

Data File : VU027877.D
Acq On : 30 Oct 2018 16:20
Operator : MD/SY
Sample : MDL06
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
MDL06

Quant Time: Oct 31 02:20:39 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	81134	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	77961	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	39055	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	30487	4.81	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	96.20%
7) Chloroethane-d5	1.68	69	23191	4.74	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	94.80%
11) 1,1-Dichloroethene-d2	2.28	63	43720	3.63	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	72.60%
20) 2-Butanone-d5	4.19	46	91995	48.65	ug/L	-0.01
Spiked Amount	50.000	Range	40 - 130	Recovery	=	97.30%
24) Chloroform-d	4.65	84	52530	4.61	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	92.20%
26) 1,2-Dichloroethane-d4	5.31	65	31776	4.85	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	97.00%
32) Benzene-d6	5.34	84	101930	4.77	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	95.40%
36) 1,2-Dichloropropane-d6	6.33	67	35711	4.73	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	94.60%
41) Toluene-d8	7.57	98	94652	4.66	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	93.20%
43) trans-1,3-Dichloropropene-	7.85	79	13378	4.57	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	91.40%
46) 2-Hexanone-d5	8.31	63	76338	47.71	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	95.42%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	25431	4.76	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	95.20%
64) 1,2-Dichlorobenzene-d4	11.86	152	34785	4.66	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	93.20%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.21	85	2354	0.295 ug/L	99
3) Chloromethane	1.33	50	2552	0.322 ug/L	97
5) Vinyl chloride	1.40	62	2635	0.334 ug/L #	65
6) Bromomethane	1.63	94	755	0.291 ug/L	81
9) Trichlorofluoromethane	1.89	101	3621	0.346 ug/L	90
10) 1,1,2-Trichloro-1,2,2-trif	2.29	101	1859	0.348 ug/L	92
12) 1,1-Dichloroethene	2.29	96	1919	0.381 ug/L #	1
13) Acetone	2.33	43	5427	4.553 ug/L	84
14) Carbon disulfide	2.48	76	5785	0.321 ug/L	98
15) Methyl Acetate	2.62	43	1359	0.426 ug/L #	85
16) Methylene chloride	2.71	84	2081	0.368 ug/L	88
17) Methyl tert-butyl Ether	3.01	73	4659	0.310 ug/L #	88
18) trans-1,2-Dichloroethene	2.99	96	1711	0.319 ug/L	93
19) 1,1-Dichloroethane	3.45	63	3629	0.321 ug/L	97
21) 2-Butanone	4.28	43	6538	3.155 ug/L	88
22) cis-1,2-Dichloroethene	4.23	96	911	0.147 ug/L	83
23) Bromochloromethane	4.56	128	785	0.306 ug/L #	67

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
25) Chloroform	4.68	83	3808	0.332	ug/L	100
27) 1,2-Dichloroethane	5.41	62	2739	0.342	ug/L #	78
29) 1,1,1-Trichloroethane	4.92	97	2784	0.277	ug/L	91
30) Cyclohexane	5.00	56	3393	0.287	ug/L	92
31) Carbon tetrachloride	5.13	117	2664	0.309	ug/L	99
33) Benzene	5.39	78	7646	0.310	ug/L	100
34) Trichloroethene	6.19	95	1872	0.291	ug/L #	88
35) Methylcyclohexane	6.41	83	3333	0.305	ug/L	91
37) 1,2-Dichloropropane	6.43	63	2278	0.324	ug/L #	90
38) Bromodichloromethane	6.76	83	2328	0.283	ug/L	87
39) cis-1,3-Dichloropropene	7.27	75	3108	0.308	ug/L	96
40) 4-Methyl-2-pentanone	7.47	43	15628	3.145	ug/L #	92
42) Toluene	7.64	91	8054	0.312	ug/L	96
44) trans-1,3-Dichloropropene	7.88	75	2632	0.304	ug/L	96
45) 1,1,2-Trichloroethane	8.07	97	1399	0.323	ug/L	82
47) Tetrachloroethene	8.23	164	1684	0.341	ug/L	87
48) 2-Hexanone	8.37	43	11817	3.299	ug/L	99
49) Dibromochloromethane	8.48	129	1350	0.258	ug/L	94
50) 1,2-Dibromoethane	8.59	107	1302	0.315	ug/L #	86
51) Chlorobenzene	9.12	112	5122	0.320	ug/L	94
52) Ethylbenzene	9.25	91	8958	0.304	ug/L	99
53) m,p-xylene	9.38	106	3027	0.283	ug/L	97
54) o-xylene	9.78	106	3063	0.292	ug/L	95
55) Styrene	9.80	104	4856	0.276	ug/L	93
56) Isopropylbenzene	10.17	105	8476	0.297	ug/L	98
58) 1,1,2,2-Tetrachloroethane	10.46	83	1892	0.335	ug/L #	87
59) 1,2,3-Trichloropropane	11.48	75	6272	1.471	ug/L	97
61) Bromoform	9.96	173	648	0.226	ug/L #	86
62) 1,3-Dichlorobenzene	11.42	146	3567	0.284	ug/L	93
63) 1,4-Dichlorobenzene	11.51	146	4169	0.332	ug/L	98
65) 1,2-Dichlorobenzene	11.88	146	3851	0.325	ug/L	90
67) 1,3,5-Trichlorobenzene	12.89	180	3057	0.302	ug/L	98
68) 1,2,4-trichlorobenzene	13.51	180	2270	0.264	ug/L	94
69) Naphthalene	13.75	128	3588	0.268	ug/L #	86
70) 1,2,3-Trichlorobenzene	13.99	180	2063	0.263	ug/L #	86

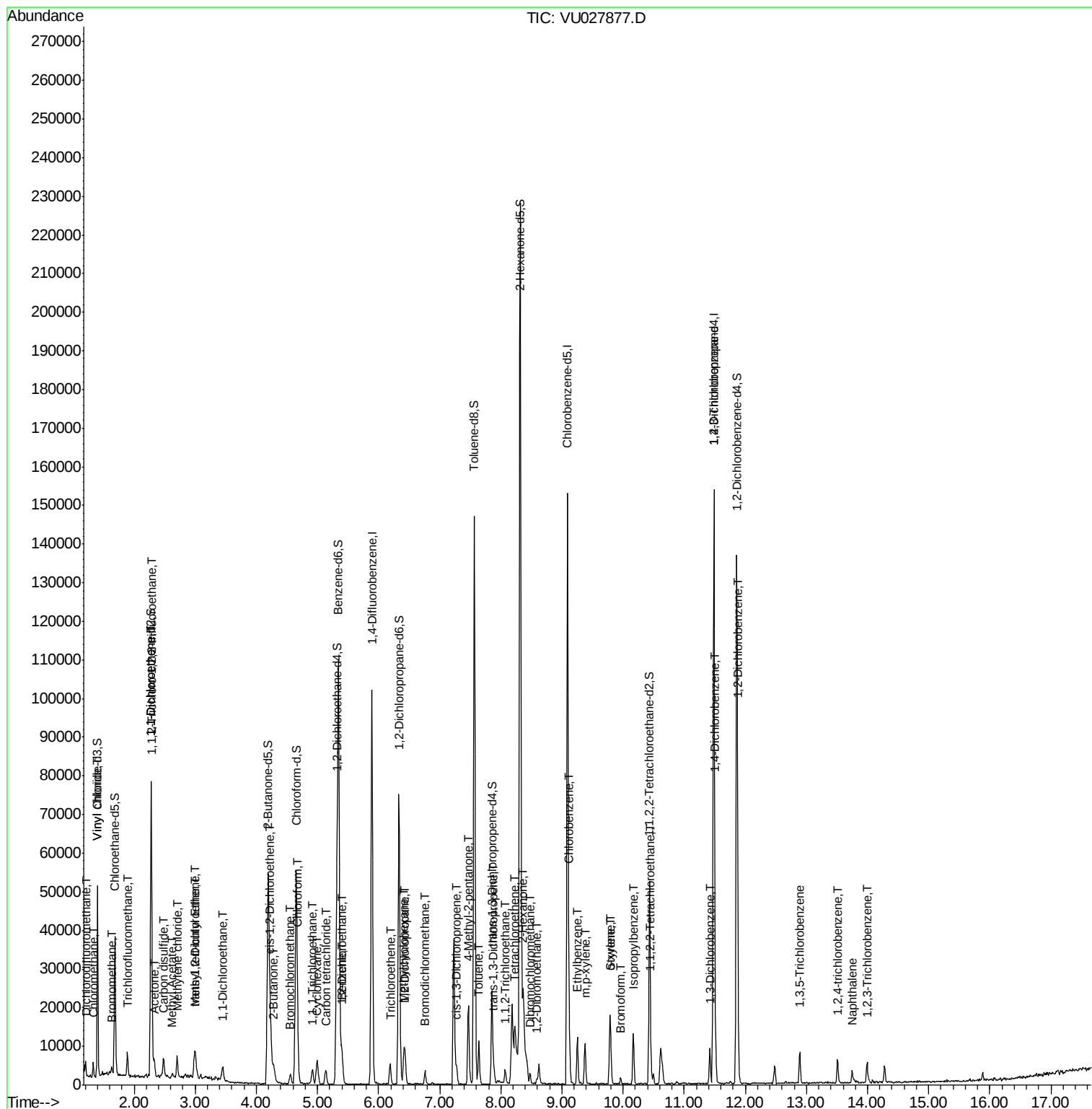
(#) = qualifier out of range (m) = manual integration (+) = signals summed

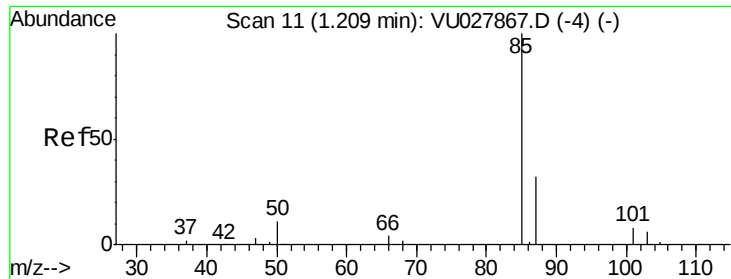
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#2

Dichlorodifluoromethane

Concen: 0.295 ug/L

RT: 1.21 min Scan# 11

Delta R.T. -0.00 min

Lab File: VU027877.D

Acq: 30 Oct 2018 16:20

Instrument :

MSVOA_U

ClientSampleId :

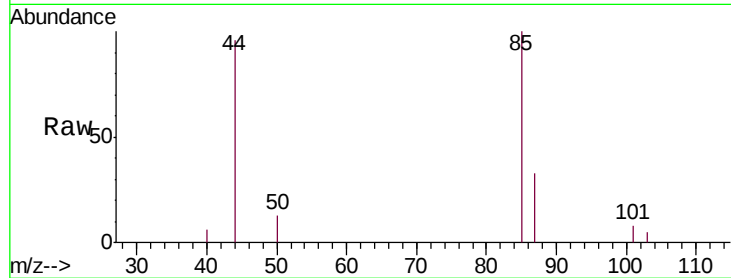
MDL06

Tgt Ion: 85 Resp: 2354

Ion Ratio Lower Upper

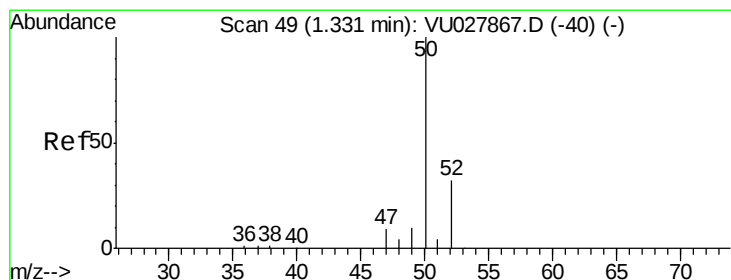
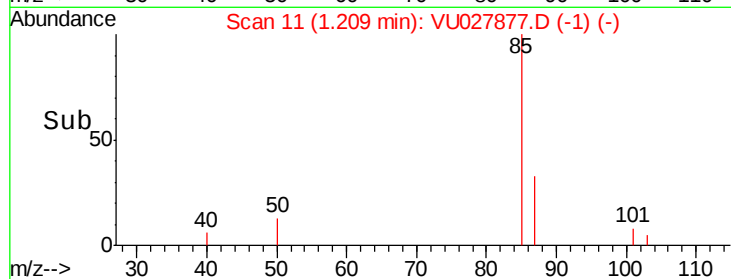
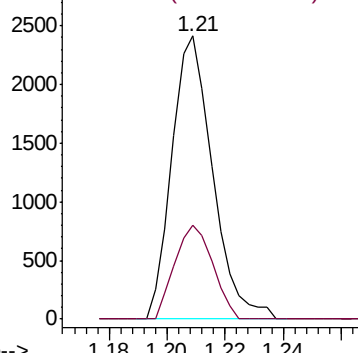
85 100

87 30.7 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: 0.322 ug/L

RT: 1.33 min Scan# 49

Delta R.T. -0.00 min

Lab File: VU027877.D

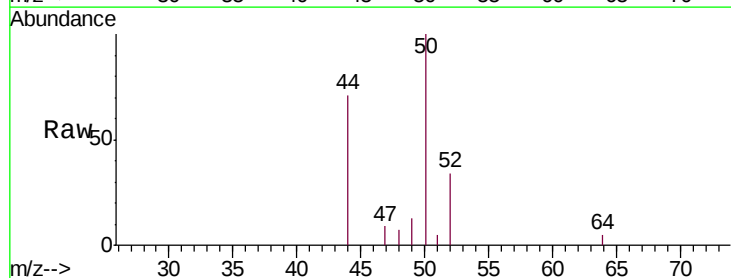
Acq: 30 Oct 2018 16:20

Tgt Ion: 50 Resp: 2552

Ion Ratio Lower Upper

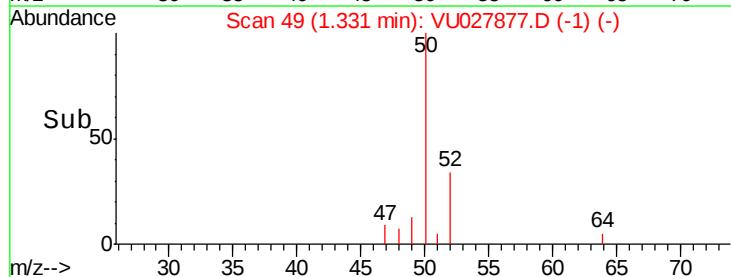
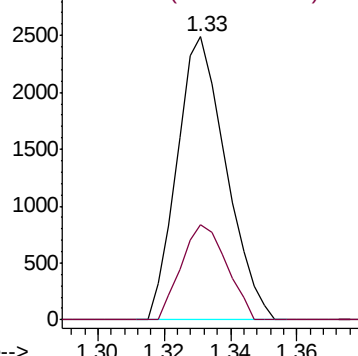
50 100

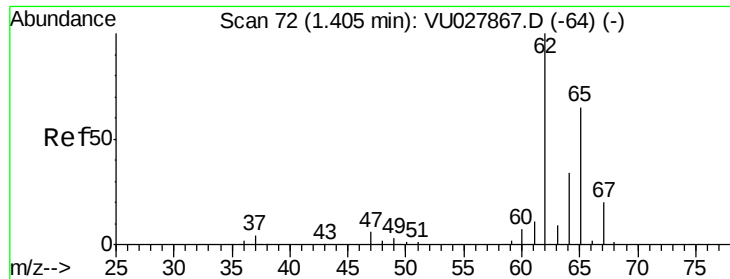
52 33.7 22.3 41.5



Abundance Ion 50.05 (49.75 to 50.75): VU0

Ion 52.05 (51.75 to 52.75): VU0





#5

Vinyl chloride

Concen: 0.334 ug/L

RT: 1.40 min Scan# 72

Delta R.T. -0.00 min

Lab File: VU027877.D

Acq: 30 Oct 2018 16:20

Instrument :

MSVOA_U

ClientSampleId :

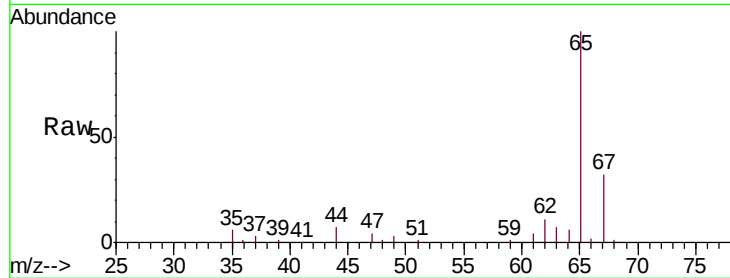
MDL06

Tgt Ion: 62 Resp: 2635

Ion Ratio Lower Upper

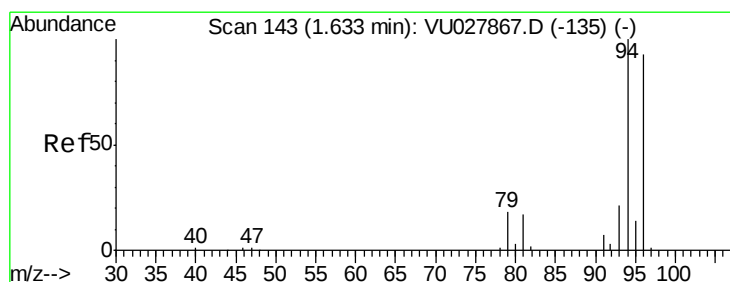
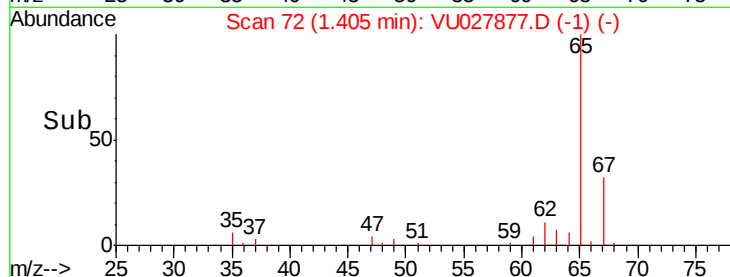
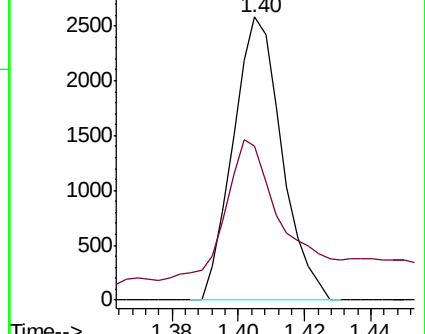
62 100

64 54.6 24.0 44.6#



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 64.10 (63.80 to 64.80): VU0



#6

Bromomethane

Concen: 0.291 ug/L

RT: 1.63 min Scan# 143

Delta R.T. -0.00 min

Lab File: VU027877.D

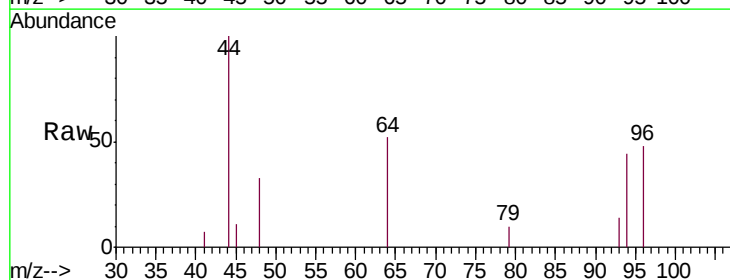
Acq: 30 Oct 2018 16:20

Tgt Ion: 94 Resp: 755

Ion Ratio Lower Upper

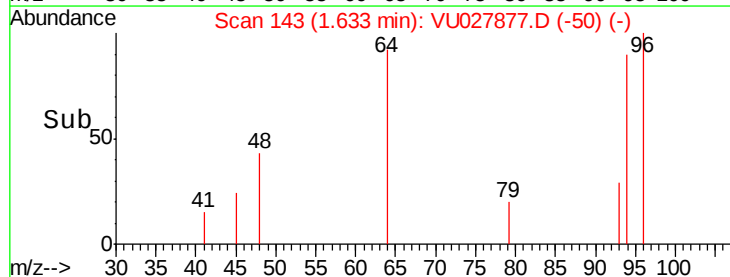
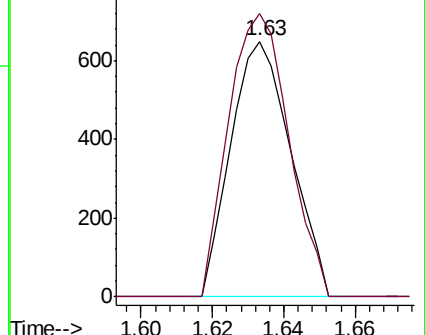
94 100

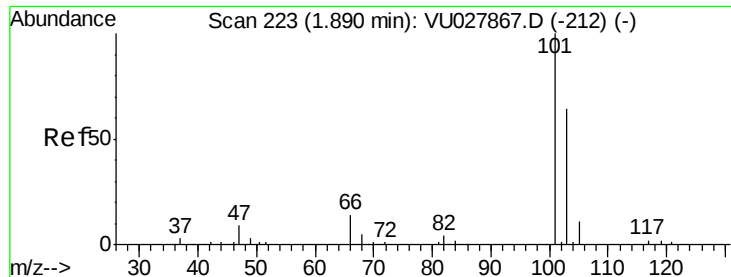
96 110.8 65.0 120.6



Abundance Ion 94.00 (93.70 to 94.70): VU0

Ion 96.00 (95.70 to 96.70): VU0





#9

Trichlorofluoromethane

Concen: 0.346 ug/L

RT: 1.89 min Scan# 223

Delta R.T. -0.00 min

Lab File: VU027877.D

Acq: 30 Oct 2018 16:20

Instrument :

MSVOA_U

ClientSampled :

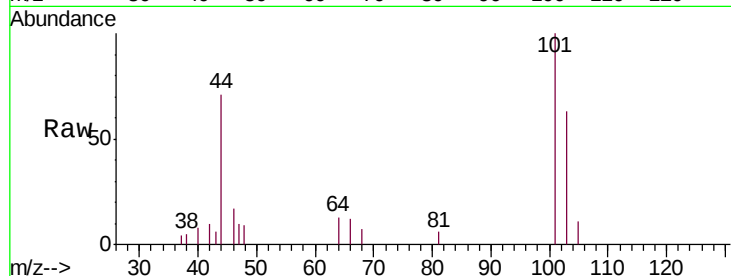
MDL06

Tgt Ion:101 Resp: 3621

Ion Ratio Lower Upper

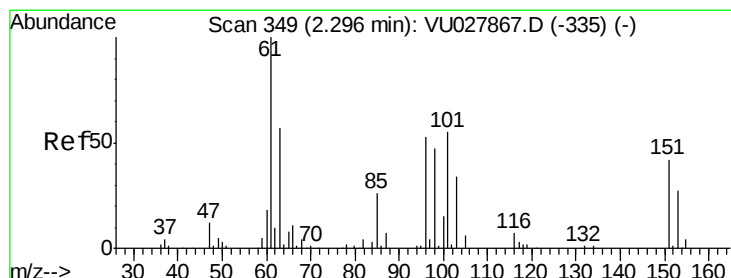
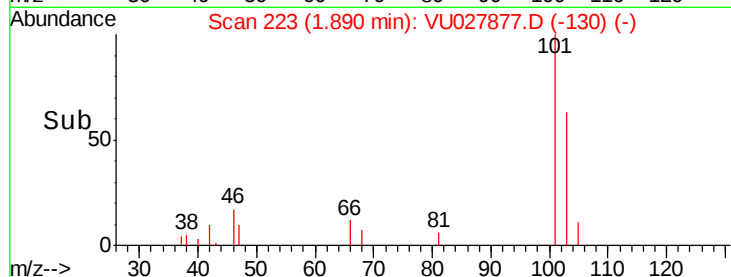
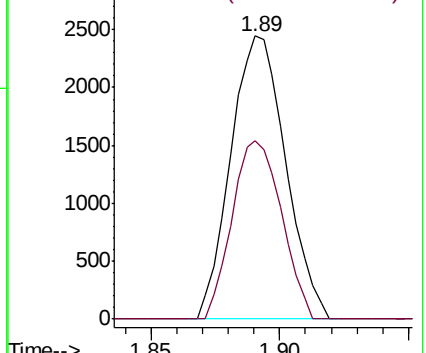
101 100

103 56.5 51.4 77.0



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V



#10

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

Concen: 0.348 ug/L

RT: 2.29 min Scan# 348

Delta R.T. -0.00 min

Lab File: VU027877.D

Acq: 30 Oct 2018 16:20

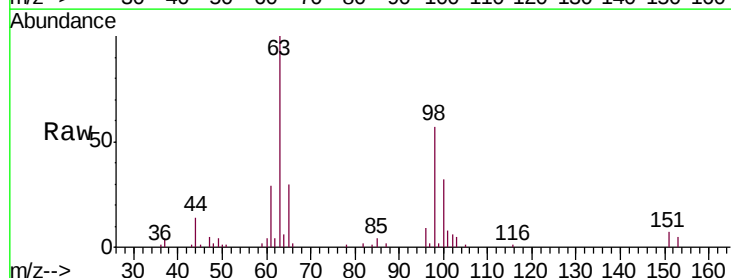
Tgt Ion:101 Resp: 1859

Ion Ratio Lower Upper

101 100

85 38.9 37.1 55.7

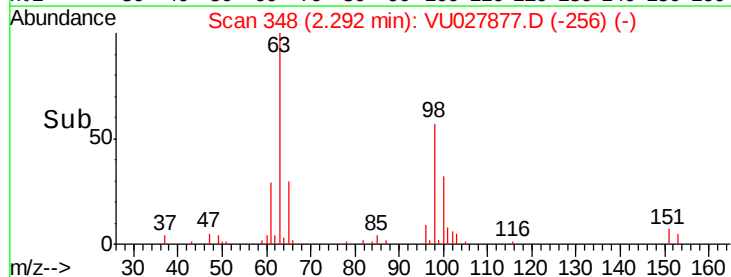
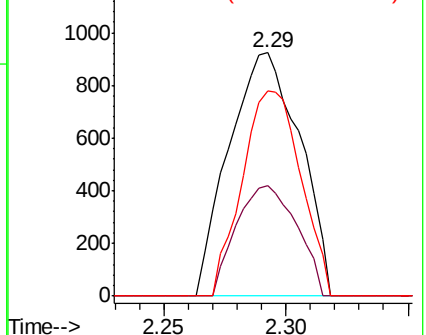
151 69.7 59.9 89.9

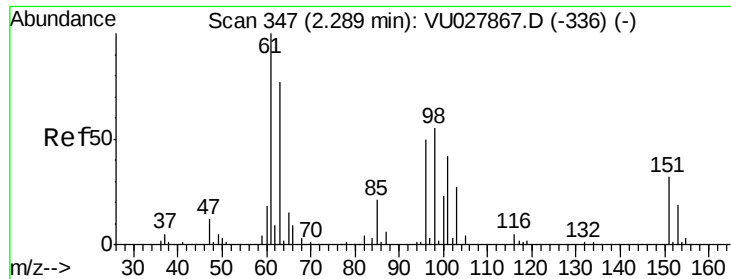


Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VU0

Ion 151.00 (150.70 to 151.70): V





#12

1,1-Dichloroethene

Concen: 0.381 ug/L

RT: 2.29 min Scan# 347

Delta R.T. -0.00 min

Lab File: VU027877.D

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ClientSampleId :

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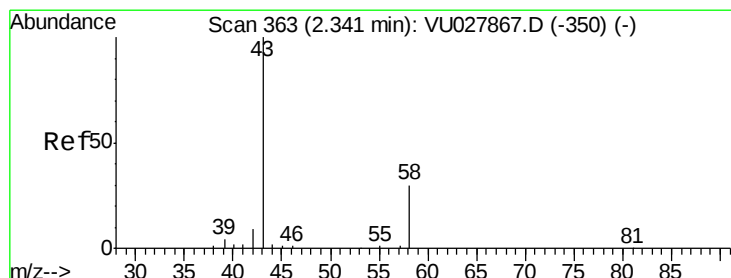
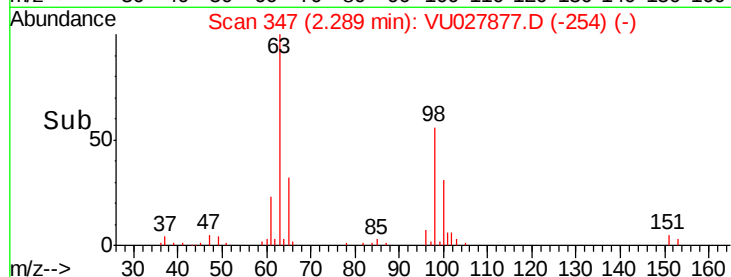
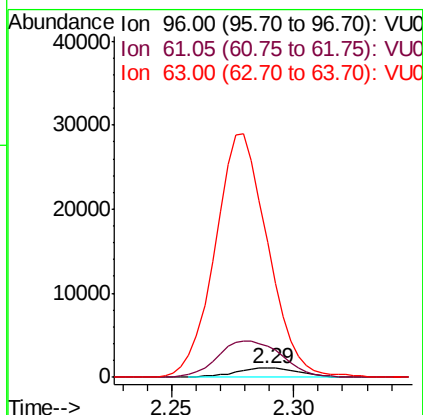
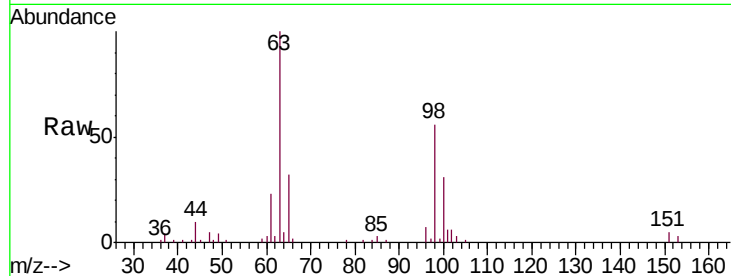
Tgt Ion: 96 Resp: 1919

Ion Ratio Lower Upper

96 100

61 341.5 141.1 262.1#

63 1453.4 113.0 209.9#



#13

Acetone

Concen: 4.553 ug/L

RT: 2.33 min Scan# 359

Delta R.T. -0.01 min

Lab File: VU027877.D

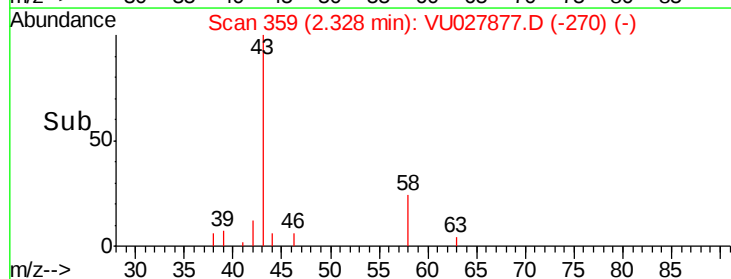
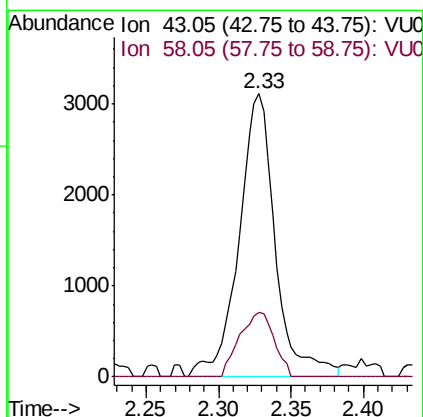
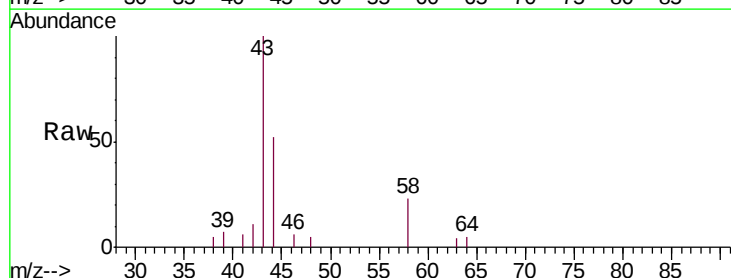
Acq: 30 Oct 2018 16:20

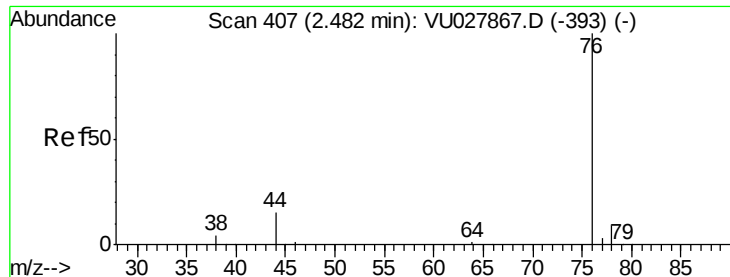
Tgt Ion: 43 Resp: 5427

Ion Ratio Lower Upper

43 100

58 21.7 0.0 61.4





#14

Carbon disulfide

Concen: 0.321 ug/L

RT: 2.48 min Scan# 407

Delta R.T. -0.00 min

Lab File: VU027877.D

Acq: 30 Oct 2018 16:20

Instrument :

MSVOA_U

ClientSampleId :

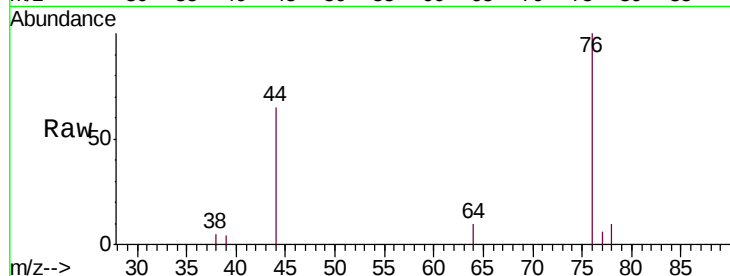
MDL06

Tgt Ion: 76 Resp: 5785

Ion Ratio Lower Upper

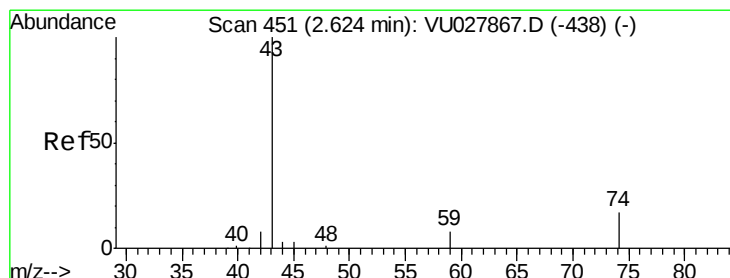
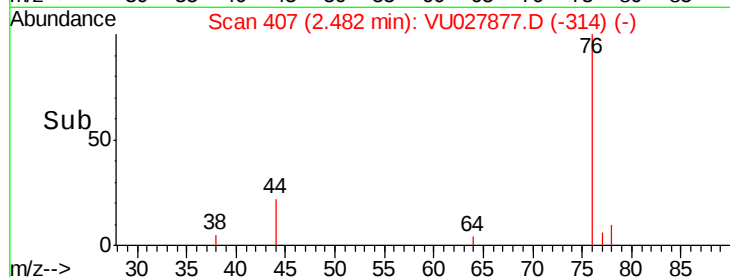
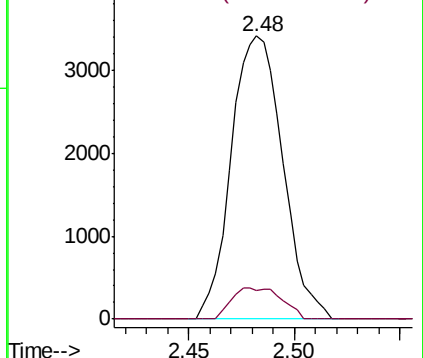
76 100

78 10.2 7.5 11.3



Abundance Ion 76.05 (75.75 to 76.75): VU027867.D (-393) (-)

Ion 78.00 (77.70 to 78.70): VU027867.D (-393) (-)



#15

Methyl Acetate

Concen: 0.426 ug/L

RT: 2.62 min Scan# 450

Delta R.T. -0.00 min

Lab File: VU027877.D

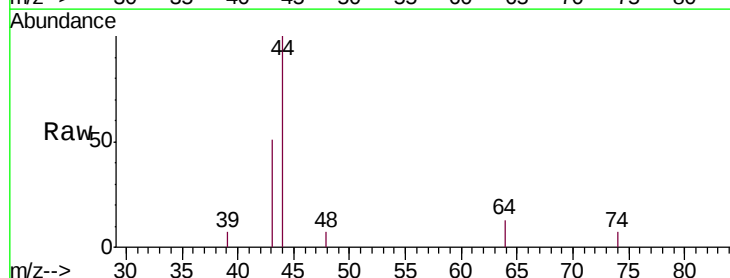
Acq: 30 Oct 2018 16:20

Tgt Ion: 43 Resp: 1359

Ion Ratio Lower Upper

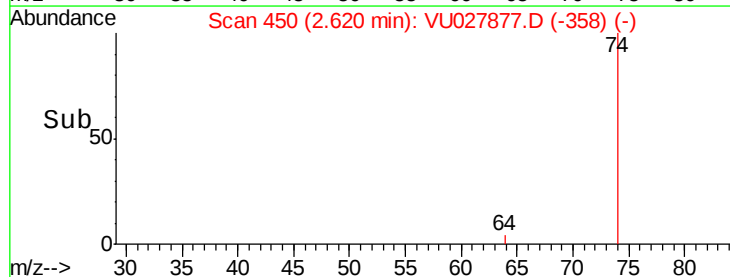
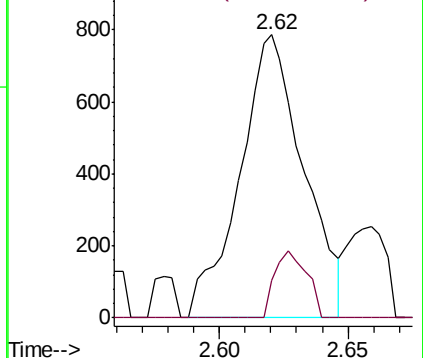
43 100

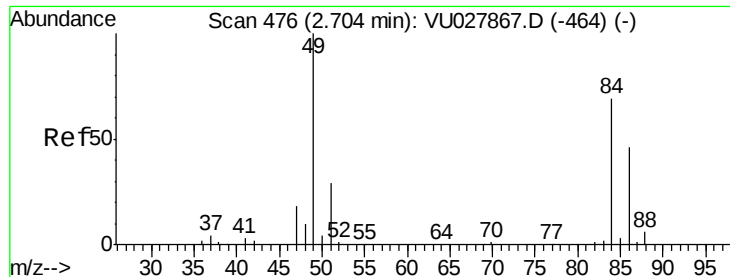
74 11.9 14.9 22.3#



Abundance Ion 43.05 (42.75 to 43.75): VU027867.D (-438) (-)

Ion 74.05 (73.75 to 74.75): VU027867.D (-438) (-)

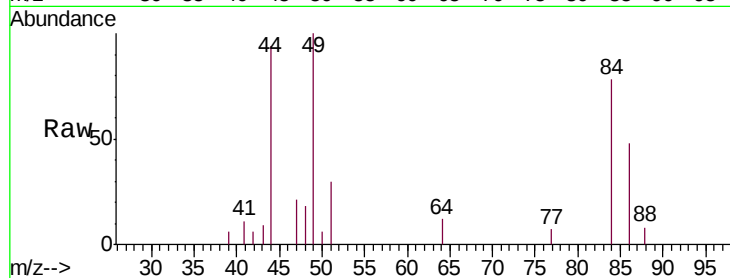




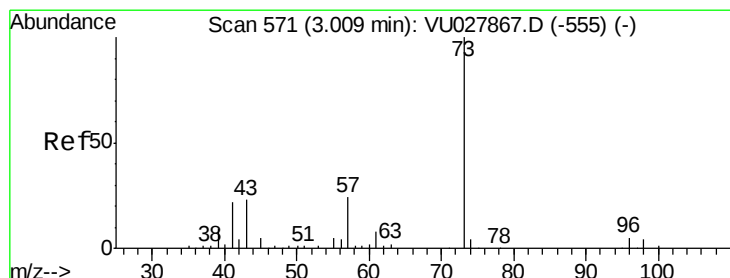
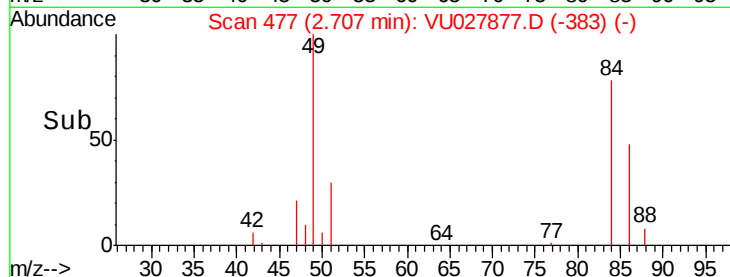
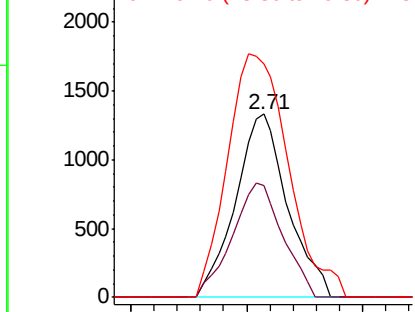
#16
Methylene chloride
Concen: 0.368 ug/L
RT: 2.71 min Scan# 477
Delta R.T. 0.00 min
Lab File: VU027877.D
Acq: 30 Oct 2018 16:20

Instrument :
MSVOA_U
ClientSampleId :
MDL06

Tgt Ion: 84 Resp: 2081
Ion Ratio Lower Upper
84 100
86 61.1 46.7 86.7
49 127.5 101.3 188.1

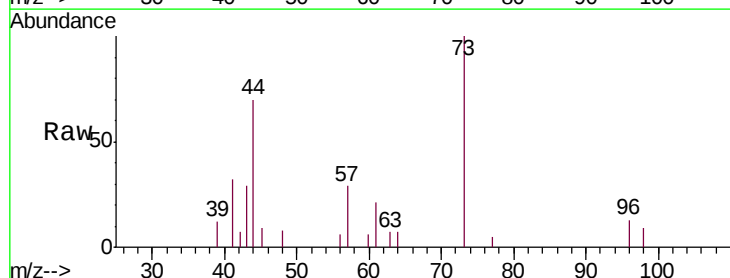


Abundance Ion 84.05 (83.75 to 84.75): VU0
Ion 86.00 (85.70 to 86.70): VU0
Ion 49.10 (48.80 to 49.80): VU0

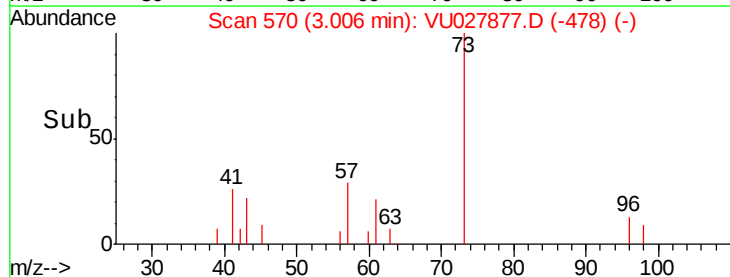
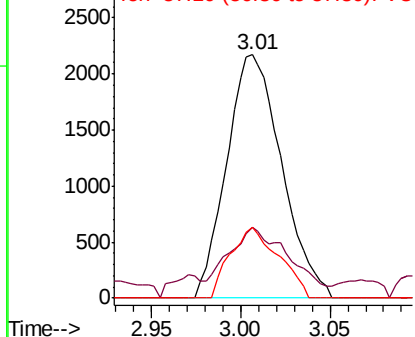


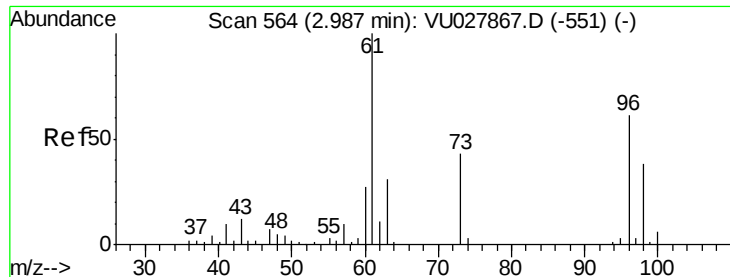
#17
Methyl tert-butyl Ether
Concen: 0.310 ug/L
RT: 3.01 min Scan# 570
Delta R.T. -0.00 min
Lab File: VU027877.D
Acq: 30 Oct 2018 16:20

Tgt Ion: 73 Resp: 4659
Ion Ratio Lower Upper
73 100
43 33.2 18.7 28.1#
57 25.5 18.7 28.1



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

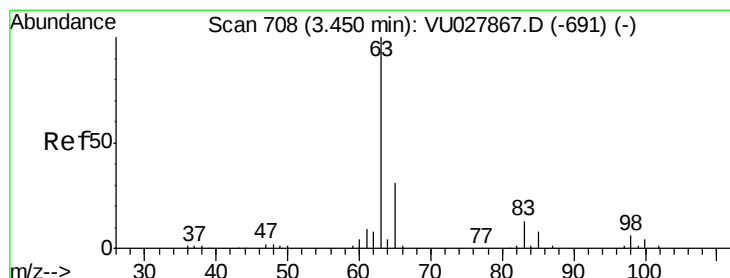
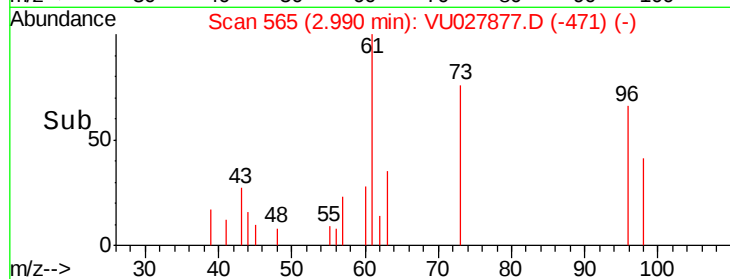
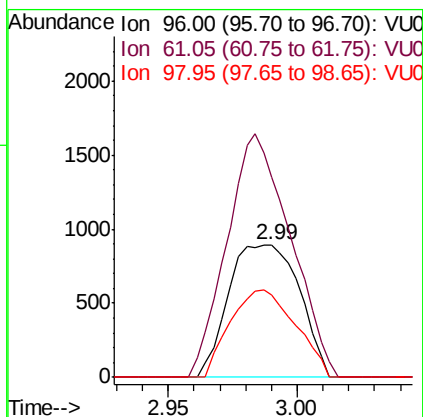
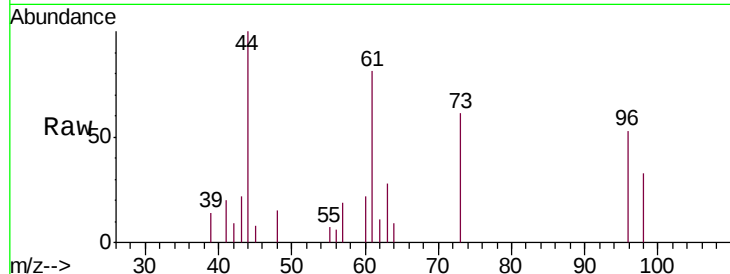




#18
trans-1,2-Dichloroethene
Concen: 0.319 ug/L
RT: 2.99 min Scan# 565
Delta R.T. 0.00 min
Lab File: VU027877.D
Acq: 30 Oct 2018 16:20

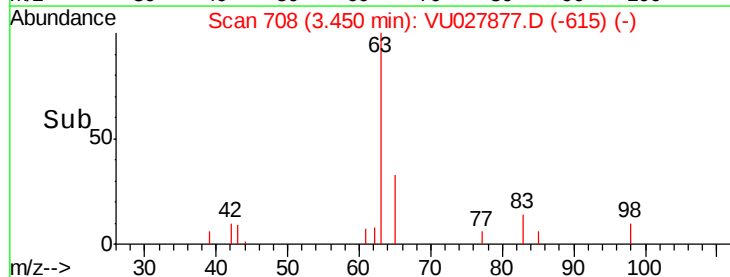
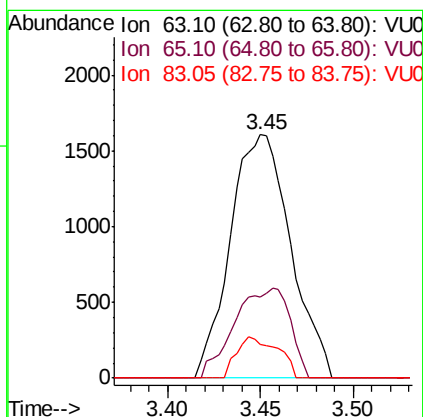
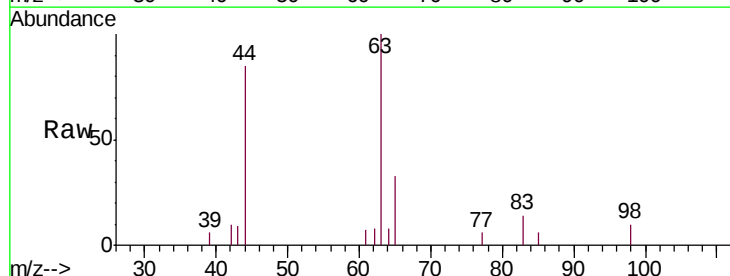
Instrument :
MSVOA_U
ClientSampleId :
MDL06

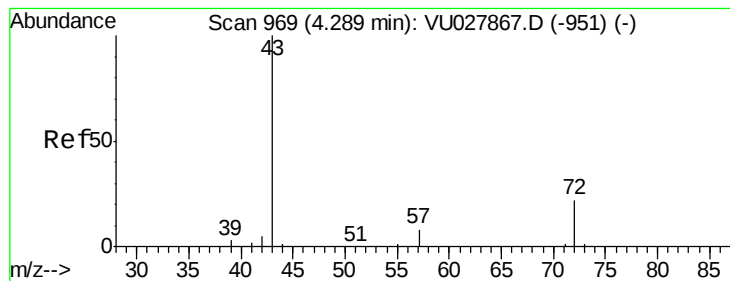
Tgt Ion: 96 Resp: 1711
Ion Ratio Lower Upper
96 100
61 151.4 115.2 214.0
98 61.8 44.0 81.8



#19
1,1-Dichloroethane
Concen: 0.321 ug/L
RT: 3.45 min Scan# 708
Delta R.T. -0.00 min
Lab File: VU027877.D
Acq: 30 Oct 2018 16:20

Tgt Ion: 63 Resp: 3629
Ion Ratio Lower Upper
63 100
65 33.3 21.8 40.4
83 14.0 9.4 17.4





#21

2-Butanone

Concen: 3.155 ug/L

RT: 4.28 min Scan# 967

Delta R.T. -0.01 min

Lab File: VU027877.D

Acq: 30 Oct 2018 16:20

Instrument :

MSVOA_U

ClientSampleId :

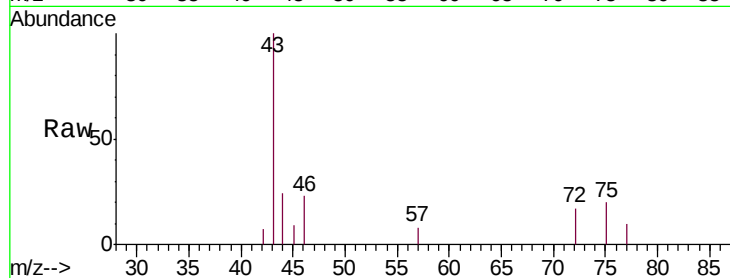
MDL06

Tgt Ion: 43 Resp: 6538

Ion Ratio Lower Upper

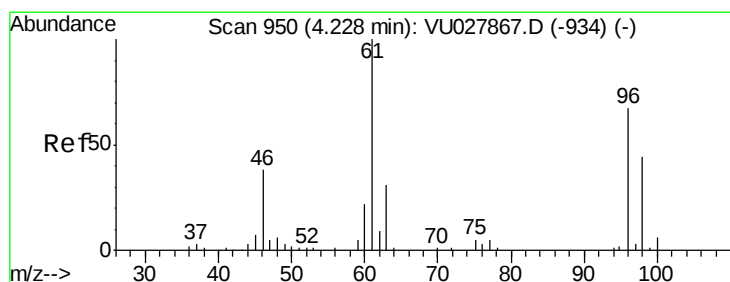
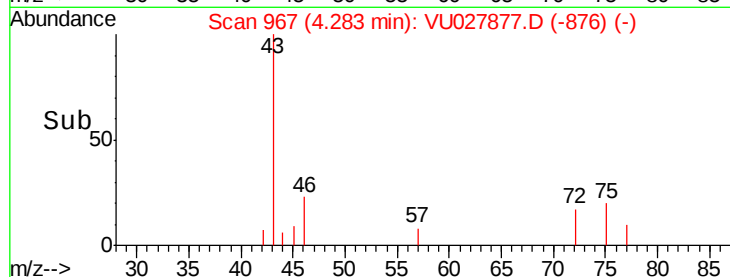
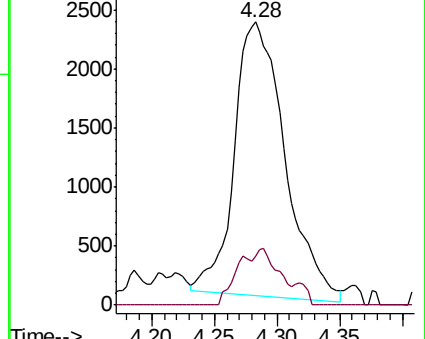
43 100

72 16.4 10.9 32.9



Abundance Ion 43.05 (42.75 to 43.75): VU0

Ion 72.10 (71.80 to 72.80): VU0



#22

cis-1,2-Dichloroethene

Concen: 0.147 ug/L

RT: 4.23 min Scan# 952

Delta R.T. 0.01 min

Lab File: VU027877.D

Acq: 30 Oct 2018 16:20

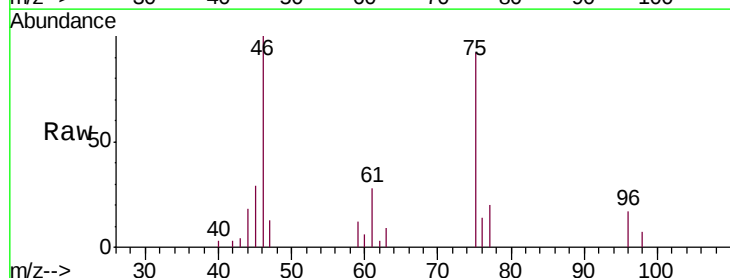
Tgt Ion: 96 Resp: 911

Ion Ratio Lower Upper

96 100

61 169.4 104.0 193.2

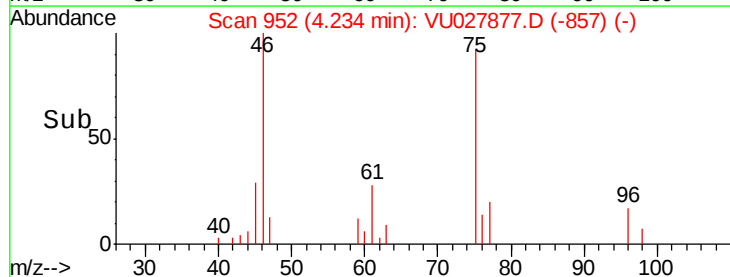
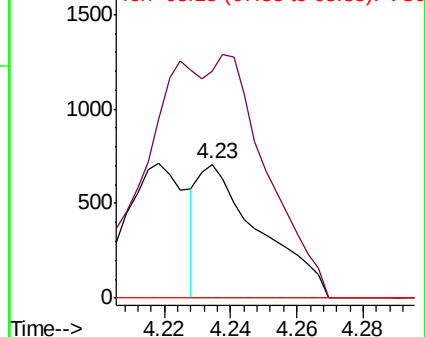
68 0.0 0.0 0.0

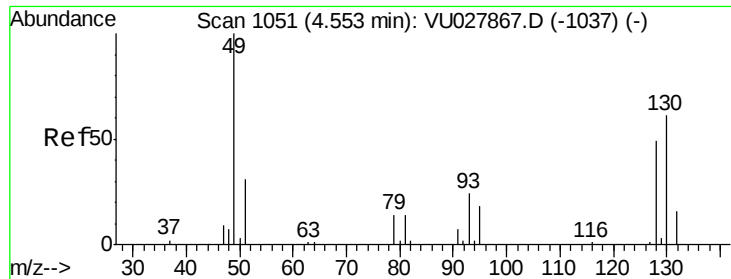


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 68.15 (67.85 to 68.85): VU0

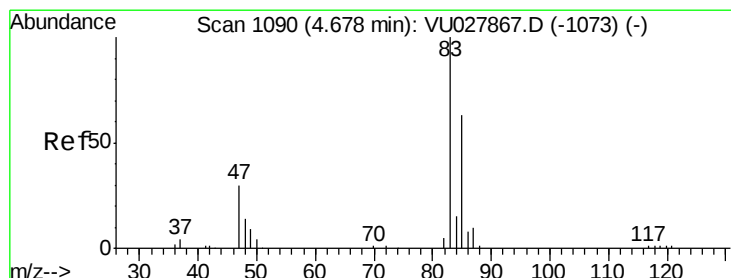
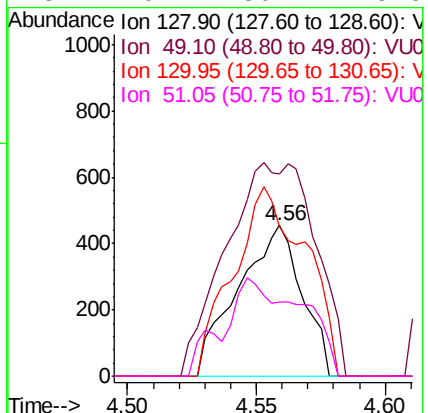
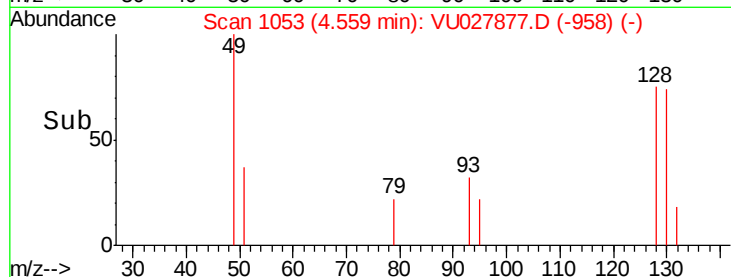
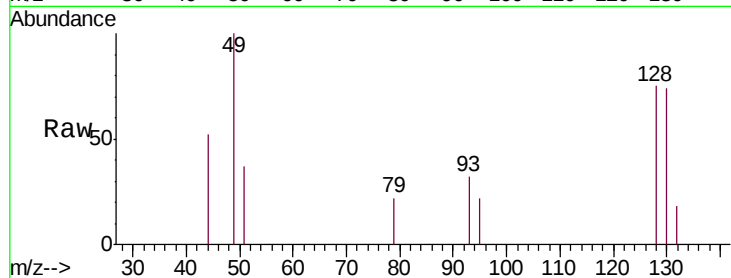




#23
Bromochloromethane
Concen: 0.306 ug/L
RT: 4.56 min Scan# 1053
Delta R.T. 0.01 min
Lab File: VU027877.D
Acq: 30 Oct 2018 16:20

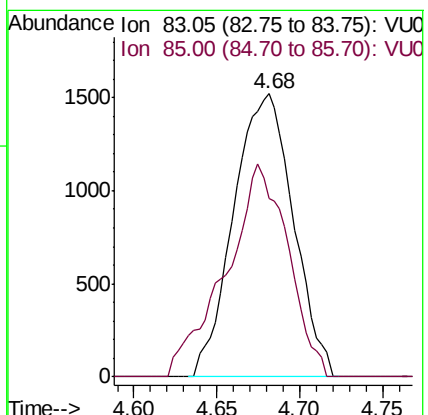
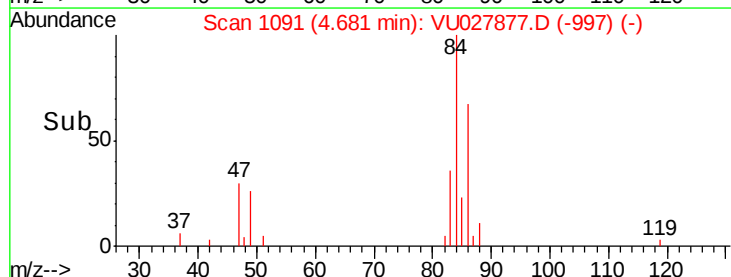
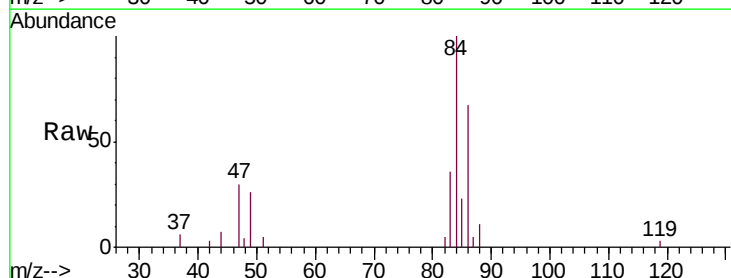
Instrument :
MSVOA_U
ClientSampleId :
MDL06

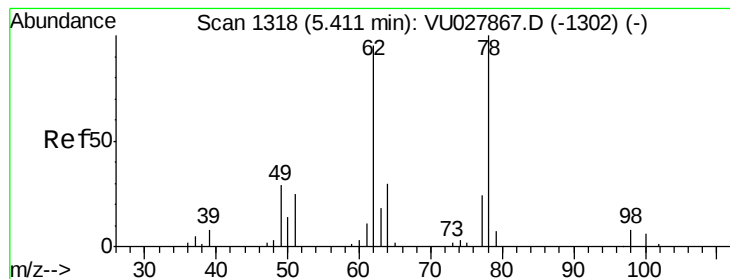
Tgt Ion: 128 Resp: 785
Ion Ratio Lower Upper
128 100
49 134.1 142.0 263.8#
130 99.3 86.1 159.9
51 49.7 50.4 75.6#



#25
Chloroform
Concen: 0.332 ug/L
RT: 4.68 min Scan# 1091
Delta R.T. 0.00 min
Lab File: VU027877.D
Acq: 30 Oct 2018 16:20

Tgt Ion: 83 Resp: 3808
Ion Ratio Lower Upper
83 100
85 63.0 44.0 81.8

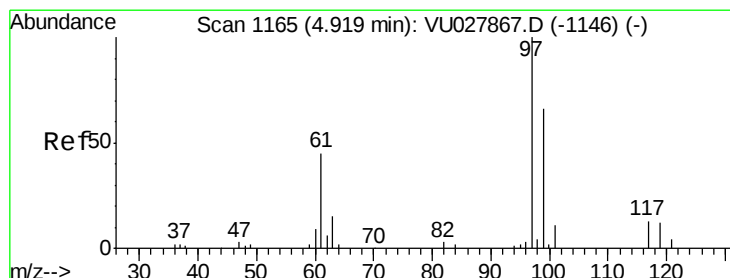
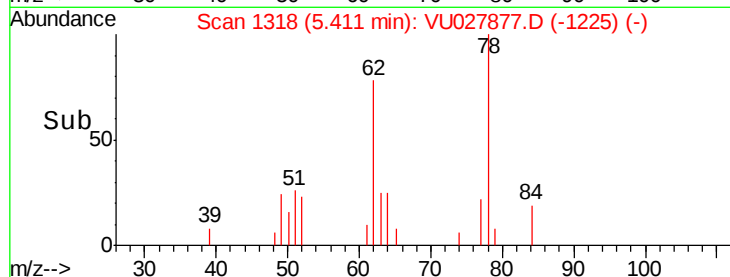
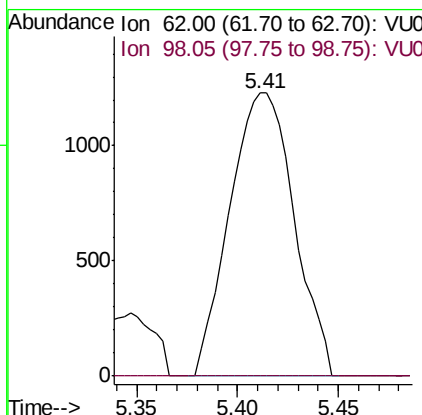
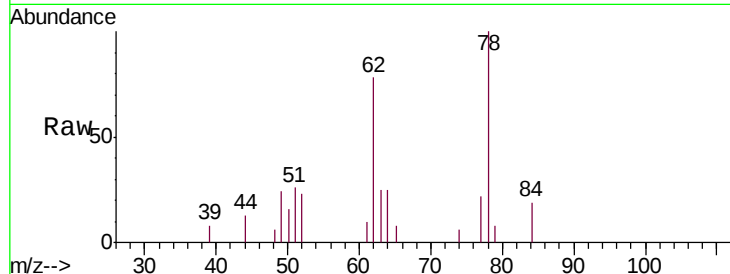




#27
 1,2-Dichloroethane
 Concen: 0.342 ug/L
 RT: 5.41 min Scan# 1318
 Delta R.T. -0.00 min
 Lab File: VU027877.D
 Acq: 30 Oct 2018 16:20

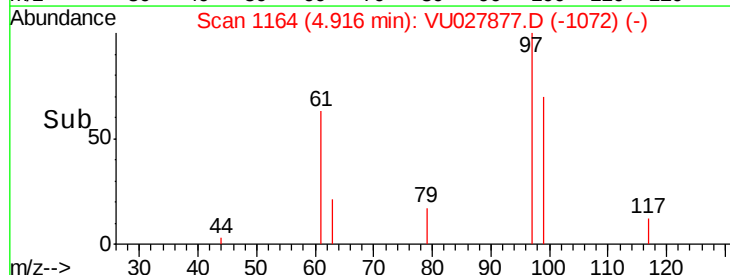
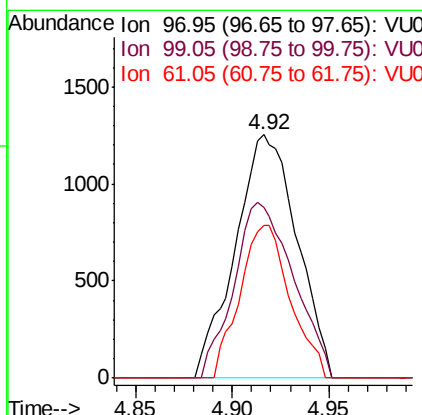
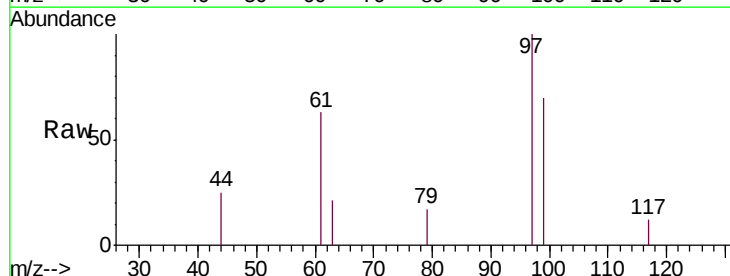
Instrument :
 MSVOA_U
 ClientSampleId :
 MDL06

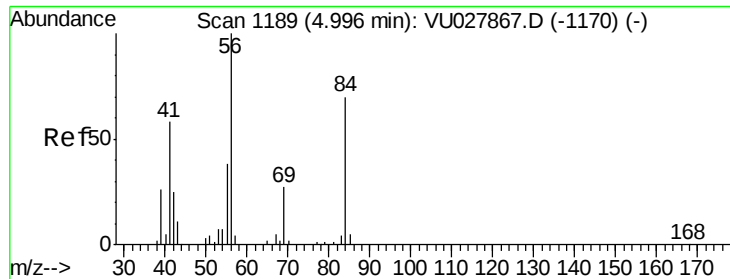
Tgt Ion: 62 Resp: 2739
 Ion Ratio Lower Upper
 62 100
 98 0.0 6.3 9.5#



#29
 1,1,1-Trichloroethane
 Concen: 0.277 ug/L
 RT: 4.92 min Scan# 1164
 Delta R.T. -0.00 min
 Lab File: VU027877.D
 Acq: 30 Oct 2018 16:20

Tgt Ion: 97 Resp: 2784
 Ion Ratio Lower Upper
 97 100
 99 69.5 50.6 76.0
 61 51.4 35.8 53.6

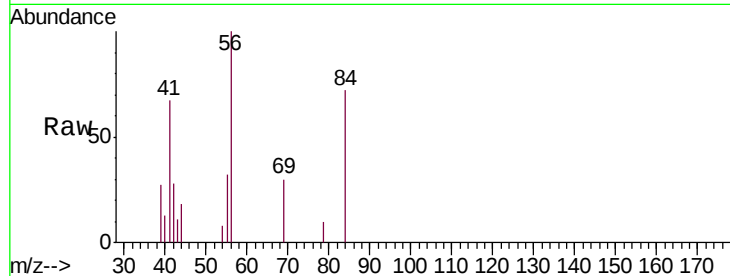




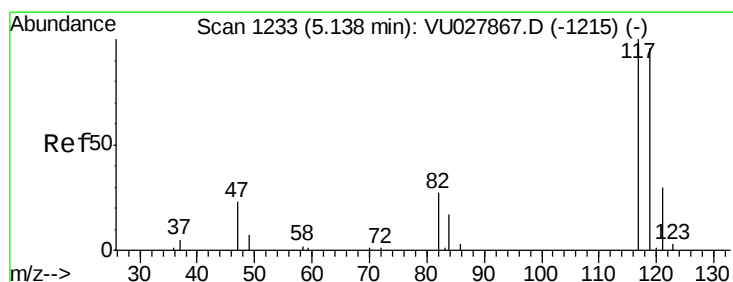
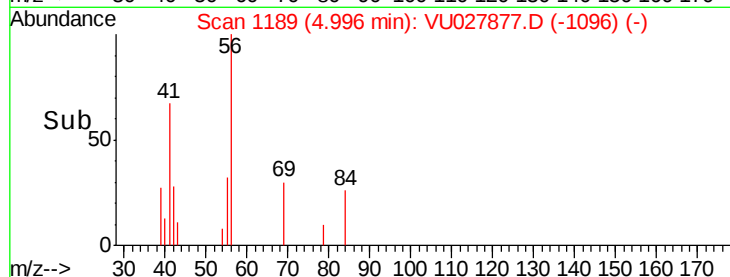
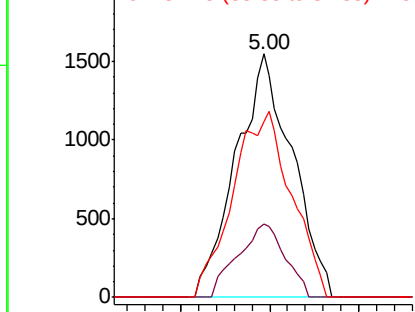
#30
Cyclohexane
Concen: 0.287 ug/L
RT: 5.00 min Scan# 1189
Delta R.T. -0.00 min
Lab File: VU027877.D
Acq: 30 Oct 2018 16:20

Instrument :
MSVOA_U
ClientSampleId :
MDL06

Tgt Ion: 56 Resp: 3393
Ion Ratio Lower Upper
56 100
69 25.4 22.7 34.1
84 79.8 58.1 87.1

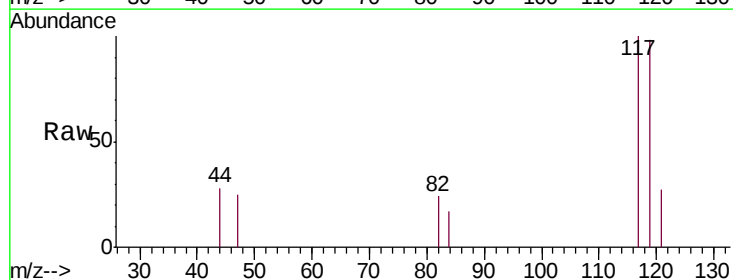


Abundance Ion 56.10 (55.80 to 56.80): VU0
Ion 69.15 (68.85 to 69.85): VU0
Ion 84.15 (83.85 to 84.85): VU0

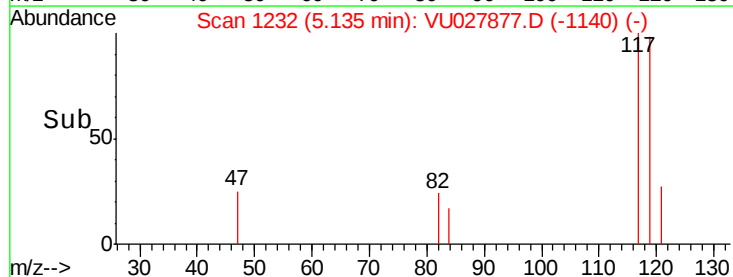
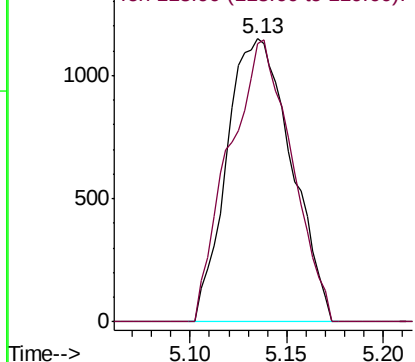


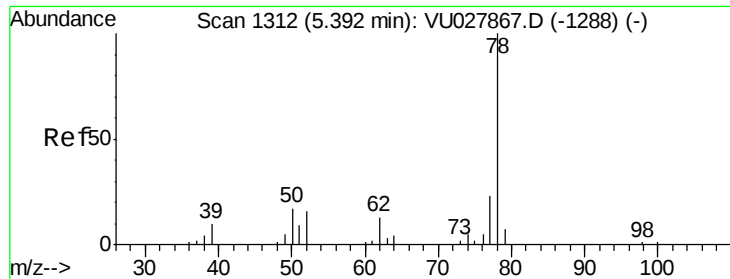
#31
Carbon tetrachloride
Concen: 0.309 ug/L
RT: 5.13 min Scan# 1232
Delta R.T. -0.00 min
Lab File: VU027877.D
Acq: 30 Oct 2018 16:20

Tgt Ion: 117 Resp: 2664
Ion Ratio Lower Upper
117 100
119 97.1 77.1 115.7



Abundance Ion 116.90 (116.60 to 117.60): V
Ion 118.90 (118.60 to 119.60): V

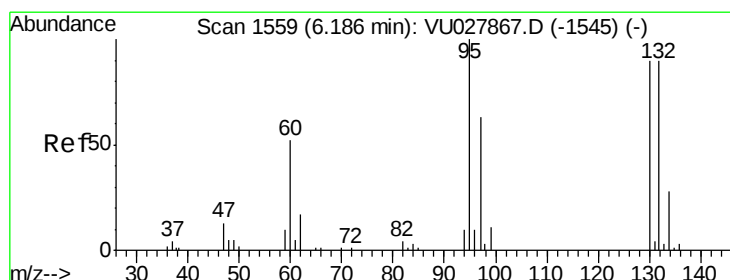
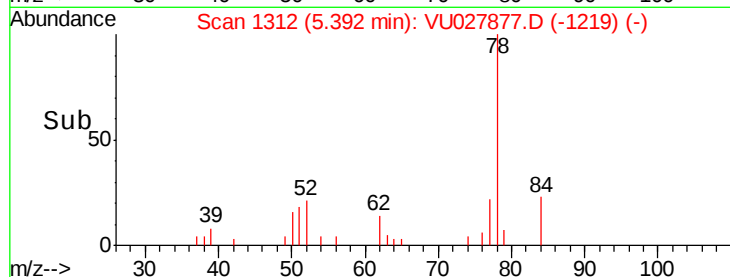
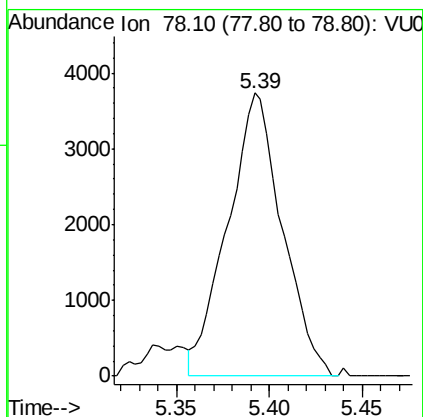
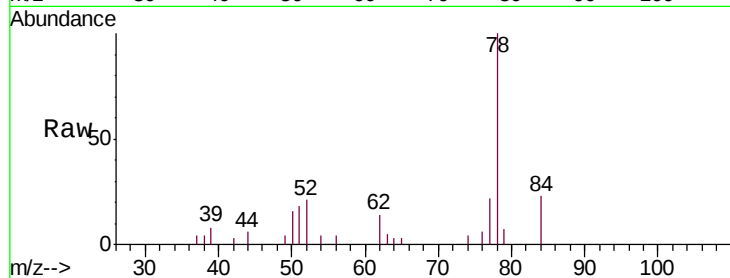




#33
Benzene
Concen: 0.310 ug/L
RT: 5.39 min Scan# 1312
Delta R.T. -0.00 min
Lab File: VU027877.D
Acq: 30 Oct 2018 16:20

Tgt Ion: 78 Resp: 7646

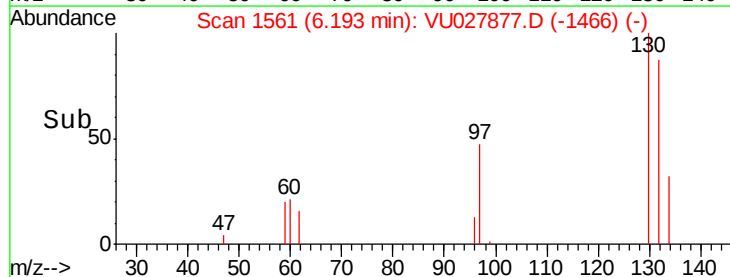
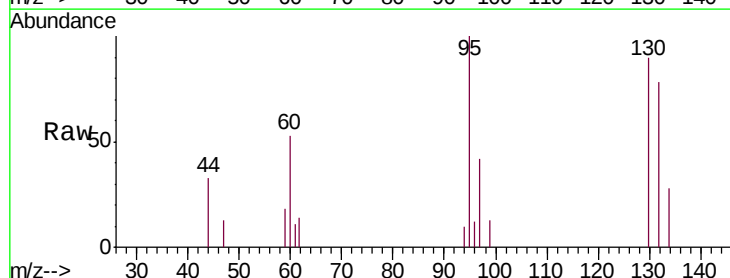
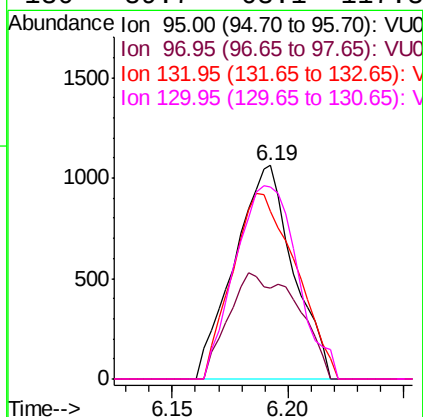
Instrument :
MSVOA_U
ClientSampled :
MDL06

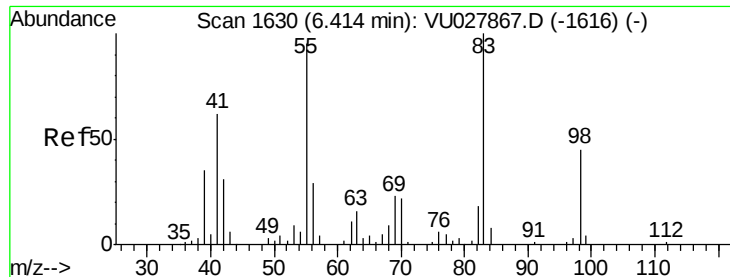


#34
Trichloroethene
Concen: 0.291 ug/L
RT: 6.19 min Scan# 1561
Delta R.T. 0.01 min
Lab File: VU027877.D
Acq: 30 Oct 2018 16:20

Tgt Ion: 95 Resp: 1872

Ion	Ratio	Lower	Upper
95	100		
97	42.3	44.0	81.6#
132	78.4	63.3	117.5
130	89.7	63.1	117.3

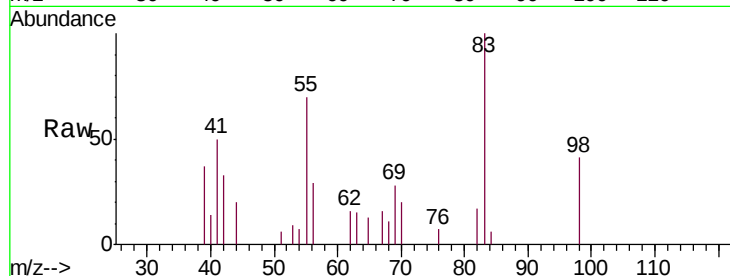




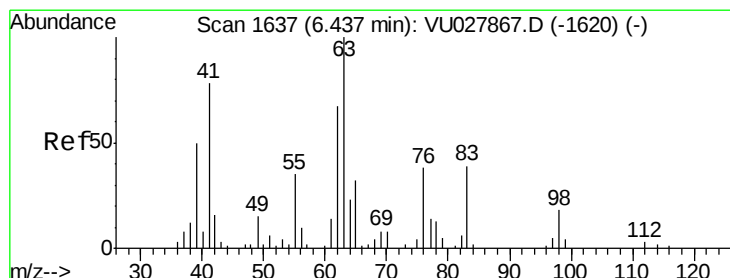
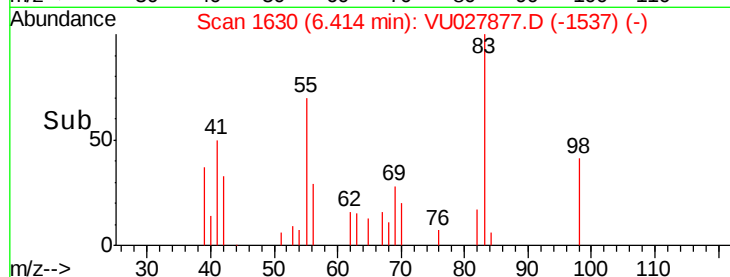
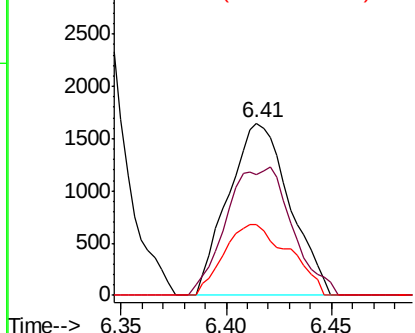
#35
Methylcyclohexane
Concen: 0.305 ug/L
RT: 6.41 min Scan# 1630
Delta R.T. -0.00 min
Lab File: VU027877.D
Acq: 30 Oct 2018 16:20

Instrument :
MSVOA_U
ClientSampleId :
MDL06

Tgt Ion: 83 Resp: 3333
Ion Ratio Lower Upper
83 100
55 79.8 73.4 110.0
98 43.5 35.3 52.9

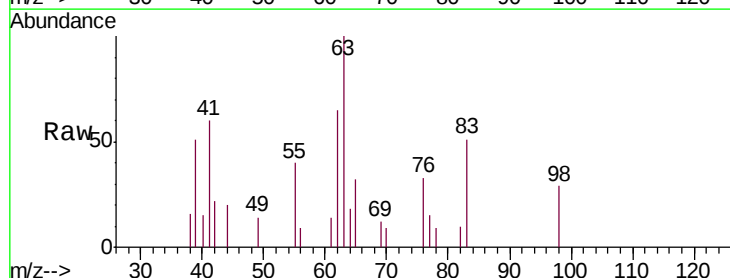


Abundance Ion 83.15 (82.85 to 83.85): VU0
Ion 55.10 (54.80 to 55.80): VU0
Ion 98.15 (97.85 to 98.85): VU0

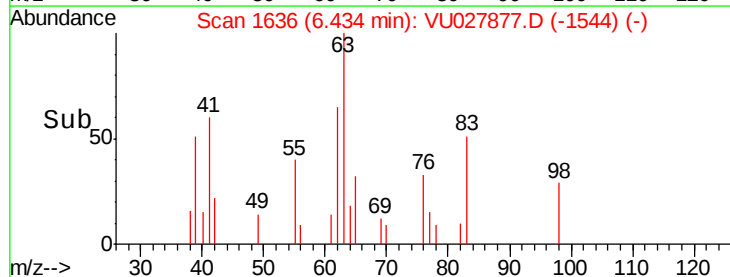
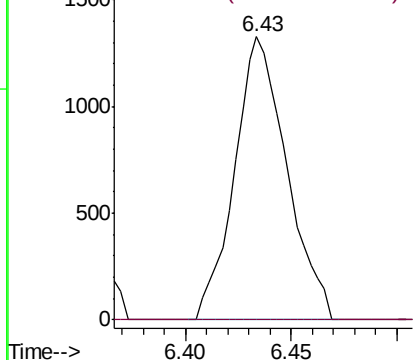


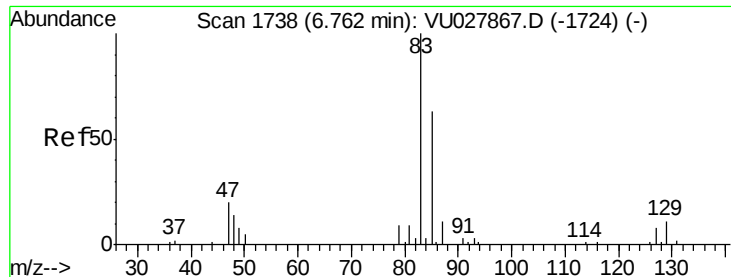
#37
1,2-Dichloropropane
Concen: 0.324 ug/L
RT: 6.43 min Scan# 1636
Delta R.T. -0.00 min
Lab File: VU027877.D
Acq: 30 Oct 2018 16:20

Tgt Ion: 63 Resp: 2278
Ion Ratio Lower Upper
63 100
112 0.0 2.6 3.8#



Abundance Ion 63.10 (62.80 to 63.80): VU0
Ion 112.10 (111.80 to 112.80): V





#38

Bromodichloromethane

Concen: 0.283 ug/L

RT: 6.76 min Scan# 1739

Delta R.T. 0.00 min

Lab File: VU027877.D

Acq: 30 Oct 2018 16:20

Instrument :

MSVOA_U

ClientSampled :

MDL06

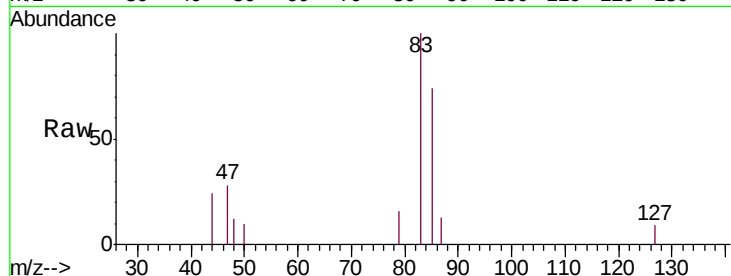
Tgt Ion: 83 Resp: 2328

Ion Ratio Lower Upper

83 100

85 74.0 43.8 81.4

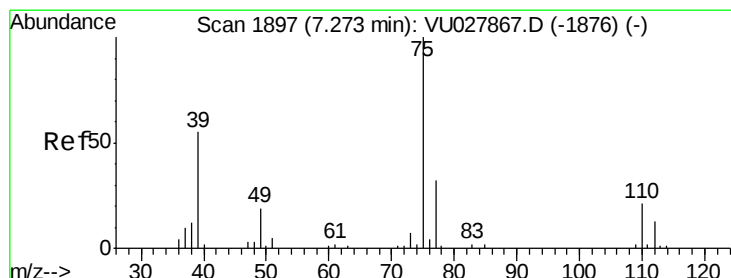
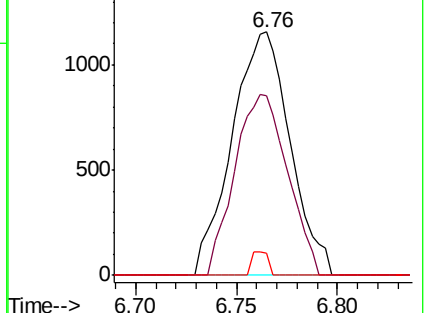
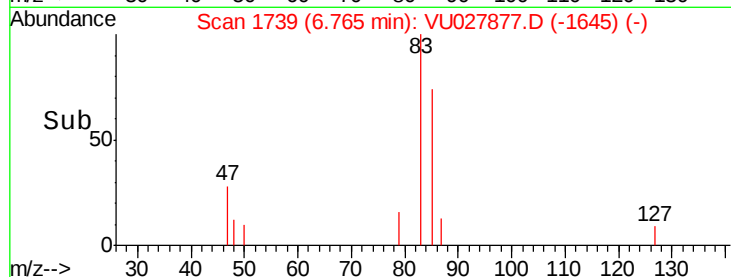
127 8.9 6.4 9.6



Abundance Ion 82.95 (82.65 to 83.65): VU0

Ion 85.00 (84.70 to 85.70): VU0

Ion 126.90 (126.60 to 127.60): VU0



#39

cis-1,3-Dichloropropene

Concen: 0.308 ug/L

RT: 7.27 min Scan# 1897

Delta R.T. -0.00 min

Lab File: VU027877.D

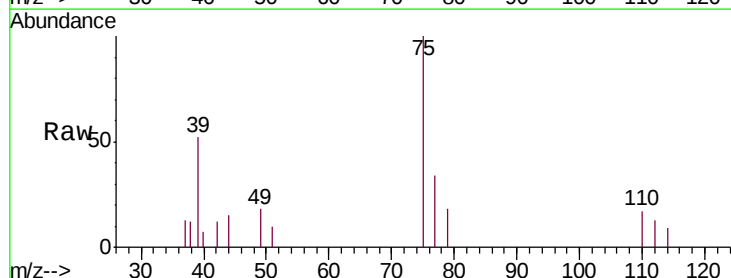
Acq: 30 Oct 2018 16:20

Tgt Ion: 75 Resp: 3108

Ion Ratio Lower Upper

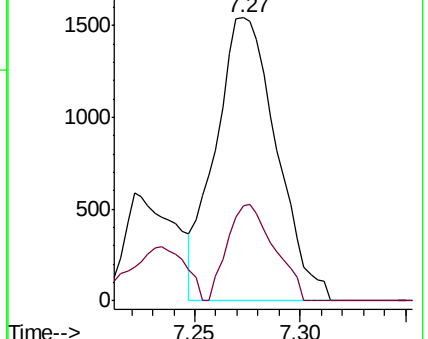
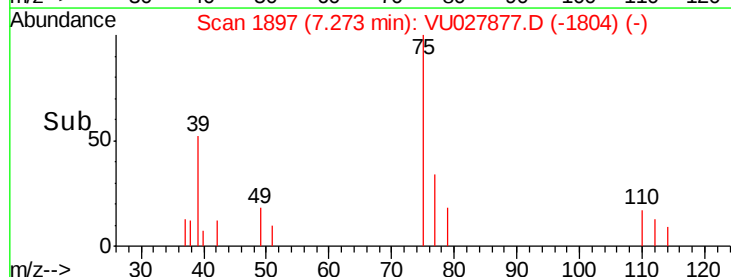
75 100

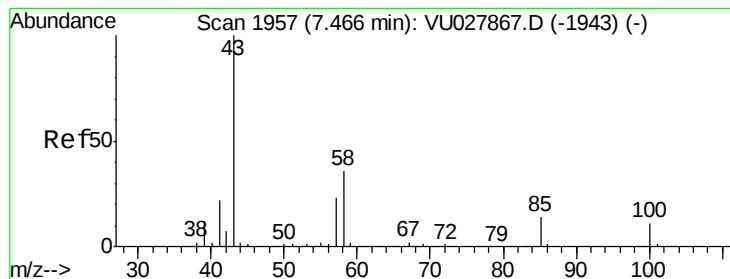
77 33.7 22.2 41.2



Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 77.05 (76.75 to 77.75): VU0





#40

4-Methyl-2-pentanone

Concen: 3.145 ug/L

RT: 7.47 min Scan# 1958

Delta R.T. 0.00 min

Lab File: VU027877.D

Acq: 30 Oct 2018 16:20

Instrument :

MSVOA_U

ClientSampleId :

MDL06

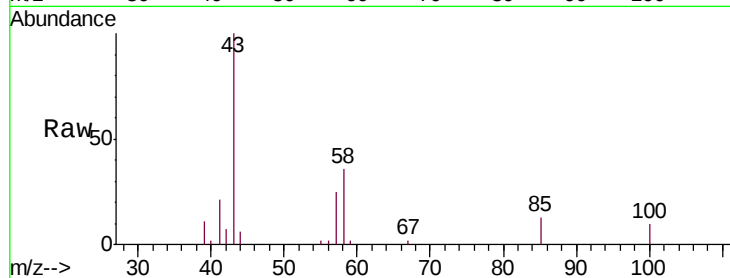
Tgt Ion: 43 Resp: 15628

Ion Ratio Lower Upper

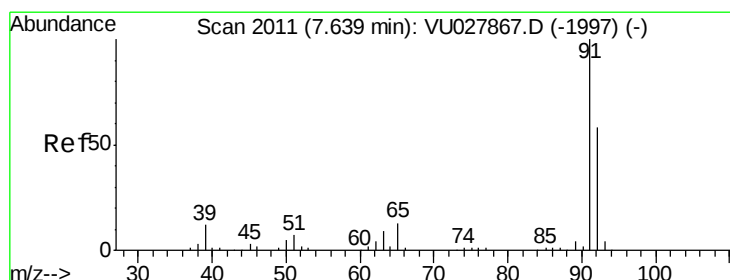
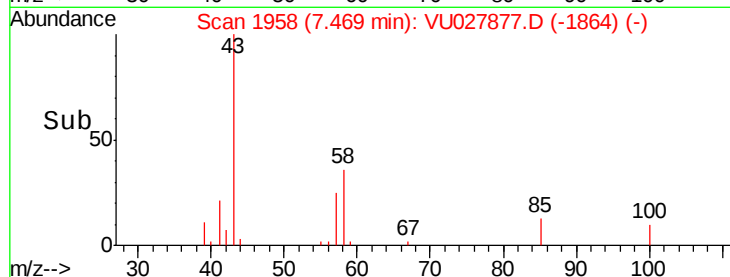
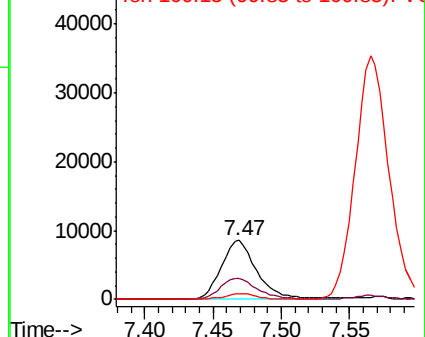
43 100

58 36.6 28.5 42.7

100 0.0 8.8 13.2#



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



#42

Toluene

Concen: 0.312 ug/L

RT: 7.64 min Scan# 2011

Delta R.T. -0.00 min

Lab File: VU027877.D

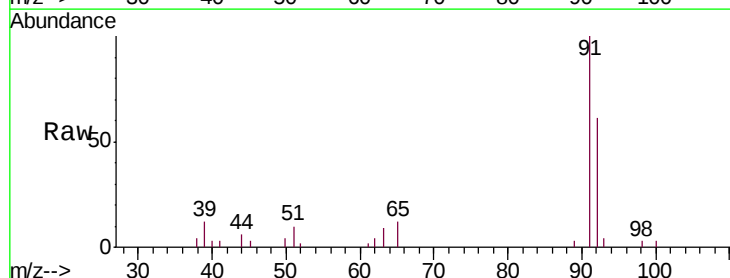
Acq: 30 Oct 2018 16:20

Tgt Ion: 91 Resp: 8054

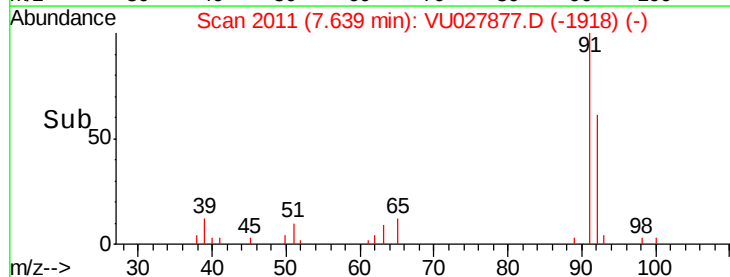
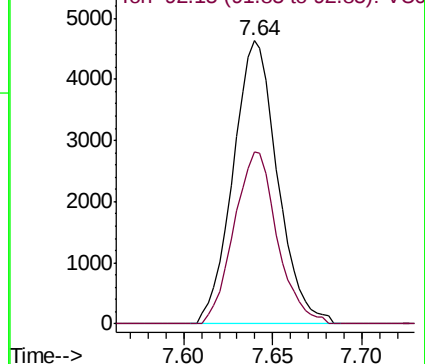
Ion Ratio Lower Upper

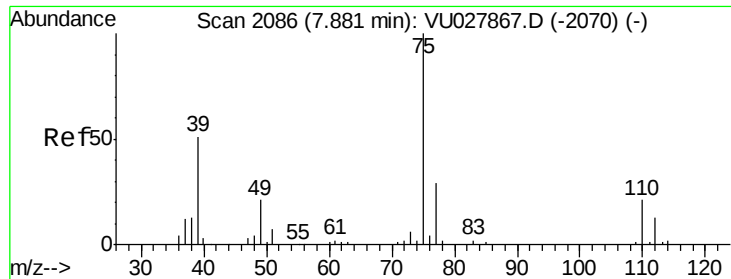
91 100

92 60.6 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: 0.304 ug/L

RT: 7.88 min Scan# 2087

Delta R.T. 0.00 min

Lab File: VU027877.D

Acq: 30 Oct 2018 16:20

Instrument :

MSVOA_U

ClientSampleId :

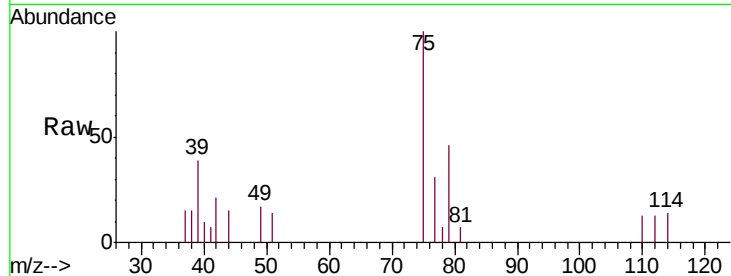
MDL06

Tgt Ion: 75 Resp: 2632

Ion Ratio Lower Upper

75 100

77 31.2 20.5 38.1



Abundance Ion 75.05 (74.75 to 75.75): VU027867.D (-2070) (-)

Ion 77.05 (76.75 to 77.75): VU027867.D (-2070) (-)

7.88

1500

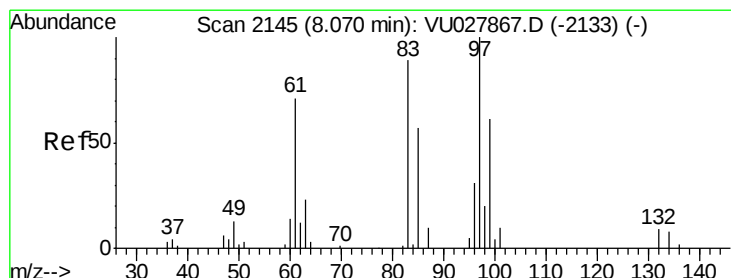
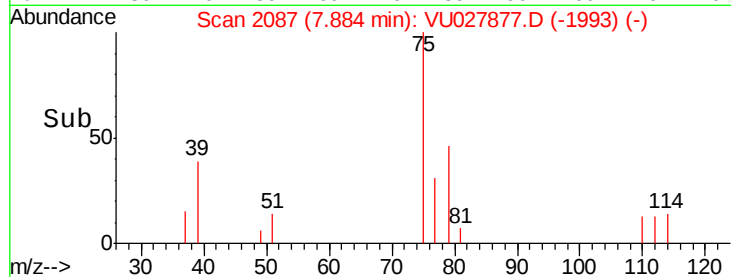
1000

500

0

7.85 7.90

Time-->



#45

1,1,2-Trichloroethane

Concen: 0.323 ug/L

RT: 8.07 min Scan# 2146

Delta R.T. 0.00 min

Lab File: VU027877.D

Acq: 30 Oct 2018 16:20

Tgt Ion: 97 Resp: 1399

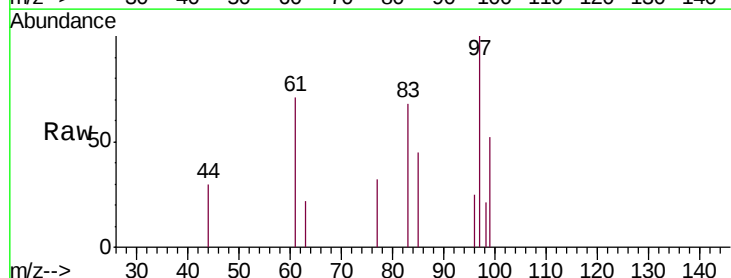
Ion Ratio Lower Upper

97 100

99 52.4 42.9 79.7

83 68.4 62.2 115.6

85 44.7 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) (-)

8.07

1200

1000

800

600

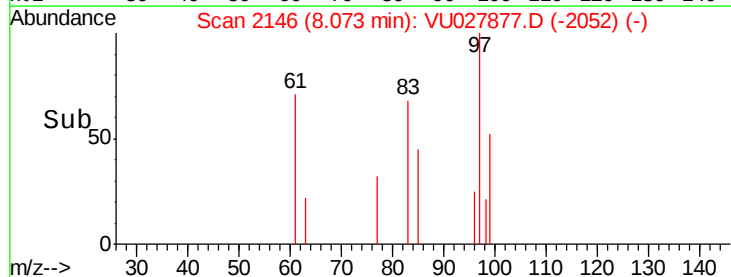
400

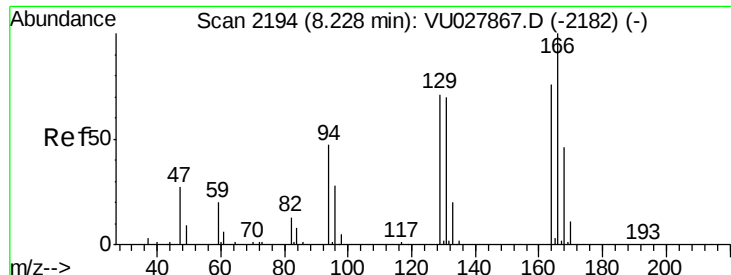
200

0

8.05 8.10

Time-->





#47

Tetrachloroethene

Concen: 0.341 ug/L

RT: 8.23 min Scan# 2194

Delta R.T. -0.00 min

Lab File: VU027877.D

Acq: 30 Oct 2018 16:20

Instrument :

MSVOA_U

ClientSampleId :

MDL06

Tgt Ion:164 Resp: 1684

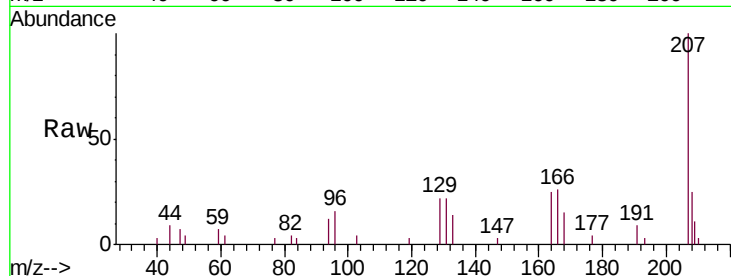
Ion Ratio Lower Upper

164 100

129 88.1 64.9 120.5

131 89.3 64.3 119.5

166 101.9 91.8 170.4

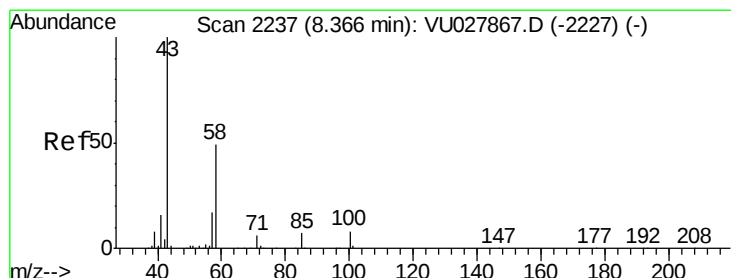
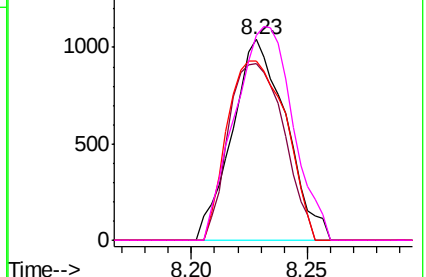
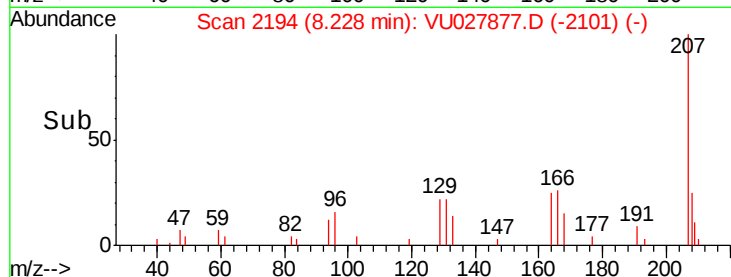


Abundance Ion 163.90 (163.60 to 164.60): V

Ion 128.95 (128.65 to 129.65): V

Ion 130.95 (130.65 to 131.65): V

Ion 165.90 (165.60 to 166.60): V



#48

2-Hexanone

Concen: 3.299 ug/L

RT: 8.37 min Scan# 2238

Delta R.T. 0.00 min

Lab File: VU027877.D

Acq: 30 Oct 2018 16:20

Tgt Ion: 43 Resp: 11817

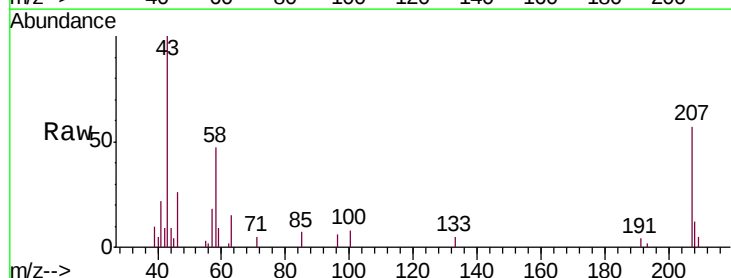
Ion Ratio Lower Upper

43 100

58 48.8 38.9 58.3

57 17.5 13.3 19.9

100 7.4 6.6 10.0

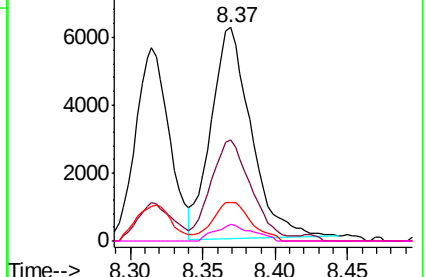
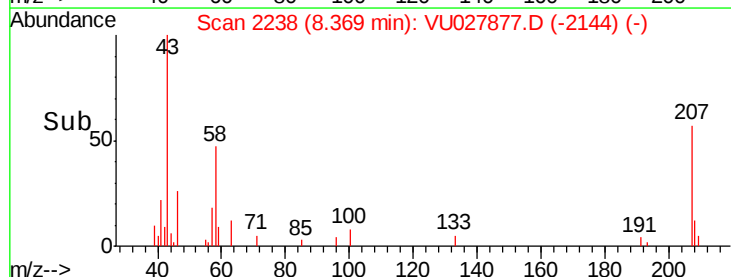


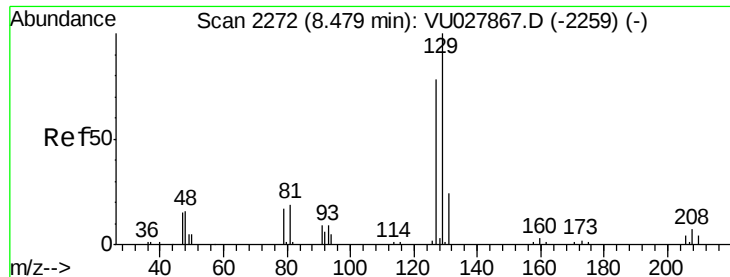
Abundance Ion 43.05 (42.75 to 43.75): VU0

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: 0.258 ug/L

RT: 8.48 min Scan# 2272

Delta R.T. -0.00 min

Lab File: VU027877.D

Acq: 30 Oct 2018 16:20

Instrument :

MSVOA_U

ClientSampleId :

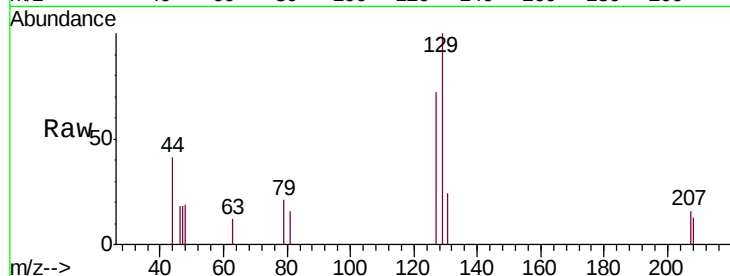
MDL06

Tgt Ion:129 Resp: 1350

Ion Ratio Lower Upper

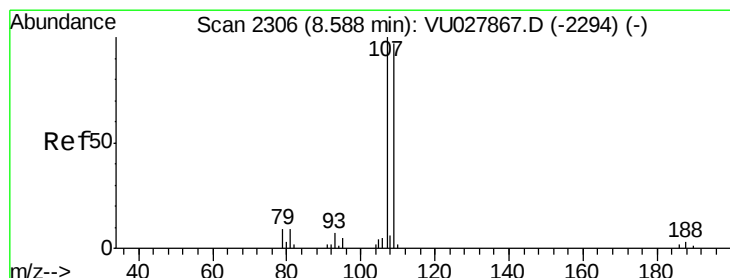
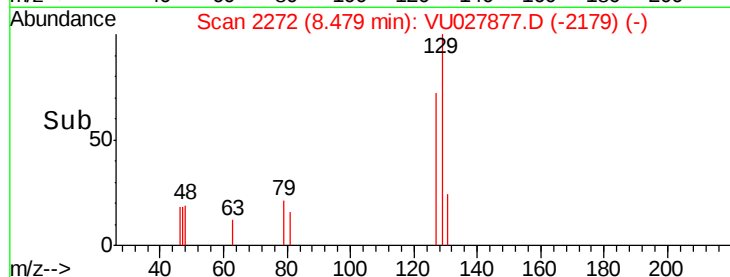
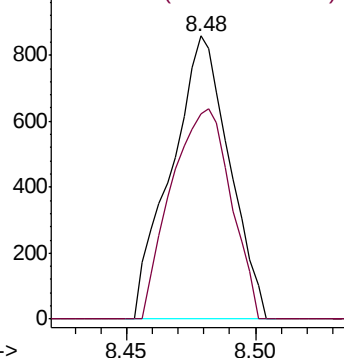
129 100

127 72.5 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: 0.315 ug/L

RT: 8.59 min Scan# 2306

Delta R.T. -0.00 min

Lab File: VU027877.D

Acq: 30 Oct 2018 16:20

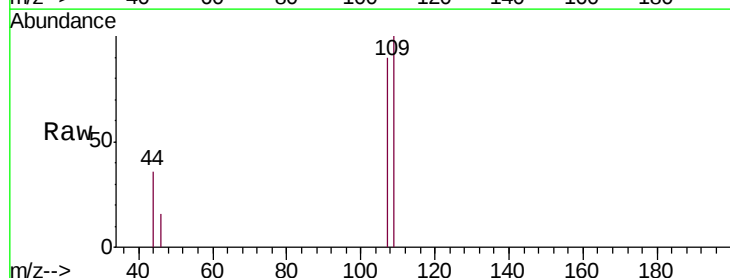
Tgt Ion:107 Resp: 1302

Ion Ratio Lower Upper

107 100

109 110.8 68.0 126.4

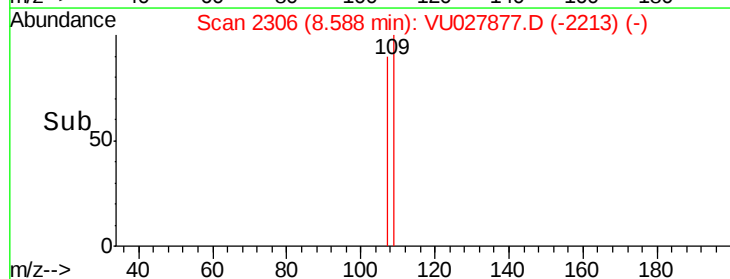
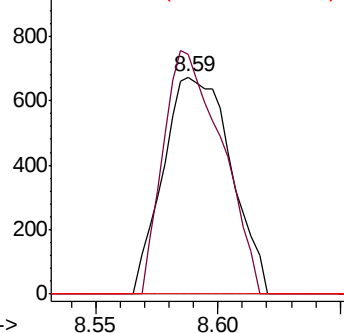
188 0.0 2.7 4.1#

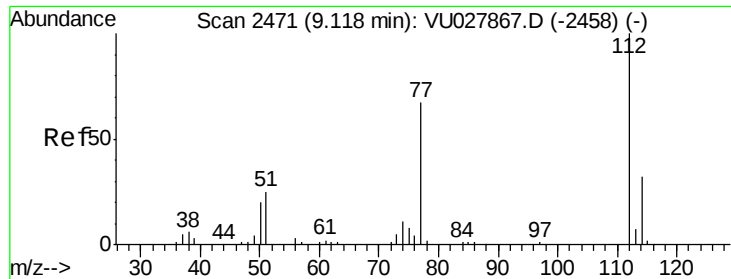


Abundance Ion 106.95 (106.65 to 107.65): V

Ion 109.00 (108.70 to 109.70): V

Ion 187.90 (187.60 to 188.60): V

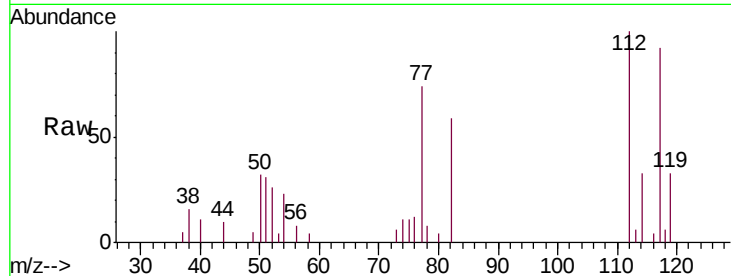




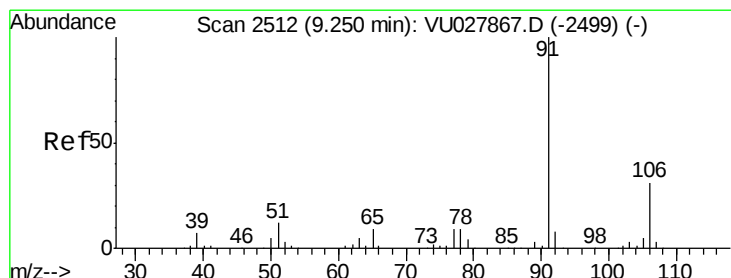
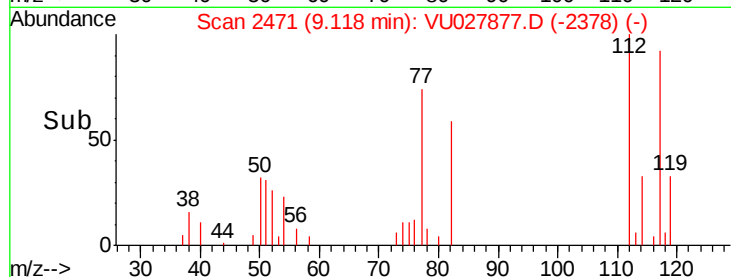
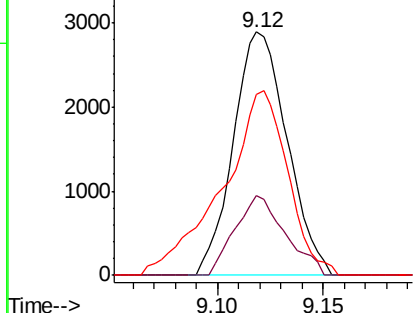
#51
Chlorobenzene
Concen: 0.320 ug/L
RT: 9.12 min Scan# 2471
Delta R.T. -0.00 min
Lab File: VU027877.D
Acq: 30 Oct 2018 16:20

Instrument :
MSVOA_U
ClientSampleId :
MDL06

Tgt Ion: 112 Resp: 5122
Ion Ratio Lower Upper
112 100
114 32.7 22.0 41.0
77 74.3 54.3 81.5

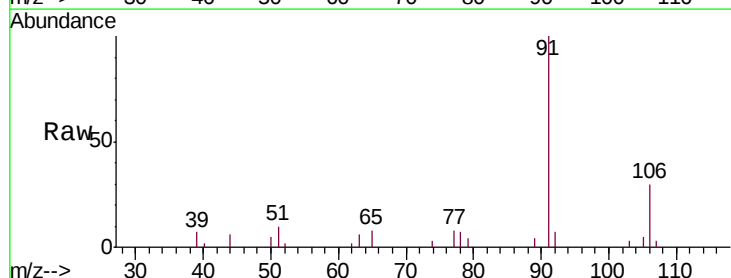


Abundance Ion 112.10 (111.80 to 112.80): V
Ion 114.05 (113.75 to 114.75): V
Ion 77.10 (76.80 to 77.80): V

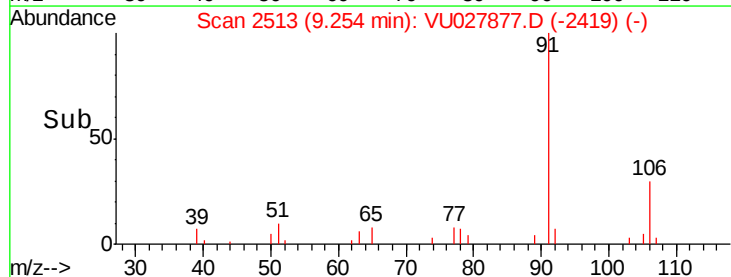
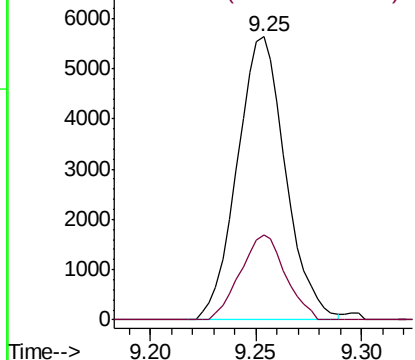


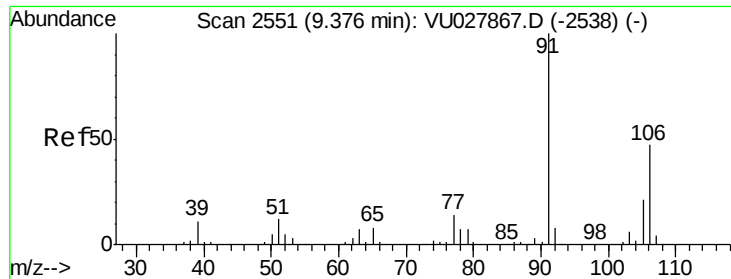
#52
Ethylbenzene
Concen: 0.304 ug/L
RT: 9.25 min Scan# 2513
Delta R.T. 0.00 min
Lab File: VU027877.D
Acq: 30 Oct 2018 16:20

Tgt Ion: 91 Resp: 8958
Ion Ratio Lower Upper
91 100
106 30.1 21.5 39.9



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





#53

m,p-xylene

Concen: 0.283 ug/L

RT: 9.38 min Scan# 2551

Delta R.T. -0.00 min

Lab File: VU027877.D

Acq: 30 Oct 2018 16:20

Instrument :

MSVOA_U

ClientSampleId :

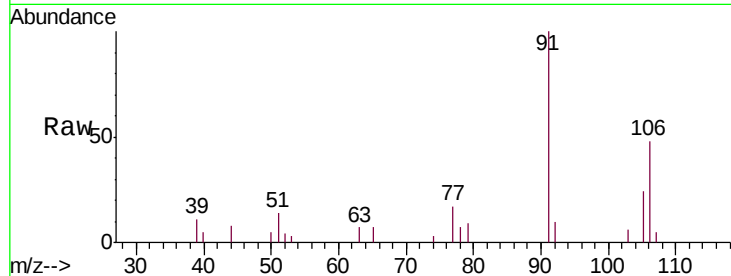
MDL06

Tgt Ion:106 Resp: 3027

Ion Ratio Lower Upper

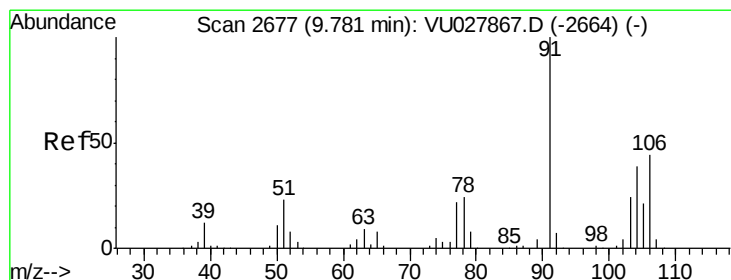
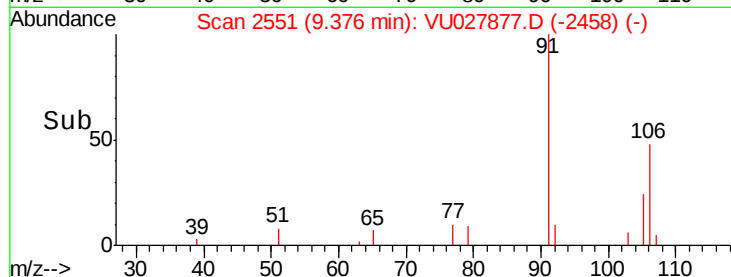
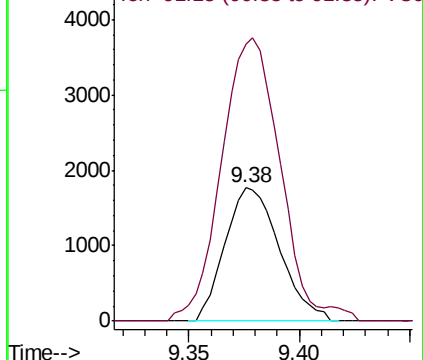
106 100

91 208.0 148.7 276.1



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VU0



#54

o-xylene

Concen: 0.292 ug/L

RT: 9.78 min Scan# 2677

Delta R.T. -0.00 min

Lab File: VU027877.D

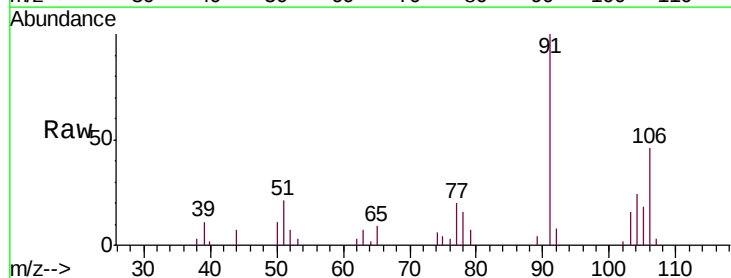
Acq: 30 Oct 2018 16:20

Tgt Ion:106 Resp: 3063

Ion Ratio Lower Upper

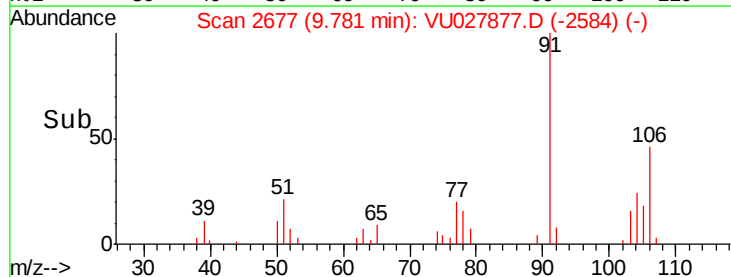
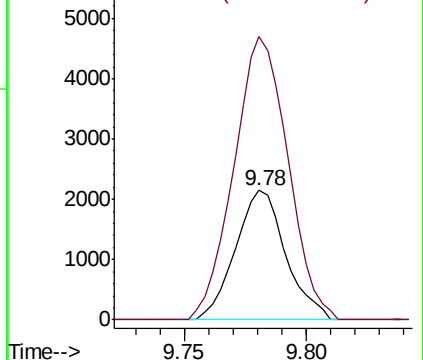
106 100

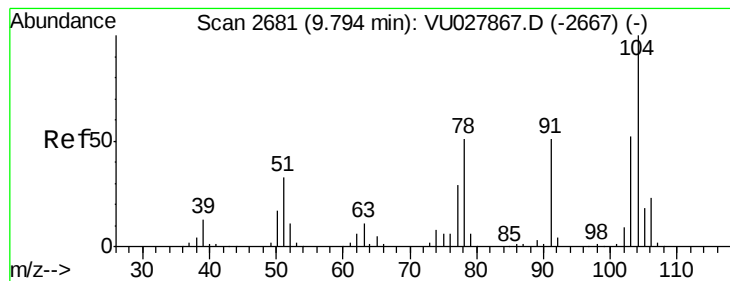
91 218.6 158.3 293.9



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VU0





#55

Styrene

Concen: 0.276 ug/L

RT: 9.80 min Scan# 2682

Delta R.T. 0.00 min

Lab File: VU027877.D

Acq: 30 Oct 2018 16:20

Instrument :

MSVOA_U

ClientSampleId :

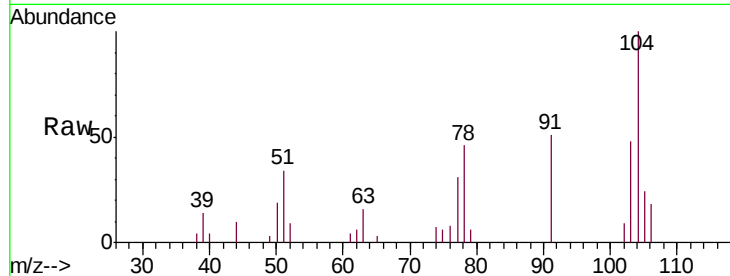
MDL06

Tgt Ion:104 Resp: 4856

Ion Ratio Lower Upper

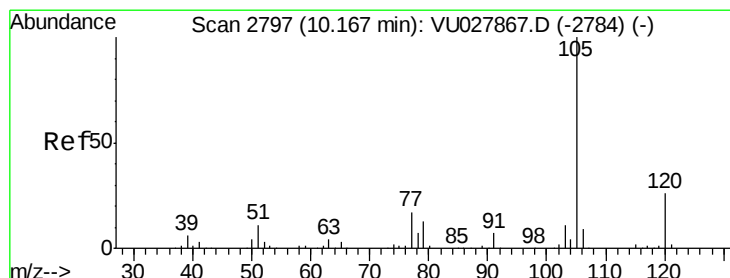
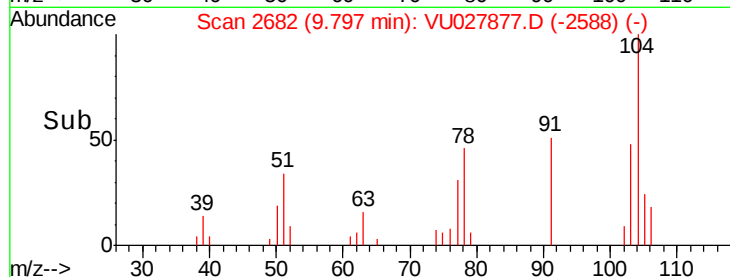
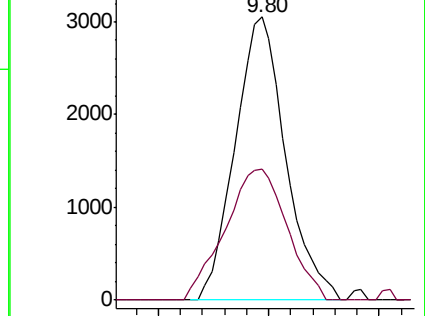
104 100

78 46.2 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: 0.297 ug/L

RT: 10.17 min Scan# 2797

Delta R.T. -0.00 min

Lab File: VU027877.D

Acq: 30 Oct 2018 16:20

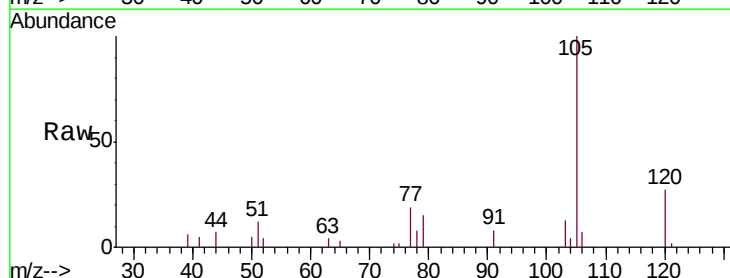
Tgt Ion:105 Resp: 8476

Ion Ratio Lower Upper

105 100

120 25.8 20.2 30.2

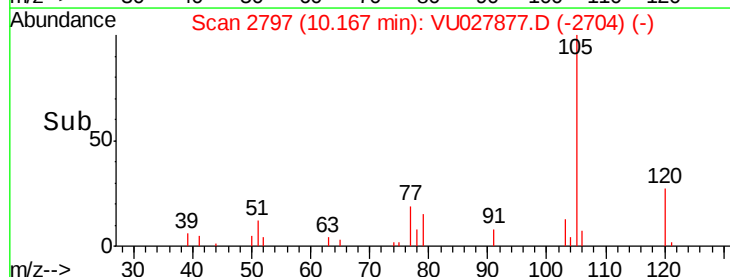
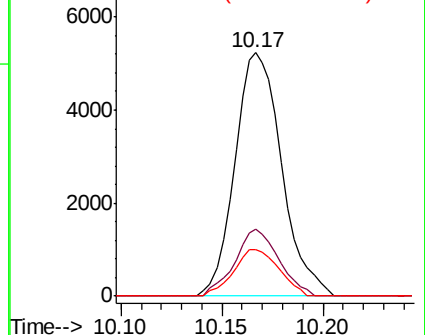
77 18.5 13.4 20.2

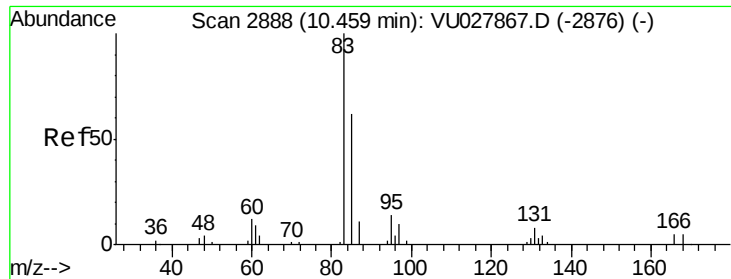


Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.10 (119.80 to 120.80): V

Ion 77.10 (76.80 to 77.80): VU0





#58

1,1,2,2-Tetrachloroethane

Concen: 0.335 ug/L

RT: 10.46 min Scan# 2888

Delta R.T. -0.00 min

Lab File: VU027877.D

Acq: 30 Oct 2018 16:20

Instrument :

MSVOA_U

ClientSampled :

MDL06

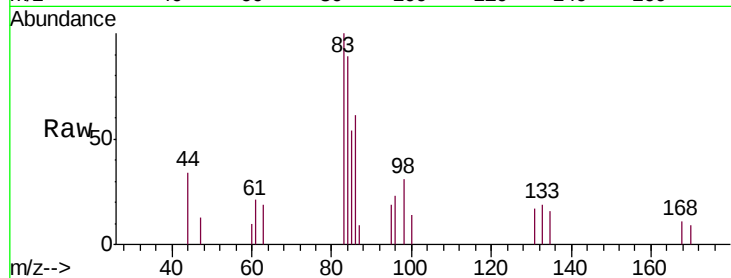
Tgt Ion: 83 Resp: 1892

Ion Ratio Lower Upper

83 100

85 54.4 44.4 82.4

131 16.9 6.8 10.2#

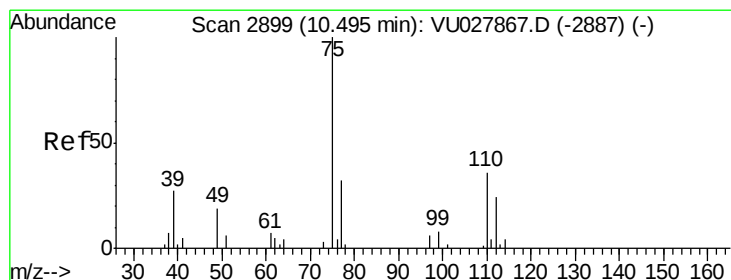
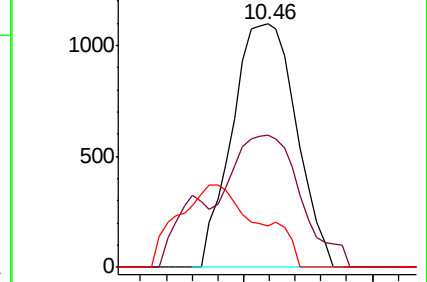
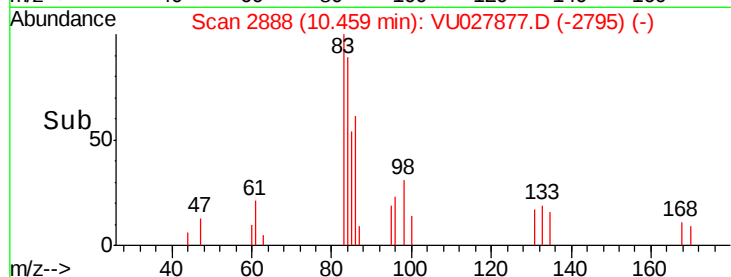


Abundance Ion 82.95 (82.65 to 83.65): VU027867.D (-2876) (-)

Ion 85.00 (84.70 to 85.70): VU027867.D (-2876) (-)

Ion 130.95 (130.65 to 131.65): VU027867.D (-2876) (-)

Time-->



#59

1,2,3-Trichloropropane

Concen: 1.471 ug/L

RT: 11.48 min Scan# 3206

Delta R.T. 0.99 min

Lab File: VU027877.D

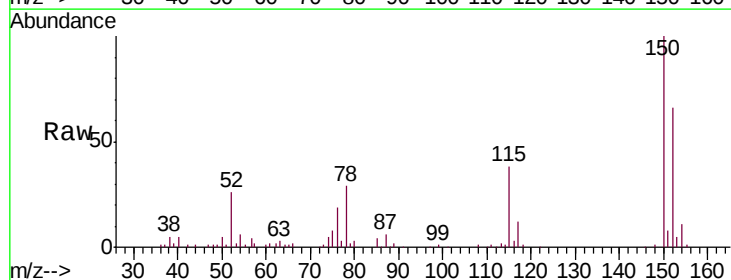
Acq: 30 Oct 2018 16:20

Tgt Ion: 75 Resp: 6272

Ion Ratio Lower Upper

75 100

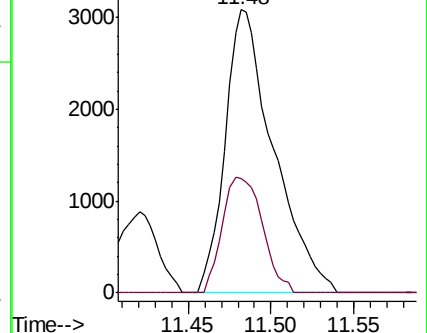
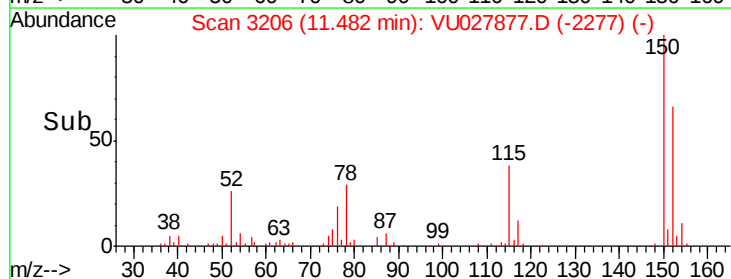
77 33.9 25.8 38.6

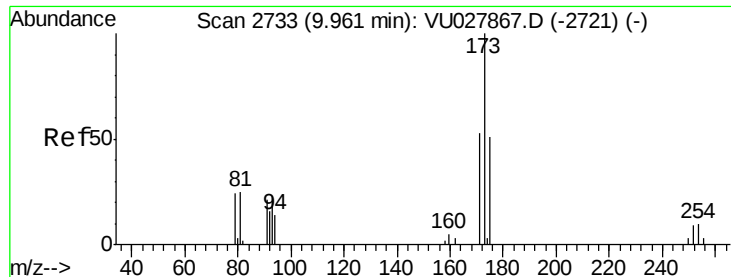


Abundance Ion 75.00 (74.70 to 75.70): VU027867.D (-2887) (-)

Ion 77.00 (76.70 to 77.70): VU027867.D (-2887) (-)

Time-->

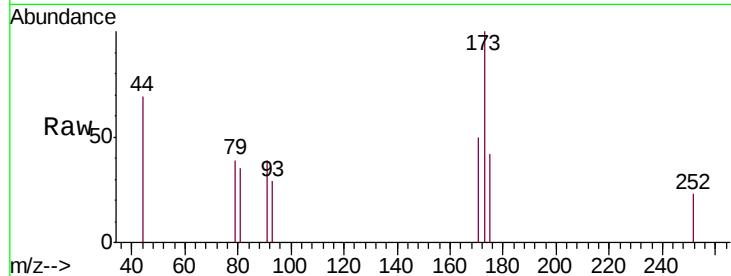




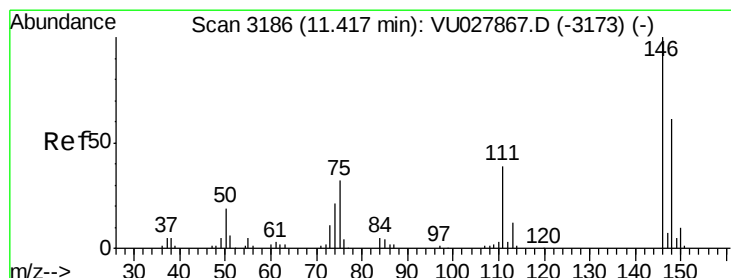
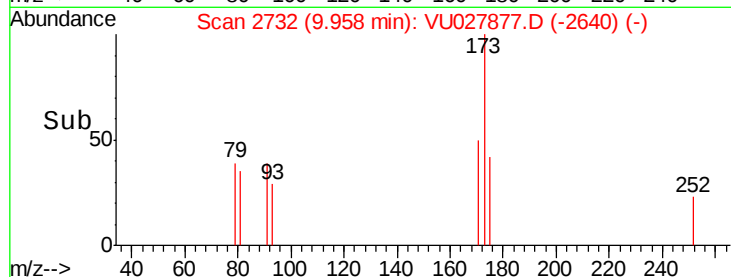
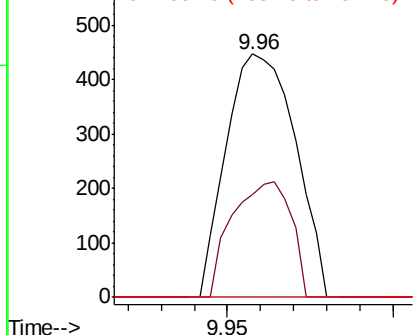
#61
Bromoform
Concen: 0.226 ug/L
RT: 9.96 min Scan# 2732
Delta R.T. -0.00 min
Lab File: VU027877.D
Acq: 30 Oct 2018 16:20

Instrument :
MSVOA_U
ClientSampleId :
MDL06

Tgt Ion:173 Resp: 648
Ion Ratio Lower Upper
173 100
175 40.4 38.3 57.5
254 0.0 7.8 11.6#

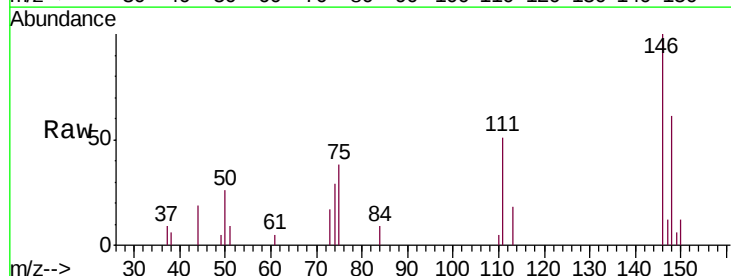


Abundance Ion 172.90 (172.60 to 173.60): V
Ion 174.90 (174.60 to 175.60): V
Ion 253.75 (253.45 to 254.45): V

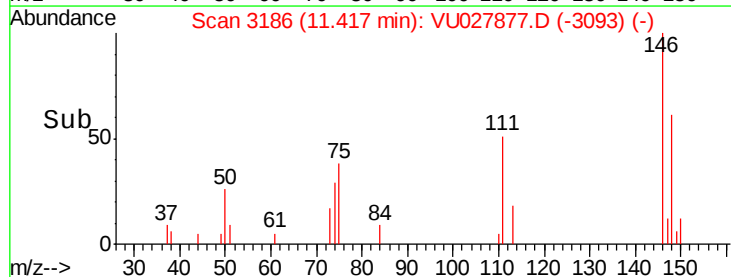
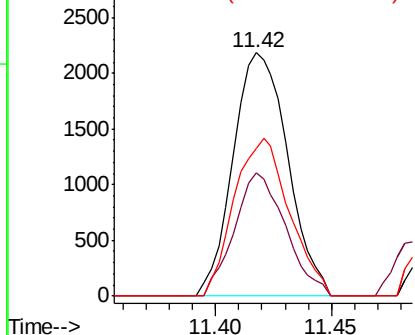


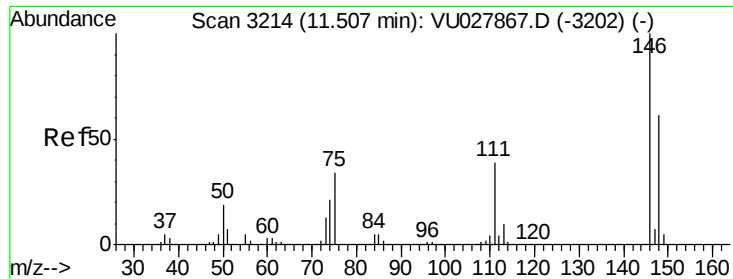
#62
1,3-Dichlorobenzene
Concen: 0.284 ug/L
RT: 11.42 min Scan# 3186
Delta R.T. -0.00 min
Lab File: VU027877.D
Acq: 30 Oct 2018 16:20

Tgt Ion:146 Resp: 3567
Ion Ratio Lower Upper
146 100
111 50.8 27.4 51.0
148 60.8 42.6 79.0



Abundance Ion 145.95 (145.65 to 146.65): V
Ion 111.00 (110.70 to 111.70): V
Ion 148.00 (147.70 to 148.70): V

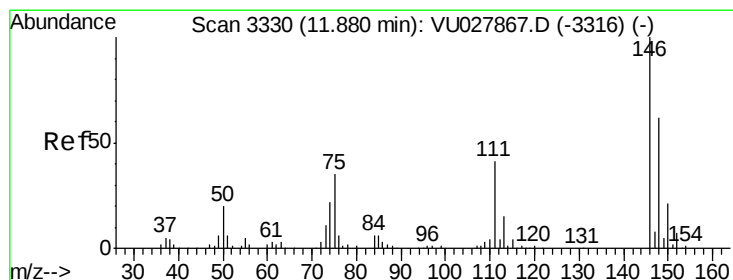
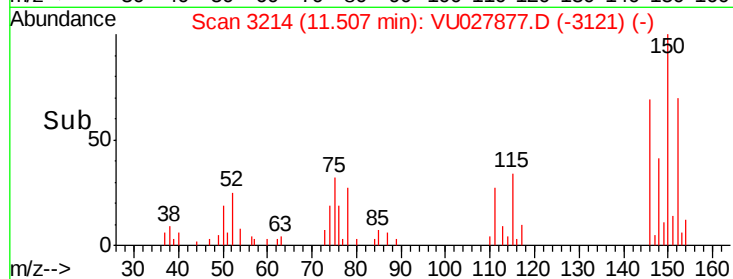
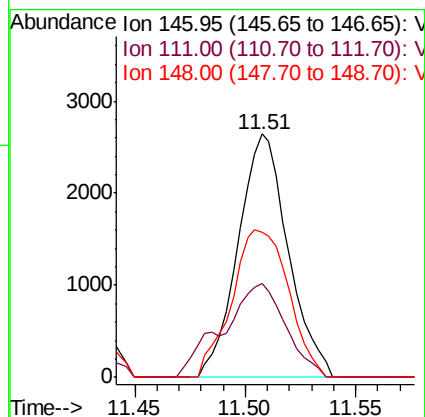
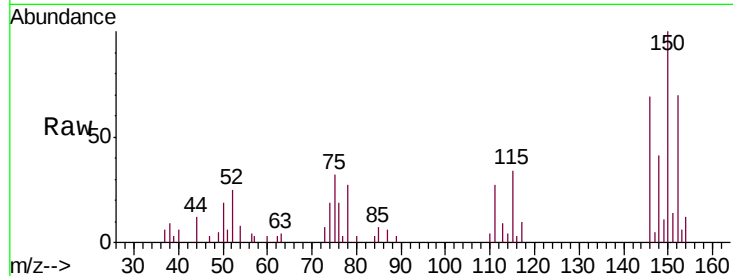




#63
 1,4-Dichlorobenzene
 Concen: 0.332 ug/L
 RT: 11.51 min Scan# 3214
 Delta R.T. -0.00 min
 Lab File: VU027877.D
 Acq: 30 Oct 2018 16:20

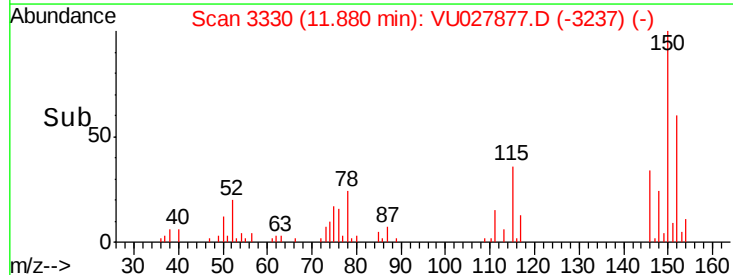
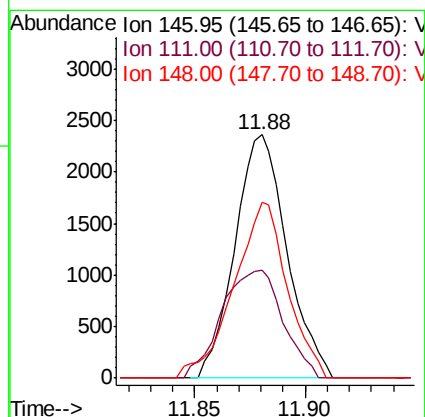
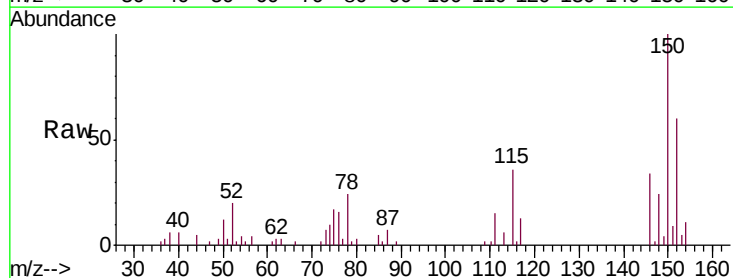
Instrument :
 MSVOA_U
 ClientSampleId :
 MDL06

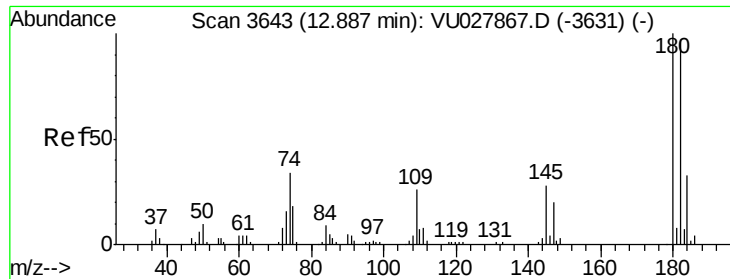
Tgt Ion:146 Resp: 4169
 Ion Ratio Lower Upper
 146 100
 111 38.4 27.4 51.0
 148 59.5 43.1 80.1



#65
 1,2-Dichlorobenzene
 Concen: 0.325 ug/L
 RT: 11.88 min Scan# 3330
 Delta R.T. -0.00 min
 Lab File: VU027877.D
 Acq: 30 Oct 2018 16:20

Tgt Ion:146 Resp: 3851
 Ion Ratio Lower Upper
 146 100
 111 44.4 33.0 49.4
 148 72.2 49.2 73.8

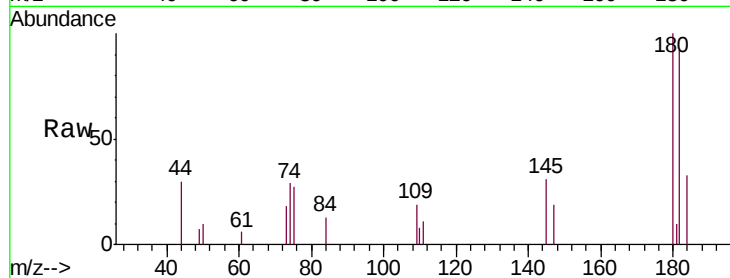




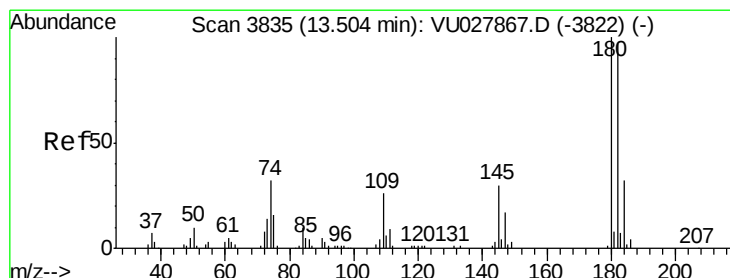
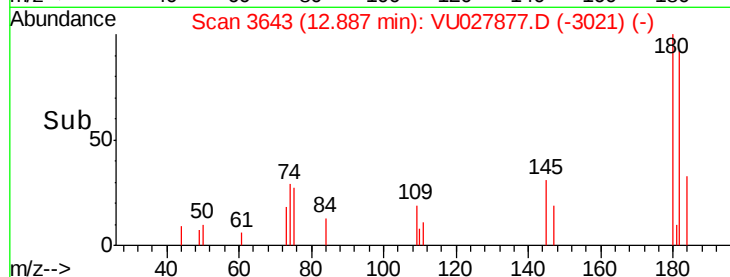
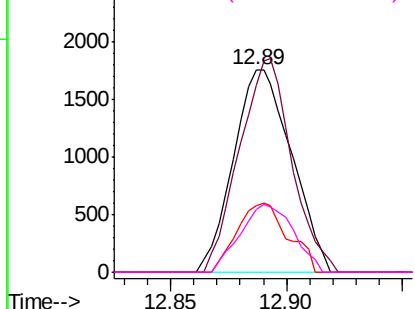
#67
 1,3,5-Trichlorobenzene
 Concen: 0.302 ug/L
 RT: 12.89 min Scan# 3643
 Delta R.T. -0.00 min
 Lab File: VU027877.D
 Acq: 30 Oct 2018 16:20

Instrument :
 MSVOA_U
 ClientSampleId :
 MDL06

Tgt Ion:180 Resp: 3057
 Ion Ratio Lower Upper
 180 100
 182 94.8 77.3 115.9
 184 29.9 24.6 37.0
 145 30.7 23.0 34.6

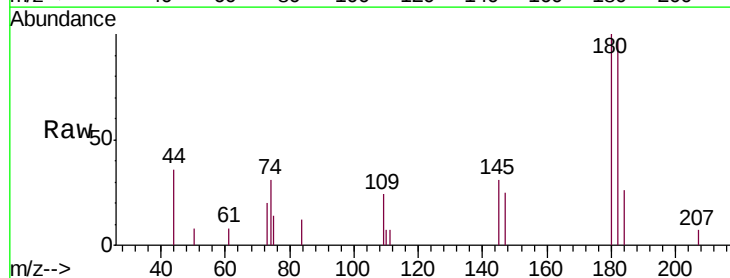


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

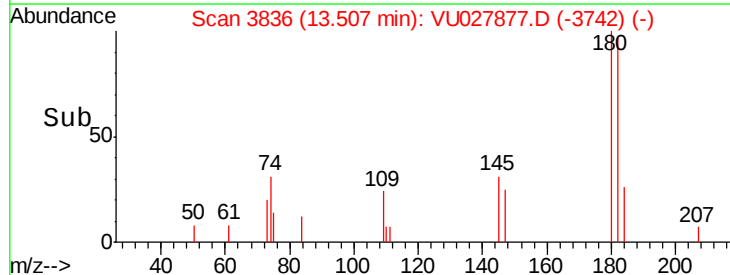
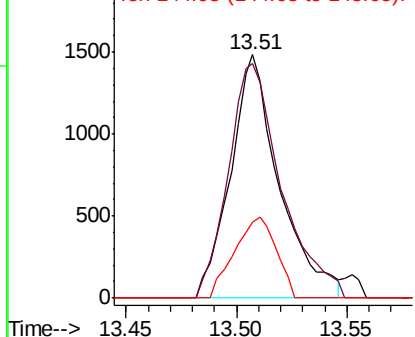


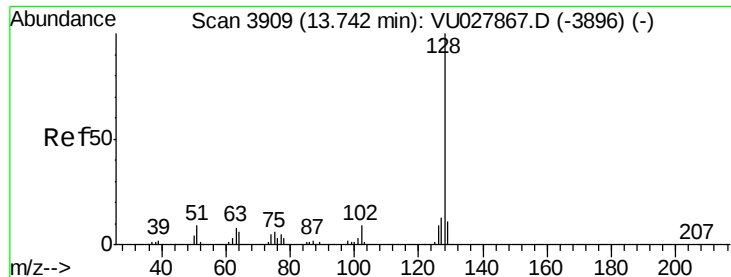
#68
 1,2,4-trichlorobenzene
 Concen: 0.264 ug/L
 RT: 13.51 min Scan# 3836
 Delta R.T. 0.00 min
 Lab File: VU027877.D
 Acq: 30 Oct 2018 16:20

Tgt Ion:180 Resp: 2270
 Ion Ratio Lower Upper
 180 100
 182 105.0 77.8 116.6
 145 28.5 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

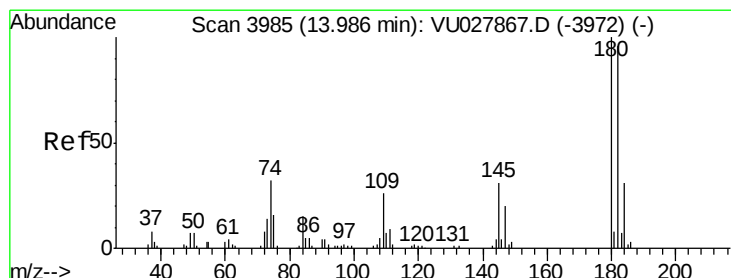
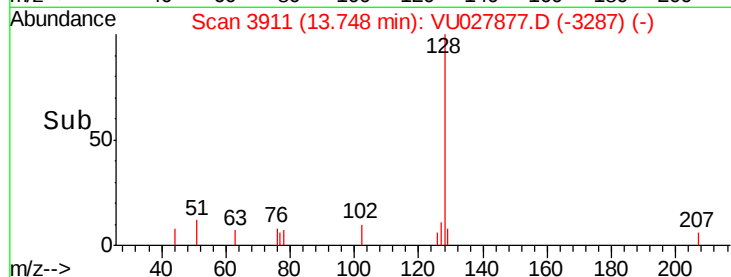
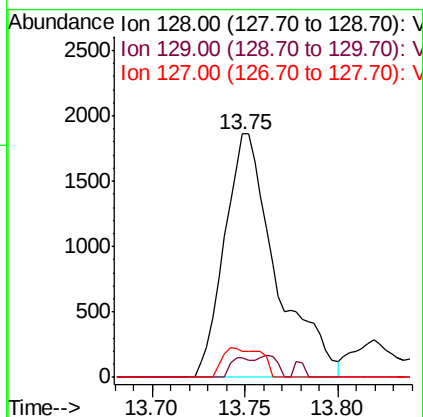
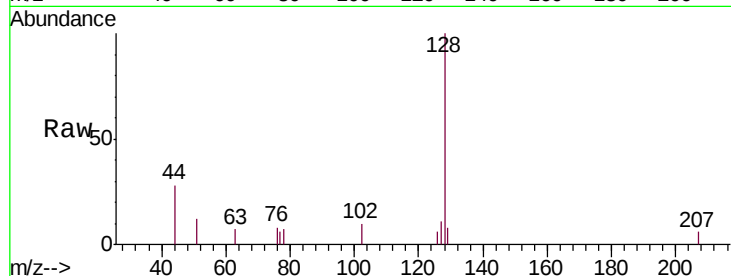




#69
Naphthalene
Concen: 0.268 ug/L
RT: 13.75 min Scan# 3911
Delta R.T. 0.01 min
Lab File: VU027877.D
Acq: 30 Oct 2018 16:20

Instrument :
MSVOA_U
ClientSampleId :
MDL06

Tgt Ion:128 Resp: 3588
Ion Ratio Lower Upper
128 100
129 3.5 8.6 12.8#
127 9.1 10.5 15.7#



#70
1,2,3-Trichlorobenzene
Concen: 0.263 ug/L
RT: 13.99 min Scan# 3985
Delta R.T. -0.00 min
Lab File: VU027877.D
Acq: 30 Oct 2018 16:20

Tgt Ion:180 Resp: 2063
Ion Ratio Lower Upper
180 100
182 113.5 79.4 119.0
145 38.3 25.4 38.0#

