concen: 0.243 ug/L

RT: 3.92 min Scan# 802

Delta R.T. 0.00 min

Lab File: VU036565.D

Acq: 27 Jan 2020 13:51

Instrument :

MSVOA_U

ClientSampleId :

MDL04

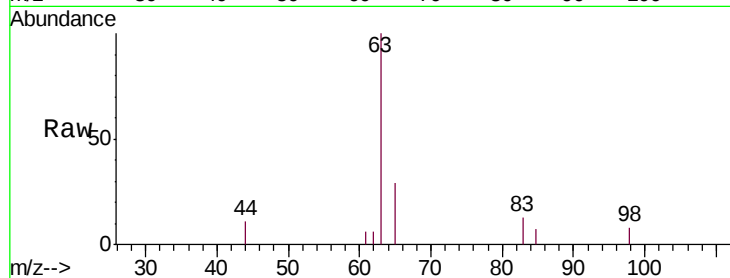
Tgt Ion: 63 Resp: 4291

Ion Ratio Lower Upper

63 100

65 29.2 21.8 40.6

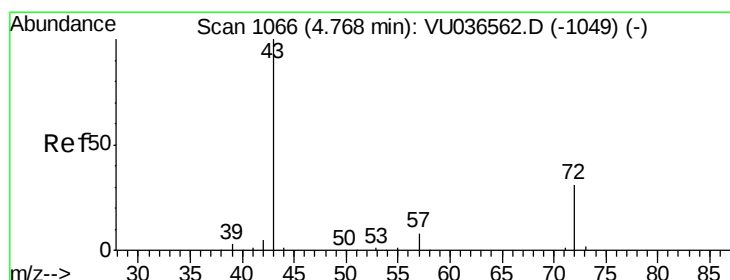
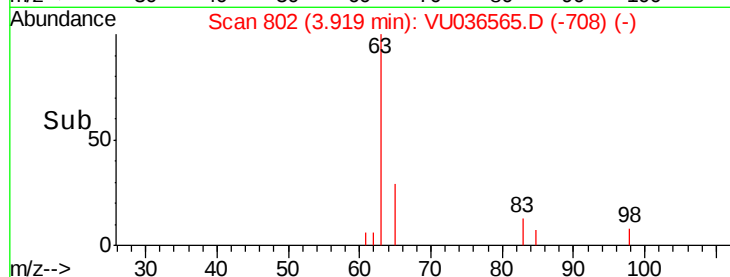
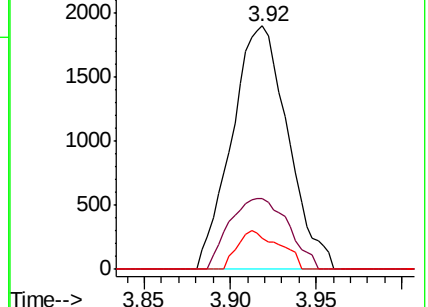
83 12.5 9.8 18.2



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: 3.254 ug/L

RT: 4.77 min Scan# 1067

Delta R.T. 0.00 min

Lab File: VU036565.D

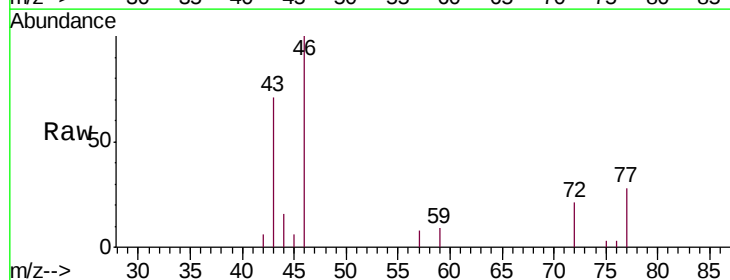
Acq: 27 Jan 2020 13:51

Tgt Ion: 43 Resp: 7506

Ion Ratio Lower Upper

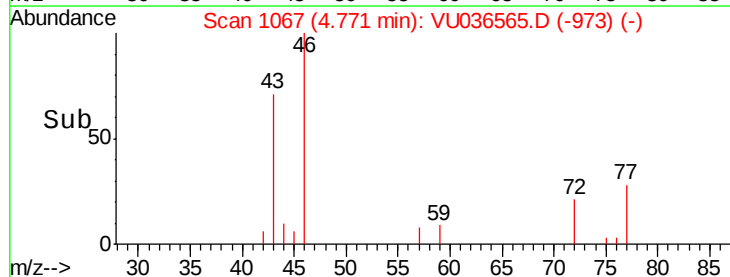
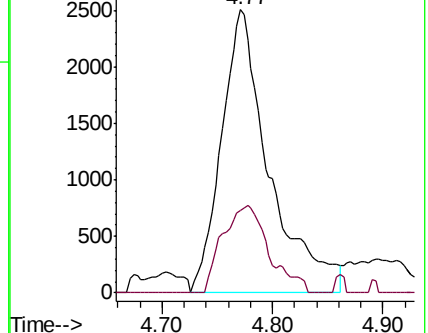
43 100

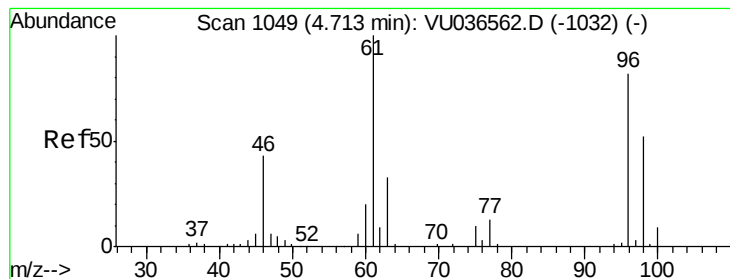
72 30.1 15.4 46.4



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: 0.247 ug/L

RT: 4.72 min Scan# 1050

Delta R.T. 0.00 min

Lab File: VU036565.D

Acq: 27 Jan 2020 13:51

Instrument :

MSVOA_U

ClientSampleId :

MDL04

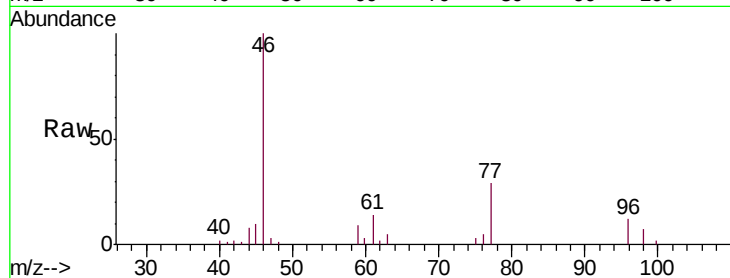
Tgt Ion: 96 Resp: 2792

Ion Ratio Lower Upper

96 100

61 117.1 83.0 154.1

98 61.7 43.8 81.3

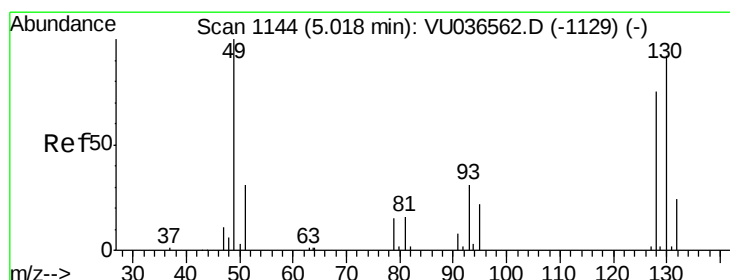
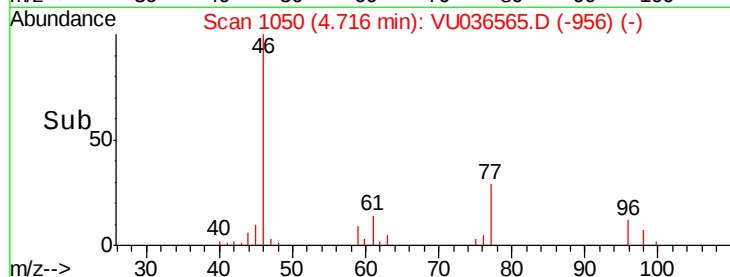
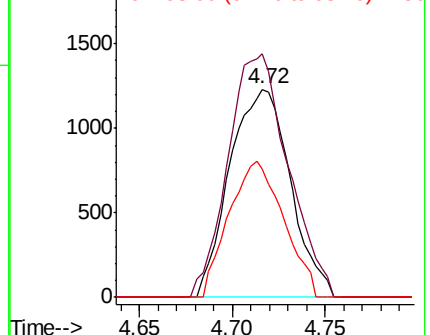


Abundance

Ion 96.00 (95.70 to 96.70): VU036565.D (-956) (-)

Ion 61.05 (60.75 to 61.75): VU036565.D (-956) (-)

Ion 98.00 (97.70 to 98.70): VU036565.D (-956) (-)



#23

Bromochloromethane

Concen: 0.223 ug/L

RT: 5.02 min Scan# 1146

Delta R.T. 0.01 min

Lab File: VU036565.D

Acq: 27 Jan 2020 13:51

Tgt Ion: 128 Resp: 1061

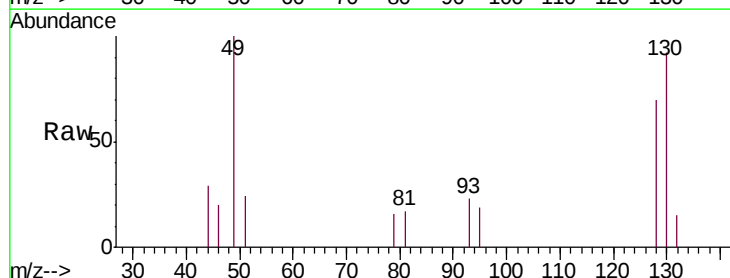
Ion Ratio Lower Upper

128 100

49 143.2 98.6 183.2

130 132.3 89.1 165.5

51 34.8 35.4 53.2#



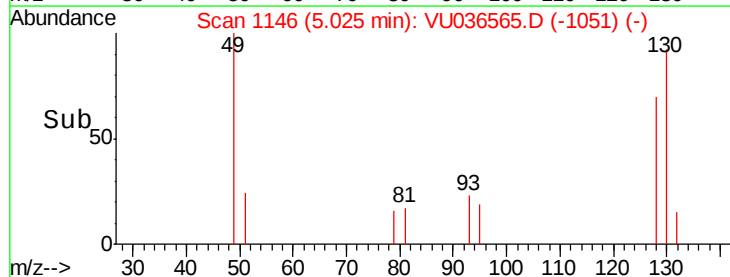
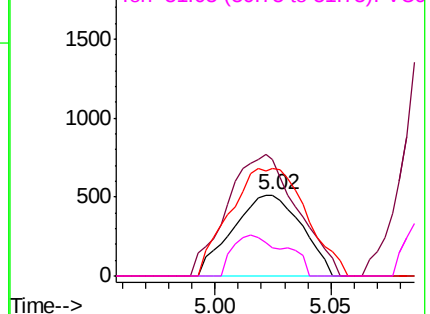
Abundance

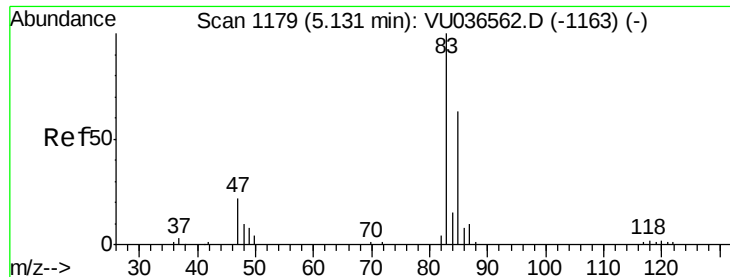
Ion 127.90 (127.60 to 128.60): VU036565.D (-1051) (-)

Ion 49.10 (48.80 to 49.80): VU036565.D (-1051) (-)

Ion 129.95 (129.65 to 130.65): VU036565.D (-1051) (-)

Ion 51.05 (50.75 to 51.75): VU036565.D (-1051) (-)

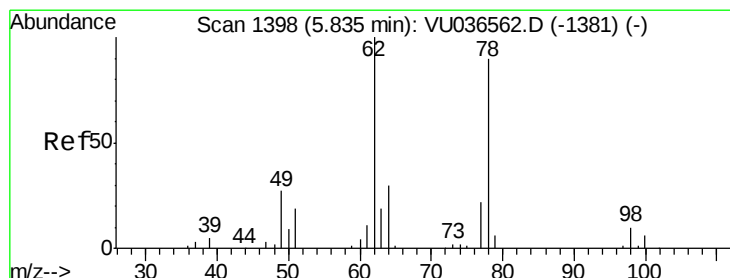
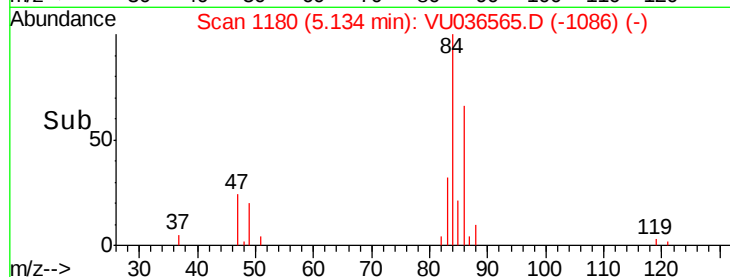
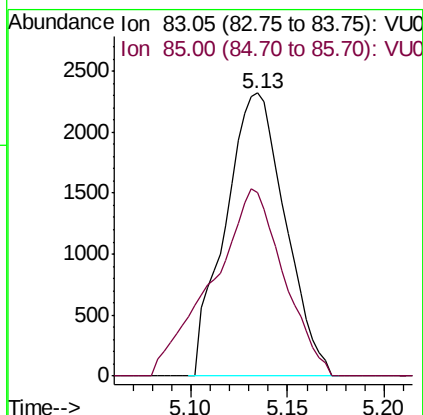
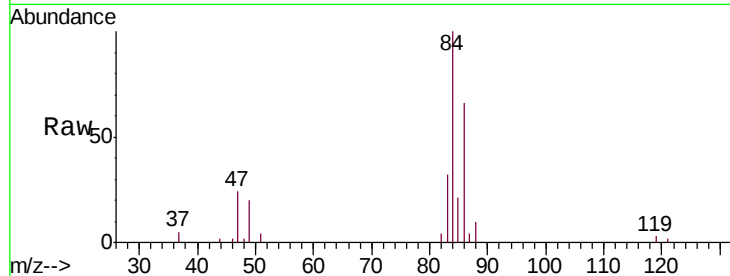




#25
Chloroform
Concen: 0.283 ug/L
RT: 5.13 min Scan# 1180
Delta R.T. 0.00 min
Lab File: VU036565.D
Acq: 27 Jan 2020 13:51

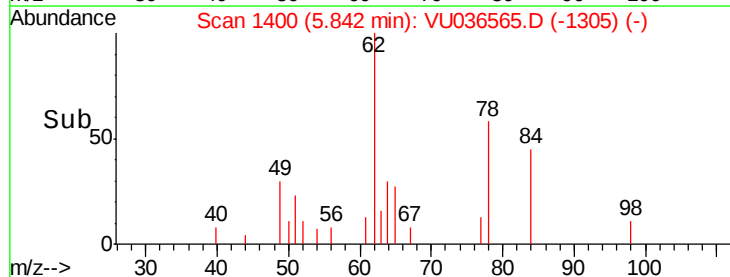
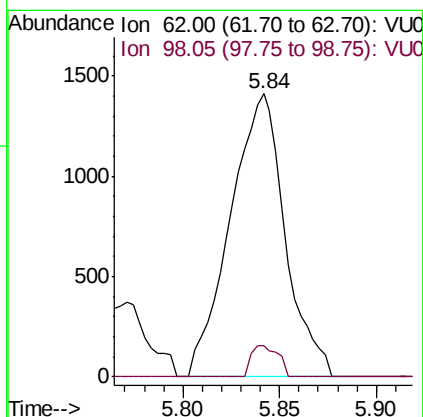
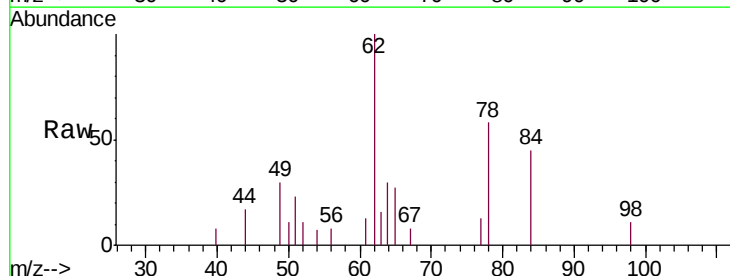
Instrument :
MSVOA_U
ClientSampled :
MDL04

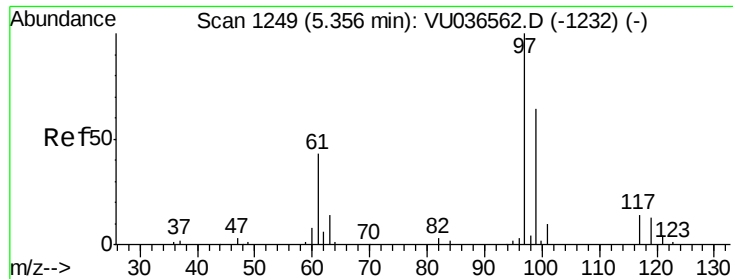
Tgt Ion: 83 Resp: 4999
Ion Ratio Lower Upper
83 100
85 64.7 45.7 84.9



#27
1,2-Dichloroethane
Concen: 0.252 ug/L
RT: 5.84 min Scan# 1400
Delta R.T. 0.01 min
Lab File: VU036565.D
Acq: 27 Jan 2020 13:51

Tgt Ion: 62 Resp: 2786
Ion Ratio Lower Upper
62 100
98 10.9 8.5 12.7

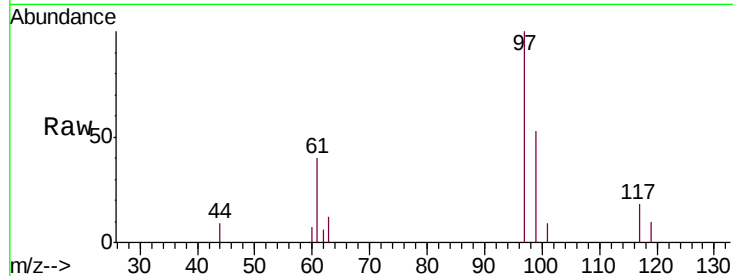




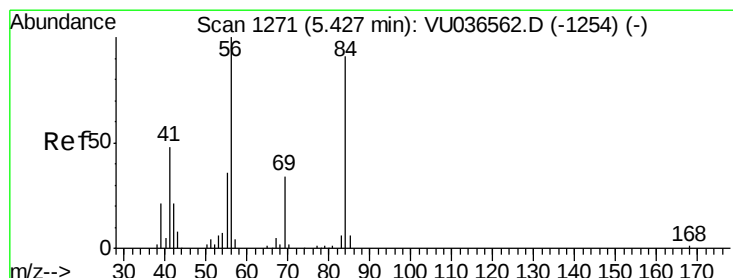
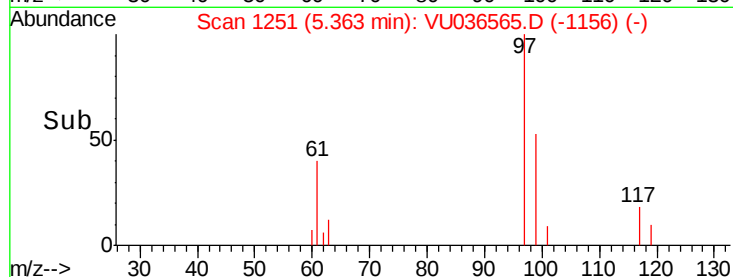
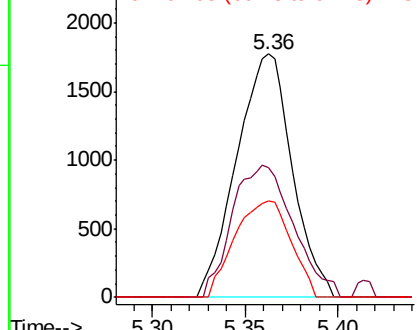
#29
 1,1,1-Trichloroethane
 Concen: 0.248 ug/L
 RT: 5.36 min Scan# 1251
 Delta R.T. 0.01 min
 Lab File: VU036565.D
 Acq: 27 Jan 2020 13:51

Instrument :
 MSVOA_U
 ClientSampleId :
 MDL04

Tgt Ion: 97 Resp: 3684
 Ion Ratio Lower Upper
 97 100
 99 60.0 52.0 78.0
 61 40.1 35.6 53.4

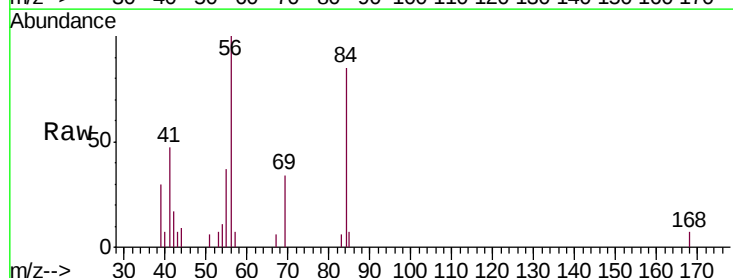


Abundance Ion 96.95 (96.65 to 97.65): VU0
 Ion 99.05 (98.75 to 99.75): VU0
 Ion 61.05 (60.75 to 61.75): VU0

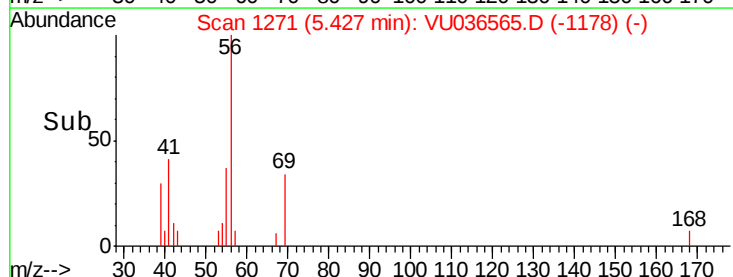
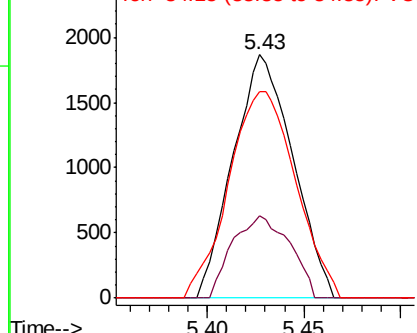


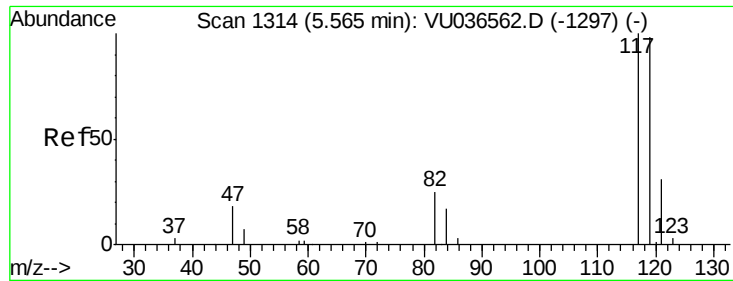
#30
 Cyclohexane
 Concen: 0.236 ug/L
 RT: 5.43 min Scan# 1271
 Delta R.T. 0.00 min
 Lab File: VU036565.D
 Acq: 27 Jan 2020 13:51

Tgt Ion: 56 Resp: 4002
 Ion Ratio Lower Upper
 56 100
 69 32.3 25.7 38.5
 84 94.9 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: 0.219 ug/L

RT: 5.57 min Scan# 1314

Delta R.T. 0.00 min

Lab File: VU036565.D

Acq: 27 Jan 2020 13:51

Instrument :

MSVOA_U

ClientSampleId :

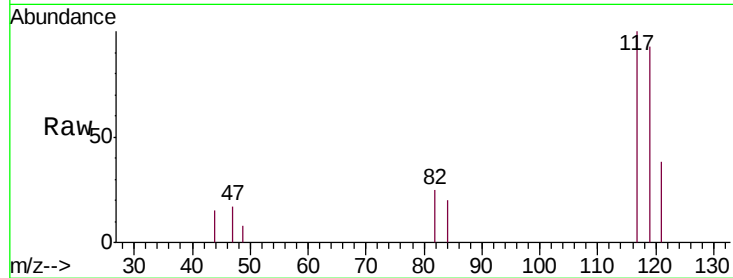
MDL04

Tgt Ion:117 Resp: 2759

Ion Ratio Lower Upper

117 100

119 100.8 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

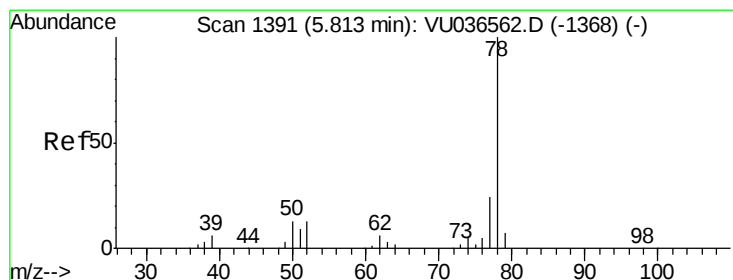
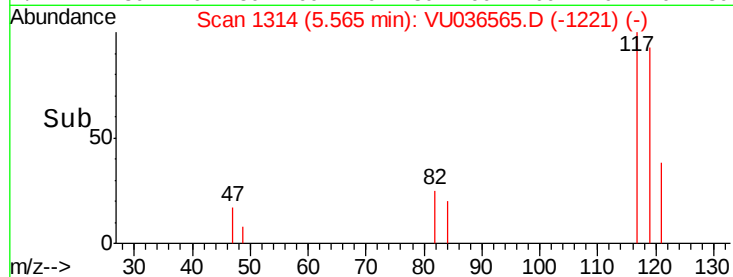
0

Time-->

5.50

5.55

5.60



#33

Benzene

Concen: 0.250 ug/L

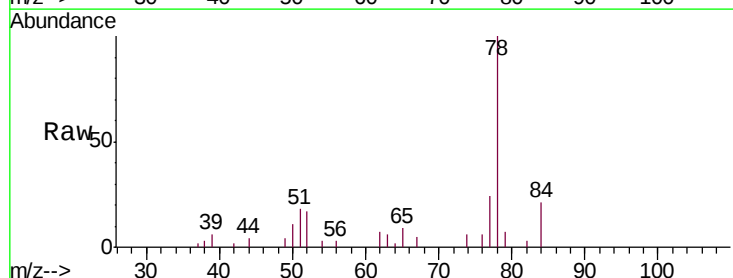
RT: 5.82 min Scan# 1392

Delta R.T. 0.00 min

Lab File: VU036565.D

Acq: 27 Jan 2020 13:51

Tgt Ion: 78 Resp: 10464



Abundance Ion 78.10 (77.80 to 78.80): VU0

6000

5000

4000

3000

2000

1000

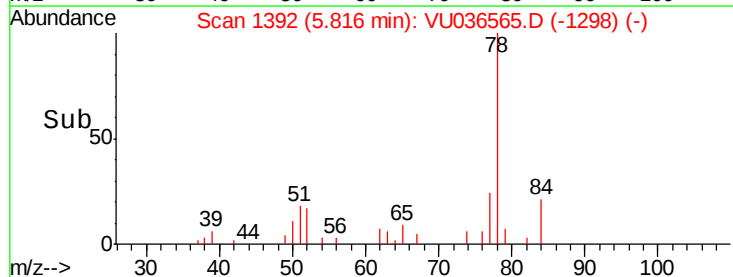
0

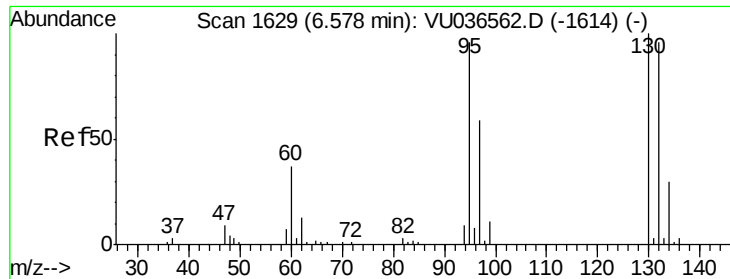
Time-->

5.75

5.80

5.85

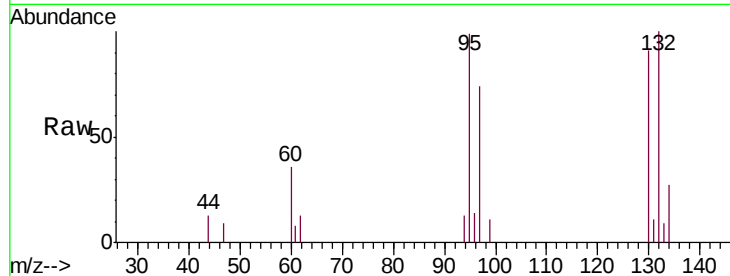




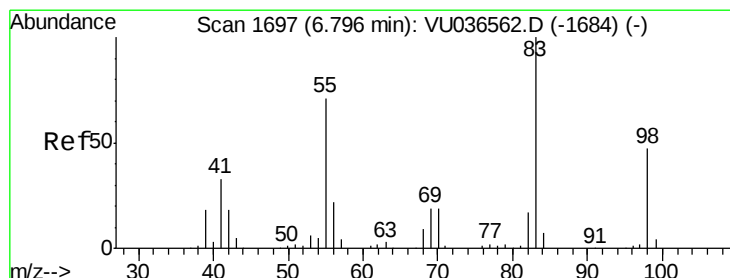
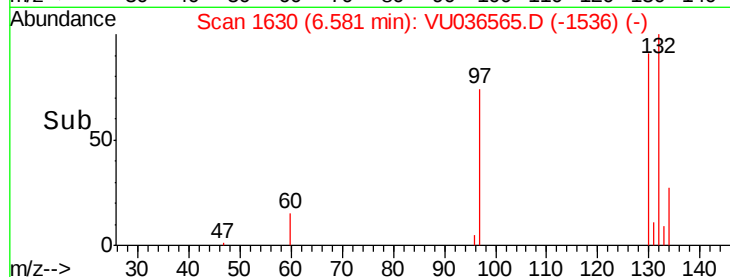
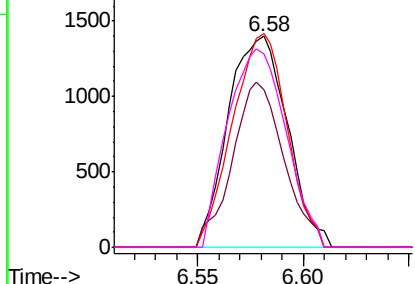
#34
 Trichloroethene
 Concen: 0.246 ug/L
 RT: 6.58 min Scan# 1630
 Delta R.T. 0.00 min
 Lab File: VU036565.D
 Acq: 27 Jan 2020 13:51

Instrument :
 MSVOA_U
 ClientSampleId :
 MDL04

Tgt Ion: 95 Resp: 2726
 Ion Ratio Lower Upper
 95 100
 97 74.6 45.6 84.8
 132 101.2 67.7 125.7
 130 91.7 72.2 134.2

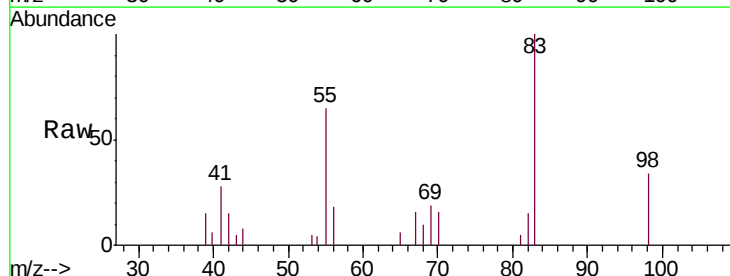


Abundance Ion 95.00 (94.70 to 95.70): VU0
 Ion 96.95 (96.65 to 97.65): VU0
 Ion 131.95 (131.65 to 132.65): V
 Ion 129.95 (129.65 to 130.65): V

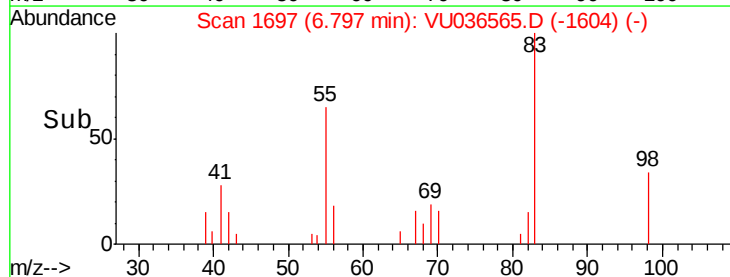
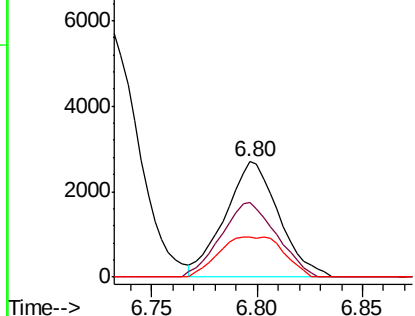


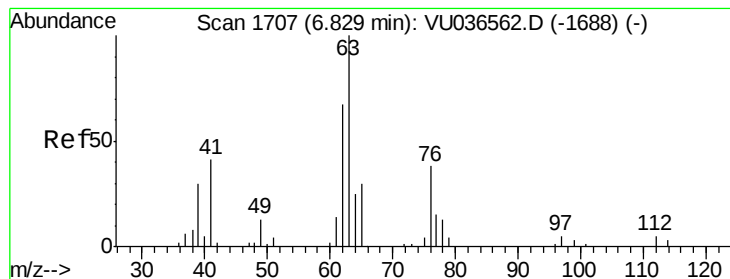
#35
 Methylcyclohexane
 Concen: 0.252 ug/L
 RT: 6.80 min Scan# 1697
 Delta R.T. 0.00 min
 Lab File: VU036565.D
 Acq: 27 Jan 2020 13:51

Tgt Ion: 83 Resp: 4775
 Ion Ratio Lower Upper
 83 100
 55 66.9 56.9 85.3
 98 41.9 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: 0.251 ug/L

RT: 6.83 min Scan# 1707

Delta R.T. 0.00 min

Lab File: VU036565.D

Acq: 27 Jan 2020 13:51

Instrument :

MSVOA_U

ClientSampled :

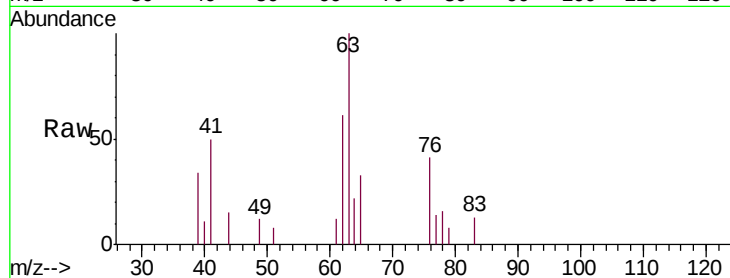
MDL04

Tgt Ion: 63 Resp: 2603

Ion Ratio Lower Upper

63 100

112 0.0 3.3 4.9#



Abundance Ion 63.10 (62.80 to 63.80): VU036562.D (-1688) (-)

Ion 112.10 (111.80 to 112.80): VU036562.D (-1688) (-)

6.83

1500

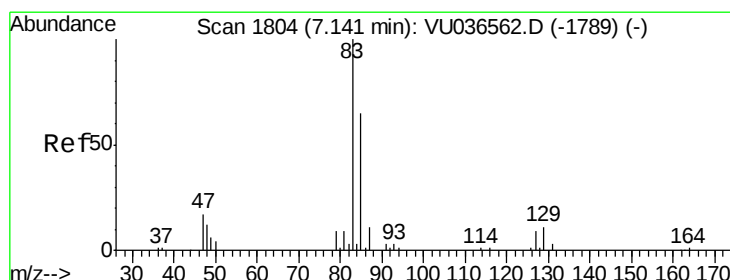
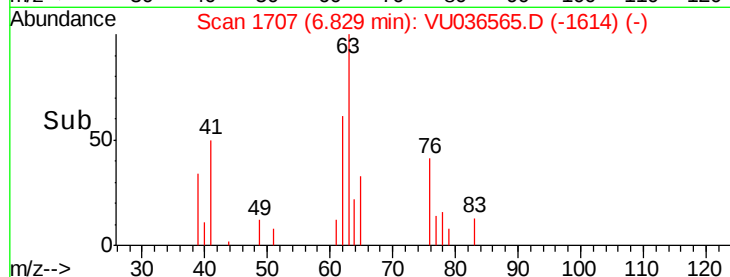
1000

500

0

6.80 6.85

Time-->



#38

Bromodichloromethane

Concen: 0.237 ug/L

RT: 7.14 min Scan# 1805

Delta R.T. 0.00 min

Lab File: VU036565.D

Acq: 27 Jan 2020 13:51

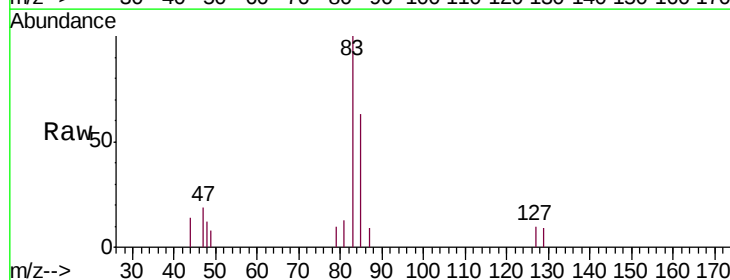
Tgt Ion: 83 Resp: 3013

Ion Ratio Lower Upper

83 100

85 62.6 44.7 82.9

127 9.6 7.2 10.8



Abundance Ion 82.95 (82.65 to 83.65): VU036562.D (-1789) (-)

Ion 85.00 (84.70 to 85.70): VU036562.D (-1789) (-)

Ion 126.90 (126.60 to 127.60): VU036562.D (-1789) (-)

7.14

2000

1500

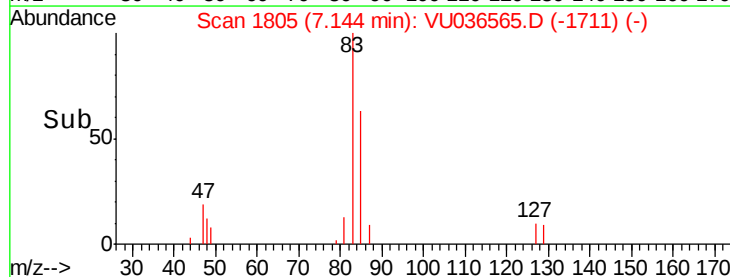
1000

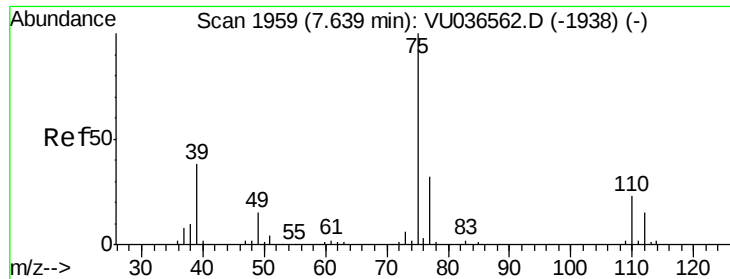
500

0

7.10 7.15 7.20

Time-->

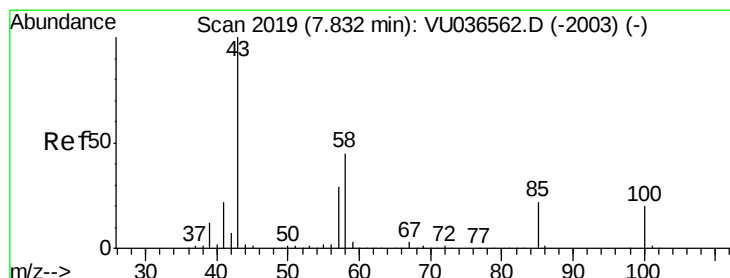
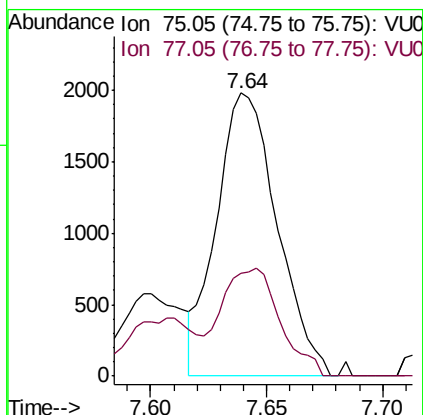
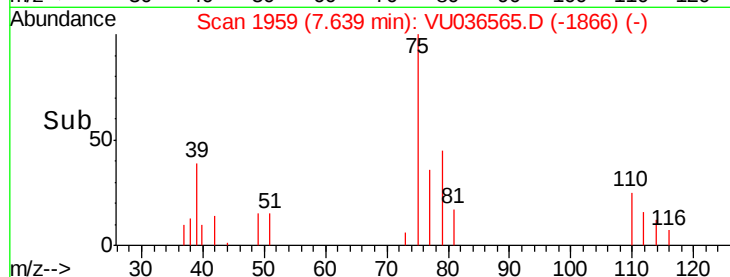
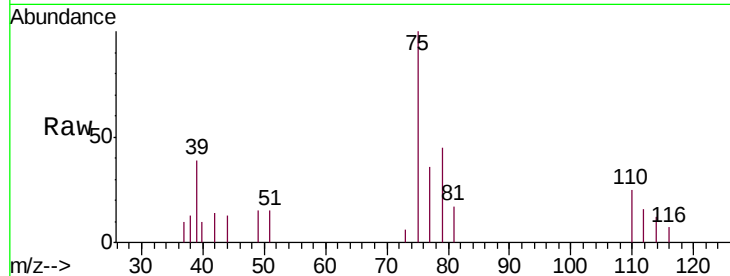




#39
 cis-1,3-Dichloropropene
 Concen: 0.225 ug/L
 RT: 7.64 min Scan# 1959
 Delta R.T. 0.00 min
 Lab File: VU036565.D
 Acq: 27 Jan 2020 13:51

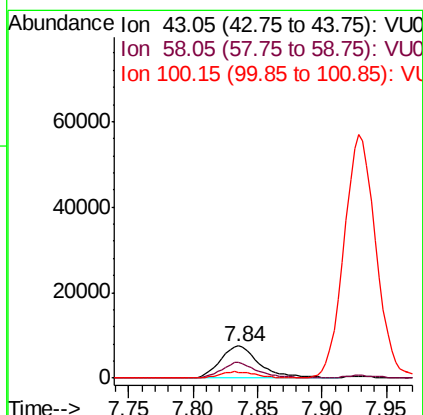
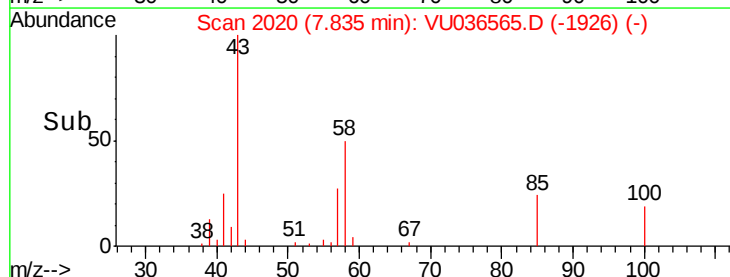
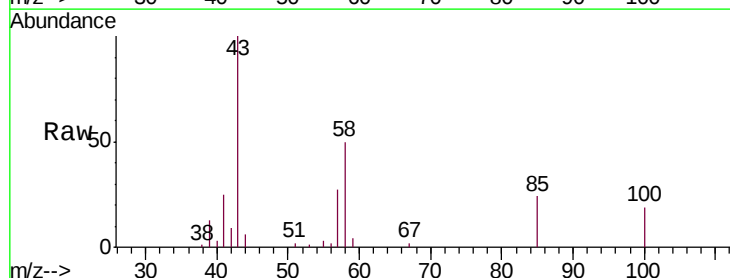
Instrument :
 MSVOA_U
 ClientSampleId :
 MDL04

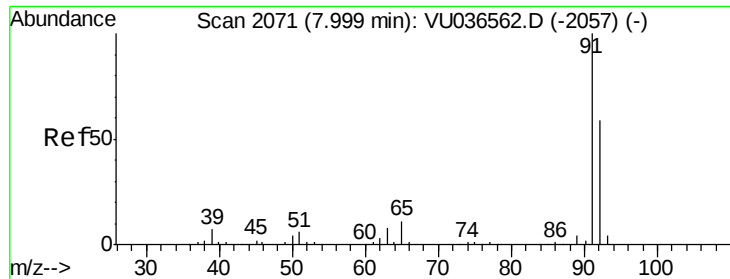
Tgt Ion: 75 Resp: 3606
 Ion Ratio Lower Upper
 75 100
 77 36.1 22.3 41.5



#40
 4-Methyl-2-pentanone
 Concen: 2.707 ug/L
 RT: 7.84 min Scan# 2020
 Delta R.T. 0.00 min
 Lab File: VU036565.D
 Acq: 27 Jan 2020 13:51

Tgt Ion: 43 Resp: 15818
 Ion Ratio Lower Upper
 43 100
 58 45.6 35.6 53.4
 100 0.0 14.9 22.3#





#42

Toluene

Concen: 0.273 ug/L

RT: 8.00 min Scan# 2071

Delta R.T. 0.00 min

Lab File: VU036565.D

Acq: 27 Jan 2020 13:51

Instrument :

MSVOA_U

ClientSampleId :

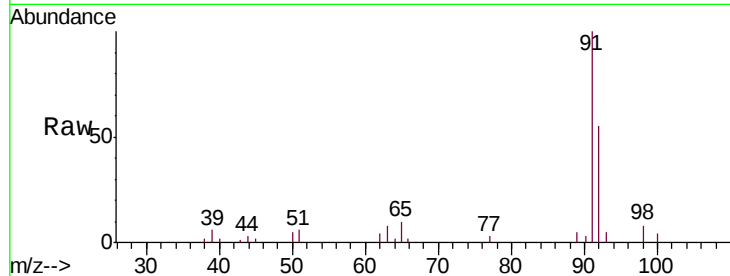
MDL04

Tgt Ion: 91 Resp: 12589

Ion Ratio Lower Upper

91 100

92 55.3 40.6 75.4

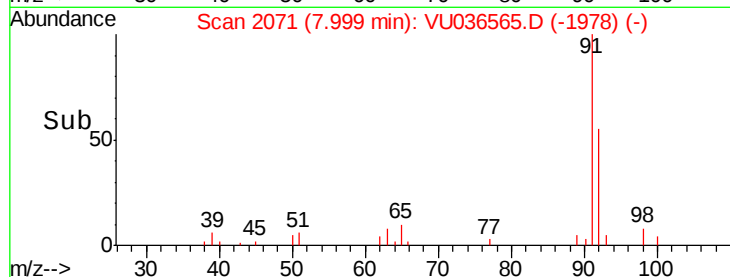


Abundance Ion 91.15 (90.85 to 91.85): VU036562.D (-2057) (-)

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

8.00

Time-->



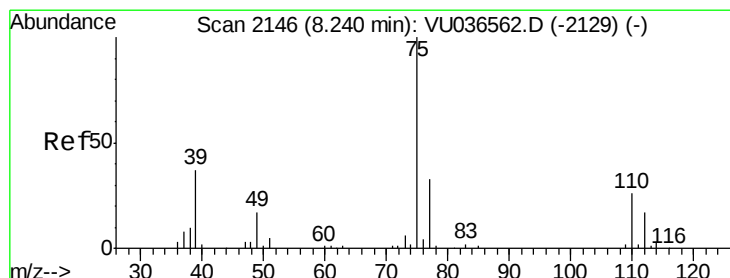
Abundance

Ion 91.15 (90.85 to 91.85): VU036565.D (-1978) (-)

Ion 92.15 (91.85 to 92.85): VU036565.D (-1978) (-)

8.00

Time-->



#44

trans-1,3-Dichloropropene

Concen: 0.280 ug/L

RT: 8.24 min Scan# 2146

Delta R.T. 0.00 min

Lab File: VU036565.D

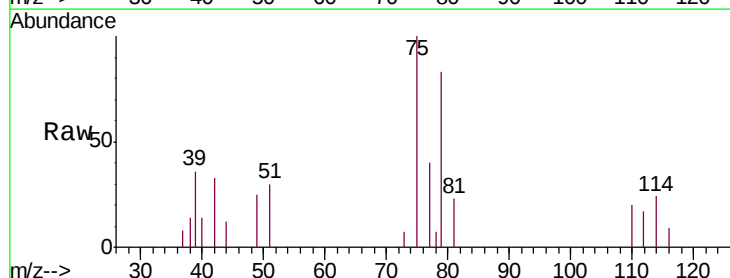
Acq: 27 Jan 2020 13:51

Tgt Ion: 75 Resp: 3450

Ion Ratio Lower Upper

75 100

77 40.2 22.8 42.4

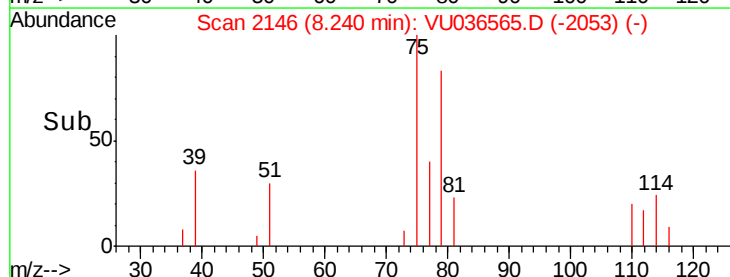


Abundance Ion 75.05 (74.75 to 75.75): VU036562.D (-2129) (-)

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

8.24

Time-->



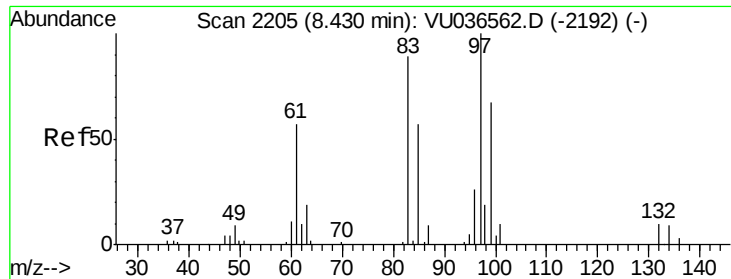
Abundance

Ion 75.05 (74.75 to 75.75): VU036565.D (-2053) (-)

Ion 77.05 (76.75 to 77.75): VU036565.D (-2053) (-)

8.24

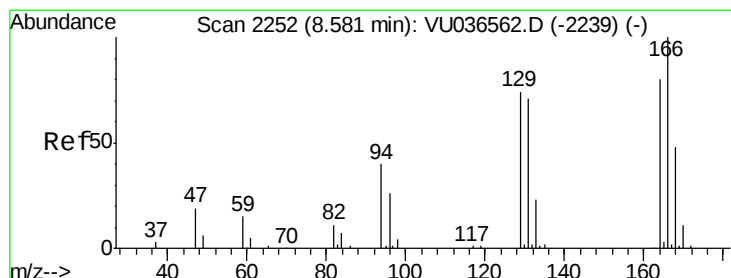
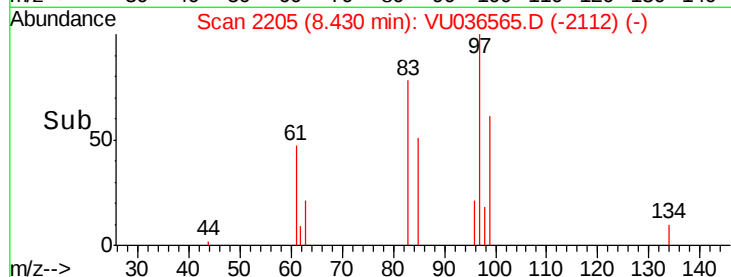
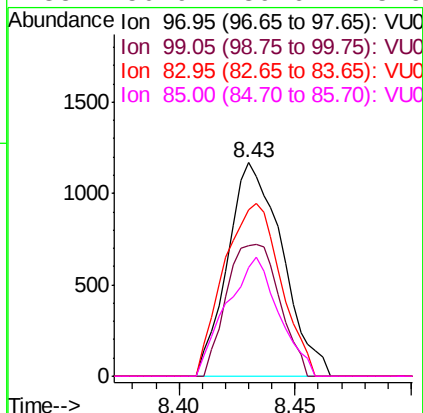
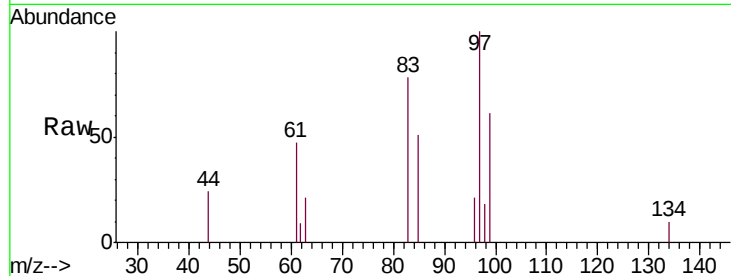
Time-->



#45
 1,1,2-Trichloroethane
 Concen: 0.249 ug/L
 RT: 8.43 min Scan# 2205
 Delta R.T. 0.00 min
 Lab File: VU036565.D
 Acq: 27 Jan 2020 13:51

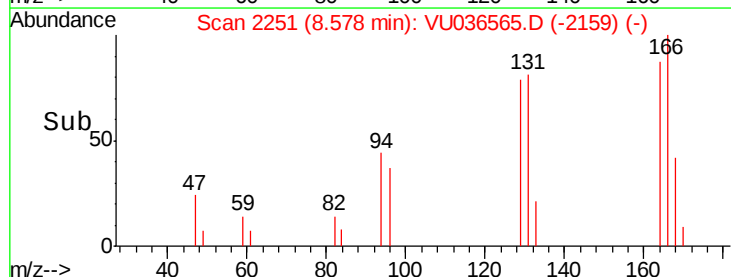
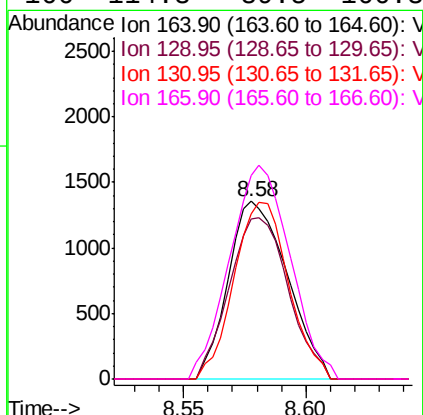
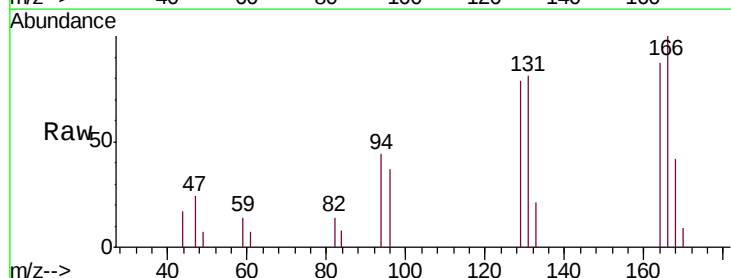
Instrument :
 MSVOA_U
 ClientSampleId :
 MDL04

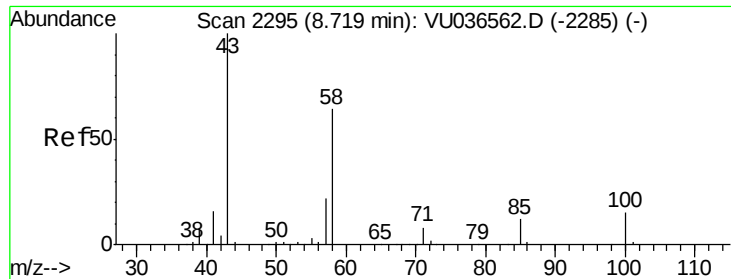
Tgt Ion:	97	Resp:	1914
Ion	Ratio	Lower	Upper
97	100		
99	61.1	42.1	78.3
83	77.8	58.4	108.6
85	50.9	39.6	73.6



#47
 Tetrachloroethene
 Concen: 0.253 ug/L
 RT: 8.58 min Scan# 2251
 Delta R.T. -0.00 min
 Lab File: VU036565.D
 Acq: 27 Jan 2020 13:51

Tgt Ion:	164	Resp:	2282
Ion	Ratio	Lower	Upper
164	100		
129	90.0	64.7	120.1
131	93.1	64.0	118.8
166	114.3	89.5	166.3

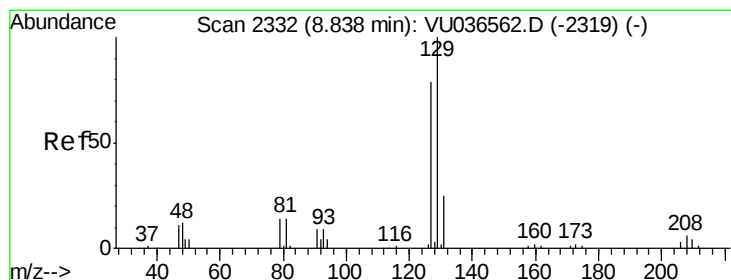
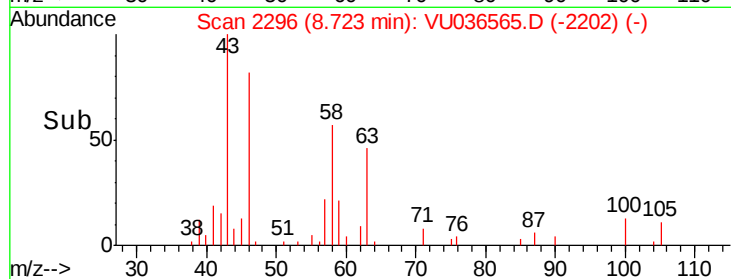
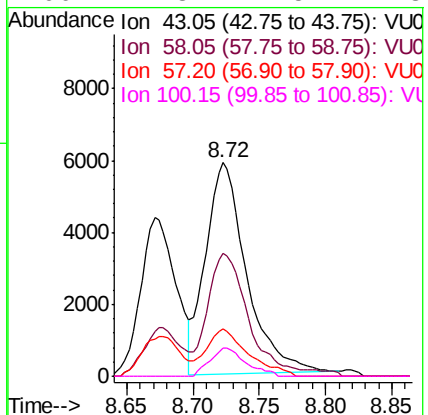
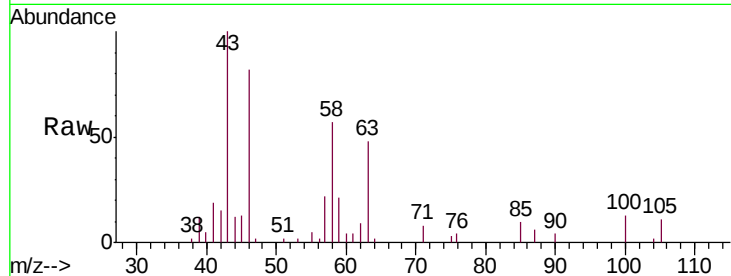




#48
2-Hexanone
Concen: 3.107 ug/L
RT: 8.72 min Scan# 2296
Delta R.T. 0.00 min
Lab File: VU036565.D
Acq: 27 Jan 2020 13:51

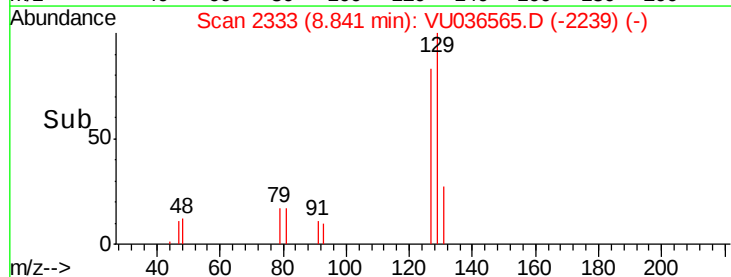
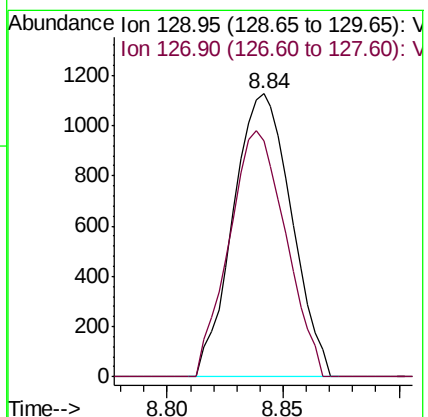
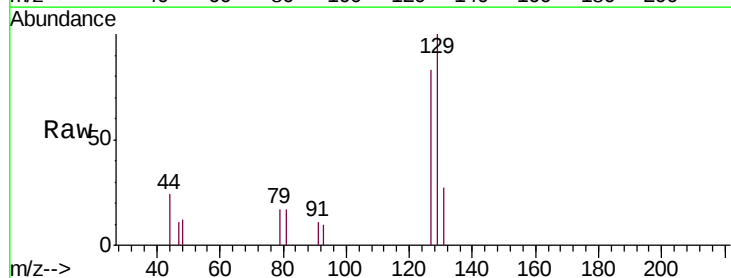
Instrument :
MSVOA_U
ClientSampleId :
MDL04

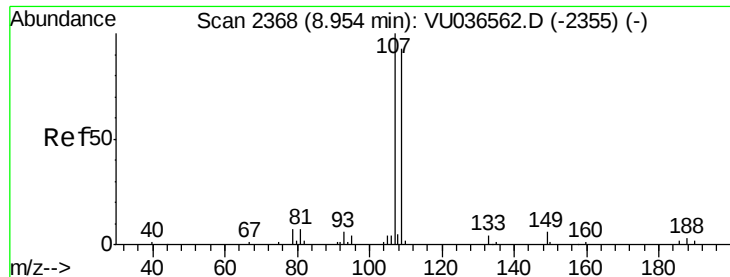
Tgt Ion:	43	Resp:	12526
Ion	Ratio	Lower	Upper
43	100		
58	60.4	50.2	75.2
57	22.9	17.5	26.3
100	11.8	11.5	17.3



#49
Dibromochloromethane
Concen: 0.224 ug/L
RT: 8.84 min Scan# 2333
Delta R.T. 0.00 min
Lab File: VU036565.D
Acq: 27 Jan 2020 13:51

Tgt Ion:	129	Resp:	1968
Ion	Ratio	Lower	Upper
129	100		
127	83.2	54.5	101.3

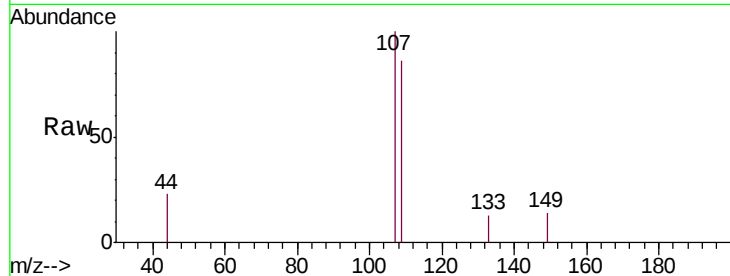




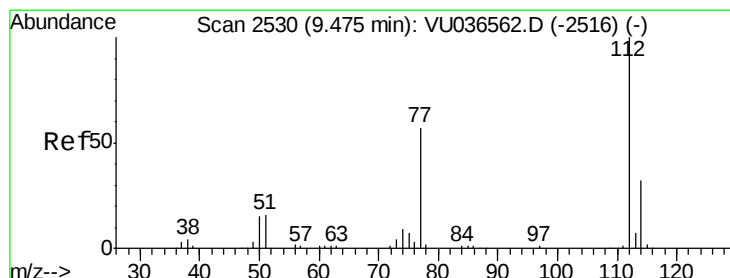
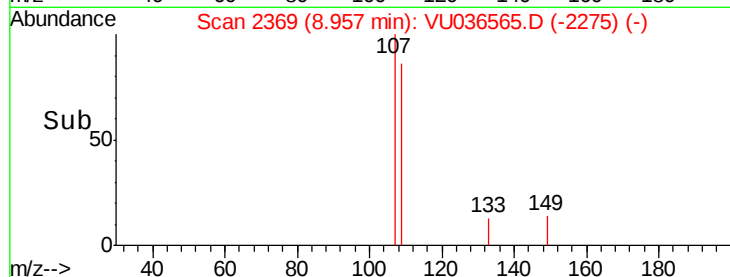
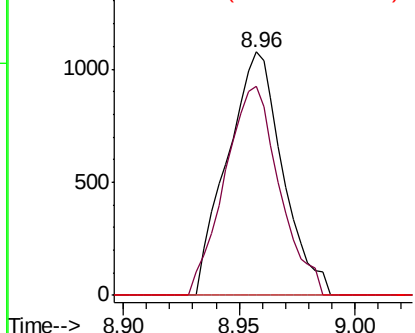
#50
1,2-Dibromoethane
Concen: 0.238 ug/L
RT: 8.96 min Scan# 2369
Delta R.T. 0.00 min
Lab File: VU036565.D
Acq: 27 Jan 2020 13:51

Instrument :
MSVOA_U
ClientSampleId :
MDL04

Tgt Ion:107 Resp: 1779
Ion Ratio Lower Upper
107 100
109 86.1 64.5 119.9
188 0.0 2.8 4.2#

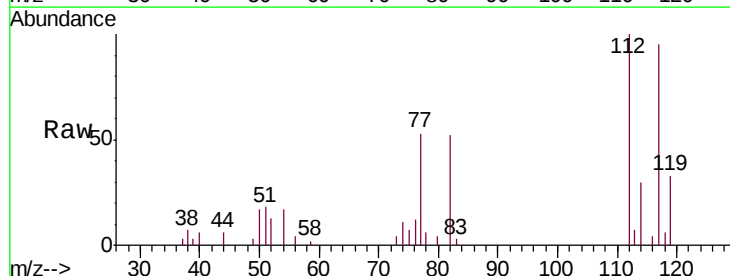


Abundance Ion 106.95 (106.65 to 107.65): V
Ion 109.00 (108.70 to 109.70): V
Ion 187.90 (187.60 to 188.60): V

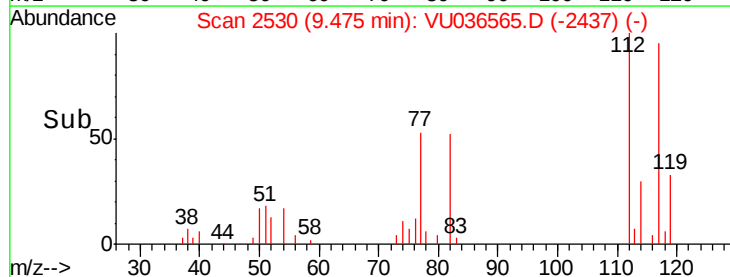
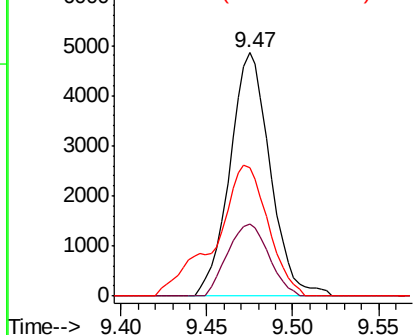


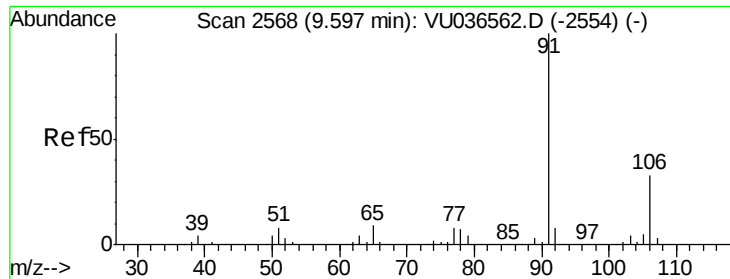
#51
Chlorobenzene
Concen: 0.268 ug/L
RT: 9.47 min Scan# 2530
Delta R.T. 0.00 min
Lab File: VU036565.D
Acq: 27 Jan 2020 13:51

Tgt Ion:112 Resp: 7946
Ion Ratio Lower Upper
112 100
114 29.5 23.2 43.2
77 52.7 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: 0.248 ug/L

RT: 9.60 min Scan# 2568

Delta R.T. 0.00 min

Lab File: VU036565.D

Acq: 27 Jan 2020 13:51

Instrument :

MSVOA_U

ClientSampleId :

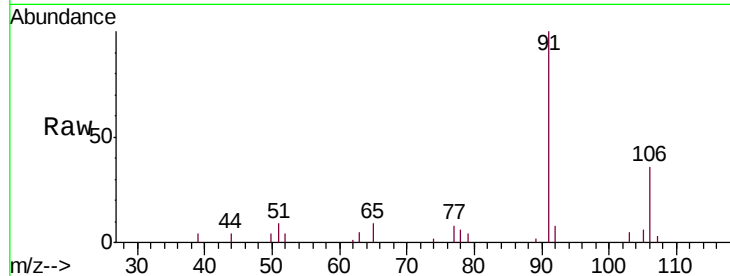
MDL04

Tgt Ion: 91 Resp: 12451

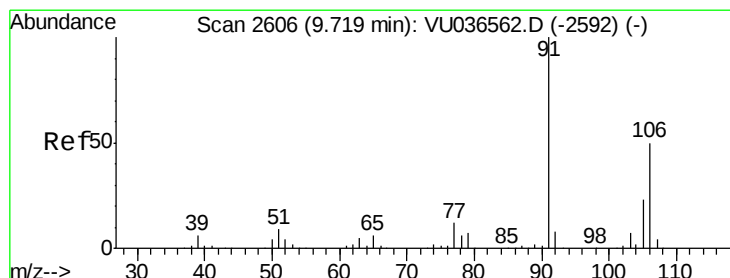
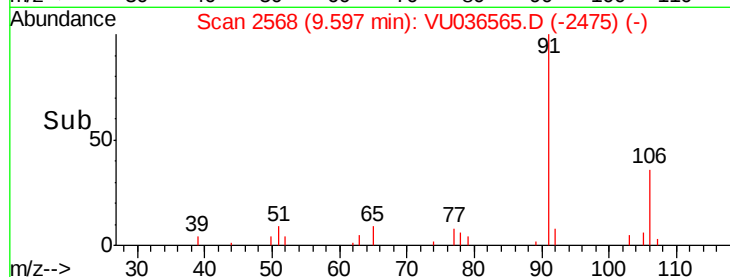
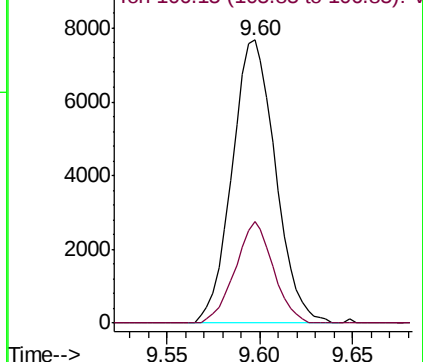
Ion Ratio Lower Upper

91 100

106 35.8 22.3 41.3



Abundance Ion 91.15 (90.85 to 91.85): VU036565.D (-2475) (-)



#53

m,p-Xylene

Concen: 0.242 ug/L

RT: 9.72 min Scan# 2606

Delta R.T. 0.00 min

Lab File: VU036565.D

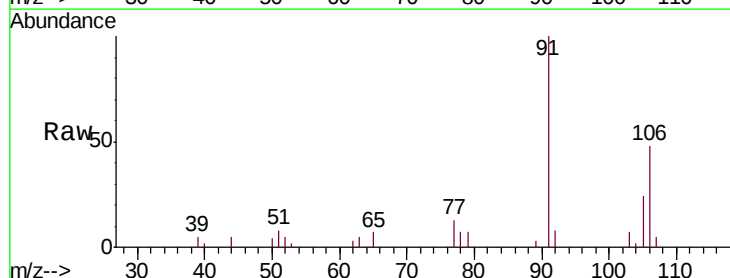
Acq: 27 Jan 2020 13:51

Tgt Ion: 106 Resp: 4716

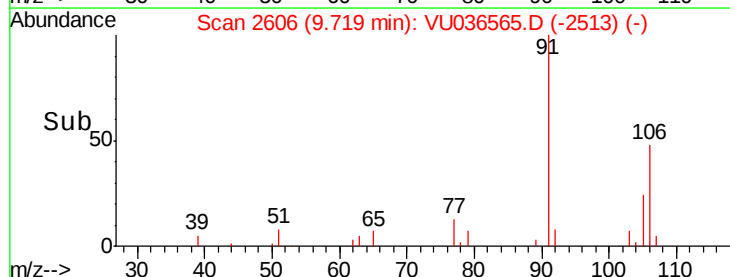
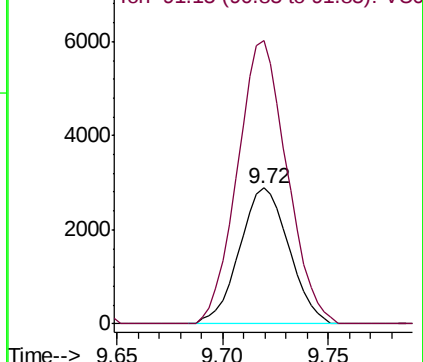
Ion Ratio Lower Upper

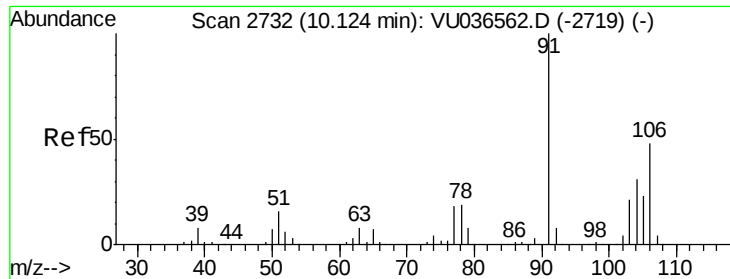
106 100

91 207.9 141.4 262.6



Abundance Ion 106.15 (105.85 to 106.85): VU036565.D (-2513) (-)

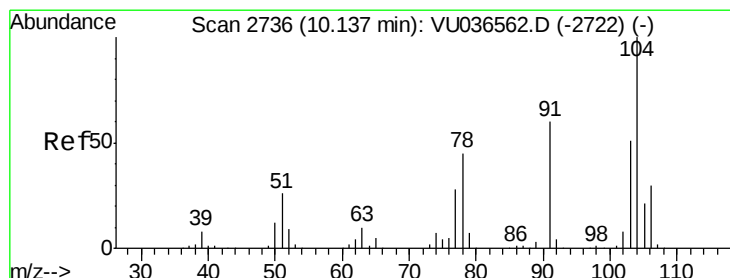
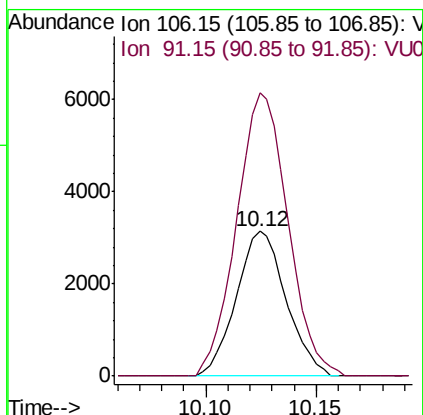
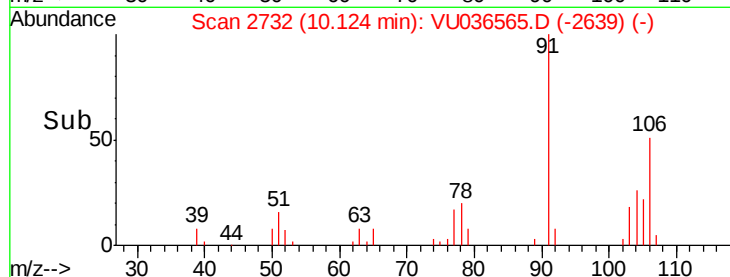
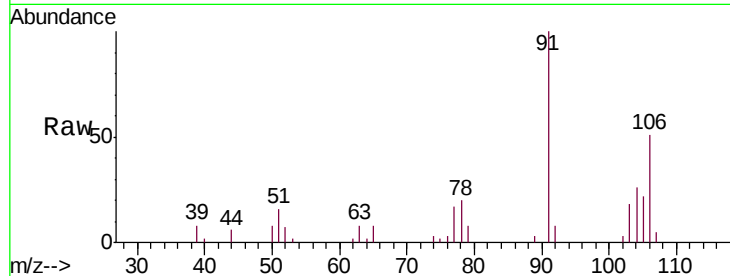




#54
o-Xylene
Concen: 0.258 ug/L
RT: 10.12 min Scan# 2732
Delta R.T. 0.00 min
Lab File: VU036565.D
Acq: 27 Jan 2020 13:51

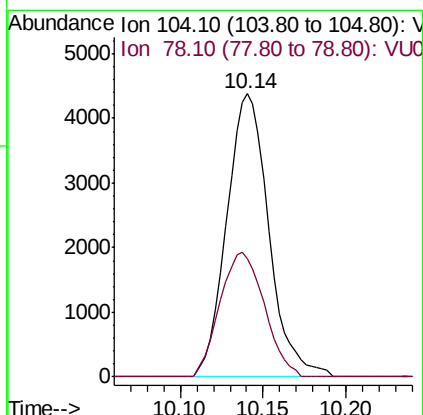
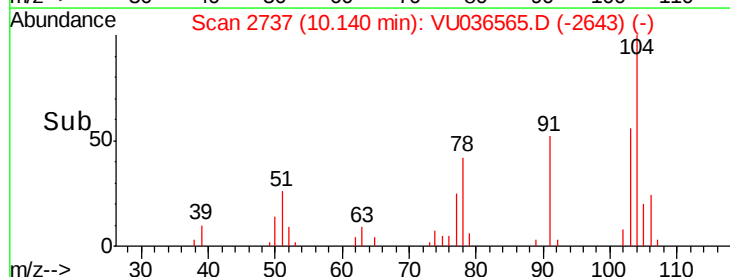
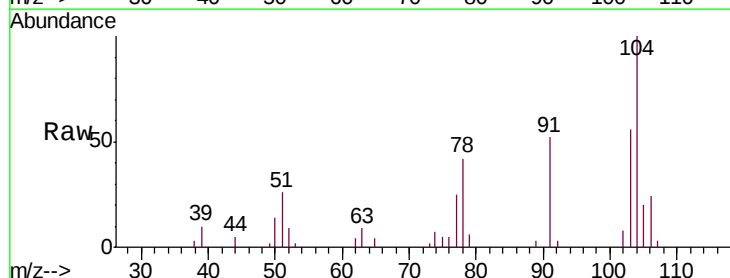
Instrument :
MSVOA_U
ClientSampled :
MDL04

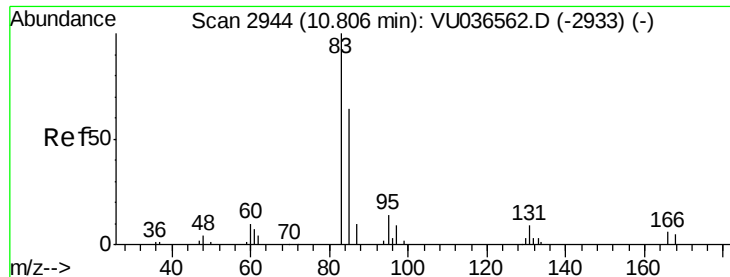
Tgt Ion:106 Resp: 4922
Ion Ratio Lower Upper
106 100
91 195.2 146.2 271.4



#55
Styrene
Concen: 0.246 ug/L
RT: 10.14 min Scan# 2737
Delta R.T. 0.00 min
Lab File: VU036565.D
Acq: 27 Jan 2020 13:51

Tgt Ion:104 Resp: 7712
Ion Ratio Lower Upper
104 100
78 41.8 31.9 59.2





#57

1,1,2,2-Tetrachloroethane

Concen: 0.252 ug/L

RT: 10.81 min Scan# 2944

Delta R.T. 0.00 min

Lab File: VU036565.D

Acq: 27 Jan 2020 13:51

Instrument :

MSVOA_U

ClientSampleId :

MDL04

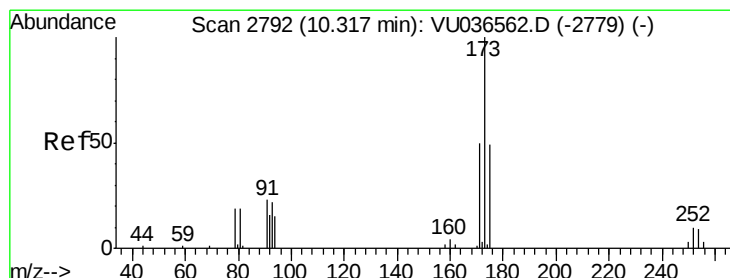
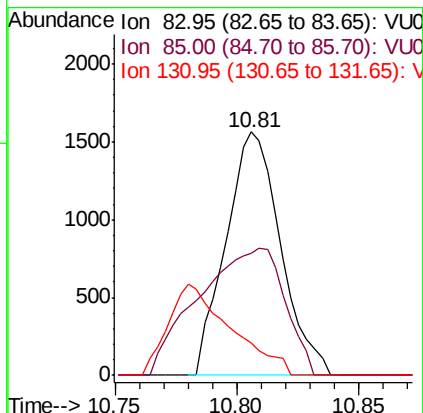
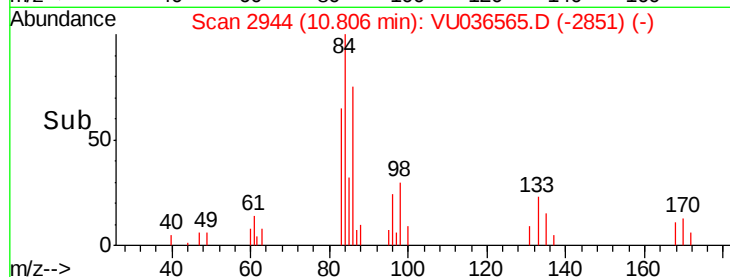
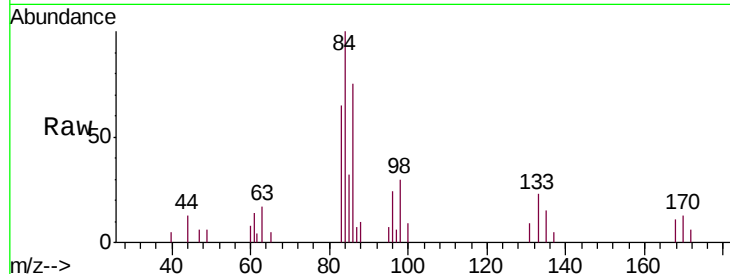
Tgt Ion: 83 Resp: 2427

Ion Ratio Lower Upper

83 100

85 50.0 47.0 87.4

131 13.2 8.1 12.1#



#59

Bromoform

Concen: 0.233 ug/L

RT: 10.32 min Scan# 2792

Delta R.T. 0.00 min

Lab File: VU036565.D

Acq: 27 Jan 2020 13:51

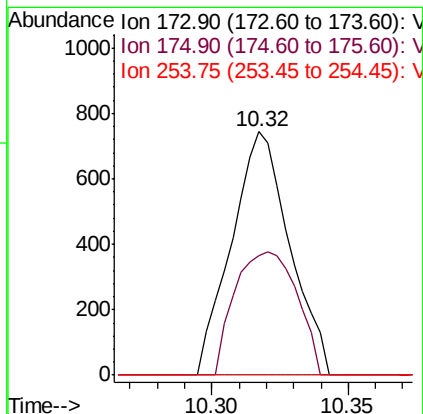
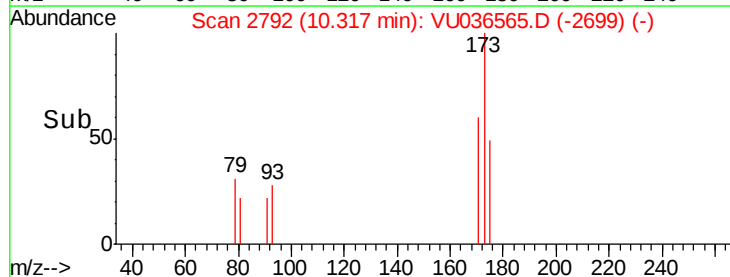
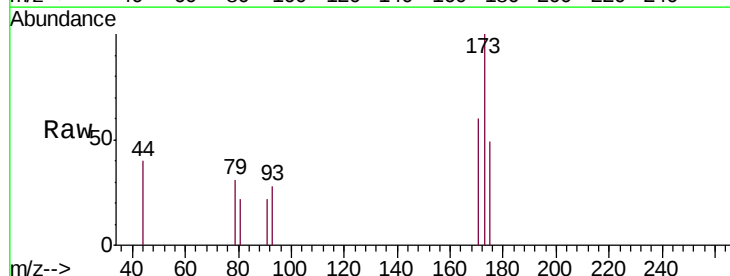
Tgt Ion: 173 Resp: 1099

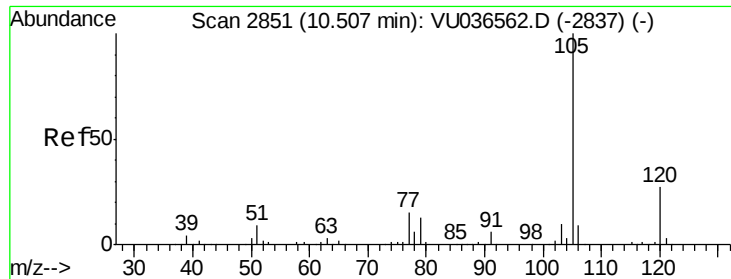
Ion Ratio Lower Upper

173 100

175 54.5 39.0 58.4

254 0.0 6.3 9.5#





#60

Isopropylbenzene

Concen: 0.260 ug/L

RT: 10.51 min Scan# 2851

Delta R.T. 0.00 min

Lab File: VU036565.D

Acq: 27 Jan 2020 13:51

Instrument :

MSVOA_U

ClientSampleId :

MDL04

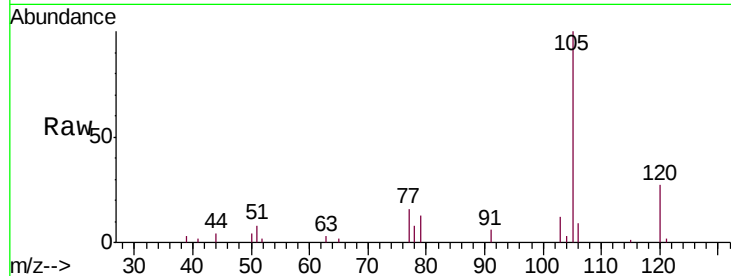
Tgt Ion: 105 Resp: 12319

Ion Ratio Lower Upper

105 100

120 26.4 21.5 32.3

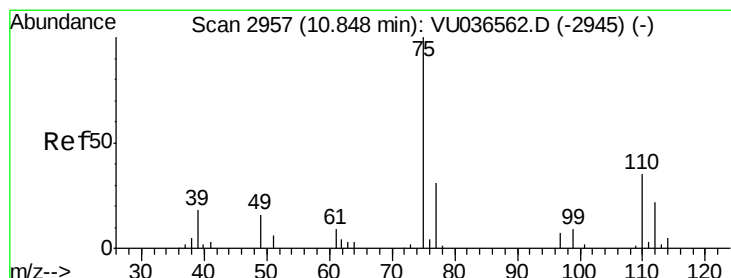
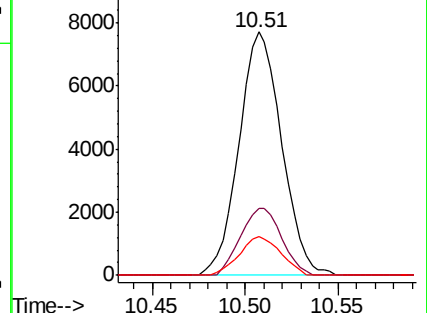
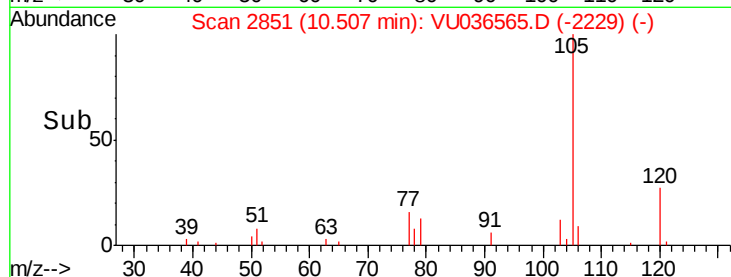
77 15.4 12.2 18.2



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: 0.277 ug/L

RT: 10.85 min Scan# 2958

Delta R.T. 0.00 min

Lab File: VU036565.D

Acq: 27 Jan 2020 13:51

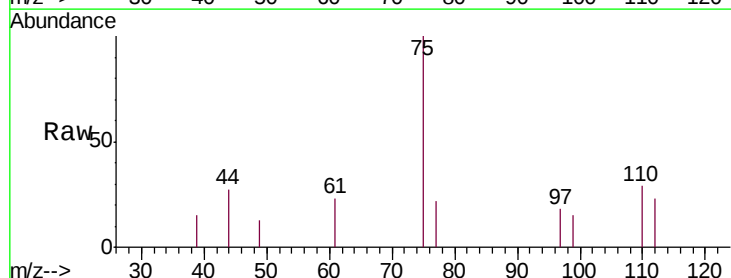
Tgt Ion: 75 Resp: 1812

Ion Ratio Lower Upper

75 100

110 23.7 29.0 43.4#

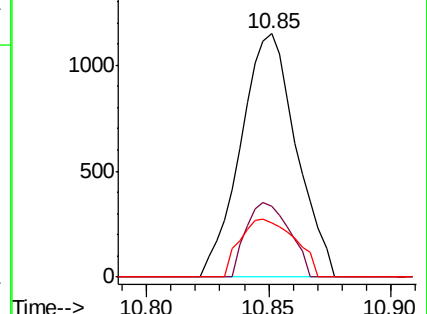
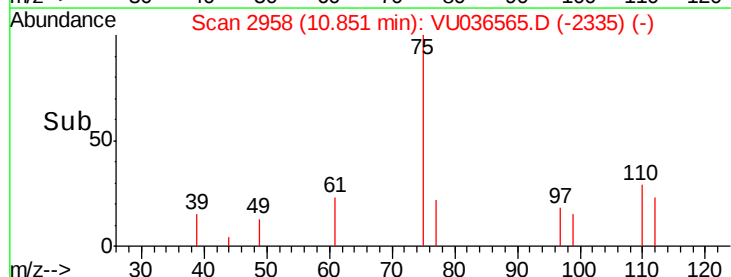
77 23.5 25.8 38.6#

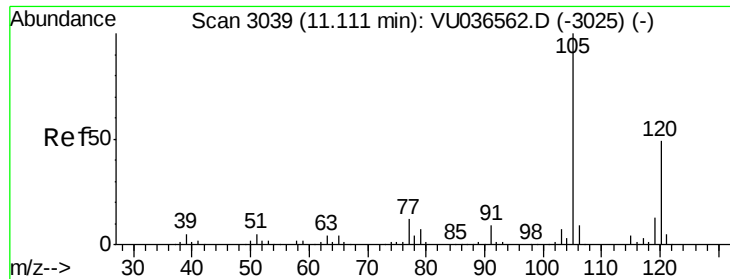


Abundance Ion 75.00 (74.70 to 75.70): VU

Ion 110.00 (109.70 to 110.70): V

Ion 77.00 (76.70 to 77.70): VU

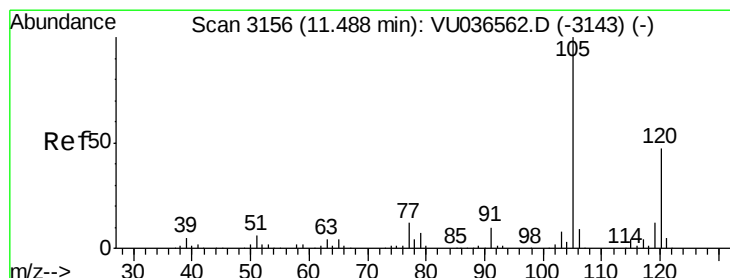
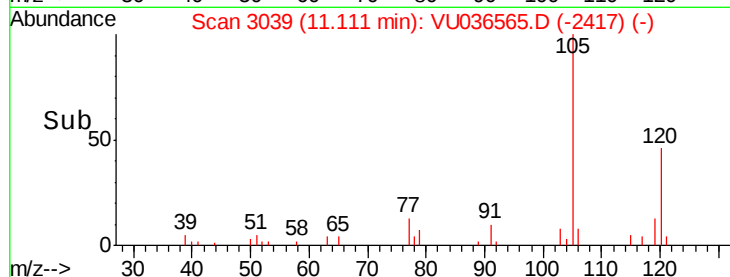
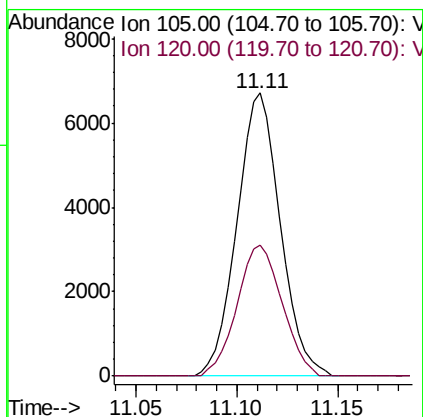
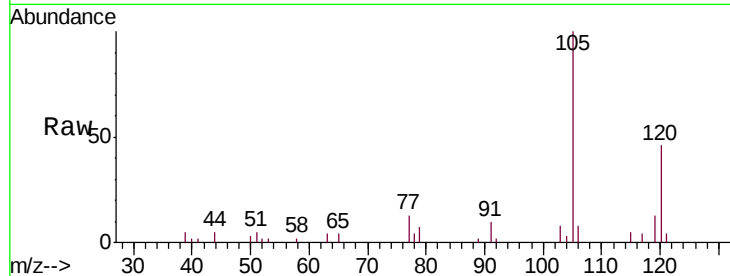




#62
 1,3,5-Trimethylbenzene
 Concen: 0.249 ug/L
 RT: 11.11 min Scan# 3039
 Delta R.T. 0.00 min
 Lab File: VU036565.D
 Acq: 27 Jan 2020 13:51

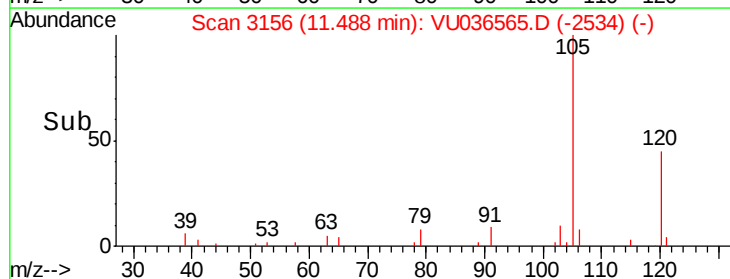
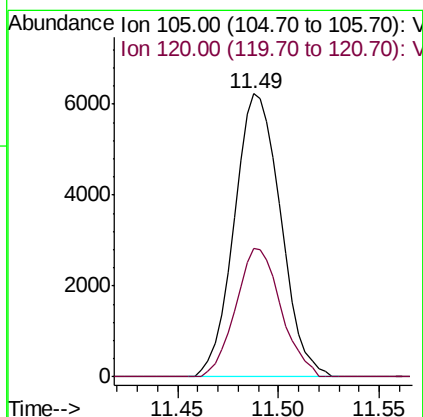
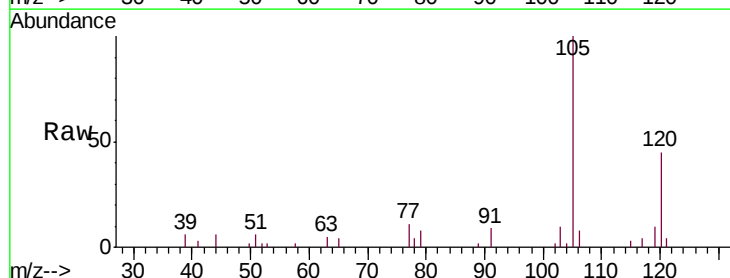
Instrument :
 MSVOA_U
 ClientSampleId :
 MDL04

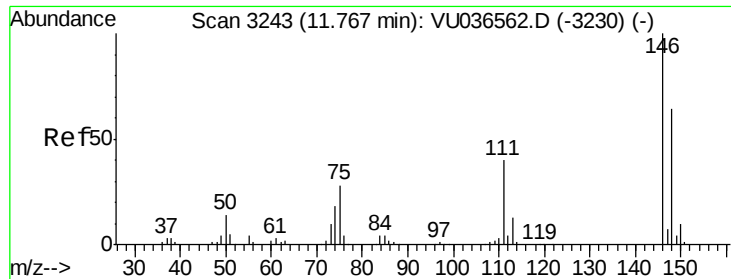
Tgt Ion:105 Resp: 10121
 Ion Ratio Lower Upper
 105 100
 120 48.0 39.7 59.5



#63
 1,2,4-Trimethylbenzene
 Concen: 0.249 ug/L
 RT: 11.49 min Scan# 3156
 Delta R.T. 0.00 min
 Lab File: VU036565.D
 Acq: 27 Jan 2020 13:51

Tgt Ion:105 Resp: 10046
 Ion Ratio Lower Upper
 105 100
 120 44.3 36.9 55.3

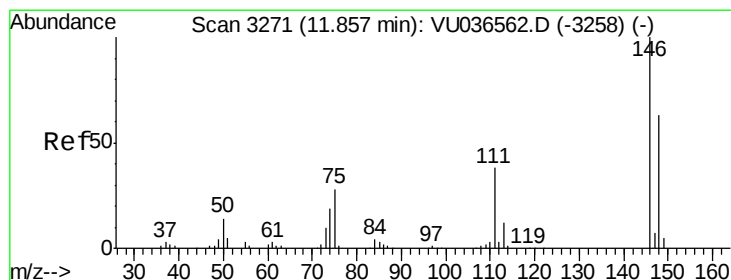
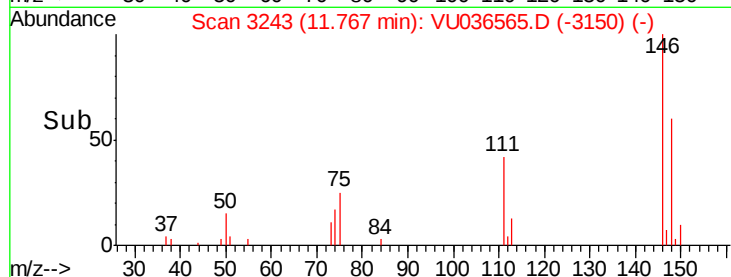
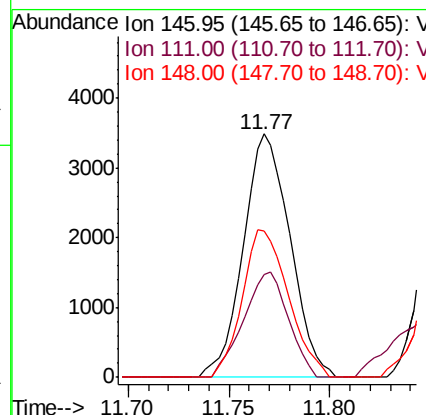
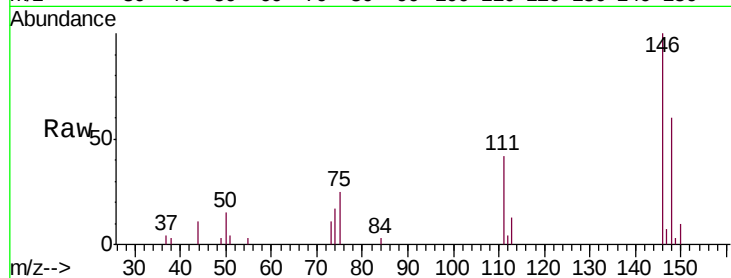




#64
 1,3-Dichlorobenzene
 Concen: 0.256 ug/L
 RT: 11.77 min Scan# 3243
 Delta R.T. 0.00 min
 Lab File: VU036565.D
 Acq: 27 Jan 2020 13:51

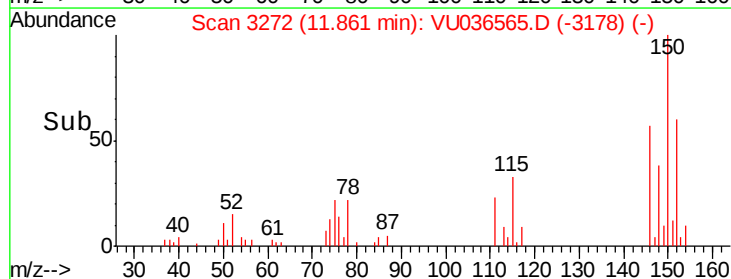
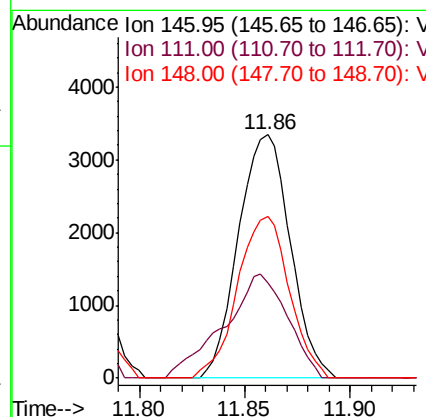
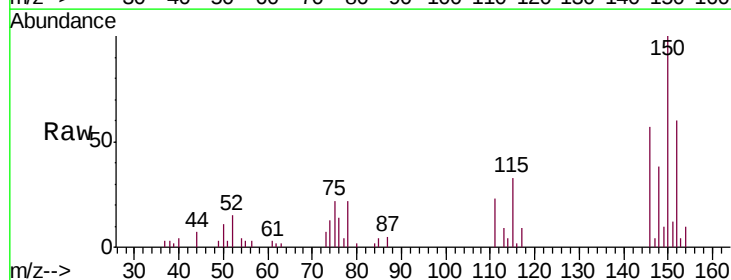
Instrument :
 MSVOA_U
 ClientSampleId :
 MDL04

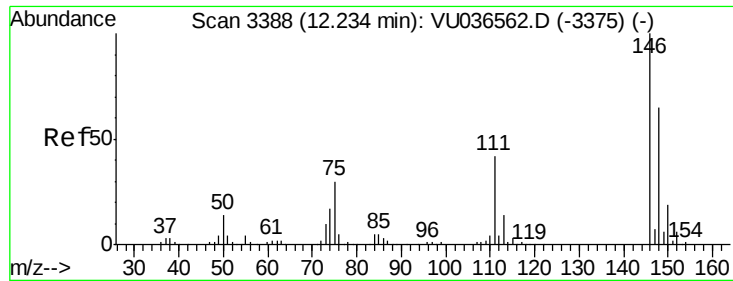
Tgt Ion:146 Resp: 5669
 Ion Ratio Lower Upper
 146 100
 111 42.4 28.8 53.6
 148 60.3 44.2 82.2



#65
 1,4-Dichlorobenzene
 Concen: 0.258 ug/L
 RT: 11.86 min Scan# 3272
 Delta R.T. 0.00 min
 Lab File: VU036565.D
 Acq: 27 Jan 2020 13:51

Tgt Ion:146 Resp: 5708
 Ion Ratio Lower Upper
 146 100
 111 39.3 27.2 50.6
 148 66.5 44.8 83.2

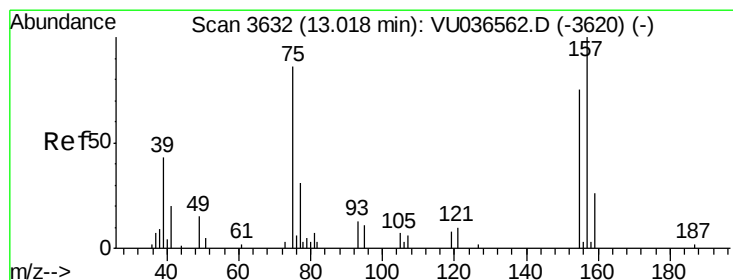
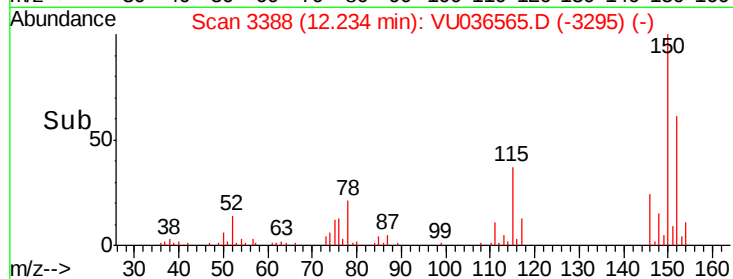
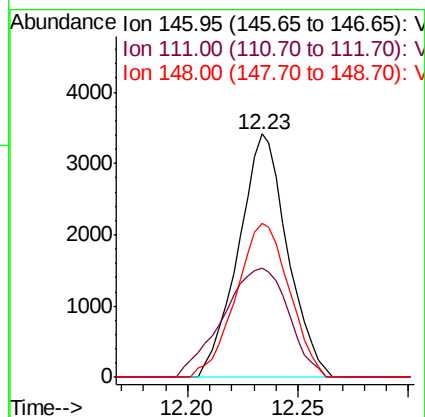
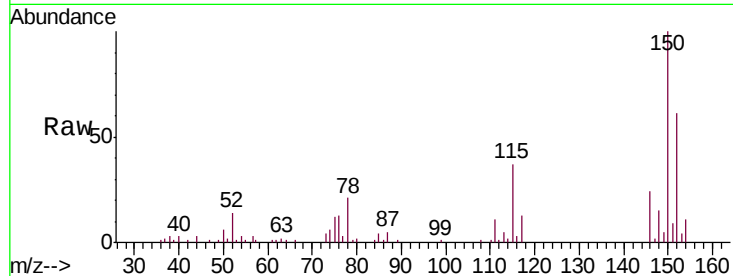




#67
 1,2-Dichlorobenzene
 Concen: 0.249 ug/L
 RT: 12.23 min Scan# 3388
 Delta R.T. 0.00 min
 Lab File: VU036565.D
 Acq: 27 Jan 2020 13:51

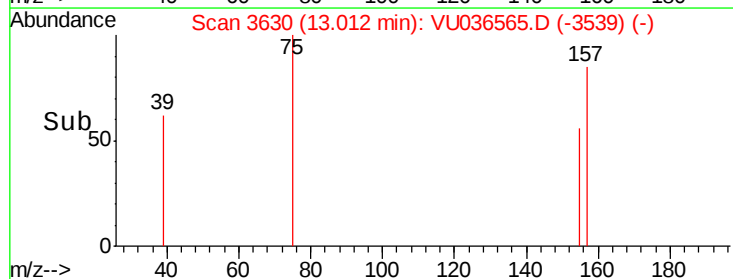
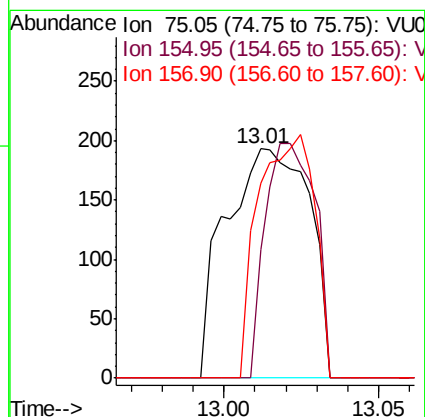
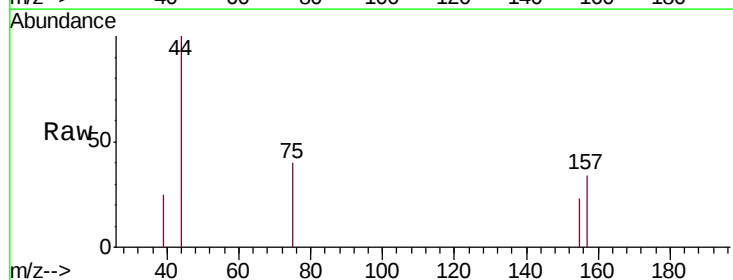
Instrument :
 MSVOA_U
 ClientSampleId :
 MDL04

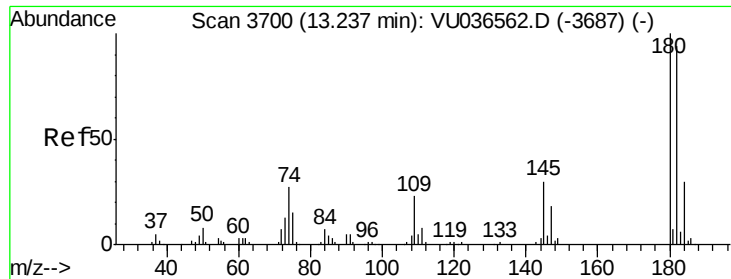
Tgt Ion:146 Resp: 5264
 Ion Ratio Lower Upper
 146 100
 111 44.8 33.4 50.0
 148 63.3 51.0 76.4



#68
 1,2-Dibromo-3-chloropropane
 Concen: 0.263 ug/L
 RT: 13.01 min Scan# 3630
 Delta R.T. -0.01 min
 Lab File: VU036565.D
 Acq: 27 Jan 2020 13:51

Tgt Ion: 75 Resp: 364
 Ion Ratio Lower Upper
 75 100
 155 56.0 64.2 96.4#
 157 85.0 85.1 127.7#

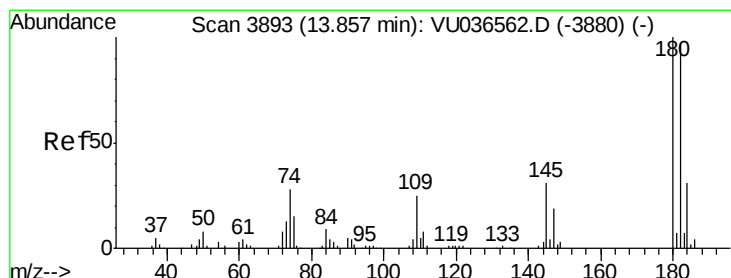
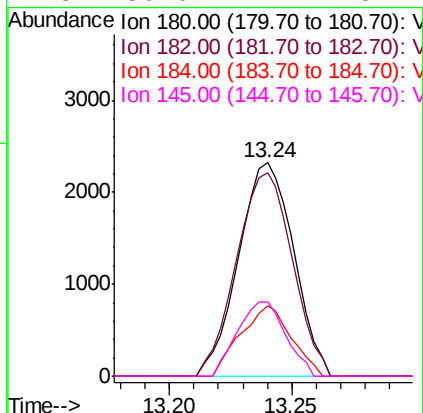
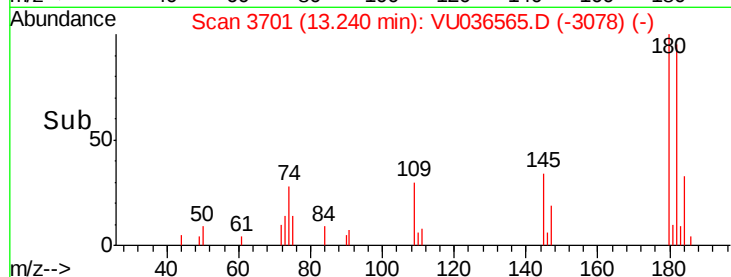
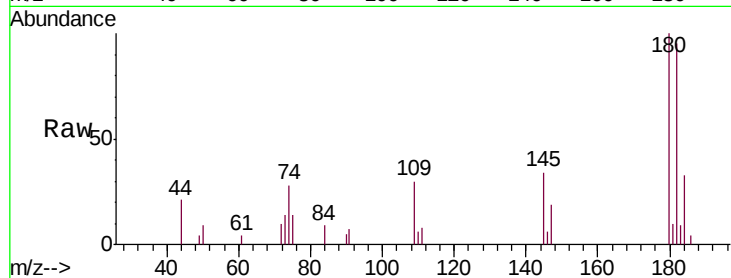




#69
 1,3,5-Trichlorobenzene
 Concen: 0.214 ug/L
 RT: 13.24 min Scan# 3701
 Delta R.T. 0.00 min
 Lab File: VU036565.D
 Acq: 27 Jan 2020 13:51

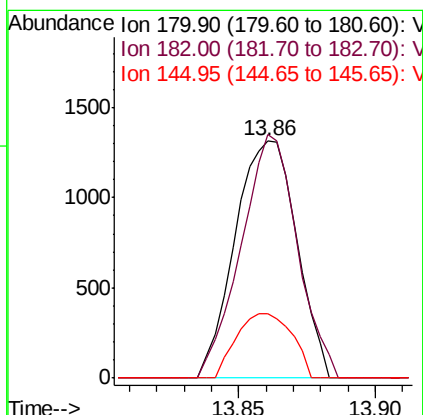
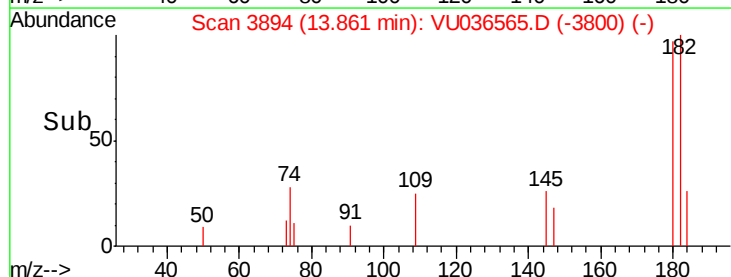
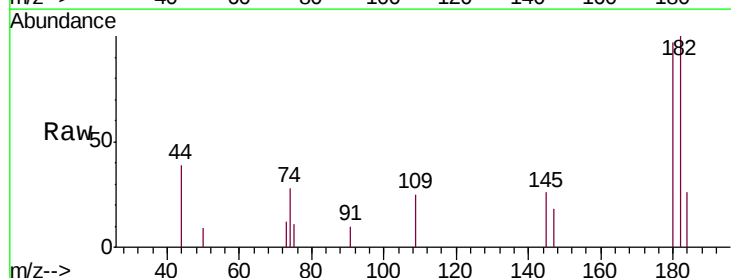
Instrument :
 MSVOA_U
 ClientSampleId :
 MDL04

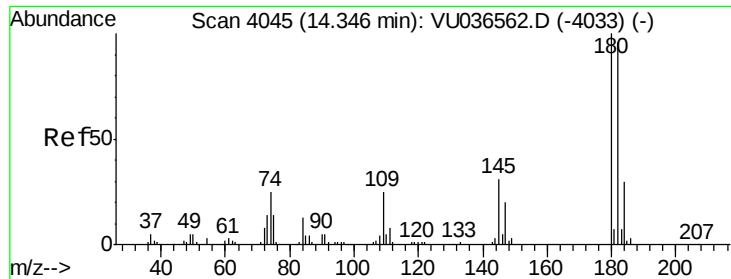
Tgt Ion:180 Resp: 3631
 Ion Ratio Lower Upper
 180 100
 182 96.7 75.2 112.8
 184 30.4 23.9 35.9
 145 30.6 22.7 34.1



#70
 1,2,4-trichlorobenzene
 Concen: 0.167 ug/L
 RT: 13.86 min Scan# 3894
 Delta R.T. 0.00 min
 Lab File: VU036565.D
 Acq: 27 Jan 2020 13:51

Tgt Ion:180 Resp: 2060
 Ion Ratio Lower Upper
 180 100
 182 93.6 76.2 114.4
 145 24.5 23.9 35.9





#72
 1,2,3-Trichlorobenzene
 Concen: 0.161 ug/L
 RT: 14.35 min Scan# 4046
 Delta R.T. 0.00 min
 Lab File: VU036565.D
 Acq: 27 Jan 2020 13:51

Instrument :
 MSVOA_U
 ClientSampleId :
 MDL04

Tgt Ion:	180	Resp:	1802
Ion	Ratio	Lower	Upper
180	100		
182	93.6	76.2	114.2
145	29.0	25.6	38.4

