

Data File : VU027900.D
Acq On : 01 Nov 2018 13:11
Operator : MD/SY
Sample : MDL07
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
MDL07

Quant Time: Nov 02 08:08:42 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	83070	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	79842	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	40723	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	23568	3.63	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	72.60%
7) Chloroethane-d5	1.68	69	18316	3.66	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	73.20%
11) 1,1-Dichloroethene-d2	2.28	63	36820	2.99	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	59.80%#
20) 2-Butanone-d5	4.20	46	84633	43.71	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	87.42%
24) Chloroform-d	4.65	84	43737	3.75	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	75.00%
26) 1,2-Dichloroethane-d4	5.31	65	30859	4.60	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	92.00%
32) Benzene-d6	5.34	84	86536	3.96	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	79.20%
36) 1,2-Dichloropropane-d6	6.33	67	30994	4.00	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	80.00%
41) Toluene-d8	7.57	98	79230	3.81	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	76.20%
43) trans-1,3-Dichloropropene-	7.85	79	11380	3.80	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	76.00%
46) 2-Hexanone-d5	8.31	63	67472	41.18	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	82.36%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	22367	4.08	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	81.60%
64) 1,2-Dichlorobenzene-d4	11.86	152	30493	3.91	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	78.20%#

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.21	85	2405	0.294 ug/L	93
3) Chloromethane	1.33	50	2079	0.256 ug/L	91
5) Vinyl chloride	1.40	62	2291	0.284 ug/L	88
6) Bromomethane	1.63	94	660	0.249 ug/L #	66
8) Chloroethane	1.70	64	2190	0.463 ug/L #	71
9) Trichlorofluoromethane	1.89	101	3154	0.294 ug/L	98
10) 1,1,2-Trichloro-1,2,2-trif	2.29	101	1678	0.307 ug/L	93
12) 1,1-Dichloroethene	2.29	96	1671	0.324 ug/L #	1
13) Acetone	2.32	43	3997	3.275 ug/L	76
14) Carbon disulfide	2.48	76	4601	0.250 ug/L #	90
15) Methyl Acetate	2.62	43	1447	0.443 ug/L #	58
16) Methylene chloride	2.70	84	1808	0.312 ug/L	96
17) Methyl tert-butyl Ether	3.01	73	4211	0.274 ug/L	94
18) trans-1,2-Dichloroethene	2.98	96	1658	0.302 ug/L	85
19) 1,1-Dichloroethane	3.45	63	3174	0.274 ug/L #	82
21) 2-Butanone	4.29	43	5921	2.790 ug/L	91
22) cis-1,2-Dichloroethene	4.23	96	1598	0.252 ug/L	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

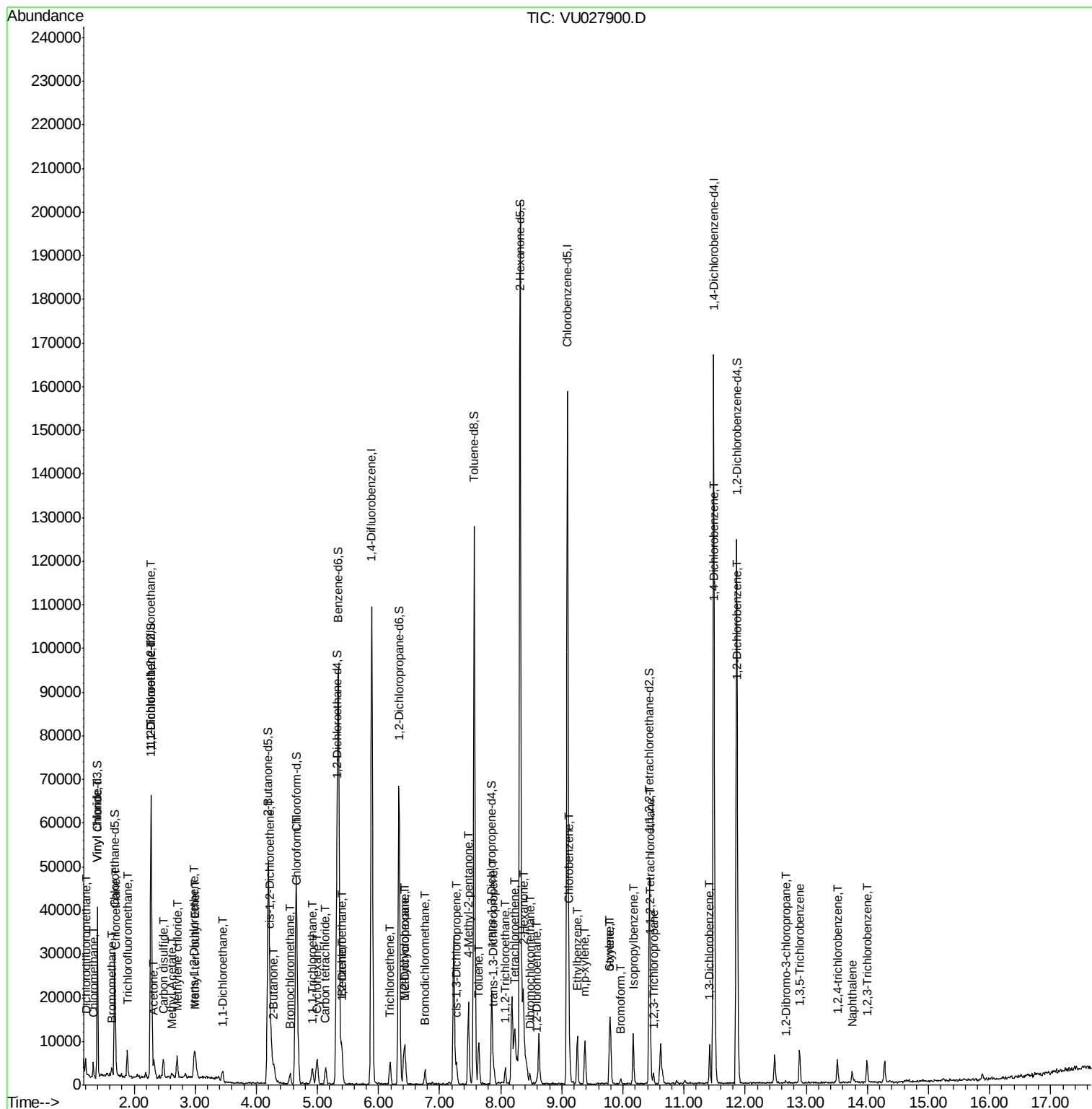
23) Bromochloromethane	4.55	128	681	0.259	ug/L #	91
25) Chloroform	4.67	83	7746	0.660	ug/L	98
27) 1,2-Dichloroethane	5.41	62	2611	0.319	ug/L	98
29) 1,1,1-Trichloroethane	4.92	97	2737	0.266	ug/L	96
30) Cyclohexane	4.99	56	3204	0.265	ug/L	98
31) Carbon tetrachloride	5.13	117	2390	0.270	ug/L	93
33) Benzene	5.39	78	6763	0.267	ug/L	100
34) Trichloroethene	6.19	95	1679	0.255	ug/L	80
35) Methylcyclohexane	6.41	83	3102	0.277	ug/L	92
37) 1,2-Dichloropropane	6.43	63	2079	0.289	ug/L #	90
38) Bromodichloromethane	6.76	83	2443	0.290	ug/L #	99
39) cis-1,3-Dichloropropene	7.28	75	2641	0.256	ug/L	90
40) 4-Methyl-2-pentanone	7.47	43	13597	2.672	ug/L	98
42) Toluene	7.64	91	7187	0.272	ug/L	85
44) trans-1,3-Dichloropropene	7.88	75	2572	0.290	ug/L	96
45) 1,1,2-Trichloroethane	8.08	97	1033	0.233	ug/L #	66
47) Tetrachloroethene	8.23	164	1503	0.297	ug/L	88
48) 2-Hexanone	8.37	43	11278	3.074	ug/L #	93
49) Dibromochloromethane	8.48	129	1433	0.268	ug/L	94
50) 1,2-Dibromoethane	8.59	107	925	0.218	ug/L #	94
51) Chlorobenzene	9.12	112	4591	0.280	ug/L	91
52) Ethylbenzene	9.25	91	8019	0.266	ug/L	96
53) m,p-xylene	9.38	106	2682	0.245	ug/L	99
54) o-xylene	9.78	106	2408	0.224	ug/L	77
55) Styrene	9.79	104	4607	0.256	ug/L	88
56) Isopropylbenzene	10.17	105	7597	0.260	ug/L	98
58) 1,1,2,2-Tetrachloroethane	10.46	83	1525	0.264	ug/L #	96
59) 1,2,3-Trichloropropane	10.49	75	1132	0.259	ug/L	92
61) Bromoform	9.96	173	694	0.232	ug/L #	86
62) 1,3-Dichlorobenzene	11.42	146	3390	0.259	ug/L	98
63) 1,4-Dichlorobenzene	11.50	146	3446	0.263	ug/L	92
65) 1,2-Dichlorobenzene	11.88	146	3496	0.283	ug/L #	84
66) 1,2-Dibromo-3-chloropropan	12.66	75	190	0.196	ug/L #	10
67) 1,3,5-Trichlorobenzene	12.89	180	2629	0.249	ug/L #	96
68) 1,2,4-trichlorobenzene	13.51	180	1932	0.216	ug/L #	83
69) Naphthalene	13.75	128	3312	0.238	ug/L #	82
70) 1,2,3-Trichlorobenzene	13.99	180	2154	0.264	ug/L #	83

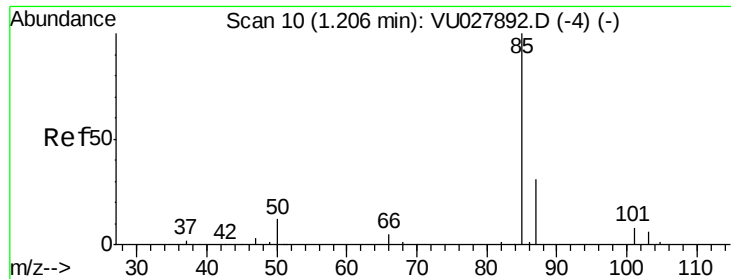
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 0.294 ug/L

RT: 1.21 min Scan# 10

Delta R.T. 0.00 min

Lab File: VU027900.D

Acq: 01 Nov 2018 13:11

Instrument :

MSVOA_U

ClientSampled :

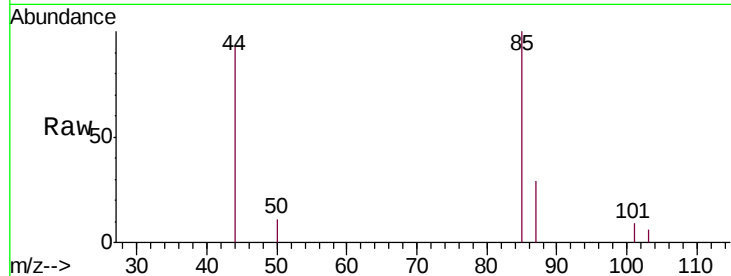
MDL07

Tgt Ion: 85 Resp: 2405

Ion Ratio Lower Upper

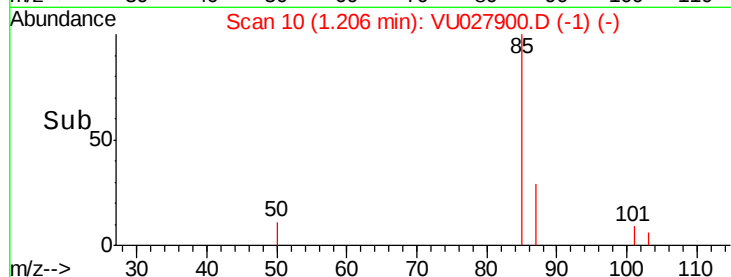
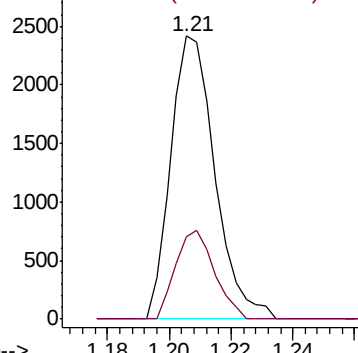
85 100

87 27.6 25.2 37.8

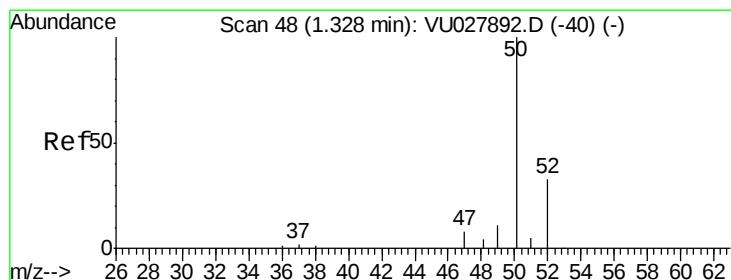


Abundance Ion 85.00 (84.70 to 85.70): VU0

Ion 87.00 (86.70 to 87.70): VU0



Time-->



#3

Chloromethane

Concen: 0.256 ug/L

RT: 1.33 min Scan# 49

Delta R.T. 0.00 min

Lab File: VU027900.D

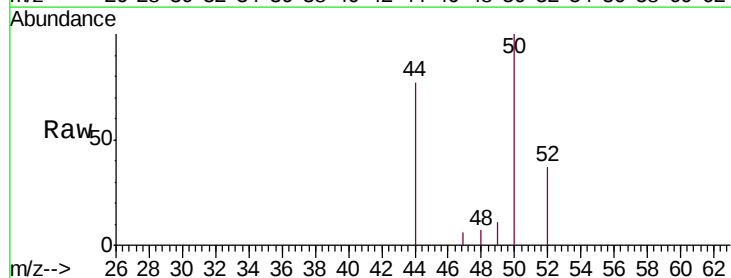
Acq: 01 Nov 2018 13:11

Tgt Ion: 50 Resp: 2079

Ion Ratio Lower Upper

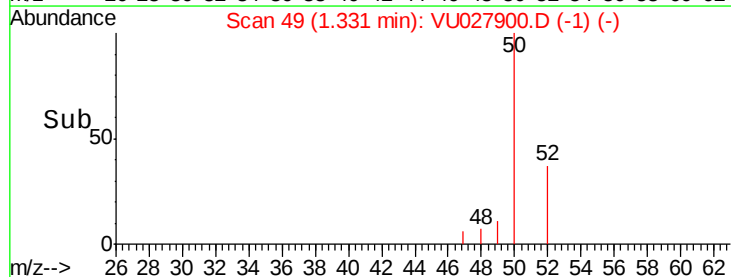
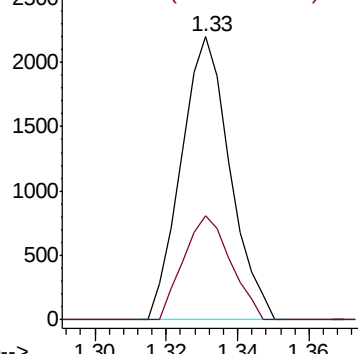
50 100

52 36.7 22.3 41.5

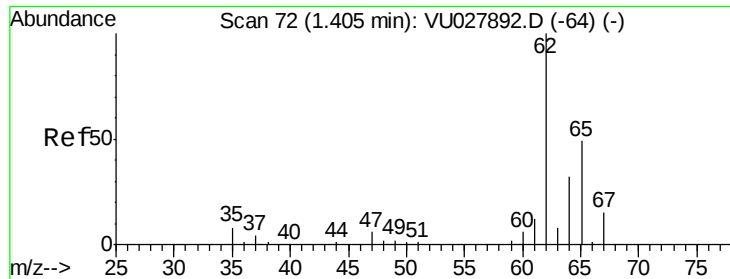


Abundance Ion 50.05 (49.75 to 50.75): VU0

Ion 52.05 (51.75 to 52.75): VU0



Time-->



#5

Vinyl chloride

Concen: 0.284 ug/L

RT: 1.40 min Scan# 72

Delta R.T. 0.00 min

Lab File: VU027900.D

Acq: 01 Nov 2018 13:11

Instrument :

MSVOA_U

ClientSampled :

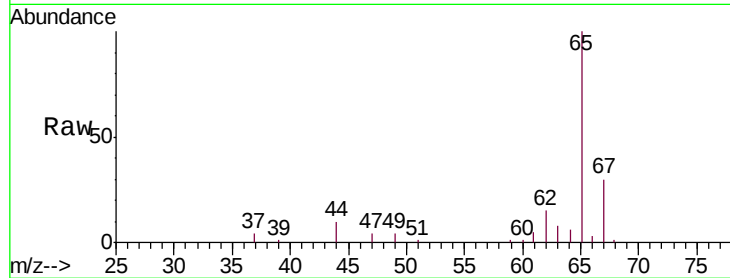
MDL07

Tgt Ion: 62 Resp: 2291

Ion Ratio Lower Upper

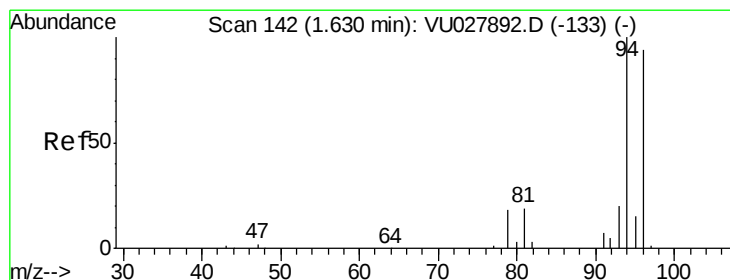
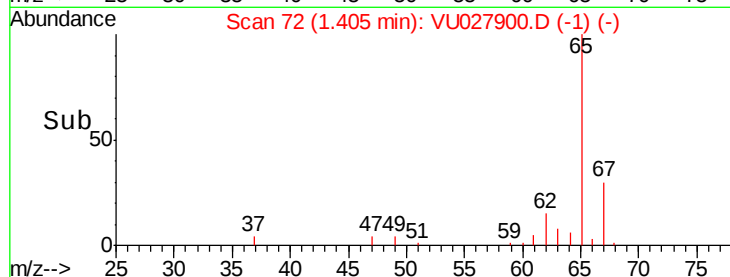
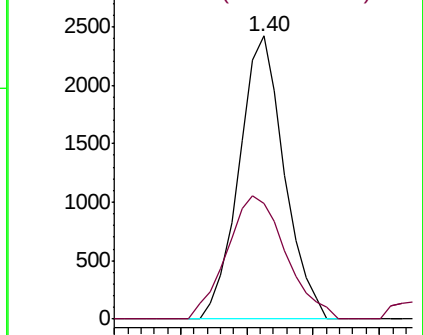
62 100

64 41.0 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: 0.249 ug/L

RT: 1.63 min Scan# 143

Delta R.T. 0.00 min

Lab File: VU027900.D

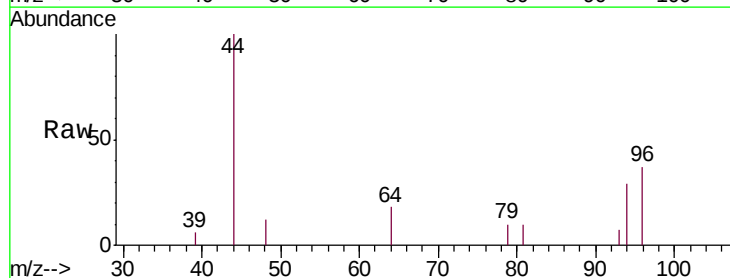
Acq: 01 Nov 2018 13:11

Tgt Ion: 94 Resp: 660

Ion Ratio Lower Upper

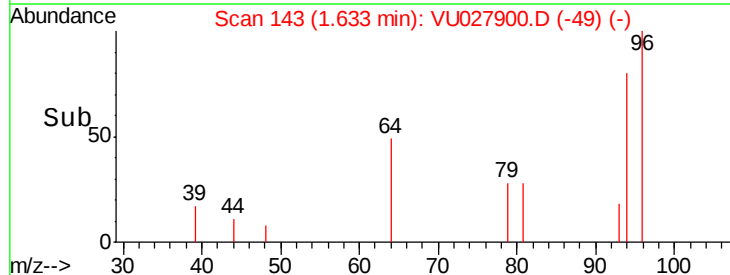
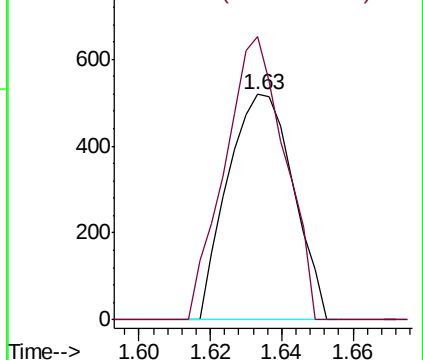
94 100

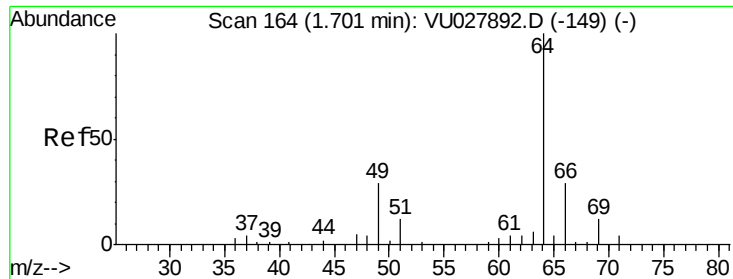
96 125.6 65.0 120.6#



Abundance Ion 94.00 (93.70 to 94.70): VU0

Ion 96.00 (95.70 to 96.70): VU0

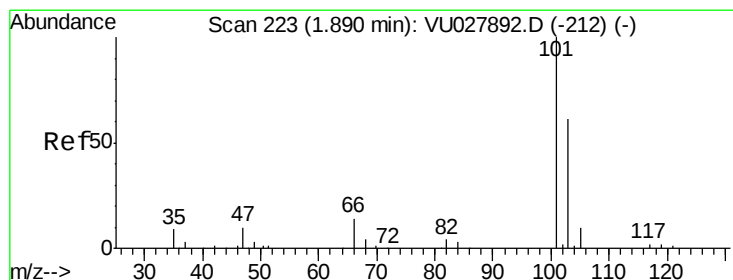
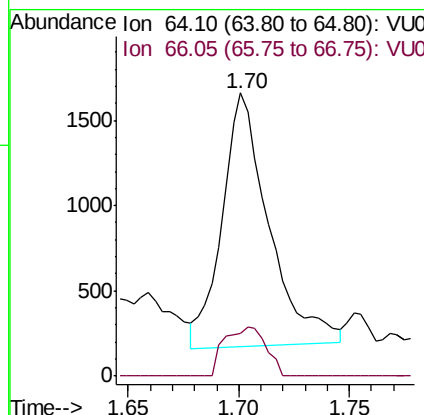
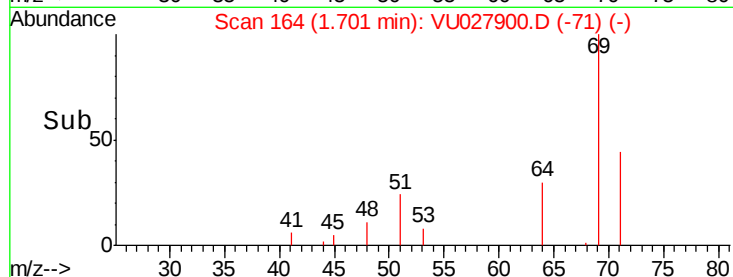
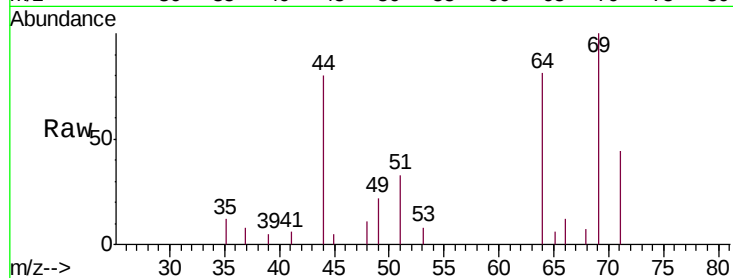




#8
Chloroethane
Concen: 0.463 ug/L
RT: 1.70 min Scan# 164
Delta R.T. 0.00 min
Lab File: VU027900.D
Acq: 01 Nov 2018 13:11

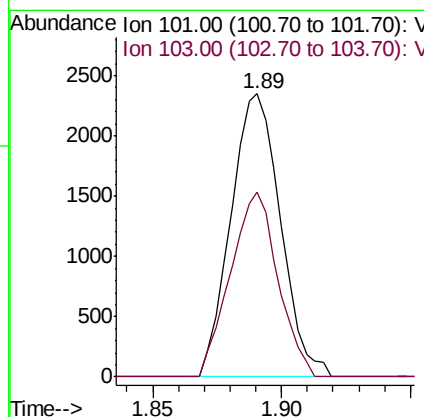
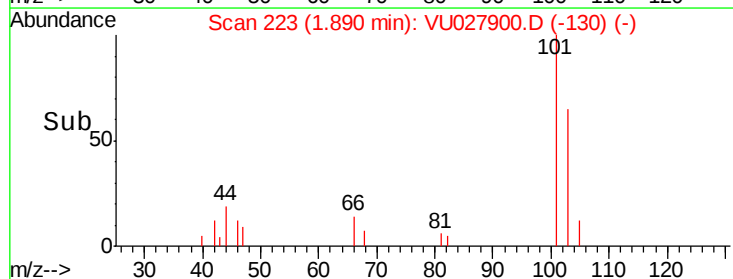
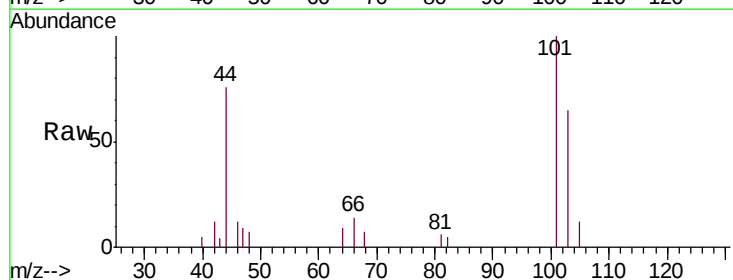
Instrument :
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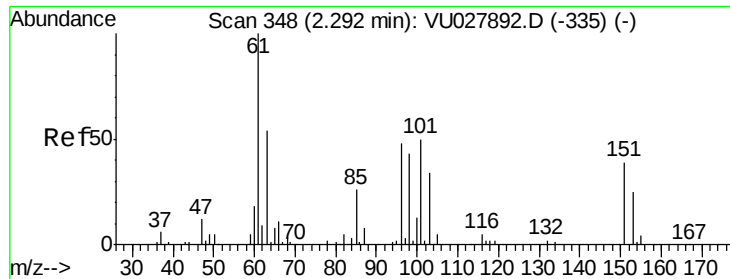
Tgt Ion: 64 Resp: 2190
Ion Ratio Lower Upper
64 100
66 15.1 21.8 40.6#



#9
Trichlorofluoromethane
Concen: 0.294 ug/L
RT: 1.89 min Scan# 223
Delta R.T. 0.00 min
Lab File: VU027900.D
Acq: 01 Nov 2018 13:11

Tgt Ion: 101 Resp: 3154
Ion Ratio Lower Upper
101 100
103 62.3 51.4 77.0





#10

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

Concen: 0.307 ug/L

RT: 2.29 min Scan# 347

Delta R.T. -0.00 min

Lab File: VU027900.D

Acq: 01 Nov 2018 13:11

Instrument :

MSVOA_U

ClientSampleId :

MDL07

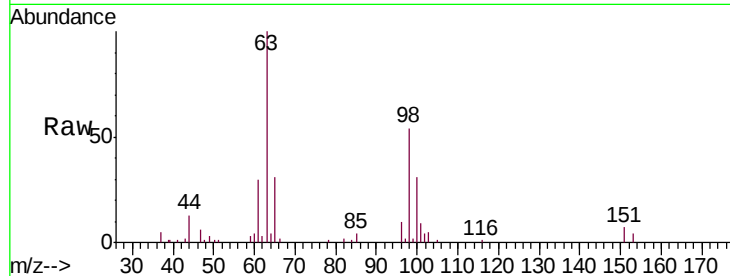
Tgt Ion:101 Resp: 1678

Ion Ratio Lower Upper

101 100

85 42.3 37.1 55.7

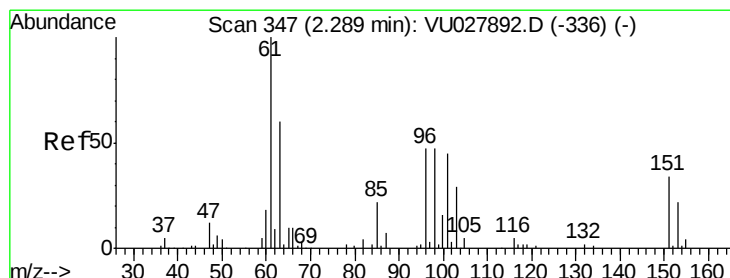
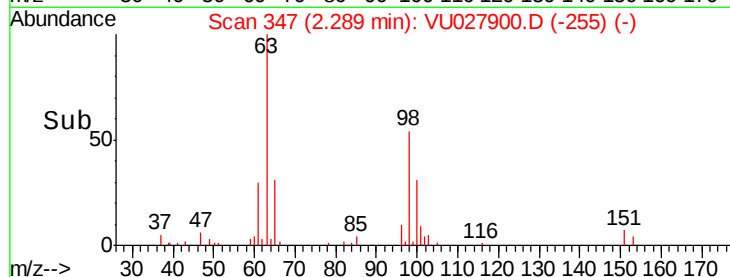
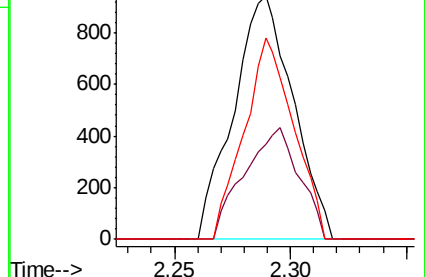
151 68.8 59.9 89.9



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: 0.324 ug/L

RT: 2.29 min Scan# 346

Delta R.T. -0.00 min

Lab File: VU027900.D

Acq: 01 Nov 2018 13:11

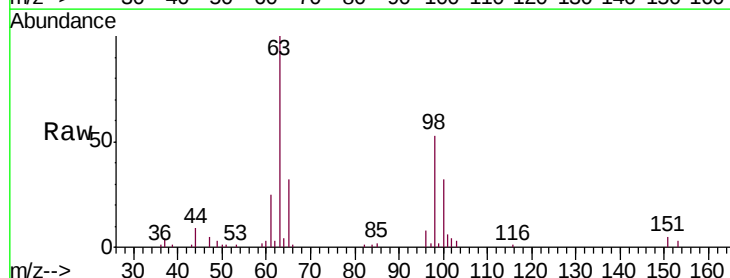
Tgt Ion: 96 Resp: 1671

Ion Ratio Lower Upper

96 100

61 321.6 141.1 262.1#

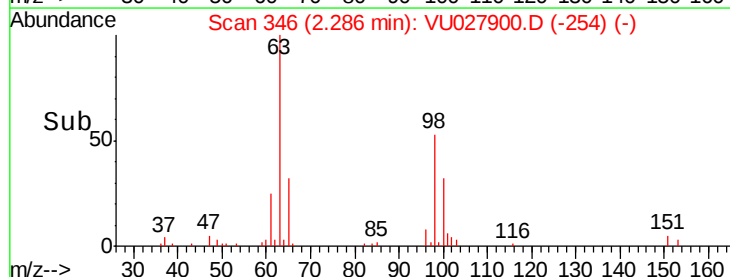
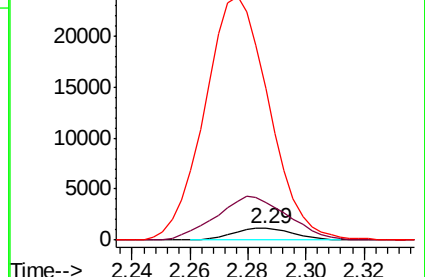
63 1309.1 113.0 209.9#

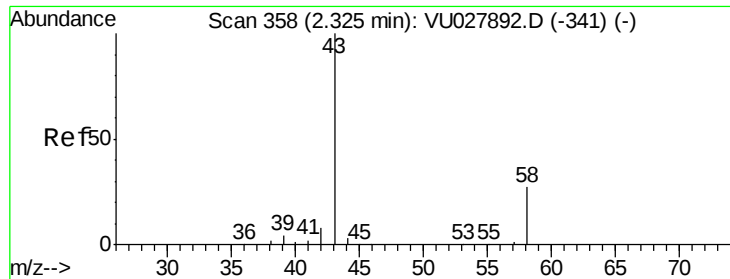


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 3.275 ug/L

RT: 2.32 min Scan# 358

Delta R.T. 0.00 min

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Acq: 01 Nov 2018 13:11

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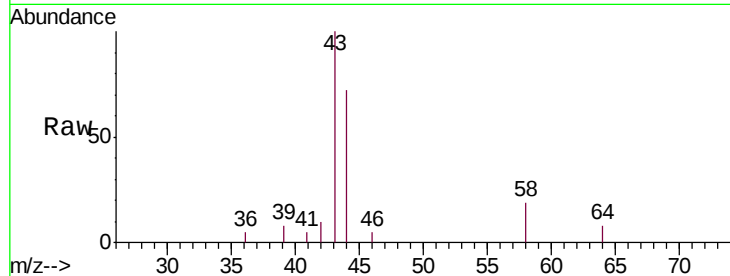
MDL07

Tgt Ion: 43 Resp: 3997

Ion Ratio Lower Upper

43 100

58 17.3 0.0 61.4



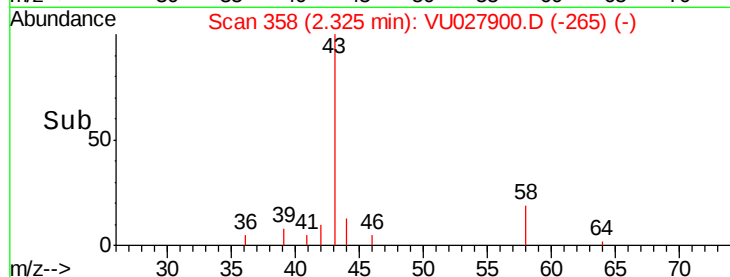
Abundance Ion 43.05 (42.75 to 43.75): VU027892.D (-341) (-)

Ion 58.05 (57.75 to 58.75): VU027892.D (-341) (-)

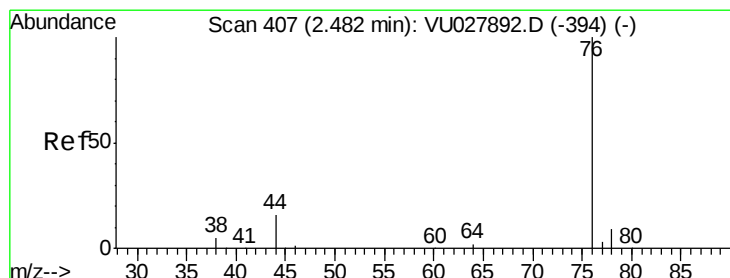
2.32

2.35

2.40



Time-->



#14

Carbon disulfide

Concen: 0.250 ug/L

RT: 2.48 min Scan# 406

Delta R.T. -0.00 min

Lab File: VU027900.D

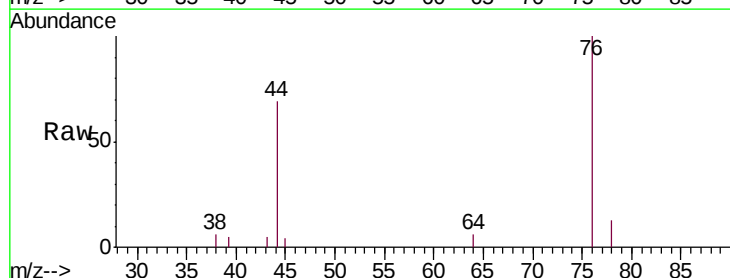
Acq: 01 Nov 2018 13:11

Tgt Ion: 76 Resp: 4601

Ion Ratio Lower Upper

76 100

78 13.1 7.5 11.3#

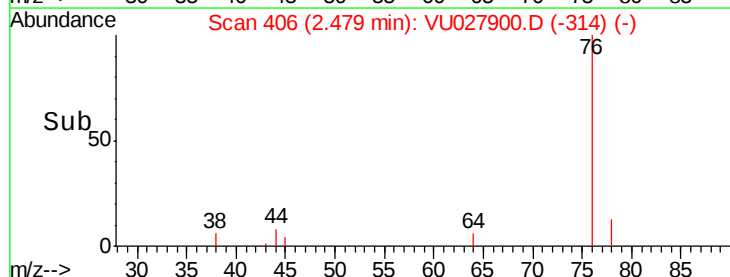


Abundance Ion 76.05 (75.75 to 76.75): VU027892.D (-394) (-)

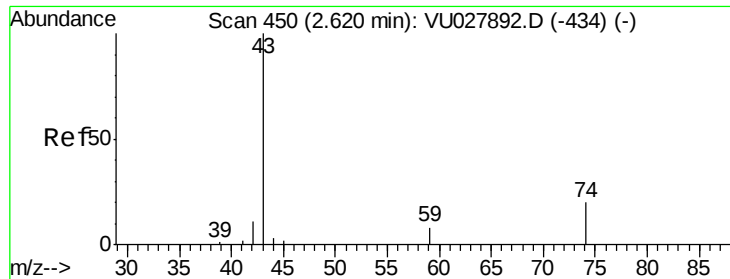
Ion 78.00 (77.70 to 78.70): VU027892.D (-394) (-)

2.48

2.50



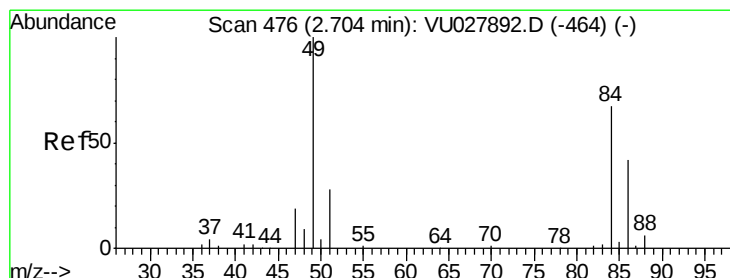
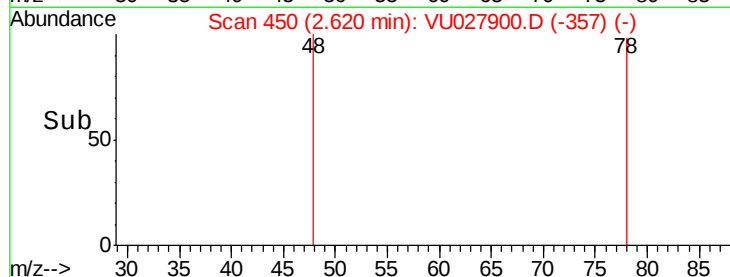
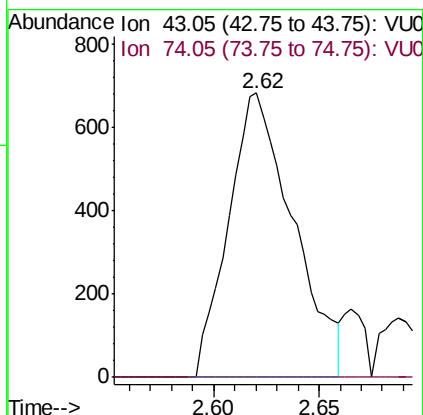
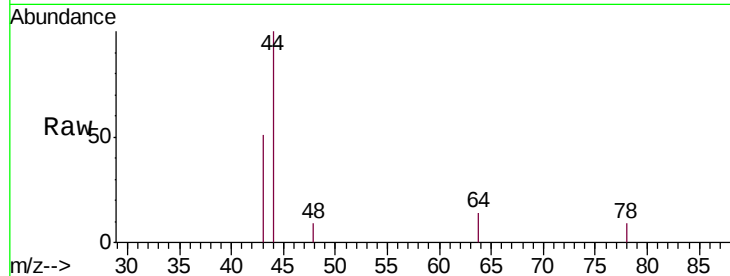
Time-->



#15
Methyl Acetate
Concen: 0.443 ug/L
RT: 2.62 min Scan# 450
Delta R.T. 0.00 min
Lab File: VU027900.D
Acq: 01 Nov 2018 13:11

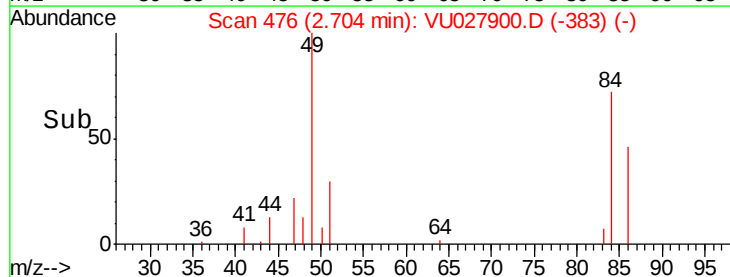
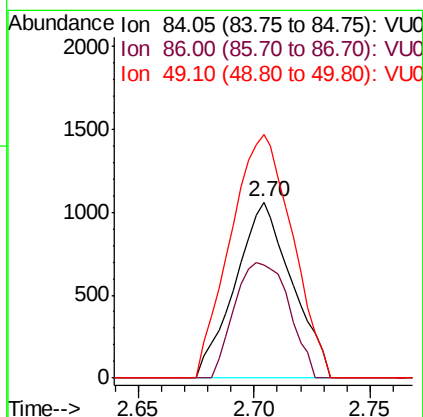
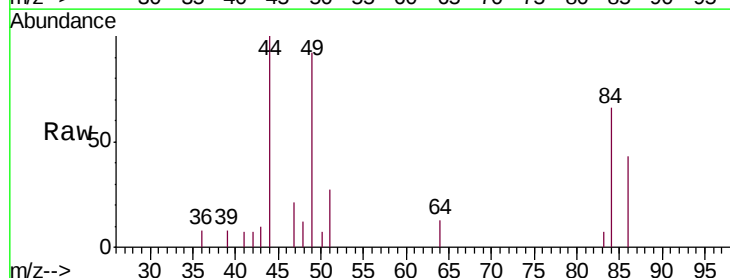
Instrument :
MSVOA_U
ClientSampleId :
MDL07

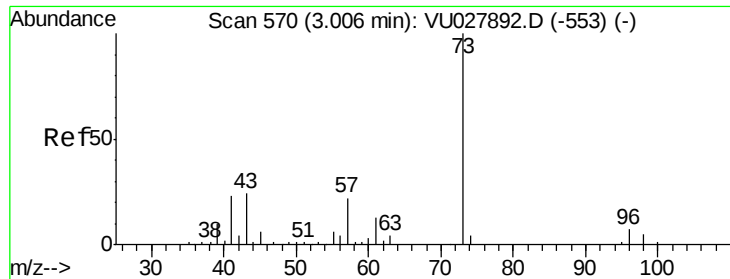
Tgt Ion: 43 Resp: 1447
Ion Ratio Lower Upper
43 100
74 0.0 14.9 22.3#



#16
Methylene chloride
Concen: 0.312 ug/L
RT: 2.70 min Scan# 476
Delta R.T. 0.00 min
Lab File: VU027900.D
Acq: 01 Nov 2018 13:11

Tgt Ion: 84 Resp: 1808
Ion Ratio Lower Upper
84 100
86 64.3 46.7 86.7
49 138.4 101.3 188.1

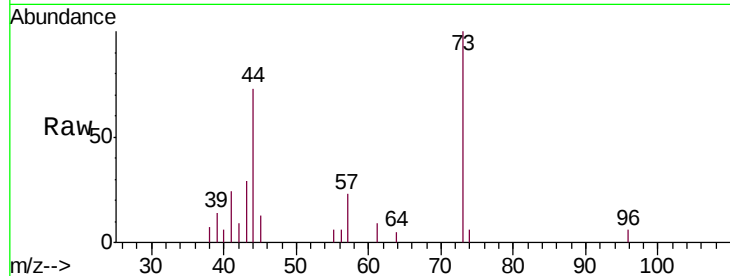




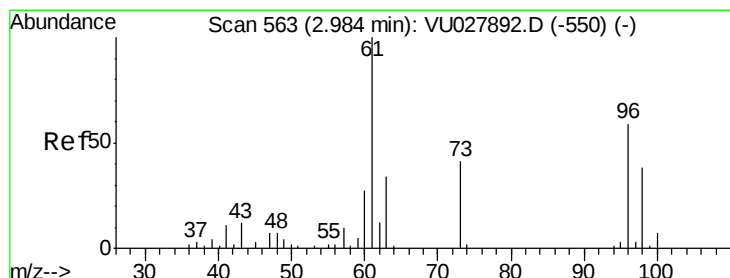
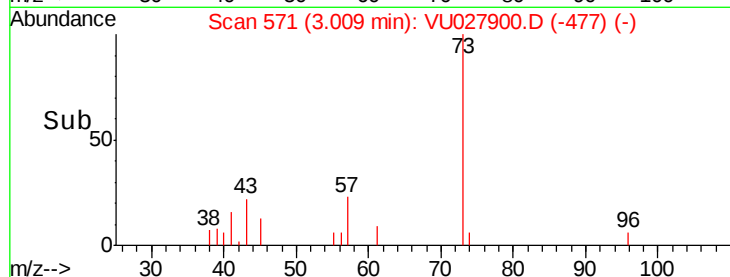
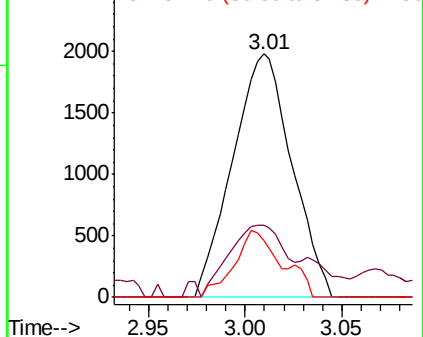
#17
Methyl tert-butyl Ether
Concen: 0.274 ug/L
RT: 3.01 min Scan# 571
Delta R.T. 0.00 min
Lab File: VU027900.D
Acq: 01 Nov 2018 13:11

Instrument :
MSVOA_U
ClientSampled :
MDL07

Tgt Ion: 73 Resp: 4211
Ion Ratio Lower Upper
73 100
43 27.9 18.7 28.1
57 22.2 18.7 28.1

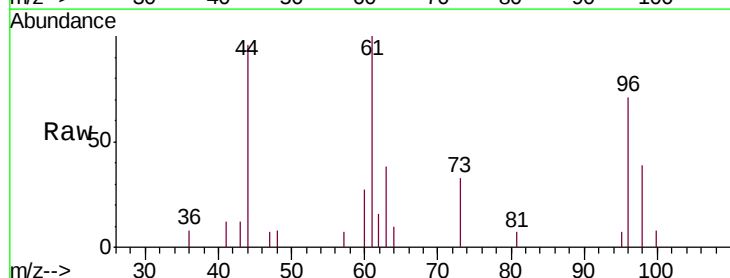


Abundance Ion 73.10 (72.80 to 73.80): VU0
Ion 43.05 (42.75 to 43.75): VU0
Ion 57.10 (56.80 to 57.80): VU0

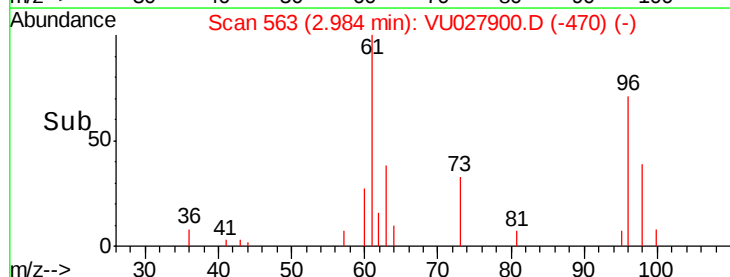
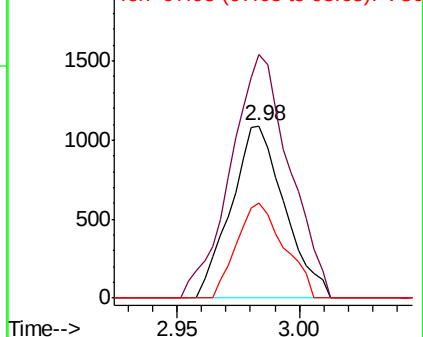


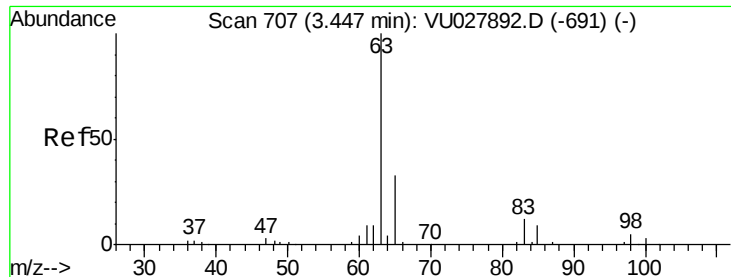
#18
trans-1,2-Dichloroethene
Concen: 0.302 ug/L
RT: 2.98 min Scan# 563
Delta R.T. 0.00 min
Lab File: VU027900.D
Acq: 01 Nov 2018 13:11

Tgt Ion: 96 Resp: 1658
Ion Ratio Lower Upper
96 100
61 141.5 115.2 214.0
98 55.3 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

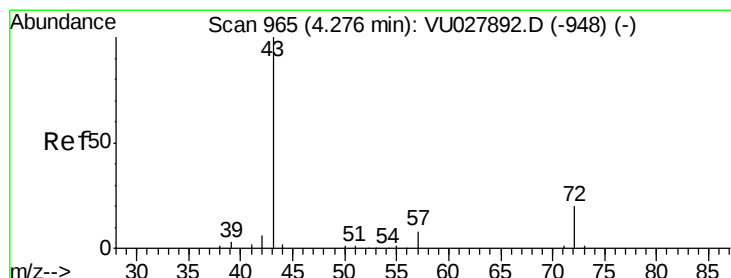
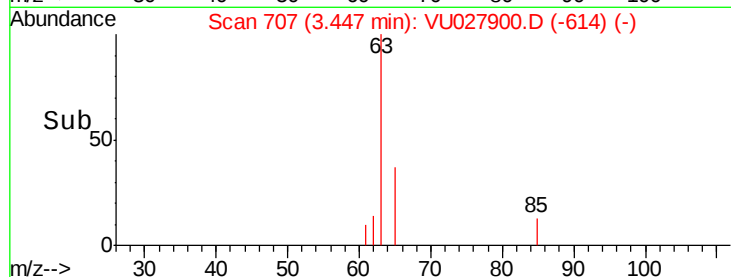
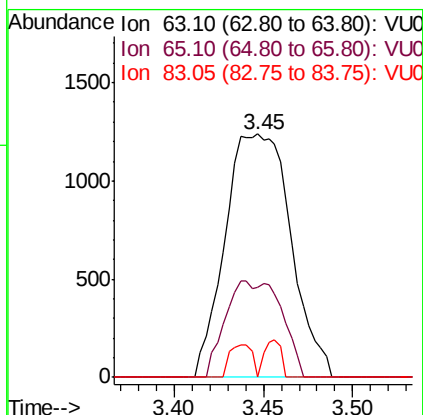
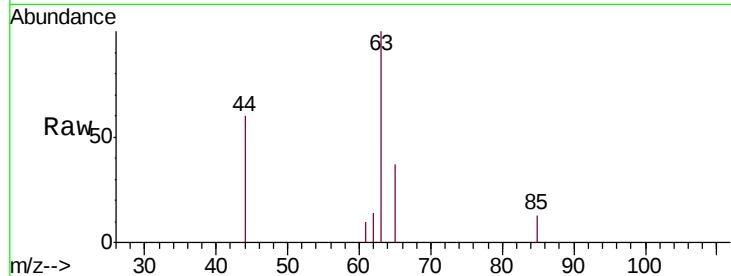




#19
 1,1-Dichloroethane
 Concen: 0.274 ug/L
 RT: 3.45 min Scan# 707
 Delta R.T. 0.00 min
 Lab File: VU027900.D
 Acq: 01 Nov 2018 13:11

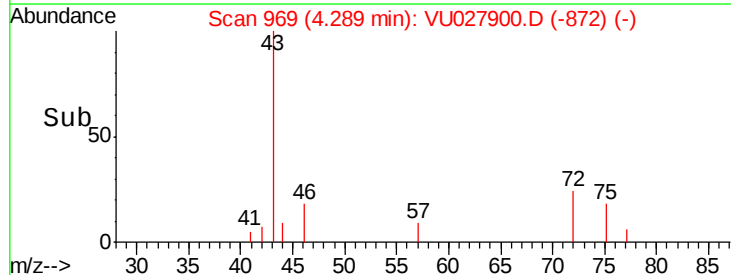
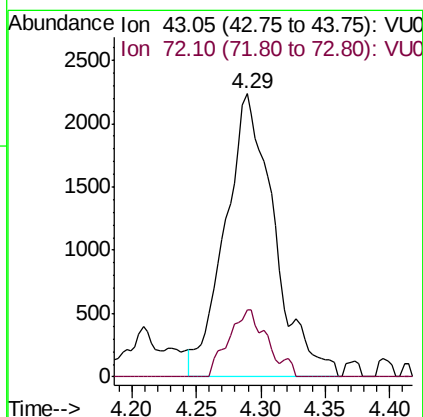
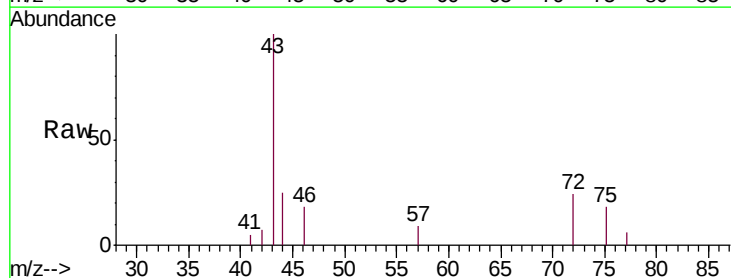
Instrument :
 MSVOA_U
 ClientSampleId :
 MDL07

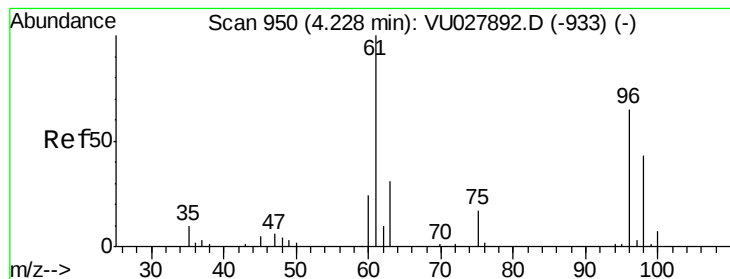
Tgt Ion: 63 Resp: 3174
 Ion Ratio Lower Upper
 63 100
 65 37.0 21.8 40.4
 83 0.0 9.4 17.4#



#21
 2-Butanone
 Concen: 2.790 ug/L
 RT: 4.29 min Scan# 969
 Delta R.T. 0.01 min
 Lab File: VU027900.D
 Acq: 01 Nov 2018 13:11

Tgt Ion: 43 Resp: 5921
 Ion Ratio Lower Upper
 43 100
 72 17.6 10.9 32.9



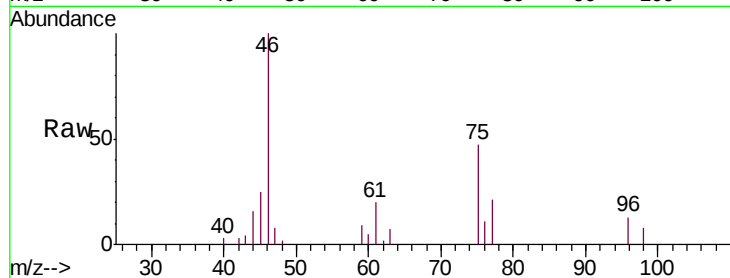


#22

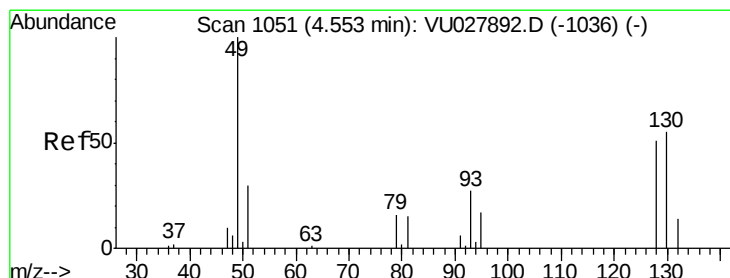
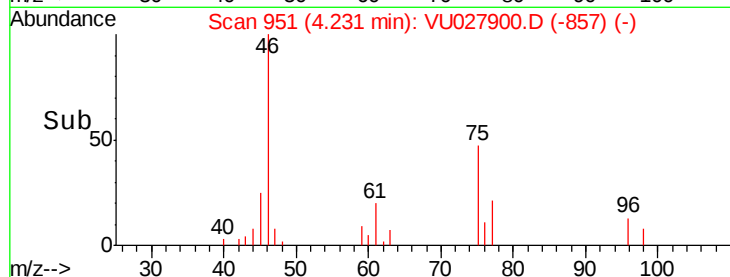
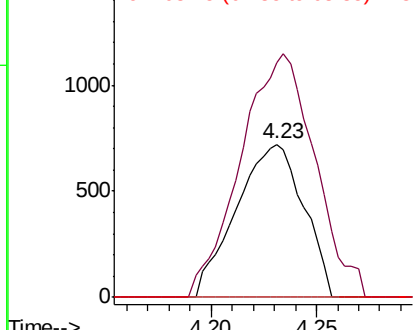
cis-1,2-Dichloroethene
 Concen: 0.252 ug/L
 RT: 4.23 min Scan# 951
 Delta R.T. 0.00 min
 Lab File: VU027900.D
 Acq: 01 Nov 2018 13:11

Instrument :
 MSVOA_U
 ClientSampleId :
 MDL07

Tgt Ion: 96 Resp: 1598
 Ion Ratio Lower Upper
 96 100
 61 153.5 104.0 193.2
 68 0.0 0.0 0.0



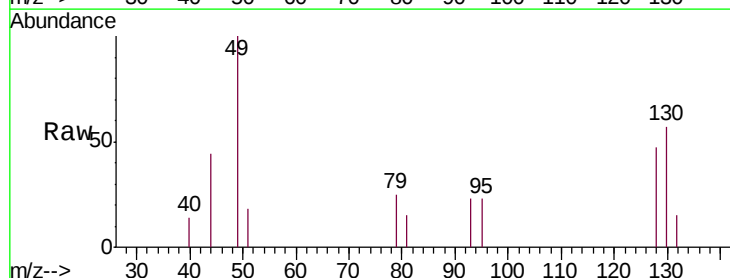
Abundance Ion 96.00 (95.70 to 96.70): VU0
 Ion 61.05 (60.75 to 61.75): VU0
 Ion 68.15 (67.85 to 68.85): VU0



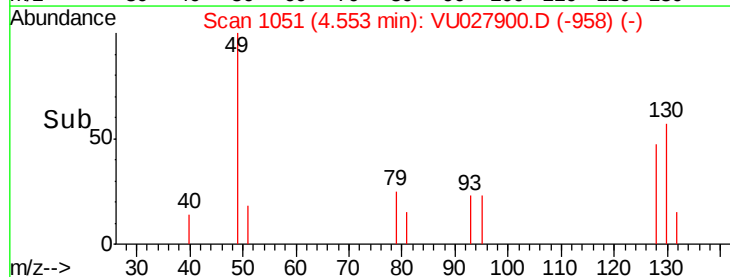
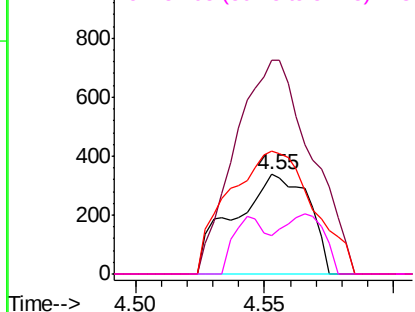
#23

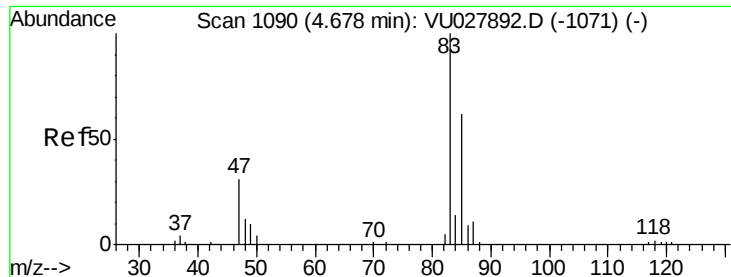
Bromochloromethane
 Concen: 0.259 ug/L
 RT: 4.55 min Scan# 1051
 Delta R.T. 0.00 min
 Lab File: VU027900.D
 Acq: 01 Nov 2018 13:11

Tgt Ion: 128 Resp: 681
 Ion Ratio Lower Upper
 128 100
 49 214.8 142.0 263.8
 130 123.4 86.1 159.9
 51 38.9 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

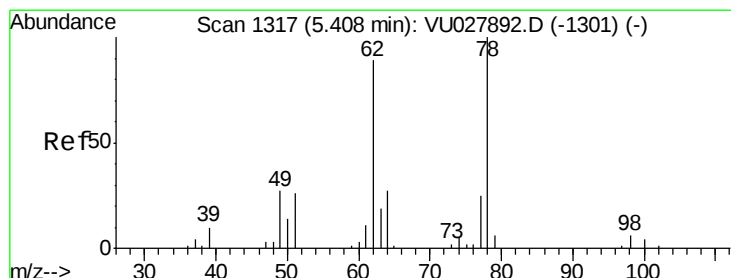
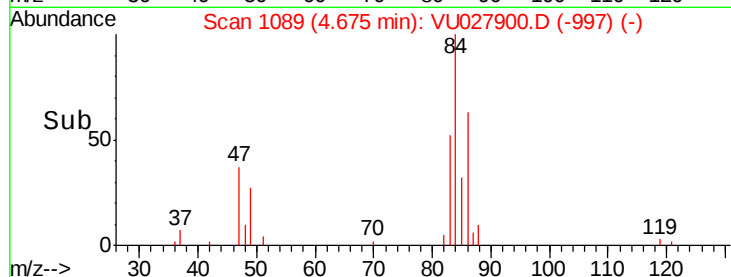
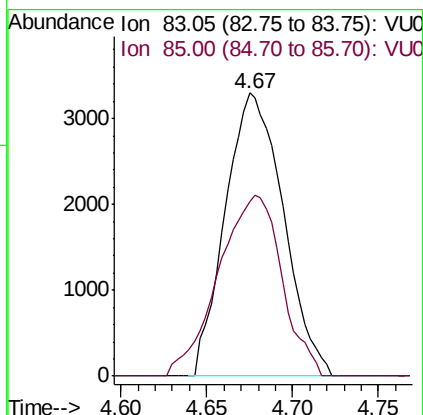
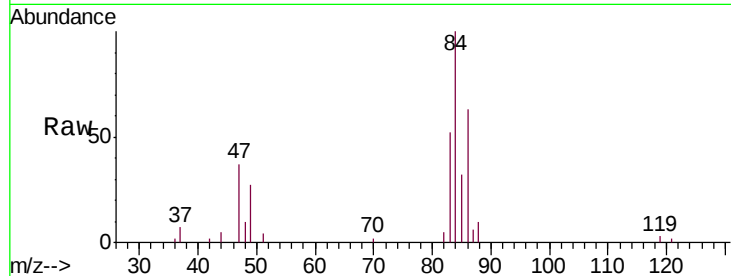




#25
Chloroform
Concen: 0.660 ug/L
RT: 4.67 min Scan# 1089
Delta R.T. -0.00 min
Lab File: VU027900.D
Acq: 01 Nov 2018 13:11

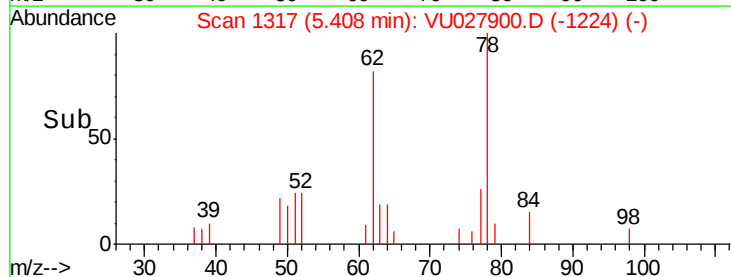
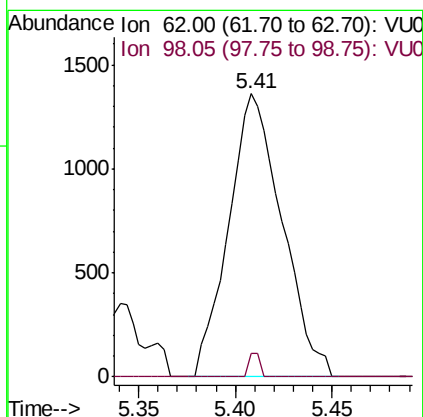
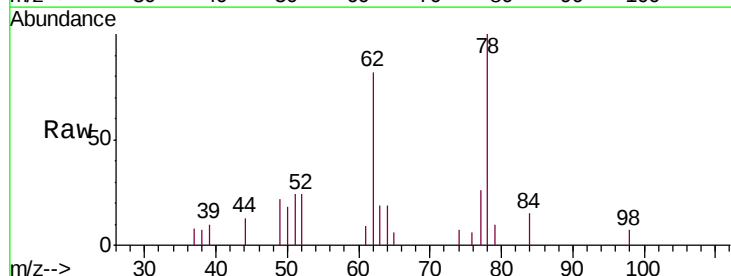
Instrument :
MSVOA_U
ClientSampleId :
MDL07

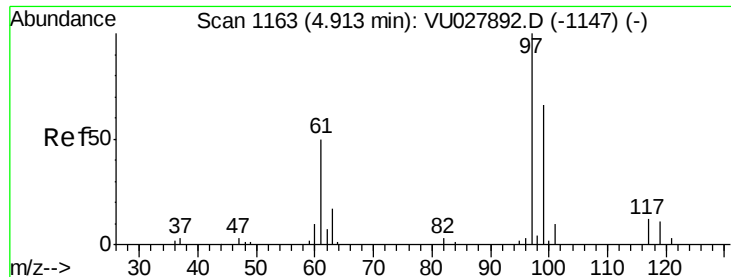
Tgt Ion: 83 Resp: 7746
Ion Ratio Lower Upper
83 100
85 61.7 44.0 81.8



#27
1,2-Dichloroethane
Concen: 0.319 ug/L
RT: 5.41 min Scan# 1317
Delta R.T. 0.00 min
Lab File: VU027900.D
Acq: 01 Nov 2018 13:11

Tgt Ion: 62 Resp: 2611
Ion Ratio Lower Upper
62 100
98 8.4 6.3 9.5

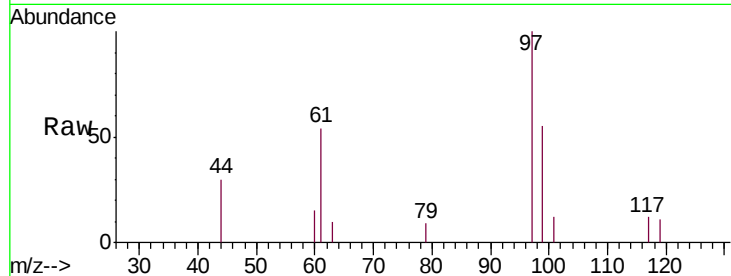




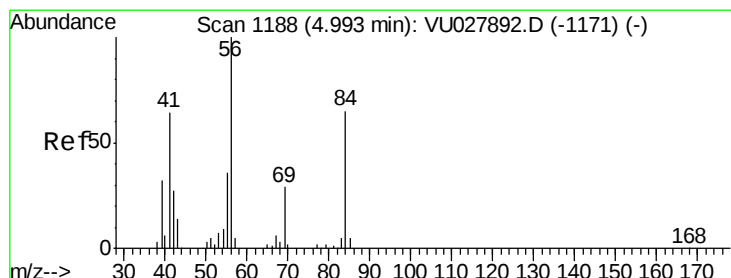
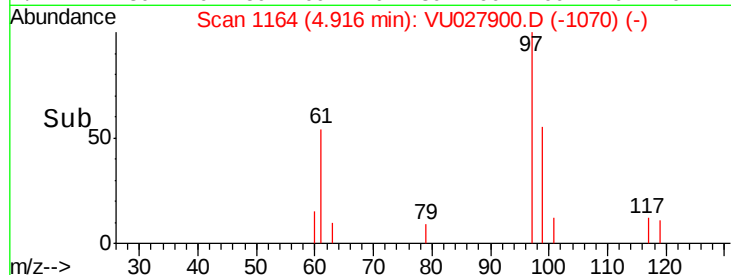
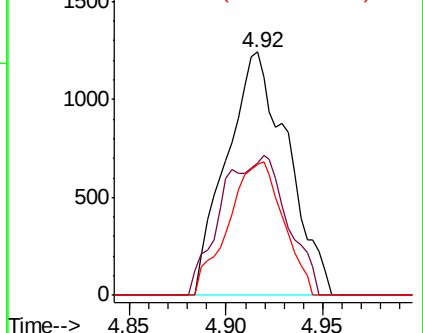
#29
 1,1,1-Trichloroethane
 Concen: 0.266 ug/L
 RT: 4.92 min Scan# 1164
 Delta R.T. 0.00 min
 Lab File: VU027900.D
 Acq: 01 Nov 2018 13:11

Instrument :
 MSVOA_U
 ClientSampleId :
 MDL07

Tgt Ion: 97 Resp: 2737
 Ion Ratio Lower Upper
 97 100
 99 62.0 50.6 76.0
 61 49.0 35.8 53.6

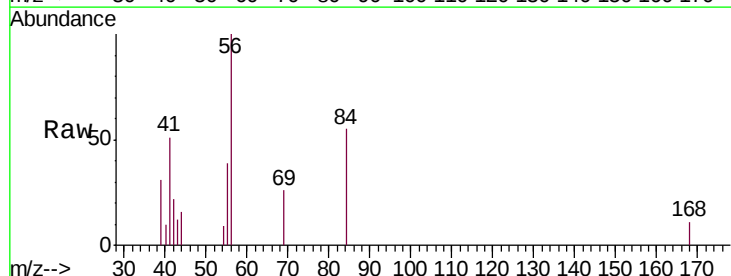


Abundance Ion 96.95 (96.65 to 97.65): VU0
 Ion 99.05 (98.75 to 99.75): VU0
 Ion 61.05 (60.75 to 61.75): VU0

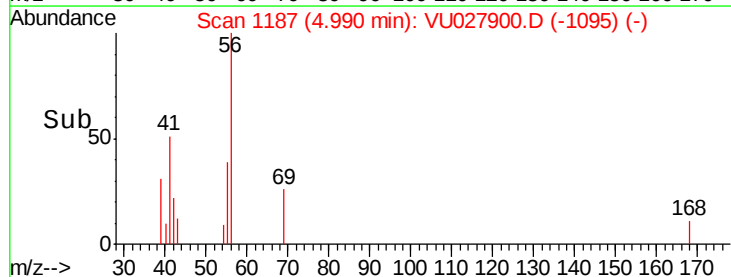
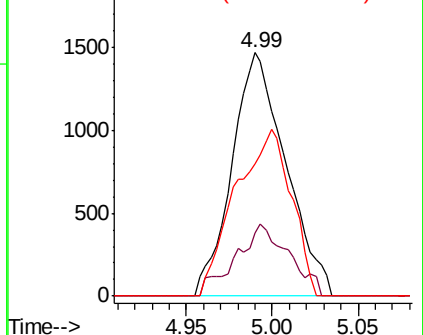


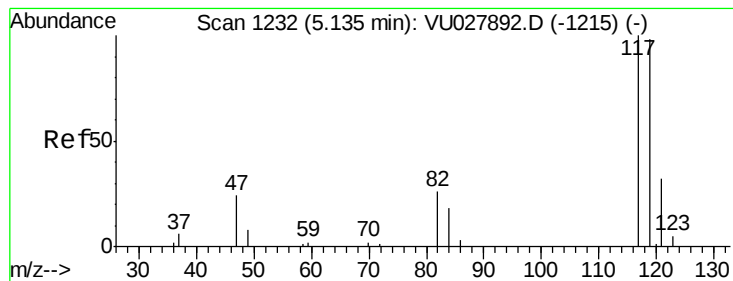
#30
 Cyclohexane
 Concen: 0.265 ug/L
 RT: 4.99 min Scan# 1187
 Delta R.T. -0.00 min
 Lab File: VU027900.D
 Acq: 01 Nov 2018 13:11

Tgt Ion: 56 Resp: 3204
 Ion Ratio Lower Upper
 56 100
 69 29.0 22.7 34.1
 84 70.7 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: 0.270 ug/L

RT: 5.13 min Scan# 1231

Delta R.T. -0.00 min

Lab File: VU027900.D

Acq: 01 Nov 2018 13:11

Instrument :

MSVOA_U

ClientSampleId :

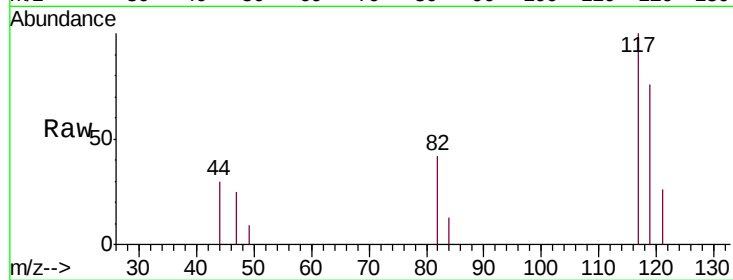
MDL07

Tgt Ion:117 Resp: 2390

Ion Ratio Lower Upper

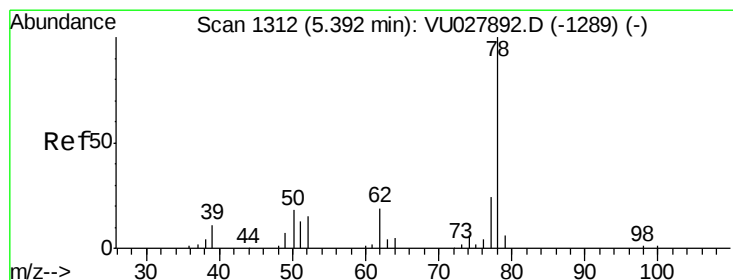
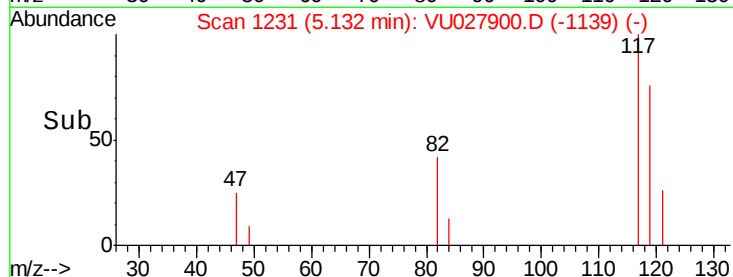
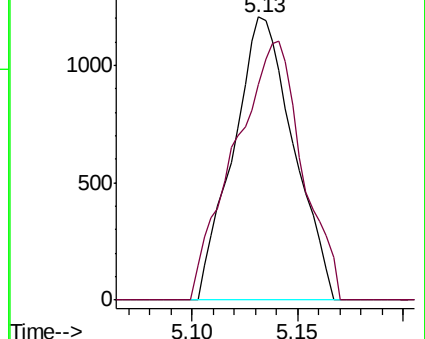
117 100

119 103.4 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: 0.267 ug/L

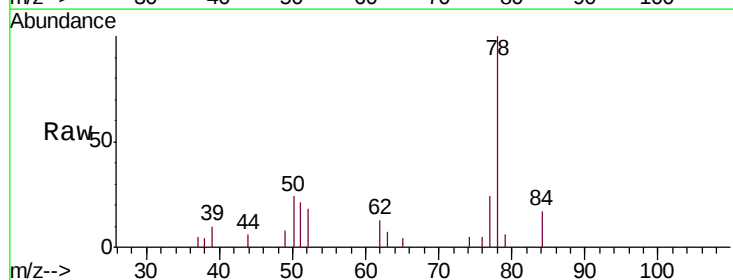
RT: 5.39 min Scan# 1312

Delta R.T. 0.00 min

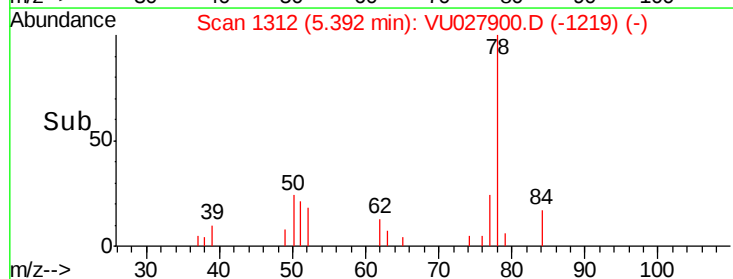
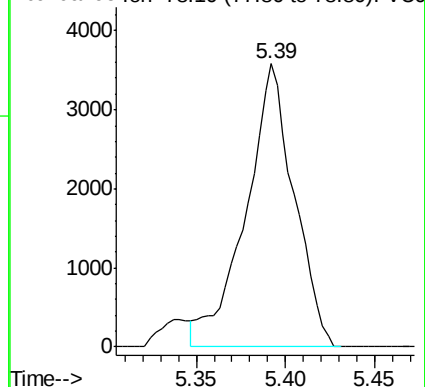
Lab File: VU027900.D

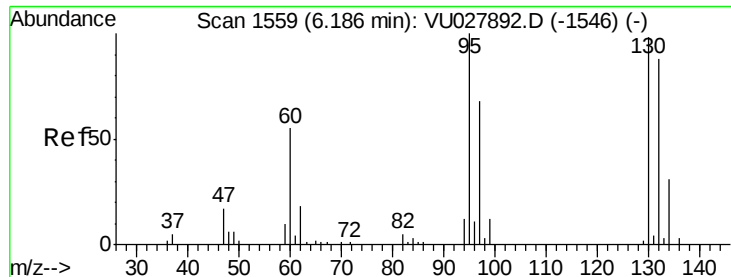
Acq: 01 Nov 2018 13:11

Tgt Ion: 78 Resp: 6763



Abundance Ion 78.10 (77.80 to 78.80): VU0

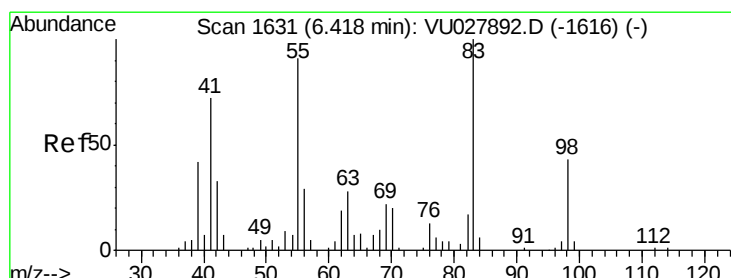
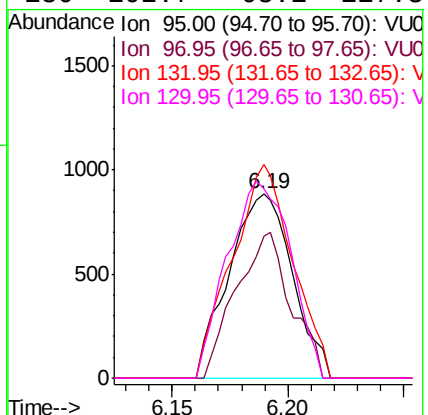
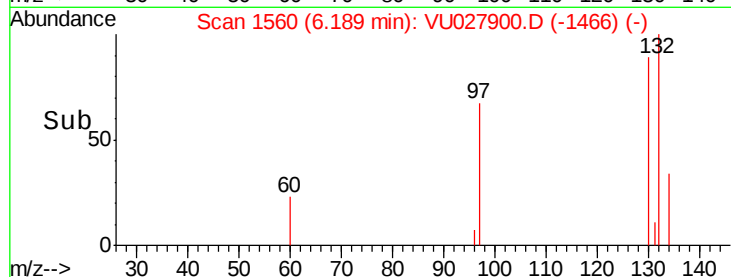
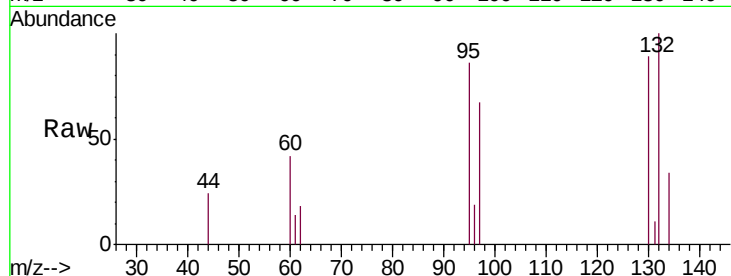




#34
 Trichloroethene
 Concen: 0.255 ug/L
 RT: 6.19 min Scan# 1560
 Delta R.T. 0.00 min
 Lab File: VU027900.D
 Acq: 01 Nov 2018 13:11

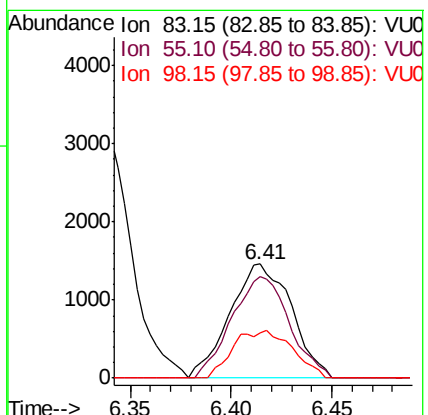
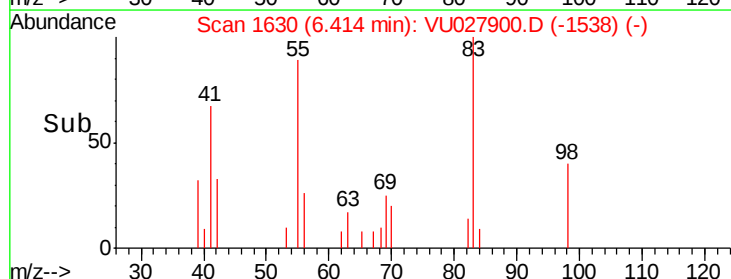
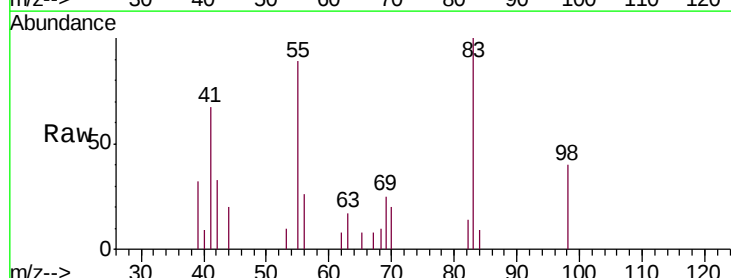
Instrument :
 MSVOA_U
 ClientSampleId :
 MDL07

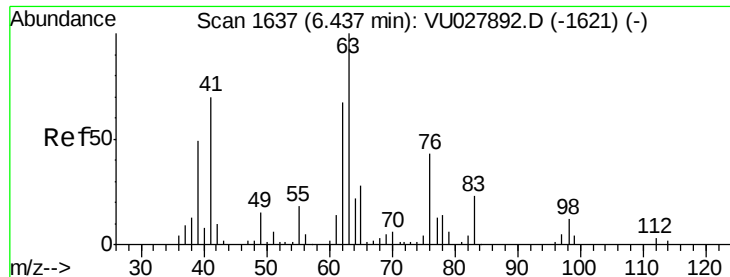
Tgt Ion: 95 Resp: 1679
 Ion Ratio Lower Upper
 95 100
 97 77.3 44.0 81.6
 132 115.8 63.3 117.5
 130 102.7 63.1 117.3



#35
 Methylcyclohexane
 Concen: 0.277 ug/L
 RT: 6.41 min Scan# 1630
 Delta R.T. -0.00 min
 Lab File: VU027900.D
 Acq: 01 Nov 2018 13:11

Tgt Ion: 83 Resp: 3102
 Ion Ratio Lower Upper
 83 100
 55 83.6 73.4 110.0
 98 40.5 35.3 52.9

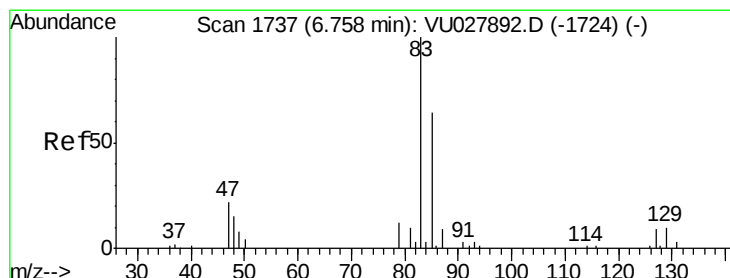
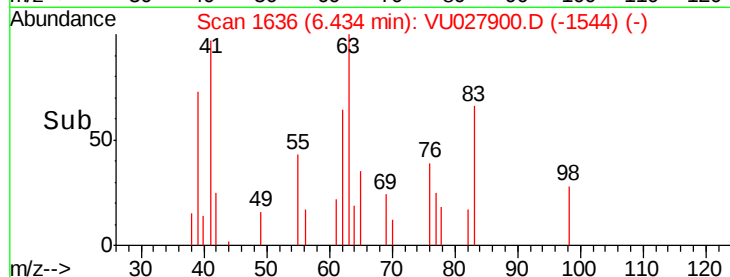
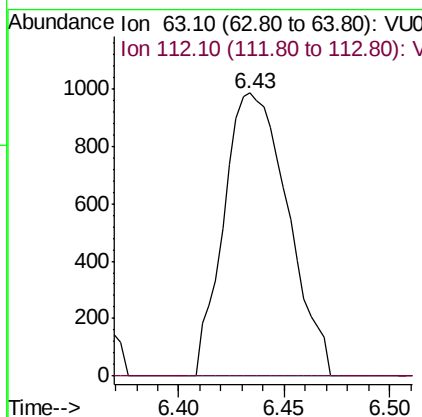
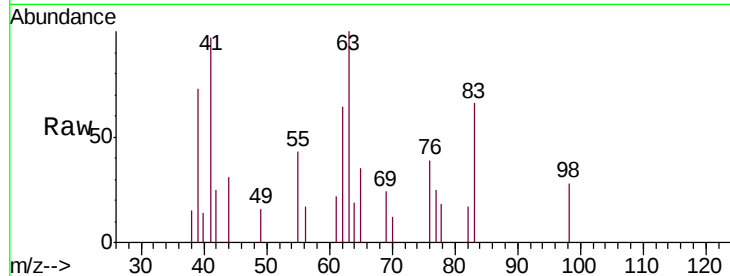




#37
 1,2-Dichloropropane
 Concen: 0.289 ug/L
 RT: 6.43 min Scan# 1636
 Delta R.T. -0.00 min
 Lab File: VU027900.D
 Acq: 01 Nov 2018 13:11

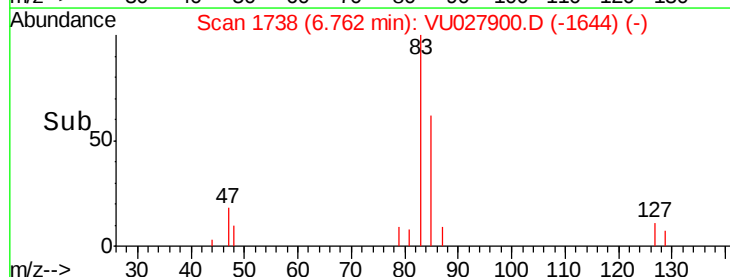
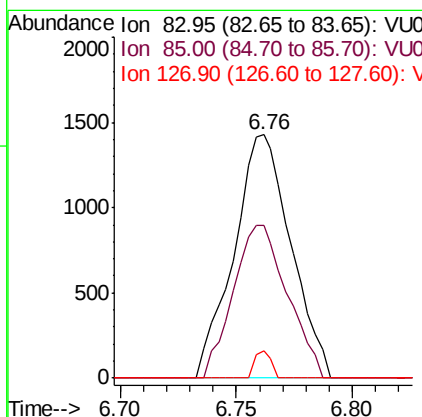
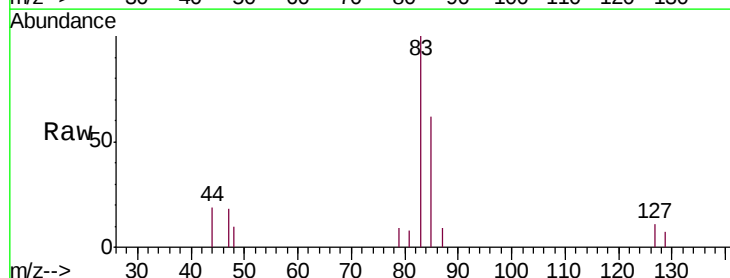
Instrument :
 MSVOA_U
 ClientSampled :
 MDL07

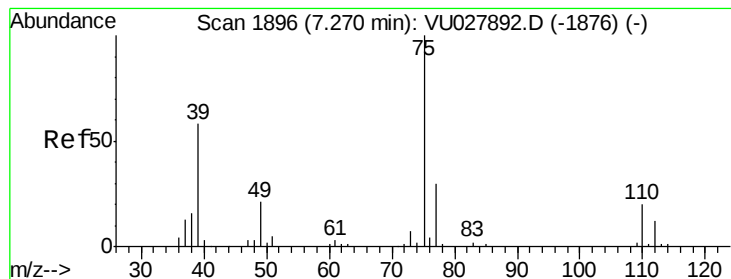
Tgt Ion: 63 Resp: 2079
 Ion Ratio Lower Upper
 63 100
 112 0.0 2.6 3.8#



#38
 Bromodichloromethane
 Concen: 0.290 ug/L
 RT: 6.76 min Scan# 1738
 Delta R.T. 0.00 min
 Lab File: VU027900.D
 Acq: 01 Nov 2018 13:11

Tgt Ion: 83 Resp: 2443
 Ion Ratio Lower Upper
 83 100
 85 62.5 43.8 81.4
 127 11.3 6.4 9.6#



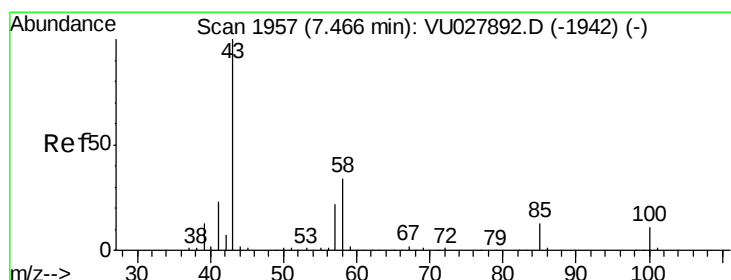
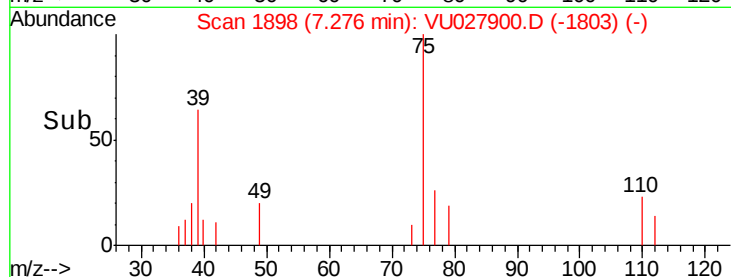
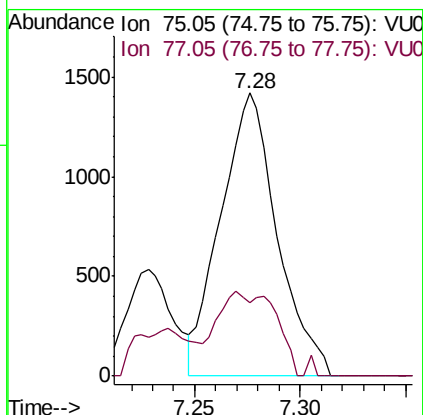
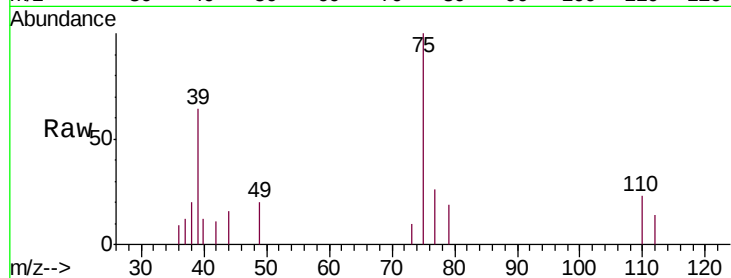


#39

cis-1,3-Dichloropropene
 Concen: 0.256 ug/L
 RT: 7.28 min Scan# 1898
 Delta R.T. 0.01 min
 Lab File: VU027900.D
 Acq: 01 Nov 2018 13:11

Instrument :
 MSVOA_U
 ClientSampleID :
 MDL07

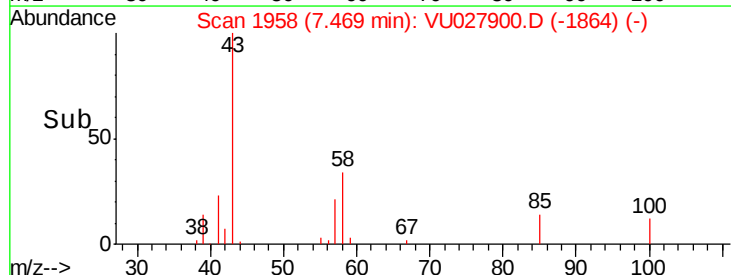
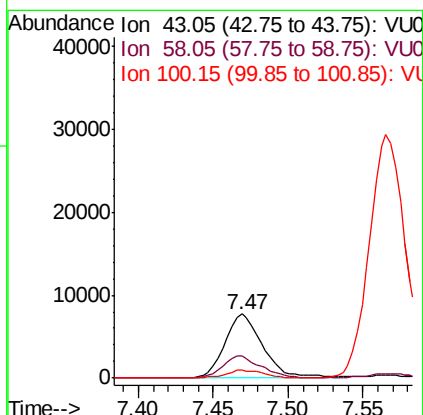
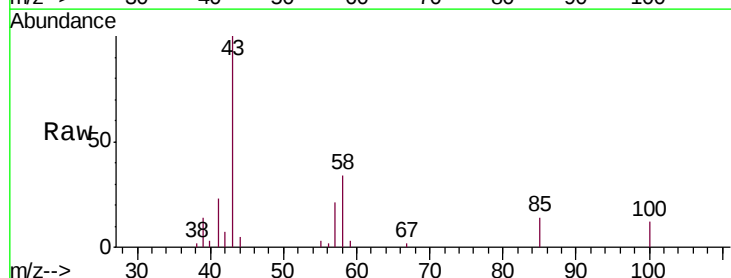
Tgt Ion: 75 Resp: 2641
 Ion Ratio Lower Upper
 75 100
 77 26.1 22.2 41.2

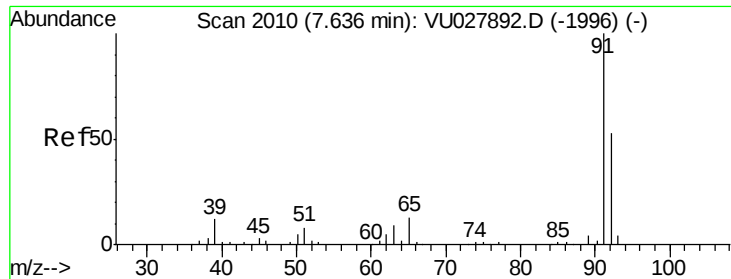


#40

4-Methyl-2-pentanone
 Concen: 2.672 ug/L
 RT: 7.47 min Scan# 1958
 Delta R.T. 0.00 min
 Lab File: VU027900.D
 Acq: 01 Nov 2018 13:11

Tgt Ion: 43 Resp: 13597
 Ion Ratio Lower Upper
 43 100
 58 34.4 28.5 42.7
 100 11.8 8.8 13.2





#42

Toluene

Concen: 0.272 ug/L

RT: 7.64 min Scan# 2011

Delta R.T. 0.00 min

Lab File: VU027900.D

Acq: 01 Nov 2018 13:11

Instrument :

MSVOA_U

ClientSampleId :

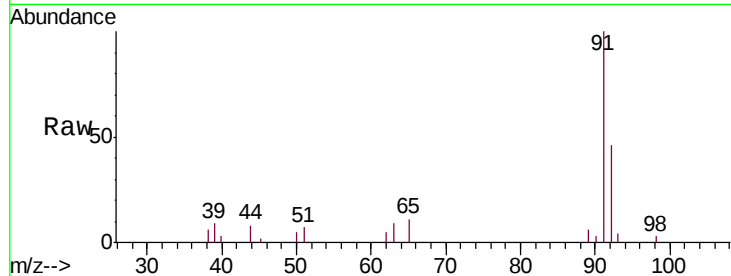
MDL07

Tgt Ion: 91 Resp: 7187

Ion Ratio Lower Upper

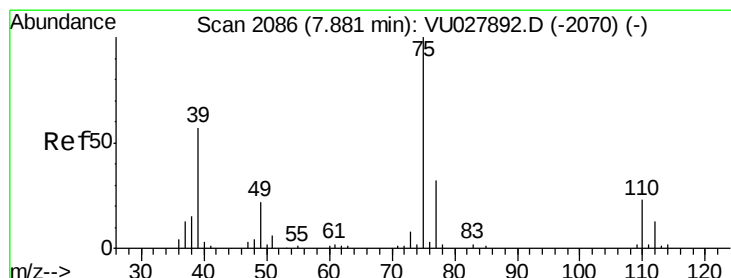
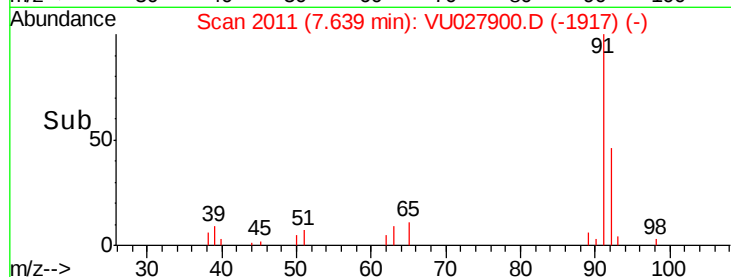
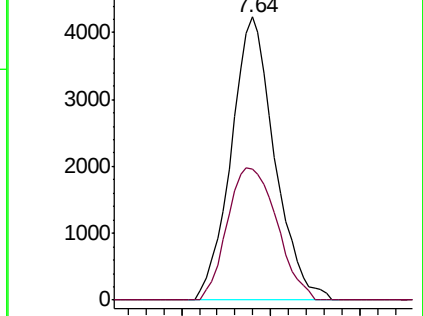
91 100

92 46.4 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: 0.290 ug/L

RT: 7.88 min Scan# 2086

Delta R.T. 0.00 min

Lab File: VU027900.D

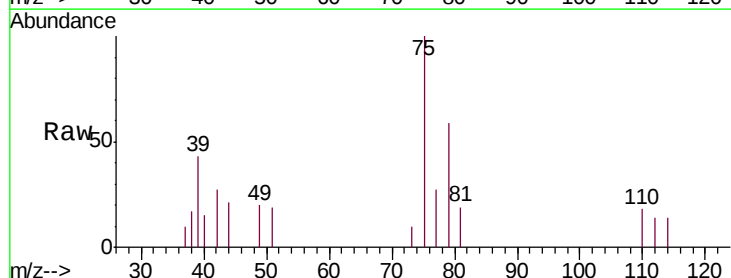
Acq: 01 Nov 2018 13:11

Tgt Ion: 75 Resp: 2572

Ion Ratio Lower Upper

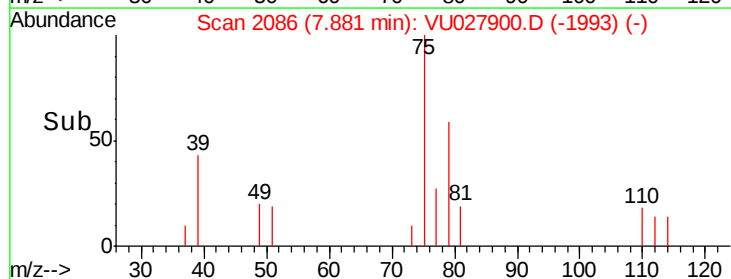
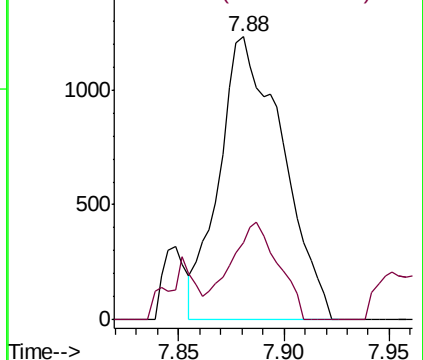
75 100

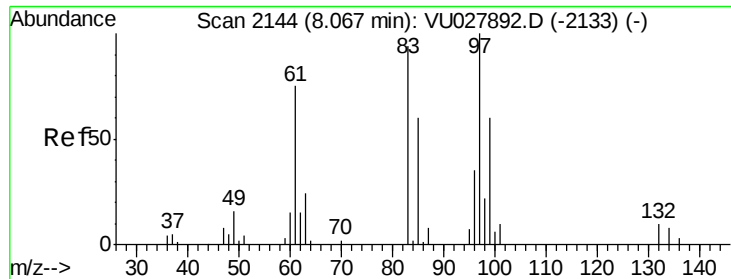
77 27.4 20.5 38.1



Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 77.05 (76.75 to 77.75): VU0

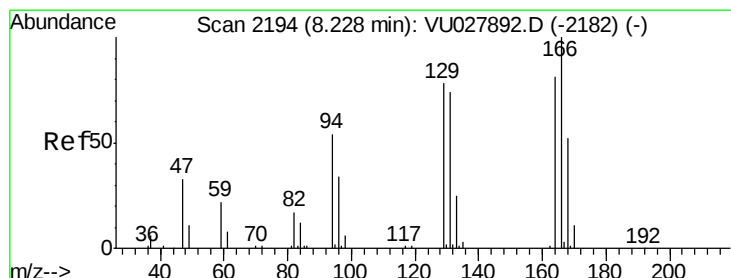
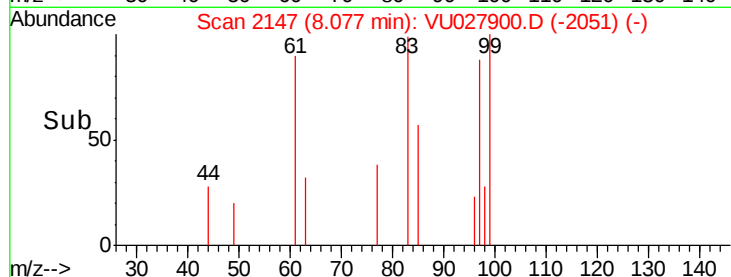
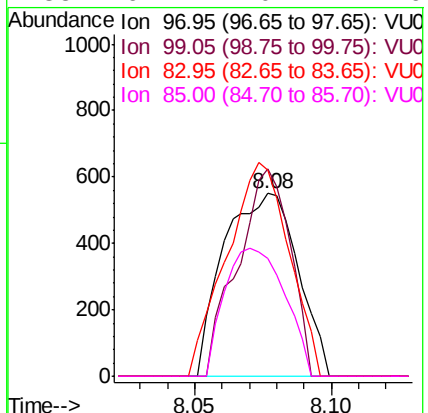
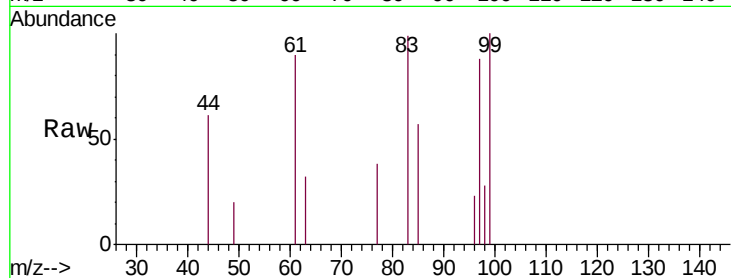




#45
 1,1,2-Trichloroethane
 Concen: 0.233 ug/L
 RT: 8.08 min Scan# 2147
 Delta R.T. 0.01 min
 Lab File: VU027900.D
 Acq: 01 Nov 2018 13:11

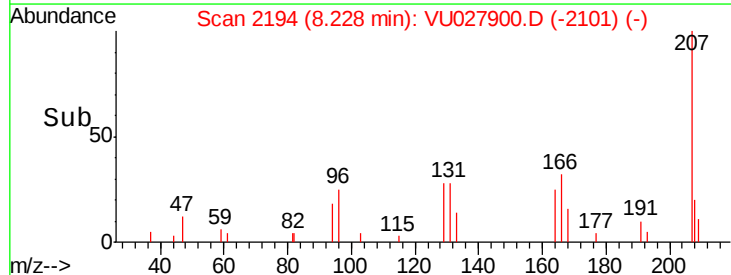
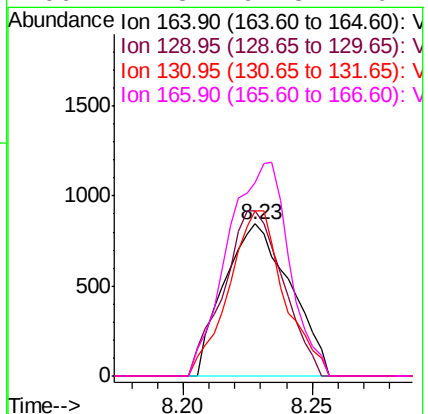
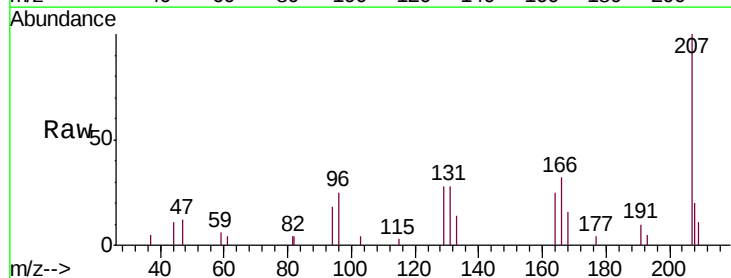
Instrument :
 MSVOA_U
 ClientSampleID :
 MDL07

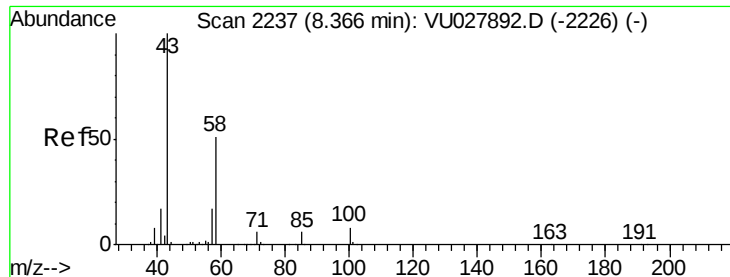
Tgt Ion: 97 Resp: 1033
 Ion Ratio Lower Upper
 97 100
 99 113.4 42.9 79.7#
 83 112.5 62.2 115.6
 85 64.2 40.2 74.6



#47
 Tetrachloroethene
 Concen: 0.297 ug/L
 RT: 8.23 min Scan# 2194
 Delta R.T. 0.00 min
 Lab File: VU027900.D
 Acq: 01 Nov 2018 13:11

Tgt Ion: 164 Resp: 1503
 Ion Ratio Lower Upper
 164 100
 129 109.0 64.9 120.5
 131 109.0 64.3 119.5
 166 127.3 91.8 170.4

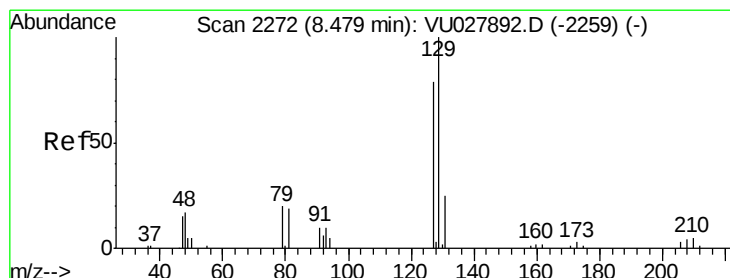
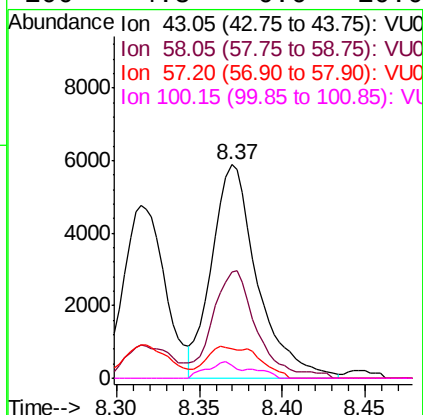
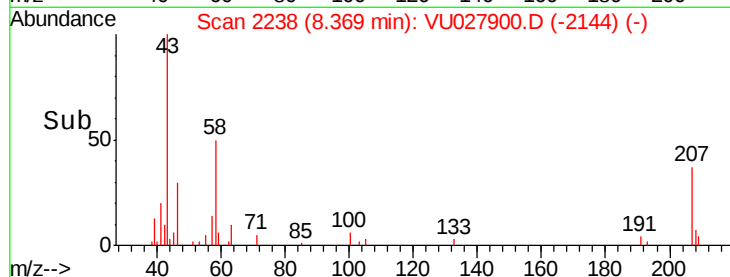
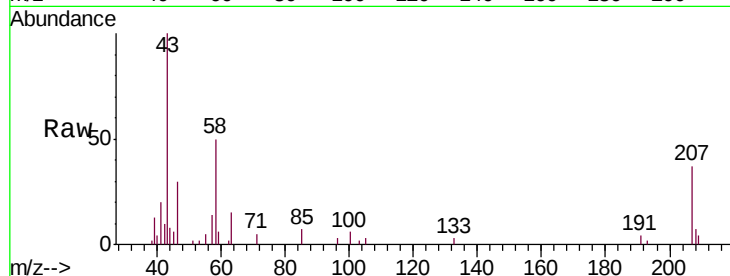




#48
2-Hexanone
Concen: 3.074 ug/L
RT: 8.37 min Scan# 2238
Delta R.T. 0.00 min
Lab File: VU027900.D
Acq: 01 Nov 2018 13:11

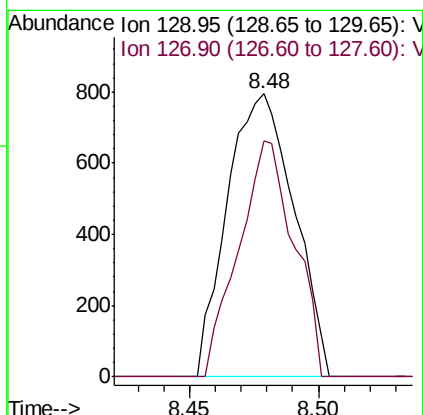
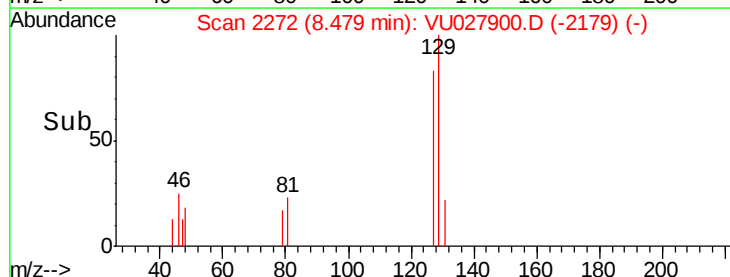
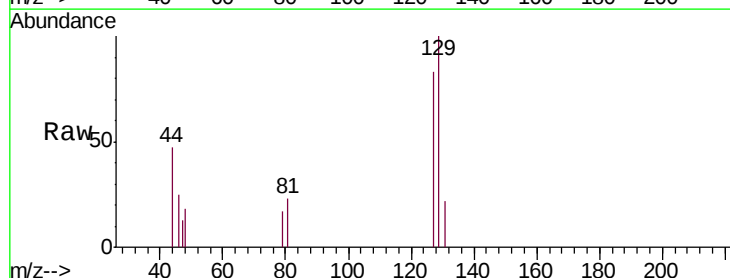
Instrument :
MSVOA_U
ClientSampleId :
MDL07

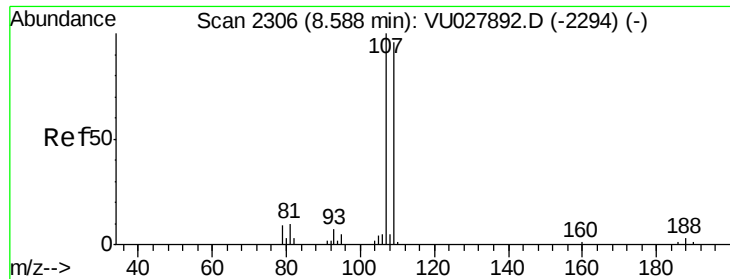
Tgt Ion: 43 Resp: 11278
Ion Ratio Lower Upper
43 100
58 43.2 38.9 58.3
57 17.2 13.3 19.9
100 4.8 6.6 10.0#



#49
Dibromochloromethane
Concen: 0.268 ug/L
RT: 8.48 min Scan# 2272
Delta R.T. 0.00 min
Lab File: VU027900.D
Acq: 01 Nov 2018 13:11

Tgt Ion: 129 Resp: 1433
Ion Ratio Lower Upper
129 100
127 83.3 54.5 101.1

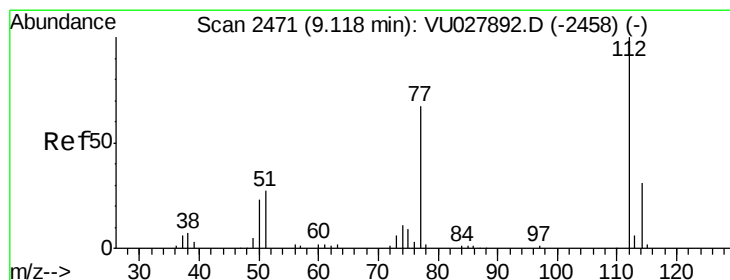
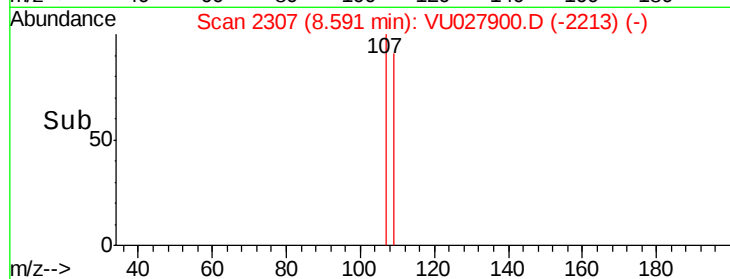
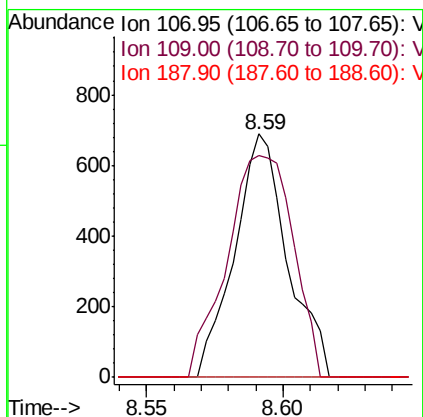
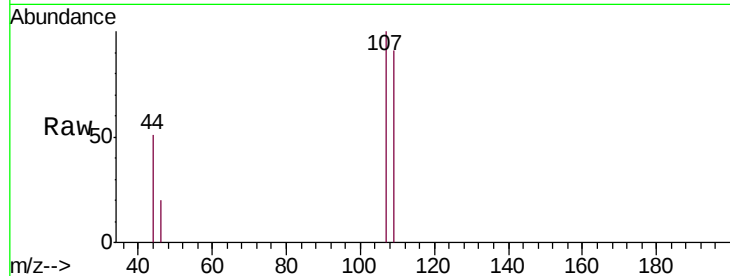




#50
1,2-Dibromoethane
Concen: 0.218 ug/L
RT: 8.59 min Scan# 2307
Delta R.T. 0.00 min
Lab File: VU027900.D
Acq: 01 Nov 2018 13:11

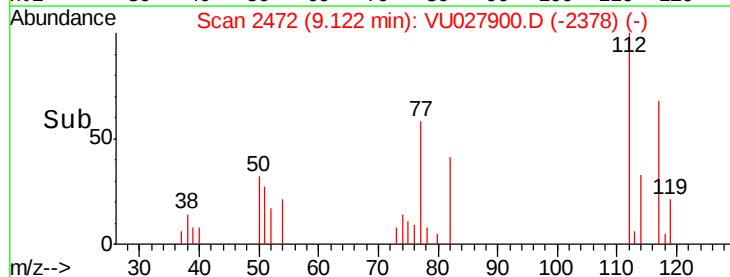
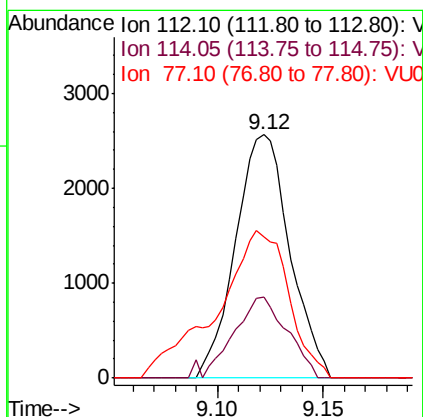
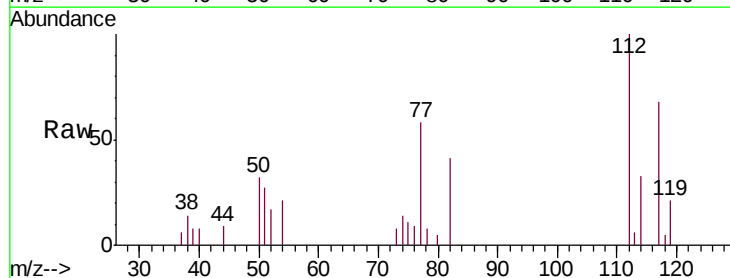
Instrument :
MSVOA_U
ClientSampleId :
MDL07

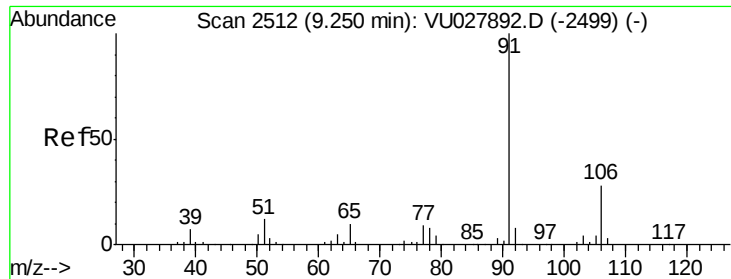
Tgt Ion:107 Resp: 925
Ion Ratio Lower Upper
107 100
109 91.3 68.0 126.4
188 0.0 2.7 4.1#



#51
Chlorobenzene
Concen: 0.280 ug/L
RT: 9.12 min Scan# 2472
Delta R.T. 0.00 min
Lab File: VU027900.D
Acq: 01 Nov 2018 13:11

Tgt Ion:112 Resp: 4591
Ion Ratio Lower Upper
112 100
114 33.1 22.0 41.0
77 57.8 54.3 81.5





#52

Ethylbenzene

Concen: 0.266 ug/L

RT: 9.25 min Scan# 2513

Delta R.T. 0.00 min

Lab File: VU027900.D

Acq: 01 Nov 2018 13:11

Instrument :

MSVOA_U

ClientSampleId :

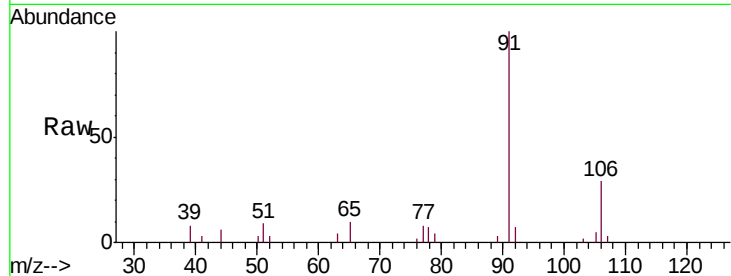
MDL07

Tgt Ion: 91 Resp: 8019

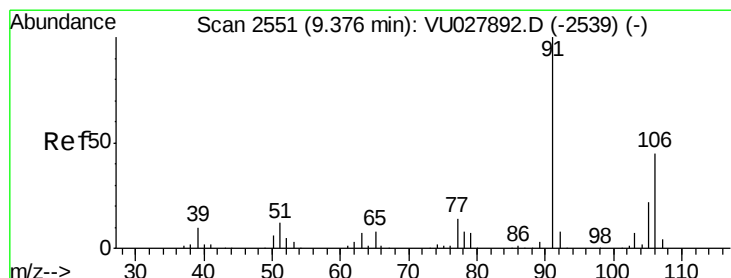
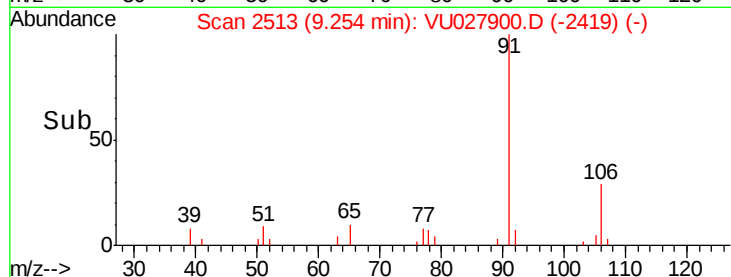
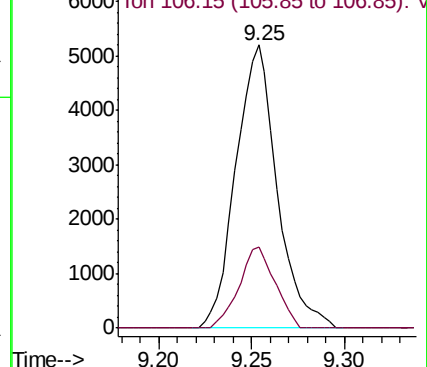
Ion Ratio Lower Upper

91 100

106 28.7 21.5 39.9



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



#53

m,p-xylene

Concen: 0.245 ug/L

RT: 9.38 min Scan# 2552

Delta R.T. 0.00 min

Lab File: VU027900.D

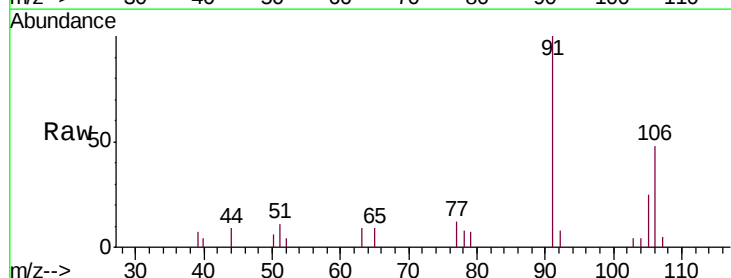
Acq: 01 Nov 2018 13:11

Tgt Ion: 106 Resp: 2682

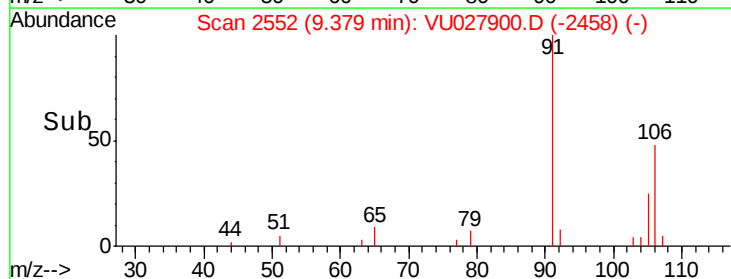
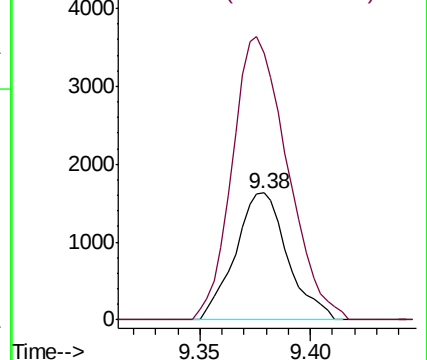
Ion Ratio Lower Upper

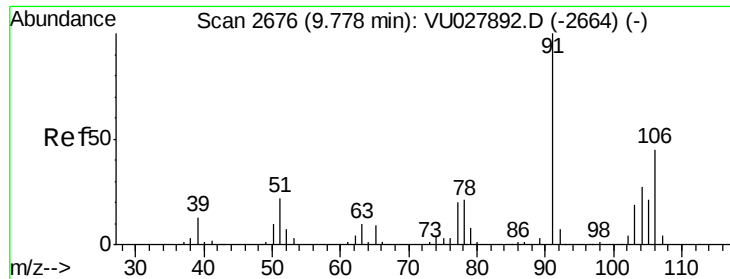
106 100

91 210.3 148.7 276.1



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

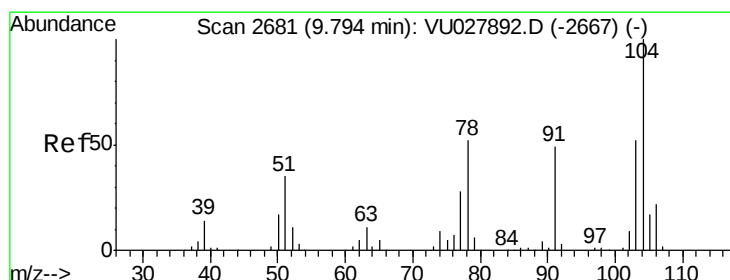
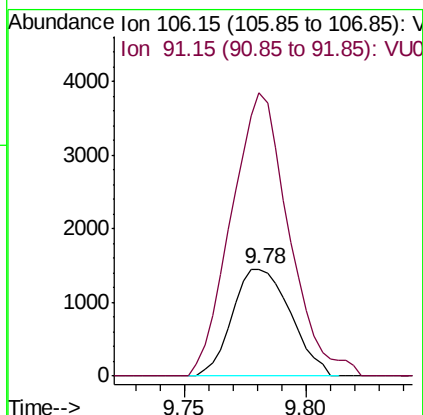
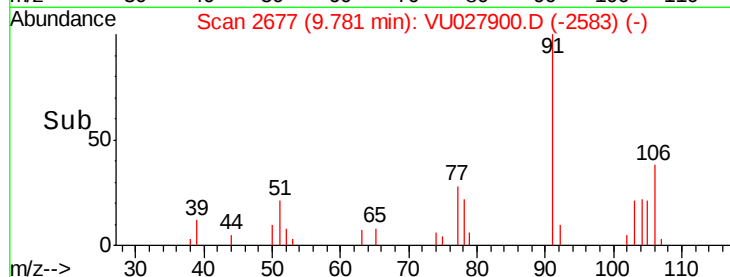
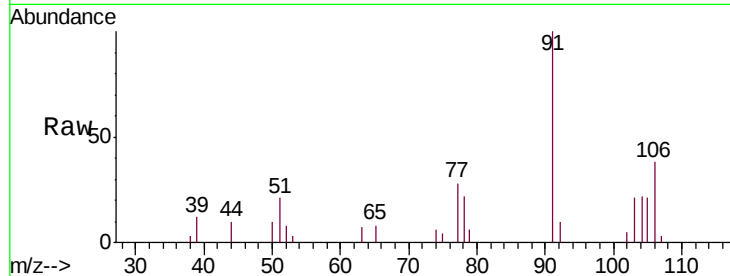




#54
o-xylene
Concen: 0.224 ug/L
RT: 9.78 min Scan# 2677
Delta R.T. 0.00 min
Lab File: VU027900.D
Acq: 01 Nov 2018 13:11

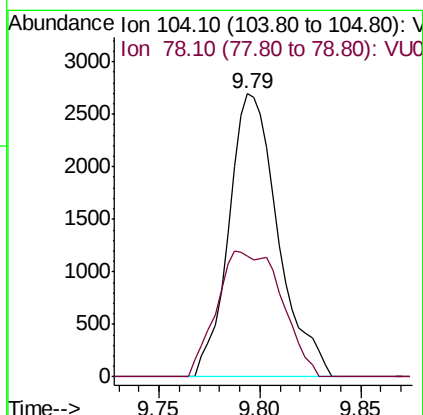
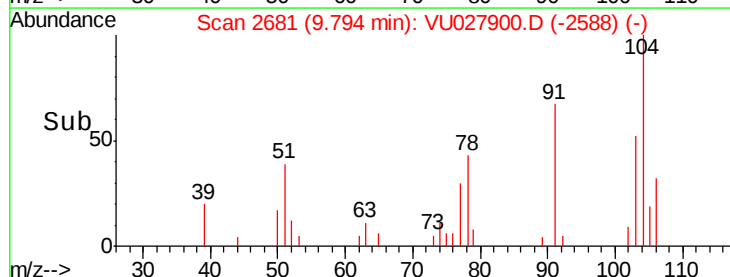
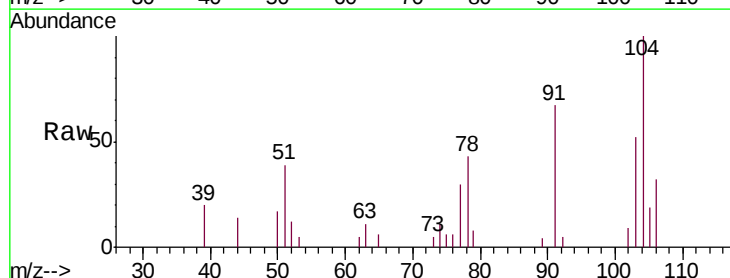
Instrument :
MSVOA_U
ClientSampled :
MDL07

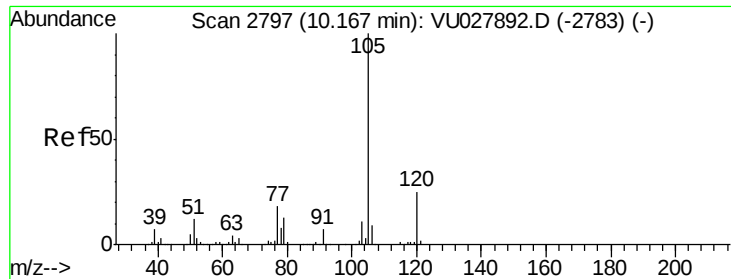
Tgt Ion:106 Resp: 2408
Ion Ratio Lower Upper
106 100
91 263.6 158.3 293.9



#55
Styrene
Concen: 0.256 ug/L
RT: 9.79 min Scan# 2681
Delta R.T. 0.00 min
Lab File: VU027900.D
Acq: 01 Nov 2018 13:11

Tgt Ion:104 Resp: 4607
Ion Ratio Lower Upper
104 100
78 42.7 35.6 66.0





#56

Isopropylbenzene

Concen: 0.260 ug/L

RT: 10.17 min Scan# 2797

Delta R.T. 0.00 min

Lab File: VU027900.D

Acq: 01 Nov 2018 13:11

Instrument :

MSVOA_U

ClientSampleId :

MDL07

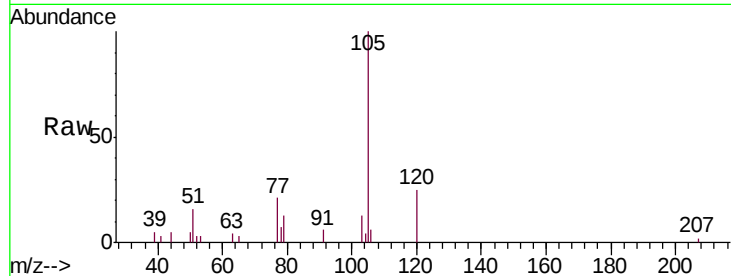
Tgt Ion:105 Resp: 7597

Ion Ratio Lower Upper

105 100

120 24.2 20.2 30.2

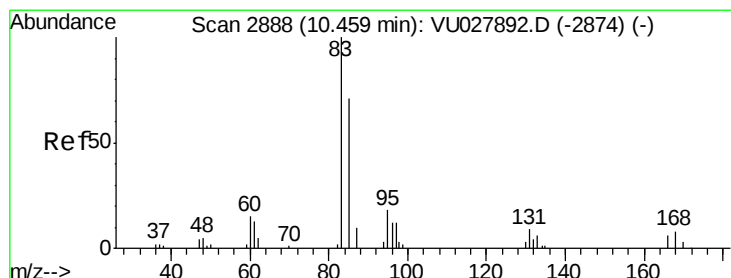
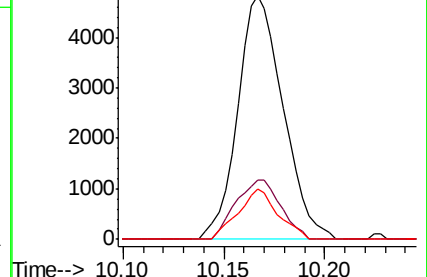
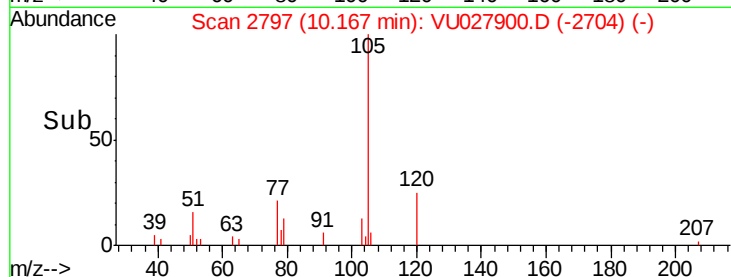
77 18.1 13.4 20.2



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: 0.264 ug/L

RT: 10.46 min Scan# 2887

Delta R.T. -0.00 min

Lab File: VU027900.D

Acq: 01 Nov 2018 13:11

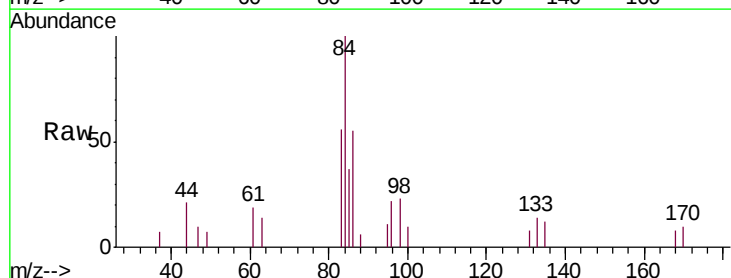
Tgt Ion: 83 Resp: 1525

Ion Ratio Lower Upper

83 100

85 65.2 44.4 82.4

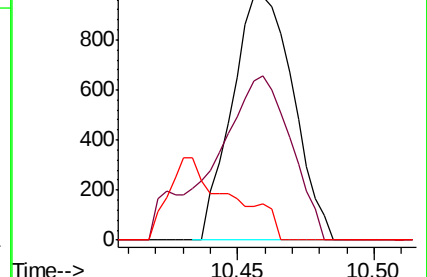
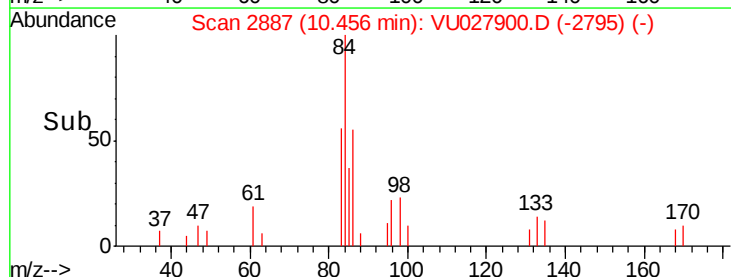
131 13.8 6.8 10.2#

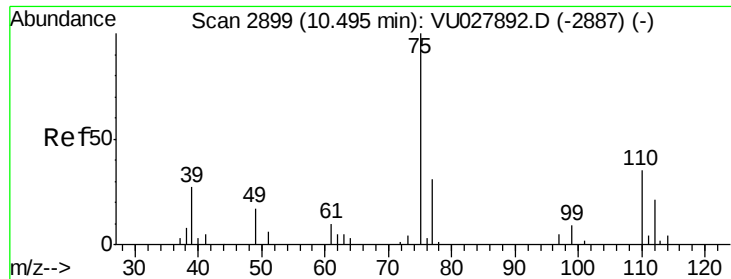


Abundance Ion 82.95 (82.65 to 83.65): V

Ion 85.00 (84.70 to 85.70): V

Ion 130.95 (130.65 to 131.65): V





#59

1,2,3-Trichloropropane

Concen: 0.259 ug/L

RT: 10.49 min Scan# 2898

Delta R.T. -0.00 min

Lab File: VU027900.D

Acq: 01 Nov 2018 13:11

Instrument :

MSVOA_U

ClientSampleId :

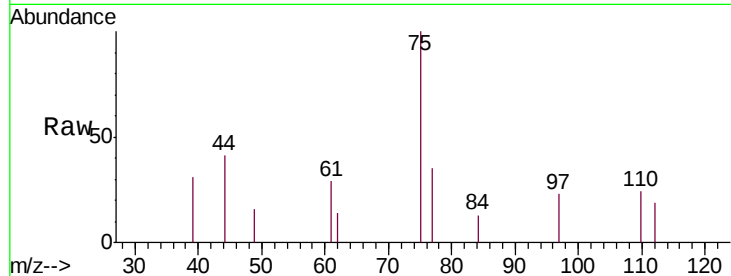
MDL07

Tgt Ion: 75 Resp: 1132

Ion Ratio Lower Upper

75 100

77 36.7 25.8 38.6



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0

10.49

800

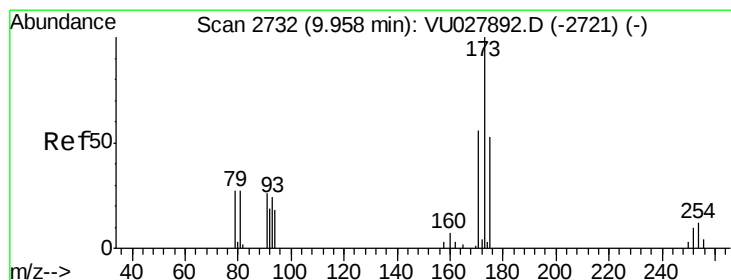
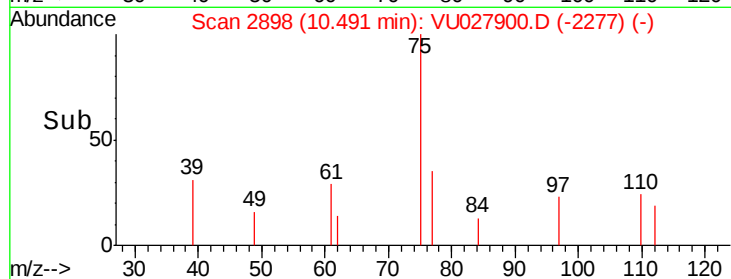
600

400

200

0

Time--> 10.45 10.50



#61

Bromoform

Concen: 0.232 ug/L

RT: 9.96 min Scan# 2732

Delta R.T. 0.00 min

Lab File: VU027900.D

Acq: 01 Nov 2018 13:11

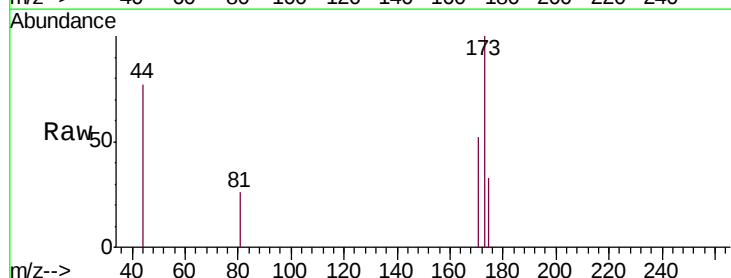
Tgt Ion: 173 Resp: 694

Ion Ratio Lower Upper

173 100

175 39.9 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

600

500

400

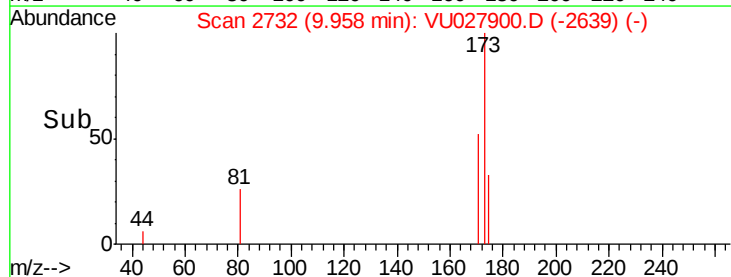
300

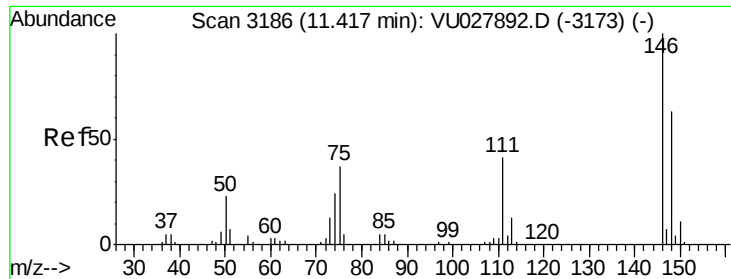
200

100

0

Time--> 9.95 10.00





#62

1,3-Dichlorobenzene

Concen: 0.259 ug/L

RT: 11.42 min Scan# 3187

Delta R.T. 0.00 min

Lab File: VU027900.D

Acq: 01 Nov 2018 13:11

Instrument :

MSVOA_U

ClientSampleId :

MDL07

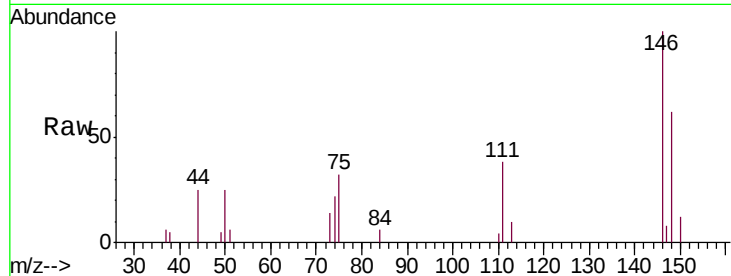
Tgt Ion:146 Resp: 3390

Ion Ratio Lower Upper

146 100

111 38.0 27.4 51.0

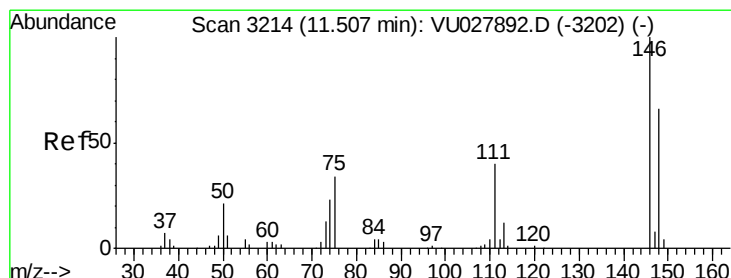
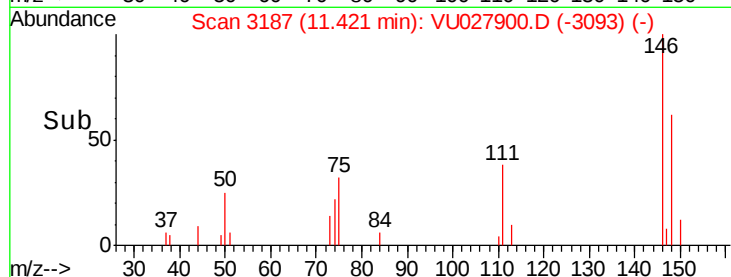
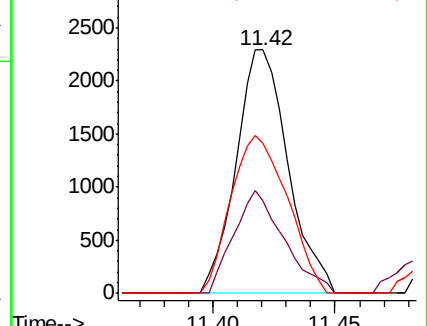
148 61.9 42.6 79.0



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: 0.263 ug/L

RT: 11.50 min Scan# 3213

Delta R.T. -0.00 min

Lab File: VU027900.D

Acq: 01 Nov 2018 13:11

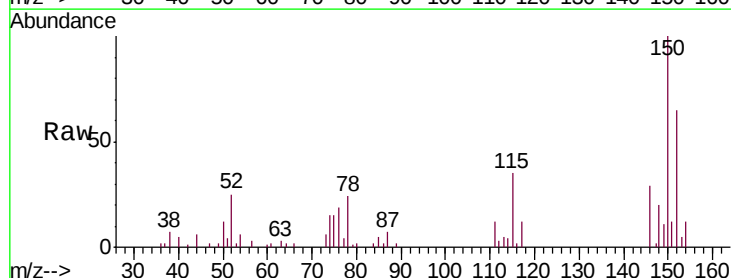
Tgt Ion:146 Resp: 3446

Ion Ratio Lower Upper

146 100

111 43.0 27.4 51.0

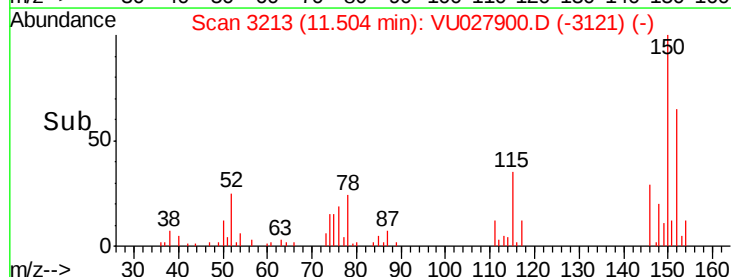
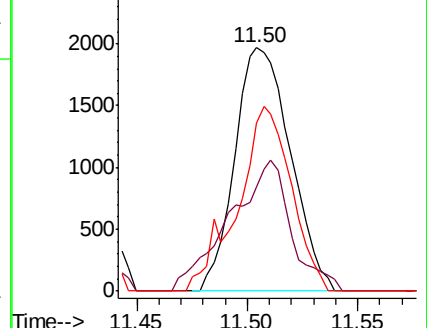
148 68.8 43.1 80.1

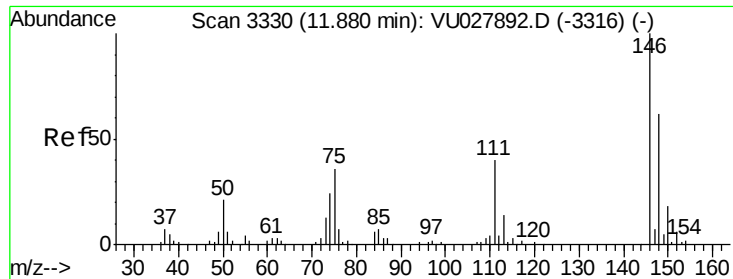


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 0.283 ug/L

RT: 11.88 min Scan# 3330

Delta R.T. 0.00 min

Lab File: VU027900.D

Acq: 01 Nov 2018 13:11

Instrument :

MSVOA_U

ClientSampled :

MDL07

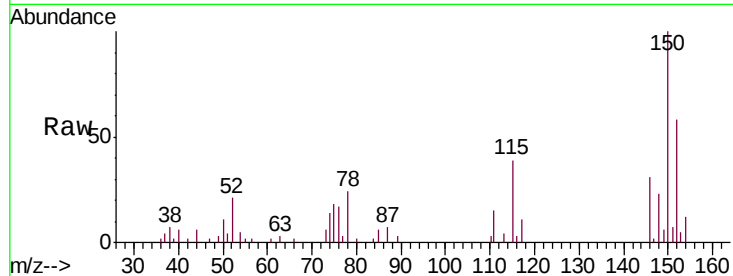
Tgt Ion:146 Resp: 3496

Ion Ratio Lower Upper

146 100

111 49.5 33.0 49.4#

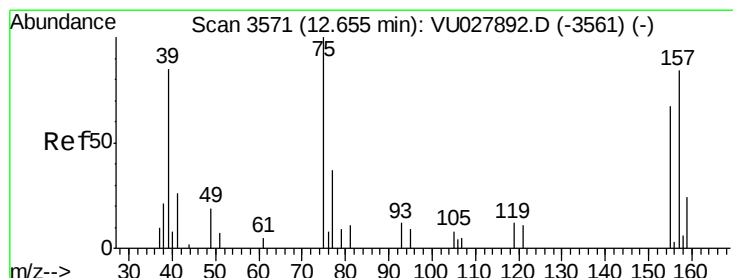
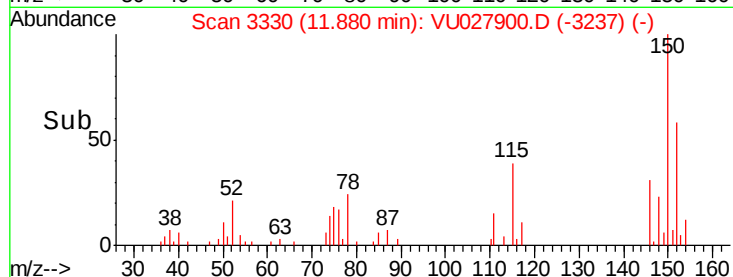
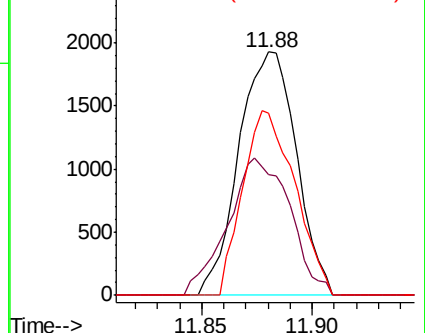
148 74.7 49.2 73.8#



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



#66

1,2-Dibromo-3-chloropropane

Concen: 0.196 ug/L

RT: 12.66 min Scan# 3574

Delta R.T. 0.01 min

Lab File: VU027900.D

Acq: 01 Nov 2018 13:11

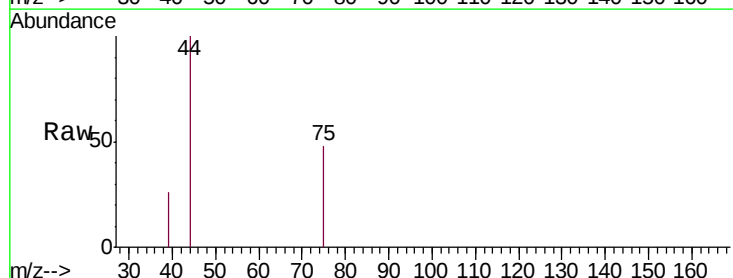
Tgt Ion: 75 Resp: 190

Ion Ratio Lower Upper

75 100

155 0.0 58.6 87.8#

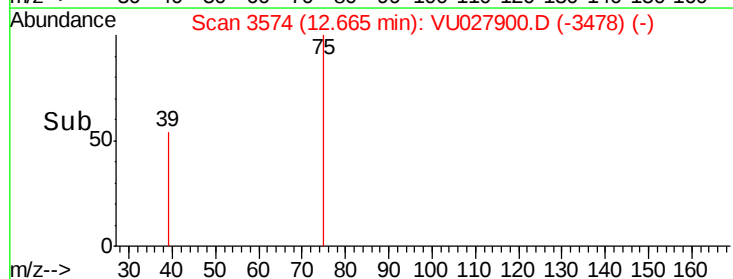
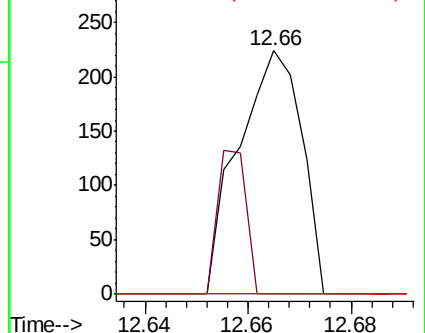
157 0.0 66.7 100.1#

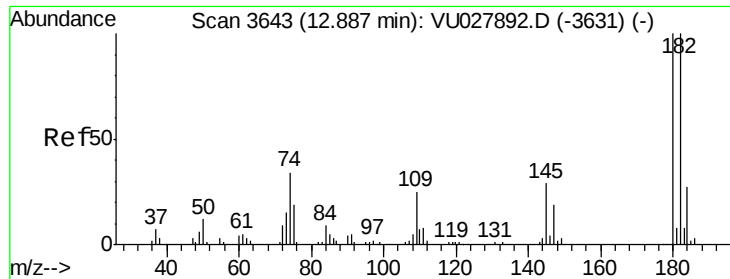


Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V

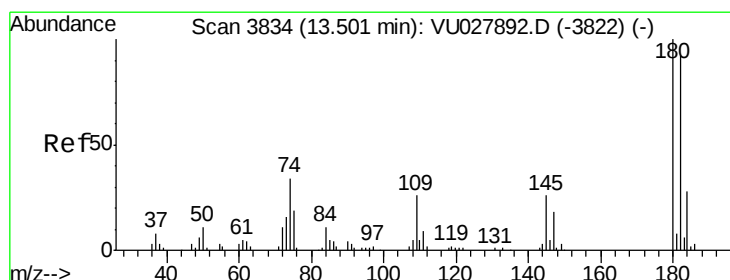
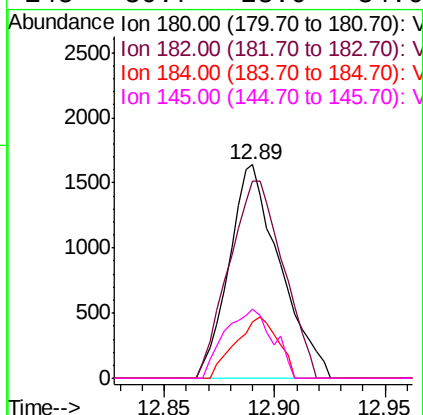
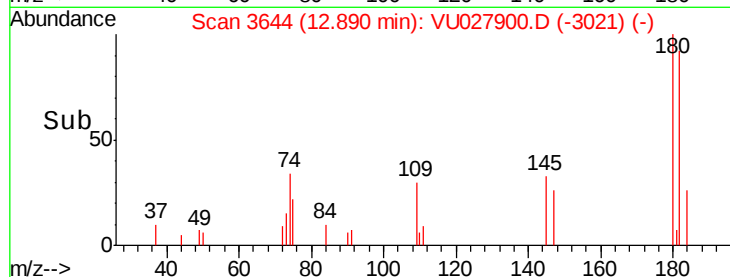
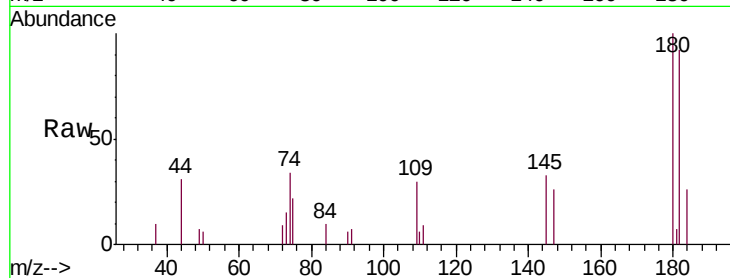




#67
 1,3,5-Trichlorobenzene
 Concen: 0.249 ug/L
 RT: 12.89 min Scan# 3644
 Delta R.T. 0.00 min
 Lab File: VU027900.D
 Acq: 01 Nov 2018 13:11

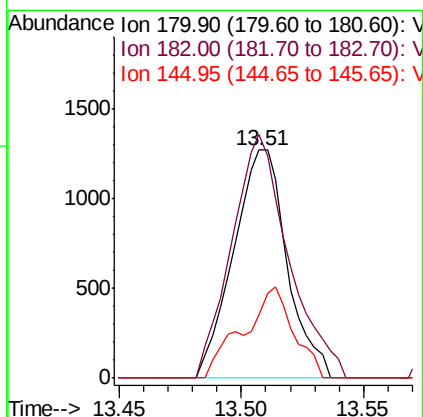
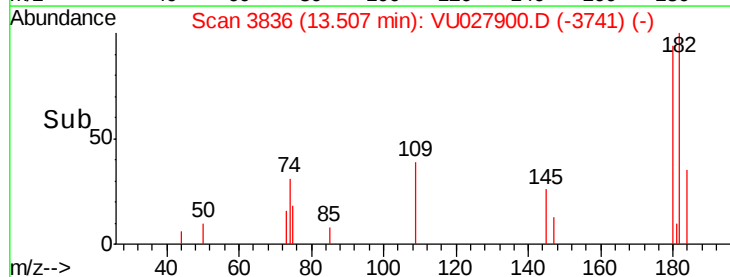
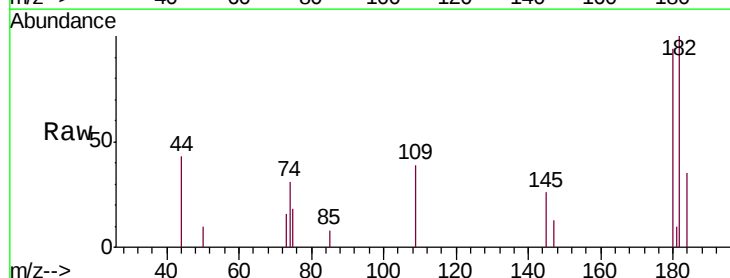
Instrument :
 MSVOA_U
 ClientSampleId :
 MDL07

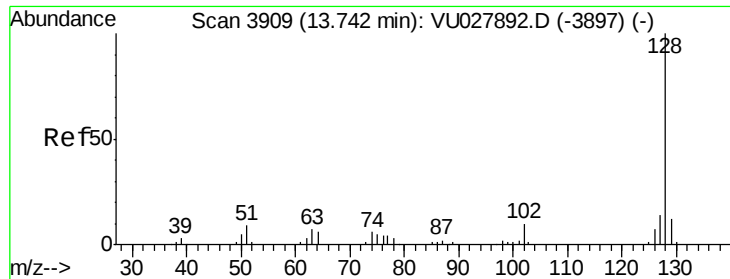
Tgt Ion:180 Resp: 2629
 Ion Ratio Lower Upper
 180 100
 182 98.1 77.3 115.9
 184 23.9 24.6 37.0#
 145 30.7 23.0 34.6



#68
 1,2,4-trichlorobenzene
 Concen: 0.216 ug/L
 RT: 13.51 min Scan# 3836
 Delta R.T. 0.01 min
 Lab File: VU027900.D
 Acq: 01 Nov 2018 13:11

Tgt Ion:180 Resp: 1932
 Ion Ratio Lower Upper
 180 100
 182 113.7 77.8 116.6
 145 37.8 22.9 34.3#





#69

Naphthalene

Concen: 0.238 ug/L

RT: 13.75 min Scan# 3912

Delta R.T. 0.01 min

Lab File: VU027900.D

Acq: 01 Nov 2018 13:11

Instrument :

MSVOA_U

ClientSampleId :

MDL07

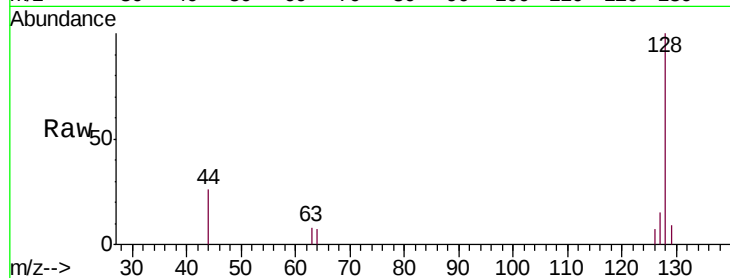
Tgt Ion:128 Resp: 3312

Ion Ratio Lower Upper

128 100

129 3.1 8.6 12.8#

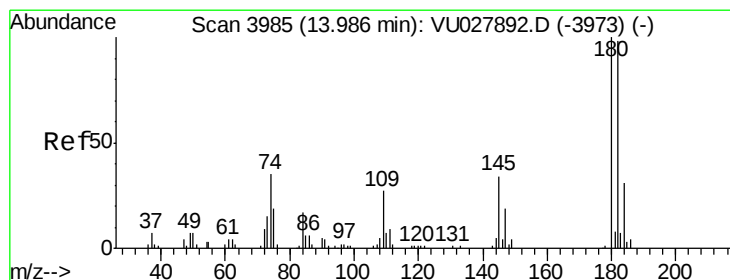
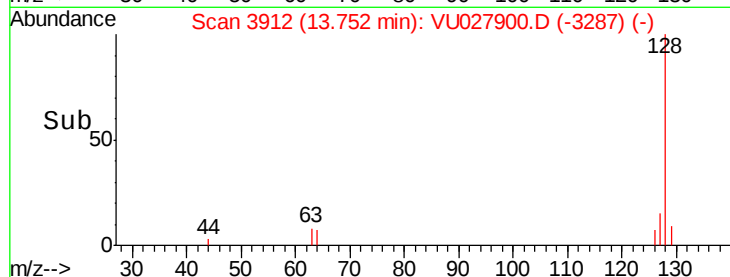
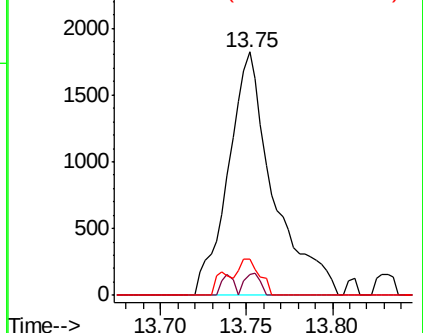
127 6.9 10.5 15.7#



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: 0.264 ug/L

RT: 13.99 min Scan# 3987

Delta R.T. 0.01 min

Lab File: VU027900.D

Acq: 01 Nov 2018 13:11

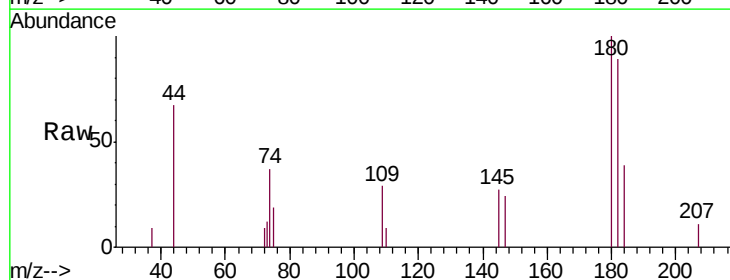
Tgt Ion:180 Resp: 2154

Ion Ratio Lower Upper

180 100

182 82.3 79.4 119.0

145 22.4 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

