

Data File : VU027896.D
Acq On : 01 Nov 2018 11:36
Operator : MD/SY
Sample : MDL03
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
MDL03

Quant Time: Nov 02 08:06:28 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	78422	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	77595	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	36041	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	23746	3.88	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	77.60%
7) Chloroethane-d5	1.68	69	19185	4.06	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	81.20%
11) 1,1-Dichloroethene-d2	2.28	63	38277	3.29	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	65.80%
20) 2-Butanone-d5	4.19	46	86179	47.15	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	94.30%
24) Chloroform-d	4.65	84	44631	4.05	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	81.00%
26) 1,2-Dichloroethane-d4	5.31	65	31977	5.04	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	100.80%
32) Benzene-d6	5.34	84	89287	4.20	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	84.00%
36) 1,2-Dichloropropane-d6	6.33	67	32140	4.27	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	85.40%
41) Toluene-d8	7.57	98	82419	4.08	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	81.60%
43) trans-1,3-Dichloropropene-	7.85	79	11280	3.87	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	77.40%
46) 2-Hexanone-d5	8.31	63	69507	43.65	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	87.30%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	23004	4.32	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	86.40%
64) 1,2-Dichlorobenzene-d4	11.86	152	31012	4.50	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	90.00%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.21	85	2947	0.382 ug/L	97
3) Chloromethane	1.33	50	2920	0.381 ug/L	98
5) Vinyl chloride	1.40	62	2881	0.378 ug/L	92
6) Bromomethane	1.63	94	872	0.348 ug/L	92
8) Chloroethane	1.70	64	1807	0.404 ug/L	90
9) Trichlorofluoromethane	1.89	101	3708	0.366 ug/L	87
10) 1,1,2-Trichloro-1,2,2-trif	2.29	101	2202	0.426 ug/L	88
12) 1,1-Dichloroethene	2.29	96	1959	0.402 ug/L #	1
13) Acetone	2.32	43	4444	3.857 ug/L	91
14) Carbon disulfide	2.48	76	5822	0.335 ug/L	95
15) Methyl Acetate	2.62	43	1445	0.469 ug/L #	62
16) Methylene chloride	2.70	84	2147	0.392 ug/L	91
17) Methyl tert-butyl Ether	3.01	73	5120	0.353 ug/L #	85
18) trans-1,2-Dichloroethene	2.98	96	1764	0.341 ug/L	84
19) 1,1-Dichloroethane	3.44	63	4001	0.366 ug/L	98
21) 2-Butanone	4.29	43	7115	3.552 ug/L	98
22) cis-1,2-Dichloroethene	4.23	96	2036	0.340 ug/L	96

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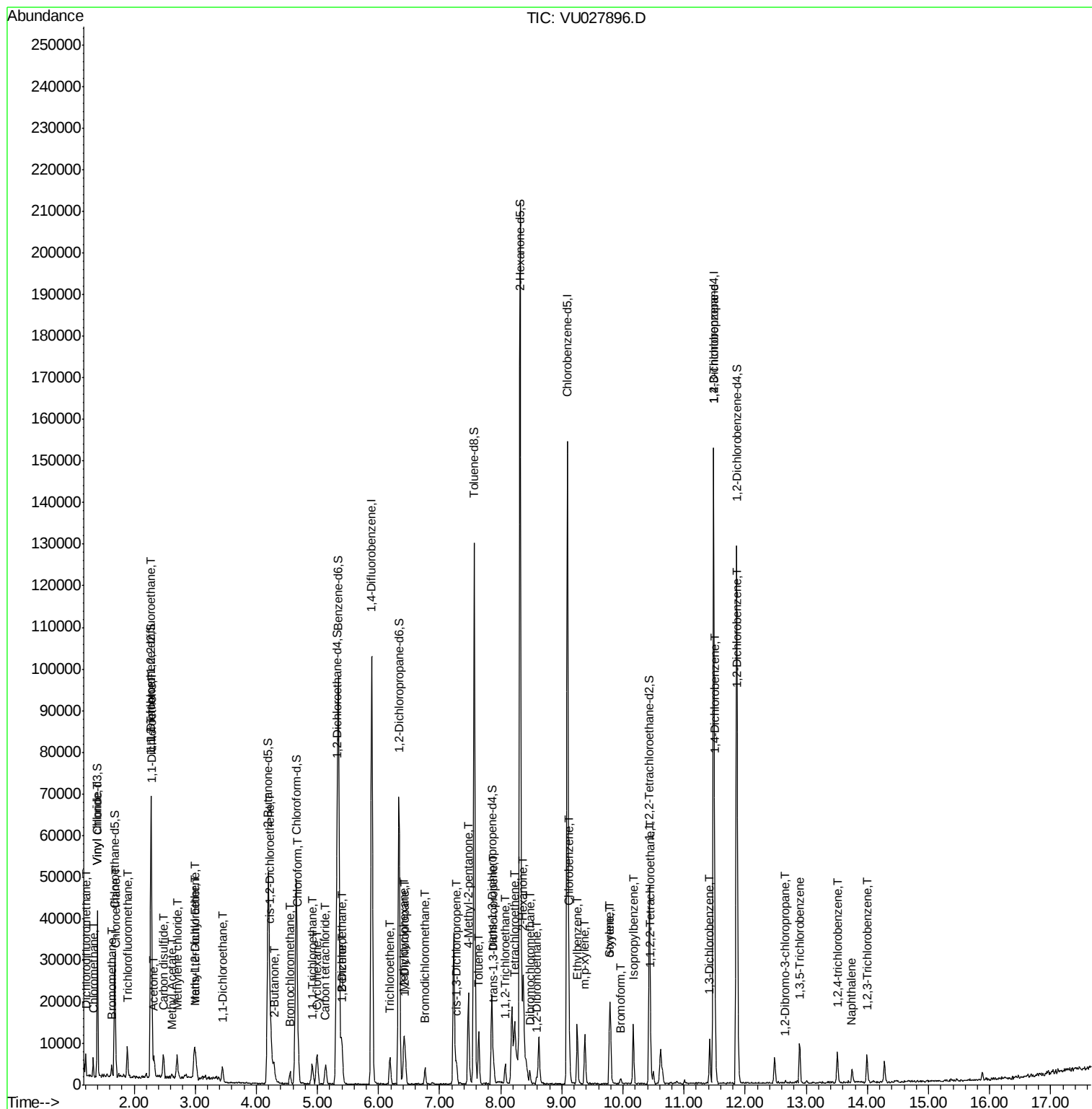
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.55	128	770	0.311	ug/L	87
25) Chloroform	4.68	83	8456	0.763	ug/L	96
27) 1,2-Dichloroethane	5.41	62	2993	0.387	ug/L #	78
29) 1,1,1-Trichloroethane	4.92	97	3592	0.359	ug/L	96
30) Cyclohexane	5.00	56	3918	0.333	ug/L	99
31) Carbon tetrachloride	5.13	117	3233	0.376	ug/L	100
33) Benzene	5.39	78	8635	0.351	ug/L	100
34) Trichloroethene	6.19	95	2368	0.370	ug/L	87
35) Methylcyclohexane	6.41	83	3462	0.318	ug/L	86
37) 1,2-Dichloropropane	6.44	63	2513	0.359	ug/L #	90
38) Bromodichloromethane	6.76	83	2688	0.328	ug/L	91
39) cis-1,3-Dichloropropene	7.27	75	3638	0.363	ug/L	84
40) 4-Methyl-2-pentanone	7.47	43	16615	3.360	ug/L	98
42) Toluene	7.64	91	8948	0.348	ug/L	99
44) trans-1,3-Dichloropropene	7.88	75	3236	0.376	ug/L	86
45) 1,1,2-Trichloroethane	8.08	97	1447	0.336	ug/L	87
47) Tetrachloroethene	8.23	164	1802	0.367	ug/L	93
48) 2-Hexanone	8.37	43	13791	3.868	ug/L	96
49) Dibromochloromethane	8.48	129	1598	0.307	ug/L	86
50) 1,2-Dibromoethane	8.59	107	1368	0.332	ug/L #	98
51) Chlorobenzene	9.12	112	5868	0.368	ug/L #	88
52) Ethylbenzene	9.25	91	10429	0.356	ug/L	93
53) m,p-xylene	9.38	106	3191	0.300	ug/L	83
54) o-xylene	9.78	106	3177	0.304	ug/L	99
55) Styrene	9.80	104	5545	0.317	ug/L	95
56) Isopropylbenzene	10.17	105	9516	0.335	ug/L	98
58) 1,1,2,2-Tetrachloroethane	10.46	83	1998	0.356	ug/L #	76
59) 1,2,3-Trichloropropane	11.48	75	5812	1.370	ug/L	98
61) Bromoform	9.96	173	818	0.309	ug/L #	81
62) 1,3-Dichlorobenzene	11.42	146	4200	0.362	ug/L	92
63) 1,4-Dichlorobenzene	11.51	146	4532	0.391	ug/L	95
65) 1,2-Dichlorobenzene	11.88	146	4230	0.386	ug/L	90
66) 1,2-Dibromo-3-chloropropan	12.66	75	251	0.293	ug/L #	69
67) 1,3,5-Trichlorobenzene	12.89	180	3135	0.336	ug/L	93
68) 1,2,4-trichlorobenzene	13.51	180	2726	0.344	ug/L	96
69) Naphthalene	13.75	128	3634	0.295	ug/L #	93
70) 1,2,3-Trichlorobenzene	13.99	180	2711	0.375	ug/L	88

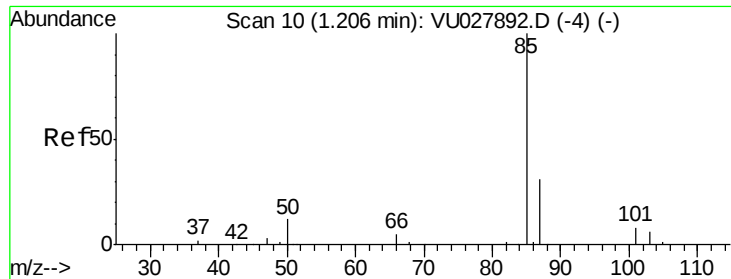
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 0.382 ug/L

RT: 1.21 min Scan# 11

Delta R.T. 0.00 min

Lab File: VU027896.D

Acq: 01 Nov 2018 11:36

Instrument :

MSVOA_U

ClientSampleId :

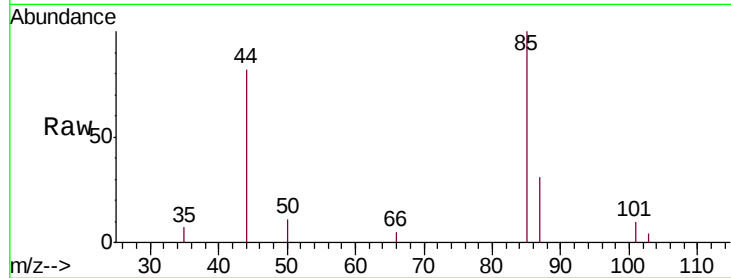
MDL03

Tgt Ion: 85 Resp: 2947

Ion Ratio Lower Upper

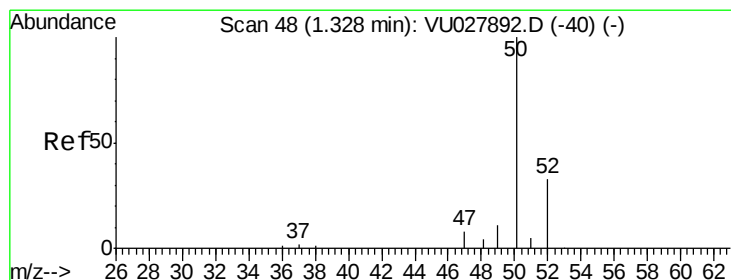
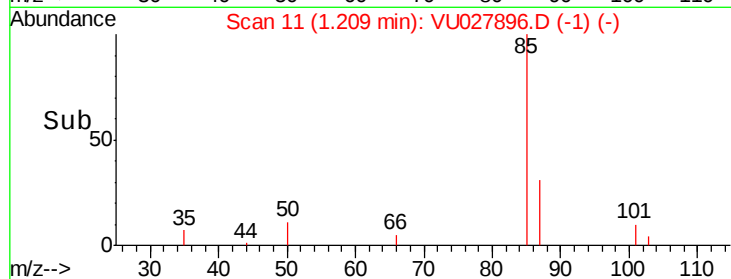
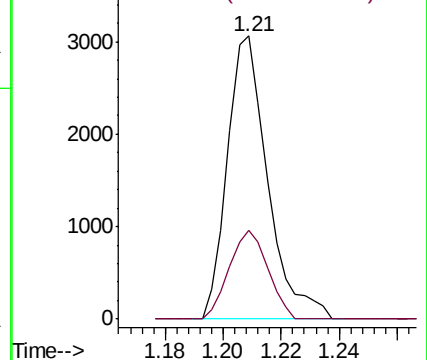
85 100

87 30.0 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: 0.381 ug/L

RT: 1.33 min Scan# 49

Delta R.T. 0.00 min

Lab File: VU027896.D

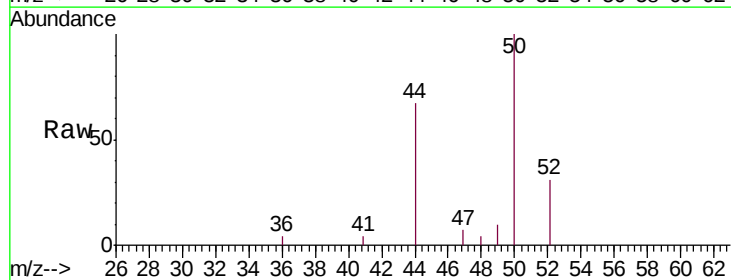
Acq: 01 Nov 2018 11:36

Tgt Ion: 50 Resp: 2920

Ion Ratio Lower Upper

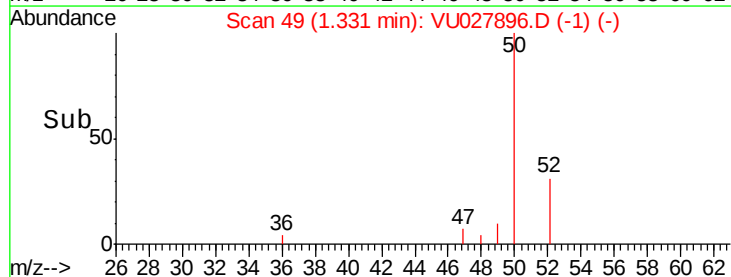
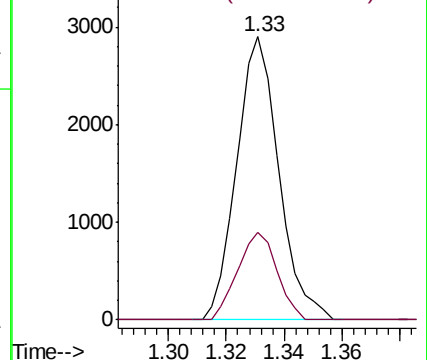
50 100

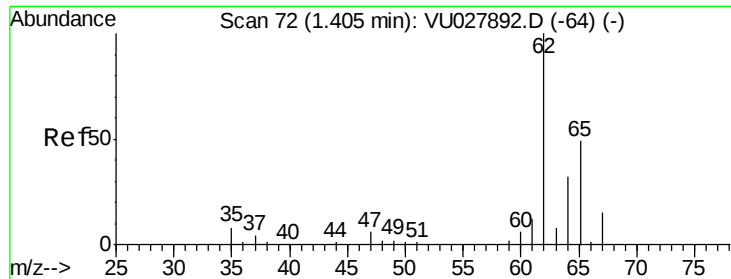
52 30.9 22.3 41.5



Abundance Ion 50.05 (49.75 to 50.75): VU0

Ion 52.05 (51.75 to 52.75): VU0





#5

Vinyl chloride

Concen: 0.378 ug/L

RT: 1.40 min Scan# 71

Delta R.T. -0.00 min

Lab File: VU027896.D

Acq: 01 Nov 2018 11:36

Instrument :

MSVOA_U

ClientSampled :

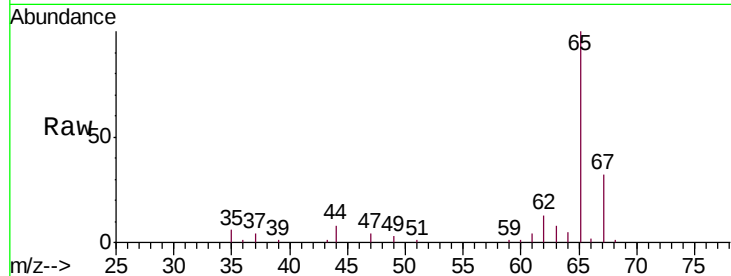
MDL03

Tgt Ion: 62 Resp: 2881

Ion Ratio Lower Upper

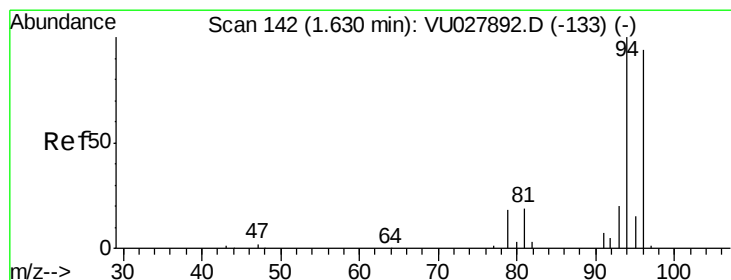
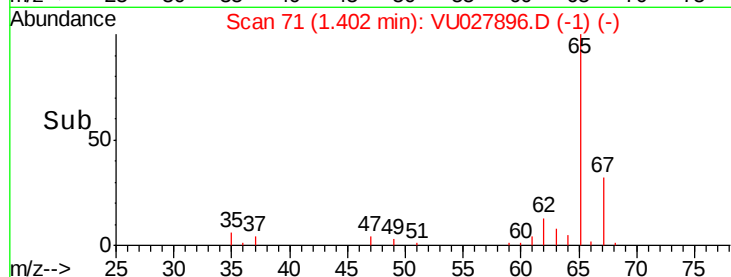
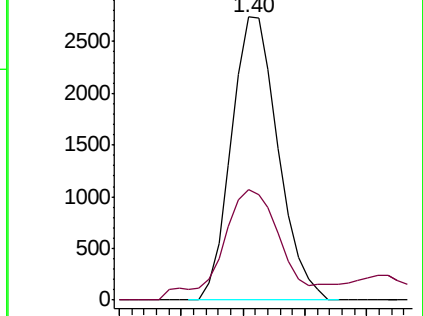
62 100

64 38.9 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: 0.348 ug/L

RT: 1.63 min Scan# 143

Delta R.T. 0.00 min

Lab File: VU027896.D

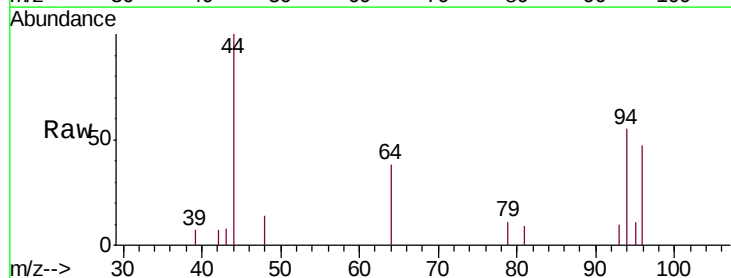
Acq: 01 Nov 2018 11:36

Tgt Ion: 94 Resp: 872

Ion Ratio Lower Upper

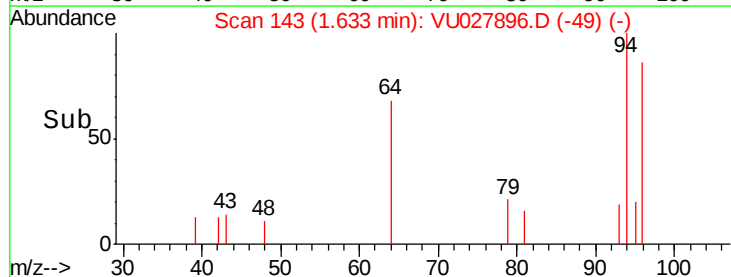
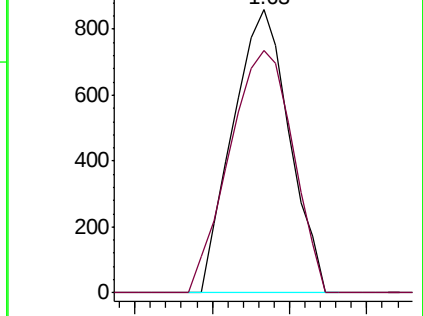
94 100

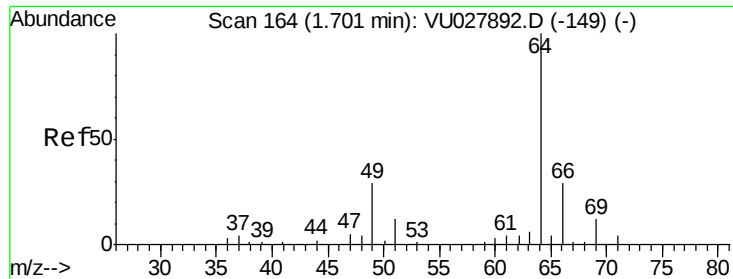
96 85.6 65.0 120.6



Abundance Ion 94.00 (93.70 to 94.70): VU0

Ion 96.00 (95.70 to 96.70): VU0

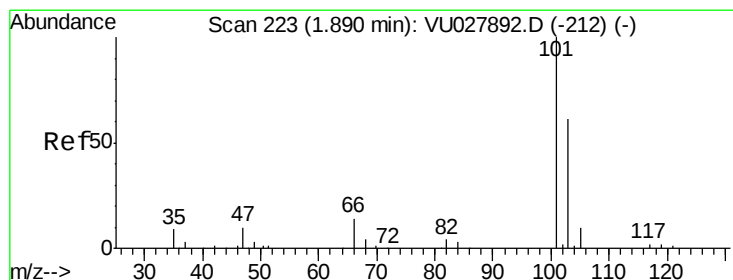
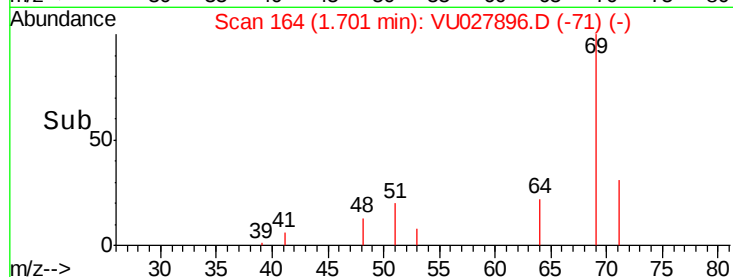
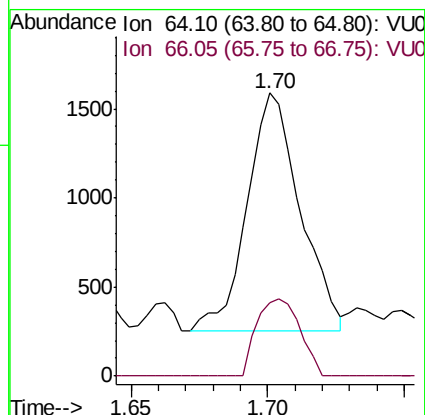
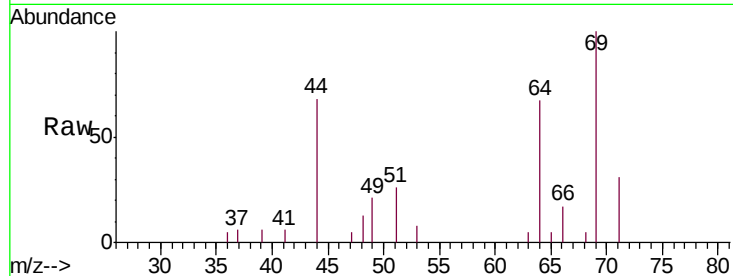




#8
Chloroethane
Concen: 0.404 ug/L
RT: 1.70 min Scan# 164
Delta R.T. -0.00 min
Lab File: VU027896.D
Acq: 01 Nov 2018 11:36

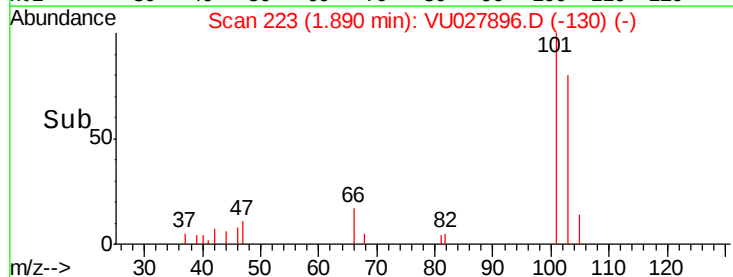
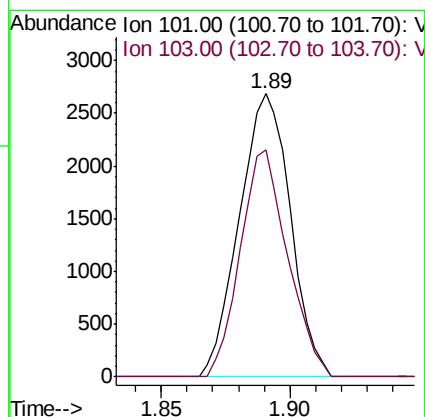
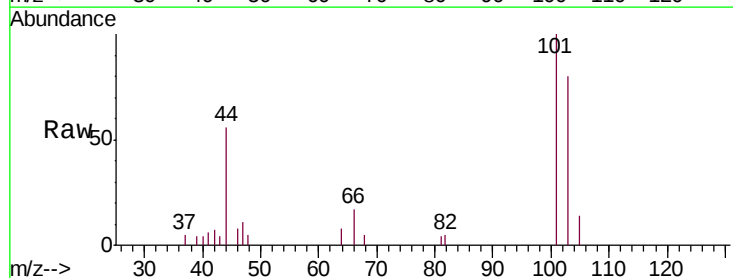
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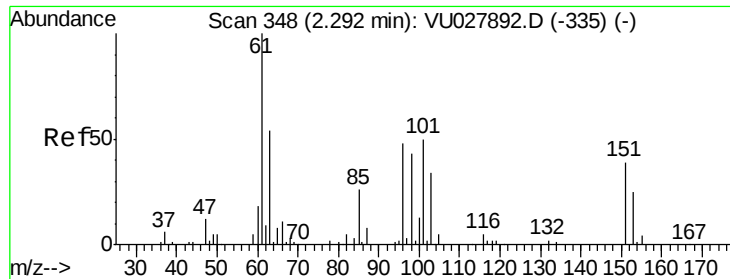
Tgt Ion: 64 Resp: 1807
Ion Ratio Lower Upper
64 100
66 25.9 21.8 40.6



#9
Trichlorofluoromethane
Concen: 0.366 ug/L
RT: 1.89 min Scan# 223
Delta R.T. -0.00 min
Lab File: VU027896.D
Acq: 01 Nov 2018 11:36

Tgt Ion: 101 Resp: 3708
Ion Ratio Lower Upper
101 100
103 74.1 51.4 77.0





#10

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

Concen: 0.426 ug/L

RT: 2.29 min Scan# 347

Delta R.T. -0.00 min

Lab File: VU027896.D

Acq: 01 Nov 2018 11:36

Instrument :

MSVOA_U

ClientSampleID :

MDL03

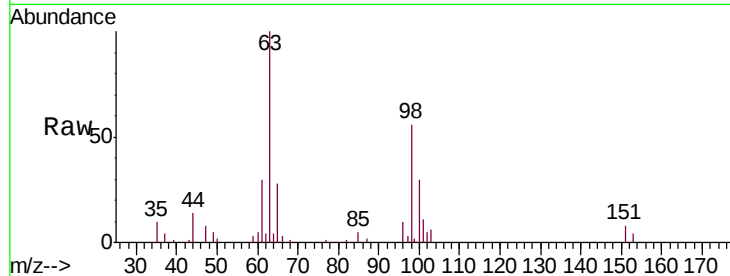
Tgt Ion: 101 Resp: 2202

Ion Ratio Lower Upper

101 100

85 40.9 37.1 55.7

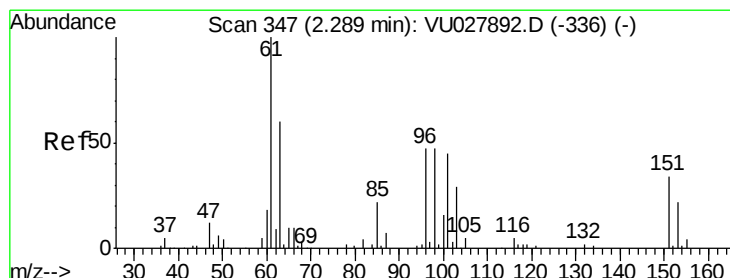
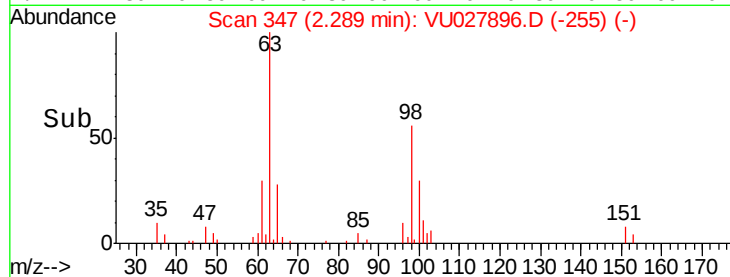
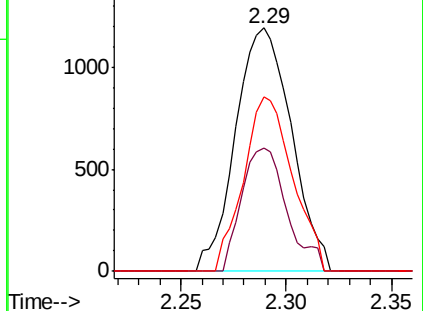
151 62.8 59.9 89.9



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: 0.402 ug/L

RT: 2.29 min Scan# 348

Delta R.T. 0.00 min

Lab File: VU027896.D

Acq: 01 Nov 2018 11:36

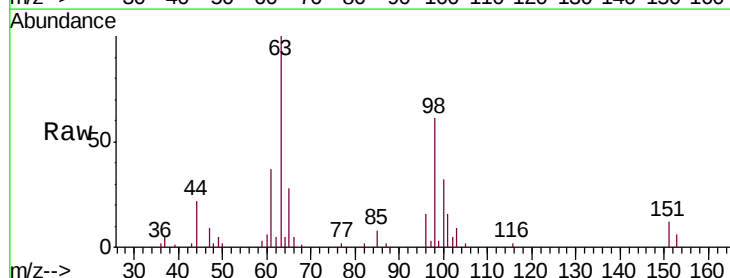
Tgt Ion: 96 Resp: 1959

Ion Ratio Lower Upper

96 100

61 232.4 141.1 262.1

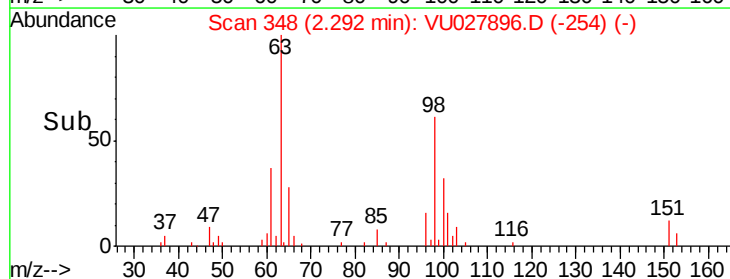
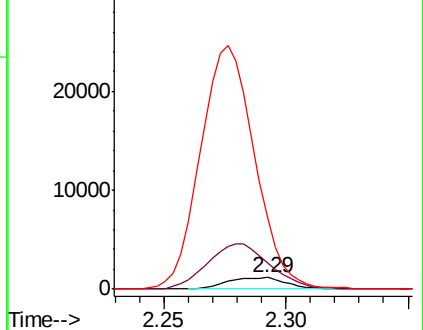
63 623.9 113.0 209.9#

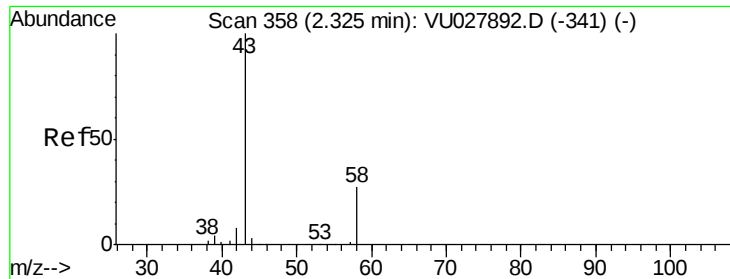


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 3.857 ug/L

RT: 2.32 min Scan# 358

Delta R.T. -0.00 min

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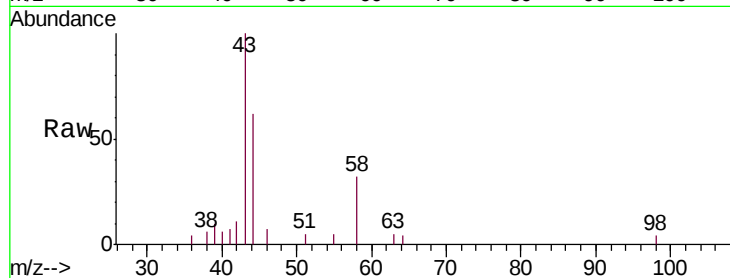
MDL03

Tgt Ion: 43 Resp: 4444

Ion Ratio Lower Upper

43 100

58 26.0 0.0 61.4



Abundance Ion 43.05 (42.75 to 43.75): VU0

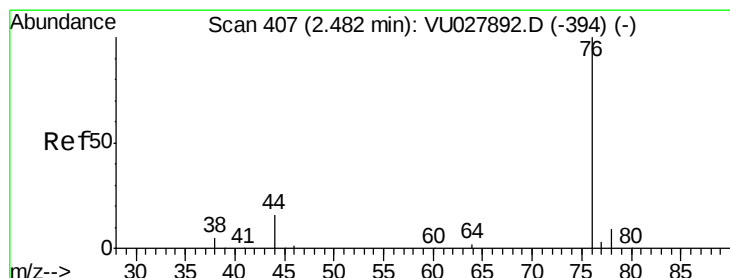
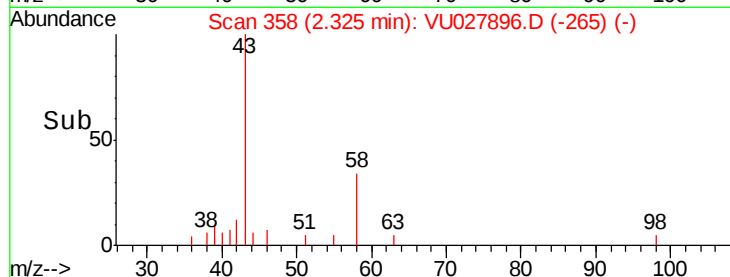
Ion 58.05 (57.75 to 58.75): VU0

2.32

2.30

2.35

Time-->



#14

Carbon disulfide

Concen: 0.335 ug/L

RT: 2.48 min Scan# 407

Delta R.T. -0.00 min

Lab File: VU027896.D

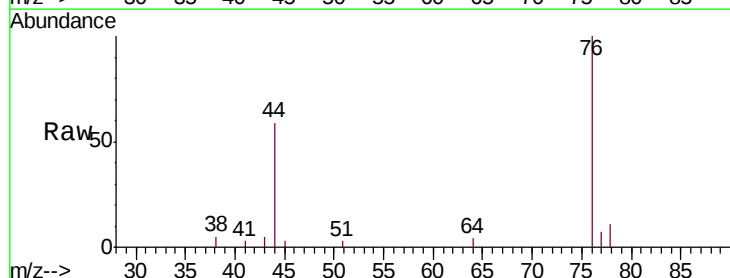
Acq: 01 Nov 2018 11:36

Tgt Ion: 76 Resp: 5822

Ion Ratio Lower Upper

76 100

78 11.1 7.5 11.3



Abundance Ion 76.05 (75.75 to 76.75): VU0

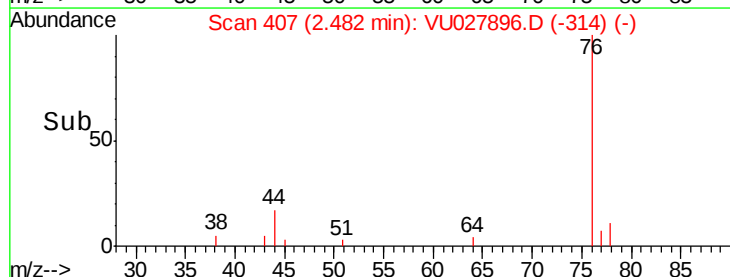
Ion 78.00 (77.70 to 78.70): VU0

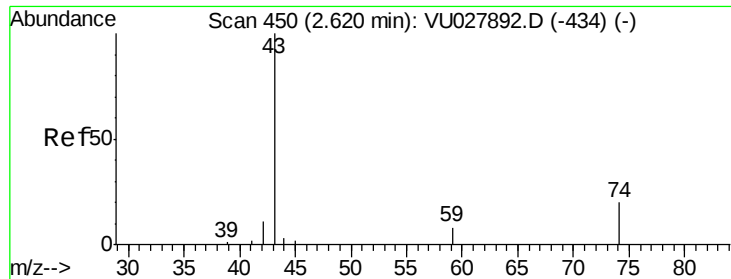
2.48

2.45

2.50

Time-->

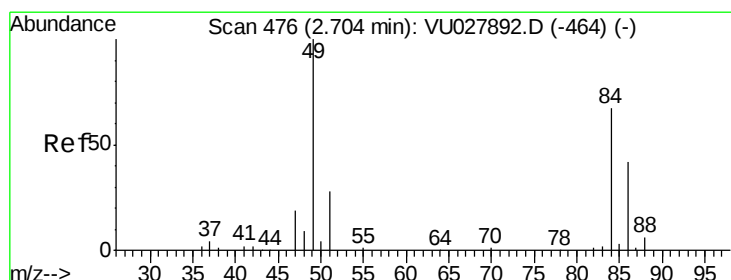
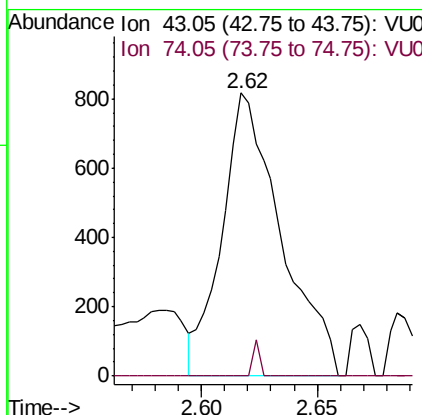
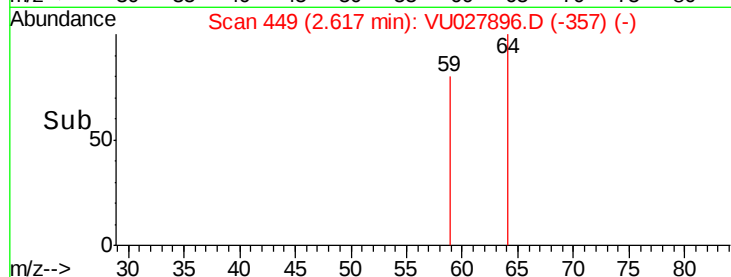
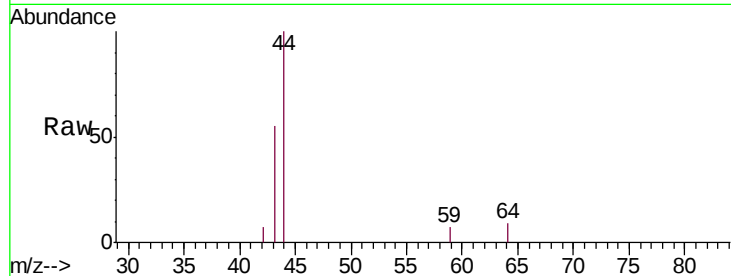




#15
Methyl Acetate
Concen: 0.469 ug/L
RT: 2.62 min Scan# 449
Delta R.T. -0.00 min
Lab File: VU027896.D
Acq: 01 Nov 2018 11:36

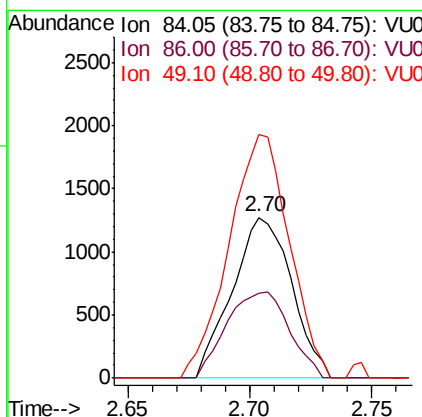
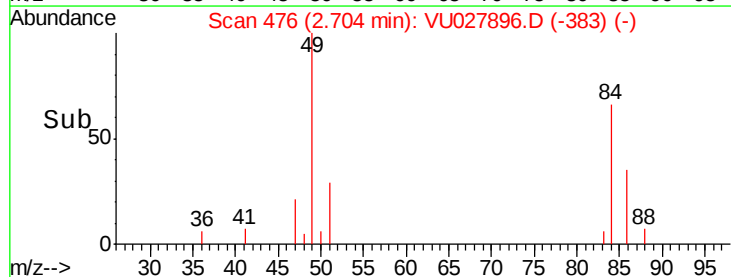
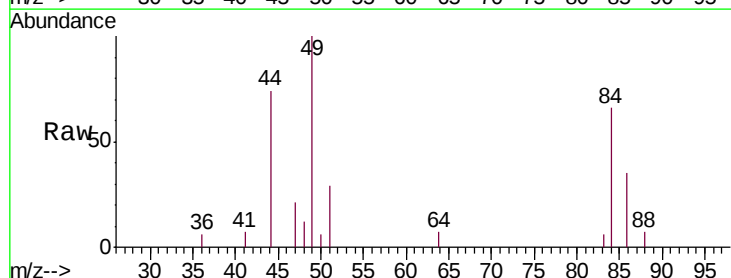
Instrument :
MSVOA_U
ClientSampleId :
MDL03

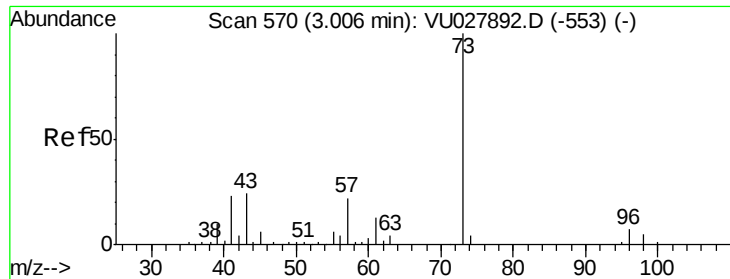
Tgt Ion: 43 Resp: 1445
Ion Ratio Lower Upper
43 100
74 1.4 14.9 22.3#



#16
Methylene chloride
Concen: 0.392 ug/L
RT: 2.70 min Scan# 476
Delta R.T. -0.00 min
Lab File: VU027896.D
Acq: 01 Nov 2018 11:36

Tgt Ion: 84 Resp: 2147
Ion Ratio Lower Upper
84 100
86 53.1 46.7 86.7
49 151.2 101.3 188.1

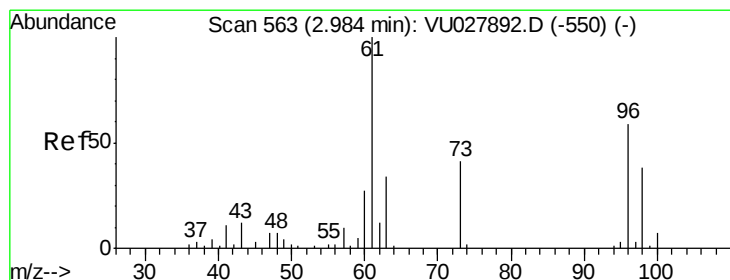
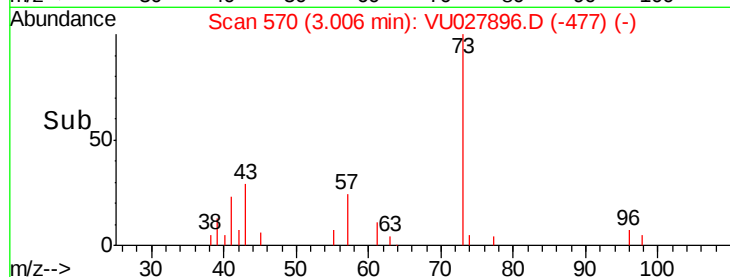
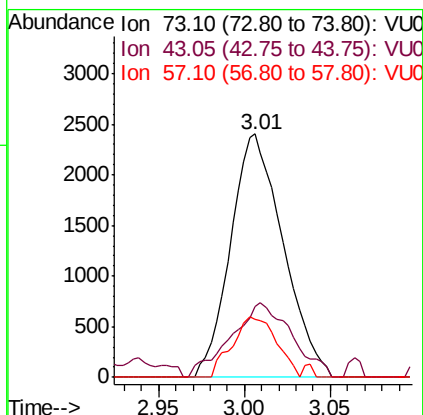
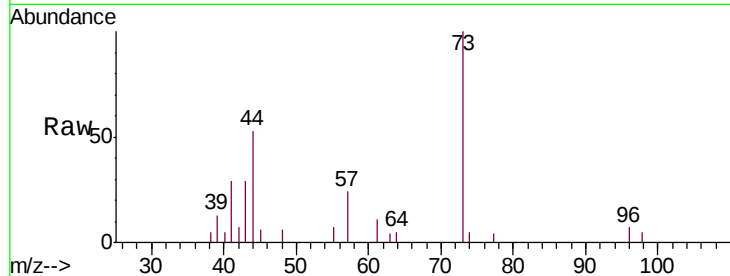




#17
Methyl tert-butyl Ether
Concen: 0.353 ug/L
RT: 3.01 min Scan# 570
Delta R.T. -0.00 min
Lab File: VU027896.D
Acq: 01 Nov 2018 11:36

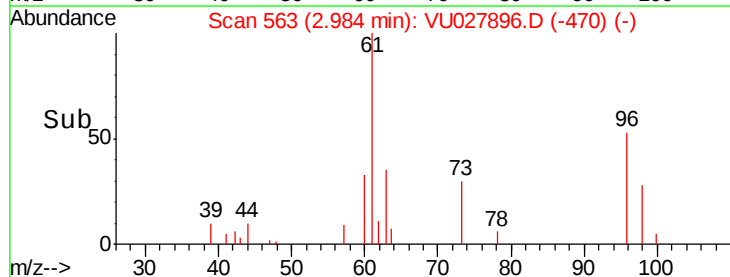
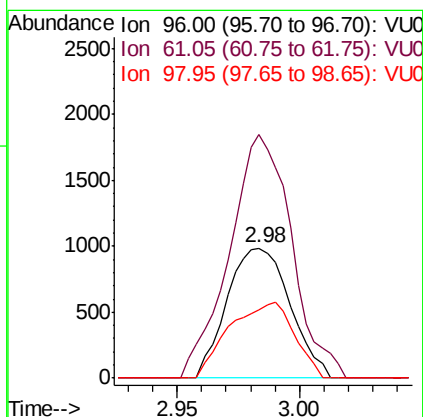
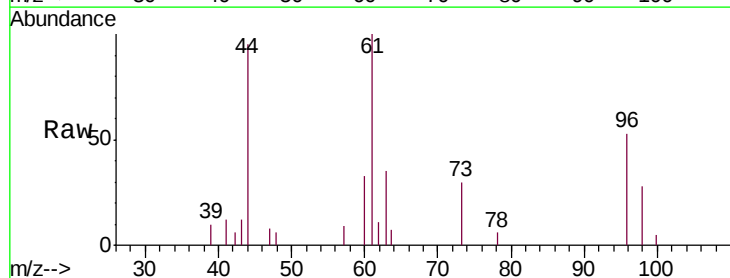
Instrument :
MSVOA_U
ClientSampled :
MDL03

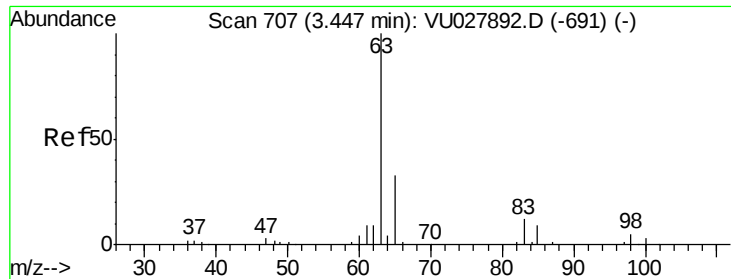
Tgt Ion: 73 Resp: 5120
Ion Ratio Lower Upper
73 100
43 35.5 18.7 28.1#
57 20.8 18.7 28.1



#18
trans-1,2-Dichloroethene
Concen: 0.341 ug/L
RT: 2.98 min Scan# 563
Delta R.T. -0.00 min
Lab File: VU027896.D
Acq: 01 Nov 2018 11:36

Tgt Ion: 96 Resp: 1764
Ion Ratio Lower Upper
96 100
61 187.3 115.2 214.0
98 52.7 44.0 81.8

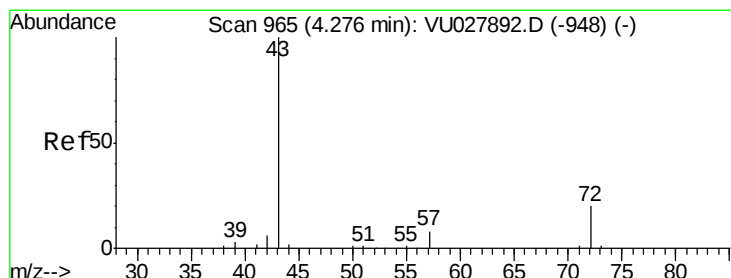
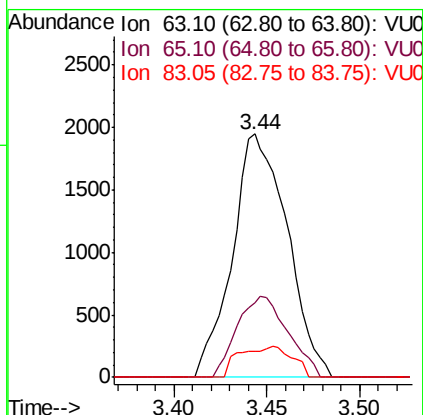
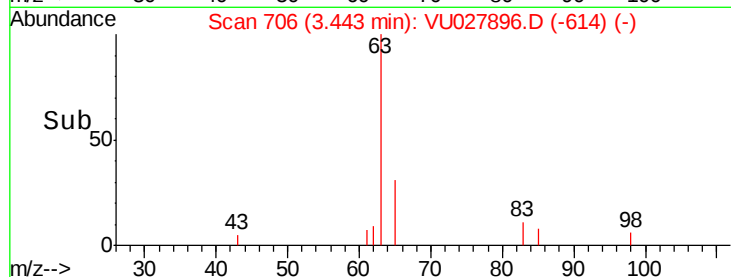
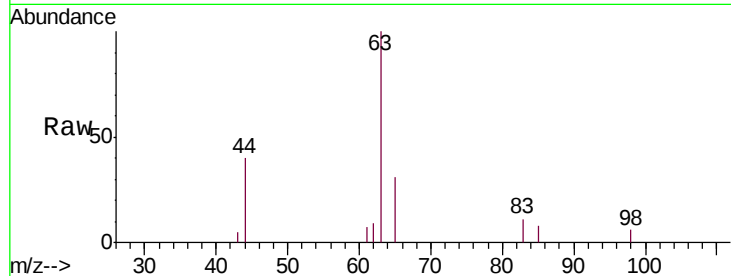




#19
 1,1-Dichloroethane
 Concen: 0.366 ug/L
 RT: 3.44 min Scan# 706
 Delta R.T. -0.00 min
 Lab File: VU027896.D
 Acq: 01 Nov 2018 11:36

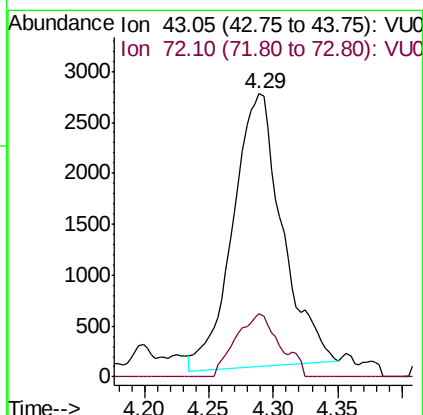
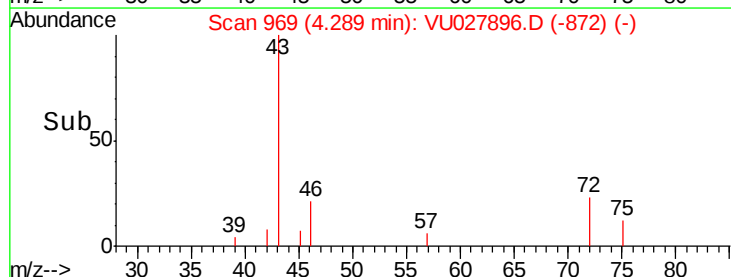
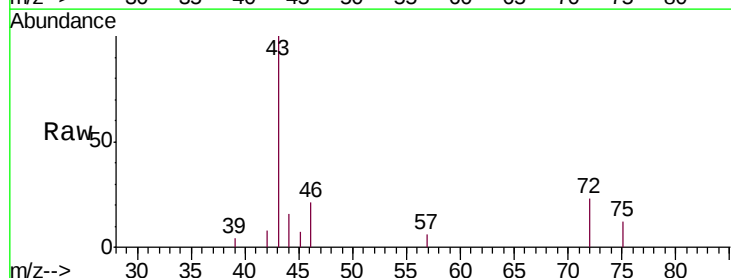
Instrument :
 MSVOA_U
 ClientSampleId :
 MDL03

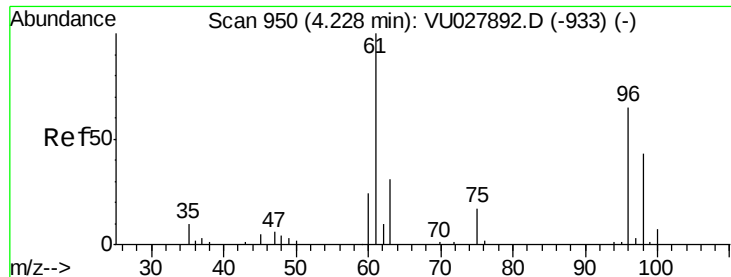
Tgt Ion: 63 Resp: 4001
 Ion Ratio Lower Upper
 63 100
 65 30.9 21.8 40.4
 83 10.9 9.4 17.4



#21
 2-Butanone
 Concen: 3.552 ug/L
 RT: 4.29 min Scan# 969
 Delta R.T. 0.01 min
 Lab File: VU027896.D
 Acq: 01 Nov 2018 11:36

Tgt Ion: 43 Resp: 7115
 Ion Ratio Lower Upper
 43 100
 72 20.8 10.9 32.9



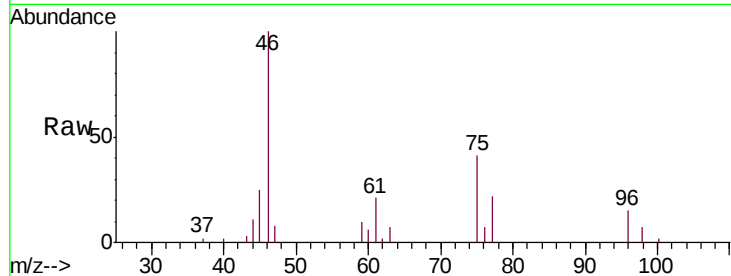


#22

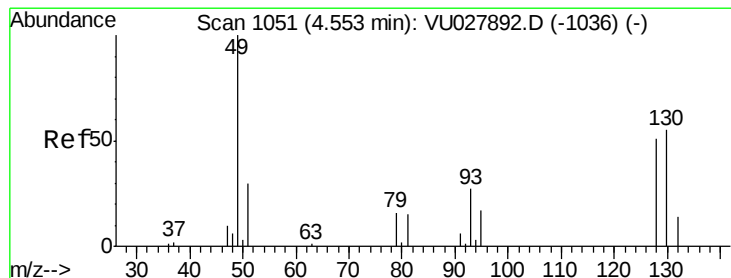
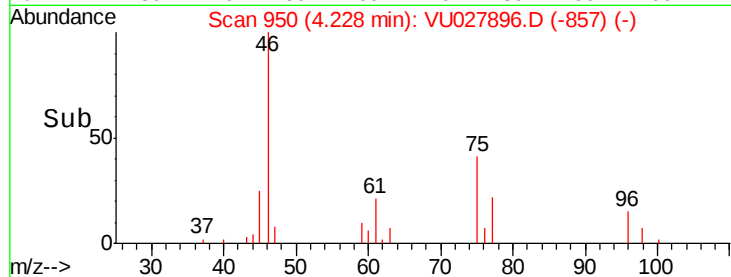
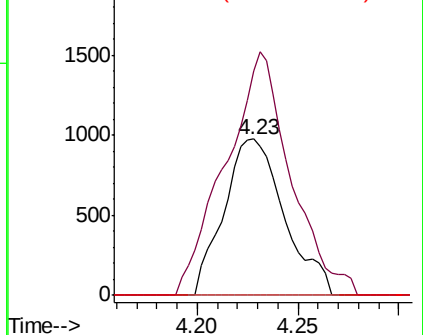
cis-1,2-Dichloroethene
 Concen: 0.340 ug/L
 RT: 4.23 min Scan# 950
 Delta R.T. -0.00 min
 Lab File: VU027896.D
 Acq: 01 Nov 2018 11:36

Instrument :
 MSVOA_U
 ClientSampleId :
 MDL03

Tgt Ion: 96 Resp: 2036
 Ion Ratio Lower Upper
 96 100
 61 144.0 104.0 193.2
 68 0.0 0.0 0.0



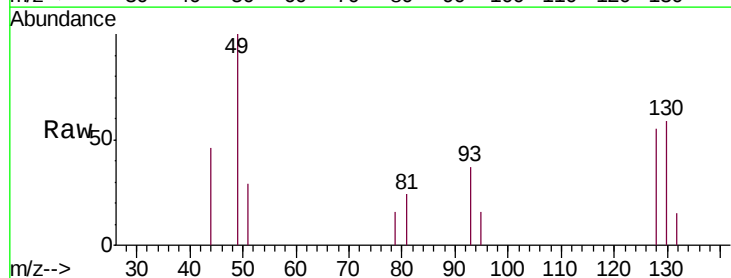
Abundance Ion 96.00 (95.70 to 96.70): VU0
 Ion 61.05 (60.75 to 61.75): VU0
 Ion 68.15 (67.85 to 68.85): VU0



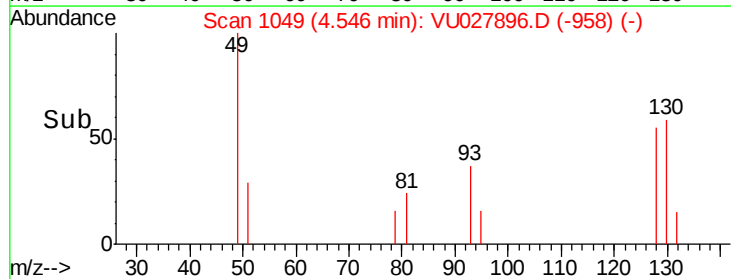
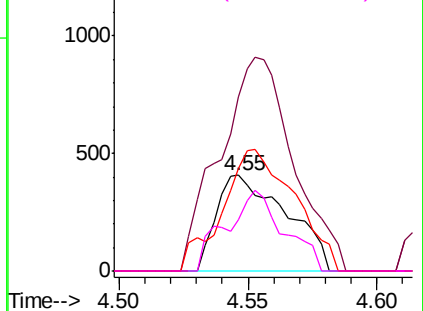
#23

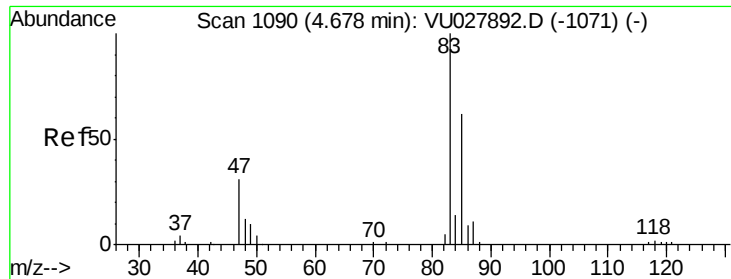
Bromochloromethane
 Concen: 0.311 ug/L
 RT: 4.55 min Scan# 1049
 Delta R.T. -0.01 min
 Lab File: VU027896.D
 Acq: 01 Nov 2018 11:36

Tgt Ion: 128 Resp: 770
 Ion Ratio Lower Upper
 128 100
 49 182.6 142.0 263.8
 130 106.9 86.1 159.9
 51 53.3 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

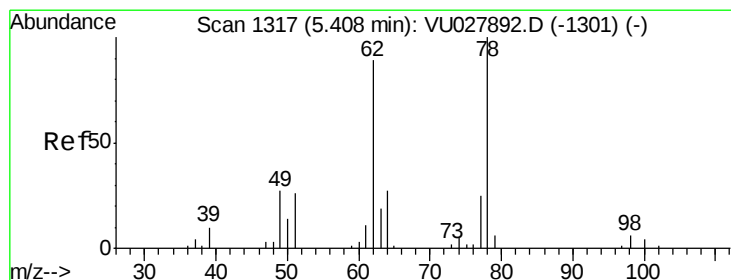
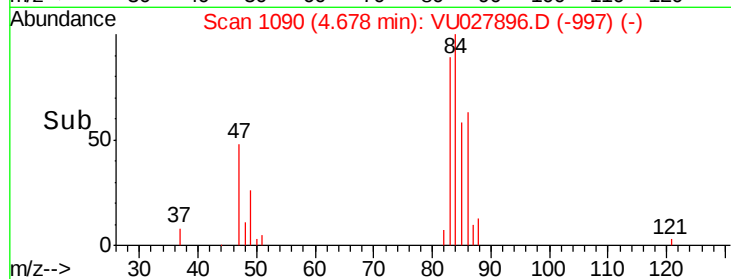
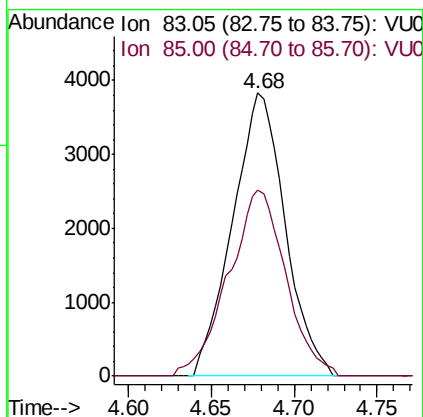
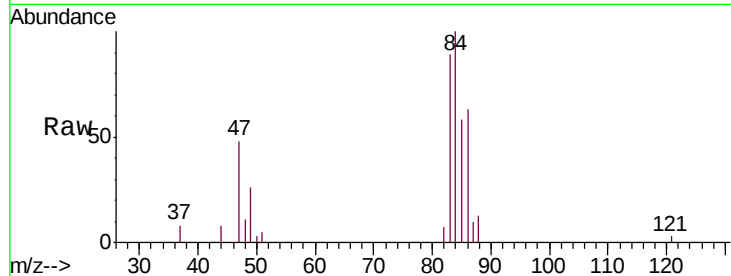




#25
Chloroform
Concen: 0.763 ug/L
RT: 4.68 min Scan# 1090
Delta R.T. -0.00 min
Lab File: VU027896.D
Acq: 01 Nov 2018 11:36

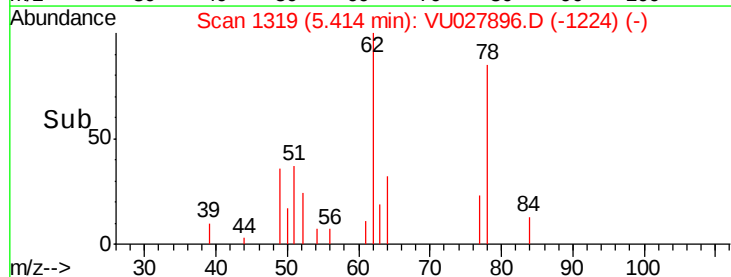
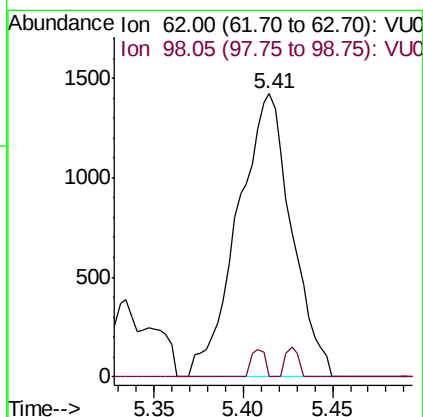
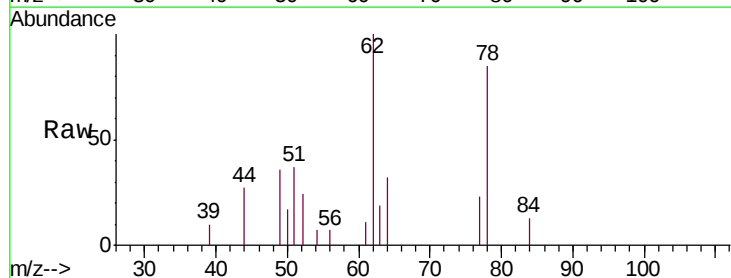
Instrument :
MSVOA_U
ClientSampled :
MDL03

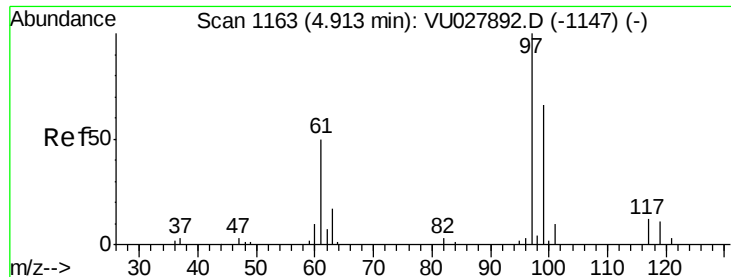
Tgt Ion: 83 Resp: 8456
Ion Ratio Lower Upper
83 100
85 65.6 44.0 81.8



#27
1,2-Dichloroethane
Concen: 0.387 ug/L
RT: 5.41 min Scan# 1319
Delta R.T. 0.01 min
Lab File: VU027896.D
Acq: 01 Nov 2018 11:36

Tgt Ion: 62 Resp: 2993
Ion Ratio Lower Upper
62 100
98 0.0 6.3 9.5#

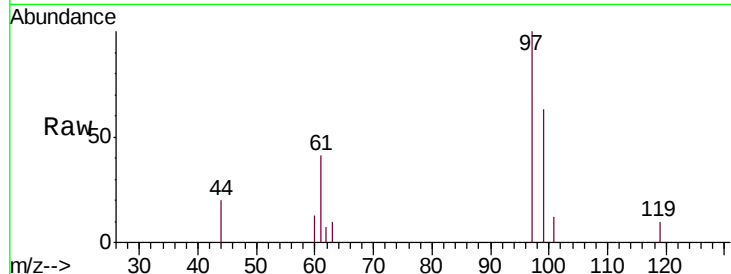




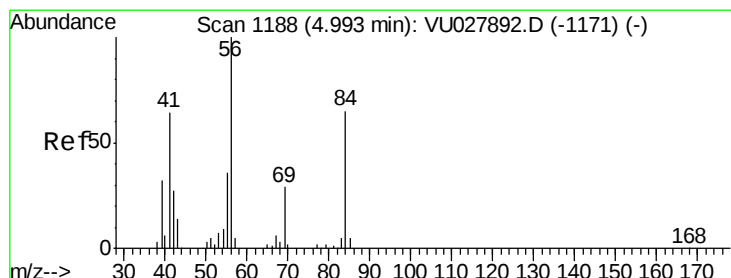
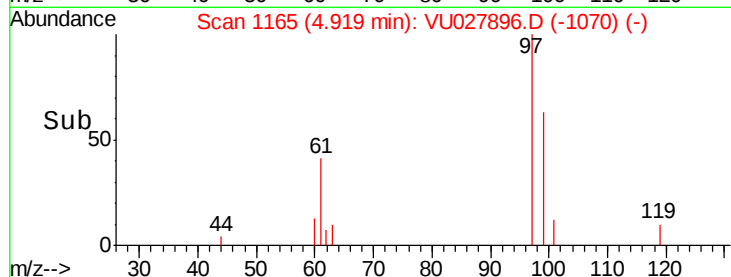
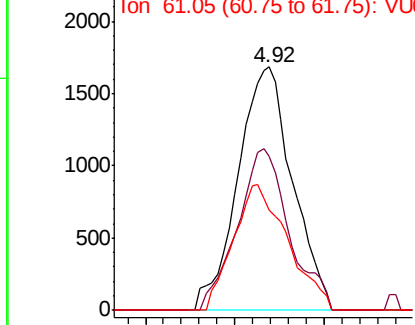
#29
 1,1,1-Trichloroethane
 Concen: 0.359 ug/L
 RT: 4.92 min Scan# 1165
 Delta R.T. 0.01 min
 Lab File: VU027896.D
 Acq: 01 Nov 2018 11:36

Instrument :
 MSVOA_U
 ClientSampleId :
 MDL03

Tgt Ion: 97 Resp: 3592
 Ion Ratio Lower Upper
 97 100
 99 63.0 50.6 76.0
 61 51.4 35.8 53.6

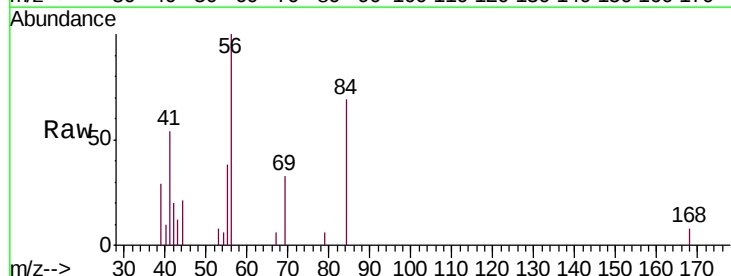


Abundance Ion 96.95 (96.65 to 97.65): VU0
 Ion 99.05 (98.75 to 99.75): VU0
 Ion 61.05 (60.75 to 61.75): VU0

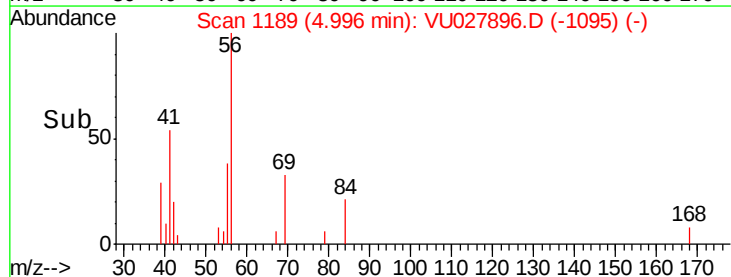
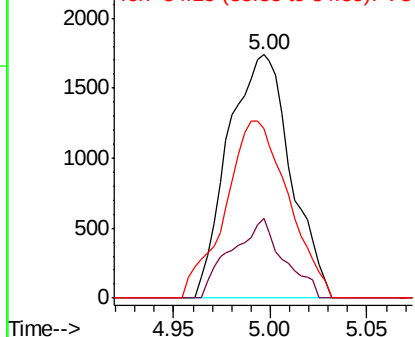


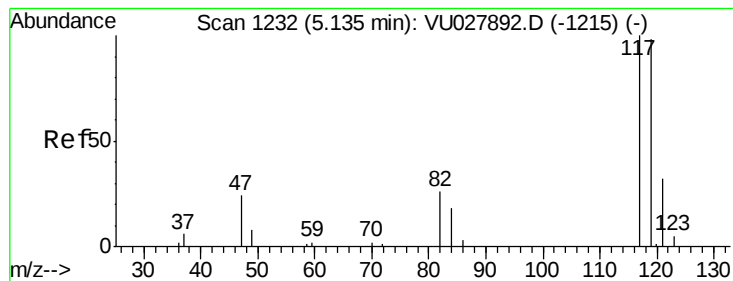
#30
 Cyclohexane
 Concen: 0.333 ug/L
 RT: 5.00 min Scan# 1189
 Delta R.T. 0.00 min
 Lab File: VU027896.D
 Acq: 01 Nov 2018 11:36

Tgt Ion: 56 Resp: 3918
 Ion Ratio Lower Upper
 56 100
 69 27.4 22.7 34.1
 84 73.2 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: 0.376 ug/L

RT: 5.13 min Scan# 1232

Delta R.T. -0.00 min

Lab File: VU027896.D

Acq: 01 Nov 2018 11:36

Instrument :

MSVOA_U

ClientSampleId :

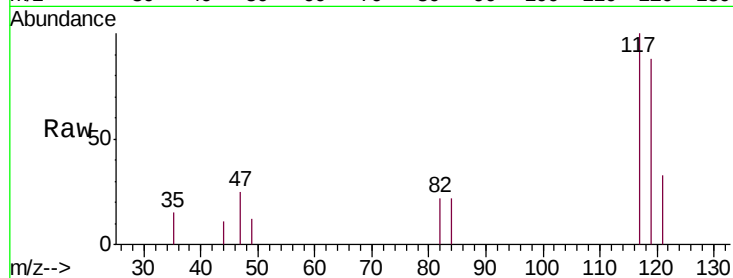
MDL03

Tgt Ion:117 Resp: 3233

Ion Ratio Lower Upper

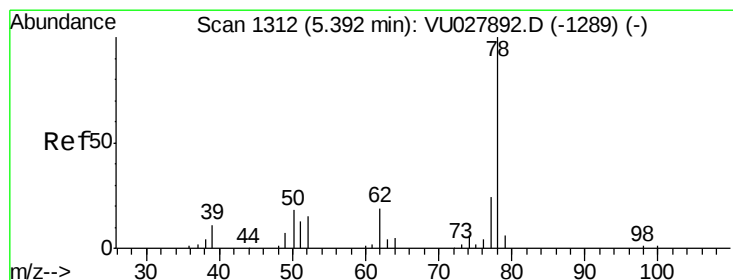
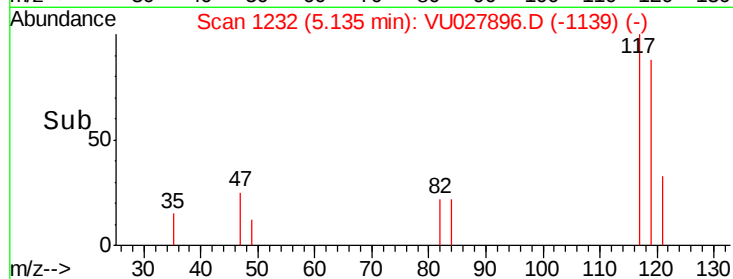
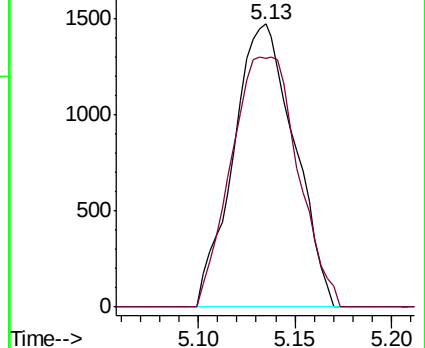
117 100

119 96.5 77.1 115.7



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V



#33

Benzene

Concen: 0.351 ug/L

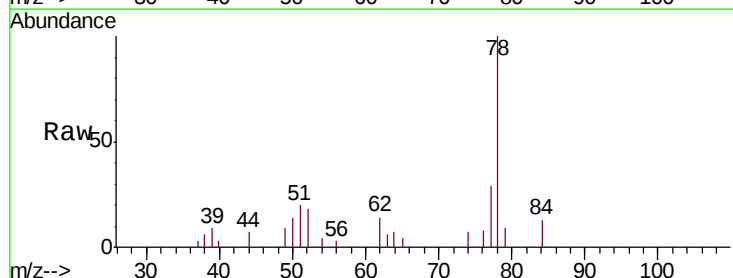
RT: 5.39 min Scan# 1312

Delta R.T. -0.00 min

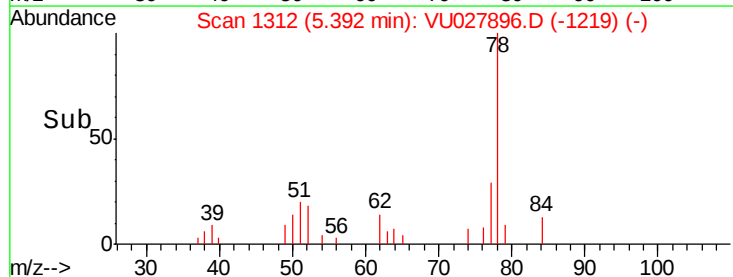
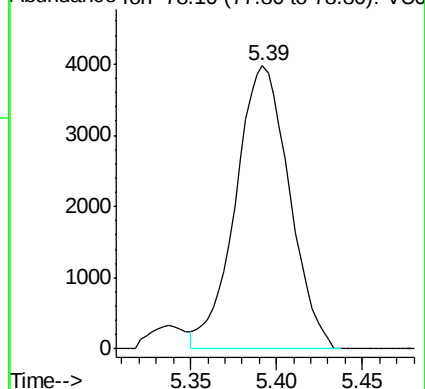
Lab File: VU027896.D

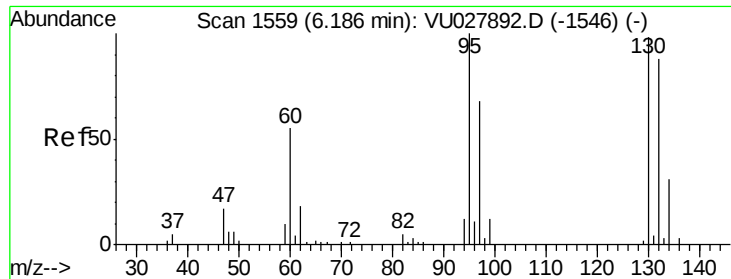
Acq: 01 Nov 2018 11:36

Tgt Ion: 78 Resp: 8635



Abundance Ion 78.10 (77.80 to 78.80): VU0

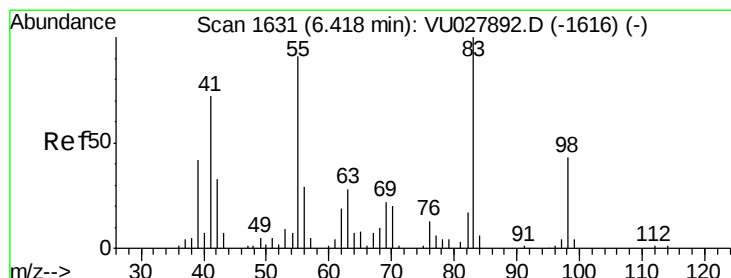
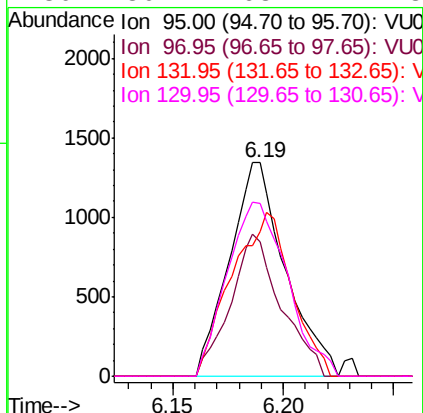
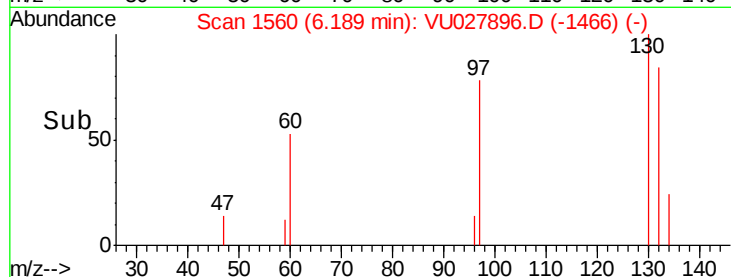
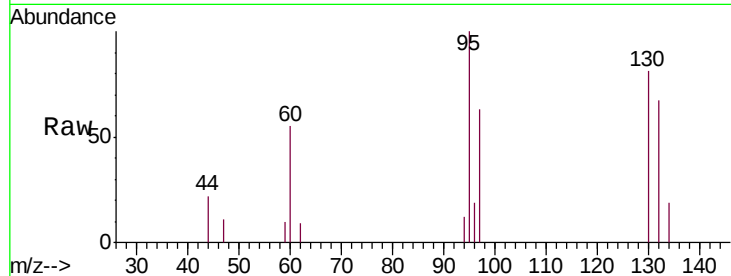




#34
 Trichloroethene
 Concen: 0.370 ug/L
 RT: 6.19 min Scan# 1560
 Delta R.T. 0.00 min
 Lab File: VU027896.D
 Acq: 01 Nov 2018 11:36

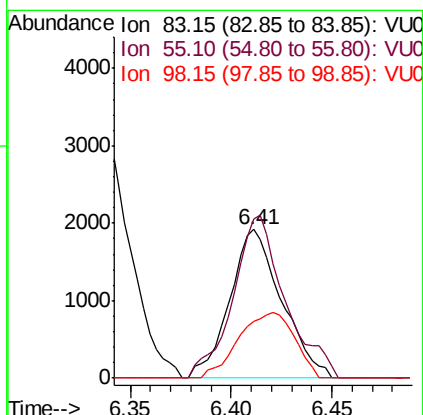
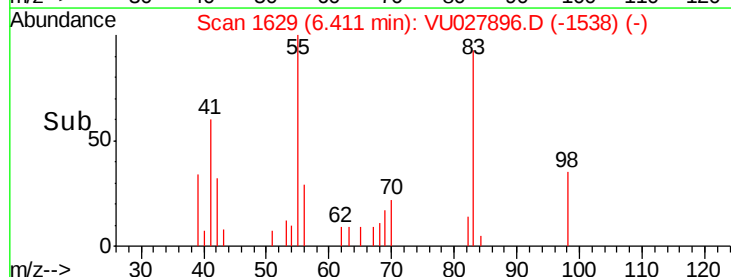
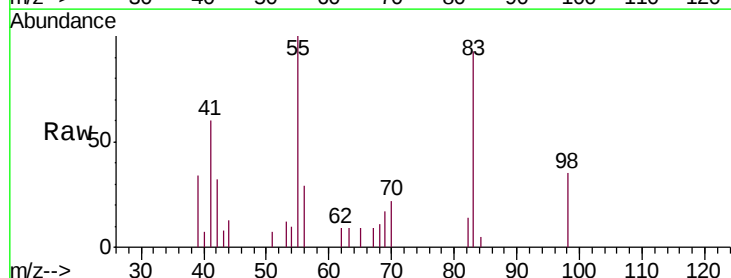
Instrument :
 MSVOA_U
 ClientSampleId :
 MDL03

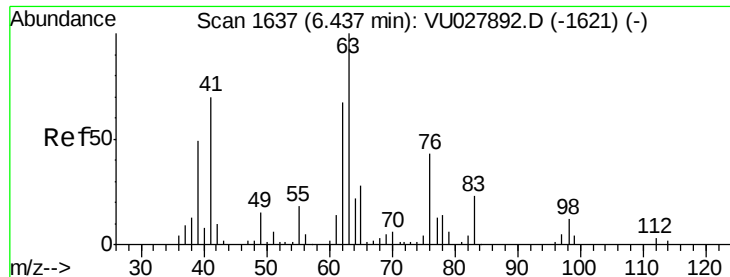
Tgt Ion: 95 Resp: 2368
 Ion Ratio Lower Upper
 95 100
 97 62.9 44.0 81.6
 132 67.5 63.3 117.5
 130 80.7 63.1 117.3



#35
 Methylcyclohexane
 Concen: 0.318 ug/L
 RT: 6.41 min Scan# 1629
 Delta R.T. -0.01 min
 Lab File: VU027896.D
 Acq: 01 Nov 2018 11:36

Tgt Ion: 83 Resp: 3462
 Ion Ratio Lower Upper
 83 100
 55 109.2 73.4 110.0
 98 47.4 35.3 52.9





#37

1,2-Dichloropropane

Concen: 0.359 ug/L

RT: 6.44 min Scan# 1637

Delta R.T. -0.00 min

Lab File: VU027896.D

Acq: 01 Nov 2018 11:36

Instrument :

MSVOA_U

ClientSampleId :

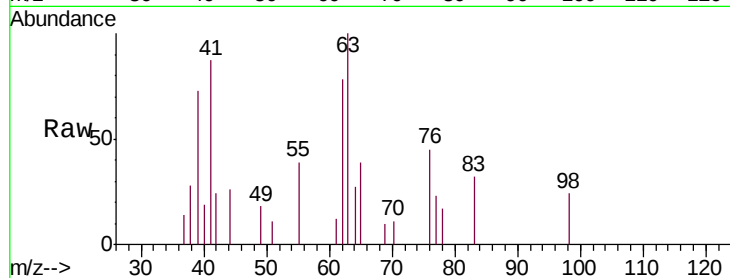
MDL03

Tgt Ion: 63 Resp: 2513

Ion Ratio Lower Upper

63 100

112 0.0 2.6 3.8#



Abundance Ion 63.10 (62.80 to 63.80): VU027896.D (-1544) (-)

Ion 112.10 (111.80 to 112.80): VU027896.D (-1544) (-)

6.44

1200

1000

800

600

400

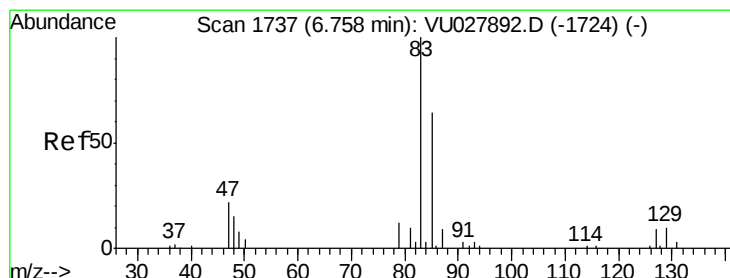
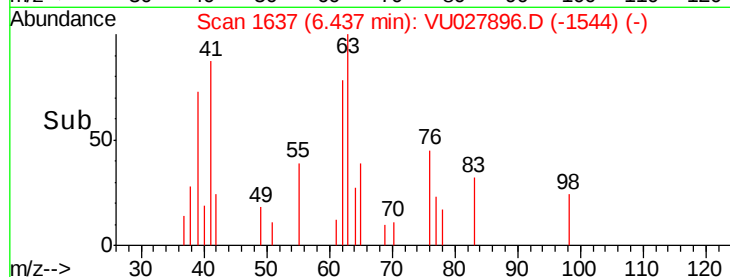
200

0

6.40

6.45

Time-->



#38

Bromodichloromethane

Concen: 0.328 ug/L

RT: 6.76 min Scan# 1737

Delta R.T. -0.00 min

Lab File: VU027896.D

Acq: 01 Nov 2018 11:36

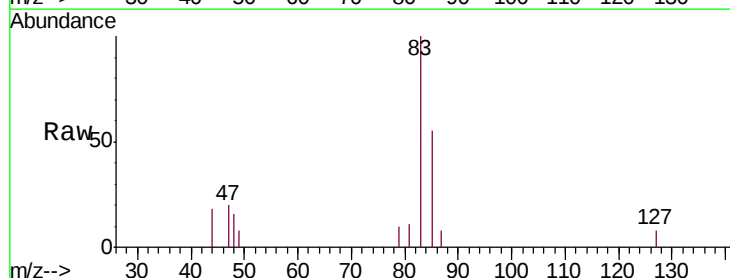
Tgt Ion: 83 Resp: 2688

Ion Ratio Lower Upper

83 100

85 54.9 43.8 81.4

127 8.1 6.4 9.6



Abundance Ion 82.95 (82.65 to 83.65): VU027896.D (-1644) (-)

Ion 85.00 (84.70 to 85.70): VU027896.D (-1644) (-)

Ion 126.90 (126.60 to 127.60): VU027896.D (-1644) (-)

6.76

2000

1500

1000

500

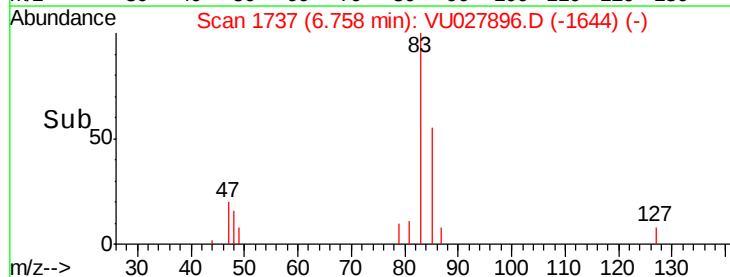
0

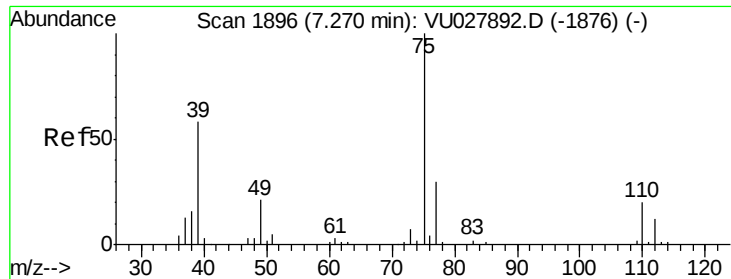
6.70

6.75

6.80

Time-->

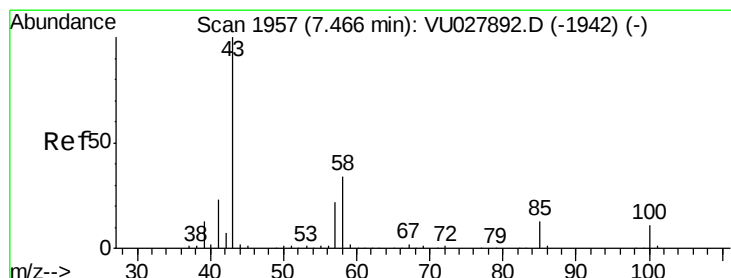
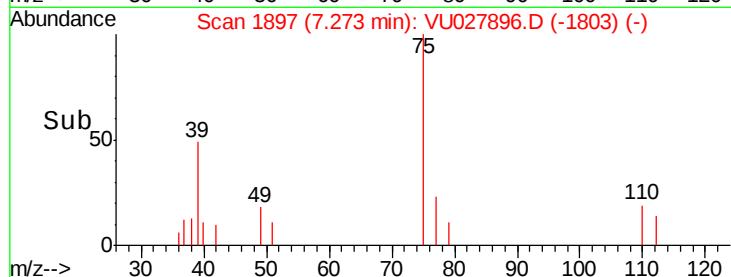
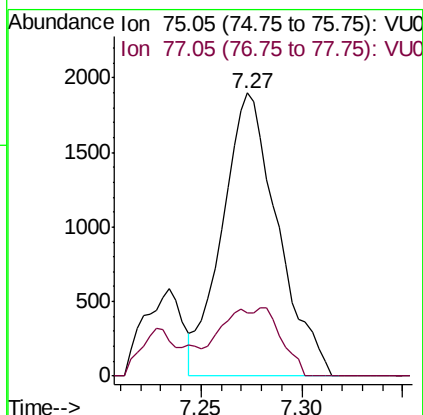
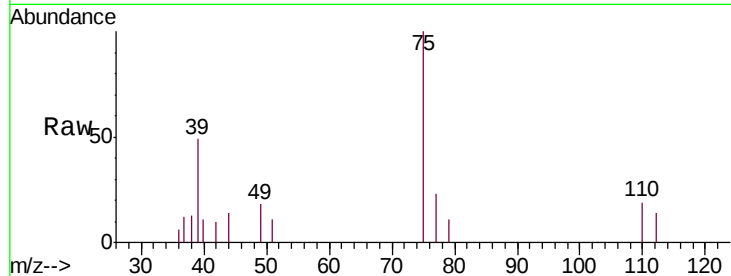




#39
 cis-1,3-Dichloropropene
 Concen: 0.363 ug/L
 RT: 7.27 min Scan# 1897
 Delta R.T. 0.00 min
 Lab File: VU027896.D
 Acq: 01 Nov 2018 11:36

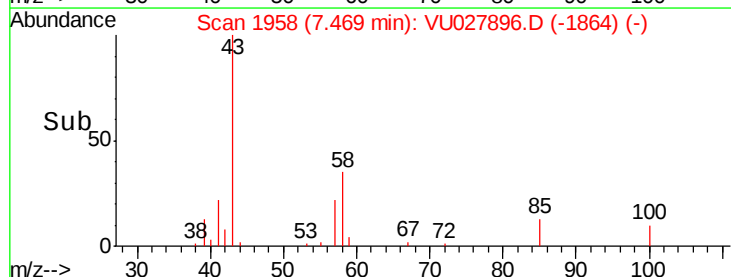
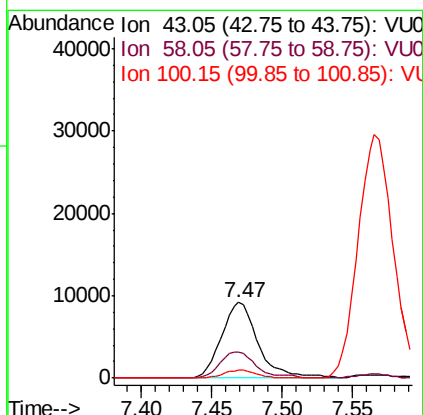
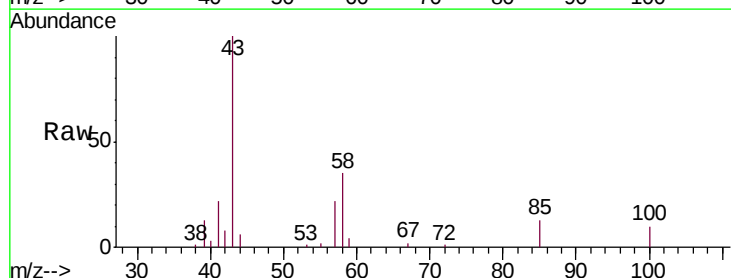
Instrument :
 MSVOA_U
 ClientSampleId :
 MDL03

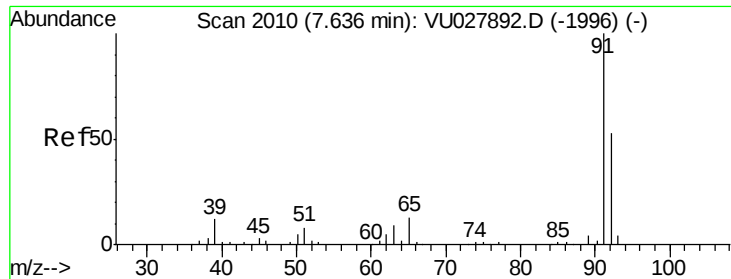
Tgt Ion: 75 Resp: 3638
 Ion Ratio Lower Upper
 75 100
 77 22.6 22.2 41.2



#40
 4-Methyl-2-pentanone
 Concen: 3.360 ug/L
 RT: 7.47 min Scan# 1958
 Delta R.T. 0.00 min
 Lab File: VU027896.D
 Acq: 01 Nov 2018 11:36

Tgt Ion: 43 Resp: 16615
 Ion Ratio Lower Upper
 43 100
 58 34.5 28.5 42.7
 100 9.5 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: VU027896.D

Acq: 01 Nov 2018 11:36

Instrument :

MSVOA_U

ClientSampleId :

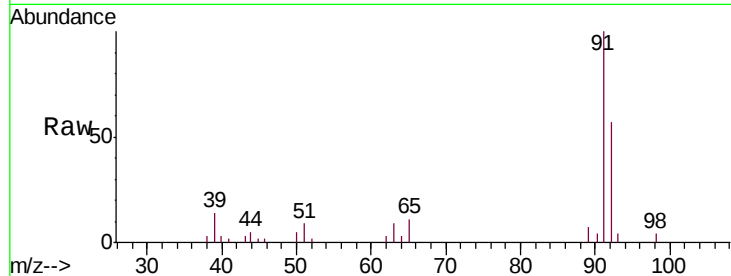
MDL03

Tgt Ion: 91 Resp: 8948

Ion Ratio Lower Upper

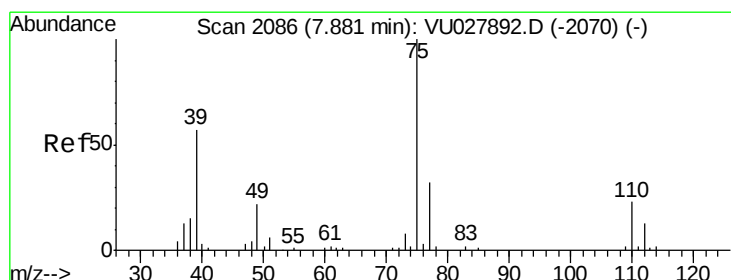
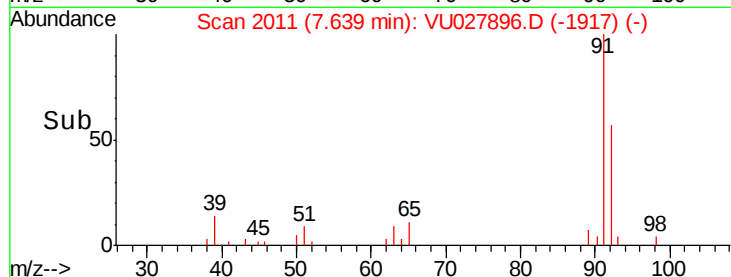
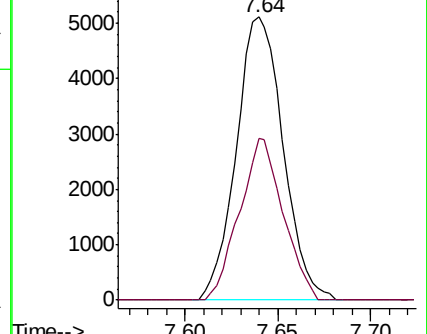
91 100

92 57.2 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: 0.376 ug/L

RT: 7.88 min Scan# 2086

Delta R.T. -0.00 min

Lab File: VU027896.D

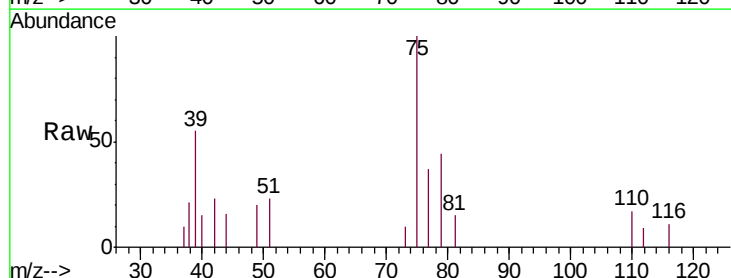
Acq: 01 Nov 2018 11:36

Tgt Ion: 75 Resp: 3236

Ion Ratio Lower Upper

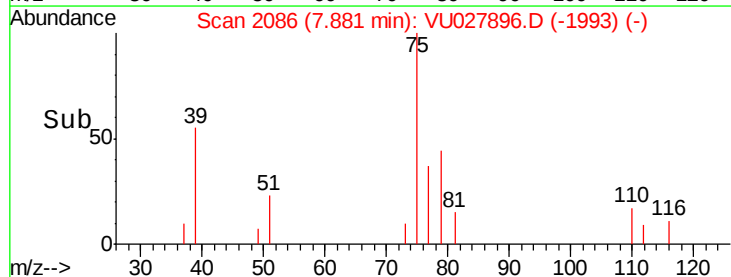
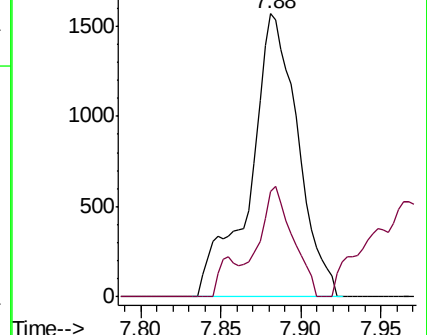
75 100

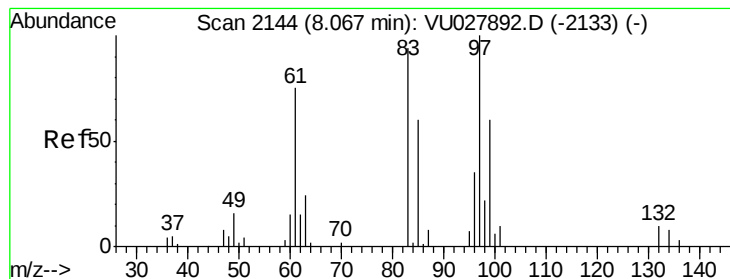
77 37.1 20.5 38.1



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: 0.336 ug/L

RT: 8.08 min Scan# 2147

Delta R.T. 0.01 min

Lab File: VU027896.D

Acq: 01 Nov 2018 11:36

Instrument :

MSVOA_U

ClientSampleId :

MDL03

Tgt Ion: 97 Resp: 1447

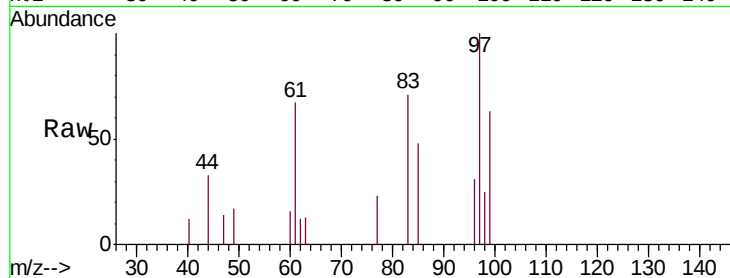
Ion Ratio Lower Upper

97 100

99 63.0 42.9 79.7

83 70.5 62.2 115.6

85 48.0 40.2 74.6

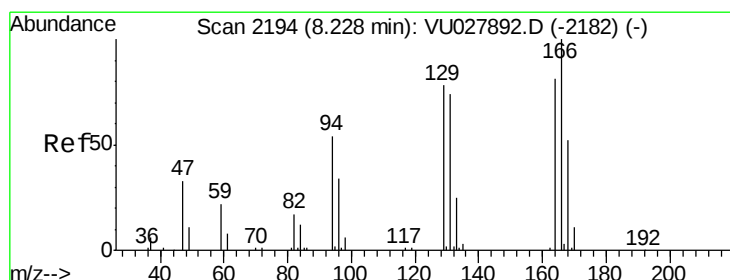
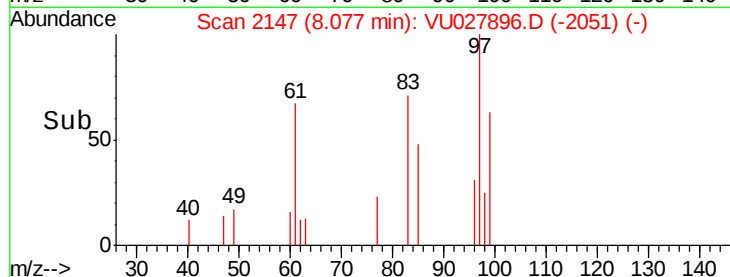
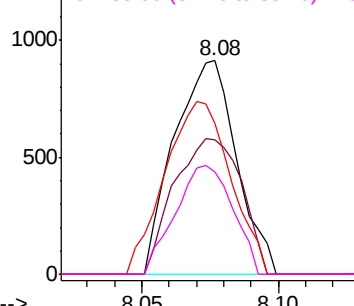


Abundance Ion 96.95 (96.65 to 97.65): VU0

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: 0.367 ug/L

RT: 8.23 min Scan# 2195

Delta R.T. 0.00 min

Lab File: VU027896.D

Acq: 01 Nov 2018 11:36

Tgt Ion: 164 Resp: 1802

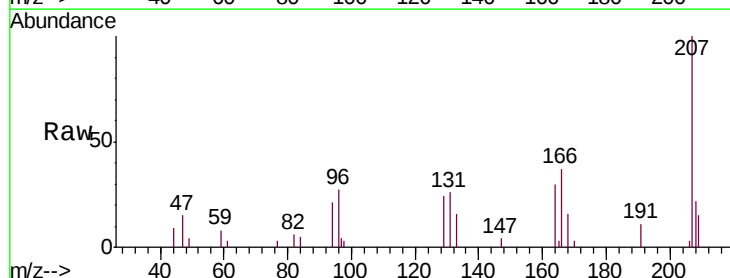
Ion Ratio Lower Upper

164 100

129 82.7 64.9 120.5

131 86.6 64.3 119.5

166 124.9 91.8 170.4

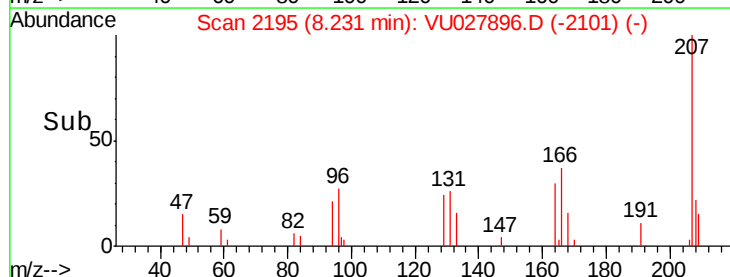
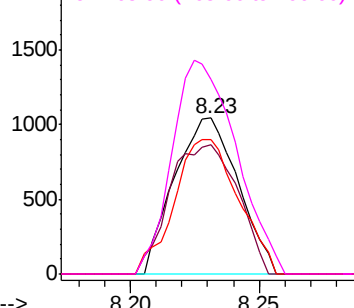


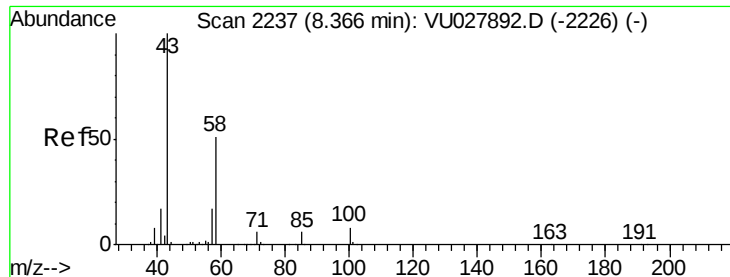
Abundance Ion 163.90 (163.60 to 164.60): V

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

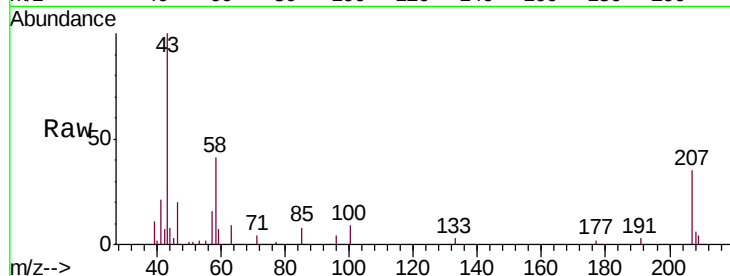




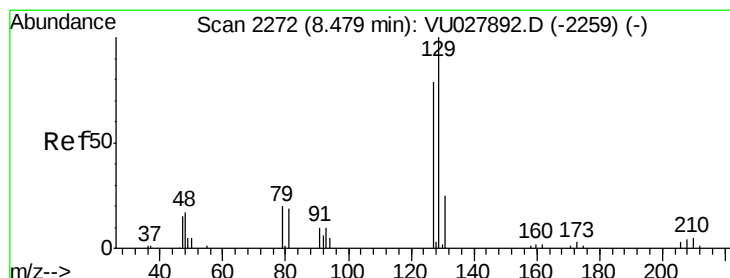
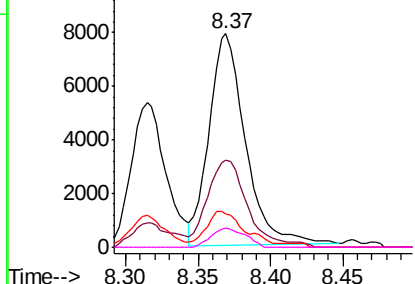
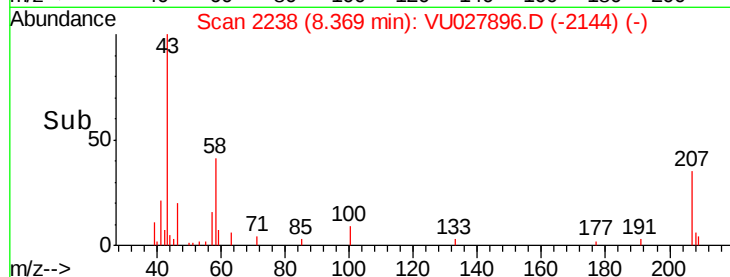
#48
2-Hexanone
Concen: 3.868 ug/L
RT: 8.37 min Scan# 2238
Delta R.T. 0.00 min
Lab File: VU027896.D
Acq: 01 Nov 2018 11:36

Instrument :
MSVOA_U
ClientSampleId :
MDL03

Tgt Ion: 43 Resp: 13791
Ion Ratio Lower Upper
43 100
58 45.1 38.9 58.3
57 17.8 13.3 19.9
100 8.3 6.6 10.0

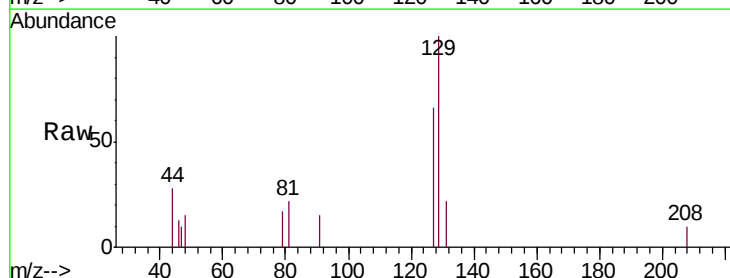


Abundance Ion 43.05 (42.75 to 43.75): VU0
Ion 58.05 (57.75 to 58.75): VU0
Ion 57.20 (56.90 to 57.90): VU0
Ion 100.15 (99.85 to 100.85): VU0

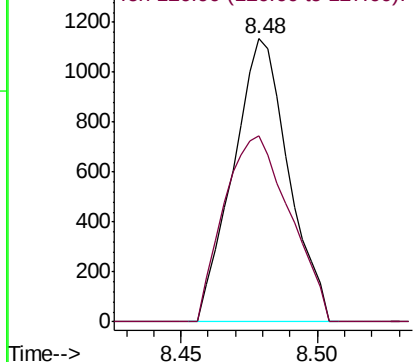
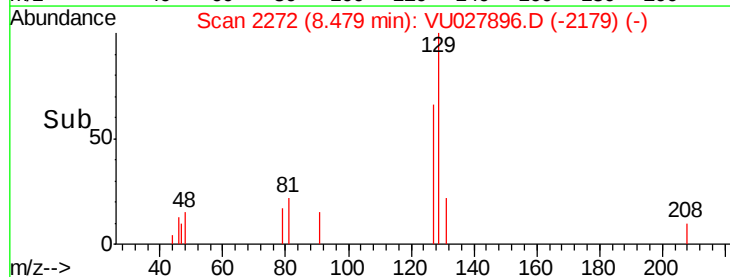


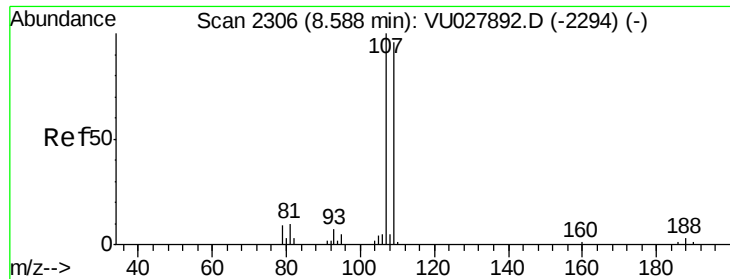
#49
Dibromochloromethane
Concen: 0.307 ug/L
RT: 8.48 min Scan# 2272
Delta R.T. -0.00 min
Lab File: VU027896.D
Acq: 01 Nov 2018 11:36

Tgt Ion: 129 Resp: 1598
Ion Ratio Lower Upper
129 100
127 65.6 54.5 101.1



Abundance Ion 128.95 (128.65 to 129.65): V
Ion 126.90 (126.60 to 127.60): V

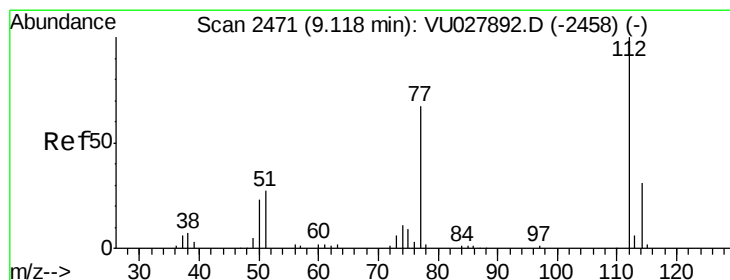
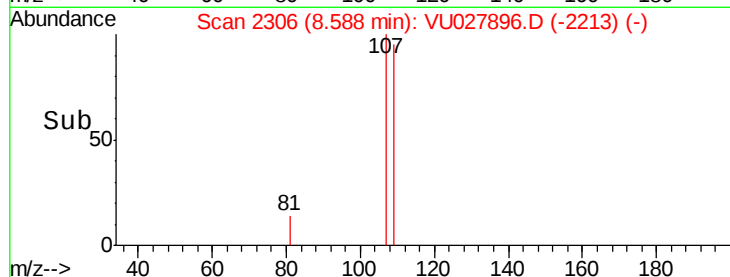
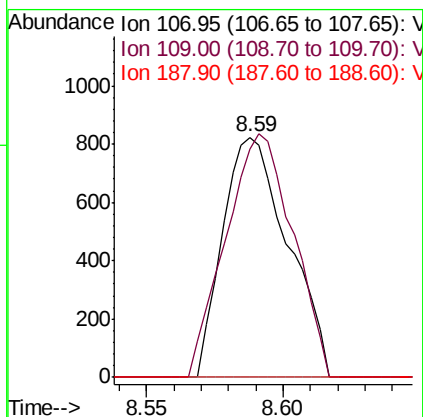
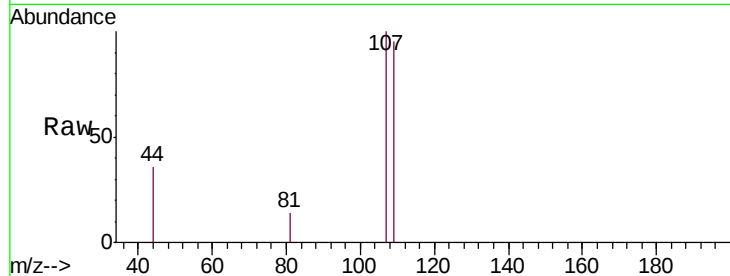




#50
1,2-Dibromoethane
Concen: 0.332 ug/L
RT: 8.59 min Scan# 2306
Delta R.T. -0.00 min
Lab File: VU027896.D
Acq: 01 Nov 2018 11:36

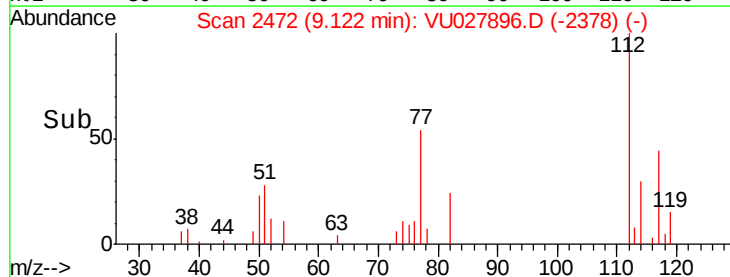
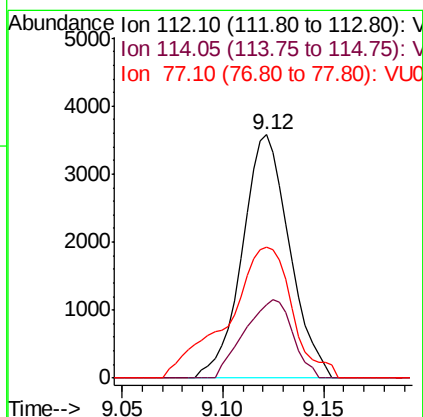
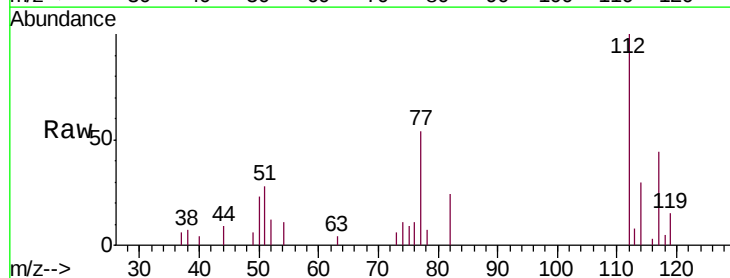
Instrument :
MSVOA_U
ClientSampled :
MDL03

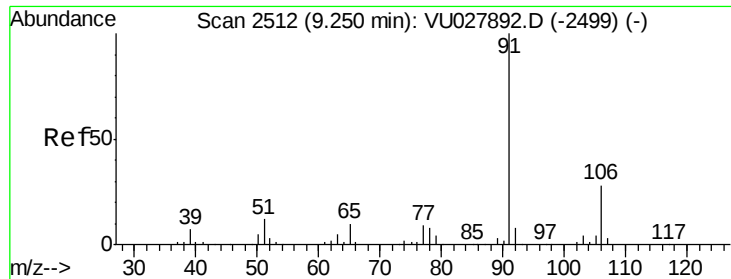
Tgt Ion:107 Resp: 1368
Ion Ratio Lower Upper
107 100
109 95.4 68.0 126.4
188 0.0 2.7 4.1#



#51
Chlorobenzene
Concen: 0.368 ug/L
RT: 9.12 min Scan# 2472
Delta R.T. 0.00 min
Lab File: VU027896.D
Acq: 01 Nov 2018 11:36

Tgt Ion:112 Resp: 5868
Ion Ratio Lower Upper
112 100
114 30.3 22.0 41.0
77 54.0 54.3 81.5#





#52

Ethylbenzene

Concen: 0.356 ug/L

RT: 9.25 min Scan# 2512

Delta R.T. -0.00 min

Lab File: VU027896.D

Acq: 01 Nov 2018 11:36

Instrument :

MSVOA_U

ClientSampleId :

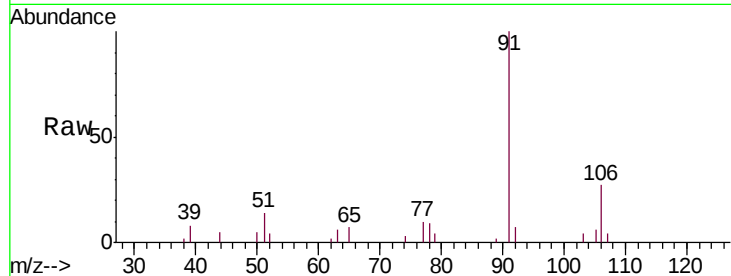
MDL03

Tgt Ion: 91 Resp: 10429

Ion Ratio Lower Upper

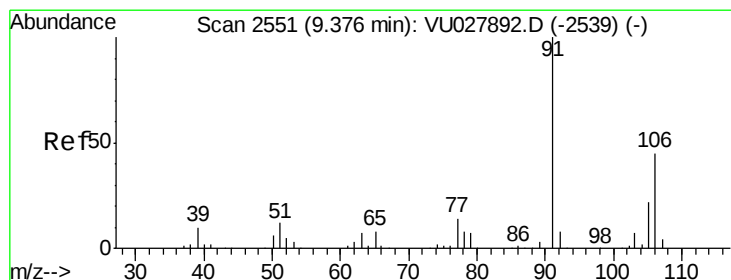
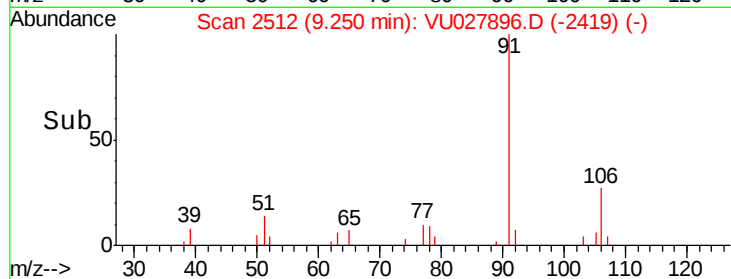
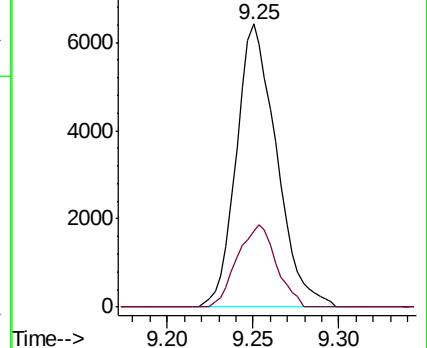
91 100

106 26.7 21.5 39.9



Abundance Ion 91.15 (90.85 to 91.85): VU0

Ion 106.15 (105.85 to 106.85): V



#53

m,p-xylene

Concen: 0.300 ug/L

RT: 9.38 min Scan# 2551

Delta R.T. -0.00 min

Lab File: VU027896.D

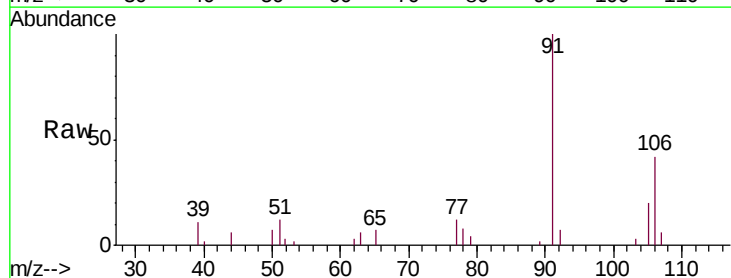
Acq: 01 Nov 2018 11:36

Tgt Ion: 106 Resp: 3191

Ion Ratio Lower Upper

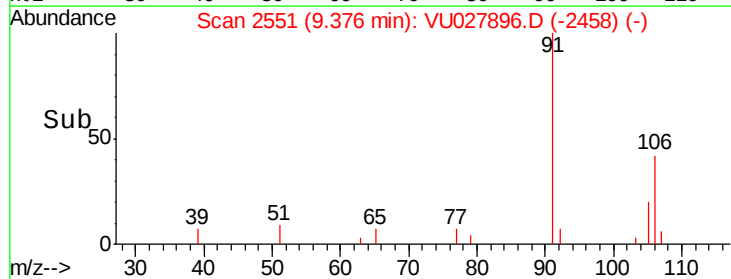
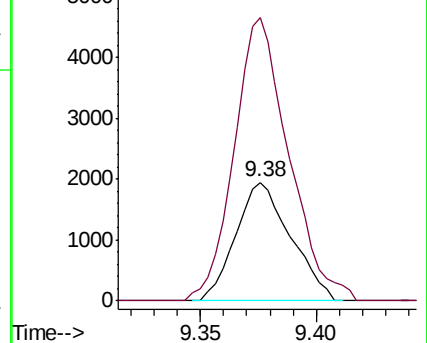
106 100

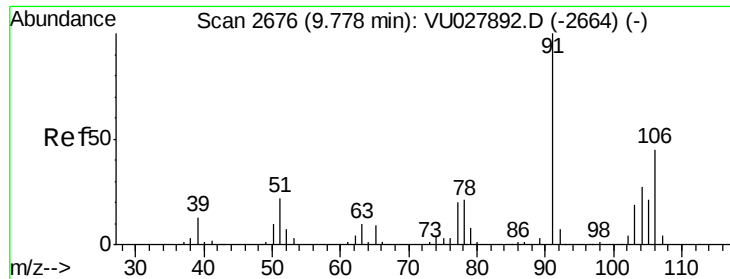
91 238.6 148.7 276.1



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VU0

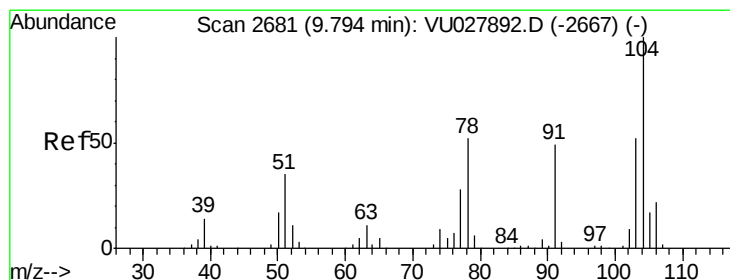
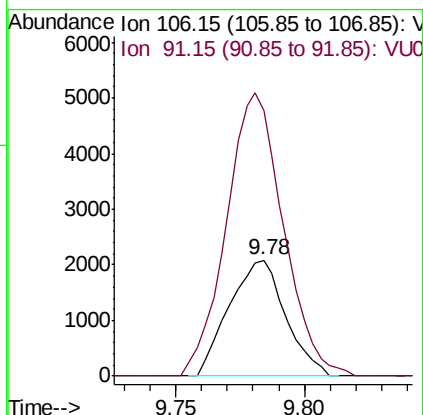
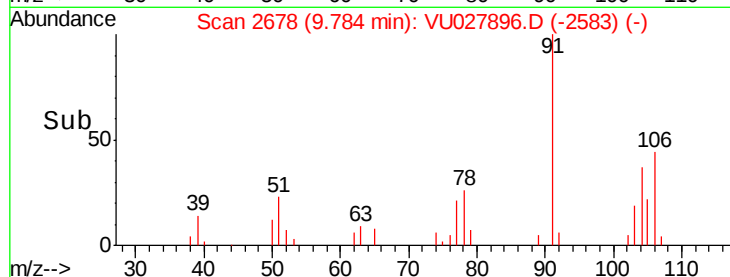
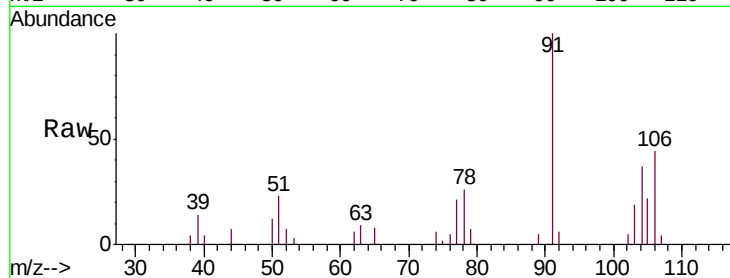




#54
o-xylene
Concen: 0.304 ug/L
RT: 9.78 min Scan# 2678
Delta R.T. 0.01 min
Lab File: VU027896.D
Acq: 01 Nov 2018 11:36

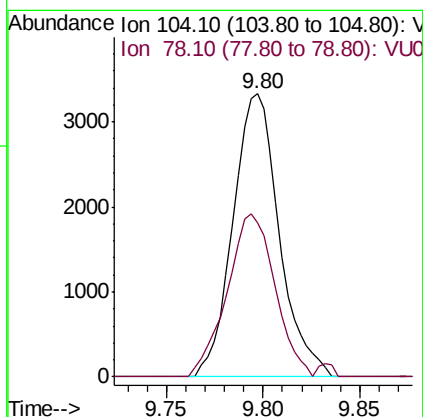
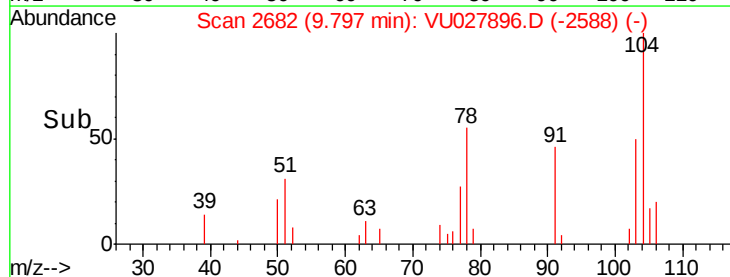
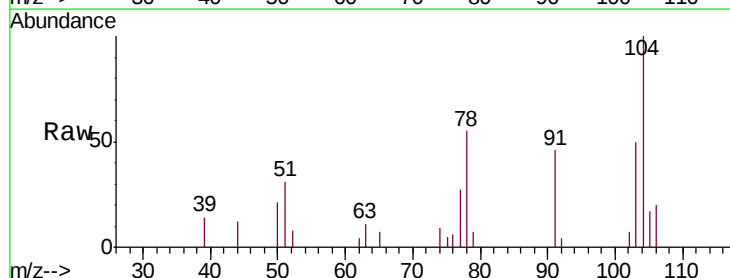
Instrument :
MSVOA_U
ClientSampleId :
MDL03

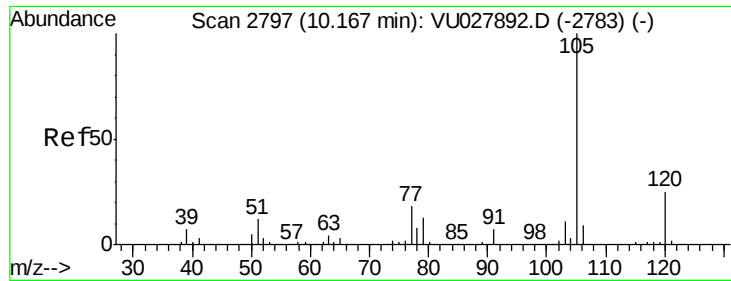
Tgt Ion:106 Resp: 3177
Ion Ratio Lower Upper
106 100
91 228.4 158.3 293.9



#55
Styrene
Concen: 0.317 ug/L
RT: 9.80 min Scan# 2682
Delta R.T. 0.00 min
Lab File: VU027896.D
Acq: 01 Nov 2018 11:36

Tgt Ion:104 Resp: 5545
Ion Ratio Lower Upper
104 100
78 54.5 35.6 66.0





#56

Isopropylbenzene

Concen: 0.335 ug/L

RT: 10.17 min Scan# 2797

Delta R.T. -0.00 min

Lab File: VU027896.D

Acq: 01 Nov 2018 11:36

Instrument :

MSVOA_U

ClientSampleId :

MDL03

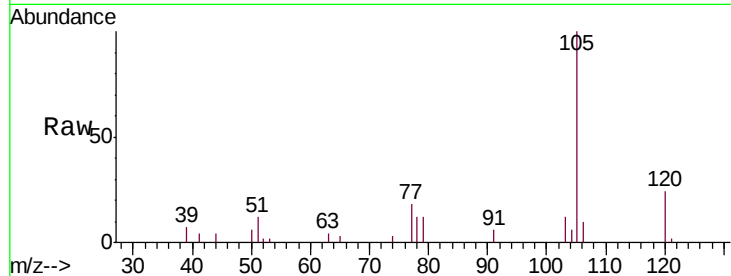
Tgt Ion: 105 Resp: 9516

Ion Ratio Lower Upper

105 100

120 24.1 20.2 30.2

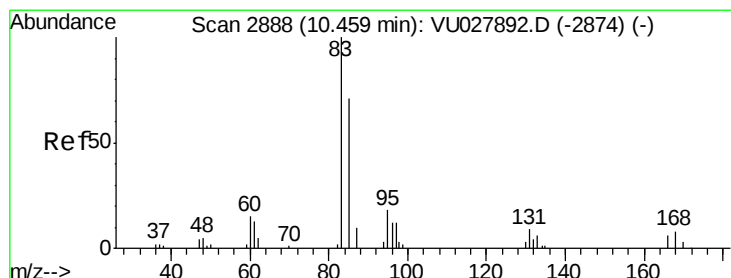
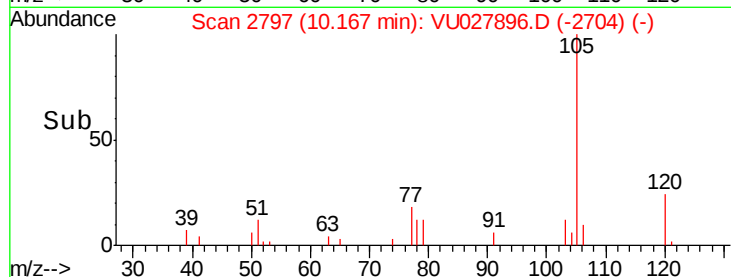
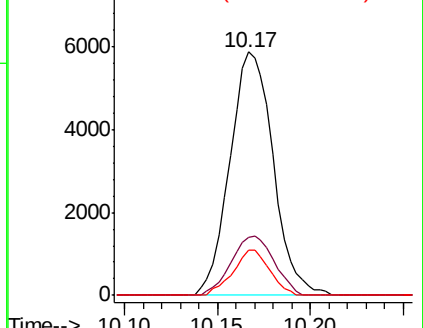
77 15.6 13.4 20.2



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: 0.356 ug/L

RT: 10.46 min Scan# 2888

Delta R.T. -0.00 min

Lab File: VU027896.D

Acq: 01 Nov 2018 11:36

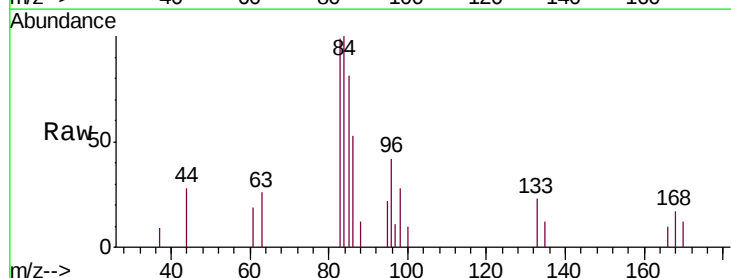
Tgt Ion: 83 Resp: 1998

Ion Ratio Lower Upper

83 100

85 82.3 44.4 82.4

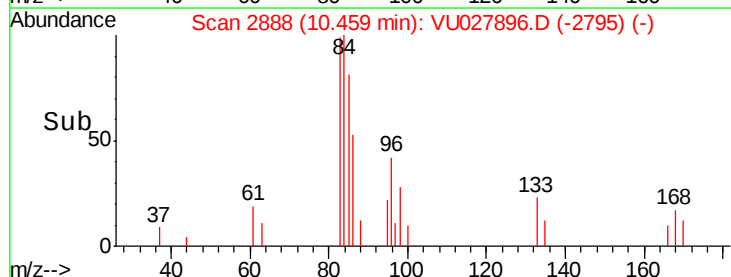
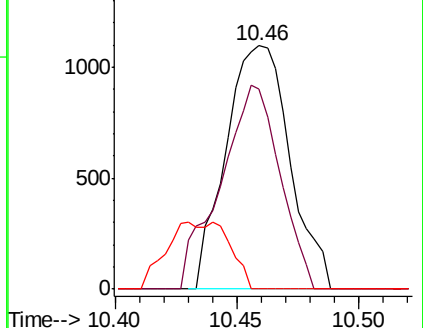
131 0.0 6.8 10.2#

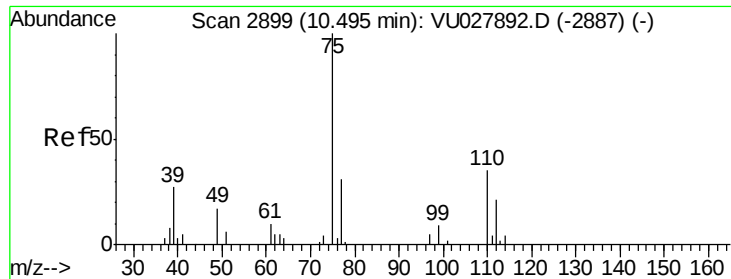


Abundance Ion 82.95 (82.65 to 83.65): V

Ion 85.00 (84.70 to 85.70): V

Ion 130.95 (130.65 to 131.65): V





#59

1,2,3-Trichloropropane

Concen: 1.370 ug/L

RT: 11.48 min Scan# 3206

Delta R.T. 0.99 min

Lab File: VU027896.D

Acq: 01 Nov 2018 11:36

Instrument :

MSVOA_U

ClientSampleId :

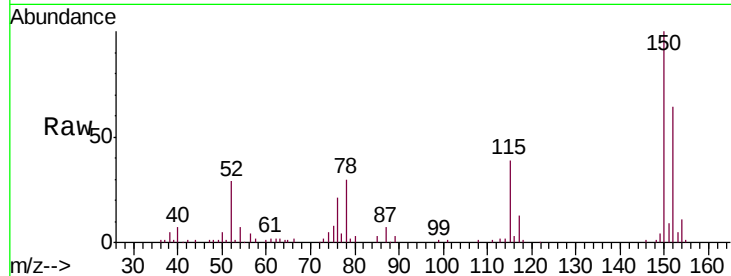
MDL03

Tgt Ion: 75 Resp: 5812

Ion Ratio Lower Upper

75 100

77 33.3 25.8 38.6



Abundance Ion 75.00 (74.70 to 75.70): VU027896.D (-2277) (-)

Ion 77.00 (76.70 to 77.70): VU027896.D (-2277) (-)

11.48

3000

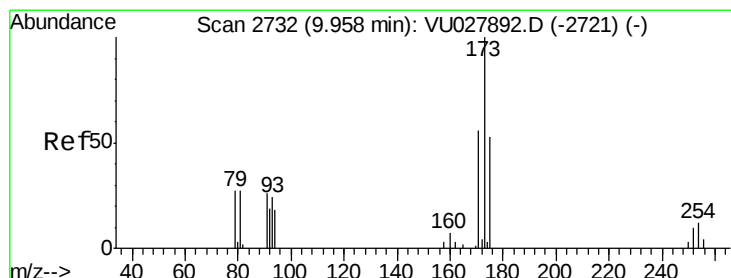
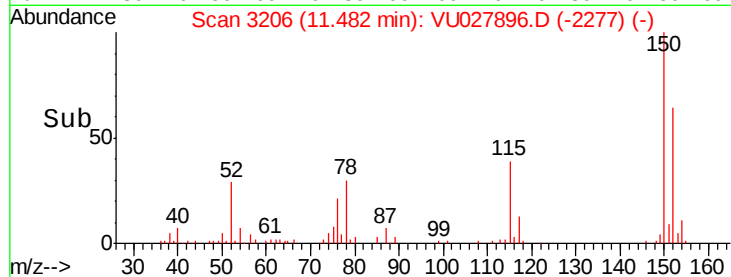
2000

1000

0

11.45 11.50 11.55

Time-->



#61

Bromoform

Concen: 0.309 ug/L

RT: 9.96 min Scan# 2732

Delta R.T. -0.00 min

Lab File: VU027896.D

Acq: 01 Nov 2018 11:36

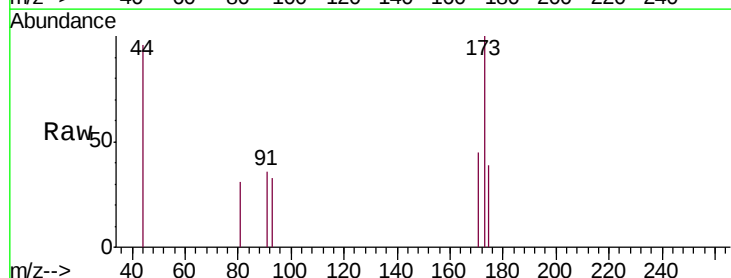
Tgt Ion: 173 Resp: 818

Ion Ratio Lower Upper

173 100

175 36.2 38.3 57.5#

254 0.0 7.8 11.6#



Abundance Ion 172.90 (172.60 to 173.60): VU027896.D (-2639) (-)

Ion 174.90 (174.60 to 175.60): VU027896.D (-2639) (-)

Ion 253.75 (253.45 to 254.45): VU027896.D (-2639) (-)

9.96

500

400

300

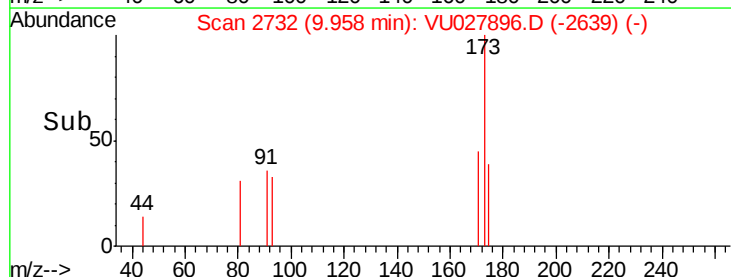
200

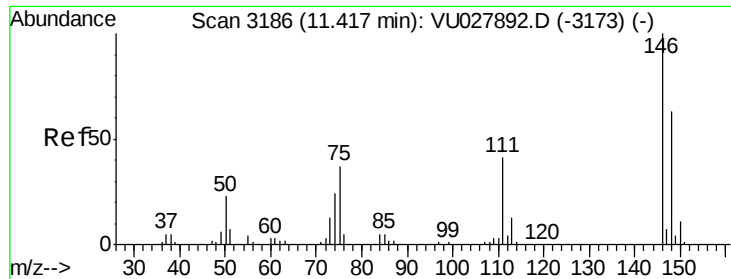
100

0

9.95 10.00

Time-->





#62

1,3-Dichlorobenzene

Concen: 0.362 ug/L

RT: 11.42 min Scan# 3186

Delta R.T. -0.00 min

Lab File: VU027896.D

Acq: 01 Nov 2018 11:36

Instrument :

MSVOA_U

ClientSampleId :

MDL03

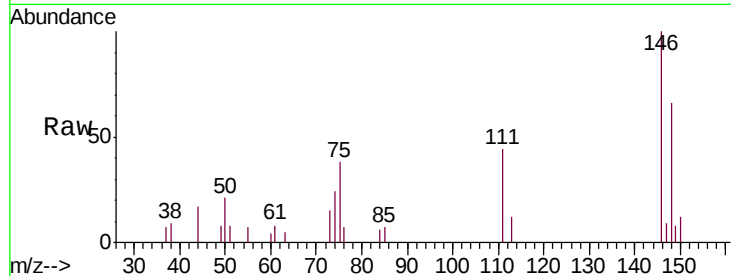
Tgt Ion:146 Resp: 4200

Ion Ratio Lower Upper

146 100

111 44.3 27.4 51.0

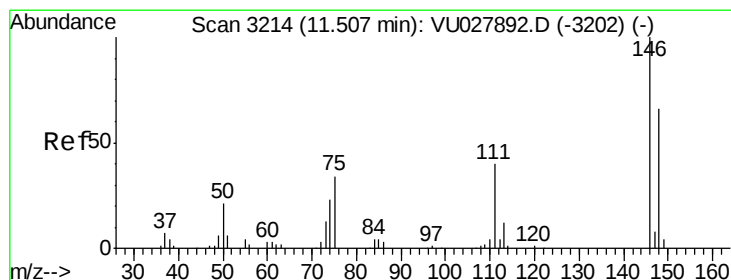
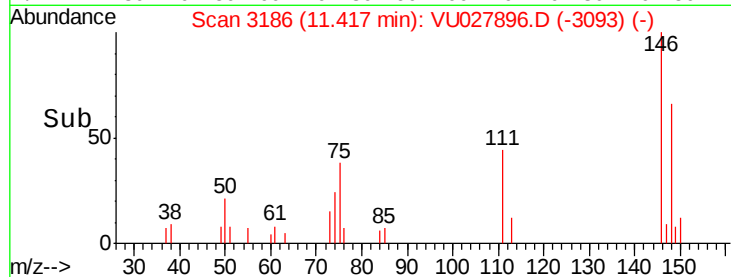
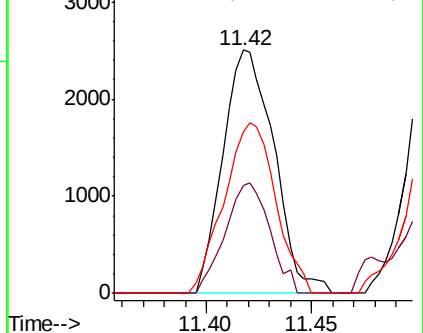
148 66.3 42.6 79.0



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: 0.391 ug/L

RT: 11.51 min Scan# 3214

Delta R.T. -0.00 min

Lab File: VU027896.D

Acq: 01 Nov 2018 11:36

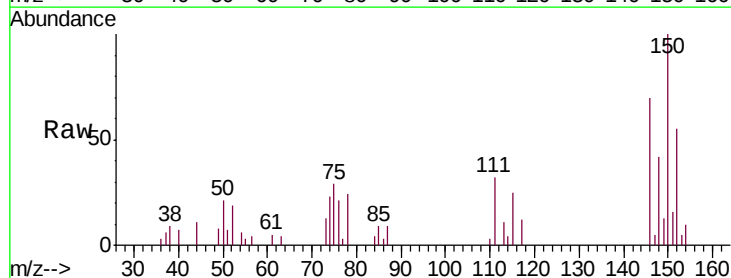
Tgt Ion:146 Resp: 4532

Ion Ratio Lower Upper

146 100

111 45.8 27.4 51.0

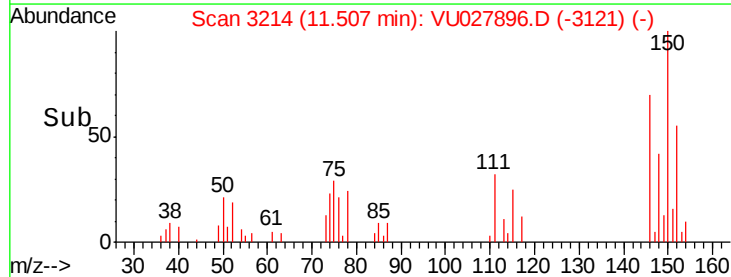
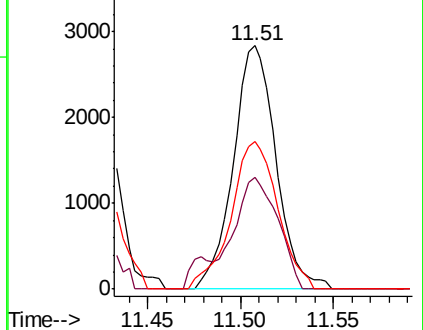
148 60.4 43.1 80.1

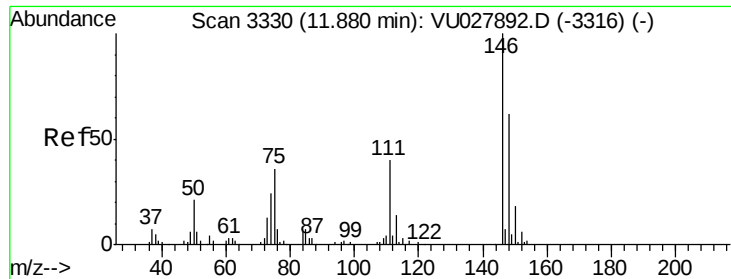


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

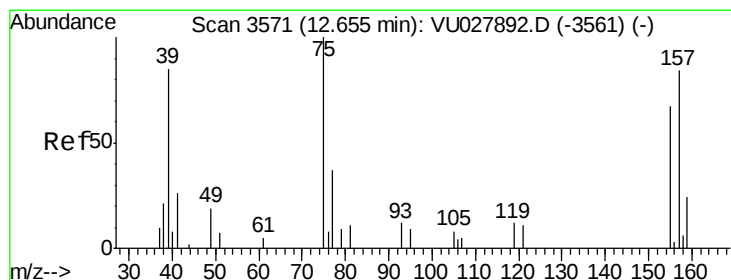
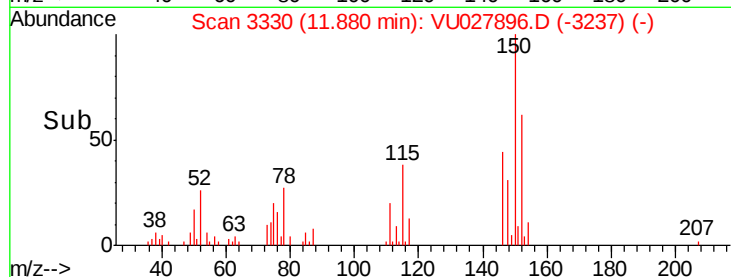
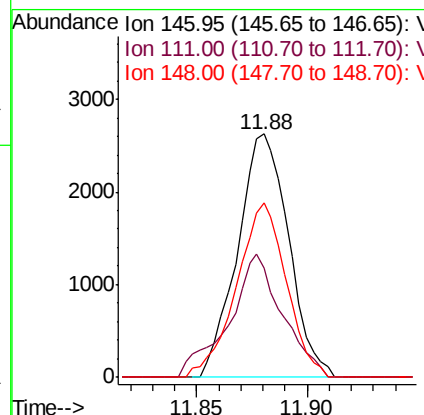
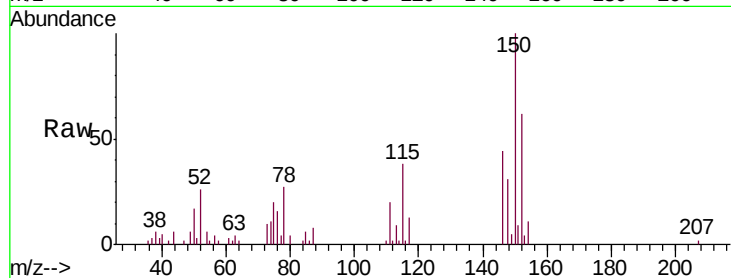




#65
 1,2-Dichlorobenzene
 Concen: 0.386 ug/L
 RT: 11.88 min Scan# 3330
 Delta R.T. -0.00 min
 Lab File: VU027896.D
 Acq: 01 Nov 2018 11:36

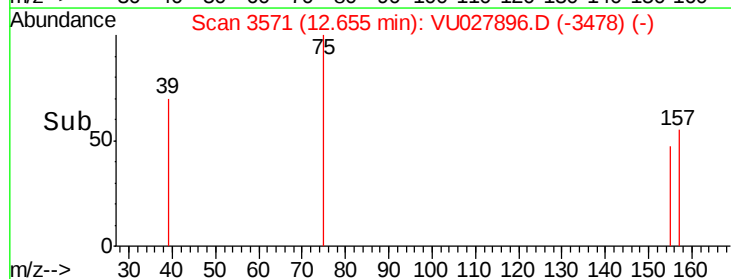
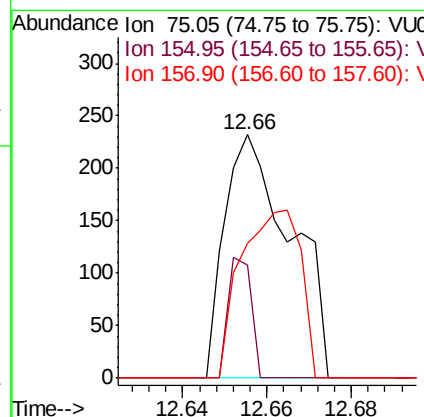
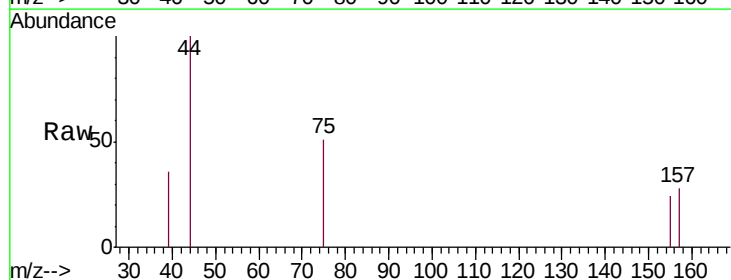
Instrument :
 MSVOA_U
 ClientSampleId :
 MDL03

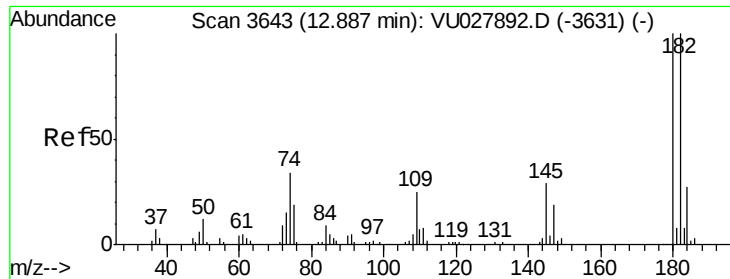
Tgt Ion: 146 Resp: 4230
 Ion Ratio Lower Upper
 146 100
 111 44.8 33.0 49.4
 148 71.7 49.2 73.8



#66
 1,2-Dibromo-3-chloropropane
 Concen: 0.293 ug/L
 RT: 12.66 min Scan# 3571
 Delta R.T. -0.00 min
 Lab File: VU027896.D
 Acq: 01 Nov 2018 11:36

Tgt Ion: 75 Resp: 251
 Ion Ratio Lower Upper
 75 100
 155 46.6 58.6 87.8#
 157 55.2 66.7 100.1#





#67

1,3,5-Trichlorobenzene

Concen: 0.336 ug/L

RT: 12.89 min Scan# 3644

Delta R.T. 0.00 min

Lab File: VU027896.D

Acq: 01 Nov 2018 11:36

Instrument :

MSVOA_U

ClientSampleId :

MDL03

Tgt Ion:180 Resp: 3135

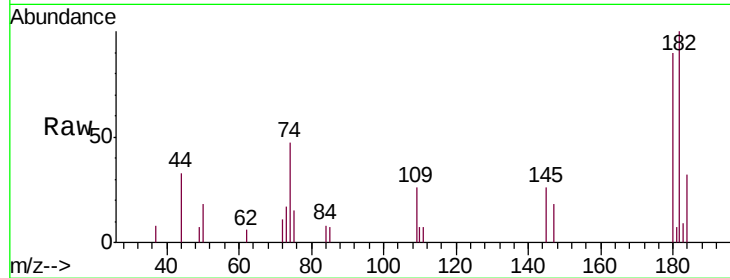
Ion Ratio Lower Upper

180 100

182 106.1 77.3 115.9

184 34.6 24.6 37.0

145 29.0 23.0 34.6



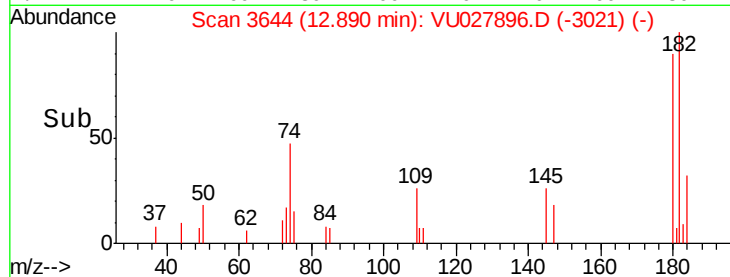
Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 184.00 (183.70 to 184.70): V

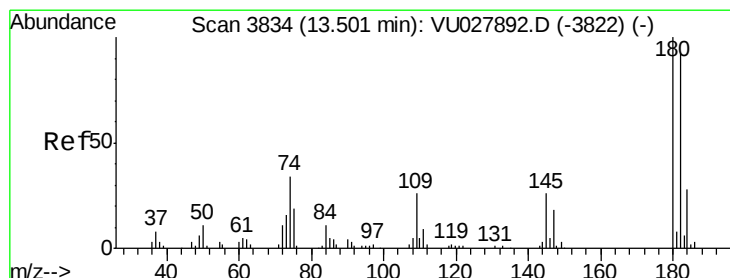
Ion 145.00 (144.70 to 145.70): V

Time-->



12.89

Time-->



#68

1,2,4-trichlorobenzene

Concen: 0.344 ug/L

RT: 13.51 min Scan# 3837

Delta R.T. 0.01 min

Lab File: VU027896.D

Acq: 01 Nov 2018 11:36

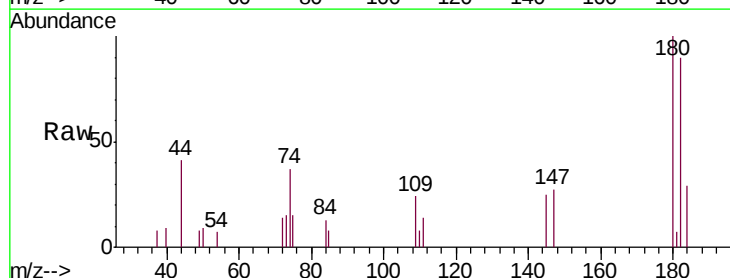
Tgt Ion:180 Resp: 2726

Ion Ratio Lower Upper

180 100

182 94.7 77.8 116.6

145 24.9 22.9 34.3

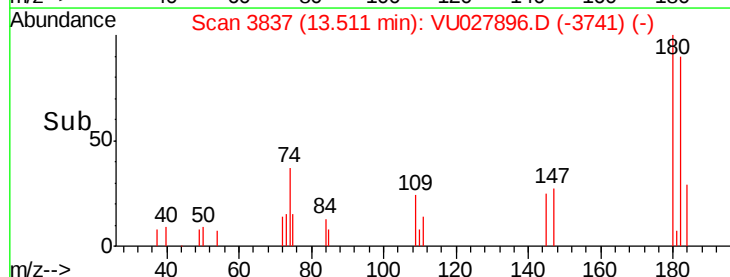


Abundance Ion 179.90 (179.60 to 180.60): V

Ion 182.00 (181.70 to 182.70): V

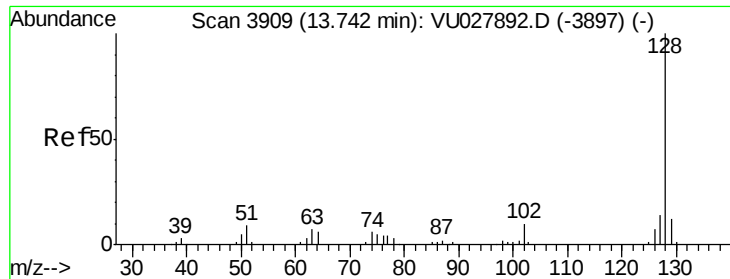
Ion 144.95 (144.65 to 145.65): V

Time-->



13.51

Time-->



#69

Naphthalene

Concen: 0.295 ug/L

RT: 13.75 min Scan# 3912

Delta R.T. 0.01 min

Lab File: VU027896.D

Acq: 01 Nov 2018 11:36

Instrument :

MSVOA_U

ClientSampleId :

MDL03

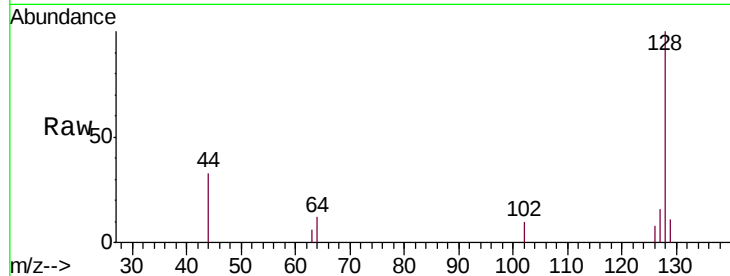
Tgt Ion:128 Resp: 3634

Ion Ratio Lower Upper

128 100

129 5.4 8.6 12.8#

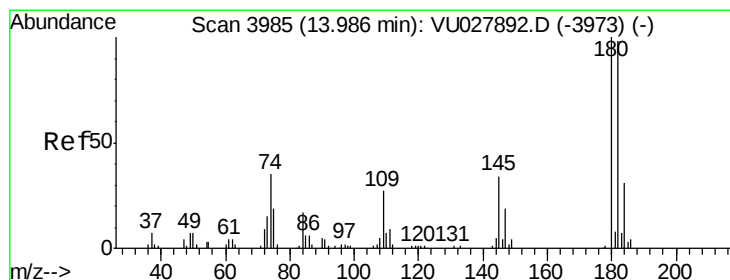
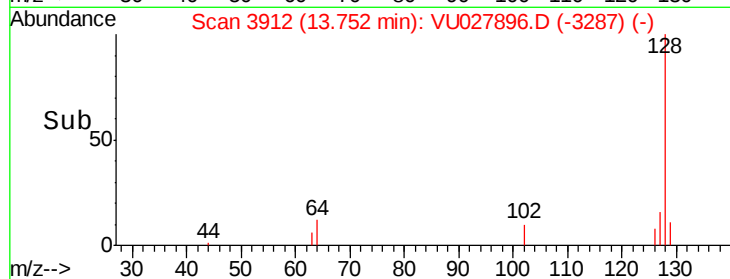
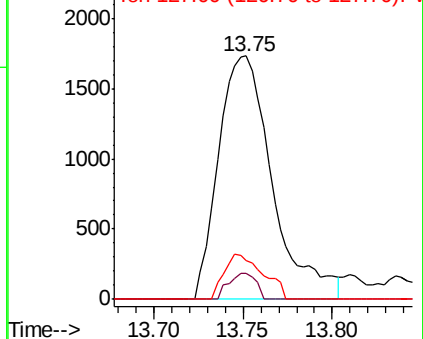
127 13.4 10.5 15.7



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: 0.375 ug/L

RT: 13.99 min Scan# 3986

Delta R.T. 0.00 min

Lab File: VU027896.D

Acq: 01 Nov 2018 11:36

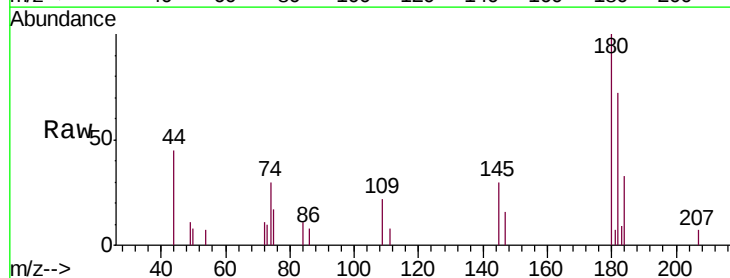
Tgt Ion:180 Resp: 2711

Ion Ratio Lower Upper

180 100

182 86.5 79.4 119.0

145 26.6 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

