

Data File : VU027875.D
Acq On : 30 Oct 2018 15:09
Operator : MD/SY
Sample : MDL04
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
MDL04

Quant Time: Oct 31 02:19:31 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR103018WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Wed Oct 31 02:11:32 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.89	114	78968	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	74284	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	36998	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	32724	5.30	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	106.00%
7) Chloroethane-d5	1.68	69	24703	5.19	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	103.80%
11) 1,1-Dichloroethene-d2	2.28	63	46823	4.00	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	80.00%
20) 2-Butanone-d5	4.20	46	97126	52.77	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	105.54%
24) Chloroform-d	4.65	84	56193	5.06	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	101.20%
26) 1,2-Dichloroethane-d4	5.31	65	32872	5.15	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	103.00%
32) Benzene-d6	5.34	84	109372	5.38	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	107.60%
36) 1,2-Dichloropropane-d6	6.34	67	38188	5.30	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	106.00%
41) Toluene-d8	7.57	98	100255	5.18	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	103.60%
43) trans-1,3-Dichloropropene-	7.85	79	14299	5.13	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	102.60%
46) 2-Hexanone-d5	8.31	63	81340	53.36	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	106.72%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	26845	5.27	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	105.40%
64) 1,2-Dichlorobenzene-d4	11.86	152	35832	5.06	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	101.20%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.21	85	2472	0.318 ug/L	92
3) Chloromethane	1.33	50	2660	0.345 ug/L	96
5) Vinyl chloride	1.40	62	2342	0.305 ug/L #	62
6) Bromomethane	1.63	94	828	0.328 ug/L	93
8) Chloroethane	1.70	64	1526	0.339 ug/L	87
9) Trichlorofluoromethane	1.89	101	3664	0.360 ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.29	101	1834	0.353 ug/L	90
12) 1,1-Dichloroethene	2.29	96	1778	0.363 ug/L #	1
13) Acetone	2.33	43	4075	3.512 ug/L	91
14) Carbon disulfide	2.48	76	5630	0.321 ug/L	98
15) Methyl Acetate	2.62	43	1446	0.466 ug/L #	77
16) Methylene chloride	2.71	84	1879	0.341 ug/L	98
17) Methyl tert-butyl Ether	3.01	73	4776	0.327 ug/L	98
18) trans-1,2-Dichloroethene	2.99	96	1816	0.348 ug/L	100
19) 1,1-Dichloroethane	3.45	63	3477	0.316 ug/L	92
21) 2-Butanone	4.29	43	6444	3.195 ug/L #	72
22) cis-1,2-Dichloroethene	4.23	96	1292	0.214 ug/L	86

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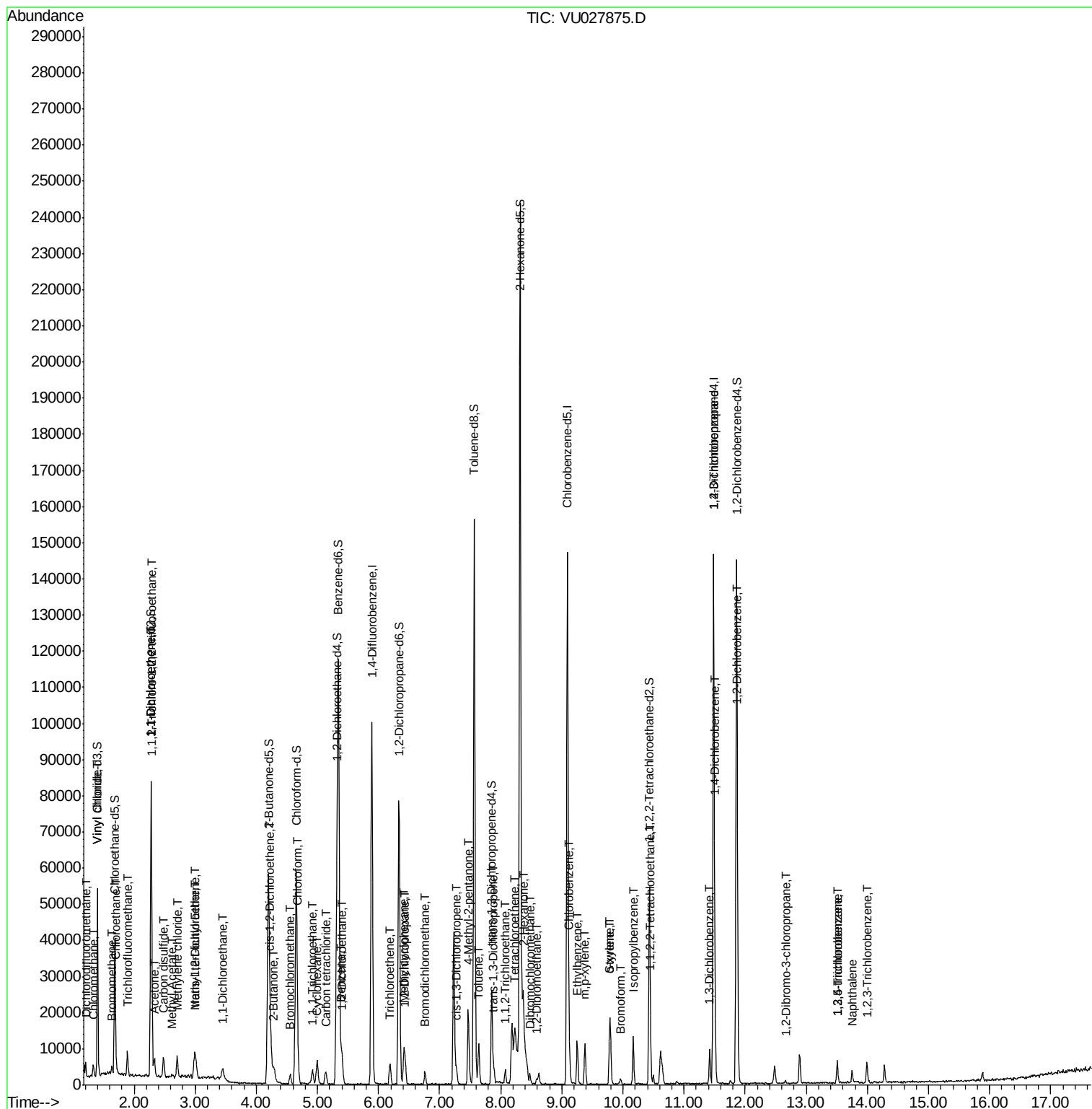
23) Bromochloromethane	4.56	128	586	0.235	ug/L #	49
25) Chloroform	4.68	83	3429	0.307	ug/L	77
27) 1,2-Dichloroethane	5.41	62	2484	0.319	ug/L #	88
29) 1,1,1-Trichloroethane	4.92	97	3034	0.317	ug/L	96
30) Cyclohexane	4.99	56	3645	0.324	ug/L	97
31) Carbon tetrachloride	5.13	117	2676	0.325	ug/L	95
33) Benzene	5.40	78	7842	0.333	ug/L	100
34) Trichloroethene	6.19	95	2049	0.335	ug/L	90
35) Methylcyclohexane	6.41	83	3259	0.313	ug/L	98
37) 1,2-Dichloropropane	6.44	63	2196	0.328	ug/L #	90
38) Bromodichloromethane	6.76	83	2447	0.312	ug/L #	87
39) cis-1,3-Dichloropropene	7.28	75	3195	0.333	ug/L	95
40) 4-Methyl-2-pentanone	7.47	43	15137	3.197	ug/L #	90
42) Toluene	7.64	91	8360	0.340	ug/L	93
44) trans-1,3-Dichloropropene	7.88	75	3055	0.371	ug/L	99
45) 1,1,2-Trichloroethane	8.07	97	1236	0.300	ug/L	85
47) Tetrachloroethene	8.23	164	1748	0.372	ug/L	80
48) 2-Hexanone	8.37	43	12375	3.626	ug/L	95
49) Dibromochloromethane	8.48	129	1568	0.315	ug/L	95
50) 1,2-Dibromoethane	8.59	107	1288	0.327	ug/L #	86
51) Chlorobenzene	9.12	112	5243	0.343	ug/L	91
52) Ethylbenzene	9.25	91	8920	0.318	ug/L	99
53) m,p-xylene	9.38	106	3118	0.306	ug/L	89
54) o-xylene	9.78	106	3056	0.306	ug/L	77
55) Styrene	9.80	104	4956	0.296	ug/L	91
56) Isopropylbenzene	10.17	105	8219	0.302	ug/L #	93
58) 1,1,2,2-Tetrachloroethane	10.46	83	1763	0.328	ug/L #	95
59) 1,2,3-Trichloropropane	11.48	75	6182	1.522	ug/L	96
61) Bromoform	9.96	173	778	0.286	ug/L #	78
62) 1,3-Dichlorobenzene	11.42	146	4130	0.347	ug/L	91
63) 1,4-Dichlorobenzene	11.51	146	3925	0.330	ug/L	90
65) 1,2-Dichlorobenzene	11.88	146	3852	0.343	ug/L	94
66) 1,2-Dibromo-3-chloropropan	12.65	75	183	0.208	ug/L #	69
67) 1,3,5-Trichlorobenzene	13.51	180	2529	0.264	ug/L	94
68) 1,2,4-trichlorobenzene	13.51	180	2529	0.311	ug/L	93
69) Naphthalene	13.75	128	3427	0.271	ug/L #	90
70) 1,2,3-Trichlorobenzene	13.99	180	2458	0.331	ug/L	93

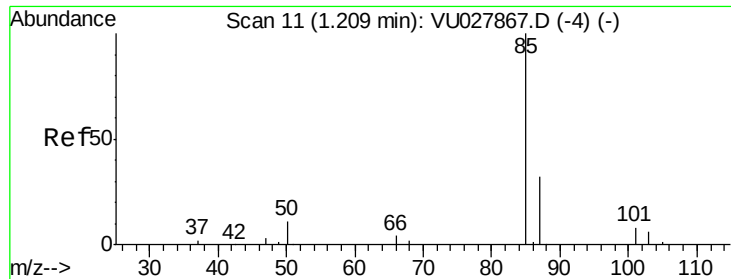
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 0.318 ug/L

RT: 1.21 min Scan# 11

Delta R.T. 0.00 min

Lab File: VU027875.D

Acq: 30 Oct 2018 15:09

Instrument :

MSVOA_U

ClientSampled :

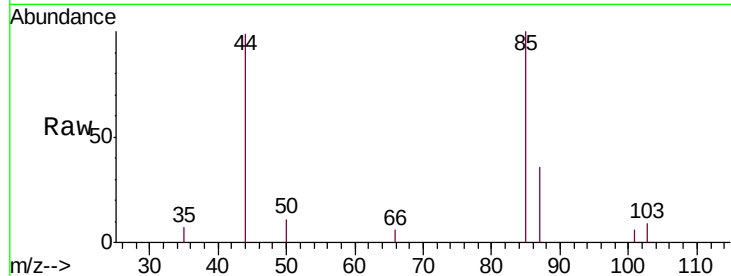
MDL04

Tgt Ion: 85 Resp: 2472

Ion Ratio Lower Upper

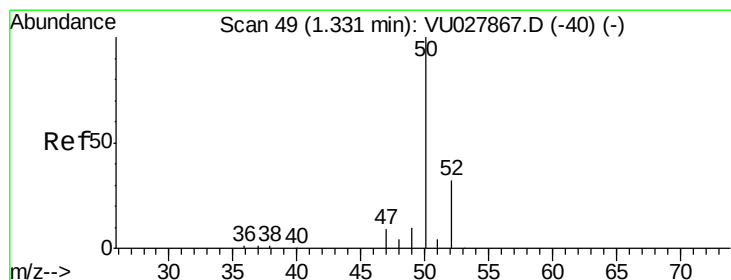
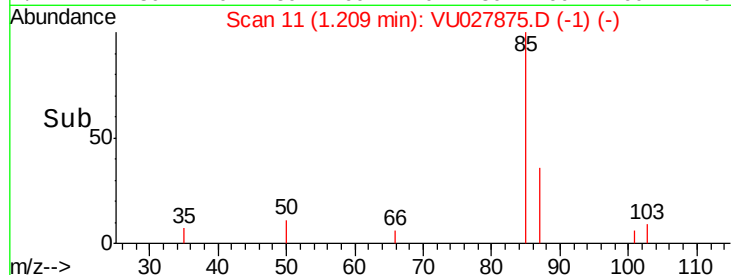
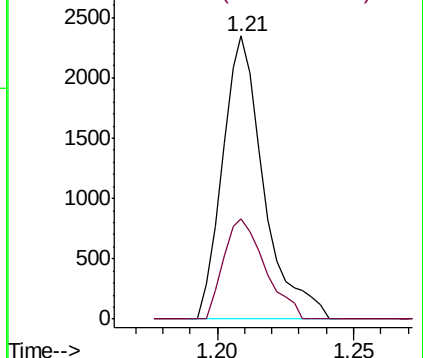
85 100

87 35.7 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: 0.345 ug/L

RT: 1.33 min Scan# 49

Delta R.T. 0.00 min

Lab File: VU027875.D

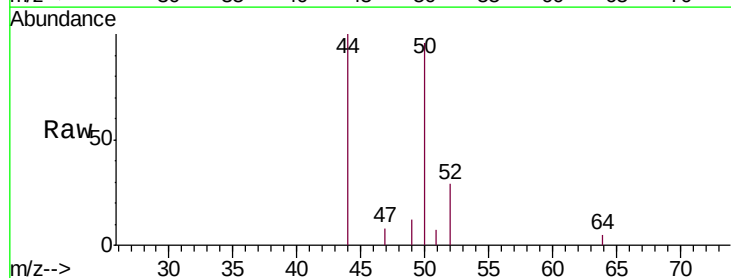
Acq: 30 Oct 2018 15:09

Tgt Ion: 50 Resp: 2660

Ion Ratio Lower Upper

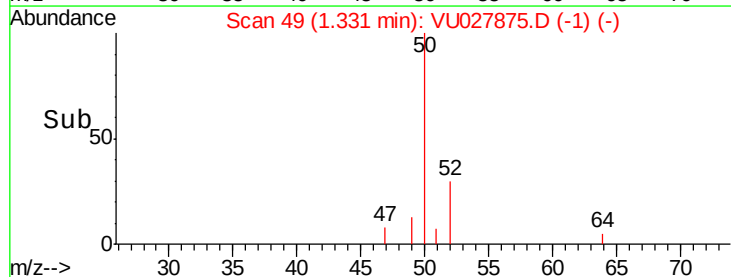
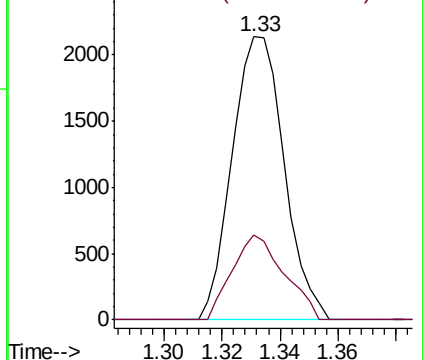
50 100

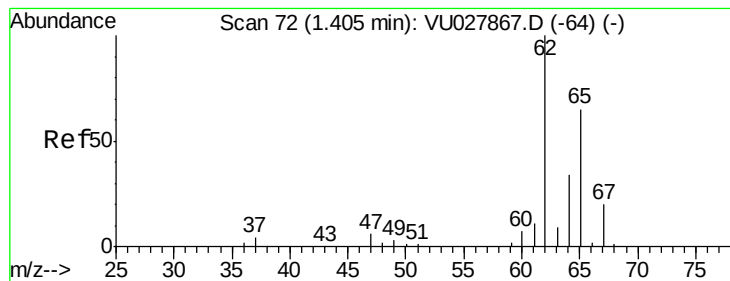
52 29.8 22.3 41.5



Abundance Ion 50.05 (49.75 to 50.75): VU0

Ion 52.05 (51.75 to 52.75): VU0





#5

Vinyl chloride

Concen: 0.305 ug/L

RT: 1.40 min Scan# 72

Delta R.T. 0.00 min

Lab File: VU027875.D

Acq: 30 Oct 2018 15:09

Instrument :

MSVOA_U

ClientSampleId :

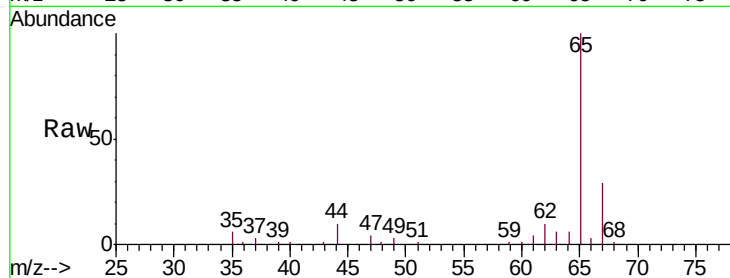
MDL04

Tgt Ion: 62 Resp: 2342

Ion Ratio Lower Upper

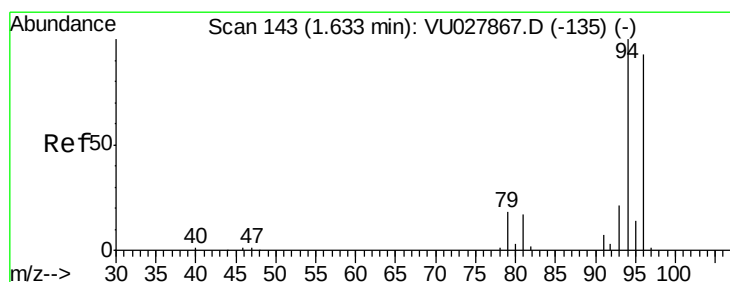
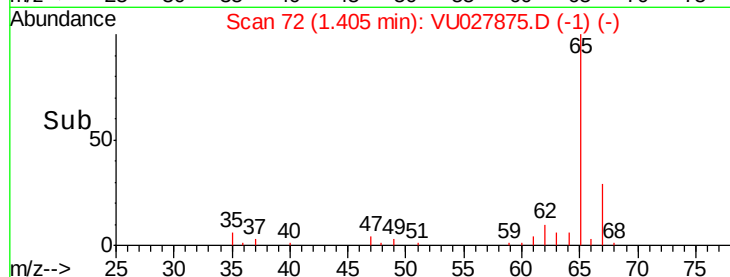
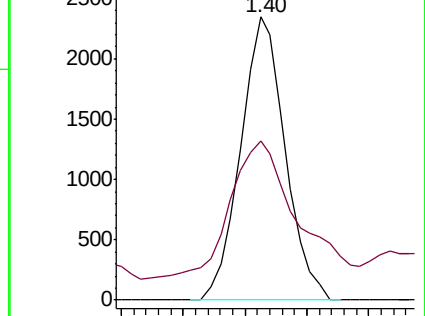
62 100

64 56.1 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: 0.328 ug/L

RT: 1.63 min Scan# 143

Delta R.T. 0.00 min

Lab File: VU027875.D

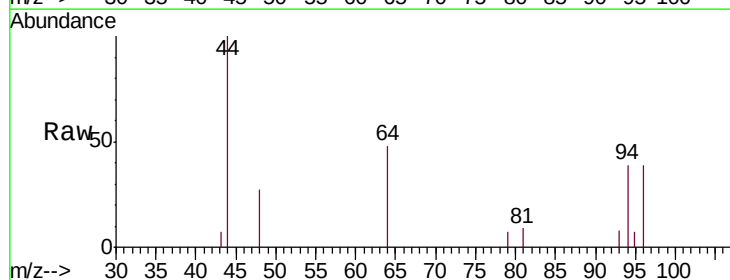
Acq: 30 Oct 2018 15:09

Tgt Ion: 94 Resp: 828

Ion Ratio Lower Upper

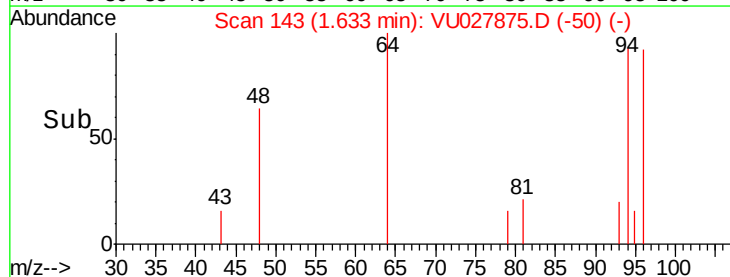
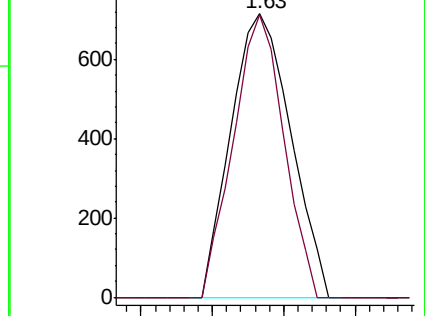
94 100

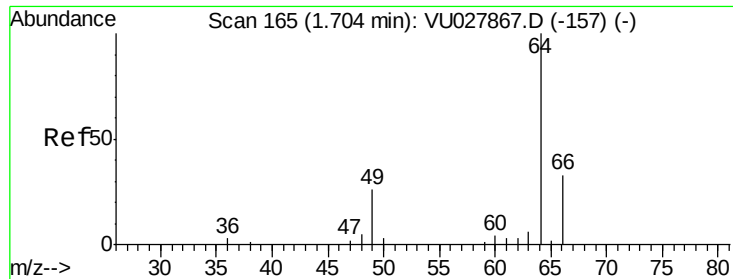
96 99.7 65.0 120.6



Abundance Ion 94.00 (93.70 to 94.70): VU0

Ion 96.00 (95.70 to 96.70): VU0

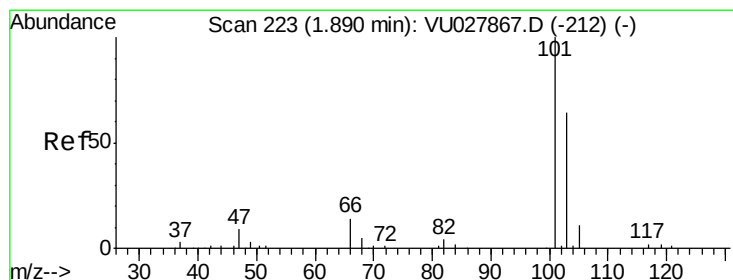
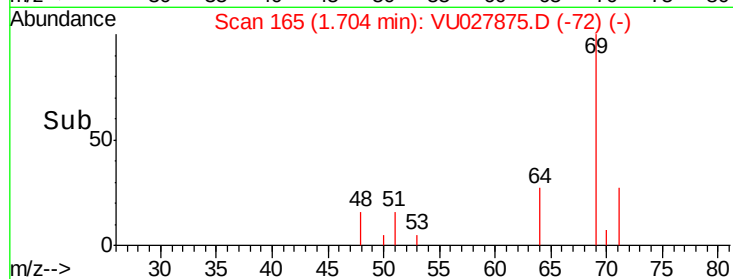
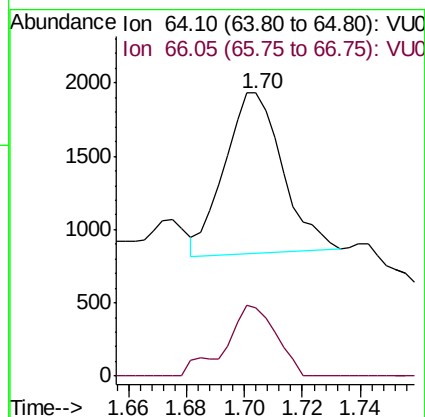
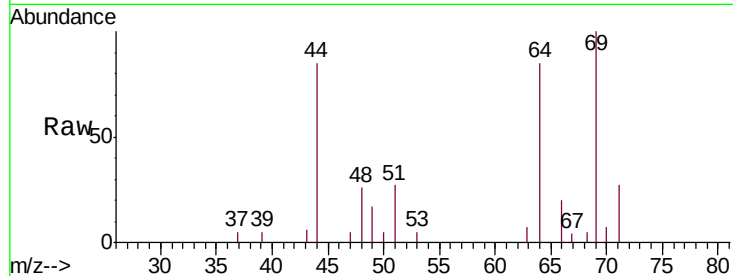




#8
Chloroethane
Concen: 0.339 ug/L
RT: 1.70 min Scan# 165
Delta R.T. 0.00 min
Lab File: VU027875.D
Acq: 30 Oct 2018 15:09

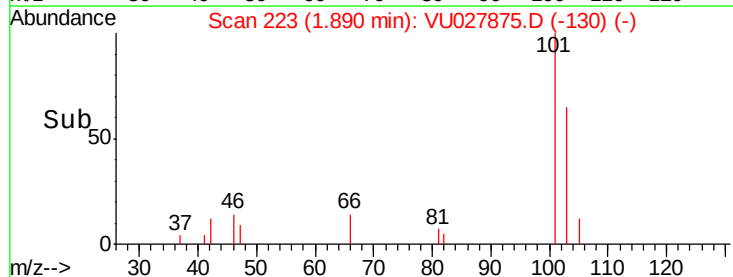
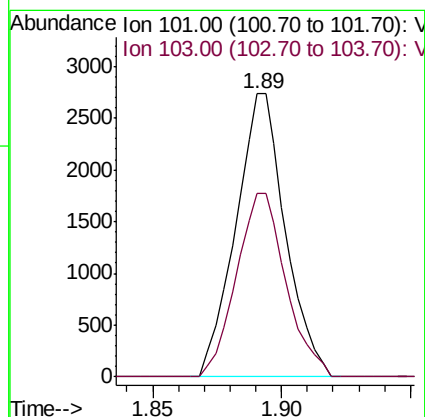
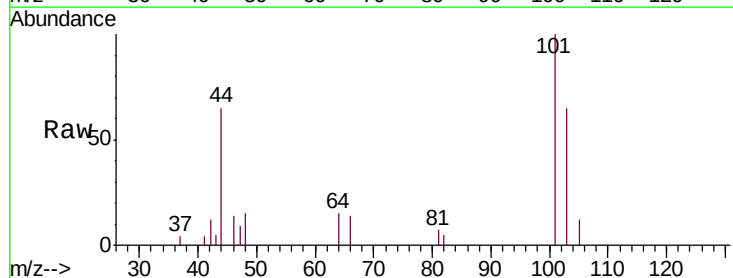
Instrument :
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MDL04

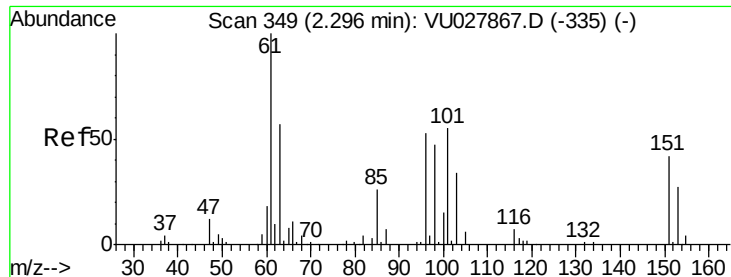
Tgt Ion: 64 Resp: 1526
Ion Ratio Lower Upper
64 100
66 24.1 21.8 40.6



#9
Trichlorofluoromethane
Concen: 0.360 ug/L
RT: 1.89 min Scan# 223
Delta R.T. 0.00 min
Lab File: VU027875.D
Acq: 30 Oct 2018 15:09

Tgt Ion: 101 Resp: 3664
Ion Ratio Lower Upper
101 100
103 64.8 51.4 77.0





#10

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

Concen: 0.353 ug/L

RT: 2.29 min Scan# 348

Delta R.T. -0.00 min

Lab File: VU027875.D

Acq: 30 Oct 2018 15:09

Instrument :

MSVOA_U

ClientSampleId :

MDL04

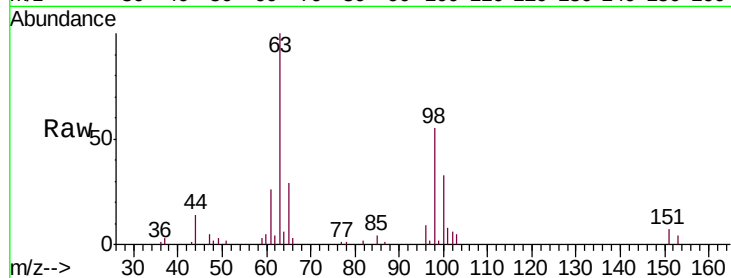
Tgt Ion:101 Resp: 1834

Ion Ratio Lower Upper

101 100

85 44.3 37.1 55.7

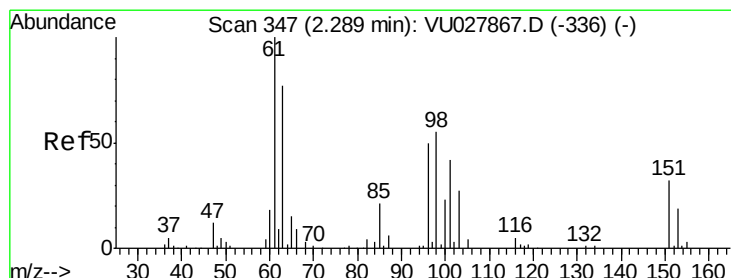
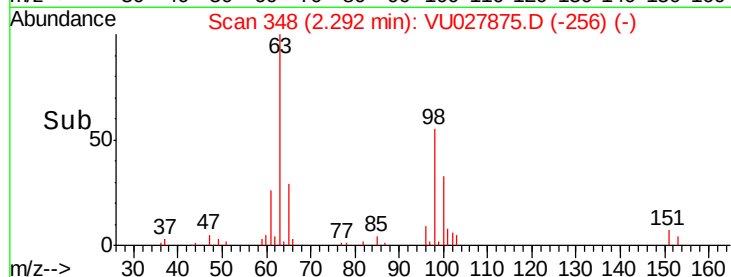
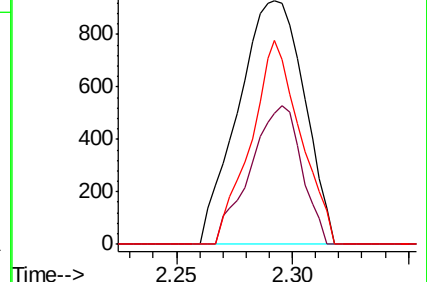
151 62.8 59.9 89.9



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: 0.363 ug/L

RT: 2.29 min Scan# 347

Delta R.T. 0.00 min

Lab File: VU027875.D

Acq: 30 Oct 2018 15:09

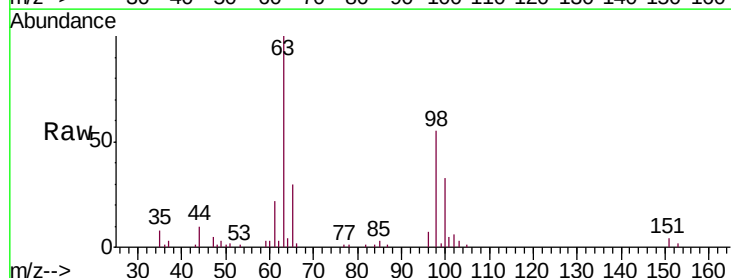
Tgt Ion: 96 Resp: 1778

Ion Ratio Lower Upper

96 100

61 331.0 141.1 262.1#

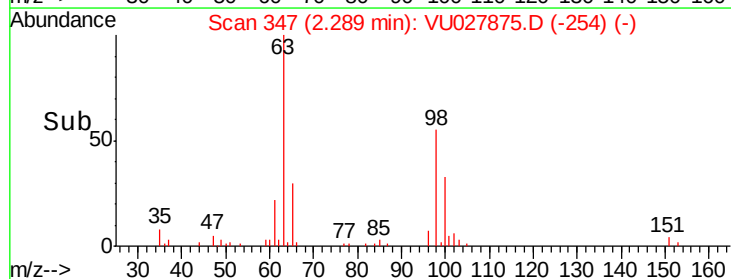
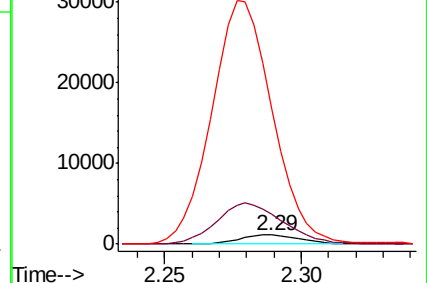
63 1491.2 113.0 209.9#

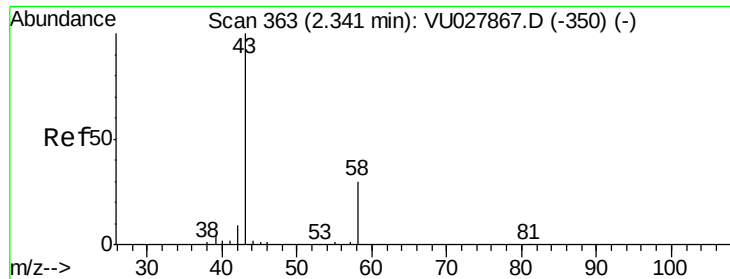


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 3.512 ug/L

RT: 2.33 min Scan# 359

Delta R.T. -0.01 min

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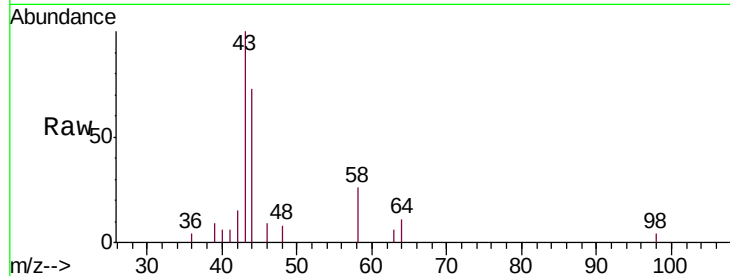
MDL04

Tgt Ion: 43 Resp: 4075

Ion Ratio Lower Upper

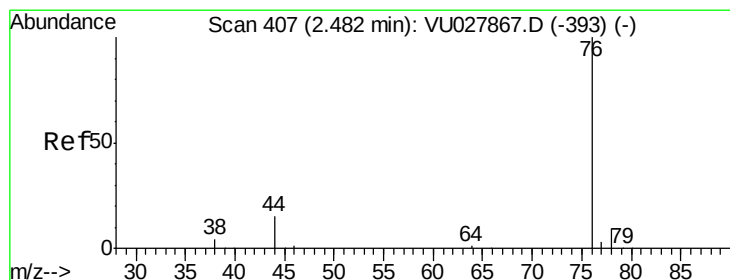
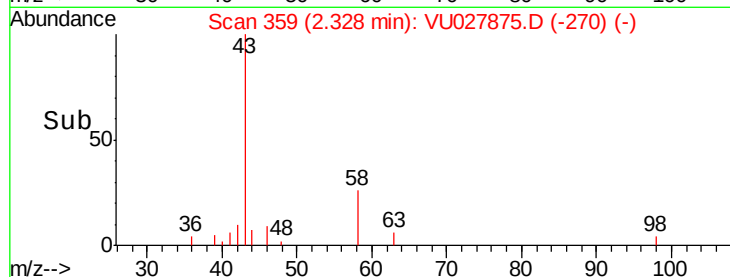
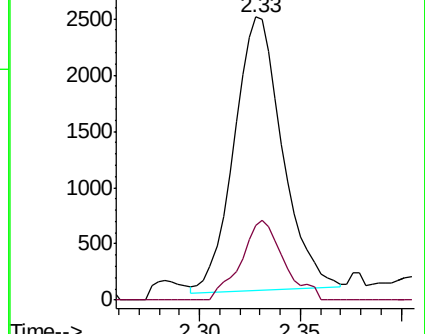
43 100

58 25.7 0.0 61.4



Abundance Ion 43.05 (42.75 to 43.75): VU0

Ion 58.05 (57.75 to 58.75): VU0



#14

Carbon disulfide

Concen: 0.321 ug/L

RT: 2.48 min Scan# 407

Delta R.T. 0.00 min

Lab File: VU027875.D

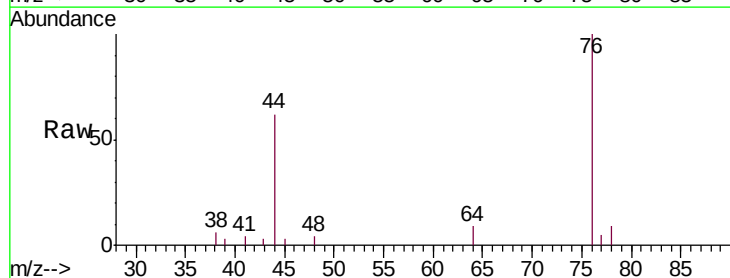
Acq: 30 Oct 2018 15:09

Tgt Ion: 76 Resp: 5630

Ion Ratio Lower Upper

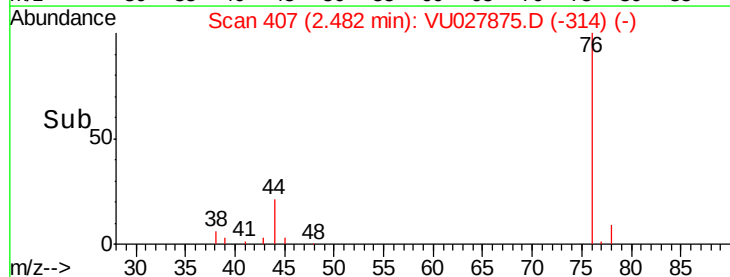
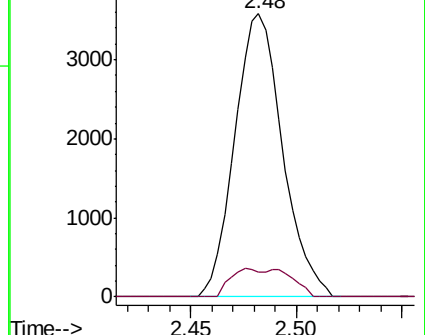
76 100

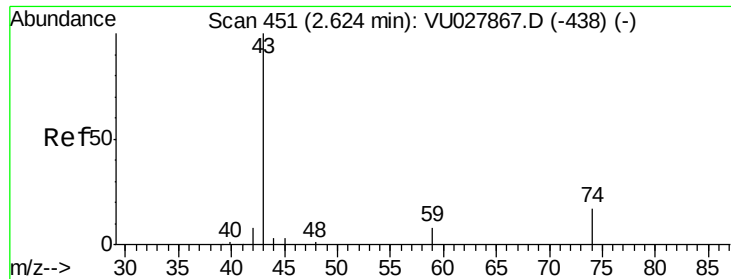
78 8.7 7.5 11.3



Abundance Ion 76.05 (75.75 to 76.75): VU0

Ion 78.00 (77.70 to 78.70): VU0

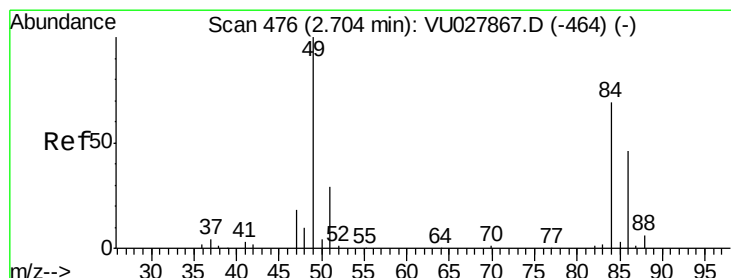
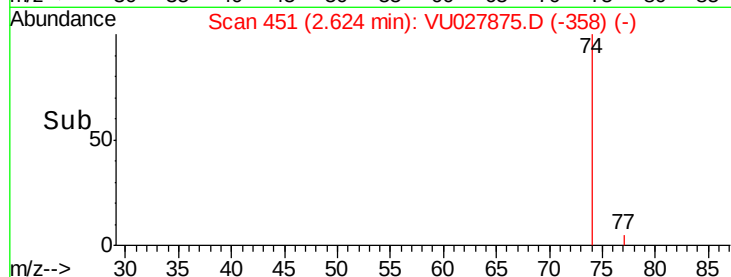
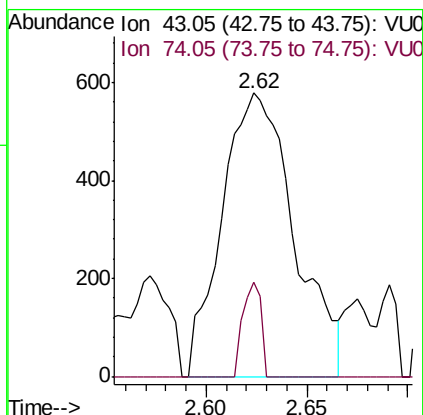
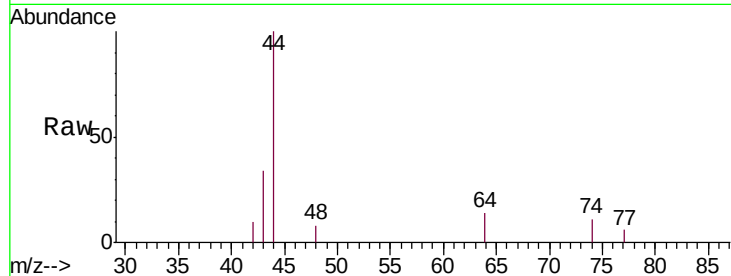




#15
Methyl Acetate
Concen: 0.466 ug/L
RT: 2.62 min Scan# 451
Delta R.T. 0.00 min
Lab File: VU027875.D
Acq: 30 Oct 2018 15:09

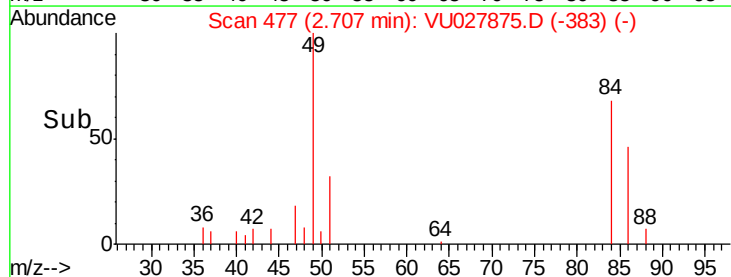
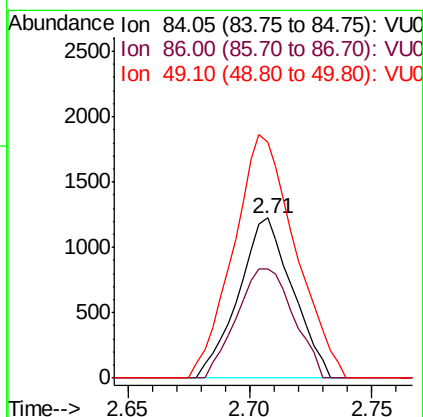
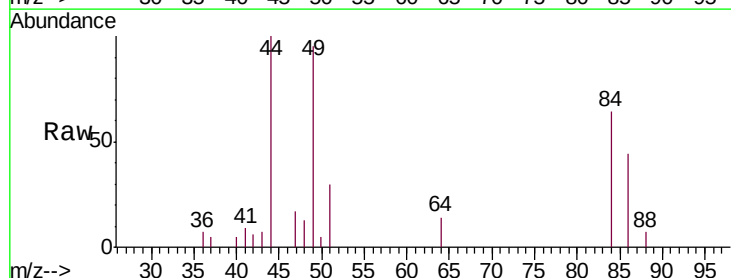
Instrument :
MSVOA_U
ClientSampleId :
MDL04

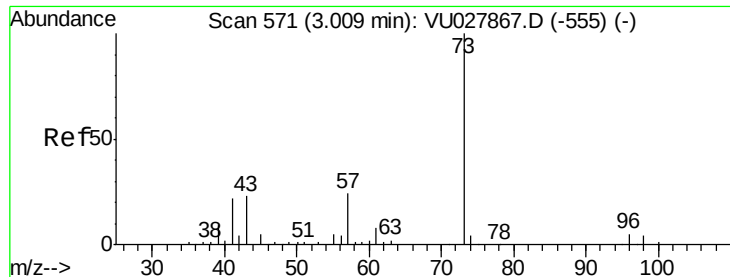
Tgt Ion: 43 Resp: 1446
Ion Ratio Lower Upper
43 100
74 8.4 14.9 22.3#



#16
Methylene chloride
Concen: 0.341 ug/L
RT: 2.71 min Scan# 477
Delta R.T. 0.00 min
Lab File: VU027875.D
Acq: 30 Oct 2018 15:09

Tgt Ion: 84 Resp: 1879
Ion Ratio Lower Upper
84 100
86 68.5 46.7 86.7
49 147.8 101.3 188.1

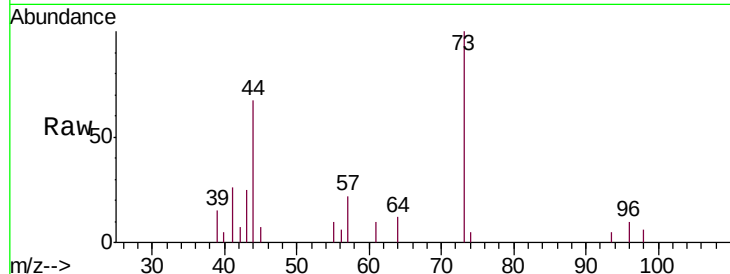




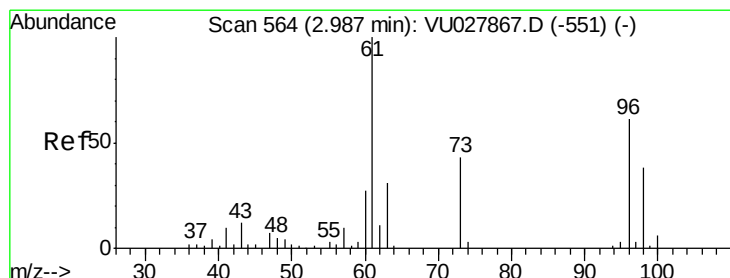
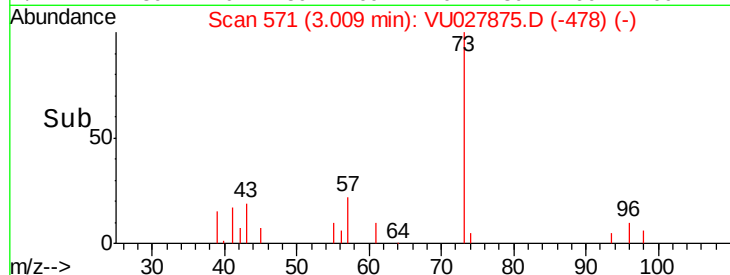
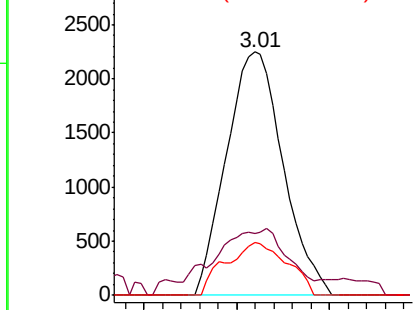
#17
Methyl tert-butyl Ether
Concen: 0.327 ug/L
RT: 3.01 min Scan# 571
Delta R.T. 0.00 min
Lab File: VU027875.D
Acq: 30 Oct 2018 15:09

Instrument :
MSVOA_U
ClientSampleId :
MDL04

Tgt Ion: 73 Resp: 4776
Ion Ratio Lower Upper
73 100
43 25.0 18.7 28.1
57 23.4 18.7 28.1

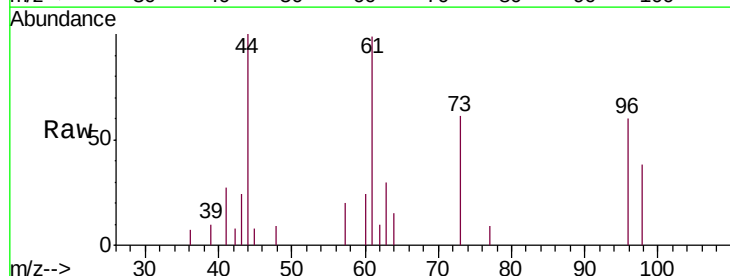


Abundance Ion 73.10 (72.80 to 73.80): VU0
Ion 43.05 (42.75 to 43.75): VU0
Ion 57.10 (56.80 to 57.80): VU0

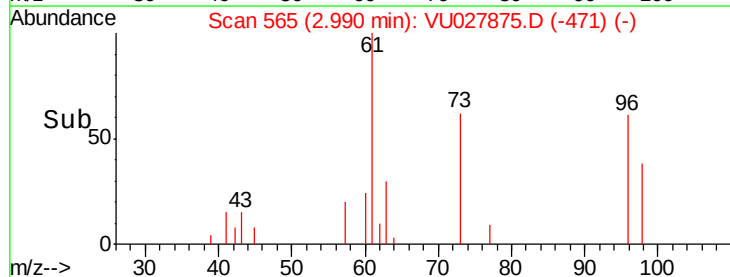
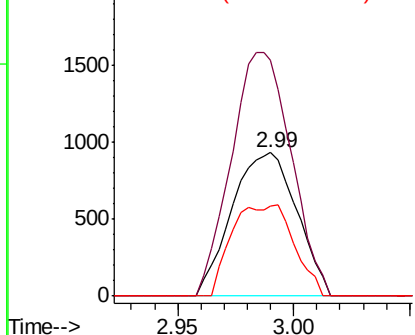


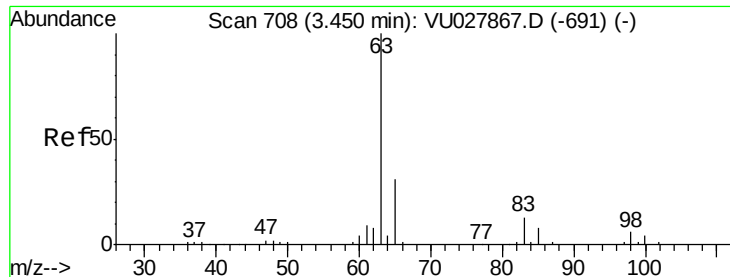
#18
trans-1,2-Dichloroethene
Concen: 0.348 ug/L
RT: 2.99 min Scan# 565
Delta R.T. 0.00 min
Lab File: VU027875.D
Acq: 30 Oct 2018 15:09

Tgt Ion: 96 Resp: 1816
Ion Ratio Lower Upper
96 100
61 164.8 115.2 214.0
98 62.7 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

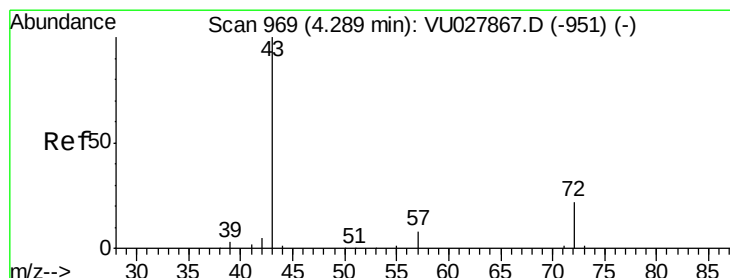
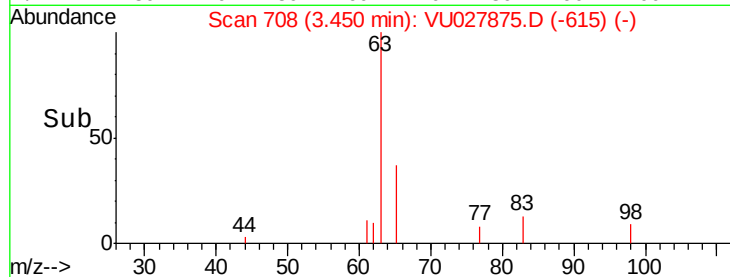
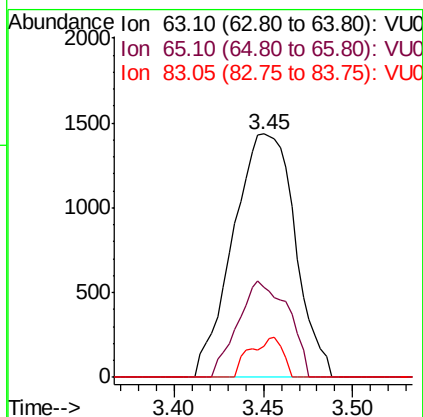
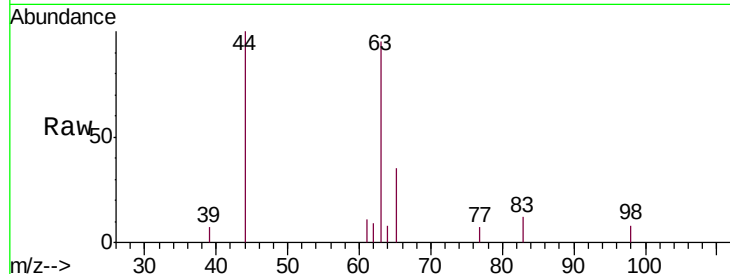




#19
 1,1-Dichloroethane
 Concen: 0.316 ug/L
 RT: 3.45 min Scan# 708
 Delta R.T. 0.00 min
 Lab File: VU027875.D
 Acq: 30 Oct 2018 15:09

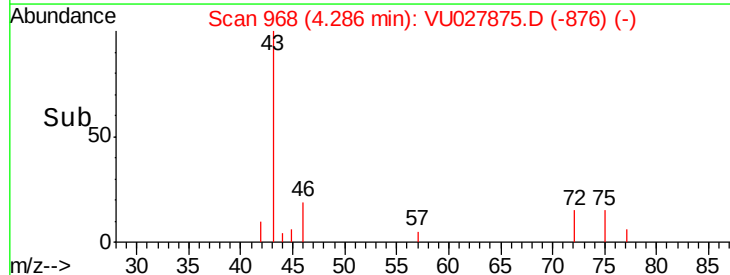
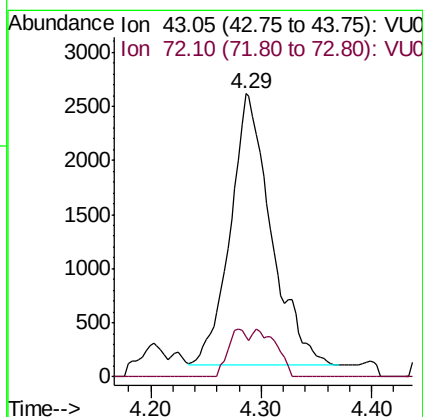
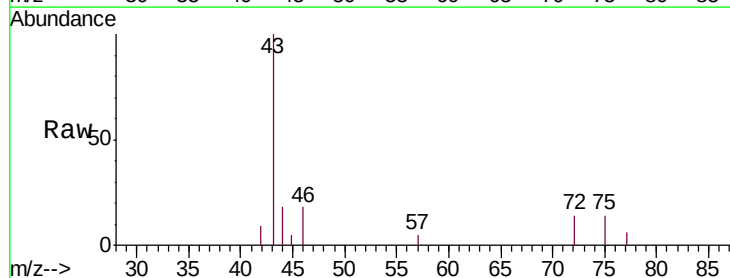
Instrument :
 MSVOA_U
 ClientSampleId :
 MDL04

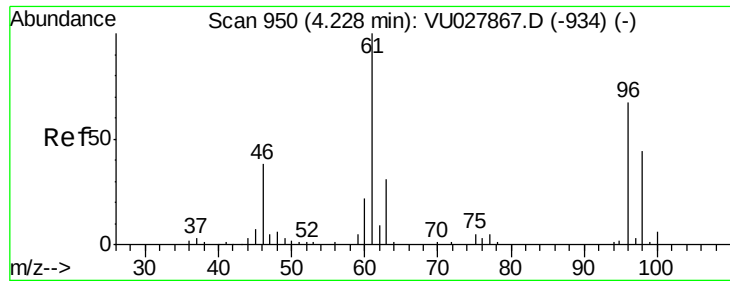
Tgt Ion: 63 Resp: 3477
 Ion Ratio Lower Upper
 63 100
 65 37.0 21.8 40.4
 83 13.0 9.4 17.4



#21
 2-Butanone
 Concen: 3.195 ug/L
 RT: 4.29 min Scan# 968
 Delta R.T. -0.00 min
 Lab File: VU027875.D
 Acq: 30 Oct 2018 15:09

Tgt Ion: 43 Resp: 6444
 Ion Ratio Lower Upper
 43 100
 72 8.6 10.9 32.9#



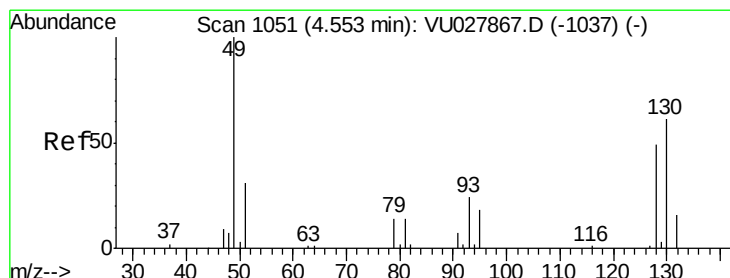
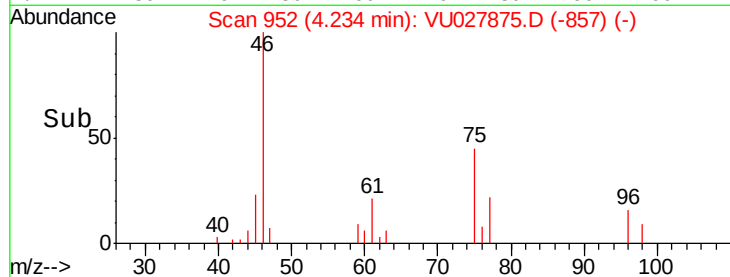
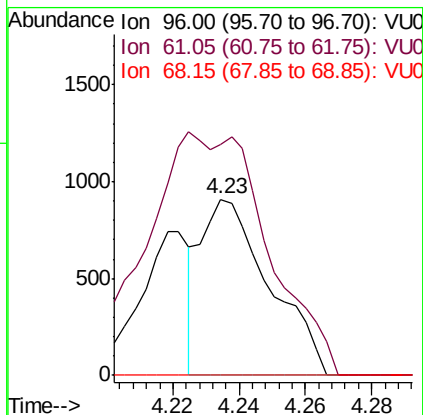
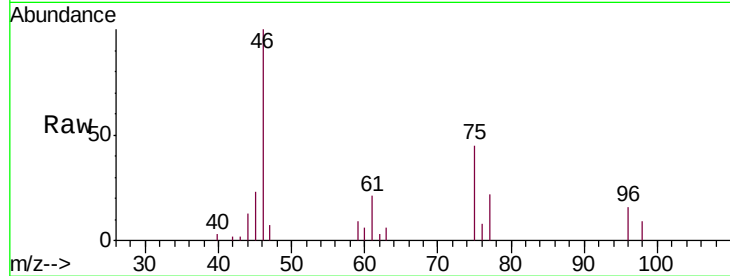


#22

cis-1,2-Dichloroethene
Concen: 0.214 ug/L
RT: 4.23 min Scan# 952
Delta R.T. 0.01 min
Lab File: VU027875.D
Acq: 30 Oct 2018 15:09

Instrument :
MSVOA_U
ClientSampleId :
MDL04

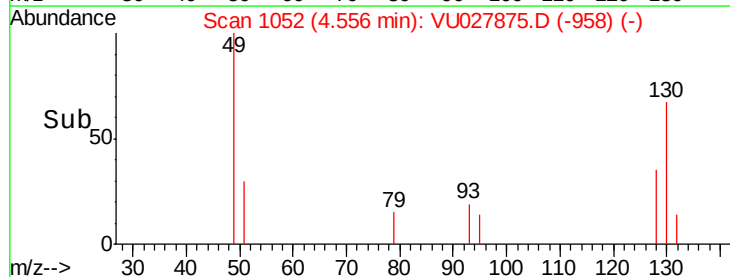
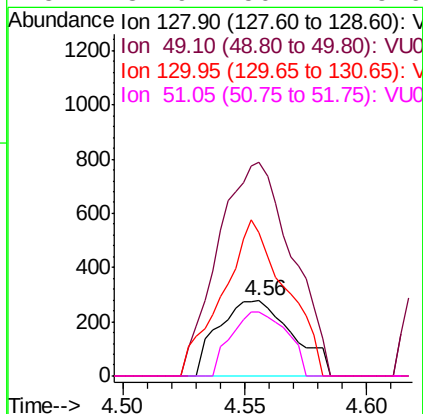
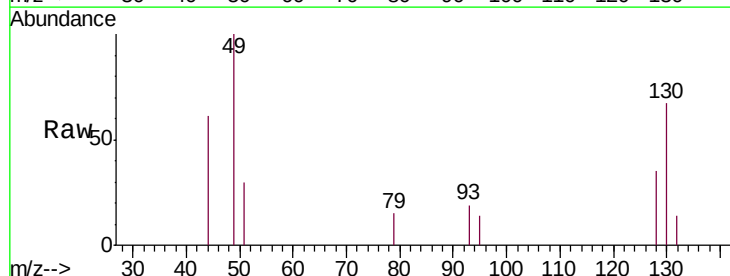
Tgt Ion: 96 Resp: 1292
Ion Ratio Lower Upper
96 100
61 131.3 104.0 193.2
68 0.0 0.0 0.0

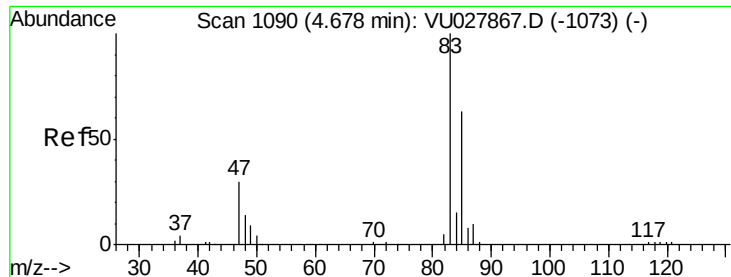


#23

Bromochloromethane
Concen: 0.235 ug/L
RT: 4.56 min Scan# 1052
Delta R.T. 0.00 min
Lab File: VU027875.D
Acq: 30 Oct 2018 15:09

Tgt Ion: 128 Resp: 586
Ion Ratio Lower Upper
128 100
49 283.5 142.0 263.8#
130 191.0 86.1 159.9#
51 84.9 50.4 75.6#

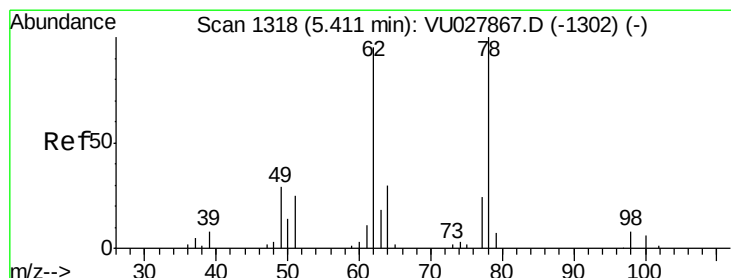
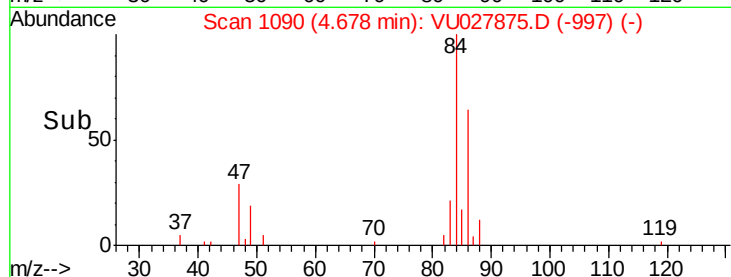
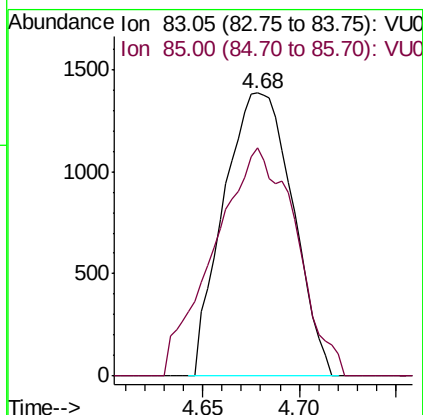
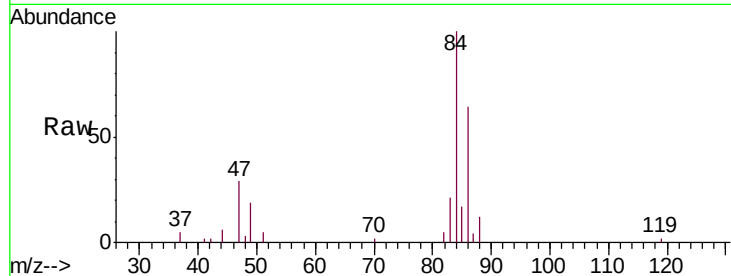




#25
Chloroform
Concen: 0.307 ug/L
RT: 4.68 min Scan# 1090
Delta R.T. 0.00 min
Lab File: VU027875.D
Acq: 30 Oct 2018 15:09

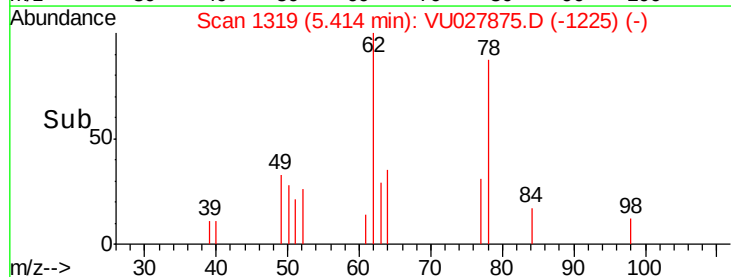
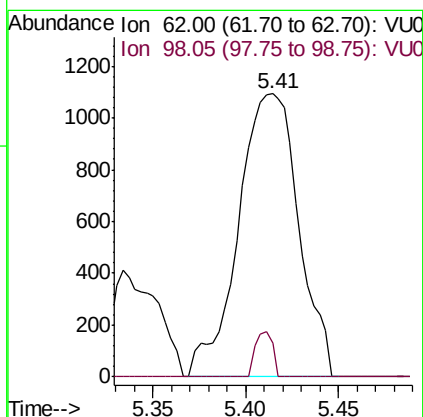
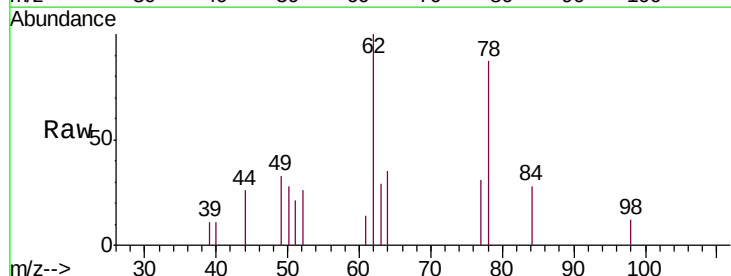
Instrument :
MSVOA_U
ClientSampleId :
MDL04

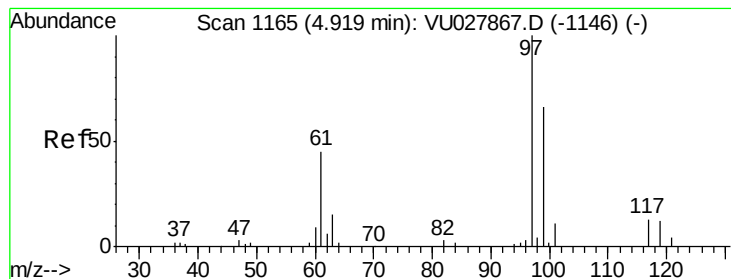
Tgt Ion: 83 Resp: 3429
Ion Ratio Lower Upper
83 100
85 80.6 44.0 81.8



#27
1,2-Dichloroethane
Concen: 0.319 ug/L
RT: 5.41 min Scan# 1319
Delta R.T. 0.00 min
Lab File: VU027875.D
Acq: 30 Oct 2018 15:09

Tgt Ion: 62 Resp: 2484
Ion Ratio Lower Upper
62 100
98 12.1 6.3 9.5#





#29

1,1,1-Trichloroethane

Concen: 0.317 ug/L

RT: 4.92 min Scan# 1166

Delta R.T. 0.00 min

Lab File: VU027875.D

Acq: 30 Oct 2018 15:09

Instrument :

MSVOA_U

ClientSampleId :

MDL04

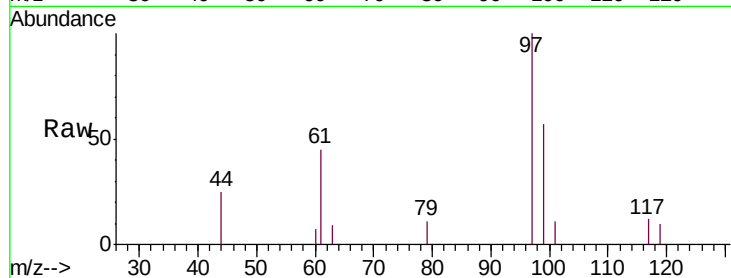
Tgt Ion: 97 Resp: 3034

Ion Ratio Lower Upper

97 100

99 67.3 50.6 76.0

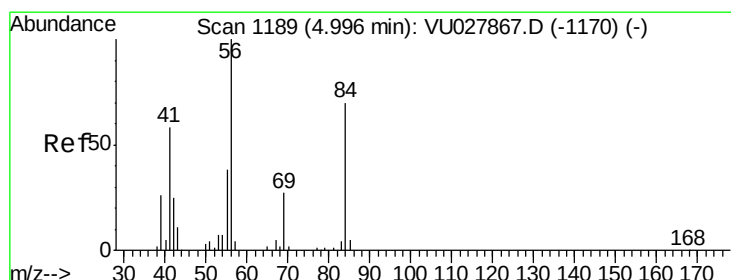
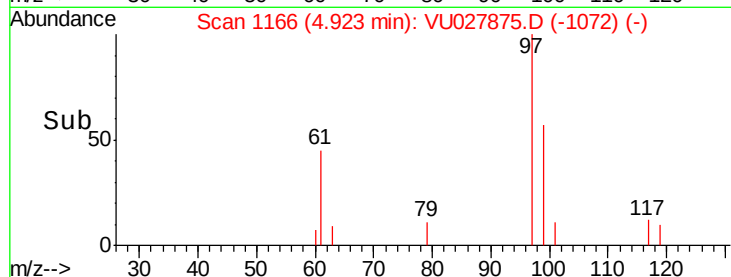
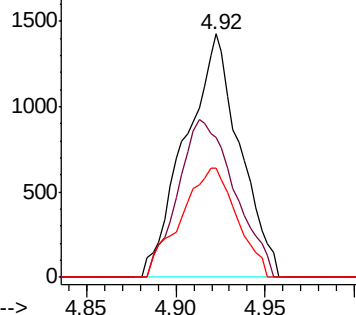
61 46.1 35.8 53.6



Abundance Ion 96.95 (96.65 to 97.65): VU0

Ion 99.05 (98.75 to 99.75): VU0

Ion 61.05 (60.75 to 61.75): VU0



#30

Cyclohexane

Concen: 0.324 ug/L

RT: 4.99 min Scan# 1188

Delta R.T. -0.00 min

Lab File: VU027875.D

Acq: 30 Oct 2018 15:09

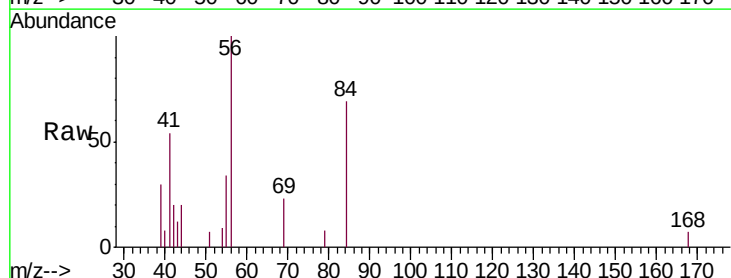
Tgt Ion: 56 Resp: 3645

Ion Ratio Lower Upper

56 100

69 25.5 22.7 34.1

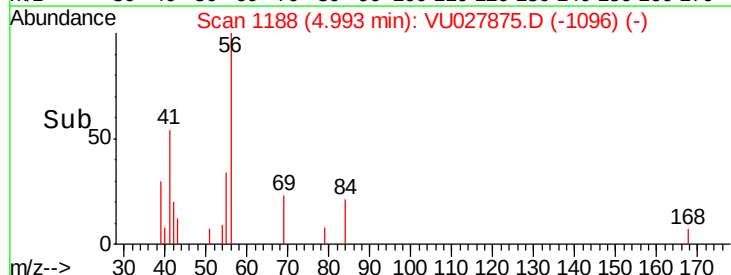
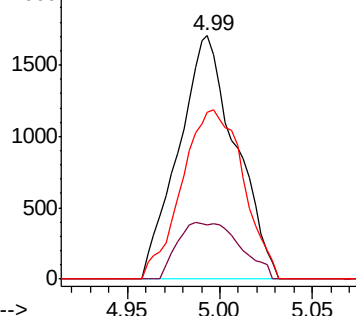
84 74.8 58.1 87.1

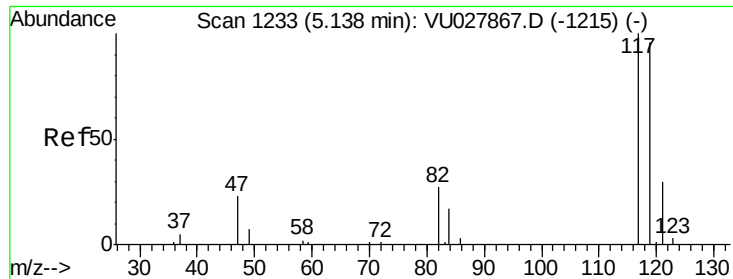


Abundance Ion 56.10 (55.80 to 56.80): VU0

Ion 69.15 (68.85 to 69.85): VU0

Ion 84.15 (83.85 to 84.85): VU0





#31

Carbon tetrachloride

Concen: 0.325 ug/L

RT: 5.13 min Scan# 1231

Delta R.T. -0.01 min

Lab File: VU027875.D

Acq: 30 Oct 2018 15:09

Instrument :

MSVOA_U

ClientSampleId :

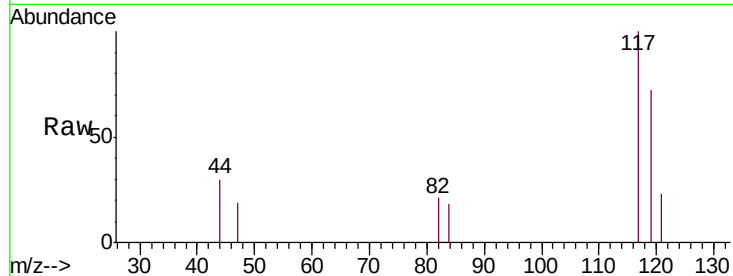
MDL04

Tgt Ion:117 Resp: 2676

Ion Ratio Lower Upper

117 100

119 91.3 77.1 115.7



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V

5.13

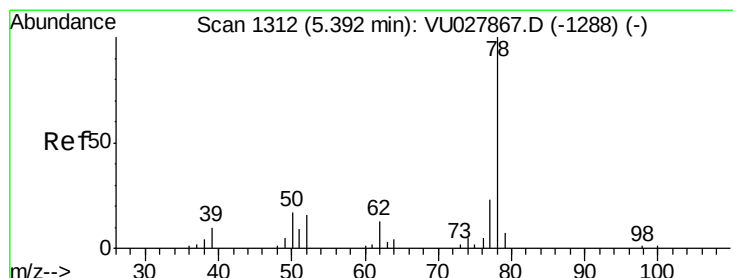
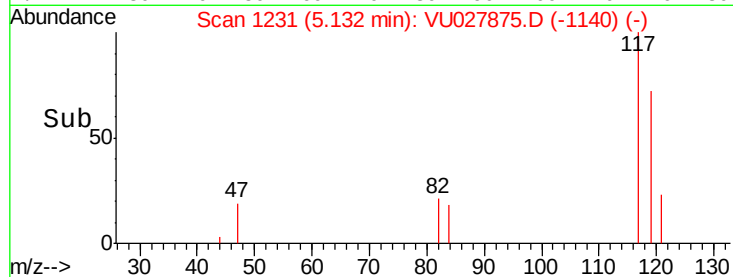
1000

500

0

Time-->

5.10 5.15 5.20



#33

Benzene

Concen: 0.333 ug/L

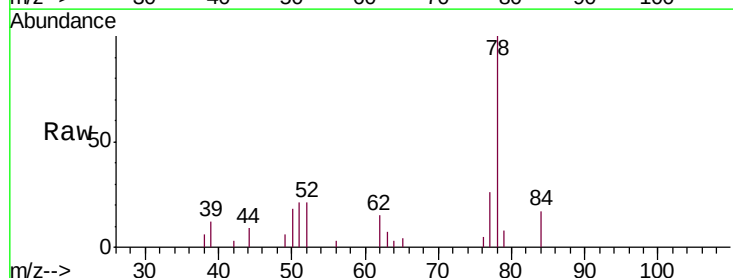
RT: 5.40 min Scan# 1313

Delta R.T. 0.00 min

Lab File: VU027875.D

Acq: 30 Oct 2018 15:09

Tgt Ion: 78 Resp: 7842



Abundance Ion 78.10 (77.80 to 78.80): VU0

4000

3000

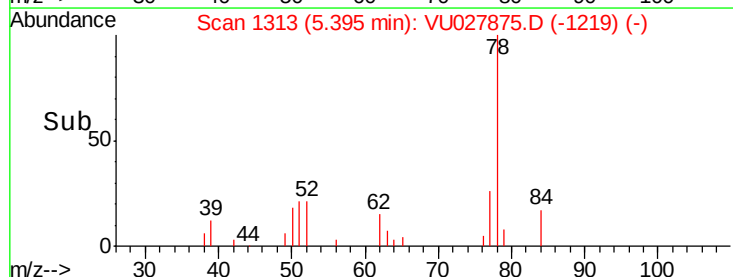
2000

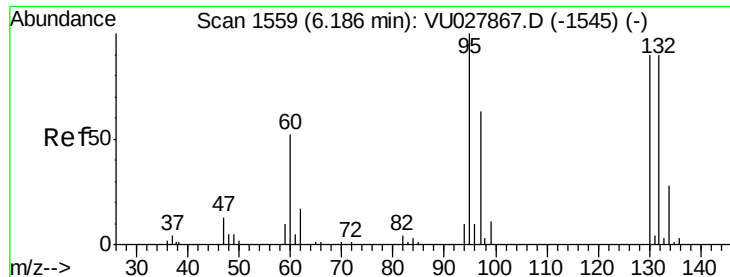
1000

0

Time-->

5.35 5.40 5.45





#34

Trichloroethene

Concen: 0.335 ug/L

RT: 6.19 min Scan# 1560

Delta R.T. 0.00 min

Lab File: VU027875.D

Acq: 30 Oct 2018 15:09

Instrument :

MSVOA_U

ClientSampleId :

MDL04

Tgt Ion: 95 Resp: 2049

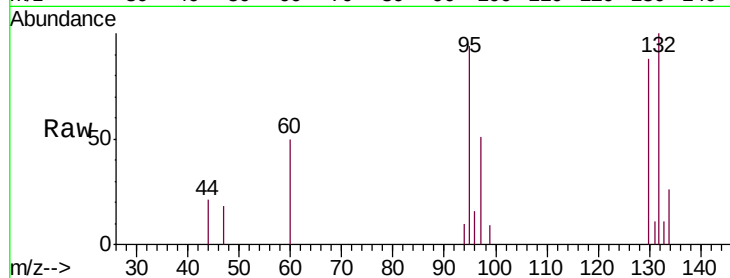
Ion Ratio Lower Upper

95 100

97 54.4 44.0 81.6

132 106.1 63.3 117.5

130 93.2 63.1 117.3

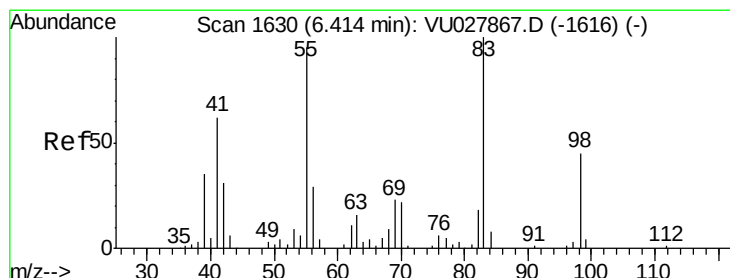
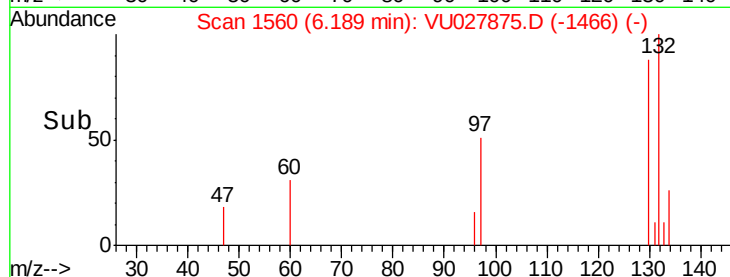
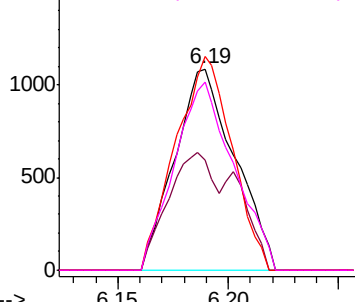


Abundance Ion 95.00 (94.70 to 95.70): VU0

Ion 96.95 (96.65 to 97.65): VU0

Ion 131.95 (131.65 to 132.65): V

Ion 129.95 (129.65 to 130.65): V



#35

Methylcyclohexane

Concen: 0.313 ug/L

RT: 6.41 min Scan# 1630

Delta R.T. 0.00 min

Lab File: VU027875.D

Acq: 30 Oct 2018 15:09

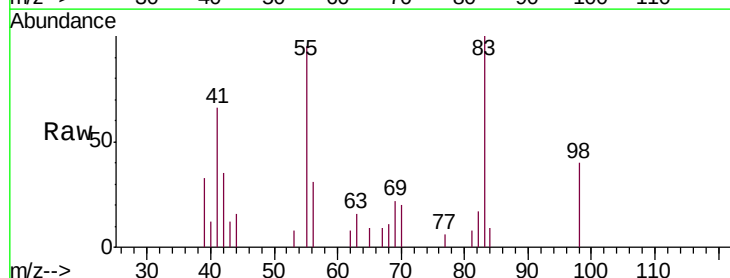
Tgt Ion: 83 Resp: 3259

Ion Ratio Lower Upper

83 100

55 91.3 73.4 110.0

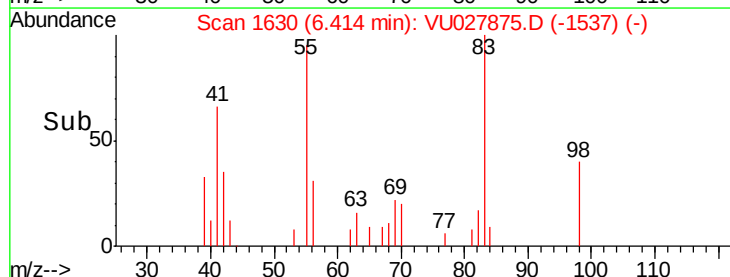
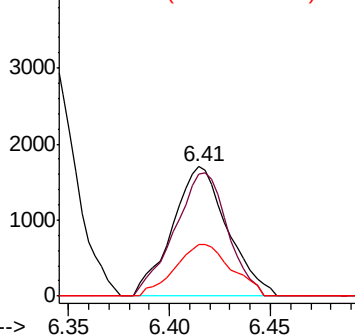
98 40.7 35.3 52.9

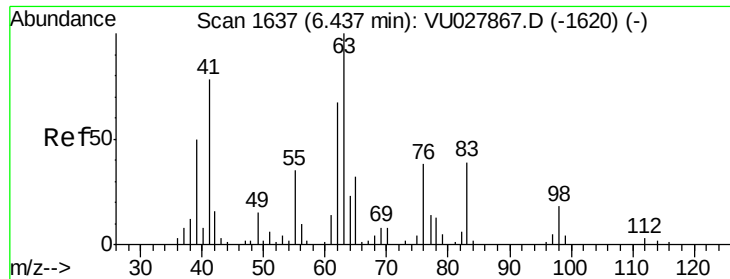


Abundance Ion 83.15 (82.85 to 83.85): VU0

Ion 55.10 (54.80 to 55.80): VU0

Ion 98.15 (97.85 to 98.85): VU0

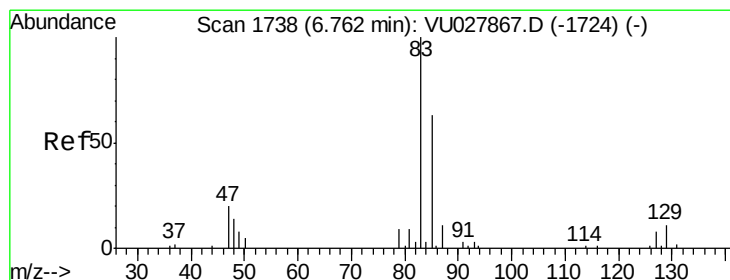
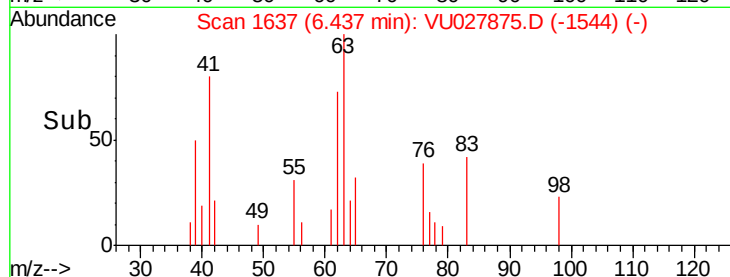
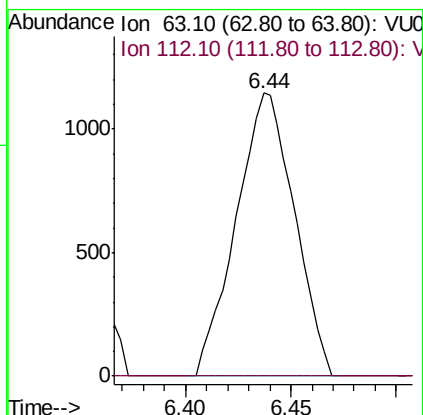
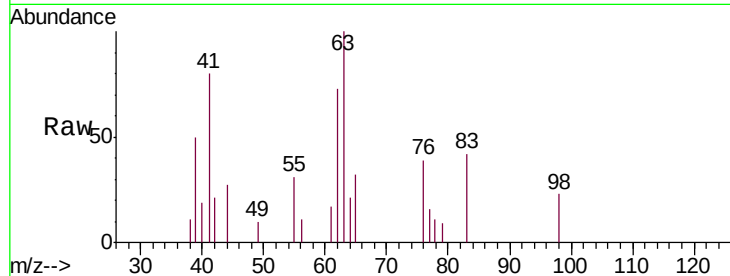




#37
 1,2-Dichloropropane
 Concen: 0.328 ug/L
 RT: 6.44 min Scan# 1637
 Delta R.T. 0.00 min
 Lab File: VU027875.D
 Acq: 30 Oct 2018 15:09

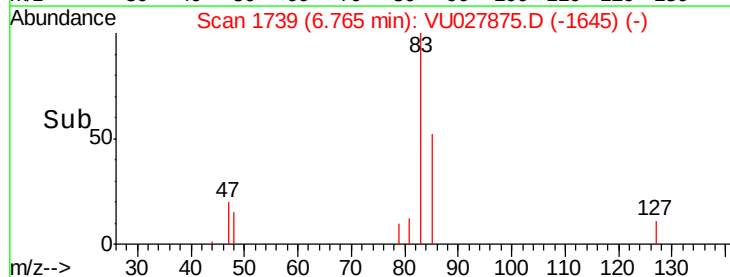
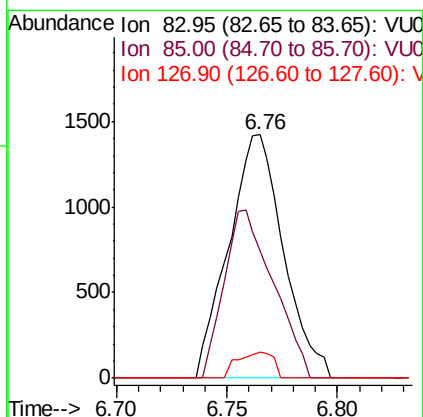
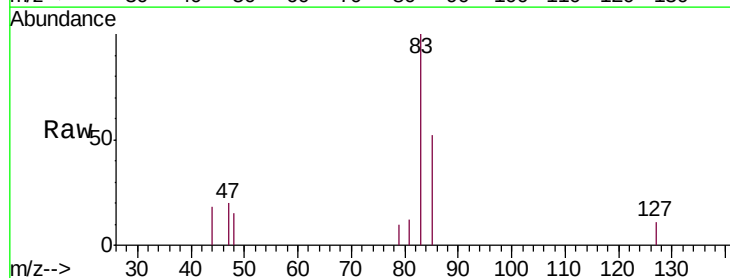
Instrument :
 MSVOA_U
 ClientSampleId :
 MDL04

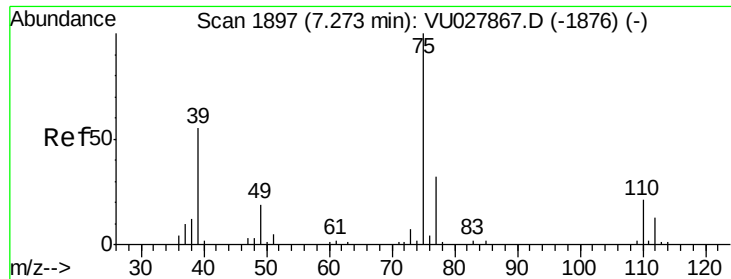
Tgt Ion: 63 Resp: 2196
 Ion Ratio Lower Upper
 63 100
 112 0.0 2.6 3.8#



#38
 Bromodichloromethane
 Concen: 0.312 ug/L
 RT: 6.76 min Scan# 1739
 Delta R.T. 0.00 min
 Lab File: VU027875.D
 Acq: 30 Oct 2018 15:09

Tgt Ion: 83 Resp: 2447
 Ion Ratio Lower Upper
 83 100
 85 52.4 43.8 81.4
 127 10.9 6.4 9.6#

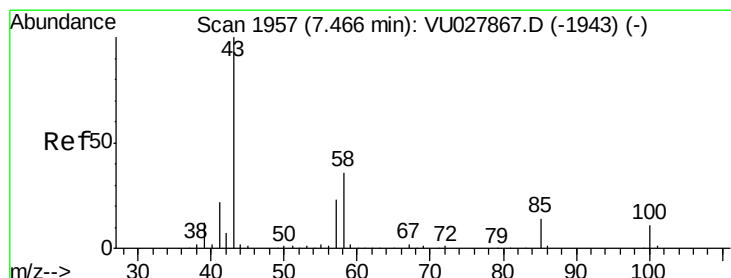
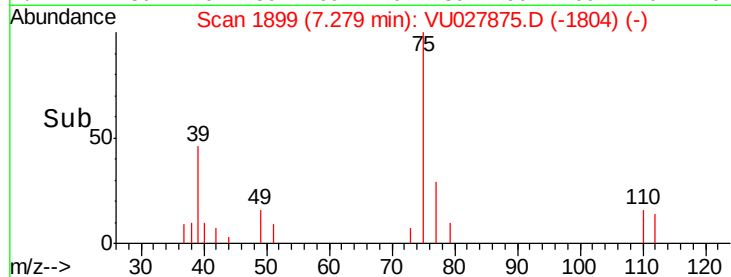
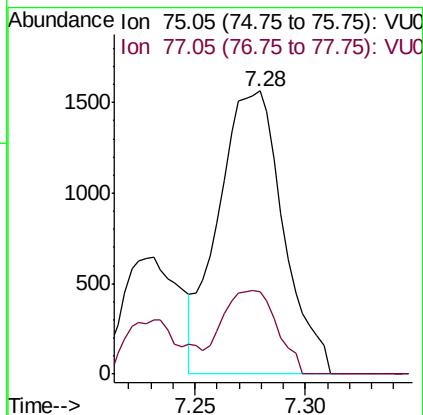
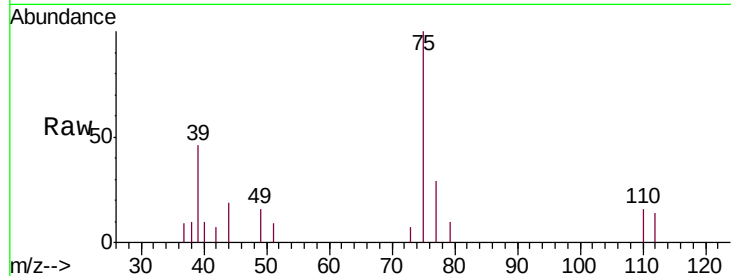




#39
 cis-1,3-Dichloropropene
 Concen: 0.333 ug/L
 RT: 7.28 min Scan# 1899
 Delta R.T. 0.01 min
 Lab File: VU027875.D
 Acq: 30 Oct 2018 15:09

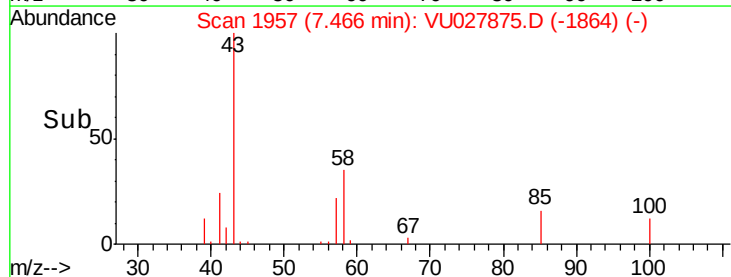
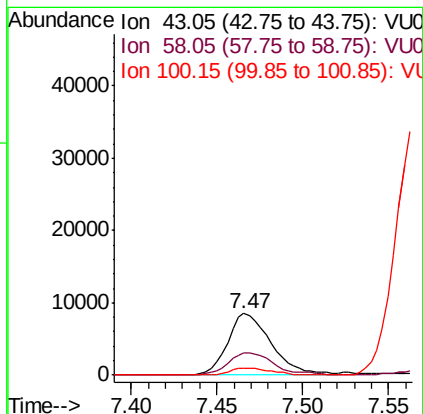
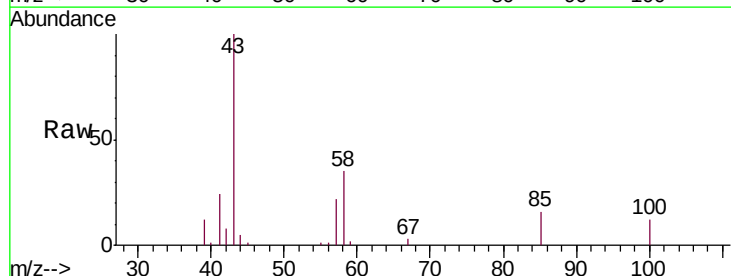
Instrument :
 MSVOA_U
 ClientSampleId :
 MDL04

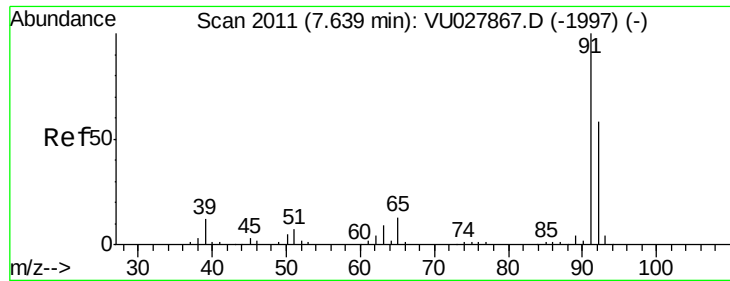
Tgt Ion: 75 Resp: 3195
 Ion Ratio Lower Upper
 75 100
 77 29.1 22.2 41.2



#40
 4-Methyl-2-pentanone
 Concen: 3.197 ug/L
 RT: 7.47 min Scan# 1957
 Delta R.T. 0.00 min
 Lab File: VU027875.D
 Acq: 30 Oct 2018 15:09

Tgt Ion: 43 Resp: 15137
 Ion Ratio Lower Upper
 43 100
 58 37.7 28.5 42.7
 100 0.0 8.8 13.2#





#42

Toluene

Concen: 0.340 ug/L

RT: 7.64 min Scan# 2011

Delta R.T. 0.00 min

Lab File: VU027875.D

Acq: 30 Oct 2018 15:09

Instrument :

MSVOA_U

ClientSampleId :

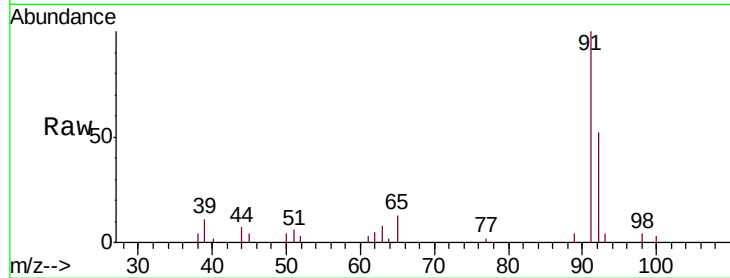
MDL04

Tgt Ion: 91 Resp: 8360

Ion Ratio Lower Upper

91 100

92 52.2 40.3 74.9



Abundance Ion 91.15 (90.85 to 91.85): VU0

Ion 92.15 (91.85 to 92.85): VU0

7.64

5000

4000

3000

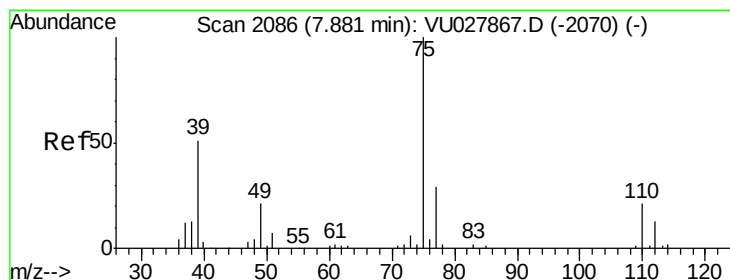
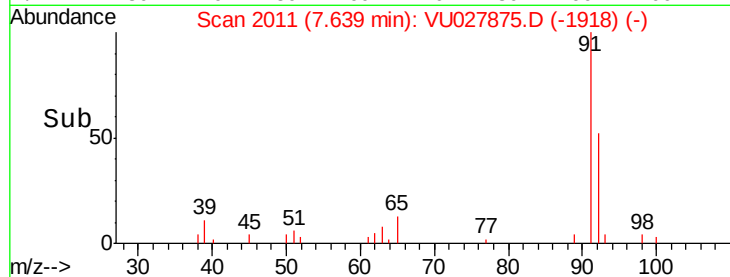
2000

1000

0

Time-->

7.60 7.65 7.70



#44

trans-1,3-Dichloropropene

Concen: 0.371 ug/L

RT: 7.88 min Scan# 2087

Delta R.T. 0.00 min

Lab File: VU027875.D

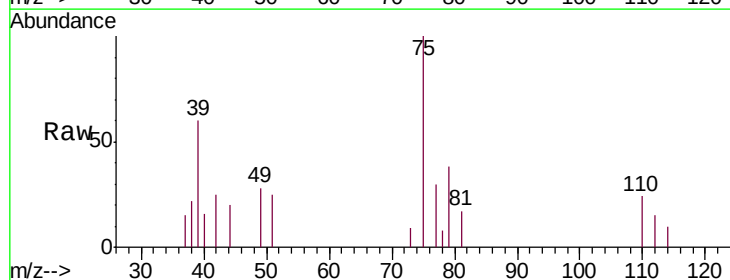
Acq: 30 Oct 2018 15:09

Tgt Ion: 75 Resp: 3055

Ion Ratio Lower Upper

75 100

77 29.6 20.5 38.1



Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 77.05 (76.75 to 77.75): VU0

7.88

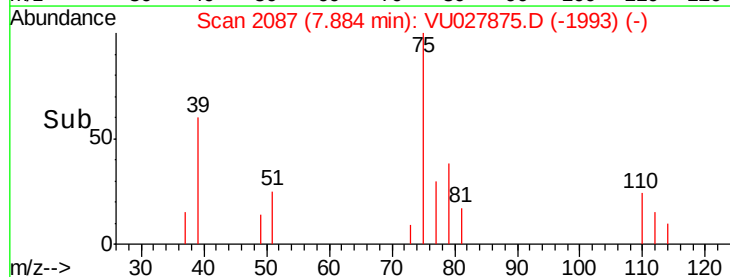
1000

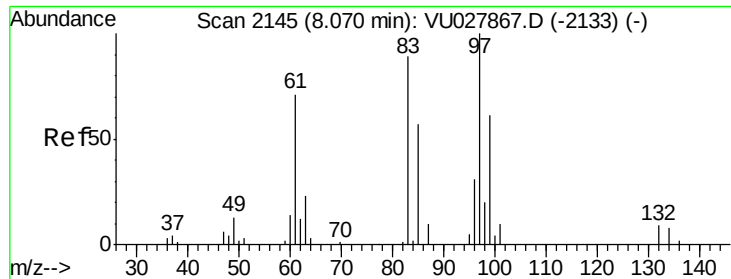
500

0

Time-->

7.80 7.85 7.90 7.95

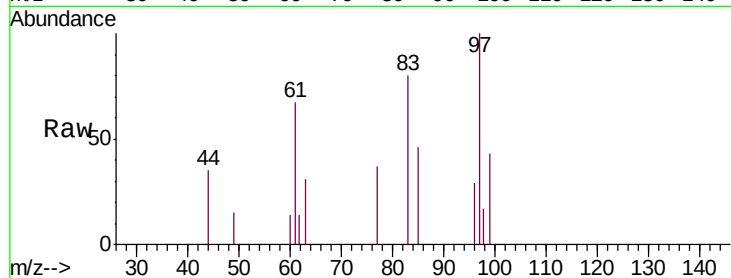




#45
1,1,2-Trichloroethane
Concen: 0.300 ug/L
RT: 8.07 min Scan# 2146
Delta R.T. 0.00 min
Lab File: VU027875.D
Acq: 30 Oct 2018 15:09

Instrument :
MSVOA_U
ClientSampleId :
MDL04

Tgt Ion:	97	Resp:	1236
Ion	Ratio	Lower	Upper
97	100		
99	43.1	42.9	79.7
83	80.4	62.2	115.6
85	46.0	40.2	74.6



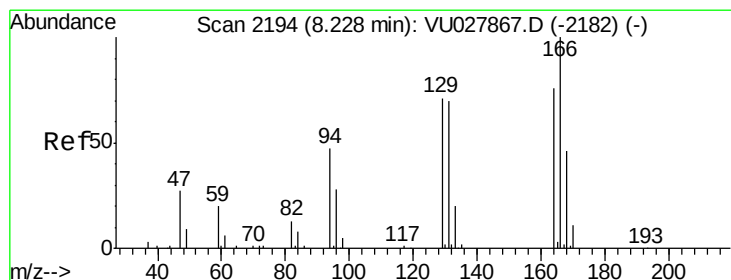
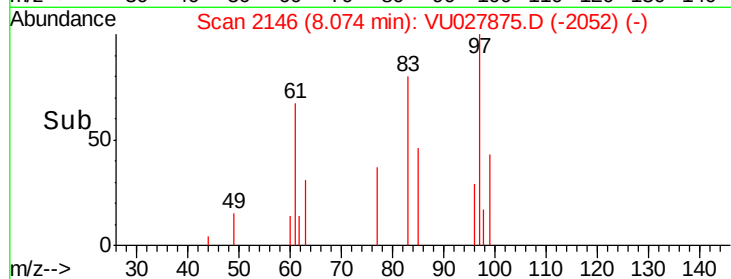
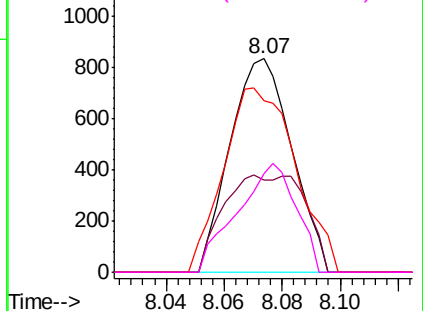
Abundance

Ion 96.95 (96.65 to 97.65): VU027867.D (-2133) (-)

Ion 99.05 (98.75 to 99.75): VU027867.D (-2133) (-)

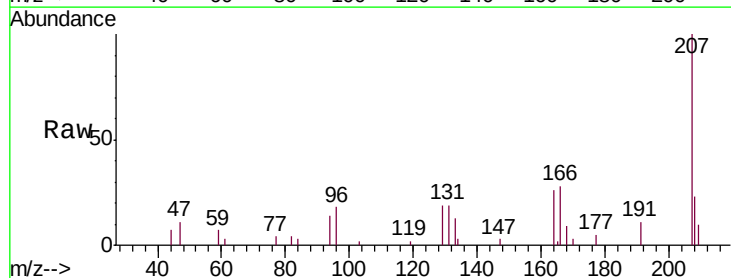
Ion 82.95 (82.65 to 83.65): VU027867.D (-2133) (-)

Ion 85.00 (84.70 to 85.70): VU027867.D (-2133) (-)



#47
Tetrachloroethene
Concen: 0.372 ug/L
RT: 8.23 min Scan# 2194
Delta R.T. 0.00 min
Lab File: VU027875.D
Acq: 30 Oct 2018 15:09

Tgt Ion:	164	Resp:	1748
Ion	Ratio	Lower	Upper
164	100		
129	73.5	64.9	120.5
131	72.8	64.3	119.5
166	108.0	91.8	170.4



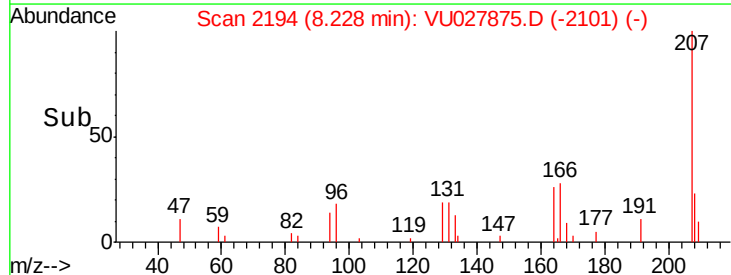
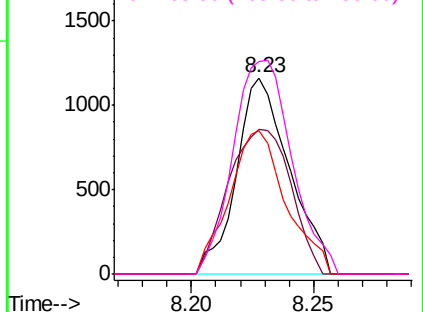
Abundance

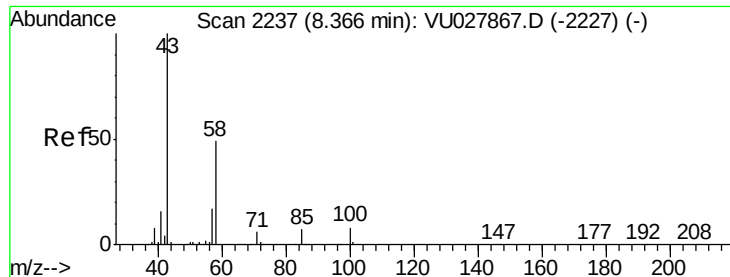
Ion 163.90 (163.60 to 164.60): VU027867.D (-2182) (-)

Ion 128.95 (128.65 to 129.65): VU027867.D (-2182) (-)

Ion 130.95 (130.65 to 131.65): VU027867.D (-2182) (-)

Ion 165.90 (165.60 to 166.60): VU027867.D (-2182) (-)

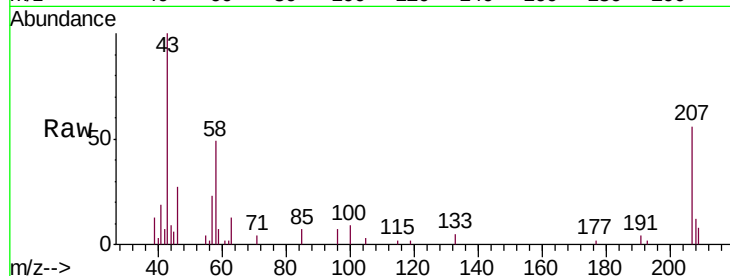




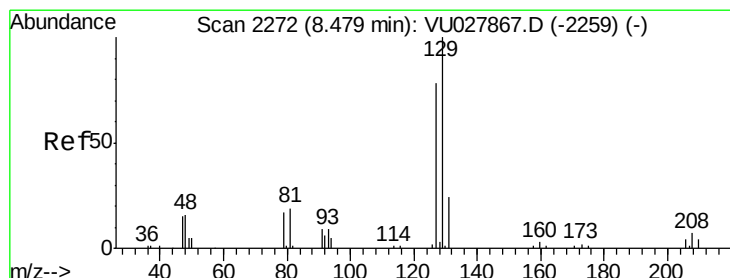
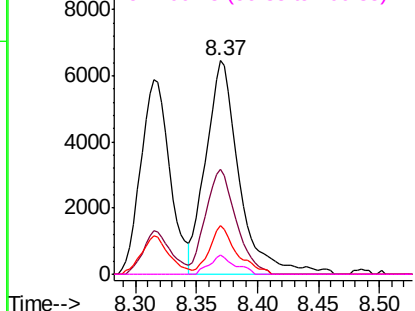
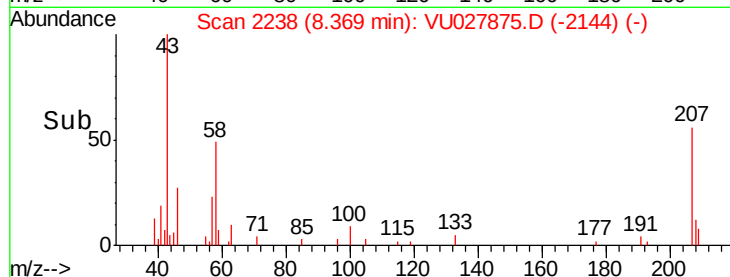
#48
2-Hexanone
Concen: 3.626 ug/L
RT: 8.37 min Scan# 2238
Delta R.T. 0.00 min
Lab File: VU027875.D
Acq: 30 Oct 2018 15:09

Instrument :
MSVOA_U
ClientSampleId :
MDL04

Tgt Ion:	43	Resp:	12375
Ion	Ratio	Lower	Upper
43	100		
58	44.5	38.9	58.3
57	18.4	13.3	19.9
100	6.7	6.6	10.0

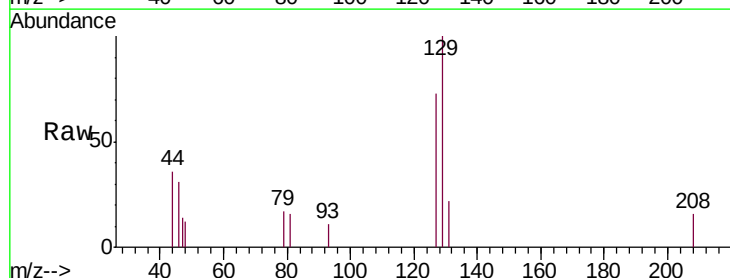


Abundance Ion 43.05 (42.75 to 43.75): VU0
Ion 58.05 (57.75 to 58.75): VU0
Ion 57.20 (56.90 to 57.90): VU0
Ion 100.15 (99.85 to 100.85): VU0

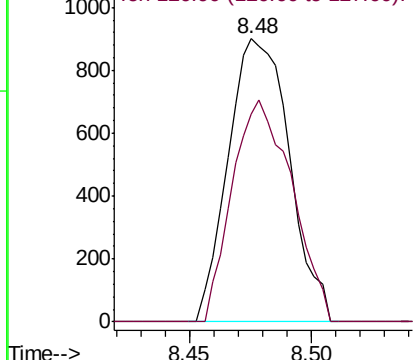
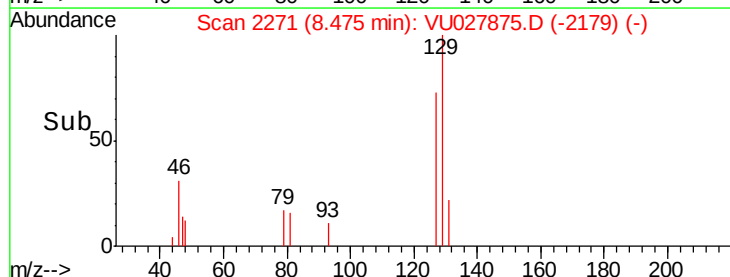


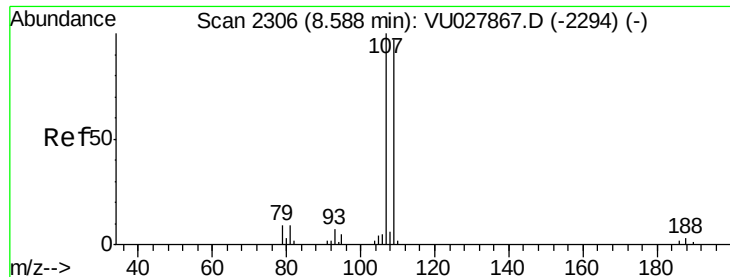
#49
Dibromochloromethane
Concen: 0.315 ug/L
RT: 8.48 min Scan# 2271
Delta R.T. -0.00 min
Lab File: VU027875.D
Acq: 30 Oct 2018 15:09

Tgt Ion:	129	Resp:	1568
Ion	Ratio	Lower	Upper
129	100		
127	73.3	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: 0.327 ug/L

RT: 8.59 min Scan# 2306

Delta R.T. 0.00 min

Lab File: VU027875.D

Acq: 30 Oct 2018 15:09

Instrument :

MSVOA_U

ClientSampleId :

MDL04

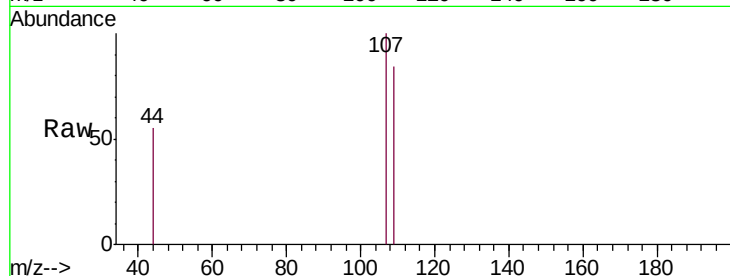
Tgt Ion:107 Resp: 1288

Ion Ratio Lower Upper

107 100

109 83.7 68.0 126.4

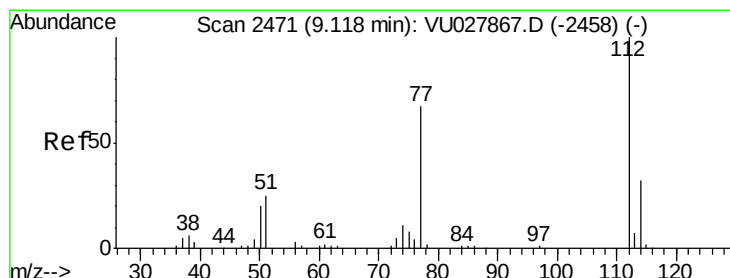
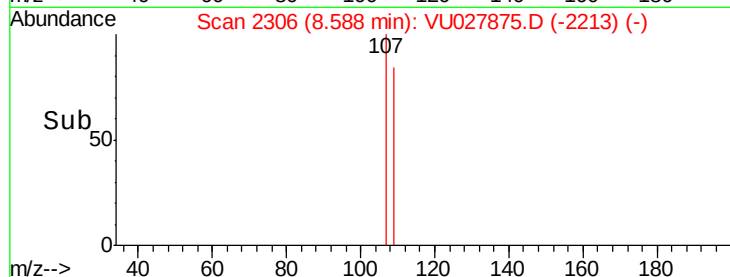
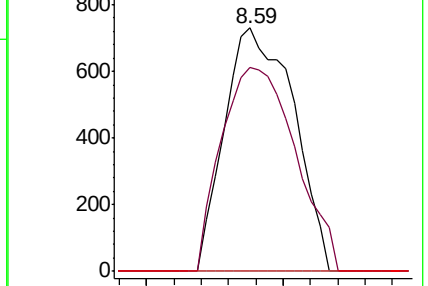
188 0.0 2.7 4.1#



Abundance Ion 106.95 (106.65 to 107.65): V

Ion 109.00 (108.70 to 109.70): V

Ion 187.90 (187.60 to 188.60): V



#51

Chlorobenzene

Concen: 0.343 ug/L

RT: 9.12 min Scan# 2472

Delta R.T. 0.00 min

Lab File: VU027875.D

Acq: 30 Oct 2018 15:09

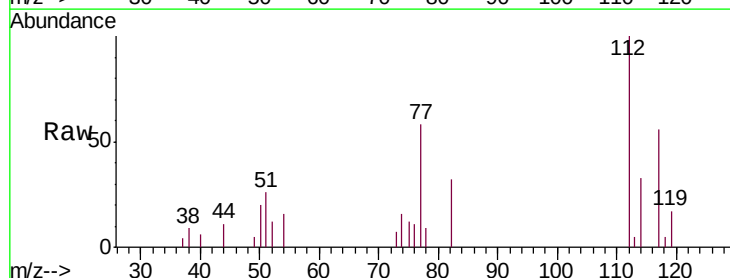
Tgt Ion:112 Resp: 5243

Ion Ratio Lower Upper

112 100

114 33.2 22.0 41.0

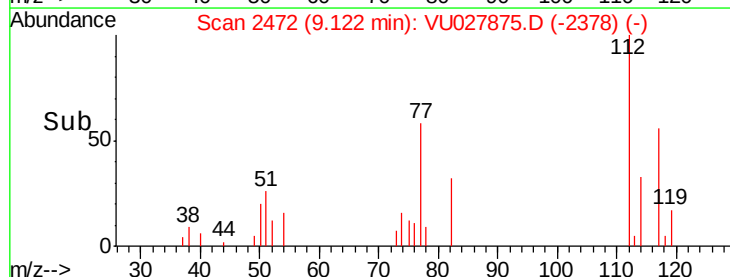
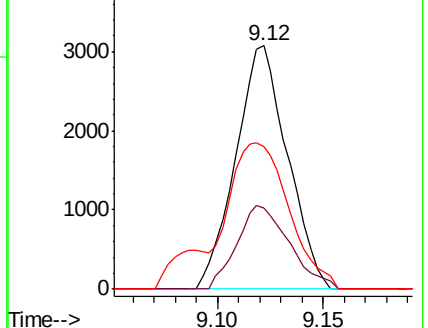
77 58.4 54.3 81.5

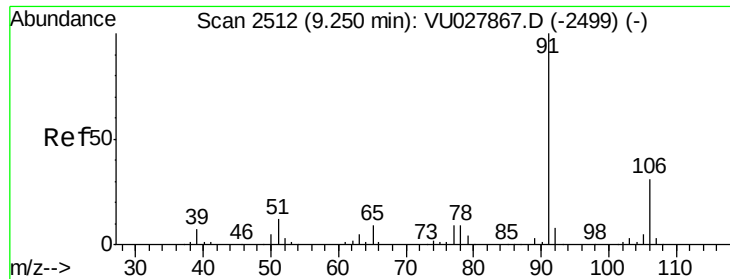


Abundance Ion 112.10 (111.80 to 112.80): V

Ion 114.05 (113.75 to 114.75): V

Ion 77.10 (76.80 to 77.80): VU0





#52

Ethylbenzene

Concen: 0.318 ug/L

RT: 9.25 min Scan# 2512

Delta R.T. 0.00 min

Lab File: VU027875.D

Acq: 30 Oct 2018 15:09

Instrument :

MSVOA_U

ClientSampleId :

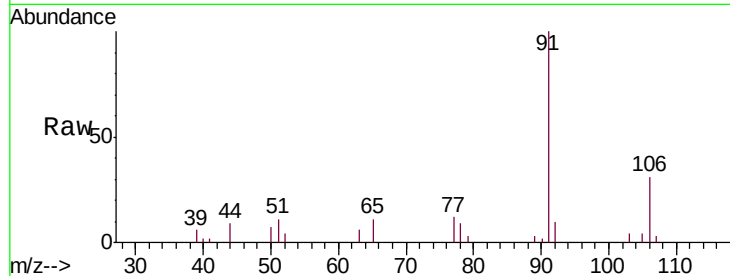
MDL04

Tgt Ion: 91 Resp: 8920

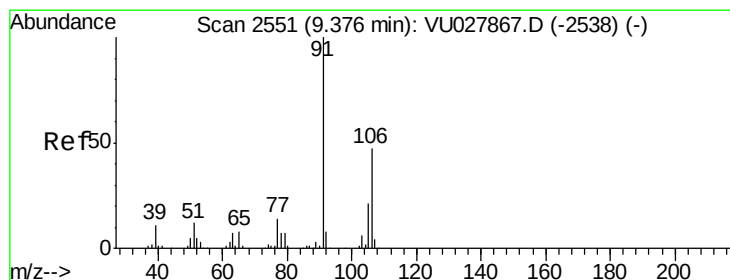
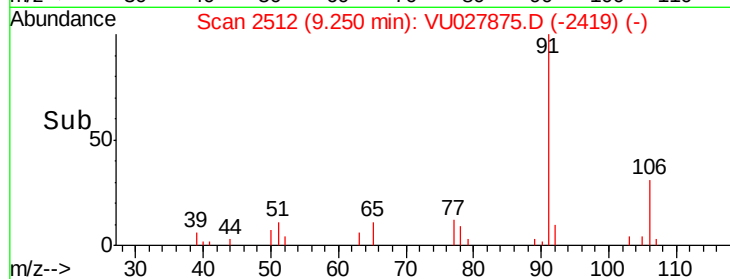
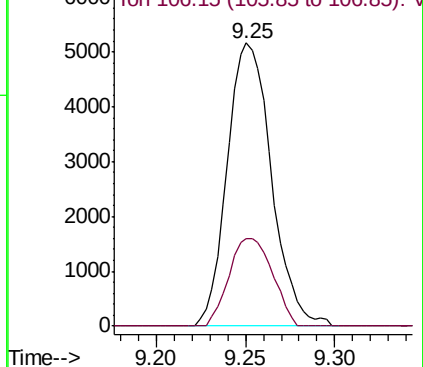
Ion Ratio Lower Upper

91 100

106 31.1 21.5 39.9



Abundance Ion 91.15 (90.85 to 91.85): VU027867.D (-2499) (-)



#53

m,p-xylene

Concen: 0.306 ug/L

RT: 9.38 min Scan# 2552

Delta R.T. 0.00 min

Lab File: VU027875.D

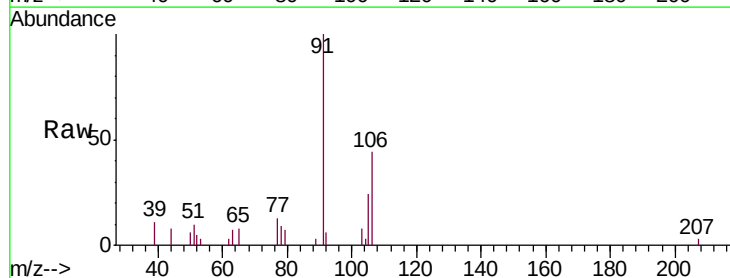
Acq: 30 Oct 2018 15:09

Tgt Ion: 106 Resp: 3118

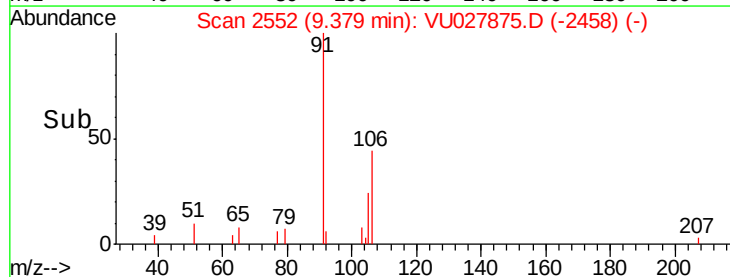
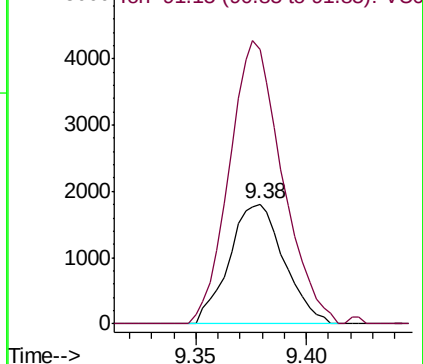
Ion Ratio Lower Upper

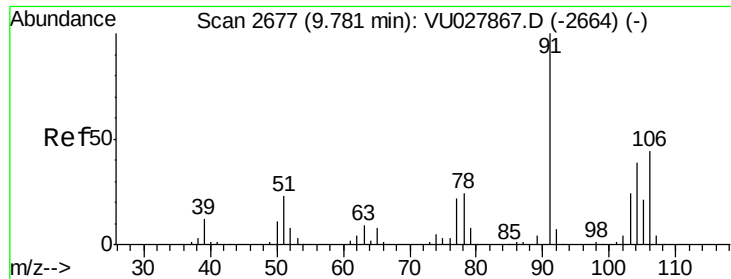
106 100

91 229.7 148.7 276.1



Abundance Ion 106.15 (105.85 to 106.85): VU027867.D (-2538) (-)

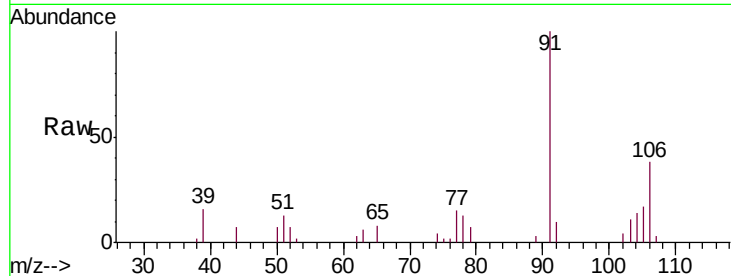




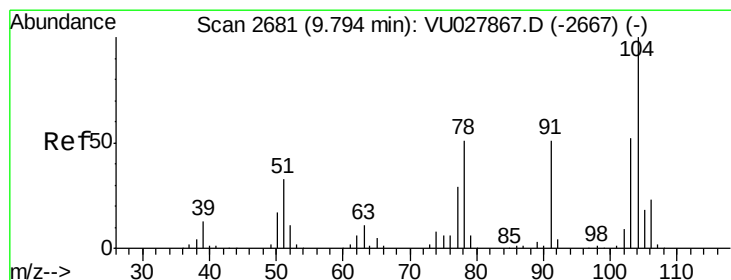
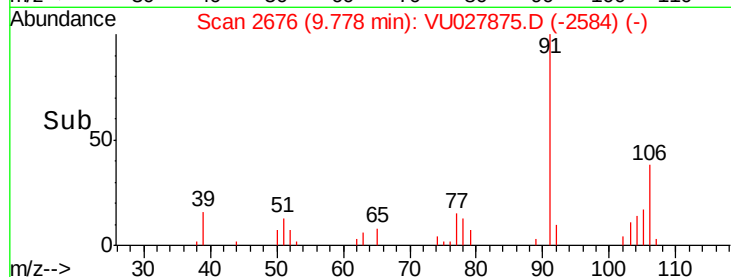
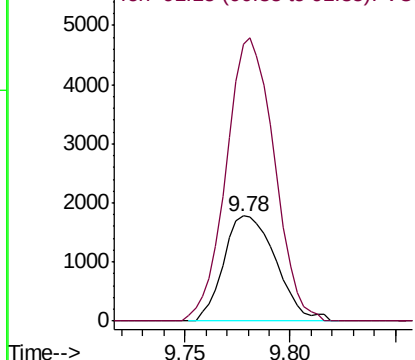
#54
o-xylene
Concen: 0.306 ug/L
RT: 9.78 min Scan# 2676
Delta R.T. -0.00 min
Lab File: VU027875.D
Acq: 30 Oct 2018 15:09

Instrument :
MSVOA_U
ClientSampleId :
MDL04

Tgt Ion:106 Resp: 3056
Ion Ratio Lower Upper
106 100
91 263.1 158.3 293.9

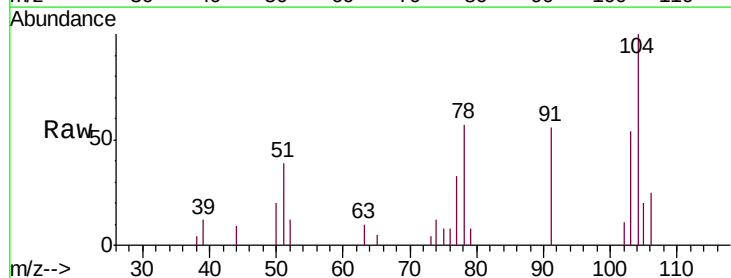


Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VU0

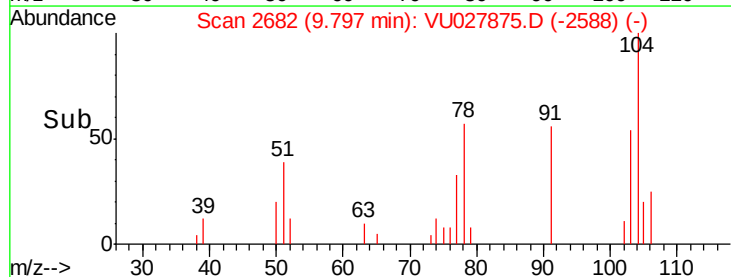
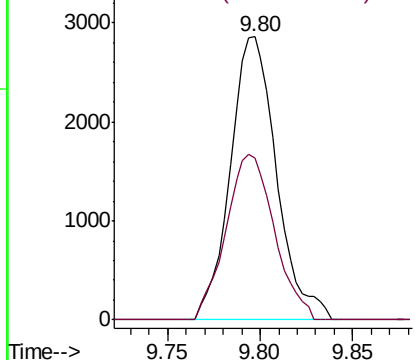


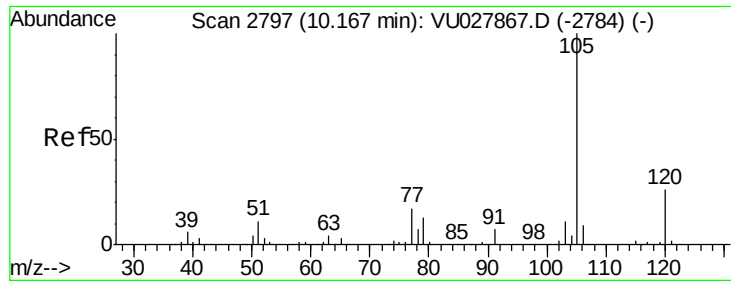
#55
Styrene
Concen: 0.296 ug/L
RT: 9.80 min Scan# 2682
Delta R.T. 0.00 min
Lab File: VU027875.D
Acq: 30 Oct 2018 15:09

Tgt Ion:104 Resp: 4956
Ion Ratio Lower Upper
104 100
78 57.0 35.6 66.0



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





#56

Isopropylbenzene

Concen: 0.302 ug/L

RT: 10.17 min Scan# 2798

Delta R.T. 0.00 min

Lab File: VU027875.D

Acq: 30 Oct 2018 15:09

Instrument :

MSVOA_U

ClientSampleId :

MDL04

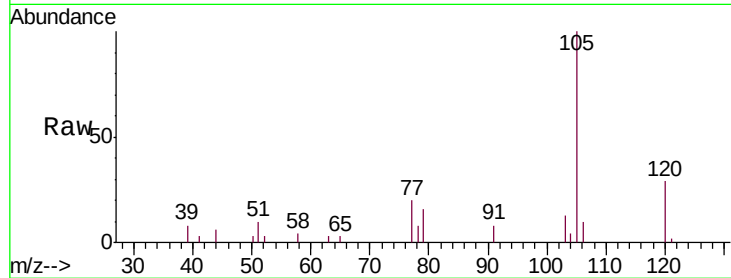
Tgt Ion: 105 Resp: 8219

Ion Ratio Lower Upper

105 100

120 27.9 20.2 30.2

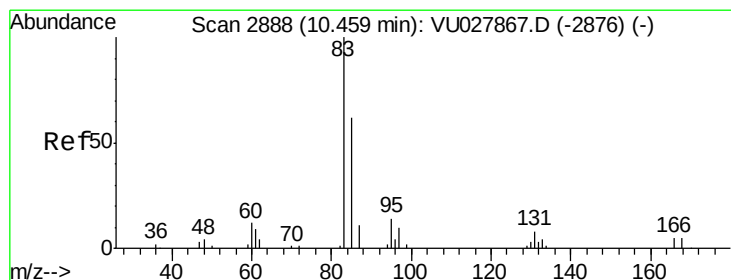
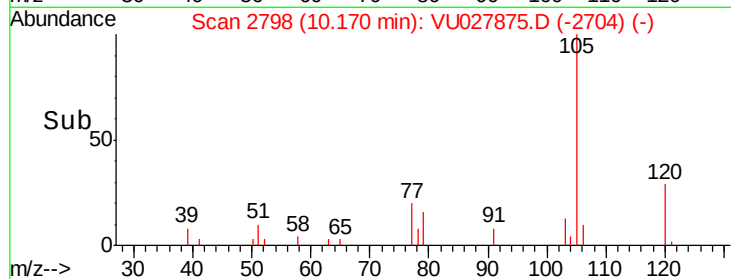
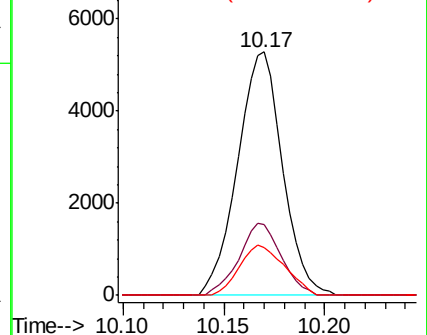
77 20.8 13.4 20.2#



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: 0.328 ug/L

RT: 10.46 min Scan# 2888

Delta R.T. 0.00 min

Lab File: VU027875.D

Acq: 30 Oct 2018 15:09

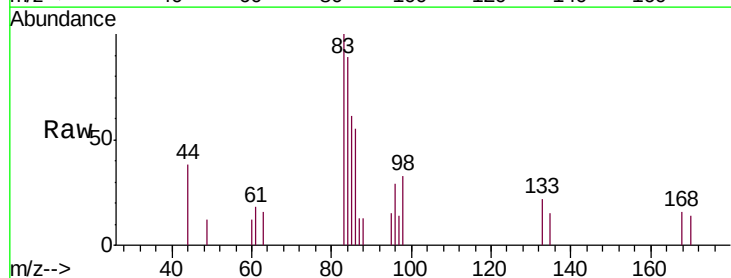
Tgt Ion: 83 Resp: 1763

Ion Ratio Lower Upper

83 100

85 61.1 44.4 82.4

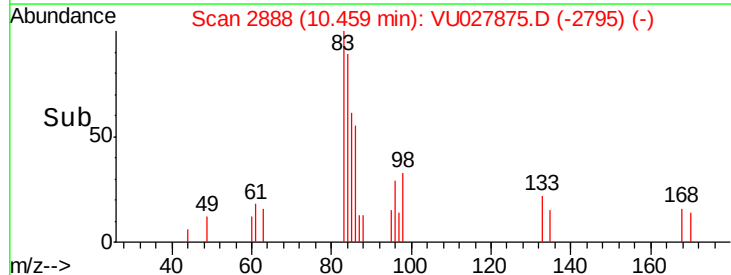
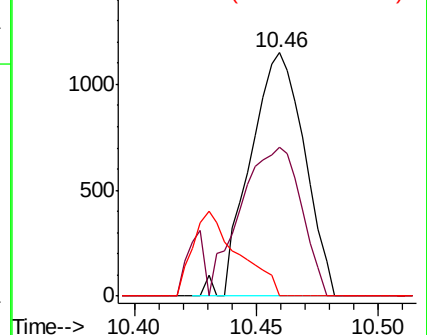
131 0.0 6.8 10.2#

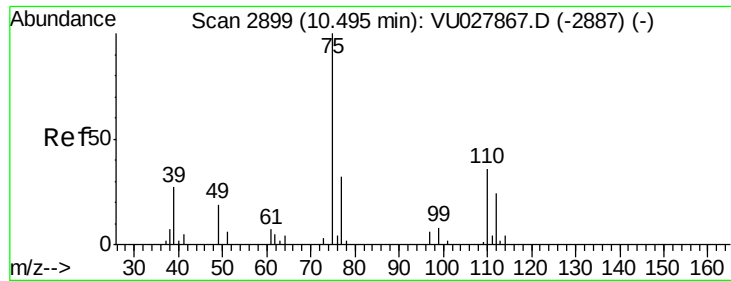


Abundance Ion 82.95 (82.65 to 83.65): V

Ion 85.00 (84.70 to 85.70): V

Ion 130.95 (130.65 to 131.65): V

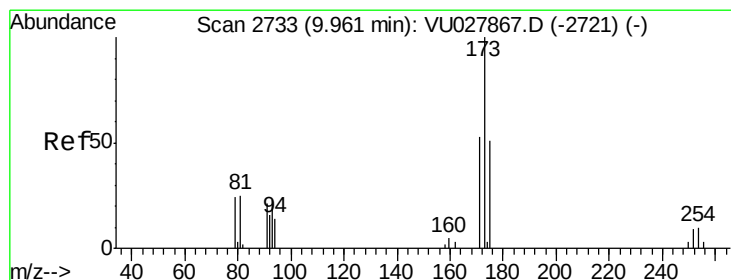
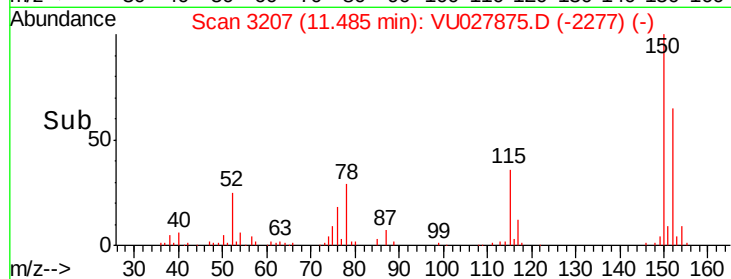
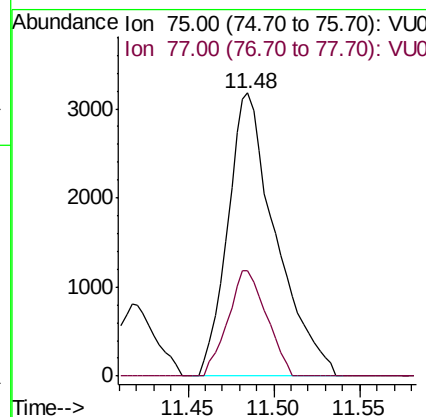
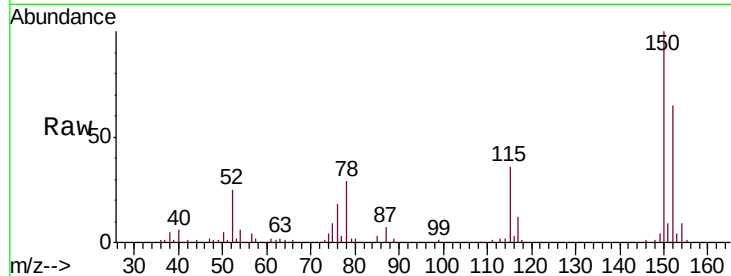




#59
 1,2,3-Trichloropropane
 Concen: 1.522 ug/L
 RT: 11.48 min Scan# 3207
 Delta R.T. 0.99 min
 Lab File: VU027875.D
 Acq: 30 Oct 2018 15:09

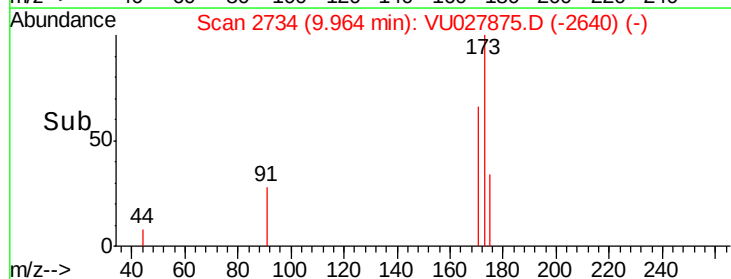
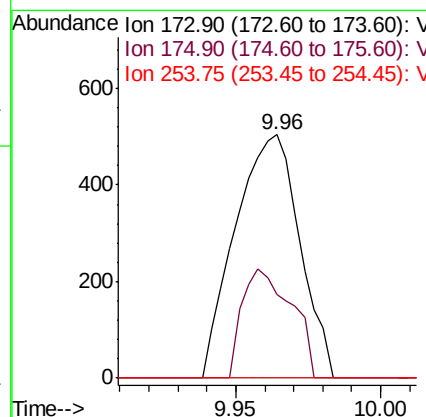
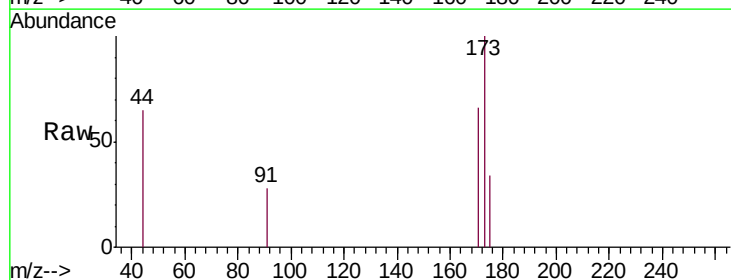
Instrument :
 MSVOA_U
 ClientSampleId :
 MDL04

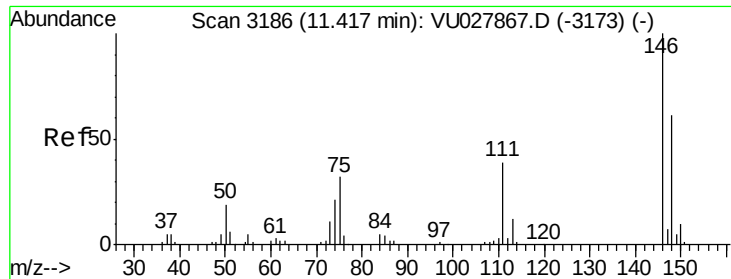
Tgt Ion: 75 Resp: 6182
 Ion Ratio Lower Upper
 75 100
 77 30.1 25.8 38.6



#61
 Bromoform
 Concen: 0.286 ug/L
 RT: 9.96 min Scan# 2734
 Delta R.T. 0.00 min
 Lab File: VU027875.D
 Acq: 30 Oct 2018 15:09

Tgt Ion: 173 Resp: 778
 Ion Ratio Lower Upper
 173 100
 175 34.1 38.3 57.5#
 254 0.0 7.8 11.6#





#62

1,3-Dichlorobenzene

Concen: 0.347 ug/L

RT: 11.42 min Scan# 3187

Delta R.T. 0.00 min

Lab File: VU027875.D

Acq: 30 Oct 2018 15:09

Instrument :

MSVOA_U

ClientSampleId :

MDL04

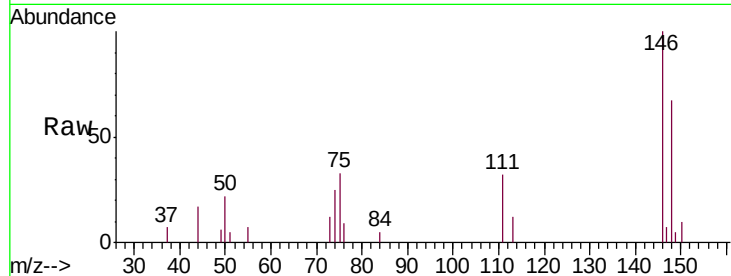
Tgt Ion:146 Resp: 4130

Ion Ratio Lower Upper

146 100

111 32.4 27.4 51.0

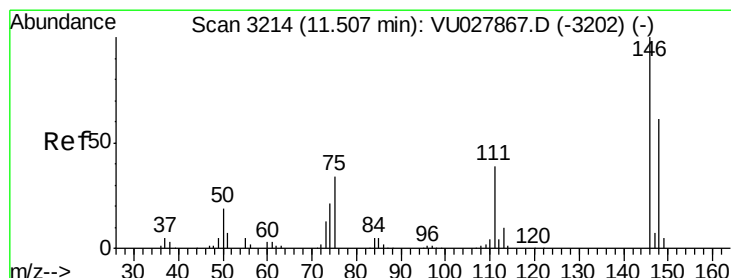
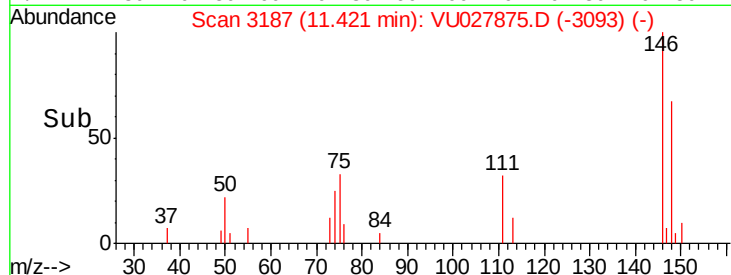
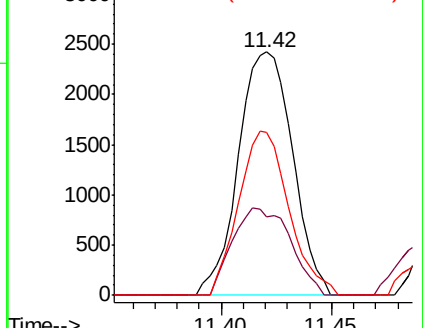
148 67.1 42.6 79.0



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: 0.330 ug/L

RT: 11.51 min Scan# 3214

Delta R.T. 0.00 min

Lab File: VU027875.D

Acq: 30 Oct 2018 15:09

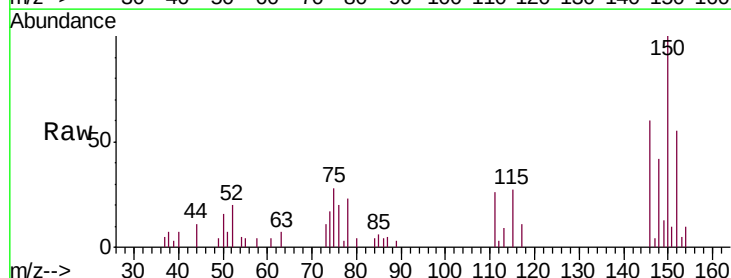
Tgt Ion:146 Resp: 3925

Ion Ratio Lower Upper

146 100

111 42.9 27.4 51.0

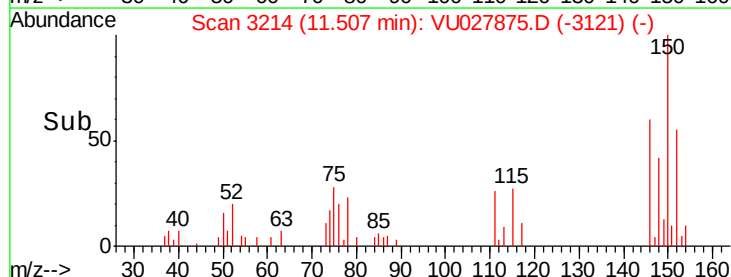
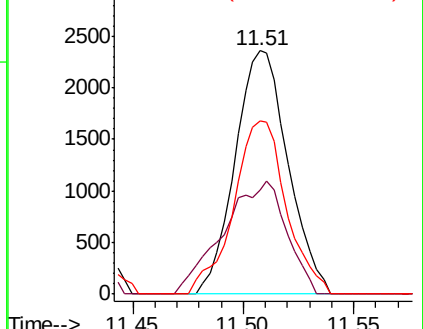
148 71.0 43.1 80.1

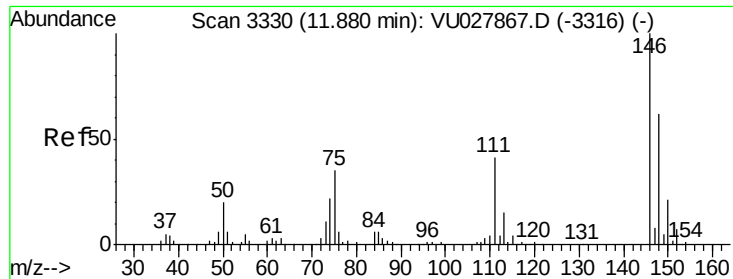


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 0.343 ug/L

RT: 11.88 min Scan# 3330

Delta R.T. 0.00 min

Lab File: VU027875.D

Acq: 30 Oct 2018 15:09

Instrument :

MSVOA_U

ClientSampleId :

MDL04

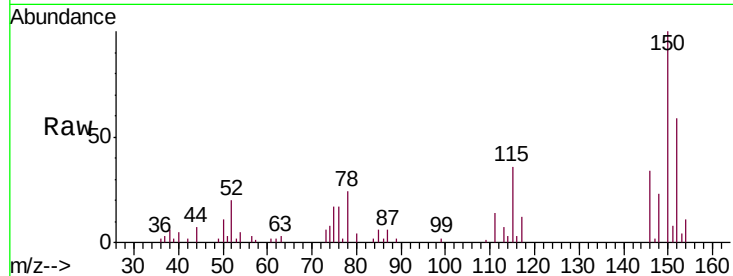
Tgt Ion:146 Resp: 3852

Ion Ratio Lower Upper

146 100

111 43.0 33.0 49.4

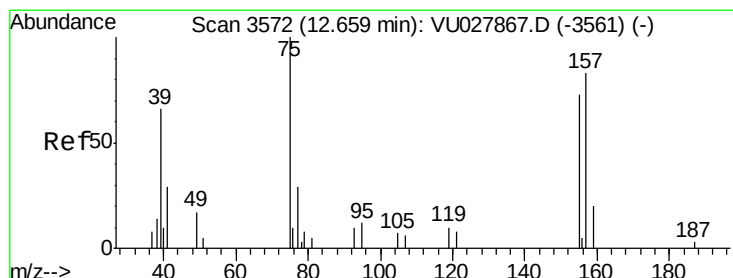
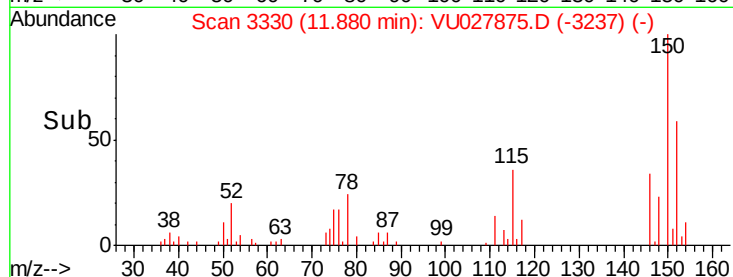
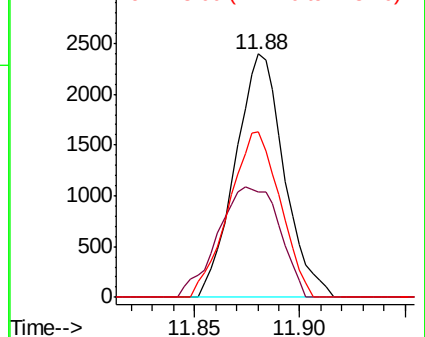
148 68.2 49.2 73.8



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: 0.208 ug/L

RT: 12.65 min Scan# 3570

Delta R.T. -0.01 min

Lab File: VU027875.D

Acq: 30 Oct 2018 15:09

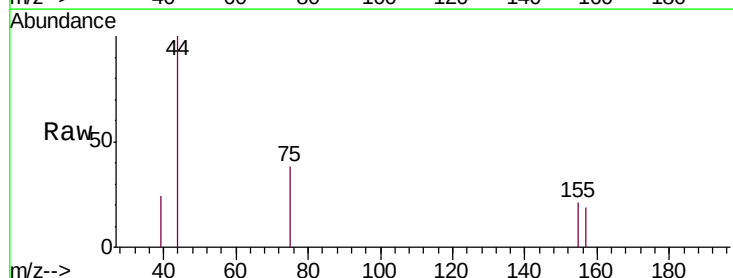
Tgt Ion: 75 Resp: 183

Ion Ratio Lower Upper

75 100

155 54.8 58.6 87.8#

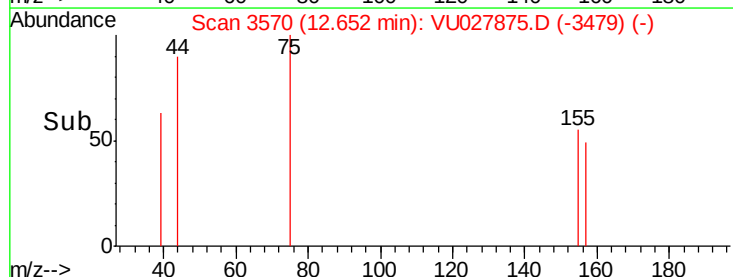
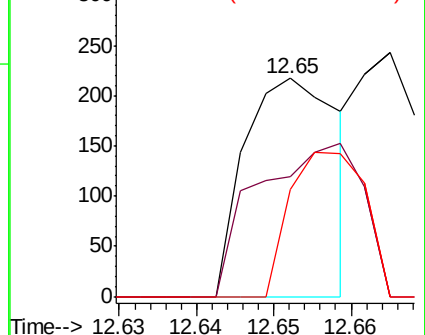
157 48.8 66.7 100.1#

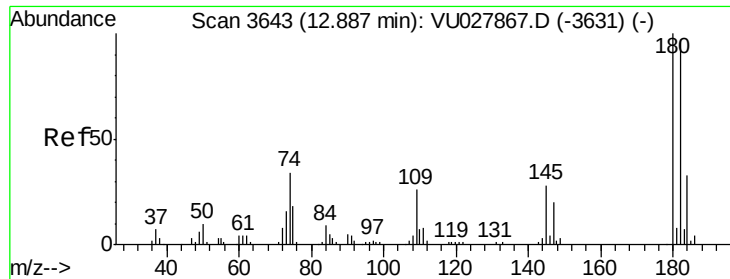


Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V

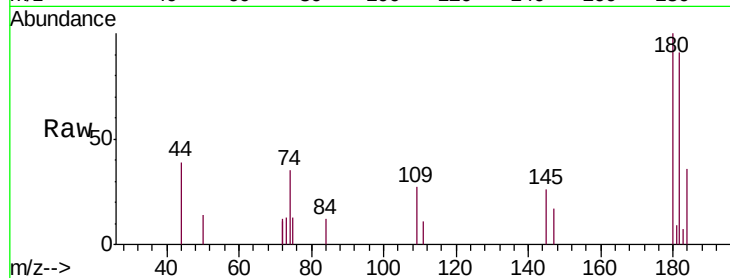




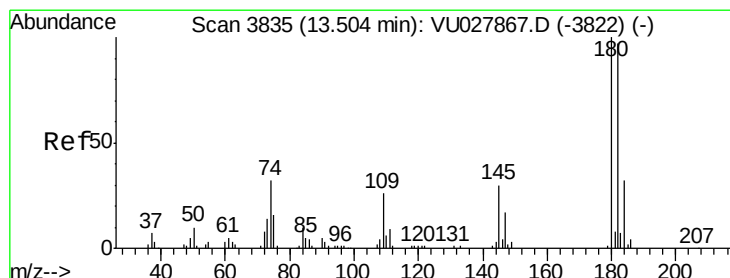
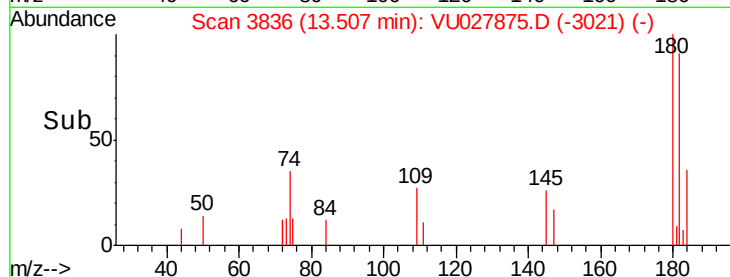
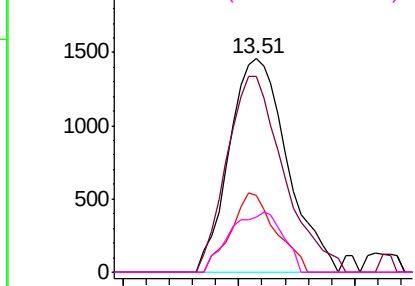
#67
 1,3,5-Trichlorobenzene
 Concen: 0.264 ug/L
 RT: 13.51 min Scan# 3836
 Delta R.T. 0.62 min
 Lab File: VU027875.D
 Acq: 30 Oct 2018 15:09

Instrument :
 MSVOA_U
 ClientSampleId :
 MDL04

Tgt Ion:180 Resp: 2529
 Ion Ratio Lower Upper
 180 100
 182 90.2 77.3 115.9
 184 28.7 24.6 37.0
 145 25.7 23.0 34.6

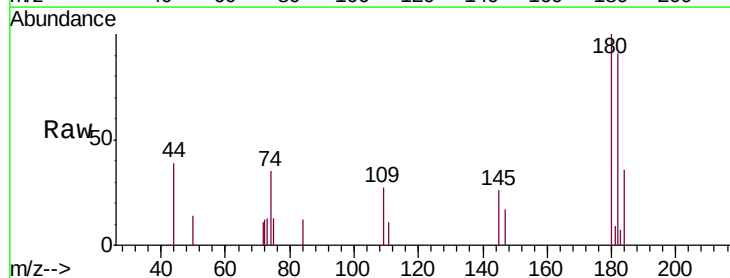


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

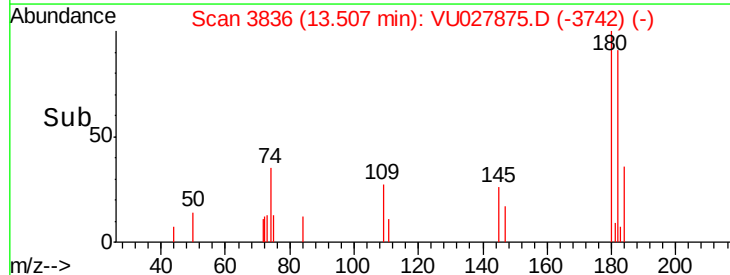
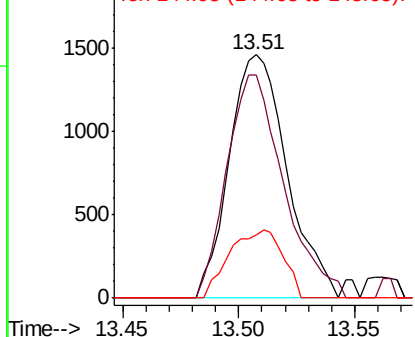


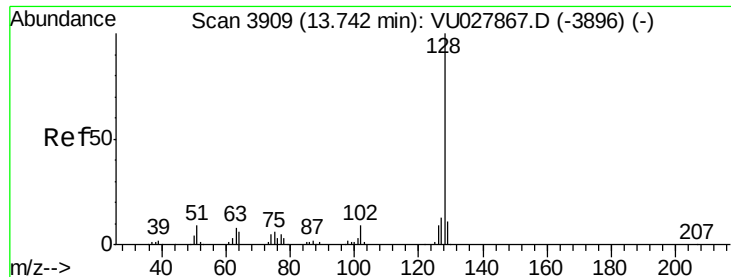
#68
 1,2,4-trichlorobenzene
 Concen: 0.311 ug/L
 RT: 13.51 min Scan# 3836
 Delta R.T. 0.00 min
 Lab File: VU027875.D
 Acq: 30 Oct 2018 15:09

Tgt Ion:180 Resp: 2529
 Ion Ratio Lower Upper
 180 100
 182 90.2 77.8 116.6
 145 25.7 22.9 34.3



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





#69

Naphthalene

Concen: 0.271 ug/L

RT: 13.75 min Scan# 3911

Delta R.T. 0.01 min

Lab File: VU027875.D

Acq: 30 Oct 2018 15:09

Instrument :

MSVOA_U

ClientSampleId :

MDL04

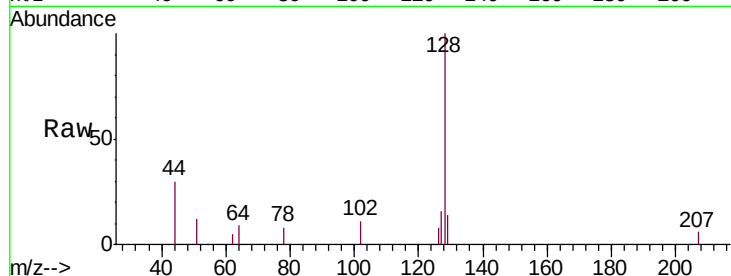
Tgt Ion:128 Resp: 3427

Ion Ratio Lower Upper

128 100

129 8.6 8.6 12.8

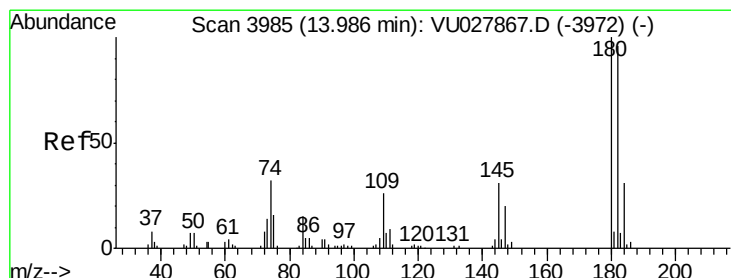
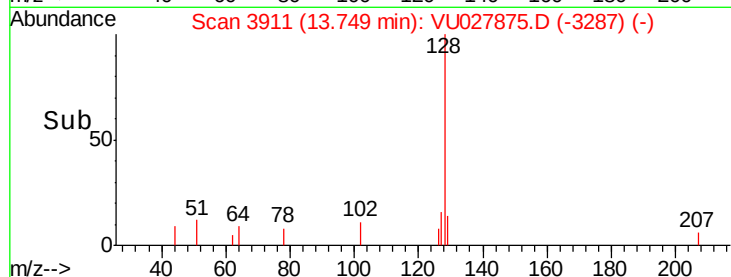
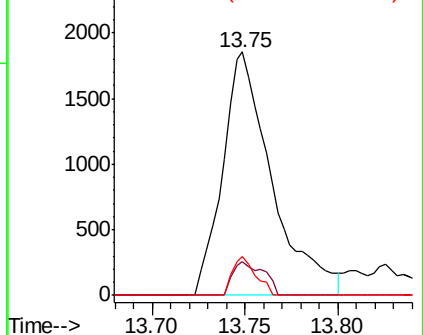
127 7.4 10.5 15.7#



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: 0.331 ug/L

RT: 13.99 min Scan# 3986

Delta R.T. 0.00 min

Lab File: VU027875.D

Acq: 30 Oct 2018 15:09

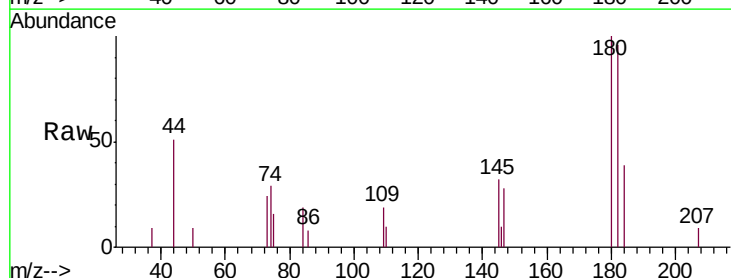
Tgt Ion:180 Resp: 2458

Ion Ratio Lower Upper

180 100

182 93.2 79.4 119.0

145 26.4 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

