

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU021120\
 Data File : VU036720.D
 Acq On : 11 Feb 2020 12:38
 Operator : JC/MD
 Sample : MDL06
 Misc : 5.0uL/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 MDL06

Quant Time: Feb 12 02:35:09 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SFAMULM020620W.M
 Quant Title : VOC Analysis
 QLast Update : Wed Feb 12 02:32:22 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.29	114	258129	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.45	117	243071	50.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.83	152	100109	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	60577	35.19	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	70.38%
7) Chloroethane-d5	1.93	69	62576	39.20	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	78.40%
11) 1,1-Dichloroethene-d2	2.59	63	93446	28.75	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	57.50%#
21) 2-Butanone-d5	4.68	46	137964	93.94	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	93.94%
24) Chloroform-d	5.11	84	131388	42.17	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	84.34%
26) 1,2-Dichloroethane-d4	5.75	65	96182	45.14	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	90.28%
32) Benzene-d6	5.77	84	281932	44.12	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	88.24%
36) 1,2-Dichloropropane-d6	6.73	67	96545	45.51	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	91.02%
41) Toluene-d8	7.93	98	254452	43.48	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	86.96%
43) trans-1,3-Dichloropropene-	8.21	79	43596	42.92	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	85.84%
47) 2-Hexanone-d5	8.67	63	114245	94.36	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	94.36%
56) 1,1,2,2-Tetrachloroethane-	10.78	84	146789	46.95	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	93.90%
66) 1,2-Dichlorobenzene-d4	12.21	152	86558	47.59	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	95.18%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.39	85	4046	2.269 ug/L	97
3) Chloromethane	1.54	50	5252	2.485 ug/L	96
5) Vinyl chloride	1.62	62	5744	2.524 ug/L #	51
6) Bromomethane	1.87	94	3442	2.412 ug/L	92
8) Chloroethane	1.95	64	4109	2.845 ug/L	88
9) Trichlorofluoromethane	2.16	101	6453	2.386 ug/L	98
10) 1,1,2-Trichloro-1,2,2-trif	2.60	101	4522	2.792 ug/L	89
12) 1,1-Dichloroethene	2.61	96	4437	2.814 ug/L #	1
13) Acetone	2.66	43	9957	6.382 ug/L	98
14) Carbon disulfide	2.82	76	10810	2.294 ug/L	99
15) Methyl Acetate	2.99	43	5441	2.412 ug/L	93
16) Methylene chloride	3.08	84	5341	2.744 ug/L	94
17) trans-1,2-Dichloroethene	3.39	96	3741	2.230 ug/L	93
18) Methyl tert-butyl Ether	3.41	73	13967	2.399 ug/L #	74
19) 1,1-Dichloroethane	3.92	63	8335	2.493 ug/L #	90
20) cis-1,2-Dichloroethene	4.71	96	4571	2.391 ug/L	99
22) 2-Butanone	4.76	43	10043	5.424 ug/L	98

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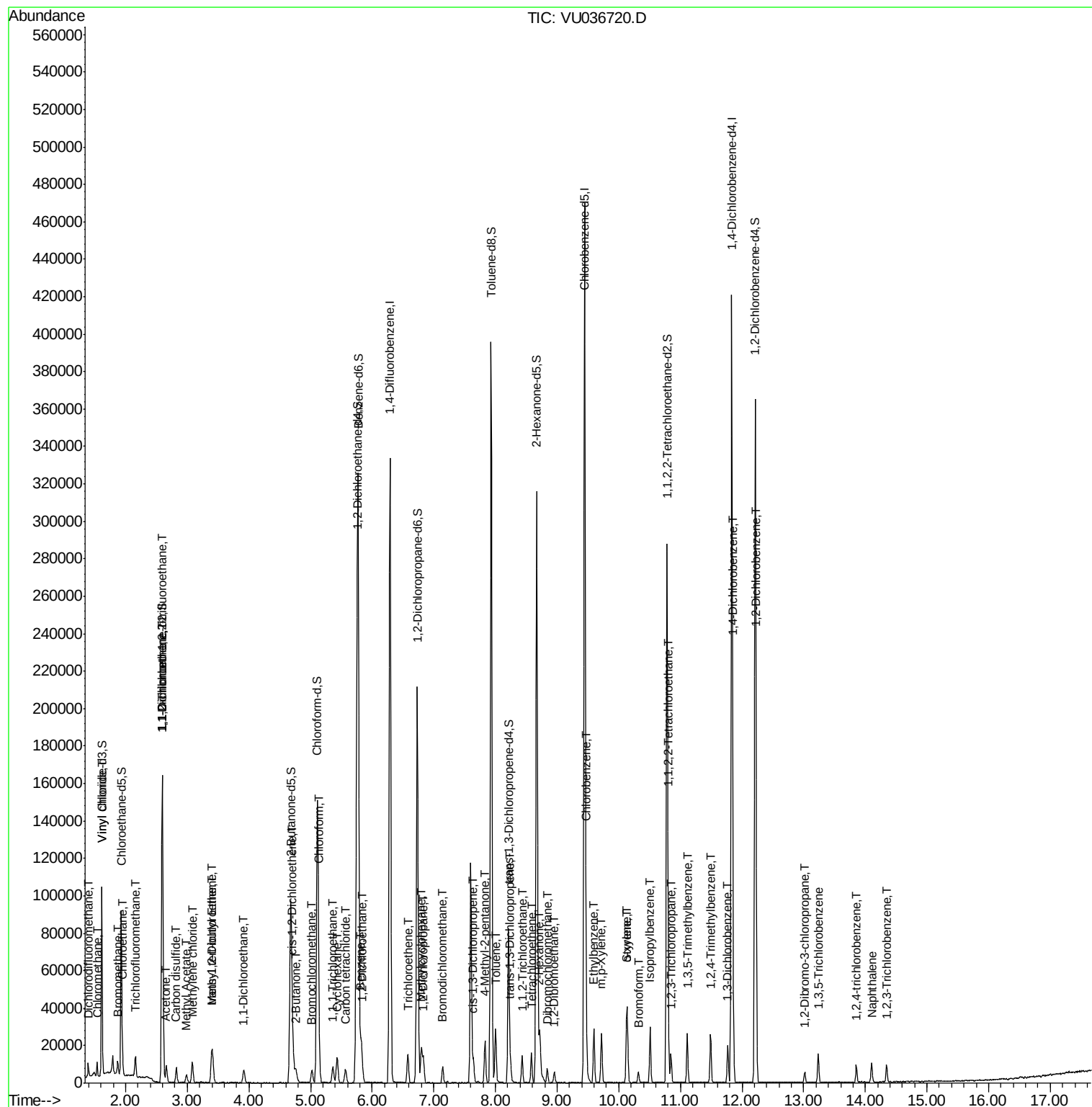
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	5.02	128	2105	2.350	ug/L	87
25) Chloroform	5.14	83	14208	4.370	ug/L	96
27) 1,2-Dichloroethane	5.84	62	6868	2.512	ug/L	99
29) Cyclohexane	5.43	56	7079	2.267	ug/L	99
30) 1,1,1-Trichloroethane	5.36	97	6057	2.346	ug/L	99
31) Carbon tetrachloride	5.57	117	4959	2.372	ug/L	97
33) Benzene	5.82	78	17913	2.436	ug/L	100
34) Trichloroethene	6.58	95	4299	2.365	ug/L	95
35) Methylcyclohexane	6.80	83	7169	2.239	ug/L	98
37) 1,2-Dichloropropane	6.83	63	4866	2.454	ug/L #	88
38) Bromodichloromethane	7.14	83	5805	2.410	ug/L	94
39) cis-1,3-Dichloropropene	7.65	75	7231	2.283	ug/L	97
40) 4-Methyl-2-pentanone	7.83	43	14224	4.541	ug/L	97
42) Toluene	8.00	91	19896	2.504	ug/L	97
44) trans-1,3-Dichloropropene	8.24	75	6121	2.212	ug/L	98
45) 1,1,2-Trichloroethane	8.43	97	4148	2.293	ug/L	94
46) Tetrachloroethene	8.58	164	3268	2.562	ug/L	97
48) 2-Hexanone	8.72	43	13308	5.208	ug/L	98
49) Dibromochloromethane	8.84	129	3987	2.254	ug/L	95
50) 1,2-Dibromoethane	8.95	107	4350	2.289	ug/L #	86
51) Chlorobenzene	9.47	112	11553	2.415	ug/L	97
52) Ethylbenzene	9.60	91	20263	2.321	ug/L	96
53) m,p-Xylene	9.72	106	7441	2.311	ug/L	90
54) o-xylene	10.13	106	7303	2.289	ug/L	92
55) Styrene	10.14	104	11235	2.113	ug/L	95
57) 1,1,2,2-Tetrachloroethane	10.81	83	7939	2.436	ug/L #	93
59) Bromoform	10.32	173	2527	2.285	ug/L #	89
60) 1,2,3-Trichloropropane	10.85	75	6166	2.618	ug/L	97
61) Isopropylbenzene	10.51	105	18165	2.437	ug/L	97
62) 1,3,5-Trimethylbenzene	11.11	105	15554	2.434	ug/L	97
63) 1,2,4-Trimethylbenzene	11.49	105	14908	2.336	ug/L	99
64) 1,3-Dichlorobenzene	11.77	146	7728	2.465	ug/L	99
65) 1,4-Dichlorobenzene	11.86	146	8047	2.550	ug/L	98
67) 1,2-Dichlorobenzene	12.24	146	8028	2.529	ug/L	91
68) 1,2-Dibromo-3-chloropropan	13.01	75	1464	2.175	ug/L	91
69) 1,3,5-Trichlorobenzene	13.24	180	4490	2.066	ug/L	96
70) 1,2,4-trichlorobenzene	13.86	180	2896	1.598	ug/L	94
71) Naphthalene	14.10	128	8570	1.341	ug/L	98
72) 1,2,3-Trichlorobenzene	14.35	180	2793	1.547	ug/L	95

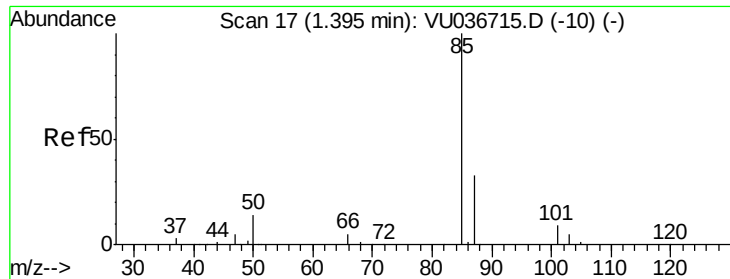
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 2.269 ug/L

RT: 1.39 min Scan# 17

Delta R.T. 0.00 min

Lab File: VU036720.D

Acq: 11 Feb 2020 12:38

Instrument :

MSVOA_U

ClientSampleId :

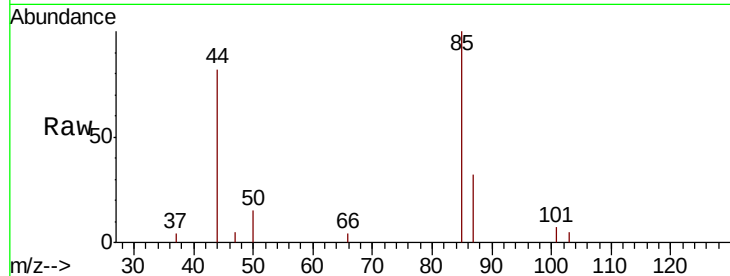
MDL06

Tot Ion: 85 Resp: 4046

Ion Ratio Lower Upper

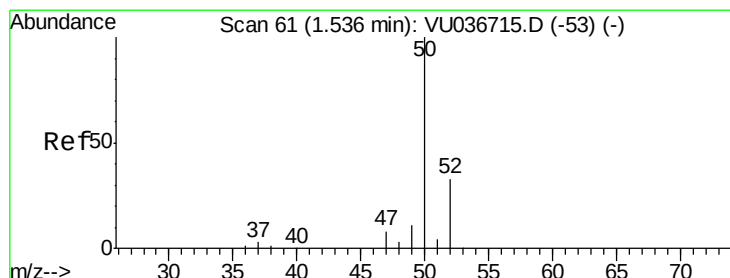
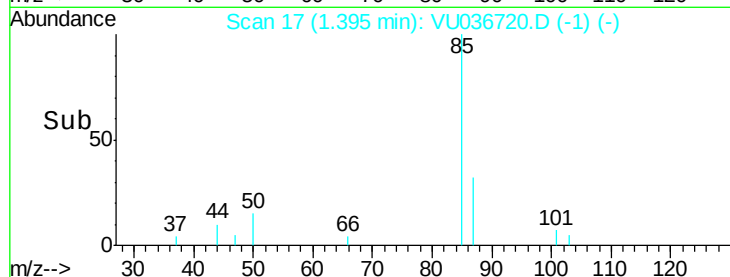
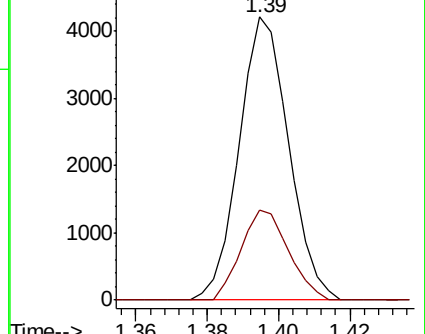
85 100

87 30.4 25.9 38.9



Abundance Ion 85.00 (84.70 to 85.70): VU036720.D (-1) (-)

Ion 87.00 (86.70 to 87.70): VU036720.D (-1) (-)



#3

Chloromethane

Concen: 2.485 ug/L

RT: 1.54 min Scan# 62

Delta R.T. 0.00 min

Lab File: VU036720.D

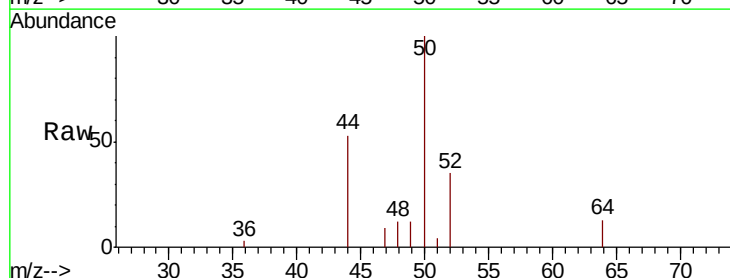
Acq: 11 Feb 2020 12:38

Tgt Ion: 50 Resp: 5252

Ion Ratio Lower Upper

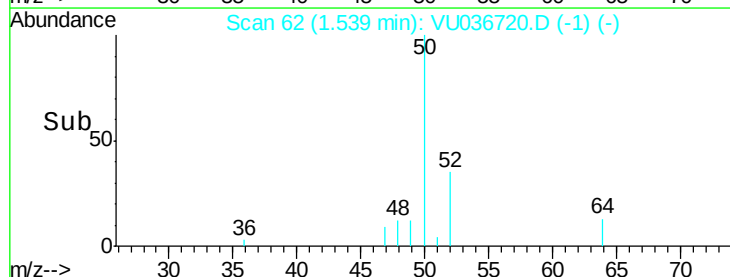
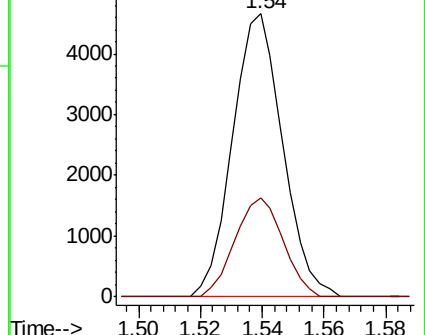
50 100

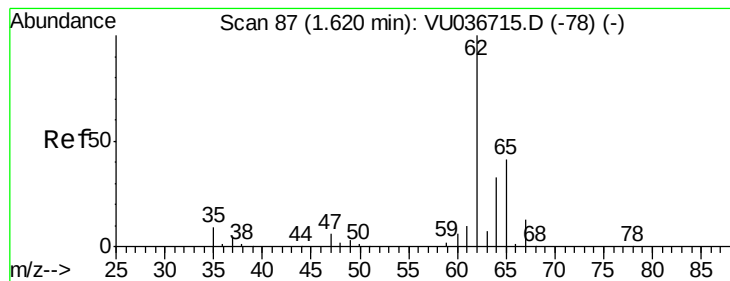
52 35.0 22.9 42.5



Abundance Ion 50.00 (49.70 to 50.70): VU036720.D (-1) (-)

Ion 52.00 (51.70 to 52.70): VU036720.D (-1) (-)





#5

Vinyl chloride

Concen: 2.524 ug/L

RT: 1.62 min Scan# 87

Delta R.T. 0.00 min

Lab File: VU036720.D

Acq: 11 Feb 2020 12:38

Instrument :

MSVOA_U

ClientSampleId :

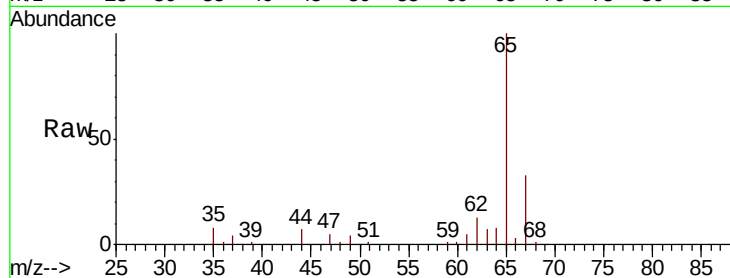
MDL06

Tot Ion: 62 Resp: 5744

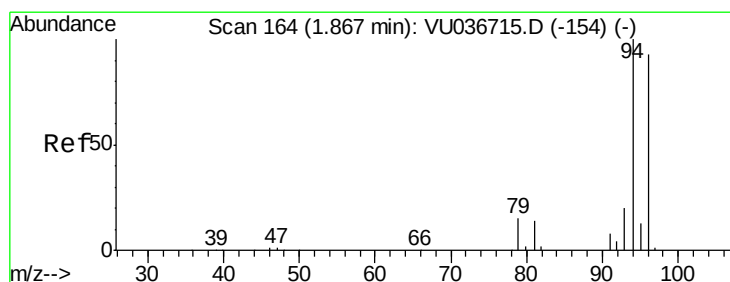
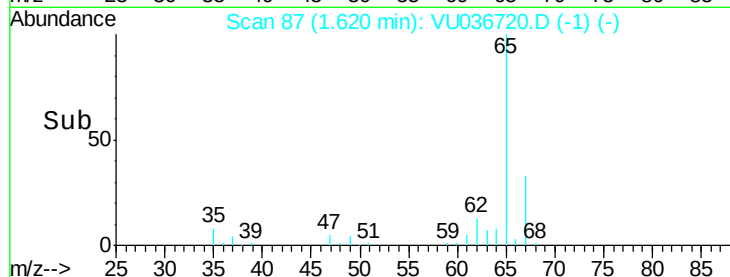
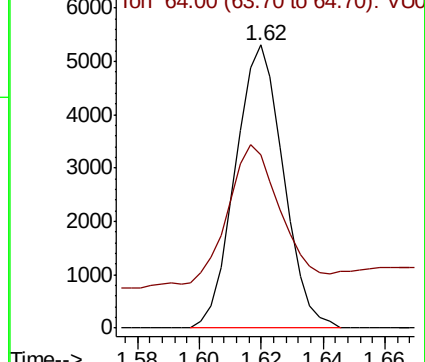
Ion Ratio Lower Upper

62 100

64 61.1 23.4 43.6#



Abundance Ion 62.00 (61.70 to 62.70): VU036720.D (-1) (-)



#6

Bromomethane

Concen: 2.412 ug/L

RT: 1.87 min Scan# 166

Delta R.T. 0.01 min

Lab File: VU036720.D

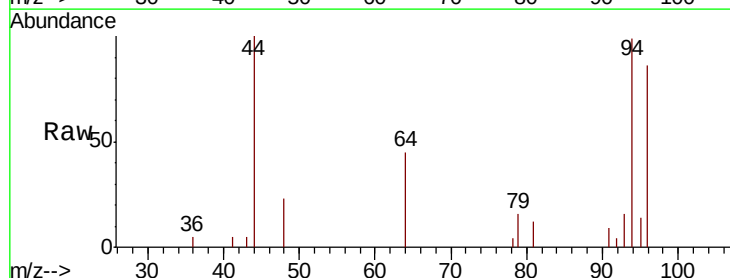
Acq: 11 Feb 2020 12:38

Tgt Ion: 94 Resp: 3442

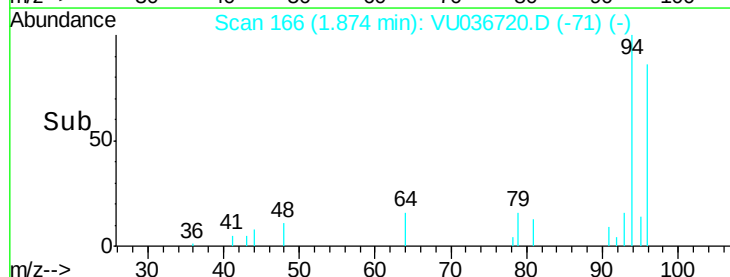
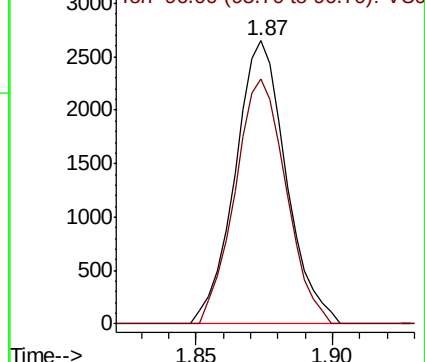
Ion Ratio Lower Upper

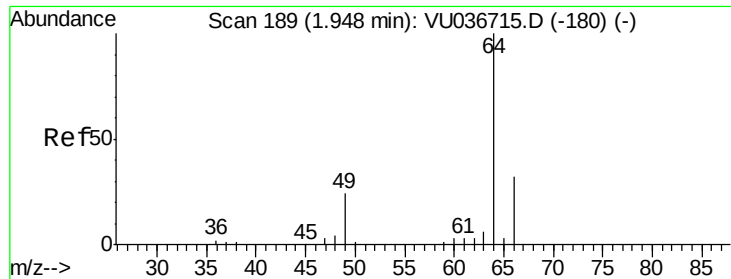
94 100

96 86.5 66.3 123.1



Abundance Ion 94.00 (93.70 to 94.70): VU036720.D (-71) (-)





#8

Chloroethane

Concen: 2.845 ug/L

RT: 1.95 min Scan# 191

Delta R.T. 0.01 min

Lab File: VU036720.D

Acq: 11 Feb 2020 12:38

Instrument :

MSVOA_U

ClientSampleId :

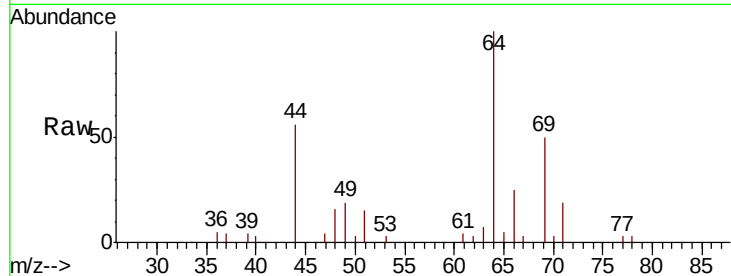
MDL06

Tot Ion: 64 Resp: 4109

Ion Ratio Lower Upper

64 100

66 25.1 22.1 41.1



Abundance Ion 64.00 (63.70 to 64.70): VU036720.D (-65) (-)

Ion 66.00 (65.70 to 66.70): VU036720.D (-65) (-)

1.95

4000

3000

2000

1000

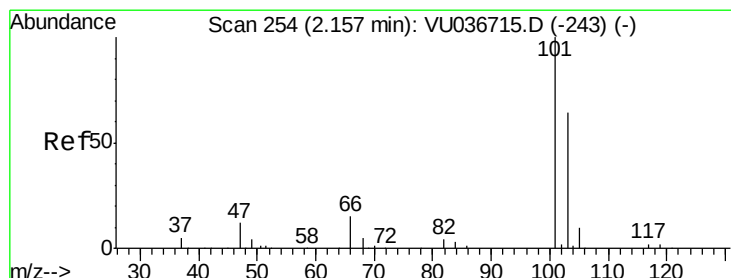
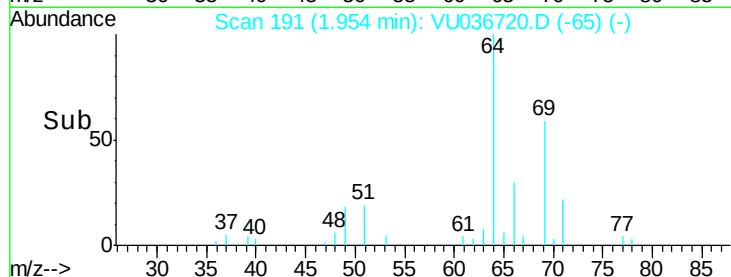
0

Time-->

1.90

1.95

2.00



#9

Trichlorofluoromethane

Concen: 2.386 ug/L

RT: 2.16 min Scan# 255

Delta R.T. 0.00 min

Lab File: VU036720.D

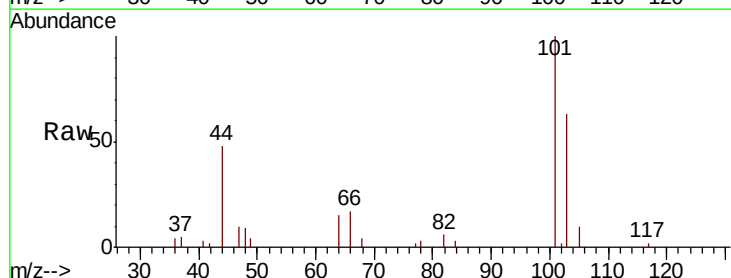
Acq: 11 Feb 2020 12:38

Tgt Ion: 101 Resp: 6453

Ion Ratio Lower Upper

101 100

103 66.1 51.6 77.4



Abundance Ion 101.00 (100.70 to 101.70): VU036720.D (-130) (-)

Ion 103.00 (102.70 to 103.70): VU036720.D (-130) (-)

2.16

5000

4000

3000

2000

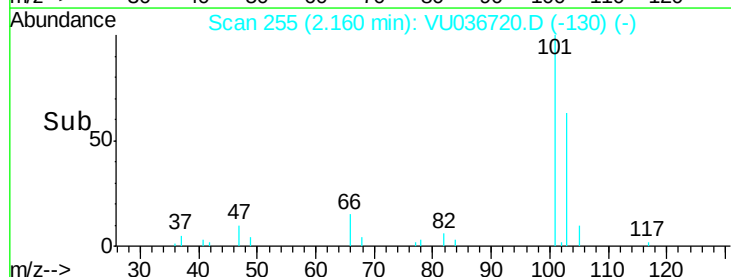
1000

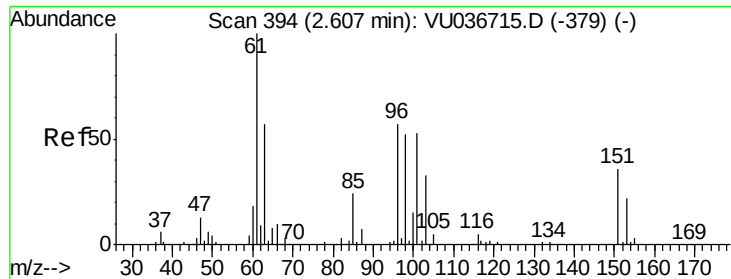
0

Time-->

2.15

2.20





#10

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

Concen: 2.792 ug/L

RT: 2.60 min Scan# 393

Delta R.T. -0.00 min

Lab File: VU036720.D

Acq: 11 Feb 2020 12:38

Instrument :

MSVOA_U

ClientSampleId :

MDL06

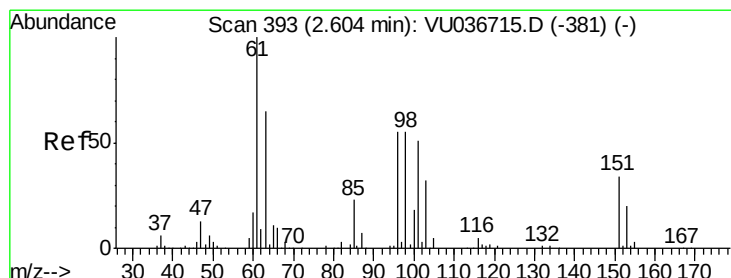
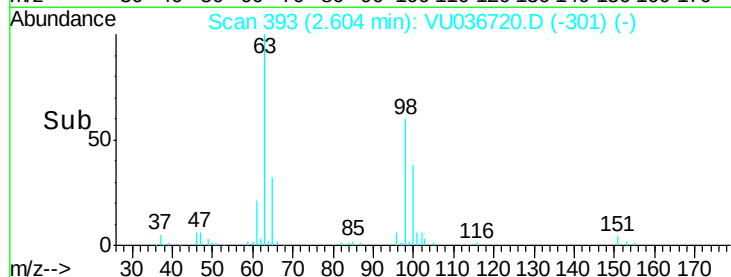
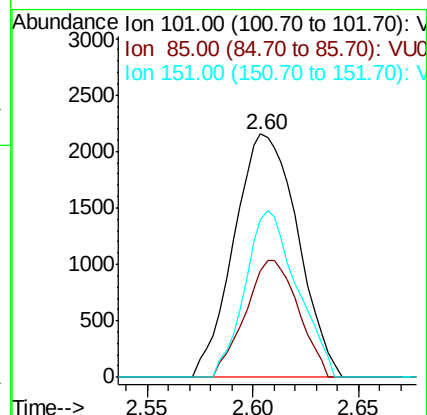
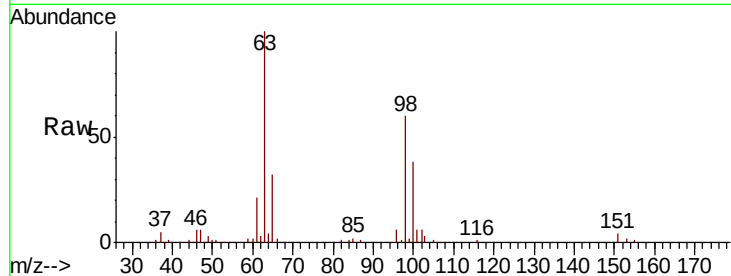
Tot Ion:101 Resp: 4522

Ion Ratio Lower Upper

101 100

85 40.0 36.5 54.7

151 55.7 52.6 78.8



#12

1,1-Dichloroethene

Concen: 2.814 ug/L

RT: 2.61 min Scan# 394

Delta R.T. 0.00 min

Lab File: VU036720.D

Acq: 11 Feb 2020 12:38

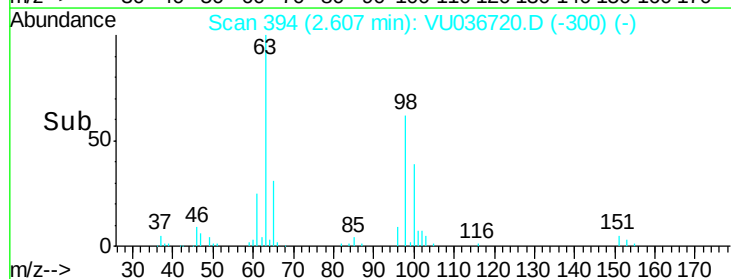
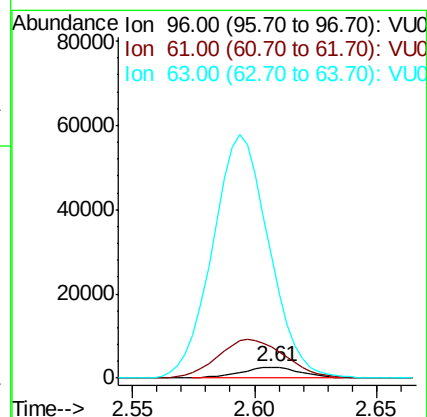
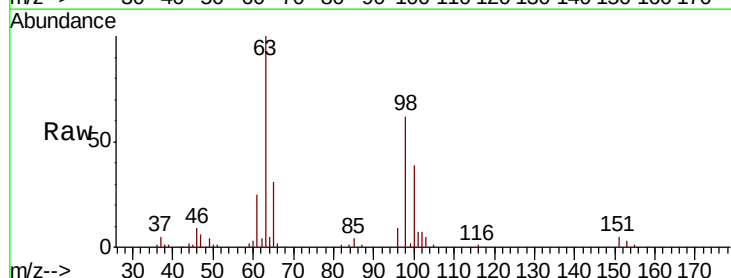
Tgt Ion: 96 Resp: 4437

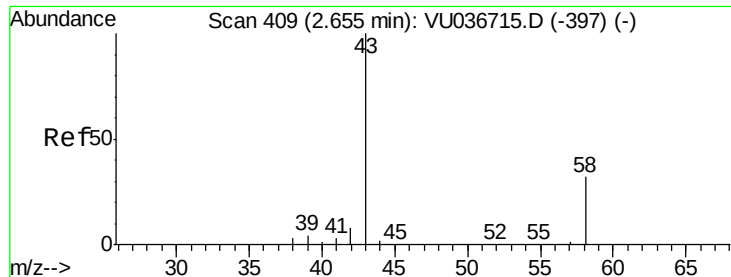
Ion Ratio Lower Upper

96 100

61 283.1 124.4 231.0#

63 1122.7 83.4 155.0#





#13

Acetone

Concen: 6.382 ug/L

RT: 2.66 min Scan# 410

Delta R.T. 0.00 min

Lab File: VU036720.D

Acq: 11 Feb 2020 12:38

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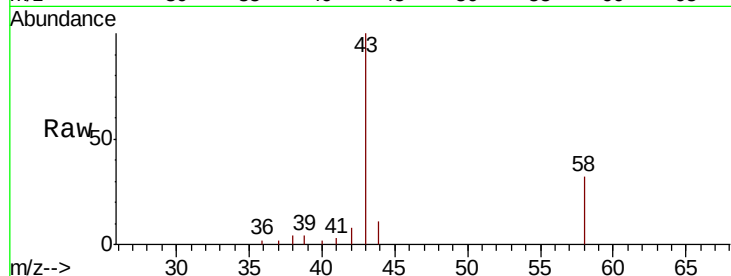
MDL06

Tot Ion: 43 Resp: 9957

Ion Ratio Lower Upper

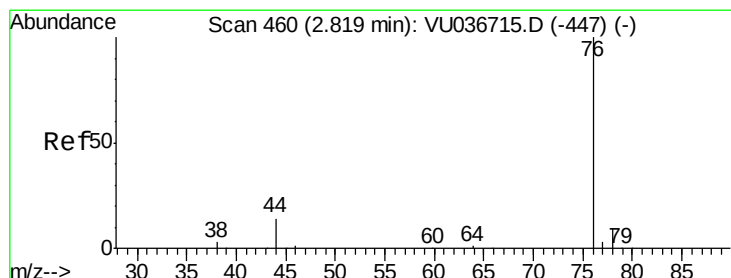
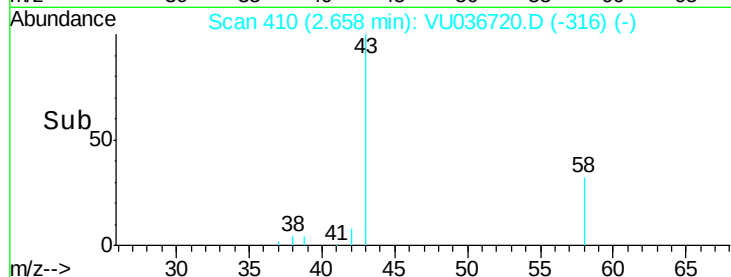
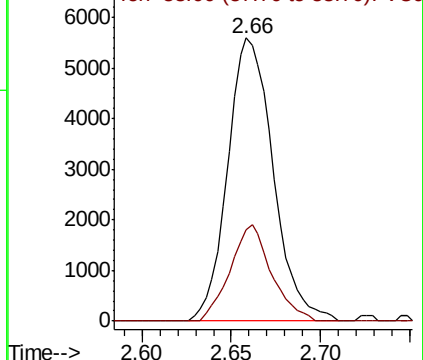
43 100

58 30.8 0.0 64.0



Abundance Ion 43.00 (42.70 to 43.70): VU036720.D (-316) (-)

Ion 58.00 (57.70 to 58.70): VU036720.D (-316) (-)



#14

Carbon disulfide

Concen: 2.294 ug/L

RT: 2.82 min Scan# 461

Delta R.T. 0.00 min

Lab File: VU036720.D

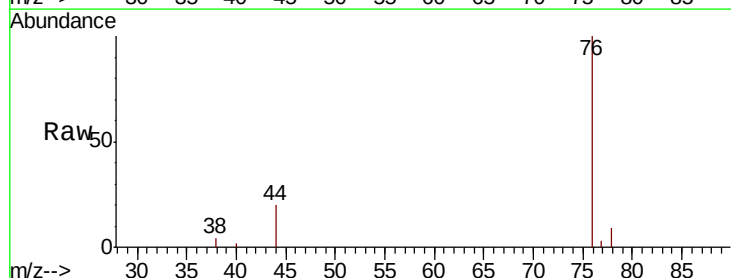
Acq: 11 Feb 2020 12:38

Tgt Ion: 76 Resp: 10810

Ion Ratio Lower Upper

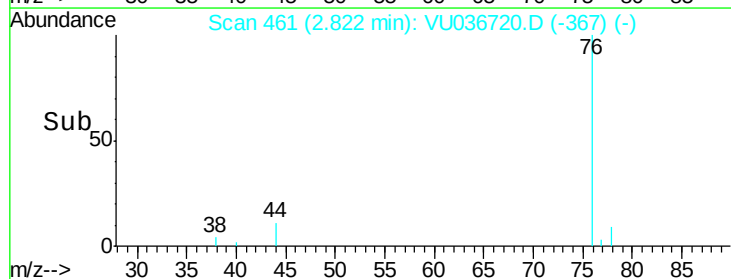
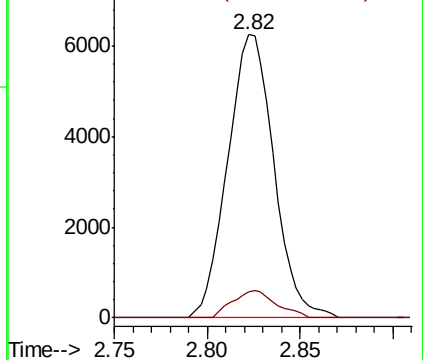
76 100

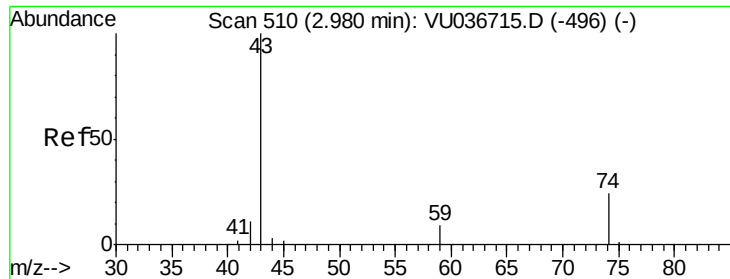
78 9.4 7.3 10.9



Abundance Ion 76.00 (75.70 to 76.70): VU036720.D (-367) (-)

Ion 78.00 (77.70 to 78.70): VU036720.D (-367) (-)

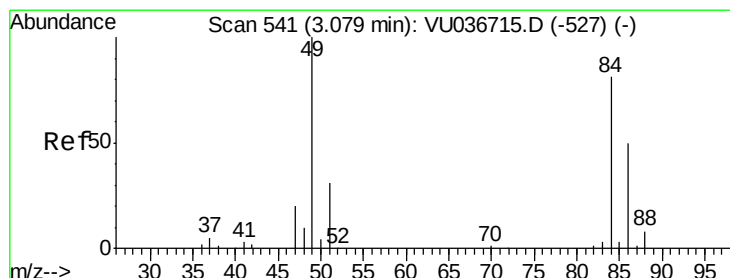
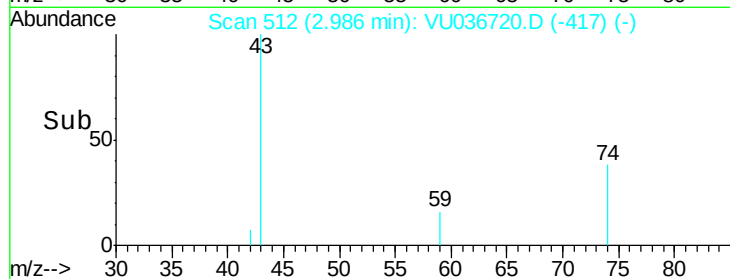
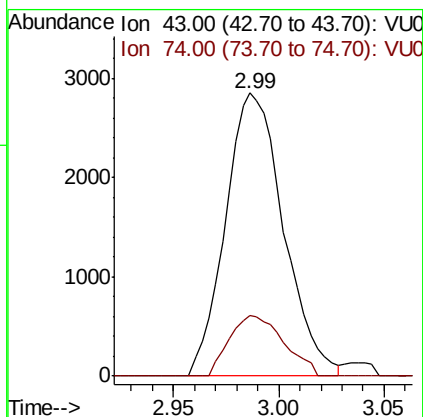
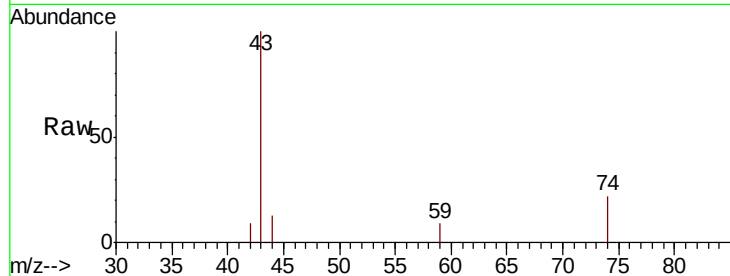




#15
Methyl Acetate
Concen: 2.412 ug/L
RT: 2.99 min Scan# 512
Delta R.T. 0.01 min
Lab File: VU036720.D
Acq: 11 Feb 2020 12:38

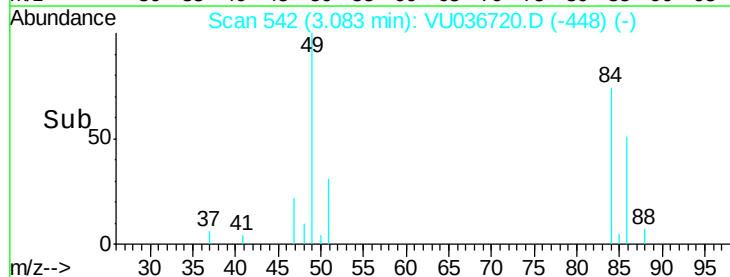
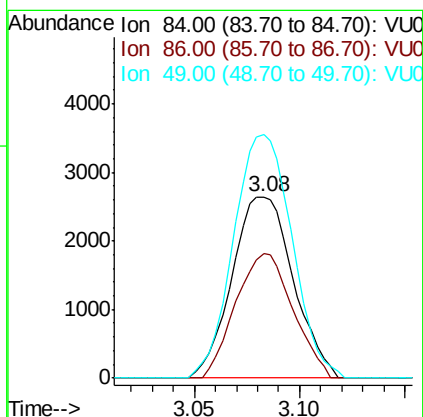
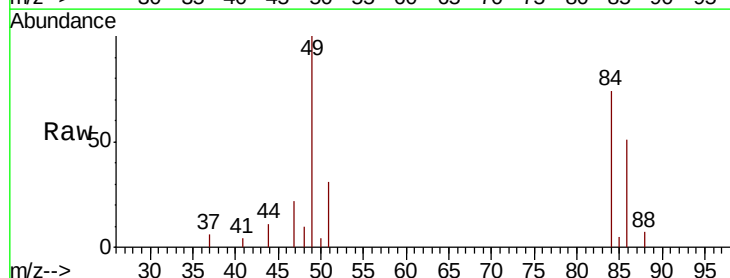
Instrument :
MSVOA_U
ClientSampleId :
MDL06

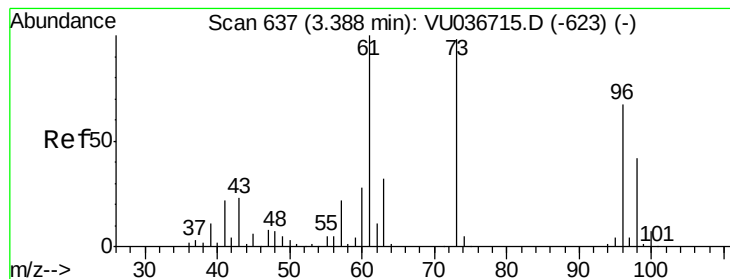
Tot Ion: 43 Resp: 5441
Ion Ratio Lower Upper
43 100
74 20.1 18.7 28.1



#16
Methylene chloride
Concen: 2.744 ug/L
RT: 3.08 min Scan# 542
Delta R.T. 0.00 min
Lab File: VU036720.D
Acq: 11 Feb 2020 12:38

Tgt Ion: 84 Resp: 5341
Ion Ratio Lower Upper
84 100
86 68.7 44.4 82.5
49 134.4 89.2 165.8





#17

trans-1,2-Dichloroethene

Concen: 2.230 ug/L

RT: 3.39 min Scan# 639

Delta R.T. 0.01 min

Lab File: VU036720.D

Acq: 11 Feb 2020 12:38

Instrument :

MSVOA_U

ClientSampleId :

MDL06

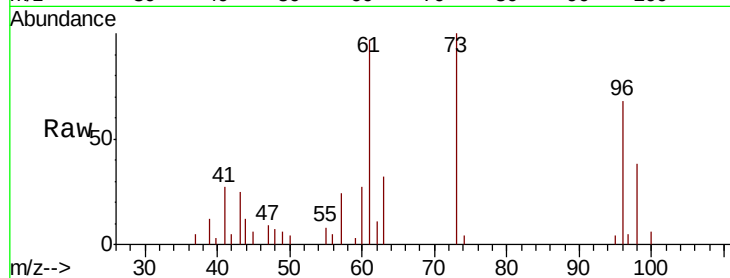
Tot Ion: 96 Resp: 3741

Ion Ratio Lower Upper

96 100

61 141.7 103.4 192.0

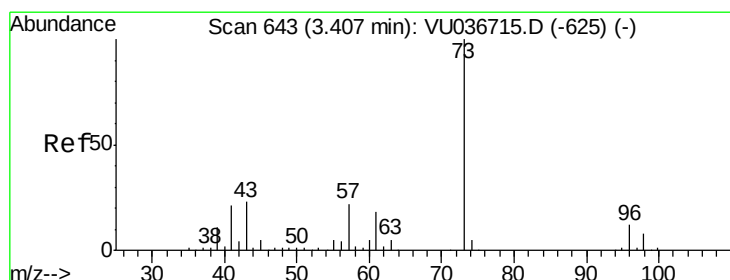
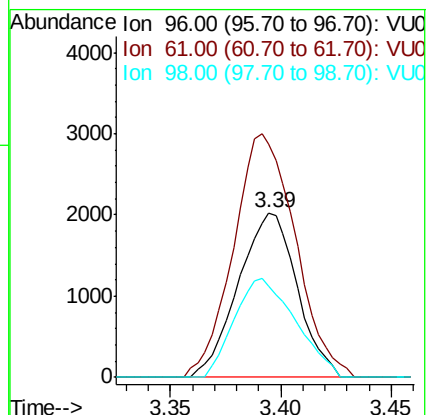
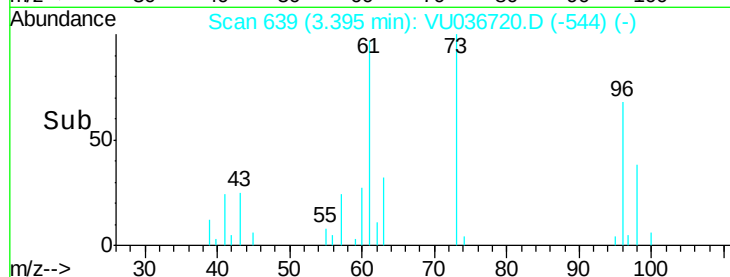
98 55.1 45.4 84.2



Abundance Ion 96.00 (95.70 to 96.70): VU036720.D (-544) (-)

Ion 61.00 (60.70 to 61.70): VU036720.D (-544) (-)

Ion 98.00 (97.70 to 98.70): VU036720.D (-544) (-)



#18

Methyl tert-butyl Ether

Concen: 2.399 ug/L

RT: 3.41 min Scan# 645

Delta R.T. 0.01 min

Lab File: VU036720.D

Acq: 11 Feb 2020 12:38

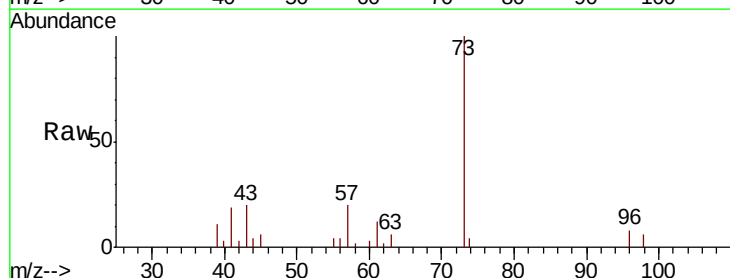
Tgt Ion: 73 Resp: 13967

Ion Ratio Lower Upper

73 100

43 0.0 18.6 28.0#

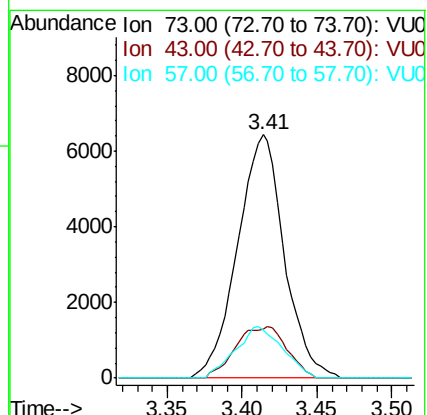
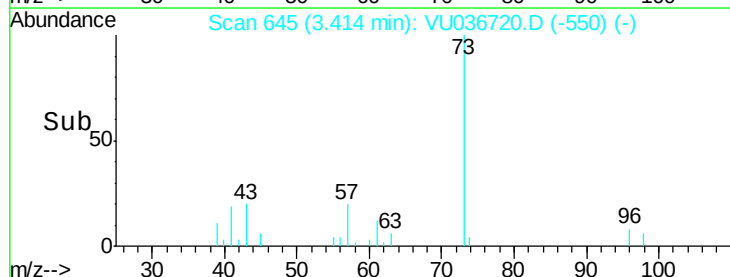
57 21.4 18.3 27.5

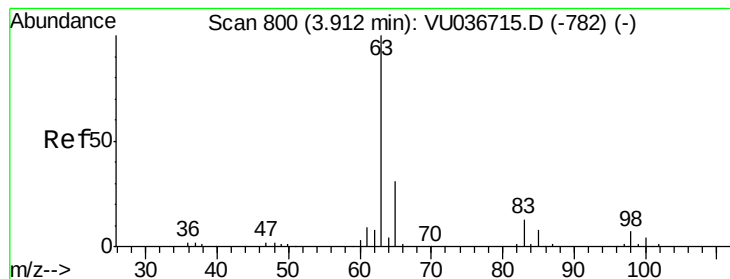


Abundance Ion 73.00 (72.70 to 73.70): VU036720.D (-550) (-)

Ion 43.00 (42.70 to 43.70): VU036720.D (-550) (-)

Ion 57.00 (56.70 to 57.70): VU036720.D (-550) (-)





#19

1,1-Dichloroethane

Concen: 2.493 ug/L

RT: 3.92 min Scan# 802

Delta R.T. 0.01 min

Lab File: VU036720.D

Acq: 11 Feb 2020 12:38

Instrument :

MSVOA_U

ClientSampleId :

MDL06

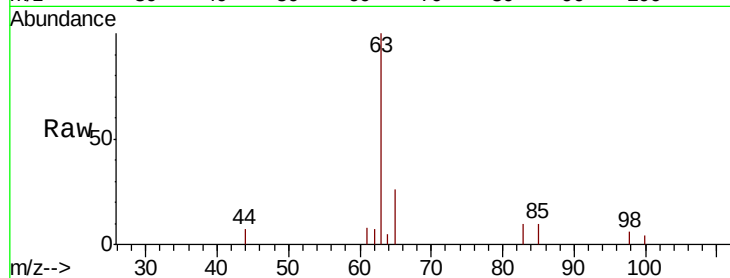
Tot Ion: 63 Resp: 8335

Ion Ratio Lower Upper

63 100

65 26.4 22.0 40.8

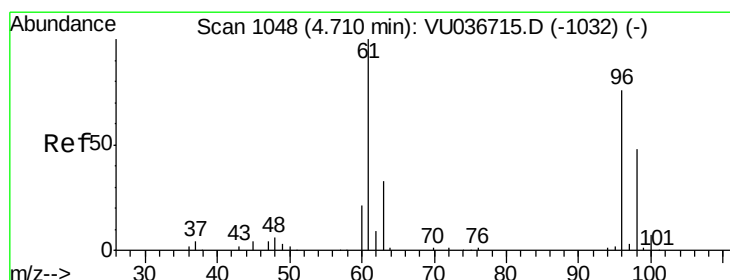
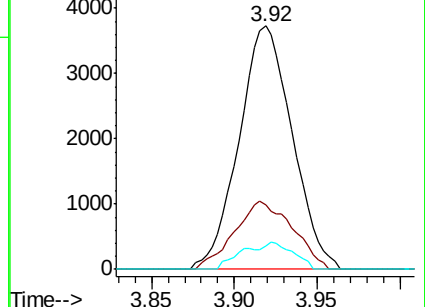
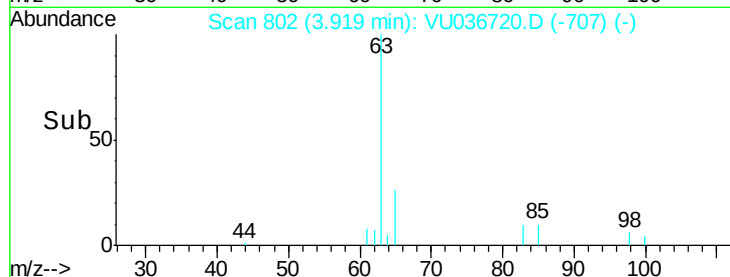
83 9.8 10.1 18.7#



Abundance Ion 63.00 (62.70 to 63.70): VU036720.D (-707) (-)

Ion 65.00 (64.70 to 65.70): VU036720.D (-707) (-)

Ion 83.00 (82.70 to 83.70): VU036720.D (-707) (-)



#20

cis-1,2-Dichloroethene

Concen: 2.391 ug/L

RT: 4.71 min Scan# 1049

Delta R.T. 0.00 min

Lab File: VU036720.D

Acq: 11 Feb 2020 12:38

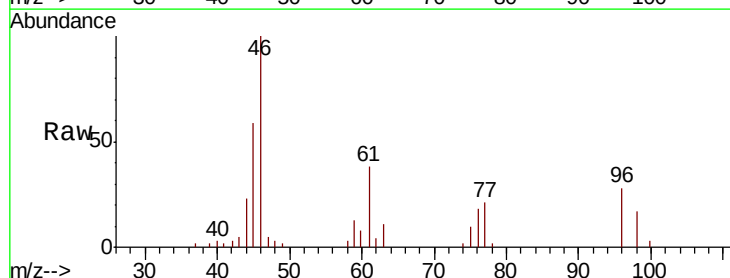
Tgt Ion: 96 Resp: 4571

Ion Ratio Lower Upper

96 100

61 135.0 93.3 173.3

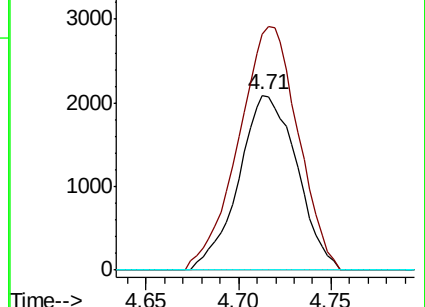
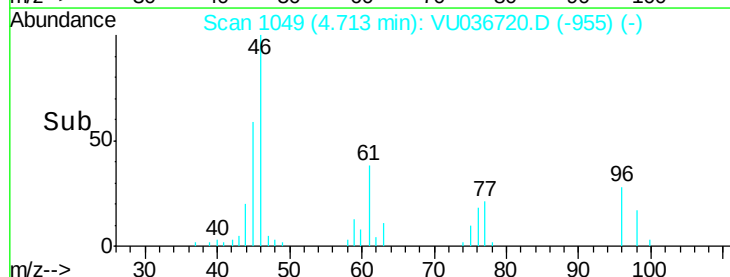
68 0.0 0.0 0.0

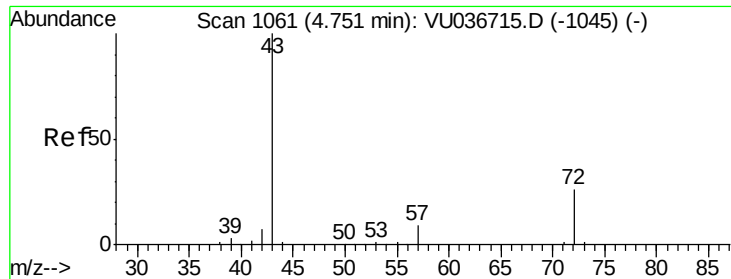


Abundance Ion 96.00 (95.70 to 96.70): VU036720.D (-955) (-)

Ion 61.00 (60.70 to 61.70): VU036720.D (-955) (-)

Ion 68.00 (67.70 to 68.70): VU036720.D (-955) (-)





#22

2-Butanone

Concen: 5.424 ug/L

RT: 4.76 min Scan# 1064

Delta R.T. 0.01 min

Lab File: VU036720.D

Acq: 11 Feb 2020 12:38

Instrument :

MSVOA_U

ClientSampleId :

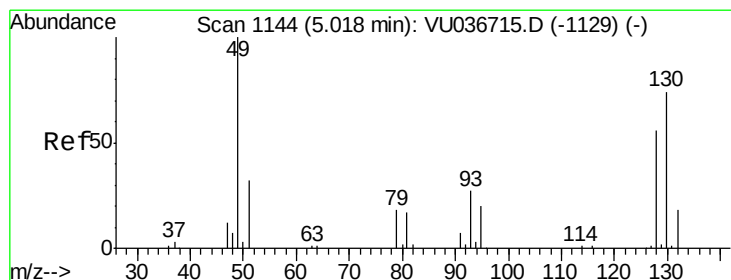
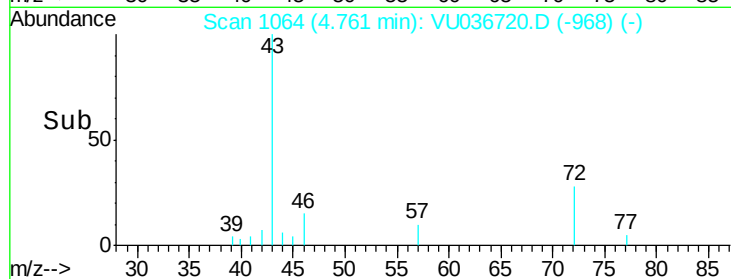
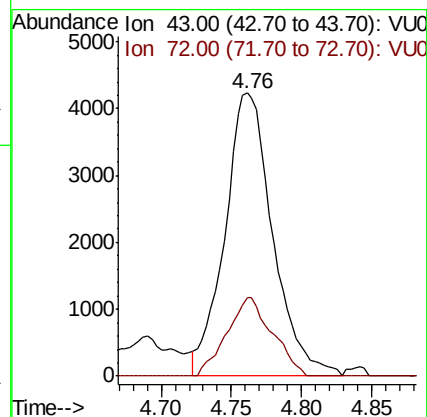
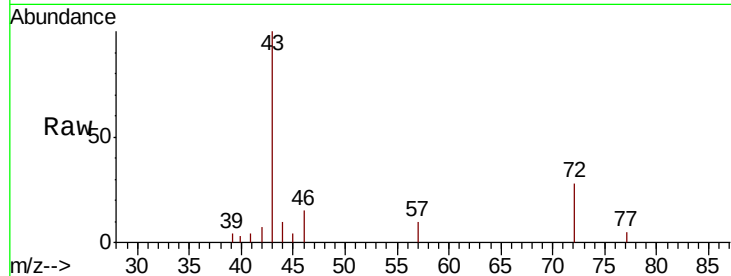
MDL06

Tot Ion: 43 Resp: 10043

Ion Ratio Lower Upper

43 100

72 26.3 13.6 40.7



#23

Bromochloromethane

Concen: 2.350 ug/L

RT: 5.02 min Scan# 1146

Delta R.T. 0.01 min

Lab File: VU036720.D

Acq: 11 Feb 2020 12:38

Tgt Ion: 128 Resp: 2105

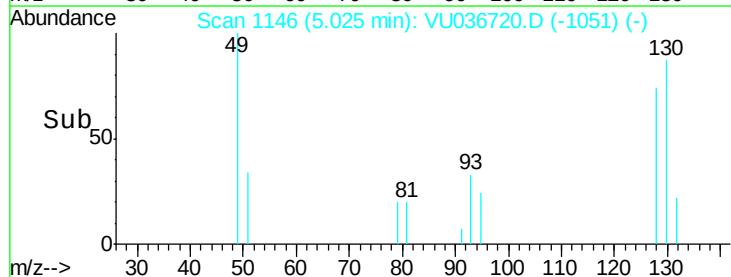
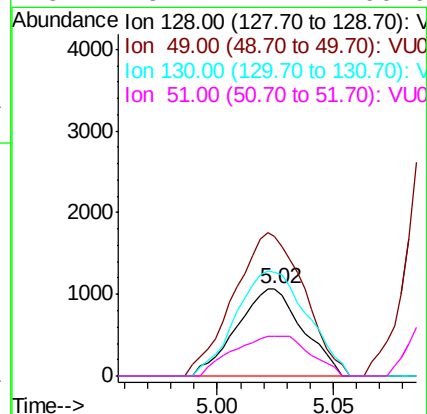
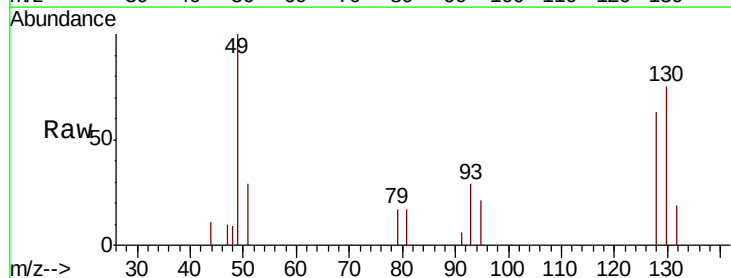
Ion Ratio Lower Upper

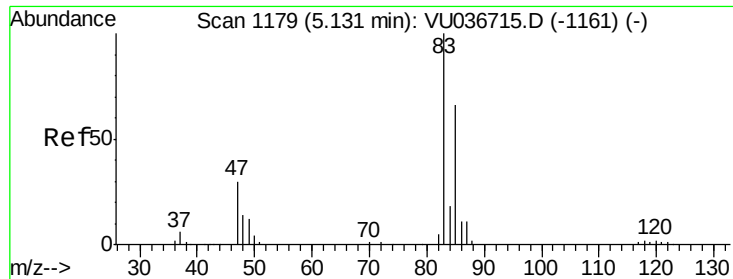
128 100

49 158.8 127.3 236.5

130 118.5 88.5 164.3

51 45.7 44.4 66.6

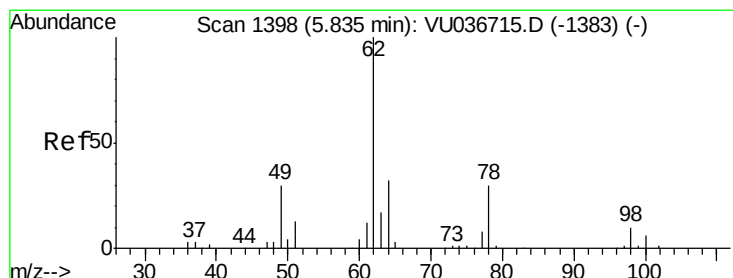
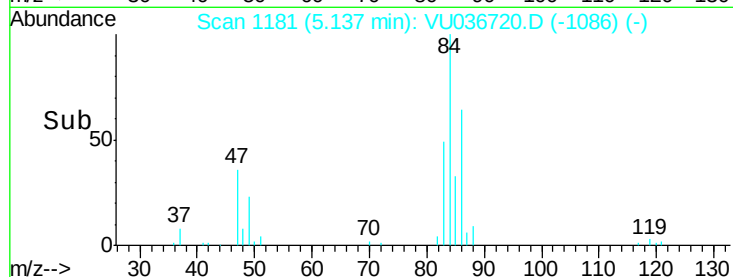
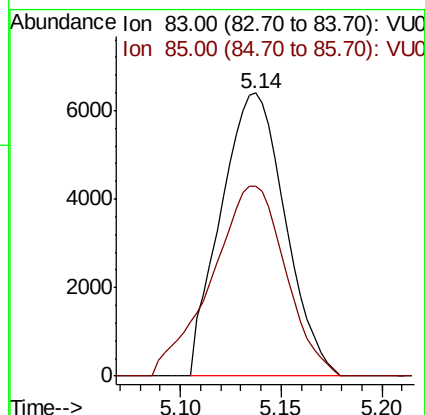
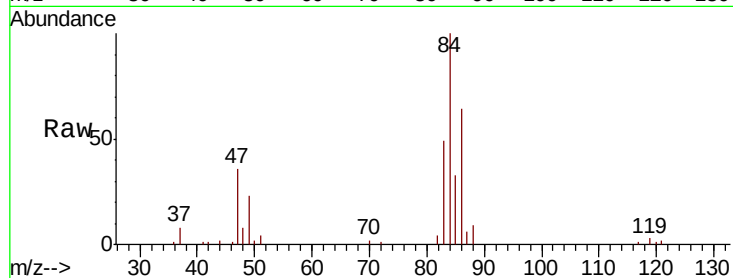




#25
Chloroform
Concen: 4.370 ug/L
RT: 5.14 min Scan# 1181
Delta R.T. 0.01 min
Lab File: VU036720.D
Acq: 11 Feb 2020 12:38

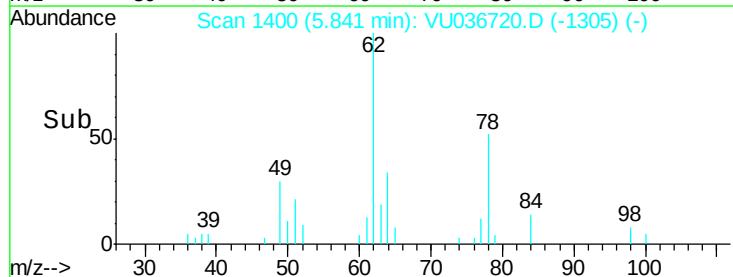
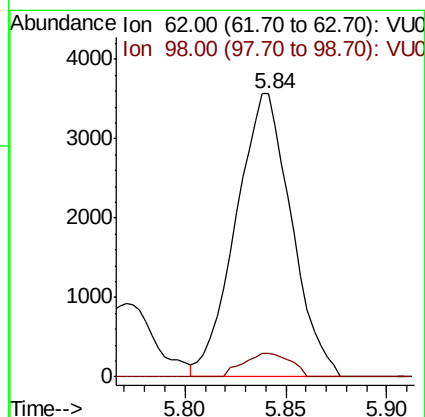
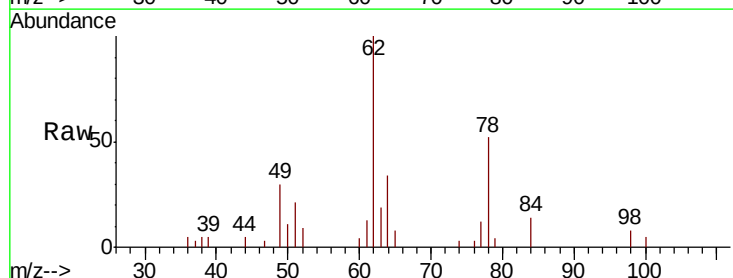
Instrument :
MSVOA_U
ClientSampleId :
MDL06

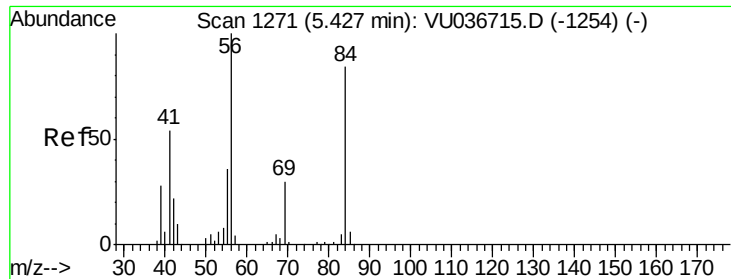
Tot Ion: 83 Resp: 14208
Ion Ratio Lower Upper
83 100
85 66.9 44.6 82.8



#27
1,2-Dichloroethane
Concen: 2.512 ug/L
RT: 5.84 min Scan# 1400
Delta R.T. 0.01 min
Lab File: VU036720.D
Acq: 11 Feb 2020 12:38

Tgt Ion: 62 Resp: 6868
Ion Ratio Lower Upper
62 100
98 8.5 7.0 10.4

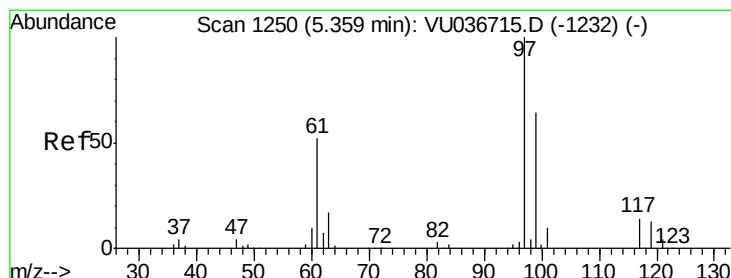
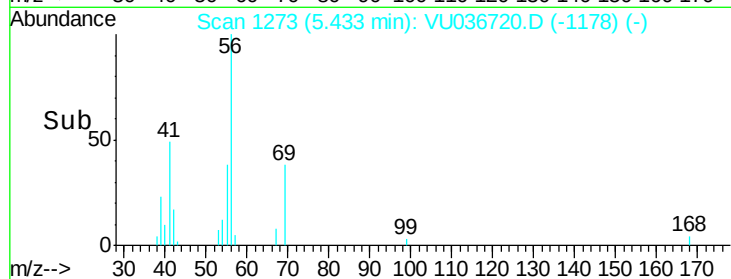
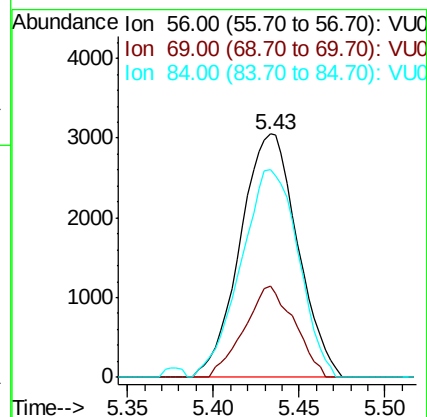
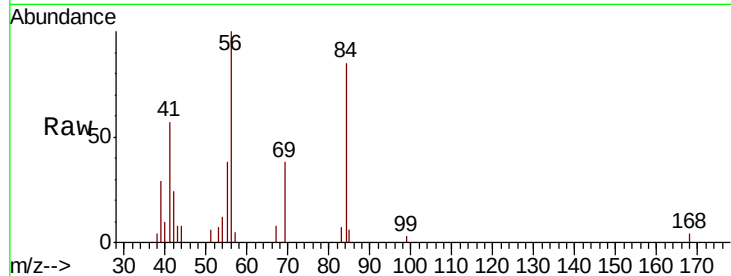




#29
Cyclohexane
Concen: 2.267 ug/L
RT: 5.43 min Scan# 1273
Delta R.T. 0.01 min
Lab File: VU036720.D
Acq: 11 Feb 2020 12:38

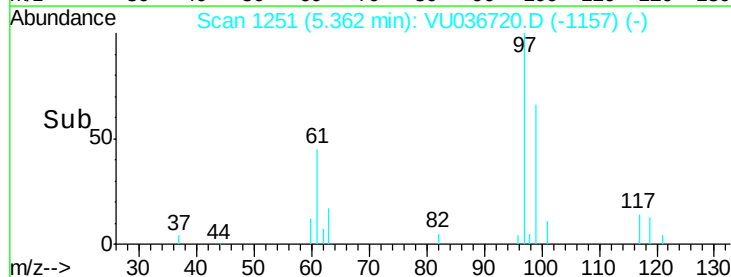
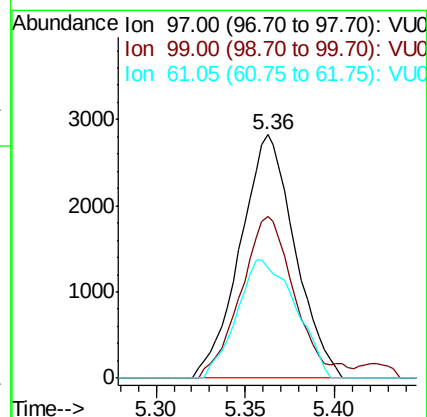
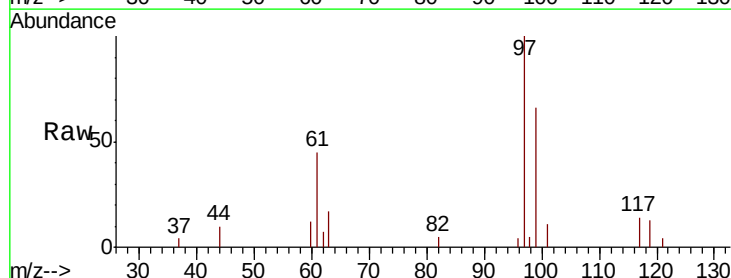
Instrument :
MSVOA_U
ClientSampleId :
MDL06

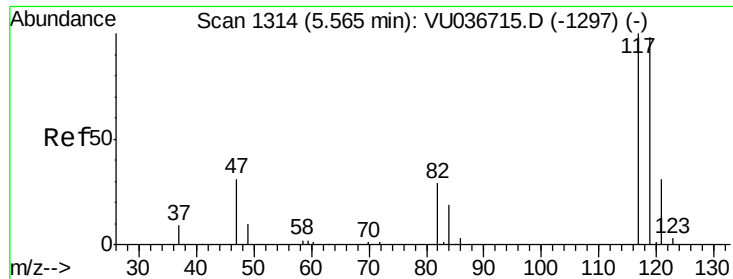
Tot Ion: 56 Resp: 7079
Ion Ratio Lower Upper
56 100
69 32.8 25.0 37.4
84 85.6 68.2 102.2



#30
1,1,1-Trichloroethane
Concen: 2.346 ug/L
RT: 5.36 min Scan# 1251
Delta R.T. 0.00 min
Lab File: VU036720.D
Acq: 11 Feb 2020 12:38

Tgt Ion: 97 Resp: 6057
Ion Ratio Lower Upper
97 100
99 63.7 50.9 76.3
61 51.7 40.2 60.2





#31

Carbon tetrachloride

Concen: 2.372 ug/L

RT: 5.57 min Scan# 1315

Delta R.T. 0.00 min

Lab File: VU036720.D

Acq: 11 Feb 2020 12:38

Instrument :

MSVOA_U

ClientSampleId :

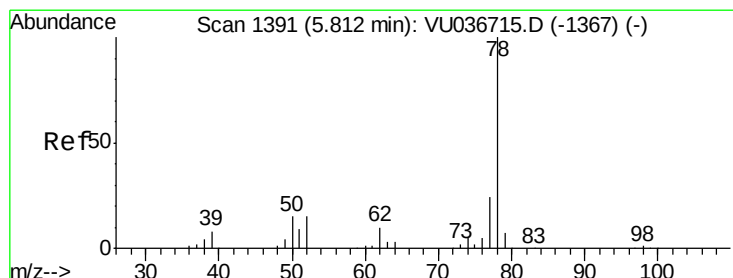
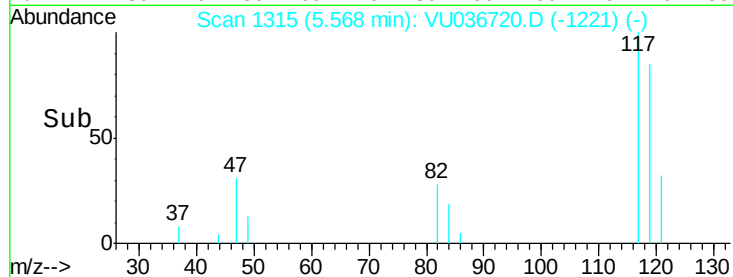
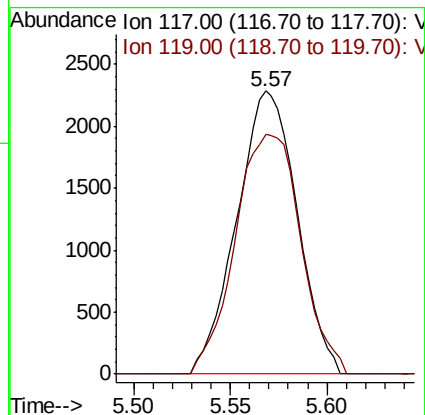
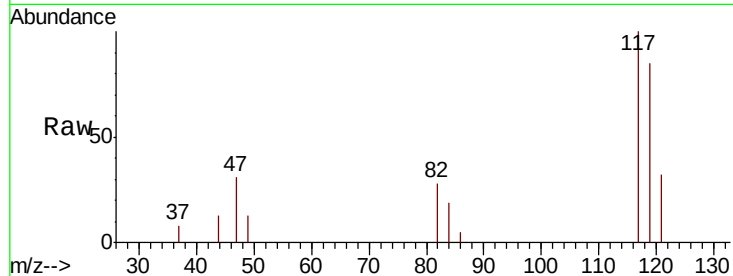
MDL06

Tot Ion:117 Resp: 4959

Ion Ratio Lower Upper

117 100

119 91.9 76.2 114.4



#33

Benzene

Concen: 2.436 ug/L

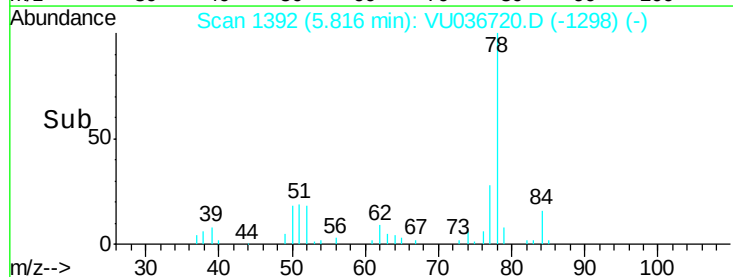
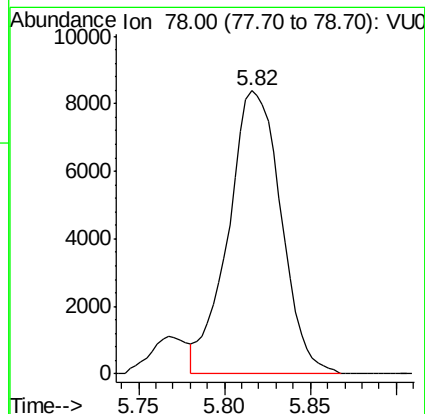
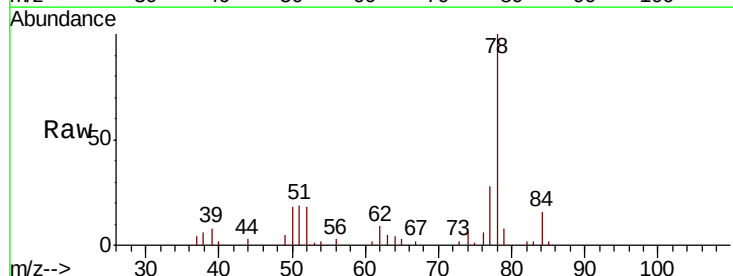
RT: 5.82 min Scan# 1392

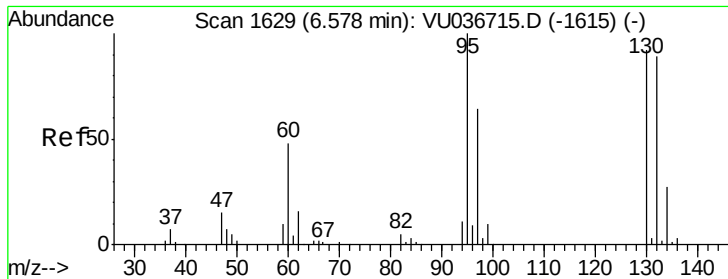
Delta R.T. 0.00 min

Lab File: VU036720.D

Acq: 11 Feb 2020 12:38

Tgt Ion: 78 Resp: 17913





#34

Trichloroethene

Concen: 2.365 ug/L

RT: 6.58 min Scan# 1630

Delta R.T. 0.00 min

Lab File: VU036720.D

Acq: 11 Feb 2020 12:38

Instrument :

MSVOA_U

ClientSampleId :

MDL06

Tot Ion: 95 Resp: 4299

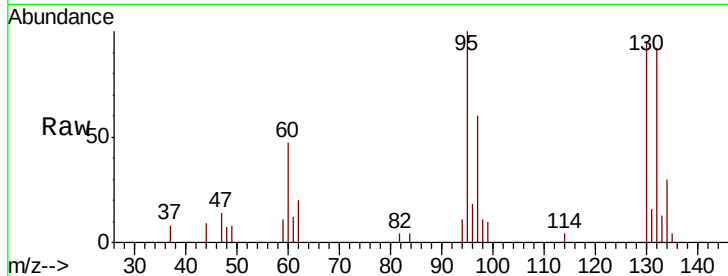
Ion Ratio Lower Upper

95 100

97 60.5 44.5 82.7

132 92.3 59.6 110.8

130 95.2 65.0 120.8

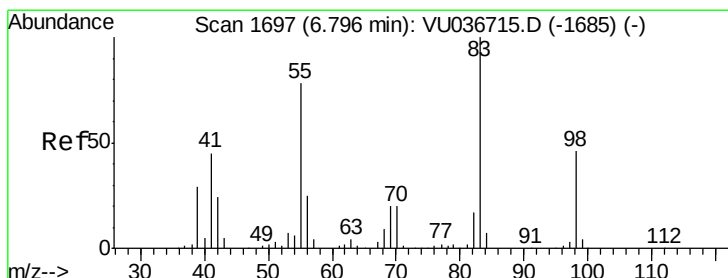
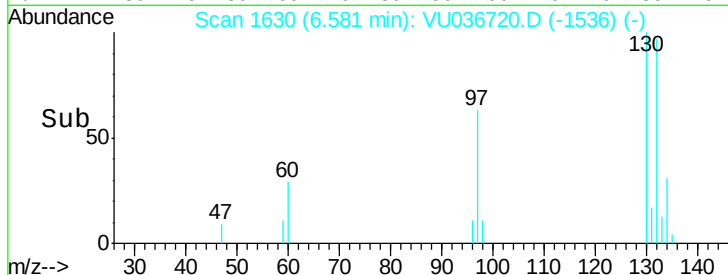
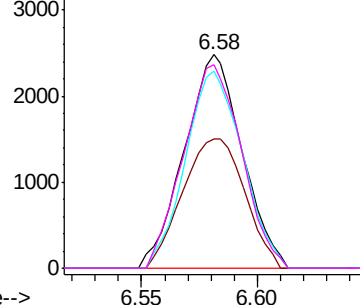


Abundance Ion 95.00 (94.70 to 95.70): VU0

Ion 97.00 (96.70 to 97.70): VU0

Ion 132.00 (131.70 to 132.70): V

Ion 130.00 (129.70 to 130.70): V



#35

Methylcyclohexane

Concen: 2.239 ug/L

RT: 6.80 min Scan# 1698

Delta R.T. 0.00 min

Lab File: VU036720.D

Acq: 11 Feb 2020 12:38

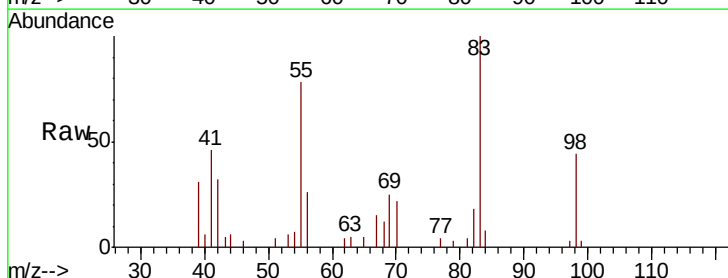
Tgt Ion: 83 Resp: 7169

Ion Ratio Lower Upper

83 100

55 74.8 61.2 91.8

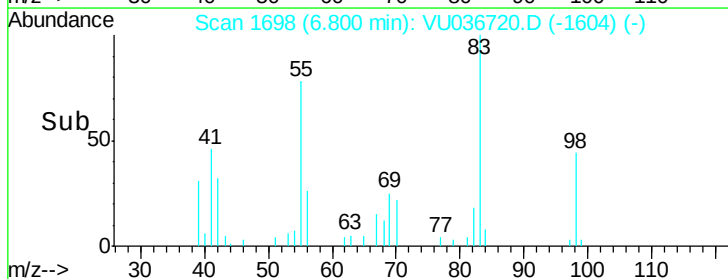
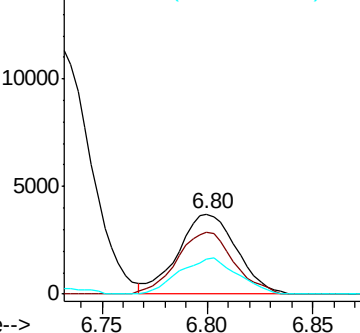
98 45.1 35.4 53.0

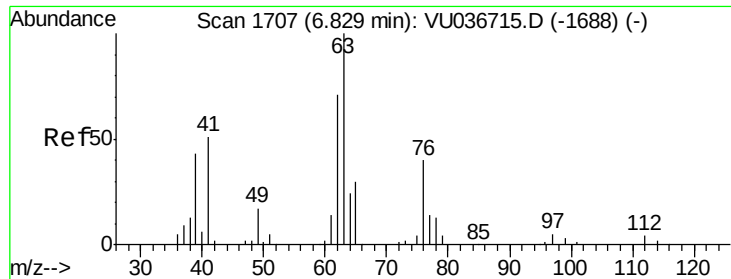


Abundance Ion 83.00 (82.70 to 83.70): VU0

Ion 55.00 (54.70 to 55.70): VU0

Ion 98.00 (97.70 to 98.70): VU0

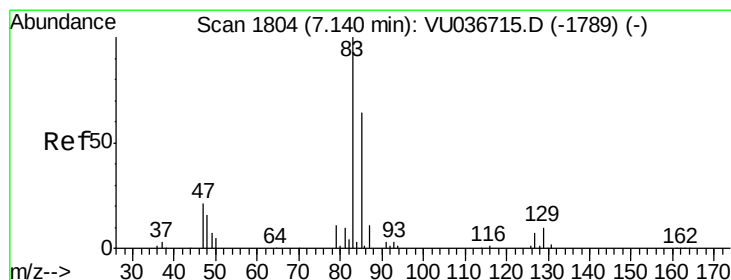
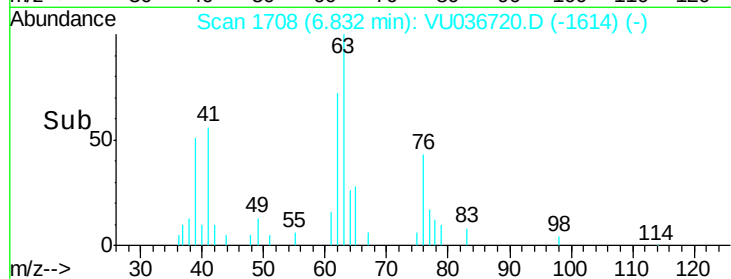
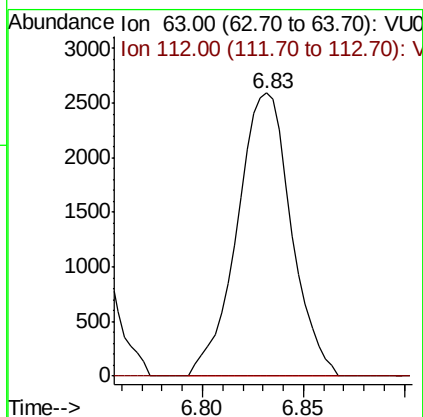
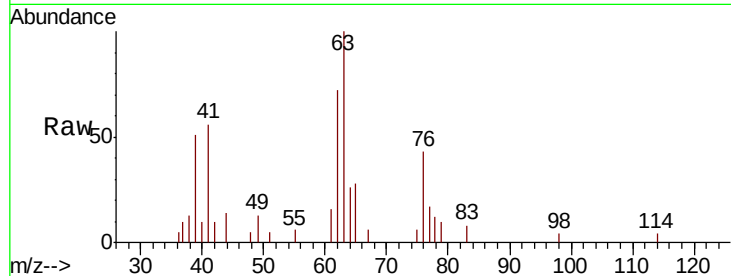




#37
 1,2-Dichloropropane
 Concen: 2.454 ug/L
 RT: 6.83 min Scan# 1708
 Delta R.T. 0.00 min
 Lab File: VU036720.D
 Acq: 11 Feb 2020 12:38

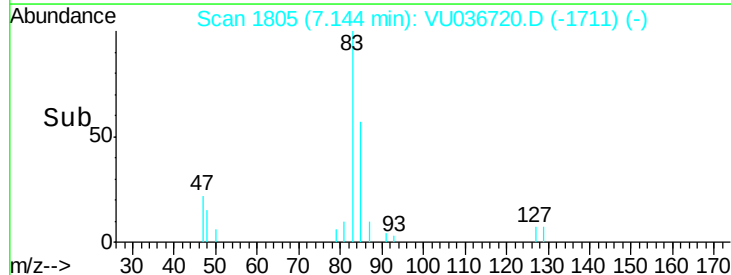
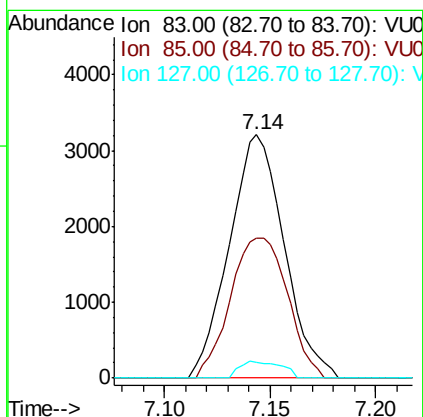
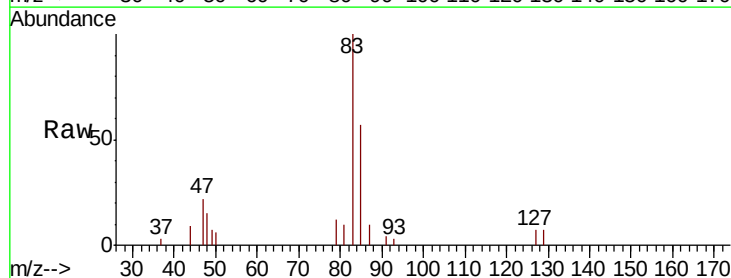
Instrument :
 MSVOA_U
 ClientSampleId :
 MDL06

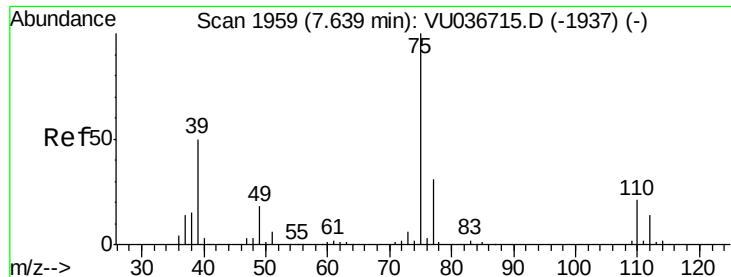
Tot Ion: 63 Resp: 4866
 Ion Ratio Lower Upper
 63 100
 112 0.0 3.1 4.7#



#38
 Bromodichloromethane
 Concen: 2.410 ug/L
 RT: 7.14 min Scan# 1805
 Delta R.T. 0.00 min
 Lab File: VU036720.D
 Acq: 11 Feb 2020 12:38

Tgt Ion: 83 Resp: 5805
 Ion Ratio Lower Upper
 83 100
 85 57.5 43.9 81.5
 127 6.6 6.0 9.0

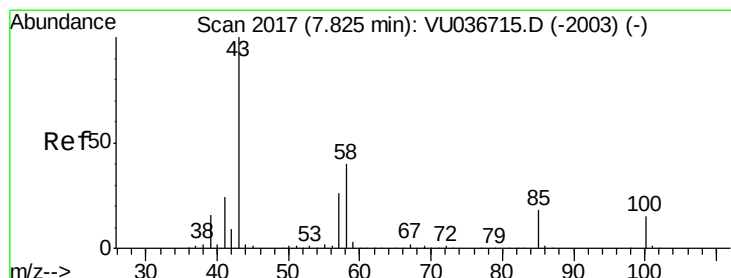
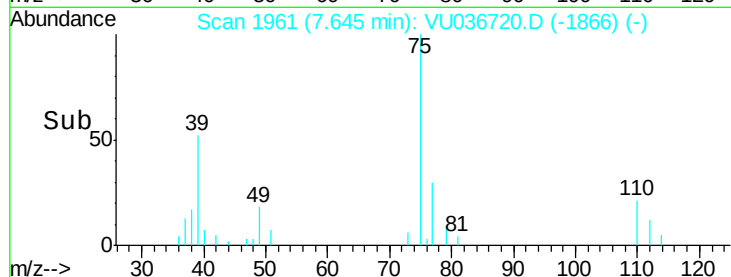
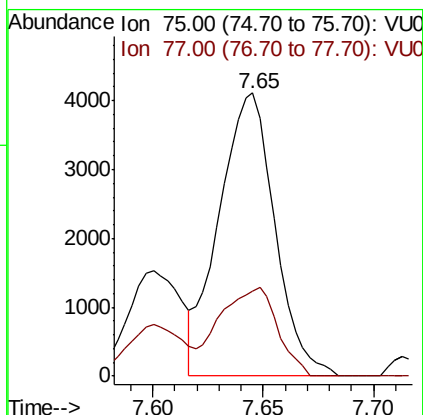
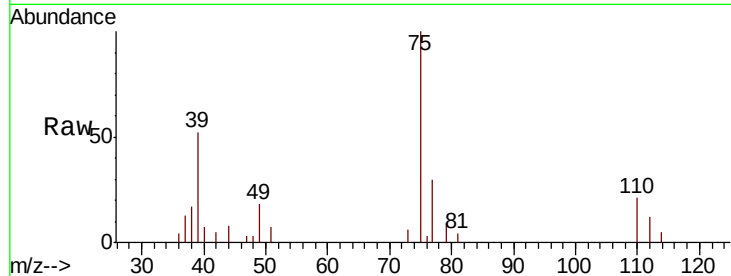




#39
 cis-1,3-Dichloropropene
 Concen: 2.283 ug/L
 RT: 7.65 min Scan# 1961
 Delta R.T. 0.01 min
 Lab File: VU036720.D
 Acq: 11 Feb 2020 12:38

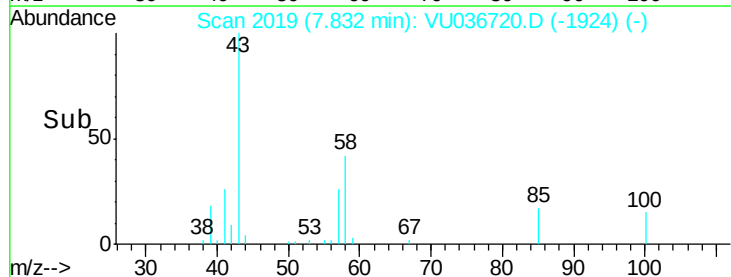
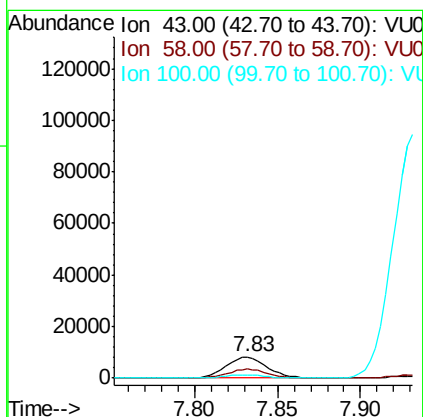
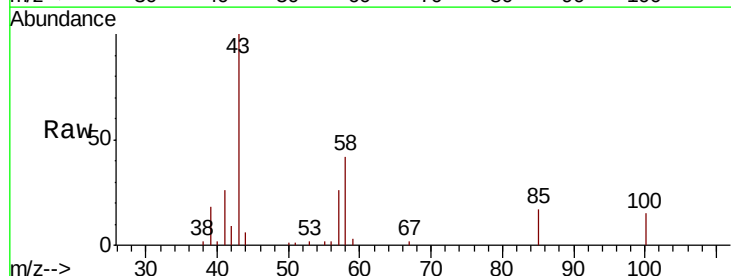
Instrument :
 MSVOA_U
 ClientSampleId :
 MDL06

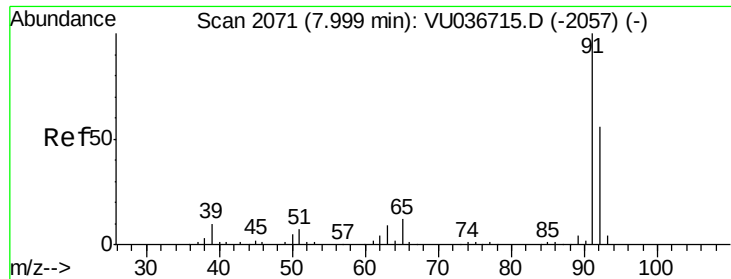
Tot Ion: 75 Resp: 7231
 Ion Ratio Lower Upper
 75 100
 77 30.2 22.3 41.5



#40
 4-Methyl-2-pentanone
 Concen: 4.541 ug/L
 RT: 7.83 min Scan# 2019
 Delta R.T. 0.01 min
 Lab File: VU036720.D
 Acq: 11 Feb 2020 12:38

Tgt Ion: 43 Resp: 14224
 Ion Ratio Lower Upper
 43 100
 58 40.9 31.0 46.6
 100 14.4 11.4 17.2





#42

Toluene

Concen: 2.504 ug/L

RT: 8.00 min Scan# 2072

Delta R.T. 0.00 min

Lab File: VU036720.D

Acq: 11 Feb 2020 12:38

Instrument :

MSVOA_U

ClientSampleId :

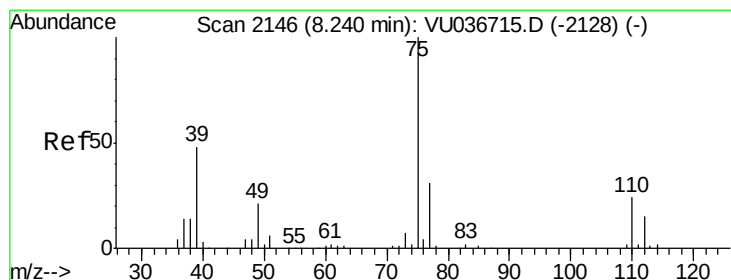
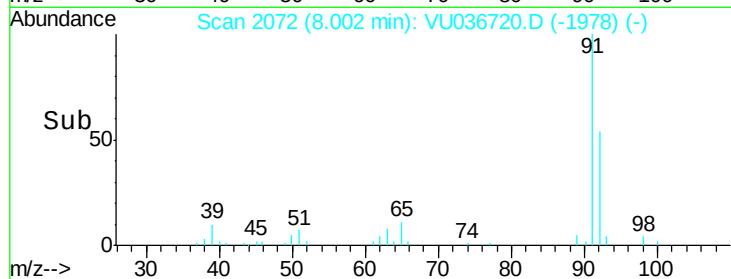
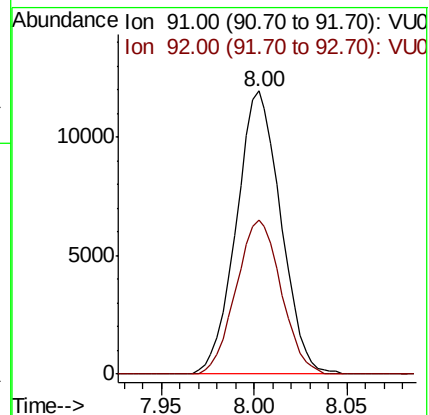
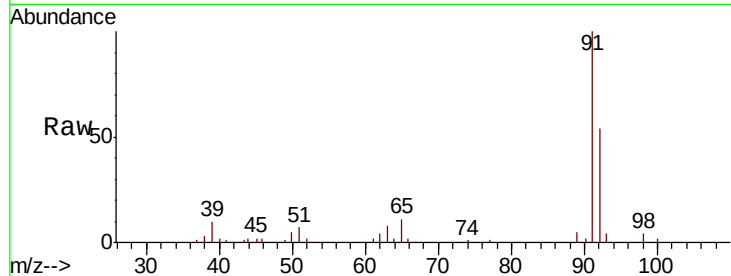
MDL06

Tot Ion: 91 Resp: 19896

Ion Ratio Lower Upper

91 100

92 54.2 39.5 73.3



#44

trans-1,3-Dichloropropene

Concen: 2.212 ug/L

RT: 8.24 min Scan# 2147

Delta R.T. 0.00 min

Lab File: VU036720.D

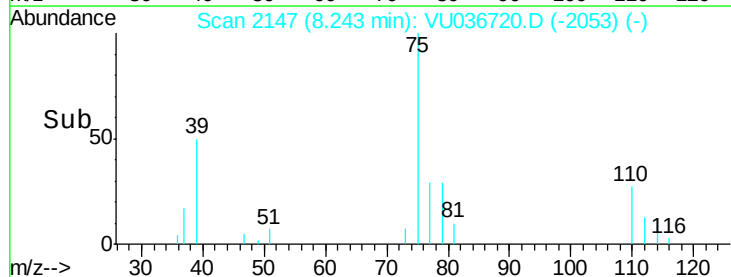
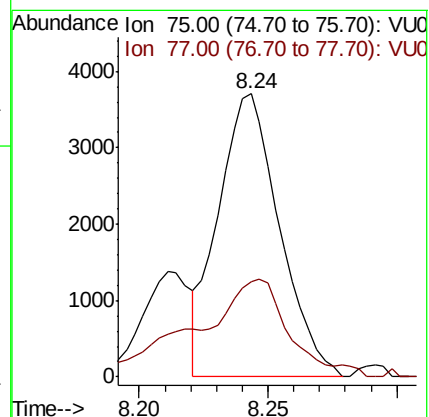
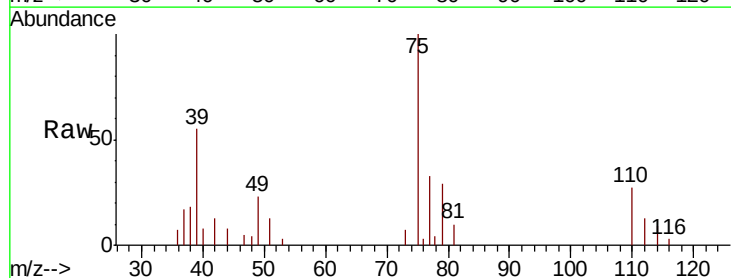
Acq: 11 Feb 2020 12:38

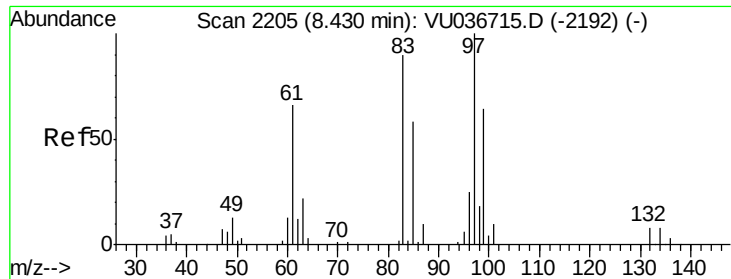
Tgt Ion: 75 Resp: 6121

Ion Ratio Lower Upper

75 100

77 33.4 22.6 42.0

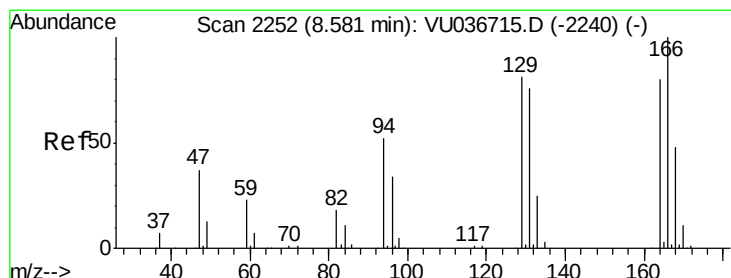
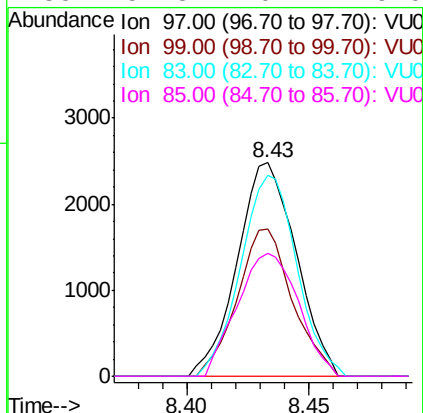
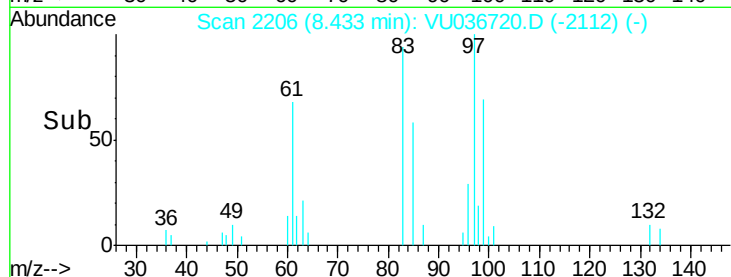
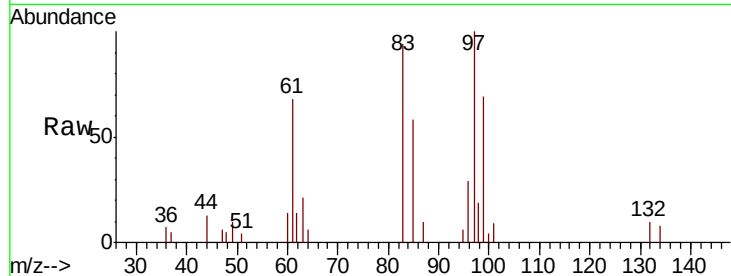




#45
1,1,2-Trichloroethane
Concen: 2.293 ug/L
RT: 8.43 min Scan# 2206
Delta R.T. 0.00 min
Lab File: VU036720.D
Acq: 11 Feb 2020 12:38

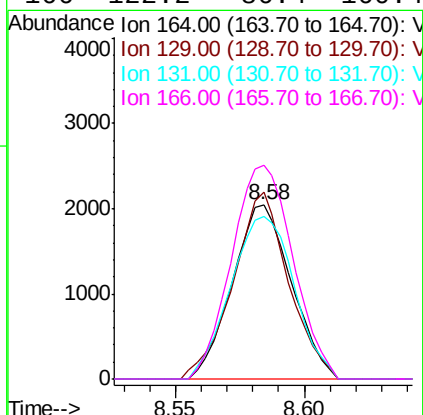
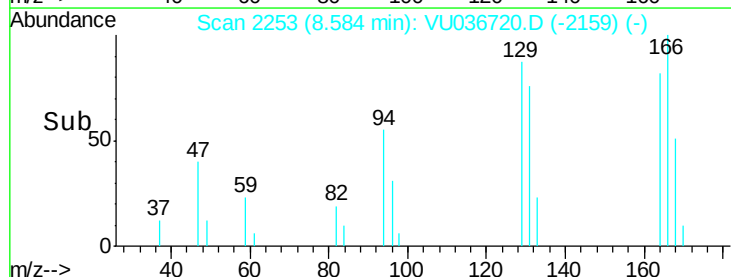
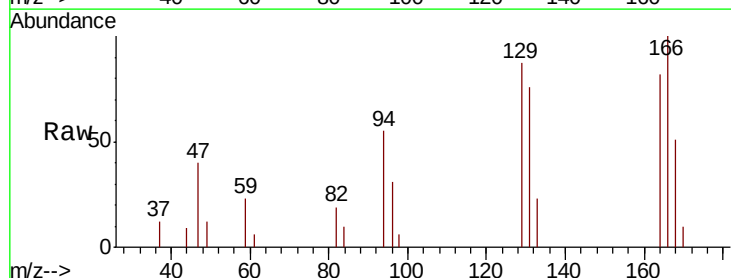
Instrument :
MSVOA_U
ClientSampleId :
MDL06

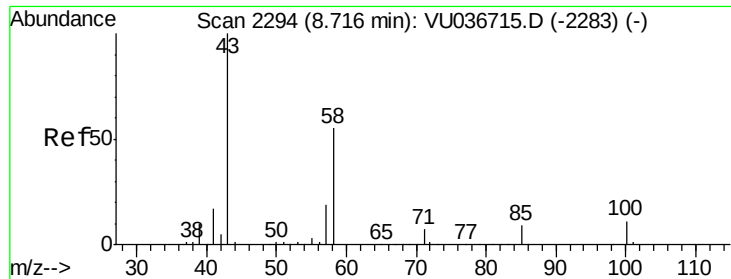
Tot Ion: 97 Resp: 4148
Ion Ratio Lower Upper
97 100
99 69.1 42.6 79.0
83 94.2 61.1 113.5
85 57.8 40.4 75.0



#46
Tetrachloroethene
Concen: 2.562 ug/L
RT: 8.58 min Scan# 2253
Delta R.T. 0.00 min
Lab File: VU036720.D
Acq: 11 Feb 2020 12:38

Tgt Ion: 164 Resp: 3268
Ion Ratio Lower Upper
164 100
129 106.9 71.0 131.9
131 93.2 66.6 123.6
166 122.2 86.4 160.4

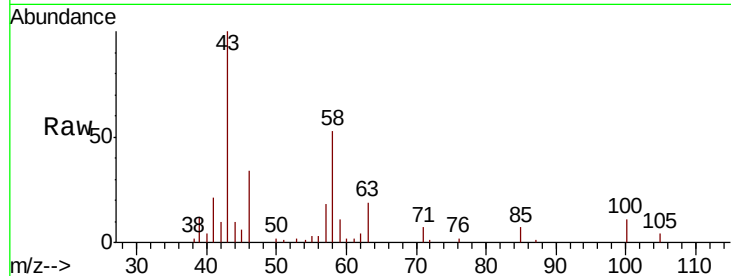




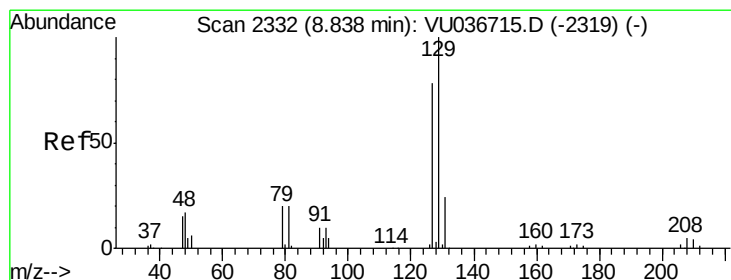
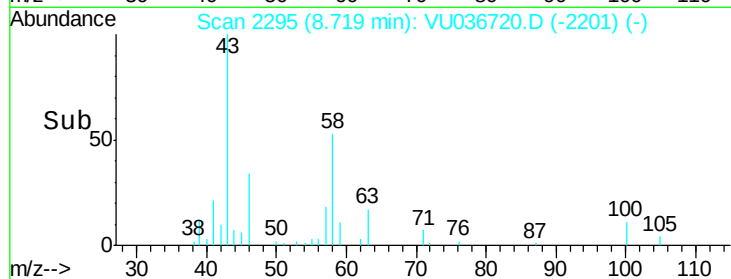
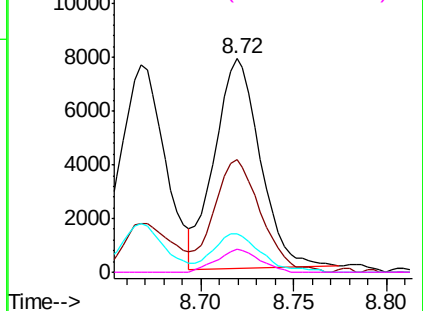
#48
2-Hexanone
Concen: 5.208 ug/L
RT: 8.72 min Scan# 2295
Delta R.T. 0.00 min
Lab File: VU036720.D
Acq: 11 Feb 2020 12:38

Instrument :
MSVOA_U
ClientSampleId :
MDL06

Tot Ion:	43	Resp:	13308
Ion	Ratio	Lower	Upper
43	100		
58	55.2	43.6	65.4
57	16.9	15.5	23.3
100	10.2	9.0	13.4

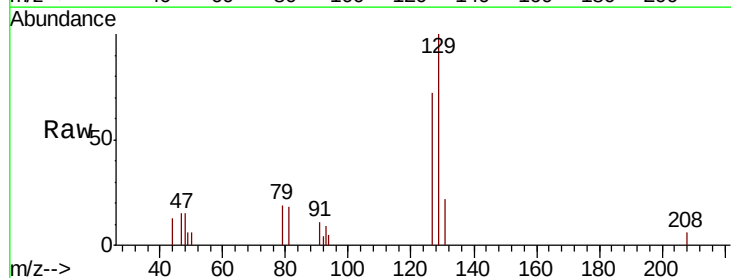


Abundance Ion 43.00 (42.70 to 43.70): VU036720.D (-2294) (-)
Ion 58.00 (57.70 to 58.70): VU036720.D (-2294) (-)
Ion 57.00 (56.70 to 57.70): VU036720.D (-2294) (-)
Ion 100.00 (99.70 to 100.70): VU036720.D (-2294) (-)

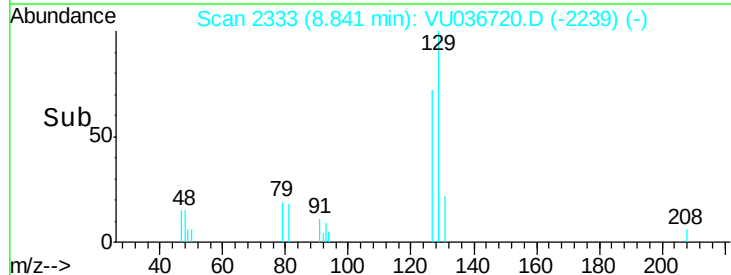
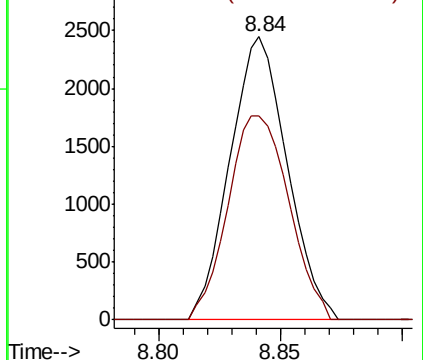


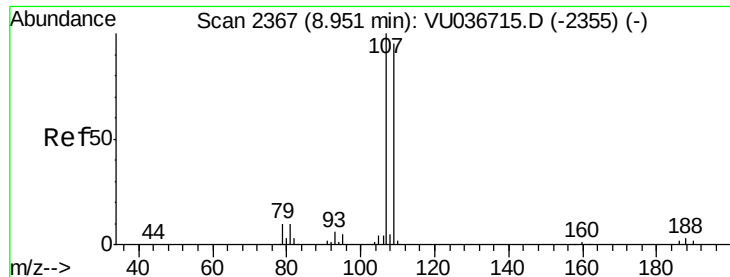
#49
Dibromochloromethane
Concen: 2.254 ug/L
RT: 8.84 min Scan# 2333
Delta R.T. 0.00 min
Lab File: VU036720.D
Acq: 11 Feb 2020 12:38

Tgt Ion:	129	Resp:	3987
Ion	Ratio	Lower	Upper
129	100		
127	72.0	53.6	99.6



Abundance Ion 129.00 (128.70 to 129.70): VU036720.D (-2332) (-)
Ion 127.00 (126.70 to 127.70): VU036720.D (-2332) (-)

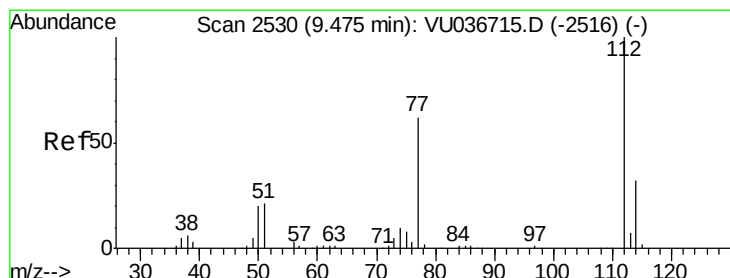
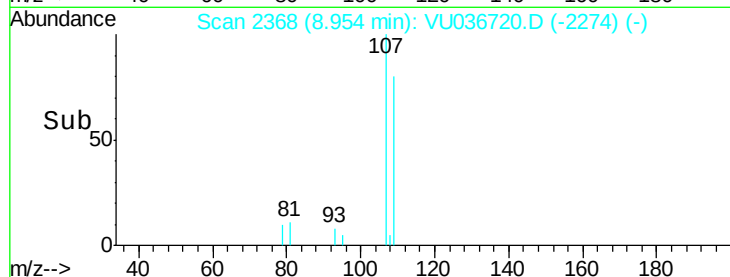
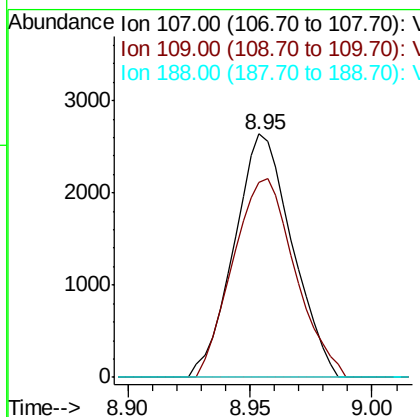
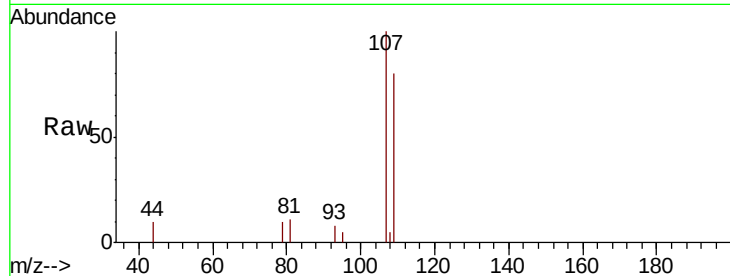




#50
 1,2-Dibromoethane
 Concen: 2.289 ug/L
 RT: 8.95 min Scan# 2367
 Delta R.T. 0.00 min
 Lab File: VU036720.D
 Acq: 11 Feb 2020 12:38

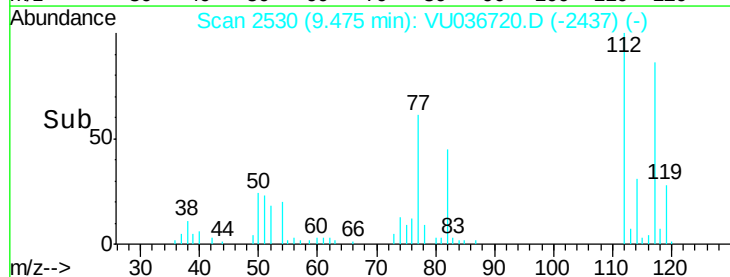
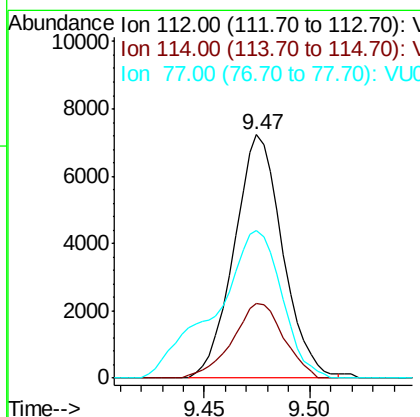
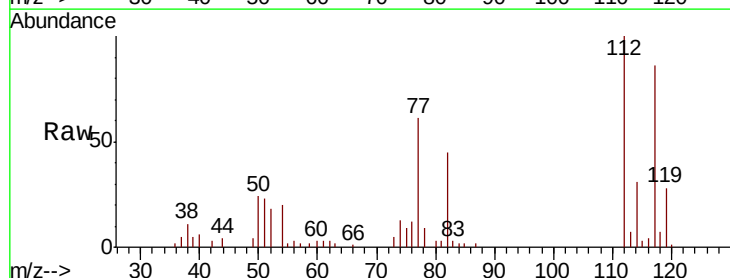
Instrument :
 MSVOA_U
 ClientSampled :
 MDL06

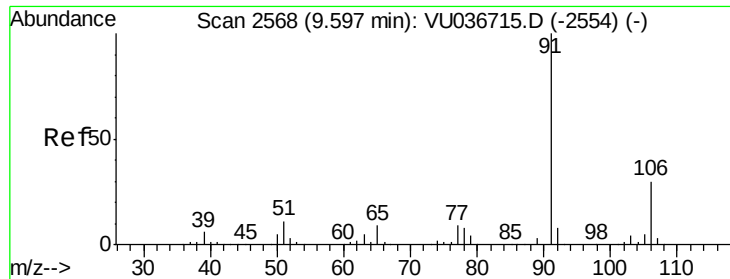
Tot Ion:107 Resp: 4350
 Ion Ratio Lower Upper
 107 100
 109 80.3 65.8 122.2
 188 0.0 2.5 3.7#



#51
 Chlorobenzene
 Concen: 2.415 ug/L
 RT: 9.47 min Scan# 2530
 Delta R.T. 0.00 min
 Lab File: VU036720.D
 Acq: 11 Feb 2020 12:38

Tgt Ion:112 Resp: 11553
 Ion Ratio Lower Upper
 112 100
 114 30.9 22.7 42.1
 77 60.8 50.6 75.8





#52

Ethylbenzene

Concen: 2.321 ug/L

RT: 9.60 min Scan# 2568

Delta R.T. 0.00 min

Lab File: VU036720.D

Acq: 11 Feb 2020 12:38

Instrument :

MSVOA_U

ClientSampleId :

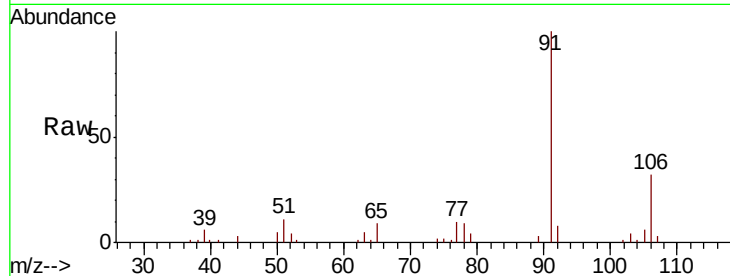
MDL06

Tot Ion: 91 Resp: 20263

Ion Ratio Lower Upper

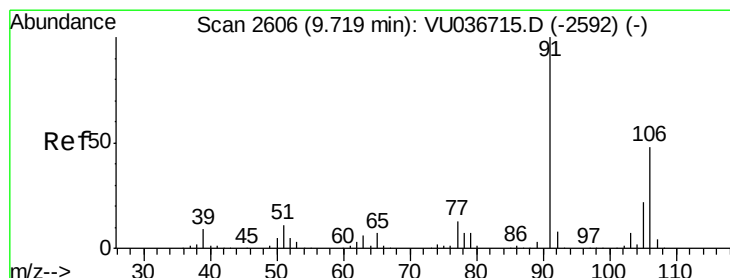
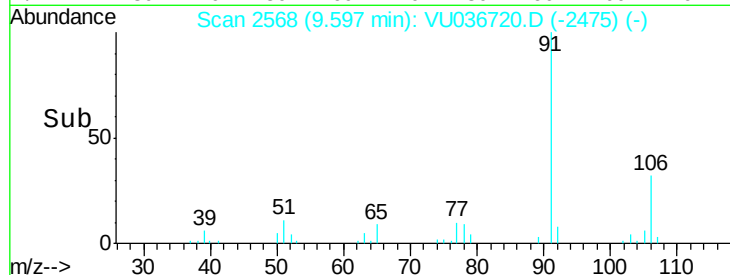
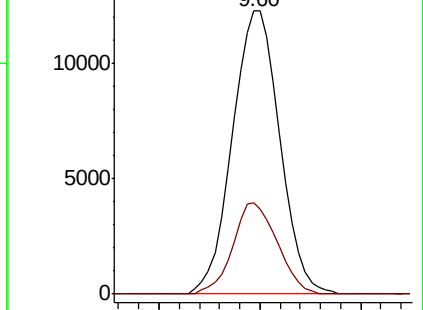
91 100

106 32.4 21.3 39.6



Abundance Ion 91.00 (90.70 to 91.70): VU036720.D (-2475) (-)

Ion 106.00 (105.70 to 106.70): VU036720.D (-2475) (-)



#53

m,p-Xylene

Concen: 2.311 ug/L

RT: 9.72 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VU036720.D

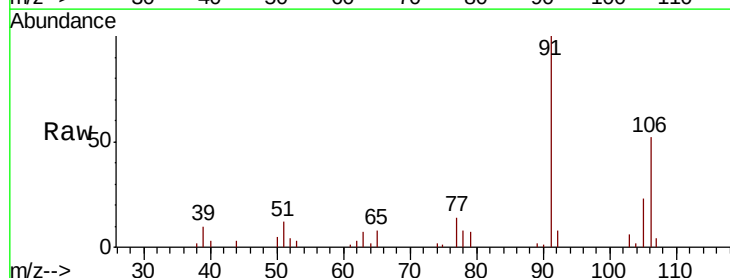
Acq: 11 Feb 2020 12:38

Tgt Ion: 106 Resp: 7441

Ion Ratio Lower Upper

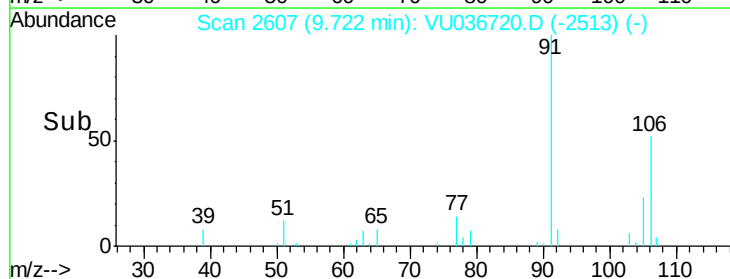
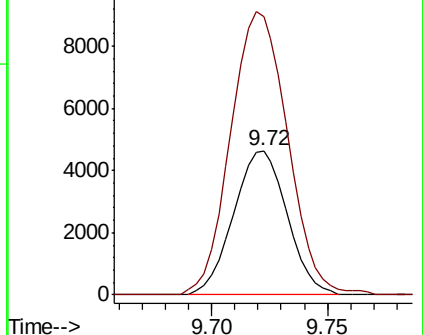
106 100

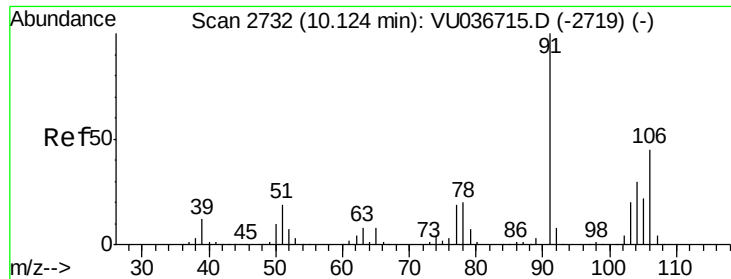
91 192.9 145.9 270.9



Abundance Ion 106.00 (105.70 to 106.70): VU036720.D (-2513) (-)

Ion 91.00 (90.70 to 91.70): VU036720.D (-2513) (-)





#54

o-xylene

Concen: 2.289 ug/L

RT: 10.13 min Scan# 2733

Delta R.T. 0.00 min

Lab File: VU036720.D

Acq: 11 Feb 2020 12:38

Instrument :

MSVOA_U

ClientSampled :

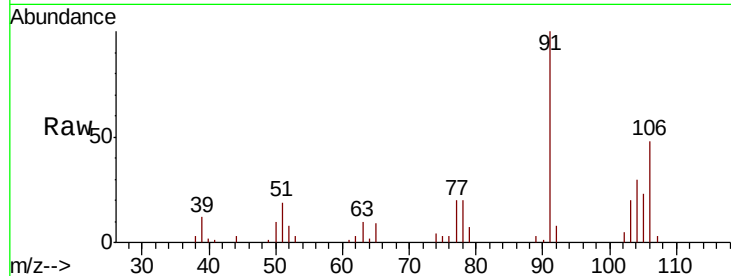
MDL06

Tot Ion:106 Resp: 7303

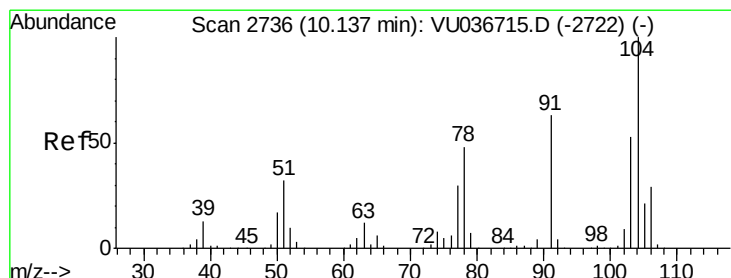
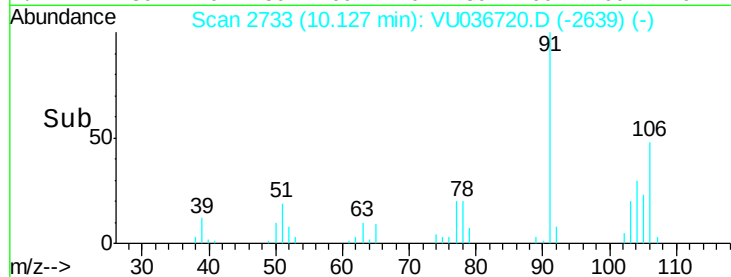
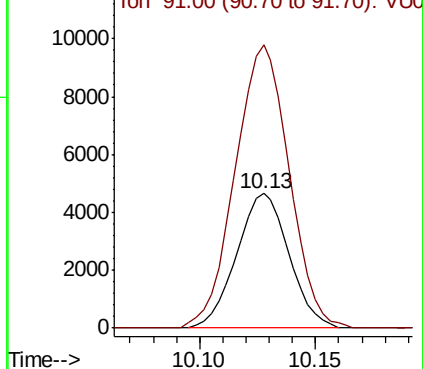
Ion Ratio Lower Upper

106 100

91 210.2 156.0 289.6



Abundance Ion 106.00 (105.70 to 106.70): V



#55

Styrene

Concen: 2.113 ug/L

RT: 10.14 min Scan# 2737

Delta R.T. 0.00 min

Lab File: VU036720.D

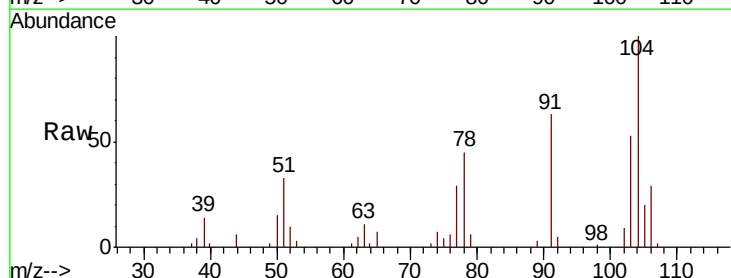
Acq: 11 Feb 2020 12:38

Tgt Ion:104 Resp: 11235

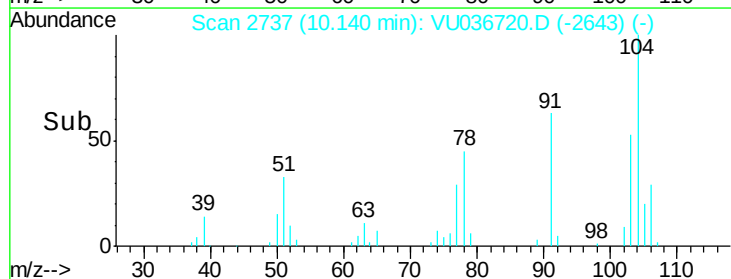
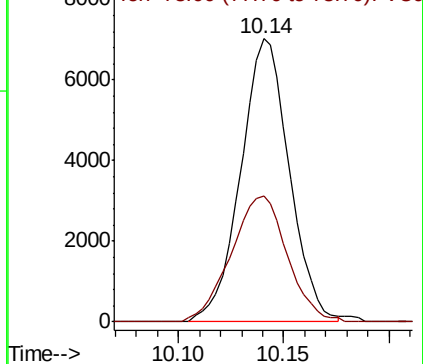
Ion Ratio Lower Upper

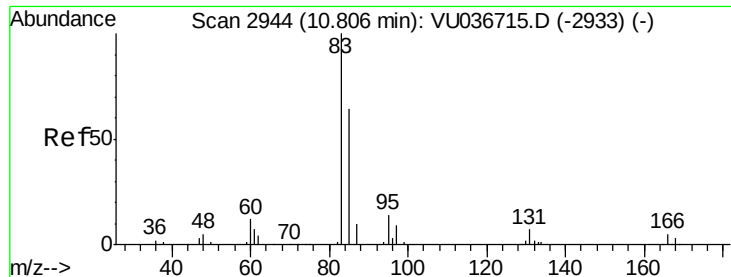
104 100

78 44.5 33.7 62.7



Abundance Ion 104.00 (103.70 to 104.70): V





#57

1,1,2,2-Tetrachloroethane

Concen: 2.436 ug/L

RT: 10.81 min Scan# 2944

Delta R.T. 0.00 min

Lab File: VU036720.D

Acq: 11 Feb 2020 12:38

Instrument :

MSVOA_U

ClientSampleId :

MDL06

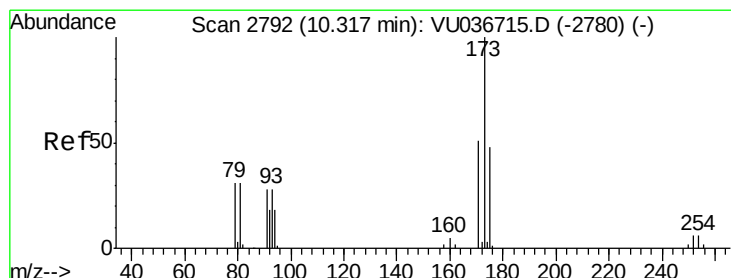
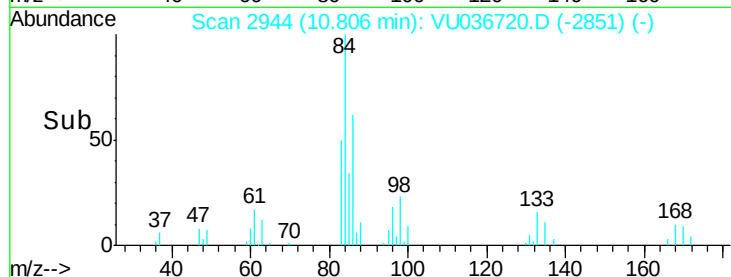
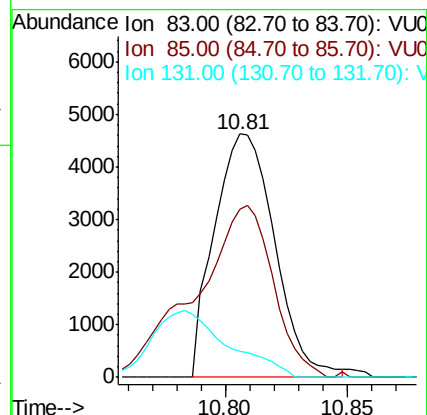
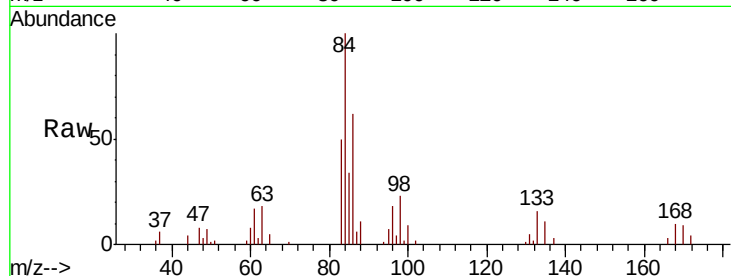
Tot Ion: 83 Resp: 7939

Ion Ratio Lower Upper

83 100

85 69.0 44.7 82.9

131 10.7 6.8 10.2#



#59

Bromoform

Concen: 2.285 ug/L

RT: 10.32 min Scan# 2792

Delta R.T. 0.00 min

Lab File: VU036720.D

Acq: 11 Feb 2020 12:38

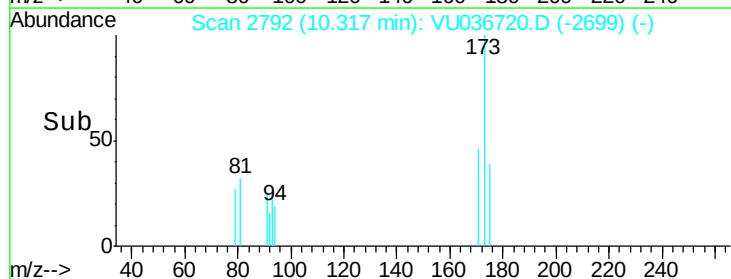
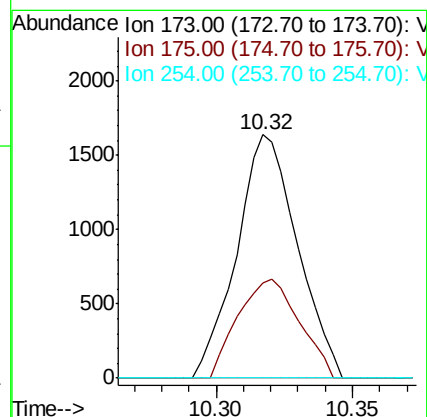
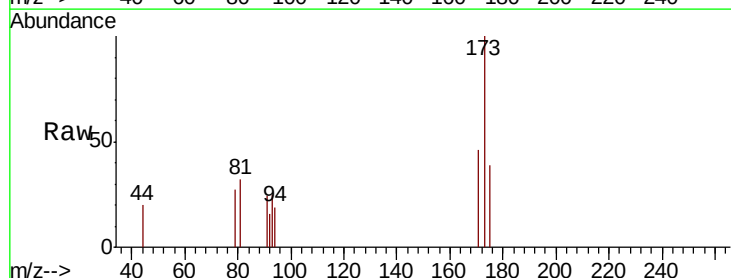
Tgt Ion: 173 Resp: 2527

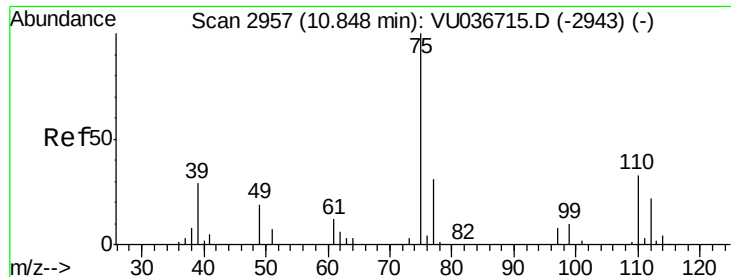
Ion Ratio Lower Upper

173 100

175 41.1 38.2 57.4

254 0.0 4.8 7.2#

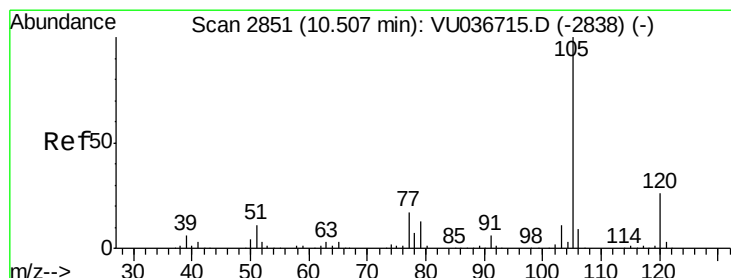
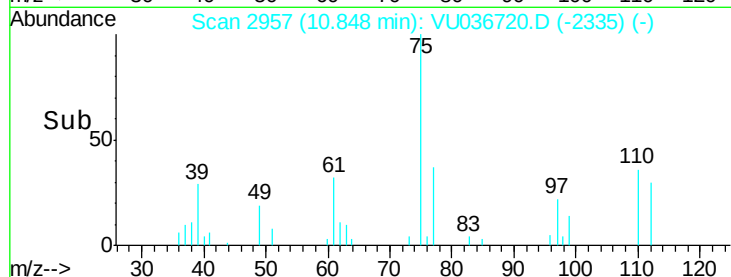
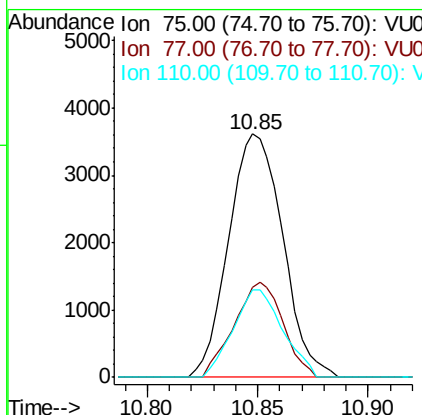
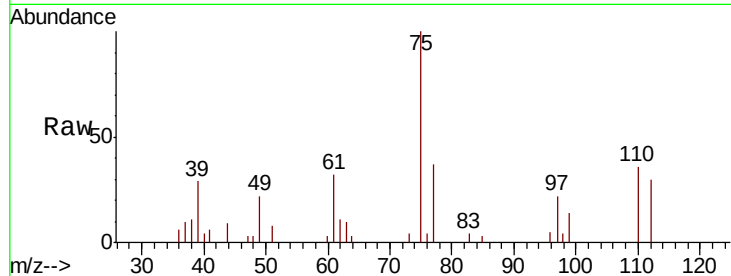




#60
 1,2,3-Trichloropropane
 Concen: 2.618 ug/L
 RT: 10.85 min Scan# 2957
 Delta R.T. 0.00 min
 Lab File: VU036720.D
 Acq: 11 Feb 2020 12:38

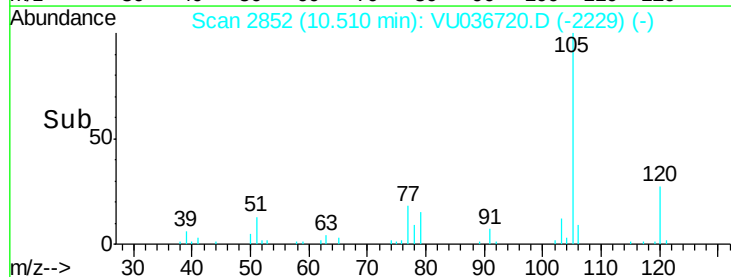
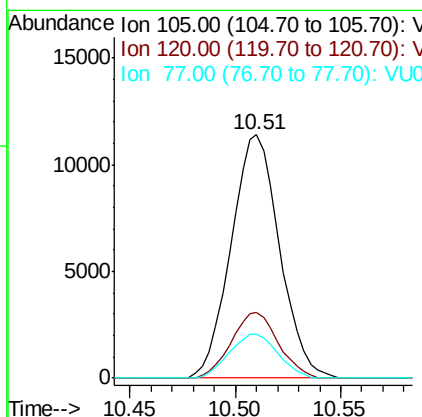
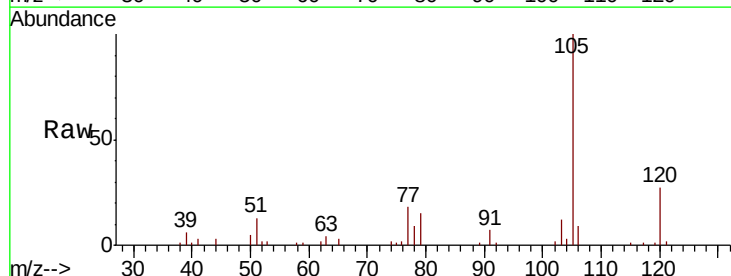
Instrument :
 MSVOA_U
 ClientSampleID :
 MDL06

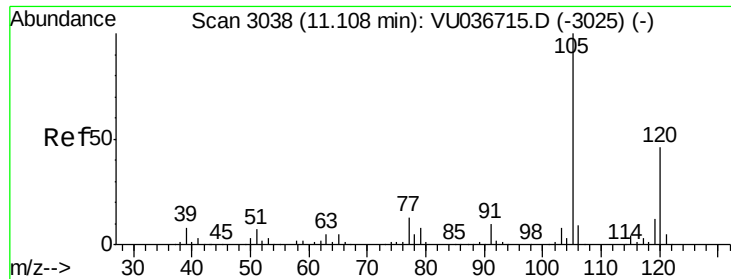
Tot Ion: 75 Resp: 6166
 Ion Ratio Lower Upper
 75 100
 77 35.2 26.1 39.1
 110 32.9 26.9 40.3



#61
 Isopropylbenzene
 Concen: 2.437 ug/L
 RT: 10.51 min Scan# 2852
 Delta R.T. 0.00 min
 Lab File: VU036720.D
 Acq: 11 Feb 2020 12:38

Tgt Ion: 105 Resp: 18165
 Ion Ratio Lower Upper
 105 100
 120 26.1 20.2 30.4
 77 18.1 13.0 19.6

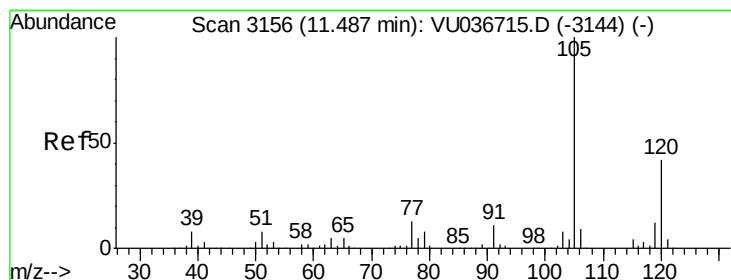
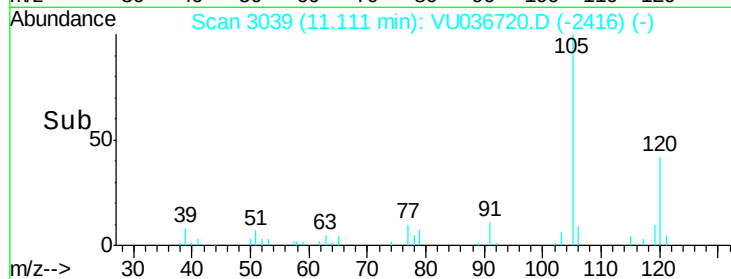
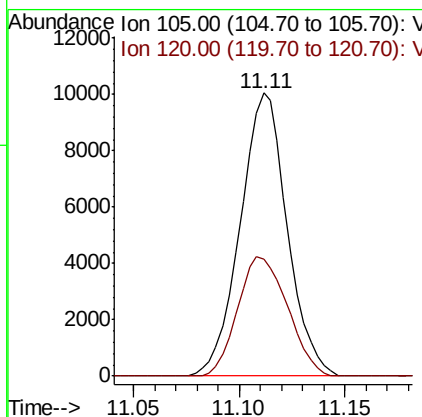
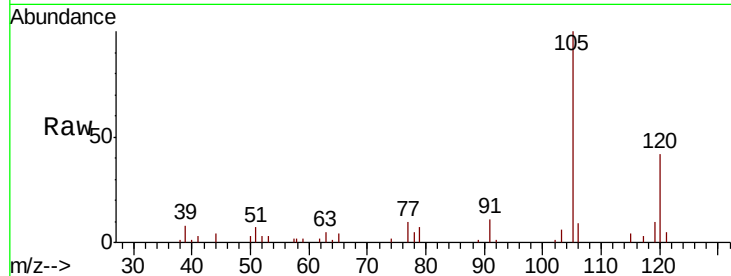




#62
 1,3,5-Trimethylbenzene
 Concen: 2.434 ug/L
 RT: 11.11 min Scan# 3039
 Delta R.T. 0.00 min
 Lab File: VU036720.D
 Acq: 11 Feb 2020 12:38

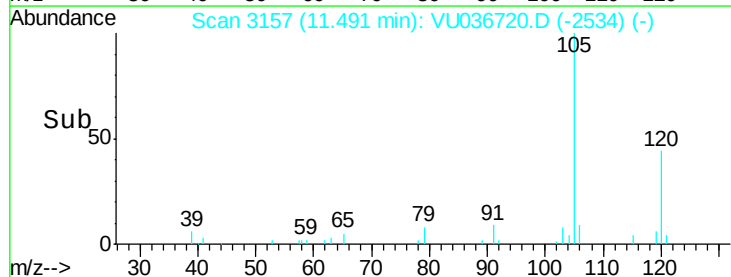
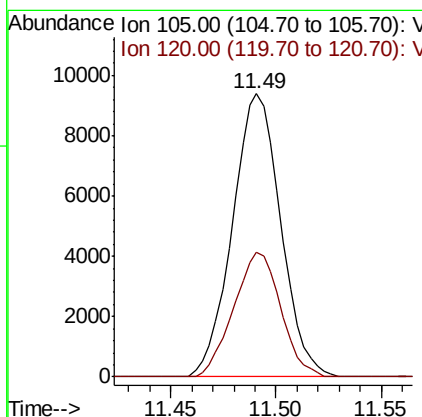
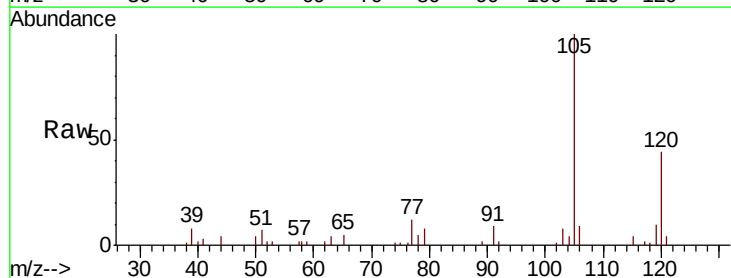
Instrument :
 MSVOA_U
 ClientSampleID :
 MDL06

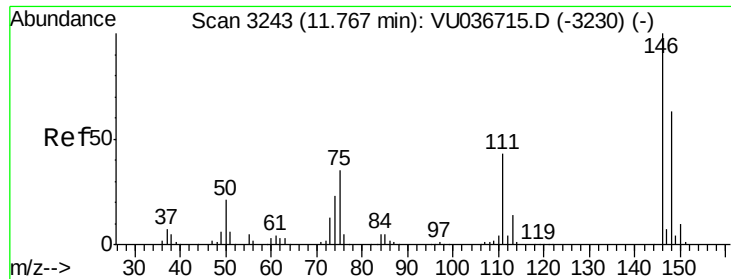
Tot Ion:105 Resp: 15554
 Ion Ratio Lower Upper
 105 100
 120 44.7 37.1 55.7



#63
 1,2,4-Trimethylbenzene
 Concen: 2.336 ug/L
 RT: 11.49 min Scan# 3157
 Delta R.T. 0.00 min
 Lab File: VU036720.D
 Acq: 11 Feb 2020 12:38

Tgt Ion:105 Resp: 14908
 Ion Ratio Lower Upper
 105 100
 120 43.0 34.7 52.1

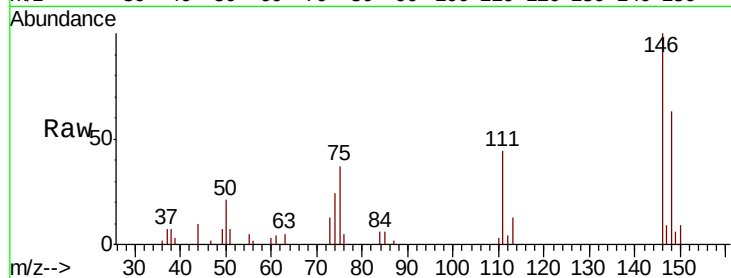




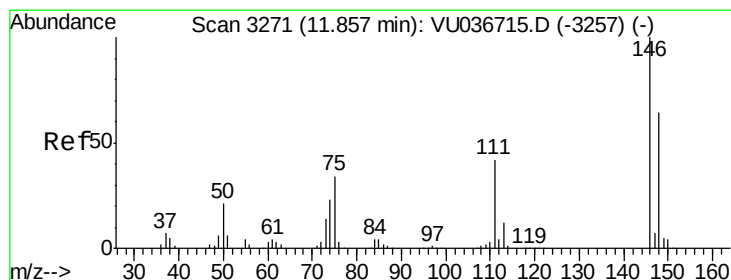
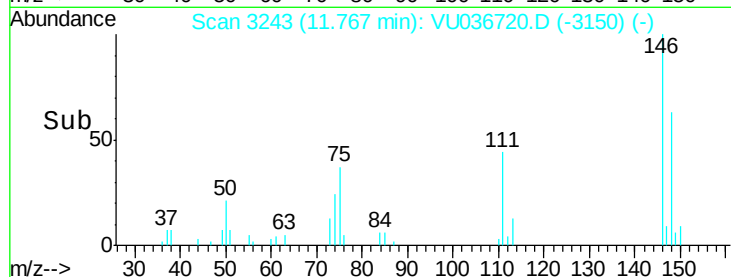
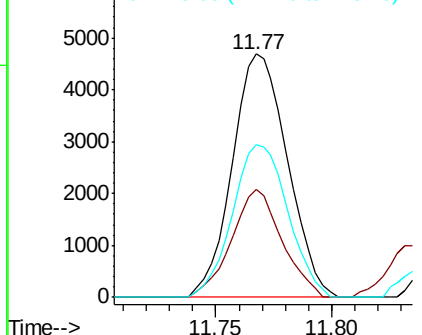
#64
 1,3-Dichlorobenzene
 Concen: 2.465 ug/L
 RT: 11.77 min Scan# 3243
 Delta R.T. 0.00 min
 Lab File: VU036720.D
 Acq: 11 Feb 2020 12:38

Instrument :
 MSVOA_U
 ClientSampleId :
 MDL06

Tot Ion:146 Resp: 7728
 Ion Ratio Lower Upper
 146 100
 111 44.3 30.4 56.4
 148 62.7 44.5 82.7

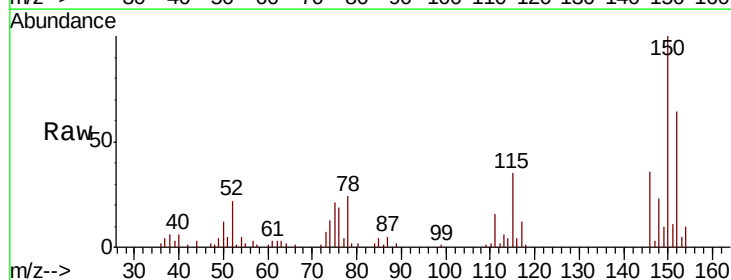


Abundance Ion 146.00 (145.70 to 146.70): V
 Ion 111.00 (110.70 to 111.70): V
 Ion 148.00 (147.70 to 148.70): V

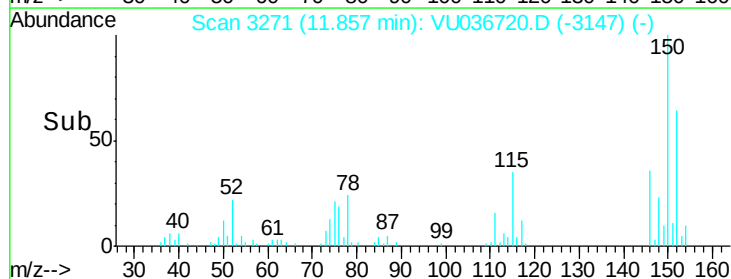
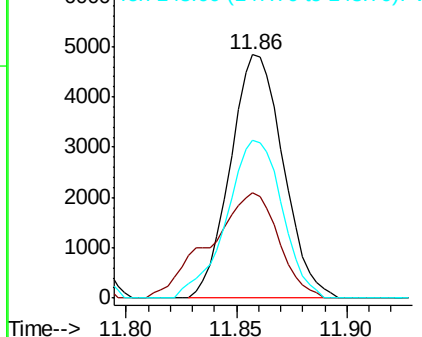


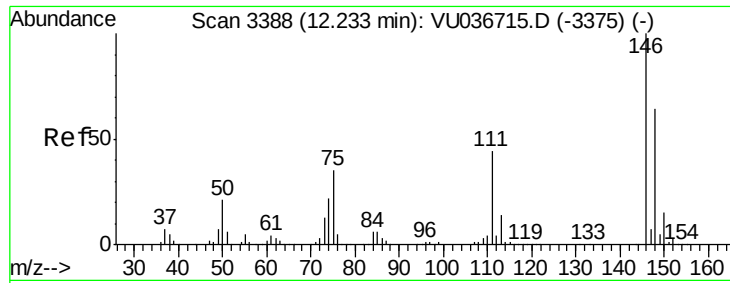
#65
 1,4-Dichlorobenzene
 Concen: 2.550 ug/L
 RT: 11.86 min Scan# 3271
 Delta R.T. 0.00 min
 Lab File: VU036720.D
 Acq: 11 Feb 2020 12:38

Tgt Ion:146 Resp: 8047
 Ion Ratio Lower Upper
 146 100
 111 43.3 29.3 54.3
 148 64.9 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

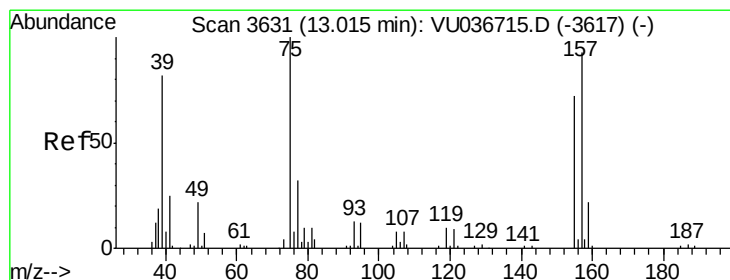
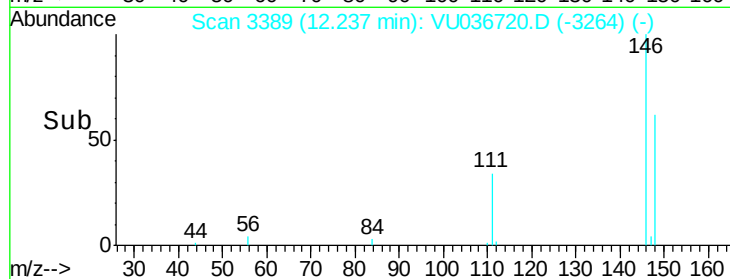
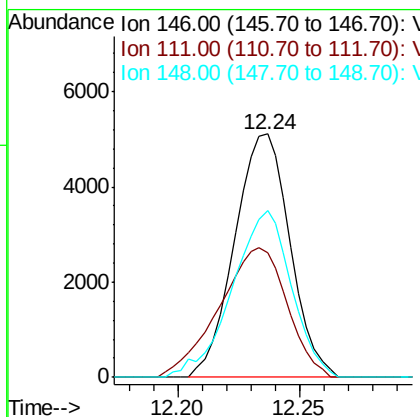
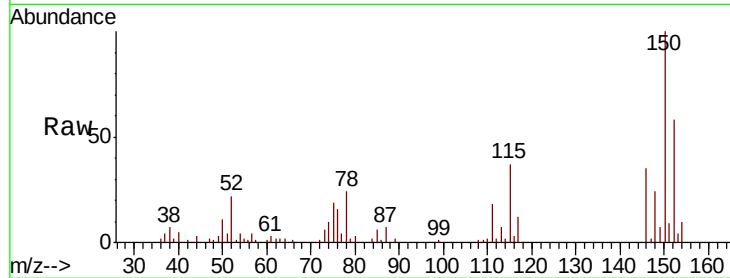




#67
 1,2-Dichlorobenzene
 Concen: 2.529 ug/L
 RT: 12.24 min Scan# 3389
 Delta R.T. 0.00 min
 Lab File: VU036720.D
 Acq: 11 Feb 2020 12:38

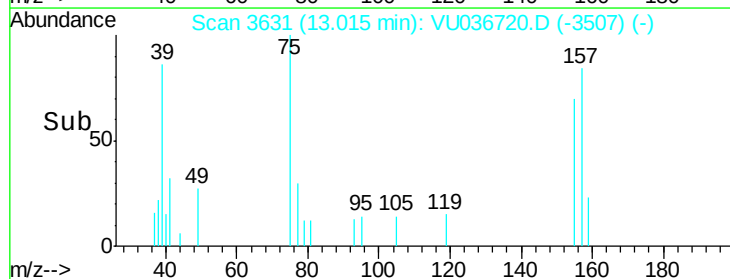
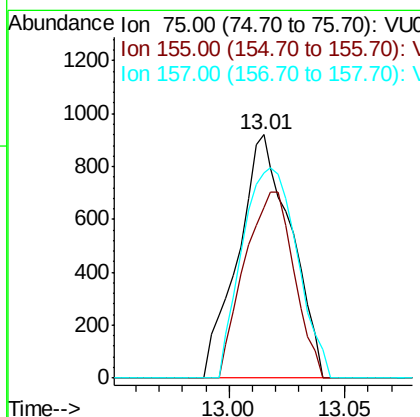
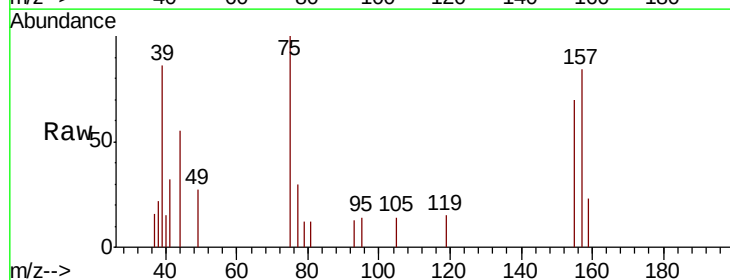
Instrument :
 MSVOA_U
 ClientSampleId :
 MDL06

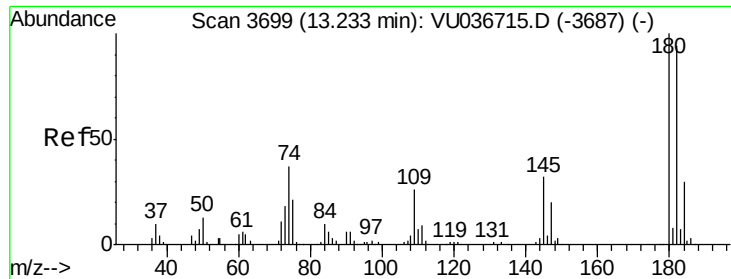
Tot Ion:146 Resp: 8028
 Ion Ratio Lower Upper
 146 100
 111 51.3 35.4 53.0
 148 68.4 50.4 75.6



#68
 1,2-Dibromo-3-chloropropane
 Concen: 2.175 ug/L
 RT: 13.01 min Scan# 3631
 Delta R.T. 0.00 min
 Lab File: VU036720.D
 Acq: 11 Feb 2020 12:38

Tgt Ion: 75 Resp: 1464
 Ion Ratio Lower Upper
 75 100
 155 69.8 58.7 88.1
 157 84.3 77.8 116.6

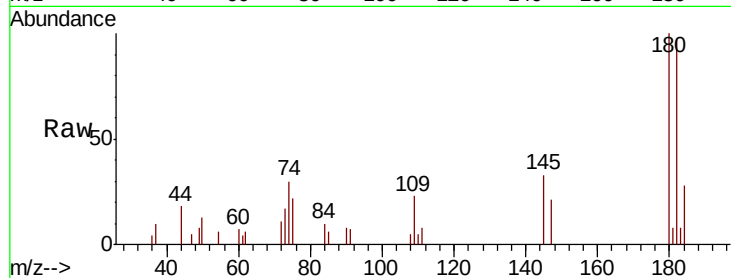




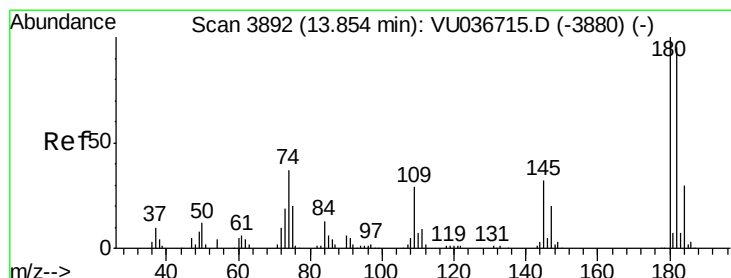
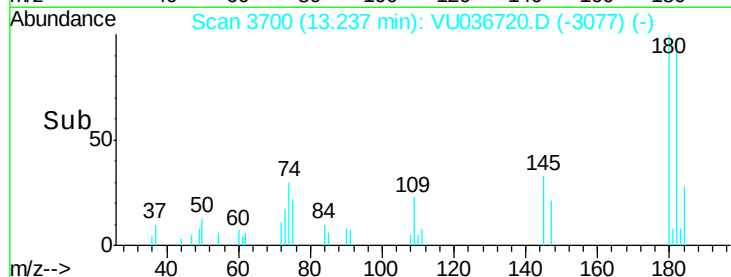
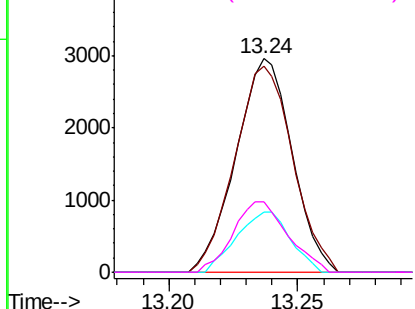
#69
 1,3,5-Trichlorobenzene
 Concen: 2.066 ug/L
 RT: 13.24 min Scan# 3700
 Delta R.T. 0.00 min
 Lab File: VU036720.D
 Acq: 11 Feb 2020 12:38

Instrument :
 MSVOA_U
 ClientSampleId :
 MDL06

Tot Ion:180 Resp: 4490
 Ion Ratio Lower Upper
 180 100
 182 99.4 76.2 114.4
 184 26.9 23.8 35.6
 145 32.1 25.0 37.6

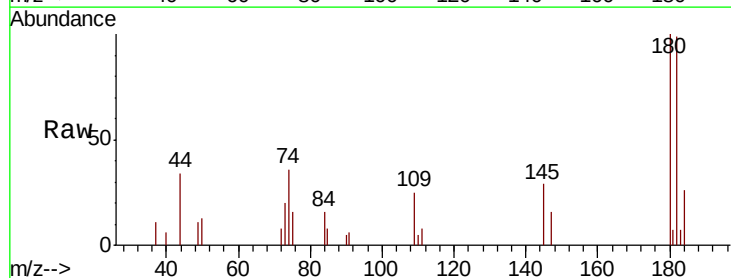


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

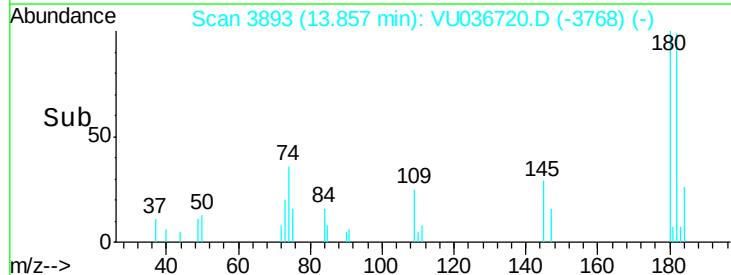
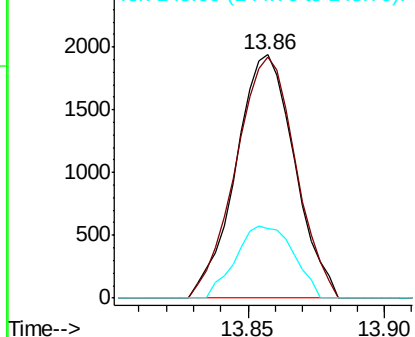


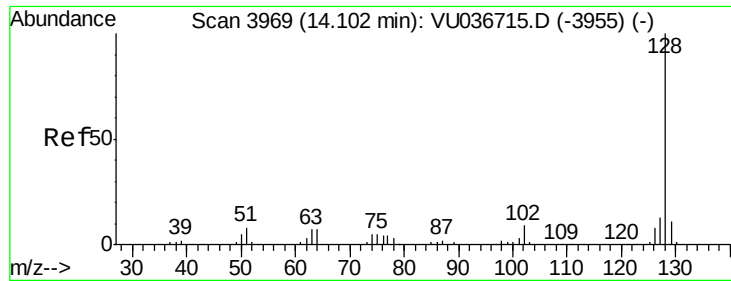
#70
 1,2,4-trichlorobenzene
 Concen: 1.598 ug/L
 RT: 13.86 min Scan# 3893
 Delta R.T. 0.00 min
 Lab File: VU036720.D
 Acq: 11 Feb 2020 12:38

Tgt Ion:180 Resp: 2896
 Ion Ratio Lower Upper
 180 100
 182 100.7 76.1 114.1
 145 29.1 25.7 38.5



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

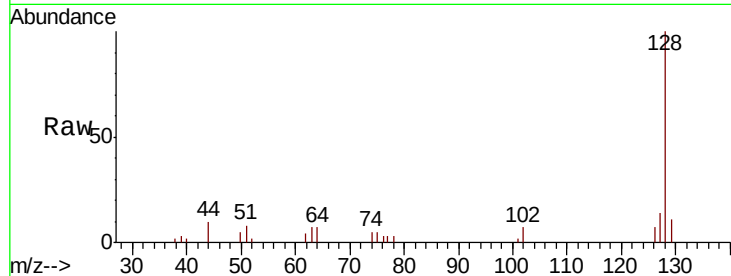




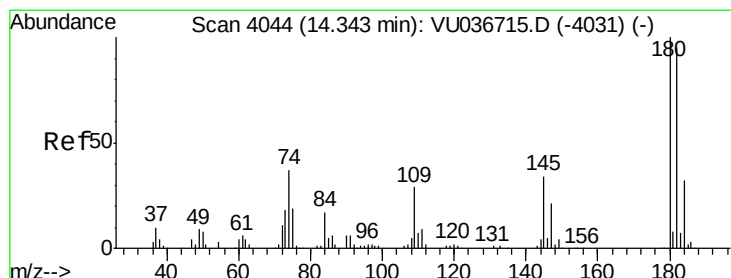
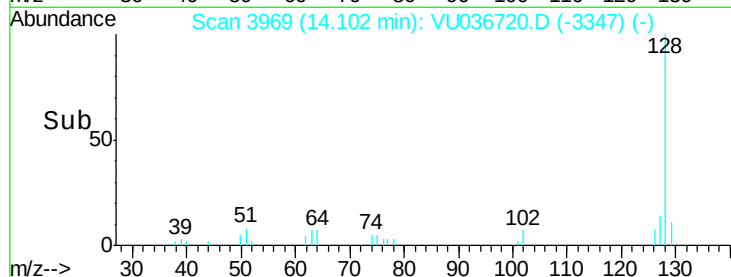
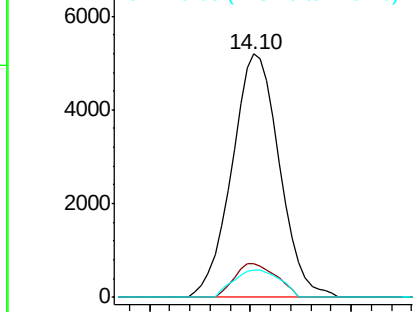
#71
Naphthalene
Concen: 1.341 ug/L
RT: 14.10 min Scan# 3969
Delta R.T. 0.00 min
Lab File: VU036720.D
Acq: 11 Feb 2020 12:38

Instrument :
MSVOA_U
ClientSampleId :
MDL06

Tot Ion:128 Resp: 8570
Ion Ratio Lower Upper
128 100
127 12.3 10.6 16.0
129 11.0 8.5 12.7

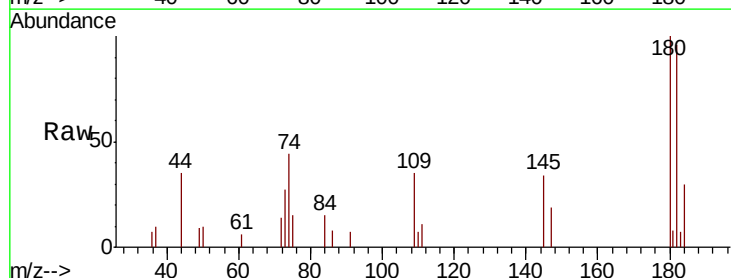


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#72
1,2,3-Trichlorobenzene
Concen: 1.547 ug/L
RT: 14.35 min Scan# 4045
Delta R.T. 0.00 min
Lab File: VU036720.D
Acq: 11 Feb 2020 12:38

Tgt Ion:180 Resp: 2793
Ion Ratio Lower Upper
180 100
182 90.4 76.8 115.2
145 35.1 27.5 41.3



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

