

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U120318\
 Data File : VU028428.D
 Acq On : 03 Dec 2018 09:50
 Operator : MD/SY
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

Quant Time: Dec 04 06:50:59 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U112818W.M
 Quant Title : SW846 8260
 QLast Update : Thu Nov 29 01:04:49 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.98	168	315698	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	536591	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	502849	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	253644	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.31	65	231733	43.92	ug/l	0.00
Spiked Amount	50.000		Recovery	=	87.84%	
35) Dibromofluoromethane	4.88	113	170386	47.75	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.50%	
50) Toluene-d8	7.57	98	686268	48.09	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.18%	
62) 4-Bromofluorobenzene	10.30	95	260183	50.59	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.18%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.21	85	194874	46.015	ug/l	100
3) Chloromethane	1.33	50	348638	42.471	ug/l	99
4) Vinyl Chloride	1.40	62	265577	46.240	ug/l	99
5) Bromomethane	1.62	94	102560	46.170	ug/l	99
6) Chloroethane	1.69	64	150438	45.520	ug/l	97
7) Trichlorofluoromethane	1.88	101	285159	47.799	ug/l	100
8) Diethyl Ether	2.10	74	130628	47.102	ug/l	92
9) 1,1,2-Trichlorotrifluoroet	2.29	101	172531	49.645	ug/l	99
10) Methyl Iodide	2.41	142	118579	36.183	ug/l	96
11) Tert butyl alcohol	2.82	59	278749	232.556	ug/l	98
12) 1,1-Dichloroethene	2.28	96	168270	49.893	ug/l	92
13) Acrolein	2.19	56	228936	214.841	ug/l	99
14) Allyl chloride	2.59	41	378567	42.962	ug/l	97
15) Acrylonitrile	2.94	53	732070	230.891	ug/l	100
16) Acetone	2.32	43	916038	283.820	ug/l	100
17) Carbon Disulfide	2.48	76	570440	44.066	ug/l	99
18) Methyl Acetate	2.61	43	407591	45.358	ug/l	98
19) Methyl tert-butyl Ether	3.00	73	652117	47.163	ug/l	97
20) Methylene Chloride	2.70	84	211627	46.483	ug/l	93
21) trans-1,2-Dichloroethene	2.98	96	189177	48.366	ug/l	93
22) Diisopropyl ether	3.57	45	792292	45.670	ug/l	98
23) Vinyl Acetate	3.52	43	3281052	227.534	ug/l	99
24) 1,1-Dichloroethane	3.45	63	400661	46.843	ug/l	99
25) 2-Butanone	4.26	43	1163030	251.436	ug/l	98
26) 2,2-Dichloropropane	4.23	77	321964	47.397	ug/l	99
27) cis-1,2-Dichloroethene	4.23	96	217101	46.933	ug/l	96
28) Bromochloromethane	4.55	49	191085	44.679	ug/l	94
29) Tetrahydrofuran	4.64	42	683172	227.480	ug/l	97
30) Chloroform	4.67	83	361291	45.763	ug/l	97
31) Cyclohexane	5.00	56	392081	44.613	ug/l	98
32) 1,1,1-Trichloroethane	4.92	97	296210	46.757	ug/l	99
36) 1,1-Dichloropropene	5.14	75	285485	48.619	ug/l	99
37) Ethyl Acetate	4.38	43	386642	48.318	ug/l	98
38) Carbon Tetrachloride	5.13	117	238683	49.501	ug/l	98

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 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U112818W.M
 Quant Title : SW846 8260
 QLast Update : Thu Nov 29 01:04:49 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.41	83	355372	51.332	ug/l	97
40) Benzene	5.39	78	861975	49.564	ug/l	100
41) Methacrylonitrile	4.54	41	214987	48.379	ug/l	96
42) 1,2-Dichloroethane	5.40	62	298155	47.590	ug/l	98
43) Isopropyl Acetate	5.55	43	611530	48.227	ug/l	97
44) Trichloroethene	6.19	130	191563	51.388	ug/l	97
45) 1,2-Dichloropropane	6.43	63	245998	48.303	ug/l	100
46) Dibromomethane	6.56	93	146498	50.079	ug/l	99
47) Bromodichloromethane	6.76	83	282402	48.534	ug/l	98
48) Methyl methacrylate	6.62	41	311240	47.120	ug/l	98
49) 1,4-Dioxane	6.61	88	108923	1032.252	ug/l	94
51) 4-Methyl-2-Pentanone	7.46	43	1922373	237.366	ug/l	97
52) Toluene	7.64	92	516382	51.563	ug/l	98
53) t-1,3-Dichloropropene	7.88	75	346780	49.841	ug/l	98
54) cis-1,3-Dichloropropene	7.27	75	370044	49.645	ug/l	97
55) 1,1,2-Trichloroethane	8.07	97	201619	48.374	ug/l	98
56) Ethyl methacrylate	8.02	69	354295	49.967	ug/l	99
57) 1,3-Dichloropropane	8.24	76	370832	48.517	ug/l	100
58) 2-Chloroethyl Vinyl ether	7.13	63	909427	238.894	ug/l	98
59) 2-Hexanone	8.36	43	1585468	252.732	ug/l	98
60) Dibromochloromethane	8.48	129	198905	50.178	ug/l	100
61) 1,2-Dibromoethane	8.58	107	220882	51.744	ug/l	98
64) Tetrachloroethene	8.22	164	164013	49.585	ug/l	98
65) Chlorobenzene	9.12	112	531562	50.910	ug/l	98
66) 1,1,1,2-Tetrachloroethane	9.21	131	177651	49.637	ug/l	99
67) Ethyl Benzene	9.25	91	1005585	51.135	ug/l	98
68) m/p-Xylenes	9.37	106	733491	103.626	ug/l	98
69) o-Xylene	9.78	106	358579	50.960	ug/l	97
70) Styrene	9.79	104	593104	52.264	ug/l	99
71) Bromoform	9.96	173	153107	50.896	ug/l #	99
73) Isopropylbenzene	10.17	105	941575	47.730	ug/l	99
74) N-amyl acetate	10.01	43	538158	43.541	ug/l	98
75) 1,1,2,2-Tetrachloroethane	10.46	83	371481	45.792	ug/l	100
76) 1,2,3-Trichloropropane	10.49	75	447613	63.638	ug/l	79
77) Bromobenzene	10.45	156	221461	47.643	ug/l	95
78) n-propylbenzene	10.58	91	1196260	49.156	ug/l	98
79) 2-Chlorotoluene	10.66	91	679617	47.373	ug/l	99
80) 1,3,5-Trimethylbenzene	10.77	105	798527	48.034	ug/l	99
81) trans-1,4-Dichloro-2-buten	10.49	75	448732	169.348	ug/l #	100
82) 4-Chlorotoluene	10.77	91	803323	48.601	ug/l	99
83) tert-Butylbenzene	11.10	119	762029	49.173	ug/l	99
84) 1,2,4-Trimethylbenzene	11.15	105	818954	48.637	ug/l	98
85) sec-Butylbenzene	11.32	105	988587	49.115	ug/l	99
86) p-Isopropyltoluene	11.48	119	840365	50.776	ug/l	99
87) 1,3-Dichlorobenzene	11.41	146	417956	49.299	ug/l	99
88) 1,4-Dichlorobenzene	11.51	146	426626	50.001	ug/l	99
89) n-Butylbenzene	11.89	91	874351	53.529	ug/l	99
90) Hexachloroethane	12.14	117	127615	49.389	ug/l	99
91) 1,2-Dichlorobenzene	11.88	146	415376	49.107	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.66	75	84234	46.681	ug/l	96

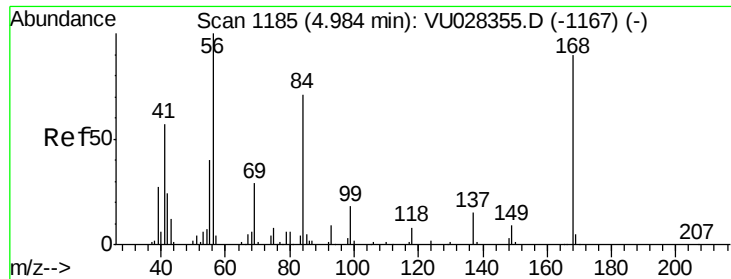
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA U\DATA\VU120318\
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_U\METHOD\82U112818W.M
Quant Title : SW846 8260
QLast Update : Thu Nov 29 01:04:49 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.50	180	308719	55.758	ug/l	99
94) Hexachlorobutadiene	13.69	225	135101	51.675	ug/l	97
95) Naphthalene	13.74	128	1030518	48.371	ug/l	99
96) 1,2,3-Trichlorobenzene	13.99	180	302677	54.052	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.98 min Scan# 1185

Delta R.T. 0.00 min

Lab File: VU028428.D

Acq: 03 Dec 2018 09:50

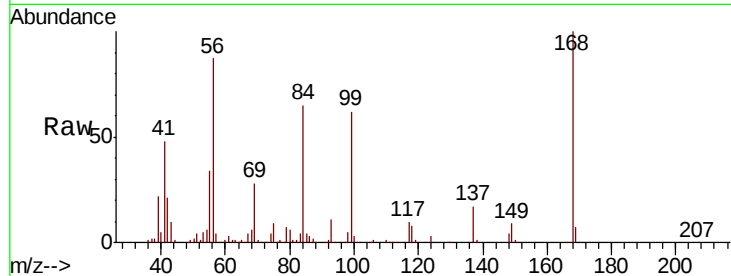
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion:168 Resp: 315698

Ion Ratio Lower Upper

168 100

99 61.7 49.6 74.4



Abundance Ion 167.90 (167.60 to 168.60): VU028355.D (-1167) (-)

Ion 98.90 (98.60 to 99.60): VU028355.D (-1167) (-)

4.98

150000

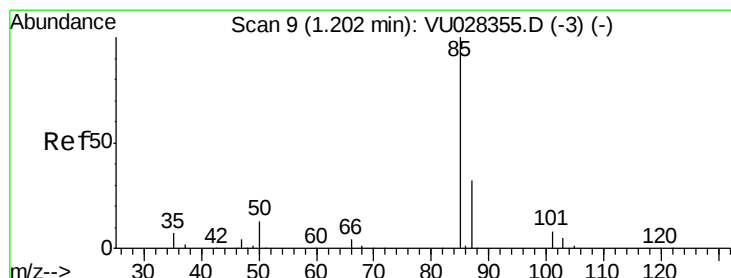
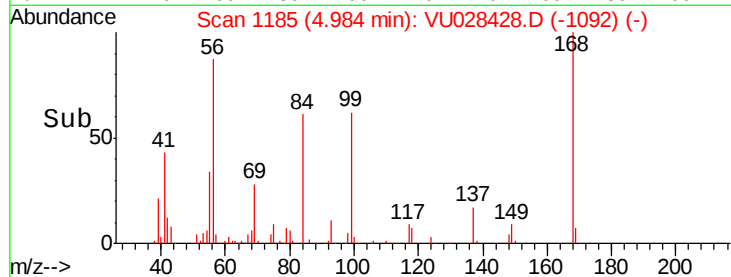
100000

50000

0

4.90 5.00 5.10

Time-->



#2

Dichlorodifluoromethane

Concen: 46.015 ug/l

RT: 1.21 min Scan# 10

Delta R.T. 0.00 min

Lab File: VU028428.D

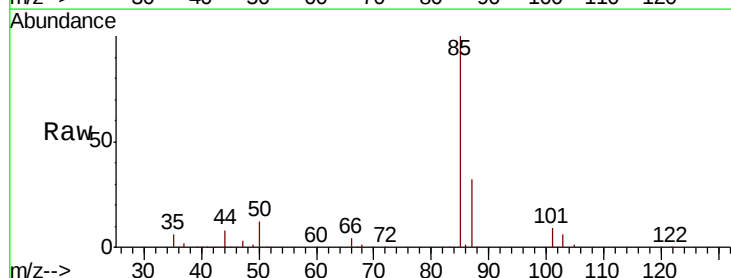
Acq: 03 Dec 2018 09:50

Tgt Ion: 85 Resp: 194874

Ion Ratio Lower Upper

85 100

87 31.9 15.9 47.7



Abundance Ion 84.90 (84.60 to 85.60): VU028355.D (-3) (-)

Ion 86.90 (86.60 to 87.60): VU028355.D (-3) (-)

1.21

200000

150000

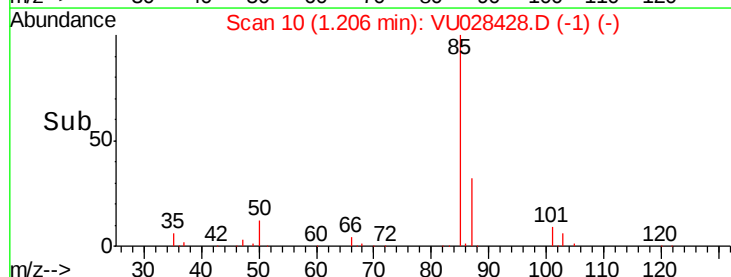
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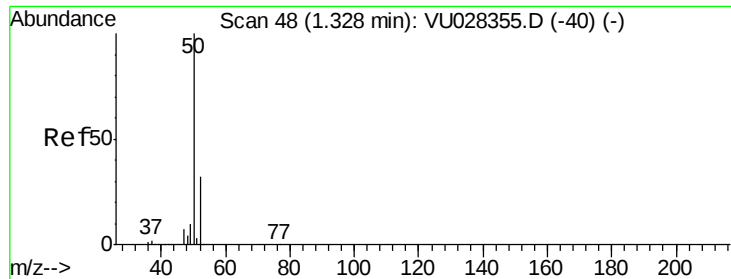
50000

0

1.15 1.20 1.25

Time-->





#3

Chloromethane

Concen: 42.471 ug/l

RT: 1.33 min Scan# 48

Delta R.T. 0.00 min

Lab File: VU028428.D

Acq: 03 Dec 2018 09:50

Instrument :

MSVOA_U

ClientSampleId :

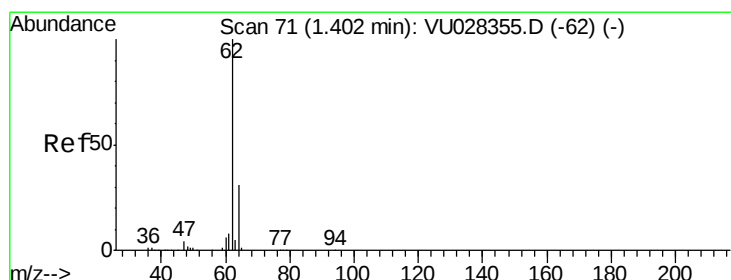
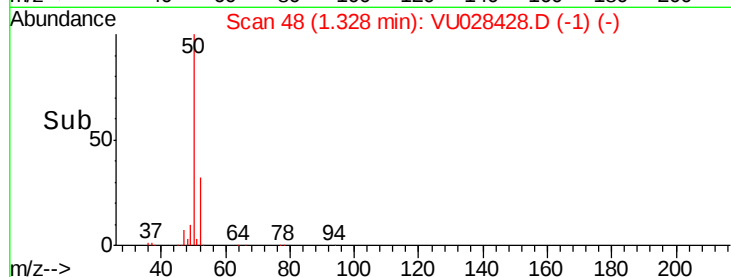
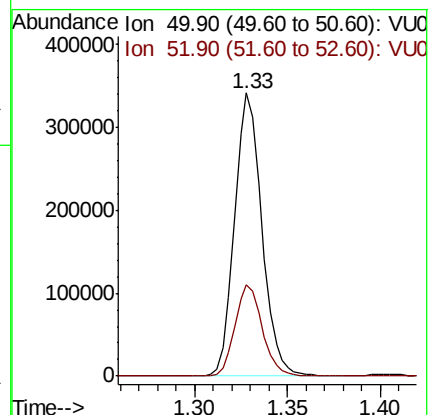
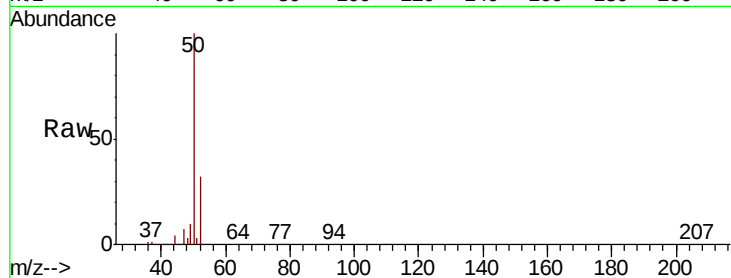
VSTDCCC050

Tot Ion: 50 Resp: 348638

Ion Ratio Lower Upper

50 100

52 32.4 25.4 38.2



#4

Vinyl Chloride

Concen: 46.240 ug/l

RT: 1.40 min Scan# 71

Delta R.T. 0.00 min

Lab File: VU028428.D

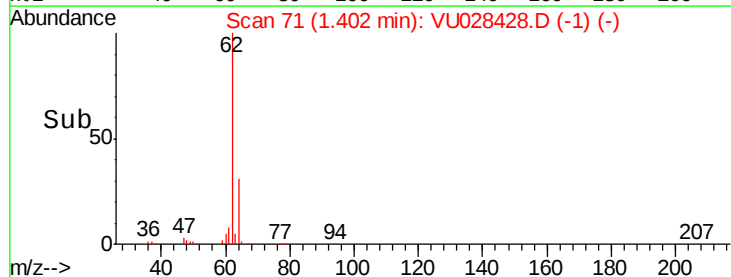
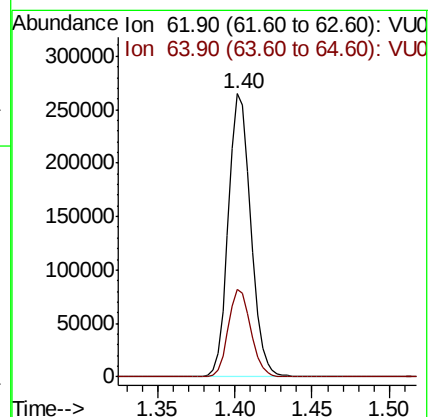
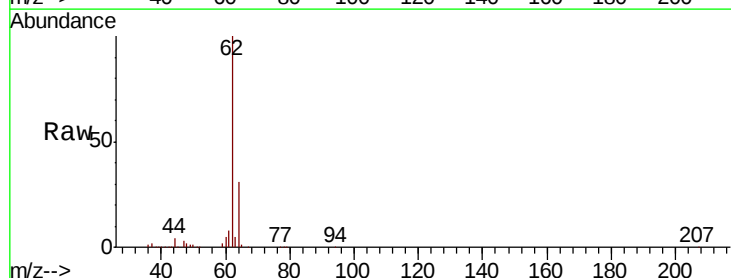
Acq: 03 Dec 2018 09:50

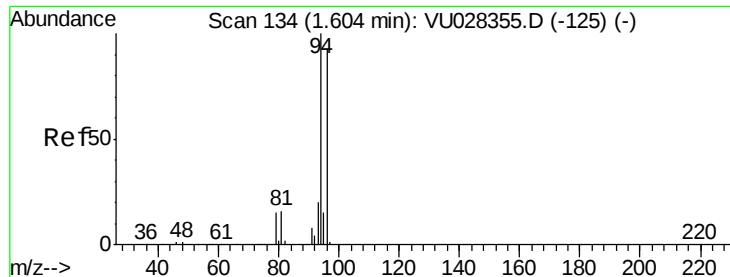
Tgt Ion: 62 Resp: 265577

Ion Ratio Lower Upper

62 100

64 30.8 25.0 37.4





#5

Bromomethane

Concen: 46.170 ug/l

RT: 1.62 min Scan# 138

Delta R.T. 0.01 min

Lab File: VU028428.D

Acq: 03 Dec 2018 09:50

Instrument :

MSVOA_U

ClientSampleId :

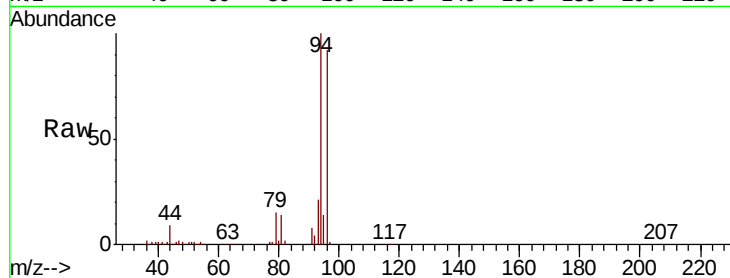
VSTDCCC050

Tot Ion: 94 Resp: 102560

Ion Ratio Lower Upper

94 100

96 92.4 74.6 112.0



Abundance Ion 93.90 (93.60 to 94.60): VU0

Ion 95.90 (95.60 to 96.60): VU0

1.62

80000

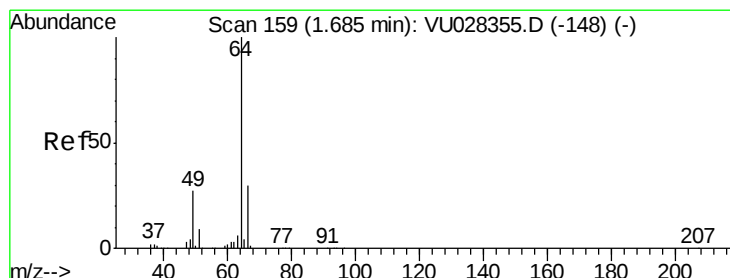
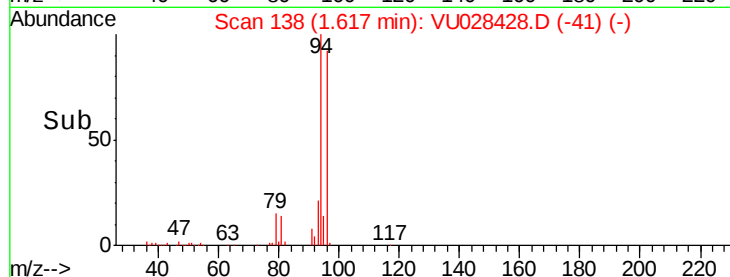
60000

40000

20000

0

Time--> 1.55 1.60 1.65 1.70



#6

Chloroethane

Concen: 45.520 ug/l

RT: 1.69 min Scan# 162

Delta R.T. 0.01 min

Lab File: VU028428.D

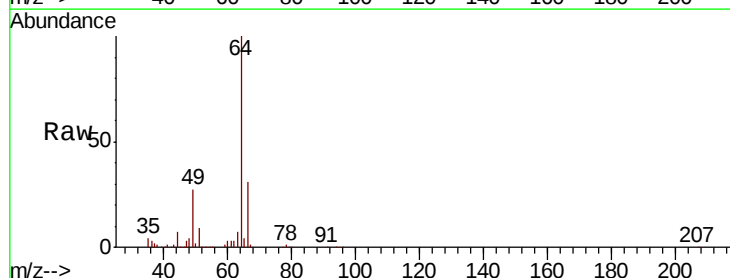
Acq: 03 Dec 2018 09:50

Tgt Ion: 64 Resp: 150438

Ion Ratio Lower Upper

64 100

66 31.1 23.6 35.4



Abundance Ion 63.90 (63.60 to 64.60): VU0

Ion 65.90 (65.60 to 66.60): VU0

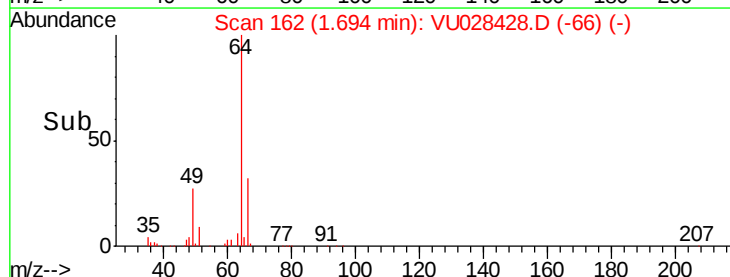
1.69

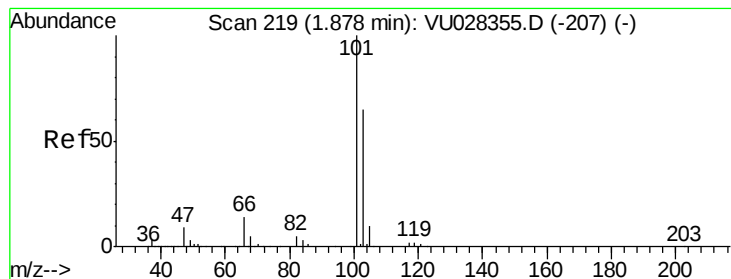
100000

50000

0

Time--> 1.60 1.65 1.70 1.75 1.80



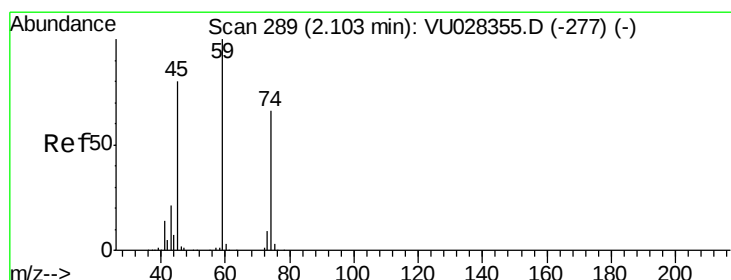
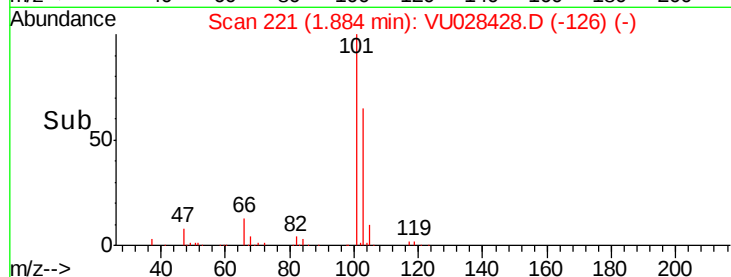
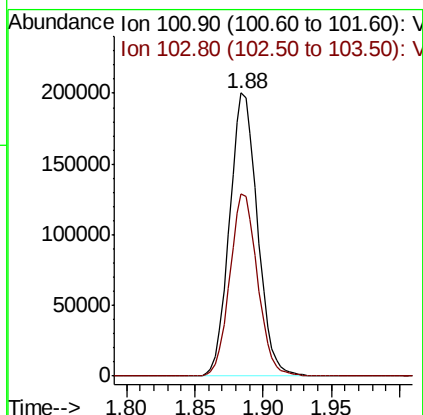
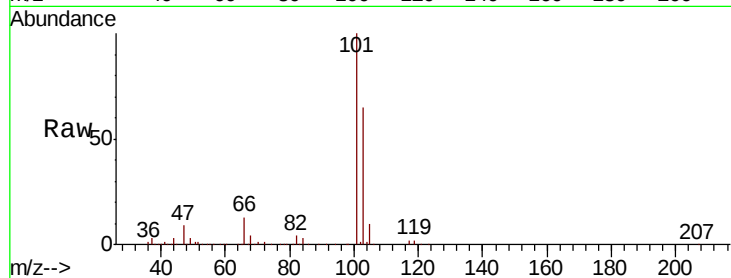


#7

Trichlorofluoromethane
Concen: 47.799 ug/l
RT: 1.88 min Scan# 221
Delta R.T. 0.01 min
Lab File: VU028428.D
Acq: 03 Dec 2018 09:50

Instrument :
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ClientSampleId :
VSTDCCC050

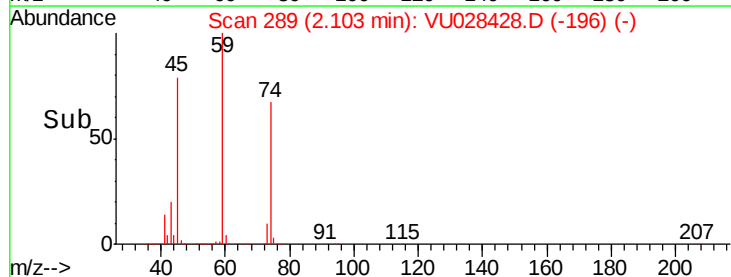
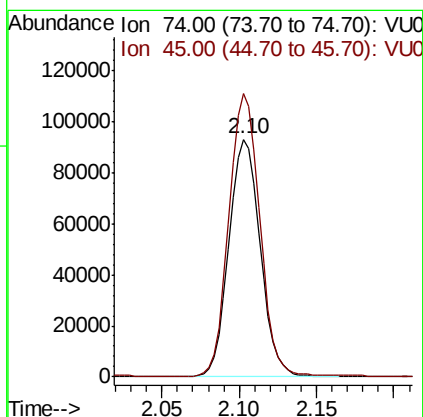
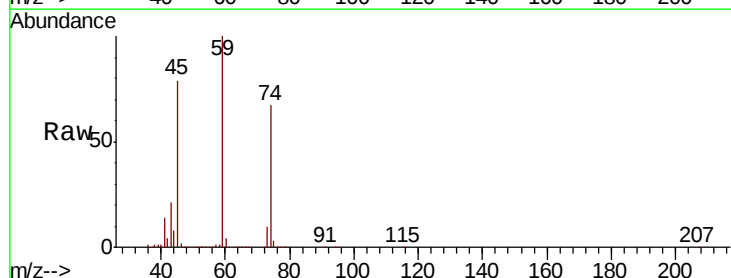
Tot Ion:101 Resp: 285159
Ion Ratio Lower Upper
101 100
103 64.5 51.6 77.4

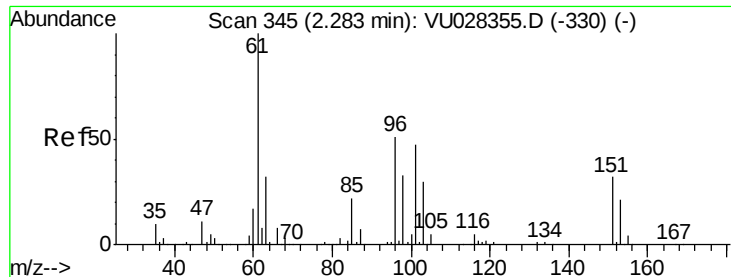


#8

Diethyl Ether
Concen: 47.102 ug/l
RT: 2.10 min Scan# 289
Delta R.T. 0.00 min
Lab File: VU028428.D
Acq: 03 Dec 2018 09:50

Tgt Ion: 74 Resp: 130628
Ion Ratio Lower Upper
74 100
45 117.2 63.0 189.1





#9

1,1,2-Trichlorotrifluoroethane

Concen: 49.645 ug/l

RT: 2.29 min Scan# 346

Delta R.T. 0.00 min

Lab File: VU028428.D

Acq: 03 Dec 2018 09:50

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

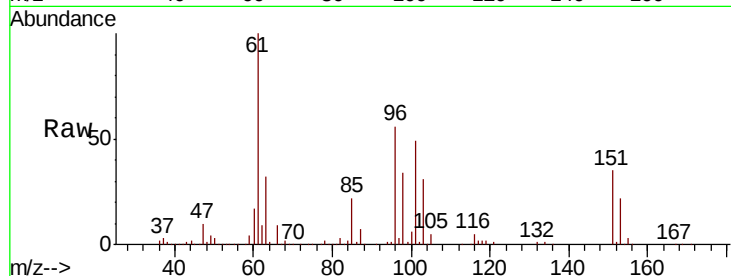
Tot Ion:101 Resp: 172531

Ion Ratio Lower Upper

101 100

85 44.5 37.2 55.8

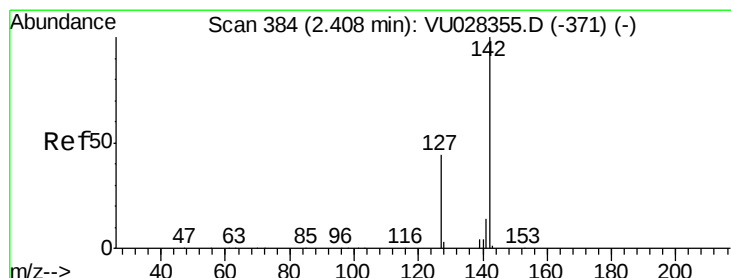
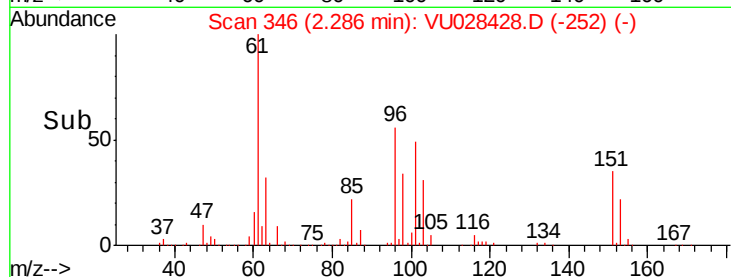
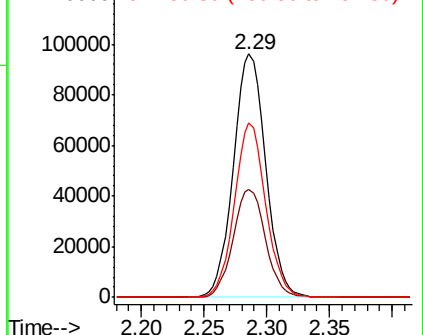
151 69.4 55.4 83.0



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VU0

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 36.183 ug/l

RT: 2.41 min Scan# 385

Delta R.T. 0.00 min

Lab File: VU028428.D

Acq: 03 Dec 2018 09:50

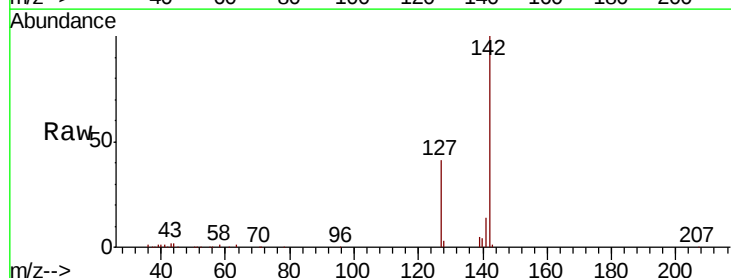
Tgt Ion:142 Resp: 118579

Ion Ratio Lower Upper

142 100

127 40.8 35.0 52.6

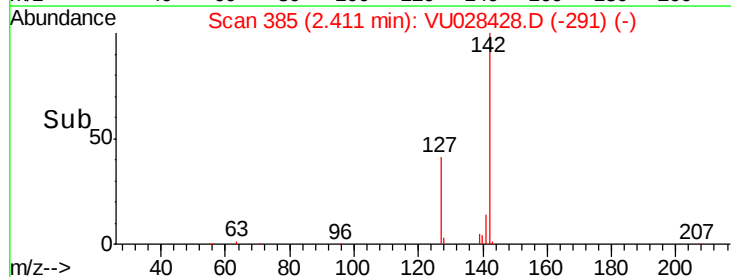
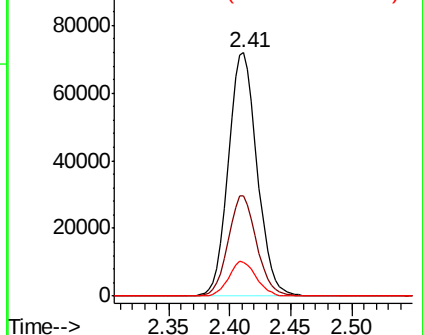
141 13.8 11.2 16.8

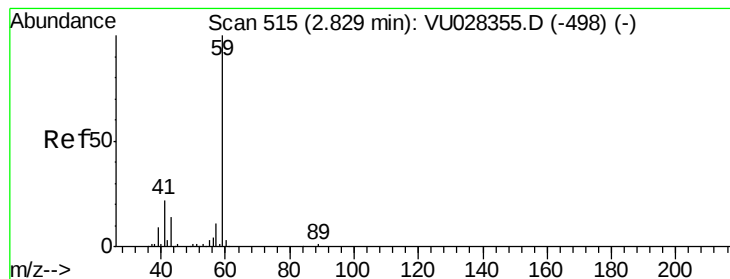


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



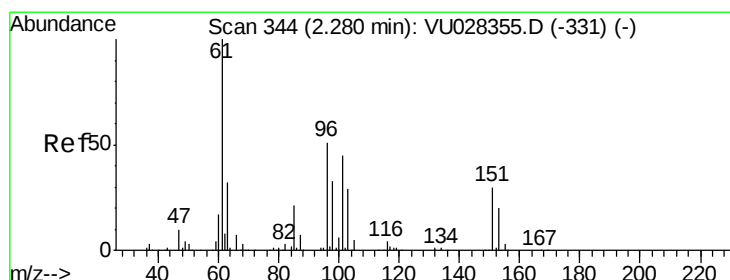
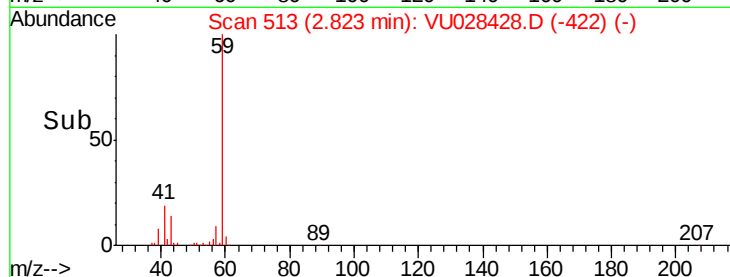
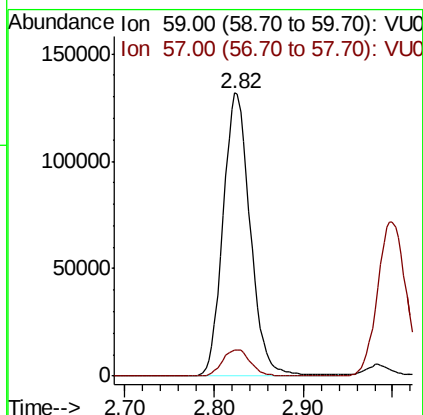
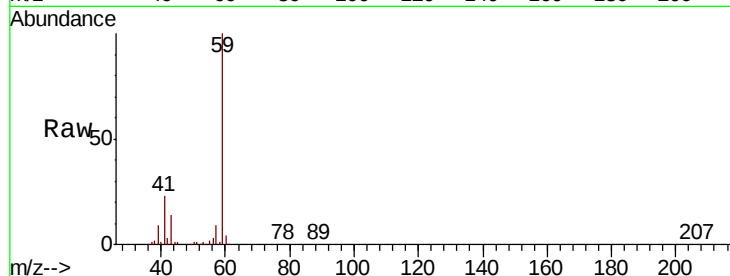


#11

Tert butyl alcohol
 Concen: 232.556 ug/l
 RT: 2.82 min Scan# 513
 Delta R.T. -0.01 min
 Lab File: VU028428.D
 Acq: 03 Dec 2018 09:50

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

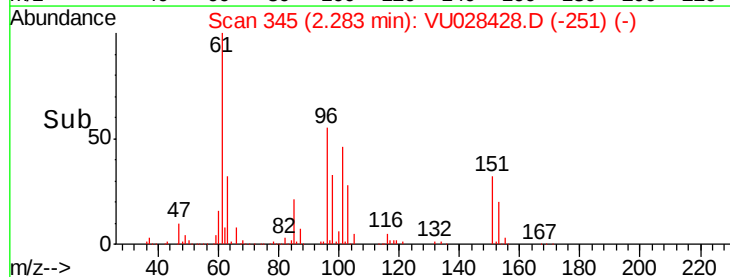
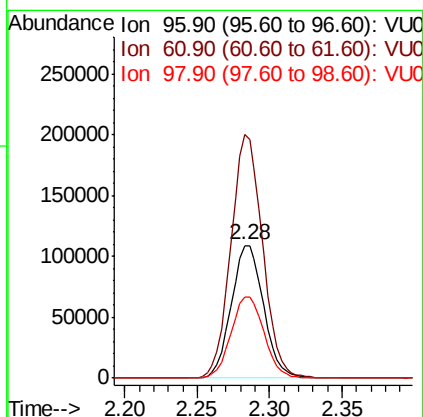
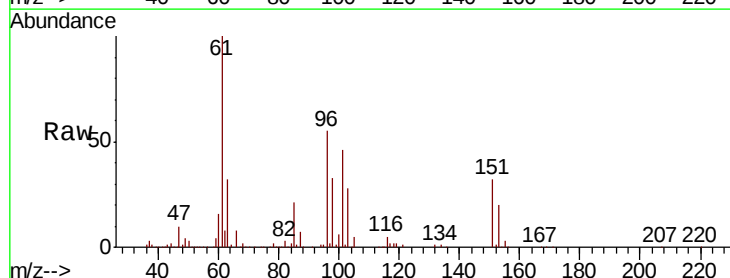
Tot Ion: 59 Resp: 278749
 Ion Ratio Lower Upper
 59 100
 57 9.6 8.3 12.5

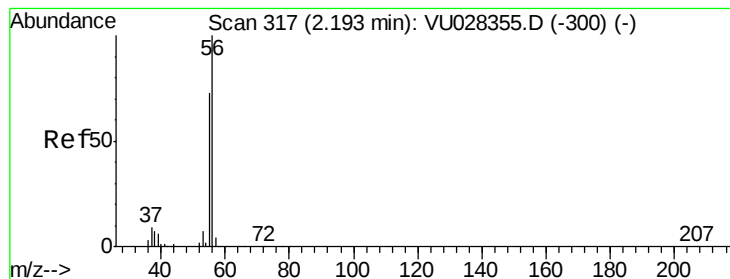


#12

1,1-Dichloroethene
 Concen: 49.893 ug/l
 RT: 2.28 min Scan# 345
 Delta R.T. 0.00 min
 Lab File: VU028428.D
 Acq: 03 Dec 2018 09:50

Tgt Ion: 96 Resp: 168270
 Ion Ratio Lower Upper
 96 100
 61 183.4 158.1 237.1
 98 60.9 51.4 77.2





#13

Acrolein

Concen: 214.841 ug/l

RT: 2.19 min Scan# 317

Delta R.T. 0.00 min

Lab File: VU028428.D

Acq: 03 Dec 2018 09:50

Instrument :

MSVOA_U

ClientSampleId :

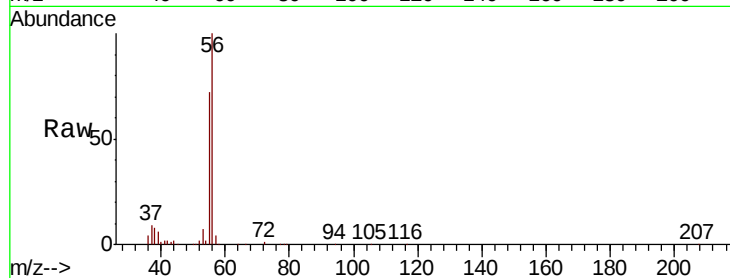
VSTDCCC050

Tot Ion: 56 Resp: 228936

Ion Ratio Lower Upper

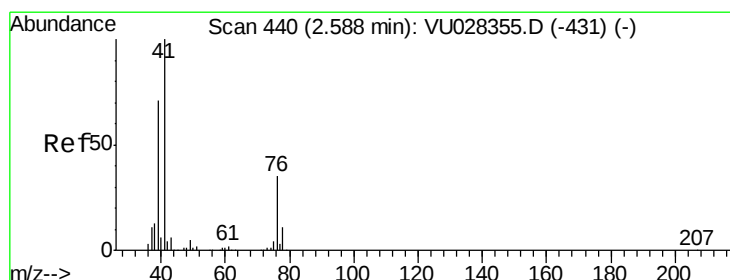
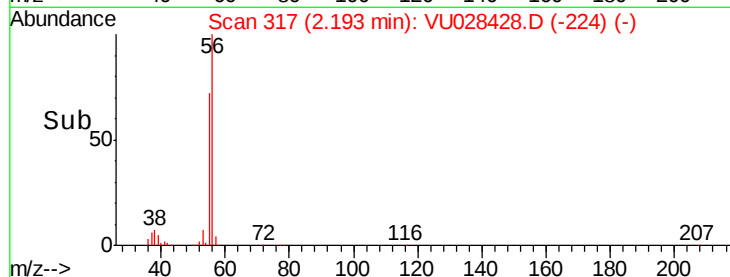
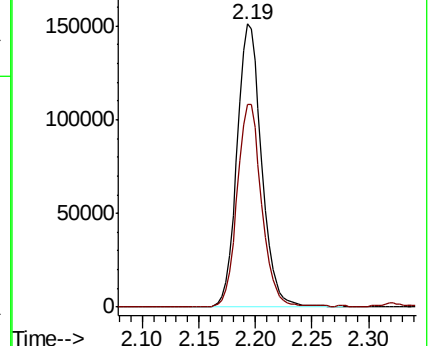
56 100

55 71.5 56.6 85.0



Abundance Ion 56.00 (55.70 to 56.70): VU0

Ion 55.00 (54.70 to 55.70): VU0



#14

Allyl chloride

Concen: 42.962 ug/l

RT: 2.59 min Scan# 441

Delta R.T. 0.00 min

Lab File: VU028428.D

Acq: 03 Dec 2018 09:50

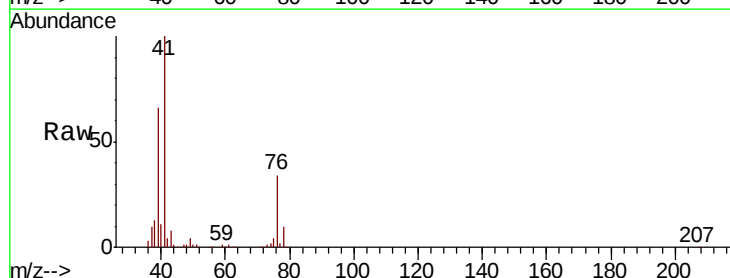
Tgt Ion: 41 Resp: 378567

Ion Ratio Lower Upper

41 100

39 66.2 51.6 77.4

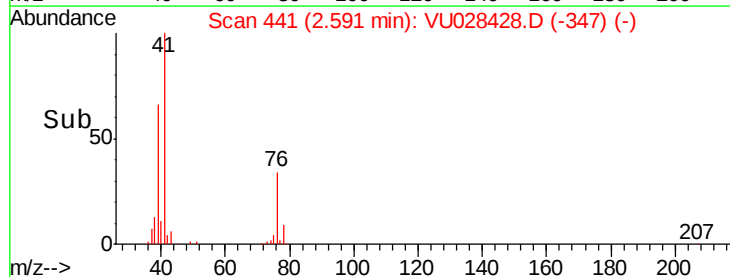
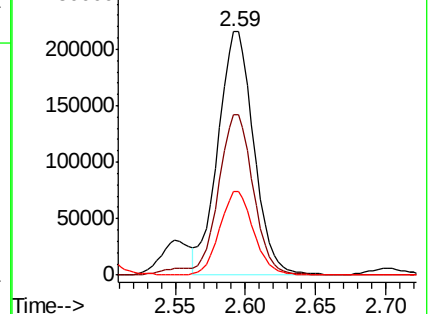
76 32.5 24.4 36.6

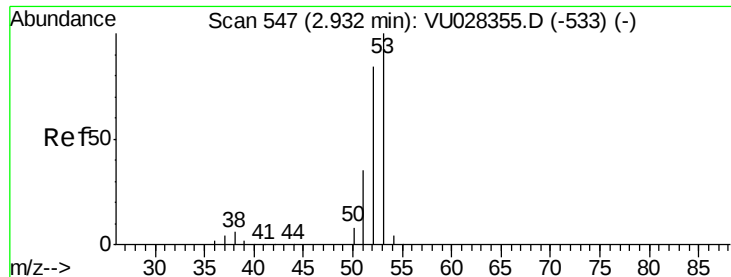


Abundance Ion 41.00 (40.70 to 41.70): VU0

Ion 39.00 (38.70 to 39.70): VU0

Ion 75.90 (75.60 to 76.60): VU0





#15

Acrylonitrile

Concen: 230.891 ug/l

RT: 2.94 min Scan# 548

Delta R.T. 0.00 min

Lab File: VU028428.D

Acq: 03 Dec 2018 09:50

Instrument :

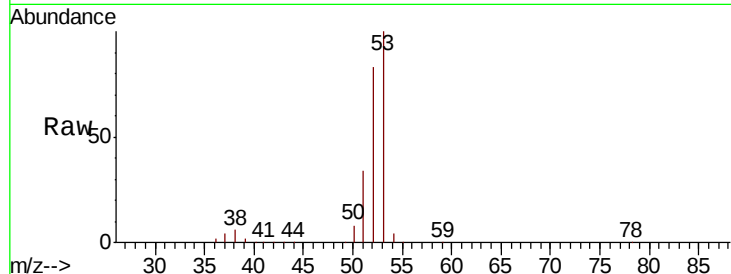
MSVOA_U

ClientSampleId :

VSTDCCC050

Tot Ion: 53 Resp: 732070

Ion	Ratio	Lower	Upper
53	100		
52	82.3	65.7	98.5
51	34.6	27.8	41.6

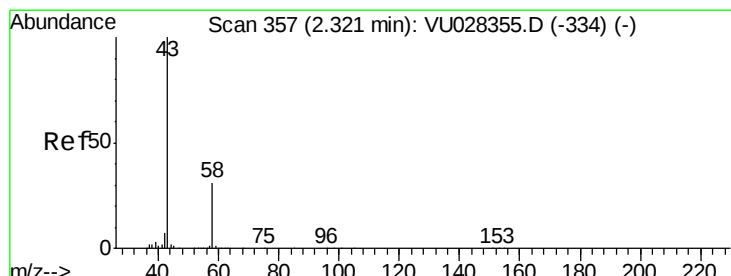
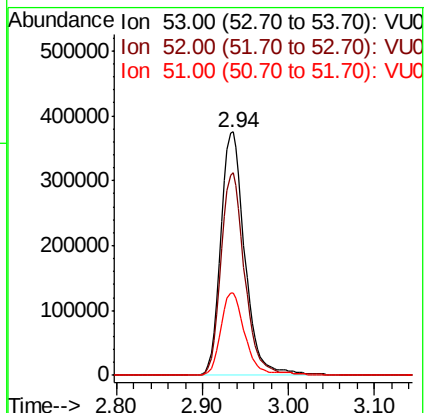
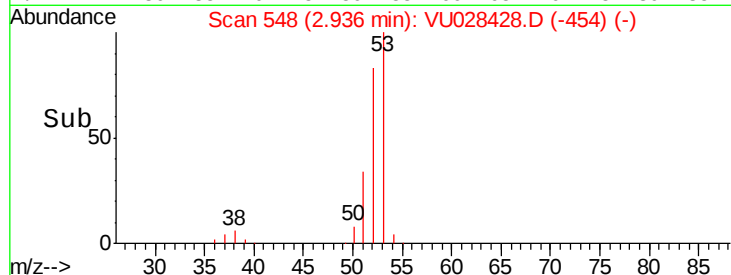


Abundance

Ion 53.00 (52.70 to 53.70): VU0

Ion 52.00 (51.70 to 52.70): VU0

Ion 51.00 (50.70 to 51.70): VU0



#16

Acetone

Concen: 283.820 ug/l

RT: 2.32 min Scan# 357

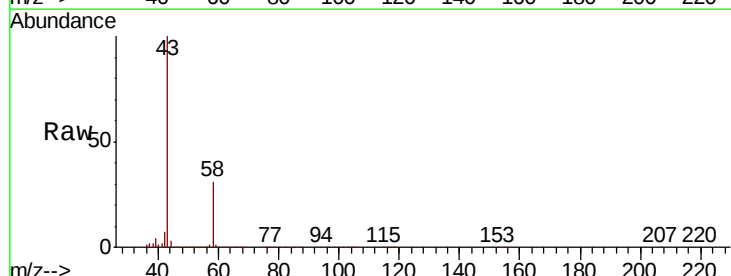
Delta R.T. 0.00 min

Lab File: VU028428.D

Acq: 03 Dec 2018 09:50

Tgt Ion: 43 Resp: 916038

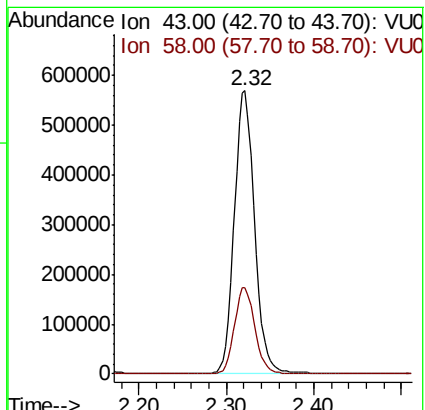
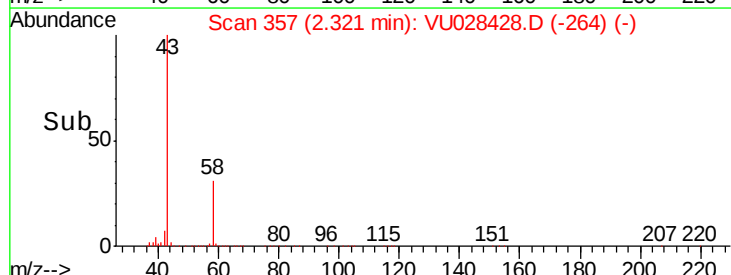
Ion	Ratio	Lower	Upper
43	100		
58	30.5	24.4	36.6

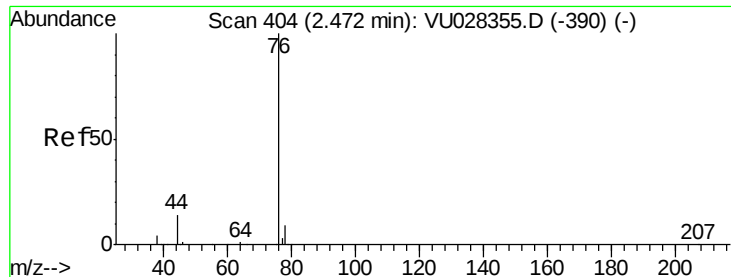


Abundance

Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0

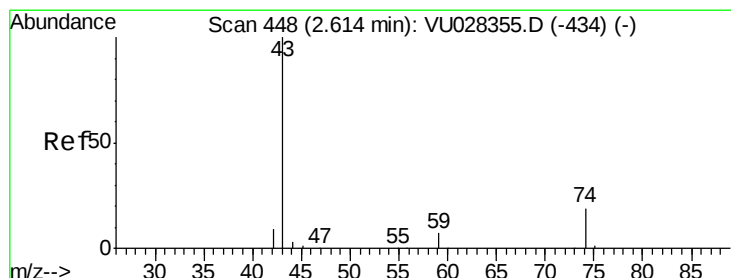
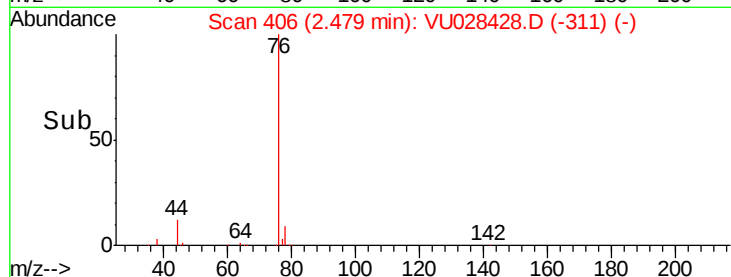
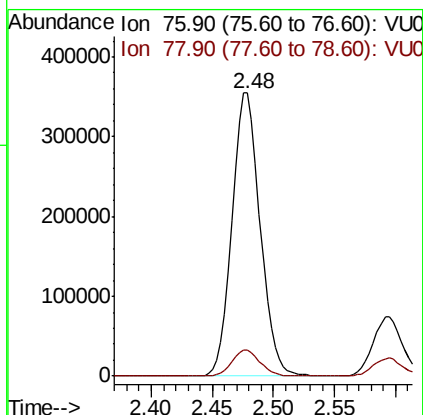
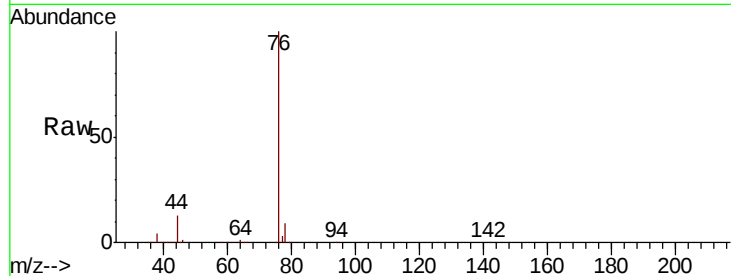




#17
Carbon Disulfide
Concen: 44.066 ug/l
RT: 2.48 min Scan# 406
Delta R.T. 0.01 min
Lab File: VU028428.D
Acq: 03 Dec 2018 09:50

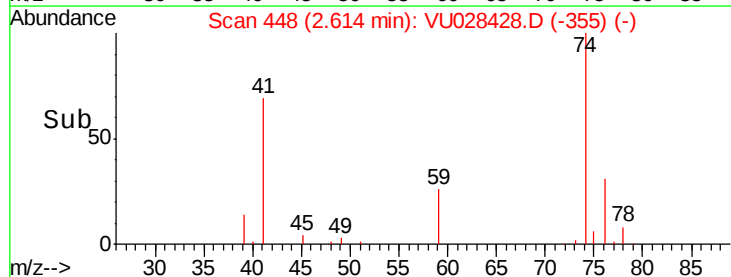
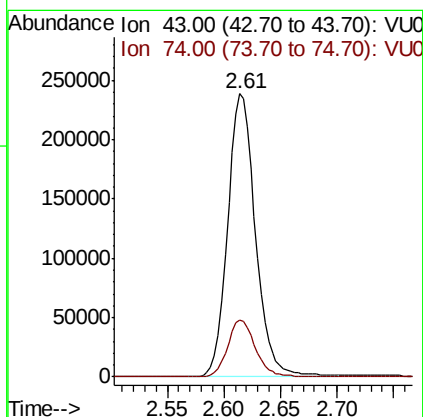
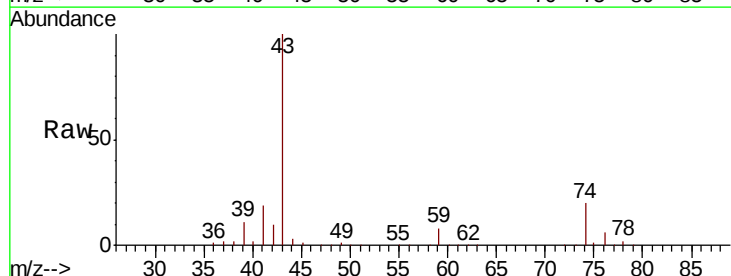
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

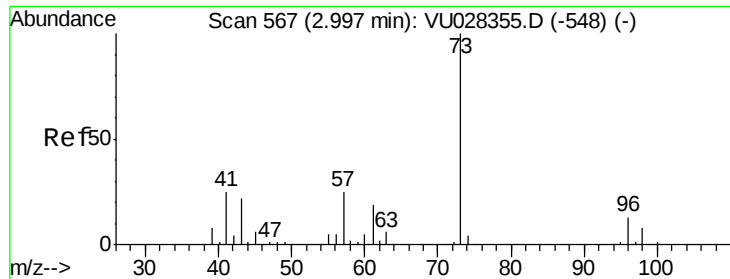
Tot Ion: 76 Resp: 570440
Ion Ratio Lower Upper
76 100
78 9.1 7.4 11.2



#18
Methyl Acetate
Concen: 45.358 ug/l
RT: 2.61 min Scan# 448
Delta R.T. 0.00 min
Lab File: VU028428.D
Acq: 03 Dec 2018 09:50

Tgt Ion: 43 Resp: 407591
Ion Ratio Lower Upper
43 100
74 20.2 15.3 22.9

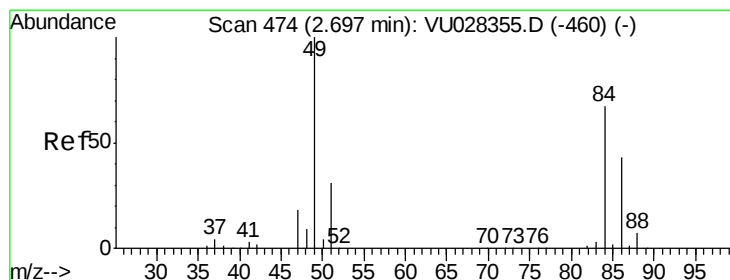
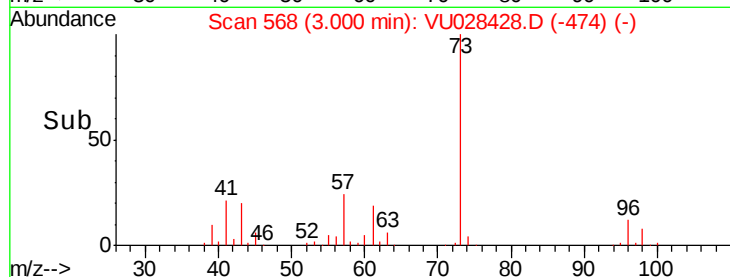
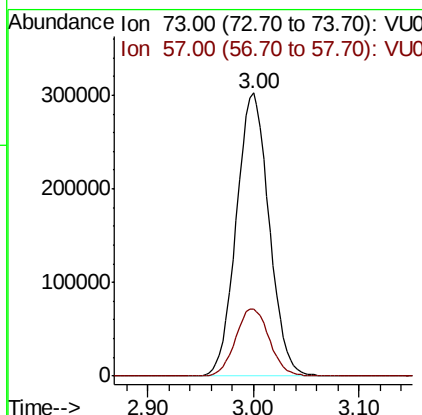
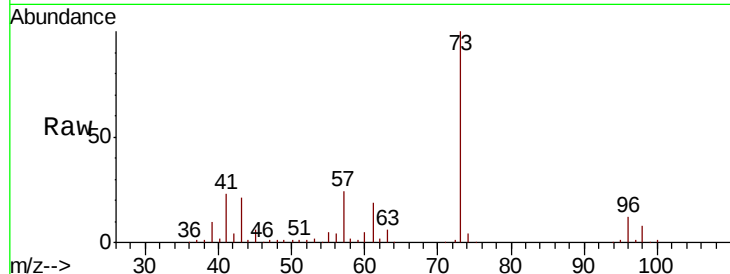




#19
Methyl tert-butyl Ether
Concen: 47.163 ug/l
RT: 3.00 min Scan# 568
Delta R.T. 0.00 min
Lab File: VU028428.D
Acq: 03 Dec 2018 09:50

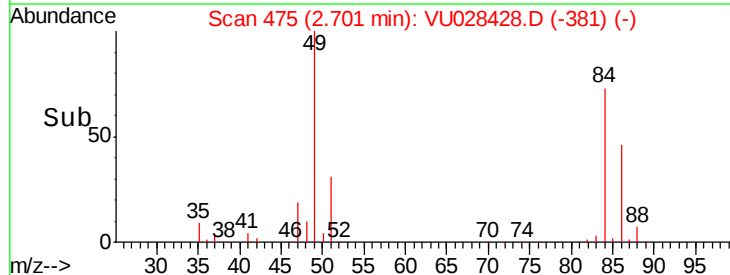
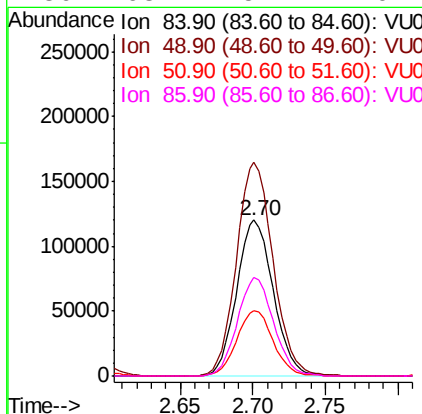
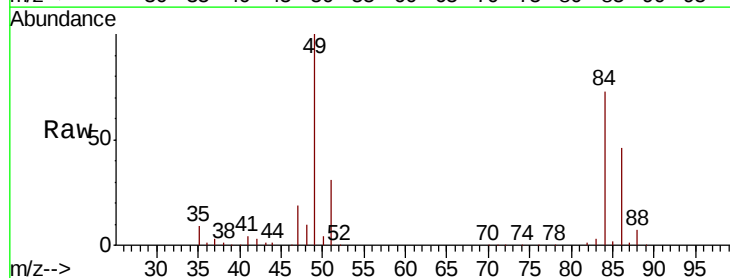
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

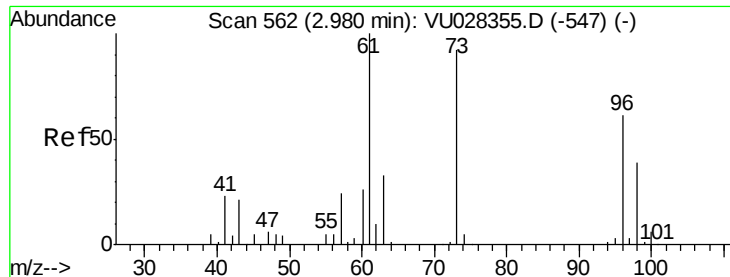
Tot Ion: 73 Resp: 652117
Ion Ratio Lower Upper
73 100
57 23.7 20.1 30.1



#20
Methylene Chloride
Concen: 46.483 ug/l
RT: 2.70 min Scan# 475
Delta R.T. 0.00 min
Lab File: VU028428.D
Acq: 03 Dec 2018 09:50

Tgt Ion: 84 Resp: 211627
Ion Ratio Lower Upper
84 100
49 137.1 120.0 180.0
51 41.9 36.9 55.3
86 63.1 51.1 76.7





#21

trans-1,2-Dichloroethene

Concen: 48.366 ug/l

RT: 2.98 min Scan# 563

Delta R.T. 0.00 min

Lab File: VU028428.D

Acq: 03 Dec 2018 09:50

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

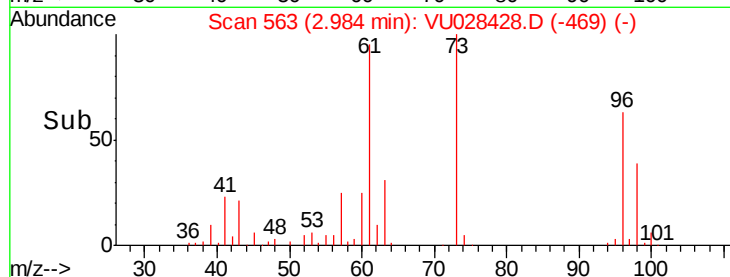
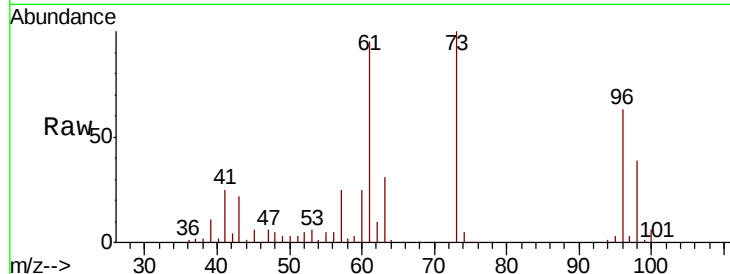
Tot Ion: 96 Resp: 189177

Ion Ratio Lower Upper

96 100

61 152.1 131.1 196.7

98 62.9 51.7 77.5

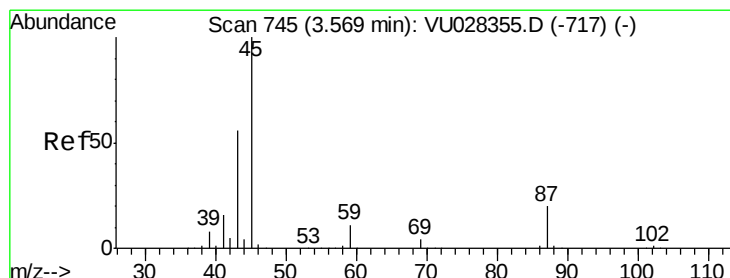
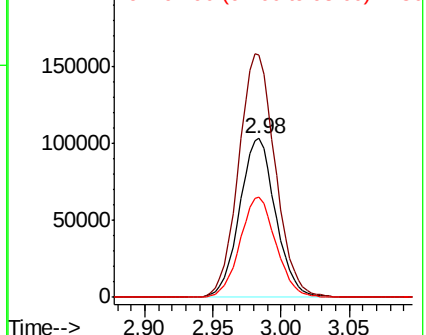


Abundance

Ion 95.90 (95.60 to 96.60): VU0

Ion 60.90 (60.60 to 61.60): VU0

Ion 97.90 (97.60 to 98.60): VU0



#22

Diisopropyl ether

Concen: 45.670 ug/l

RT: 3.57 min Scan# 746

Delta R.T. 0.00 min

Lab File: VU028428.D

Acq: 03 Dec 2018 09:50

Tgt Ion: 45 Resp: 792292

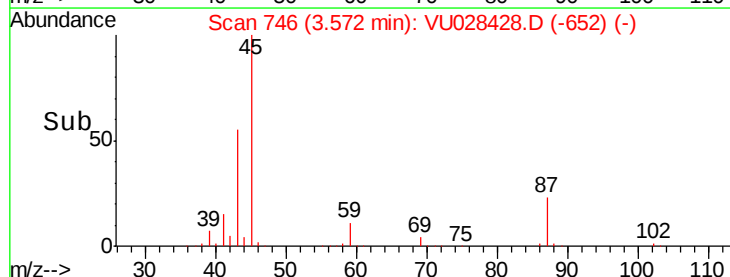
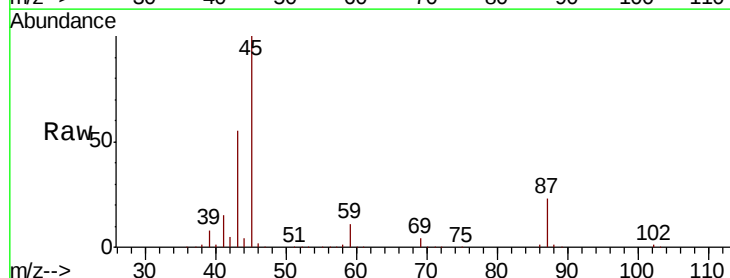
Ion Ratio Lower Upper

45 100

43 55.0 44.8 67.2

87 23.2 16.3 24.5

59 10.8 8.6 12.8



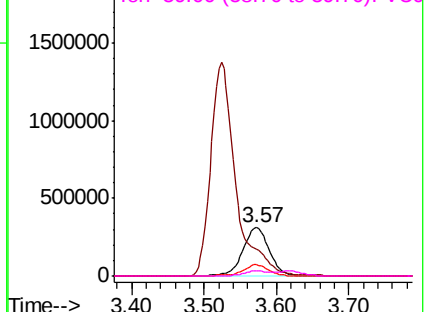
Abundance

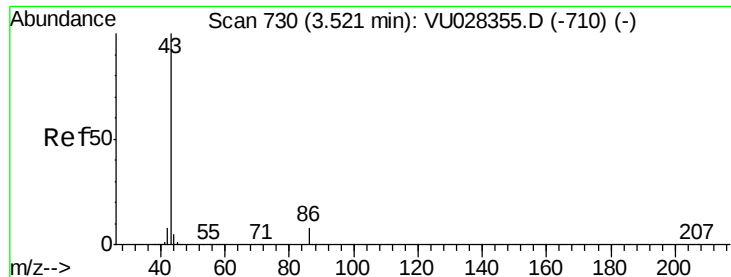
Ion 45.00 (44.70 to 45.70): VU0

Ion 43.00 (42.70 to 43.70): VU0

Ion 87.00 (86.70 to 87.70): VU0

Ion 59.00 (58.70 to 59.70): VU0





#23

Vinyl Acetate

Concen: 227.534 ug/l

RT: 3.52 min Scan# 731

Delta R.T. 0.00 min

Lab File: VU028428.D

Acq: 03 Dec 2018 09:50

Instrument :

MSVOA_U

ClientSampleId :

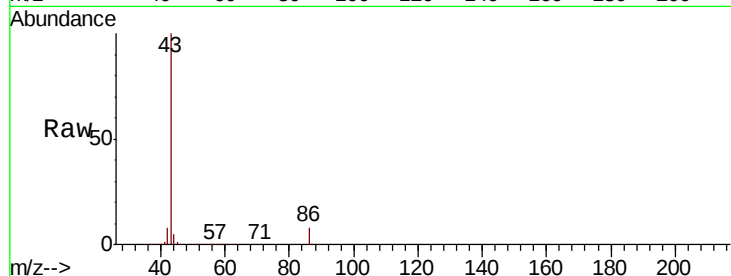
VSTDCCC050

Tot Ion: 43 Resp: 3281052

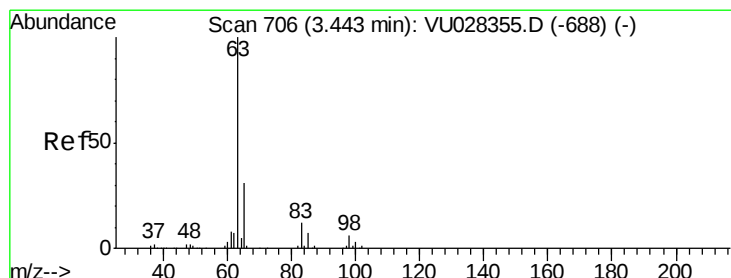
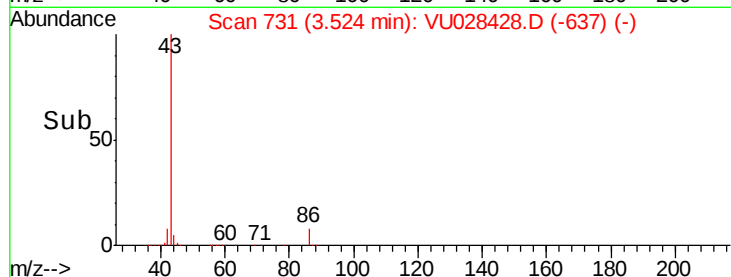
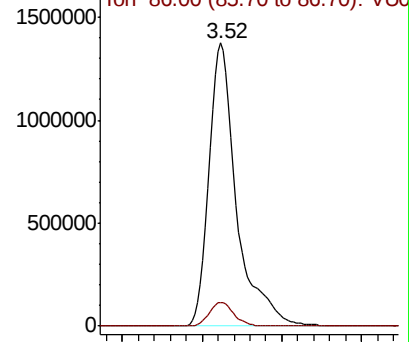
Ion Ratio Lower Upper

43 100

86 8.4 6.5 9.7



Abundance Ion 43.00 (42.70 to 43.70): VU028428.D (-637) (-)



#24

1,1-Dichloroethane

Concen: 46.843 ug/l

RT: 3.45 min Scan# 707

Delta R.T. 0.00 min

Lab File: VU028428.D

Acq: 03 Dec 2018 09:50

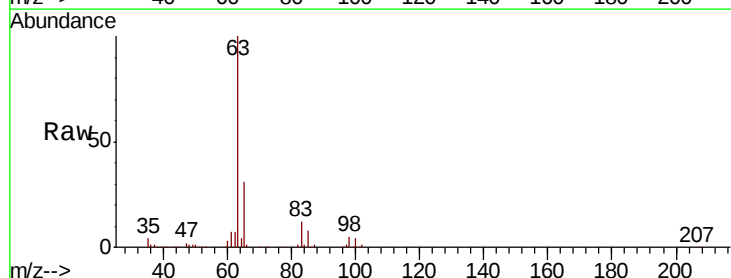
Tgt Ion: 63 Resp: 400661

Ion Ratio Lower Upper

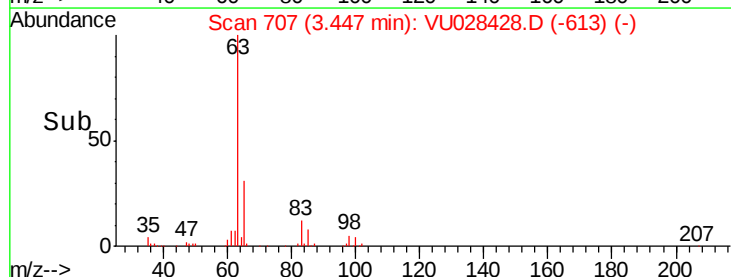
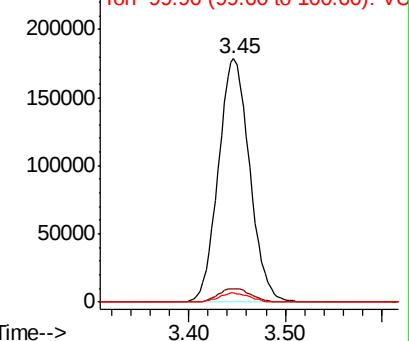
63 100

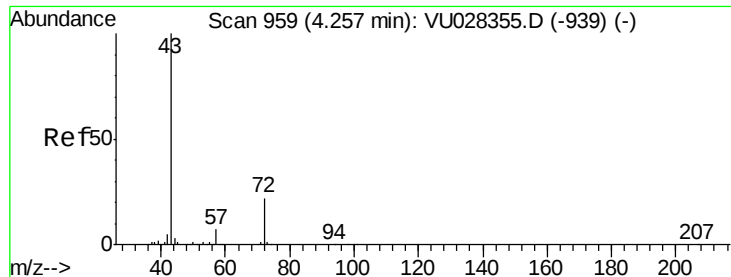
98 5.4 2.9 8.6

100 3.7 1.7 5.1



Abundance Ion 62.90 (62.60 to 63.60): VU028428.D (-613) (-)





#25

2-Butanone

Concen: 251.436 ug/l

RT: 4.26 min Scan# 960

Delta R.T. 0.00 min

Lab File: VU028428.D

Acq: 03 Dec 2018 09:50

Instrument :

MSVOA_U

ClientSampleId :

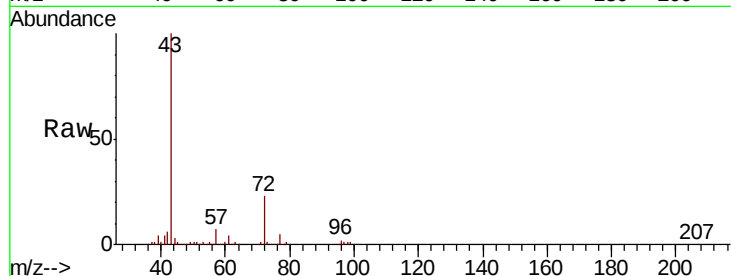
VSTDCCC050

Tot Ion: 43 Resp: 1163030

Ion Ratio Lower Upper

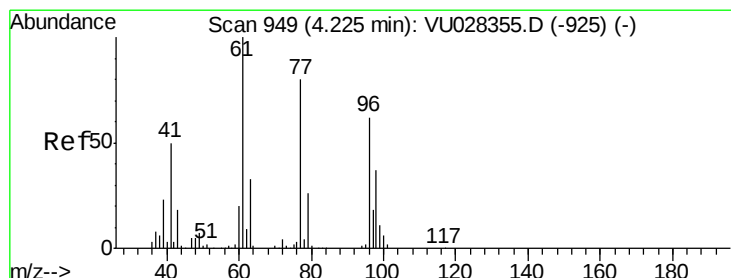
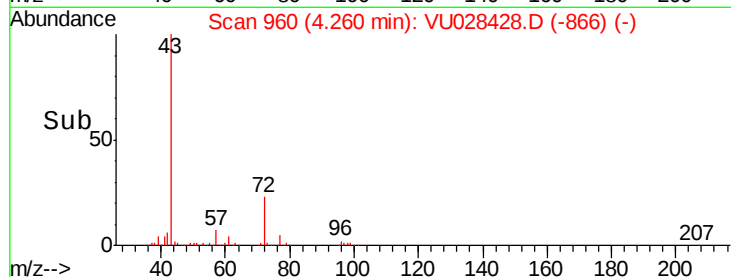
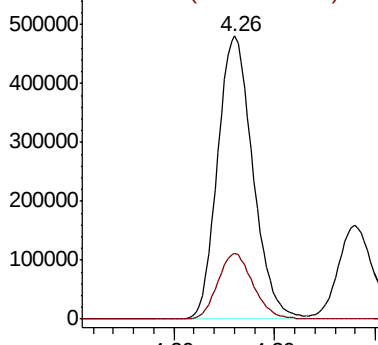
43 100

72 23.3 17.7 26.5



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 72.00 (71.70 to 72.70): VU0



#26

2,2-Dichloropropane

Concen: 47.397 ug/l

RT: 4.23 min Scan# 950

Delta R.T. 0.00 min

Lab File: VU028428.D

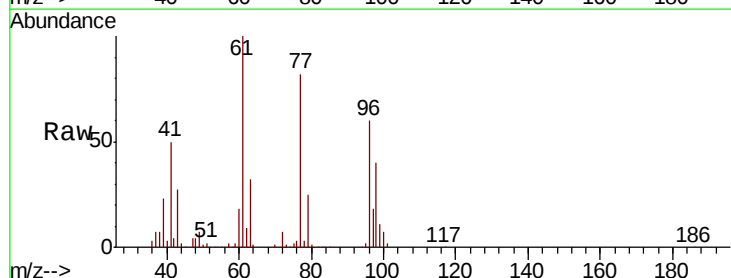
Acq: 03 Dec 2018 09:50

Tgt Ion: 77 Resp: 321964

Ion Ratio Lower Upper

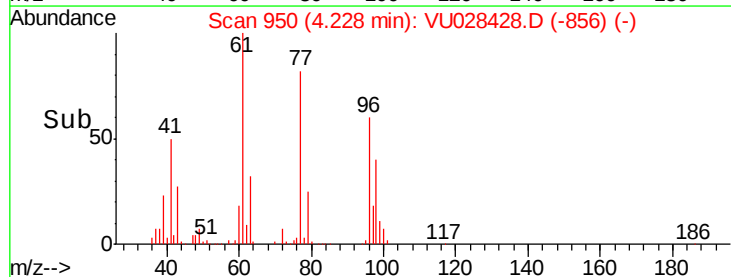
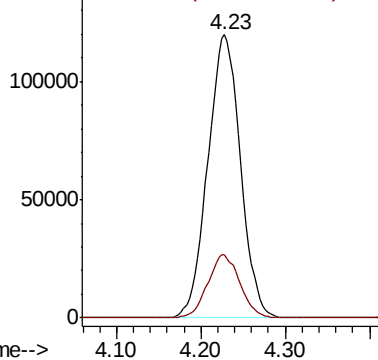
77 100

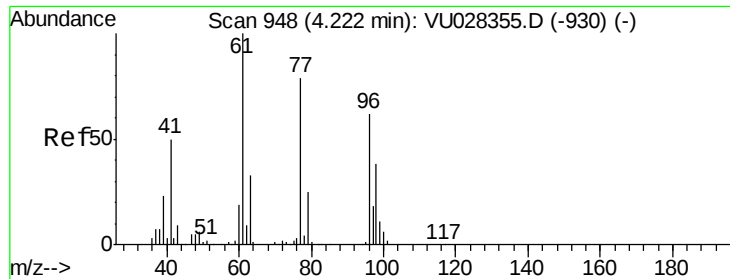
97 22.0 10.7 32.1



Abundance Ion 76.90 (76.60 to 77.60): VU0

Ion 96.90 (96.60 to 97.60): VU0



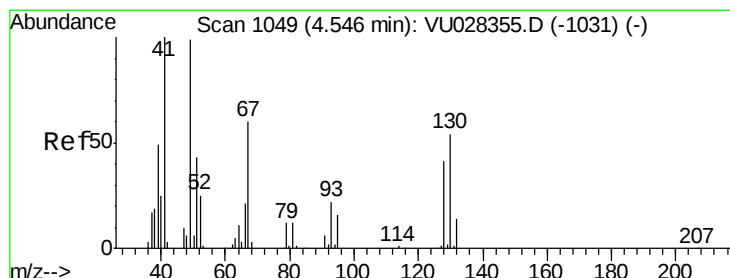
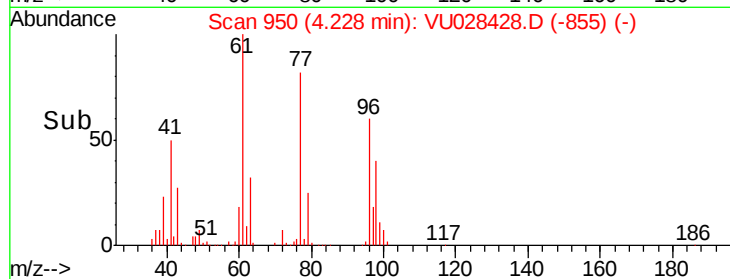
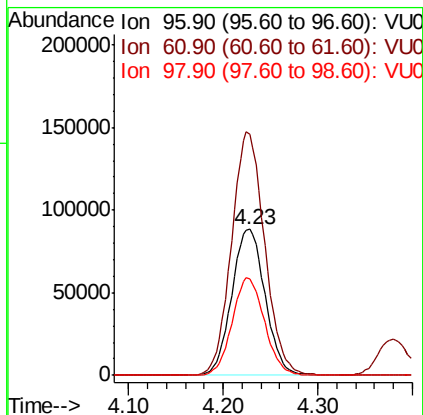
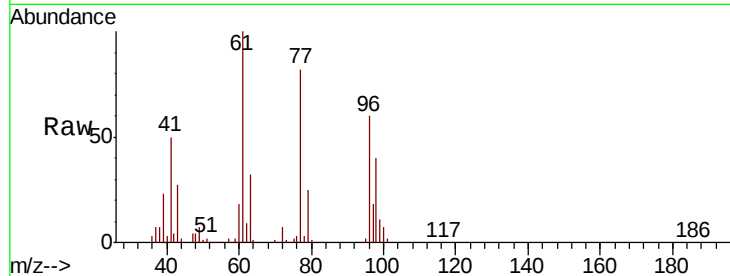


#27

cis-1,2-Dichloroethene
 Concen: 46.933 ug/l
 RT: 4.23 min Scan# 950
 Delta R.T. 0.01 min
 Lab File: VU028428.D
 Acq: 03 Dec 2018 09:50

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

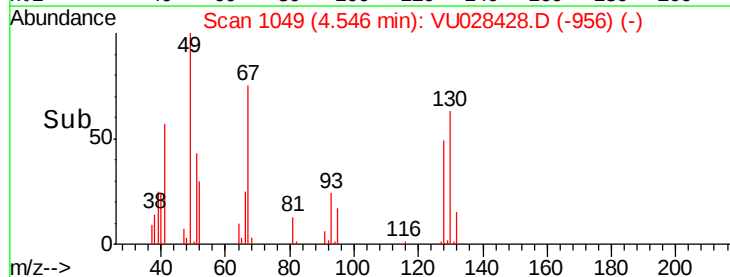
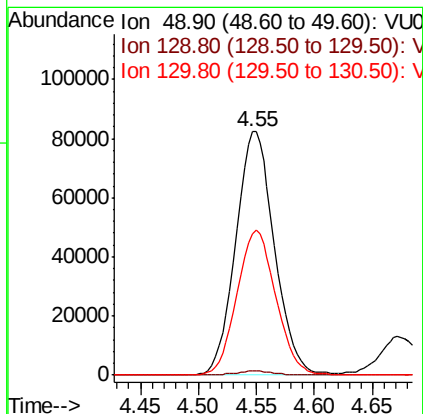
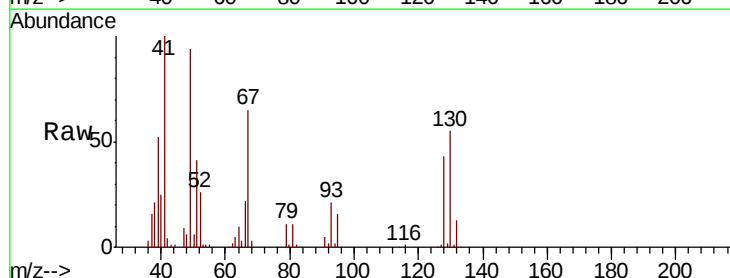
Tot Ion	Ratio	Lower	Upper
96	100		
61	165.0	0.0	342.0
98	64.7	0.0	126.4

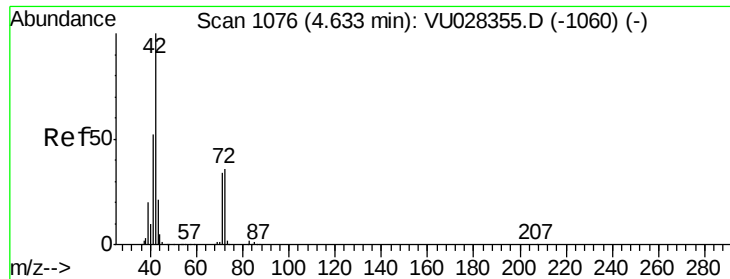


#28

Bromochloromethane
 Concen: 44.679 ug/l
 RT: 4.55 min Scan# 1049
 Delta R.T. 0.00 min
 Lab File: VU028428.D
 Acq: 03 Dec 2018 09:50

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.7	0.0	2.6
130	59.8	44.5	66.7





#29

Tetrahydrofuran

Concen: 227.480 ug/l

RT: 4.64 min Scan# 1077

Delta R.T. 0.00 min

Lab File: VU028428.D

Acq: 03 Dec 2018 09:50

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

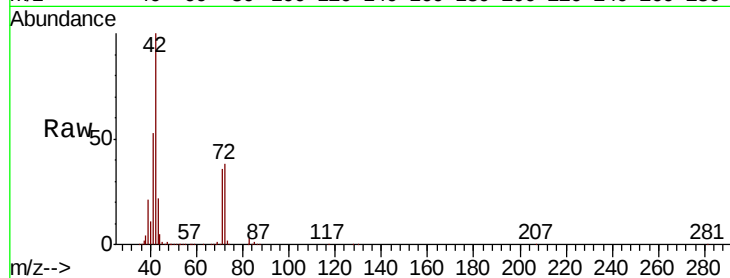
Tot Ion: 42 Resp: 683172

Ion Ratio Lower Upper

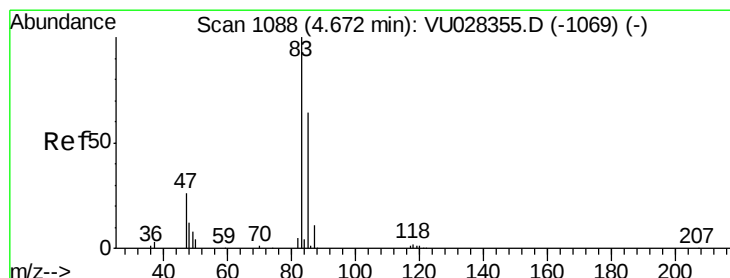
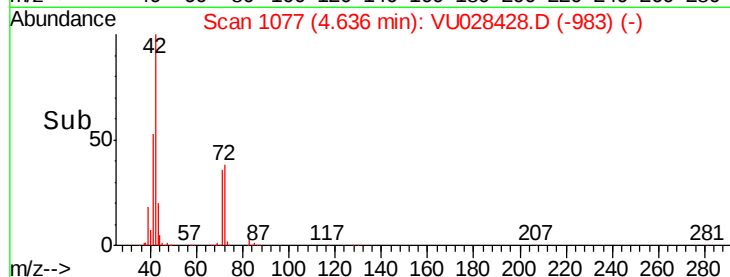
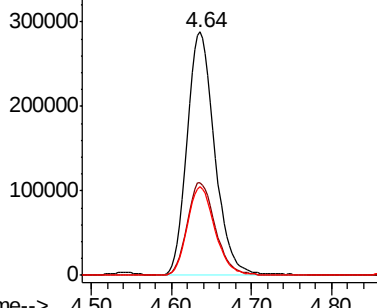
42 100

72 39.0 29.5 44.3

71 36.6 27.7 41.5



Abundance Ion 42.00 (41.70 to 42.70): VU0
Ion 72.00 (71.70 to 72.70): VU0
Ion 71.00 (70.70 to 71.70): VU0



#30

Chloroform

Concen: 45.763 ug/l

RT: 4.67 min Scan# 1089

Delta R.T. 0.00 min

Lab File: VU028428.D

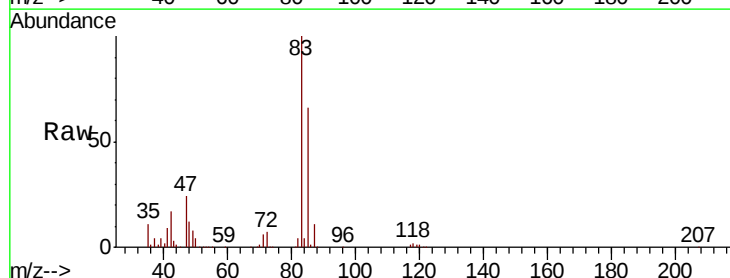
Acq: 03 Dec 2018 09:50

Tgt Ion: 83 Resp: 361291

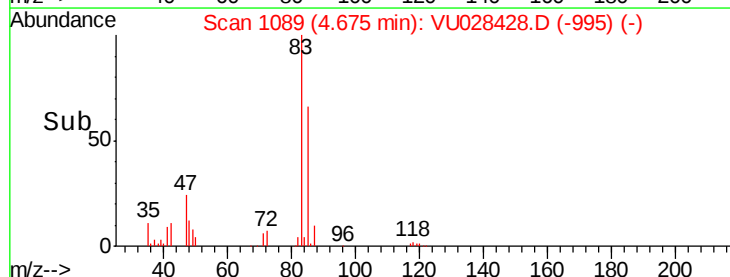
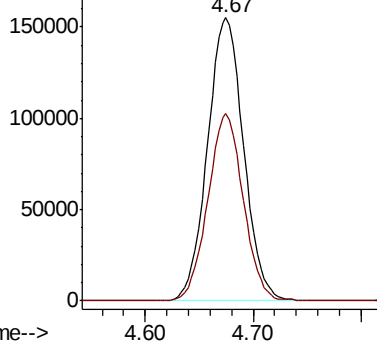
Ion Ratio Lower Upper

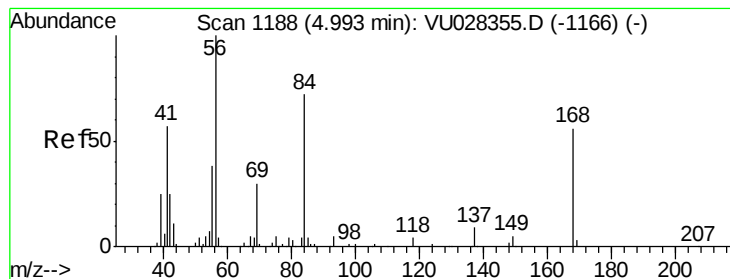
83 100

85 66.2 51.2 76.8



Abundance Ion 82.90 (82.60 to 83.60): VU0
Ion 84.90 (84.60 to 85.60): VU0





#31

Cyclohexane

Concen: 44.613 ug/l

RT: 5.00 min Scan# 1189

Delta R.T. 0.00 min

Lab File: VU028428.D

Acq: 03 Dec 2018 09:50

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

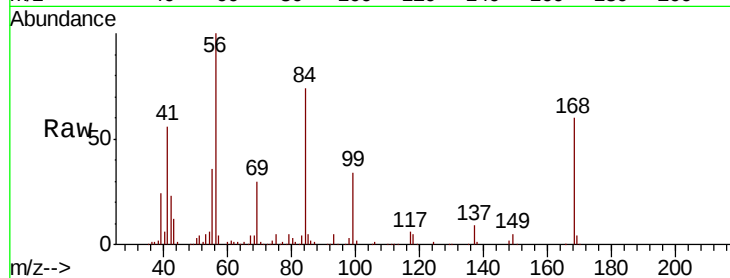
Tot Ion: 56 Resp: 392081

Ion Ratio Lower Upper

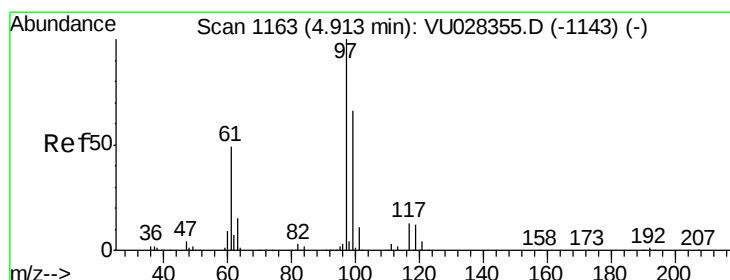
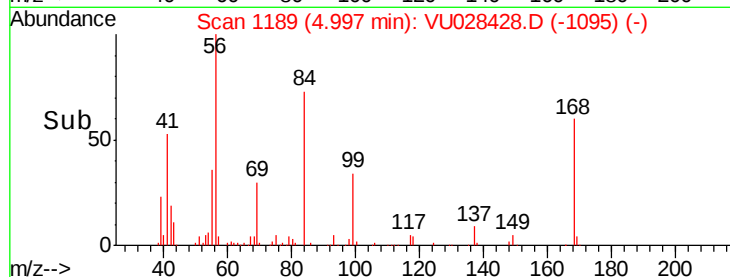
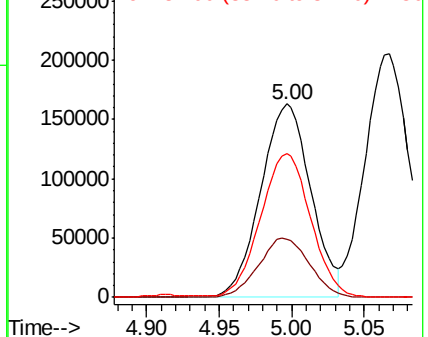
56 100

69 30.3 23.7 35.5

84 73.3 57.3 85.9



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



#32

1,1,1-Trichloroethane

Concen: 46.757 ug/l

RT: 4.92 min Scan# 1164

Delta R.T. 0.00 min

Lab File: VU028428.D

Acq: 03 Dec 2018 09:50

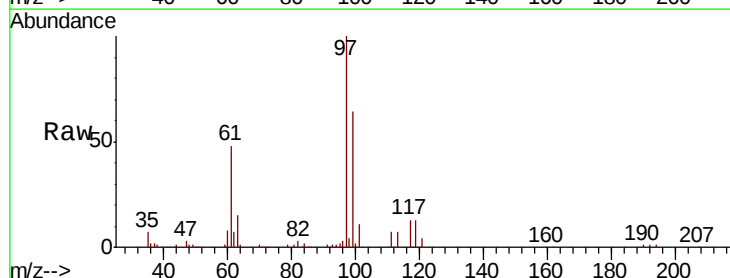
Tgt Ion: 97 Resp: 296210

Ion Ratio Lower Upper

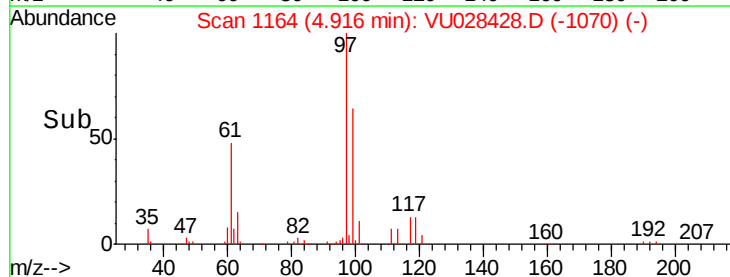
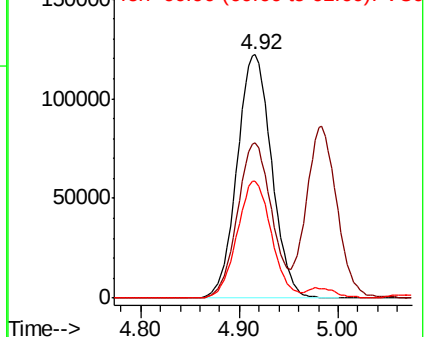
97 100

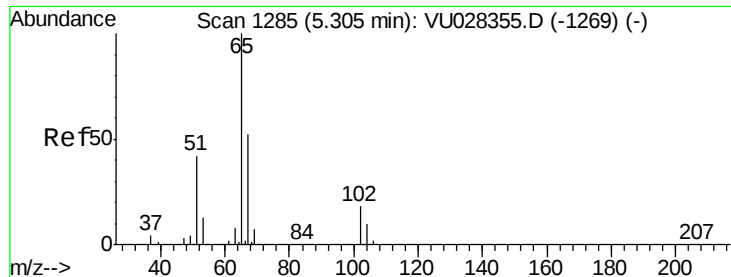
99 63.7 50.8 76.2

61 47.9 39.1 58.7



Abundance Ion 96.90 (96.60 to 97.60): VU0
Ion 98.90 (98.60 to 99.60): VU0
Ion 60.90 (60.60 to 61.60): VU0





#33

1,2-Dichloroethane-d4

Concen: 43.921 ug/l

RT: 5.31 min Scan# 1286

Delta R.T. 0.00 min

Lab File: VU028428.D

Acq: 03 Dec 2018 09:50

Instrument :

MSVOA_U

ClientSampleId :

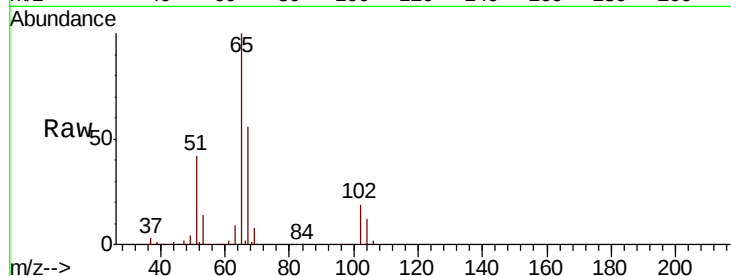
VSTDCCC050

Tot Ion: 65 Resp: 231733

Ion Ratio Lower Upper

65 100

67 55.7 0.0 106.8



Abundance Ion 64.90 (64.60 to 65.60): VU028355.D (-1269) (-)

Ion 66.90 (66.60 to 67.60): VU028355.D (-1269) (-)

5.31

120000

100000

80000

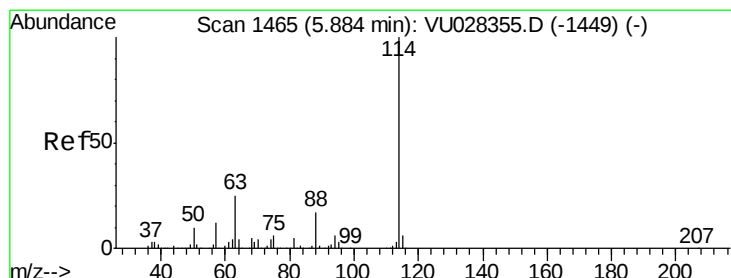
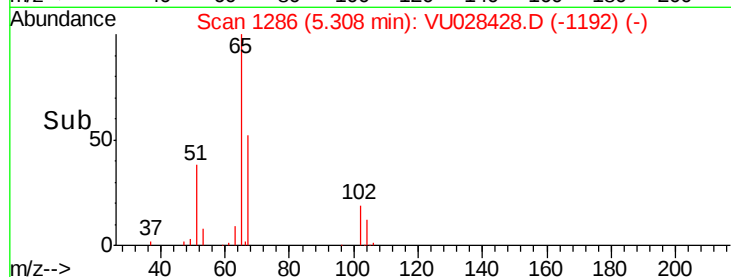
60000

40000

20000

0

Time--> 5.20 5.25 5.30 5.35 5.40



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.89 min Scan# 1466

Delta R.T. 0.00 min

Lab File: VU028428.D

Acq: 03 Dec 2018 09:50

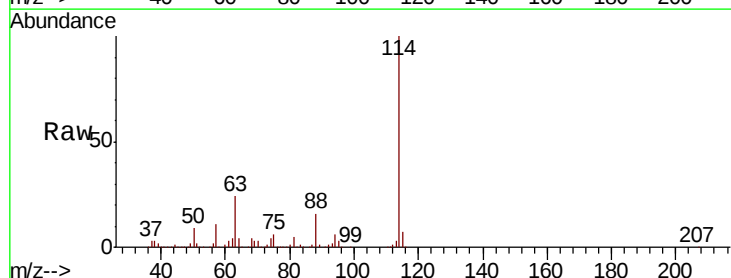
Tgt Ion: 114 Resp: 536591

Ion Ratio Lower Upper

114 100

63 23.9 0.0 50.0

88 16.4 0.0 34.4



Abundance Ion 113.90 (113.60 to 114.60): VU028355.D (-1449) (-)

Ion 63.00 (62.70 to 63.70): VU028355.D (-1449) (-)

Ion 87.90 (87.60 to 88.60): VU028355.D (-1449) (-)

5.89

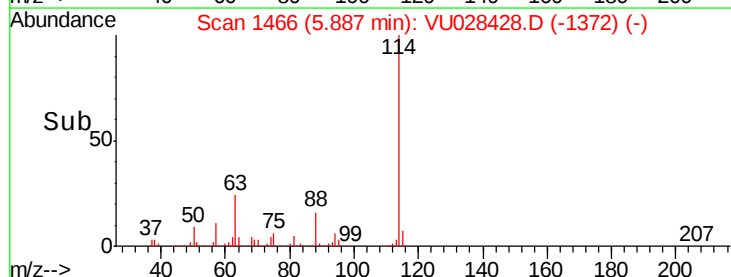
300000

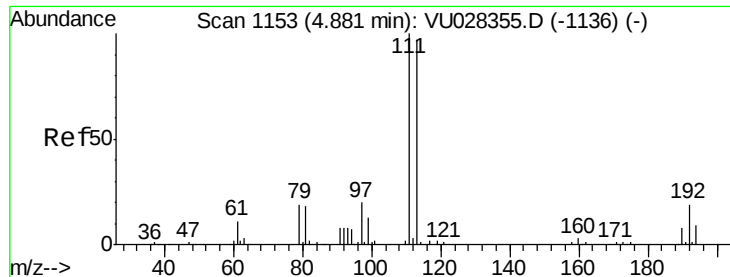
200000

100000

0

Time--> 5.80 5.85 5.90 5.95 6.00

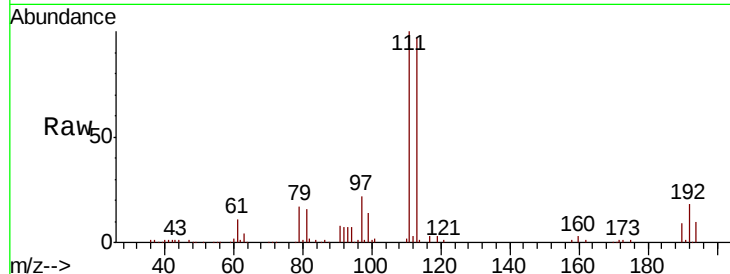




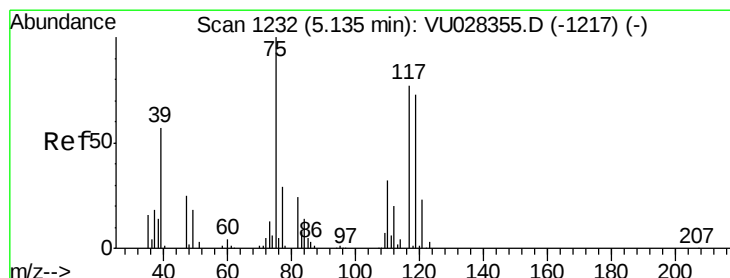
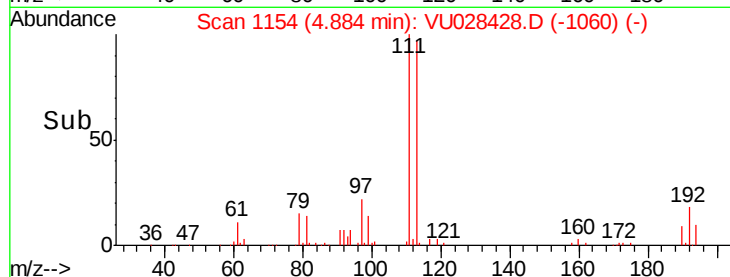
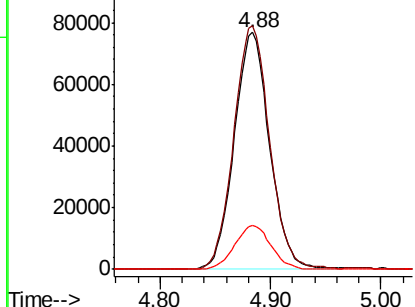
#35
Dibromofluoromethane
Concen: 47.752 ug/l
RT: 4.88 min Scan# 1154
Delta R.T. 0.00 min
Lab File: VU028428.D
Acq: 03 Dec 2018 09:50

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
113	100		
111	104.2	82.9	124.3
192	19.0	15.4	23.0

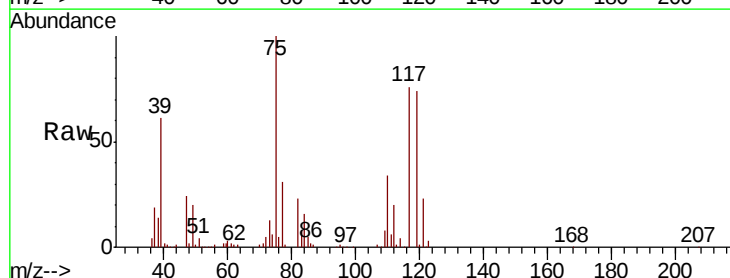


Abundance Ion 112.80 (112.50 to 113.50): V
Ion 110.80 (110.50 to 111.50): V
Ion 191.70 (191.40 to 192.40): V

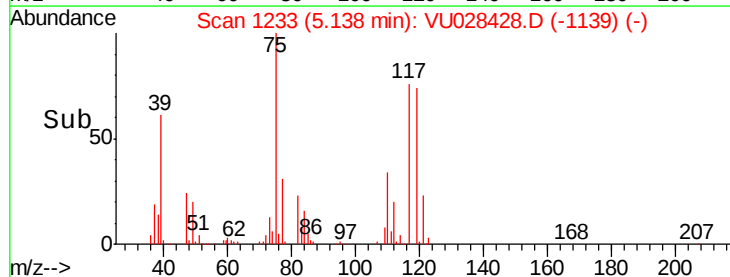
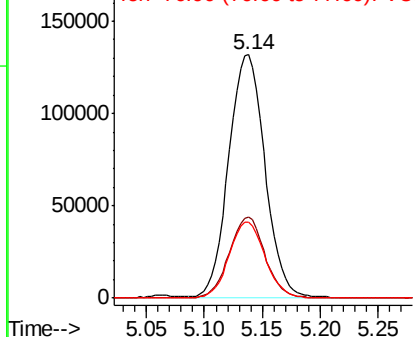


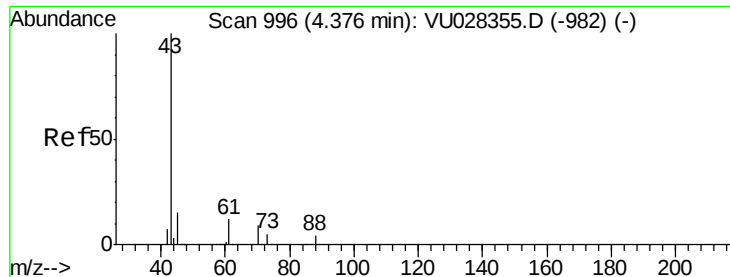
#36
1,1-Dichloropropene
Concen: 48.619 ug/l
RT: 5.14 min Scan# 1233
Delta R.T. 0.00 min
Lab File: VU028428.D
Acq: 03 Dec 2018 09:50

Tgt Ion	Ratio	Lower	Upper
75	100		
110	32.9	15.8	47.4
77	31.0	24.6	36.8



Abundance Ion 74.90 (74.60 to 75.60): VU0
Ion 109.90 (109.60 to 110.60): V
Ion 76.90 (76.60 to 77.60): VU0





#37

Ethyl Acetate

Concen: 48.318 ug/l

RT: 4.38 min Scan# 997

Delta R.T. 0.00 min

Lab File: VU028428.D

Acq: 03 Dec 2018 09:50

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

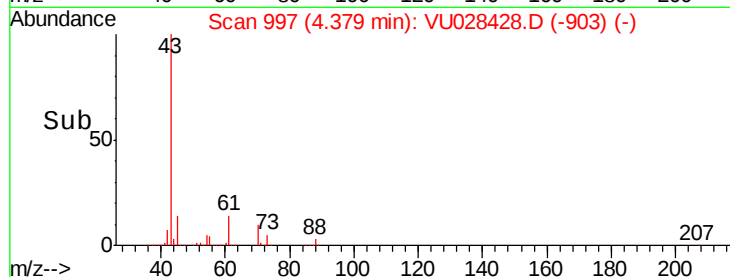
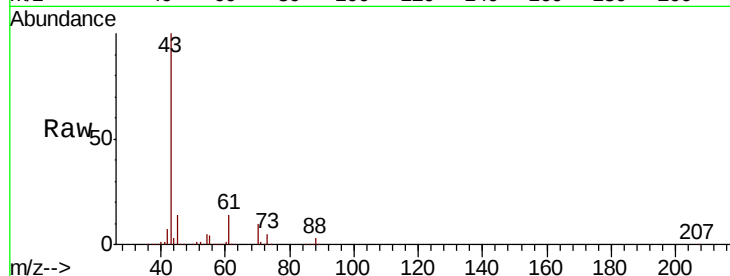
Tot Ion: 43 Resp: 386642

Ion Ratio Lower Upper

43 100

61 13.1 10.2 15.4

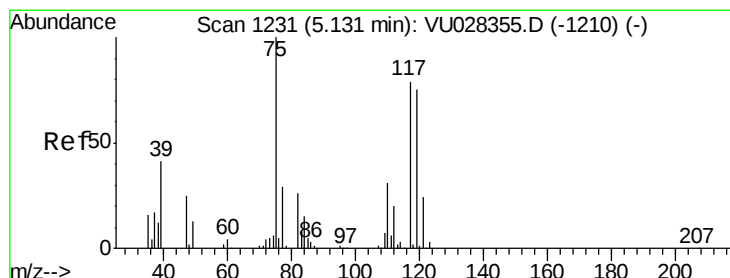
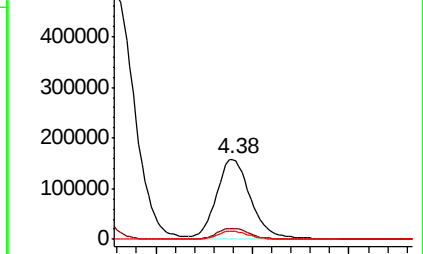
70 9.6 6.9 10.3



Abundance Ion 43.00 (42.70 to 43.70): VU028428.D (-903) (-)

Ion 60.90 (60.60 to 61.60): VU028428.D (-903) (-)

Ion 70.00 (69.70 to 70.70): VU028428.D (-903) (-)



#38

Carbon Tetrachloride

Concen: 49.501 ug/l

RT: 5.13 min Scan# 1232

Delta R.T. 0.00 min

Lab File: VU028428.D

Acq: 03 Dec 2018 09:50

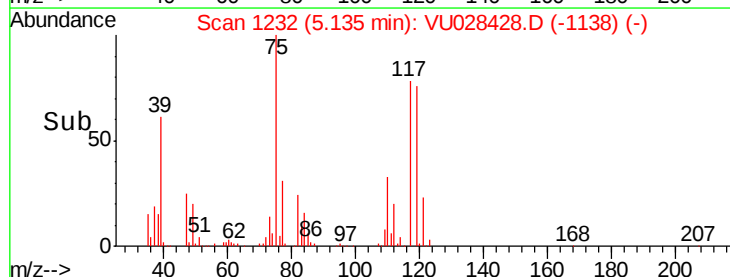
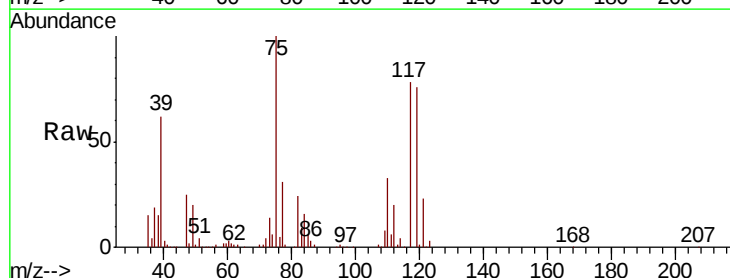
Tgt Ion: 117 Resp: 238683

Ion Ratio Lower Upper

117 100

119 97.6 76.3 114.5

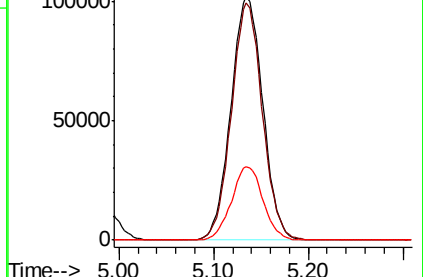
121 30.0 24.7 37.1

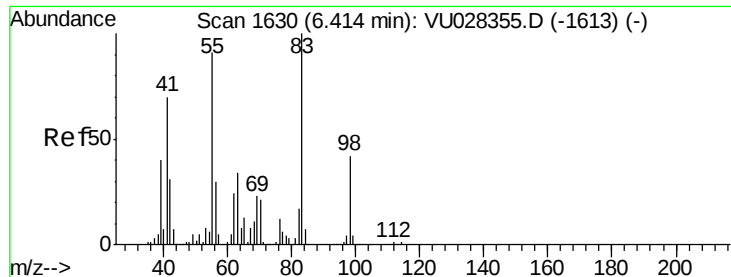


Abundance Ion 116.80 (116.50 to 117.50): VU028428.D (-1138) (-)

Ion 118.80 (118.50 to 119.50): VU028428.D (-1138) (-)

Ion 120.80 (120.50 to 121.50): VU028428.D (-1138) (-)

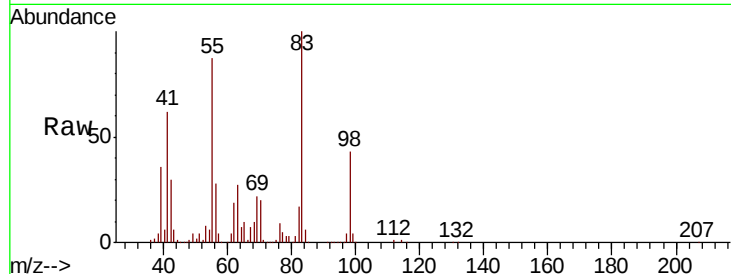




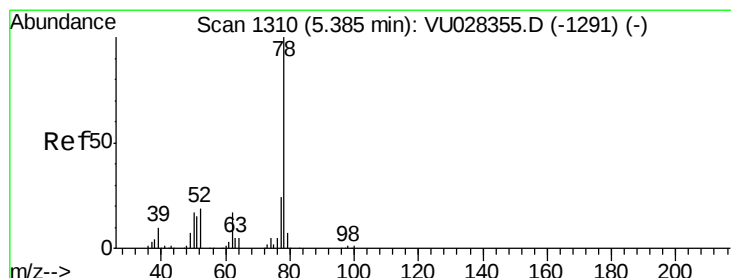
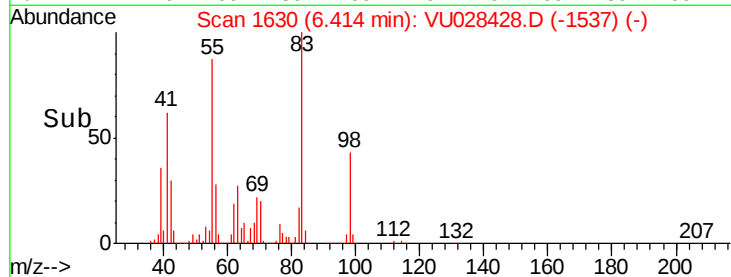
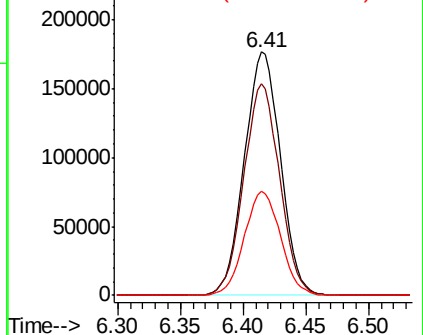
#39
Methvlcvclohexane
Concen: 51.332 ug/l
RT: 6.41 min Scan# 1630
Delta R.T. 0.00 min
Lab File: VU028428.D
Acq: 03 Dec 2018 09:50

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion: 83 Resp: 355372
Ion Ratio Lower Upper
83 100
55 87.0 73.1 109.7
98 43.0 33.9 50.9

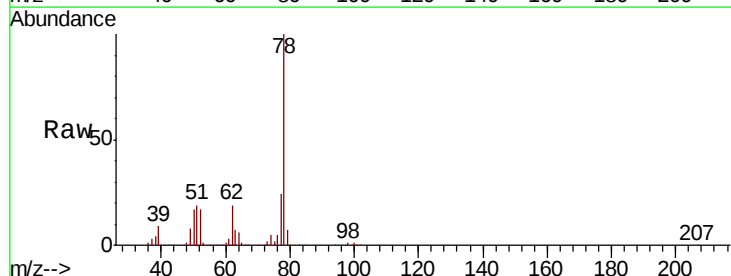


Abundance Ion 83.00 (82.70 to 83.70): VU0
Ion 55.00 (54.70 to 55.70): VU0
Ion 98.00 (97.70 to 98.70): VU0

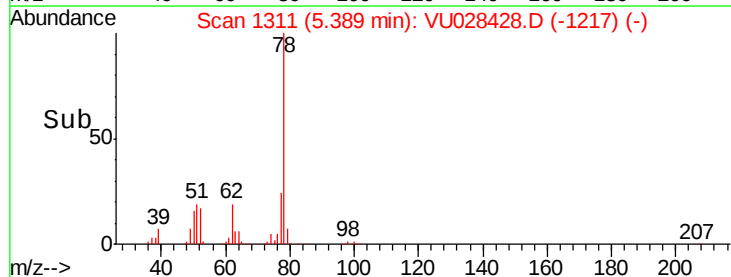
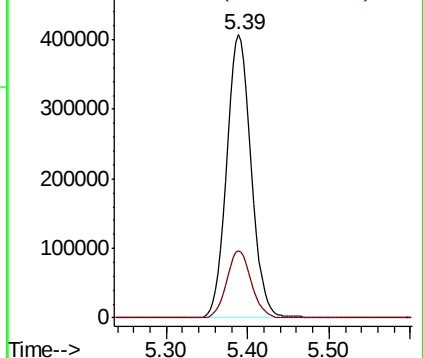


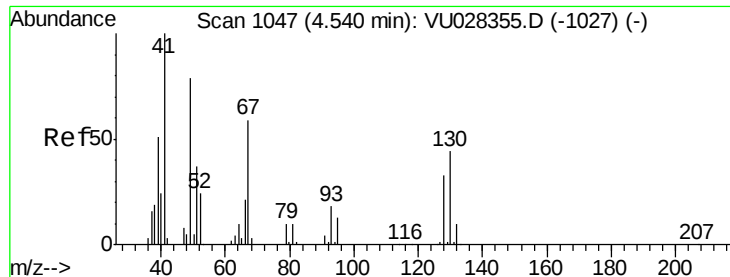
#40
Benzene
Concen: 49.564 ug/l
RT: 5.39 min Scan# 1311
Delta R.T. 0.00 min
Lab File: VU028428.D
Acq: 03 Dec 2018 09:50

Tgt Ion: 78 Resp: 861975
Ion Ratio Lower Upper
78 100
77 23.8 19.0 28.6



Abundance Ion 78.00 (77.70 to 78.70): VU0
Ion 77.00 (76.70 to 77.70): VU0

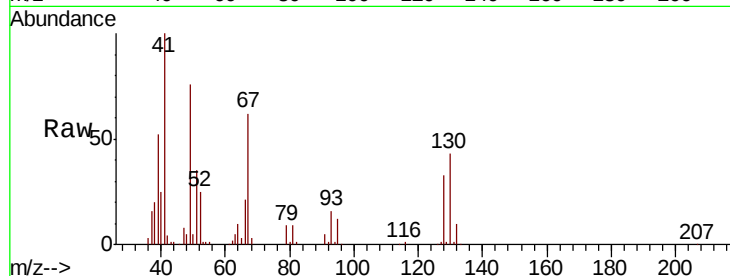




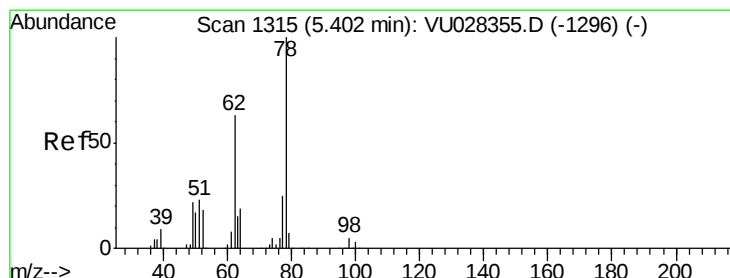
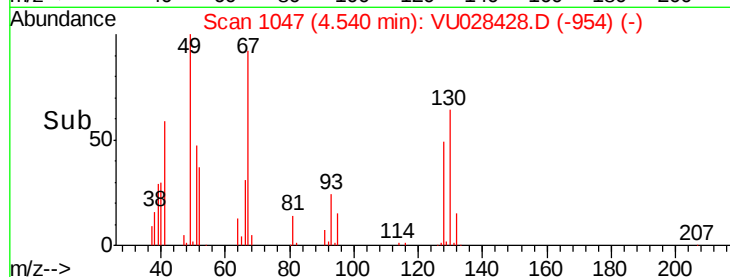
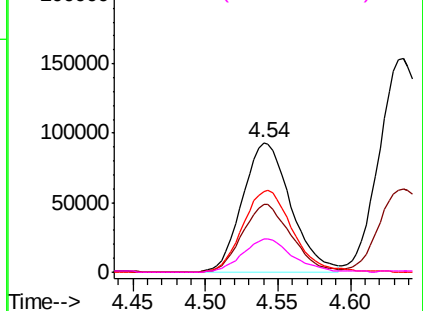
#41
Methacrylonitrile
Concen: 48.379 ug/l
RT: 4.54 min Scan# 1047
Delta R.T. 0.00 min
Lab File: VU028428.D
Acq: 03 Dec 2018 09:50

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion:	41	Resp:	214987
Ion	Ratio	Lower	Upper
41	100		
39	52.8	41.3	61.9
67	65.8	48.6	73.0
52	26.2	19.4	29.0

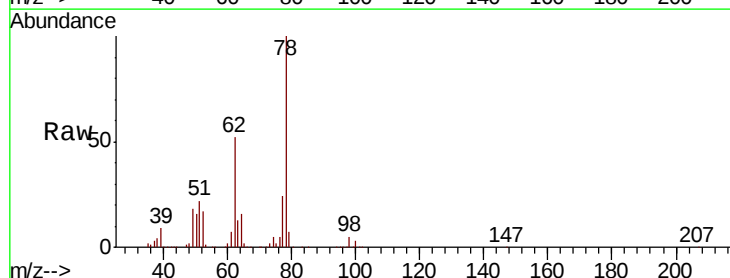


Abundance Ion 41.00 (40.70 to 41.70): VU0
Ion 39.00 (38.70 to 39.70): VU0
Ion 67.00 (66.70 to 67.70): VU0
Ion 52.00 (51.70 to 52.70): VU0

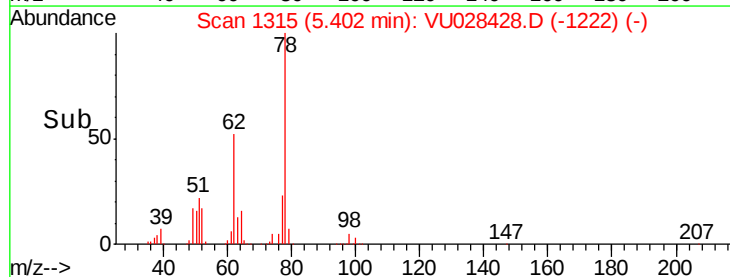
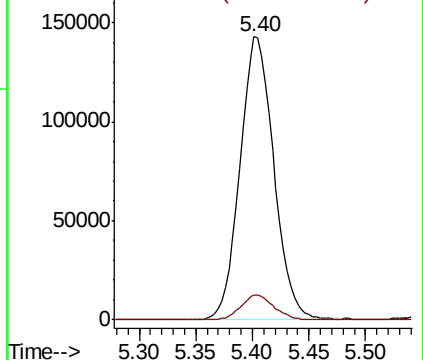


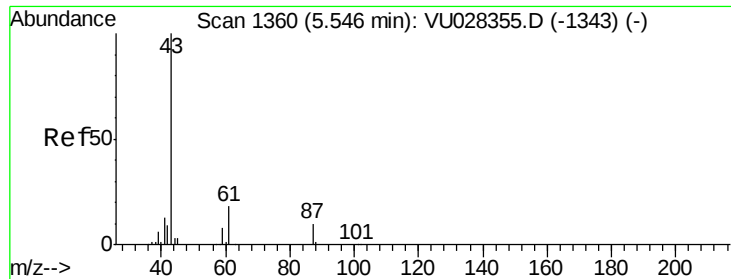
#42
1,2-Dichloroethane
Concen: 47.590 ug/l
RT: 5.40 min Scan# 1315
Delta R.T. 0.00 min
Lab File: VU028428.D
Acq: 03 Dec 2018 09:50

Tgt Ion:	62	Resp:	298155
Ion	Ratio	Lower	Upper
62	100		
98	8.5	0.0	15.4



Abundance Ion 61.90 (61.60 to 62.60): VU0
Ion 97.90 (97.60 to 98.60): VU0





#43

Isopropyl Acetate

Concen: 48.227 ug/l

RT: 5.55 min Scan# 1360

Delta R.T. 0.00 min

Lab File: VU028428.D

Acq: 03 Dec 2018 09:50

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

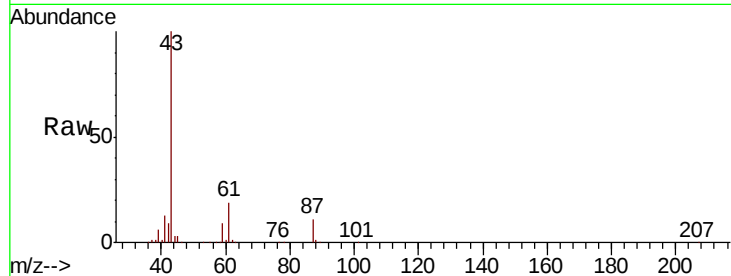
Tot Ion: 43 Resp: 611530

Ion Ratio Lower Upper

43 100

61 19.4 14.5 21.7

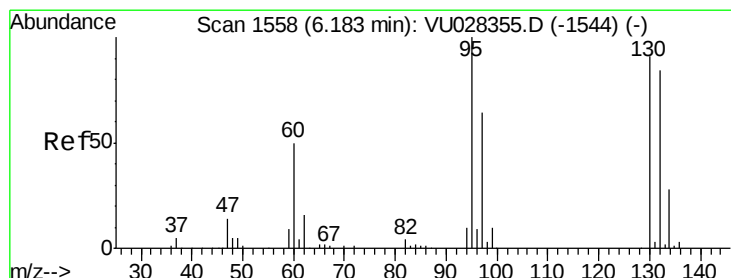
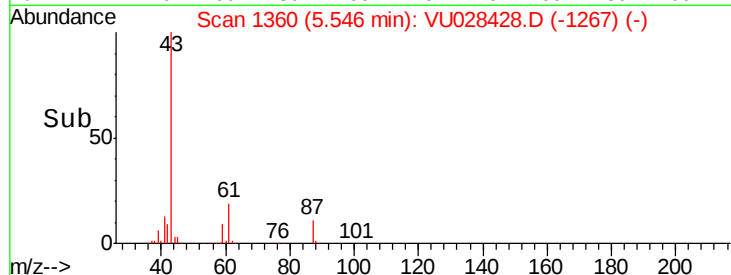
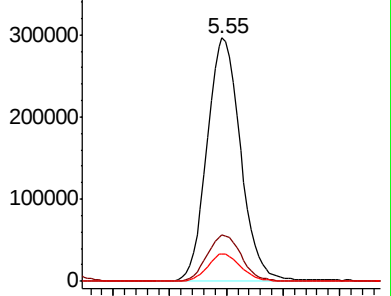
87 11.2 8.4 12.6



Abundance Ion 43.00 (42.70 to 43.70): VU028355.D (-1343) (-)

Ion 61.00 (60.70 to 61.70): VU028355.D (-1343) (-)

Ion 87.00 (86.70 to 87.70): VU028355.D (-1343) (-)



#44

Trichloroethene

Concen: 51.388 ug/l

RT: 6.19 min Scan# 1559

Delta R.T. 0.00 min

Lab File: VU028428.D

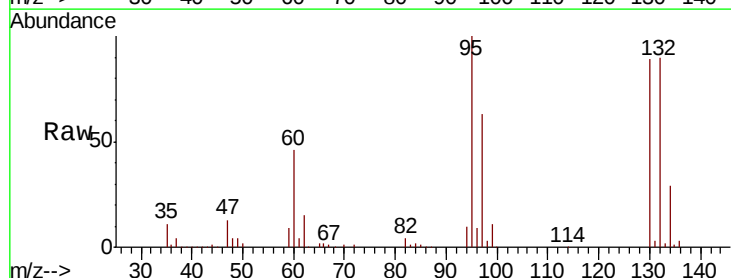
Acq: 03 Dec 2018 09:50

Tgt Ion:130 Resp: 191563

Ion Ratio Lower Upper

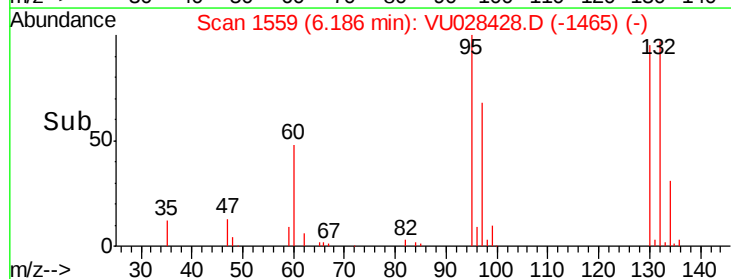
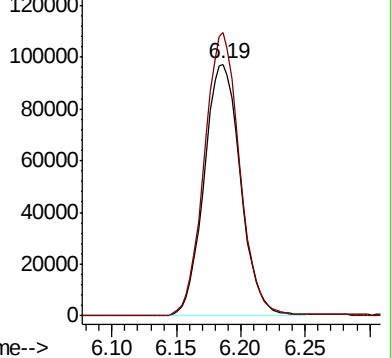
130 100

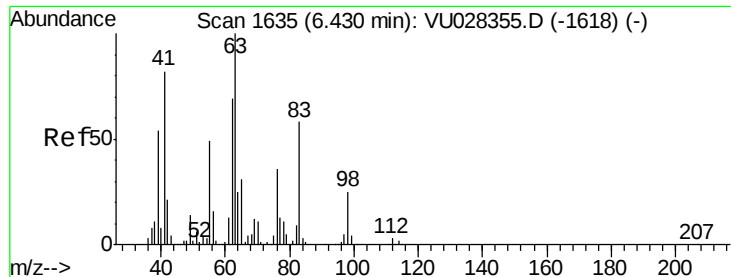
95 112.6 0.0 219.8



Abundance Ion 129.80 (129.50 to 130.50): VU028355.D (-1544) (-)

Ion 94.90 (94.60 to 95.60): VU028355.D (-1544) (-)





#45

1,2-Dichloropropane

Concen: 48.303 ug/l

RT: 6.43 min Scan# 1635

Delta R.T. 0.00 min

Lab File: VU028428.D

Acq: 03 Dec 2018 09:50

Instrument :

MSVOA_U

ClientSampleId :

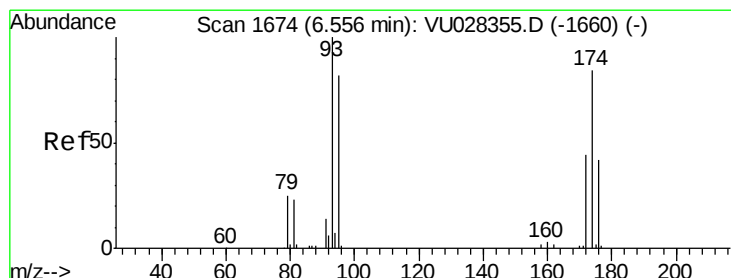
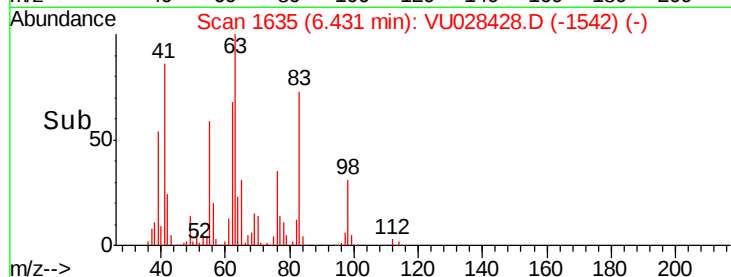
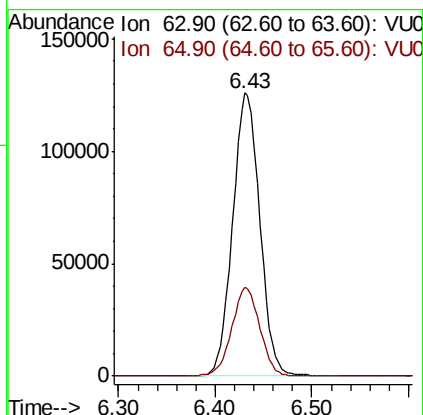
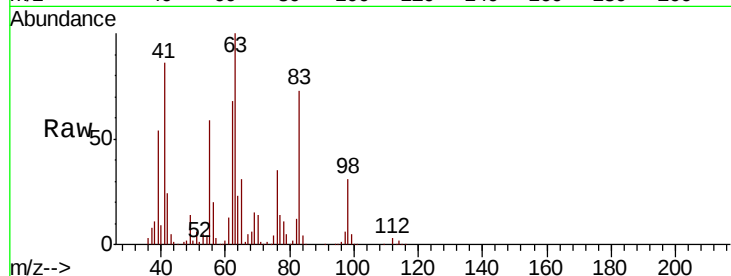
VSTDCCC050

Tot Ion: 63 Resp: 245998

Ion Ratio Lower Upper

63 100

65 31.4 25.1 37.7



#46

Dibromomethane

Concen: 50.079 ug/l

RT: 6.56 min Scan# 1675

Delta R.T. 0.00 min

Lab File: VU028428.D

Acq: 03 Dec 2018 09:50

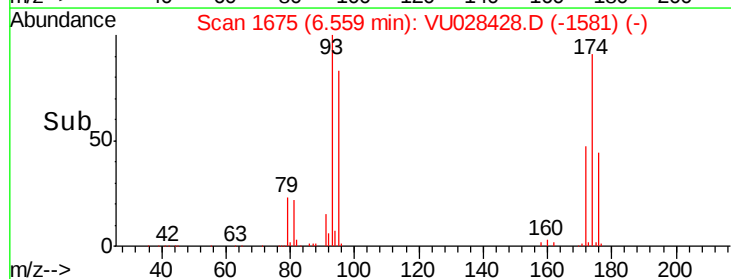
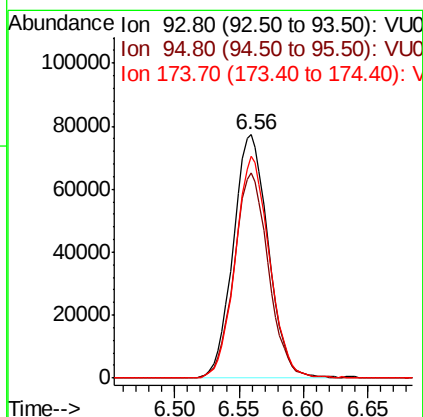
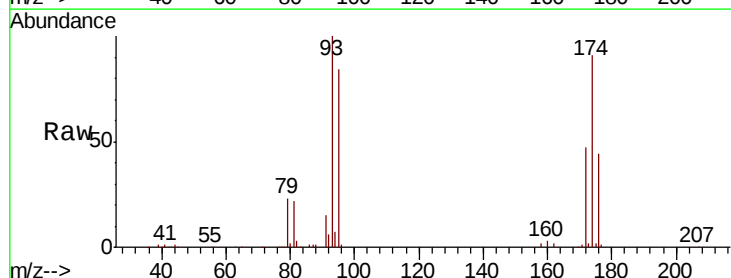
Tgt Ion: 93 Resp: 146498

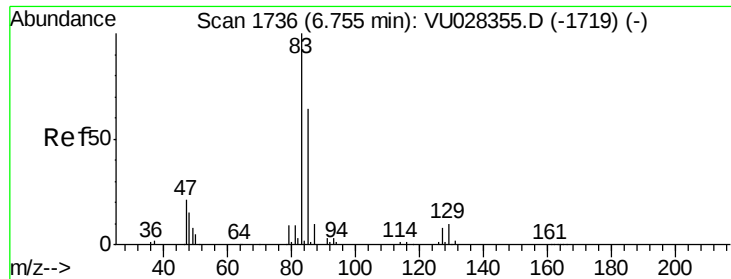
Ion Ratio Lower Upper

93 100

95 82.7 65.1 97.7

174 88.7 69.9 104.9

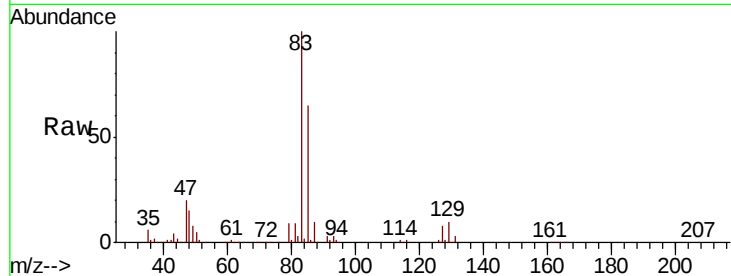




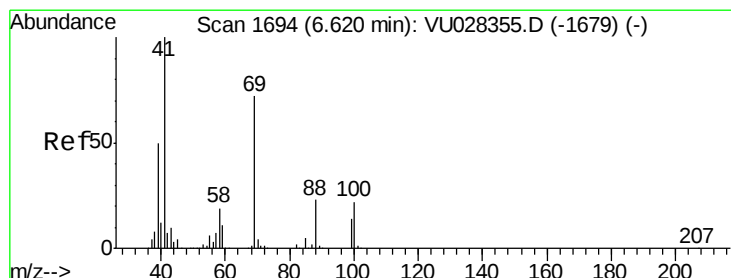
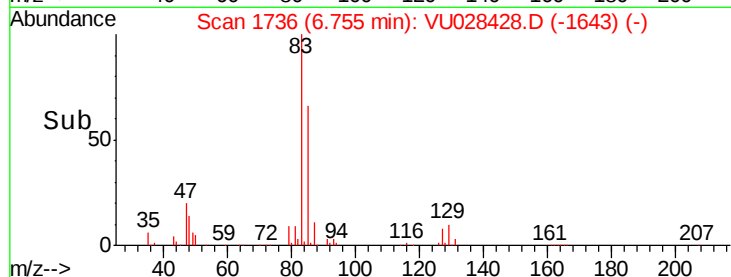
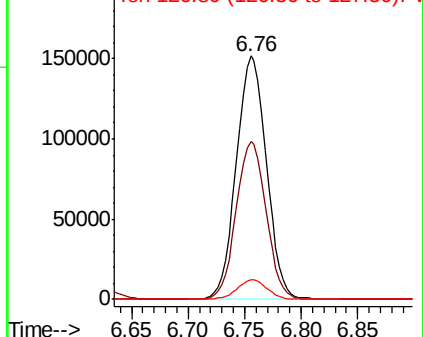
#47
Bromodichloromethane
Concen: 48.534 ug/l
RT: 6.76 min Scan# 1736
Delta R.T. 0.00 min
Lab File: VU028428.D
Acq: 03 Dec 2018 09:50

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion: 83 Resp: 282402
Ion Ratio Lower Upper
83 100
85 65.1 50.9 76.3
127 8.0 6.2 9.4

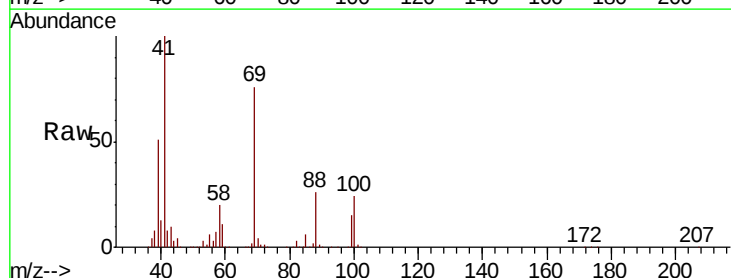


Abundance Ion 82.90 (82.60 to 83.60): VU0
Ion 84.90 (84.60 to 85.60): VU0
Ion 126.80 (126.50 to 127.50): V

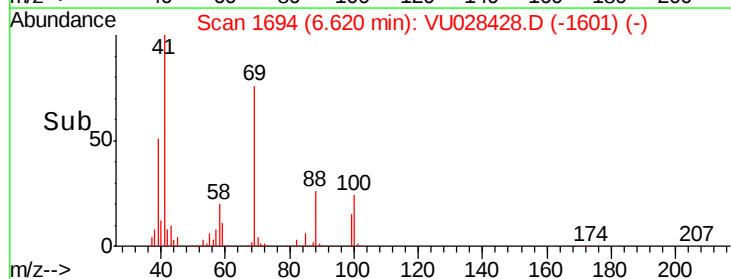
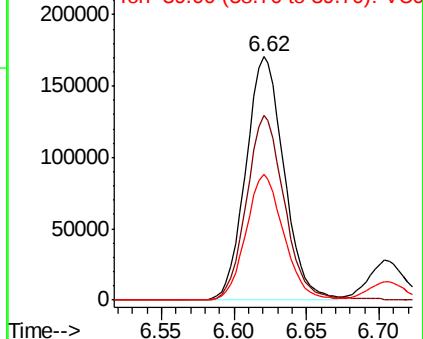


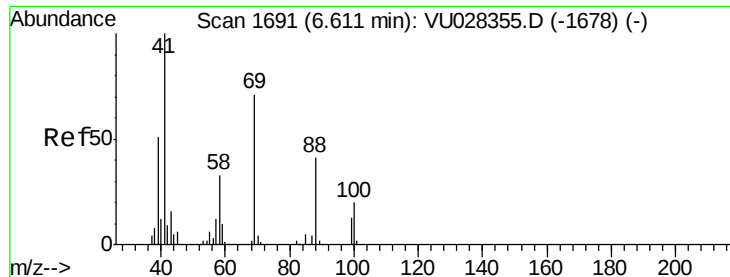
#48
Methyl methacrylate
Concen: 47.120 ug/l
RT: 6.62 min Scan# 1694
Delta R.T. 0.00 min
Lab File: VU028428.D
Acq: 03 Dec 2018 09:50

Tgt Ion: 41 Resp: 311240
Ion Ratio Lower Upper
41 100
69 76.0 59.0 88.4
39 50.8 40.5 60.7



Abundance Ion 41.00 (40.70 to 41.70): VU0
Ion 69.00 (68.70 to 69.70): VU0
Ion 39.00 (38.70 to 39.70): VU0

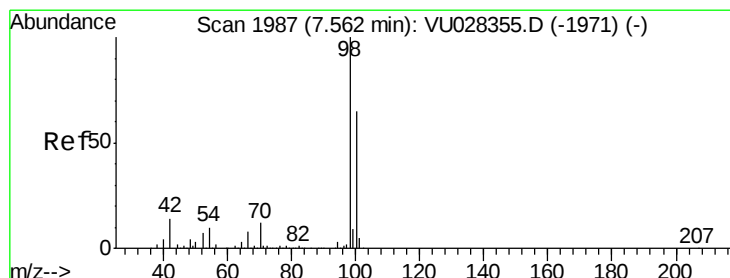
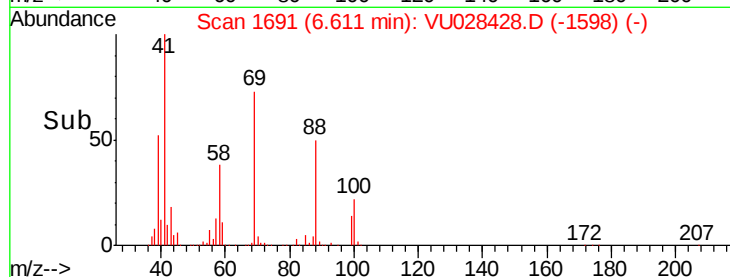
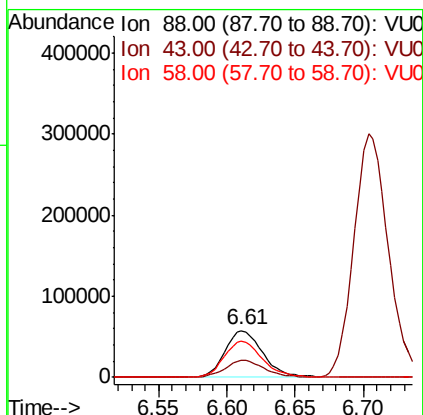
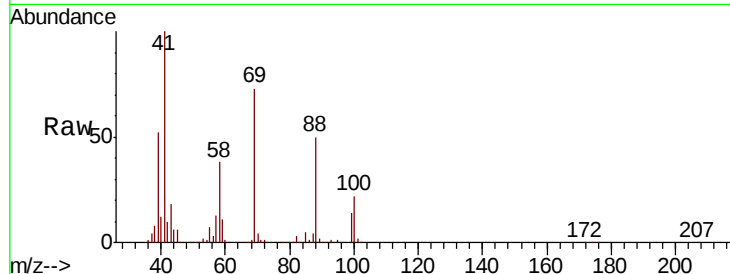




#49
1,4-Dioxane
Concen: 1032.252 ug/l
RT: 6.61 min Scan# 1691
Delta R.T. 0.00 min
Lab File: VU028428.D
Acq: 03 Dec 2018 09:50

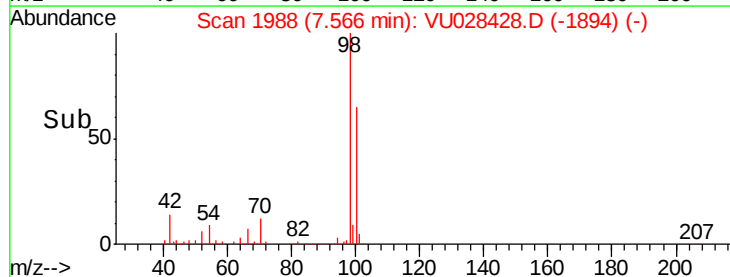
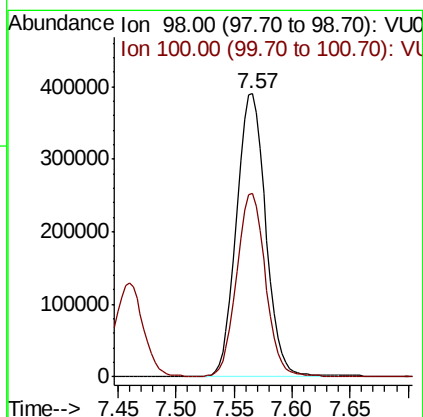
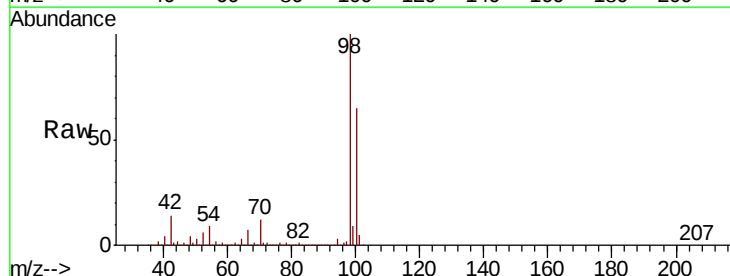
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

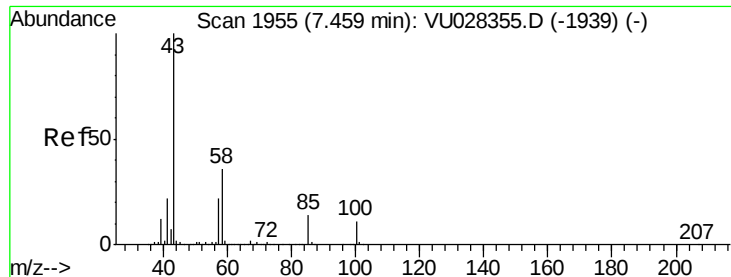
Tot Ion: 88 Resp: 108923
Ion Ratio Lower Upper
88 100
43 37.5 32.6 48.8
58 80.5 68.7 103.1



#50
Toluene-d8
Concen: 48.092 ug/l
RT: 7.57 min Scan# 1988
Delta R.T. 0.00 min
Lab File: VU028428.D
Acq: 03 Dec 2018 09:50

Tgt Ion: 98 Resp: 686268
Ion Ratio Lower Upper
98 100
100 63.3 50.8 76.2





#51

4-Methyl-2-Pentanone

Concen: 237.366 ug/l

RT: 7.46 min Scan# 1955

Delta R.T. 0.00 min

Lab File: VU028428.D

Acq: 03 Dec 2018 09:50

Instrument :

MSVOA_U

ClientSampleId :

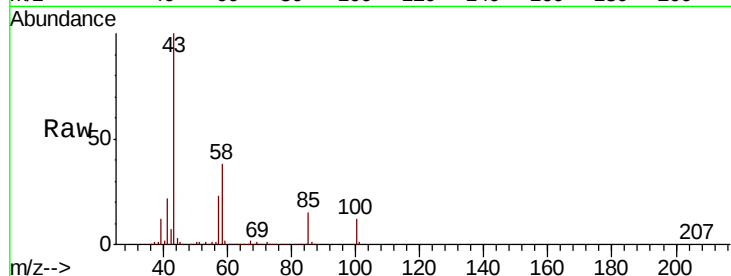
VSTDCCC050

Tot Ion: 43 Resp: 1922373

Ion Ratio Lower Upper

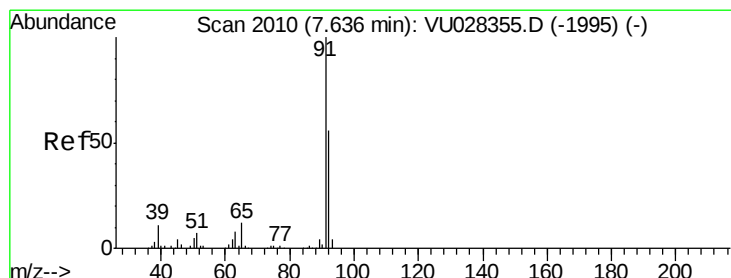
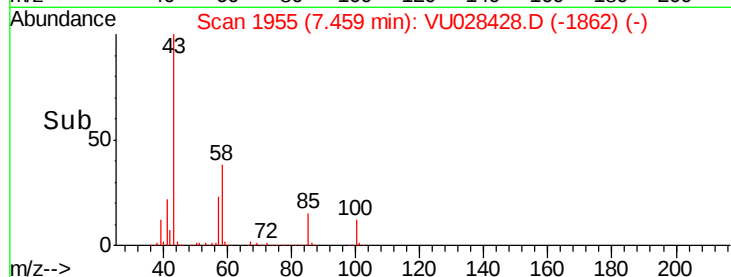
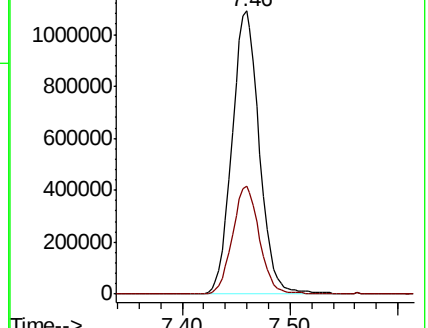
43 100

58 37.8 28.8 43.2



Abundance Ion 43.00 (42.70 to 43.70): VU028355.D (-1939) (-)

Ion 58.00 (57.70 to 58.70): VU028355.D (-1939) (-)



#52

Toluene

Concen: 51.563 ug/l

RT: 7.64 min Scan# 2010

Delta R.T. 0.00 min

Lab File: VU028428.D

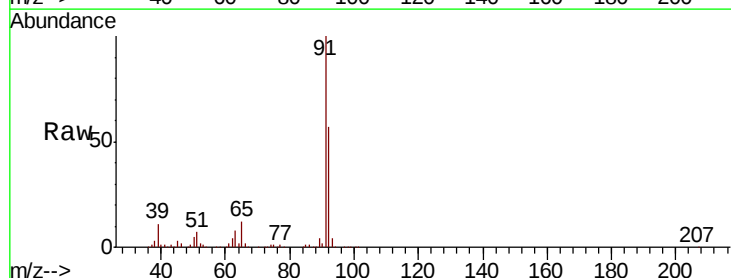
Acq: 03 Dec 2018 09:50

Tgt Ion: 92 Resp: 516382

Ion Ratio Lower Upper

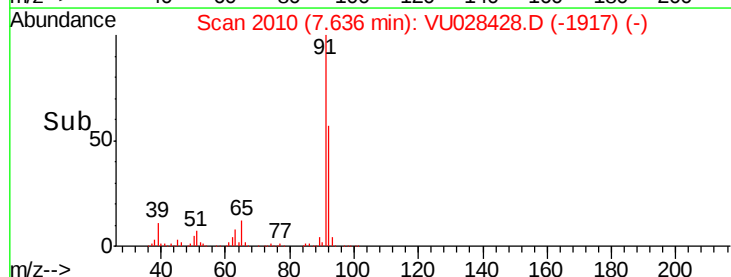
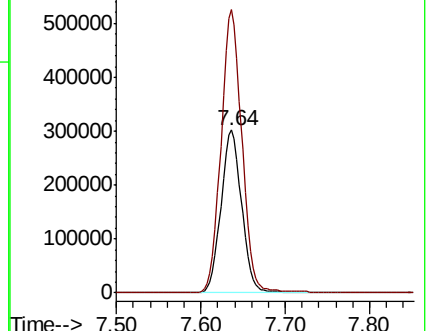
92 100

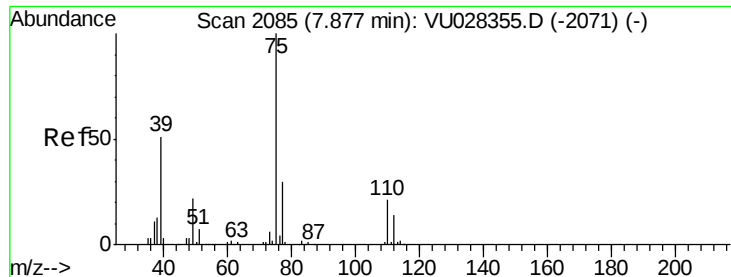
91 174.9 141.8 212.6



Abundance Ion 92.00 (91.70 to 92.70): VU028355.D (-1995) (-)

Ion 91.00 (90.70 to 91.70): VU028355.D (-1995) (-)





#53

t-1,3-Dichloropropene

Concen: 49.841 ug/l

RT: 7.88 min Scan# 2085

Delta R.T. 0.00 min

Lab File: VU028428.D

Acq: 03 Dec 2018 09:50

Instrument :

MSVOA_U

ClientSampleId :

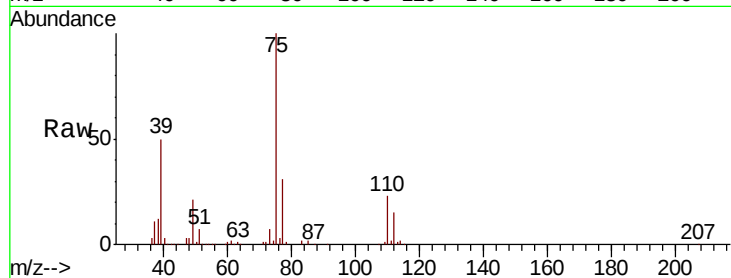
VSTDCCC050

Tot Ion: 75 Resp: 346780

Ion Ratio Lower Upper

75 100

77 31.0 24.1 36.1



Abundance Ion 74.90 (74.60 to 75.60): VU028428.D (-1992) (-)

Ion 76.90 (76.60 to 77.60): VU028428.D (-1992) (-)

7.88

250000

200000

150000

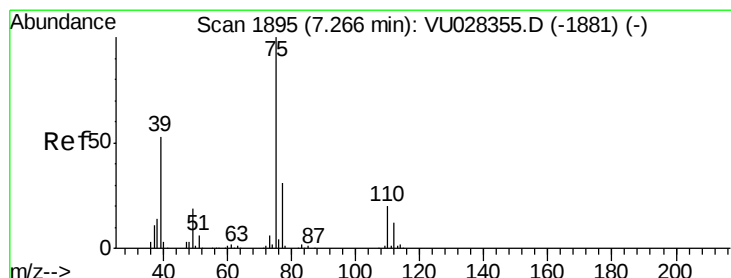
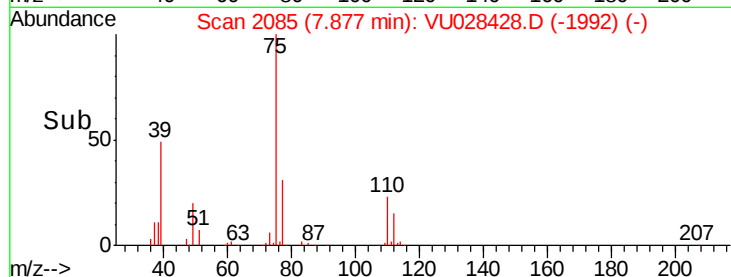
100000

50000

0

7.80 7.90 8.00

Time-->



#54

cis-1,3-Dichloropropene

Concen: 49.645 ug/l

RT: 7.27 min Scan# 1895

Delta R.T. 0.00 min

Lab File: VU028428.D

Acq: 03 Dec 2018 09:50

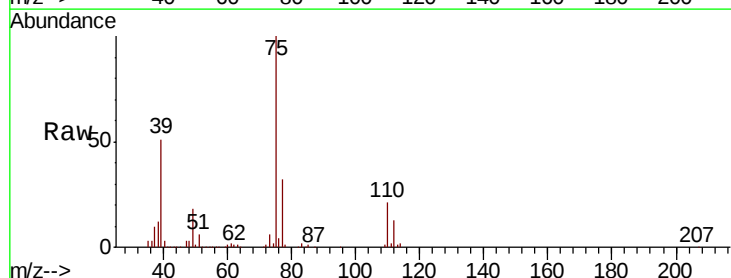
Tgt Ion: 75 Resp: 370044

Ion Ratio Lower Upper

75 100

77 31.6 24.9 37.3

39 50.7 42.6 64.0



Abundance Ion 74.90 (74.60 to 75.60): VU028428.D (-1802) (-)

Ion 76.90 (76.60 to 77.60): VU028428.D (-1802) (-)

Ion 39.00 (38.70 to 39.70): VU028428.D (-1802) (-)

7.27

250000

200000

150000

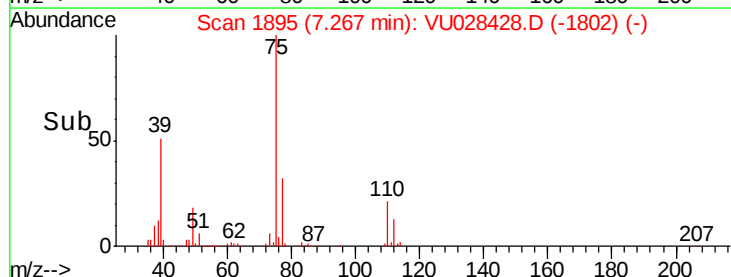
100000

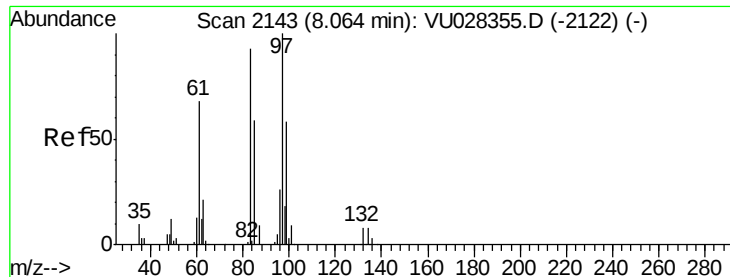
50000

0

7.20 7.30 7.40

Time-->





#55

1,1,2-Trichloroethane

Concen: 48.374 ug/l

RT: 8.07 min Scan# 2144

Delta R.T. 0.00 min

Lab File: VU028428.D

Acq: 03 Dec 2018 09:50

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

Tot Ion: 97 Resp: 201619

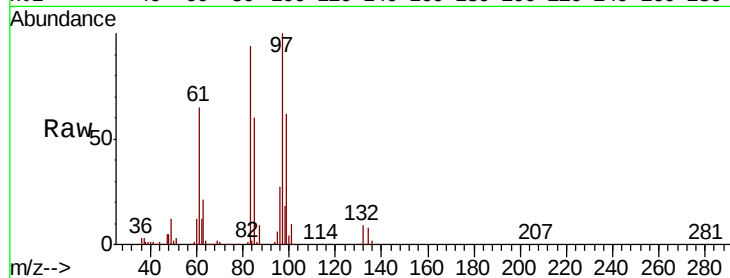
Ion Ratio Lower Upper

97 100

83 94.4 74.3 111.5

85 60.4 47.2 70.8

99 61.9 48.9 73.3

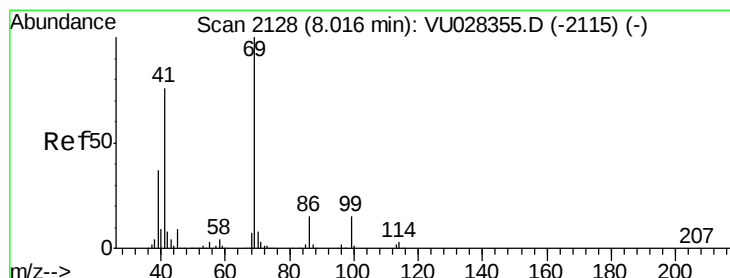
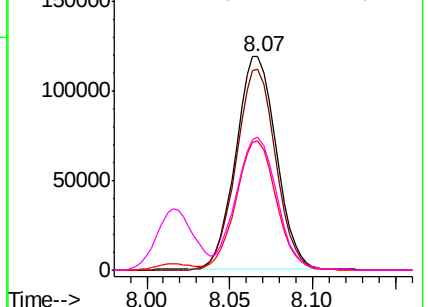
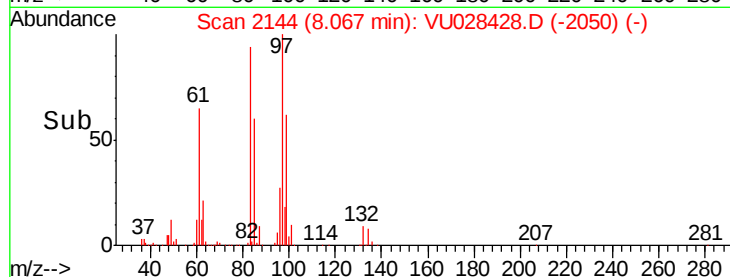


Abundance Ion 96.90 (96.60 to 97.60): VU0

Ion 82.90 (82.60 to 83.60): VU0

Ion 84.90 (84.60 to 85.60): VU0

Ion 98.90 (98.60 to 99.60): VU0



#56

Ethyl methacrylate

Concen: 49.967 ug/l

RT: 8.02 min Scan# 2128

Delta R.T. 0.00 min

Lab File: VU028428.D

Acq: 03 Dec 2018 09:50

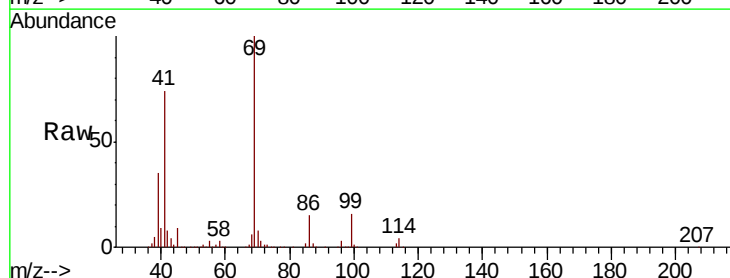
Tgt Ion: 69 Resp: 354295

Ion Ratio Lower Upper

69 100

41 74.3 60.0 90.0

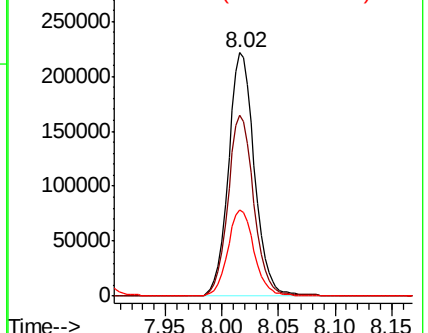
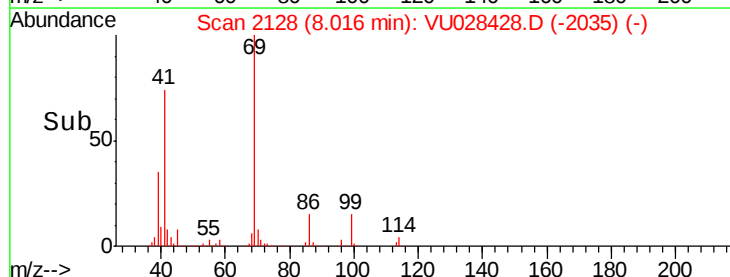
39 35.3 29.0 43.6

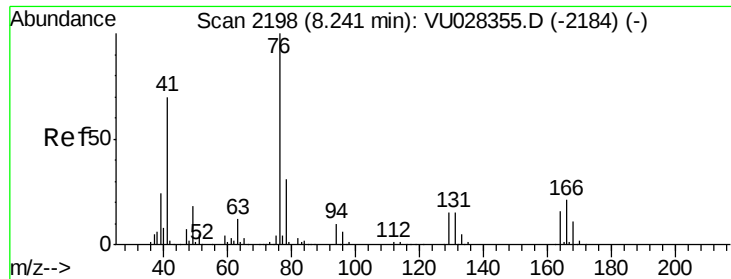


Abundance Ion 69.00 (68.70 to 69.70): VU0

Ion 41.00 (40.70 to 41.70): VU0

Ion 39.00 (38.70 to 39.70): VU0

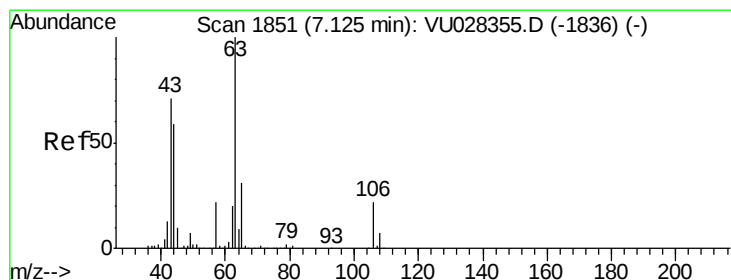
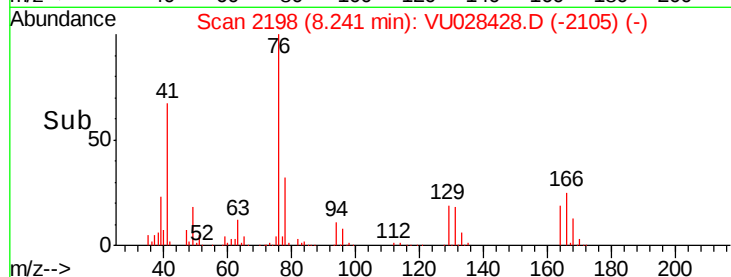
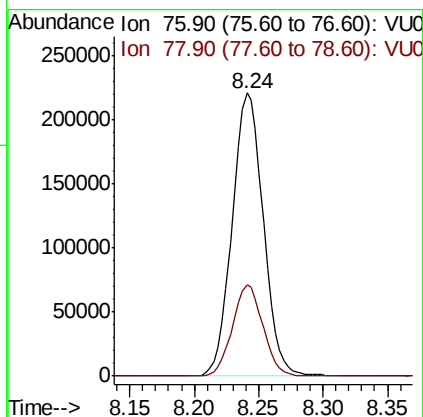
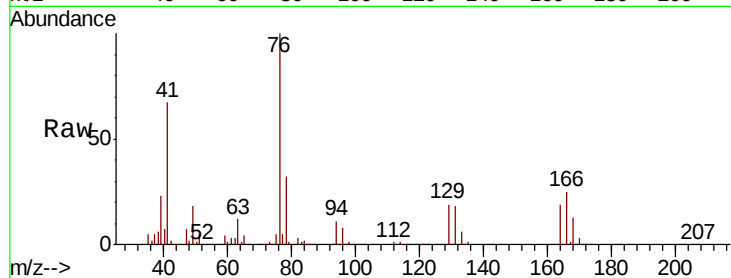




#57
 1,3-Dichloropropane
 Concen: 48.517 ug/l
 RT: 8.24 min Scan# 2198
 Delta R.T. 0.00 min
 Lab File: VU028428.D
 Acq: 03 Dec 2018 09:50

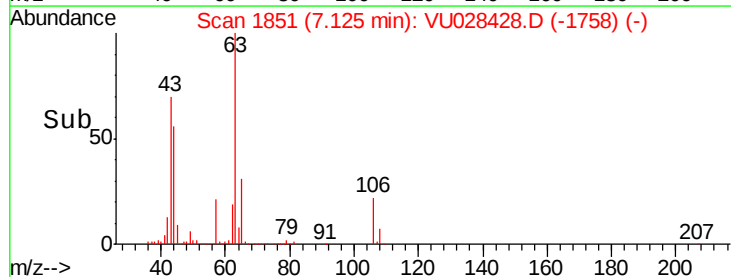
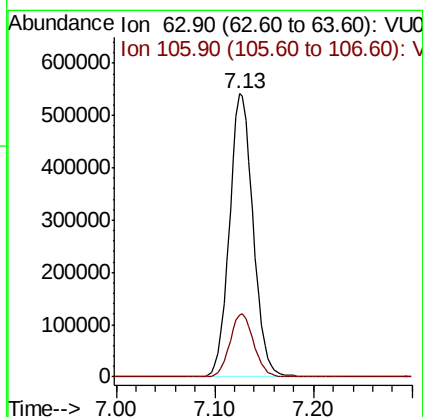
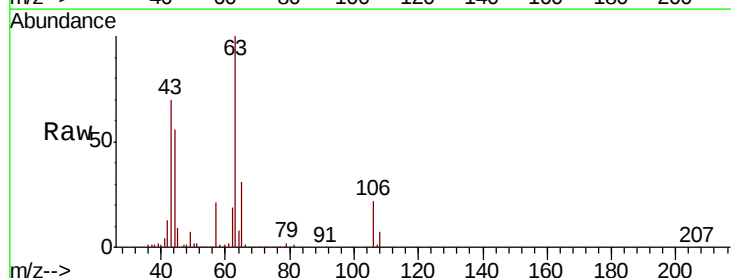
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

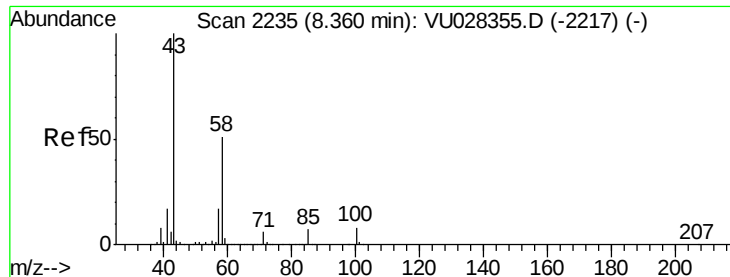
Tot Ion: 76 Resp: 370832
 Ion Ratio Lower Upper
 76 100
 78 31.5 25.4 38.0



#58
 2-Chloroethyl Vinyl ether
 Concen: 238.894 ug/l
 RT: 7.13 min Scan# 1851
 Delta R.T. 0.00 min
 Lab File: VU028428.D
 Acq: 03 Dec 2018 09:50

Tgt Ion: 63 Resp: 909427
 Ion Ratio Lower Upper
 63 100
 106 22.4 17.3 25.9

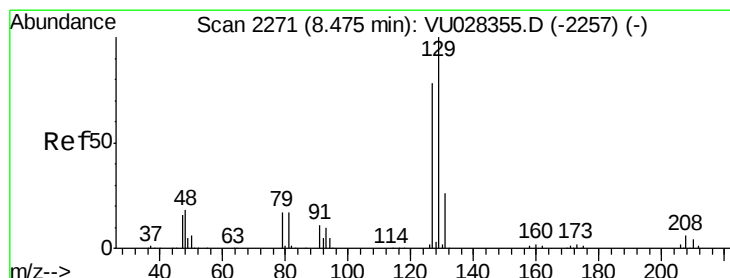
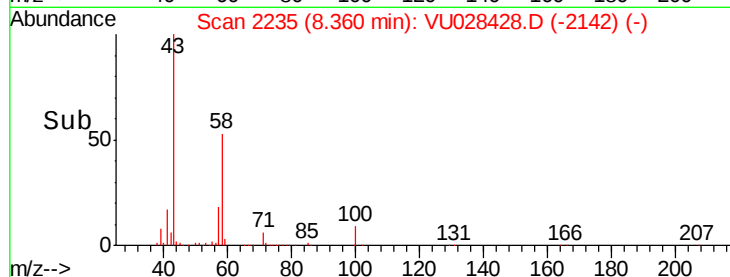
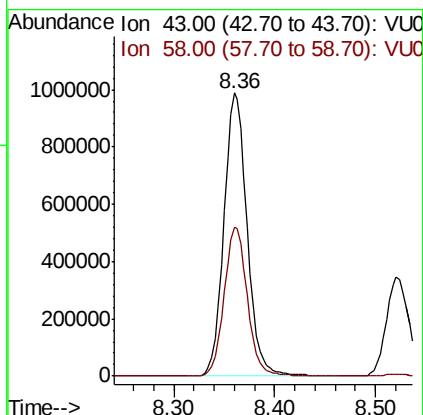
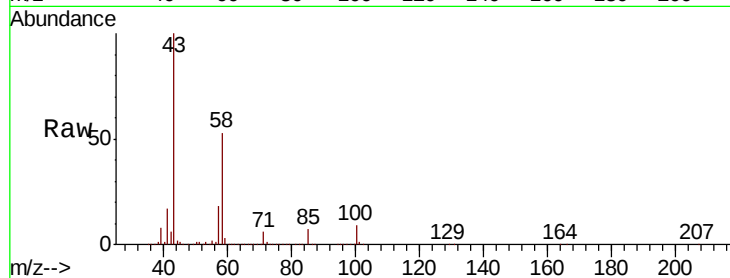




#59
2-Hexanone
Concen: 252.732 ug/l
RT: 8.36 min Scan# 2235
Delta R.T. 0.00 min
Lab File: VU028428.D
Acq: 03 Dec 2018 09:50

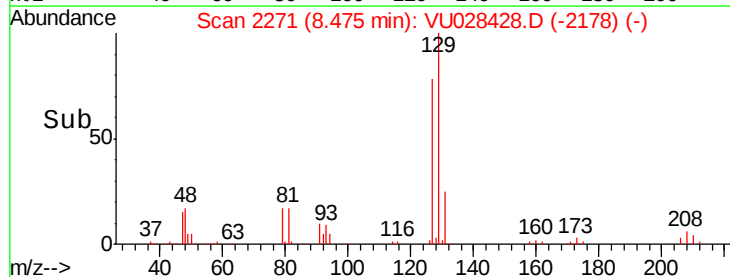
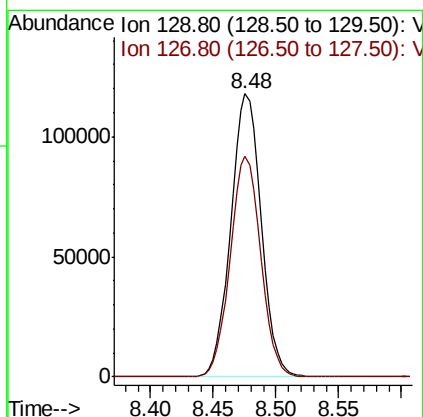
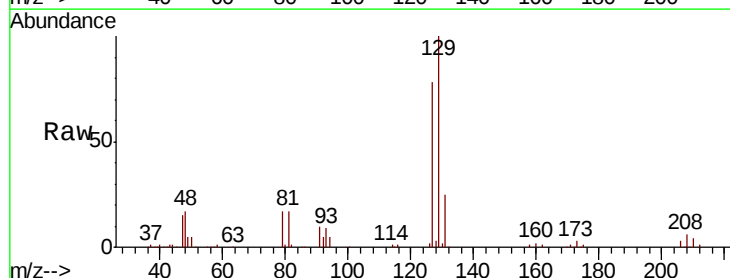
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

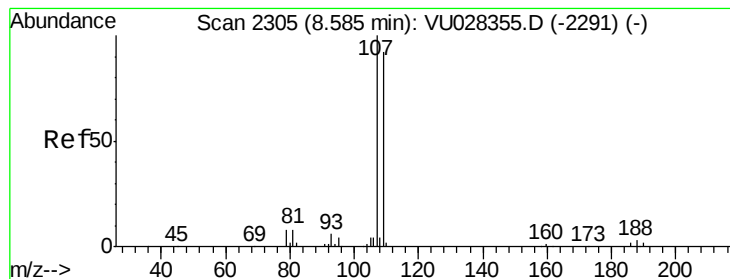
Tot Ion: 43 Resp: 1585468
Ion Ratio Lower Upper
43 100
58 52.7 25.5 76.5



#60
Dibromochloromethane
Concen: 50.178 ug/l
RT: 8.48 min Scan# 2271
Delta R.T. 0.00 min
Lab File: VU028428.D
Acq: 03 Dec 2018 09:50

Tgt Ion: 129 Resp: 198905
Ion Ratio Lower Upper
129 100
127 77.9 38.9 116.7





#61

1,2-Dibromoethane

Concen: 51.744 ug/l

RT: 8.58 min Scan# 2305

Delta R.T. 0.00 min

Lab File: VU028428.D

Acq: 03 Dec 2018 09:50

Instrument :

MSVOA_U

ClientSampleId :

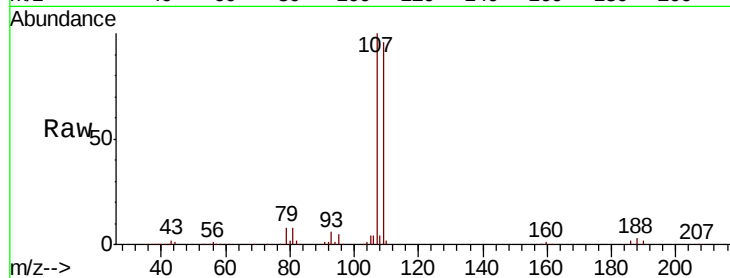
VSTDCCC050

Tot Ion:107 Resp: 220882

Ion Ratio Lower Upper

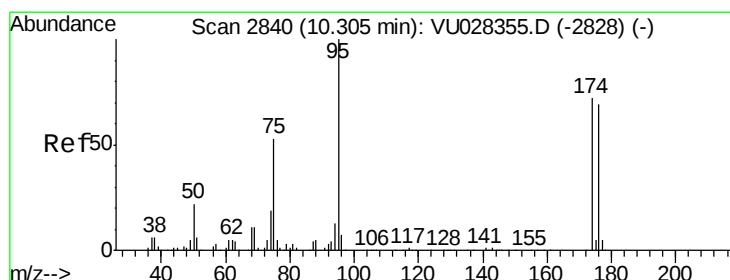
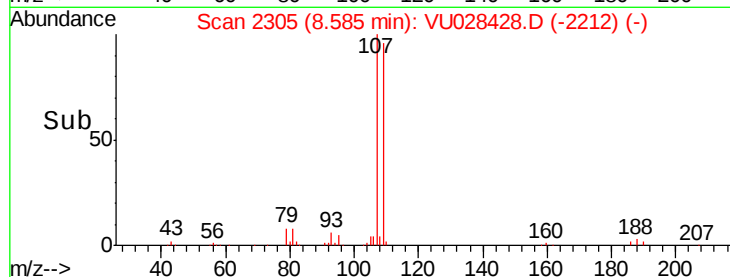
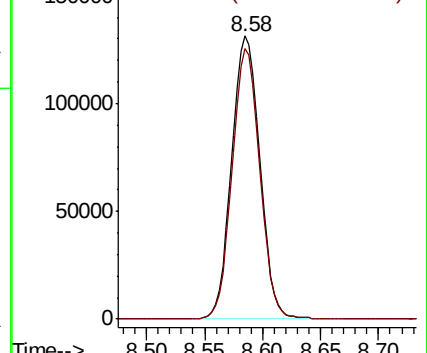
107 100

109 93.4 73.2 109.8



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 50.587 ug/l

RT: 10.30 min Scan# 2840

Delta R.T. 0.00 min

Lab File: VU028428.D

Acq: 03 Dec 2018 09:50

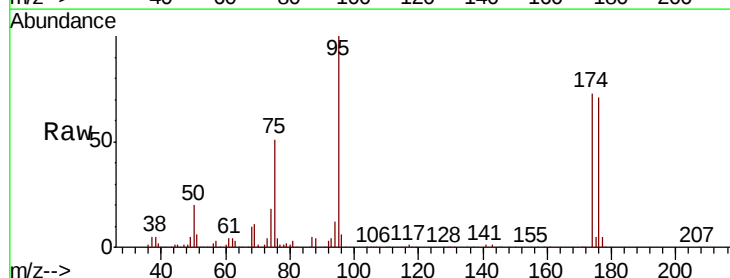
Tgt Ion: 95 Resp: 260183

Ion Ratio Lower Upper

95 100

174 75.0 0.0 145.4

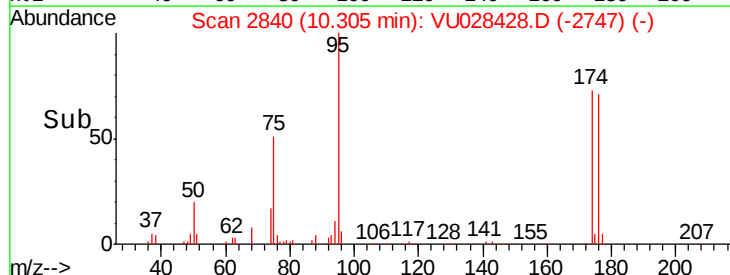
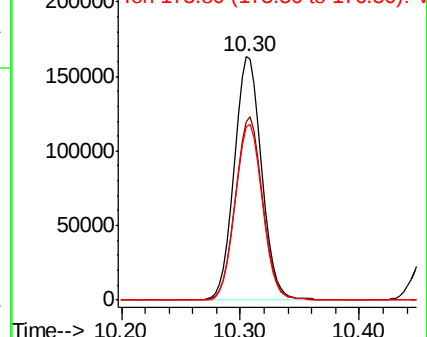
176 72.5 0.0 140.8

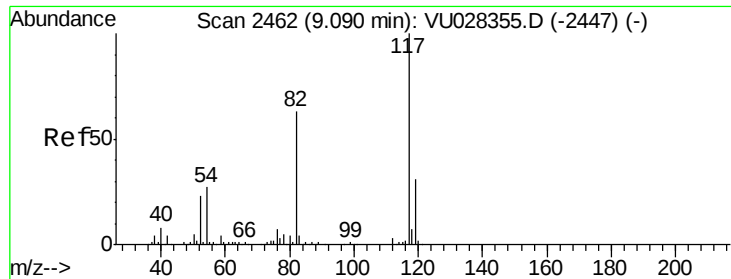


Abundance Ion 94.90 (94.60 to 95.60): VU0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

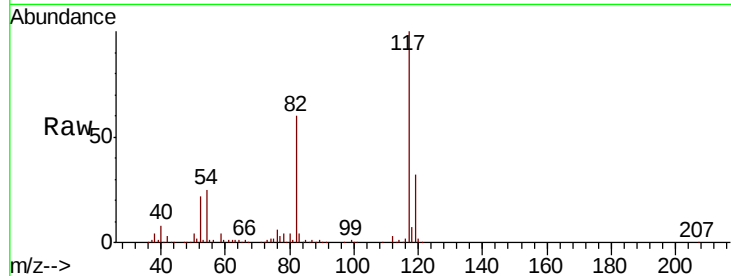




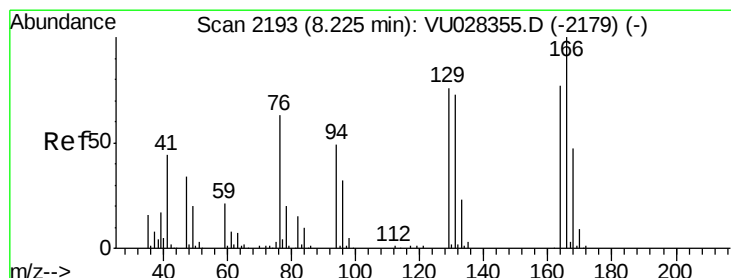
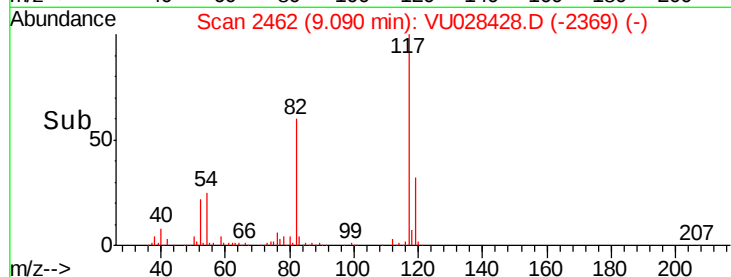
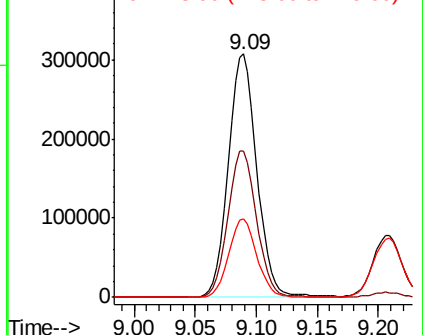
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.09 min Scan# 2462
Delta R.T. 0.00 min
Lab File: VU028428.D
Acq: 03 Dec 2018 09:50

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion:117 Resp: 502849
Ion Ratio Lower Upper
117 100
82 60.3 50.3 75.5
119 32.3 24.8 37.2

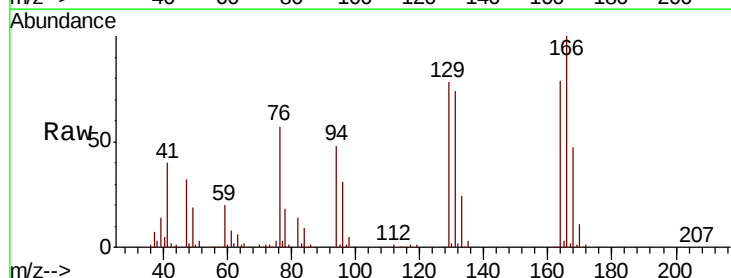


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

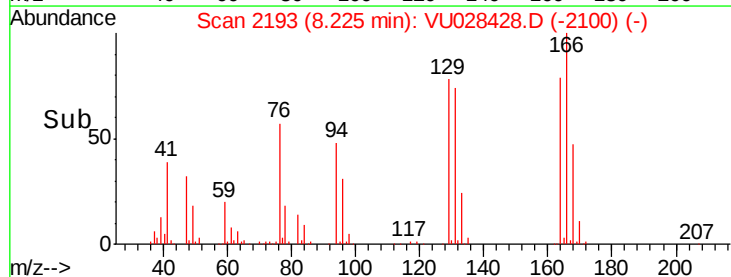
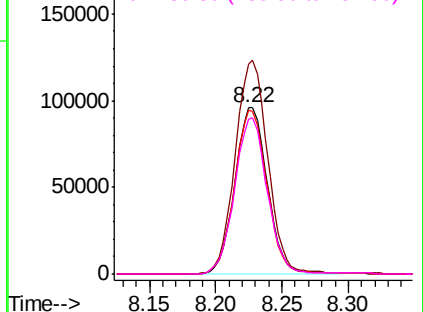


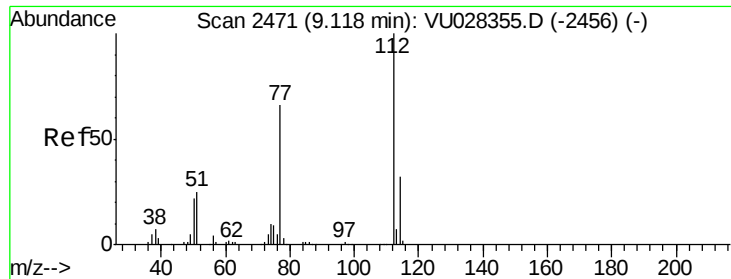
#64
Tetrachloroethene
Concen: 49.585 ug/l
RT: 8.22 min Scan# 2193
Delta R.T. 0.00 min
Lab File: VU028428.D
Acq: 03 Dec 2018 09:50

Tgt Ion:164 Resp: 164013
Ion Ratio Lower Upper
164 100
166 126.7 104.0 156.0
129 98.9 79.2 118.8
131 93.5 75.7 113.5



Abundance Ion 163.80 (163.50 to 164.50): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V

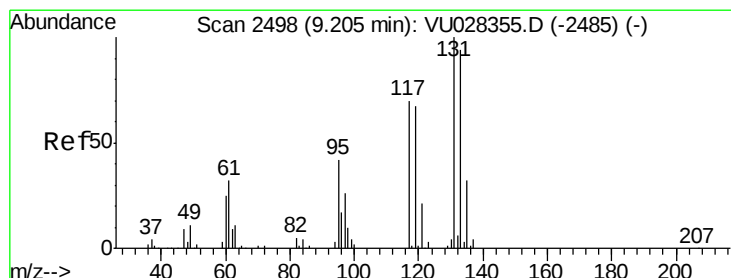
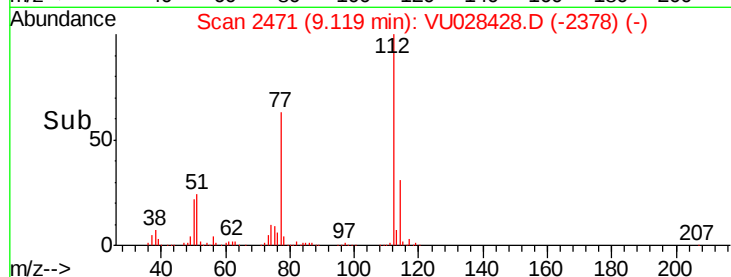
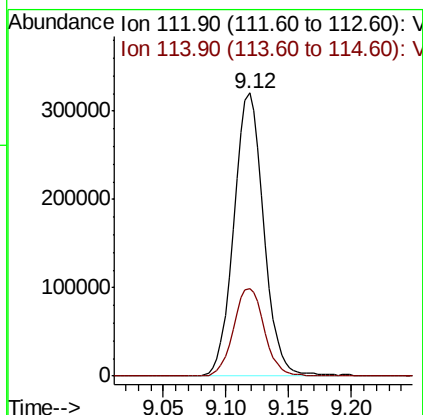
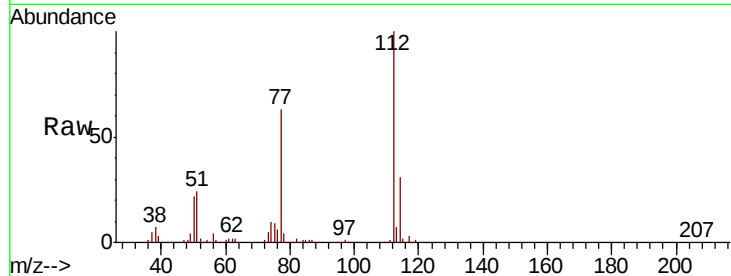




#65
Chlorobenzene
Concen: 50.910 ug/l
RT: 9.12 min Scan# 2471
Delta R.T. 0.00 min
Lab File: VU028428.D
Acq: 03 Dec 2018 09:50

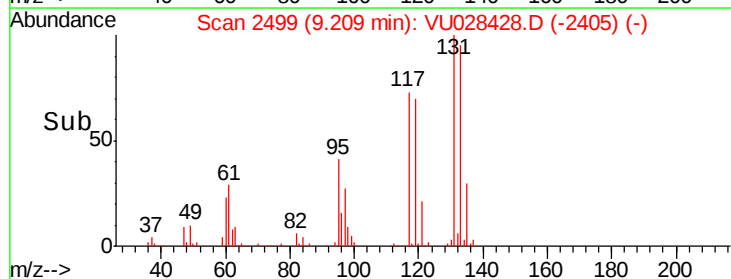
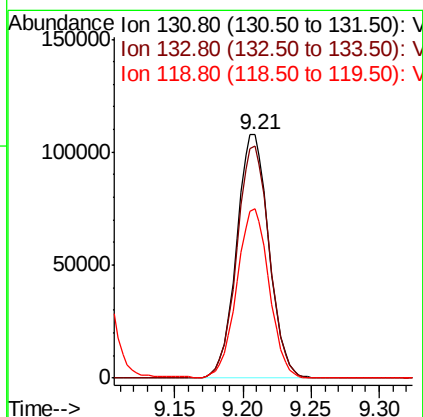
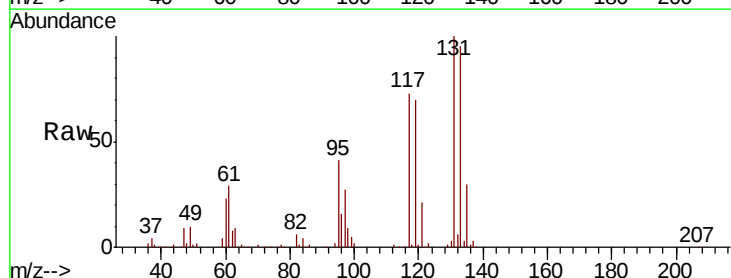
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

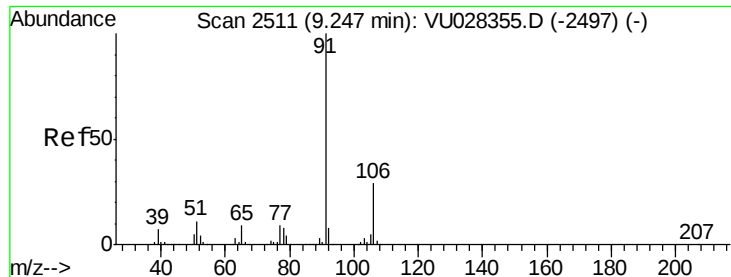
Tot Ion:112 Resp: 531562
Ion Ratio Lower Upper
112 100
114 30.9 25.7 38.5



#66
1,1,1,2-Tetrachloroethane
Concen: 49.637 ug/l
RT: 9.21 min Scan# 2499
Delta R.T. 0.00 min
Lab File: VU028428.D
Acq: 03 Dec 2018 09:50

Tgt Ion:131 Resp: 177651
Ion Ratio Lower Upper
131 100
133 96.0 47.3 141.8
119 69.0 34.1 102.2





#67

Ethyl Benzene

Concen: 51.135 ug/l

RT: 9.25 min Scan# 2511

Delta R.T. 0.00 min

Lab File: VU028428.D

Acq: 03 Dec 2018 09:50

Instrument :

MSVOA_U

ClientSampleId :

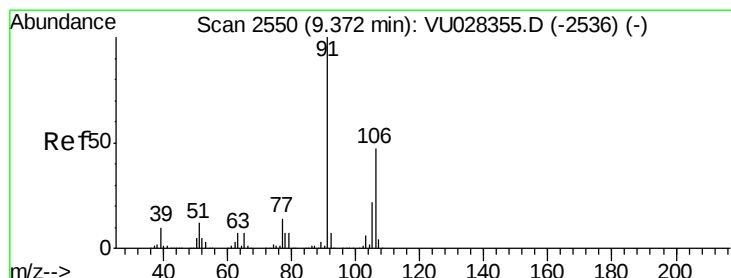
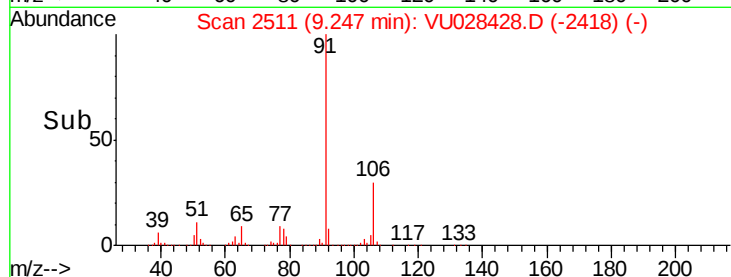
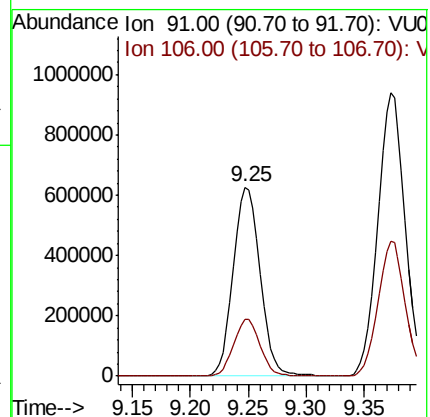
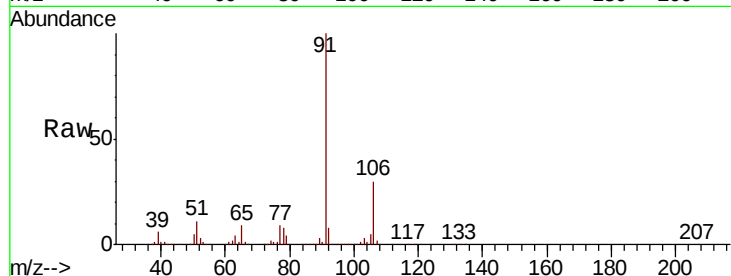
VSTDCCC050

Tot Ion: 91 Resp: 1005585

Ion Ratio Lower Upper

91 100

106 29.9 23.3 34.9



#68

m/p-Xylenes

Concen: 103.626 ug/l

RT: 9.37 min Scan# 2550

Delta R.T. 0.00 min

Lab File: VU028428.D

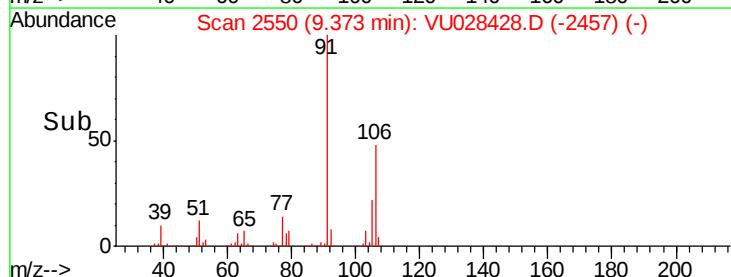
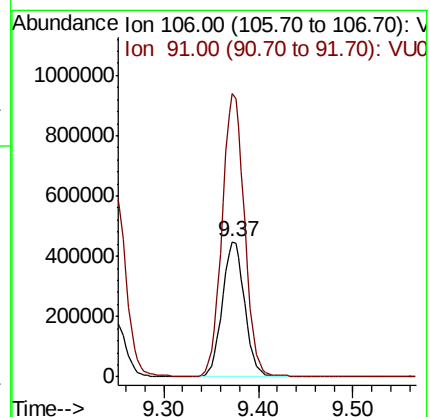
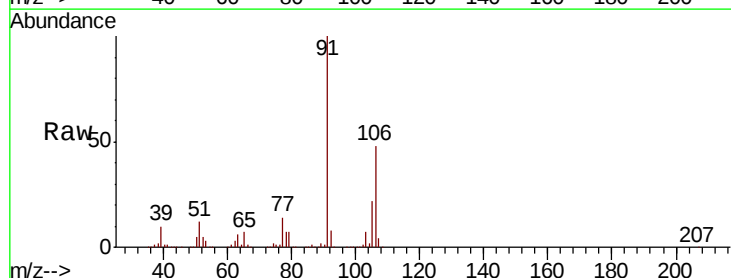
Acq: 03 Dec 2018 09:50

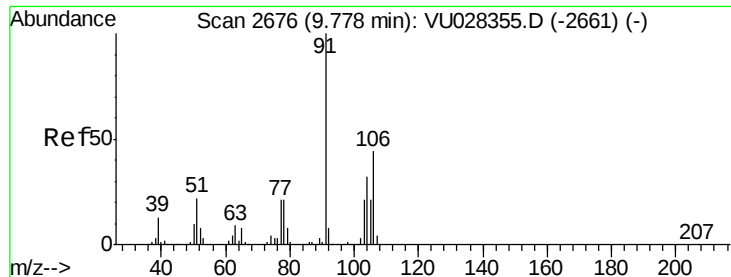
Tgt Ion: 106 Resp: 733491

Ion Ratio Lower Upper

106 100

91 210.8 171.0 256.6

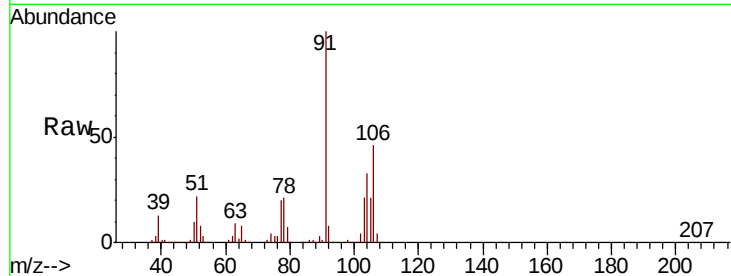




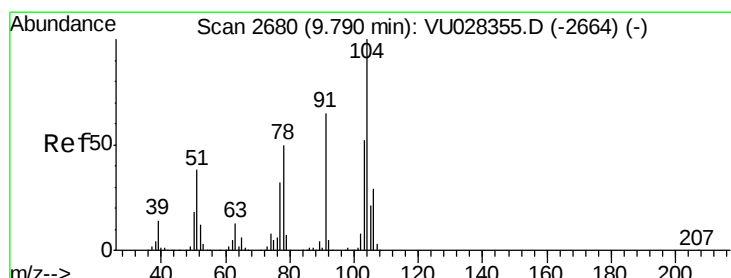
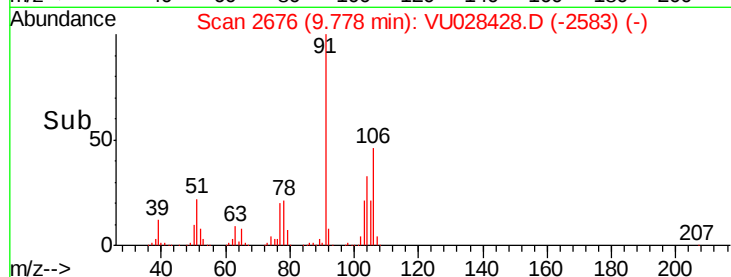
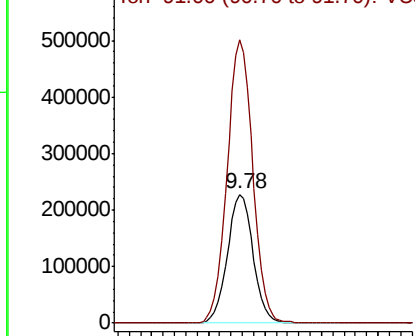
#69
o-Xylene
Concen: 50.960 ug/l
RT: 9.78 min Scan# 2676
Delta R.T. 0.00 min
Lab File: VU028428.D
Acq: 03 Dec 2018 09:50

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion:106 Resp: 358579
Ion Ratio Lower Upper
106 100
91 220.4 112.7 338.0

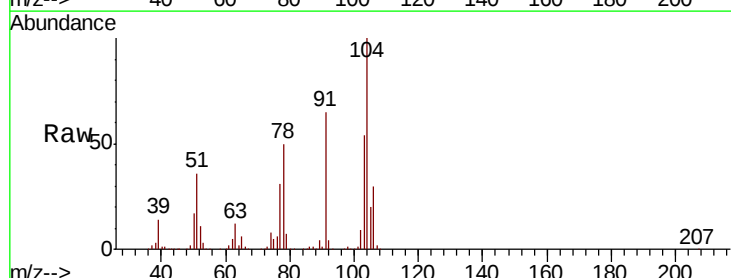


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VU0

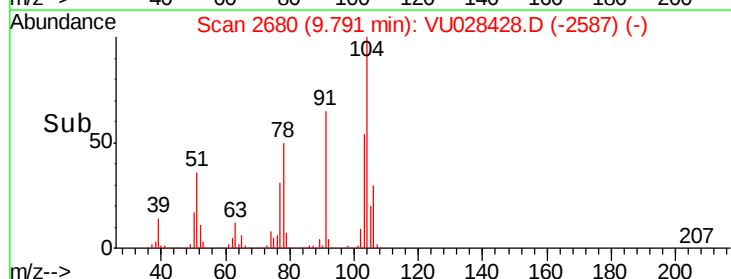
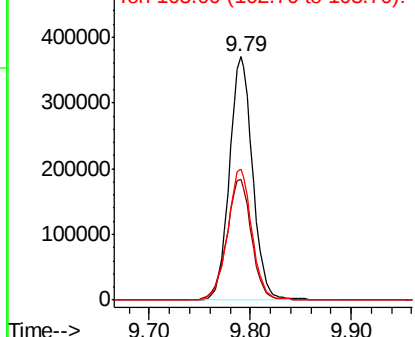


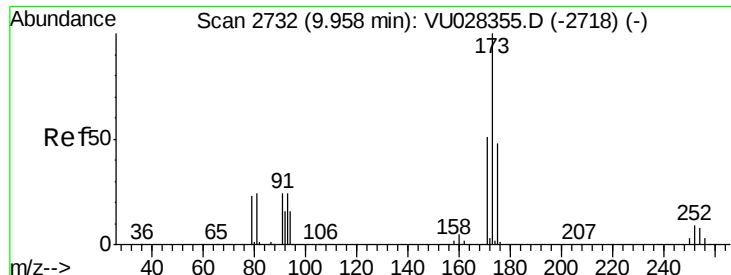
#70
Styrene
Concen: 52.264 ug/l
RT: 9.79 min Scan# 2680
Delta R.T. 0.00 min
Lab File: VU028428.D
Acq: 03 Dec 2018 09:50

Tgt Ion:104 Resp: 593104
Ion Ratio Lower Upper
104 100
78 53.3 43.3 64.9
103 56.5 44.8 67.2



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VU0
Ion 103.00 (102.70 to 103.70): V





#71

Bromoform

Concen: 50.896 ug/l

RT: 9.96 min Scan# 2732

Delta R.T. 0.00 min

Lab File: VU028428.D

Acq: 03 Dec 2018 09:50

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

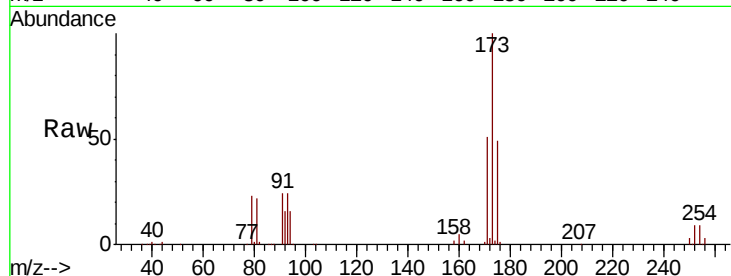
Tot Ion:173 Resp: 153107

Ion Ratio Lower Upper

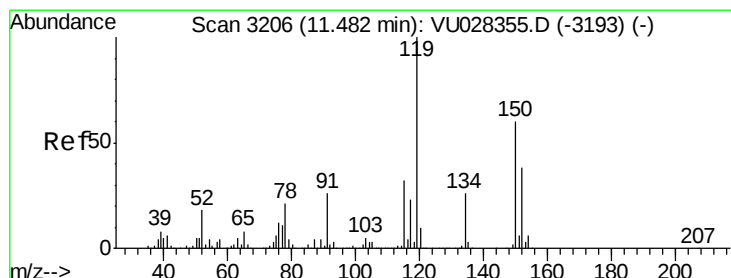
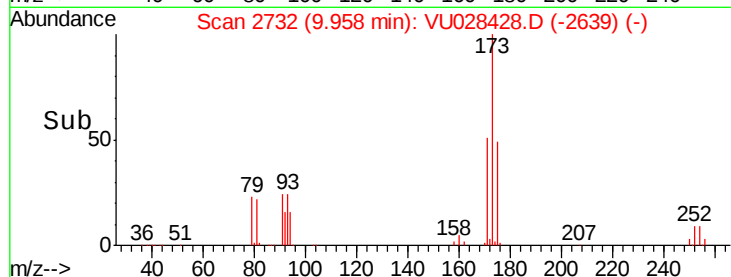
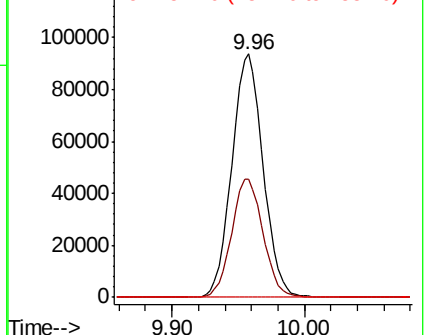
173 100

175 48.8 24.1 72.4

254 0.1 0.0 0.0#



Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 11.48 min Scan# 3206

Delta R.T. 0.00 min

Lab File: VU028428.D

Acq: 03 Dec 2018 09:50

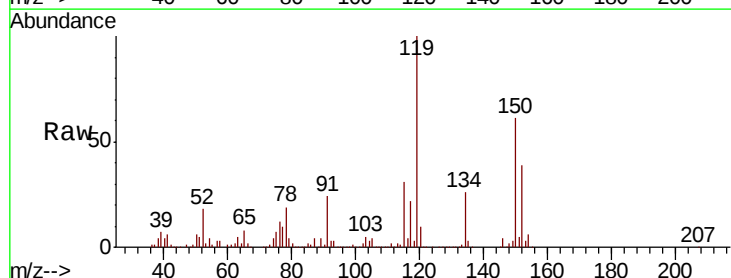
Tgt Ion:152 Resp: 253644

Ion Ratio Lower Upper

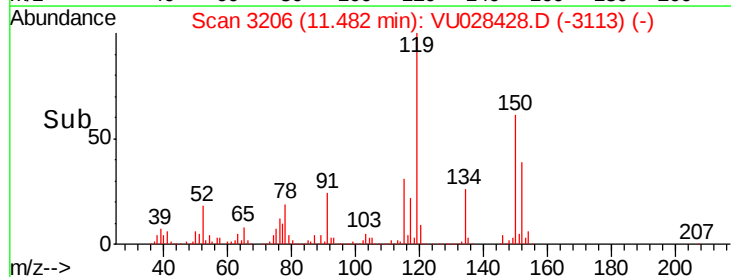
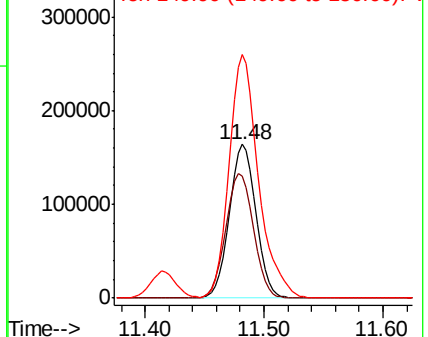
152 100

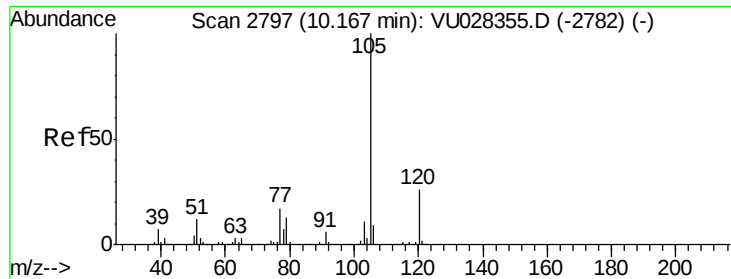
115 84.8 45.0 134.8

150 174.4 0.0 349.2



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 47.730 ug/l

RT: 10.17 min Scan# 2797

Delta R.T. 0.00 min

Lab File: VU028428.D

Acq: 03 Dec 2018 09:50

Instrument :

MSVOA_U

ClientSampleId :

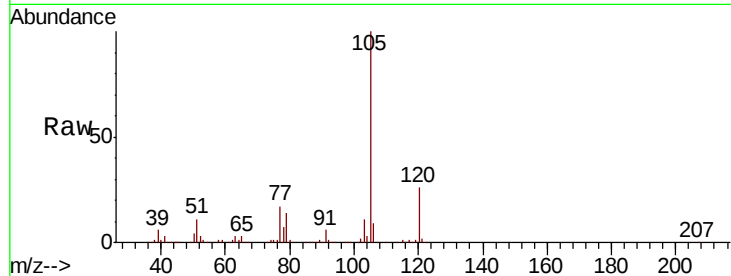
VSTDCCC050

Tot Ion:105 Resp: 941575

Ion Ratio Lower Upper

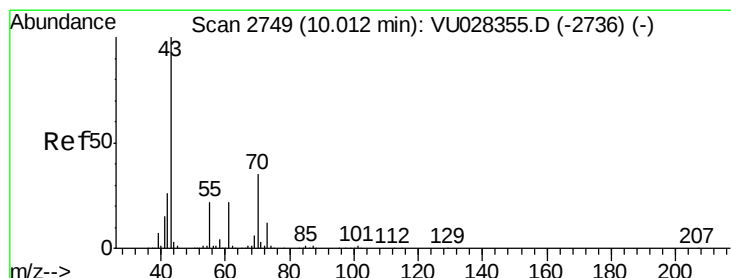
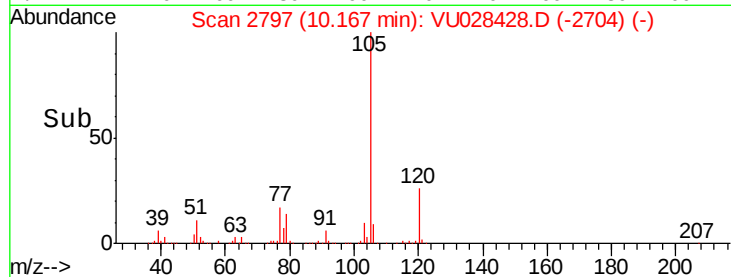
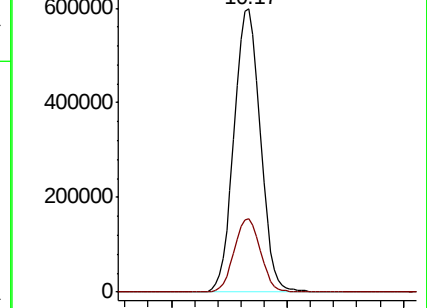
105 100

120 25.9 12.8 38.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 43.541 ug/l

RT: 10.01 min Scan# 2749

Delta R.T. 0.00 min

Lab File: VU028428.D

Acq: 03 Dec 2018 09:50

Tgt Ion: 43 Resp: 538158

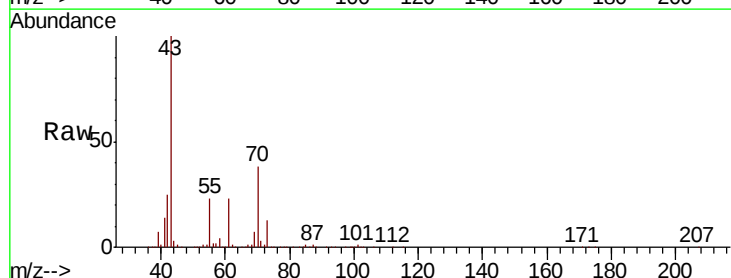
Ion Ratio Lower Upper

43 100

70 37.7 28.4 42.6

55 22.8 18.0 27.0

61 23.0 17.6 26.4

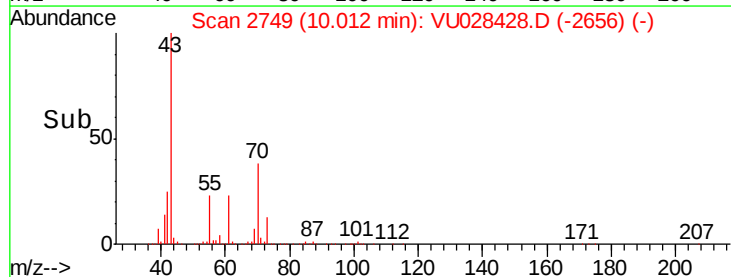
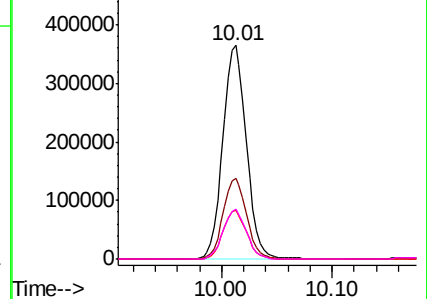


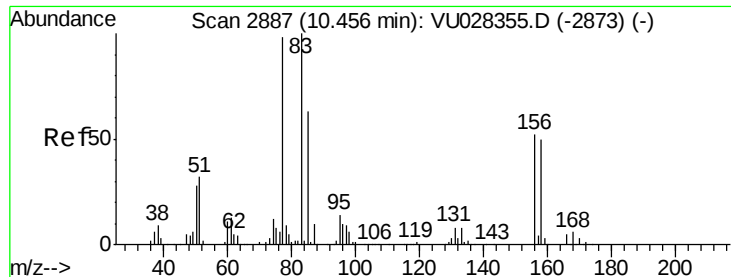
Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 70.00 (69.70 to 70.70): VU0

Ion 55.00 (54.70 to 55.70): VU0

Ion 61.00 (60.70 to 61.70): VU0





#75

1,1,2,2-Tetrachloroethane

Concen: 45.792 ug/l

RT: 10.46 min Scan# 2887

Delta R.T. 0.00 min

Lab File: VU028428.D

Acq: 03 Dec 2018 09:50

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

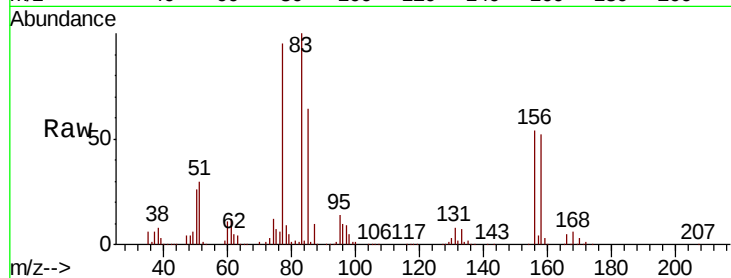
Tot Ion: 83 Resp: 371481

Ion Ratio Lower Upper

83 100

131 8.3 4.0 12.2

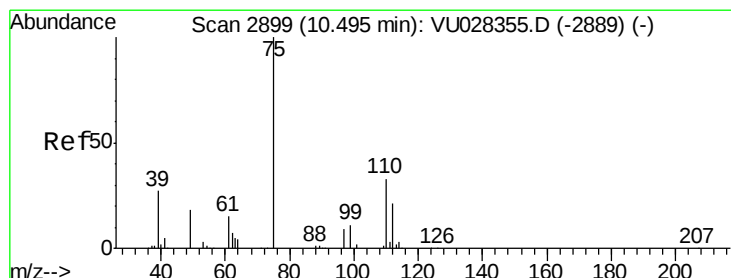
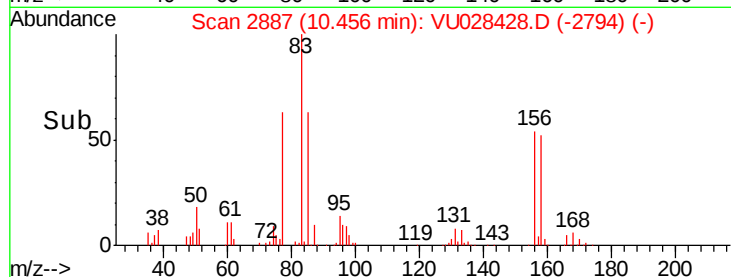
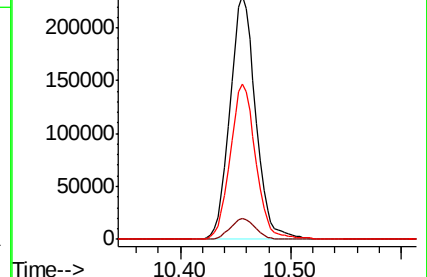
85 63.7 31.8 95.4



Abundance Ion 82.90 (82.60 to 83.60): VU0

Ion 130.80 (130.50 to 131.50): VU0

Ion 84.90 (84.60 to 85.60): VU0



#76

1,2,3-Trichloropropane

Concen: 63.638 ug/l

RT: 10.49 min Scan# 2898

Delta R.T. -0.00 min

Lab File: VU028428.D

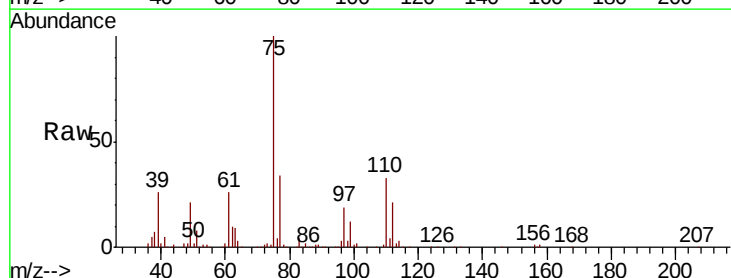
Acq: 03 Dec 2018 09:50

Tgt Ion: 75 Resp: 447613

Ion Ratio Lower Upper

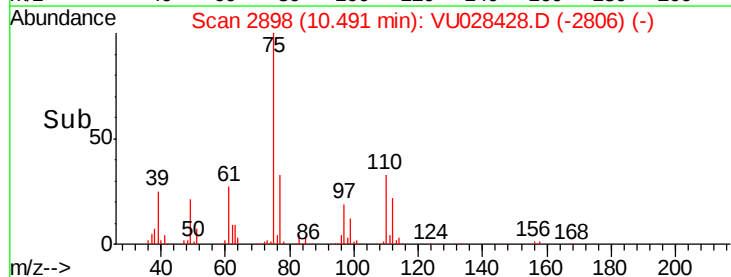
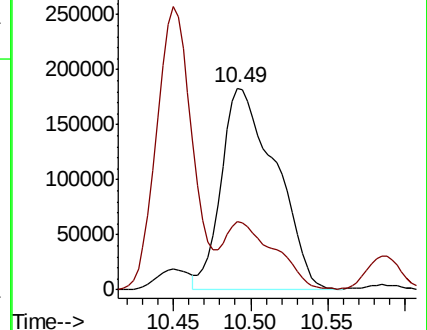
75 100

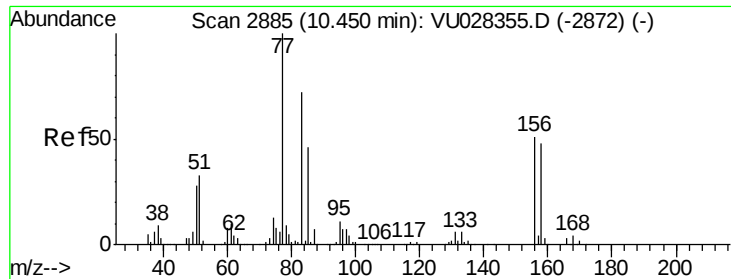
77 30.7 22.4 67.0



Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 77.00 (76.70 to 77.70): VU0





#77

Bromobenzene

Concen: 47.643 ug/l

RT: 10.45 min Scan# 2885

Delta R.T. 0.00 min

Lab File: VU028428.D

Acq: 03 Dec 2018 09:50

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

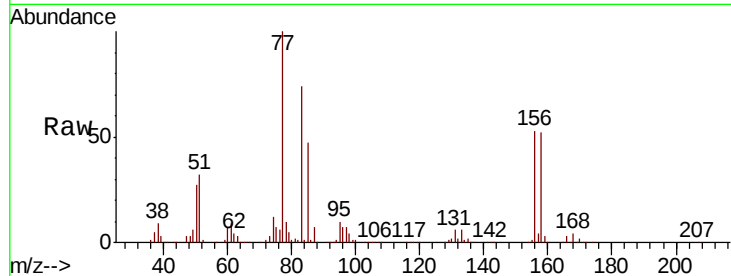
Tot Ion:156 Resp: 221461

Ion Ratio Lower Upper

156 100

77 185.4 97.0 290.9

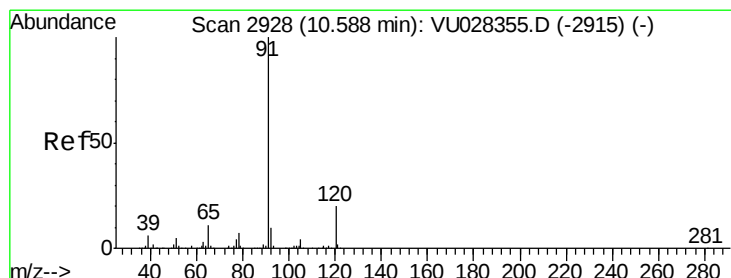
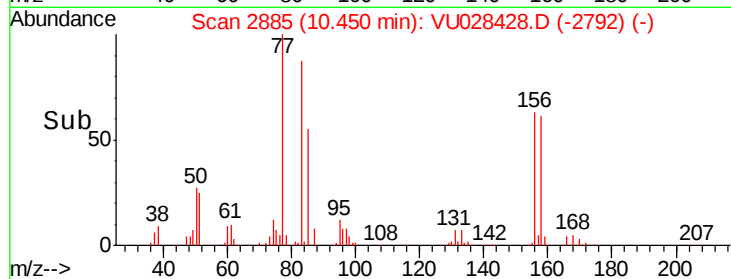
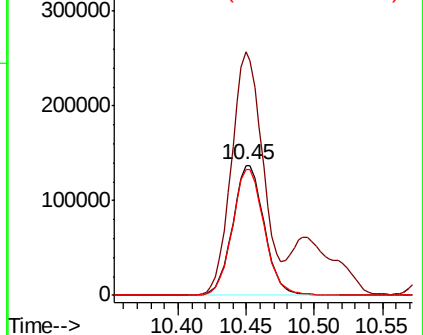
158 97.4 46.8 140.4



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VU0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 49.156 ug/l

RT: 10.58 min Scan# 2927

Delta R.T. -0.00 min

Lab File: VU028428.D

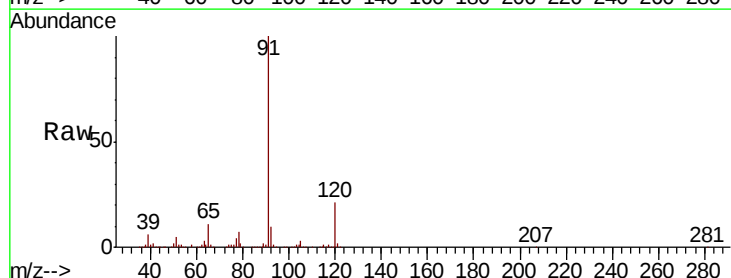
Acq: 03 Dec 2018 09:50

Tgt Ion: 91 Resp: 1196260

Ion Ratio Lower Upper

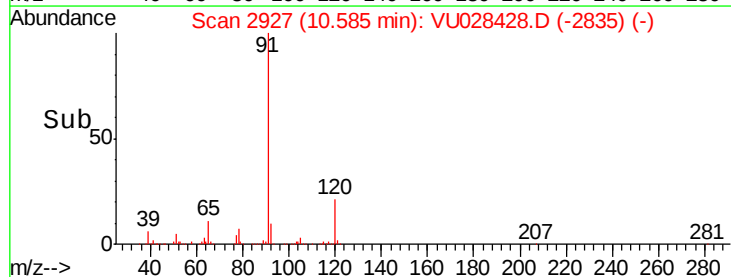
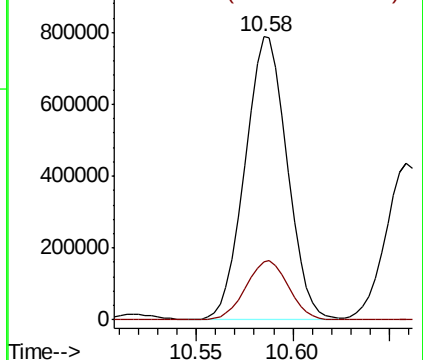
91 100

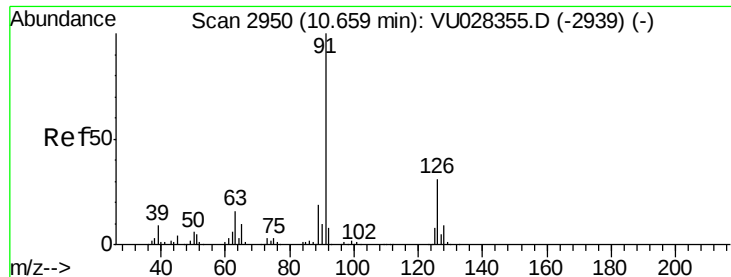
120 21.3 10.3 30.8



Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 47.373 ug/l

RT: 10.66 min Scan# 2950

Delta R.T. 0.00 min

Lab File: VU028428.D

Acq: 03 Dec 2018 09:50

Instrument :

MSVOA_U

ClientSampleId :

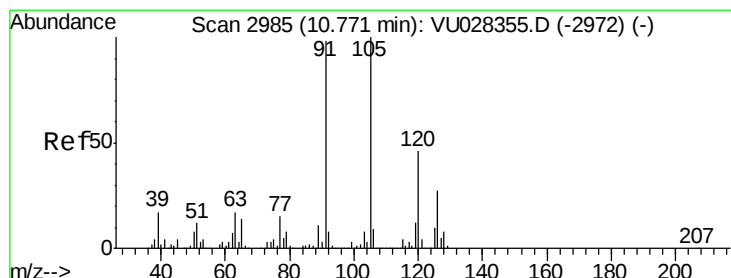
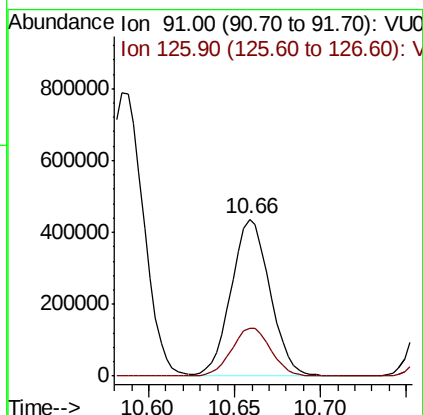
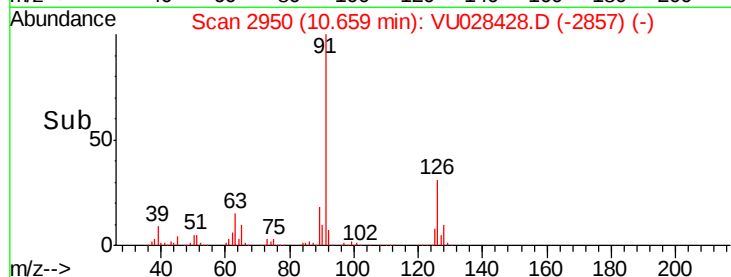
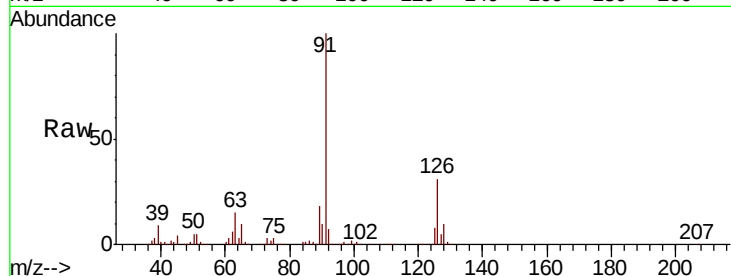
VSTDCCC050

Tot Ion: 91 Resp: 679617

Ion Ratio Lower Upper

91 100

126 31.4 15.4 46.1



#80

1,3,5-Trimethylbenzene

Concen: 48.034 ug/l

RT: 10.77 min Scan# 2985

Delta R.T. 0.00 min

Lab File: VU028428.D

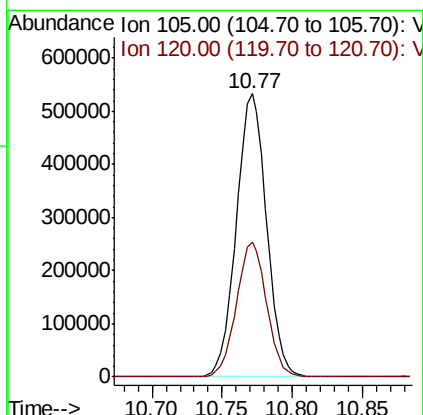
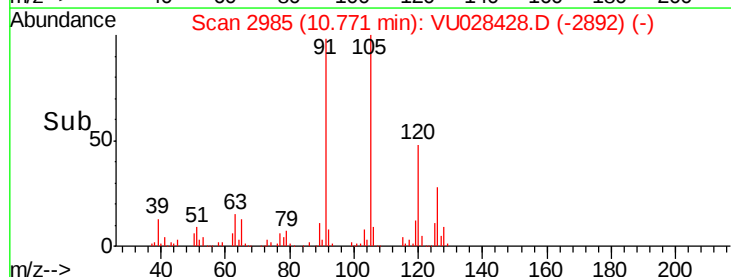
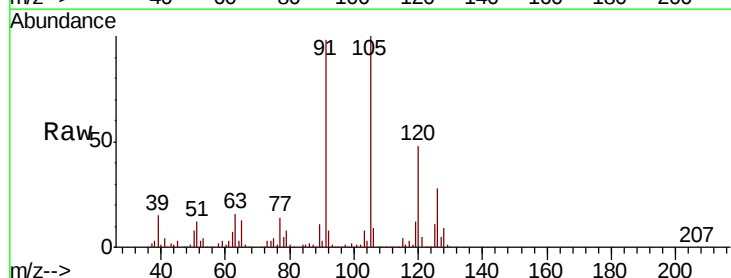
Acq: 03 Dec 2018 09:50

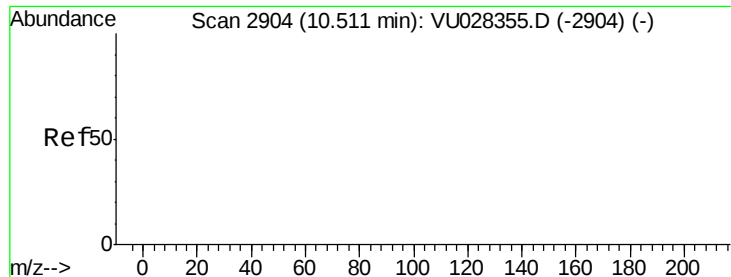
Tgt Ion: 105 Resp: 798527

Ion Ratio Lower Upper

105 100

120 47.4 23.4 70.0





#81

trans-1,4-Dichloro-2-butene

Concen: 169.348 ug/l

RT: 10.49 min Scan# 2898

Delta R.T. -0.02 min

Lab File: VU028428.D

Acq: 03 Dec 2018 09:50

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

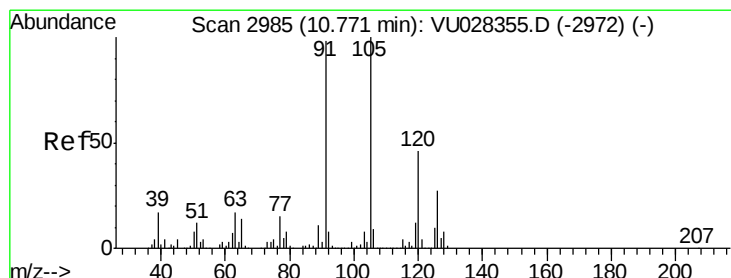
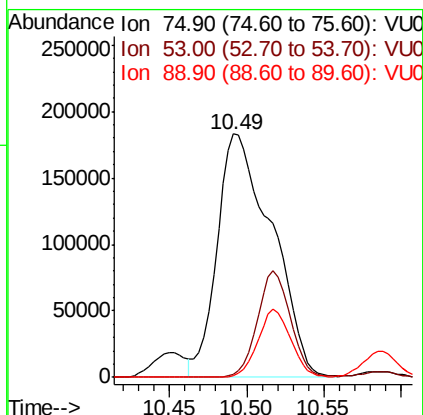
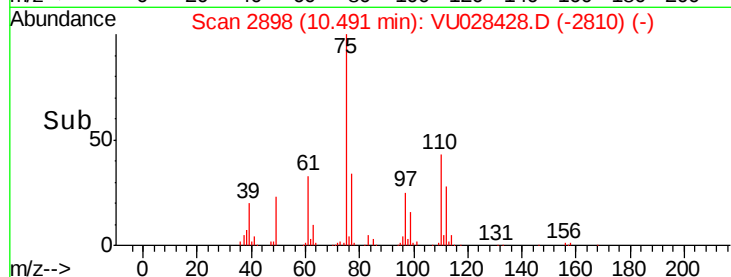
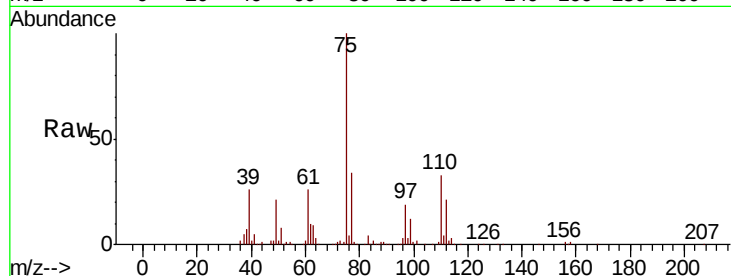
Tot Ion: 75 Resp: 448732

Ion Ratio Lower Upper

75 100

53 0.0 0.0 0.0

89 0.0 0.0 0.0



#82

4-Chlorotoluene

Concen: 48.601 ug/l

RT: 10.77 min Scan# 2985

Delta R.T. 0.00 min

Lab File: VU028428.D

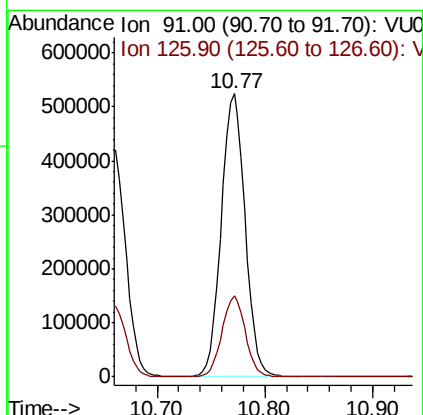
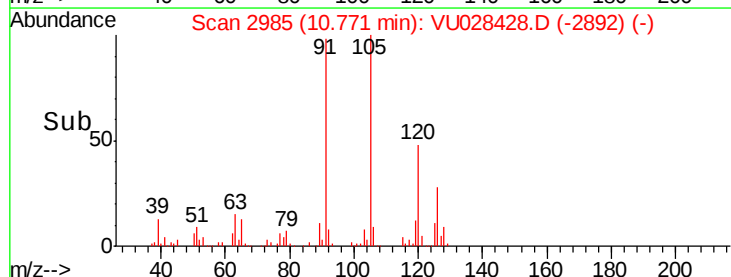
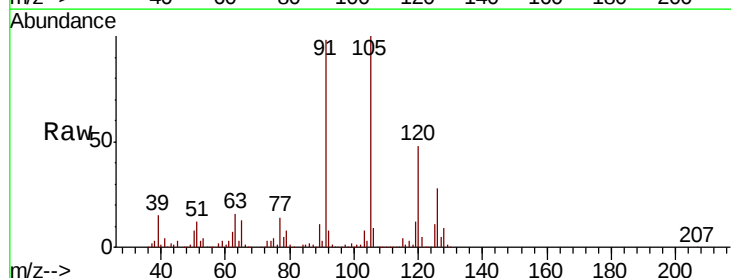
Acq: 03 Dec 2018 09:50

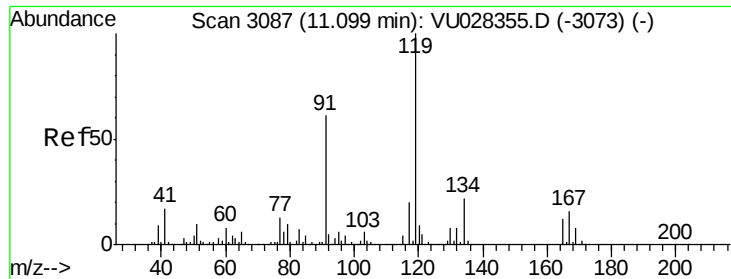
Tgt Ion: 91 Resp: 803323

Ion Ratio Lower Upper

91 100

126 28.2 13.9 41.6

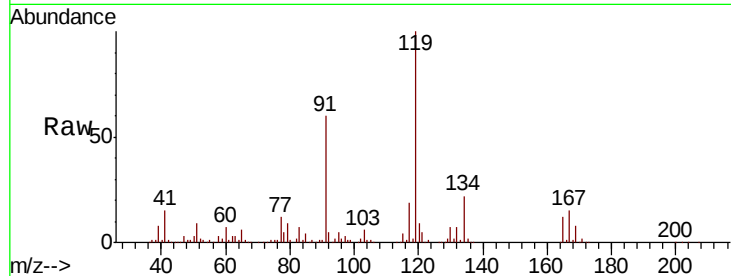




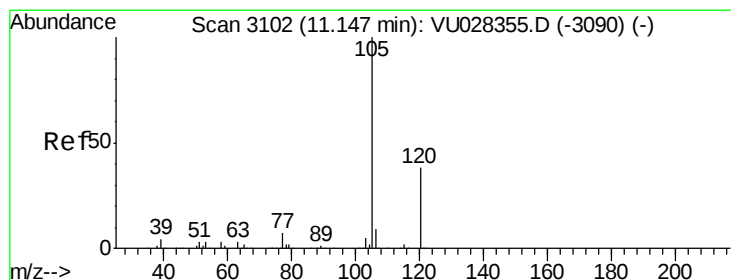
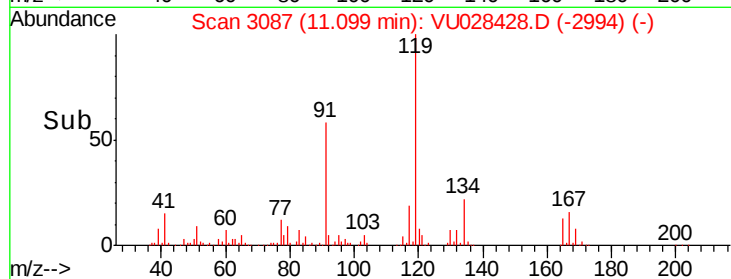
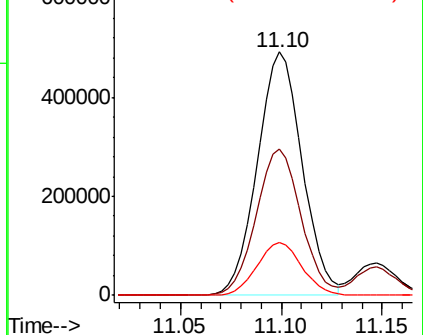
#83
tert-Butylbenzene
Concen: 49.173 ug/l
RT: 11.10 min Scan# 3087
Delta R.T. 0.00 min
Lab File: VU028428.D
Acq: 03 Dec 2018 09:50

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion:119 Resp: 762029
Ion Ratio Lower Upper
119 100
91 60.2 30.8 92.4
134 21.9 11.1 33.1

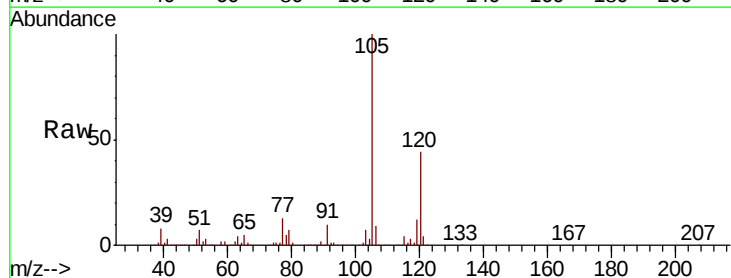


Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): V
Ion 134.00 (133.70 to 134.70): V

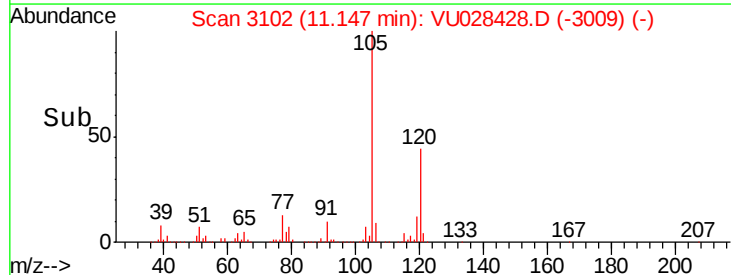
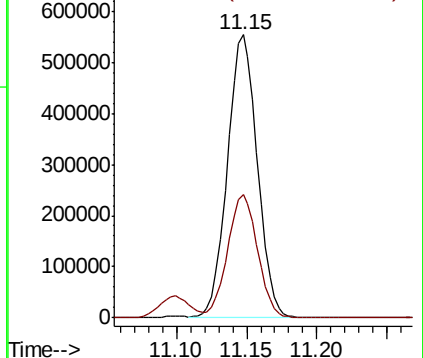


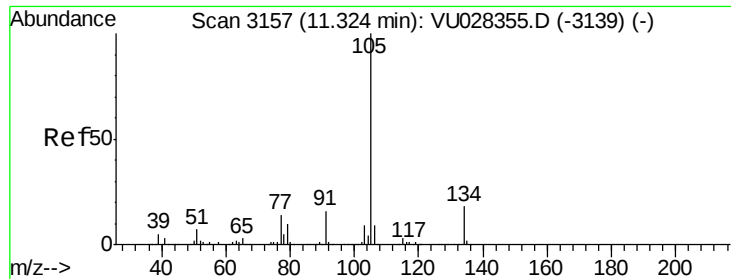
#84
1,2,4-Trimethylbenzene
Concen: 48.637 ug/l
RT: 11.15 min Scan# 3102
Delta R.T. 0.00 min
Lab File: VU028428.D
Acq: 03 Dec 2018 09:50

Tgt Ion:105 Resp: 818954
Ion Ratio Lower Upper
105 100
120 44.0 21.4 64.3



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V

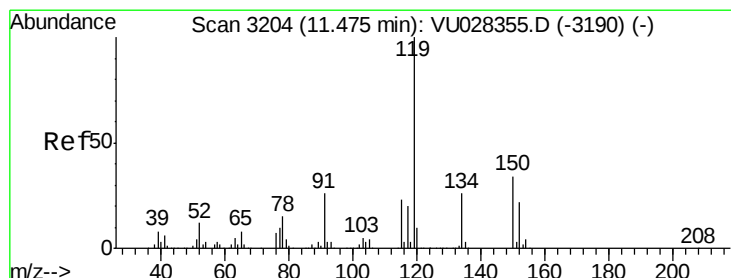
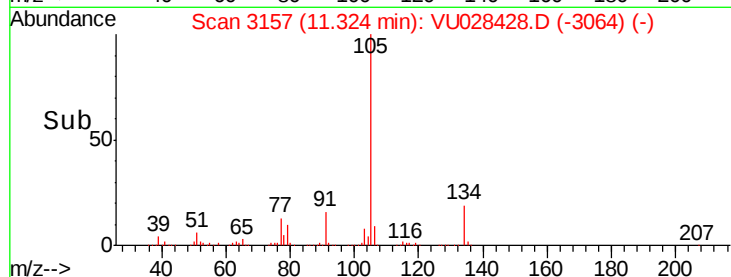
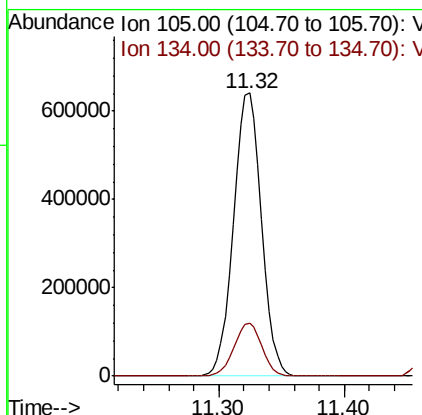
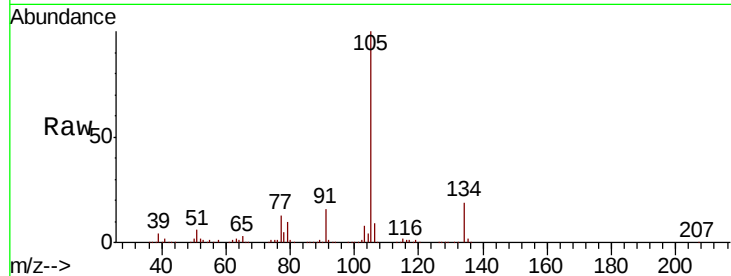




#85
 sec-Butylbenzene
 Concen: 49.115 ug/l
 RT: 11.32 min Scan# 3157
 Delta R.T. 0.00 min
 Lab File: VU028428.D
 Acq: 03 Dec 2018 09:50

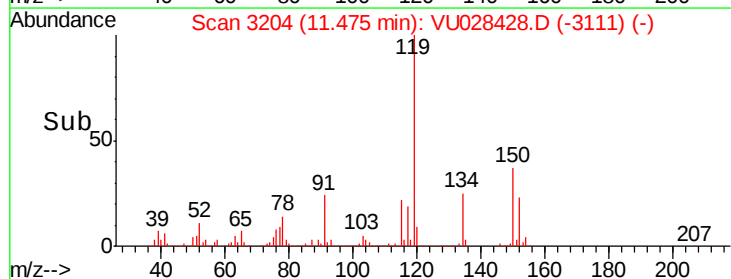
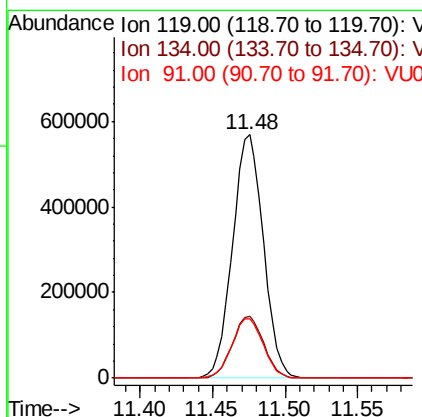
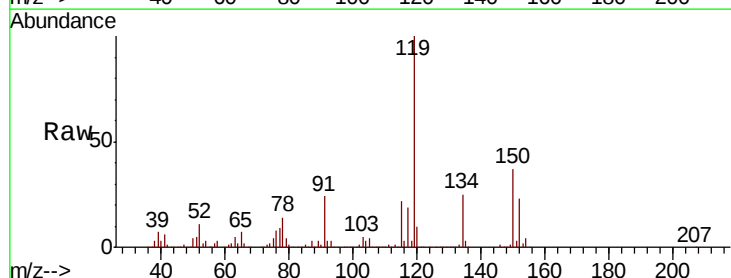
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

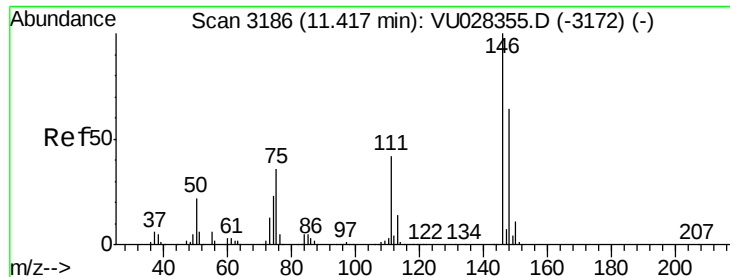
Tot Ion:105 Resp: 988587
 Ion Ratio Lower Upper
 105 100
 134 18.8 9.3 27.7



#86
 p-Isopropyltoluene
 Concen: 50.776 ug/l
 RT: 11.48 min Scan# 3204
 Delta R.T. 0.00 min
 Lab File: VU028428.D
 Acq: 03 Dec 2018 09:50

Tgt Ion:119 Resp: 840365
 Ion Ratio Lower Upper
 119 100
 134 25.8 12.8 38.3
 91 24.9 13.1 39.1

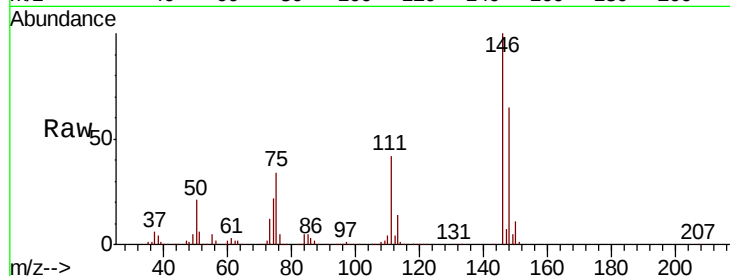




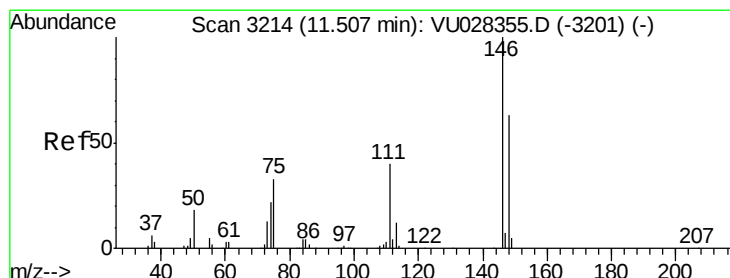
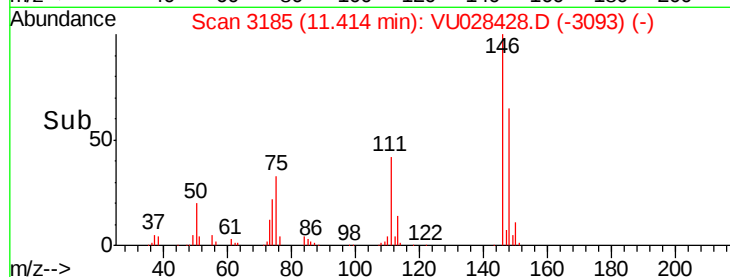
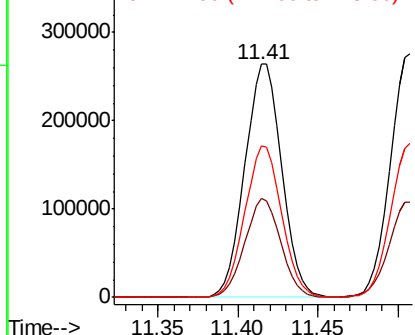
#87
 1,3-Dichlorobenzene
 Concen: 49.299 ug/l
 RT: 11.41 min Scan# 3185
 Delta R.T. -0.00 min
 Lab File: VU028428.D
 Acq: 03 Dec 2018 09:50

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.4	20.8	62.4
148	64.9	31.8	95.3

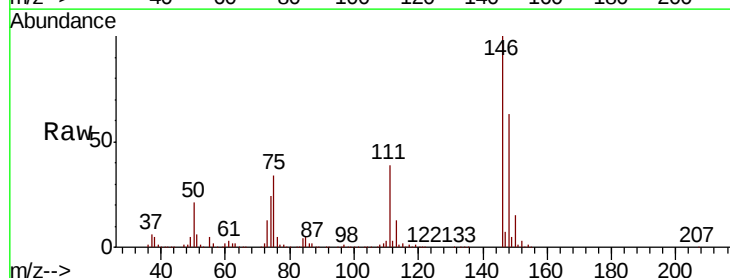


Abundance Ion 145.90 (145.60 to 146.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

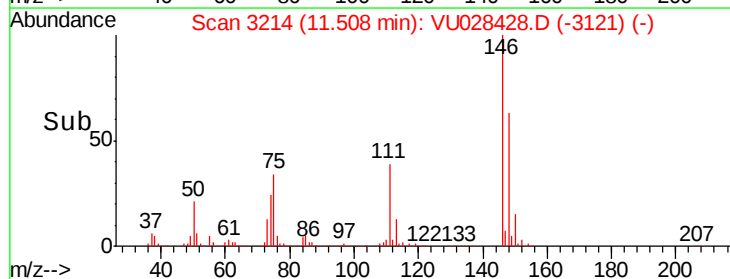
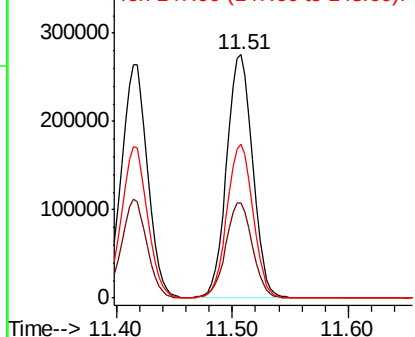


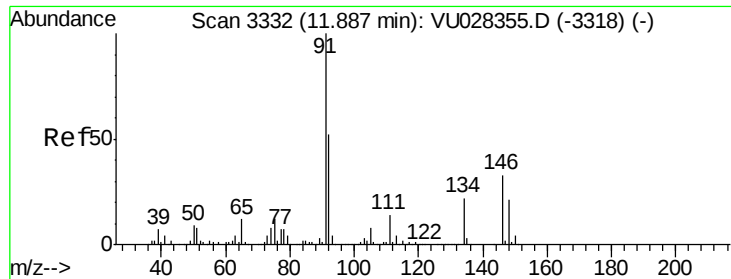
#88
 1,4-Dichlorobenzene
 Concen: 50.001 ug/l
 RT: 11.51 min Scan# 3214
 Delta R.T. 0.00 min
 Lab File: VU028428.D
 Acq: 03 Dec 2018 09:50

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.4	20.6	61.9
148	63.5	31.1	93.5



Abundance Ion 145.90 (145.60 to 146.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V





#89

n-Butylbenzene

Concen: 53.529 ug/l

RT: 11.89 min Scan# 3332

Delta R.T. 0.00 min

Lab File: VU028428.D

Acq: 03 Dec 2018 09:50

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

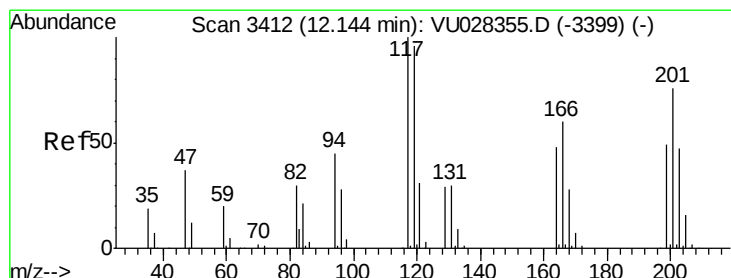
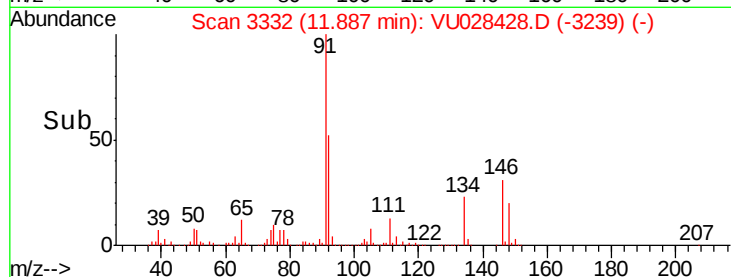
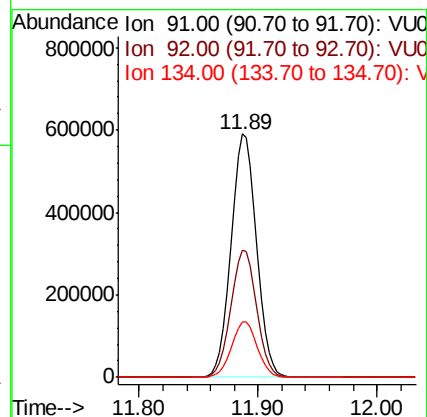
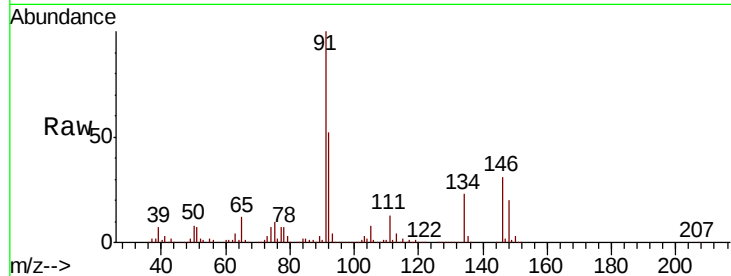
Tot Ion: 91 Resp: 874351

Ion Ratio Lower Upper

91 100

92 52.9 26.2 78.5

134 23.0 11.1 33.1



#90

Hexachloroethane

Concen: 49.389 ug/l

RT: 12.14 min Scan# 3412

Delta R.T. 0.00 min

Lab File: VU028428.D

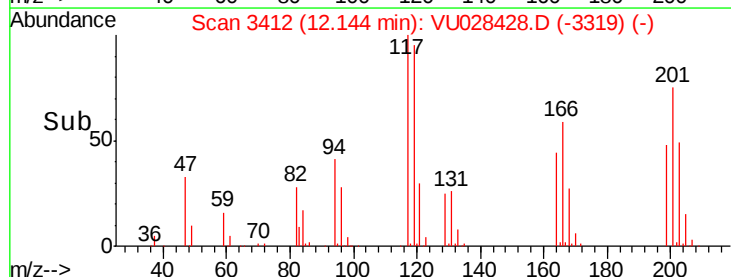
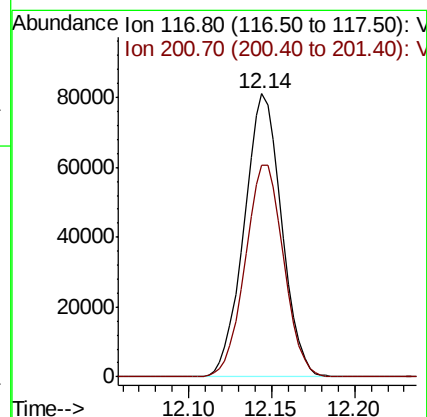
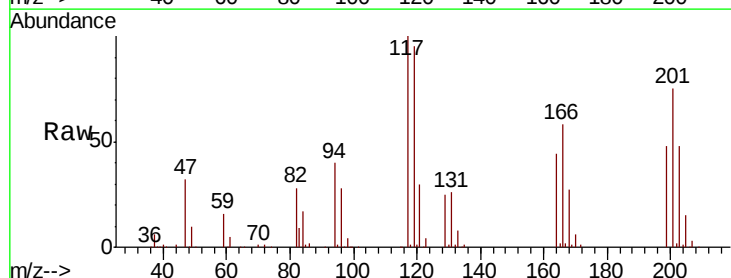
Acq: 03 Dec 2018 09:50

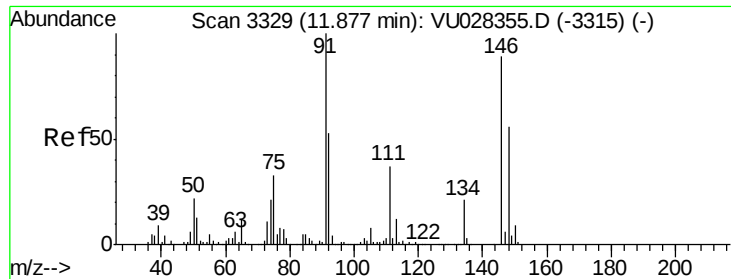
Tgt Ion: 117 Resp: 127615

Ion Ratio Lower Upper

117 100

201 76.6 37.7 113.1

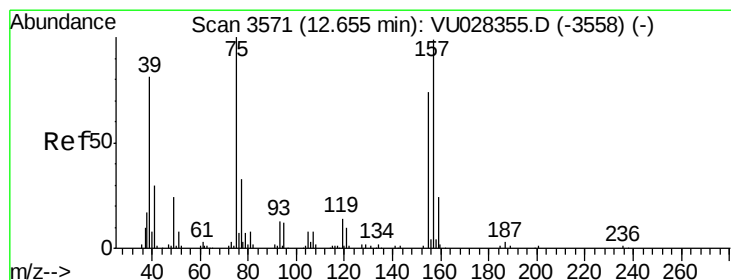
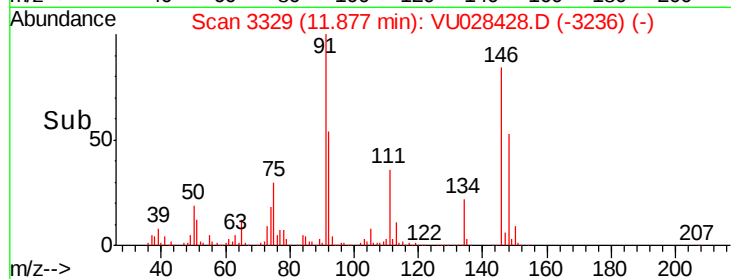
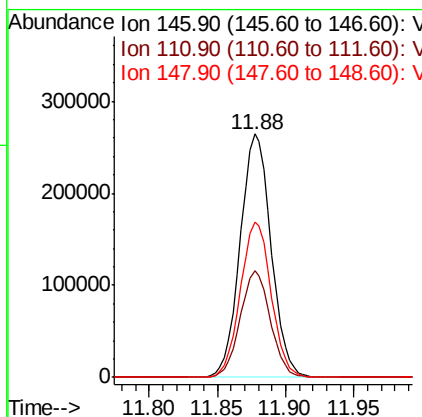
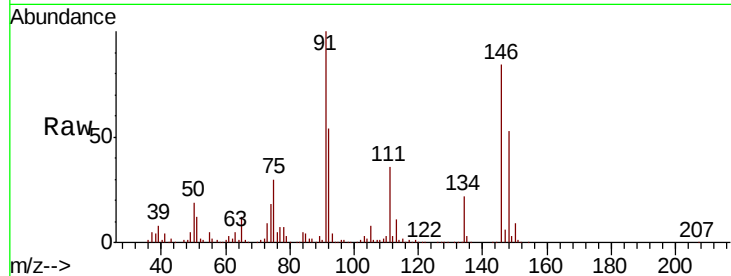




#91
 1,2-Dichlorobenzene
 Concen: 49.107 ug/l
 RT: 11.88 min Scan# 3329
 Delta R.T. 0.00 min
 Lab File: VU028428.D
 Acq: 03 Dec 2018 09:50

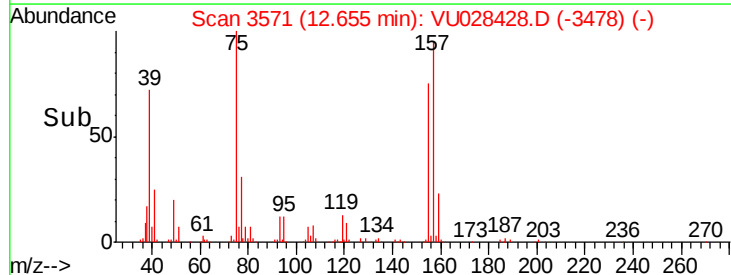
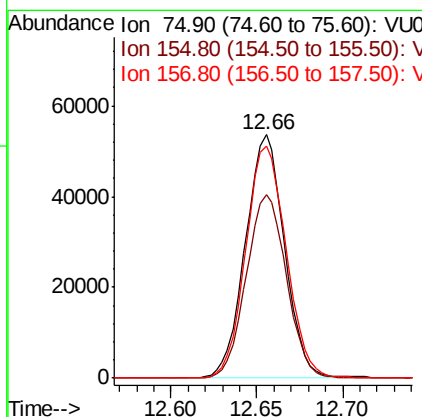
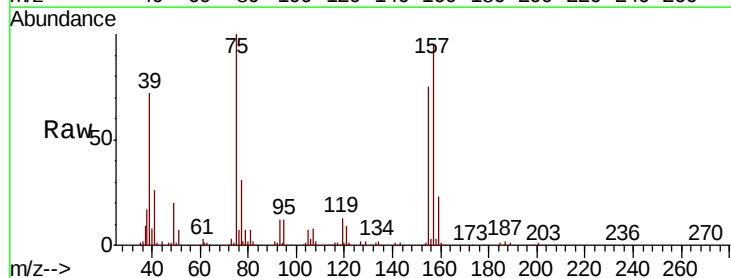
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

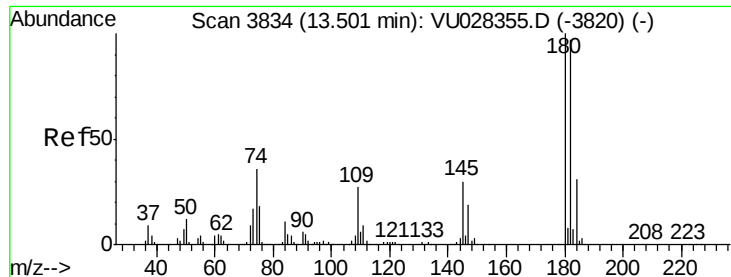
Tot Ion:146 Resp: 415376
 Ion Ratio Lower Upper
 146 100
 111 42.7 21.4 64.3
 148 63.7 32.2 96.6



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 46.681 ug/l
 RT: 12.66 min Scan# 3571
 Delta R.T. 0.00 min
 Lab File: VU028428.D
 Acq: 03 Dec 2018 09:50

Tgt Ion: 75 Resp: 84234
 Ion Ratio Lower Upper
 75 100
 155 77.4 36.9 110.7
 157 98.7 47.5 142.5

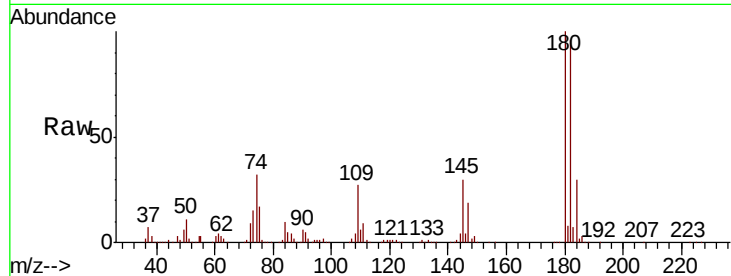




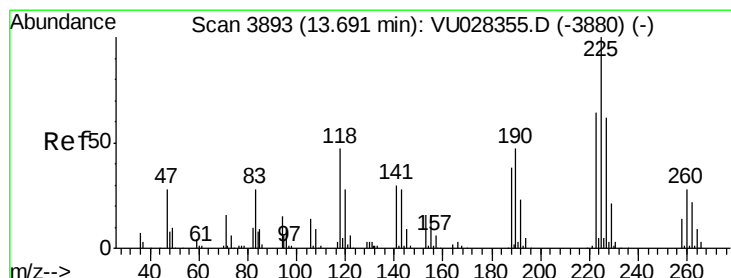
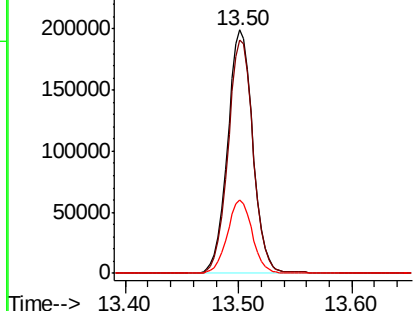
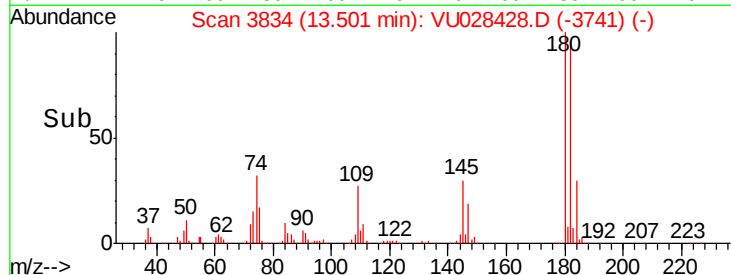
#93
 1,2,4-Trichlorobenzene
 Concen: 55.758 ug/l
 RT: 13.50 min Scan# 3834
 Delta R.T. 0.00 min
 Lab File: VU028428.D
 Acq: 03 Dec 2018 09:50

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

Tot Ion:180 Resp: 308719
 Ion Ratio Lower Upper
 180 100
 182 95.4 48.3 144.9
 145 29.8 15.2 45.5

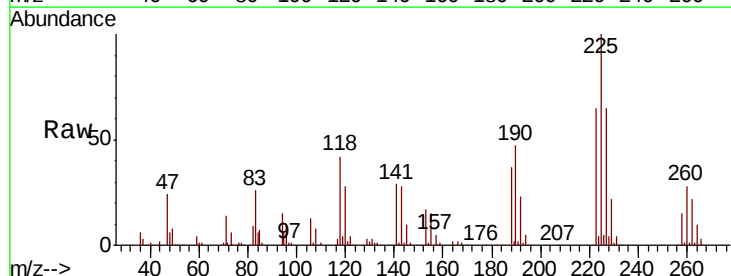


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

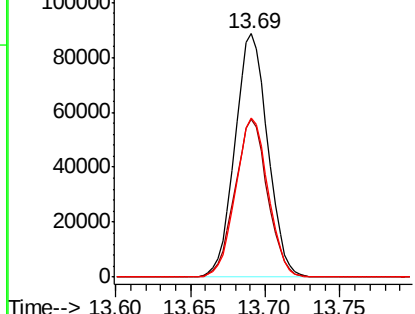
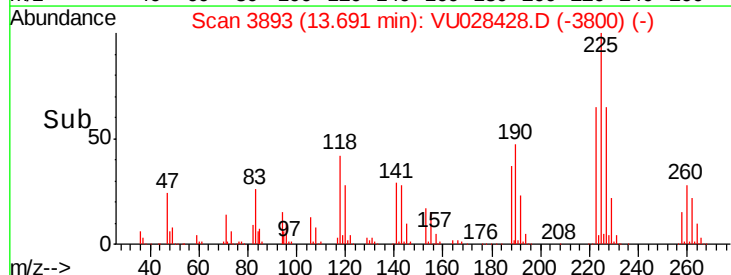


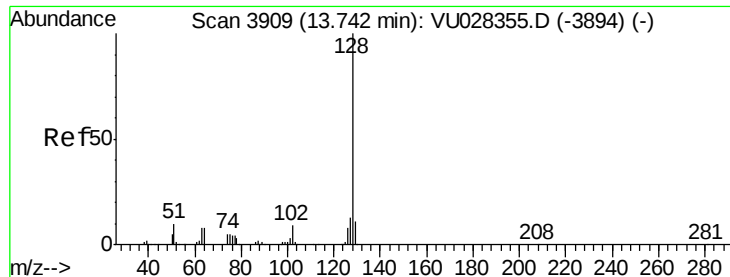
#94
 Hexachlorobutadiene
 Concen: 51.675 ug/l
 RT: 13.69 min Scan# 3893
 Delta R.T. 0.00 min
 Lab File: VU028428.D
 Acq: 03 Dec 2018 09:50

Tgt Ion:225 Resp: 135101
 Ion Ratio Lower Upper
 225 100
 223 64.5 31.6 94.7
 227 64.7 30.8 92.4



Abundance Ion 224.70 (224.40 to 225.40): V
 Ion 222.70 (222.40 to 223.40): V
 Ion 226.70 (226.40 to 227.40): V

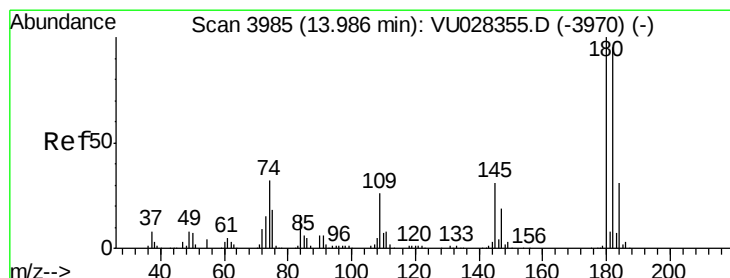
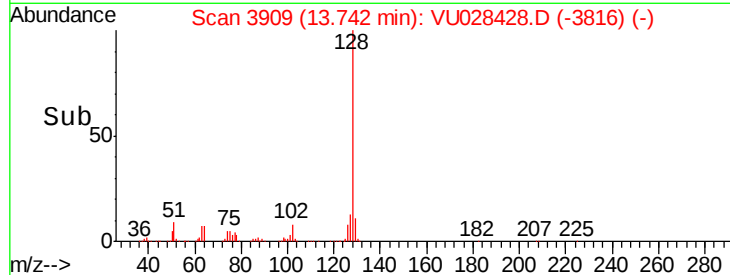
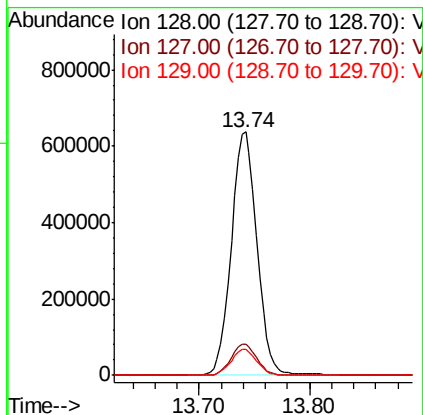
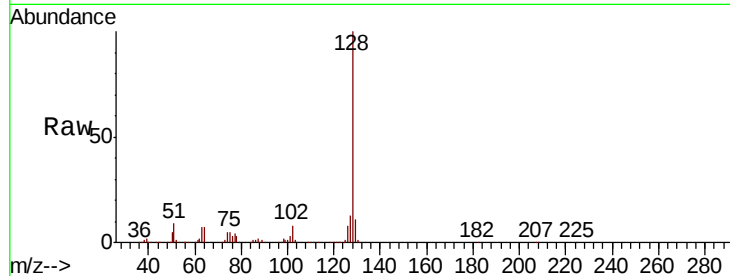




#95
Naphthalene
Concen: 48.371 ug/l
RT: 13.74 min Scan# 3909
Delta R.T. 0.00 min
Lab File: VU028428.D
Acq: 03 Dec 2018 09:50

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion:128 Resp: 1030518
Ion Ratio Lower Upper
128 100
127 12.9 10.6 15.8
129 10.6 8.6 12.8



#96
1,2,3-Trichlorobenzene
Concen: 54.052 ug/l
RT: 13.99 min Scan# 3985
Delta R.T. 0.00 min
Lab File: VU028428.D
Acq: 03 Dec 2018 09:50

Tgt Ion:180 Resp: 302677
Ion Ratio Lower Upper
180 100
182 95.9 47.7 143.1
145 32.1 15.7 47.1

