

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU090319\
 Data File : VU034187.D
 Acq On : 02 Sep 2019 09:13
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 BFB

Quant Time: Sep 03 05:50:08 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	391548	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.86	114	587624	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.07	117	571835	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.46	152	318543	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.29	65	244576	48.75	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.50%	
35) Dibromofluoromethane	4.86	113	209385	51.37	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.74%	
50) Toluene-d8	7.55	98	811265	53.16	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.32%	
62) 4-Bromofluorobenzene	10.29	95	308021	51.89	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.78%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	200307	50.867	ug/l	100
3) Chloromethane	1.32	50	237589	44.967	ug/l	99
4) Vinyl Chloride	1.40	62	249753	47.653	ug/l	99
5) Bromomethane	1.61	94	129587	51.546	ug/l	99
6) Chloroethane	1.69	64	150333	46.918	ug/l	99
7) Trichlorofluoromethane	1.87	101	304112	50.077	ug/l	99
8) Diethyl Ether	2.09	74	132288	50.921	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	2.28	101	198863	51.691	ug/l	99
10) Methyl Iodide	2.40	142	165592	30.343	ug/l	99
11) Tert butyl alcohol	2.81	59	255409	220.759	ug/l	100
12) 1,1-Dichloroethene	2.27	96	193045	49.249	ug/l	99
13) Acrolein	2.18	56	75069	154.240	ug/l	99
14) Allyl chloride	2.58	41	314228	42.637	ug/l	91
15) Acrylonitrile	2.92	53	674655	254.120	ug/l	100
16) Acetone	2.31	43	766971	299.606	ug/l	99
17) Carbon Disulfide	2.46	76	544074	43.856	ug/l	99
18) Methyl Acetate	2.60	43	315080	47.629	ug/l	100
19) Methyl tert-butyl Ether	2.98	73	659575	51.356	ug/l	99
20) Methylene Chloride	2.69	84	233796	48.243	ug/l	98
21) trans-1,2-Dichloroethene	2.96	96	208795	49.081	ug/l	98
22) Diisopropyl ether	3.55	45	701220	51.924	ug/l	98
23) Vinyl Acetate	3.50	43	2976116	256.541	ug/l	99
24) 1,1-Dichloroethane	3.42	63	403469	50.604	ug/l	100
25) 2-Butanone	4.23	43	969522	272.220	ug/l	99
26) 2,2-Dichloropropane	4.20	77	326114	50.267	ug/l	99
27) cis-1,2-Dichloroethene	4.20	96	235737	49.370	ug/l	100
28) Bromochloromethane	4.52	49	200533	51.050	ug/l	99
29) Tetrahydrofuran	4.61	42	557282	253.726	ug/l	98
30) Chloroform	4.65	83	389585	48.974	ug/l	99
31) Cyclohexane	4.97	56	346530	46.254	ug/l	99
32) 1,1,1-Trichloroethane	4.89	97	323907	49.716	ug/l	99
36) 1,1-Dichloropropene	5.11	75	284448	51.176	ug/l	99
37) Ethyl Acetate	4.36	43	320424	51.481	ug/l	100
38) Carbon Tetrachloride	5.11	117	278195	51.853	ug/l	98

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 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)
39) Methylcyclohexane	6.40	83	339213	51.780	ug/l	99
40) Benzene	5.37	78	876063	52.095	ug/l	100
41) Methacrylonitrile	4.52	41	172101	53.915	ug/l	98
42) 1,2-Dichloroethane	5.38	62	301972	52.001	ug/l	99
43) Isopropyl Acetate	5.53	43	487639	51.498	ug/l	99
44) Trichloroethene	6.16	130	232946	52.750	ug/l	99
45) 1,2-Dichloropropane	6.41	63	246565	53.263	ug/l	100
46) Dibromomethane	6.54	93	158688	53.208	ug/l	99
47) Bromodichloromethane	6.74	83	310886	53.280	ug/l	99
48) Methyl methacrylate	6.60	41	236764	51.816	ug/l	98
49) 1,4-Dioxane	6.59	88	111948	977.819	ug/l	100
51) 4-Methyl-2-Pentanone	7.44	43	1674162	256.010	ug/l	99
52) Toluene	7.62	92	558703	53.932	ug/l	99
53) t-1,3-Dichloropropene	7.86	75	339196	52.390	ug/l	100
54) cis-1,3-Dichloropropene	7.25	75	379174	53.606	ug/l	98
55) 1,1,2-Trichloroethane	8.04	97	229228	52.313	ug/l	99
56) Ethyl methacrylate	8.00	69	342206	47.138	ug/l	99
57) 1,3-Dichloropropane	8.22	76	391729	52.650	ug/l	98
58) 2-Chloroethyl Vinyl ether	7.11	63	576776	237.925	ug/l	99
59) 2-Hexanone	8.34	43	1345419	272.535	ug/l	100
60) Dibromochloromethane	8.46	129	250992	53.361	ug/l	99
61) 1,2-Dibromoethane	8.57	107	238977	51.773	ug/l	99
64) Tetrachloroethene	8.21	164	207327	53.988	ug/l	98
65) Chlorobenzene	9.10	112	611168	51.936	ug/l	98
66) 1,1,1,2-Tetrachloroethane	9.19	131	218461	51.196	ug/l	99
67) Ethyl Benzene	9.23	91	1057593	53.018	ug/l	99
68) m/p-Xylenes	9.35	106	831564	109.633	ug/l	100
69) o-Xylene	9.76	106	387780	53.289	ug/l	98
70) Styrene	9.77	104	703063	56.347	ug/l	100
71) Bromoform	9.94	173	192912	52.034	ug/l #	99
73) Isopropylbenzene	10.15	105	1075782	50.279	ug/l	100
74) N-amyl acetate	10.00	43	446220	49.585	ug/l	99
75) 1,1,2,2-Tetrachloroethane	10.44	83	388996	47.500	ug/l	100
76) 1,2,3-Trichloropropane	10.48	75	430496	59.963	ug/l	87
77) Bromobenzene	10.43	156	280411	48.719	ug/l	99
78) n-propylbenzene	10.57	91	1281911	51.445	ug/l	99
79) 2-Chlorotoluene	10.64	91	755135	50.524	ug/l	99
80) 1,3,5-Trimethylbenzene	10.75	105	939485	51.806	ug/l	99
81) trans-1,4-Dichloro-2-buten	10.48	75	430496	201.909	ug/l #	100
82) 4-Chlorotoluene	10.75	91	884442	51.454	ug/l	100
83) tert-Butylbenzene	11.08	119	886049	49.632	ug/l	99
84) 1,2,4-Trimethylbenzene	11.13	105	949496	52.728	ug/l	100
85) sec-Butylbenzene	11.31	105	1091432	51.009	ug/l	100
86) p-Isopropyltoluene	11.46	119	1016684	52.537	ug/l	100
87) 1,3-Dichlorobenzene	11.40	146	523577	51.383	ug/l	100
88) 1,4-Dichlorobenzene	11.49	146	527102	51.150	ug/l	100
89) n-Butylbenzene	11.87	91	931045	54.570	ug/l	100
90) Hexachloroethane	12.13	117	152462	45.568	ug/l	100
91) 1,2-Dichlorobenzene	11.86	146	505461	51.784	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	12.64	75	80177	49.143	ug/l	97

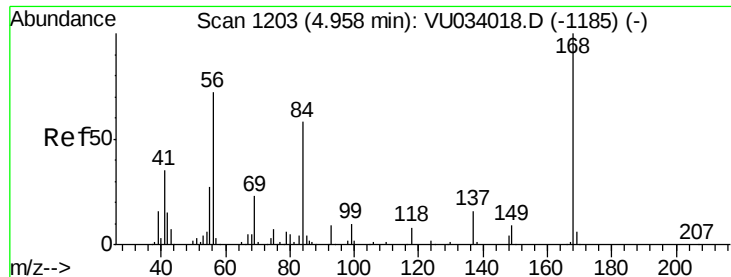
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Quant Title : SW846 8260
QLast Update : Thu Aug 29 04:11:12 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.49	180	355992	51.246	ug/l	99
94) Hexachlorobutadiene	13.67	225	174008	45.571	ug/l	99
95) Naphthalene	13.72	128	955854	48.143	ug/l	100
96) 1,2,3-Trichlorobenzene	13.97	180	343379	54.917	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.96 min Scan# 1204

Delta R.T. 0.00 min

Lab File: VU034187.D

Acq: 02 Sep 2019 09:13

Instrument :

MSVOA_U

ClientSampled :

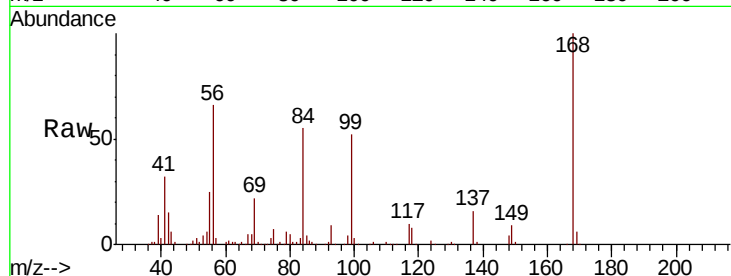
BFB

Tgt Ion:168 Resp: 391548

Ion Ratio Lower Upper

168 100

99 51.4 42.3 63.5



Abundance Ion 167.90 (167.60 to 168.60): VU034187.D (-1185) (-)

Ion 98.90 (98.60 to 99.60): VU034187.D (-1185) (-)

4.96

150000

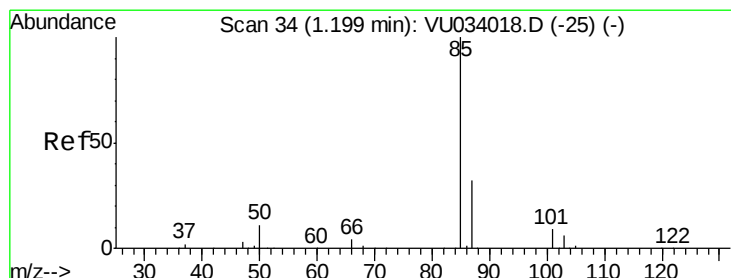
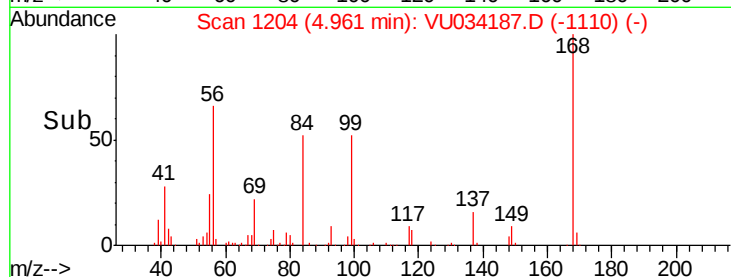
100000

50000

0

4.90 5.00 5.10

Time-->



#2

Dichlorodifluoromethane

Concen: 50.867 ug/l

RT: 1.20 min Scan# 35

Delta R.T. 0.00 min

Lab File: VU034187.D

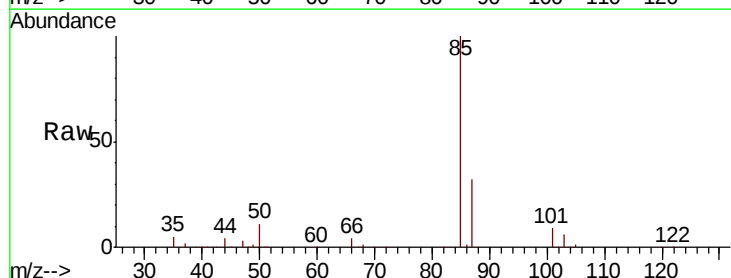
Acq: 02 Sep 2019 09:13

Tgt Ion: 85 Resp: 200307

Ion Ratio Lower Upper

85 100

87 32.3 16.1 48.3



Abundance Ion 84.90 (84.60 to 85.60): VU034187.D (-1) (-)

Ion 86.90 (86.60 to 87.60): VU034187.D (-1) (-)

1.20

200000

150000

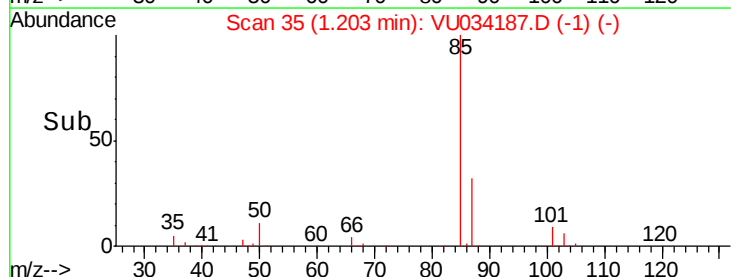
100000

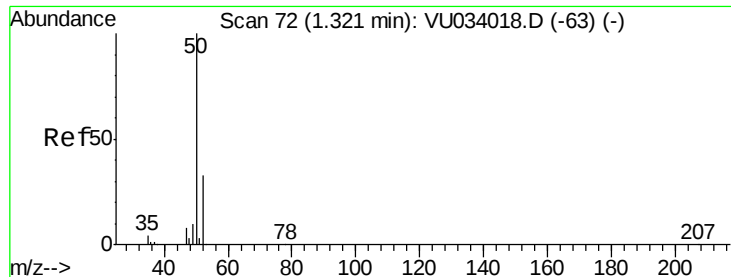
50000

0

1.15 1.20 1.25

Time-->





#3

Chloromethane

Concen: 44.967 ug/l

RT: 1.32 min Scan# 73

Delta R.T. 0.00 min

Lab File: VU034187.D

Acq: 02 Sep 2019 09:13

Instrument :

MSVOA_U

ClientSampled :

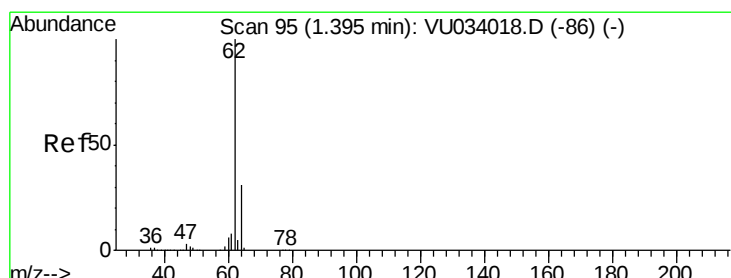
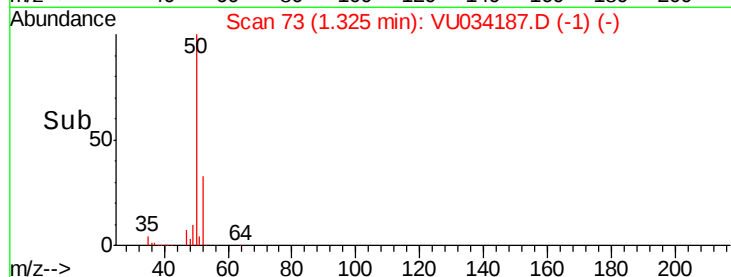
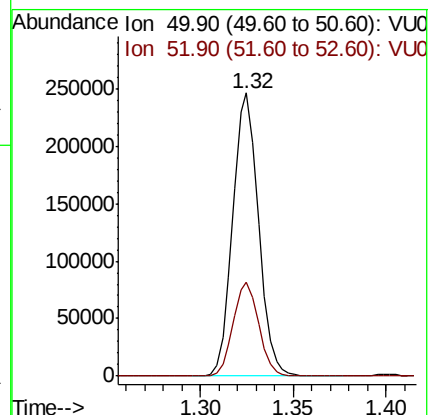
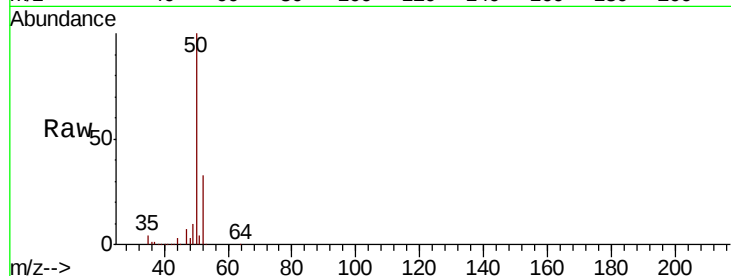
BFB

Tgt Ion: 50 Resp: 237589

Ion Ratio Lower Upper

50 100

52 33.2 26.2 39.4



#4

Vinyl Chloride

Concen: 47.653 ug/l

RT: 1.40 min Scan# 96

Delta R.T. 0.00 min

Lab File: VU034187.D

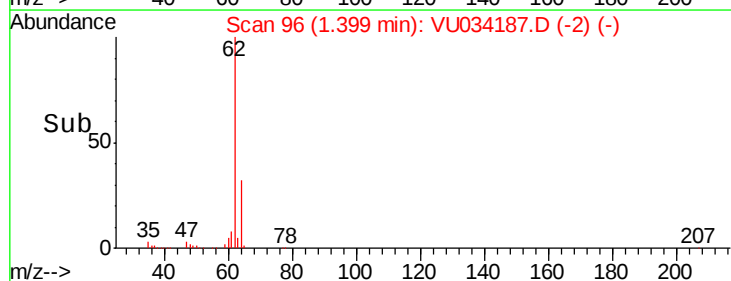
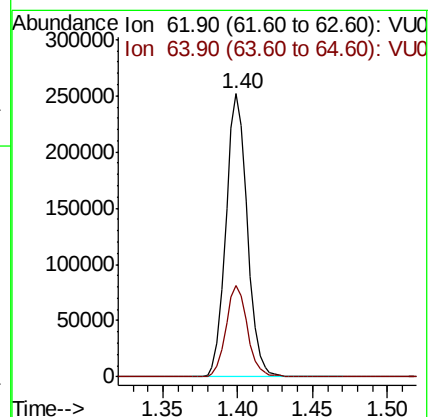
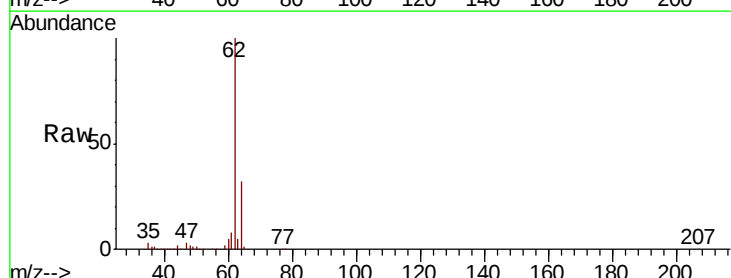
Acq: 02 Sep 2019 09:13

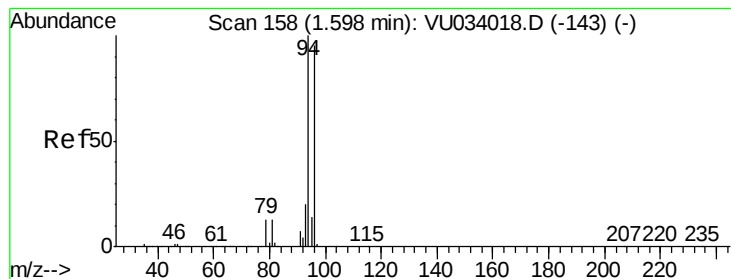
Tgt Ion: 62 Resp: 249753

Ion Ratio Lower Upper

62 100

64 31.9 25.0 37.6





#5

Bromomethane

Concen: 51.546 ug/l

RT: 1.61 min Scan# 162

Delta R.T. 0.01 min

Lab File: VU034187.D

Acq: 02 Sep 2019 09:13

Instrument :

MSVOA_U

ClientSampleId :

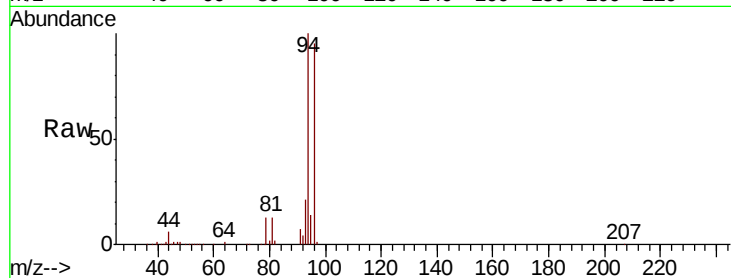
BFB

Tgt Ion: 94 Resp: 129587

Ion Ratio Lower Upper

94 100

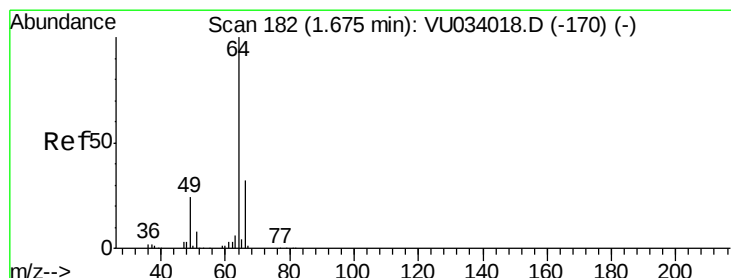
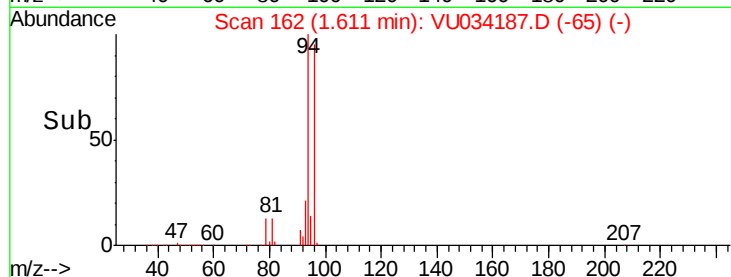
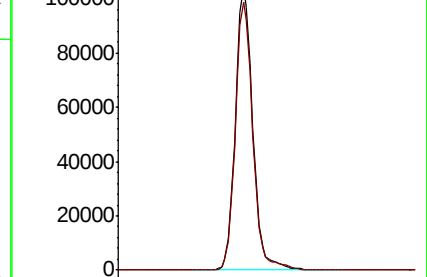
96 94.8 76.3 114.5



Abundance Ion 93.90 (93.60 to 94.60): VU034187.D (-162) (-)

Ion 95.90 (95.60 to 96.60): VU034187.D (-162) (-)

1.61



#6

Chloroethane

Concen: 46.918 ug/l

RT: 1.69 min Scan# 186

Delta R.T. 0.01 min

Lab File: VU034187.D

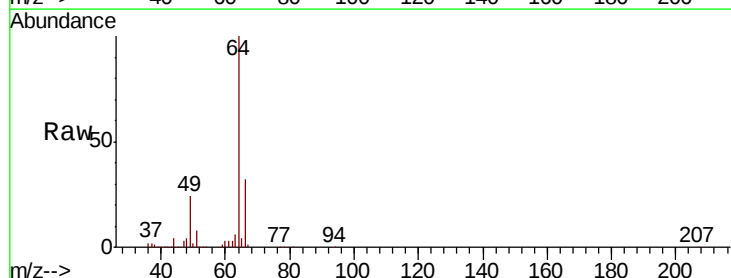
Acq: 02 Sep 2019 09:13

Tgt Ion: 64 Resp: 150333

Ion Ratio Lower Upper

64 100

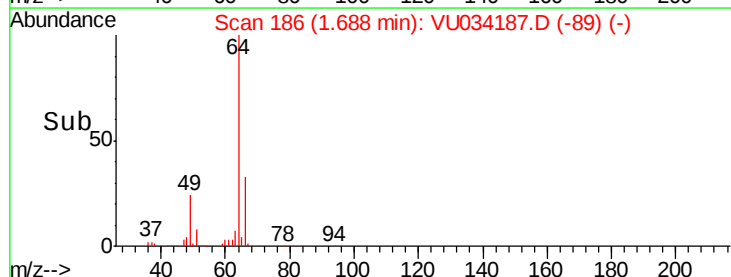
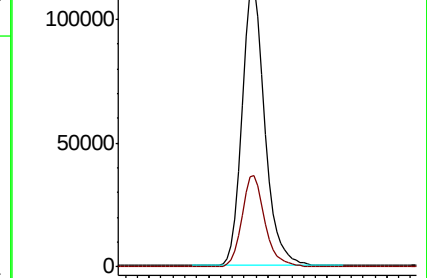
66 32.6 25.5 38.3

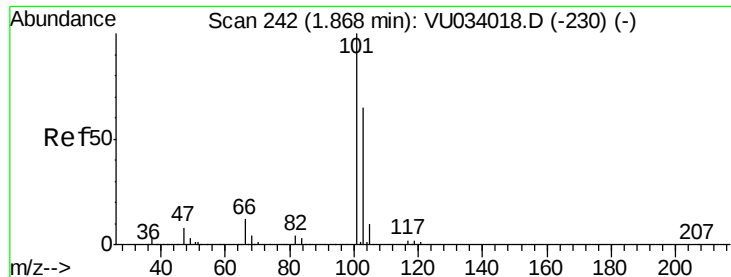


Abundance Ion 63.90 (63.60 to 64.60): VU034187.D (-186) (-)

Ion 65.90 (65.60 to 66.60): VU034187.D (-186) (-)

1.69





#7

Trichlorofluoromethane

Concen: 50.077 ug/l

RT: 1.87 min Scan# 244

Delta R.T. 0.01 min

Lab File: VU034187.D

Acq: 02 Sep 2019 09:13

Instrument :

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ClientSampleId :

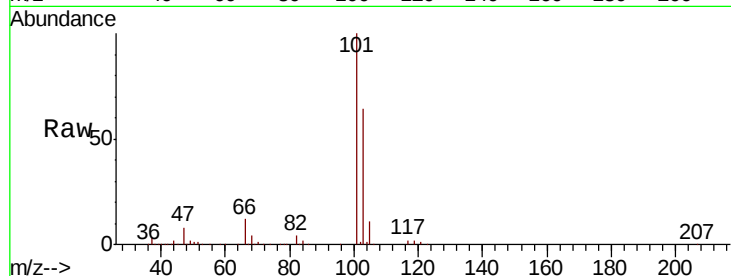
BFB

Tgt Ion:101 Resp: 304112

Ion Ratio Lower Upper

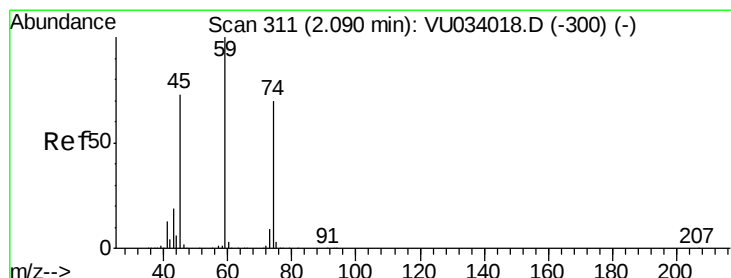
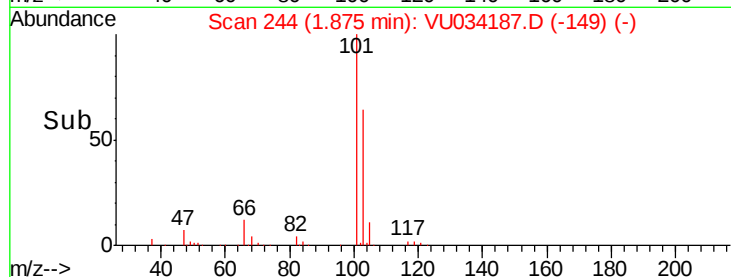
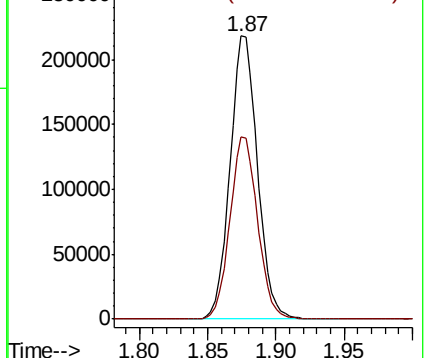
101 100

103 64.4 52.1 78.1



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 102.80 (102.50 to 103.50): V



#8

Diethyl Ether

Concen: 50.921 ug/l

RT: 2.09 min Scan# 312

Delta R.T. 0.00 min

Lab File: VU034187.D

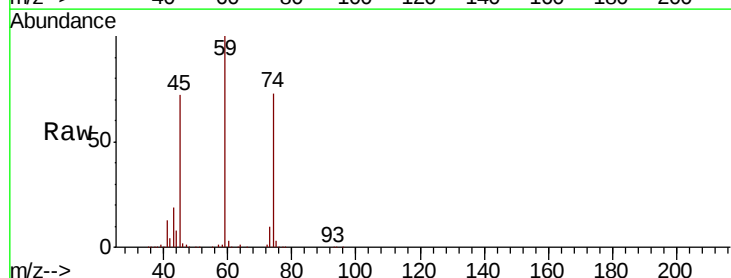
Acq: 02 Sep 2019 09:13

Tgt Ion: 74 Resp: 132288

Ion Ratio Lower Upper

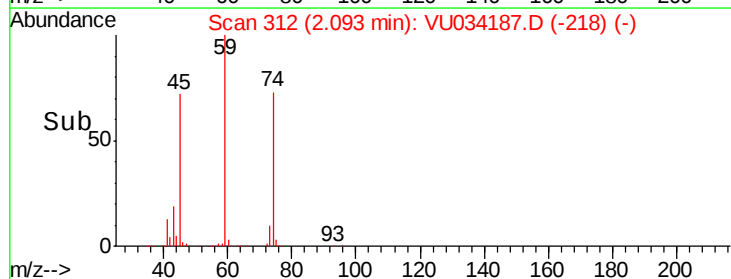
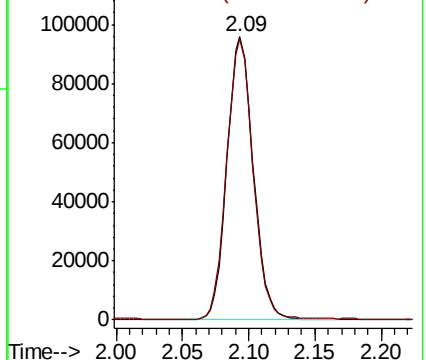
74 100

45 98.9 51.8 155.5



Abundance Ion 74.00 (73.70 to 74.70): VU0

Ion 45.00 (44.70 to 45.70): VU0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 51.691 ug/l

RT: 2.28 min Scan# 369

Delta R.T. 0.01 min

Lab File: VU034187.D

Acq: 02 Sep 2019 09:13

Instrument :

MSVOA_U

ClientSampleId :

BFB

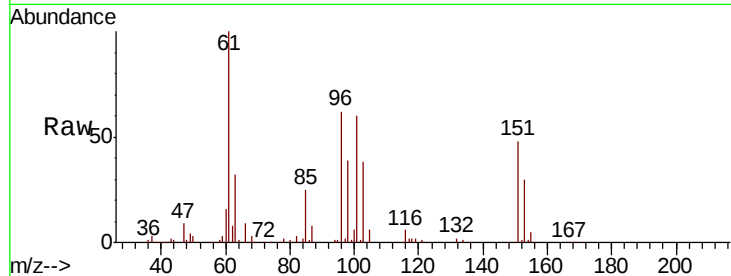
Tgt Ion:101 Resp: 198863

Ion Ratio Lower Upper

101 100

85 42.4 34.2 51.2

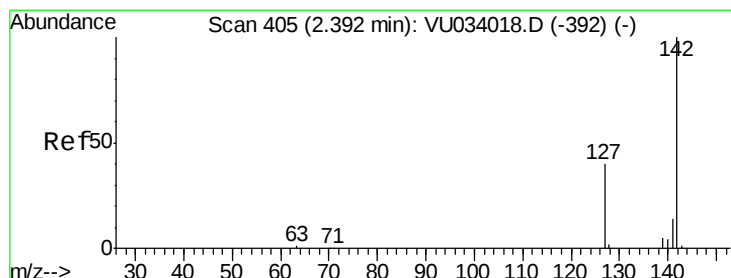
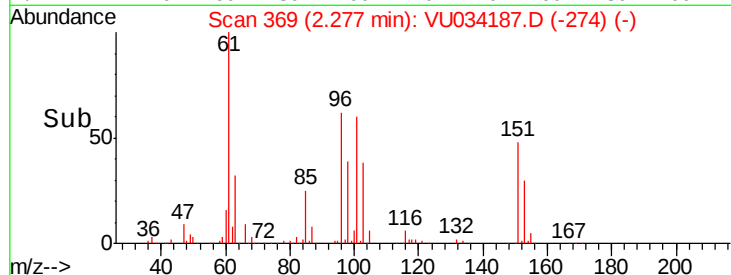
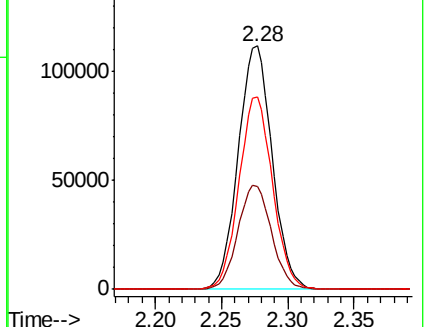
151 78.1 61.4 92.2



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 30.343 ug/l

RT: 2.40 min Scan# 407

Delta R.T. 0.01 min

Lab File: VU034187.D

Acq: 02 Sep 2019 09:13

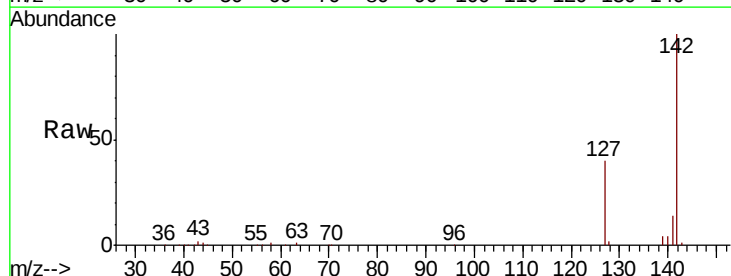
Tgt Ion:142 Resp: 165592

Ion Ratio Lower Upper

142 100

127 41.2 32.6 48.8

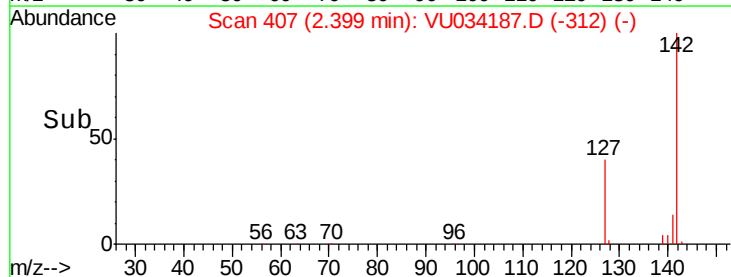
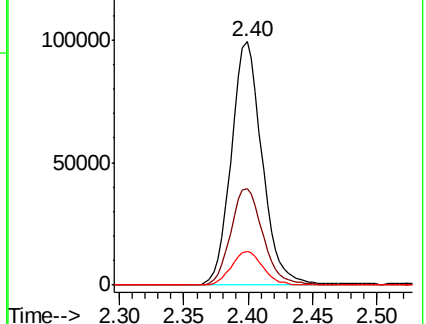
141 14.3 11.3 16.9

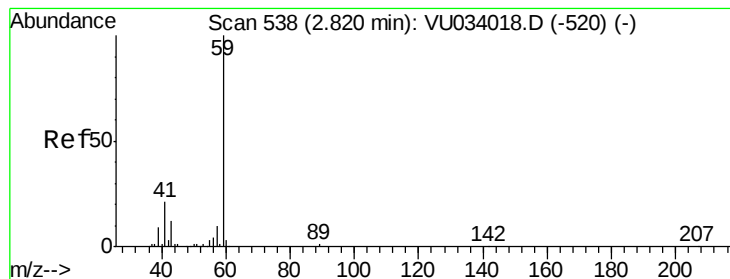


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



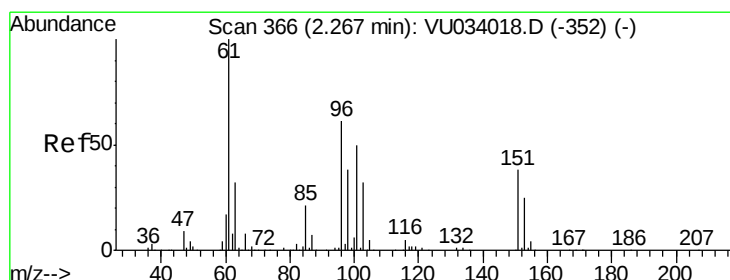
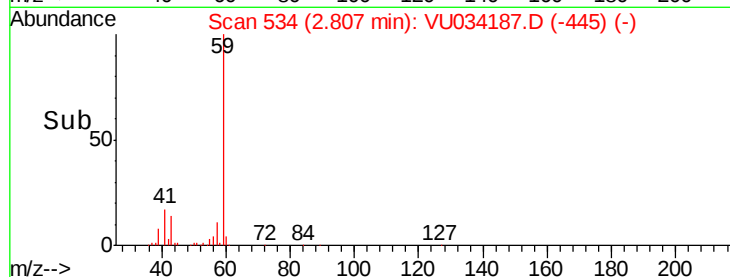
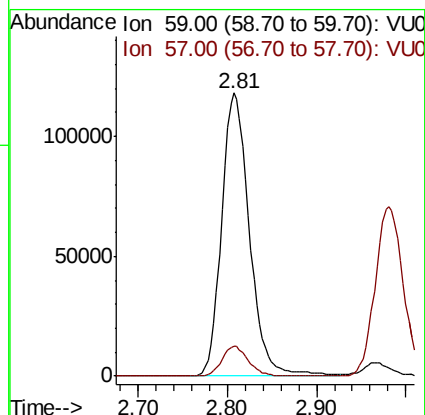
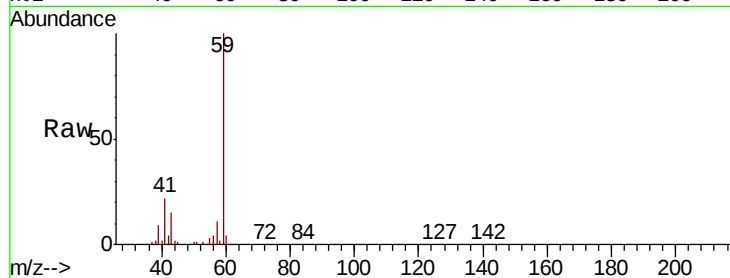


#11

Tert butyl alcohol
 Concen: 220.759 ug/l
 RT: 2.81 min Scan# 534
 Delta R.T. -0.01 min
 Lab File: VU034187.D
 Acq: 02 Sep 2019 09:13

Instrument :
 MSVOA_U
 ClientSampled :
 BFB

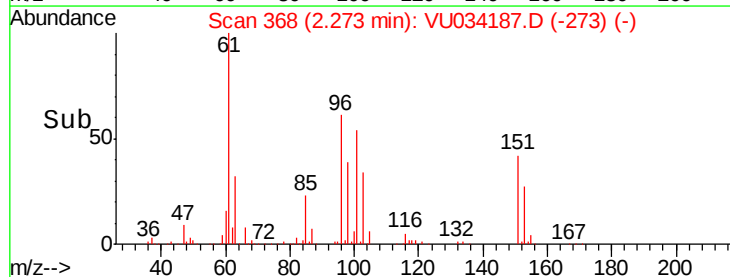
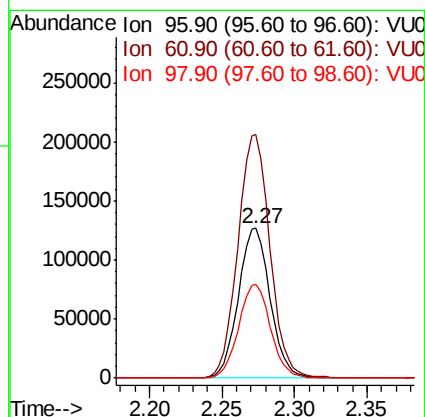
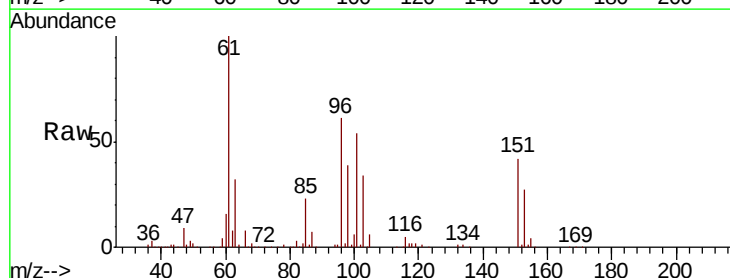
Tgt Ion: 59 Resp: 255409
 Ion Ratio Lower Upper
 59 100
 57 9.9 8.0 12.0

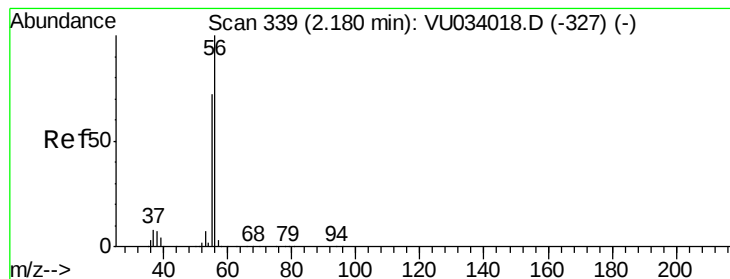


#12

1,1-Dichloroethene
 Concen: 49.249 ug/l
 RT: 2.27 min Scan# 368
 Delta R.T. 0.01 min
 Lab File: VU034187.D
 Acq: 02 Sep 2019 09:13

Tgt Ion: 96 Resp: 193045
 Ion Ratio Lower Upper
 96 100
 61 162.6 131.3 196.9
 98 63.0 50.3 75.5





#13

Acrolein

Concen: 154.240 ug/l

RT: 2.18 min Scan# 340

Delta R.T. 0.00 min

Lab File: VU034187.D

Acq: 02 Sep 2019 09:13

Instrument :

MSVOA_U

ClientSampled :

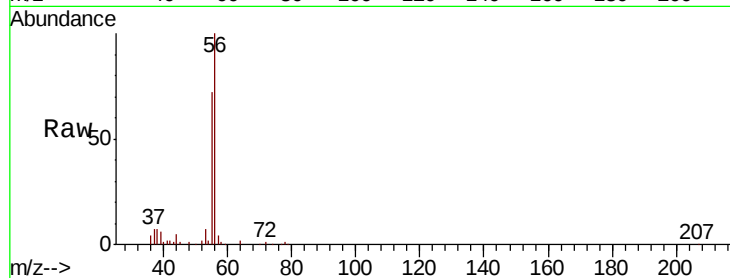
BFB

Tgt Ion: 56 Resp: 75069

Ion Ratio Lower Upper

56 100

55 70.4 57.1 85.7



Abundance Ion 56.00 (55.70 to 56.70): VU034187.D (-340) (-)

Ion 55.00 (54.70 to 55.70): VU034187.D (-340) (-)

2.18

50000

40000

30000

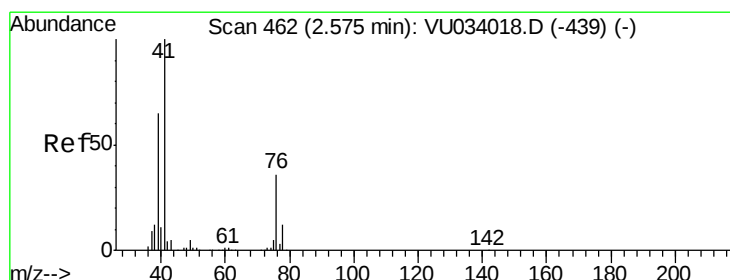
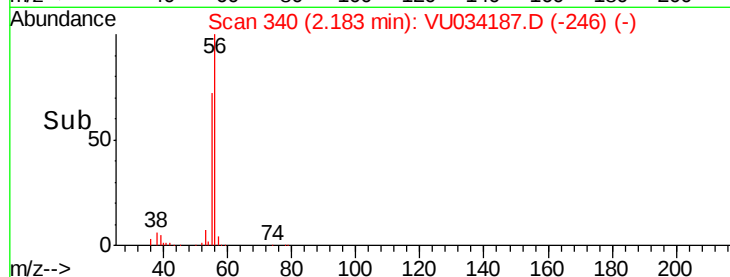
20000

10000

0

Time-->

2.10 2.15 2.20 2.25



#14

Allyl chloride

Concen: 42.637 ug/l

RT: 2.58 min Scan# 463

Delta R.T. 0.00 min

Lab File: VU034187.D

Acq: 02 Sep 2019 09:13

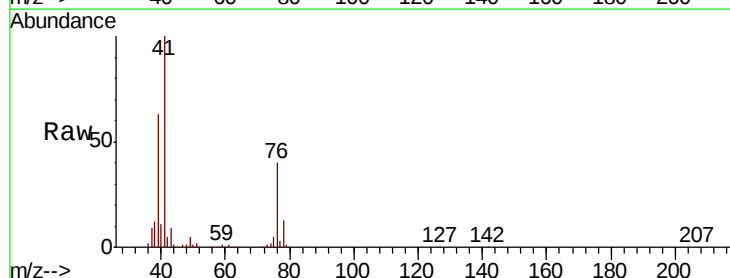
Tgt Ion: 41 Resp: 314228

Ion Ratio Lower Upper

41 100

39 64.4 46.8 70.2

76 39.2 26.6 40.0



Abundance Ion 41.00 (40.70 to 41.70): VU034187.D (-463) (-)

Ion 39.00 (38.70 to 39.70): VU034187.D (-463) (-)

Ion 75.90 (75.60 to 76.60): VU034187.D (-463) (-)

2.58

250000

200000

150000

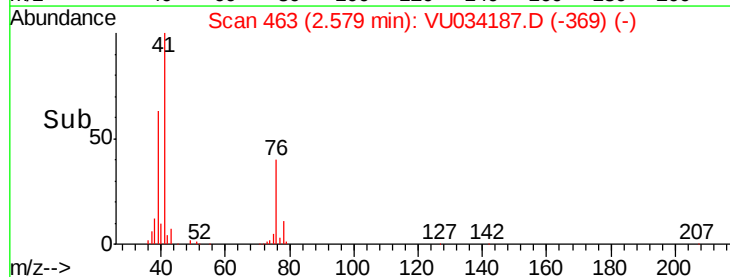
100000

50000

0

Time-->

2.50 2.55 2.60 2.65





#15

Acrylonitrile

Concen: 254.120 ug/l

RT: 2.92 min Scan# 568

Delta R.T. 0.00 min

Lab File: VU034187.D

Acq: 02 Sep 2019 09:13

Instrument :

MSVOA_U

ClientSampleId :

BFB

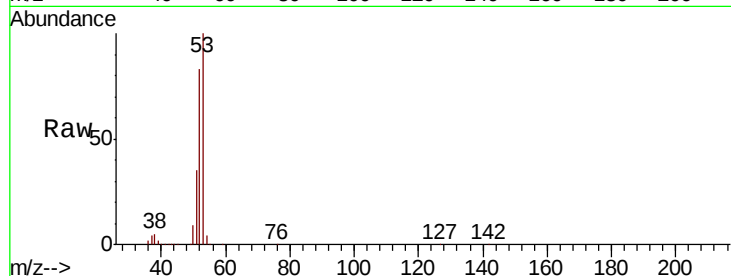
Tgt Ion: 53 Resp: 674655

Ion Ratio Lower Upper

53 100

52 82.1 65.7 98.5

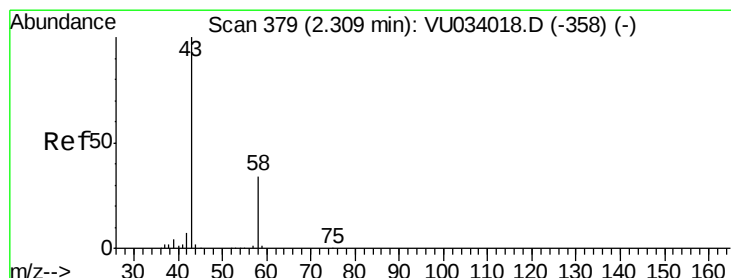
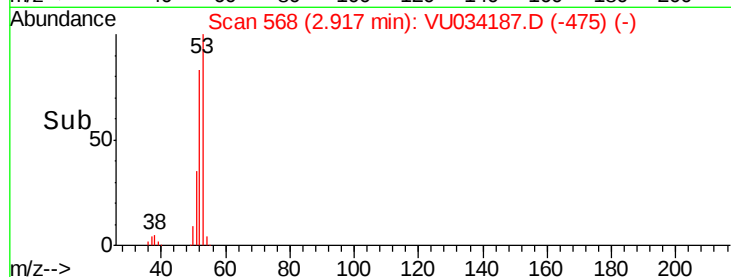
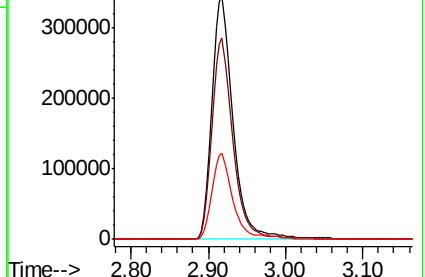
51 35.2 27.9 41.9



Abundance Ion 53.00 (52.70 to 53.70): VU034187.D (-555) (-)

Ion 52.00 (51.70 to 52.70): VU034187.D (-555) (-)

Ion 51.00 (50.70 to 51.70): VU034187.D (-555) (-)



#16

Acetone

Concen: 299.606 ug/l

RT: 2.31 min Scan# 379

Delta R.T. 0.00 min

Lab File: VU034187.D

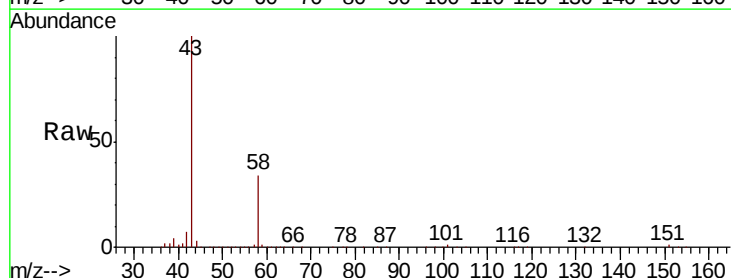
Acq: 02 Sep 2019 09:13

Tgt Ion: 43 Resp: 766971

Ion Ratio Lower Upper

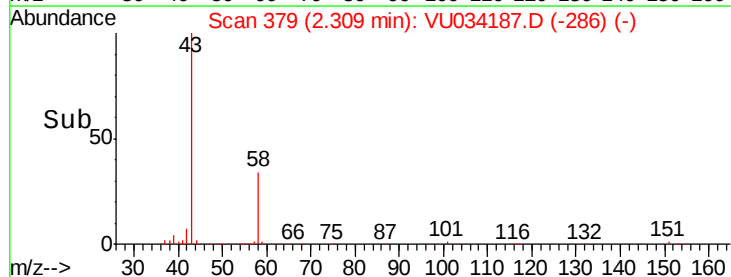
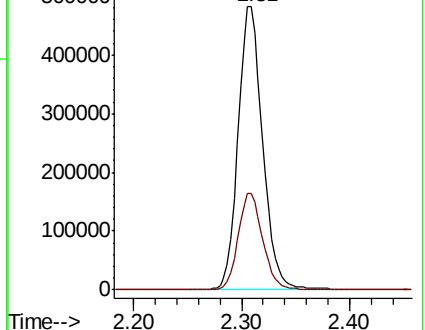
43 100

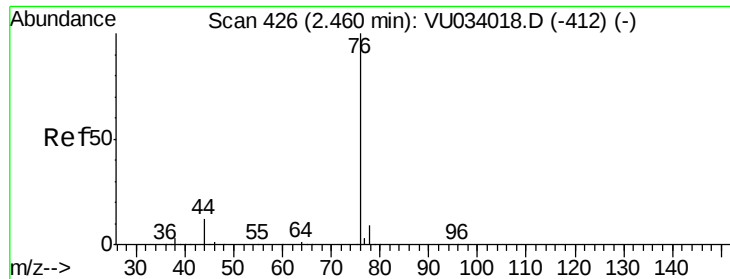
58 34.1 26.8 40.2



Abundance Ion 43.00 (42.70 to 43.70): VU034187.D (-358) (-)

Ion 58.00 (57.70 to 58.70): VU034187.D (-358) (-)

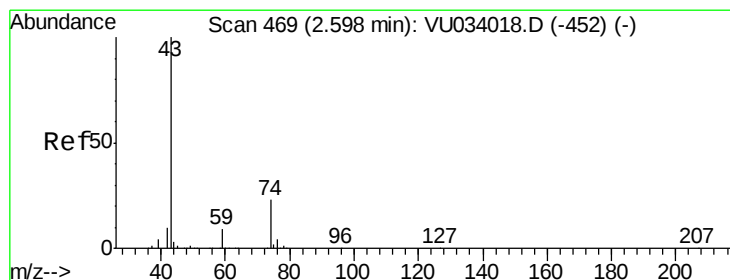
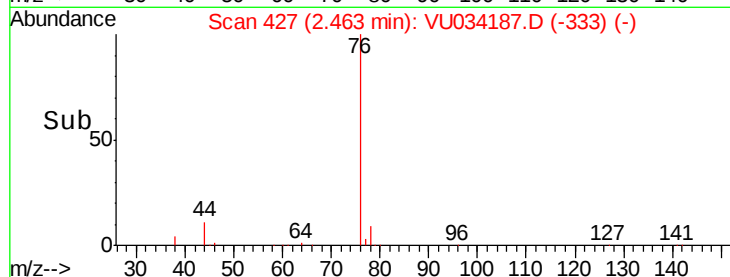
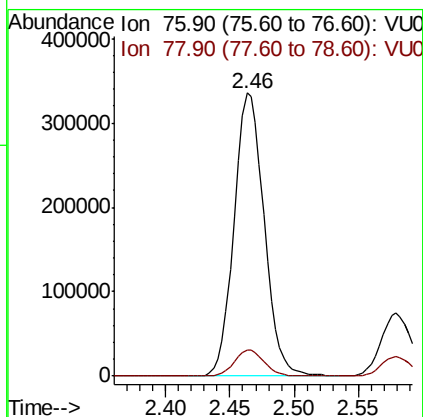
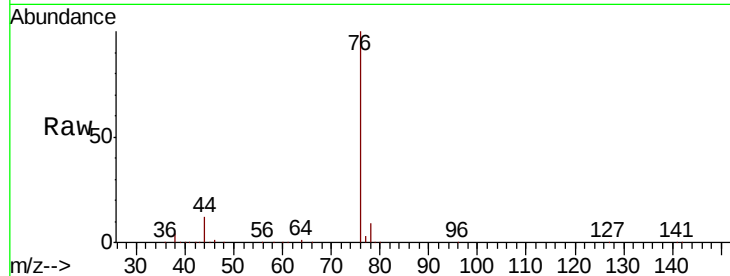




#17
Carbon Disulfide
Concen: 43.856 ug/l
RT: 2.46 min Scan# 427
Delta R.T. 0.00 min
Lab File: VU034187.D
Acq: 02 Sep 2019 09:13

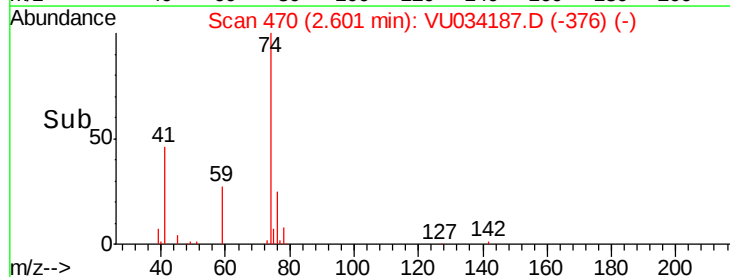
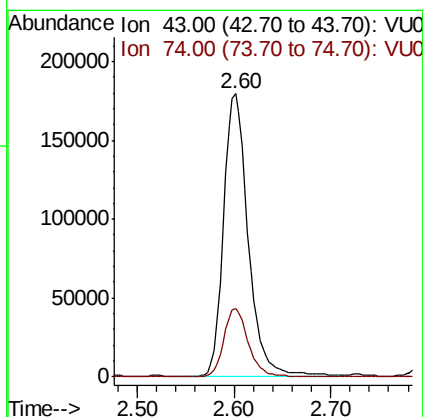
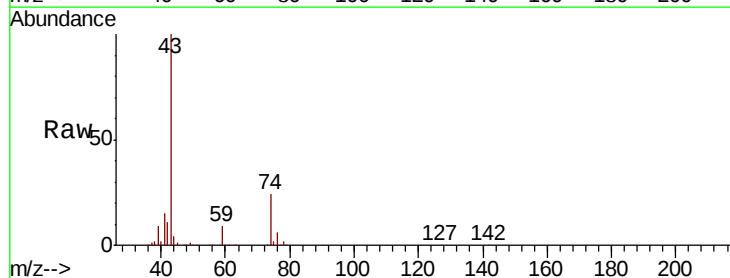
Instrument :
MSVOA_U
ClientSampleId :
BFB

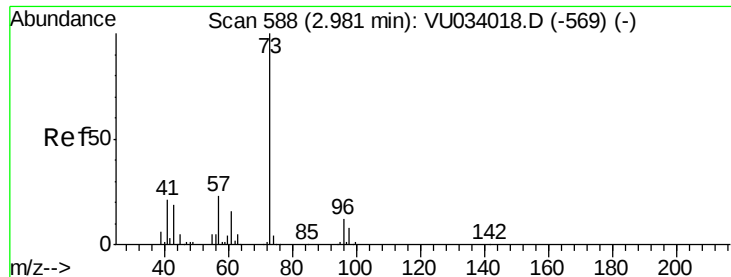
Tgt Ion: 76 Resp: 544074
Ion Ratio Lower Upper
76 100
78 9.1 7.1 10.7



#18
Methyl Acetate
Concen: 47.629 ug/l
RT: 2.60 min Scan# 470
Delta R.T. 0.00 min
Lab File: VU034187.D
Acq: 02 Sep 2019 09:13

Tgt Ion: 43 Resp: 315080
Ion Ratio Lower Upper
43 100
74 24.1 19.2 28.8





#19

Methyl tert-butyl Ether

Concen: 51.356 ug/l

RT: 2.98 min Scan# 588

Delta R.T. 0.00 min

Lab File: VU034187.D

Acq: 02 Sep 2019 09:13

Instrument :

MSVOA_U

ClientSampleId :

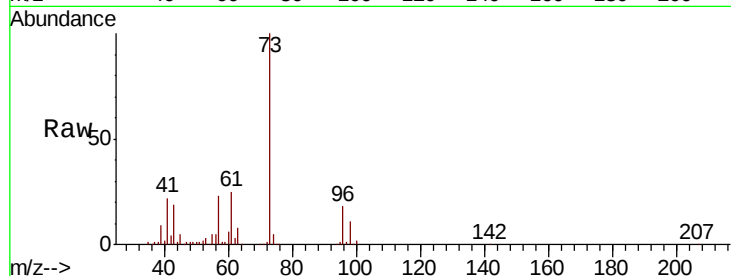
BFB

Tgt Ion: 73 Resp: 659575

Ion Ratio Lower Upper

73 100

57 23.3 18.3 27.5



Abundance Ion 73.00 (72.70 to 73.70): VU034187.D (-569) (-)

Ion 57.00 (56.70 to 57.70): VU034187.D (-569) (-)

2.98

300000

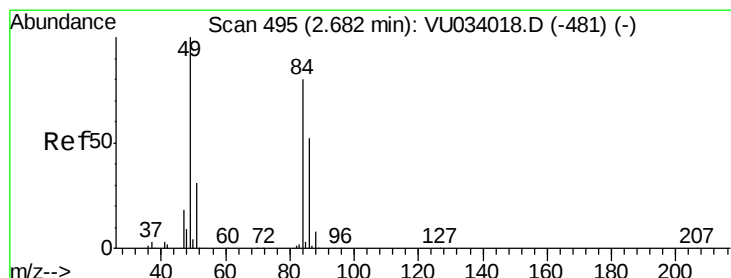
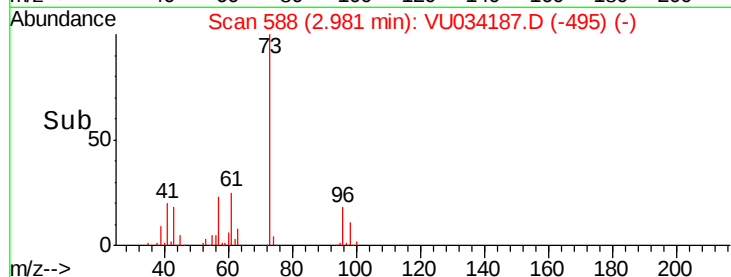
200000

100000

0

2.90 3.00 3.10

Time-->



#20

Methylene Chloride

Concen: 48.243 ug/l

RT: 2.69 min Scan# 496

Delta R.T. 0.00 min

Lab File: VU034187.D

Acq: 02 Sep 2019 09:13

Tgt Ion: 84 Resp: 233796

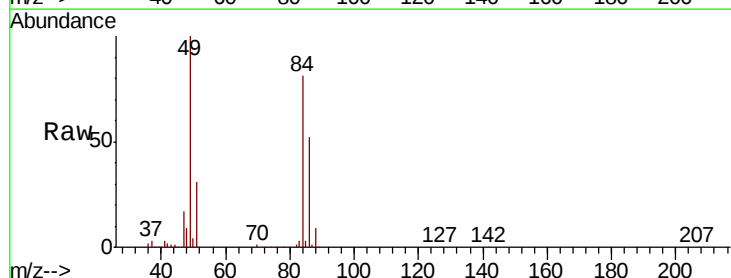
Ion Ratio Lower Upper

84 100

49 122.8 100.2 150.4

51 38.4 30.8 46.2

86 64.1 52.5 78.7



Abundance Ion 83.90 (83.60 to 84.60): VU034187.D (-481) (-)

Ion 48.90 (48.60 to 49.60): VU034187.D (-481) (-)

Ion 50.90 (50.60 to 51.60): VU034187.D (-481) (-)

Ion 85.90 (85.60 to 86.60): VU034187.D (-481) (-)

250000

200000

150000

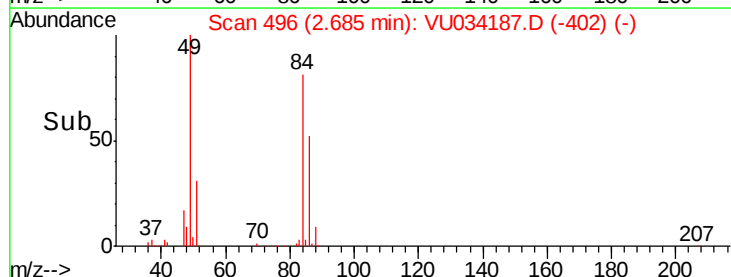
100000

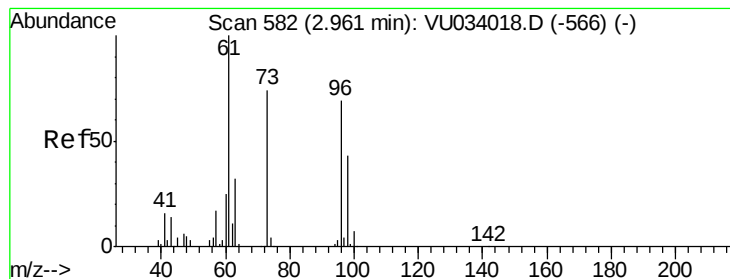
50000

0

2.60 2.65 2.70 2.75

Time-->





#21

trans-1,2-Dichloroethene

Concen: 49.081 ug/l

RT: 2.96 min Scan# 583

Delta R.T. 0.00 min

Lab File: VU034187.D

Acq: 02 Sep 2019 09:13

Instrument :

MSVOA_U

ClientSampled :

BFB

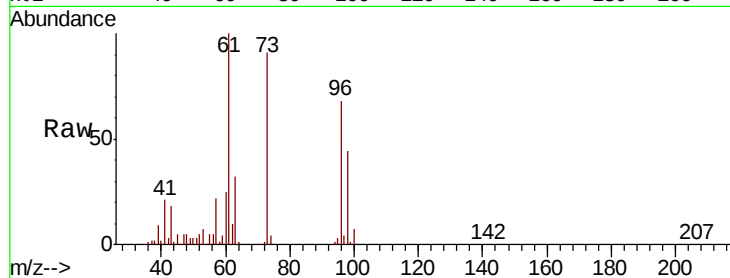
Tgt Ion: 96 Resp: 208795

Ion Ratio Lower Upper

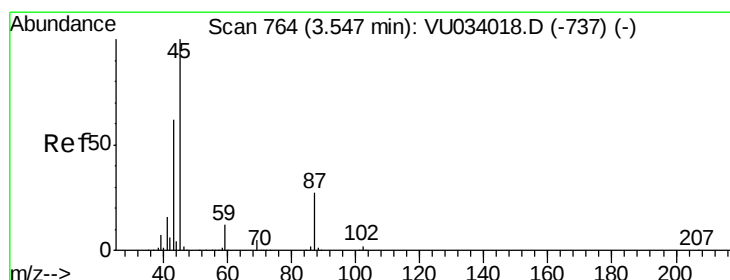
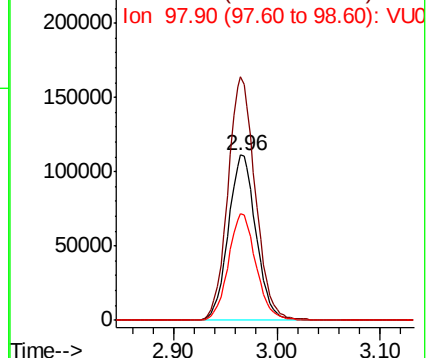
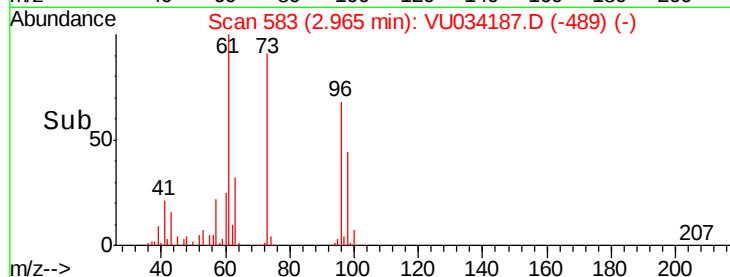
96 100

61 147.5 115.5 173.3

98 64.4 50.1 75.1



Abundance Ion 95.90 (95.60 to 96.60): VU034187.D (-489) (-)



#22

Diisopropyl ether

Concen: 51.924 ug/l

RT: 3.55 min Scan# 765

Delta R.T. 0.00 min

Lab File: VU034187.D

Acq: 02 Sep 2019 09:13

Tgt Ion: 45 Resp: 701220

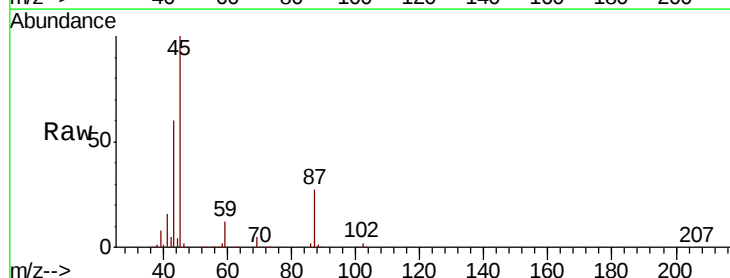
Ion Ratio Lower Upper

45 100

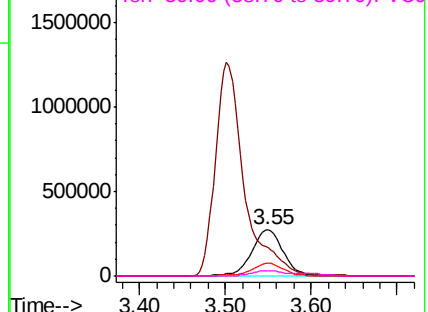
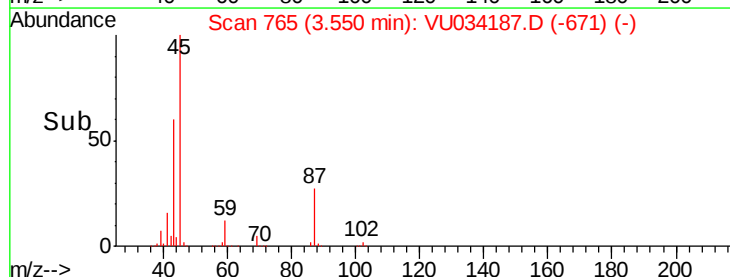
43 60.0 49.7 74.5

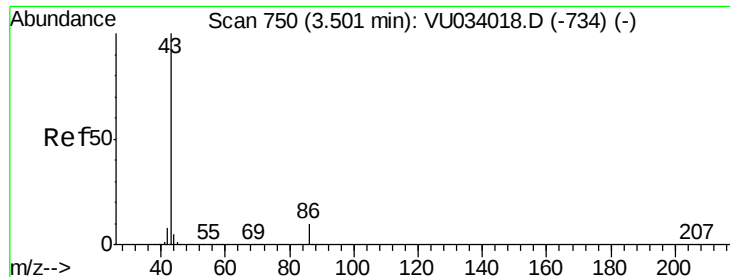
87 27.1 21.8 32.8

59 11.8 9.3 13.9



Abundance Ion 45.00 (44.70 to 45.70): VU034187.D (-671) (-)





#23

Vinyl Acetate

Concen: 256.541 ug/l

RT: 3.50 min Scan# 750

Delta R.T. 0.00 min

Lab File: VU034187.D

Acq: 02 Sep 2019 09:13

Instrument :

MSVOA_U

ClientSampled :

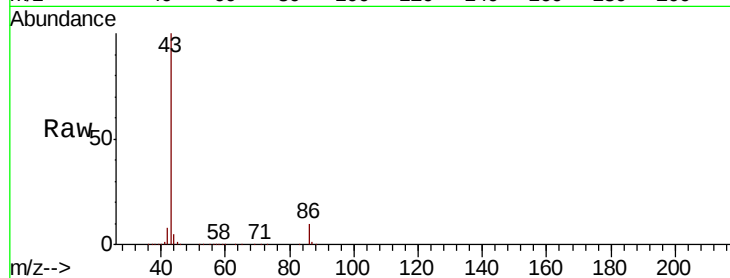
BFB

Tgt Ion: 43 Resp: 2976116

Ion Ratio Lower Upper

43 100

86 10.2 8.3 12.5



Abundance Ion 43.00 (42.70 to 43.70): VU034187.D (-657) (-)

Ion 86.00 (85.70 to 86.70): VU034187.D (-657) (-)

3.50

1500000

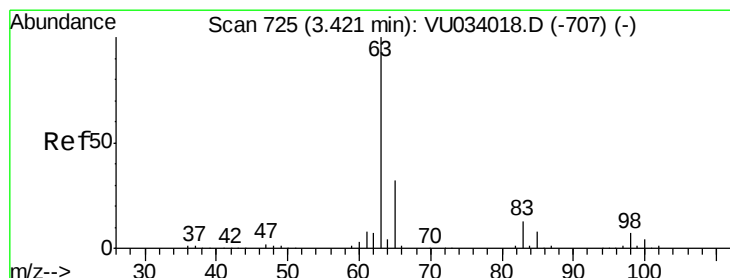
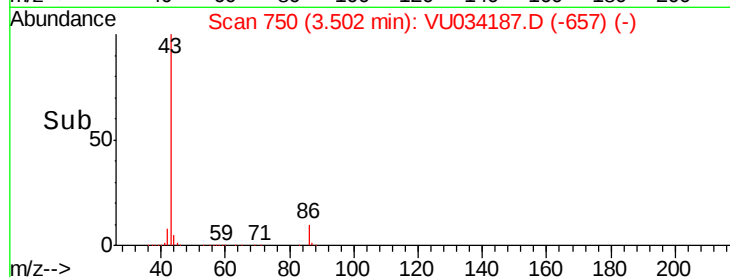
1000000

500000

0

Time-->

3.40 3.50 3.60 3.70



#24

1,1-Dichloroethane

Concen: 50.604 ug/l

RT: 3.42 min Scan# 726

Delta R.T. 0.00 min

Lab File: VU034187.D

Acq: 02 Sep 2019 09:13

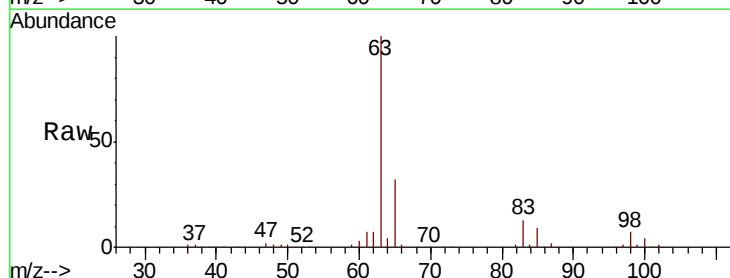
Tgt Ion: 63 Resp: 403469

Ion Ratio Lower Upper

63 100

98 6.7 3.3 9.8

100 4.1 2.0 6.0



Abundance Ion 62.90 (62.60 to 63.60): VU034187.D (-632) (-)

Ion 97.90 (97.60 to 98.60): VU034187.D (-632) (-)

Ion 99.90 (99.60 to 100.60): VU034187.D (-632) (-)

250000

200000

150000

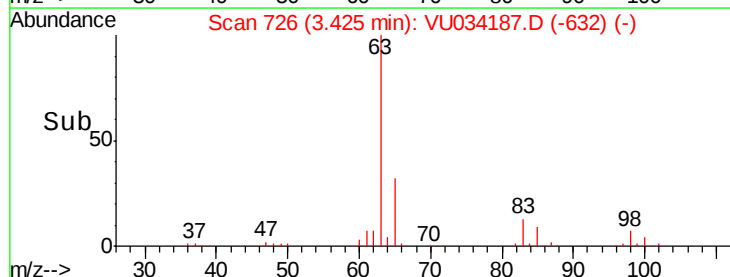
100000

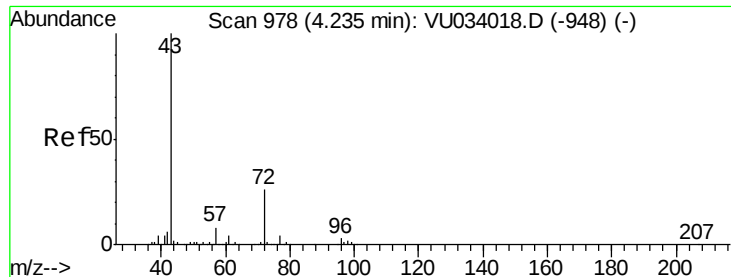
50000

0

Time-->

3.30 3.40 3.50





#25

2-Butanone

Concen: 272.220 ug/l

RT: 4.23 min Scan# 978

Delta R.T. 0.00 min

Lab File: VU034187.D

Acq: 02 Sep 2019 09:13

Instrument :

MSVOA_U

ClientSampled :

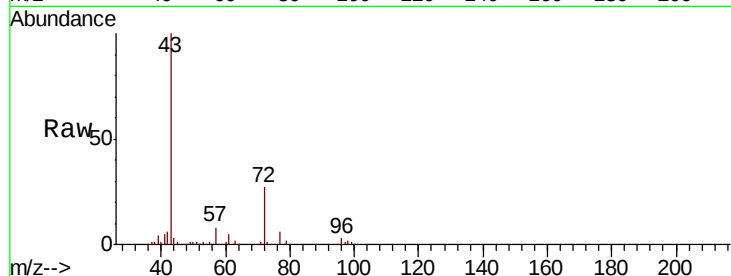
BFB

Tgt Ion: 43 Resp: 969522

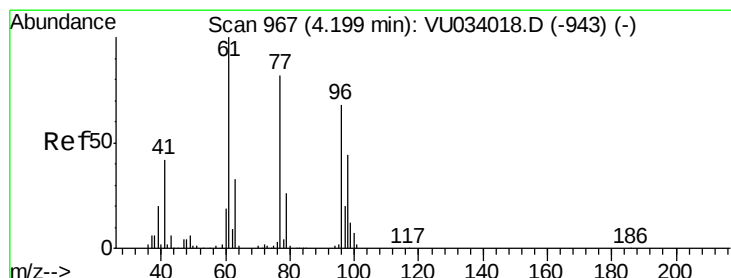
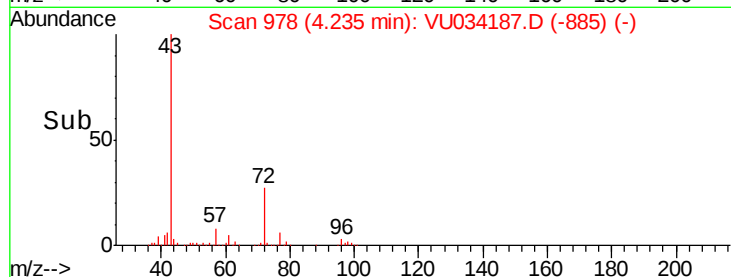
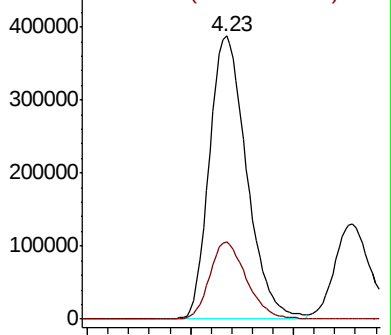
Ion Ratio Lower Upper

43 100

72 27.2 21.2 31.8



Abundance Ion 43.00 (42.70 to 43.70): VU034187.D (-948) (-)



#26

2,2-Dichloropropane

Concen: 50.267 ug/l

RT: 4.20 min Scan# 968

Delta R.T. 0.00 min

Lab File: VU034187.D

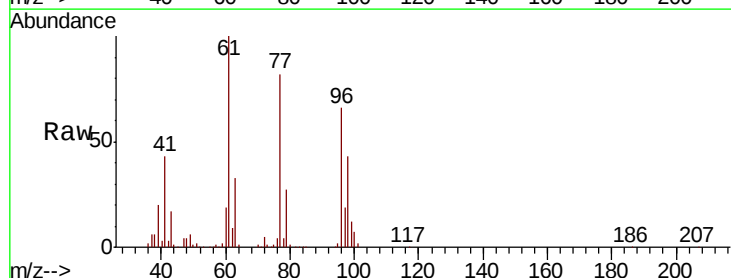
Acq: 02 Sep 2019 09:13

Tgt Ion: 77 Resp: 326114

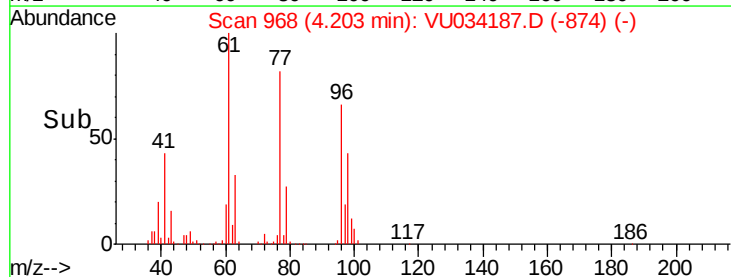
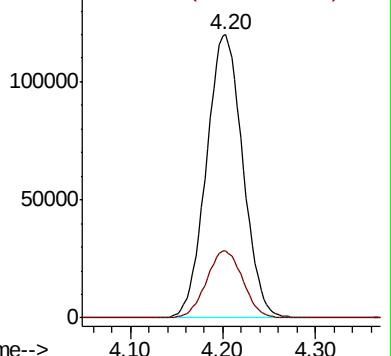
Ion Ratio Lower Upper

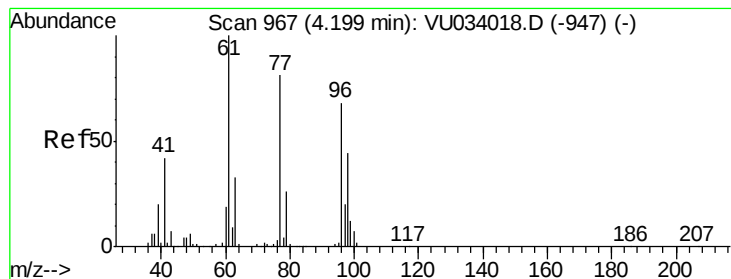
77 100

97 23.7 11.6 34.7



Abundance Ion 76.90 (76.60 to 77.60): VU034187.D (-943) (-)



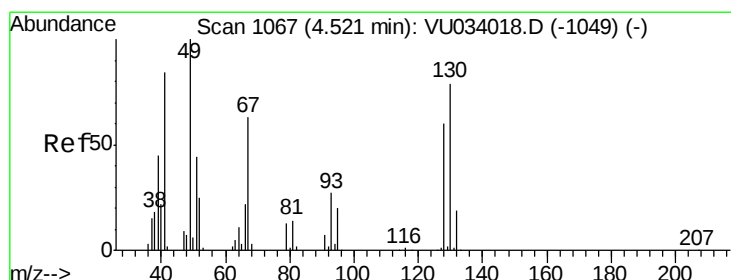
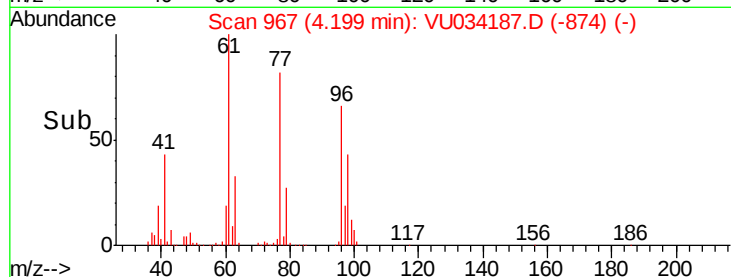
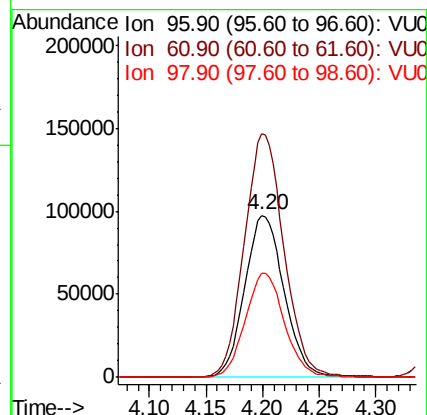
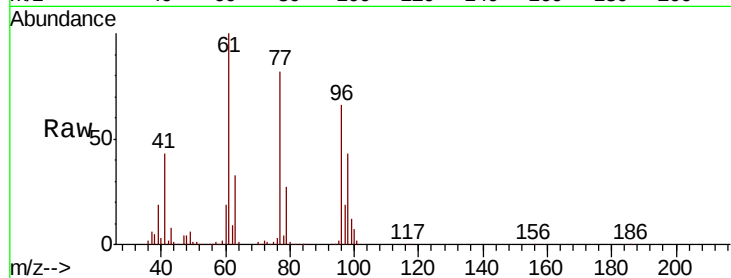


#27

cis-1,2-Dichloroethene
Concen: 49.370 ug/l
RT: 4.20 min Scan# 967
Delta R.T. 0.00 min
Lab File: VU034187.D
Acq: 02 Sep 2019 09:13

Instrument :
MSVOA_U
ClientSampled :
BFB

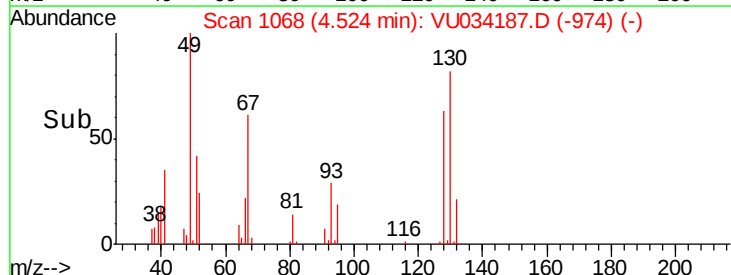
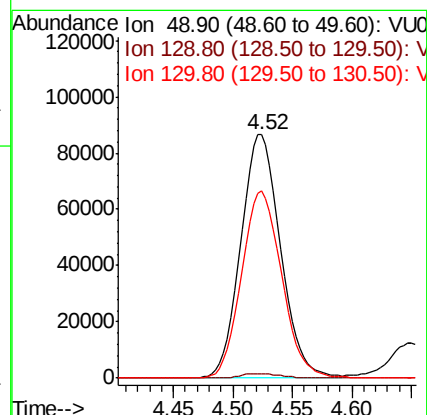
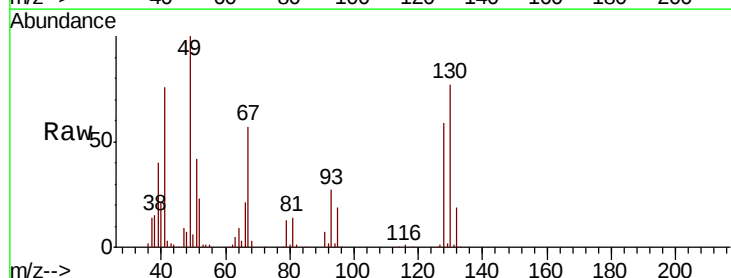
Tgt Ion: 96 Resp: 235737
Ion Ratio Lower Upper
96 100
61 151.8 0.0 303.0
98 64.2 0.0 129.2

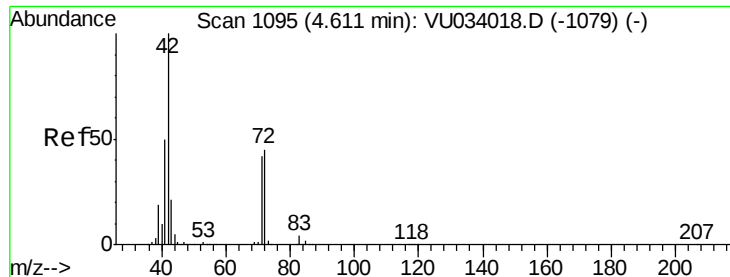


#28

Bromochloromethane
Concen: 51.050 ug/l
RT: 4.52 min Scan# 1068
Delta R.T. 0.00 min
Lab File: VU034187.D
Acq: 02 Sep 2019 09:13

Tgt Ion: 49 Resp: 200533
Ion Ratio Lower Upper
49 100
129 0.9 0.0 3.6
130 77.6 62.8 94.2

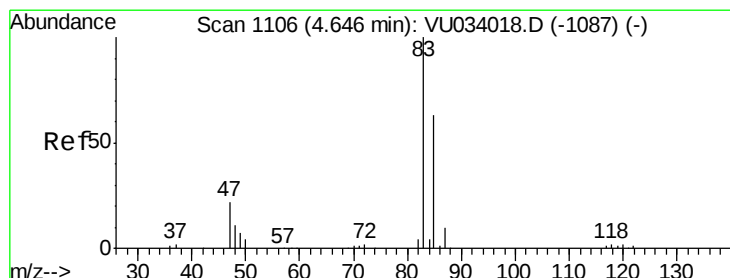
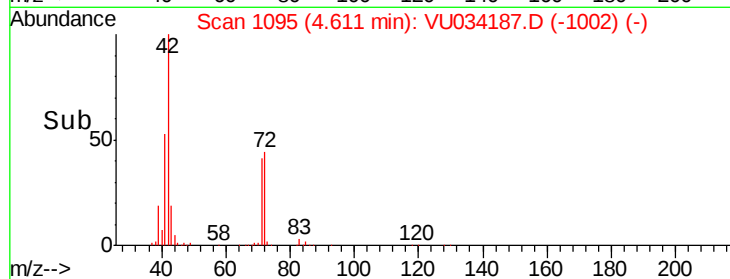
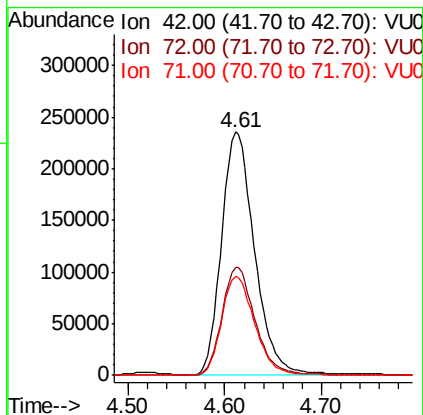
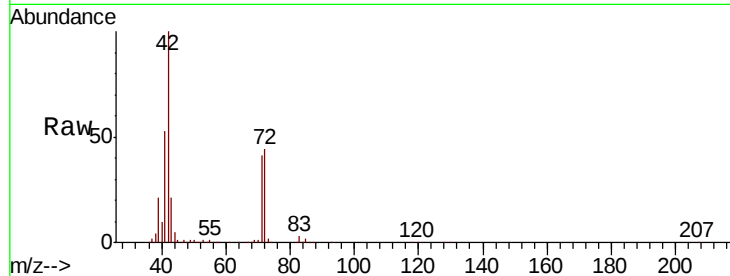




#29
Tetrahydrofuran
Concen: 253.726 ug/l
RT: 4.61 min Scan# 1095
Delta R.T. 0.00 min
Lab File: VU034187.D
Acq: 02 Sep 2019 09:13

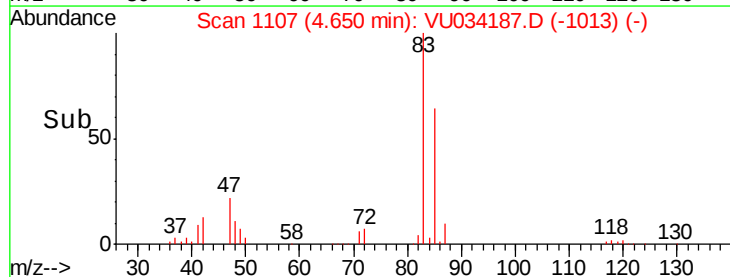
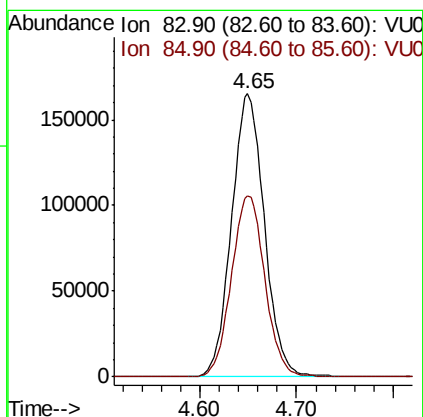
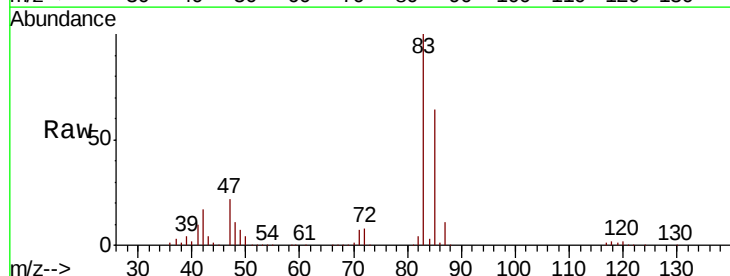
Instrument :
MSVOA_U
ClientSampleId :
BFB

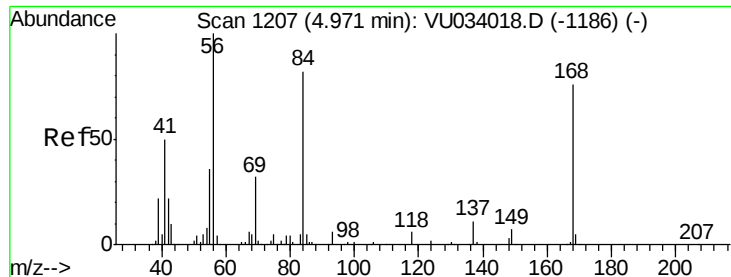
Tgt Ion: 42 Resp: 557282
Ion Ratio Lower Upper
42 100
72 44.4 35.8 53.6
71 40.7 34.0 51.0



#30
Chloroform
Concen: 48.974 ug/l
RT: 4.65 min Scan# 1107
Delta R.T. 0.00 min
Lab File: VU034187.D
Acq: 02 Sep 2019 09:13

Tgt Ion: 83 Resp: 389585
Ion Ratio Lower Upper
83 100
85 63.9 50.7 76.1

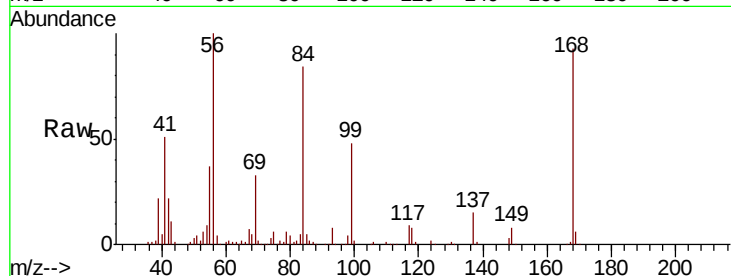




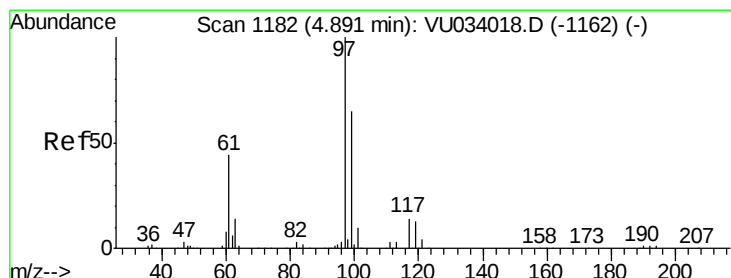
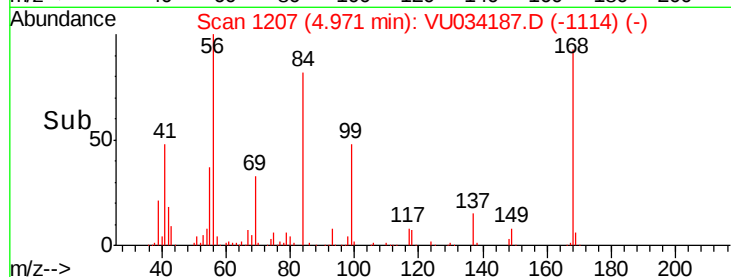
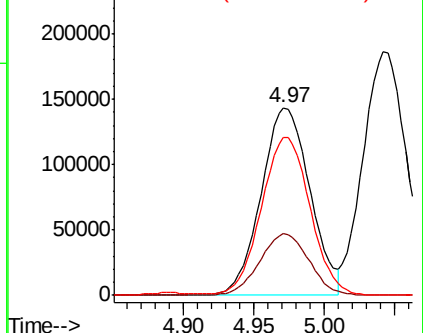
#31
Cyclohexane
Concen: 46.254 ug/l
RT: 4.97 min Scan# 1207
Delta R.T. 0.00 min
Lab File: VU034187.D
Acq: 02 Sep 2019 09:13

Instrument :
MSVOA_U
ClientSampled :
BFB

Tgt Ion: 56 Resp: 346530
Ion Ratio Lower Upper
56 100
69 32.7 25.4 38.0
84 82.9 65.8 98.8

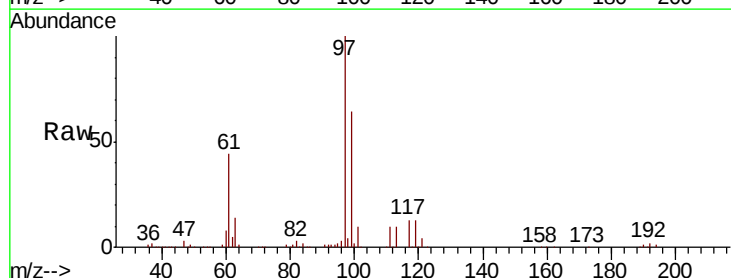


Abundance Ion 56.00 (55.70 to 56.70): VU0
Ion 69.00 (68.70 to 69.70): VU0
Ion 84.00 (83.70 to 84.70): VU0

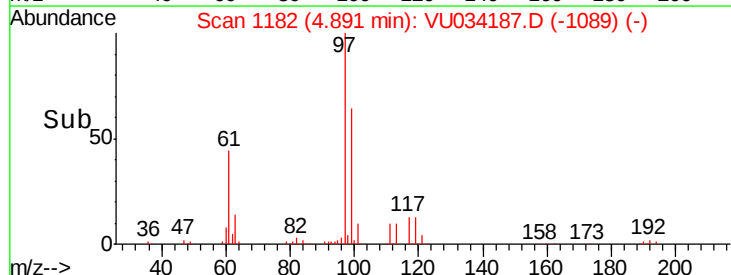
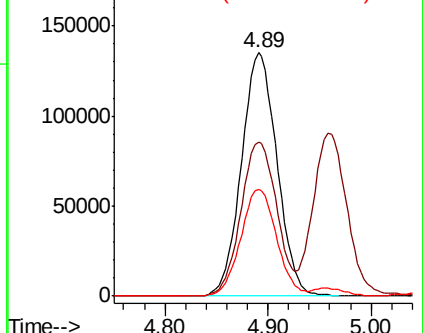


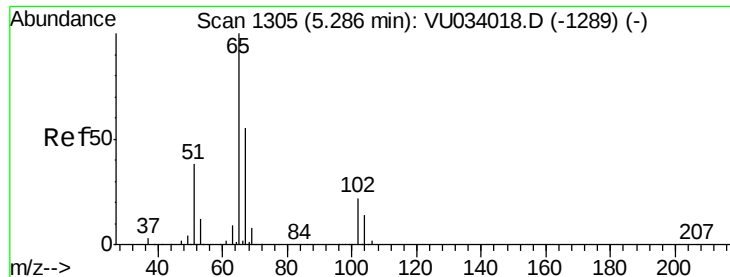
#32
1,1,1-Trichloroethane
Concen: 49.716 ug/l
RT: 4.89 min Scan# 1182
Delta R.T. 0.00 min
Lab File: VU034187.D
Acq: 02 Sep 2019 09:13

Tgt Ion: 97 Resp: 323907
Ion Ratio Lower Upper
97 100
99 64.0 51.8 77.6
61 44.5 35.3 52.9



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

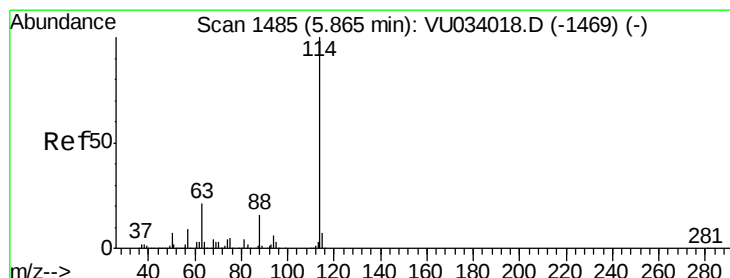
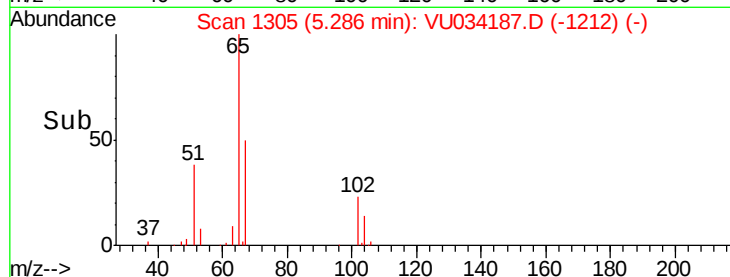
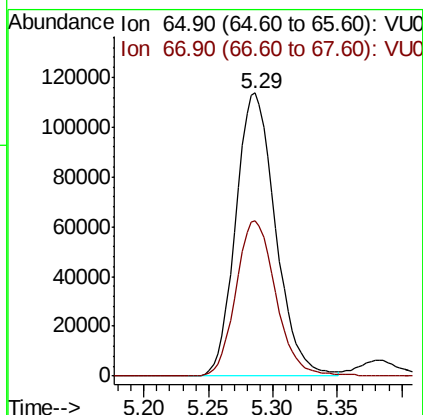
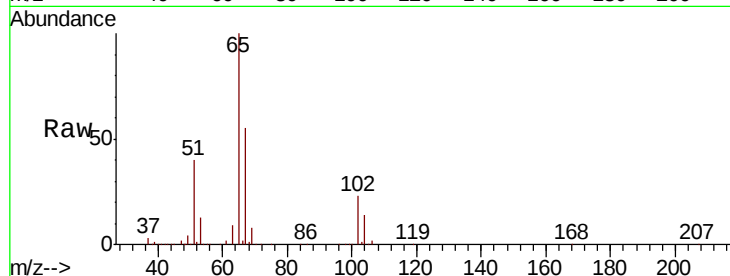




#33
 1,2-Dichloroethane-d4
 Concen: 48.749 ug/l
 RT: 5.29 min Scan# 1305
 Delta R.T. 0.00 min
 Lab File: VU034187.D
 Acq: 02 Sep 2019 09:13

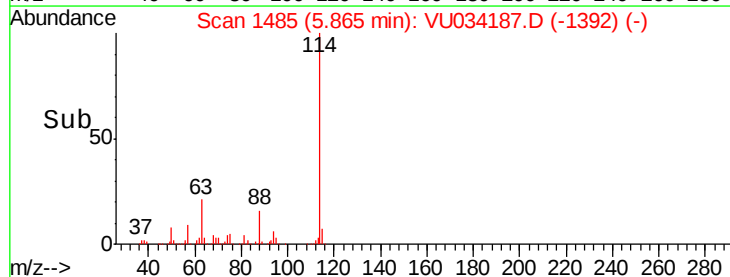
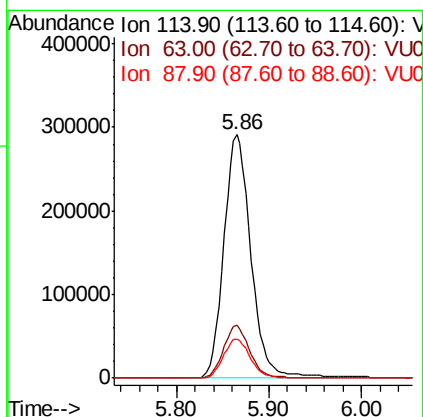
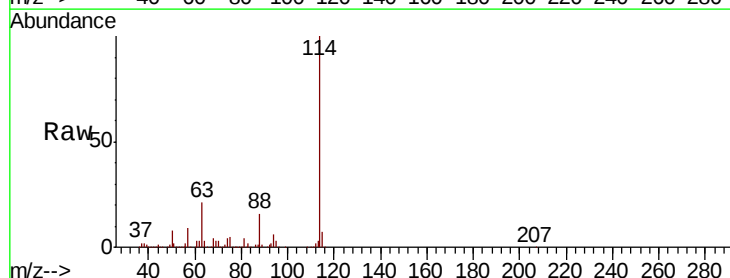
Instrument :
 MSVOA_U
 ClientSampleId :
 BFB

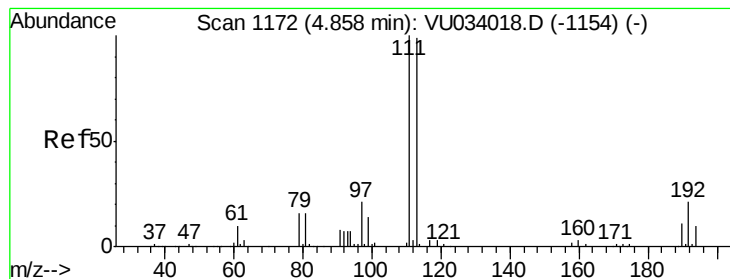
Tgt Ion: 65 Resp: 244576
 Ion Ratio Lower Upper
 65 100
 67 54.7 0.0 110.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.86 min Scan# 1485
 Delta R.T. 0.00 min
 Lab File: VU034187.D
 Acq: 02 Sep 2019 09:13

Tgt Ion: 114 Resp: 587624
 Ion Ratio Lower Upper
 114 100
 63 21.5 0.0 42.0
 88 16.0 0.0 32.0





#35

Dibromofluoromethane

Concen: 51.374 ug/l

RT: 4.86 min Scan# 1172

Delta R.T. 0.00 min

Lab File: VU034187.D

Acq: 02 Sep 2019 09:13

Instrument :
MSVOA_U
ClientSampleId :
BFB

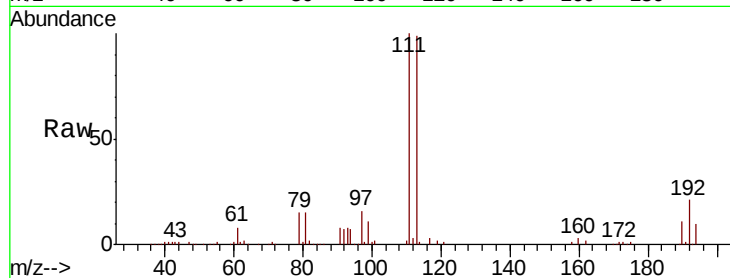
Tgt Ion: 113 Resp: 209385

Ion Ratio Lower Upper

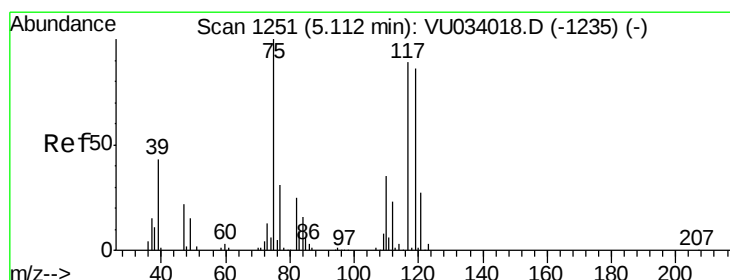
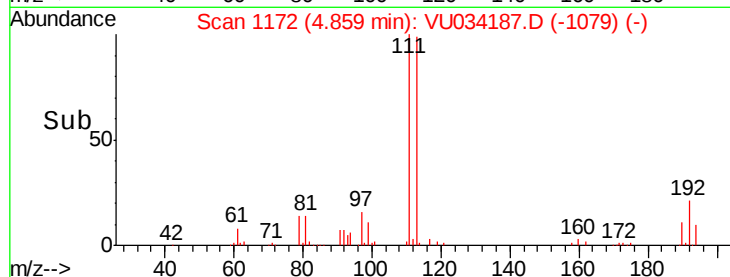
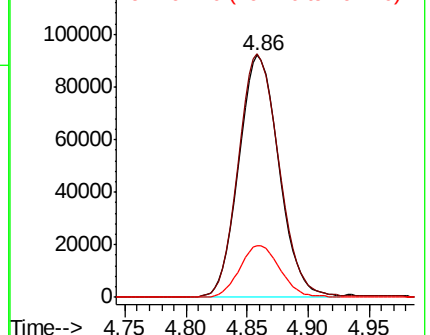
113 100

111 101.8 81.7 122.5

192 21.6 17.1 25.7



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



#36

1,1-Dichloropropene

Concen: 51.176 ug/l

RT: 5.11 min Scan# 1251

Delta R.T. 0.00 min

Lab File: VU034187.D

Acq: 02 Sep 2019 09:13

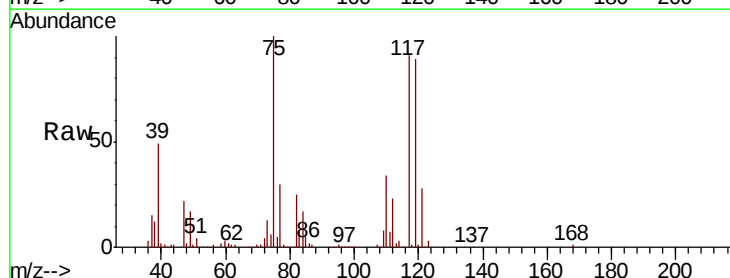
Tgt Ion: 75 Resp: 284448

Ion Ratio Lower Upper

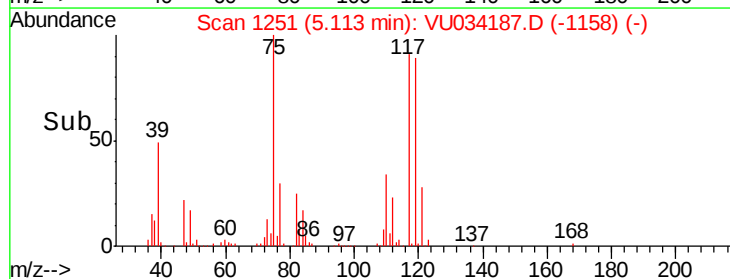
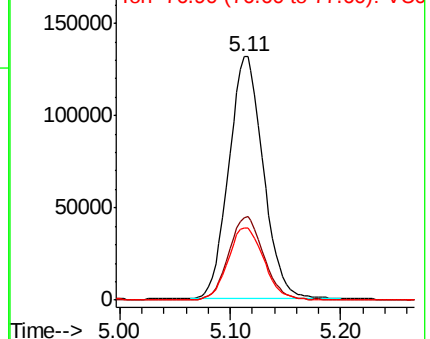
75 100

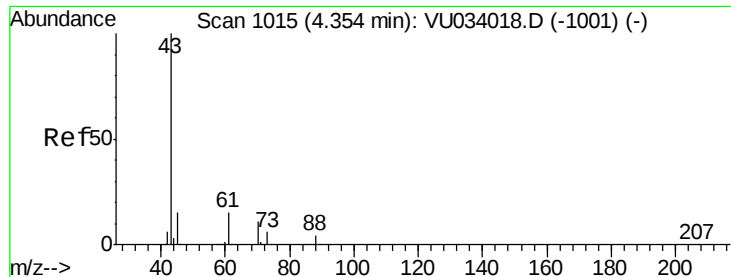
110 35.1 17.8 53.5

77 30.5 25.0 37.4



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

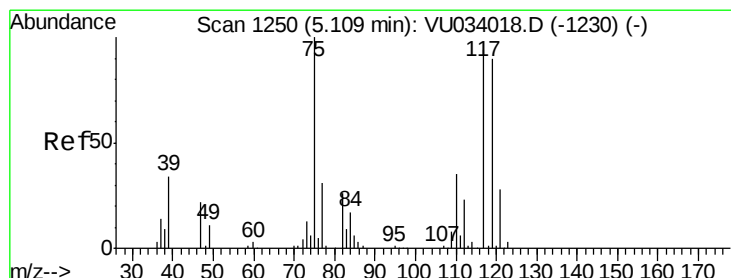
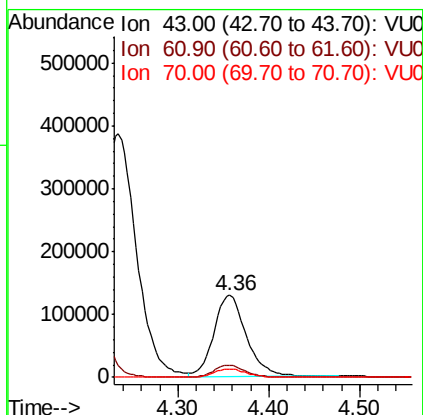
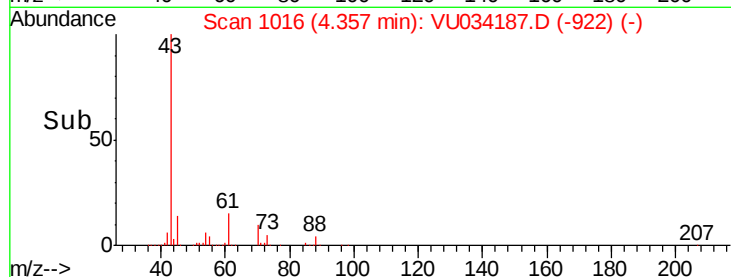
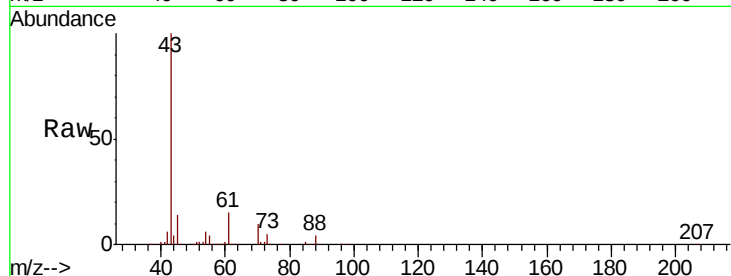




#37
Ethyl Acetate
Concen: 51.481 ug/l
RT: 4.36 min Scan# 1016
Delta R.T. 0.00 min
Lab File: VU034187.D
Acq: 02 Sep 2019 09:13

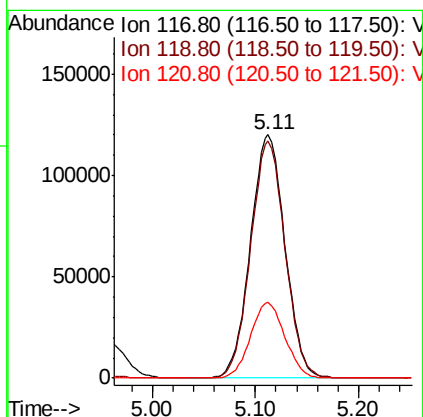
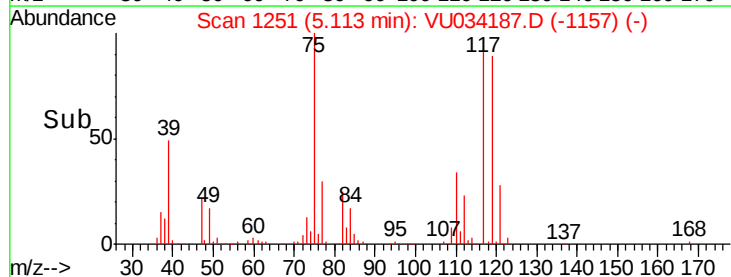
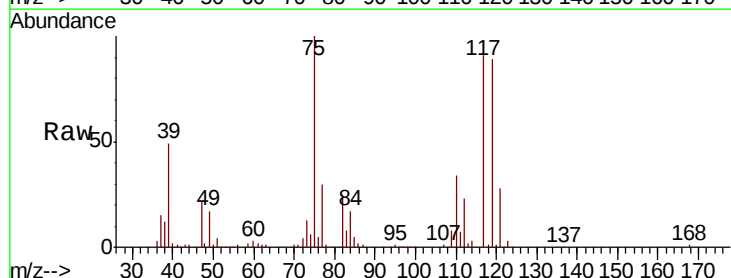
Instrument :
MSVOA_U
ClientSampled :
BFB

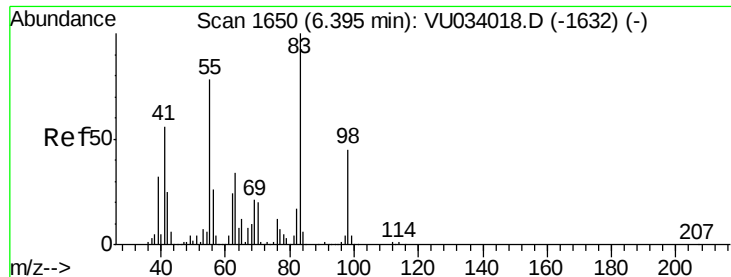
Tgt Ion: 43 Resp: 320424
Ion Ratio Lower Upper
43 100
61 14.3 11.5 17.3
70 10.7 8.6 12.8



#38
Carbon Tetrachloride
Concen: 51.853 ug/l
RT: 5.11 min Scan# 1251
Delta R.T. 0.00 min
Lab File: VU034187.D
Acq: 02 Sep 2019 09:13

Tgt Ion: 117 Resp: 278195
Ion Ratio Lower Upper
117 100
119 97.5 77.0 115.4
121 31.1 23.9 35.9

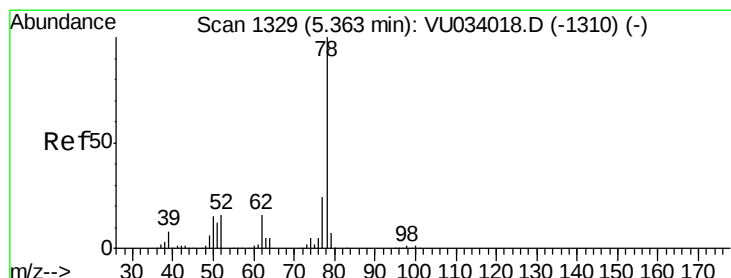
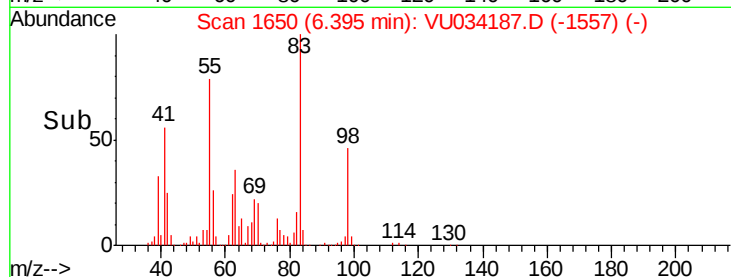
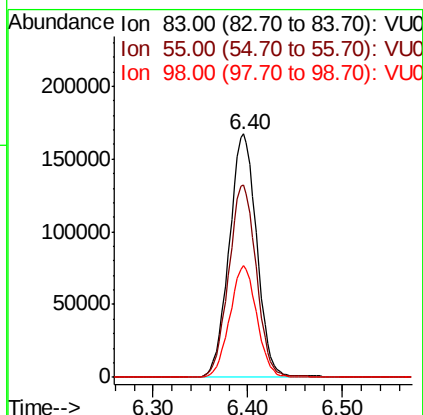
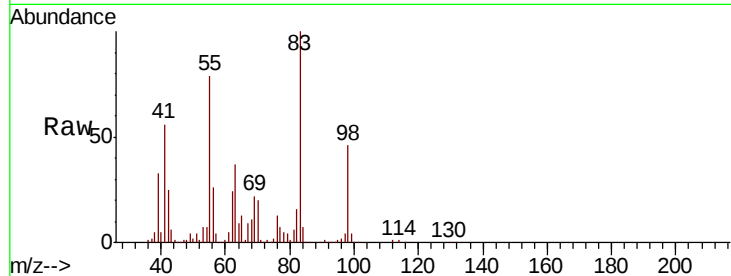




#39
Methylcyclohexane
Concen: 51.780 ug/l
RT: 6.40 min Scan# 1650
Delta R.T. 0.00 min
Lab File: VU034187.D
Acq: 02 Sep 2019 09:13

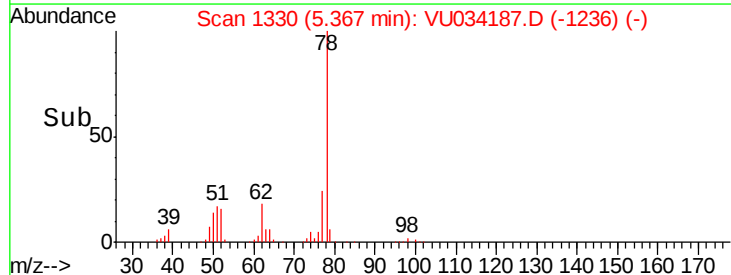
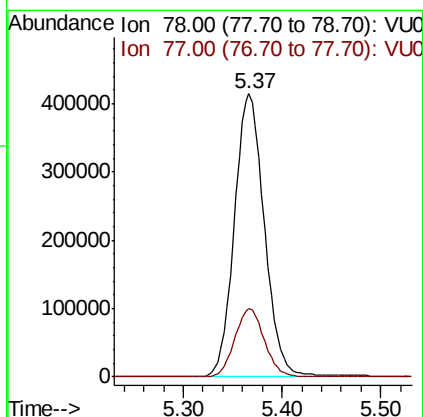
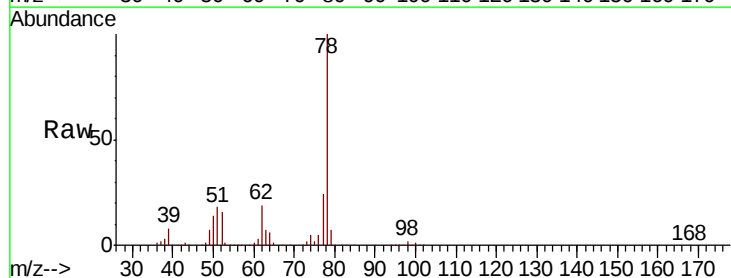
Instrument :
MSVOA_U
ClientSampleId :
BFB

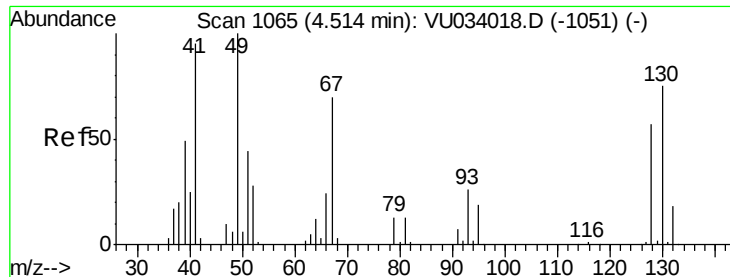
Tgt Ion	Ratio	Lower	Upper
83	100		
55	78.9	62.3	93.5
98	45.8	36.2	54.2



#40
Benzene
Concen: 52.095 ug/l
RT: 5.37 min Scan# 1330
Delta R.T. 0.00 min
Lab File: VU034187.D
Acq: 02 Sep 2019 09:13

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.9	19.0	28.6

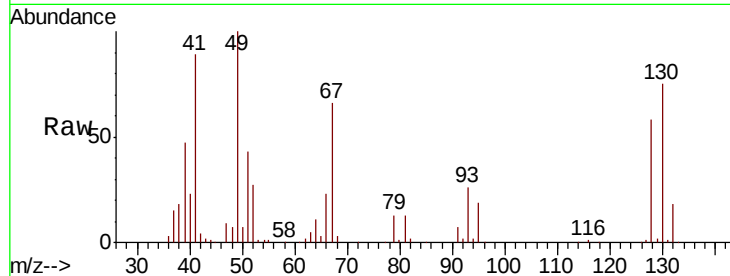




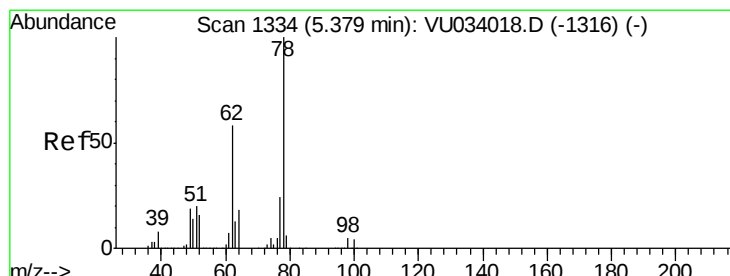
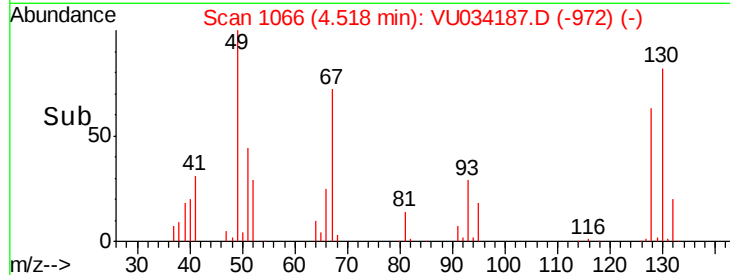
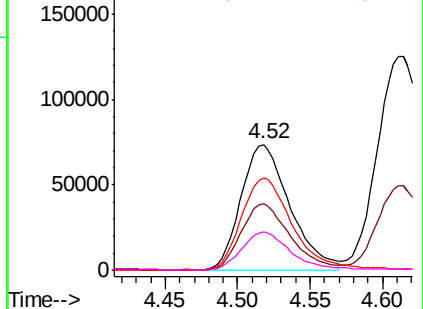
#41
Methacrylonitrile
Concen: 53.915 ug/l
RT: 4.52 min Scan# 1066
Delta R.T. 0.00 min
Lab File: VU034187.D
Acq: 02 Sep 2019 09:13

Instrument :
MSVOA_U
ClientSampleId :
BFB

Tgt Ion: 41 Resp: 172101
Ion Ratio Lower Upper
41 100
39 53.3 42.1 63.1
67 78.0 61.0 91.4
52 29.6 23.3 34.9

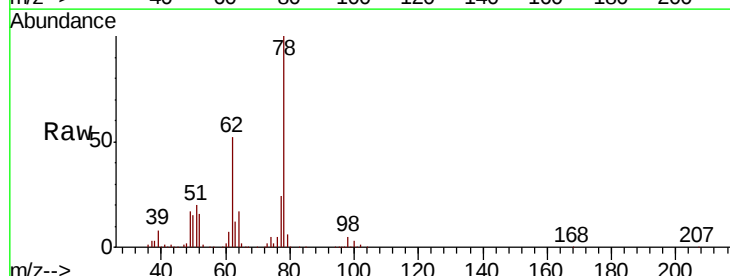


Abundance Ion 41.00 (40.70 to 41.70): VU0
Ion 39.00 (38.70 to 39.70): VU0
Ion 67.00 (66.70 to 67.70): VU0
Ion 52.00 (51.70 to 52.70): VU0

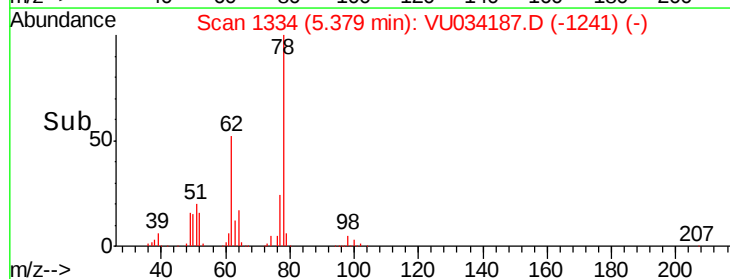
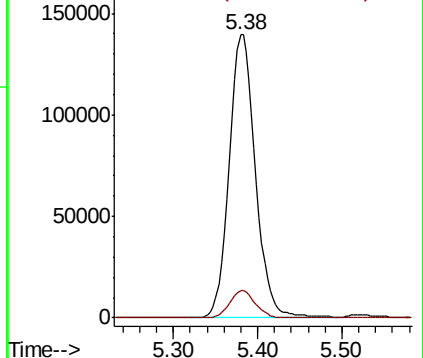


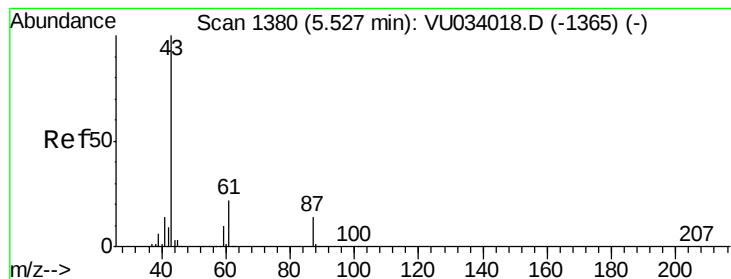
#42
1,2-Dichloroethane
Concen: 52.001 ug/l
RT: 5.38 min Scan# 1334
Delta R.T. 0.00 min
Lab File: VU034187.D
Acq: 02 Sep 2019 09:13

Tgt Ion: 62 Resp: 301972
Ion Ratio Lower Upper
62 100
98 9.5 0.0 18.2



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





#43

Isopropyl Acetate

Concen: 51.498 ug/l

RT: 5.53 min Scan# 1380

Delta R.T. 0.00 min

Lab File: VU034187.D

Acq: 02 Sep 2019 09:13

Instrument :

MSVOA_U

ClientSampleId :

BFB

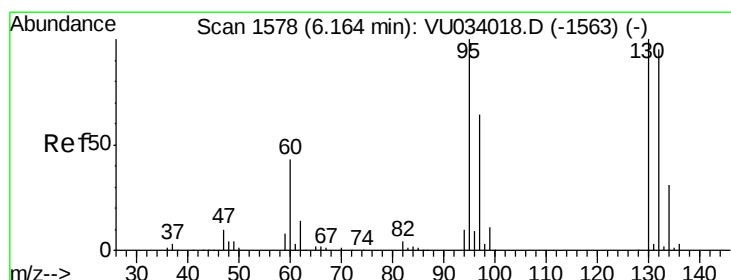
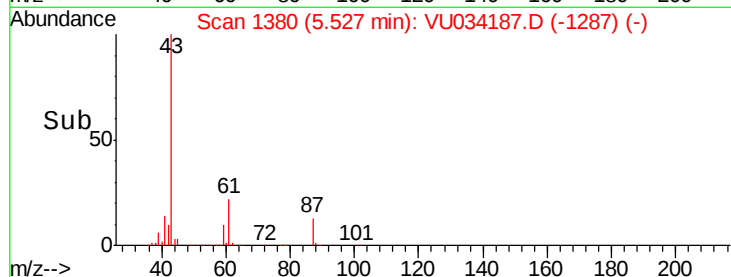
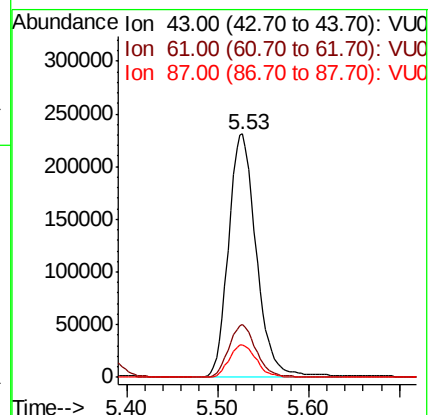
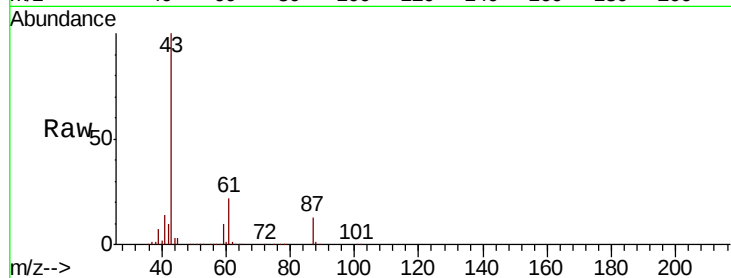
Tgt Ion: 43 Resp: 487639

Ion Ratio Lower Upper

43 100

61 21.2 17.2 25.8

87 13.3 10.8 16.2



#44

Trichloroethene

Concen: 52.750 ug/l

RT: 6.16 min Scan# 1578

Delta R.T. 0.00 min

Lab File: VU034187.D

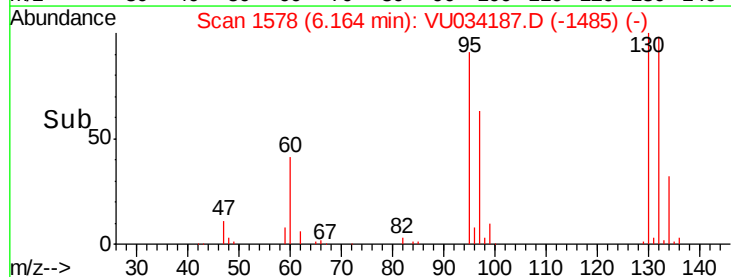
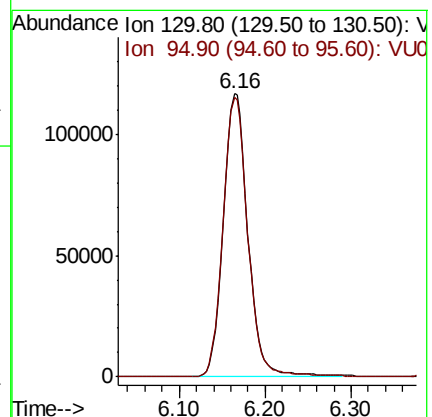
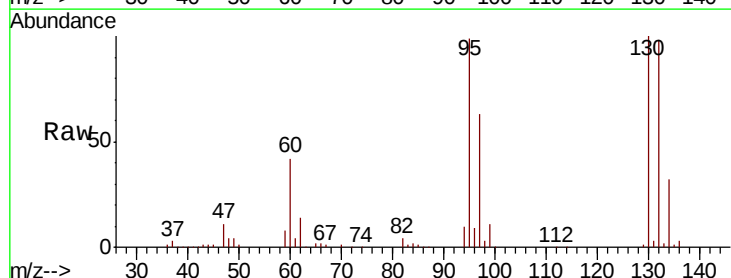
Acq: 02 Sep 2019 09:13

Tgt Ion: 130 Resp: 232946

Ion Ratio Lower Upper

130 100

95 98.8 0.0 199.6





#45

1,2-Dichloropropane

Concen: 53.263 ug/l

RT: 6.41 min Scan# 1655

Delta R.T. 0.00 min

Lab File: VU034187.D

Acq: 02 Sep 2019 09:13

Instrument :

MSVOA_U

ClientSampleId :

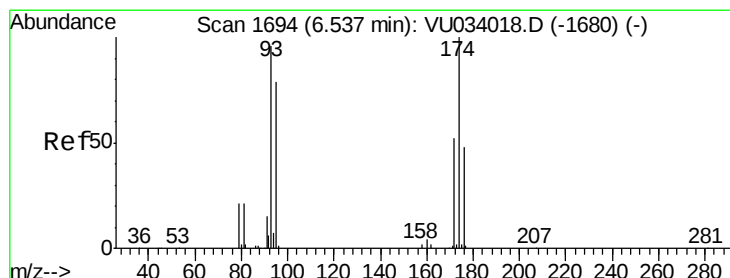
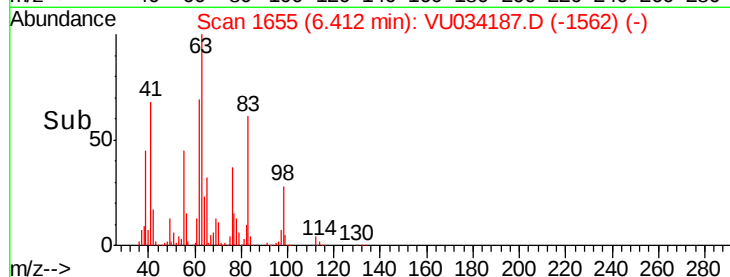
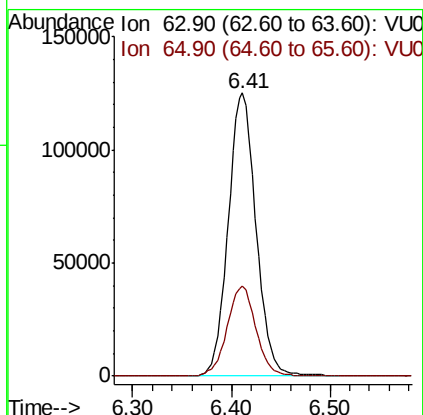
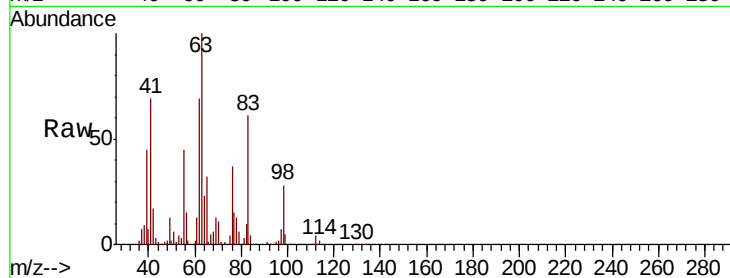
BFB

Tgt Ion: 63 Resp: 246565

Ion Ratio Lower Upper

63 100

65 31.7 25.4 38.2



#46

Dibromomethane

Concen: 53.208 ug/l

RT: 6.54 min Scan# 1694

Delta R.T. 0.00 min

Lab File: VU034187.D

Acq: 02 Sep 2019 09:13

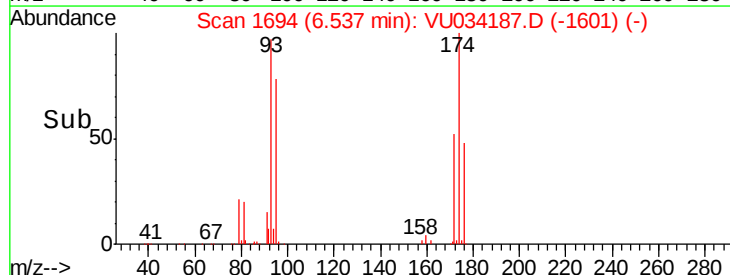
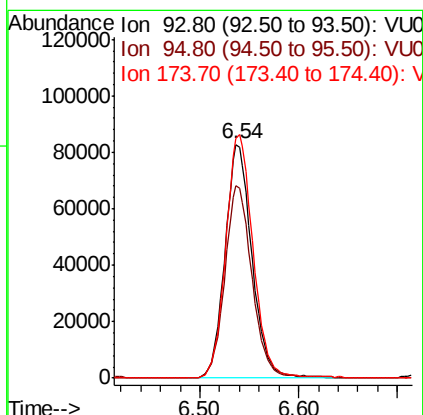
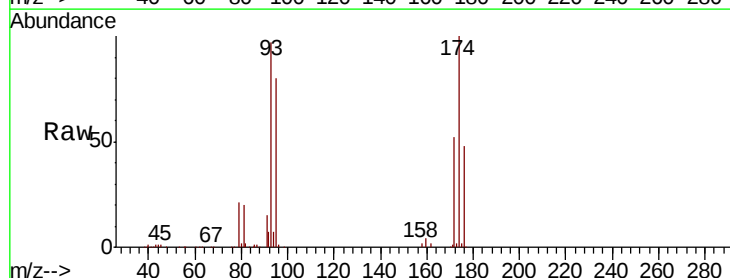
Tgt Ion: 93 Resp: 158688

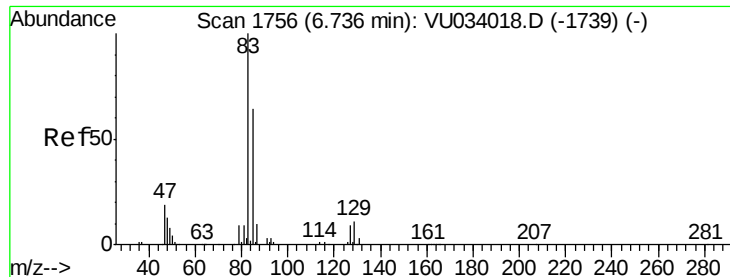
Ion Ratio Lower Upper

93 100

95 82.3 66.7 100.1

174 104.9 84.9 127.3





#47

Bromodichloromethane

Concen: 53.280 ug/l

RT: 6.74 min Scan# 1756

Delta R.T. 0.00 min

Lab File: VU034187.D

Acq: 02 Sep 2019 09:13

Instrument :

MSVOA_U

ClientSampleId :

BFB

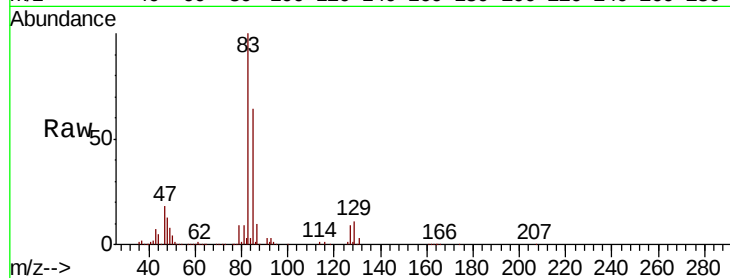
Tgt Ion: 83 Resp: 310886

Ion Ratio Lower Upper

83 100

85 63.5 51.2 76.8

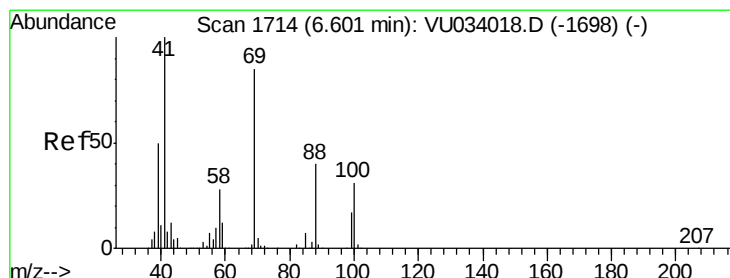
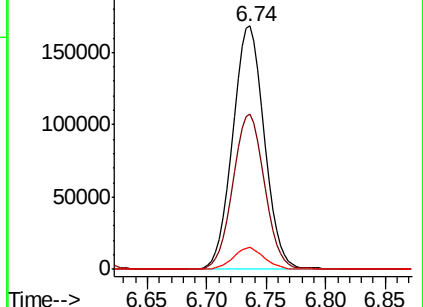
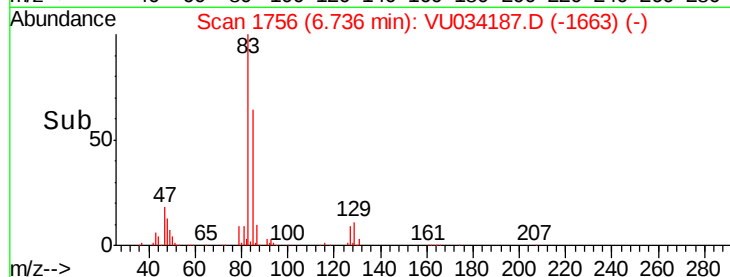
127 8.8 7.0 10.6



Abundance Ion 82.90 (82.60 to 83.60): VU034187.D (-1663) (-)

Ion 84.90 (84.60 to 85.60): VU034187.D (-1663) (-)

Ion 126.80 (126.50 to 127.50): VU034187.D (-1663) (-)



#48

Methyl methacrylate

Concen: 51.816 ug/l

RT: 6.60 min Scan# 1714

Delta R.T. 0.00 min

Lab File: VU034187.D

Acq: 02 Sep 2019 09:13

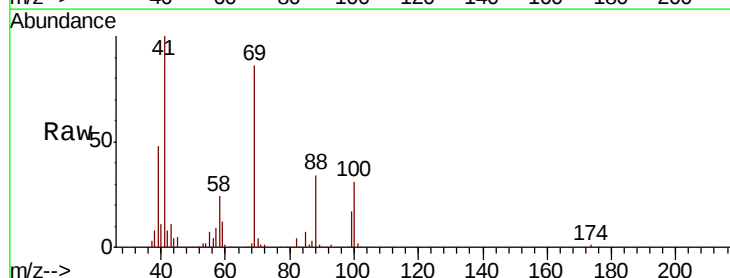
Tgt Ion: 41 Resp: 236764

Ion Ratio Lower Upper

41 100

69 89.1 69.5 104.3

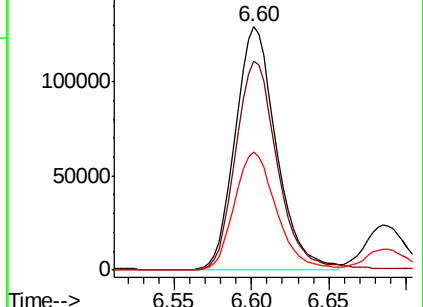
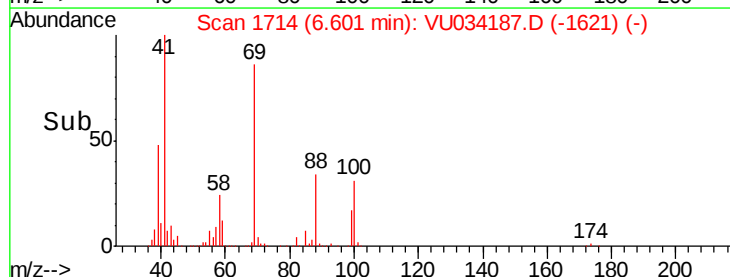
39 49.3 40.3 60.5



Abundance Ion 41.00 (40.70 to 41.70): VU034187.D (-1621) (-)

Ion 69.00 (68.70 to 69.70): VU034187.D (-1621) (-)

Ion 39.00 (38.70 to 39.70): VU034187.D (-1621) (-)

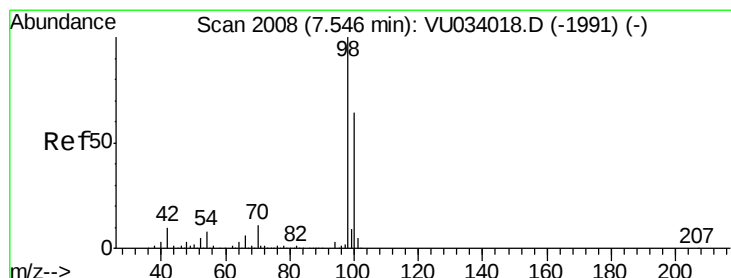
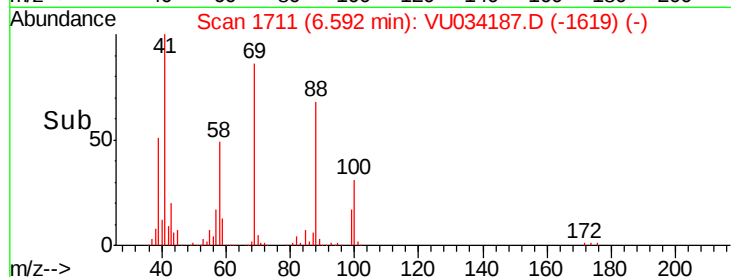
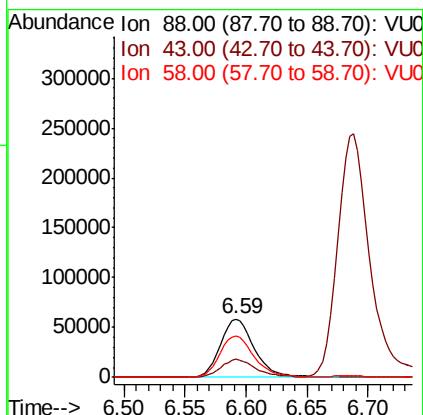
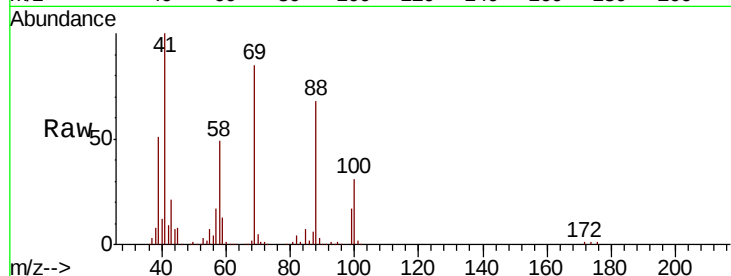




#49
 1,4-Dioxane
 Concen: 977.819 ug/l
 RT: 6.59 min Scan# 1711
 Delta R.T. -0.00 min
 Lab File: VU034187.D
 Acq: 02 Sep 2019 09:13

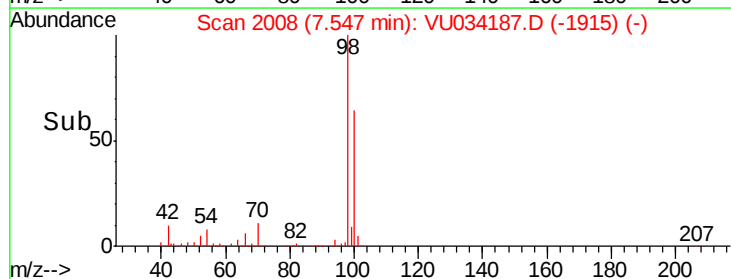
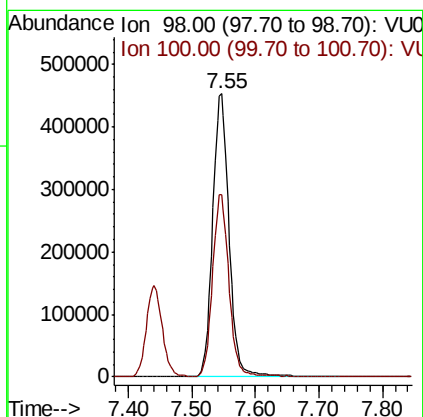
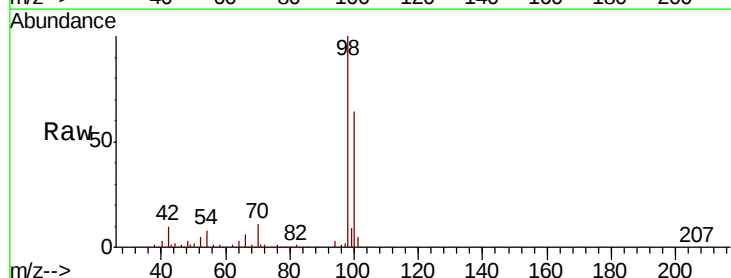
Instrument :
 MSVOA_U
 ClientSampleId :
 BFB

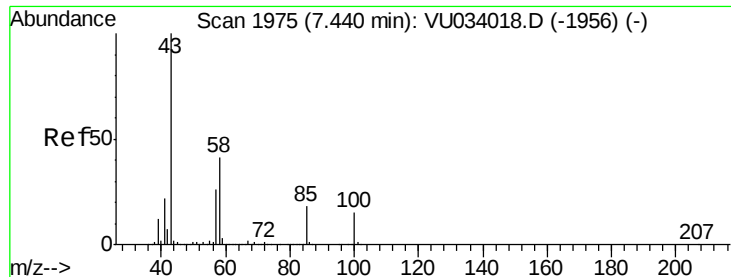
Tgt Ion: 88 Resp: 111948
 Ion Ratio Lower Upper
 88 100
 43 30.6 24.8 37.2
 58 74.0 59.3 88.9



#50
 Toluene-d8
 Concen: 53.159 ug/l
 RT: 7.55 min Scan# 2008
 Delta R.T. 0.00 min
 Lab File: VU034187.D
 Acq: 02 Sep 2019 09:13

Tgt Ion: 98 Resp: 811265
 Ion Ratio Lower Upper
 98 100
 100 63.5 50.3 75.5

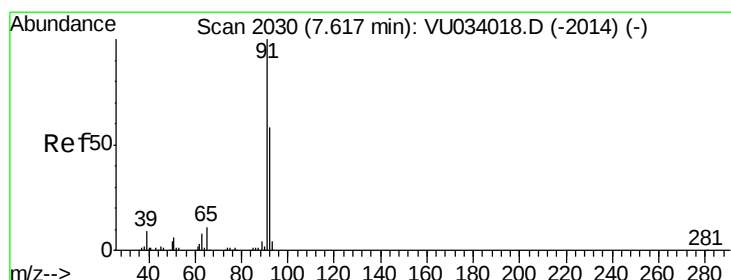
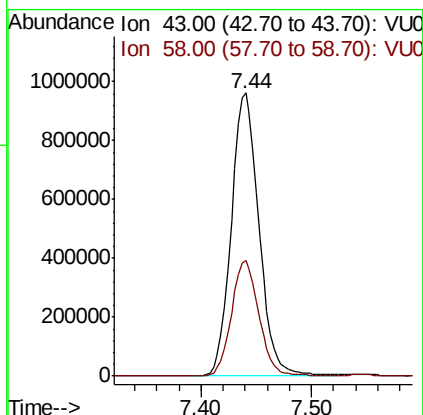
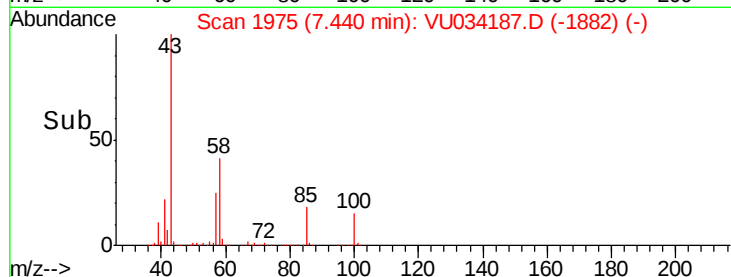
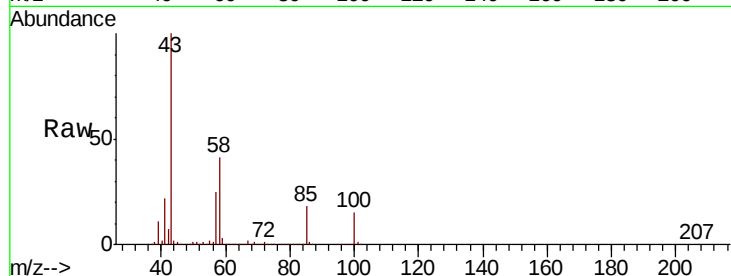




#51
 4-Methyl-2-Pentanone
 Concen: 256.010 ug/l
 RT: 7.44 min Scan# 1975
 Delta R.T. 0.00 min
 Lab File: VU034187.D
 Acq: 02 Sep 2019 09:13

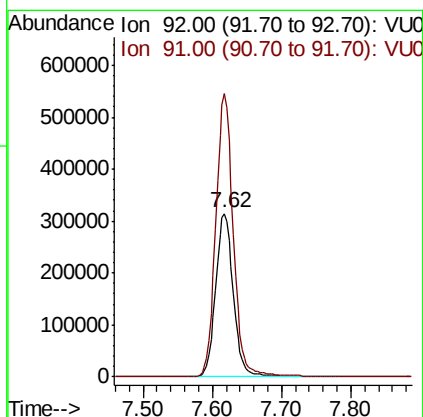
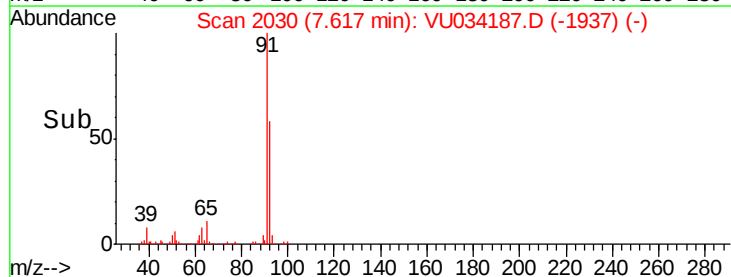
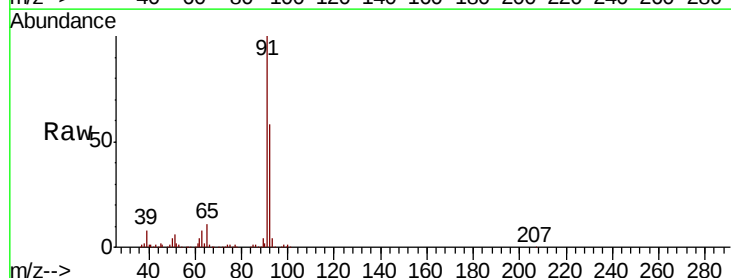
Instrument :
 MSVOA_U
 ClientSampleId :
 BFB

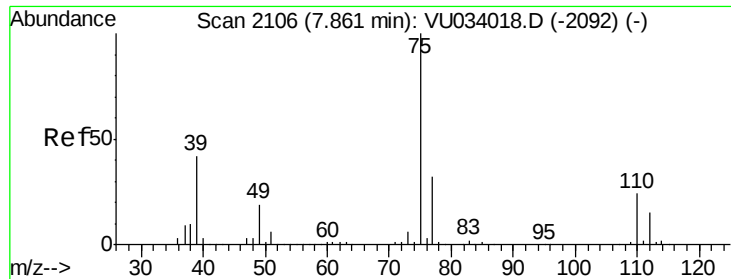
Tgt Ion: 43 Resp: 1674162
 Ion Ratio Lower Upper
 43 100
 58 40.7 32.2 48.4



#52
 Toluene
 Concen: 53.932 ug/l
 RT: 7.62 min Scan# 2030
 Delta R.T. 0.00 min
 Lab File: VU034187.D
 Acq: 02 Sep 2019 09:13

Tgt Ion: 92 Resp: 558703
 Ion Ratio Lower Upper
 92 100
 91 171.7 138.3 207.5

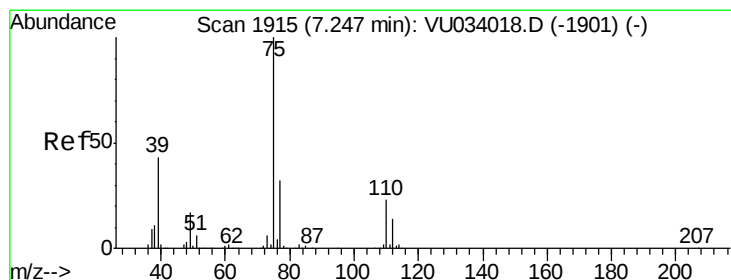
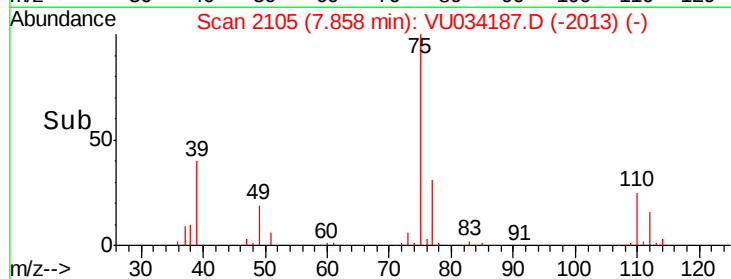
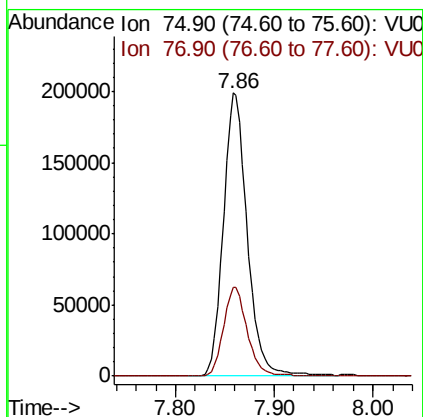
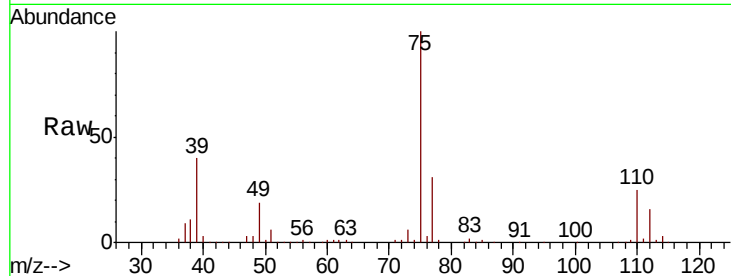




#53
 t-1,3-Dichloropropene
 Concen: 52.390 ug/l
 RT: 7.86 min Scan# 2105
 Delta R.T. -0.00 min
 Lab File: VU034187.D
 Acq: 02 Sep 2019 09:13

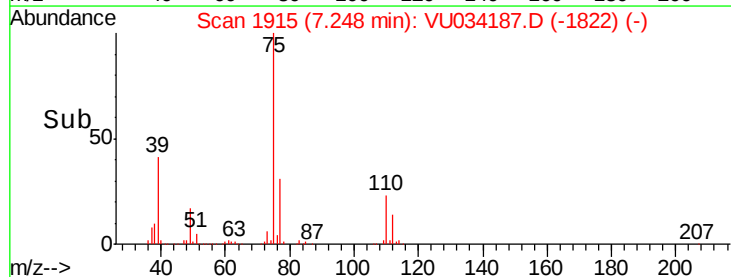
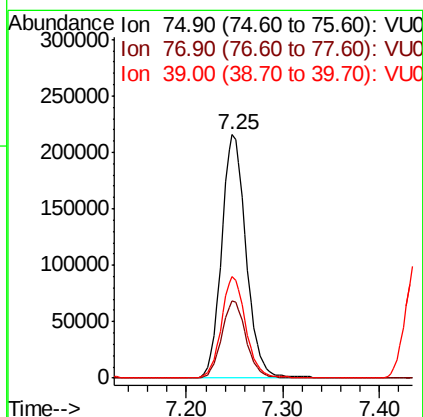
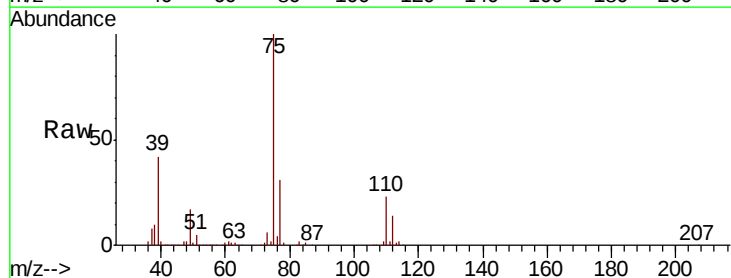
Instrument :
 MSVOA_U
 ClientSampleId :
 BFB

Tgt Ion: 75 Resp: 339196
 Ion Ratio Lower Upper
 75 100
 77 31.4 25.4 38.0



#54
 cis-1,3-Dichloropropene
 Concen: 53.606 ug/l
 RT: 7.25 min Scan# 1915
 Delta R.T. 0.00 min
 Lab File: VU034187.D
 Acq: 02 Sep 2019 09:13

Tgt Ion: 75 Resp: 379174
 Ion Ratio Lower Upper
 75 100
 77 31.5 25.2 37.8
 39 41.4 34.6 51.8





#55

1,1,2-Trichloroethane

Concen: 52.313 ug/l

RT: 8.04 min Scan# 2163

Delta R.T. -0.00 min

Lab File: VU034187.D

Acq: 02 Sep 2019 09:13

Instrument :

MSVOA_U

ClientSampleId :

BFB

Tgt Ion: 97 Resp: 229228

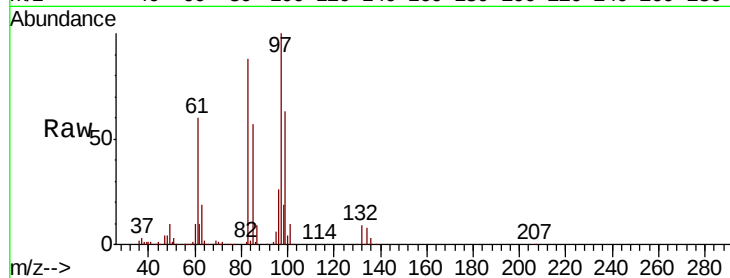
Ion Ratio Lower Upper

97 100

83 88.0 70.1 105.1

85 56.9 45.0 67.4

99 63.2 49.8 74.8

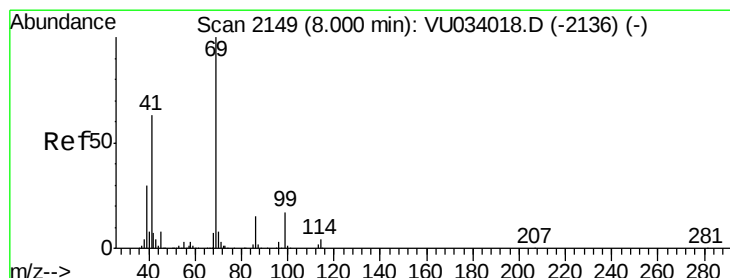
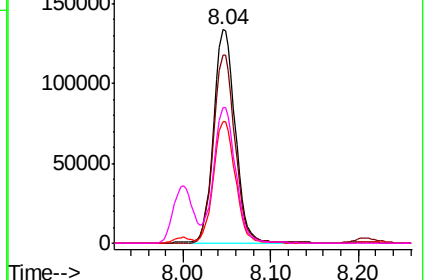
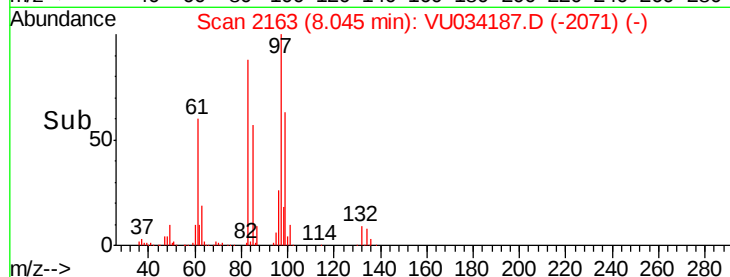


Abundance Ion 96.90 (96.60 to 97.60): VU0

Ion 82.90 (82.60 to 83.60): VU0

Ion 84.90 (84.60 to 85.60): VU0

Ion 98.90 (98.60 to 99.60): VU0



#56

Ethyl methacrylate

Concen: 47.138 ug/l

RT: 8.00 min Scan# 2149

Delta R.T. 0.00 min

Lab File: VU034187.D

Acq: 02 Sep 2019 09:13

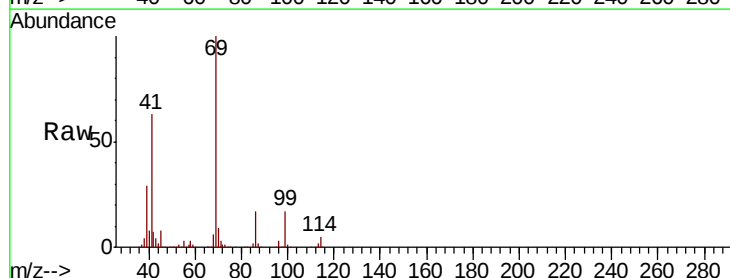
Tgt Ion: 69 Resp: 342206

Ion Ratio Lower Upper

69 100

41 63.3 50.7 76.1

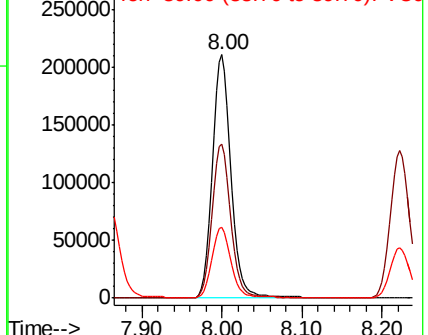
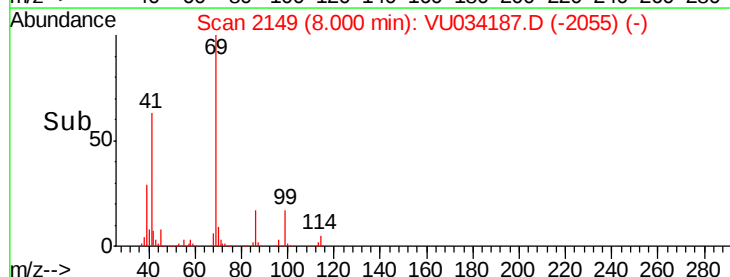
39 29.3 24.2 36.2

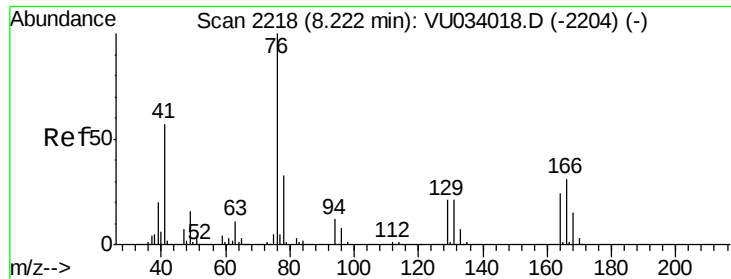


Abundance Ion 69.00 (68.70 to 69.70): VU0

Ion 41.00 (40.70 to 41.70): VU0

Ion 39.00 (38.70 to 39.70): VU0





#57

1,3-Dichloropropane

Concen: 52.650 ug/l

RT: 8.22 min Scan# 2218

Delta R.T. 0.00 min

Lab File: VU034187.D

Acq: 02 Sep 2019 09:13

Instrument :

MSVOA_U

ClientSampled :

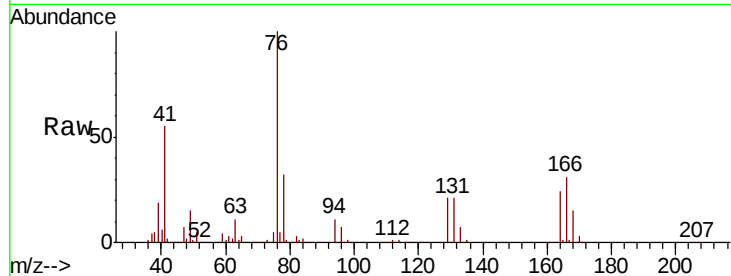
BFB

Tgt Ion: 76 Resp: 391729

Ion Ratio Lower Upper

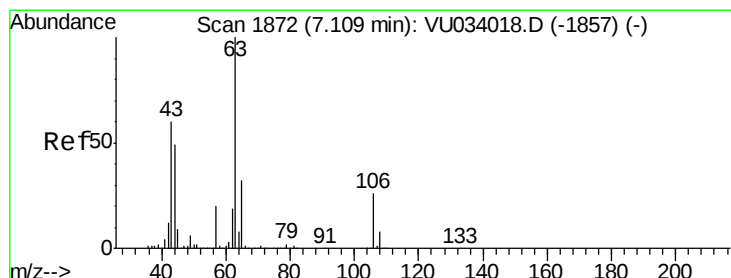
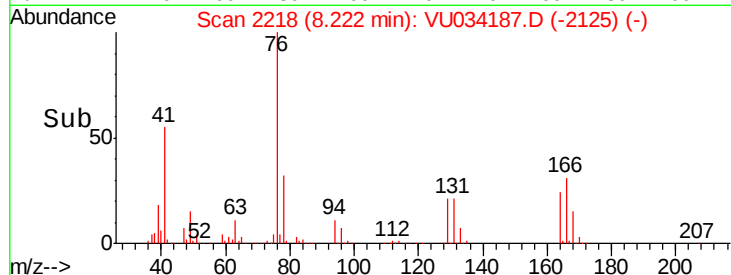
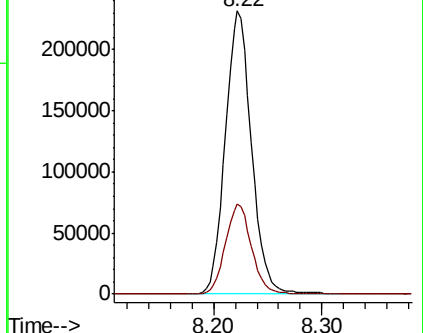
76 100

78 31.6 26.2 39.4



Abundance Ion 75.90 (75.60 to 76.60): VU034187.D (-2125) (-)

Ion 77.90 (77.60 to 78.60): VU034187.D (-2125) (-)



#58

2-Chloroethyl Vinyl ether

Concen: 237.925 ug/l

RT: 7.11 min Scan# 1871

Delta R.T. -0.00 min

Lab File: VU034187.D

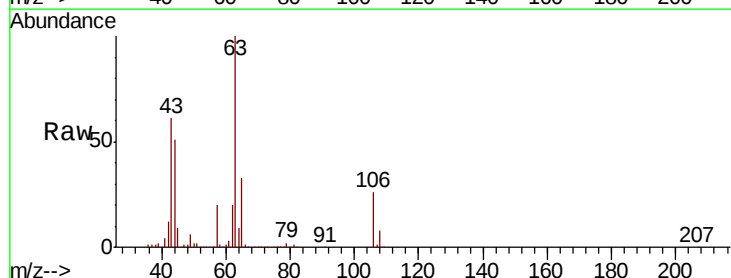
Acq: 02 Sep 2019 09:13

Tgt Ion: 63 Resp: 576776

Ion Ratio Lower Upper

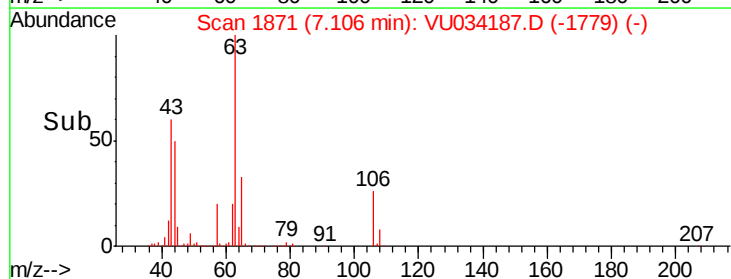
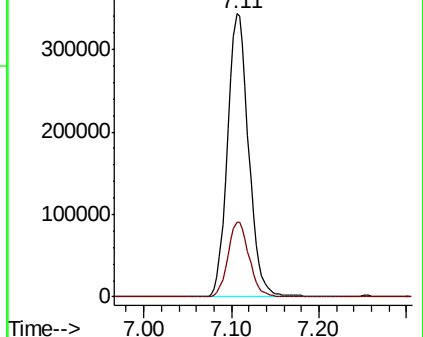
63 100

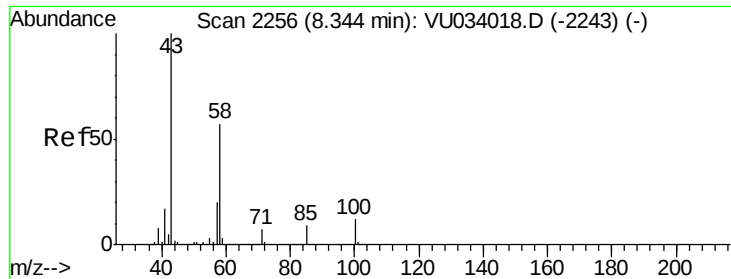
106 26.4 20.7 31.1



Abundance Ion 62.90 (62.60 to 63.60): VU034187.D (-1779) (-)

Ion 105.90 (105.60 to 106.60): VU034187.D (-1779) (-)

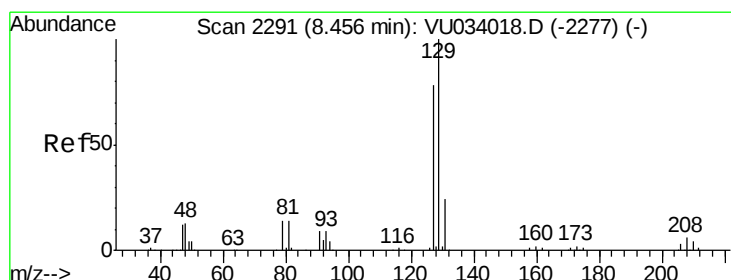
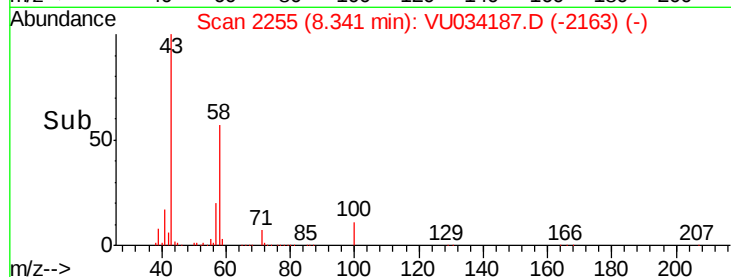
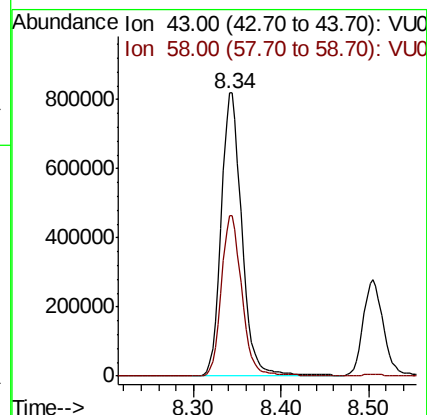
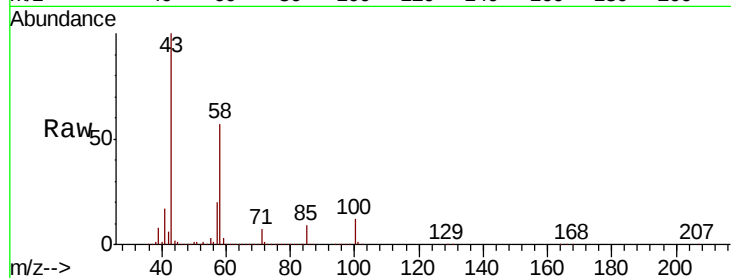




#59
2-Hexanone
Concen: 272.535 ug/l
RT: 8.34 min Scan# 2255
Delta R.T. -0.00 min
Lab File: VU034187.D
Acq: 02 Sep 2019 09:13

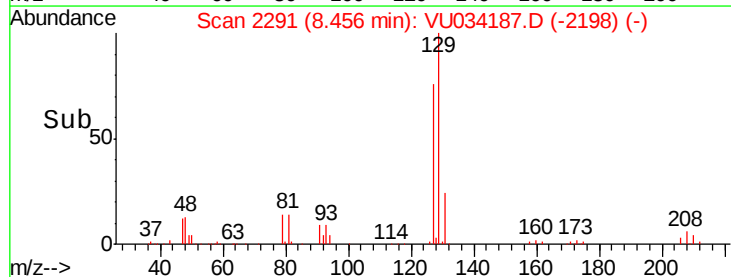
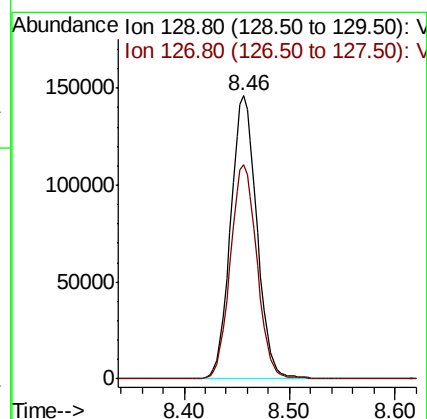
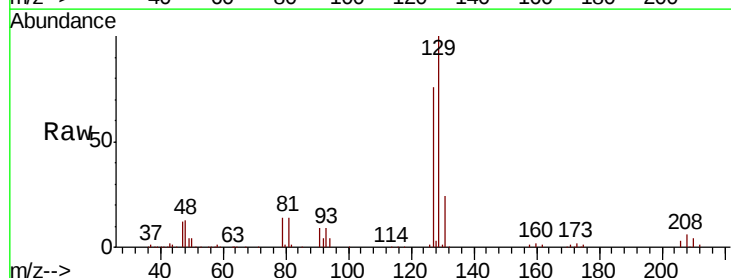
Instrument :
MSVOA_U
ClientSampleId :
BFB

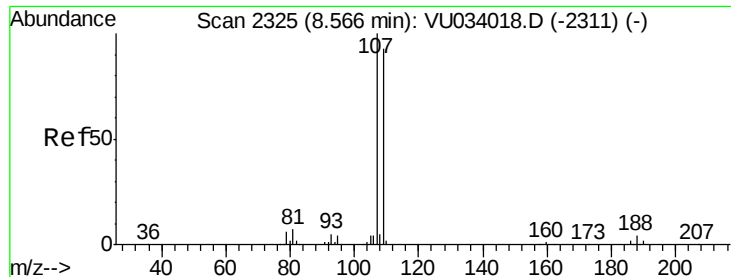
Tgt Ion: 43 Resp: 1345419
Ion Ratio Lower Upper
43 100
58 56.7 28.4 85.3



#60
Dibromochloromethane
Concen: 53.361 ug/l
RT: 8.46 min Scan# 2291
Delta R.T. 0.00 min
Lab File: VU034187.D
Acq: 02 Sep 2019 09:13

Tgt Ion: 129 Resp: 250992
Ion Ratio Lower Upper
129 100
127 76.7 39.0 116.9

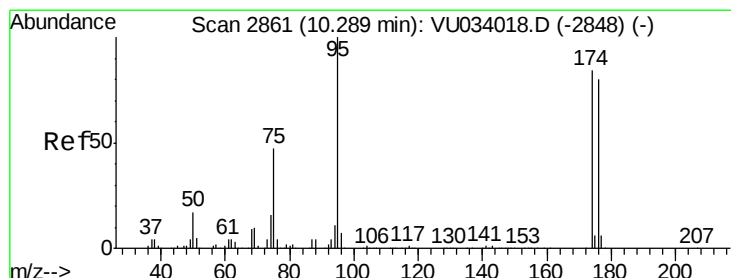
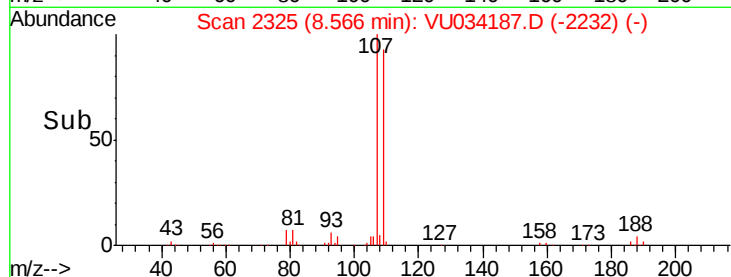
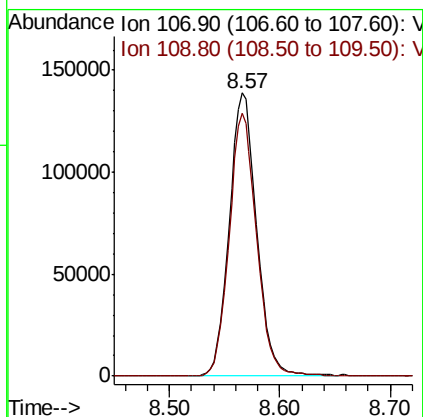
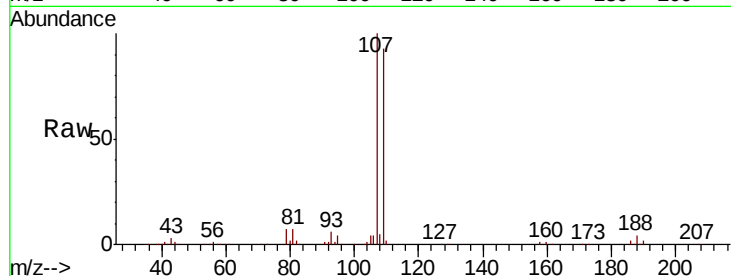




#61
 1,2-Dibromoethane
 Concen: 51.773 ug/l
 RT: 8.57 min Scan# 2325
 Delta R.T. 0.00 min
 Lab File: VU034187.D
 Acq: 02 Sep 2019 09:13

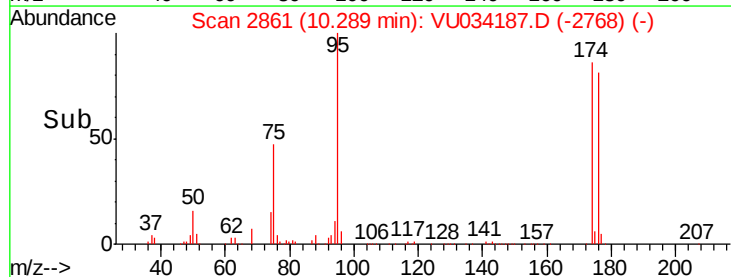
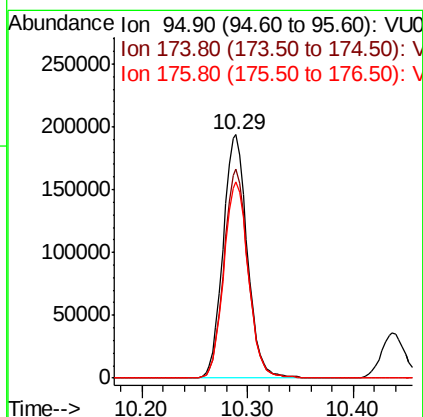
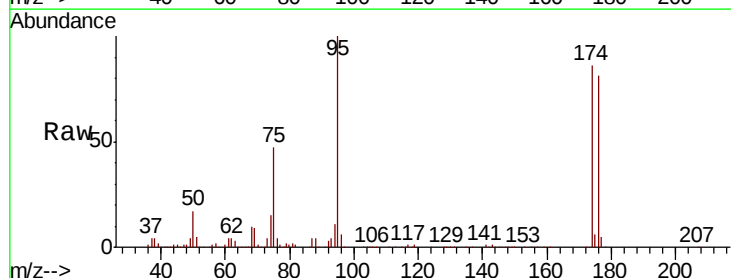
Instrument :
 MSVOA_U
 ClientSampleId :
 BFB

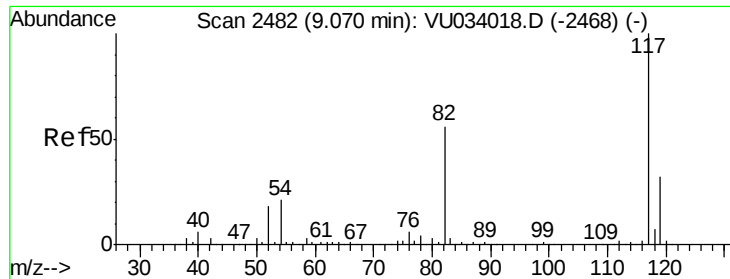
Tgt Ion: 107 Resp: 238977
 Ion Ratio Lower Upper
 107 100
 109 92.9 75.2 112.8



#62
 4-Bromofluorobenzene
 Concen: 51.887 ug/l
 RT: 10.29 min Scan# 2861
 Delta R.T. 0.00 min
 Lab File: VU034187.D
 Acq: 02 Sep 2019 09:13

Tgt Ion: 95 Resp: 308021
 Ion Ratio Lower Upper
 95 100
 174 85.1 0.0 168.8
 176 81.8 0.0 161.8

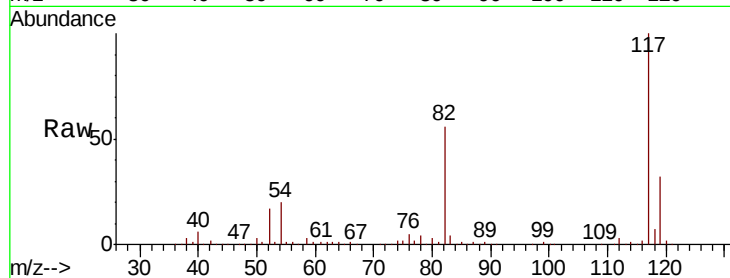




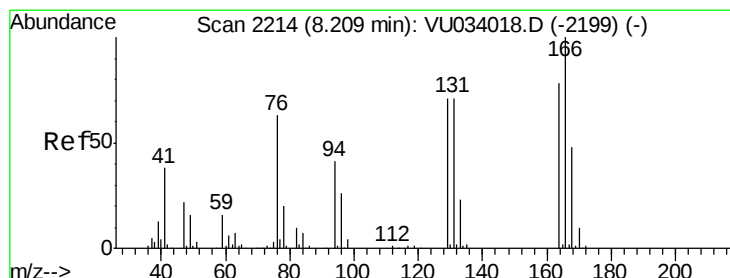
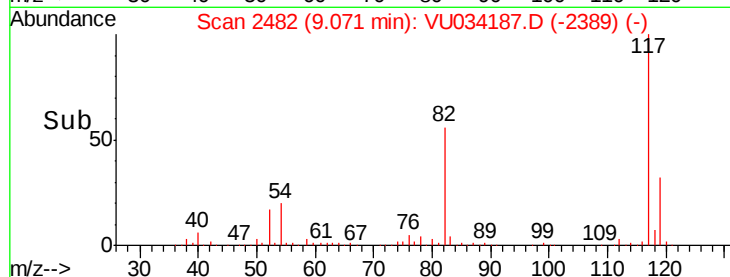
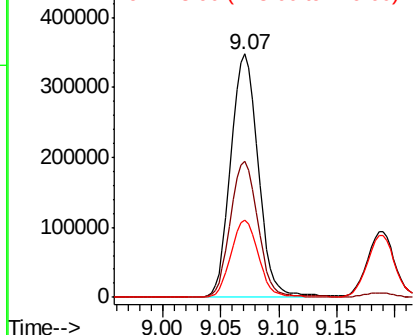
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.07 min Scan# 2482
Delta R.T. 0.00 min
Lab File: VU034187.D
Acq: 02 Sep 2019 09:13

Instrument :
MSVOA_U
ClientSampled :
BFB

Tgt Ion:117 Resp: 571835
Ion Ratio Lower Upper
117 100
82 55.9 45.1 67.7
119 31.9 25.4 38.0

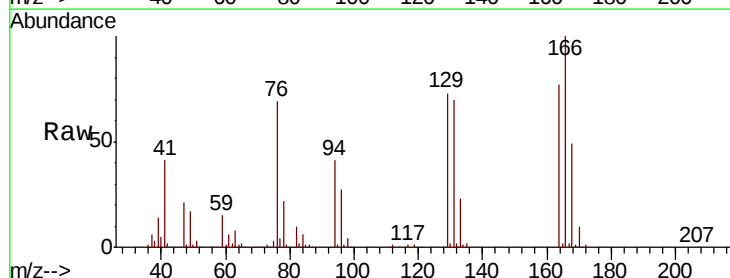


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VU034187.D (-2389) (-)
Ion 118.90 (118.60 to 119.60): V

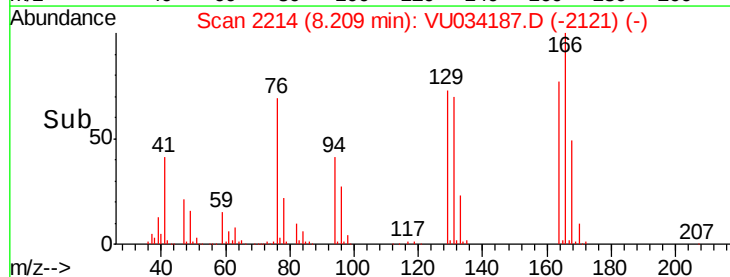
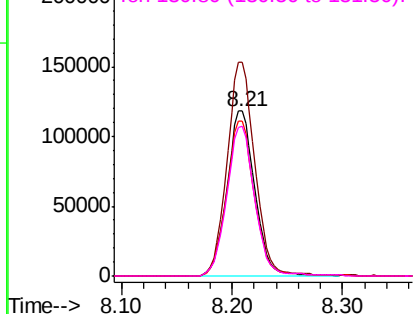


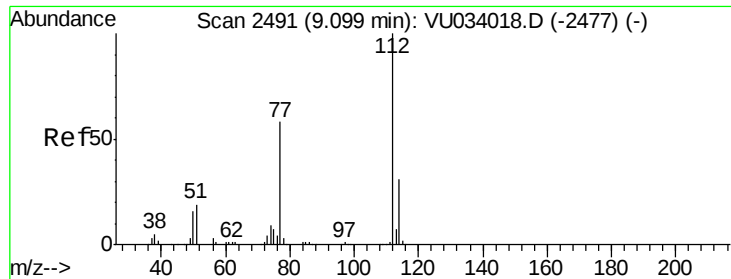
#64
Tetrachloroethene
Concen: 53.988 ug/l
RT: 8.21 min Scan# 2214
Delta R.T. 0.00 min
Lab File: VU034187.D
Acq: 02 Sep 2019 09:13

Tgt Ion:164 Resp: 207327
Ion Ratio Lower Upper
164 100
166 129.7 102.2 153.2
129 94.1 72.4 108.6
131 90.6 72.1 108.1



Abundance Ion 163.80 (163.50 to 164.50): V
Ion 165.80 (165.50 to 166.50): VU034187.D (-2121) (-)
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V

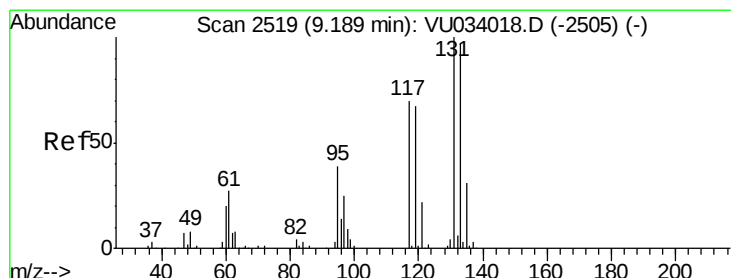
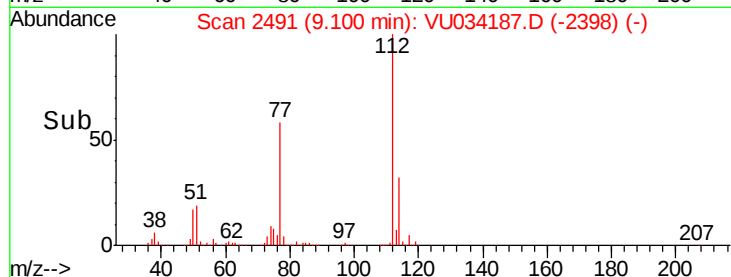
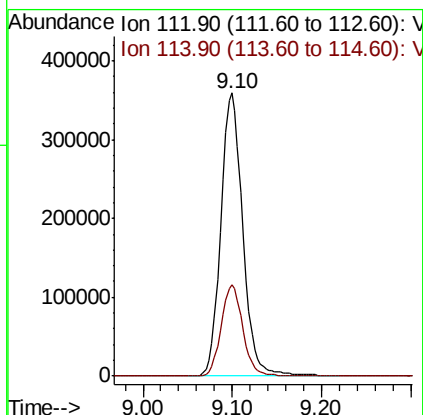
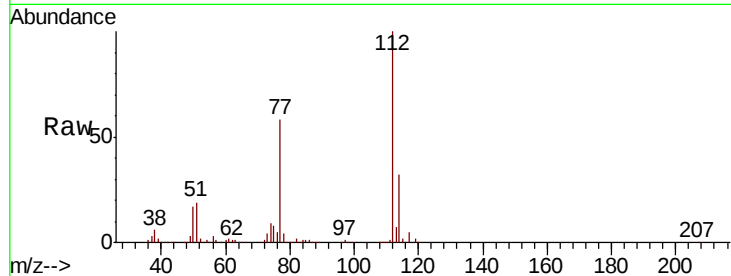




#65
Chlorobenzene
Concen: 51.936 ug/l
RT: 9.10 min Scan# 2491
Delta R.T. 0.00 min
Lab File: VU034187.D
Acq: 02 Sep 2019 09:13

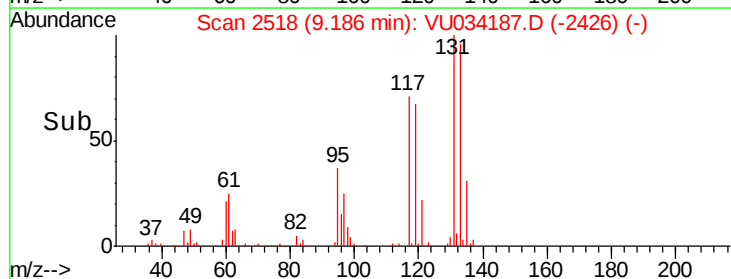
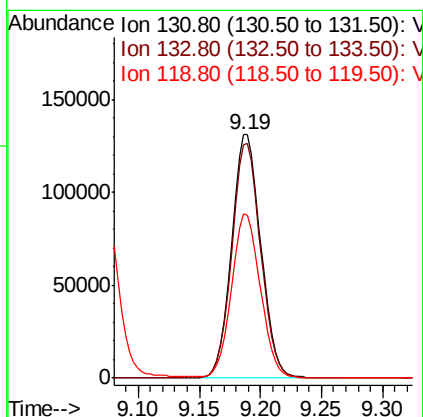
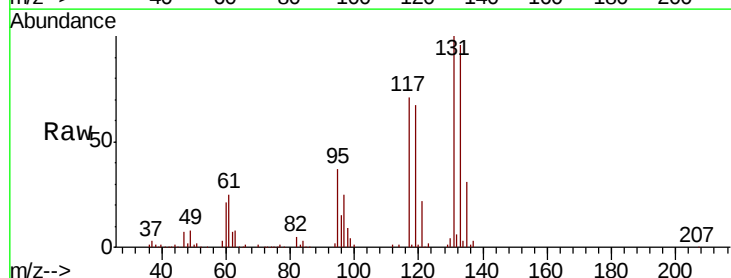
Instrument :
MSVOA_U
ClientSampleId :
BFB

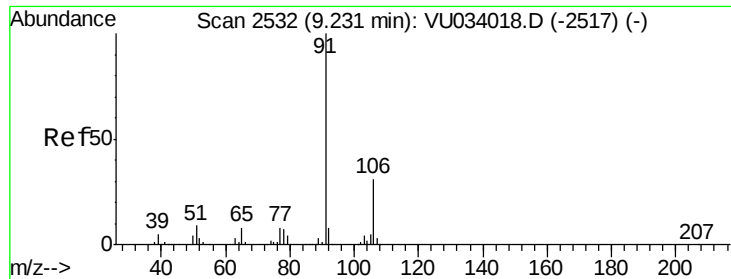
Tgt Ion:112 Resp: 611168
Ion Ratio Lower Upper
112 100
114 32.3 25.0 37.4



#66
1,1,1,2-Tetrachloroethane
Concen: 51.196 ug/l
RT: 9.19 min Scan# 2518
Delta R.T. -0.00 min
Lab File: VU034187.D
Acq: 02 Sep 2019 09:13

Tgt Ion:131 Resp: 218461
Ion Ratio Lower Upper
131 100
133 95.9 48.4 145.2
119 66.4 33.6 100.6

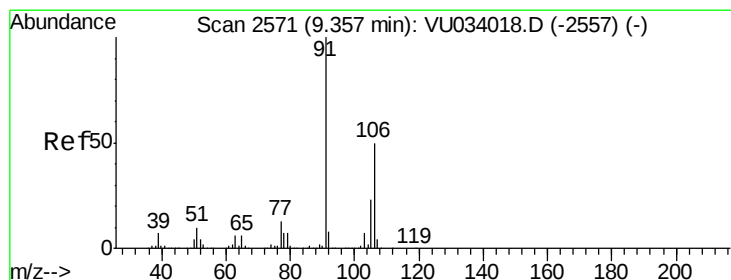
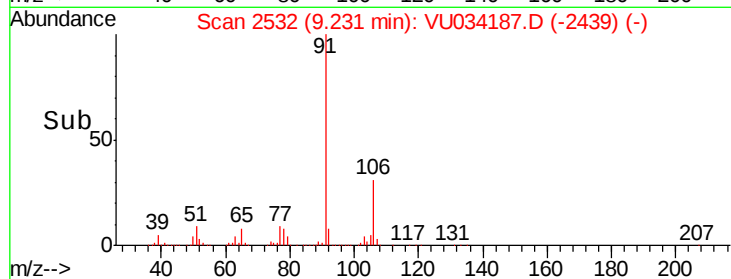
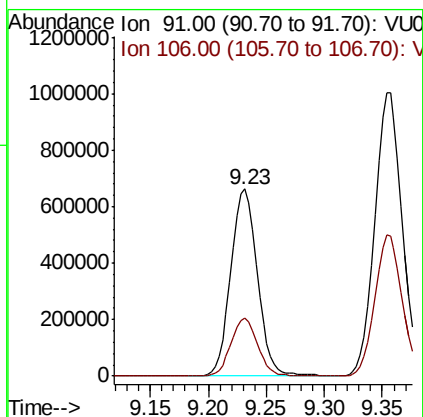
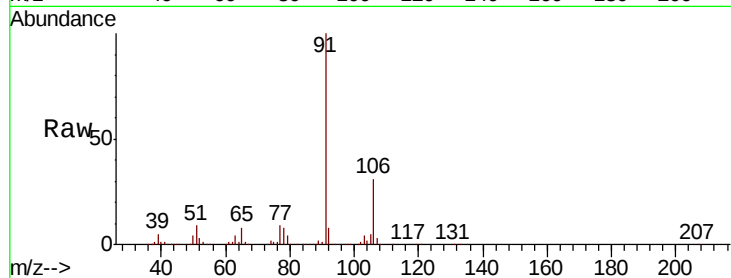




#67
Ethyl Benzene
Concen: 53.018 ug/l
RT: 9.23 min Scan# 2532
Delta R.T. 0.00 min
Lab File: VU034187.D
Acq: 02 Sep 2019 09:13

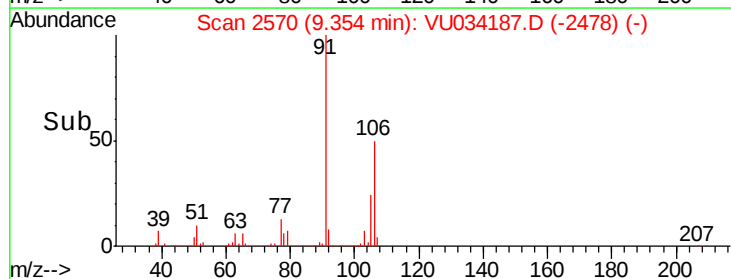
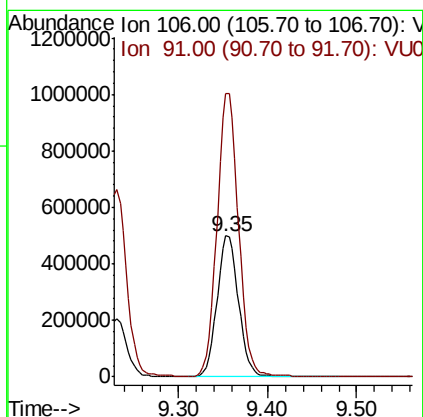
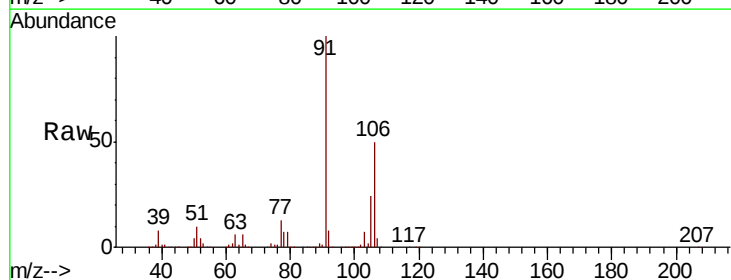
Instrument :
MSVOA_U
ClientSampleId :
BFB

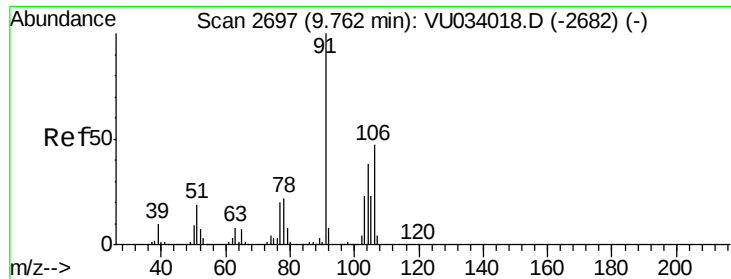
Tgt Ion: 91 Resp: 1057593
Ion Ratio Lower Upper
91 100
106 30.8 24.9 37.3



#68
m/p-Xylenes
Concen: 109.633 ug/l
RT: 9.35 min Scan# 2570
Delta R.T. -0.00 min
Lab File: VU034187.D
Acq: 02 Sep 2019 09:13

Tgt Ion: 106 Resp: 831564
Ion Ratio Lower Upper
106 100
91 201.4 161.6 242.4

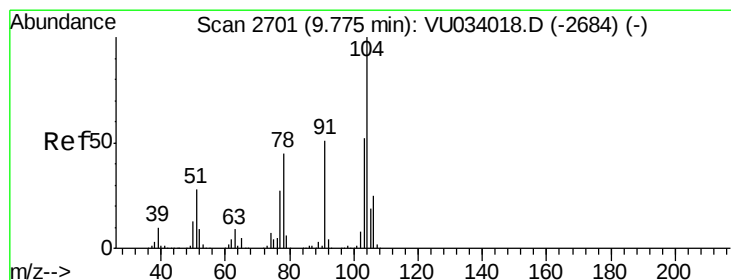
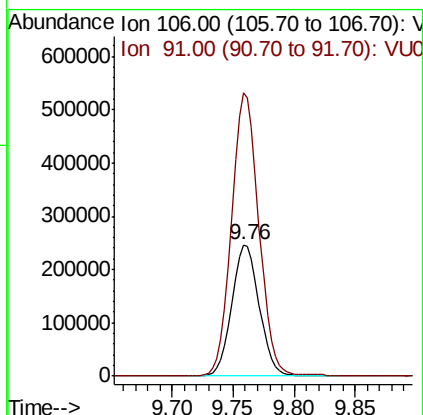
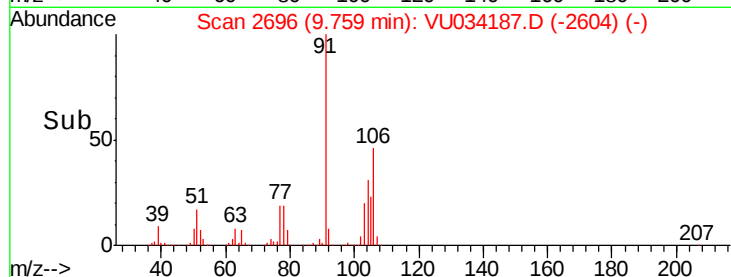
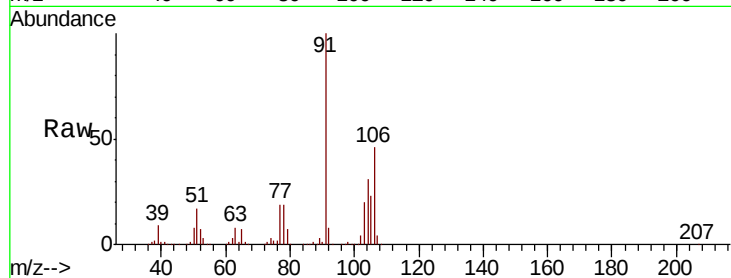




#69
o-Xylene
Concen: 53.289 ug/l
RT: 9.76 min Scan# 2696
Delta R.T. -0.00 min
Lab File: VU034187.D
Acq: 02 Sep 2019 09:13

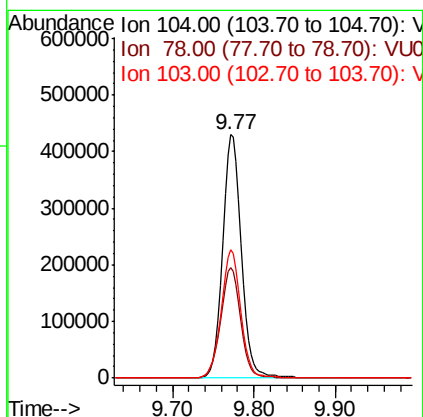
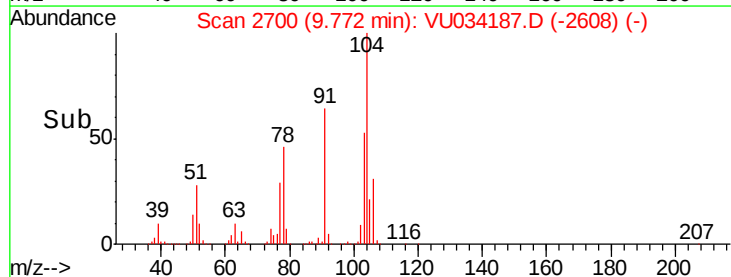
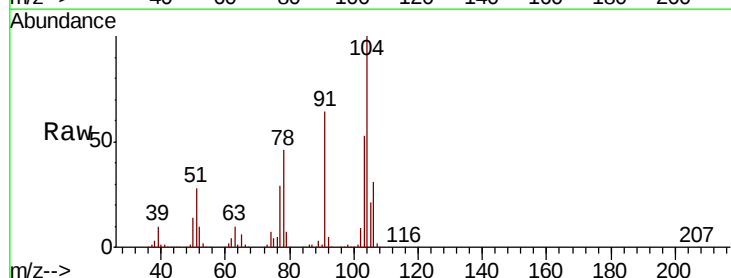
Instrument :
MSVOA_U
ClientSampled :
BFB

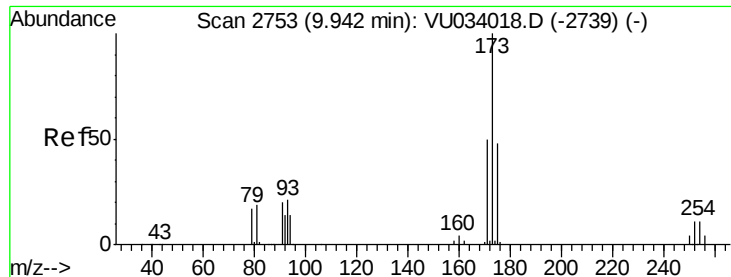
Tgt Ion:106 Resp: 387780
Ion Ratio Lower Upper
106 100
91 214.5 106.0 318.0



#70
Styrene
Concen: 56.347 ug/l
RT: 9.77 min Scan# 2700
Delta R.T. -0.00 min
Lab File: VU034187.D
Acq: 02 Sep 2019 09:13

Tgt Ion:104 Resp: 703063
Ion Ratio Lower Upper
104 100
78 48.4 39.0 58.4
103 55.0 44.0 66.0





#71

Bromoform

Concen: 52.034 ug/l

RT: 9.94 min Scan# 2752

Delta R.T. -0.00 min

Lab File: VU034187.D

Acq: 02 Sep 2019 09:13

Instrument :

MSVOA_U

ClientSampleId :

BFB

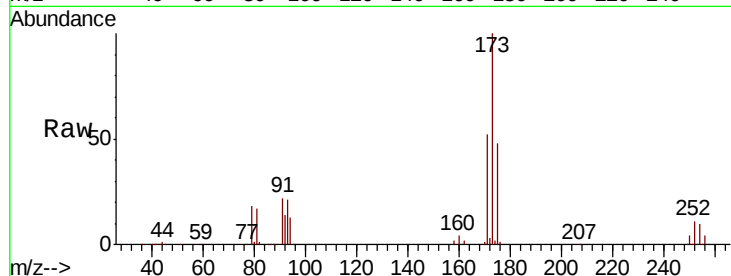
Tgt Ion:173 Resp: 192912

Ion Ratio Lower Upper

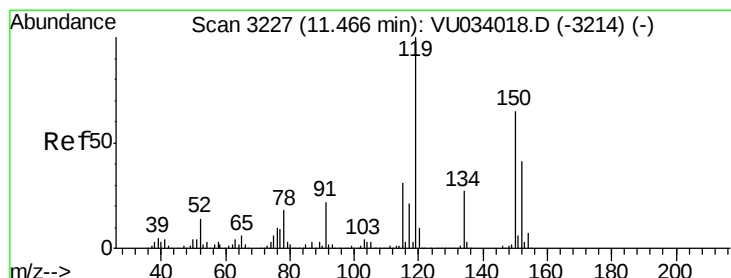
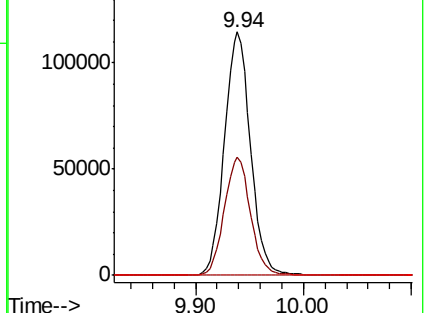
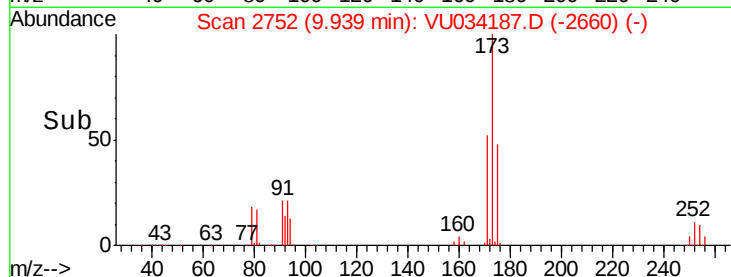
173 100

175 48.5 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: VU034187.D

Acq: 02 Sep 2019 09:13

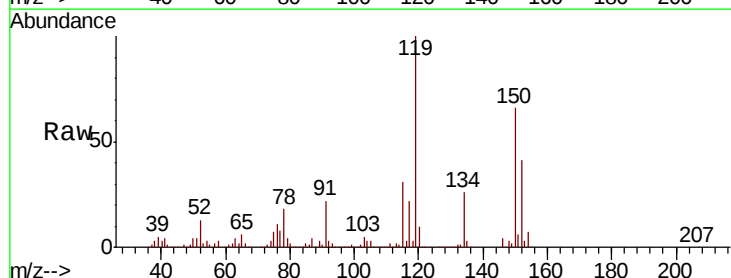
Tgt Ion:152 Resp: 318543

Ion Ratio Lower Upper

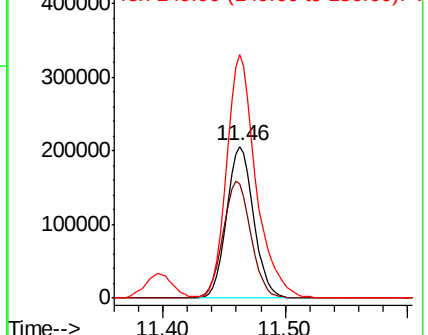
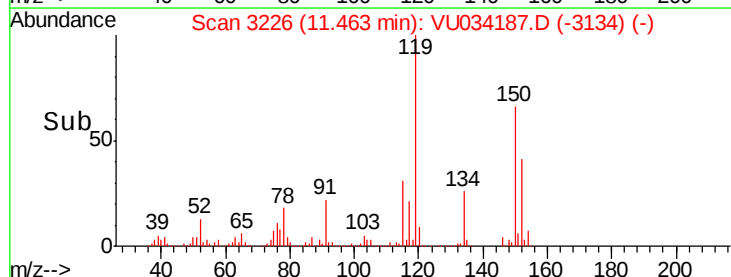
152 100

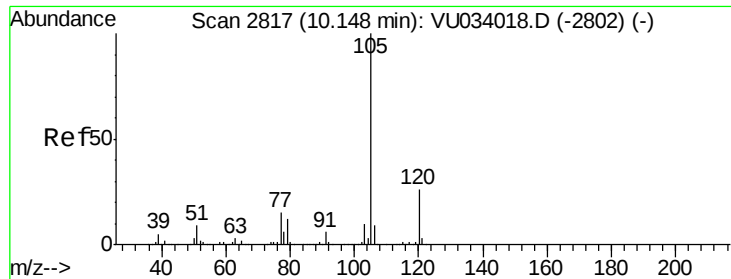
115 80.0 41.1 123.3

150 173.6 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: 50.279 ug/l

RT: 10.15 min Scan# 2817

Delta R.T. 0.00 min

Lab File: VU034187.D

Acq: 02 Sep 2019 09:13

Instrument :

MSVOA_U

ClientSampleId :

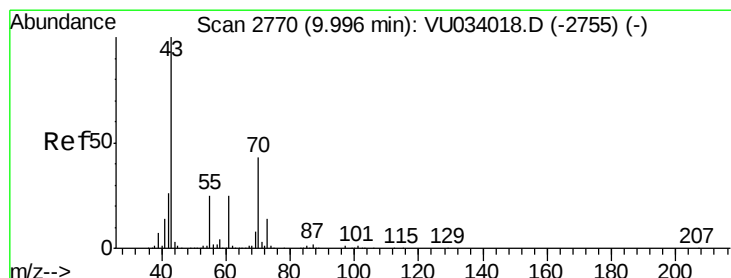
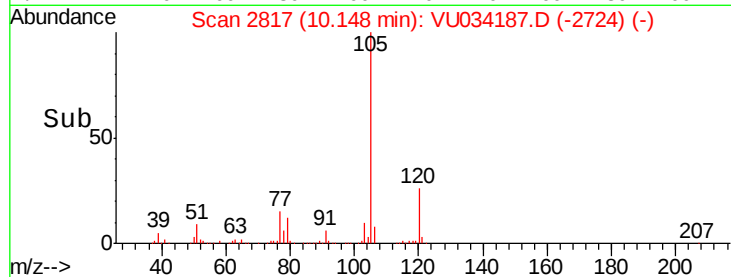
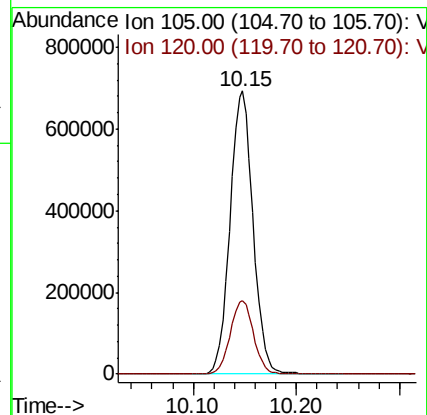
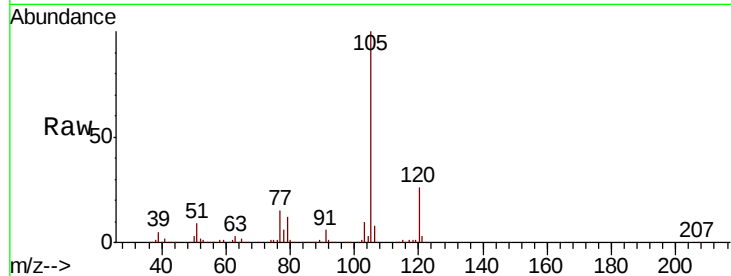
BFB

Tgt Ion:105 Resp: 1075782

Ion Ratio Lower Upper

105 100

120 26.4 13.3 39.8



#74

N-ethyl acetate

Concen: 49.585 ug/l

RT: 10.00 min Scan# 2770

Delta R.T. 0.00 min

Lab File: VU034187.D

Acq: 02 Sep 2019 09:13

Tgt Ion: 43 Resp: 446220

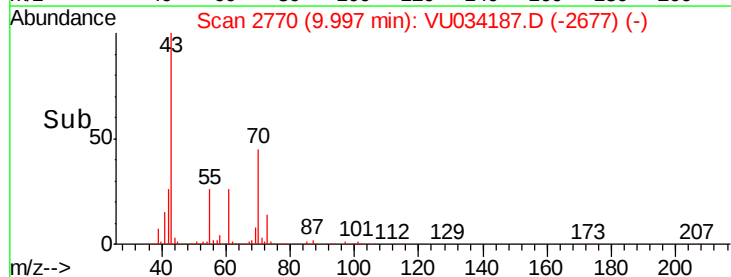
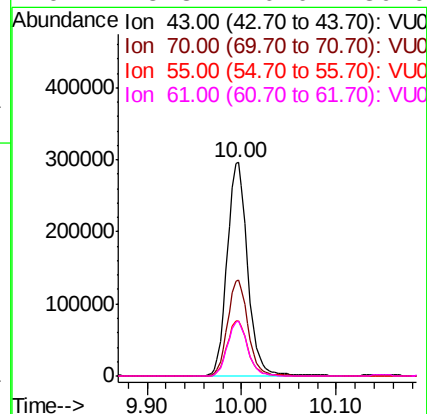
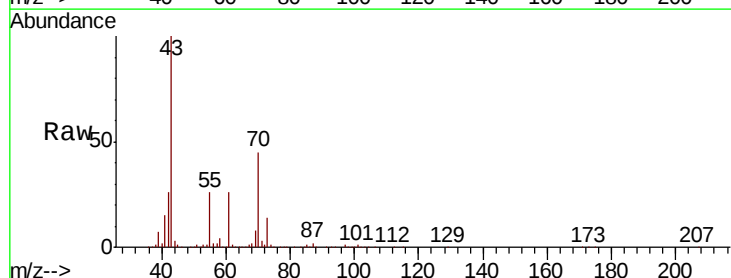
Ion Ratio Lower Upper

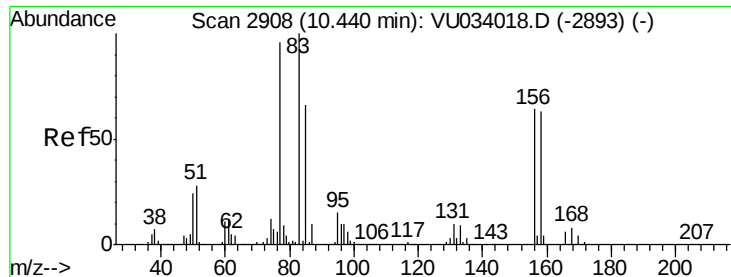
43 100

70 44.5 35.2 52.8

55 26.0 20.5 30.7

61 25.3 20.0 30.0





#75

1,1,2,2-Tetrachloroethane

Concen: 47.500 ug/l

RT: 10.44 min Scan# 2907

Delta R.T. -0.00 min

Lab File: VU034187.D

Acq: 02 Sep 2019 09:13

Instrument :

MSVOA_U

ClientSampled :

BFB

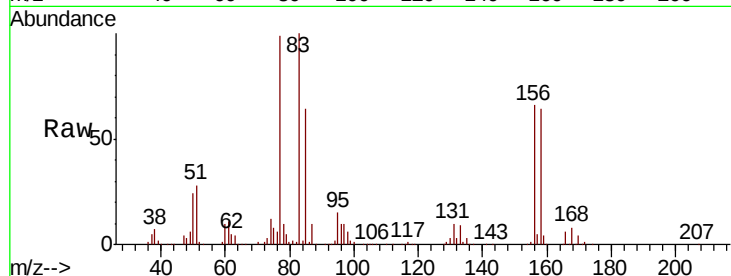
Tgt Ion: 83 Resp: 388996

Ion Ratio Lower Upper

83 100

131 9.5 5.0 14.9

85 64.5 32.2 96.6

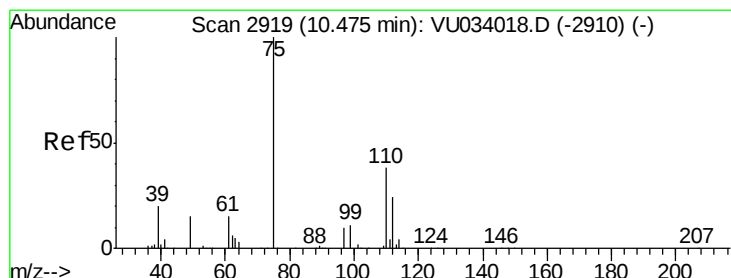
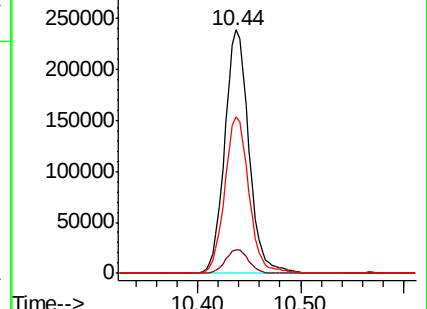
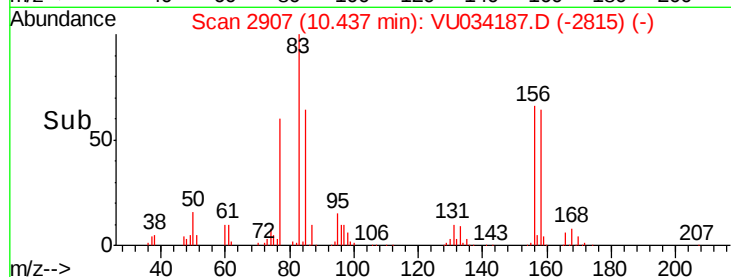


Abundance Ion 82.90 (82.60 to 83.60): VU034187.D (-2893) (-)

Ion 130.80 (130.50 to 131.50): VU034187.D (-2893) (-)

Ion 84.90 (84.60 to 85.60): VU034187.D (-2893) (-)

Time-->



#76

1,2,3-Trichloropropane

Concen: 59.963 ug/l

RT: 10.48 min Scan# 2919

Delta R.T. 0.00 min

Lab File: VU034187.D

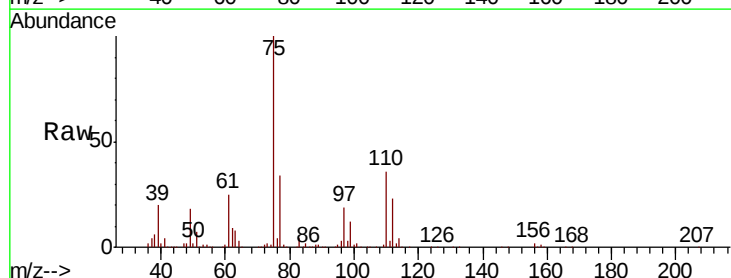
Acq: 02 Sep 2019 09:13

Tgt Ion: 75 Resp: 430496

Ion Ratio Lower Upper

75 100

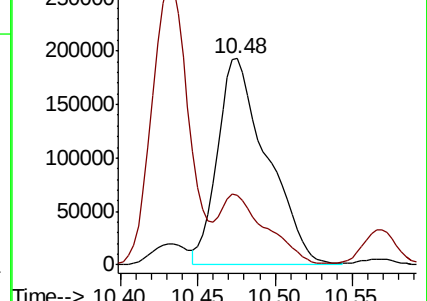
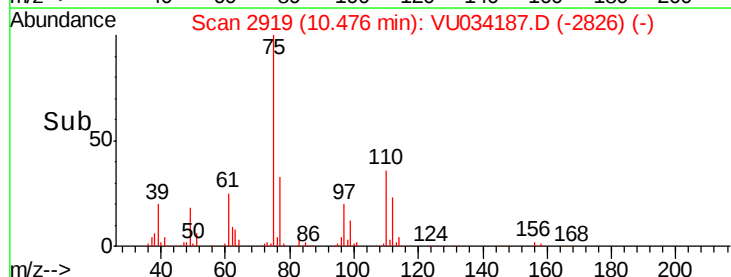
77 31.8 20.1 60.2

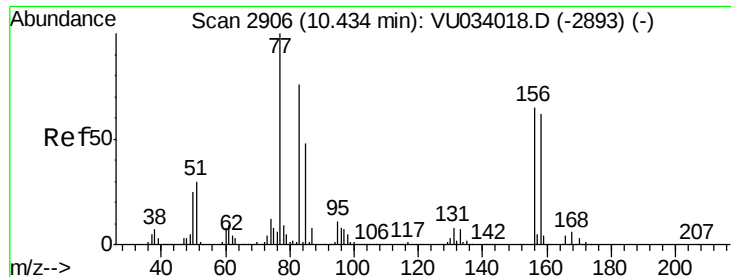


Abundance Ion 74.90 (74.60 to 75.60): VU034187.D (-2826) (-)

Ion 77.00 (76.70 to 77.70): VU034187.D (-2826) (-)

Time-->

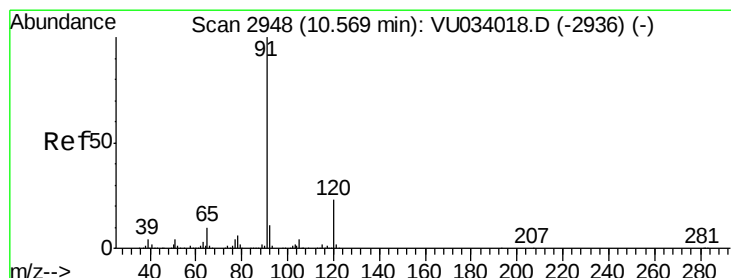
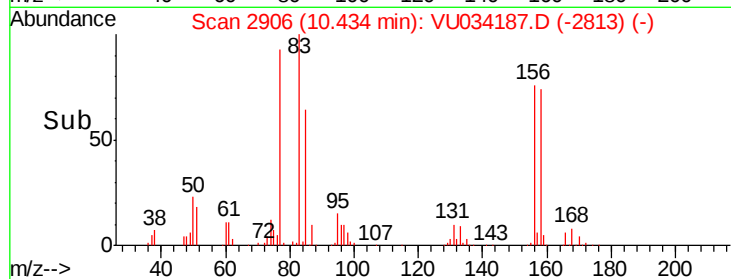
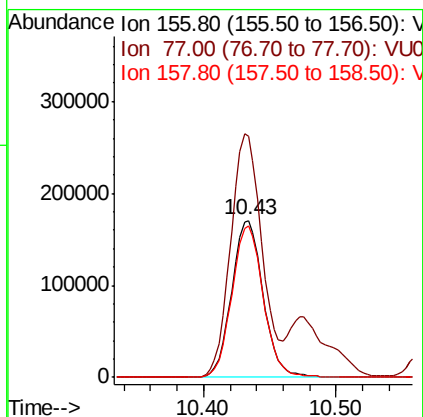
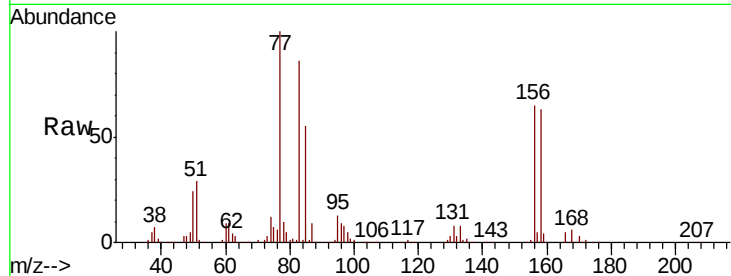




#77
Bromobenzene
Concen: 48.719 ug/l
RT: 10.43 min Scan# 2906
Delta R.T. 0.00 min
Lab File: VU034187.D
Acq: 02 Sep 2019 09:13

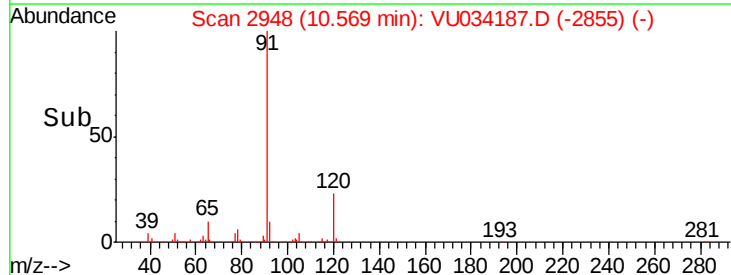
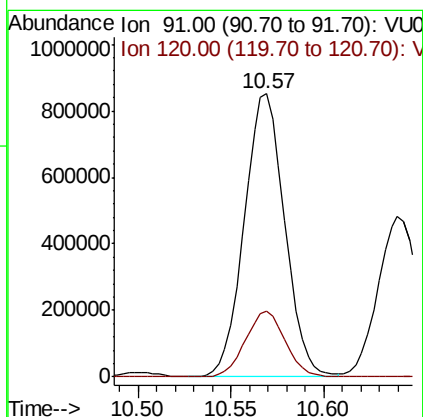
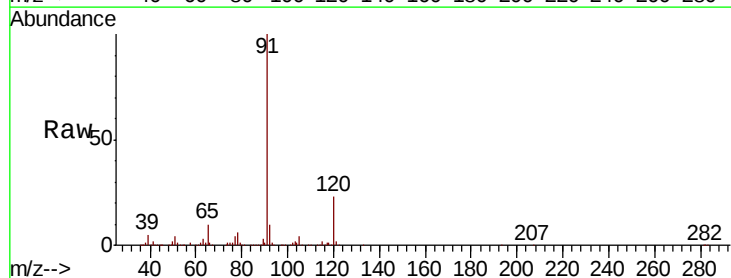
Instrument :
MSVOA_U
ClientSampleId :
BFB

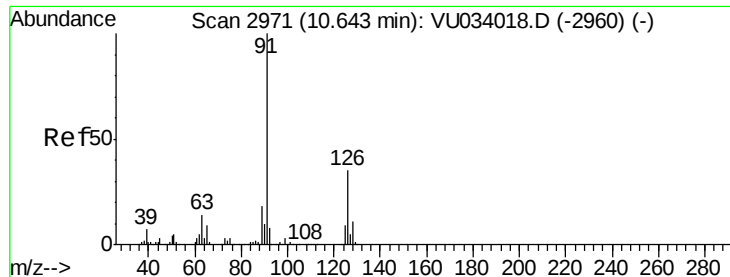
Tgt Ion: 156 Resp: 280411
Ion Ratio Lower Upper
156 100
77 156.2 76.8 230.5
158 97.2 48.4 145.0



#78
n-propylbenzene
Concen: 51.445 ug/l
RT: 10.57 min Scan# 2948
Delta R.T. 0.00 min
Lab File: VU034187.D
Acq: 02 Sep 2019 09:13

Tgt Ion: 91 Resp: 1281911
Ion Ratio Lower Upper
91 100
120 23.0 11.7 35.0





#79

2-Chlorotoluene

Concen: 50.524 ug/l

RT: 10.64 min Scan# 2970

Delta R.T. -0.00 min

Lab File: VU034187.D

Acq: 02 Sep 2019 09:13

Instrument :

MSVOA_U

ClientSampleId :

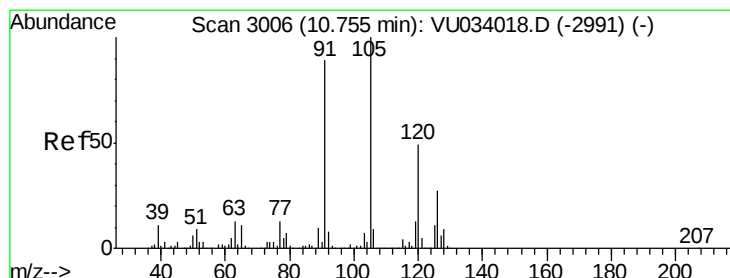
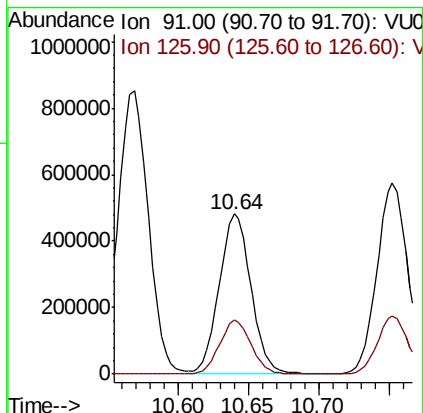
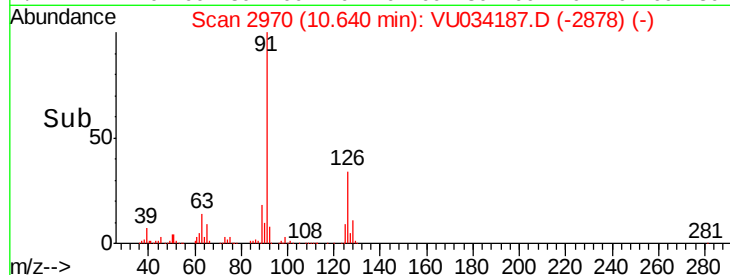
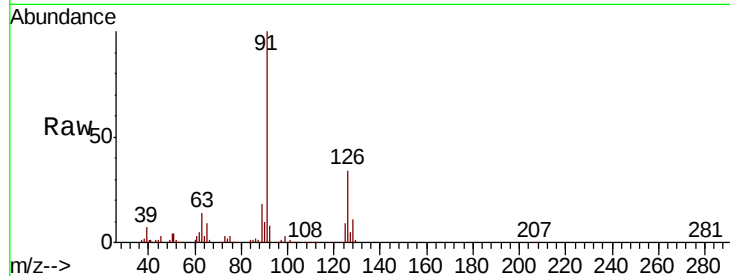
BFB

Tgt Ion: 91 Resp: 755135

Ion Ratio Lower Upper

91 100

126 33.8 17.1 51.2



#80

1,3,5-Trimethylbenzene

Concen: 51.806 ug/l

RT: 10.75 min Scan# 3005

Delta R.T. -0.00 min

Lab File: VU034187.D

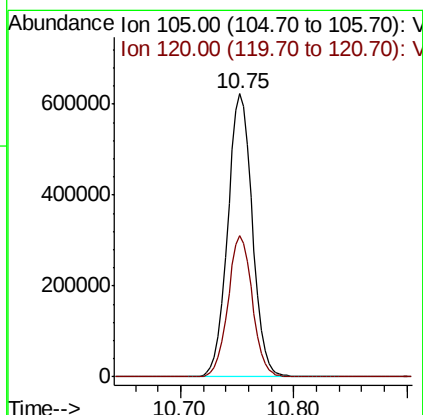
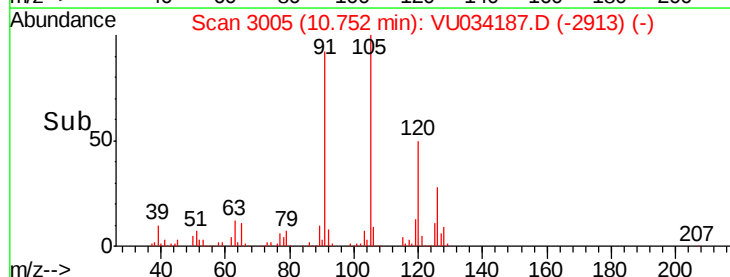
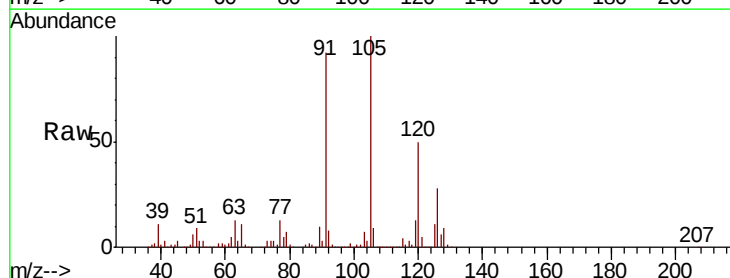
Acq: 02 Sep 2019 09:13

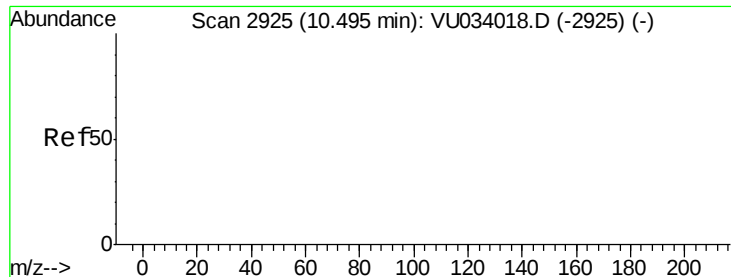
Tgt Ion: 105 Resp: 939485

Ion Ratio Lower Upper

105 100

120 49.6 24.6 73.6





#81

trans-1,4-Dichloro-2-butene

Concen: 201.909 ug/l

RT: 10.48 min Scan# 2919

Delta R.T. -0.02 min

Lab File: VU034187.D

Acq: 02 Sep 2019 09:13

Instrument :

MSVOA_U

ClientSampleId :

BFB

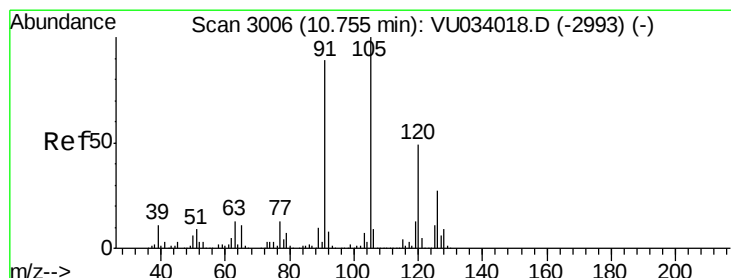
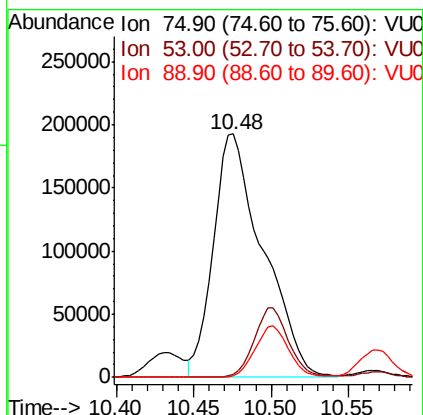
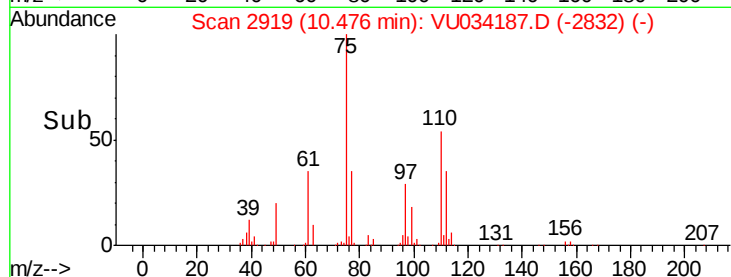
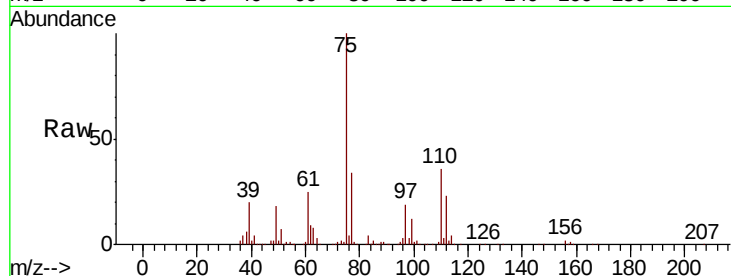
Tgt Ion: 75 Resp: 430496

Ion Ratio Lower Upper

75 100

53 0.0 0.0 0.0

89 0.0 0.0 0.0



#82

4-Chlorotoluene

Concen: 51.454 ug/l

RT: 10.75 min Scan# 3005

Delta R.T. -0.00 min

Lab File: VU034187.D

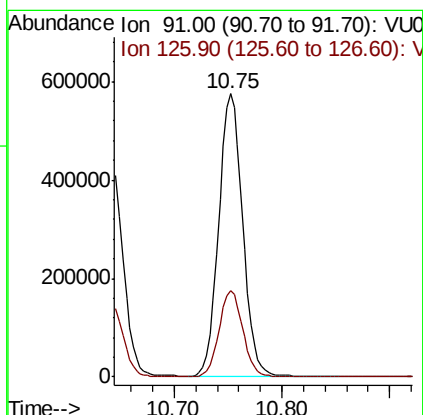
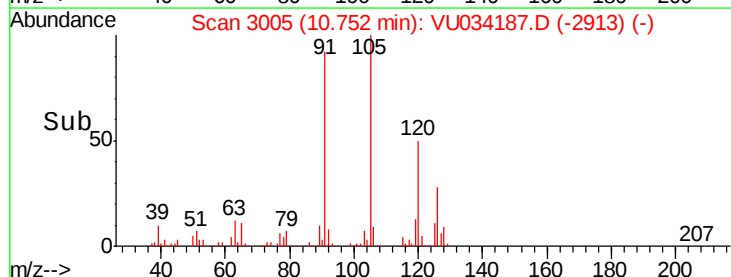
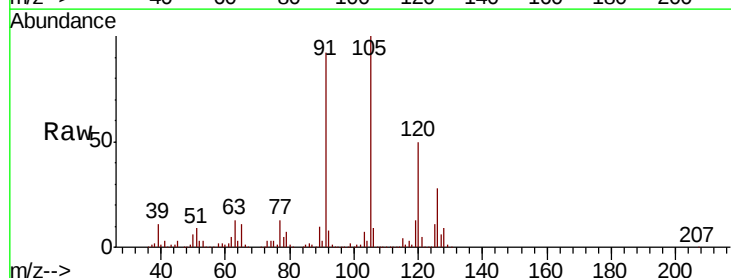
Acq: 02 Sep 2019 09:13

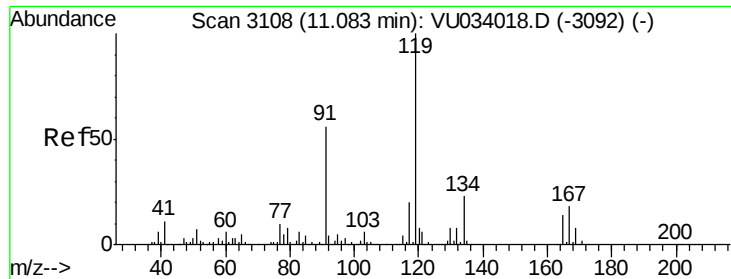
Tgt Ion: 91 Resp: 884442

Ion Ratio Lower Upper

91 100

126 30.1 15.0 45.1

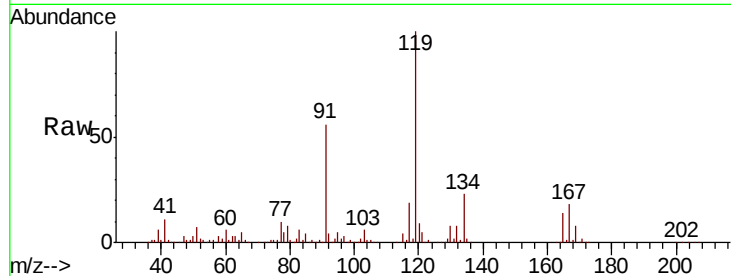




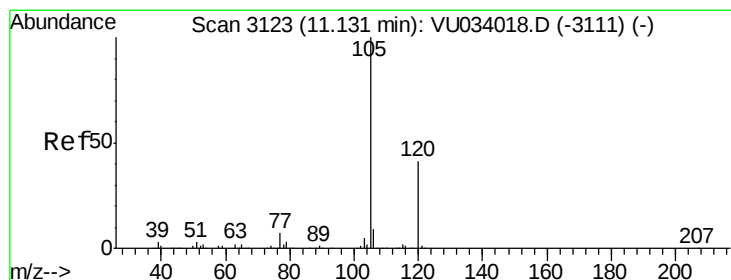
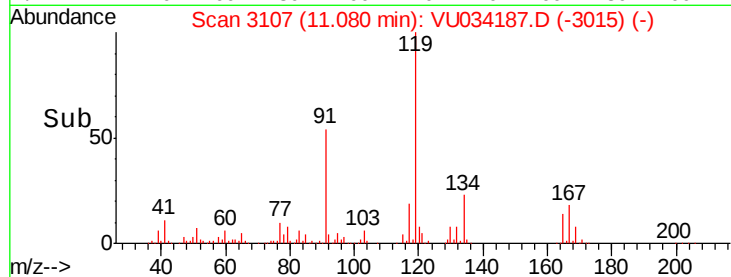
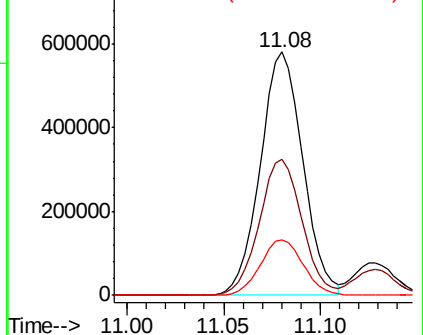
#83
 tert-Butylbenzene
 Concen: 49.632 ug/l
 RT: 11.08 min Scan# 3107
 Delta R.T. -0.00 min
 Lab File: VU034187.D
 Acq: 02 Sep 2019 09:13

Instrument :
 MSVOA_U
 ClientSampled :
 BFB

Tgt Ion:119 Resp: 886049
 Ion Ratio Lower Upper
 119 100
 91 56.2 27.9 83.6
 134 23.0 11.4 34.2

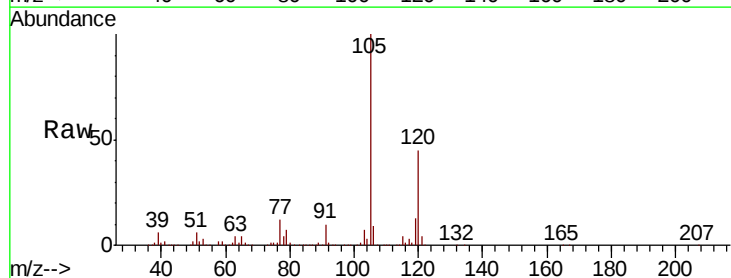


Abundance Ion 119.00 (118.70 to 119.70): V
 Ion 91.00 (90.70 to 91.70): VU0
 Ion 134.00 (133.70 to 134.70): V

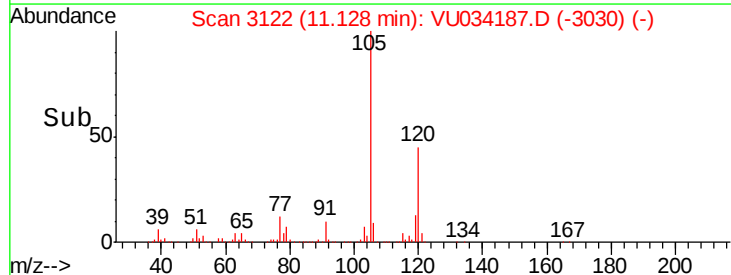
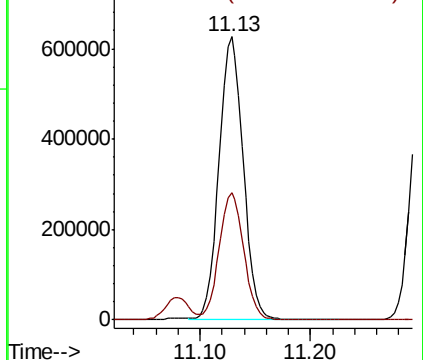


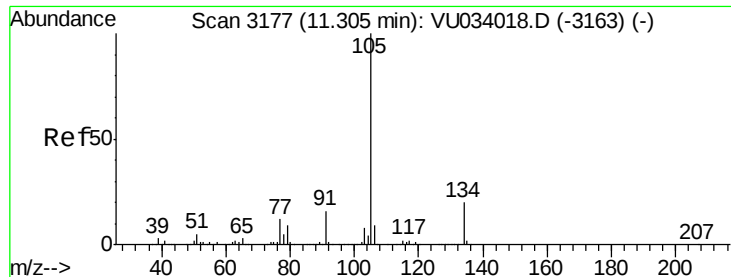
#84
 1,2,4-Trimethylbenzene
 Concen: 52.728 ug/l
 RT: 11.13 min Scan# 3122
 Delta R.T. -0.00 min
 Lab File: VU034187.D
 Acq: 02 Sep 2019 09:13

Tgt Ion:105 Resp: 949496
 Ion Ratio Lower Upper
 105 100
 120 45.4 22.6 67.8



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

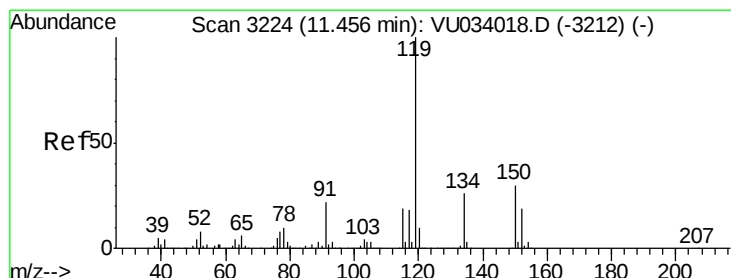
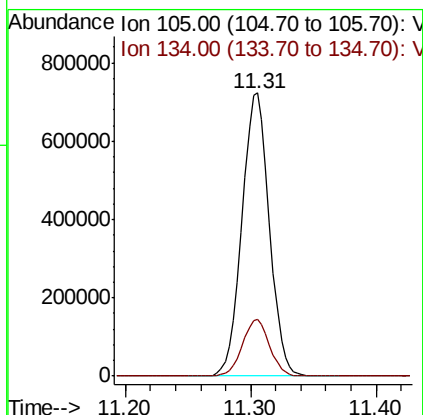
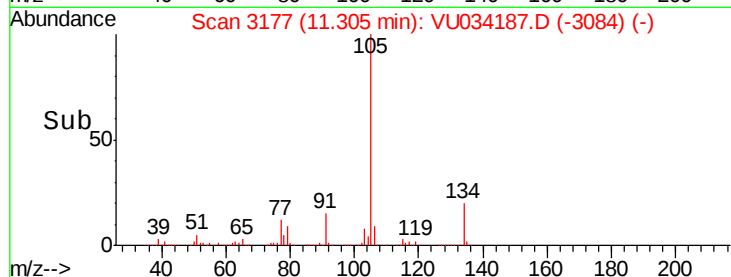
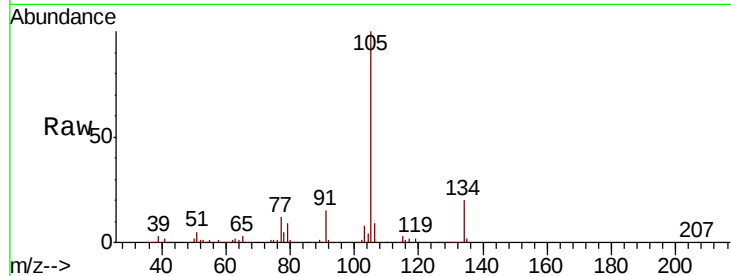




#85
 sec-Butylbenzene
 Concen: 51.009 ug/l
 RT: 11.31 min Scan# 3177
 Delta R.T. 0.00 min
 Lab File: VU034187.D
 Acq: 02 Sep 2019 09:13

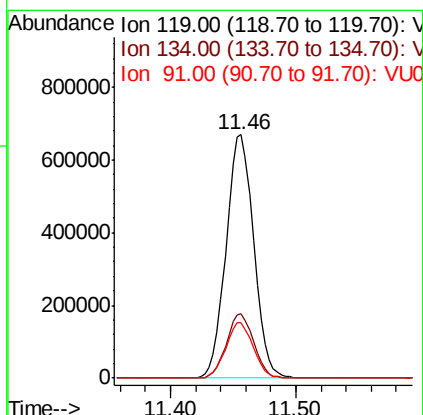
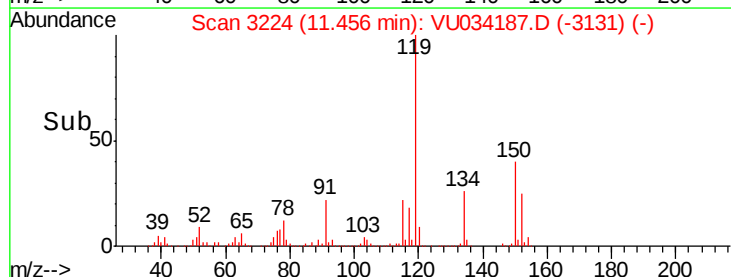
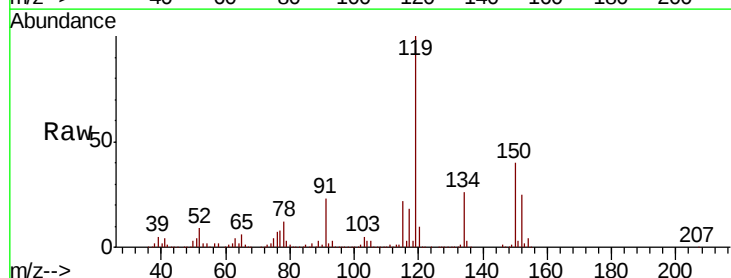
Instrument :
 MSVOA_U
 ClientSampleId :
 BFB

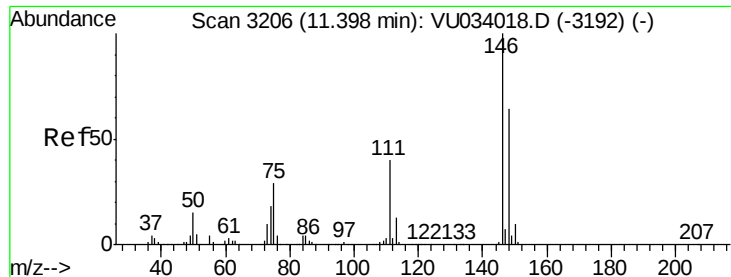
Tgt Ion:105 Resp: 1091432
 Ion Ratio Lower Upper
 105 100
 134 19.9 10.0 30.0



#86
 p-Isopropyltoluene
 Concen: 52.537 ug/l
 RT: 11.46 min Scan# 3224
 Delta R.T. 0.00 min
 Lab File: VU034187.D
 Acq: 02 Sep 2019 09:13

Tgt Ion:119 Resp: 1016684
 Ion Ratio Lower Upper
 119 100
 134 26.2 13.1 39.1
 91 22.6 11.2 33.6

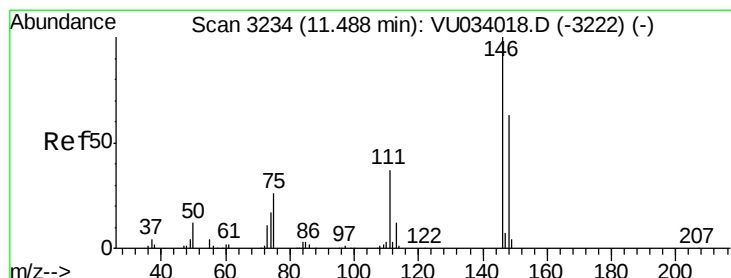
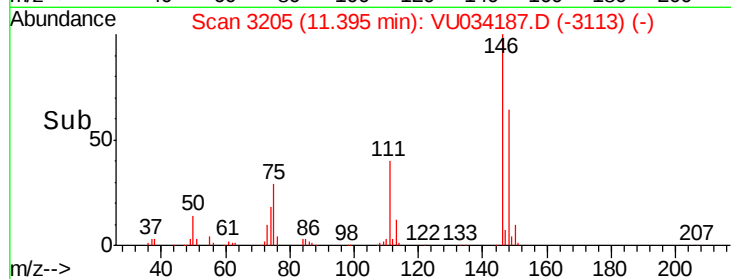
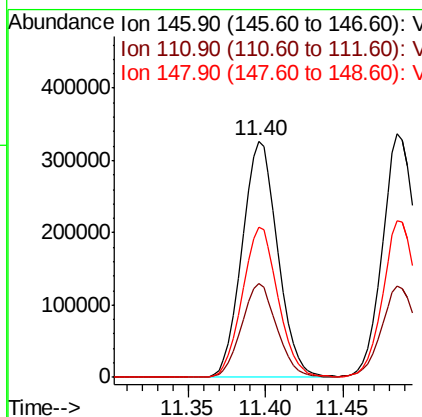
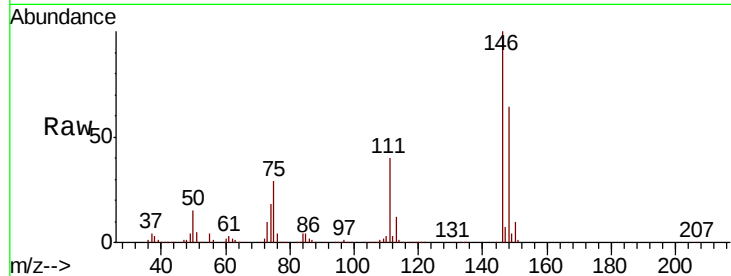




#87
 1,3-Dichlorobenzene
 Concen: 51.383 ug/l
 RT: 11.40 min Scan# 3205
 Delta R.T. -0.00 min
 Lab File: VU034187.D
 Acq: 02 Sep 2019 09:13

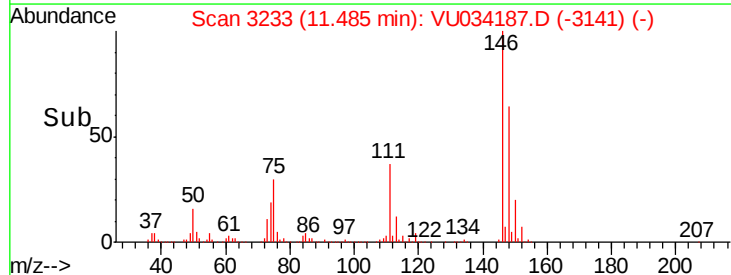
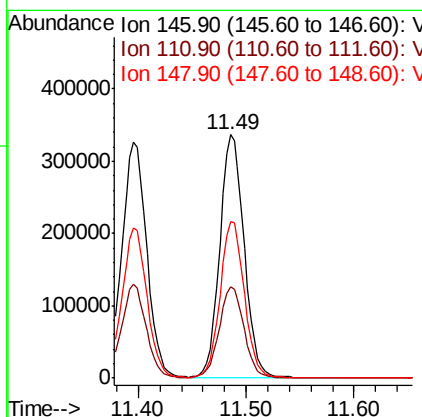
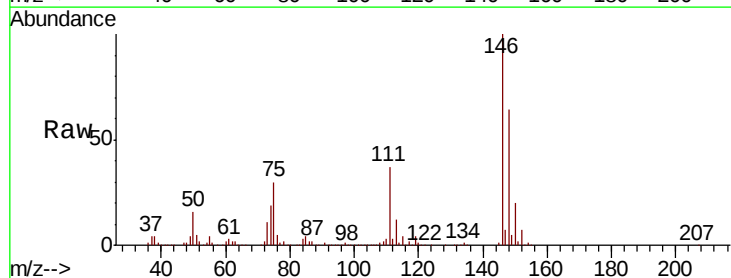
Instrument :
 MSVOA_U
 ClientSampled :
 BFB

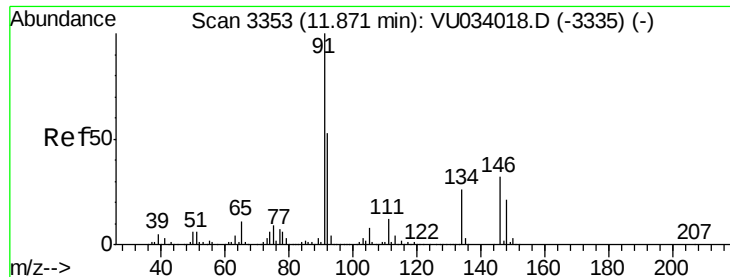
Tgt Ion:146 Resp: 523577
 Ion Ratio Lower Upper
 146 100
 111 39.3 19.9 59.6
 148 63.8 31.9 95.5



#88
 1,4-Dichlorobenzene
 Concen: 51.150 ug/l
 RT: 11.49 min Scan# 3233
 Delta R.T. -0.00 min
 Lab File: VU034187.D
 Acq: 02 Sep 2019 09:13

Tgt Ion:146 Resp: 527102
 Ion Ratio Lower Upper
 146 100
 111 38.3 19.2 57.6
 148 63.8 31.9 95.9





#89

n-Butylbenzene

Concen: 54.570 ug/l

RT: 11.87 min Scan# 3352

Delta R.T. -0.00 min

Lab File: VU034187.D

Acq: 02 Sep 2019 09:13

Instrument :

MSVOA_U

ClientSampleId :

BFB

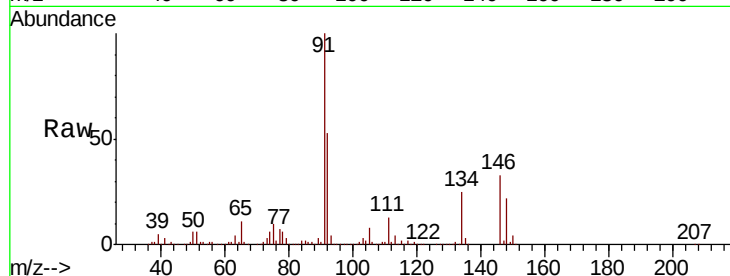
Tgt Ion: 91 Resp: 931045

Ion Ratio Lower Upper

91 100

92 52.8 26.3 78.9

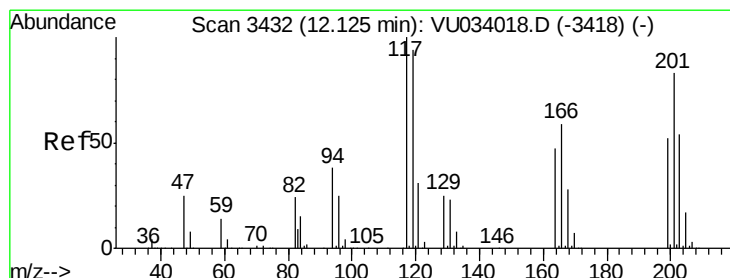
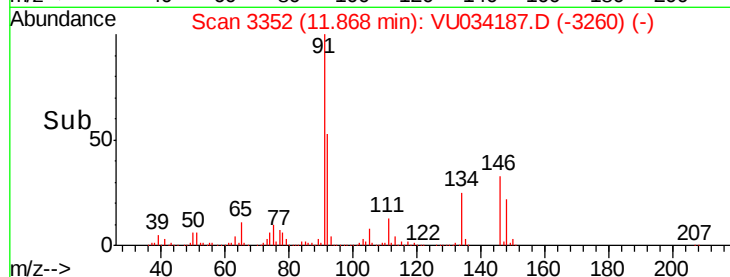
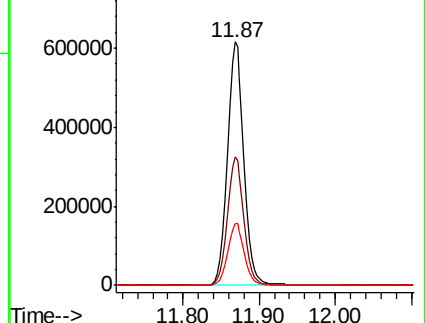
134 25.5 12.9 38.7



Abundance Ion 91.00 (90.70 to 91.70): VU034187.D (-3353) (-)

Ion 92.00 (91.70 to 92.70): VU034187.D (-3353) (-)

Ion 134.00 (133.70 to 134.70): VU034187.D (-3353) (-)



#90

Hexachloroethane

Concen: 45.568 ug/l

RT: 12.13 min Scan# 3432

Delta R.T. 0.00 min

Lab File: VU034187.D

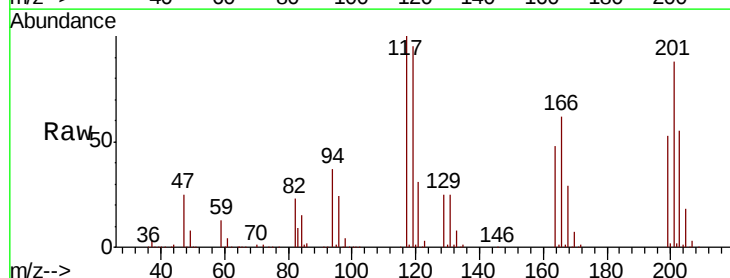
Acq: 02 Sep 2019 09:13

Tgt Ion: 117 Resp: 152462

Ion Ratio Lower Upper

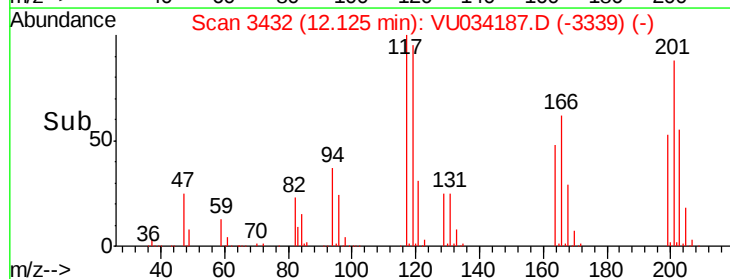
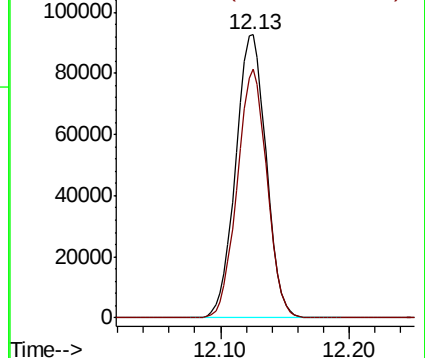
117 100

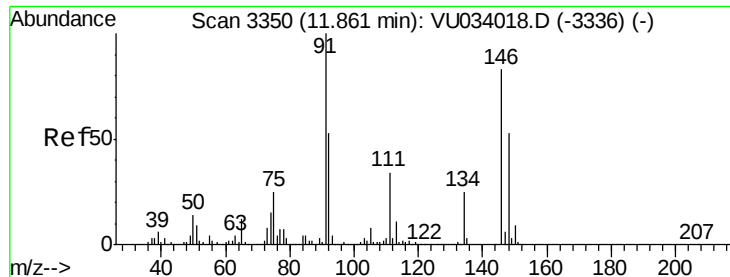
201 85.5 42.5 127.6



Abundance Ion 116.80 (116.50 to 117.50): VU034187.D (-3432) (-)

Ion 200.70 (200.40 to 201.40): VU034187.D (-3432) (-)

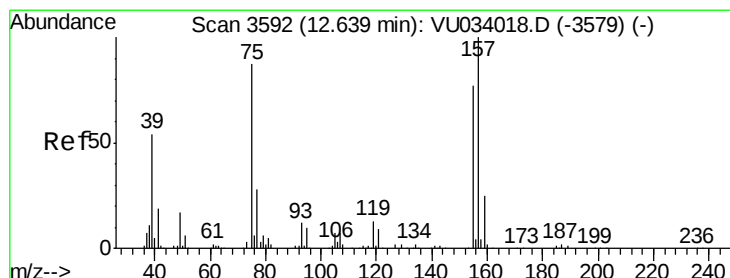
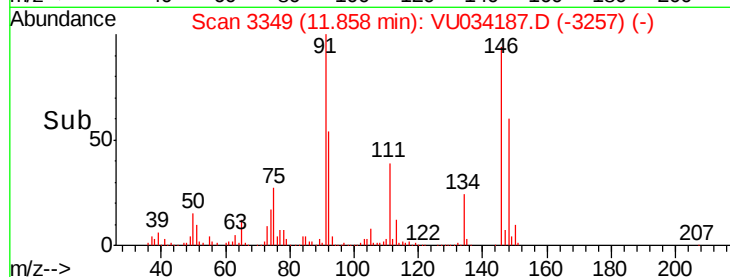
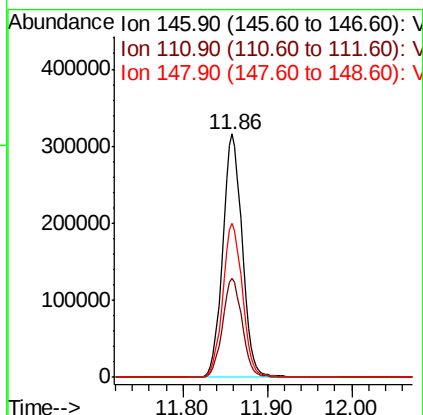
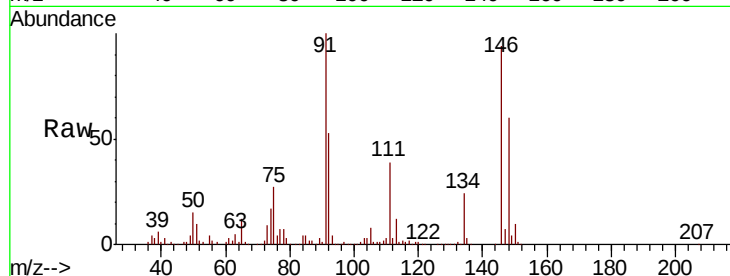




#91
 1,2-Dichlorobenzene
 Concen: 51.784 ug/l
 RT: 11.86 min Scan# 3349
 Delta R.T. -0.00 min
 Lab File: VU034187.D
 Acq: 02 Sep 2019 09:13

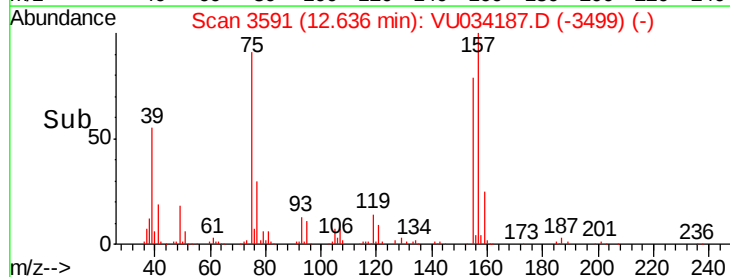
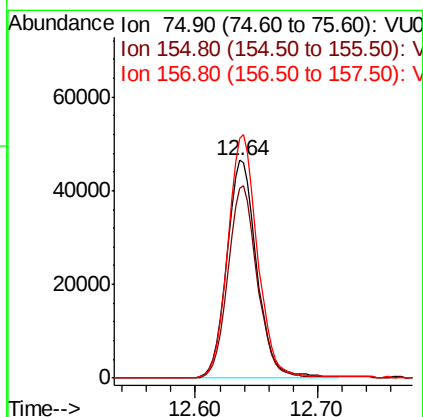
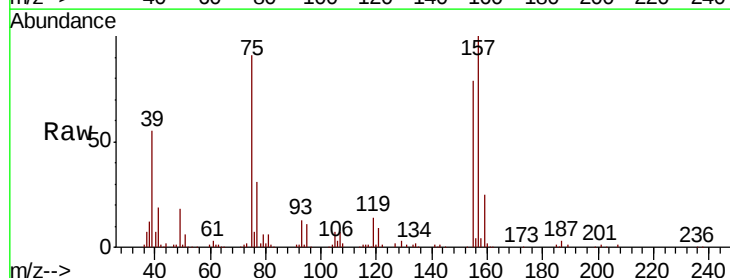
Instrument :
 MSVOA_U
 ClientSampleId :
 BFB

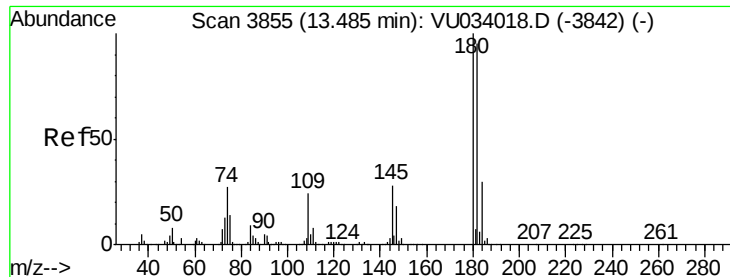
Tgt Ion: 146 Resp: 505461
 Ion Ratio Lower Upper
 146 100
 111 40.9 20.4 61.2
 148 64.0 32.3 96.8



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 49.143 ug/l
 RT: 12.64 min Scan# 3591
 Delta R.T. -0.00 min
 Lab File: VU034187.D
 Acq: 02 Sep 2019 09:13

Tgt Ion: 75 Resp: 80177
 Ion Ratio Lower Upper
 75 100
 155 86.7 43.5 130.7
 157 109.2 56.9 170.6

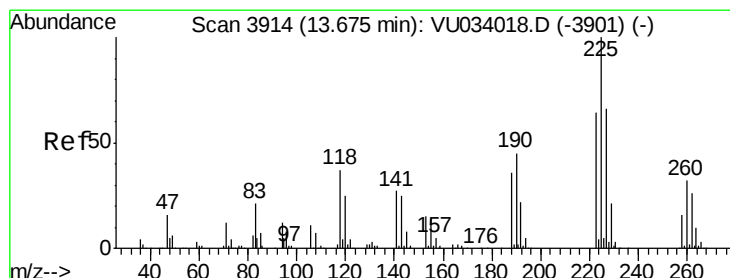
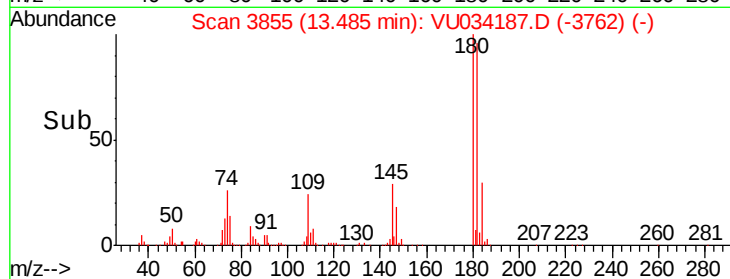
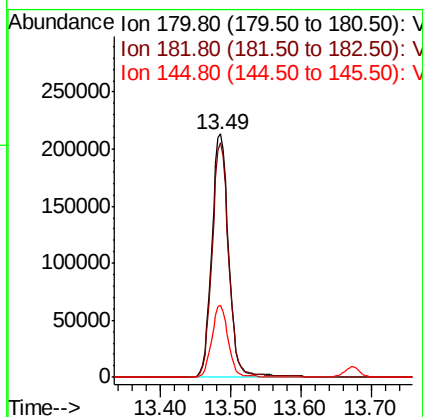
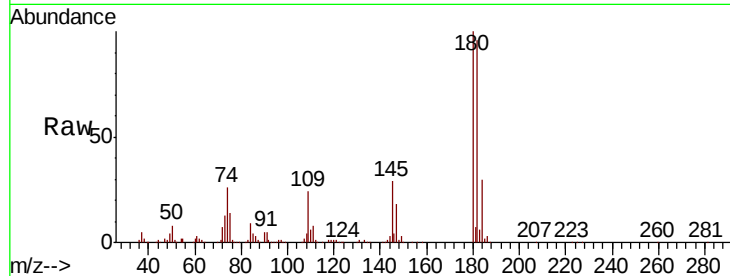




#93
 1,2,4-Trichlorobenzene
 Concen: 51.246 ug/l
 RT: 13.49 min Scan# 3855
 Delta R.T. 0.00 min
 Lab File: VU034187.D
 Acq: 02 Sep 2019 09:13

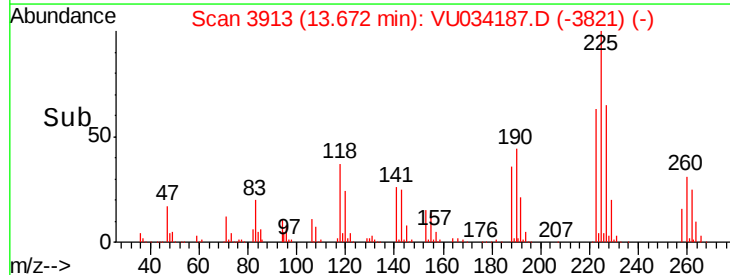
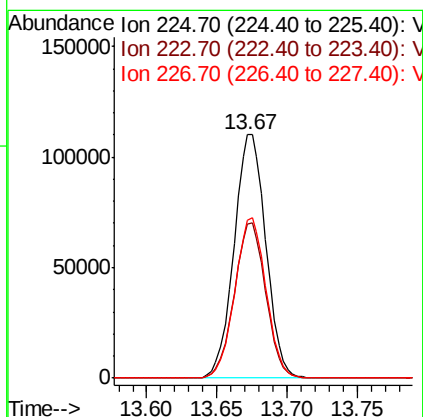
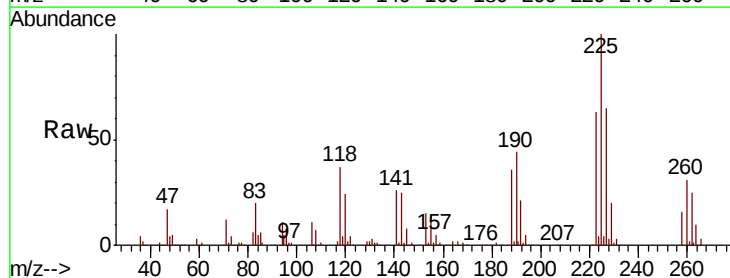
Instrument :
 MSVOA_U
 ClientSampled :
 BFB

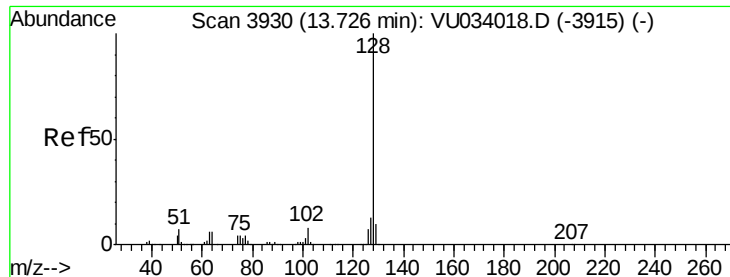
Tgt Ion:180 Resp: 355992
 Ion Ratio Lower Upper
 180 100
 182 93.4 47.4 142.2
 145 28.5 14.1 42.3



#94
 Hexachlorobutadiene
 Concen: 45.571 ug/l
 RT: 13.67 min Scan# 3913
 Delta R.T. -0.00 min
 Lab File: VU034187.D
 Acq: 02 Sep 2019 09:13

Tgt Ion:225 Resp: 174008
 Ion Ratio Lower Upper
 225 100
 223 62.9 31.8 95.3
 227 64.6 32.6 97.8

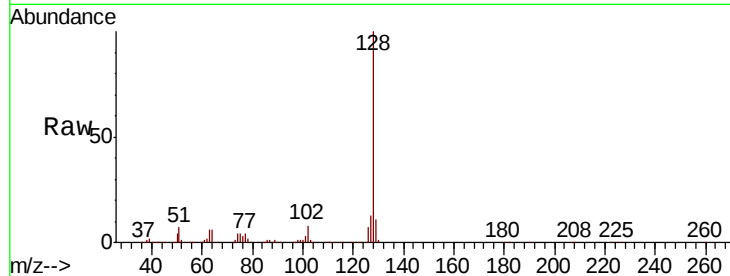




#95
Naphthalene
Concen: 48.143 ug/l
RT: 13.72 min Scan# 3929
Delta R.T. -0.00 min
Lab File: VU034187.D
Acq: 02 Sep 2019 09:13

Instrument :
MSVOA_U
ClientSampleId :
BFB

Tgt Ion	Ratio	Lower	Upper
128	100		
127	12.7	10.2	15.4
129	10.6	8.4	12.6

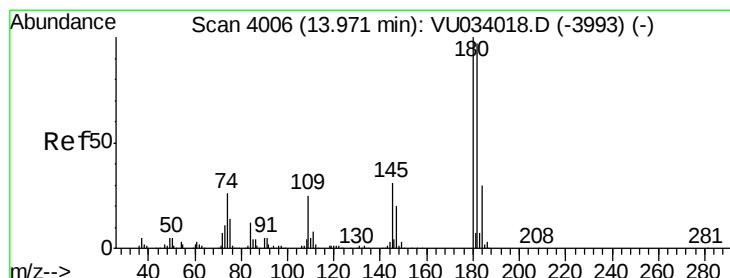
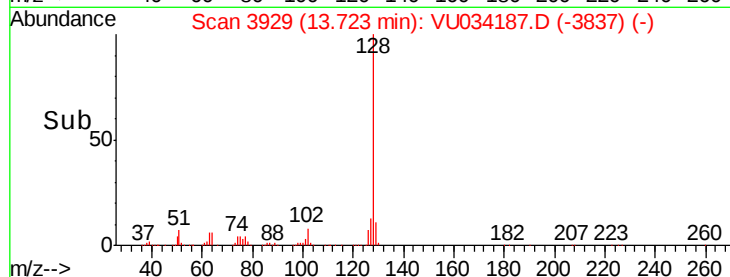
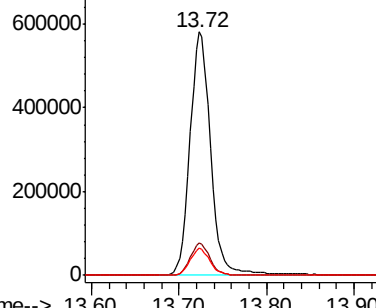


Abundance

Ion 128.00 (127.70 to 128.70): V

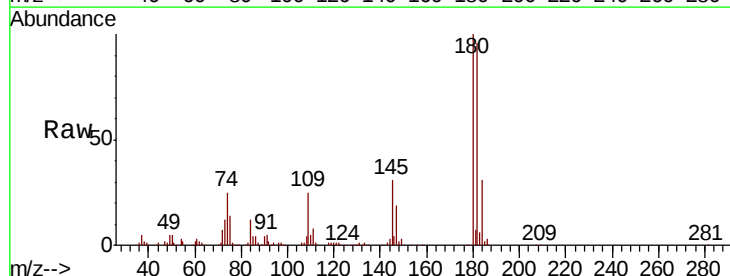
Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96
1,2,3-Trichlorobenzene
Concen: 54.917 ug/l
RT: 13.97 min Scan# 4005
Delta R.T. -0.00 min
Lab File: VU034187.D
Acq: 02 Sep 2019 09:13

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.4	48.2	144.6
145	30.8	15.5	46.5



Abundance

Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

