

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU083019\
 Data File : VU034081.D
 Acq On : 29 Aug 2019 22:38
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Quant Time: Aug 30 04:51:20 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U082919W.M
 Quant Title : SW846 8260
 QLast Update : Thu Aug 29 04:11:12 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.96	168	422844	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.86	114	673112	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.07	117	654488	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.46	152	353976	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.29	65	273579	50.49	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.98%	
35) Dibromofluoromethane	4.86	113	229838	49.23	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.46%	
50) Toluene-d8	7.55	98	903440	51.68	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.36%	
62) 4-Bromofluorobenzene	10.29	95	338850	49.83	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.66%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	217241	51.084	ug/l	99
3) Chloromethane	1.32	50	252484	44.214	ug/l	99
4) Vinyl Chloride	1.40	62	270788	47.842	ug/l	95
5) Bromomethane	1.61	94	94933	32.853	ug/l	98
6) Chloroethane	1.68	64	172377	49.816	ug/l	100
7) Trichlorofluoromethane	1.87	101	327441	49.928	ug/l	99
8) Diethyl Ether	2.09	74	141770	50.532	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	2.27	101	201960	48.610	ug/l	97
10) Methyl Iodide	2.40	142	105140	17.840	ug/l	99
11) Tert butyl alcohol	2.81	59	277088	221.771	ug/l	100
12) 1,1-Dichloroethene	2.27	96	211282	49.912	ug/l	98
13) Acrolein	2.18	56	105428	200.584	ug/l	99
14) Allyl chloride	2.58	41	347586	43.672	ug/l	93
15) Acrylonitrile	2.92	53	737233	257.139	ug/l	100
16) Acetone	2.31	43	601984	217.752	ug/l	100
17) Carbon Disulfide	2.46	76	626198	46.740	ug/l	100
18) Methyl Acetate	2.60	43	345132	48.310	ug/l	99
19) Methyl tert-butyl Ether	2.98	73	728454	52.521	ug/l	100
20) Methylene Chloride	2.68	84	257337	49.170	ug/l	99
21) trans-1,2-Dichloroethene	2.96	96	229193	49.888	ug/l	99
22) Diisopropyl ether	3.55	45	765279	52.474	ug/l	98
23) Vinyl Acetate	3.50	43	3305816	263.871	ug/l	99
24) 1,1-Dichloroethane	3.42	63	437852	50.852	ug/l	100
25) 2-Butanone	4.23	43	964659	250.808	ug/l	100
26) 2,2-Dichloropropane	4.20	77	310659	44.341	ug/l	99
27) cis-1,2-Dichloroethene	4.20	96	259268	50.279	ug/l	99
28) Bromochloromethane	4.52	49	217080	51.173	ug/l	100
29) Tetrahydrofuran	4.61	42	626231	264.015	ug/l	99
30) Chloroform	4.65	83	420601	48.960	ug/l	98
31) Cyclohexane	4.97	56	384874	47.570	ug/l	99
32) 1,1,1-Trichloroethane	4.89	97	352546	50.107	ug/l	100
36) 1,1-Dichloropropene	5.11	75	316592	49.726	ug/l	99
37) Ethyl Acetate	4.36	43	353098	49.525	ug/l	99
38) Carbon Tetrachloride	5.11	117	301085	48.992	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.40	83	364891	48.626	ug/l	99
40) Benzene	5.37	78	974660	50.598	ug/l	99
41) Methacrylonitrile	4.52	41	192566	52.664	ug/l	99
42) 1,2-Dichloroethane	5.38	62	330428	49.675	ug/l	98
43) Isopropyl Acetate	5.53	43	546140	50.351	ug/l	100
44) Trichloroethene	6.16	130	262594	51.912	ug/l	94
45) 1,2-Dichloropropane	6.41	63	269246	50.776	ug/l	100
46) Dibromomethane	6.54	93	171192	50.111	ug/l	98
47) Bromodichloromethane	6.74	83	325852	48.752	ug/l	98
48) Methyl methacrylate	6.60	41	266829	50.979	ug/l	98
49) 1,4-Dioxane	6.59	88	115863	883.484	ug/l	100
51) 4-Methyl-2-Pentanone	7.44	43	1855803	247.744	ug/l	99
52) Toluene	7.62	92	617138	52.007	ug/l	99
53) t-1,3-Dichloropropene	7.86	75	354906	47.854	ug/l	99
54) cis-1,3-Dichloropropene	7.25	75	398538	49.187	ug/l	99
55) 1,1,2-Trichloroethane	8.05	97	247318	49.273	ug/l	99
56) Ethyl methacrylate	8.00	69	375100	45.149	ug/l	99
57) 1,3-Dichloropropane	8.22	76	426071	49.993	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.11	63	674296	242.827	ug/l	99
59) 2-Hexanone	8.34	43	1408749	249.121	ug/l	100
60) Dibromochloromethane	8.46	129	260848	48.413	ug/l	100
61) 1,2-Dibromoethane	8.57	107	257250	48.653	ug/l	100
64) Tetrachloroethene	8.21	164	229362	52.183	ug/l	98
65) Chlorobenzene	9.10	112	667999	49.597	ug/l	99
66) 1,1,1,2-Tetrachloroethane	9.19	131	230395	47.175	ug/l	99
67) Ethyl Benzene	9.23	91	1166605	51.097	ug/l	99
68) m/p-Xylenes	9.36	106	892530	102.810	ug/l	99
69) o-Xylene	9.76	106	426659	51.227	ug/l	99
70) Styrene	9.77	104	754364	52.824	ug/l	100
71) Bromoform	9.94	173	194408	45.815	ug/l #	99
73) Isopropylbenzene	10.15	105	1151668	48.437	ug/l	100
74) N-amyl acetate	10.00	43	493842	49.384	ug/l	99
75) 1,1,2,2-Tetrachloroethane	10.44	83	415513	45.659	ug/l	100
76) 1,2,3-Trichloropropane	10.48	75	437562	54.846	ug/l	87
77) Bromobenzene	10.43	156	302018	47.221	ug/l	100
78) n-propylbenzene	10.57	91	1351845	48.821	ug/l	99
79) 2-Chlorotoluene	10.64	91	804906	48.463	ug/l	100
80) 1,3,5-Trimethylbenzene	10.75	105	994706	49.360	ug/l	99
81) trans-1,4-Dichloro-2-buten	10.48	75	437562	184.680	ug/l #	100
82) 4-Chlorotoluene	10.75	91	932259	48.807	ug/l	100
83) tert-Butylbenzene	11.08	119	931848	46.972	ug/l	98
84) 1,2,4-Trimethylbenzene	11.13	105	1006567	50.302	ug/l	99
85) sec-Butylbenzene	11.31	105	1140889	47.983	ug/l	100
86) p-Isopropyltoluene	11.46	119	1054554	49.039	ug/l	100
87) 1,3-Dichlorobenzene	11.40	146	547944	48.392	ug/l	100
88) 1,4-Dichlorobenzene	11.49	146	545263	47.616	ug/l	100
89) n-Butylbenzene	11.87	91	942665	49.720	ug/l	99
90) Hexachloroethane	12.13	117	142705	38.383	ug/l	99
91) 1,2-Dichlorobenzene	11.86	146	532737	49.115	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	12.64	75	82144	45.309	ug/l	98

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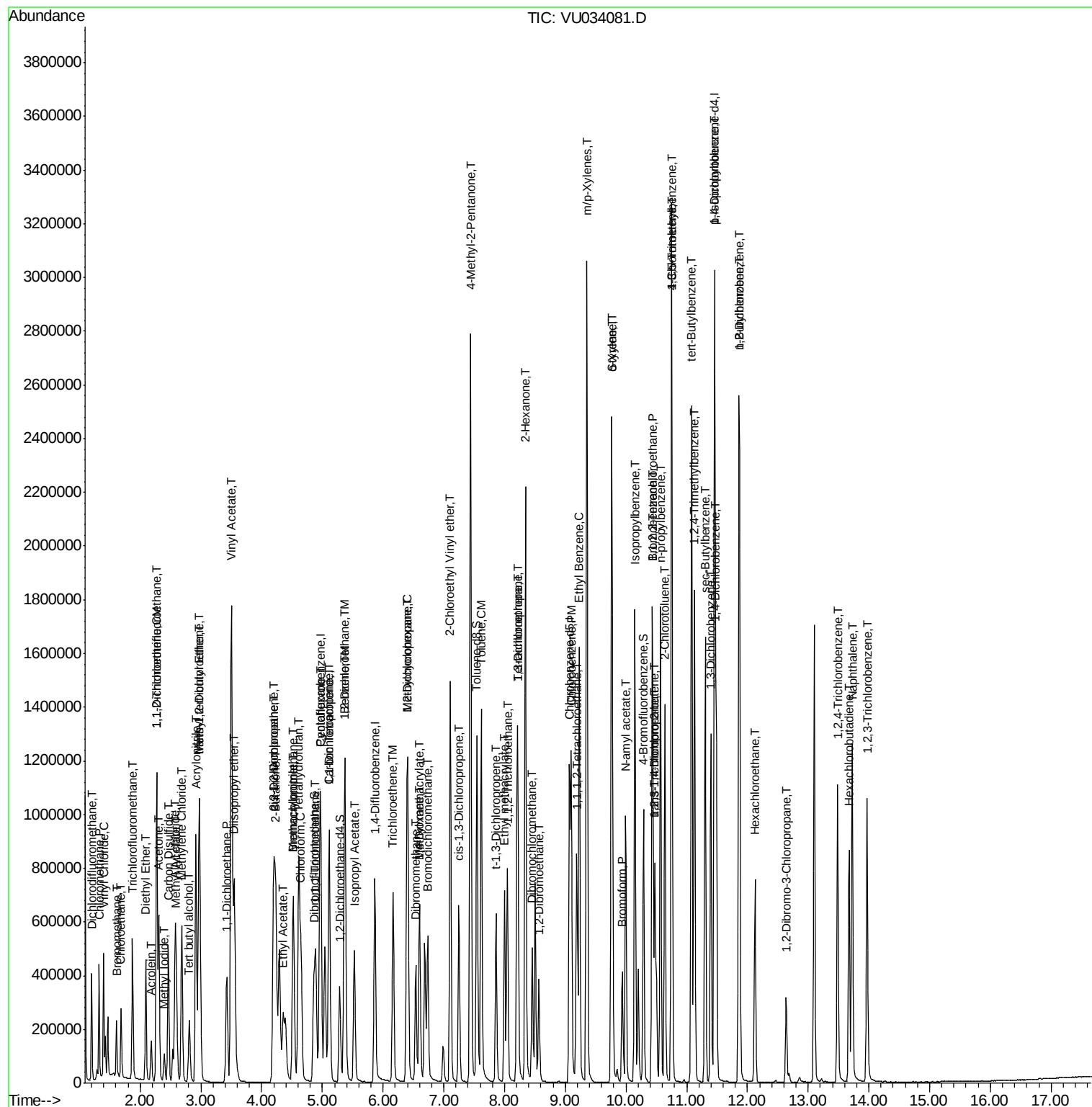
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.49	180	363463	47.175	ug/l	98
94) Hexachlorobutadiene	13.67	225	168862	39.796	ug/l	99
95) Naphthalene	13.73	128	1057781	47.951	ug/l	100
96) 1,2,3-Trichlorobenzene	13.97	180	359163	51.691	ug/l	100

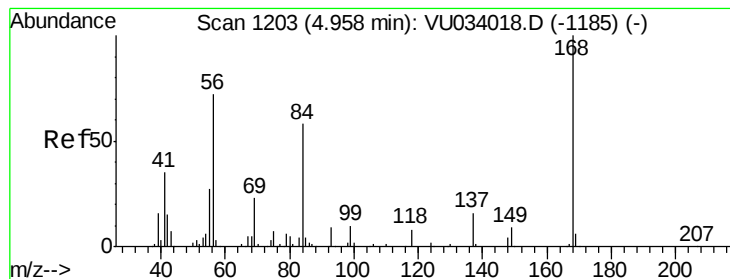
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_U\DATA\VU083019\
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.96 min Scan# 1204

Delta R.T. 0.00 min

Lab File: VU034081.D

Acq: 29 Aug 2019 22:38

Instrument :

MSVOA_U

ClientSampleId :

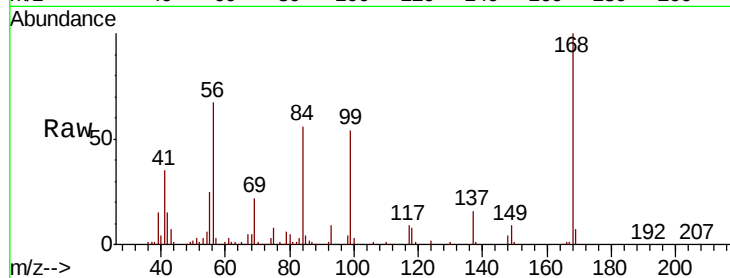
VSTDCCC050EC

Tgt Ion:168 Resp: 422844

Ion Ratio Lower Upper

168 100

99 54.0 42.3 63.5



Abundance Ion 167.90 (167.60 to 168.60): VU034081.D (-1185) (-)

Ion 98.90 (98.60 to 99.60): VU034081.D (-1185) (-)

4.96

200000

150000

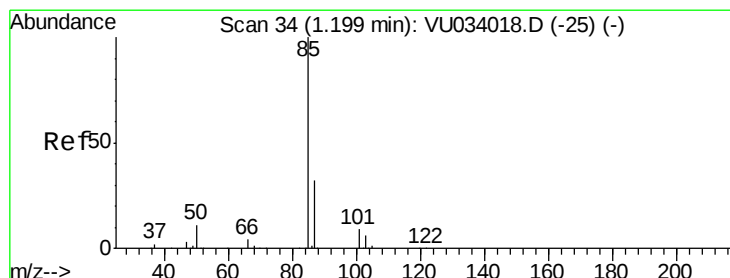
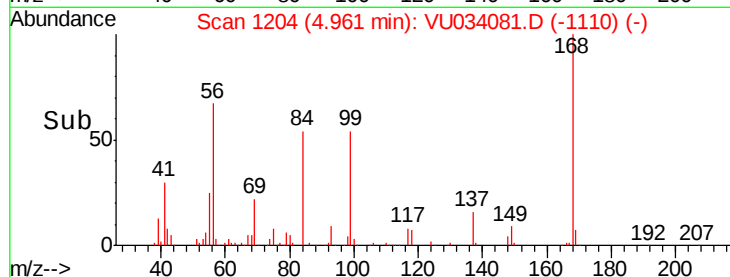
100000

50000

0

4.90 4.95 5.00 5.05 5.10

Time-->



#2

Dichlorodifluoromethane

Concen: 51.084 ug/l

RT: 1.20 min Scan# 35

Delta R.T. 0.00 min

Lab File: VU034081.D

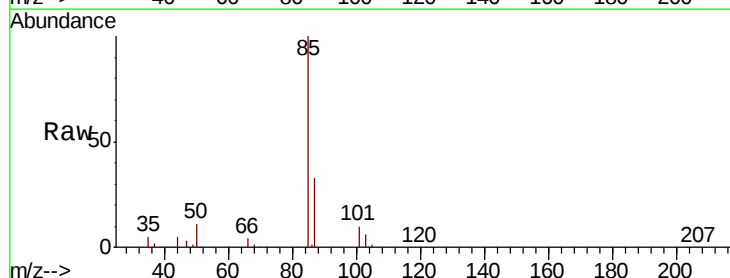
Acq: 29 Aug 2019 22:38

Tgt Ion: 85 Resp: 217241

Ion Ratio Lower Upper

85 100

87 32.8 16.1 48.3



Abundance Ion 84.90 (84.60 to 85.60): VU034081.D (-1) (-)

Ion 86.90 (86.60 to 87.60): VU034081.D (-1) (-)

1.20

250000

200000

150000

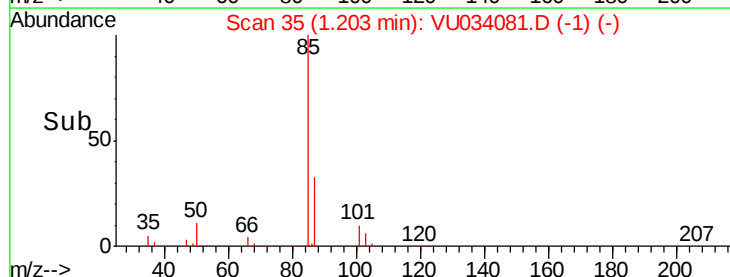
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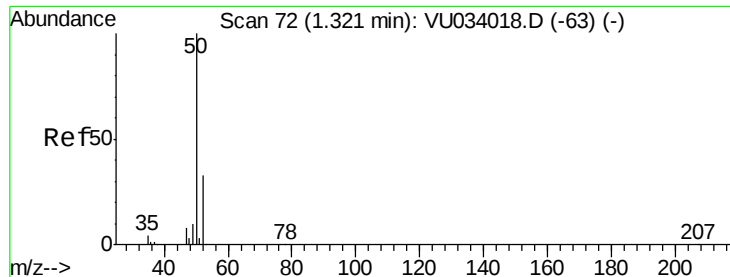
50000

0

1.15 1.20 1.25

Time-->





#3

Chloromethane

Concen: 44.214 ug/l

RT: 1.32 min Scan# 72

Delta R.T. 0.00 min

Lab File: VU034081.D

Acq: 29 Aug 2019 22:38

Instrument :

MSVOA_U

ClientSampleId :

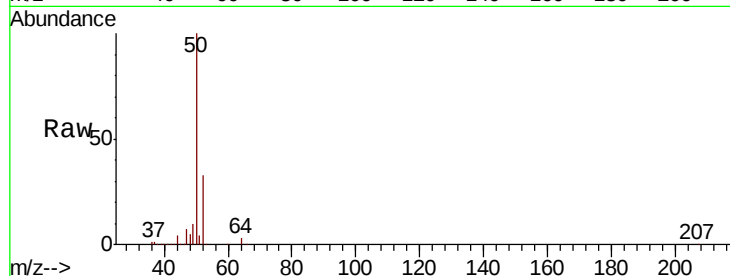
VSTDCCC050EC

Tgt Ion: 50 Resp: 252484

Ion Ratio Lower Upper

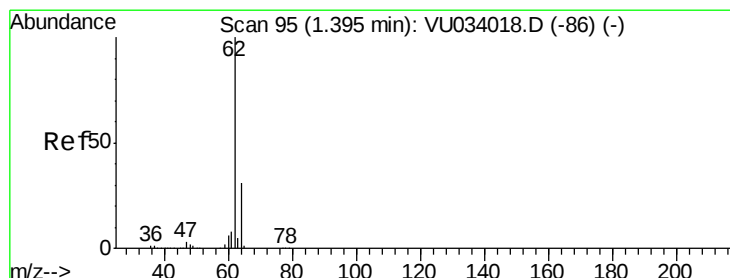
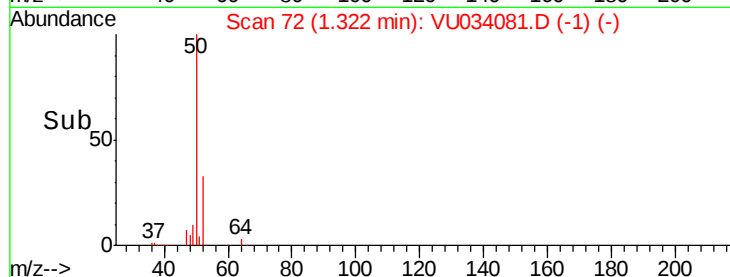
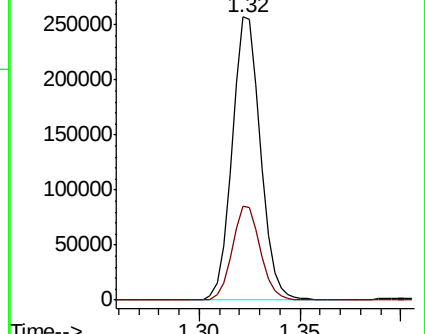
50 100

52 33.1 26.2 39.4



Abundance Ion 49.90 (49.60 to 50.60): VU034081.D (-1) (-)

Ion 51.90 (51.60 to 52.60): VU034081.D (-1) (-)



#4

Vinyl Chloride

Concen: 47.842 ug/l

RT: 1.40 min Scan# 96

Delta R.T. 0.00 min

Lab File: VU034081.D

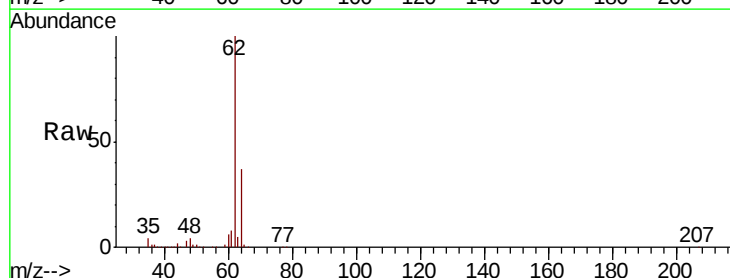
Acq: 29 Aug 2019 22:38

Tgt Ion: 62 Resp: 270788

Ion Ratio Lower Upper

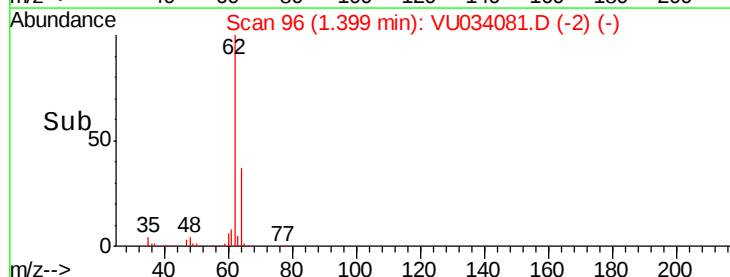
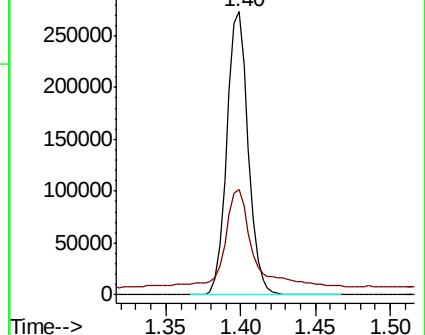
62 100

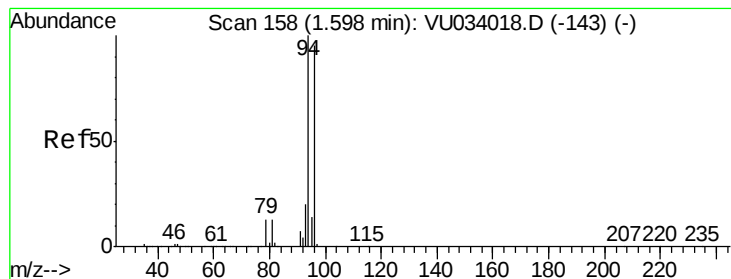
64 34.2 25.0 37.6



Abundance Ion 61.90 (61.60 to 62.60): VU034081.D (-2) (-)

Ion 63.90 (63.60 to 64.60): VU034081.D (-2) (-)





#5

Bromomethane

Concen: 32.853 ug/l

RT: 1.61 min Scan# 162

Delta R.T. 0.01 min

Lab File: VU034081.D

Acq: 29 Aug 2019 22:38

Instrument :

MSVOA_U

ClientSampleId :

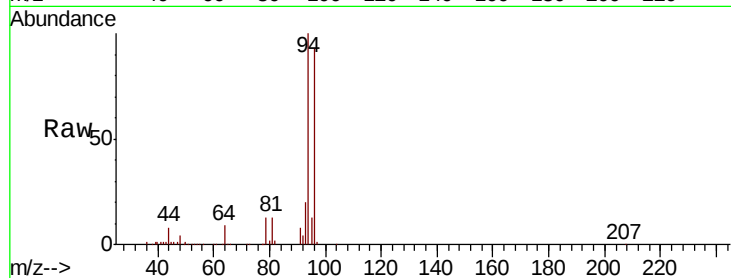
VSTDCCC050EC

Tgt Ion: 94 Resp: 94933

Ion Ratio Lower Upper

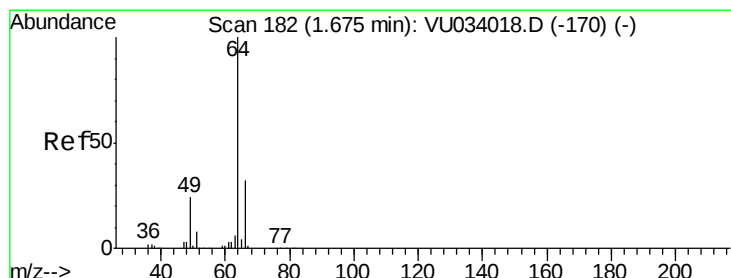
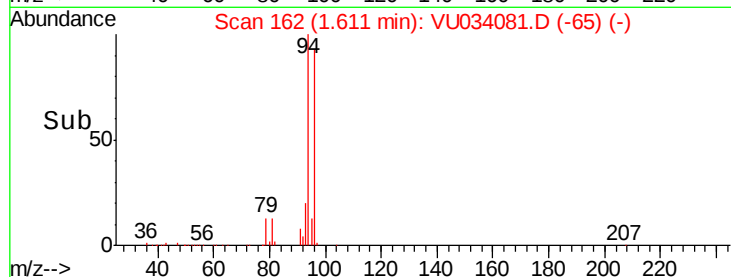
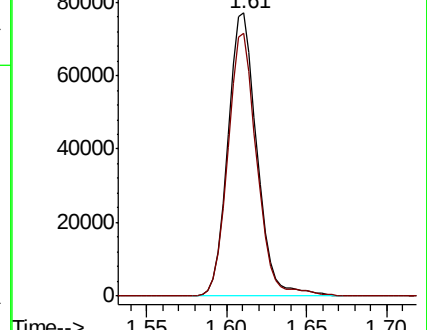
94 100

96 93.2 76.3 114.5



Abundance Ion 93.90 (93.60 to 94.60): VU034081.D (-162) (-)

Ion 95.90 (95.60 to 96.60): VU034081.D (-162) (-)



#6

Chloroethane

Concen: 49.816 ug/l

RT: 1.68 min Scan# 185

Delta R.T. 0.01 min

Lab File: VU034081.D

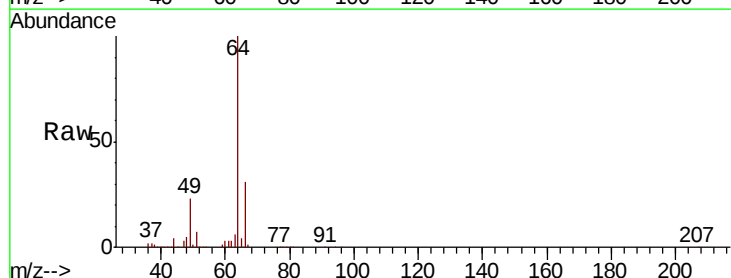
Acq: 29 Aug 2019 22:38

Tgt Ion: 64 Resp: 172377

Ion Ratio Lower Upper

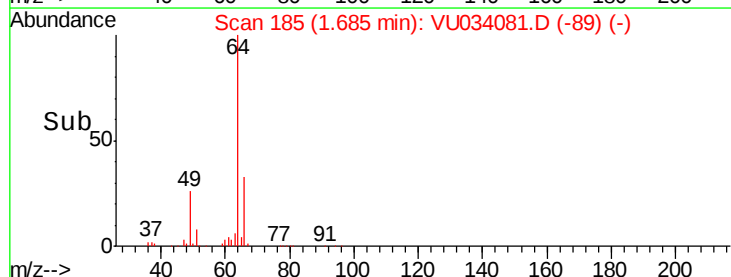
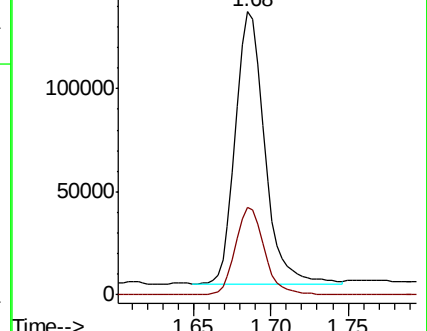
64 100

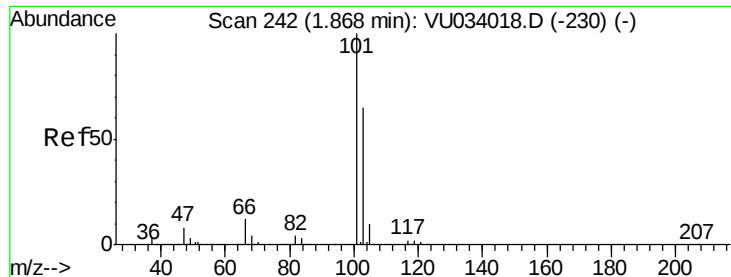
66 32.0 25.5 38.3



Abundance Ion 63.90 (63.60 to 64.60): VU034081.D (-185) (-)

Ion 65.90 (65.60 to 66.60): VU034081.D (-185) (-)



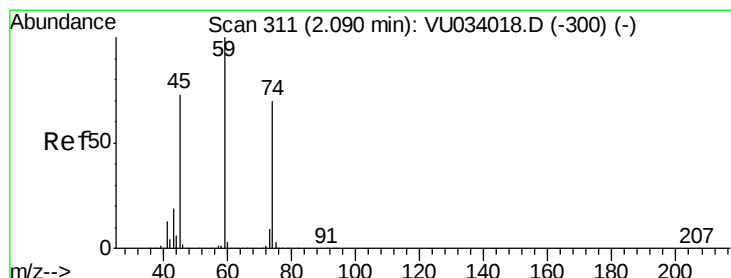
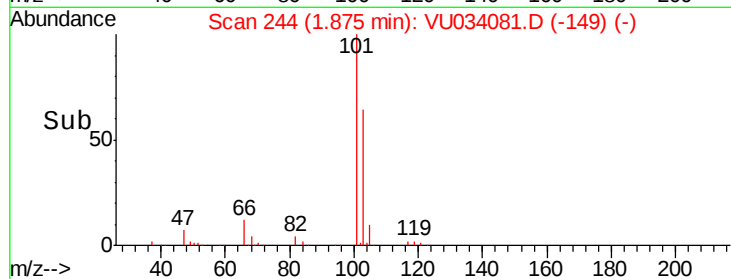
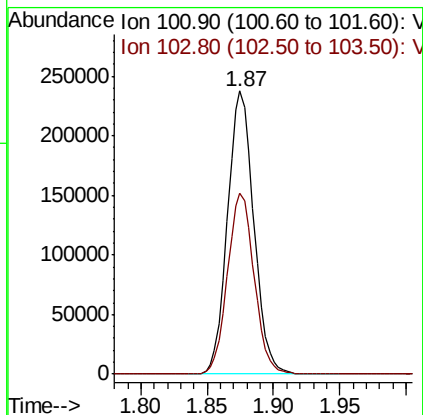
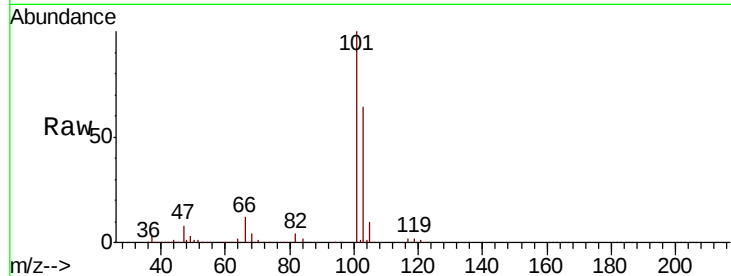


#7

Trichlorofluoromethane
 Concen: 49.928 ug/l
 RT: 1.87 min Scan# 244
 Delta R.T. 0.01 min
 Lab File: VU034081.D
 Acq: 29 Aug 2019 22:38

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

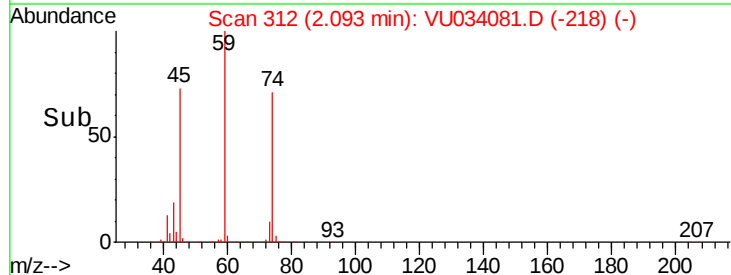
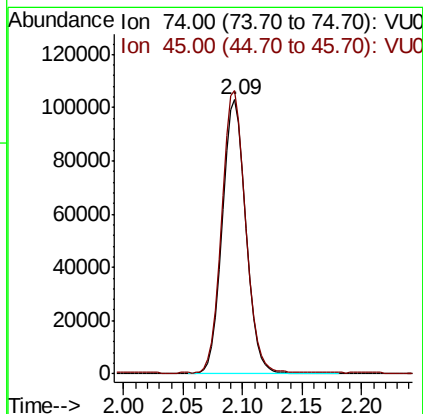
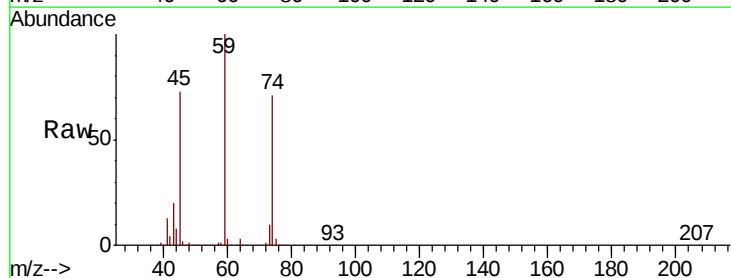
Tgt Ion:101 Resp: 327441
 Ion Ratio Lower Upper
 101 100
 103 64.0 52.1 78.1

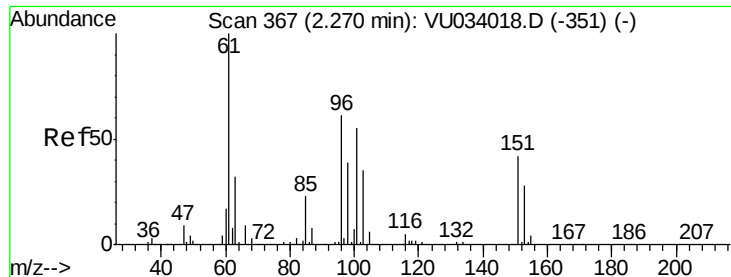


#8

Diethyl Ether
 Concen: 50.532 ug/l
 RT: 2.09 min Scan# 312
 Delta R.T. 0.00 min
 Lab File: VU034081.D
 Acq: 29 Aug 2019 22:38

Tgt Ion: 74 Resp: 141770
 Ion Ratio Lower Upper
 74 100
 45 103.3 51.8 155.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 48.610 ug/l

RT: 2.27 min Scan# 368

Delta R.T. 0.00 min

Lab File: VU034081.D

Acq: 29 Aug 2019 22:38

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

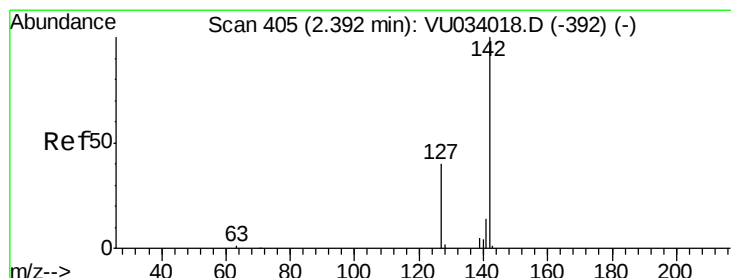
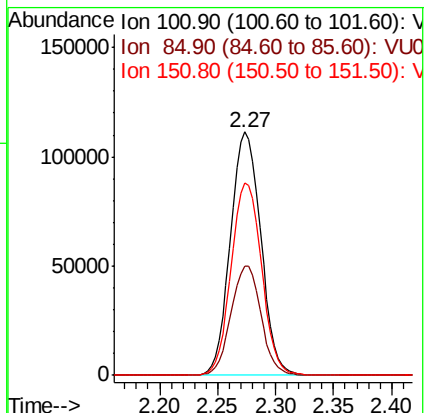
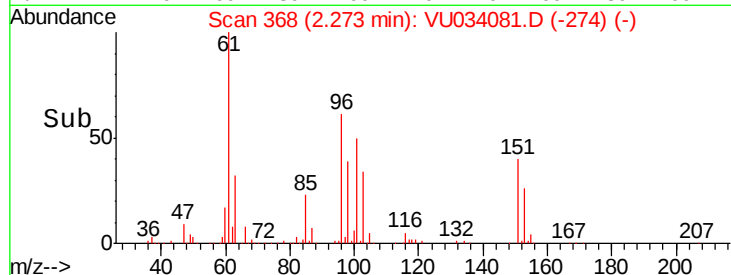
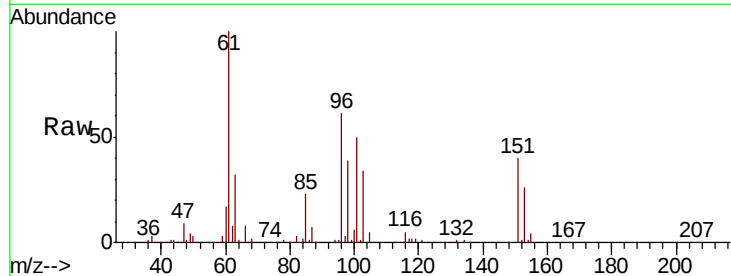
Tgt Ion:101 Resp: 201960

Ion Ratio Lower Upper

101 100

85 44.5 34.2 51.2

151 79.3 61.4 92.2



#10

Methyl Iodide

Concen: 17.840 ug/l

RT: 2.40 min Scan# 407

Delta R.T. 0.01 min

Lab File: VU034081.D

Acq: 29 Aug 2019 22:38

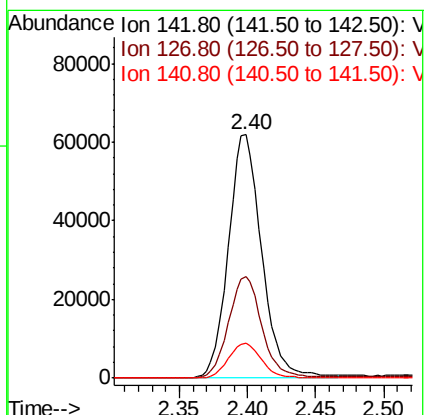
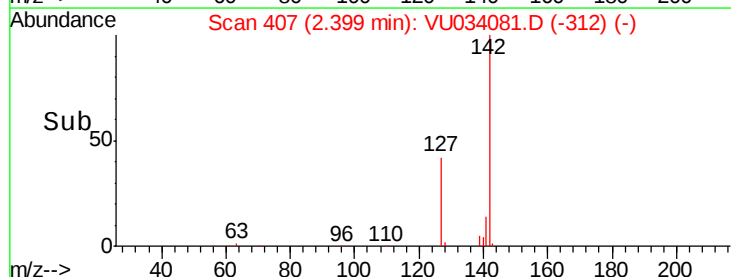
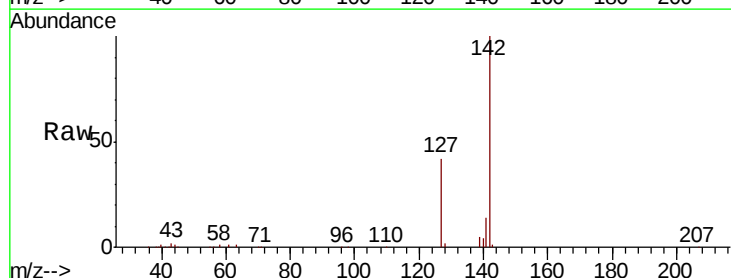
Tgt Ion:142 Resp: 105140

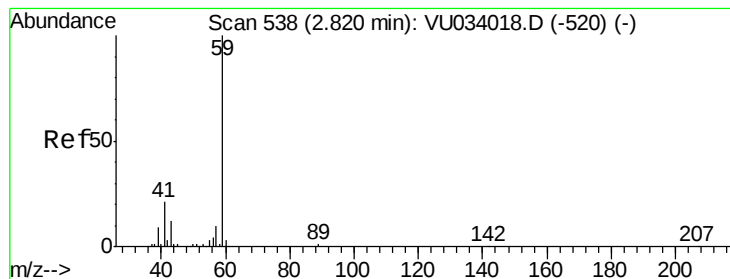
Ion Ratio Lower Upper

142 100

127 41.7 32.6 48.8

141 14.2 11.3 16.9



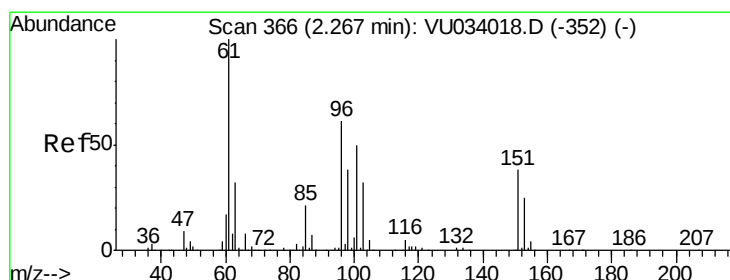
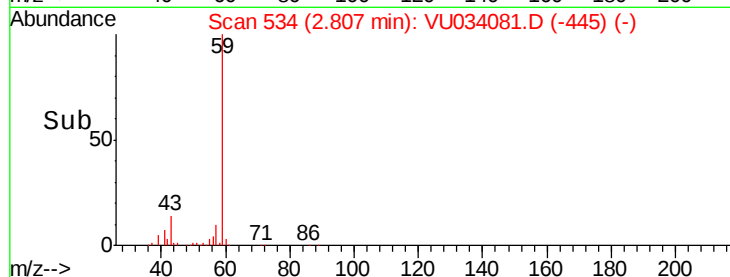
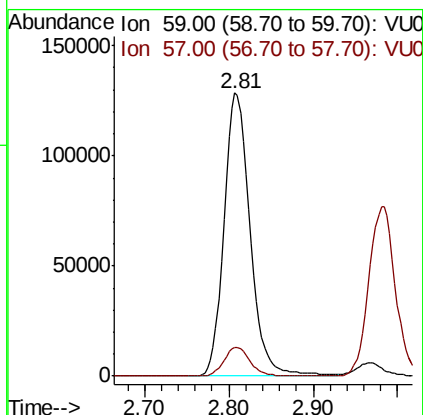
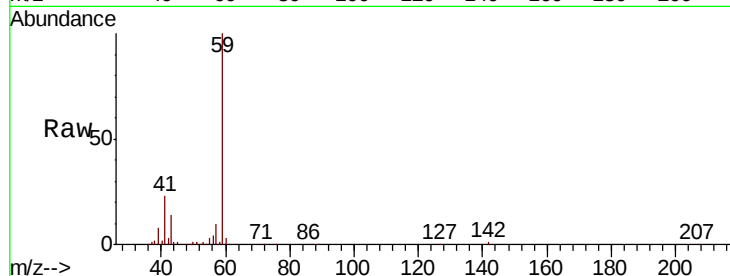


#11

Tert butyl alcohol
 Concen: 221.771 ug/l
 RT: 2.81 min Scan# 534
 Delta R.T. -0.01 min
 Lab File: VU034081.D
 Acq: 29 Aug 2019 22:38

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

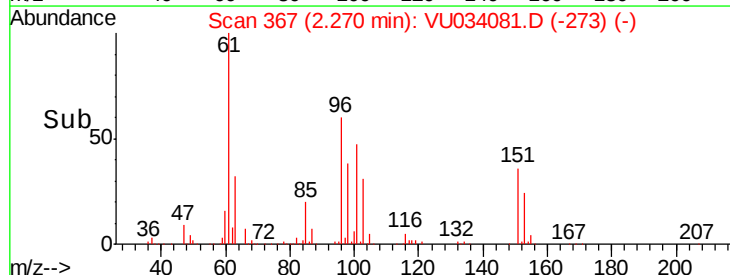
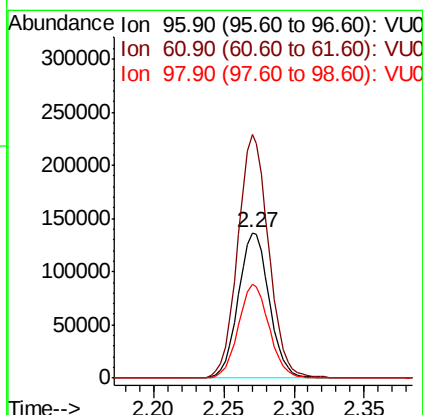
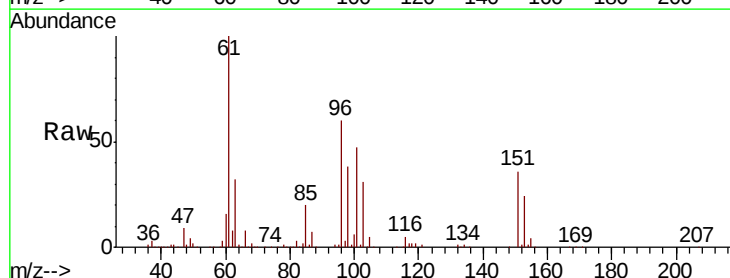
Tgt Ion: 59 Resp: 277088
 Ion Ratio Lower Upper
 59 100
 57 10.0 8.0 12.0

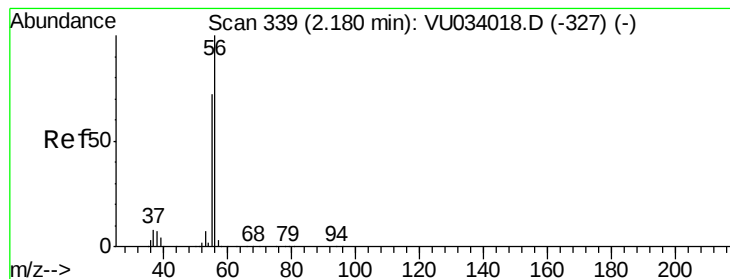


#12

1,1-Dichloroethene
 Concen: 49.912 ug/l
 RT: 2.27 min Scan# 367
 Delta R.T. 0.00 min
 Lab File: VU034081.D
 Acq: 29 Aug 2019 22:38

Tgt Ion: 96 Resp: 211282
 Ion Ratio Lower Upper
 96 100
 61 167.2 131.3 196.9
 98 64.2 50.3 75.5





#13

Acrolein

Concen: 200.584 ug/l

RT: 2.18 min Scan# 340

Delta R.T. 0.00 min

Lab File: VU034081.D

Acq: 29 Aug 2019 22:38

Instrument :

MSVOA_U

ClientSampleId :

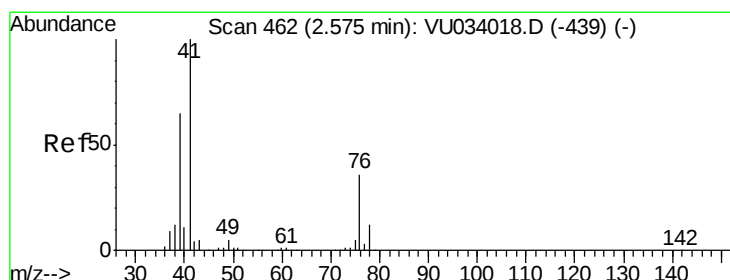
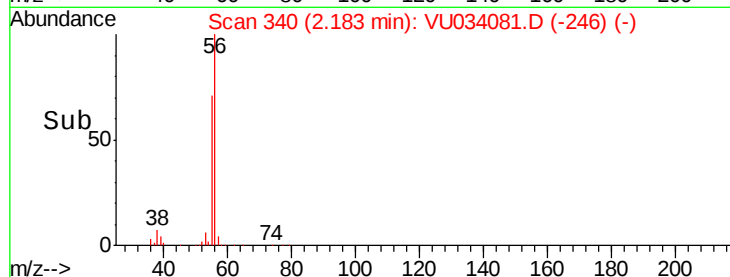
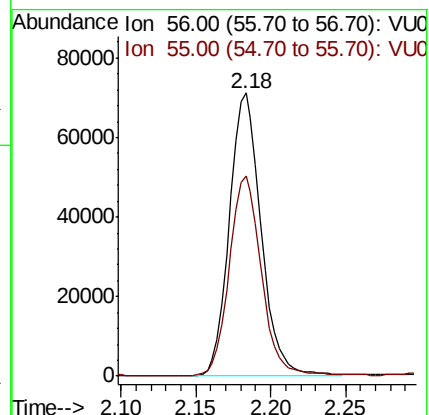
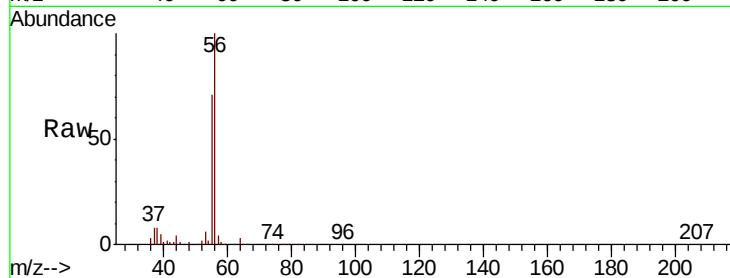
VSTDCCC050EC

Tgt Ion: 56 Resp: 105428

Ion Ratio Lower Upper

56 100

55 71.9 57.1 85.7



#14

Allyl chloride

Concen: 43.672 ug/l

RT: 2.58 min Scan# 463

Delta R.T. 0.00 min

Lab File: VU034081.D

Acq: 29 Aug 2019 22:38

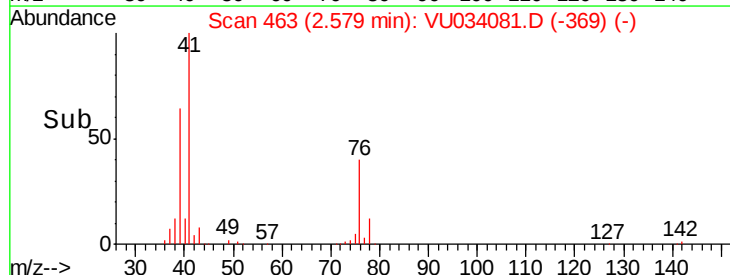
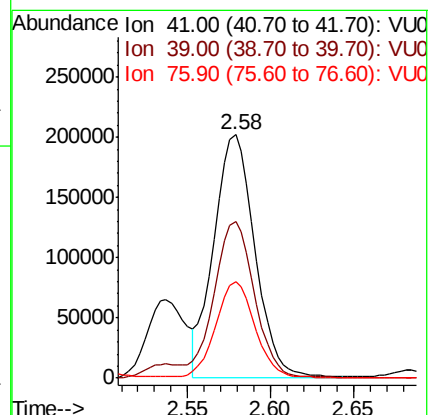
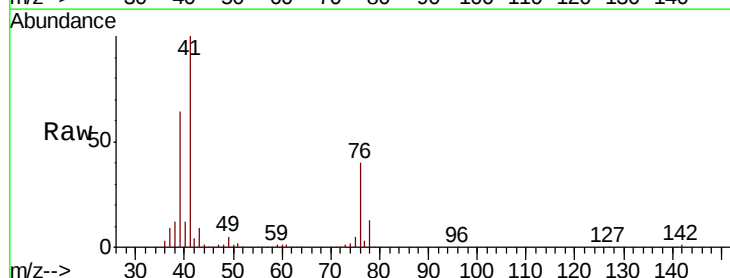
Tgt Ion: 41 Resp: 347586

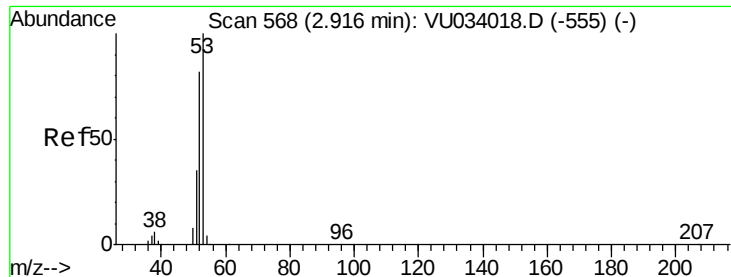
Ion Ratio Lower Upper

41 100

39 63.2 46.8 70.2

76 38.0 26.6 40.0





#15

Acrylonitrile

Concen: 257.139 ug/l

RT: 2.92 min Scan# 568

Delta R.T. 0.00 min

Lab File: VU034081.D

Acq: 29 Aug 2019 22:38

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

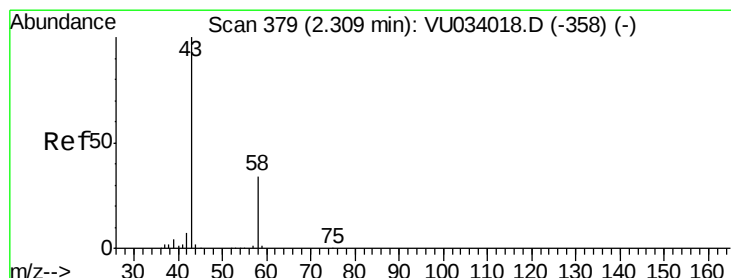
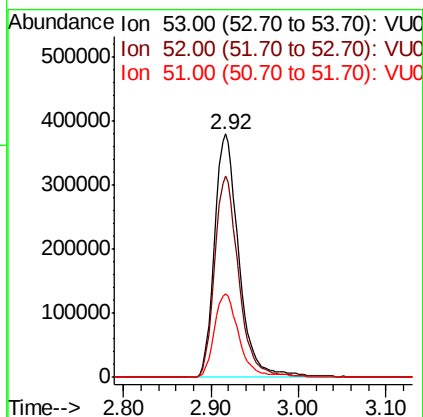
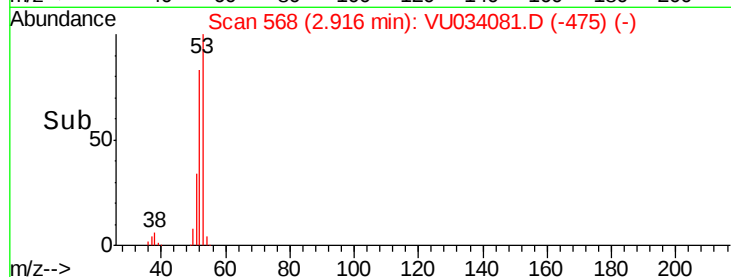
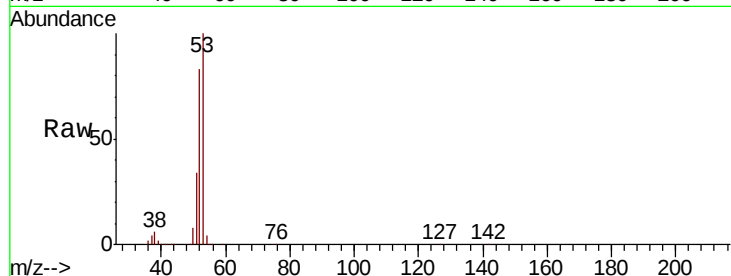
Tgt Ion: 53 Resp: 737233

Ion Ratio Lower Upper

53 100

52 82.1 65.7 98.5

51 35.3 27.9 41.9



#16

Acetone

Concen: 217.752 ug/l

RT: 2.31 min Scan# 379

Delta R.T. 0.00 min

Lab File: VU034081.D

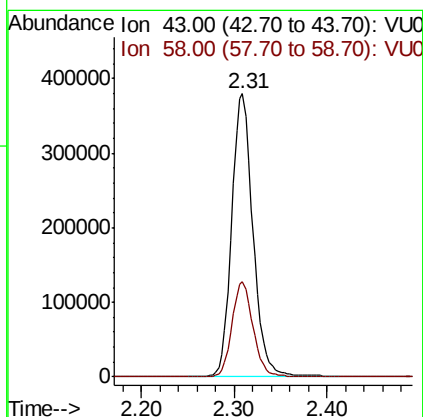
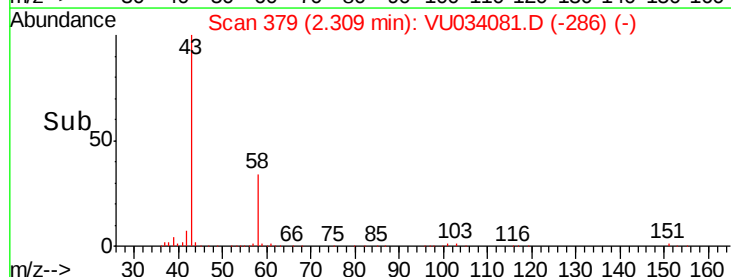
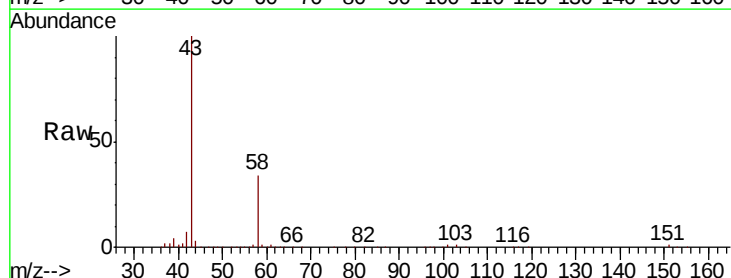
Acq: 29 Aug 2019 22:38

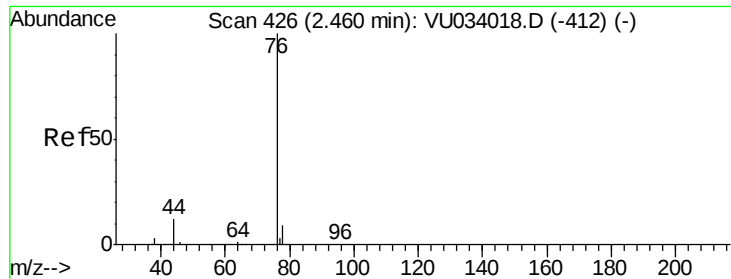
Tgt Ion: 43 Resp: 601984

Ion Ratio Lower Upper

43 100

58 33.5 26.8 40.2

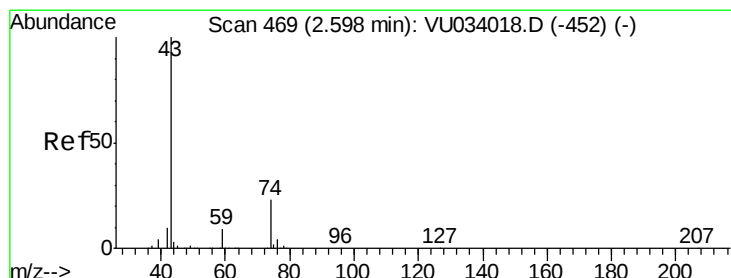
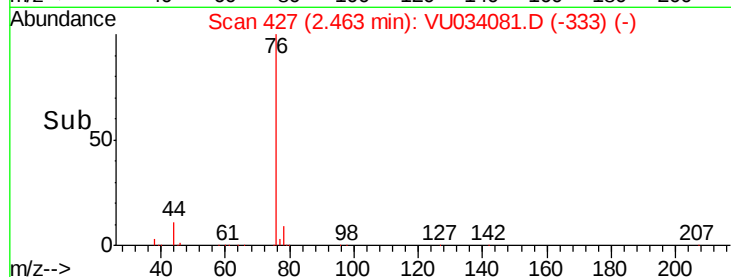
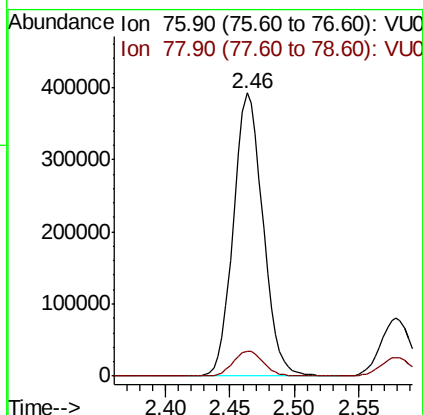
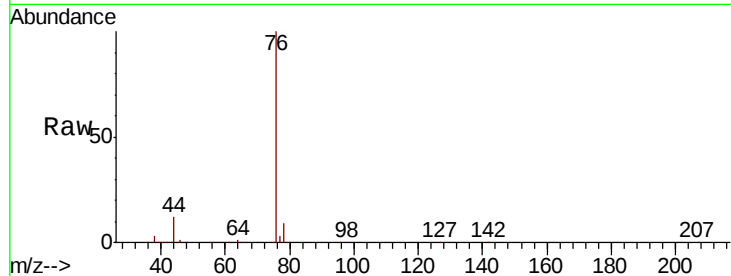




#17
 Carbon Disulfide
 Concen: 46.740 ug/l
 RT: 2.46 min Scan# 427
 Delta R.T. 0.00 min
 Lab File: VU034081.D
 Acq: 29 Aug 2019 22:38

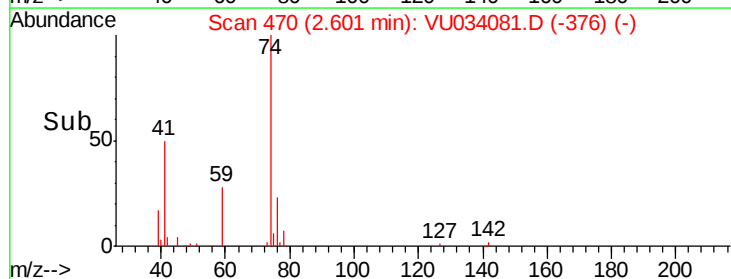
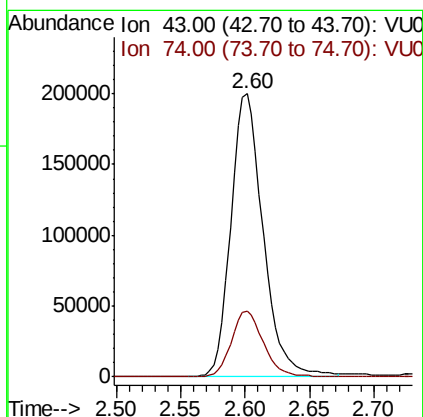
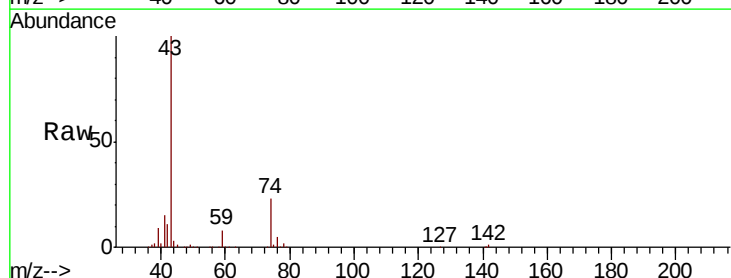
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

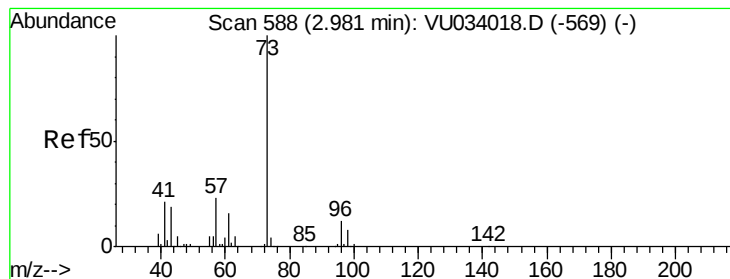
Tgt Ion: 76 Resp: 626198
 Ion Ratio Lower Upper
 76 100
 78 8.9 7.1 10.7



#18
 Methyl Acetate
 Concen: 48.310 ug/l
 RT: 2.60 min Scan# 470
 Delta R.T. 0.00 min
 Lab File: VU034081.D
 Acq: 29 Aug 2019 22:38

Tgt Ion: 43 Resp: 345132
 Ion Ratio Lower Upper
 43 100
 74 23.6 19.2 28.8



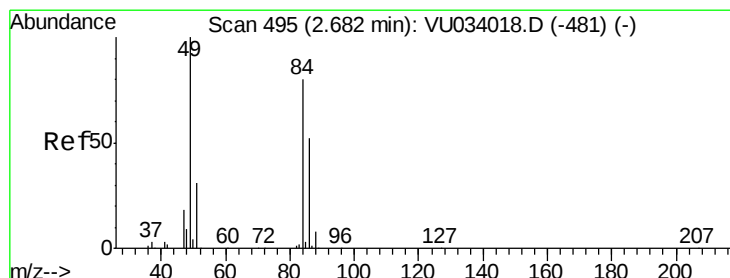
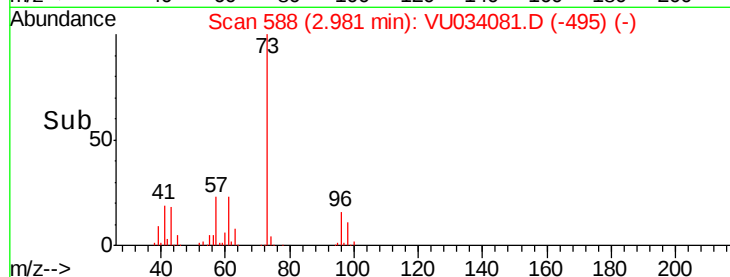
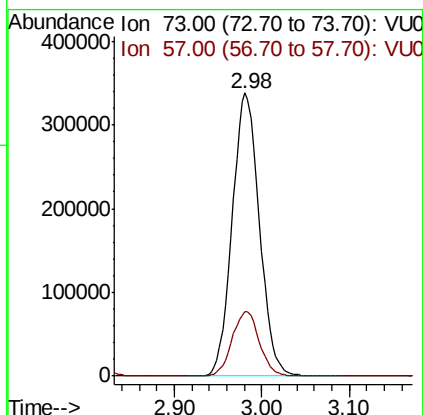
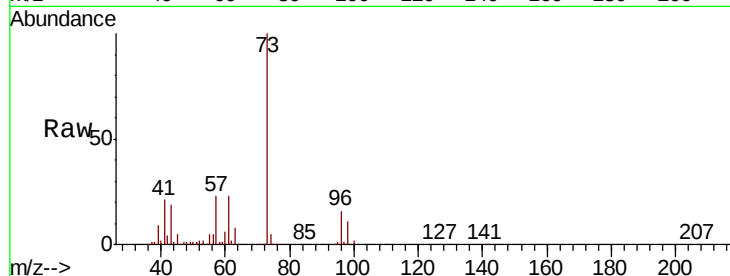


#19

Methyl tert-butyl Ether
 Concen: 52.521 ug/l
 RT: 2.98 min Scan# 588
 Delta R.T. 0.00 min
 Lab File: VU034081.D
 Acq: 29 Aug 2019 22:38

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

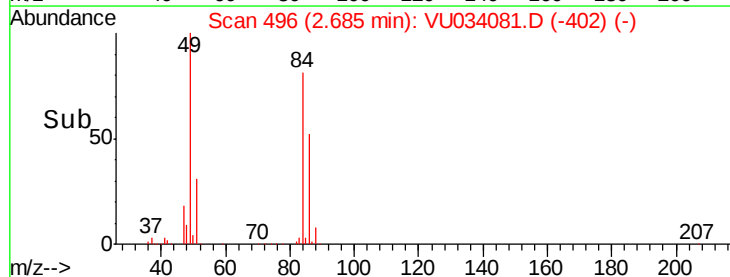
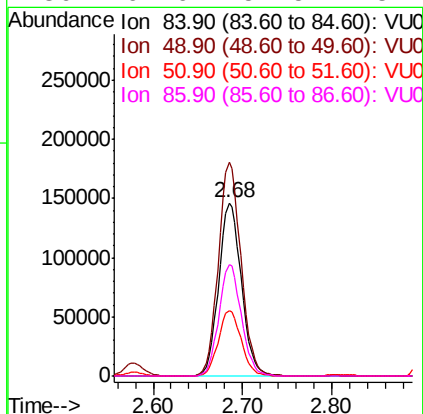
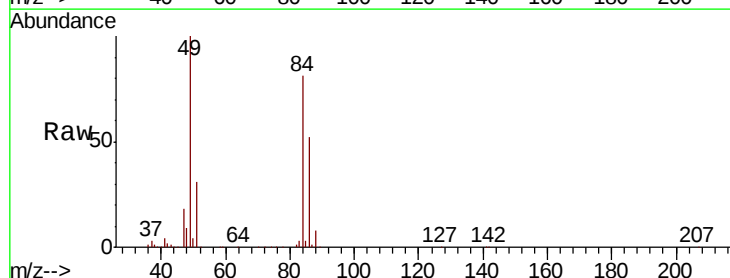
Tgt Ion: 73 Resp: 728454
 Ion Ratio Lower Upper
 73 100
 57 22.7 18.3 27.5

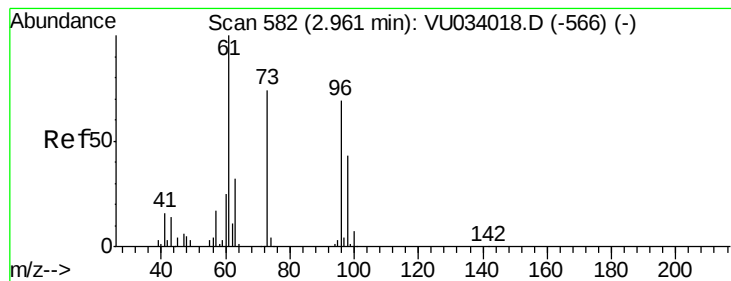


#20

Methylene Chloride
 Concen: 49.170 ug/l
 RT: 2.68 min Scan# 495
 Delta R.T. 0.00 min
 Lab File: VU034081.D
 Acq: 29 Aug 2019 22:38

Tgt Ion: 84 Resp: 257337
 Ion Ratio Lower Upper
 84 100
 49 123.5 100.2 150.4
 51 38.0 30.8 46.2
 86 64.6 52.5 78.7





#21

trans-1,2-Dichloroethene

Concen: 49.888 ug/l

RT: 2.96 min Scan# 583

Delta R.T. 0.00 min

Lab File: VU034081.D

Acq: 29 Aug 2019 22:38

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

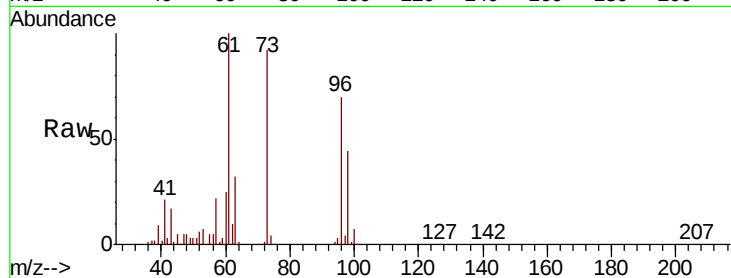
Tgt Ion: 96 Resp: 229193

Ion Ratio Lower Upper

96 100

61 143.6 115.5 173.3

98 62.9 50.1 75.1

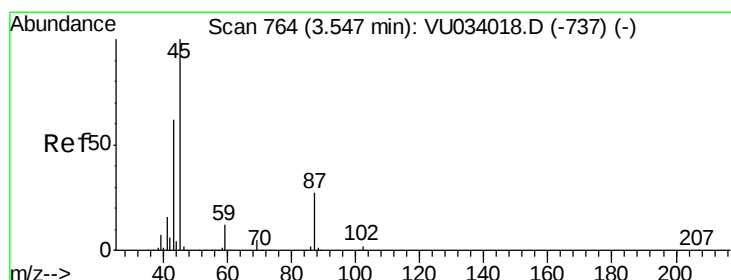
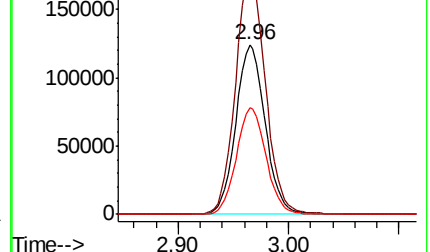
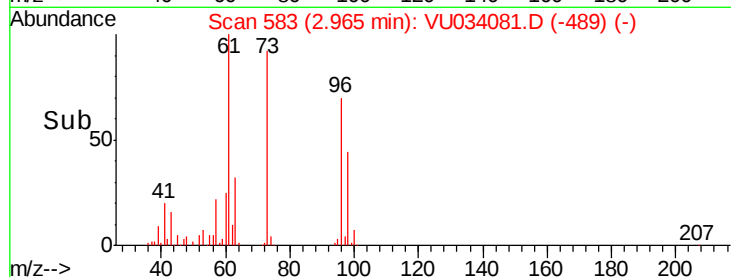


Abundance Ion 95.90 (95.60 to 96.60): VU034081.D (-566) (-)

Ion 60.90 (60.60 to 61.60): VU034081.D (-566) (-)

Ion 97.90 (97.60 to 98.60): VU034081.D (-566) (-)

2.96



#22

Diisopropyl ether

Concen: 52.474 ug/l

RT: 3.55 min Scan# 765

Delta R.T. 0.00 min

Lab File: VU034081.D

Acq: 29 Aug 2019 22:38

Tgt Ion: 45 Resp: 765279

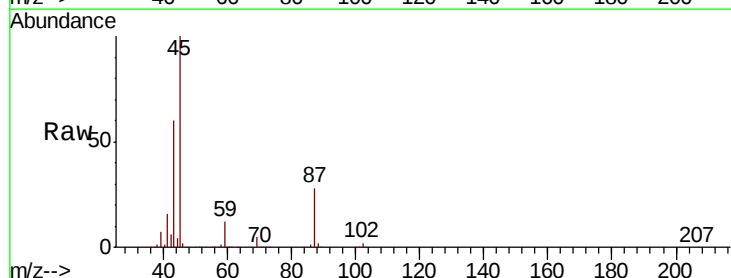
Ion Ratio Lower Upper

45 100

43 60.3 49.7 74.5

87 28.1 21.8 32.8

59 11.9 9.3 13.9



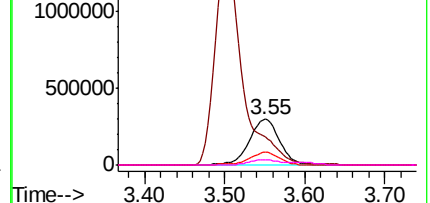
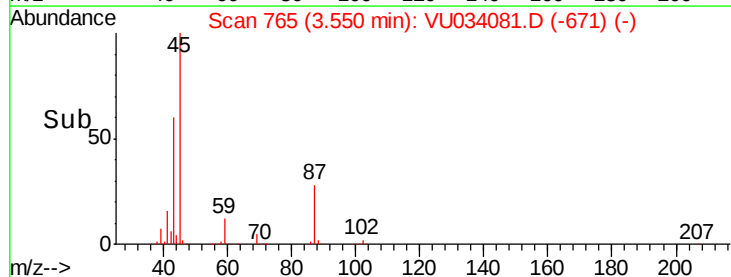
Abundance Ion 45.00 (44.70 to 45.70): VU034081.D (-737) (-)

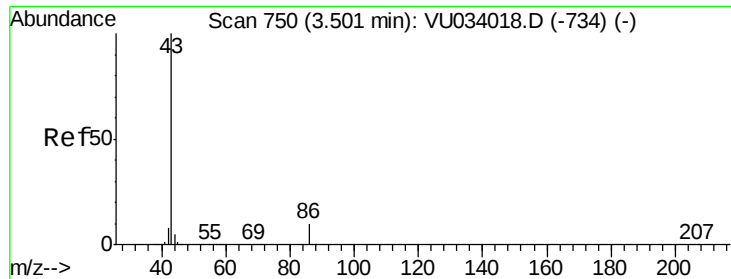
Ion 43.00 (42.70 to 43.70): VU034081.D (-737) (-)

Ion 87.00 (86.70 to 87.70): VU034081.D (-737) (-)

Ion 59.00 (58.70 to 59.70): VU034081.D (-737) (-)

3.55





#23

Vinyl Acetate

Concen: 263.871 ug/l

RT: 3.50 min Scan# 750

Delta R.T. 0.00 min

Lab File: VU034081.D

Acq: 29 Aug 2019 22:38

Instrument :

MSVOA_U

ClientSampleId :

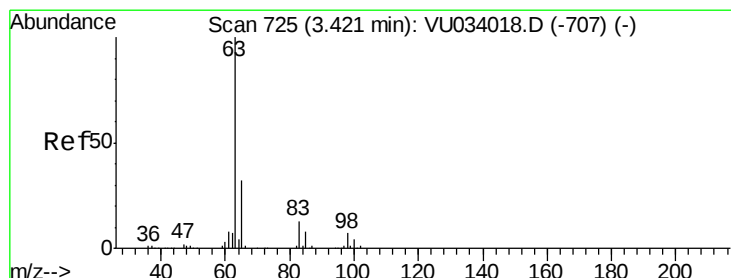
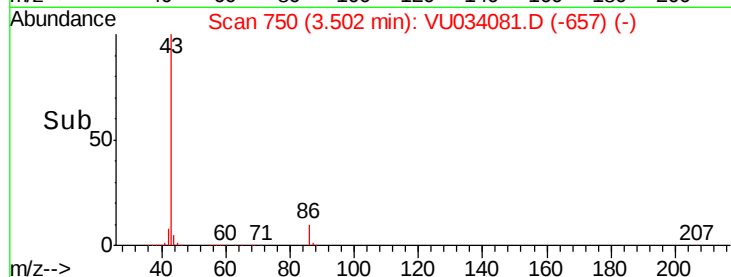
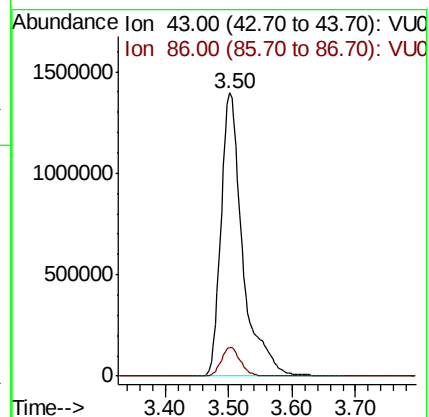
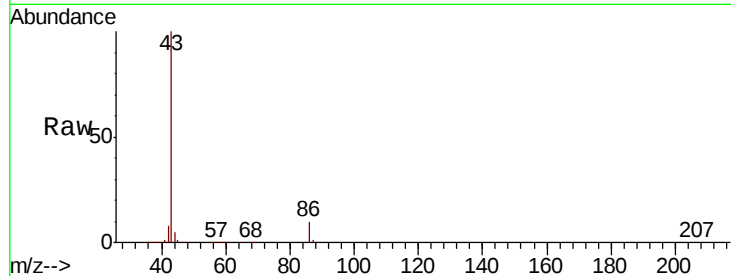
VSTDCCC050EC

Tgt Ion: 43 Resp: 3305816

Ion Ratio Lower Upper

43 100

86 10.1 8.3 12.5



#24

1,1-Dichloroethane

Concen: 50.852 ug/l

RT: 3.42 min Scan# 726

Delta R.T. 0.00 min

Lab File: VU034081.D

Acq: 29 Aug 2019 22:38

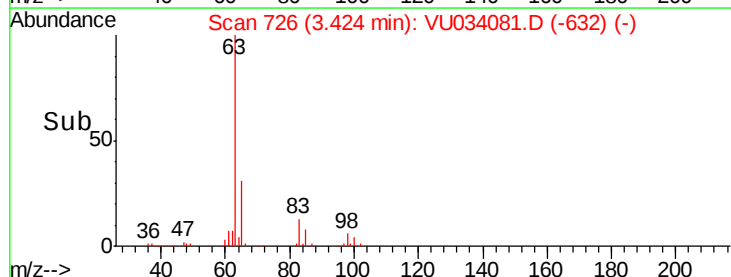
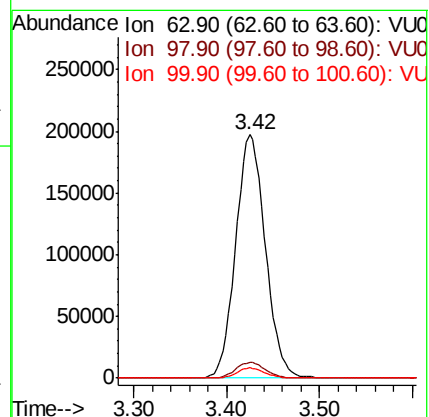
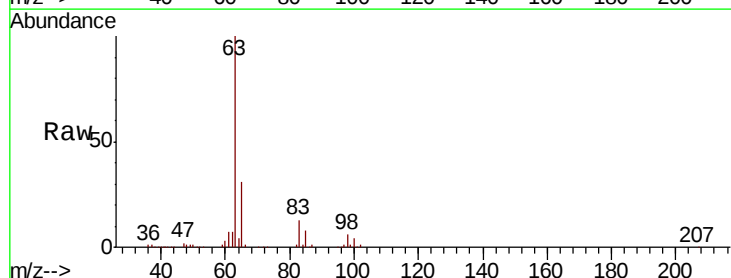
Tgt Ion: 63 Resp: 437852

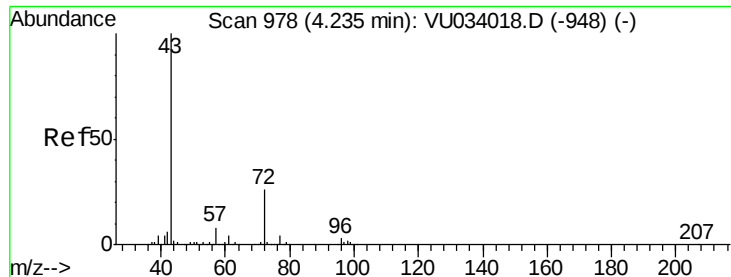
Ion Ratio Lower Upper

63 100

98 6.5 3.3 9.8

100 4.2 2.0 6.0





#25

2-Butanone

Concen: 250.808 ug/l

RT: 4.23 min Scan# 978

Delta R.T. 0.00 min

Lab File: VU034081.D

Acq: 29 Aug 2019 22:38

Instrument :

MSVOA_U

ClientSampleId :

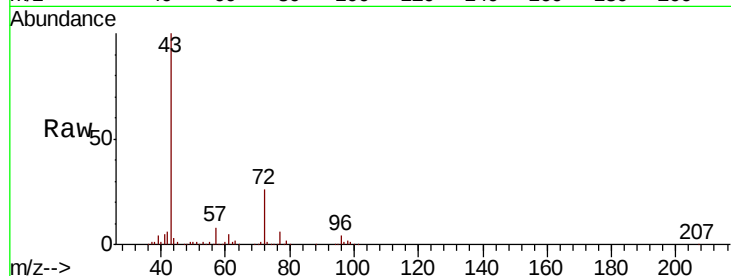
VSTDCCC050EC

Tgt Ion: 43 Resp: 964659

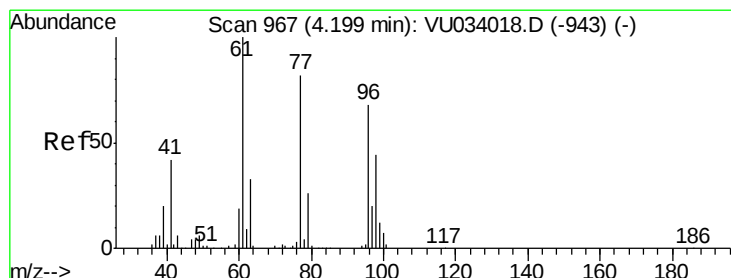
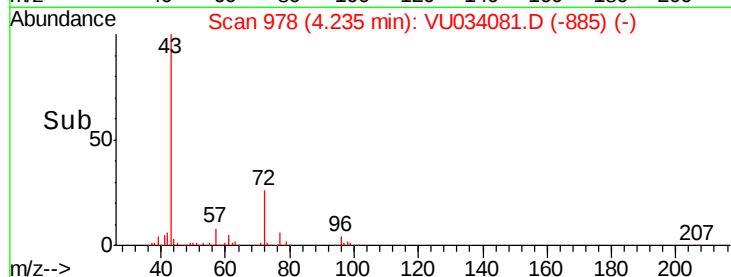
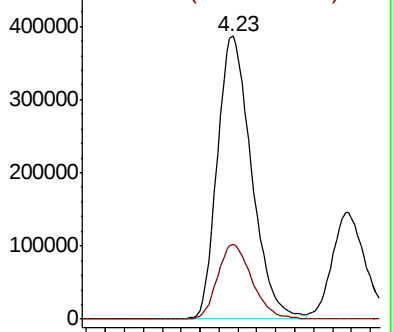
Ion Ratio Lower Upper

43 100

72 26.5 21.2 31.8



Abundance Ion 43.00 (42.70 to 43.70): VU034081.D (-948) (-)



#26

2,2-Dichloropropane

Concen: 44.341 ug/l

RT: 4.20 min Scan# 968

Delta R.T. 0.00 min

Lab File: VU034081.D

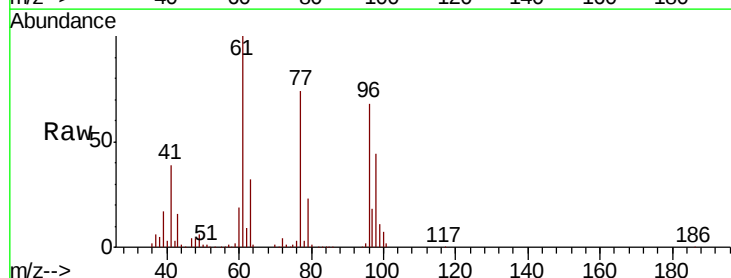
Acq: 29 Aug 2019 22:38

Tgt Ion: 77 Resp: 310659

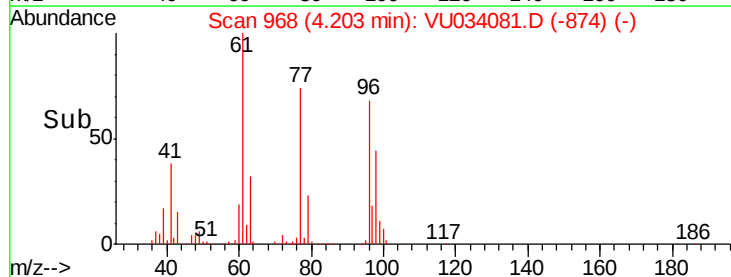
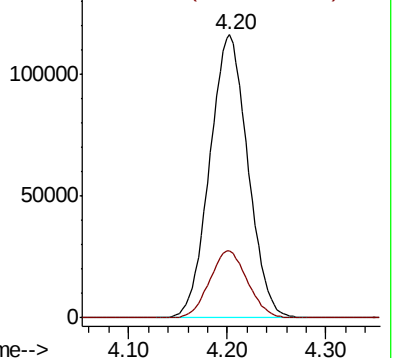
Ion Ratio Lower Upper

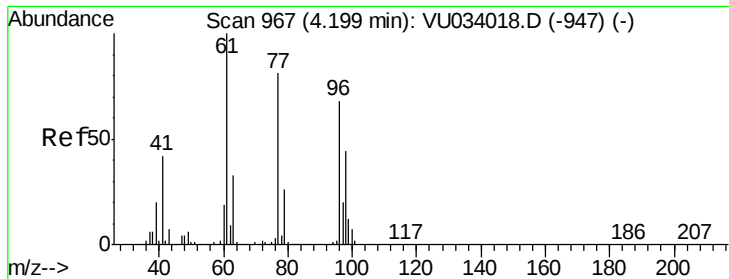
77 100

97 23.6 11.6 34.7



Abundance Ion 76.90 (76.60 to 77.60): VU034081.D (-943) (-)

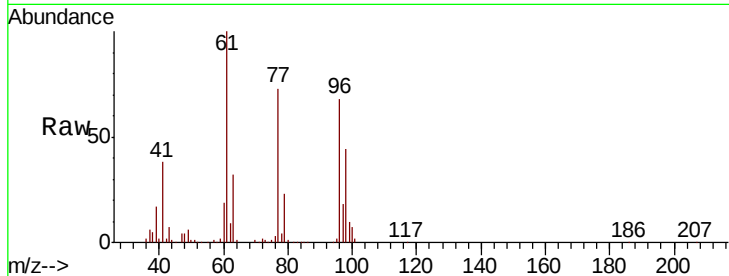




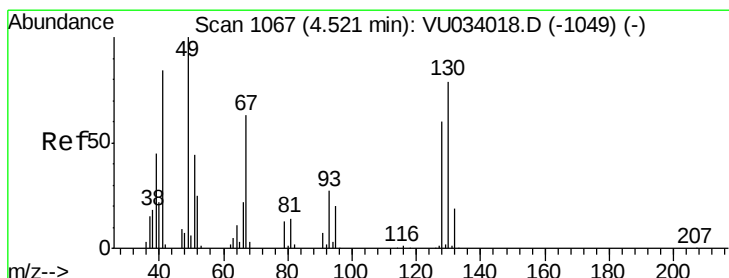
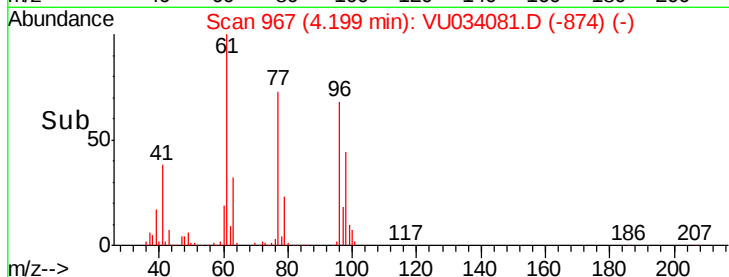
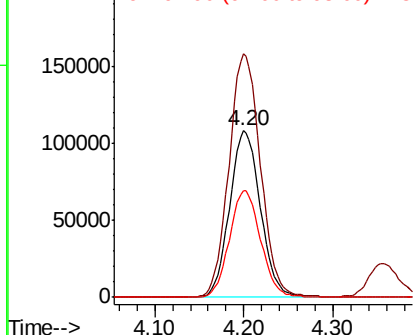
#27
 cis-1,2-Dichloroethene
 Concen: 50.279 ug/l
 RT: 4.20 min Scan# 967
 Delta R.T. 0.00 min
 Lab File: VU034081.D
 Acq: 29 Aug 2019 22:38

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tgt Ion: 96 Resp: 259268
 Ion Ratio Lower Upper
 96 100
 61 149.4 0.0 303.0
 98 64.7 0.0 129.2

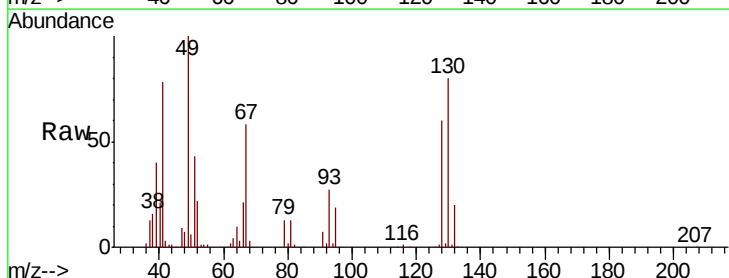


Abundance Ion 95.90 (95.60 to 96.60): VU0
 Ion 60.90 (60.60 to 61.60): VU0
 Ion 97.90 (97.60 to 98.60): VU0

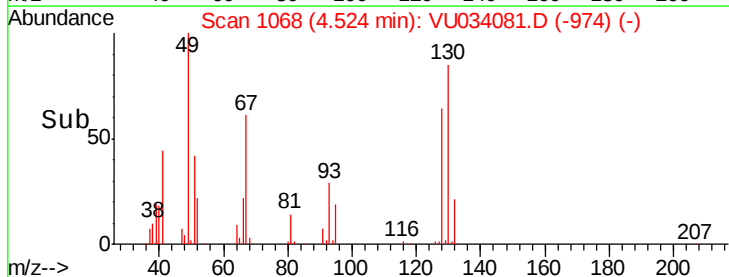
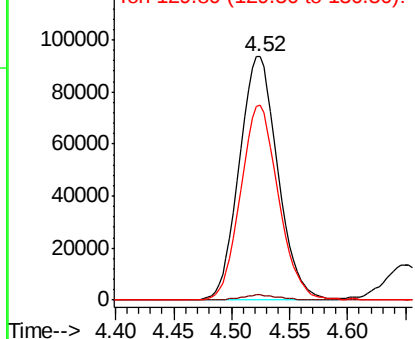


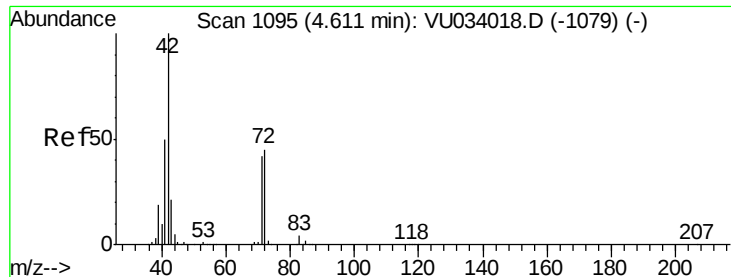
#28
 Bromochloromethane
 Concen: 51.173 ug/l
 RT: 4.52 min Scan# 1068
 Delta R.T. 0.00 min
 Lab File: VU034081.D
 Acq: 29 Aug 2019 22:38

Tgt Ion: 49 Resp: 217080
 Ion Ratio Lower Upper
 49 100
 129 2.1 0.0 3.6
 130 78.8 62.8 94.2



Abundance Ion 48.90 (48.60 to 49.60): VU0
 Ion 128.80 (128.50 to 129.50): V
 Ion 129.80 (129.50 to 130.50): V





#29

Tetrahydrofuran

Concen: 264.015 ug/l

RT: 4.61 min Scan# 1095

Delta R.T. 0.00 min

Lab File: VU034081.D

Acq: 29 Aug 2019 22:38

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

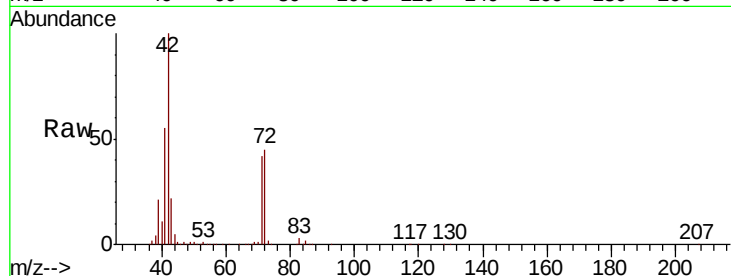
Tgt Ion: 42 Resp: 626231

Ion Ratio Lower Upper

42 100

72 43.9 35.8 53.6

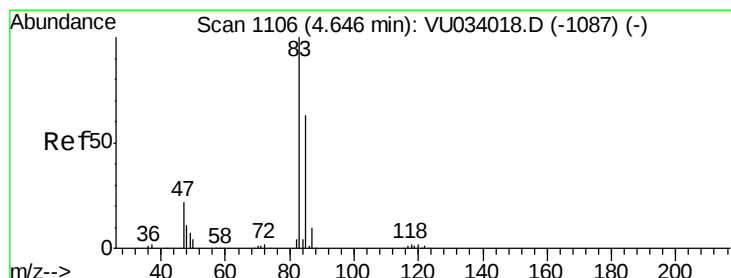
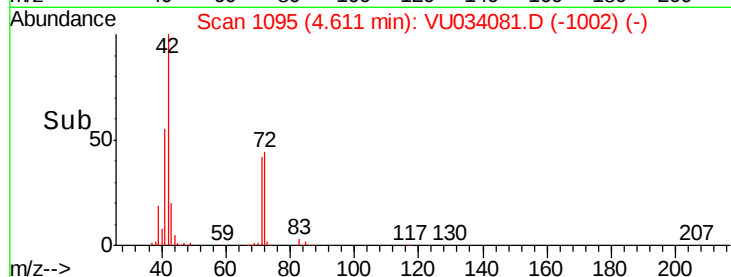
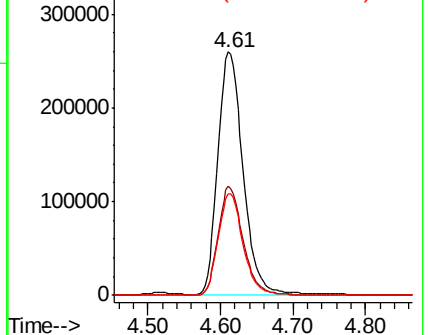
71 41.5 34.0 51.0



Abundance Ion 42.00 (41.70 to 42.70): VU034081.D (-1079) (-)

Ion 72.00 (71.70 to 72.70): VU034081.D (-1079) (-)

Ion 71.00 (70.70 to 71.70): VU034081.D (-1079) (-)



#30

Chloroform

Concen: 48.960 ug/l

RT: 4.65 min Scan# 1107

Delta R.T. 0.00 min

Lab File: VU034081.D

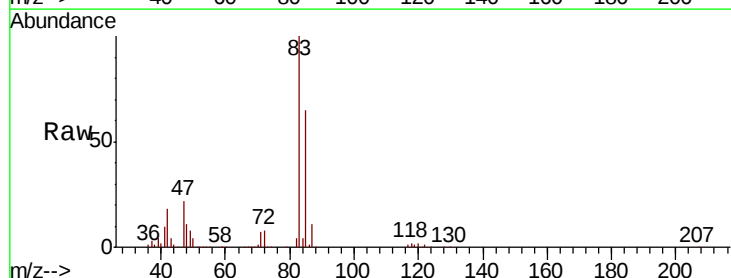
Acq: 29 Aug 2019 22:38

Tgt Ion: 83 Resp: 420601

Ion Ratio Lower Upper

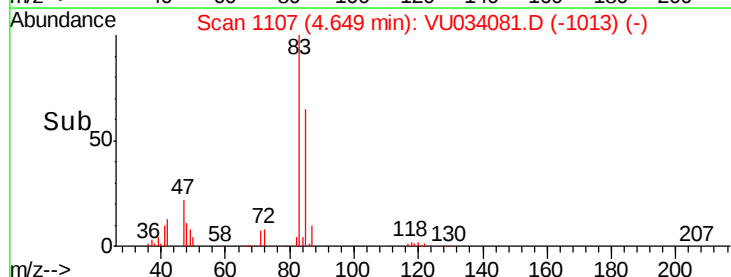
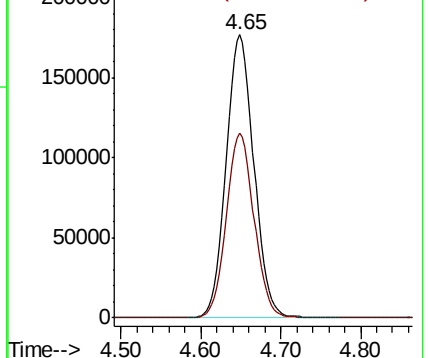
83 100

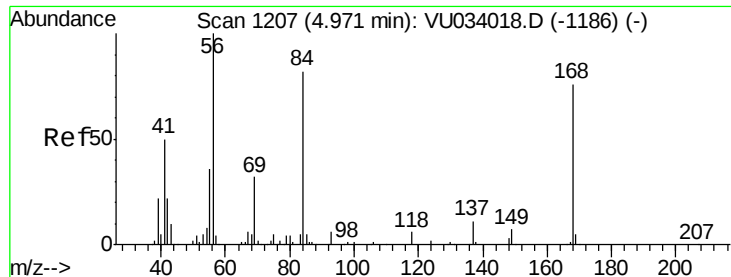
85 65.2 50.7 76.1



Abundance Ion 82.90 (82.60 to 83.60): VU034081.D (-1103) (-)

Ion 84.90 (84.60 to 85.60): VU034081.D (-1103) (-)

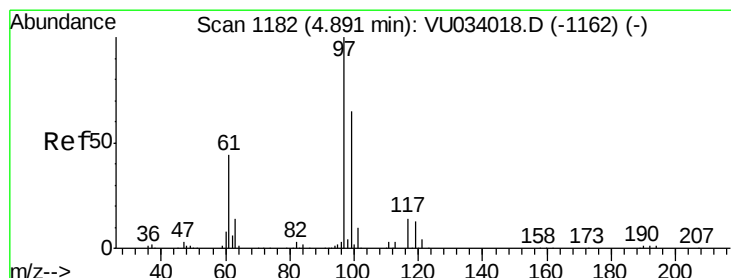
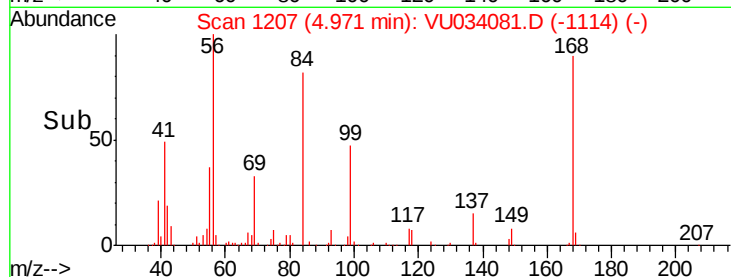
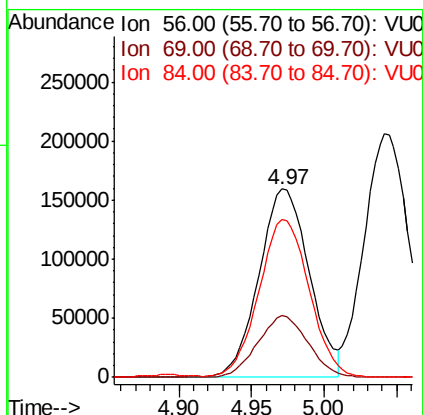
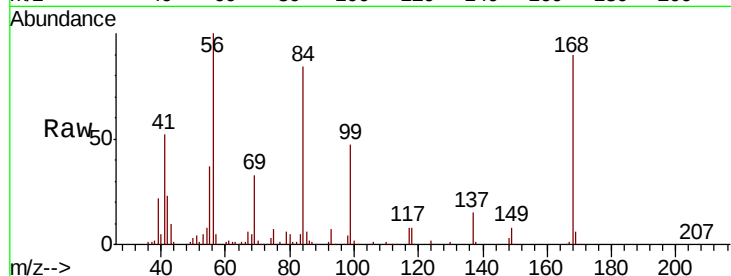




#31
Cyclohexane
Concen: 47.570 ug/l
RT: 4.97 min Scan# 1207
Delta R.T. 0.00 min
Lab File: VU034081.D
Acq: 29 Aug 2019 22:38

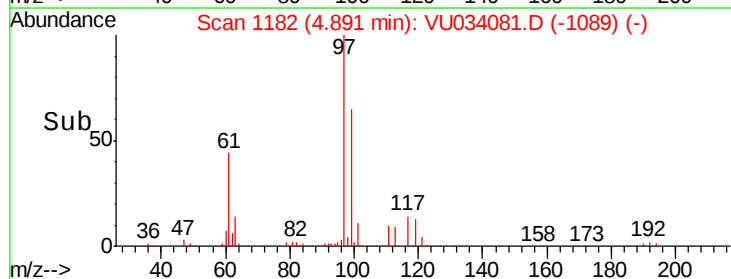
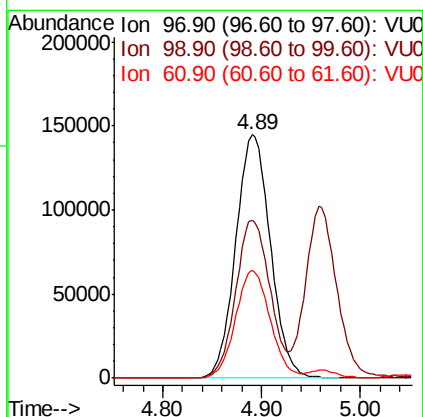
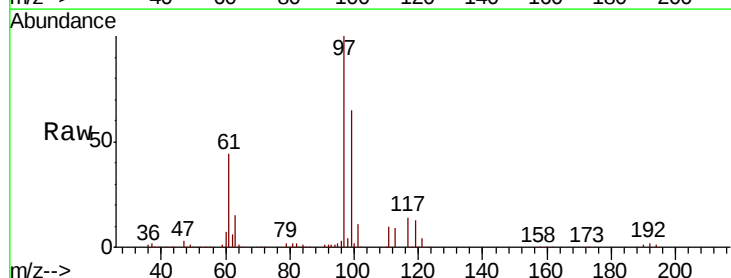
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

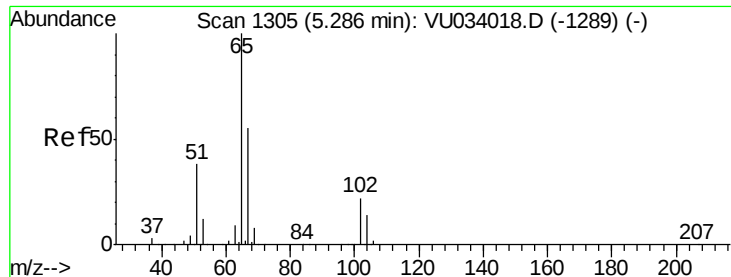
Tgt Ion: 56 Resp: 384874
Ion Ratio Lower Upper
56 100
69 33.0 25.4 38.0
84 83.1 65.8 98.8



#32
1,1,1-Trichloroethane
Concen: 50.107 ug/l
RT: 4.89 min Scan# 1182
Delta R.T. 0.00 min
Lab File: VU034081.D
Acq: 29 Aug 2019 22:38

Tgt Ion: 97 Resp: 352546
Ion Ratio Lower Upper
97 100
99 64.3 51.8 77.6
61 44.2 35.3 52.9





#33

1,2-Dichloroethane-d4

Concen: 50.494 ug/l

RT: 5.29 min Scan# 1305

Delta R.T. 0.00 min

Lab File: VU034081.D

Acq: 29 Aug 2019 22:38

Instrument :

MSVOA_U

ClientSampleId :

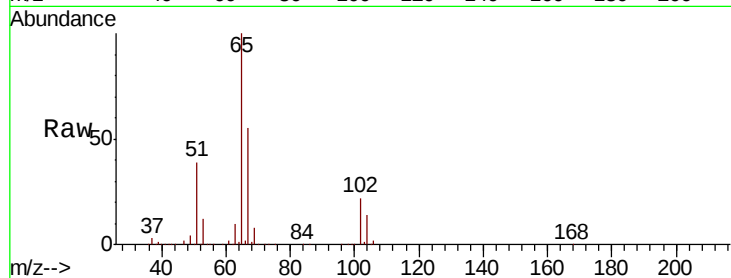
VSTDCCC050EC

Tgt Ion: 65 Resp: 273579

Ion Ratio Lower Upper

65 100

67 55.1 0.0 110.6



Abundance Ion 64.90 (64.60 to 65.60): VU034081.D (-1289) (-)

Ion 66.90 (66.60 to 67.60): VU034081.D (-1289) (-)

5.29

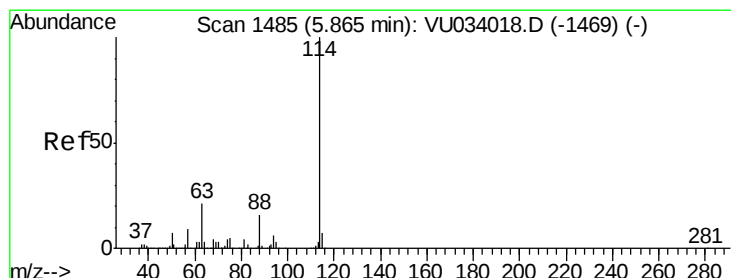
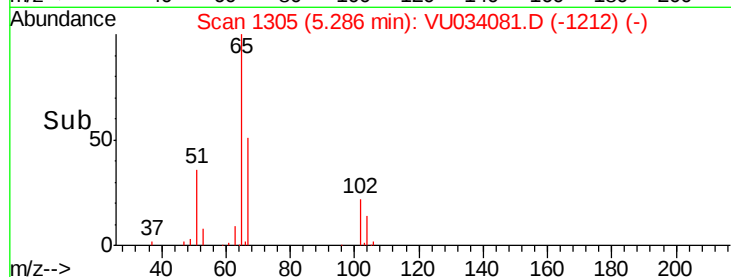
150000

100000

50000

0

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.86 min Scan# 1485

Delta R.T. 0.00 min

Lab File: VU034081.D

Acq: 29 Aug 2019 22:38

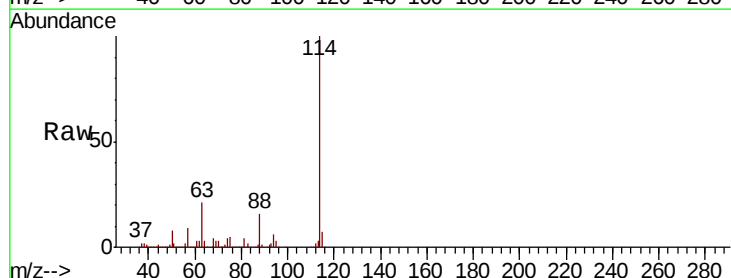
Tgt Ion: 114 Resp: 673112

Ion Ratio Lower Upper

114 100

63 21.4 0.0 42.0

88 16.3 0.0 32.0



Abundance Ion 113.90 (113.60 to 114.60): VU034081.D (-1469) (-)

Ion 63.00 (62.70 to 63.70): VU034081.D (-1469) (-)

Ion 87.90 (87.60 to 88.60): VU034081.D (-1469) (-)

5.86

400000

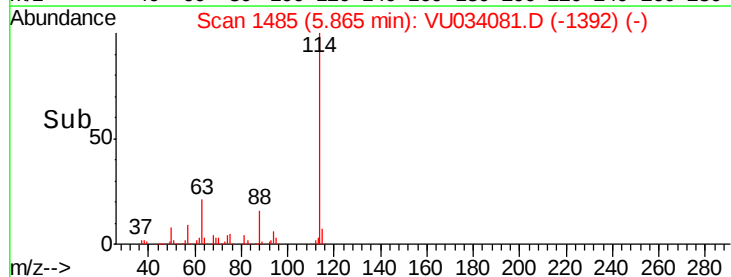
300000

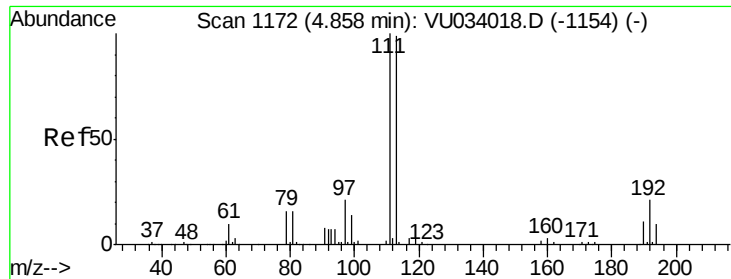
200000

100000

0

Time-->

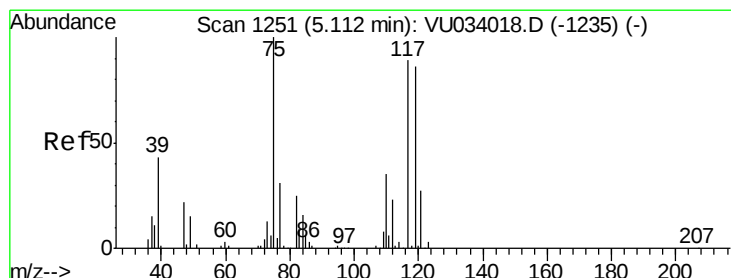
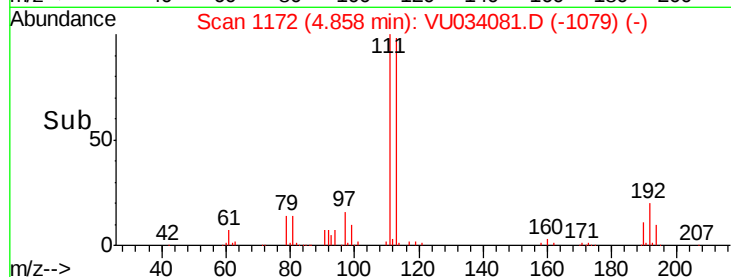
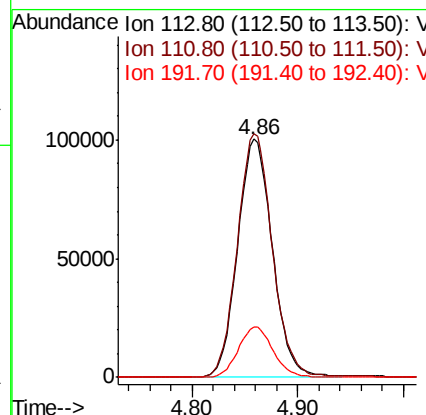
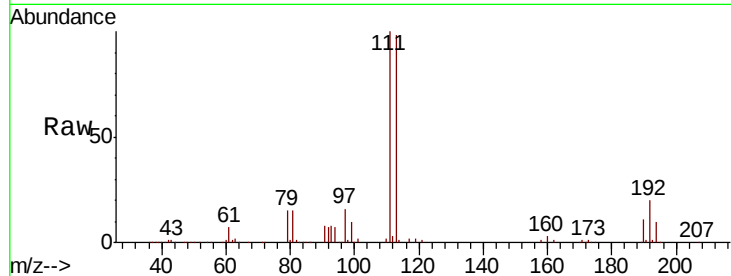




#35
 Dibromofluoromethane
 Concen: 49.230 ug/l
 RT: 4.86 min Scan# 1172
 Delta R.T. 0.00 min
 Lab File: VU034081.D
 Acq: 29 Aug 2019 22:38

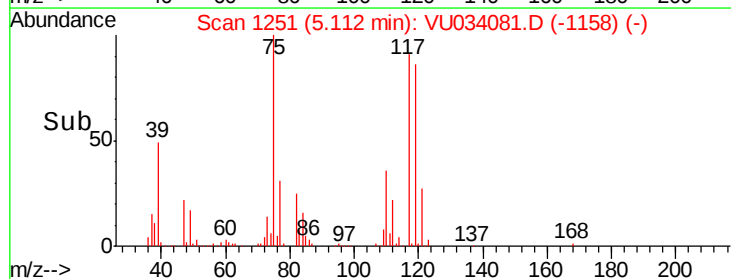
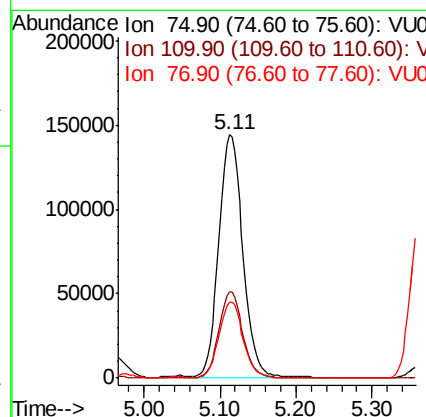
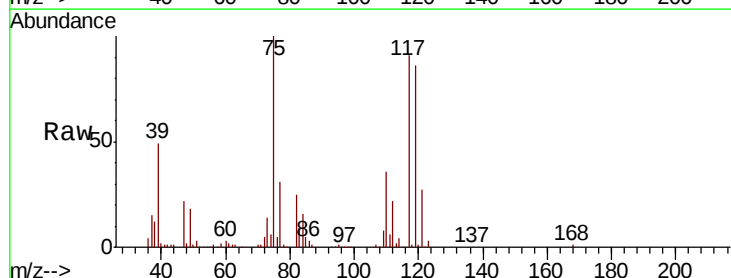
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

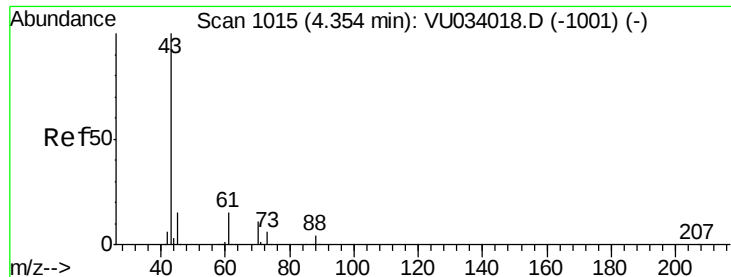
Tgt Ion	Ratio	Lower	Upper
113	100		
111	102.7	81.7	122.5
192	21.1	17.1	25.7



#36
 1,1-Dichloropropene
 Concen: 49.726 ug/l
 RT: 5.11 min Scan# 1251
 Delta R.T. 0.00 min
 Lab File: VU034081.D
 Acq: 29 Aug 2019 22:38

Tgt Ion	Ratio	Lower	Upper
75	100		
110	35.4	17.8	53.5
77	30.7	25.0	37.4

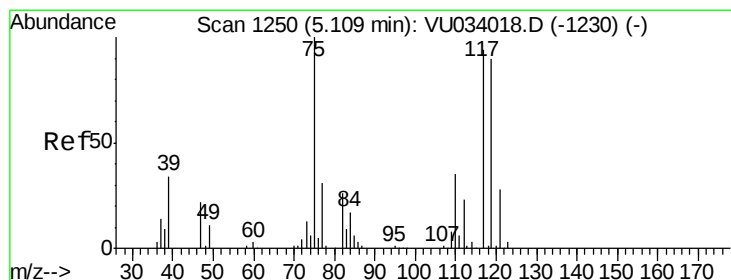
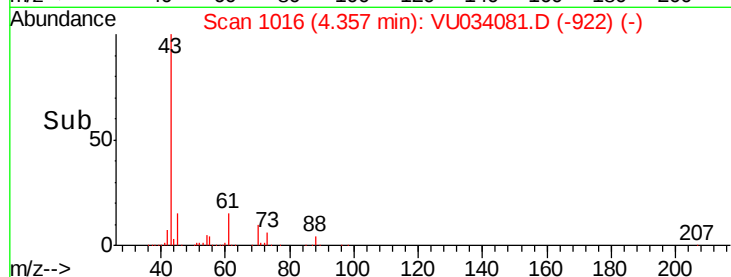
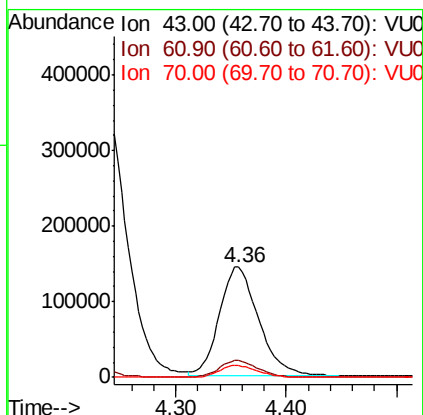
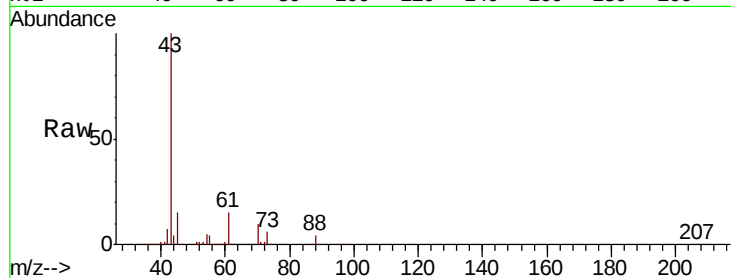




#37
Ethyl Acetate
Concen: 49.525 ug/l
RT: 4.36 min Scan# 1016
Delta R.T. 0.00 min
Lab File: VU034081.D
Acq: 29 Aug 2019 22:38

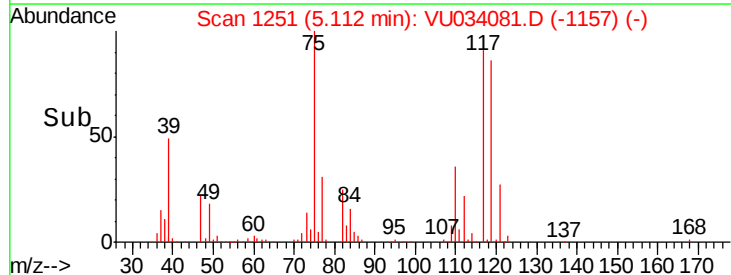
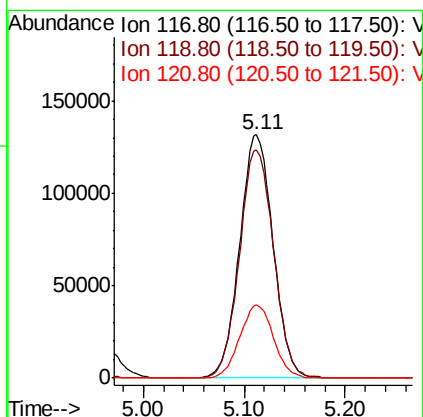
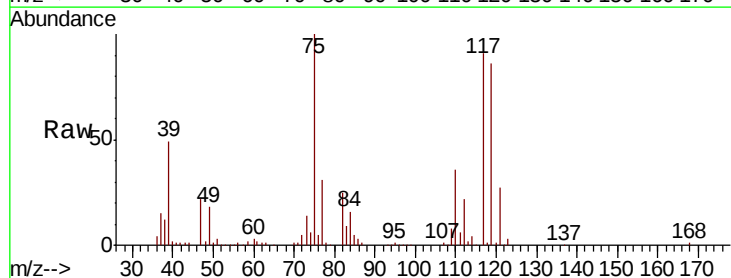
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

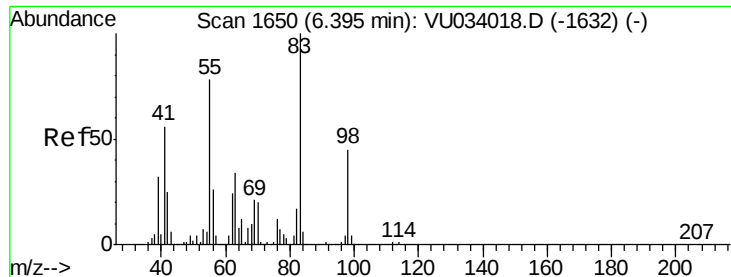
Tgt Ion: 43 Resp: 353098
Ion Ratio Lower Upper
43 100
61 15.1 11.5 17.3
70 11.0 8.6 12.8



#38
Carbon Tetrachloride
Concen: 48.992 ug/l
RT: 5.11 min Scan# 1251
Delta R.T. 0.00 min
Lab File: VU034081.D
Acq: 29 Aug 2019 22:38

Tgt Ion: 117 Resp: 301085
Ion Ratio Lower Upper
117 100
119 94.1 77.0 115.4
121 30.2 23.9 35.9

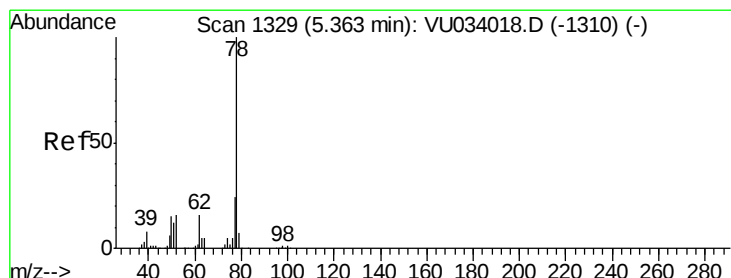
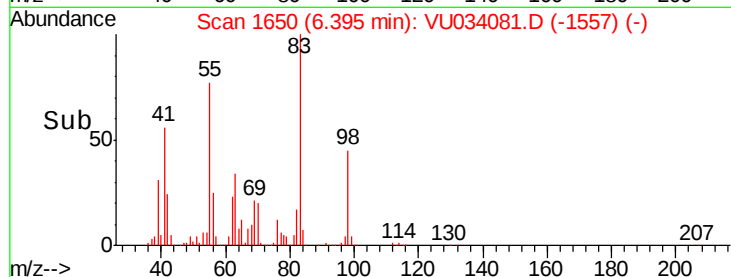
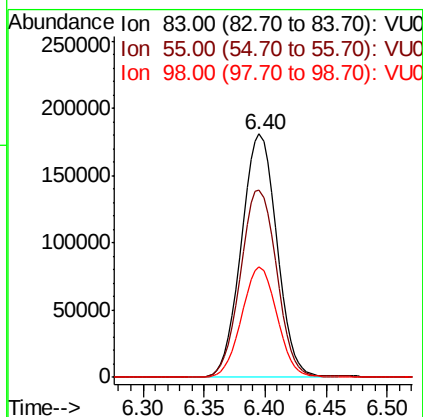
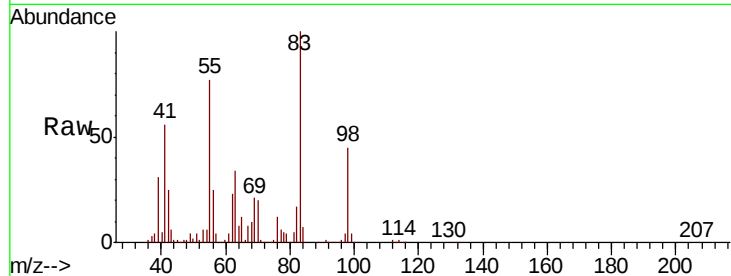




#39
Methylcyclohexane
Concen: 48.626 ug/l
RT: 6.40 min Scan# 1650
Delta R.T. 0.00 min
Lab File: VU034081.D
Acq: 29 Aug 2019 22:38

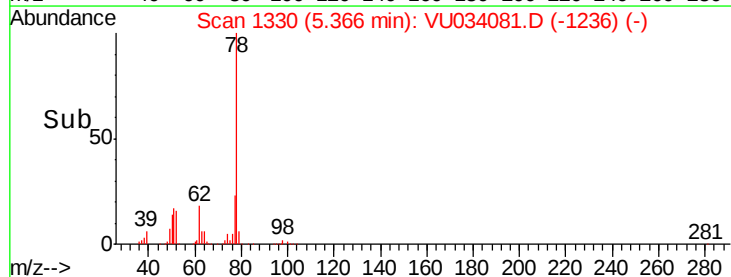
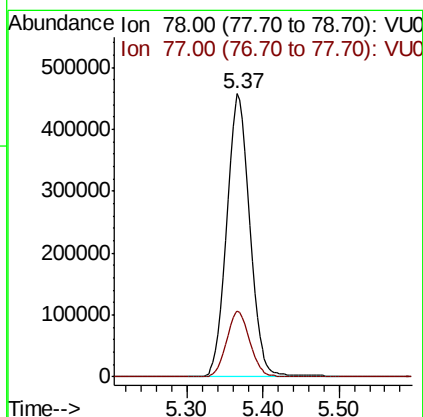
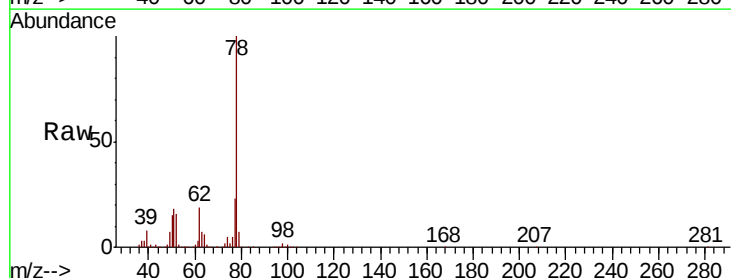
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

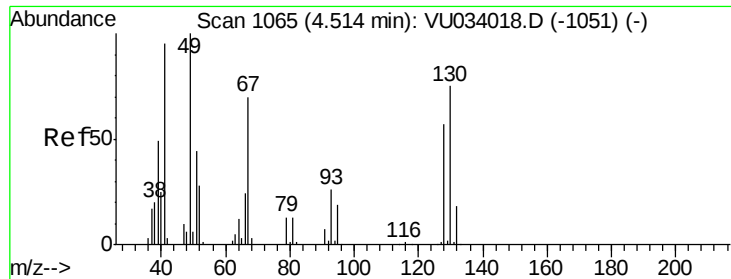
Tgt Ion: 83 Resp: 364891
Ion Ratio Lower Upper
83 100
55 77.0 62.3 93.5
98 45.2 36.2 54.2



#40
Benzene
Concen: 50.598 ug/l
RT: 5.37 min Scan# 1330
Delta R.T. 0.00 min
Lab File: VU034081.D
Acq: 29 Aug 2019 22:38

Tgt Ion: 78 Resp: 974660
Ion Ratio Lower Upper
78 100
77 23.4 19.0 28.6

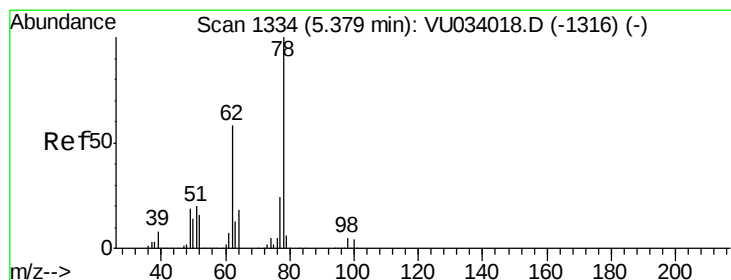
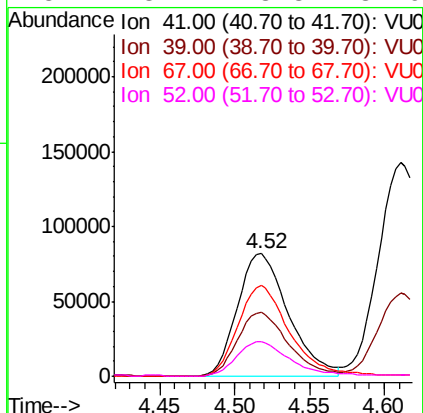
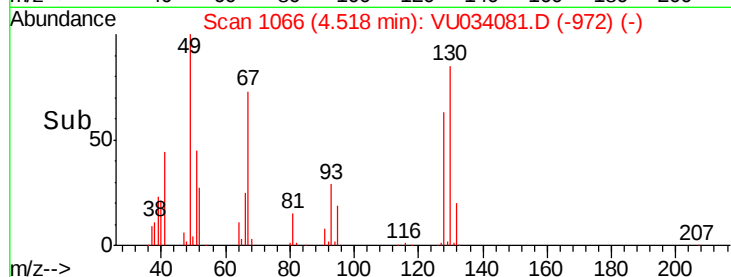
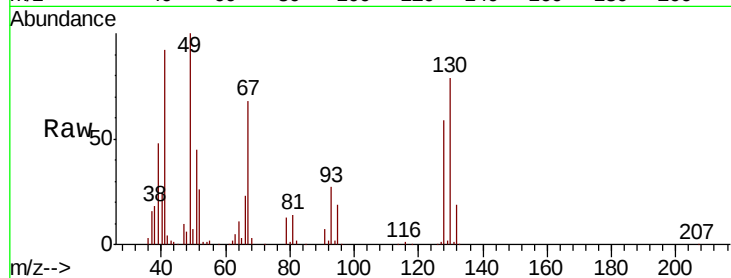




#41
Methacrylonitrile
Concen: 52.664 ug/l
RT: 4.52 min Scan# 1066
Delta R.T. 0.00 min
Lab File: VU034081.D
Acq: 29 Aug 2019 22:38

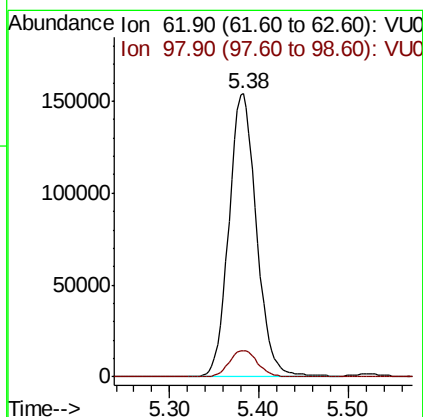
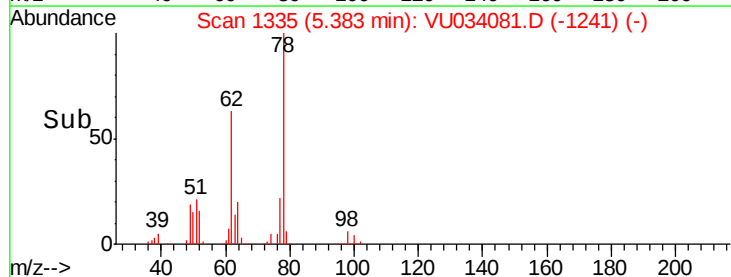
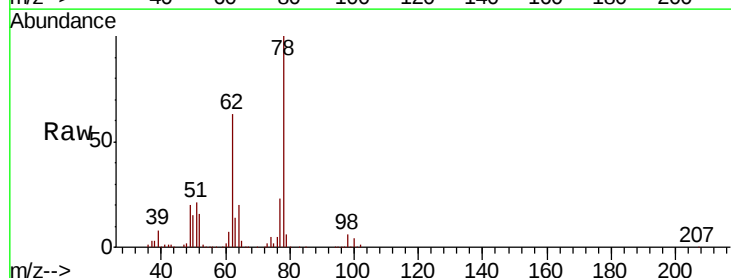
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

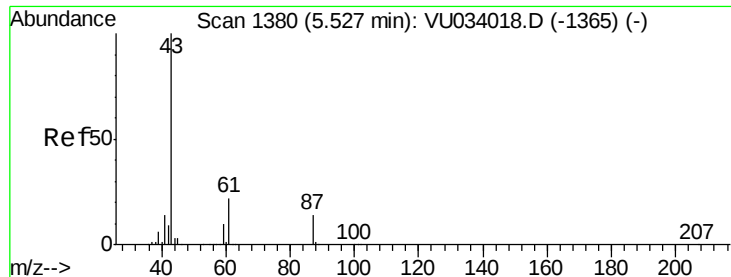
Tgt Ion: 41 Resp: 192566
Ion Ratio Lower Upper
41 100
39 52.3 42.1 63.1
67 76.8 61.0 91.4
52 28.2 23.3 34.9



#42
1,2-Dichloroethane
Concen: 49.675 ug/l
RT: 5.38 min Scan# 1335
Delta R.T. 0.00 min
Lab File: VU034081.D
Acq: 29 Aug 2019 22:38

Tgt Ion: 62 Resp: 330428
Ion Ratio Lower Upper
62 100
98 9.7 0.0 18.2

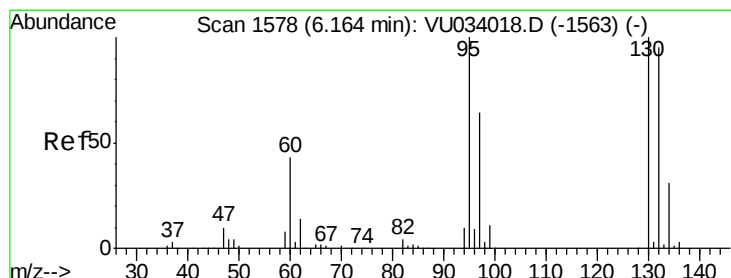
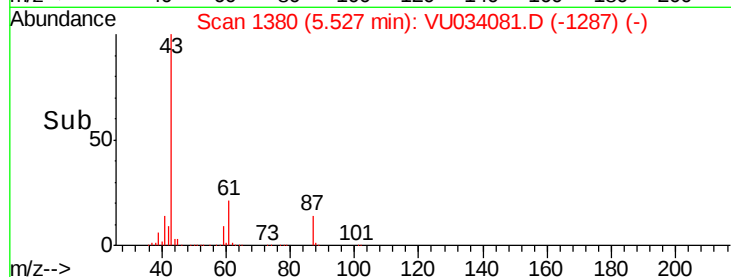
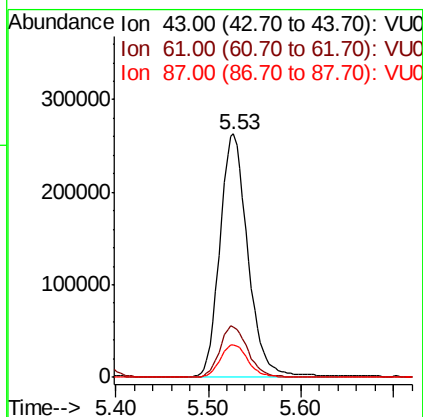
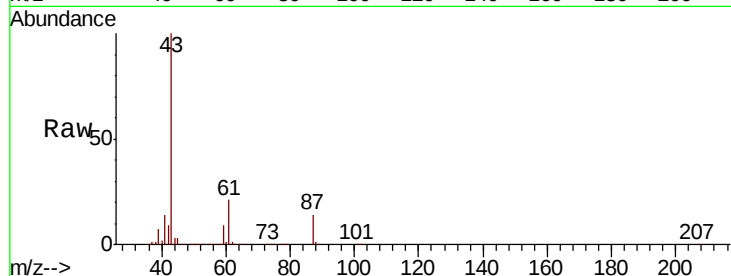




#43
Isopropyl Acetate
Concen: 50.351 ug/l
RT: 5.53 min Scan# 1380
Delta R.T. 0.00 min
Lab File: VU034081.D
Acq: 29 Aug 2019 22:38

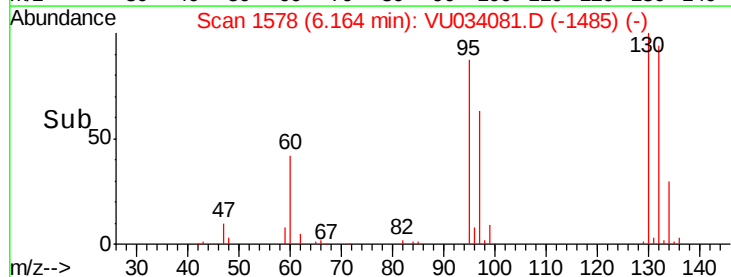
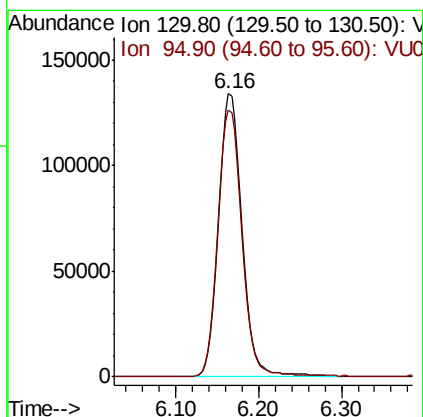
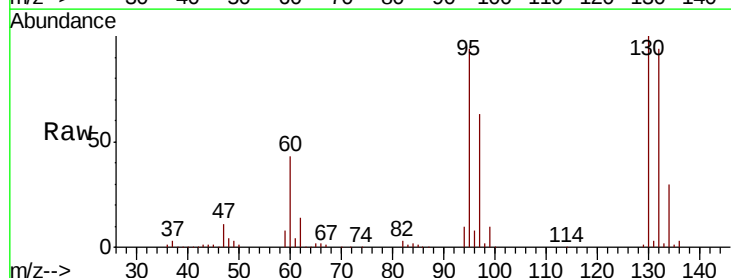
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

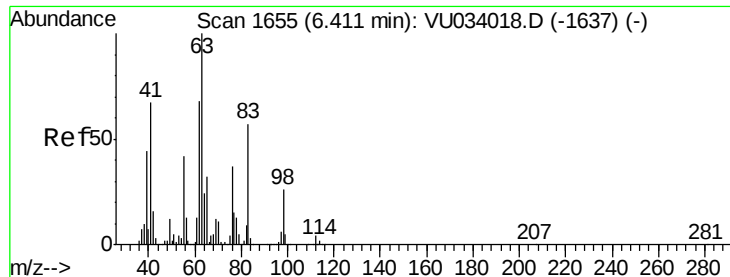
Tgt Ion: 43 Resp: 546140
Ion Ratio Lower Upper
43 100
61 21.2 17.2 25.8
87 13.5 10.8 16.2



#44
Trichloroethene
Concen: 51.912 ug/l
RT: 6.16 min Scan# 1578
Delta R.T. 0.00 min
Lab File: VU034081.D
Acq: 29 Aug 2019 22:38

Tgt Ion: 130 Resp: 262594
Ion Ratio Lower Upper
130 100
95 94.2 0.0 199.6





#45

1,2-Dichloropropane

Concen: 50.776 ug/l

RT: 6.41 min Scan# 1655

Delta R.T. 0.00 min

Lab File: VU034081.D

Acq: 29 Aug 2019 22:38

Instrument :

MSVOA_U

ClientSampleId :

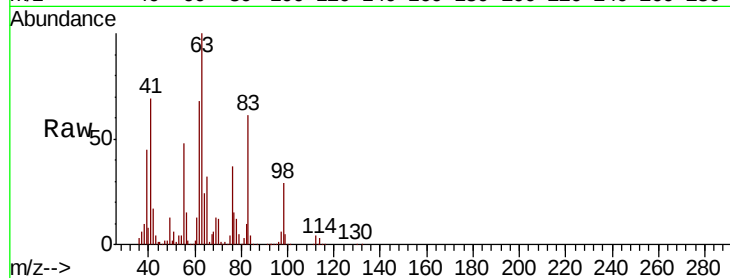
VSTDCCC050EC

Tgt Ion: 63 Resp: 269246

Ion Ratio Lower Upper

63 100

65 31.7 25.4 38.2



Abundance Ion 62.90 (62.60 to 63.60): VU0

Ion 64.90 (64.60 to 65.60): VU0

6.41

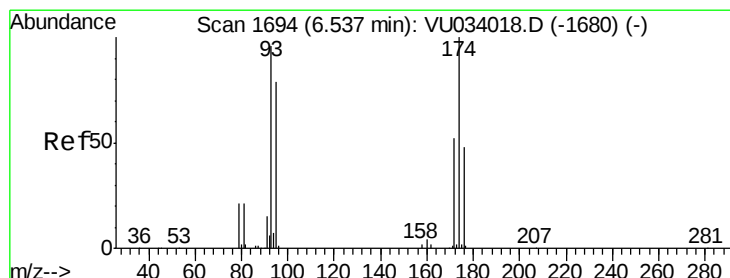
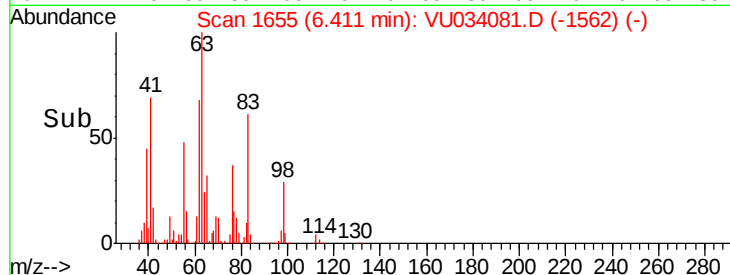
150000

100000

50000

0

Time-->



#46

Dibromomethane

Concen: 50.111 ug/l

RT: 6.54 min Scan# 1695

Delta R.T. 0.00 min

Lab File: VU034081.D

Acq: 29 Aug 2019 22:38

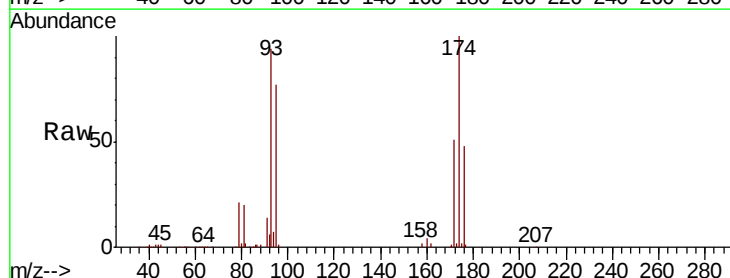
Tgt Ion: 93 Resp: 171192

Ion Ratio Lower Upper

93 100

95 82.1 66.7 100.1

174 104.4 84.9 127.3



Abundance Ion 92.80 (92.50 to 93.50): VU0

Ion 94.80 (94.50 to 95.50): VU0

Ion 173.70 (173.40 to 174.40): V

120000

100000

80000

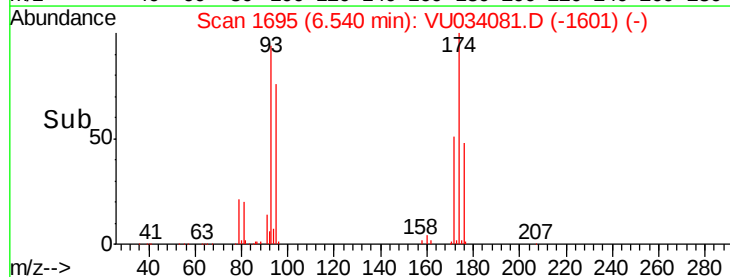
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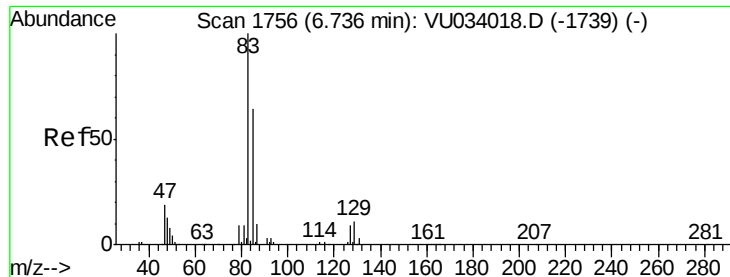
40000

20000

0

Time-->





#47

Bromodichloromethane

Concen: 48.752 ug/l

RT: 6.74 min Scan# 1756

Delta R.T. 0.00 min

Lab File: VU034081.D

Acq: 29 Aug 2019 22:38

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

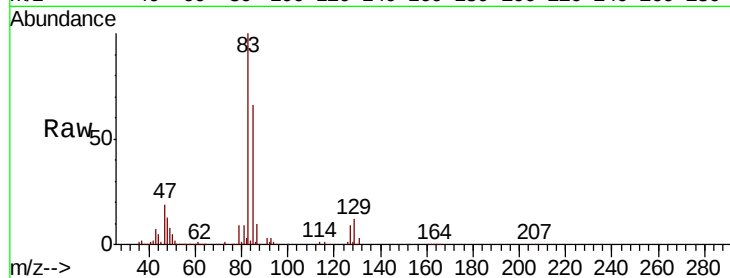
Tgt Ion: 83 Resp: 325852

Ion Ratio Lower Upper

83 100

85 65.6 51.2 76.8

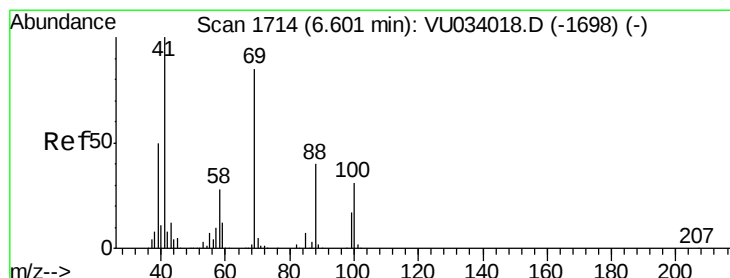
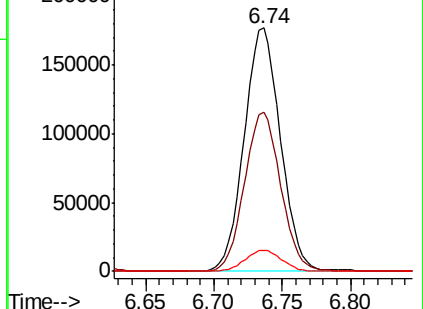
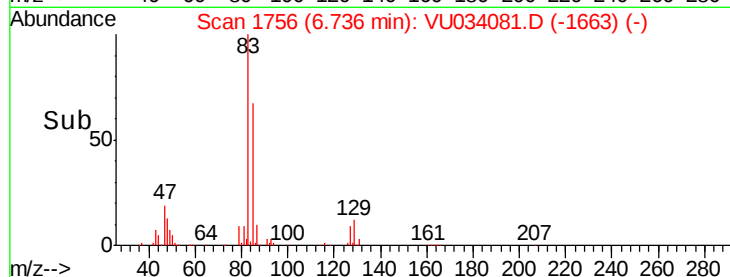
127 8.8 7.0 10.6



Abundance Ion 82.90 (82.60 to 83.60): VU034081.D (-1663) (-)

Ion 84.90 (84.60 to 85.60): VU034081.D (-1663) (-)

Ion 126.80 (126.50 to 127.50): VU034081.D (-1663) (-)



#48

Methyl methacrylate

Concen: 50.979 ug/l

RT: 6.60 min Scan# 1714

Delta R.T. 0.00 min

Lab File: VU034081.D

Acq: 29 Aug 2019 22:38

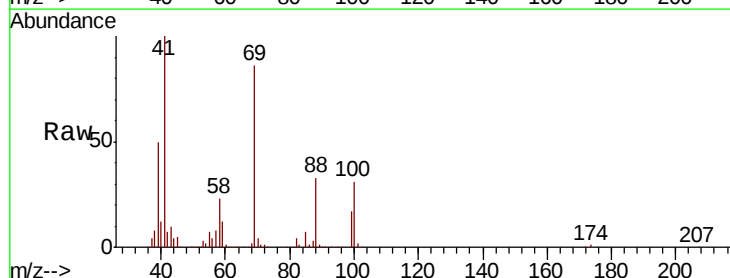
Tgt Ion: 41 Resp: 266829

Ion Ratio Lower Upper

41 100

69 88.8 69.5 104.3

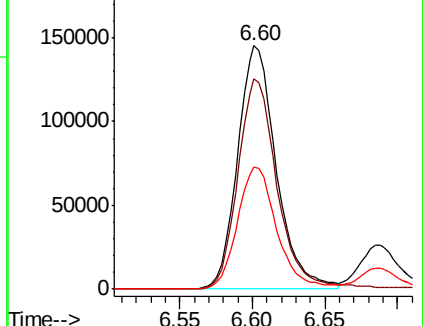
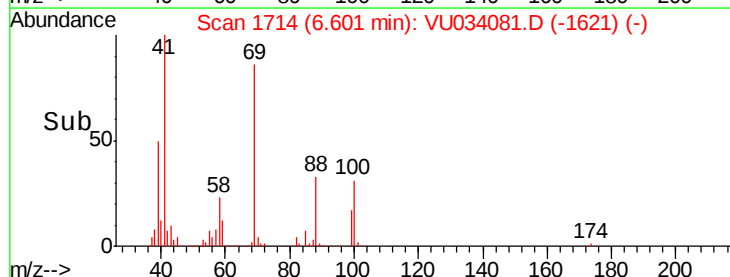
39 50.9 40.3 60.5

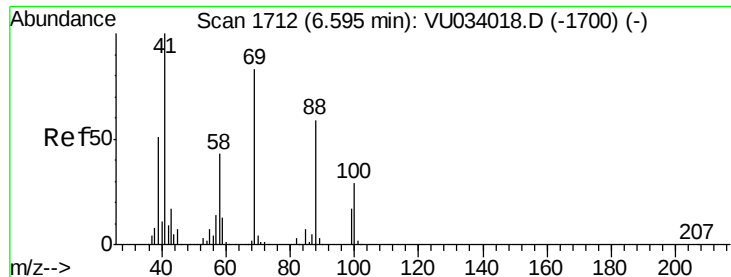


Abundance Ion 41.00 (40.70 to 41.70): VU034081.D (-1621) (-)

Ion 69.00 (68.70 to 69.70): VU034081.D (-1621) (-)

Ion 39.00 (38.70 to 39.70): VU034081.D (-1621) (-)

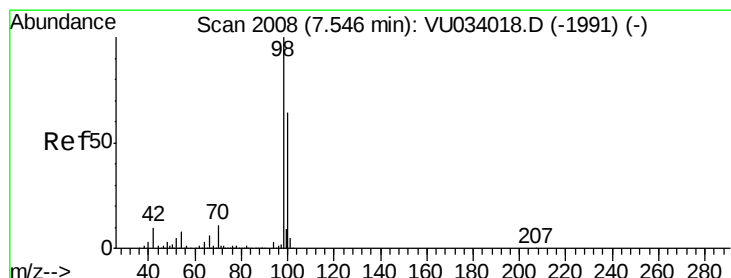
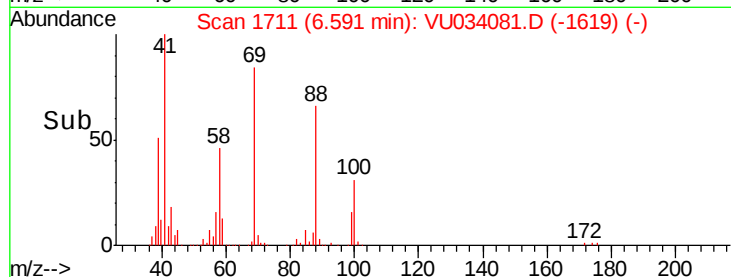
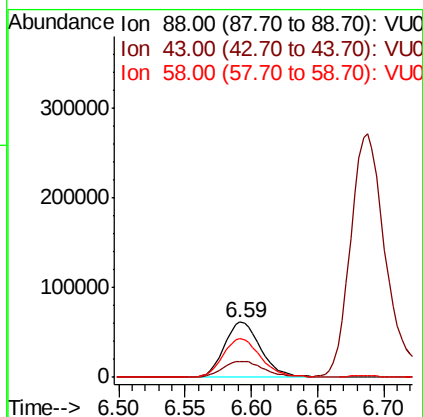
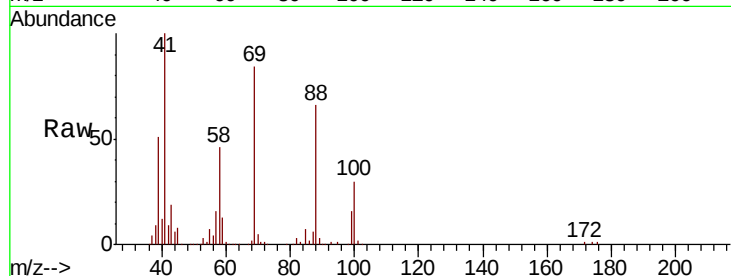




#49
 1,4-Dioxane
 Concen: 883.484 ug/l
 RT: 6.59 min Scan# 1711
 Delta R.T. -0.00 min
 Lab File: VU034081.D
 Acq: 29 Aug 2019 22:38

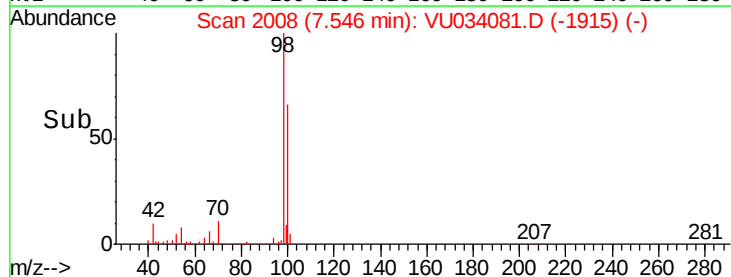
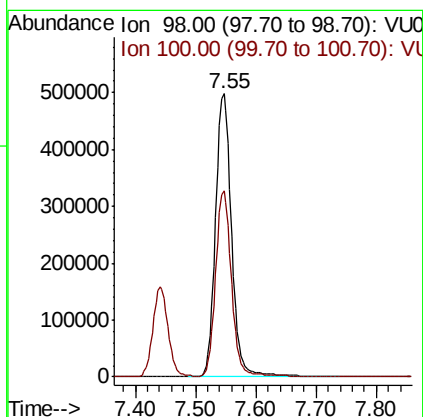
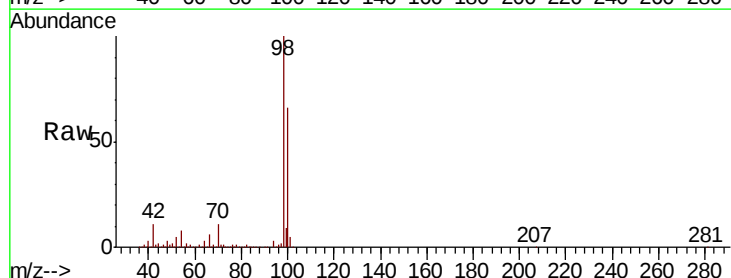
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

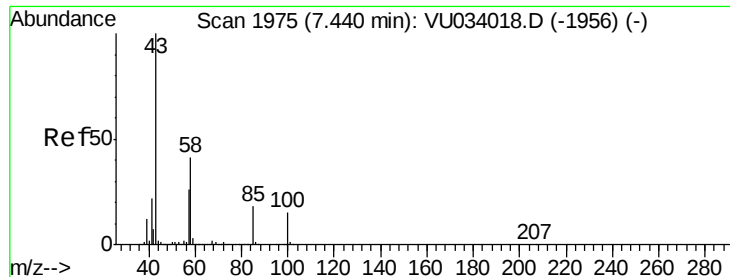
Tgt Ion: 88 Resp: 115863
 Ion Ratio Lower Upper
 88 100
 43 30.8 24.8 37.2
 58 73.8 59.3 88.9



#50
 Toluene-d8
 Concen: 51.681 ug/l
 RT: 7.55 min Scan# 2008
 Delta R.T. 0.00 min
 Lab File: VU034081.D
 Acq: 29 Aug 2019 22:38

Tgt Ion: 98 Resp: 903440
 Ion Ratio Lower Upper
 98 100
 100 64.9 50.3 75.5

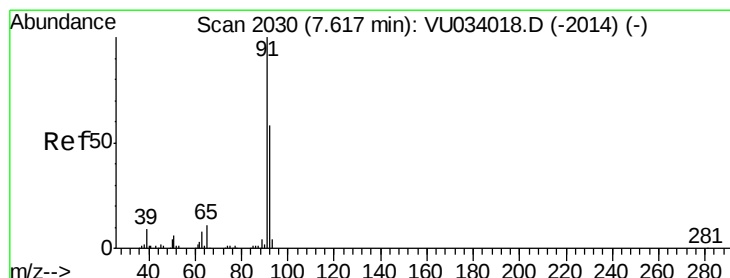
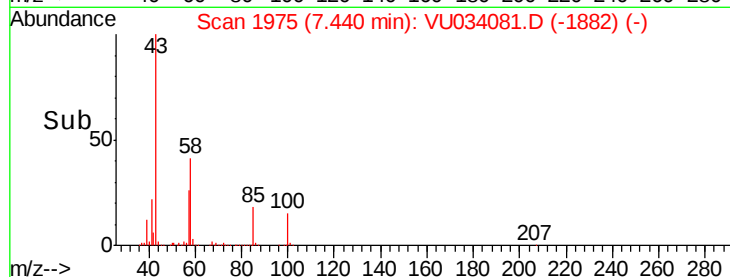
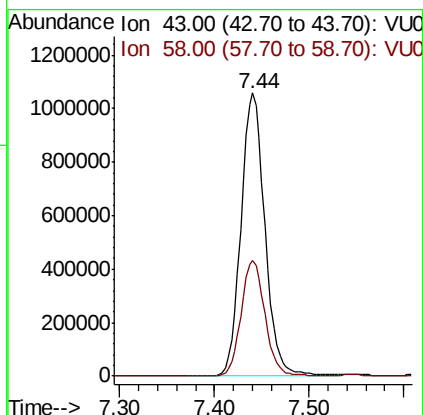
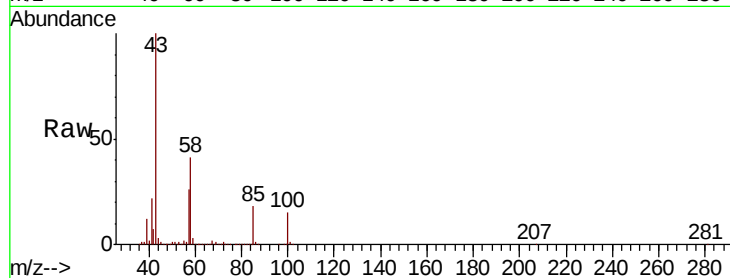




#51
 4-Methyl-2-Pentanone
 Concen: 247.744 ug/l
 RT: 7.44 min Scan# 1975
 Delta R.T. 0.00 min
 Lab File: VU034081.D
 Acq: 29 Aug 2019 22:38

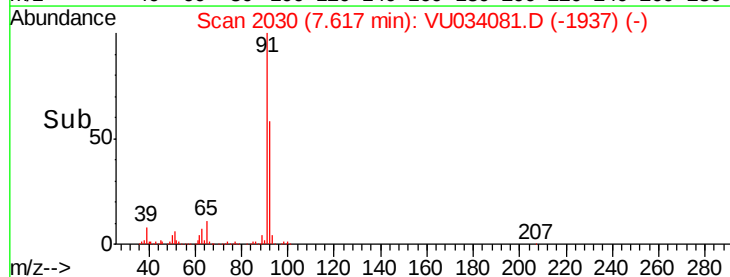
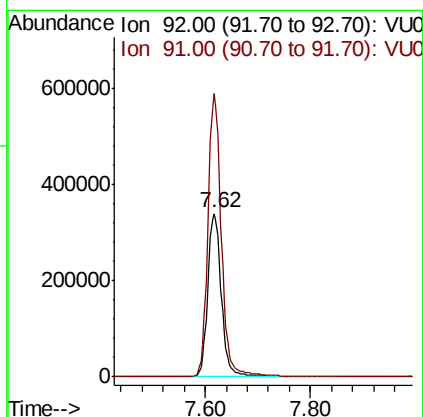
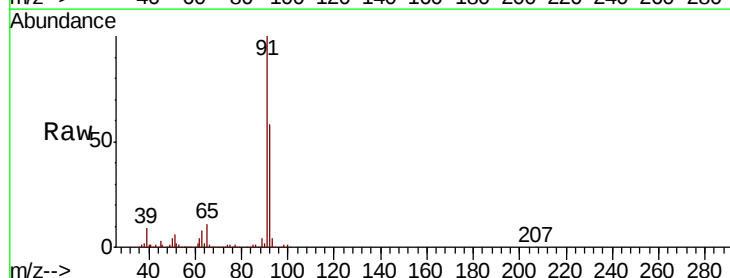
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

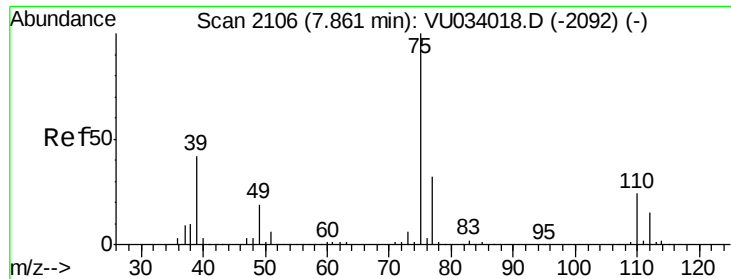
Tgt Ion: 43 Resp: 1855803
 Ion Ratio Lower Upper
 43 100
 58 40.8 32.2 48.4



#52
 Toluene
 Concen: 52.007 ug/l
 RT: 7.62 min Scan# 2030
 Delta R.T. 0.00 min
 Lab File: VU034081.D
 Acq: 29 Aug 2019 22:38

Tgt Ion: 92 Resp: 617138
 Ion Ratio Lower Upper
 92 100
 91 171.3 138.3 207.5

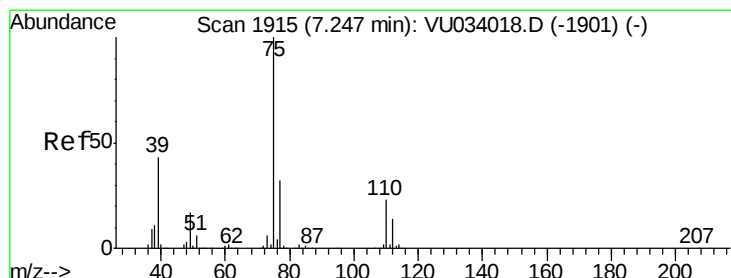
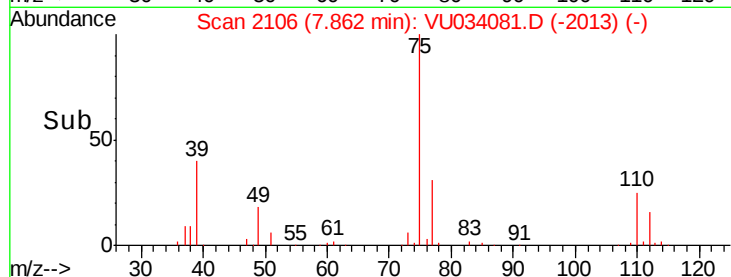
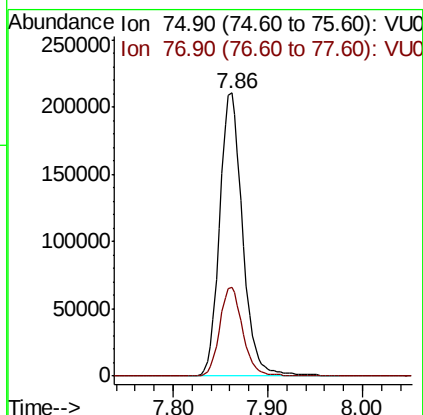
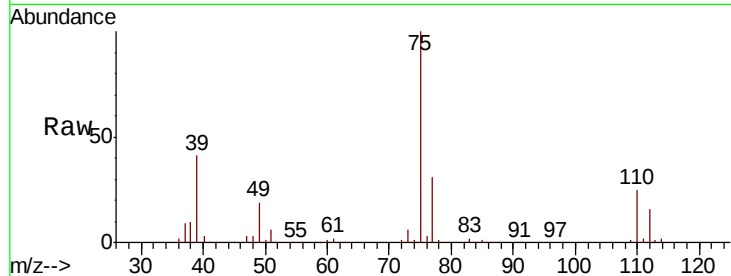




#53
 t-1,3-Dichloropropene
 Concen: 47.854 ug/l
 RT: 7.86 min Scan# 2106
 Delta R.T. 0.00 min
 Lab File: VU034081.D
 Acq: 29 Aug 2019 22:38

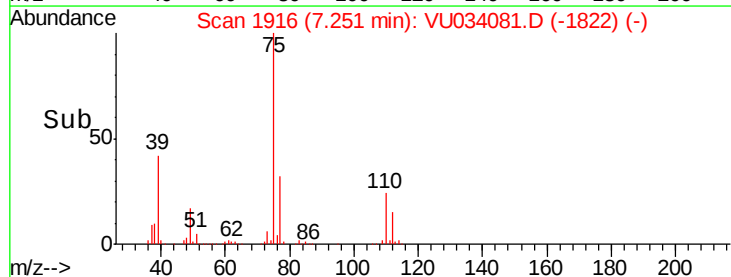
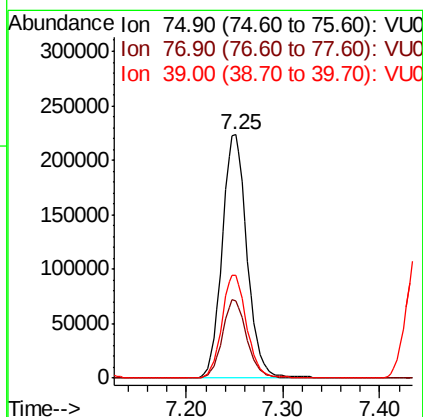
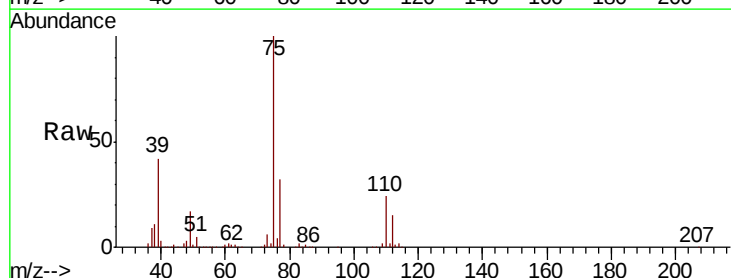
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

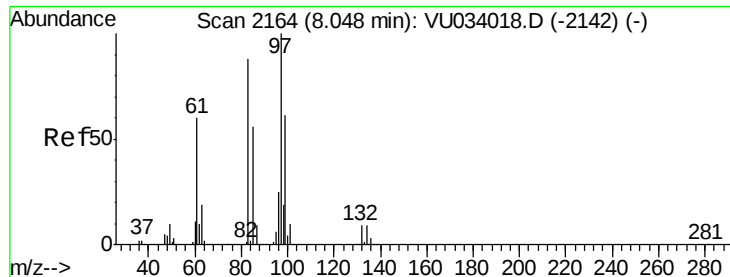
Tgt Ion: 75 Resp: 354906
 Ion Ratio Lower Upper
 75 100
 77 31.3 25.4 38.0



#54
 cis-1,3-Dichloropropene
 Concen: 49.187 ug/l
 RT: 7.25 min Scan# 1916
 Delta R.T. 0.00 min
 Lab File: VU034081.D
 Acq: 29 Aug 2019 22:38

Tgt Ion: 75 Resp: 398538
 Ion Ratio Lower Upper
 75 100
 77 31.8 25.2 37.8
 39 42.0 34.6 51.8

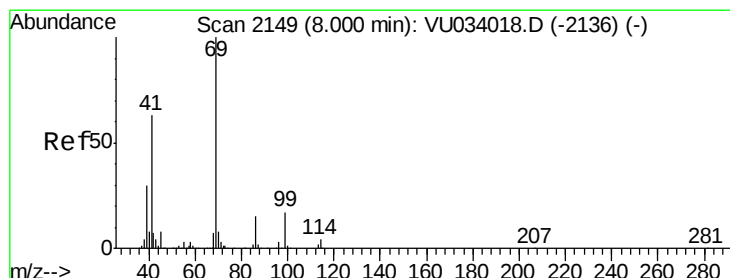
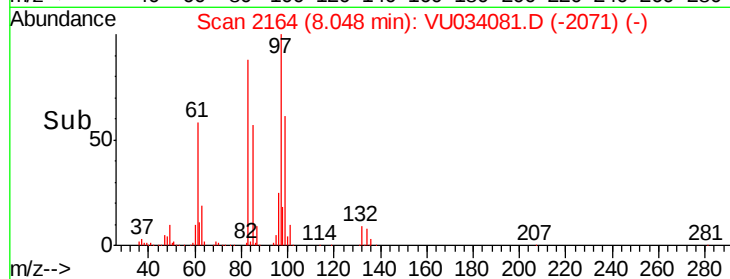
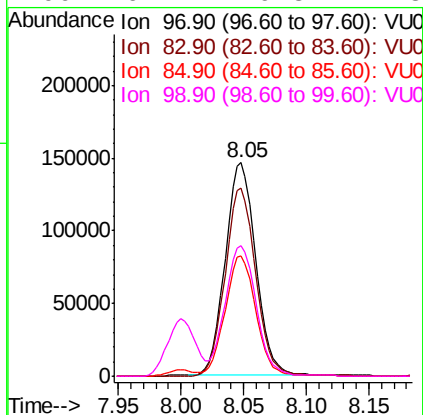
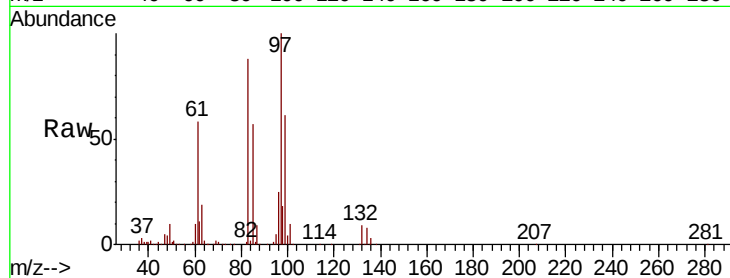




#55
 1,1,2-Trichloroethane
 Concen: 49.273 ug/l
 RT: 8.05 min Scan# 2164
 Delta R.T. 0.00 min
 Lab File: VU034081.D
 Acq: 29 Aug 2019 22:38

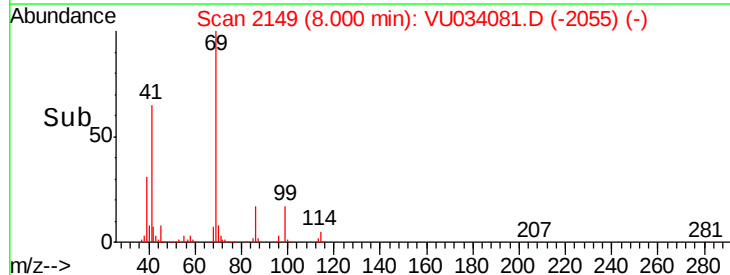
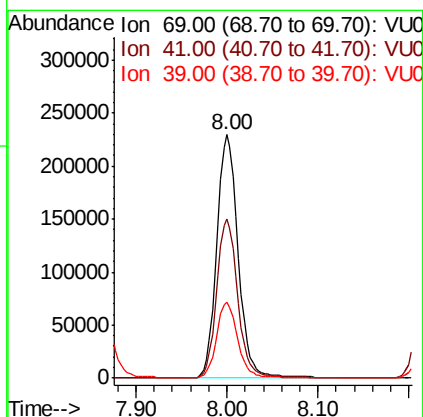
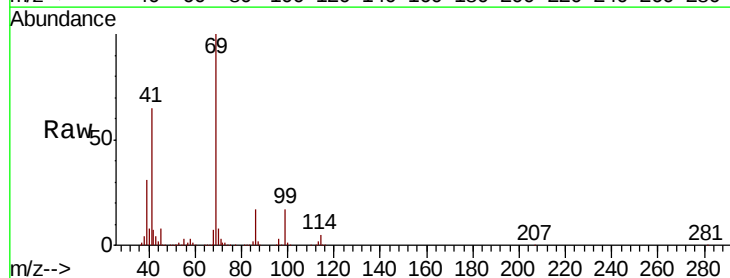
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 ClientSampleId :
 VSTDCCC050EC

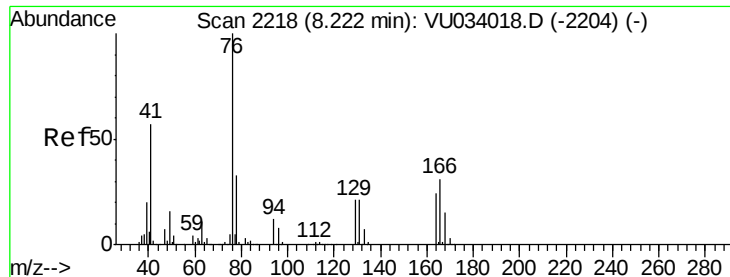
Tgt Ion:	97	Resp:	247318
Ion	Ratio	Lower	Upper
97	100		
83	88.2	70.1	105.1
85	56.6	45.0	67.4
99	61.2	49.8	74.8



#56
 Ethyl methacrylate
 Concen: 45.149 ug/l
 RT: 8.00 min Scan# 2149
 Delta R.T. 0.00 min
 Lab File: VU034081.D
 Acq: 29 Aug 2019 22:38

Tgt Ion:	69	Resp:	375100
Ion	Ratio	Lower	Upper
69	100		
41	64.3	50.7	76.1
39	30.6	24.2	36.2





#57

1,3-Dichloropropane

Concen: 49.993 ug/l

RT: 8.22 min Scan# 2218

Delta R.T. 0.00 min

Lab File: VU034081.D

Acq: 29 Aug 2019 22:38

Instrument :

MSVOA_U

ClientSampleId :

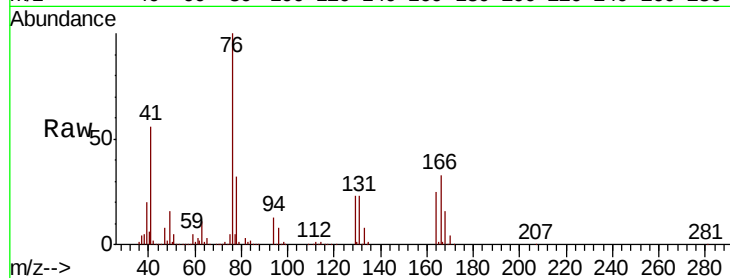
VSTDCCC050EC

Tgt Ion: 76 Resp: 426071

Ion Ratio Lower Upper

76 100

78 32.4 26.2 39.4



Abundance Ion 75.90 (75.60 to 76.60): VU034081.D (-2204) (-)

Ion 77.90 (77.60 to 78.60): VU034081.D (-2204) (-)

8.22

250000

200000

150000

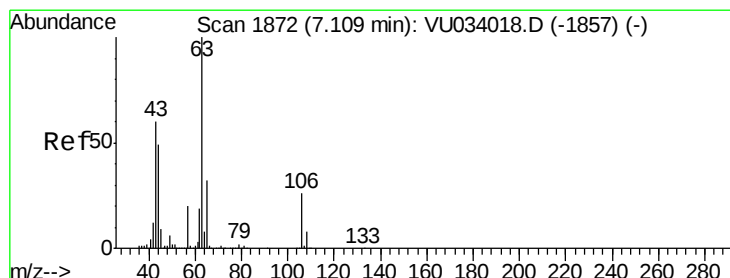
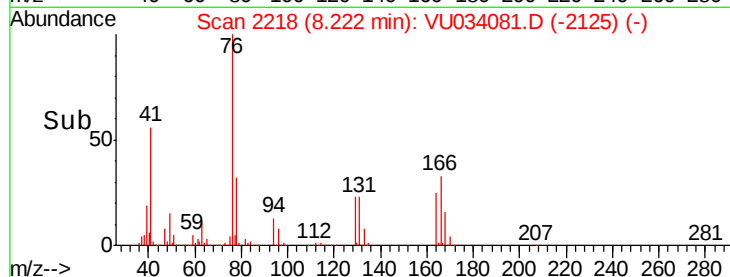
100000

50000

0

8.15 8.20 8.25 8.30 8.35

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 242.827 ug/l

RT: 7.11 min Scan# 1872

Delta R.T. 0.00 min

Lab File: VU034081.D

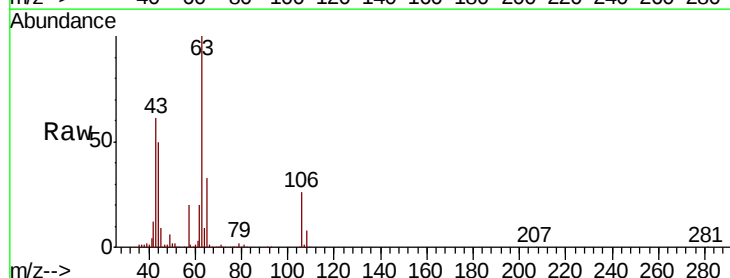
Acq: 29 Aug 2019 22:38

Tgt Ion: 63 Resp: 674296

Ion Ratio Lower Upper

63 100

106 26.2 20.7 31.1



Abundance Ion 62.90 (62.60 to 63.60): VU034081.D (-1857) (-)

Ion 105.90 (105.60 to 106.60): VU034081.D (-1857) (-)

7.11

400000

300000

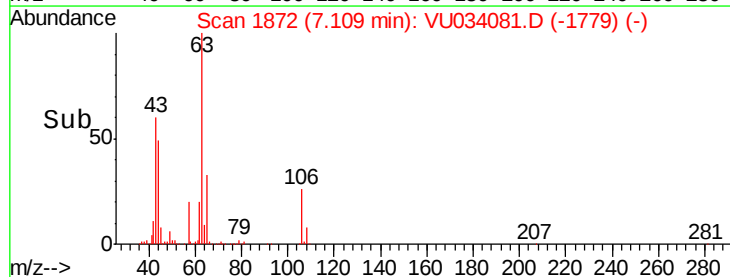
200000

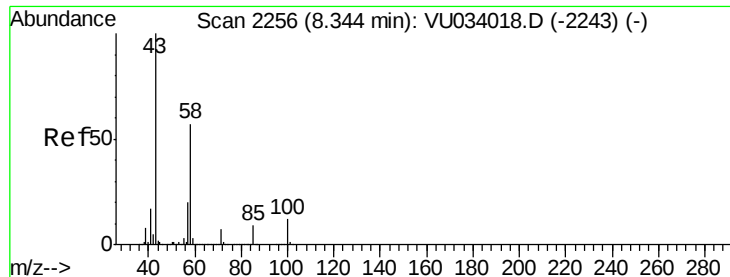
100000

0

7.00 7.10 7.20

Time-->

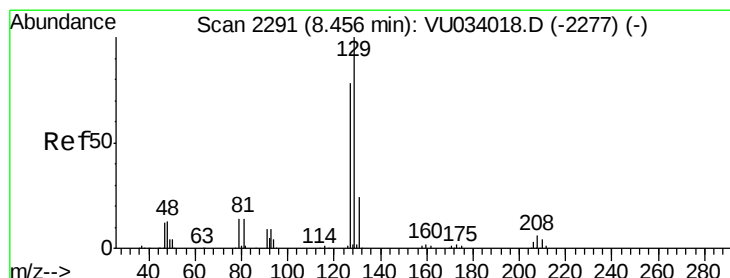
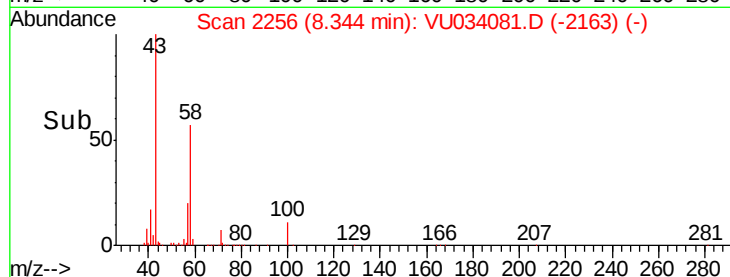
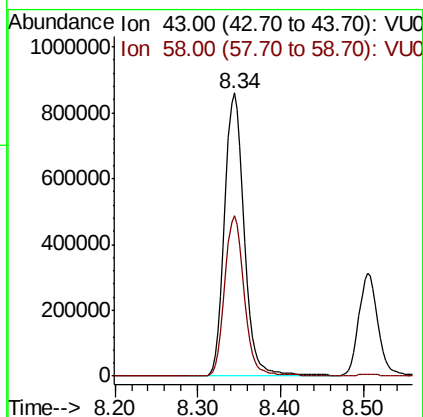
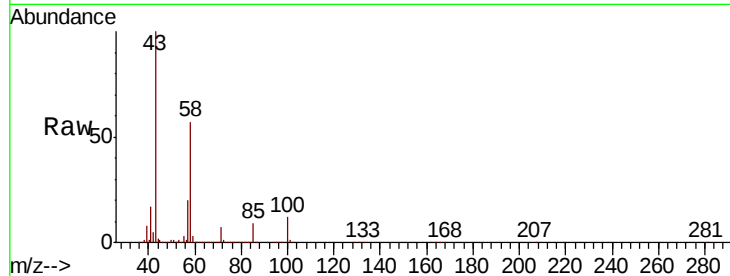




#59
2-Hexanone
Concen: 249.121 ug/l
RT: 8.34 min Scan# 2256
Delta R.T. 0.00 min
Lab File: VU034081.D
Acq: 29 Aug 2019 22:38

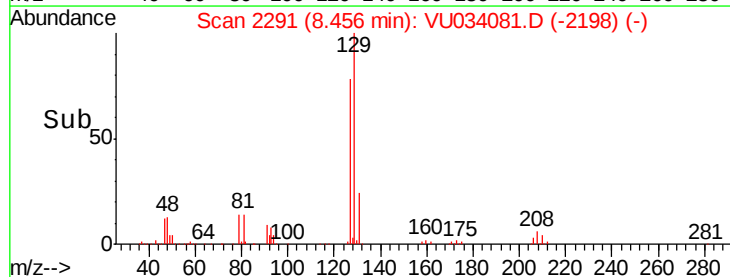
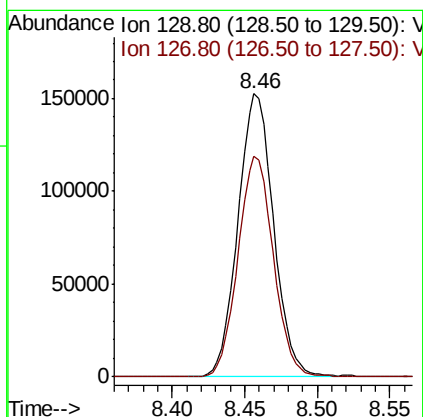
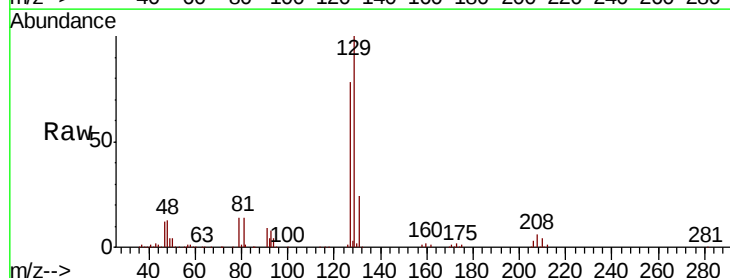
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

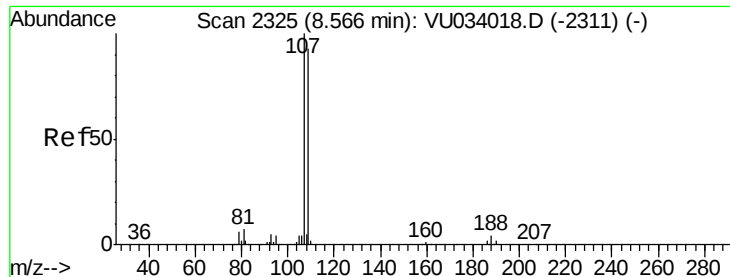
Tgt Ion: 43 Resp: 1408749
Ion Ratio Lower Upper
43 100
58 56.5 28.4 85.3



#60
Dibromochloromethane
Concen: 48.413 ug/l
RT: 8.46 min Scan# 2291
Delta R.T. 0.00 min
Lab File: VU034081.D
Acq: 29 Aug 2019 22:38

Tgt Ion: 129 Resp: 260848
Ion Ratio Lower Upper
129 100
127 77.8 39.0 116.9





#61

1,2-Dibromoethane

Concen: 48.653 ug/l

RT: 8.57 min Scan# 2325

Delta R.T. 0.00 min

Lab File: VU034081.D

Acq: 29 Aug 2019 22:38

Instrument :

MSVOA_U

ClientSampleId :

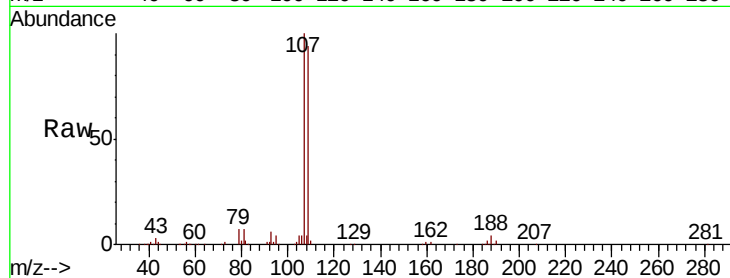
VSTDCCC050EC

Tgt Ion: 107 Resp: 257250

Ion Ratio Lower Upper

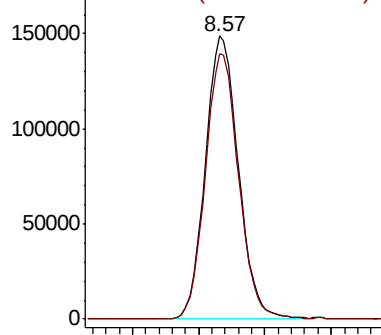
107 100

109 94.4 75.2 112.8

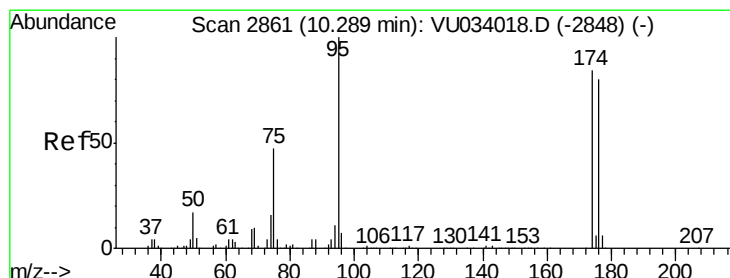
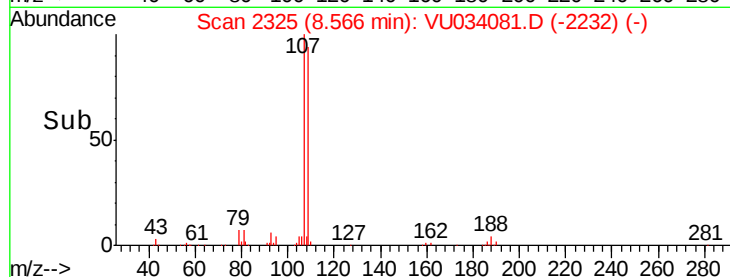


Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



Time-->



#62

4-Bromofluorobenzene

Concen: 49.831 ug/l

RT: 10.29 min Scan# 2861

Delta R.T. 0.00 min

Lab File: VU034081.D

Acq: 29 Aug 2019 22:38

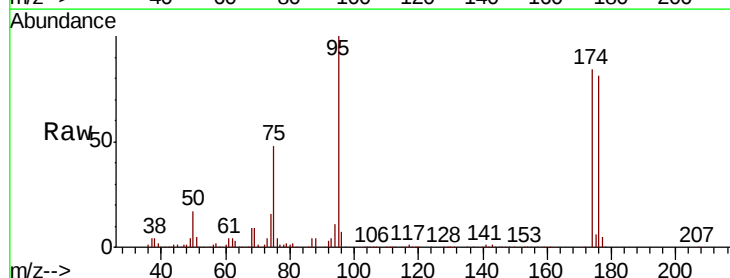
Tgt Ion: 95 Resp: 338850

Ion Ratio Lower Upper

95 100

174 84.2 0.0 168.8

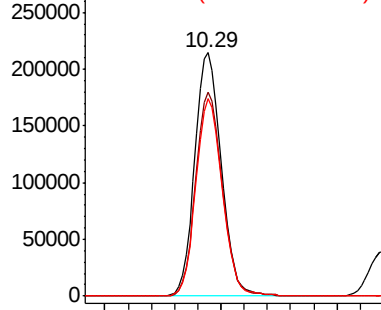
176 80.9 0.0 161.8



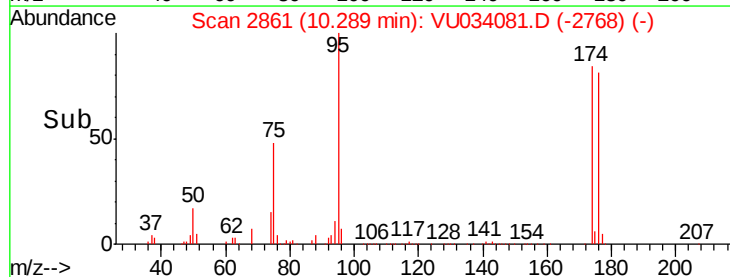
Abundance Ion 94.90 (94.60 to 95.60): VU0

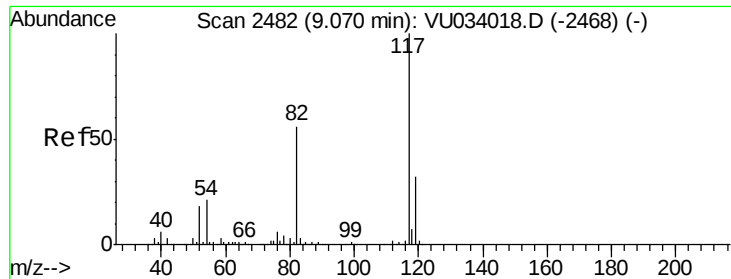
Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V



Time-->

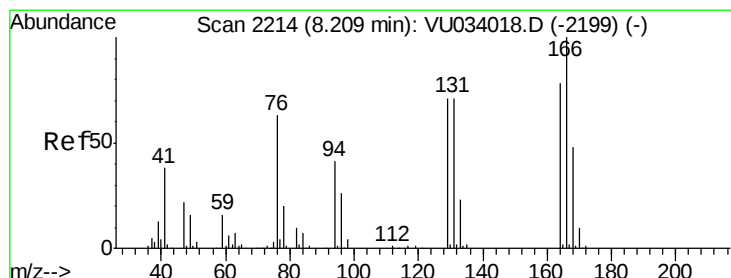
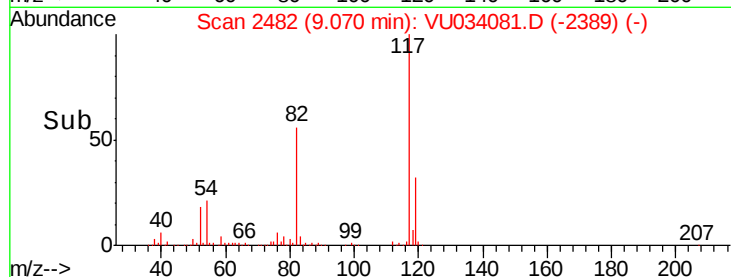
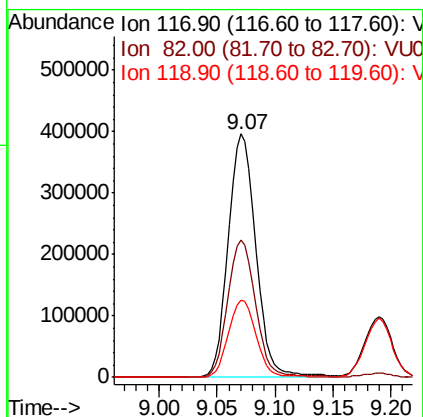
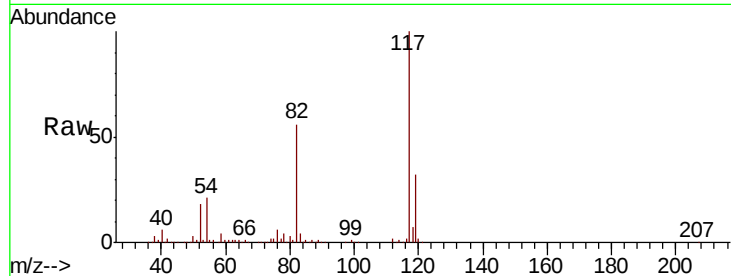




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.07 min Scan# 2482
Delta R.T. 0.00 min
Lab File: VU034081.D
Acq: 29 Aug 2019 22:38

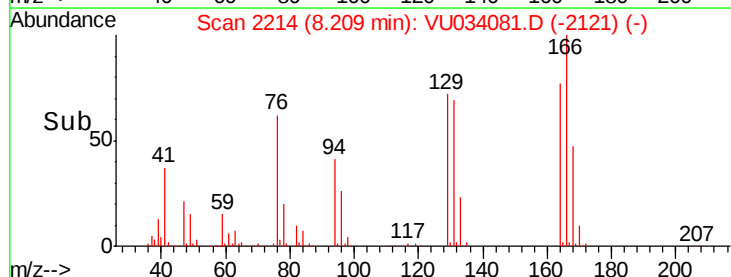
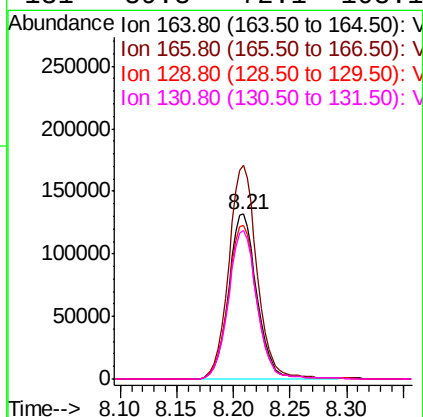
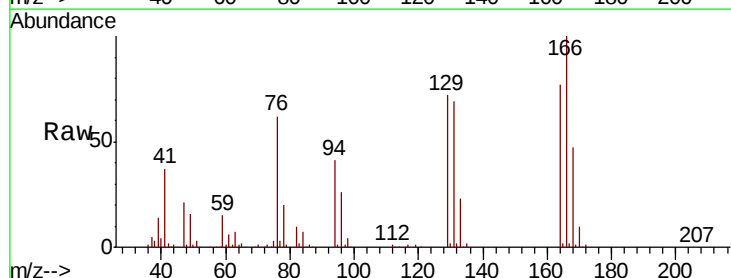
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

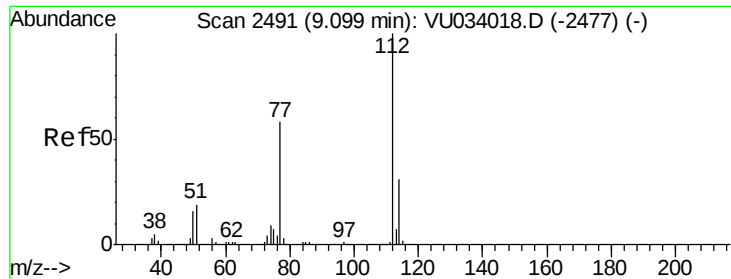
Tgt Ion:117 Resp: 654488
Ion Ratio Lower Upper
117 100
82 56.4 45.1 67.7
119 31.7 25.4 38.0



#64
Tetrachloroethene
Concen: 52.183 ug/l
RT: 8.21 min Scan# 2214
Delta R.T. 0.00 min
Lab File: VU034081.D
Acq: 29 Aug 2019 22:38

Tgt Ion:164 Resp: 229362
Ion Ratio Lower Upper
164 100
166 129.5 102.2 153.2
129 93.3 72.4 108.6
131 89.8 72.1 108.1

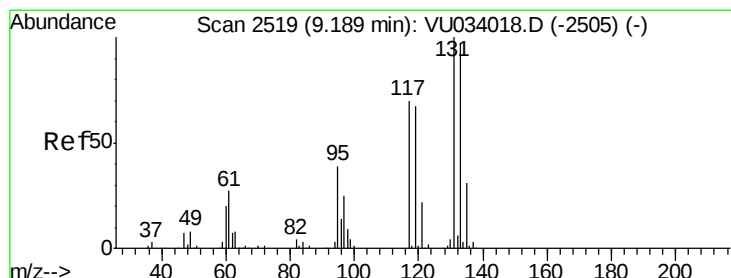
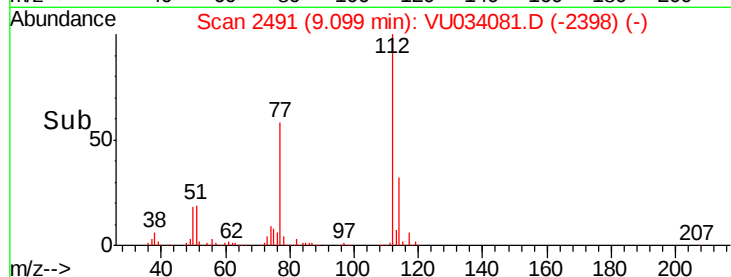
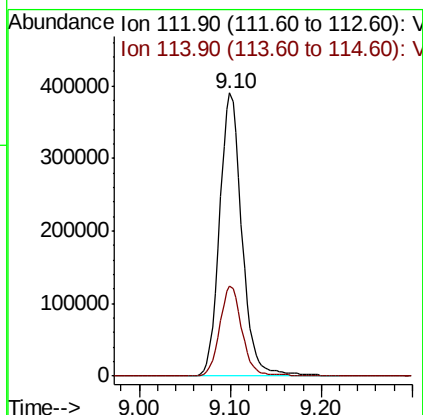
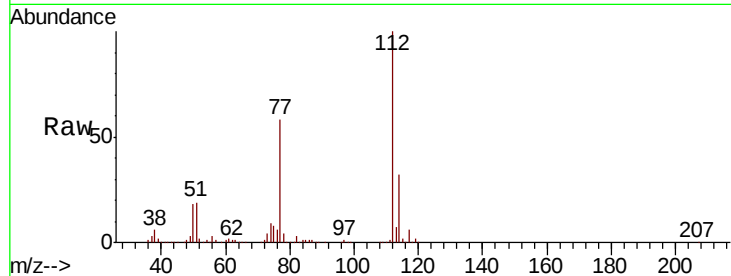




#65
Chlorobenzene
Concen: 49.597 ug/l
RT: 9.10 min Scan# 2491
Delta R.T. 0.00 min
Lab File: VU034081.D
Acq: 29 Aug 2019 22:38

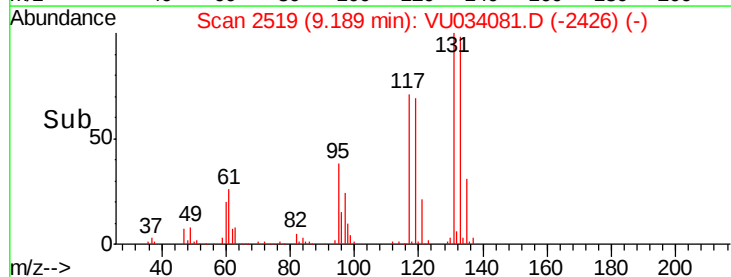
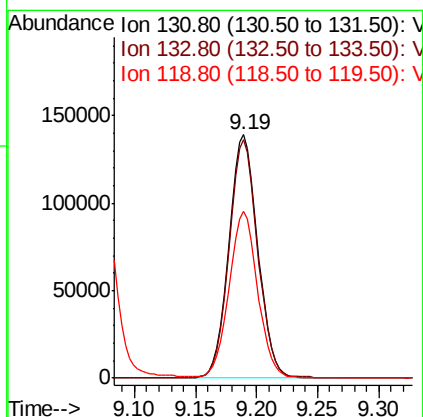
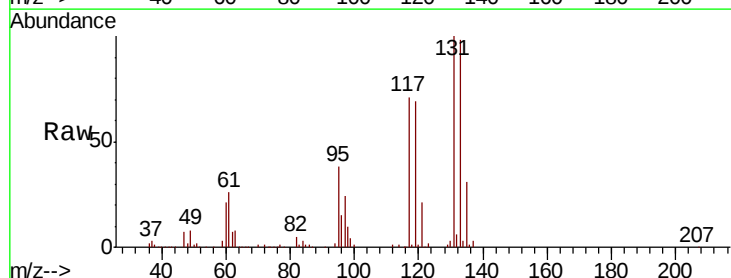
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

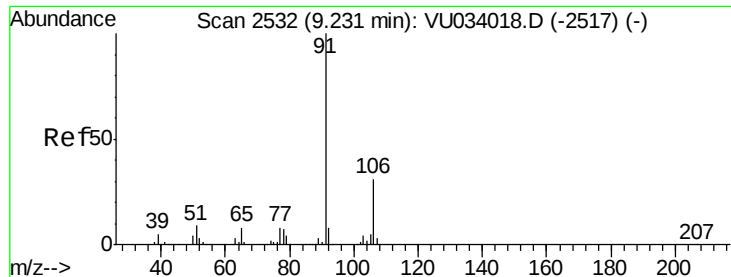
Tgt Ion:112 Resp: 667999
Ion Ratio Lower Upper
112 100
114 31.8 25.0 37.4



#66
1,1,1,2-Tetrachloroethane
Concen: 47.175 ug/l
RT: 9.19 min Scan# 2519
Delta R.T. 0.00 min
Lab File: VU034081.D
Acq: 29 Aug 2019 22:38

Tgt Ion:131 Resp: 230395
Ion Ratio Lower Upper
131 100
133 96.8 48.4 145.2
119 68.3 33.6 100.6





#67

Ethyl Benzene

Concen: 51.097 ug/l

RT: 9.23 min Scan# 2532

Delta R.T. 0.00 min

Lab File: VU034081.D

Acq: 29 Aug 2019 22:38

Instrument :

MSVOA_U

ClientSampleId :

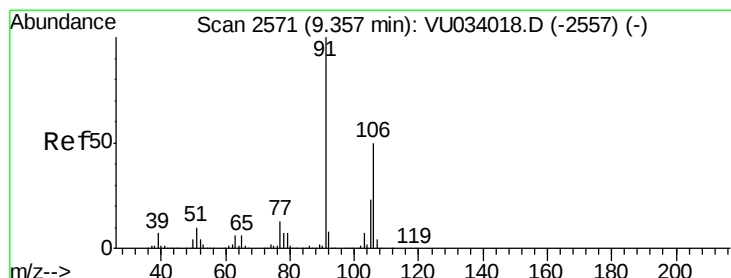
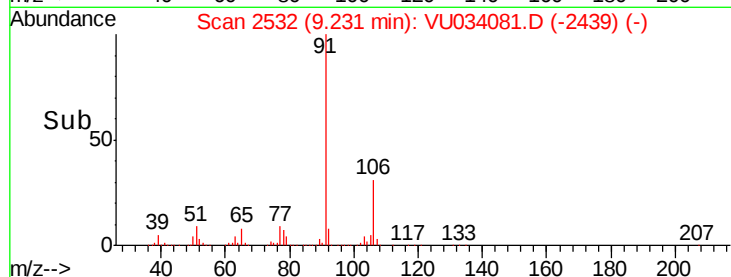
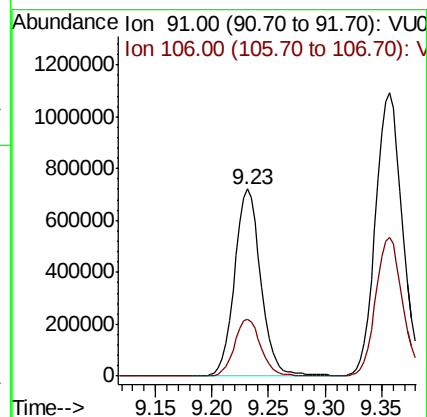
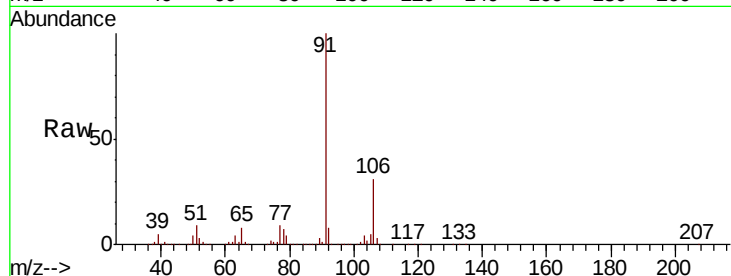
VSTDCCC050EC

Tgt Ion: 91 Resp: 1166605

Ion Ratio Lower Upper

91 100

106 30.7 24.9 37.3



#68

m/p-Xylenes

Concen: 102.810 ug/l

RT: 9.36 min Scan# 2571

Delta R.T. 0.00 min

Lab File: VU034081.D

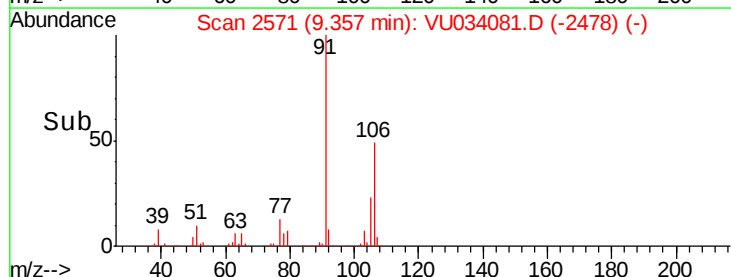
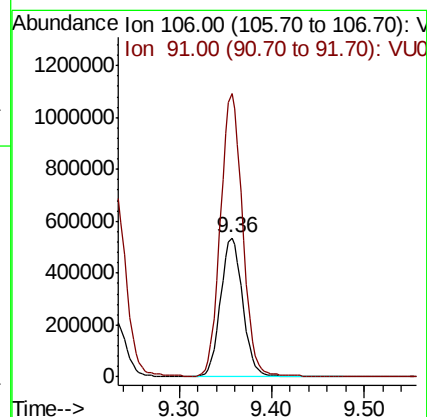
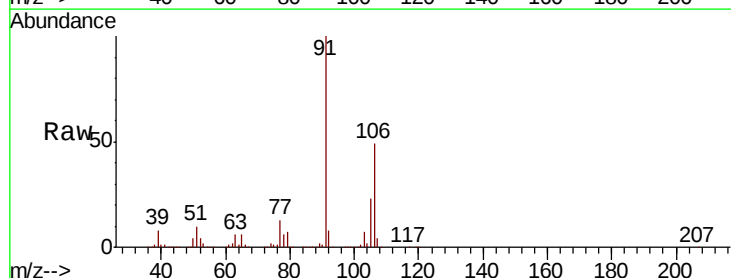
Acq: 29 Aug 2019 22:38

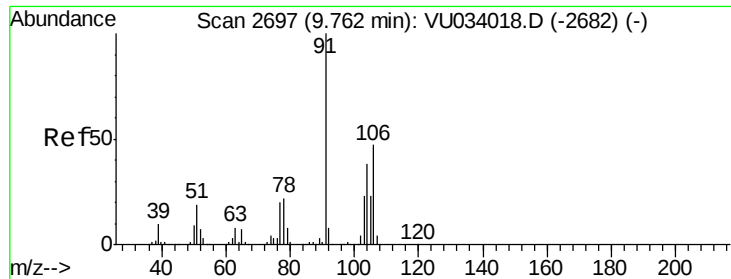
Tgt Ion: 106 Resp: 892530

Ion Ratio Lower Upper

106 100

91 203.7 161.6 242.4

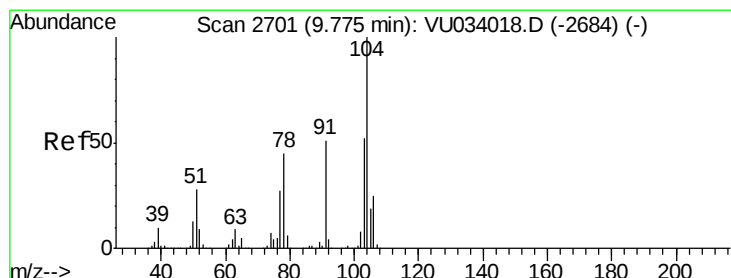
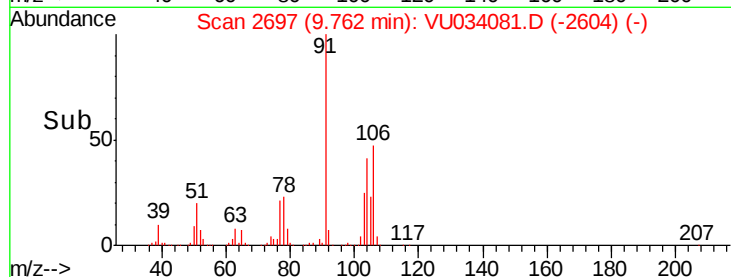
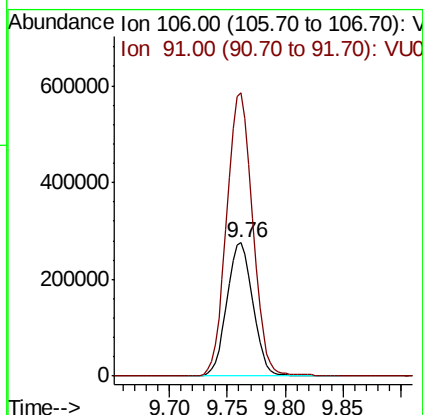
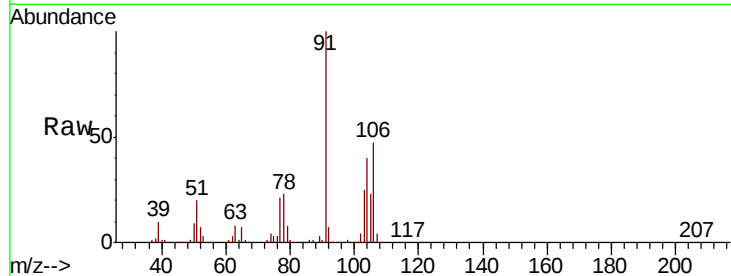




#69
o-Xylene
Concen: 51.227 ug/l
RT: 9.76 min Scan# 2697
Delta R.T. 0.00 min
Lab File: VU034081.D
Acq: 29 Aug 2019 22:38

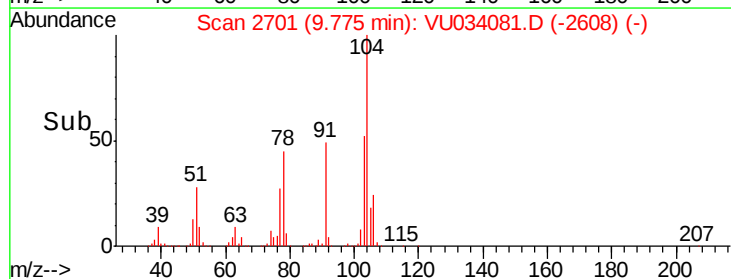
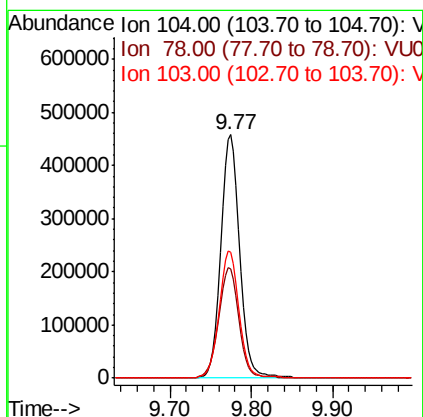
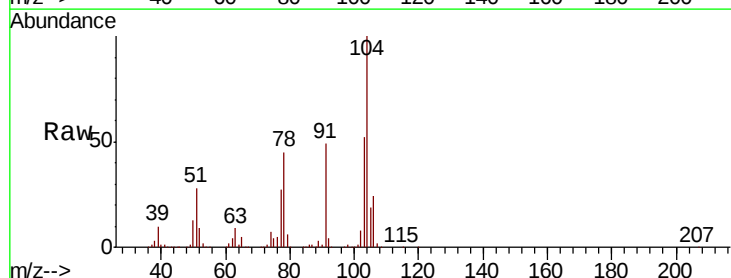
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

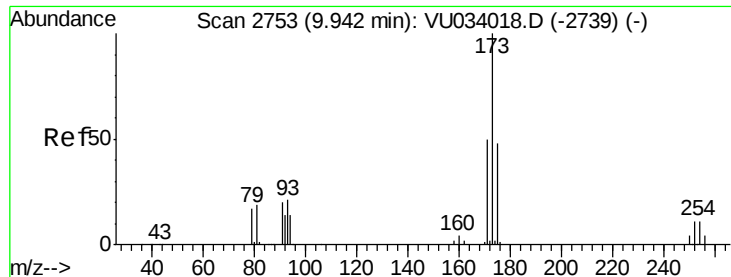
Tgt Ion:106 Resp: 426659
Ion Ratio Lower Upper
106 100
91 213.0 106.0 318.0



#70
Styrene
Concen: 52.824 ug/l
RT: 9.77 min Scan# 2701
Delta R.T. 0.00 min
Lab File: VU034081.D
Acq: 29 Aug 2019 22:38

Tgt Ion:104 Resp: 754364
Ion Ratio Lower Upper
104 100
78 48.9 39.0 58.4
103 55.1 44.0 66.0





#71

Bromoform

Concen: 45.815 ug/l

RT: 9.94 min Scan# 2752

Delta R.T. -0.00 min

Lab File: VU034081.D

Acq: 29 Aug 2019 22:38

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

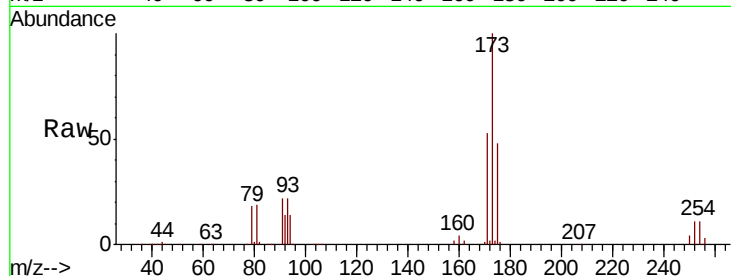
Tgt Ion:173 Resp: 194408

Ion Ratio Lower Upper

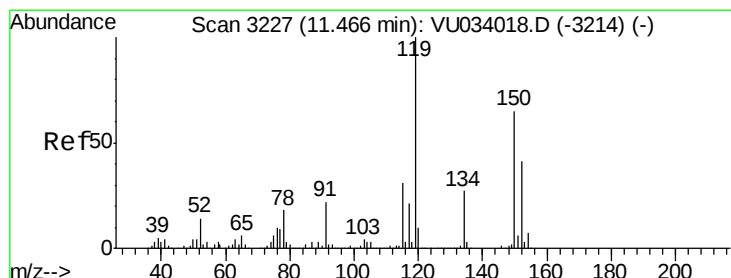
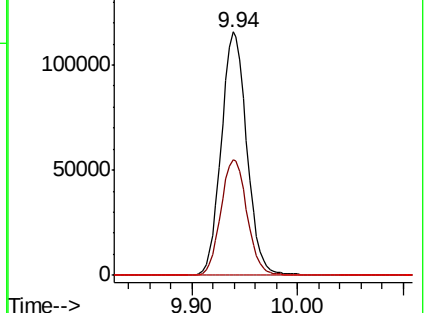
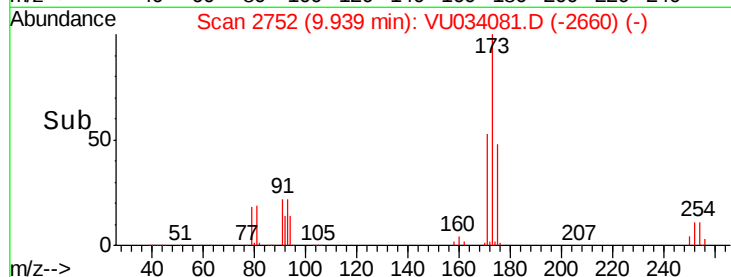
173 100

175 48.6 24.6 73.6

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: 11.46 min Scan# 3226

Delta R.T. -0.00 min

Lab File: VU034081.D

Acq: 29 Aug 2019 22:38

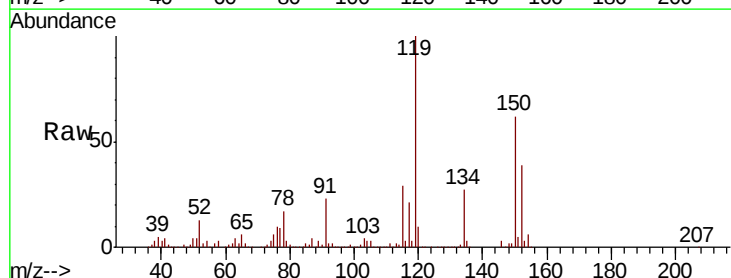
Tgt Ion:152 Resp: 353976

Ion Ratio Lower Upper

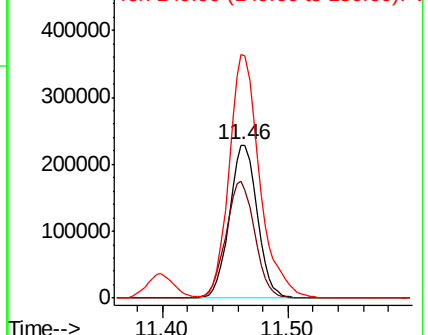
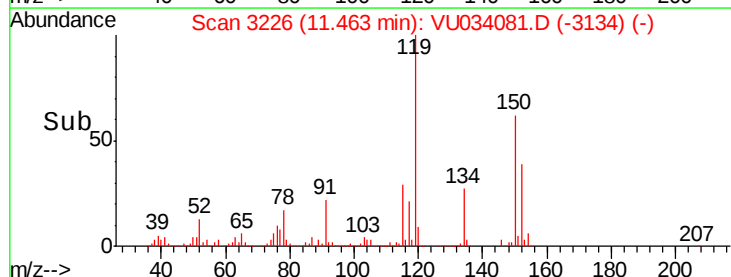
152 100

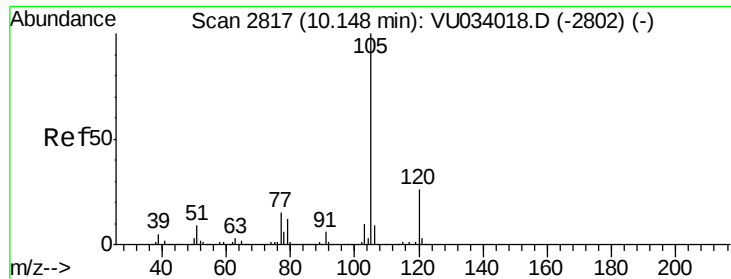
115 78.7 41.1 123.3

150 173.0 0.0 348.8



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: 48.437 ug/l

RT: 10.15 min Scan# 2817

Delta R.T. 0.00 min

Lab File: VU034081.D

Acq: 29 Aug 2019 22:38

Instrument :

MSVOA_U

ClientSampleId :

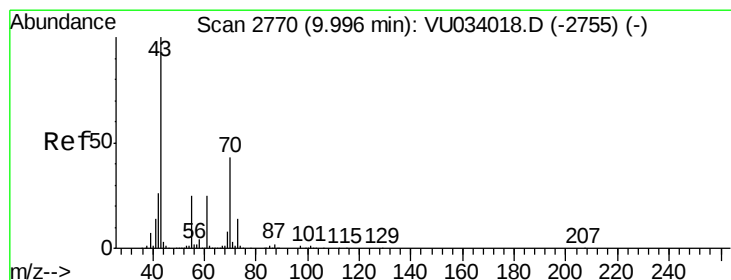
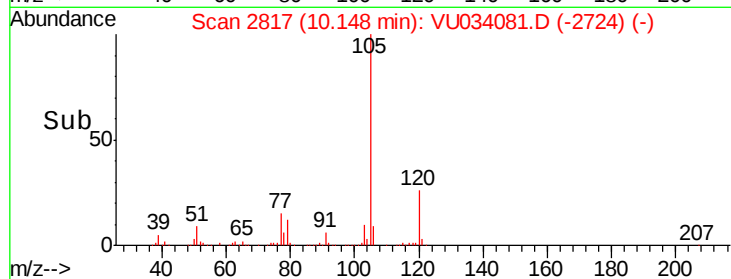
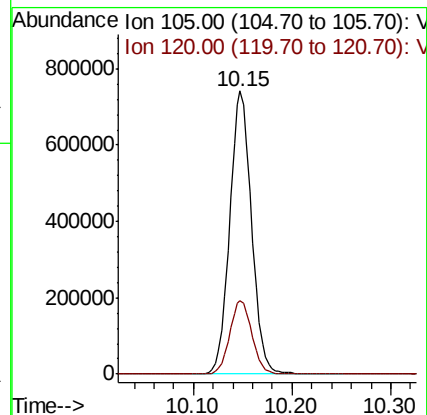
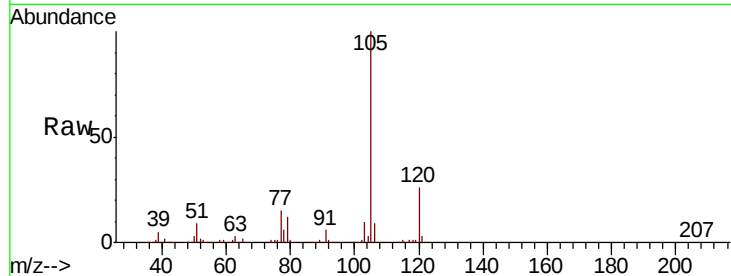
VSTDCCC050EC

Tgt Ion:105 Resp: 1151668

Ion Ratio Lower Upper

105 100

120 26.4 13.3 39.8



#74

N-ethyl acetate

Concen: 49.384 ug/l

RT: 10.00 min Scan# 2770

Delta R.T. 0.00 min

Lab File: VU034081.D

Acq: 29 Aug 2019 22:38

Tgt Ion: 43 Resp: 493842

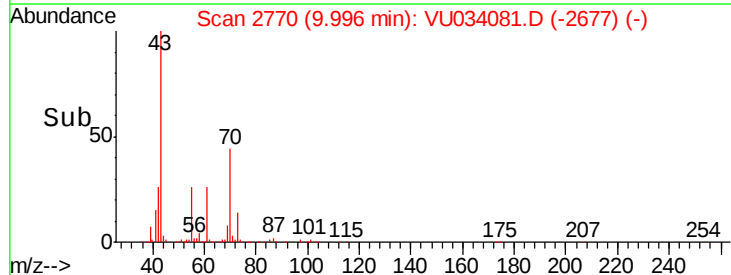
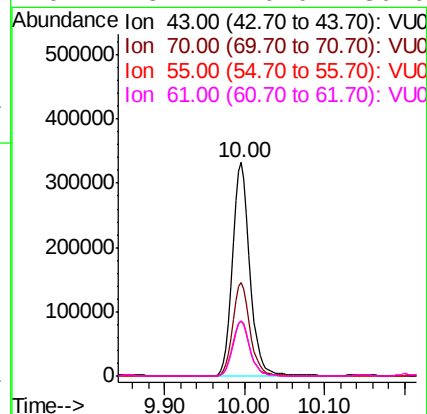
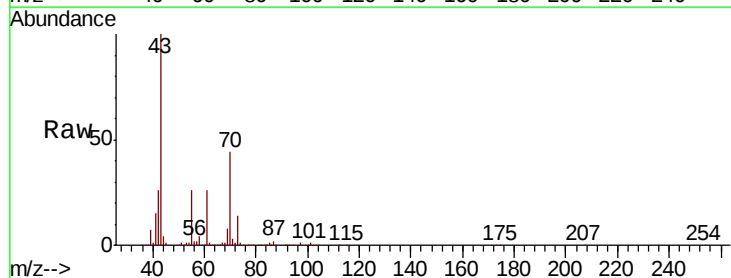
Ion Ratio Lower Upper

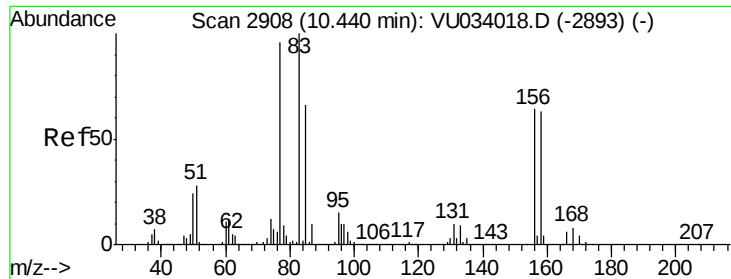
43 100

70 43.9 35.2 52.8

55 26.4 20.5 30.7

61 25.4 20.0 30.0





#75

1,1,2,2-Tetrachloroethane

Concen: 45.659 ug/l

RT: 10.44 min Scan# 2908

Delta R.T. 0.00 min

Lab File: VU034081.D

Acq: 29 Aug 2019 22:38

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

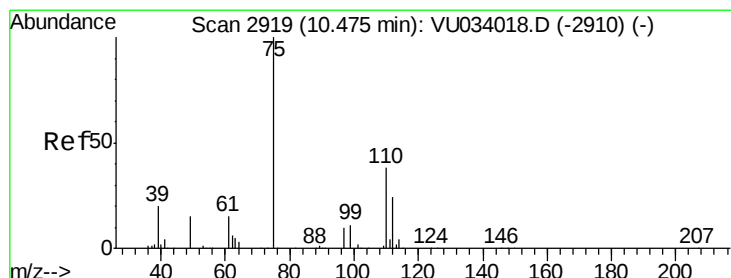
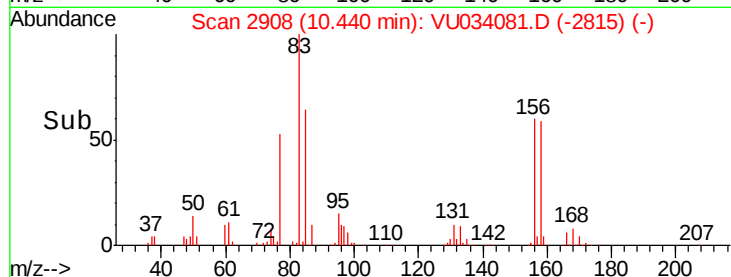
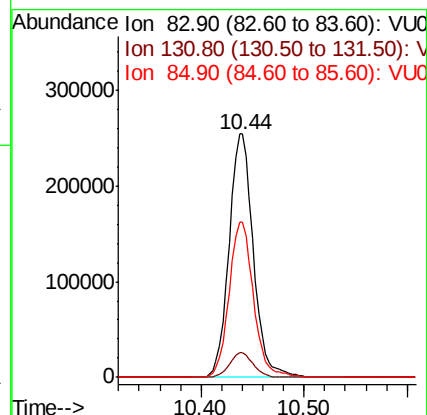
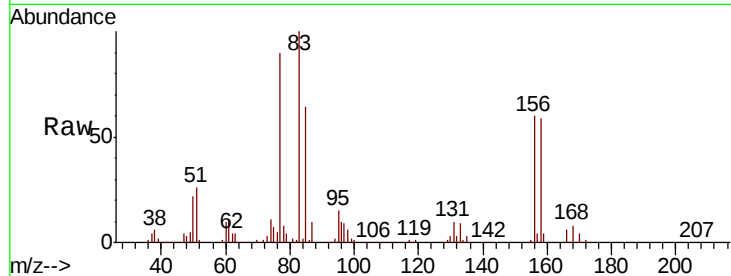
Tgt Ion: 83 Resp: 415513

Ion Ratio Lower Upper

83 100

131 9.9 5.0 14.9

85 64.7 32.2 96.6



#76

1,2,3-Trichloropropane

Concen: 54.846 ug/l

RT: 10.48 min Scan# 2919

Delta R.T. 0.00 min

Lab File: VU034081.D

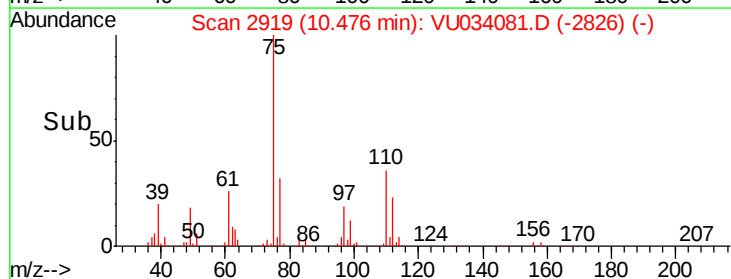
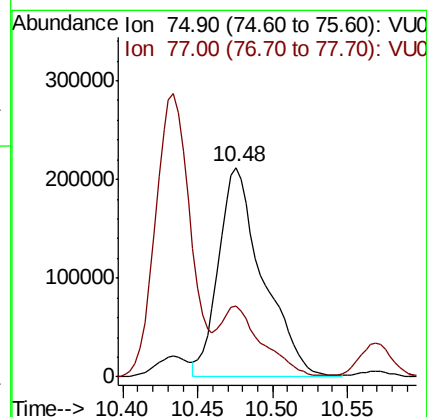
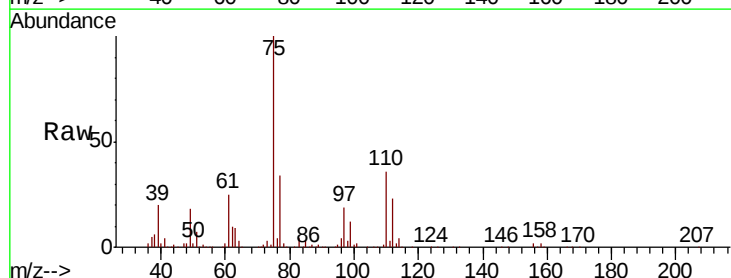
Acq: 29 Aug 2019 22:38

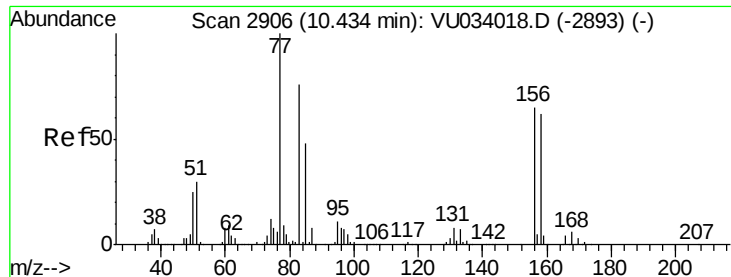
Tgt Ion: 75 Resp: 437562

Ion Ratio Lower Upper

75 100

77 32.1 20.1 60.2





#77

Bromobenzene

Concen: 47.221 ug/l

RT: 10.43 min Scan# 2906

Delta R.T. 0.00 min

Lab File: VU034081.D

Acq: 29 Aug 2019 22:38

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

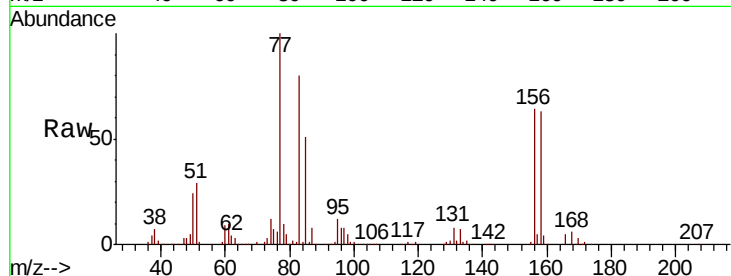
Tgt Ion:156 Resp: 302018

Ion Ratio Lower Upper

156 100

77 154.3 76.8 230.5

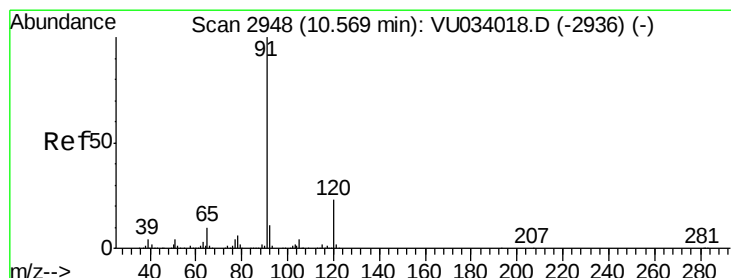
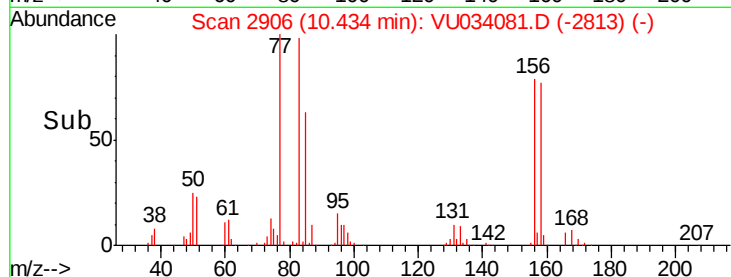
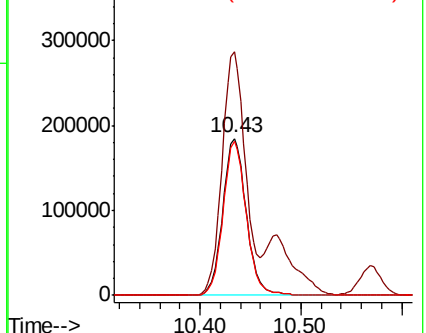
158 97.0 48.4 145.0



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: 48.821 ug/l

RT: 10.57 min Scan# 2948

Delta R.T. 0.00 min

Lab File: VU034081.D

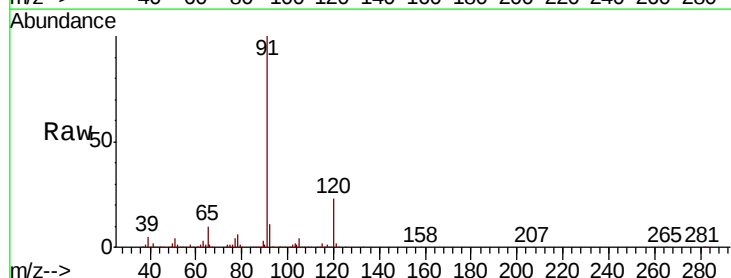
Acq: 29 Aug 2019 22:38

Tgt Ion: 91 Resp: 1351845

Ion Ratio Lower Upper

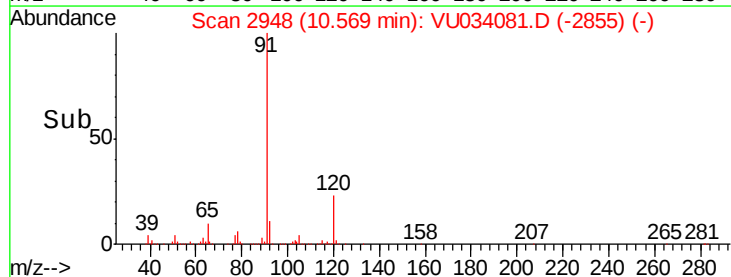
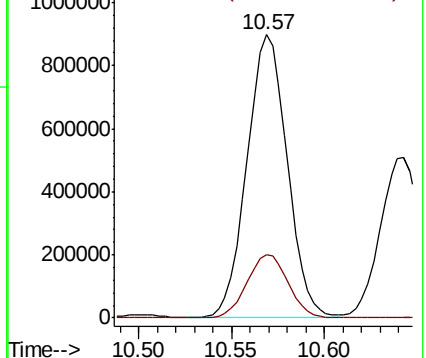
91 100

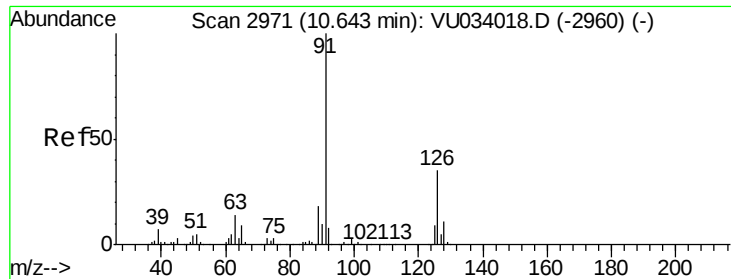
120 23.0 11.7 35.0



Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 48.463 ug/l

RT: 10.64 min Scan# 2971

Delta R.T. 0.00 min

Lab File: VU034081.D

Acq: 29 Aug 2019 22:38

Instrument :

MSVOA_U

ClientSampleId :

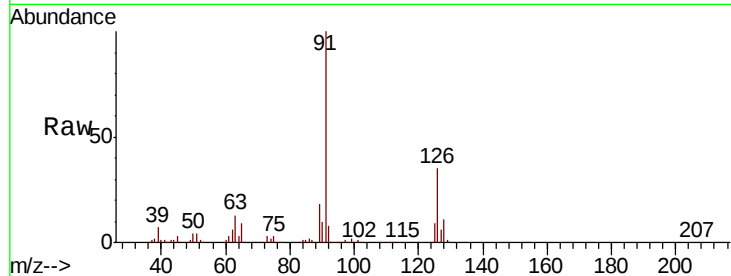
VSTDCCC050EC

Tgt Ion: 91 Resp: 804906

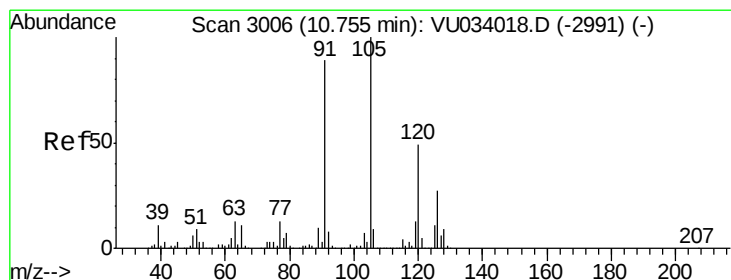
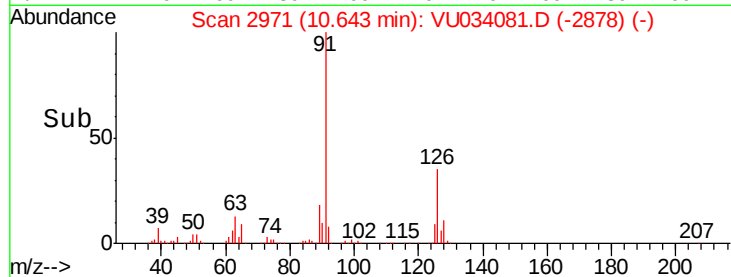
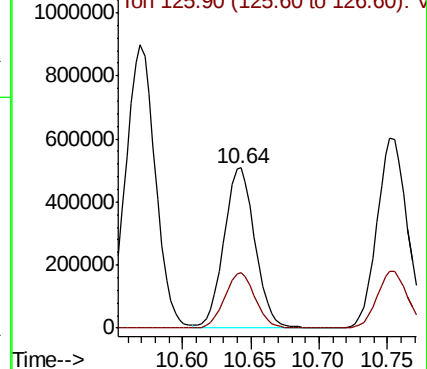
Ion Ratio Lower Upper

91 100

126 34.1 17.1 51.2



Abundance Ion 91.00 (90.70 to 91.70): VU034081.D (-2960) (-)



#80

1,3,5-Trimethylbenzene

Concen: 49.360 ug/l

RT: 10.75 min Scan# 3005

Delta R.T. -0.00 min

Lab File: VU034081.D

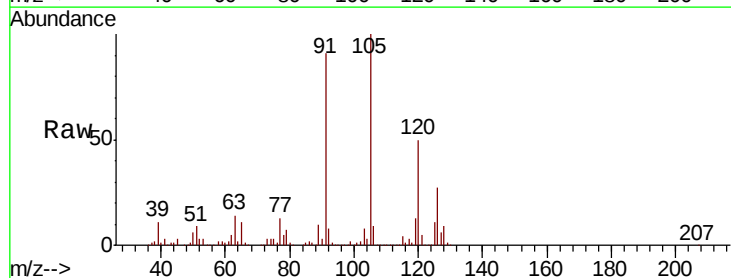
Acq: 29 Aug 2019 22:38

Tgt Ion: 105 Resp: 994706

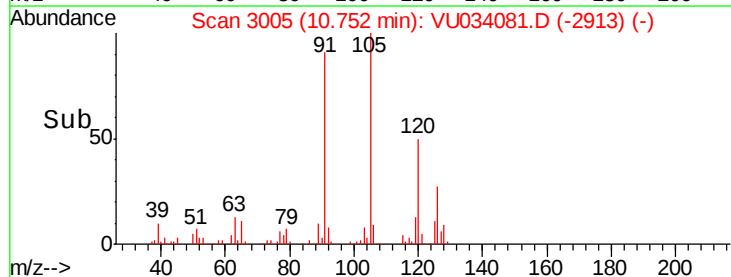
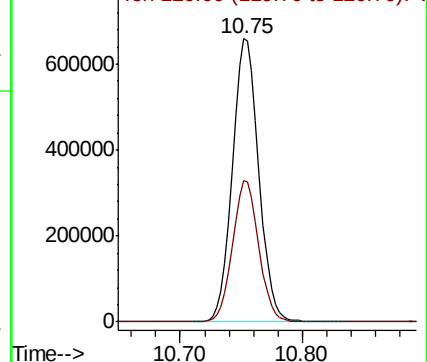
Ion Ratio Lower Upper

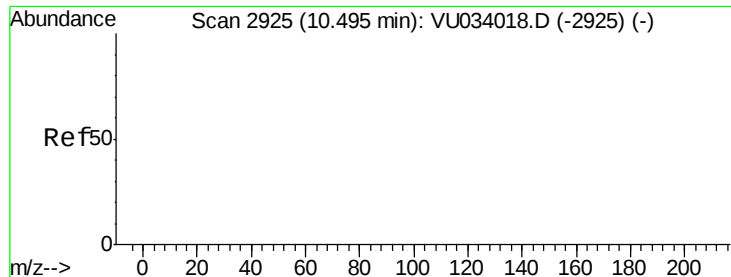
105 100

120 49.7 24.6 73.6



Abundance Ion 105.00 (104.70 to 105.70): VU034081.D (-2991) (-)

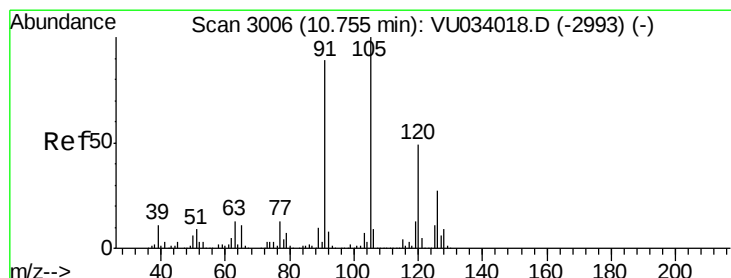
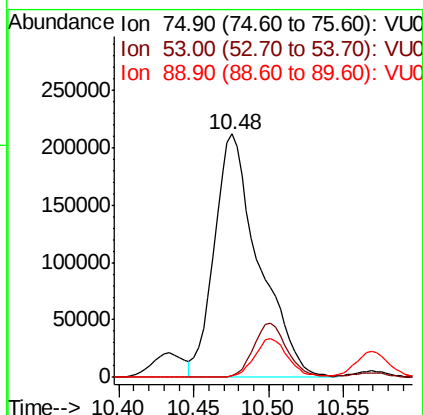
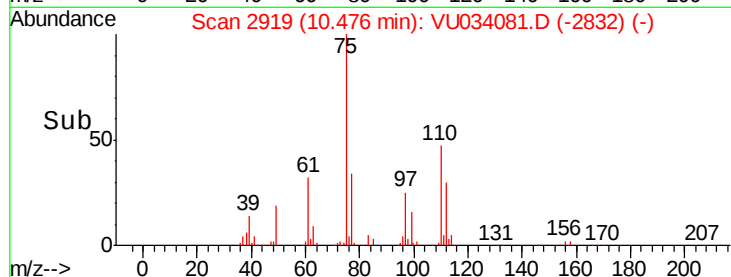
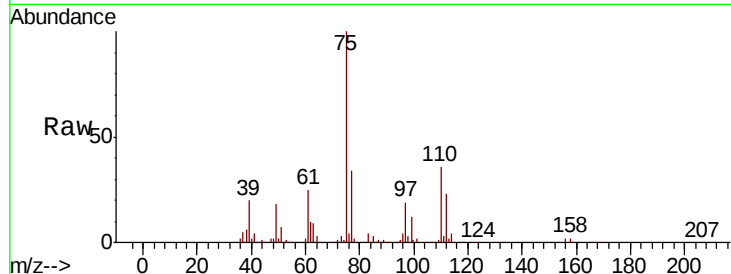




#81
trans-1,4-Dichloro-2-butene
Concen: 184.680 ug/l
RT: 10.48 min Scan# 2919
Delta R.T. -0.02 min
Lab File: VU034081.D
Acq: 29 Aug 2019 22:38

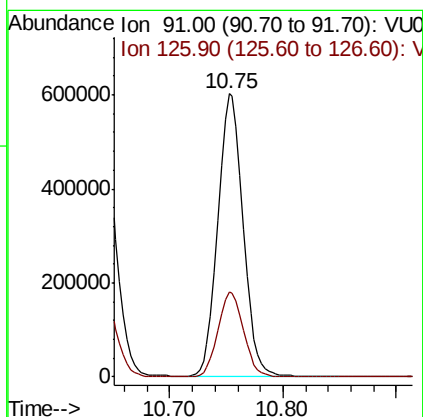
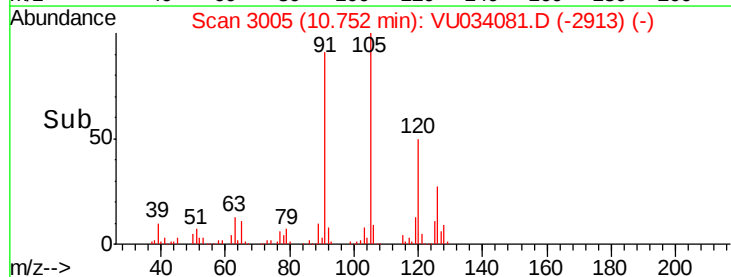
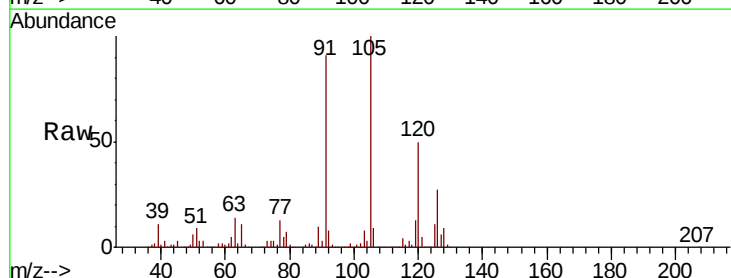
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

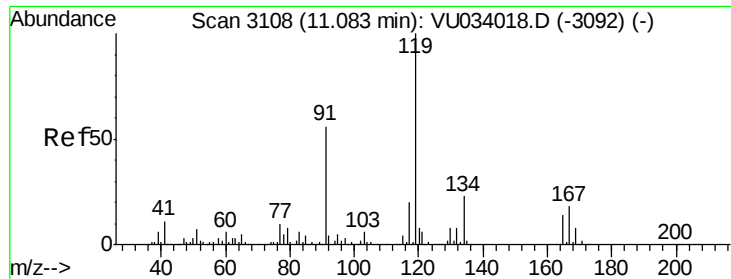
Tgt Ion: 75 Resp: 437562
Ion Ratio Lower Upper
75 100
53 0.0 0.0 0.0
89 0.0 0.0 0.0



#82
4-Chlorotoluene
Concen: 48.807 ug/l
RT: 10.75 min Scan# 3005
Delta R.T. -0.00 min
Lab File: VU034081.D
Acq: 29 Aug 2019 22:38

Tgt Ion: 91 Resp: 932259
Ion Ratio Lower Upper
91 100
126 30.2 15.0 45.1

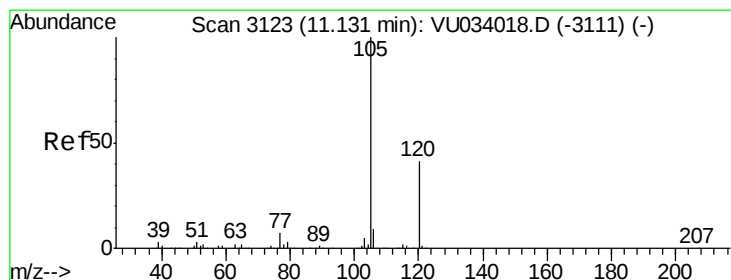
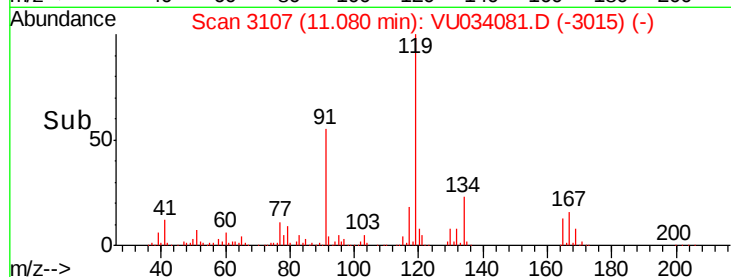
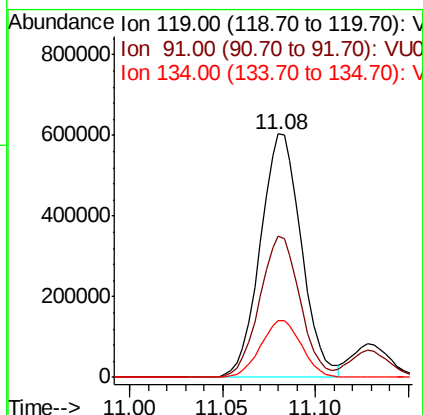
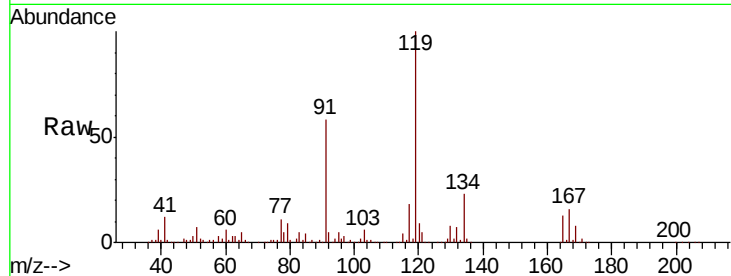




#83
 tert-Butylbenzene
 Concen: 46.972 ug/l
 RT: 11.08 min Scan# 3107
 Delta R.T. -0.00 min
 Lab File: VU034081.D
 Acq: 29 Aug 2019 22:38

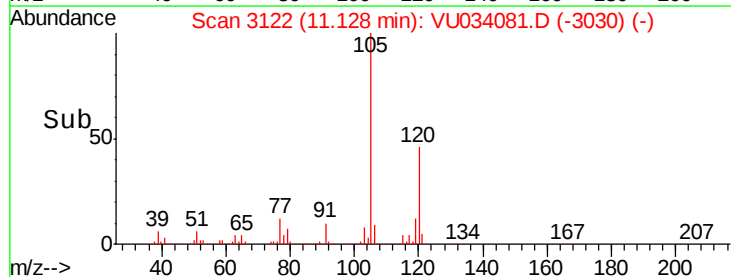
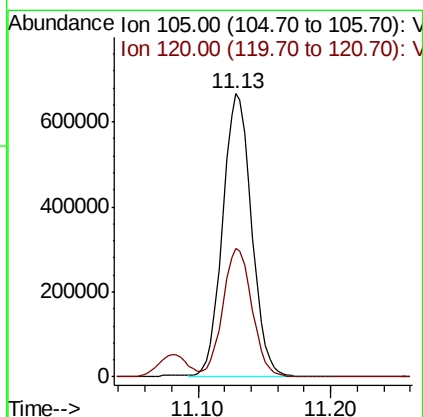
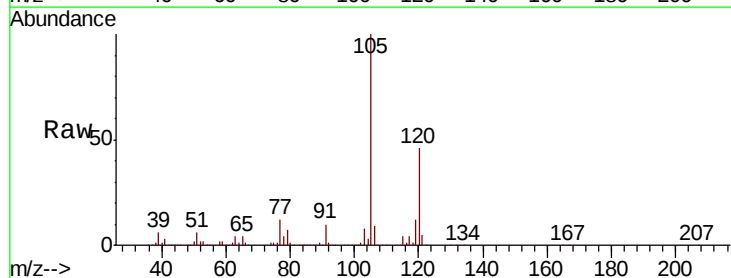
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

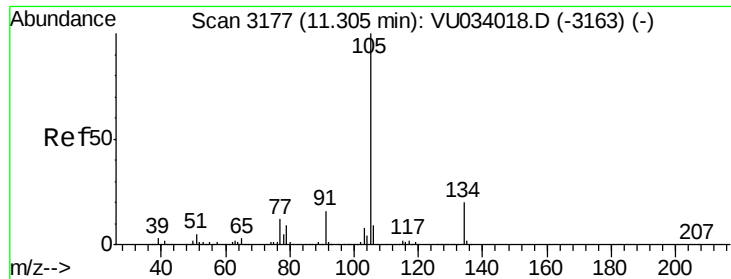
Tgt Ion:119 Resp: 931848
 Ion Ratio Lower Upper
 119 100
 91 57.1 27.9 83.6
 134 23.3 11.4 34.2



#84
 1,2,4-Trimethylbenzene
 Concen: 50.302 ug/l
 RT: 11.13 min Scan# 3122
 Delta R.T. -0.00 min
 Lab File: VU034081.D
 Acq: 29 Aug 2019 22:38

Tgt Ion:105 Resp: 1006567
 Ion Ratio Lower Upper
 105 100
 120 46.0 22.6 67.8

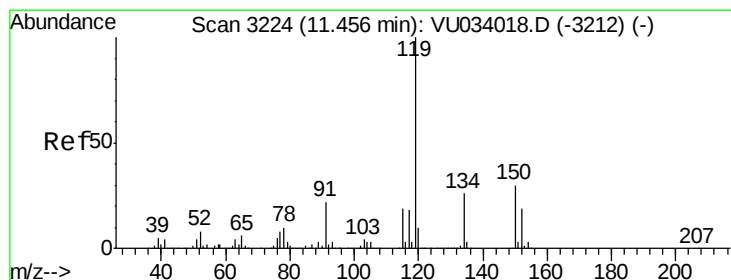
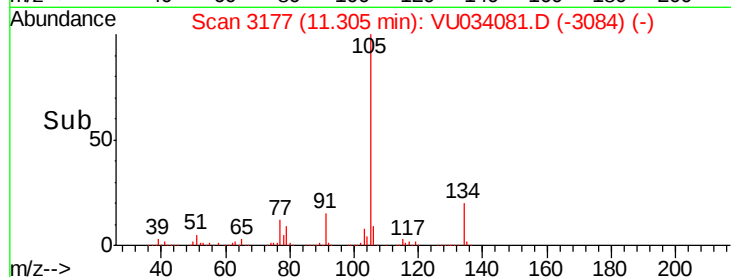
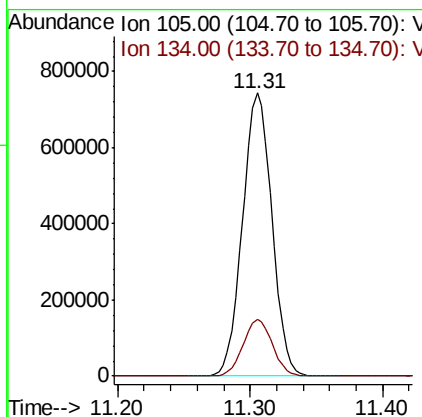
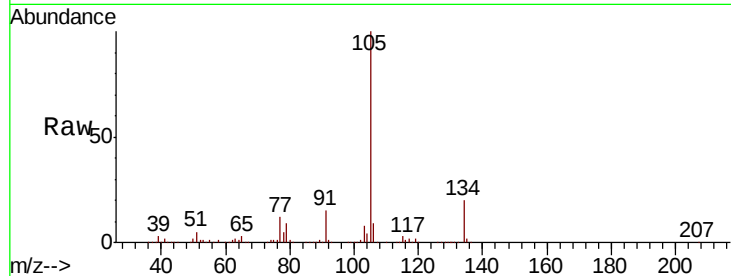




#85
 sec-Butylbenzene
 Concen: 47.983 ug/l
 RT: 11.31 min Scan# 3177
 Delta R.T. 0.00 min
 Lab File: VU034081.D
 Acq: 29 Aug 2019 22:38

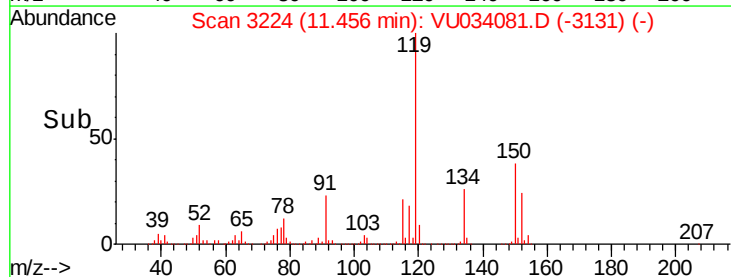
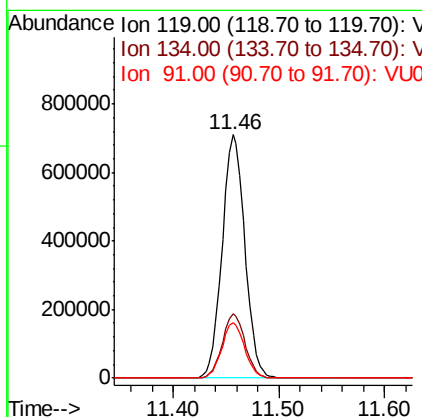
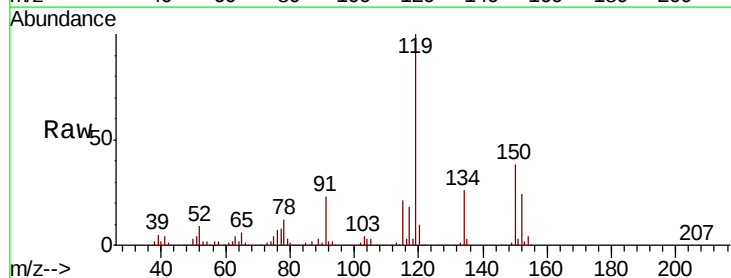
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

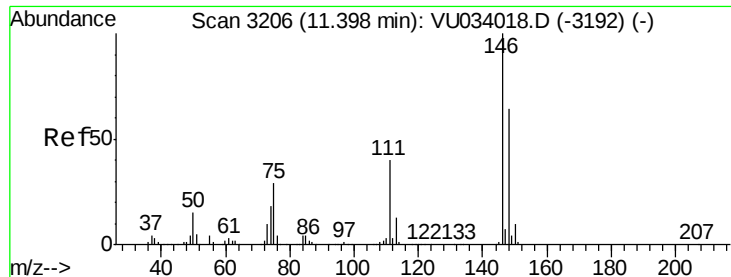
Tgt Ion:105 Resp: 1140889
 Ion Ratio Lower Upper
 105 100
 134 20.1 10.0 30.0



#86
 p-Isopropyltoluene
 Concen: 49.039 ug/l
 RT: 11.46 min Scan# 3224
 Delta R.T. 0.00 min
 Lab File: VU034081.D
 Acq: 29 Aug 2019 22:38

Tgt Ion:119 Resp: 1054554
 Ion Ratio Lower Upper
 119 100
 134 26.2 13.1 39.1
 91 22.8 11.2 33.6

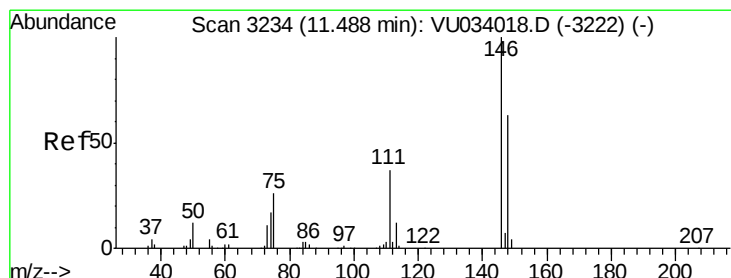
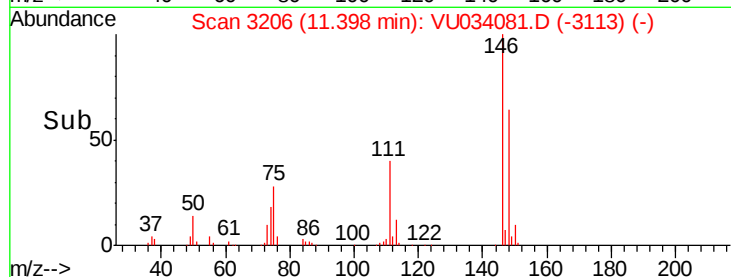
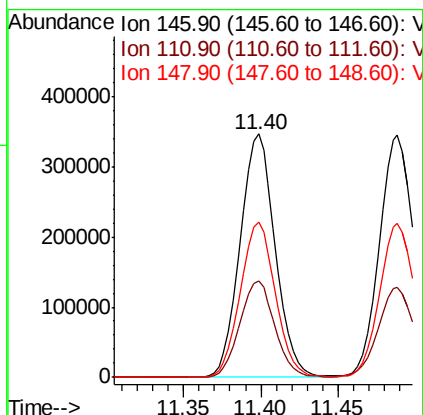
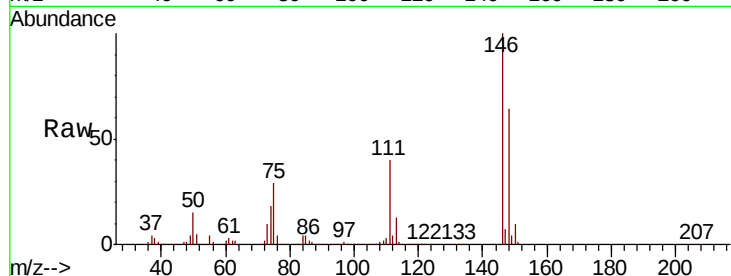




#87
 1,3-Dichlorobenzene
 Concen: 48.392 ug/l
 RT: 11.40 min Scan# 3206
 Delta R.T. 0.00 min
 Lab File: VU034081.D
 Acq: 29 Aug 2019 22:38

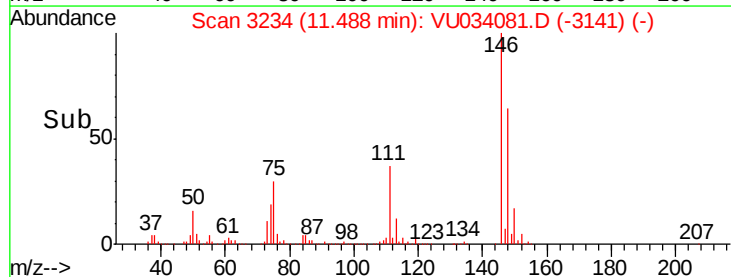
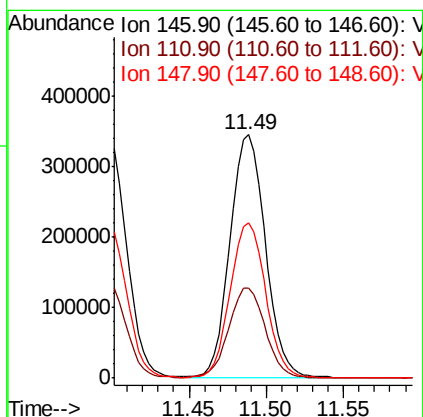
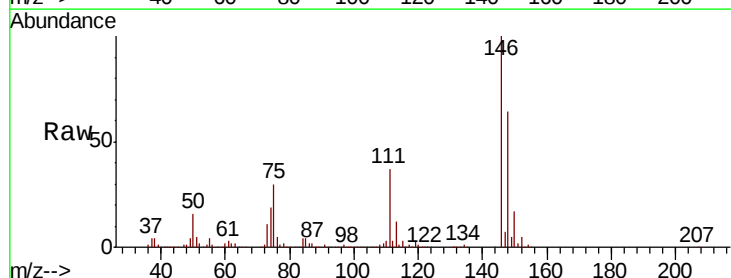
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

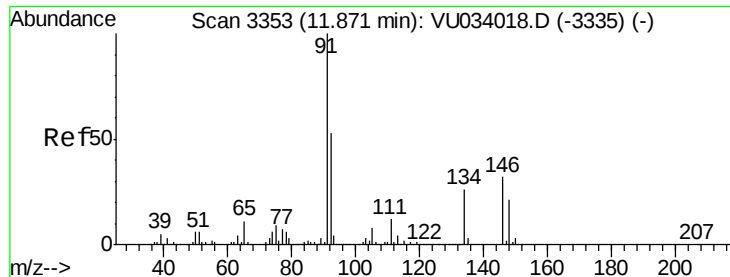
Tgt Ion:146 Resp: 547944
 Ion Ratio Lower Upper
 146 100
 111 39.5 19.9 59.6
 148 63.7 31.9 95.5



#88
 1,4-Dichlorobenzene
 Concen: 47.616 ug/l
 RT: 11.49 min Scan# 3234
 Delta R.T. 0.00 min
 Lab File: VU034081.D
 Acq: 29 Aug 2019 22:38

Tgt Ion:146 Resp: 545263
 Ion Ratio Lower Upper
 146 100
 111 38.6 19.2 57.6
 148 64.0 31.9 95.9

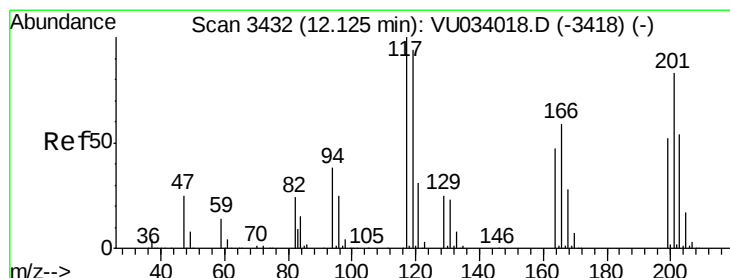
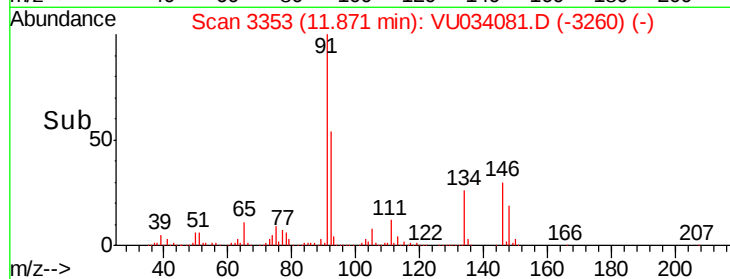
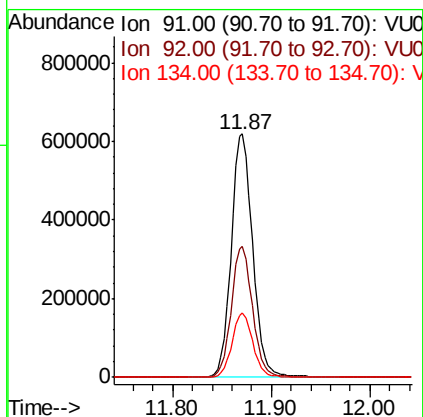
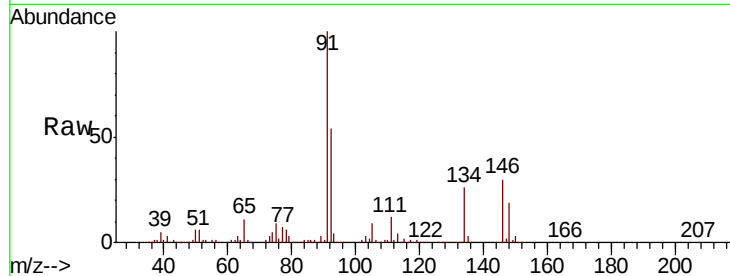




#89
n-Butylbenzene
Concen: 49.720 ug/l
RT: 11.87 min Scan# 3353
Delta R.T. 0.00 min
Lab File: VU034081.D
Acq: 29 Aug 2019 22:38

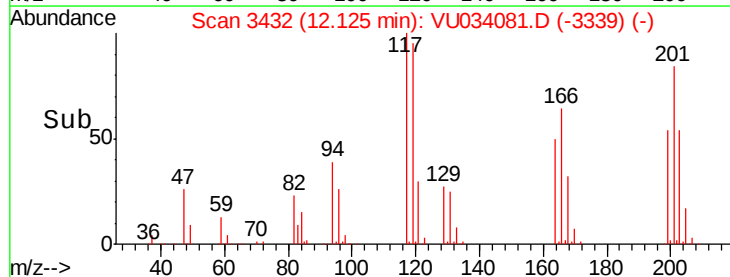
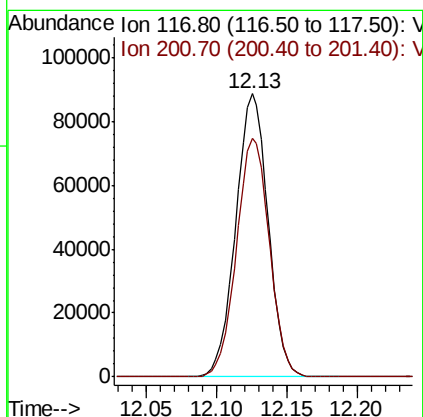
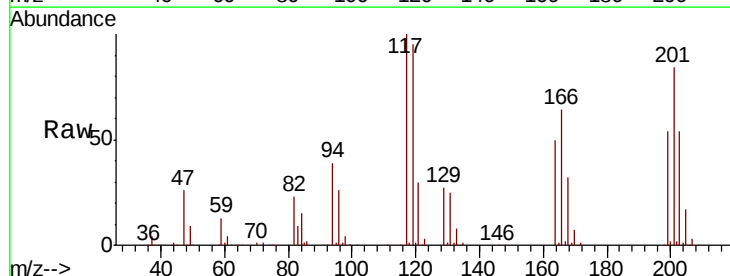
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

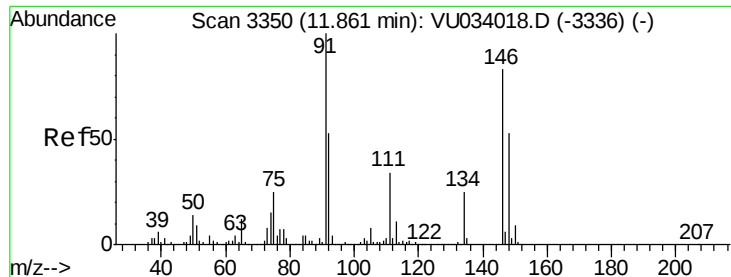
Tgt Ion: 91 Resp: 942665
Ion Ratio Lower Upper
91 100
92 53.2 26.3 78.9
134 25.8 12.9 38.7



#90
Hexachloroethane
Concen: 38.383 ug/l
RT: 12.13 min Scan# 3432
Delta R.T. 0.00 min
Lab File: VU034081.D
Acq: 29 Aug 2019 22:38

Tgt Ion: 117 Resp: 142705
Ion Ratio Lower Upper
117 100
201 85.6 42.5 127.6





#91

1,2-Dichlorobenzene

Concen: 49.115 ug/l

RT: 11.86 min Scan# 3349

Delta R.T. -0.00 min

Lab File: VU034081.D

Acq: 29 Aug 2019 22:38

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

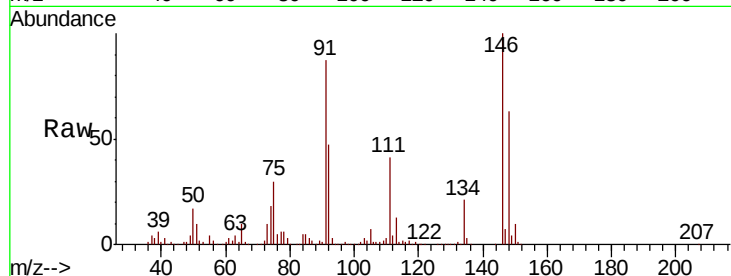
Tgt Ion:146 Resp: 532737

Ion Ratio Lower Upper

146 100

111 40.9 20.4 61.2

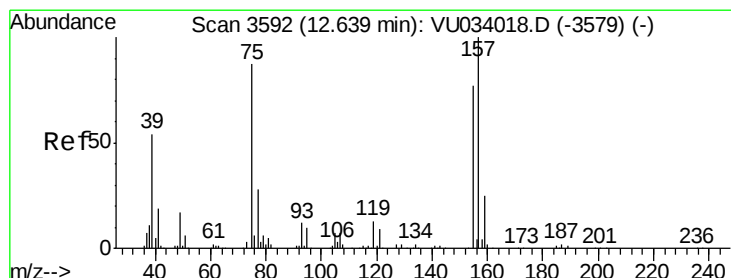
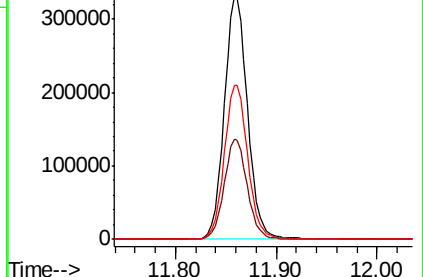
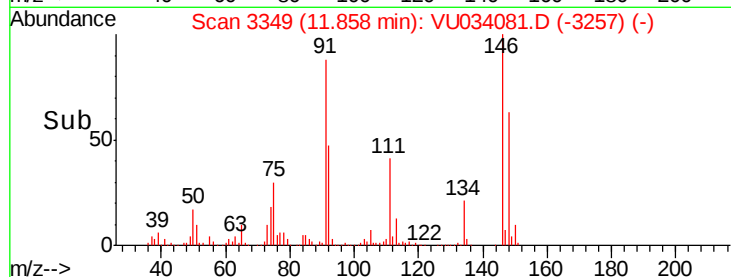
148 64.1 32.3 96.8



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



#92

1,2-Dibromo-3-Chloropropane

Concen: 45.309 ug/l

RT: 12.64 min Scan# 3592

Delta R.T. 0.00 min

Lab File: VU034081.D

Acq: 29 Aug 2019 22:38

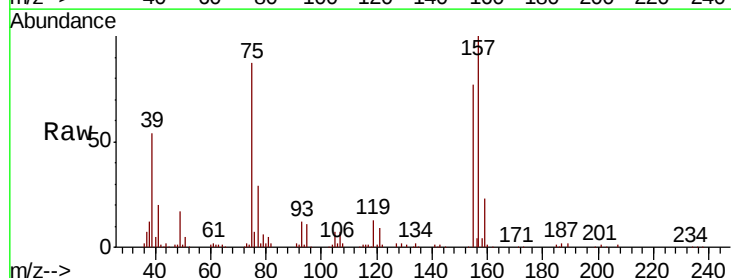
Tgt Ion: 75 Resp: 82144

Ion Ratio Lower Upper

75 100

155 90.0 43.5 130.7

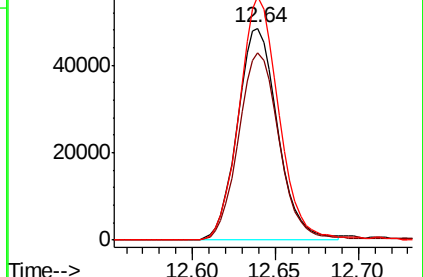
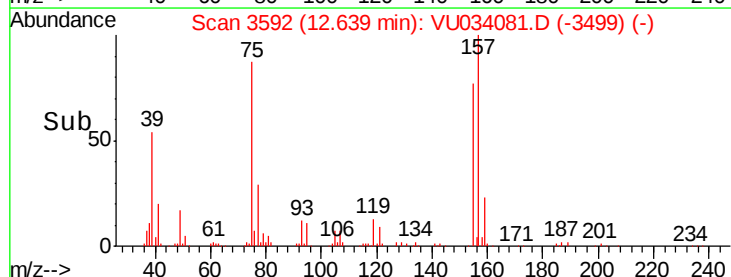
157 112.9 56.9 170.6

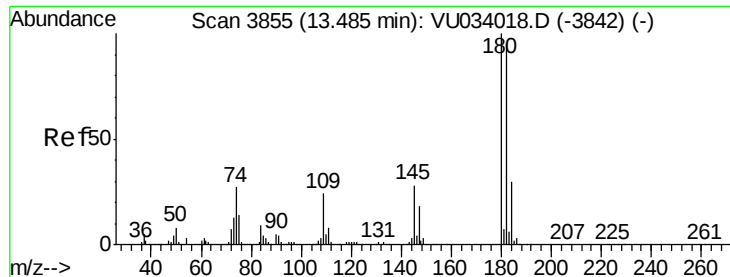


Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

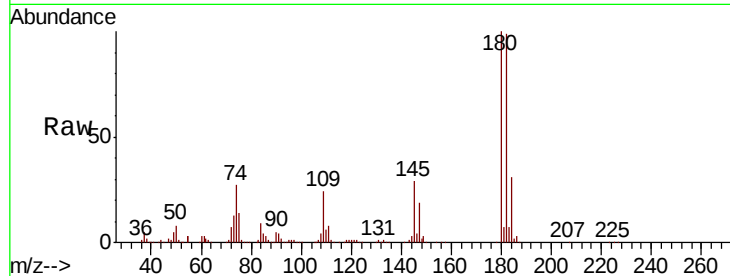




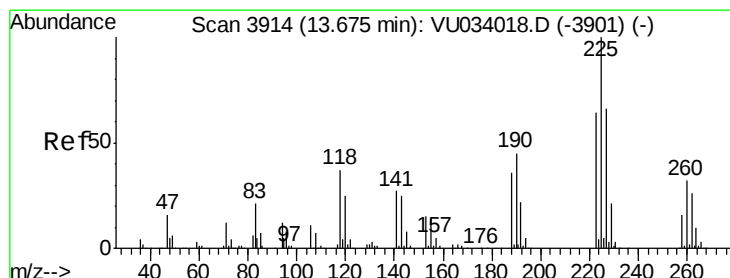
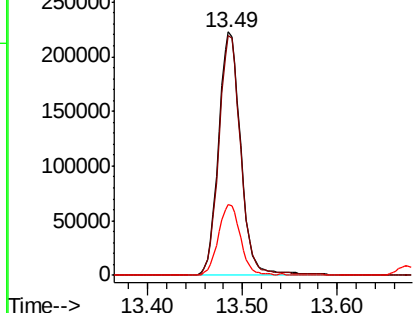
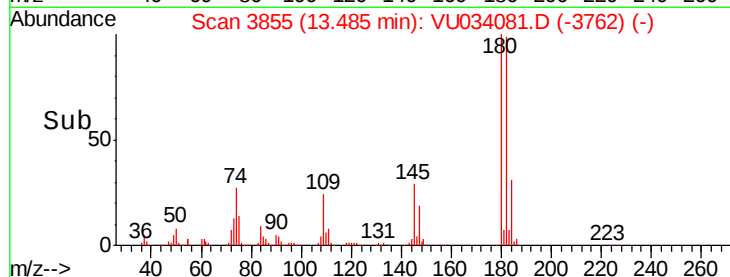
#93
 1,2,4-Trichlorobenzene
 Concen: 47.175 ug/l
 RT: 13.49 min Scan# 3855
 Delta R.T. 0.00 min
 Lab File: VU034081.D
 Acq: 29 Aug 2019 22:38

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tgt Ion:180 Resp: 363463
 Ion Ratio Lower Upper
 180 100
 182 97.2 47.4 142.2
 145 29.4 14.1 42.3

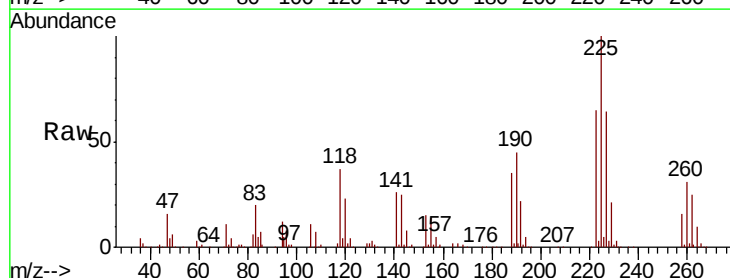


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

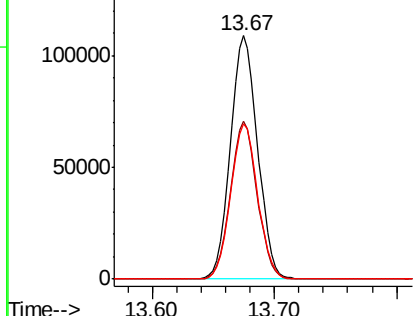
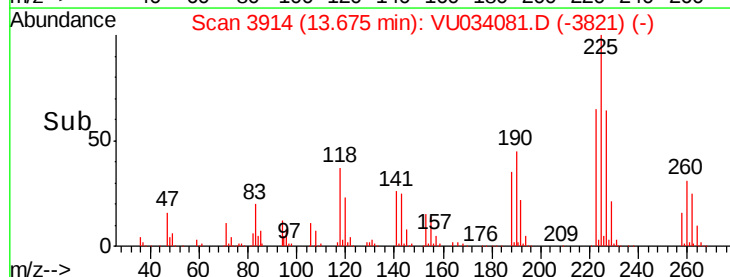


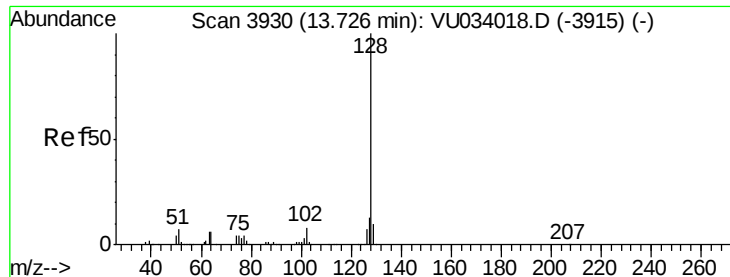
#94
 Hexachlorobutadiene
 Concen: 39.796 ug/l
 RT: 13.67 min Scan# 3914
 Delta R.T. 0.00 min
 Lab File: VU034081.D
 Acq: 29 Aug 2019 22:38

Tgt Ion:225 Resp: 168862
 Ion Ratio Lower Upper
 225 100
 223 63.8 31.8 95.3
 227 63.3 32.6 97.8



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

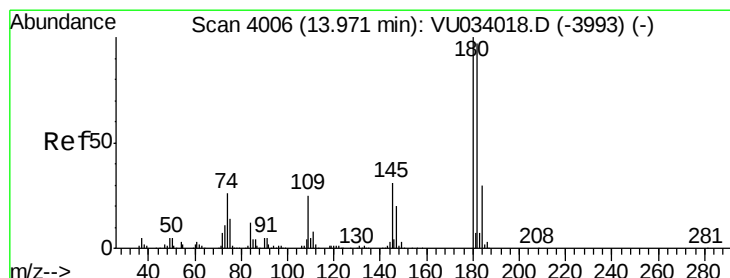
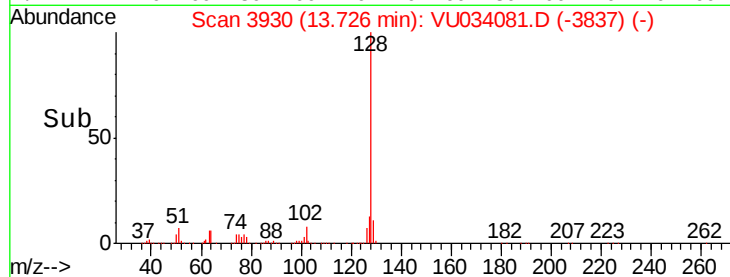
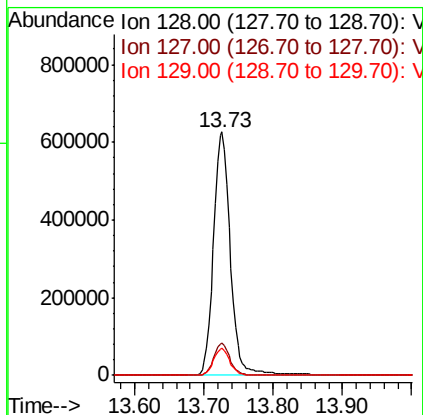
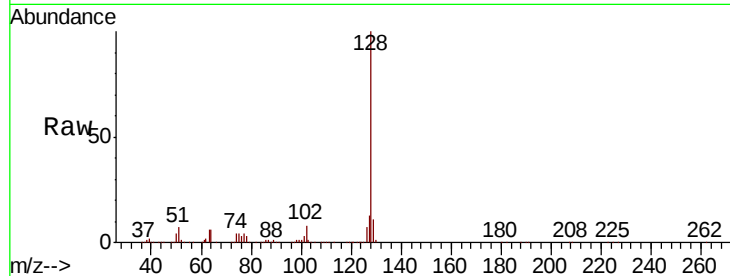




#95
Naphthalene
Concen: 47.951 ug/l
RT: 13.73 min Scan# 3930
Delta R.T. 0.00 min
Lab File: VU034081.D
Acq: 29 Aug 2019 22:38

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tgt Ion:128 Resp: 1057781
Ion Ratio Lower Upper
128 100
127 12.8 10.2 15.4
129 10.7 8.4 12.6



#96
1,2,3-Trichlorobenzene
Concen: 51.691 ug/l
RT: 13.97 min Scan# 4006
Delta R.T. 0.00 min
Lab File: VU034081.D
Acq: 29 Aug 2019 22:38

Tgt Ion:180 Resp: 359163
Ion Ratio Lower Upper
180 100
182 96.3 48.2 144.6
145 30.6 15.5 46.5

