

Data File : VU036698.D
Acq On : 07 Feb 2020 13:13
Operator : JC/MD
Sample : MDL01
Misc : 5.00g/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
MDL01

Quant Time: Feb 07 22:40:18 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SFAMULM020620W.M
Quant Title : VOC Analysis
QLast Update : Fri Feb 07 22:36:50 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.29	114	262264	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.45	117	246401	50.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.83	152	104578	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	76909	43.97	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	87.94%
7) Chloroethane-d5	1.93	69	74755	46.09	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	92.18%
11) 1,1-Dichloroethene-d2	2.59	63	112804	34.16	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	68.32%
21) 2-Butanone-d5	4.68	46	114693	76.86	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	76.86%
24) Chloroform-d	5.11	84	136595	43.15	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	86.30%
26) 1,2-Dichloroethane-d4	5.75	65	105848	48.89	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	97.78%
32) Benzene-d6	5.77	84	312872	48.30	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	96.60%
36) 1,2-Dichloropropane-d6	6.73	67	106237	49.40	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	98.80%
41) Toluene-d8	7.93	98	283527	47.79	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	95.58%
43) trans-1,3-Dichloropropene-	8.21	79	47819	46.44	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	92.88%
47) 2-Hexanone-d5	8.67	63	127238	103.67	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	103.67%
56) 1,1,2,2-Tetrachloroethane-	10.78	84	152603	48.15	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	96.30%
66) 1,2-Dichlorobenzene-d4	12.21	152	96329	50.70	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	101.40%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.39	85	4132	2.280 ug/L	98
3) Chloromethane	1.54	50	4992	2.325 ug/L	94
5) Vinyl chloride	1.62	62	5469	2.365 ug/L #	50
6) Bromomethane	1.87	94	3435	2.369 ug/L	98
8) Chloroethane	1.95	64	3263	2.224 ug/L	84
9) Trichlorofluoromethane	2.16	101	6460	2.351 ug/L	95
10) 1,1,2-Trichloro-1,2,2-trif	2.60	101	4610	2.801 ug/L	88
12) 1,1-Dichloroethene	2.61	96	4222	2.635 ug/L #	1
13) Acetone	2.66	43	10172	6.417 ug/L	95
14) Carbon disulfide	2.82	76	11104	2.319 ug/L	98
15) Methyl Acetate	2.99	43	5526	2.411 ug/L	94
16) Methylene chloride	3.09	84	4893	2.475 ug/L	87
17) trans-1,2-Dichloroethene	3.39	96	4041	2.371 ug/L	91
18) Methyl tert-butyl Ether	3.41	73	14037	2.373 ug/L	97
19) 1,1-Dichloroethane	3.92	63	8076	2.378 ug/L	98
20) cis-1,2-Dichloroethene	4.72	96	4679	2.409 ug/L	89
22) 2-Butanone	4.76	43	15463	8.219 ug/L	83

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ClientSampleId :
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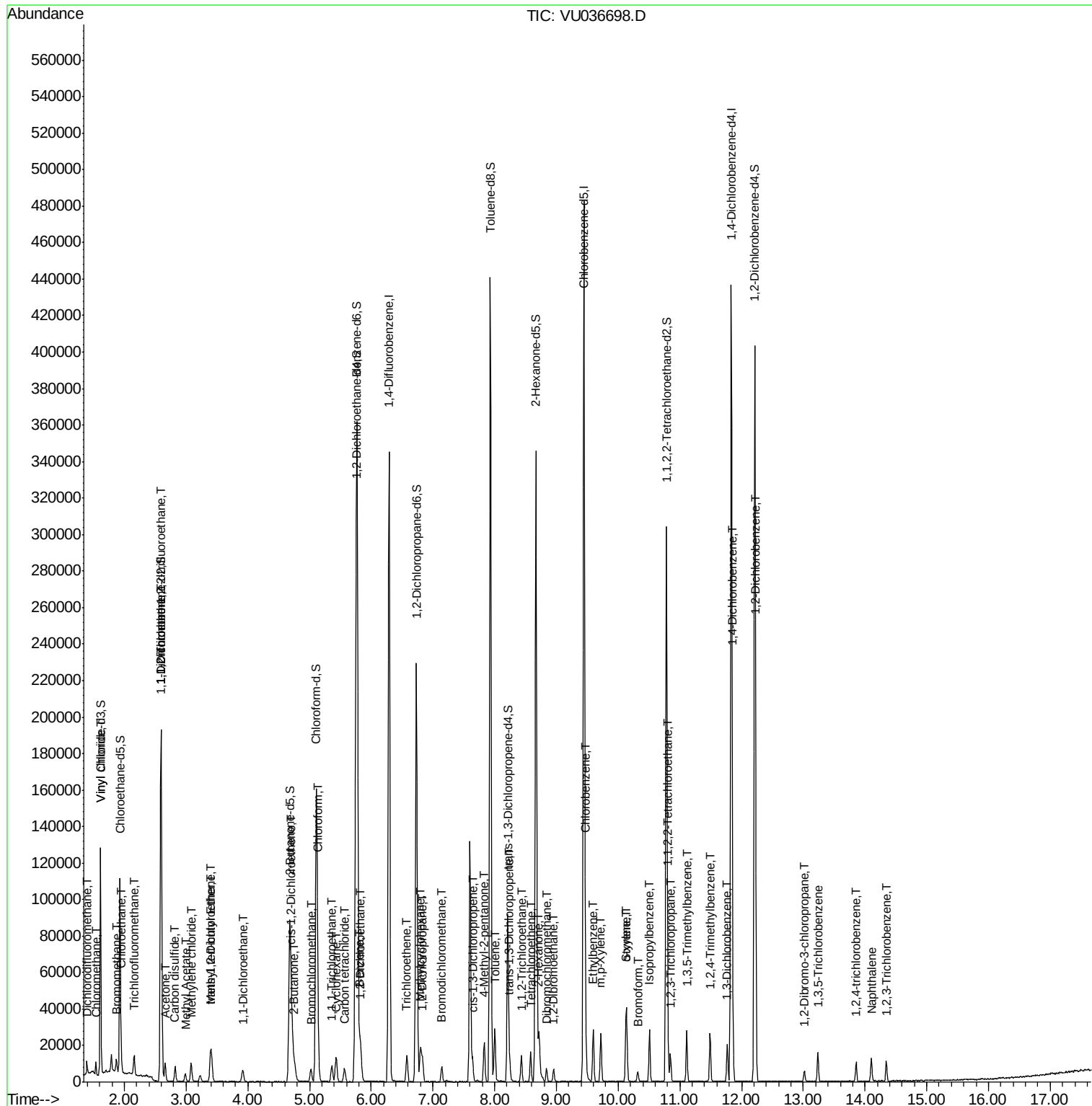
Quant Time: Feb 07 22:40:18 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SFAMULM020620W.M
Quant Title : VOC Analysis
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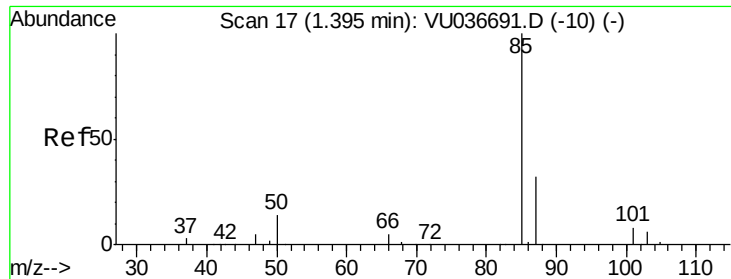
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	5.02	128	1909	2.097	ug/L	93
25) Chloroform	5.14	83	20350	6.161	ug/L	97
27) 1,2-Dichloroethane	5.84	62	6874	2.475	ug/L	98
29) Cyclohexane	5.43	56	6977	2.204	ug/L	96
30) 1,1,1-Trichloroethane	5.36	97	6135	2.344	ug/L	99
31) Carbon tetrachloride	5.57	117	4880	2.303	ug/L	100
33) Benzene	5.82	78	18270	2.451	ug/L	100
34) Trichloroethene	6.58	95	4264	2.314	ug/L	95
35) Methylcyclohexane	6.80	83	7869	2.425	ug/L	97
37) 1,2-Dichloropropane	6.83	63	4862	2.419	ug/L #	95
38) Bromodichloromethane	7.14	83	5486	2.246	ug/L	98
39) cis-1,3-Dichloropropene	7.64	75	7204	2.244	ug/L	94
40) 4-Methyl-2-pentanone	7.83	43	14503	4.568	ug/L	98
42) Toluene	8.00	91	19957	2.478	ug/L	98
44) trans-1,3-Dichloropropene	8.24	75	8666	3.089	ug/L	99
45) 1,1,2-Trichloroethane	8.43	97	4145	2.261	ug/L	96
46) Tetrachloroethene	8.58	164	3198	2.473	ug/L	91
48) 2-Hexanone	8.72	43	12863	4.966	ug/L	99
49) Dibromochloromethane	8.84	129	3795	2.116	ug/L	98
50) 1,2-Dibromoethane	8.95	107	4424	2.297	ug/L #	93
51) Chlorobenzene	9.47	112	11672	2.407	ug/L	96
52) Ethylbenzene	9.60	91	20329	2.297	ug/L	99
53) m,p-Xylene	9.72	106	7369	2.257	ug/L	96
54) o-xylene	10.13	106	7037	2.176	ug/L	96
55) Styrene	10.14	104	11157	2.070	ug/L	97
57) 1,1,2,2-Tetrachloroethane	10.81	83	7758	2.348	ug/L	95
59) Bromoform	10.32	173	2452	2.122	ug/L #	92
60) 1,2,3-Trichloropropane	10.85	75	6484	2.636	ug/L	96
61) Isopropylbenzene	10.51	105	18009	2.313	ug/L	96
62) 1,3,5-Trimethylbenzene	11.11	105	15020	2.250	ug/L	98
63) 1,2,4-Trimethylbenzene	11.49	105	14795	2.219	ug/L	99
64) 1,3-Dichlorobenzene	11.77	146	7720	2.357	ug/L	95
65) 1,4-Dichlorobenzene	11.86	146	7971	2.418	ug/L	93
67) 1,2-Dichlorobenzene	12.24	146	8154	2.459	ug/L	96
68) 1,2-Dibromo-3-chloropropan	13.01	75	1425	2.027	ug/L	89
69) 1,3,5-Trichlorobenzene	13.24	180	4636	2.042	ug/L	97
70) 1,2,4-trichlorobenzene	13.86	180	3410	1.801	ug/L	94
71) Naphthalene	14.10	128	10081	1.510	ug/L	98
72) 1,2,3-Trichlorobenzene	14.35	180	3336	1.768	ug/L	99

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

ALS Vial : 9 Sample Multiplier: 1

Response via : Initial Calibration





#2

Dichlorodifluoromethane

Concen: 2.280 ug/L

RT: 1.39 min Scan# 17

Delta R.T. -0.00 min

Lab File: VU036698.D

Acq: 07 Feb 2020 13:13

Instrument :

MSVOA_U

ClientSampleId :

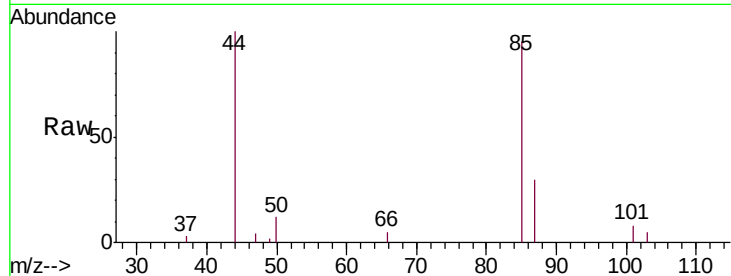
MDL01

Tgt Ion: 85 Resp: 4132

Ion Ratio Lower Upper

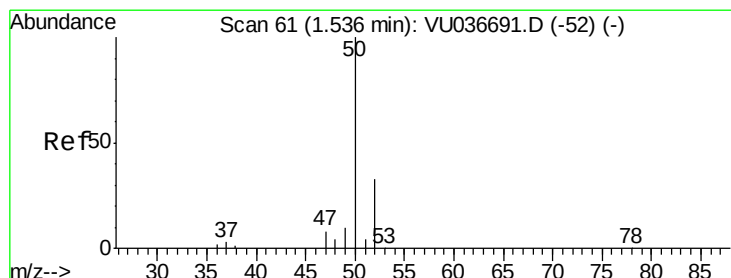
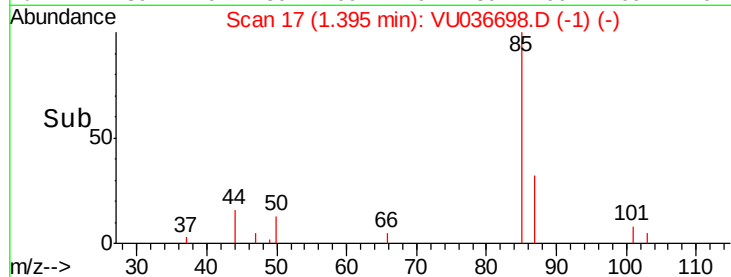
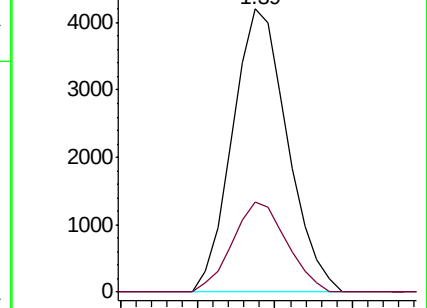
85 100

87 31.4 25.9 38.9



Abundance Ion 85.00 (84.70 to 85.70): VU036698.D (-10) (-)

Ion 87.00 (86.70 to 87.70): VU036698.D (-10) (-)



#3

Chloromethane

Concen: 2.325 ug/L

RT: 1.54 min Scan# 62

Delta R.T. 0.00 min

Lab File: VU036698.D

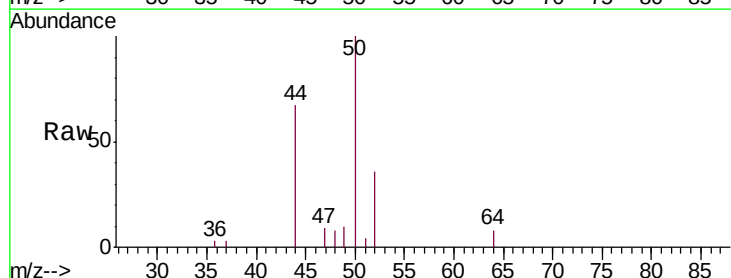
Acq: 07 Feb 2020 13:13

Tgt Ion: 50 Resp: 4992

Ion Ratio Lower Upper

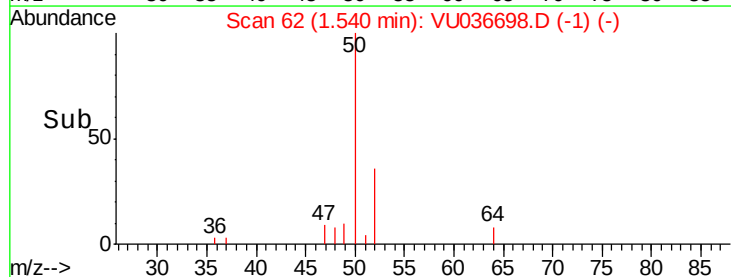
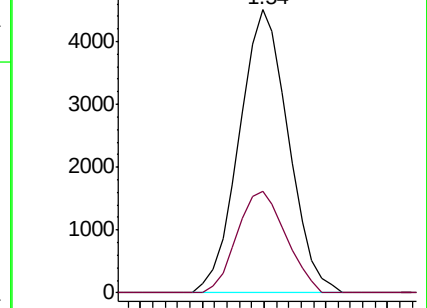
50 100

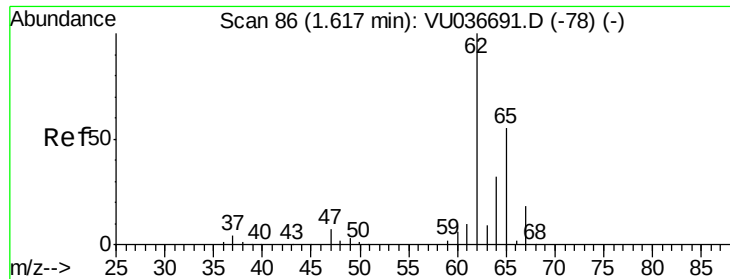
52 35.8 22.9 42.5



Abundance Ion 50.00 (49.70 to 50.70): VU036698.D (-52) (-)

Ion 52.00 (51.70 to 52.70): VU036698.D (-52) (-)





#5

Vinyl chloride

Concen: 2.365 ug/L

RT: 1.62 min Scan# 87

Delta R.T. 0.00 min

Lab File: VU036698.D

Acq: 07 Feb 2020 13:13

Instrument :

MSVOA_U

ClientSampleId :

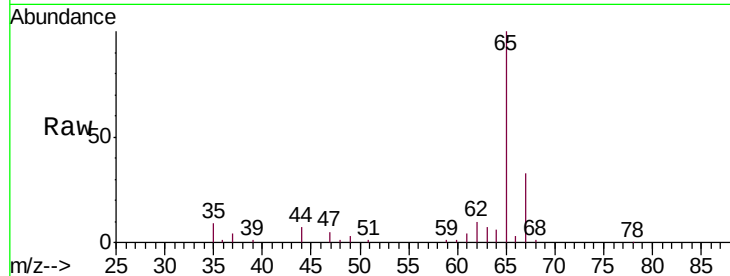
MDL01

Tgt Ion: 62 Resp: 5469

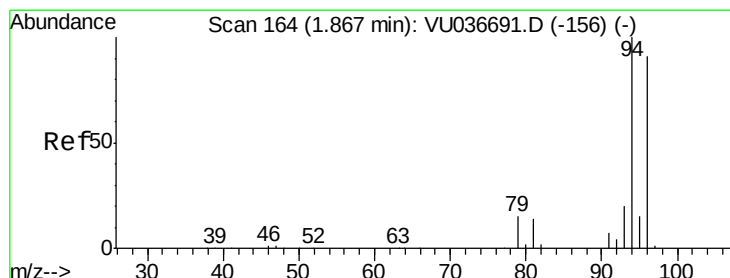
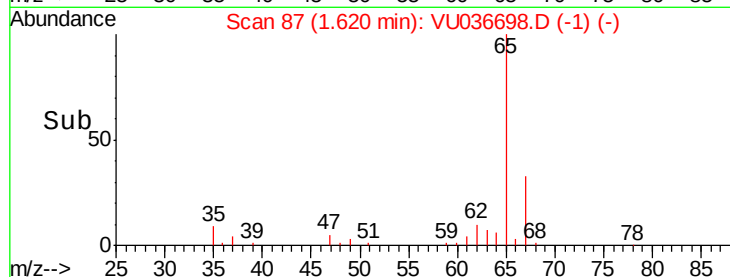
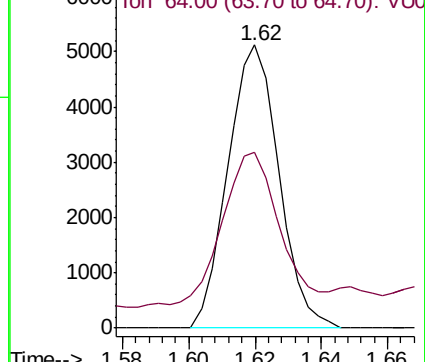
Ion Ratio Lower Upper

62 100

64 62.0 23.4 43.6#



Abundance Ion 62.00 (61.70 to 62.70): VU036698.D (-1) (-)



#6

Bromomethane

Concen: 2.369 ug/L

RT: 1.87 min Scan# 166

Delta R.T. 0.01 min

Lab File: VU036698.D

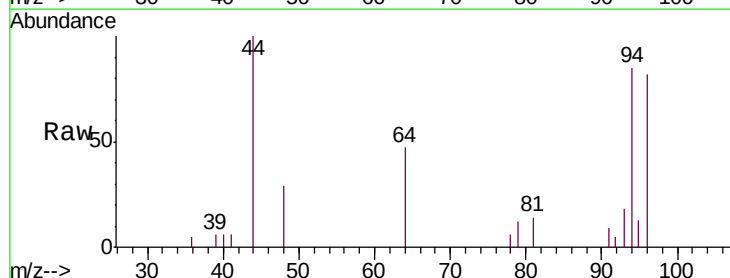
Acq: 07 Feb 2020 13:13

Tgt Ion: 94 Resp: 3435

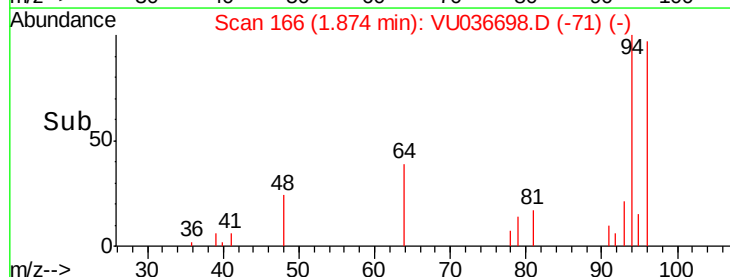
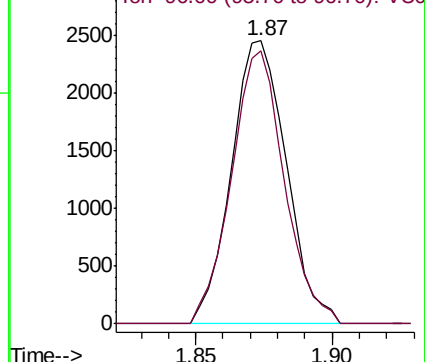
Ion Ratio Lower Upper

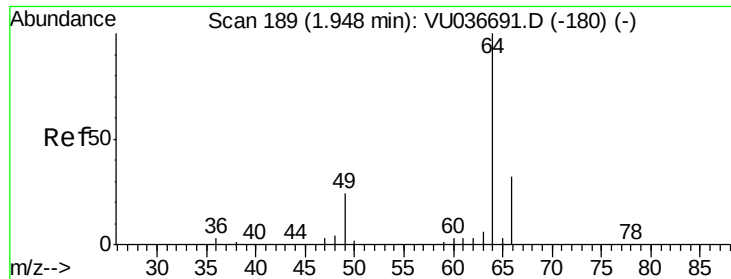
94 100

96 96.7 66.3 123.1



Abundance Ion 94.00 (93.70 to 94.70): VU036698.D (-71) (-)

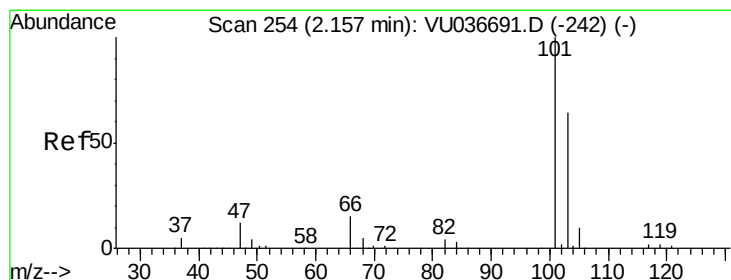
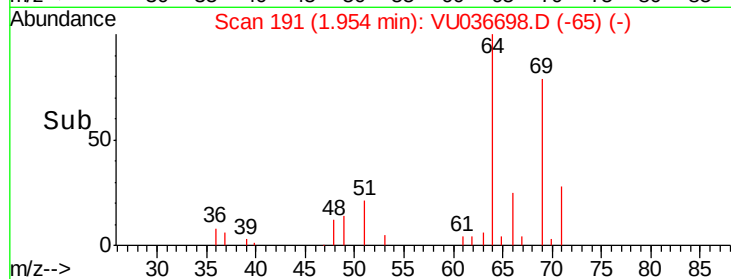
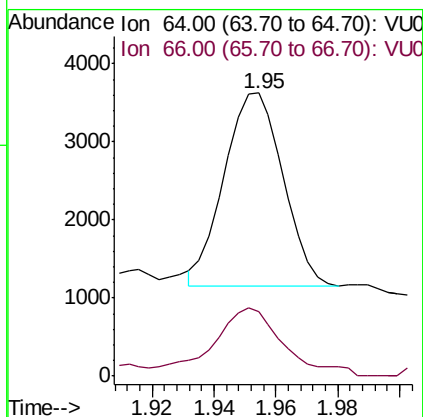
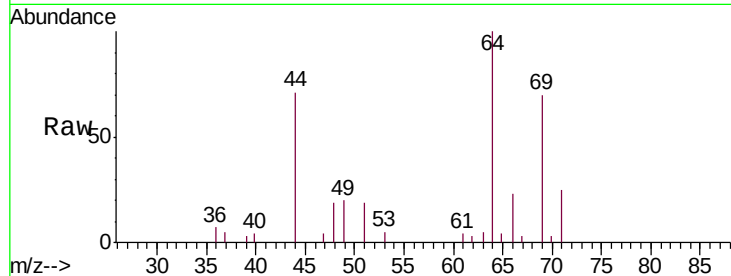




#8
Chloroethane
Concen: 2.224 ug/L
RT: 1.95 min Scan# 191
Delta R.T. 0.01 min
Lab File: VU036698.D
Acq: 07 Feb 2020 13:13

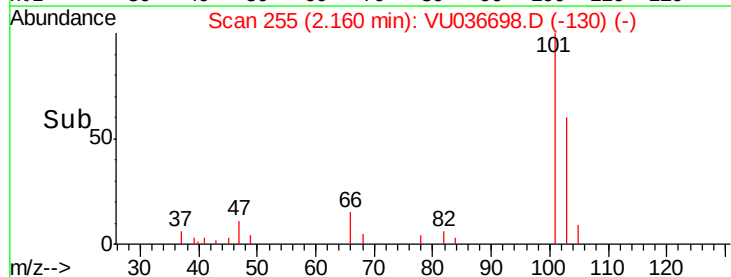
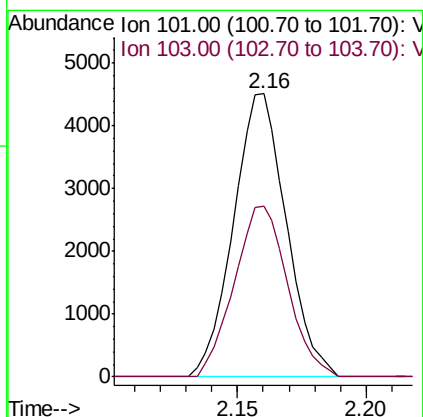
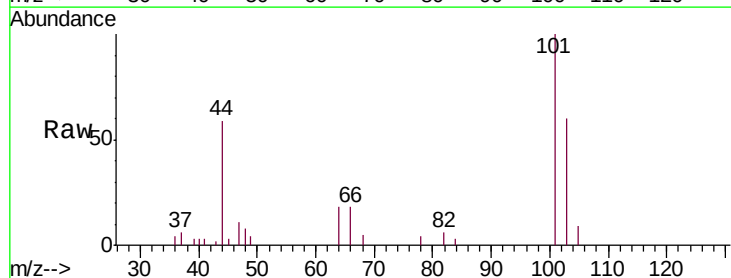
Instrument :
MSVOA_U
ClientSampleId :
MDL01

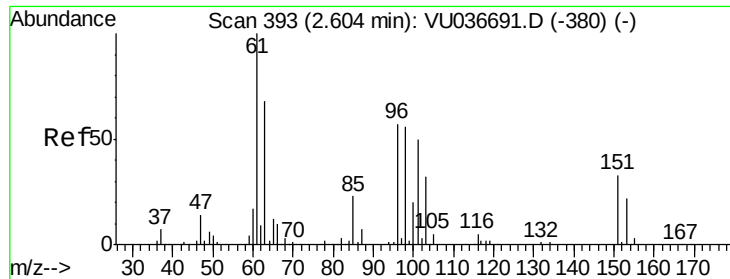
Tgt Ion: 64 Resp: 3263
Ion Ratio Lower Upper
64 100
66 22.7 22.1 41.1



#9
Trichlorofluoromethane
Concen: 2.351 ug/L
RT: 2.16 min Scan# 255
Delta R.T. 0.00 min
Lab File: VU036698.D
Acq: 07 Feb 2020 13:13

Tgt Ion: 101 Resp: 6460
Ion Ratio Lower Upper
101 100
103 60.9 51.6 77.4





#10

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

Concen: 2.801 ug/L

RT: 2.60 min Scan# 393

Delta R.T. -0.00 min

Lab File: VU036698.D

Acq: 07 Feb 2020 13:13

Instrument :

MSVOA_U

ClientSampleId :

MDL01

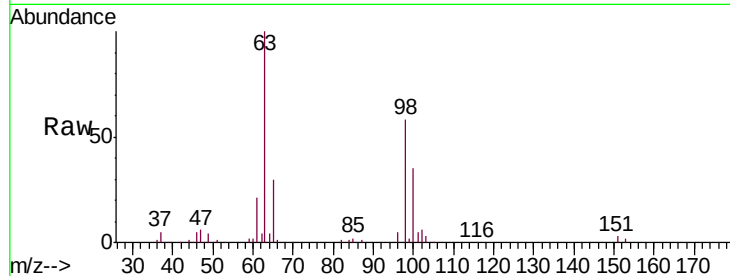
Tgt Ion:101 Resp: 4610

Ion Ratio Lower Upper

101 100

85 40.8 36.5 54.7

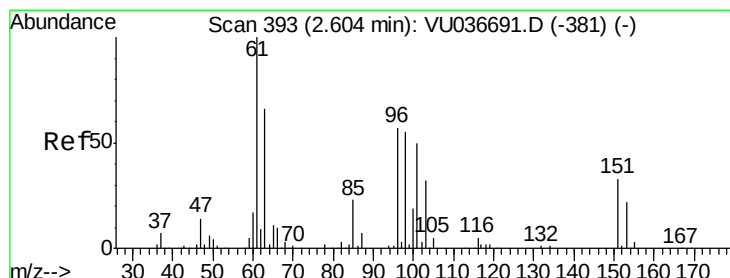
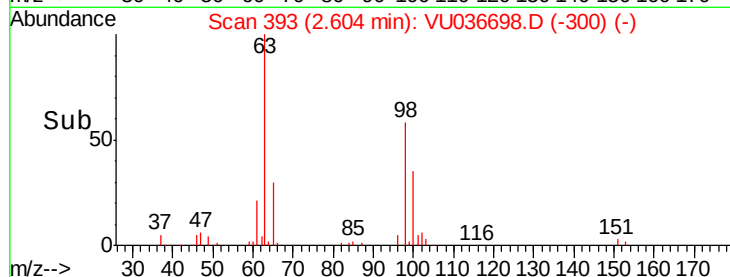
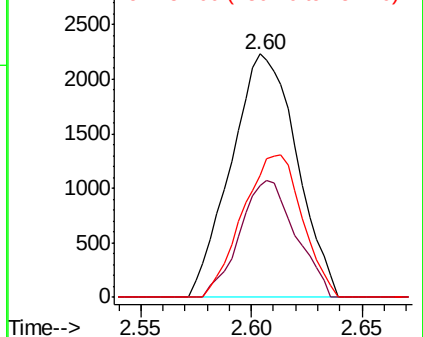
151 53.2 52.6 78.8



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: 2.635 ug/L

RT: 2.61 min Scan# 394

Delta R.T. 0.00 min

Lab File: VU036698.D

Acq: 07 Feb 2020 13:13

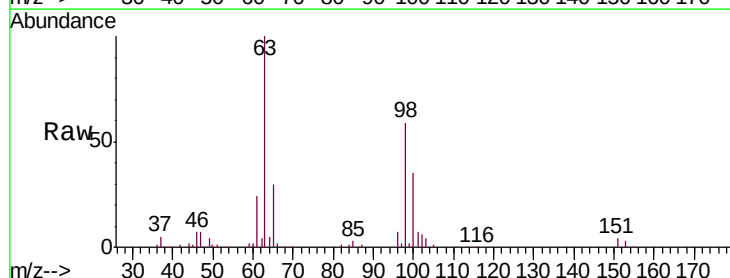
Tgt Ion: 96 Resp: 4222

Ion Ratio Lower Upper

96 100

61 337.6 124.4 231.0#

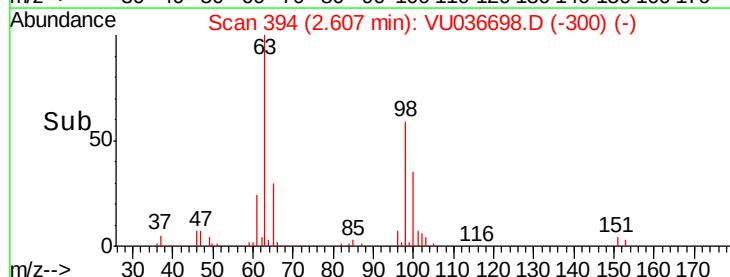
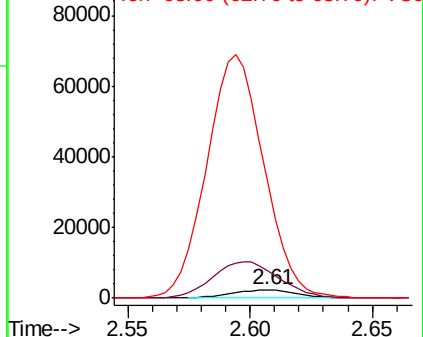
63 1407.1 83.4 155.0#

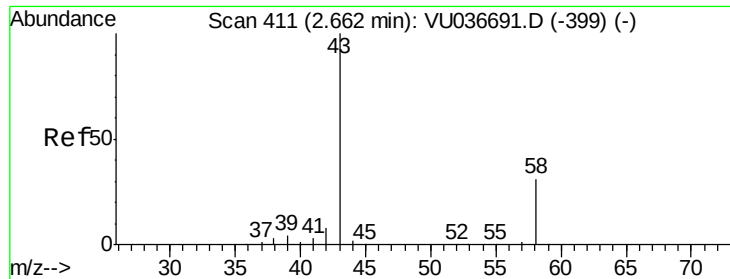


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 6.417 ug/L

RT: 2.66 min Scan# 411

Delta R.T. -0.00 min

Lab File: VU036698.D

Acq: 07 Feb 2020 13:13

Instrument :

MSVOA_U

ClientSampled :

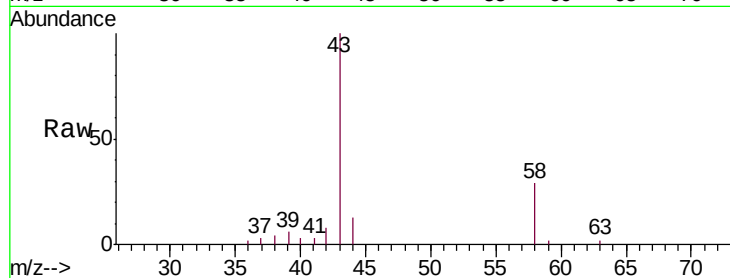
MDL01

Tgt Ion: 43 Resp: 10172

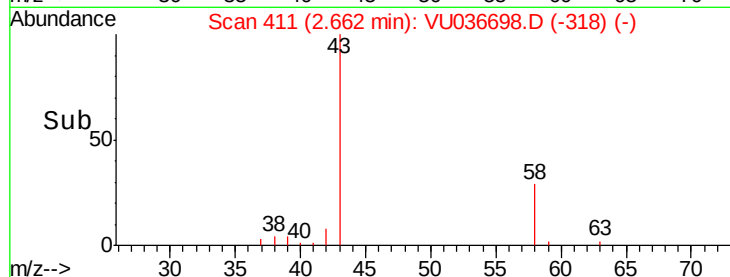
Ion Ratio Lower Upper

43 100

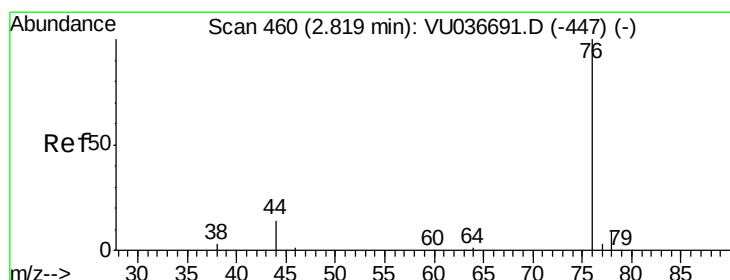
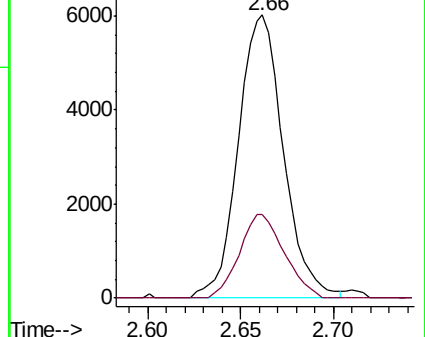
58 29.3 0.0 64.0



Abundance Ion 43.00 (42.70 to 43.70): VU036698.D (-318) (-)



Ion 58.00 (57.70 to 58.70): VU036698.D (-318) (-)



#14

Carbon disulfide

Concen: 2.319 ug/L

RT: 2.82 min Scan# 461

Delta R.T. 0.00 min

Lab File: VU036698.D

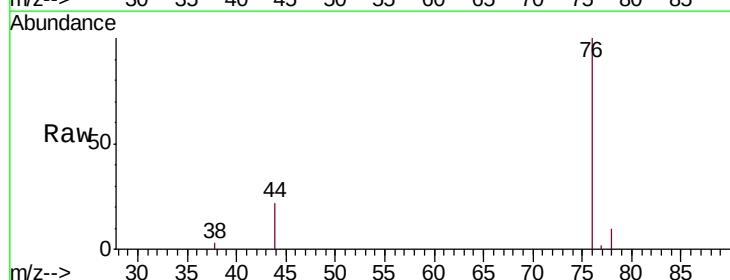
Acq: 07 Feb 2020 13:13

Tgt Ion: 76 Resp: 11104

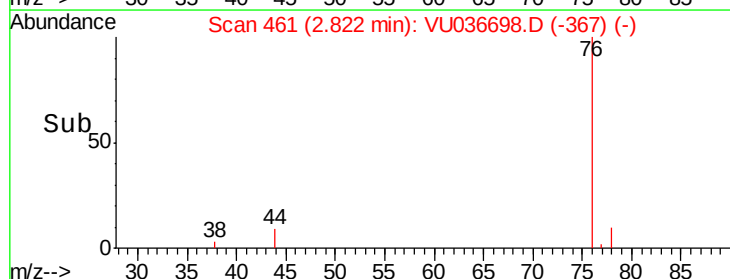
Ion Ratio Lower Upper

76 100

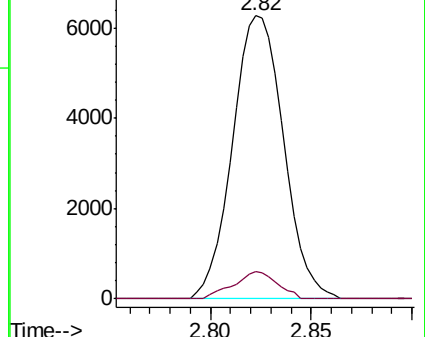
78 9.7 7.3 10.9

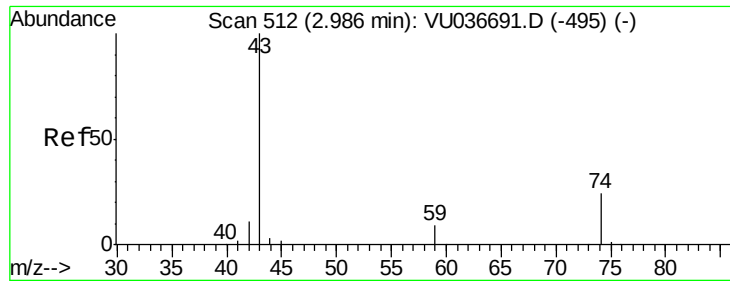


Abundance Ion 76.00 (75.70 to 76.70): VU036698.D (-367) (-)



Ion 78.00 (77.70 to 78.70): VU036698.D (-367) (-)

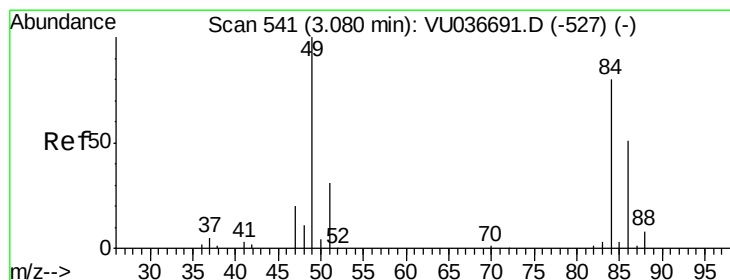
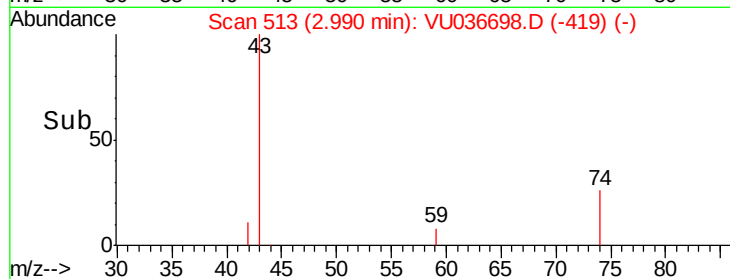
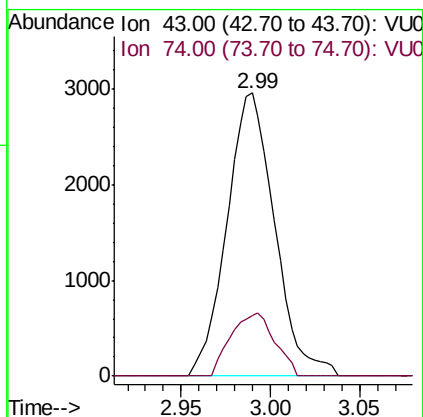
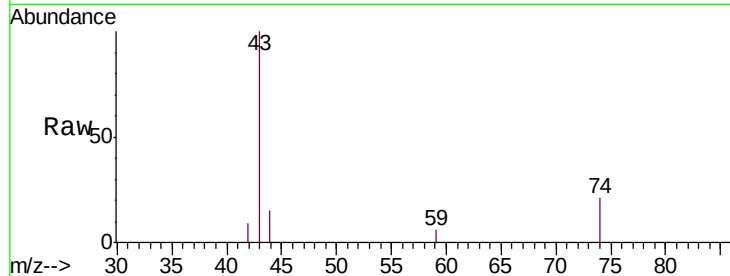




#15
Methyl Acetate
Concen: 2.411 ug/L
RT: 2.99 min Scan# 513
Delta R.T. 0.00 min
Lab File: VU036698.D
Acq: 07 Feb 2020 13:13

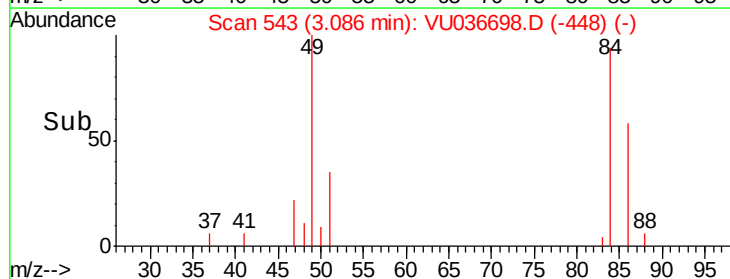
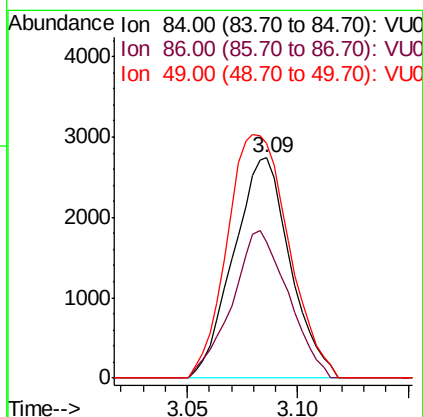
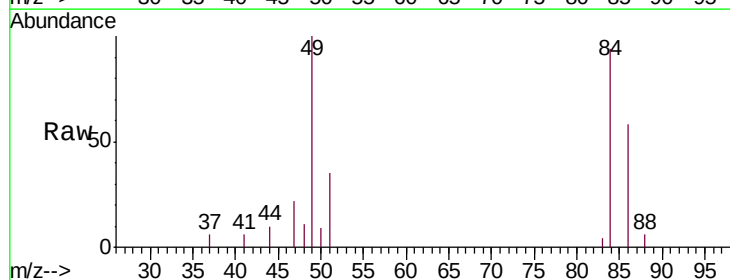
Instrument :
MSVOA_U
ClientSampleId :
MDL01

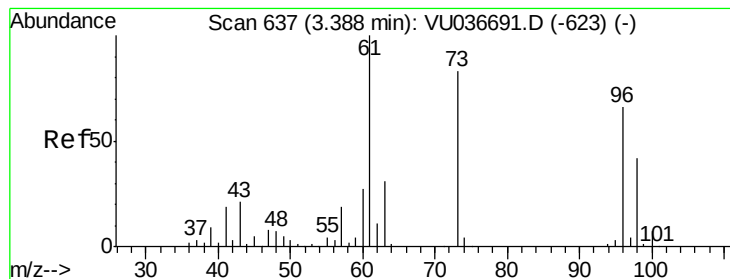
Tgt Ion: 43 Resp: 5526
Ion Ratio Lower Upper
43 100
74 20.3 18.7 28.1



#16
Methylene chloride
Concen: 2.475 ug/L
RT: 3.09 min Scan# 543
Delta R.T. 0.01 min
Lab File: VU036698.D
Acq: 07 Feb 2020 13:13

Tgt Ion: 84 Resp: 4893
Ion Ratio Lower Upper
84 100
86 62.0 44.4 82.5
49 106.3 89.2 165.8





#17

trans-1,2-Dichloroethene

Concen: 2.371 ug/L

RT: 3.39 min Scan# 639

Delta R.T. 0.01 min

Lab File: VU036698.D

Acq: 07 Feb 2020 13:13

Instrument :

MSVOA_U

ClientSampleId :

MDL01

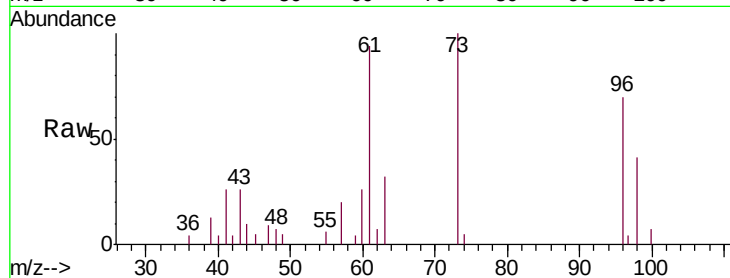
Tgt Ion: 96 Resp: 4041

Ion Ratio Lower Upper

96 100

61 135.3 103.4 192.0

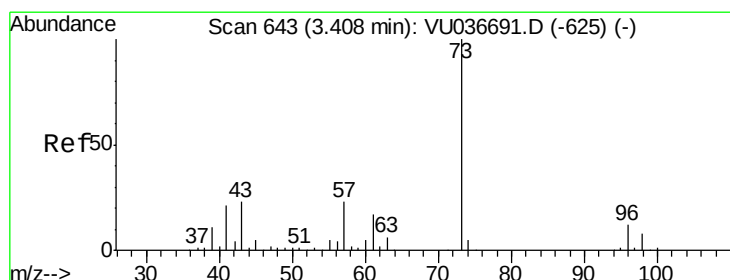
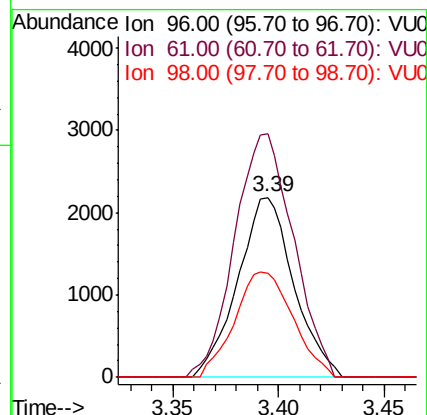
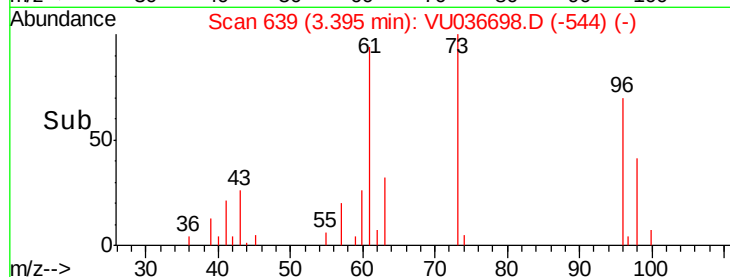
98 58.1 45.4 84.2



Abundance Ion 96.00 (95.70 to 96.70): VU036698.D (-544) (-)

Ion 61.00 (60.70 to 61.70): VU036698.D (-544) (-)

Ion 98.00 (97.70 to 98.70): VU036698.D (-544) (-)



#18

Methyl tert-butyl Ether

Concen: 2.373 ug/L

RT: 3.41 min Scan# 644

Delta R.T. 0.00 min

Lab File: VU036698.D

Acq: 07 Feb 2020 13:13

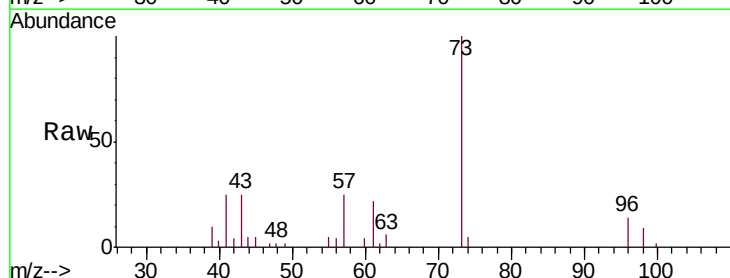
Tgt Ion: 73 Resp: 14037

Ion Ratio Lower Upper

73 100

43 24.3 18.6 28.0

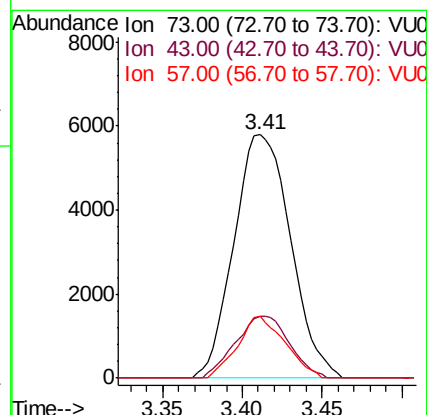
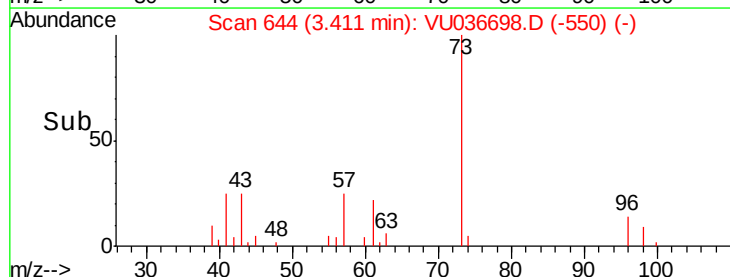
57 21.3 18.3 27.5

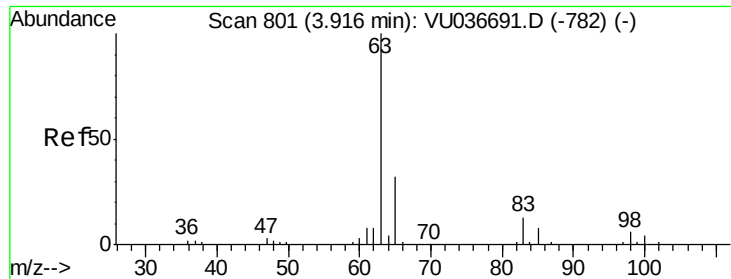


Abundance Ion 73.00 (72.70 to 73.70): VU036698.D (-550) (-)

Ion 43.00 (42.70 to 43.70): VU036698.D (-550) (-)

Ion 57.00 (56.70 to 57.70): VU036698.D (-550) (-)

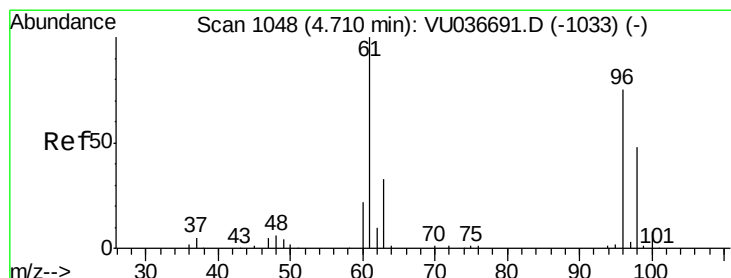
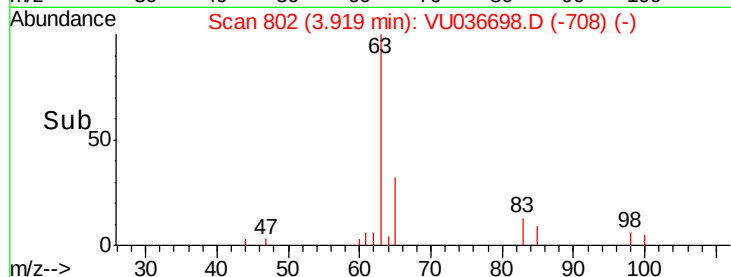
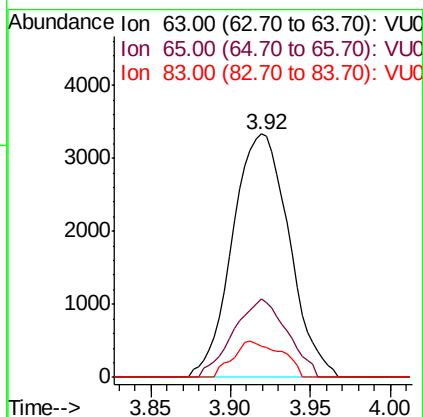
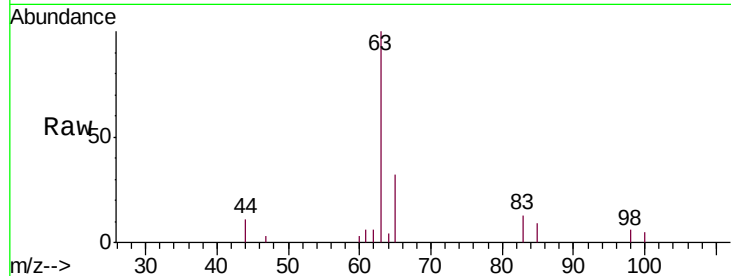




#19
 1,1-Dichloroethane
 Concen: 2.378 ug/L
 RT: 3.92 min Scan# 802
 Delta R.T. 0.00 min
 Lab File: VU036698.D
 Acq: 07 Feb 2020 13:13

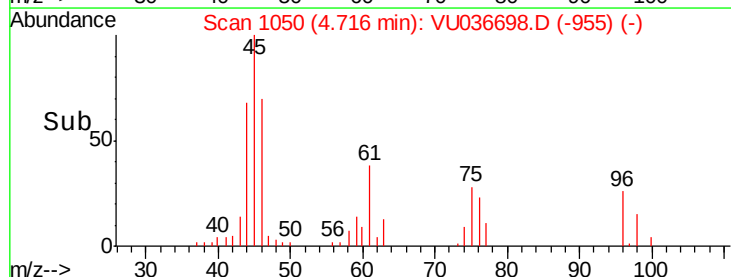
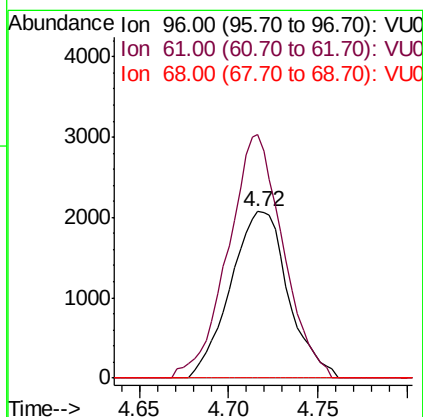
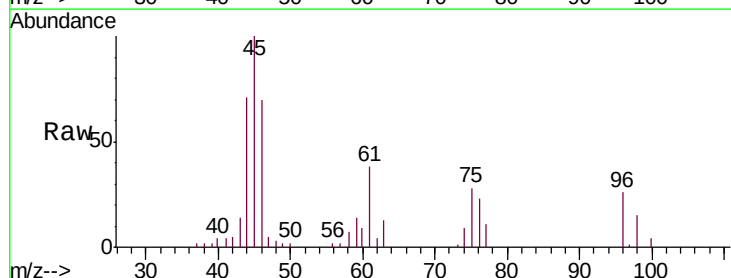
Instrument :
 MSVOA_U
 ClientSampleId :
 MDL01

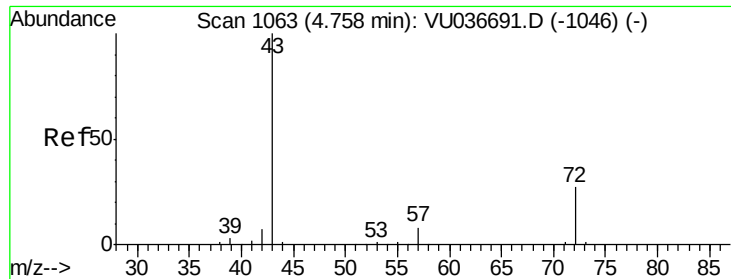
Tgt Ion: 63 Resp: 8076
 Ion Ratio Lower Upper
 63 100
 65 32.1 22.0 40.8
 83 12.9 10.1 18.7



#20
 cis-1,2-Dichloroethene
 Concen: 2.409 ug/L
 RT: 4.72 min Scan# 1050
 Delta R.T. 0.01 min
 Lab File: VU036698.D
 Acq: 07 Feb 2020 13:13

Tgt Ion: 96 Resp: 4679
 Ion Ratio Lower Upper
 96 100
 61 146.2 93.3 173.3
 68 0.0 0.0 0.0





#22

2-Butanone

Concen: 8.219 ug/L

RT: 4.76 min Scan# 1064

Delta R.T. 0.00 min

Lab File: VU036698.D

Acq: 07 Feb 2020 13:13

Instrument :

MSVOA_U

ClientSampleId :

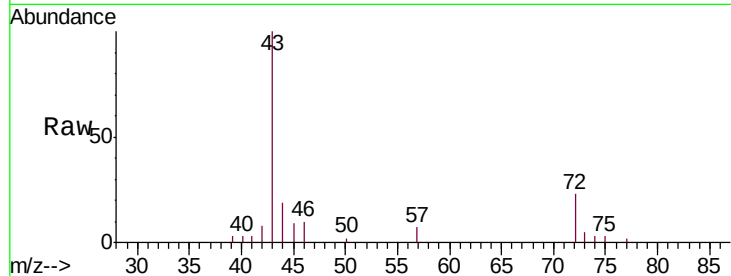
MDL01

Tgt Ion: 43 Resp: 15463

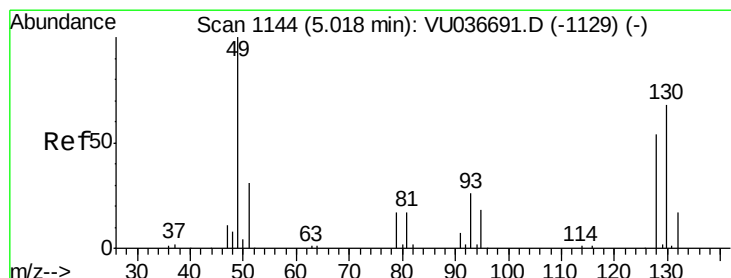
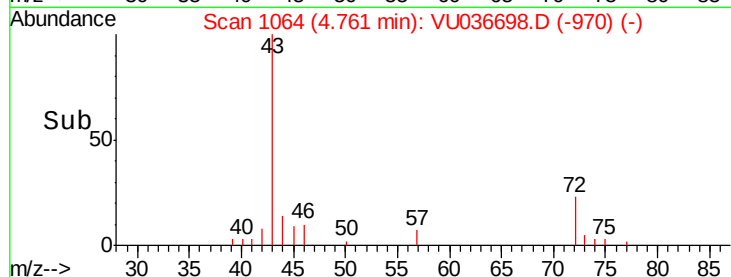
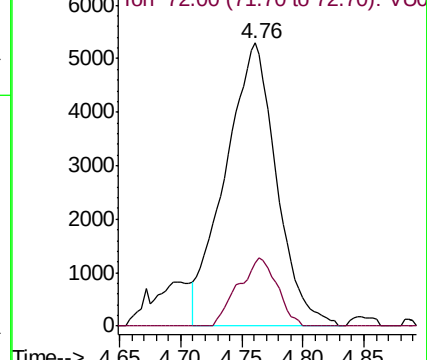
Ion Ratio Lower Upper

43 100

72 18.1 13.6 40.7



Abundance Ion 43.00 (42.70 to 43.70): VU036698.D (-970) (-)



#23

Bromochloromethane

Concen: 2.097 ug/L

RT: 5.02 min Scan# 1146

Delta R.T. 0.01 min

Lab File: VU036698.D

Acq: 07 Feb 2020 13:13

Tgt Ion: 128 Resp: 1909

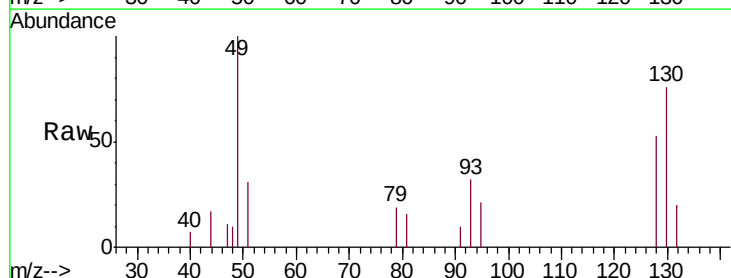
Ion Ratio Lower Upper

128 100

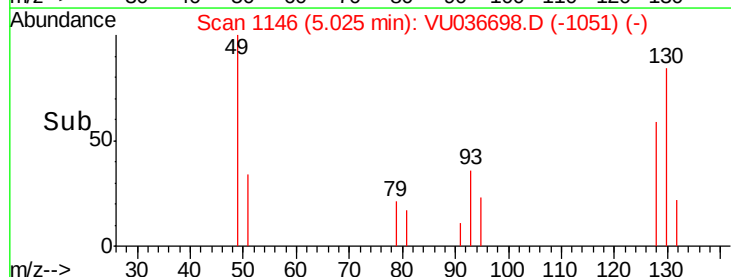
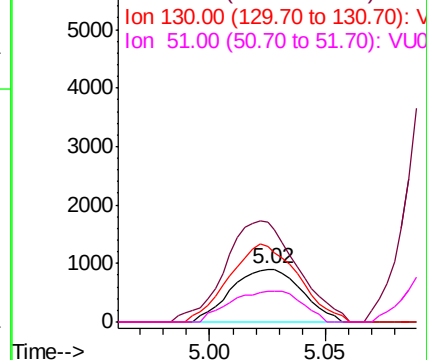
49 187.9 127.3 236.5

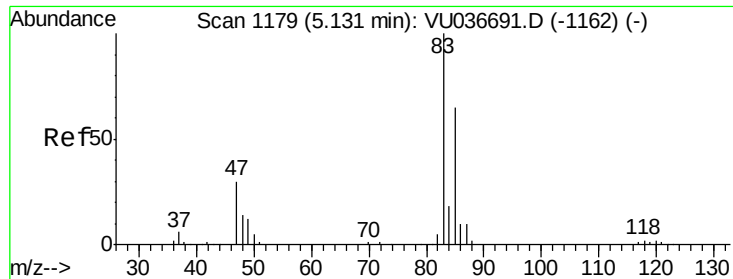
130 142.3 88.5 164.3

51 58.1 44.4 66.6



Abundance Ion 128.00 (127.70 to 128.70): VU036698.D (-1051) (-)

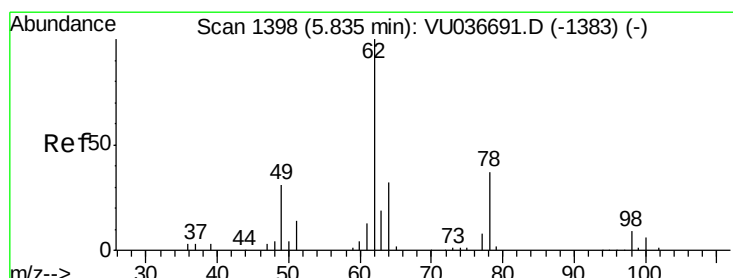
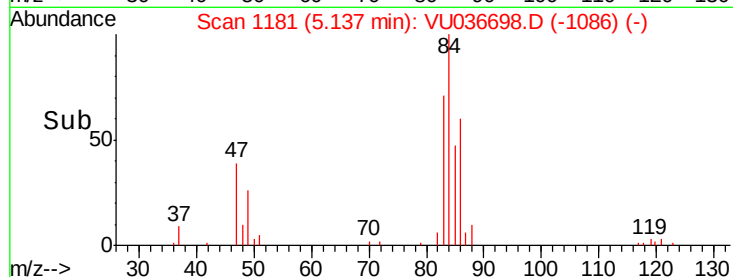
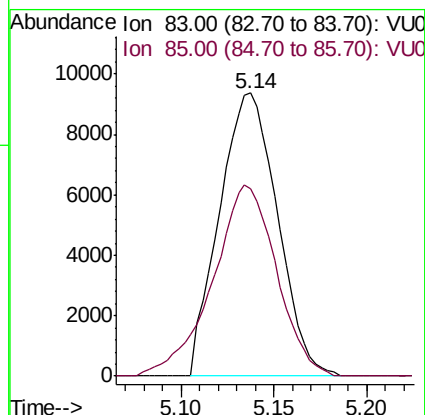
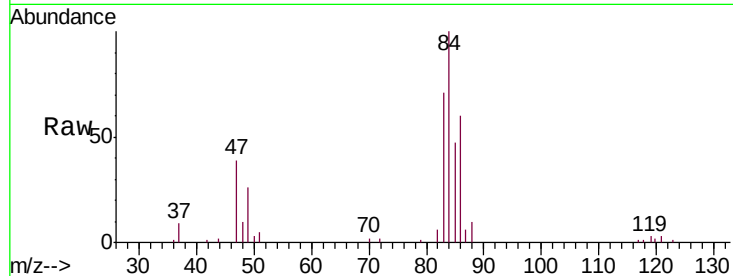




#25
Chloroform
Concen: 6.161 ug/L
RT: 5.14 min Scan# 1181
Delta R.T. 0.01 min
Lab File: VU036698.D
Acq: 07 Feb 2020 13:13

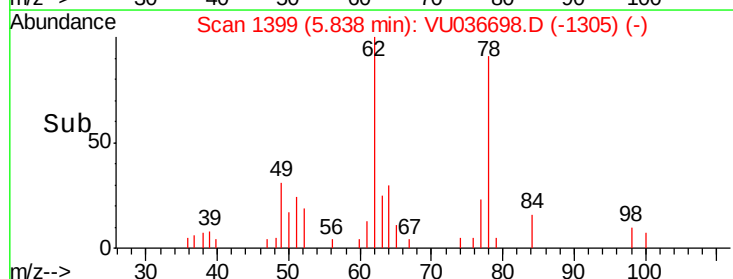
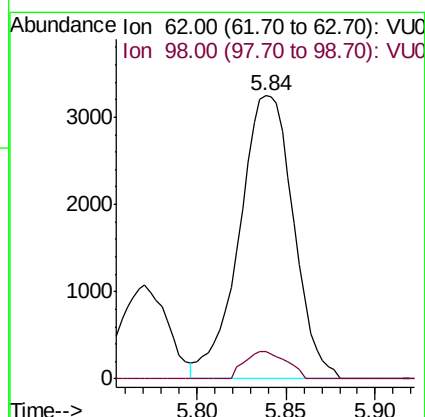
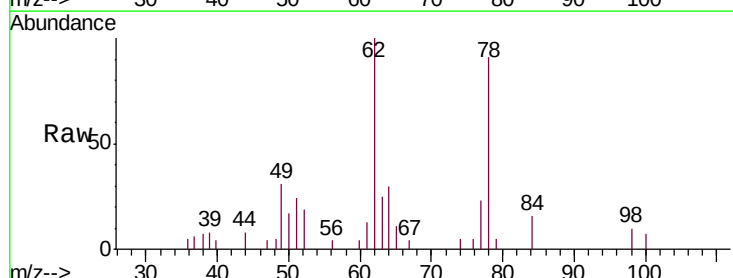
Instrument :
MSVOA_U
ClientSampleId :
MDL01

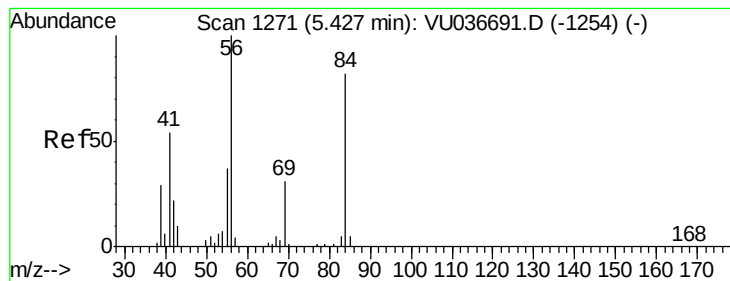
Tgt Ion: 83 Resp: 20350
Ion Ratio Lower Upper
83 100
85 66.4 44.6 82.8



#27
1,2-Dichloroethane
Concen: 2.475 ug/L
RT: 5.84 min Scan# 1399
Delta R.T. 0.00 min
Lab File: VU036698.D
Acq: 07 Feb 2020 13:13

Tgt Ion: 62 Resp: 6874
Ion Ratio Lower Upper
62 100
98 9.6 7.0 10.4





#29

Cyclohexane

Concen: 2.204 ug/L

RT: 5.43 min Scan# 1271

Delta R.T. -0.00 min

Lab File: VU036698.D

Acq: 07 Feb 2020 13:13

Instrument :

MSVOA_U

ClientSampleId :

MDL01

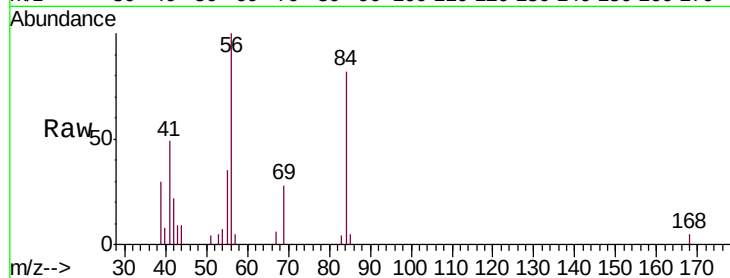
Tgt Ion: 56 Resp: 6977

Ion Ratio Lower Upper

56 100

69 31.0 25.0 37.4

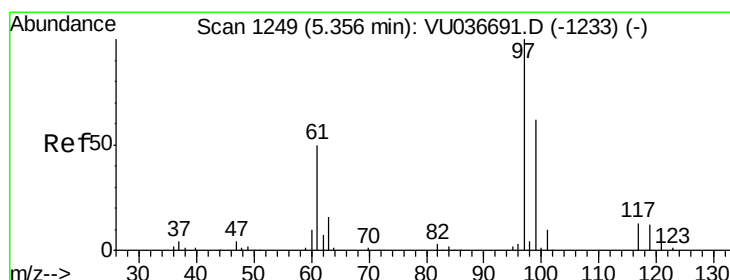
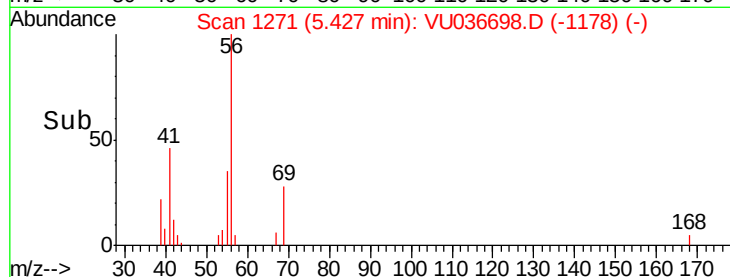
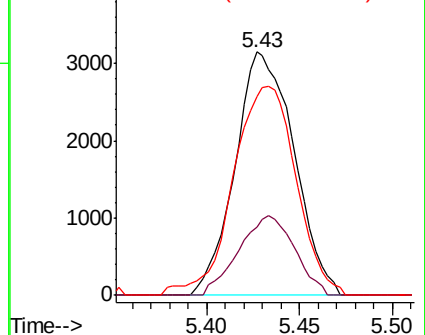
84 90.6 68.2 102.2



Abundance Ion 56.00 (55.70 to 56.70): VU036698.D (-1178) (-)

Ion 69.00 (68.70 to 69.70): VU036698.D (-1178) (-)

Ion 84.00 (83.70 to 84.70): VU036698.D (-1178) (-)



#30

1,1,1-Trichloroethane

Concen: 2.344 ug/L

RT: 5.36 min Scan# 1251

Delta R.T. 0.01 min

Lab File: VU036698.D

Acq: 07 Feb 2020 13:13

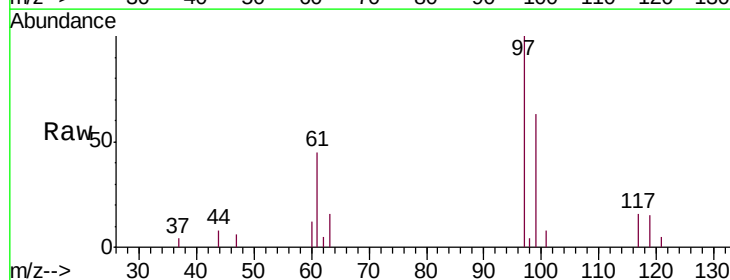
Tgt Ion: 97 Resp: 6135

Ion Ratio Lower Upper

97 100

99 64.5 50.9 76.3

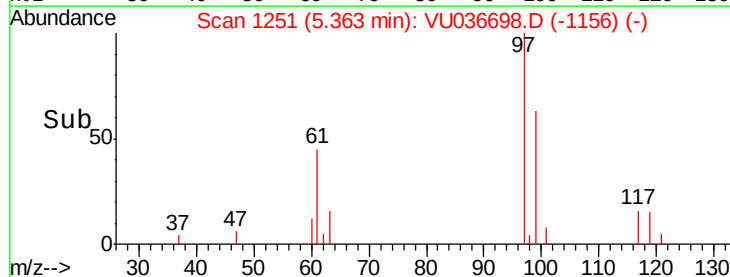
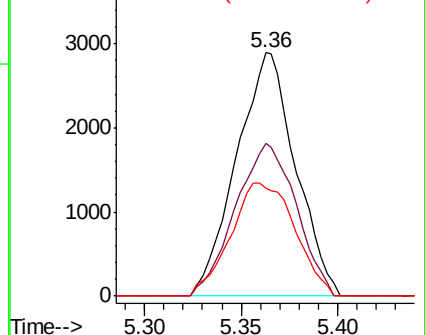
61 50.5 40.2 60.2

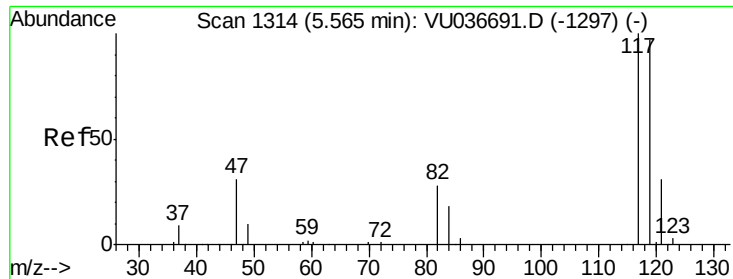


Abundance Ion 97.00 (96.70 to 97.70): VU036698.D (-1156) (-)

Ion 99.00 (98.70 to 99.70): VU036698.D (-1156) (-)

Ion 61.05 (60.75 to 61.75): VU036698.D (-1156) (-)





#31

Carbon tetrachloride

Concen: 2.303 ug/L

RT: 5.57 min Scan# 1316

Delta R.T. 0.01 min

Lab File: VU036698.D

Acq: 07 Feb 2020 13:13

Instrument :

MSVOA_U

ClientSampleId :

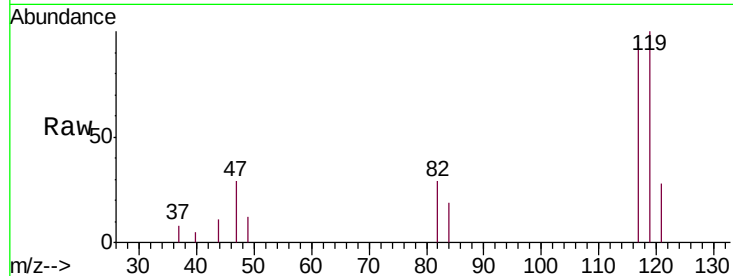
MDL01

Tgt Ion:117 Resp: 4880

Ion Ratio Lower Upper

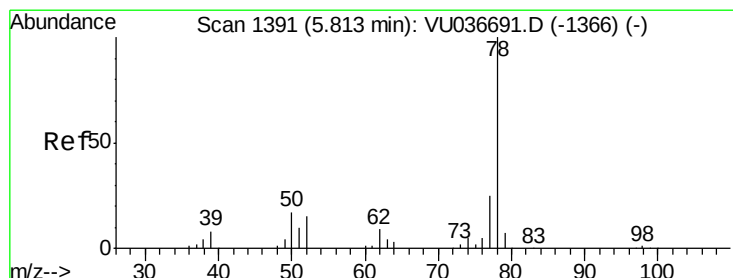
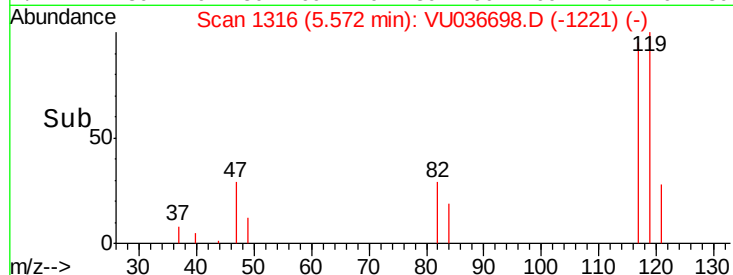
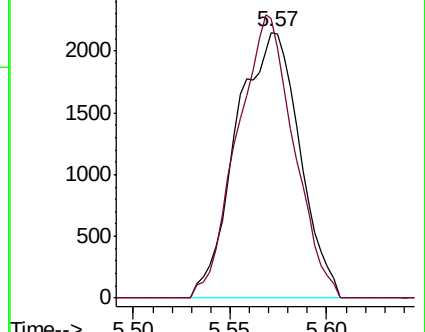
117 100

119 95.3 76.2 114.4



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#33

Benzene

Concen: 2.451 ug/L

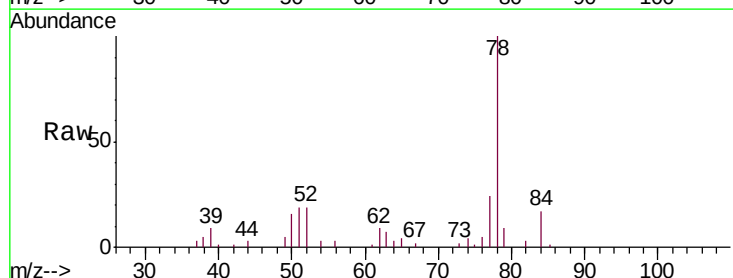
RT: 5.82 min Scan# 1392

Delta R.T. 0.00 min

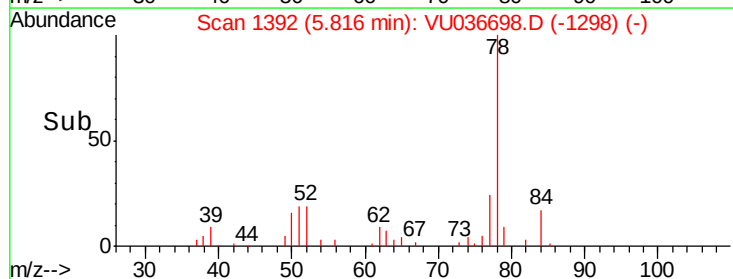
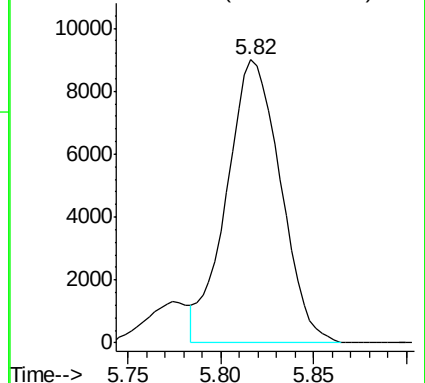
Lab File: VU036698.D

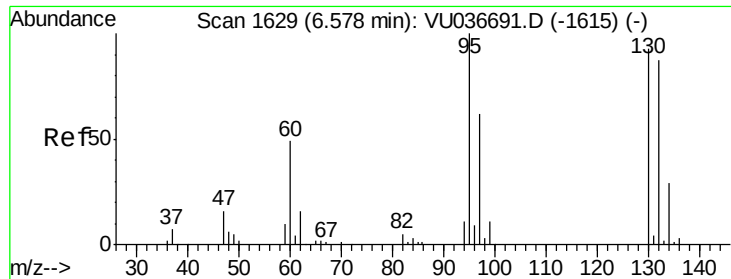
Acq: 07 Feb 2020 13:13

Tgt Ion: 78 Resp: 18270



Abundance Ion 78.00 (77.70 to 78.70): VU0





#34

Trichloroethene

Concen: 2.314 ug/L

RT: 6.58 min Scan# 1630

Delta R.T. 0.00 min

Lab File: VU036698.D

Acq: 07 Feb 2020 13:13

Instrument :

MSVOA_U

ClientSampleId :

MDL01

Tgt Ion: 95 Resp: 4264

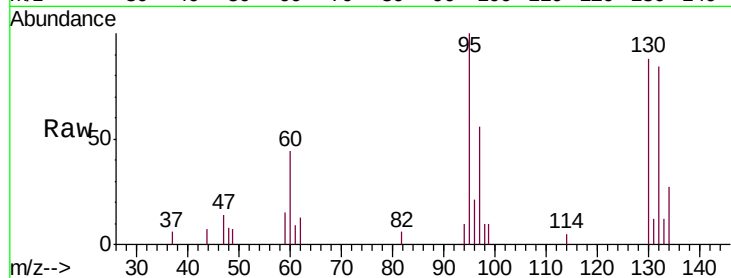
Ion Ratio Lower Upper

95 100

97 56.2 44.5 82.7

132 83.5 59.6 110.8

130 87.6 65.0 120.8

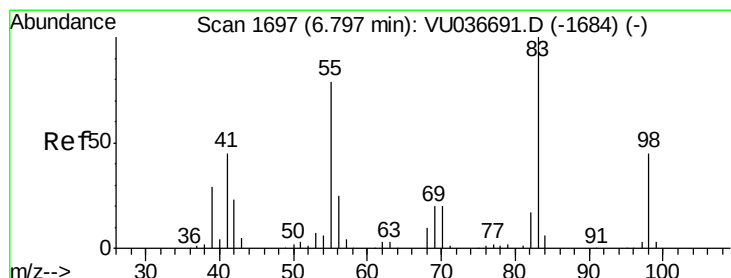
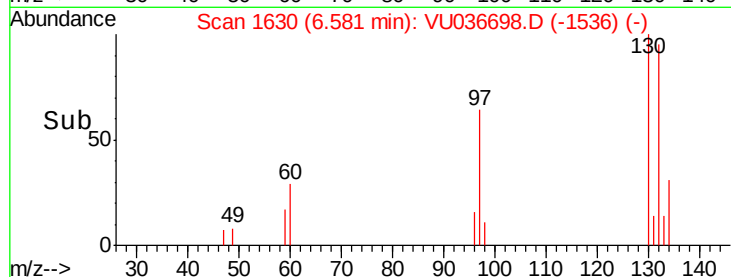
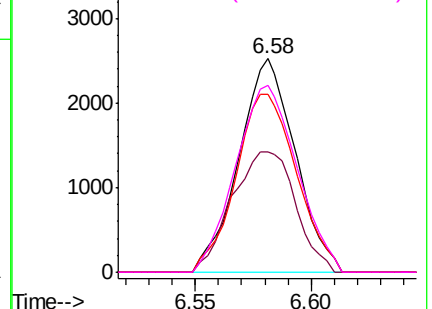


Abundance Ion 95.00 (94.70 to 95.70): VU036698.D (-1615) (-)

Ion 97.00 (96.70 to 97.70): VU036698.D (-1615) (-)

Ion 132.00 (131.70 to 132.70): VU036698.D (-1615) (-)

Ion 130.00 (129.70 to 130.70): VU036698.D (-1615) (-)



#35

Methylcyclohexane

Concen: 2.425 ug/L

RT: 6.80 min Scan# 1697

Delta R.T. -0.00 min

Lab File: VU036698.D

Acq: 07 Feb 2020 13:13

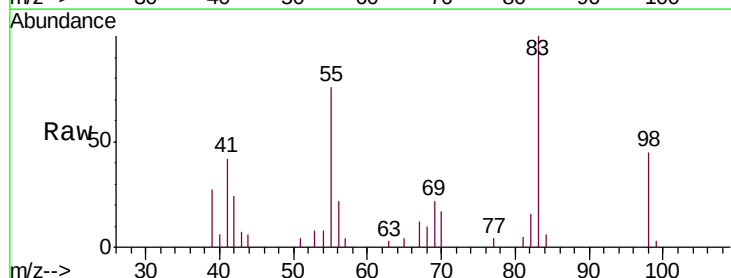
Tgt Ion: 83 Resp: 7869

Ion Ratio Lower Upper

83 100

55 73.4 61.2 91.8

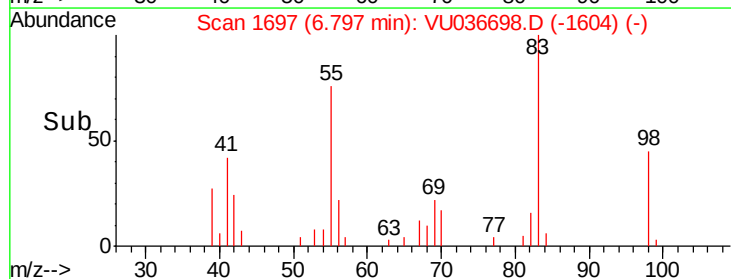
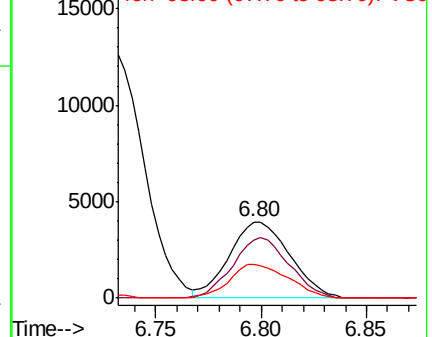
98 43.0 35.4 53.0

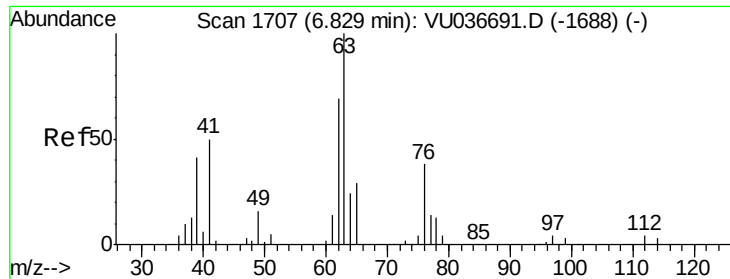


Abundance Ion 83.00 (82.70 to 83.70): VU036698.D (-1684) (-)

Ion 55.00 (54.70 to 55.70): VU036698.D (-1684) (-)

Ion 98.00 (97.70 to 98.70): VU036698.D (-1684) (-)

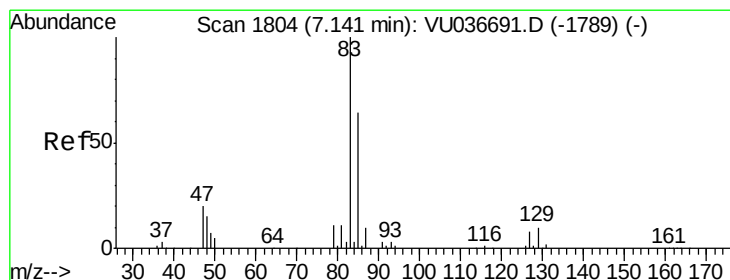
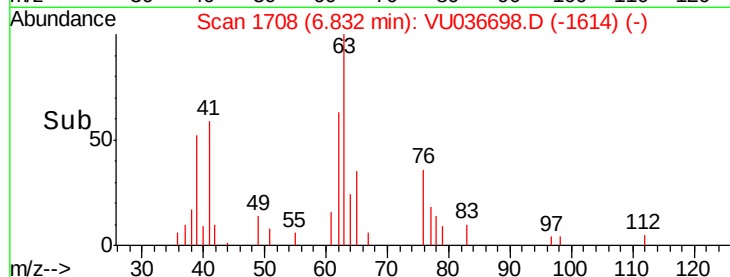
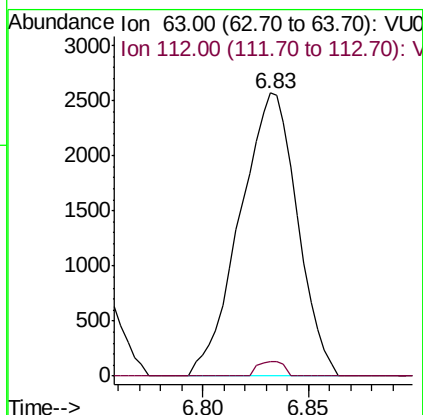
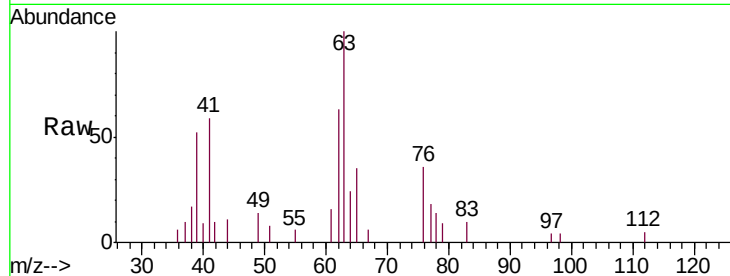




#37
 1,2-Dichloropropane
 Concen: 2.419 ug/L
 RT: 6.83 min Scan# 1708
 Delta R.T. 0.00 min
 Lab File: VU036698.D
 Acq: 07 Feb 2020 13:13

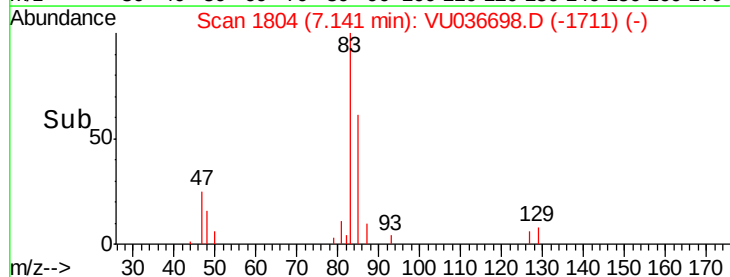
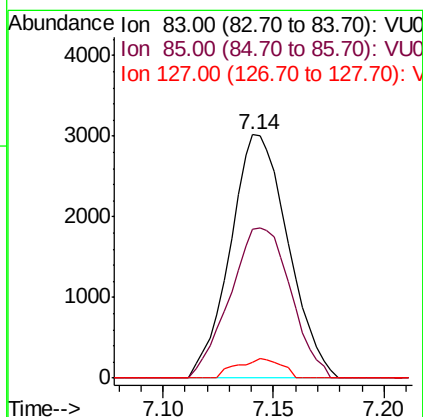
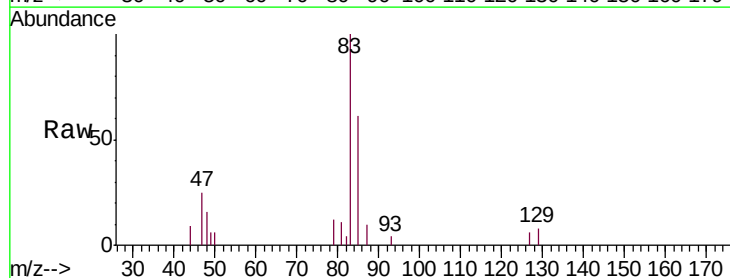
Instrument :
 MSVOA_U
 ClientSampleId :
 MDL01

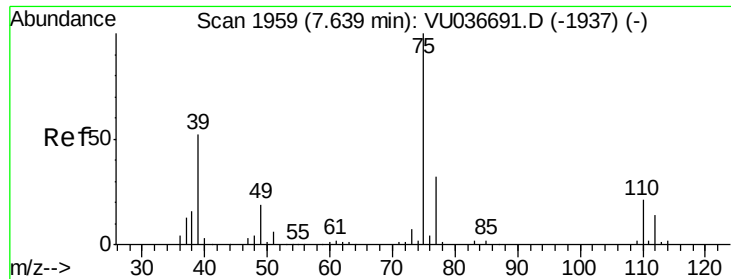
Tgt Ion: 63 Resp: 4862
 Ion Ratio Lower Upper
 63 100
 112 2.4 3.1 4.7#



#38
 Bromodichloromethane
 Concen: 2.246 ug/L
 RT: 7.14 min Scan# 1804
 Delta R.T. -0.00 min
 Lab File: VU036698.D
 Acq: 07 Feb 2020 13:13

Tgt Ion: 83 Resp: 5486
 Ion Ratio Lower Upper
 83 100
 85 60.9 43.9 81.5
 127 6.5 6.0 9.0

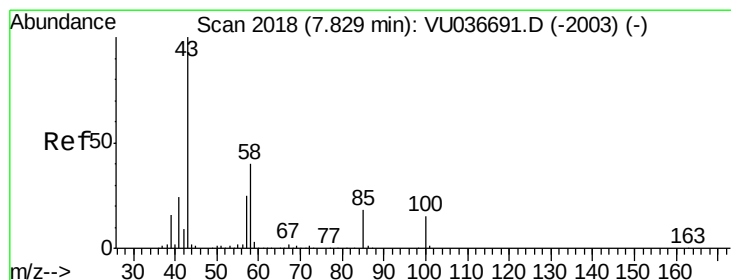
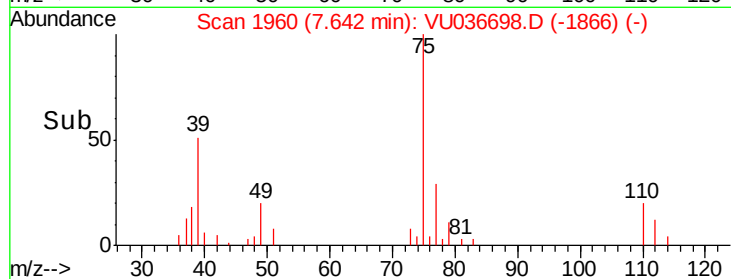
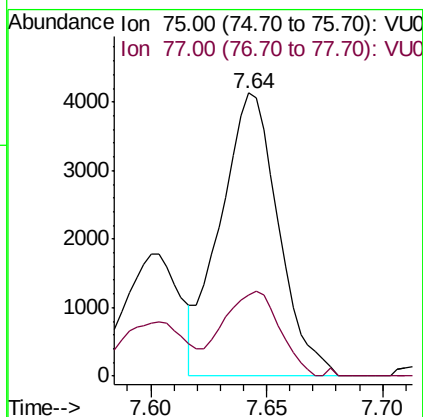
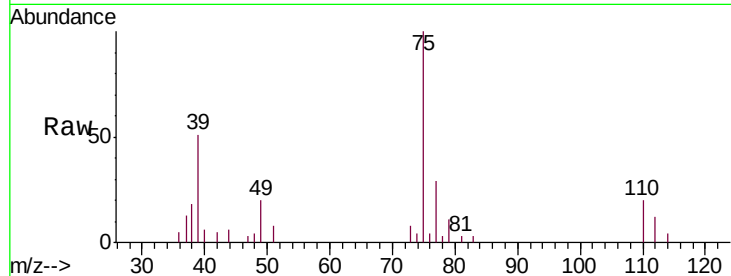




#39
 cis-1,3-Dichloropropene
 Concen: 2.244 ug/L
 RT: 7.64 min Scan# 1960
 Delta R.T. 0.00 min
 Lab File: VU036698.D
 Acq: 07 Feb 2020 13:13

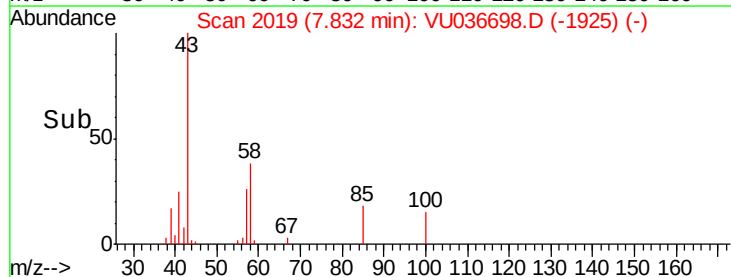
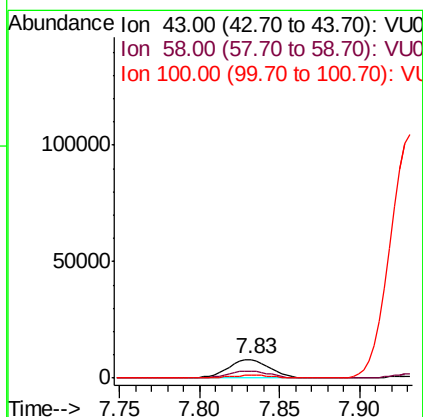
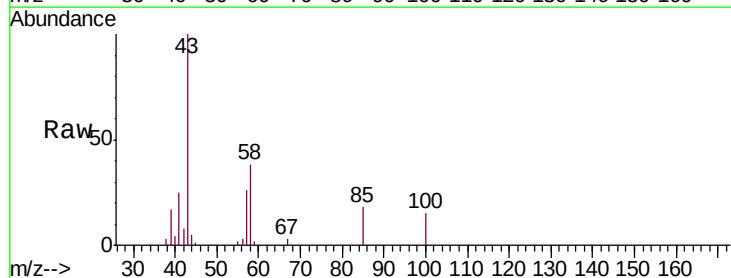
Instrument :
 MSVOA_U
 ClientSampleId :
 MDL01

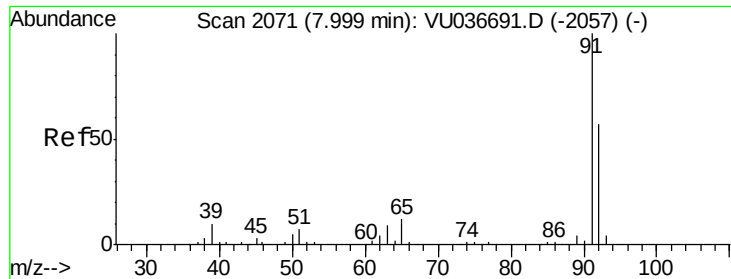
Tgt Ion: 75 Resp: 7204
 Ion Ratio Lower Upper
 75 100
 77 28.8 22.3 41.5



#40
 4-Methyl-2-pentanone
 Concen: 4.568 ug/L
 RT: 7.83 min Scan# 2019
 Delta R.T. 0.00 min
 Lab File: VU036698.D
 Acq: 07 Feb 2020 13:13

Tgt Ion: 43 Resp: 14503
 Ion Ratio Lower Upper
 43 100
 58 37.4 31.0 46.6
 100 14.4 11.4 17.2





#42

Toluene

Concen: 2.478 ug/L

RT: 8.00 min Scan# 2072

Delta R.T. 0.00 min

Lab File: VU036698.D

Acq: 07 Feb 2020 13:13

Instrument :

MSVOA_U

ClientSampleId :

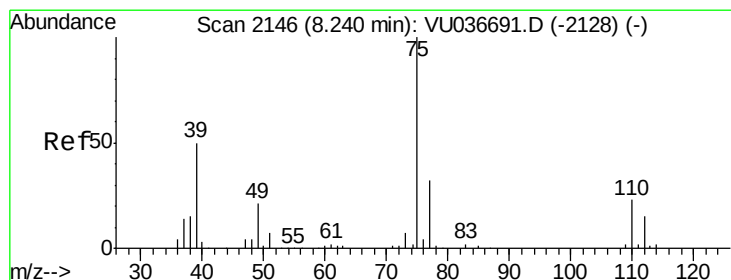
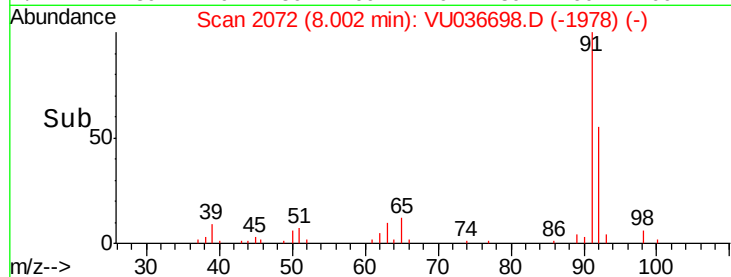
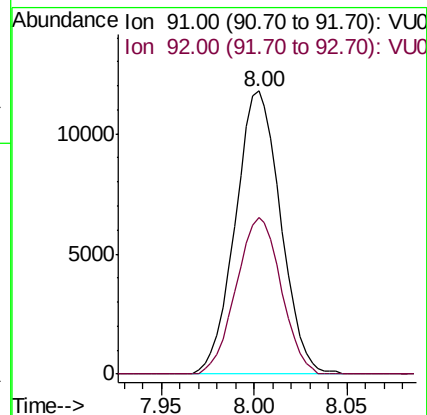
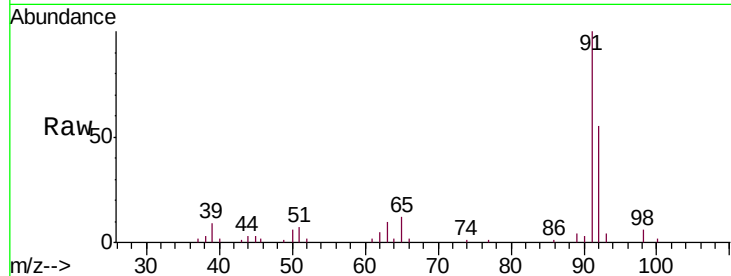
MDL01

Tgt Ion: 91 Resp: 19957

Ion Ratio Lower Upper

91 100

92 55.2 39.5 73.3



#44

trans-1,3-Dichloropropene

Concen: 3.089 ug/L

RT: 8.24 min Scan# 2147

Delta R.T. 0.00 min

Lab File: VU036698.D

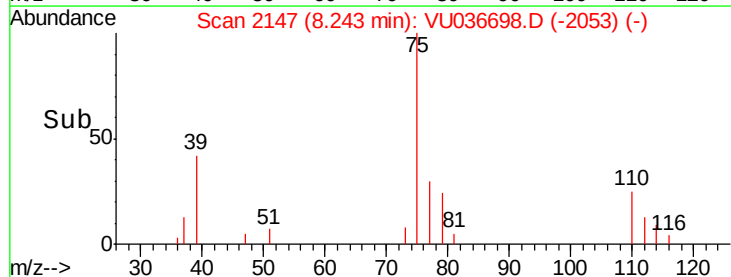
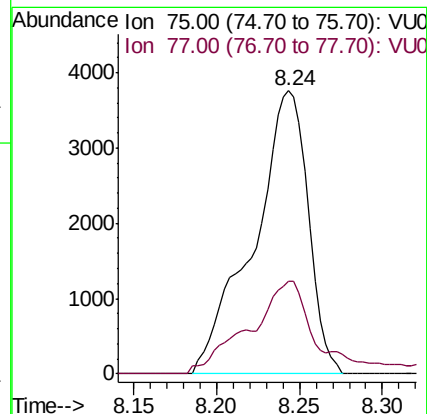
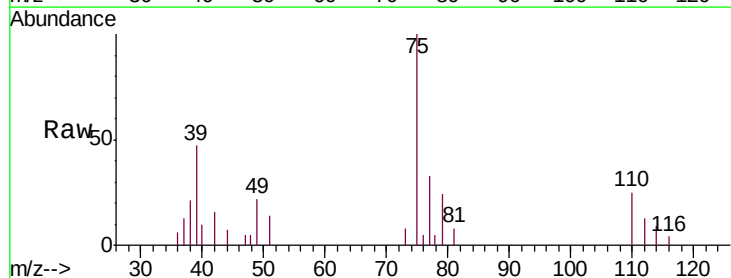
Acq: 07 Feb 2020 13:13

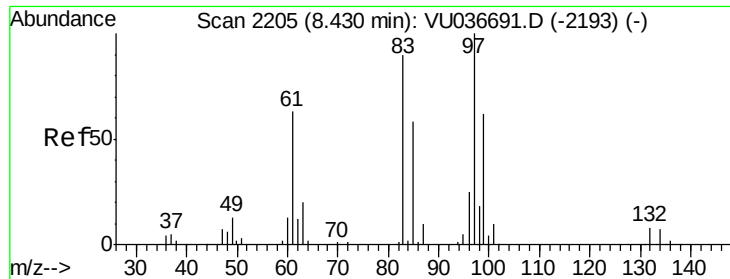
Tgt Ion: 75 Resp: 8666

Ion Ratio Lower Upper

75 100

77 32.7 22.6 42.0

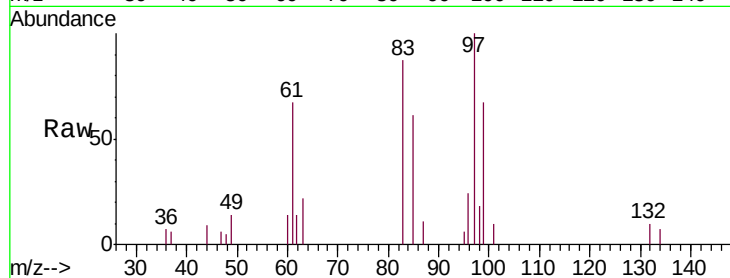




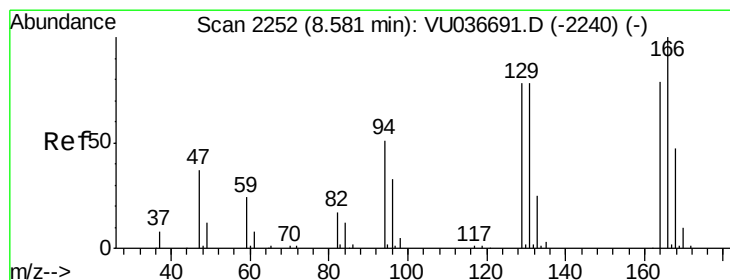
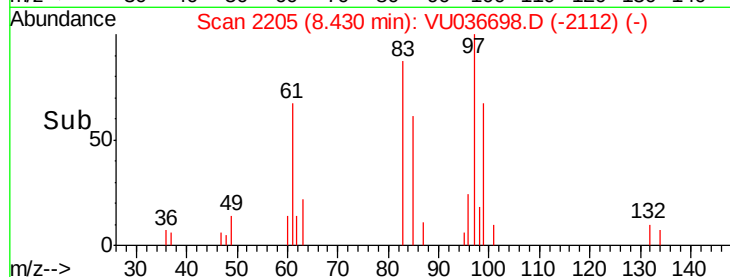
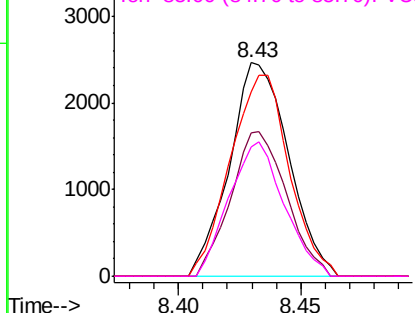
#45
 1,1,2-Trichloroethane
 Concen: 2.261 ug/L
 RT: 8.43 min Scan# 2205
 Delta R.T. -0.00 min
 Lab File: VU036698.D
 Acq: 07 Feb 2020 13:13

Instrument :
 MSVOA_U
 ClientSampleId :
 MDL01

Tgt Ion:	97	Resp:	4145
Ion	Ratio	Lower	Upper
97	100		
99	67.2	42.6	79.0
83	86.6	61.1	113.5
85	60.7	40.4	75.0

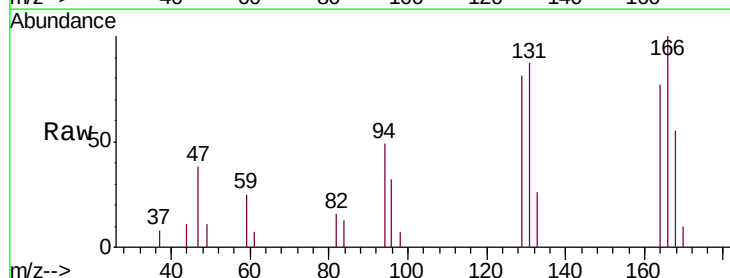


Abundance Ion 97.00 (96.70 to 97.70): VU036698.D (-2193) (-)
 Ion 99.00 (98.70 to 99.70): VU036698.D (-2193) (-)
 Ion 83.00 (82.70 to 83.70): VU036698.D (-2193) (-)
 Ion 85.00 (84.70 to 85.70): VU036698.D (-2193) (-)

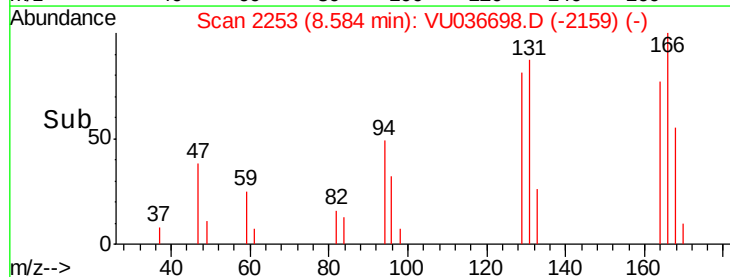
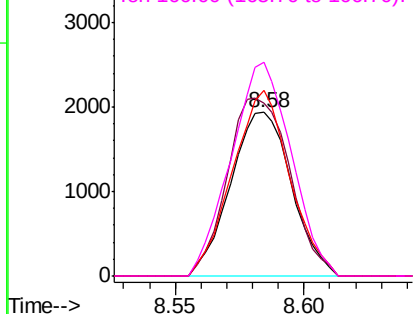


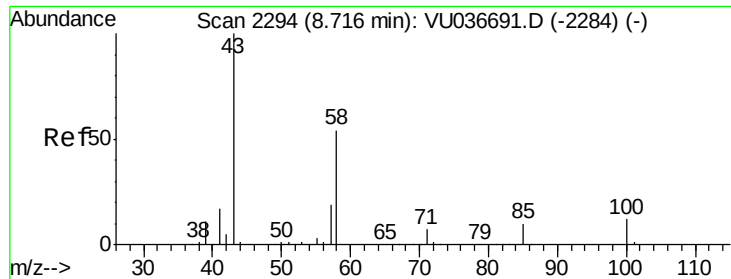
#46
 Tetrachloroethene
 Concen: 2.473 ug/L
 RT: 8.58 min Scan# 2253
 Delta R.T. 0.00 min
 Lab File: VU036698.D
 Acq: 07 Feb 2020 13:13

Tgt Ion:	164	Resp:	3198
Ion	Ratio	Lower	Upper
164	100		
129	105.3	71.0	131.9
131	113.4	66.6	123.6
166	130.4	86.4	160.4



Abundance Ion 164.00 (163.70 to 164.70): VU036698.D (-2159) (-)
 Ion 129.00 (128.70 to 129.70): VU036698.D (-2159) (-)
 Ion 131.00 (130.70 to 131.70): VU036698.D (-2159) (-)
 Ion 166.00 (165.70 to 166.70): VU036698.D (-2159) (-)

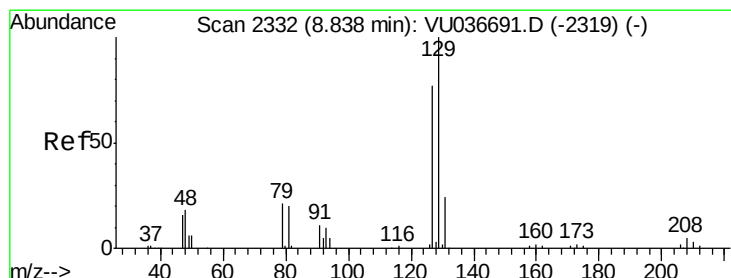
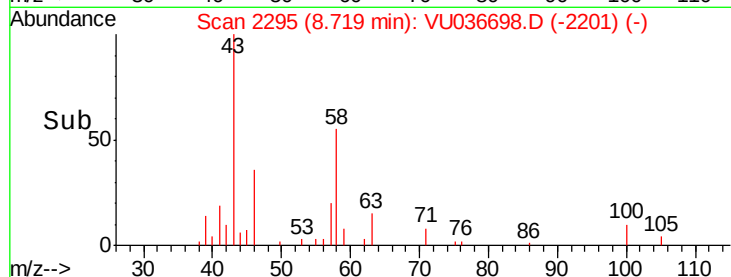
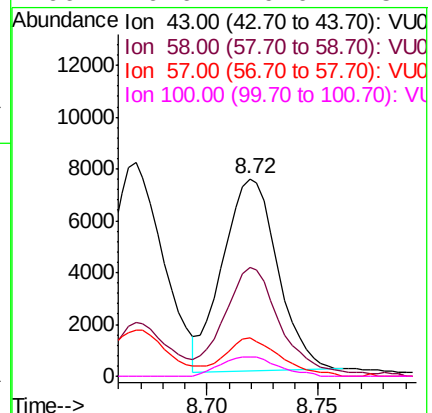
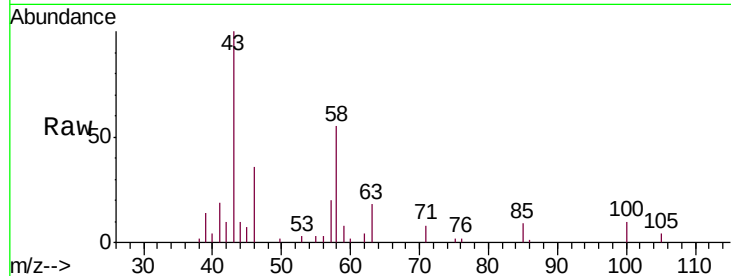




#48
2-Hexanone
Concen: 4.966 ug/L
RT: 8.72 min Scan# 2295
Delta R.T. 0.00 min
Lab File: VU036698.D
Acq: 07 Feb 2020 13:13

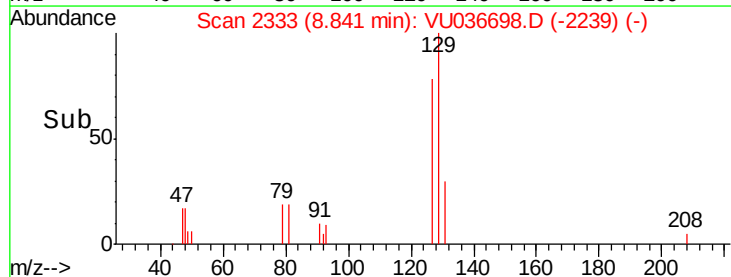
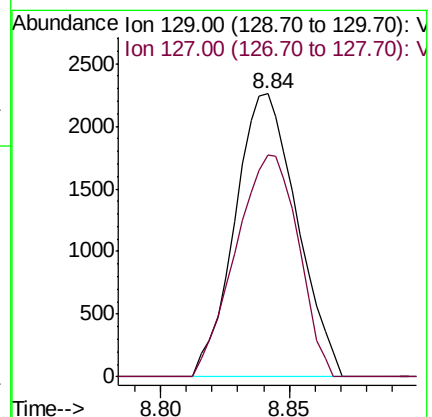
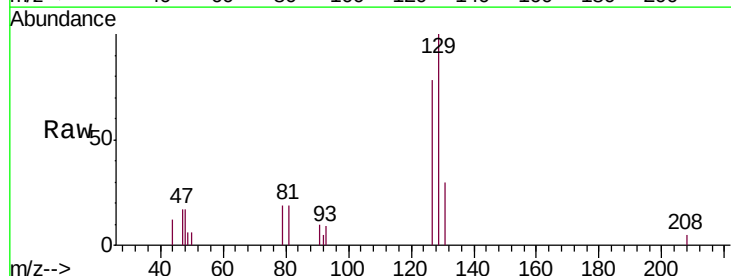
Instrument :
MSVOA_U
ClientSampleId :
MDL01

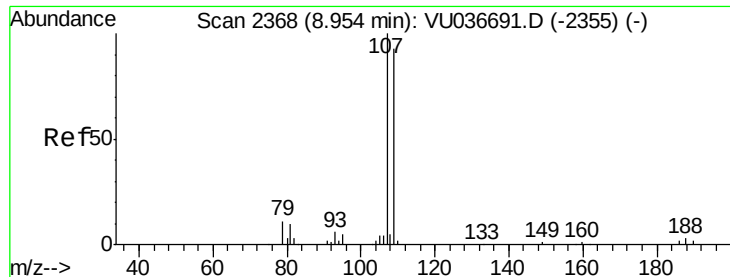
Tgt Ion: 43 Resp: 12863
Ion Ratio Lower Upper
43 100
58 55.2 43.6 65.4
57 20.2 15.5 23.3
100 10.6 9.0 13.4



#49
Dibromochloromethane
Concen: 2.116 ug/L
RT: 8.84 min Scan# 2333
Delta R.T. 0.00 min
Lab File: VU036698.D
Acq: 07 Feb 2020 13:13

Tgt Ion: 129 Resp: 3795
Ion Ratio Lower Upper
129 100
127 78.3 53.6 99.6

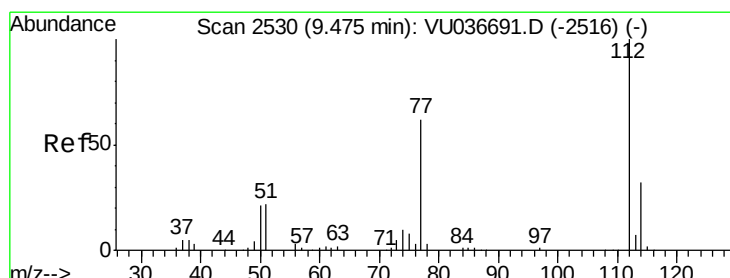
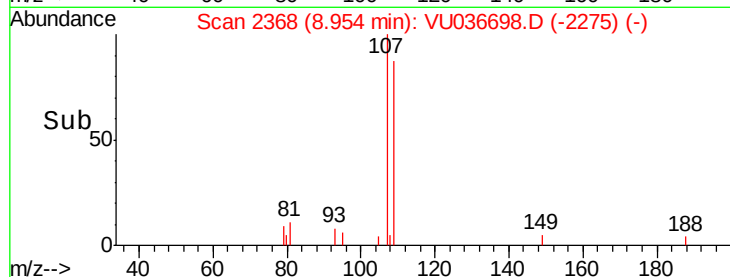
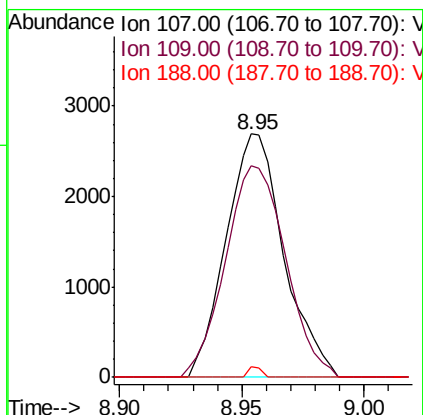
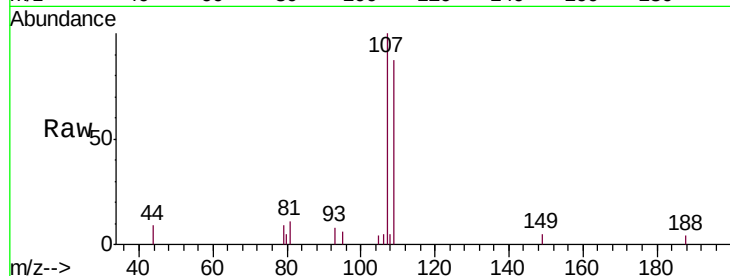




#50
1,2-Dibromoethane
Concen: 2.297 ug/L
RT: 8.95 min Scan# 2368
Delta R.T. -0.00 min
Lab File: VU036698.D
Acq: 07 Feb 2020 13:13

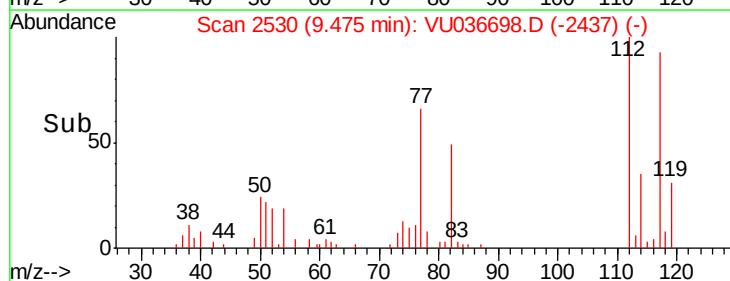
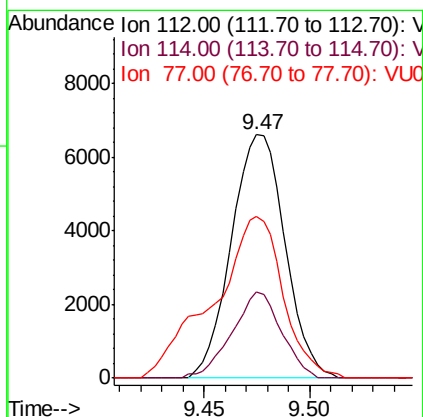
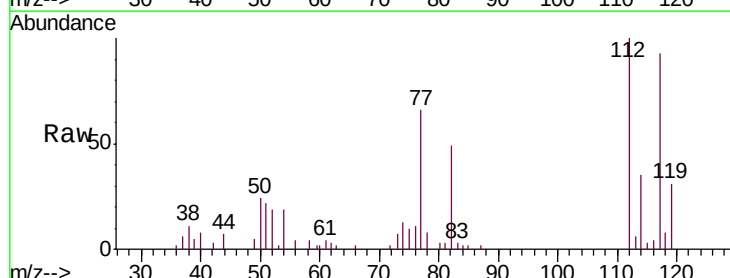
Instrument :
MSVOA_U
ClientSampleId :
MDL01

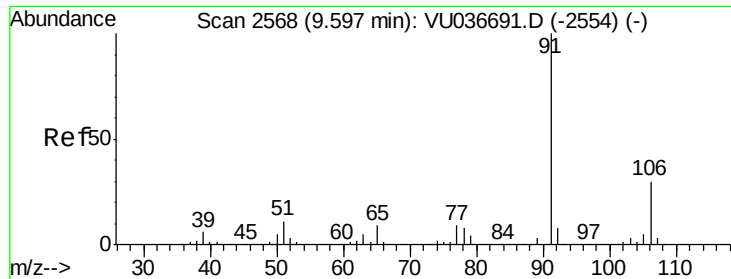
Tgt Ion:107 Resp: 4424
Ion Ratio Lower Upper
107 100
109 86.9 65.8 122.2
188 4.3 2.5 3.7#



#51
Chlorobenzene
Concen: 2.407 ug/L
RT: 9.47 min Scan# 2530
Delta R.T. -0.00 min
Lab File: VU036698.D
Acq: 07 Feb 2020 13:13

Tgt Ion:112 Resp: 11672
Ion Ratio Lower Upper
112 100
114 35.3 22.7 42.1
77 66.2 50.6 75.8





#52

Ethylbenzene

Concen: 2.297 ug/L

RT: 9.60 min Scan# 2568

Delta R.T. -0.00 min

Lab File: VU036698.D

Acq: 07 Feb 2020 13:13

Instrument :

MSVOA_U

ClientSampleId :

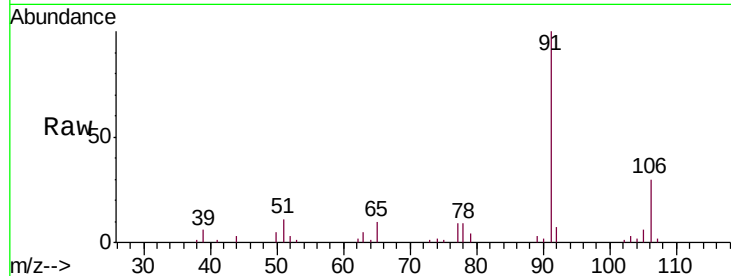
MDL01

Tgt Ion: 91 Resp: 20329

Ion Ratio Lower Upper

91 100

106 30.0 21.3 39.6



Abundance Ion 91.00 (90.70 to 91.70): VU036698.D (-2554) (-)

Ion 106.00 (105.70 to 106.70): VU036698.D (-2554) (-)

9.60

15000

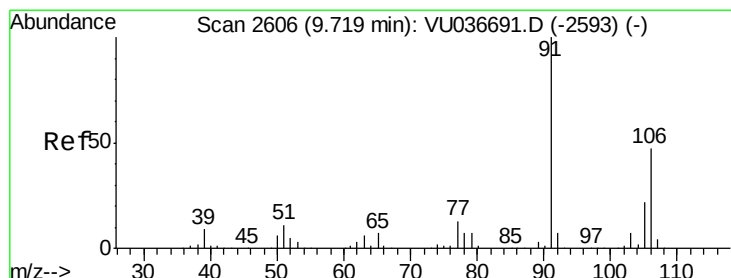
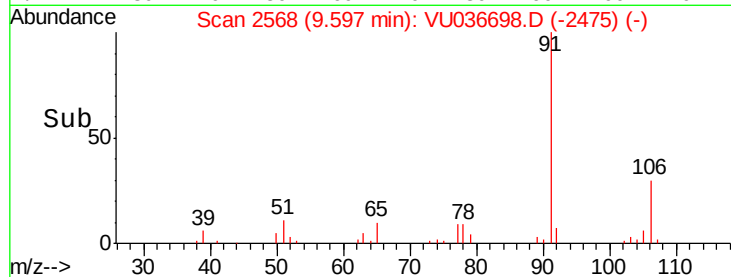
10000

5000

0

9.55 9.60 9.65

Time-->



#53

m,p-Xylene

Concen: 2.257 ug/L

RT: 9.72 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VU036698.D

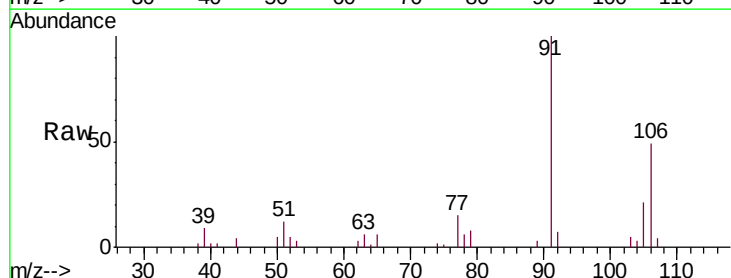
Acq: 07 Feb 2020 13:13

Tgt Ion: 106 Resp: 7369

Ion Ratio Lower Upper

106 100

91 202.9 145.9 270.9



Abundance Ion 106.00 (105.70 to 106.70): VU036698.D (-2593) (-)

Ion 91.00 (90.70 to 91.70): VU036698.D (-2593) (-)

9.72

10000

8000

6000

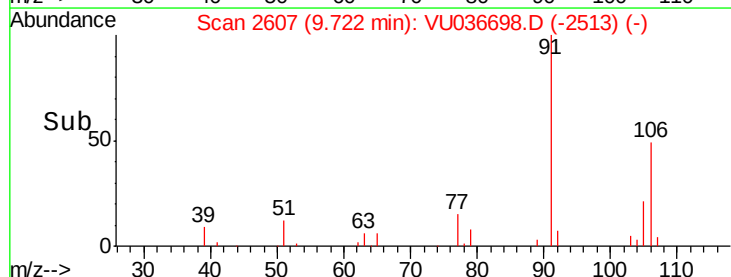
4000

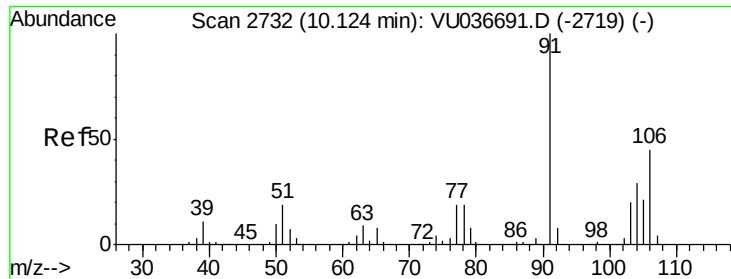
2000

0

9.70 9.75

Time-->





#54

o-xylene

Concen: 2.176 ug/L

RT: 10.13 min Scan# 2733

Delta R.T. 0.00 min

Lab File: VU036698.D

Acq: 07 Feb 2020 13:13

Instrument :

MSVOA_U

ClientSampled :

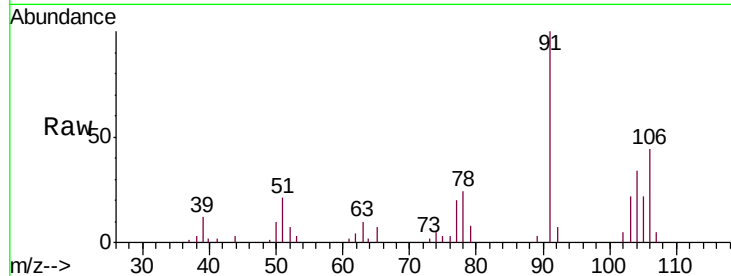
MDL01

Tgt Ion:106 Resp: 7037

Ion Ratio Lower Upper

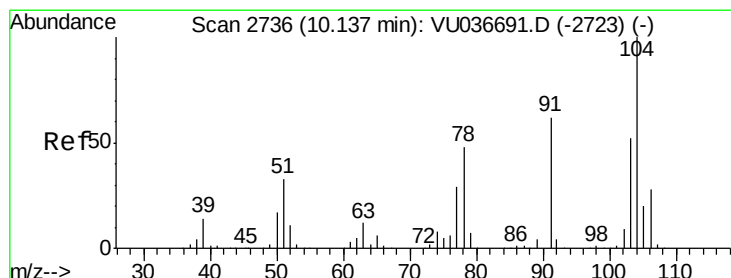
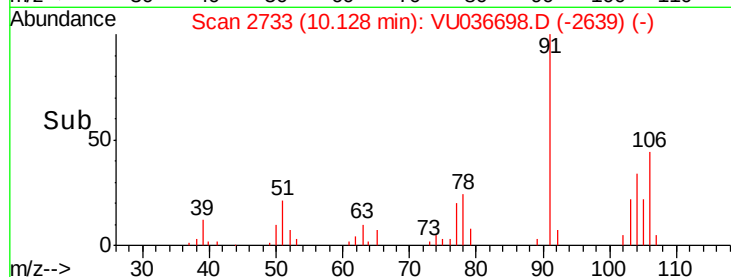
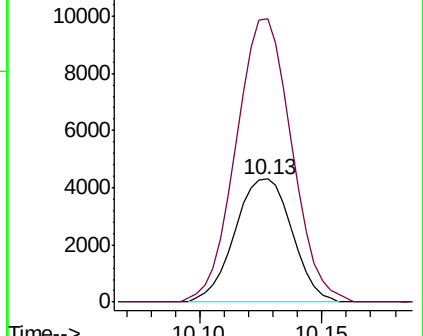
106 100

91 229.7 156.0 289.6



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0



#55

Styrene

Concen: 2.070 ug/L

RT: 10.14 min Scan# 2737

Delta R.T. 0.00 min

Lab File: VU036698.D

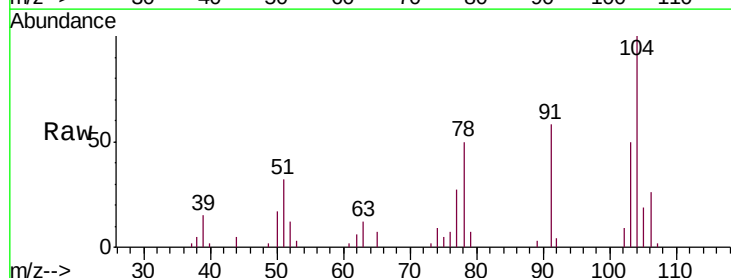
Acq: 07 Feb 2020 13:13

Tgt Ion:104 Resp: 11157

Ion Ratio Lower Upper

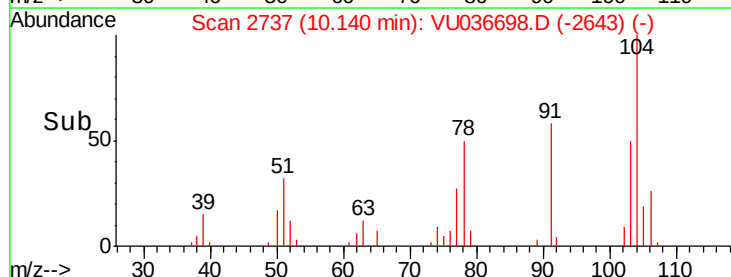
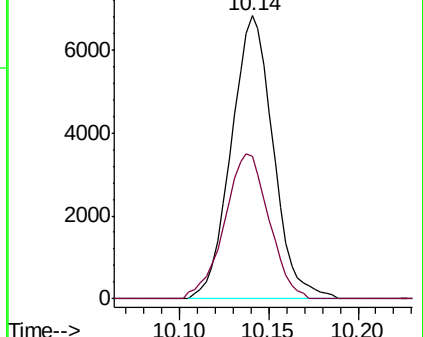
104 100

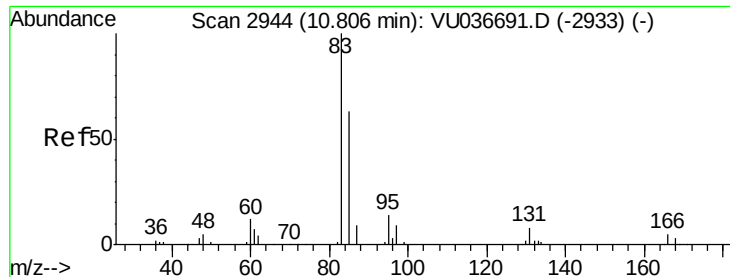
78 50.2 33.7 62.7



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VU0

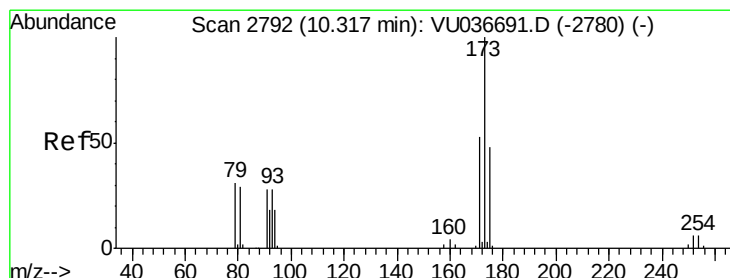
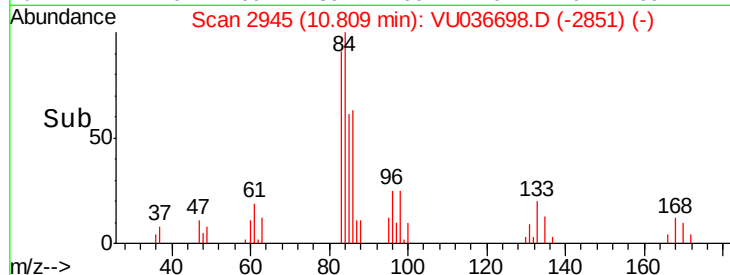
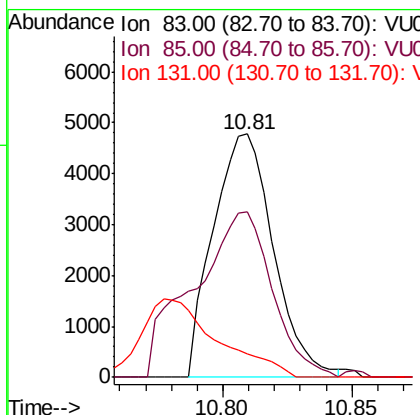
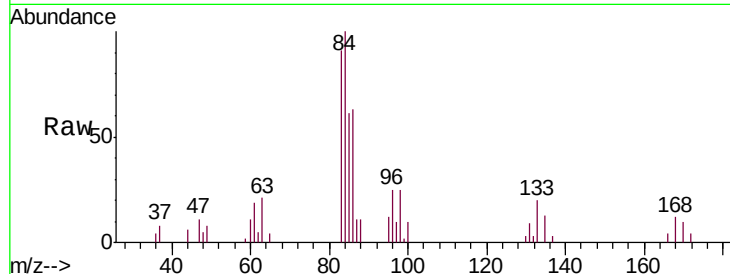




#57
 1,1,2,2-Tetrachloroethane
 Concen: 2.348 ug/L
 RT: 10.81 min Scan# 2945
 Delta R.T. 0.00 min
 Lab File: VU036698.D
 Acq: 07 Feb 2020 13:13

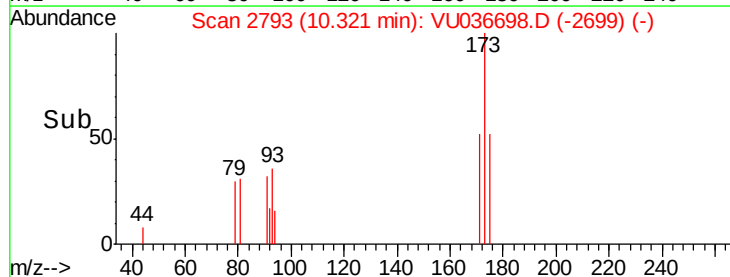
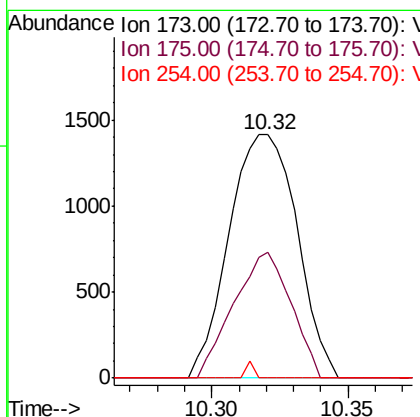
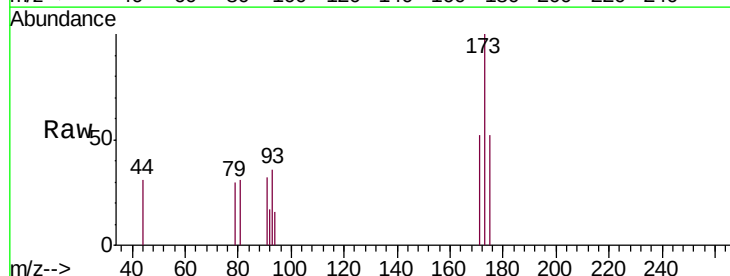
Instrument :
 MSVOA_U
 ClientSampleId :
 MDL01

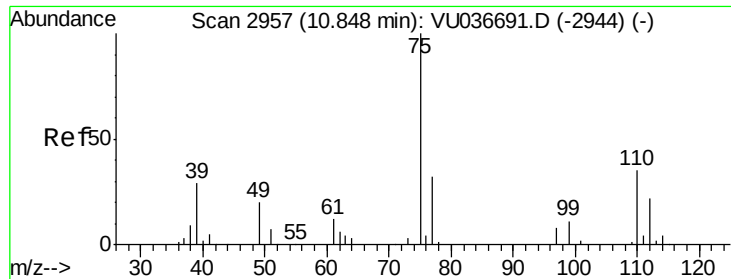
Tgt Ion: 83 Resp: 7758
 Ion Ratio Lower Upper
 83 100
 85 67.8 44.7 82.9
 131 9.8 6.8 10.2



#59
 Bromoform
 Concen: 2.122 ug/L
 RT: 10.32 min Scan# 2793
 Delta R.T. 0.00 min
 Lab File: VU036698.D
 Acq: 07 Feb 2020 13:13

Tgt Ion: 173 Resp: 2452
 Ion Ratio Lower Upper
 173 100
 175 43.6 38.2 57.4
 254 0.0 4.8 7.2#

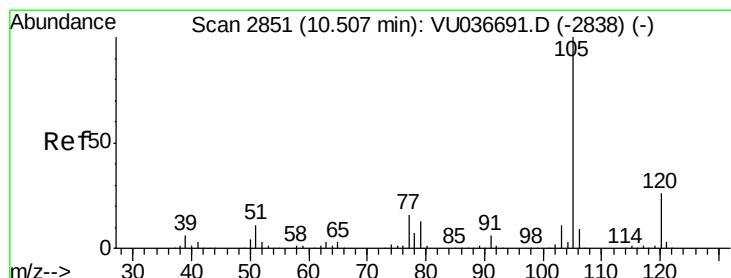
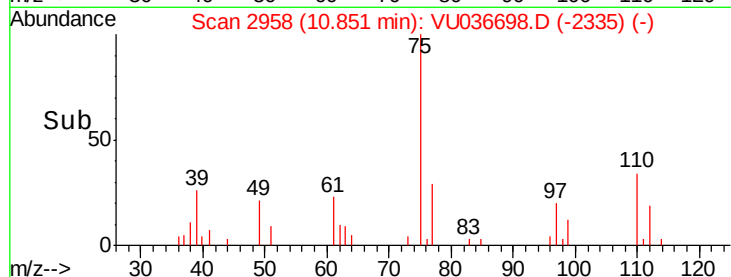
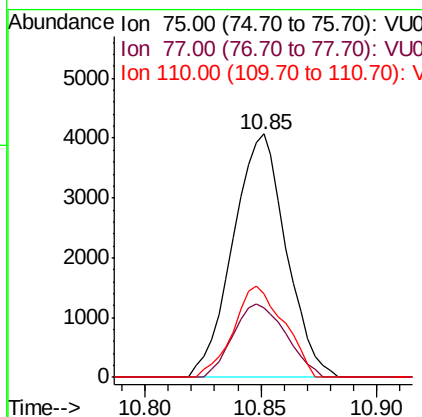
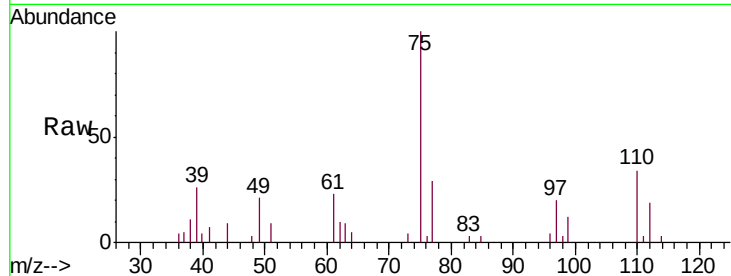




#60
1,2,3-Trichloropropane
Concen: 2.636 ug/L
RT: 10.85 min Scan# 2958
Delta R.T. 0.00 min
Lab File: VU036698.D
Acq: 07 Feb 2020 13:13

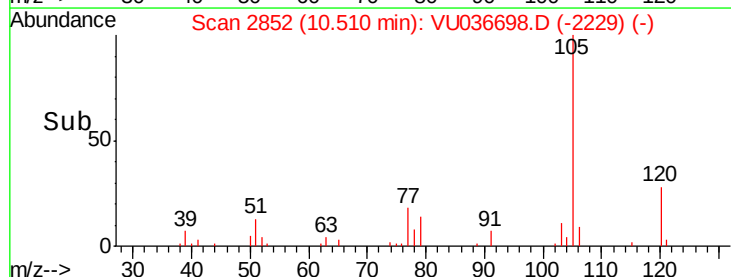
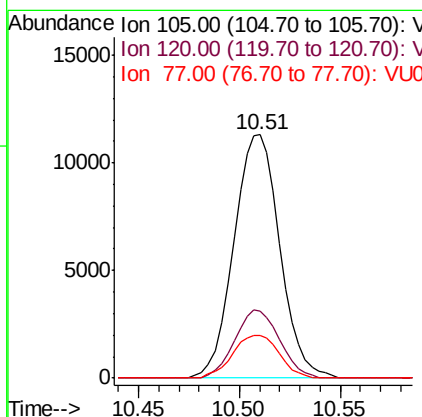
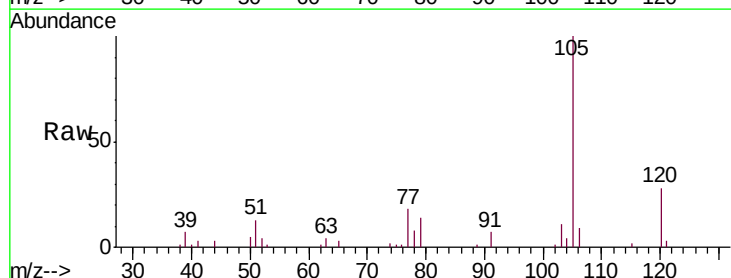
Instrument :
MSVOA_U
ClientSampled :
MDL01

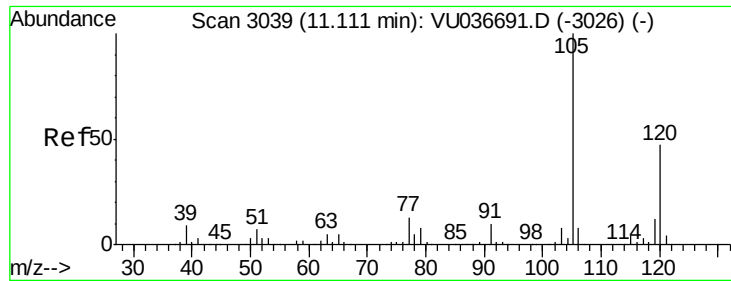
Tgt Ion: 75 Resp: 6484
Ion Ratio Lower Upper
75 100
77 30.1 26.1 39.1
110 35.6 26.9 40.3



#61
Isopropylbenzene
Concen: 2.313 ug/L
RT: 10.51 min Scan# 2852
Delta R.T. 0.00 min
Lab File: VU036698.D
Acq: 07 Feb 2020 13:13

Tgt Ion: 105 Resp: 18009
Ion Ratio Lower Upper
105 100
120 27.2 20.2 30.4
77 17.8 13.0 19.6

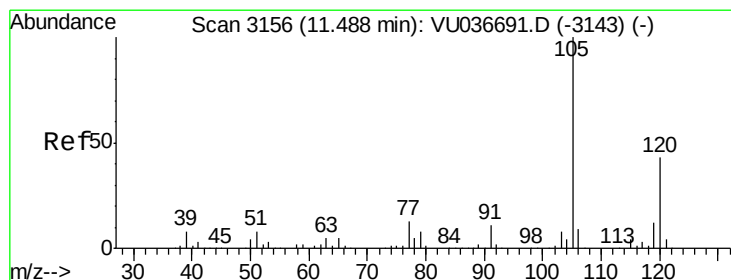
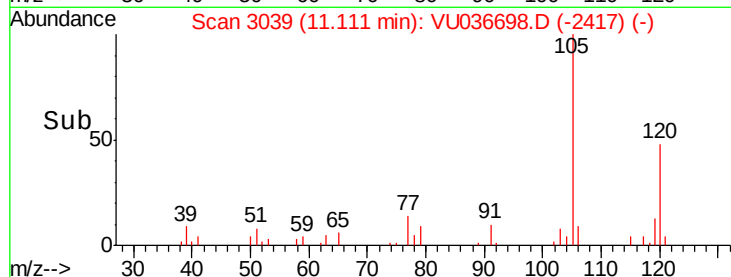
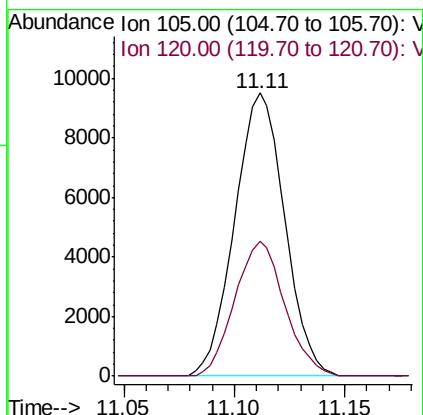
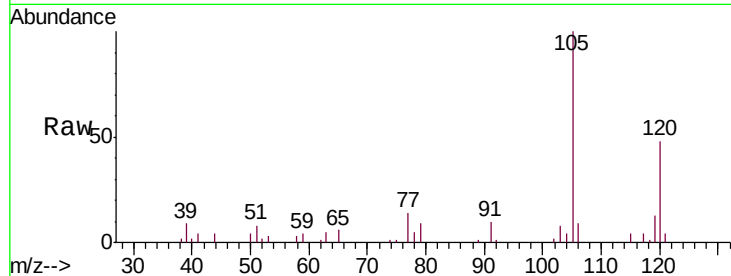




#62
 1,3,5-Trimethylbenzene
 Concen: 2.250 ug/L
 RT: 11.11 min Scan# 3039
 Delta R.T. -0.00 min
 Lab File: VU036698.D
 Acq: 07 Feb 2020 13:13

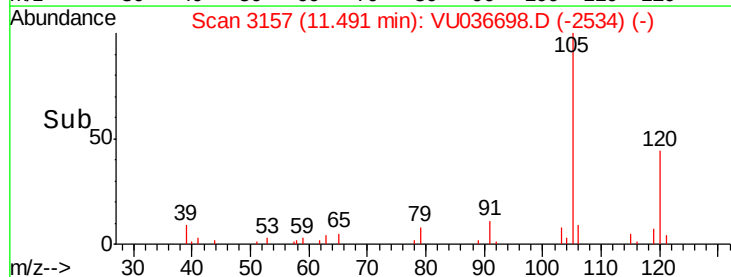
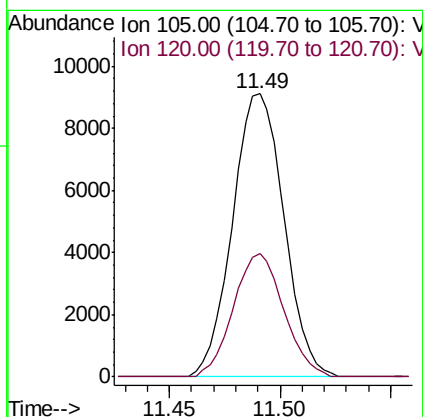
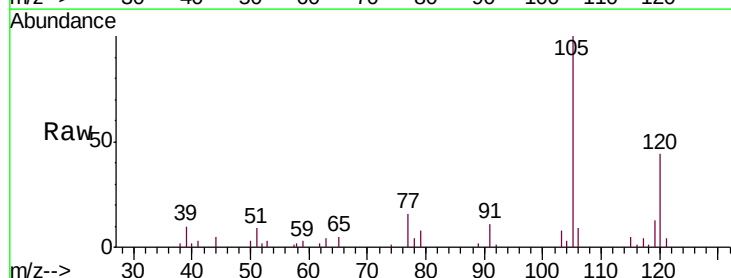
Instrument :
 MSVOA_U
 ClientSampleID :
 MDL01

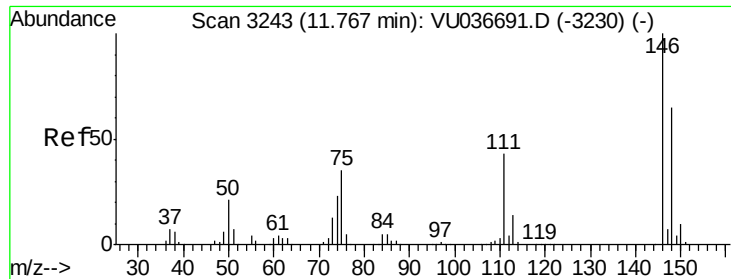
Tgt Ion:105 Resp: 15020
 Ion Ratio Lower Upper
 105 100
 120 47.5 37.1 55.7



#63
 1,2,4-Trimethylbenzene
 Concen: 2.219 ug/L
 RT: 11.49 min Scan# 3157
 Delta R.T. 0.00 min
 Lab File: VU036698.D
 Acq: 07 Feb 2020 13:13

Tgt Ion:105 Resp: 14795
 Ion Ratio Lower Upper
 105 100
 120 42.6 34.7 52.1





#64

1,3-Dichlorobenzene

Concen: 2.357 ug/L

RT: 11.77 min Scan# 3244

Delta R.T. 0.00 min

Lab File: VU036698.D

Acq: 07 Feb 2020 13:13

Instrument :

MSVOA_U

ClientSampleId :

MDL01

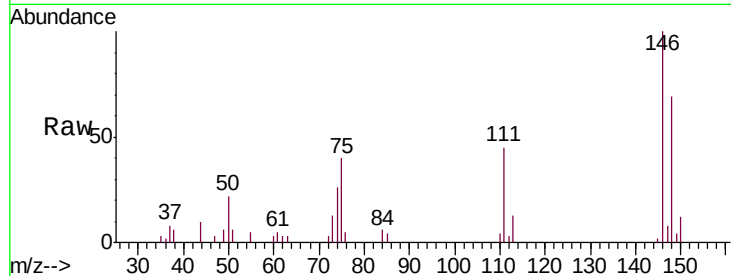
Tgt Ion:146 Resp: 7720

Ion Ratio Lower Upper

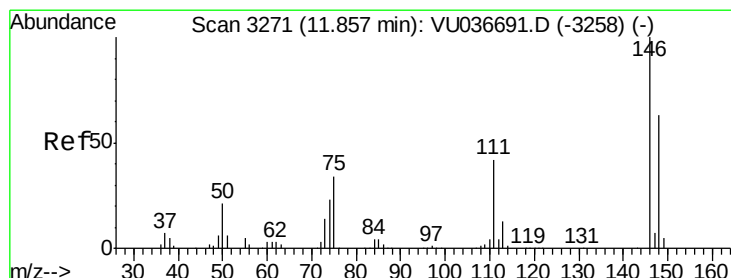
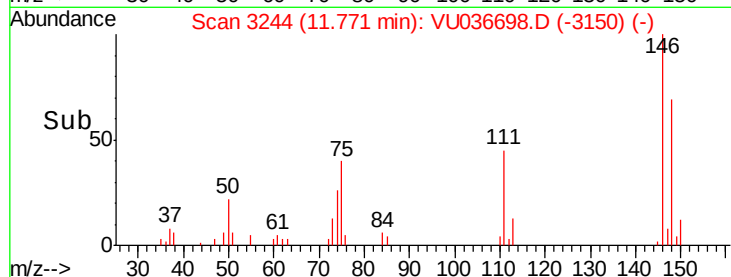
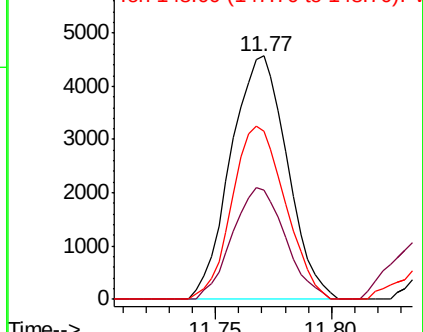
146 100

111 44.9 30.4 56.4

148 69.1 44.5 82.7



Abundance Ion 146.00 (145.70 to 146.70): V
Ion 111.00 (110.70 to 111.70): V
Ion 148.00 (147.70 to 148.70): V



#65

1,4-Dichlorobenzene

Concen: 2.418 ug/L

RT: 11.86 min Scan# 3271

Delta R.T. -0.00 min

Lab File: VU036698.D

Acq: 07 Feb 2020 13:13

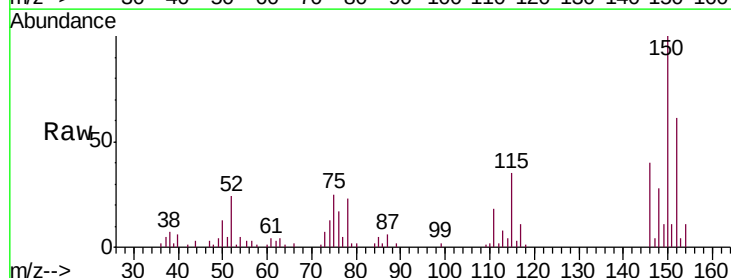
Tgt Ion:146 Resp: 7971

Ion Ratio Lower Upper

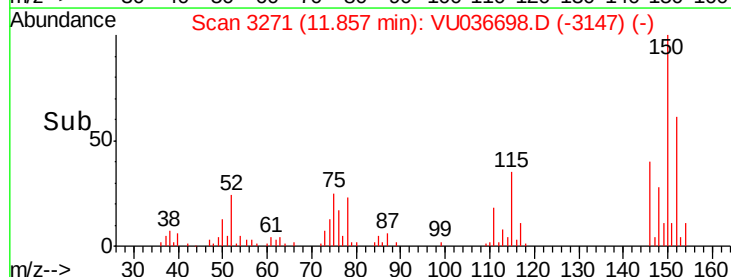
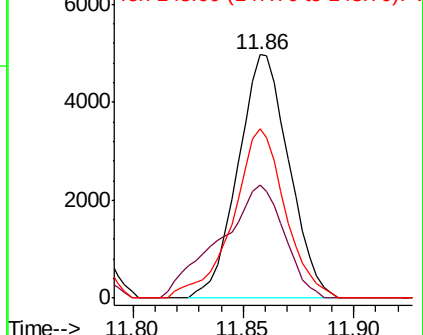
146 100

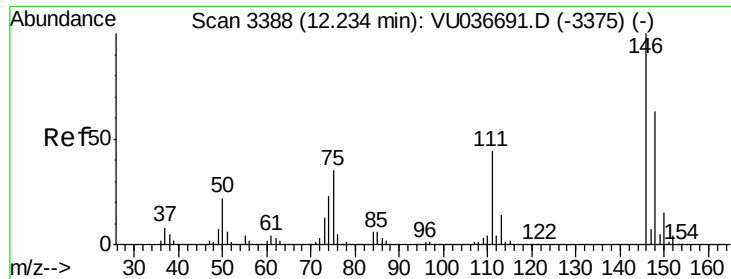
111 46.2 29.3 54.3

148 69.6 44.8 83.2



Abundance Ion 146.00 (145.70 to 146.70): V
Ion 111.00 (110.70 to 111.70): V
Ion 148.00 (147.70 to 148.70): V

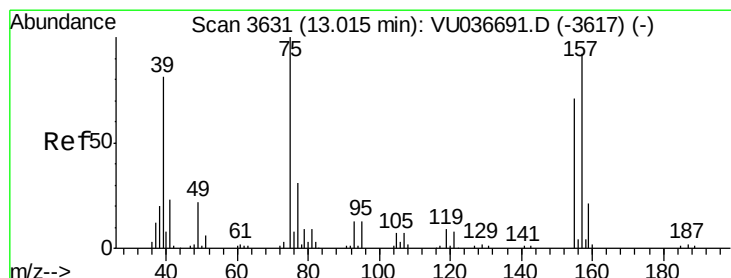
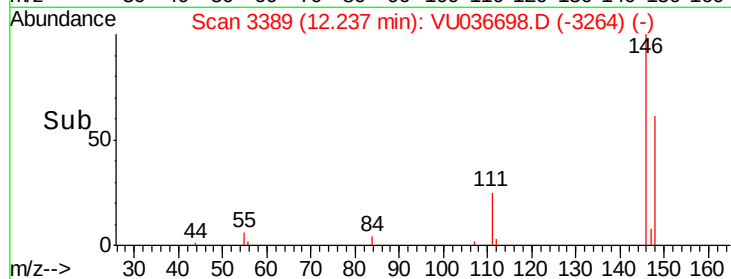
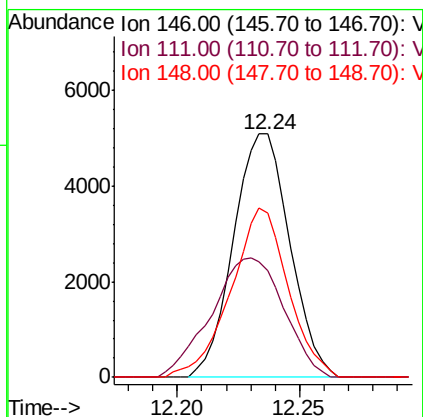
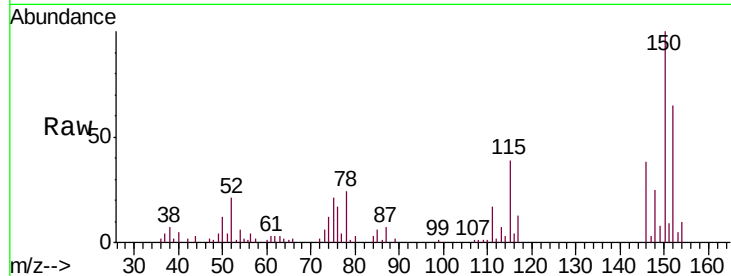




#67
 1,2-Dichlorobenzene
 Concen: 2.459 ug/L
 RT: 12.24 min Scan# 3389
 Delta R.T. 0.00 min
 Lab File: VU036698.D
 Acq: 07 Feb 2020 13:13

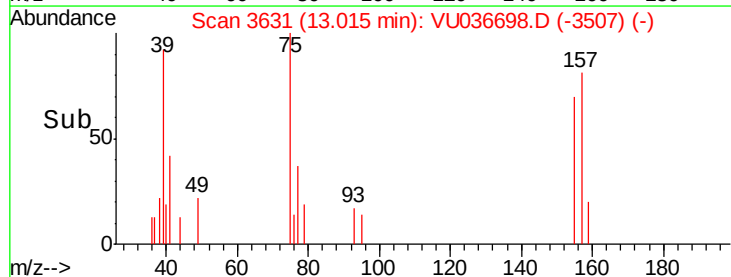
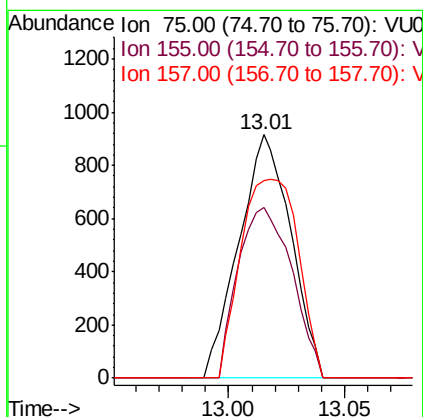
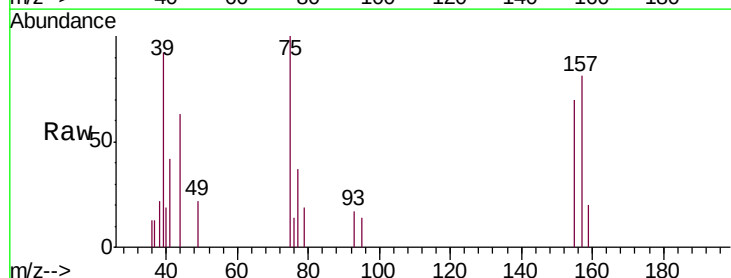
Instrument :
 MSVOA_U
 ClientSampleId :
 MDL01

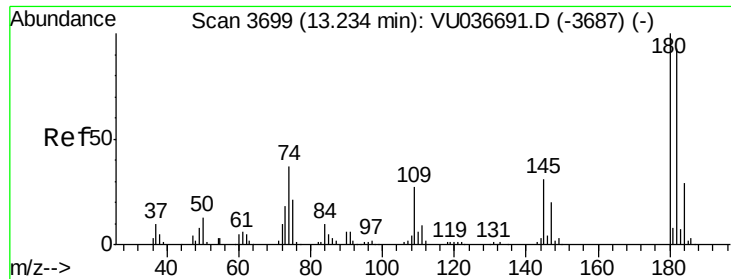
Tgt Ion: 146 Resp: 8154
 Ion Ratio Lower Upper
 146 100
 111 43.9 35.4 53.0
 148 67.4 50.4 75.6



#68
 1,2-Dibromo-3-chloropropane
 Concen: 2.027 ug/L
 RT: 13.01 min Scan# 3631
 Delta R.T. -0.00 min
 Lab File: VU036698.D
 Acq: 07 Feb 2020 13:13

Tgt Ion: 75 Resp: 1425
 Ion Ratio Lower Upper
 75 100
 155 70.1 58.7 88.1
 157 80.9 77.8 116.6

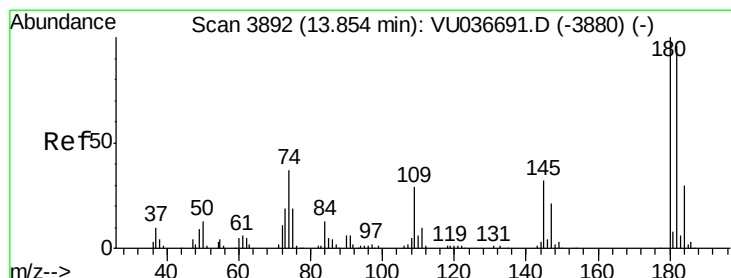
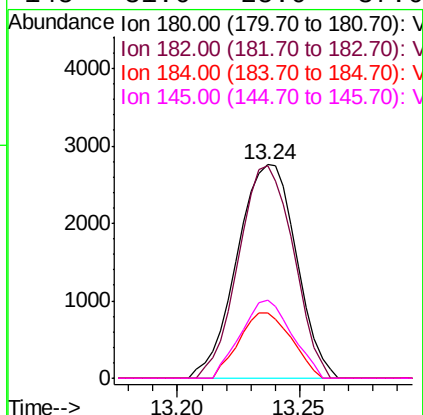
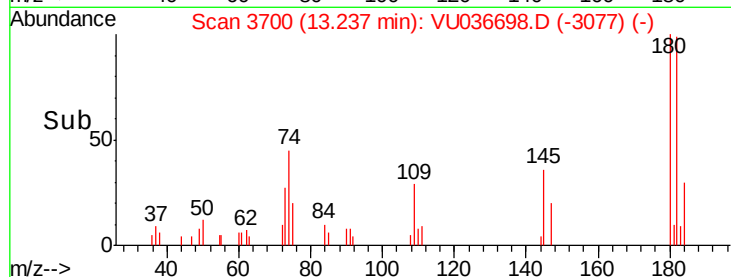
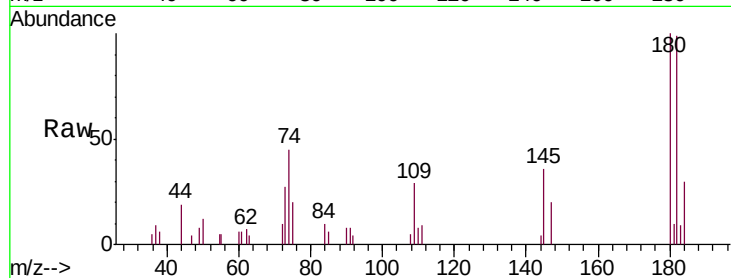




#69
 1,3,5-Trichlorobenzene
 Concen: 2.042 ug/L
 RT: 13.24 min Scan# 3700
 Delta R.T. 0.00 min
 Lab File: VU036698.D
 Acq: 07 Feb 2020 13:13

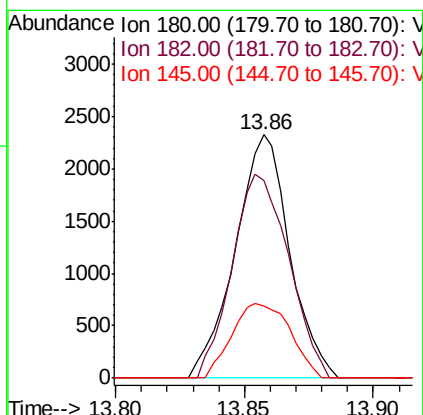
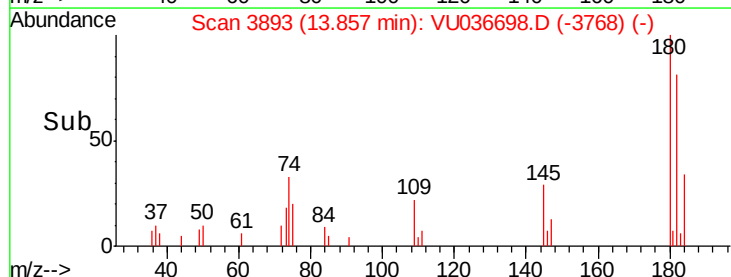
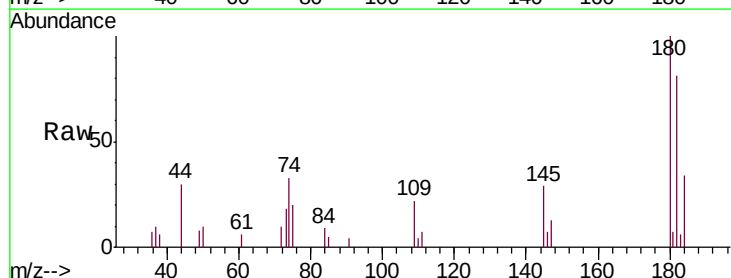
Instrument :
 MSVOA_U
 ClientSampleId :
 MDL01

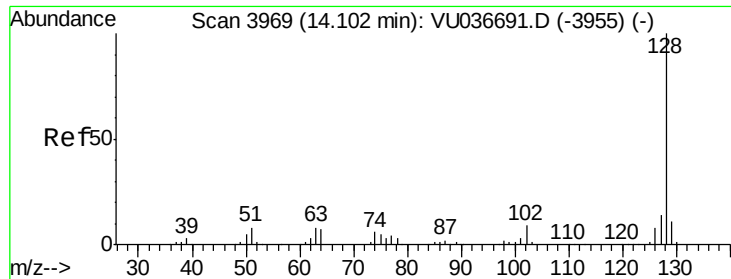
Tgt Ion:180 Resp: 4636
 Ion Ratio Lower Upper
 180 100
 182 92.3 76.2 114.4
 184 27.1 23.8 35.6
 145 31.6 25.0 37.6



#70
 1,2,4-trichlorobenzene
 Concen: 1.801 ug/L
 RT: 13.86 min Scan# 3893
 Delta R.T. 0.00 min
 Lab File: VU036698.D
 Acq: 07 Feb 2020 13:13

Tgt Ion:180 Resp: 3410
 Ion Ratio Lower Upper
 180 100
 182 87.3 76.1 114.1
 145 32.6 25.7 38.5

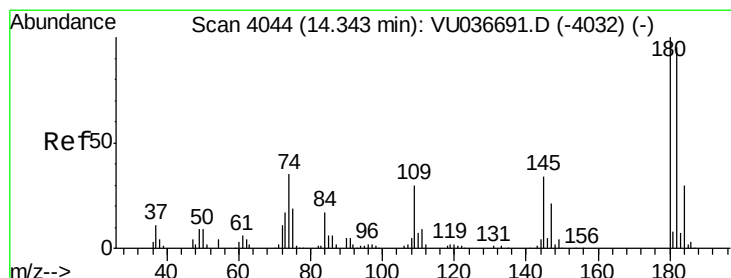
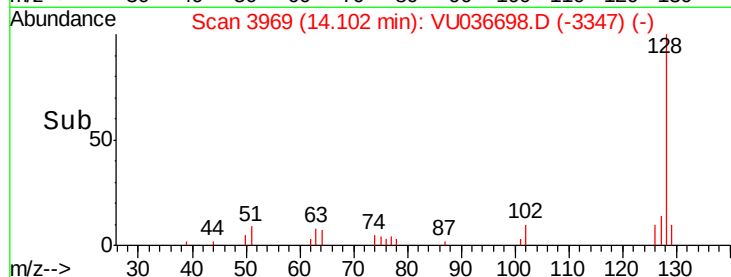
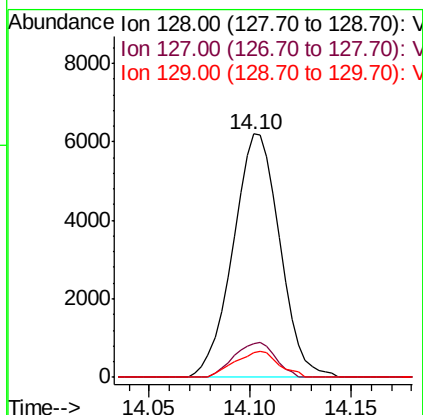
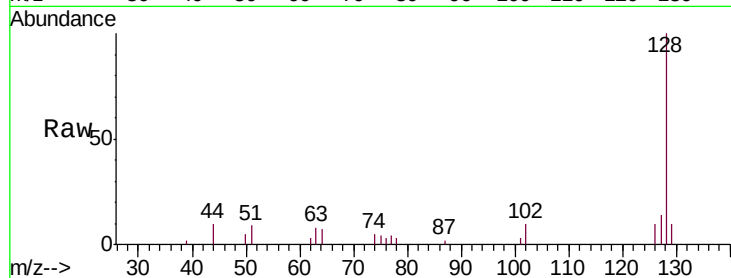




#71
Naphthalene
Concen: 1.510 ug/L
RT: 14.10 min Scan# 3969
Delta R.T. -0.00 min
Lab File: VU036698.D
Acq: 07 Feb 2020 13:13

Instrument :
MSVOA_U
ClientSampleId :
MDL01

Tgt Ion:128 Resp: 10081
Ion Ratio Lower Upper
128 100
127 12.7 10.6 16.0
129 10.0 8.5 12.7



#72
1,2,3-Trichlorobenzene
Concen: 1.768 ug/L
RT: 14.35 min Scan# 4045
Delta R.T. 0.00 min
Lab File: VU036698.D
Acq: 07 Feb 2020 13:13

Tgt Ion:180 Resp: 3336
Ion Ratio Lower Upper
180 100
182 95.2 76.8 115.2
145 34.7 27.5 41.3

