

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU072018\
 Data File : VU025570.D
 Acq On : 21 Jul 2018 02:14
 Operator : MD/SY
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 44 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Jul 21 02:56:33 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM072018WMA.M
 Quant Title : VOC Analysis
 QLast Update : Sat Jul 21 02:53:20 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.89	114	335313	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	311525	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.49	152	161406	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	89496	46.75	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	93.50%
7) Chloroethane-d5	1.68	69	74321	47.07	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	94.14%
11) 1,1-Dichloroethene-d2	2.28	63	197037	49.44	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	98.88%
21) 2-Butanone-d5	4.18	46	147178	99.59	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	99.59%
24) Chloroform-d	4.65	84	206312	48.38	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	96.76%
26) 1,2-Dichloroethane-d4	5.31	65	137972	48.93	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	97.86%
32) Benzene-d6	5.35	84	397363	49.73	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	99.46%
36) 1,2-Dichloropropane-d6	6.34	67	125081	48.59	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	97.18%
41) Toluene-d8	7.57	98	382854	49.97	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	99.94%
43) trans-1,3-Dichloropropene-	7.85	79	61333	46.64	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	93.28%
47) 2-Hexanone-d5	8.31	63	112347	104.22	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	104.22%
57) 1,1,2,2-Tetrachloroethane-	10.44	84	175195	48.66	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	97.32%
64) 1,2-Dichlorobenzene-d4	11.86	152	161473	49.36	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	98.72%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.21	85	155281	47.000	ug/L 99
3) Chloromethane	1.33	50	120567	50.532	ug/L 99
5) Vinyl chloride	1.41	62	127967	48.900	ug/L 100
6) Bromomethane	1.63	94	52626	57.827	ug/L 97
8) Chloroethane	1.70	64	74593	48.408	ug/L 99
9) Trichlorofluoromethane	1.89	101	179719	48.226	ug/L 99
10) 1,1,2-Trichloro-1,2,2-trif	2.29	101	104592	50.119	ug/L 99
12) 1,1-Dichloroethene	2.29	96	94288	49.826	ug/L 98
13) Acetone	2.32	43	127485	73.494	ug/L 100
14) Carbon disulfide	2.48	76	292427	47.458	ug/L 100
15) Methyl Acetate	2.62	43	117849	49.147	ug/L 100
16) Methylene chloride	2.71	84	121490	51.538	ug/L 98
17) trans-1,2-Dichloroethene	2.99	96	104754	48.079	ug/L 99
18) Methyl tert-butyl Ether	3.00	73	351198	49.494	ug/L 100
19) 1,1-Dichloroethane	3.45	63	203486	49.097	ug/L 98
20) cis-1,2-Dichloroethene	4.23	96	122399	49.769	ug/L 100
22) 2-Butanone	4.26	43	168635	87.327	ug/L 100

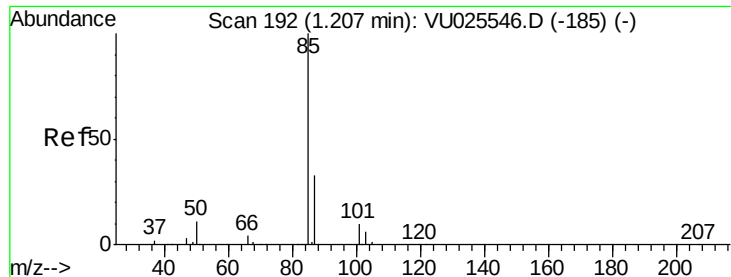
Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU072018\
 Data File : VU025570.D
 Acq On : 21 Jul 2018 02:14
 Operator : MD/SY
 Sample : VSTDCCC050EC
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Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Jul 21 02:56:33 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM072018WMA.M
 Quant Title : VOC Analysis
 QLast Update : Sat Jul 21 02:53:20 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.55	128	65337	50.334	ug/L	97
25) Chloroform	4.68	83	217089	49.777	ug/L	99
27) 1,2-Dichloroethane	5.41	62	173921	48.892	ug/L	98
29) Cyclohexane	5.00	56	178472	49.450	ug/L	98
30) 1,1,1-Trichloroethane	4.92	97	194405	49.870	ug/L	99
31) Carbon tetrachloride	5.14	117	173985	48.268	ug/L	98
33) Benzene	5.39	78	442611	49.448	ug/L	100
34) Trichloroethene	6.19	95	119499	50.315	ug/L	99
35) Methylcyclohexane	6.42	83	184898	48.283	ug/L	99
37) 1,2-Dichloropropane	6.44	63	121811	49.800	ug/L	100
38) Bromodichloromethane	6.76	83	160225	49.682	ug/L	98
39) cis-1,3-Dichloropropene	7.27	75	182443	48.062	ug/L	98
40) 4-Methyl-2-pentanone	7.46	43	321687	100.147	ug/L	100
42) Toluene	7.64	91	486077	50.355	ug/L	100
44) trans-1,3-Dichloropropene	7.88	75	170707	47.696	ug/L	99
45) 1,1,2-Trichloroethane	8.07	97	115975	49.431	ug/L	98
46) Tetrachloroethene	8.23	164	100191	48.661	ug/L	99
48) 2-Hexanone	8.36	43	253065	93.236	ug/L	99
49) Dibromochloromethane	8.48	129	138900	50.468	ug/L	99
50) 1,2-Dibromoethane	8.59	107	124476	49.245	ug/L	98
51) Chlorobenzene	9.12	112	319370	49.144	ug/L	99
52) Ethylbenzene	9.25	91	537372	50.438	ug/L	100
53) m,p-Xylene	9.38	106	208037	50.978	ug/L	97
54) o-xylene	9.78	106	202854	48.988	ug/L	98
55) Styrene	9.80	104	344654	51.103	ug/L	99
56) Isopropylbenzene	10.17	105	538411	50.382	ug/L	100
58) 1,1,1,2,2-Tetrachloroethane	10.46	83	179919	47.541	ug/L	99
59) 1,2,3-Trichloropropane	10.50	75	142157	49.480	ug/L	99
61) Bromoform	9.96	173	102310	49.004	ug/L	97
62) 1,3-Dichlorobenzene	11.42	146	250488	49.062	ug/L	98
63) 1,4-Dichlorobenzene	11.51	146	255741	49.071	ug/L	99
65) 1,2-Dichlorobenzene	11.88	146	263858	49.330	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.66	75	40143	47.721	ug/L	96
67) 1,3,5-Trichlorobenzene	12.89	180	190191	48.260	ug/L	100
68) 1,2,4-trichlorobenzene	13.51	180	163804	49.455	ug/L	98
69) Naphthalene	13.74	128	506052	50.806	ug/L	100
70) 1,2,3-Trichlorobenzene	13.99	180	175477	50.118	ug/L	99

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



#2

Dichlorodifluoromethane

Concen: 47.000 ug/L

RT: 1.21 min Scan# 192

Delta R.T. 0.00 min

Lab File: VU025570.D

Acq: 21 Jul 2018 02:14

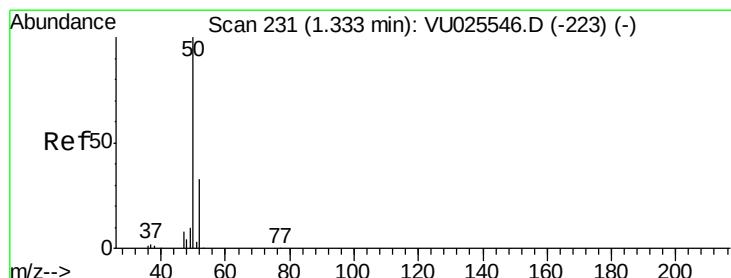
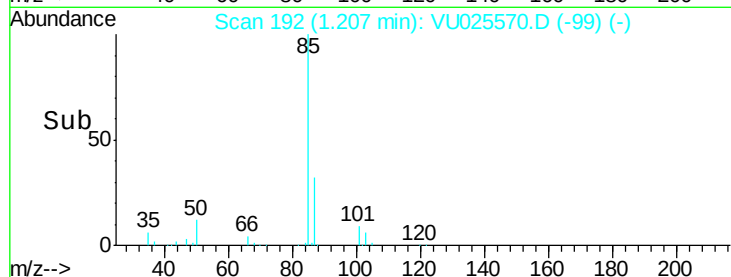
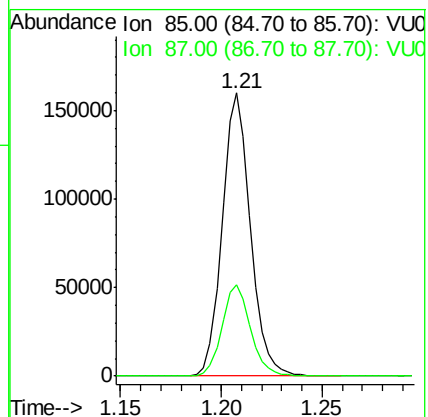
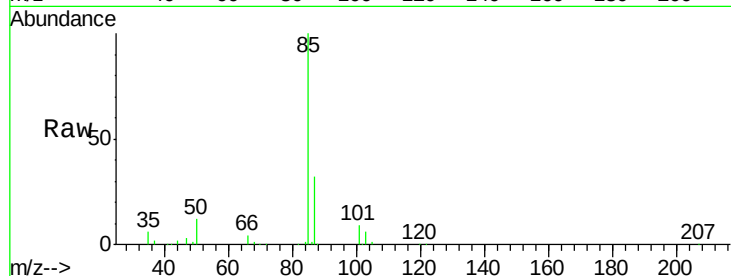
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 85 Resp: 155281

Ion Ratio Lower Upper

85 100

87 32.5 25.6 38.4



#3

Chloromethane

Concen: 50.532 ug/L

RT: 1.33 min Scan# 231

Delta R.T. 0.00 min

Lab File: VU025570.D

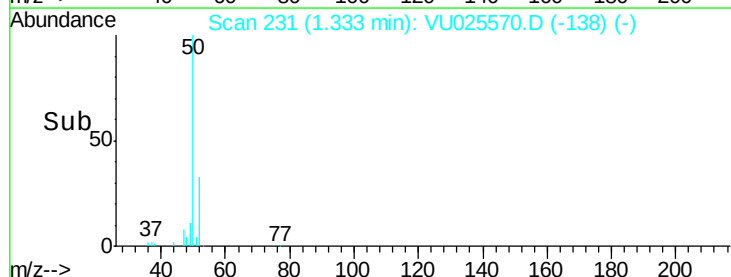
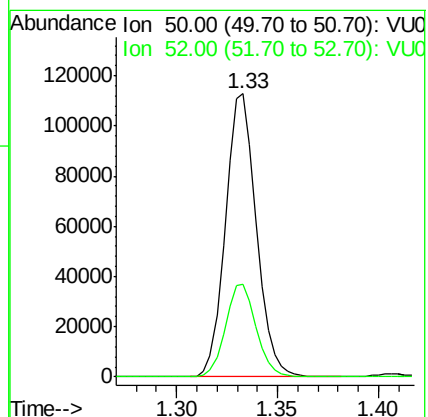
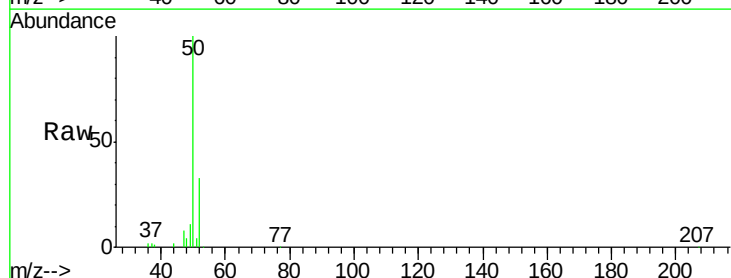
Acq: 21 Jul 2018 02:14

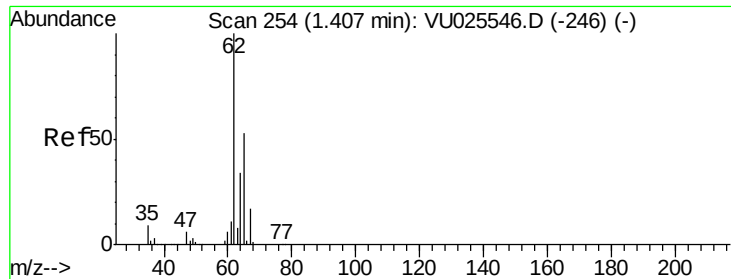
Tgt Ion: 50 Resp: 120567

Ion Ratio Lower Upper

50 100

52 32.8 23.2 43.2





#5

Vinyl chloride

Concen: 48.900 ug/L

RT: 1.41 min Scan# 254

Delta R.T. 0.00 min

Lab File: VU025570.D

Acq: 21 Jul 2018 02:14

Instrument :

MSVOA_U

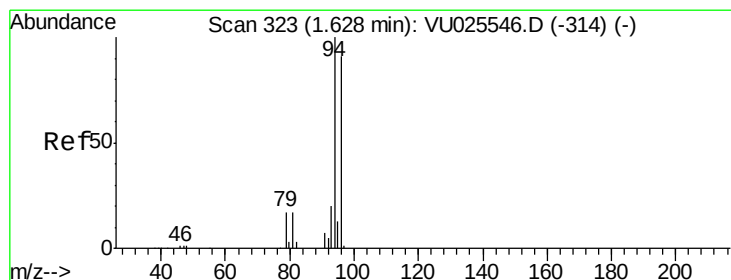
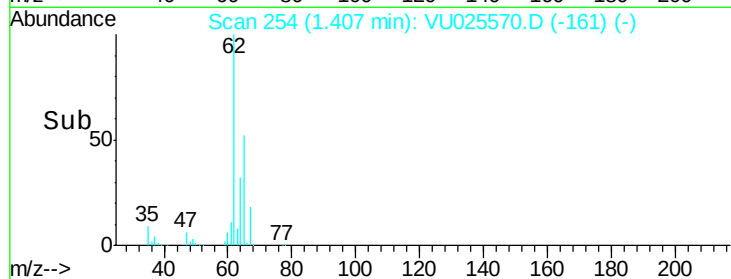
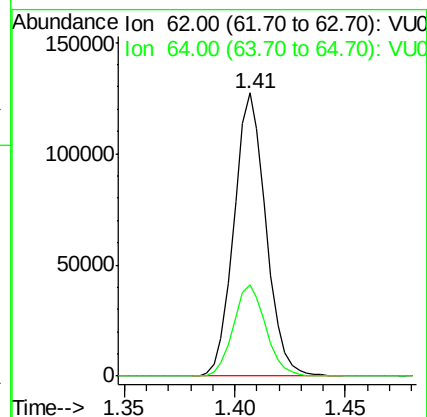
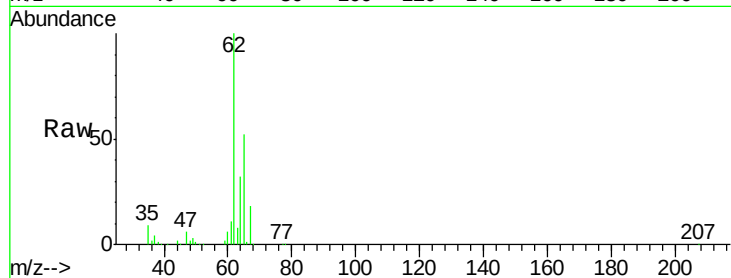
ClientSampled :

Tot Ion: 62 Resp: 127967

Ion Ratio Lower Upper

62 100

64 32.2 22.7 42.1



#6

Bromomethane

Concen: 57.827 ug/L

RT: 1.63 min Scan# 323

Delta R.T. 0.00 min

Lab File: VU025570.D

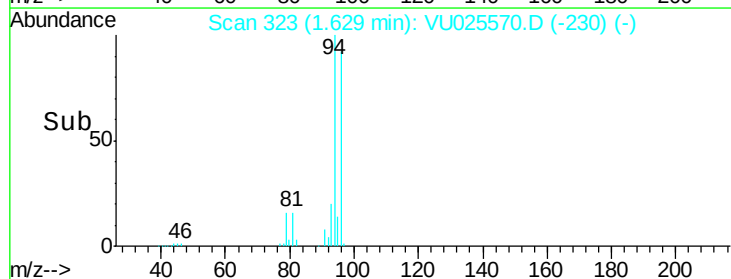
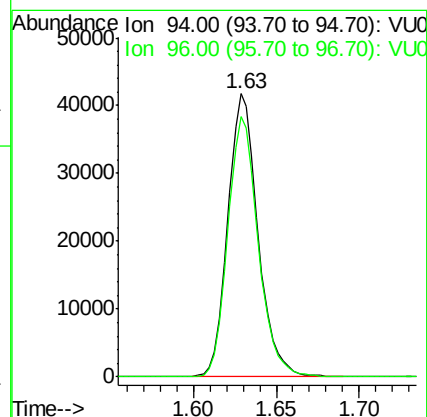
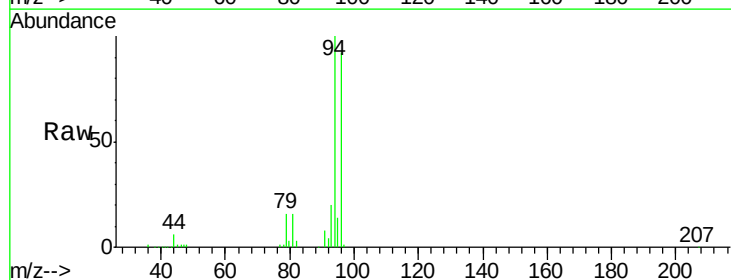
Acq: 21 Jul 2018 02:14

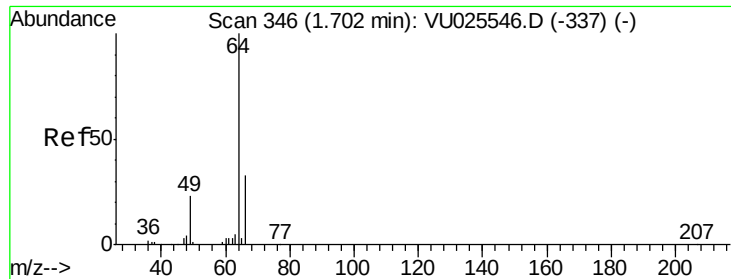
Tgt Ion: 94 Resp: 52626

Ion Ratio Lower Upper

94 100

96 91.8 62.4 115.8

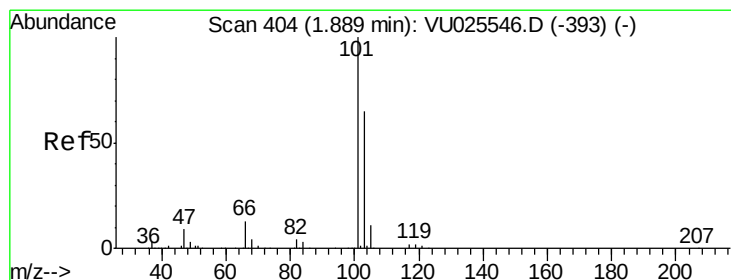
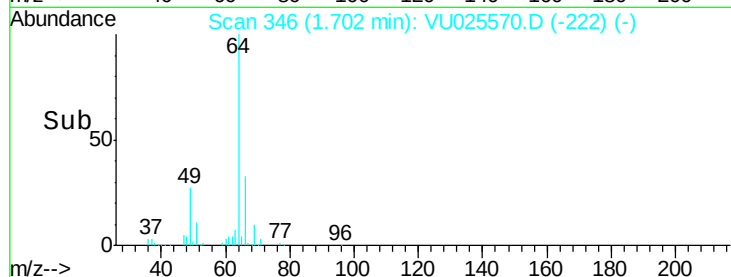
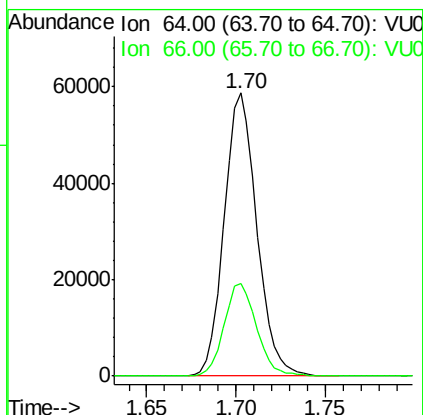
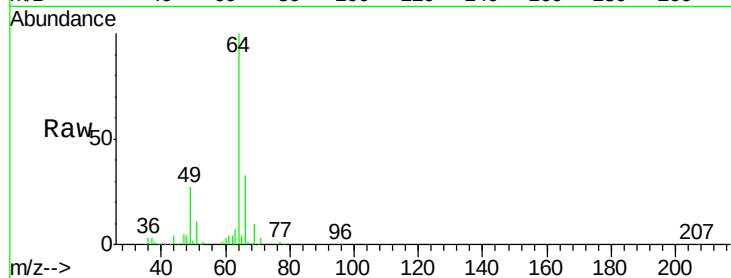




#8
Chloroethane
Concen: 48.408 ug/L
RT: 1.70 min Scan# 346
Delta R.T. 0.00 min
Lab File: VU025570.D
Acq: 21 Jul 2018 02:14

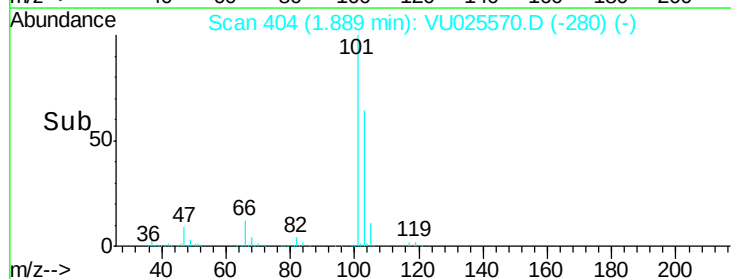
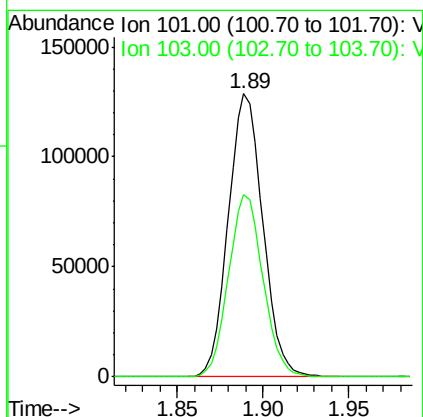
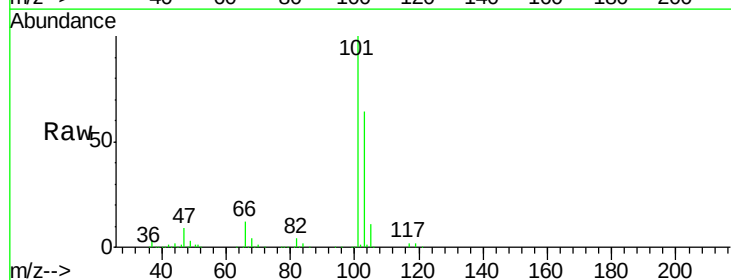
Instrument :
MSVOA_U
ClientSampleId :

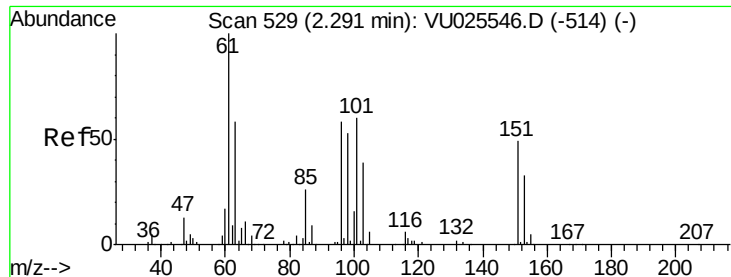
Tot Ion: 64 Resp: 74593
Ion Ratio Lower Upper
64 100
66 32.9 23.5 43.7



#9
Trichlorofluoromethane
Concen: 48.226 ug/L
RT: 1.89 min Scan# 404
Delta R.T. 0.00 min
Lab File: VU025570.D
Acq: 21 Jul 2018 02:14

Tgt Ion:101 Resp: 179719
Ion Ratio Lower Upper
101 100
103 64.1 52.0 78.0





#10

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

Concen: 50.119 ug/L

RT: 2.29 min Scan# 529

Delta R.T. 0.00 min

Lab File: VU025570.D

Acq: 21 Jul 2018 02:14

Instrument :

MSVOA_U

ClientSampled :

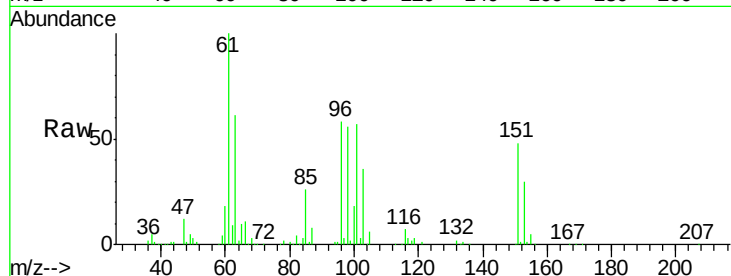
Tot Ion:101 Resp: 104592

Ion Ratio Lower Upper

101 100

85 44.3 35.5 53.3

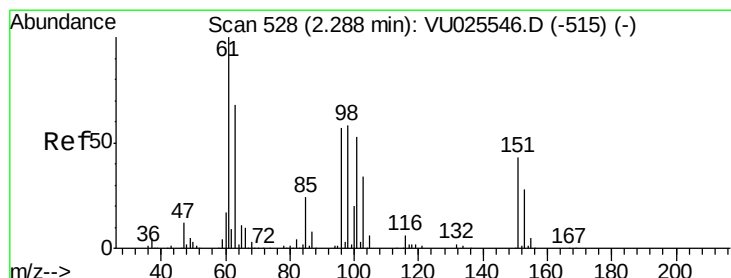
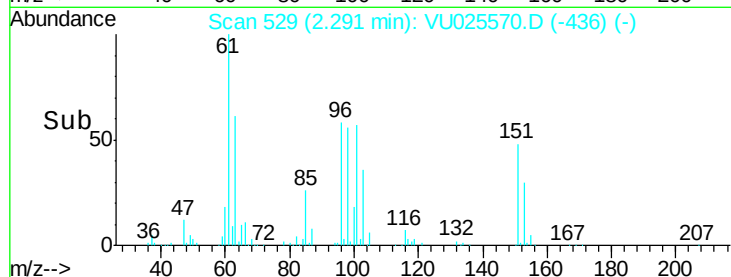
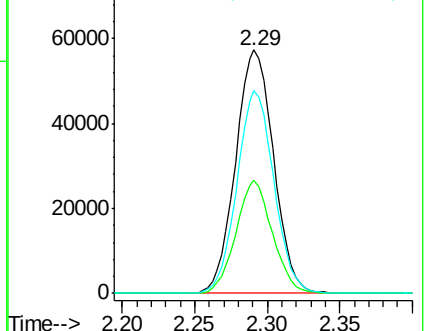
151 80.9 63.5 95.3



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: 49.826 ug/L

RT: 2.29 min Scan# 528

Delta R.T. 0.00 min

Lab File: VU025570.D

Acq: 21 Jul 2018 02:14

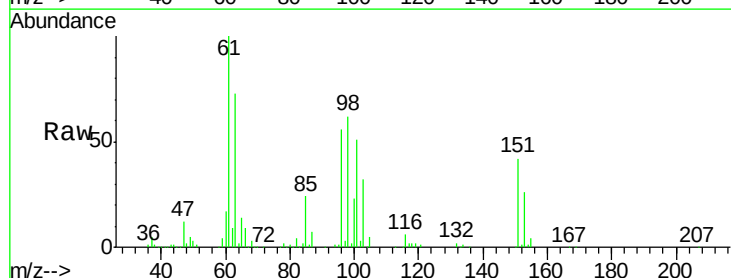
Tgt Ion: 96 Resp: 94288

Ion Ratio Lower Upper

96 100

61 178.6 122.5 227.5

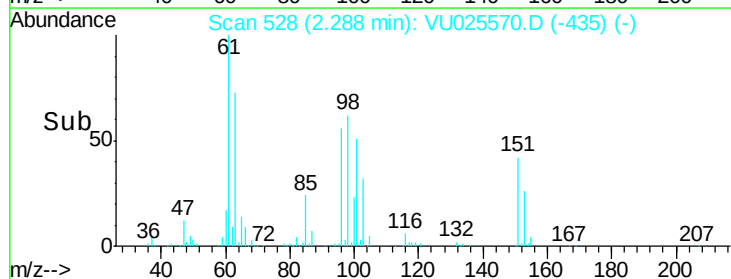
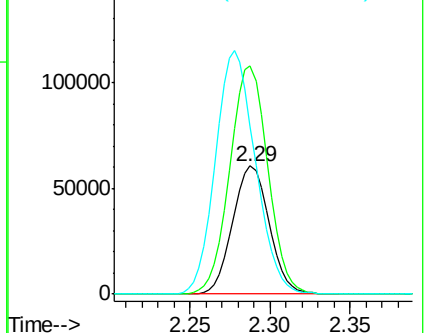
63 131.2 90.9 168.9

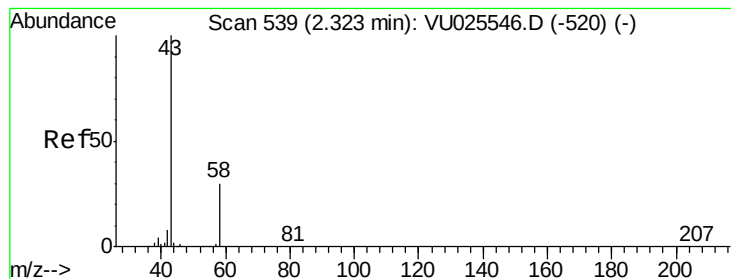


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 73.494 ug/L

RT: 2.32 min Scan# 538

Delta R.T. -0.00 min

Lab File: VU025570.D

Acq: 21 Jul 2018 02:14

Instrument :

MSVOA_U

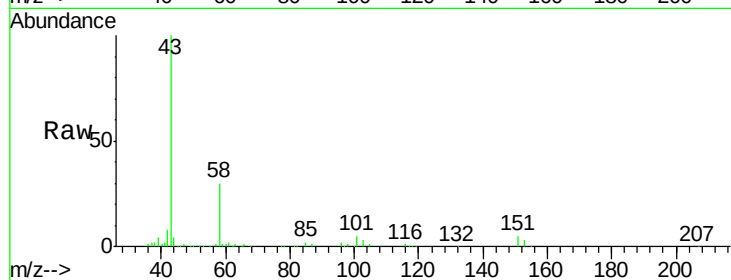
ClientSampleId :

Tot Ion: 43 Resp: 127485

Ion Ratio Lower Upper

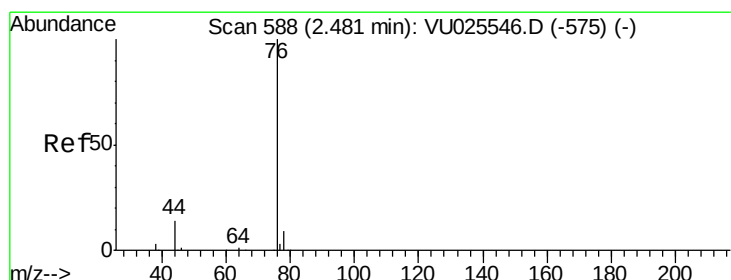
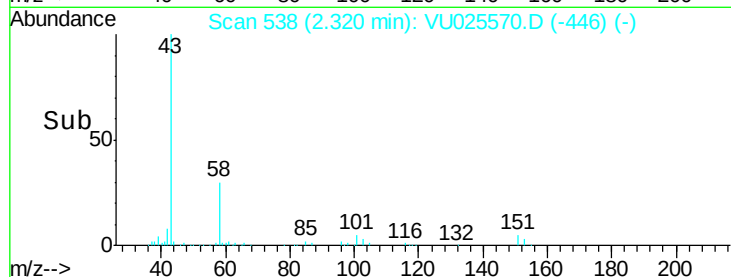
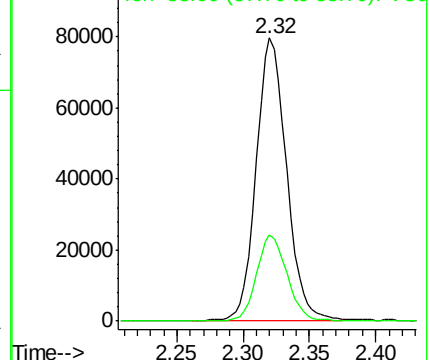
43 100

58 30.3 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: 47.458 ug/L

RT: 2.48 min Scan# 588

Delta R.T. 0.00 min

Lab File: VU025570.D

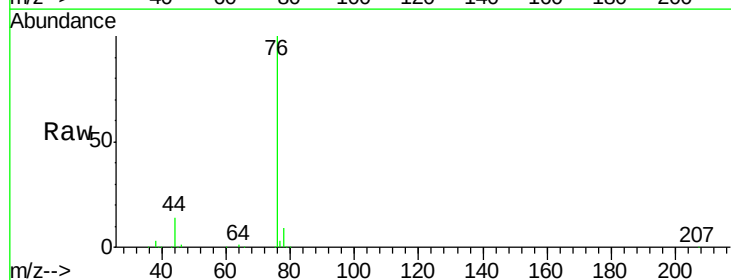
Acq: 21 Jul 2018 02:14

Tgt Ion: 76 Resp: 292427

Ion Ratio Lower Upper

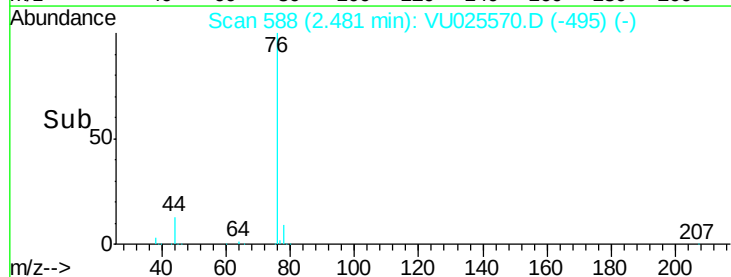
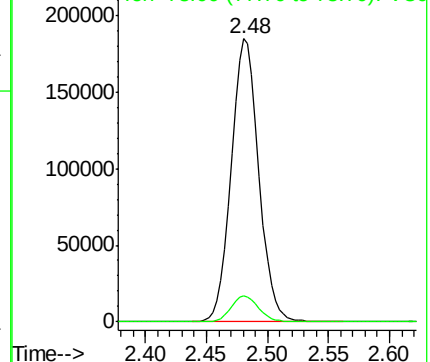
76 100

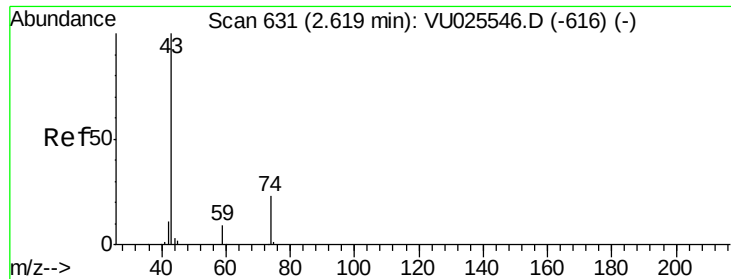
78 9.1 7.4 11.0



Abundance Ion 76.00 (75.70 to 76.70): VU0

Ion 78.00 (77.70 to 78.70): VU0

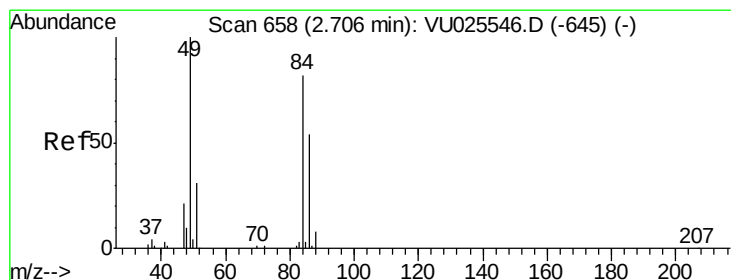
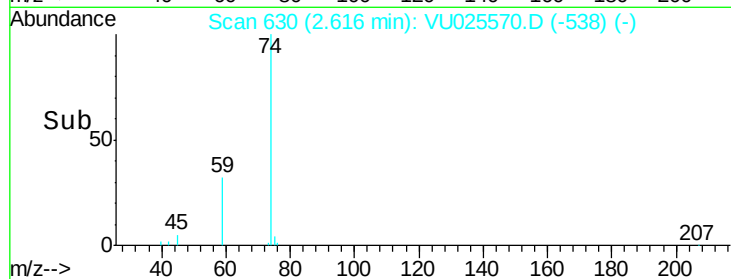
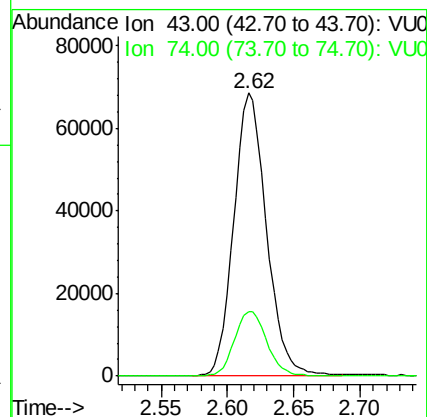
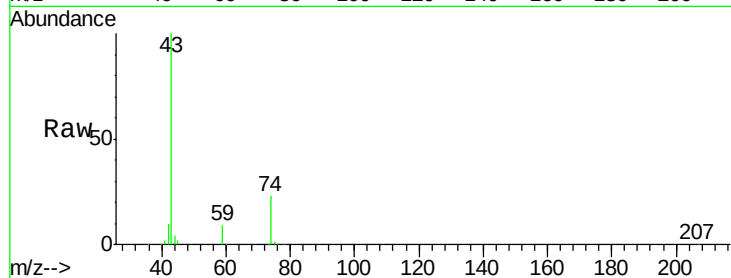




#15
Methyl Acetate
Concen: 49.147 ug/L
RT: 2.62 min Scan# 630
Delta R.T. -0.00 min
Lab File: VU025570.D
Acq: 21 Jul 2018 02:14

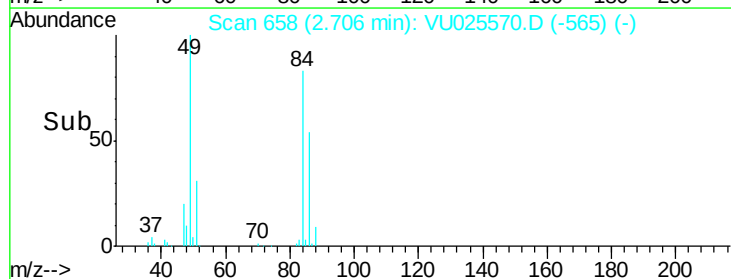
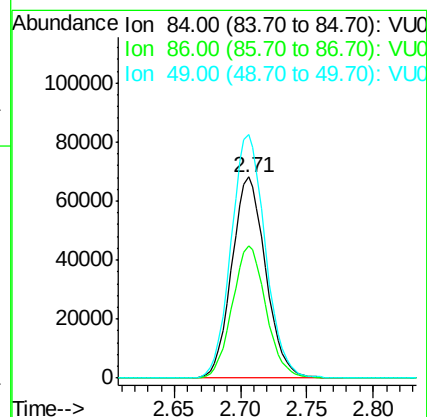
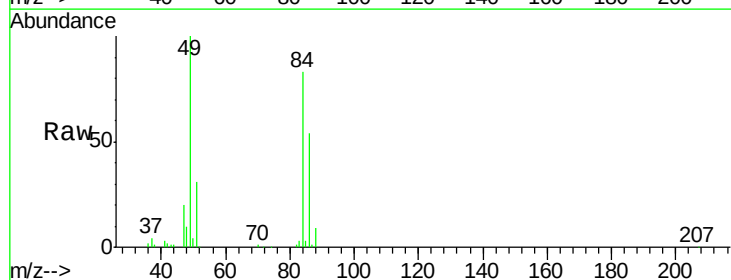
Instrument :
MSVOA_U
ClientSampleId :

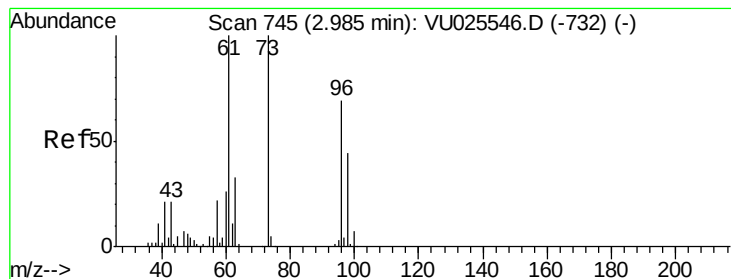
Tot Ion: 43 Resp: 117849
Ion Ratio Lower Upper
43 100
74 22.7 18.3 27.5



#16
Methylene chloride
Concen: 51.538 ug/L
RT: 2.71 min Scan# 658
Delta R.T. 0.00 min
Lab File: VU025570.D
Acq: 21 Jul 2018 02:14

Tgt Ion: 84 Resp: 121490
Ion Ratio Lower Upper
84 100
86 65.7 45.6 84.6
49 121.1 87.0 161.6





#17

trans-1,2-Dichloroethene

Concen: 48.079 ug/L

RT: 2.99 min Scan# 746

Delta R.T. 0.00 min

Lab File: VU025570.D

Acq: 21 Jul 2018 02:14

Instrument :
MSVOA_U
ClientSampleId :

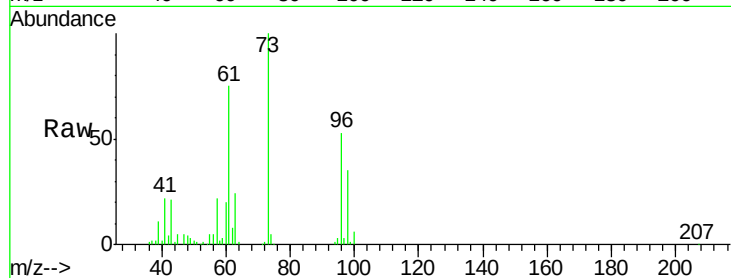
Tot Ion: 96 Resp: 104754

Ion Ratio Lower Upper

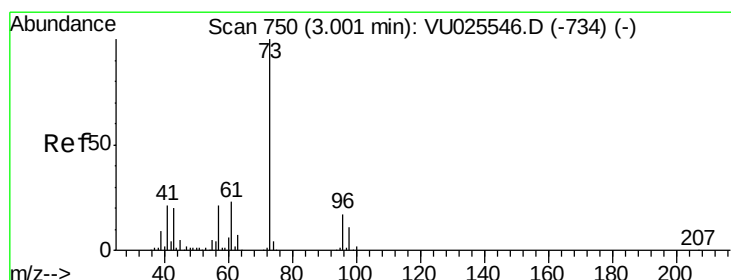
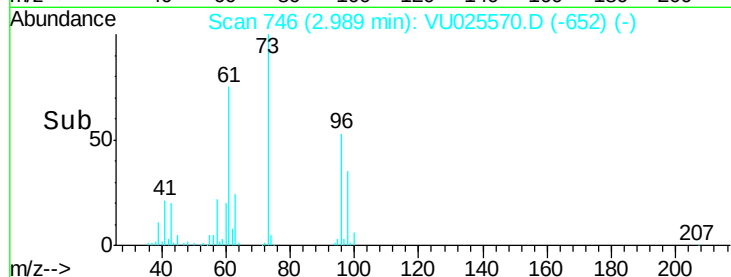
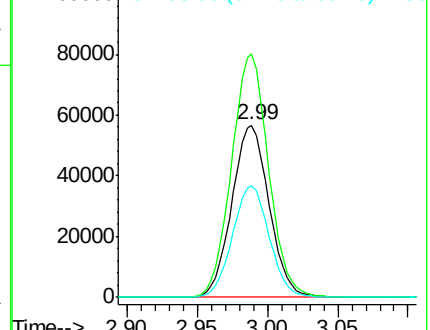
96 100

61 141.4 100.0 185.8

98 65.1 44.7 83.1



Abundance Ion 96.00 (95.70 to 96.70): VU0
Ion 61.00 (60.70 to 61.70): VU0
Ion 98.00 (97.70 to 98.70): VU0



#18

Methyl tert-butyl Ether

Concen: 49.494 ug/L

RT: 3.00 min Scan# 750

Delta R.T. 0.00 min

Lab File: VU025570.D

Acq: 21 Jul 2018 02:14

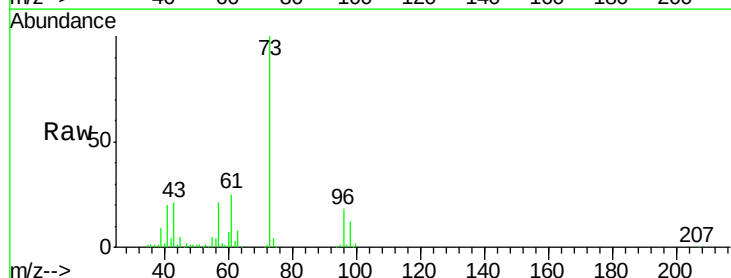
Tgt Ion: 73 Resp: 351198

Ion Ratio Lower Upper

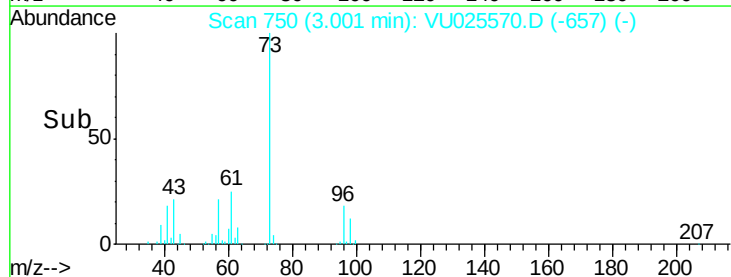
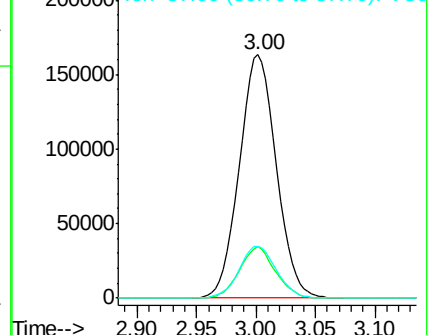
73 100

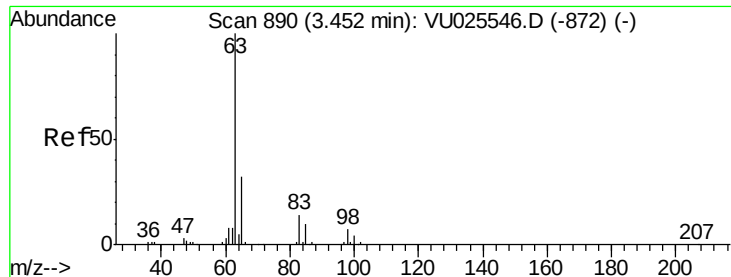
43 20.4 16.2 24.2

57 21.5 17.1 25.7



Abundance Ion 73.00 (72.70 to 73.70): VU0
Ion 43.00 (42.70 to 43.70): VU0
Ion 57.00 (56.70 to 57.70): VU0

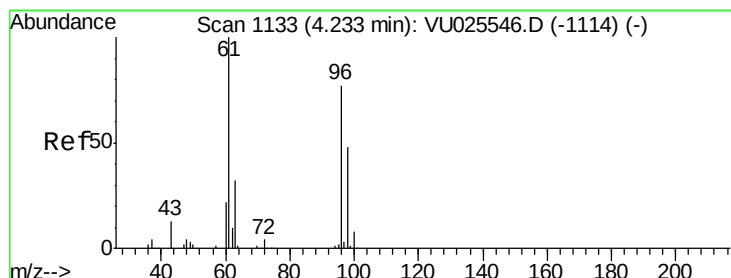
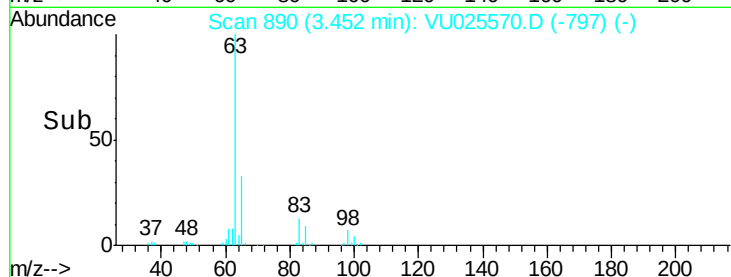
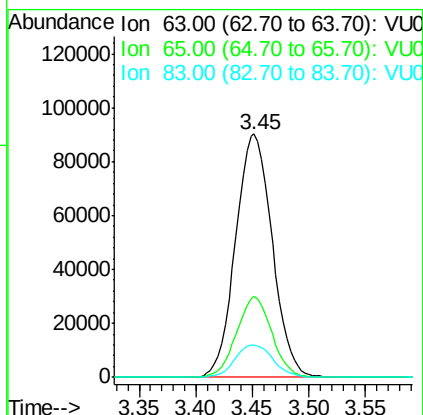
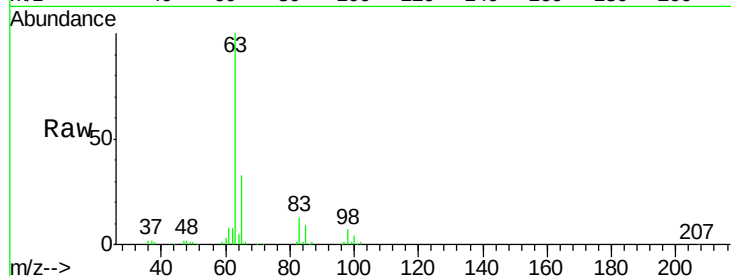




#19
 1,1-Dichloroethane
 Concen: 49.097 ug/L
 RT: 3.45 min Scan# 890
 Delta R.T. 0.00 min
 Lab File: VU025570.D
 Acq: 21 Jul 2018 02:14

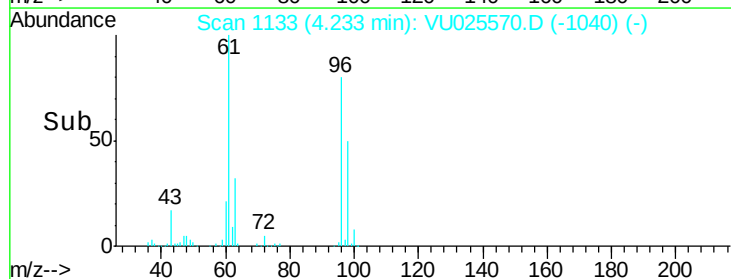
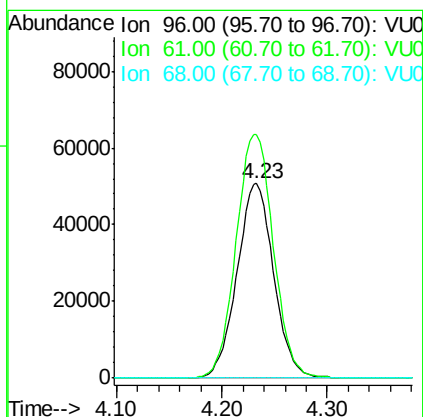
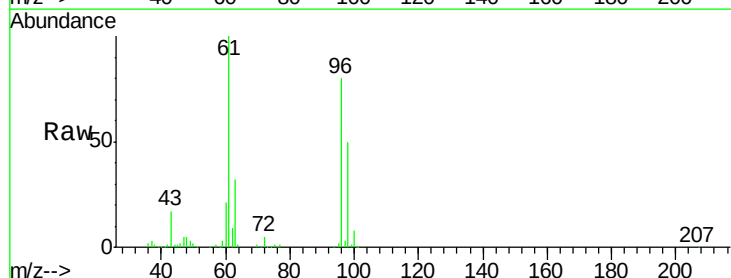
Instrument :
 MSVOA_U
 ClientSampled :

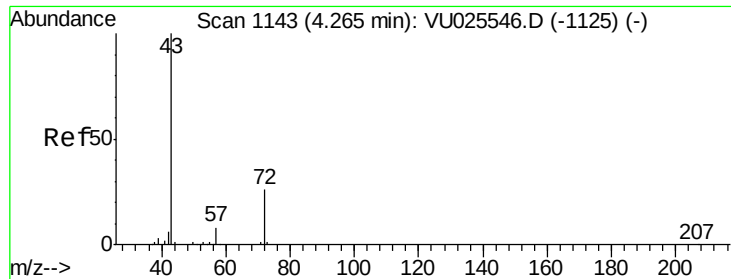
Tot Ion	Ratio	Lower	Upper
63	100		
65	33.2	22.0	41.0
83	13.4	9.6	17.8



#20
 cis-1,2-Dichloroethene
 Concen: 49.769 ug/L
 RT: 4.23 min Scan# 1133
 Delta R.T. 0.00 min
 Lab File: VU025570.D
 Acq: 21 Jul 2018 02:14

Tgt Ion	Ratio	Lower	Upper
96	100		
61	125.0	87.4	162.2
68	0.0	0.0	0.0





#22

2-Butanone

Concen: 87.327 ug/L

RT: 4.26 min Scan# 1142

Delta R.T. -0.00 min

Lab File: VU025570.D

Acq: 21 Jul 2018 02:14

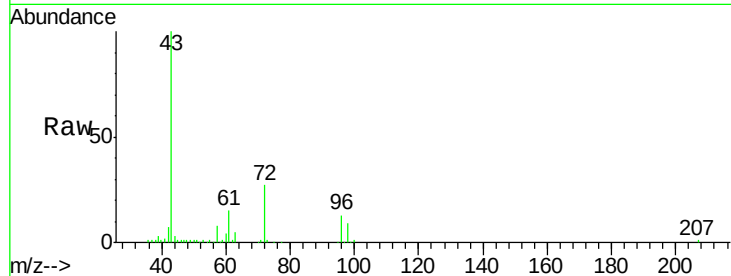
Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 43 Resp: 168635

Ion Ratio Lower Upper

43 100

72 27.1 13.6 40.8

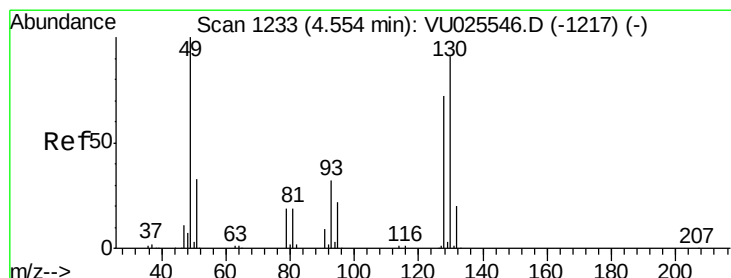
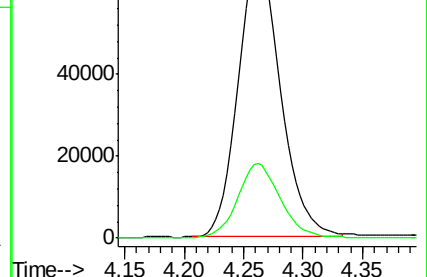
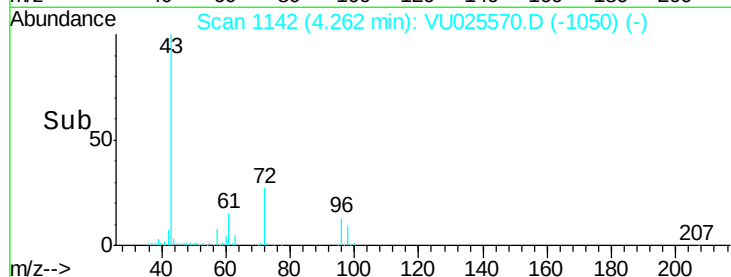


Abundance Ion 43.00 (42.70 to 43.70): VU025570.D (-1050) (-)

Ion 72.00 (71.70 to 72.70): VU025570.D (-1050) (-)

4.26

Time-->



#23

Bromochloromethane

Concen: 50.334 ug/L

RT: 4.55 min Scan# 1233

Delta R.T. 0.00 min

Lab File: VU025570.D

Acq: 21 Jul 2018 02:14

Tgt Ion: 128 Resp: 65337

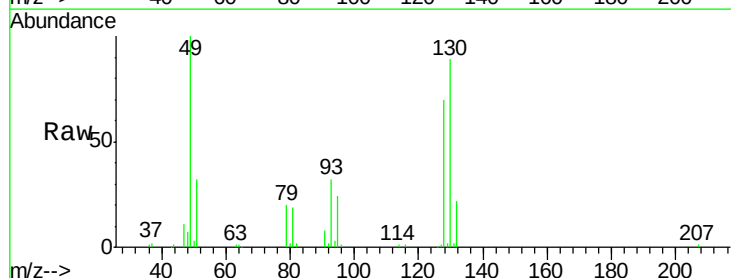
Ion Ratio Lower Upper

128 100

49 142.5 103.3 191.8

130 126.3 90.4 167.8

51 46.0 35.5 53.3



Abundance Ion 128.00 (127.70 to 128.70): VU025570.D (-1140) (-)

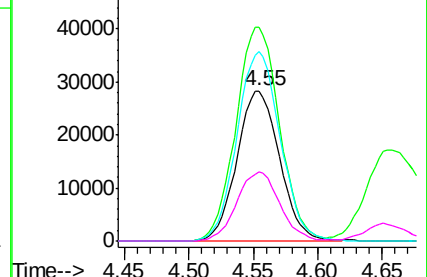
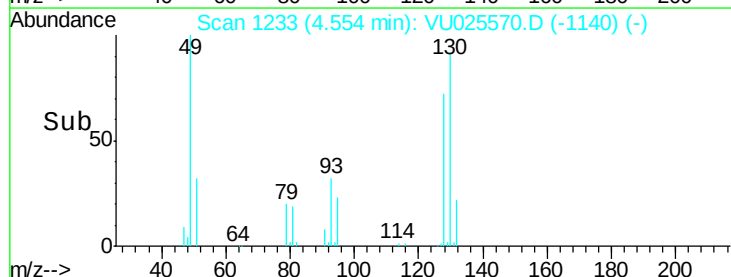
Ion 49.00 (48.70 to 49.70): VU025570.D (-1140) (-)

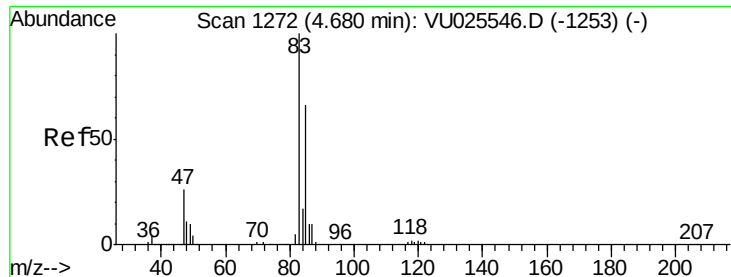
Ion 130.00 (129.70 to 130.70): VU025570.D (-1140) (-)

Ion 51.00 (50.70 to 51.70): VU025570.D (-1140) (-)

4.55

Time-->





#25

Chloroform

Concen: 49.777 ug/L

RT: 4.68 min Scan# 1272

Delta R.T. 0.00 min

Lab File: VU025570.D

Acq: 21 Jul 2018 02:14

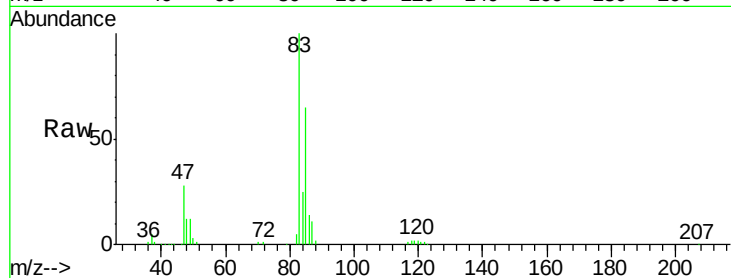
Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 83 Resp: 217089

Ion Ratio Lower Upper

83 100

85 65.3 45.0 83.6



Abundance Ion 83.00 (82.70 to 83.70): VU0

Ion 85.00 (84.70 to 85.70): VU0

100000

80000

60000

40000

20000

0

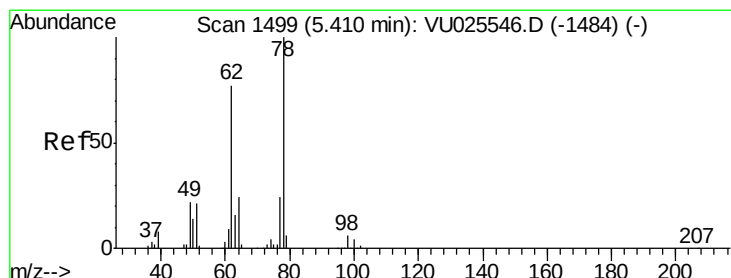
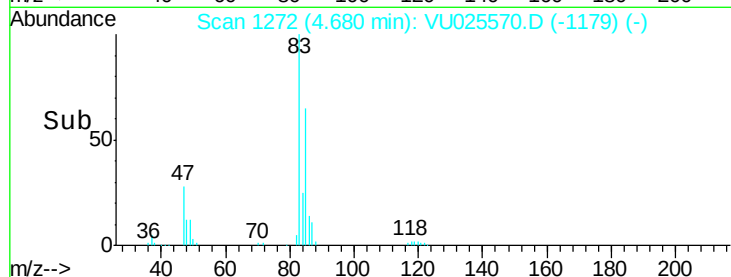
4.68

4.60

4.70

4.80

Time-->



#27

1,2-Dichloroethane

Concen: 48.892 ug/L

RT: 5.41 min Scan# 1499

Delta R.T. 0.00 min

Lab File: VU025570.D

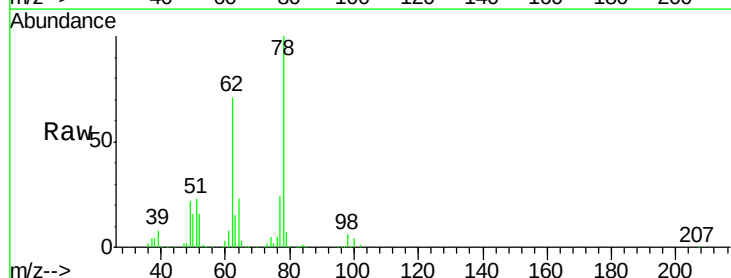
Acq: 21 Jul 2018 02:14

Tgt Ion: 62 Resp: 173921

Ion Ratio Lower Upper

62 100

98 8.8 6.5 9.7



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 98.00 (97.70 to 98.70): VU0

80000

60000

40000

20000

0

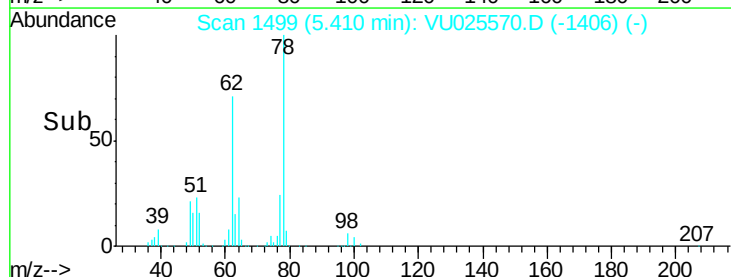
5.41

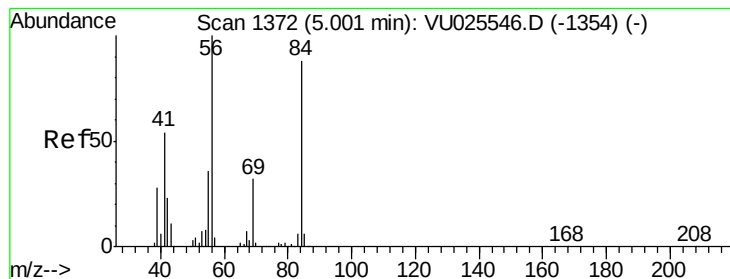
5.35

5.45

5.50

Time-->





#29

Cyclohexane

Concen: 49.450 ug/L

RT: 5.00 min Scan# 1372

Delta R.T. 0.00 min

Lab File: VU025570.D

Acq: 21 Jul 2018 02:14

Instrument :
MSVOA_U
ClientSampleId :

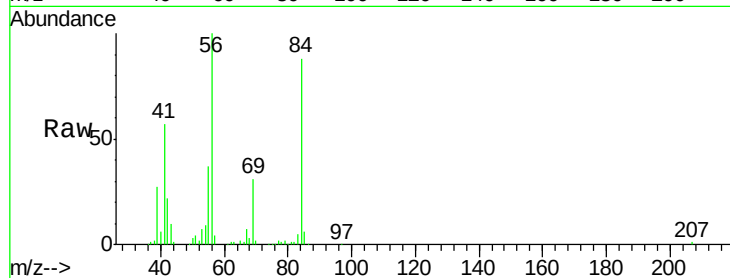
Tot Ion: 56 Resp: 178472

Ion Ratio Lower Upper

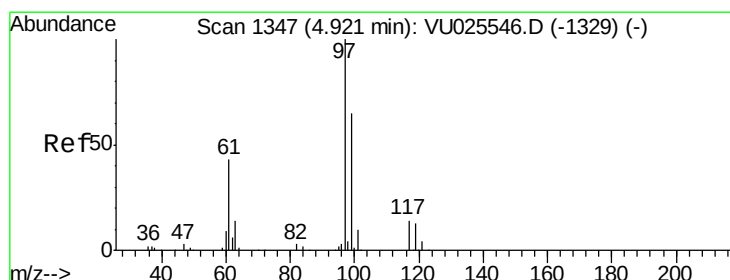
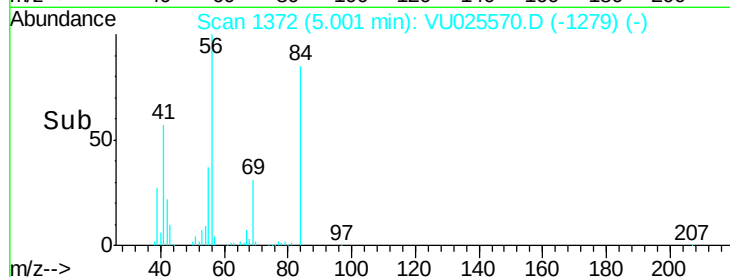
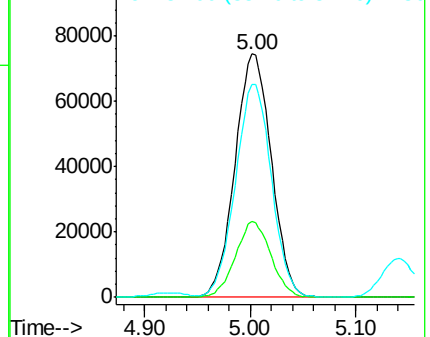
56 100

69 30.3 24.8 37.2

84 86.5 70.6 106.0



Abundance Ion 56.00 (55.70 to 56.70): VU0
Ion 69.00 (68.70 to 69.70): VU0
Ion 84.00 (83.70 to 84.70): VU0



#30

1,1,1-Trichloroethane

Concen: 49.870 ug/L

RT: 4.92 min Scan# 1347

Delta R.T. 0.00 min

Lab File: VU025570.D

Acq: 21 Jul 2018 02:14

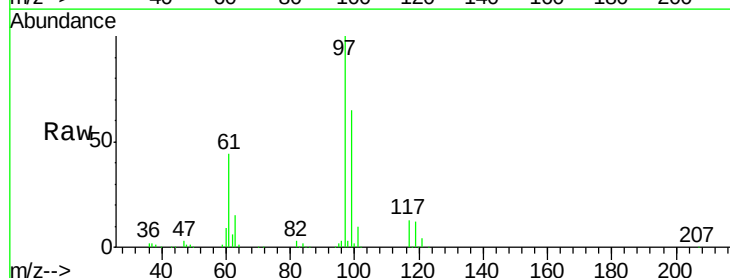
Tgt Ion: 97 Resp: 194405

Ion Ratio Lower Upper

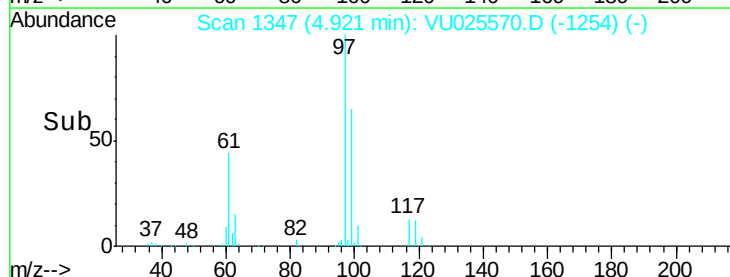
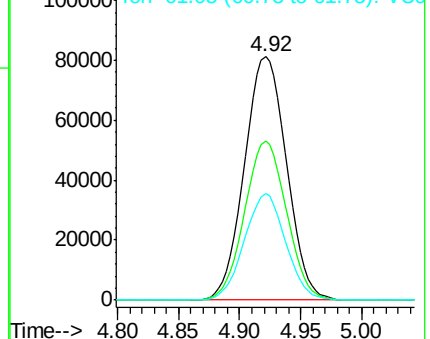
97 100

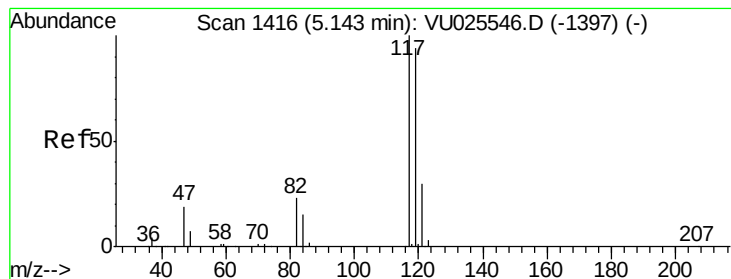
99 65.0 52.4 78.6

61 42.8 34.6 52.0



Abundance Ion 97.00 (96.70 to 97.70): VU0
Ion 99.00 (98.70 to 99.70): VU0
Ion 61.05 (60.75 to 61.75): VU0





#31

Carbon tetrachloride

Concen: 48.268 ug/L

RT: 5.14 min Scan# 1416

Delta R.T. 0.00 min

Lab File: VU025570.D

Acq: 21 Jul 2018 02:14

Instrument :

MSVOA_U

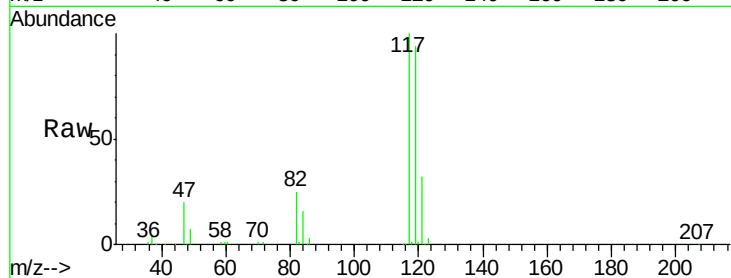
ClientSampleId :

Tot Ion:117 Resp: 173985

Ion Ratio Lower Upper

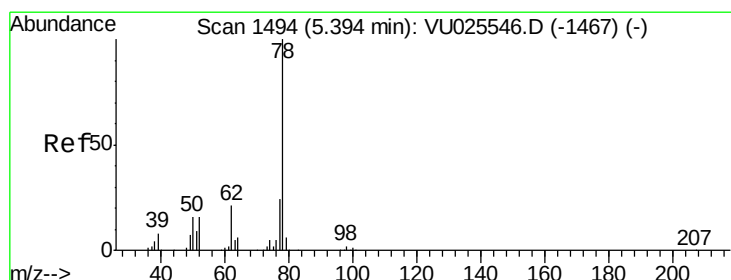
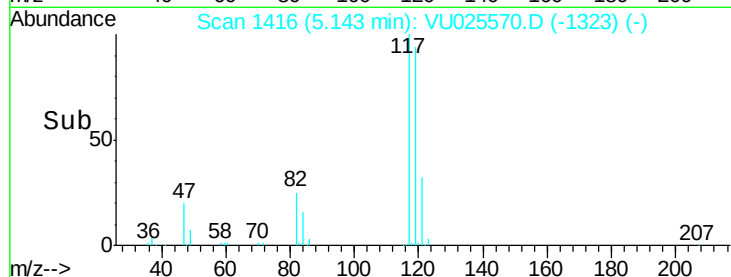
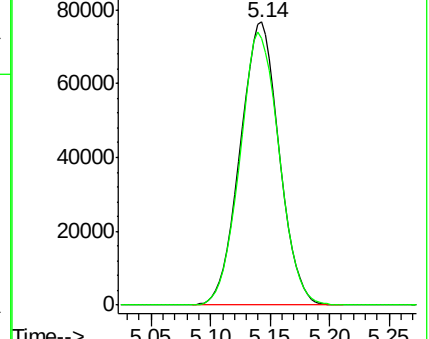
117 100

119 97.2 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: 49.448 ug/L

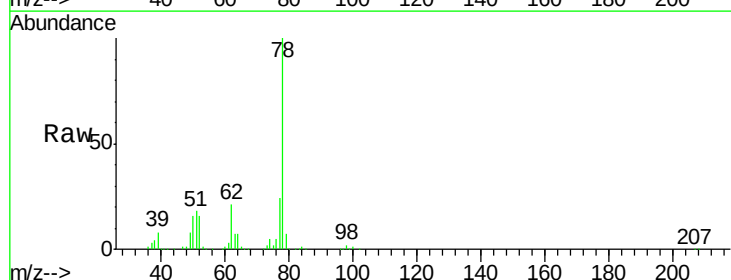
RT: 5.39 min Scan# 1494

Delta R.T. 0.00 min

Lab File: VU025570.D

Acq: 21 Jul 2018 02:14

Tgt Ion: 78 Resp: 442611



Abundance Ion 78.00 (77.70 to 78.70): VU0

250000

200000

150000

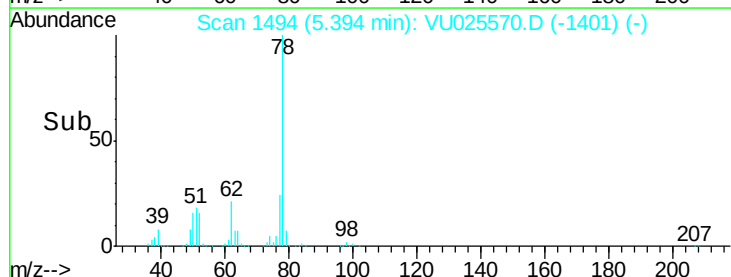
100000

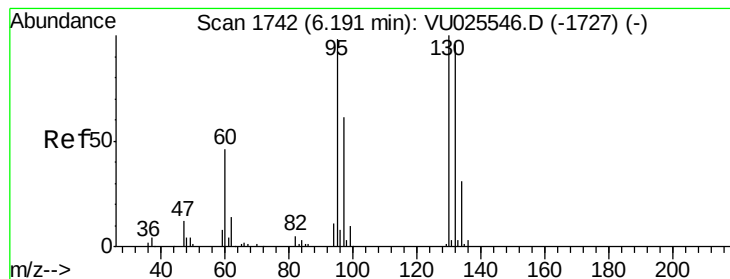
50000

0

5.30 5.40 5.50

Time-->





#34

Trichloroethene

Concen: 50.315 ug/L

RT: 6.19 min Scan# 1742

Delta R.T. 0.00 min

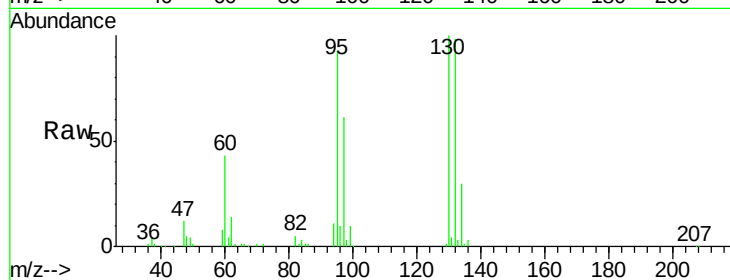
Lab File: VU025570.D

Acq: 21 Jul 2018 02:14

Instrument :

MSVOA_U

ClientSampled :



Tot Ion: 95 Resp: 119499

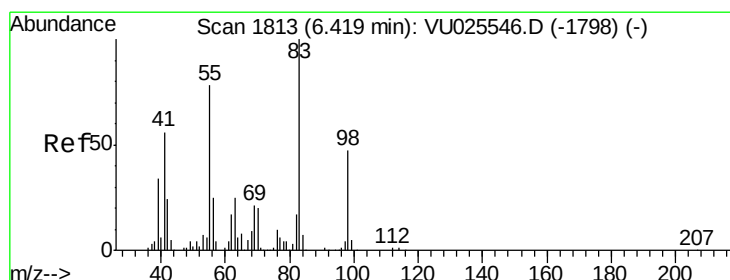
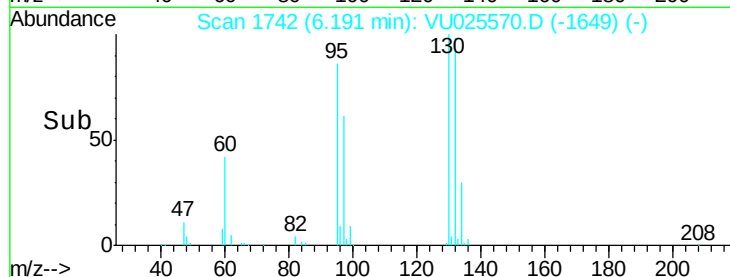
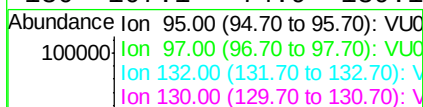
Ion Ratio Lower Upper

95 100

97 65.8 45.9 85.3

132 104.9 72.2 134.2

130 107.1 74.9 139.1



#35

Methylcyclohexane

Concen: 48.283 ug/L

RT: 6.42 min Scan# 1814

Delta R.T. 0.00 min

Lab File: VU025570.D

Acq: 21 Jul 2018 02:14

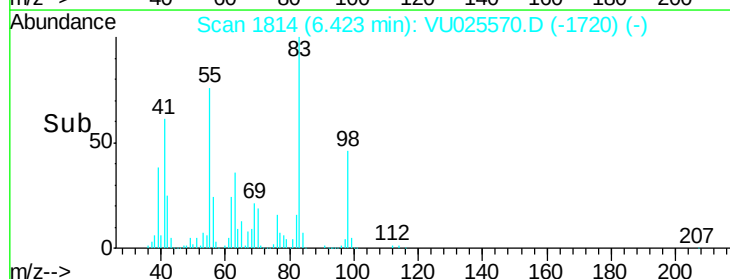
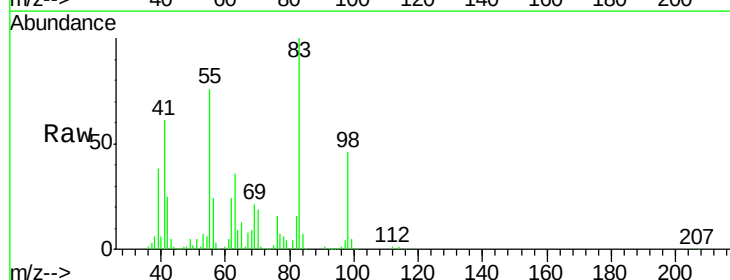
Tgt Ion: 83 Resp: 184898

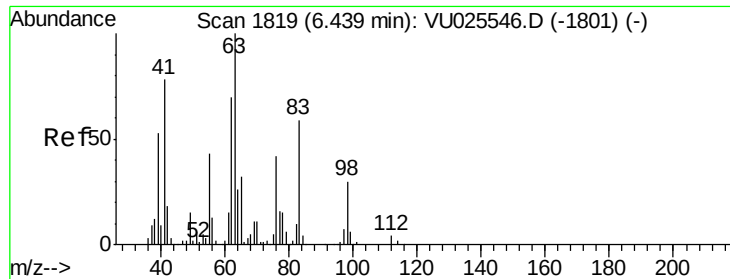
Ion Ratio Lower Upper

83 100

55 76.5 61.1 91.7

98 46.8 38.6 57.8

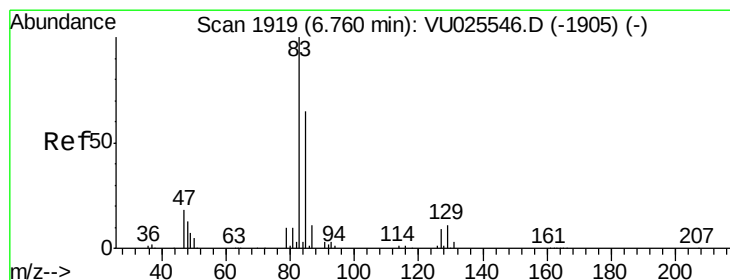
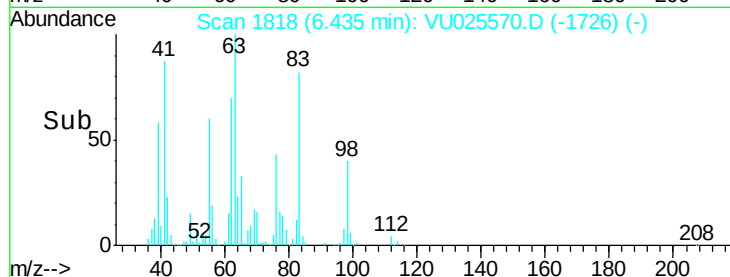
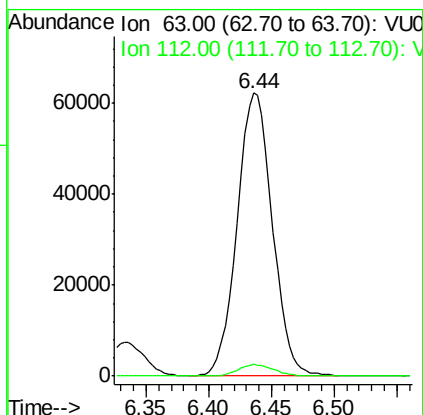
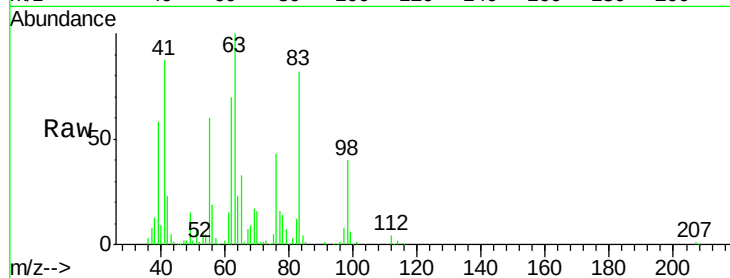




#37
 1,2-Dichloropropane
 Concen: 49.800 ug/L
 RT: 6.44 min Scan# 1818
 Delta R.T. -0.00 min
 Lab File: VU025570.D
 Acq: 21 Jul 2018 02:14

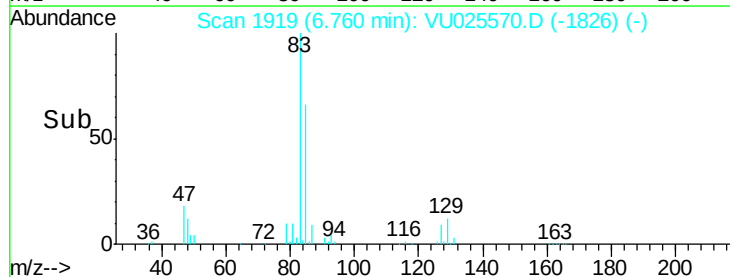
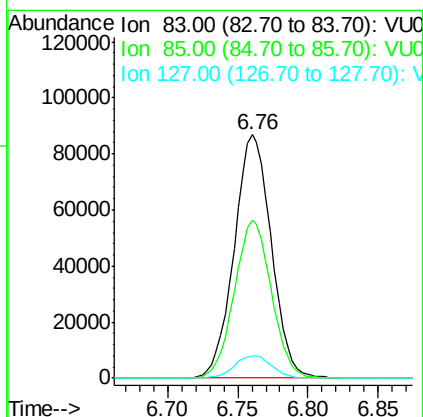
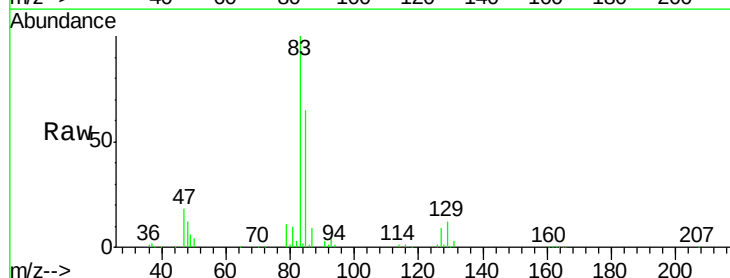
Instrument :
 MSVOA_U
 ClientSampleId :

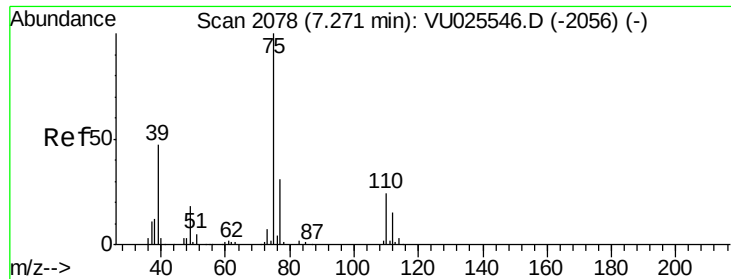
Tot Ion: 63 Resp: 121811
 Ion Ratio Lower Upper
 63 100
 112 4.2 3.3 4.9



#38
 Bromodichloromethane
 Concen: 49.682 ug/L
 RT: 6.76 min Scan# 1919
 Delta R.T. 0.00 min
 Lab File: VU025570.D
 Acq: 21 Jul 2018 02:14

Tgt Ion: 83 Resp: 160225
 Ion Ratio Lower Upper
 83 100
 85 65.0 46.7 86.7
 127 9.1 8.0 12.0



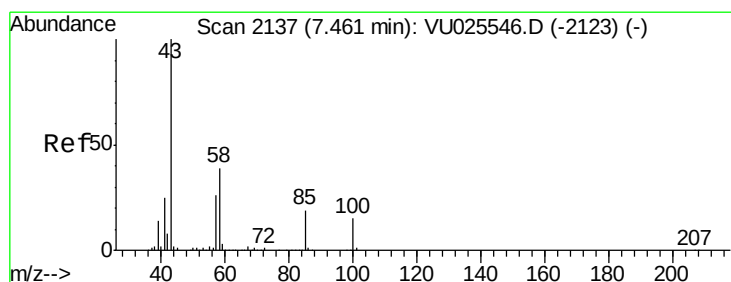
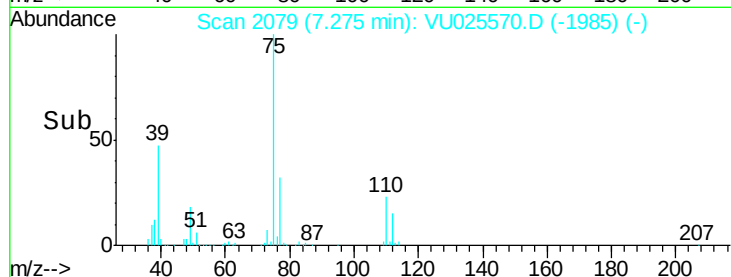
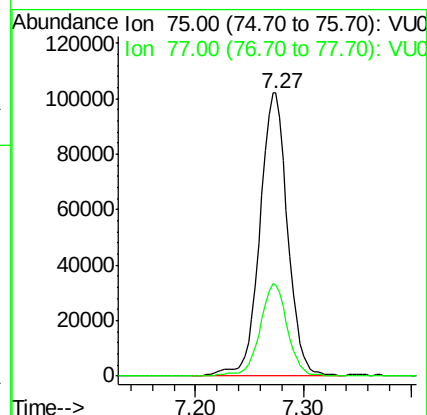
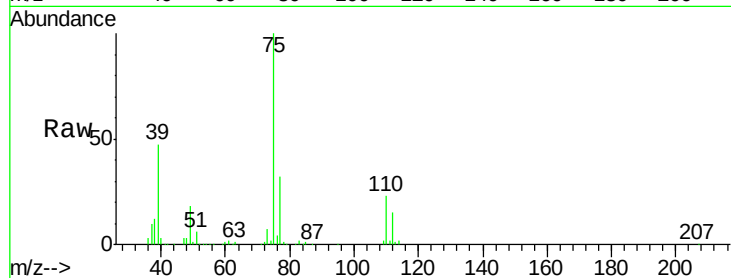


#39

cis-1,3-Dichloropropene
 Concen: 48.062 ug/L
 RT: 7.27 min Scan# 2079
 Delta R.T. 0.00 min
 Lab File: VU025570.D
 Acq: 21 Jul 2018 02:14

Instrument :
 MSVOA_U
 ClientSampleId :

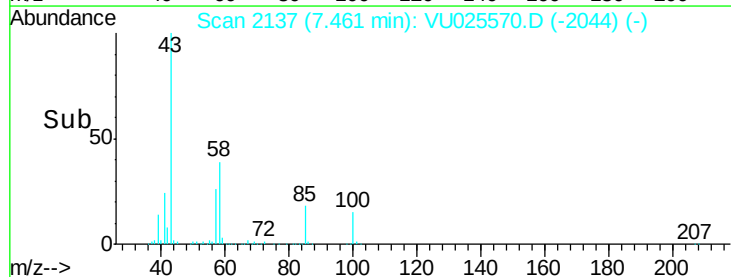
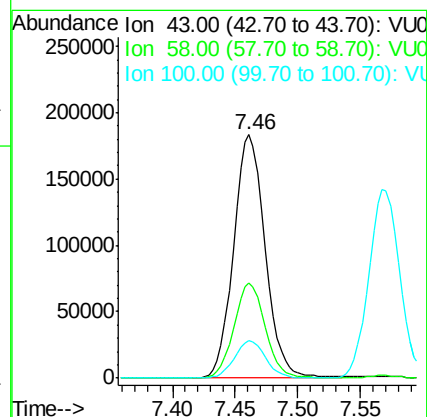
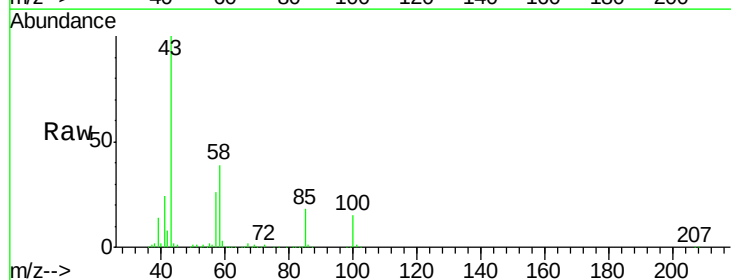
Tot Ion: 75 Resp: 182443
 Ion Ratio Lower Upper
 75 100
 77 32.4 22.0 41.0

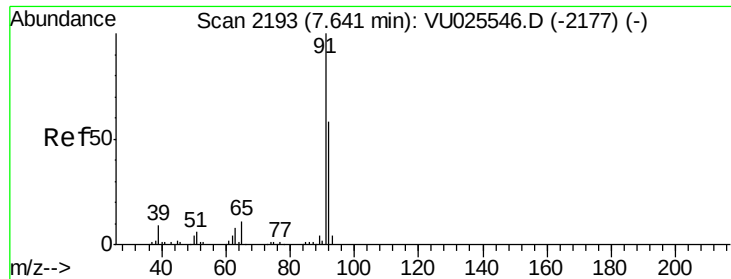


#40

4-Methyl-2-pentanone
 Concen: 100.147 ug/L
 RT: 7.46 min Scan# 2137
 Delta R.T. 0.00 min
 Lab File: VU025570.D
 Acq: 21 Jul 2018 02:14

Tgt Ion: 43 Resp: 321687
 Ion Ratio Lower Upper
 43 100
 58 38.6 30.8 46.2
 100 15.2 12.1 18.1





#42

Toluene

Concen: 50.355 ug/L

RT: 7.64 min Scan# 2193

Delta R.T. 0.00 min

Lab File: VU025570.D

Acq: 21 Jul 2018 02:14

Instrument :

MSVOA_U

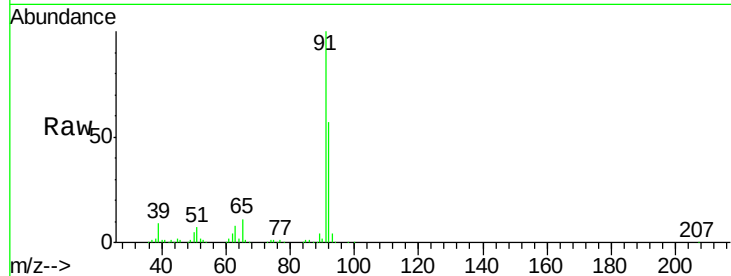
ClientSampleId :

Tot Ion: 91 Resp: 486077

Ion Ratio Lower Upper

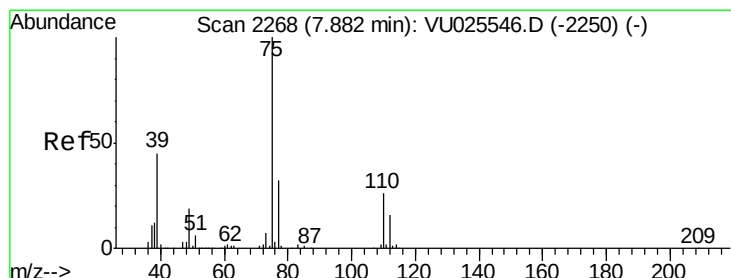
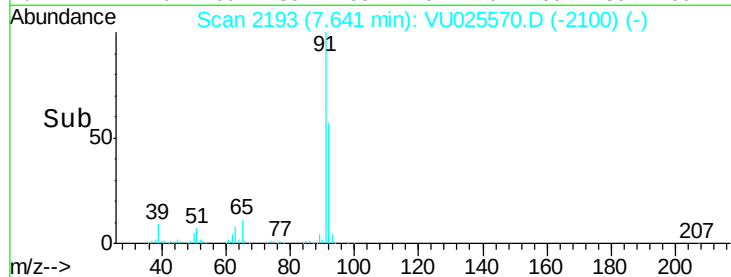
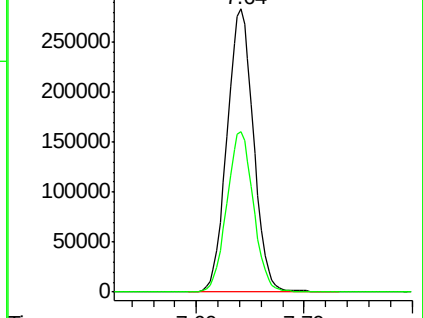
91 100

92 56.8 40.0 74.2



Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 92.00 (91.70 to 92.70): VU0



#44

trans-1,3-Dichloropropene

Concen: 47.696 ug/L

RT: 7.88 min Scan# 2268

Delta R.T. 0.00 min

Lab File: VU025570.D

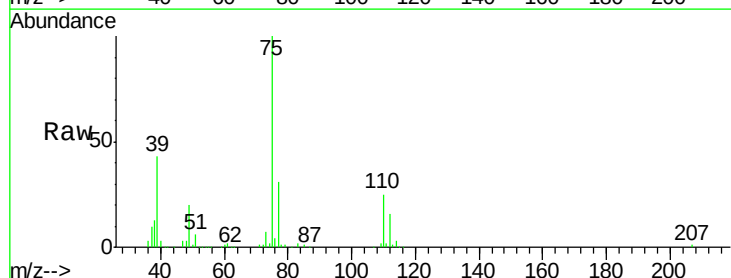
Acq: 21 Jul 2018 02:14

Tgt Ion: 75 Resp: 170707

Ion Ratio Lower Upper

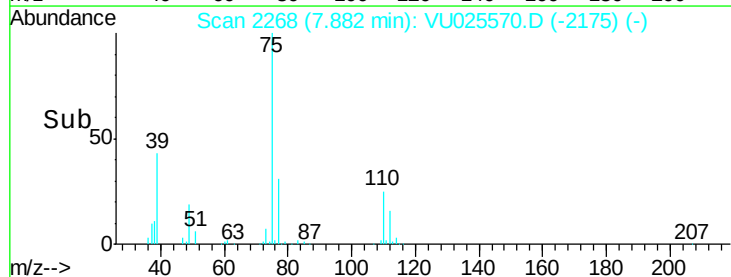
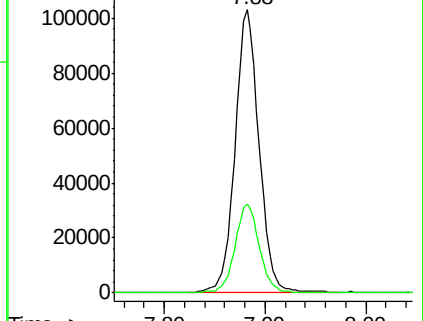
75 100

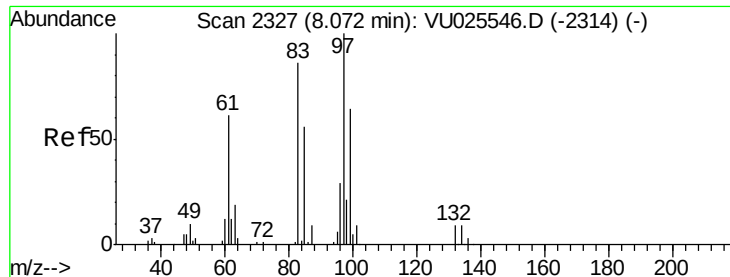
77 31.2 22.2 41.2



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0

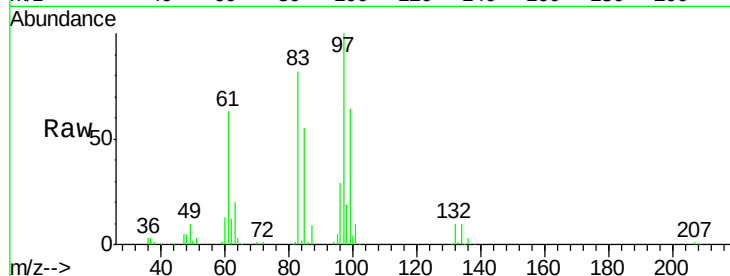




#45
1,1,2-Trichloroethane
Concen: 49.431 ug/L
RT: 8.07 min Scan# 2326
Delta R.T. -0.00 min
Lab File: VU025570.D
Acq: 21 Jul 2018 02:14

Instrument :
MSVOA_U
ClientSampled :

Tot Ion:	97	Resp:	115975
Ion	Ratio	Lower	Upper
97	100		
99	63.6	44.3	82.3
83	82.1	59.8	111.1
85	55.4	37.9	70.5



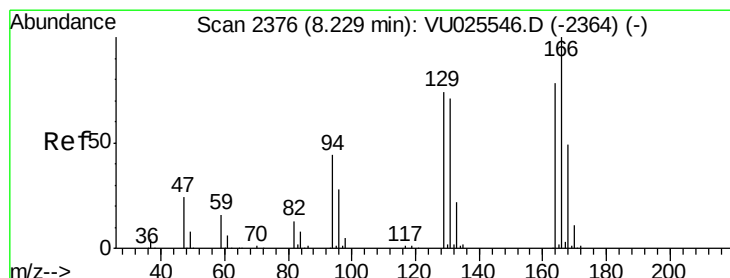
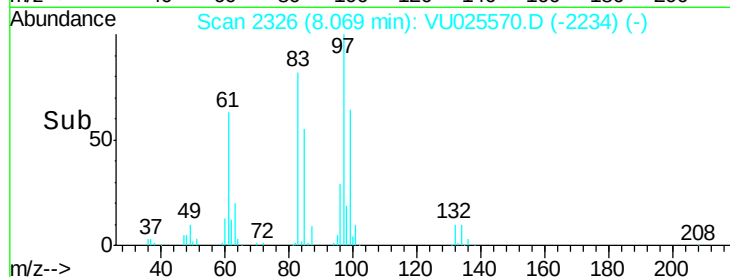
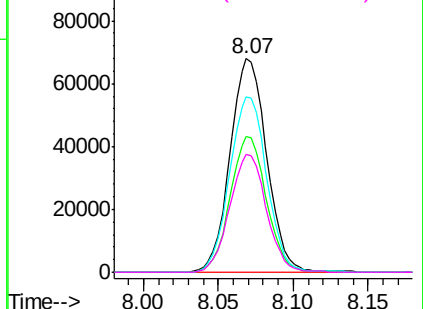
Abundance

Ion 97.00 (96.70 to 97.70): VU025570.D (-2283) (-)

Ion 99.00 (98.70 to 99.70): VU025570.D (-2283) (-)

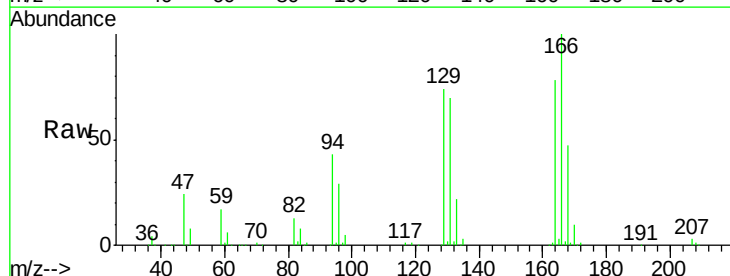
Ion 83.00 (82.70 to 83.70): VU025570.D (-2283) (-)

Ion 85.00 (84.70 to 85.70): VU025570.D (-2283) (-)



#46
Tetrachloroethene
Concen: 48.661 ug/L
RT: 8.23 min Scan# 2376
Delta R.T. 0.00 min
Lab File: VU025570.D
Acq: 21 Jul 2018 02:14

Tgt Ion:	164	Resp:	100191
Ion	Ratio	Lower	Upper
164	100		
129	95.0	65.1	120.9
131	89.6	62.8	116.6
166	127.8	89.7	166.7



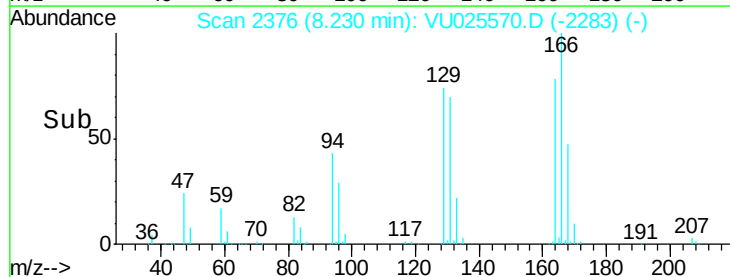
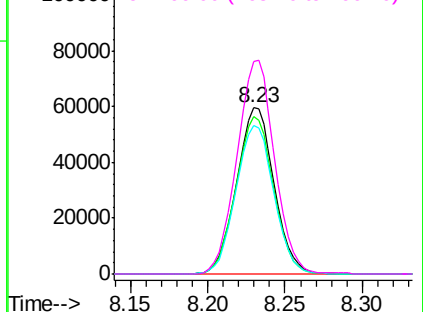
Abundance

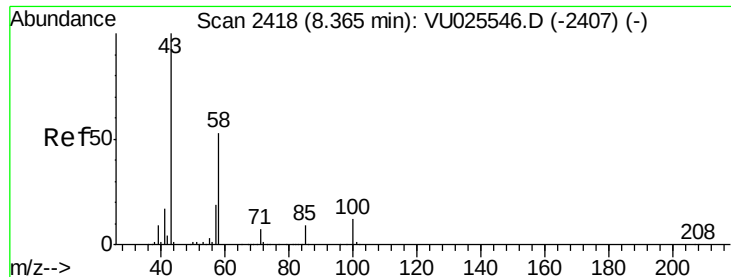
Ion 164.00 (163.70 to 164.70): VU025570.D (-2283) (-)

Ion 129.00 (128.70 to 129.70): VU025570.D (-2283) (-)

Ion 131.00 (130.70 to 131.70): VU025570.D (-2283) (-)

Ion 166.00 (165.70 to 166.70): VU025570.D (-2283) (-)

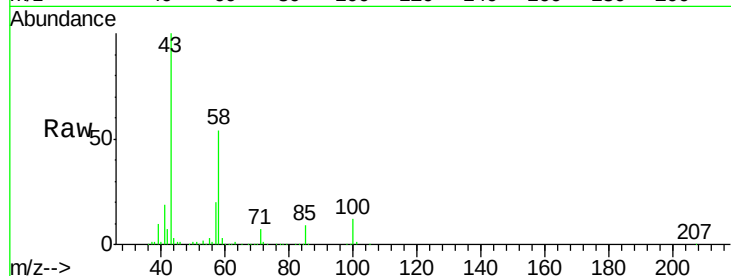




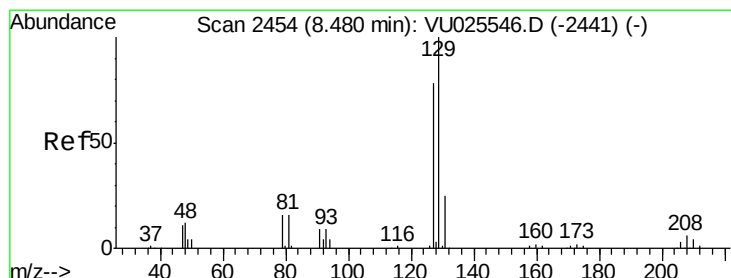
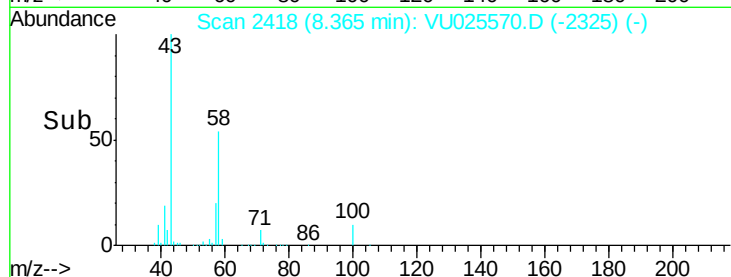
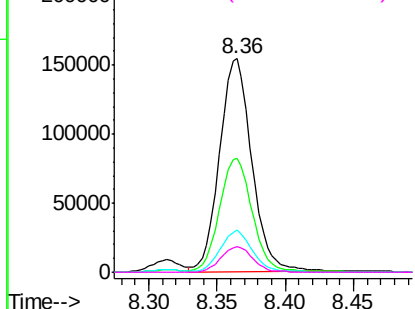
#48
2-Hexanone
Concen: 93.236 ug/L
RT: 8.36 min Scan# 2418
Delta R.T. 0.00 min
Lab File: VU025570.D
Acq: 21 Jul 2018 02:14

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 43 Resp: 253065
Ion Ratio Lower Upper
43 100
58 54.4 42.9 64.3
57 19.7 15.4 23.2
100 12.0 9.6 14.4

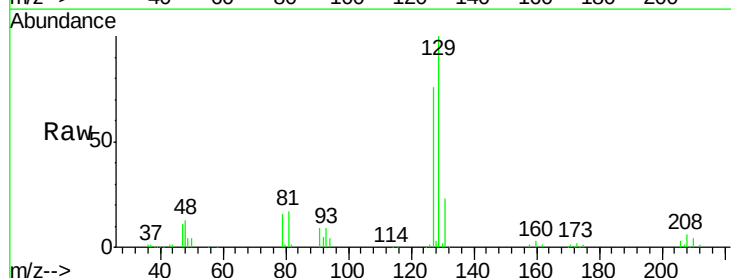


Abundance Ion 43.00 (42.70 to 43.70): VU0
Ion 58.00 (57.70 to 58.70): VU0
Ion 57.00 (56.70 to 57.70): VU0
Ion 100.00 (99.70 to 100.70): VU0

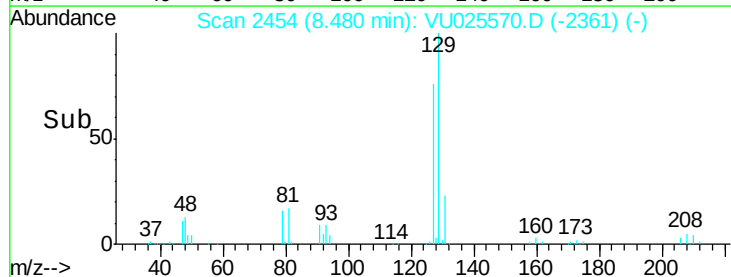
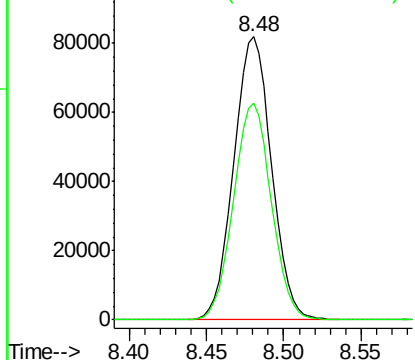


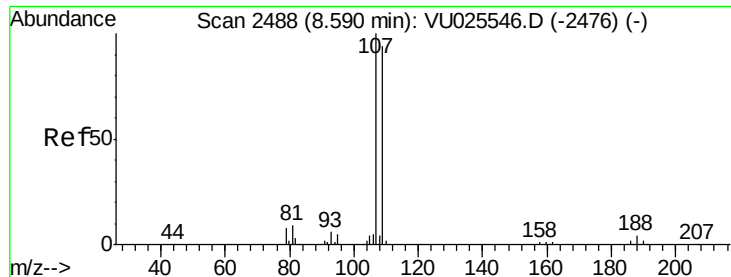
#49
Dibromochloromethane
Concen: 50.468 ug/L
RT: 8.48 min Scan# 2454
Delta R.T. 0.00 min
Lab File: VU025570.D
Acq: 21 Jul 2018 02:14

Tgt Ion: 129 Resp: 138900
Ion Ratio Lower Upper
129 100
127 76.5 53.8 100.0



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

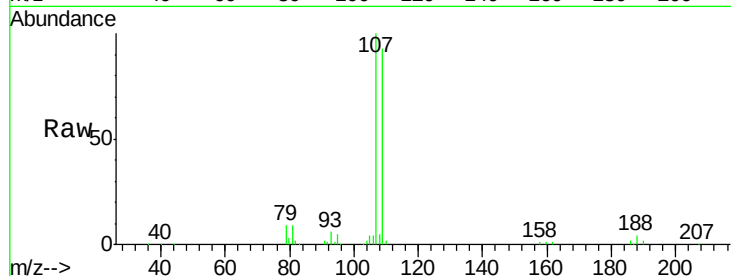




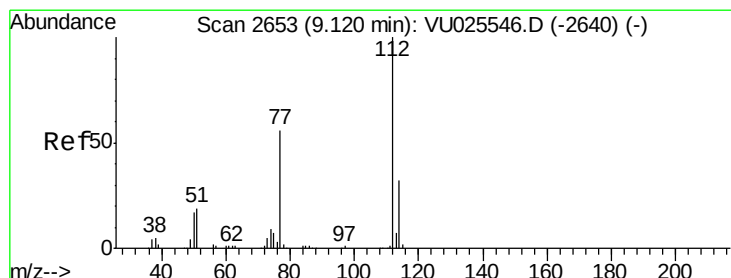
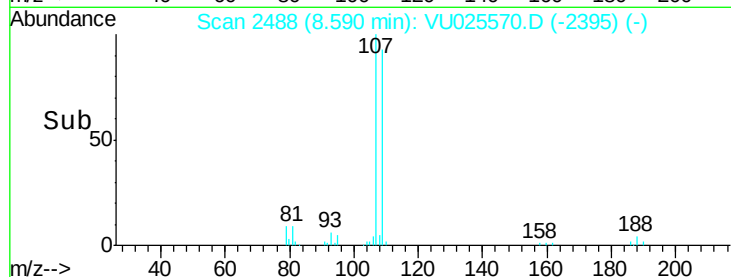
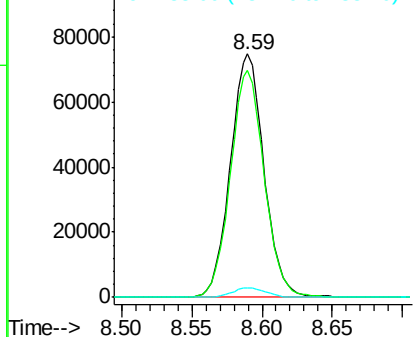
#50
 1,2-Dibromoethane
 Concen: 49.245 ug/L
 RT: 8.59 min Scan# 2488
 Delta R.T. 0.00 min
 Lab File: VU025570.D
 Acq: 21 Jul 2018 02:14

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
107	100		
109	93.3	66.6	123.8
188	3.8	3.2	4.8

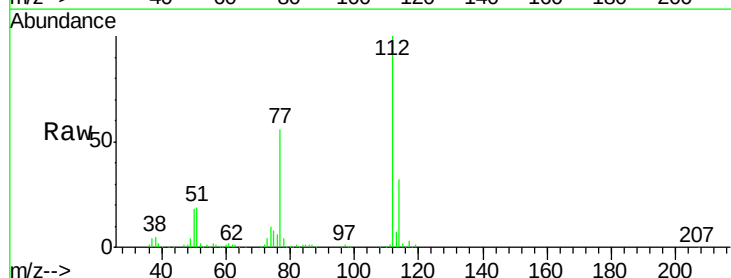


Abundance Ion 107.00 (106.70 to 107.70): V
 Ion 109.00 (108.70 to 109.70): V
 Ion 188.00 (187.70 to 188.70): V

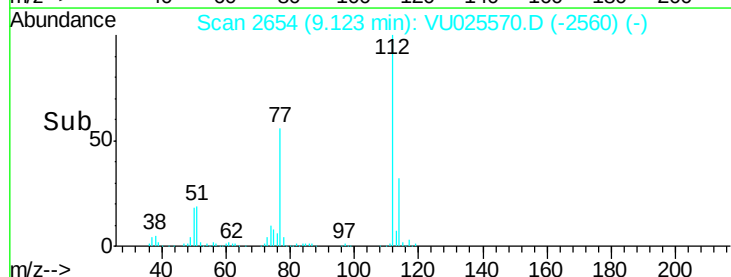
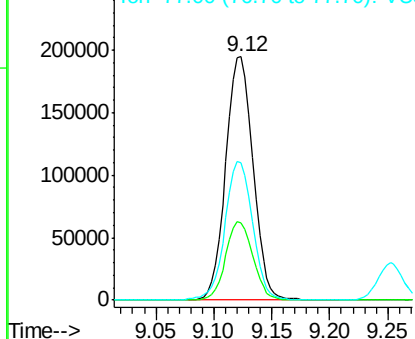


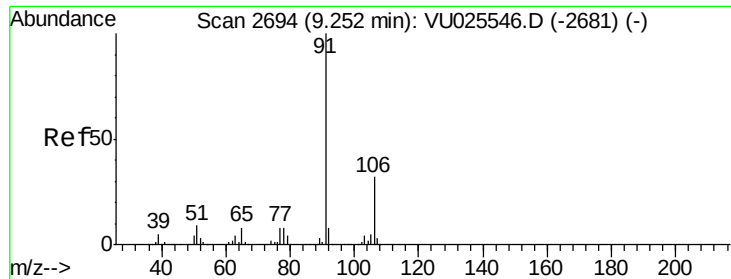
#51
 Chlorobenzene
 Concen: 49.144 ug/L
 RT: 9.12 min Scan# 2654
 Delta R.T. 0.00 min
 Lab File: VU025570.D
 Acq: 21 Jul 2018 02:14

Tgt Ion	Ratio	Lower	Upper
112	100		
114	31.9	22.5	41.9
77	56.4	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: 50.438 ug/L

RT: 9.25 min Scan# 2694

Delta R.T. 0.00 min

Lab File: VU025570.D

Acq: 21 Jul 2018 02:14

Instrument :

MSVOA_U

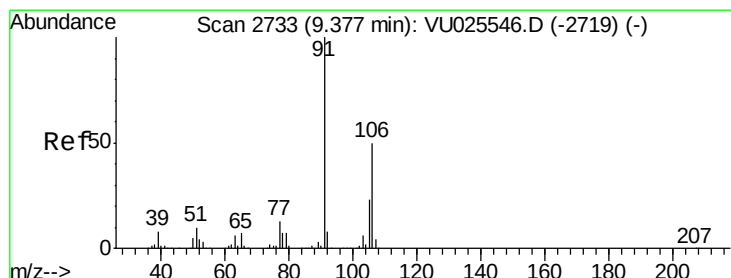
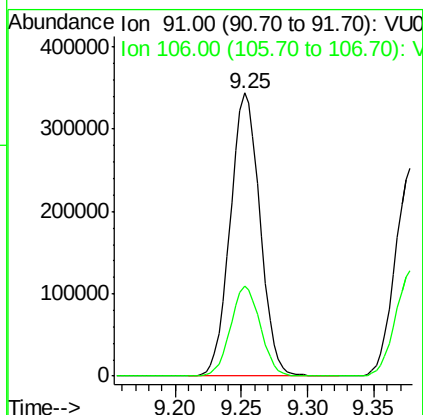
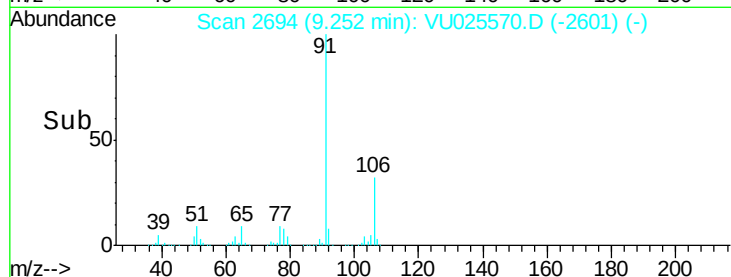
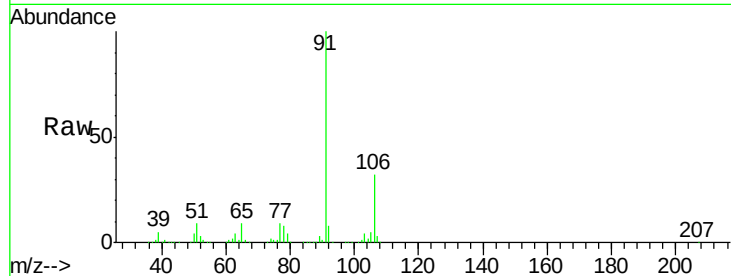
ClientSampleId :

Tot Ion: 91 Resp: 537372

Ion Ratio Lower Upper

91 100

106 31.6 22.3 41.5



#53

m,p-Xylene

Concen: 50.978 ug/L

RT: 9.38 min Scan# 2733

Delta R.T. 0.00 min

Lab File: VU025570.D

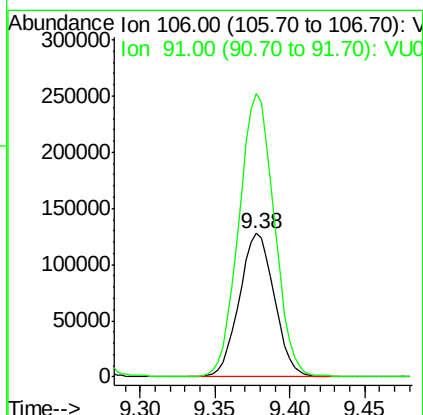
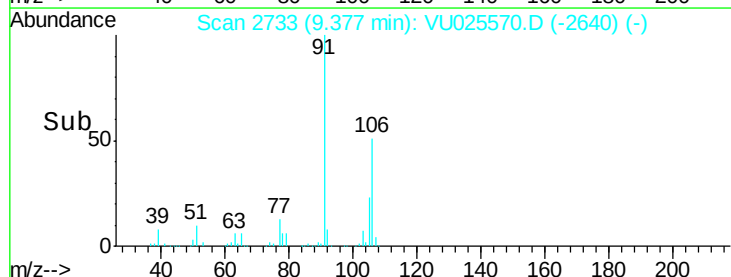
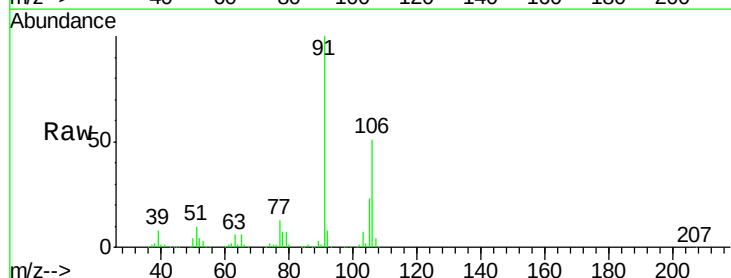
Acq: 21 Jul 2018 02:14

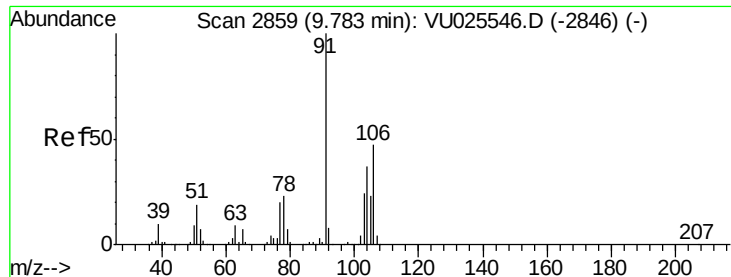
Tgt Ion: 106 Resp: 208037

Ion Ratio Lower Upper

106 100

91 197.6 141.7 263.3

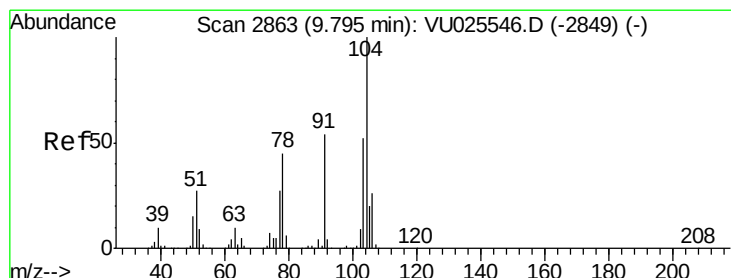
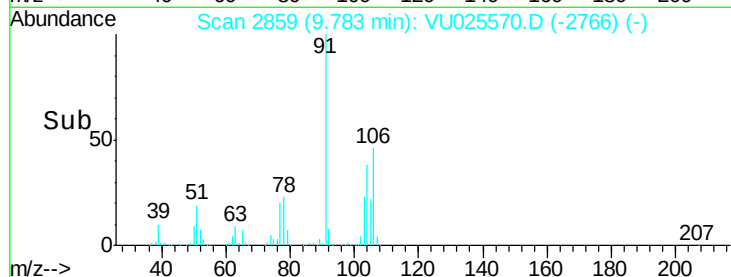
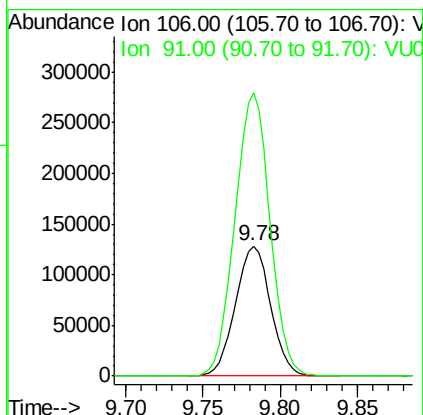
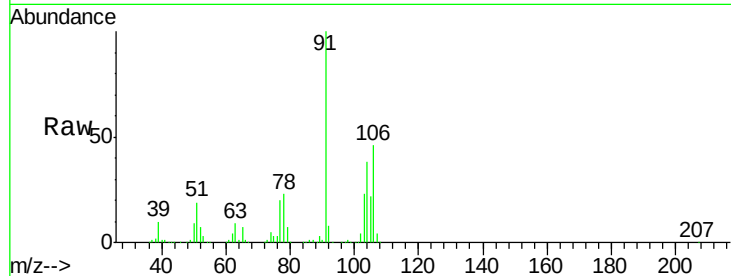




#54
o-xylene
Concen: 48.988 ug/L
RT: 9.78 min Scan# 2859
Delta R.T. 0.00 min
Lab File: VU025570.D
Acq: 21 Jul 2018 02:14

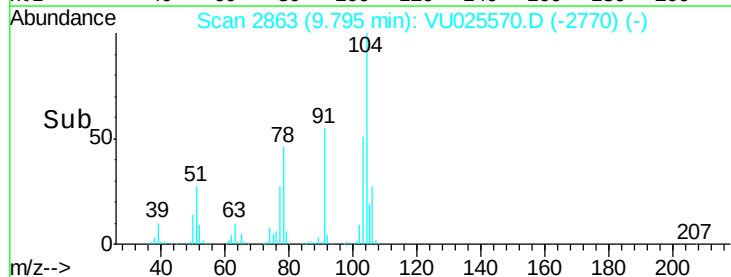
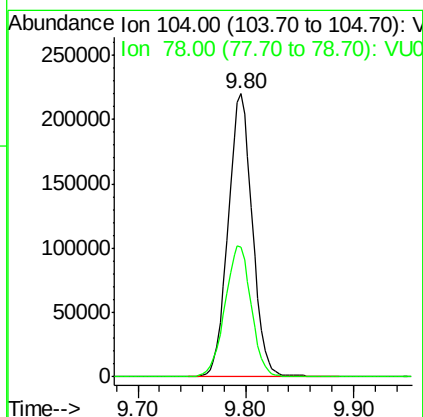
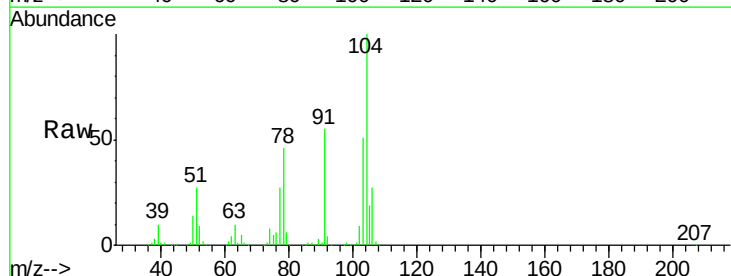
Instrument :
MSVOA_U
ClientSampleId :

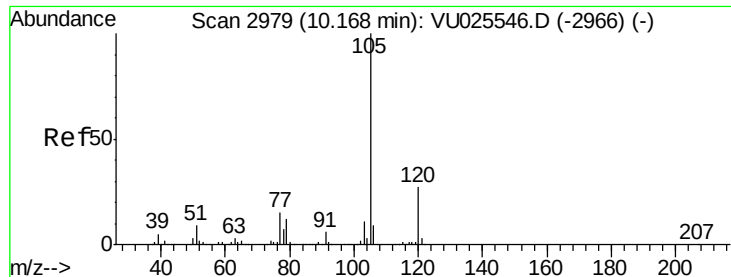
Tot Ion:106 Resp: 202854
Ion Ratio Lower Upper
106 100
91 217.8 150.6 279.6



#55
Styrene
Concen: 51.103 ug/L
RT: 9.80 min Scan# 2863
Delta R.T. 0.00 min
Lab File: VU025570.D
Acq: 21 Jul 2018 02:14

Tgt Ion:104 Resp: 344654
Ion Ratio Lower Upper
104 100
78 45.7 31.8 59.0





#56

Isopropylbenzene

Concen: 50.382 ug/L

RT: 10.17 min Scan# 2979

Delta R.T. 0.00 min

Lab File: VU025570.D

Acq: 21 Jul 2018 02:14

Instrument :

MSVOA_U

ClientSampleId :

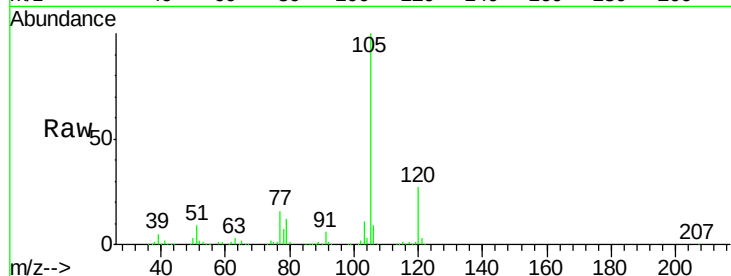
Tot Ion:105 Resp: 538411

Ion Ratio Lower Upper

105 100

120 27.0 21.7 32.5

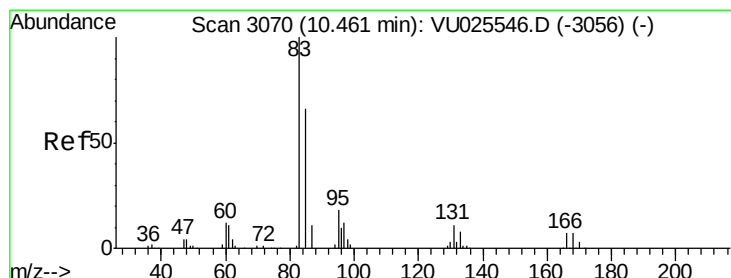
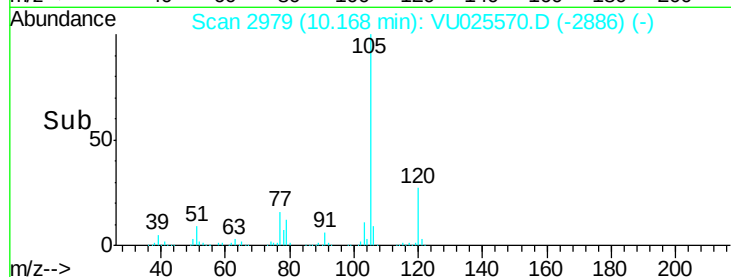
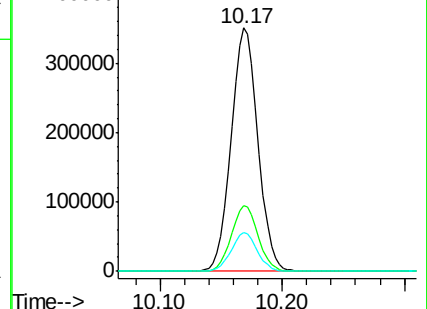
77 15.5 12.4 18.6



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: 47.541 ug/L

RT: 10.46 min Scan# 3070

Delta R.T. 0.00 min

Lab File: VU025570.D

Acq: 21 Jul 2018 02:14

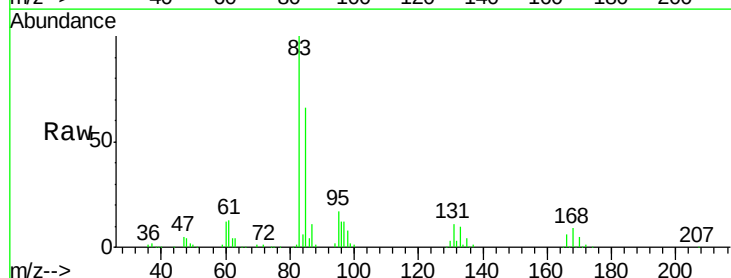
Tgt Ion: 83 Resp: 179919

Ion Ratio Lower Upper

83 100

85 65.5 45.1 83.7

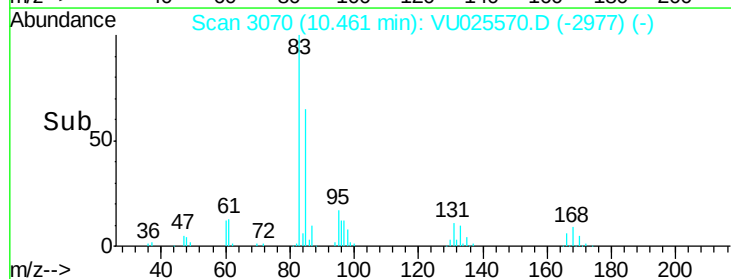
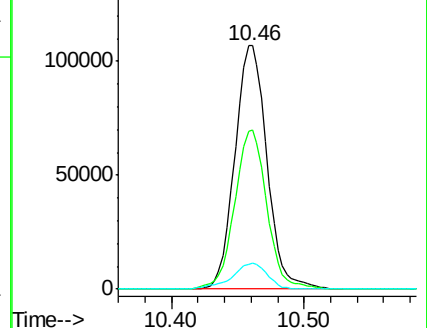
131 10.7 8.7 13.1

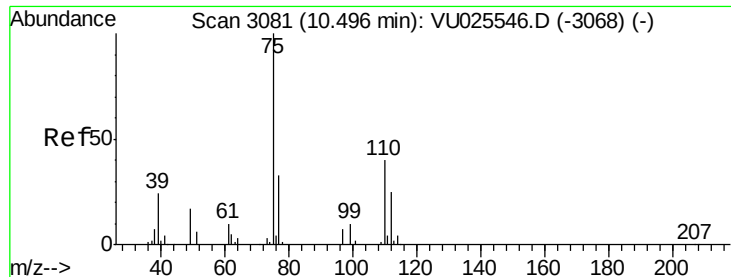


Abundance Ion 83.00 (82.70 to 83.70): V

Ion 85.00 (84.70 to 85.70): V

Ion 131.00 (130.70 to 131.70): V

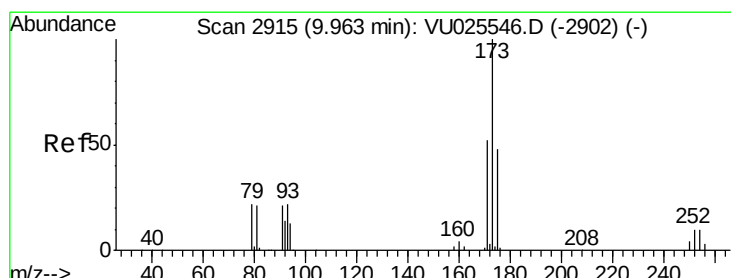
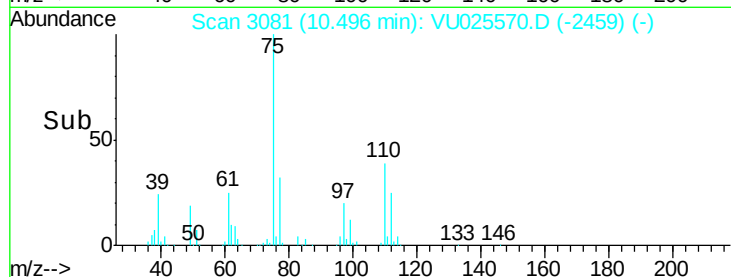
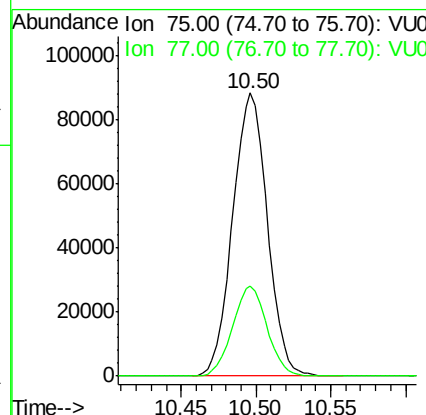
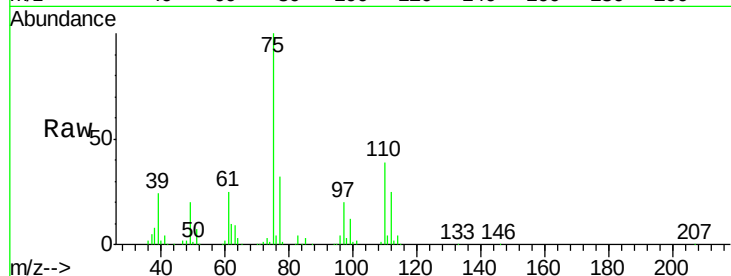




#59
 1,2,3-Trichloropropane
 Concen: 49.480 ug/L
 RT: 10.50 min Scan# 3081
 Delta R.T. 0.00 min
 Lab File: VU025570.D
 Acq: 21 Jul 2018 02:14

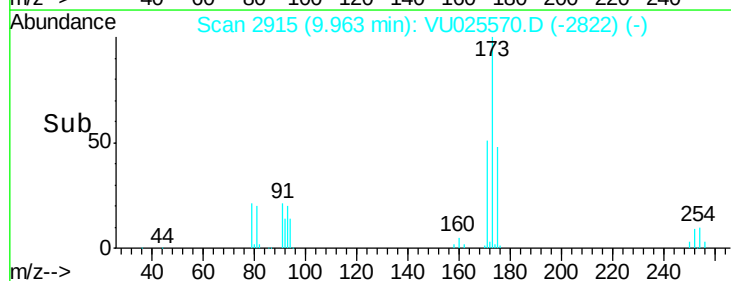
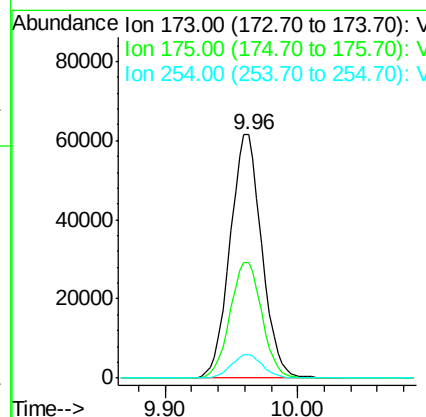
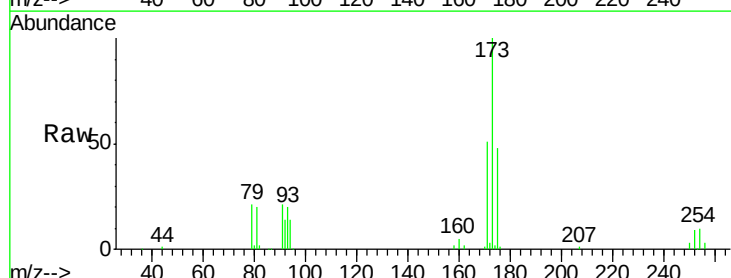
Instrument :
 MSVOA_U
 ClientSampleId :

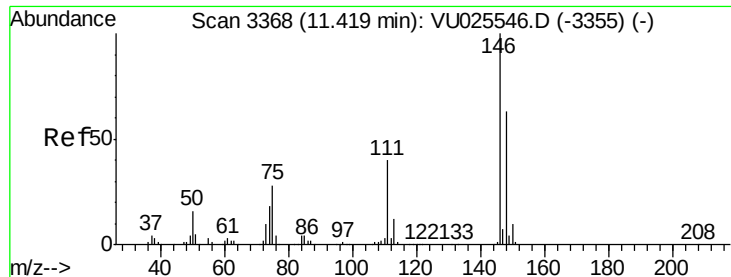
Tot Ion: 75 Resp: 142157
 Ion Ratio Lower Upper
 75 100
 77 31.8 25.8 38.8



#61
 Bromoform
 Concen: 49.004 ug/L
 RT: 9.96 min Scan# 2915
 Delta R.T. 0.00 min
 Lab File: VU025570.D
 Acq: 21 Jul 2018 02:14

Tgt Ion:173 Resp: 102310
 Ion Ratio Lower Upper
 173 100
 175 47.8 39.8 59.8
 254 9.4 7.3 10.9





#62

1,3-Dichlorobenzene

Concen: 49.062 ug/L

RT: 11.42 min Scan# 3368

Delta R.T. 0.00 min

Lab File: VU025570.D

Acq: 21 Jul 2018 02:14

Instrument :

MSVOA_U

ClientSampleId :

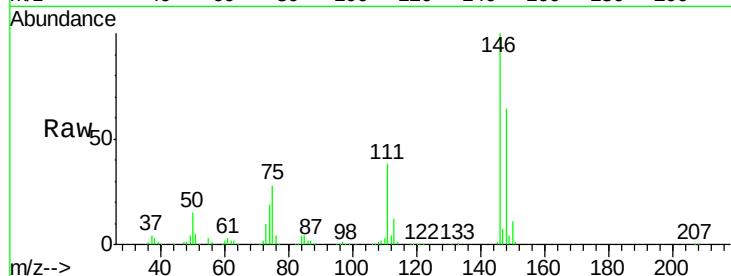
Tot Ion:146 Resp: 250488

Ion Ratio Lower Upper

146 100

111 38.3 27.7 51.5

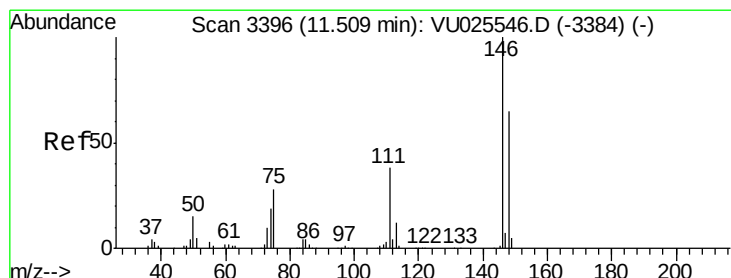
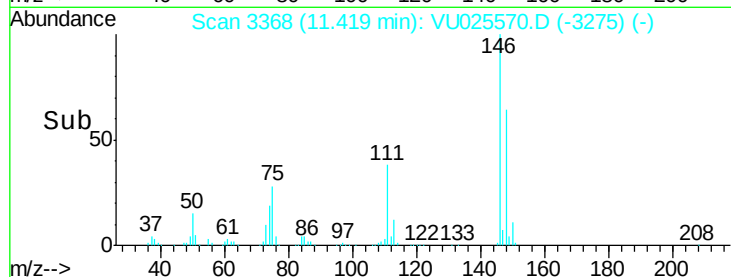
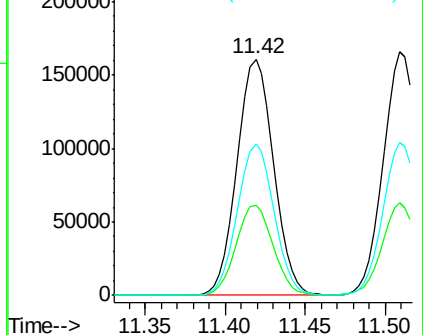
148 64.1 45.5 84.5



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#63

1,4-Dichlorobenzene

Concen: 49.071 ug/L

RT: 11.51 min Scan# 3396

Delta R.T. 0.00 min

Lab File: VU025570.D

Acq: 21 Jul 2018 02:14

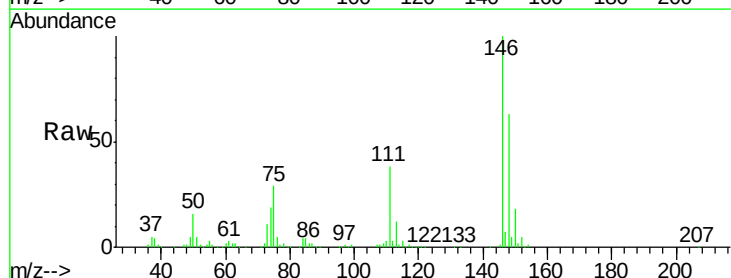
Tgt Ion:146 Resp: 255741

Ion Ratio Lower Upper

146 100

111 37.9 26.9 49.9

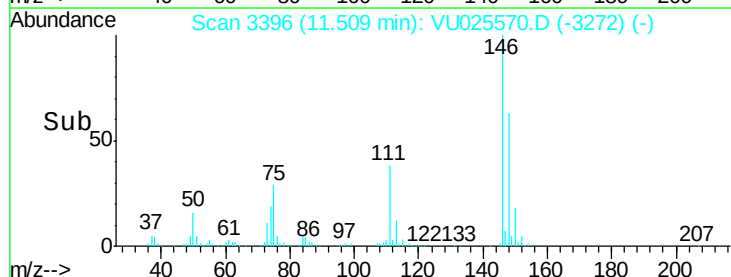
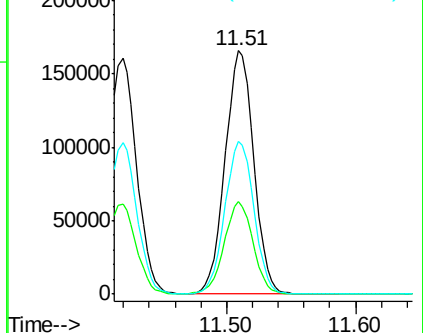
148 62.8 44.6 82.8

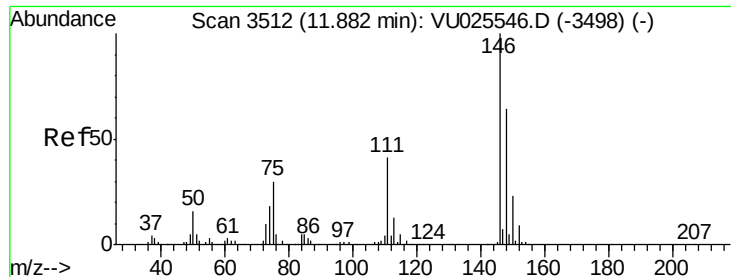


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

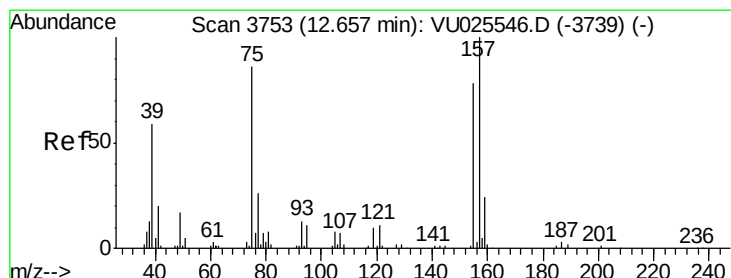
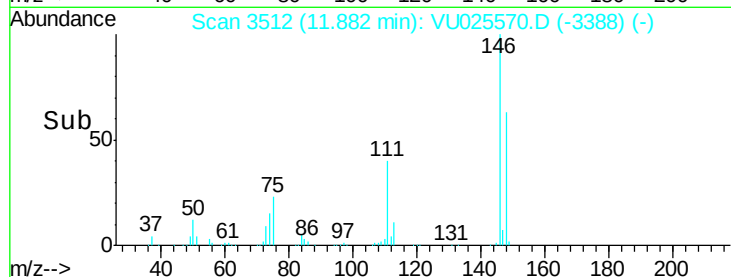
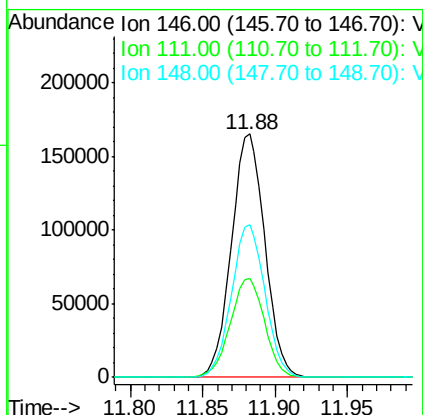
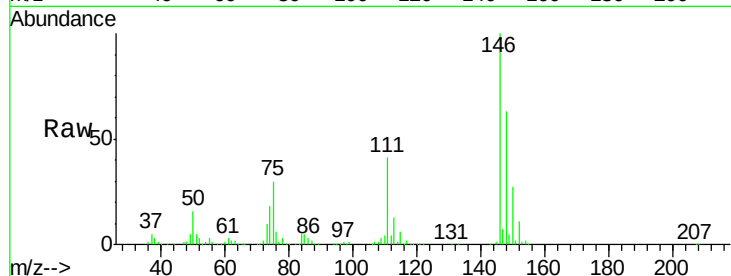




#65
 1,2-Dichlorobenzene
 Concen: 49.330 ug/L
 RT: 11.88 min Scan# 3512
 Delta R.T. 0.00 min
 Lab File: VU025570.D
 Acq: 21 Jul 2018 02:14

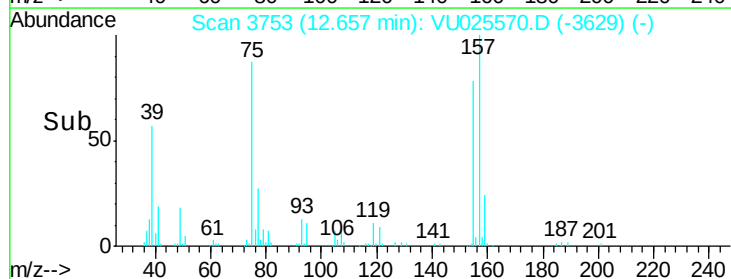
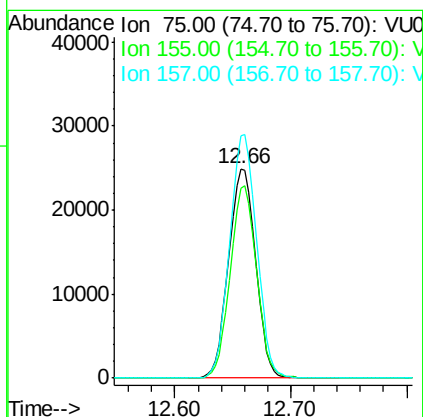
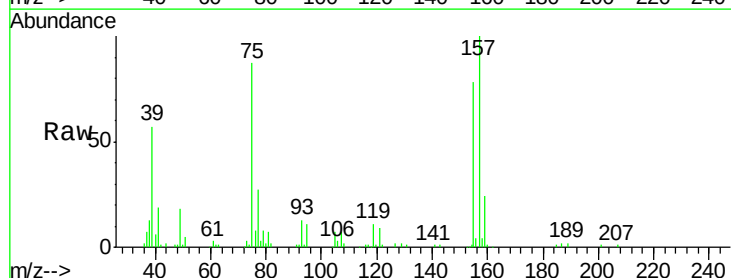
Instrument :
 MSVOA_U
 ClientSampleId :

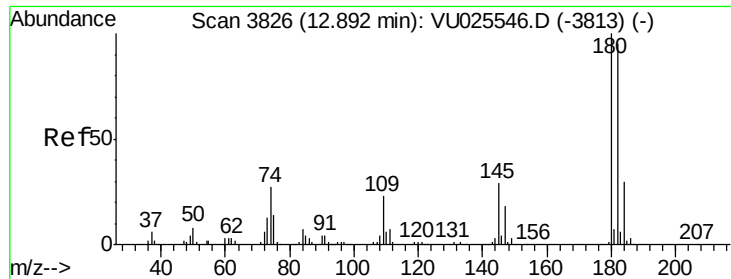
Tot Ion	Ratio	Lower	Upper
146	100		
111	40.6	32.4	48.6
148	62.7	50.7	76.1



#66
 1,2-Dibromo-3-chloropropane
 Concen: 47.721 ug/L
 RT: 12.66 min Scan# 3753
 Delta R.T. 0.00 min
 Lab File: VU025570.D
 Acq: 21 Jul 2018 02:14

Tgt Ion	Ratio	Lower	Upper
75	100		
155	90.4	66.3	99.5
157	115.4	91.5	137.3

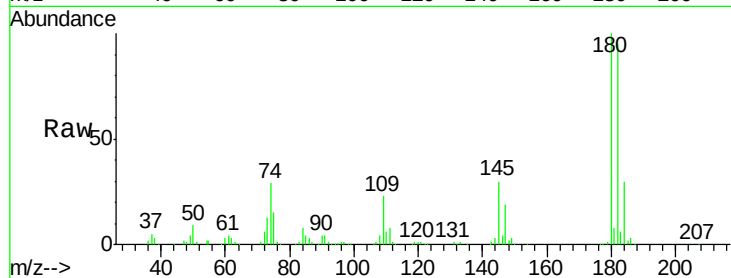




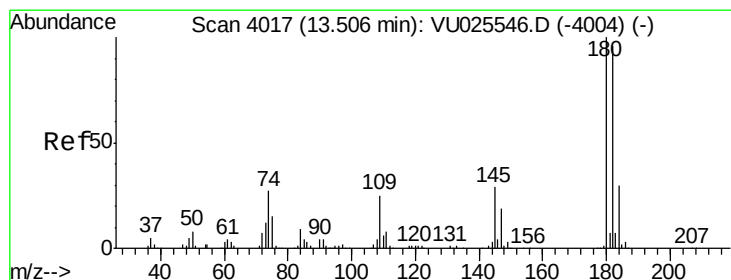
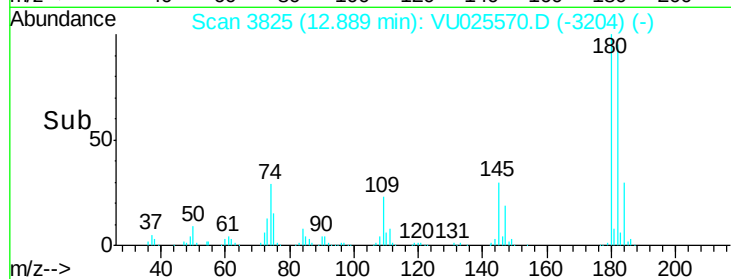
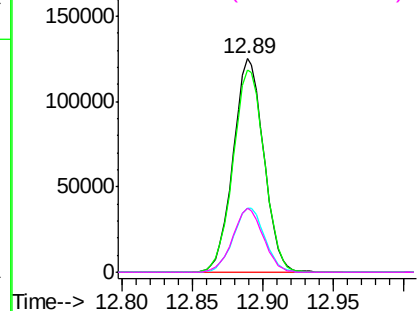
#67
 1,3,5-Trichlorobenzene
 Concen: 48.260 ug/L
 RT: 12.89 min Scan# 3825
 Delta R.T. -0.00 min
 Lab File: VU025570.D
 Acq: 21 Jul 2018 02:14

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion:180	Resp:	190191
Ion Ratio	Lower	Upper
180	100	
182	96.5	77.3 115.9
184	30.7	24.6 36.8
145	29.8	23.0 34.6

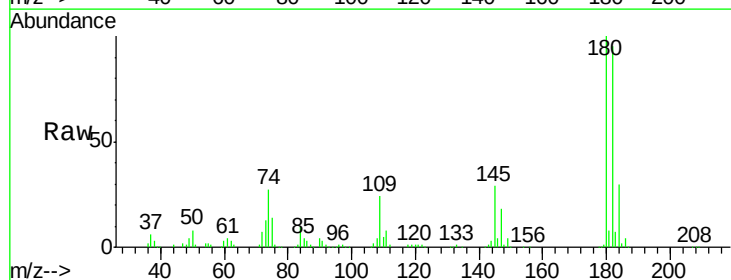


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

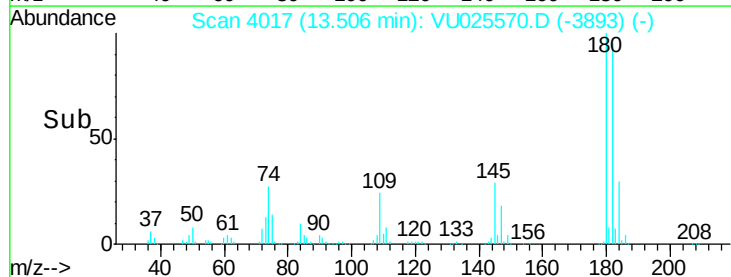
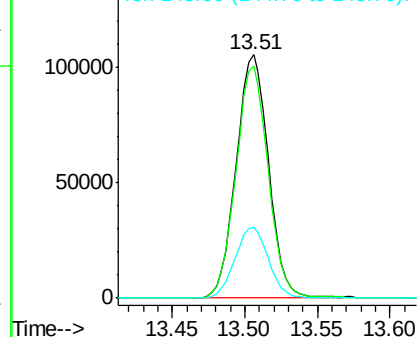


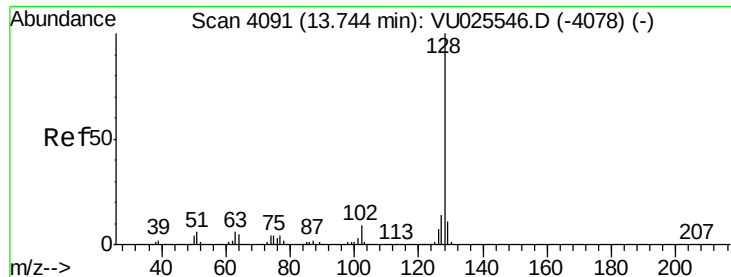
#68
 1,2,4-trichlorobenzene
 Concen: 49.455 ug/L
 RT: 13.51 min Scan# 4017
 Delta R.T. 0.00 min
 Lab File: VU025570.D
 Acq: 21 Jul 2018 02:14

Tgt Ion:180	Resp:	163804
Ion Ratio	Lower	Upper
180	100	
182	95.1	78.1 117.1
145	30.0	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: 50.806 ug/L

RT: 13.74 min Scan# 4091

Delta R.T. 0.00 min

Lab File: VU025570.D

Acq: 21 Jul 2018 02:14

Instrument :

MSVOA_U

ClientSampleId :

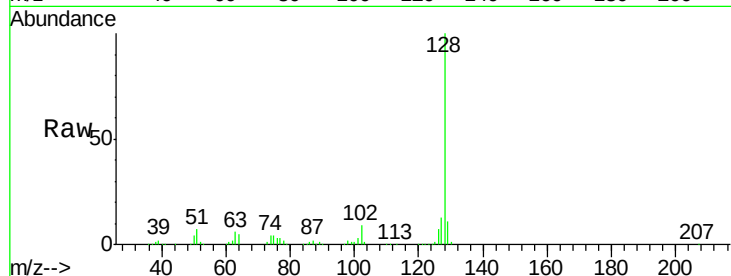
Tot Ion:128 Resp: 506052

Ion Ratio Lower Upper

128 100

127 12.7 10.2 15.4

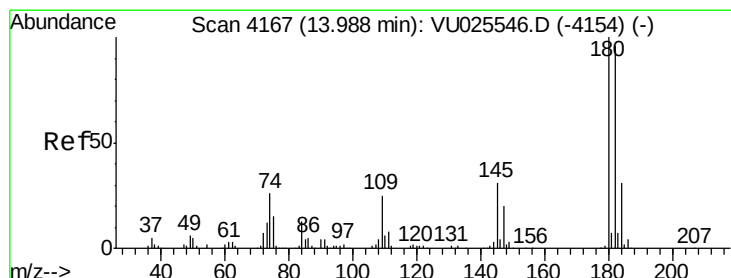
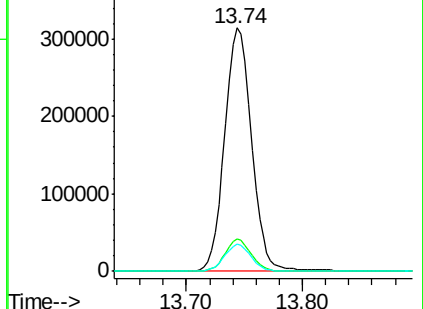
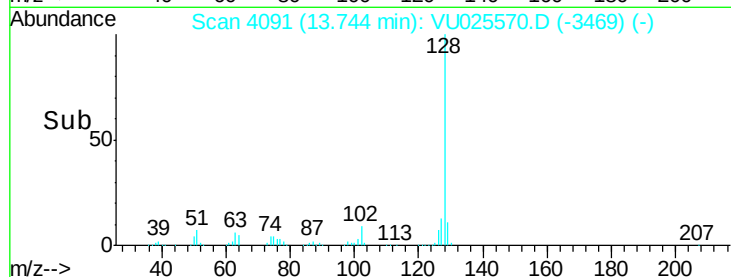
129 10.7 8.4 12.6



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: 50.118 ug/L

RT: 13.99 min Scan# 4167

Delta R.T. 0.00 min

Lab File: VU025570.D

Acq: 21 Jul 2018 02:14

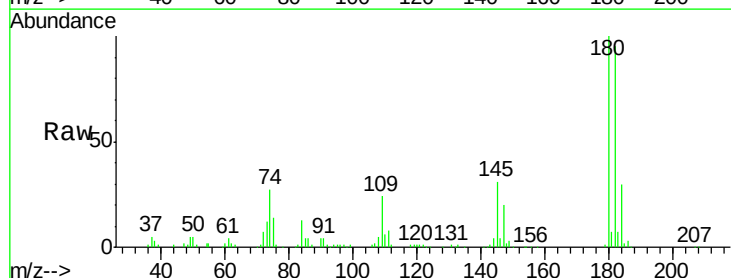
Tgt Ion:180 Resp: 175477

Ion Ratio Lower Upper

180 100

182 94.6 76.6 114.8

145 31.0 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

