

Data File : VU027785.D
Acq On : 24 Oct 2018 14:59
Operator : MD/SY
Sample : MDL02
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
MDL02

Quant Time: Oct 25 04:41:15 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR102418WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Thu Oct 25 04:31:14 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.89	114	40169	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	38866	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	19637	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	15920	4.86	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	97.20%
7) Chloroethane-d5	1.69	69	11581	4.67	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	93.40%
11) 1,1-Dichloroethene-d2	2.28	63	23736	3.79	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	75.80%
20) 2-Butanone-d5	4.21	46	51685	51.91	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	103.82%
24) Chloroform-d	4.65	84	28421	4.87	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	97.40%
26) 1,2-Dichloroethane-d4	5.32	65	17564	5.05	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	101.00%
32) Benzene-d6	5.34	84	54565	5.27	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	105.40%
36) 1,2-Dichloropropane-d6	6.34	67	19464	5.29	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	105.80%
41) Toluene-d8	7.57	98	50625	5.12	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	102.40%
43) trans-1,3-Dichloropropene-	7.85	79	7677	5.14	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	102.80%
46) 2-Hexanone-d5	8.32	63	43241	52.52	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	105.04%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	14125	5.05	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	101.00%
64) 1,2-Dichlorobenzene-d4	11.86	152	18649	5.04	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	100.80%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.21	85	1480	0.380 ug/L	96
3) Chloromethane	1.33	50	1739	0.398 ug/L	96
5) Vinyl chloride	1.40	62	1688	0.401 ug/L #	65
6) Bromomethane	1.64	94	856	0.397 ug/L	95
8) Chloroethane	1.70	64	976	0.429 ug/L	97
9) Trichlorofluoromethane	1.89	101	2132	0.383 ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.30	101	1224	0.436 ug/L #	90
12) 1,1-Dichloroethene	2.29	96	1096	0.419 ug/L #	1
13) Acetone	2.35	43	3554	4.952 ug/L	88
14) Carbon disulfide	2.49	76	3382	0.376 ug/L	98
15) Methyl Acetate	2.62	43	921	0.459 ug/L #	66
16) Methylene chloride	2.71	84	1609	0.521 ug/L	86
17) Methyl tert-butyl Ether	3.02	73	3454	0.412 ug/L #	88
18) trans-1,2-Dichloroethene	2.99	96	1020	0.364 ug/L #	65
19) 1,1-Dichloroethane	3.45	63	2274	0.367 ug/L	96
21) 2-Butanone	4.30	43	4929	4.186 ug/L #	75
22) cis-1,2-Dichloroethene	4.23	96	1068	0.320 ug/L	91

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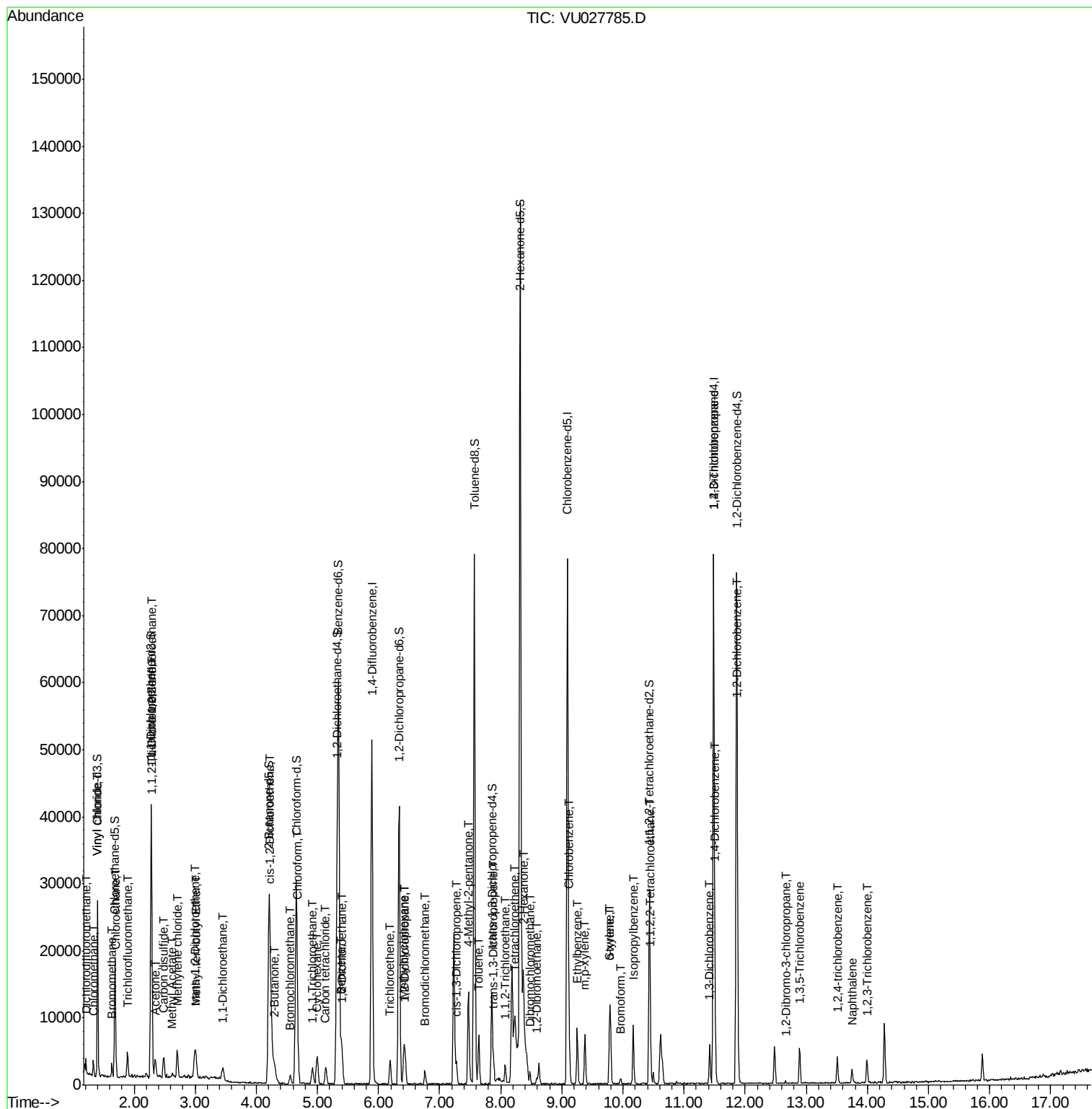
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.55	128	323	0.239	ug/L #	92
25) Chloroform	4.68	83	2715	0.435	ug/L	94
27) 1,2-Dichloroethane	5.41	62	1771	0.384	ug/L #	79
29) 1,1,1-Trichloroethane	4.92	97	2194	0.392	ug/L	91
30) Cyclohexane	5.00	56	2210	0.353	ug/L #	95
31) Carbon tetrachloride	5.13	117	1894	0.395	ug/L #	46
33) Benzene	5.39	78	5119	0.396	ug/L	100
34) Trichloroethene	6.19	95	1225	0.366	ug/L	86
35) Methylcyclohexane	6.42	83	2302	0.412	ug/L	93
37) 1,2-Dichloropropane	6.44	63	1541	0.406	ug/L #	90
38) Bromodichloromethane	6.76	83	1579	0.349	ug/L #	93
39) cis-1,3-Dichloropropene	7.28	75	2018	0.372	ug/L	87
40) 4-Methyl-2-pentanone	7.47	43	11378	4.013	ug/L	93
42) Toluene	7.64	91	5448	0.392	ug/L	91
44) trans-1,3-Dichloropropene	7.88	75	1822	0.398	ug/L	92
45) 1,1,2-Trichloroethane	8.07	97	907	0.396	ug/L	92
47) Tetrachloroethene	8.23	164	1062	0.391	ug/L	86
48) 2-Hexanone	8.37	43	8604	4.271	ug/L	98
49) Dibromochloromethane	8.48	129	1010	0.346	ug/L	94
50) 1,2-Dibromoethane	8.59	107	804	0.361	ug/L #	77
51) Chlorobenzene	9.12	112	3365	0.393	ug/L	89
52) Ethylbenzene	9.25	91	6089	0.378	ug/L	97
53) m,p-xylene	9.38	106	2120	0.371	ug/L	87
54) o-xylene	9.78	106	2141	0.384	ug/L	85
55) Styrene	9.80	104	3530	0.373	ug/L	93
56) Isopropylbenzene	10.17	105	5921	0.383	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.46	83	1260	0.419	ug/L #	84
59) 1,2,3-Trichloropropane	11.48	75	3534	1.480	ug/L	90
61) Bromoform	9.96	173	590	0.357	ug/L #	79
62) 1,3-Dichlorobenzene	11.42	146	2771	0.401	ug/L	95
63) 1,4-Dichlorobenzene	11.51	146	2701	0.387	ug/L	89
65) 1,2-Dichlorobenzene	11.88	146	2735	0.421	ug/L	96
66) 1,2-Dibromo-3-chloropropan	12.66	75	168	0.325	ug/L #	13
67) 1,3,5-Trichlorobenzene	12.89	180	1912	0.345	ug/L	91
68) 1,2,4-trichlorobenzene	13.51	180	1626	0.338	ug/L	94
69) Naphthalene	13.75	128	2561	0.328	ug/L #	85
70) 1,2,3-Trichlorobenzene	13.99	180	1434	0.323	ug/L	93

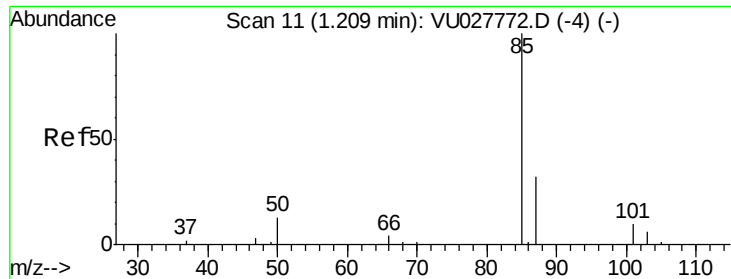
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 0.380 ug/L

RT: 1.21 min Scan# 11

Delta R.T. 0.00 min

Lab File: VU027785.D

Acq: 24 Oct 2018 14:59

Instrument :

MSVOA_U

ClientSampleId :

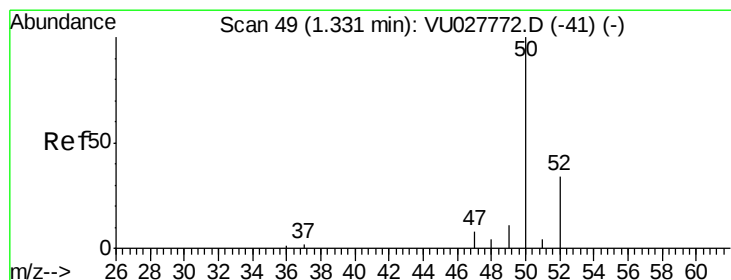
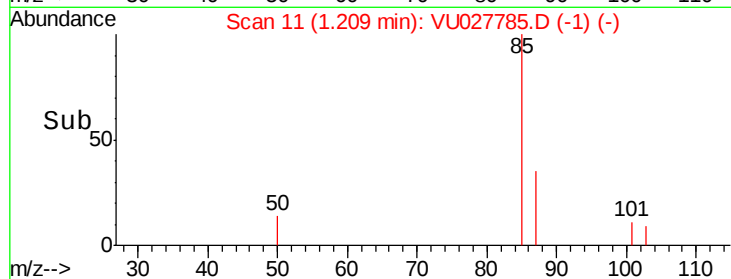
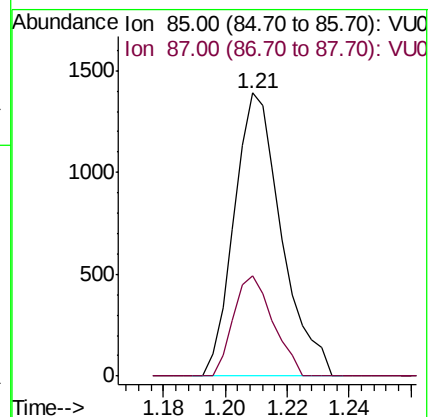
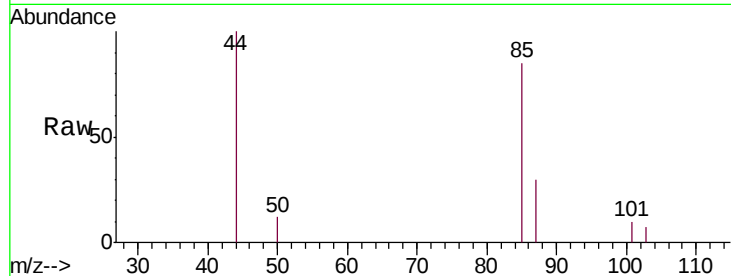
MDL02

Tgt Ion: 85 Resp: 1480

Ion Ratio Lower Upper

85 100

87 29.5 25.4 38.0



#3

Chloromethane

Concen: 0.398 ug/L

RT: 1.33 min Scan# 49

Delta R.T. 0.00 min

Lab File: VU027785.D

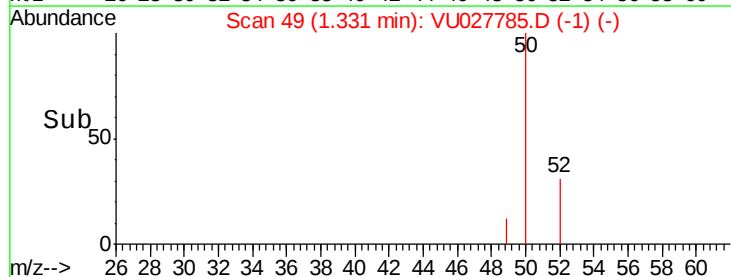
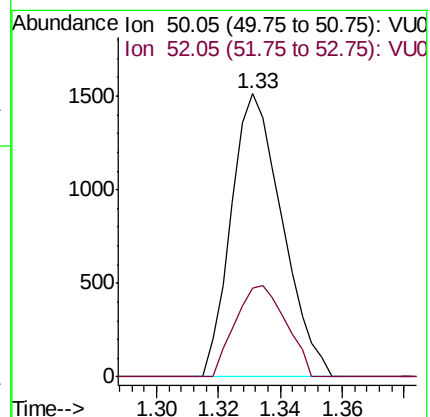
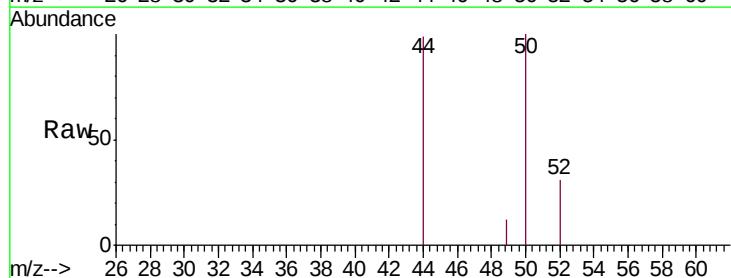
Acq: 24 Oct 2018 14:59

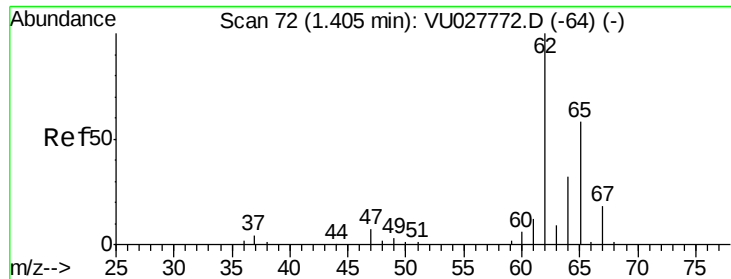
Tgt Ion: 50 Resp: 1739

Ion Ratio Lower Upper

50 100

52 31.5 23.7 43.9





#5

Vinyl chloride

Concen: 0.401 ug/L

RT: 1.40 min Scan# 72

Delta R.T. 0.00 min

Lab File: VU027785.D

Acq: 24 Oct 2018 14:59

Instrument :

MSVOA_U

ClientSampleId :

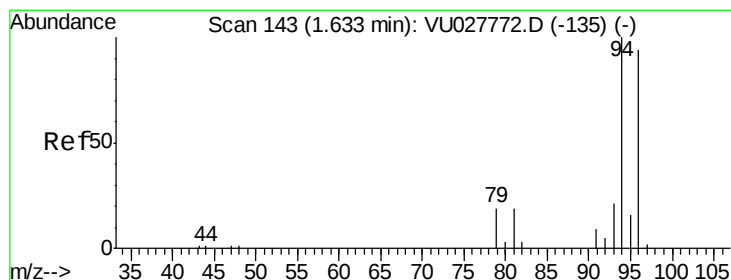
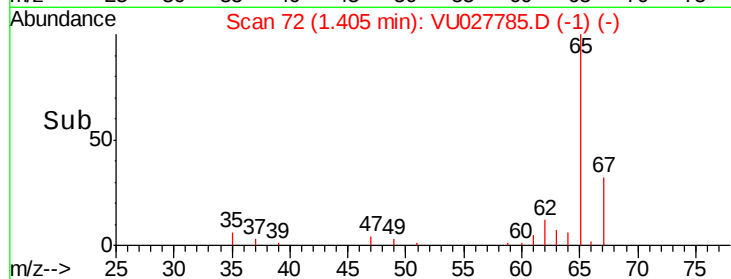
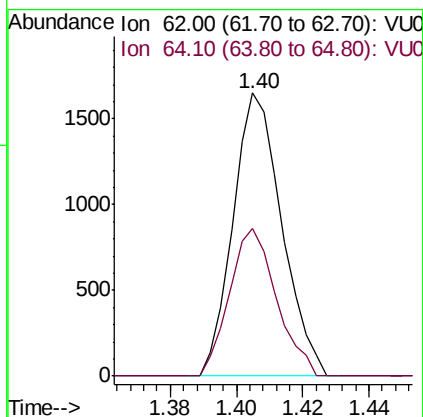
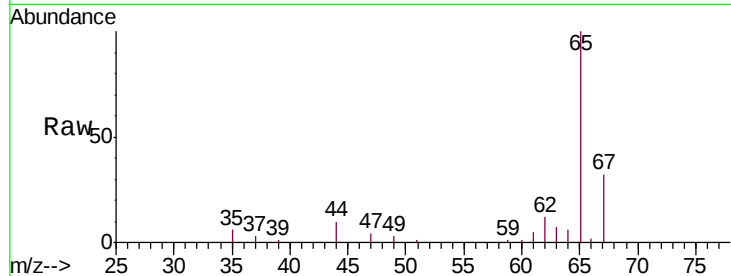
MDL02

Tgt Ion: 62 Resp: 1688

Ion Ratio Lower Upper

62 100

64 52.3 22.7 42.1#



#6

Bromomethane

Concen: 0.397 ug/L

RT: 1.64 min Scan# 144

Delta R.T. 0.00 min

Lab File: VU027785.D

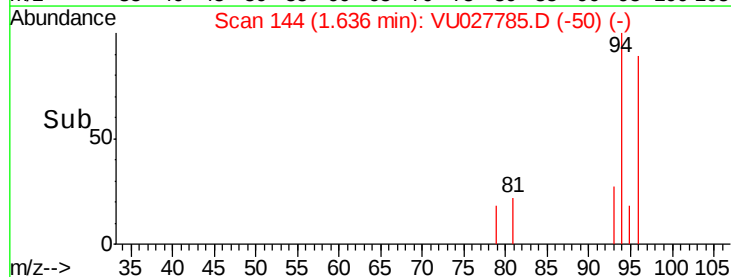
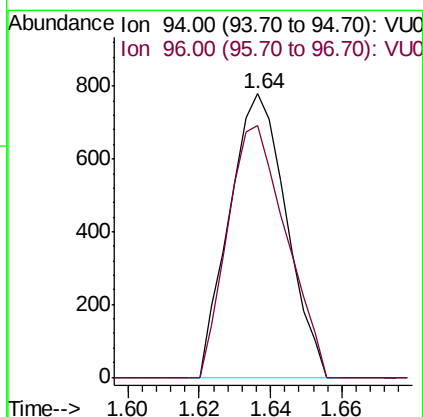
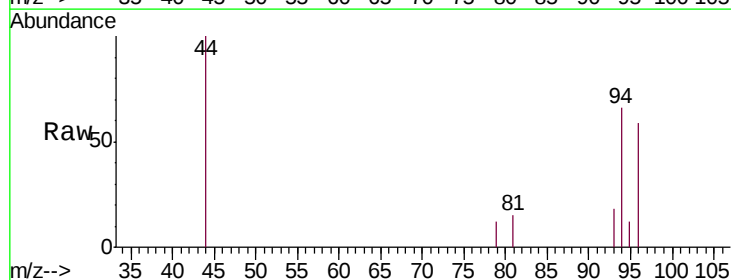
Acq: 24 Oct 2018 14:59

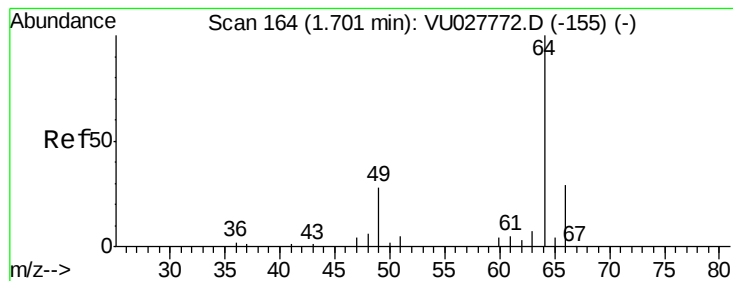
Tgt Ion: 94 Resp: 856

Ion Ratio Lower Upper

94 100

96 88.8 65.5 121.7





#8

Chloroethane

Concen: 0.429 ug/L

RT: 1.70 min Scan# 165

Delta R.T. 0.00 min

Lab File: VU027785.D

Acq: 24 Oct 2018 14:59

Instrument :

MSVOA_U

ClientSampleId :

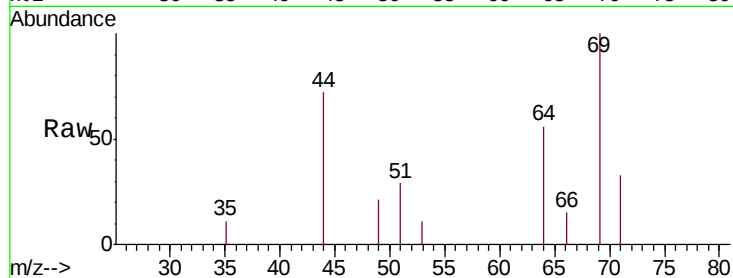
MDL02

Tgt Ion: 64 Resp: 976

Ion Ratio Lower Upper

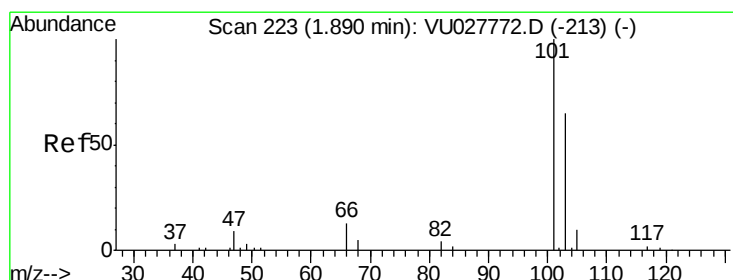
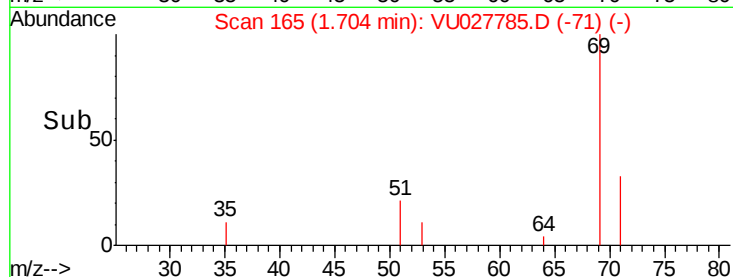
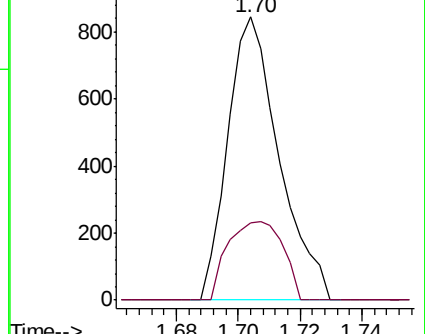
64 100

66 27.1 20.3 37.7



Abundance Ion 64.10 (63.80 to 64.80): VU027772.D (-155) (-)

Ion 66.05 (65.75 to 66.75): VU027772.D (-155) (-)



#9

Trichlorofluoromethane

Concen: 0.383 ug/L

RT: 1.89 min Scan# 224

Delta R.T. 0.00 min

Lab File: VU027785.D

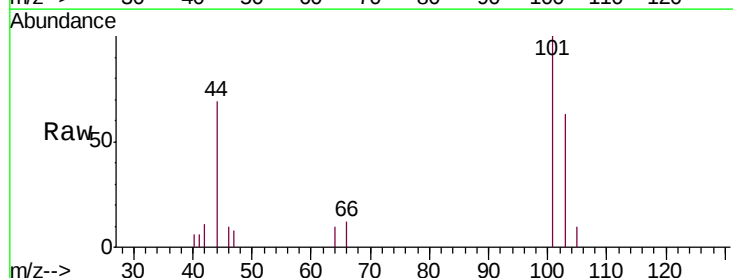
Acq: 24 Oct 2018 14:59

Tgt Ion: 101 Resp: 2132

Ion Ratio Lower Upper

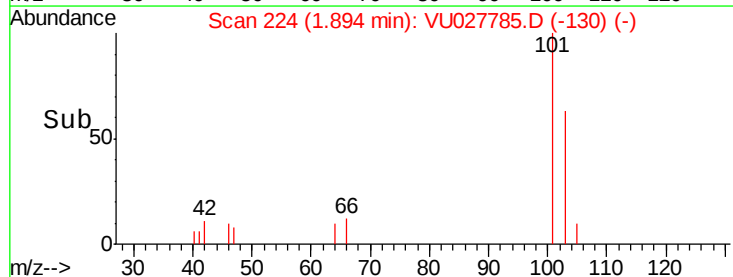
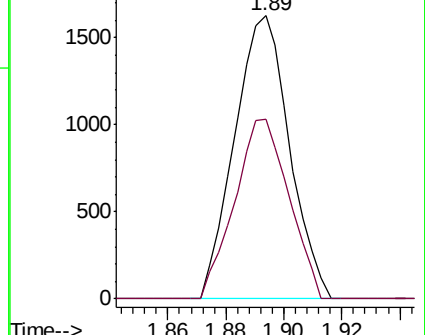
101 100

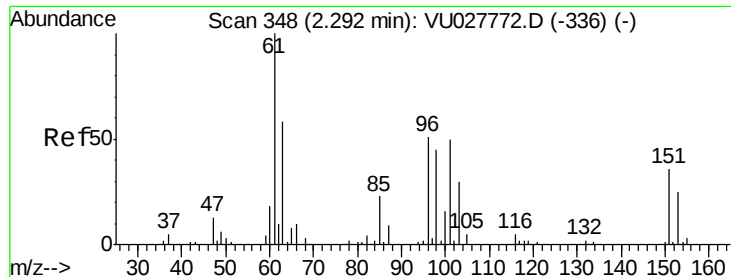
103 62.8 51.0 76.4



Abundance Ion 101.00 (100.70 to 101.70): VU027772.D (-213) (-)

Ion 103.00 (102.70 to 103.70): VU027772.D (-213) (-)





#10

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

Concen: 0.436 ug/L

RT: 2.30 min Scan# 349

Delta R.T. 0.00 min

Lab File: VU027785.D

Acq: 24 Oct 2018 14:59

Instrument :

MSVOA_U

ClientSampled :

MDL02

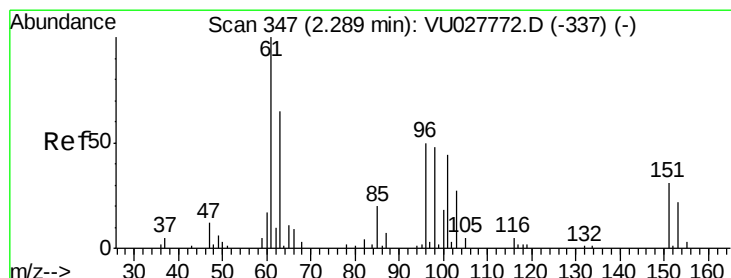
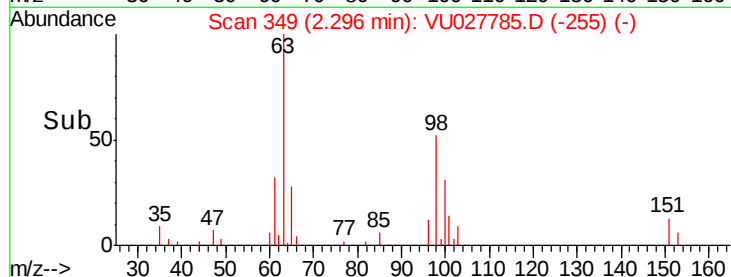
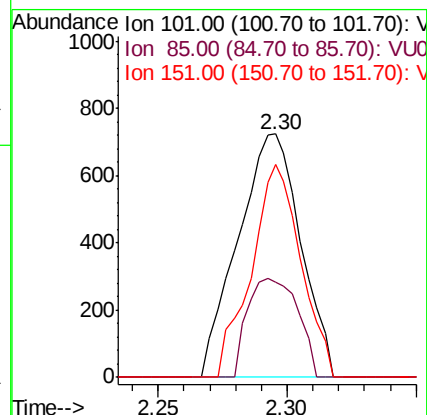
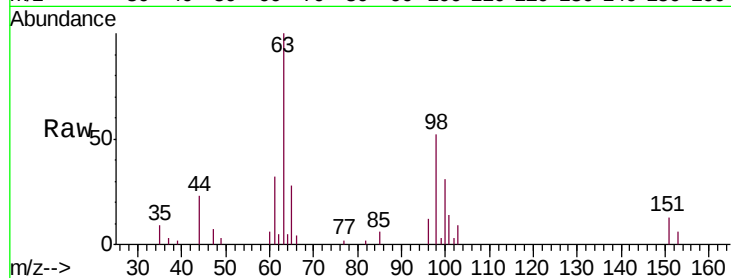
Tgt Ion: 101 Resp: 1224

Ion Ratio Lower Upper

101 100

85 32.6 38.1 57.1#

151 69.4 57.0 85.4



#12

1,1-Dichloroethene

Concen: 0.419 ug/L

RT: 2.29 min Scan# 348

Delta R.T. 0.00 min

Lab File: VU027785.D

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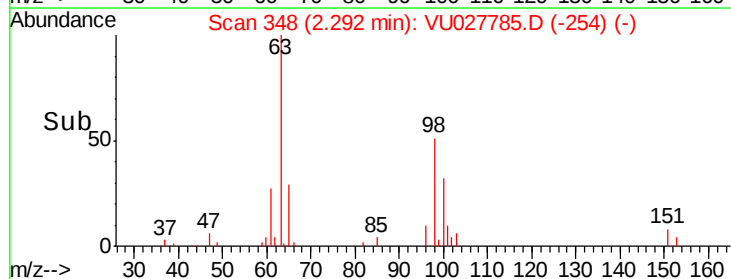
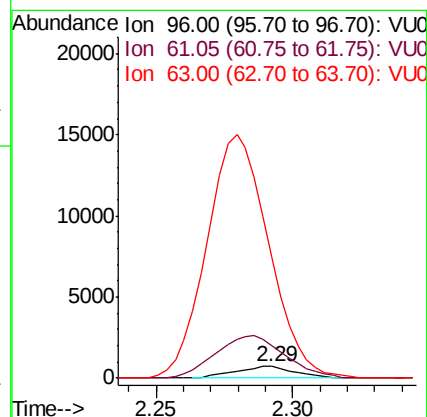
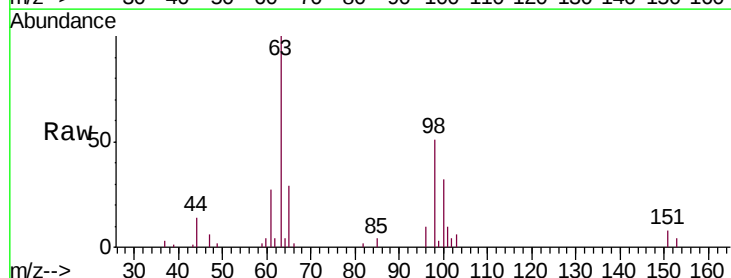
Tgt Ion: 96 Resp: 1096

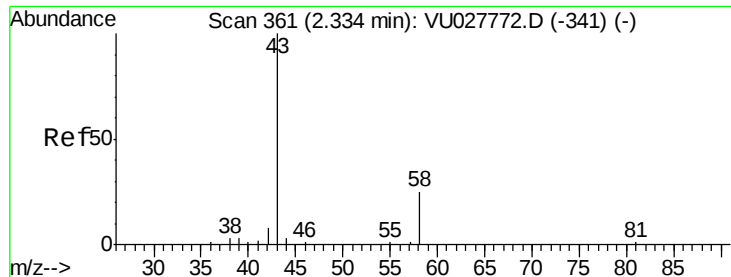
Ion Ratio Lower Upper

96 100

61 276.4 143.8 267.0#

63 1014.9 105.1 195.3#





#13

Acetone

Concen: 4.952 ug/L

RT: 2.35 min Scan# 365

Delta R.T. 0.01 min

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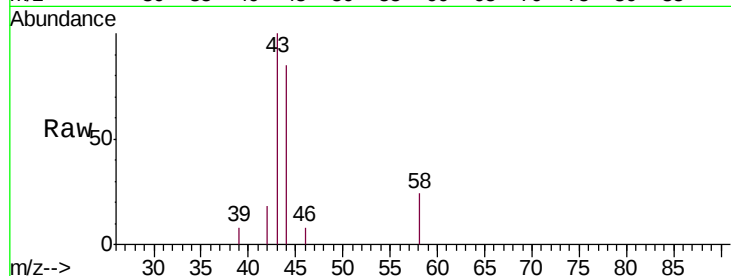
MDL02

Tgt Ion: 43 Resp: 3554

Ion Ratio Lower Upper

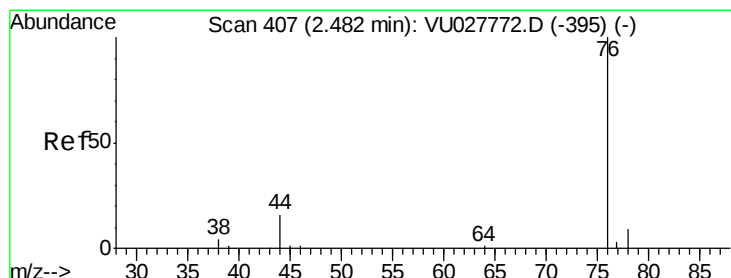
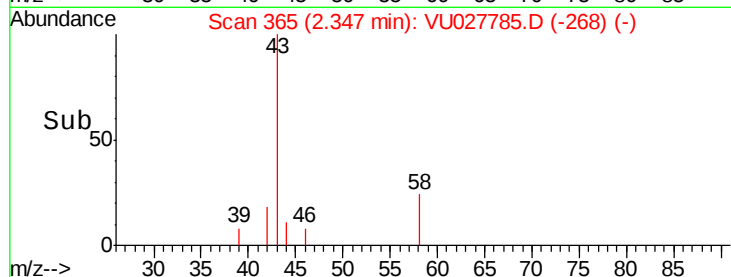
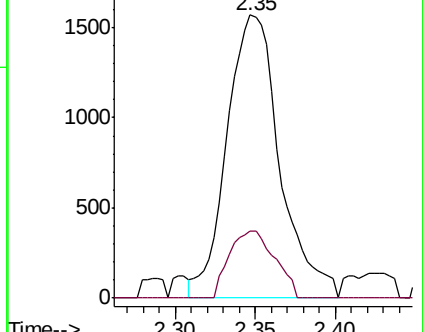
43 100

58 20.3 0.0 52.8



Abundance Ion 43.05 (42.75 to 43.75): VU027772.D (-341) (-)

Ion 58.05 (57.75 to 58.75): VU027772.D (-341) (-)



#14

Carbon disulfide

Concen: 0.376 ug/L

RT: 2.49 min Scan# 408

Delta R.T. 0.00 min

Lab File: VU027785.D

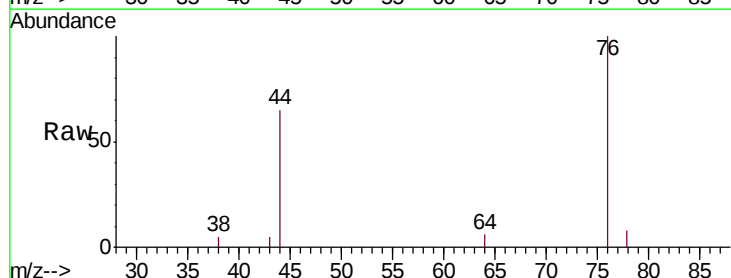
Acq: 24 Oct 2018 14:59

Tgt Ion: 76 Resp: 3382

Ion Ratio Lower Upper

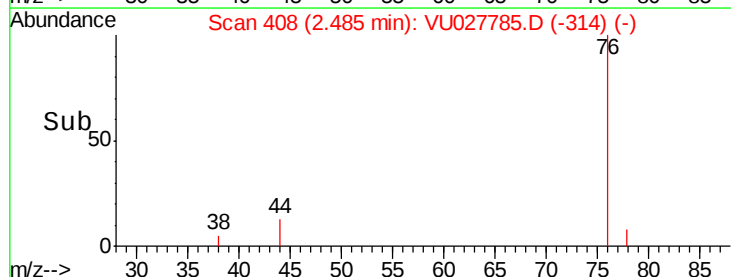
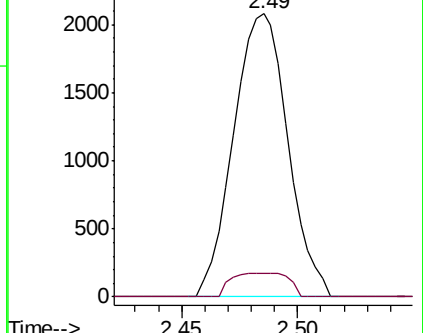
76 100

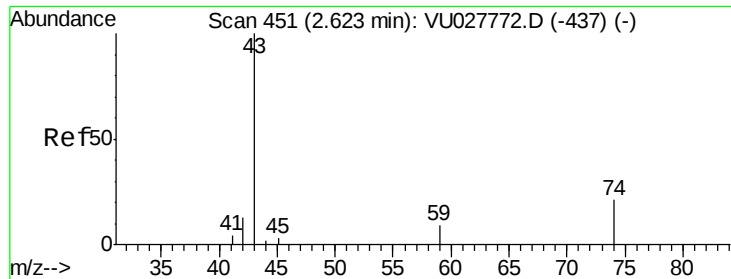
78 8.4 7.4 11.0



Abundance Ion 76.05 (75.75 to 76.75): VU027772.D (-395) (-)

Ion 78.00 (77.70 to 78.70): VU027772.D (-395) (-)

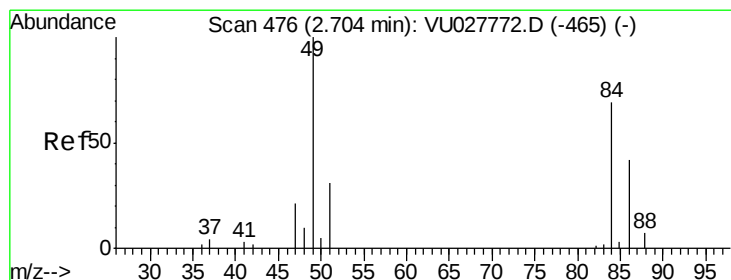
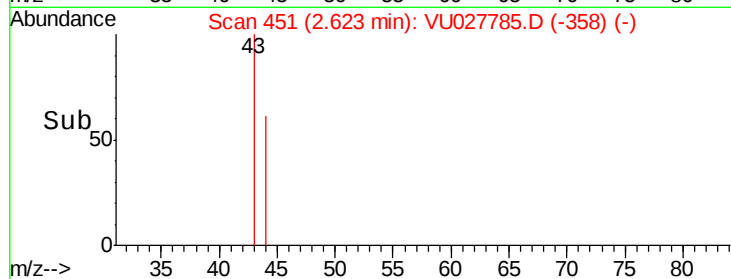
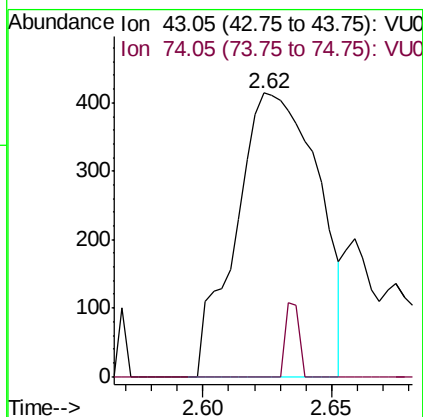
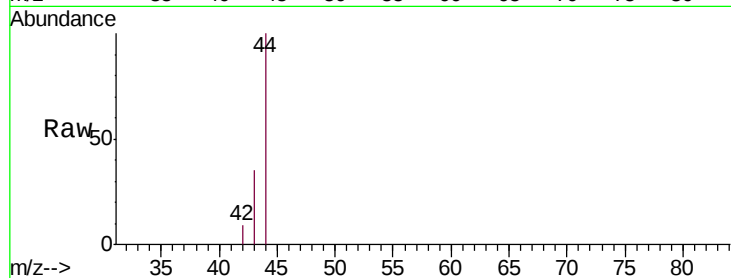




#15
Methyl Acetate
Concen: 0.459 ug/L
RT: 2.62 min Scan# 451
Delta R.T. 0.00 min
Lab File: VU027785.D
Acq: 24 Oct 2018 14:59

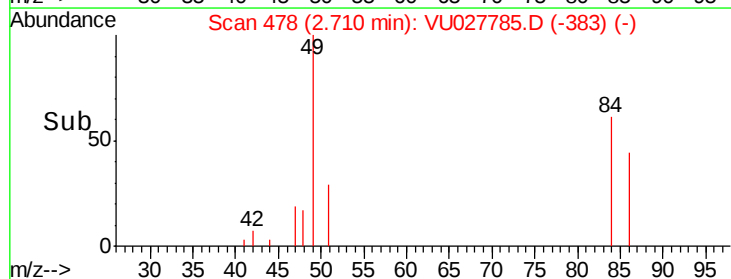
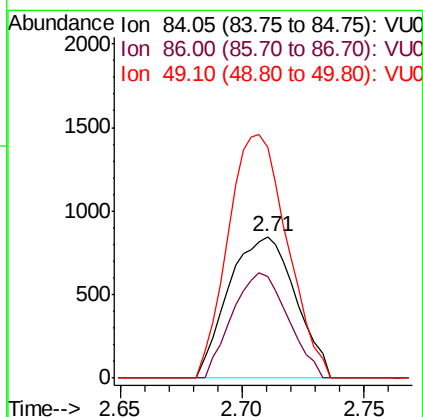
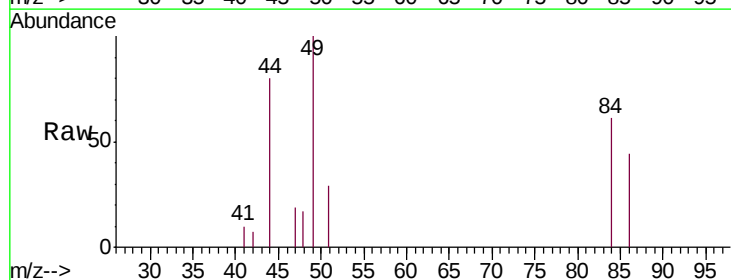
Instrument :
MSVOA_U
ClientSampled :
MDL02

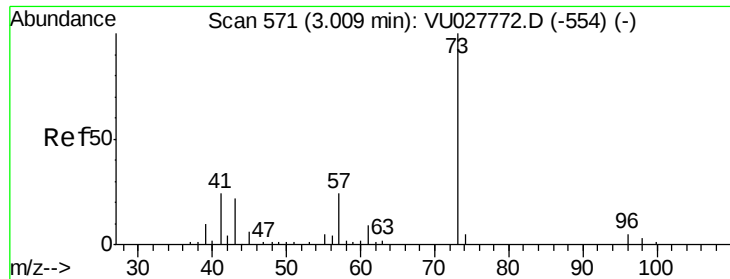
Tgt Ion: 43 Resp: 921
Ion Ratio Lower Upper
43 100
74 4.5 15.8 23.8#



#16
Methylene chloride
Concen: 0.521 ug/L
RT: 2.71 min Scan# 478
Delta R.T. 0.01 min
Lab File: VU027785.D
Acq: 24 Oct 2018 14:59

Tgt Ion: 84 Resp: 1609
Ion Ratio Lower Upper
84 100
86 71.4 42.8 79.4
49 163.0 101.4 188.4

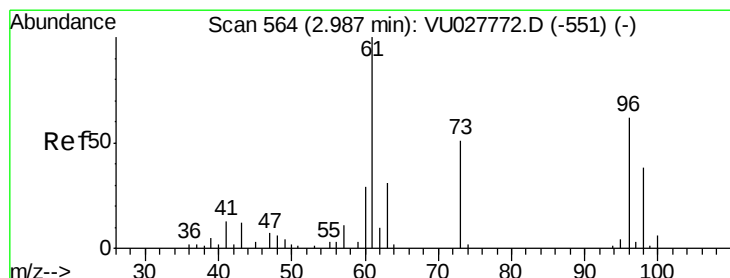
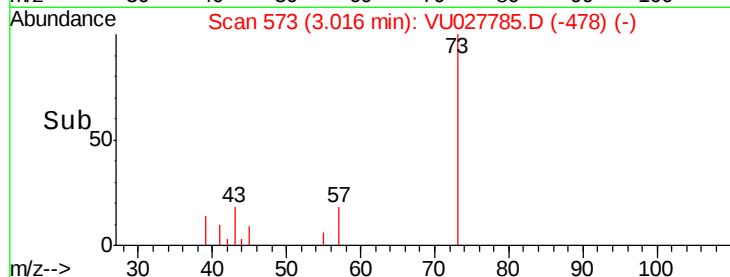
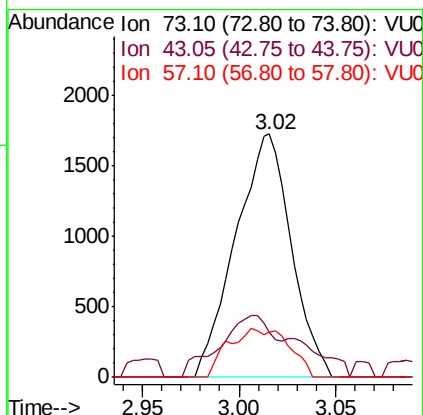
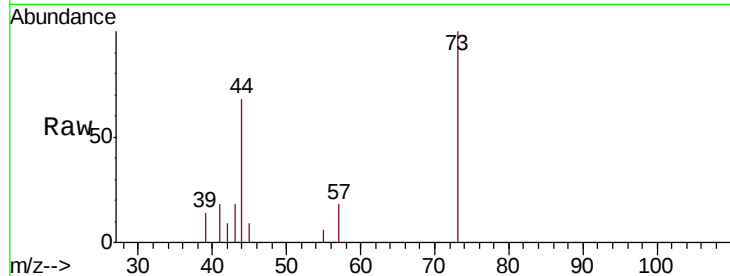




#17
Methyl tert-butyl Ether
Concen: 0.412 ug/L
RT: 3.02 min Scan# 573
Delta R.T. 0.01 min
Lab File: VU027785.D
Acq: 24 Oct 2018 14:59

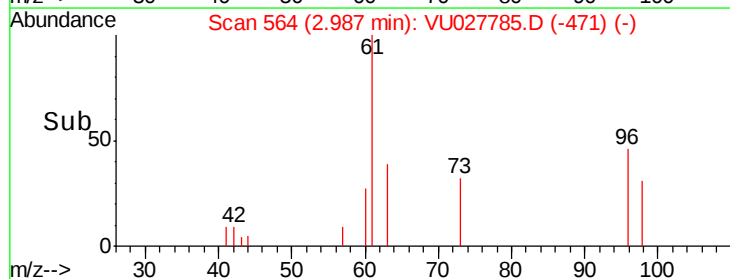
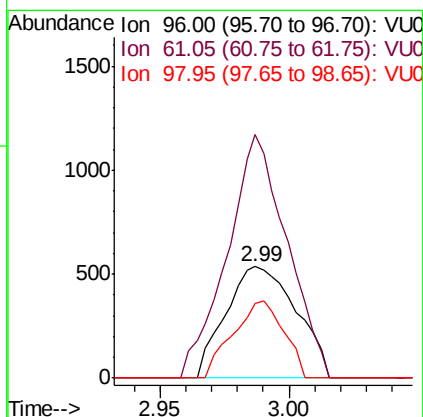
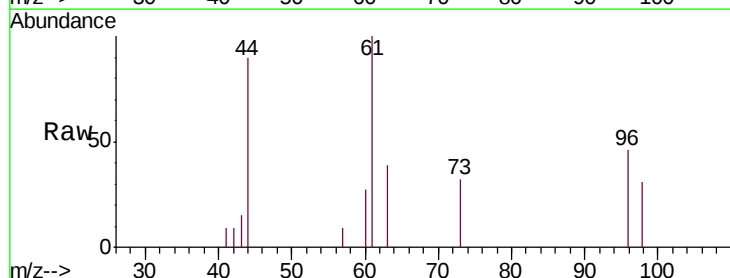
Instrument :
MSVOA_U
ClientSampleId :
MDL02

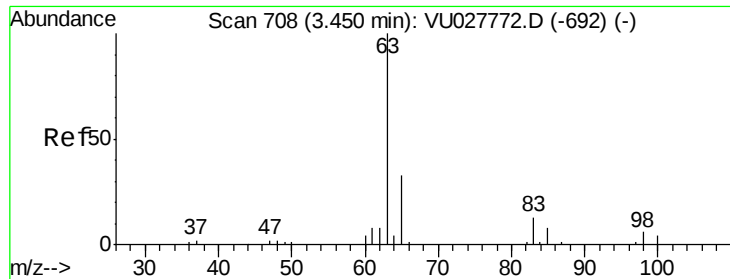
Tgt Ion: 73 Resp: 3454
Ion Ratio Lower Upper
73 100
43 24.8 18.6 28.0
57 13.0 18.2 27.2#



#18
trans-1,2-Dichloroethene
Concen: 0.364 ug/L
RT: 2.99 min Scan# 564
Delta R.T. 0.00 min
Lab File: VU027785.D
Acq: 24 Oct 2018 14:59

Tgt Ion: 96 Resp: 1020
Ion Ratio Lower Upper
96 100
61 218.5 112.1 208.3#
98 67.0 42.1 78.3

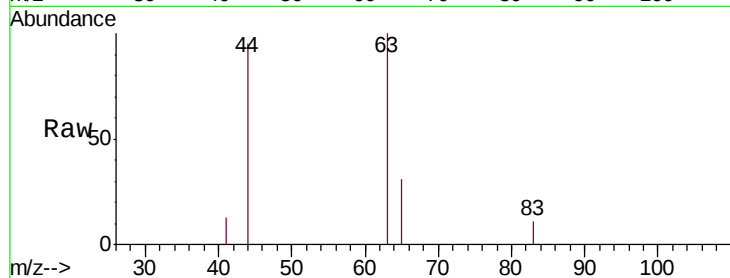




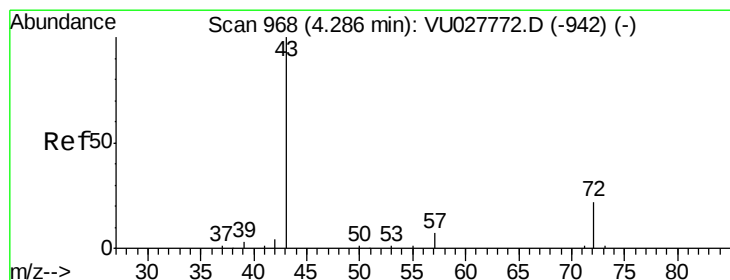
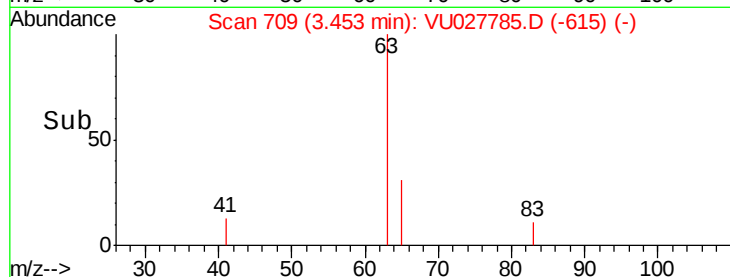
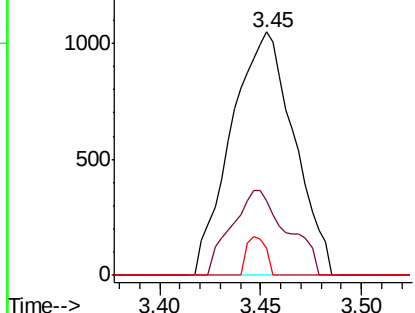
#19
 1,1-Dichloroethane
 Concen: 0.367 ug/L
 RT: 3.45 min Scan# 709
 Delta R.T. 0.00 min
 Lab File: VU027785.D
 Acq: 24 Oct 2018 14:59

Instrument :
 MSVOA_U
 ClientSampleId :
 MDL02

Tgt Ion: 63 Resp: 2274
 Ion Ratio Lower Upper
 63 100
 65 30.8 23.1 42.9
 83 11.0 9.2 17.0

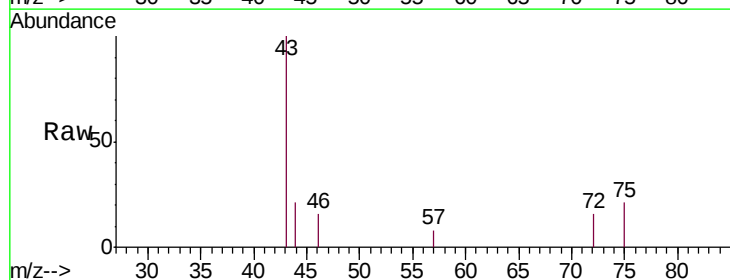


Abundance Ion 63.10 (62.80 to 63.80): VU0
 Ion 65.10 (64.80 to 65.80): VU0
 Ion 83.05 (82.75 to 83.75): VU0

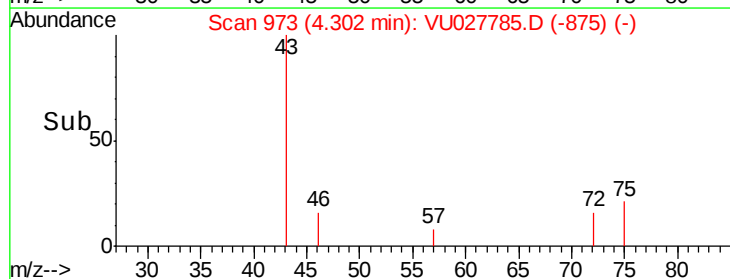
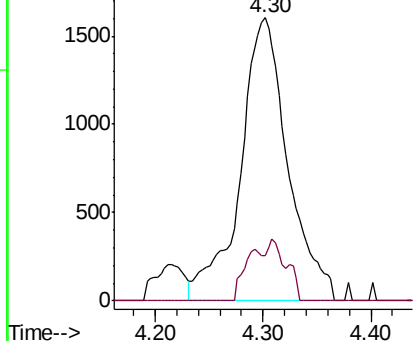


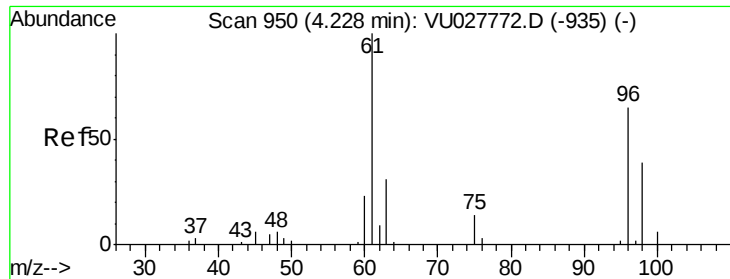
#21
 2-Butanone
 Concen: 4.186 ug/L
 RT: 4.30 min Scan# 973
 Delta R.T. 0.02 min
 Lab File: VU027785.D
 Acq: 24 Oct 2018 14:59

Tgt Ion: 43 Resp: 4929
 Ion Ratio Lower Upper
 43 100
 72 9.5 10.5 31.6#



Abundance Ion 43.05 (42.75 to 43.75): VU0
 Ion 72.10 (71.80 to 72.80): VU0



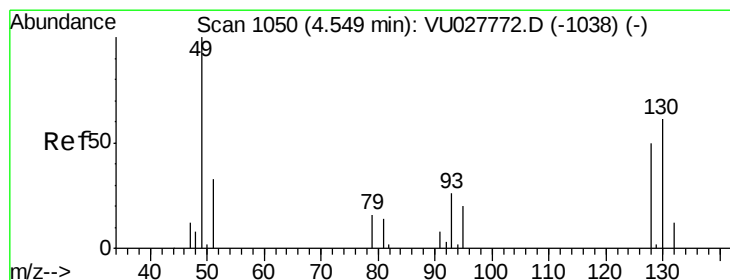
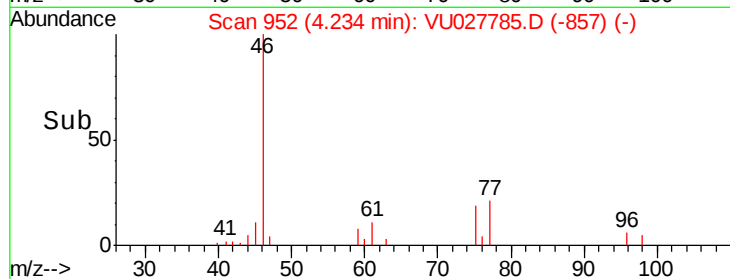
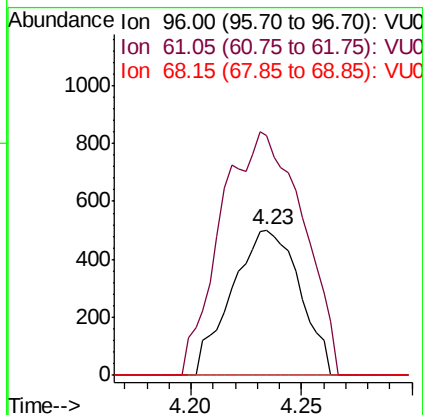
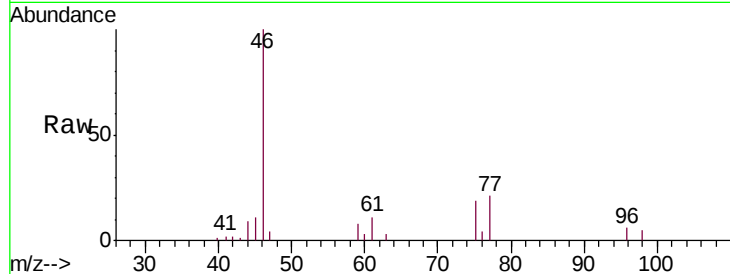


#22

cis-1,2-Dichloroethene
Concen: 0.320 ug/L
RT: 4.23 min Scan# 952
Delta R.T. 0.01 min
Lab File: VU027785.D
Acq: 24 Oct 2018 14:59

Instrument :
MSVOA_U
ClientSampled :
MDL02

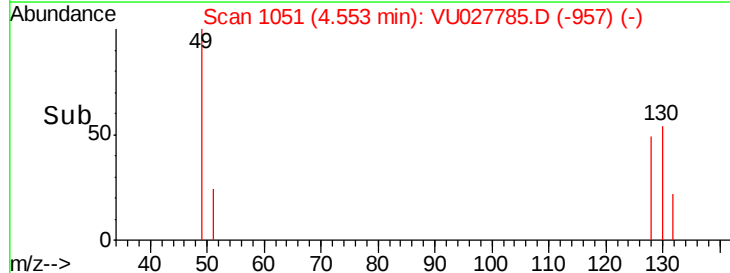
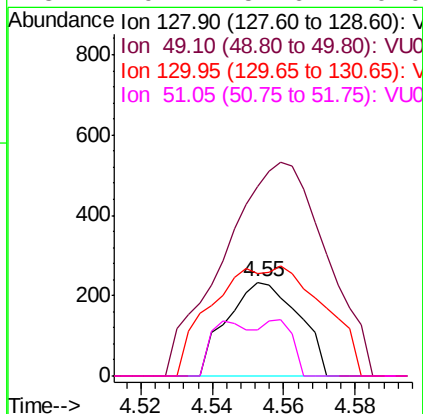
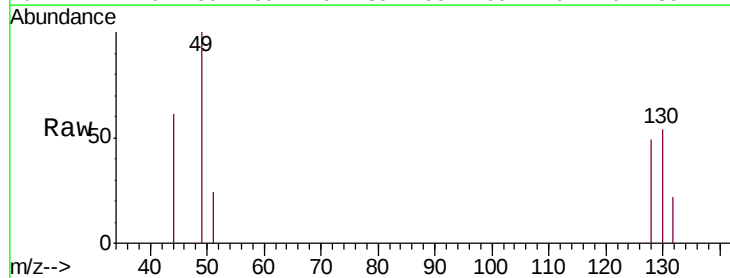
Tgt Ion: 96 Resp: 1068
Ion Ratio Lower Upper
96 100
61 164.9 107.2 199.0
68 0.0 0.0 0.0

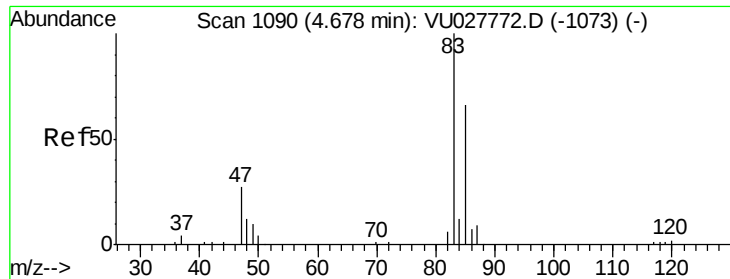


#23

Bromochloromethane
Concen: 0.239 ug/L
RT: 4.55 min Scan# 1051
Delta R.T. 0.00 min
Lab File: VU027785.D
Acq: 24 Oct 2018 14:59

Tgt Ion: 128 Resp: 323
Ion Ratio Lower Upper
128 100
49 202.1 142.8 265.2
130 109.0 86.0 159.8
51 49.1 52.6 79.0#

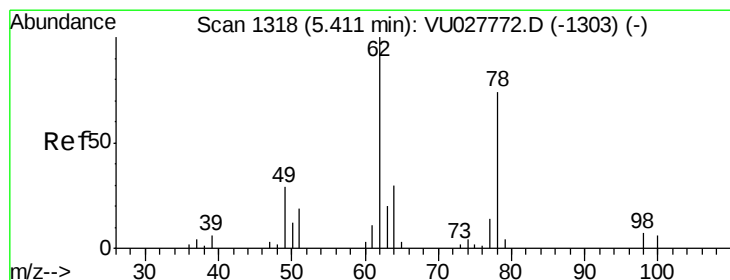
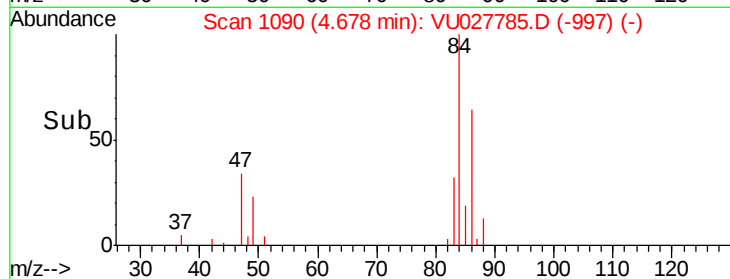
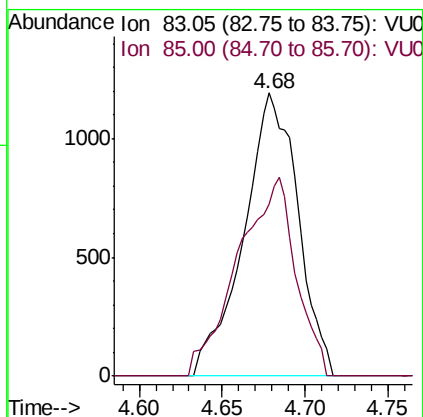
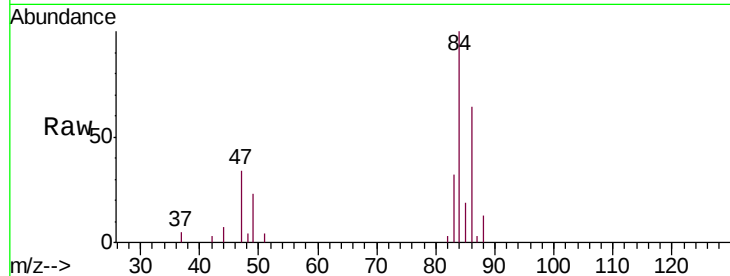




#25
Chloroform
Concen: 0.435 ug/L
RT: 4.68 min Scan# 1090
Delta R.T. 0.00 min
Lab File: VU027785.D
Acq: 24 Oct 2018 14:59

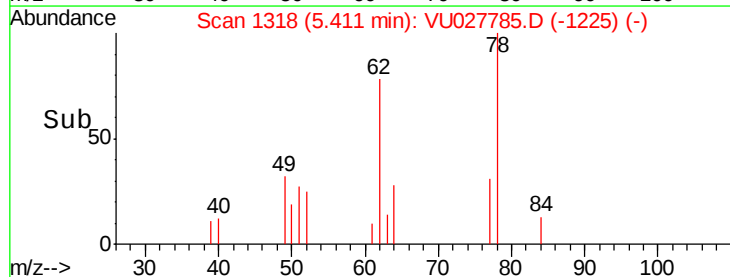
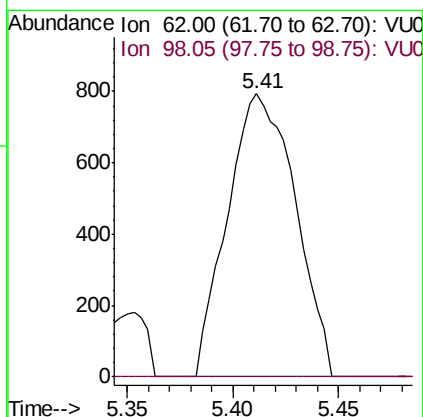
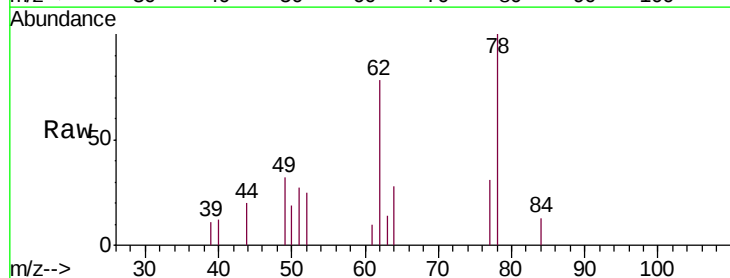
Instrument :
MSVOA_U
ClientSampleId :
MDL02

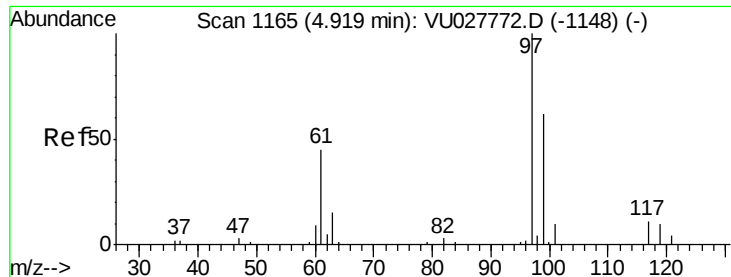
Tgt Ion: 83 Resp: 2715
Ion Ratio Lower Upper
83 100
85 60.6 45.8 85.2



#27
1,2-Dichloroethane
Concen: 0.384 ug/L
RT: 5.41 min Scan# 1318
Delta R.T. 0.00 min
Lab File: VU027785.D
Acq: 24 Oct 2018 14:59

Tgt Ion: 62 Resp: 1771
Ion Ratio Lower Upper
62 100
98 0.0 5.7 8.5#

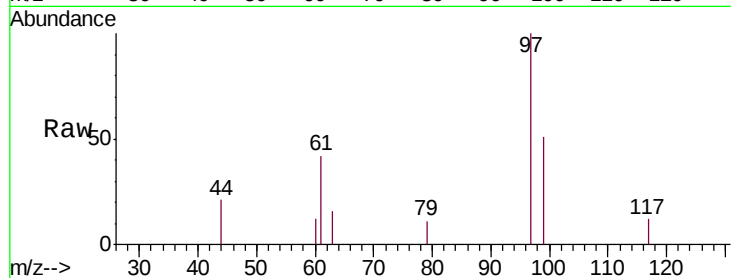




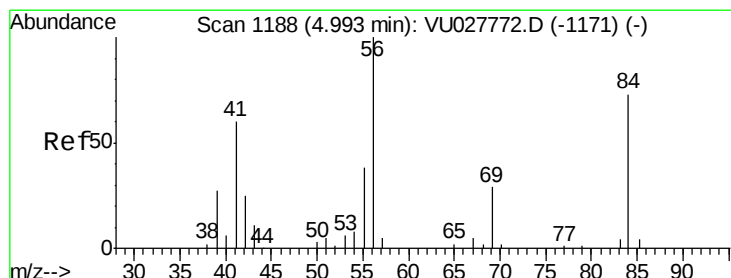
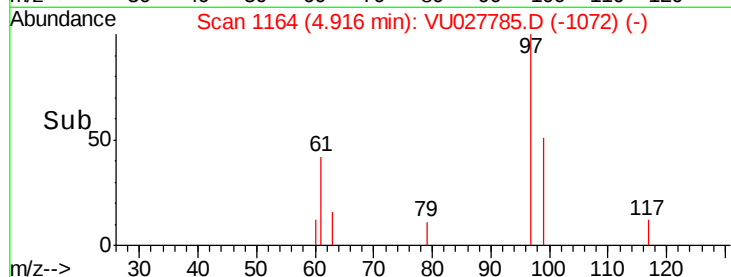
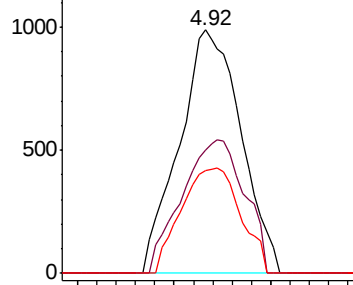
#29
 1,1,1-Trichloroethane
 Concen: 0.392 ug/L
 RT: 4.92 min Scan# 1164
 Delta R.T. -0.00 min
 Lab File: VU027785.D
 Acq: 24 Oct 2018 14:59

Instrument :
 MSVOA_U
 ClientSampleID :
 MDL02

Tgt Ion: 97 Resp: 2194
 Ion Ratio Lower Upper
 97 100
 99 55.7 51.3 76.9
 61 41.6 36.7 55.1

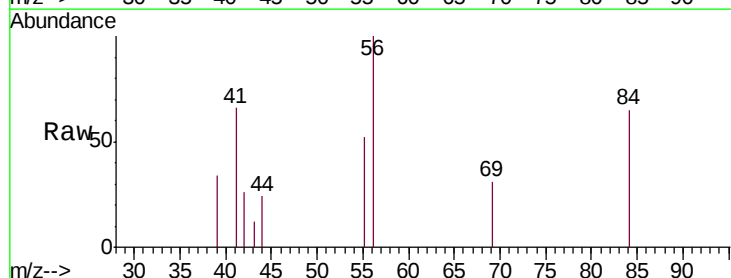


Abundance Ion 96.95 (96.65 to 97.65): VU0
 Ion 99.05 (98.75 to 99.75): VU0
 Ion 61.05 (60.75 to 61.75): VU0

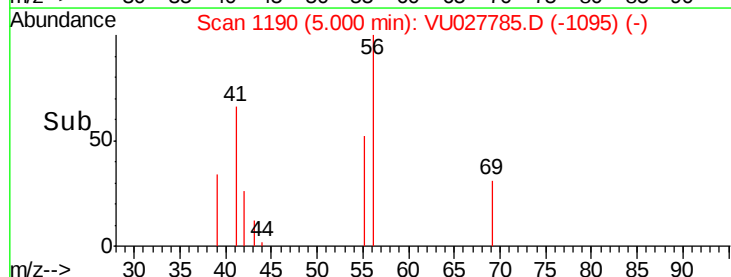
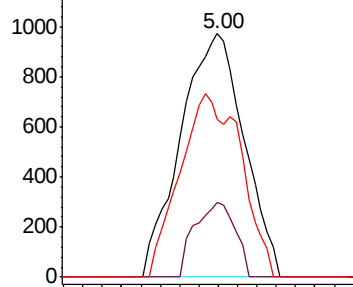


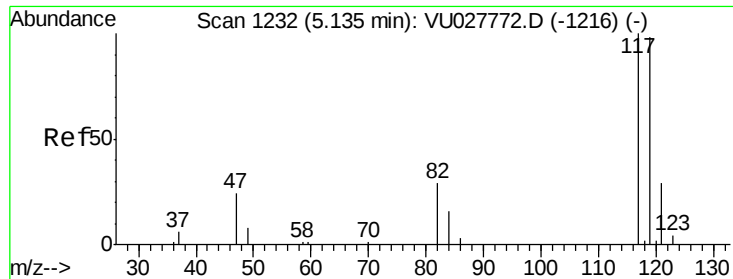
#30
 Cyclohexane
 Concen: 0.353 ug/L
 RT: 5.00 min Scan# 1190
 Delta R.T. 0.01 min
 Lab File: VU027785.D
 Acq: 24 Oct 2018 14:59

Tgt Ion: 56 Resp: 2210
 Ion Ratio Lower Upper
 56 100
 69 19.5 22.2 33.4#
 84 72.9 58.6 88.0



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: 0.395 ug/L

RT: 5.13 min Scan# 1231

Delta R.T. -0.00 min

Lab File: VU027785.D

Acq: 24 Oct 2018 14:59

Instrument :

MSVOA_U

ClientSampleId :

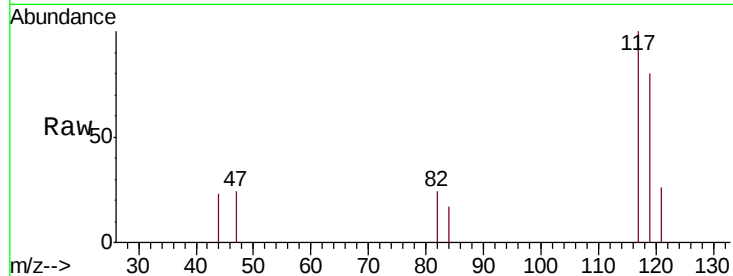
MDL02

Tgt Ion:117 Resp: 1894

Ion Ratio Lower Upper

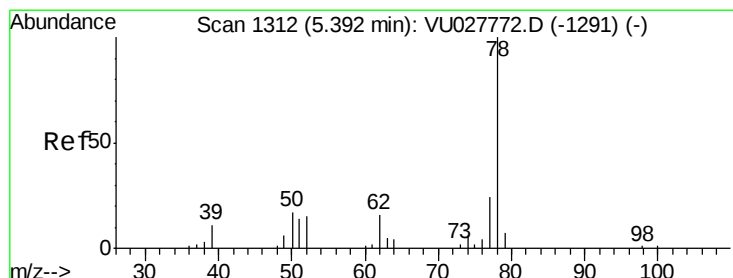
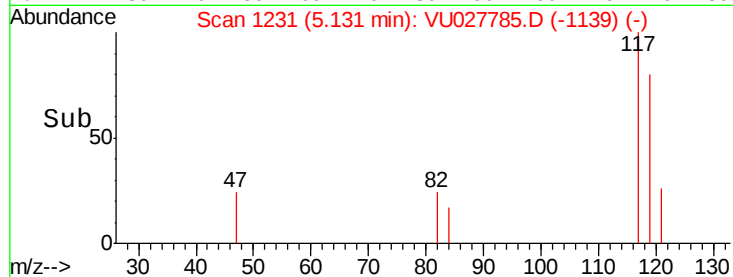
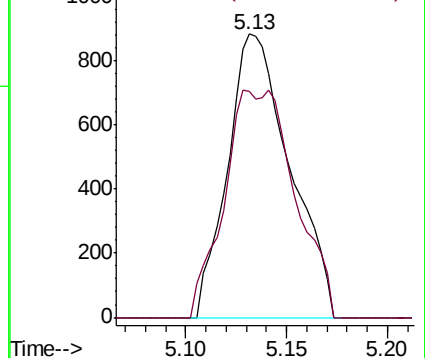
117 100

119 43.5 77.0 115.6#



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V



#33

Benzene

Concen: 0.396 ug/L

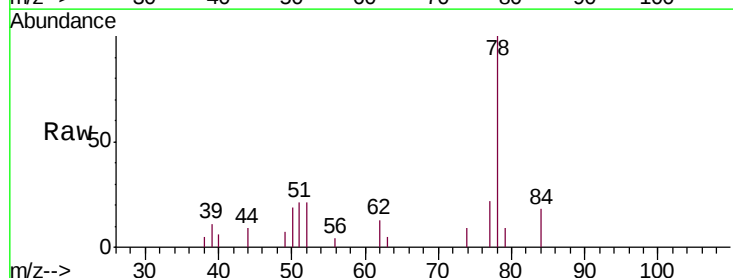
RT: 5.39 min Scan# 1312

Delta R.T. 0.00 min

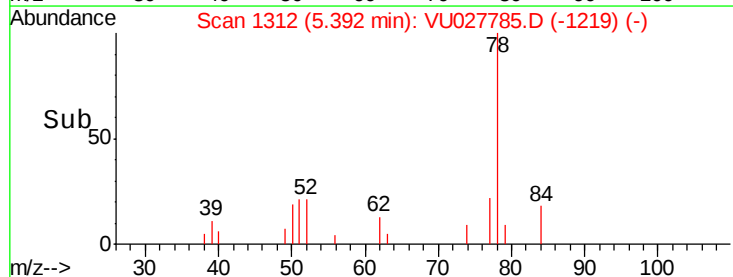
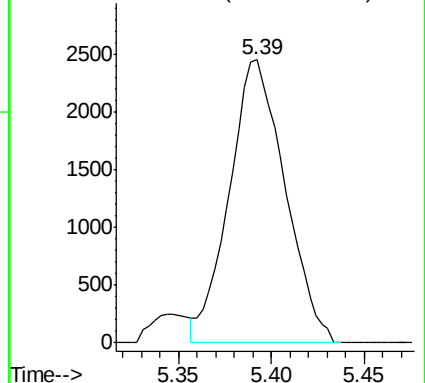
Lab File: VU027785.D

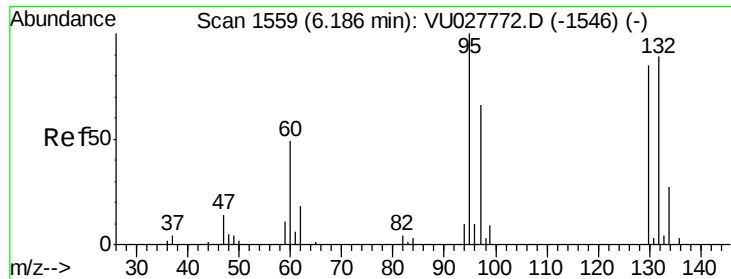
Acq: 24 Oct 2018 14:59

Tgt Ion: 78 Resp: 5119



Abundance Ion 78.10 (77.80 to 78.80): VU0

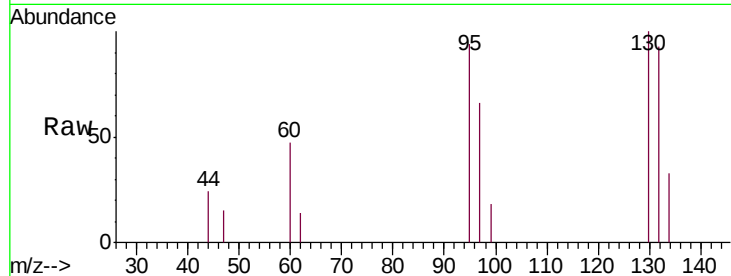




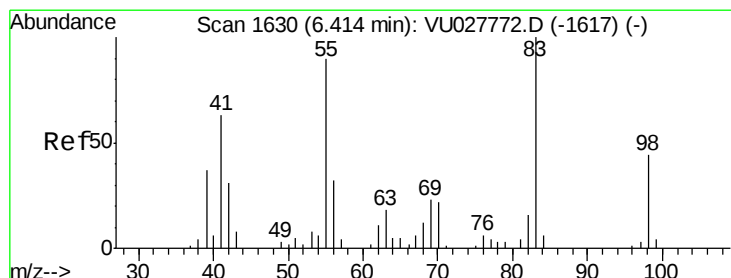
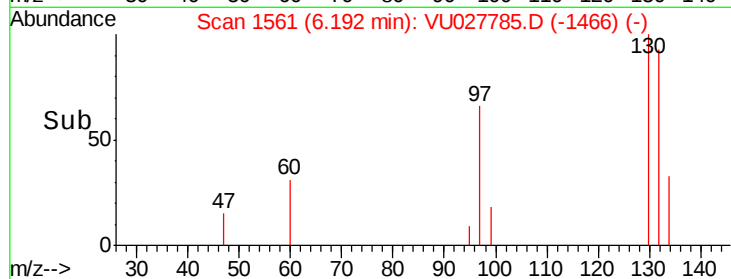
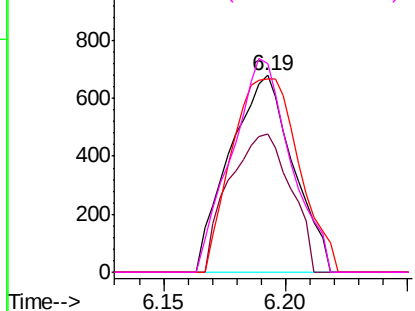
#34
 Trichloroethene
 Concen: 0.366 ug/L
 RT: 6.19 min Scan# 1561
 Delta R.T. 0.01 min
 Lab File: VU027785.D
 Acq: 24 Oct 2018 14:59

Instrument :
 MSVOA_U
 ClientSampleId :
 MDL02

Tgt Ion: 95 Resp: 1225
 Ion Ratio Lower Upper
 95 100
 97 70.1 46.4 86.2
 132 98.5 62.0 115.2
 130 106.5 59.5 110.5

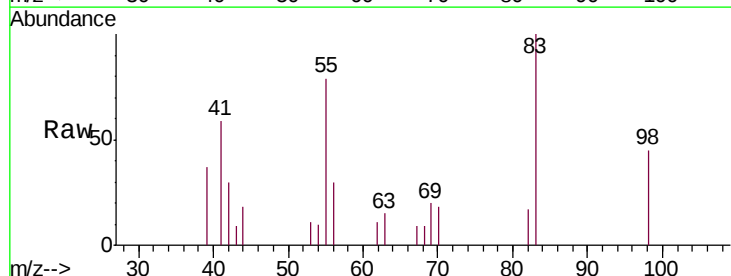


Abundance Ion 95.00 (94.70 to 95.70): VU0
 Ion 96.95 (96.65 to 97.65): VU0
 Ion 131.95 (131.65 to 132.65): V
 Ion 129.95 (129.65 to 130.65): V

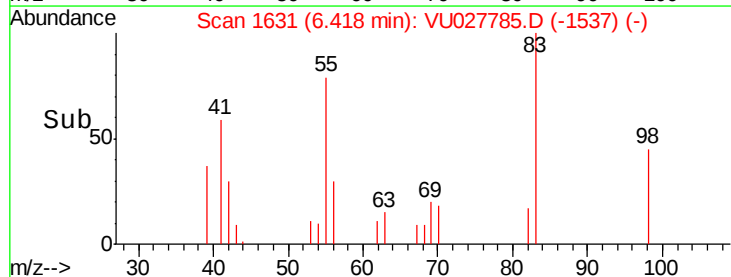
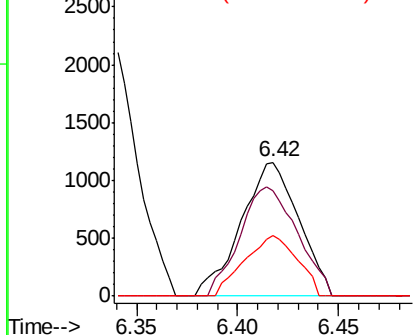


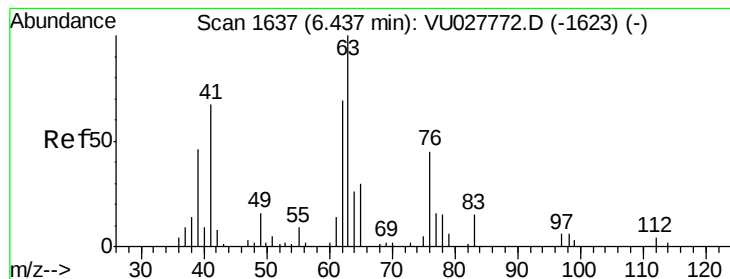
#35
 Methylcyclohexane
 Concen: 0.412 ug/L
 RT: 6.42 min Scan# 1631
 Delta R.T. 0.00 min
 Lab File: VU027785.D
 Acq: 24 Oct 2018 14:59

Tgt Ion: 83 Resp: 2302
 Ion Ratio Lower Upper
 83 100
 55 81.4 71.5 107.3
 98 41.2 35.4 53.0



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: 0.406 ug/L

RT: 6.44 min Scan# 1638

Delta R.T. 0.00 min

Lab File: VU027785.D

Acq: 24 Oct 2018 14:59

Instrument :

MSVOA_U

ClientSampleId :

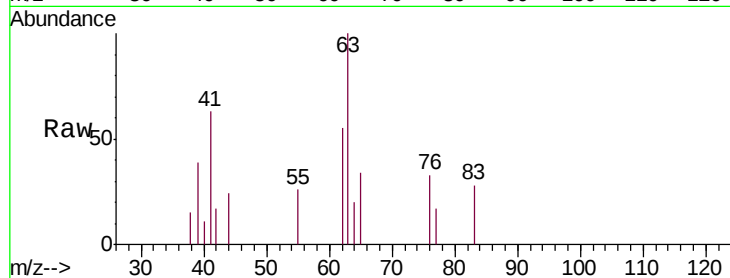
MDL02

Tgt Ion: 63 Resp: 1541

Ion Ratio Lower Upper

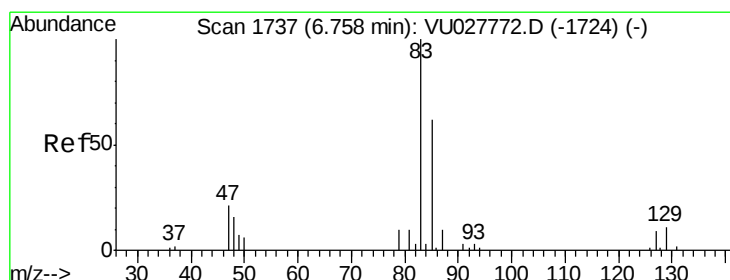
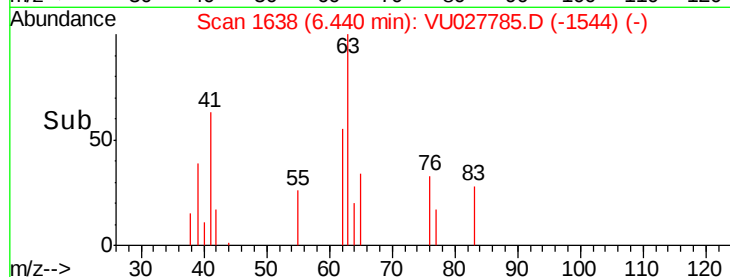
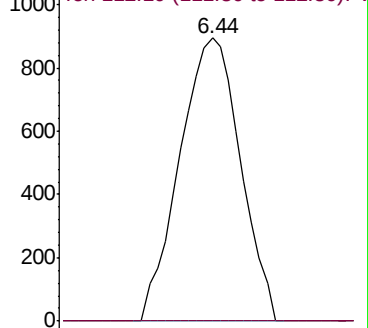
63 100

112 0.0 2.7 4.1#



Abundance Ion 63.10 (62.80 to 63.80): VU0

Ion 112.10 (111.80 to 112.80): V



#38

Bromodichloromethane

Concen: 0.349 ug/L

RT: 6.76 min Scan# 1737

Delta R.T. 0.00 min

Lab File: VU027785.D

Acq: 24 Oct 2018 14:59

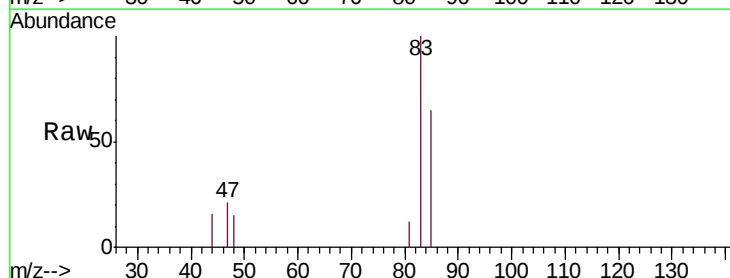
Tgt Ion: 83 Resp: 1579

Ion Ratio Lower Upper

83 100

85 65.2 43.3 80.5

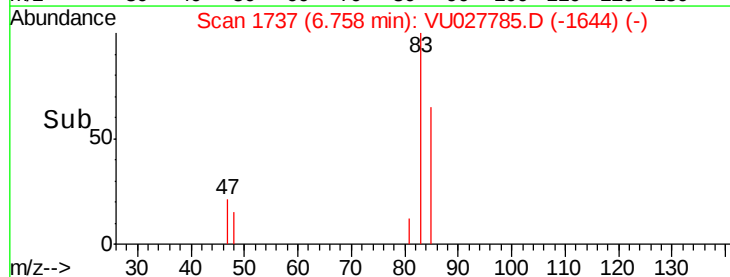
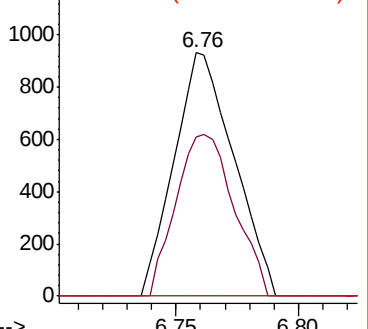
127 0.0 7.2 10.8#

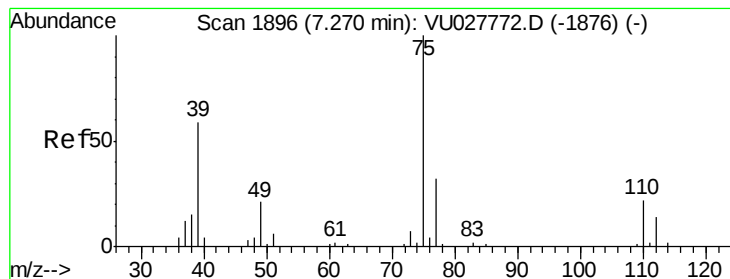


Abundance Ion 82.95 (82.65 to 83.65): VU0

Ion 85.00 (84.70 to 85.70): VU0

Ion 126.90 (126.60 to 127.60): V



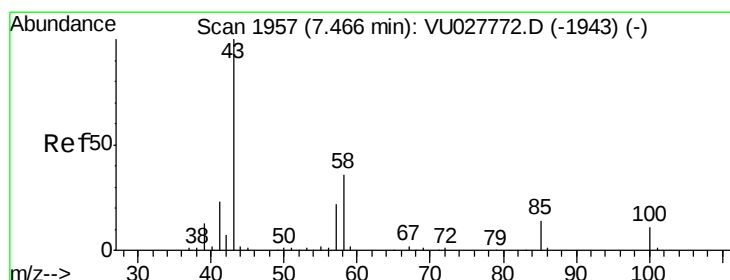
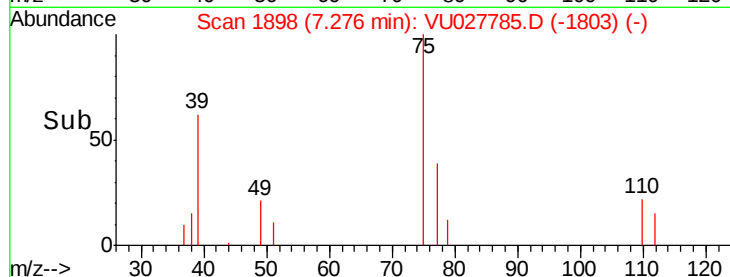
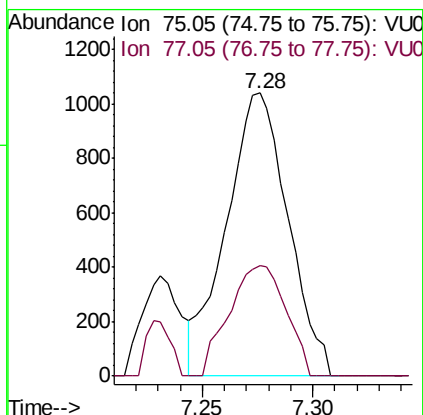
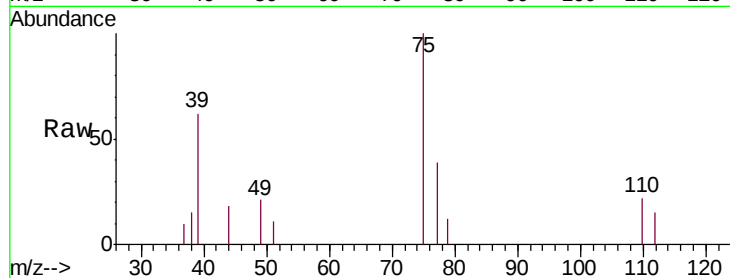


#39

cis-1,3-Dichloropropene
Concen: 0.372 ug/L
RT: 7.28 min Scan# 1898
Delta R.T. 0.01 min
Lab File: VU027785.D
Acq: 24 Oct 2018 14:59

Instrument :
MSVOA_U
ClientSampled :
MDL02

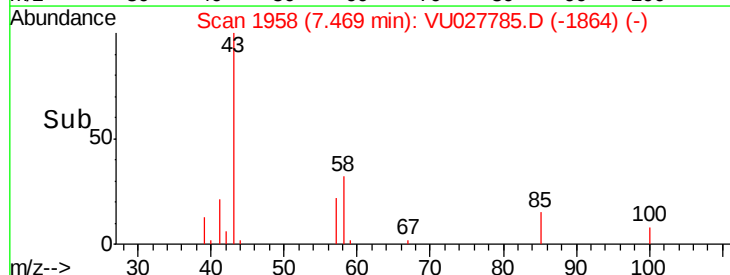
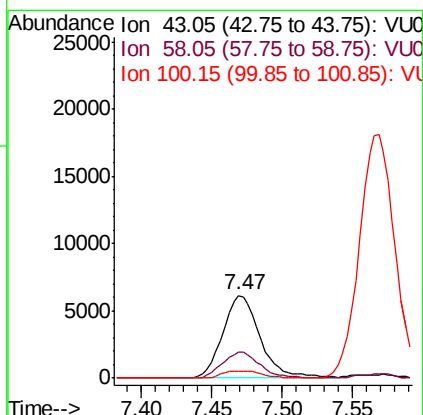
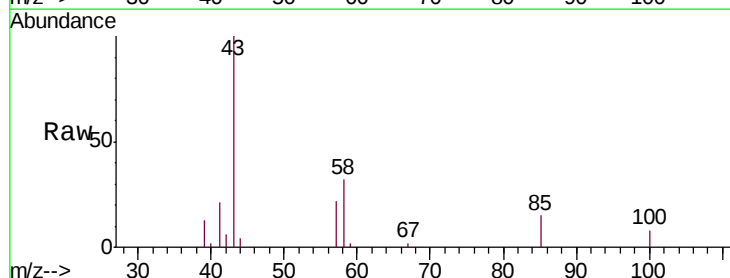
Tgt Ion: 75 Resp: 2018
Ion Ratio Lower Upper
75 100
77 39.2 22.5 41.7

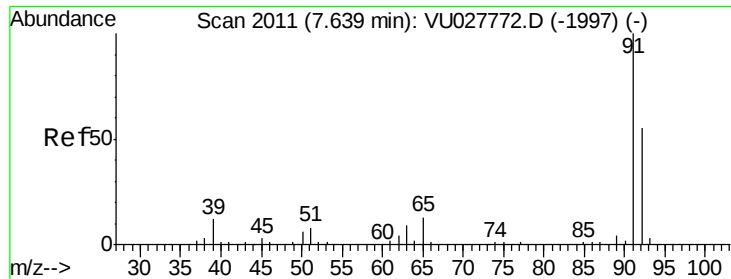


#40

4-Methyl-2-pentanone
Concen: 4.013 ug/L
RT: 7.47 min Scan# 1958
Delta R.T. 0.00 min
Lab File: VU027785.D
Acq: 24 Oct 2018 14:59

Tgt Ion: 43 Resp: 11378
Ion Ratio Lower Upper
43 100
58 31.1 28.1 42.1
100 8.9 8.7 13.1





#42

Toluene

Concen: 0.392 ug/L

RT: 7.64 min Scan# 2011

Delta R.T. 0.00 min

Lab File: VU027785.D

Acq: 24 Oct 2018 14:59

Instrument :

MSVOA_U

ClientSampled :

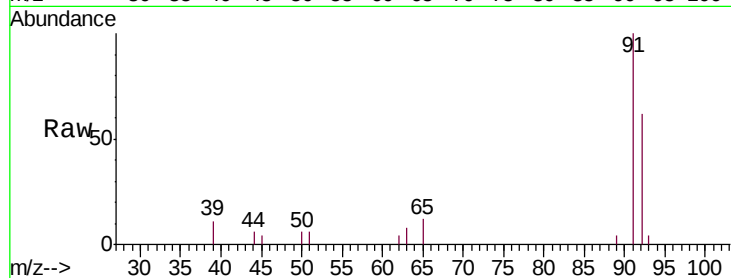
MDL02

Tgt Ion: 91 Resp: 5448

Ion Ratio Lower Upper

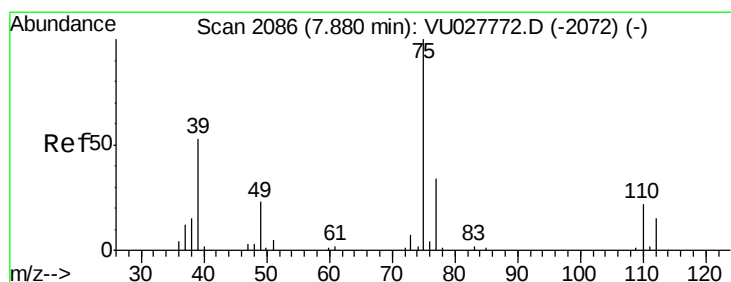
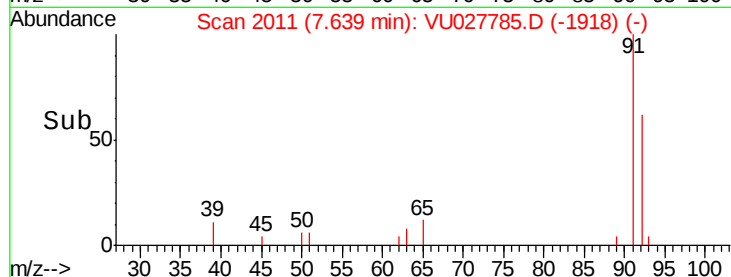
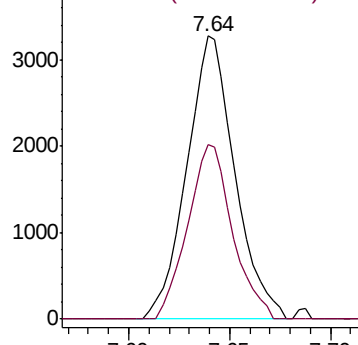
91 100

92 61.8 38.6 71.8



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: 0.398 ug/L

RT: 7.88 min Scan# 2087

Delta R.T. 0.00 min

Lab File: VU027785.D

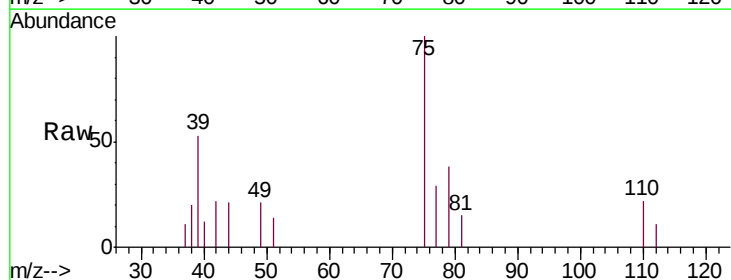
Acq: 24 Oct 2018 14:59

Tgt Ion: 75 Resp: 1822

Ion Ratio Lower Upper

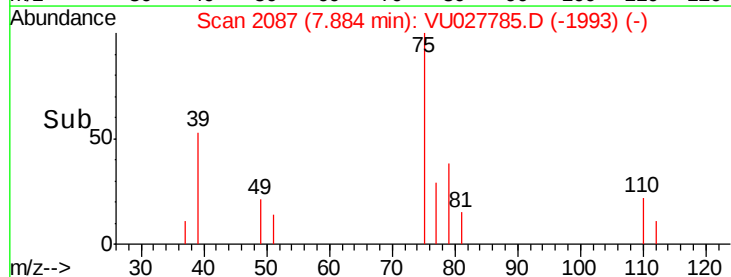
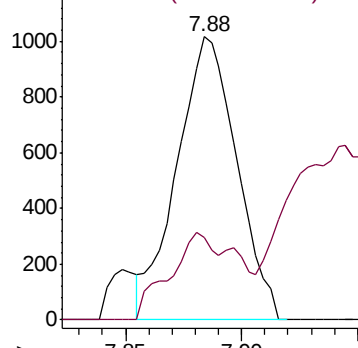
75 100

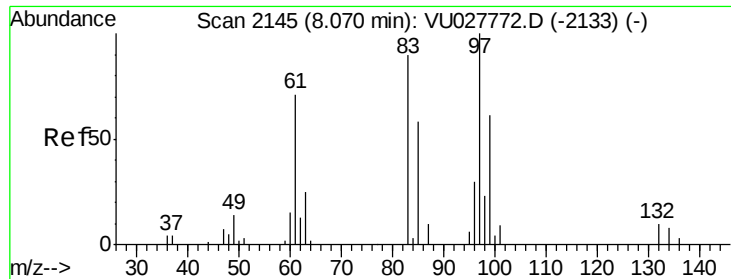
77 29.0 23.5 43.7



Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 77.05 (76.75 to 77.75): VU0

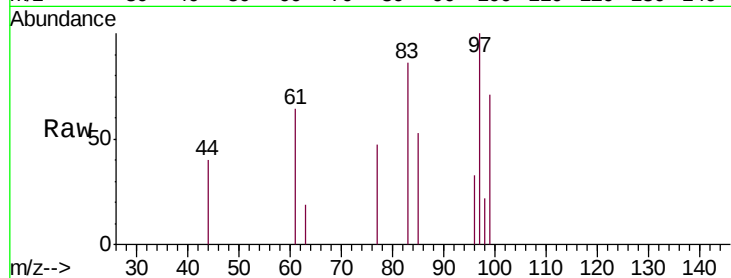




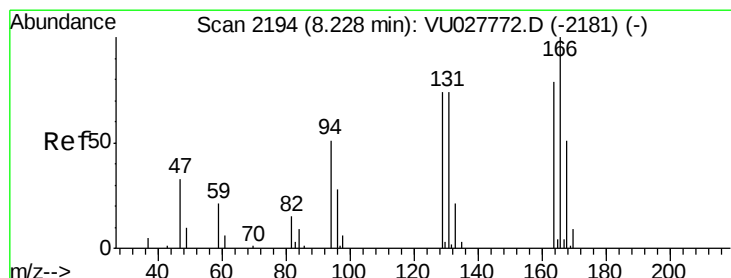
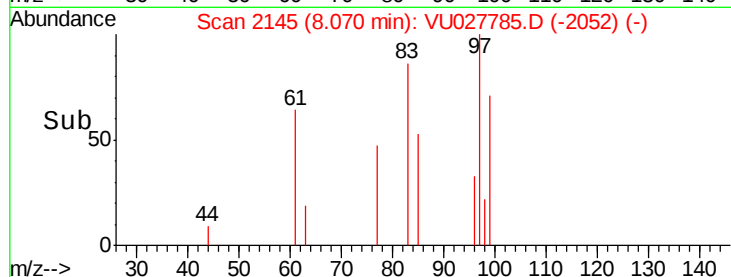
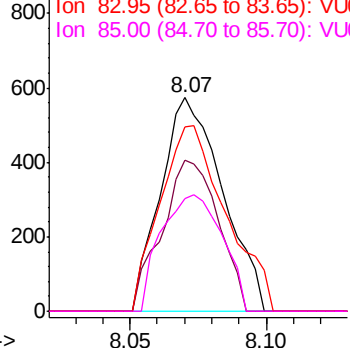
#45
 1,1,2-Trichloroethane
 Concen: 0.396 ug/L
 RT: 8.07 min Scan# 2145
 Delta R.T. 0.00 min
 Lab File: VU027785.D
 Acq: 24 Oct 2018 14:59

Instrument :
 MSVOA_U
 ClientSampleId :
 MDL02

Tgt Ion:	97	Resp:	907
Ion	Ratio	Lower	Upper
97	100		
99	70.9	42.8	79.6
83	86.1	62.9	116.9
85	52.6	40.8	75.8

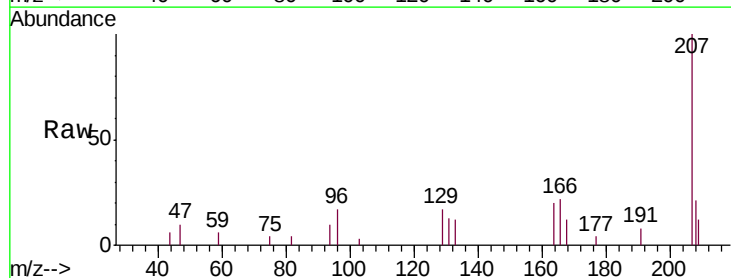


Abundance Ion 96.95 (96.65 to 97.65): VU0
 Ion 99.05 (98.75 to 99.75): VU0
 Ion 82.95 (82.65 to 83.65): VU0
 Ion 85.00 (84.70 to 85.70): VU0

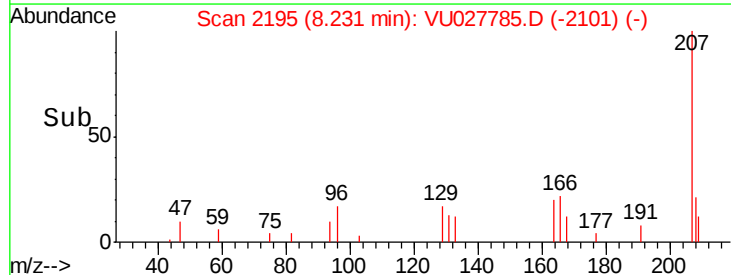
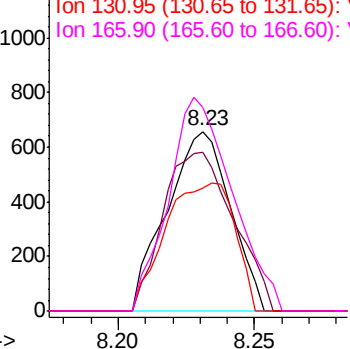


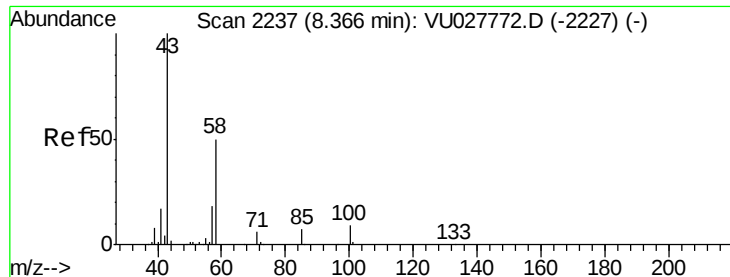
#47
 Tetrachloroethene
 Concen: 0.391 ug/L
 RT: 8.23 min Scan# 2195
 Delta R.T. 0.00 min
 Lab File: VU027785.D
 Acq: 24 Oct 2018 14:59

Tgt Ion:	164	Resp:	1062
Ion	Ratio	Lower	Upper
164	100		
129	88.6	65.6	121.8
131	68.2	65.0	120.8
166	113.1	88.3	164.1



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

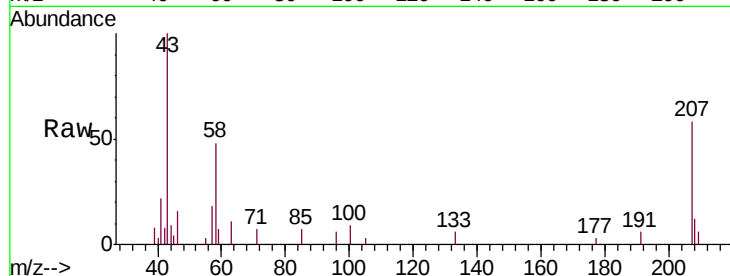




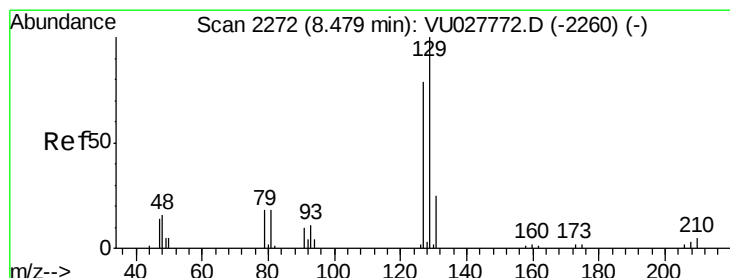
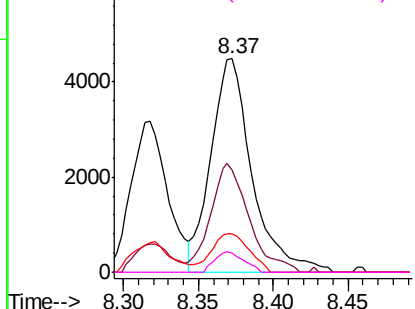
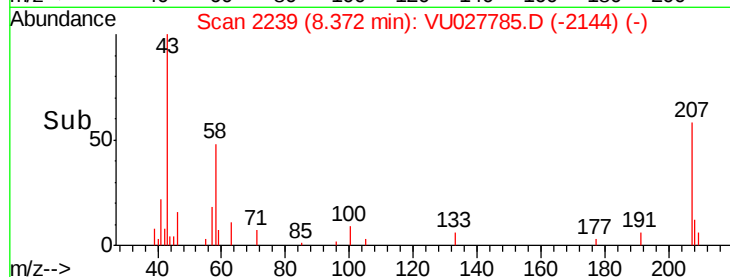
#48
2-Hexanone
Concen: 4.271 ug/L
RT: 8.37 min Scan# 2239
Delta R.T. 0.01 min
Lab File: VU027785.D
Acq: 24 Oct 2018 14:59

Instrument :
MSVOA_U
ClientSampleId :
MDL02

Tgt Ion: 43 Resp: 8604
Ion Ratio Lower Upper
43 100
58 47.5 39.4 59.0
57 16.8 13.8 20.8
100 6.7 6.7 10.1

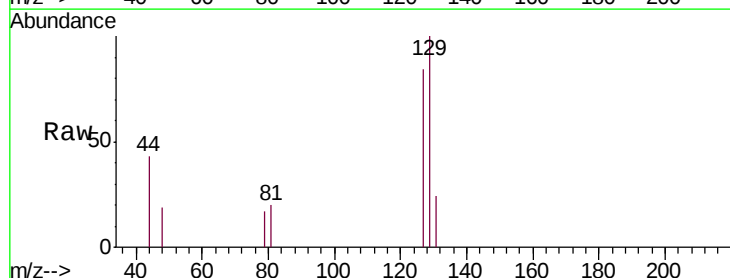


Abundance Ion 43.05 (42.75 to 43.75): VU027785.D (-2144) (-)
Ion 58.05 (57.75 to 58.75): VU027785.D (-2144) (-)
Ion 57.20 (56.90 to 57.90): VU027785.D (-2144) (-)
Ion 100.15 (99.85 to 100.85): VU027785.D (-2144) (-)

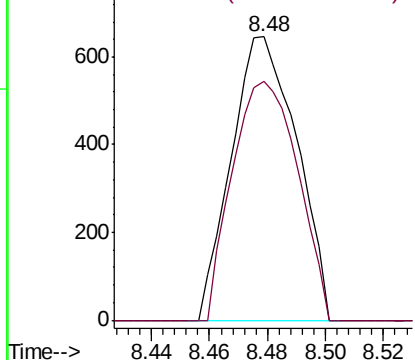
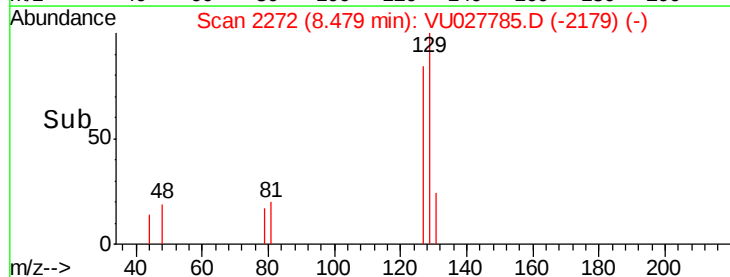


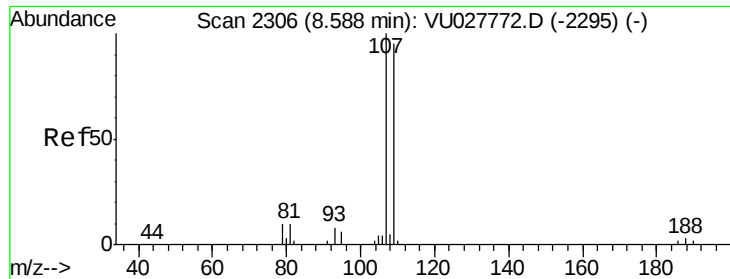
#49
Dibromochloromethane
Concen: 0.346 ug/L
RT: 8.48 min Scan# 2272
Delta R.T. 0.00 min
Lab File: VU027785.D
Acq: 24 Oct 2018 14:59

Tgt Ion: 129 Resp: 1010
Ion Ratio Lower Upper
129 100
127 84.4 55.2 102.4



Abundance Ion 128.95 (128.65 to 129.65): VU027785.D (-2179) (-)
Ion 126.90 (126.60 to 127.60): VU027785.D (-2179) (-)

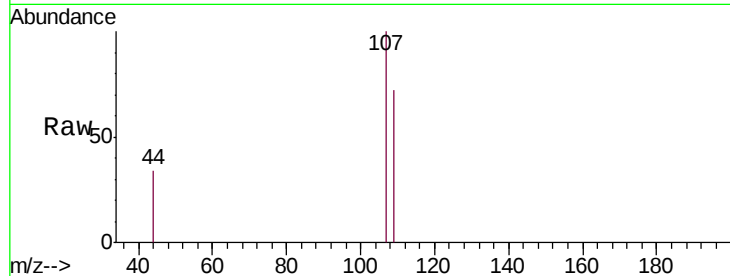




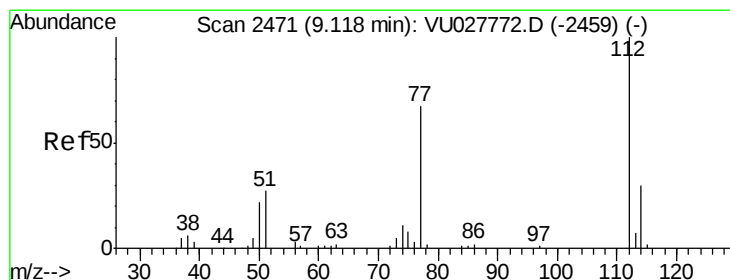
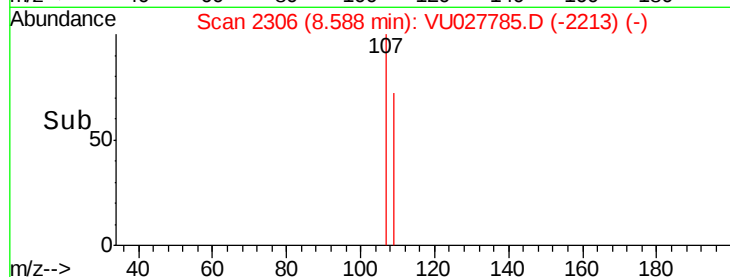
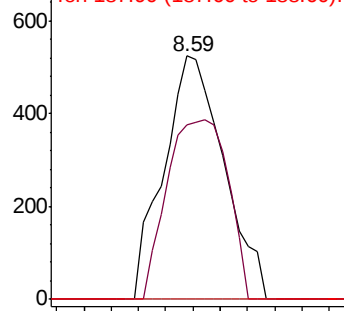
#50
1,2-Dibromoethane
Concen: 0.361 ug/L
RT: 8.59 min Scan# 2306
Delta R.T. 0.00 min
Lab File: VU027785.D
Acq: 24 Oct 2018 14:59

Instrument :
MSVOA_U
ClientSampleId :
MDL02

Tgt Ion:107 Resp: 804
Ion Ratio Lower Upper
107 100
109 71.8 66.3 123.1
188 0.0 2.6 3.8#

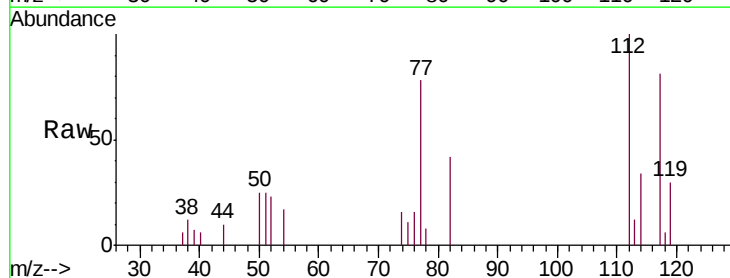


Abundance Ion 106.95 (106.65 to 107.65): V
Ion 109.00 (108.70 to 109.70): V
Ion 187.90 (187.60 to 188.60): V

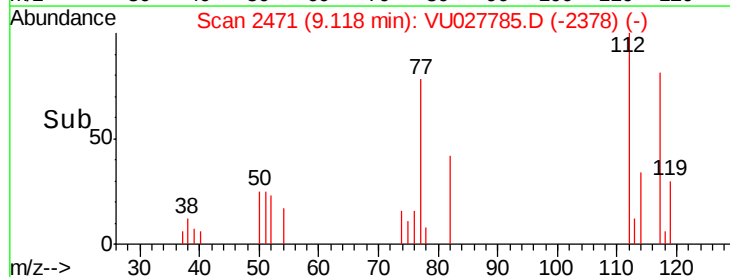
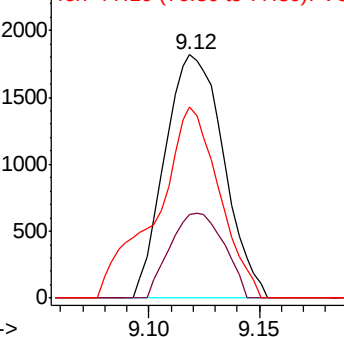


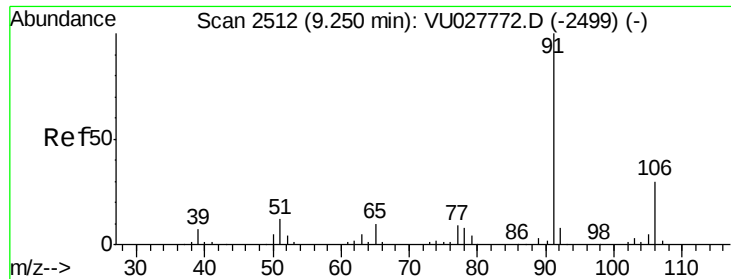
#51
Chlorobenzene
Concen: 0.393 ug/L
RT: 9.12 min Scan# 2471
Delta R.T. 0.00 min
Lab File: VU027785.D
Acq: 24 Oct 2018 14:59

Tgt Ion:112 Resp: 3365
Ion Ratio Lower Upper
112 100
114 34.2 21.2 39.4
77 78.3 54.2 81.4



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: 0.378 ug/L

RT: 9.25 min Scan# 2512

Delta R.T. 0.00 min

Lab File: VU027785.D

Acq: 24 Oct 2018 14:59

Instrument :

MSVOA_U

ClientSampleId :

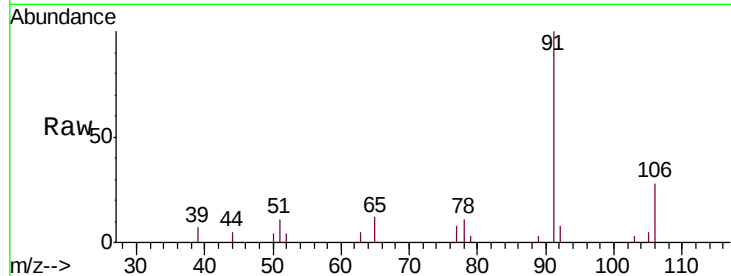
MDL02

Tgt Ion: 91 Resp: 6089

Ion Ratio Lower Upper

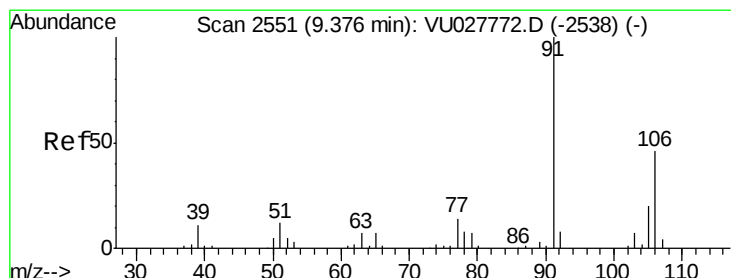
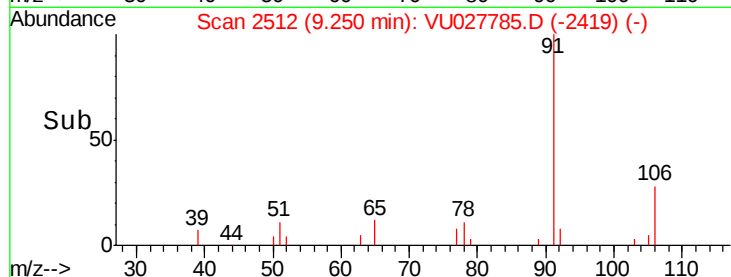
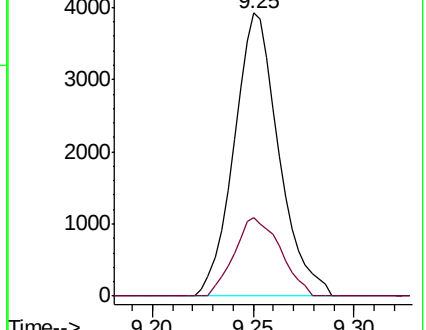
91 100

106 27.9 20.6 38.4



Abundance Ion 91.15 (90.85 to 91.85): VU027772.D (-2499) (-)

Ion 106.15 (105.85 to 106.85): VU027785.D (-2419) (-)



#53

m,p-xylene

Concen: 0.371 ug/L

RT: 9.38 min Scan# 2552

Delta R.T. 0.00 min

Lab File: VU027785.D

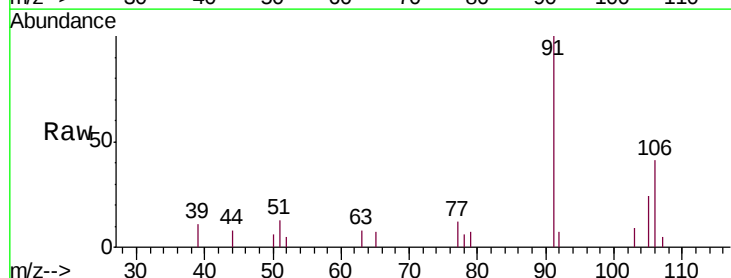
Acq: 24 Oct 2018 14:59

Tgt Ion: 106 Resp: 2120

Ion Ratio Lower Upper

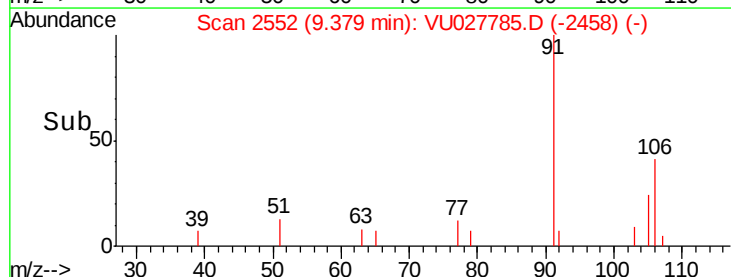
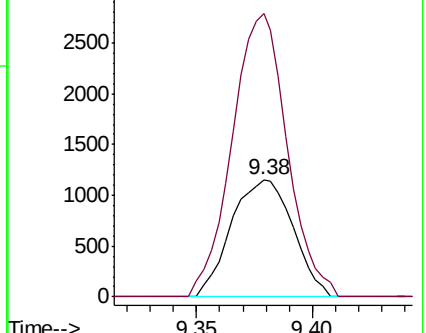
106 100

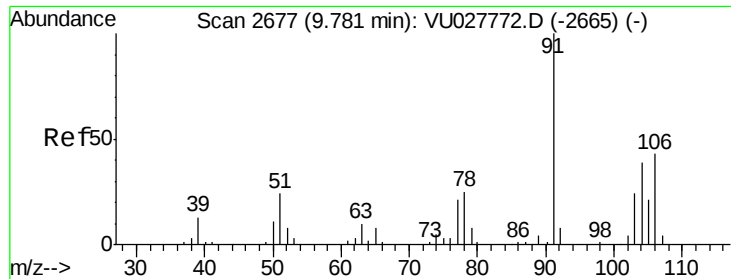
91 241.6 154.1 286.3



Abundance Ion 106.15 (105.85 to 106.85): VU027785.D (-2419) (-)

Ion 91.15 (90.85 to 91.85): VU027772.D (-2538) (-)





#54

o-xylene

Concen: 0.384 ug/L

RT: 9.78 min Scan# 2676

Delta R.T. -0.00 min

Lab File: VU027785.D

Acq: 24 Oct 2018 14:59

Instrument :

MSVOA_U

ClientSampleId :

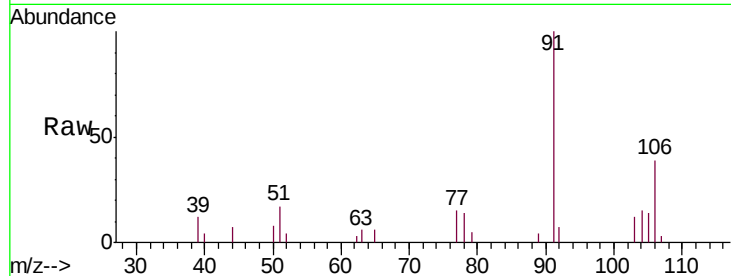
MDL02

Tgt Ion:106 Resp: 2141

Ion Ratio Lower Upper

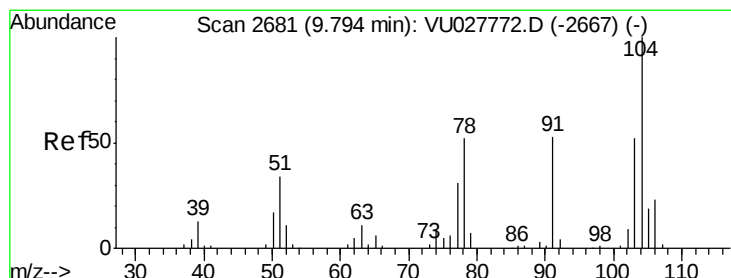
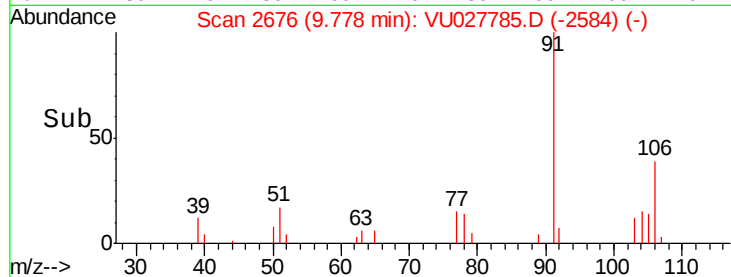
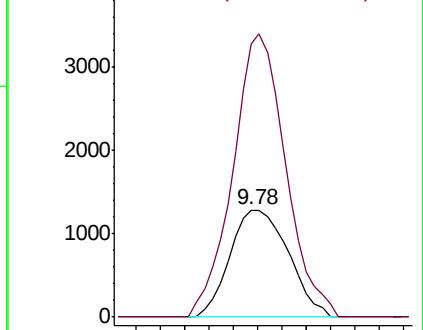
106 100

91 254.7 161.3 299.7



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VU0



#55

Styrene

Concen: 0.373 ug/L

RT: 9.80 min Scan# 2682

Delta R.T. 0.00 min

Lab File: VU027785.D

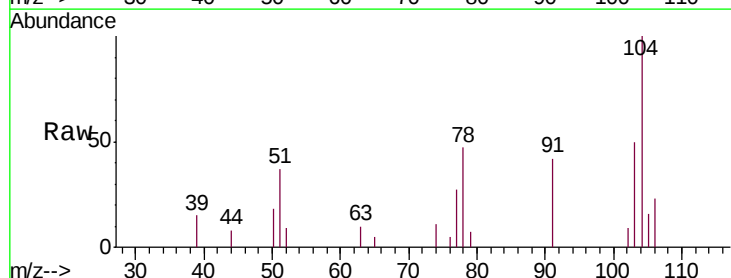
Acq: 24 Oct 2018 14:59

Tgt Ion:104 Resp: 3530

Ion Ratio Lower Upper

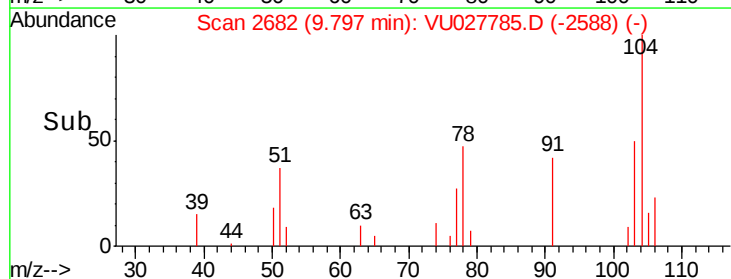
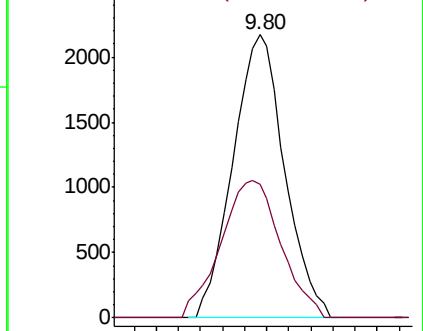
104 100

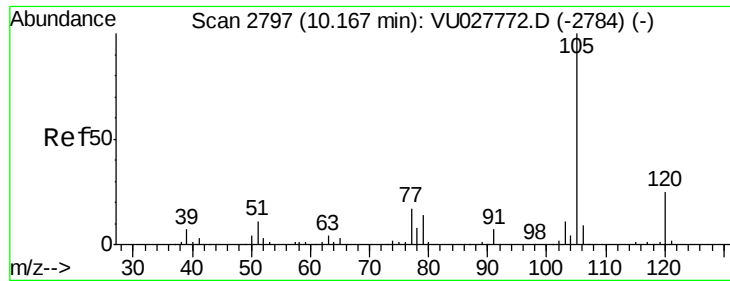
78 47.1 36.3 67.3



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VU0





#56

Isopropylbenzene

Concen: 0.383 ug/L

RT: 10.17 min Scan# 2798

Delta R.T. 0.00 min

Lab File: VU027785.D

Acq: 24 Oct 2018 14:59

Instrument :

MSVOA_U

ClientSampleId :

MDL02

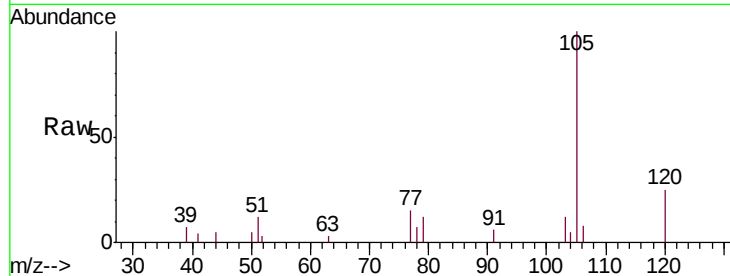
Tgt Ion: 105 Resp: 5921

Ion Ratio Lower Upper

105 100

120 24.6 19.9 29.9

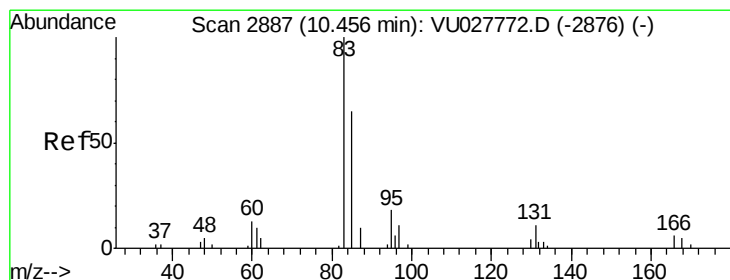
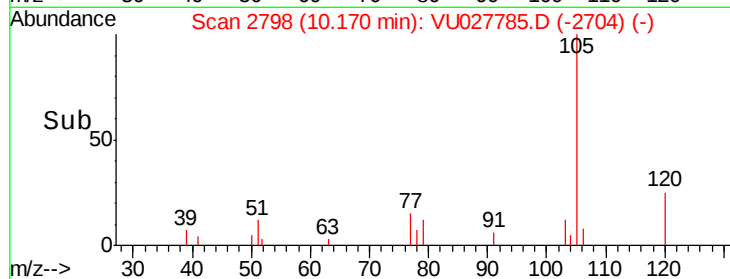
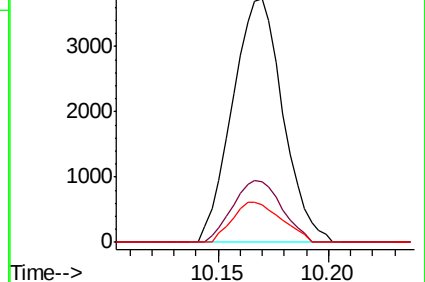
77 16.1 13.7 20.5



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.10 (119.80 to 120.80): V

Ion 77.10 (76.80 to 77.80): V



#58

1,1,2,2-Tetrachloroethane

Concen: 0.419 ug/L

RT: 10.46 min Scan# 2887

Delta R.T. 0.00 min

Lab File: VU027785.D

Acq: 24 Oct 2018 14:59

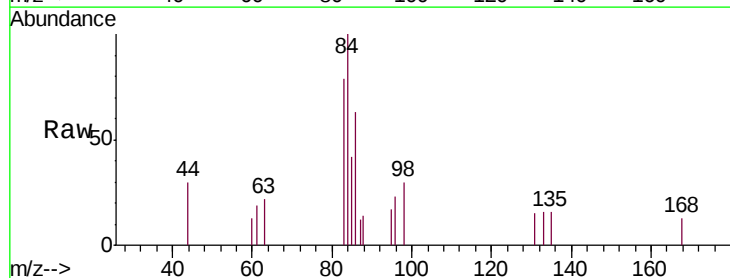
Tgt Ion: 83 Resp: 1260

Ion Ratio Lower Upper

83 100

85 52.8 45.5 84.5

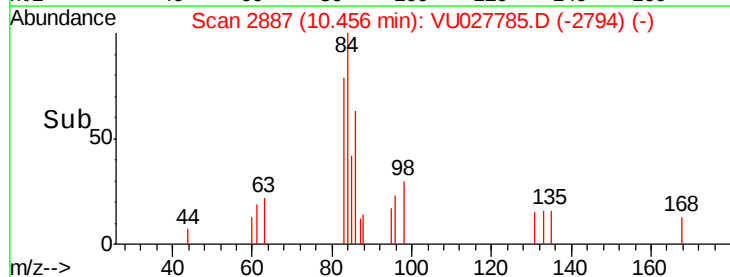
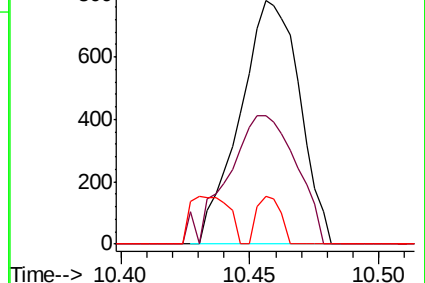
131 19.6 8.8 13.2#

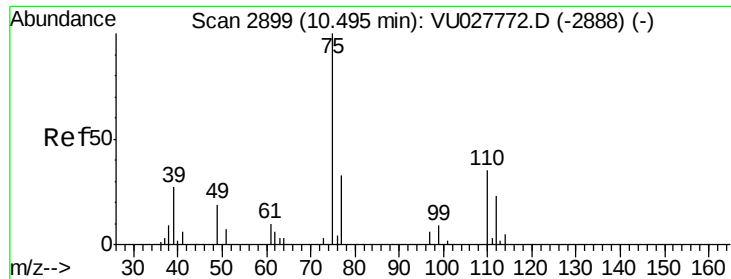


Abundance Ion 82.95 (82.65 to 83.65): V

Ion 85.00 (84.70 to 85.70): V

Ion 130.95 (130.65 to 131.65): V

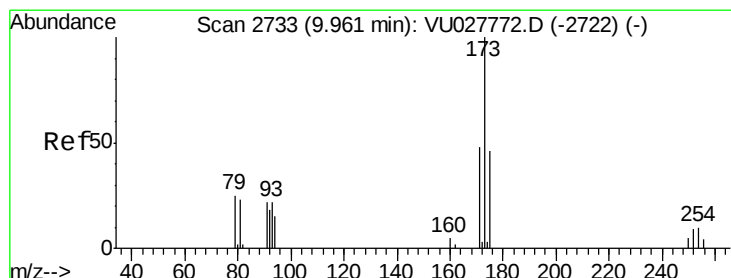
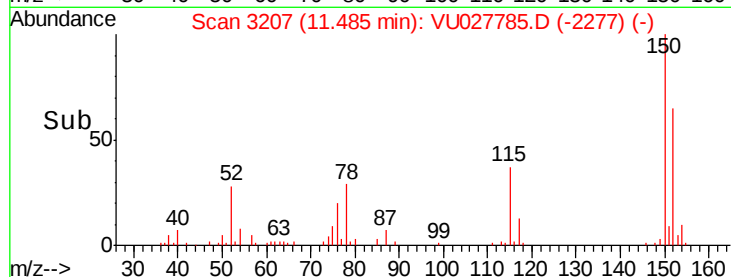
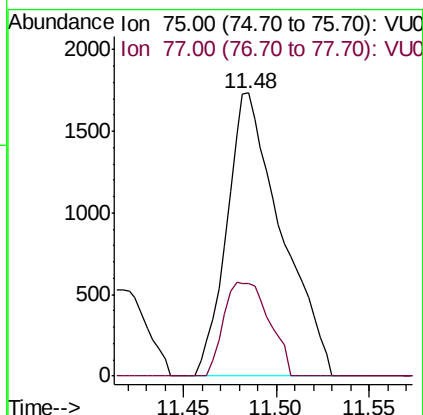
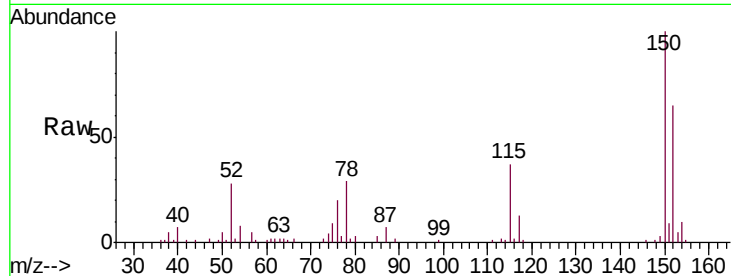




#59
 1,2,3-Trichloropropane
 Concen: 1.480 ug/L
 RT: 11.48 min Scan# 3207
 Delta R.T. 0.99 min
 Lab File: VU027785.D
 Acq: 24 Oct 2018 14:59

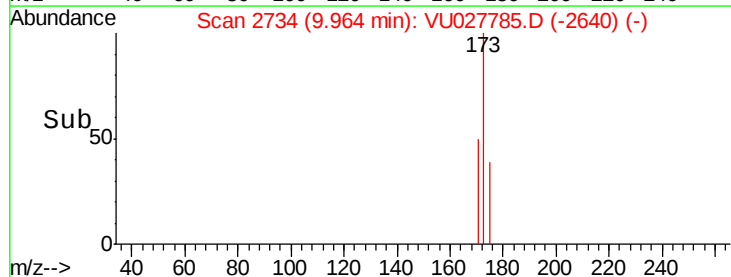
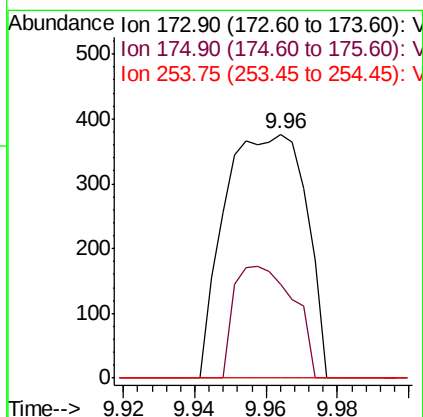
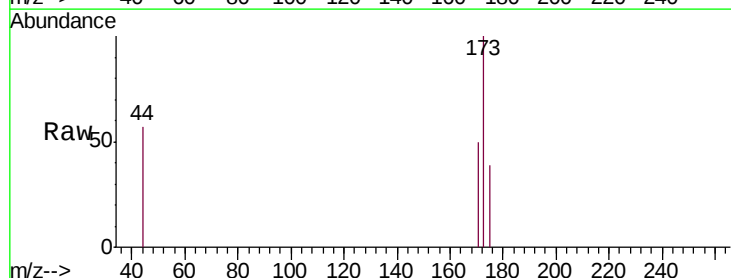
Instrument :
 MSVOA_U
 ClientSampleId :
 MDL02

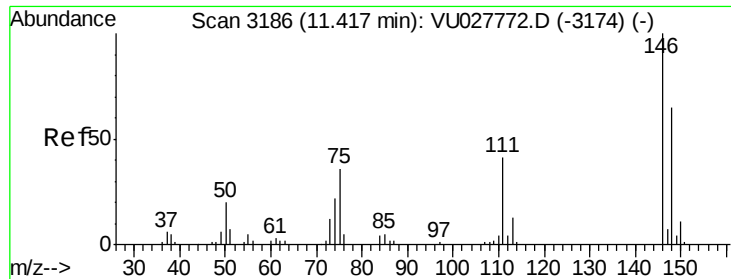
Tgt Ion: 75 Resp: 3534
 Ion Ratio Lower Upper
 75 100
 77 27.6 26.4 39.6



#61
 Bromoform
 Concen: 0.357 ug/L
 RT: 9.96 min Scan# 2734
 Delta R.T. 0.00 min
 Lab File: VU027785.D
 Acq: 24 Oct 2018 14:59

Tgt Ion: 173 Resp: 590
 Ion Ratio Lower Upper
 173 100
 175 33.7 37.7 56.5#
 254 0.0 7.2 10.8#

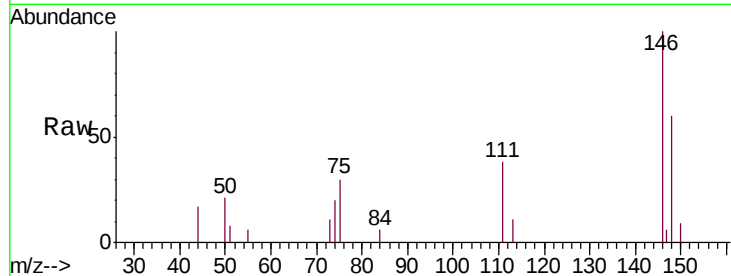




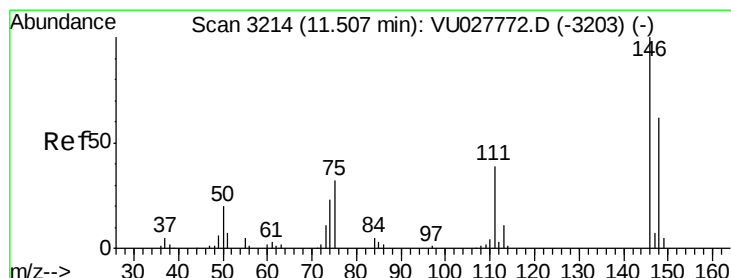
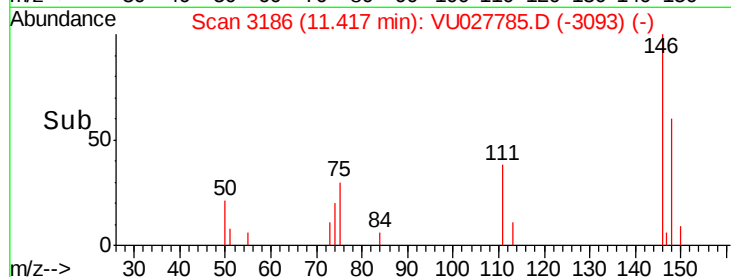
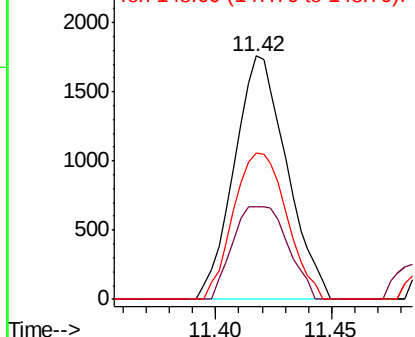
#62
 1,3-Dichlorobenzene
 Concen: 0.401 ug/L
 RT: 11.42 min Scan# 3186
 Delta R.T. 0.00 min
 Lab File: VU027785.D
 Acq: 24 Oct 2018 14:59

Instrument :
 MSVOA_U
 ClientSampleId :
 MDL02

Tgt Ion:146 Resp: 2771
 Ion Ratio Lower Upper
 146 100
 111 37.9 28.6 53.0
 148 60.2 45.1 83.9

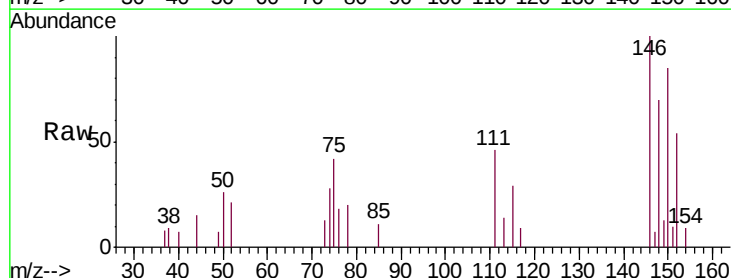


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 111.00 (110.70 to 111.70): V
 Ion 148.00 (147.70 to 148.70): V

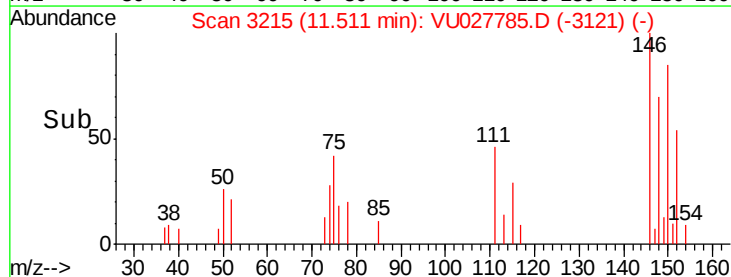
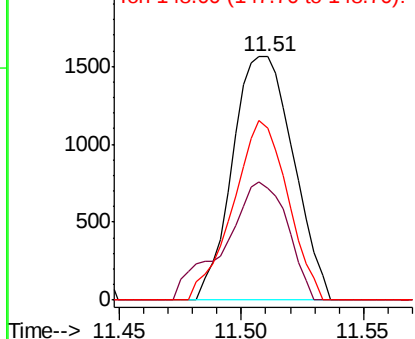


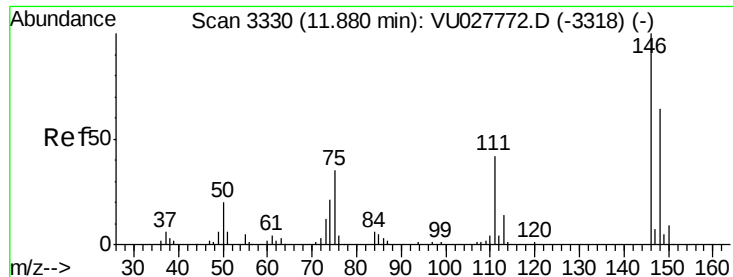
#63
 1,4-Dichlorobenzene
 Concen: 0.387 ug/L
 RT: 11.51 min Scan# 3215
 Delta R.T. 0.00 min
 Lab File: VU027785.D
 Acq: 24 Oct 2018 14:59

Tgt Ion:146 Resp: 2701
 Ion Ratio Lower Upper
 146 100
 111 46.1 27.6 51.4
 148 70.5 43.3 80.3



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





#65

1,2-Dichlorobenzene

Concen: 0.421 ug/L

RT: 11.88 min Scan# 3330

Delta R.T. 0.00 min

Lab File: VU027785.D

Acq: 24 Oct 2018 14:59

Instrument :

MSVOA_U

ClientSampleId :

MDL02

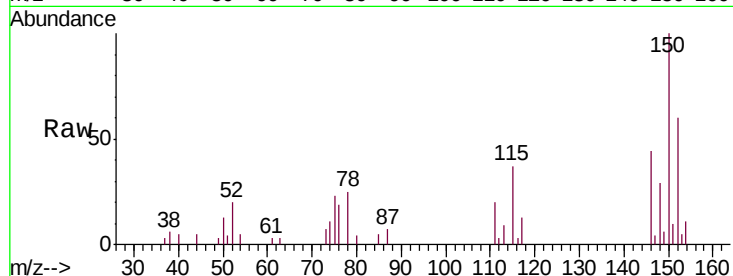
Tgt Ion:146 Resp: 2735

Ion Ratio Lower Upper

146 100

111 45.3 33.7 50.5

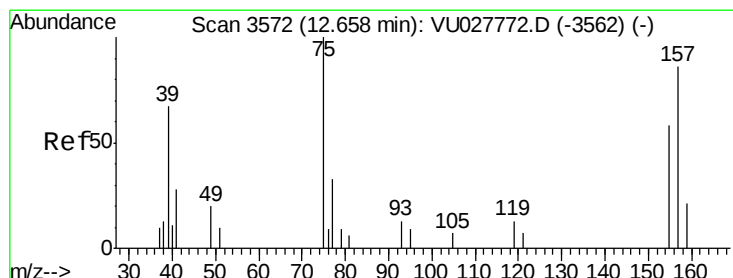
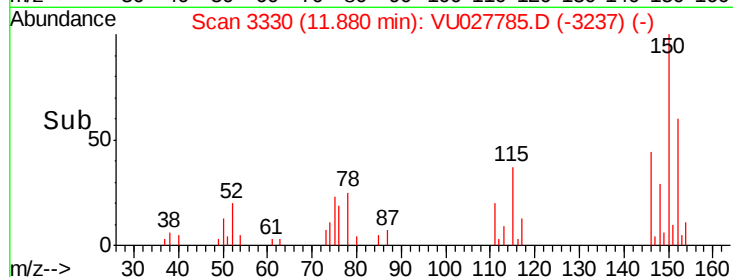
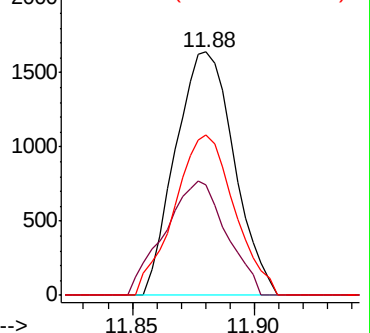
148 65.9 50.8 76.2



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#66

1,2-Dibromo-3-chloropropane

Concen: 0.325 ug/L

RT: 12.66 min Scan# 3573

Delta R.T. 0.00 min

Lab File: VU027785.D

Acq: 24 Oct 2018 14:59

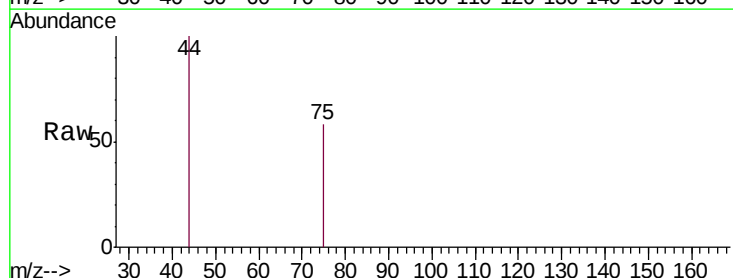
Tgt Ion: 75 Resp: 168

Ion Ratio Lower Upper

75 100

155 0.0 46.2 69.2#

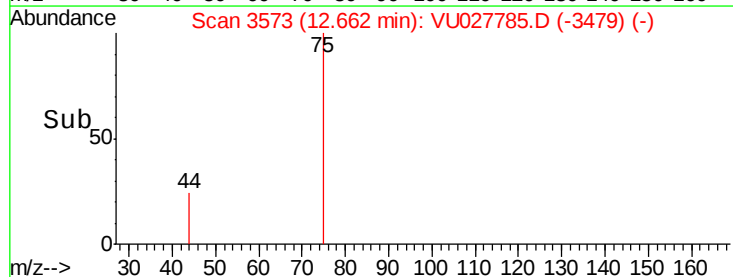
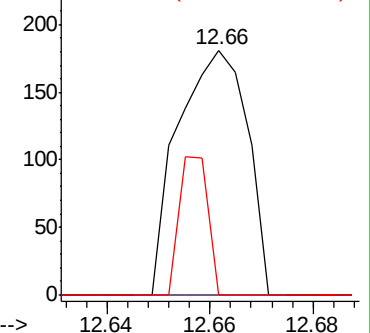
157 0.0 68.9 103.3#

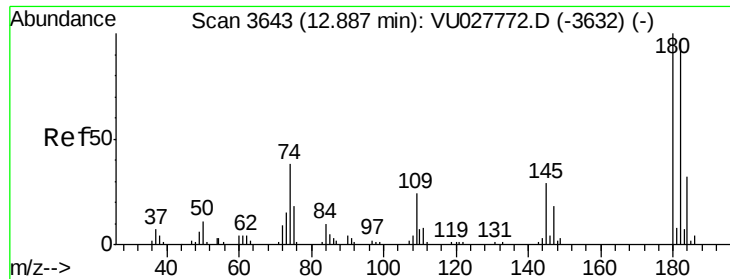


Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V

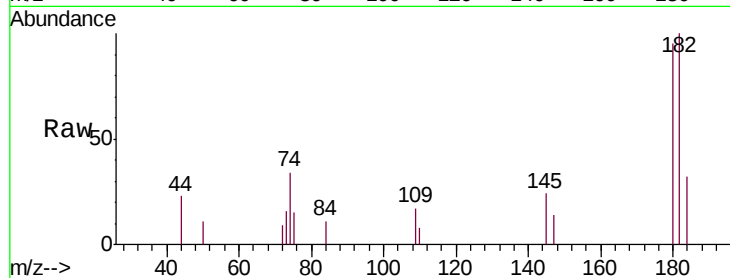




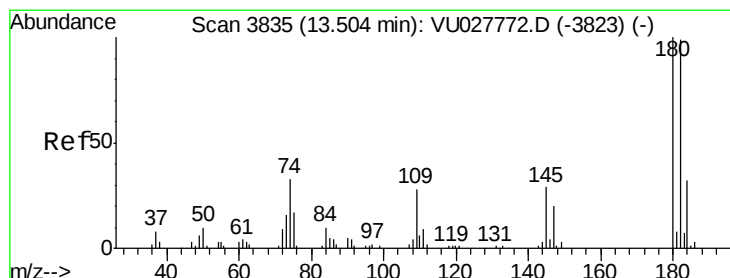
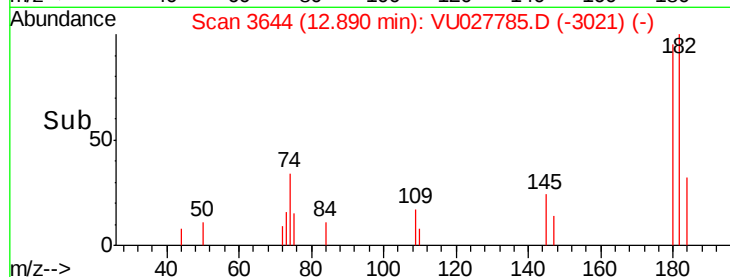
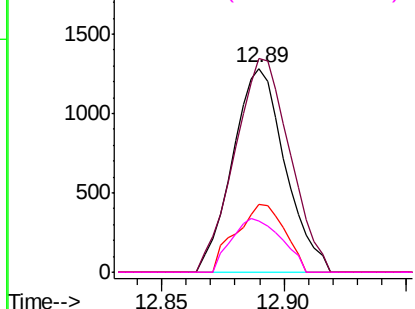
#67
 1,3,5-Trichlorobenzene
 Concen: 0.345 ug/L
 RT: 12.89 min Scan# 3644
 Delta R.T. 0.00 min
 Lab File: VU027785.D
 Acq: 24 Oct 2018 14:59

Instrument :
 MSVOA_U
 ClientSampleID :
 MDL02

Tgt Ion:180 Resp: 1912
 Ion Ratio Lower Upper
 180 100
 182 110.4 78.9 118.3
 184 31.0 24.6 37.0
 145 25.2 23.4 35.0

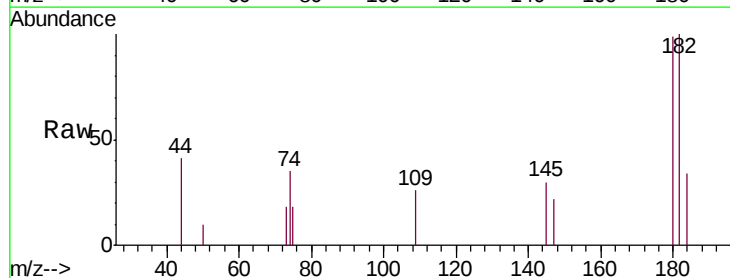


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

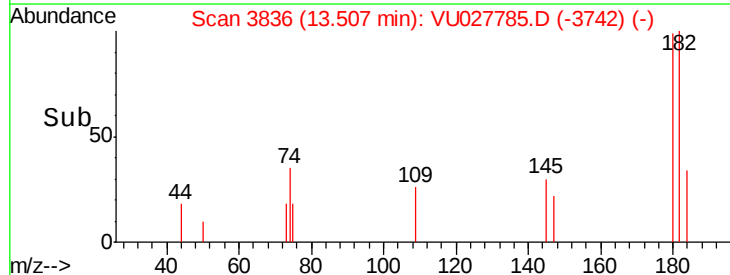
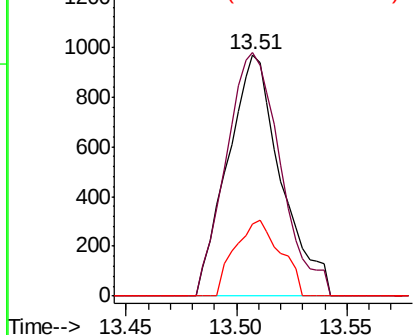


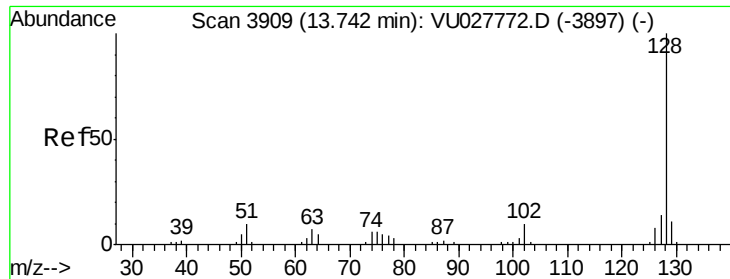
#68
 1,2,4-trichlorobenzene
 Concen: 0.338 ug/L
 RT: 13.51 min Scan# 3836
 Delta R.T. 0.00 min
 Lab File: VU027785.D
 Acq: 24 Oct 2018 14:59

Tgt Ion:180 Resp: 1626
 Ion Ratio Lower Upper
 180 100
 182 102.9 77.6 116.4
 145 26.8 23.7 35.5



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: 0.328 ug/L

RT: 13.75 min Scan# 3911

Delta R.T. 0.01 min

Lab File: VU027785.D

Acq: 24 Oct 2018 14:59

Instrument :

MSVOA_U

ClientSampleId :

MDL02

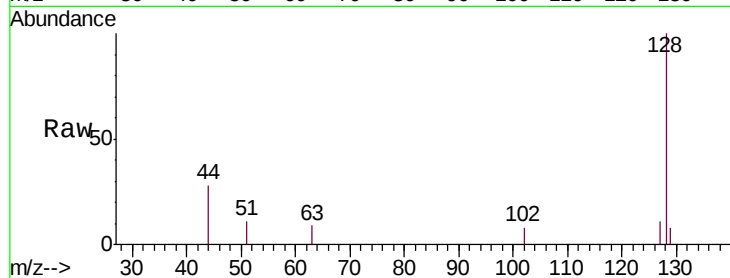
Tgt Ion:128 Resp: 2561

Ion Ratio Lower Upper

128 100

129 2.4 8.8 13.2#

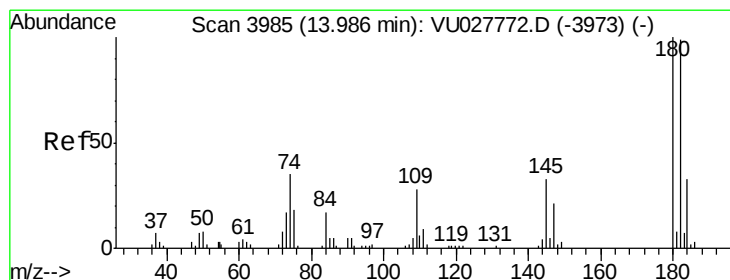
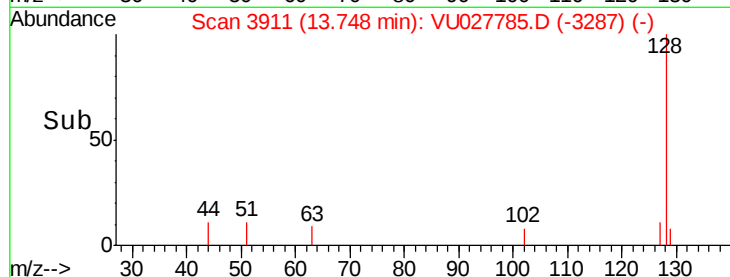
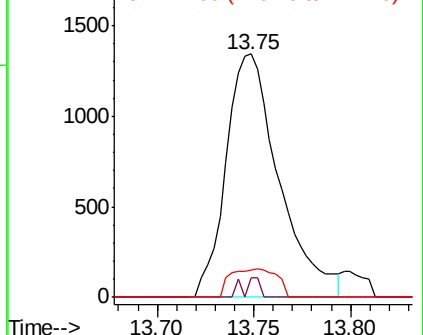
127 10.2 10.7 16.1#



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: 0.323 ug/L

RT: 13.99 min Scan# 3987

Delta R.T. 0.01 min

Lab File: VU027785.D

Acq: 24 Oct 2018 14:59

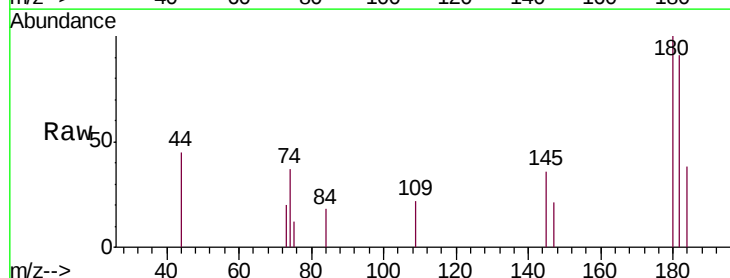
Tgt Ion:180 Resp: 1434

Ion Ratio Lower Upper

180 100

182 101.2 76.9 115.3

145 24.8 24.6 37.0



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

