

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU081718\
 Data File : VU026197.D
 Acq On : 17 Aug 2018 22:38
 Operator : MD/SY
 Sample : VSTDCCC005EC
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Aug 18 01:31:15 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR081718WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Sat Aug 18 01:29:07 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.89	114	137549	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	138822	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.49	152	71384	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	38808	5.34	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	106.80%
7) Chloroethane-d5	1.68	69	31514	5.33	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	106.60%
11) 1,1-Dichloroethene-d2	2.28	63	80169	5.27	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	105.40%
20) 2-Butanone-d5	4.20	46	111961	53.98	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	107.96%
24) Chloroform-d	4.65	84	87321	5.32	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	106.40%
26) 1,2-Dichloroethane-d4	5.32	65	46230	5.15	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	103.00%
32) Benzene-d6	5.35	84	166556	5.12	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	102.40%
36) 1,2-Dichloropropane-d6	6.34	67	53715	5.23	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	104.60%
41) Toluene-d8	7.57	98	166476	5.34	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	106.80%
43) trans-1,3-Dichloropropene-	7.85	79	20556	4.95	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	99.00%
46) 2-Hexanone-d5	8.32	63	92041	53.22	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	106.44%
57) 1,1,2,2-Tetrachloroethane-	10.44	84	43995	5.18	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	103.60%
64) 1,2-Dichlorobenzene-d4	11.86	152	62703	5.02	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	100.40%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	1.21	85	61899	4.970	ug/L	99
3) Chloromethane	1.33	50	58515	4.993	ug/L	100
5) Vinyl chloride	1.41	62	59143	5.229	ug/L	98
6) Bromomethane	1.63	94	29379	4.748	ug/L	91
8) Chloroethane	1.70	64	33030	5.124	ug/L	94
9) Trichlorofluoromethane	1.89	101	82020	5.086	ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.29	101	44574	5.137	ug/L	98
12) 1,1-Dichloroethene	2.29	96	41719	5.218	ug/L	93
13) Acetone	2.33	43	71974	52.396	ug/L	97
14) Carbon disulfide	2.48	76	143081	5.055	ug/L	98
15) Methyl Acetate	2.62	43	18925	5.110	ug/L	94
16) Methylene chloride	2.71	84	44841	4.731	ug/L	96
17) Methyl tert-butyl Ether	3.01	73	101862	5.190	ug/L	100
18) trans-1,2-Dichloroethene	2.99	96	44300	5.027	ug/L	93
19) 1,1-Dichloroethane	3.45	63	84172	5.091	ug/L	98
21) 2-Butanone	4.28	43	127728	52.980	ug/L	97
22) cis-1,2-Dichloroethene	4.23	96	54155	4.954	ug/L	94

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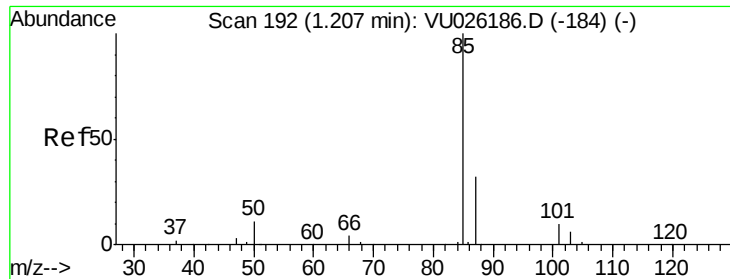
Instrument :
 MSVOA_U
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

23) Bromochloromethane	4.56	128	24816	5.027	ug/L	98
25) Chloroform	4.68	83	104918	5.210	ug/L	99
27) 1,2-Dichloroethane	5.41	62	60738	5.077	ug/L	99
29) 1,1,1-Trichloroethane	4.92	97	91722	5.101	ug/L	99
30) Cyclohexane	5.00	56	72375	4.729	ug/L	98
31) Carbon tetrachloride	5.14	117	83947	5.132	ug/L	99
33) Benzene	5.39	78	203766	5.056	ug/L	100
34) Trichloroethene	6.19	95	54511	5.023	ug/L	99
35) Methylcyclohexane	6.42	83	78043	4.853	ug/L	98
37) 1,2-Dichloropropane	6.44	63	55458	5.116	ug/L #	95
38) Bromodichloromethane	6.76	83	70367	5.121	ug/L	95
39) cis-1,3-Dichloropropene	7.27	75	69094	4.872	ug/L	97
40) 4-Methyl-2-pentanone	7.47	43	298547	51.268	ug/L	99
42) Toluene	7.64	91	223313	5.252	ug/L	99
44) trans-1,3-Dichloropropene	7.88	75	60603	4.960	ug/L	96
45) 1,1,2-Trichloroethane	8.07	97	36993	4.982	ug/L	98
47) Tetrachloroethene	8.23	164	47172	4.969	ug/L	97
48) 2-Hexanone	8.37	43	218794	53.831	ug/L	99
49) Dibromochloromethane	8.48	129	50532	5.186	ug/L	98
50) 1,2-Dibromoethane	8.59	107	36544	5.173	ug/L	97
51) Chlorobenzene	9.12	112	142286	4.989	ug/L	98
52) Ethylbenzene	9.25	91	228031	5.089	ug/L	100
53) m,p-xylene	9.38	106	92142	5.351	ug/L	98
54) o-xylene	9.78	106	87043	5.282	ug/L	94
55) Styrene	9.80	104	150260	5.356	ug/L	97
56) Isopropylbenzene	10.17	105	226637	5.200	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	10.46	83	46731	5.132	ug/L #	98
59) 1,2,3-Trichloropropane	10.50	75	33843	5.168	ug/L	91
61) Bromoform	9.96	173	28635	5.241	ug/L	99
62) 1,3-Dichlorobenzene	11.42	146	107800	4.820	ug/L	99
63) 1,4-Dichlorobenzene	11.51	146	113409	4.809	ug/L	98
65) 1,2-Dichlorobenzene	11.88	146	109432	4.938	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.66	75	7570	4.960	ug/L	92
67) 1,3,5-Trichlorobenzene	12.89	180	87092	5.002	ug/L	99
68) 1,2,4-trichlorobenzene	13.51	180	62315	4.622	ug/L	99
69) Naphthalene	13.75	128	90748	4.515	ug/L	99
70) 1,2,3-Trichlorobenzene	13.99	180	60437	4.702	ug/L	99

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



#2

Dichlorodifluoromethane

Concen: 4.970 ug/L

RT: 1.21 min Scan# 192

Delta R.T. 0.00 min

Lab File: VU026197.D

Acq: 17 Aug 2018 22:38

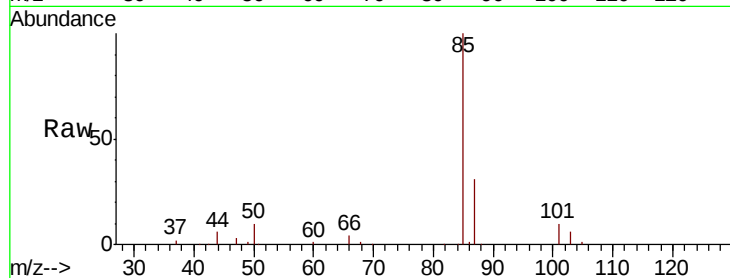
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 85 Resp: 61899

Ion Ratio Lower Upper

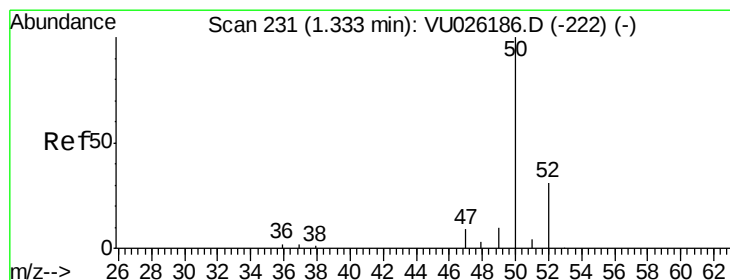
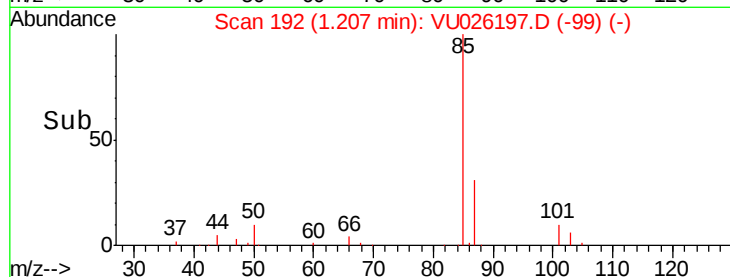
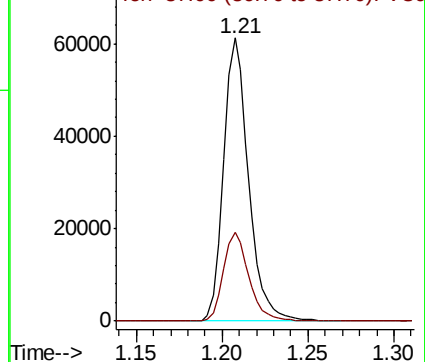
85 100

87 31.9 25.3 37.9



Abundance Ion 85.00 (84.70 to 85.70): VU0

Ion 87.00 (86.70 to 87.70): VU0



#3

Chloromethane

Concen: 4.993 ug/L

RT: 1.33 min Scan# 231

Delta R.T. 0.00 min

Lab File: VU026197.D

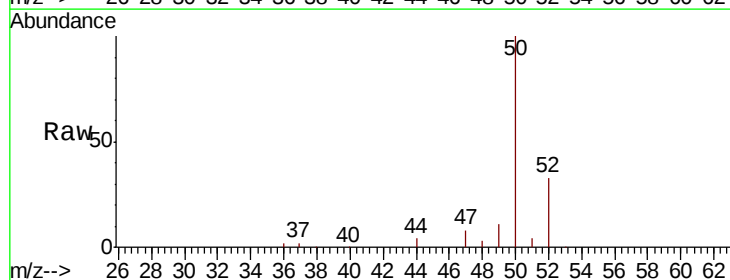
Acq: 17 Aug 2018 22:38

Tgt Ion: 50 Resp: 58515

Ion Ratio Lower Upper

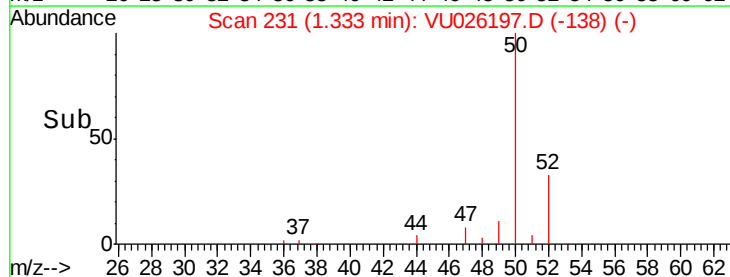
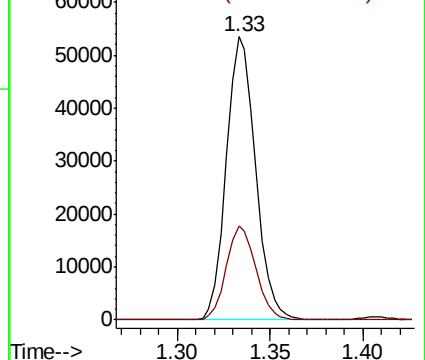
50 100

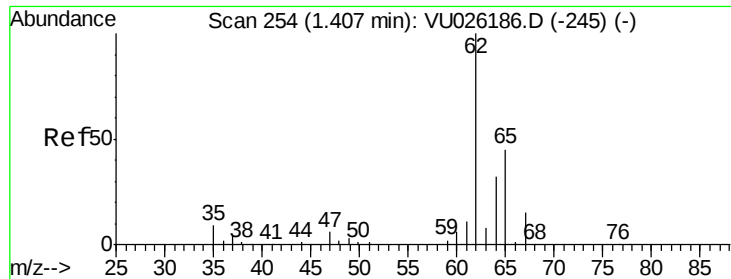
52 33.0 23.1 42.9



Abundance Ion 50.05 (49.75 to 50.75): VU0

Ion 52.05 (51.75 to 52.75): VU0





#5

Vinyl chloride

Concen: 5.229 ug/L

RT: 1.41 min Scan# 254

Delta R.T. 0.00 min

Lab File: VU026197.D

Acq: 17 Aug 2018 22:38

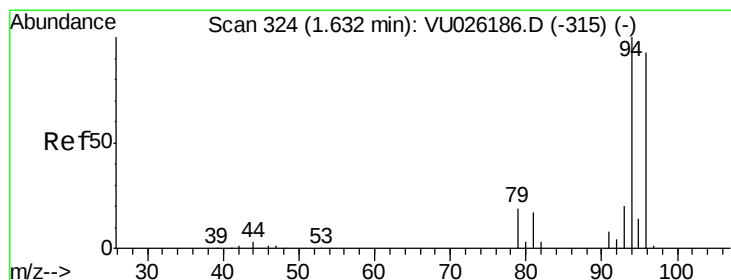
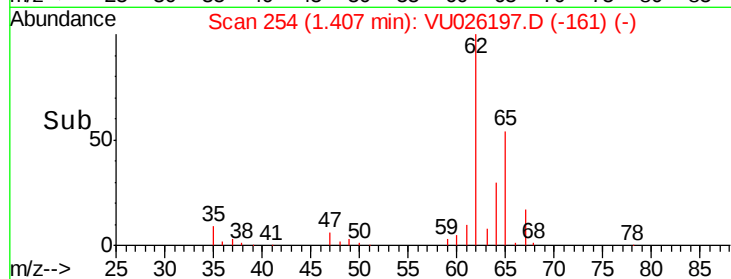
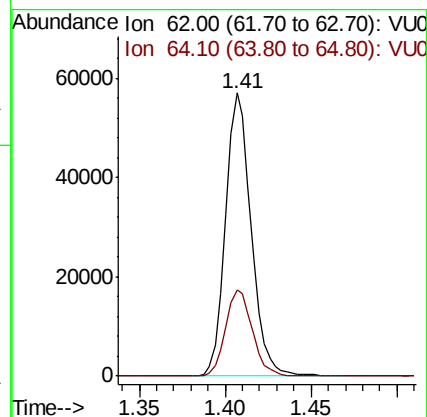
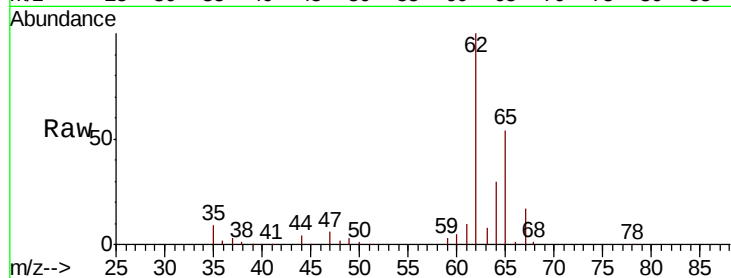
Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 62 Resp: 59143

Ion Ratio Lower Upper

62 100

64 30.5 22.0 40.8



#6

Bromomethane

Concen: 4.748 ug/L

RT: 1.63 min Scan# 324

Delta R.T. 0.00 min

Lab File: VU026197.D

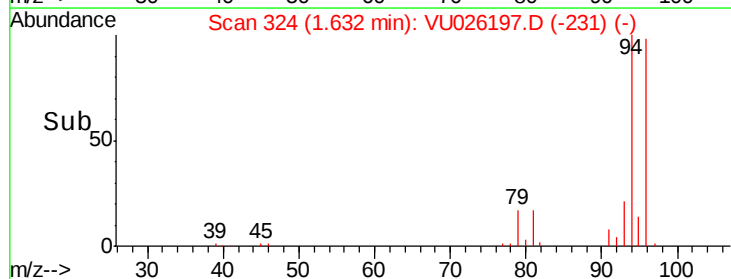
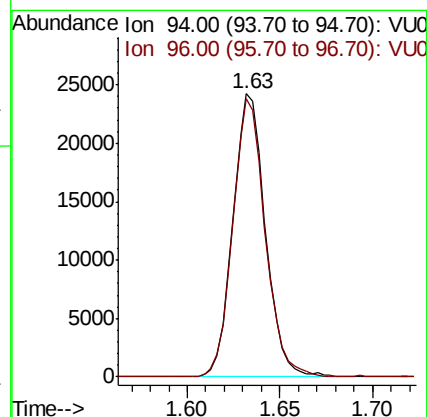
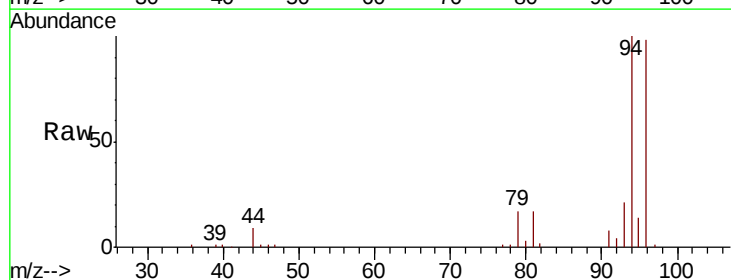
Acq: 17 Aug 2018 22:38

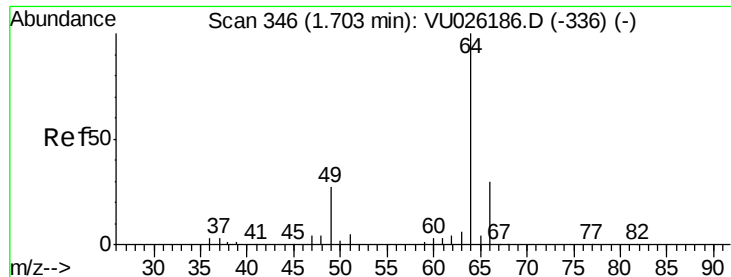
Tgt Ion: 94 Resp: 29379

Ion Ratio Lower Upper

94 100

96 98.3 63.1 117.1





#8

Chloroethane

Concen: 5.124 ug/L

RT: 1.70 min Scan# 346

Delta R.T. 0.00 min

Lab File: VU026197.D

Acq: 17 Aug 2018 22:38

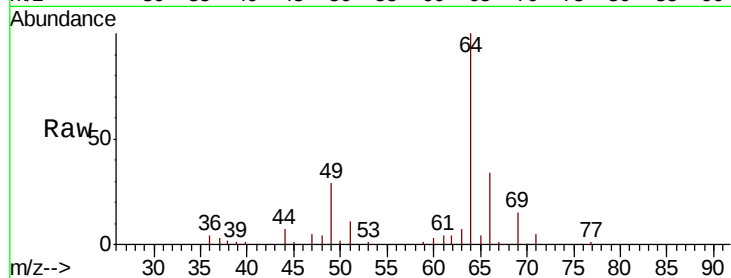
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 64 Resp: 33030

Ion Ratio Lower Upper

64 100

66 33.5 21.1 39.1



Abundance Ion 64.10 (63.80 to 64.80): VU026186.D (-336) (-)

Ion 66.05 (65.75 to 66.75): VU026186.D (-336) (-)

1.70

25000

20000

15000

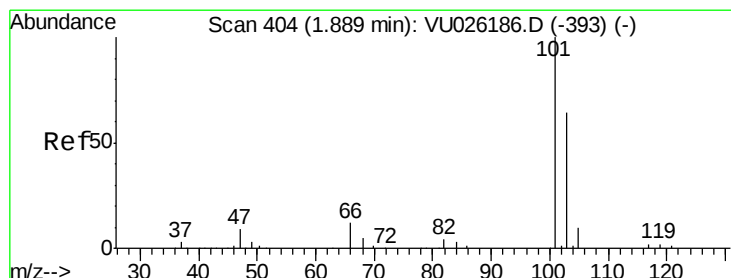
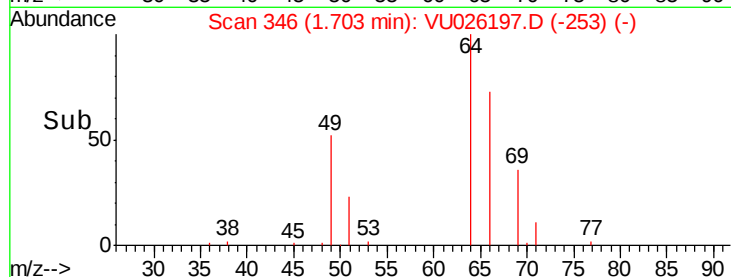
10000

5000

0

Time-->

1.65 1.70 1.75



#9

Trichlorofluoromethane

Concen: 5.086 ug/L

RT: 1.89 min Scan# 405

Delta R.T. 0.00 min

Lab File: VU026197.D

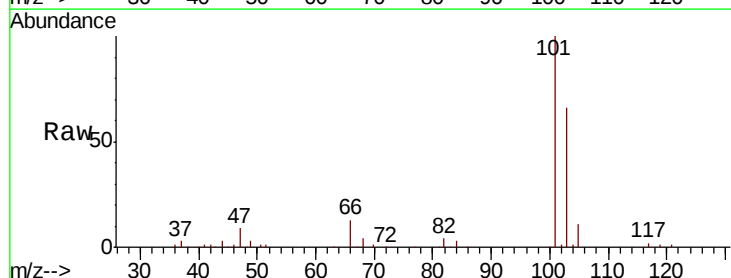
Acq: 17 Aug 2018 22:38

Tgt Ion:101 Resp: 82020

Ion Ratio Lower Upper

101 100

103 66.2 52.4 78.6



Abundance Ion 101.00 (100.70 to 101.70): VU026186.D (-393) (-)

Ion 103.00 (102.70 to 103.70): VU026186.D (-393) (-)

1.89

60000

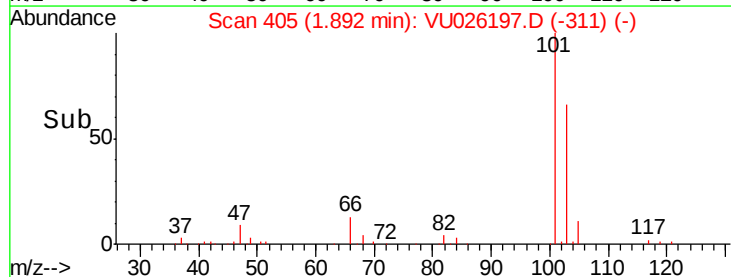
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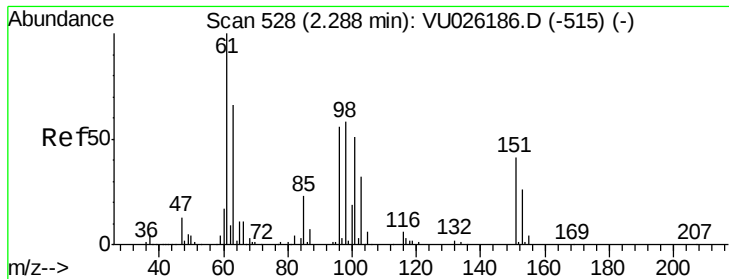
20000

0

Time-->

1.85 1.90 1.95





#10

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

Concen: 5.137 ug/L

RT: 2.29 min Scan# 529

Delta R.T. 0.00 min

Lab File: VU026197.D

Acq: 17 Aug 2018 22:38

Instrument :

MSVOA_U

ClientSampled :

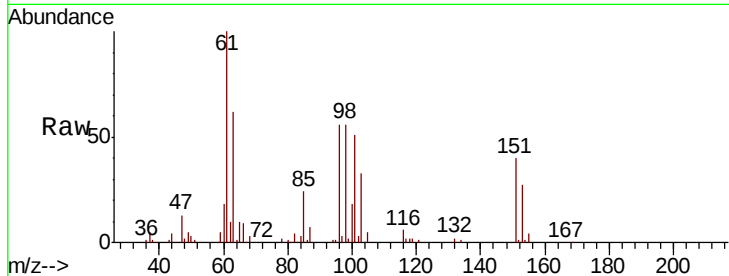
Tot Ion:101 Resp: 44574

Ion Ratio Lower Upper

101 100

85 44.3 36.6 54.8

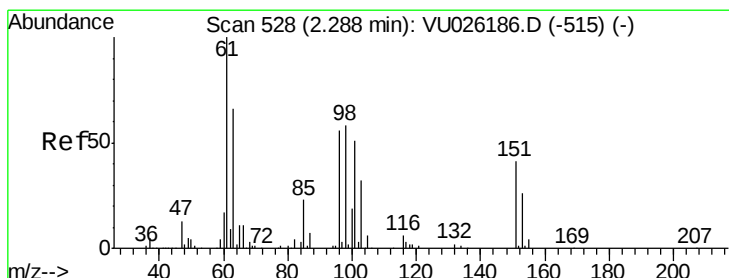
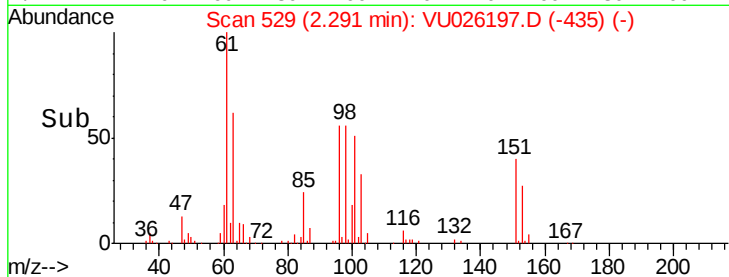
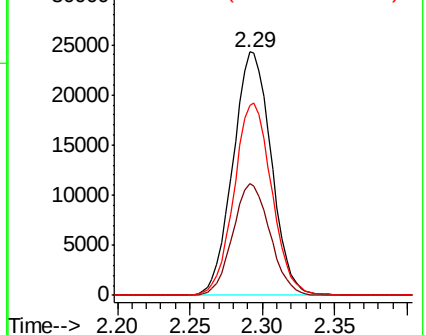
151 77.9 63.4 95.2



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: 5.218 ug/L

RT: 2.29 min Scan# 529

Delta R.T. 0.00 min

Lab File: VU026197.D

Acq: 17 Aug 2018 22:38

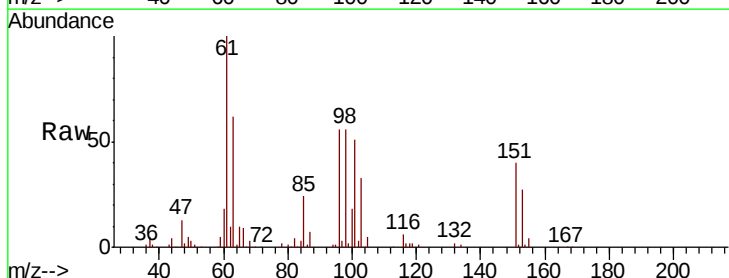
Tgt Ion: 96 Resp: 41719

Ion Ratio Lower Upper

96 100

61 179.1 125.3 232.7

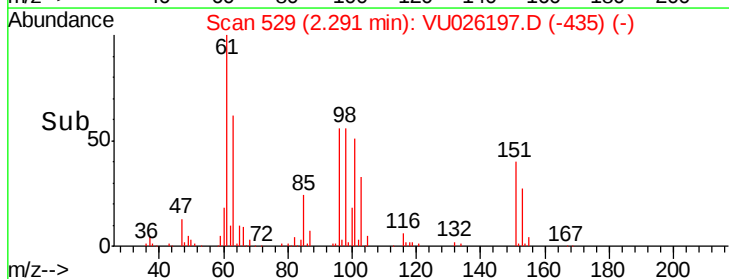
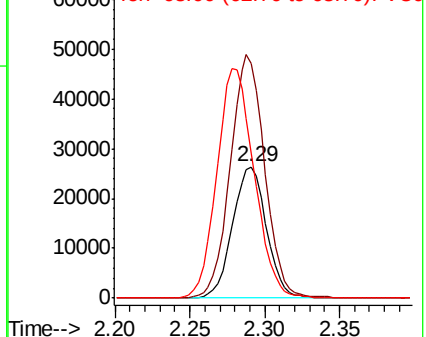
63 110.4 90.9 168.9

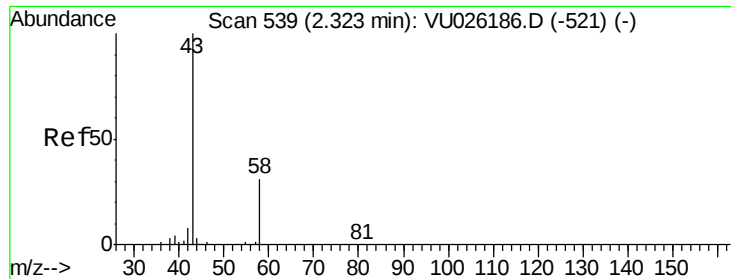


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 52.396 ug/L

RT: 2.33 min Scan# 540

Delta R.T. 0.00 min

Lab File: VU026197.D

Acq: 17 Aug 2018 22:38

Instrument :

MSVOA_U

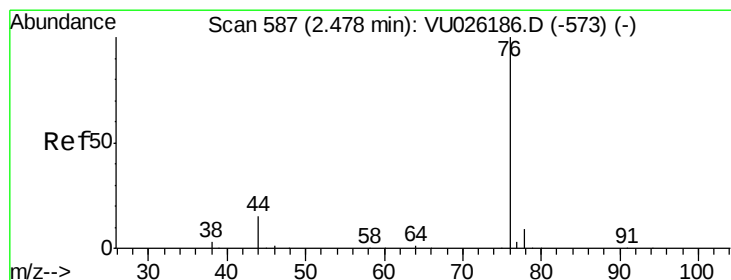
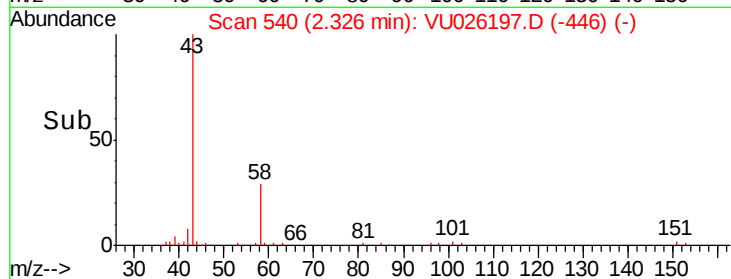
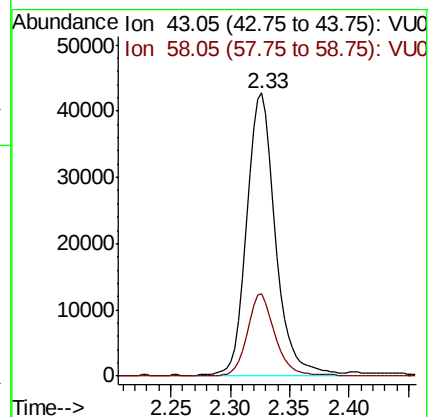
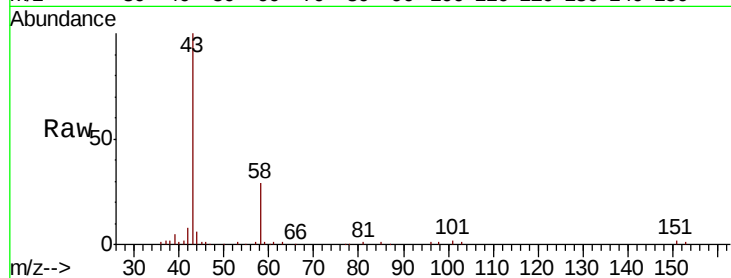
ClientSampleId :

Tot Ion: 43 Resp: 71974

Ion Ratio Lower Upper

43 100

58 27.9 0.0 59.0



#14

Carbon disulfide

Concen: 5.055 ug/L

RT: 2.48 min Scan# 588

Delta R.T. 0.00 min

Lab File: VU026197.D

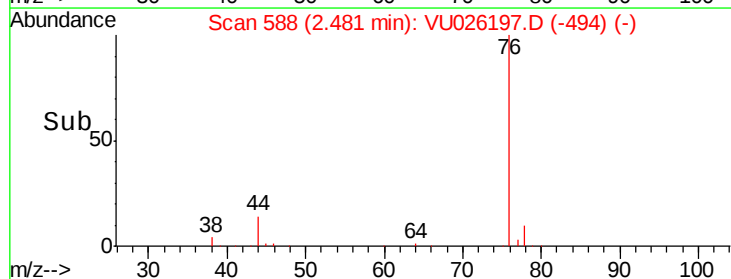
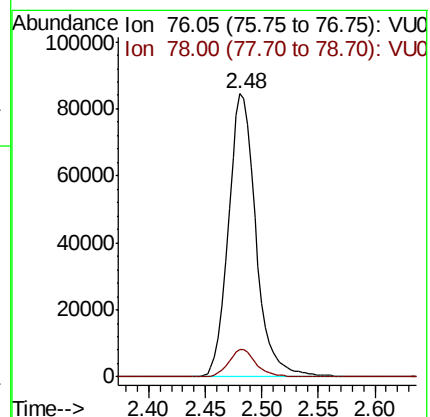
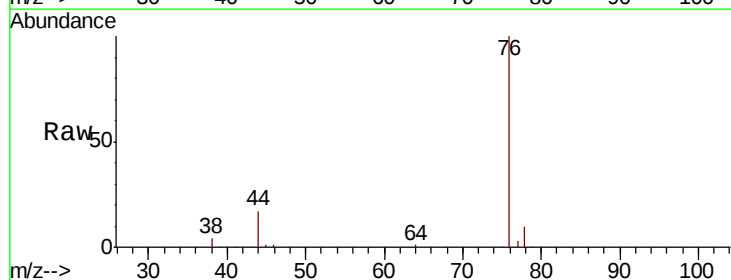
Acq: 17 Aug 2018 22:38

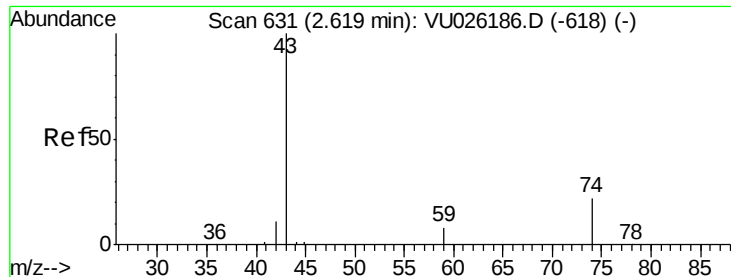
Tgt Ion: 76 Resp: 143081

Ion Ratio Lower Upper

76 100

78 9.8 7.4 11.0





#15

Methyl Acetate

Concen: 5.110 ug/L

RT: 2.62 min Scan# 632

Delta R.T. 0.00 min

Lab File: VU026197.D

Acq: 17 Aug 2018 22:38

Instrument :

MSVOA_U

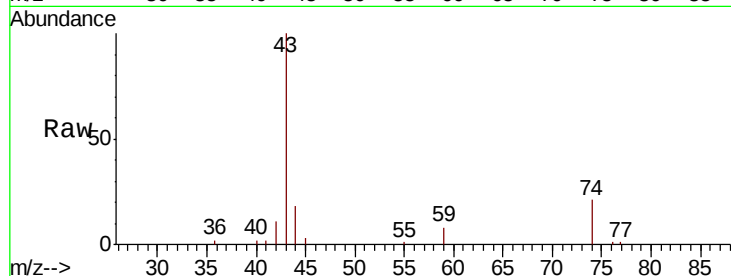
ClientSampleId :

Tot Ion: 43 Resp: 18925

Ion Ratio Lower Upper

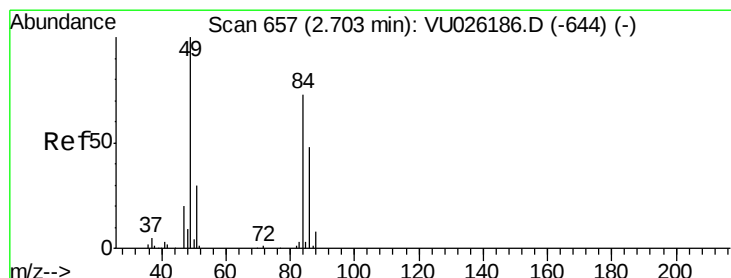
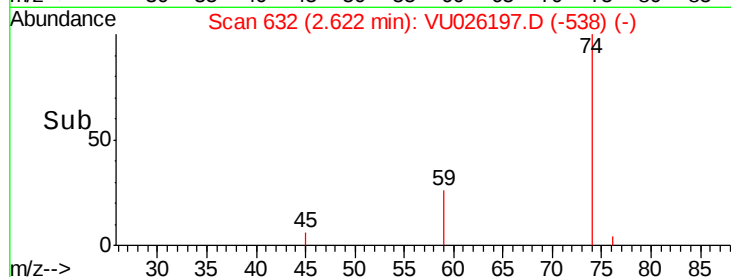
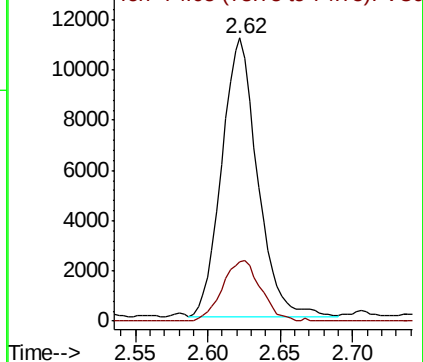
43 100

74 23.3 16.6 24.8



Abundance Ion 43.05 (42.75 to 43.75): VU0

Ion 74.05 (73.75 to 74.75): VU0



#16

Methylene chloride

Concen: 4.731 ug/L

RT: 2.71 min Scan# 658

Delta R.T. 0.00 min

Lab File: VU026197.D

Acq: 17 Aug 2018 22:38

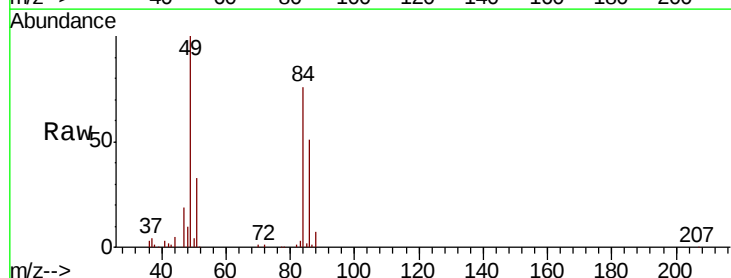
Tgt Ion: 84 Resp: 44841

Ion Ratio Lower Upper

84 100

86 67.4 48.6 90.2

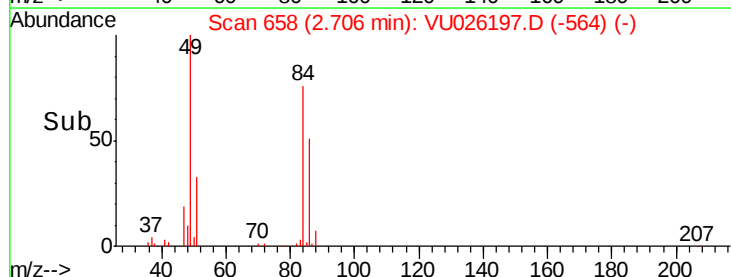
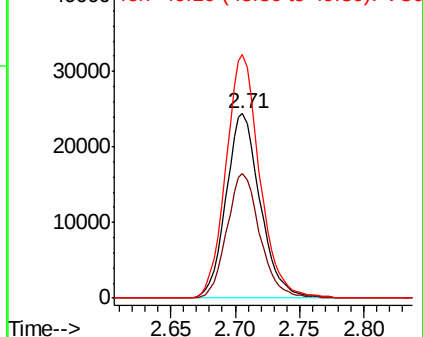
49 132.1 89.0 165.4

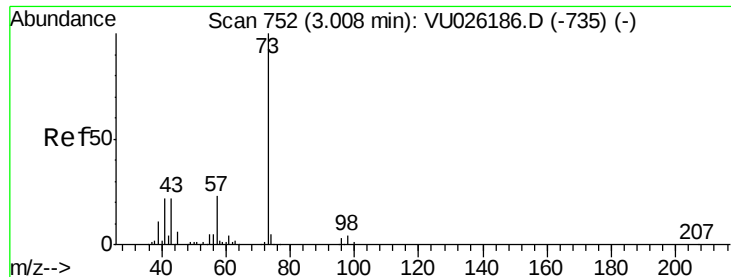


Abundance Ion 84.05 (83.75 to 84.75): VU0

Ion 86.00 (85.70 to 86.70): VU0

Ion 49.10 (48.80 to 49.80): VU0

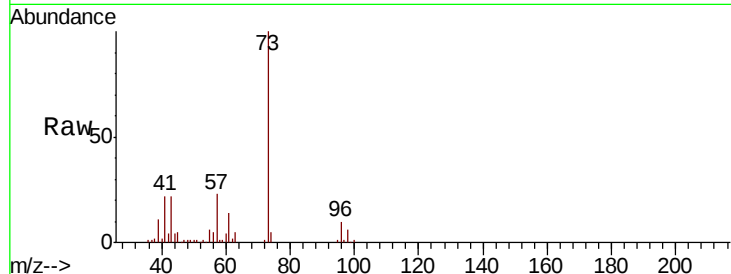




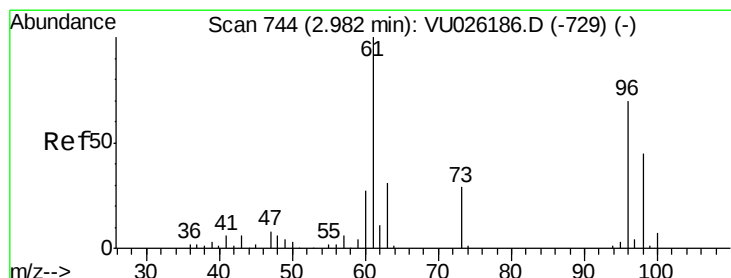
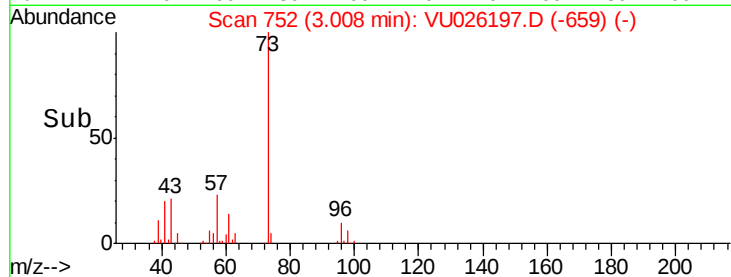
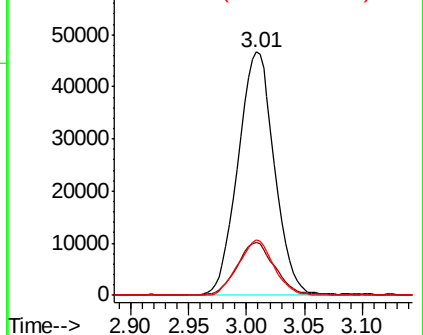
#17
Methvl tert-butvl Ether
Concen: 5.190 ug/L
RT: 3.01 min Scan# 752
Delta R.T. 0.00 min
Lab File: VU026197.D
Acq: 17 Aug 2018 22:38

Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 73 Resp: 101862
Ion Ratio Lower Upper
73 100
43 22.6 18.2 27.2
57 22.2 17.5 26.3

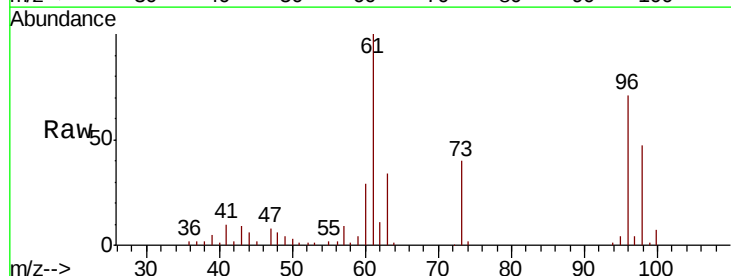


Abundance Ion 73.10 (72.80 to 73.80): VU0
Ion 43.05 (42.75 to 43.75): VU0
Ion 57.10 (56.80 to 57.80): VU0

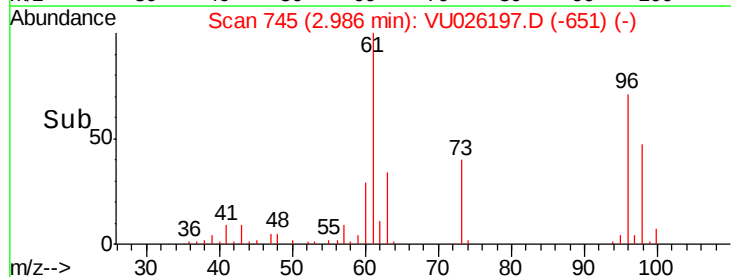
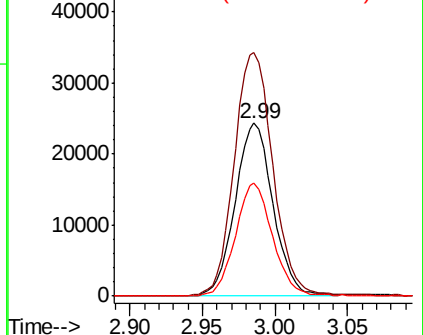


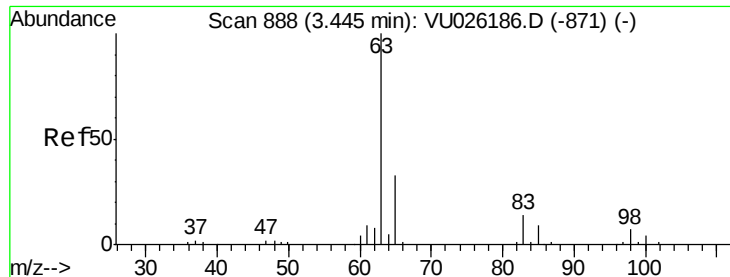
#18
trans-1,2-Dichloroethene
Concen: 5.027 ug/L
RT: 2.99 min Scan# 745
Delta R.T. 0.00 min
Lab File: VU026197.D
Acq: 17 Aug 2018 22:38

Tgt Ion: 96 Resp: 44300
Ion Ratio Lower Upper
96 100
61 140.7 107.0 198.6
98 65.7 44.4 82.5



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

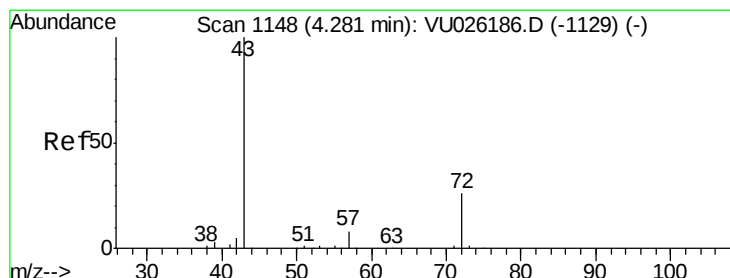
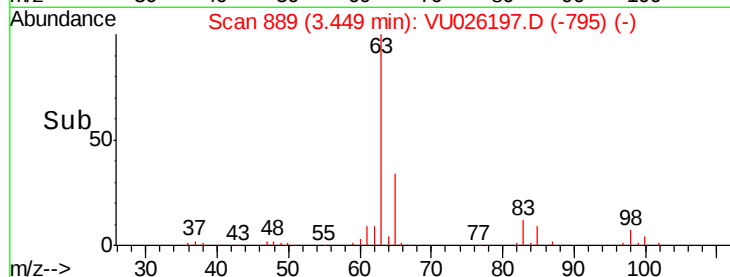
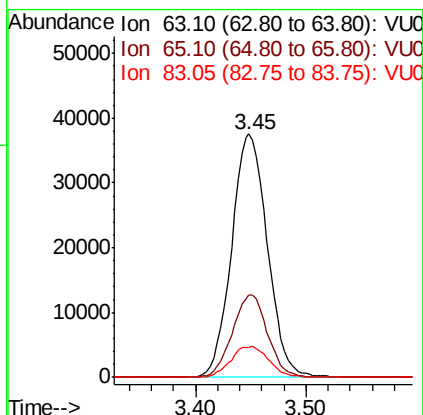
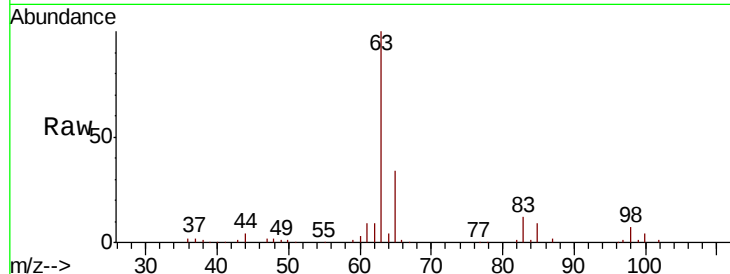




#19
 1,1-Dichloroethane
 Concen: 5.091 ug/L
 RT: 3.45 min Scan# 889
 Delta R.T. 0.00 min
 Lab File: VU026197.D
 Acq: 17 Aug 2018 22:38

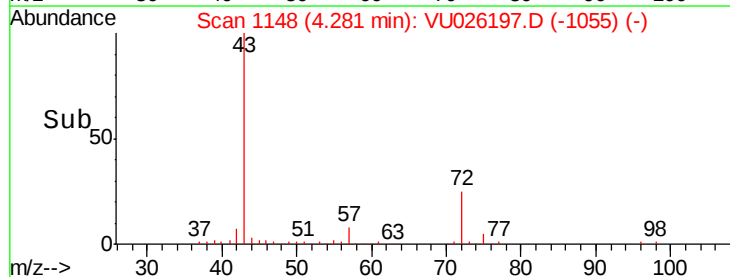
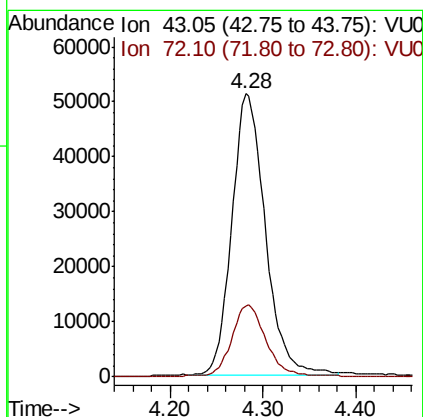
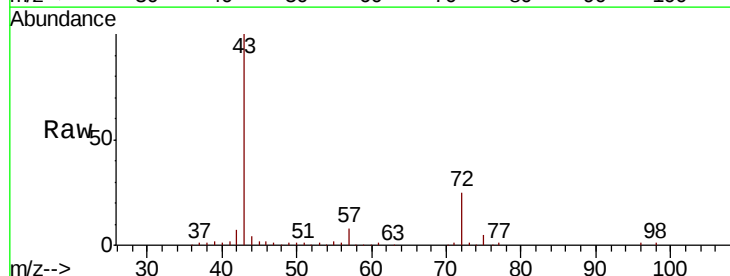
Instrument :
 MSVOA_U
 ClientSampled :

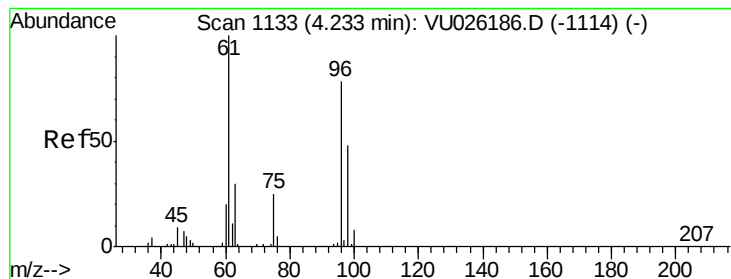
Tot Ion: 63 Resp: 84172
 Ion Ratio Lower Upper
 63 100
 65 33.7 23.2 43.0
 83 12.4 10.1 18.9



#21
 2-Butanone
 Concen: 52.980 ug/L
 RT: 4.28 min Scan# 1148
 Delta R.T. 0.00 min
 Lab File: VU026197.D
 Acq: 17 Aug 2018 22:38

Tgt Ion: 43 Resp: 127728
 Ion Ratio Lower Upper
 43 100
 72 25.0 13.3 39.9





#22

cis-1,2-Dichloroethene

Concen: 4.954 ug/L

RT: 4.23 min Scan# 1132

Delta R.T. -0.00 min

Lab File: VU026197.D

Acq: 17 Aug 2018 22:38

Instrument :
MSVOA_U
ClientSampleId :

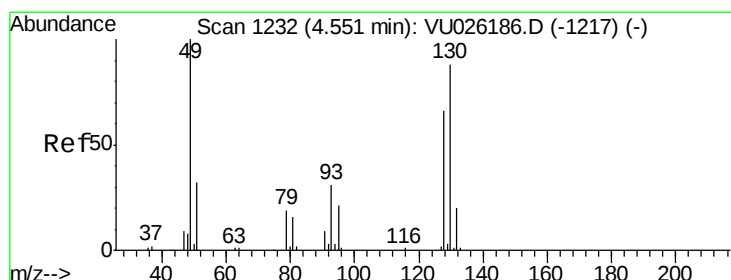
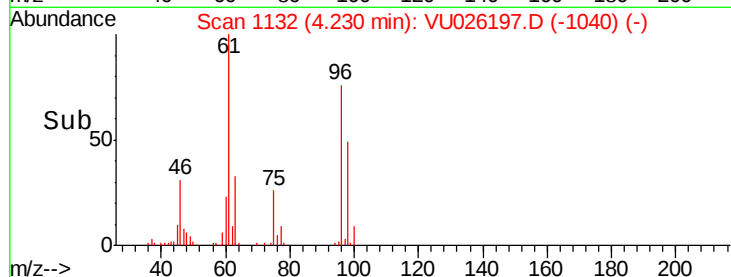
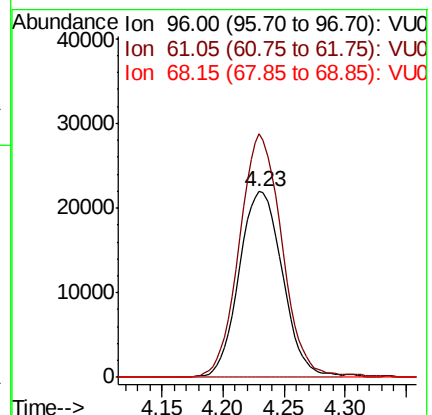
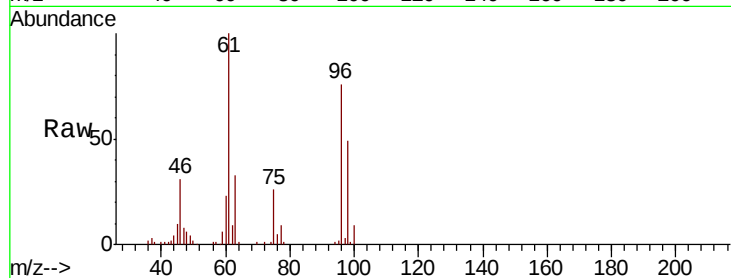
Tot Ion: 96 Resp: 54155

Ion Ratio Lower Upper

96 100

61 131.2 87.1 161.7

68 0.0 0.0 0.0



#23

Bromochloromethane

Concen: 5.027 ug/L

RT: 4.56 min Scan# 1234

Delta R.T. 0.01 min

Lab File: VU026197.D

Acq: 17 Aug 2018 22:38

Tgt Ion:128 Resp: 24816

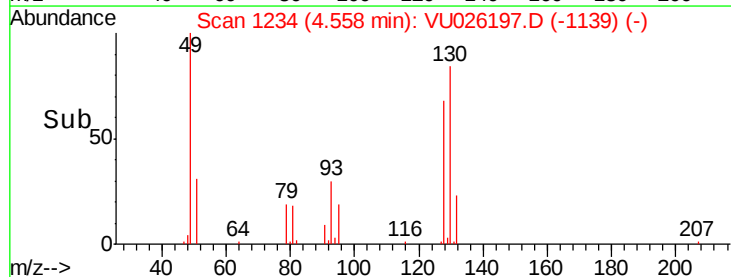
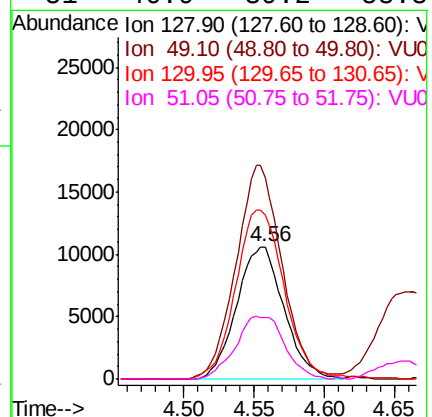
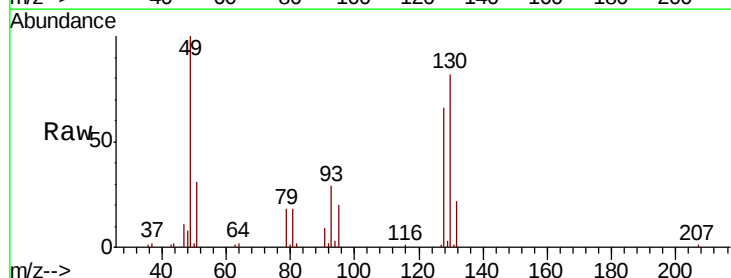
Ion Ratio Lower Upper

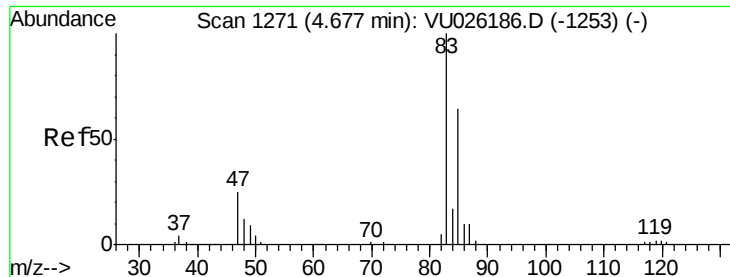
128 100

49 152.0 107.6 199.8

130 124.1 88.2 163.8

51 46.9 39.2 58.8

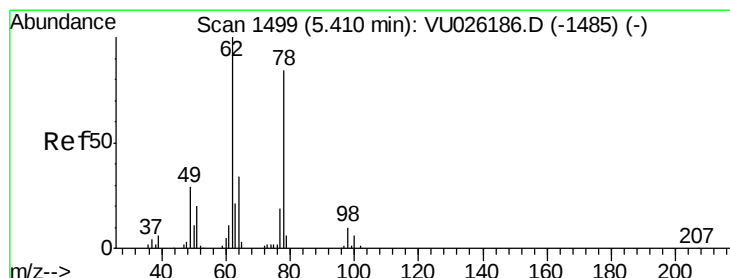
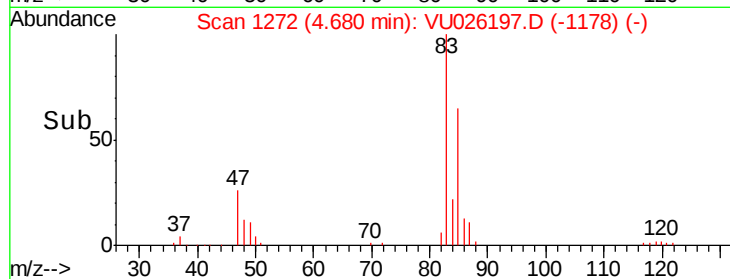
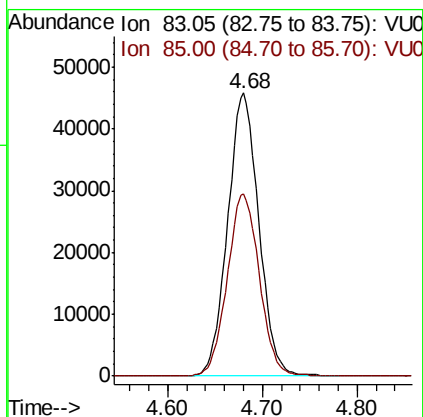
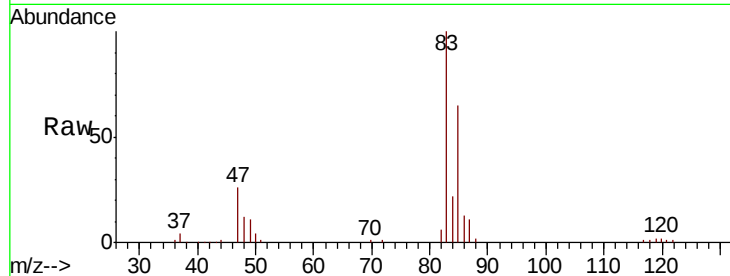




#25
Chloroform
Concen: 5.210 ug/L
RT: 4.68 min Scan# 1272
Delta R.T. 0.00 min
Lab File: VU026197.D
Acq: 17 Aug 2018 22:38

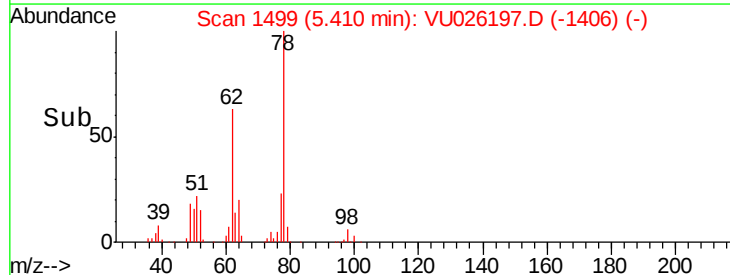
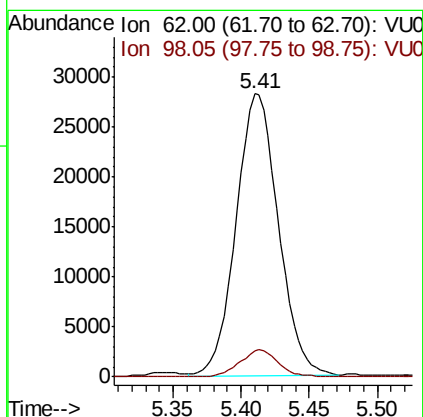
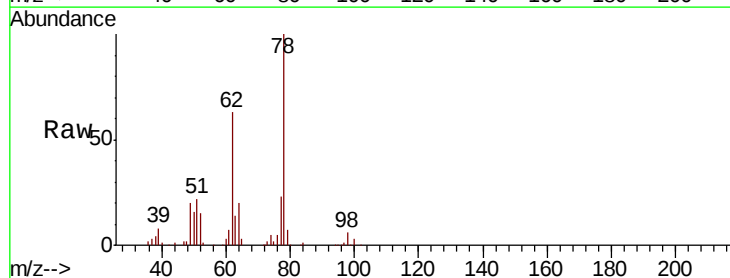
Instrument :
MSVOA_U
ClientSampleId :

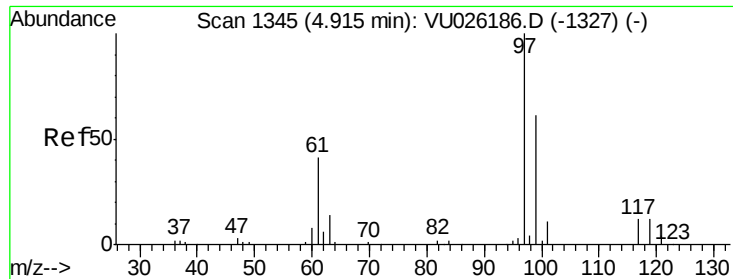
Tot Ion: 83 Resp: 104918
Ion Ratio Lower Upper
83 100
85 64.5 45.5 84.5



#27
1,2-Dichloroethane
Concen: 5.077 ug/L
RT: 5.41 min Scan# 1499
Delta R.T. 0.00 min
Lab File: VU026197.D
Acq: 17 Aug 2018 22:38

Tgt Ion: 62 Resp: 60738
Ion Ratio Lower Upper
62 100
98 9.0 6.9 10.3

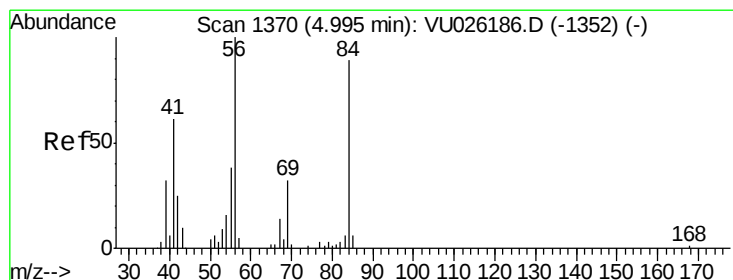
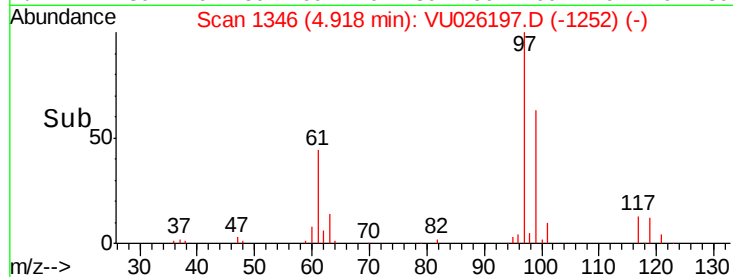
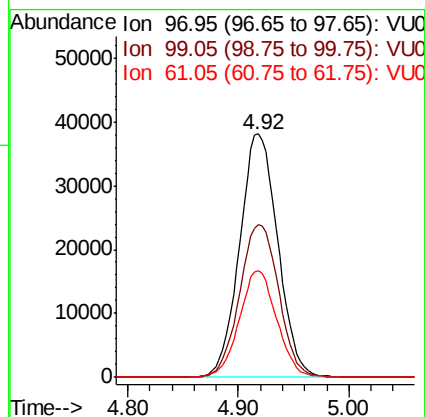
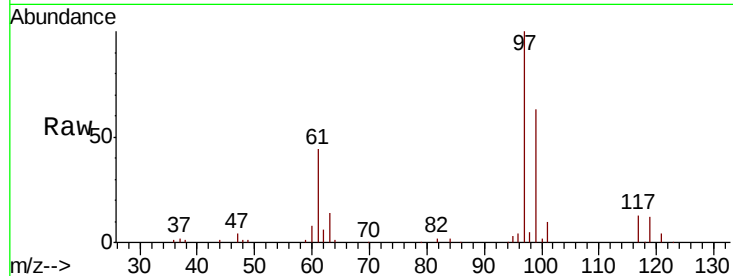




#29
 1,1,1-Trichloroethane
 Concen: 5.101 ug/L
 RT: 4.92 min Scan# 1346
 Delta R.T. 0.00 min
 Lab File: VU026197.D
 Acq: 17 Aug 2018 22:38

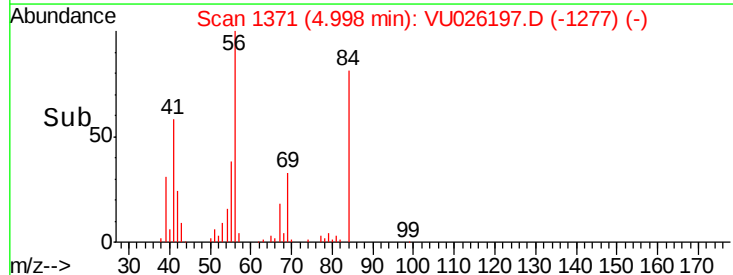
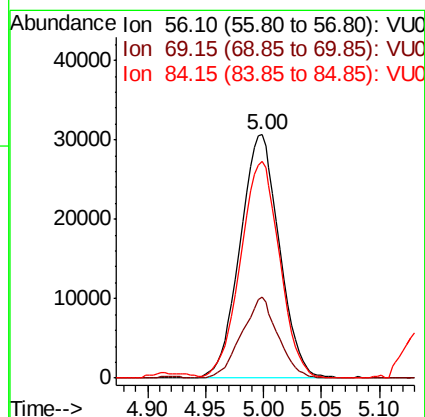
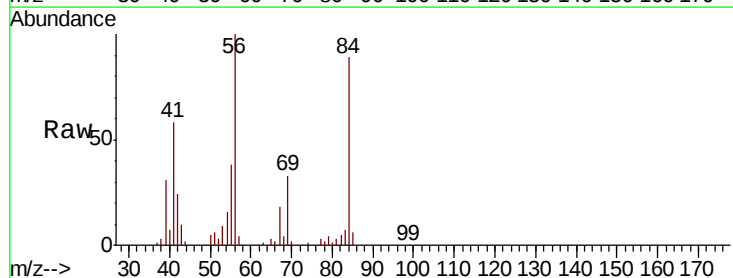
Instrument :
 MSVOA_U
 ClientSampleId :

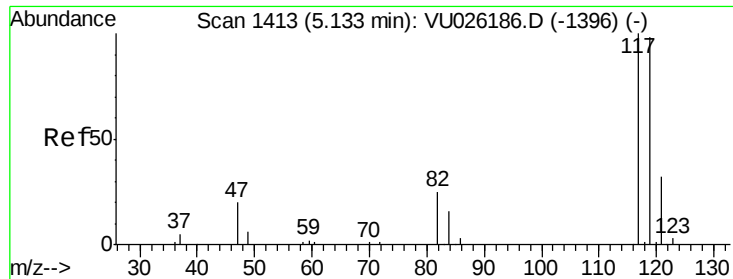
Tot Ion: 97 Resp: 91722
 Ion Ratio Lower Upper
 97 100
 99 64.2 52.3 78.5
 61 43.0 35.0 52.6



#30
 Cyclohexane
 Concen: 4.729 ug/L
 RT: 5.00 min Scan# 1371
 Delta R.T. 0.00 min
 Lab File: VU026197.D
 Acq: 17 Aug 2018 22:38

Tgt Ion: 56 Resp: 72375
 Ion Ratio Lower Upper
 56 100
 69 30.6 24.2 36.2
 84 88.7 69.3 103.9

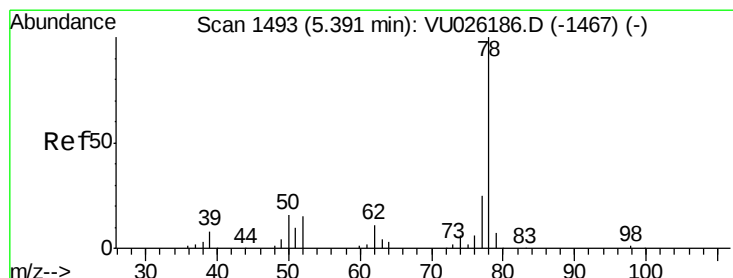
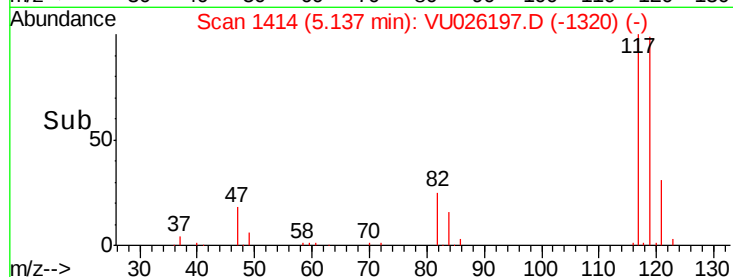
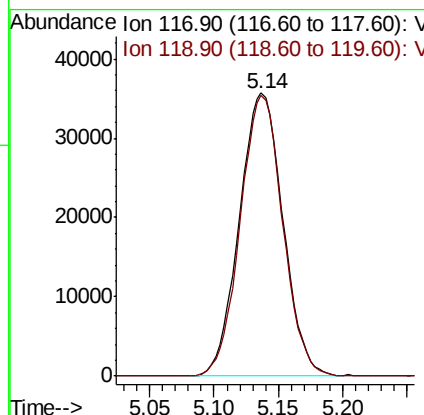
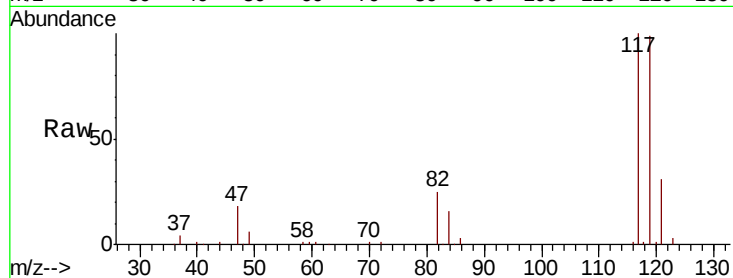




#31
Carbon tetrachloride
Concen: 5.132 ug/L
RT: 5.14 min Scan# 1414
Delta R.T. 0.00 min
Lab File: VU026197.D
Acq: 17 Aug 2018 22:38

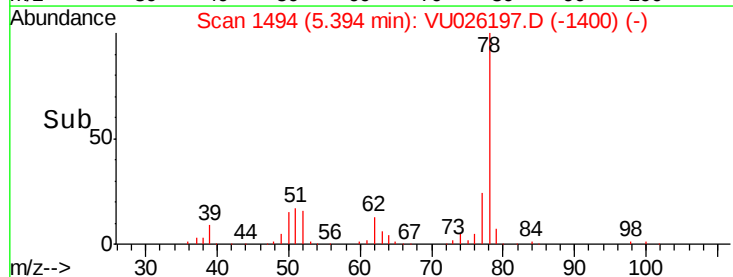
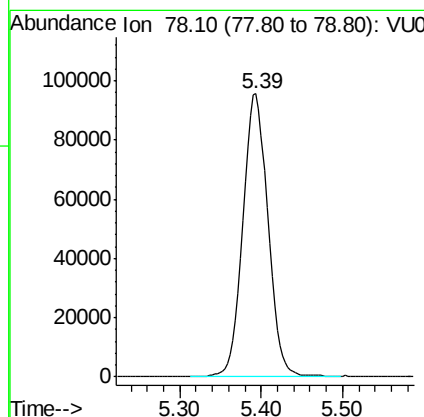
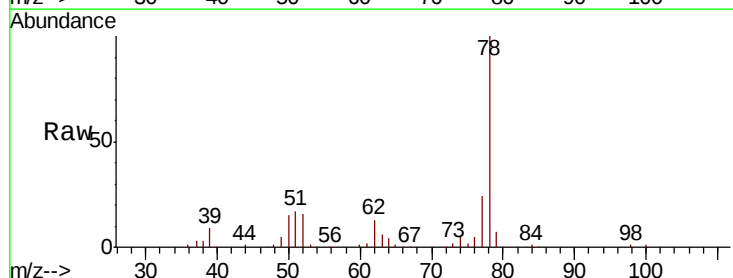
Instrument :
MSVOA_U
ClientSampleId :

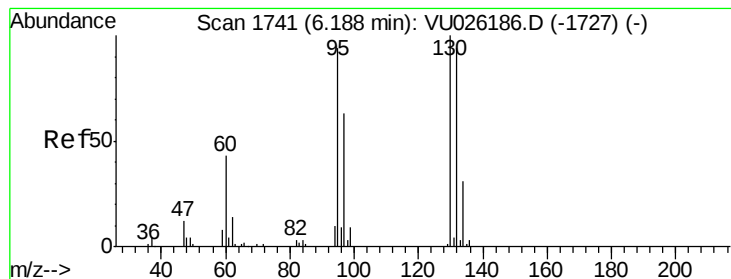
Tot Ion:117 Resp: 83947
Ion Ratio Lower Upper
117 100
119 96.8 76.6 115.0



#33
Benzene
Concen: 5.056 ug/L
RT: 5.39 min Scan# 1494
Delta R.T. 0.00 min
Lab File: VU026197.D
Acq: 17 Aug 2018 22:38

Tgt Ion: 78 Resp: 203766





#34

Trichloroethene

Concen: 5.023 ug/L

RT: 6.19 min Scan# 1741

Delta R.T. 0.00 min

Lab File: VU026197.D

Acq: 17 Aug 2018 22:38

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 95 Resp: 54511

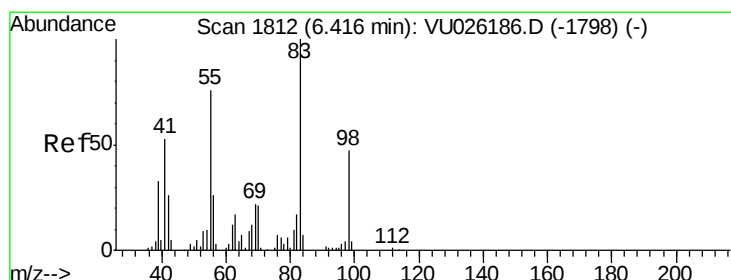
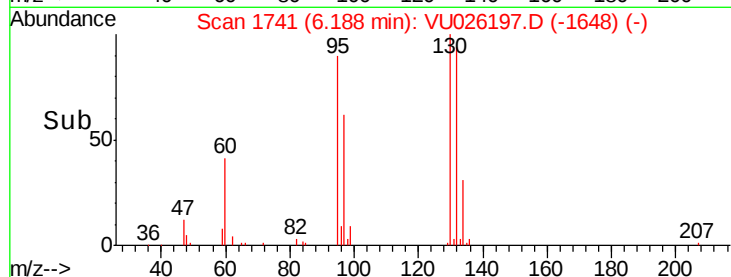
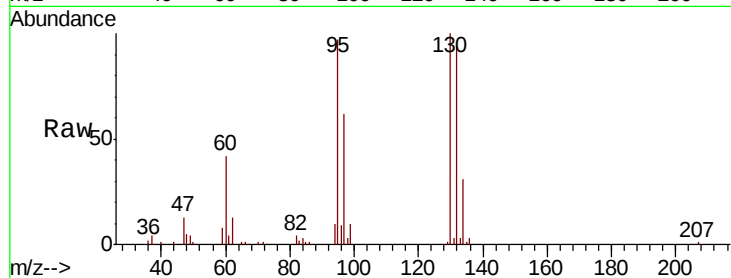
Ion Ratio Lower Upper

95 100

97 64.2 44.9 83.5

132 96.4 68.2 126.6

130 103.1 73.4 136.4



#35

Methylcyclohexane

Concen: 4.853 ug/L

RT: 6.42 min Scan# 1813

Delta R.T. 0.00 min

Lab File: VU026197.D

Acq: 17 Aug 2018 22:38

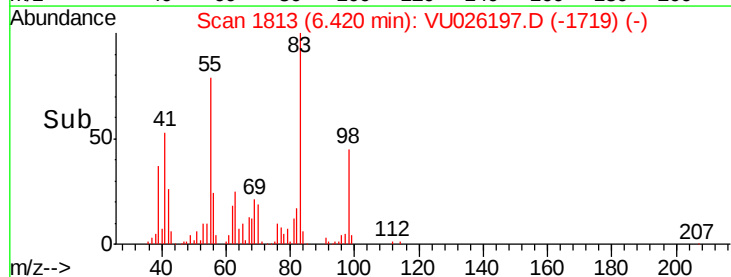
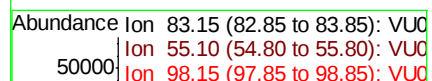
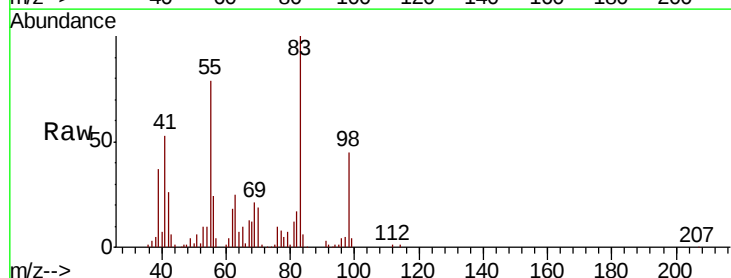
Tgt Ion: 83 Resp: 78043

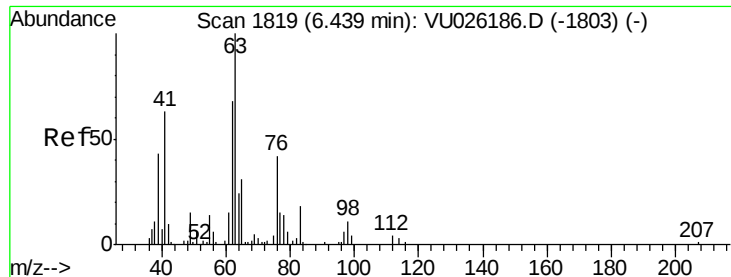
Ion Ratio Lower Upper

83 100

55 79.8 65.0 97.4

98 45.8 37.8 56.6

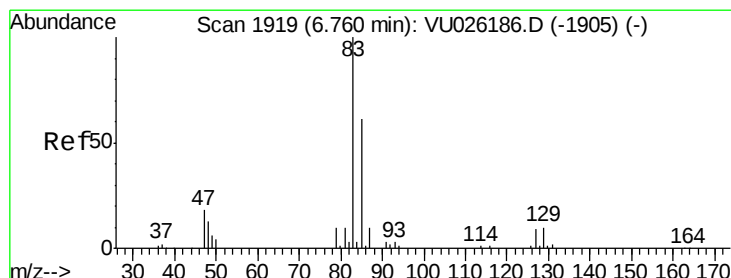
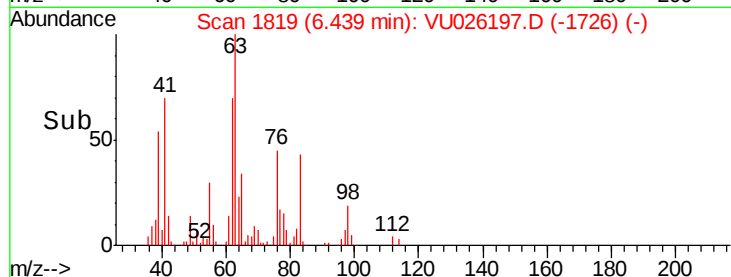
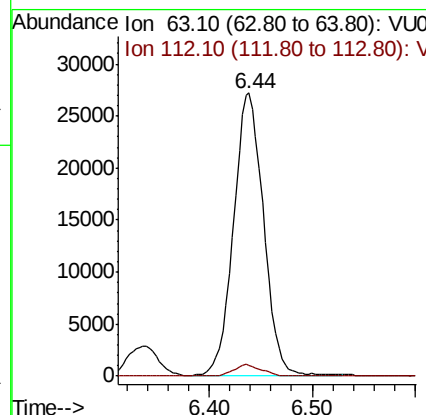
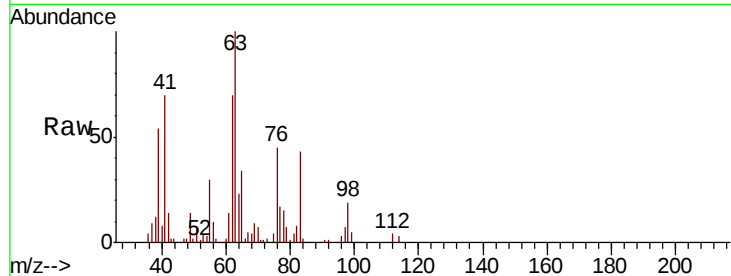




#37
 1,2-Dichloropropane
 Concen: 5.116 ug/L
 RT: 6.44 min Scan# 1819
 Delta R.T. 0.00 min
 Lab File: VU026197.D
 Acq: 17 Aug 2018 22:38

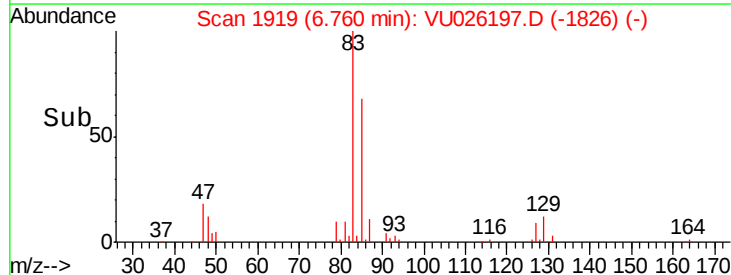
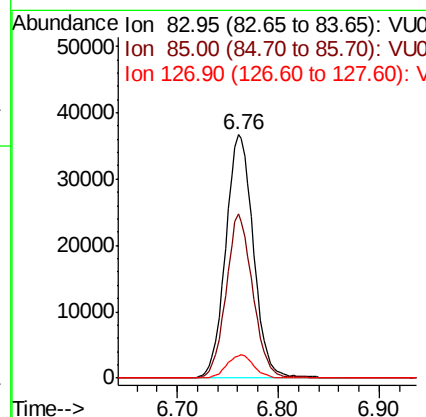
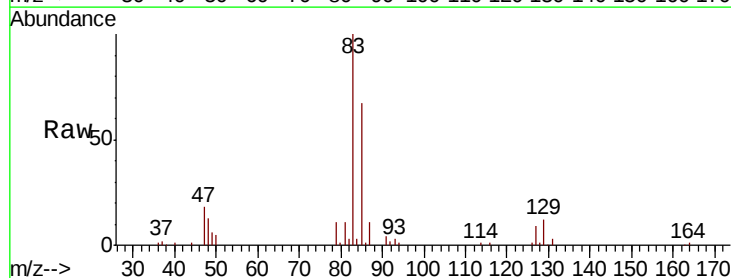
Instrument :
 MSVOA_U
 ClientSampleId :

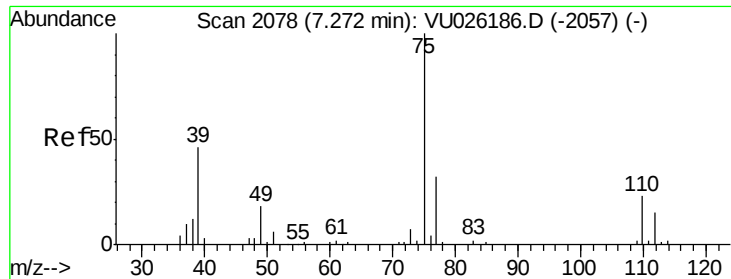
Tot Ion: 63 Resp: 55458
 Ion Ratio Lower Upper
 63 100
 112 3.7 1.4 2.2#



#38
 Bromodichloromethane
 Concen: 5.121 ug/L
 RT: 6.76 min Scan# 1919
 Delta R.T. 0.00 min
 Lab File: VU026197.D
 Acq: 17 Aug 2018 22:38

Tgt Ion: 83 Resp: 70367
 Ion Ratio Lower Upper
 83 100
 85 67.2 44.2 82.0
 127 9.2 7.6 11.4

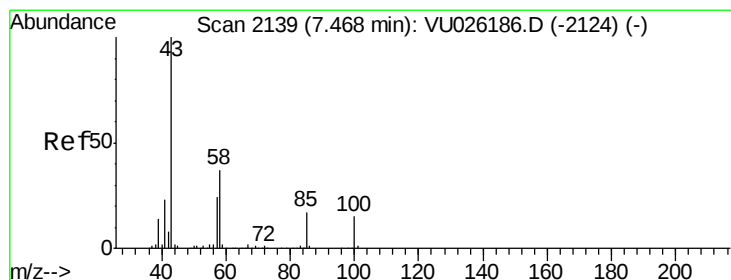
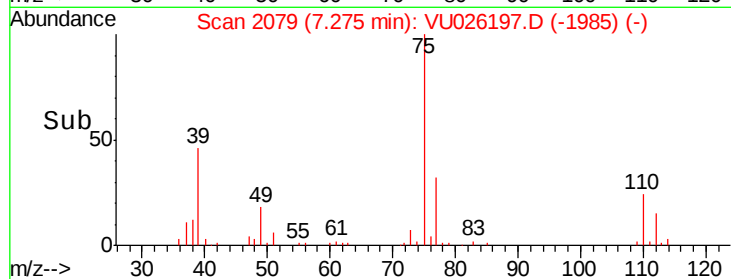
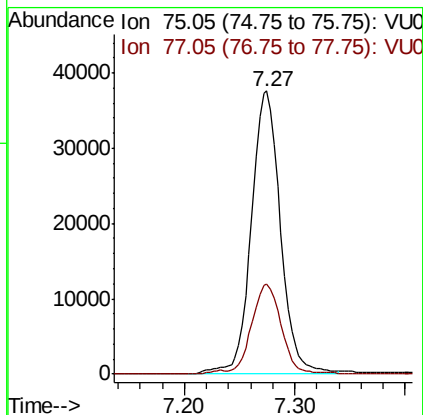
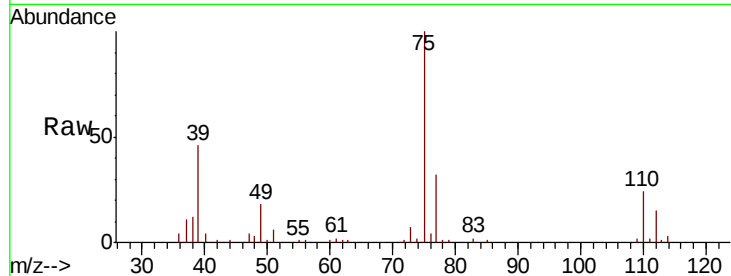




#39
 cis-1,3-Dichloropropene
 Concen: 4.872 ug/L
 RT: 7.27 min Scan# 2079
 Delta R.T. 0.00 min
 Lab File: VU026197.D
 Acq: 17 Aug 2018 22:38

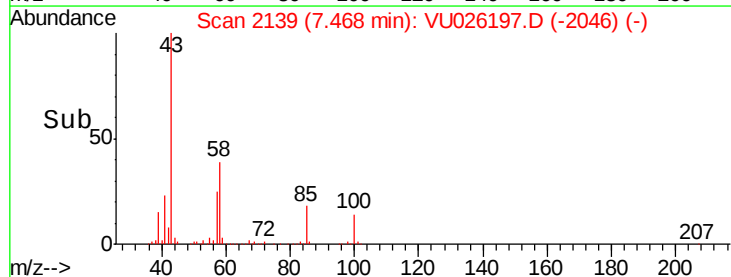
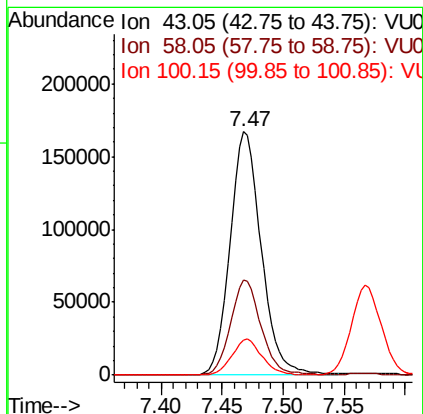
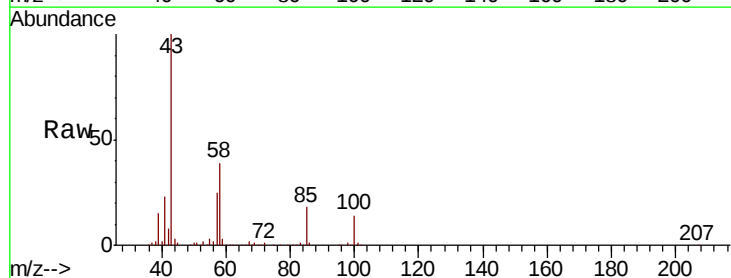
Instrument :
 MSVOA_U
 ClientSampleId :

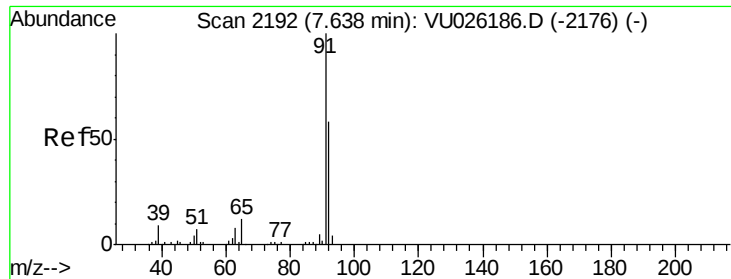
Tot Ion: 75 Resp: 69094
 Ion Ratio Lower Upper
 75 100
 77 31.6 23.3 43.3



#40
 4-Methyl-2-pentanone
 Concen: 51.268 ug/L
 RT: 7.47 min Scan# 2139
 Delta R.T. 0.00 min
 Lab File: VU026197.D
 Acq: 17 Aug 2018 22:38

Tgt Ion: 43 Resp: 298547
 Ion Ratio Lower Upper
 43 100
 58 38.3 29.8 44.8
 100 14.4 11.6 17.4





#42

Toluene

Concen: 5.252 ug/L

RT: 7.64 min Scan# 2193

Delta R.T. 0.00 min

Lab File: VU026197.D

Acq: 17 Aug 2018 22:38

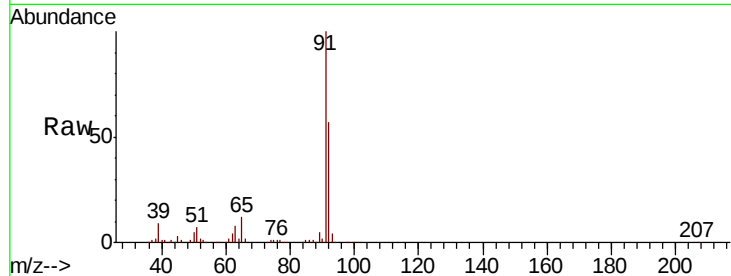
Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 91 Resp: 223313

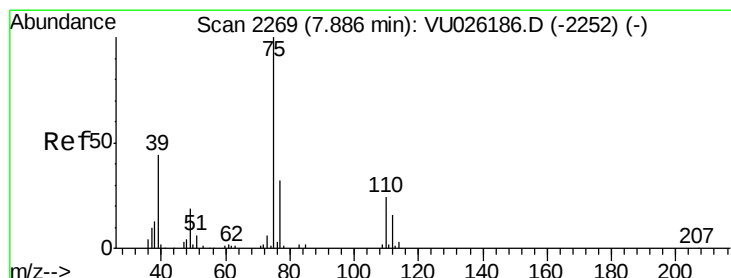
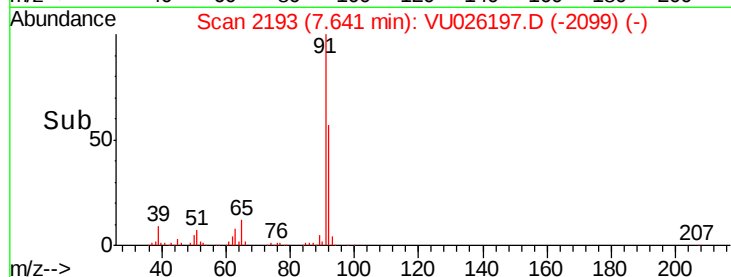
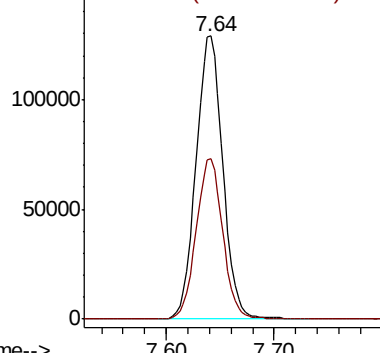
Ion Ratio Lower Upper

91 100

92 56.8 40.0 74.4



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: 4.960 ug/L

RT: 7.88 min Scan# 2268

Delta R.T. -0.00 min

Lab File: VU026197.D

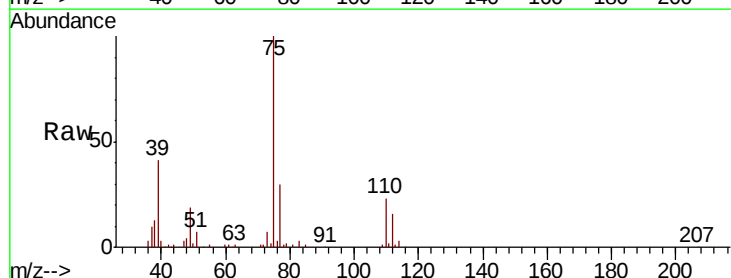
Acq: 17 Aug 2018 22:38

Tgt Ion: 75 Resp: 60603

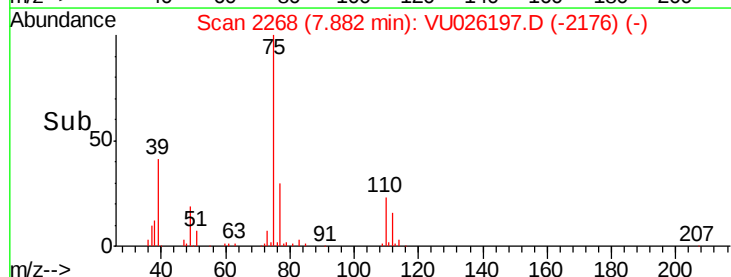
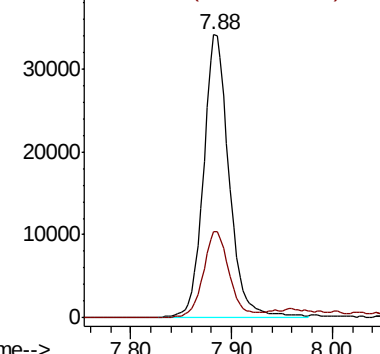
Ion Ratio Lower Upper

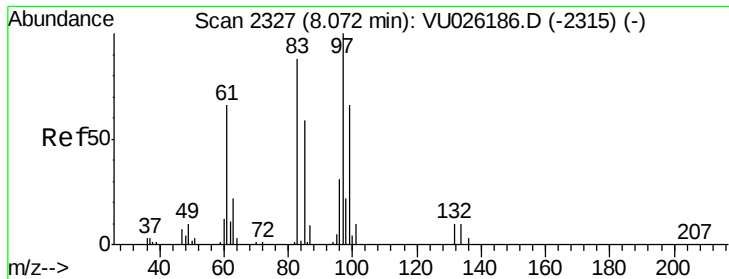
75 100

77 30.5 22.7 42.3



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: 4.982 ug/L

RT: 8.07 min Scan# 2327

Delta R.T. 0.00 min

Lab File: VU026197.D

Acq: 17 Aug 2018 22:38

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 97 Resp: 36993

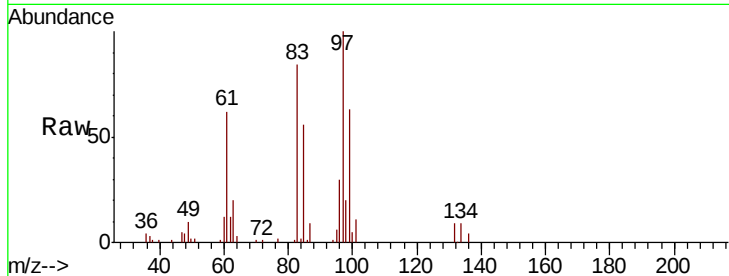
Ion Ratio Lower Upper

97 100

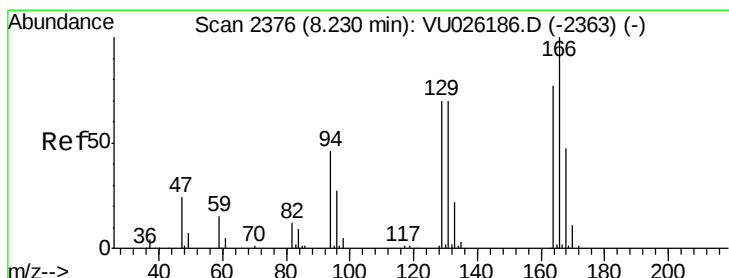
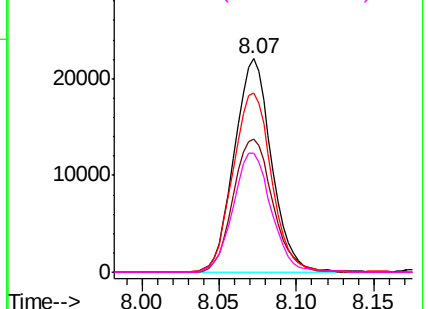
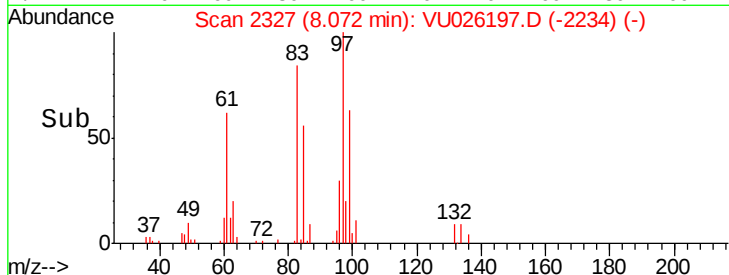
99 62.6 42.1 78.3

83 83.9 59.2 110.0

85 55.6 37.9 70.3



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: 4.969 ug/L

RT: 8.23 min Scan# 2376

Delta R.T. 0.00 min

Lab File: VU026197.D

Acq: 17 Aug 2018 22:38

Tgt Ion:164 Resp: 47172

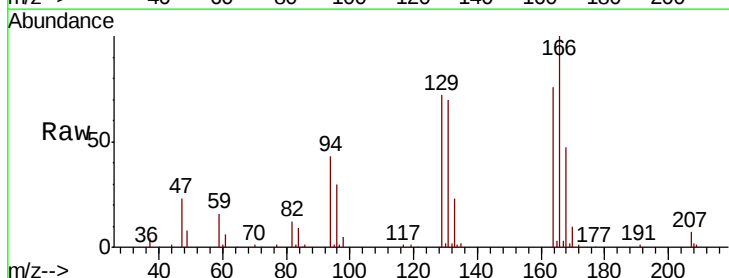
Ion Ratio Lower Upper

164 100

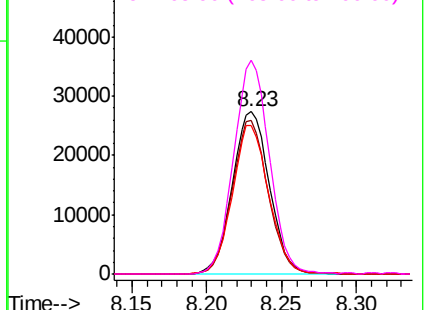
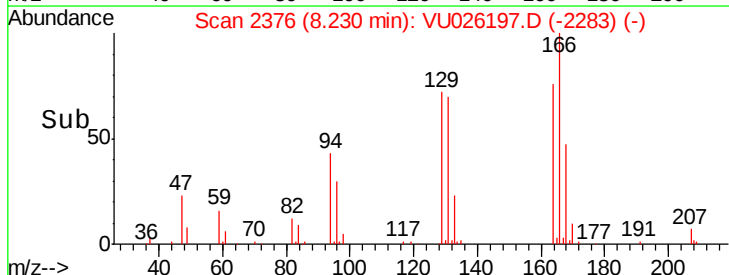
129 94.3 66.1 122.8

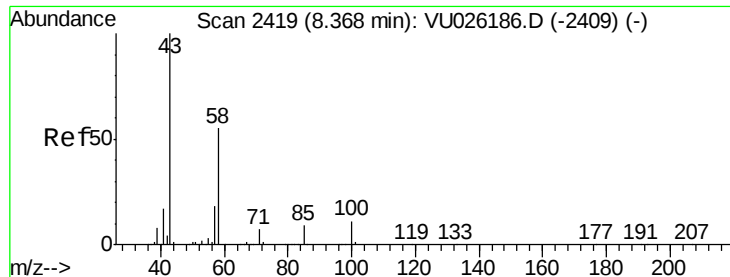
131 91.4 61.4 114.0

166 131.5 89.1 165.5



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

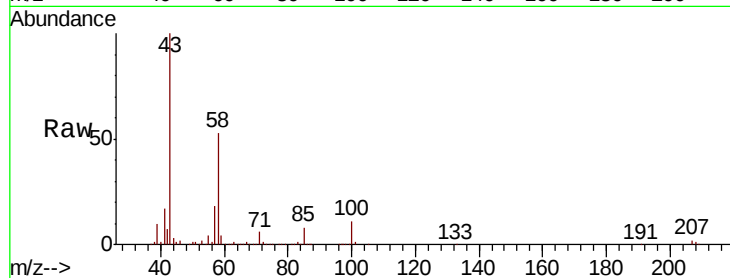




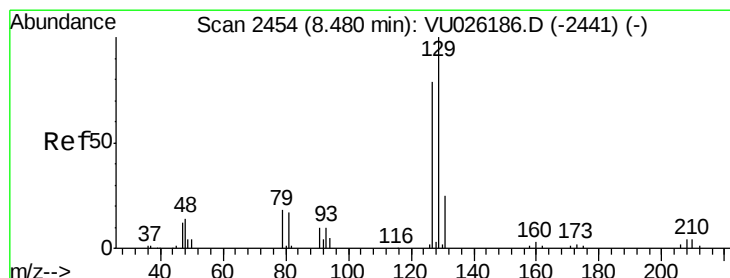
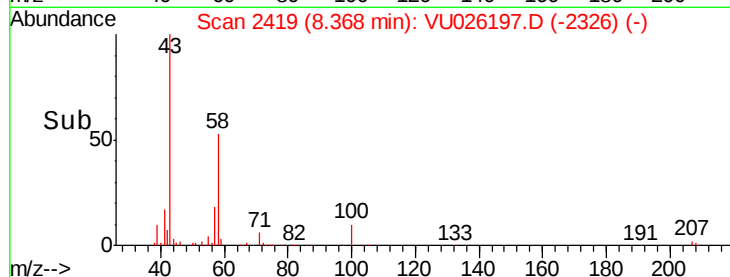
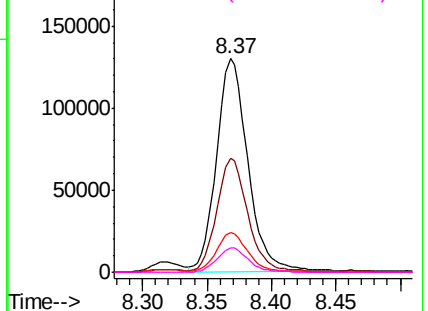
#48
2-Hexanone
Concen: 53.831 ug/L
RT: 8.37 min Scan# 2419
Delta R.T. 0.00 min
Lab File: VU026197.D
Acq: 17 Aug 2018 22:38

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
43	100		
58	53.2	43.1	64.7
57	18.9	15.4	23.0
100	11.3	9.4	14.0

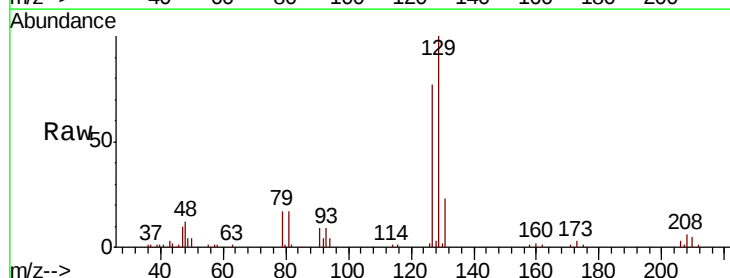


Abundance Ion 43.05 (42.75 to 43.75): VU0
Ion 58.05 (57.75 to 58.75): VU0
Ion 57.20 (56.90 to 57.90): VU0
Ion 100.15 (99.85 to 100.85): VU0

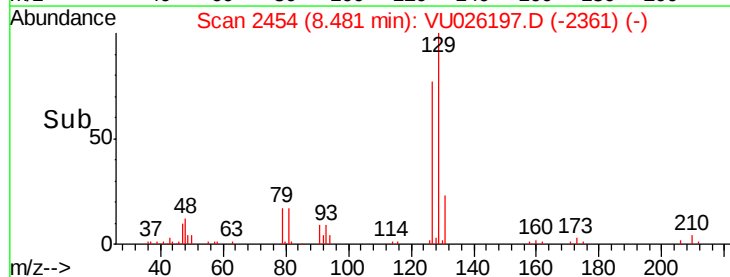
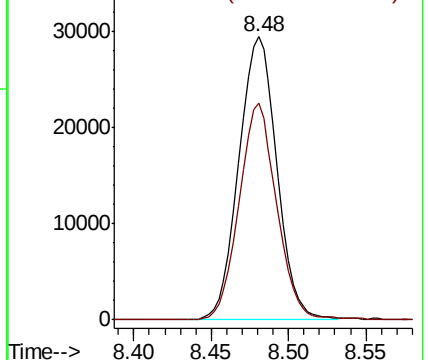


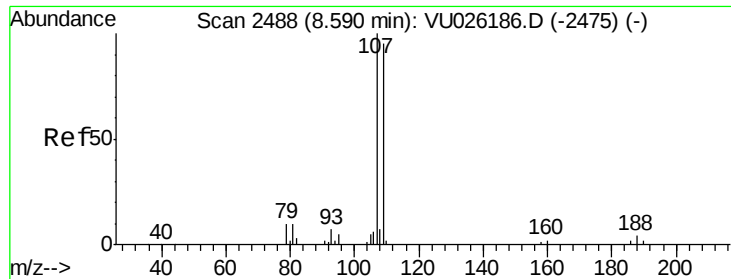
#49
Dibromochloromethane
Concen: 5.186 ug/L
RT: 8.48 min Scan# 2454
Delta R.T. 0.00 min
Lab File: VU026197.D
Acq: 17 Aug 2018 22:38

Tgt Ion	Ratio	Lower	Upper
129	100		
127	76.6	54.9	101.9



Abundance Ion 128.95 (128.65 to 129.65): V
Ion 126.90 (126.60 to 127.60): V

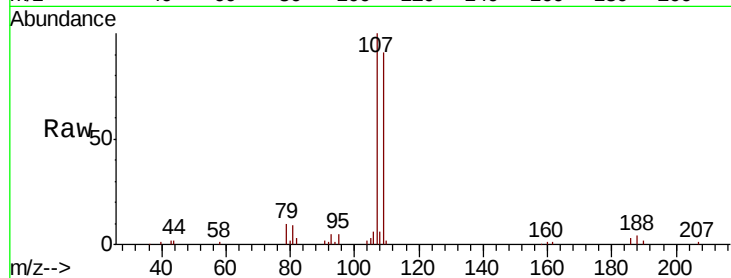




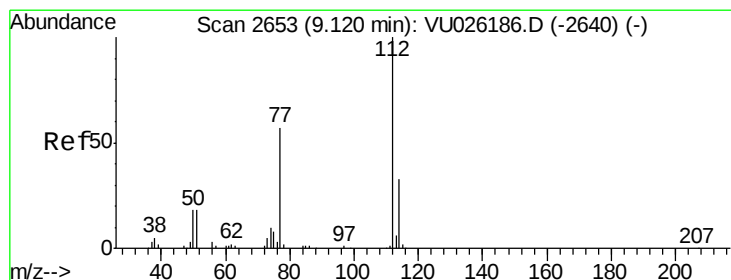
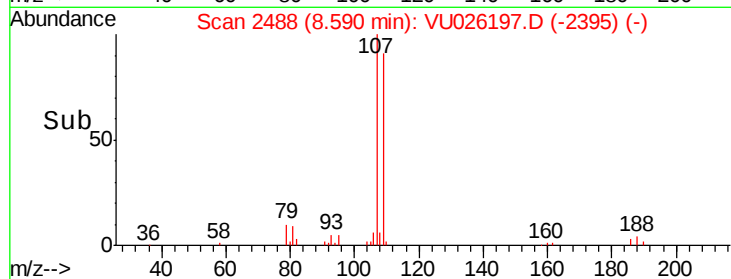
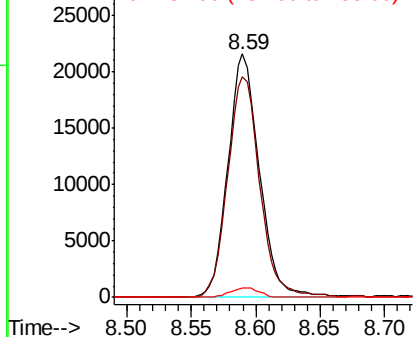
#50
1,2-Dibromoethane
Concen: 5.173 ug/L
RT: 8.59 min Scan# 2488
Delta R.T. 0.00 min
Lab File: VU026197.D
Acq: 17 Aug 2018 22:38

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion:107 Resp: 36544
Ion Ratio Lower Upper
107 100
109 90.7 65.3 121.3
188 3.8 3.0 4.4

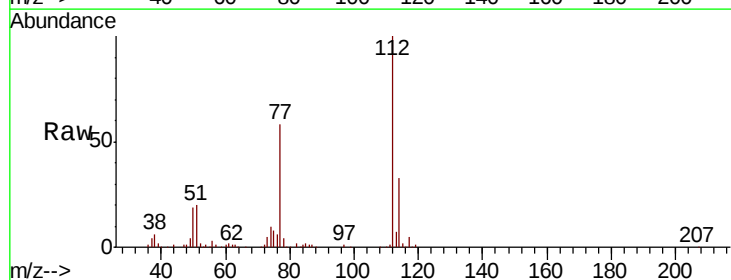


Abundance Ion 106.95 (106.65 to 107.65): V
Ion 109.00 (108.70 to 109.70): V
Ion 187.90 (187.60 to 188.60): V

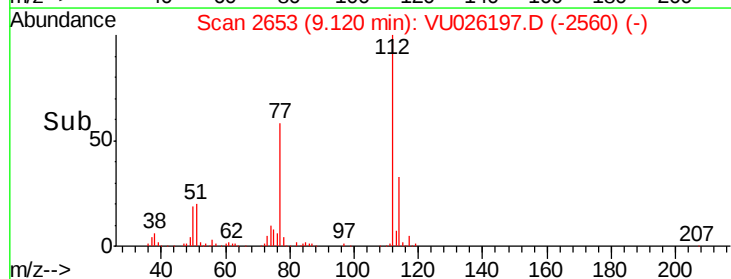
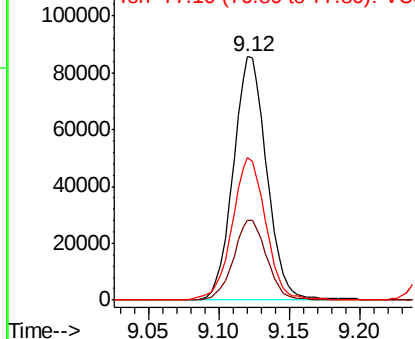


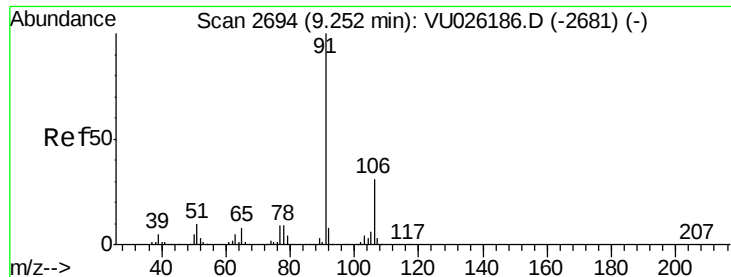
#51
Chlorobenzene
Concen: 4.989 ug/L
RT: 9.12 min Scan# 2653
Delta R.T. 0.00 min
Lab File: VU026197.D
Acq: 17 Aug 2018 22:38

Tgt Ion:112 Resp: 142286
Ion Ratio Lower Upper
112 100
114 32.8 22.5 41.7
77 58.4 45.8 68.6



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: 5.089 ug/L

RT: 9.25 min Scan# 2694

Delta R.T. 0.00 min

Lab File: VU026197.D

Acq: 17 Aug 2018 22:38

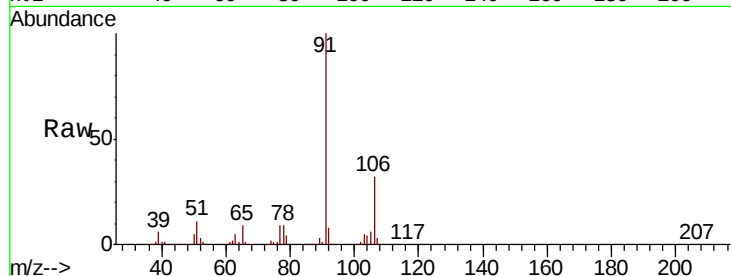
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 91 Resp: 228031

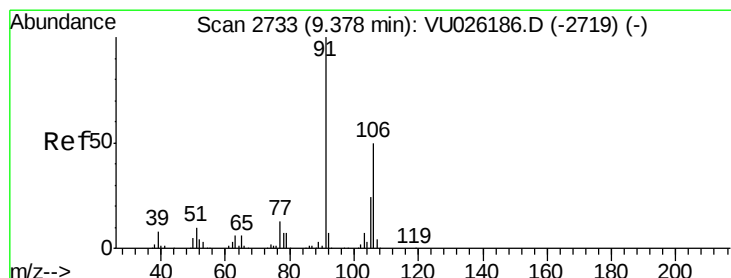
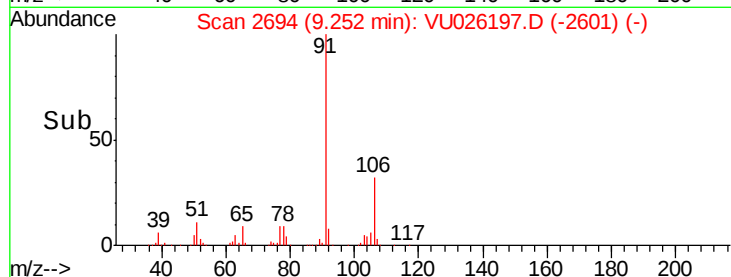
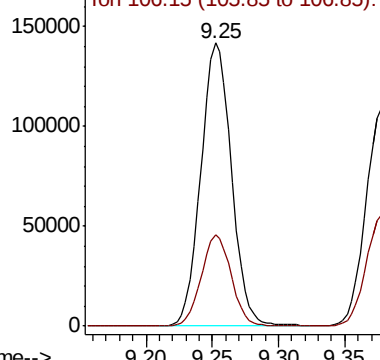
Ion Ratio Lower Upper

91 100

106 32.1 22.5 41.9



Abundance Ion 91.15 (90.85 to 91.85): VU026197.D (-2601) (-)



#53

m,p-xylene

Concen: 5.351 ug/L

RT: 9.38 min Scan# 2733

Delta R.T. 0.00 min

Lab File: VU026197.D

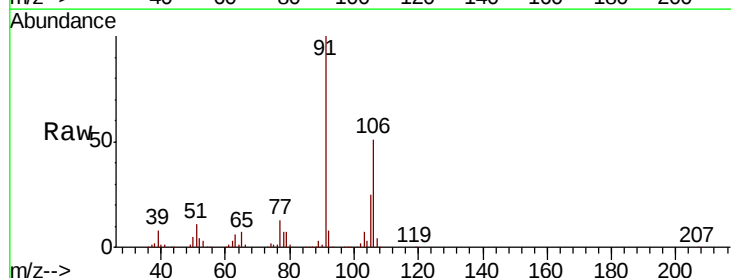
Acq: 17 Aug 2018 22:38

Tgt Ion: 106 Resp: 92142

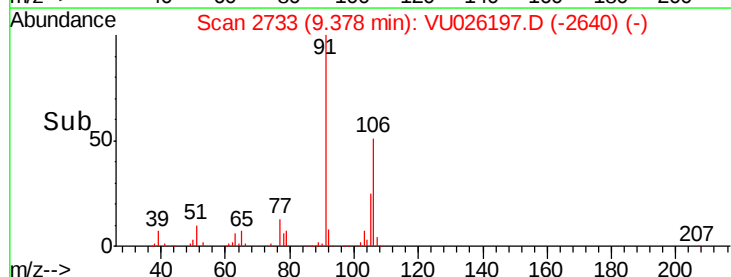
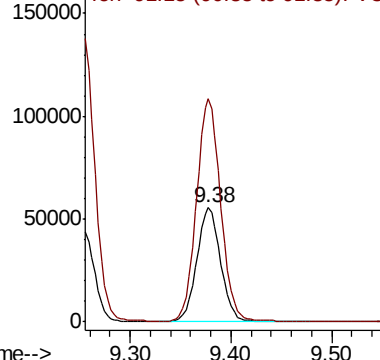
Ion Ratio Lower Upper

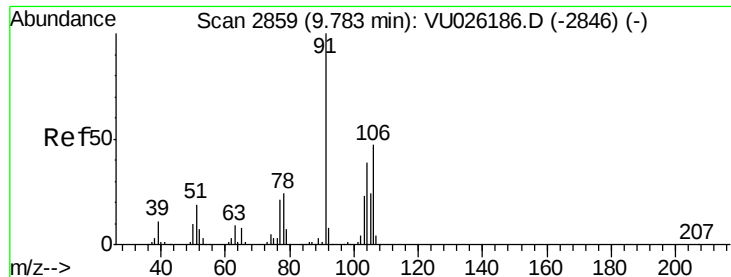
106 100

91 195.8 138.9 257.9



Abundance Ion 106.15 (105.85 to 106.85): VU026197.D (-2640) (-)





#54

o-xylene

Concen: 5.282 ug/L

RT: 9.78 min Scan# 2859

Delta R.T. 0.00 min

Lab File: VU026197.D

Acq: 17 Aug 2018 22:38

Instrument :

MSVOA_U

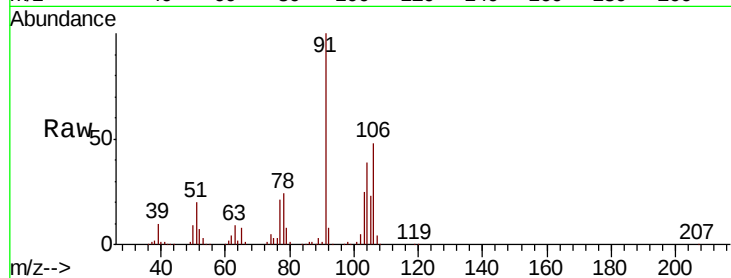
ClientSampleId :

Tot Ion:106 Resp: 87043

Ion Ratio Lower Upper

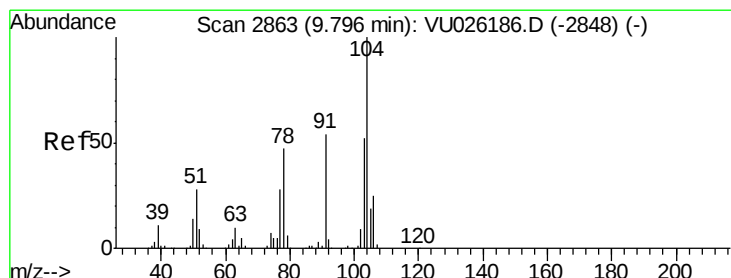
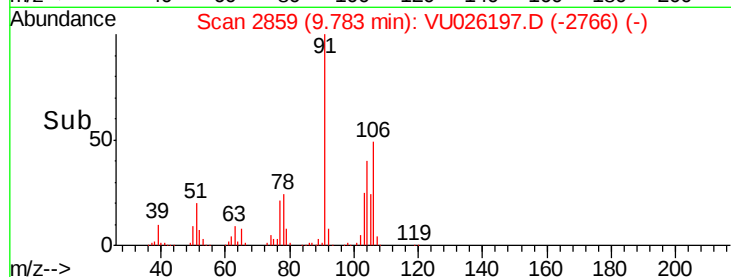
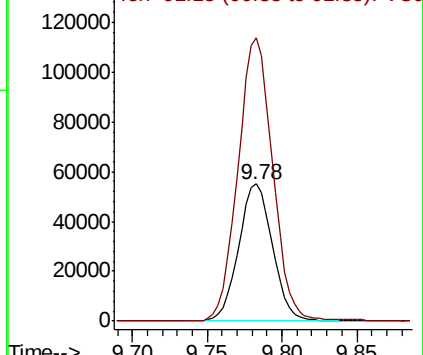
106 100

91 206.3 150.7 279.9



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VU0



#55

Styrene

Concen: 5.356 ug/L

RT: 9.80 min Scan# 2863

Delta R.T. 0.00 min

Lab File: VU026197.D

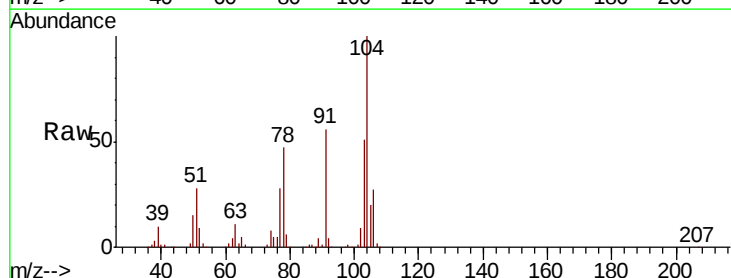
Acq: 17 Aug 2018 22:38

Tgt Ion:104 Resp: 150260

Ion Ratio Lower Upper

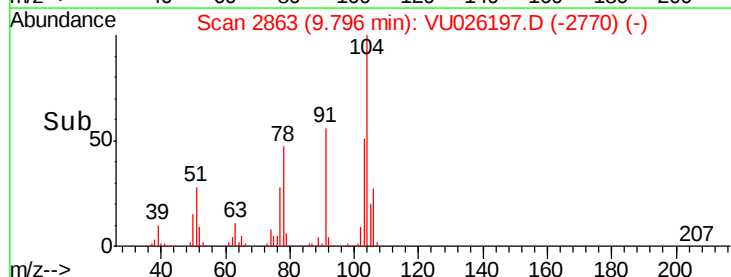
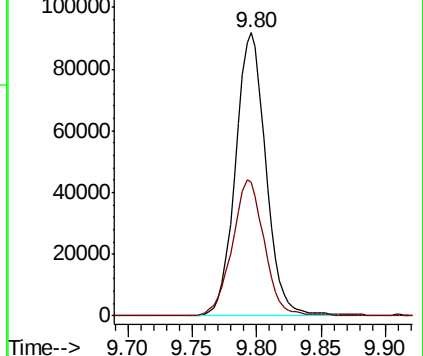
104 100

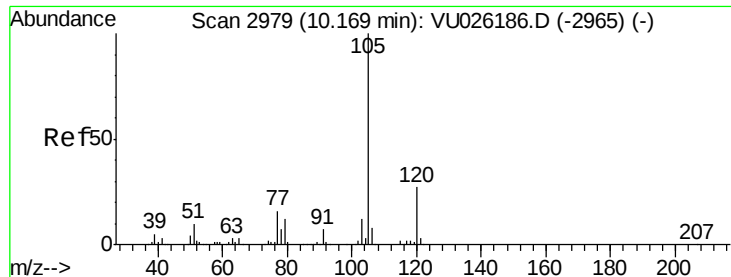
78 47.3 31.8 59.0



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VU0





#56

Isopropylbenzene

Concen: 5.200 ug/L

RT: 10.17 min Scan# 2979

Delta R.T. 0.00 min

Lab File: VU026197.D

Acq: 17 Aug 2018 22:38

Instrument :

MSVOA_U

ClientSampleId :

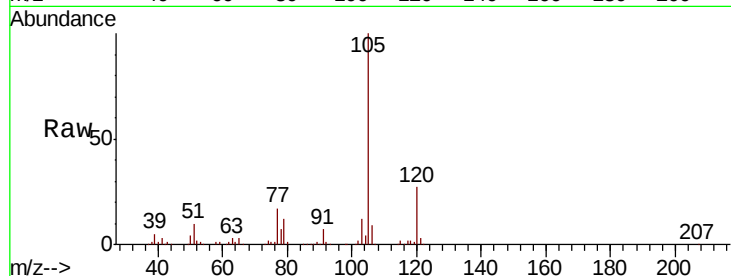
Tot Ion:105 Resp: 226637

Ion Ratio Lower Upper

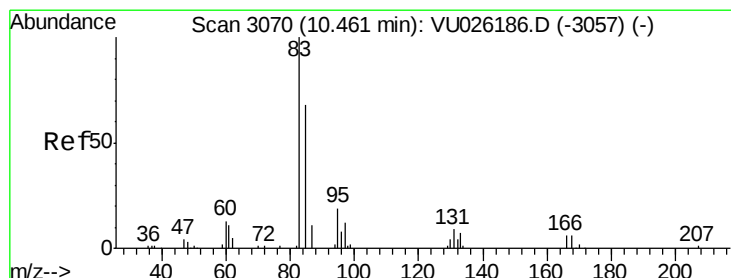
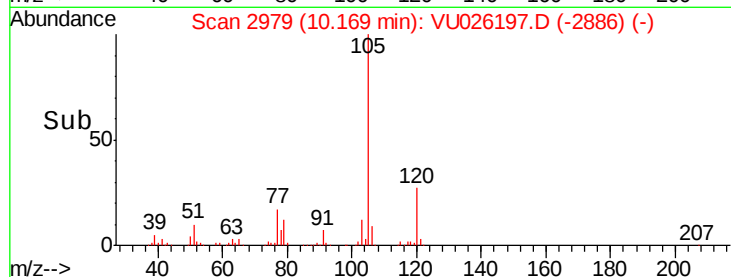
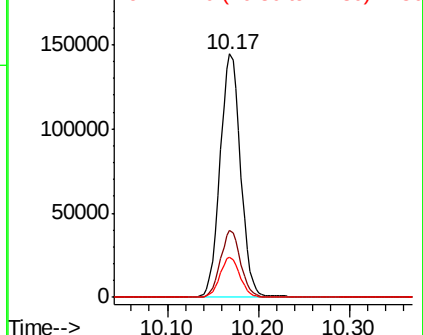
105 100

120 26.7 21.4 32.2

77 16.1 12.4 18.6



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: 5.132 ug/L

RT: 10.46 min Scan# 3070

Delta R.T. 0.00 min

Lab File: VU026197.D

Acq: 17 Aug 2018 22:38

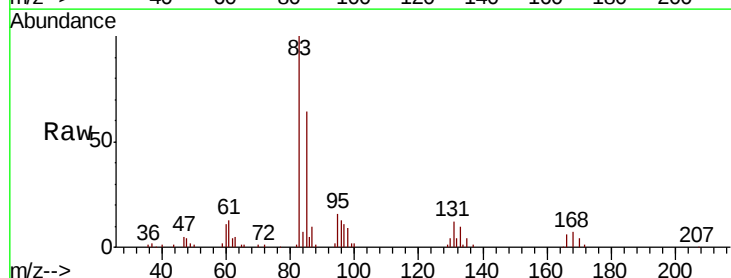
Tgt Ion: 83 Resp: 46731

Ion Ratio Lower Upper

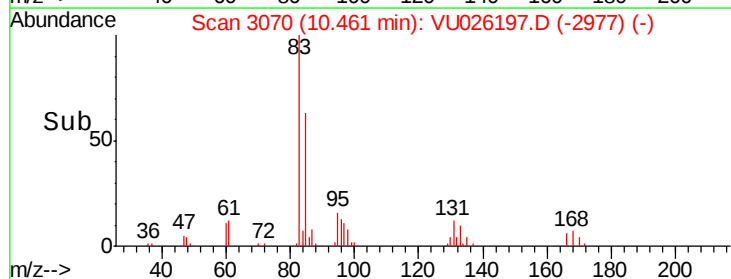
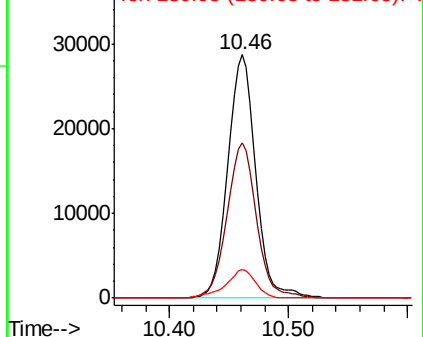
83 100

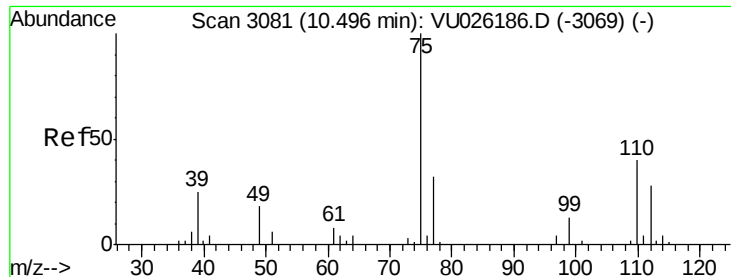
85 63.9 45.7 84.9

131 11.6 7.7 11.5#



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

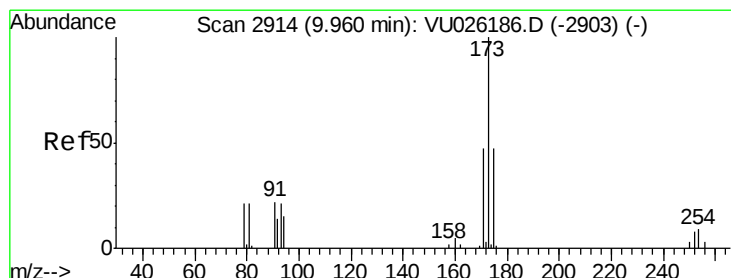
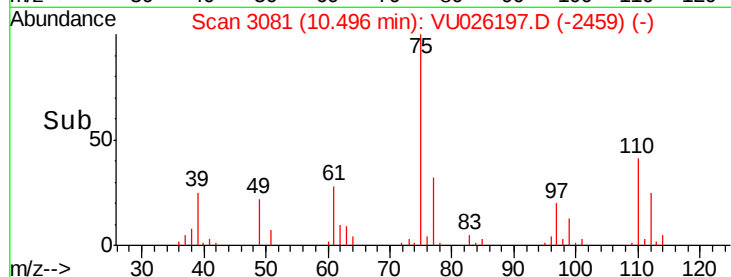
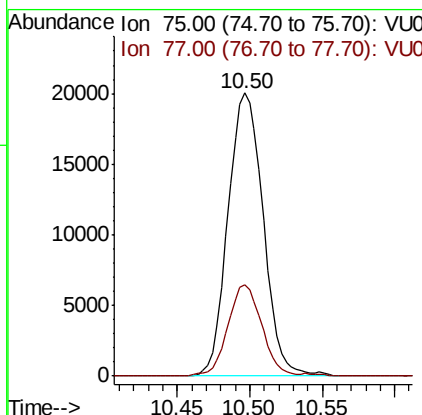
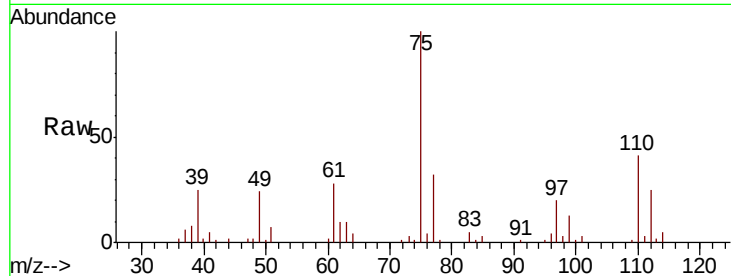




#59
 1,2,3-Trichloropropane
 Concen: 5.168 ug/L
 RT: 10.50 min Scan# 3081
 Delta R.T. 0.00 min
 Lab File: VU026197.D
 Acq: 17 Aug 2018 22:38

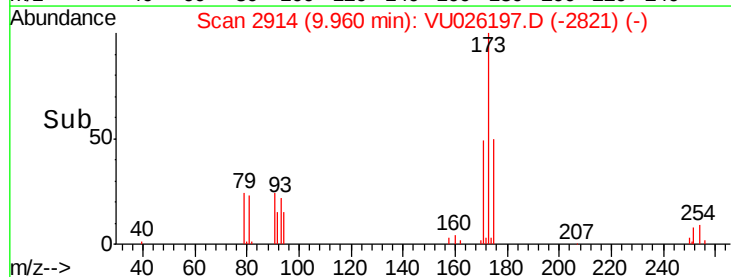
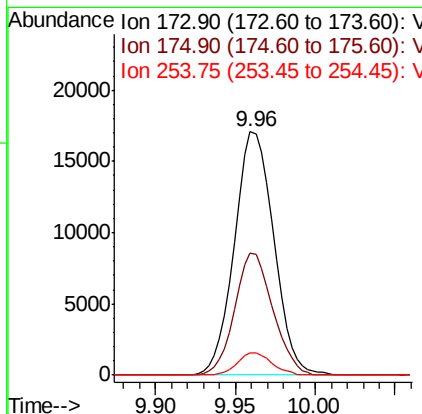
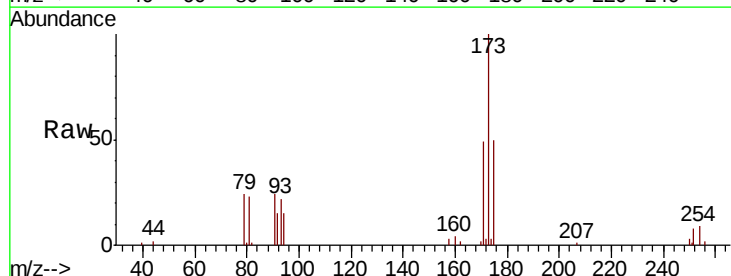
Instrument :
 MSVOA_U
 ClientSampleId :

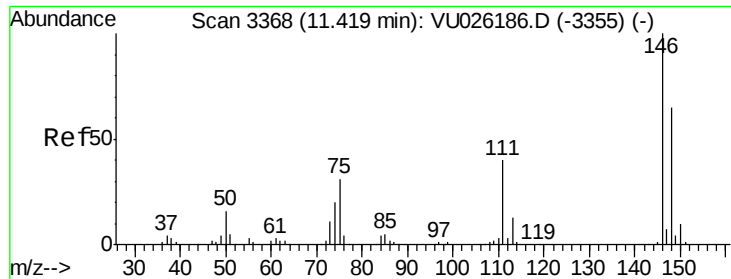
Tot Ion: 75 Resp: 33843
 Ion Ratio Lower Upper
 75 100
 77 31.0 29.0 43.4



#61
 Bromoform
 Concen: 5.241 ug/L
 RT: 9.96 min Scan# 2914
 Delta R.T. 0.00 min
 Lab File: VU026197.D
 Acq: 17 Aug 2018 22:38

Tgt Ion:173 Resp: 28635
 Ion Ratio Lower Upper
 173 100
 175 48.3 39.0 58.6
 254 7.9 6.8 10.2





#62

1,3-Dichlorobenzene

Concen: 4.820 ug/L

RT: 11.42 min Scan# 3368

Delta R.T. 0.00 min

Lab File: VU026197.D

Acq: 17 Aug 2018 22:38

Instrument :

MSVOA_U

ClientSampled :

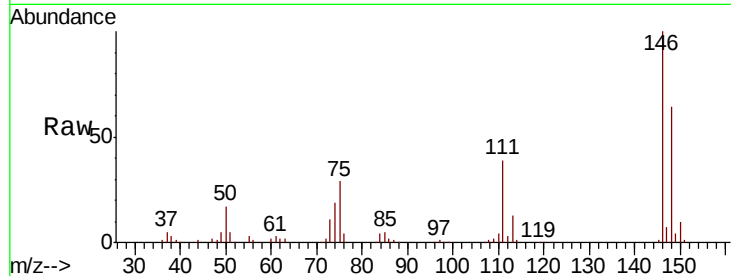
Tot Ion:146 Resp: 107800

Ion Ratio Lower Upper

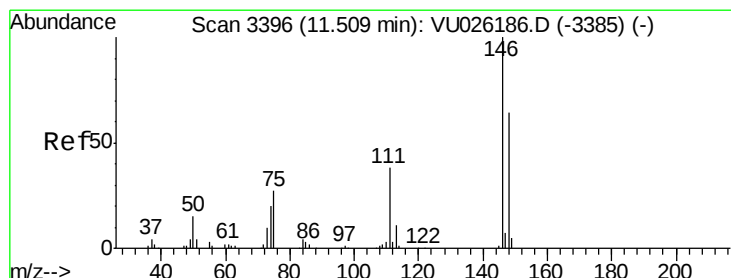
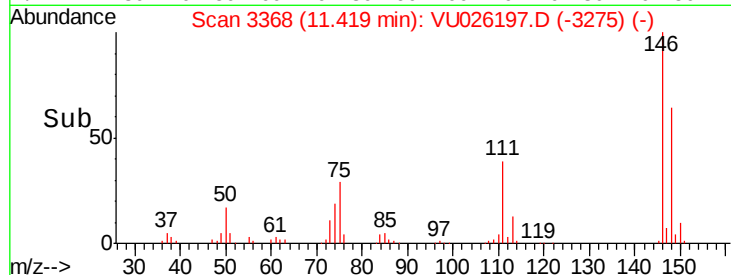
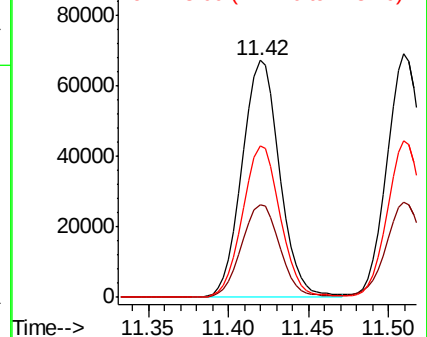
146 100

111 39.3 27.9 51.7

148 64.1 44.2 82.0



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: 4.809 ug/L

RT: 11.51 min Scan# 3396

Delta R.T. 0.00 min

Lab File: VU026197.D

Acq: 17 Aug 2018 22:38

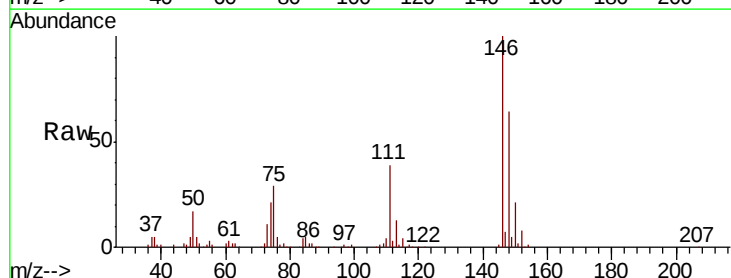
Tgt Ion:146 Resp: 113409

Ion Ratio Lower Upper

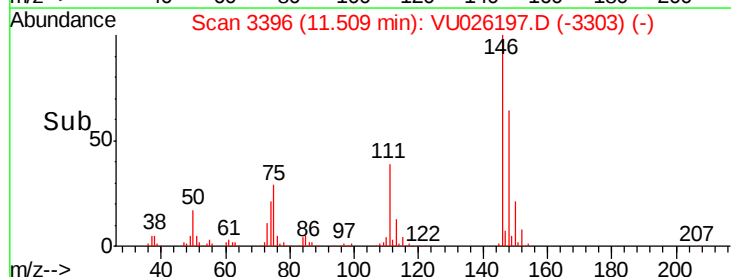
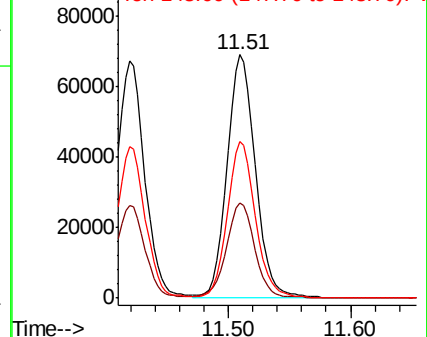
146 100

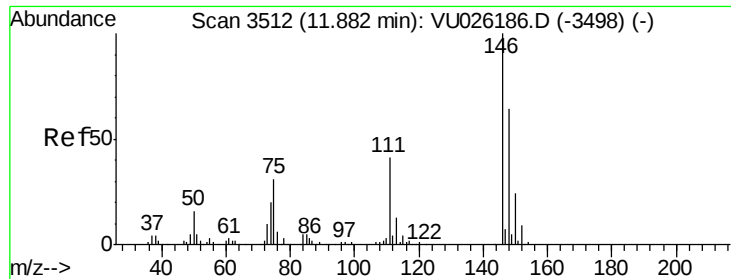
111 39.0 26.8 49.8

148 64.5 44.2 82.0



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





#65

1,2-Dichlorobenzene

Concen: 4.938 ug/L

RT: 11.88 min Scan# 3512

Delta R.T. 0.00 min

Lab File: VU026197.D

Acq: 17 Aug 2018 22:38

Instrument :

MSVOA_U

ClientSampleId :

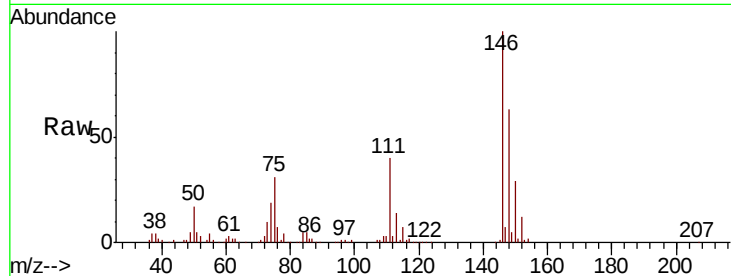
Tot Ion:146 Resp: 109432

Ion Ratio Lower Upper

146 100

111 40.0 33.0 49.4

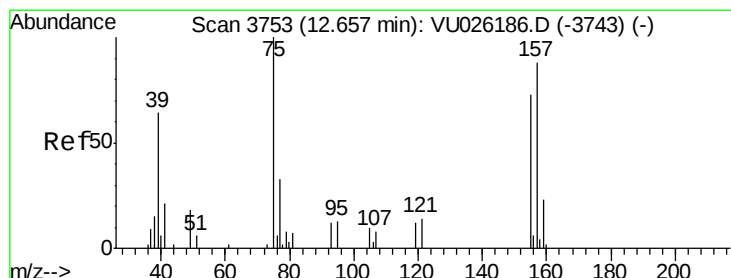
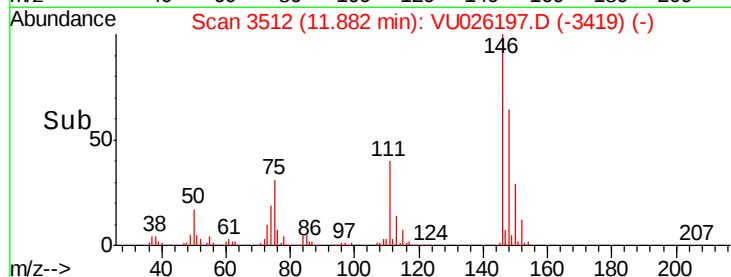
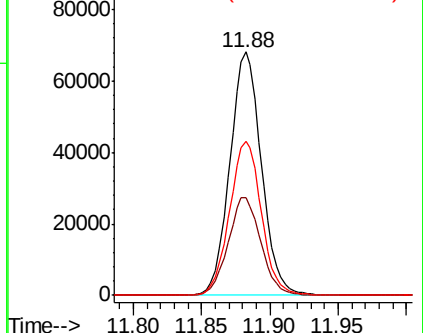
148 63.4 51.4 77.0



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



#66

1,2-Dibromo-3-chloropropane

Concen: 4.960 ug/L

RT: 12.66 min Scan# 3754

Delta R.T. 0.00 min

Lab File: VU026197.D

Acq: 17 Aug 2018 22:38

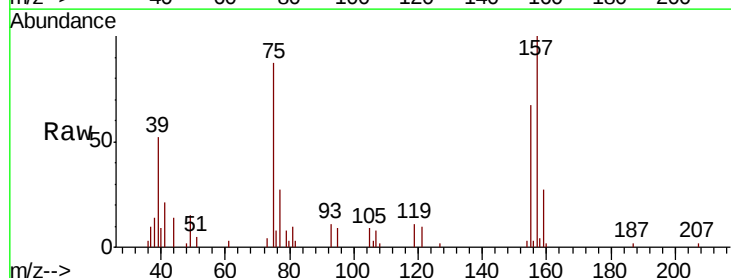
Tgt Ion: 75 Resp: 7570

Ion Ratio Lower Upper

75 100

155 76.5 66.2 99.4

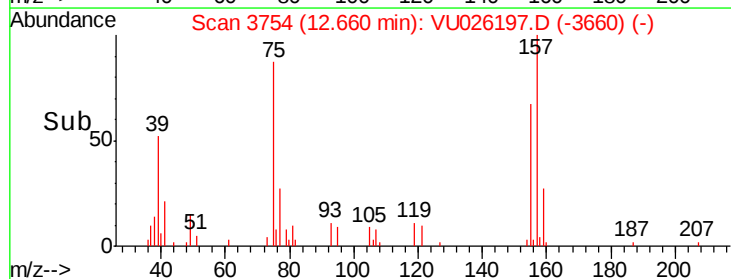
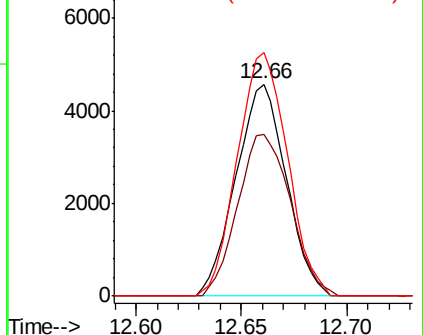
157 114.9 84.2 126.4

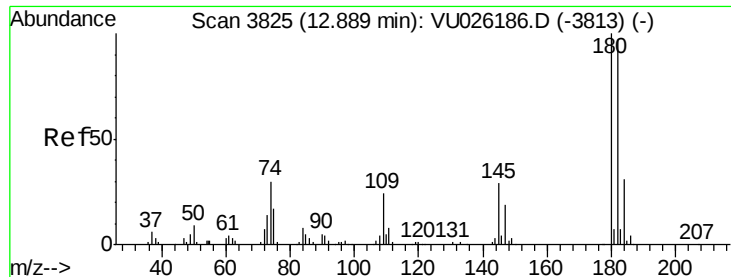


Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V

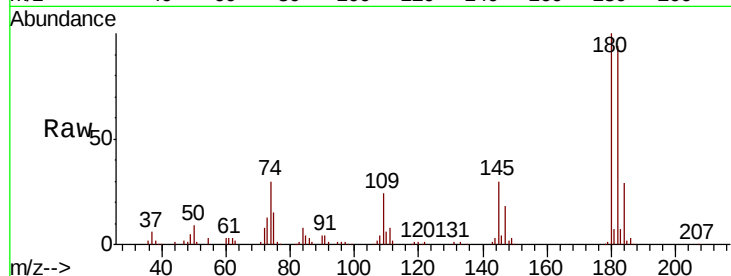




#67
 1,3,5-Trichlorobenzene
 Concen: 5.002 ug/L
 RT: 12.89 min Scan# 3825
 Delta R.T. 0.00 min
 Lab File: VU026197.D
 Acq: 17 Aug 2018 22:38

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.8	75.8	113.8
184	29.5	24.2	36.2
145	29.3	23.7	35.5



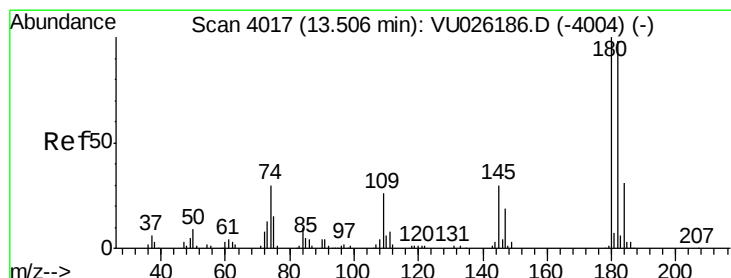
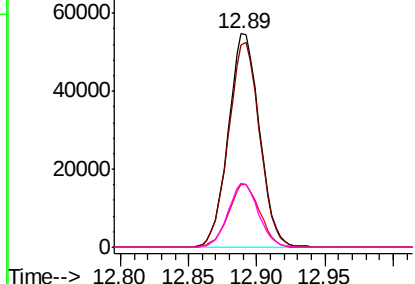
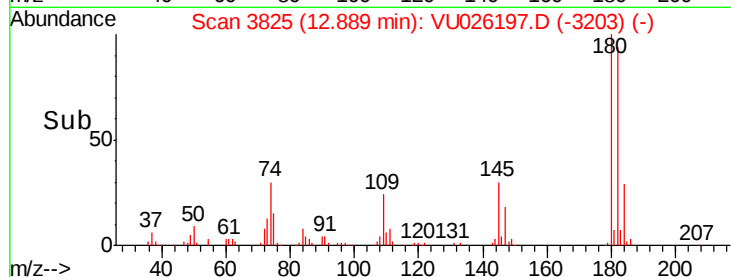
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

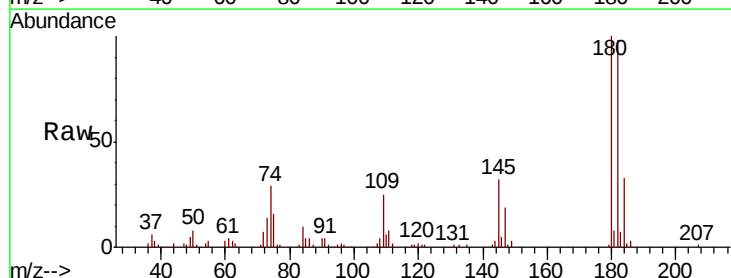
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 4.622 ug/L
 RT: 13.51 min Scan# 4017
 Delta R.T. 0.00 min
 Lab File: VU026197.D
 Acq: 17 Aug 2018 22:38

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.0	77.9	116.9
145	30.4	24.2	36.2

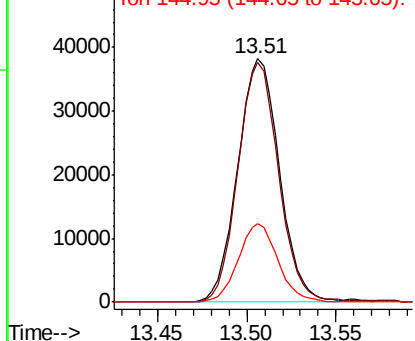
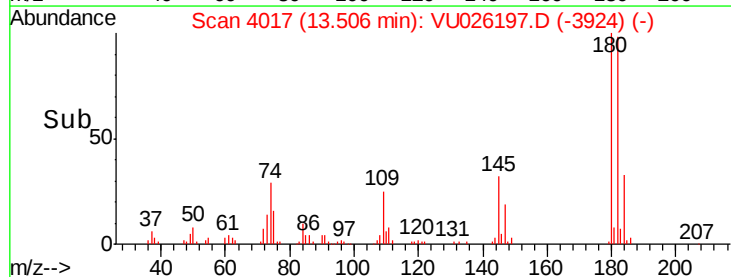


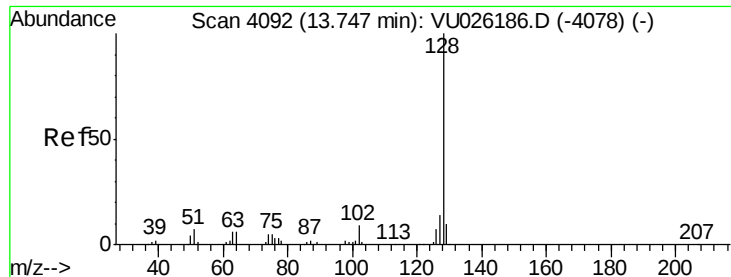
Abundance

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: 4.515 ug/L

RT: 13.75 min Scan# 4092

Delta R.T. 0.00 min

Lab File: VU026197.D

Acq: 17 Aug 2018 22:38

Instrument :

MSVOA_U

ClientSampleId :

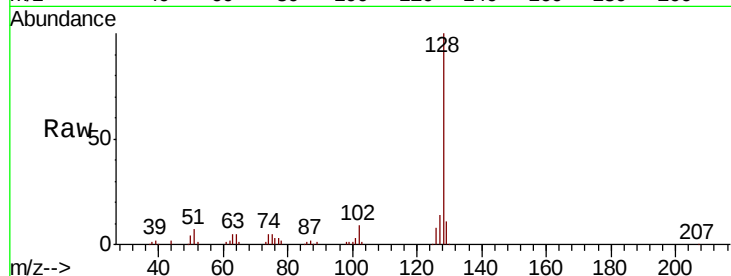
Tot Ion:128 Resp: 90748

Ion Ratio Lower Upper

128 100

129 10.5 8.6 13.0

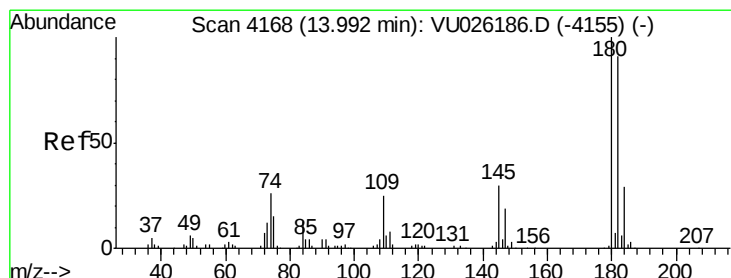
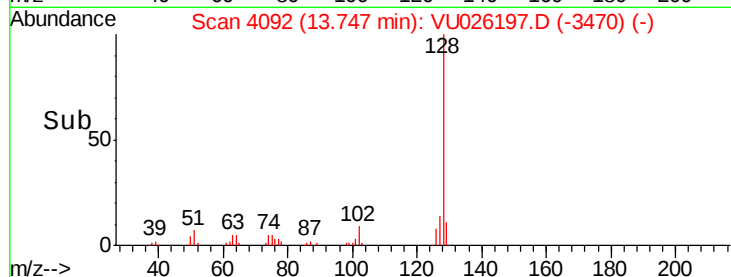
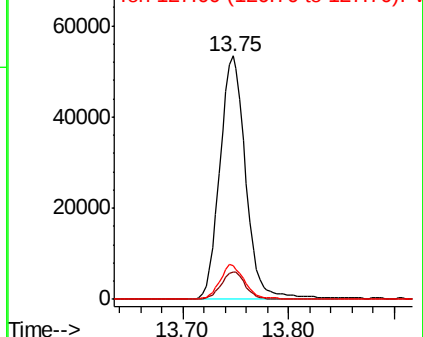
127 13.7 10.7 16.1



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: 4.702 ug/L

RT: 13.99 min Scan# 4168

Delta R.T. 0.00 min

Lab File: VU026197.D

Acq: 17 Aug 2018 22:38

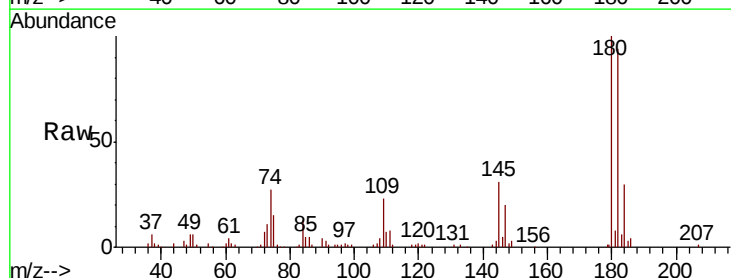
Tgt Ion:180 Resp: 60437

Ion Ratio Lower Upper

180 100

182 96.3 77.8 116.6

145 32.1 24.9 37.3



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

