

Data File : VU027895.D
Acq On : 01 Nov 2018 11:13
Operator : MD/SY
Sample : MDL02
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
MDL02

Quant Time: Nov 02 08:05:55 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	82139	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	76294	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	37060	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	23832	3.71	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	74.20%
7) Chloroethane-d5	1.68	69	19434	3.92	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	78.40%
11) 1,1-Dichloroethene-d2	2.28	63	38264	3.14	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	62.80%
20) 2-Butanone-d5	4.20	46	87985	45.96	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	91.92%
24) Chloroform-d	4.65	84	46136	4.00	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	80.00%
26) 1,2-Dichloroethane-d4	5.31	65	30993	4.67	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	93.40%
32) Benzene-d6	5.34	84	89239	4.27	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	85.40%
36) 1,2-Dichloropropane-d6	6.33	67	31748	4.29	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	85.80%
41) Toluene-d8	7.57	98	83127	4.18	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	83.60%
43) trans-1,3-Dichloropropene-	7.85	79	12536	4.38	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	87.60%
46) 2-Hexanone-d5	8.31	63	70686	45.15	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	90.30%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	23885	4.56	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	91.20%
64) 1,2-Dichlorobenzene-d4	11.86	152	31771	4.48	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	89.60%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.21	85	2776	0.343 ug/L	92
3) Chloromethane	1.33	50	2883	0.359 ug/L	100
5) Vinyl chloride	1.40	62	2649	0.332 ug/L #	70
6) Bromomethane	1.63	94	1031	0.393 ug/L #	63
8) Chloroethane	1.70	64	1755	0.375 ug/L	84
9) Trichlorofluoromethane	1.89	101	3687	0.348 ug/L	100
10) 1,1,2-Trichloro-1,2,2-trif	2.29	101	2190	0.405 ug/L #	83
12) 1,1-Dichloroethene	2.29	96	1820	0.357 ug/L #	1
13) Acetone	2.32	43	4843	4.013 ug/L	88
14) Carbon disulfide	2.48	76	5480	0.301 ug/L	97
15) Methyl Acetate	2.62	43	910	0.282 ug/L #	79
16) Methylene chloride	2.70	84	2083	0.363 ug/L	85
17) Methyl tert-butyl Ether	3.01	73	5109	0.336 ug/L #	89
18) trans-1,2-Dichloroethene	2.98	96	1825	0.337 ug/L	92
19) 1,1-Dichloroethane	3.45	63	3928	0.343 ug/L	95
21) 2-Butanone	4.29	43	8036	3.830 ug/L	89
22) cis-1,2-Dichloroethene	4.22	96	1975	0.315 ug/L	81

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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

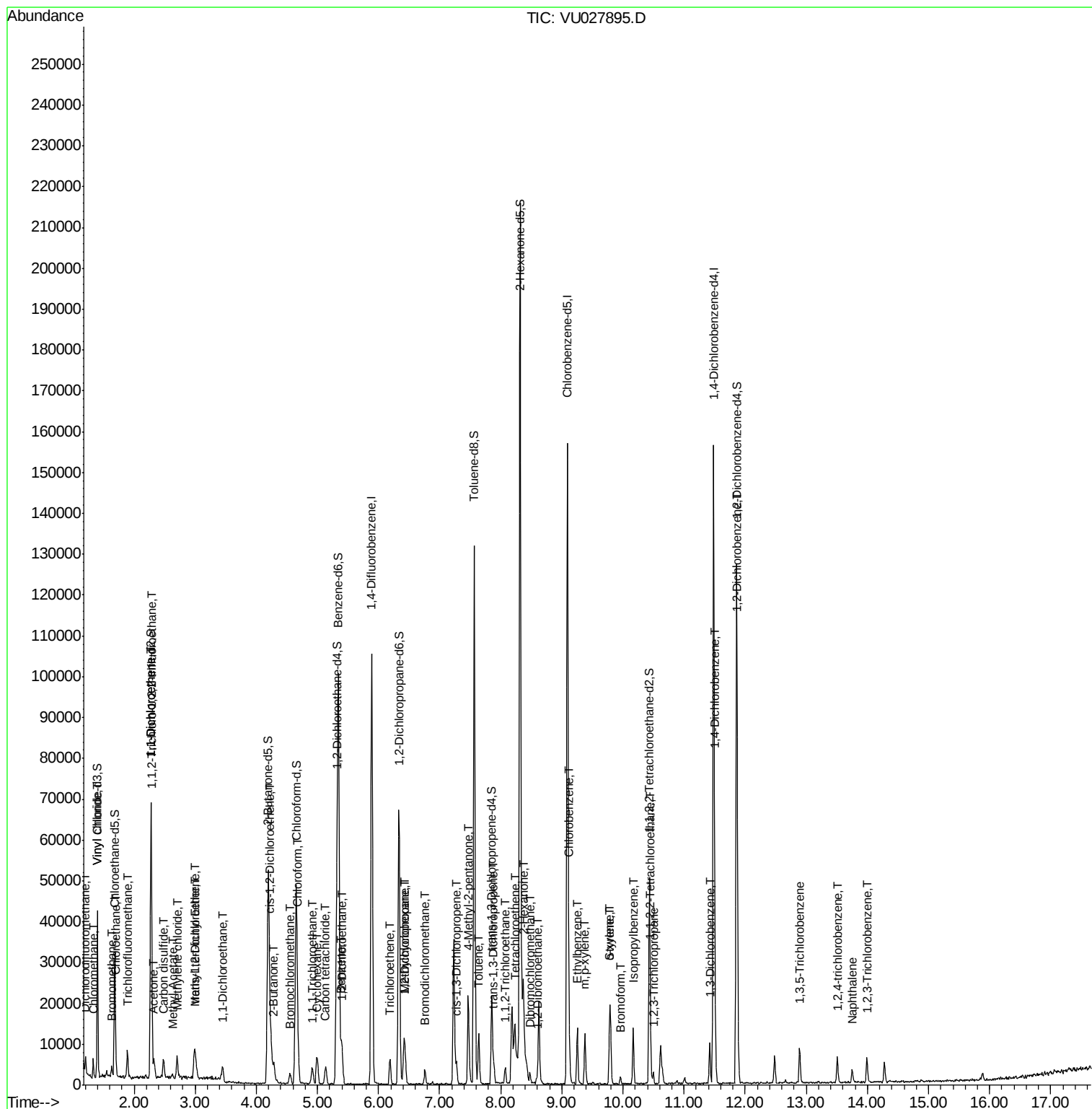
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.56	128	465	0.179	ug/L #	64
25) Chloroform	4.68	83	8585	0.740	ug/L	98
27) 1,2-Dichloroethane	5.41	62	3157	0.390	ug/L	97
29) 1,1,1-Trichloroethane	4.92	97	3370	0.342	ug/L	99
30) Cyclohexane	4.99	56	3829	0.331	ug/L #	90
31) Carbon tetrachloride	5.13	117	2949	0.349	ug/L	96
33) Benzene	5.39	78	8617	0.357	ug/L	100
34) Trichloroethene	6.19	95	2197	0.349	ug/L	90
35) Methylcyclohexane	6.41	83	3507	0.328	ug/L	94
37) 1,2-Dichloropropane	6.43	63	2310	0.336	ug/L #	90
38) Bromodichloromethane	6.76	83	2546	0.316	ug/L #	83
39) cis-1,3-Dichloropropene	7.27	75	3584	0.363	ug/L	88
40) 4-Methyl-2-pentanone	7.47	43	17039	3.504	ug/L	93
42) Toluene	7.64	91	8808	0.348	ug/L	94
44) trans-1,3-Dichloropropene	7.88	75	3081	0.364	ug/L	89
45) 1,1,2-Trichloroethane	8.07	97	1322	0.312	ug/L	97
47) Tetrachloroethene	8.23	164	1736	0.359	ug/L	87
48) 2-Hexanone	8.37	43	13475	3.844	ug/L	98
49) Dibromochloromethane	8.48	129	1444	0.282	ug/L	95
50) 1,2-Dibromoethane	8.59	107	1305	0.322	ug/L #	91
51) Chlorobenzene	9.12	112	5113	0.326	ug/L	97
52) Ethylbenzene	9.25	91	9883	0.343	ug/L	99
53) m,p-xylene	9.38	106	3451	0.330	ug/L	89
54) o-xylene	9.78	106	3374	0.329	ug/L	94
55) Styrene	9.80	104	5630	0.327	ug/L	93
56) Isopropylbenzene	10.17	105	9038	0.323	ug/L	98
58) 1,1,2,2-Tetrachloroethane	10.46	83	1894	0.343	ug/L #	92
59) 1,2,3-Trichloropropane	10.49	75	1330	0.319	ug/L	97
61) Bromoform	9.96	173	925	0.339	ug/L #	81
62) 1,3-Dichlorobenzene	11.42	146	3866	0.324	ug/L	92
63) 1,4-Dichlorobenzene	11.51	146	4461	0.374	ug/L	98
65) 1,2-Dichlorobenzene	11.88	146	3952	0.351	ug/L	94
67) 1,3,5-Trichlorobenzene	12.89	180	2902	0.303	ug/L	95
68) 1,2,4-trichlorobenzene	13.50	180	2684	0.329	ug/L	97
69) Naphthalene	13.75	128	3557	0.280	ug/L #	92
70) 1,2,3-Trichlorobenzene	13.99	180	2585	0.348	ug/L #	84

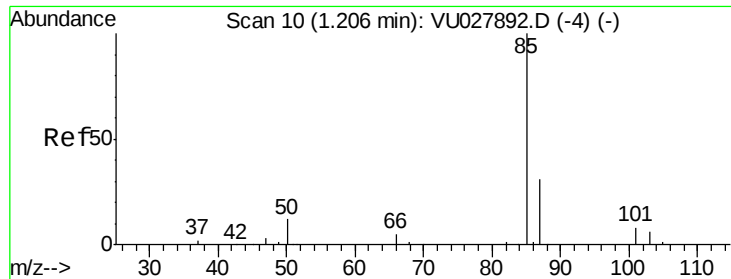
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 0.343 ug/L

RT: 1.21 min Scan# 10

Delta R.T. -0.00 min

Lab File: VU027895.D

Acq: 01 Nov 2018 11:13

Instrument :

MSVOA_U

ClientSampleId :

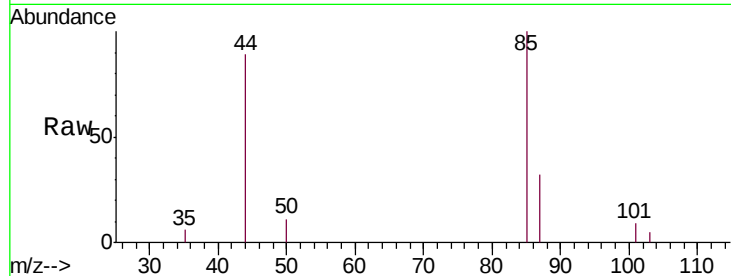
MDL02

Tgt Ion: 85 Resp: 2776

Ion Ratio Lower Upper

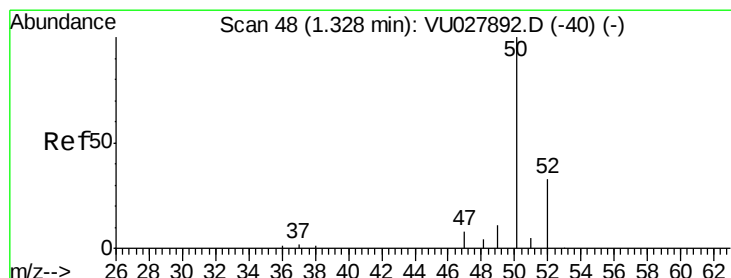
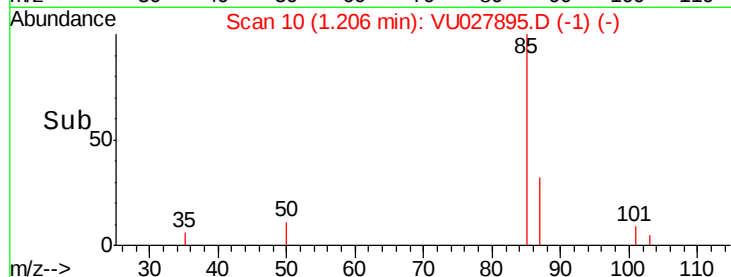
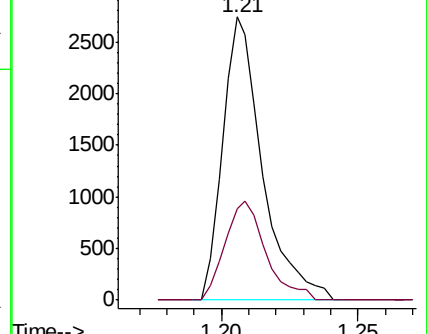
85 100

87 36.1 25.2 37.8



Abundance Ion 85.00 (84.70 to 85.70): VU0

Ion 87.00 (86.70 to 87.70): VU0



#3

Chloromethane

Concen: 0.359 ug/L

RT: 1.33 min Scan# 49

Delta R.T. 0.00 min

Lab File: VU027895.D

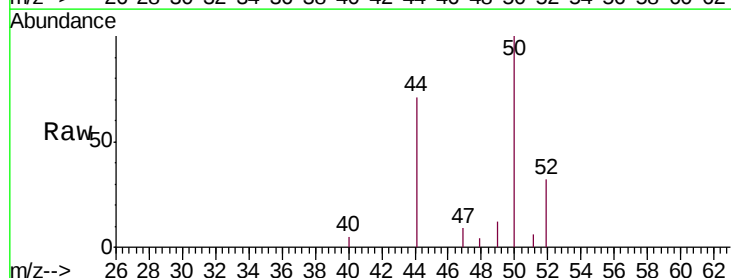
Acq: 01 Nov 2018 11:13

Tgt Ion: 50 Resp: 2883

Ion Ratio Lower Upper

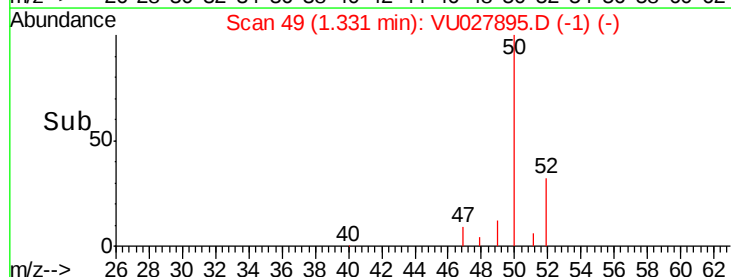
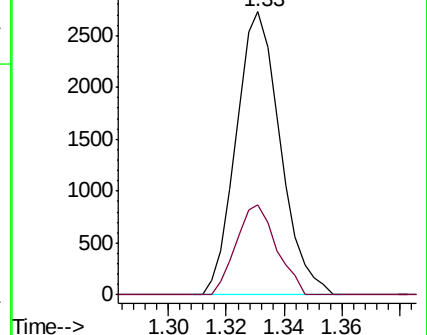
50 100

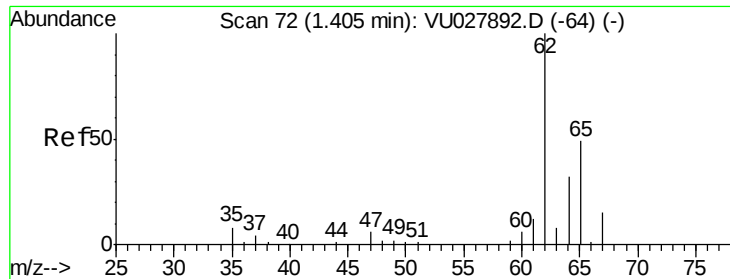
52 31.9 22.3 41.5



Abundance Ion 50.05 (49.75 to 50.75): VU0

Ion 52.05 (51.75 to 52.75): VU0





#5

Vinyl chloride

Concen: 0.332 ug/L

RT: 1.40 min Scan# 72

Delta R.T. -0.00 min

Lab File: VU027895.D

Acq: 01 Nov 2018 11:13

Instrument :

MSVOA_U

ClientSampleId :

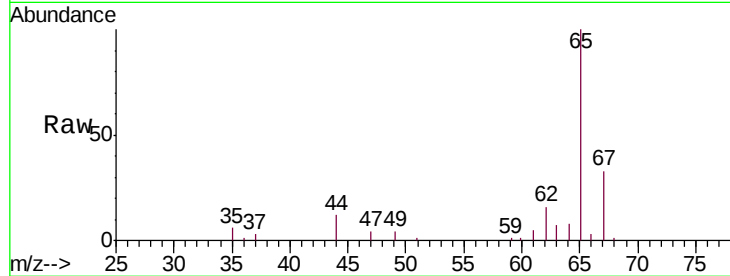
MDL02

Tgt Ion: 62 Resp: 2649

Ion Ratio Lower Upper

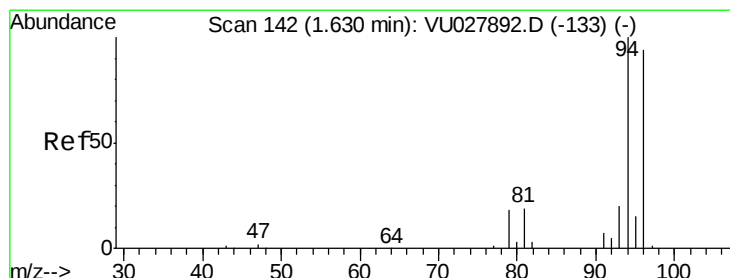
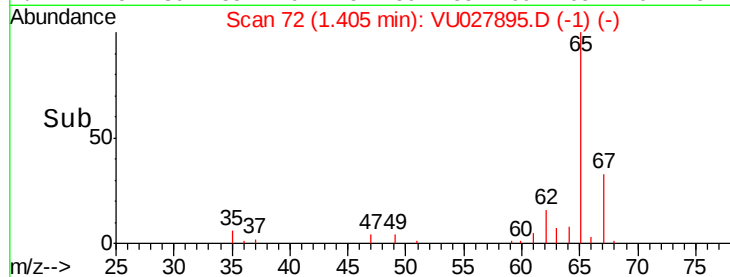
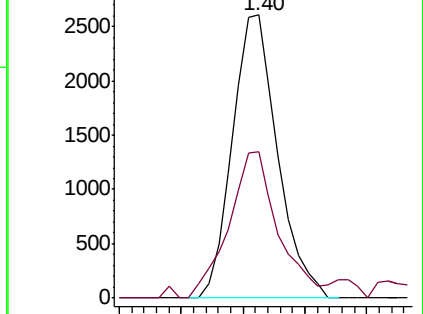
62 100

64 51.6 24.0 44.6#



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 64.10 (63.80 to 64.80): VU0



#6

Bromomethane

Concen: 0.393 ug/L

RT: 1.63 min Scan# 143

Delta R.T. 0.00 min

Lab File: VU027895.D

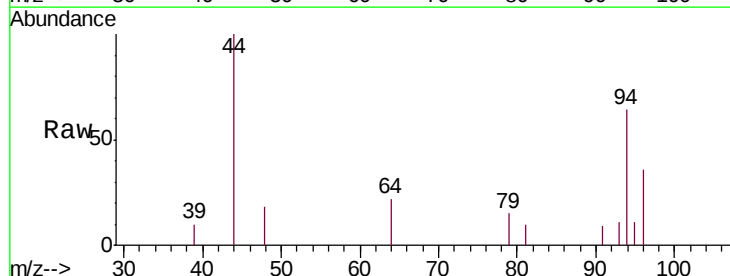
Acq: 01 Nov 2018 11:13

Tgt Ion: 94 Resp: 1031

Ion Ratio Lower Upper

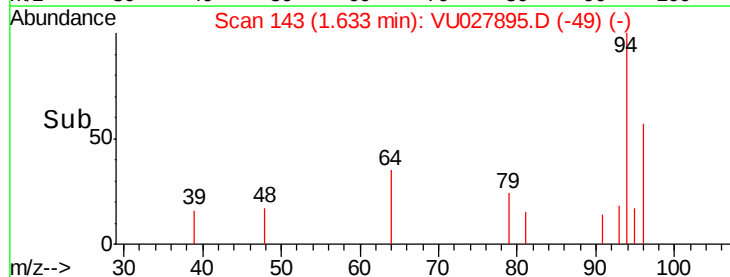
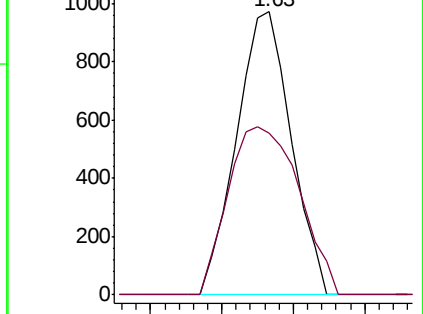
94 100

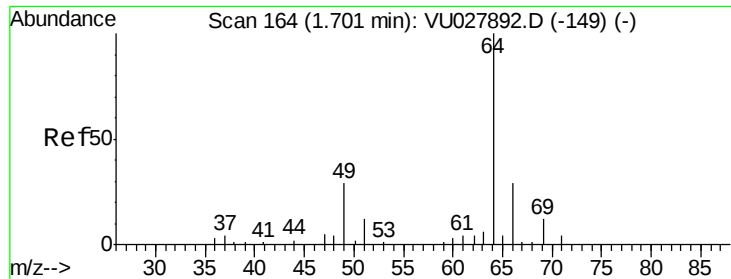
96 57.1 65.0 120.6#



Abundance Ion 94.00 (93.70 to 94.70): VU0

Ion 96.00 (95.70 to 96.70): VU0





#8

Chloroethane

Concen: 0.375 ug/L

RT: 1.70 min Scan# 165

Delta R.T. 0.00 min

Lab File: VU027895.D

Acq: 01 Nov 2018 11:13

Instrument :

MSVOA_U

ClientSampleId :

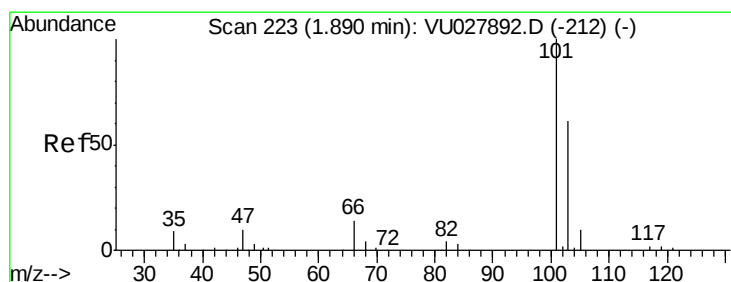
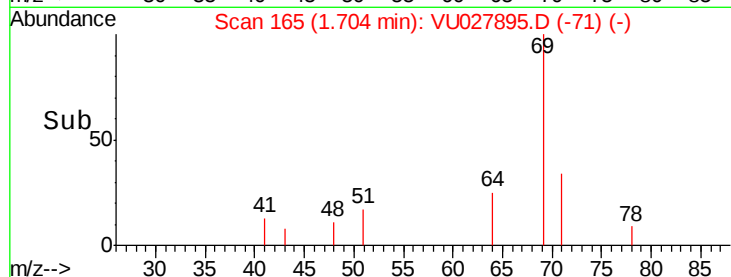
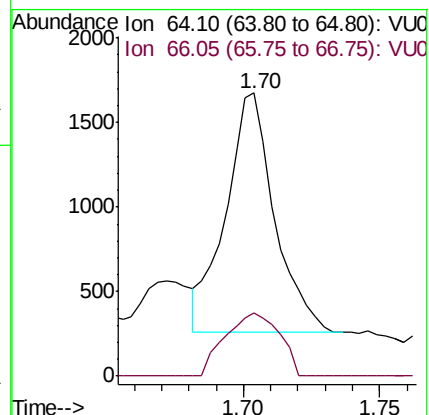
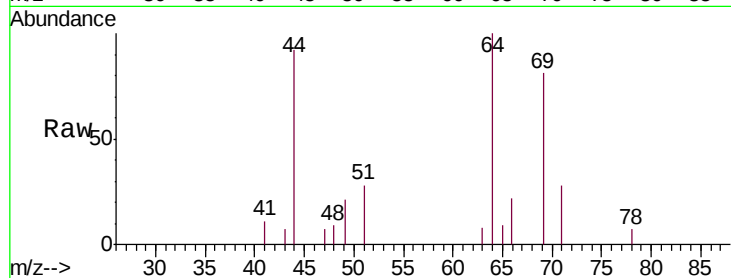
MDL02

Tgt Ion: 64 Resp: 1755

Ion Ratio Lower Upper

64 100

66 22.2 21.8 40.6



#9

Trichlorofluoromethane

Concen: 0.348 ug/L

RT: 1.89 min Scan# 224

Delta R.T. 0.00 min

Lab File: VU027895.D

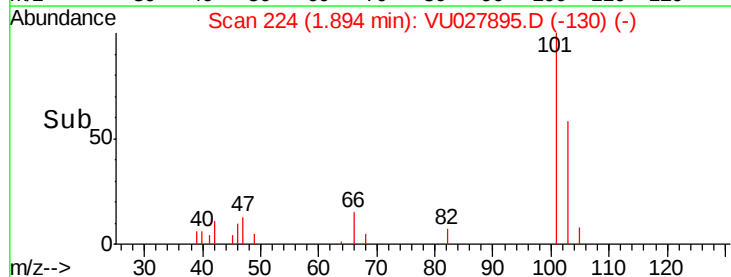
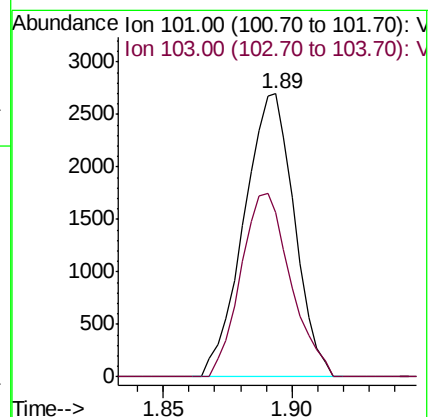
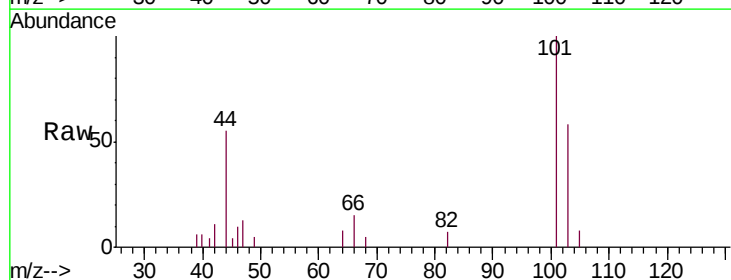
Acq: 01 Nov 2018 11:13

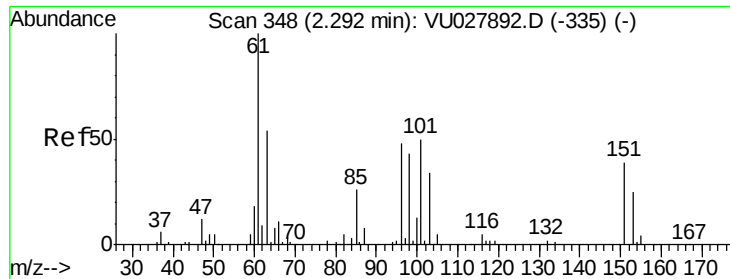
Tgt Ion: 101 Resp: 3687

Ion Ratio Lower Upper

101 100

103 64.3 51.4 77.0





#10

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

Concen: 0.405 ug/L

RT: 2.29 min Scan# 348

Delta R.T. -0.00 min

Lab File: VU027895.D

Acq: 01 Nov 2018 11:13

Instrument :

MSVOA_U

ClientSampled :

MDL02

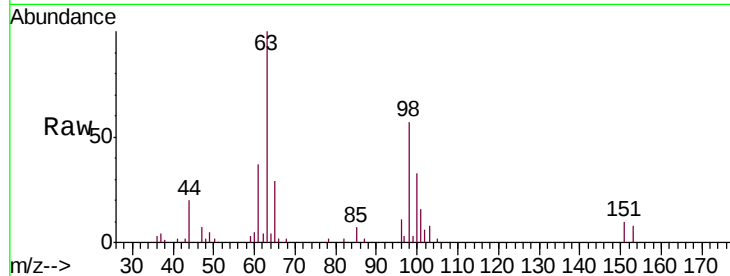
Tgt Ion: 101 Resp: 2190

Ion Ratio Lower Upper

101 100

85 34.1 37.1 55.7#

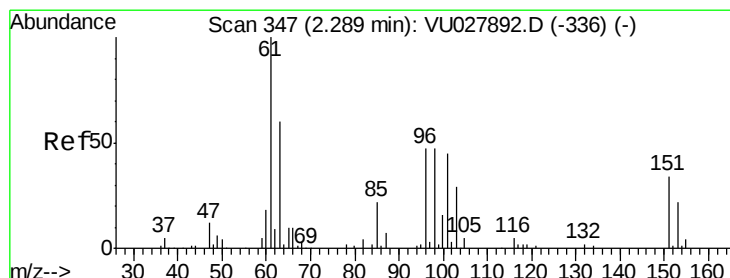
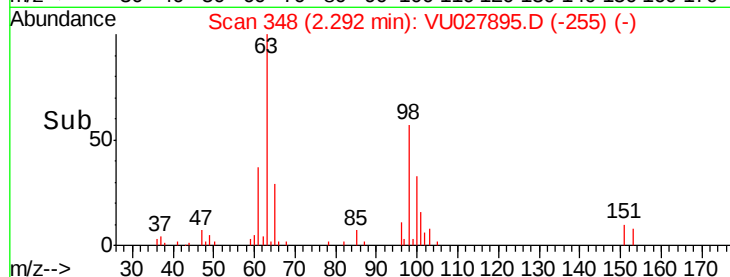
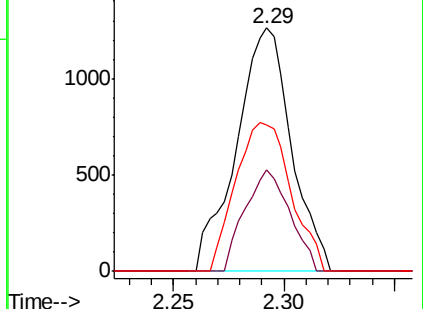
151 61.2 59.9 89.9



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: 0.357 ug/L

RT: 2.29 min Scan# 346

Delta R.T. -0.00 min

Lab File: VU027895.D

Acq: 01 Nov 2018 11:13

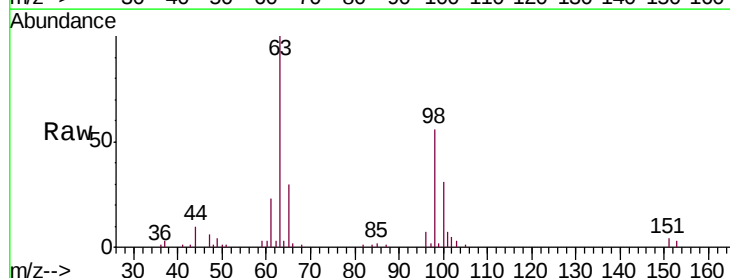
Tgt Ion: 96 Resp: 1820

Ion Ratio Lower Upper

96 100

61 311.5 141.1 262.1#

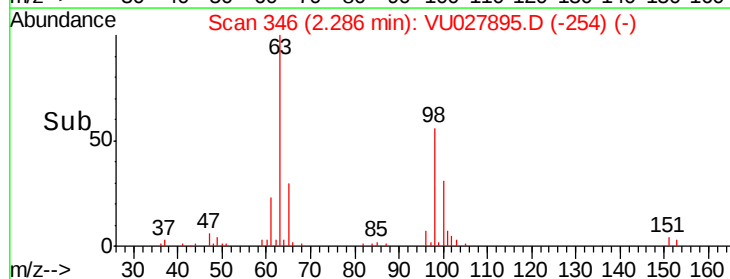
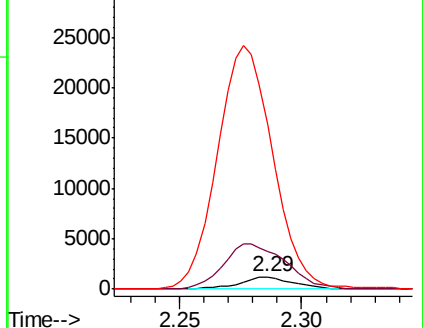
63 1363.5 113.0 209.9#

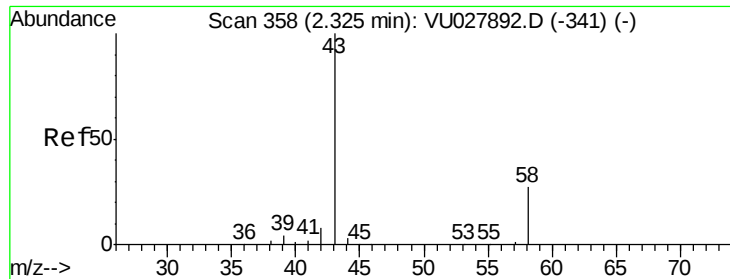


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 4.013 ug/L

RT: 2.32 min Scan# 358

Delta R.T. -0.00 min

Lab File: VU027895.D

Acq: 01 Nov 2018 11:13

Instrument :

MSVOA_U

ClientSampled :

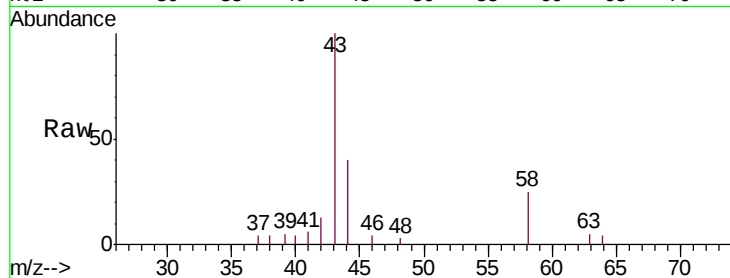
MDL02

Tgt Ion: 43 Resp: 4843

Ion Ratio Lower Upper

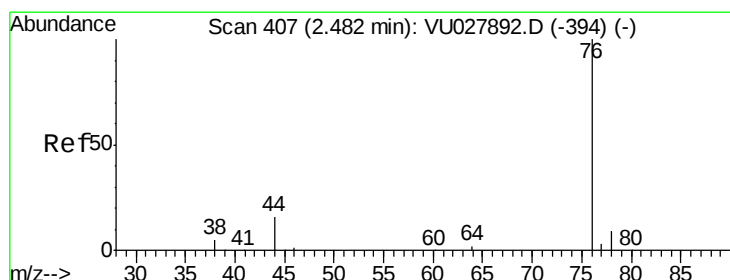
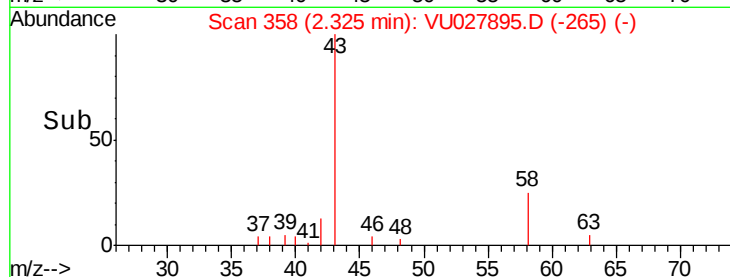
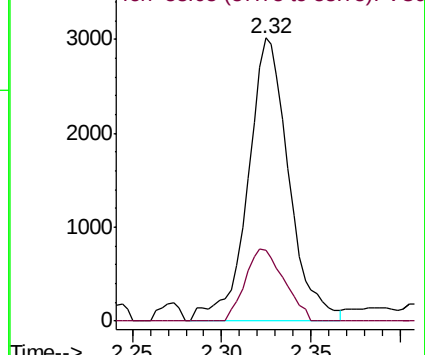
43 100

58 24.2 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: 0.301 ug/L

RT: 2.48 min Scan# 407

Delta R.T. -0.00 min

Lab File: VU027895.D

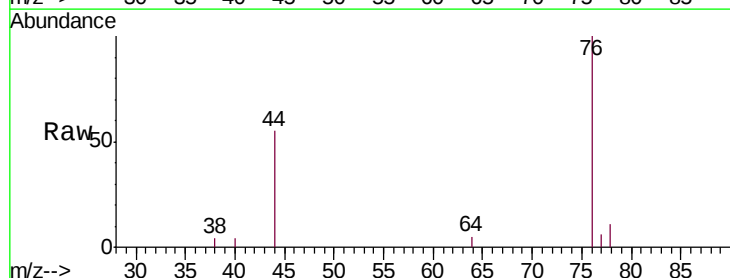
Acq: 01 Nov 2018 11:13

Tgt Ion: 76 Resp: 5480

Ion Ratio Lower Upper

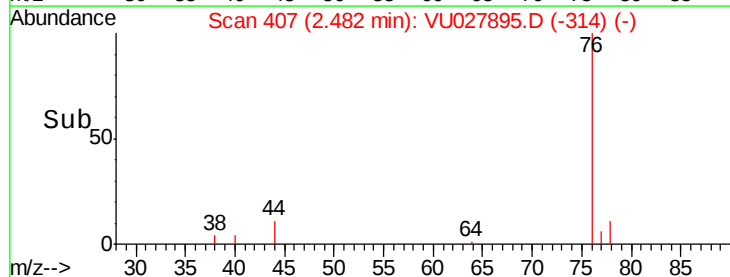
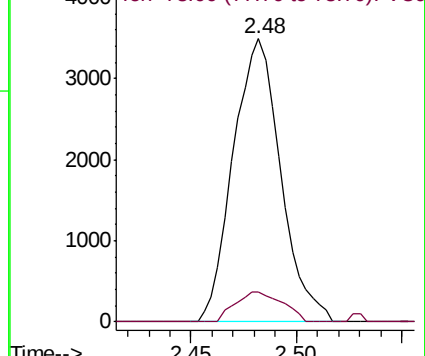
76 100

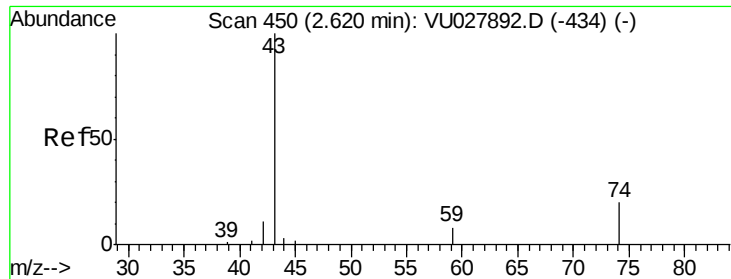
78 10.5 7.5 11.3



Abundance Ion 76.05 (75.75 to 76.75): VU0

Ion 78.00 (77.70 to 78.70): VU0

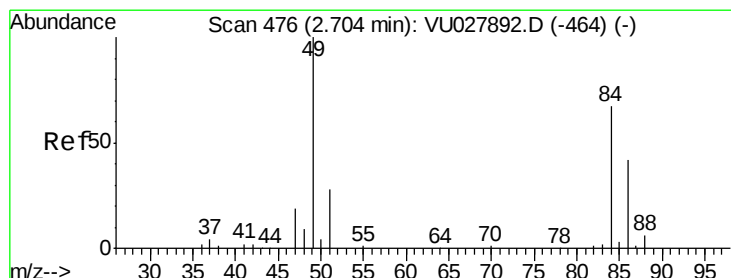
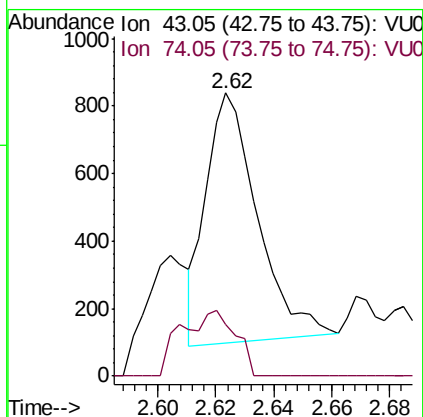
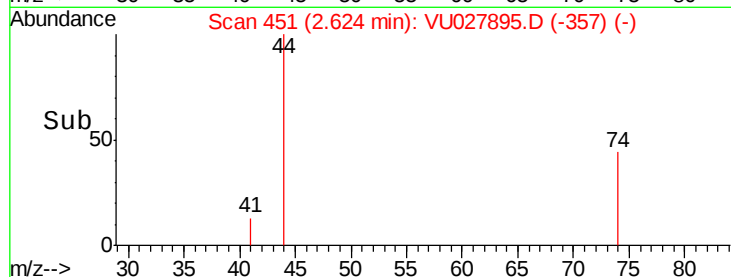
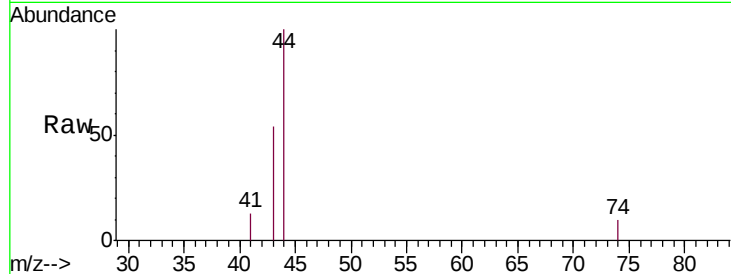




#15
Methyl Acetate
Concen: 0.282 ug/L
RT: 2.62 min Scan# 451
Delta R.T. 0.00 min
Lab File: VU027895.D
Acq: 01 Nov 2018 11:13

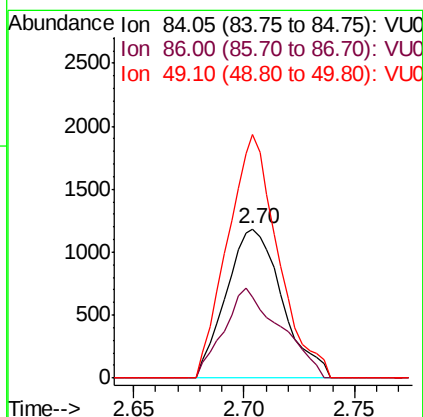
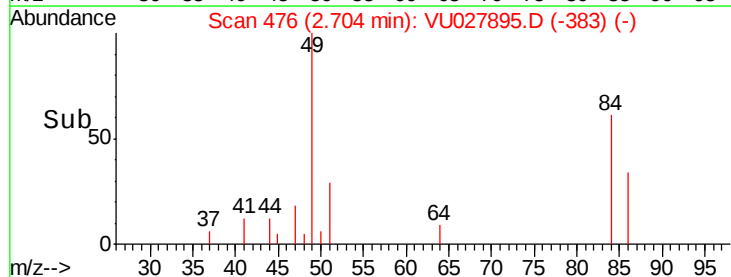
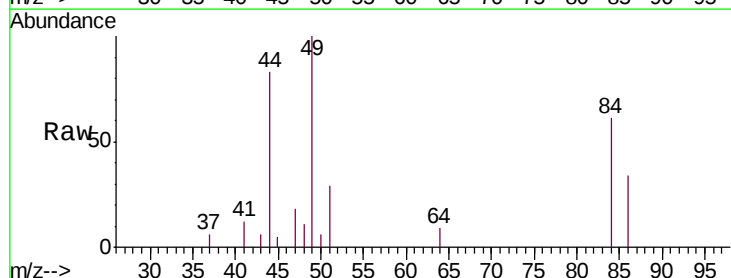
Instrument :
MSVOA_U
ClientSampleId :
MDL02

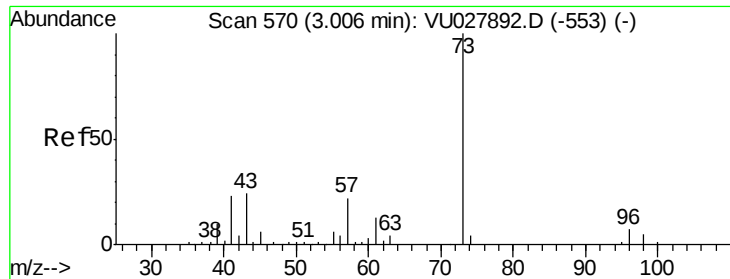
Tgt Ion: 43 Resp: 910
Ion Ratio Lower Upper
43 100
74 27.9 14.9 22.3#



#16
Methylene chloride
Concen: 0.363 ug/L
RT: 2.70 min Scan# 476
Delta R.T. -0.00 min
Lab File: VU027895.D
Acq: 01 Nov 2018 11:13

Tgt Ion: 84 Resp: 2083
Ion Ratio Lower Upper
84 100
86 54.7 46.7 86.7
49 163.1 101.3 188.1



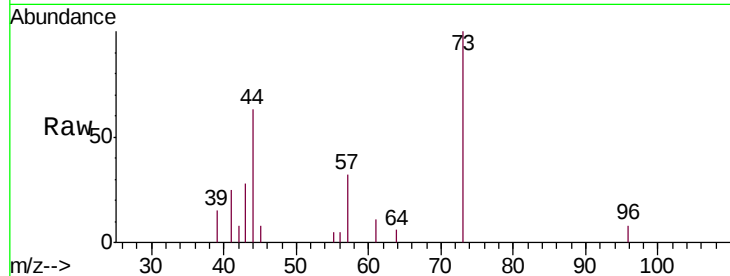


#17

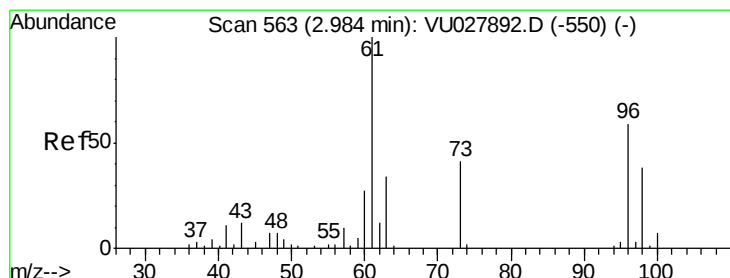
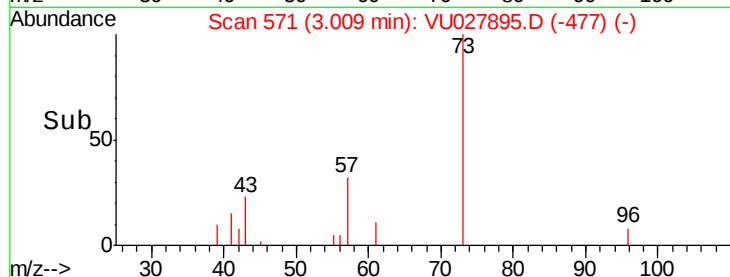
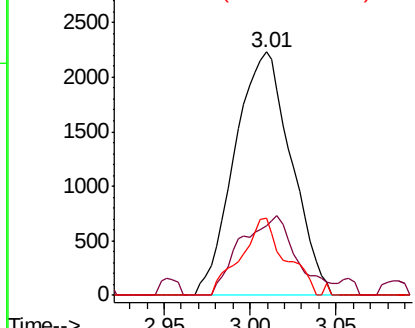
Methyl tert-butyl Ether
 Concen: 0.336 ug/L
 RT: 3.01 min Scan# 571
 Delta R.T. 0.00 min
 Lab File: VU027895.D
 Acq: 01 Nov 2018 11:13

Instrument :
 MSVOA_U
 ClientSampleId :
 MDL02

Tgt Ion: 73 Resp: 5109
 Ion Ratio Lower Upper
 73 100
 43 32.3 18.7 28.1#
 57 24.7 18.7 28.1



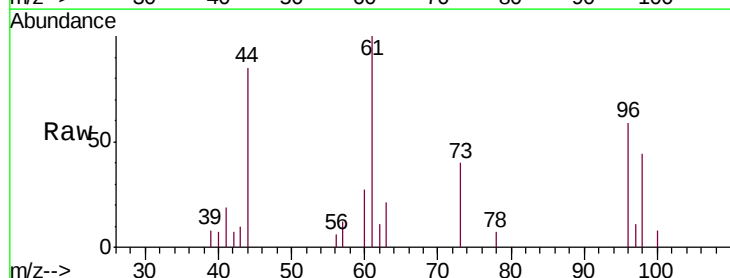
Abundance Ion 73.10 (72.80 to 73.80): VU0
 Ion 43.05 (42.75 to 43.75): VU0
 Ion 57.10 (56.80 to 57.80): VU0



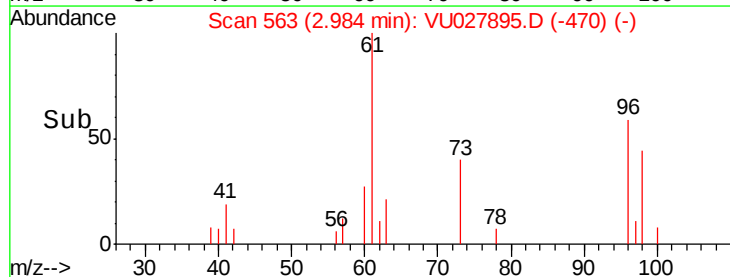
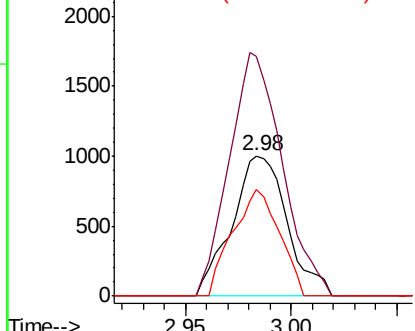
#18

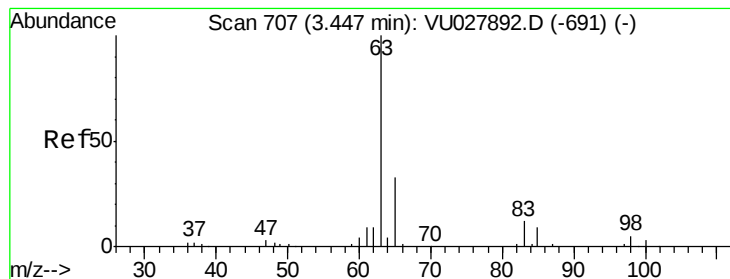
trans-1,2-Dichloroethene
 Concen: 0.337 ug/L
 RT: 2.98 min Scan# 563
 Delta R.T. -0.00 min
 Lab File: VU027895.D
 Acq: 01 Nov 2018 11:13

Tgt Ion: 96 Resp: 1825
 Ion Ratio Lower Upper
 96 100
 61 170.3 115.2 214.0
 98 75.6 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: 0.343 ug/L

RT: 3.45 min Scan# 709

Delta R.T. 0.01 min

Lab File: VU027895.D

Acq: 01 Nov 2018 11:13

Instrument :

MSVOA_U

ClientSampleId :

MDL02

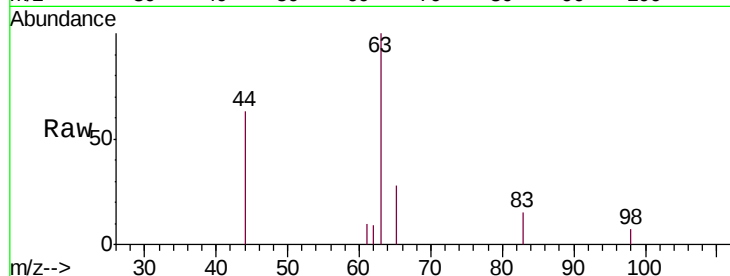
Tgt Ion: 63 Resp: 3928

Ion Ratio Lower Upper

63 100

65 28.3 21.8 40.4

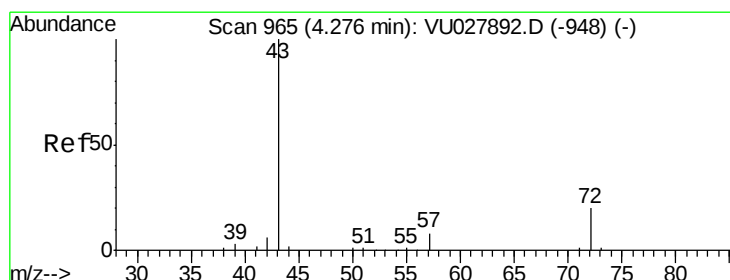
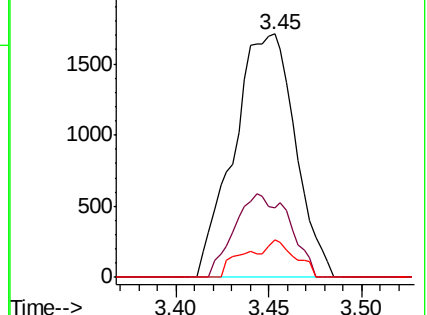
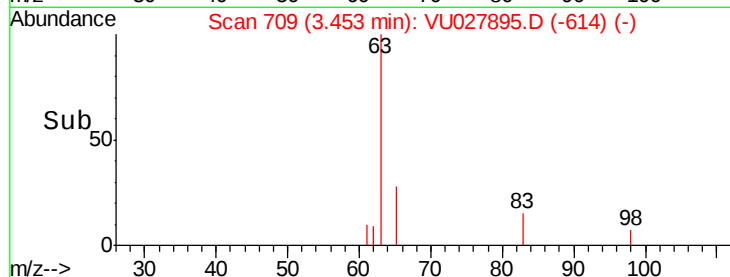
83 15.4 9.4 17.4



Abundance Ion 63.10 (62.80 to 63.80): VU027895.D (-614) (-)

Ion 65.10 (64.80 to 65.80): VU027895.D (-614) (-)

Ion 83.05 (82.75 to 83.75): VU027895.D (-614) (-)



#21

2-Butanone

Concen: 3.830 ug/L

RT: 4.29 min Scan# 968

Delta R.T. 0.01 min

Lab File: VU027895.D

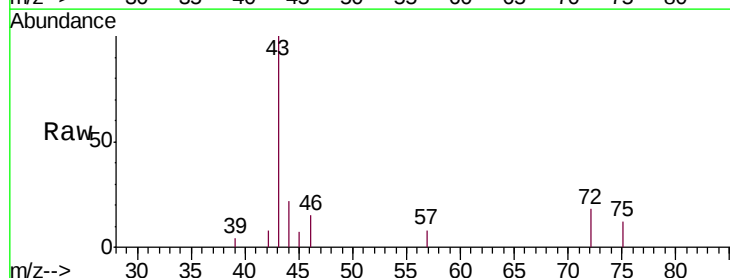
Acq: 01 Nov 2018 11:13

Tgt Ion: 43 Resp: 8036

Ion Ratio Lower Upper

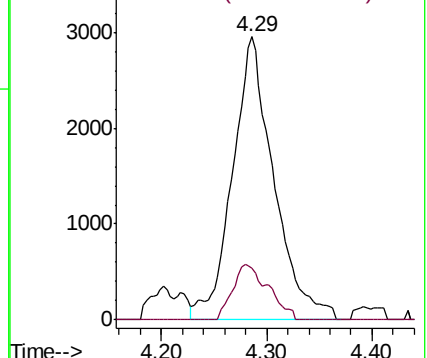
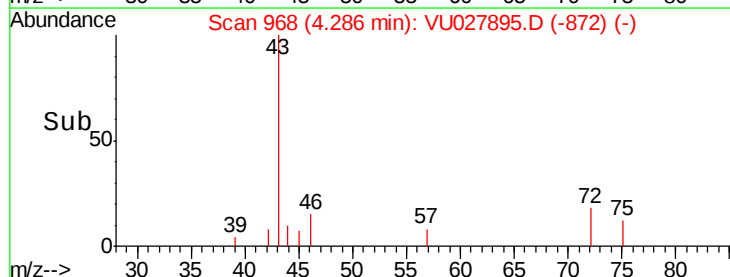
43 100

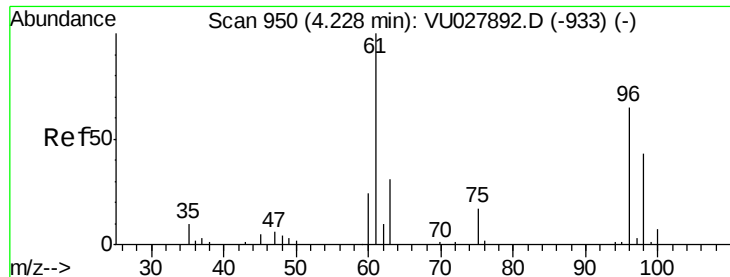
72 16.9 10.9 32.9



Abundance Ion 43.05 (42.75 to 43.75): VU027895.D (-872) (-)

Ion 72.10 (71.80 to 72.80): VU027895.D (-872) (-)



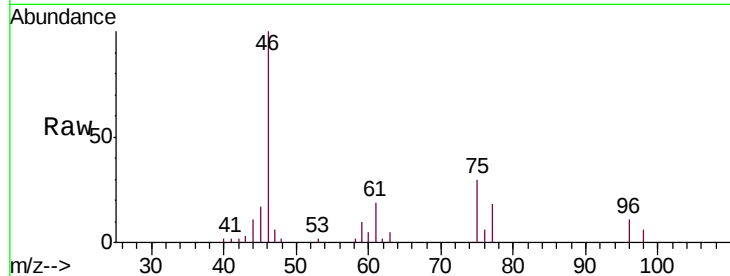


#22

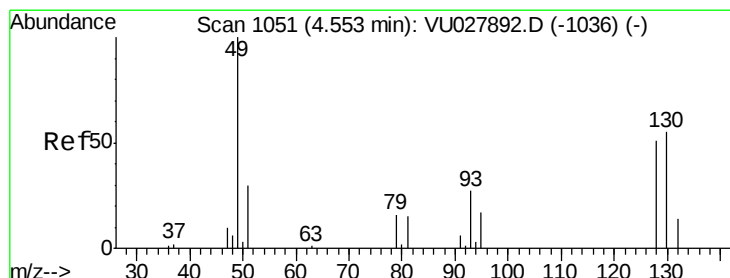
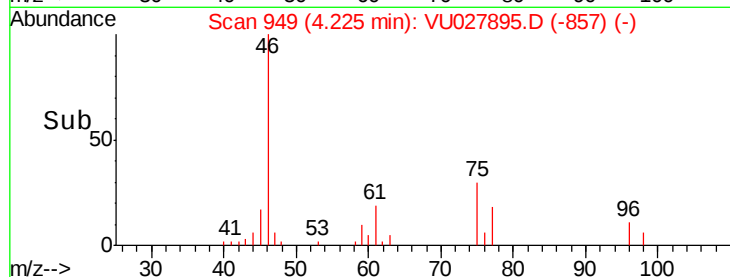
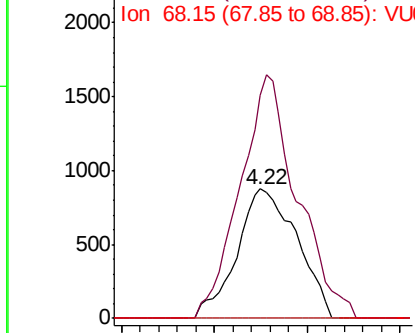
cis-1,2-Dichloroethene
 Concen: 0.315 ug/L
 RT: 4.22 min Scan# 949
 Delta R.T. -0.00 min
 Lab File: VU027895.D
 Acq: 01 Nov 2018 11:13

Instrument :
 MSVOA_U
 ClientSampleId :
 MDL02

Tgt Ion: 96 Resp: 1975
 Ion Ratio Lower Upper
 96 100
 61 171.9 104.0 193.2
 68 0.0 0.0 0.0



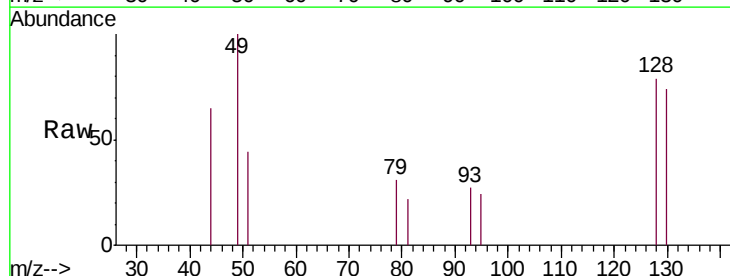
Abundance Ion 96.00 (95.70 to 96.70): VU0
 Ion 61.05 (60.75 to 61.75): VU0
 Ion 68.15 (67.85 to 68.85): VU0



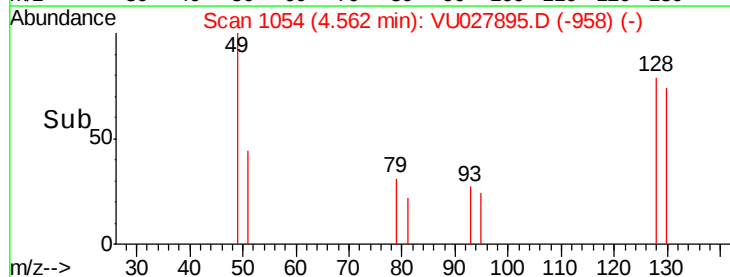
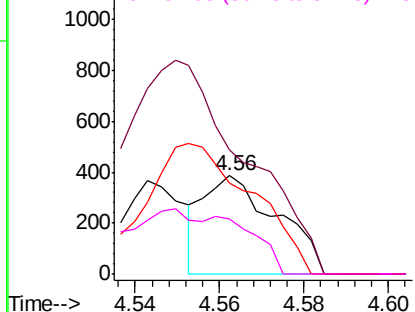
#23

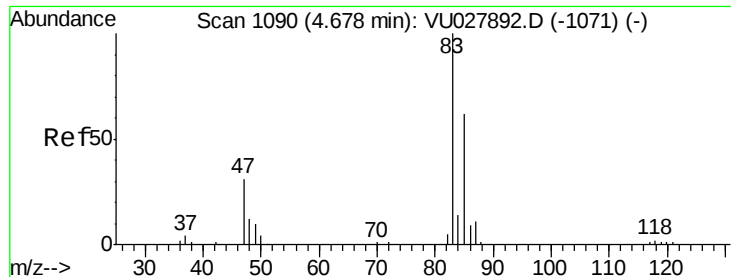
Bromochloromethane
 Concen: 0.179 ug/L
 RT: 4.56 min Scan# 1054
 Delta R.T. 0.01 min
 Lab File: VU027895.D
 Acq: 01 Nov 2018 11:13

Tgt Ion: 128 Resp: 465
 Ion Ratio Lower Upper
 128 100
 49 125.8 142.0 263.8#
 130 92.8 86.1 159.9
 51 55.6 50.4 75.6



Abundance Ion 127.90 (127.60 to 128.60): V
 Ion 49.10 (48.80 to 49.80): VU0
 Ion 129.95 (129.65 to 130.65): V
 Ion 51.05 (50.75 to 51.75): VU0

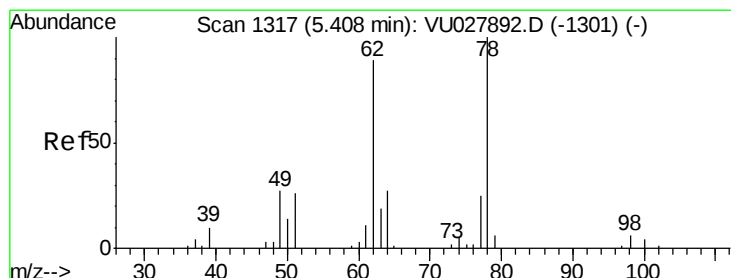
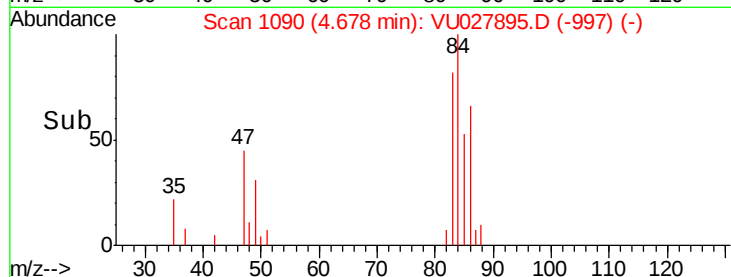
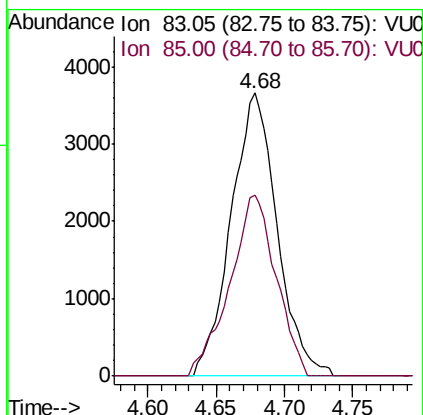
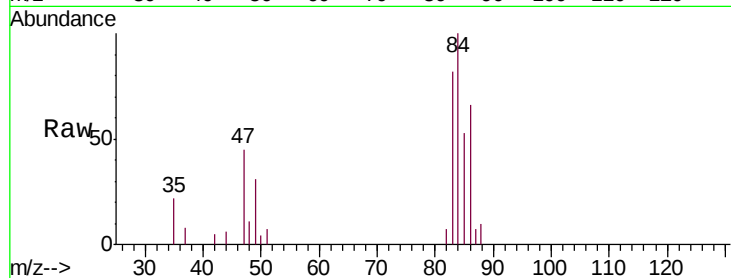




#25
Chloroform
Concen: 0.740 ug/L
RT: 4.68 min Scan# 1090
Delta R.T. -0.00 min
Lab File: VU027895.D
Acq: 01 Nov 2018 11:13

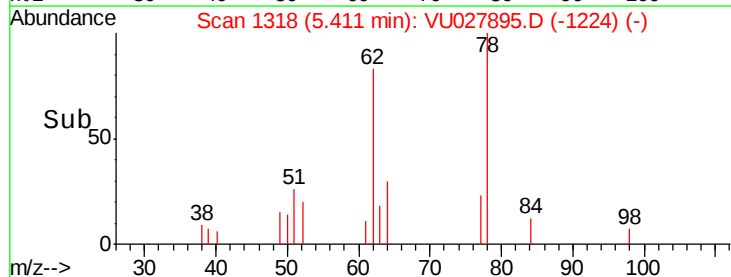
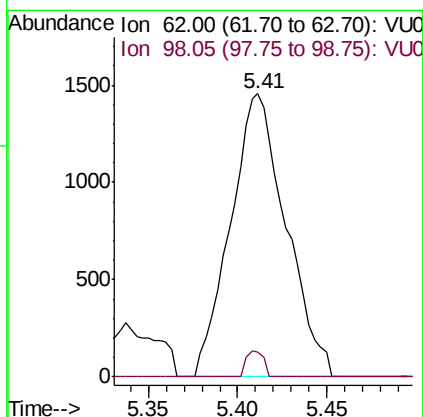
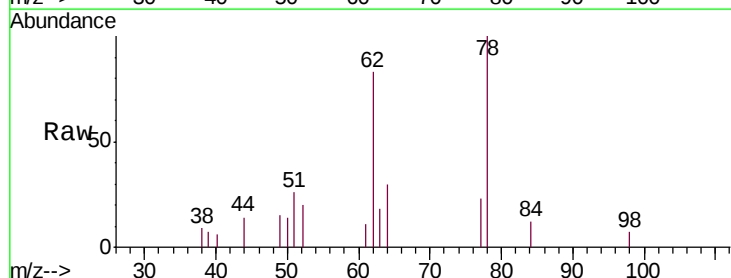
Instrument :
MSVOA_U
ClientSampleId :
MDL02

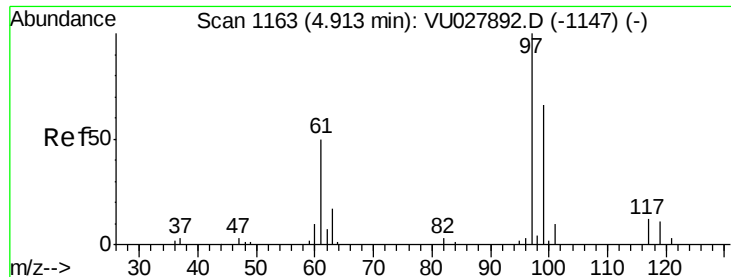
Tgt Ion: 83 Resp: 8585
Ion Ratio Lower Upper
83 100
85 64.1 44.0 81.8



#27
1,2-Dichloroethane
Concen: 0.390 ug/L
RT: 5.41 min Scan# 1318
Delta R.T. 0.00 min
Lab File: VU027895.D
Acq: 01 Nov 2018 11:13

Tgt Ion: 62 Resp: 3157
Ion Ratio Lower Upper
62 100
98 8.9 6.3 9.5

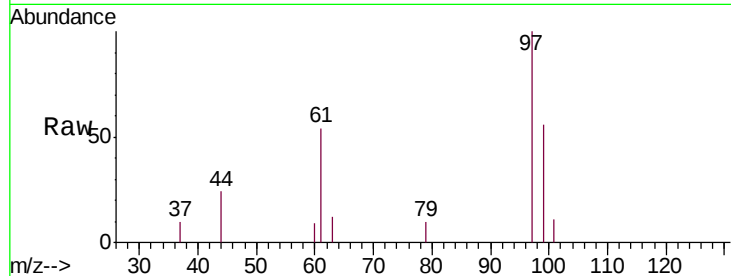




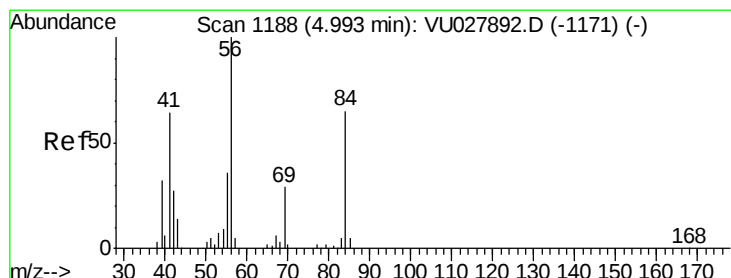
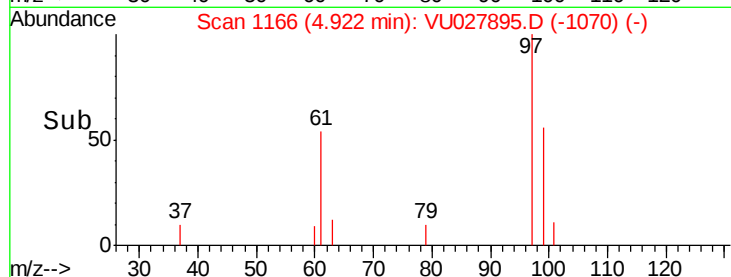
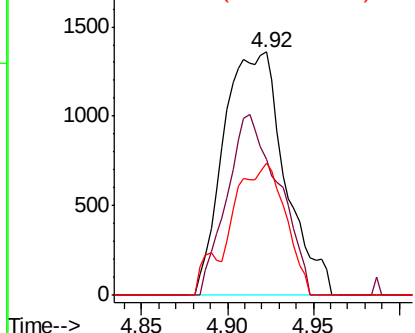
#29
 1,1,1-Trichloroethane
 Concen: 0.342 ug/L
 RT: 4.92 min Scan# 1166
 Delta R.T. 0.01 min
 Lab File: VU027895.D
 Acq: 01 Nov 2018 11:13

Instrument :
 MSVOA_U
 ClientSampleID :
 MDL02

Tgt Ion: 97 Resp: 3370
 Ion Ratio Lower Upper
 97 100
 99 62.9 50.6 76.0
 61 43.1 35.8 53.6

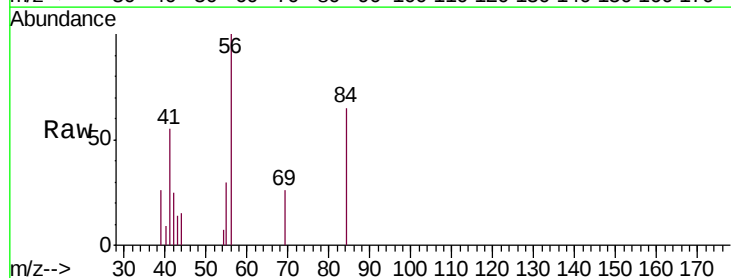


Abundance Ion 96.95 (96.65 to 97.65): VU0
 Ion 99.05 (98.75 to 99.75): VU0
 Ion 61.05 (60.75 to 61.75): VU0

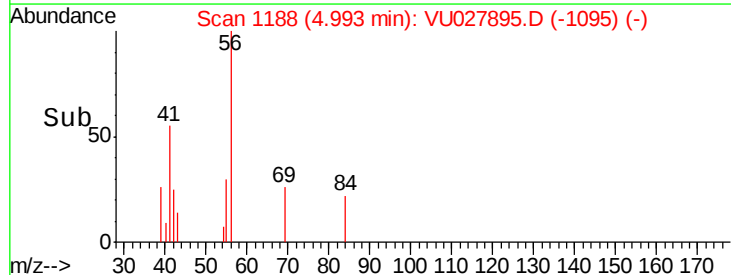
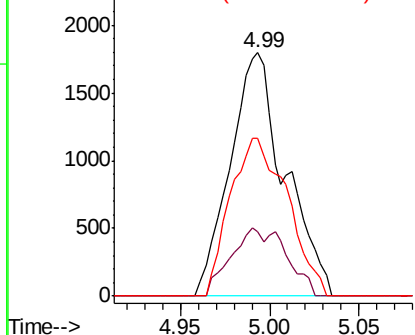


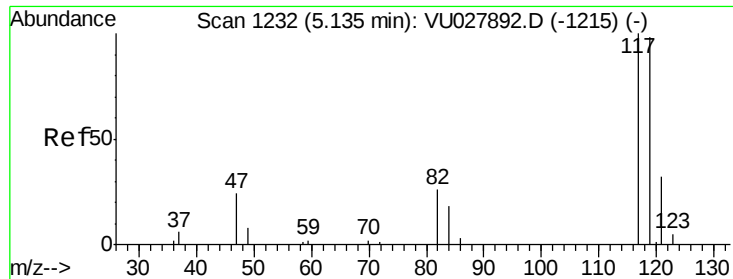
#30
 Cyclohexane
 Concen: 0.331 ug/L
 RT: 4.99 min Scan# 1188
 Delta R.T. -0.00 min
 Lab File: VU027895.D
 Acq: 01 Nov 2018 11:13

Tgt Ion: 56 Resp: 3829
 Ion Ratio Lower Upper
 56 100
 69 16.7 22.7 34.1#
 84 68.0 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

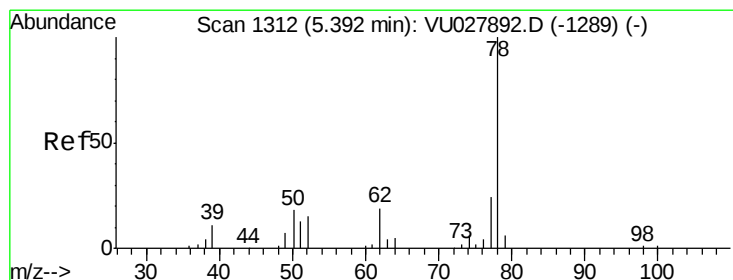
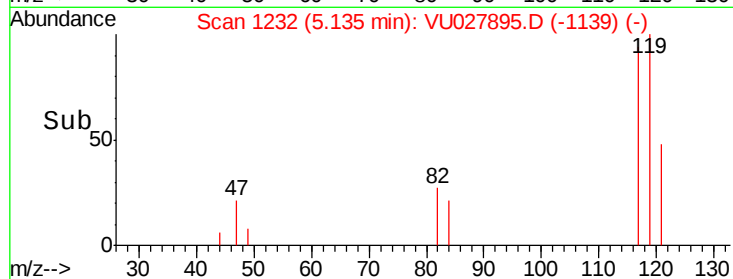
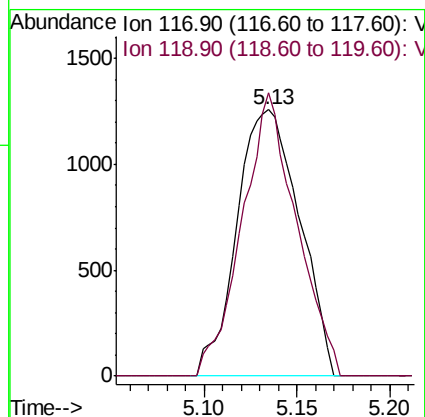
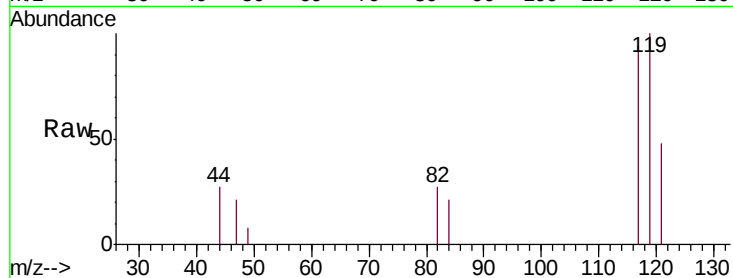




#31
Carbon tetrachloride
Concen: 0.349 ug/L
RT: 5.13 min Scan# 1232
Delta R.T. -0.00 min
Lab File: VU027895.D
Acq: 01 Nov 2018 11:13

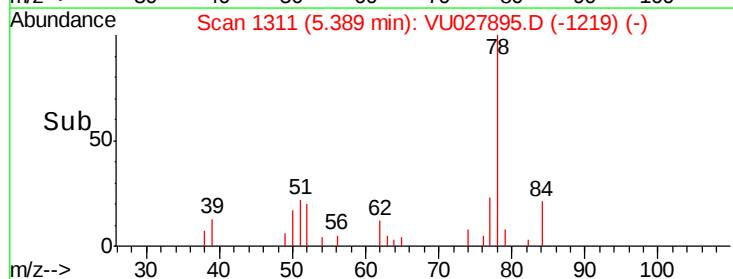
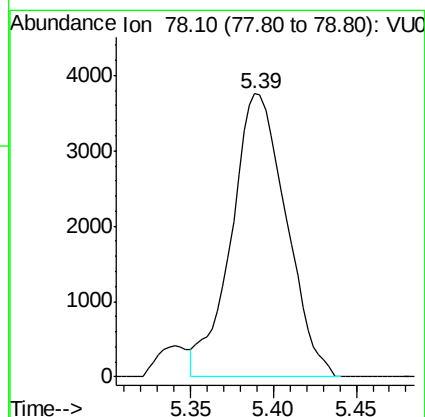
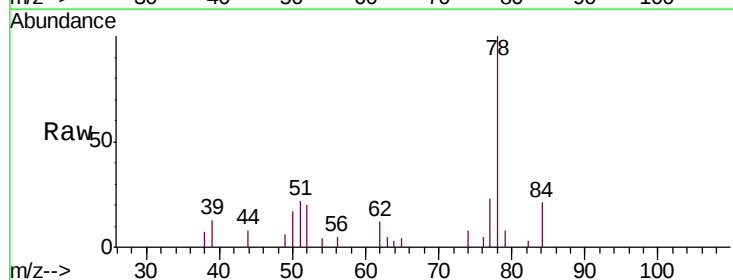
Instrument :
MSVOA_U
ClientSampleId :
MDL02

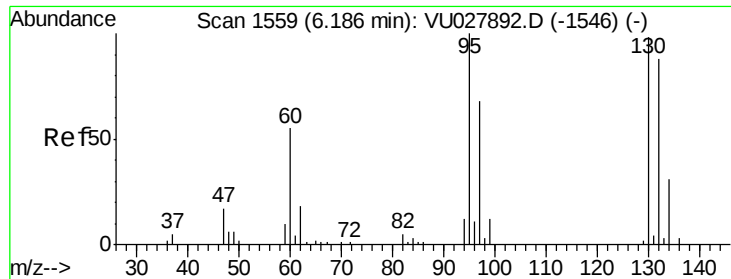
Tgt Ion: 117 Resp: 2949
Ion Ratio Lower Upper
117 100
119 92.3 77.1 115.7



#33
Benzene
Concen: 0.357 ug/L
RT: 5.39 min Scan# 1311
Delta R.T. -0.00 min
Lab File: VU027895.D
Acq: 01 Nov 2018 11:13

Tgt Ion: 78 Resp: 8617

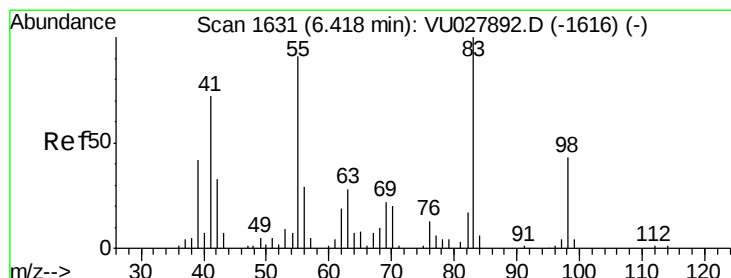
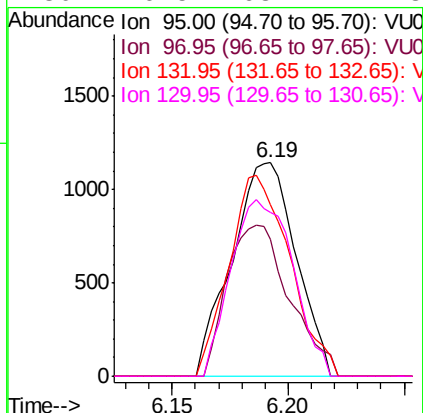
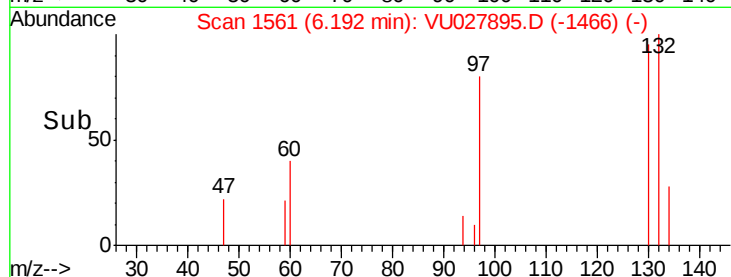
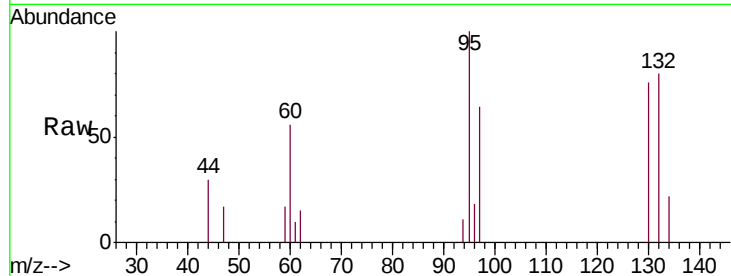




#34
 Trichloroethene
 Concen: 0.349 ug/L
 RT: 6.19 min Scan# 1561
 Delta R.T. 0.01 min
 Lab File: VU027895.D
 Acq: 01 Nov 2018 11:13

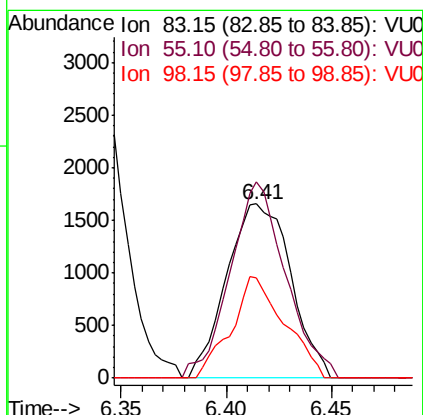
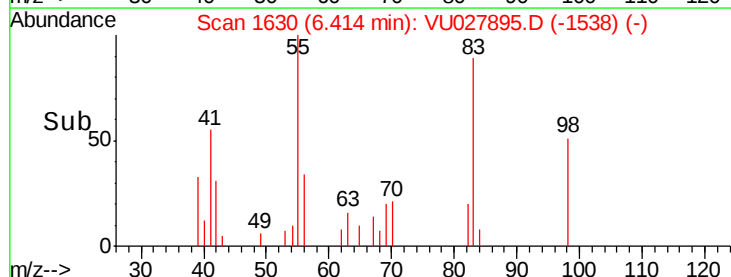
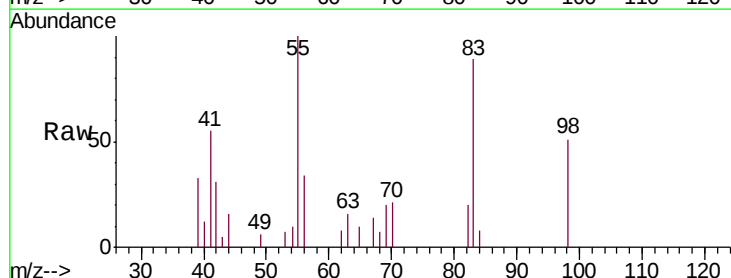
Instrument :
 MSVOA_U
 ClientSampleId :
 MDL02

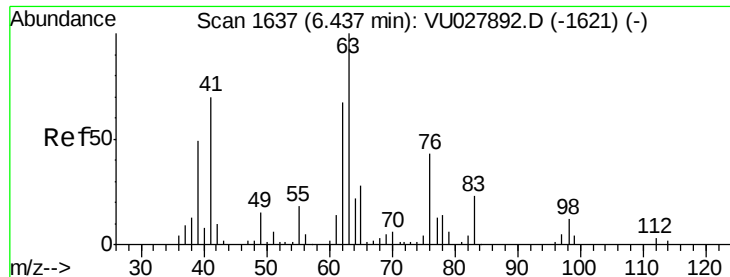
Tgt Ion: 95 Resp: 2197
 Ion Ratio Lower Upper
 95 100
 97 63.9 44.0 81.6
 132 80.2 63.3 117.5
 130 76.5 63.1 117.3



#35
 Methylcyclohexane
 Concen: 0.328 ug/L
 RT: 6.41 min Scan# 1630
 Delta R.T. -0.00 min
 Lab File: VU027895.D
 Acq: 01 Nov 2018 11:13

Tgt Ion: 83 Resp: 3507
 Ion Ratio Lower Upper
 83 100
 55 97.2 73.4 110.0
 98 48.2 35.3 52.9





#37

1,2-Dichloropropane

Concen: 0.336 ug/L

RT: 6.43 min Scan# 1636

Delta R.T. -0.00 min

Lab File: VU027895.D

Acq: 01 Nov 2018 11:13

Instrument :

MSVOA_U

ClientSampleId :

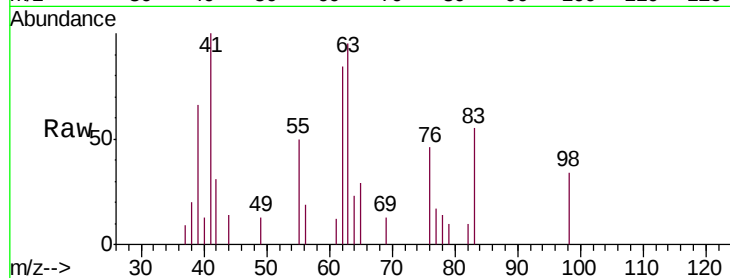
MDL02

Tgt Ion: 63 Resp: 2310

Ion Ratio Lower Upper

63 100

112 0.0 2.6 3.8#



Abundance Ion 63.10 (62.80 to 63.80): VU027892.D (-1621) (-)

Ion 112.10 (111.80 to 112.80): VU027892.D (-1621) (-)

6.43

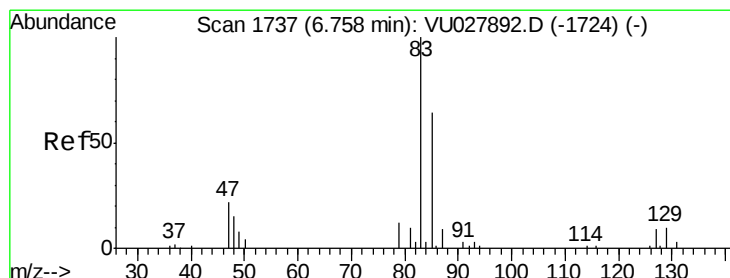
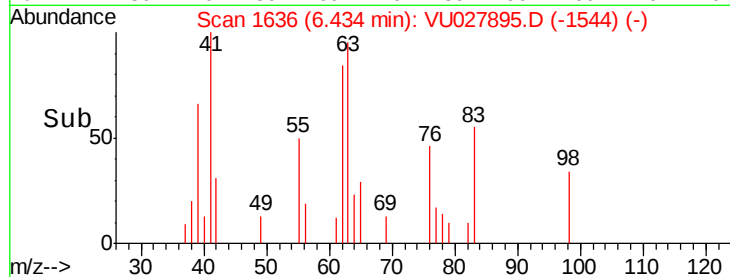
1000

500

0

6.40 6.45 6.50

Time-->



#38

Bromodichloromethane

Concen: 0.316 ug/L

RT: 6.76 min Scan# 1736

Delta R.T. -0.00 min

Lab File: VU027895.D

Acq: 01 Nov 2018 11:13

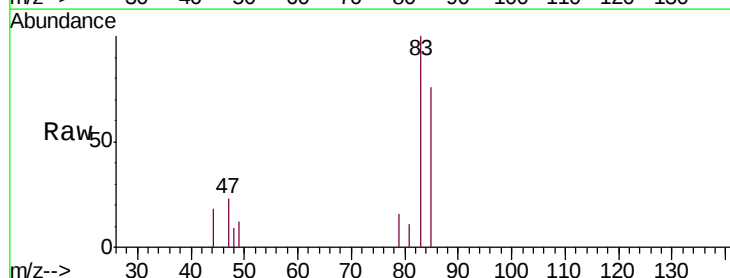
Tgt Ion: 83 Resp: 2546

Ion Ratio Lower Upper

83 100

85 75.5 43.8 81.4

127 0.0 6.4 9.6#



Abundance Ion 82.95 (82.65 to 83.65): VU027892.D (-1724) (-)

Ion 85.00 (84.70 to 85.70): VU027892.D (-1724) (-)

Ion 126.90 (126.60 to 127.60): VU027892.D (-1724) (-)

1500

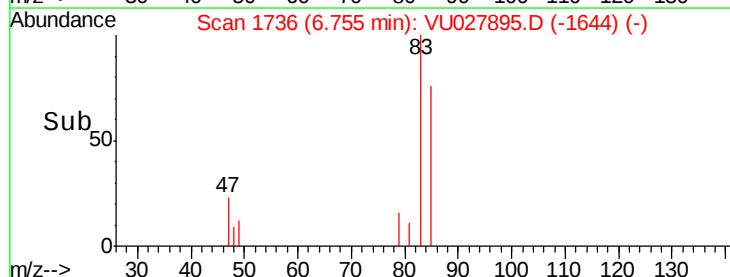
1000

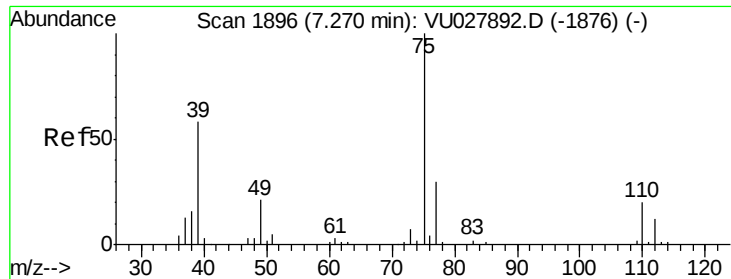
500

0

6.70 6.75 6.80

Time-->

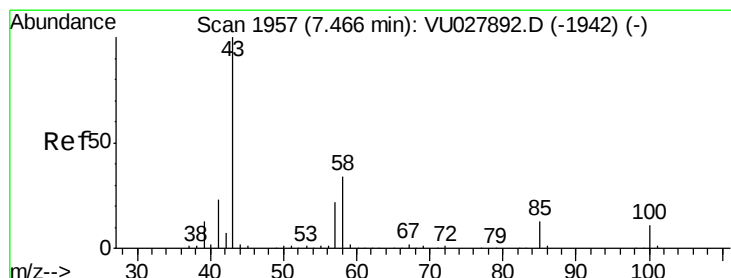
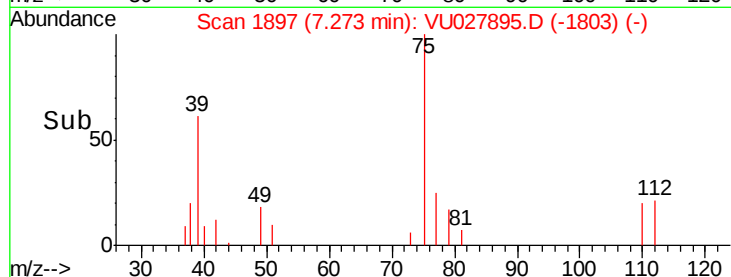
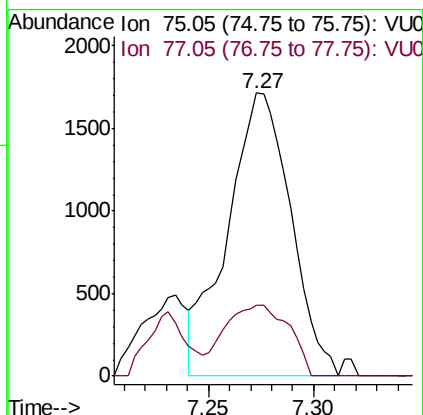
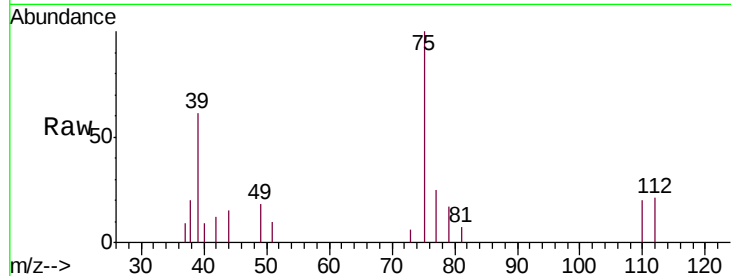




#39
 cis-1,3-Dichloropropene
 Concen: 0.363 ug/L
 RT: 7.27 min Scan# 1897
 Delta R.T. 0.00 min
 Lab File: VU027895.D
 Acq: 01 Nov 2018 11:13

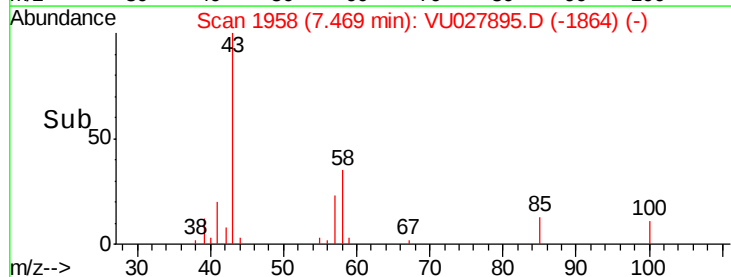
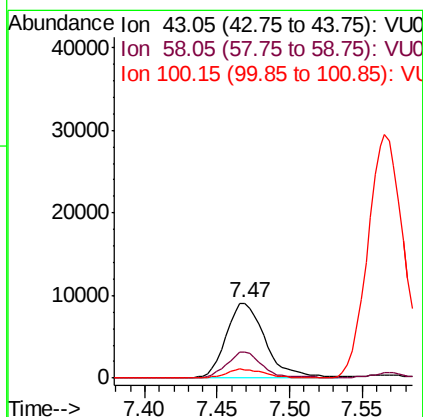
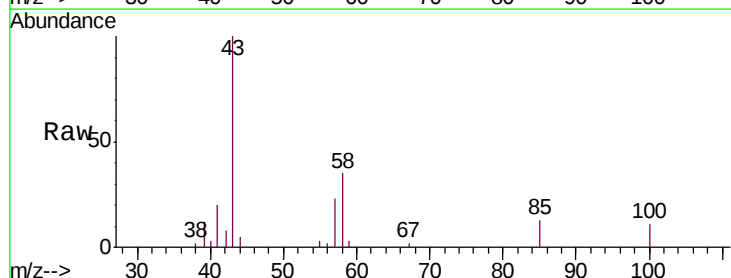
Instrument :
 MSVOA_U
 ClientSampleId :
 MDL02

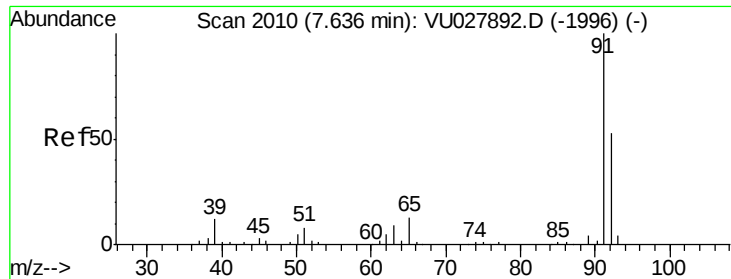
Tgt Ion: 75 Resp: 3584
 Ion Ratio Lower Upper
 75 100
 77 25.2 22.2 41.2



#40
 4-Methyl-2-pentanone
 Concen: 3.504 ug/L
 RT: 7.47 min Scan# 1958
 Delta R.T. 0.00 min
 Lab File: VU027895.D
 Acq: 01 Nov 2018 11:13

Tgt Ion: 43 Resp: 17039
 Ion Ratio Lower Upper
 43 100
 58 30.6 28.5 42.7
 100 11.2 8.8 13.2





#42

Toluene

Concen: 0.348 ug/L

RT: 7.64 min Scan# 2011

Delta R.T. 0.00 min

Lab File: VU027895.D

Acq: 01 Nov 2018 11:13

Instrument :

MSVOA_U

ClientSampleId :

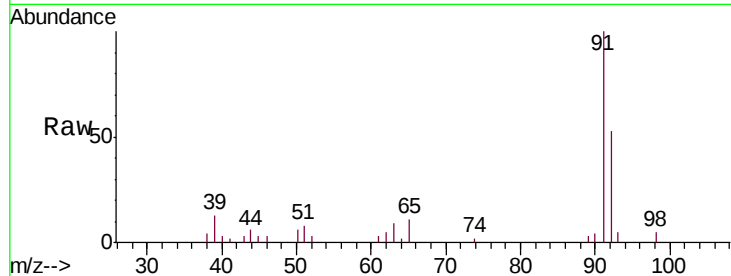
MDL02

Tgt Ion: 91 Resp: 8808

Ion Ratio Lower Upper

91 100

92 53.2 40.3 74.9



Abundance Ion 91.15 (90.85 to 91.85): VU027892.D (-1996) (-)

Ion 92.15 (91.85 to 92.85): VU027892.D (-1996) (-)

7.64

5000

4000

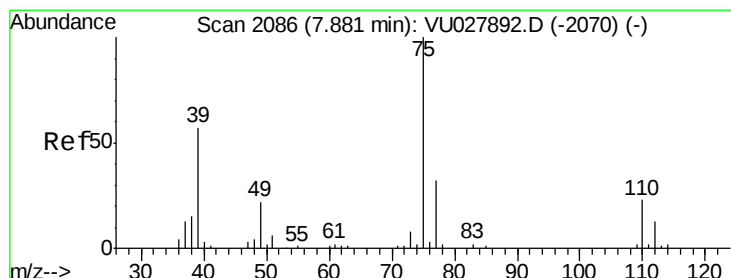
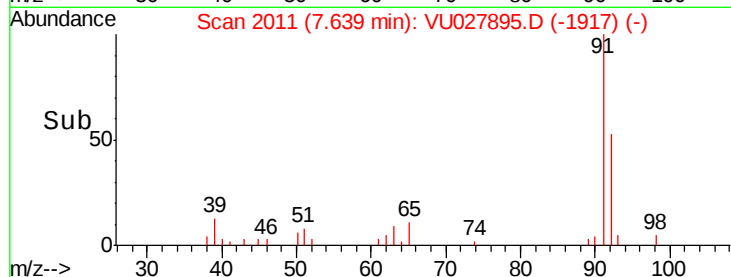
3000

2000

1000

0

Time-->



#44

trans-1,3-Dichloropropene

Concen: 0.364 ug/L

RT: 7.88 min Scan# 2087

Delta R.T. 0.00 min

Lab File: VU027895.D

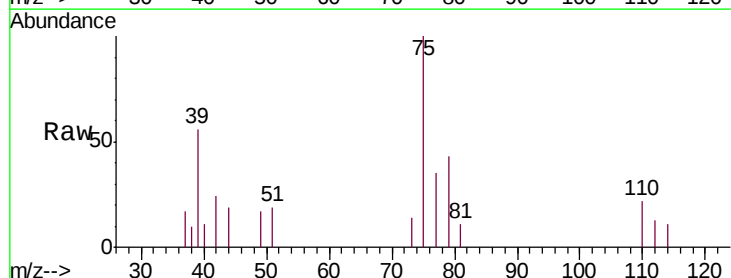
Acq: 01 Nov 2018 11:13

Tgt Ion: 75 Resp: 3081

Ion Ratio Lower Upper

75 100

77 35.2 20.5 38.1



Abundance Ion 75.05 (74.75 to 75.75): VU027892.D (-2070) (-)

Ion 77.05 (76.75 to 77.75): VU027892.D (-2070) (-)

7.88

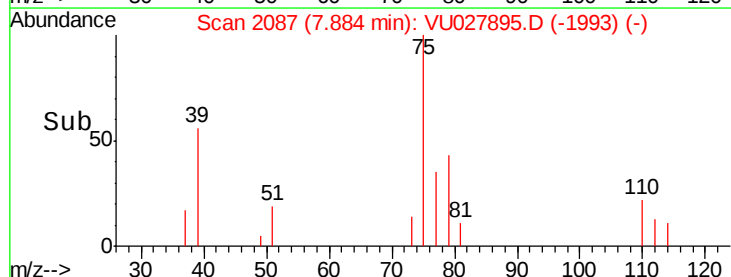
1500

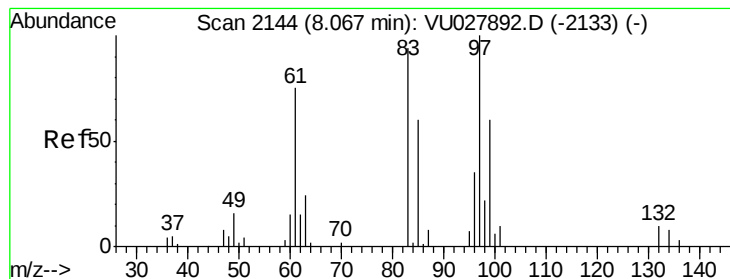
1000

500

0

Time-->





#45

1,1,2-Trichloroethane

Concen: 0.312 ug/L

RT: 8.07 min Scan# 2144

Delta R.T. -0.00 min

Lab File: VU027895.D

Acq: 01 Nov 2018 11:13

Instrument :

MSVOA_U

ClientSampled :

MDL02

Tgt Ion: 97 Resp: 1322

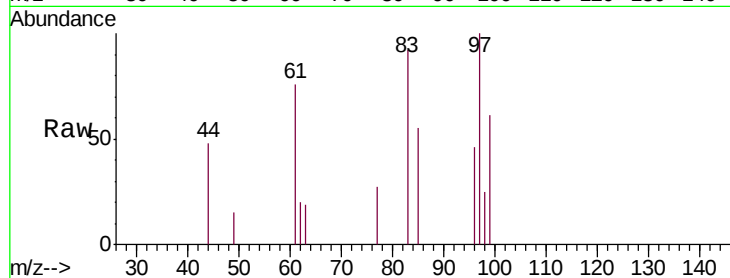
Ion Ratio Lower Upper

97 100

99 61.4 42.9 79.7

83 92.2 62.2 115.6

85 54.6 40.2 74.6

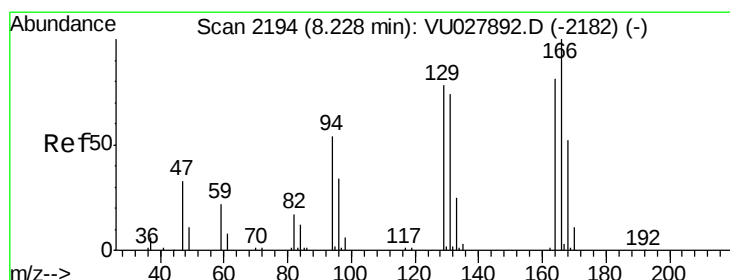
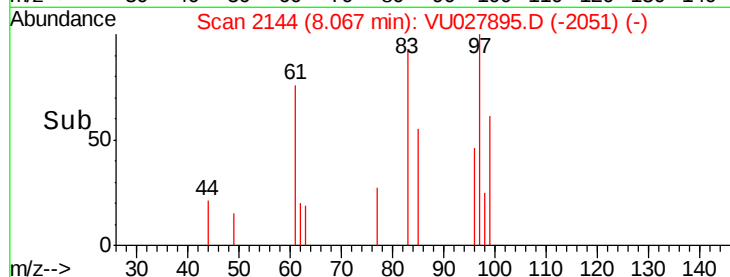
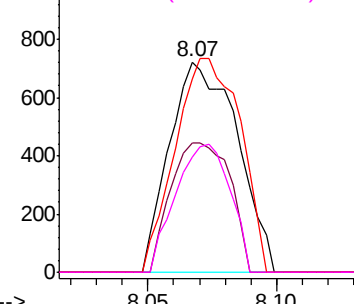


Abundance Ion 96.95 (96.65 to 97.65): VU0

Ion 99.05 (98.75 to 99.75): VU0

Ion 82.95 (82.65 to 83.65): VU0

Ion 85.00 (84.70 to 85.70): VU0



#47

Tetrachloroethene

Concen: 0.359 ug/L

RT: 8.23 min Scan# 2195

Delta R.T. 0.00 min

Lab File: VU027895.D

Acq: 01 Nov 2018 11:13

Tgt Ion:164 Resp: 1736

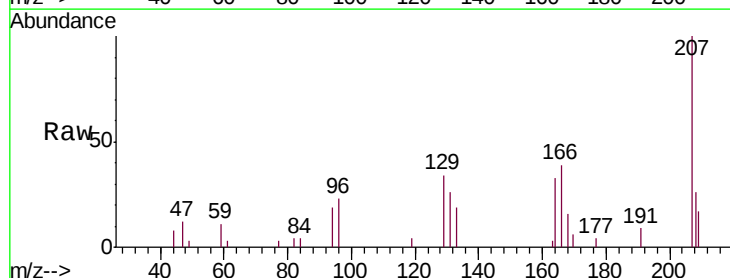
Ion Ratio Lower Upper

164 100

129 104.1 64.9 120.5

131 78.5 64.3 119.5

166 116.8 91.8 170.4

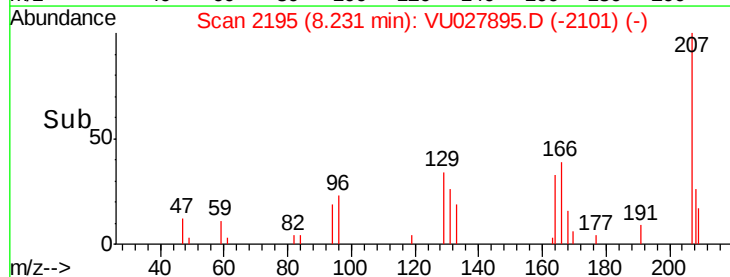
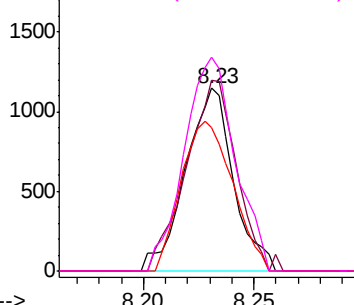


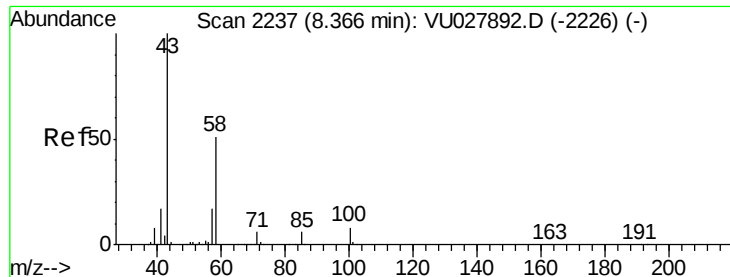
Abundance Ion 163.90 (163.60 to 164.60): V

Ion 128.95 (128.65 to 129.65): V

Ion 130.95 (130.65 to 131.65): V

Ion 165.90 (165.60 to 166.60): V

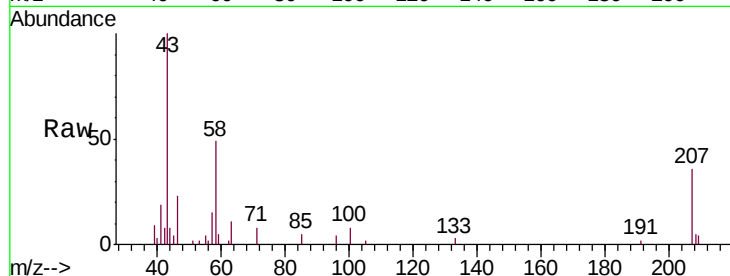




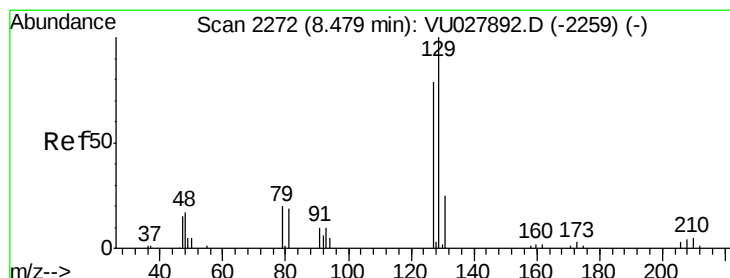
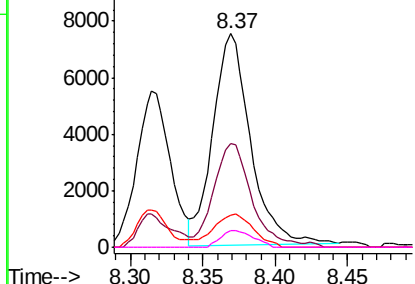
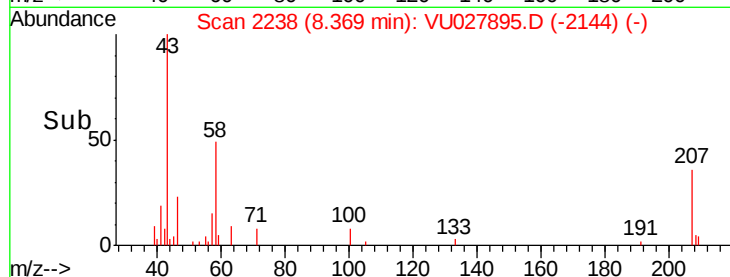
#48
2-Hexanone
Concen: 3.844 ug/L
RT: 8.37 min Scan# 2238
Delta R.T. 0.00 min
Lab File: VU027895.D
Acq: 01 Nov 2018 11:13

Instrument :
MSVOA_U
ClientSampleId :
MDL02

Tgt Ion:	43	Resp:	13475
Ion	Ratio	Lower	Upper
43	100		
58	50.2	38.9	58.3
57	16.5	13.3	19.9
100	6.8	6.6	10.0

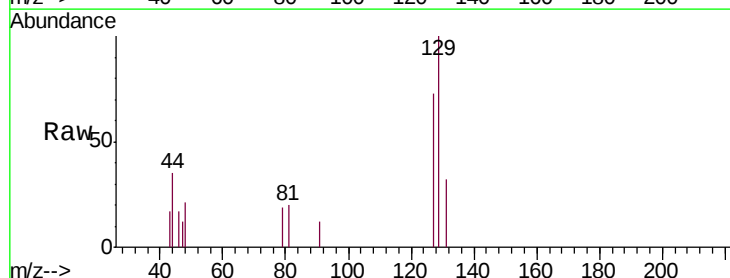


Abundance Ion 43.05 (42.75 to 43.75): VU027895.D (-2144) (-)
Ion 58.05 (57.75 to 58.75): VU027895.D (-2144) (-)
Ion 57.20 (56.90 to 57.90): VU027895.D (-2144) (-)
Ion 100.15 (99.85 to 100.85): VU027895.D (-2144) (-)

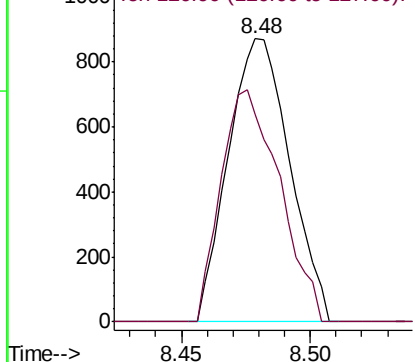
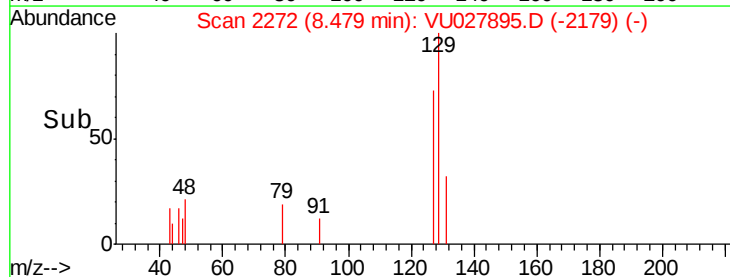


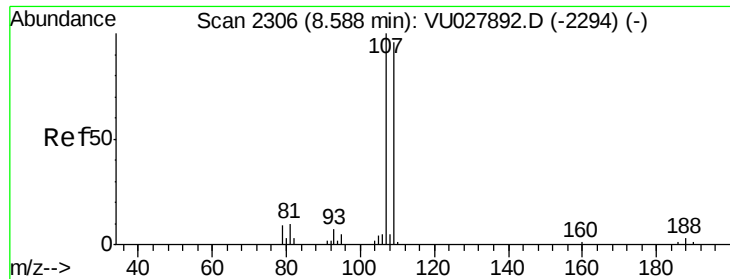
#49
Dibromochloromethane
Concen: 0.282 ug/L
RT: 8.48 min Scan# 2272
Delta R.T. -0.00 min
Lab File: VU027895.D
Acq: 01 Nov 2018 11:13

Tgt Ion:	129	Resp:	1444
Ion	Ratio	Lower	Upper
129	100		
127	73.5	54.5	101.1



Abundance Ion 128.95 (128.65 to 129.65): VU027895.D (-2179) (-)
Ion 126.90 (126.60 to 127.60): VU027895.D (-2179) (-)

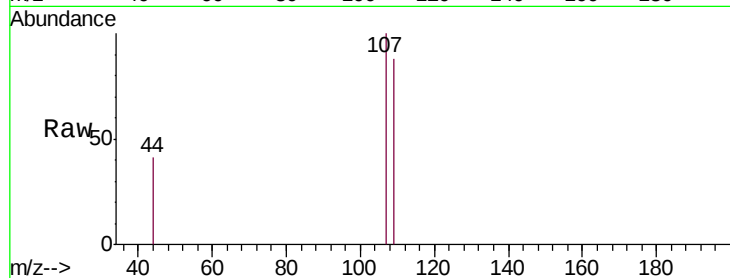




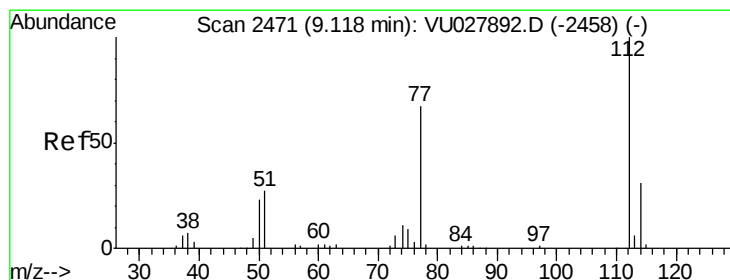
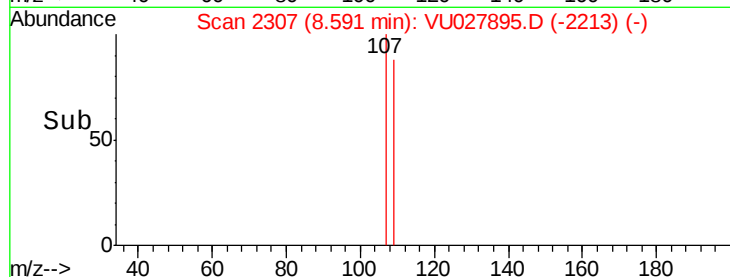
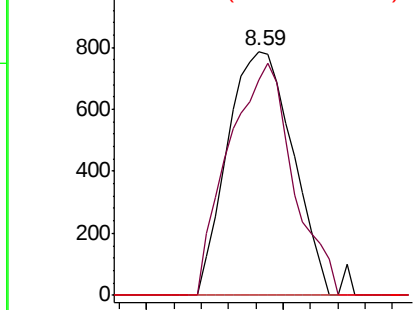
#50
 1,2-Dibromoethane
 Concen: 0.322 ug/L
 RT: 8.59 min Scan# 2307
 Delta R.T. 0.00 min
 Lab File: VU027895.D
 Acq: 01 Nov 2018 11:13

Instrument :
 MSVOA_U
 ClientSampled :
 MDL02

Tgt Ion:107 Resp: 1305
 Ion Ratio Lower Upper
 107 100
 109 88.4 68.0 126.4
 188 0.0 2.7 4.1#

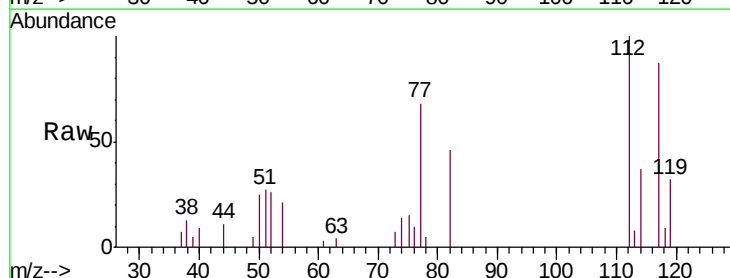


Abundance Ion 106.95 (106.65 to 107.65): V
 Ion 109.00 (108.70 to 109.70): V
 Ion 187.90 (187.60 to 188.60): V

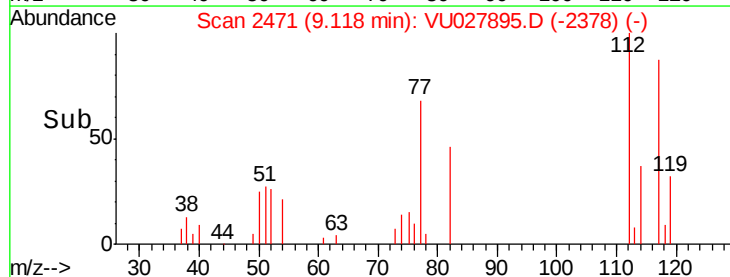
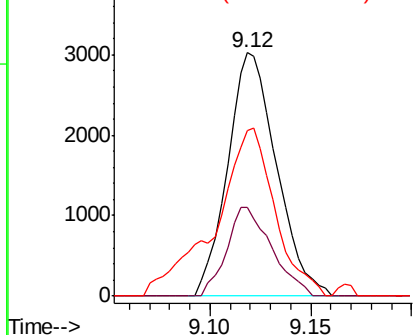


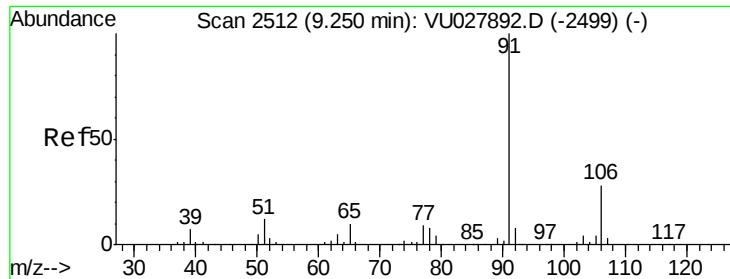
#51
 Chlorobenzene
 Concen: 0.326 ug/L
 RT: 9.12 min Scan# 2471
 Delta R.T. -0.00 min
 Lab File: VU027895.D
 Acq: 01 Nov 2018 11:13

Tgt Ion:112 Resp: 5113
 Ion Ratio Lower Upper
 112 100
 114 36.7 22.0 41.0
 77 68.2 54.3 81.5



Abundance Ion 112.10 (111.80 to 112.80): V
 Ion 114.05 (113.75 to 114.75): V
 Ion 77.10 (76.80 to 77.80): V





#52

Ethylbenzene

Concen: 0.343 ug/L

RT: 9.25 min Scan# 2513

Delta R.T. 0.00 min

Lab File: VU027895.D

Acq: 01 Nov 2018 11:13

Instrument :

MSVOA_U

ClientSampled :

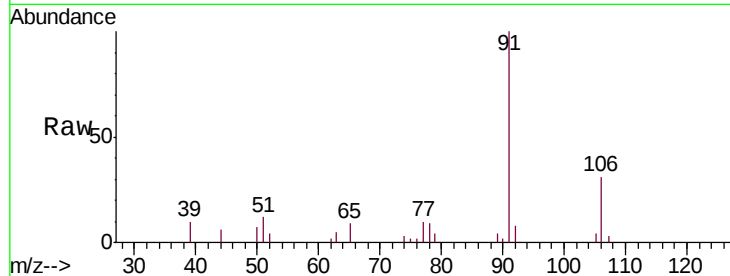
MDL02

Tgt Ion: 91 Resp: 9883

Ion Ratio Lower Upper

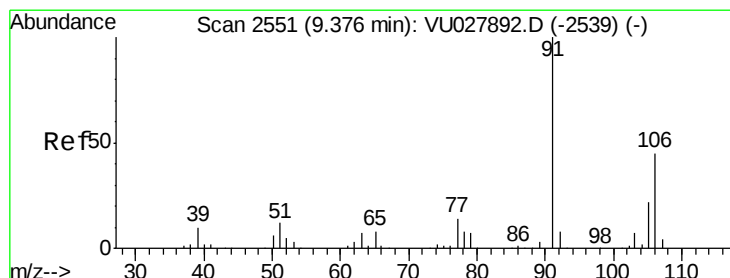
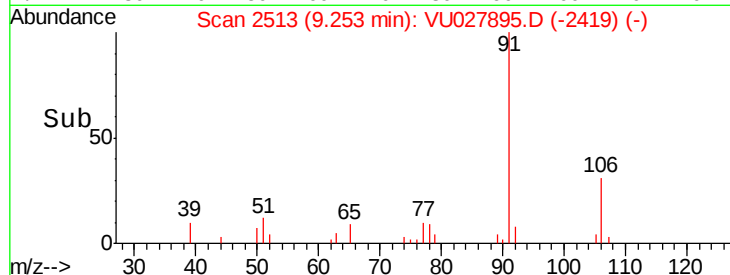
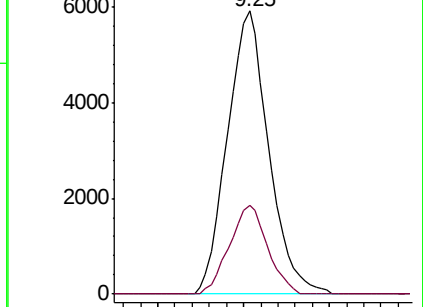
91 100

106 31.4 21.5 39.9



Abundance Ion 91.15 (90.85 to 91.85): VU027892.D (-2499) (-)

Ion 106.15 (105.85 to 106.85): VU027892.D (-2499) (-)



#53

m,p-xylene

Concen: 0.330 ug/L

RT: 9.38 min Scan# 2551

Delta R.T. -0.00 min

Lab File: VU027895.D

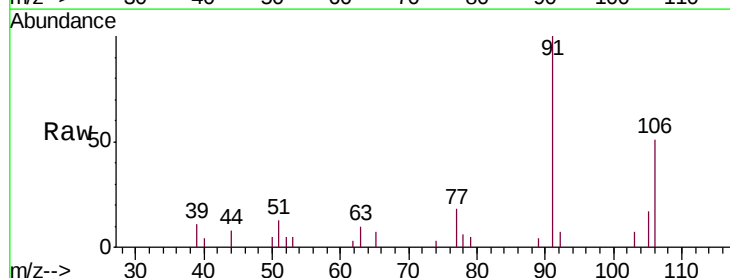
Acq: 01 Nov 2018 11:13

Tgt Ion: 106 Resp: 3451

Ion Ratio Lower Upper

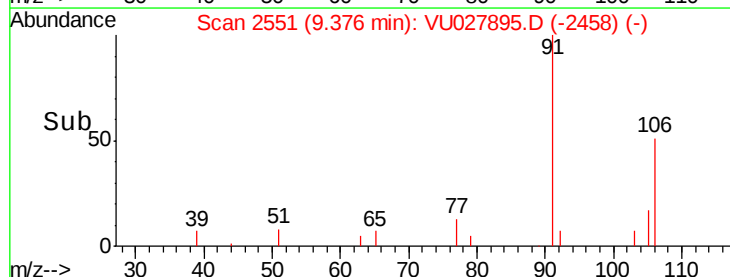
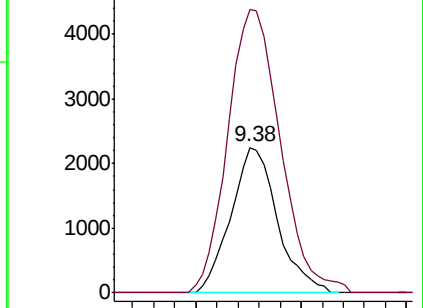
106 100

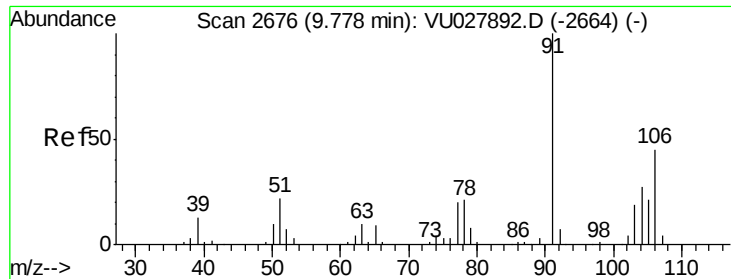
91 194.7 148.7 276.1



Abundance Ion 106.15 (105.85 to 106.85): VU027892.D (-2539) (-)

Ion 91.15 (90.85 to 91.85): VU027892.D (-2539) (-)





#54

o-xylene

Concen: 0.329 ug/L

RT: 9.78 min Scan# 2678

Delta R.T. 0.01 min

Lab File: VU027895.D

Acq: 01 Nov 2018 11:13

Instrument :

MSVOA_U

ClientSampleId :

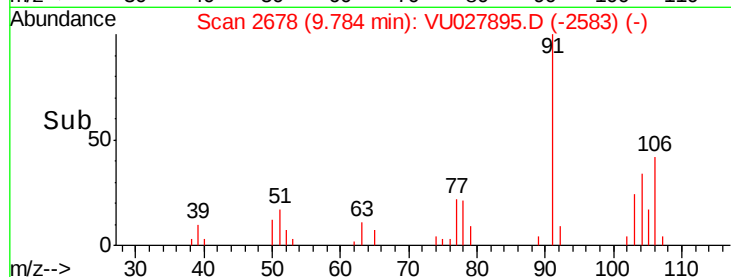
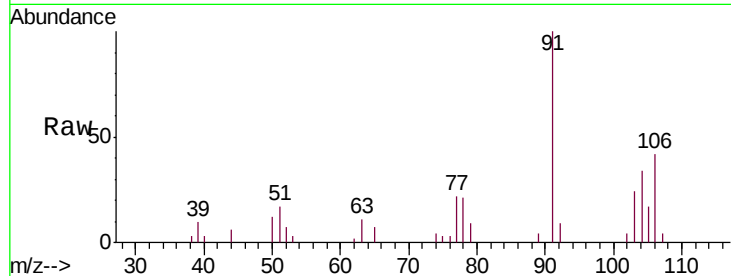
MDL02

Tgt Ion:106 Resp: 3374

Ion Ratio Lower Upper

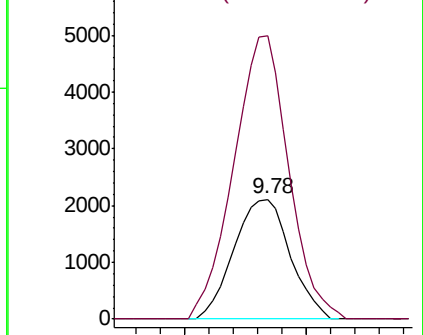
106 100

91 236.4 158.3 293.9

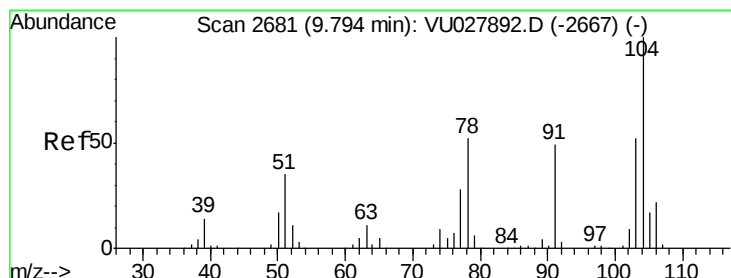


Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VU0



Time-->



#55

Styrene

Concen: 0.327 ug/L

RT: 9.80 min Scan# 2682

Delta R.T. 0.00 min

Lab File: VU027895.D

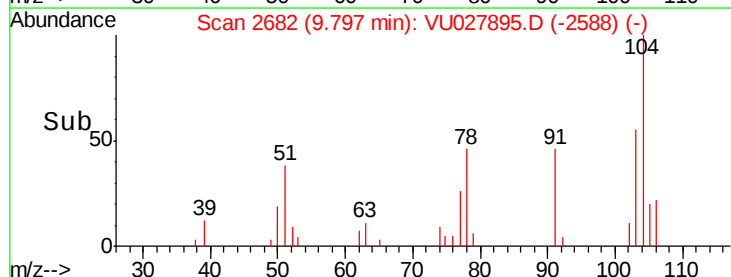
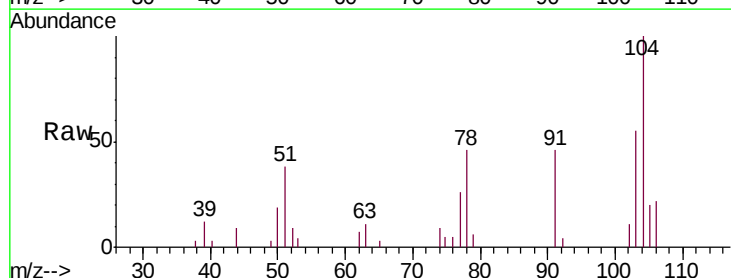
Acq: 01 Nov 2018 11:13

Tgt Ion:104 Resp: 5630

Ion Ratio Lower Upper

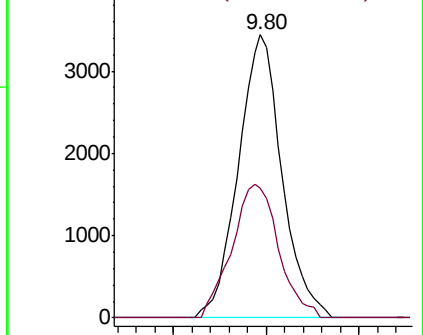
104 100

78 45.9 35.6 66.0

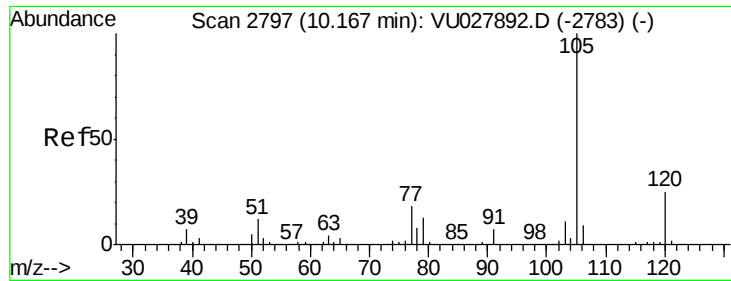


Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VU0



Time-->



#56

Isopropylbenzene

Concen: 0.323 ug/L

RT: 10.17 min Scan# 2797

Delta R.T. -0.00 min

Lab File: VU027895.D

Acq: 01 Nov 2018 11:13

Instrument :

MSVOA_U

ClientSampleId :

MDL02

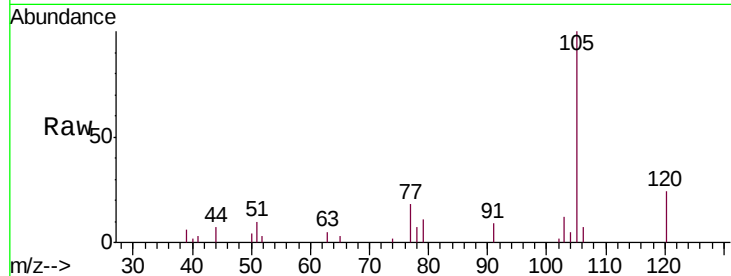
Tgt Ion: 105 Resp: 9038

Ion Ratio Lower Upper

105 100

120 23.8 20.2 30.2

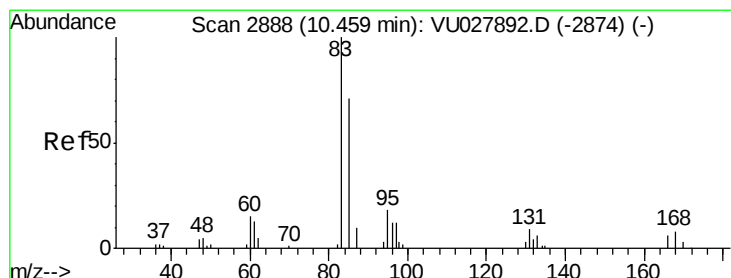
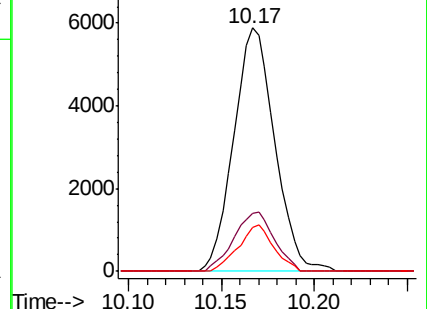
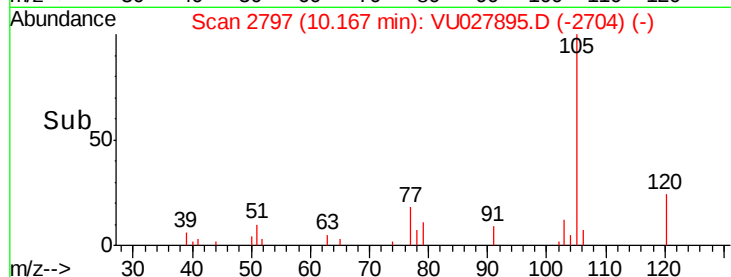
77 16.4 13.4 20.2



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: 0.343 ug/L

RT: 10.46 min Scan# 2887

Delta R.T. -0.00 min

Lab File: VU027895.D

Acq: 01 Nov 2018 11:13

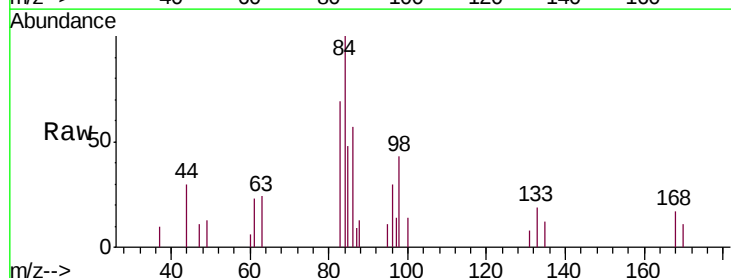
Tgt Ion: 83 Resp: 1894

Ion Ratio Lower Upper

83 100

85 69.4 44.4 82.4

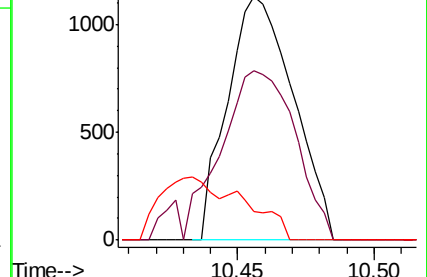
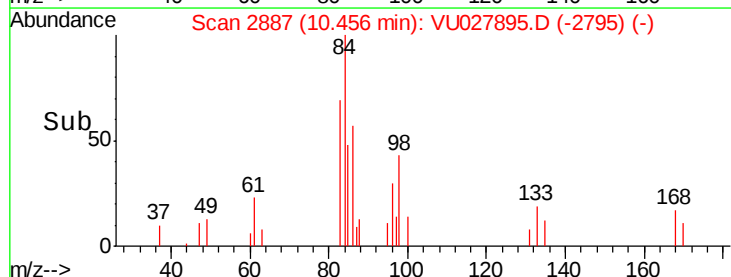
131 11.7 6.8 10.2#

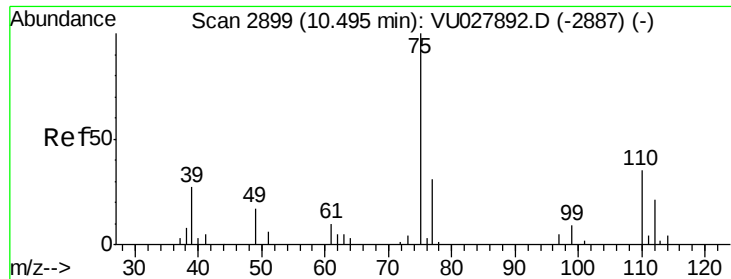


Abundance Ion 82.95 (82.65 to 83.65): V

Ion 85.00 (84.70 to 85.70): V

Ion 130.95 (130.65 to 131.65): V





#59

1,2,3-Trichloropropane

Concen: 0.319 ug/L

RT: 10.49 min Scan# 2899

Delta R.T. -0.00 min

Lab File: VU027895.D

Acq: 01 Nov 2018 11:13

Instrument :

MSVOA_U

ClientSampleId :

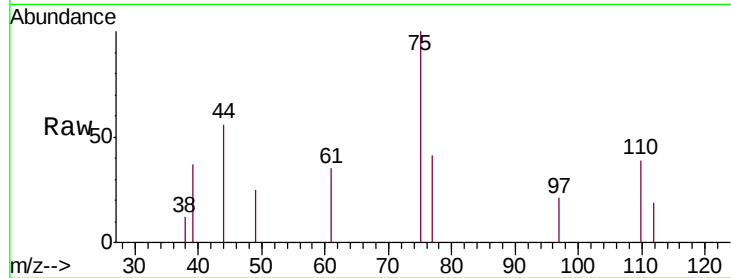
MDL02

Tgt Ion: 75 Resp: 1330

Ion Ratio Lower Upper

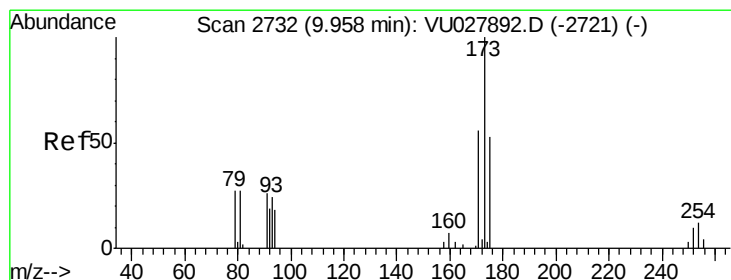
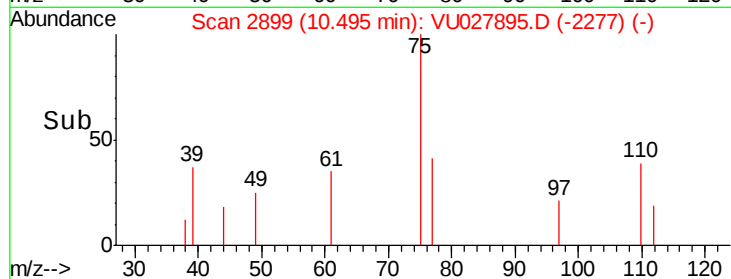
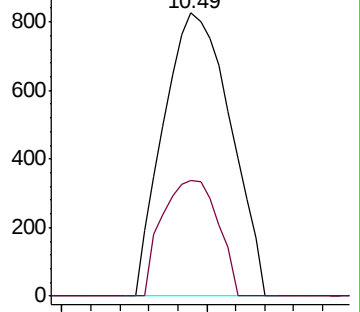
75 100

77 33.9 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: 0.339 ug/L

RT: 9.96 min Scan# 2733

Delta R.T. 0.00 min

Lab File: VU027895.D

Acq: 01 Nov 2018 11:13

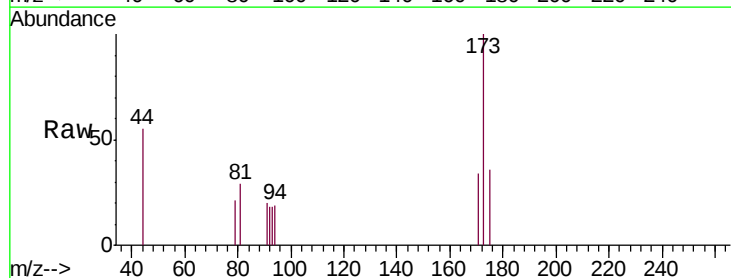
Tgt Ion: 173 Resp: 925

Ion Ratio Lower Upper

173 100

175 35.8 38.3 57.5#

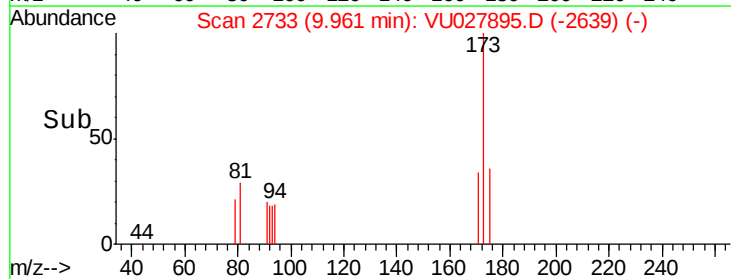
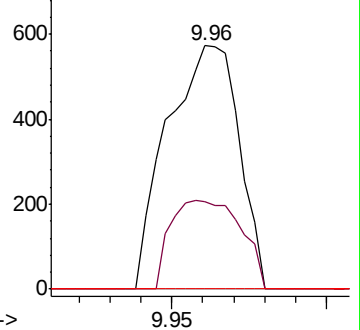
254 0.0 7.8 11.6#

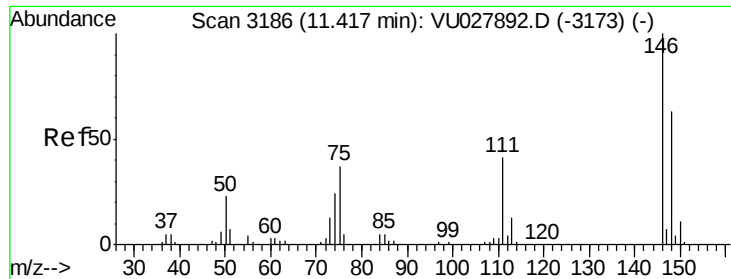


Abundance Ion 172.90 (172.60 to 173.60): V

Ion 174.90 (174.60 to 175.60): V

Ion 253.75 (253.45 to 254.45): V

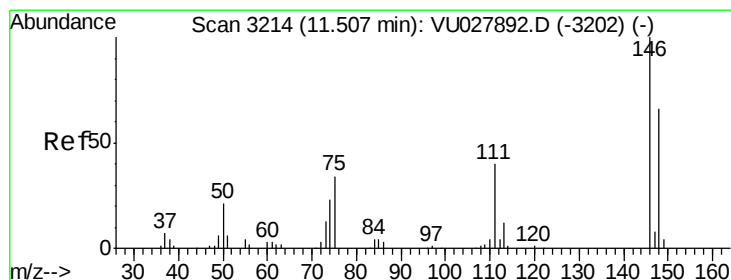
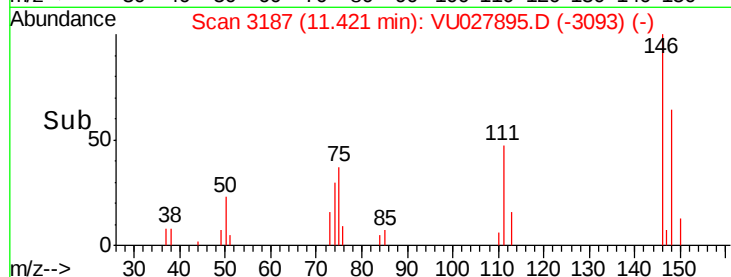
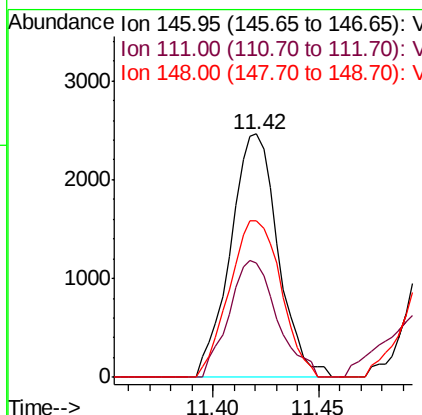
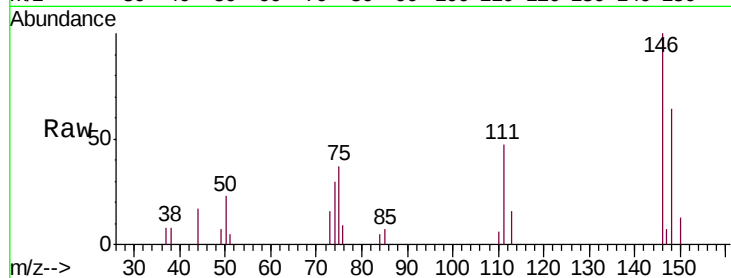




#62
 1,3-Dichlorobenzene
 Concen: 0.324 ug/L
 RT: 11.42 min Scan# 3187
 Delta R.T. 0.00 min
 Lab File: VU027895.D
 Acq: 01 Nov 2018 11:13

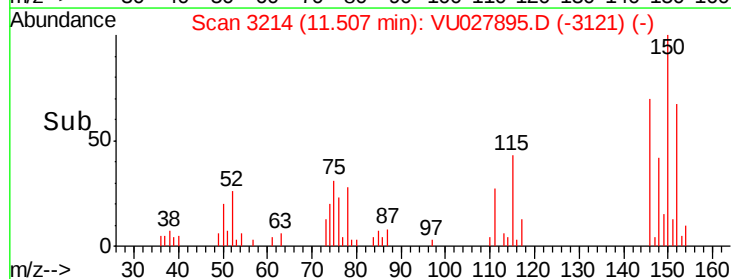
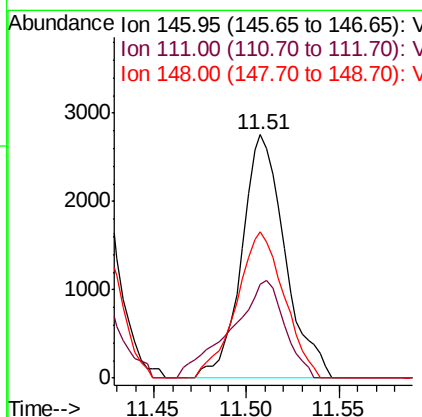
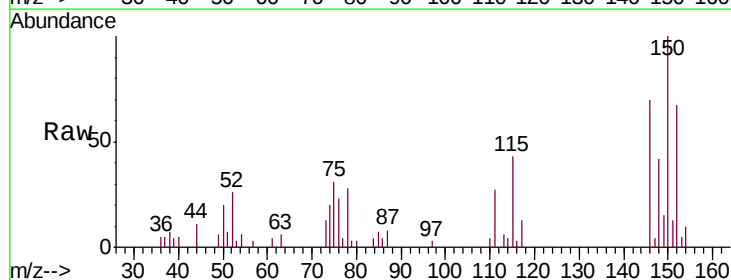
Instrument :
 MSVOA_U
 ClientSampleId :
 MDL02

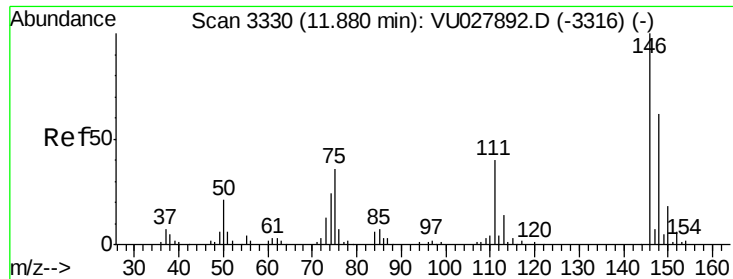
Tgt Ion:146 Resp: 3866
 Ion Ratio Lower Upper
 146 100
 111 46.9 27.4 51.0
 148 64.2 42.6 79.0



#63
 1,4-Dichlorobenzene
 Concen: 0.374 ug/L
 RT: 11.51 min Scan# 3214
 Delta R.T. -0.00 min
 Lab File: VU027895.D
 Acq: 01 Nov 2018 11:13

Tgt Ion:146 Resp: 4461
 Ion Ratio Lower Upper
 146 100
 111 38.6 27.4 51.0
 148 60.1 43.1 80.1





#65

1,2-Dichlorobenzene

Concen: 0.351 ug/L

RT: 11.88 min Scan# 3329

Delta R.T. -0.00 min

Lab File: VU027895.D

Acq: 01 Nov 2018 11:13

Instrument :

MSVOA_U

ClientSampleId :

MDL02

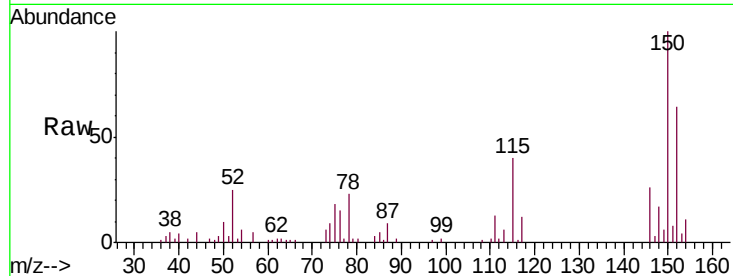
Tgt Ion:146 Resp: 3952

Ion Ratio Lower Upper

146 100

111 49.0 33.0 49.4

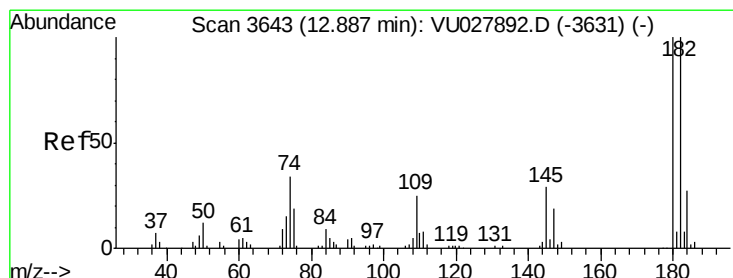
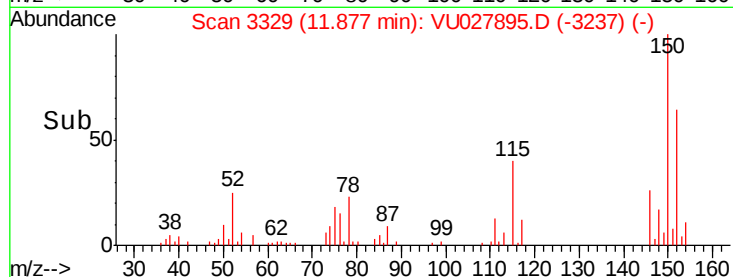
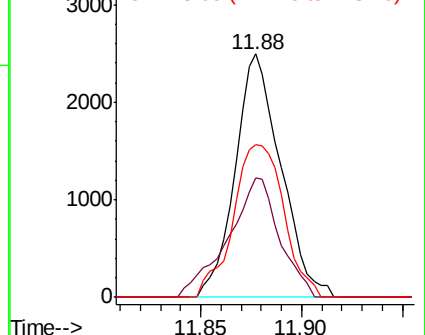
148 63.0 49.2 73.8



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: 0.303 ug/L

RT: 12.89 min Scan# 3645

Delta R.T. 0.01 min

Lab File: VU027895.D

Acq: 01 Nov 2018 11:13

Tgt Ion:180 Resp: 2902

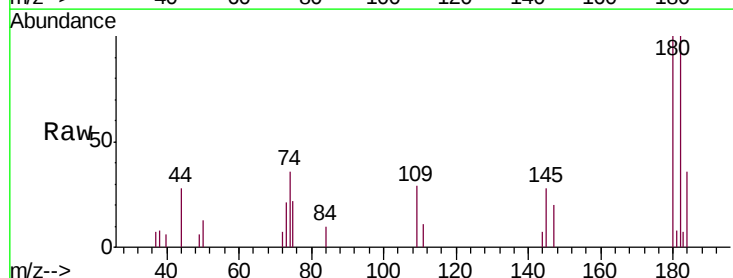
Ion Ratio Lower Upper

180 100

182 103.5 77.3 115.9

184 30.8 24.6 37.0

145 30.3 23.0 34.6

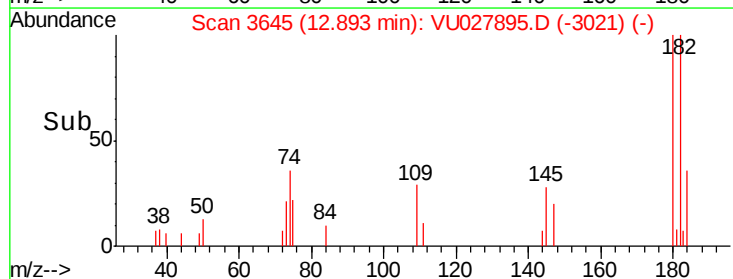
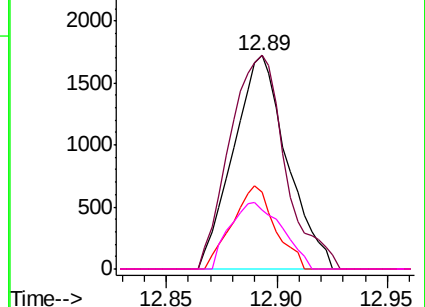


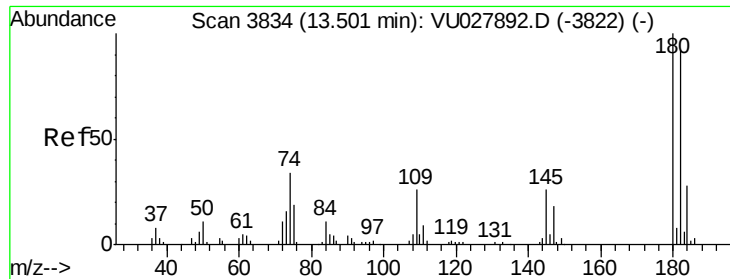
Abundance Ion 180.00 (179.70 to 180.70): V

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

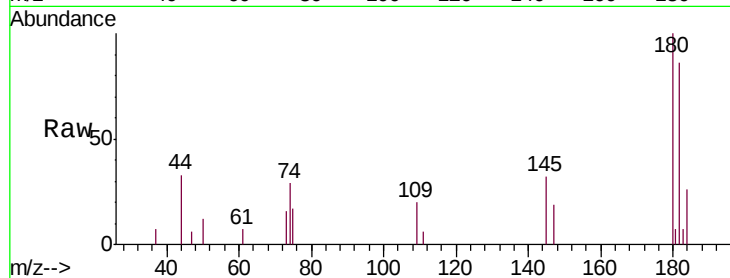




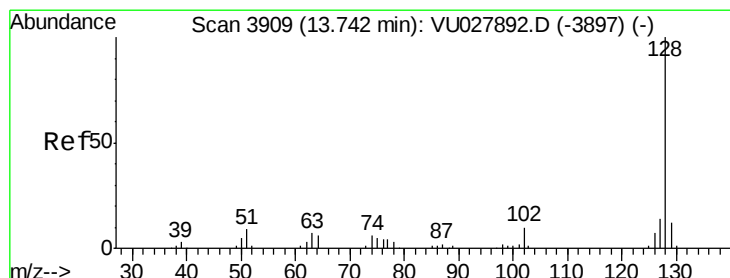
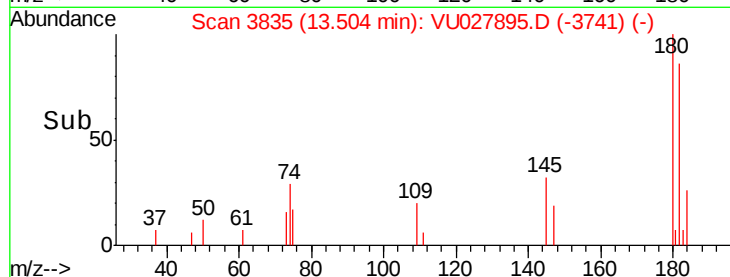
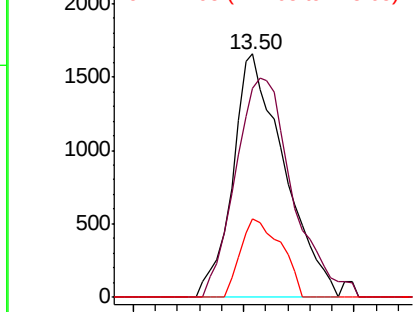
#68
 1,2,4-trichlorobenzene
 Concen: 0.329 ug/L
 RT: 13.50 min Scan# 3835
 Delta R.T. 0.00 min
 Lab File: VU027895.D
 Acq: 01 Nov 2018 11:13

Instrument :
 MSVOA_U
 ClientSampleId :
 MDL02

Tgt Ion:180 Resp: 2684
 Ion Ratio Lower Upper
 180 100
 182 99.8 77.8 116.6
 145 25.6 22.9 34.3

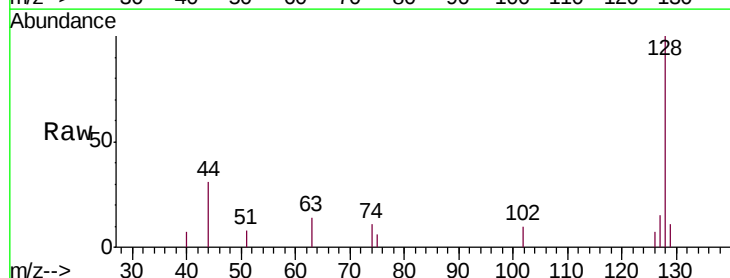


Abundance Ion 179.90 (179.60 to 180.60): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 144.95 (144.65 to 145.65): V

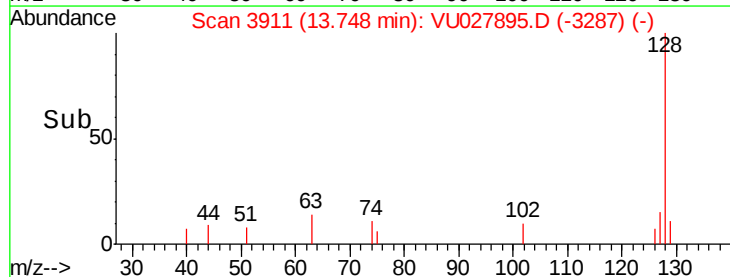
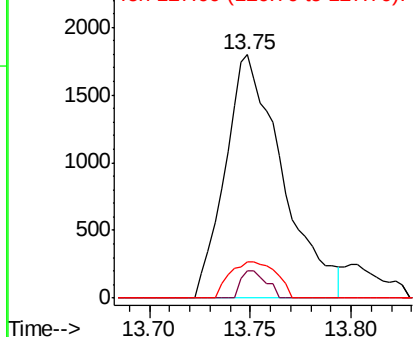


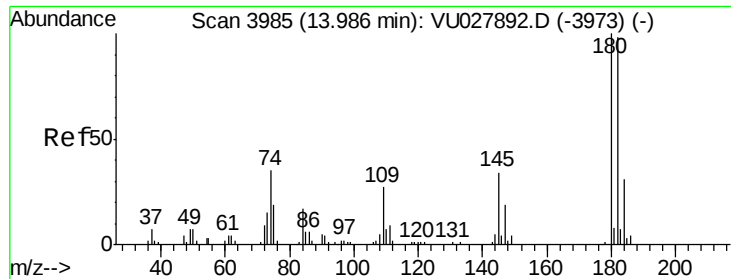
#69
 Naphthalene
 Concen: 0.280 ug/L
 RT: 13.75 min Scan# 3911
 Delta R.T. 0.01 min
 Lab File: VU027895.D
 Acq: 01 Nov 2018 11:13

Tgt Ion:128 Resp: 3557
 Ion Ratio Lower Upper
 128 100
 129 5.0 8.6 12.8#
 127 12.1 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

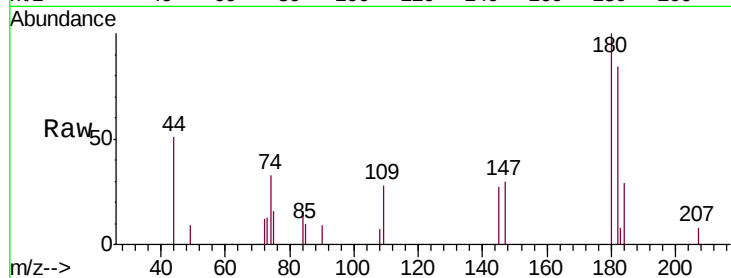




#70
 1,2,3-Trichlorobenzene
 Concen: 0.348 ug/L
 RT: 13.99 min Scan# 3987
 Delta R.T. 0.01 min
 Lab File: VU027895.D
 Acq: 01 Nov 2018 11:13

Instrument :
 MSVOA_U
 ClientSampleId :
 MDL02

Tgt Ion:180 Resp: 2585
 Ion Ratio Lower Upper
 180 100
 182 84.2 79.4 119.0
 145 21.3 25.4 38.0#



Abundance Ion 179.90 (179.60 to 180.60): V
 Ion 181.90 (181.60 to 182.60): V
 Ion 144.95 (144.65 to 145.65): V

