

Data File : VU036696.D
Acq On : 07 Feb 2020 12:27
Operator : JC/MD
Sample : MDL03
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
MDL03

Quant Time: Feb 07 22:39:30 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	261788	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.45	117	245713	50.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.83	152	104680	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	77312	44.28	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	88.56%
7) Chloroethane-d5	1.93	69	74395	45.96	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	91.92%
11) 1,1-Dichloroethene-d2	2.59	63	112777	34.21	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	68.42%
21) 2-Butanone-d5	4.68	46	113363	76.11	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	76.11%
24) Chloroform-d	5.11	84	136041	43.05	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	86.10%
26) 1,2-Dichloroethane-d4	5.75	65	102558	47.45	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.90%
32) Benzene-d6	5.77	84	312278	48.34	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	96.68%
36) 1,2-Dichloropropane-d6	6.73	67	104926	48.93	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	97.86%
41) Toluene-d8	7.93	98	282359	47.73	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	95.46%
43) trans-1,3-Dichloropropene-	8.21	79	47258	46.02	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	92.04%
47) 2-Hexanone-d5	8.67	63	124851	102.01	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	102.01%
56) 1,1,2,2-Tetrachloroethane-	10.78	84	152438	48.24	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	96.48%
66) 1,2-Dichlorobenzene-d4	12.21	152	94195	49.53	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	99.06%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.39	85	4664	2.579 ug/L	100
3) Chloromethane	1.54	50	5768	2.691 ug/L	99
5) Vinyl chloride	1.62	62	6450	2.795 ug/L #	63
6) Bromomethane	1.87	94	3645	2.519 ug/L	94
8) Chloroethane	1.95	64	4711	3.216 ug/L	86
9) Trichlorofluoromethane	2.16	101	7078	2.581 ug/L	97
10) 1,1,2-Trichloro-1,2,2-trif	2.60	101	5064	3.083 ug/L #	86
12) 1,1-Dichloroethene	2.61	96	5172	3.234 ug/L #	1
13) Acetone	2.66	43	11816	7.468 ug/L	93
14) Carbon disulfide	2.82	76	11926	2.496 ug/L	99
15) Methyl Acetate	2.99	43	5861	2.562 ug/L	98
16) Methylene chloride	3.08	84	5523	2.798 ug/L	94
17) trans-1,2-Dichloroethene	3.39	96	4486	2.637 ug/L	95
18) Methyl tert-butyl Ether	3.41	73	14915	2.526 ug/L	98
19) 1,1-Dichloroethane	3.92	63	8706	2.568 ug/L	96
20) cis-1,2-Dichloroethene	4.72	96	4899	2.527 ug/L	97
22) 2-Butanone	4.76	43	18075	9.625 ug/L	82

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	5.02	128	2399	2.641	ug/L	91
25) Chloroform	5.14	83	21436	6.501	ug/L	98
27) 1,2-Dichloroethane	5.84	62	7579	2.733	ug/L	97
29) Cyclohexane	5.43	56	8265	2.619	ug/L	98
30) 1,1,1-Trichloroethane	5.36	97	6406	2.454	ug/L #	74
31) Carbon tetrachloride	5.57	117	5297	2.506	ug/L	98
33) Benzene	5.82	78	19855	2.672	ug/L	100
34) Trichloroethene	6.58	95	4829	2.628	ug/L	97
35) Methylcyclohexane	6.80	83	7983	2.467	ug/L	97
37) 1,2-Dichloropropane	6.83	63	5398	2.694	ug/L #	88
38) Bromodichloromethane	7.14	83	6231	2.559	ug/L	99
39) cis-1,3-Dichloropropene	7.64	75	8185	2.556	ug/L	100
40) 4-Methyl-2-pentanone	7.83	43	16493	5.209	ug/L	99
42) Toluene	8.00	91	20923	2.605	ug/L	96
44) trans-1,3-Dichloropropene	8.24	75	8897	3.181	ug/L	94
45) 1,1,2-Trichloroethane	8.43	97	4508	2.466	ug/L	97
46) Tetrachloroethene	8.58	164	3840	2.978	ug/L	92
48) 2-Hexanone	8.72	43	14461	5.599	ug/L	97
49) Dibromochloromethane	8.84	129	4113	2.300	ug/L	86
50) 1,2-Dibromoethane	8.95	107	4495	2.340	ug/L #	98
51) Chlorobenzene	9.47	112	12765	2.640	ug/L	99
52) Ethylbenzene	9.60	91	21684	2.457	ug/L	96
53) m,p-Xylene	9.72	106	8100	2.488	ug/L	93
54) o-xylene	10.13	106	7714	2.392	ug/L	95
55) Styrene	10.14	104	12091	2.250	ug/L	97
57) 1,1,2,2-Tetrachloroethane	10.81	83	8879	2.695	ug/L	99
59) Bromoform	10.32	173	2832	2.449	ug/L #	94
60) 1,2,3-Trichloropropane	10.85	75	6895	2.800	ug/L	99
61) Isopropylbenzene	10.51	105	20328	2.608	ug/L	99
62) 1,3,5-Trimethylbenzene	11.11	105	16896	2.528	ug/L	95
63) 1,2,4-Trimethylbenzene	11.49	105	16440	2.464	ug/L	99
64) 1,3-Dichlorobenzene	11.77	146	8474	2.585	ug/L	98
65) 1,4-Dichlorobenzene	11.86	146	8694	2.634	ug/L	97
67) 1,2-Dichlorobenzene	12.24	146	8965	2.701	ug/L	98
68) 1,2-Dibromo-3-chloropropan	13.02	75	1669	2.372	ug/L	91
69) 1,3,5-Trichlorobenzene	13.24	180	5054	2.223	ug/L	99
70) 1,2,4-trichlorobenzene	13.85	180	3480	1.836	ug/L	95
71) Naphthalene	14.10	128	10769	1.612	ug/L	99
72) 1,2,3-Trichlorobenzene	14.34	180	3452	1.828	ug/L	94

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

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MSVOA_U
ClientSampleId :
MDL03

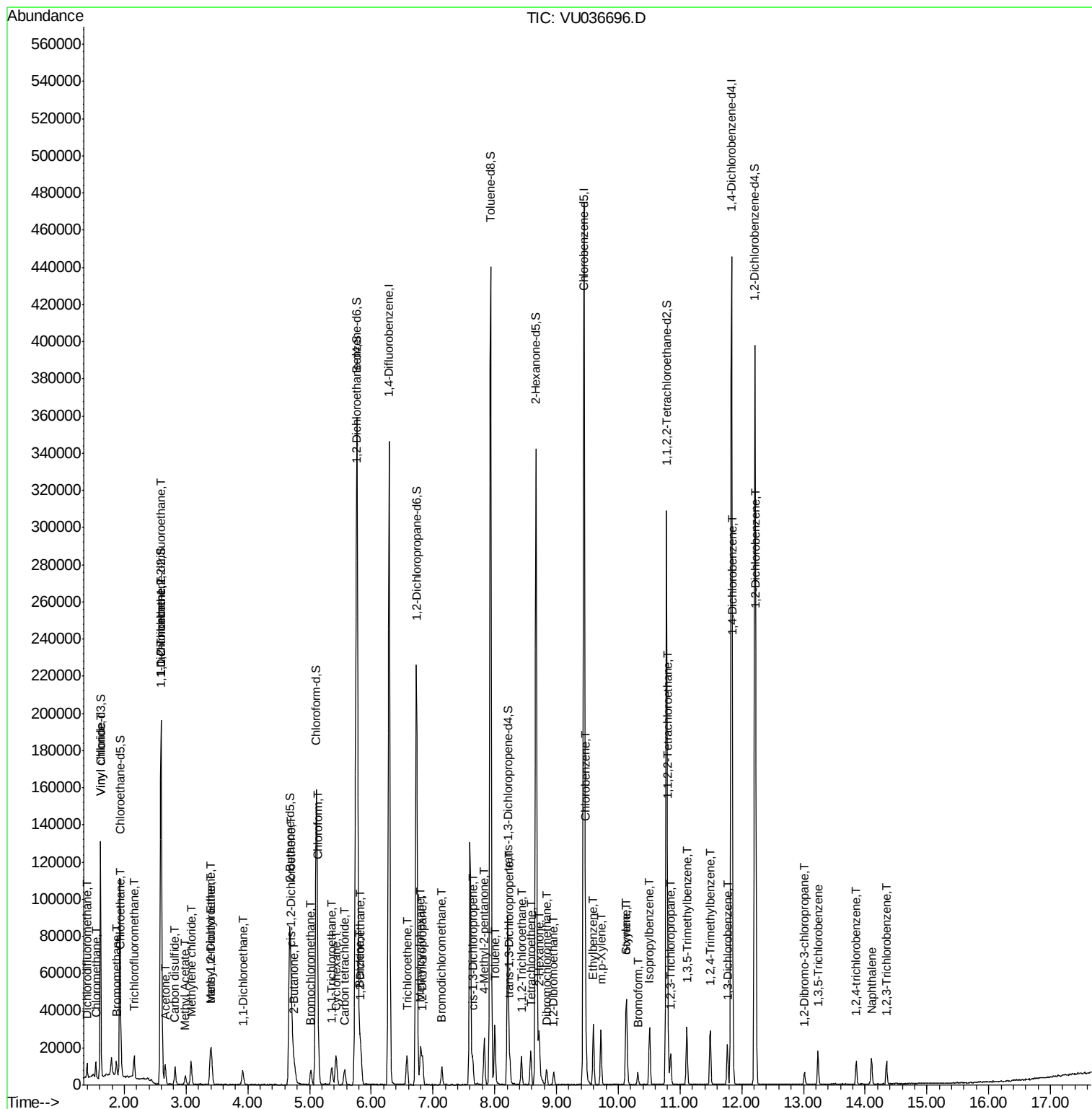
Quant Time: Feb 07 22:39:30 2020

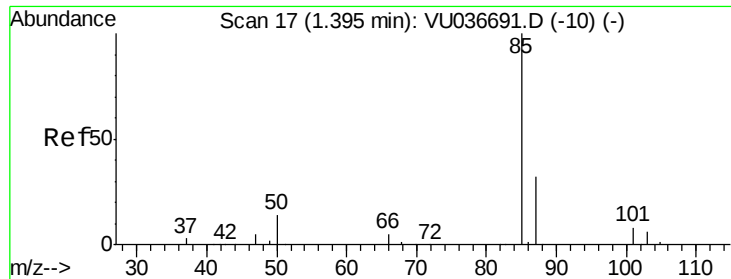
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SFAMULM020620W.M

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Response via : Initial Calibration





#2

Dichlorodifluoromethane

Concen: 2.579 ug/L

RT: 1.39 min Scan# 17

Delta R.T. 0.00 min

Lab File: VU036696.D

Acq: 07 Feb 2020 12:27

Instrument :

MSVOA_U

ClientSampleId :

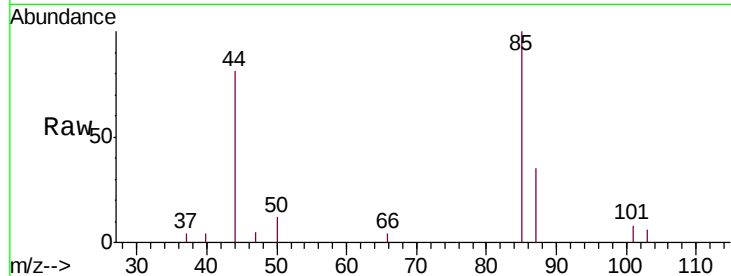
MDL03

Tgt Ion: 85 Resp: 4664

Ion Ratio Lower Upper

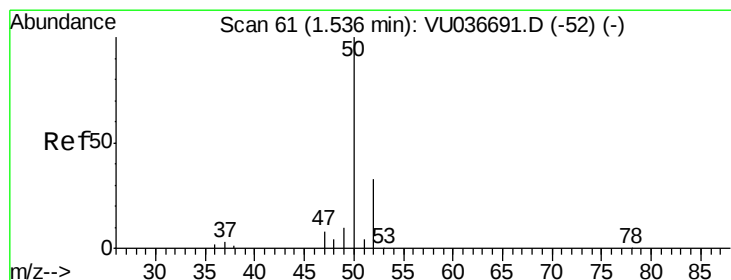
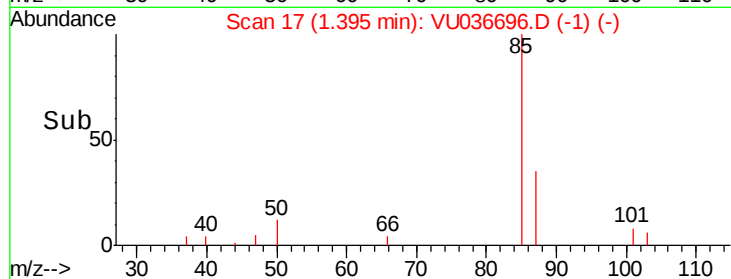
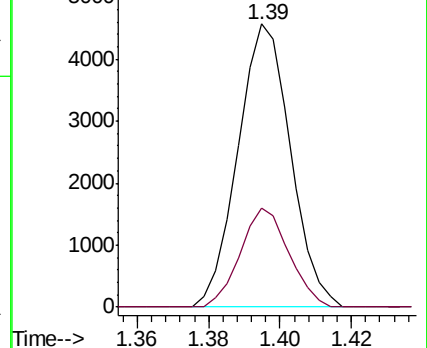
85 100

87 32.2 25.9 38.9



Abundance Ion 85.00 (84.70 to 85.70): VU036696.D (-10) (-)

Ion 87.00 (86.70 to 87.70): VU036696.D (-10) (-)



#3

Chloromethane

Concen: 2.691 ug/L

RT: 1.54 min Scan# 62

Delta R.T. 0.00 min

Lab File: VU036696.D

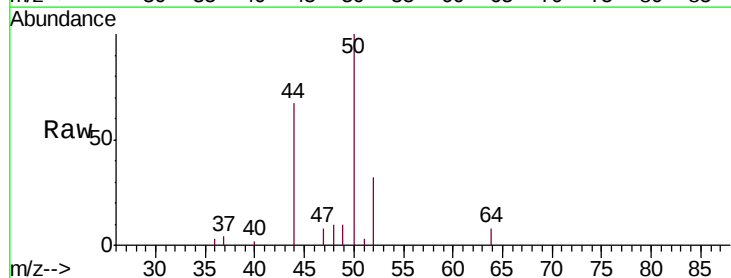
Acq: 07 Feb 2020 12:27

Tgt Ion: 50 Resp: 5768

Ion Ratio Lower Upper

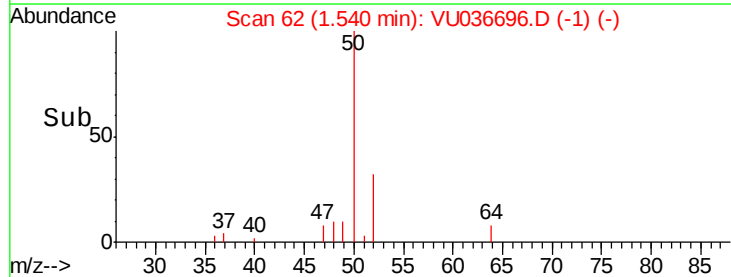
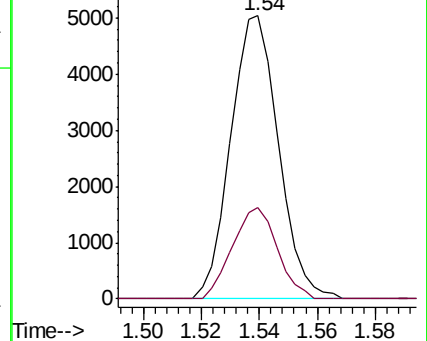
50 100

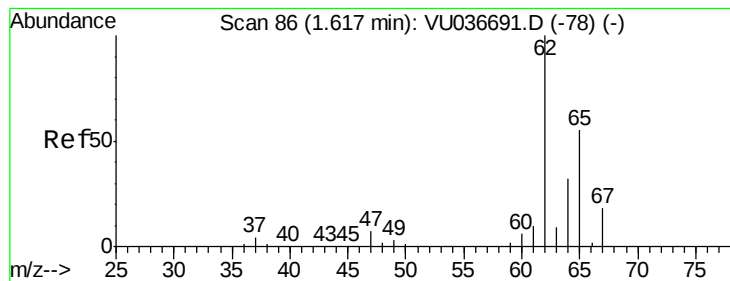
52 32.4 22.9 42.5



Abundance Ion 50.00 (49.70 to 50.70): VU036696.D (-52) (-)

Ion 52.00 (51.70 to 52.70): VU036696.D (-52) (-)





#5

Vinyl chloride

Concen: 2.795 ug/L

RT: 1.62 min Scan# 87

Delta R.T. 0.00 min

Lab File: VU036696.D

Acq: 07 Feb 2020 12:27

Instrument :

MSVOA_U

ClientSampled :

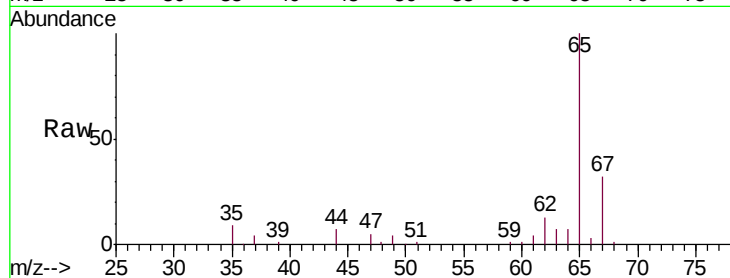
MDL03

Tgt Ion: 62 Resp: 6450

Ion Ratio Lower Upper

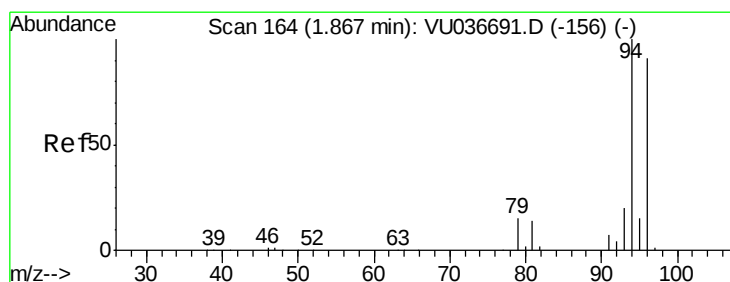
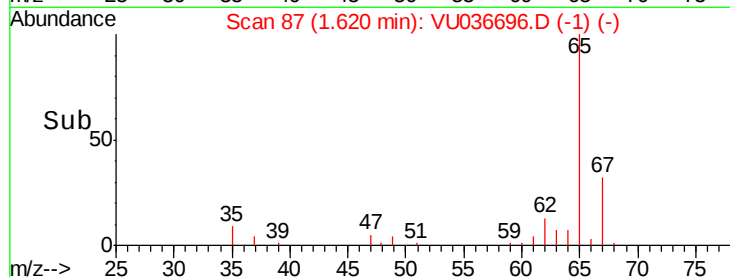
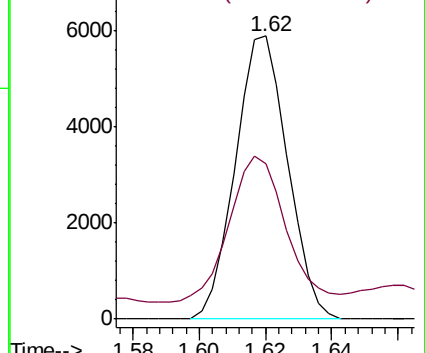
62 100

64 54.8 23.4 43.6#



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 64.00 (63.70 to 64.70): VU0



#6

Bromomethane

Concen: 2.519 ug/L

RT: 1.87 min Scan# 166

Delta R.T. 0.01 min

Lab File: VU036696.D

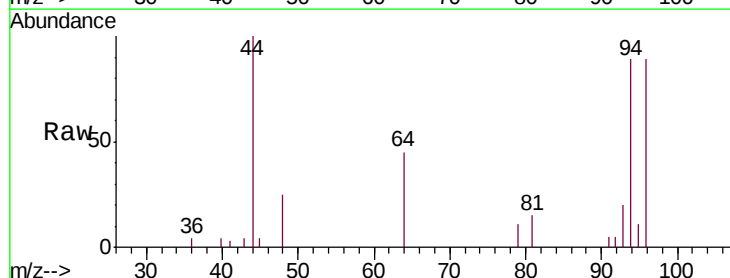
Acq: 07 Feb 2020 12:27

Tgt Ion: 94 Resp: 3645

Ion Ratio Lower Upper

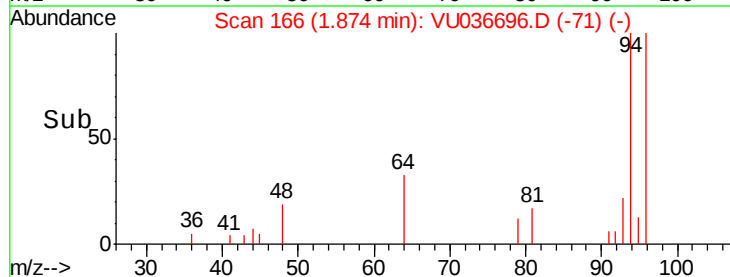
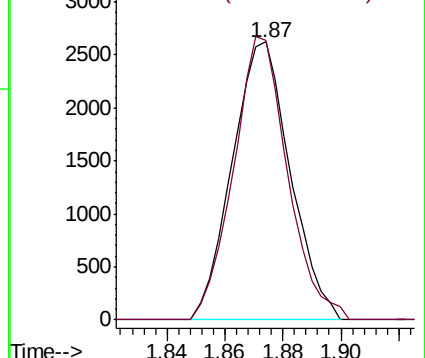
94 100

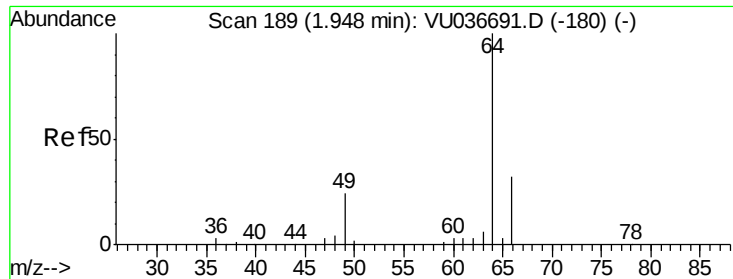
96 100.3 66.3 123.1



Abundance Ion 94.00 (93.70 to 94.70): VU0

Ion 96.00 (95.70 to 96.70): VU0

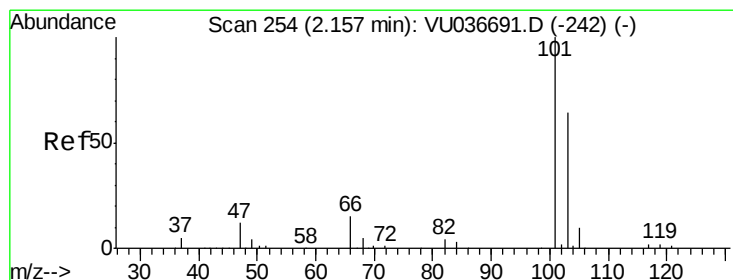
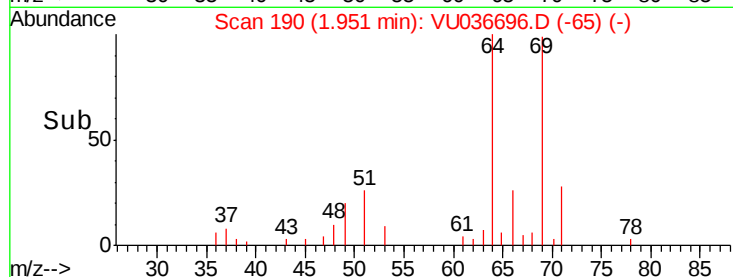
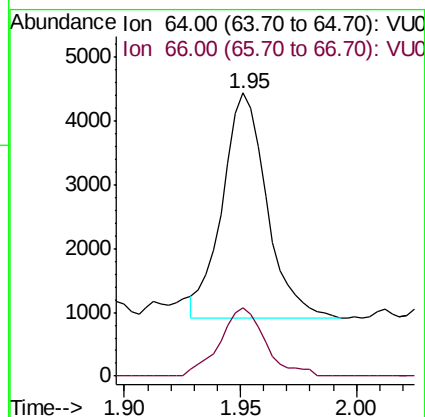
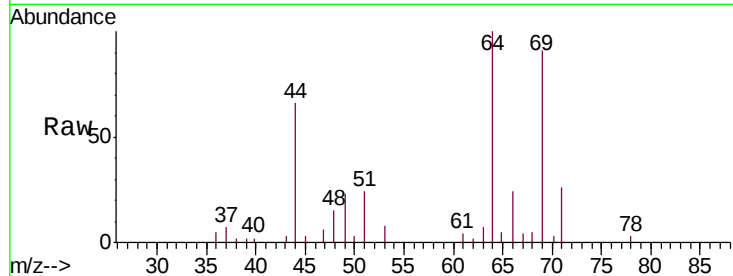




#8
Chloroethane
Concen: 3.216 ug/L
RT: 1.95 min Scan# 190
Delta R.T. 0.00 min
Lab File: VU036696.D
Acq: 07 Feb 2020 12:27

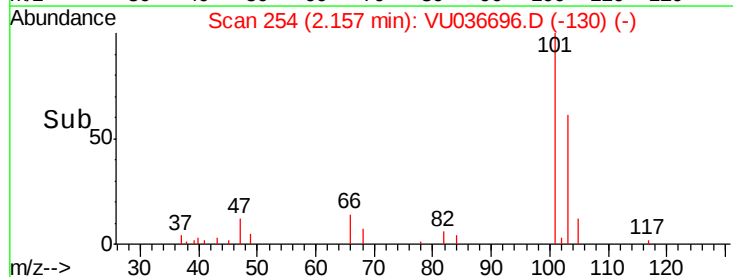
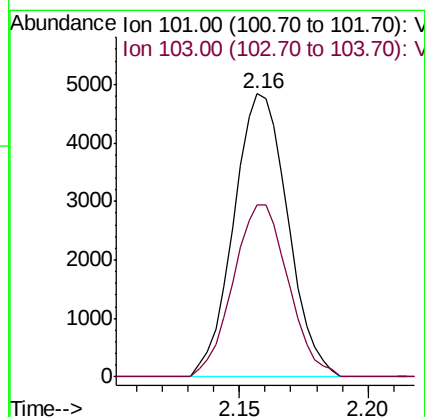
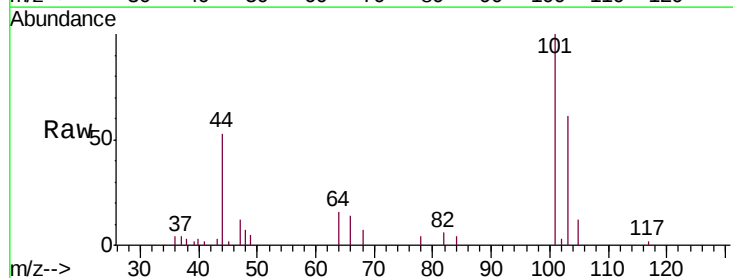
Instrument :
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ClientSampleId :
MDL03

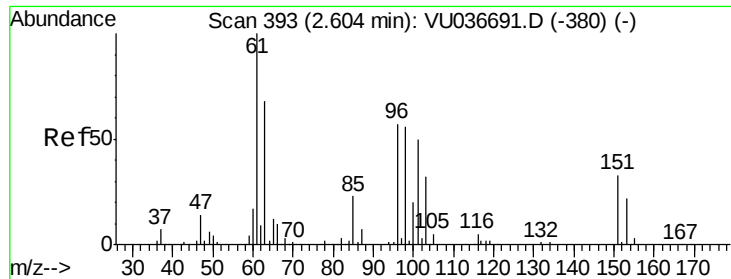
Tgt Ion: 64 Resp: 4711
Ion Ratio Lower Upper
64 100
66 24.0 22.1 41.1



#9
Trichlorofluoromethane
Concen: 2.581 ug/L
RT: 2.16 min Scan# 254
Delta R.T. 0.00 min
Lab File: VU036696.D
Acq: 07 Feb 2020 12:27

Tgt Ion: 101 Resp: 7078
Ion Ratio Lower Upper
101 100
103 62.2 51.6 77.4





#10

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

Concen: 3.083 ug/L

RT: 2.60 min Scan# 393

Delta R.T. 0.00 min

Lab File: VU036696.D

Acq: 07 Feb 2020 12:27

Instrument :

MSVOA_U

ClientSampled :

MDL03

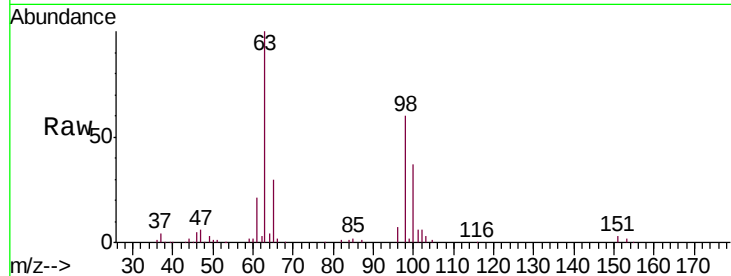
Tgt Ion:101 Resp: 5064

Ion Ratio Lower Upper

101 100

85 36.4 36.5 54.7#

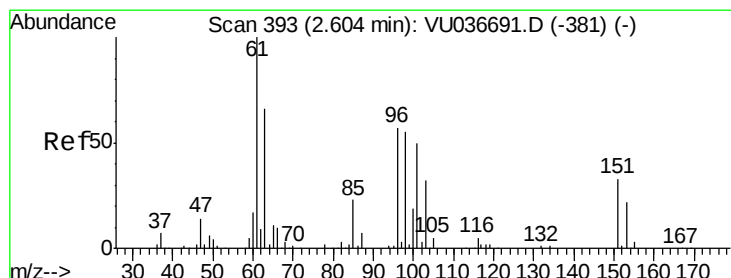
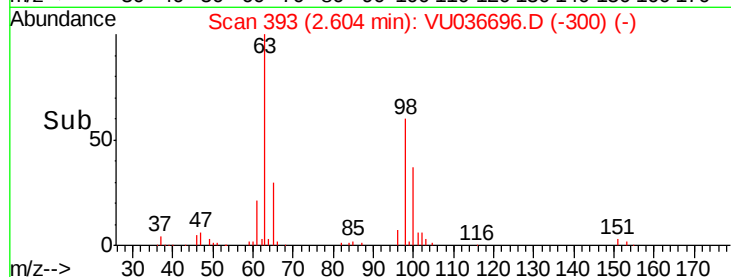
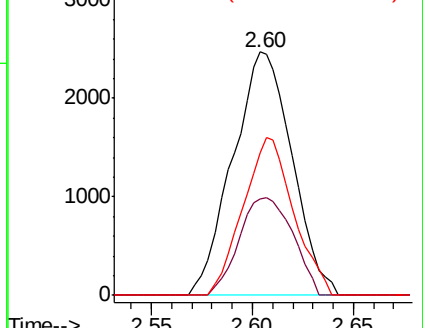
151 55.3 52.6 78.8



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: 3.234 ug/L

RT: 2.61 min Scan# 394

Delta R.T. 0.00 min

Lab File: VU036696.D

Acq: 07 Feb 2020 12:27

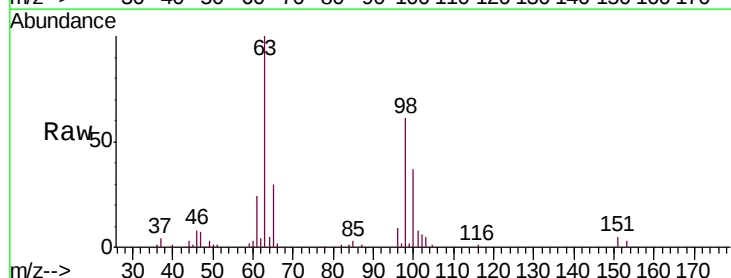
Tgt Ion: 96 Resp: 5172

Ion Ratio Lower Upper

96 100

61 259.4 124.4 231.0#

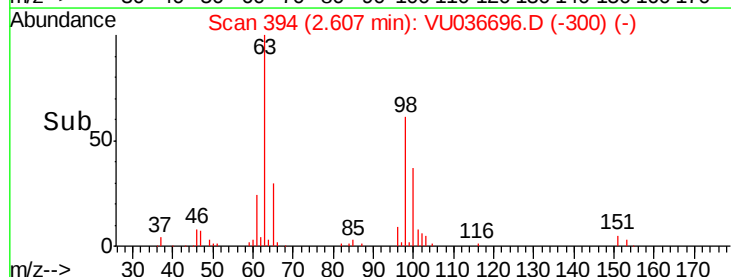
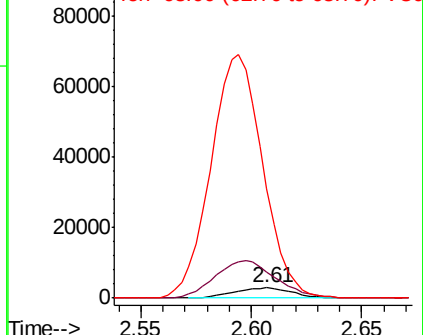
63 1082.9 83.4 155.0#

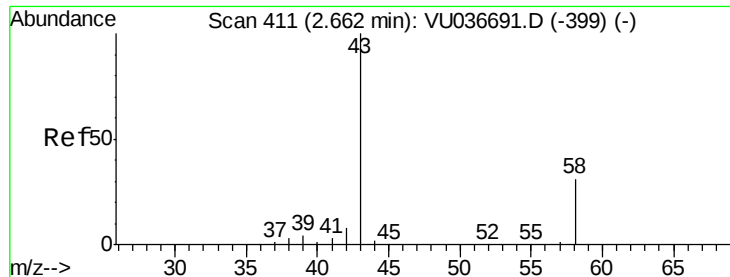


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 7.468 ug/L

RT: 2.66 min Scan# 410

Delta R.T. -0.00 min

Lab File: VU036696.D

Acq: 07 Feb 2020 12:27

Instrument :

MSVOA_U

ClientSampleId :

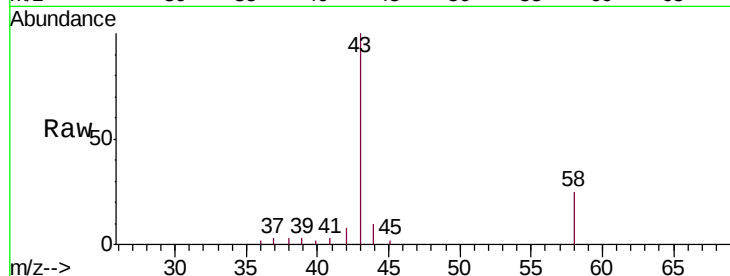
MDL03

Tgt Ion: 43 Resp: 11816

Ion Ratio Lower Upper

43 100

58 28.3 0.0 64.0



Abundance Ion 43.00 (42.70 to 43.70): VU036696.D (-399) (-)

Ion 58.00 (57.70 to 58.70): VU036696.D (-399) (-)

8000

6000

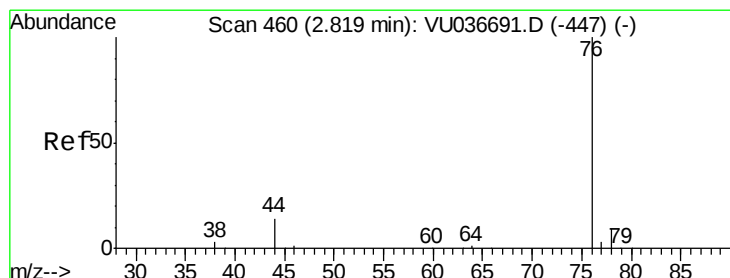
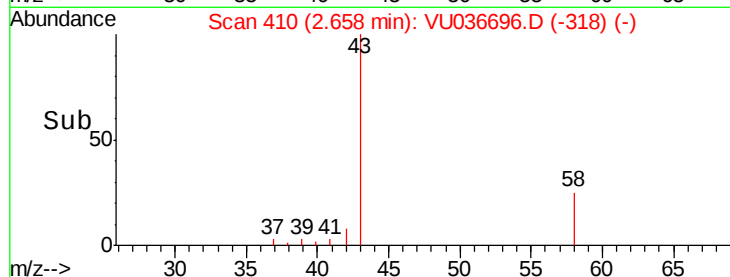
4000

2000

0

2.60 2.65 2.70

Time-->



#14

Carbon disulfide

Concen: 2.496 ug/L

RT: 2.82 min Scan# 461

Delta R.T. 0.00 min

Lab File: VU036696.D

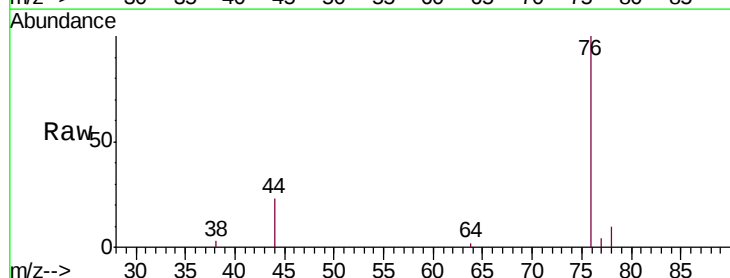
Acq: 07 Feb 2020 12:27

Tgt Ion: 76 Resp: 11926

Ion Ratio Lower Upper

76 100

78 9.6 7.3 10.9



Abundance Ion 76.00 (75.70 to 76.70): VU036696.D (-367) (-)

Ion 78.00 (77.70 to 78.70): VU036696.D (-367) (-)

8000

6000

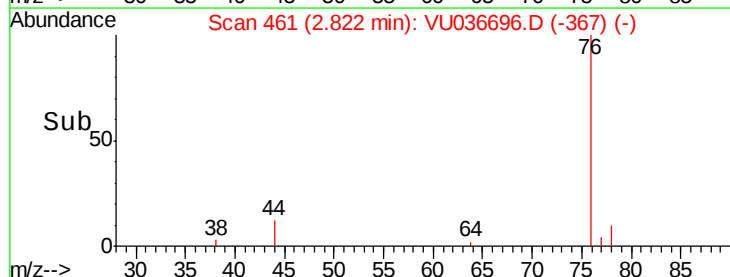
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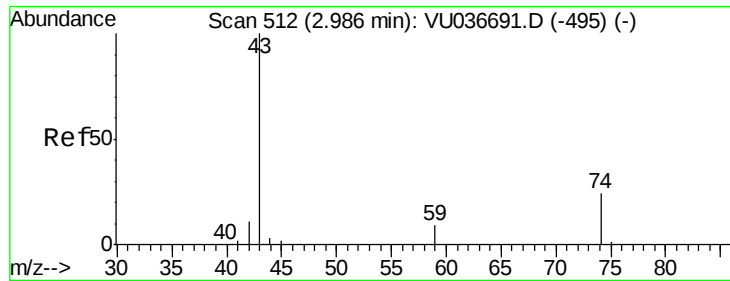
2000

0

2.80 2.85

Time-->





#15

Methyl Acetate

Concen: 2.562 ug/L

RT: 2.99 min Scan# 512

Delta R.T. 0.00 min

Lab File: VU036696.D

Acq: 07 Feb 2020 12:27

Instrument :

MSVOA_U

ClientSampled :

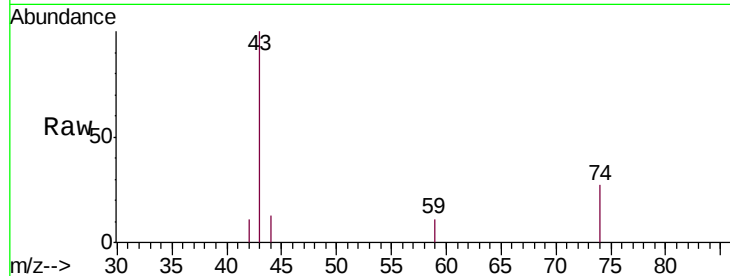
MDL03

Tgt Ion: 43 Resp: 5861

Ion Ratio Lower Upper

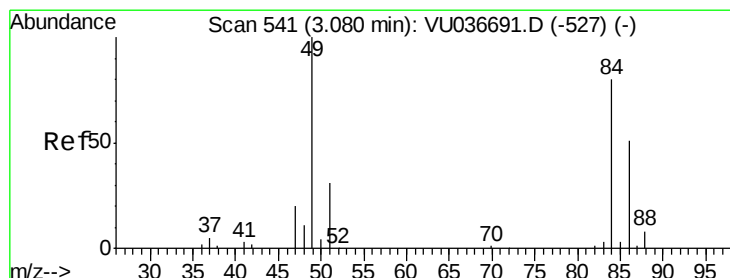
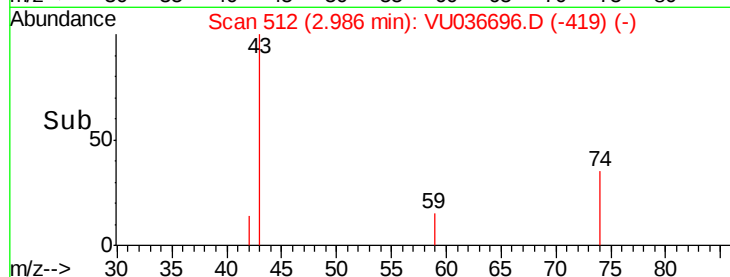
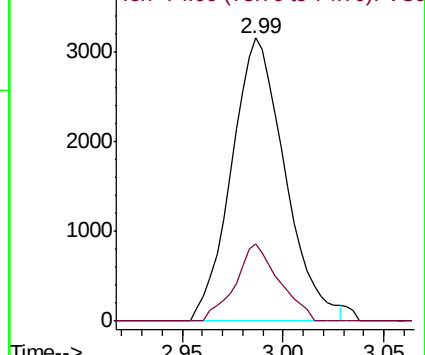
43 100

74 22.4 18.7 28.1



Abundance Ion 43.00 (42.70 to 43.70): VU036696.D (-419) (-)

Ion 74.00 (73.70 to 74.70): VU036696.D (-419) (-)



#16

Methylene chloride

Concen: 2.798 ug/L

RT: 3.08 min Scan# 542

Delta R.T. 0.00 min

Lab File: VU036696.D

Acq: 07 Feb 2020 12:27

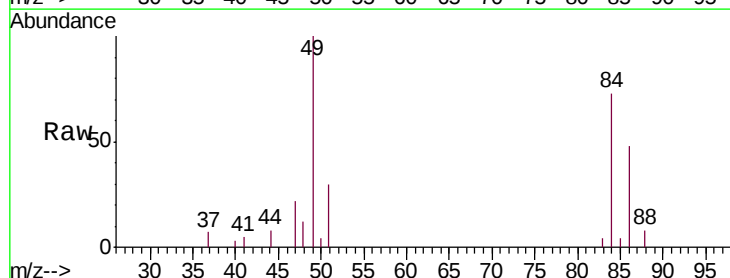
Tgt Ion: 84 Resp: 5523

Ion Ratio Lower Upper

84 100

86 66.1 44.4 82.5

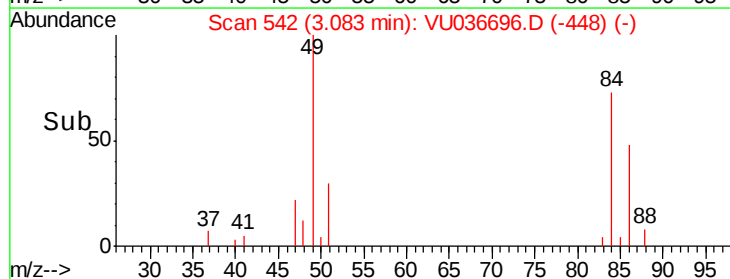
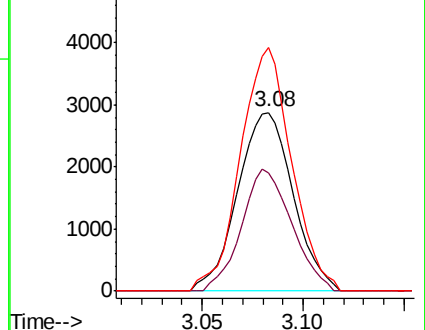
49 136.3 89.2 165.8

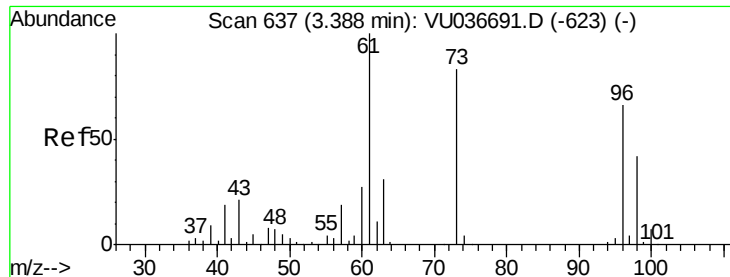


Abundance Ion 84.00 (83.70 to 84.70): VU036696.D (-448) (-)

Ion 86.00 (85.70 to 86.70): VU036696.D (-448) (-)

Ion 49.00 (48.70 to 49.70): VU036696.D (-448) (-)





#17

trans-1,2-Dichloroethene

Concen: 2.637 ug/L

RT: 3.39 min Scan# 638

Delta R.T. 0.00 min

Lab File: VU036696.D

Acq: 07 Feb 2020 12:27

Instrument :

MSVOA_U

ClientSampleId :

MDL03

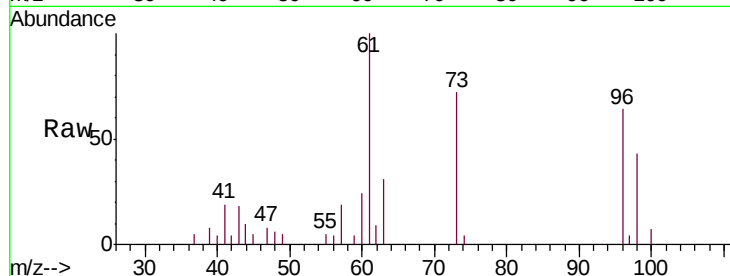
Tgt Ion: 96 Resp: 4486

Ion Ratio Lower Upper

96 100

61 156.2 103.4 192.0

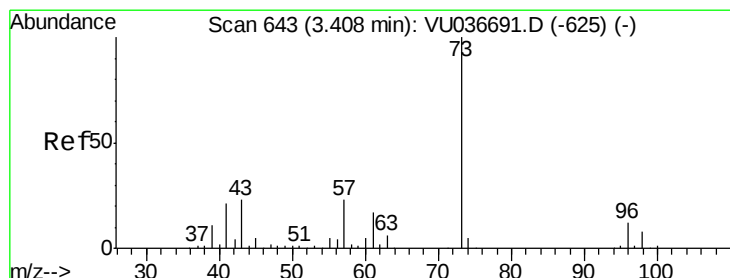
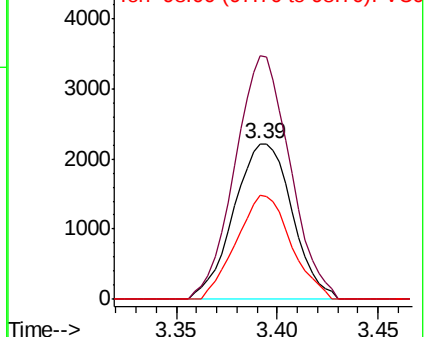
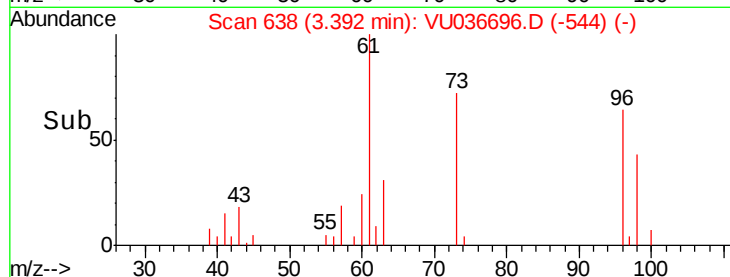
98 66.5 45.4 84.2



Abundance Ion 96.00 (95.70 to 96.70): VU036696.D (-544) (-)

Ion 61.00 (60.70 to 61.70): VU036696.D (-544) (-)

Ion 98.00 (97.70 to 98.70): VU036696.D (-544) (-)



#18

Methyl tert-butyl Ether

Concen: 2.526 ug/L

RT: 3.41 min Scan# 645

Delta R.T. 0.01 min

Lab File: VU036696.D

Acq: 07 Feb 2020 12:27

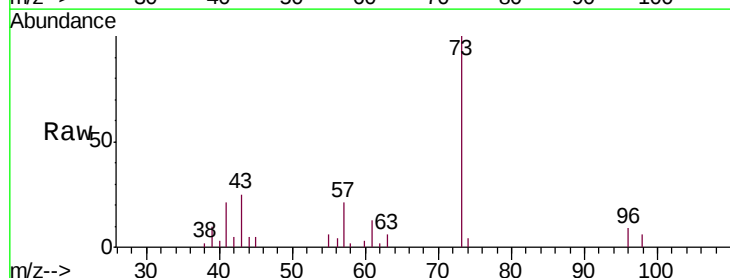
Tgt Ion: 73 Resp: 14915

Ion Ratio Lower Upper

73 100

43 24.7 18.6 28.0

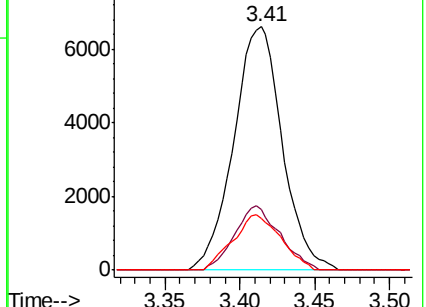
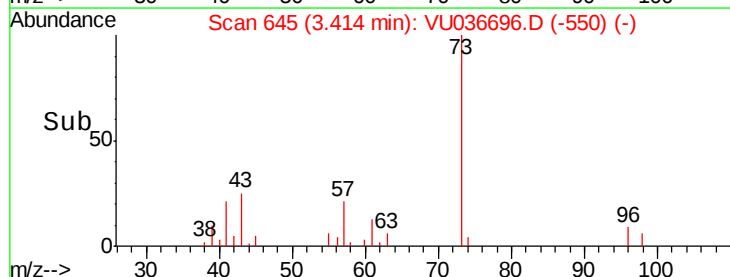
57 22.4 18.3 27.5

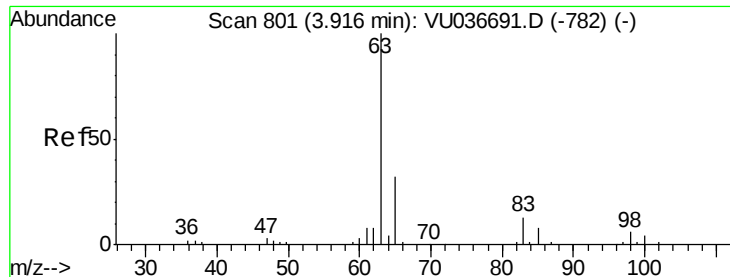


Abundance Ion 73.00 (72.70 to 73.70): VU036696.D (-550) (-)

Ion 43.00 (42.70 to 43.70): VU036696.D (-550) (-)

Ion 57.00 (56.70 to 57.70): VU036696.D (-550) (-)

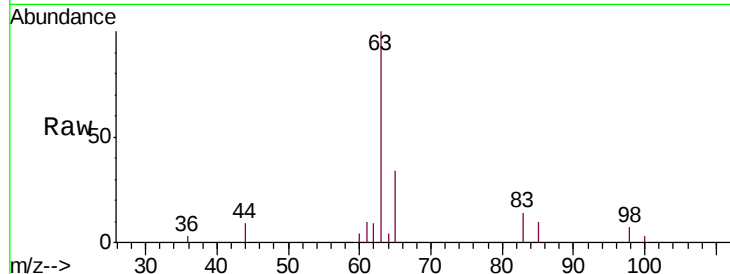




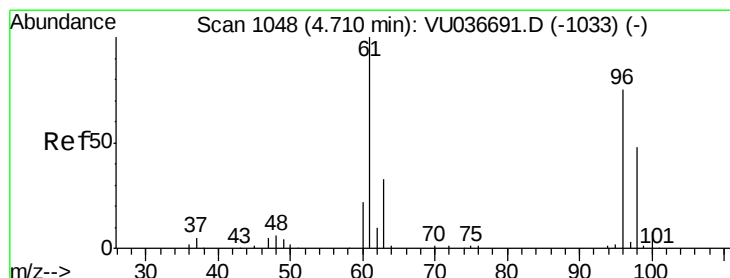
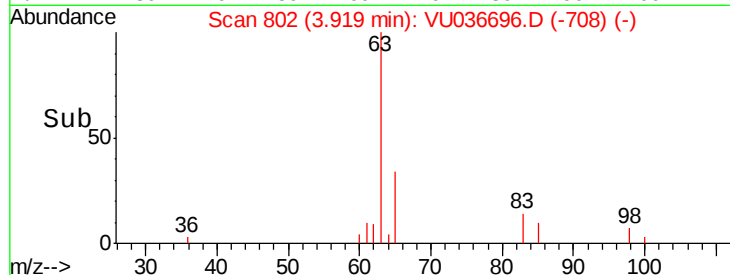
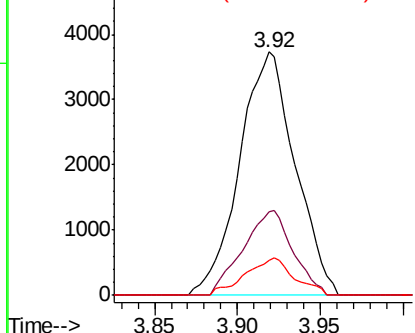
#19
 1,1-Dichloroethane
 Concen: 2.568 ug/L
 RT: 3.92 min Scan# 802
 Delta R.T. 0.00 min
 Lab File: VU036696.D
 Acq: 07 Feb 2020 12:27

Instrument :
 MSVOA_U
 ClientSampleId :
 MDL03

Tgt Ion: 63 Resp: 8706
 Ion Ratio Lower Upper
 63 100
 65 34.4 22.0 40.8
 83 14.4 10.1 18.7

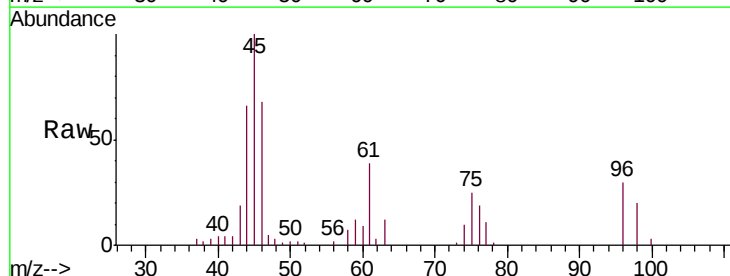


Abundance Ion 63.00 (62.70 to 63.70): VU0
 Ion 65.00 (64.70 to 65.70): VU0
 Ion 83.00 (82.70 to 83.70): VU0

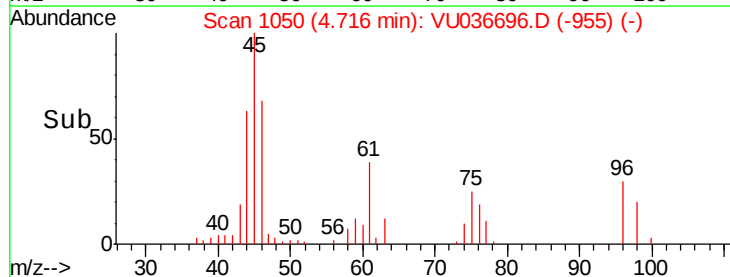
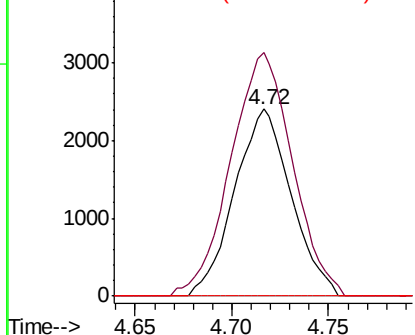


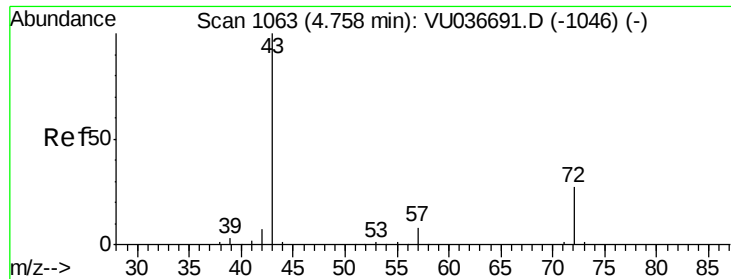
#20
 cis-1,2-Dichloroethene
 Concen: 2.527 ug/L
 RT: 4.72 min Scan# 1050
 Delta R.T. 0.01 min
 Lab File: VU036696.D
 Acq: 07 Feb 2020 12:27

Tgt Ion: 96 Resp: 4899
 Ion Ratio Lower Upper
 96 100
 61 130.1 93.3 173.3
 68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU0
 Ion 61.00 (60.70 to 61.70): VU0
 Ion 68.00 (67.70 to 68.70): VU0





#22

2-Butanone

Concen: 9.625 ug/L

RT: 4.76 min Scan# 1063

Delta R.T. 0.00 min

Lab File: VU036696.D

Acq: 07 Feb 2020 12:27

Instrument :

MSVOA_U

ClientSampleId :

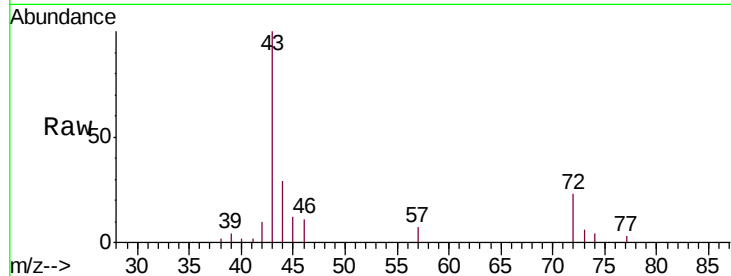
MDL03

Tgt Ion: 43 Resp: 18075

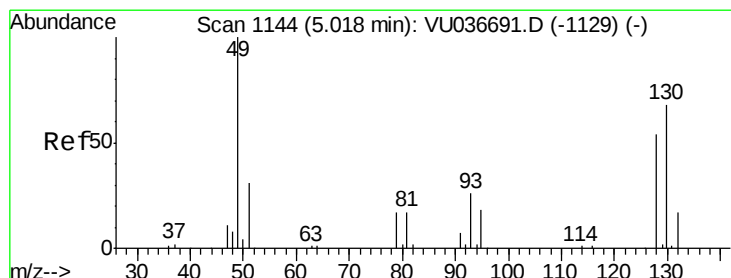
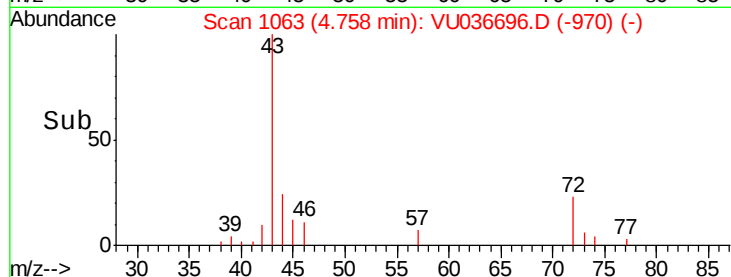
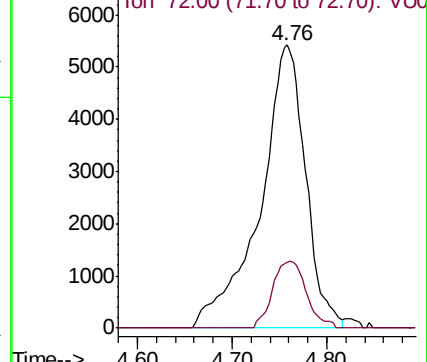
Ion Ratio Lower Upper

43 100

72 17.6 13.6 40.7



Abundance Ion 43.00 (42.70 to 43.70): VU036696.D (-970) (-)



#23

Bromochloromethane

Concen: 2.641 ug/L

RT: 5.02 min Scan# 1144

Delta R.T. 0.00 min

Lab File: VU036696.D

Acq: 07 Feb 2020 12:27

Tgt Ion: 128 Resp: 2399

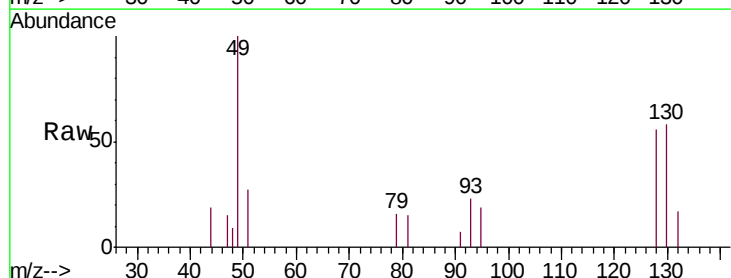
Ion Ratio Lower Upper

128 100

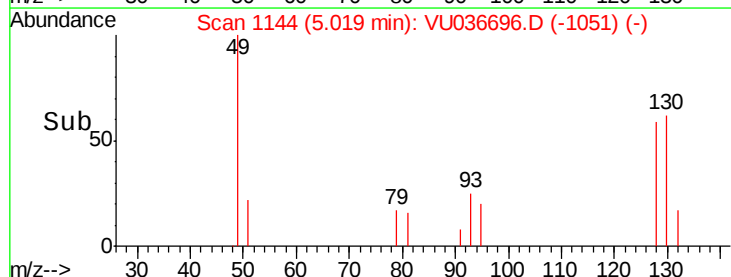
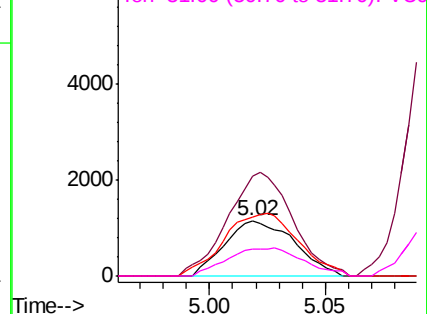
49 179.5 127.3 236.5

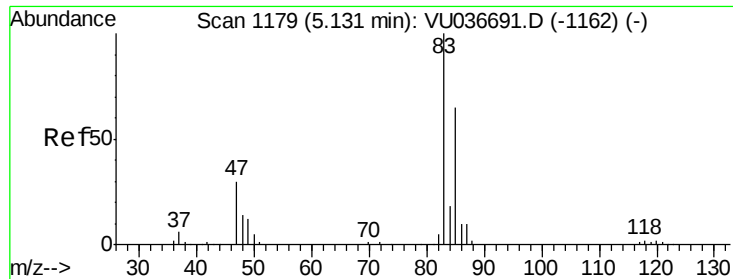
130 105.0 88.5 164.3

51 48.4 44.4 66.6



Abundance Ion 128.00 (127.70 to 128.70): VU036696.D (-1051) (-)

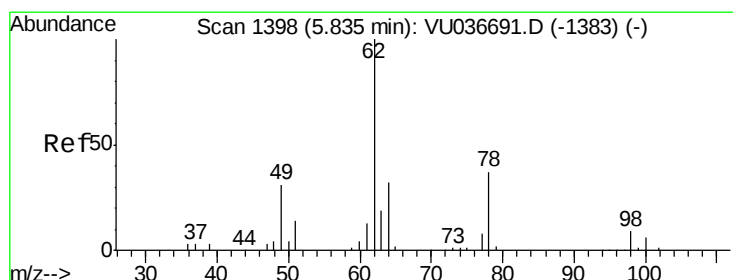
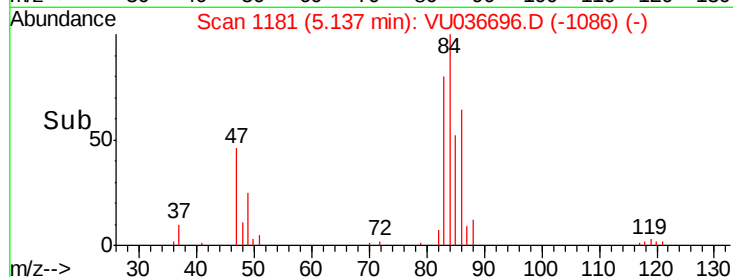
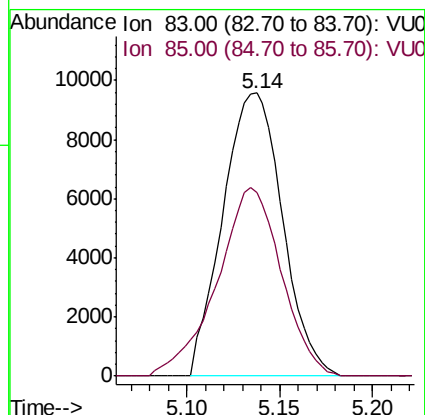
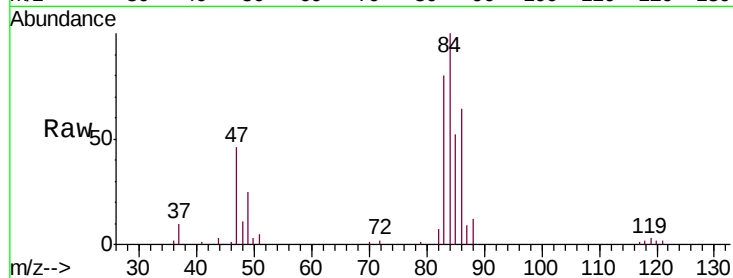




#25
Chloroform
Concen: 6.501 ug/L
RT: 5.14 min Scan# 1181
Delta R.T. 0.01 min
Lab File: VU036696.D
Acq: 07 Feb 2020 12:27

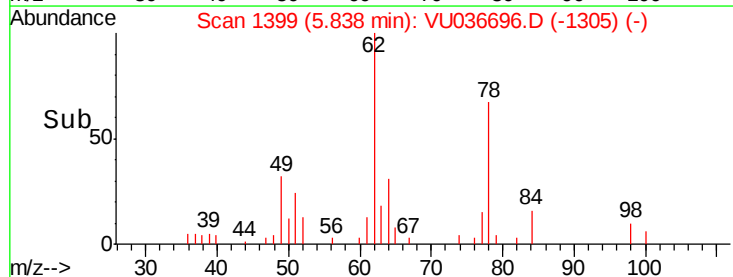
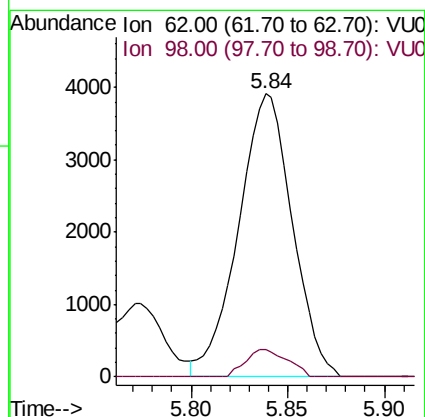
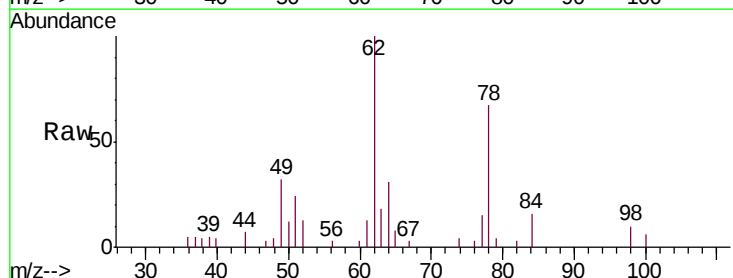
Instrument :
MSVOA_U
ClientSampleId :
MDL03

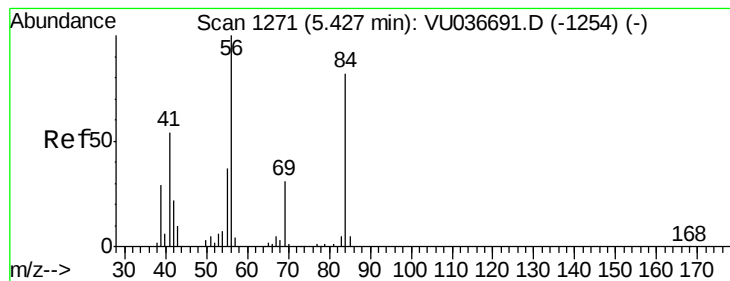
Tgt Ion: 83 Resp: 21436
Ion Ratio Lower Upper
83 100
85 65.0 44.6 82.8



#27
1,2-Dichloroethane
Concen: 2.733 ug/L
RT: 5.84 min Scan# 1399
Delta R.T. 0.00 min
Lab File: VU036696.D
Acq: 07 Feb 2020 12:27

Tgt Ion: 62 Resp: 7579
Ion Ratio Lower Upper
62 100
98 9.8 7.0 10.4





#29

Cyclohexane

Concen: 2.619 ug/L

RT: 5.43 min Scan# 1272

Delta R.T. 0.00 min

Lab File: VU036696.D

Acq: 07 Feb 2020 12:27

Instrument :

MSVOA_U

ClientSampleID :

MDL03

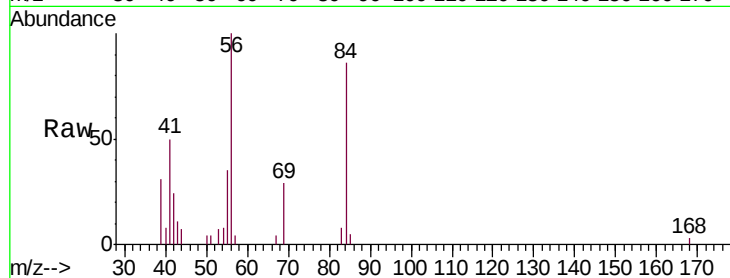
Tgt Ion: 56 Resp: 8265

Ion Ratio Lower Upper

56 100

69 29.4 25.0 37.4

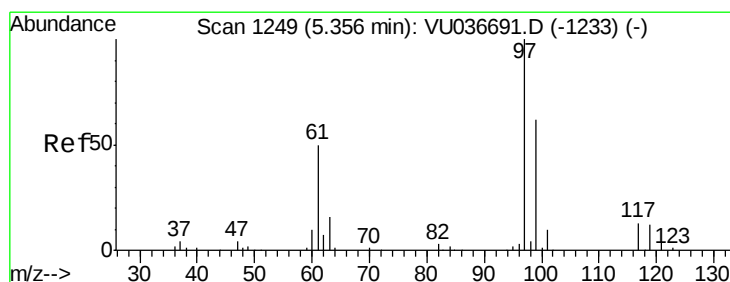
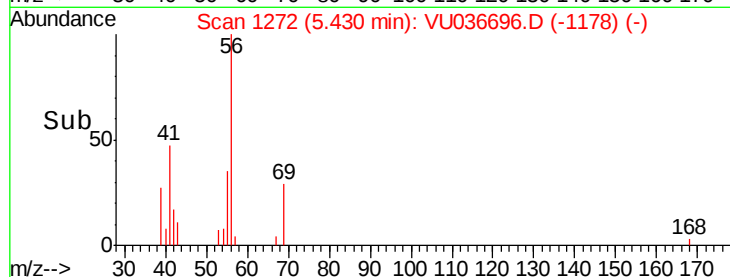
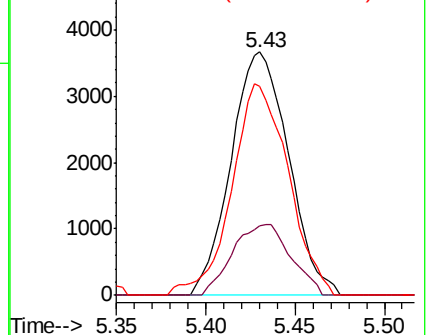
84 84.1 68.2 102.2



Abundance Ion 56.00 (55.70 to 56.70): VU036696.D (-1178) (-)

Ion 69.00 (68.70 to 69.70): VU036696.D (-1178) (-)

Ion 84.00 (83.70 to 84.70): VU036696.D (-1178) (-)



#30

1,1,1-Trichloroethane

Concen: 2.454 ug/L

RT: 5.36 min Scan# 1250

Delta R.T. 0.00 min

Lab File: VU036696.D

Acq: 07 Feb 2020 12:27

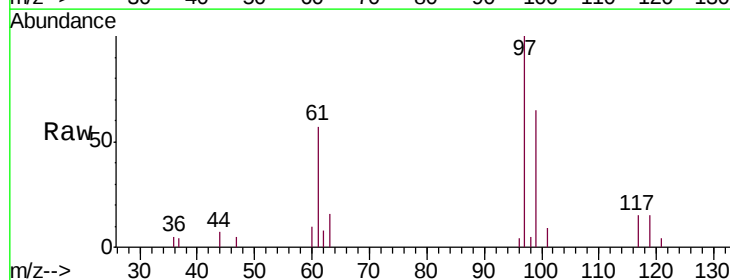
Tgt Ion: 97 Resp: 6406

Ion Ratio Lower Upper

97 100

99 32.9 50.9 76.3#

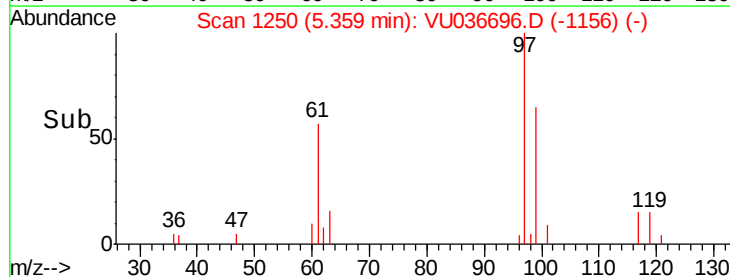
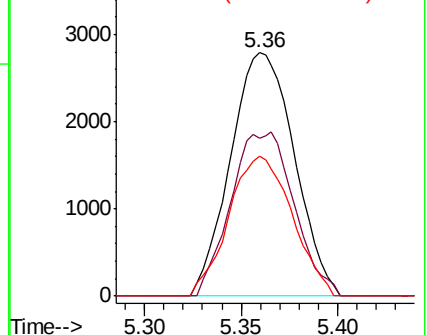
61 57.0 40.2 60.2

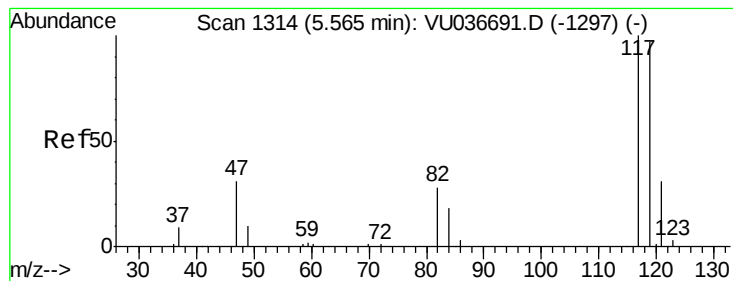


Abundance Ion 97.00 (96.70 to 97.70): VU036696.D (-1156) (-)

Ion 99.00 (98.70 to 99.70): VU036696.D (-1156) (-)

Ion 61.05 (60.75 to 61.75): VU036696.D (-1156) (-)





#31

Carbon tetrachloride

Concen: 2.506 ug/L

RT: 5.57 min Scan# 1315

Delta R.T. 0.00 min

Lab File: VU036696.D

Acq: 07 Feb 2020 12:27

Instrument :

MSVOA_U

ClientSampleId :

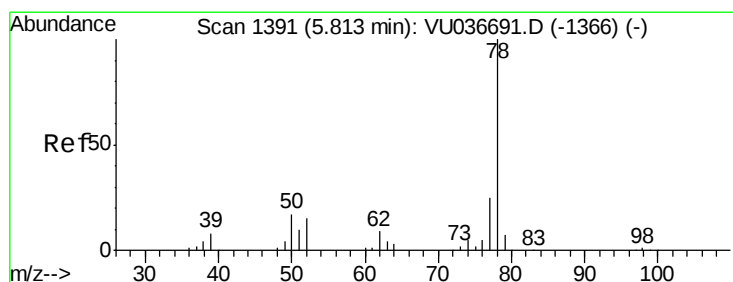
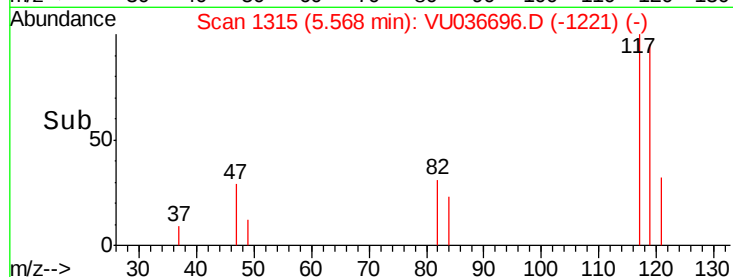
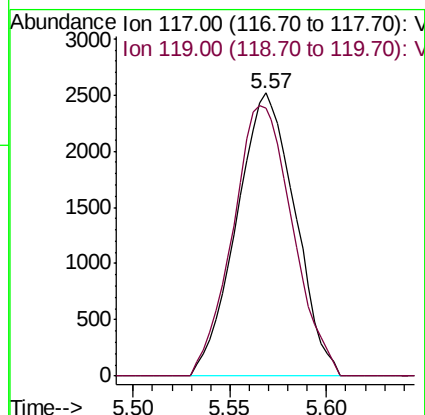
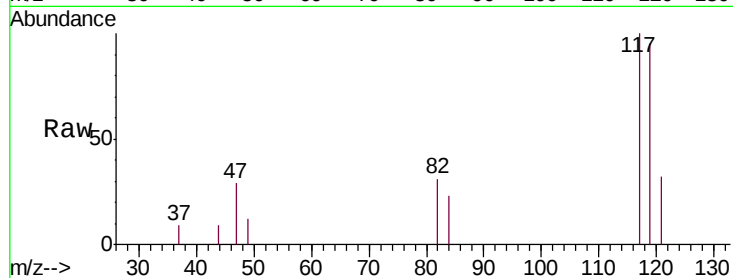
MDL03

Tgt Ion: 117 Resp: 5297

Ion Ratio Lower Upper

117 100

119 97.5 76.2 114.4



#33

Benzene

Concen: 2.672 ug/L

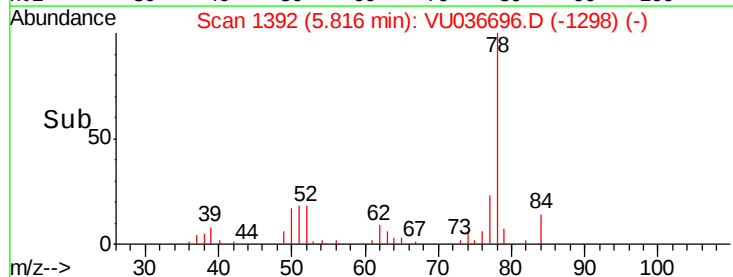
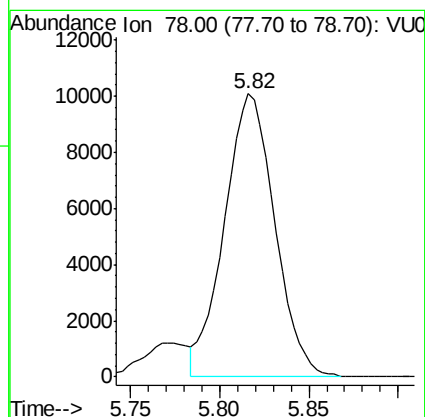
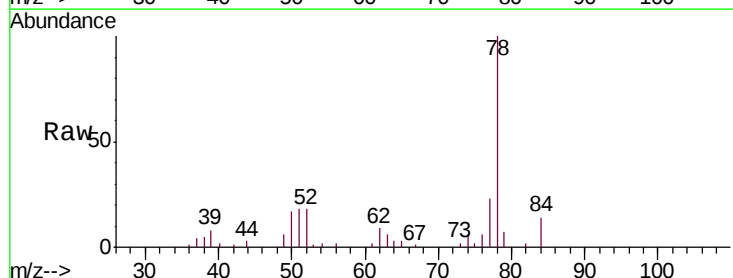
RT: 5.82 min Scan# 1392

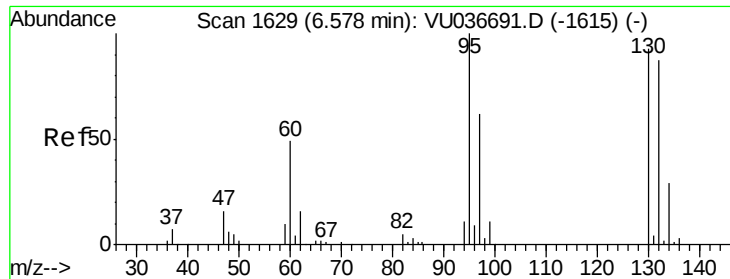
Delta R.T. 0.00 min

Lab File: VU036696.D

Acq: 07 Feb 2020 12:27

Tgt Ion: 78 Resp: 19855





#34

Trichloroethene

Concen: 2.628 ug/L

RT: 6.58 min Scan# 1630

Delta R.T. 0.00 min

Lab File: VU036696.D

Acq: 07 Feb 2020 12:27

Instrument :

MSVOA_U

ClientSampleId :

MDL03

Tgt Ion: 95 Resp: 4829

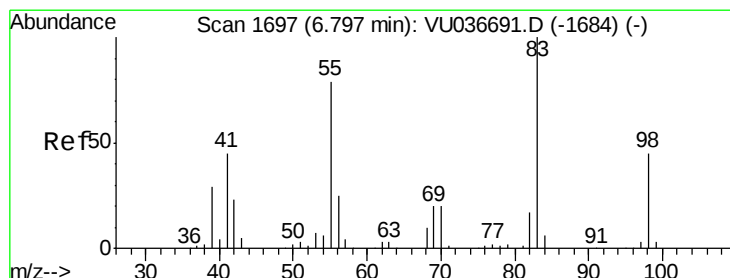
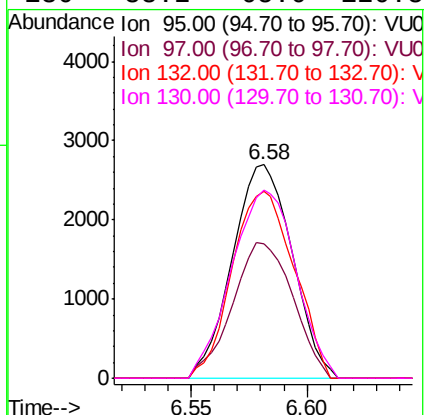
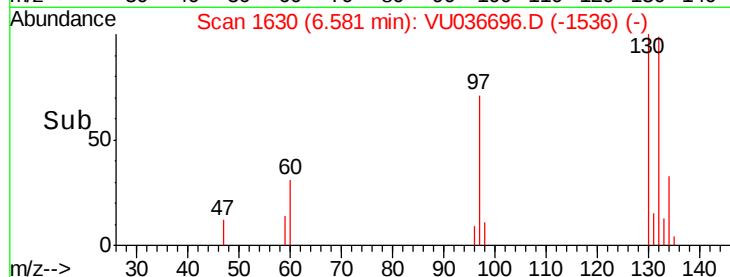
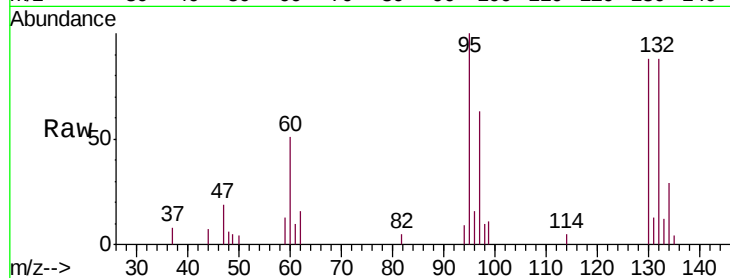
Ion Ratio Lower Upper

95 100

97 62.8 44.5 82.7

132 87.7 59.6 110.8

130 88.2 65.0 120.8



#35

Methylcyclohexane

Concen: 2.467 ug/L

RT: 6.80 min Scan# 1698

Delta R.T. 0.00 min

Lab File: VU036696.D

Acq: 07 Feb 2020 12:27

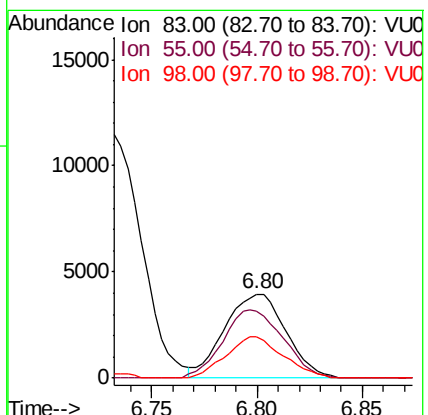
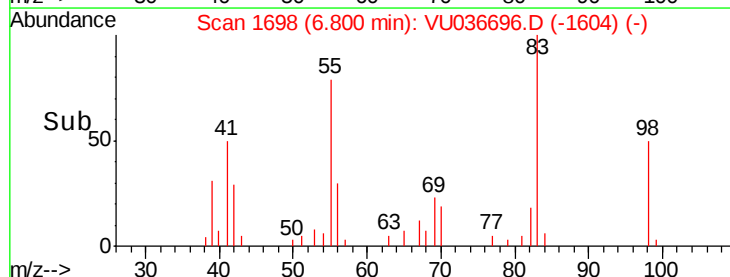
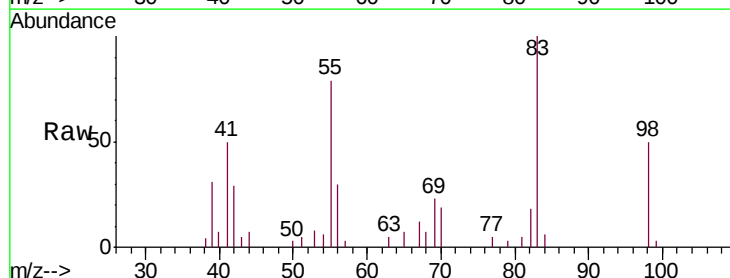
Tgt Ion: 83 Resp: 7983

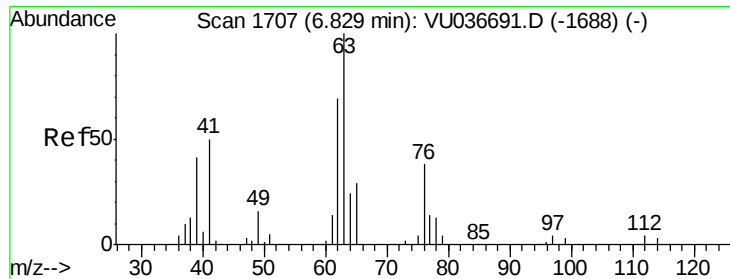
Ion Ratio Lower Upper

83 100

55 79.7 61.2 91.8

98 45.9 35.4 53.0

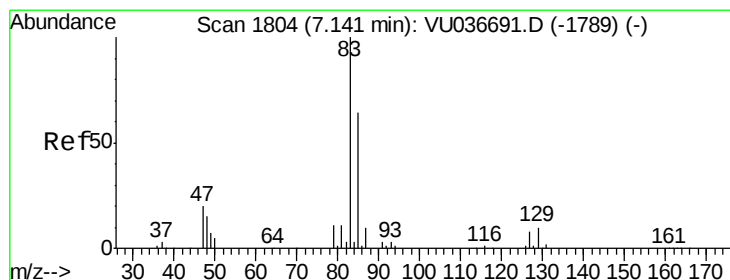
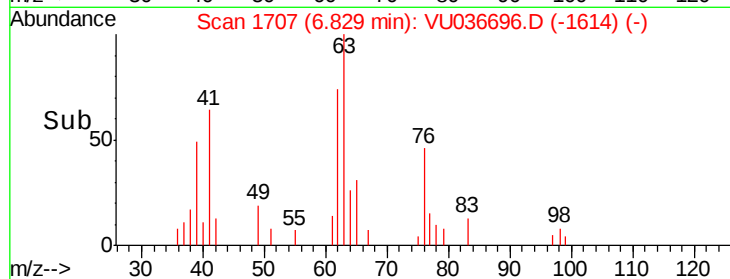
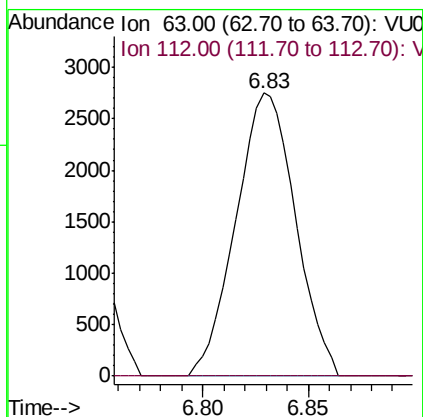
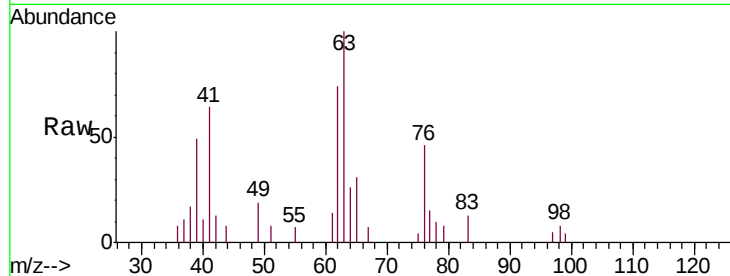




#37
 1,2-Dichloropropane
 Concen: 2.694 ug/L
 RT: 6.83 min Scan# 1707
 Delta R.T. 0.00 min
 Lab File: VU036696.D
 Acq: 07 Feb 2020 12:27

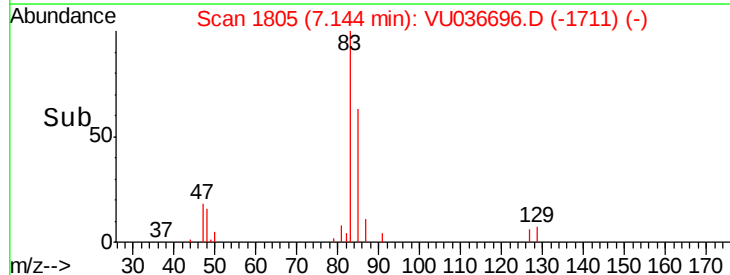
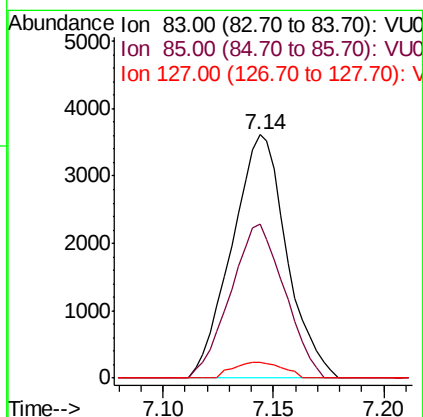
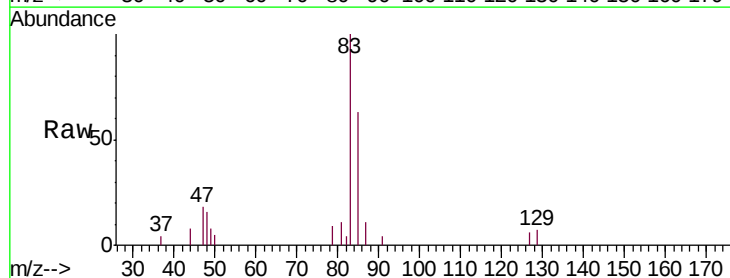
Instrument :
 MSVOA_U
 ClientSampleId :
 MDL03

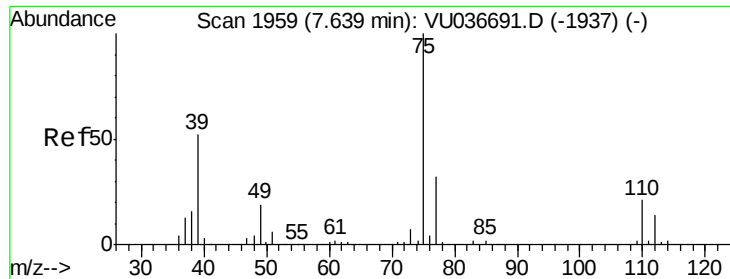
Tgt Ion: 63 Resp: 5398
 Ion Ratio Lower Upper
 63 100
 112 0.0 3.1 4.7#



#38
 Bromodichloromethane
 Concen: 2.559 ug/L
 RT: 7.14 min Scan# 1805
 Delta R.T. 0.00 min
 Lab File: VU036696.D
 Acq: 07 Feb 2020 12:27

Tgt Ion: 83 Resp: 6231
 Ion Ratio Lower Upper
 83 100
 85 63.1 43.9 81.5
 127 6.3 6.0 9.0

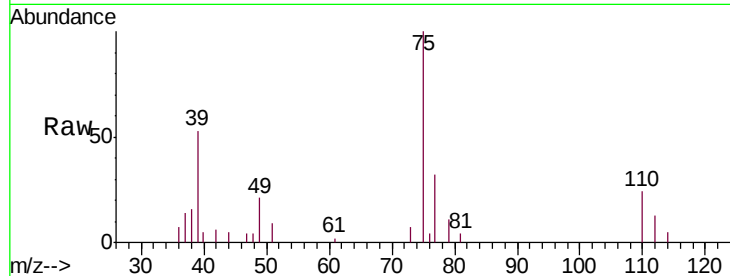




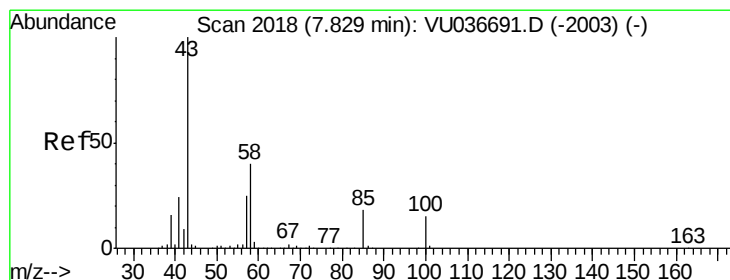
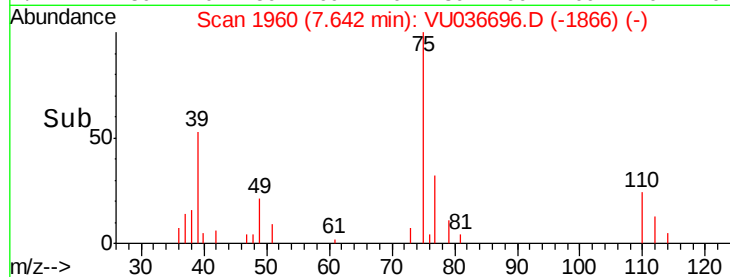
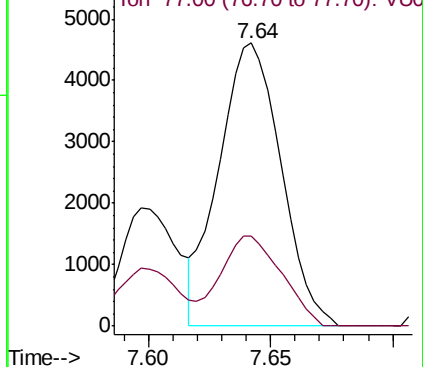
#39
 cis-1,3-Dichloropropene
 Concen: 2.556 ug/L
 RT: 7.64 min Scan# 1960
 Delta R.T. 0.00 min
 Lab File: VU036696.D
 Acq: 07 Feb 2020 12:27

Instrument :
 MSVOA_U
 ClientSampled :
 MDL03

Tgt Ion: 75 Resp: 8185
 Ion Ratio Lower Upper
 75 100
 77 31.8 22.3 41.5

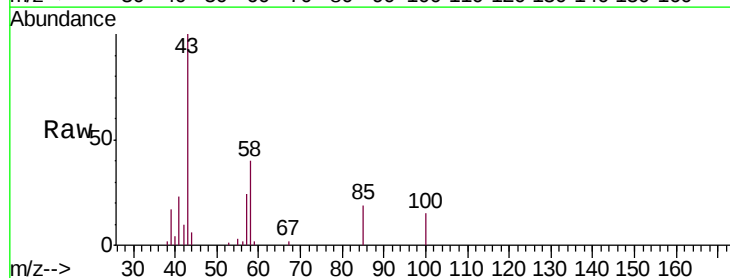


Abundance Ion 75.00 (74.70 to 75.70): VU036696.D (-1866) (-)
 Ion 77.00 (76.70 to 77.70): VU036696.D (-1866) (-)

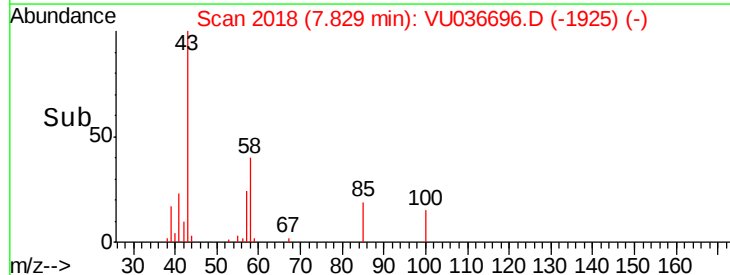
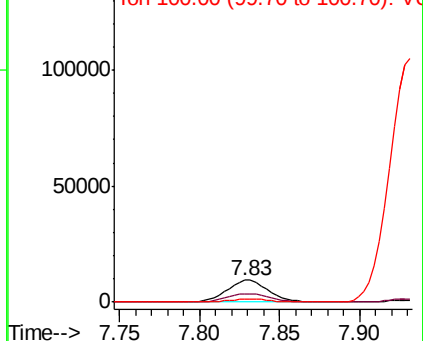


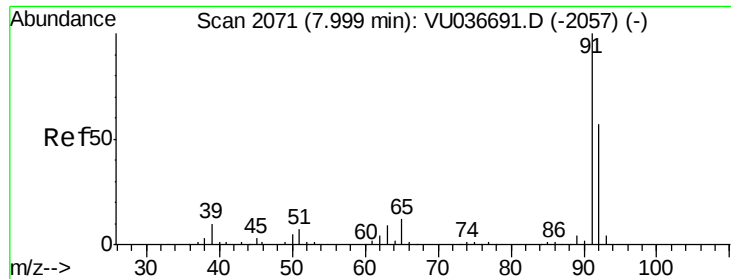
#40
 4-Methyl-2-pentanone
 Concen: 5.209 ug/L
 RT: 7.83 min Scan# 2018
 Delta R.T. 0.00 min
 Lab File: VU036696.D
 Acq: 07 Feb 2020 12:27

Tgt Ion: 43 Resp: 16493
 Ion Ratio Lower Upper
 43 100
 58 39.5 31.0 46.6
 100 13.5 11.4 17.2



Abundance Ion 43.00 (42.70 to 43.70): VU036696.D (-1925) (-)
 Ion 58.00 (57.70 to 58.70): VU036696.D (-1925) (-)
 Ion 100.00 (99.70 to 100.70): VU036696.D (-1925) (-)





#42

Toluene

Concen: 2.605 ug/L

RT: 8.00 min Scan# 2072

Delta R.T. 0.00 min

Lab File: VU036696.D

Acq: 07 Feb 2020 12:27

Instrument :

MSVOA_U

ClientSampleId :

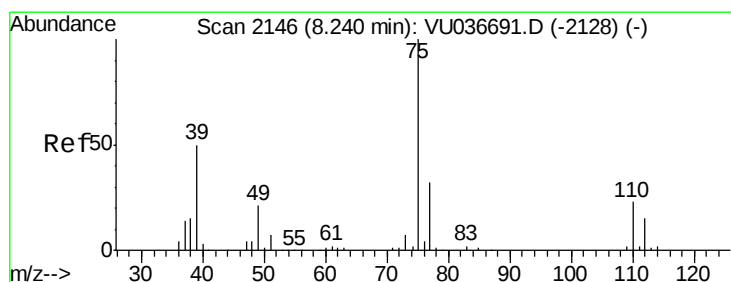
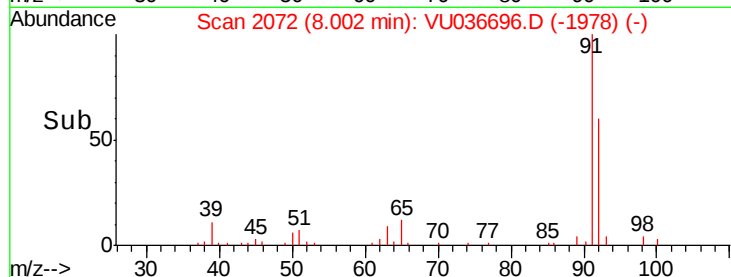
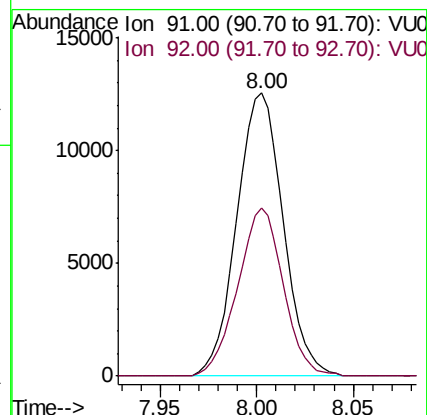
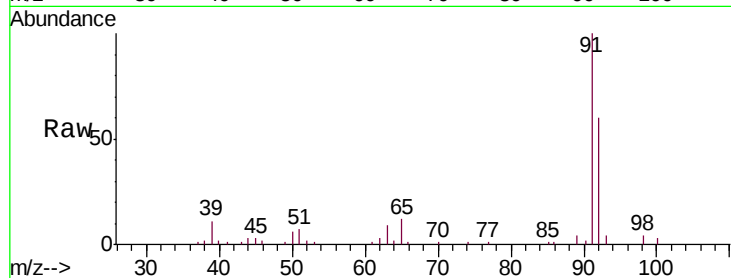
MDL03

Tgt Ion: 91 Resp: 20923

Ion Ratio Lower Upper

91 100

92 59.6 39.5 73.3



#44

trans-1,3-Dichloropropene

Concen: 3.181 ug/L

RT: 8.24 min Scan# 2147

Delta R.T. 0.00 min

Lab File: VU036696.D

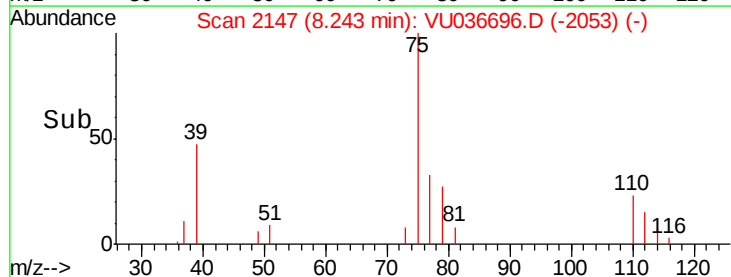
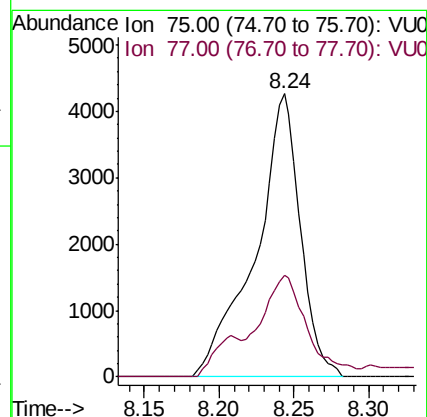
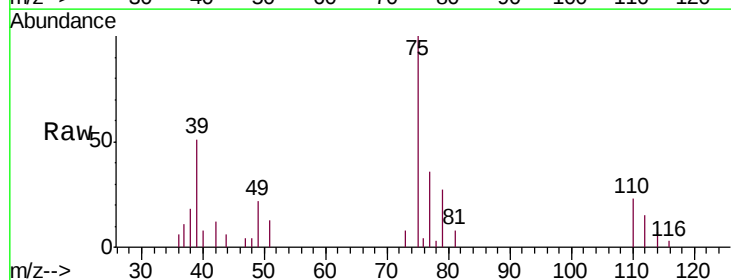
Acq: 07 Feb 2020 12:27

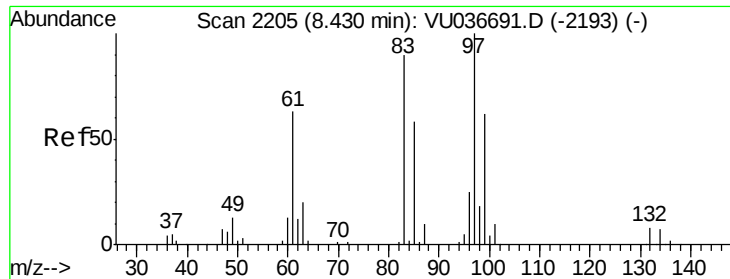
Tgt Ion: 75 Resp: 8897

Ion Ratio Lower Upper

75 100

77 35.9 22.6 42.0

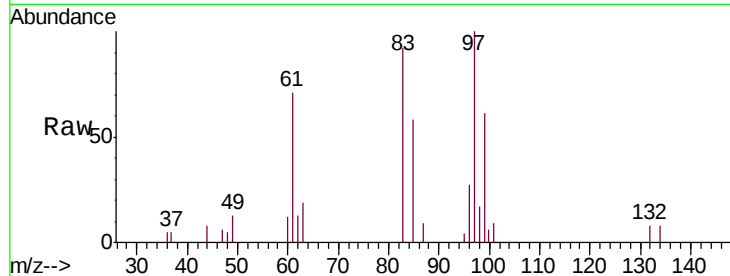




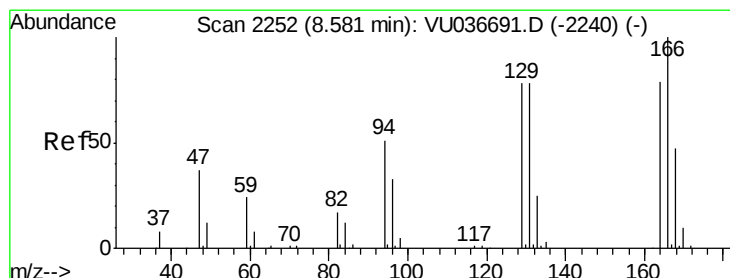
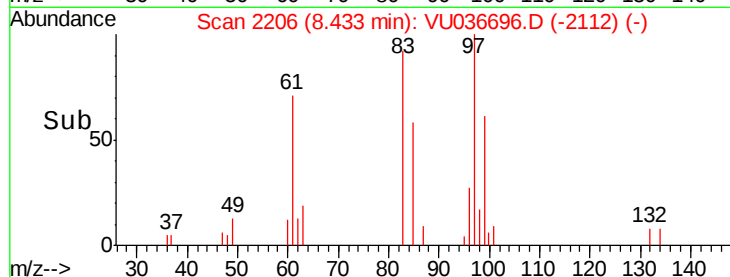
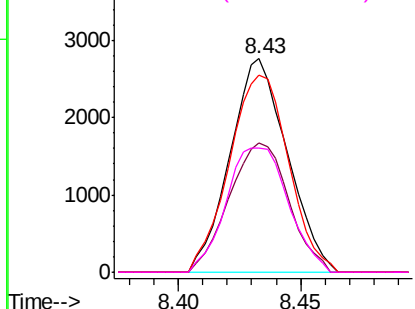
#45
1,1,2-Trichloroethane
Concen: 2.466 ug/L
RT: 8.43 min Scan# 2206
Delta R.T. 0.00 min
Lab File: VU036696.D
Acq: 07 Feb 2020 12:27

Instrument :
MSVOA_U
ClientSampleId :
MDL03

Tgt Ion: 97 Resp: 4508
Ion Ratio Lower Upper
97 100
99 60.6 42.6 79.0
83 92.2 61.1 113.5
85 58.4 40.4 75.0

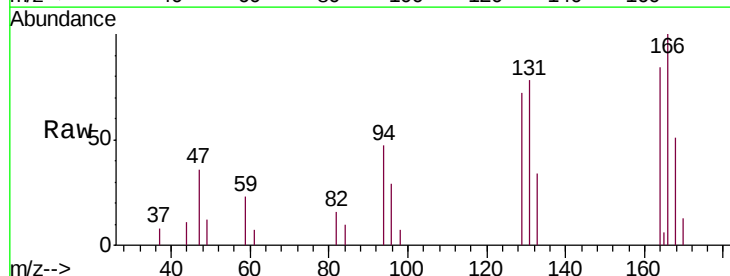


Abundance Ion 97.00 (96.70 to 97.70): VU0
Ion 99.00 (98.70 to 99.70): VU0
Ion 83.00 (82.70 to 83.70): VU0
Ion 85.00 (84.70 to 85.70): VU0

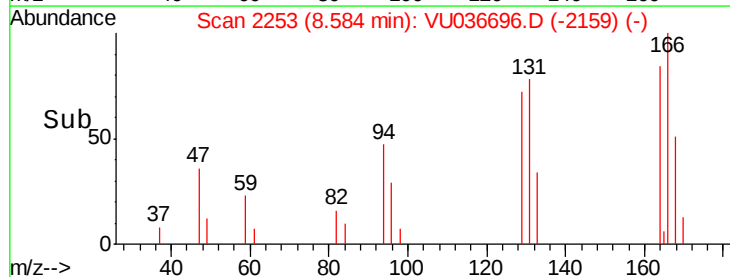
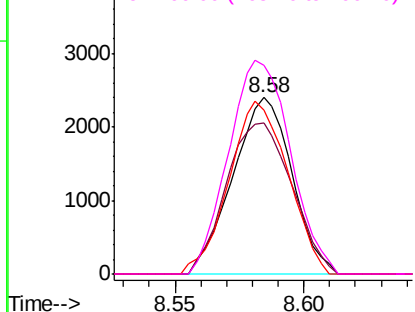


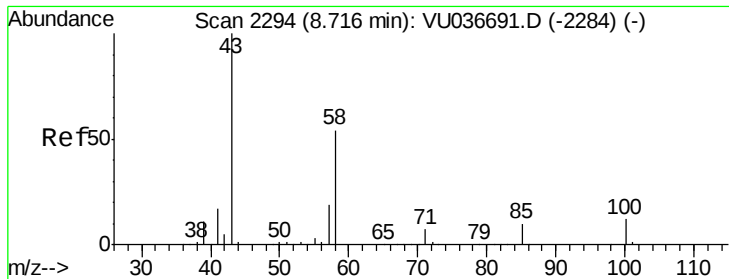
#46
Tetrachloroethene
Concen: 2.978 ug/L
RT: 8.58 min Scan# 2253
Delta R.T. 0.00 min
Lab File: VU036696.D
Acq: 07 Feb 2020 12:27

Tgt Ion: 164 Resp: 3840
Ion Ratio Lower Upper
164 100
129 85.2 71.0 131.9
131 92.8 66.6 123.6
166 118.4 86.4 160.4



Abundance Ion 164.00 (163.70 to 164.70): V
Ion 129.00 (128.70 to 129.70): V
Ion 131.00 (130.70 to 131.70): V
Ion 166.00 (165.70 to 166.70): V





#48

2-Hexanone

Concen: 5.599 ug/L

RT: 8.72 min Scan# 2295

Delta R.T. 0.00 min

Lab File: VU036696.D

Acq: 07 Feb 2020 12:27

Instrument :

MSVOA_U

ClientSampleId :

MDL03

Tgt Ion: 43 Resp: 14461

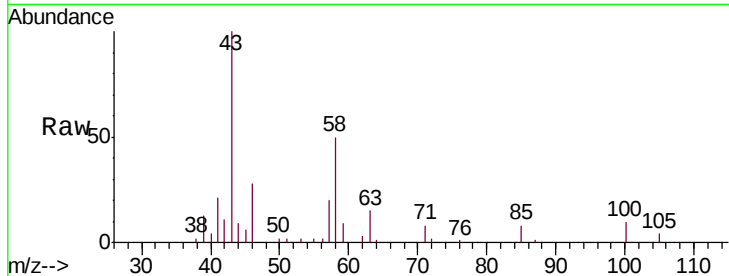
Ion Ratio Lower Upper

43 100

58 52.2 43.6 65.4

57 20.4 15.5 23.3

100 10.6 9.0 13.4

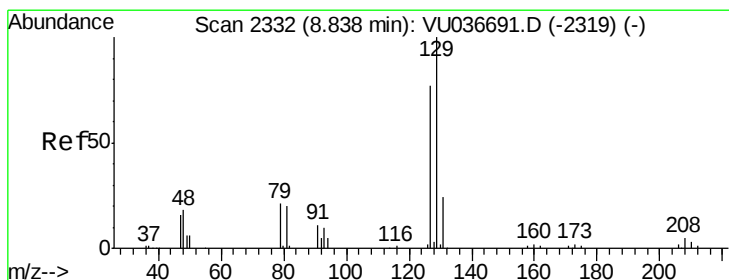
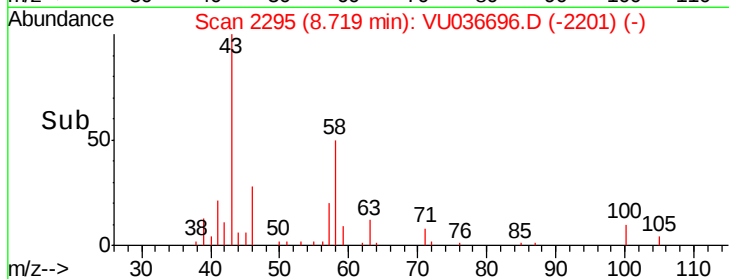
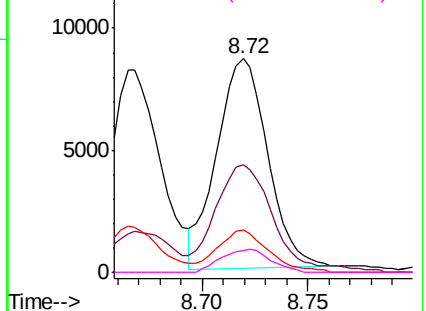


Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0

Ion 57.00 (56.70 to 57.70): VU0

Ion 100.00 (99.70 to 100.70): VU0



#49

Dibromochloromethane

Concen: 2.300 ug/L

RT: 8.84 min Scan# 2332

Delta R.T. 0.00 min

Lab File: VU036696.D

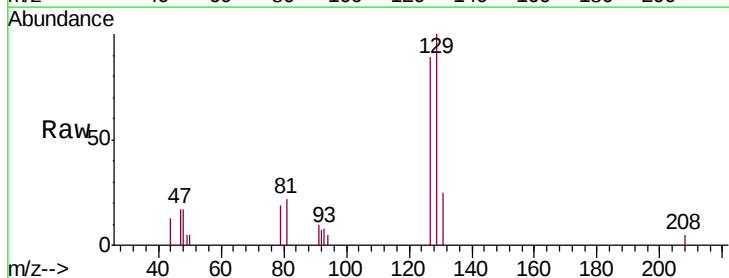
Acq: 07 Feb 2020 12:27

Tgt Ion: 129 Resp: 4113

Ion Ratio Lower Upper

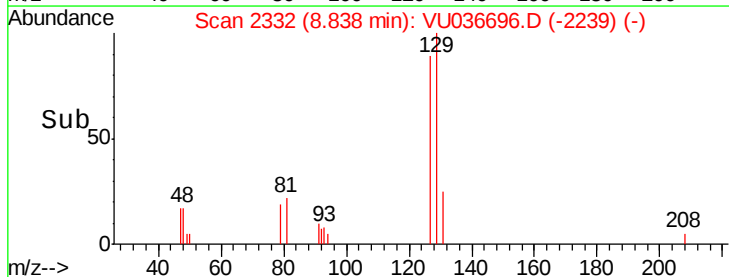
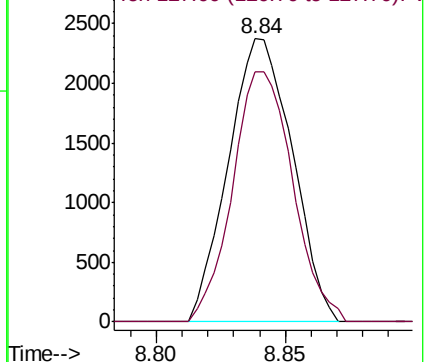
129 100

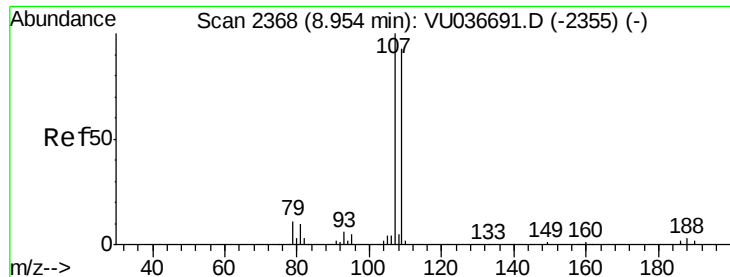
127 88.5 53.6 99.6



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V

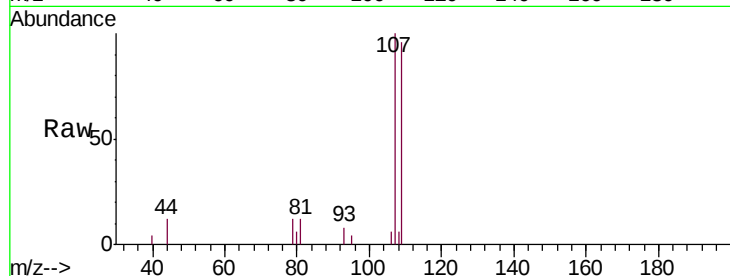




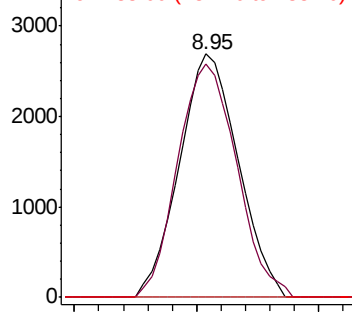
#50
 1,2-Dibromoethane
 Concen: 2.340 ug/L
 RT: 8.95 min Scan# 2368
 Delta R.T. 0.00 min
 Lab File: VU036696.D
 Acq: 07 Feb 2020 12:27

Instrument :
 MSVOA_U
 ClientSampleId :
 MDL03

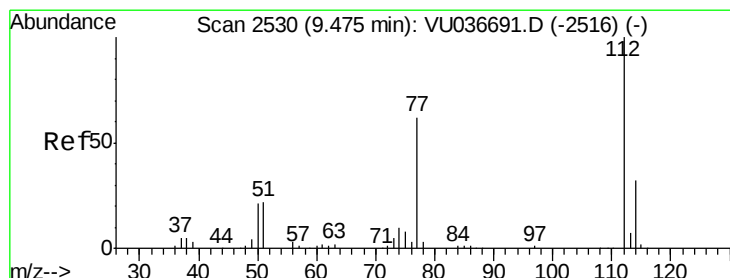
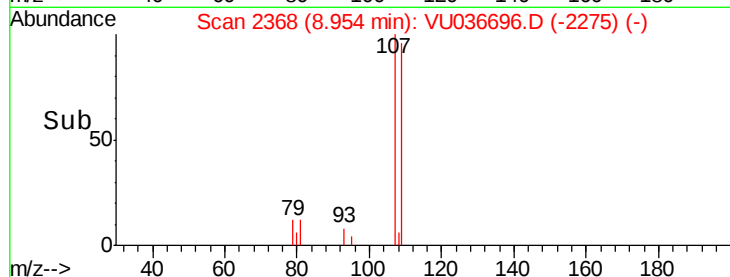
Tgt Ion:107 Resp: 4495
 Ion Ratio Lower Upper
 107 100
 109 95.7 65.8 122.2
 188 0.0 2.5 3.7#



Abundance Ion 107.00 (106.70 to 107.70): V
 Ion 109.00 (108.70 to 109.70): V
 Ion 188.00 (187.70 to 188.70): V

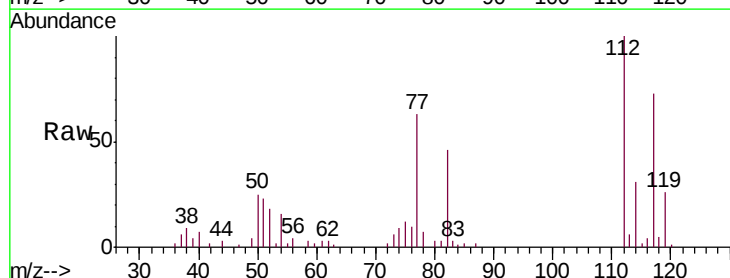


Time--> 8.90 8.95 9.00

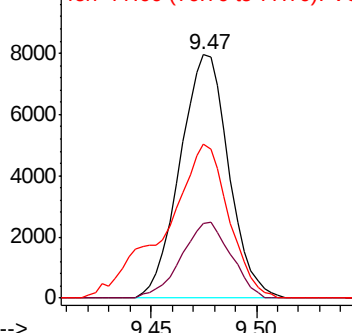


#51
 Chlorobenzene
 Concen: 2.640 ug/L
 RT: 9.47 min Scan# 2530
 Delta R.T. 0.00 min
 Lab File: VU036696.D
 Acq: 07 Feb 2020 12:27

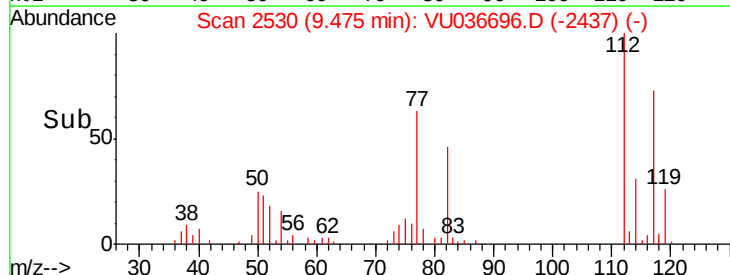
Tgt Ion:112 Resp: 12765
 Ion Ratio Lower Upper
 112 100
 114 30.8 22.7 42.1
 77 63.2 50.6 75.8

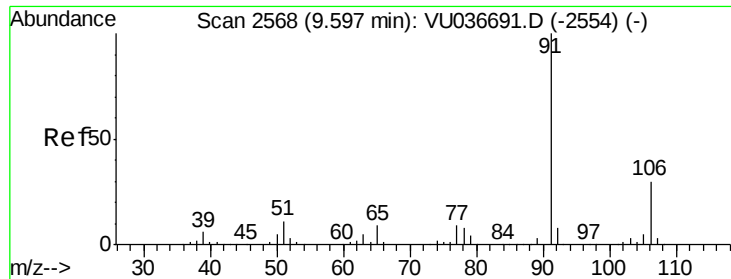


Abundance Ion 112.00 (111.70 to 112.70): V
 Ion 114.00 (113.70 to 114.70): V
 Ion 77.00 (76.70 to 77.70): VU



Time--> 9.45 9.50





#52

Ethylbenzene

Concen: 2.457 ug/L

RT: 9.60 min Scan# 2568

Delta R.T. 0.00 min

Lab File: VU036696.D

Acq: 07 Feb 2020 12:27

Instrument :

MSVOA_U

ClientSampleId :

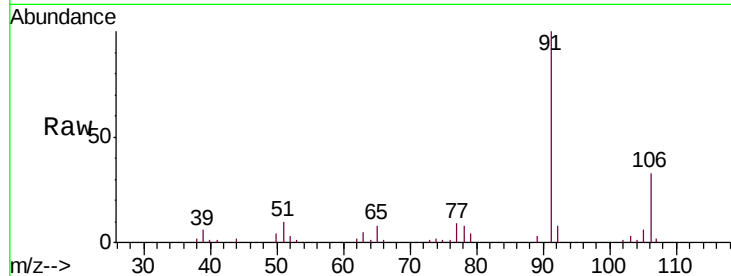
MDL03

Tgt Ion: 91 Resp: 21684

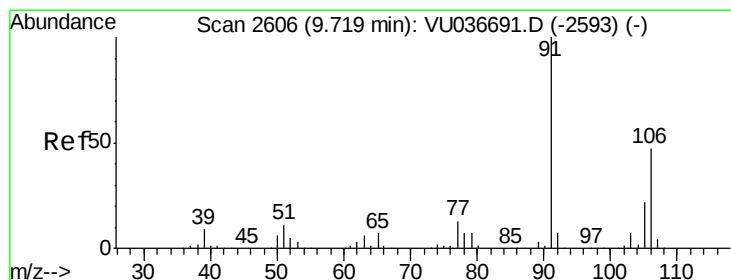
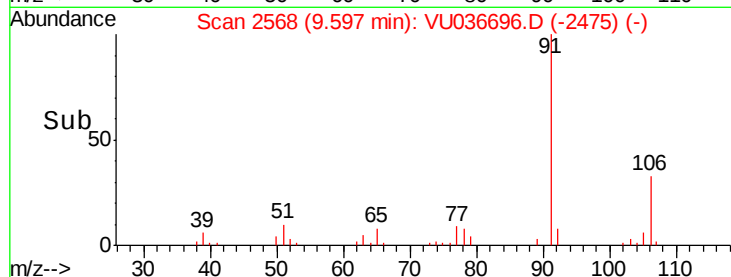
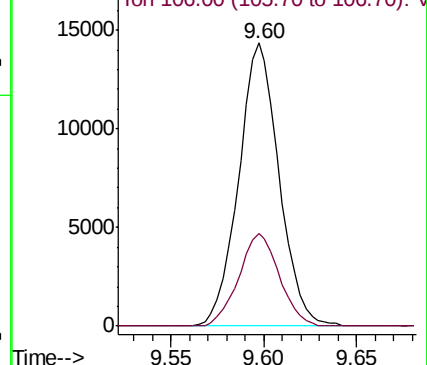
Ion Ratio Lower Upper

91 100

106 32.7 21.3 39.6



Abundance Ion 91.00 (90.70 to 91.70): VU036696.D (-2554) (-)



#53

m,p-Xylene

Concen: 2.488 ug/L

RT: 9.72 min Scan# 2606

Delta R.T. 0.00 min

Lab File: VU036696.D

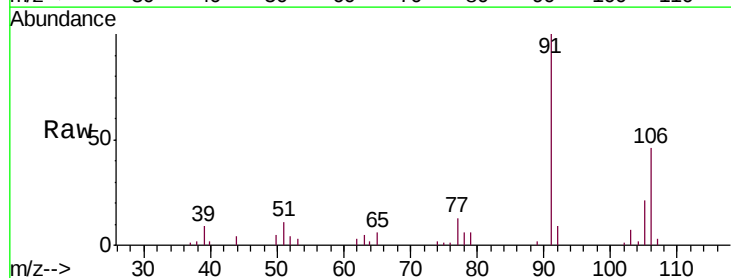
Acq: 07 Feb 2020 12:27

Tgt Ion: 106 Resp: 8100

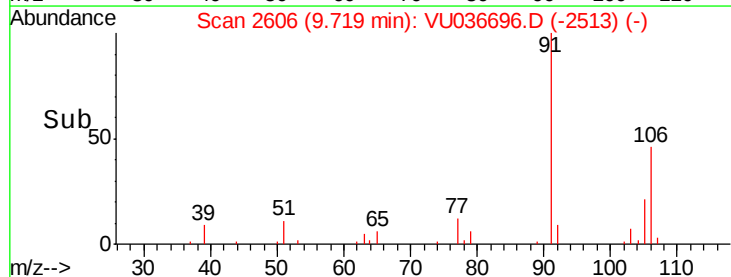
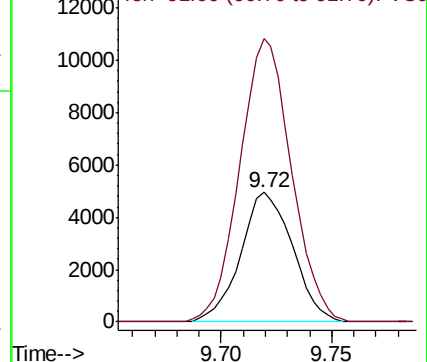
Ion Ratio Lower Upper

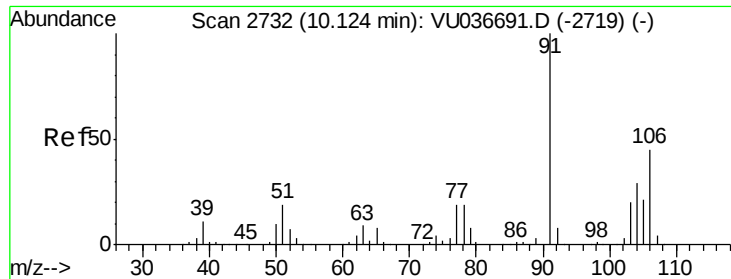
106 100

91 219.0 145.9 270.9



Abundance Ion 106.00 (105.70 to 106.70): VU036696.D (-2593) (-)





#54

o-xylene

Concen: 2.392 ug/L

RT: 10.13 min Scan# 2733

Delta R.T. 0.00 min

Lab File: VU036696.D

Acq: 07 Feb 2020 12:27

Instrument :

MSVOA_U

ClientSampleId :

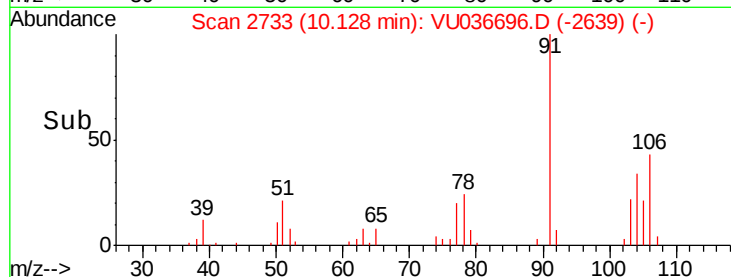
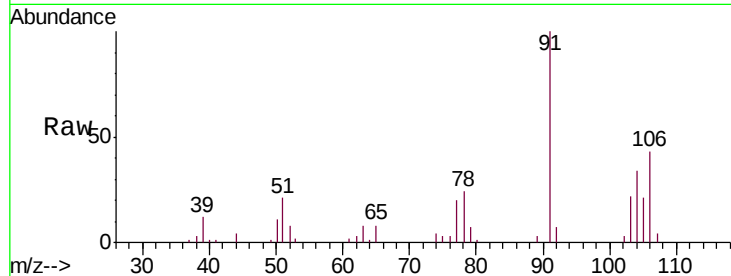
MDL03

Tgt Ion:106 Resp: 7714

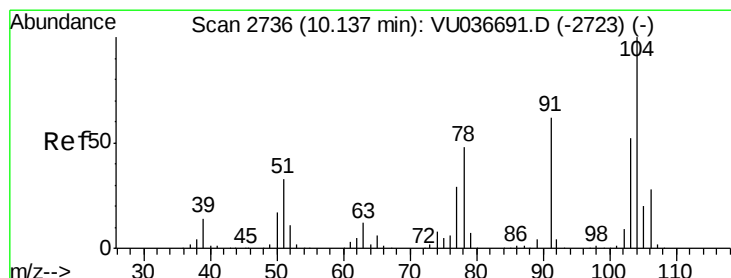
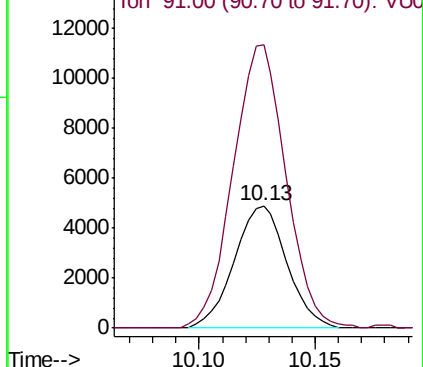
Ion Ratio Lower Upper

106 100

91 230.8 156.0 289.6



Abundance Ion 106.00 (105.70 to 106.70): V



#55

Styrene

Concen: 2.250 ug/L

RT: 10.14 min Scan# 2737

Delta R.T. 0.00 min

Lab File: VU036696.D

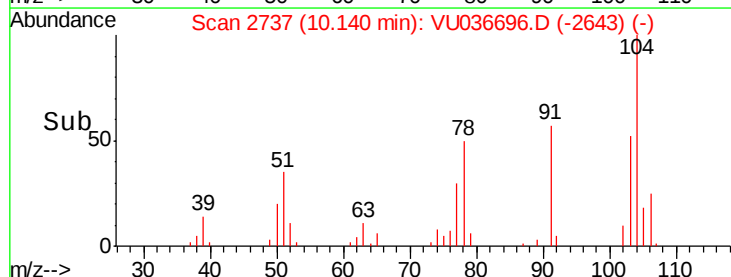
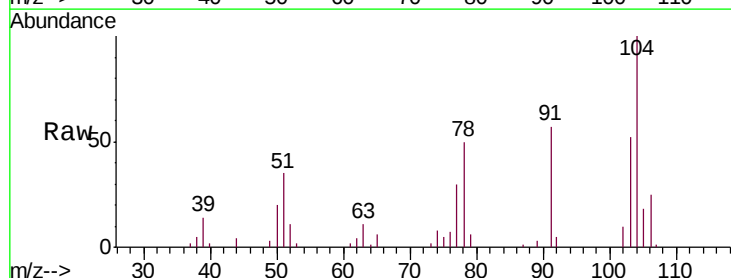
Acq: 07 Feb 2020 12:27

Tgt Ion:104 Resp: 12091

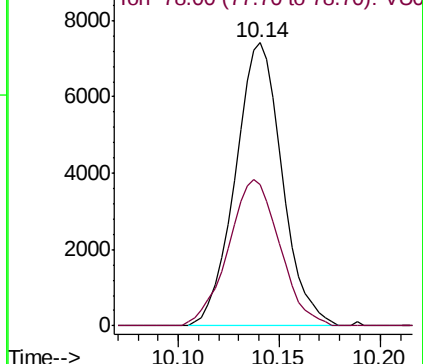
Ion Ratio Lower Upper

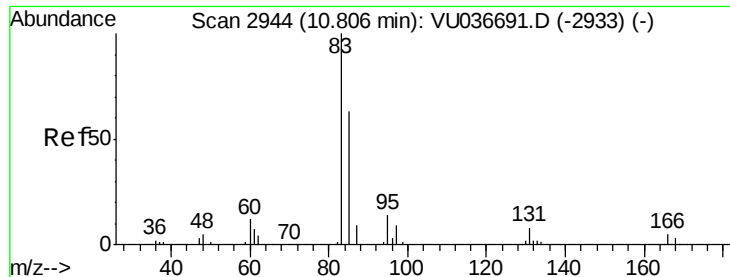
104 100

78 49.9 33.7 62.7



Abundance Ion 104.00 (103.70 to 104.70): V





#57

1,1,2,2-Tetrachloroethane

Concen: 2.695 ug/L

RT: 10.81 min Scan# 2944

Delta R.T. 0.00 min

Lab File: VU036696.D

Acq: 07 Feb 2020 12:27

Instrument :

MSVOA_U

ClientSampleId :

MDL03

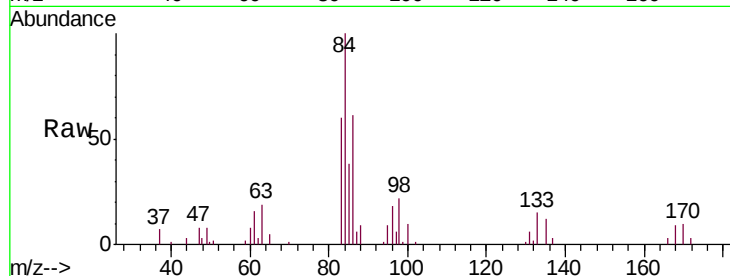
Tgt Ion: 83 Resp: 8879

Ion Ratio Lower Upper

83 100

85 62.9 44.7 82.9

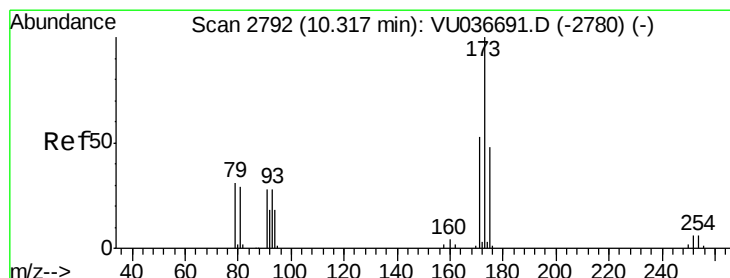
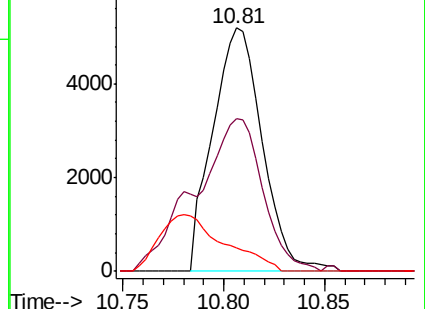
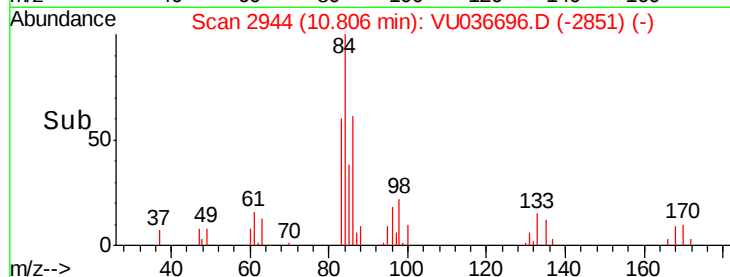
131 9.6 6.8 10.2



Abundance Ion 83.00 (82.70 to 83.70): VU036696.D (-2933) (-)

Ion 85.00 (84.70 to 85.70): VU036696.D (-2933) (-)

Ion 131.00 (130.70 to 131.70): VU036696.D (-2933) (-)



#59

Bromoform

Concen: 2.449 ug/L

RT: 10.32 min Scan# 2792

Delta R.T. 0.00 min

Lab File: VU036696.D

Acq: 07 Feb 2020 12:27

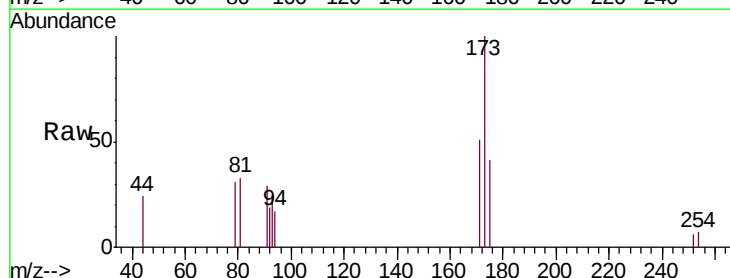
Tgt Ion: 173 Resp: 2832

Ion Ratio Lower Upper

173 100

175 44.1 38.2 57.4

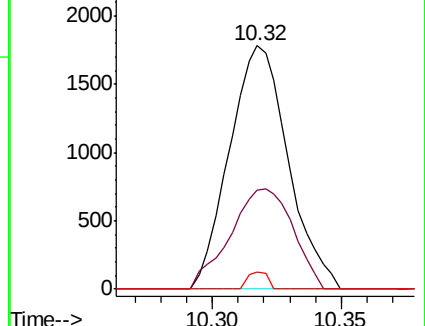
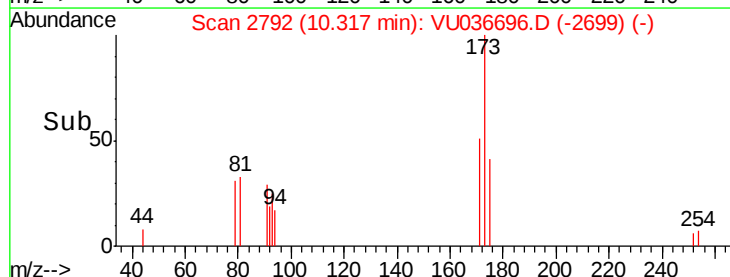
254 2.4 4.8 7.2#

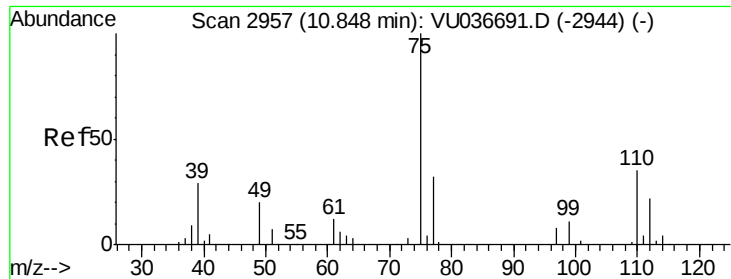


Abundance Ion 173.00 (172.70 to 173.70): VU036696.D (-2699) (-)

Ion 175.00 (174.70 to 175.70): VU036696.D (-2699) (-)

Ion 254.00 (253.70 to 254.70): VU036696.D (-2699) (-)

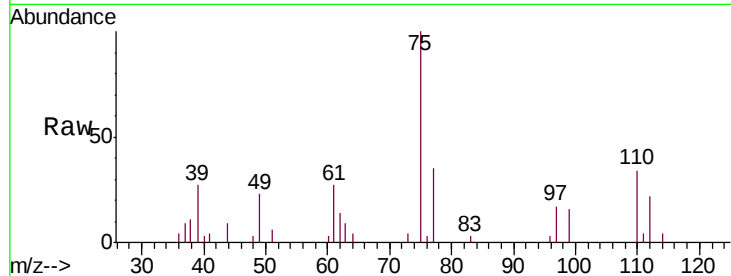




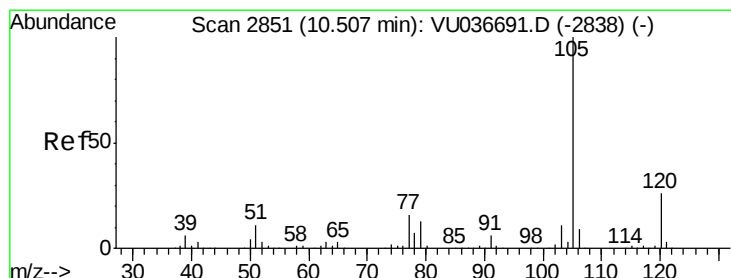
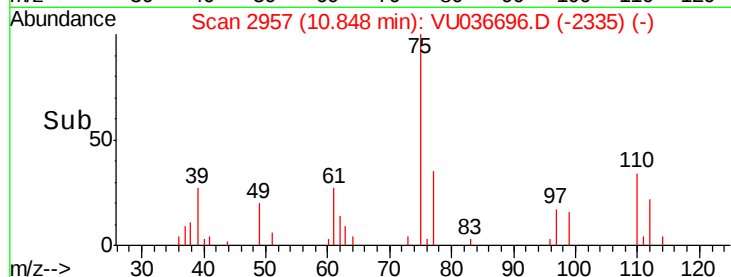
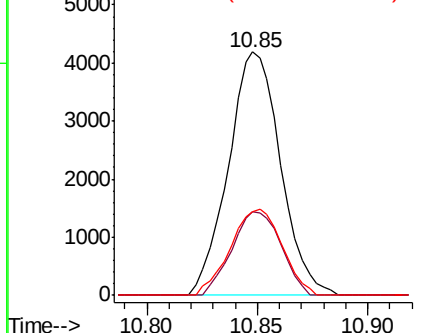
#60
 1,2,3-Trichloropropane
 Concen: 2.800 ug/L
 RT: 10.85 min Scan# 2957
 Delta R.T. 0.00 min
 Lab File: VU036696.D
 Acq: 07 Feb 2020 12:27

Instrument :
 MSVOA_U
 ClientSampled :
 MDL03

Tgt Ion: 75 Resp: 6895
 Ion Ratio Lower Upper
 75 100
 77 32.5 26.1 39.1
 110 34.9 26.9 40.3

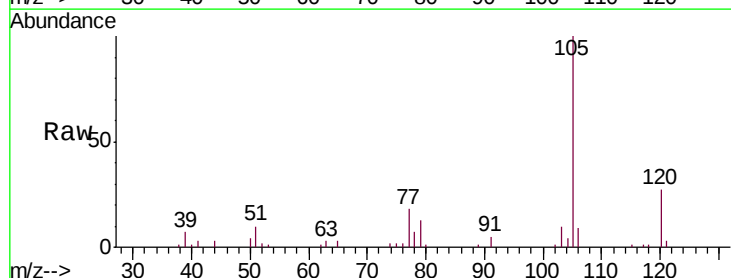


Abundance Ion 75.00 (74.70 to 75.70): VU036696.D (-2944) (-)
 Ion 77.00 (76.70 to 77.70): VU036696.D (-2944) (-)
 Ion 110.00 (109.70 to 110.70): VU036696.D (-2944) (-)

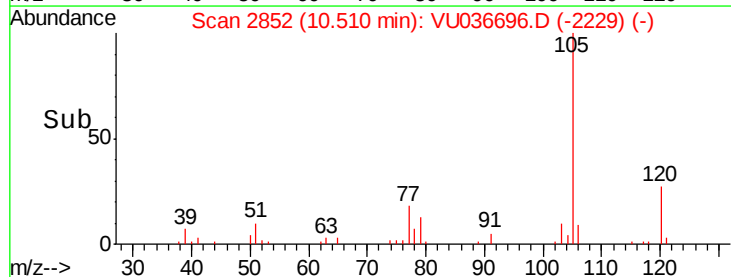
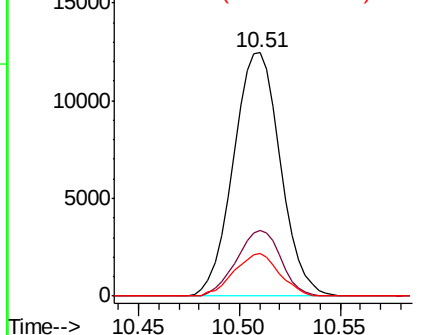


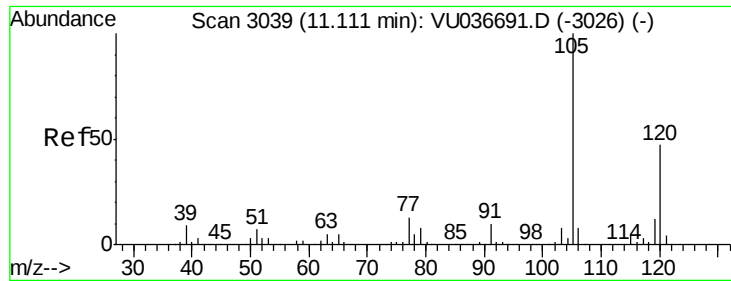
#61
 Isopropylbenzene
 Concen: 2.608 ug/L
 RT: 10.51 min Scan# 2852
 Delta R.T. 0.00 min
 Lab File: VU036696.D
 Acq: 07 Feb 2020 12:27

Tgt Ion: 105 Resp: 20328
 Ion Ratio Lower Upper
 105 100
 120 25.4 20.2 30.4
 77 16.9 13.0 19.6



Abundance Ion 105.00 (104.70 to 105.70): VU036696.D (-2838) (-)
 Ion 120.00 (119.70 to 120.70): VU036696.D (-2838) (-)
 Ion 77.00 (76.70 to 77.70): VU036696.D (-2838) (-)

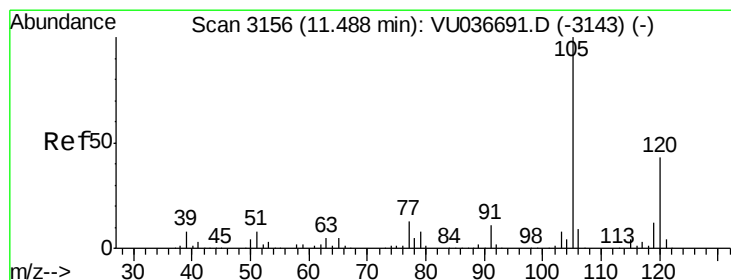
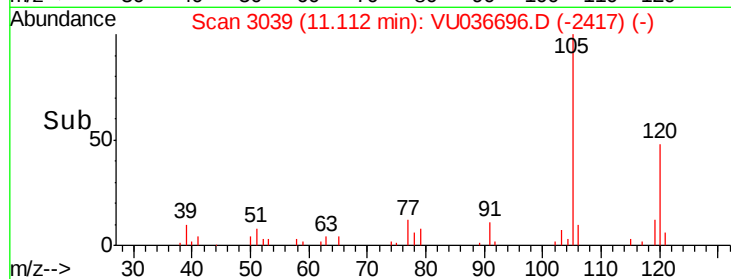
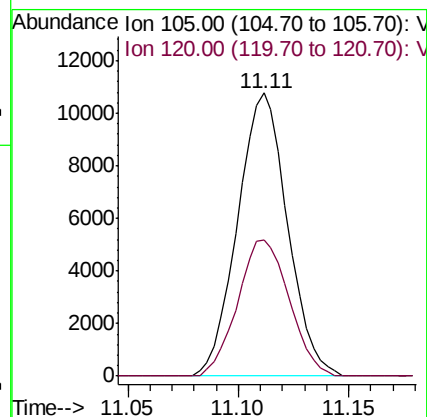
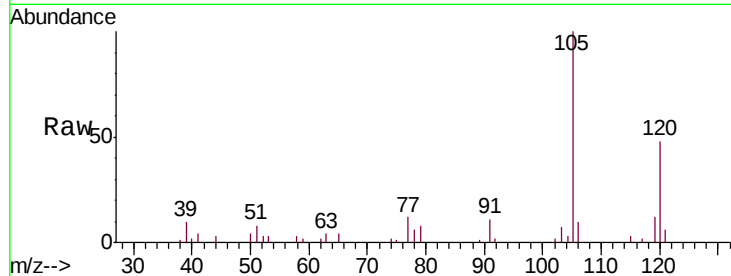




#62
 1,3,5-Trimethylbenzene
 Concen: 2.528 ug/L
 RT: 11.11 min Scan# 3039
 Delta R.T. 0.00 min
 Lab File: VU036696.D
 Acq: 07 Feb 2020 12:27

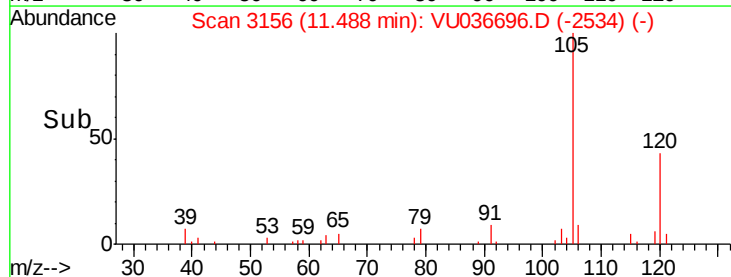
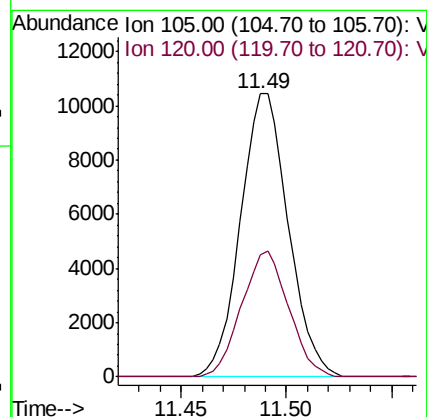
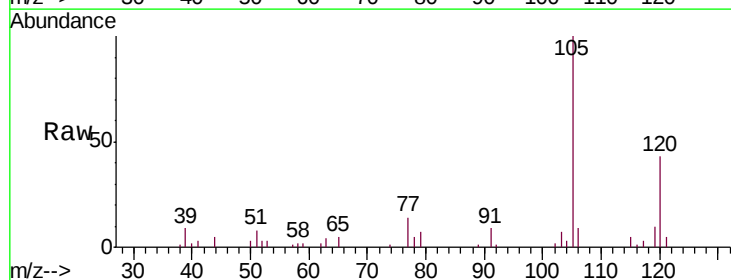
Instrument :
 MSVOA_U
 ClientSampleId :
 MDL03

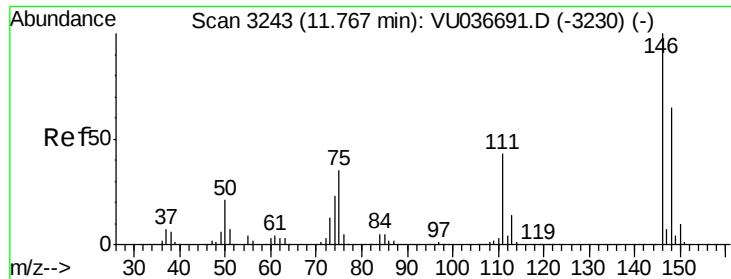
Tgt Ion:105 Resp: 16896
 Ion Ratio Lower Upper
 105 100
 120 49.6 37.1 55.7



#63
 1,2,4-Trimethylbenzene
 Concen: 2.464 ug/L
 RT: 11.49 min Scan# 3156
 Delta R.T. 0.00 min
 Lab File: VU036696.D
 Acq: 07 Feb 2020 12:27

Tgt Ion:105 Resp: 16440
 Ion Ratio Lower Upper
 105 100
 120 43.7 34.7 52.1

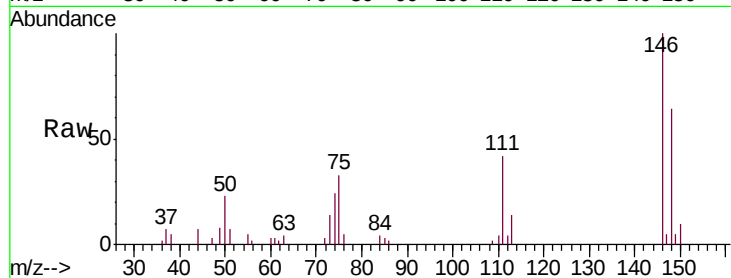




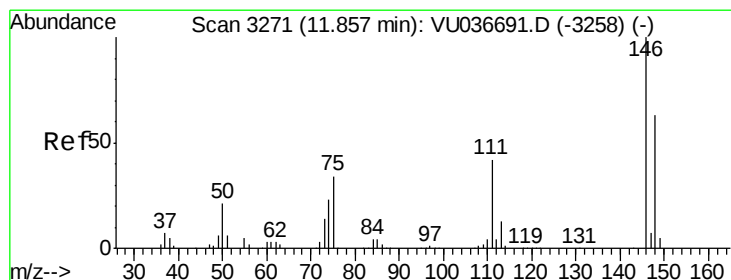
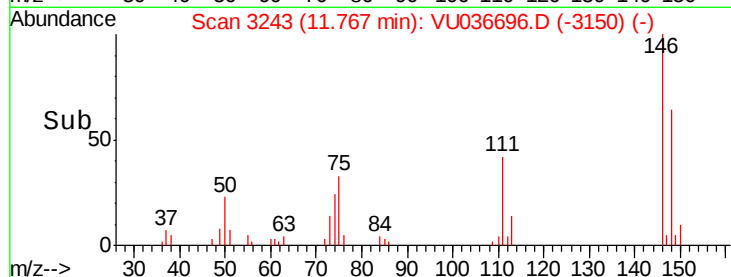
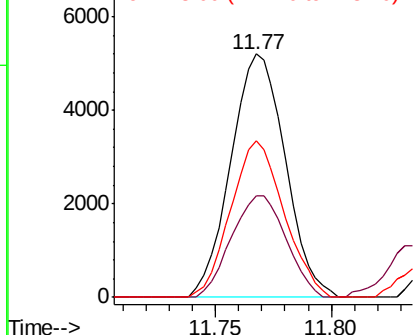
#64
 1,3-Dichlorobenzene
 Concen: 2.585 ug/L
 RT: 11.77 min Scan# 3243
 Delta R.T. 0.00 min
 Lab File: VU036696.D
 Acq: 07 Feb 2020 12:27

Instrument :
 MSVOA_U
 ClientSampleId :
 MDL03

Tgt Ion:146 Resp: 8474
 Ion Ratio Lower Upper
 146 100
 111 41.7 30.4 56.4
 148 64.4 44.5 82.7

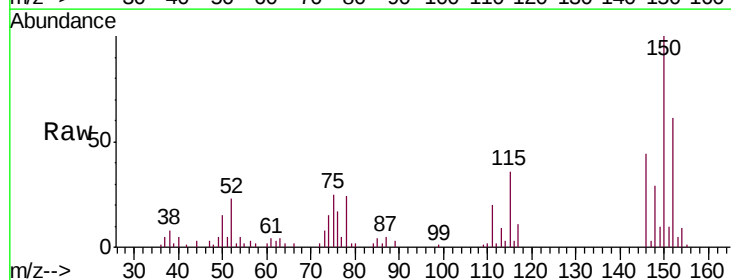


Abundance Ion 146.00 (145.70 to 146.70): V
 Ion 111.00 (110.70 to 111.70): V
 Ion 148.00 (147.70 to 148.70): V

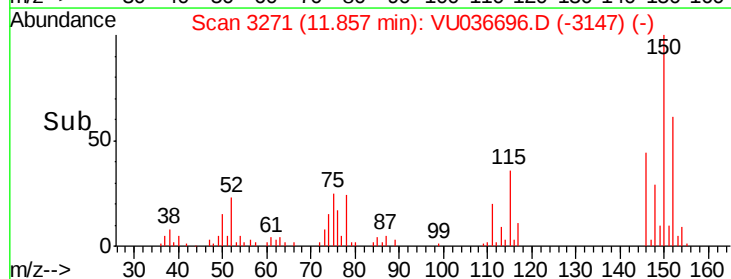
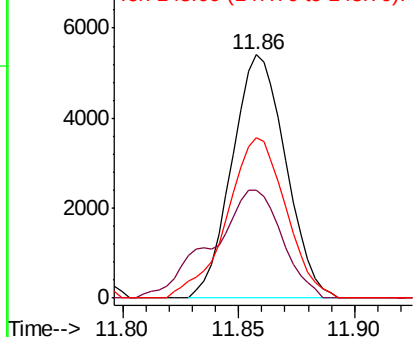


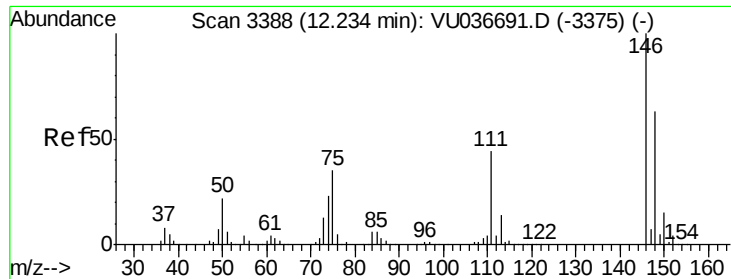
#65
 1,4-Dichlorobenzene
 Concen: 2.634 ug/L
 RT: 11.86 min Scan# 3271
 Delta R.T. 0.00 min
 Lab File: VU036696.D
 Acq: 07 Feb 2020 12:27

Tgt Ion:146 Resp: 8694
 Ion Ratio Lower Upper
 146 100
 111 44.5 29.3 54.3
 148 66.1 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: 2.701 ug/L

RT: 12.24 min Scan# 3389

Delta R.T. 0.00 min

Lab File: VU036696.D

Acq: 07 Feb 2020 12:27

Instrument :

MSVOA_U

ClientSampleId :

MDL03

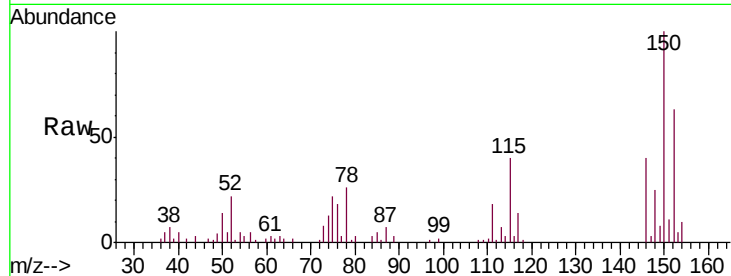
Tgt Ion:146 Resp: 8965

Ion Ratio Lower Upper

146 100

111 43.8 35.4 53.0

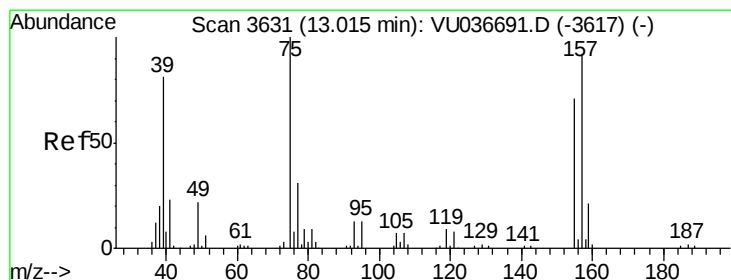
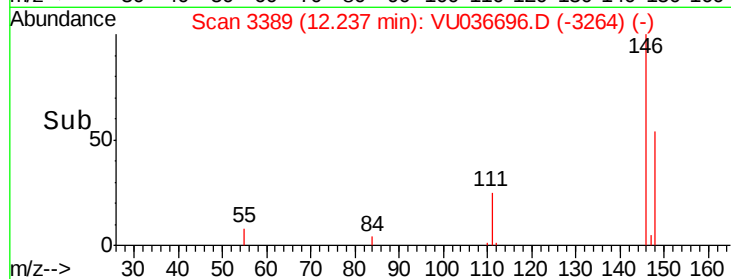
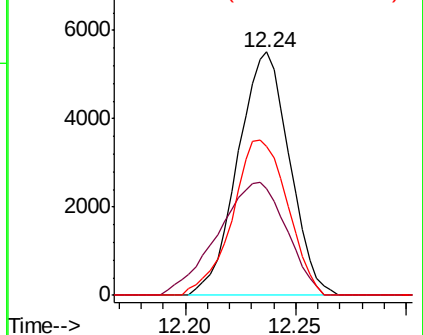
148 61.3 50.4 75.6



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



#68

1,2-Dibromo-3-chloropropane

Concen: 2.372 ug/L

RT: 13.02 min Scan# 3632

Delta R.T. 0.00 min

Lab File: VU036696.D

Acq: 07 Feb 2020 12:27

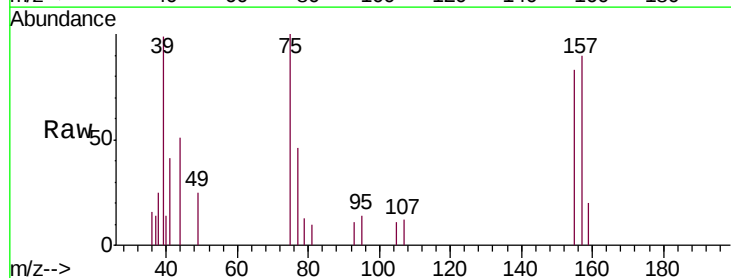
Tgt Ion: 75 Resp: 1669

Ion Ratio Lower Upper

75 100

155 83.3 58.7 88.1

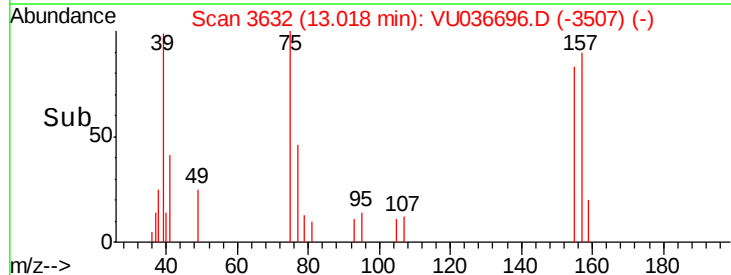
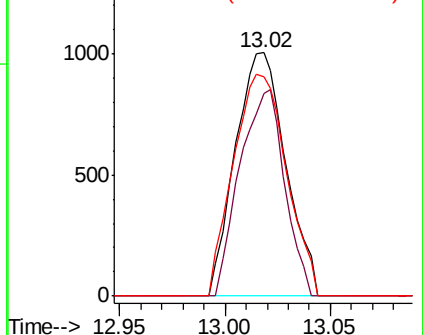
157 90.0 77.8 116.6

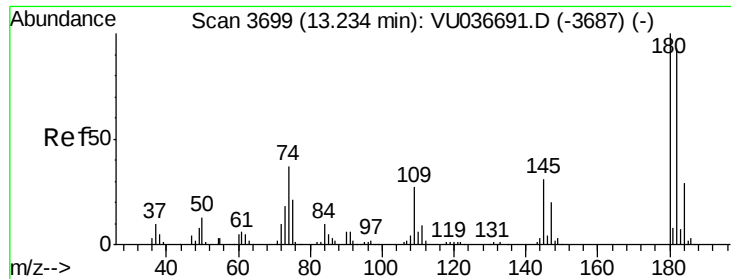


Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

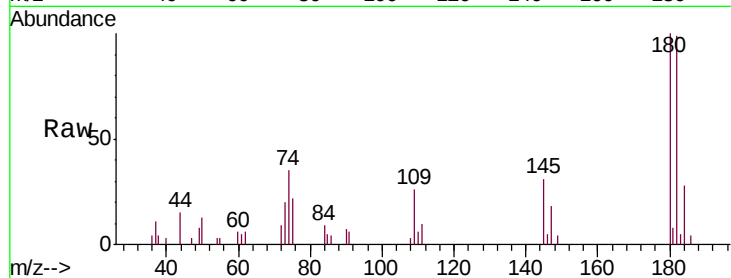




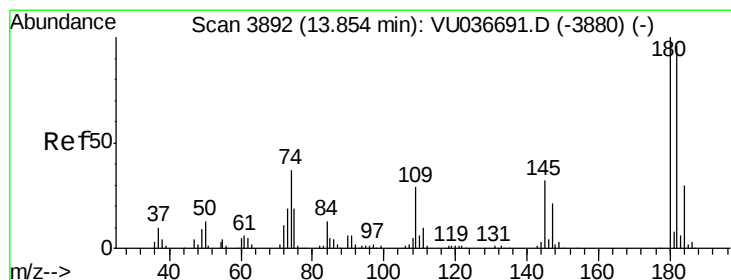
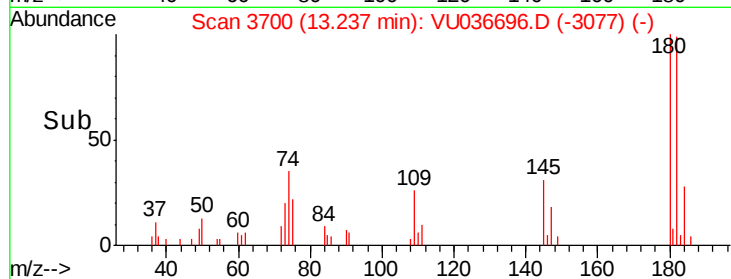
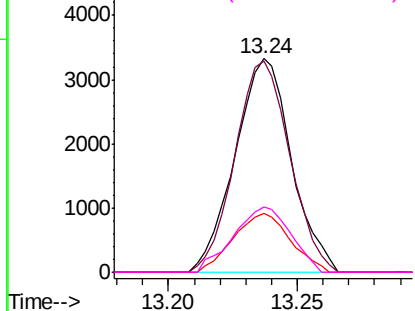
#69
 1,3,5-Trichlorobenzene
 Concen: 2.223 ug/L
 RT: 13.24 min Scan# 3700
 Delta R.T. 0.00 min
 Lab File: VU036696.D
 Acq: 07 Feb 2020 12:27

Instrument :
 MSVOA_U
 ClientSampleId :
 MDL03

Tgt Ion:180 Resp: 5054
 Ion Ratio Lower Upper
 180 100
 182 96.4 76.2 114.4
 184 27.9 23.8 35.6
 145 30.9 25.0 37.6

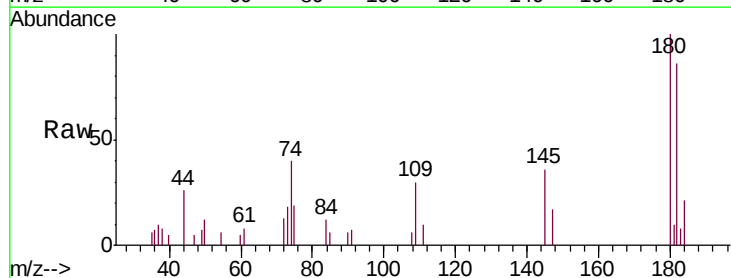


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

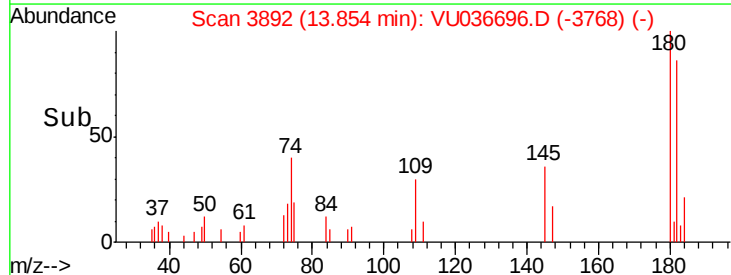
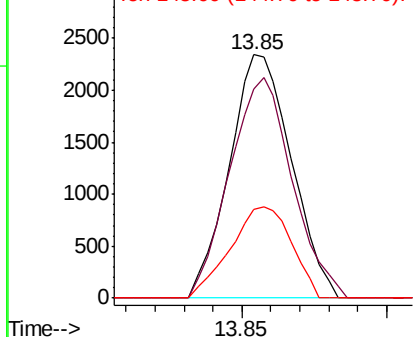


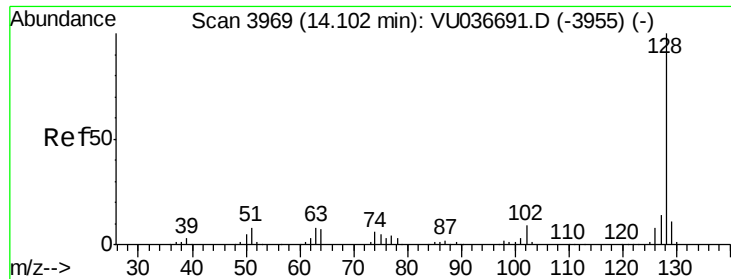
#70
 1,2,4-trichlorobenzene
 Concen: 1.836 ug/L
 RT: 13.85 min Scan# 3892
 Delta R.T. 0.00 min
 Lab File: VU036696.D
 Acq: 07 Feb 2020 12:27

Tgt Ion:180 Resp: 3480
 Ion Ratio Lower Upper
 180 100
 182 91.4 76.1 114.1
 145 36.9 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

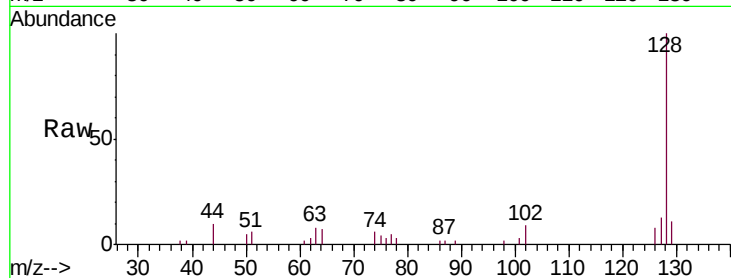




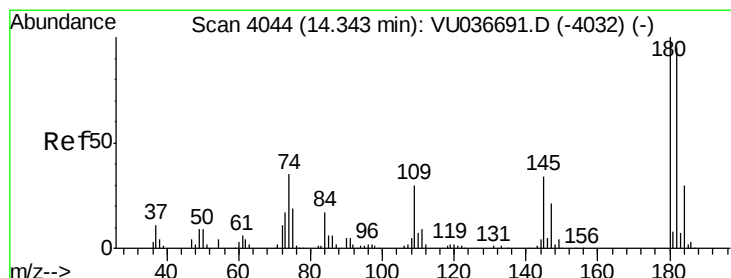
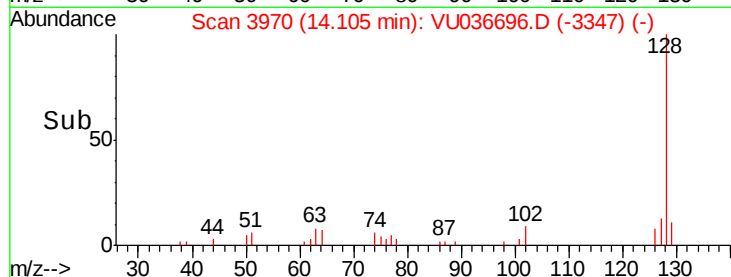
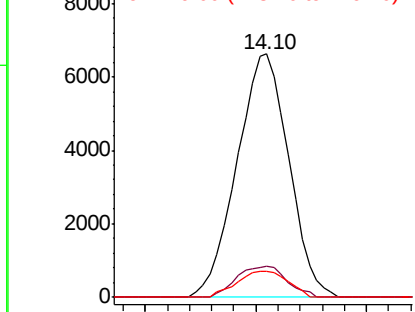
#71
Naphthalene
Concen: 1.612 ug/L
RT: 14.10 min Scan# 3970
Delta R.T. 0.00 min
Lab File: VU036696.D
Acq: 07 Feb 2020 12:27

Instrument :
MSVOA_U
ClientSampleId :
MDL03

Tgt Ion:128 Resp: 10769
Ion Ratio Lower Upper
128 100
127 12.5 10.6 16.0
129 10.5 8.5 12.7

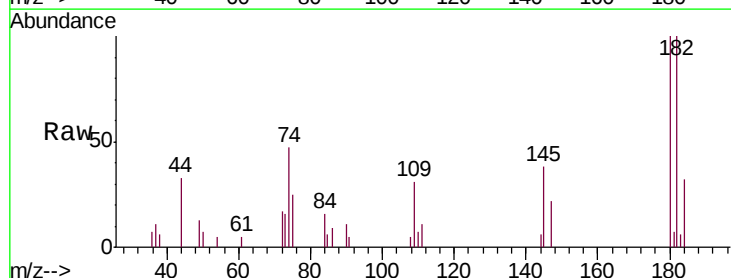


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#72
1,2,3-Trichlorobenzene
Concen: 1.828 ug/L
RT: 14.34 min Scan# 4044
Delta R.T. 0.00 min
Lab File: VU036696.D
Acq: 07 Feb 2020 12:27

Tgt Ion:180 Resp: 3452
Ion Ratio Lower Upper
180 100
182 100.6 76.8 115.2
145 39.7 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

