

Data File : VU027873.D
Acq On : 30 Oct 2018 14:22
Operator : MD/SY
Sample : MDL02
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
MDL02

Quant Time: Oct 31 02:18:23 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	83998	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	79926	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.49	152	38885	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	31804	4.85	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	97.00%
7) Chloroethane-d5	1.68	69	25536	5.04	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	100.80%
11) 1,1-Dichloroethene-d2	2.28	63	46416	3.72	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	74.40%
20) 2-Butanone-d5	4.19	46	95314	48.68	ug/L	-0.01
Spiked Amount	50.000	Range	40 - 130	Recovery	=	97.36%
24) Chloroform-d	4.65	84	54849	4.64	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	92.80%
26) 1,2-Dichloroethane-d4	5.31	65	32275	4.75	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	95.00%
32) Benzene-d6	5.34	84	107053	4.89	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	97.80%
36) 1,2-Dichloropropane-d6	6.33	67	38006	4.91	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	98.20%
41) Toluene-d8	7.57	98	99510	4.78	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	95.60%
43) trans-1,3-Dichloropropene-	7.86	79	14168	4.72	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	94.40%
46) 2-Hexanone-d5	8.31	63	79407	48.41	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	96.82%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	26206	4.78	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	95.60%
64) 1,2-Dichlorobenzene-d4	11.86	152	36151	4.86	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	97.20%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.21	85	2265	0.274 ug/L	89
3) Chloromethane	1.33	50	2442	0.298 ug/L	97
5) Vinyl chloride	1.41	62	2341	0.287 ug/L #	16
6) Bromomethane	1.63	94	852	0.318 ug/L	96
9) Trichlorofluoromethane	1.89	101	2824	0.261 ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.30	101	1618	0.293 ug/L	97
12) 1,1-Dichloroethene	2.29	96	1715	0.329 ug/L #	1
13) Acetone	2.33	43	3988	3.231 ug/L	92
14) Carbon disulfide	2.48	76	5736	0.308 ug/L #	94
15) Methyl Acetate	2.61	43	1112	0.337 ug/L #	63
16) Methylene chloride	2.71	84	2043	0.349 ug/L	94
17) Methyl tert-butyl Ether	3.01	73	4440	0.285 ug/L #	90
18) trans-1,2-Dichloroethene	2.98	96	1737	0.313 ug/L	97
19) 1,1-Dichloroethane	3.44	63	1633	0.139 ug/L	98
21) 2-Butanone	4.29	43	6308	2.940 ug/L	77
22) cis-1,2-Dichloroethene	4.23	96	1793	0.280 ug/L	94
23) Bromochloromethane	4.55	128	607	0.229 ug/L	87

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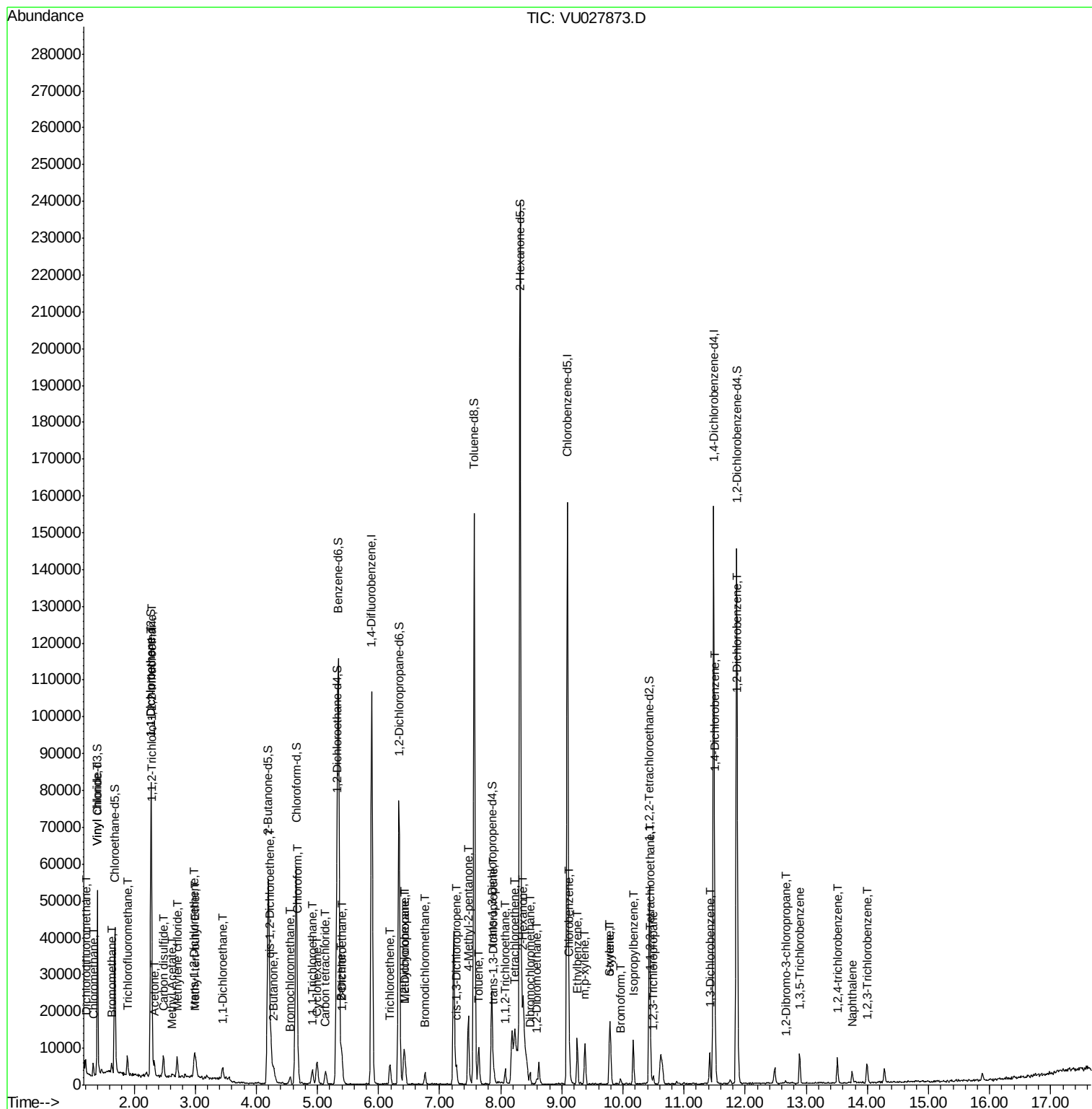
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
25) Chloroform	4.68	83	4188	0.353	ug/L	90
27) 1,2-Dichloroethane	5.41	62	2737	0.330	ug/L #	78
29) 1,1,1-Trichloroethane	4.92	97	3080	0.299	ug/L	96
30) Cyclohexane	4.99	56	3296	0.272	ug/L #	93
31) Carbon tetrachloride	5.13	117	2289	0.259	ug/L	86
33) Benzene	5.39	78	8510	0.336	ug/L	100
34) Trichloroethene	6.19	95	2010	0.305	ug/L	94
35) Methylcyclohexane	6.42	83	3338	0.298	ug/L	86
37) 1,2-Dichloropropane	6.43	63	1140	0.158	ug/L #	90
38) Bromodichloromethane	6.76	83	2176	0.258	ug/L #	85
39) cis-1,3-Dichloropropene	7.28	75	3078	0.298	ug/L	93
40) 4-Methyl-2-pentanone	7.47	43	14602	2.866	ug/L #	90
42) Toluene	7.64	91	7351	0.278	ug/L	92
44) trans-1,3-Dichloropropene	7.88	75	2299	0.259	ug/L	93
45) 1,1,2-Trichloroethane	8.07	97	1140	0.257	ug/L	92
47) Tetrachloroethene	8.23	164	1386	0.274	ug/L	90
48) 2-Hexanone	8.37	43	11149	3.036	ug/L	98
49) Dibromochloromethane	8.48	129	1539	0.287	ug/L	88
50) 1,2-Dibromoethane	8.59	107	1065	0.251	ug/L #	97
51) Chlorobenzene	9.13	112	4984	0.303	ug/L	96
52) Ethylbenzene	9.25	91	8614	0.285	ug/L	97
53) m,p-xylene	9.38	106	3082	0.282	ug/L	91
54) o-xylene	9.78	106	2710	0.252	ug/L	84
55) Styrene	9.79	104	4912	0.273	ug/L	86
56) Isopropylbenzene	10.17	105	8393	0.286	ug/L	96
58) 1,1,2,2-Tetrachloroethane	10.46	83	1637	0.283	ug/L #	95
59) 1,2,3-Trichloropropane	10.49	75	1120	0.256	ug/L	98
61) Bromoform	9.96	173	696	0.243	ug/L #	88
62) 1,3-Dichlorobenzene	11.42	146	3520	0.281	ug/L	91
63) 1,4-Dichlorobenzene	11.51	146	3847	0.308	ug/L	96
65) 1,2-Dichlorobenzene	11.88	146	3873	0.328	ug/L	94
66) 1,2-Dibromo-3-chloropropan	12.66	75	214	0.231	ug/L #	43
67) 1,3,5-Trichlorobenzene	12.89	180	2696	0.268	ug/L	90
68) 1,2,4-trichlorobenzene	13.51	180	2479	0.290	ug/L	93
69) Naphthalene	13.75	128	2977	0.224	ug/L	98
70) 1,2,3-Trichlorobenzene	14.00	180	2496	0.320	ug/L #	86

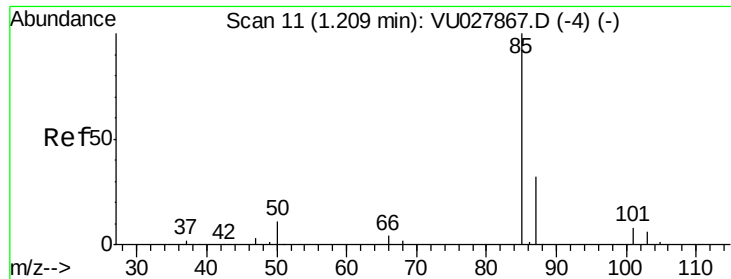
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 0.274 ug/L

RT: 1.21 min Scan# 11

Delta R.T. 0.00 min

Lab File: VU027873.D

Acq: 30 Oct 2018 14:22

Instrument :

MSVOA_U

ClientSampled :

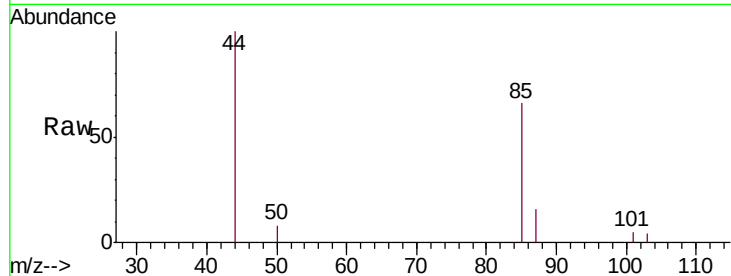
MDL02

Tgt Ion: 85 Resp: 2265

Ion Ratio Lower Upper

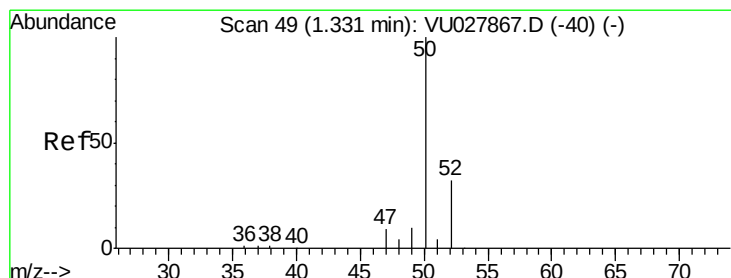
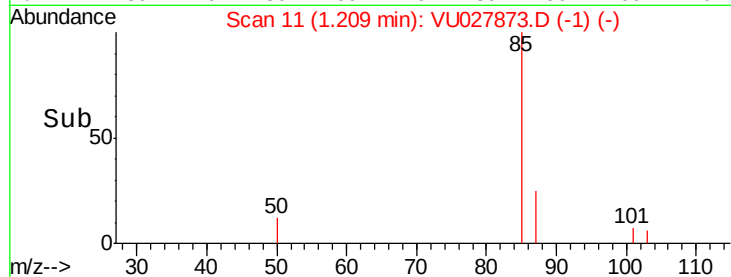
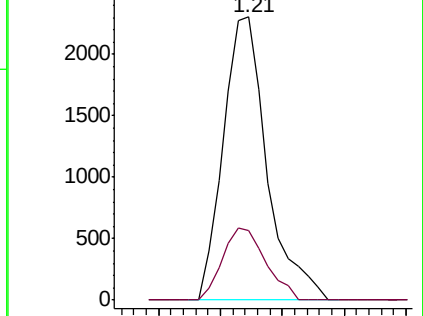
85 100

87 25.3 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: 0.298 ug/L

RT: 1.33 min Scan# 49

Delta R.T. 0.00 min

Lab File: VU027873.D

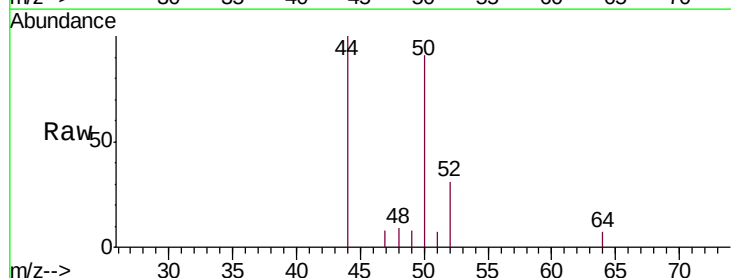
Acq: 30 Oct 2018 14:22

Tgt Ion: 50 Resp: 2442

Ion Ratio Lower Upper

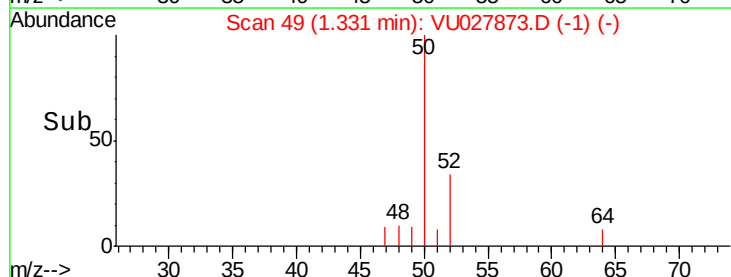
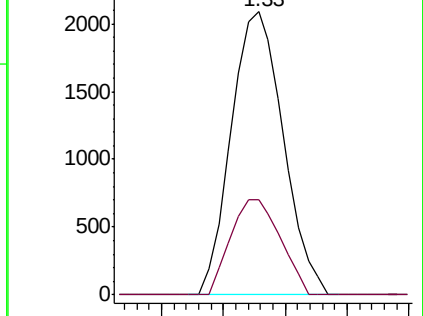
50 100

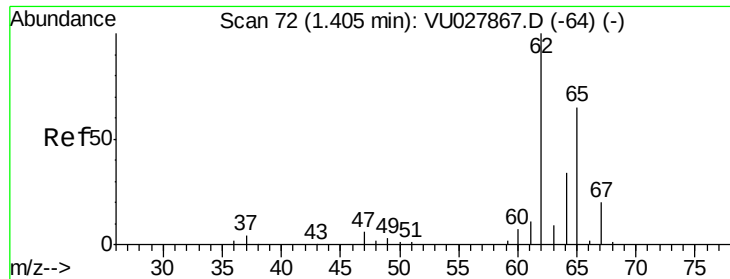
52 33.6 22.3 41.5



Abundance Ion 50.05 (49.75 to 50.75): VU0

Ion 52.05 (51.75 to 52.75): VU0





#5

Vinyl chloride

Concen: 0.287 ug/L

RT: 1.41 min Scan# 72

Delta R.T. 0.00 min

Lab File: VU027873.D

Acq: 30 Oct 2018 14:22

Instrument :

MSVOA_U

ClientSampleId :

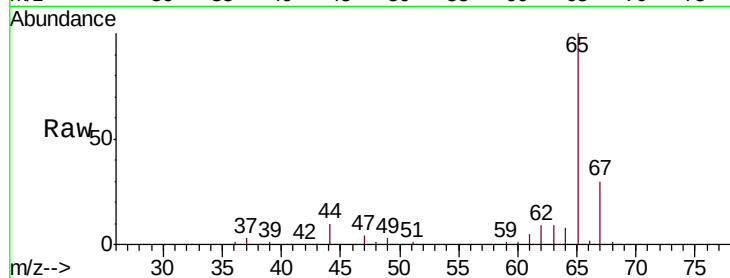
MDL02

Tgt Ion: 62 Resp: 2341

Ion Ratio Lower Upper

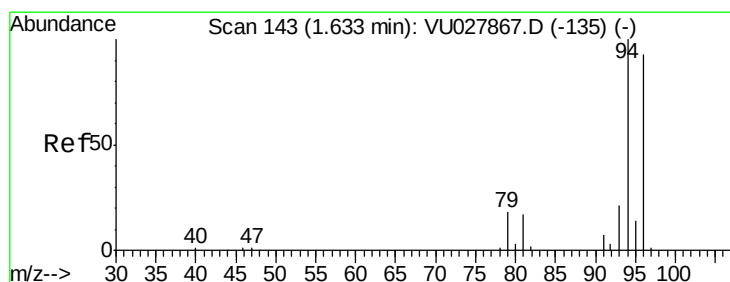
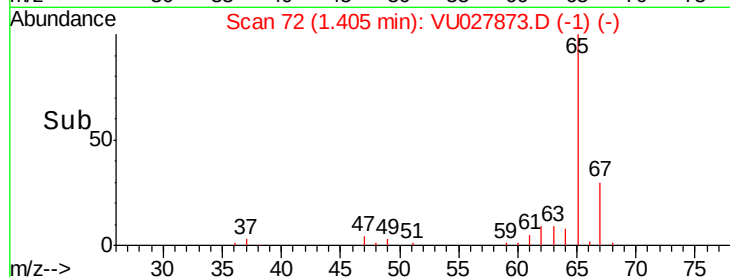
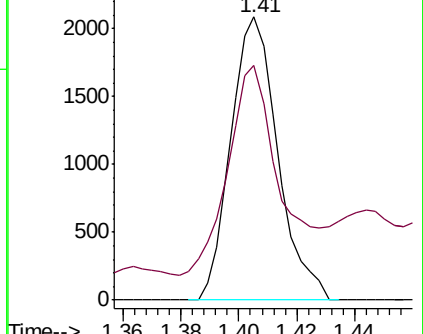
62 100

64 82.8 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: 0.318 ug/L

RT: 1.63 min Scan# 143

Delta R.T. 0.00 min

Lab File: VU027873.D

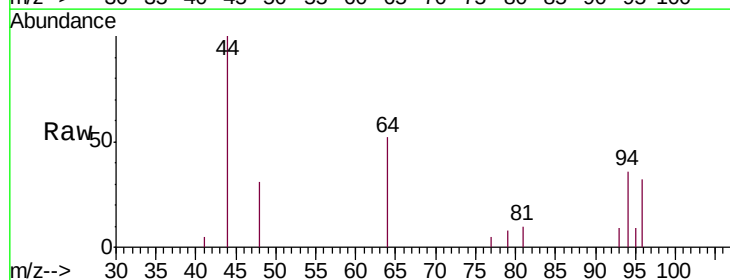
Acq: 30 Oct 2018 14:22

Tgt Ion: 94 Resp: 852

Ion Ratio Lower Upper

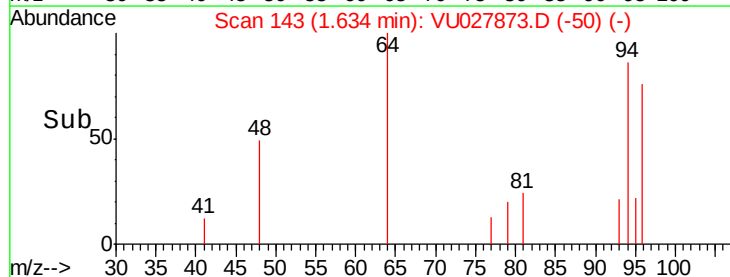
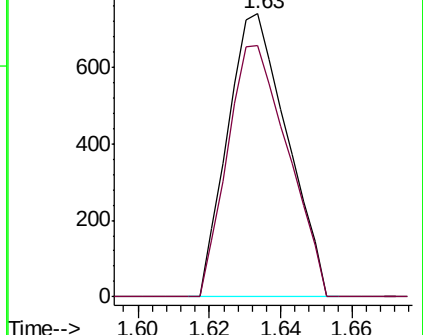
94 100

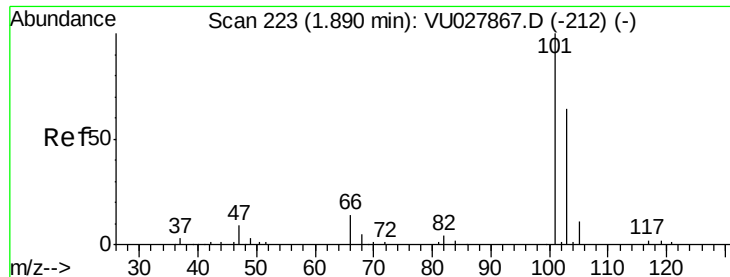
96 88.8 65.0 120.6



Abundance Ion 94.00 (93.70 to 94.70): VU0

Ion 96.00 (95.70 to 96.70): VU0





#9

Trichlorofluoromethane

Concen: 0.261 ug/L

RT: 1.89 min Scan# 223

Delta R.T. 0.00 min

Lab File: VU027873.D

Acq: 30 Oct 2018 14:22

Instrument :

MSVOA_U

ClientSampleId :

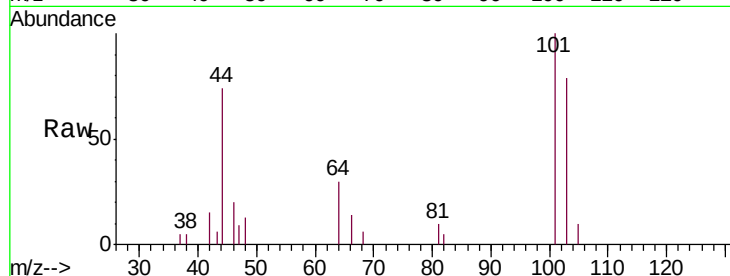
MDL02

Tgt Ion:101 Resp: 2824

Ion Ratio Lower Upper

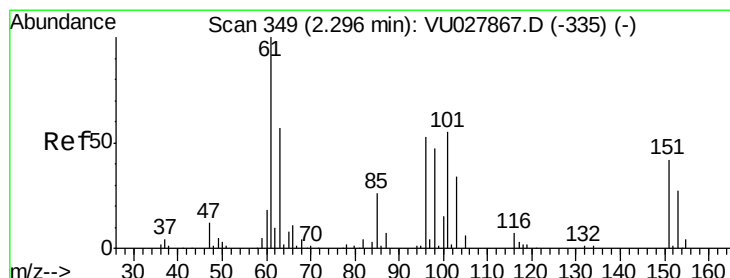
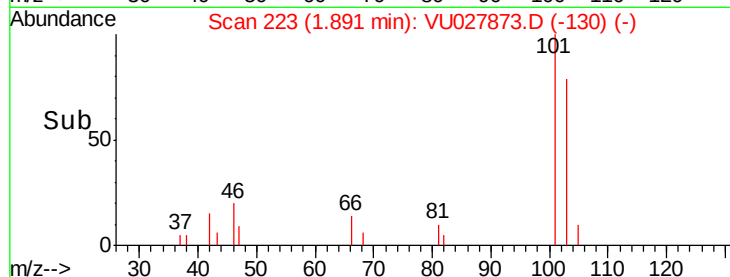
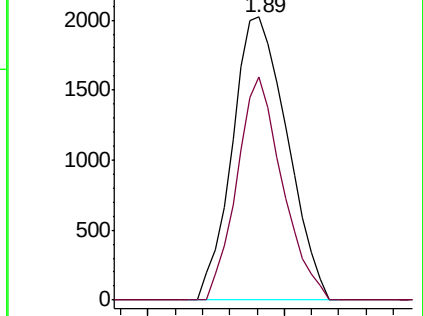
101 100

103 65.3 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: 0.293 ug/L

RT: 2.30 min Scan# 349

Delta R.T. 0.00 min

Lab File: VU027873.D

Acq: 30 Oct 2018 14:22

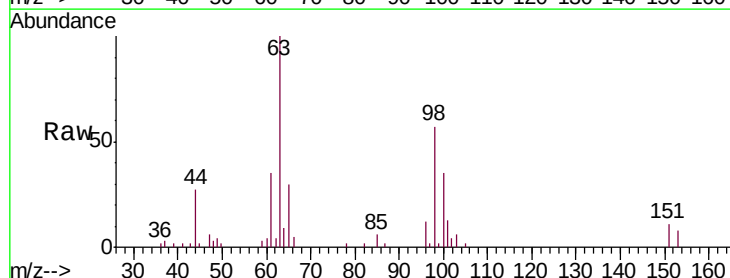
Tgt Ion:101 Resp: 1618

Ion Ratio Lower Upper

101 100

85 42.3 37.1 55.7

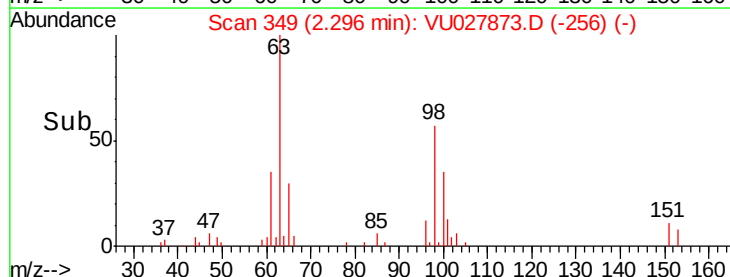
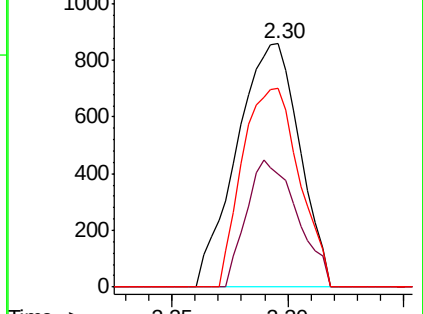
151 73.8 59.9 89.9

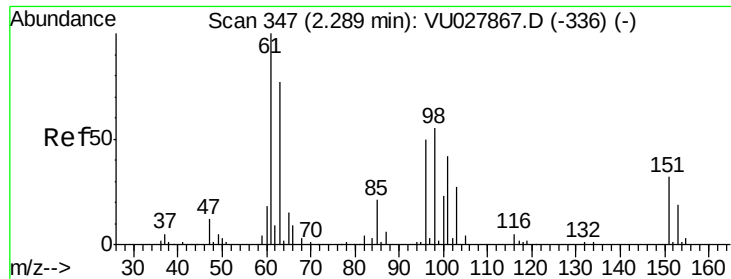


Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VU0

Ion 151.00 (150.70 to 151.70): V

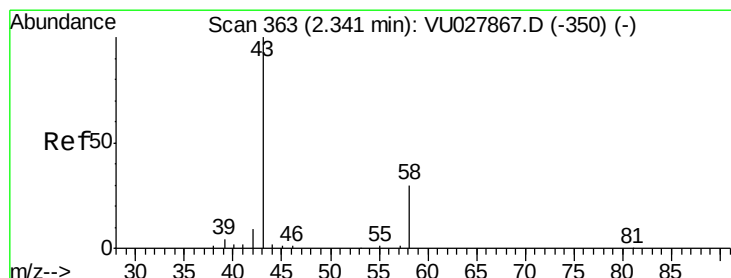
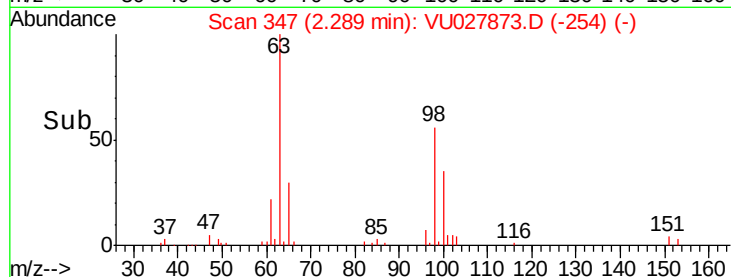
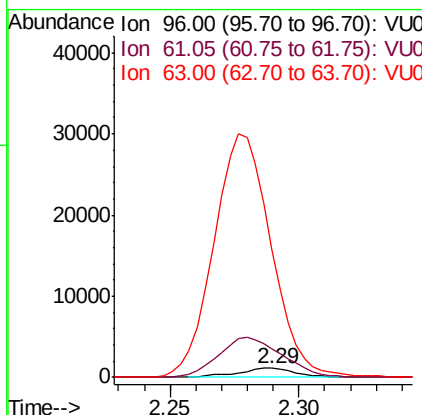
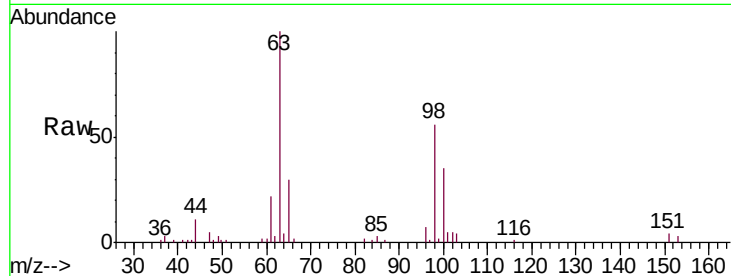




#12
 1,1-Dichloroethene
 Concen: 0.329 ug/L
 RT: 2.29 min Scan# 347
 Delta R.T. 0.00 min
 Lab File: VU027873.D
 Acq: 30 Oct 2018 14:22

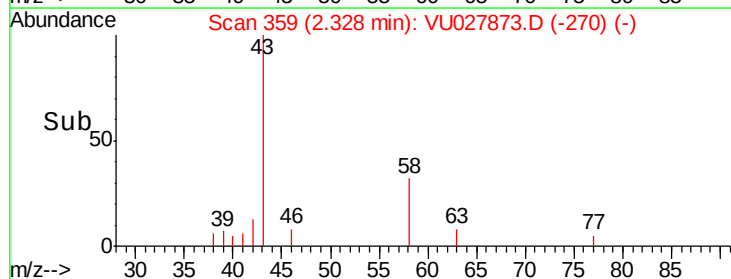
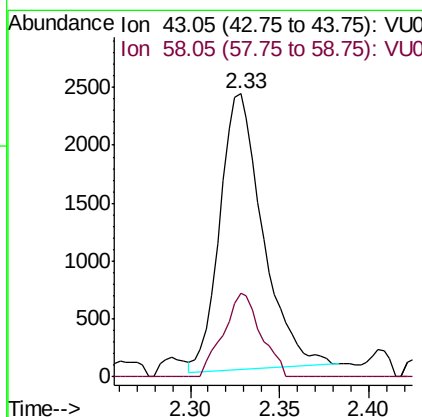
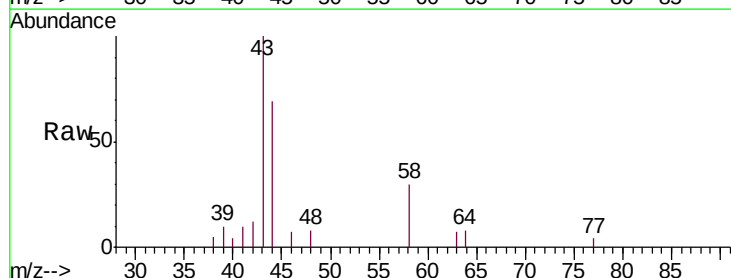
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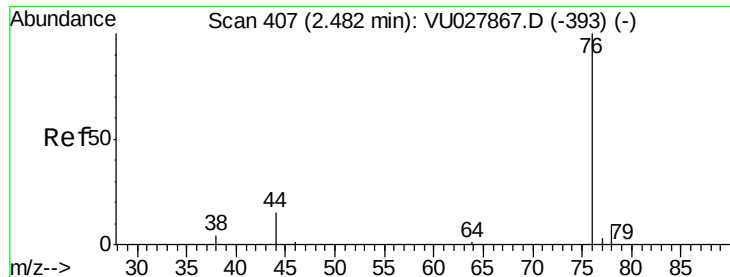
Tgt Ion: 96 Resp: 1715
 Ion Ratio Lower Upper
 96 100
 61 302.6 141.1 262.1#
 63 1382.6 113.0 209.9#



#13
 Acetone
 Concen: 3.231 ug/L
 RT: 2.33 min Scan# 359
 Delta R.T. -0.01 min
 Lab File: VU027873.D
 Acq: 30 Oct 2018 14:22

Tgt Ion: 43 Resp: 3988
 Ion Ratio Lower Upper
 43 100
 58 26.4 0.0 61.4





#14

Carbon disulfide

Concen: 0.308 ug/L

RT: 2.48 min Scan# 407

Delta R.T. 0.00 min

Lab File: VU027873.D

Acq: 30 Oct 2018 14:22

Instrument :

MSVOA_U

ClientSampleId :

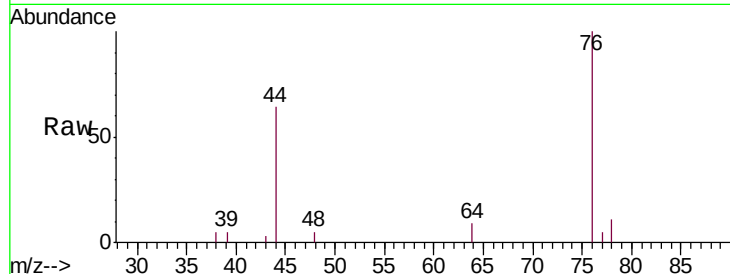
MDL02

Tgt Ion: 76 Resp: 5736

Ion Ratio Lower Upper

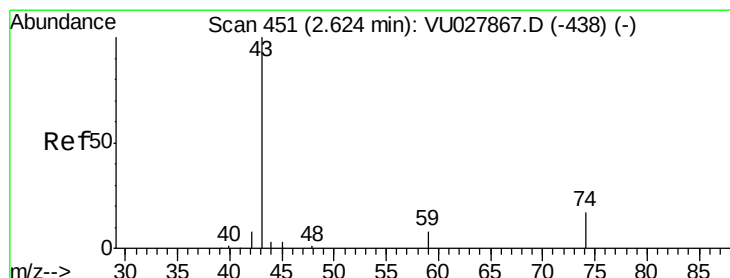
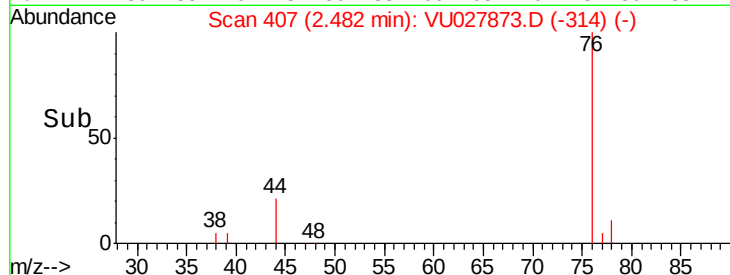
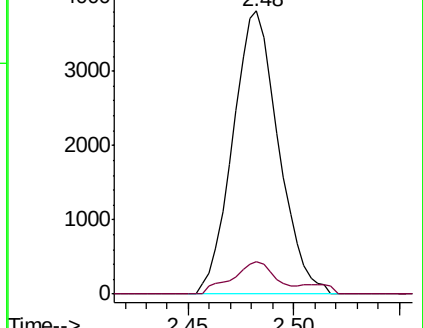
76 100

78 11.4 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: 0.337 ug/L

RT: 2.61 min Scan# 448

Delta R.T. -0.01 min

Lab File: VU027873.D

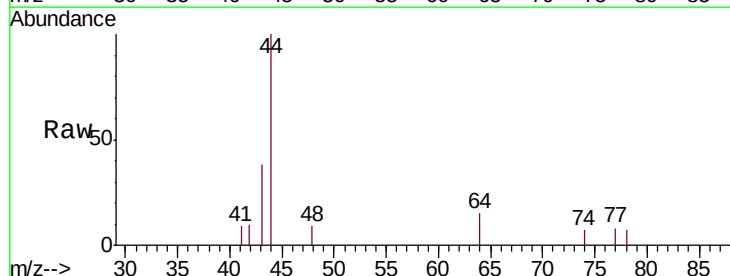
Acq: 30 Oct 2018 14:22

Tgt Ion: 43 Resp: 1112

Ion Ratio Lower Upper

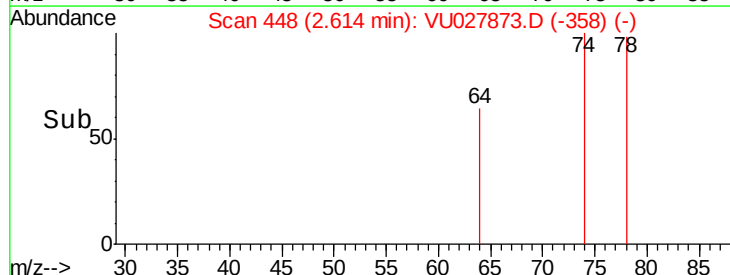
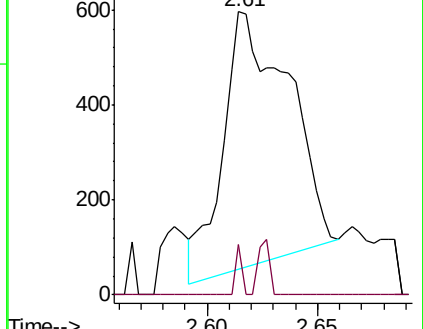
43 100

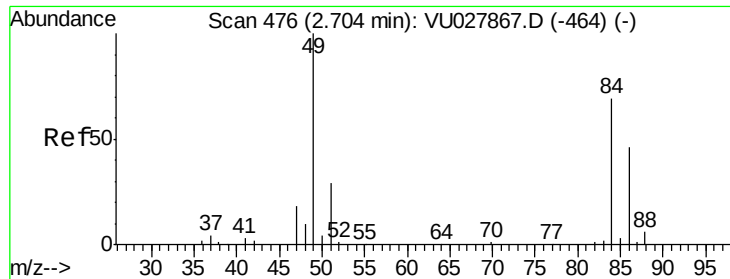
74 1.9 14.9 22.3#



Abundance Ion 43.05 (42.75 to 43.75): VU0

Ion 74.05 (73.75 to 74.75): VU0

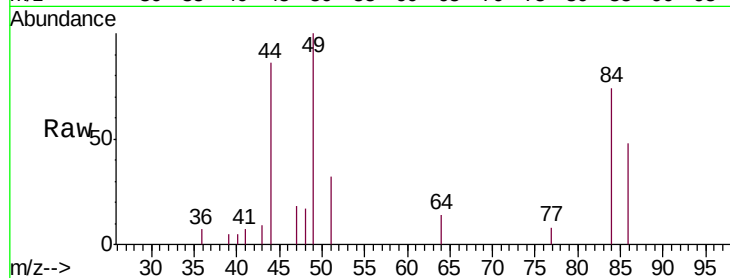




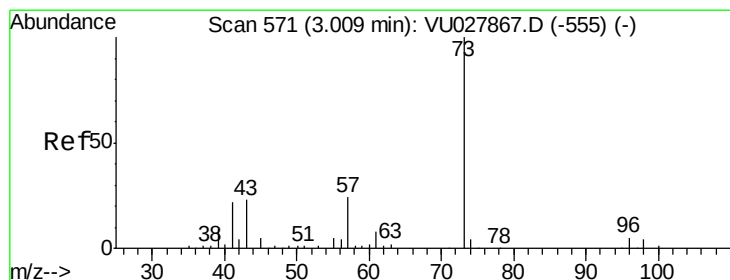
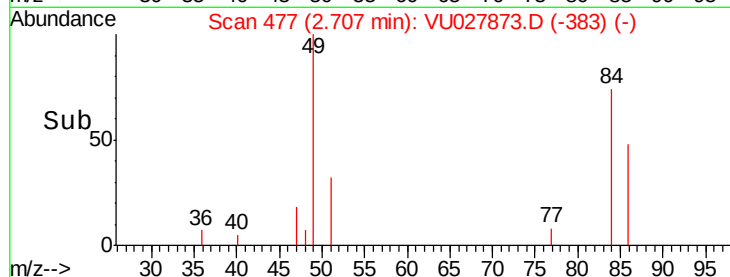
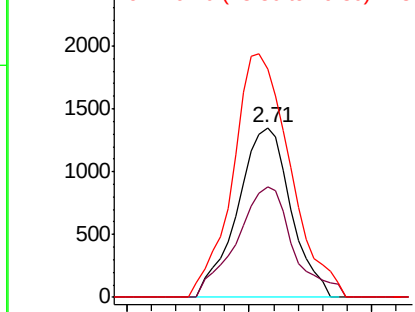
#16
Methylene chloride
Concen: 0.349 ug/L
RT: 2.71 min Scan# 477
Delta R.T. 0.00 min
Lab File: VU027873.D
Acq: 30 Oct 2018 14:22

Instrument :
MSVOA_U
ClientSampleId :
MDL02

Tgt Ion: 84 Resp: 2043
Ion Ratio Lower Upper
84 100
86 65.3 46.7 86.7
49 134.9 101.3 188.1

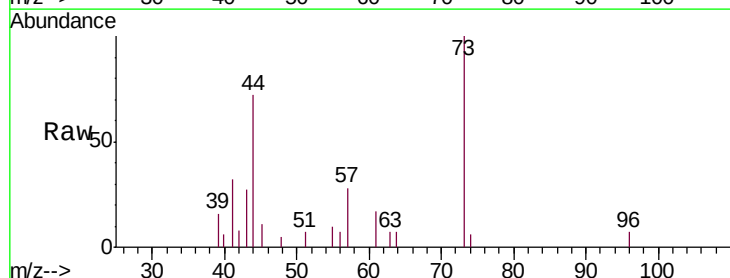


Abundance Ion 84.05 (83.75 to 84.75): VU0
Ion 86.00 (85.70 to 86.70): VU0
Ion 49.10 (48.80 to 49.80): VU0

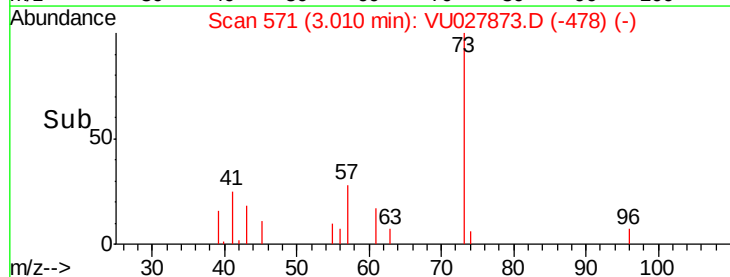
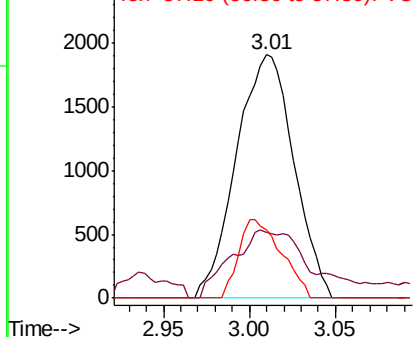


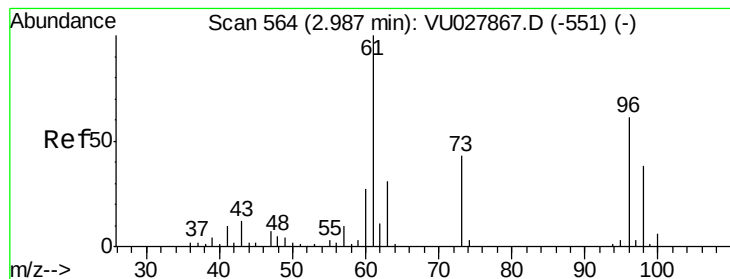
#17
Methyl tert-butyl Ether
Concen: 0.285 ug/L
RT: 3.01 min Scan# 571
Delta R.T. 0.00 min
Lab File: VU027873.D
Acq: 30 Oct 2018 14:22

Tgt Ion: 73 Resp: 4440
Ion Ratio Lower Upper
73 100
43 32.9 18.7 28.1#
57 23.9 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: 0.313 ug/L

RT: 2.98 min Scan# 563

Delta R.T. -0.00 min

Lab File: VU027873.D

Acq: 30 Oct 2018 14:22

Instrument :

MSVOA_U

ClientSampleId :

MDL02

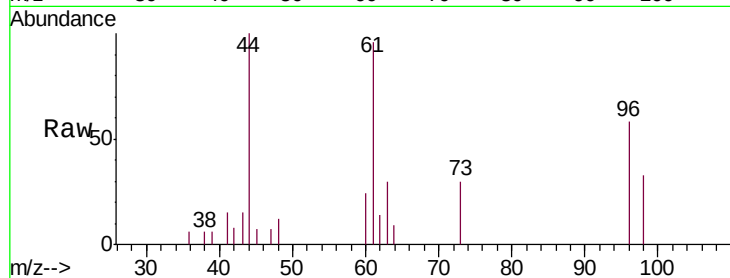
Tgt Ion: 96 Resp: 1737

Ion Ratio Lower Upper

96 100

61 166.3 115.2 214.0

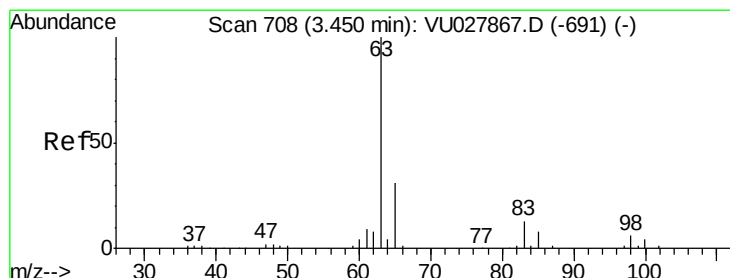
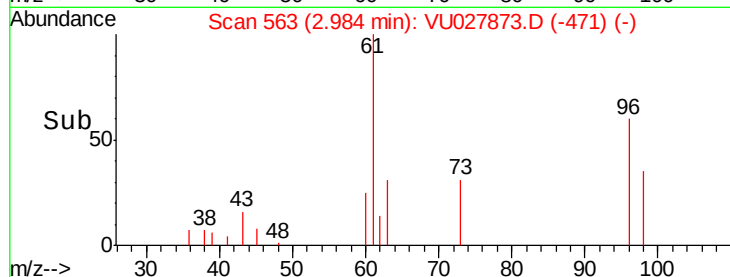
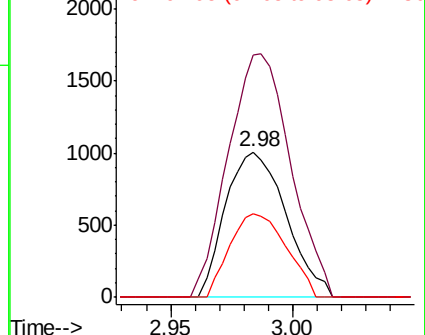
98 57.5 44.0 81.8



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: 0.139 ug/L

RT: 3.44 min Scan# 705

Delta R.T. -0.01 min

Lab File: VU027873.D

Acq: 30 Oct 2018 14:22

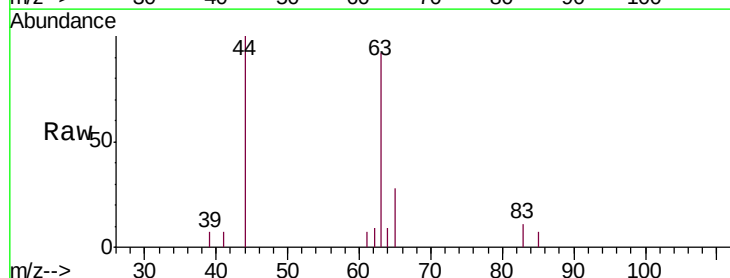
Tgt Ion: 63 Resp: 1633

Ion Ratio Lower Upper

63 100

65 30.0 21.8 40.4

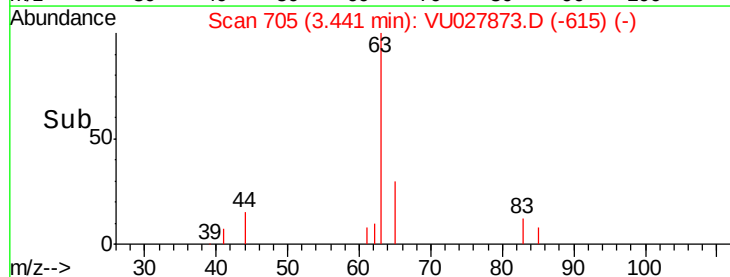
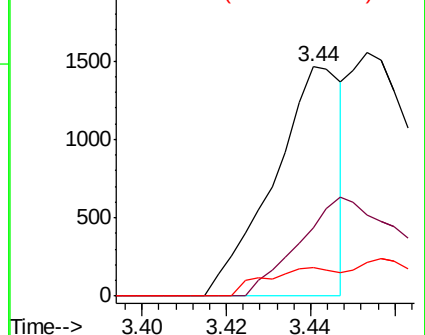
83 12.4 9.4 17.4

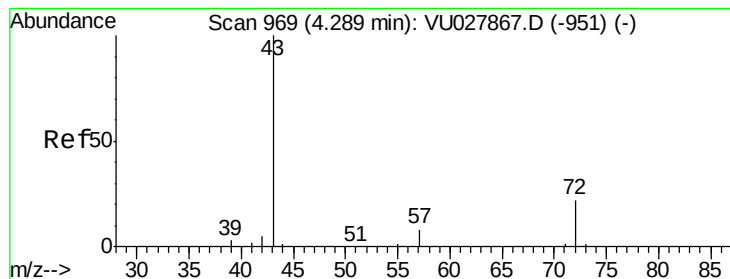


Abundance Ion 63.10 (62.80 to 63.80): VU0

Ion 65.10 (64.80 to 65.80): VU0

Ion 83.05 (82.75 to 83.75): VU0





#21

2-Butanone

Concen: 2.940 ug/L

RT: 4.29 min Scan# 968

Delta R.T. -0.00 min

Lab File: VU027873.D

Acq: 30 Oct 2018 14:22

Instrument :

MSVOA_U

ClientSampleId :

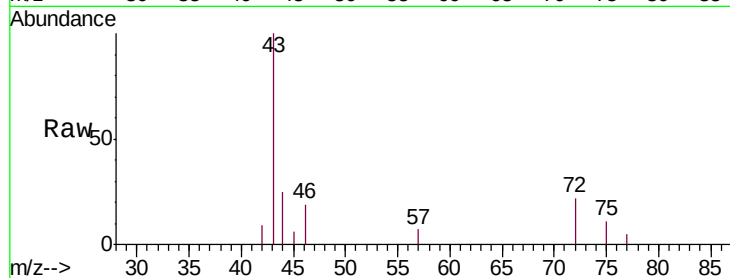
MDL02

Tgt Ion: 43 Resp: 6308

Ion Ratio Lower Upper

43 100

72 11.0 10.9 32.9



Abundance Ion 43.05 (42.75 to 43.75): VU027867.D (-951) (-)

Ion 72.10 (71.80 to 72.80): VU027867.D (-951) (-)

4.29

2500

2000

1500

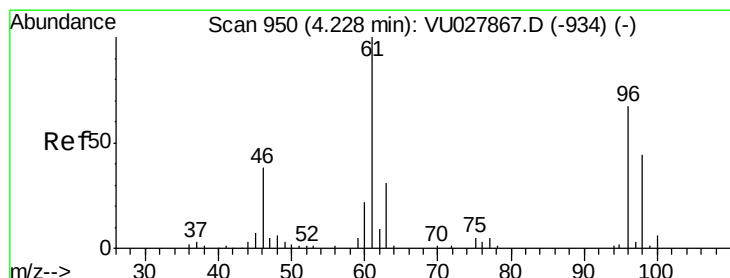
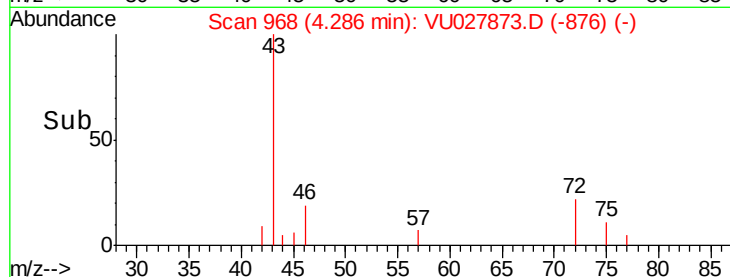
1000

500

0

4.20 4.25 4.30 4.35 4.40

Time-->



#22

cis-1,2-Dichloroethene

Concen: 0.280 ug/L

RT: 4.23 min Scan# 952

Delta R.T. 0.01 min

Lab File: VU027873.D

Acq: 30 Oct 2018 14:22

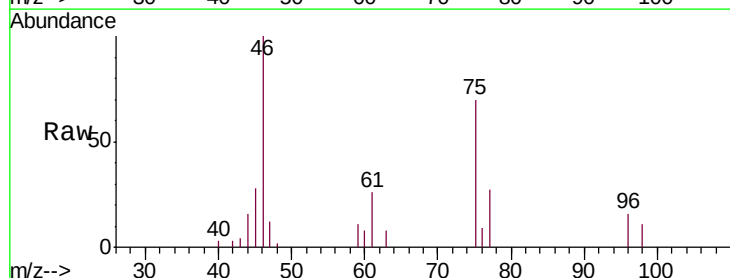
Tgt Ion: 96 Resp: 1793

Ion Ratio Lower Upper

96 100

61 155.6 104.0 193.2

68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU027867.D (-934) (-)

Ion 61.05 (60.75 to 61.75): VU027867.D (-934) (-)

Ion 68.15 (67.85 to 68.85): VU027867.D (-934) (-)

1500

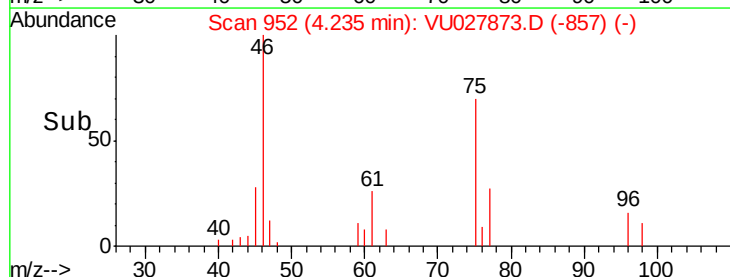
1000

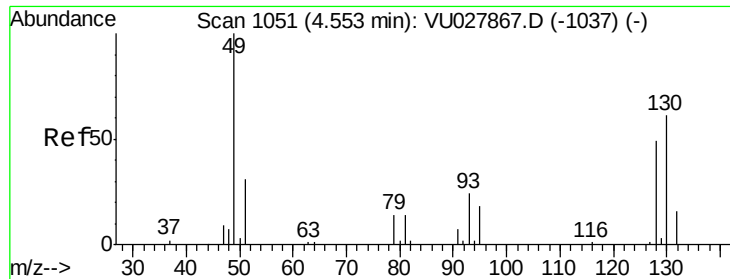
500

0

4.20 4.25

Time-->





#23

Bromochloromethane

Concen: 0.229 ug/L

RT: 4.55 min Scan# 1050

Delta R.T. -0.00 min

Lab File: VU027873.D

Acq: 30 Oct 2018 14:22

Instrument :

MSVOA_U

ClientSampleId :

MDL02

Tgt Ion:128 Resp: 607

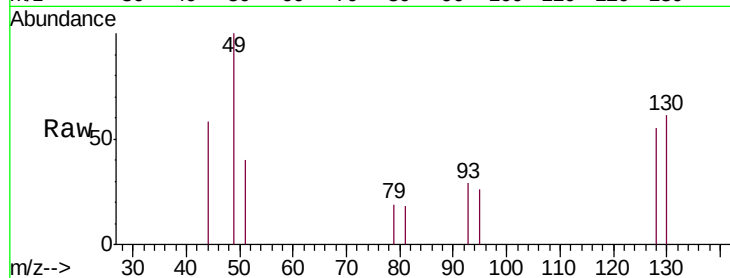
Ion Ratio Lower Upper

128 100

49 180.2 142.0 263.8

130 110.2 86.1 159.9

51 71.8 50.4 75.6

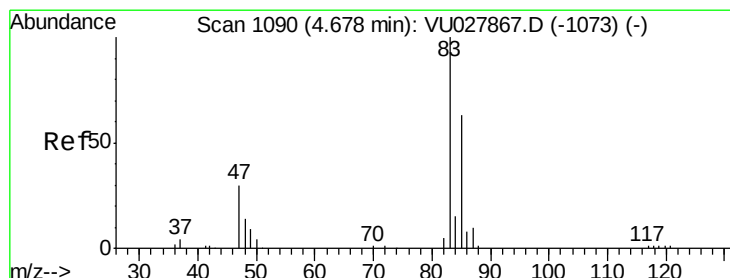
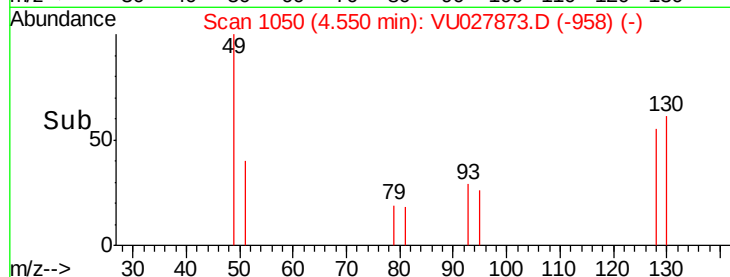
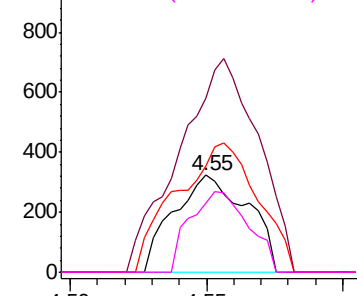


Abundance Ion 127.90 (127.60 to 128.60): V

Ion 49.10 (48.80 to 49.80): VU0

Ion 129.95 (129.65 to 130.65): V

Ion 51.05 (50.75 to 51.75): VU0



#25

Chloroform

Concen: 0.353 ug/L

RT: 4.68 min Scan# 1090

Delta R.T. 0.00 min

Lab File: VU027873.D

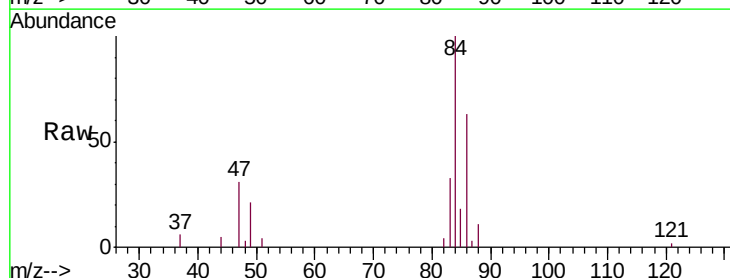
Acq: 30 Oct 2018 14:22

Tgt Ion: 83 Resp: 4188

Ion Ratio Lower Upper

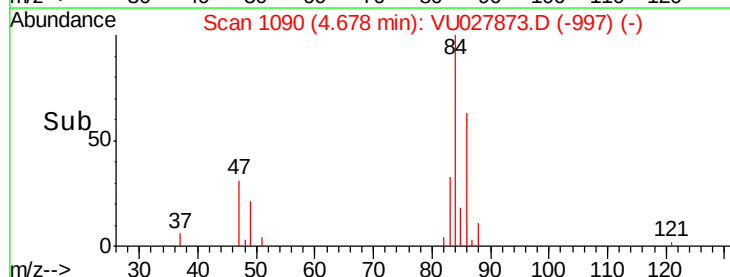
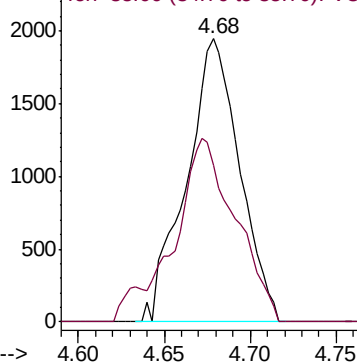
83 100

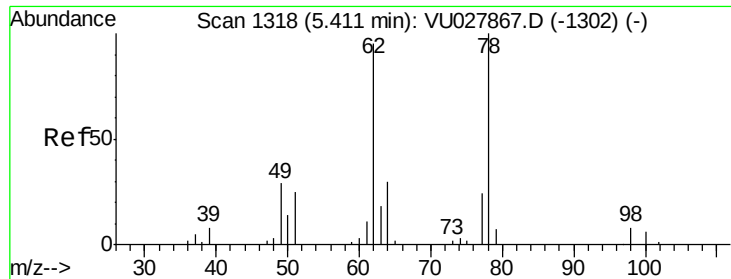
85 55.5 44.0 81.8



Abundance Ion 83.05 (82.75 to 83.75): VU0

Ion 85.00 (84.70 to 85.70): VU0

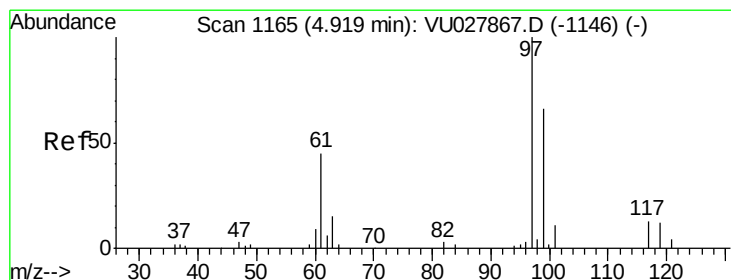
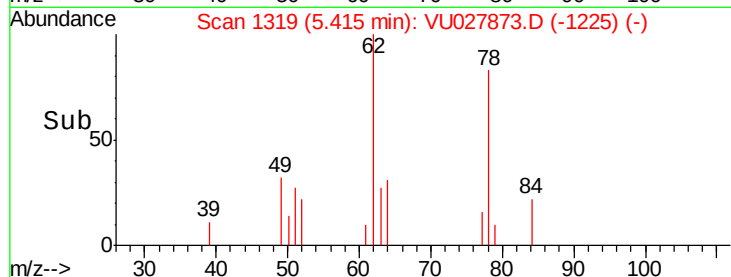
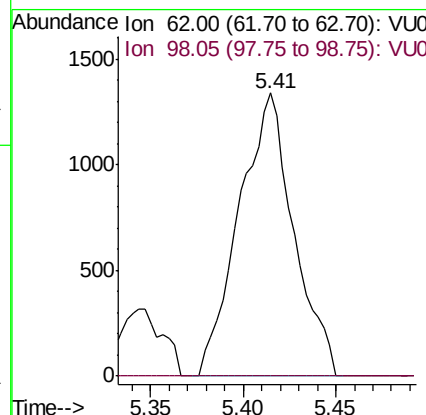
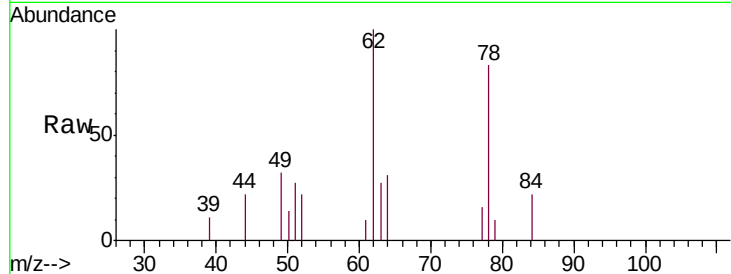




#27
 1,2-Dichloroethane
 Concen: 0.330 ug/L
 RT: 5.41 min Scan# 1319
 Delta R.T. 0.00 min
 Lab File: VU027873.D
 Acq: 30 Oct 2018 14:22

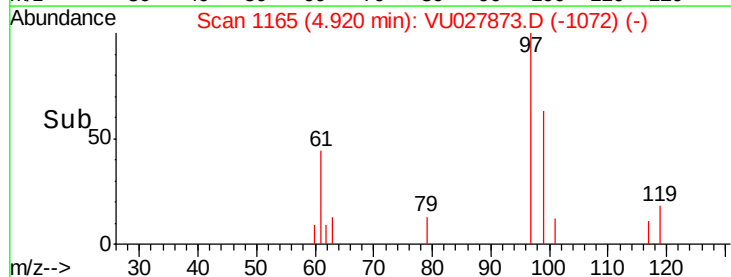
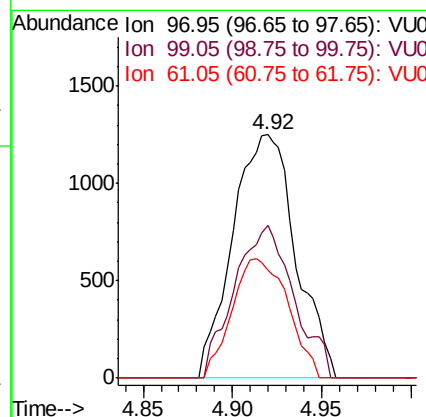
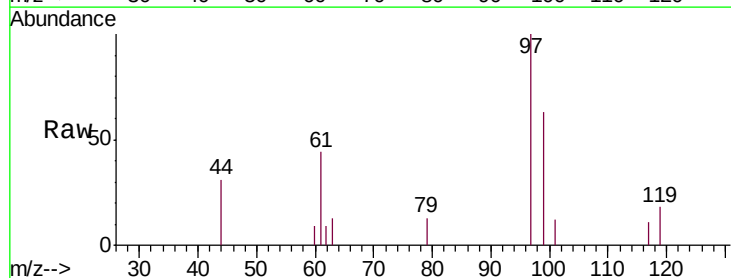
Instrument :
 MSVOA_U
 ClientSampleId :
 MDL02

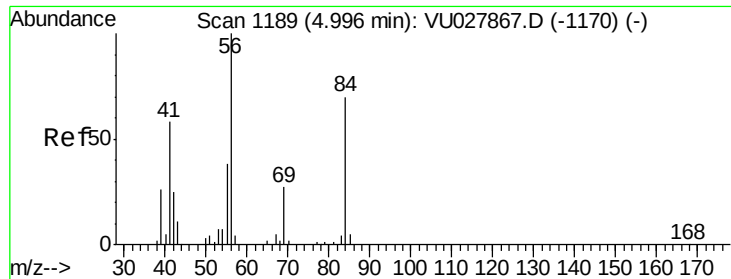
Tgt Ion: 62 Resp: 2737
 Ion Ratio Lower Upper
 62 100
 98 0.0 6.3 9.5#



#29
 1,1,1-Trichloroethane
 Concen: 0.299 ug/L
 RT: 4.92 min Scan# 1165
 Delta R.T. 0.00 min
 Lab File: VU027873.D
 Acq: 30 Oct 2018 14:22

Tgt Ion: 97 Resp: 3080
 Ion Ratio Lower Upper
 97 100
 99 58.8 50.6 76.0
 61 43.4 35.8 53.6

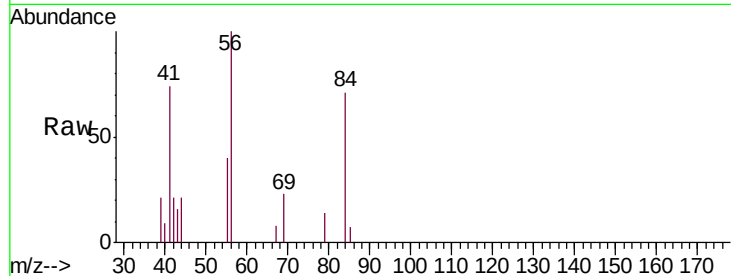




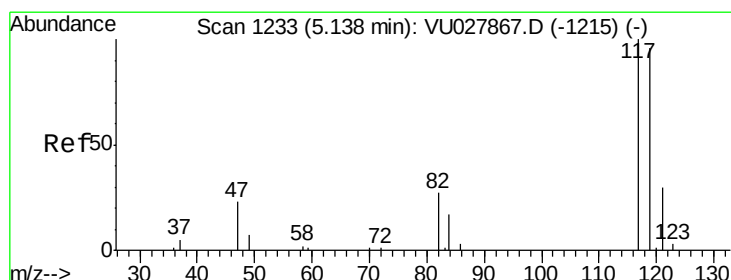
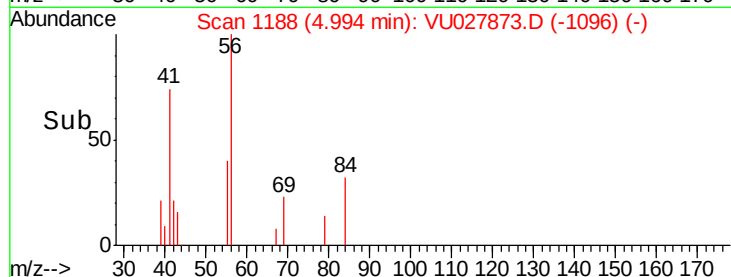
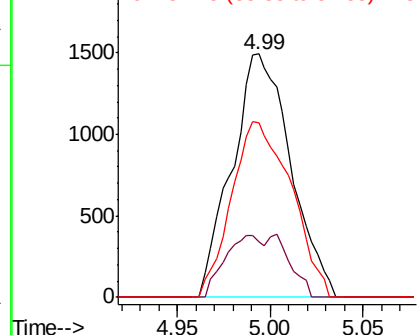
#30
Cyclohexane
Concen: 0.272 ug/L
RT: 4.99 min Scan# 1188
Delta R.T. -0.00 min
Lab File: VU027873.D
Acq: 30 Oct 2018 14:22

Instrument :
MSVOA_U
ClientSampleId :
MDL02

Tgt Ion: 56 Resp: 3296
Ion Ratio Lower Upper
56 100
69 16.7 22.7 34.1#
84 73.3 58.1 87.1

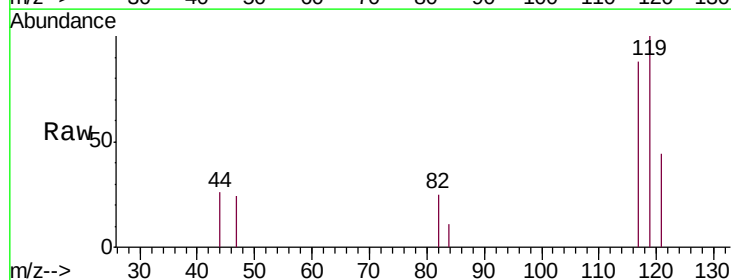


Abundance Ion 56.10 (55.80 to 56.80): VU0
Ion 69.15 (68.85 to 69.85): VU0
Ion 84.15 (83.85 to 84.85): VU0

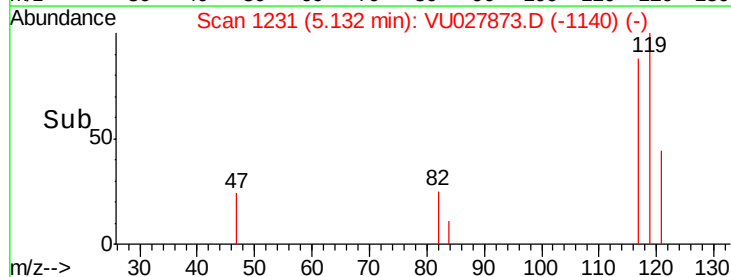
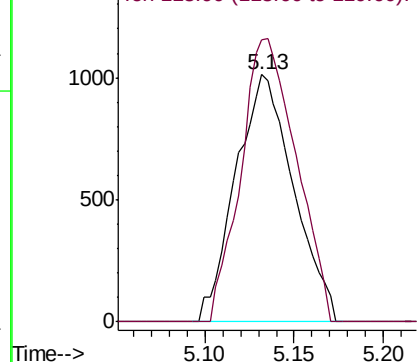


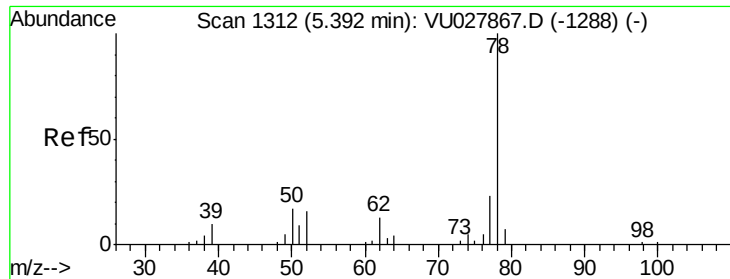
#31
Carbon tetrachloride
Concen: 0.259 ug/L
RT: 5.13 min Scan# 1231
Delta R.T. -0.01 min
Lab File: VU027873.D
Acq: 30 Oct 2018 14:22

Tgt Ion: 117 Resp: 2289
Ion Ratio Lower Upper
117 100
119 109.9 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: 0.336 ug/L

RT: 5.39 min Scan# 1312

Delta R.T. 0.00 min

Lab File: VU027873.D

Acq: 30 Oct 2018 14:22

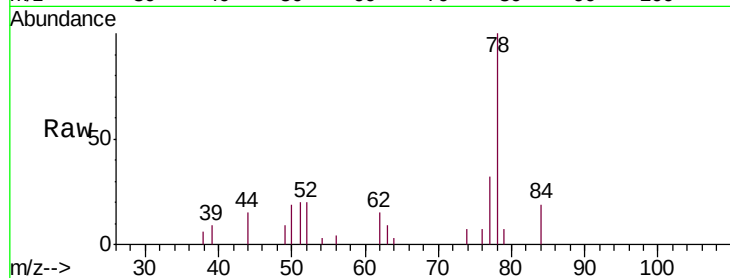
Instrument :

MSVOA_U

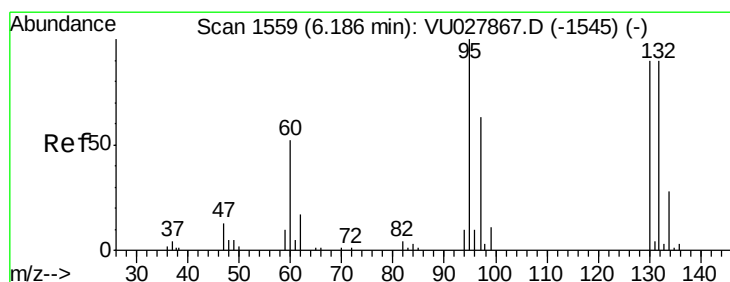
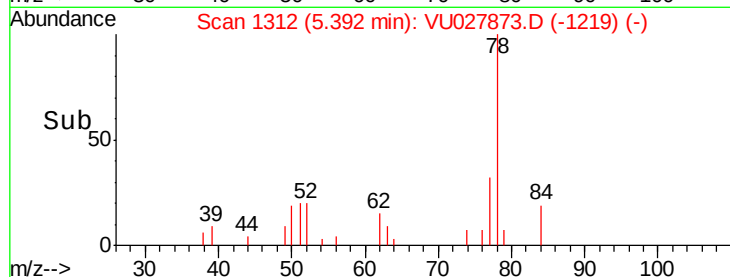
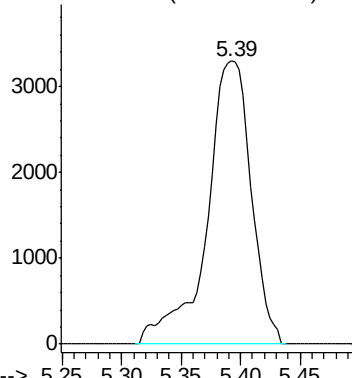
ClientSampleId :

MDL02

Tgt Ion: 78 Resp: 8510



Abundance Ion 78.10 (77.80 to 78.80): VU0



#34

Trichloroethene

Concen: 0.305 ug/L

RT: 6.19 min Scan# 1560

Delta R.T. 0.00 min

Lab File: VU027873.D

Acq: 30 Oct 2018 14:22

Tgt Ion: 95 Resp: 2010

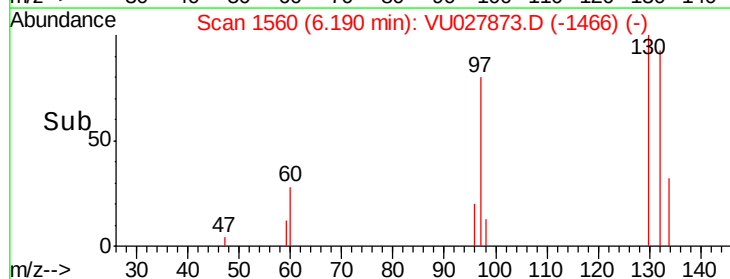
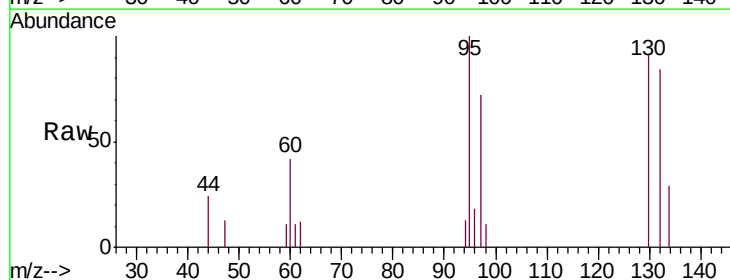
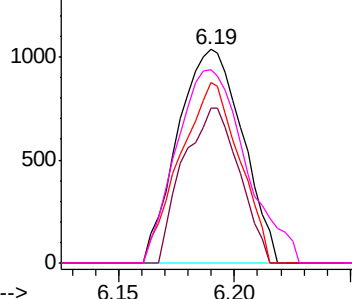
Ion	Ratio	Lower	Upper
95	100		
97	72.3	44.0	81.6
132	84.4	63.3	117.5
130	90.6	63.1	117.3

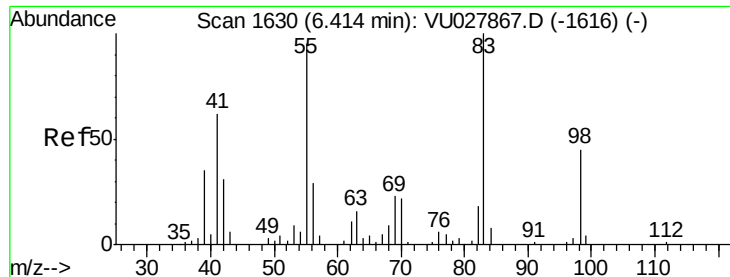
Abundance Ion 95.00 (94.70 to 95.70): VU0

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

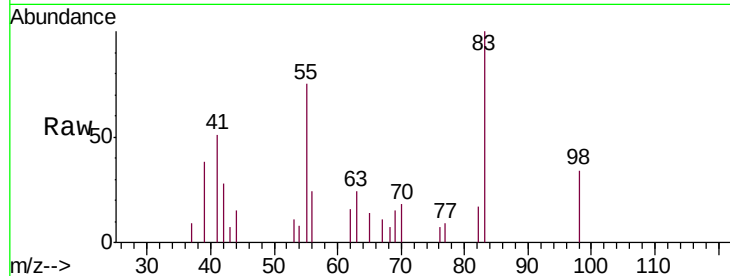




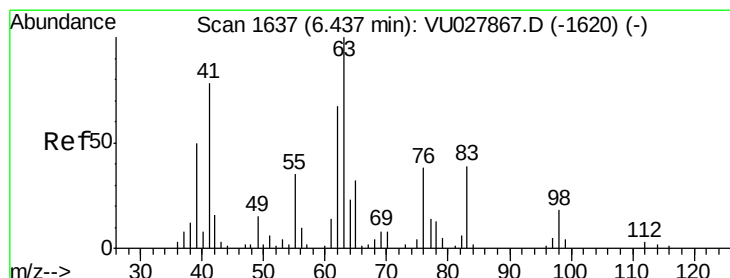
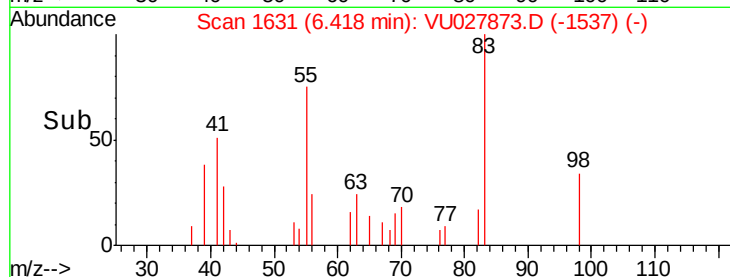
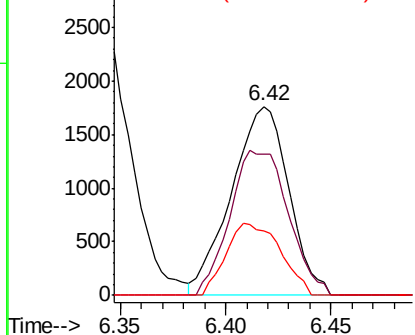
#35
Methylcyclohexane
Concen: 0.298 ug/L
RT: 6.42 min Scan# 1631
Delta R.T. 0.00 min
Lab File: VU027873.D
Acq: 30 Oct 2018 14:22

Instrument :
MSVOA_U
ClientSampleId :
MDL02

Tgt Ion: 83 Resp: 3338
Ion Ratio Lower Upper
83 100
55 78.0 73.4 110.0
98 36.0 35.3 52.9

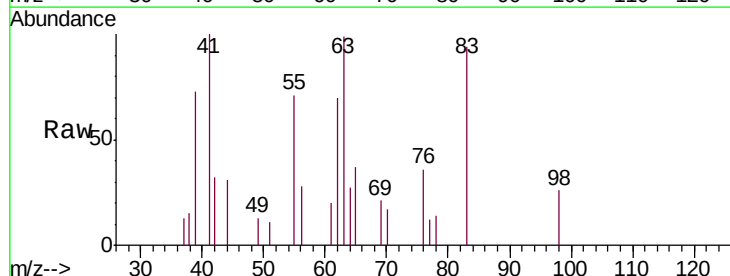


Abundance Ion 83.15 (82.85 to 83.85): VU0
Ion 55.10 (54.80 to 55.80): VU0
Ion 98.15 (97.85 to 98.85): VU0

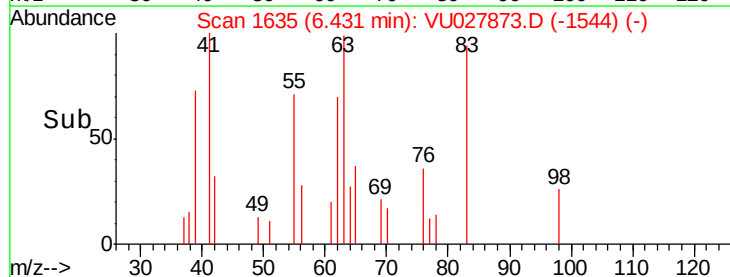
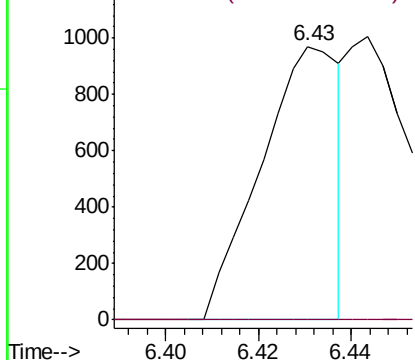


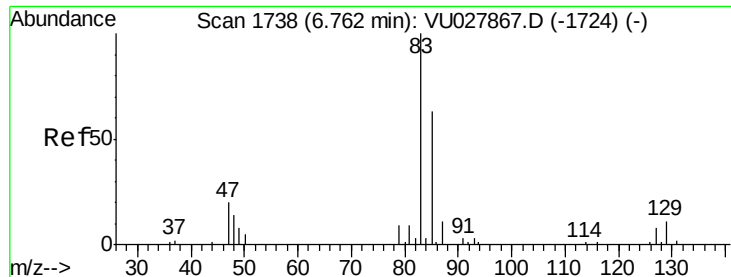
#37
1,2-Dichloropropane
Concen: 0.158 ug/L
RT: 6.43 min Scan# 1635
Delta R.T. -0.01 min
Lab File: VU027873.D
Acq: 30 Oct 2018 14:22

Tgt Ion: 63 Resp: 1140
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

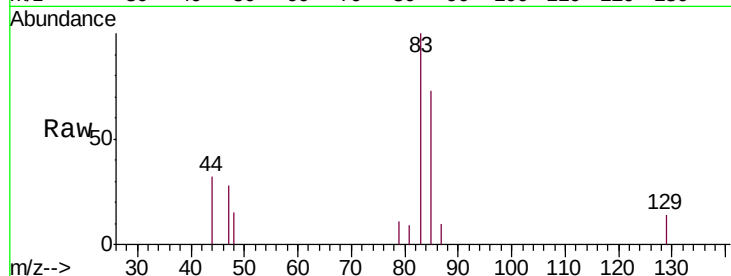




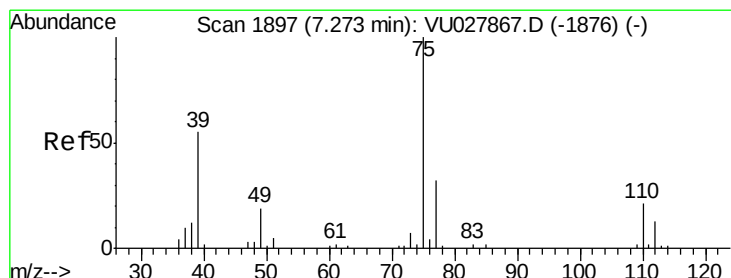
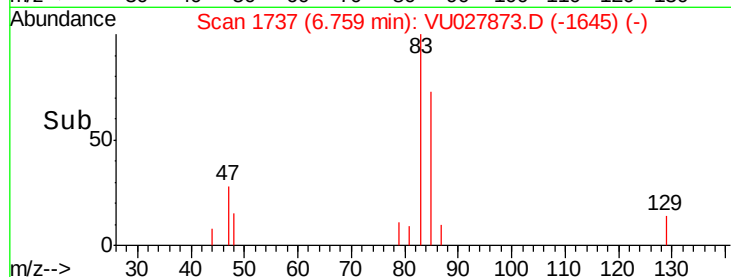
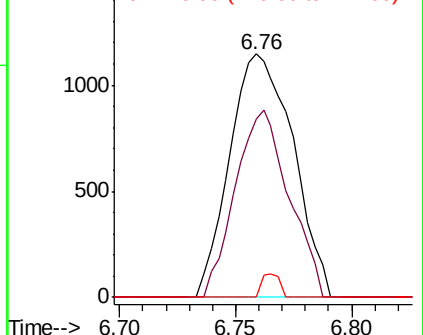
#38
 Bromodichloromethane
 Concen: 0.258 ug/L
 RT: 6.76 min Scan# 1737
 Delta R.T. -0.00 min
 Lab File: VU027873.D
 Acq: 30 Oct 2018 14:22

Instrument :
 MSVOA_U
 ClientSampled :
 MDL02

Tgt Ion: 83 Resp: 2176
 Ion Ratio Lower Upper
 83 100
 85 73.1 43.8 81.4
 127 0.0 6.4 9.6#

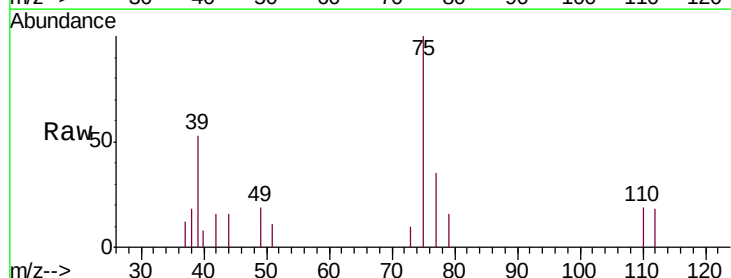


Abundance Ion 82.95 (82.65 to 83.65): VU0
 Ion 85.00 (84.70 to 85.70): VU0
 Ion 126.90 (126.60 to 127.60): V

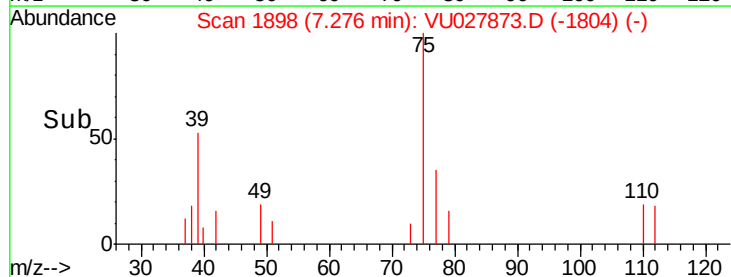
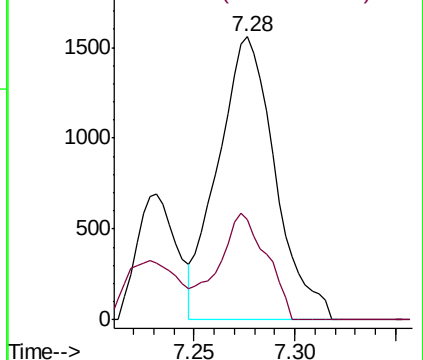


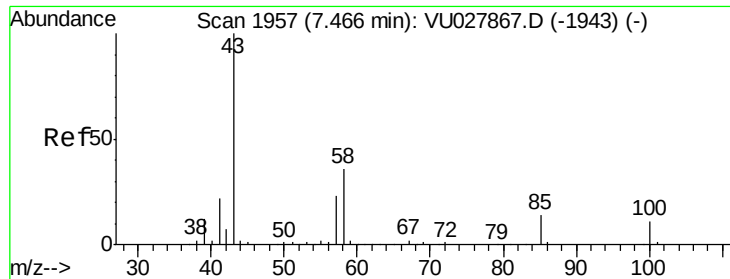
#39
 cis-1,3-Dichloropropene
 Concen: 0.298 ug/L
 RT: 7.28 min Scan# 1898
 Delta R.T. 0.00 min
 Lab File: VU027873.D
 Acq: 30 Oct 2018 14:22

Tgt Ion: 75 Resp: 3078
 Ion Ratio Lower Upper
 75 100
 77 35.4 22.2 41.2



Abundance Ion 75.05 (74.75 to 75.75): VU0
 Ion 77.05 (76.75 to 77.75): VU0

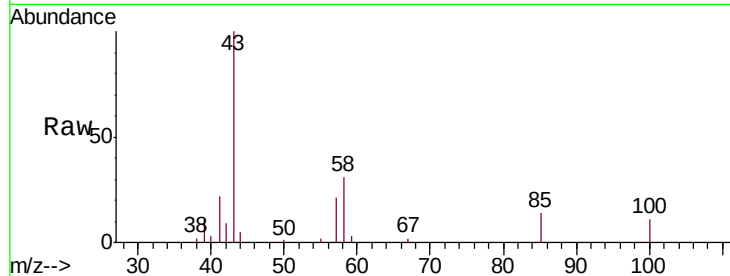




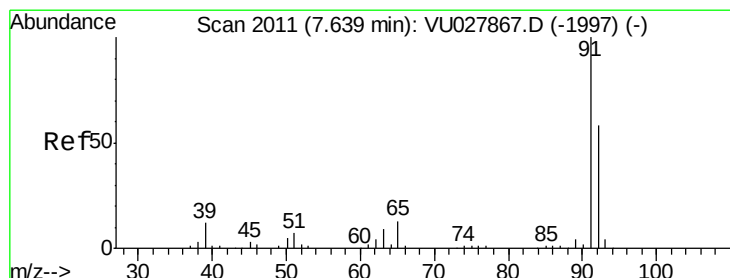
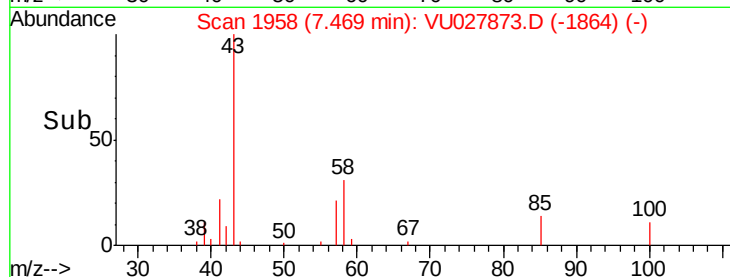
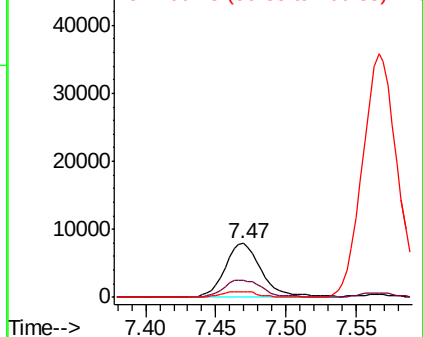
#40
 4-Methyl-2-pentanone
 Concen: 2.866 ug/L
 RT: 7.47 min Scan# 1958
 Delta R.T. 0.00 min
 Lab File: VU027873.D
 Acq: 30 Oct 2018 14:22

Instrument :
 MSVOA_U
 ClientSampleId :
 MDL02

Tgt Ion: 43 Resp: 14602
 Ion Ratio Lower Upper
 43 100
 58 33.5 28.5 42.7
 100 0.0 8.8 13.2#

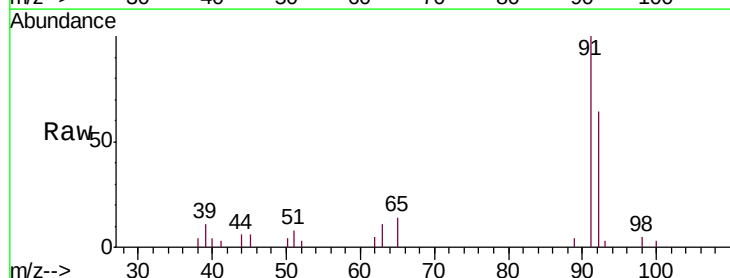


Abundance Ion 43.05 (42.75 to 43.75): VU0
 Ion 58.05 (57.75 to 58.75): VU0
 Ion 100.15 (99.85 to 100.85): VU0

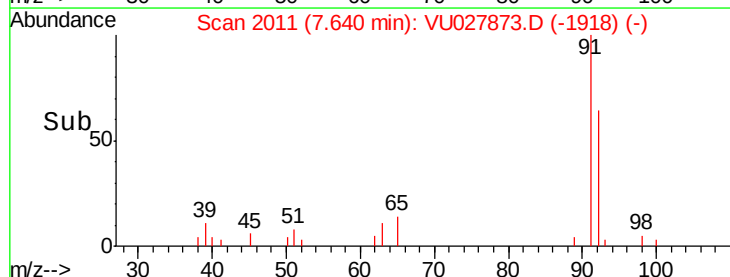
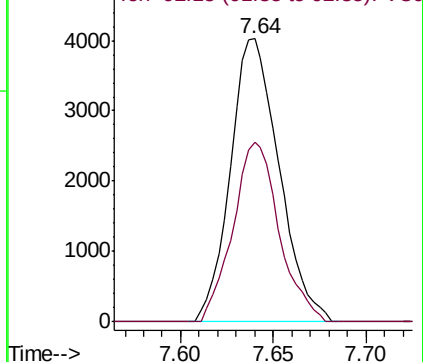


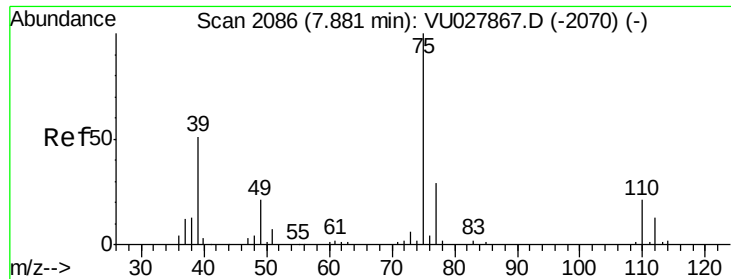
#42
 Toluene
 Concen: 0.278 ug/L
 RT: 7.64 min Scan# 2011
 Delta R.T. 0.00 min
 Lab File: VU027873.D
 Acq: 30 Oct 2018 14:22

Tgt Ion: 91 Resp: 7351
 Ion Ratio Lower Upper
 91 100
 92 63.5 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: 0.259 ug/L

RT: 7.88 min Scan# 2086

Delta R.T. 0.00 min

Lab File: VU027873.D

Acq: 30 Oct 2018 14:22

Instrument :

MSVOA_U

ClientSampleId :

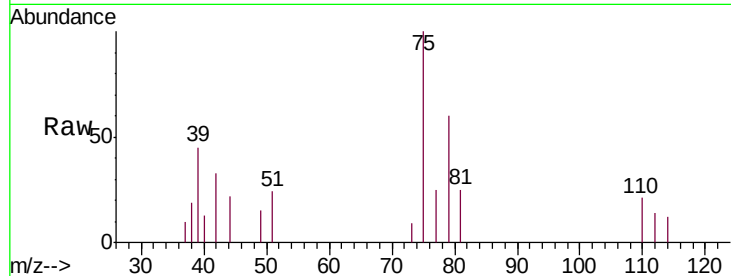
MDL02

Tgt Ion: 75 Resp: 2299

Ion Ratio Lower Upper

75 100

77 25.3 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

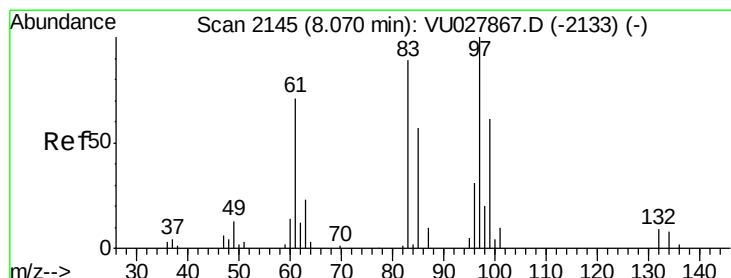
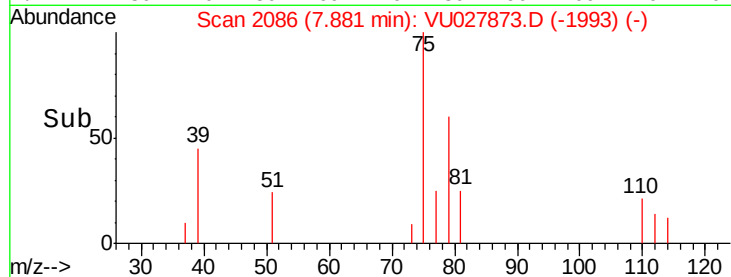
1000

500

0

7.85 7.90 7.95

Time-->



#45

1,1,2-Trichloroethane

Concen: 0.257 ug/L

RT: 8.07 min Scan# 2146

Delta R.T. 0.00 min

Lab File: VU027873.D

Acq: 30 Oct 2018 14:22

Tgt Ion: 97 Resp: 1140

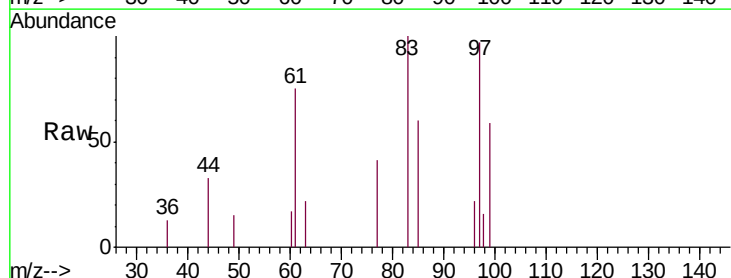
Ion Ratio Lower Upper

97 100

99 61.3 42.9 79.7

83 103.3 62.2 115.6

85 61.8 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) (-)

1200

1000

800

600

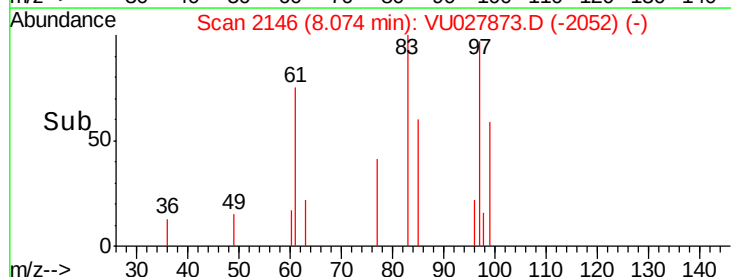
400

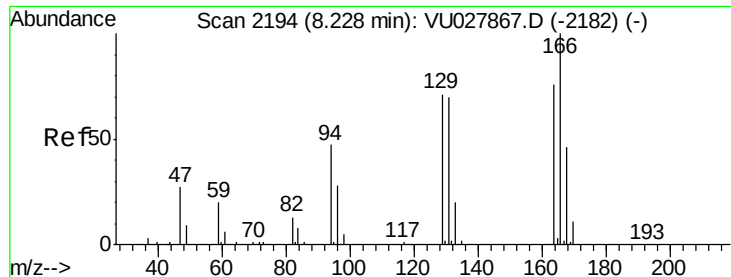
200

0

8.05 8.10

Time-->

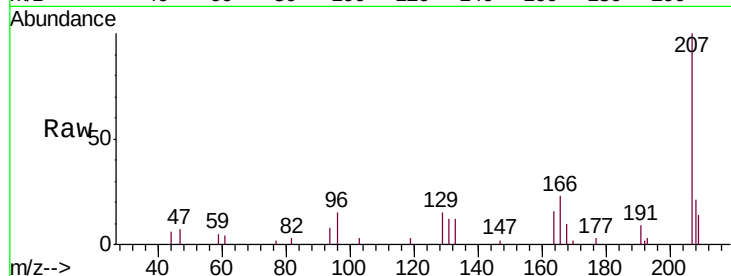




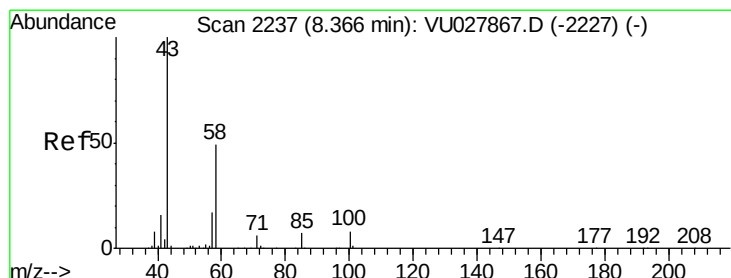
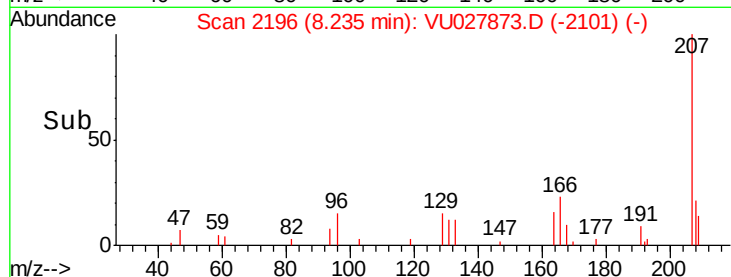
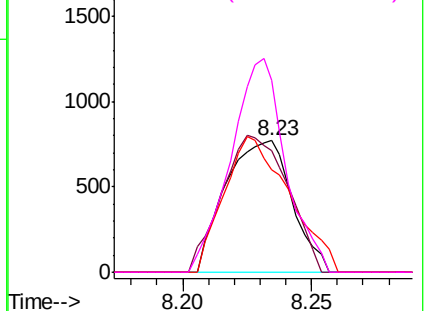
#47
Tetrachloroethene
Concen: 0.274 ug/L
RT: 8.23 min Scan# 2196
Delta R.T. 0.01 min
Lab File: VU027873.D
Acq: 30 Oct 2018 14:22

Instrument :
MSVOA_U
ClientSampled :
MDL02

Tgt Ion: 164 Resp: 1386
Ion Ratio Lower Upper
164 100
129 92.2 64.9 120.5
131 77.6 64.3 119.5
166 146.4 91.8 170.4

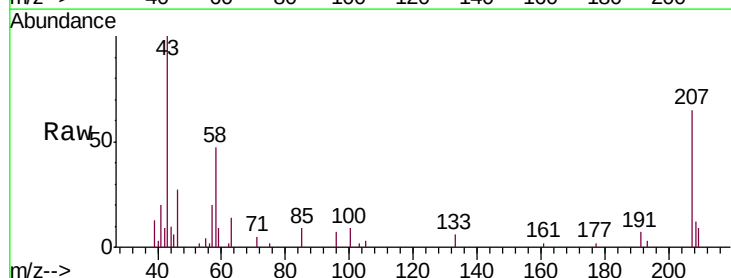


Abundance Ion 163.90 (163.60 to 164.60): V
Ion 128.95 (128.65 to 129.65): V
Ion 130.95 (130.65 to 131.65): V
Ion 165.90 (165.60 to 166.60): V

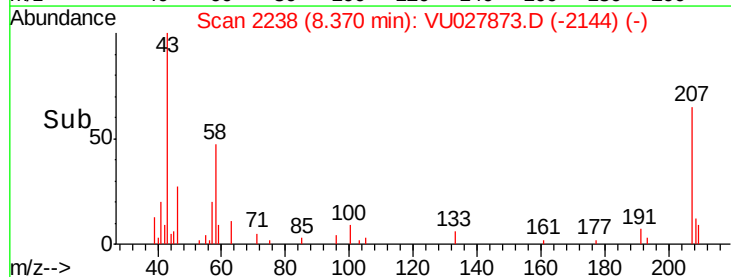
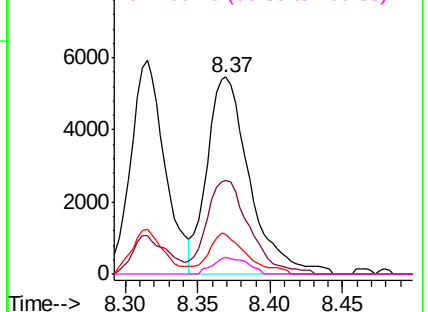


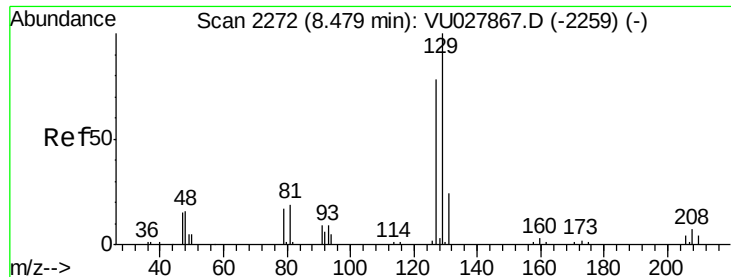
#48
2-Hexanone
Concen: 3.036 ug/L
RT: 8.37 min Scan# 2238
Delta R.T. 0.00 min
Lab File: VU027873.D
Acq: 30 Oct 2018 14:22

Tgt Ion: 43 Resp: 11149
Ion Ratio Lower Upper
43 100
58 48.2 38.9 58.3
57 18.7 13.3 19.9
100 6.8 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

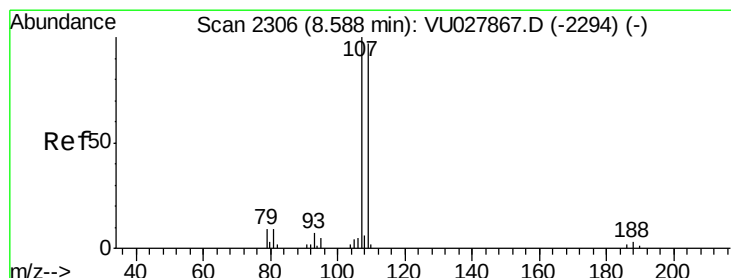
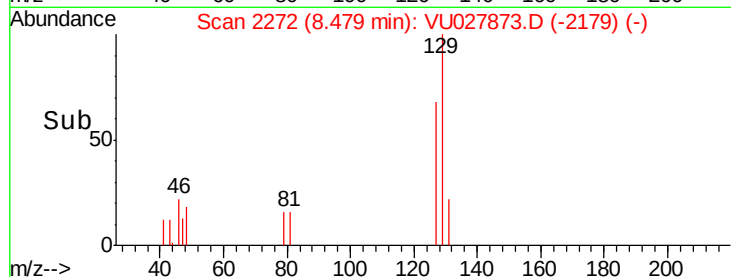
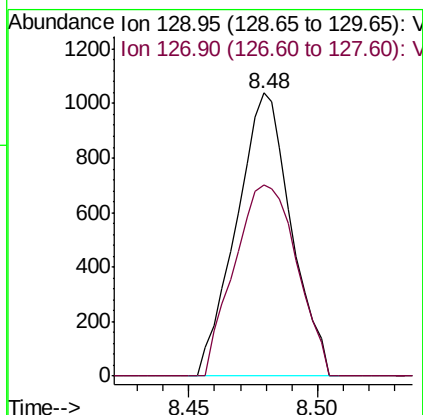
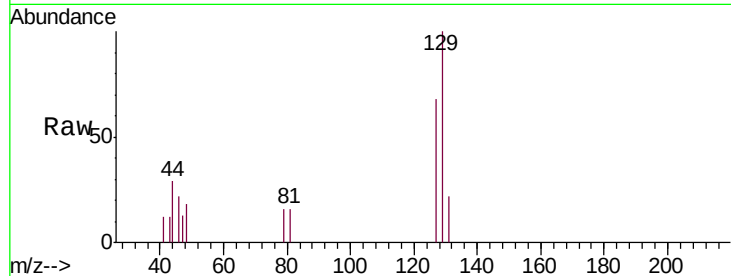




#49
 Dibromochloromethane
 Concen: 0.287 ug/L
 RT: 8.48 min Scan# 2272
 Delta R.T. 0.00 min
 Lab File: VU027873.D
 Acq: 30 Oct 2018 14:22

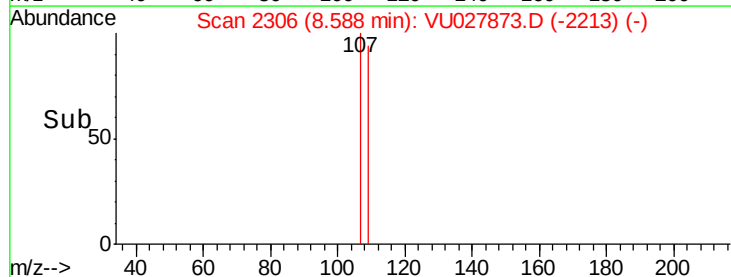
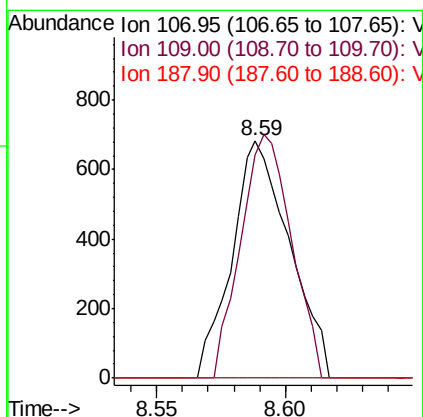
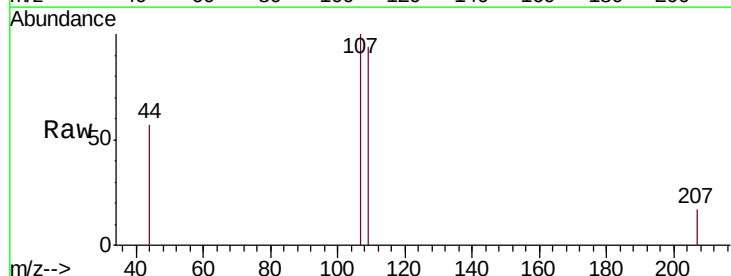
Instrument :
 MSVOA_U
 ClientSampleId :
 MDL02

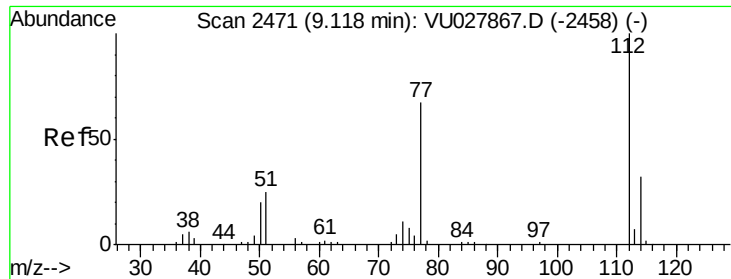
Tgt Ion:129 Resp: 1539
 Ion Ratio Lower Upper
 129 100
 127 67.5 54.5 101.1



#50
 1,2-Dibromoethane
 Concen: 0.251 ug/L
 RT: 8.59 min Scan# 2306
 Delta R.T. 0.00 min
 Lab File: VU027873.D
 Acq: 30 Oct 2018 14:22

Tgt Ion:107 Resp: 1065
 Ion Ratio Lower Upper
 107 100
 109 94.1 68.0 126.4
 188 0.0 2.7 4.1#

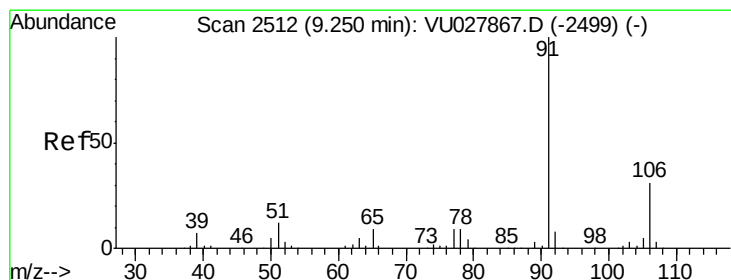
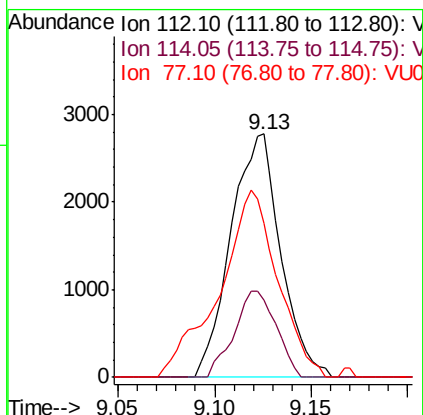
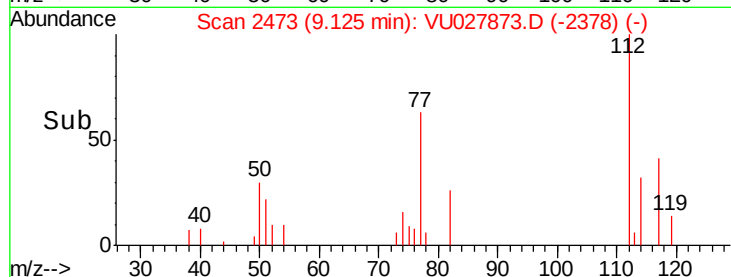
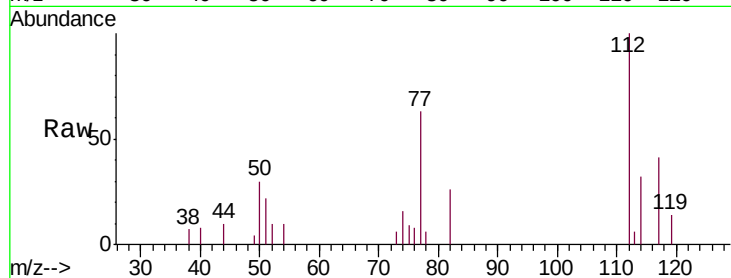




#51
Chlorobenzene
Concen: 0.303 ug/L
RT: 9.13 min Scan# 2473
Delta R.T. 0.01 min
Lab File: VU027873.D
Acq: 30 Oct 2018 14:22

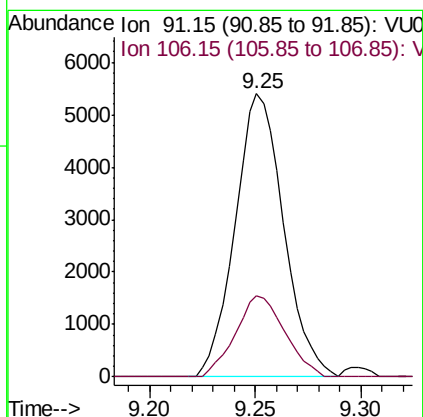
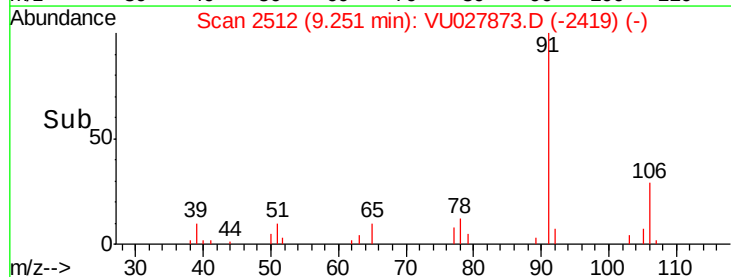
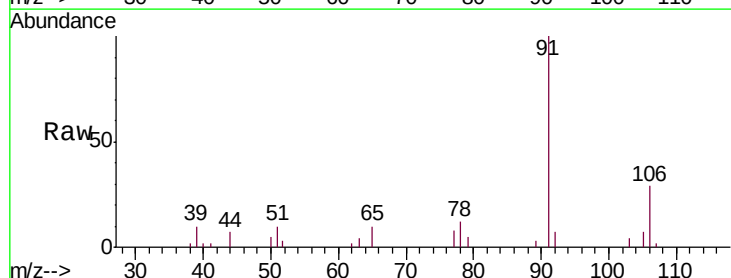
Instrument :
MSVOA_U
ClientSampleId :
MDL02

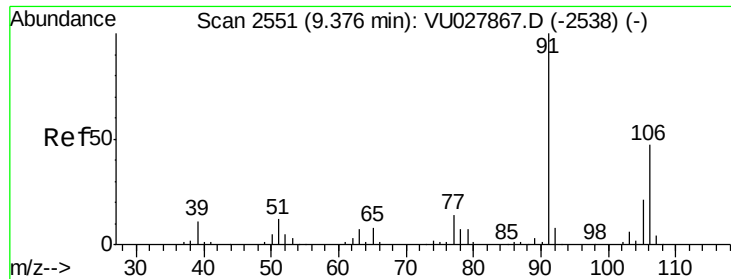
Tgt Ion: 112 Resp: 4984
Ion Ratio Lower Upper
112 100
114 31.9 22.0 41.0
77 63.4 54.3 81.5



#52
Ethylbenzene
Concen: 0.285 ug/L
RT: 9.25 min Scan# 2512
Delta R.T. 0.00 min
Lab File: VU027873.D
Acq: 30 Oct 2018 14:22

Tgt Ion: 91 Resp: 8614
Ion Ratio Lower Upper
91 100
106 28.8 21.5 39.9





#53

m,p-xylene

Concen: 0.282 ug/L

RT: 9.38 min Scan# 2552

Delta R.T. 0.00 min

Lab File: VU027873.D

Acq: 30 Oct 2018 14:22

Instrument :

MSVOA_U

ClientSampleId :

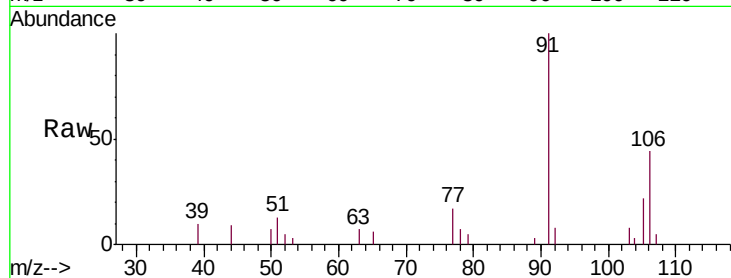
MDL02

Tgt Ion:106 Resp: 3082

Ion Ratio Lower Upper

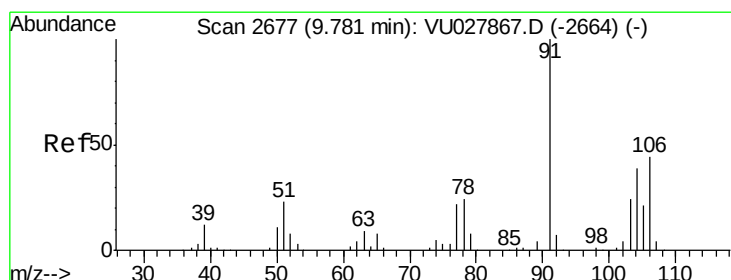
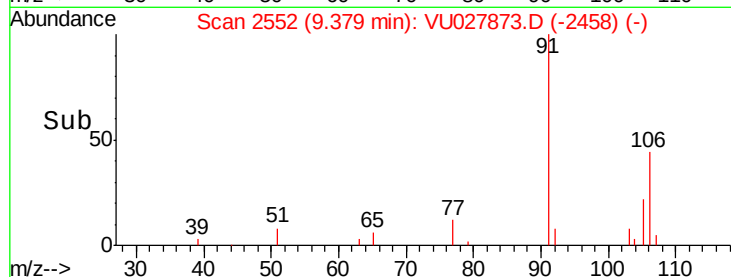
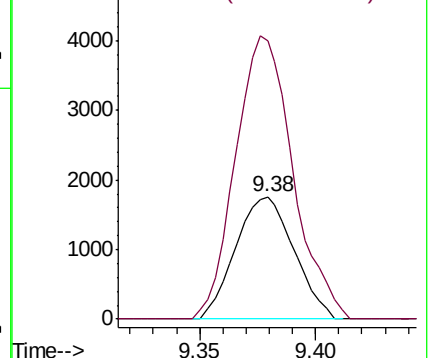
106 100

91 226.7 148.7 276.1



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VU0



#54

o-xylene

Concen: 0.252 ug/L

RT: 9.78 min Scan# 2678

Delta R.T. 0.00 min

Lab File: VU027873.D

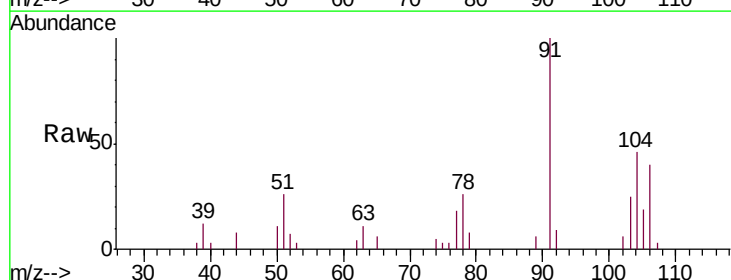
Acq: 30 Oct 2018 14:22

Tgt Ion:106 Resp: 2710

Ion Ratio Lower Upper

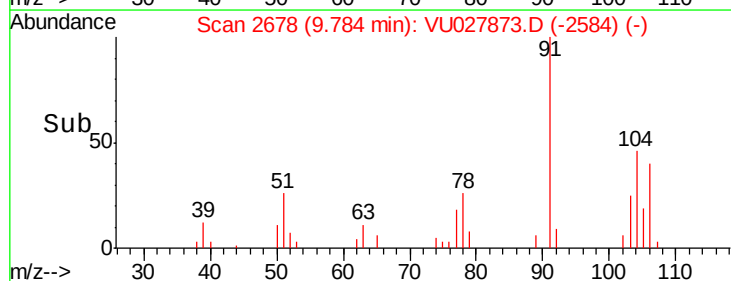
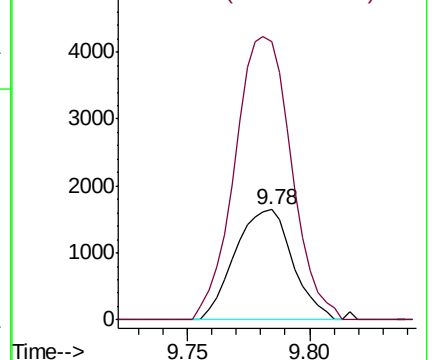
106 100

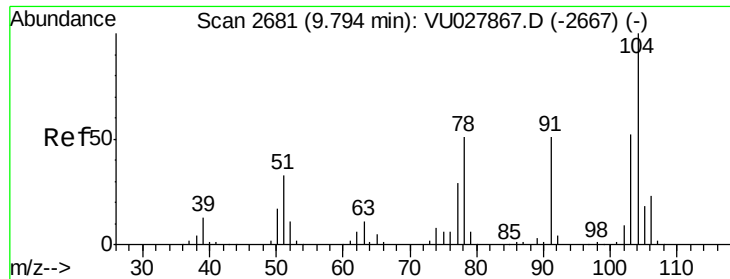
91 252.3 158.3 293.9



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VU0





#55

Styrene

Concen: 0.273 ug/L

RT: 9.79 min Scan# 2681

Delta R.T. 0.00 min

Lab File: VU027873.D

Acq: 30 Oct 2018 14:22

Instrument :

MSVOA_U

ClientSampled :

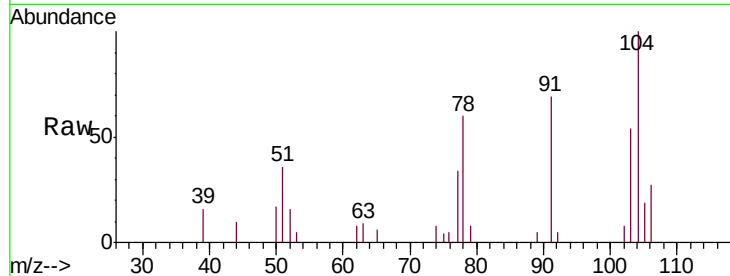
MDL02

Tgt Ion:104 Resp: 4912

Ion Ratio Lower Upper

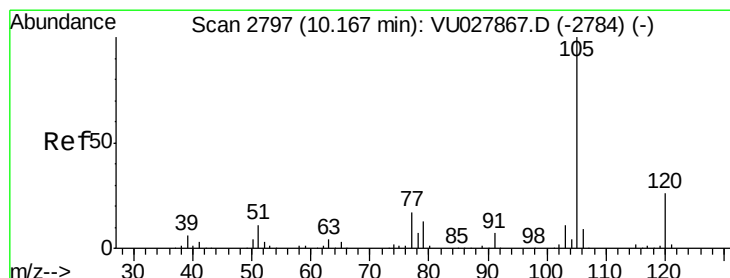
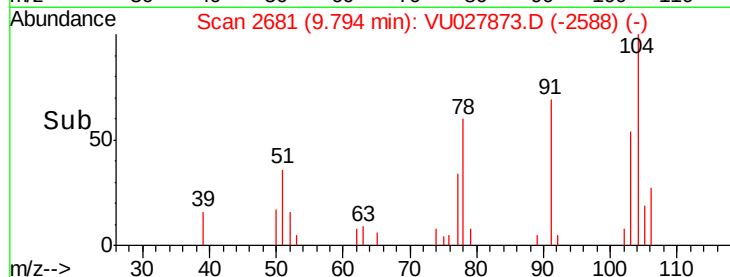
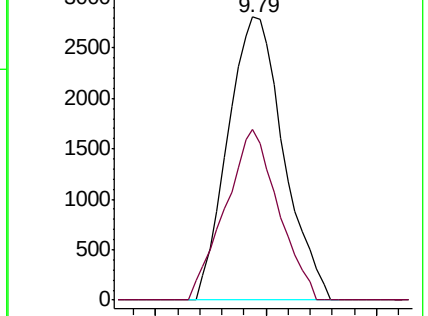
104 100

78 60.4 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: 0.286 ug/L

RT: 10.17 min Scan# 2797

Delta R.T. 0.00 min

Lab File: VU027873.D

Acq: 30 Oct 2018 14:22

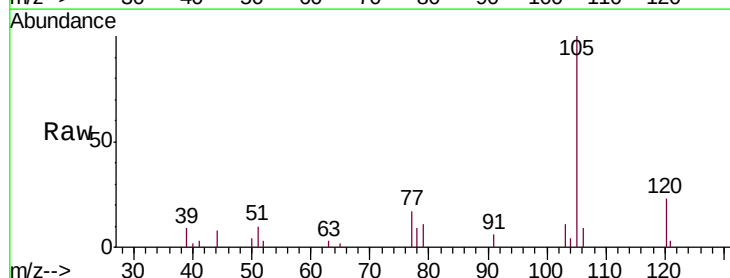
Tgt Ion:105 Resp: 8393

Ion Ratio Lower Upper

105 100

120 22.5 20.2 30.2

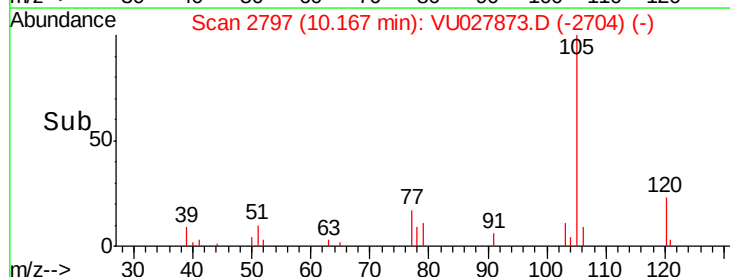
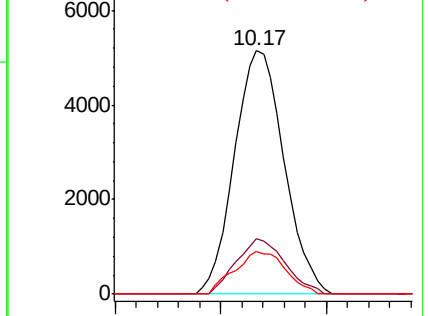
77 17.8 13.4 20.2

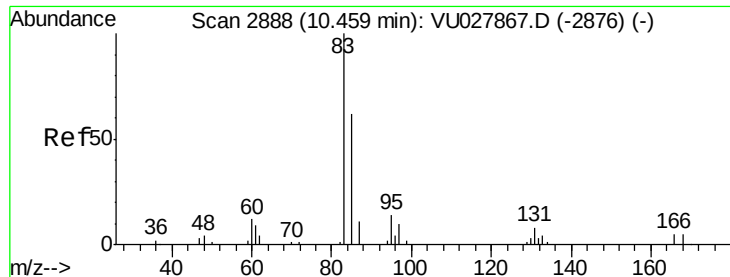


Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.10 (119.80 to 120.80): V

Ion 77.10 (76.80 to 77.80): VU0





#58

1,1,2,2-Tetrachloroethane

Concen: 0.283 ug/L

RT: 10.46 min Scan# 2888

Delta R.T. 0.00 min

Lab File: VU027873.D

Acq: 30 Oct 2018 14:22

Instrument :

MSVOA_U

ClientSampleId :

MDL02

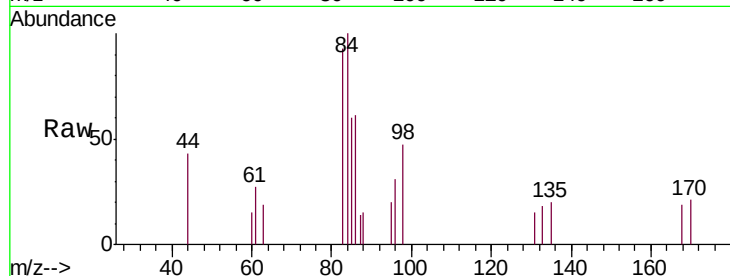
Tgt Ion: 83 Resp: 1637

Ion Ratio Lower Upper

83 100

85 65.3 44.4 82.4

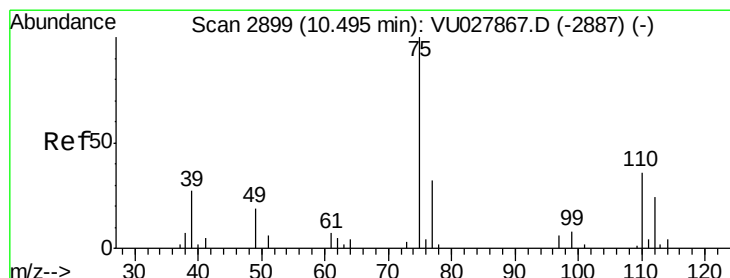
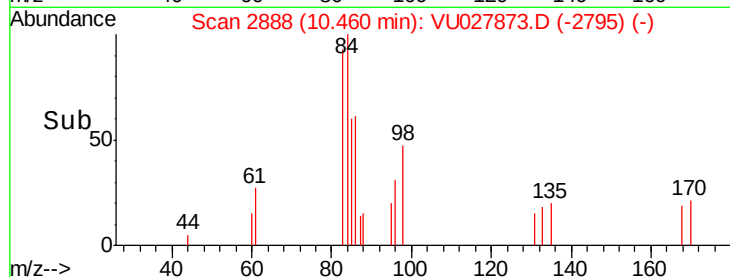
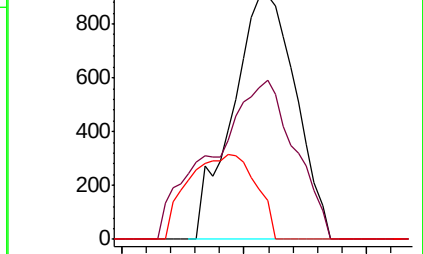
131 15.9 6.8 10.2#



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) (-)



#59

1,2,3-Trichloropropane

Concen: 0.256 ug/L

RT: 10.49 min Scan# 2899

Delta R.T. 0.00 min

Lab File: VU027873.D

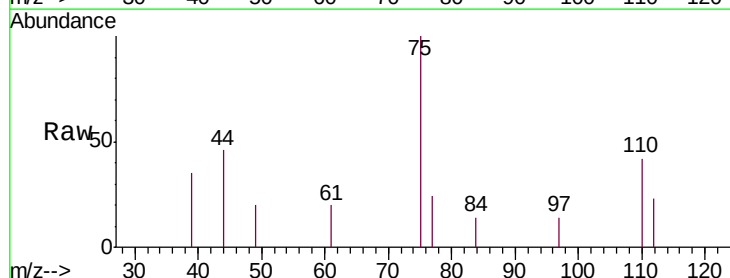
Acq: 30 Oct 2018 14:22

Tgt Ion: 75 Resp: 1120

Ion Ratio Lower Upper

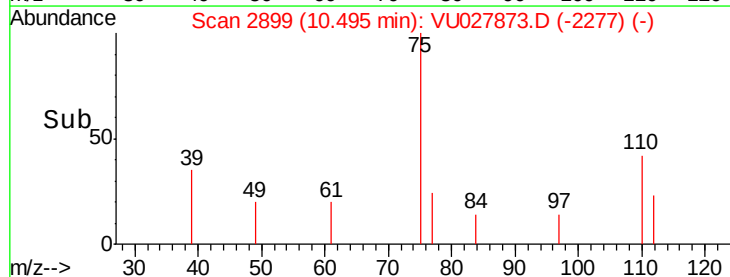
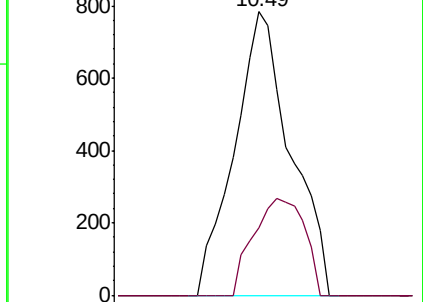
75 100

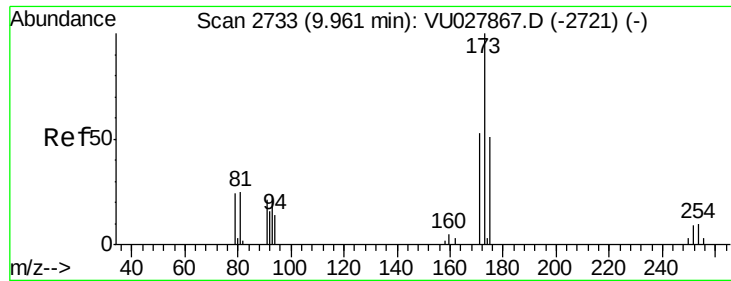
77 31.0 25.8 38.6



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

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

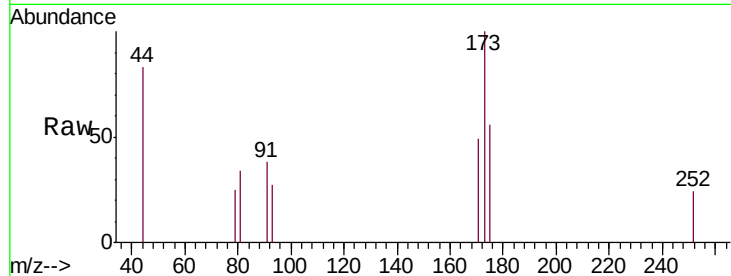




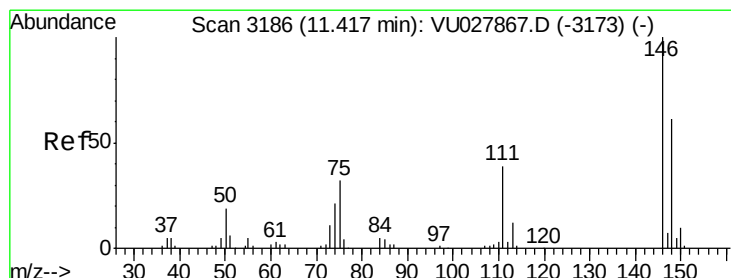
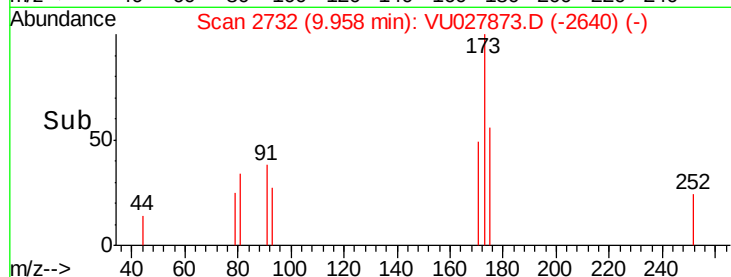
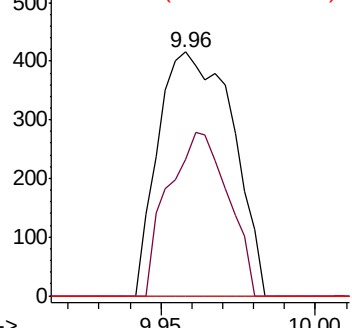
#61
Bromoform
Concen: 0.243 ug/L
RT: 9.96 min Scan# 2732
Delta R.T. -0.00 min
Lab File: VU027873.D
Acq: 30 Oct 2018 14:22

Instrument :
MSVOA_U
ClientSampled :
MDL02

Tgt Ion:173 Resp: 696
Ion Ratio Lower Upper
173 100
175 54.3 38.3 57.5
254 0.0 7.8 11.6#

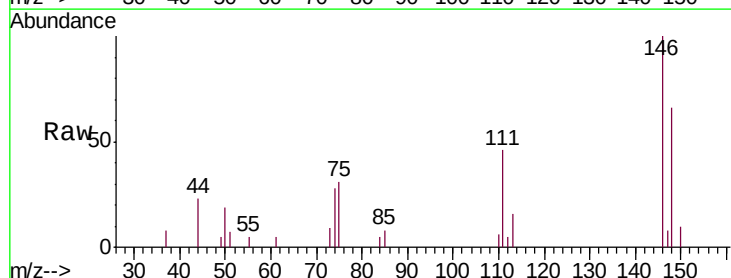


Abundance Ion 172.90 (172.60 to 173.60): V
Ion 174.90 (174.60 to 175.60): V
Ion 253.75 (253.45 to 254.45): V

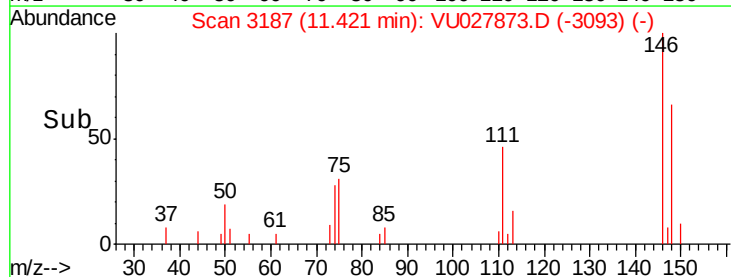
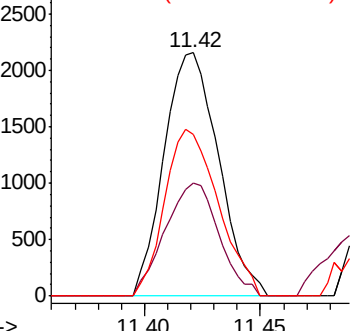


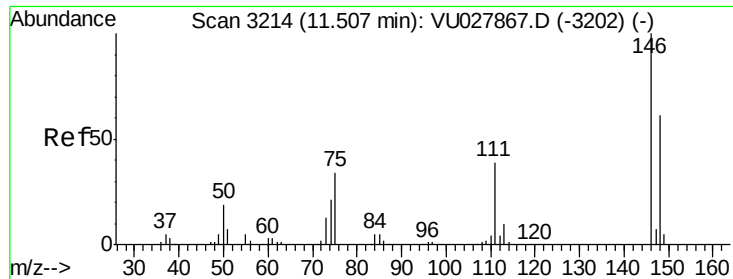
#62
1,3-Dichlorobenzene
Concen: 0.281 ug/L
RT: 11.42 min Scan# 3187
Delta R.T. 0.00 min
Lab File: VU027873.D
Acq: 30 Oct 2018 14:22

Tgt Ion:146 Resp: 3520
Ion Ratio Lower Upper
146 100
111 46.4 27.4 51.0
148 66.3 42.6 79.0



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

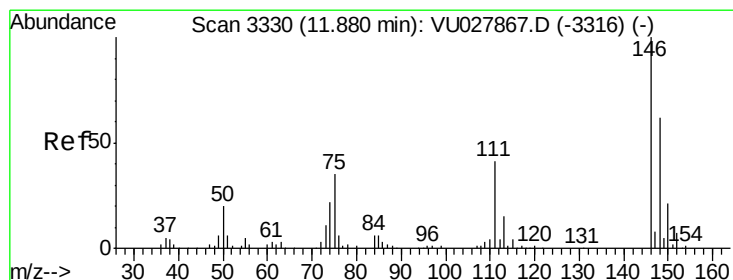
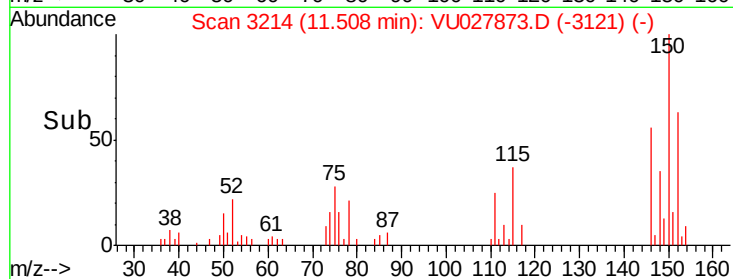
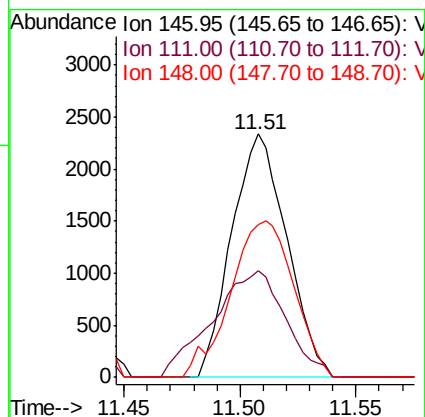
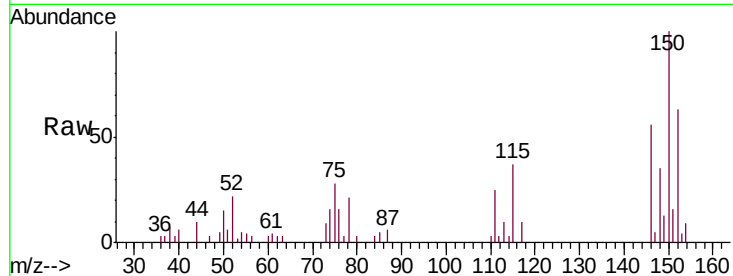




#63
 1,4-Dichlorobenzene
 Concen: 0.308 ug/L
 RT: 11.51 min Scan# 3214
 Delta R.T. 0.00 min
 Lab File: VU027873.D
 Acq: 30 Oct 2018 14:22

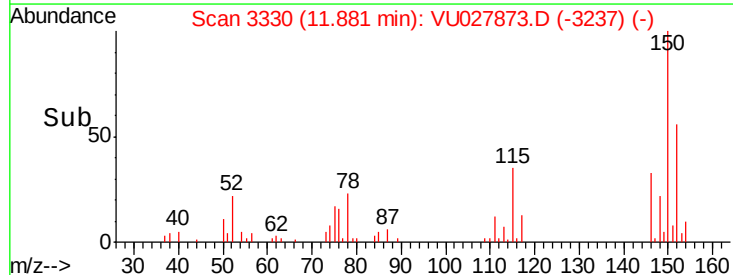
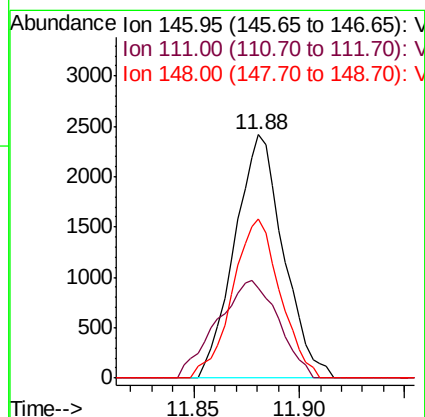
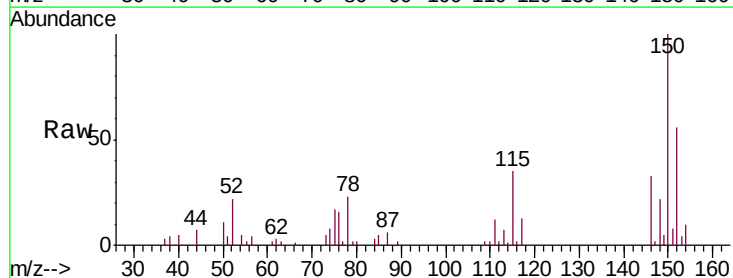
Instrument :
 MSVOA_U
 ClientSampleId :
 MDL02

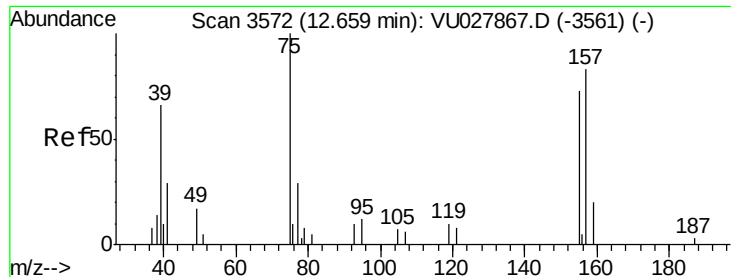
Tgt Ion:146 Resp: 3847
 Ion Ratio Lower Upper
 146 100
 111 43.8 27.4 51.0
 148 63.0 43.1 80.1



#65
 1,2-Dichlorobenzene
 Concen: 0.328 ug/L
 RT: 11.88 min Scan# 3330
 Delta R.T. 0.00 min
 Lab File: VU027873.D
 Acq: 30 Oct 2018 14:22

Tgt Ion:146 Resp: 3873
 Ion Ratio Lower Upper
 146 100
 111 37.0 33.0 49.4
 148 65.5 49.2 73.8

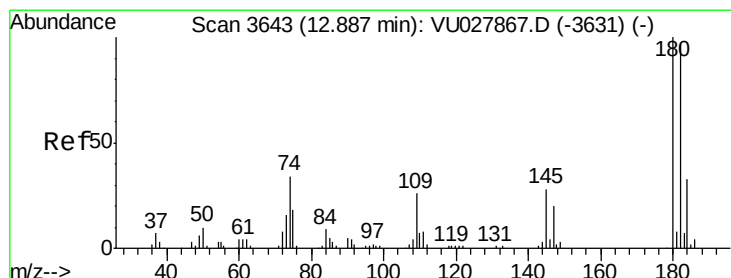
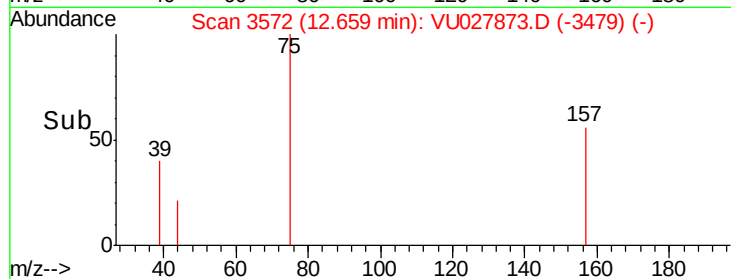
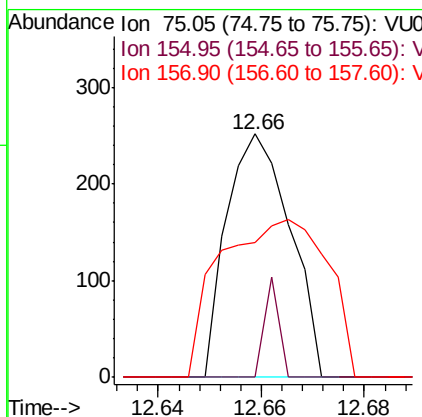
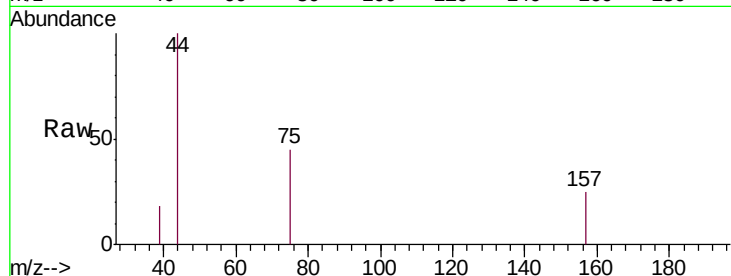




#66
 1,2-Dibromo-3-chloropropane
 Concen: 0.231 ug/L
 RT: 12.66 min Scan# 3572
 Delta R.T. 0.00 min
 Lab File: VU027873.D
 Acq: 30 Oct 2018 14:22

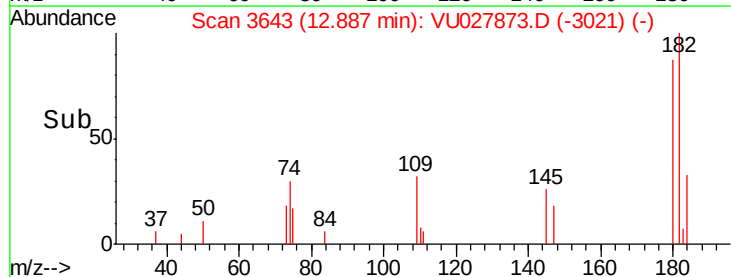
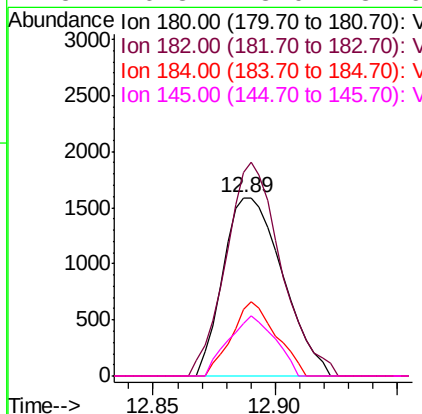
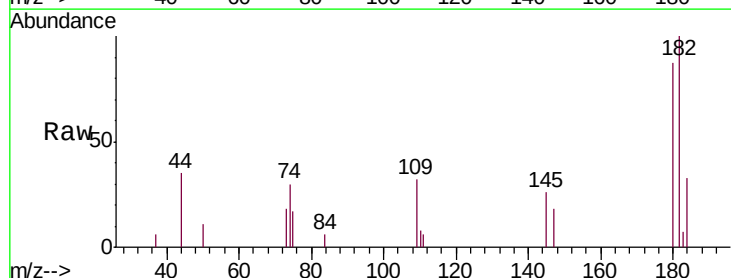
Instrument :
 MSVOA_U
 ClientSampleId :
 MDL02

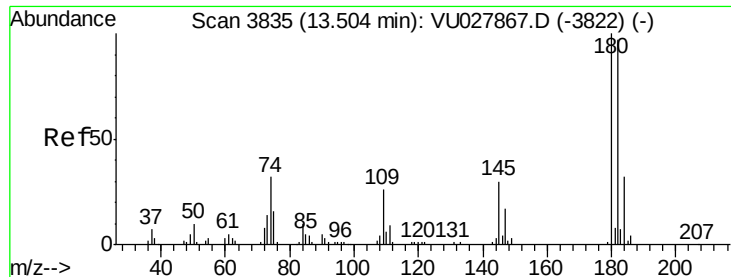
Tgt Ion: 75 Resp: 214
 Ion Ratio Lower Upper
 75 100
 155 0.0 58.6 87.8#
 157 55.6 66.7 100.1#



#67
 1,3,5-Trichlorobenzene
 Concen: 0.268 ug/L
 RT: 12.89 min Scan# 3643
 Delta R.T. 0.00 min
 Lab File: VU027873.D
 Acq: 30 Oct 2018 14:22

Tgt Ion: 180 Resp: 2696
 Ion Ratio Lower Upper
 180 100
 182 110.9 77.3 115.9
 184 30.9 24.6 37.0
 145 26.3 23.0 34.6

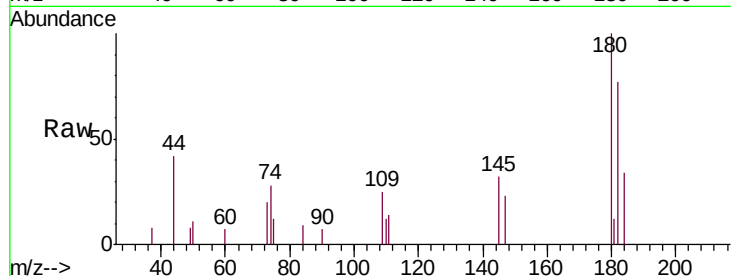




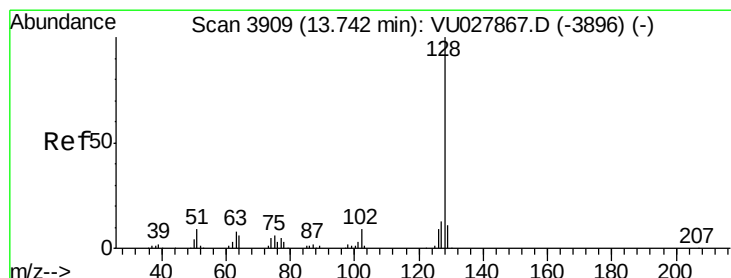
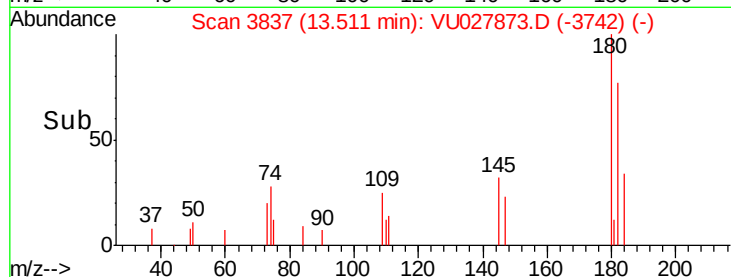
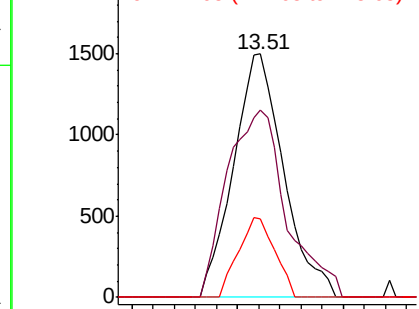
#68
 1,2,4-trichlorobenzene
 Concen: 0.290 ug/L
 RT: 13.51 min Scan# 3837
 Delta R.T. 0.01 min
 Lab File: VU027873.D
 Acq: 30 Oct 2018 14:22

Instrument :
 MSVOA_U
 ClientSampleId :
 MDL02

Tgt Ion:180 Resp: 2479
 Ion Ratio Lower Upper
 180 100
 182 90.9 77.8 116.6
 145 23.8 22.9 34.3

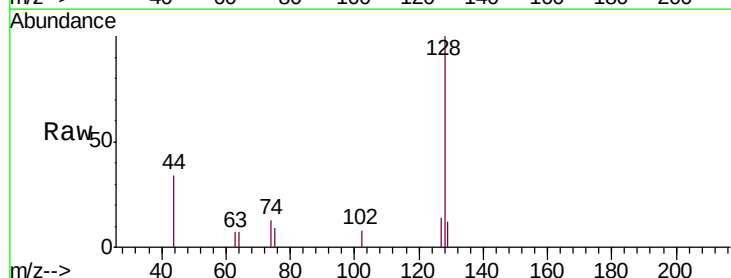


Abundance Ion 179.90 (179.60 to 180.60): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 144.95 (144.65 to 145.65): V

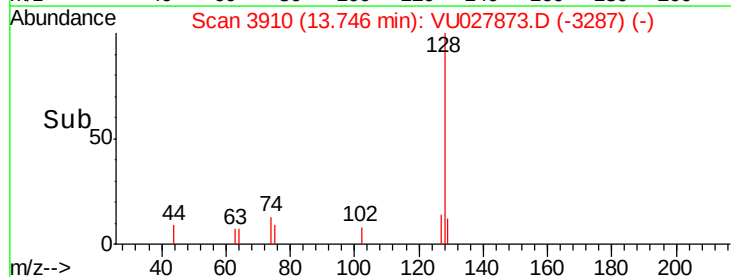
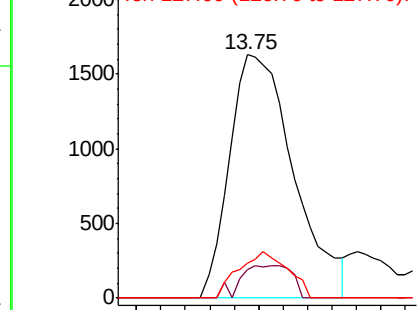


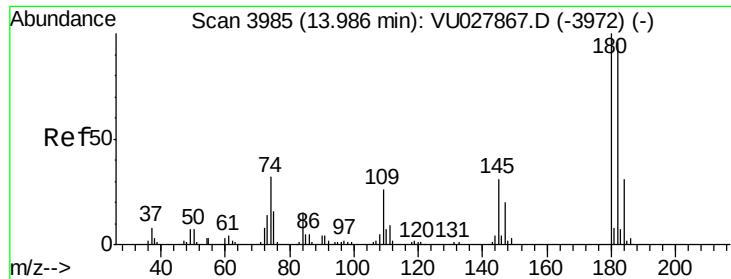
#69
 Naphthalene
 Concen: 0.224 ug/L
 RT: 13.75 min Scan# 3910
 Delta R.T. 0.00 min
 Lab File: VU027873.D
 Acq: 30 Oct 2018 14:22

Tgt Ion:128 Resp: 2977
 Ion Ratio Lower Upper
 128 100
 129 10.6 8.6 12.8
 127 14.5 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

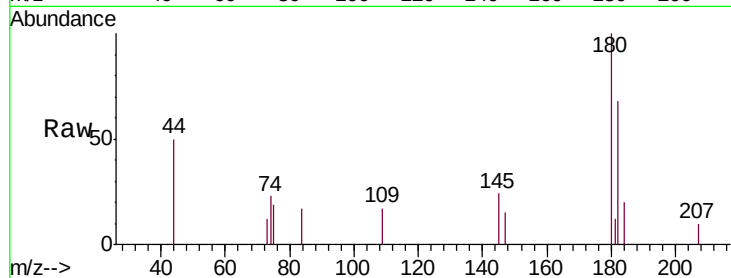




#70
 1,2,3-Trichlorobenzene
 Concen: 0.320 ug/L
 RT: 14.00 min Scan# 3988
 Delta R.T. 0.01 min
 Lab File: VU027873.D
 Acq: 30 Oct 2018 14:22

Instrument :
 MSVOA_U
 ClientSampleId :
 MDL02

Tgt Ion	Ratio	Lower	Upper
180	100		
182	84.8	79.4	119.0
145	23.6	25.4	38.0



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

