

Data File : VU027899.D
Acq On : 01 Nov 2018 12:48
Operator : MD/SY
Sample : MDL06
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
MDL06

Quant Time: Nov 02 08:08:07 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR103018WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Fri Nov 02 08:02:52 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.89	114	84289	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	82046	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	40717	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	22922	3.48	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	69.60%
7) Chloroethane-d5	1.68	69	18376	3.61	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	72.20%
11) 1,1-Dichloroethene-d2	2.28	63	35670	2.85	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	57.00%#
20) 2-Butanone-d5	4.20	46	83294	42.40	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	84.80%
24) Chloroform-d	4.65	84	42542	3.59	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	71.80%
26) 1,2-Dichloroethane-d4	5.31	65	29105	4.27	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	85.40%
32) Benzene-d6	5.34	84	83835	3.73	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	74.60%
36) 1,2-Dichloropropane-d6	6.33	67	30244	3.80	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	76.00%
41) Toluene-d8	7.57	98	78315	3.67	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	73.40%
43) trans-1,3-Dichloropropene-	7.85	79	11290	3.67	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	73.40%
46) 2-Hexanone-d5	8.31	63	66898	39.73	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	79.46%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	22568	4.01	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	80.20%
64) 1,2-Dichlorobenzene-d4	11.86	152	29503	3.79	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	75.80%#

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.21	85	2426	0.292 ug/L	90
3) Chloromethane	1.33	50	2528	0.307 ug/L	93
5) Vinyl chloride	1.40	62	2460	0.300 ug/L #	81
6) Bromomethane	1.63	94	869	0.323 ug/L	79
8) Chloroethane	1.70	64	2217	0.462 ug/L	100
9) Trichlorofluoromethane	1.89	101	3839	0.353 ug/L	92
10) 1,1,2-Trichloro-1,2,2-trif	2.29	101	1769	0.319 ug/L #	43
12) 1,1-Dichloroethene	2.29	96	1776	0.339 ug/L #	1
13) Acetone	2.32	43	4567	3.688 ug/L	90
14) Carbon disulfide	2.48	76	5185	0.277 ug/L #	94
15) Methyl Acetate	2.62	43	1382	0.417 ug/L #	83
16) Methylene chloride	2.70	84	1847	0.314 ug/L #	91
17) Methyl tert-butyl Ether	3.01	73	4728	0.303 ug/L #	87
18) trans-1,2-Dichloroethene	2.98	96	1776	0.319 ug/L	92
19) 1,1-Dichloroethane	3.45	63	3885	0.331 ug/L	95
21) 2-Butanone	4.29	43	7318	3.399 ug/L	91
22) cis-1,2-Dichloroethene	4.22	96	1900	0.295 ug/L	83

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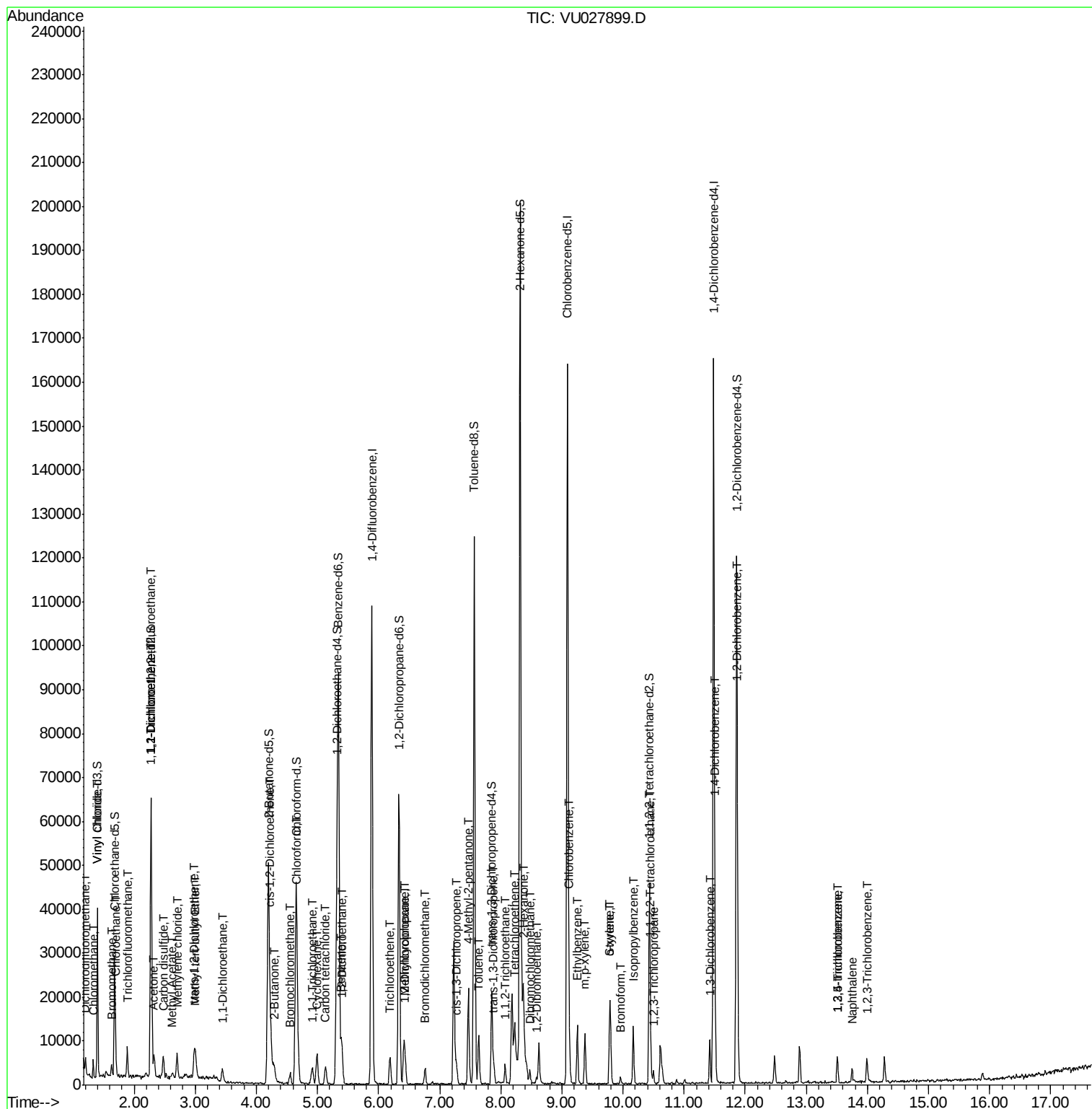
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.55	128	746	0.280	ug/L #	68
25) Chloroform	4.67	83	8637	0.725	ug/L	90
27) 1,2-Dichloroethane	5.41	62	2693	0.324	ug/L #	78
29) 1,1,1-Trichloroethane	4.92	97	3136	0.296	ug/L #	78
30) Cyclohexane	4.99	56	3694	0.297	ug/L #	89
31) Carbon tetrachloride	5.13	117	2734	0.301	ug/L	92
33) Benzene	5.39	78	8126	0.313	ug/L	100
34) Trichloroethene	6.19	95	2051	0.303	ug/L	95
35) Methylcyclohexane	6.41	83	3321	0.289	ug/L	92
37) 1,2-Dichloropropane	6.44	63	1876	0.253	ug/L #	90
38) Bromodichloromethane	6.76	83	2694	0.311	ug/L #	93
39) cis-1,3-Dichloropropene	7.28	75	2745	0.259	ug/L	94
40) 4-Methyl-2-pentanone	7.47	43	15752	3.012	ug/L	97
42) Toluene	7.64	91	8115	0.299	ug/L	96
44) trans-1,3-Dichloropropene	7.89	75	2416	0.265	ug/L #	75
45) 1,1,2-Trichloroethane	8.07	97	1166	0.256	ug/L	96
47) Tetrachloroethene	8.23	164	1627	0.313	ug/L	85
48) 2-Hexanone	8.37	43	12973	3.441	ug/L #	93
49) Dibromochloromethane	8.48	129	1491	0.271	ug/L	87
50) 1,2-Dibromoethane	8.59	107	1230	0.282	ug/L #	88
51) Chlorobenzene	9.12	112	5104	0.303	ug/L	88
52) Ethylbenzene	9.25	91	9223	0.298	ug/L	95
53) m,p-xylene	9.38	106	2819	0.251	ug/L	78
54) o-xylene	9.78	106	3188	0.289	ug/L	100
55) Styrene	9.79	104	5305	0.287	ug/L	94
56) Isopropylbenzene	10.17	105	8700	0.289	ug/L	96
58) 1,1,2,2-Tetrachloroethane	10.46	83	1529	0.258	ug/L #	98
59) 1,2,3-Trichloropropane	10.49	75	1450	0.323	ug/L	94
61) Bromoform	9.97	173	837	0.279	ug/L #	91
62) 1,3-Dichlorobenzene	11.42	146	4175	0.319	ug/L	90
63) 1,4-Dichlorobenzene	11.51	146	4166	0.318	ug/L	96
65) 1,2-Dichlorobenzene	11.88	146	3507	0.284	ug/L	89
67) 1,3,5-Trichlorobenzene	13.51	180	2328	0.221	ug/L	93
68) 1,2,4-trichlorobenzene	13.51	180	2328	0.260	ug/L	92
69) Naphthalene	13.75	128	3428	0.246	ug/L #	89
70) 1,2,3-Trichlorobenzene	13.99	180	2451	0.300	ug/L #	88

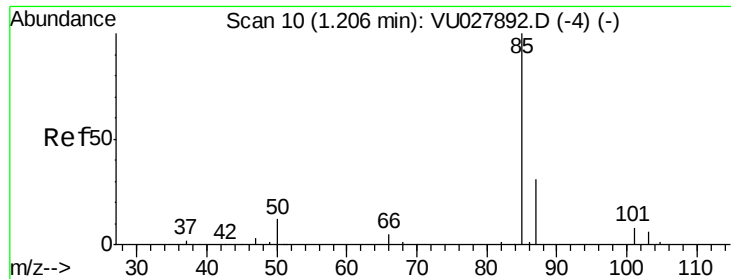
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#2

Dichlorodifluoromethane

Concen: 0.292 ug/L

RT: 1.21 min Scan# 10

Delta R.T. -0.00 min

Lab File: VU027899.D

Acq: 01 Nov 2018 12:48

Instrument :

MSVOA_U

ClientSampleId :

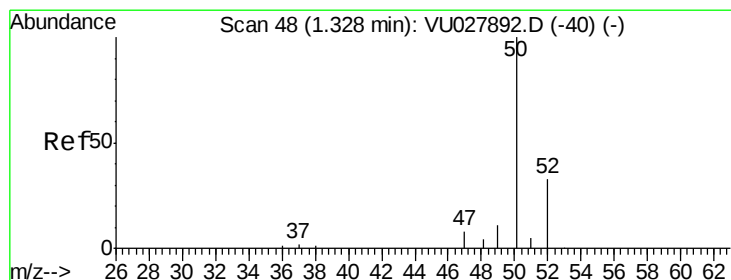
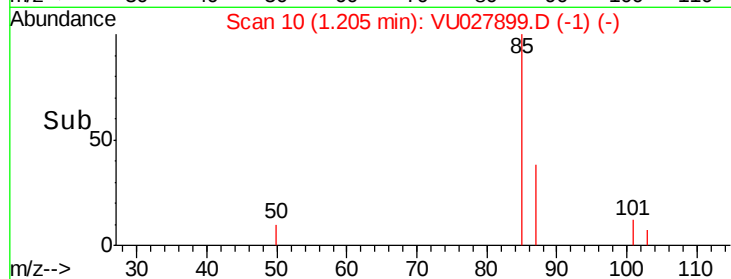
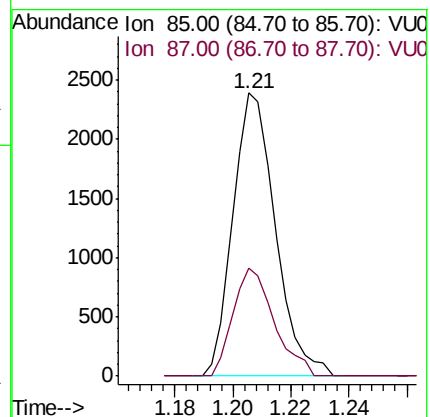
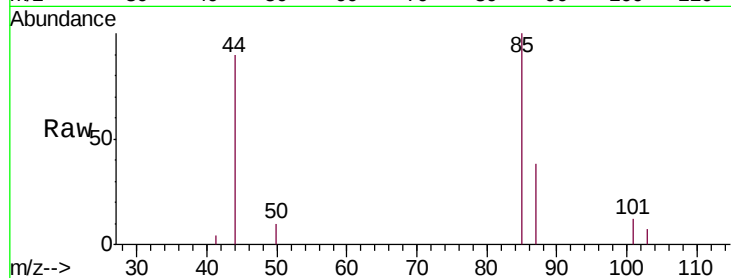
MDL06

Tgt Ion: 85 Resp: 2426

Ion Ratio Lower Upper

85 100

87 36.8 25.2 37.8



#3

Chloromethane

Concen: 0.307 ug/L

RT: 1.33 min Scan# 49

Delta R.T. 0.00 min

Lab File: VU027899.D

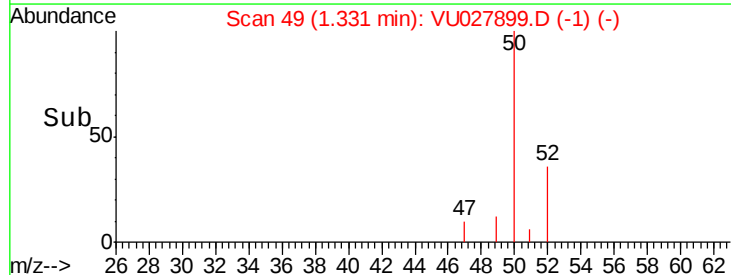
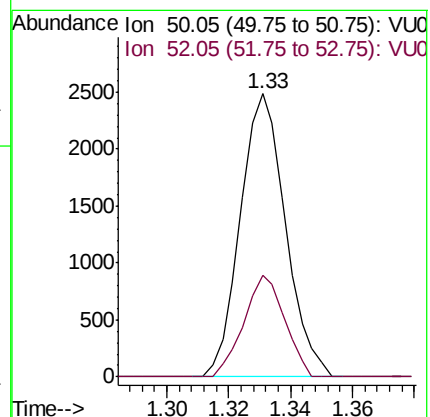
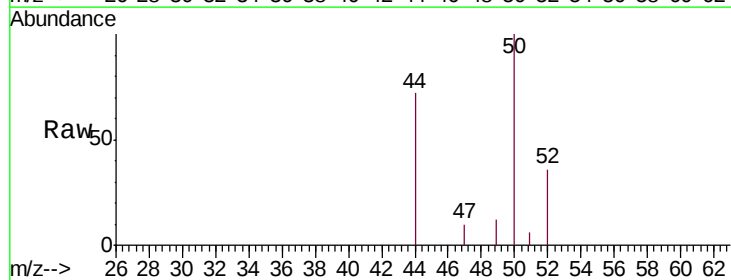
Acq: 01 Nov 2018 12:48

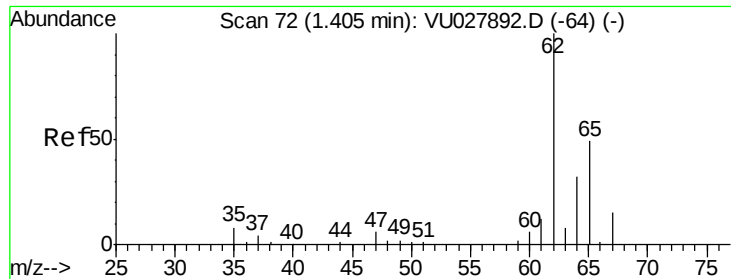
Tgt Ion: 50 Resp: 2528

Ion Ratio Lower Upper

50 100

52 35.9 22.3 41.5





#5

Vinyl chloride

Concen: 0.300 ug/L

RT: 1.40 min Scan# 72

Delta R.T. -0.00 min

Lab File: VU027899.D

Acq: 01 Nov 2018 12:48

Instrument :

MSVOA_U

ClientSampleId :

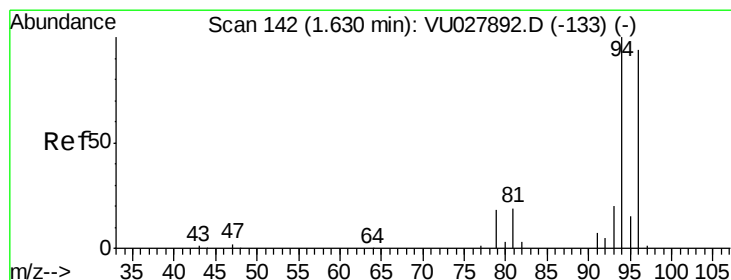
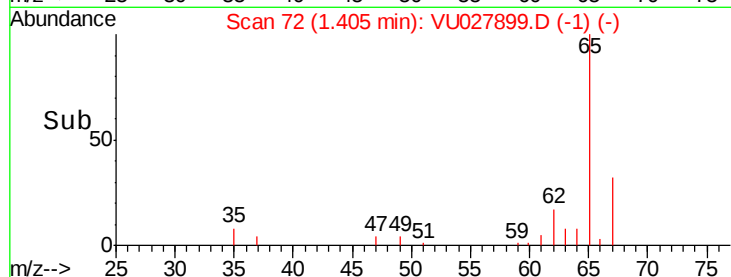
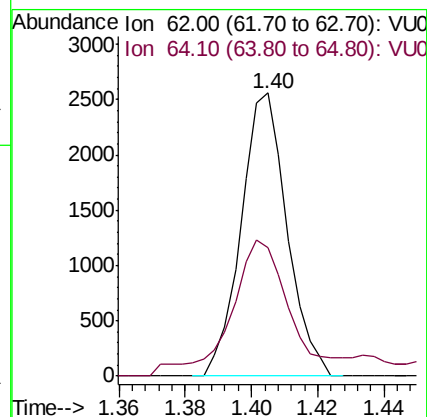
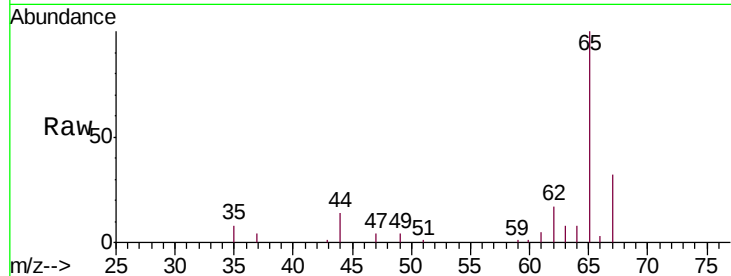
MDL06

Tgt Ion: 62 Resp: 2460

Ion Ratio Lower Upper

62 100

64 45.4 24.0 44.6#



#6

Bromomethane

Concen: 0.323 ug/L

RT: 1.63 min Scan# 142

Delta R.T. -0.00 min

Lab File: VU027899.D

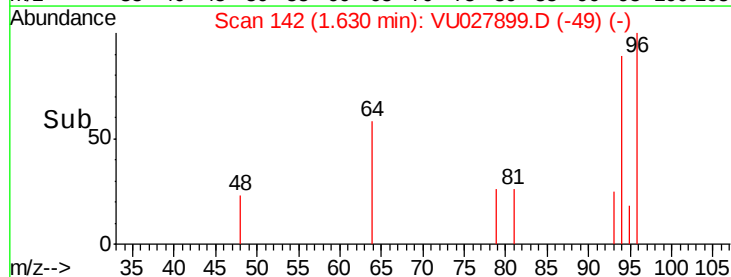
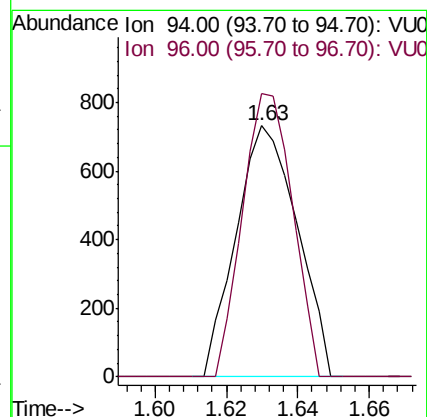
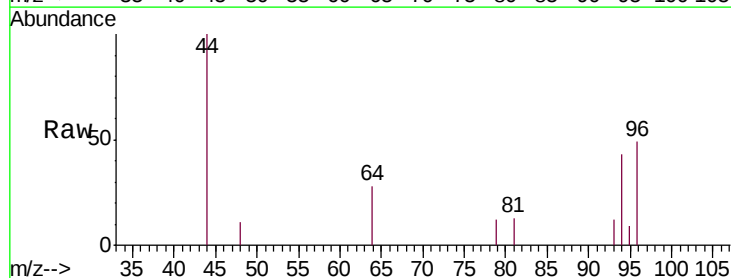
Acq: 01 Nov 2018 12:48

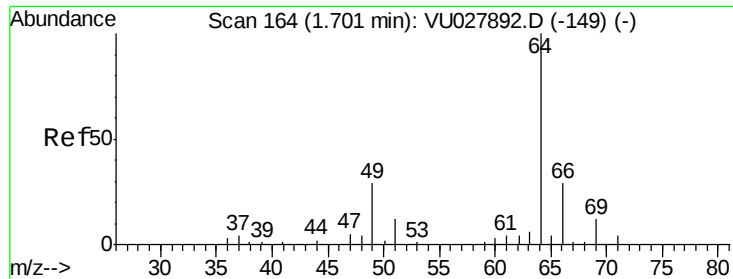
Tgt Ion: 94 Resp: 869

Ion Ratio Lower Upper

94 100

96 112.9 65.0 120.6





#8

Chloroethane

Concen: 0.462 ug/L

RT: 1.70 min Scan# 165

Delta R.T. 0.00 min

Lab File: VU027899.D

Acq: 01 Nov 2018 12:48

Instrument :

MSVOA_U

ClientSampleId :

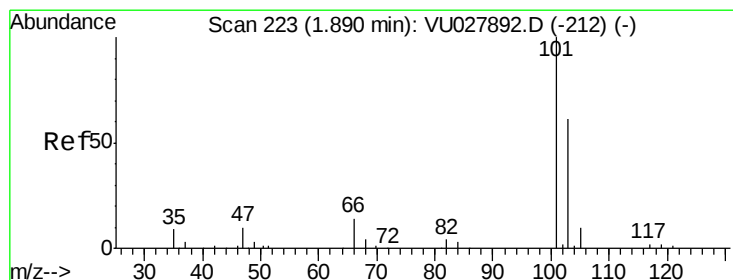
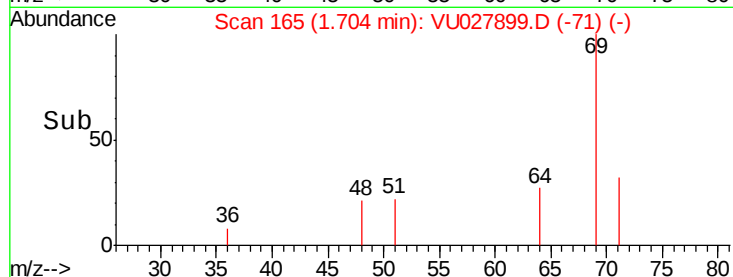
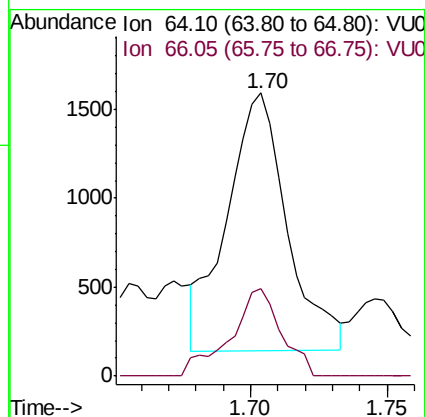
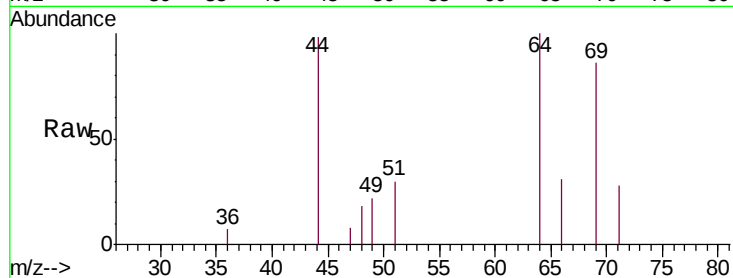
MDL06

Tgt Ion: 64 Resp: 2217

Ion Ratio Lower Upper

64 100

66 31.0 21.8 40.6



#9

Trichlorofluoromethane

Concen: 0.353 ug/L

RT: 1.89 min Scan# 223

Delta R.T. -0.00 min

Lab File: VU027899.D

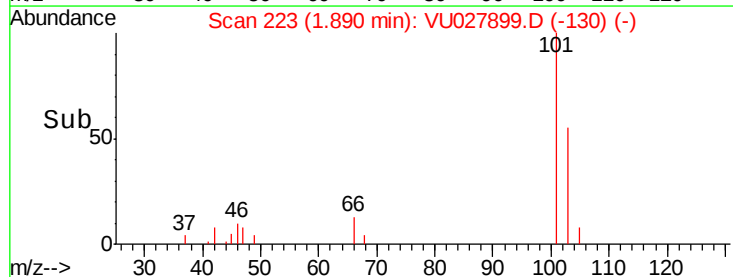
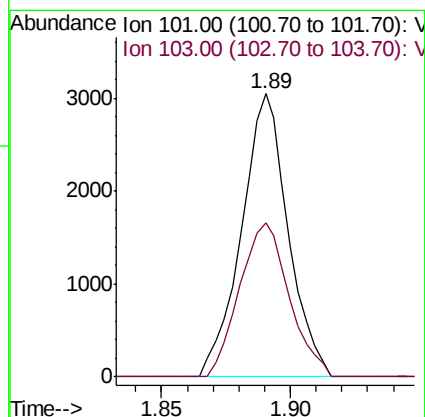
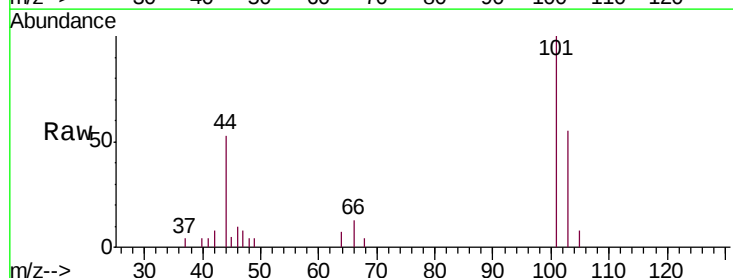
Acq: 01 Nov 2018 12:48

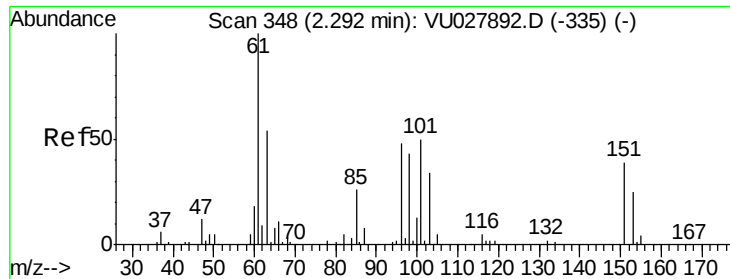
Tgt Ion: 101 Resp: 3839

Ion Ratio Lower Upper

101 100

103 57.9 51.4 77.0





#10

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

Concen: 0.319 ug/L

RT: 2.29 min Scan# 347

Delta R.T. -0.00 min

Lab File: VU027899.D

Acq: 01 Nov 2018 12:48

Instrument :

MSVOA_U

ClientSampled :

MDL06

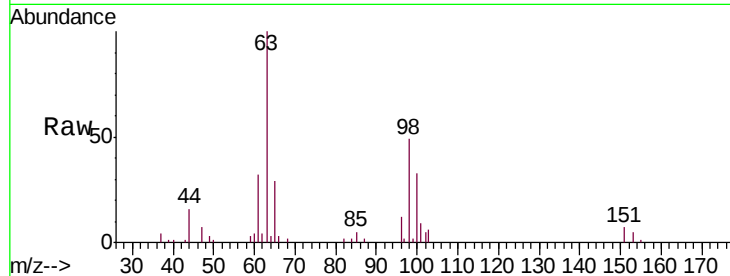
Tgt Ion: 101 Resp: 1769

Ion Ratio Lower Upper

101 100

85 42.2 37.1 55.7

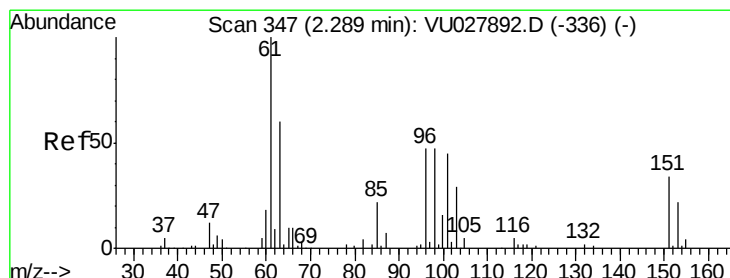
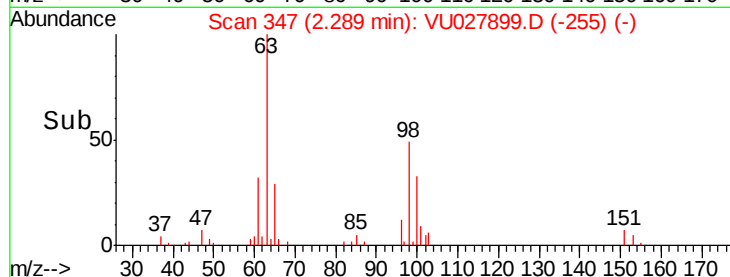
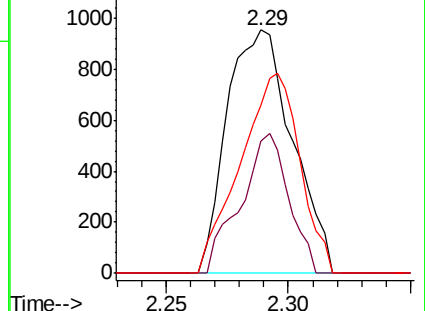
151 0.0 59.9 89.9#



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VU0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 0.339 ug/L

RT: 2.29 min Scan# 346

Delta R.T. -0.00 min

Lab File: VU027899.D

Acq: 01 Nov 2018 12:48

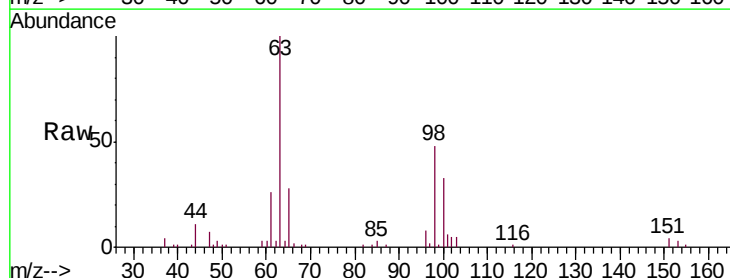
Tgt Ion: 96 Resp: 1776

Ion Ratio Lower Upper

96 100

61 307.3 141.1 262.1#

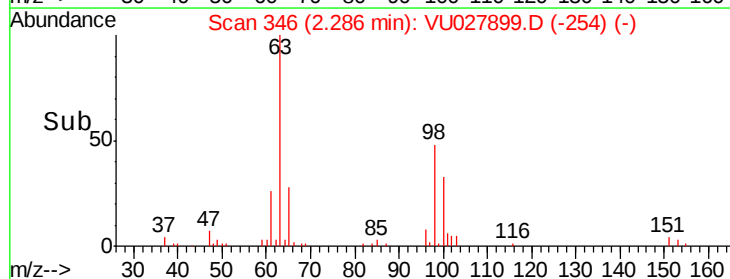
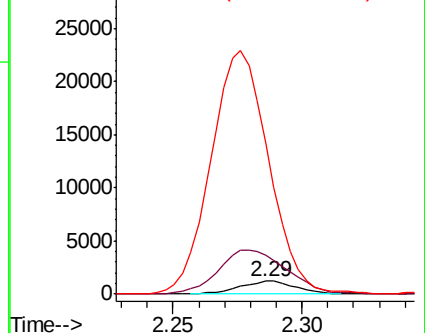
63 1180.5 113.0 209.9#

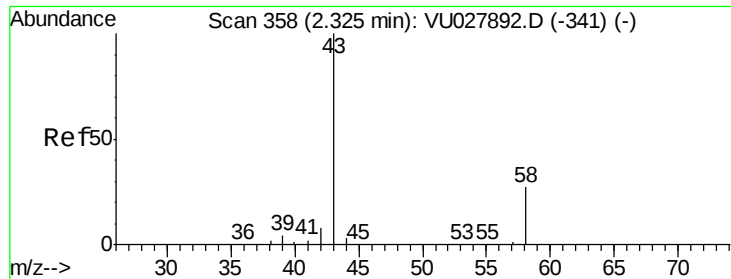


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 3.688 ug/L

RT: 2.32 min Scan# 358

Delta R.T. -0.00 min

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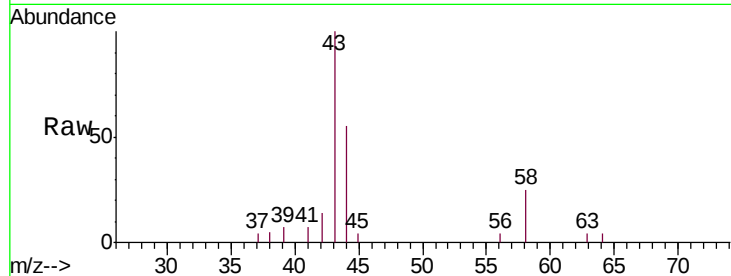
MDL06

Tgt Ion: 43 Resp: 4567

Ion Ratio Lower Upper

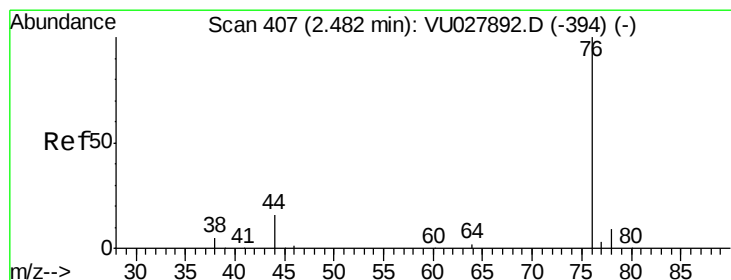
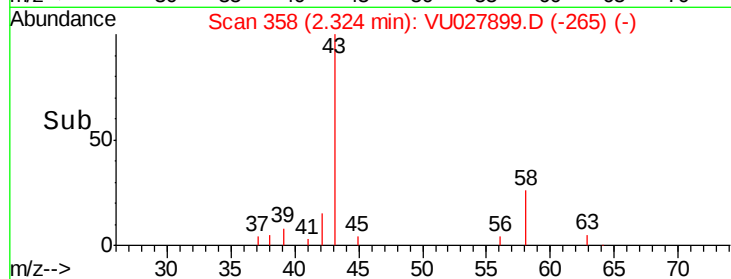
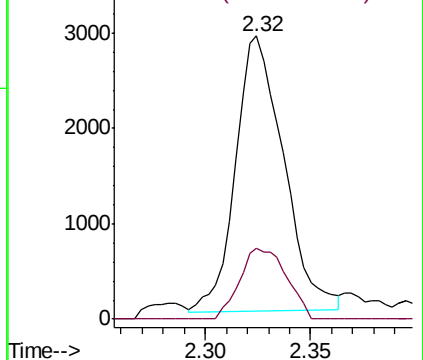
43 100

58 25.0 0.0 61.4



Abundance Ion 43.05 (42.75 to 43.75): VU0

Ion 58.05 (57.75 to 58.75): VU0



#14

Carbon disulfide

Concen: 0.277 ug/L

RT: 2.48 min Scan# 406

Delta R.T. -0.00 min

Lab File: VU027899.D

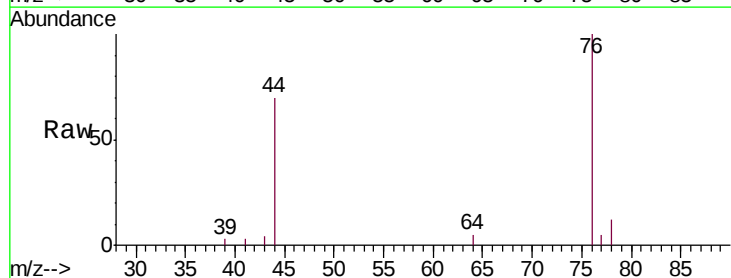
Acq: 01 Nov 2018 12:48

Tgt Ion: 76 Resp: 5185

Ion Ratio Lower Upper

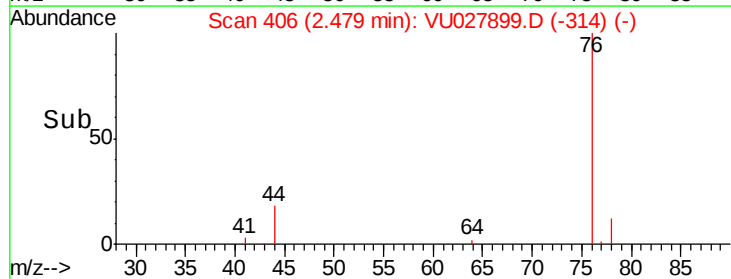
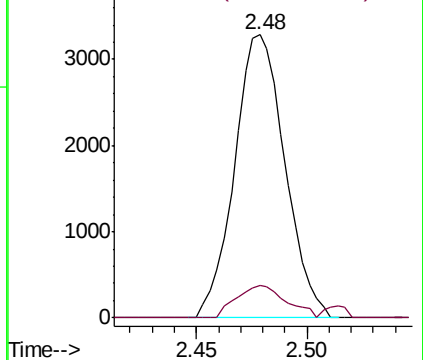
76 100

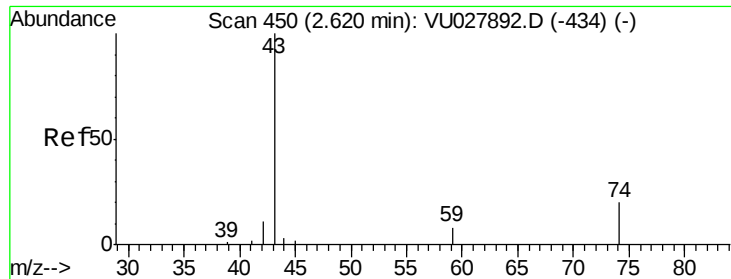
78 11.7 7.5 11.3#



Abundance Ion 76.05 (75.75 to 76.75): VU0

Ion 78.00 (77.70 to 78.70): VU0





#15

Methyl Acetate

Concen: 0.417 ug/L

RT: 2.62 min Scan# 451

Delta R.T. 0.00 min

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Acq: 01 Nov 2018 12:48

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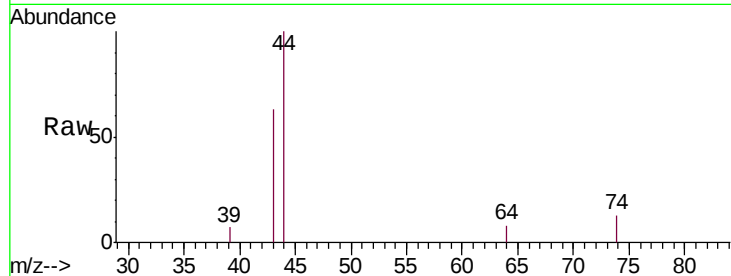
MDL06

Tgt Ion: 43 Resp: 1382

Ion Ratio Lower Upper

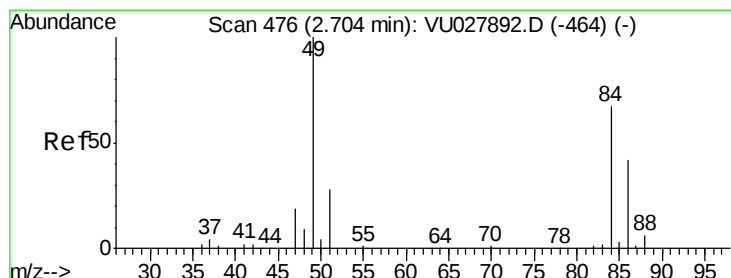
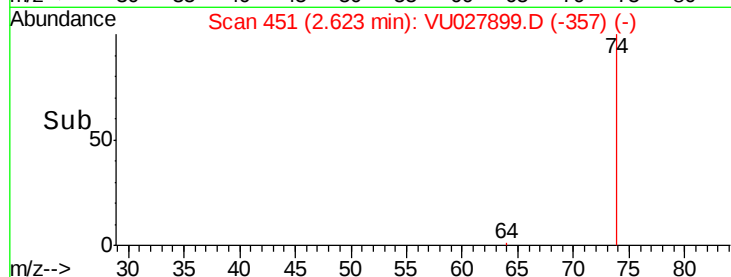
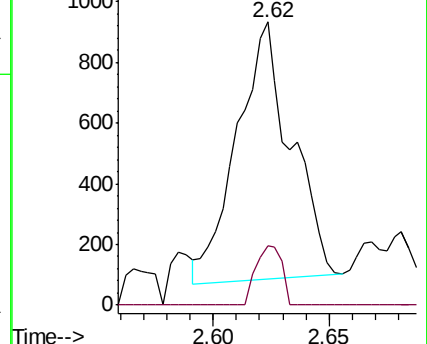
43 100

74 11.0 14.9 22.3#



Abundance Ion 43.05 (42.75 to 43.75): VU0

Ion 74.05 (73.75 to 74.75): VU0



#16

Methylene chloride

Concen: 0.314 ug/L

RT: 2.70 min Scan# 475

Delta R.T. -0.00 min

Lab File: VU027899.D

Acq: 01 Nov 2018 12:48

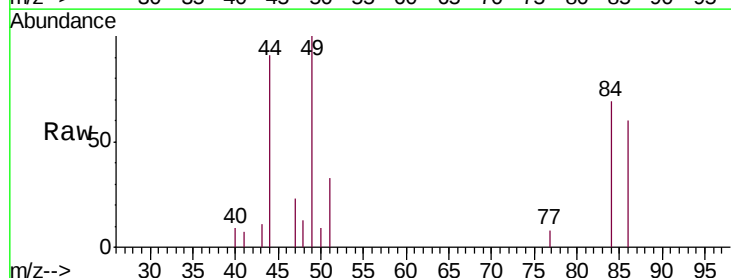
Tgt Ion: 84 Resp: 1847

Ion Ratio Lower Upper

84 100

86 87.7 46.7 86.7#

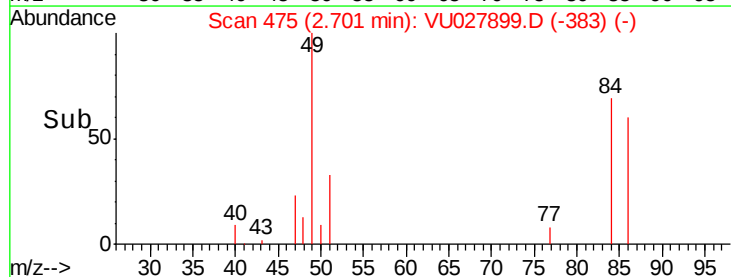
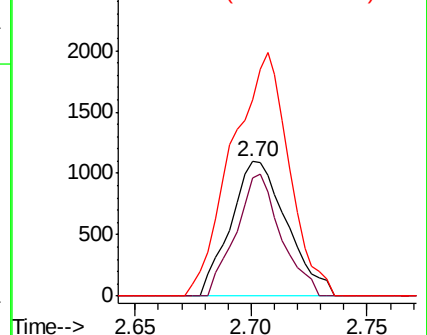
49 146.0 101.3 188.1

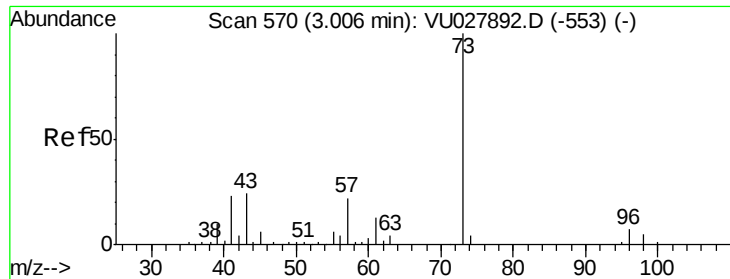


Abundance Ion 84.05 (83.75 to 84.75): VU0

Ion 86.00 (85.70 to 86.70): VU0

Ion 49.10 (48.80 to 49.80): VU0





#17

Methyl tert-butyl Ether

Concen: 0.303 ug/L

RT: 3.01 min Scan# 570

Delta R.T. -0.00 min

Lab File: VU027899.D

Acq: 01 Nov 2018 12:48

Instrument :

MSVOA_U

ClientSampleId :

MDL06

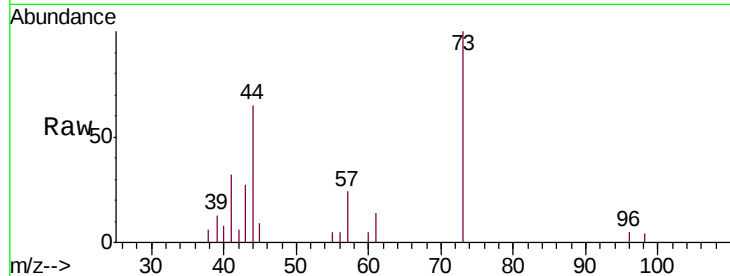
Tgt Ion: 73 Resp: 4728

Ion Ratio Lower Upper

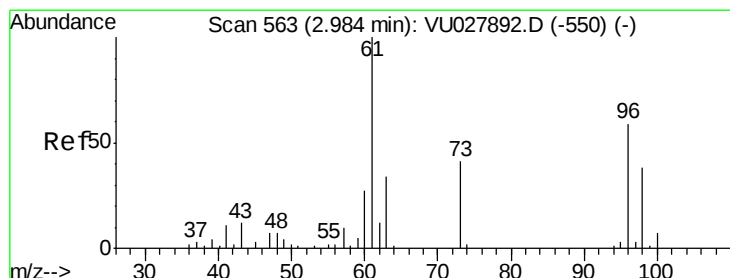
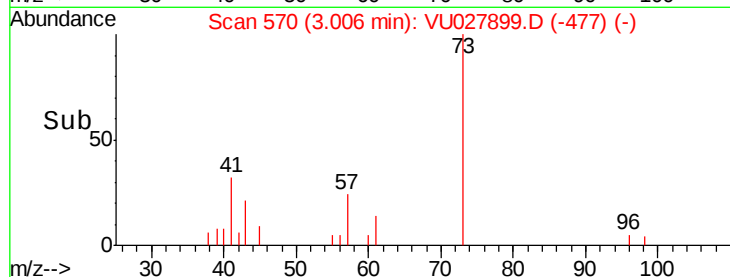
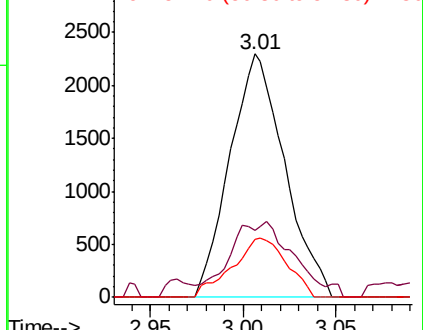
73 100

43 11.6 18.7 28.1#

57 24.1 18.7 28.1



Abundance Ion 73.10 (72.80 to 73.80): VU0
Ion 43.05 (42.75 to 43.75): VU0
Ion 57.10 (56.80 to 57.80): VU0



#18

trans-1,2-Dichloroethene

Concen: 0.319 ug/L

RT: 2.98 min Scan# 563

Delta R.T. -0.00 min

Lab File: VU027899.D

Acq: 01 Nov 2018 12:48

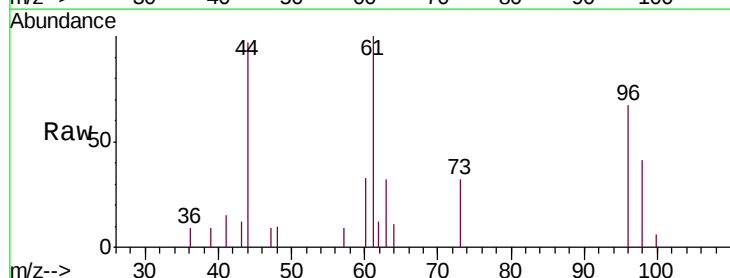
Tgt Ion: 96 Resp: 1776

Ion Ratio Lower Upper

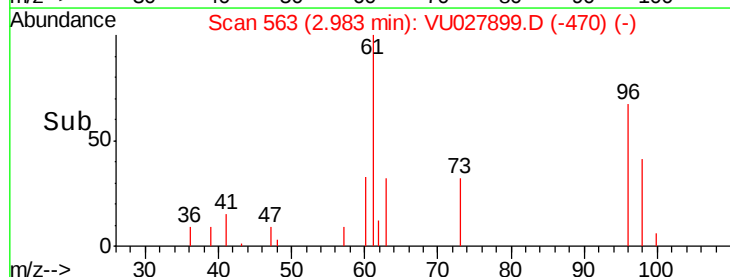
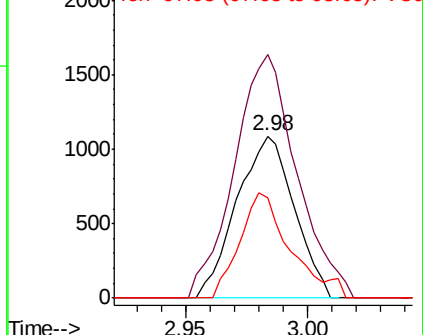
96 100

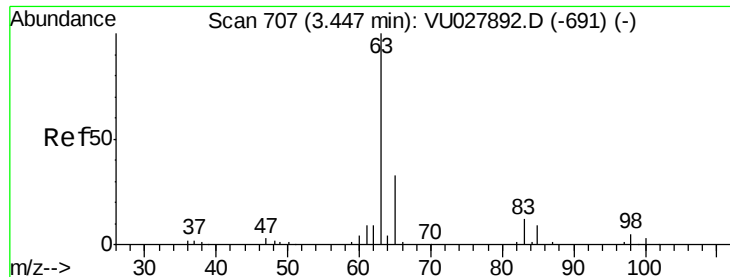
61 150.1 115.2 214.0

98 61.8 44.0 81.8



Abundance Ion 96.00 (95.70 to 96.70): VU0
Ion 61.05 (60.75 to 61.75): VU0
Ion 97.95 (97.65 to 98.65): VU0

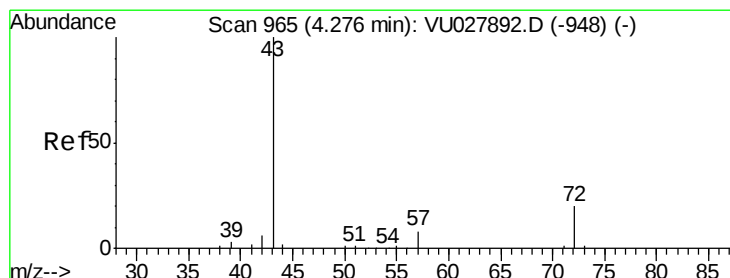
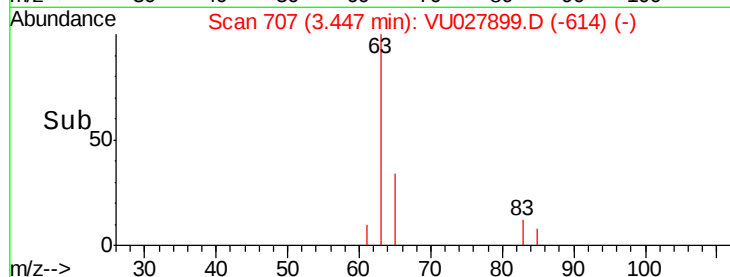
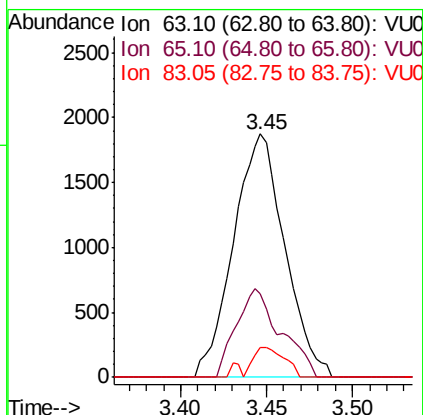
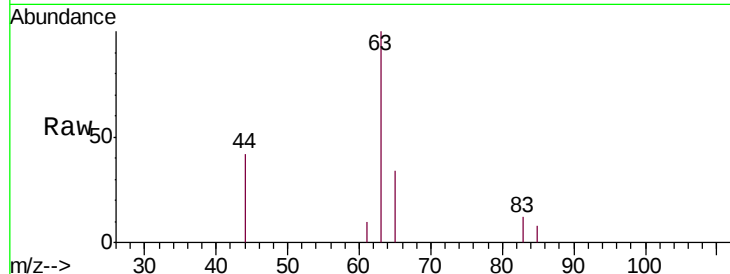




#19
 1,1-Dichloroethane
 Concen: 0.331 ug/L
 RT: 3.45 min Scan# 707
 Delta R.T. -0.00 min
 Lab File: VU027899.D
 Acq: 01 Nov 2018 12:48

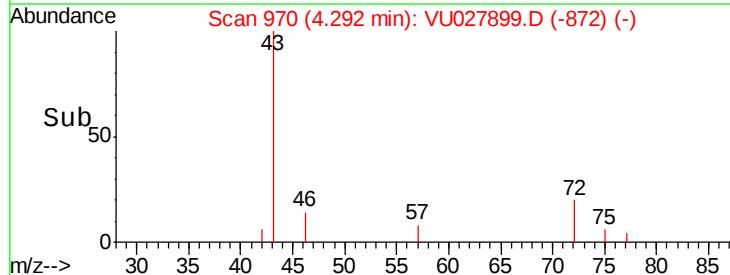
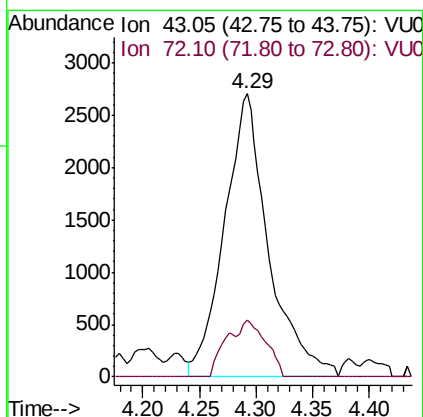
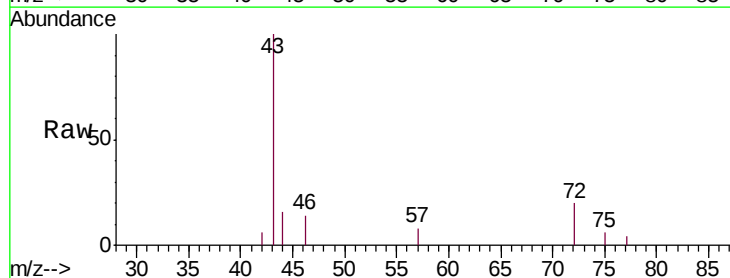
Instrument :
 MSVOA_U
 ClientSampleId :
 MDL06

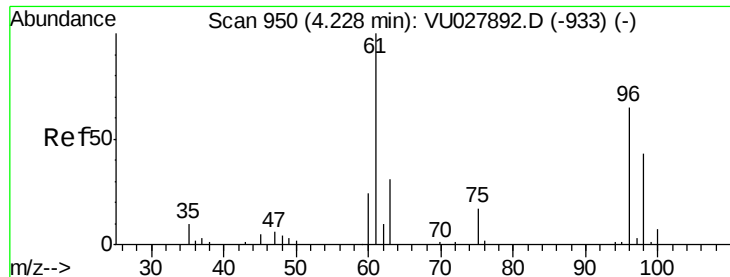
Tgt Ion: 63 Resp: 3885
 Ion Ratio Lower Upper
 63 100
 65 34.4 21.8 40.4
 83 12.1 9.4 17.4



#21
 2-Butanone
 Concen: 3.399 ug/L
 RT: 4.29 min Scan# 970
 Delta R.T. 0.02 min
 Lab File: VU027899.D
 Acq: 01 Nov 2018 12:48

Tgt Ion: 43 Resp: 7318
 Ion Ratio Lower Upper
 43 100
 72 17.8 10.9 32.9



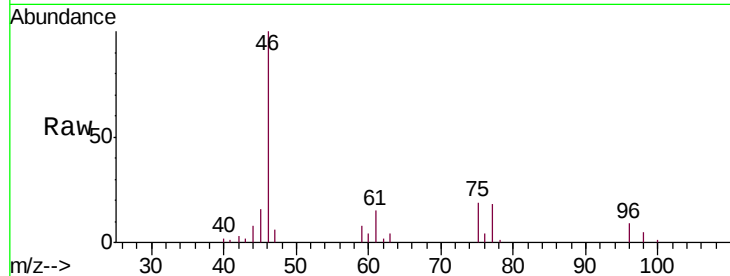


#22

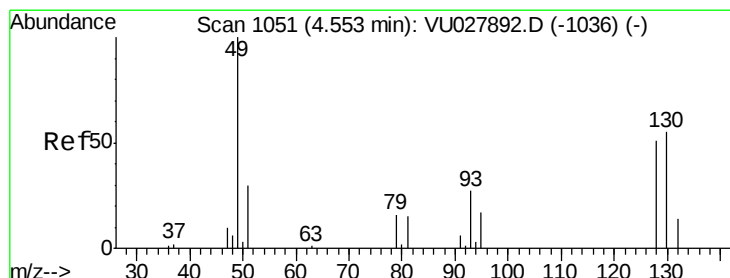
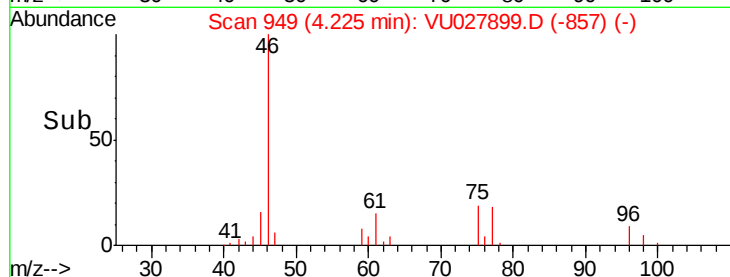
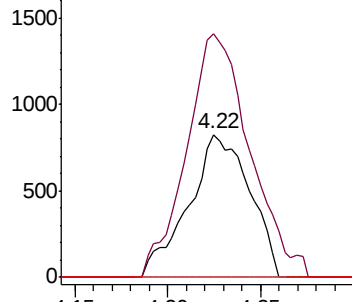
cis-1,2-Dichloroethene
Concen: 0.295 ug/L
RT: 4.22 min Scan# 949
Delta R.T. -0.00 min
Lab File: VU027899.D
Acq: 01 Nov 2018 12:48

Instrument :
MSVOA_U
ClientSampleId :
MDL06

Tgt Ion: 96 Resp: 1900
Ion Ratio Lower Upper
96 100
61 170.3 104.0 193.2
68 0.0 0.0 0.0



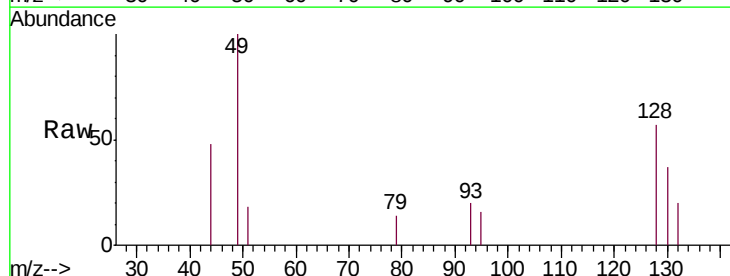
Abundance Ion 96.00 (95.70 to 96.70): VU027899.D (-957) (-)
Ion 61.05 (60.75 to 61.75): VU027899.D (-957) (-)
Ion 68.15 (67.85 to 68.85): VU027899.D (-957) (-)



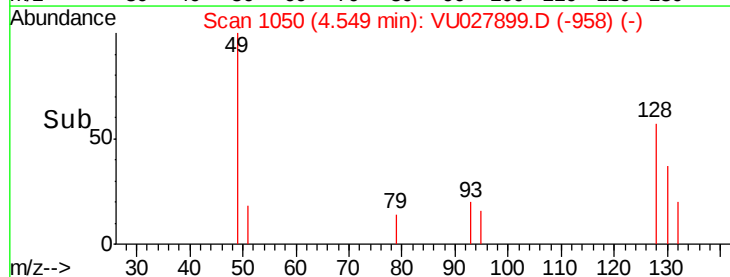
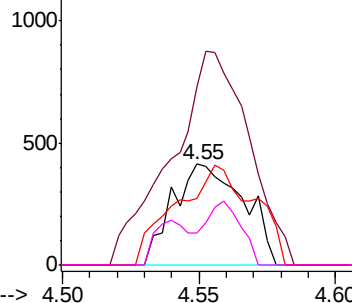
#23

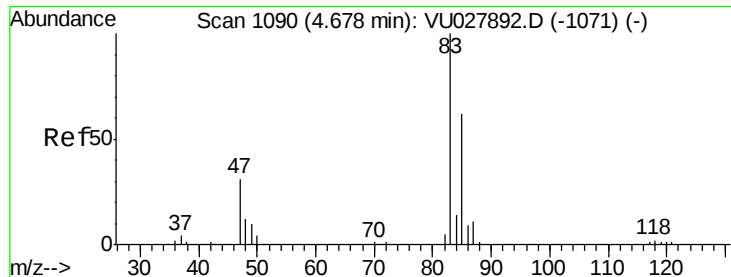
Bromochloromethane
Concen: 0.280 ug/L
RT: 4.55 min Scan# 1050
Delta R.T. -0.00 min
Lab File: VU027899.D
Acq: 01 Nov 2018 12:48

Tgt Ion: 128 Resp: 746
Ion Ratio Lower Upper
128 100
49 175.8 142.0 263.8
130 65.5 86.1 159.9#
51 31.6 50.4 75.6#



Abundance Ion 127.90 (127.60 to 128.60): VU027899.D (-958) (-)
Ion 49.10 (48.80 to 49.80): VU027899.D (-958) (-)
Ion 129.95 (129.65 to 130.65): VU027899.D (-958) (-)
Ion 51.05 (50.75 to 51.75): VU027899.D (-958) (-)

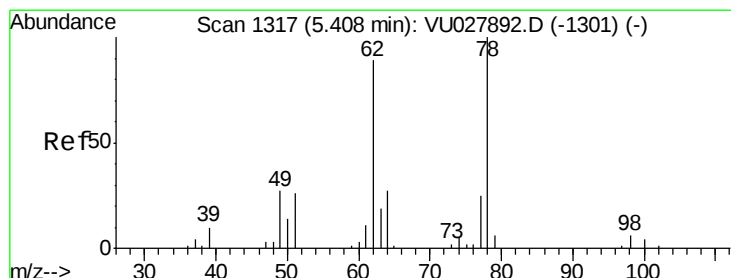
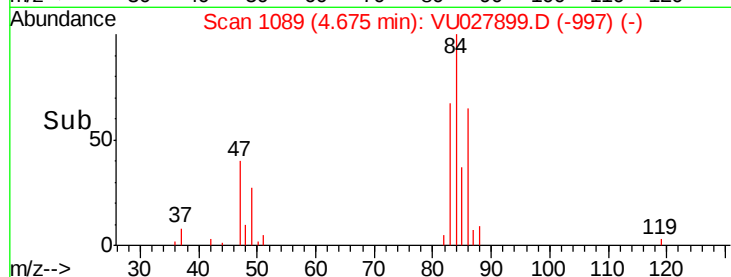
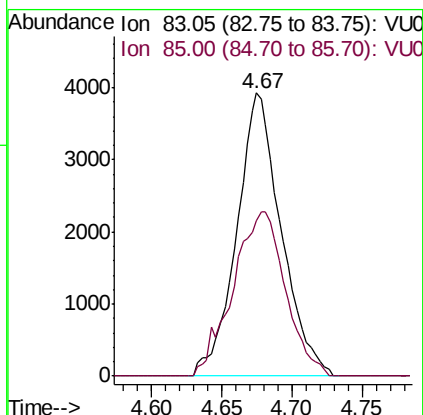
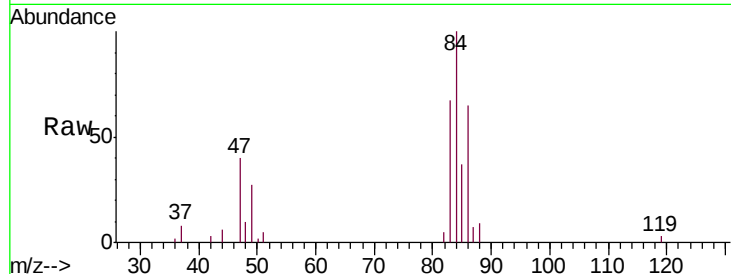




#25
Chloroform
Concen: 0.725 ug/L
RT: 4.67 min Scan# 1089
Delta R.T. -0.00 min
Lab File: VU027899.D
Acq: 01 Nov 2018 12:48

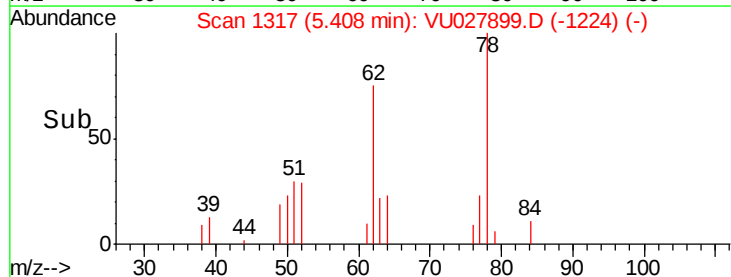
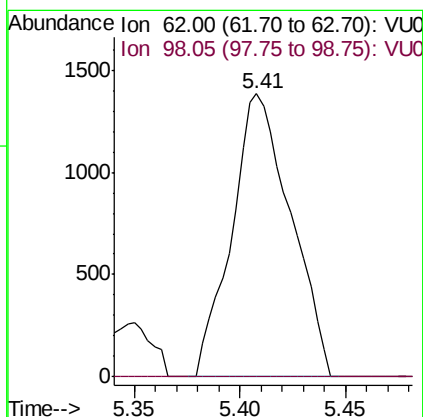
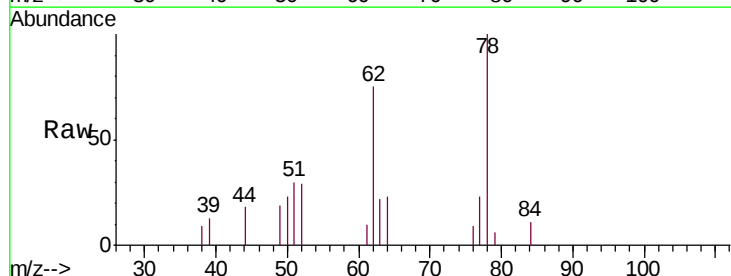
Instrument :
MSVOA_U
ClientSampleId :
MDL06

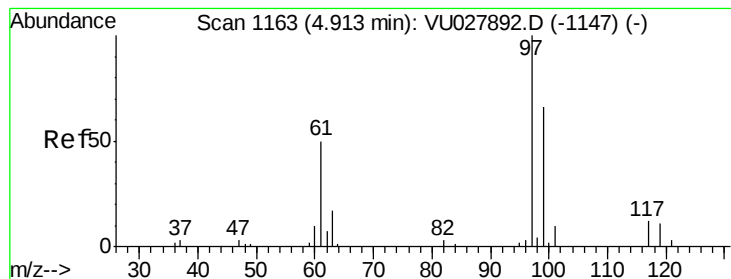
Tgt Ion: 83 Resp: 8637
Ion Ratio Lower Upper
83 100
85 55.1 44.0 81.8



#27
1,2-Dichloroethane
Concen: 0.324 ug/L
RT: 5.41 min Scan# 1317
Delta R.T. -0.00 min
Lab File: VU027899.D
Acq: 01 Nov 2018 12:48

Tgt Ion: 62 Resp: 2693
Ion Ratio Lower Upper
62 100
98 0.0 6.3 9.5#





#29

1,1,1-Trichloroethane

Concen: 0.296 ug/L

RT: 4.92 min Scan# 1165

Delta R.T. 0.01 min

Lab File: VU027899.D

Acq: 01 Nov 2018 12:48

Instrument :

MSVOA_U

ClientSampleId :

MDL06

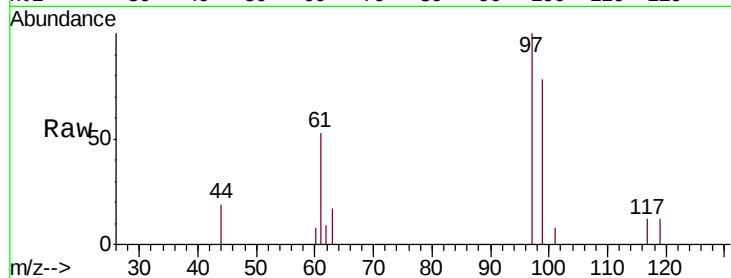
Tgt Ion: 97 Resp: 3136

Ion Ratio Lower Upper

97 100

99 73.8 50.6 76.0

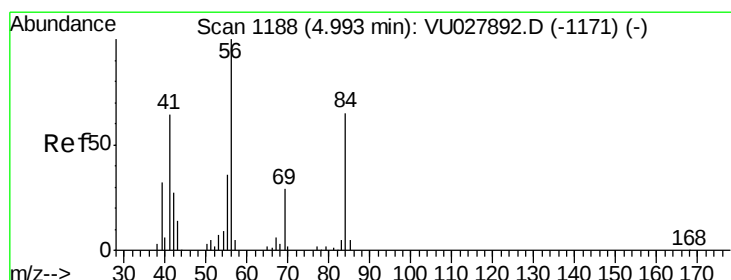
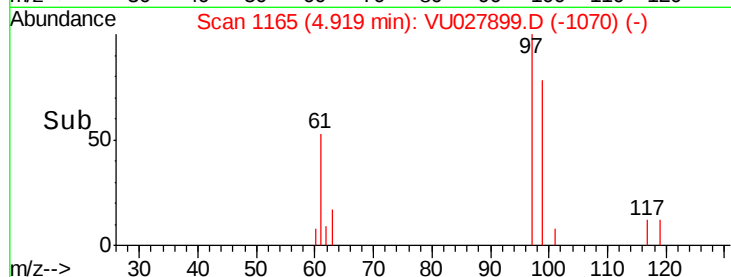
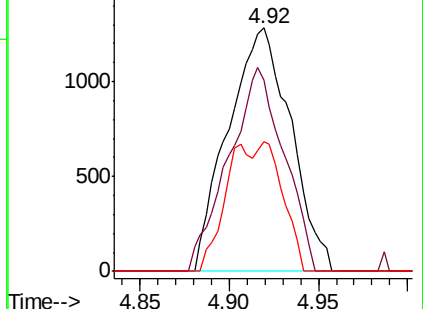
61 23.2 35.8 53.6#



Abundance Ion 96.95 (96.65 to 97.65): VU0

Ion 99.05 (98.75 to 99.75): VU0

Ion 61.05 (60.75 to 61.75): VU0



#30

Cyclohexane

Concen: 0.297 ug/L

RT: 4.99 min Scan# 1187

Delta R.T. -0.00 min

Lab File: VU027899.D

Acq: 01 Nov 2018 12:48

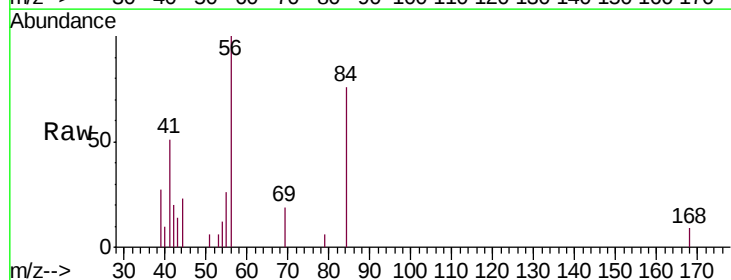
Tgt Ion: 56 Resp: 3694

Ion Ratio Lower Upper

56 100

69 16.0 22.7 34.1#

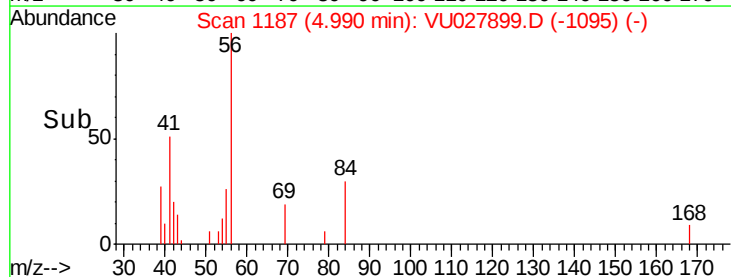
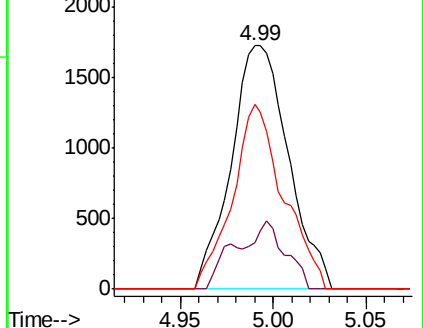
84 67.5 58.1 87.1

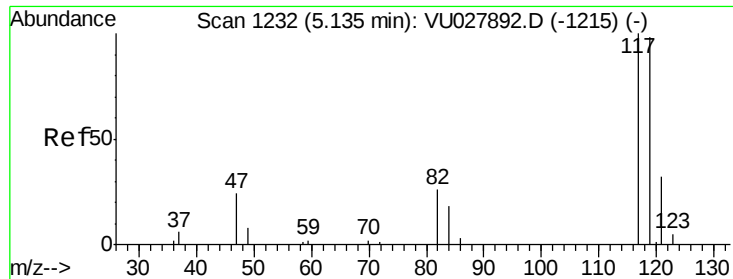


Abundance Ion 56.10 (55.80 to 56.80): VU0

Ion 69.15 (68.85 to 69.85): VU0

Ion 84.15 (83.85 to 84.85): VU0





#31

Carbon tetrachloride

Concen: 0.301 ug/L

RT: 5.13 min Scan# 1232

Delta R.T. -0.00 min

Lab File: VU027899.D

Acq: 01 Nov 2018 12:48

Instrument :

MSVOA_U

ClientSampled :

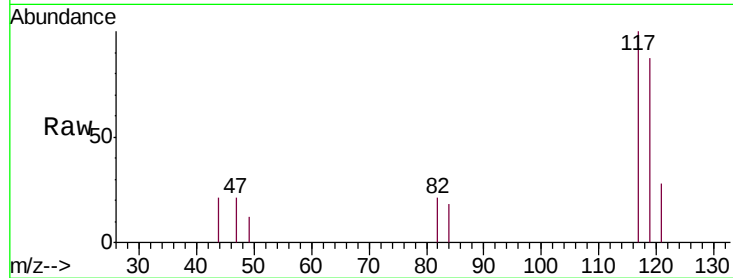
MDL06

Tgt Ion:117 Resp: 2734

Ion Ratio Lower Upper

117 100

119 103.8 77.1 115.7



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V

5.13

1500

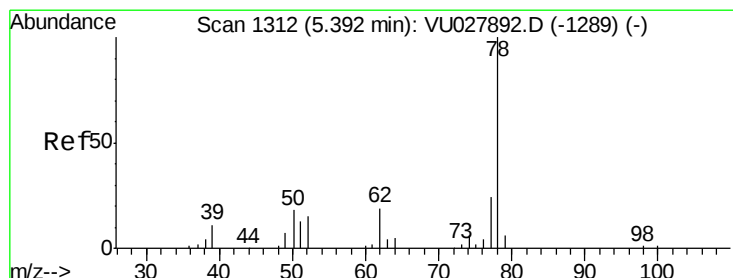
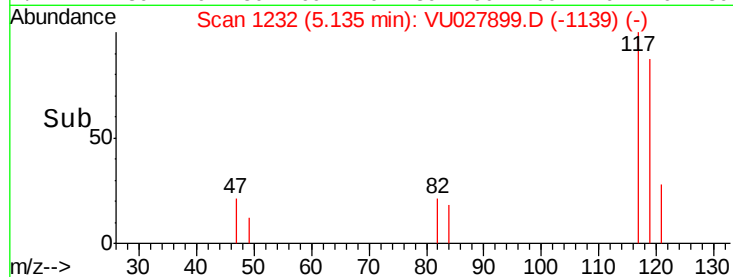
1000

500

0

Time-->

5.10 5.15 5.20



#33

Benzene

Concen: 0.313 ug/L

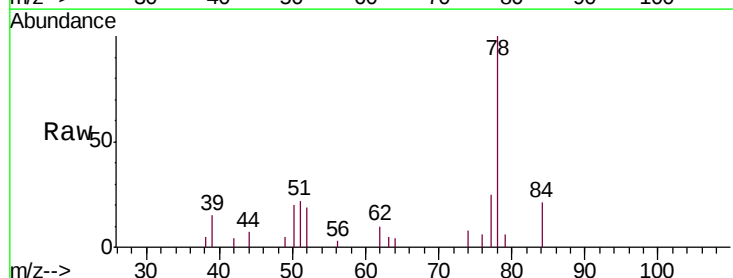
RT: 5.39 min Scan# 1311

Delta R.T. -0.00 min

Lab File: VU027899.D

Acq: 01 Nov 2018 12:48

Tgt Ion: 78 Resp: 8126



Abundance Ion 78.10 (77.80 to 78.80): VU0

4000

3000

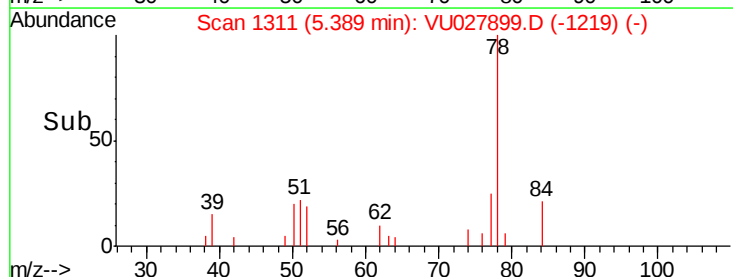
2000

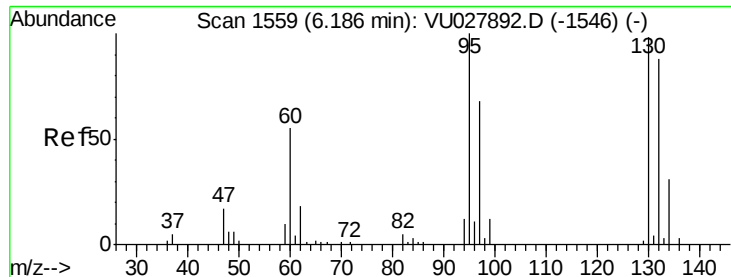
1000

0

Time-->

5.30 5.35 5.40 5.45





#34

Trichloroethene

Concen: 0.303 ug/L

RT: 6.19 min Scan# 1560

Delta R.T. 0.00 min

Lab File: VU027899.D

Acq: 01 Nov 2018 12:48

Instrument :

MSVOA_U

ClientSampleId :

MDL06

Tgt Ion: 95 Resp: 2051

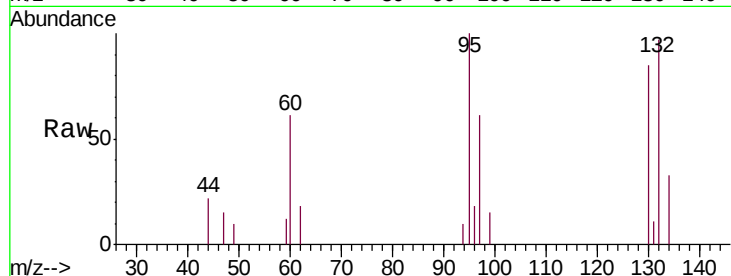
Ion Ratio Lower Upper

95 100

97 60.5 44.0 81.6

132 96.9 63.3 117.5

130 85.1 63.1 117.3

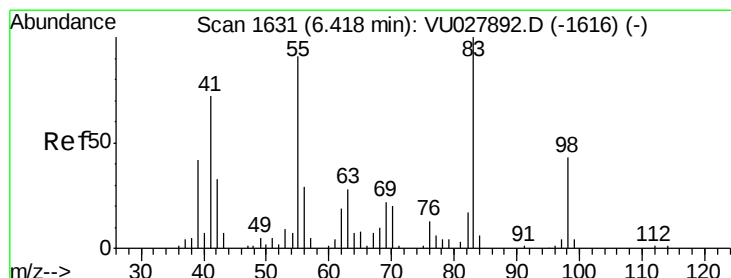
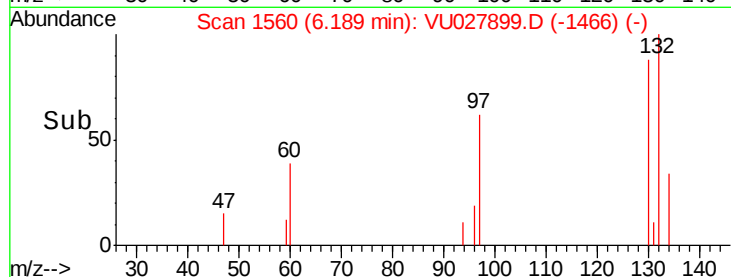
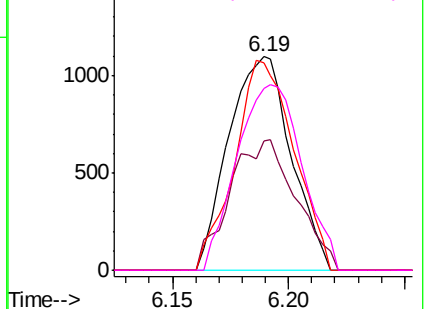


Abundance Ion 95.00 (94.70 to 95.70): VU0

Ion 96.95 (96.65 to 97.65): VU0

Ion 131.95 (131.65 to 132.65): V

Ion 129.95 (129.65 to 130.65): V



#35

Methylcyclohexane

Concen: 0.289 ug/L

RT: 6.41 min Scan# 1629

Delta R.T. -0.01 min

Lab File: VU027899.D

Acq: 01 Nov 2018 12:48

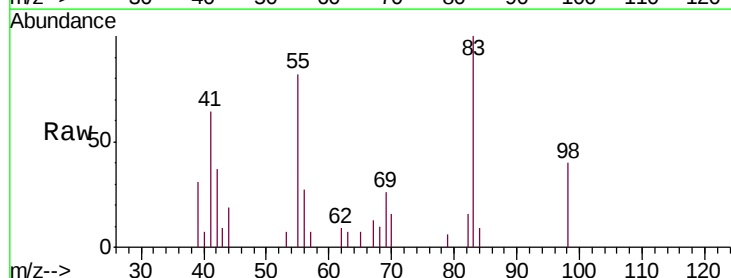
Tgt Ion: 83 Resp: 3321

Ion Ratio Lower Upper

83 100

55 86.8 73.4 110.0

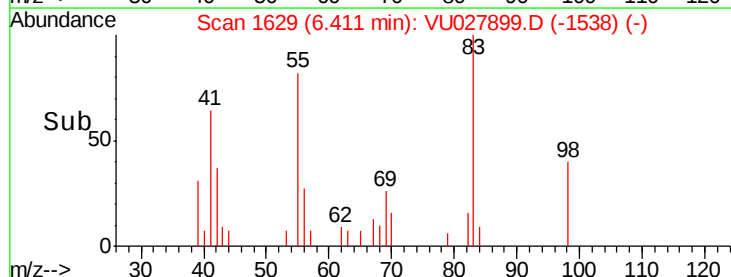
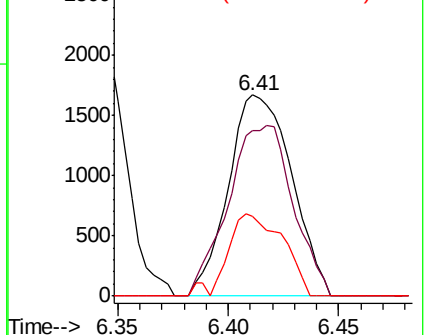
98 35.7 35.3 52.9

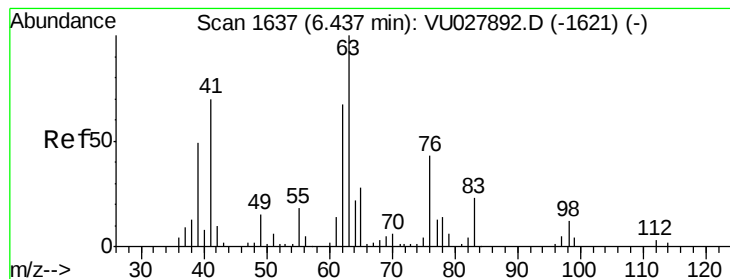


Abundance Ion 83.15 (82.85 to 83.85): VU0

Ion 55.10 (54.80 to 55.80): VU0

Ion 98.15 (97.85 to 98.85): VU0





#37

1,2-Dichloropropane

Concen: 0.253 ug/L

RT: 6.44 min Scan# 1638

Delta R.T. 0.00 min

Lab File: VU027899.D

Acq: 01 Nov 2018 12:48

Instrument :

MSVOA_U

ClientSampled :

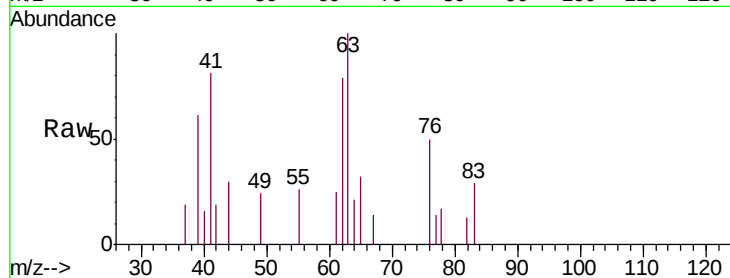
MDL06

Tgt Ion: 63 Resp: 1876

Ion Ratio Lower Upper

63 100

112 0.0 2.6 3.8#



Abundance Ion 63.10 (62.80 to 63.80): VU027899.D (-1644) (-)

Ion 112.10 (111.80 to 112.80): VU027899.D (-1644) (-)

6.44

1000

800

600

400

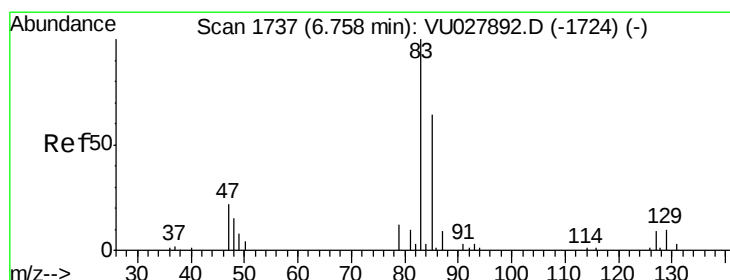
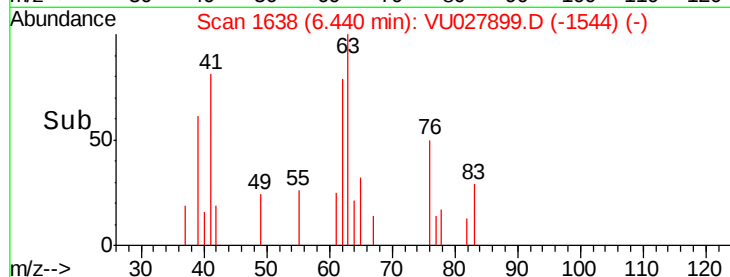
200

0

6.40

6.45

Time-->



#38

Bromodichloromethane

Concen: 0.311 ug/L

RT: 6.76 min Scan# 1739

Delta R.T. 0.01 min

Lab File: VU027899.D

Acq: 01 Nov 2018 12:48

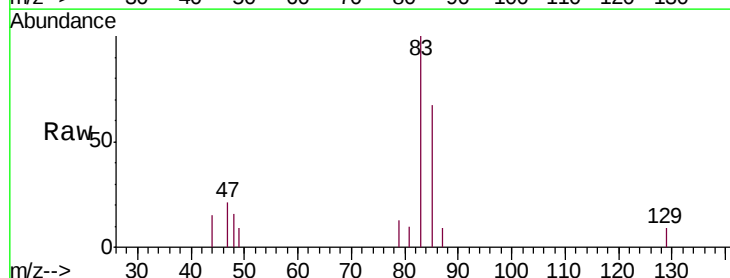
Tgt Ion: 83 Resp: 2694

Ion Ratio Lower Upper

83 100

85 66.7 43.8 81.4

127 0.0 6.4 9.6#



Abundance Ion 82.95 (82.65 to 83.65): VU027899.D (-1644) (-)

Ion 85.00 (84.70 to 85.70): VU027899.D (-1644) (-)

Ion 126.90 (126.60 to 127.60): VU027899.D (-1644) (-)

2000

1500

1000

500

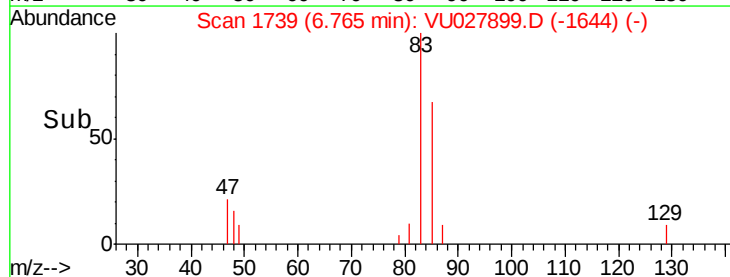
0

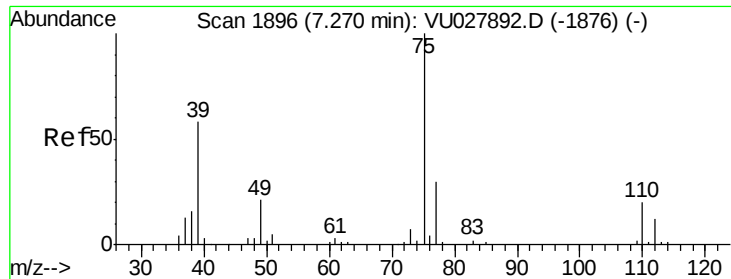
6.70

6.75

6.80

Time-->

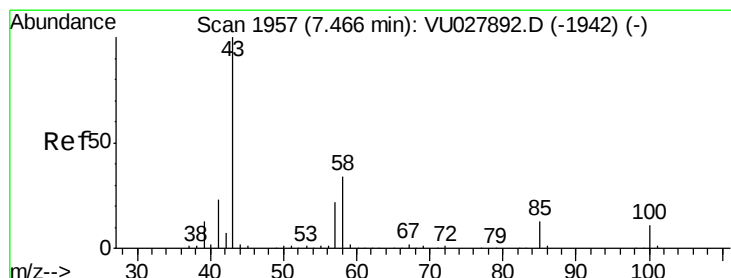
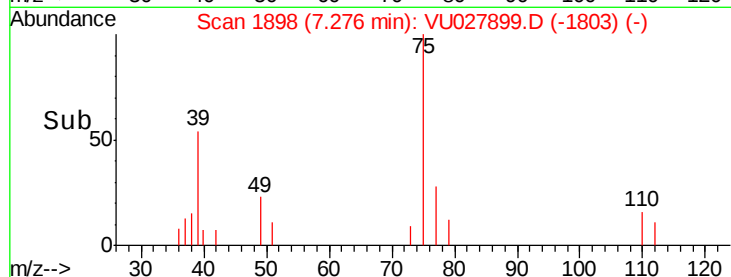
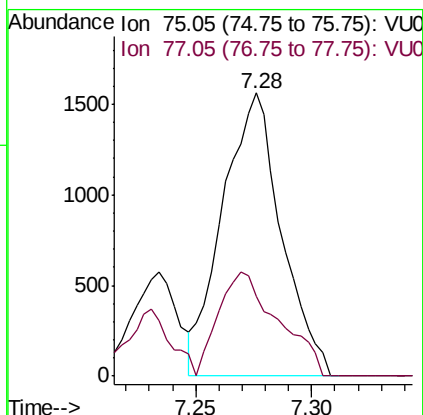
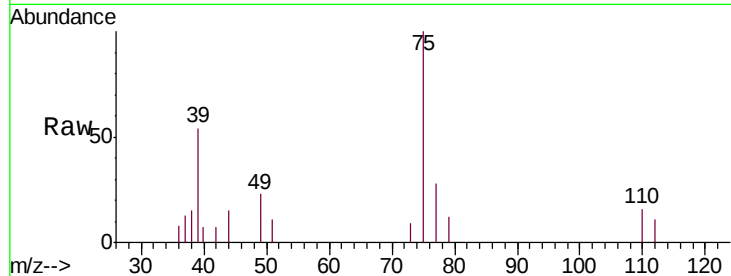




#39
 cis-1,3-Dichloropropene
 Concen: 0.259 ug/L
 RT: 7.28 min Scan# 1898
 Delta R.T. 0.01 min
 Lab File: VU027899.D
 Acq: 01 Nov 2018 12:48

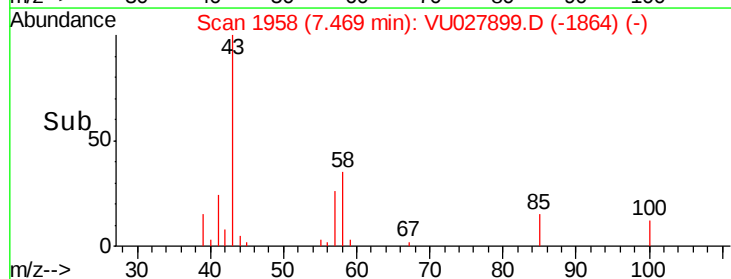
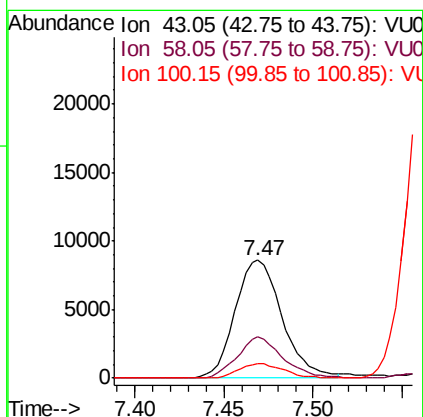
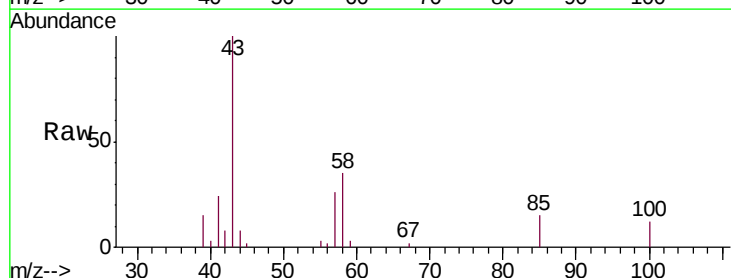
Instrument :
 MSVOA_U
 ClientSampled :
 MDL06

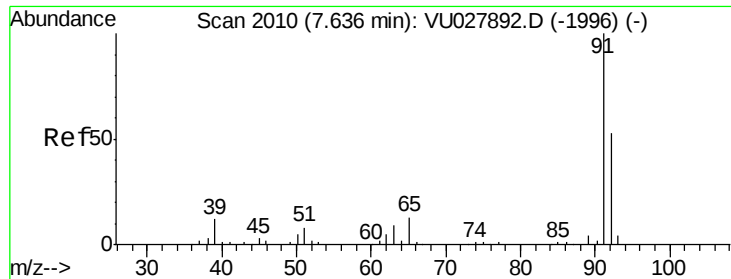
Tgt Ion: 75 Resp: 2745
 Ion Ratio Lower Upper
 75 100
 77 28.2 22.2 41.2



#40
 4-Methyl-2-pentanone
 Concen: 3.012 ug/L
 RT: 7.47 min Scan# 1958
 Delta R.T. 0.00 min
 Lab File: VU027899.D
 Acq: 01 Nov 2018 12:48

Tgt Ion: 43 Resp: 15752
 Ion Ratio Lower Upper
 43 100
 58 33.6 28.5 42.7
 100 11.6 8.8 13.2





#42

Toluene

Concen: 0.299 ug/L

RT: 7.64 min Scan# 2011

Delta R.T. 0.00 min

Lab File: VU027899.D

Acq: 01 Nov 2018 12:48

Instrument :

MSVOA_U

ClientSampled :

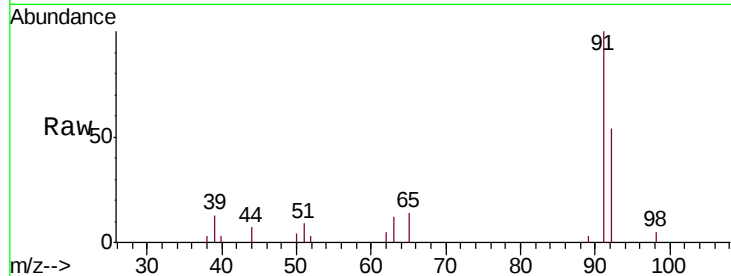
MDL06

Tgt Ion: 91 Resp: 8115

Ion Ratio Lower Upper

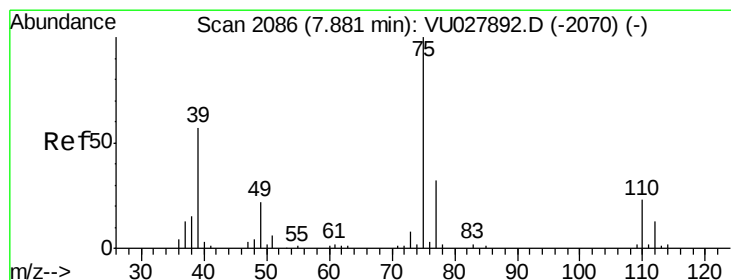
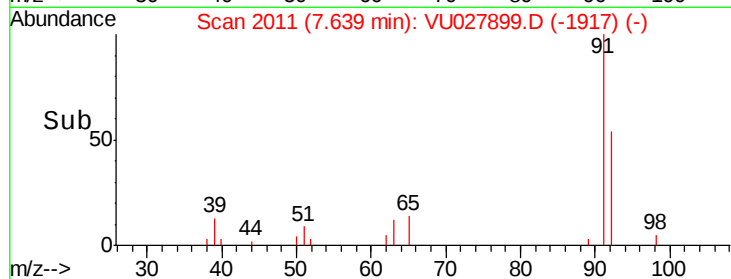
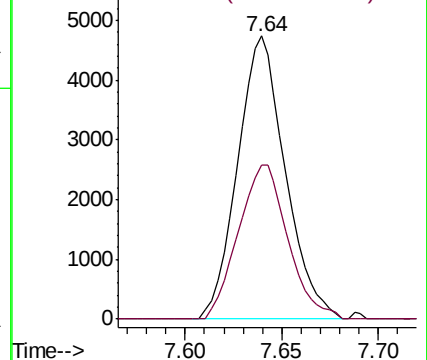
91 100

92 54.3 40.3 74.9



Abundance Ion 91.15 (90.85 to 91.85): VU0

Ion 92.15 (91.85 to 92.85): VU0



#44

trans-1,3-Dichloropropene

Concen: 0.265 ug/L

RT: 7.89 min Scan# 2088

Delta R.T. 0.01 min

Lab File: VU027899.D

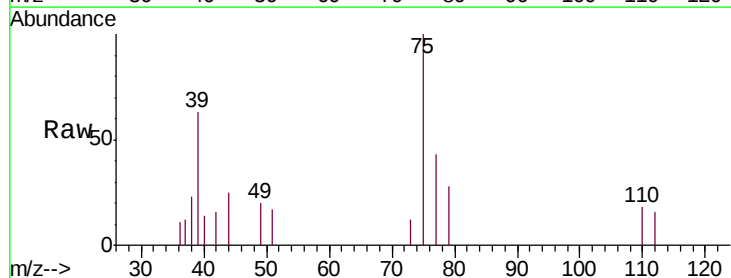
Acq: 01 Nov 2018 12:48

Tgt Ion: 75 Resp: 2416

Ion Ratio Lower Upper

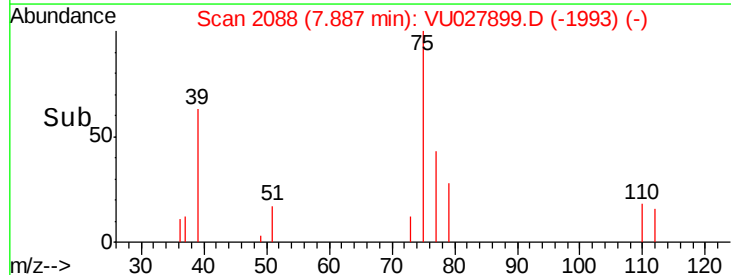
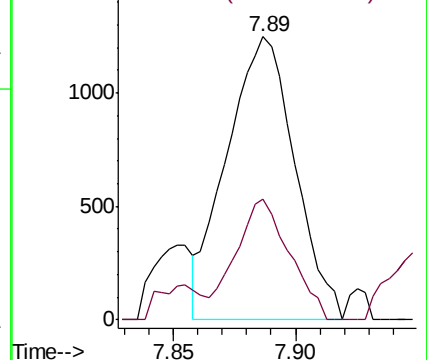
75 100

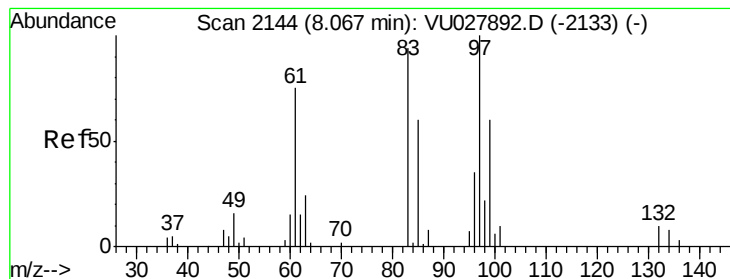
77 42.7 20.5 38.1#



Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 77.05 (76.75 to 77.75): VU0





#45

1,1,2-Trichloroethane

Concen: 0.256 ug/L

RT: 8.07 min Scan# 2145

Delta R.T. 0.00 min

Lab File: VU027899.D

Acq: 01 Nov 2018 12:48

Instrument :

MSVOA_U

ClientSampleId :

MDL06

Tgt Ion: 97 Resp: 1166

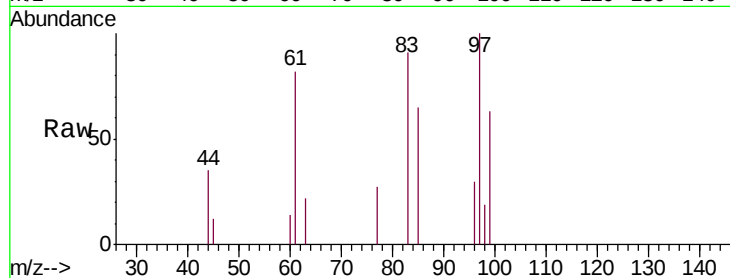
Ion Ratio Lower Upper

97 100

99 63.2 42.9 79.7

83 90.6 62.2 115.6

85 65.0 40.2 74.6



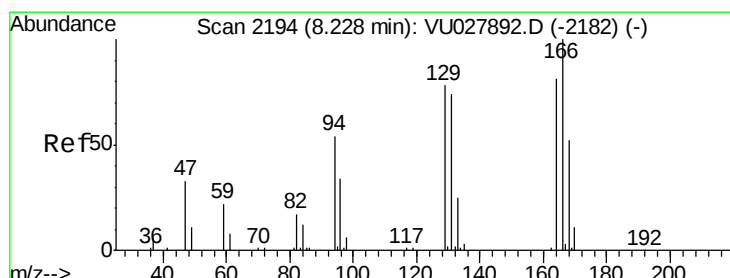
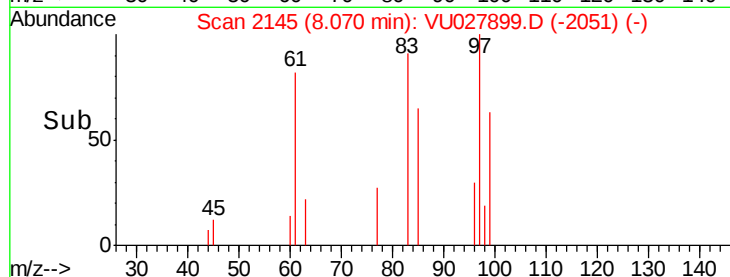
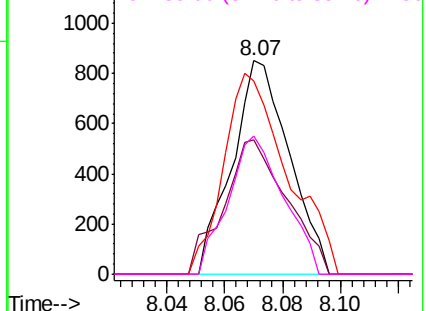
Abundance

Ion 96.95 (96.65 to 97.65): VU027899.D (-2133) (-)

Ion 99.05 (98.75 to 99.75): VU027899.D (-2133) (-)

Ion 82.95 (82.65 to 83.65): VU027899.D (-2133) (-)

Ion 85.00 (84.70 to 85.70): VU027899.D (-2133) (-)



#47

Tetrachloroethene

Concen: 0.313 ug/L

RT: 8.23 min Scan# 2194

Delta R.T. -0.00 min

Lab File: VU027899.D

Acq: 01 Nov 2018 12:48

Tgt Ion: 164 Resp: 1627

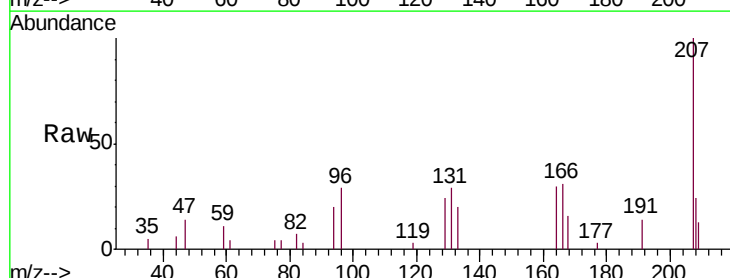
Ion Ratio Lower Upper

164 100

129 79.1 64.9 120.5

131 97.1 64.3 119.5

166 104.6 91.8 170.4



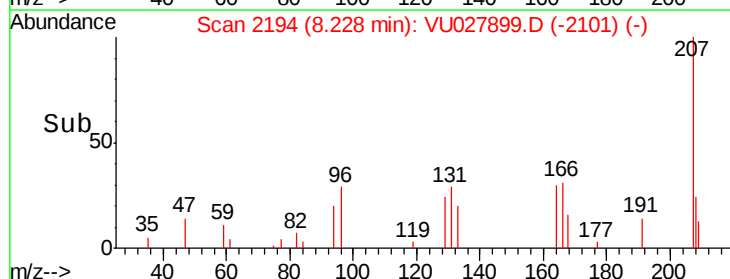
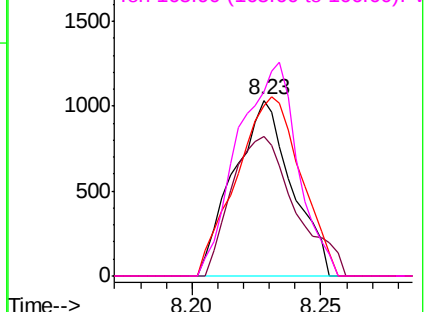
Abundance

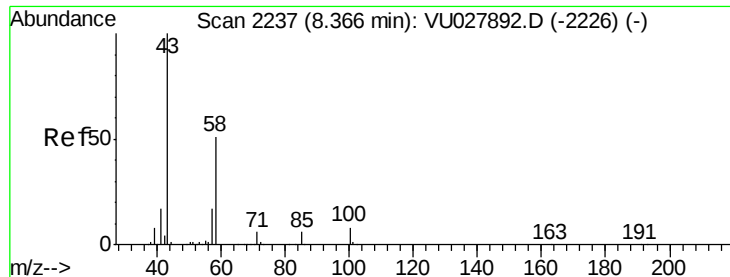
Ion 163.90 (163.60 to 164.60): VU027899.D (-2182) (-)

Ion 128.95 (128.65 to 129.65): VU027899.D (-2182) (-)

Ion 130.95 (130.65 to 131.65): VU027899.D (-2182) (-)

Ion 165.90 (165.60 to 166.60): VU027899.D (-2182) (-)

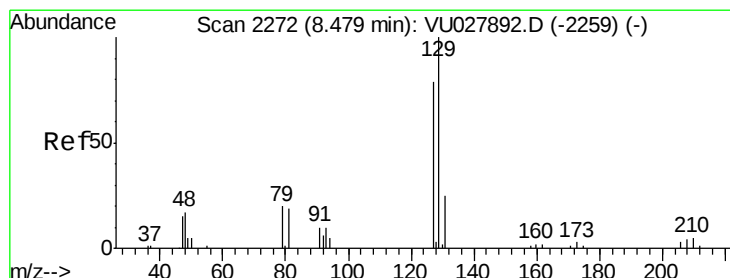
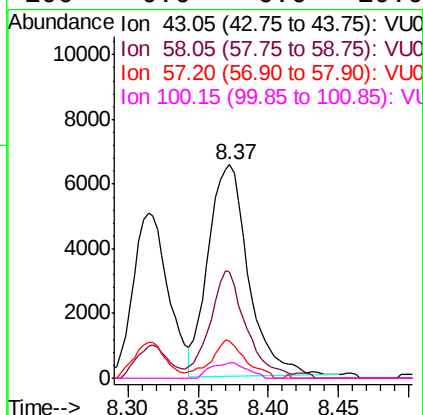
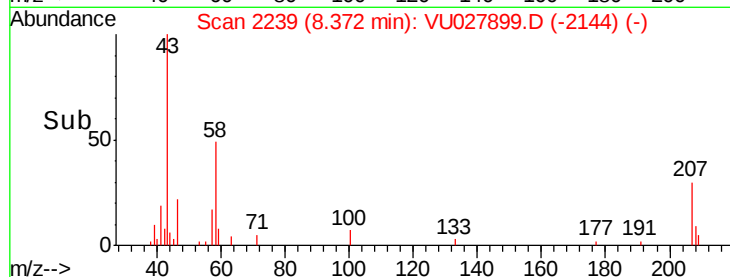
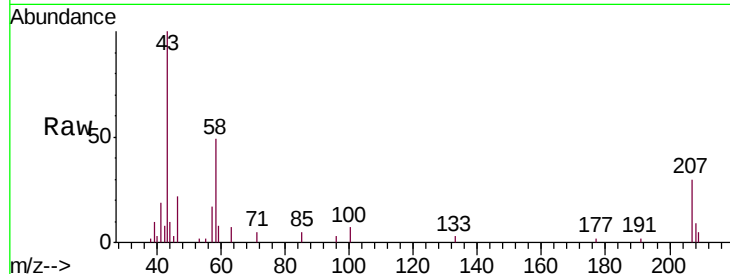




#48
2-Hexanone
Concen: 3.441 ug/L
RT: 8.37 min Scan# 2239
Delta R.T. 0.01 min
Lab File: VU027899.D
Acq: 01 Nov 2018 12:48

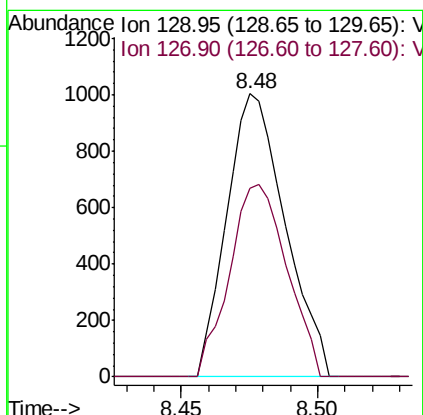
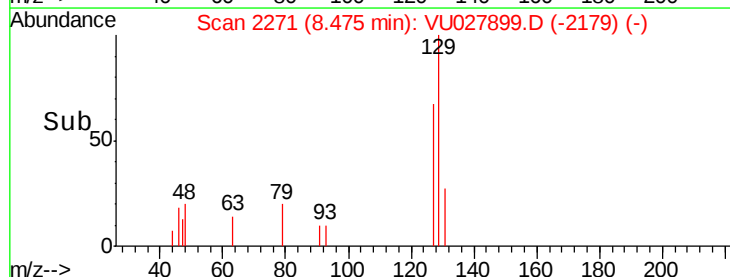
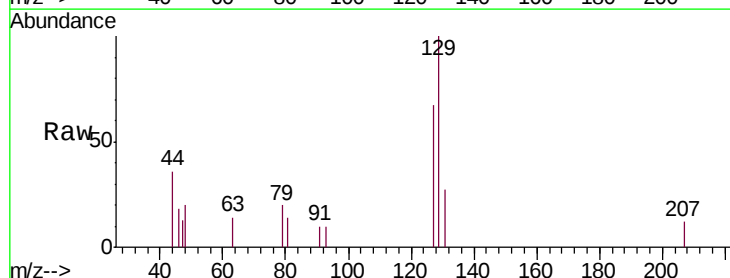
Instrument :
MSVOA_U
ClientSampleId :
MDL06

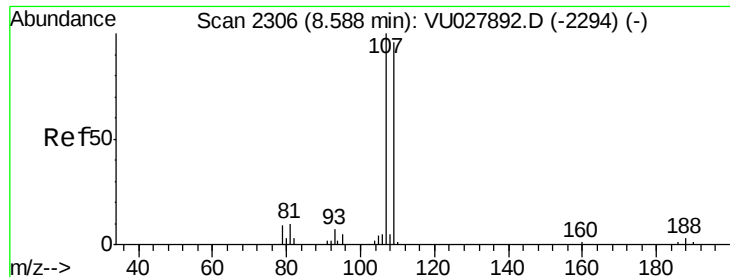
Tgt Ion: 43 Resp: 12973
Ion Ratio Lower Upper
43 100
58 42.2 38.9 58.3
57 15.4 13.3 19.9
100 6.6 6.6 10.0#



#49
Dibromochloromethane
Concen: 0.271 ug/L
RT: 8.48 min Scan# 2271
Delta R.T. -0.00 min
Lab File: VU027899.D
Acq: 01 Nov 2018 12:48

Tgt Ion: 129 Resp: 1491
Ion Ratio Lower Upper
129 100
127 66.6 54.5 101.1

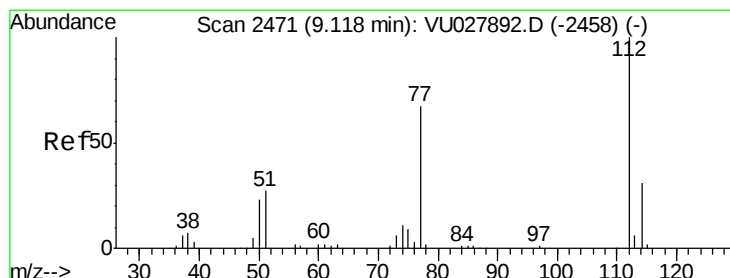
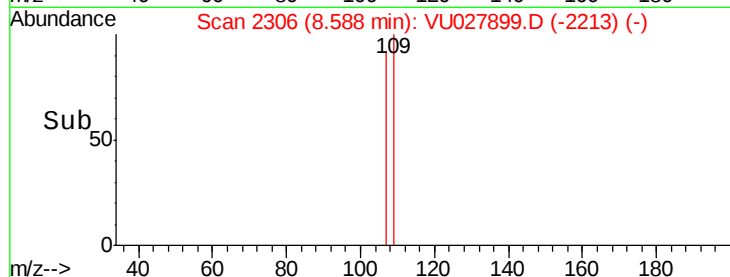
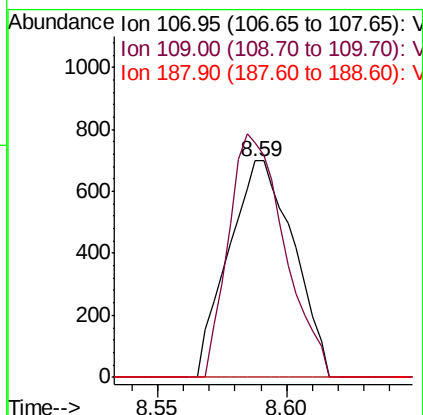
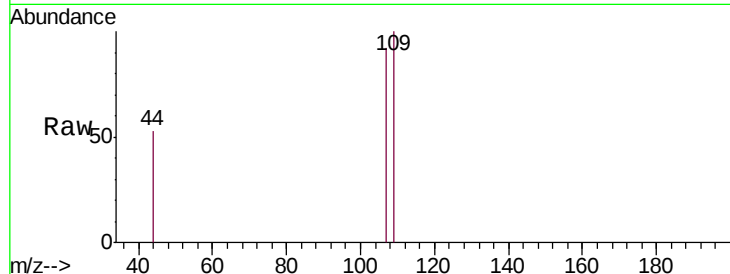




#50
1,2-Dibromoethane
Concen: 0.282 ug/L
RT: 8.59 min Scan# 2306
Delta R.T. -0.00 min
Lab File: VU027899.D
Acq: 01 Nov 2018 12:48

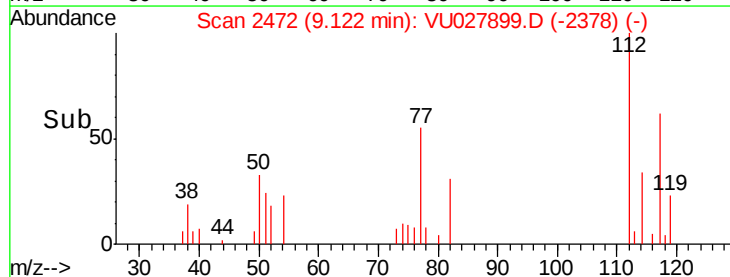
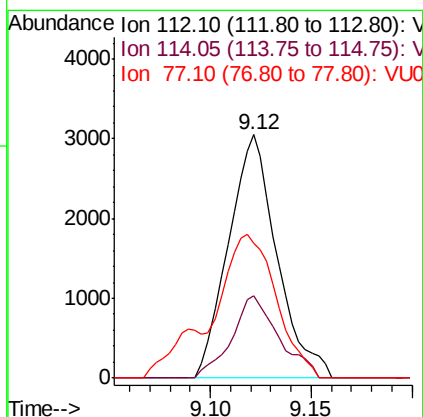
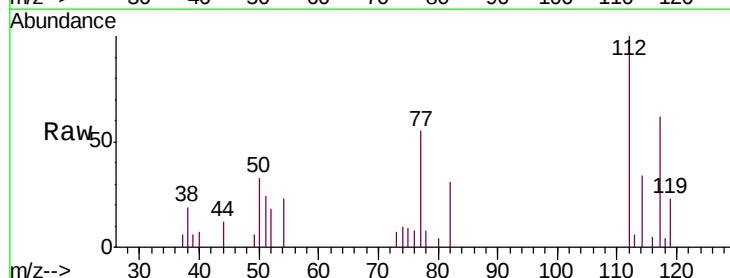
Instrument :
MSVOA_U
ClientSampleId :
MDL06

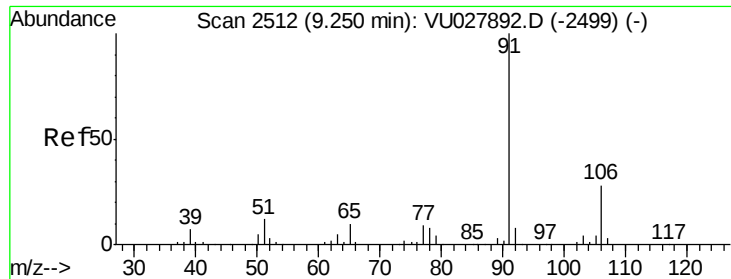
Tgt Ion:107 Resp: 1230
Ion Ratio Lower Upper
107 100
109 108.6 68.0 126.4
188 0.0 2.7 4.1#



#51
Chlorobenzene
Concen: 0.303 ug/L
RT: 9.12 min Scan# 2472
Delta R.T. 0.00 min
Lab File: VU027899.D
Acq: 01 Nov 2018 12:48

Tgt Ion:112 Resp: 5104
Ion Ratio Lower Upper
112 100
114 33.9 22.0 41.0
77 55.2 54.3 81.5

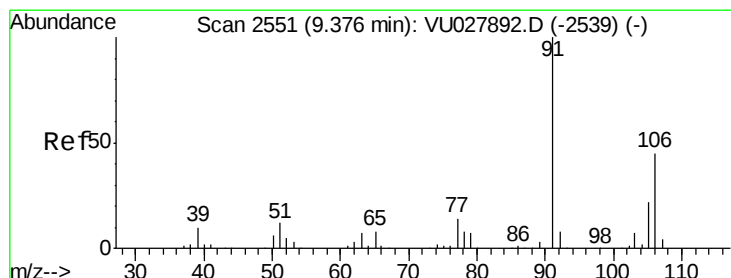
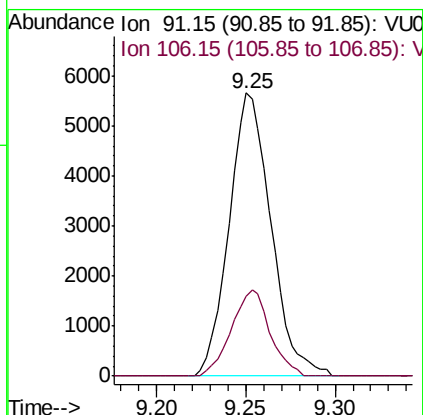
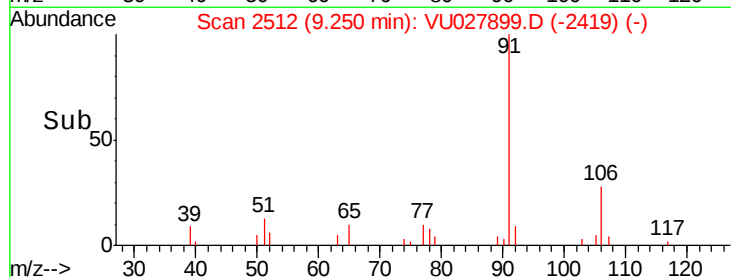
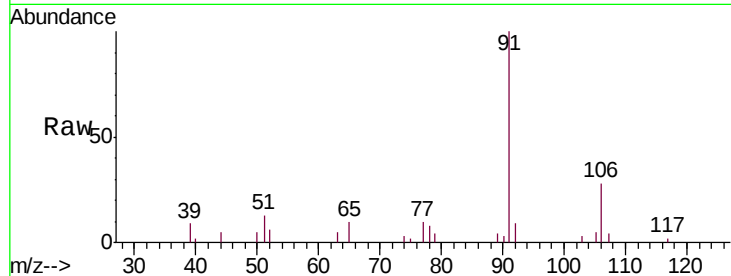




#52
Ethylbenzene
Concen: 0.298 ug/L
RT: 9.25 min Scan# 2512
Delta R.T. -0.00 min
Lab File: VU027899.D
Acq: 01 Nov 2018 12:48

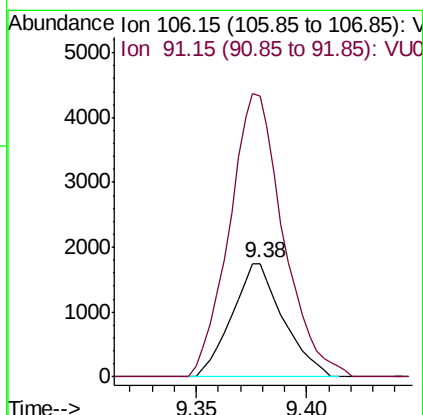
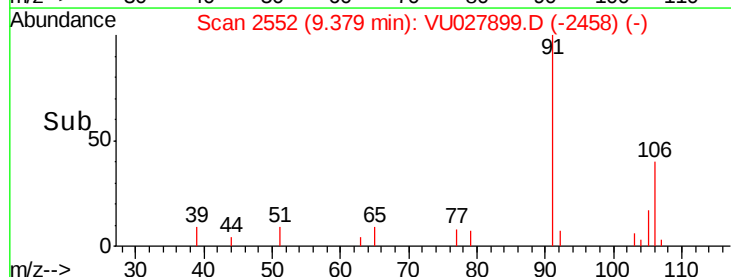
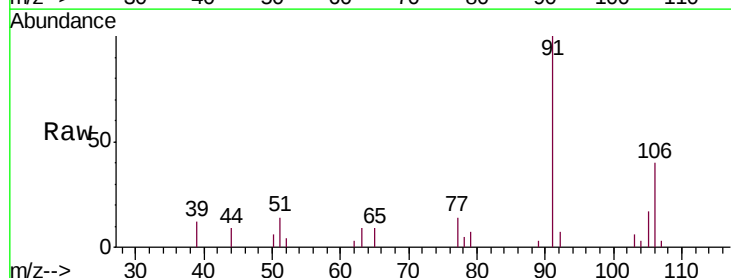
Instrument :
MSVOA_U
ClientSampleId :
MDL06

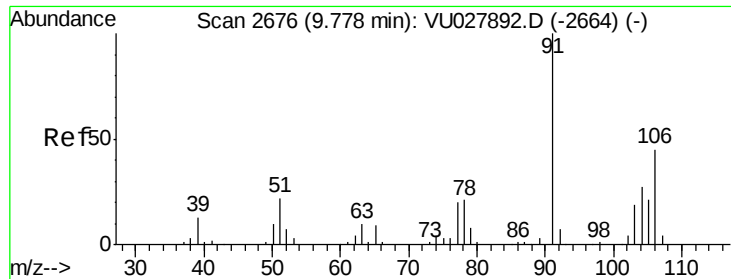
Tgt Ion: 91 Resp: 9223
Ion Ratio Lower Upper
91 100
106 28.2 21.5 39.9



#53
m,p-xylene
Concen: 0.251 ug/L
RT: 9.38 min Scan# 2552
Delta R.T. 0.00 min
Lab File: VU027899.D
Acq: 01 Nov 2018 12:48

Tgt Ion: 106 Resp: 2819
Ion Ratio Lower Upper
106 100
91 247.4 148.7 276.1

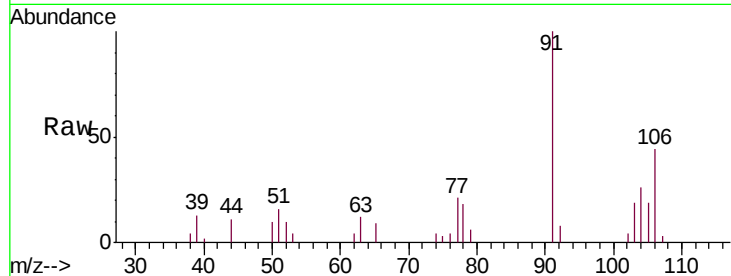




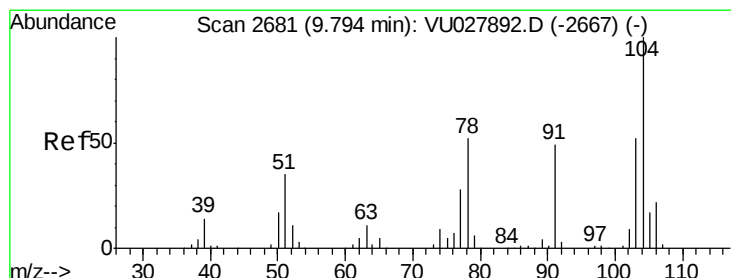
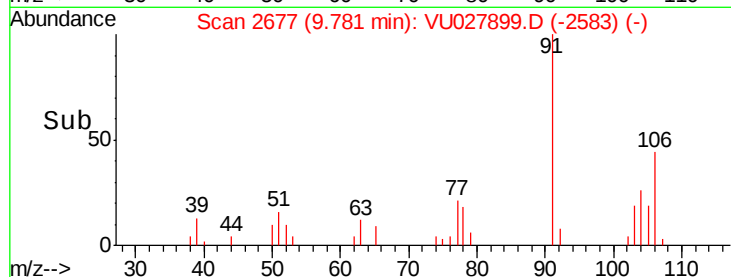
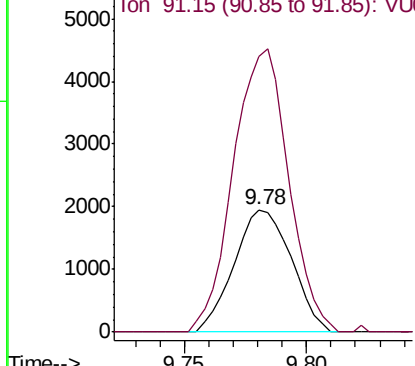
#54
o-xylene
Concen: 0.289 ug/L
RT: 9.78 min Scan# 2677
Delta R.T. 0.00 min
Lab File: VU027899.D
Acq: 01 Nov 2018 12:48

Instrument :
MSVOA_U
ClientSampled :
MDL06

Tgt Ion:106 Resp: 3188
Ion Ratio Lower Upper
106 100
91 225.5 158.3 293.9

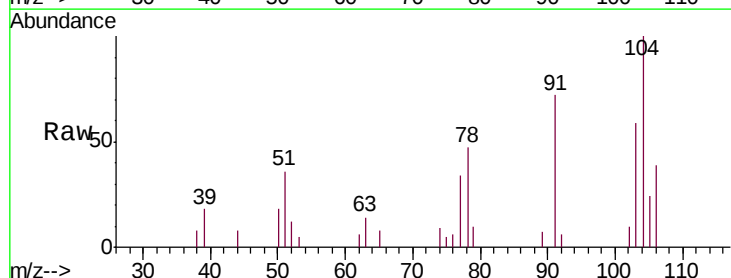


Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VU0

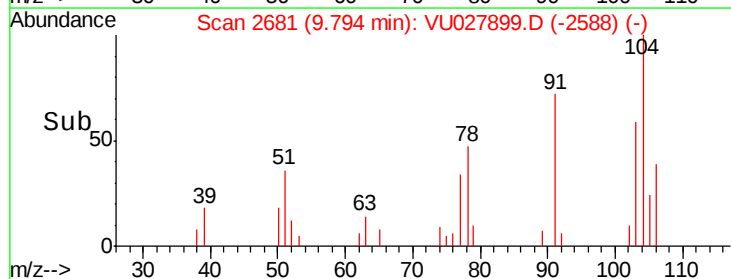
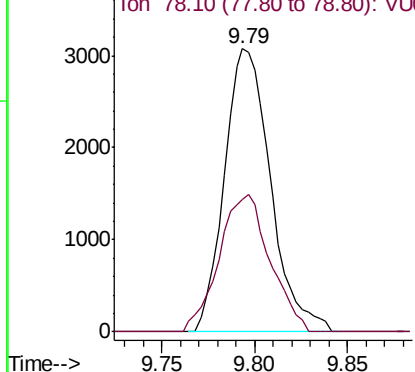


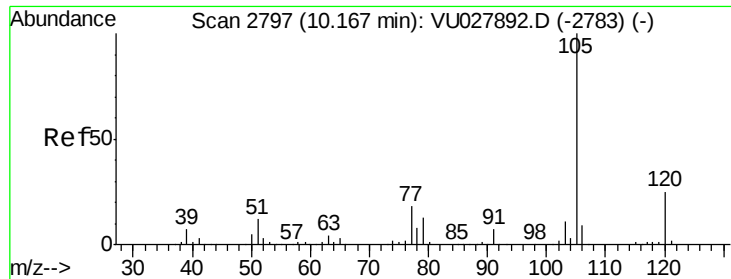
#55
Styrene
Concen: 0.287 ug/L
RT: 9.79 min Scan# 2681
Delta R.T. -0.00 min
Lab File: VU027899.D
Acq: 01 Nov 2018 12:48

Tgt Ion:104 Resp: 5305
Ion Ratio Lower Upper
104 100
78 46.9 35.6 66.0



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





#56

Isopropylbenzene

Concen: 0.289 ug/L

RT: 10.17 min Scan# 2798

Delta R.T. 0.00 min

Lab File: VU027899.D

Acq: 01 Nov 2018 12:48

Instrument :

MSVOA_U

ClientSampleId :

MDL06

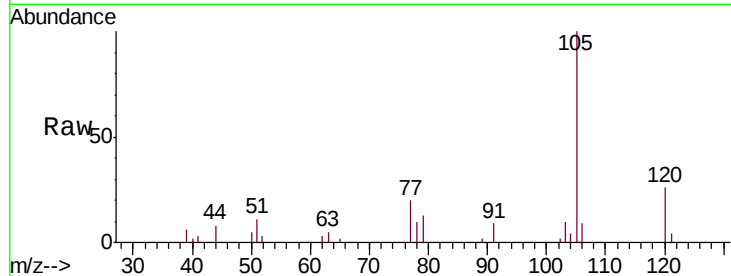
Tgt Ion: 105 Resp: 8700

Ion Ratio Lower Upper

105 100

120 22.6 20.2 30.2

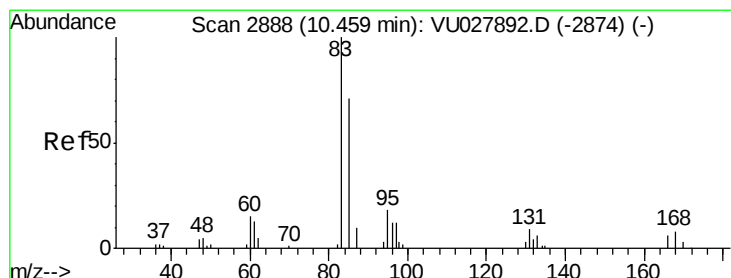
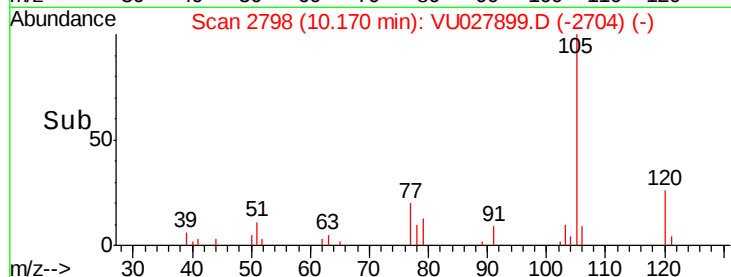
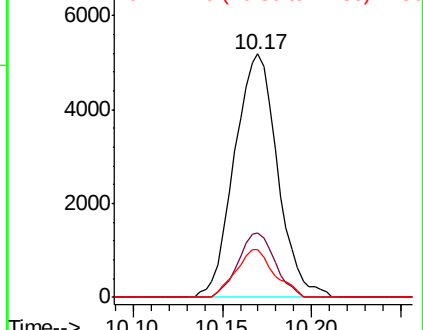
77 17.5 13.4 20.2



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.10 (119.80 to 120.80): V

Ion 77.10 (76.80 to 77.80): V



#58

1,1,2,2-Tetrachloroethane

Concen: 0.258 ug/L

RT: 10.46 min Scan# 2887

Delta R.T. -0.00 min

Lab File: VU027899.D

Acq: 01 Nov 2018 12:48

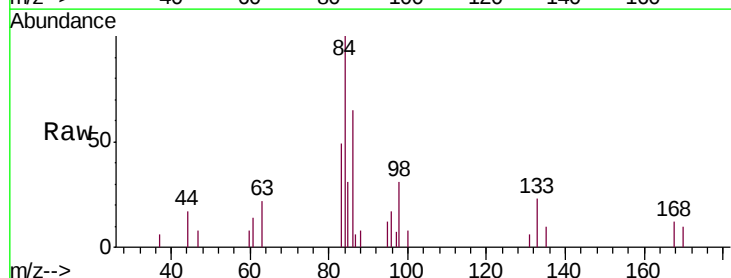
Tgt Ion: 83 Resp: 1529

Ion Ratio Lower Upper

83 100

85 62.4 44.4 82.4

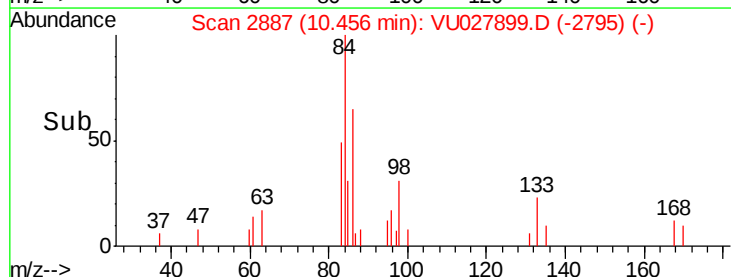
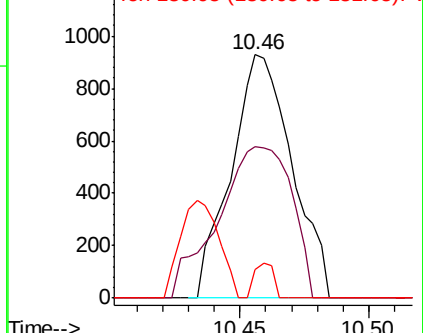
131 11.8 6.8 10.2#

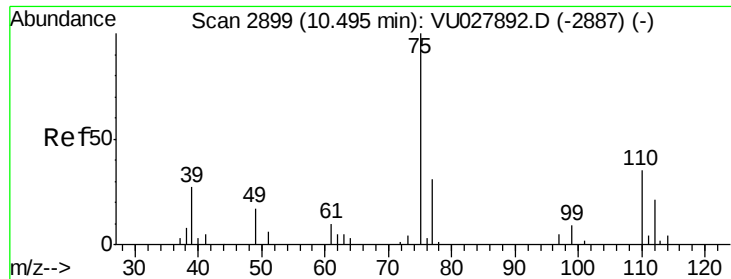


Abundance Ion 82.95 (82.65 to 83.65): V

Ion 85.00 (84.70 to 85.70): V

Ion 130.95 (130.65 to 131.65): V





#59

1,2,3-Trichloropropane

Concen: 0.323 ug/L

RT: 10.49 min Scan# 2899

Delta R.T. -0.00 min

Lab File: VU027899.D

Acq: 01 Nov 2018 12:48

Instrument :

MSVOA_U

ClientSampleId :

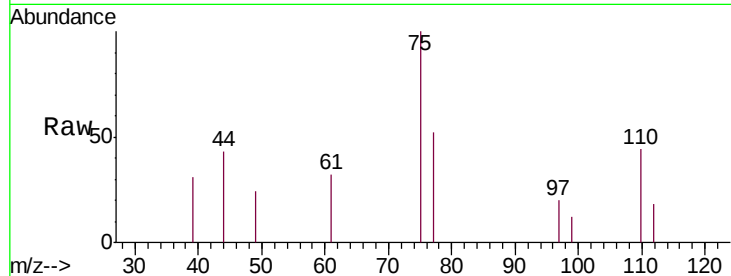
MDL06

Tgt Ion: 75 Resp: 1450

Ion Ratio Lower Upper

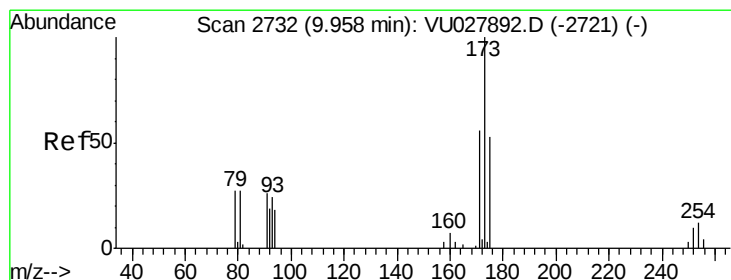
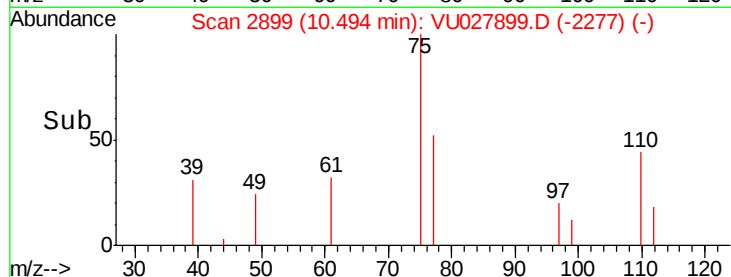
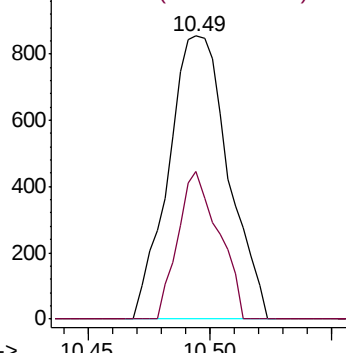
75 100

77 35.5 25.8 38.6



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0



#61

Bromoform

Concen: 0.279 ug/L

RT: 9.97 min Scan# 2735

Delta R.T. 0.01 min

Lab File: VU027899.D

Acq: 01 Nov 2018 12:48

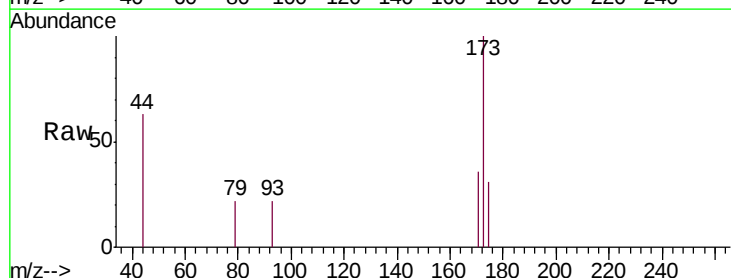
Tgt Ion: 173 Resp: 837

Ion Ratio Lower Upper

173 100

175 44.4 38.3 57.5

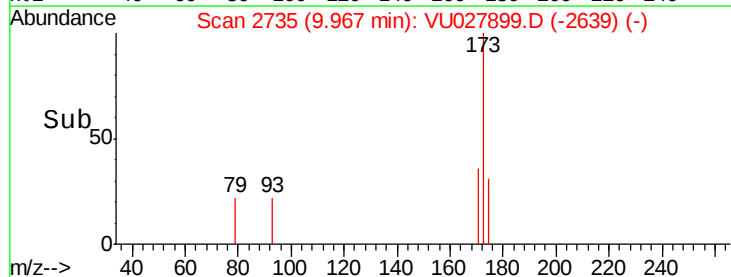
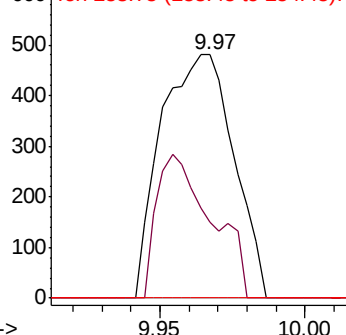
254 0.0 7.8 11.6#

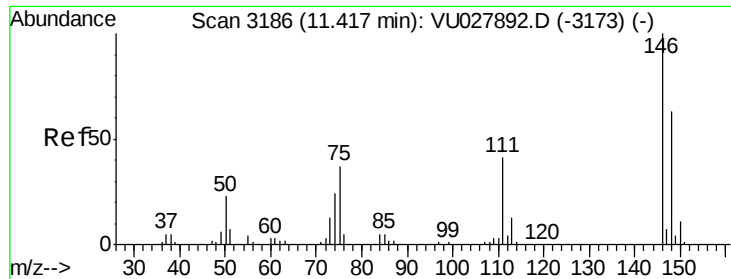


Abundance Ion 172.90 (172.60 to 173.60): V

Ion 174.90 (174.60 to 175.60): V

Ion 253.75 (253.45 to 254.45): V





#62

1,3-Dichlorobenzene

Concen: 0.319 ug/L

RT: 11.42 min Scan# 3187

Delta R.T. 0.00 min

Lab File: VU027899.D

Acq: 01 Nov 2018 12:48

Instrument :

MSVOA_U

ClientSampleId :

MDL06

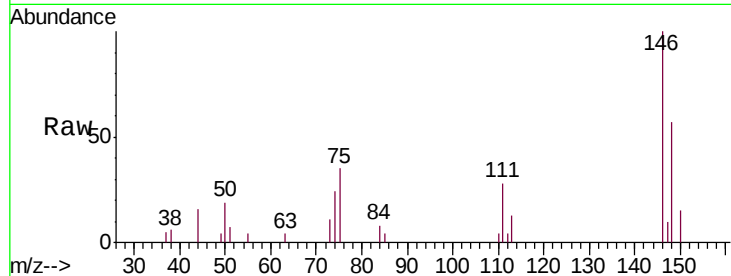
Tgt Ion:146 Resp: 4175

Ion Ratio Lower Upper

146 100

111 28.0 27.4 51.0

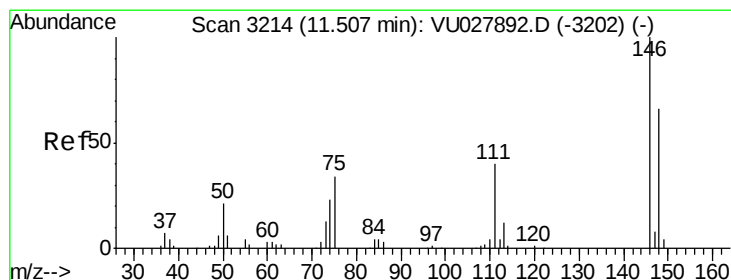
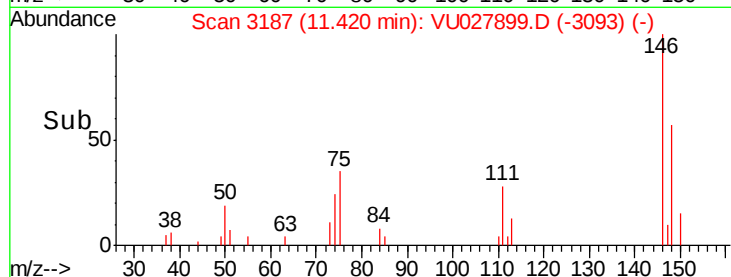
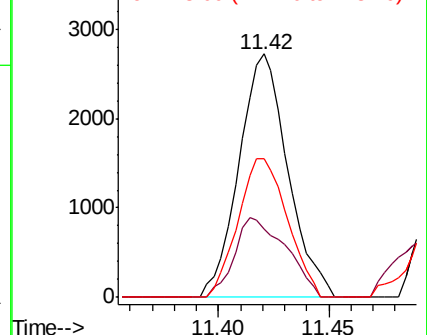
148 56.8 42.6 79.0



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#63

1,4-Dichlorobenzene

Concen: 0.318 ug/L

RT: 11.51 min Scan# 3215

Delta R.T. 0.00 min

Lab File: VU027899.D

Acq: 01 Nov 2018 12:48

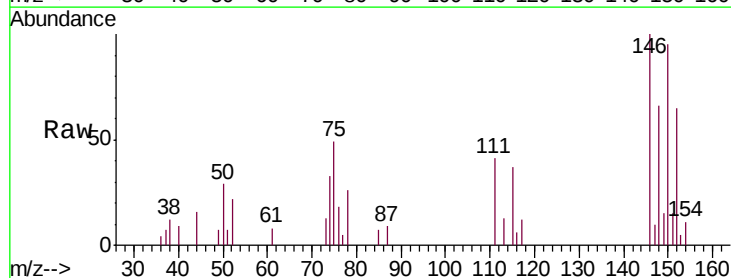
Tgt Ion:146 Resp: 4166

Ion Ratio Lower Upper

146 100

111 40.5 27.4 51.0

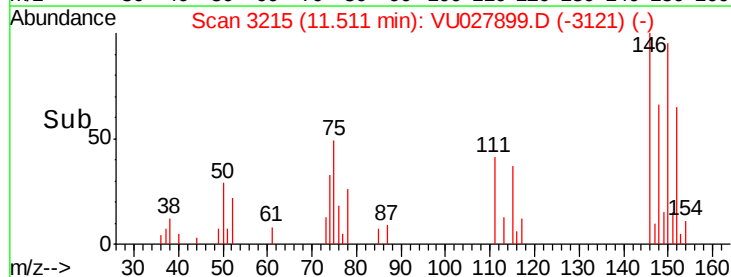
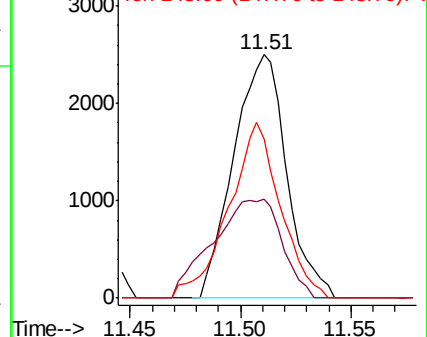
148 65.5 43.1 80.1

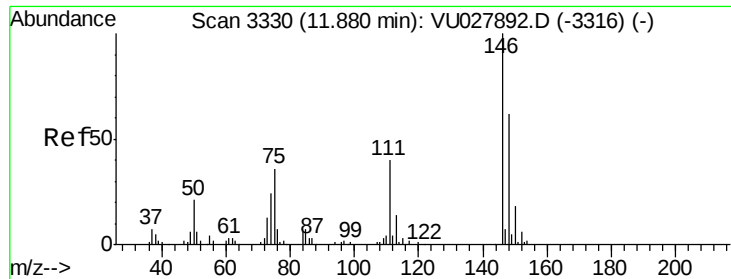


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 0.284 ug/L

RT: 11.88 min Scan# 3330

Delta R.T. -0.00 min

Lab File: VU027899.D

Acq: 01 Nov 2018 12:48

Instrument :

MSVOA_U

ClientSampleId :

MDL06

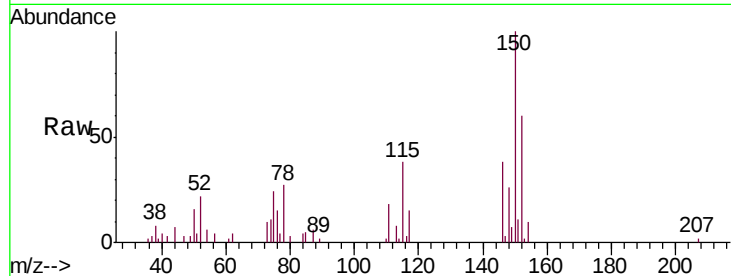
Tgt Ion:146 Resp: 3507

Ion Ratio Lower Upper

146 100

111 48.6 33.0 49.4

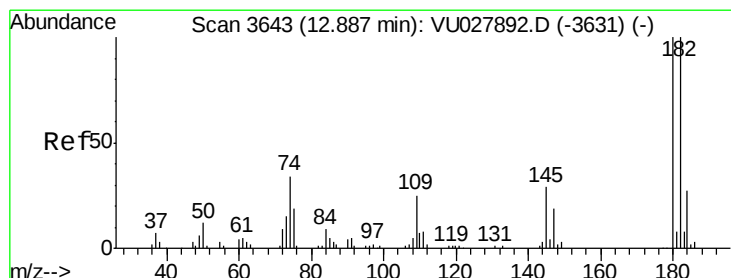
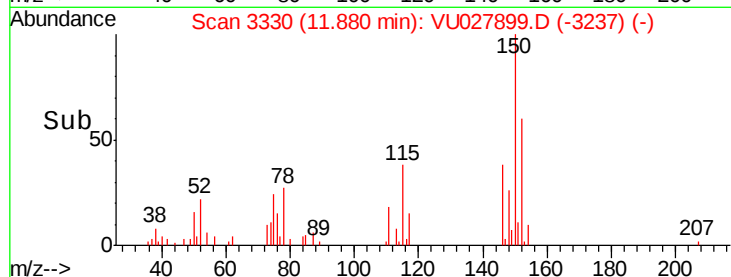
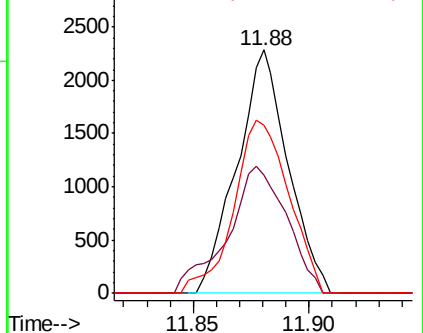
148 69.1 49.2 73.8



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#67

1,3,5-Trichlorobenzene

Concen: 0.221 ug/L

RT: 13.51 min Scan# 3837

Delta R.T. 0.62 min

Lab File: VU027899.D

Acq: 01 Nov 2018 12:48

Tgt Ion:180 Resp: 2328

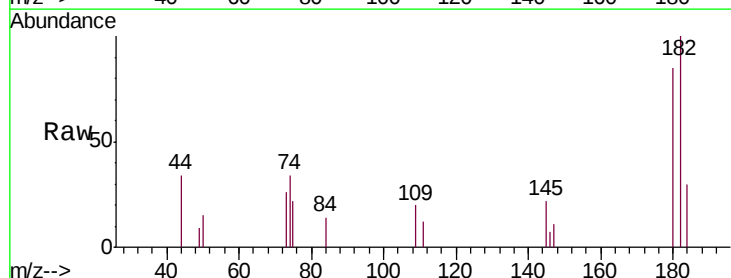
Ion Ratio Lower Upper

180 100

182 105.0 77.3 115.9

184 30.7 24.6 37.0

145 25.3 23.0 34.6

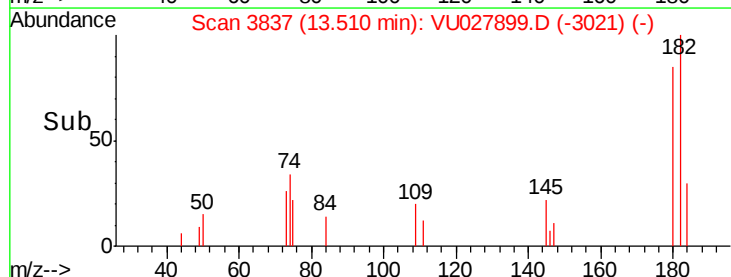
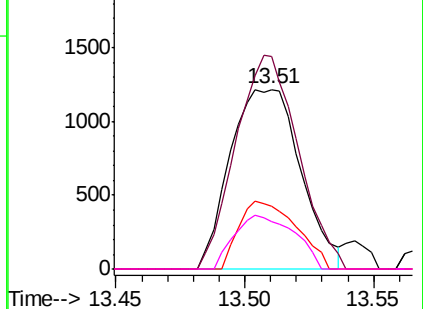


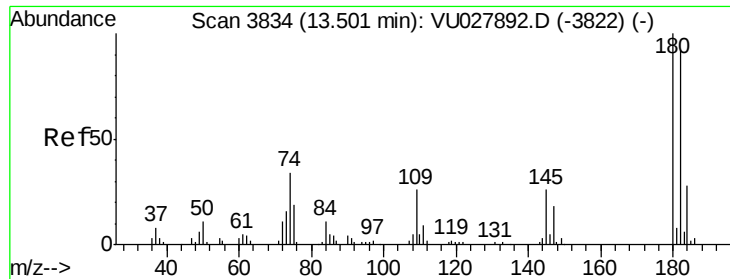
Abundance Ion 180.00 (179.70 to 180.70): V

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

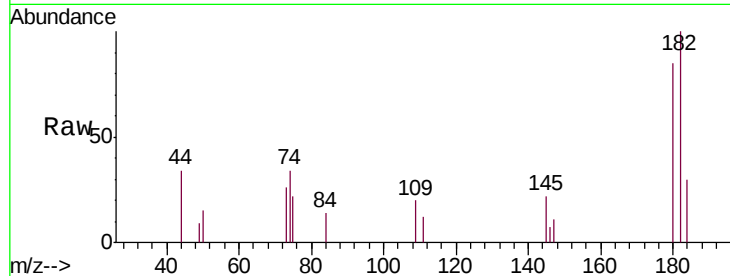




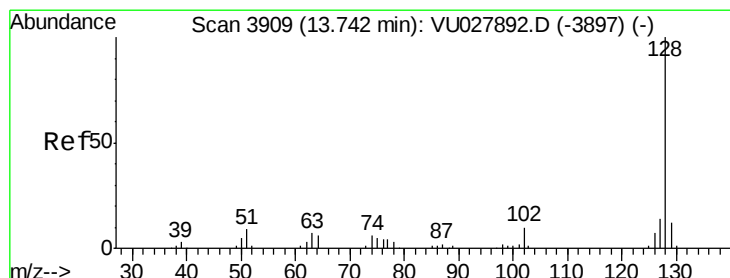
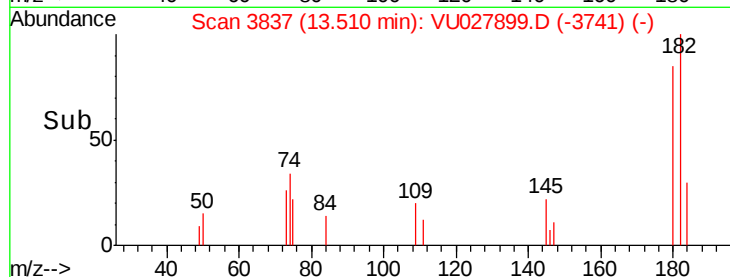
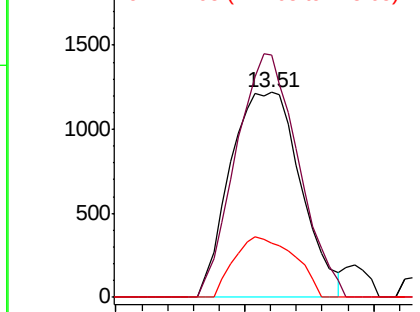
#68
 1,2,4-trichlorobenzene
 Concen: 0.260 ug/L
 RT: 13.51 min Scan# 3837
 Delta R.T. 0.01 min
 Lab File: VU027899.D
 Acq: 01 Nov 2018 12:48

Instrument :
 MSVOA_U
 ClientSampleId :
 MDL06

Tgt Ion:180 Resp: 2328
 Ion Ratio Lower Upper
 180 100
 182 105.0 77.8 116.6
 145 25.3 22.9 34.3

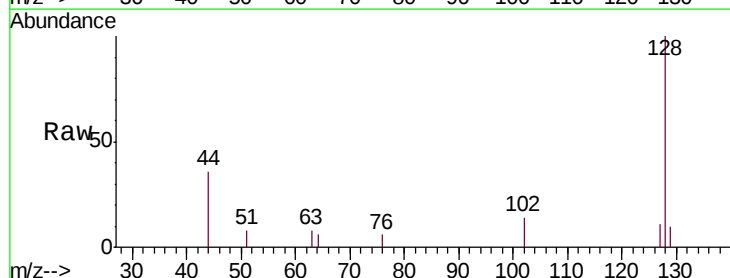


Abundance Ion 179.90 (179.60 to 180.60): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 144.95 (144.65 to 145.65): V

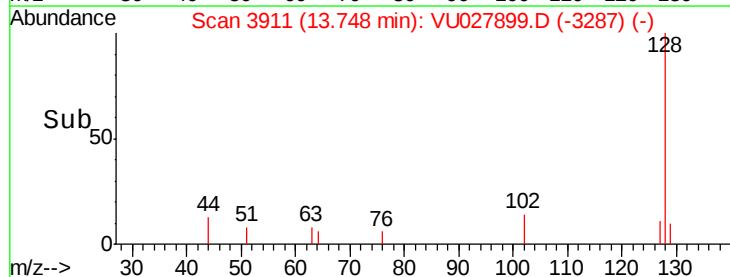
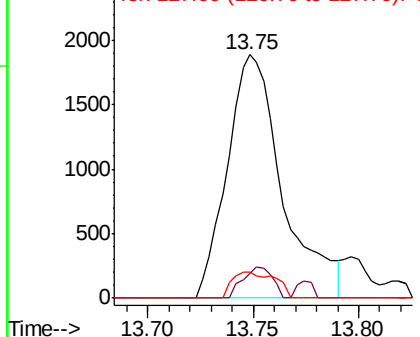


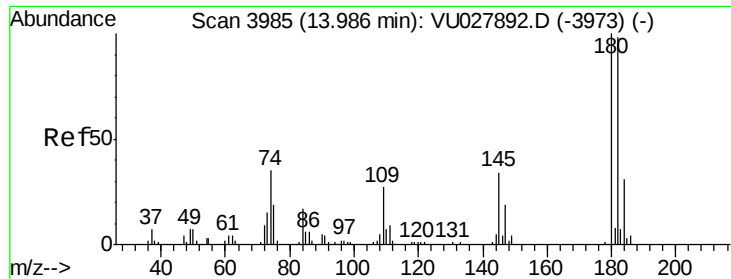
#69
 Naphthalene
 Concen: 0.246 ug/L
 RT: 13.75 min Scan# 3911
 Delta R.T. 0.01 min
 Lab File: VU027899.D
 Acq: 01 Nov 2018 12:48

Tgt Ion:128 Resp: 3428
 Ion Ratio Lower Upper
 128 100
 129 6.8 8.6 12.8#
 127 8.3 10.5 15.7#



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





#70
 1,2,3-Trichlorobenzene
 Concen: 0.300 ug/L
 RT: 13.99 min Scan# 3987
 Delta R.T. 0.01 min
 Lab File: VU027899.D
 Acq: 01 Nov 2018 12:48

Instrument :
 MSVOA_U
 ClientSampleId :
 MDL06

Tgt Ion:180 Resp: 2451
 Ion Ratio Lower Upper
 180 100
 182 88.3 79.4 119.0
 145 23.8 25.4 38.0#

