

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU072018\
 Data File : VU025528.D
 Acq On : 20 Jul 2018 09:19
 Operator : MD/SY
 Sample : VSTD00553
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Jul 21 00:56:02 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM072018WMA.M
 Quant Title : VOC Analysis
 QLast Update : Sat Jul 21 00:55:40 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.89	114	334229	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	301557	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.49	152	145249	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	9752	5.96	ug/L	0.00
7) Chloroethane-d5	1.69	69	8528	6.13	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.28	63	20441	5.71	ug/L	0.00
21) 2-Butanone-d5	4.18	46	13841	8.49	ug/L	0.00
24) Chloroform-d	4.65	84	21671	5.26	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.31	65	14860	5.34	ug/L	0.00
32) Benzene-d6	5.35	84	39272	5.34	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.33	67	13048	5.40	ug/L	0.00
41) Toluene-d8	7.57	98	37750	5.28	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.85	79	6241	4.95	ug/L	0.00
47) 2-Hexanone-d5	8.31	63	9167	7.57	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.44	84	17275	4.84	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.87	152	15204	5.21	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.21	85	18455	6.425 ug/L	97
3) Chloromethane	1.33	50	13201	5.452 ug/L	93
5) Vinyl chloride	1.41	62	14266	5.761 ug/L	98
6) Bromomethane	1.63	94	3845	3.086 ug/L	89
8) Chloroethane	1.70	64	8308	5.596 ug/L	92
9) Trichlorofluoromethane	1.89	101	20430	5.634 ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.29	101	10890	5.377 ug/L	96
12) 1,1-Dichloroethene	2.29	96	9844	5.372 ug/L	90
13) Acetone	2.32	43	22250	14.477 ug/L	100
14) Carbon disulfide	2.48	76	32944	5.551 ug/L	99
15) Methyl Acetate	2.62	43	13244	5.010 ug/L	92
16) Methylene chloride	2.71	84	12854	5.444 ug/L	96
17) trans-1,2-Dichloroethene	2.99	96	12064	5.636 ug/L	99
18) Methyl tert-butyl Ether	3.00	73	37677	5.058 ug/L	98
19) 1,1-Dichloroethane	3.45	63	22616	5.327 ug/L	99
20) cis-1,2-Dichloroethene	4.23	96	13182	5.084 ug/L	98
22) 2-Butanone	4.27	43	21657	10.852 ug/L	98
23) Bromochloromethane	4.55	128	6893	5.286 ug/L	95
25) Chloroform	4.68	83	23832	5.350 ug/L	98
27) 1,2-Dichloroethane	5.41	62	19031	5.145 ug/L	# 92
29) Cyclohexane	5.00	56	19199	5.484 ug/L	96
30) 1,1,1-Trichloroethane	4.92	97	19959	5.032 ug/L	95
31) Carbon tetrachloride	5.14	117	19687	5.622 ug/L	99
33) Benzene	5.39	78	47832	5.390 ug/L	100
34) Trichloroethene	6.19	95	12821	5.453 ug/L	96
35) Methylcyclohexane	6.42	83	19670	5.343 ug/L	100
37) 1,2-Dichloropropane	6.44	63	12962	5.323 ug/L	# 92
38) Bromodichloromethane	6.76	83	16538	5.060 ug/L	99
39) cis-1,3-Dichloropropene	7.27	75	19042	5.041 ug/L	100
40) 4-Methyl-2-pentanone	7.46	43	31334	8.987 ug/L	99

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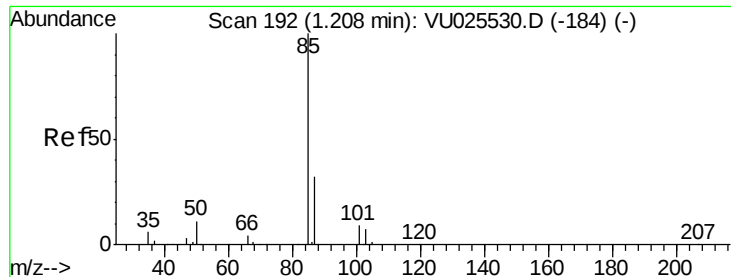
Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Jul 21 00:56:02 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM072018WMA.M
 Quant Title : VOC Analysis
 QLast Update : Sat Jul 21 00:55:40 2018
 Response via : Initial Calibration

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

42) Toluene	7.64	91	49551	5.209	ug/L	98
44) trans-1,3-Dichloropropene	7.89	75	17767	4.913	ug/L	98
45) 1,1,2-Trichloroethane	8.07	97	12637	5.461	ug/L	96
46) Tetrachloroethene	8.23	164	10515	5.239	ug/L	95
48) 2-Hexanone	8.36	43	28358	10.102	ug/L	97
49) Dibromochloromethane	8.48	129	13625	4.879	ug/L	98
50) 1,2-Dibromoethane	8.59	107	13132	5.165	ug/L	97
51) Chlorobenzene	9.12	112	34127	5.355	ug/L	96
52) Ethylbenzene	9.25	91	53297	5.016	ug/L	98
53) m,p-Xylene	9.38	106	19862	4.863	ug/L	100
54) o-xylene	9.78	106	21186	5.162	ug/L	97
55) Styrene	9.80	104	31802	4.695	ug/L	99
56) Isopropylbenzene	10.17	105	51856	4.861	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.46	83	19333	4.884	ug/L	98
59) 1,2,3-Trichloropropane	10.50	75	14797	4.648	ug/L	100
61) Bromoform	9.96	173	9882	4.969	ug/L	98
62) 1,3-Dichlorobenzene	11.42	146	24642	5.141	ug/L	100
63) 1,4-Dichlorobenzene	11.51	146	25787	5.305	ug/L	95
65) 1,2-Dichlorobenzene	11.88	146	25878	5.126	ug/L	96
66) 1,2-Dibromo-3-chloropropan	12.66	75	4197	4.623	ug/L	92
67) 1,3,5-Trichlorobenzene	12.89	180	18702	5.005	ug/L	99
68) 1,2,4-trichlorobenzene	13.51	180	14349	4.355	ug/L	99
69) Naphthalene	13.75	128	38984	3.547	ug/L	100
70) 1,2,3-Trichlorobenzene	13.99	180	15581	4.441	ug/L	98

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



#2

Dichlorodifluoromethane

Concen: 6.425 ug/L

RT: 1.21 min Scan# 192

Delta R.T. -0.00 min

Lab File: VU025528.D

Acq: 20 Jul 2018 09:19

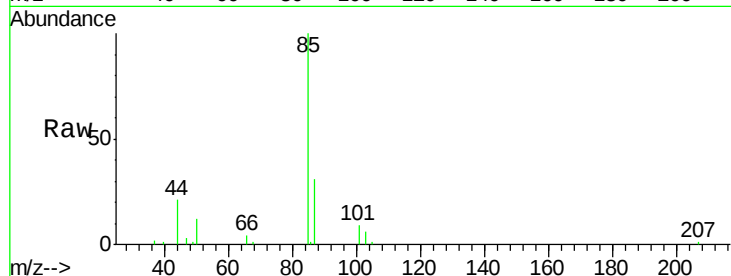
Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 85 Resp: 18455

Ion Ratio Lower Upper

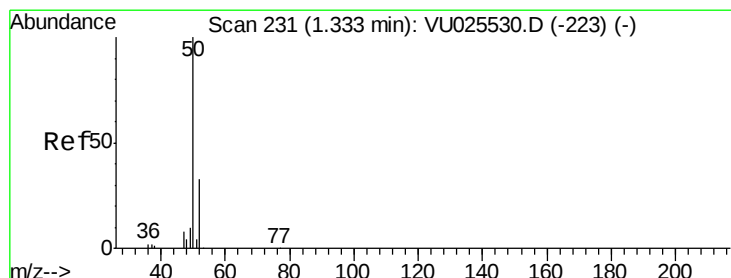
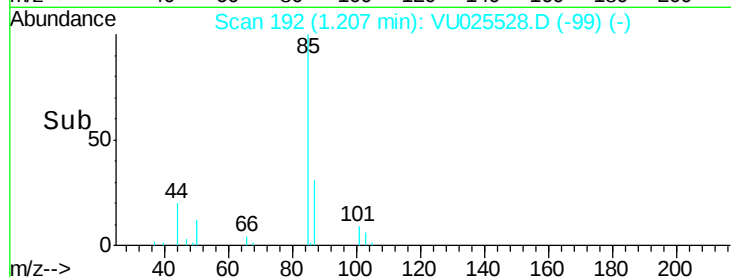
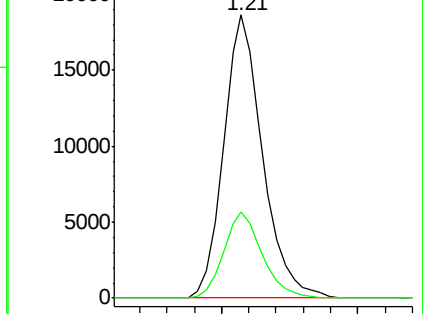
85 100

87 30.3 25.6 38.4



Abundance Ion 85.00 (84.70 to 85.70): VU0

Ion 87.00 (86.70 to 87.70): VU0



#3

Chloromethane

Concen: 5.452 ug/L

RT: 1.33 min Scan# 231

Delta R.T. -0.00 min

Lab File: VU025528.D

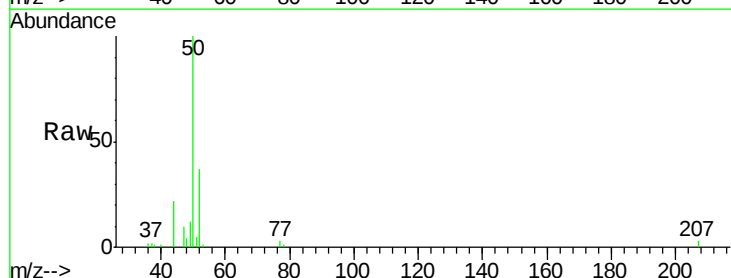
Acq: 20 Jul 2018 09:19

Tgt Ion: 50 Resp: 13201

Ion Ratio Lower Upper

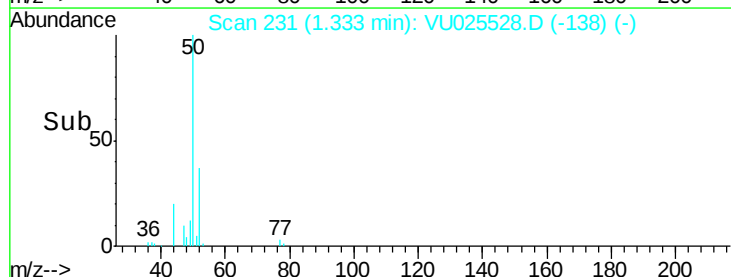
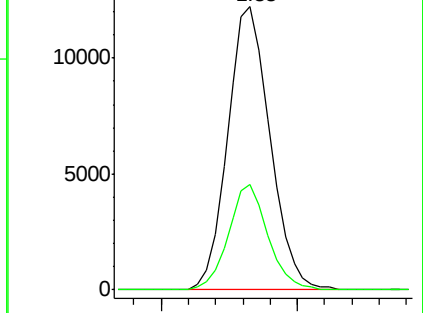
50 100

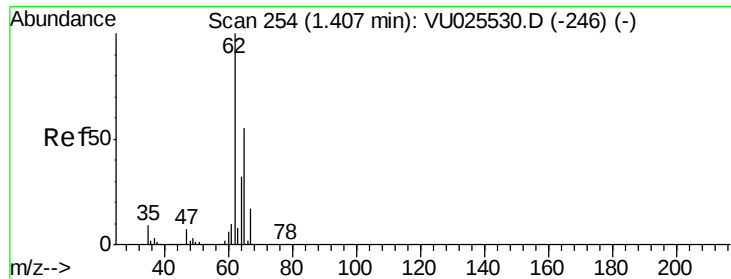
52 37.1 23.2 43.2



Abundance Ion 50.00 (49.70 to 50.70): VU0

Ion 52.00 (51.70 to 52.70): VU0





#5

Vinyl chloride

Concen: 5.761 ug/L

RT: 1.41 min Scan# 254

Delta R.T. -0.00 min

Lab File: VU025528.D

Acq: 20 Jul 2018 09:19

Instrument :

MSVOA_U

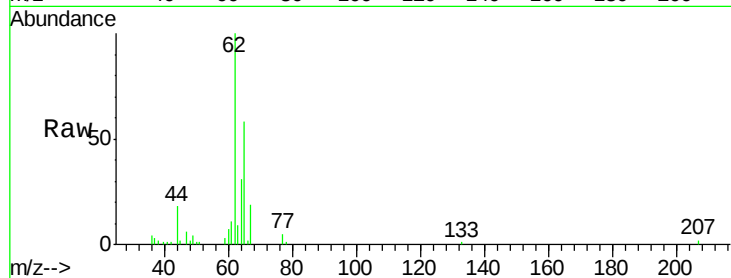
ClientSampled :

Tot Ion: 62 Resp: 14266

Ion Ratio Lower Upper

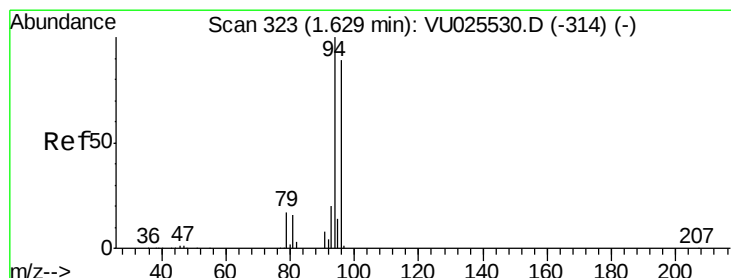
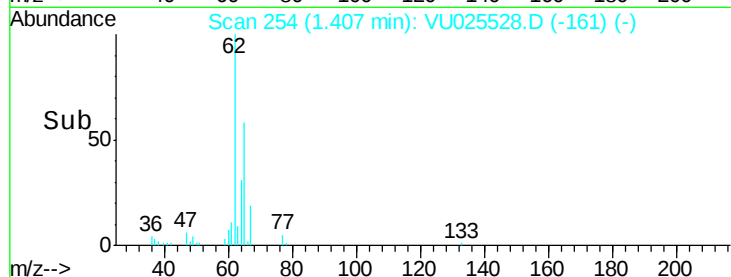
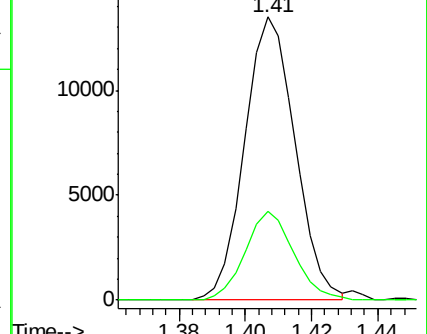
62 100

64 31.2 22.7 42.1



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 64.00 (63.70 to 64.70): VU0



#6

Bromomethane

Concen: 3.086 ug/L

RT: 1.63 min Scan# 324

Delta R.T. 0.00 min

Lab File: VU025528.D

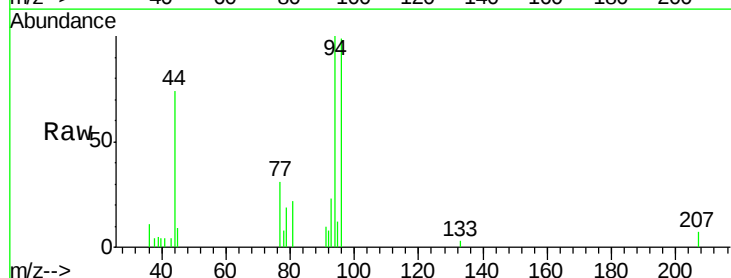
Acq: 20 Jul 2018 09:19

Tgt Ion: 94 Resp: 3845

Ion Ratio Lower Upper

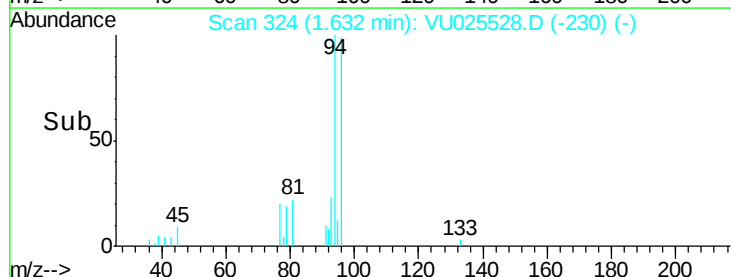
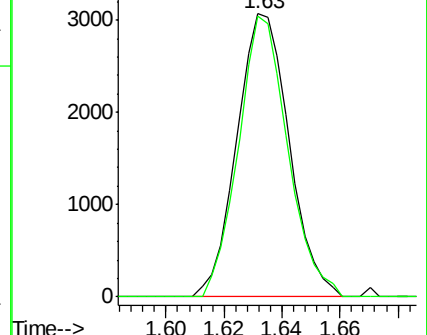
94 100

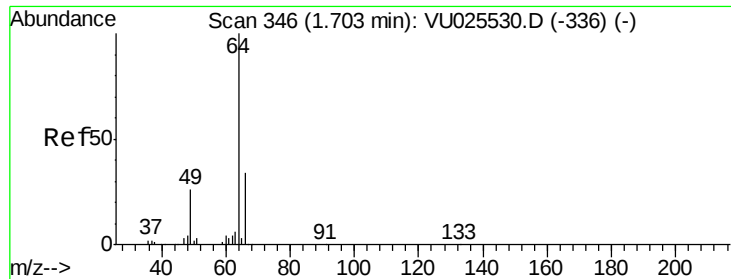
96 99.2 62.4 115.8



Abundance Ion 94.00 (93.70 to 94.70): VU0

Ion 96.00 (95.70 to 96.70): VU0

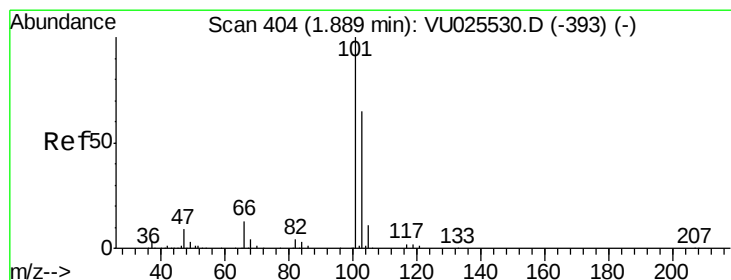
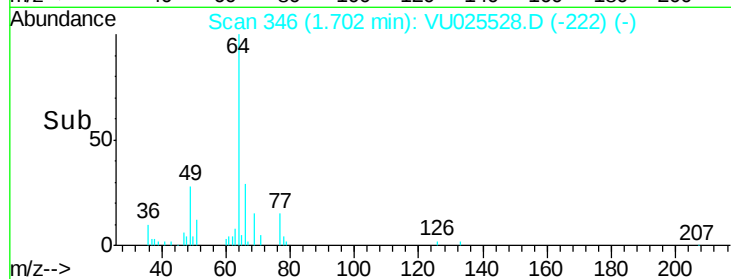
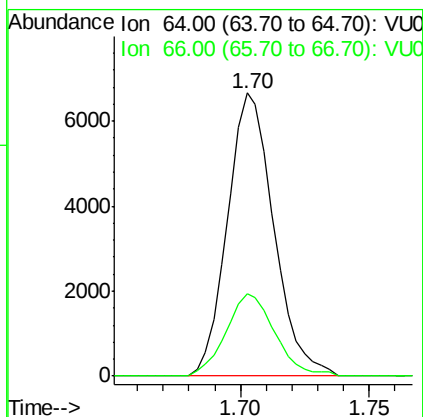
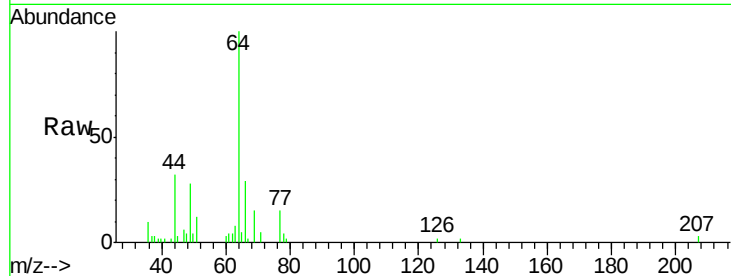




#8
Chloroethane
Concen: 5.596 ug/L
RT: 1.70 min Scan# 346
Delta R.T. -0.00 min
Lab File: VU025528.D
Acq: 20 Jul 2018 09:19

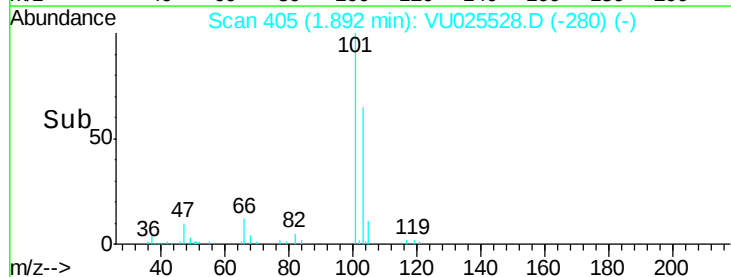
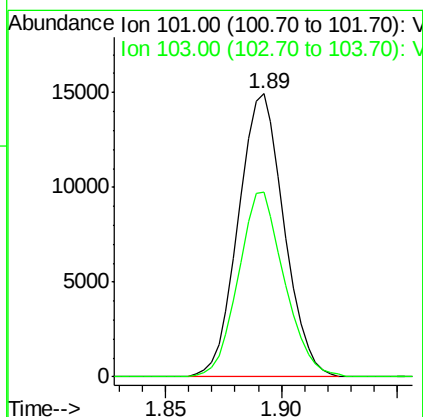
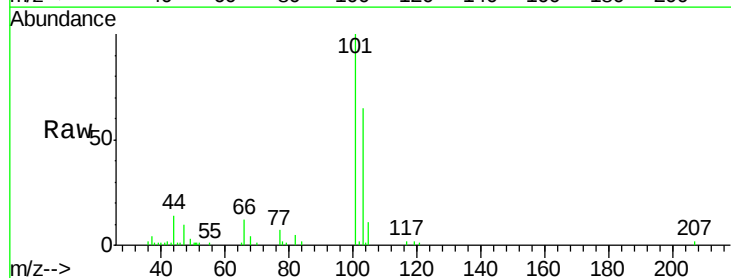
Instrument :
MSVOA_U
ClientSampleId :

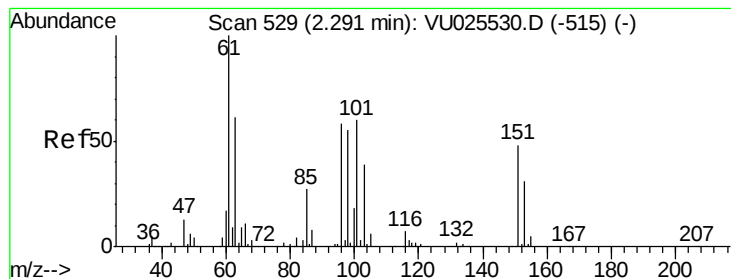
Tot Ion: 64 Resp: 8308
Ion Ratio Lower Upper
64 100
66 29.0 23.5 43.7



#9
Trichlorofluoromethane
Concen: 5.634 ug/L
RT: 1.89 min Scan# 405
Delta R.T. 0.00 min
Lab File: VU025528.D
Acq: 20 Jul 2018 09:19

Tgt Ion: 101 Resp: 20430
Ion Ratio Lower Upper
101 100
103 65.9 52.0 78.0





#10

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

Concen: 5.377 ug/L

RT: 2.29 min Scan# 530

Delta R.T. 0.00 min

Lab File: VU025528.D

Acq: 20 Jul 2018 09:19

Instrument :

MSVOA_U

ClientSampleId :

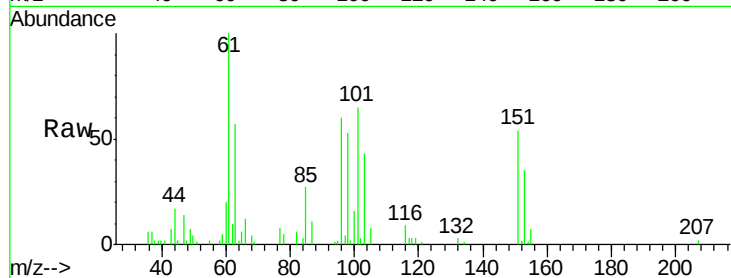
Tot Ion:101 Resp: 10890

Ion Ratio Lower Upper

101 100

85 43.4 35.5 53.3

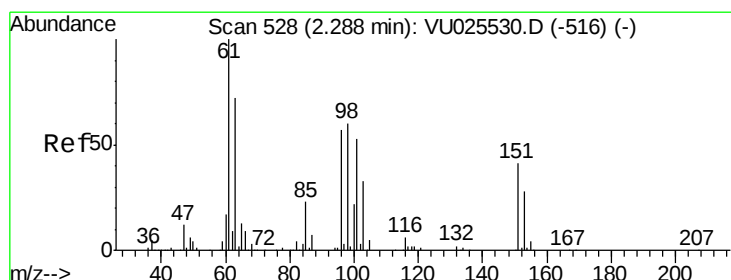
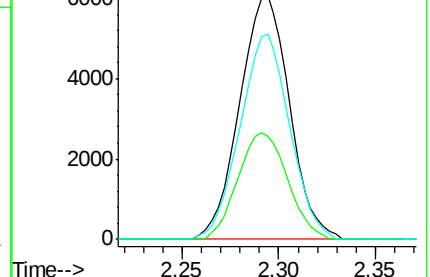
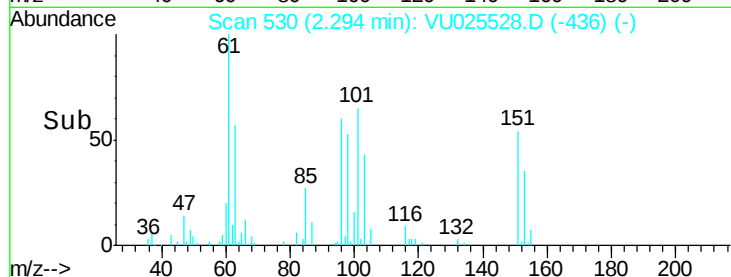
151 83.9 63.5 95.3



Abundance Ion 101.00 (100.70 to 101.70): VU025528.D (-436) (-)

Ion 85.00 (84.70 to 85.70): VU025528.D (-436) (-)

Ion 151.00 (150.70 to 151.70): VU025528.D (-436) (-)



#12

1,1-Dichloroethene

Concen: 5.372 ug/L

RT: 2.29 min Scan# 528

Delta R.T. -0.00 min

Lab File: VU025528.D

Acq: 20 Jul 2018 09:19

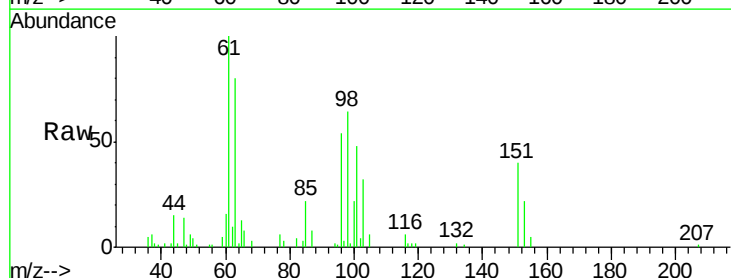
Tgt Ion: 96 Resp: 9844

Ion Ratio Lower Upper

96 100

61 184.8 122.5 227.5

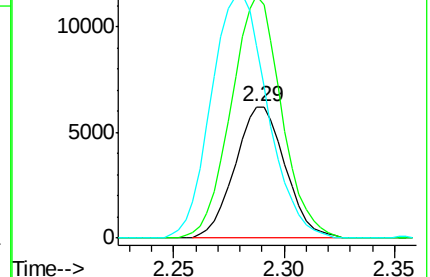
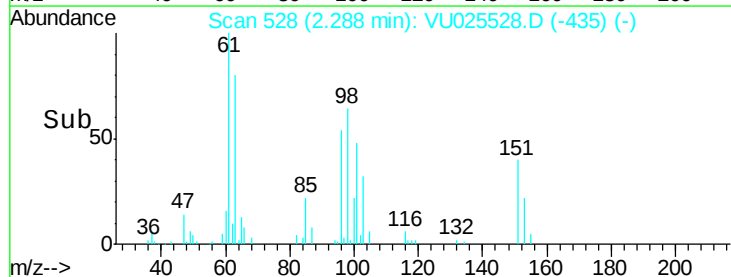
63 147.0 90.9 168.9

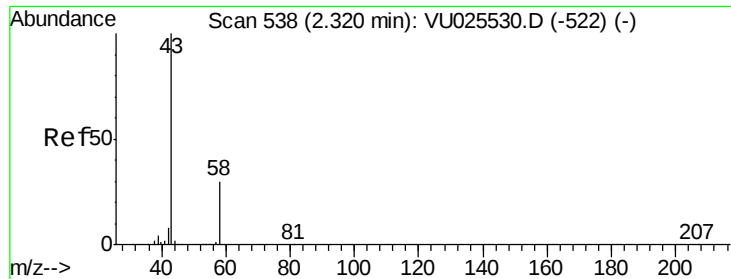


Abundance Ion 96.00 (95.70 to 96.70): VU025528.D (-435) (-)

Ion 61.00 (60.70 to 61.70): VU025528.D (-435) (-)

Ion 63.00 (62.70 to 63.70): VU025528.D (-435) (-)





#13

Acetone

Concen: 14.477 ug/L

RT: 2.32 min Scan# 538

Delta R.T. -0.00 min

Lab File: VU025528.D

Acq: 20 Jul 2018 09:19

Instrument :

MSVOA_U

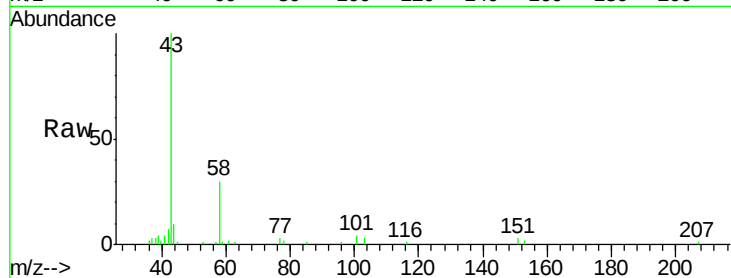
ClientSampleId :

Tot Ion: 43 Resp: 22250

Ion Ratio Lower Upper

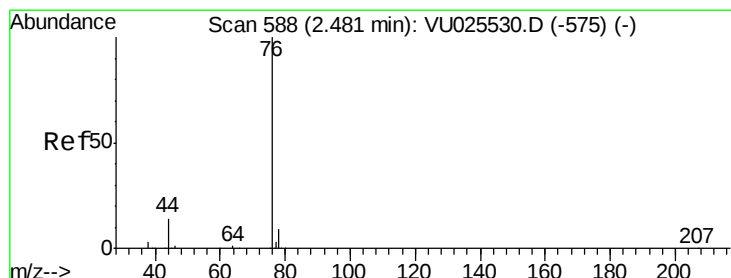
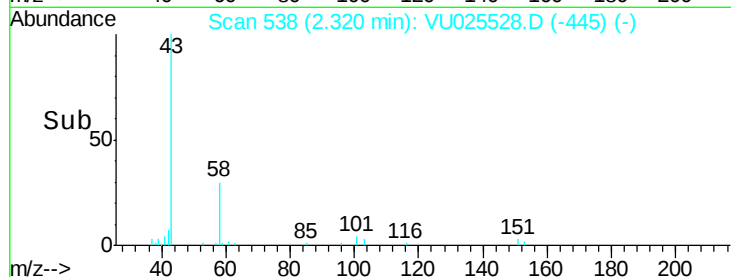
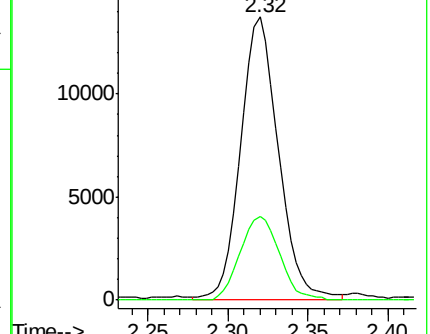
43 100

58 30.5 0.0 61.2



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0



#14

Carbon disulfide

Concen: 5.551 ug/L

RT: 2.48 min Scan# 588

Delta R.T. -0.00 min

Lab File: VU025528.D

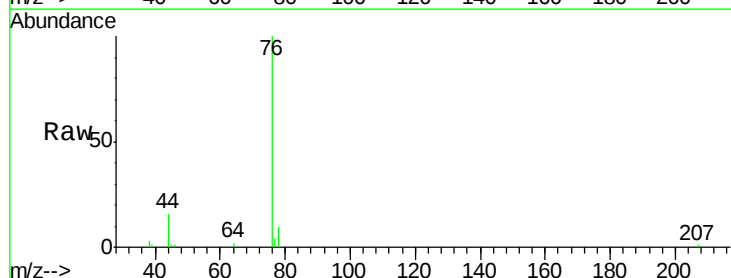
Acq: 20 Jul 2018 09:19

Tgt Ion: 76 Resp: 32944

Ion Ratio Lower Upper

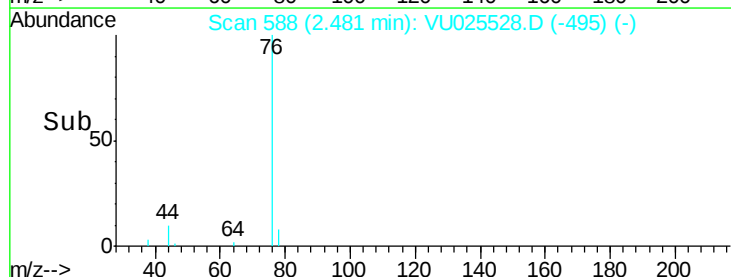
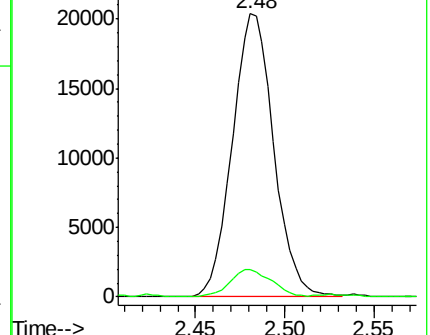
76 100

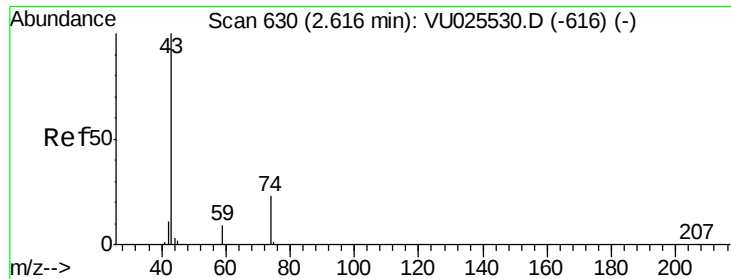
78 9.6 7.4 11.0



Abundance Ion 76.00 (75.70 to 76.70): VU0

Ion 78.00 (77.70 to 78.70): VU0





#15

Methvl Acetate

Concen: 5.010 ug/L

RT: 2.62 min Scan# 630

Delta R.T. -0.00 min

Lab File: VU025528.D

Acq: 20 Jul 2018 09:19

Instrument :

MSVOA_U

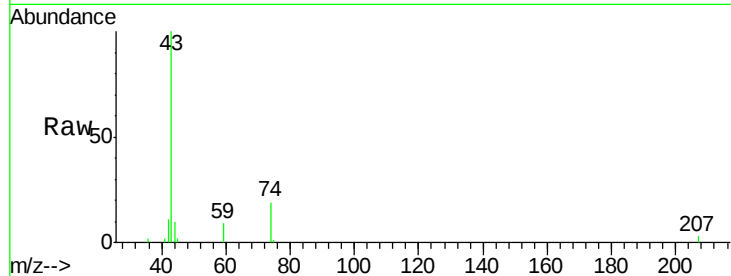
ClientSampled :

Tot Ion: 43 Resp: 13244

Ion Ratio Lower Upper

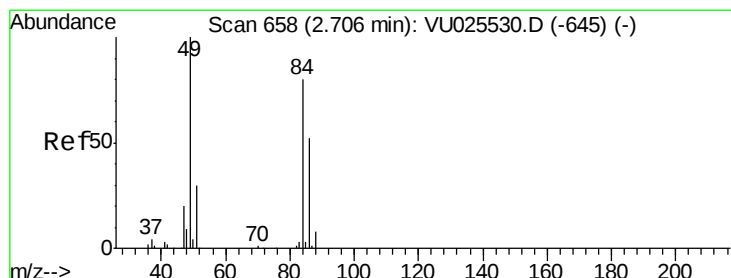
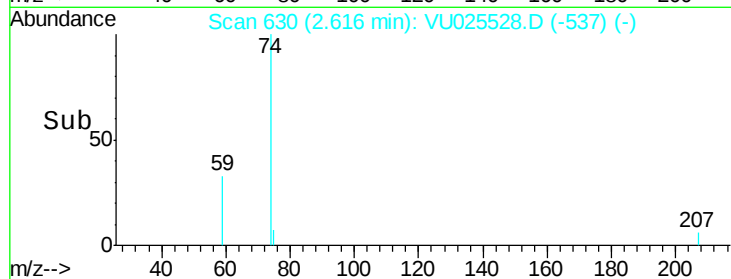
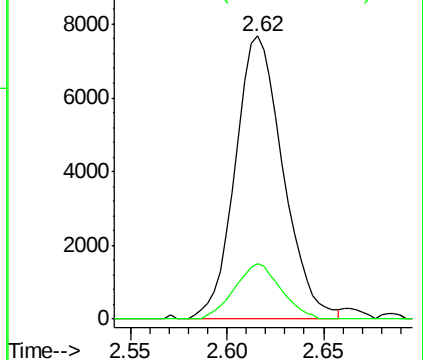
43 100

74 18.9 18.3 27.5



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 74.00 (73.70 to 74.70): VU0



#16

Methylene chloride

Concen: 5.444 ug/L

RT: 2.71 min Scan# 658

Delta R.T. -0.00 min

Lab File: VU025528.D

Acq: 20 Jul 2018 09:19

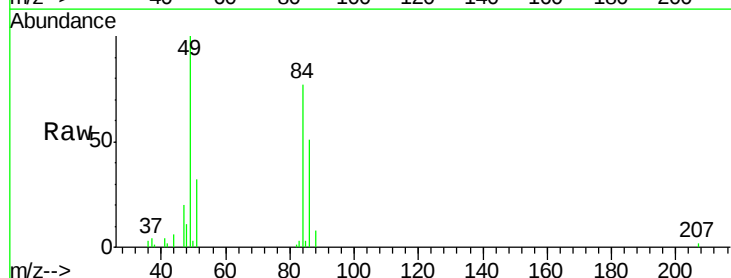
Tgt Ion: 84 Resp: 12854

Ion Ratio Lower Upper

84 100

86 66.0 45.6 84.6

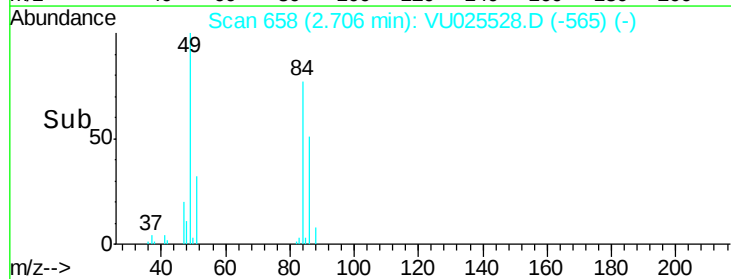
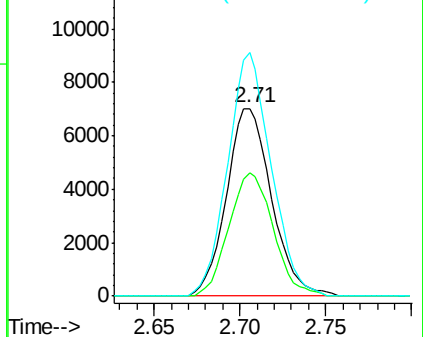
49 129.8 87.0 161.6

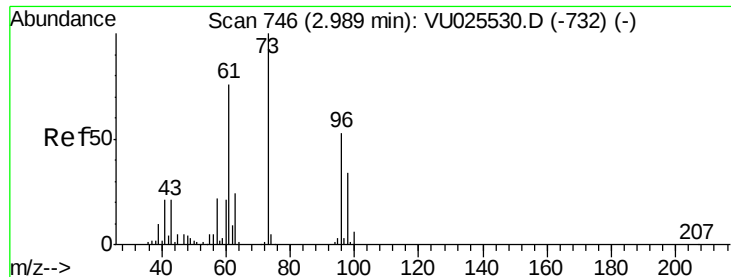


Abundance Ion 84.00 (83.70 to 84.70): VU0

Ion 86.00 (85.70 to 86.70): VU0

Ion 49.00 (48.70 to 49.70): VU0





#17

trans-1,2-Dichloroethene

Concen: 5.636 ug/L

RT: 2.99 min Scan# 745

Delta R.T. -0.00 min

Lab File: VU025528.D

Acq: 20 Jul 2018 09:19

Instrument :

MSVOA_U

ClientSampleId :

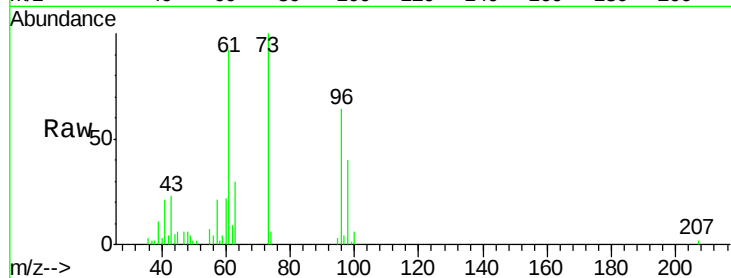
Tot Ion: 96 Resp: 12064

Ion Ratio Lower Upper

96 100

61 143.4 100.0 185.8

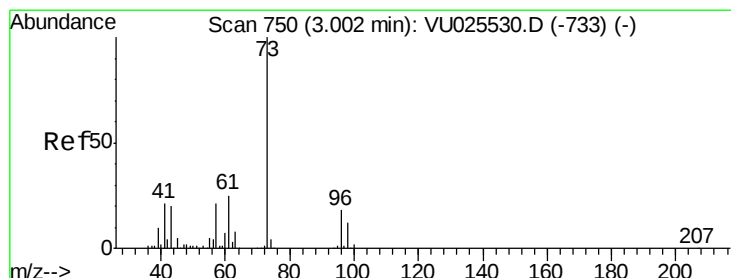
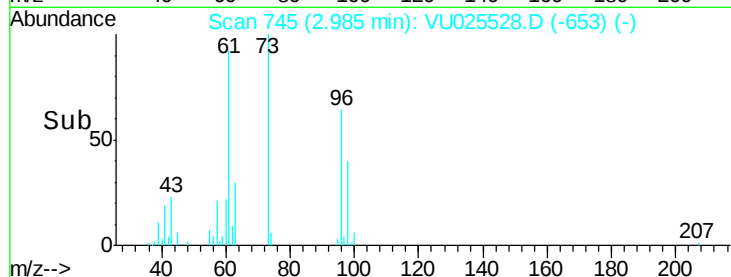
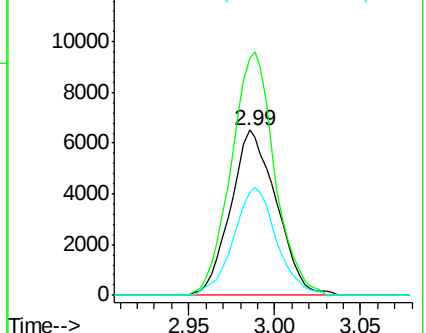
98 62.5 44.7 83.1



Abundance Ion 96.00 (95.70 to 96.70): VU025528.D (-653) (-)

Ion 61.00 (60.70 to 61.70): VU025528.D (-653) (-)

Ion 98.00 (97.70 to 98.70): VU025528.D (-653) (-)



#18

Methyl tert-butyl Ether

Concen: 5.058 ug/L

RT: 3.00 min Scan# 750

Delta R.T. -0.00 min

Lab File: VU025528.D

Acq: 20 Jul 2018 09:19

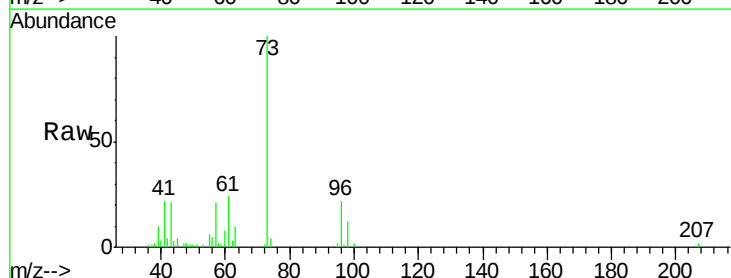
Tgt Ion: 73 Resp: 37677

Ion Ratio Lower Upper

73 100

43 21.8 16.2 24.2

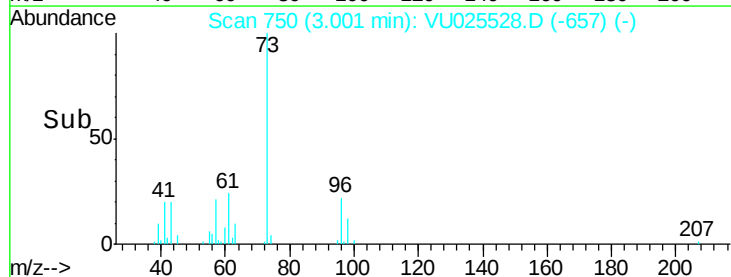
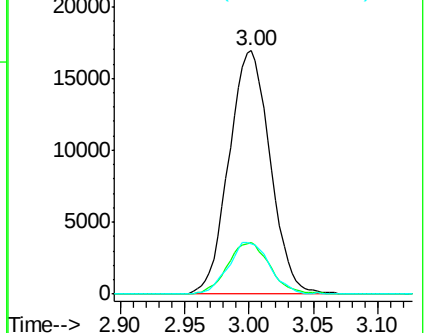
57 21.3 17.1 25.7

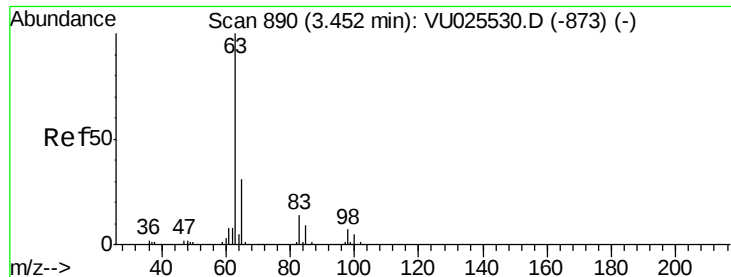


Abundance Ion 73.00 (72.70 to 73.70): VU025528.D (-657) (-)

Ion 43.00 (42.70 to 43.70): VU025528.D (-657) (-)

Ion 57.00 (56.70 to 57.70): VU025528.D (-657) (-)





#19

1,1-Dichloroethane

Concen: 5.327 ug/L

RT: 3.45 min Scan# 890

Delta R.T. -0.00 min

Lab File: VU025528.D

Acq: 20 Jul 2018 09:19

Instrument :

MSVOA_U

ClientSampleId :

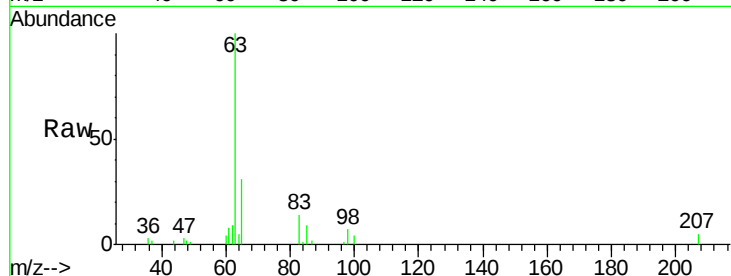
Tot Ion: 63 Resp: 22616

Ion Ratio Lower Upper

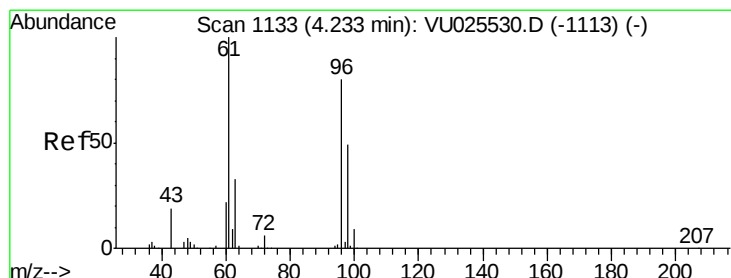
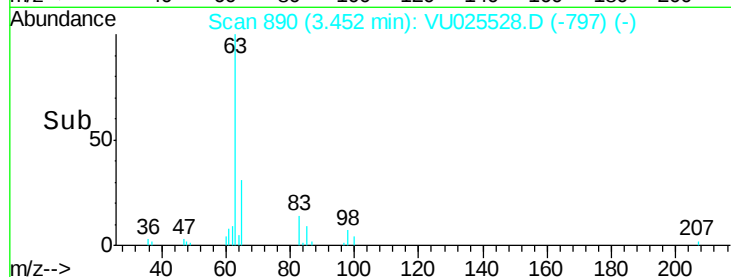
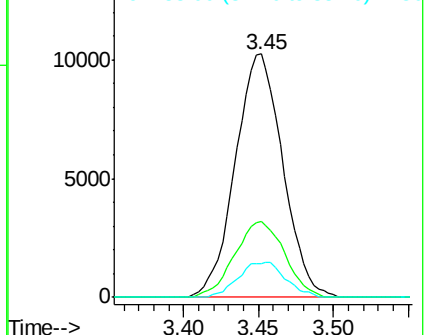
63 100

65 31.1 22.0 41.0

83 14.0 9.6 17.8



Abundance Ion 63.00 (62.70 to 63.70): VU0
Ion 65.00 (64.70 to 65.70): VU0
Ion 83.00 (82.70 to 83.70): VU0



#20

cis-1,2-Dichloroethene

Concen: 5.084 ug/L

RT: 4.23 min Scan# 1133

Delta R.T. -0.00 min

Lab File: VU025528.D

Acq: 20 Jul 2018 09:19

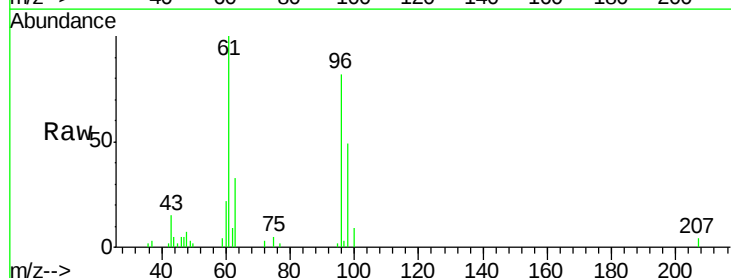
Tgt Ion: 96 Resp: 13182

Ion Ratio Lower Upper

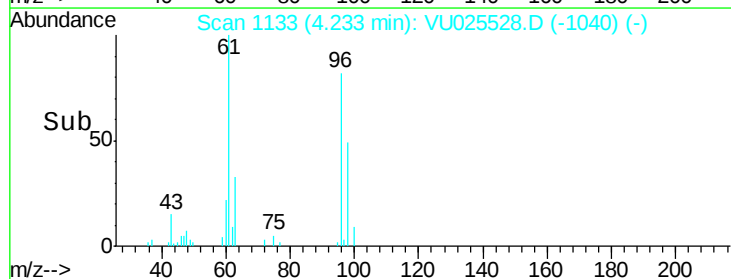
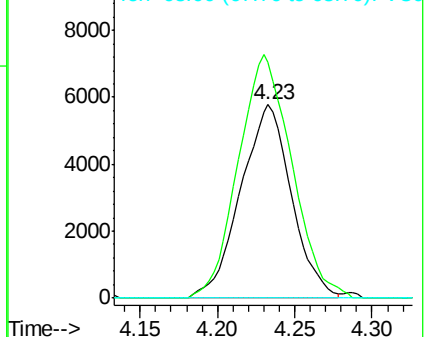
96 100

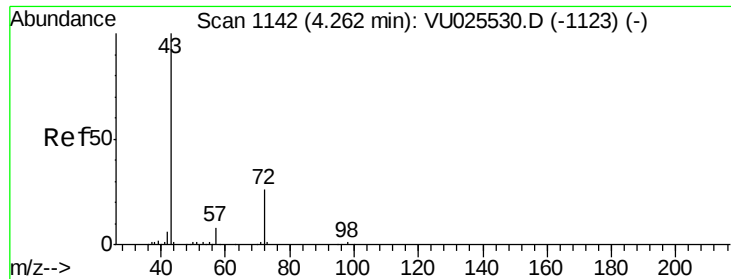
61 122.2 87.4 162.2

68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU0
Ion 61.00 (60.70 to 61.70): VU0
Ion 68.00 (67.70 to 68.70): VU0





#22

2-Butanone

Concen: 10.852 ug/L

RT: 4.27 min Scan# 1143

Delta R.T. 0.00 min

Lab File: VU025528.D

Acq: 20 Jul 2018 09:19

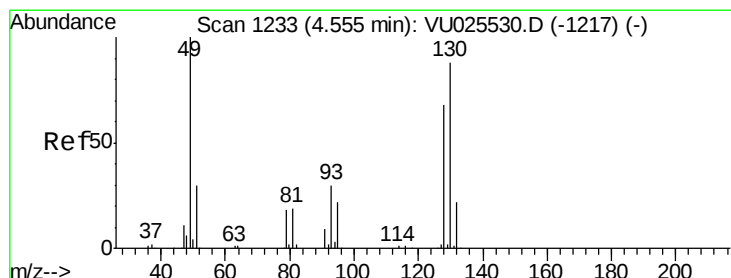
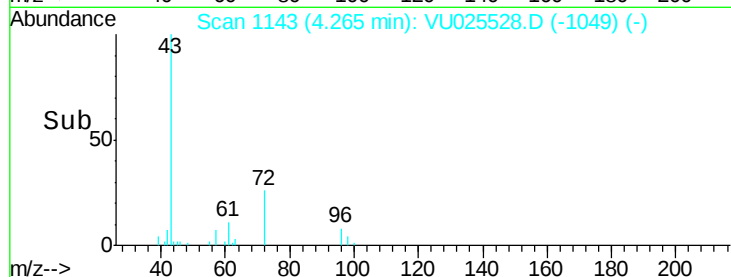
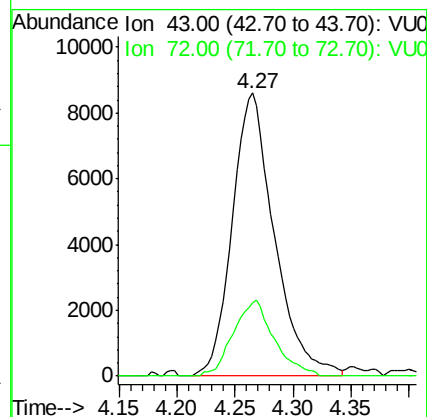
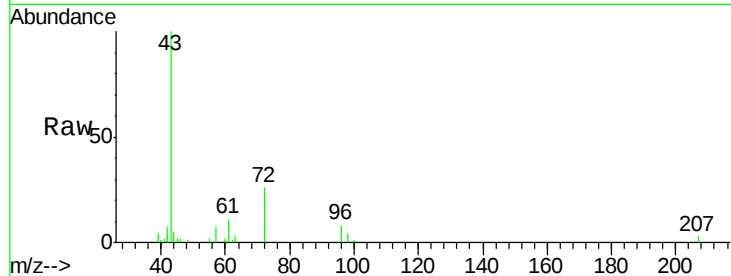
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 43 Resp: 21657

Ion Ratio Lower Upper

43 100

72 26.0 13.6 40.8



#23

Bromochloromethane

Concen: 5.286 ug/L

RT: 4.55 min Scan# 1233

Delta R.T. -0.00 min

Lab File: VU025528.D

Acq: 20 Jul 2018 09:19

Tgt Ion: 128 Resp: 6893

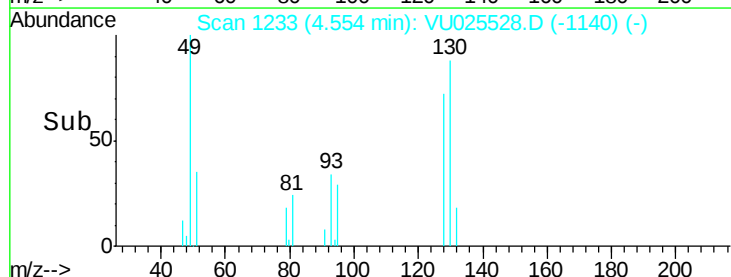
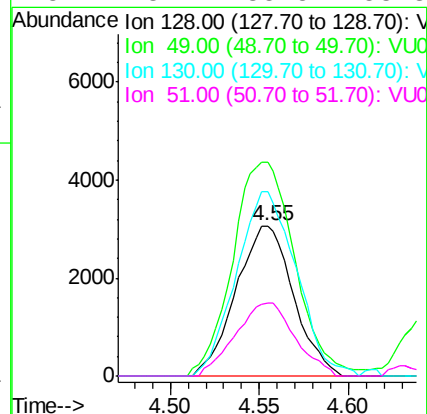
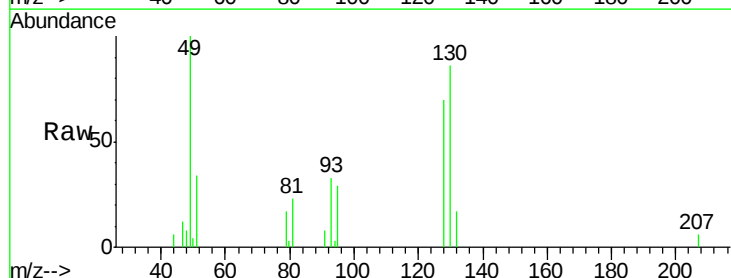
Ion Ratio Lower Upper

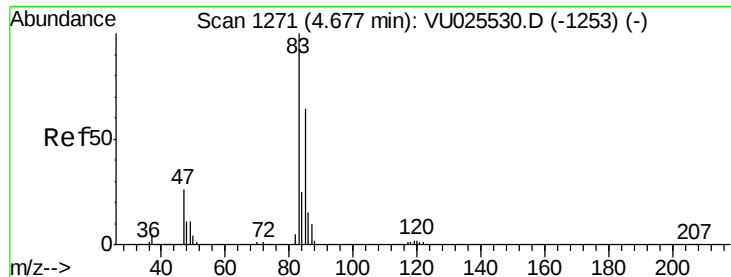
128 100

49 142.3 103.3 191.8

130 122.6 90.4 167.8

51 48.7 35.5 53.3





#25

Chloroform

Concen: 5.350 ug/L

RT: 4.68 min Scan# 1272

Delta R.T. 0.00 min

Lab File: VU025528.D

Acq: 20 Jul 2018 09:19

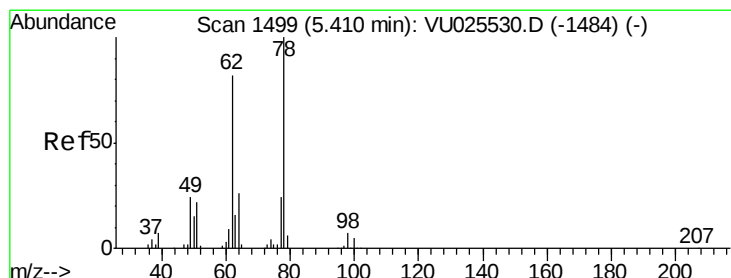
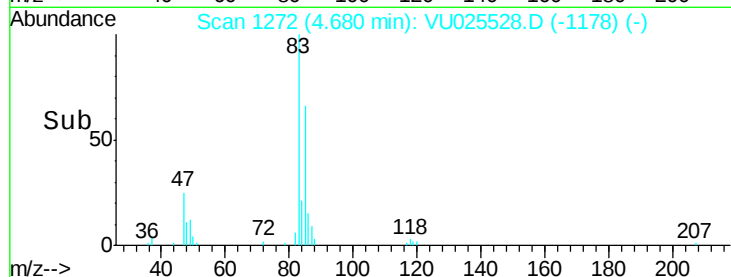
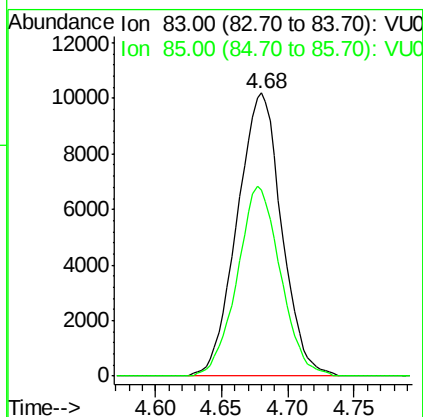
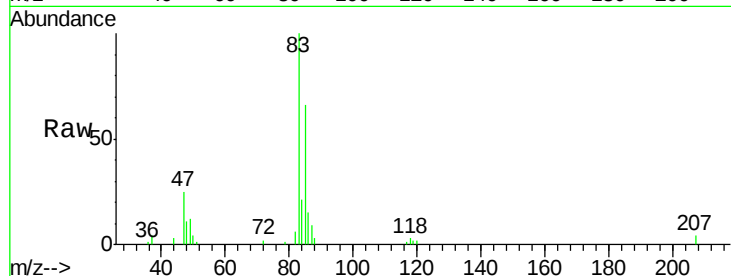
Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 83 Resp: 23832

Ion Ratio Lower Upper

83 100

85 65.6 45.0 83.6



#27

1,2-Dichloroethane

Concen: 5.145 ug/L

RT: 5.41 min Scan# 1499

Delta R.T. -0.00 min

Lab File: VU025528.D

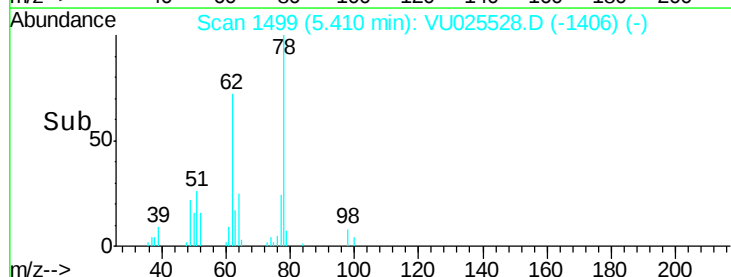
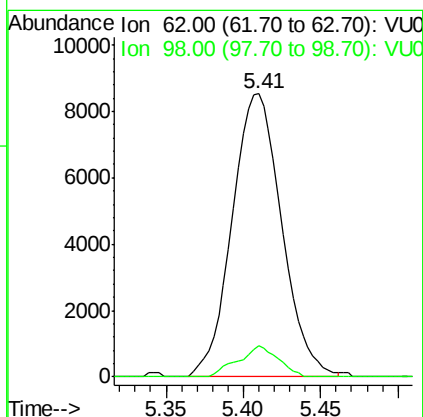
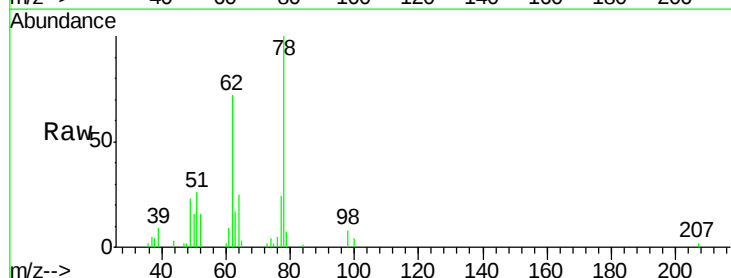
Acq: 20 Jul 2018 09:19

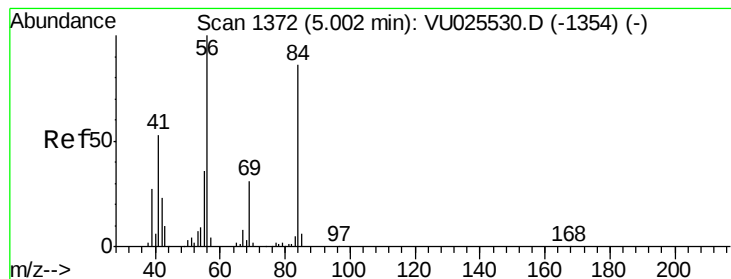
Tgt Ion: 62 Resp: 19031

Ion Ratio Lower Upper

62 100

98 10.8 6.5 9.7#





#29

Cyclohexane

Concen: 5.484 ug/L

RT: 5.00 min Scan# 1371

Delta R.T. -0.00 min

Lab File: VU025528.D

Acq: 20 Jul 2018 09:19

Instrument :
MSVOA_U
ClientSampleId :

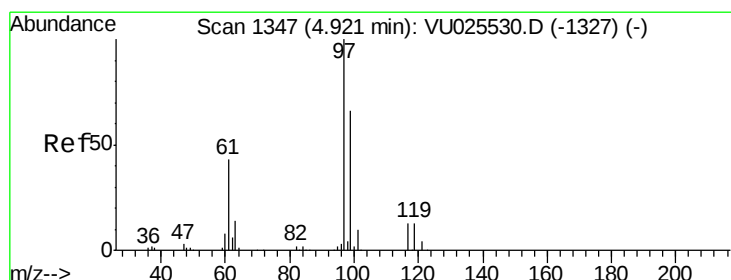
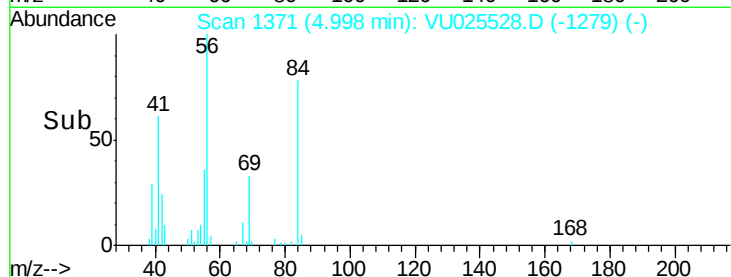
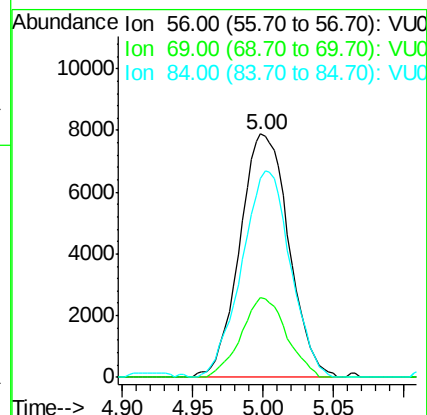
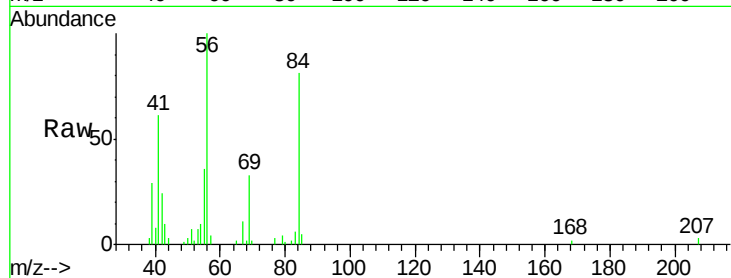
Tot Ion: 56 Resp: 19199

Ion Ratio Lower Upper

56 100

69 30.3 24.8 37.2

84 84.3 70.6 106.0



#30

1,1,1-Trichloroethane

Concen: 5.032 ug/L

RT: 4.92 min Scan# 1347

Delta R.T. -0.00 min

Lab File: VU025528.D

Acq: 20 Jul 2018 09:19

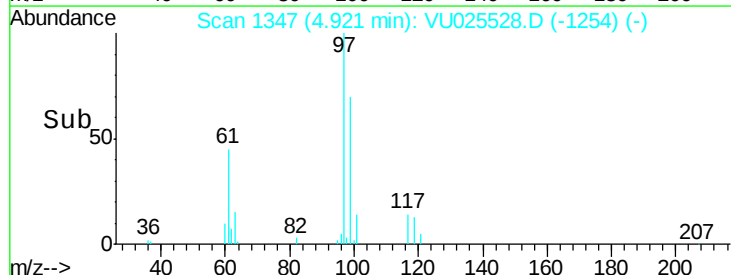
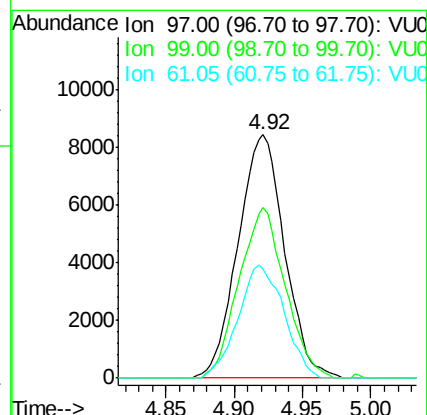
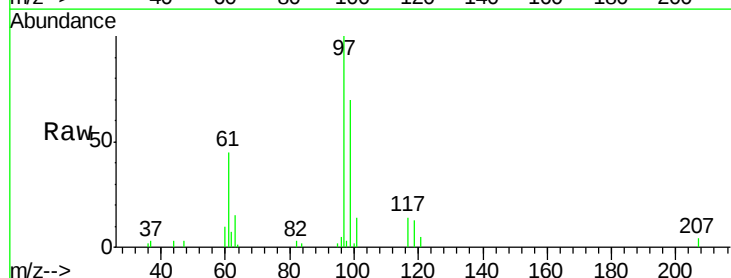
Tgt Ion: 97 Resp: 19959

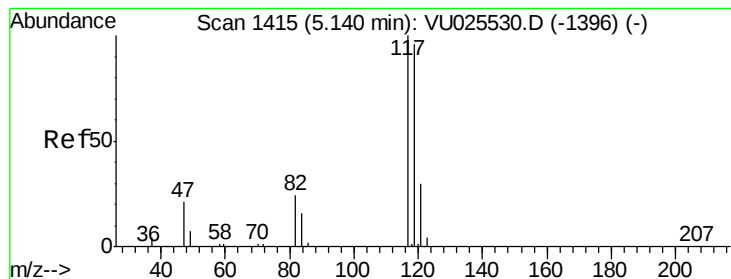
Ion Ratio Lower Upper

97 100

99 69.9 52.4 78.6

61 45.8 34.6 52.0





#31

Carbon tetrachloride

Concen: 5.622 ug/L

RT: 5.14 min Scan# 1415

Delta R.T. -0.00 min

Lab File: VU025528.D

Acq: 20 Jul 2018 09:19

Instrument :

MSVOA_U

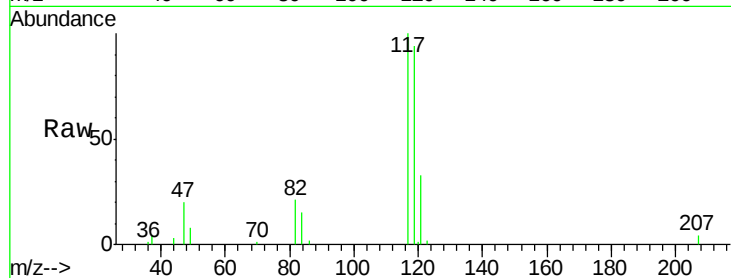
ClientSampleId :

Tot Ion:117 Resp: 19687

Ion Ratio Lower Upper

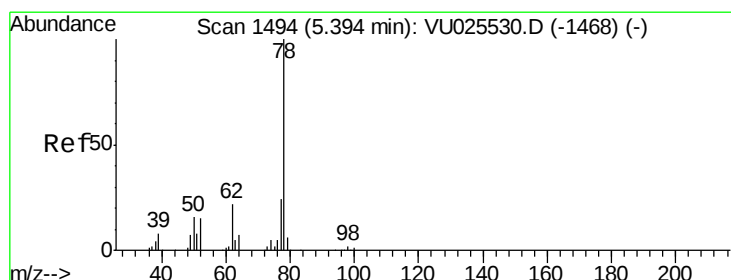
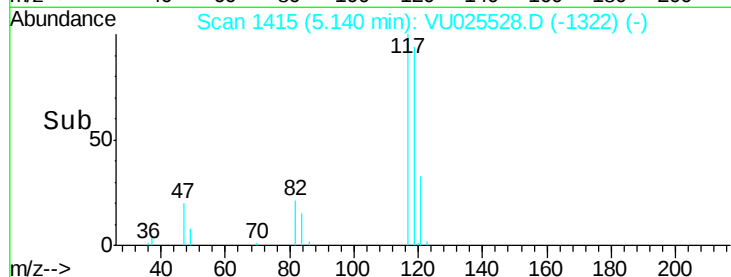
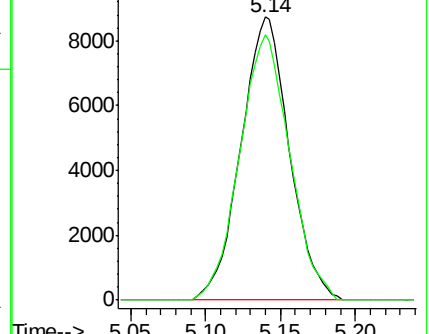
117 100

119 96.6 76.6 114.8



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#33

Benzene

Concen: 5.390 ug/L

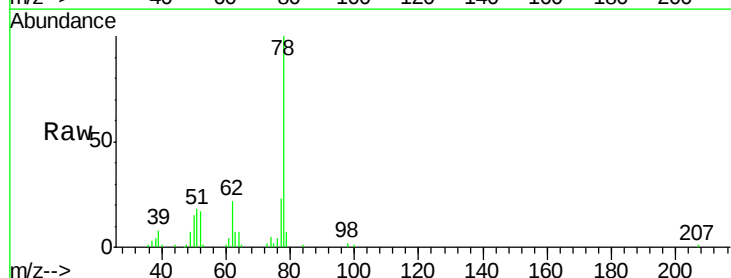
RT: 5.39 min Scan# 1494

Delta R.T. -0.00 min

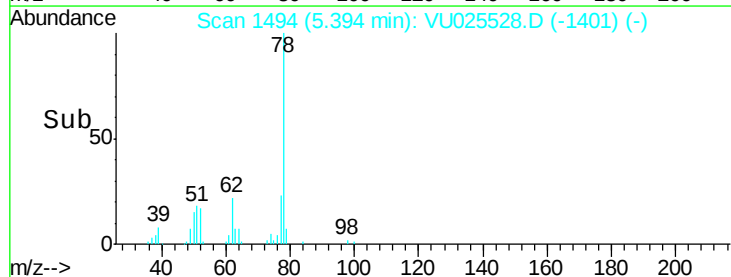
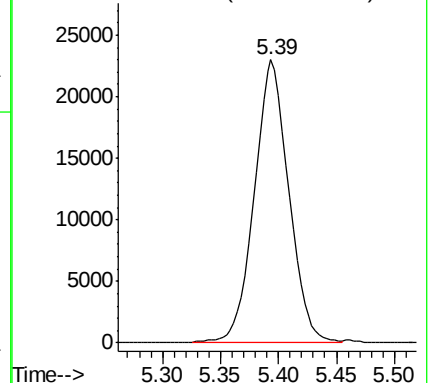
Lab File: VU025528.D

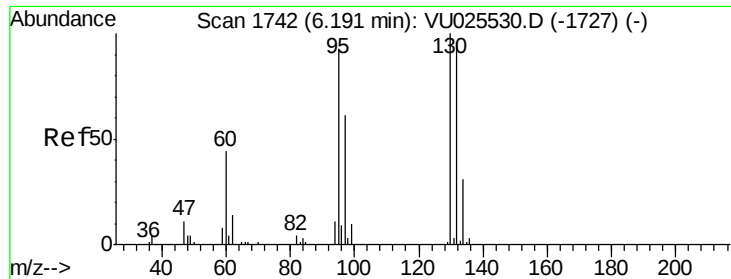
Acq: 20 Jul 2018 09:19

Tgt Ion: 78 Resp: 47832



Abundance Ion 78.00 (77.70 to 78.70): VU0

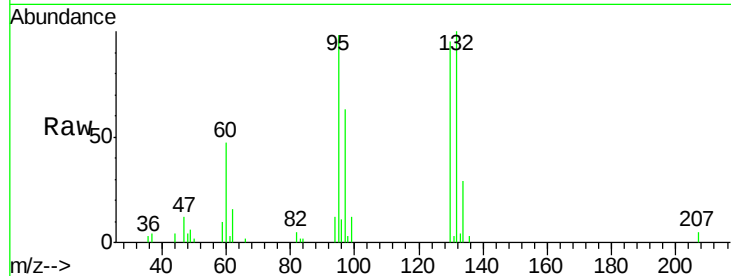




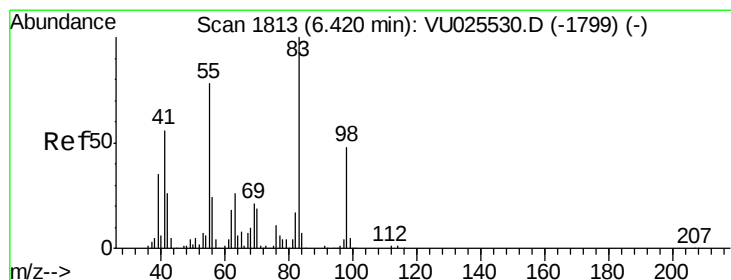
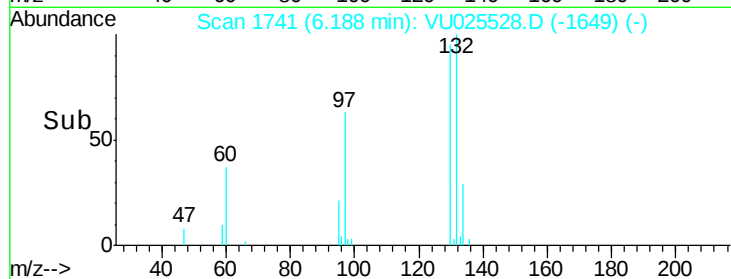
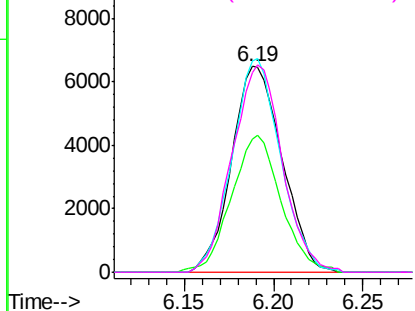
#34
 Trichloroethene
 Concen: 5.453 ug/L
 RT: 6.19 min Scan# 1741
 Delta R.T. -0.00 min
 Lab File: VU025528.D
 Acq: 20 Jul 2018 09:19

Instrument :
 MSVOA_U
 ClientSampled :

Tot Ion:	95	Resp:	12821
Ion	Ratio	Lower	Upper
95	100		
97	64.7	45.9	85.3
132	102.6	72.2	134.2
130	97.3	74.9	139.1

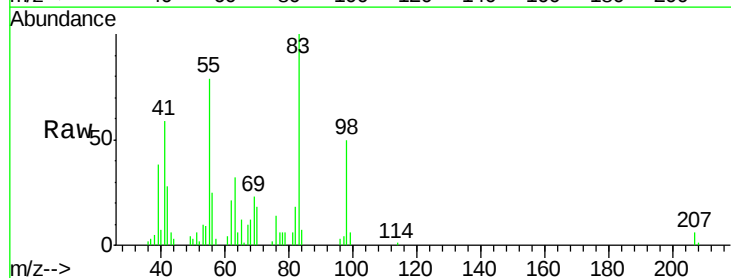


Abundance Ion 95.00 (94.70 to 95.70): VU0
 Ion 97.00 (96.70 to 97.70): VU0
 Ion 132.00 (131.70 to 132.70): V
 Ion 130.00 (129.70 to 130.70): V

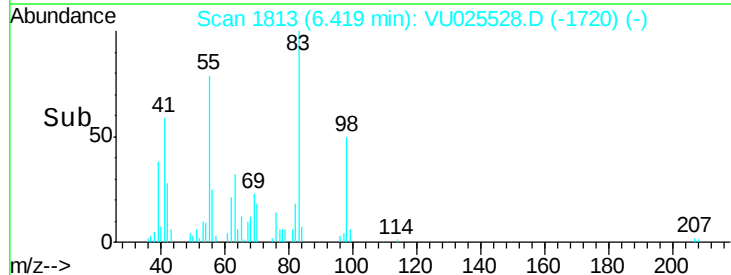
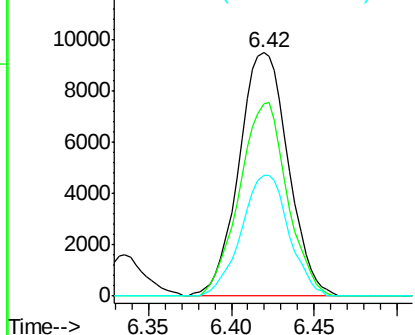


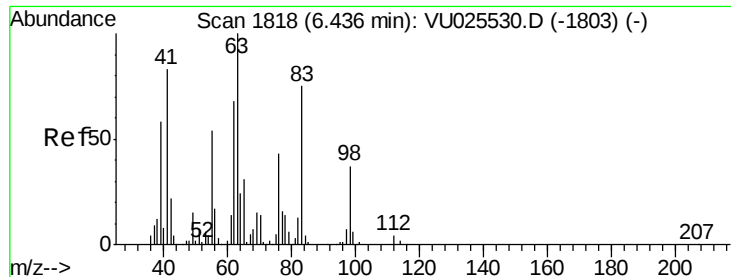
#35
 Methylcyclohexane
 Concen: 5.343 ug/L
 RT: 6.42 min Scan# 1813
 Delta R.T. -0.00 min
 Lab File: VU025528.D
 Acq: 20 Jul 2018 09:19

Tgt Ion:	83	Resp:	19670
Ion	Ratio	Lower	Upper
83	100		
55	76.7	61.1	91.7
98	47.8	38.6	57.8



Abundance Ion 83.00 (82.70 to 83.70): VU0
 Ion 55.00 (54.70 to 55.70): VU0
 Ion 98.00 (97.70 to 98.70): VU0

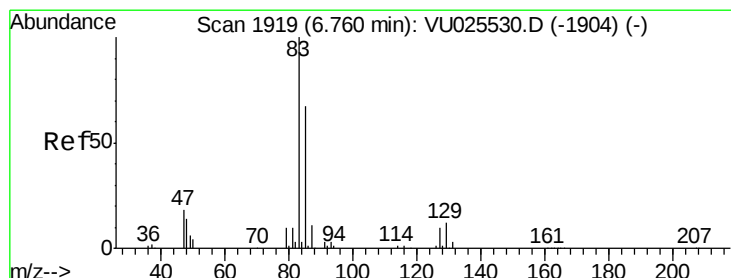
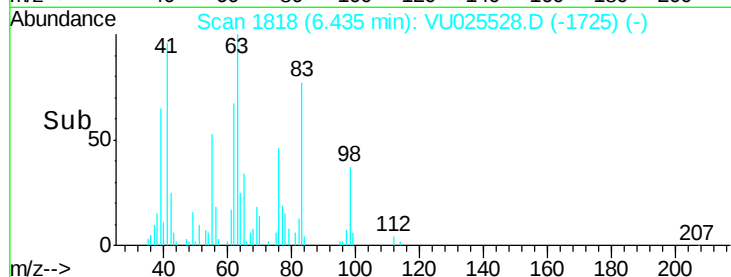
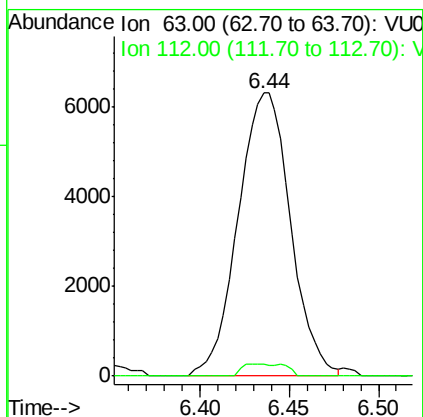
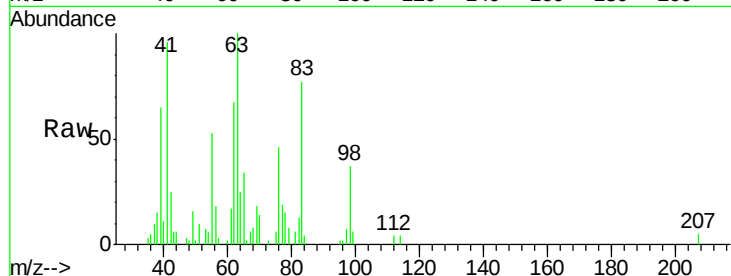




#37
 1,2-Dichloropropane
 Concen: 5.323 ug/L
 RT: 6.44 min Scan# 1818
 Delta R.T. -0.00 min
 Lab File: VU025528.D
 Acq: 20 Jul 2018 09:19

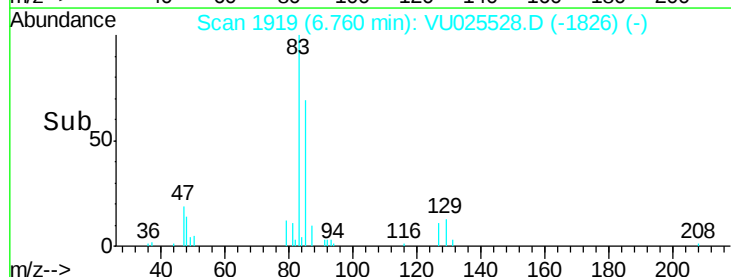
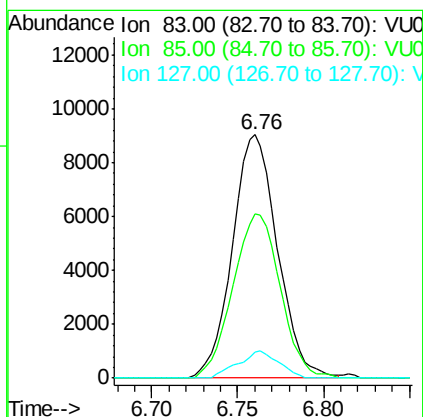
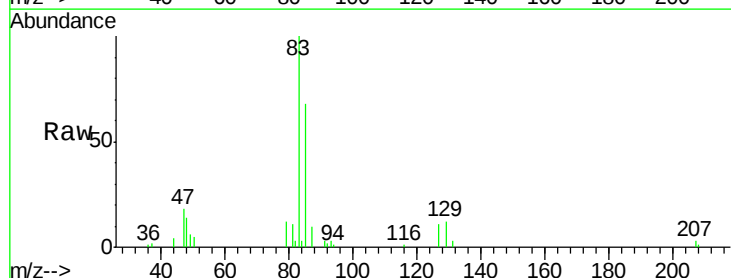
Instrument :
 MSVOA_U
 ClientSampleId :

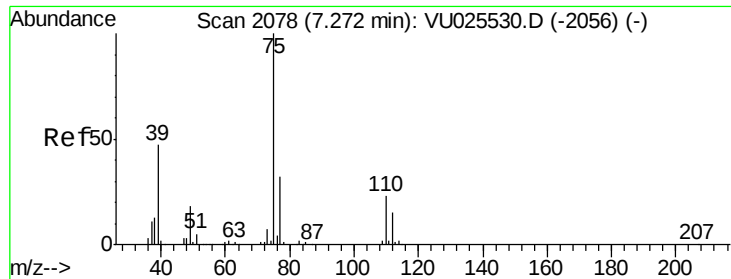
Tot Ion: 63 Resp: 12962
 Ion Ratio Lower Upper
 63 100
 112 1.5 3.3 4.9#



#38
 Bromodichloromethane
 Concen: 5.060 ug/L
 RT: 6.76 min Scan# 1919
 Delta R.T. -0.00 min
 Lab File: VU025528.D
 Acq: 20 Jul 2018 09:19

Tgt Ion: 83 Resp: 16538
 Ion Ratio Lower Upper
 83 100
 85 67.7 46.7 86.7
 127 10.8 8.0 12.0

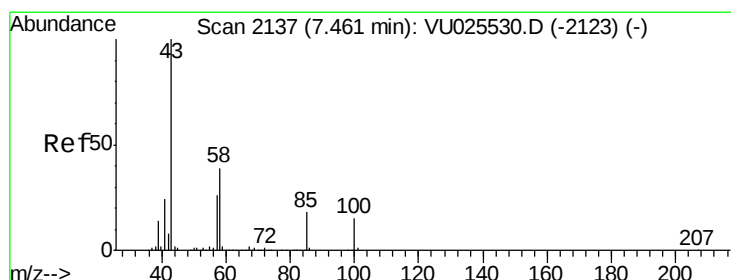
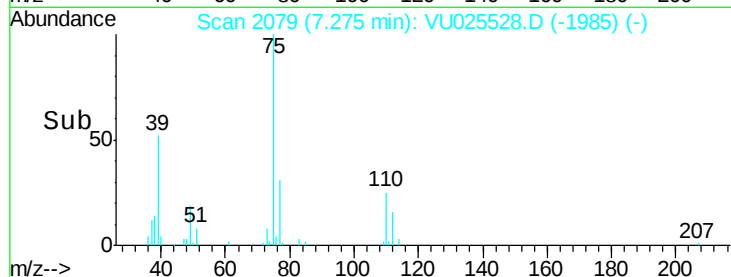
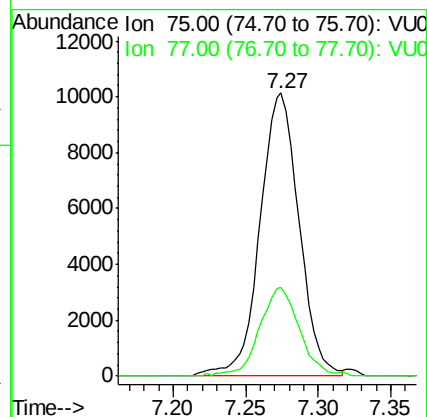
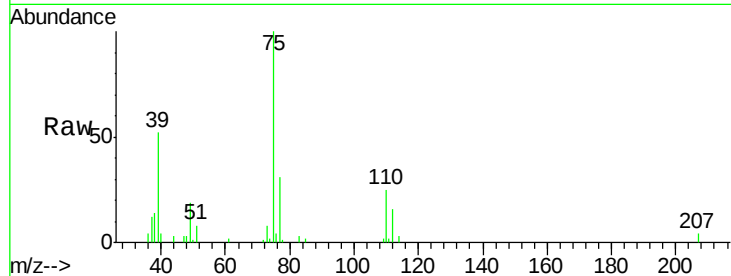




#39
 cis-1,3-Dichloropropene
 Concen: 5.041 ug/L
 RT: 7.27 min Scan# 2079
 Delta R.T. 0.00 min
 Lab File: VU025528.D
 Acq: 20 Jul 2018 09:19

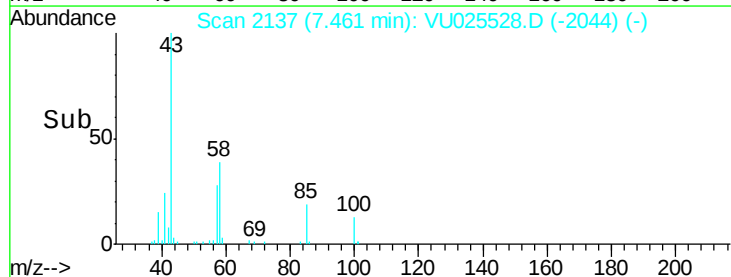
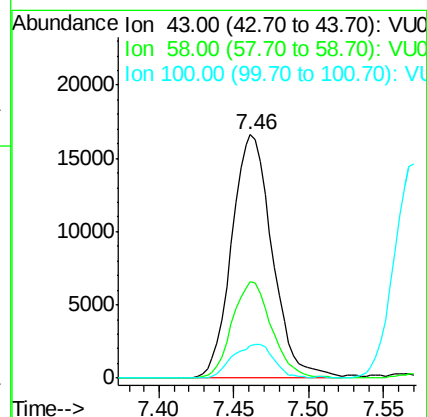
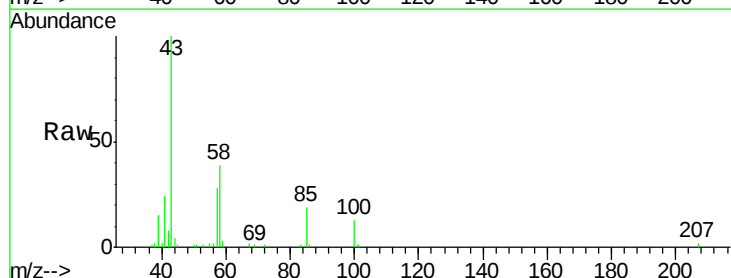
Instrument :
 MSVOA_U
 ClientSampleId :

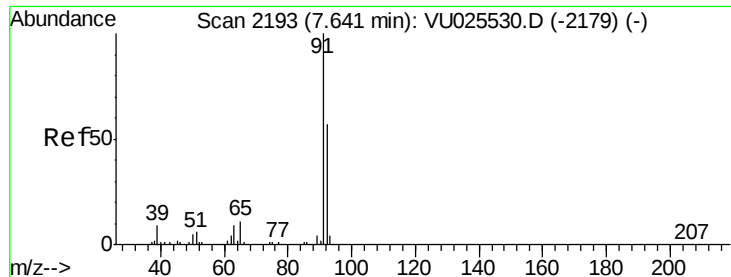
Tot Ion: 75 Resp: 19042
 Ion Ratio Lower Upper
 75 100
 77 31.4 22.0 41.0



#40
 4-Methyl-2-pentanone
 Concen: 8.987 ug/L
 RT: 7.46 min Scan# 2137
 Delta R.T. -0.00 min
 Lab File: VU025528.D
 Acq: 20 Jul 2018 09:19

Tgt Ion: 43 Resp: 31334
 Ion Ratio Lower Upper
 43 100
 58 38.4 30.8 46.2
 100 14.2 12.1 18.1





#42

Toluene

Concen: 5.209 ug/L

RT: 7.64 min Scan# 2193

Delta R.T. -0.00 min

Lab File: VU025528.D

Acq: 20 Jul 2018 09:19

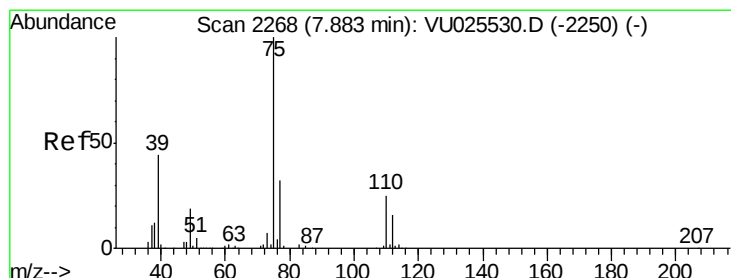
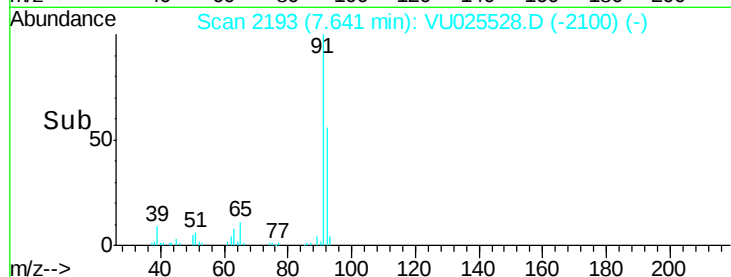
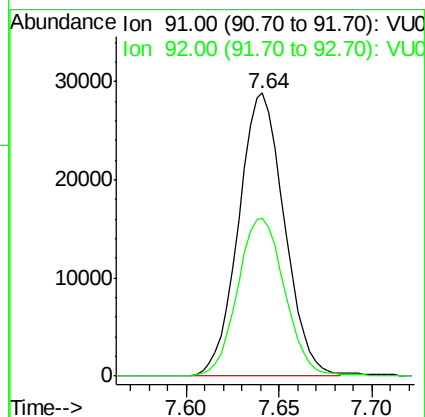
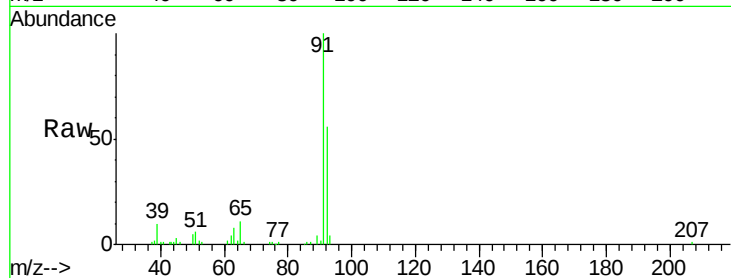
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 91 Resp: 49551

Ion Ratio Lower Upper

91 100

92 55.9 40.0 74.2



#44

trans-1,3-Dichloropropene

Concen: 4.913 ug/L

RT: 7.89 min Scan# 2269

Delta R.T. 0.00 min

Lab File: VU025528.D

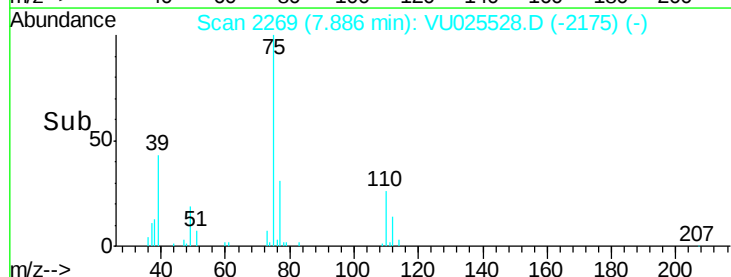
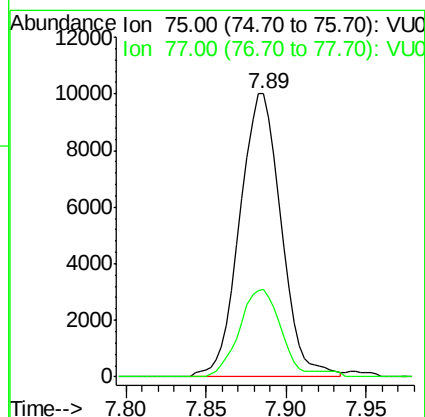
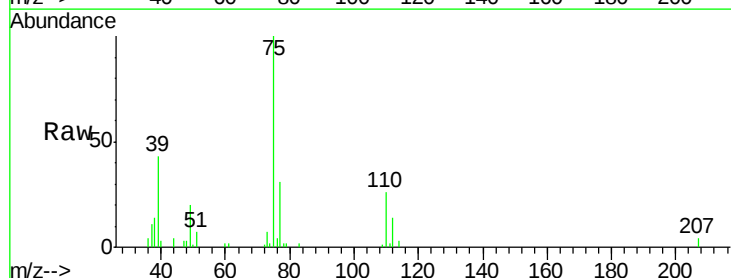
Acq: 20 Jul 2018 09:19

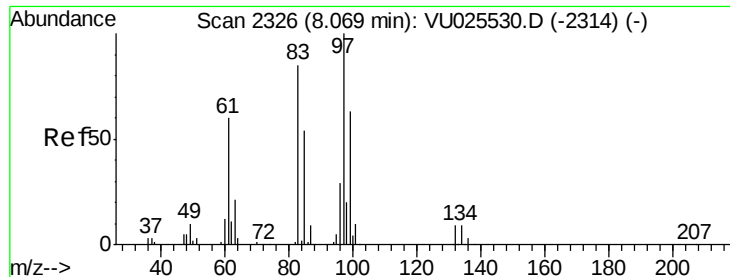
Tgt Ion: 75 Resp: 17767

Ion Ratio Lower Upper

75 100

77 30.7 22.2 41.2





#45

1,1,2-Trichloroethane

Concen: 5.461 ug/L

RT: 8.07 min Scan# 2326

Delta R.T. -0.00 min

Lab File: VU025528.D

Acq: 20 Jul 2018 09:19

Instrument :

MSVOA_U

ClientSampled :

Tot Ion: 97 Resp: 12637

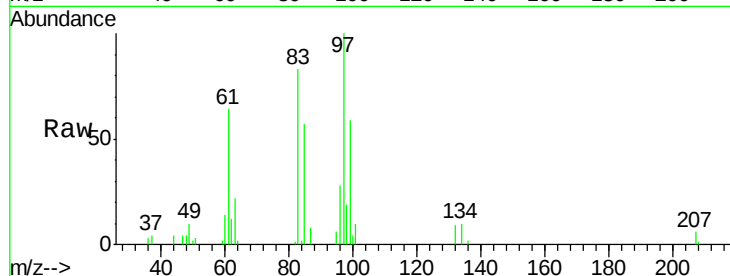
Ion Ratio Lower Upper

97 100

99 58.9 44.3 82.3

83 82.8 59.8 111.1

85 57.0 37.9 70.5



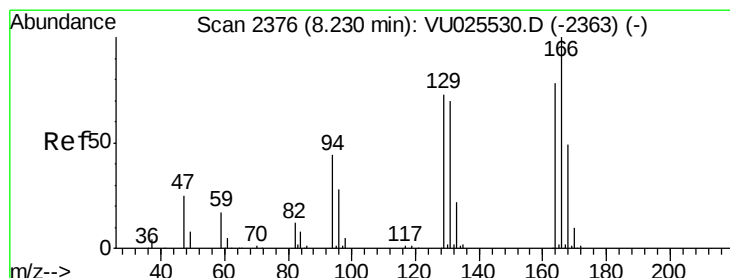
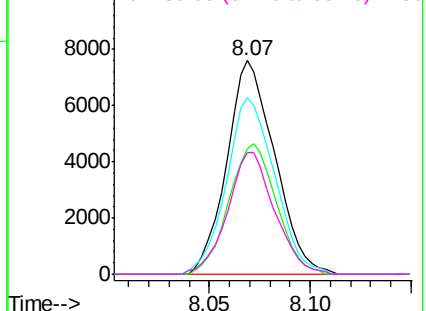
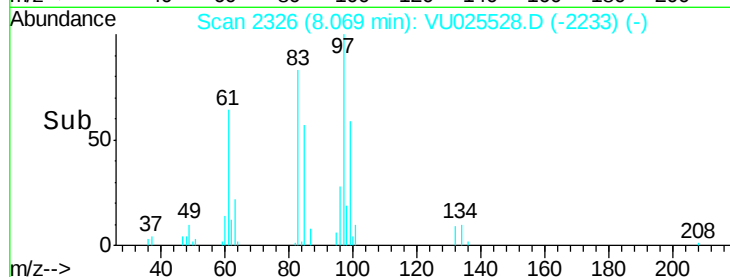
Abundance

Ion 97.00 (96.70 to 97.70): VU0

Ion 99.00 (98.70 to 99.70): VU0

Ion 83.00 (82.70 to 83.70): VU0

Ion 85.00 (84.70 to 85.70): VU0



#46

Tetrachloroethene

Concen: 5.239 ug/L

RT: 8.23 min Scan# 2376

Delta R.T. -0.00 min

Lab File: VU025528.D

Acq: 20 Jul 2018 09:19

Tgt Ion:164 Resp: 10515

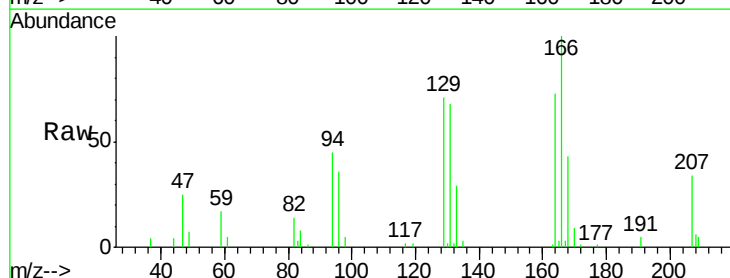
Ion Ratio Lower Upper

164 100

129 97.8 65.1 120.9

131 92.5 62.8 116.6

166 136.9 89.7 166.7



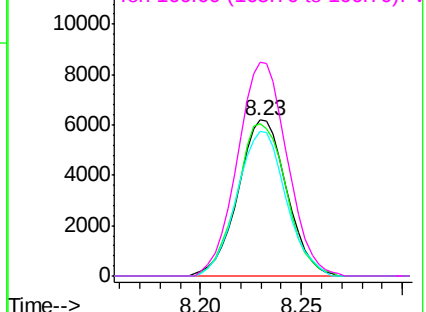
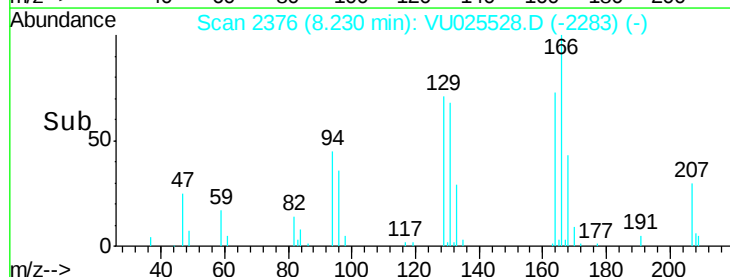
Abundance

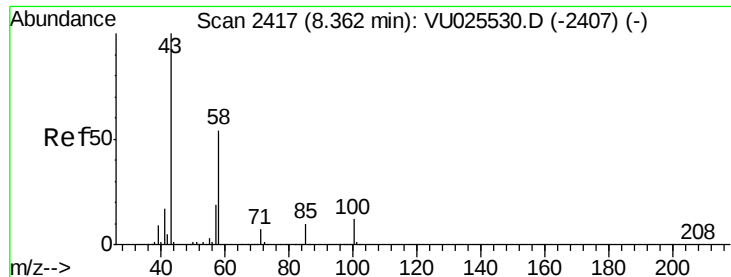
Ion 164.00 (163.70 to 164.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V

Ion 166.00 (165.70 to 166.70): V

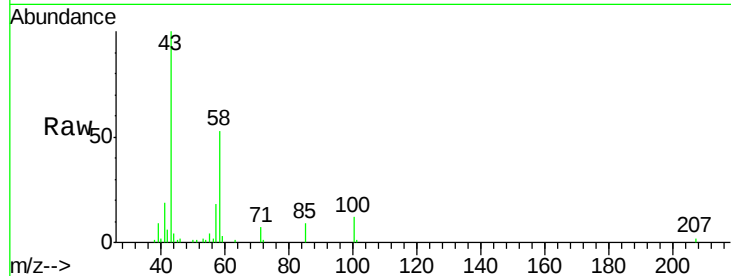




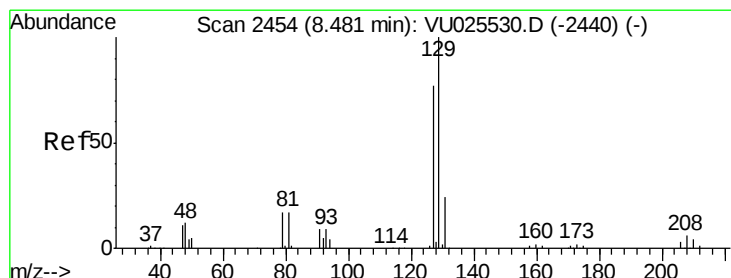
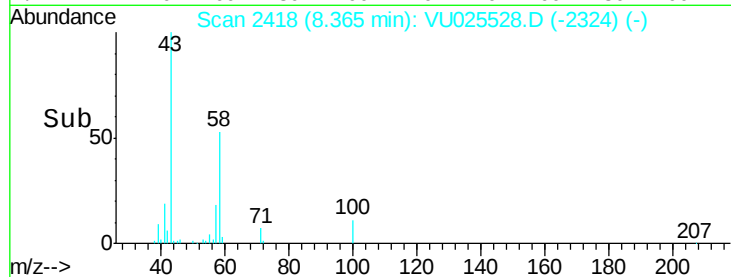
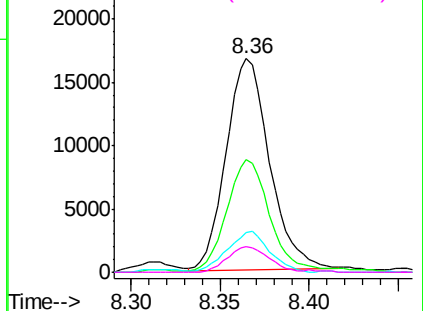
#48
2-Hexanone
Concen: 10.102 ug/L
RT: 8.36 min Scan# 2417
Delta R.T. 0.00 min
Lab File: VU025528.D
Acq: 20 Jul 2018 09:19

Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 43 Resp: 28358
Ion Ratio Lower Upper
43 100
58 50.8 42.9 64.3
57 18.6 15.4 23.2
100 11.3 9.6 14.4

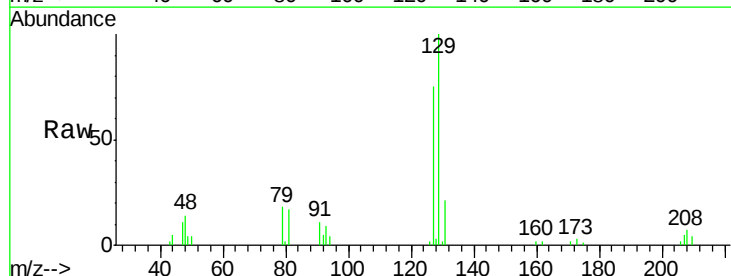


Abundance Ion 43.00 (42.70 to 43.70): VU0
Ion 58.00 (57.70 to 58.70): VU0
Ion 57.00 (56.70 to 57.70): VU0
Ion 100.00 (99.70 to 100.70): VU0

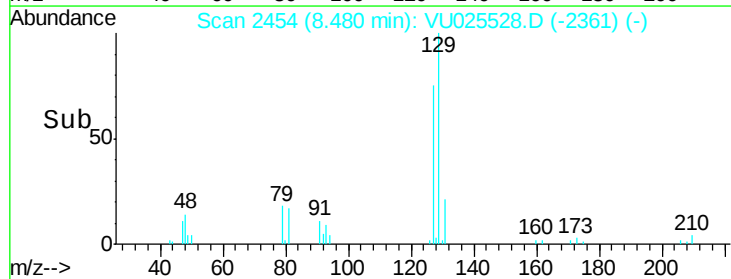
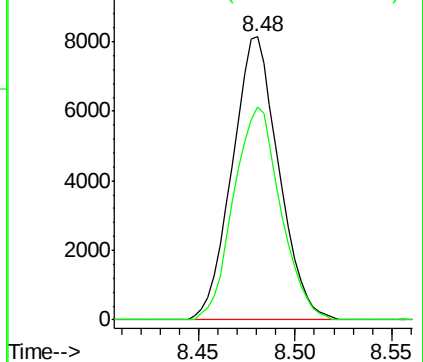


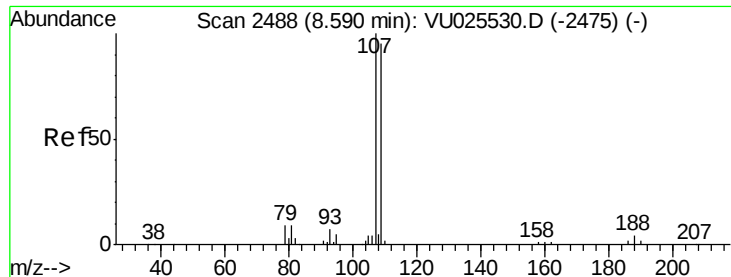
#49
Dibromochloromethane
Concen: 4.879 ug/L
RT: 8.48 min Scan# 2454
Delta R.T. -0.00 min
Lab File: VU025528.D
Acq: 20 Jul 2018 09:19

Tgt Ion: 129 Resp: 13625
Ion Ratio Lower Upper
129 100
127 75.2 53.8 100.0



Abundance Ion 129.00 (128.70 to 129.70): V
Ion 127.00 (126.70 to 127.70): V





#50

1,2-Dibromoethane

Concen: 5.165 ug/L

RT: 8.59 min Scan# 2488

Delta R.T. -0.00 min

Lab File: VU025528.D

Acq: 20 Jul 2018 09:19

Instrument :
MSVOA_U
ClientSampleId :

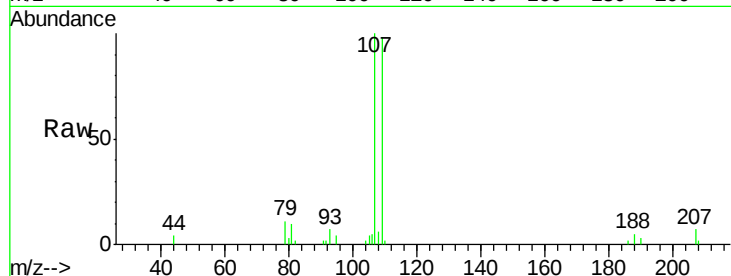
Tot Ion:107 Resp: 13132

Ion Ratio Lower Upper

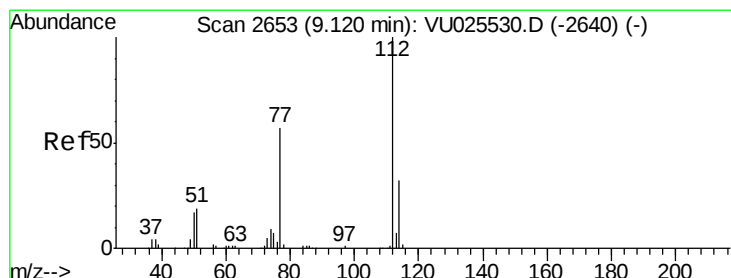
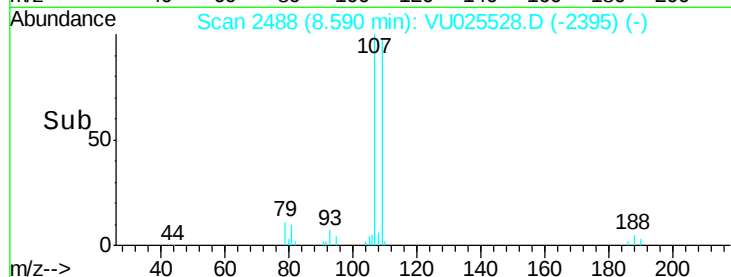
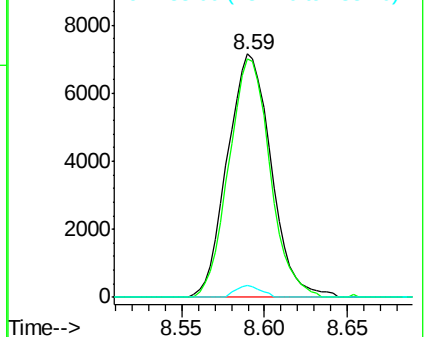
107 100

109 97.9 66.6 123.8

188 4.7 3.2 4.8



Abundance Ion 107.00 (106.70 to 107.70): V
Ion 109.00 (108.70 to 109.70): V
Ion 188.00 (187.70 to 188.70): V



#51

Chlorobenzene

Concen: 5.355 ug/L

RT: 9.12 min Scan# 2654

Delta R.T. 0.00 min

Lab File: VU025528.D

Acq: 20 Jul 2018 09:19

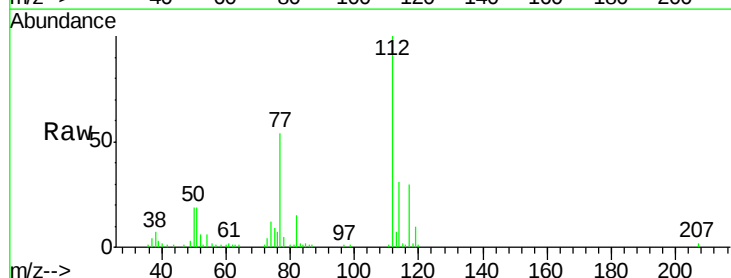
Tgt Ion:112 Resp: 34127

Ion Ratio Lower Upper

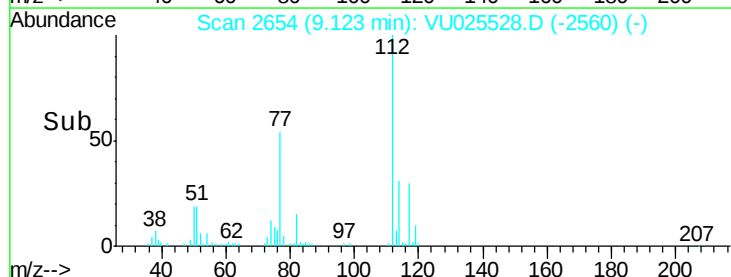
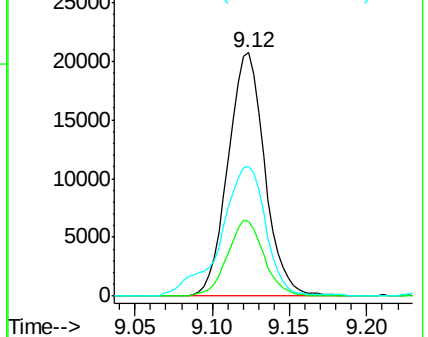
112 100

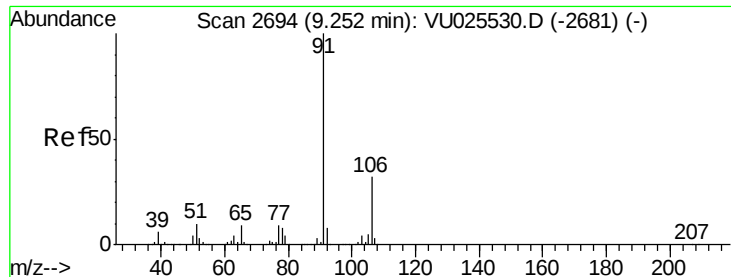
114 30.8 22.5 41.9

77 53.5 45.8 68.8



Abundance Ion 112.00 (111.70 to 112.70): V
Ion 114.00 (113.70 to 114.70): V
Ion 77.00 (76.70 to 77.70): V





#52

Ethylbenzene

Concen: 5.016 ug/L

RT: 9.25 min Scan# 2694

Delta R.T. -0.00 min

Lab File: VU025528.D

Acq: 20 Jul 2018 09:19

Instrument :

MSVOA_U

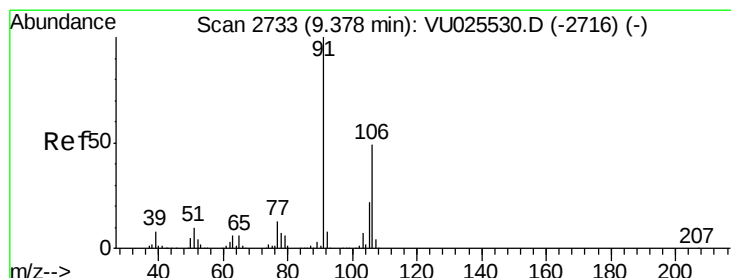
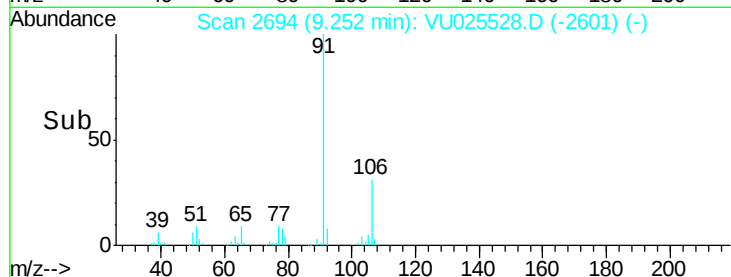
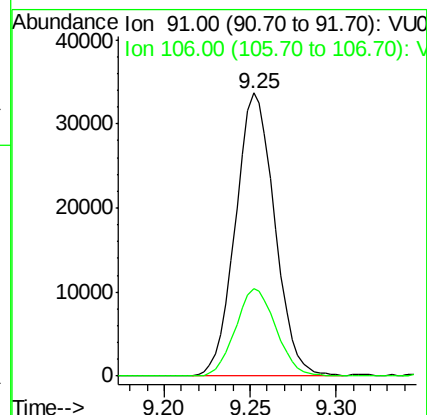
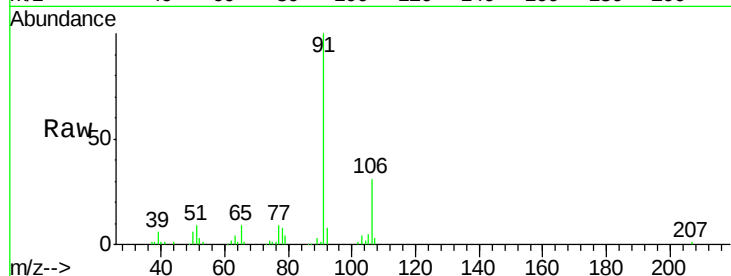
ClientSampleId :

Tot Ion: 91 Resp: 53297

Ion Ratio Lower Upper

91 100

106 30.9 22.3 41.5



#53

m,p-Xylene

Concen: 4.863 ug/L

RT: 9.38 min Scan# 2733

Delta R.T. -0.00 min

Lab File: VU025528.D

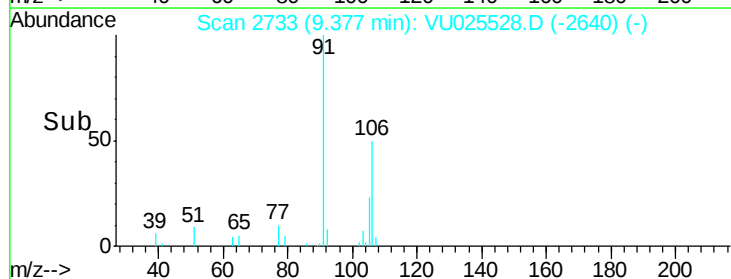
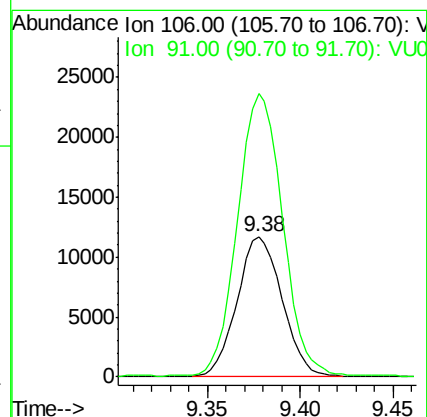
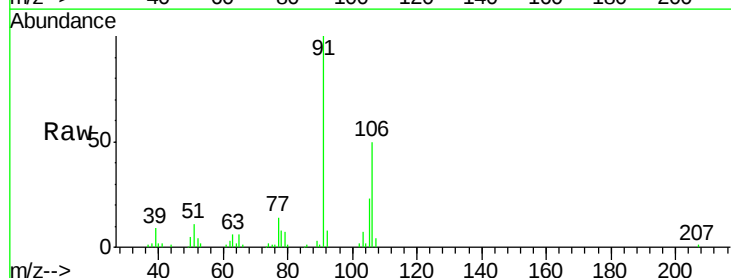
Acq: 20 Jul 2018 09:19

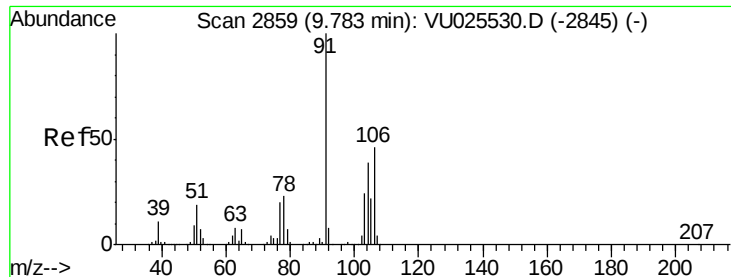
Tgt Ion: 106 Resp: 19862

Ion Ratio Lower Upper

106 100

91 201.8 141.7 263.3

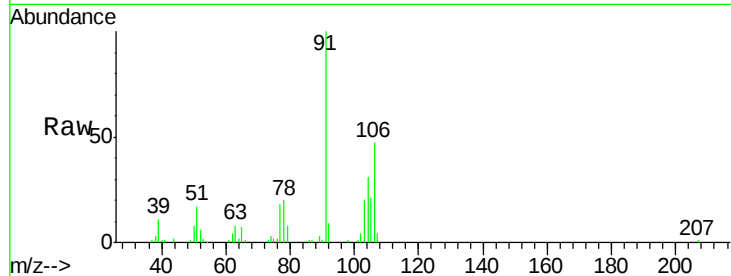




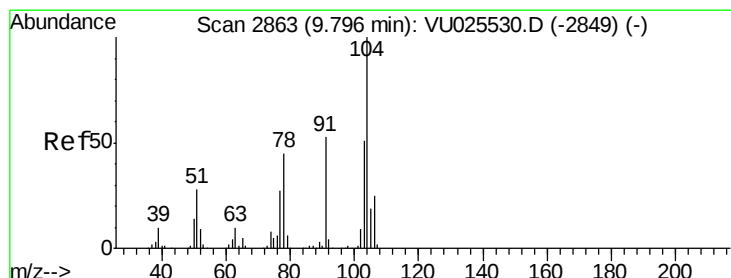
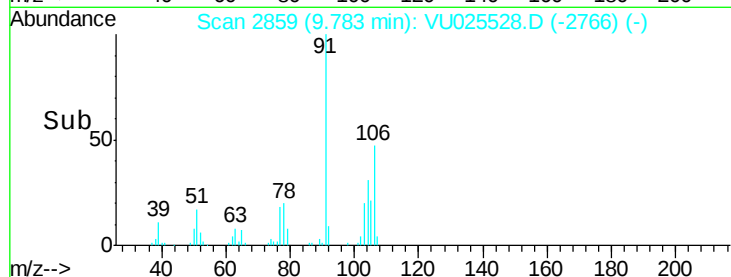
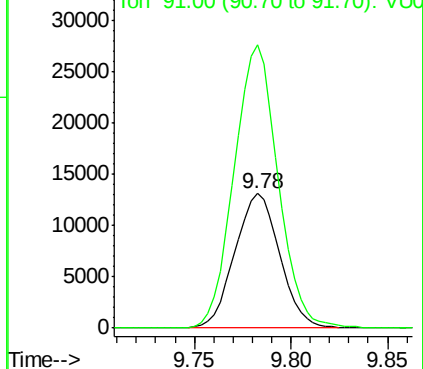
#54
o-xylene
Concen: 5.162 ug/L
RT: 9.78 min Scan# 2859
Delta R.T. -0.00 min
Lab File: VU025528.D
Acq: 20 Jul 2018 09:19

Instrument :
MSVOA_U
ClientSampled :

Tot Ion:106 Resp: 21186
Ion Ratio Lower Upper
106 100
91 210.5 150.6 279.6

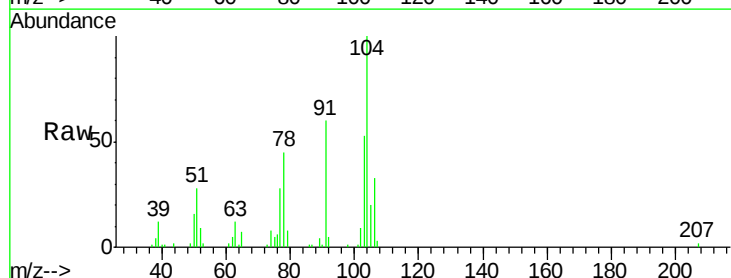


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VU0

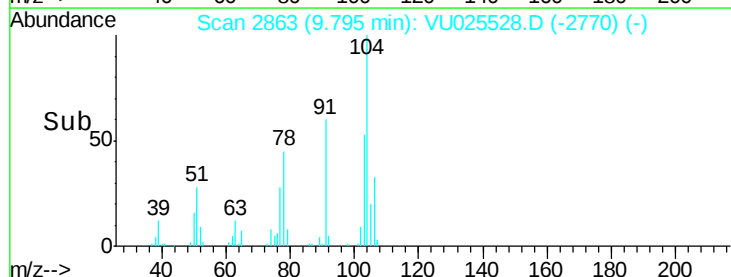
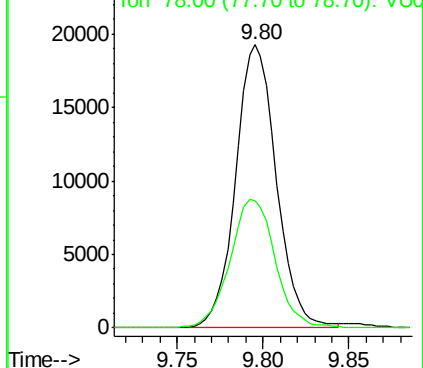


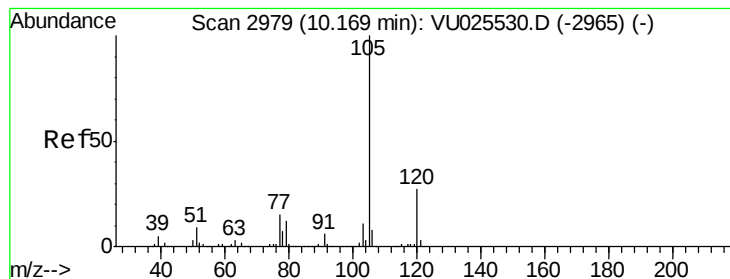
#55
Styrene
Concen: 4.695 ug/L
RT: 9.80 min Scan# 2863
Delta R.T. -0.00 min
Lab File: VU025528.D
Acq: 20 Jul 2018 09:19

Tgt Ion:104 Resp: 31802
Ion Ratio Lower Upper
104 100
78 45.1 31.8 59.0



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VU0





#56

Isopropylbenzene

Concen: 4.861 ug/L

RT: 10.17 min Scan# 2980

Delta R.T. 0.00 min

Lab File: VU025528.D

Acq: 20 Jul 2018 09:19

Instrument :

MSVOA_U

ClientSampleId :

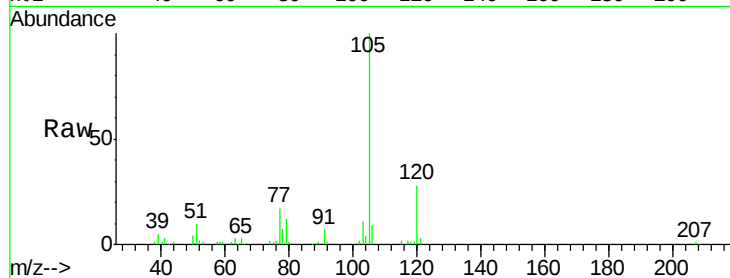
Tot Ion:105 Resp: 51856

Ion Ratio Lower Upper

105 100

120 27.0 21.7 32.5

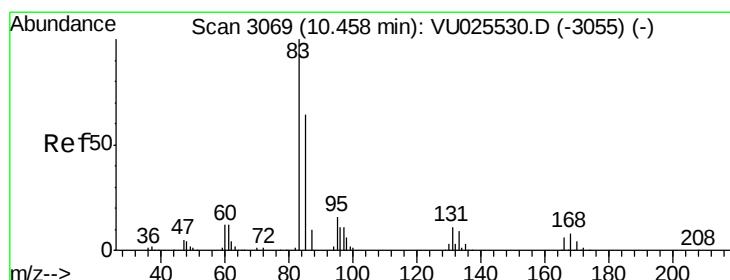
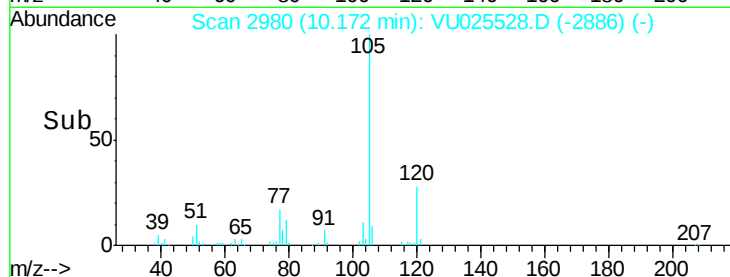
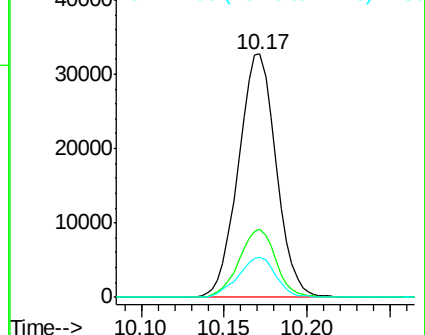
77 16.4 12.4 18.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): V



#58

1,1,2,2-Tetrachloroethane

Concen: 4.884 ug/L

RT: 10.46 min Scan# 3070

Delta R.T. 0.00 min

Lab File: VU025528.D

Acq: 20 Jul 2018 09:19

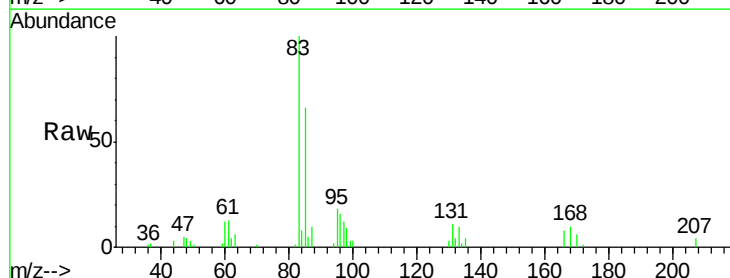
Tgt Ion: 83 Resp: 19333

Ion Ratio Lower Upper

83 100

85 66.3 45.1 83.7

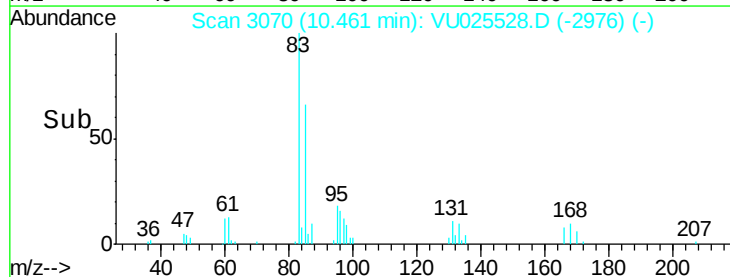
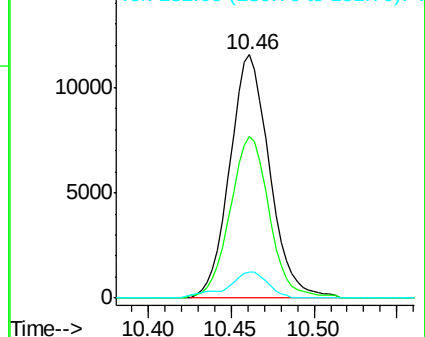
131 10.9 8.7 13.1

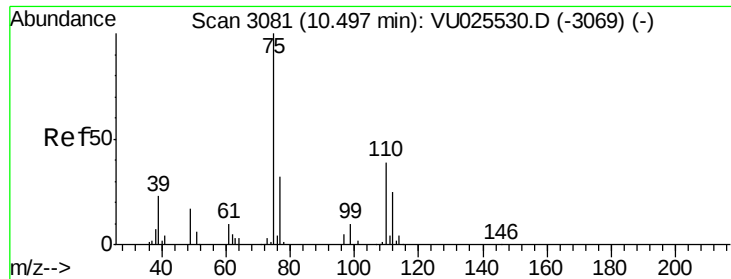


Abundance Ion 83.00 (82.70 to 83.70): V

Ion 85.00 (84.70 to 85.70): V

Ion 131.00 (130.70 to 131.70): V

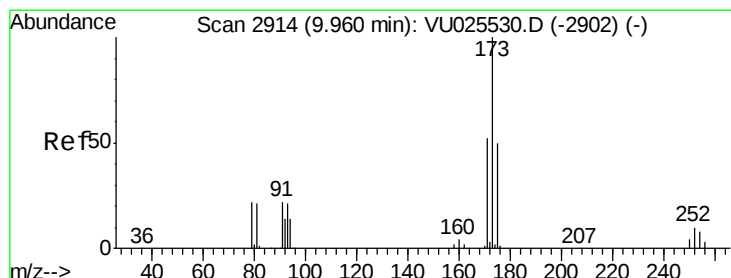
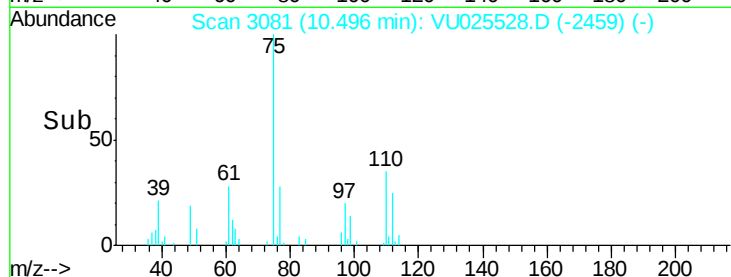
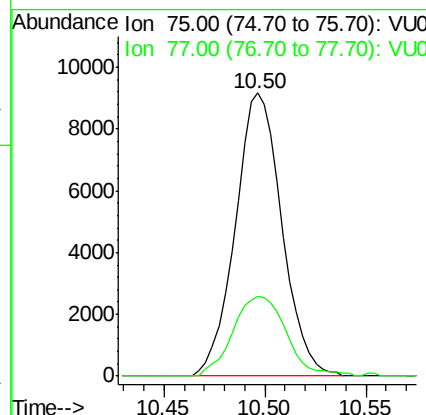
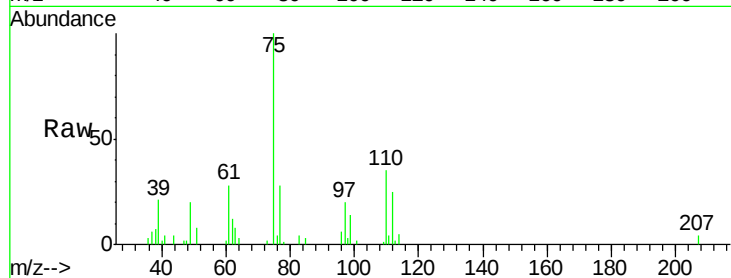




#59
 1,2,3-Trichloropropane
 Concen: 4.648 ug/L
 RT: 10.50 min Scan# 3081
 Delta R.T. -0.00 min
 Lab File: VU025528.D
 Acq: 20 Jul 2018 09:19

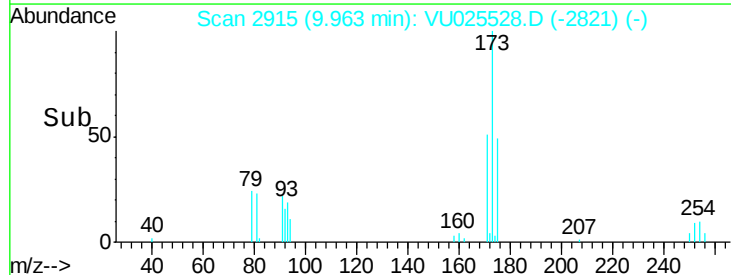
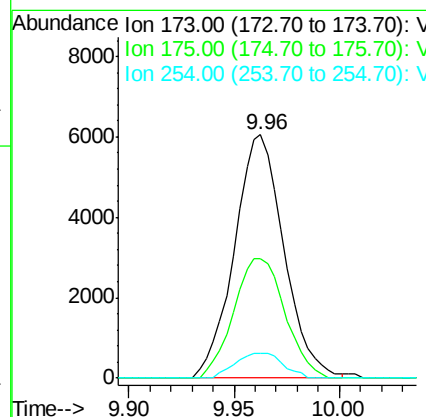
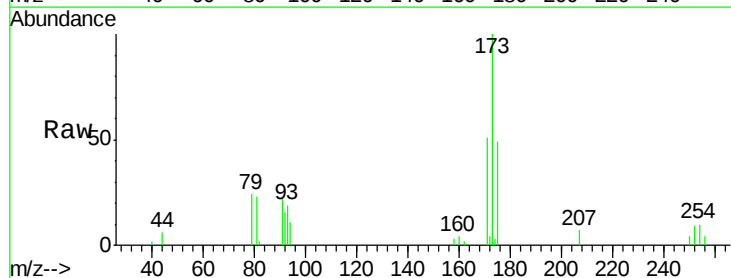
Instrument :
 MSVOA_U
 ClientSampleId :

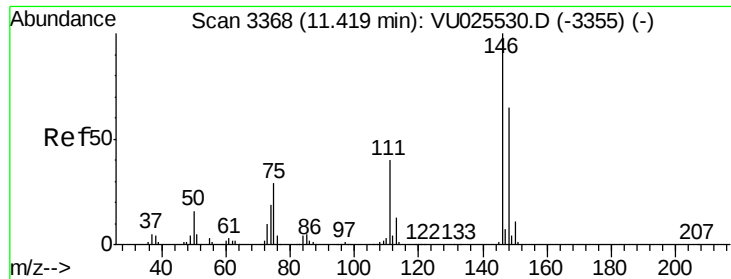
Tot Ion: 75 Resp: 14797
 Ion Ratio Lower Upper
 75 100
 77 32.4 25.8 38.8



#61
 Bromoform
 Concen: 4.969 ug/L
 RT: 9.96 min Scan# 2915
 Delta R.T. 0.00 min
 Lab File: VU025528.D
 Acq: 20 Jul 2018 09:19

Tgt Ion: 173 Resp: 9882
 Ion Ratio Lower Upper
 173 100
 175 50.9 39.8 59.8
 254 9.8 7.3 10.9





#62

1,3-Dichlorobenzene

Concen: 5.141 ug/L

RT: 11.42 min Scan# 3368

Delta R.T. -0.00 min

Lab File: VU025528.D

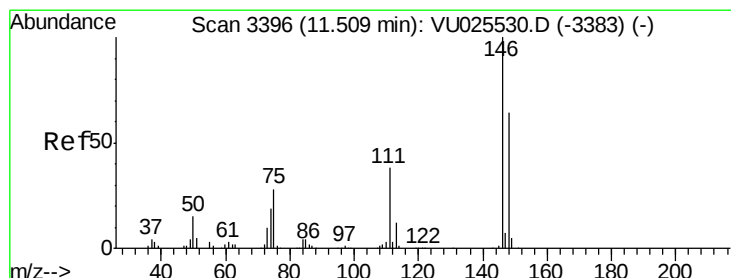
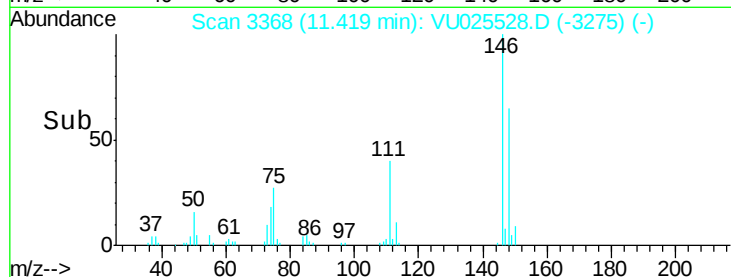
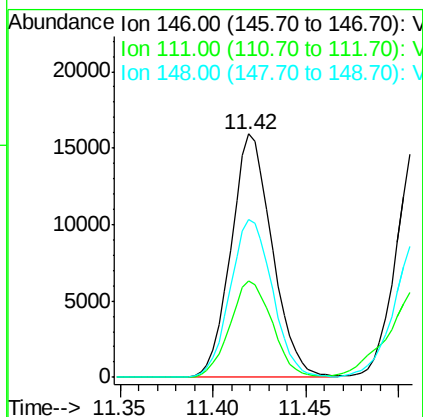
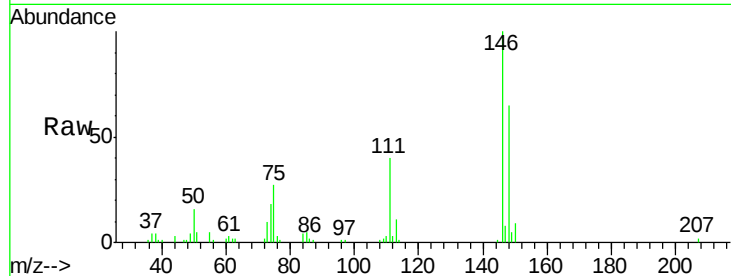
Acq: 20 Jul 2018 09:19

Instrument :

MSVOA_U

ClientSampleId :

Tot Ion:146	Resp:	24642
Ion	Ratio	Lower Upper
146	100	
111	39.8	27.7 51.5
148	64.9	45.5 84.5



#63

1,4-Dichlorobenzene

Concen: 5.305 ug/L

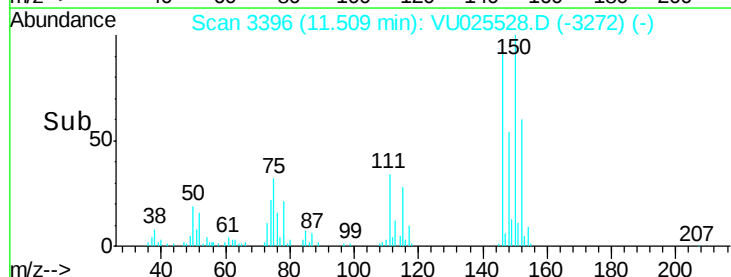
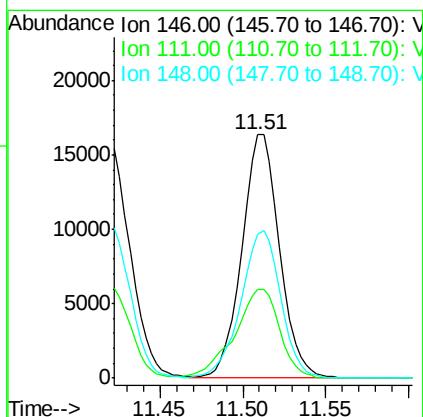
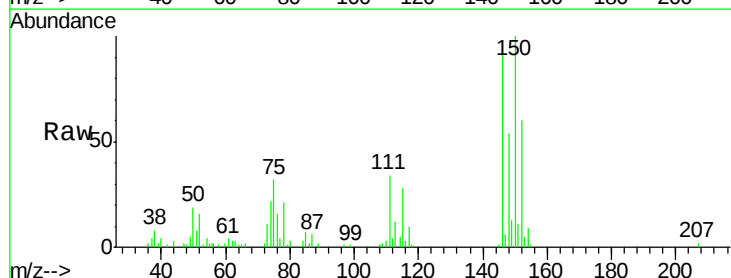
RT: 11.51 min Scan# 3396

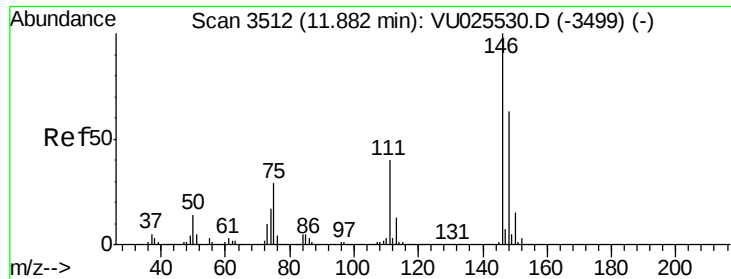
Delta R.T. -0.00 min

Lab File: VU025528.D

Acq: 20 Jul 2018 09:19

Tgt Ion:146	Resp:	25787
Ion	Ratio	Lower Upper
146	100	
111	36.6	26.9 49.9
148	58.9	44.6 82.8

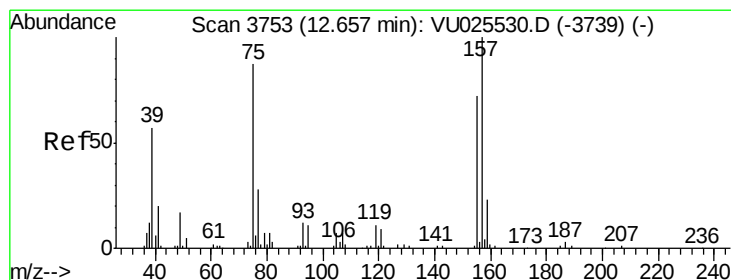
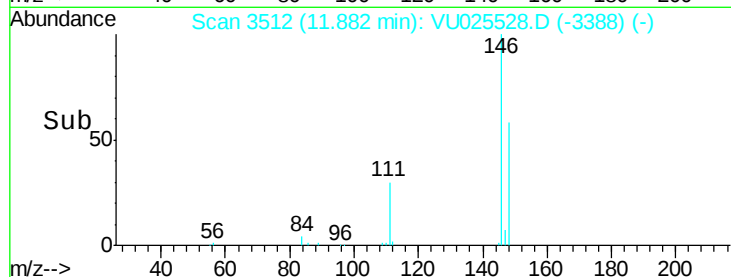
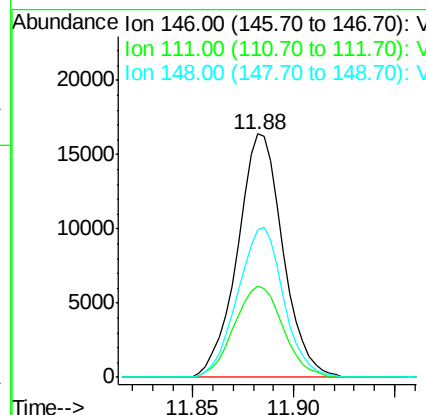
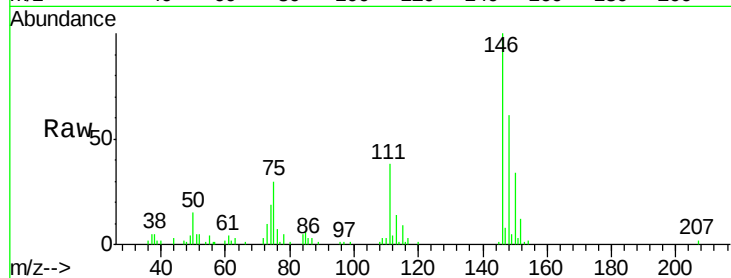




#65
 1,2-Dichlorobenzene
 Concen: 5.126 ug/L
 RT: 11.88 min Scan# 3512
 Delta R.T. -0.00 min
 Lab File: VU025528.D
 Acq: 20 Jul 2018 09:19

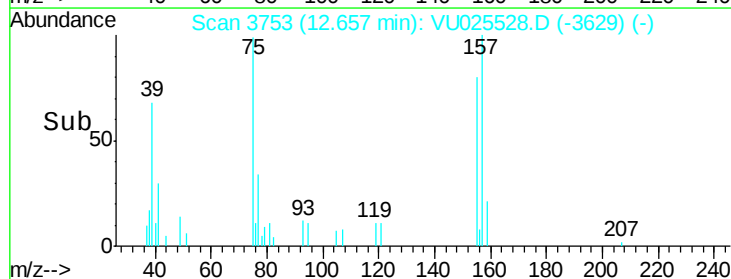
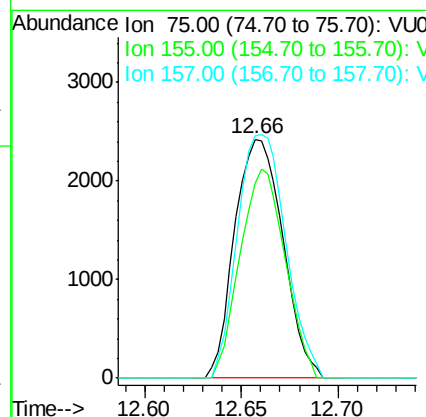
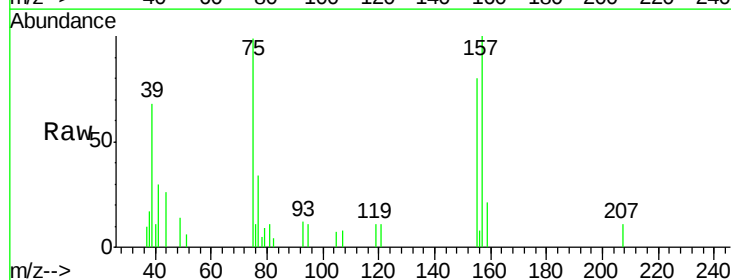
Instrument :
 MSVOA_U
 ClientSampled :

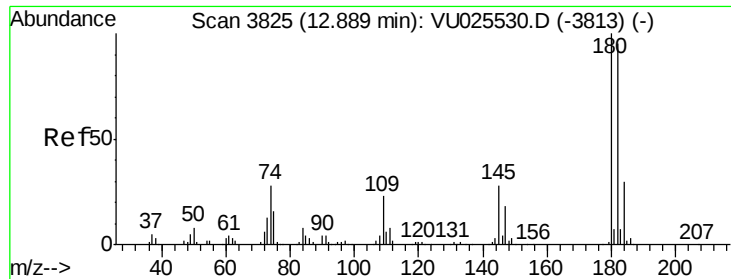
Tot Ion:146 Resp: 25878
 Ion Ratio Lower Upper
 146 100
 111 37.5 32.4 48.6
 148 60.8 50.7 76.1



#66
 1,2-Dibromo-3-chloropropane
 Concen: 4.623 ug/L
 RT: 12.66 min Scan# 3753
 Delta R.T. -0.00 min
 Lab File: VU025528.D
 Acq: 20 Jul 2018 09:19

Tgt Ion: 75 Resp: 4197
 Ion Ratio Lower Upper
 75 100
 155 81.4 66.3 99.5
 157 101.1 91.5 137.3

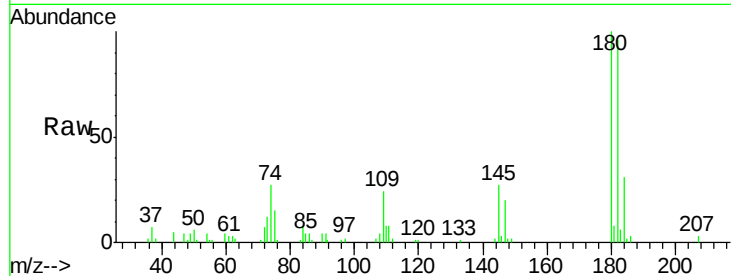




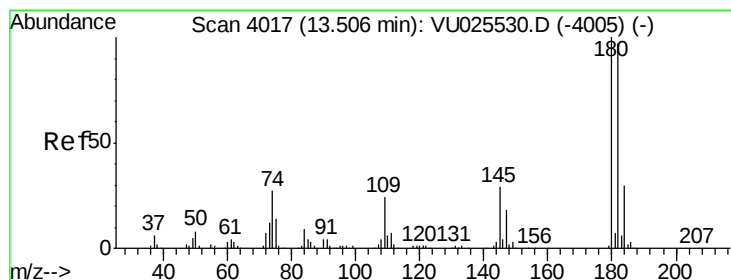
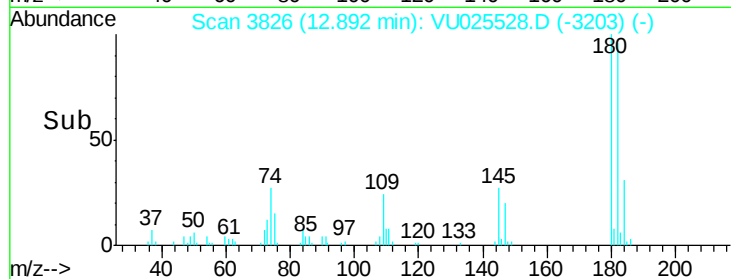
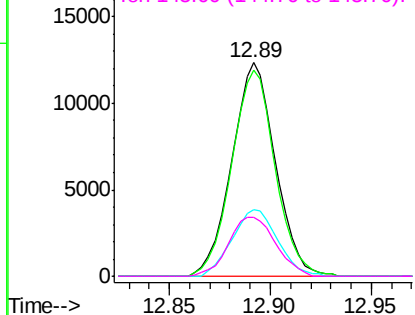
#67
 1,3,5-Trichlorobenzene
 Concen: 5.005 ug/L
 RT: 12.89 min Scan# 3826
 Delta R.T. 0.00 min
 Lab File: VU025528.D
 Acq: 20 Jul 2018 09:19

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion:180 Resp: 18702
 Ion Ratio Lower Upper
 180 100
 182 96.3 77.3 115.9
 184 32.7 24.6 36.8
 145 29.9 23.0 34.6

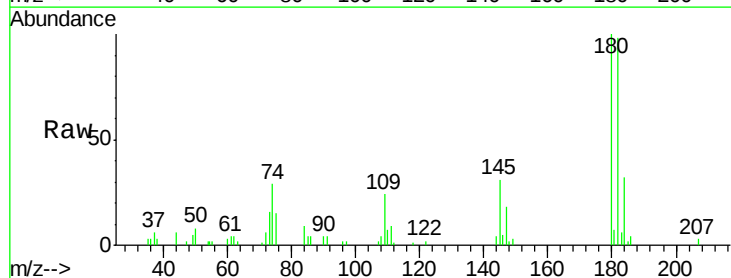


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

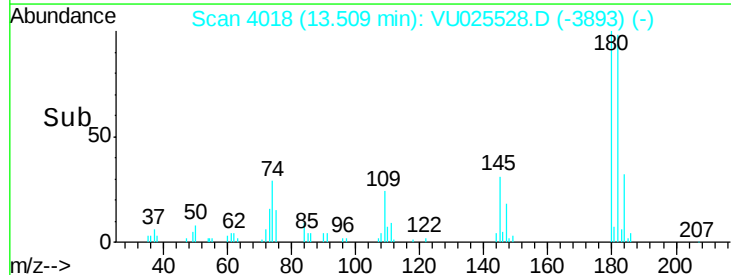
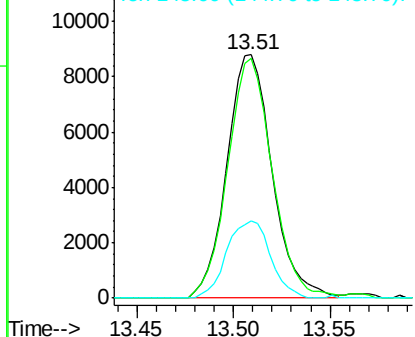


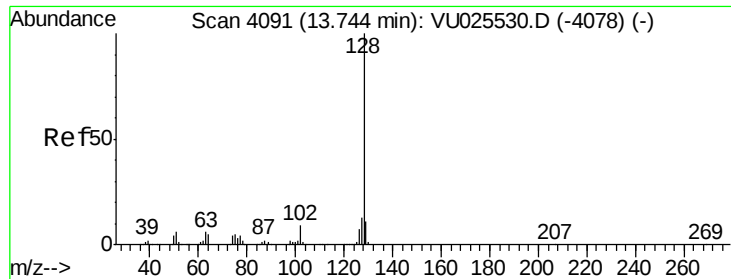
#68
 1,2,4-trichlorobenzene
 Concen: 4.355 ug/L
 RT: 13.51 min Scan# 4018
 Delta R.T. 0.00 min
 Lab File: VU025528.D
 Acq: 20 Jul 2018 09:19

Tgt Ion:180 Resp: 14349
 Ion Ratio Lower Upper
 180 100
 182 97.0 78.1 117.1
 145 30.6 23.4 35.2



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





#69

Naphthalene

Concen: 3.547 ug/L

RT: 13.75 min Scan# 4092

Delta R.T. 0.00 min

Lab File: VU025528.D

Acq: 20 Jul 2018 09:19

Instrument :

MSVOA_U

ClientSampleId :

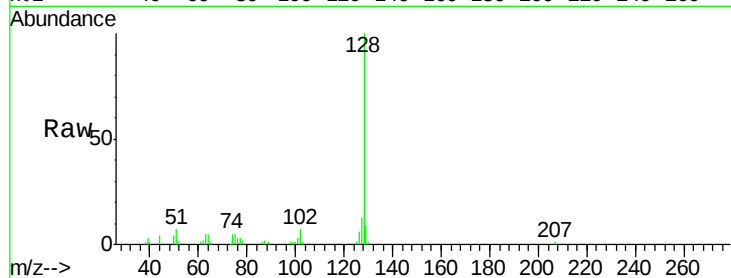
Tot Ion:128 Resp: 38984

Ion Ratio Lower Upper

128 100

127 13.0 10.2 15.4

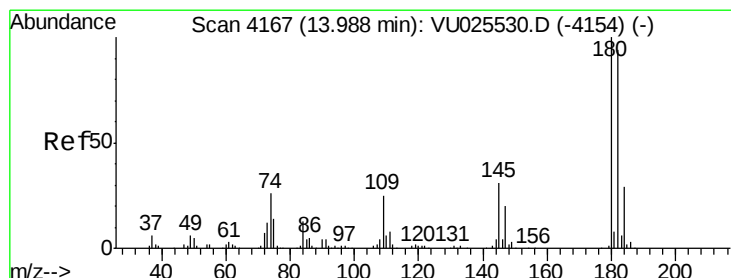
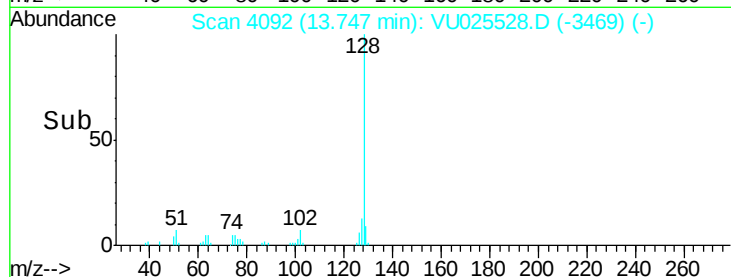
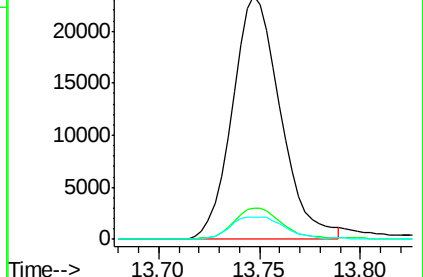
129 10.3 8.4 12.6



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#70

1,2,3-Trichlorobenzene

Concen: 4.441 ug/L

RT: 13.99 min Scan# 4168

Delta R.T. 0.00 min

Lab File: VU025528.D

Acq: 20 Jul 2018 09:19

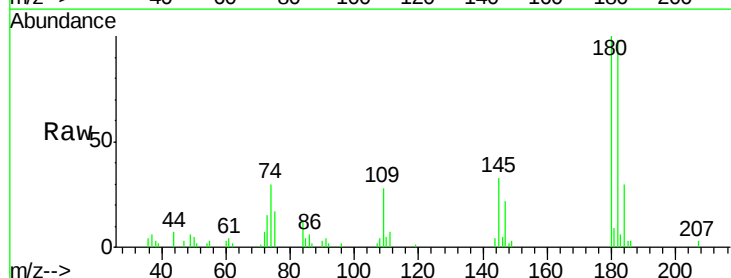
Tgt Ion:180 Resp: 15581

Ion Ratio Lower Upper

180 100

182 93.9 76.6 114.8

145 29.9 25.4 38.2



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

