

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU090219\
 Data File : VU034165.D
 Acq On : 01 Sep 2019 13:46
 Operator : JC/SP
 Sample : VU0902WBS02
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Sep 02 08:31:54 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	397728	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.86	114	616869	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.07	117	603196	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.46	152	326863	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.29	65	248786	48.82	ug/l	0.00
Spiked Amount						
			Recovery	=	97.64%	
35) Dibromofluoromethane	4.86	113	212310	49.62	ug/l	0.00
Spiked Amount						
			Recovery	=	99.24%	
50) Toluene-d8	7.54	98	806689	50.35	ug/l	0.00
Spiked Amount						
			Recovery	=	100.70%	
62) 4-Bromofluorobenzene	10.29	95	302687	48.57	ug/l	0.00
Spiked Amount						
			Recovery	=	97.14%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	79676	19.919	ug/l	99
3) Chloromethane	1.32	50	100712	17.494	ug/l	98
4) Vinyl Chloride	1.40	62	104395	19.609	ug/l	99
5) Bromomethane	1.62	94	53916	17.232	ug/l	100
6) Chloroethane	1.69	64	64031	19.673	ug/l	100
7) Trichlorofluoromethane	1.88	101	124808	20.233	ug/l	99
8) Diethyl Ether	2.09	74	52955	20.067	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	2.28	101	78439	20.072	ug/l	99
10) Methyl Iodide	2.40	142	51876	9.358	ug/l	99
11) Tert butyl alcohol	2.81	59	104166	88.635	ug/l	100
12) 1,1-Dichloroethene	2.27	96	80613	20.246	ug/l	99
13) Acrolein	2.18	56	28437	57.520	ug/l	98
14) Allyl chloride	2.58	41	132623	17.716	ug/l	93
15) Acrylonitrile	2.92	53	277133	102.765	ug/l	99
16) Acetone	2.31	43	239355	92.048	ug/l	98
17) Carbon Disulfide	2.47	76	226756	17.994	ug/l	100
18) Methyl Acetate	2.60	43	131152	19.518	ug/l	99
19) Methyl tert-butyl Ether	2.98	73	272602	20.896	ug/l	99
20) Methylene Chloride	2.69	84	98816	20.073	ug/l	96
21) trans-1,2-Dichloroethene	2.97	96	87356	20.215	ug/l	99
22) Diisopropyl ether	3.55	45	292597	21.330	ug/l	93
23) Vinyl Acetate	3.50	43	1216136	103.202	ug/l	99
24) 1,1-Dichloroethane	3.43	63	168534	20.810	ug/l	99
25) 2-Butanone	4.24	43	361758	99.995	ug/l	100
26) 2,2-Dichloropropane	4.20	77	129465	19.646	ug/l	99
27) cis-1,2-Dichloroethene	4.21	96	99028	20.417	ug/l	97
28) Bromochloromethane	4.52	49	85047	21.314	ug/l	100
29) Tetrahydrofuran	4.62	42	233768	104.779	ug/l	98
30) Chloroform	4.65	83	164657	20.377	ug/l	99
31) Cyclohexane	4.97	56	144944	19.046	ug/l	96
32) 1,1,1-Trichloroethane	4.89	97	135527	20.479	ug/l	98
36) 1,1-Dichloropropene	5.12	75	115721	19.833	ug/l	99
37) Ethyl Acetate	4.36	43	133277	20.398	ug/l	100
38) Carbon Tetrachloride	5.11	117	115234	20.460	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.40	83	132860	19.319	ug/l	99
40) Benzene	5.37	78	368056	20.849	ug/l	99
41) Methacrylonitrile	4.52	41	70832	21.138	ug/l	99
42) 1,2-Dichloroethane	5.38	62	128313	21.049	ug/l	100
43) Isopropyl Acetate	5.53	43	201412	20.262	ug/l	99
44) Trichloroethene	6.17	130	96935	20.910	ug/l	100
45) 1,2-Dichloropropane	6.41	63	102913	21.178	ug/l	100
46) Dibromomethane	6.54	93	66718	21.310	ug/l	100
47) Bromodichloromethane	6.74	83	128168	20.924	ug/l	100
48) Methyl methacrylate	6.60	41	94547	19.711	ug/l	97
49) 1,4-Dioxane	6.59	88	40272	335.082	ug/l	99
51) 4-Methyl-2-Pentanone	7.44	43	690953	100.650	ug/l	99
52) Toluene	7.62	92	231437	21.282	ug/l	99
53) t-1,3-Dichloropropene	7.86	75	134810	19.835	ug/l	100
54) cis-1,3-Dichloropropene	7.25	75	152023	20.473	ug/l	99
55) 1,1,2-Trichloroethane	8.05	97	94840	20.618	ug/l	99
56) Ethyl methacrylate	8.00	69	133171	18.086	ug/l	99
57) 1,3-Dichloropropane	8.22	76	161971	20.738	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.11	63	232412	91.327	ug/l	100
59) 2-Hexanone	8.34	43	516889	99.740	ug/l	100
60) Dibromochloromethane	8.46	129	100491	20.352	ug/l	98
61) 1,2-Dibromoethane	8.57	107	96595	19.935	ug/l	97
64) Tetrachloroethene	8.21	164	85083	21.004	ug/l	99
65) Chlorobenzene	9.10	112	251626	20.271	ug/l	99
66) 1,1,1,2-Tetrachloroethane	9.19	131	87844	19.516	ug/l	99
67) Ethyl Benzene	9.23	91	422891	20.097	ug/l	99
68) m/p-Xylenes	9.36	106	324064	40.503	ug/l	99
69) o-Xylene	9.76	106	151457	19.731	ug/l	96
70) Styrene	9.77	104	274211	20.834	ug/l	100
71) Bromoform	9.94	173	74342	19.010	ug/l #	100
73) Isopropylbenzene	10.15	105	424604	19.340	ug/l	99
74) N-amyl acetate	9.99	43	171888	18.614	ug/l	99
75) 1,1,2,2-Tetrachloroethane	10.44	83	159588	18.991	ug/l	100
76) 1,2,3-Trichloropropane	10.48	75	175669	23.846	ug/l	86
77) Bromobenzene	10.43	156	112557	19.058	ug/l	97
78) n-propylbenzene	10.57	91	496159	19.405	ug/l	99
79) 2-Chlorotoluene	10.64	91	295860	19.291	ug/l	99
80) 1,3,5-Trimethylbenzene	10.75	105	368465	19.801	ug/l	100
81) trans-1,4-Dichloro-2-buten	10.48	75	175669	80.294	ug/l #	100
82) 4-Chlorotoluene	10.75	91	347551	19.705	ug/l	100
83) tert-Butylbenzene	11.08	119	338463	18.476	ug/l	98
84) 1,2,4-Trimethylbenzene	11.13	105	367894	19.910	ug/l	100
85) sec-Butylbenzene	11.30	105	419384	19.101	ug/l	99
86) p-Isopropyltoluene	11.46	119	387840	19.531	ug/l	99
87) 1,3-Dichlorobenzene	11.40	146	206835	19.782	ug/l	99
88) 1,4-Dichlorobenzene	11.49	146	209321	19.795	ug/l	99
89) n-Butylbenzene	11.87	91	336516	19.222	ug/l	100
90) Hexachloroethane	12.12	117	55760	16.241	ug/l	98
91) 1,2-Dichlorobenzene	11.86	146	200224	19.991	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.64	75	31835	19.016	ug/l	94

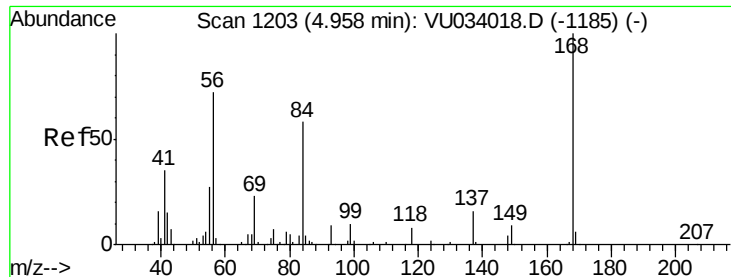
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.49	180	125230	18.301	ug/l	98
94) Hexachlorobutadiene	13.67	225	62911	16.056	ug/l	100
95) Naphthalene	13.72	128	342093	17.957	ug/l	100
96) 1,2,3-Trichlorobenzene	13.97	180	128117	19.968	ug/l	97

(#) = 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: VU034165.D

Acq: 01 Sep 2019 13:46

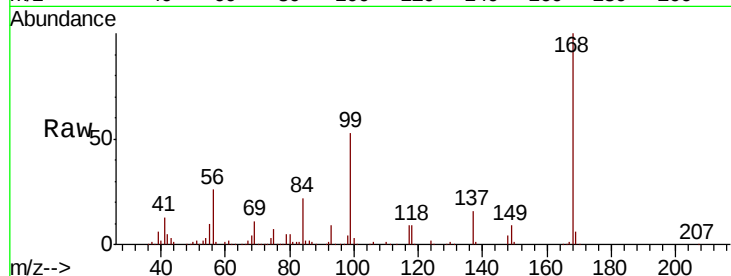
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion:168 Resp: 397728

Ion Ratio Lower Upper

168 100

99 52.5 42.3 63.5



Abundance Ion 167.90 (167.60 to 168.60): VU034018.D (-1185) (-)

Ion 98.90 (98.60 to 99.60): VU034018.D (-1185) (-)

4.96

150000

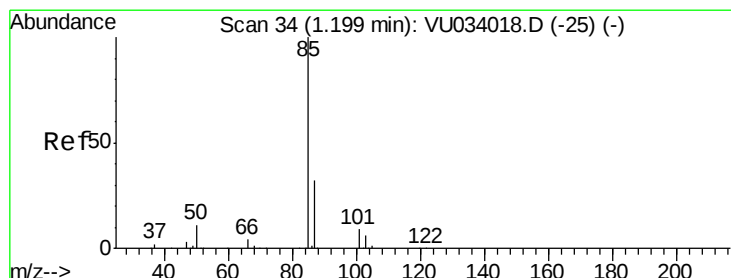
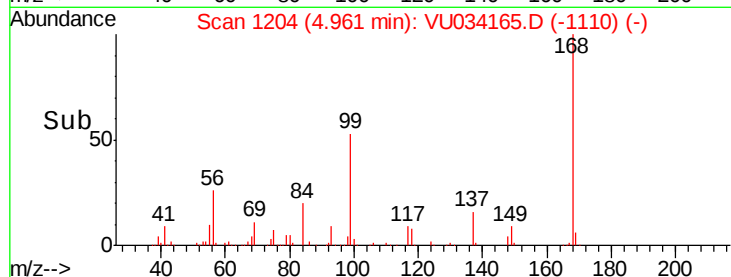
100000

50000

0

4.90 5.00 5.10

Time-->



#2

Dichlorodifluoromethane

Concen: 19.919 ug/l

RT: 1.20 min Scan# 35

Delta R.T. 0.00 min

Lab File: VU034165.D

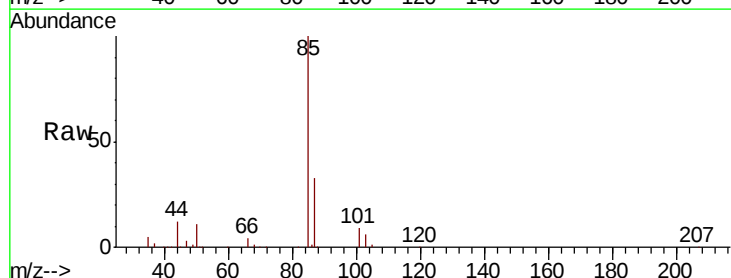
Acq: 01 Sep 2019 13:46

Tgt Ion: 85 Resp: 79676

Ion Ratio Lower Upper

85 100

87 32.9 16.1 48.3



Abundance Ion 84.90 (84.60 to 85.60): VU034018.D (-25) (-)

Ion 86.90 (86.60 to 87.60): VU034018.D (-25) (-)

1.20

80000

60000

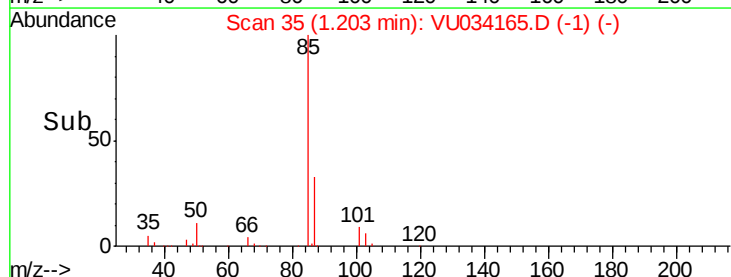
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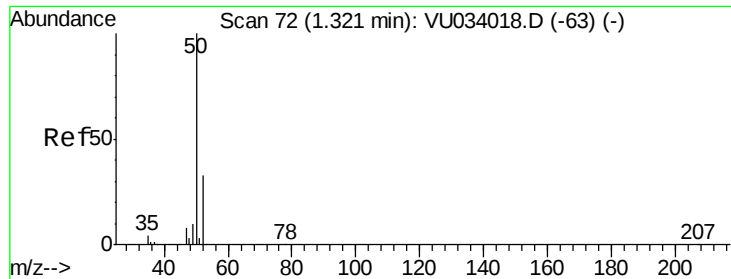
20000

0

1.15 1.20 1.25

Time-->





#3

Chloromethane

Concen: 17.494 ug/l

RT: 1.32 min Scan# 73

Delta R.T. 0.00 min

Lab File: VU034165.D

Acq: 01 Sep 2019 13:46

Instrument :

MSVOA_U

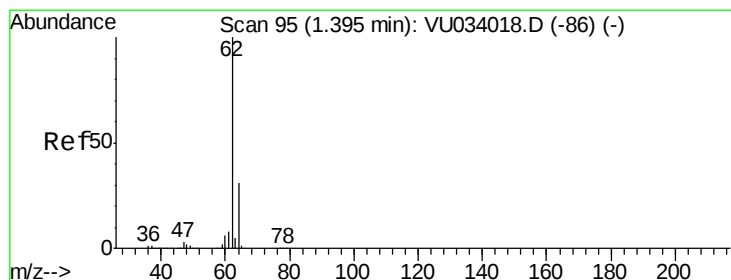
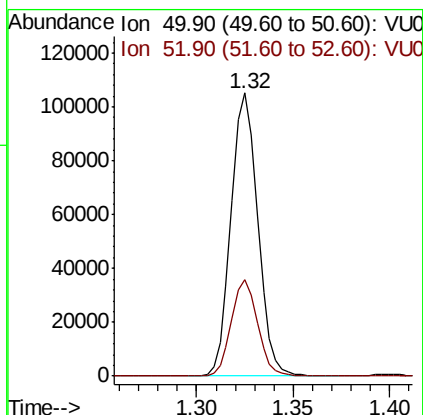
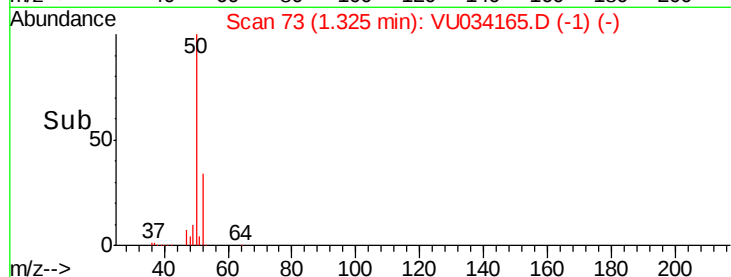
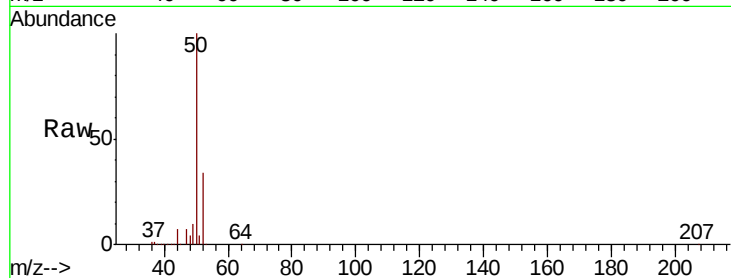
ClientSampled :

Tot Ion: 50 Resp: 100712

Ion Ratio Lower Upper

50 100

52 34.2 26.2 39.4



#4

Vinyl Chloride

Concen: 19.609 ug/l

RT: 1.40 min Scan# 96

Delta R.T. 0.00 min

Lab File: VU034165.D

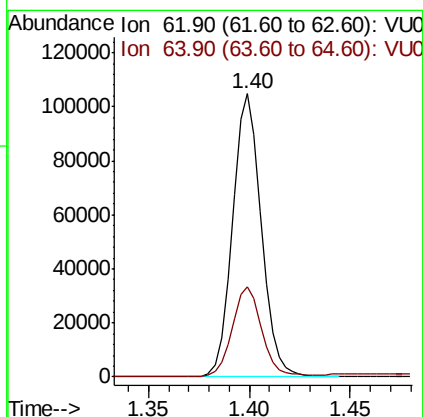
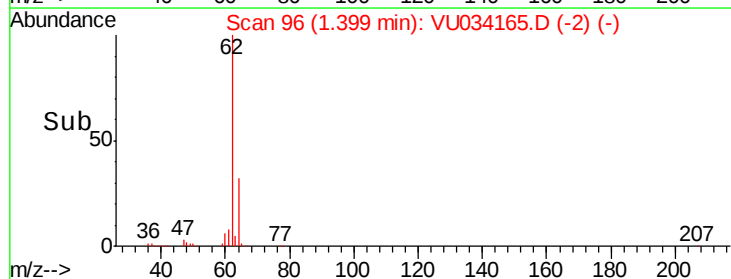
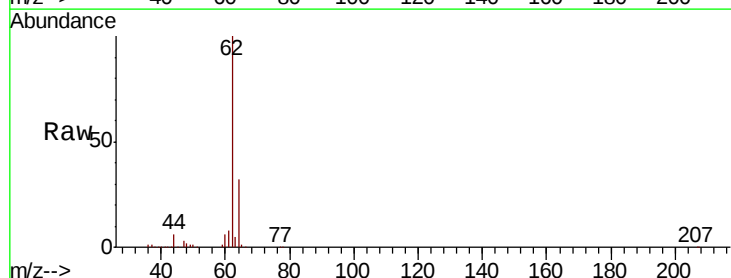
Acq: 01 Sep 2019 13:46

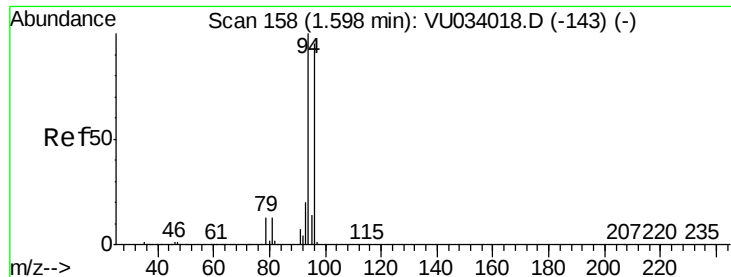
Tgt Ion: 62 Resp: 104395

Ion Ratio Lower Upper

62 100

64 31.6 25.0 37.6





#5

Bromomethane

Concen: 17.232 ug/l

RT: 1.62 min Scan# 165

Delta R.T. 0.02 min

Lab File: VU034165.D

Acq: 01 Sep 2019 13:46

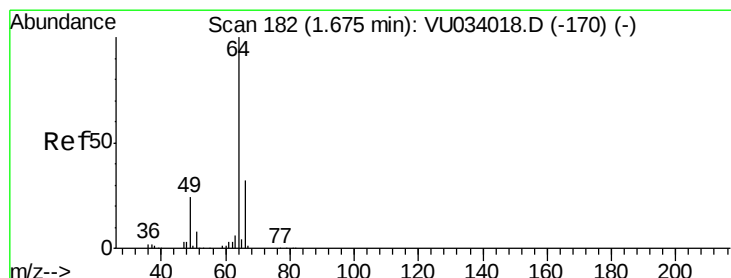
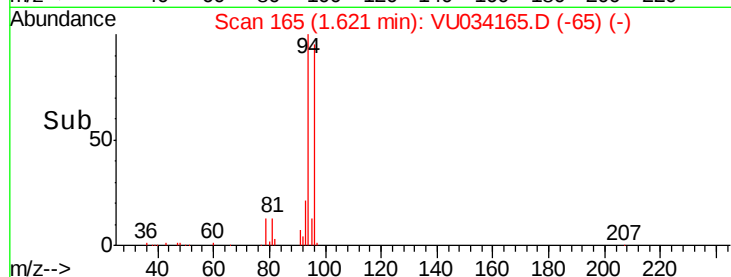
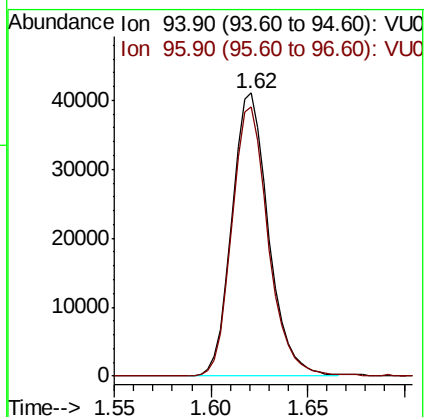
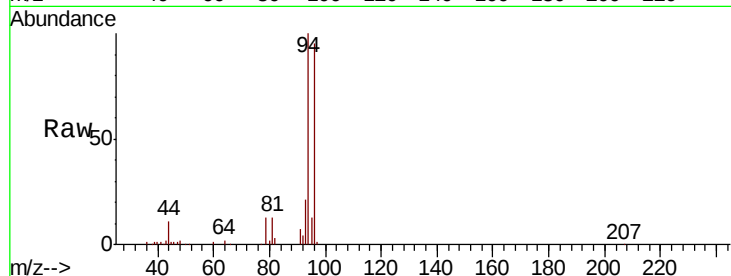
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 94 Resp: 53916

Ion Ratio Lower Upper

94 100

96 95.1 76.3 114.5



#6

Chloroethane

Concen: 19.673 ug/l

RT: 1.69 min Scan# 187

Delta R.T. 0.02 min

Lab File: VU034165.D

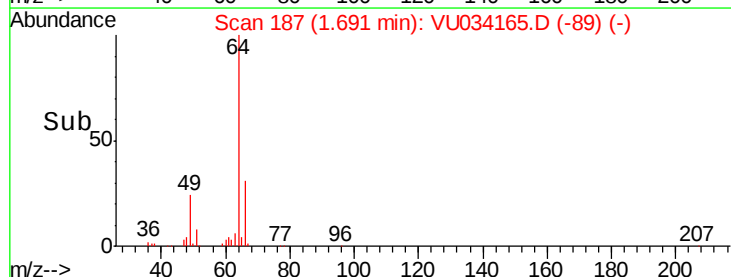
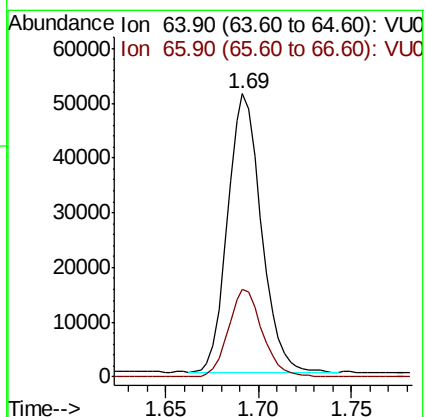
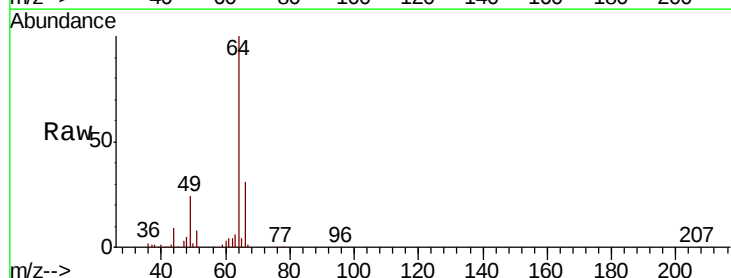
Acq: 01 Sep 2019 13:46

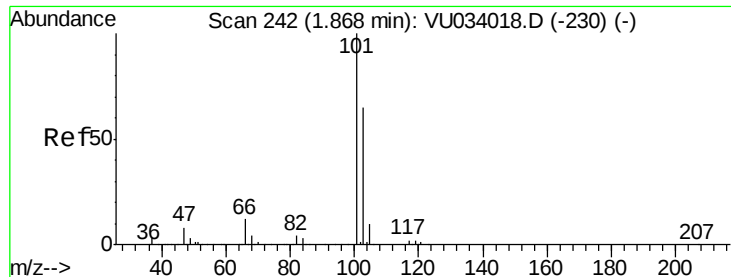
Tgt Ion: 64 Resp: 64031

Ion Ratio Lower Upper

64 100

66 31.6 25.5 38.3



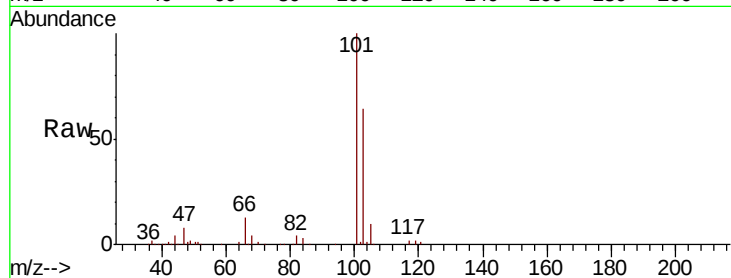


#7

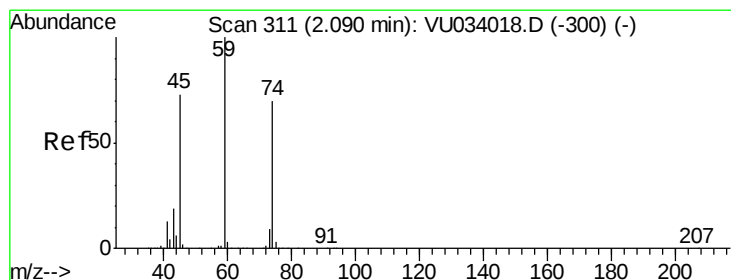
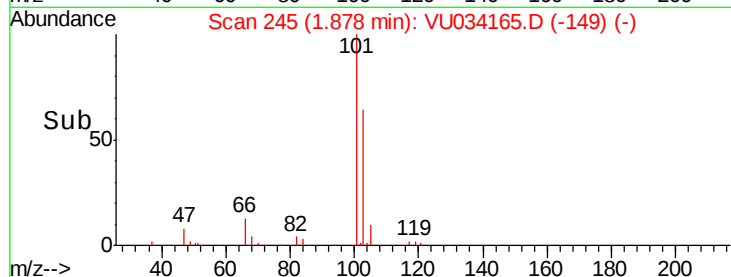
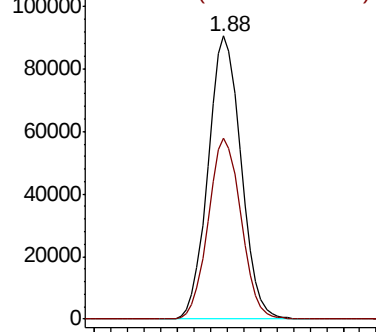
Trichlorofluoromethane
Concen: 20.233 ug/l
RT: 1.88 min Scan# 245
Delta R.T. 0.01 min
Lab File: VU034165.D
Acq: 01 Sep 2019 13:46

Instrument :
MSVOA_U
ClientSampled :

Tot Ion:101 Resp: 124808
Ion Ratio Lower Upper
101 100
103 64.1 52.1 78.1



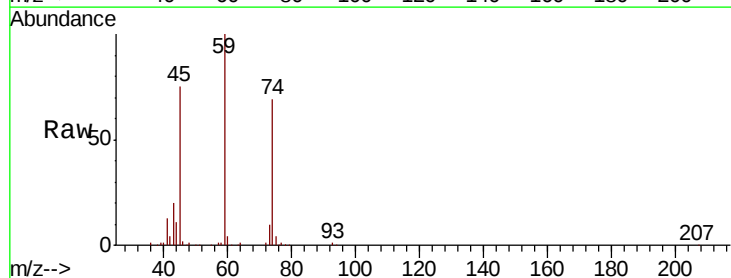
Abundance Ion 100.90 (100.60 to 101.60): V
Ion 102.80 (102.50 to 103.50): V



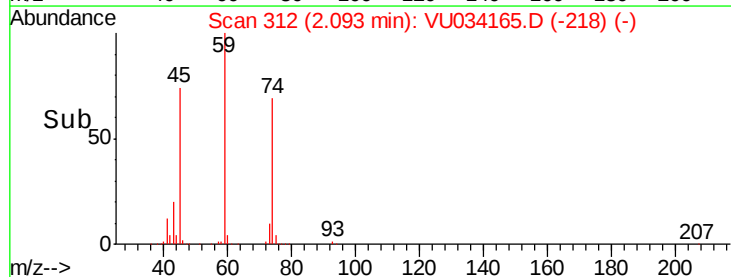
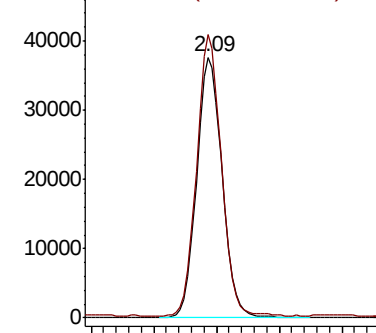
#8

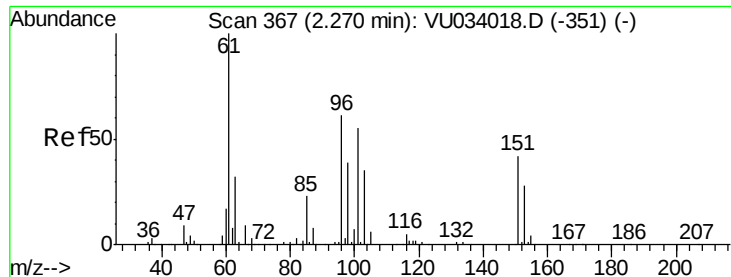
Diethyl Ether
Concen: 20.067 ug/l
RT: 2.09 min Scan# 312
Delta R.T. 0.00 min
Lab File: VU034165.D
Acq: 01 Sep 2019 13:46

Tgt Ion: 74 Resp: 52955
Ion Ratio Lower Upper
74 100
45 104.0 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: 20.072 ug/l

RT: 2.28 min Scan# 369

Delta R.T. 0.01 min

Lab File: VU034165.D

Acq: 01 Sep 2019 13:46

Instrument :

MSVOA_U

ClientSampled :

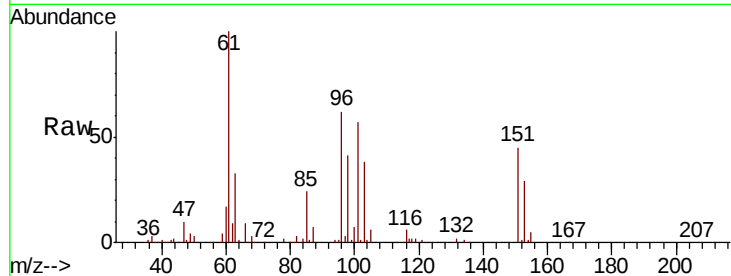
Tot Ion:101 Resp: 78439

Ion Ratio Lower Upper

101 100

85 43.2 34.2 51.2

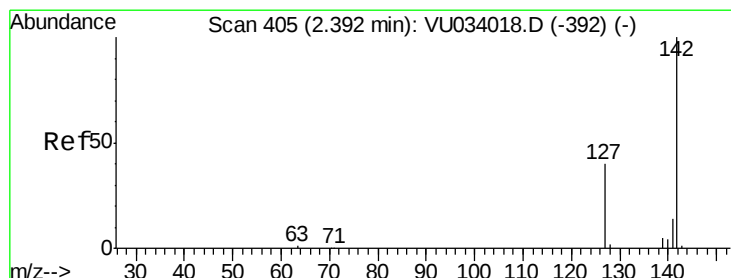
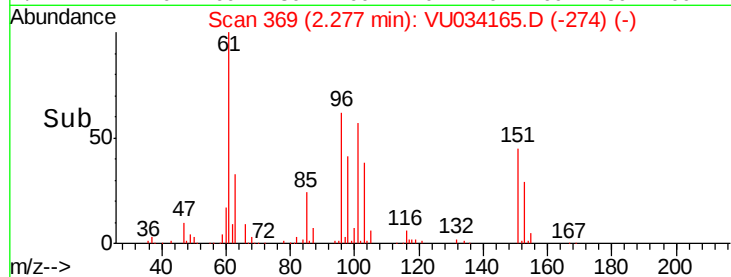
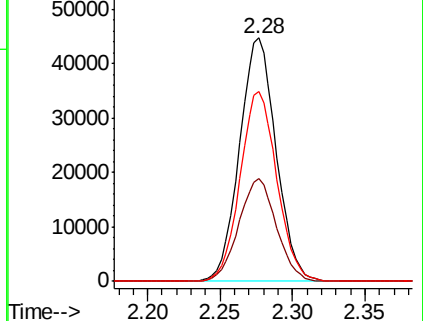
151 78.4 61.4 92.2



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VU0

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 9.358 ug/l

RT: 2.40 min Scan# 407

Delta R.T. 0.01 min

Lab File: VU034165.D

Acq: 01 Sep 2019 13:46

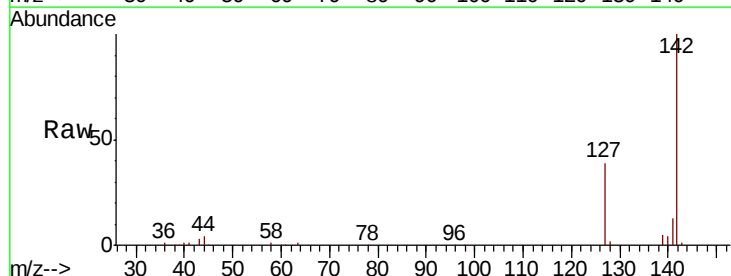
Tgt Ion:142 Resp: 51876

Ion Ratio Lower Upper

142 100

127 39.9 32.6 48.8

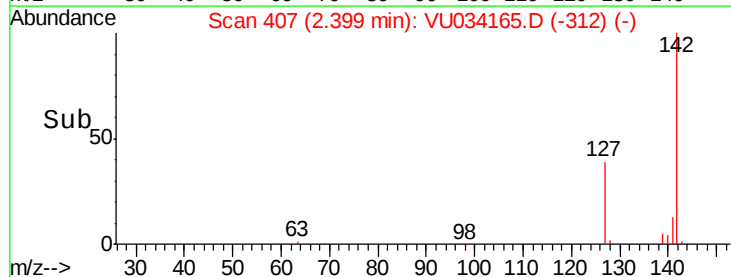
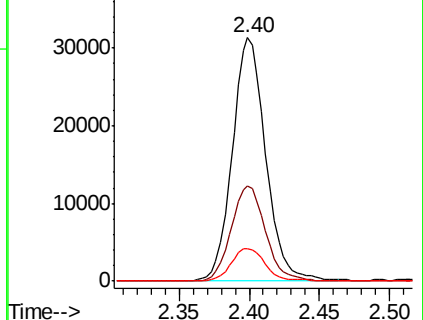
141 13.6 11.3 16.9

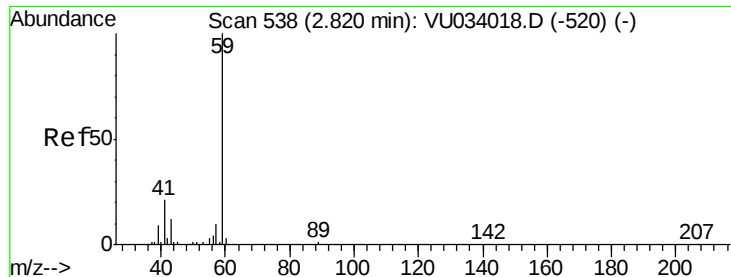


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



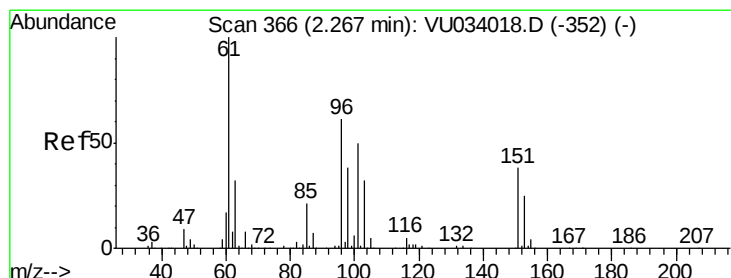
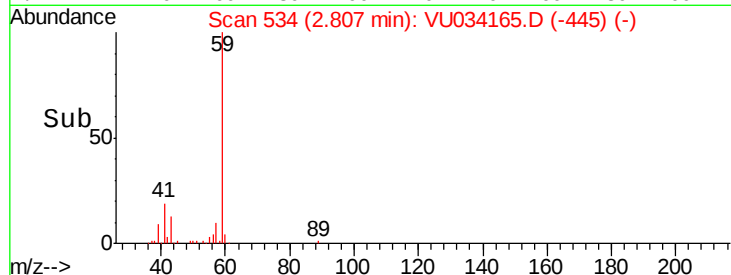
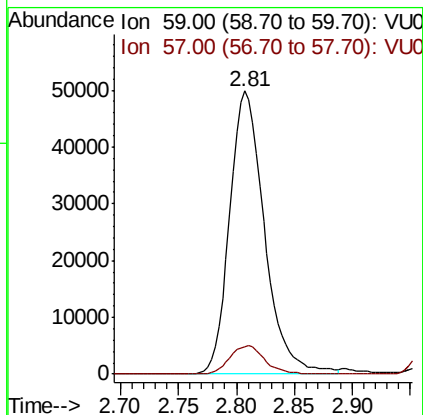
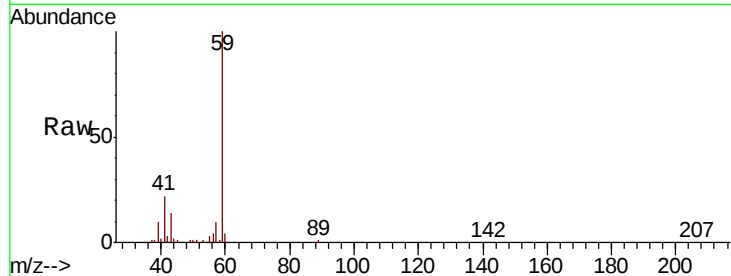


#11

Tert butyl alcohol
 Concen: 88.635 ug/l
 RT: 2.81 min Scan# 534
 Delta R.T. -0.01 min
 Lab File: VU034165.D
 Acq: 01 Sep 2019 13:46

Instrument :
 MSVOA_U
 ClientSampled :

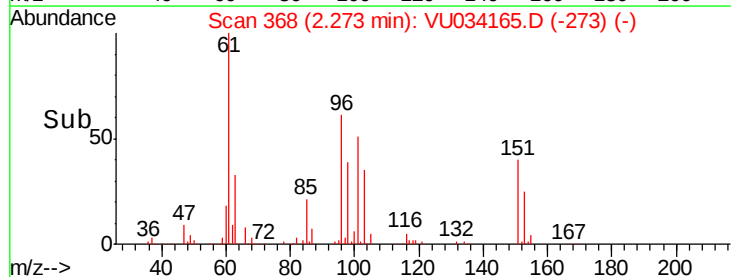
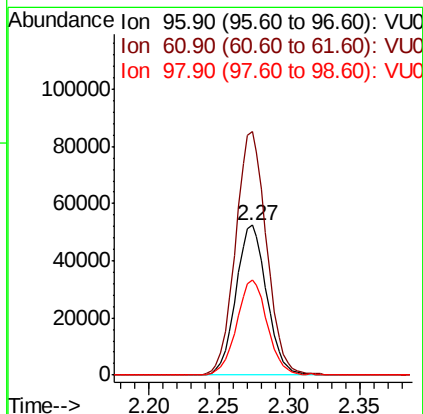
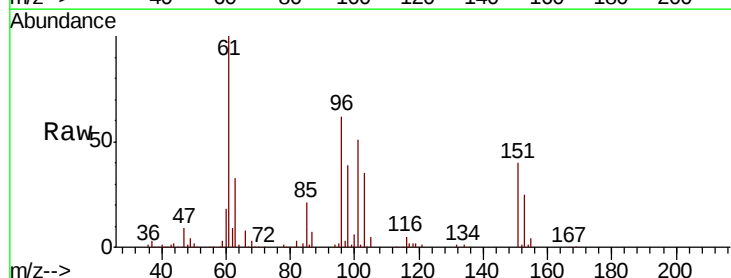
Tot Ion: 59 Resp: 104166
 Ion Ratio Lower Upper
 59 100
 57 10.1 8.0 12.0

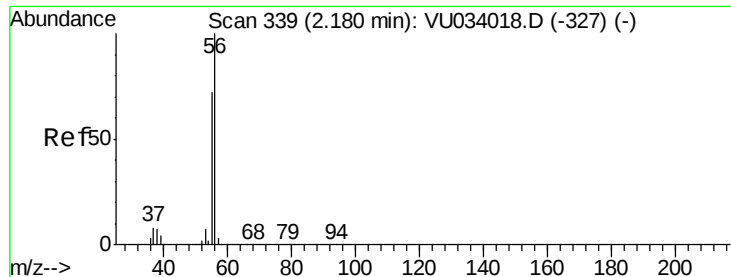


#12

1,1-Dichloroethene
 Concen: 20.246 ug/l
 RT: 2.27 min Scan# 368
 Delta R.T. 0.01 min
 Lab File: VU034165.D
 Acq: 01 Sep 2019 13:46

Tgt Ion: 96 Resp: 80613
 Ion Ratio Lower Upper
 96 100
 61 162.5 131.3 196.9
 98 63.8 50.3 75.5





#13

Acrolein

Concen: 57.520 ug/l

RT: 2.18 min Scan# 340

Delta R.T. 0.00 min

Lab File: VU034165.D

Acq: 01 Sep 2019 13:46

Instrument :

MSVOA_U

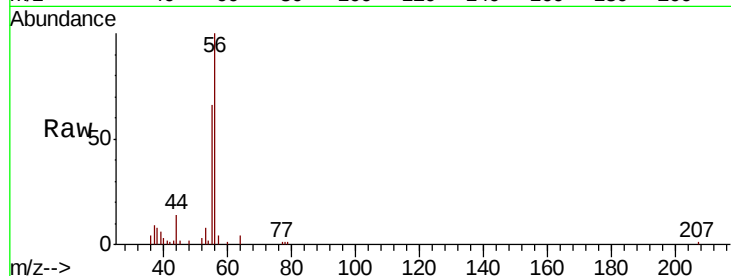
ClientSampleId :

Tot Ion: 56 Resp: 28437

Ion Ratio Lower Upper

56 100

55 69.5 57.1 85.7



Abundance Ion 56.00 (55.70 to 56.70): VU034018.D (-327) (-)

Ion 55.00 (54.70 to 55.70): VU034018.D (-327) (-)

2.18

20000

15000

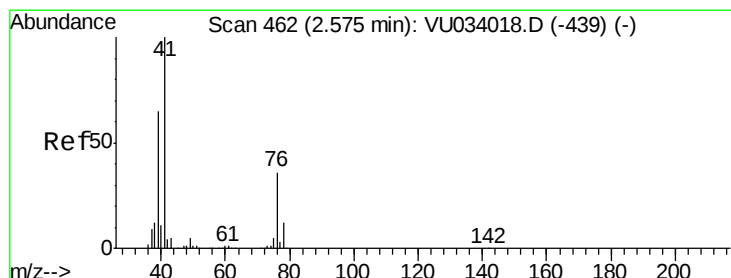
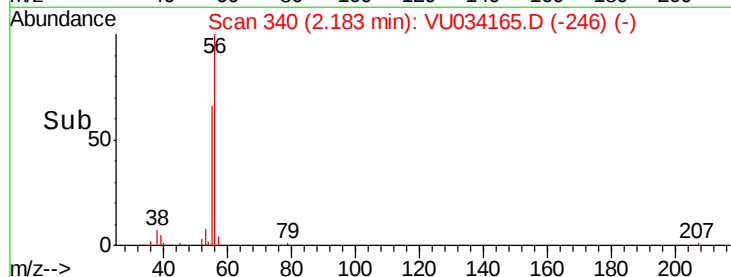
10000

5000

0

Time-->

2.15 2.20 2.25



#14

Allyl chloride

Concen: 17.716 ug/l

RT: 2.58 min Scan# 463

Delta R.T. 0.00 min

Lab File: VU034165.D

Acq: 01 Sep 2019 13:46

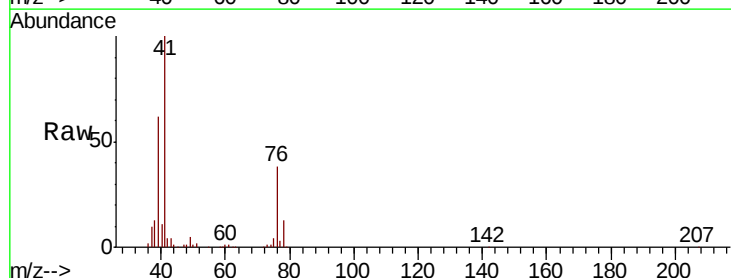
Tgt Ion: 41 Resp: 132623

Ion Ratio Lower Upper

41 100

39 63.6 46.8 70.2

76 37.7 26.6 40.0



Abundance Ion 41.00 (40.70 to 41.70): VU034018.D (-439) (-)

Ion 39.00 (38.70 to 39.70): VU034018.D (-439) (-)

Ion 75.90 (75.60 to 76.60): VU034018.D (-439) (-)

2.58

100000

80000

60000

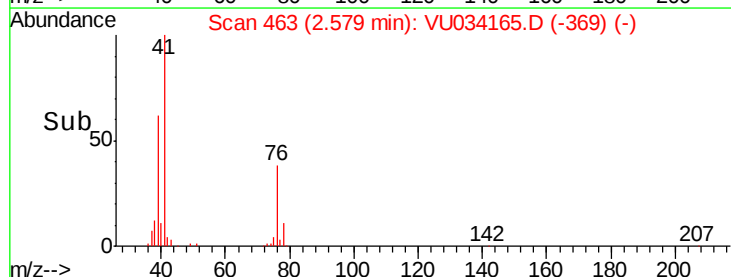
40000

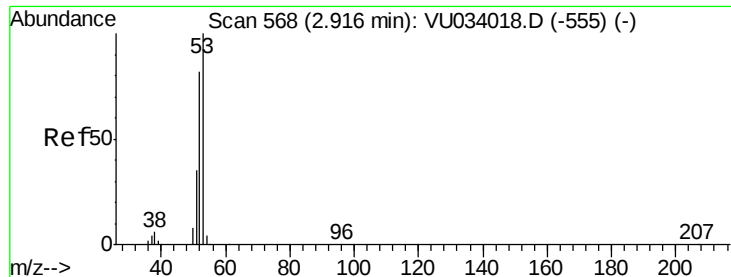
20000

0

Time-->

2.50 2.55 2.60 2.65





#15

Acrylonitrile

Concen: 102.765 ug/l

RT: 2.92 min Scan# 569

Delta R.T. 0.00 min

Lab File: VU034165.D

Acq: 01 Sep 2019 13:46

Instrument :
MSVOA_U
ClientSampleId :

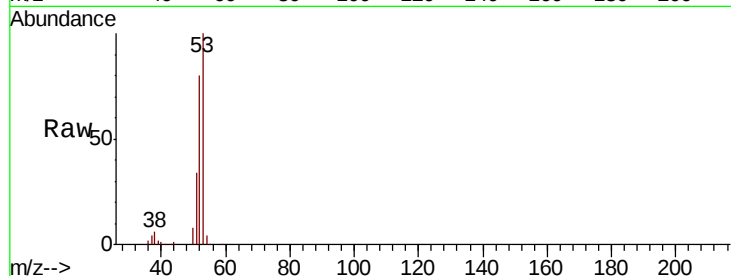
Tot Ion: 53 Resp: 277133

Ion Ratio Lower Upper

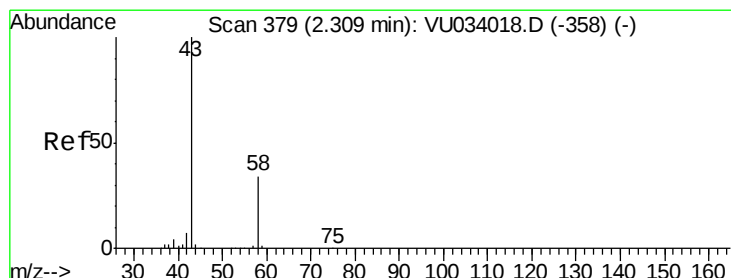
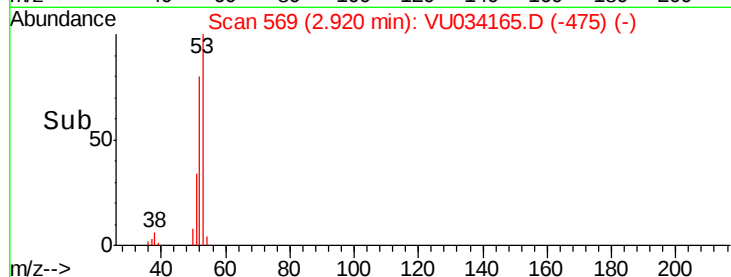
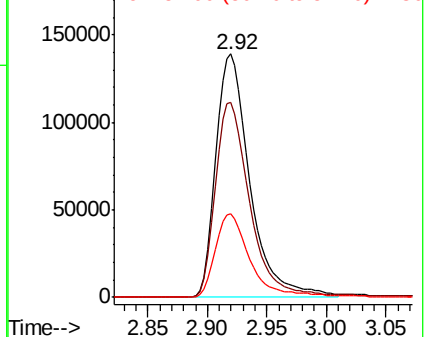
53 100

52 81.1 65.7 98.5

51 35.1 27.9 41.9



Abundance Ion 53.00 (52.70 to 53.70): VU0
Ion 52.00 (51.70 to 52.70): VU0
Ion 51.00 (50.70 to 51.70): VU0



#16

Acetone

Concen: 92.048 ug/l

RT: 2.31 min Scan# 379

Delta R.T. 0.00 min

Lab File: VU034165.D

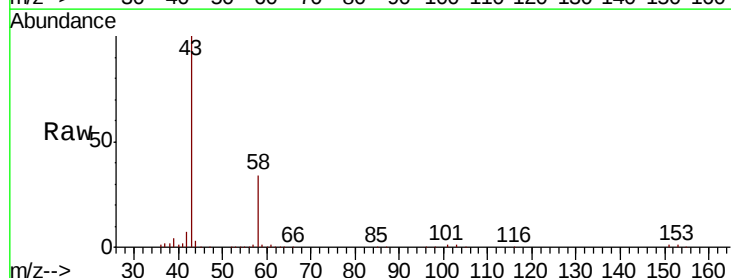
Acq: 01 Sep 2019 13:46

Tgt Ion: 43 Resp: 239355

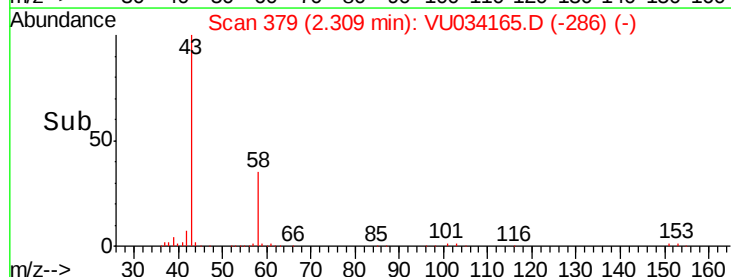
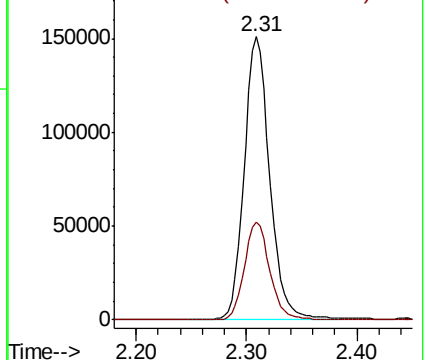
Ion Ratio Lower Upper

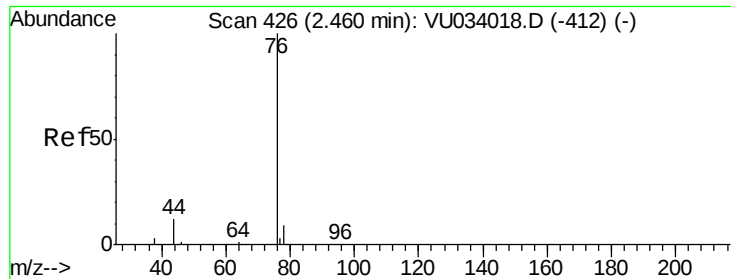
43 100

58 34.6 26.8 40.2



Abundance Ion 43.00 (42.70 to 43.70): VU0
Ion 58.00 (57.70 to 58.70): VU0

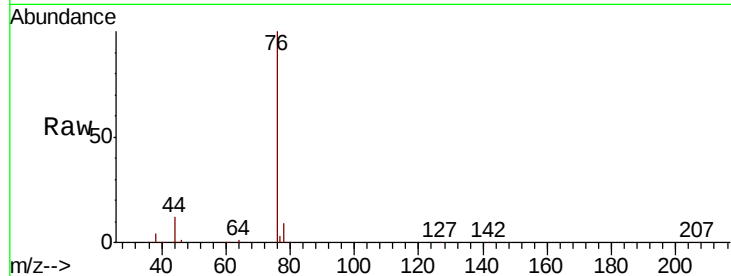




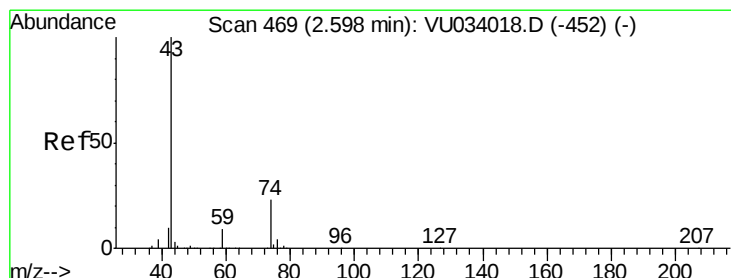
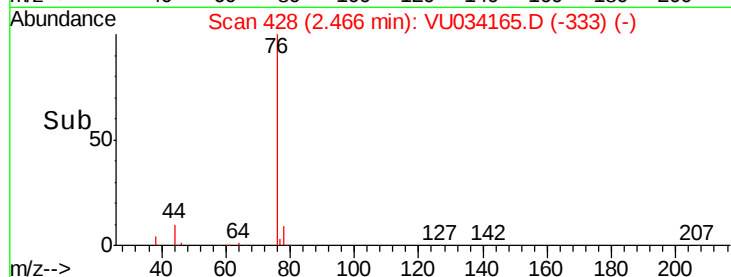
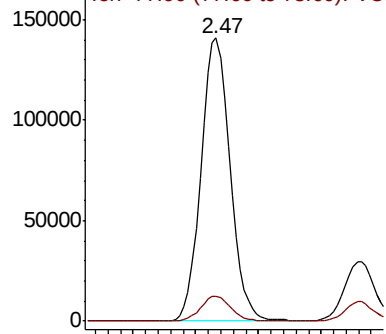
#17
Carbon Disulfide
Concen: 17.994 ug/l
RT: 2.47 min Scan# 428
Delta R.T. 0.01 min
Lab File: VU034165.D
Acq: 01 Sep 2019 13:46

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 76 Resp: 226756
Ion Ratio Lower Upper
76 100
78 8.9 7.1 10.7

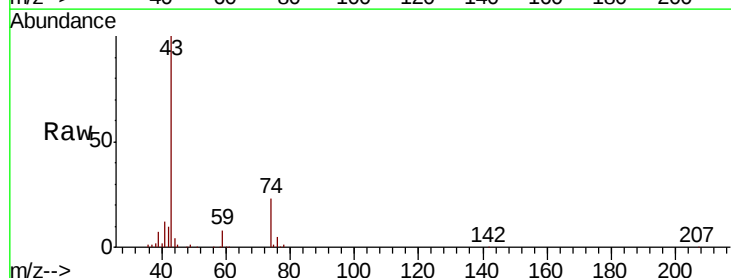


Abundance Ion 75.90 (75.60 to 76.60): VU0
Ion 77.90 (77.60 to 78.60): VU0

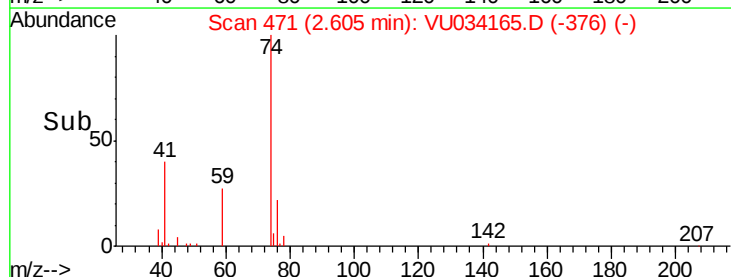
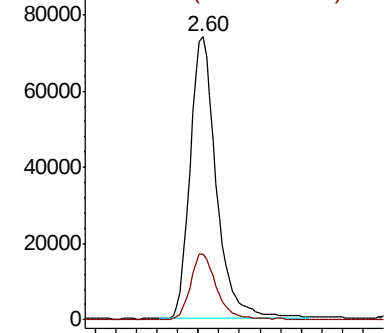


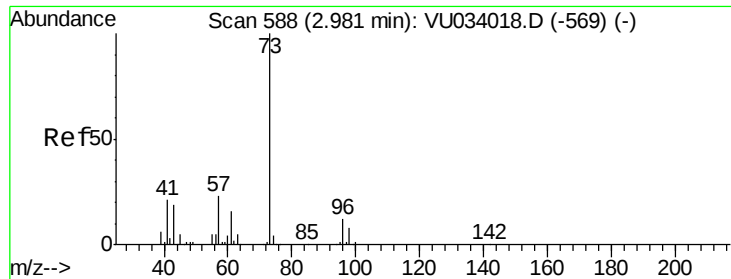
#18
Methyl Acetate
Concen: 19.518 ug/l
RT: 2.60 min Scan# 471
Delta R.T. 0.01 min
Lab File: VU034165.D
Acq: 01 Sep 2019 13:46

Tgt Ion: 43 Resp: 131152
Ion Ratio Lower Upper
43 100
74 23.6 19.2 28.8



Abundance Ion 43.00 (42.70 to 43.70): VU0
Ion 74.00 (73.70 to 74.70): VU0

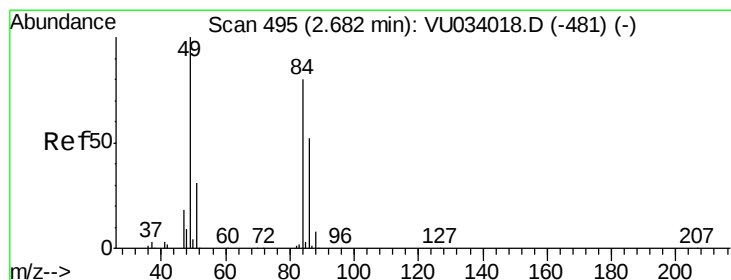
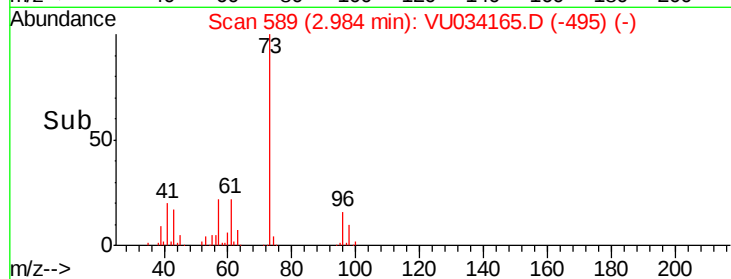
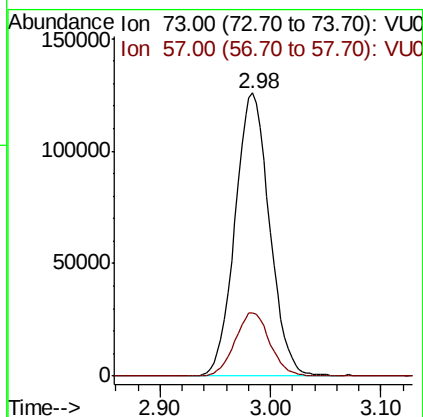
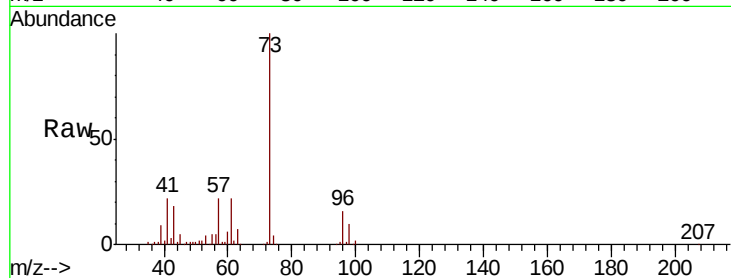




#19
Methyl tert-butyl Ether
Concen: 20.896 ug/l
RT: 2.98 min Scan# 589
Delta R.T. 0.00 min
Lab File: VU034165.D
Acq: 01 Sep 2019 13:46

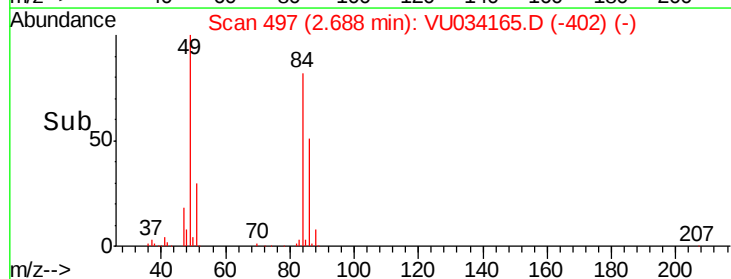
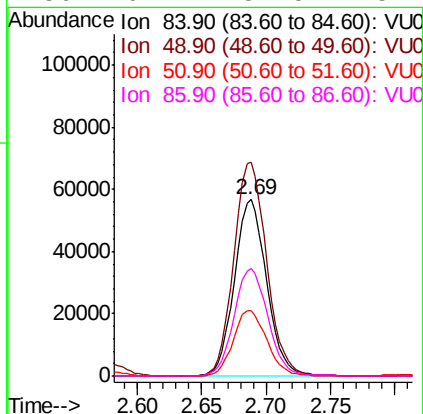
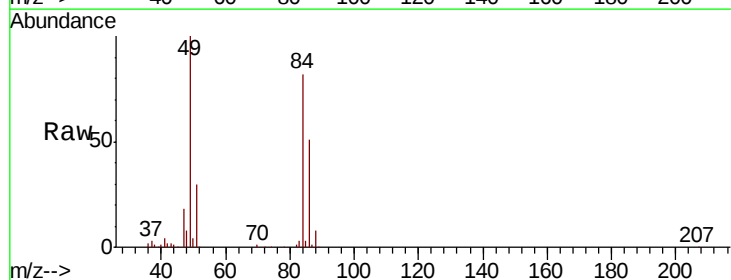
Instrument :
MSVOA_U
ClientSampled :

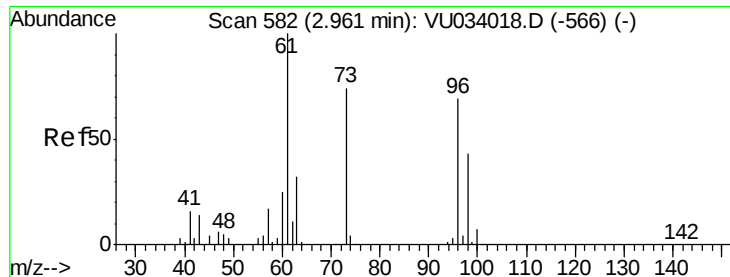
Tot Ion: 73 Resp: 272602
Ion Ratio Lower Upper
73 100
57 22.5 18.3 27.5



#20
Methylene Chloride
Concen: 20.073 ug/l
RT: 2.69 min Scan# 497
Delta R.T. 0.01 min
Lab File: VU034165.D
Acq: 01 Sep 2019 13:46

Tgt Ion: 84 Resp: 98816
Ion Ratio Lower Upper
84 100
49 121.3 100.2 150.4
51 36.8 30.8 46.2
86 61.4 52.5 78.7

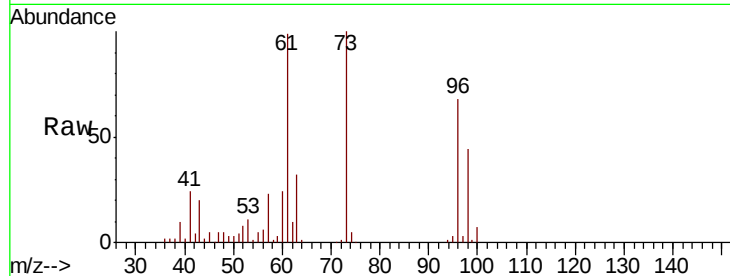




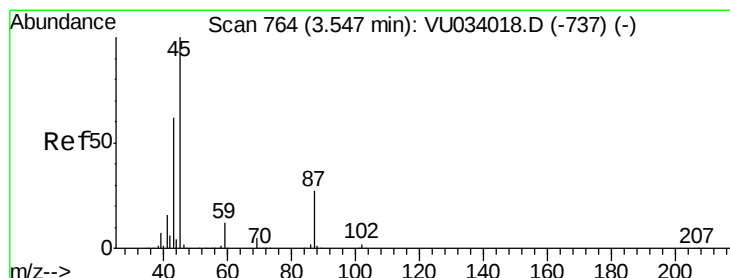
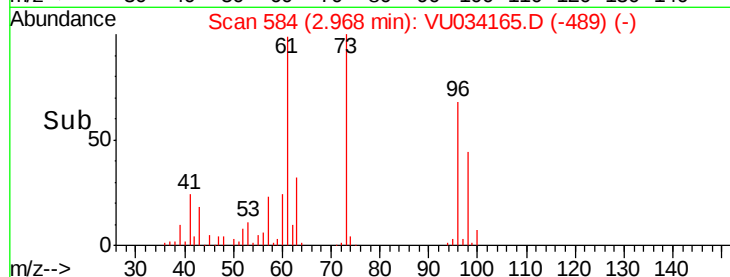
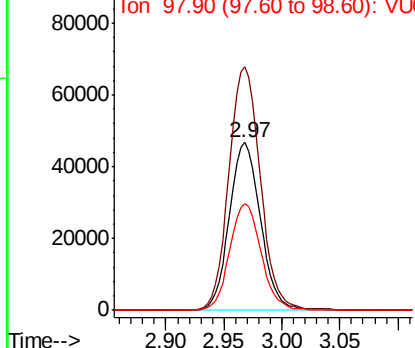
#21
trans-1,2-Dichloroethene
Concen: 20.215 ug/l
RT: 2.97 min Scan# 584
Delta R.T. 0.01 min
Lab File: VU034165.D
Acq: 01 Sep 2019 13:46

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 96 Resp: 87356
Ion Ratio Lower Upper
96 100
61 145.2 115.5 173.3
98 63.8 50.1 75.1

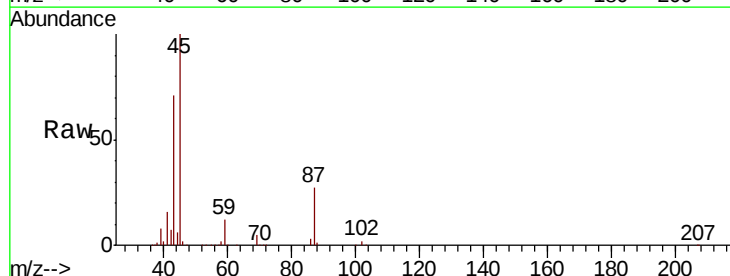


Abundance Ion 95.90 (95.60 to 96.60): VU0
Ion 60.90 (60.60 to 61.60): VU0
Ion 97.90 (97.60 to 98.60): VU0

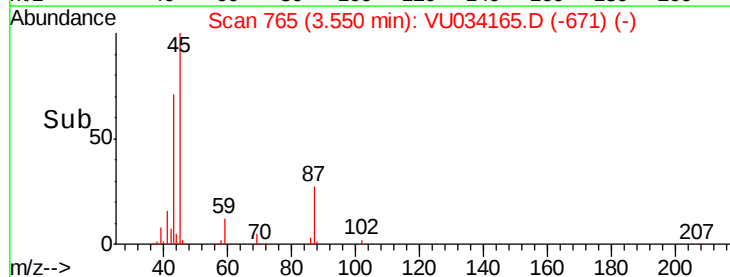
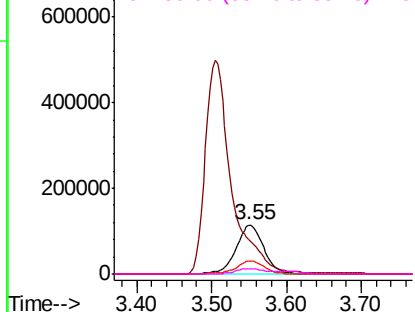


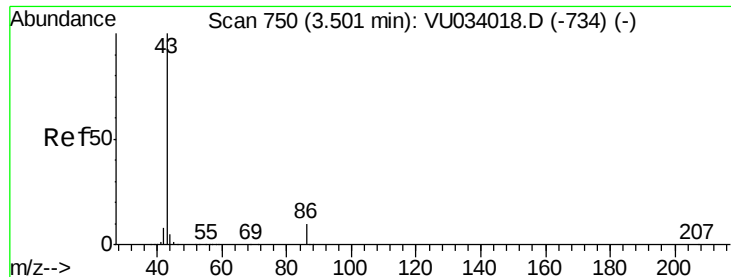
#22
Diisopropyl ether
Concen: 21.330 ug/l
RT: 3.55 min Scan# 765
Delta R.T. 0.00 min
Lab File: VU034165.D
Acq: 01 Sep 2019 13:46

Tgt Ion: 45 Resp: 292597
Ion Ratio Lower Upper
45 100
43 70.4 49.7 74.5
87 27.3 21.8 32.8
59 11.9 9.3 13.9



Abundance Ion 45.00 (44.70 to 45.70): VU0
Ion 43.00 (42.70 to 43.70): VU0
Ion 87.00 (86.70 to 87.70): VU0
Ion 59.00 (58.70 to 59.70): VU0





#23

Vinyl Acetate

Concen: 103.202 ug/l

RT: 3.50 min Scan# 751

Delta R.T. 0.00 min

Lab File: VU034165.D

Acq: 01 Sep 2019 13:46

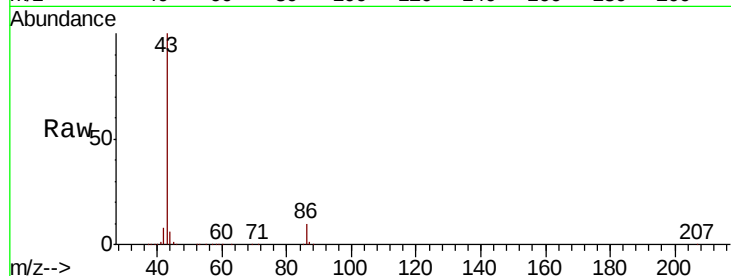
Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 43 Resp: 1216136

Ion Ratio Lower Upper

43 100

86 10.1 8.3 12.5



Abundance Ion 43.00 (42.70 to 43.70): VU034018.D (-734) (-)

Ion 86.00 (85.70 to 86.70): VU034018.D (-734) (-)

3.50

500000

400000

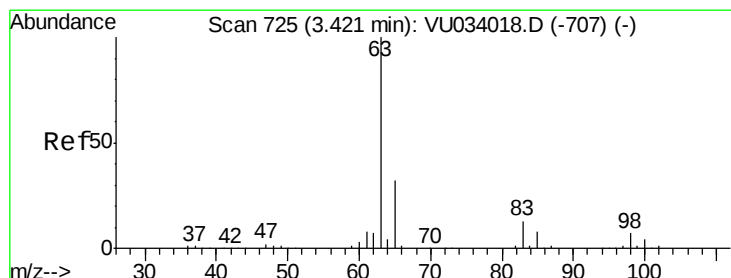
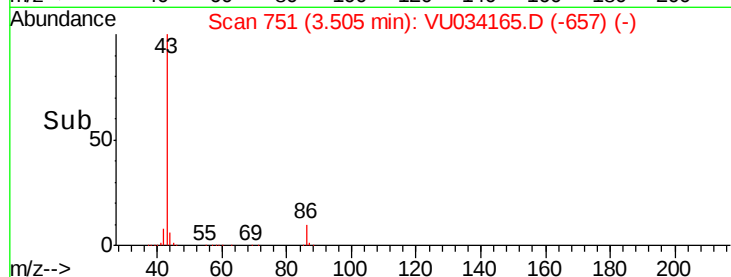
300000

200000

100000

0

Time-->



#24

1,1-Dichloroethane

Concen: 20.810 ug/l

RT: 3.43 min Scan# 727

Delta R.T. 0.01 min

Lab File: VU034165.D

Acq: 01 Sep 2019 13:46

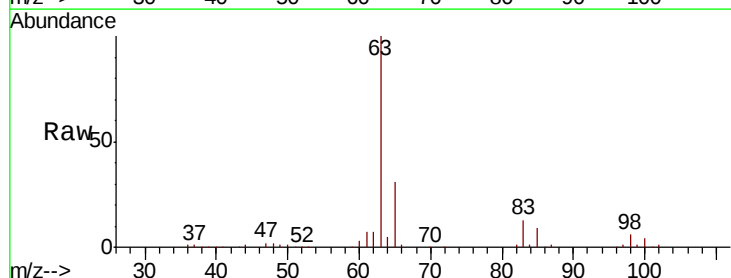
Tgt Ion: 63 Resp: 168534

Ion Ratio Lower Upper

63 100

98 6.5 3.3 9.8

100 4.5 2.0 6.0



Abundance Ion 62.90 (62.60 to 63.60): VU034018.D (-707) (-)

Ion 97.90 (97.60 to 98.60): VU034018.D (-707) (-)

Ion 99.90 (99.60 to 100.60): VU034018.D (-707) (-)

100000

80000

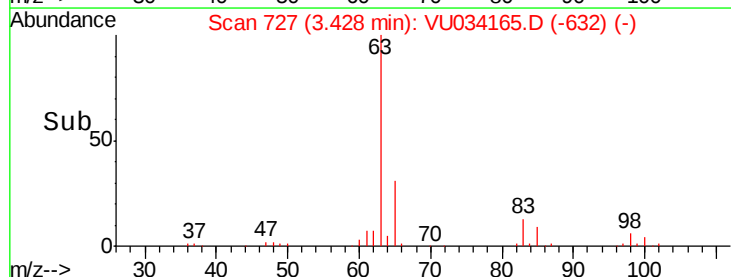
60000

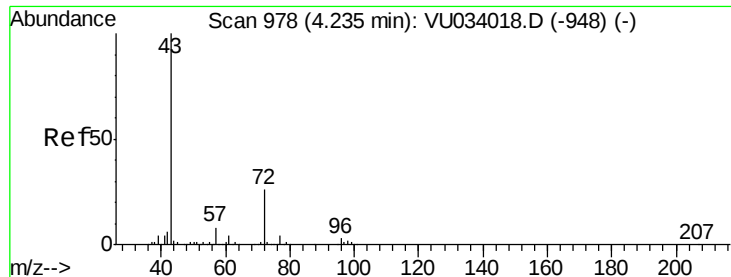
40000

20000

0

Time-->





#25

2-Butanone

Concen: 99.995 ug/l

RT: 4.24 min Scan# 979

Delta R.T. 0.00 min

Lab File: VU034165.D

Acq: 01 Sep 2019 13:46

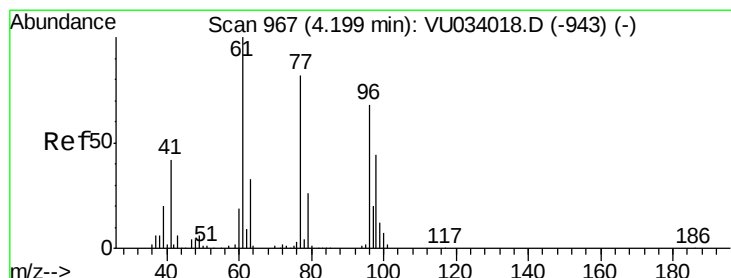
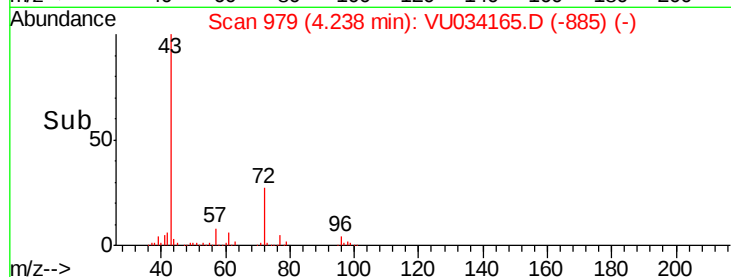
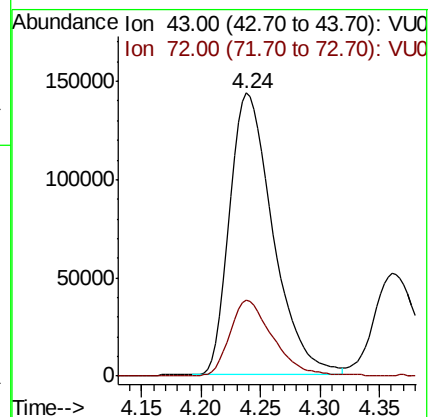
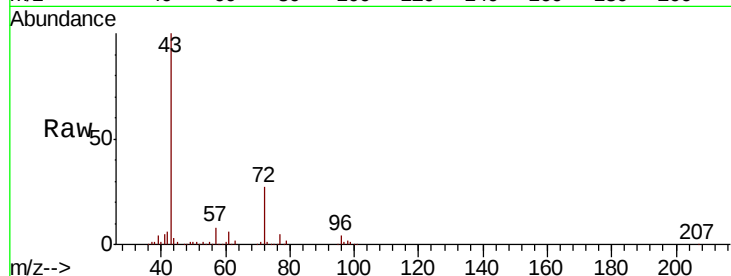
Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 43 Resp: 361758

Ion Ratio Lower Upper

43 100

72 26.7 21.2 31.8



#26

2,2-Dichloropropane

Concen: 19.646 ug/l

RT: 4.20 min Scan# 968

Delta R.T. 0.00 min

Lab File: VU034165.D

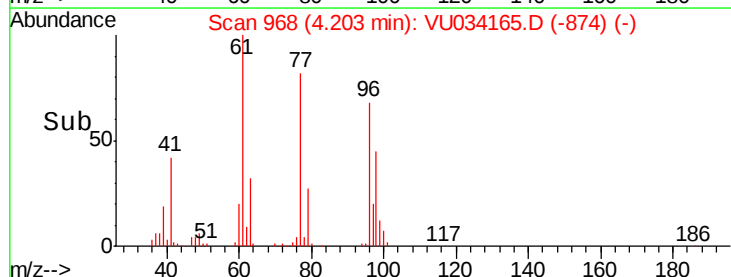
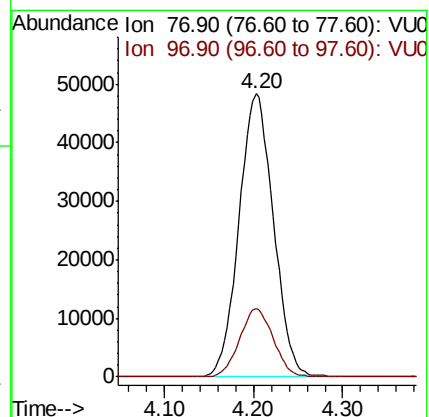
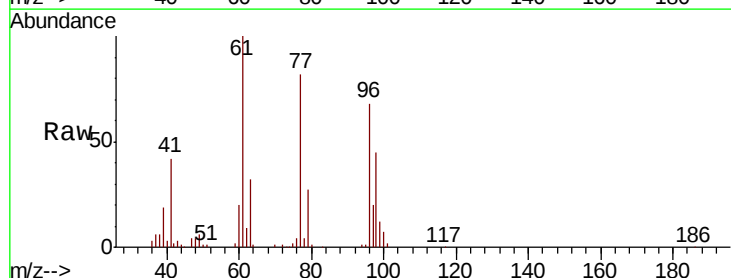
Acq: 01 Sep 2019 13:46

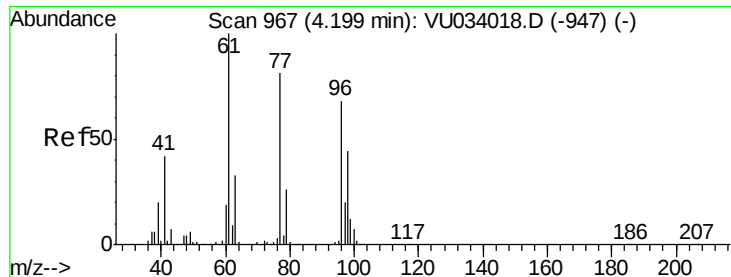
Tgt Ion: 77 Resp: 129465

Ion Ratio Lower Upper

77 100

97 23.5 11.6 34.7



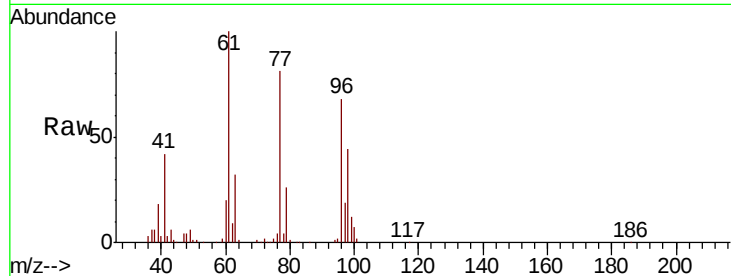


#27

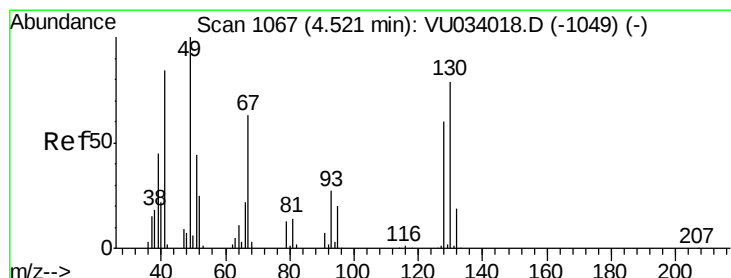
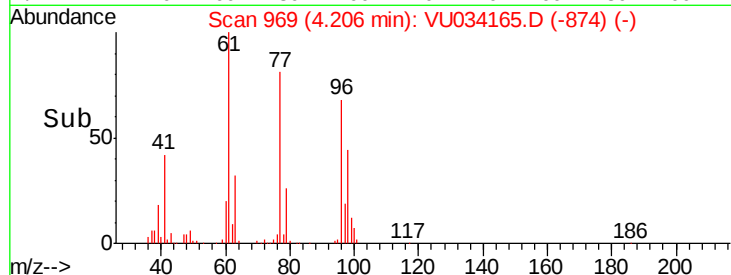
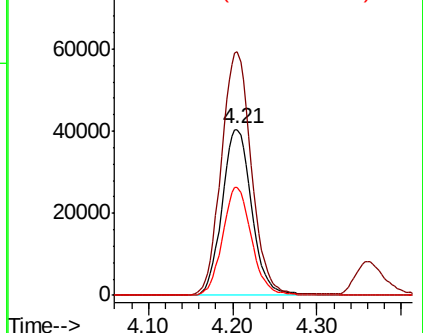
cis-1,2-Dichloroethene
 Concen: 20.417 ug/l
 RT: 4.21 min Scan# 969
 Delta R.T. 0.01 min
 Lab File: VU034165.D
 Acq: 01 Sep 2019 13:46

Instrument :
 MSVOA_U
 ClientSampled :

Tot Ion	96	Resp	99028
Ion	Ratio	Lower	Upper
96	100		
61	147.9	0.0	303.0
98	63.2	0.0	129.2



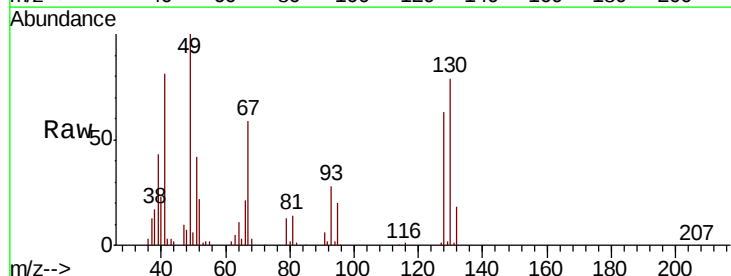
Abundance Ion 95.90 (95.60 to 96.60): VU0
 Ion 60.90 (60.60 to 61.60): VU0
 Ion 97.90 (97.60 to 98.60): VU0



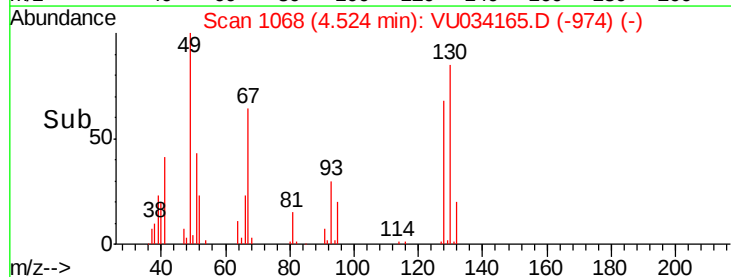
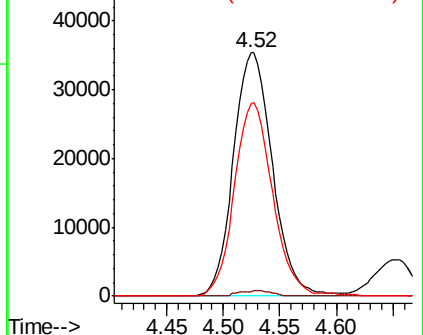
#28

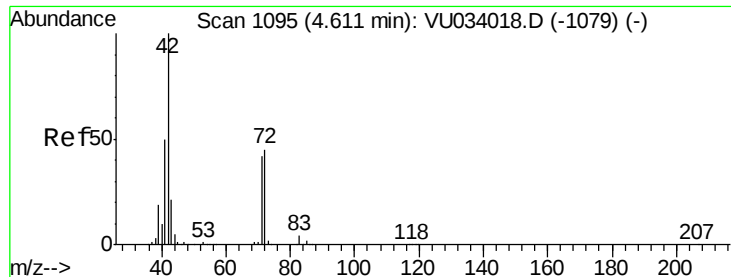
Bromochloromethane
 Concen: 21.314 ug/l
 RT: 4.52 min Scan# 1068
 Delta R.T. 0.00 min
 Lab File: VU034165.D
 Acq: 01 Sep 2019 13:46

Tgt Ion	49	Resp	85047
Ion	Ratio	Lower	Upper
49	100		
129	1.9	0.0	3.6
130	78.1	62.8	94.2



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

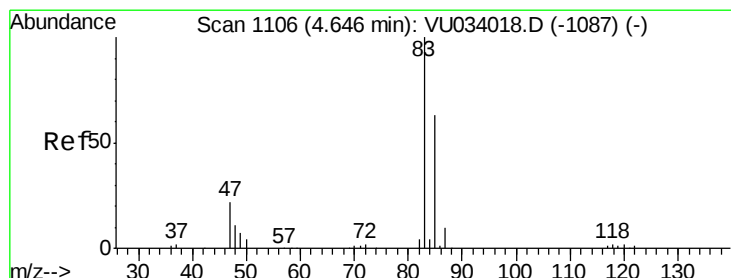
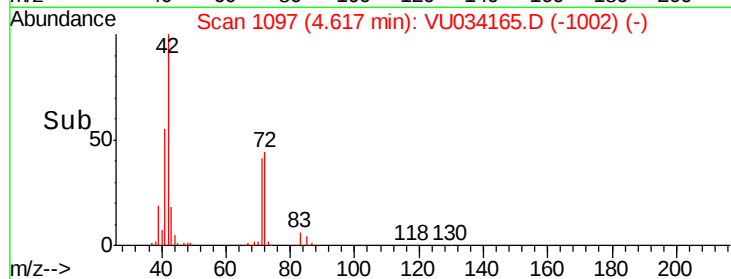
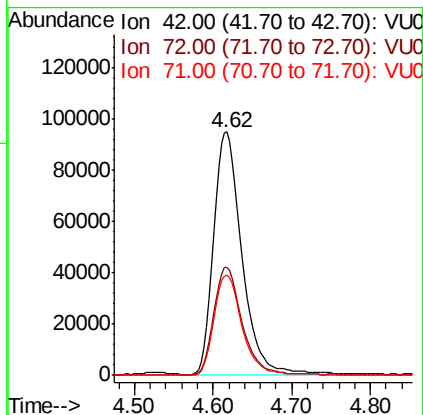
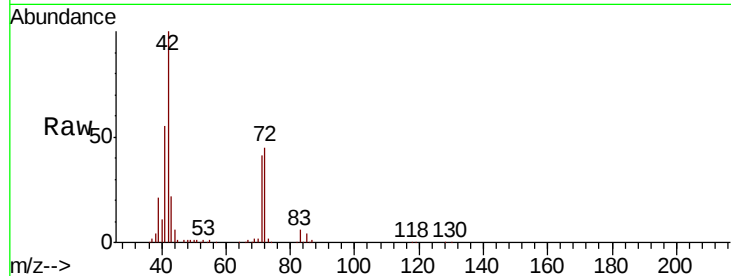




#29
Tetrahydrofuran
Concen: 104.779 ug/l
RT: 4.62 min Scan# 1097
Delta R.T. 0.01 min
Lab File: VU034165.D
Acq: 01 Sep 2019 13:46

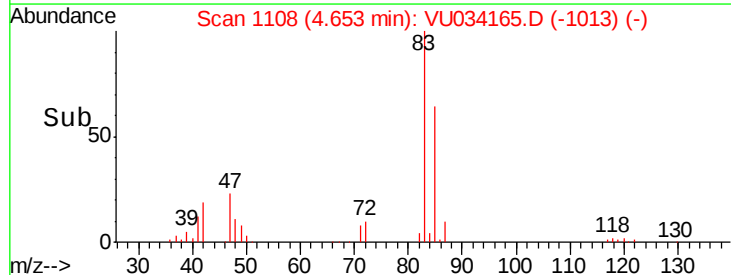
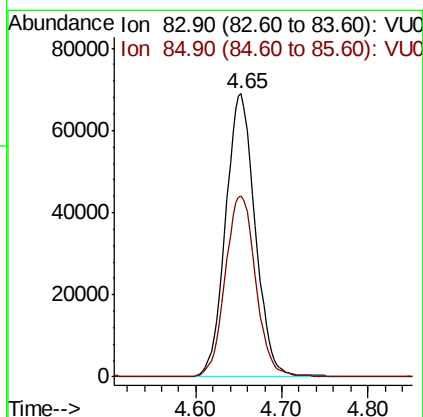
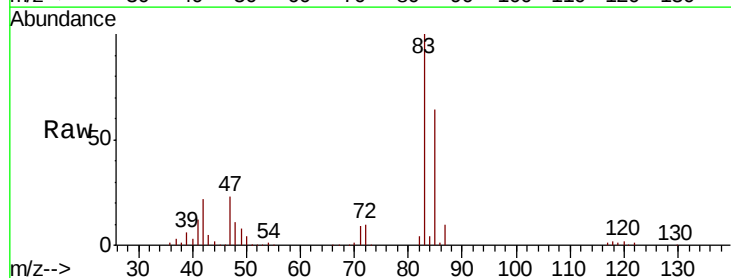
Instrument :
MSVOA_U
ClientSampleId :

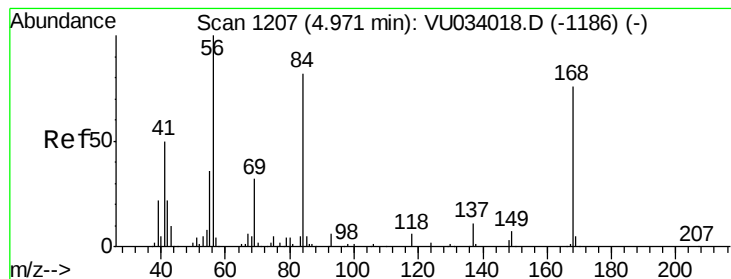
Tot Ion: 42 Resp: 233768
Ion Ratio Lower Upper
42 100
72 45.2 35.8 53.6
71 40.9 34.0 51.0



#30
Chloroform
Concen: 20.377 ug/l
RT: 4.65 min Scan# 1108
Delta R.T. 0.01 min
Lab File: VU034165.D
Acq: 01 Sep 2019 13:46

Tgt Ion: 83 Resp: 164657
Ion Ratio Lower Upper
83 100
85 64.0 50.7 76.1





#31

Cyclohexane

Concen: 19.046 ug/l

RT: 4.97 min Scan# 1208

Delta R.T. 0.00 min

Lab File: VU034165.D

Acq: 01 Sep 2019 13:46

Instrument :
MSVOA_U
ClientSampleId :

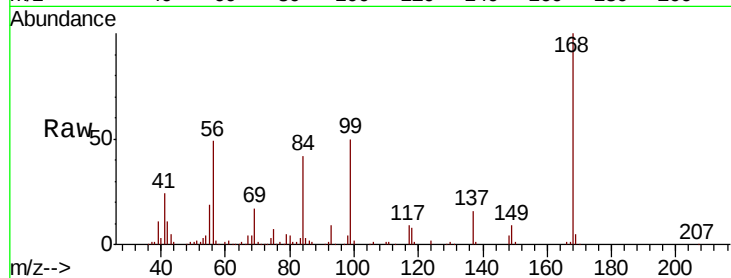
Tot Ion: 56 Resp: 144944

Ion Ratio Lower Upper

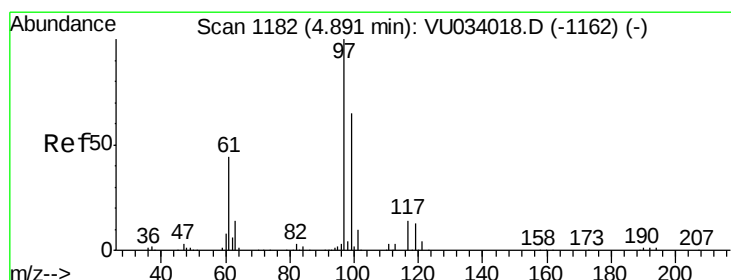
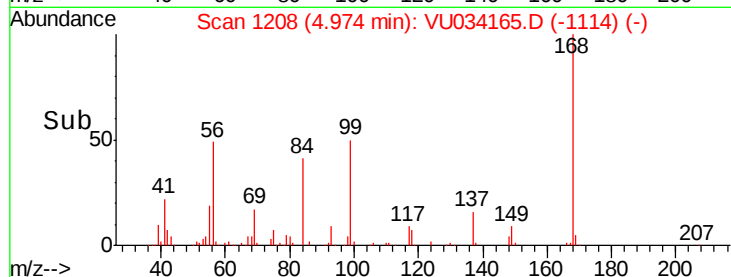
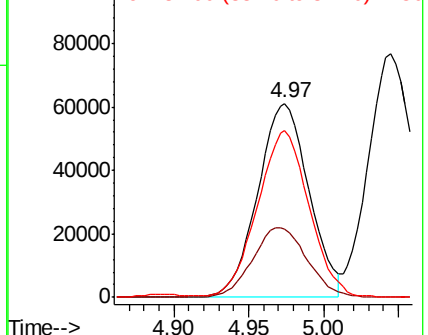
56 100

69 35.3 25.4 38.0

84 85.3 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: 20.479 ug/l

RT: 4.89 min Scan# 1183

Delta R.T. 0.00 min

Lab File: VU034165.D

Acq: 01 Sep 2019 13:46

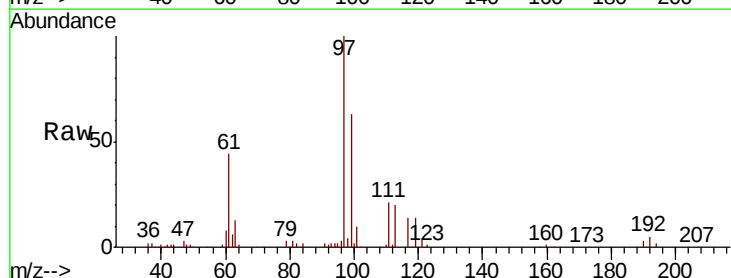
Tgt Ion: 97 Resp: 135527

Ion Ratio Lower Upper

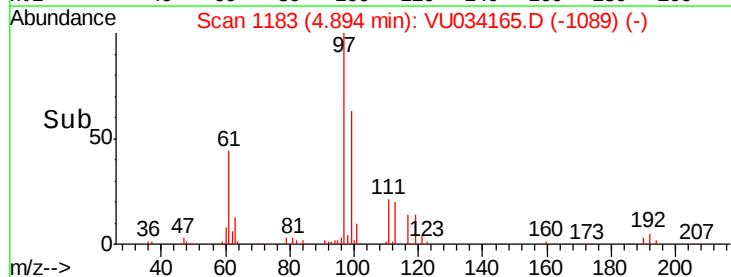
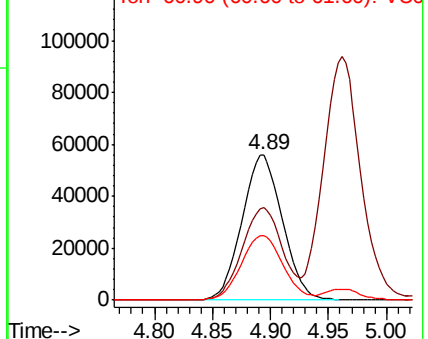
97 100

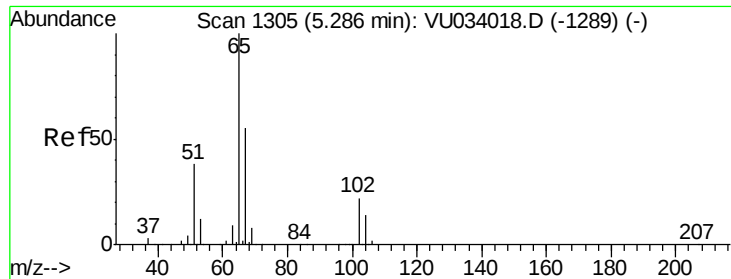
99 63.8 51.8 77.6

61 46.0 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

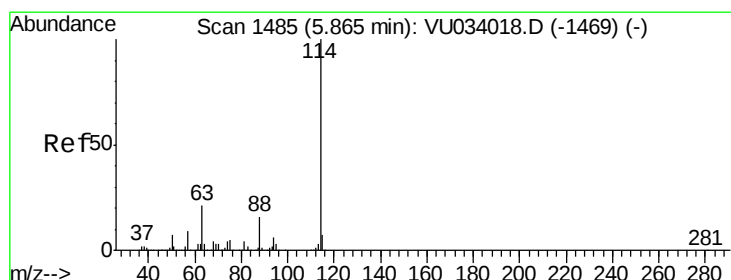
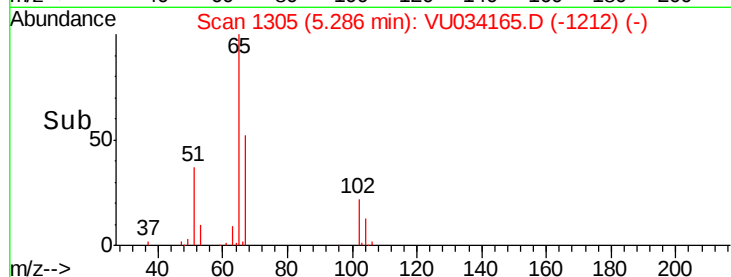
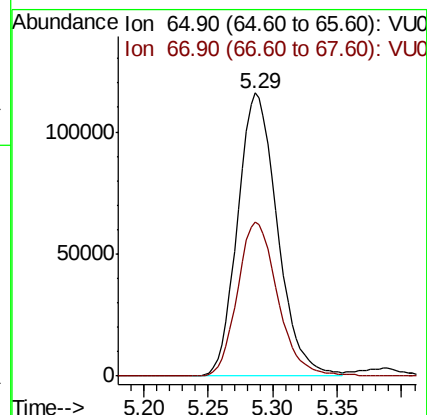
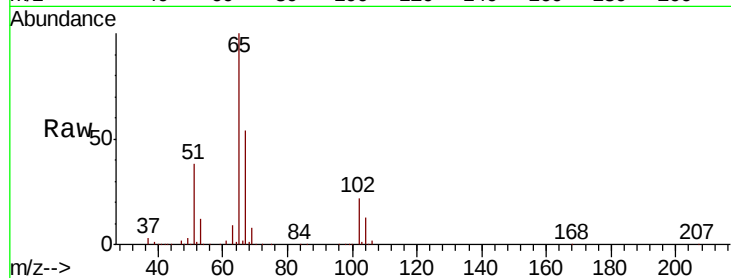




#33
 1,2-Dichloroethane-d4
 Concen: 48.817 ug/l
 RT: 5.29 min Scan# 1305
 Delta R.T. 0.00 min
 Lab File: VU034165.D
 Acq: 01 Sep 2019 13:46

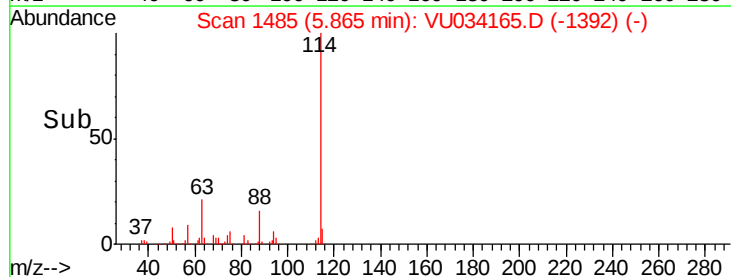
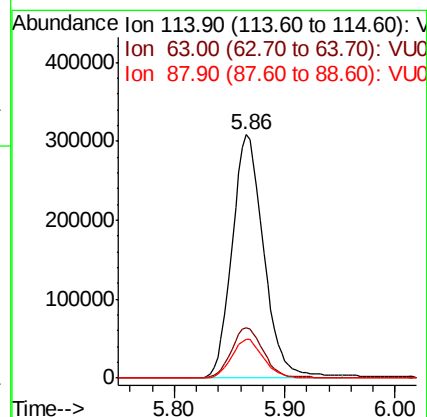
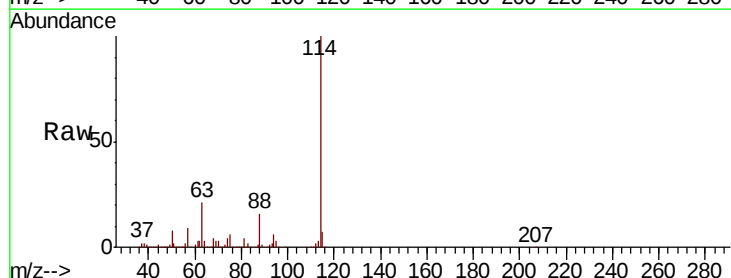
Instrument :
 MSVOA_U
 ClientSampleId :

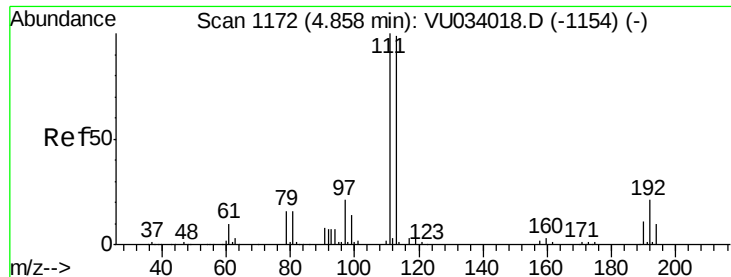
Tot Ion: 65 Resp: 248786
 Ion Ratio Lower Upper
 65 100
 67 55.1 0.0 110.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.86 min Scan# 1485
 Delta R.T. 0.00 min
 Lab File: VU034165.D
 Acq: 01 Sep 2019 13:46

Tgt Ion: 114 Resp: 616869
 Ion Ratio Lower Upper
 114 100
 63 20.8 0.0 42.0
 88 15.9 0.0 32.0





#35

Dibromofluoromethane

Concen: 49.622 ug/l

RT: 4.86 min Scan# 1173

Delta R.T. 0.00 min

Lab File: VU034165.D

Acq: 01 Sep 2019 13:46

Instrument :
MSVOA_U
ClientSampleId :

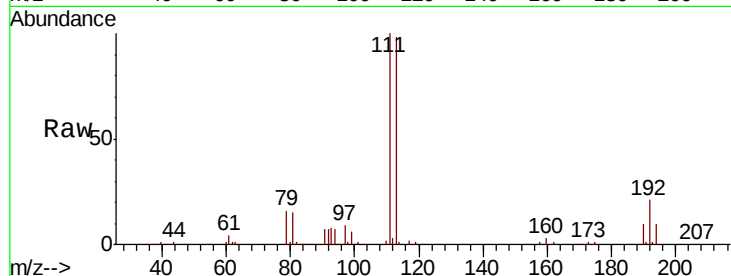
Tot Ion:113 Resp: 212310

Ion Ratio Lower Upper

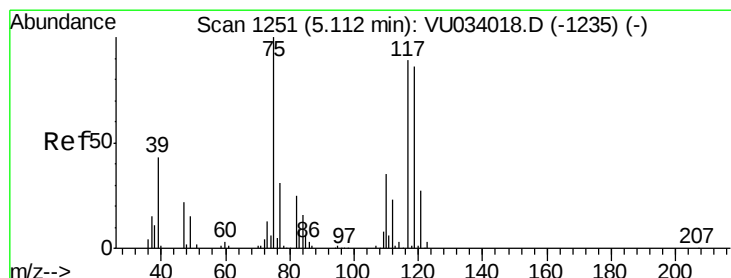
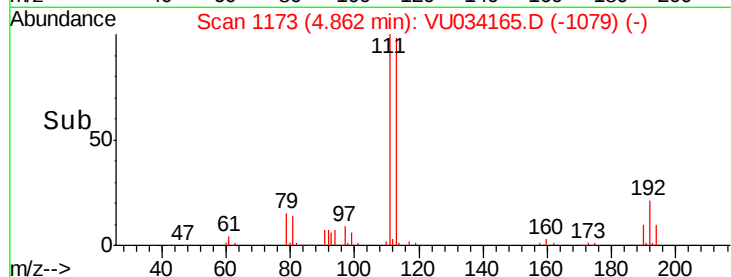
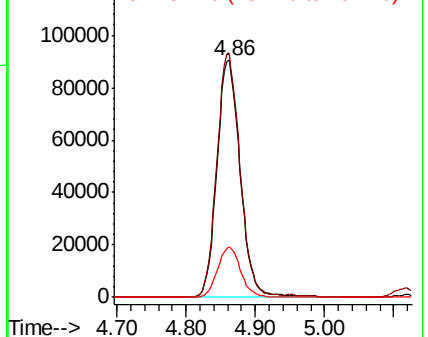
113 100

111 101.4 81.7 122.5

192 20.9 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: 19.833 ug/l

RT: 5.12 min Scan# 1252

Delta R.T. 0.00 min

Lab File: VU034165.D

Acq: 01 Sep 2019 13:46

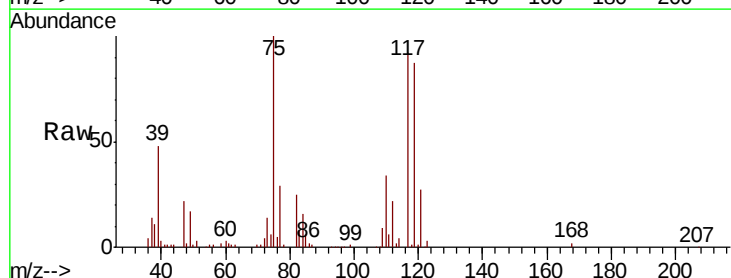
Tgt Ion: 75 Resp: 115721

Ion Ratio Lower Upper

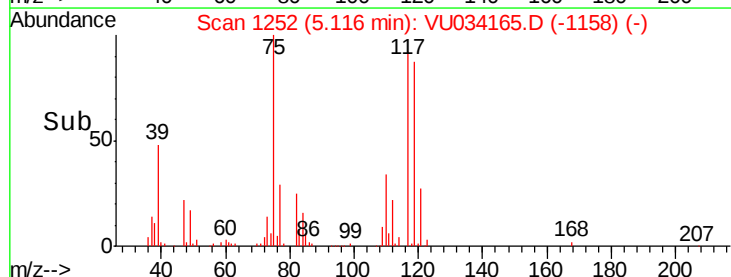
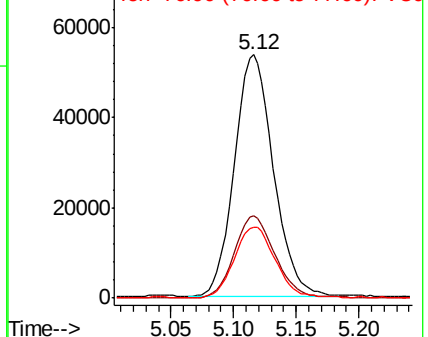
75 100

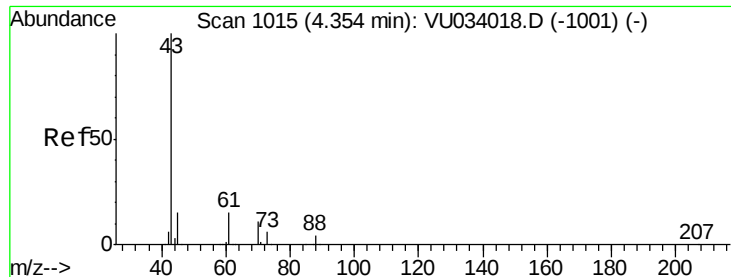
110 35.7 17.8 53.5

77 30.2 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

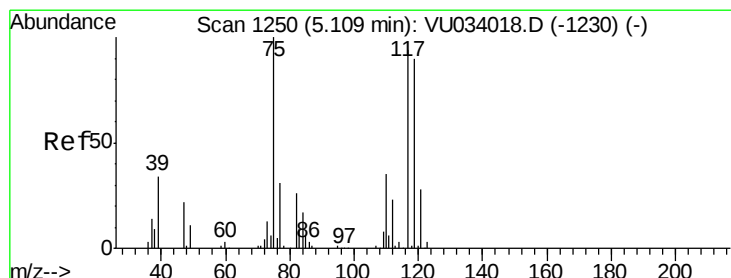
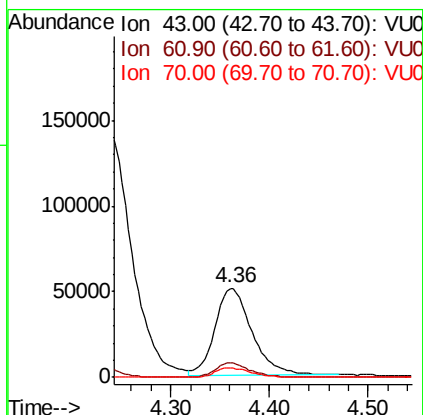
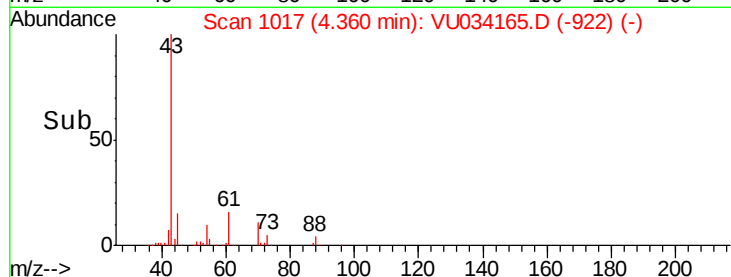
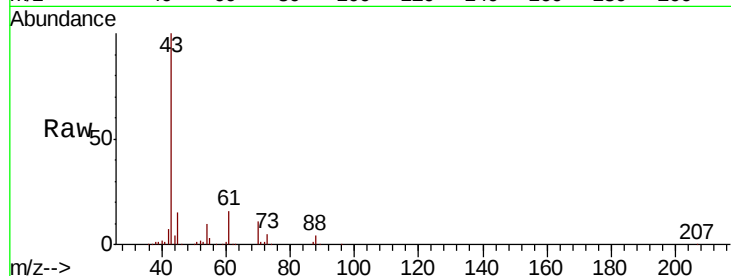




#37
Ethyl Acetate
Concen: 20.398 ug/l
RT: 4.36 min Scan# 1017
Delta R.T. 0.01 min
Lab File: VU034165.D
Acq: 01 Sep 2019 13:46

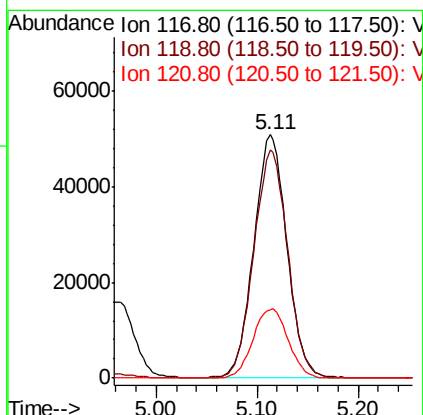
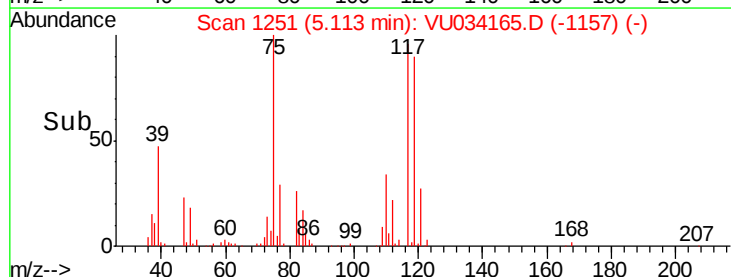
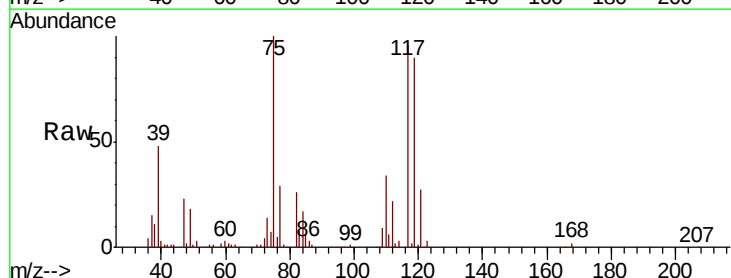
Instrument :
MSVOA_U
ClientSampleId :

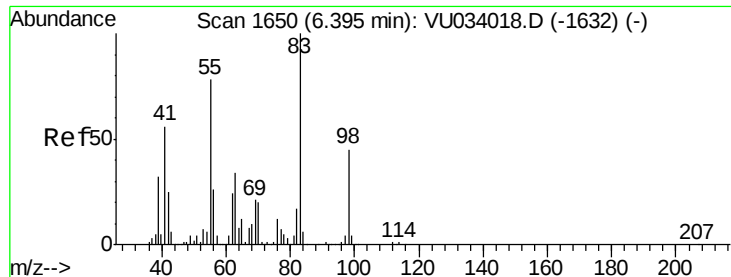
Tot Ion: 43 Resp: 133277
Ion Ratio Lower Upper
43 100
61 14.6 11.5 17.3
70 10.8 8.6 12.8



#38
Carbon Tetrachloride
Concen: 20.460 ug/l
RT: 5.11 min Scan# 1251
Delta R.T. 0.00 min
Lab File: VU034165.D
Acq: 01 Sep 2019 13:46

Tgt Ion: 117 Resp: 115234
Ion Ratio Lower Upper
117 100
119 93.7 77.0 115.4
121 28.3 23.9 35.9

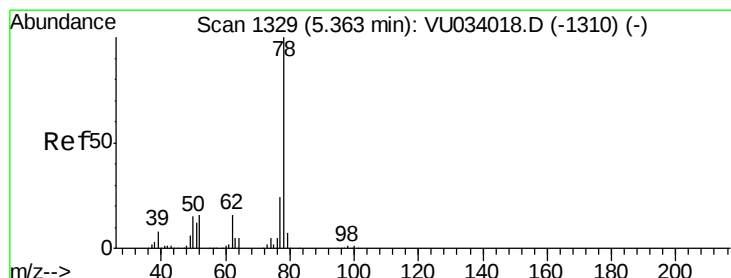
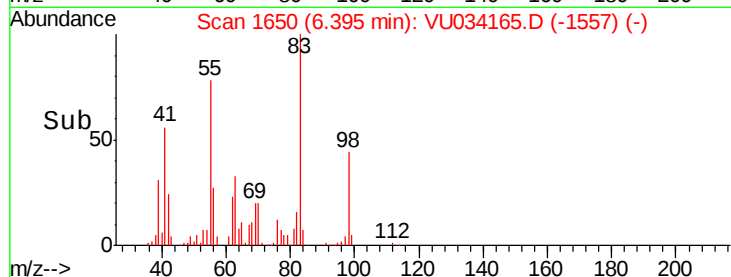
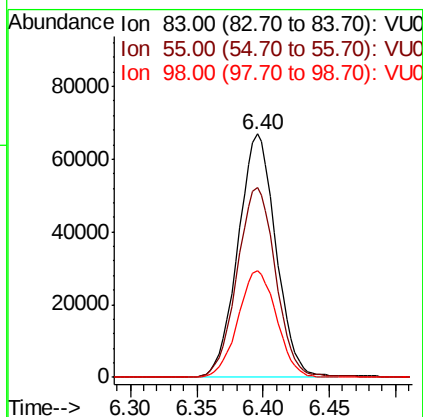
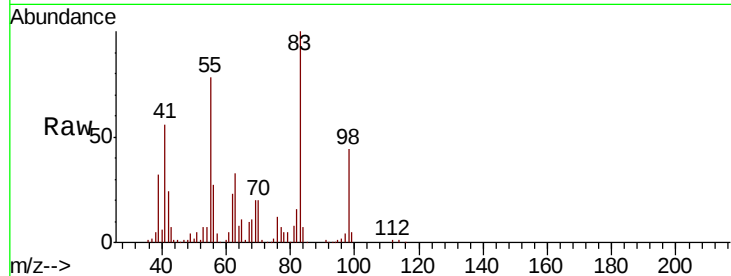




#39
Methvlcvclohexane
Concen: 19.319 ug/l
RT: 6.40 min Scan# 1650
Delta R.T. 0.00 min
Lab File: VU034165.D
Acq: 01 Sep 2019 13:46

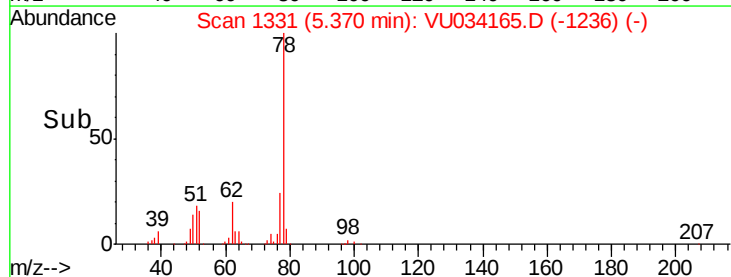
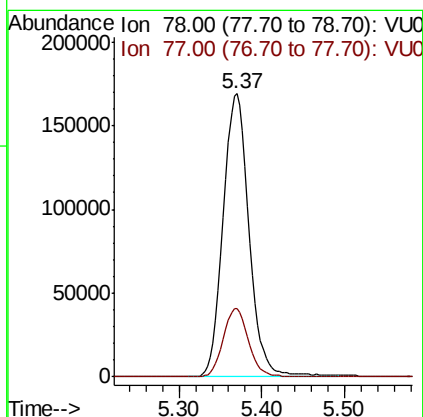
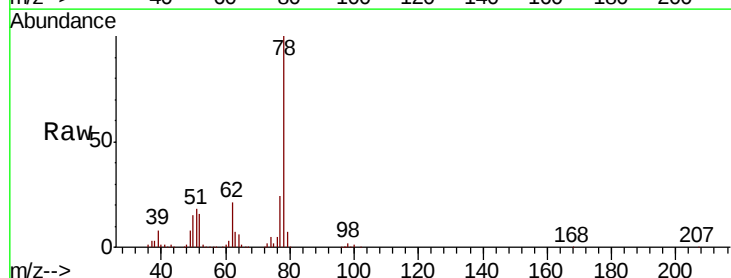
Instrument :
MSVOA_U
ClientSampleId :

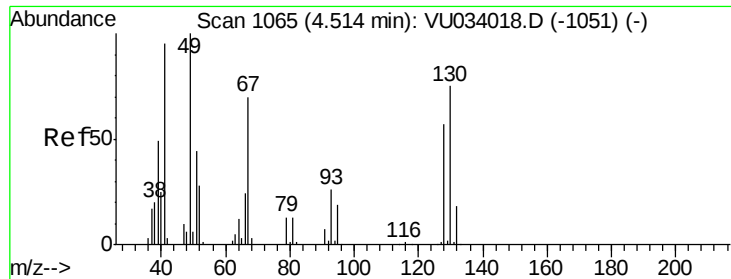
Tot Ion: 83 Resp: 132860
Ion Ratio Lower Upper
83 100
55 78.0 62.3 93.5
98 43.8 36.2 54.2



#40
Benzene
Concen: 20.849 ug/l
RT: 5.37 min Scan# 1331
Delta R.T. 0.01 min
Lab File: VU034165.D
Acq: 01 Sep 2019 13:46

Tgt Ion: 78 Resp: 368056
Ion Ratio Lower Upper
78 100
77 24.2 19.0 28.6

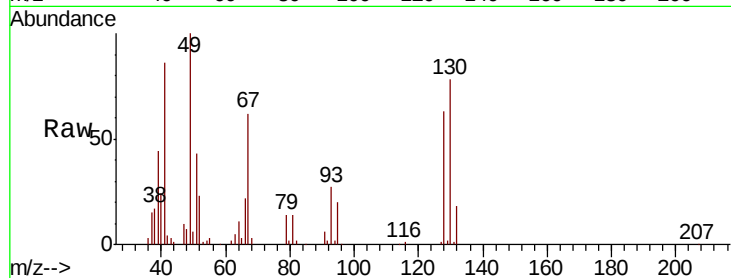




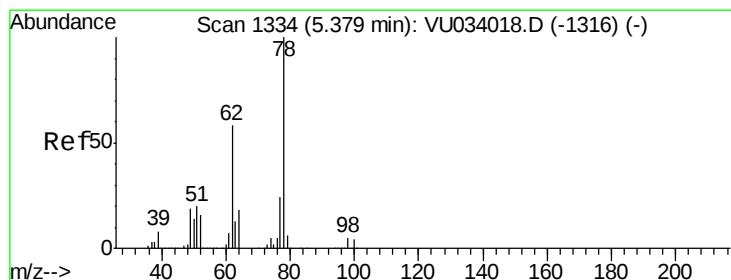
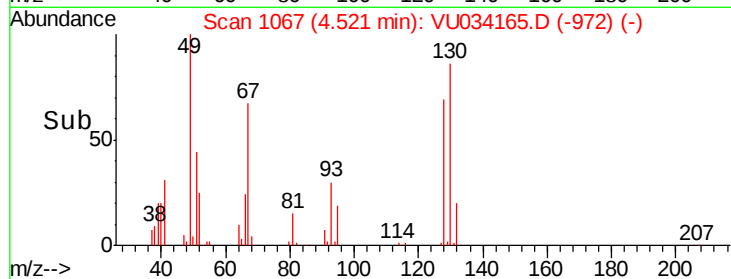
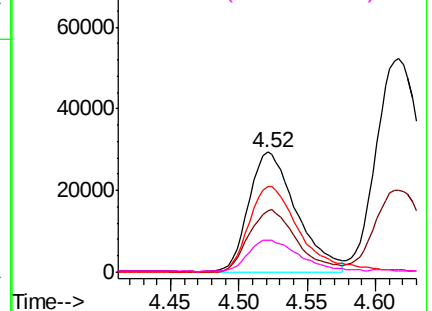
#41
Methacrylonitrile
Concen: 21.138 ug/l
RT: 4.52 min Scan# 1067
Delta R.T. 0.01 min
Lab File: VU034165.D
Acq: 01 Sep 2019 13:46

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 41 Resp: 70832
Ion Ratio Lower Upper
41 100
39 52.4 42.1 63.1
67 77.9 61.0 91.4
52 28.6 23.3 34.9

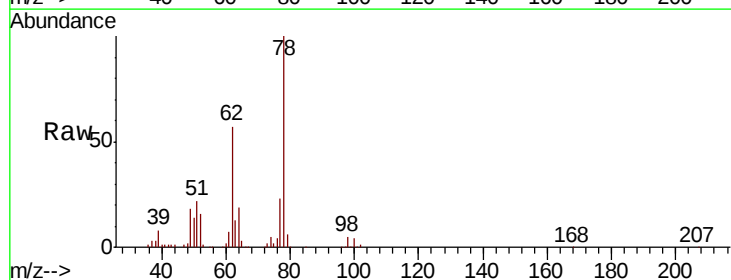


Abundance Ion 41.00 (40.70 to 41.70): VU0
Ion 39.00 (38.70 to 39.70): VU0
Ion 67.00 (66.70 to 67.70): VU0
Ion 52.00 (51.70 to 52.70): VU0

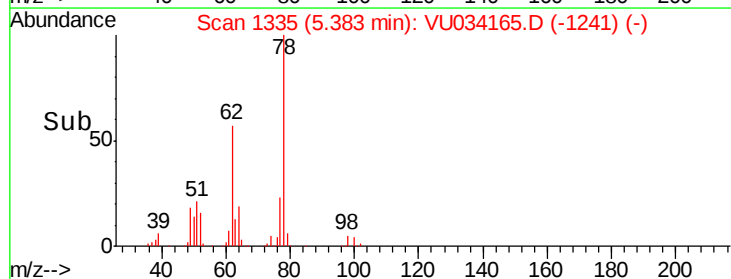
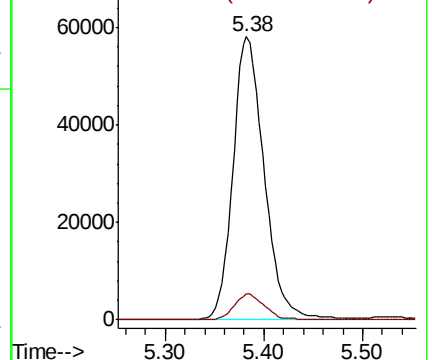


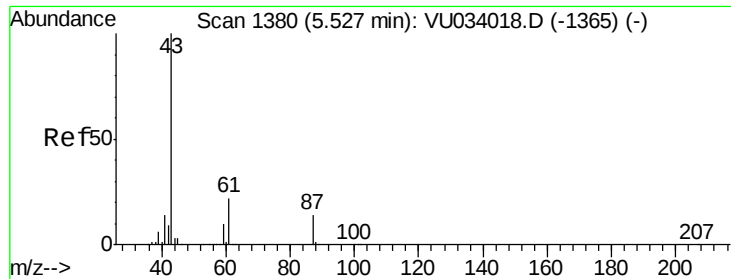
#42
1,2-Dichloroethane
Concen: 21.049 ug/l
RT: 5.38 min Scan# 1335
Delta R.T. 0.00 min
Lab File: VU034165.D
Acq: 01 Sep 2019 13:46

Tgt Ion: 62 Resp: 128313
Ion Ratio Lower Upper
62 100
98 9.0 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: 20.262 ug/l

RT: 5.53 min Scan# 1380

Delta R.T. 0.00 min

Lab File: VU034165.D

Acq: 01 Sep 2019 13:46

Instrument :

MSVOA_U

ClientSampleId :

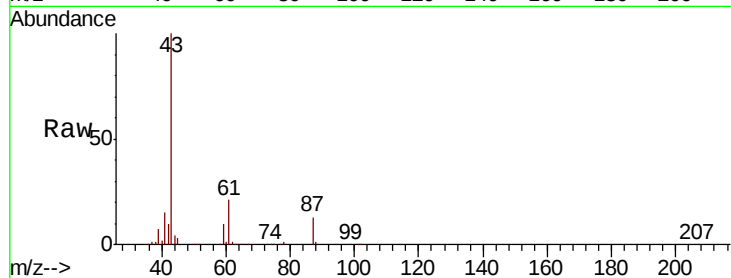
Tot Ion: 43 Resp: 201412

Ion Ratio Lower Upper

43 100

61 21.2 17.2 25.8

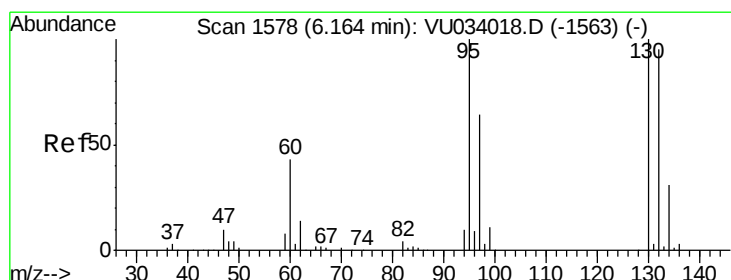
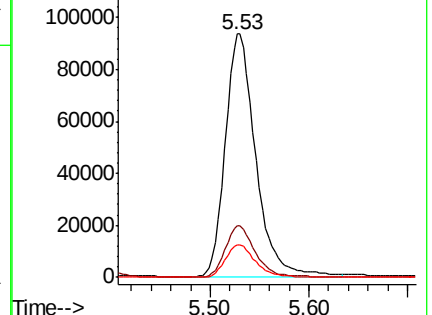
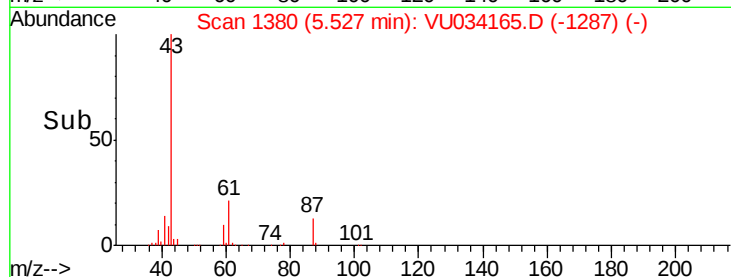
87 13.3 10.8 16.2



Abundance Ion 43.00 (42.70 to 43.70): VU034165.D (-1287) (-)

Ion 61.00 (60.70 to 61.70): VU034165.D (-1287) (-)

Ion 87.00 (86.70 to 87.70): VU034165.D (-1287) (-)



#44

Trichloroethene

Concen: 20.910 ug/l

RT: 6.17 min Scan# 1579

Delta R.T. 0.00 min

Lab File: VU034165.D

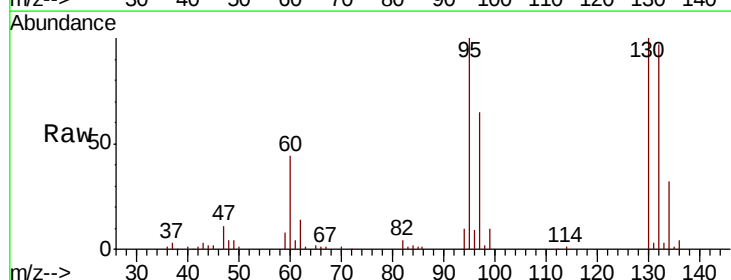
Acq: 01 Sep 2019 13:46

Tgt Ion:130 Resp: 96935

Ion Ratio Lower Upper

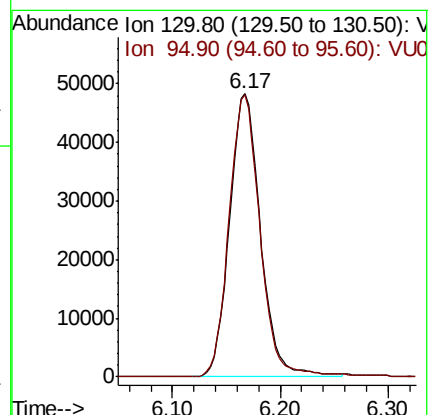
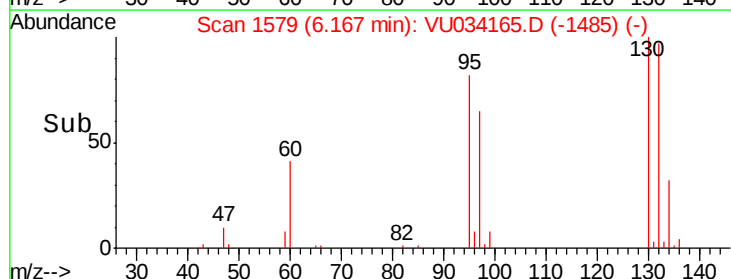
130 100

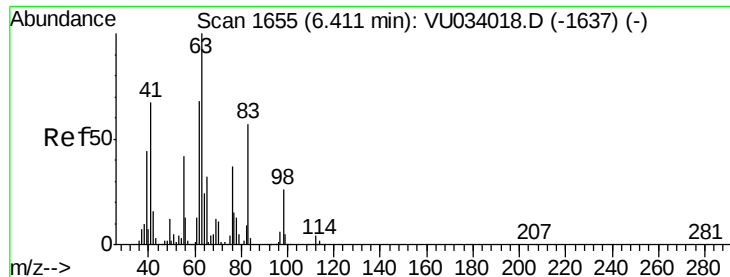
95 99.6 0.0 199.6



Abundance Ion 129.80 (129.50 to 130.50): VU034165.D (-1485) (-)

Ion 94.90 (94.60 to 95.60): VU034165.D (-1485) (-)





#45

1,2-Dichloropropane

Concen: 21.178 ug/l

RT: 6.41 min Scan# 1655

Delta R.T. 0.00 min

Lab File: VU034165.D

Acq: 01 Sep 2019 13:46

Instrument :

MSVOA_U

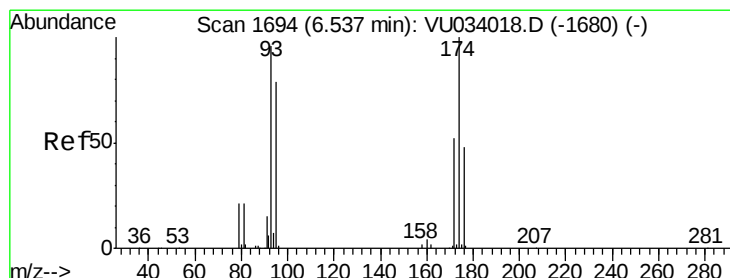
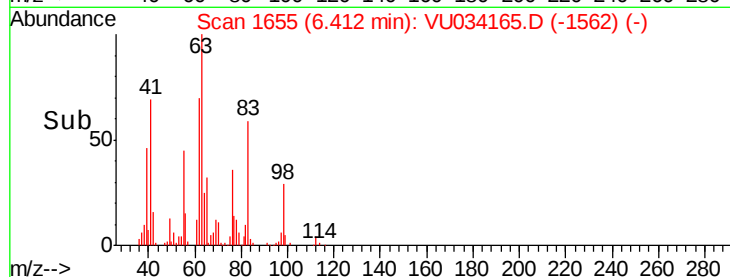
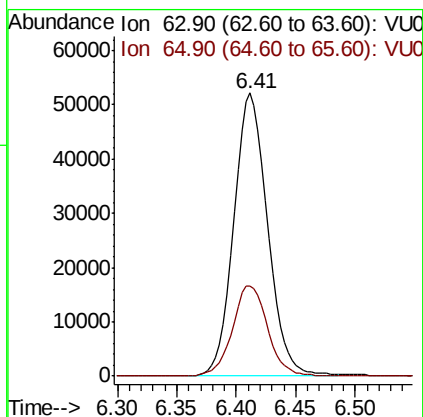
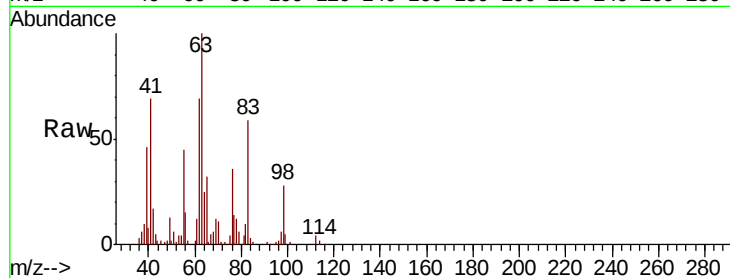
ClientSampleId :

Tot Ion: 63 Resp: 102913

Ion Ratio Lower Upper

63 100

65 31.9 25.4 38.2



#46

Dibromomethane

Concen: 21.310 ug/l

RT: 6.54 min Scan# 1695

Delta R.T. 0.00 min

Lab File: VU034165.D

Acq: 01 Sep 2019 13:46

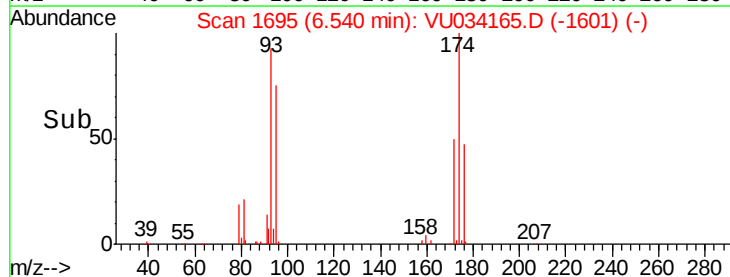
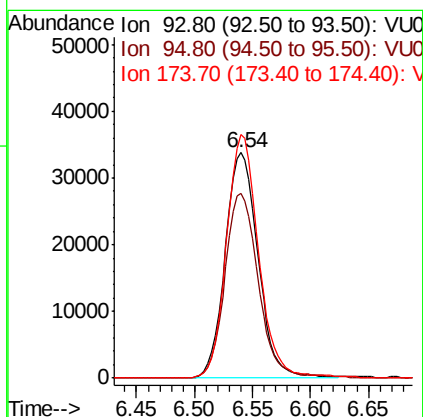
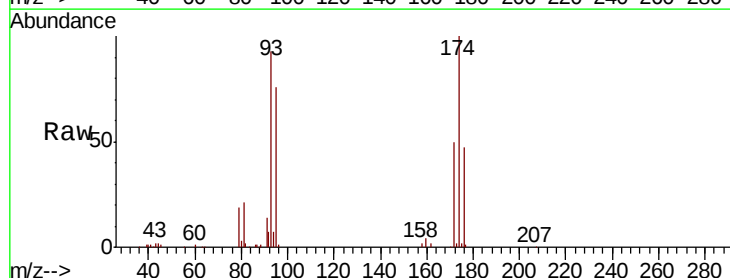
Tgt Ion: 93 Resp: 66718

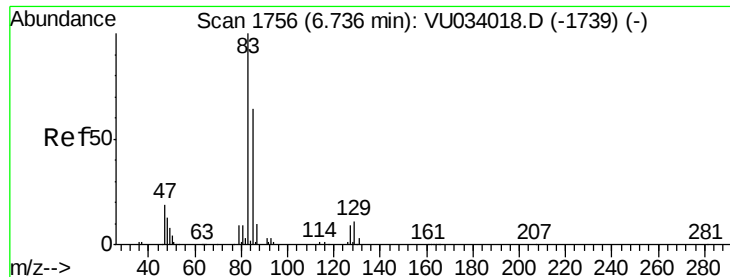
Ion Ratio Lower Upper

93 100

95 83.6 66.7 100.1

174 105.7 84.9 127.3





#47

Bromodichloromethane

Concen: 20.924 ug/l

RT: 6.74 min Scan# 1756

Delta R.T. 0.00 min

Lab File: VU034165.D

Acq: 01 Sep 2019 13:46

Instrument :

MSVOA_U

ClientSampleId :

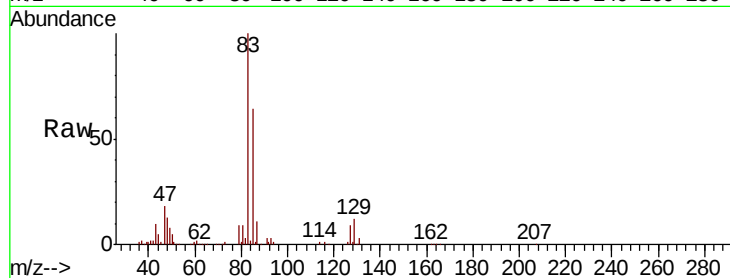
Tot Ion: 83 Resp: 128168

Ion Ratio Lower Upper

83 100

85 64.3 51.2 76.8

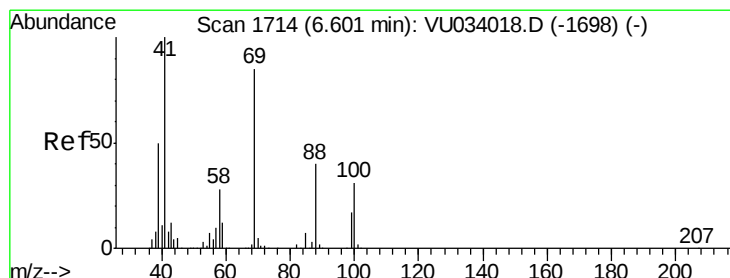
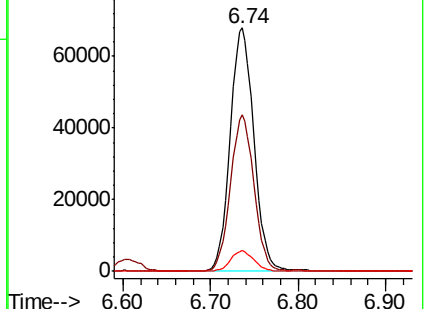
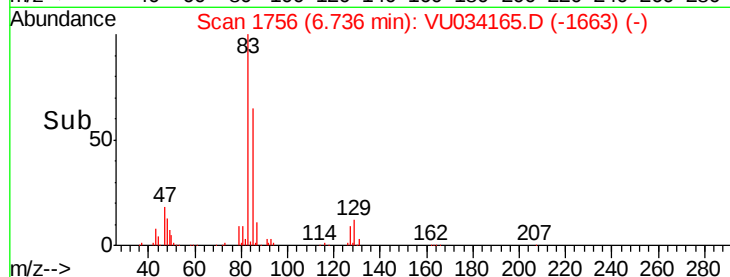
127 8.6 7.0 10.6



Abundance Ion 82.90 (82.60 to 83.60): VU034165.D (-1663) (-)

Ion 84.90 (84.60 to 85.60): VU034165.D (-1663) (-)

Ion 126.80 (126.50 to 127.50): VU034165.D (-1663) (-)



#48

Methyl methacrylate

Concen: 19.711 ug/l

RT: 6.60 min Scan# 1715

Delta R.T. 0.00 min

Lab File: VU034165.D

Acq: 01 Sep 2019 13:46

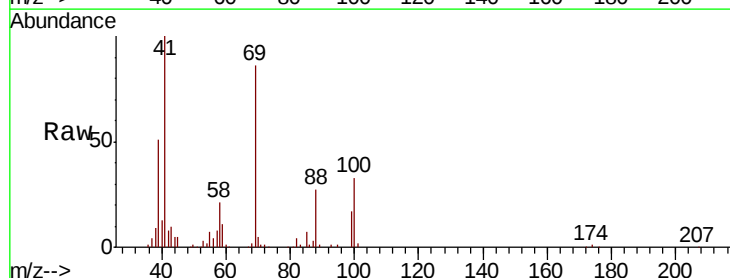
Tgt Ion: 41 Resp: 94547

Ion Ratio Lower Upper

41 100

69 90.7 69.5 104.3

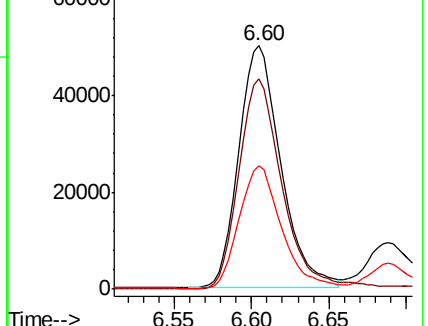
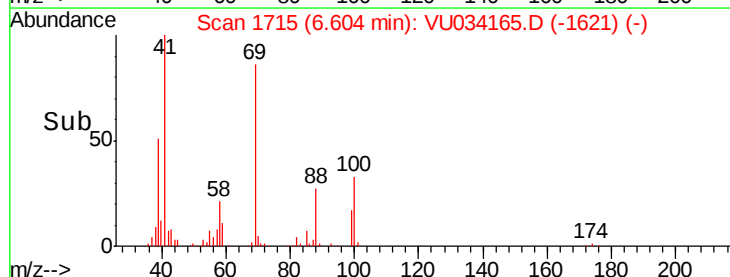
39 51.1 40.3 60.5

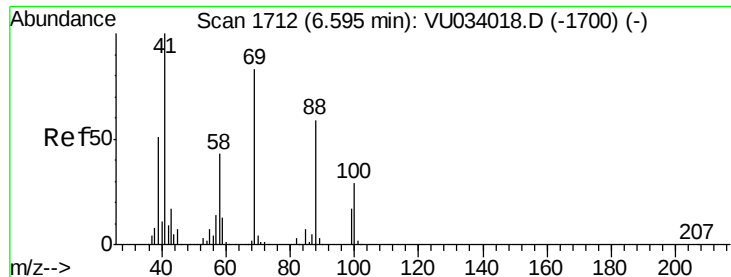


Abundance Ion 41.00 (40.70 to 41.70): VU034165.D (-1621) (-)

Ion 69.00 (68.70 to 69.70): VU034165.D (-1621) (-)

Ion 39.00 (38.70 to 39.70): VU034165.D (-1621) (-)

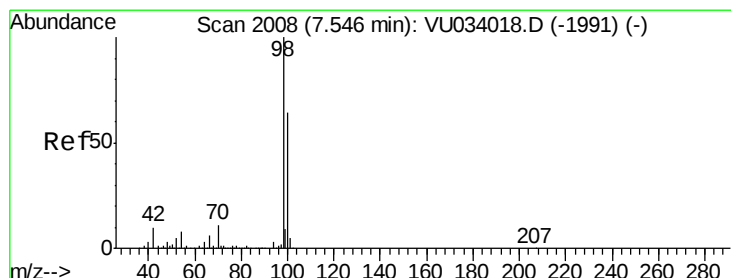
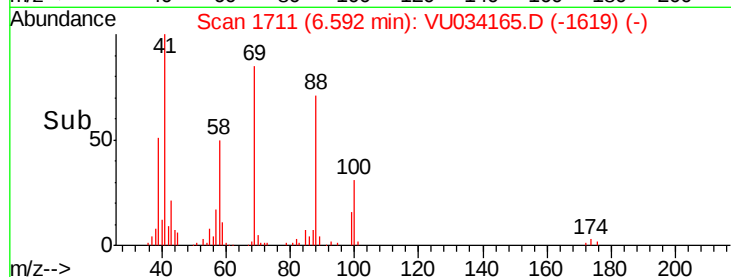
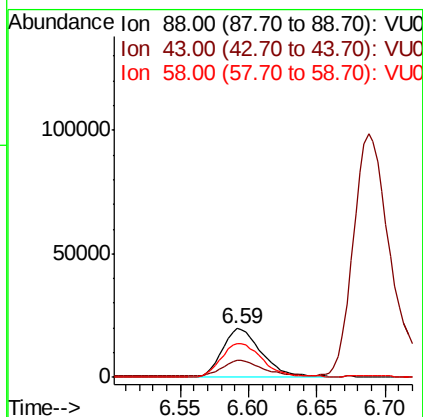
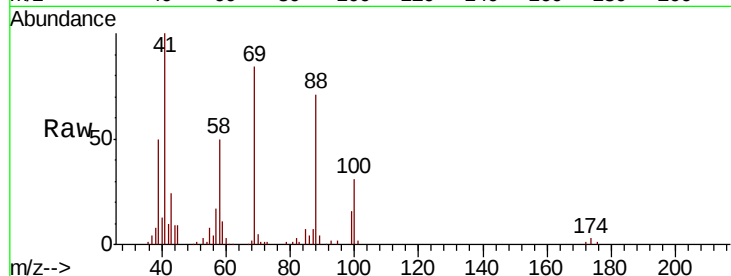




#49
1,4-Dioxane
Concen: 335.082 ug/l
RT: 6.59 min Scan# 1711
Delta R.T. -0.00 min
Lab File: VU034165.D
Acq: 01 Sep 2019 13:46

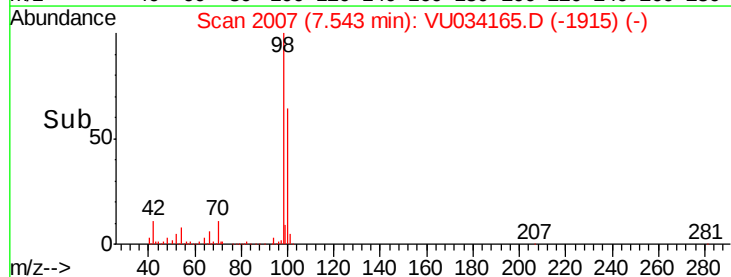
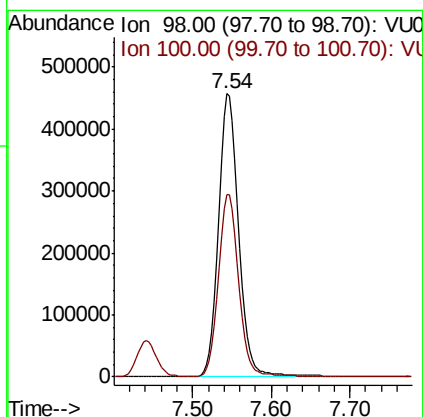
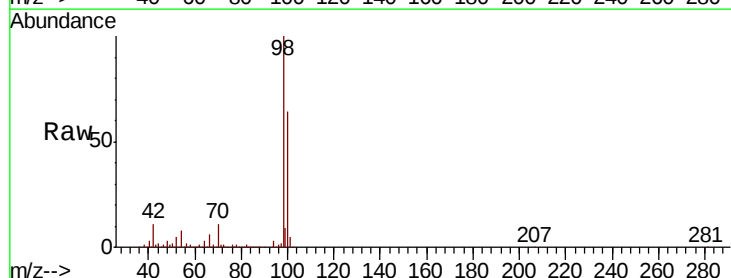
Instrument :
MSVOA_U
ClientSampleId :

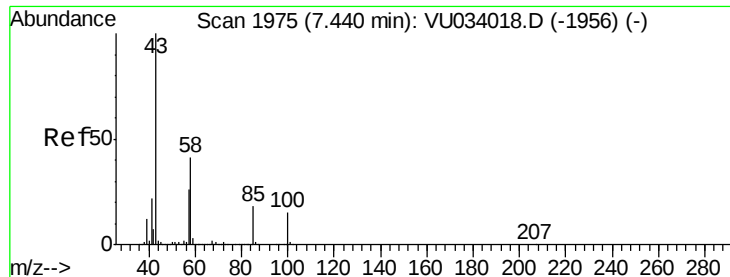
Tot Ion: 88 Resp: 40272
Ion Ratio Lower Upper
88 100
43 30.2 24.8 37.2
58 73.0 59.3 88.9



#50
Toluene-d8
Concen: 50.354 ug/l
RT: 7.54 min Scan# 2007
Delta R.T. -0.00 min
Lab File: VU034165.D
Acq: 01 Sep 2019 13:46

Tgt Ion: 98 Resp: 806689
Ion Ratio Lower Upper
98 100
100 64.4 50.3 75.5





#51

4-Methyl-2-Pentanone

Concen: 100.650 ug/l

RT: 7.44 min Scan# 1975

Delta R.T. 0.00 min

Lab File: VU034165.D

Acq: 01 Sep 2019 13:46

Instrument :

MSVOA_U

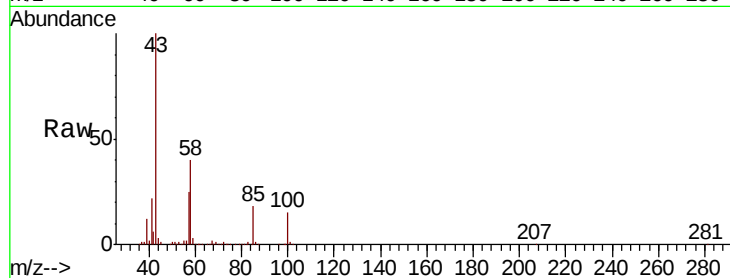
ClientSampled :

Tot Ion: 43 Resp: 690953

Ion Ratio Lower Upper

43 100

58 39.8 32.2 48.4

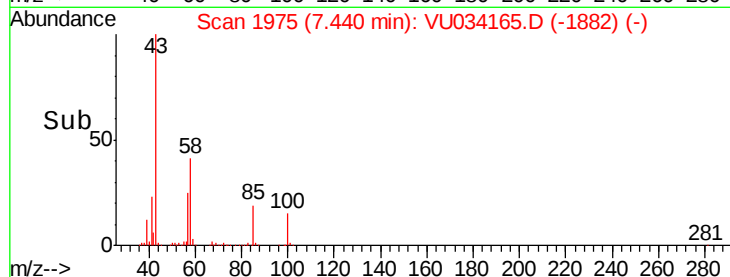


Abundance Ion 43.00 (42.70 to 43.70): VU034018.D (-1956) (-)

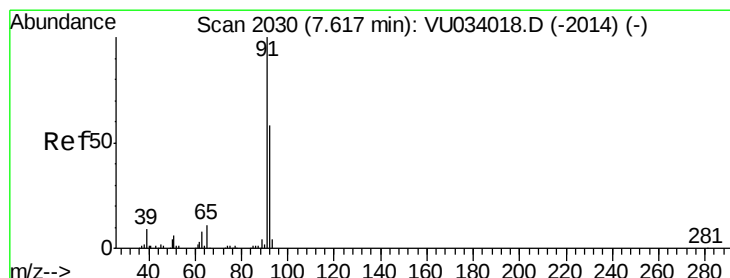
Ion 58.00 (57.70 to 58.70): VU034018.D (-1956) (-)

7.44

Time-->



Time-->



#52

Toluene

Concen: 21.282 ug/l

RT: 7.62 min Scan# 2030

Delta R.T. 0.00 min

Lab File: VU034165.D

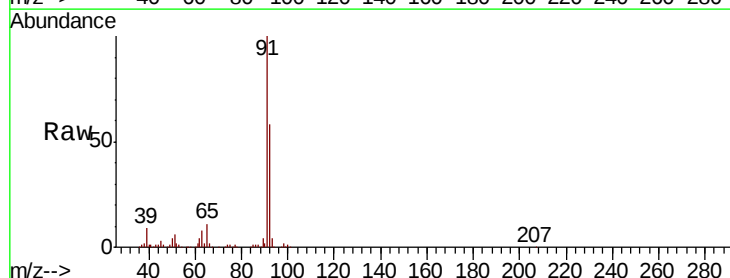
Acq: 01 Sep 2019 13:46

Tgt Ion: 92 Resp: 231437

Ion Ratio Lower Upper

92 100

91 171.7 138.3 207.5

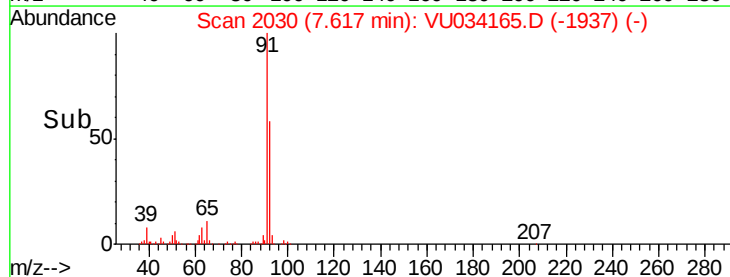


Abundance Ion 92.00 (91.70 to 92.70): VU034018.D (-2014) (-)

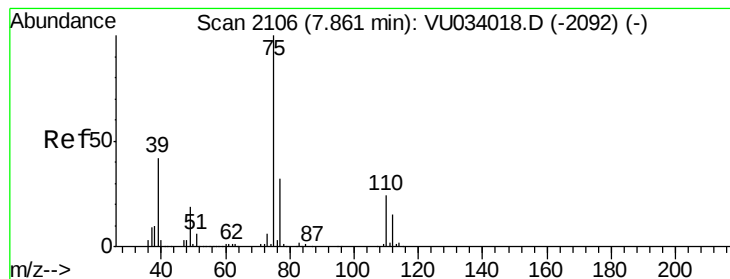
Ion 91.00 (90.70 to 91.70): VU034018.D (-2014) (-)

7.62

Time-->



Time-->



#53

t-1,3-Dichloropropene

Concen: 19.835 ug/l

RT: 7.86 min Scan# 2106

Delta R.T. 0.00 min

Lab File: VU034165.D

Acq: 01 Sep 2019 13:46

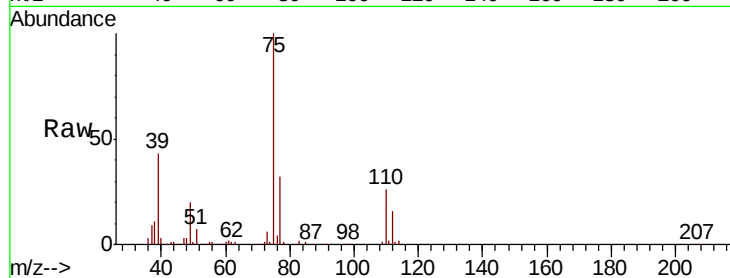
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 75 Resp: 134810

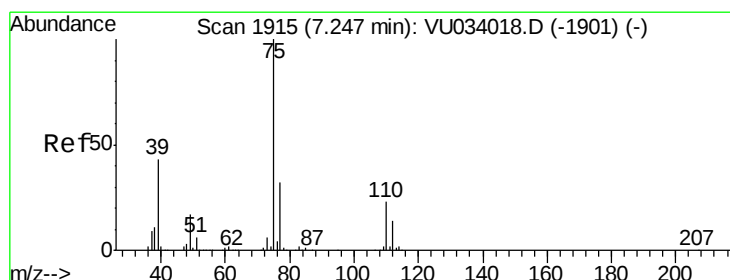
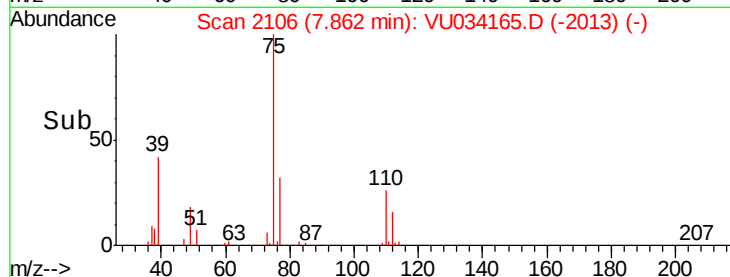
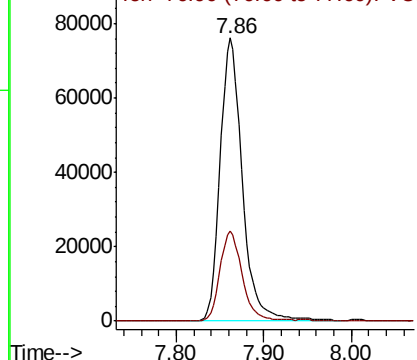
Ion Ratio Lower Upper

75 100

77 31.9 25.4 38.0



Abundance Ion 74.90 (74.60 to 75.60): VU0
Ion 76.90 (76.60 to 77.60): VU0



#54

cis-1,3-Dichloropropene

Concen: 20.473 ug/l

RT: 7.25 min Scan# 1916

Delta R.T. 0.00 min

Lab File: VU034165.D

Acq: 01 Sep 2019 13:46

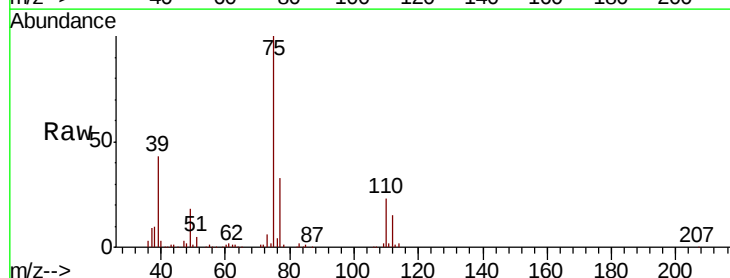
Tgt Ion: 75 Resp: 152023

Ion Ratio Lower Upper

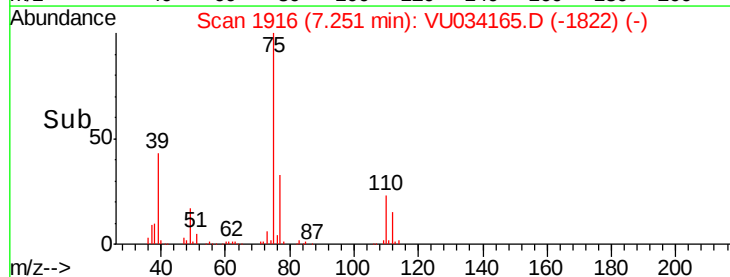
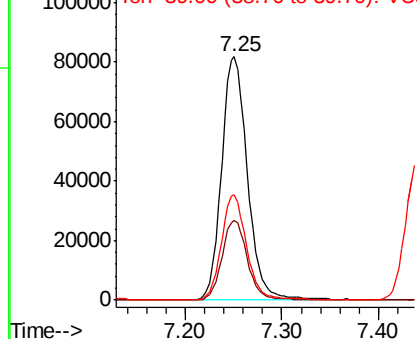
75 100

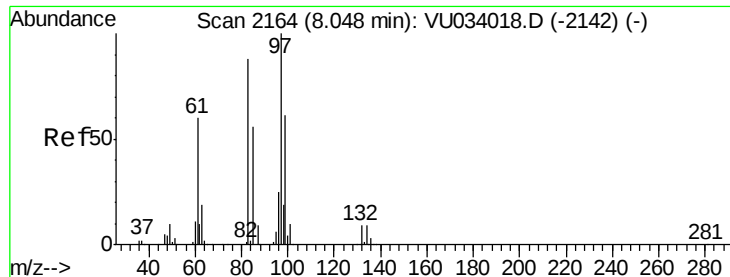
77 32.7 25.2 37.8

39 42.9 34.6 51.8



Abundance Ion 74.90 (74.60 to 75.60): VU0
Ion 76.90 (76.60 to 77.60): VU0
Ion 39.00 (38.70 to 39.70): VU0





#55

1,1,2-Trichloroethane

Concen: 20.618 ug/l

RT: 8.05 min Scan# 2164

Delta R.T. 0.00 min

Lab File: VU034165.D

Acq: 01 Sep 2019 13:46

Instrument :

MSVOA_U

ClientSampleId :

Tot Ion: 97 Resp: 94840

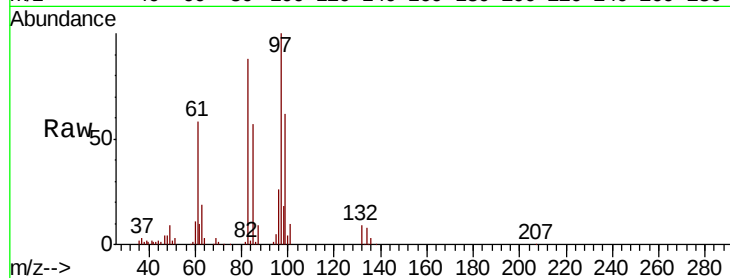
Ion Ratio Lower Upper

97 100

83 87.6 70.1 105.1

85 56.8 45.0 67.4

99 61.3 49.8 74.8

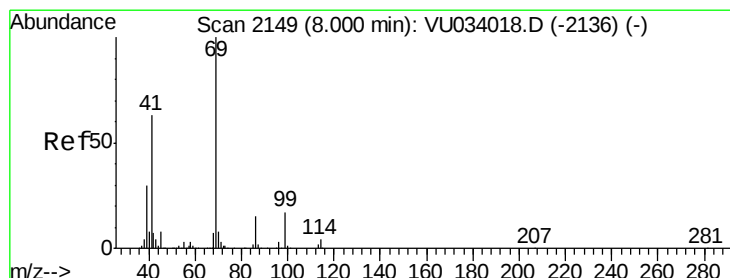
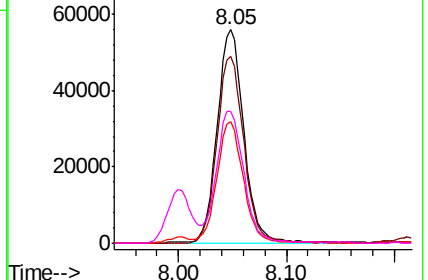
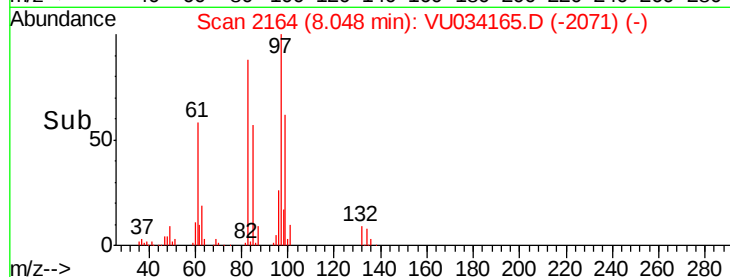


Abundance Ion 96.90 (96.60 to 97.60): VU0

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: 18.086 ug/l

RT: 8.00 min Scan# 2149

Delta R.T. 0.00 min

Lab File: VU034165.D

Acq: 01 Sep 2019 13:46

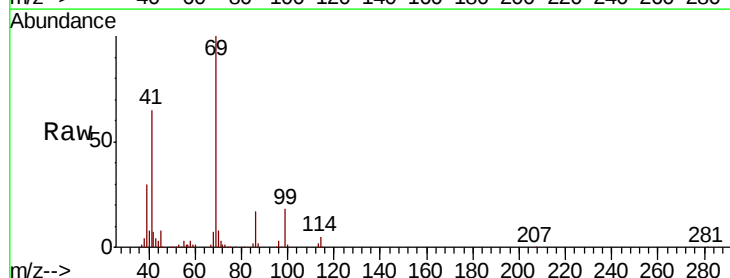
Tgt Ion: 69 Resp: 133171

Ion Ratio Lower Upper

69 100

41 64.2 50.7 76.1

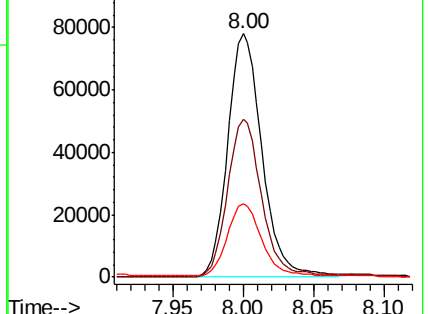
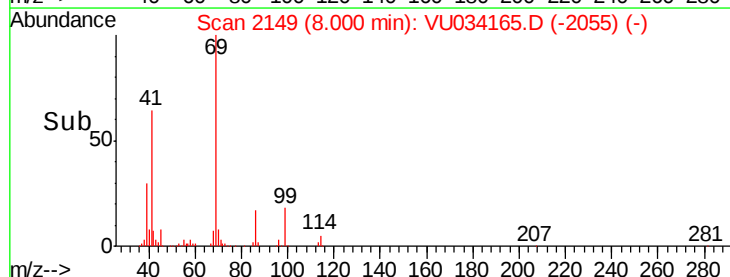
39 29.6 24.2 36.2

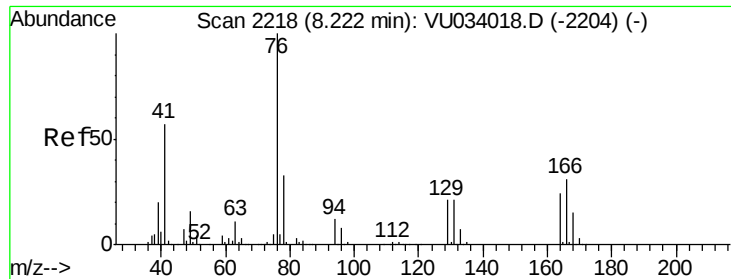


Abundance Ion 69.00 (68.70 to 69.70): VU0

Ion 41.00 (40.70 to 41.70): VU0

Ion 39.00 (38.70 to 39.70): VU0

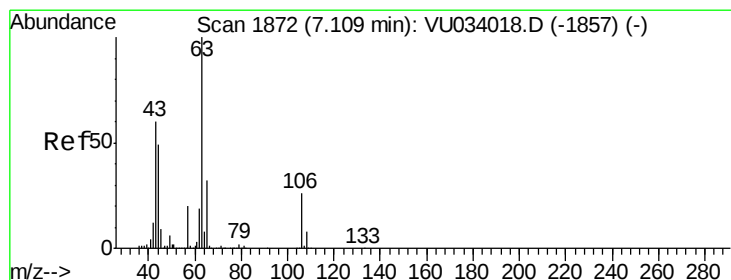
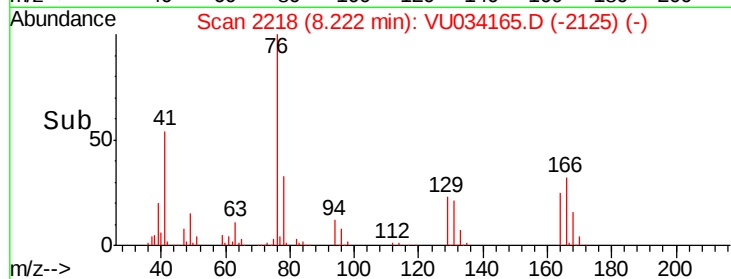
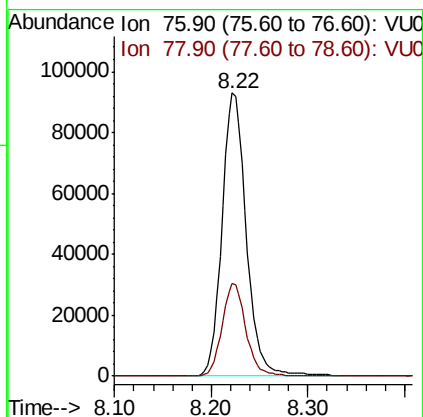
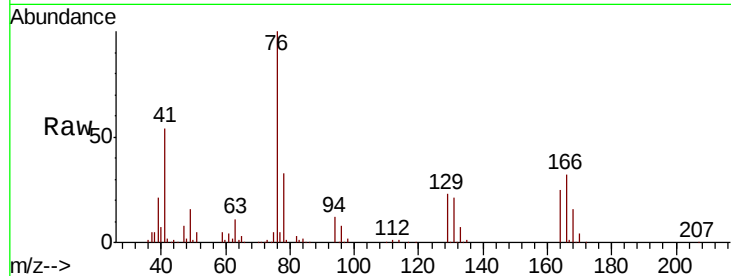




#57
 1,3-Dichloropropane
 Concen: 20.738 ug/l
 RT: 8.22 min Scan# 2218
 Delta R.T. 0.00 min
 Lab File: VU034165.D
 Acq: 01 Sep 2019 13:46

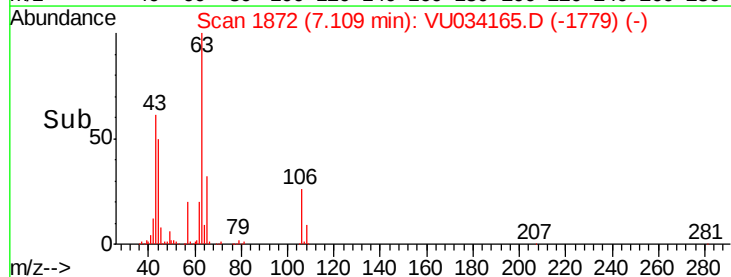
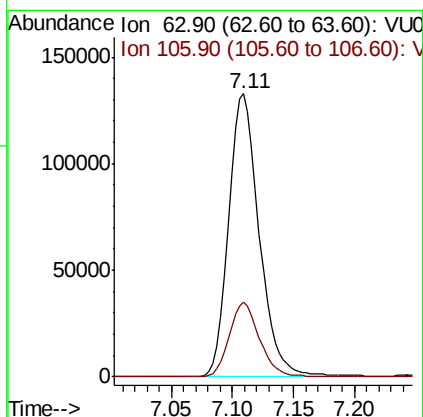
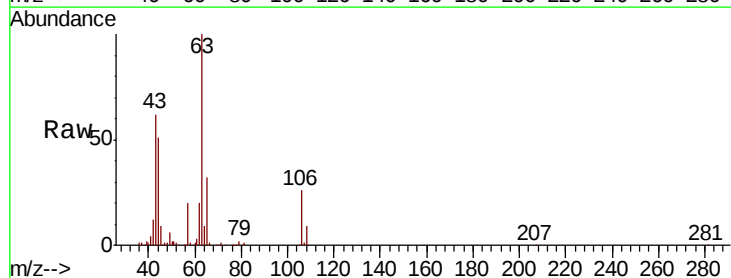
Instrument :
 MSVOA_U
 ClientSampled :

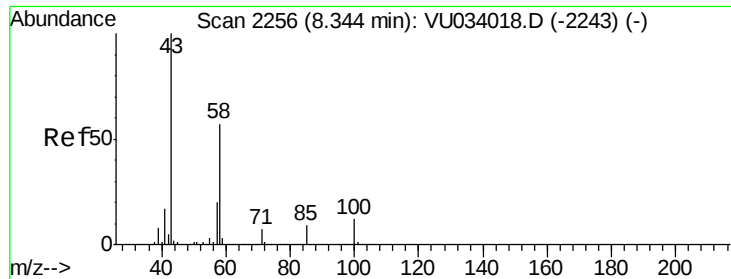
Tot Ion: 76 Resp: 161971
 Ion Ratio Lower Upper
 76 100
 78 32.0 26.2 39.4



#58
 2-Chloroethyl Vinyl ether
 Concen: 91.327 ug/l
 RT: 7.11 min Scan# 1872
 Delta R.T. 0.00 min
 Lab File: VU034165.D
 Acq: 01 Sep 2019 13:46

Tgt Ion: 63 Resp: 232412
 Ion Ratio Lower Upper
 63 100
 106 26.0 20.7 31.1

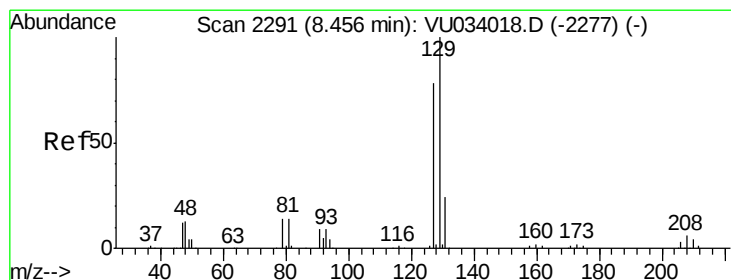
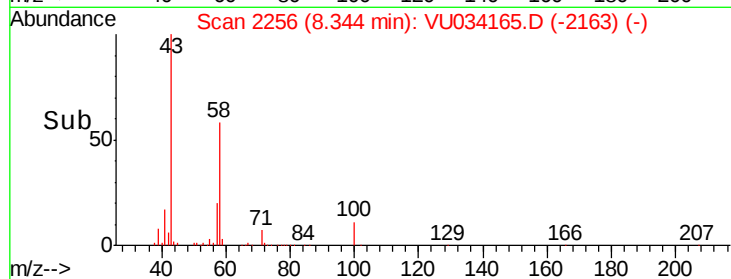
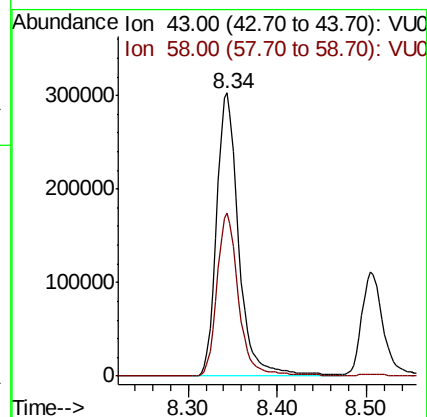
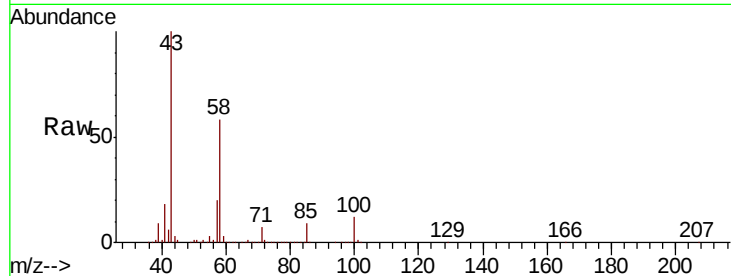




#59
2-Hexanone
Concen: 99.740 ug/l
RT: 8.34 min Scan# 2256
Delta R.T. 0.00 min
Lab File: VU034165.D
Acq: 01 Sep 2019 13:46

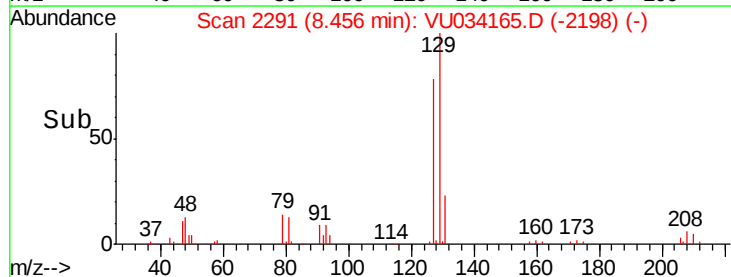
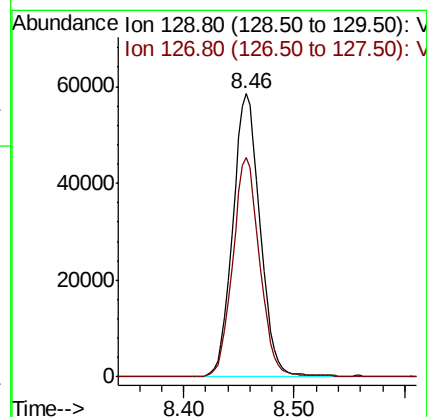
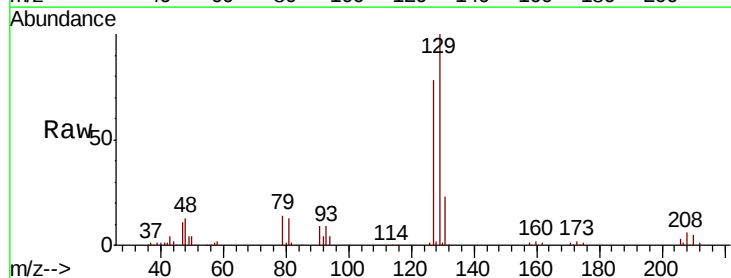
Instrument :
MSVOA_U
ClientSampleId :

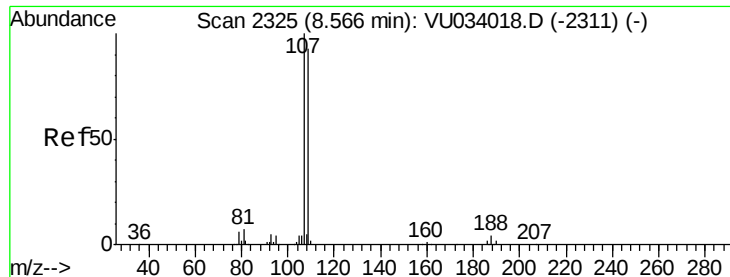
Tot Ion: 43 Resp: 516889
Ion Ratio Lower Upper
43 100
58 56.8 28.4 85.3



#60
Dibromochloromethane
Concen: 20.352 ug/l
RT: 8.46 min Scan# 2291
Delta R.T. 0.00 min
Lab File: VU034165.D
Acq: 01 Sep 2019 13:46

Tgt Ion: 129 Resp: 100491
Ion Ratio Lower Upper
129 100
127 75.9 39.0 116.9





#61

1,2-Dibromoethane

Concen: 19.935 ug/l

RT: 8.57 min Scan# 2325

Delta R.T. 0.00 min

Lab File: VU034165.D

Acq: 01 Sep 2019 13:46

Instrument :

MSVOA_U

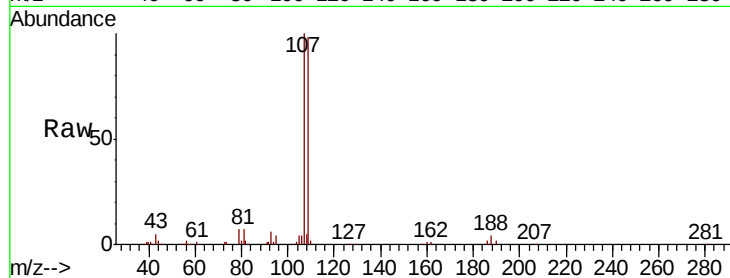
ClientSampleId :

Tot Ion:107 Resp: 96595

Ion Ratio Lower Upper

107 100

109 97.0 75.2 112.8



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

8.57

60000

50000

40000

30000

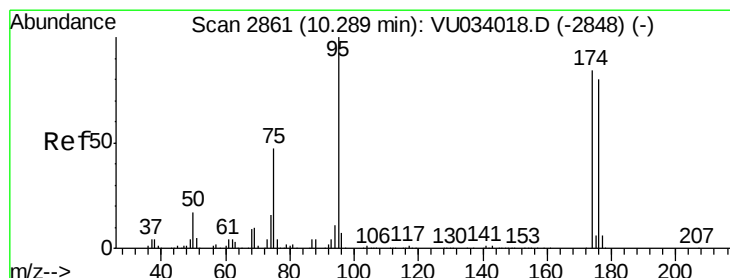
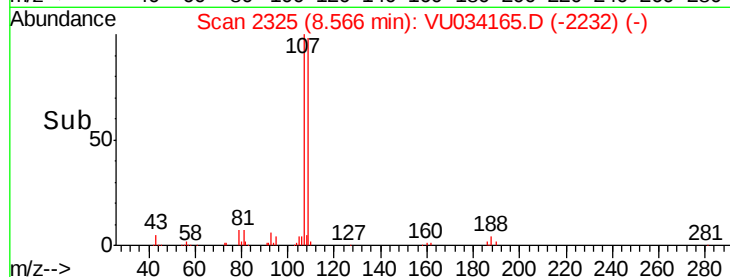
20000

10000

0

8.50 8.55 8.60 8.65

Time-->



#62

4-Bromofluorobenzene

Concen: 48.571 ug/l

RT: 10.29 min Scan# 2860

Delta R.T. -0.00 min

Lab File: VU034165.D

Acq: 01 Sep 2019 13:46

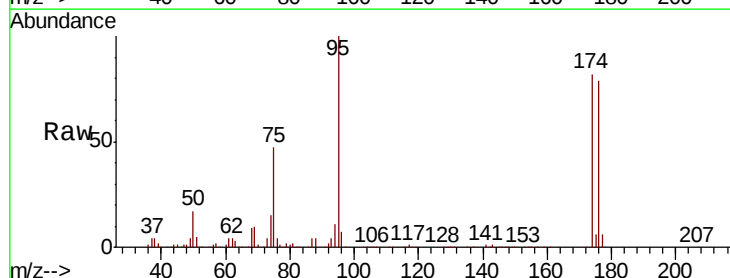
Tgt Ion: 95 Resp: 302687

Ion Ratio Lower Upper

95 100

174 84.1 0.0 168.8

176 80.1 0.0 161.8



Abundance Ion 94.90 (94.60 to 95.60): VU0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

250000

200000

150000

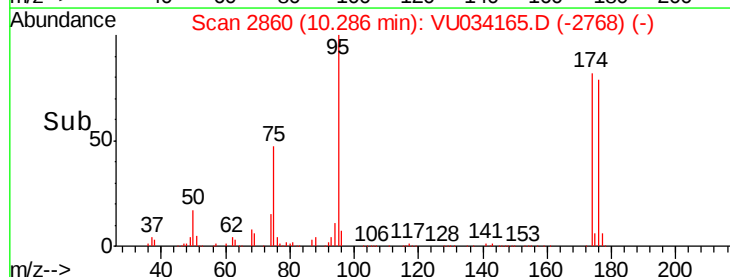
100000

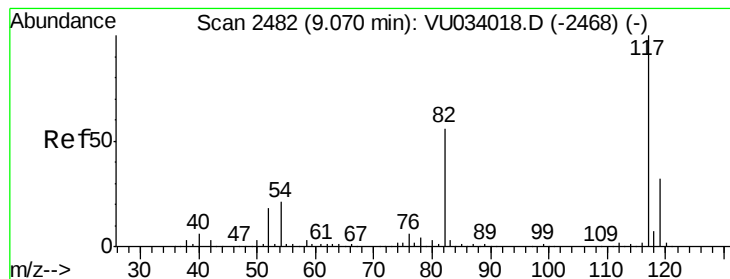
50000

0

10.20 10.30 10.40

Time-->





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 9.07 min Scan# 2482

Delta R.T. 0.00 min

Lab File: VU034165.D

Acq: 01 Sep 2019 13:46

Instrument :
MSVOA_U
ClientSampled :

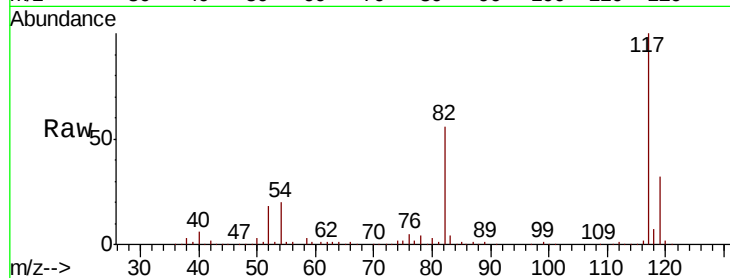
Tot Ion:117 Resp: 603196

Ion Ratio Lower Upper

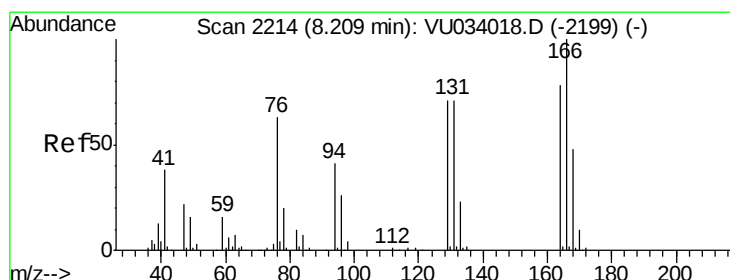
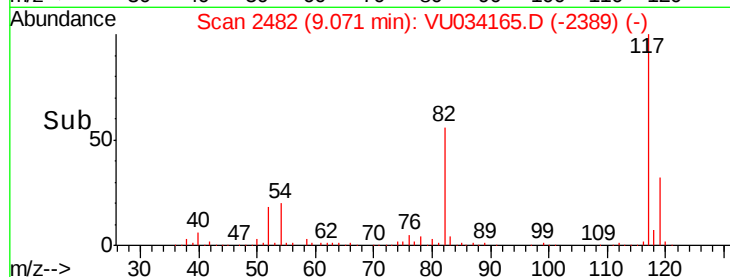
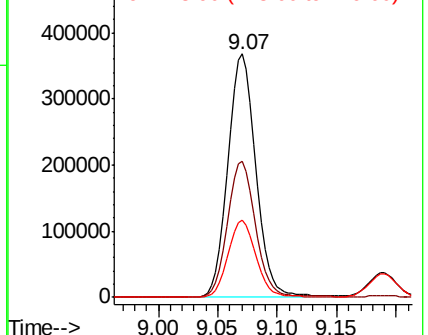
117 100

82 55.7 45.1 67.7

119 31.7 25.4 38.0



Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VU0
Ion 118.90 (118.60 to 119.60): V



#64

Tetrachloroethene

Concen: 21.004 ug/l

RT: 8.21 min Scan# 2214

Delta R.T. 0.00 min

Lab File: VU034165.D

Acq: 01 Sep 2019 13:46

Tgt Ion:164 Resp: 85083

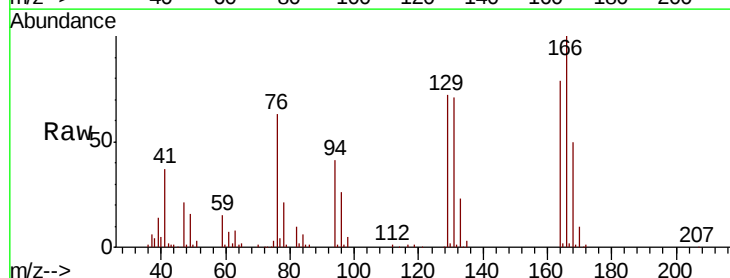
Ion Ratio Lower Upper

164 100

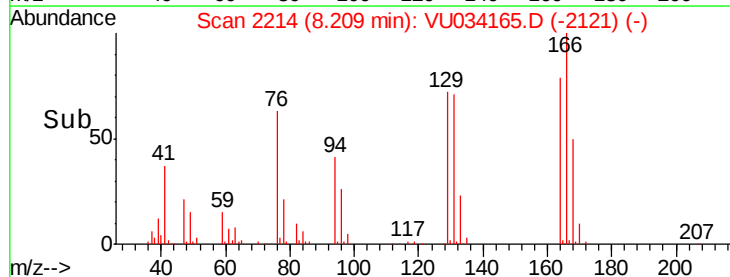
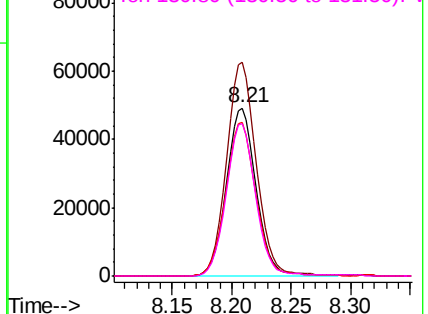
166 127.1 102.2 153.2

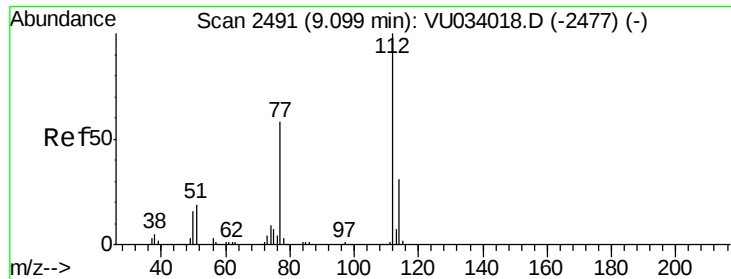
129 91.4 72.4 108.6

131 90.8 72.1 108.1



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

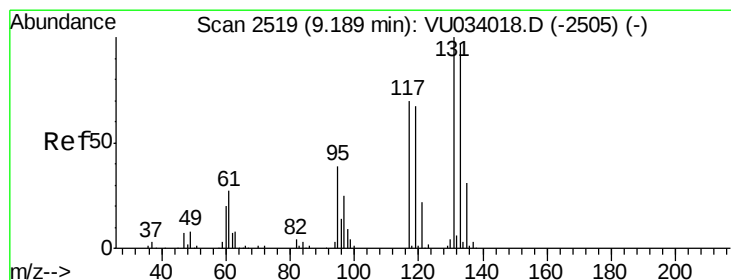
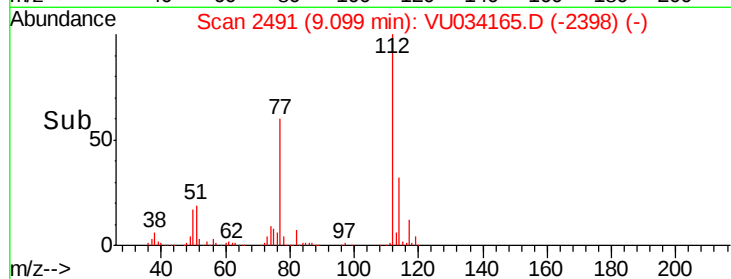
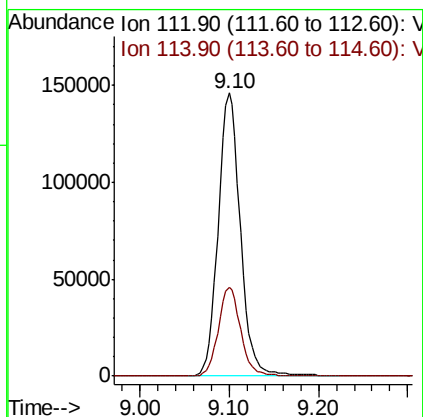
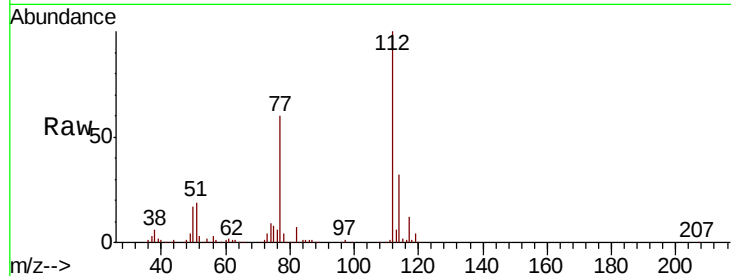




#65
Chlorobenzene
Concen: 20.271 ug/l
RT: 9.10 min Scan# 2491
Delta R.T. 0.00 min
Lab File: VU034165.D
Acq: 01 Sep 2019 13:46

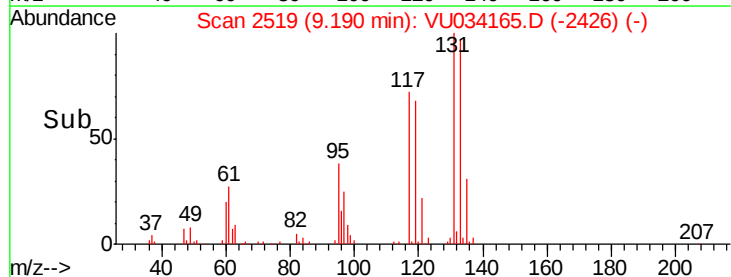
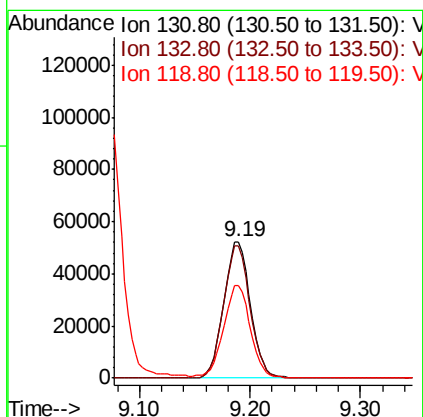
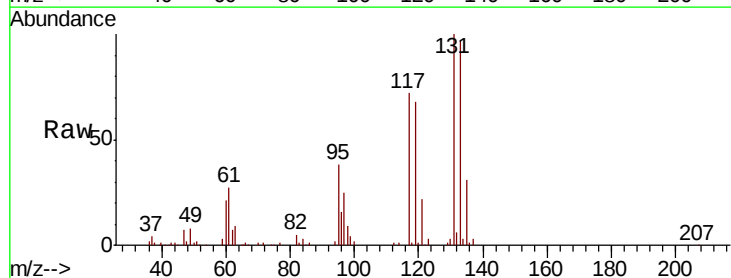
Instrument :
MSVOA_U
ClientSampleId :

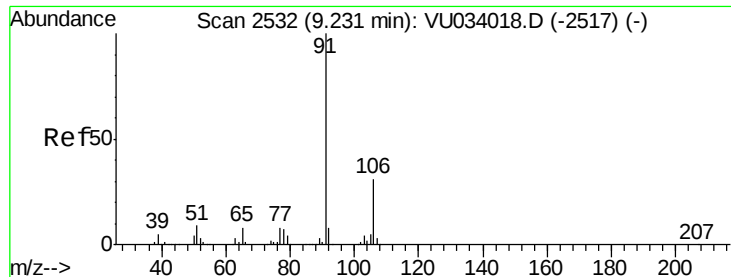
Tot Ion:112 Resp: 251626
Ion Ratio Lower Upper
112 100
114 31.6 25.0 37.4



#66
1,1,1,2-Tetrachloroethane
Concen: 19.516 ug/l
RT: 9.19 min Scan# 2519
Delta R.T. 0.00 min
Lab File: VU034165.D
Acq: 01 Sep 2019 13:46

Tgt Ion:131 Resp: 87844
Ion Ratio Lower Upper
131 100
133 96.2 48.4 145.2
119 68.2 33.6 100.6

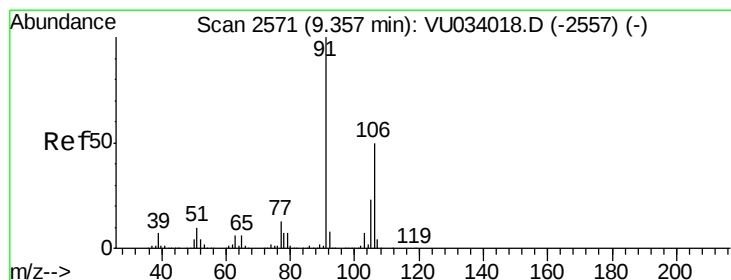
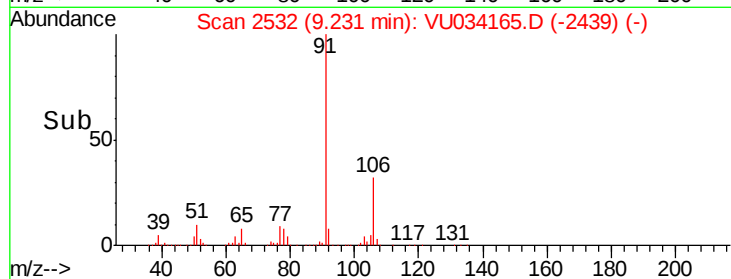
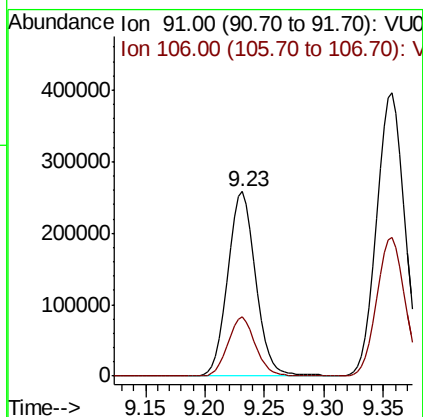
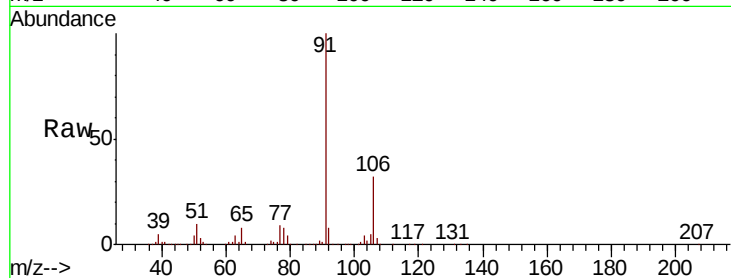




#67
Ethyl Benzene
Concen: 20.097 ug/l
RT: 9.23 min Scan# 2532
Delta R.T. 0.00 min
Lab File: VU034165.D
Acq: 01 Sep 2019 13:46

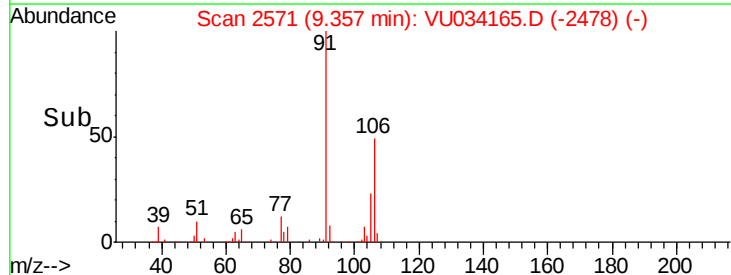
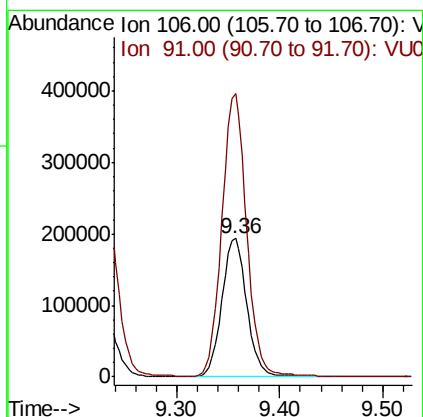
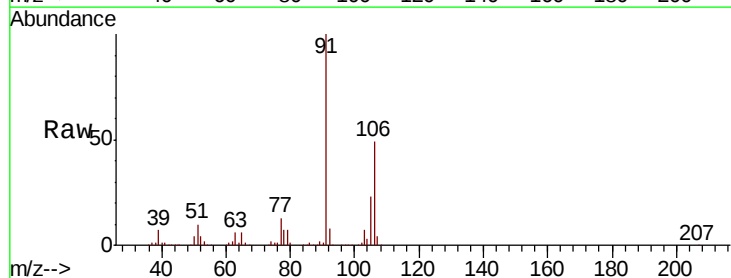
Instrument :
MSVOA_U
ClientSampleId :

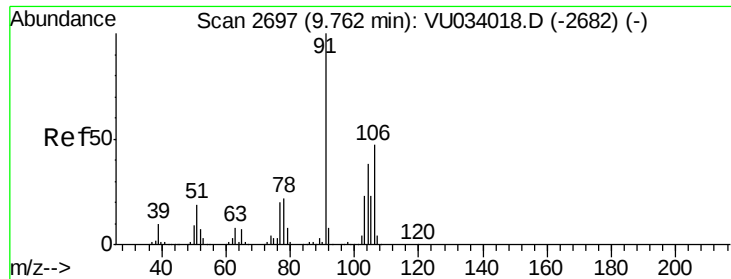
Tot Ion: 91 Resp: 422891
Ion Ratio Lower Upper
91 100
106 31.9 24.9 37.3



#68
m/p-Xylenes
Concen: 40.503 ug/l
RT: 9.36 min Scan# 2571
Delta R.T. 0.00 min
Lab File: VU034165.D
Acq: 01 Sep 2019 13:46

Tgt Ion: 106 Resp: 324064
Ion Ratio Lower Upper
106 100
91 204.1 161.6 242.4

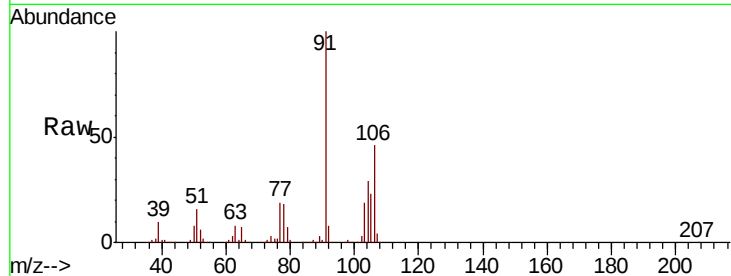




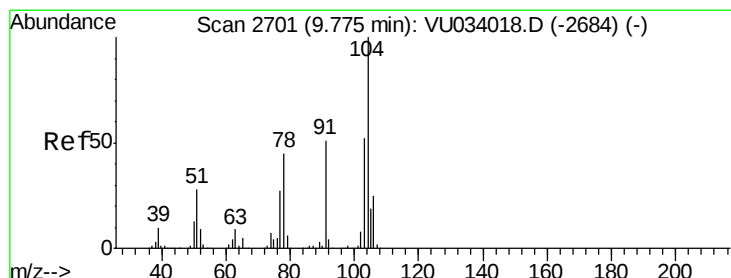
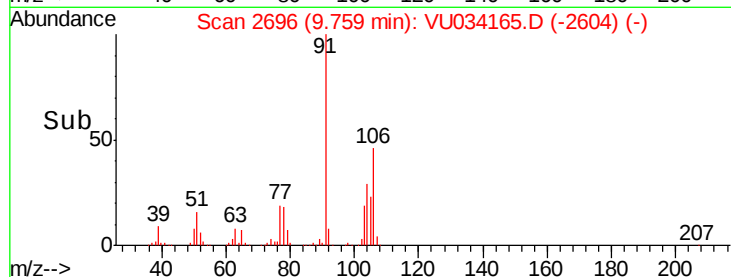
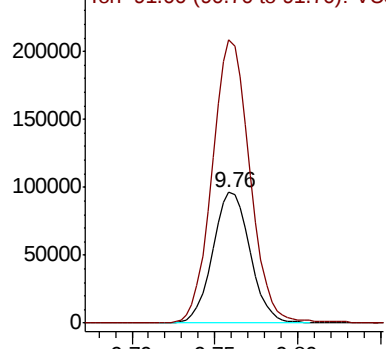
#69
o-Xylene
Concen: 19.731 ug/l
RT: 9.76 min Scan# 2696
Delta R.T. -0.00 min
Lab File: VU034165.D
Acq: 01 Sep 2019 13:46

Instrument :
MSVOA_U
ClientSampled :

Tot Ion:106 Resp: 151457
Ion Ratio Lower Upper
106 100
91 218.4 106.0 318.0

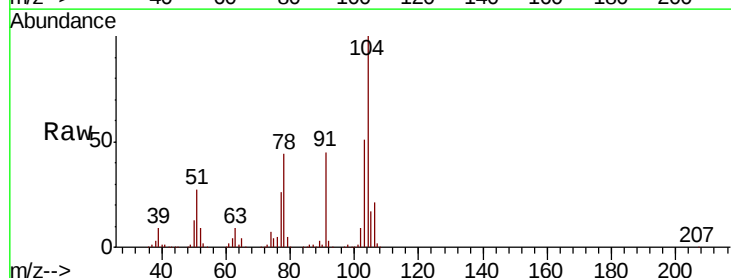


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VU0

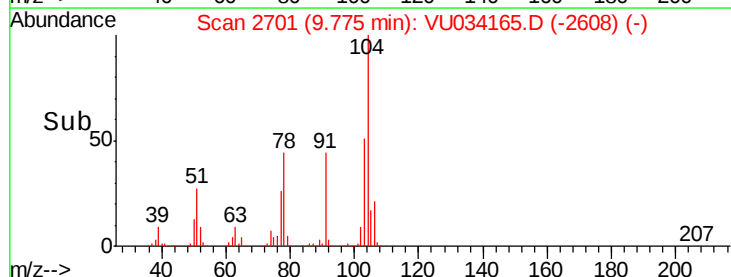
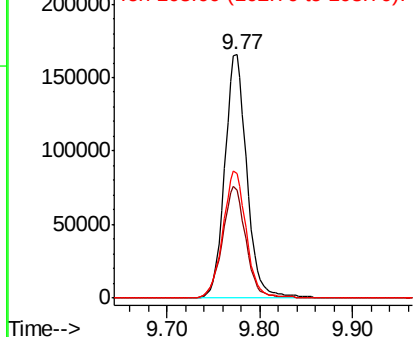


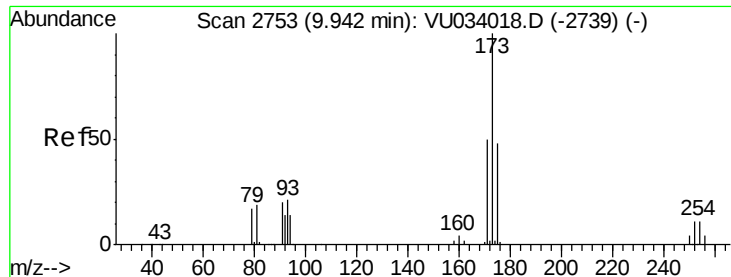
#70
Styrene
Concen: 20.834 ug/l
RT: 9.77 min Scan# 2701
Delta R.T. 0.00 min
Lab File: VU034165.D
Acq: 01 Sep 2019 13:46

Tgt Ion:104 Resp: 274211
Ion Ratio Lower Upper
104 100
78 48.8 39.0 58.4
103 55.4 44.0 66.0



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





#71

Bromoform

Concen: 19.010 ug/l

RT: 9.94 min Scan# 2752

Delta R.T. -0.00 min

Lab File: VU034165.D

Acq: 01 Sep 2019 13:46

Instrument :
MSVOA_U
ClientSampleId :

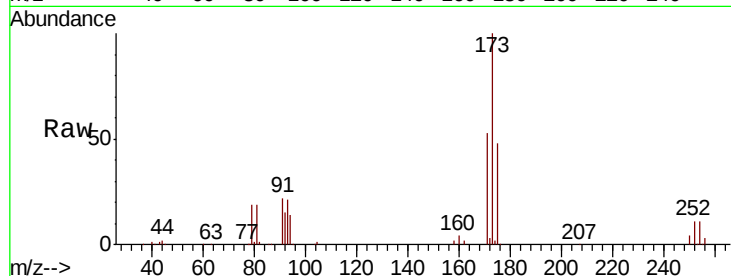
Tot Ion:173 Resp: 74342

Ion Ratio Lower Upper

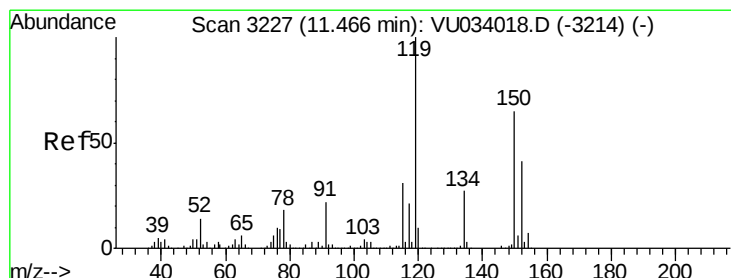
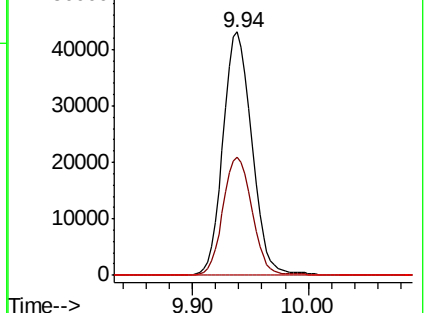
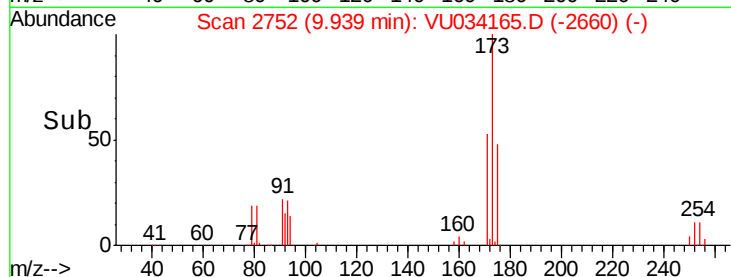
173 100

175 49.0 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: VU034165.D

Acq: 01 Sep 2019 13:46

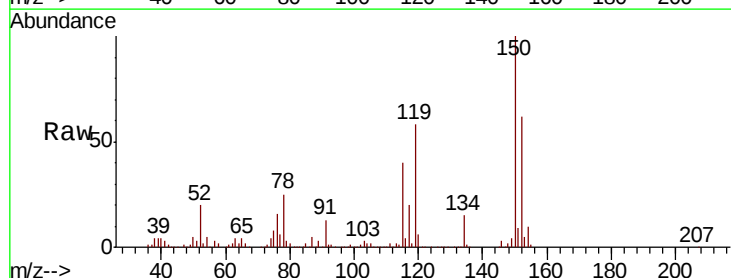
Tgt Ion:152 Resp: 326863

Ion Ratio Lower Upper

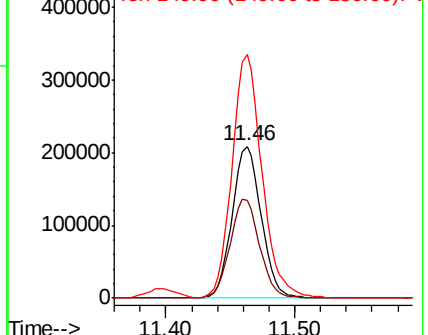
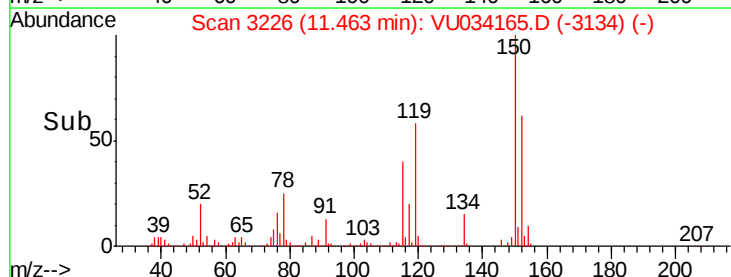
152 100

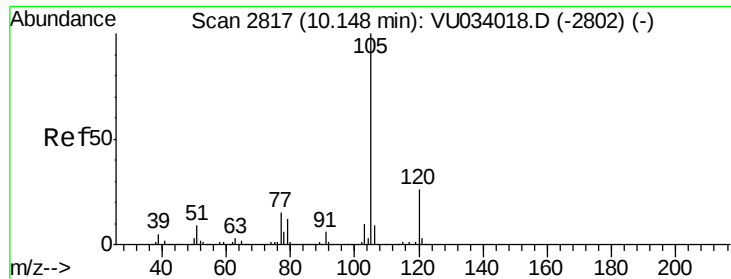
115 66.5 41.1 123.3

150 164.8 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: 19.340 ug/l

RT: 10.15 min Scan# 2817

Delta R.T. 0.00 min

Lab File: VU034165.D

Acq: 01 Sep 2019 13:46

Instrument :

MSVOA_U

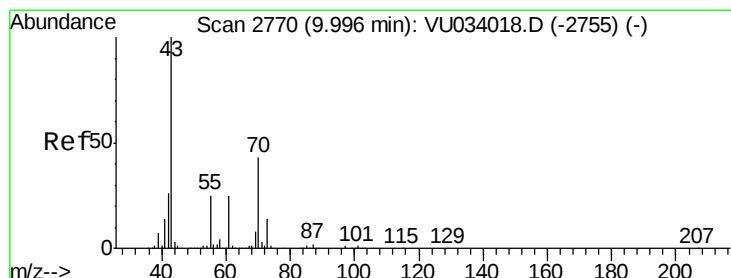
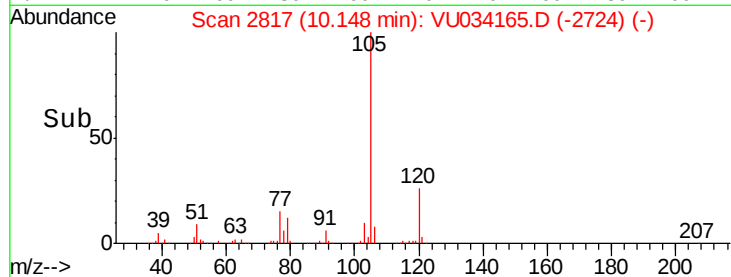
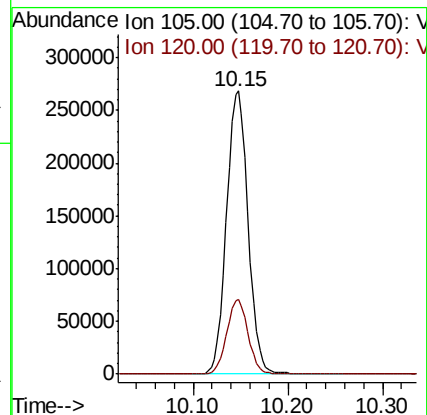
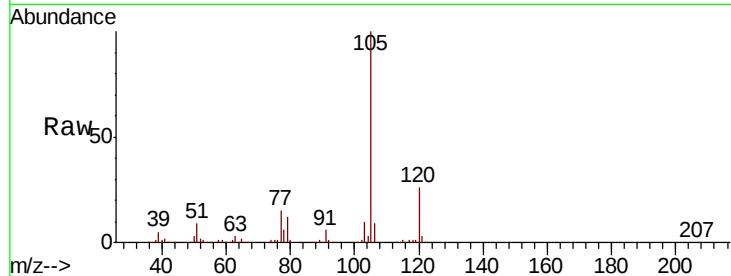
ClientSampleId :

Tot Ion:105 Resp: 424604

Ion Ratio Lower Upper

105 100

120 26.1 13.3 39.8



#74

N-ethyl acetate

Concen: 18.614 ug/l

RT: 9.99 min Scan# 2769

Delta R.T. -0.00 min

Lab File: VU034165.D

Acq: 01 Sep 2019 13:46

Tgt Ion: 43 Resp: 171888

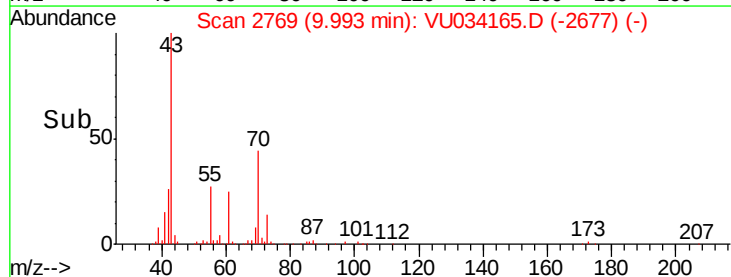
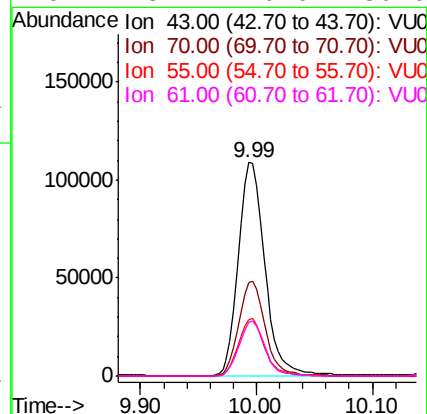
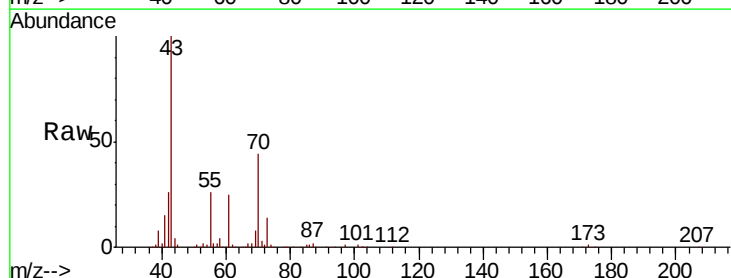
Ion Ratio Lower Upper

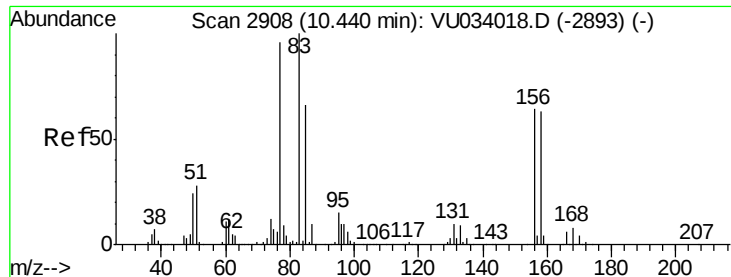
43 100

70 44.3 35.2 52.8

55 26.4 20.5 30.7

61 25.2 20.0 30.0





#75

1,1,2,2-Tetrachloroethane

Concen: 18.991 ug/l

RT: 10.44 min Scan# 2907

Delta R.T. -0.00 min

Lab File: VU034165.D

Acq: 01 Sep 2019 13:46

Instrument :

MSVOA_U

ClientSampleId :

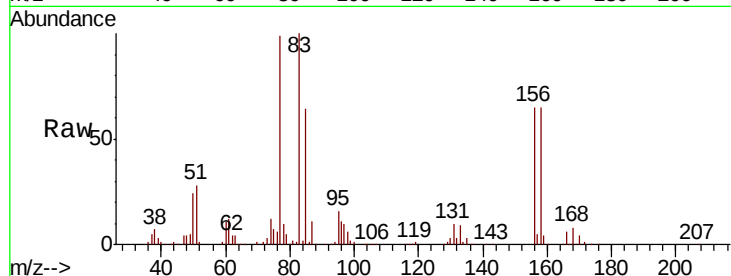
Tot Ion: 83 Resp: 159588

Ion Ratio Lower Upper

83 100

131 9.7 5.0 14.9

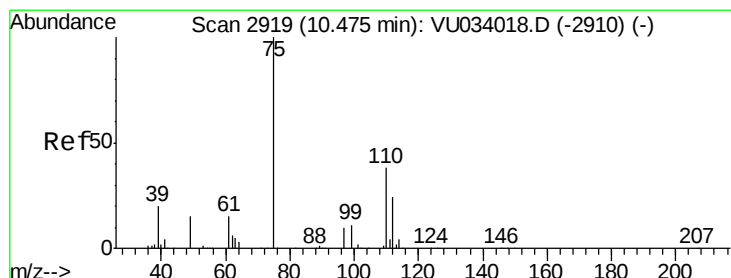
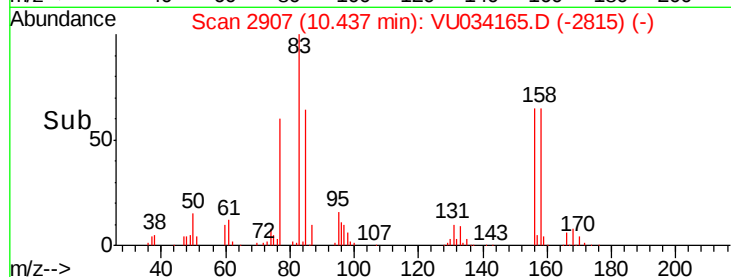
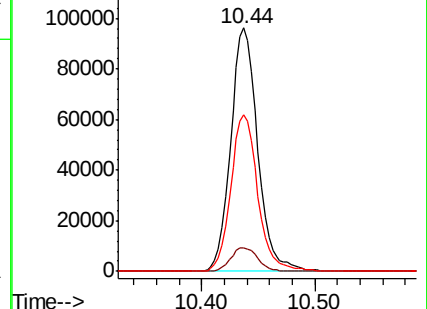
85 64.3 32.2 96.6



Abundance Ion 82.90 (82.60 to 83.60): VU034165.D (-2893) (-)

Ion 130.80 (130.50 to 131.50): VU034165.D (-2893) (-)

Ion 84.90 (84.60 to 85.60): VU034165.D (-2893) (-)



#76

1,2,3-Trichloropropane

Concen: 23.846 ug/l

RT: 10.48 min Scan# 2919

Delta R.T. 0.00 min

Lab File: VU034165.D

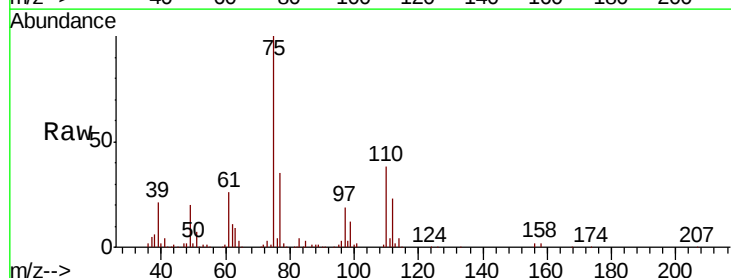
Acq: 01 Sep 2019 13:46

Tgt Ion: 75 Resp: 175669

Ion Ratio Lower Upper

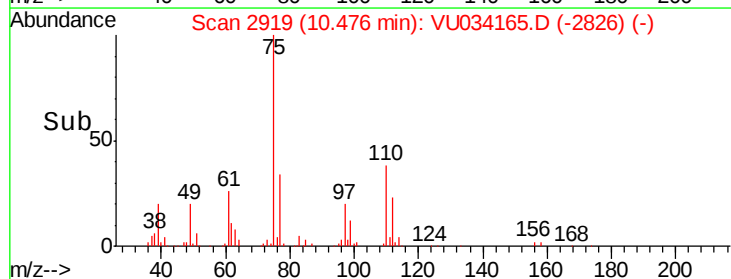
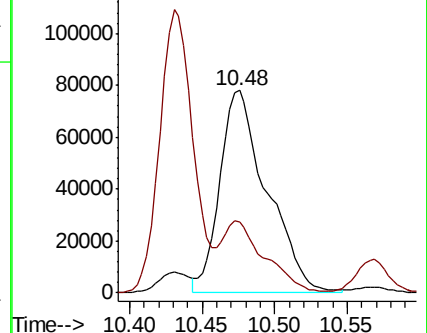
75 100

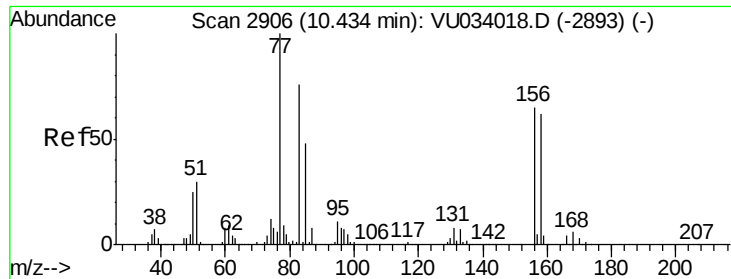
77 31.6 20.1 60.2



Abundance Ion 74.90 (74.60 to 75.60): VU034165.D (-2826) (-)

Ion 77.00 (76.70 to 77.70): VU034165.D (-2826) (-)





#77

Bromobenzene

Concen: 19.058 ug/l

RT: 10.43 min Scan# 2906

Delta R.T. 0.00 min

Lab File: VU034165.D

Acq: 01 Sep 2019 13:46

Instrument :

MSVOA_U

ClientSampled :

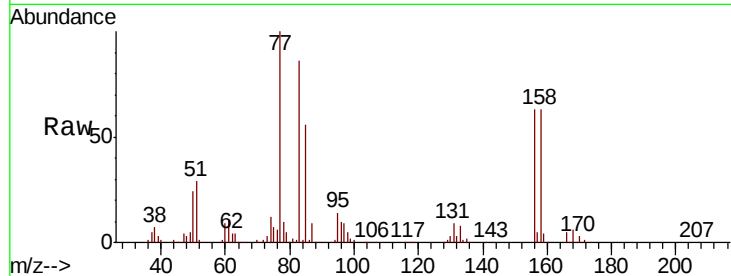
Tot Ion:156 Resp: 112557

Ion Ratio Lower Upper

156 100

77 157.7 76.8 230.5

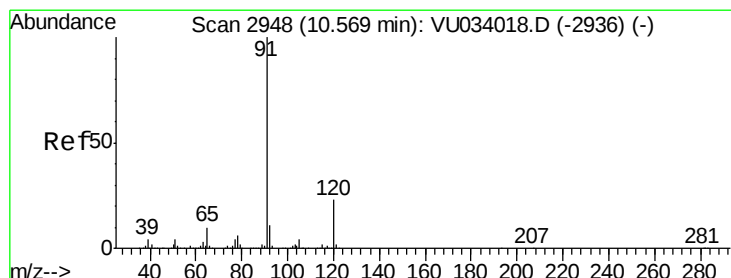
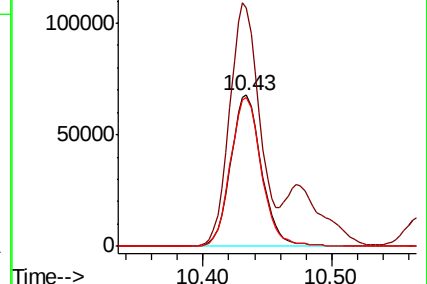
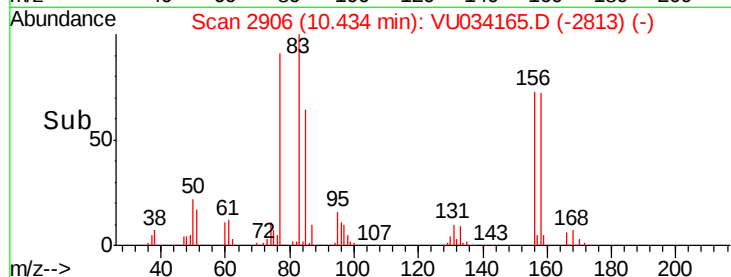
158 98.7 48.4 145.0



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VU0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 19.405 ug/l

RT: 10.57 min Scan# 2947

Delta R.T. -0.00 min

Lab File: VU034165.D

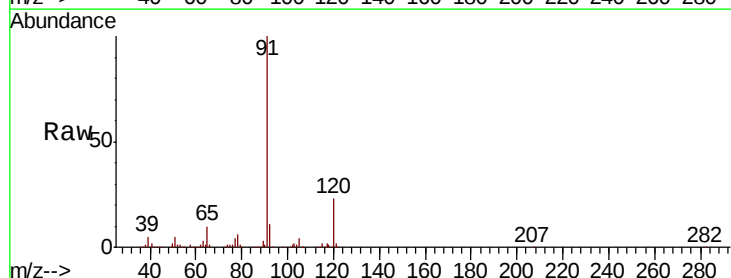
Acq: 01 Sep 2019 13:46

Tgt Ion: 91 Resp: 496159

Ion Ratio Lower Upper

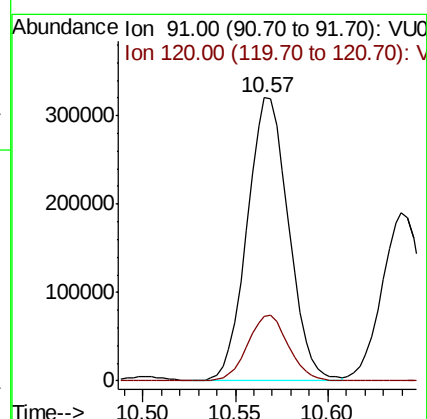
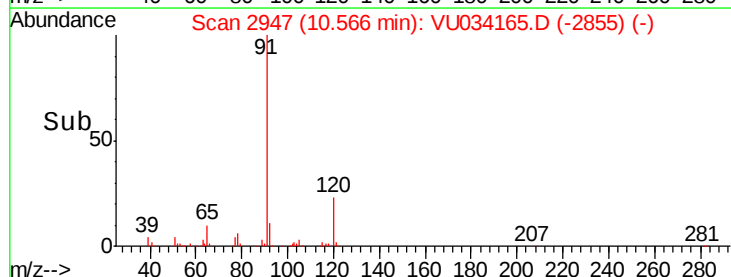
91 100

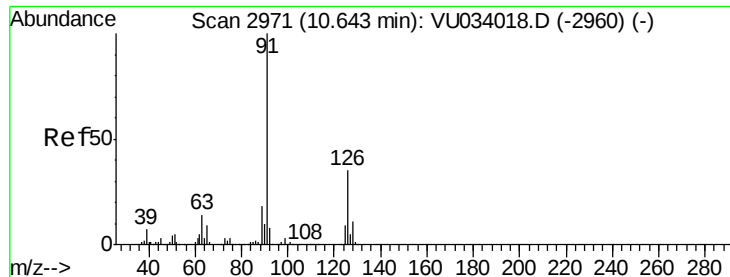
120 22.9 11.7 35.0



Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 19.291 ug/l

RT: 10.64 min Scan# 2970

Delta R.T. -0.00 min

Lab File: VU034165.D

Acq: 01 Sep 2019 13:46

Instrument :

MSVOA_U

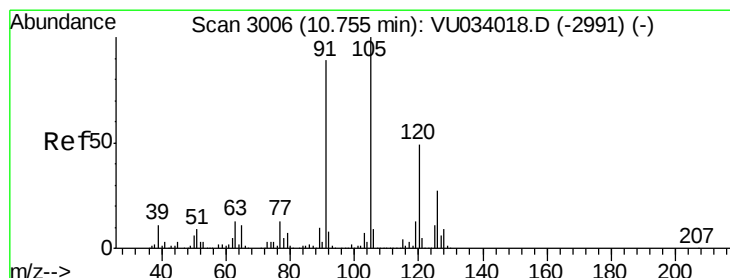
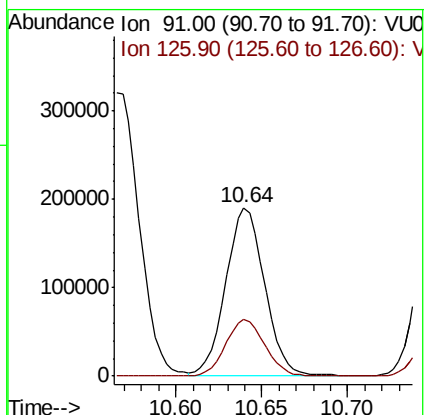
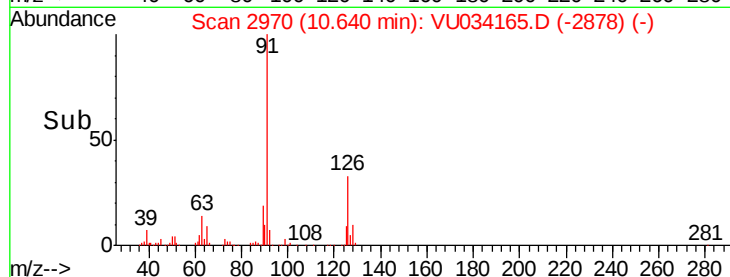
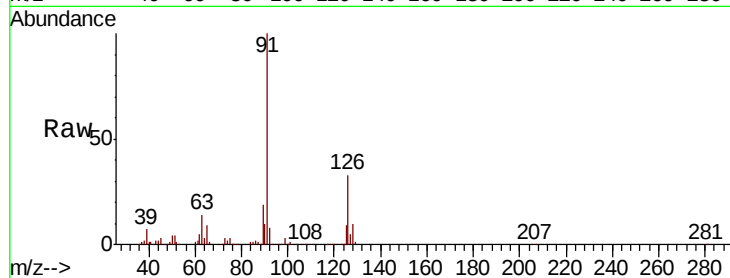
ClientSampleId :

Tot Ion: 91 Resp: 295860

Ion Ratio Lower Upper

91 100

126 34.4 17.1 51.2



#80

1,3,5-Trimethylbenzene

Concen: 19.801 ug/l

RT: 10.75 min Scan# 3005

Delta R.T. -0.00 min

Lab File: VU034165.D

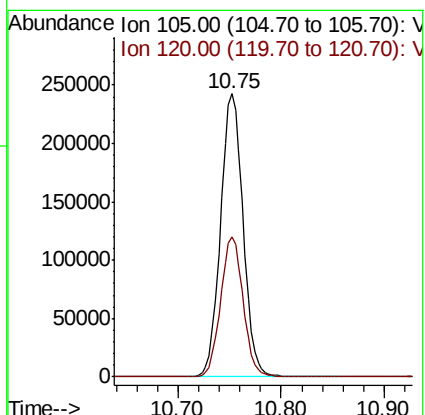
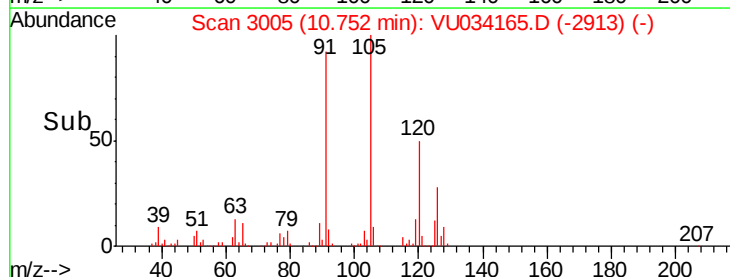
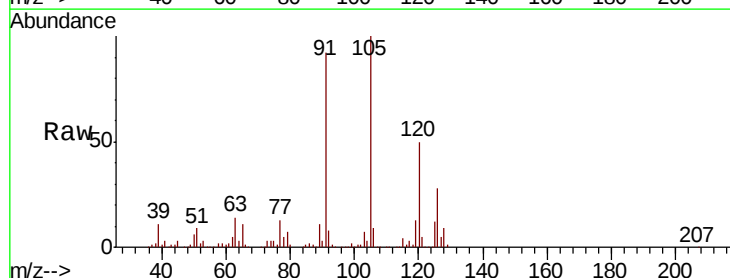
Acq: 01 Sep 2019 13:46

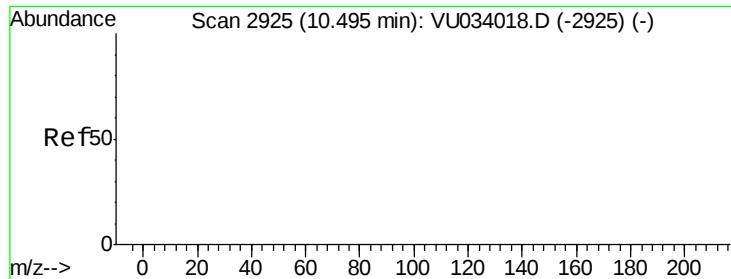
Tgt Ion: 105 Resp: 368465

Ion Ratio Lower Upper

105 100

120 49.4 24.6 73.6

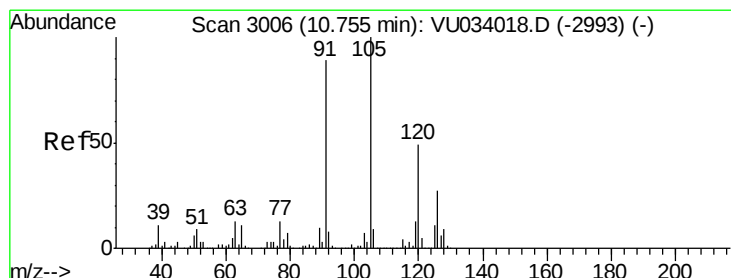
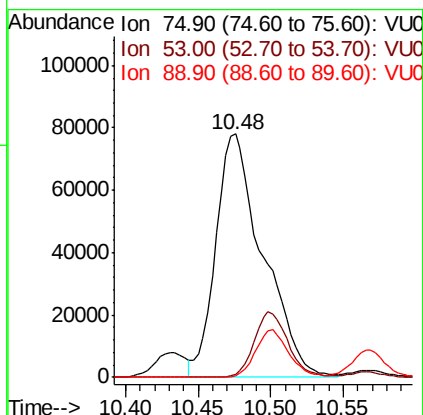
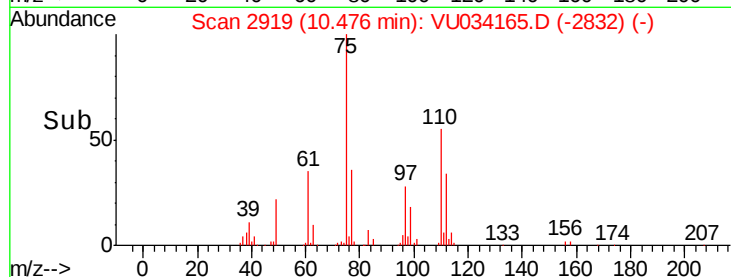
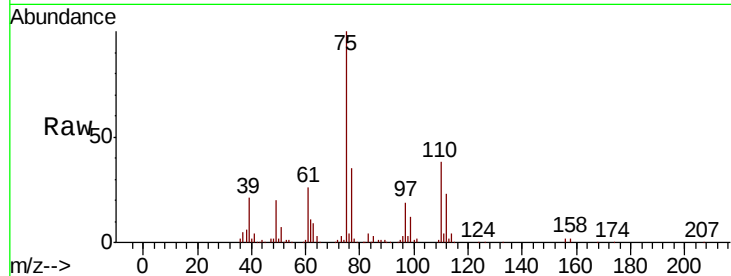




#81
trans-1,4-Dichloro-2-butene
Concen: 80.294 ug/l
RT: 10.48 min Scan# 2919
Delta R.T. -0.02 min
Lab File: VU034165.D
Acq: 01 Sep 2019 13:46

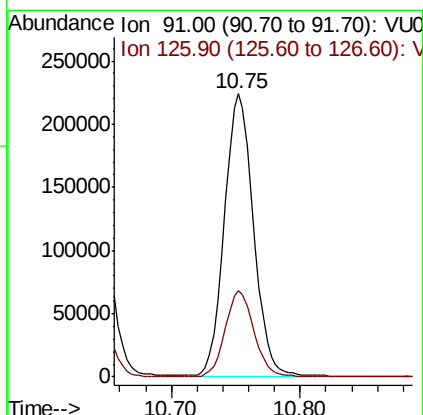
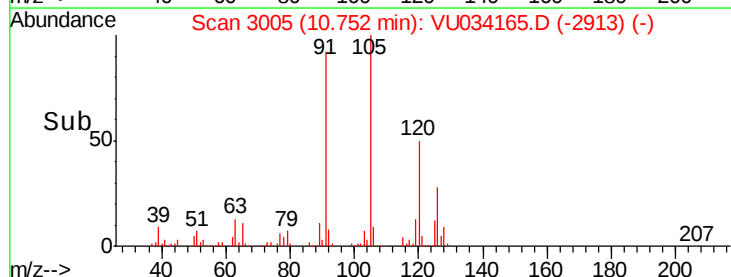
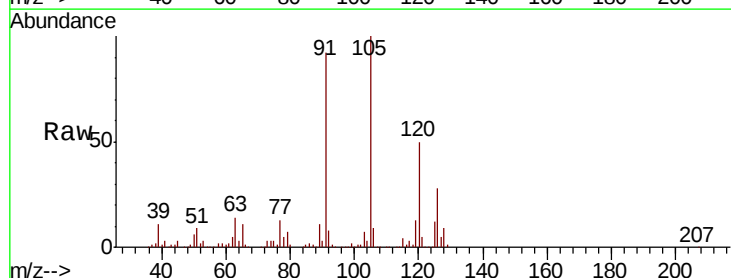
Instrument :
MSVOA_U
ClientSampleId :

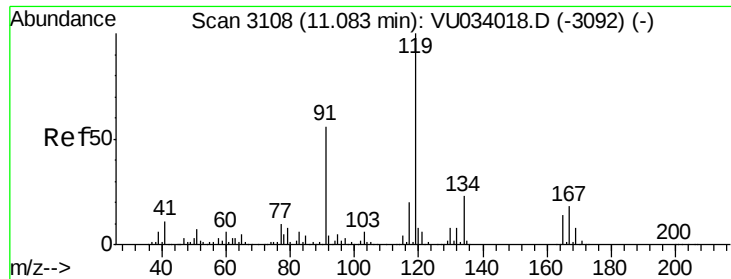
Tot Ion: 75 Resp: 175669
Ion Ratio Lower Upper
75 100
53 0.0 0.0 0.0
89 0.0 0.0 0.0



#82
4-Chlorotoluene
Concen: 19.705 ug/l
RT: 10.75 min Scan# 3005
Delta R.T. -0.00 min
Lab File: VU034165.D
Acq: 01 Sep 2019 13:46

Tgt Ion: 91 Resp: 347551
Ion Ratio Lower Upper
91 100
126 30.2 15.0 45.1

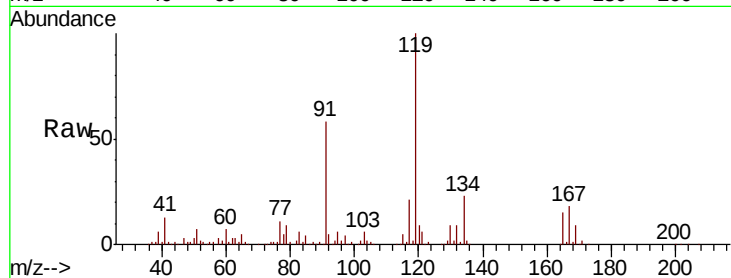




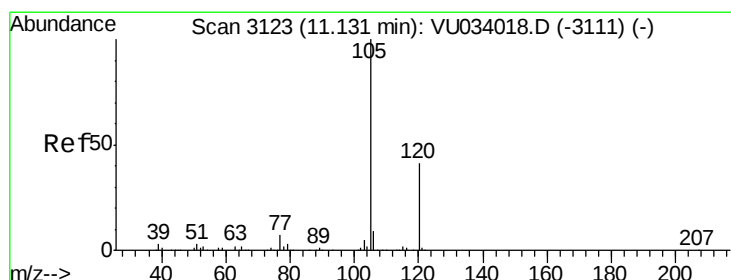
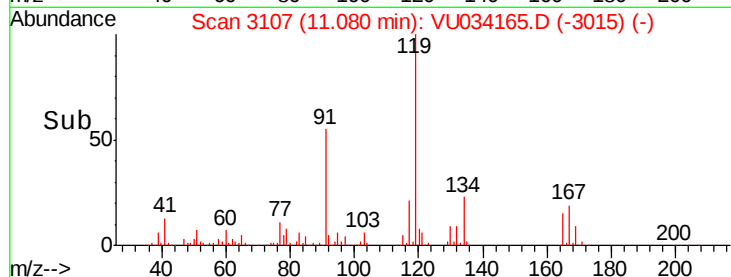
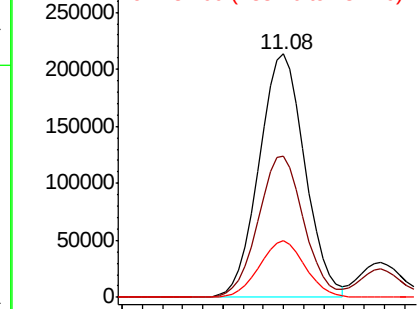
#83
tert-Butylbenzene
Concen: 18.476 ug/l
RT: 11.08 min Scan# 3107
Delta R.T. -0.00 min
Lab File: VU034165.D
Acq: 01 Sep 2019 13:46

Instrument :
MSVOA_U
ClientSampled :

Tot Ion:119 Resp: 338463
Ion Ratio Lower Upper
119 100
91 57.9 27.9 83.6
134 23.2 11.4 34.2

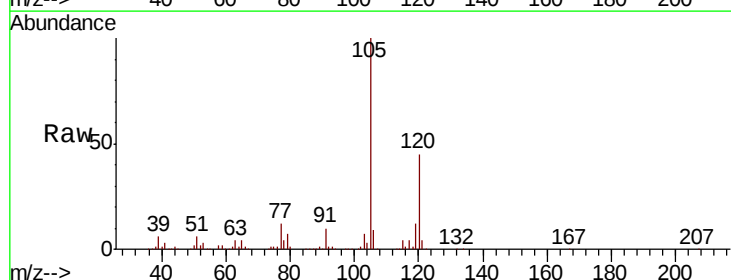


Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): VU
Ion 134.00 (133.70 to 134.70): V

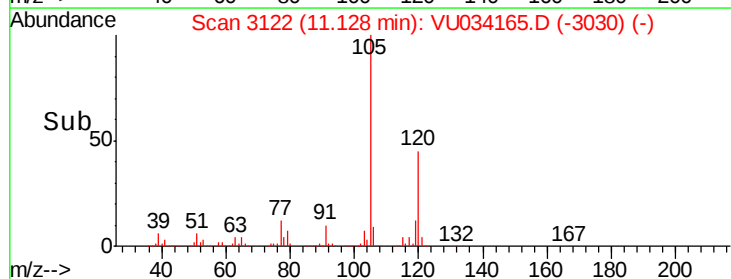
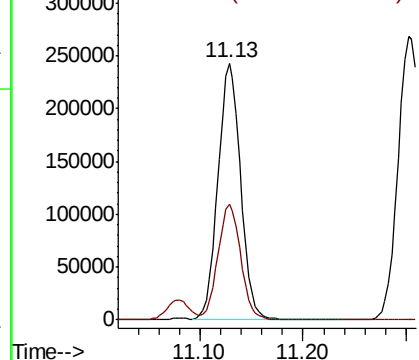


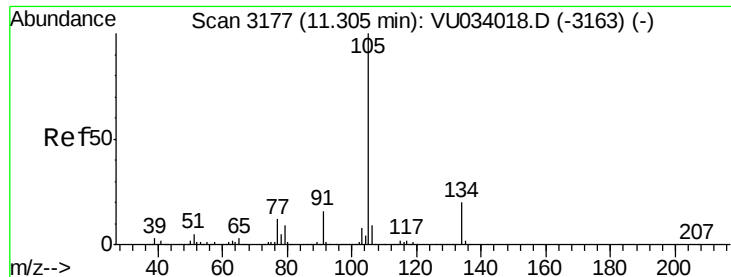
#84
1,2,4-Trimethylbenzene
Concen: 19.910 ug/l
RT: 11.13 min Scan# 3122
Delta R.T. -0.00 min
Lab File: VU034165.D
Acq: 01 Sep 2019 13:46

Tgt Ion:105 Resp: 367894
Ion Ratio Lower Upper
105 100
120 45.2 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: 19.101 ug/l

RT: 11.30 min Scan# 3176

Delta R.T. -0.00 min

Lab File: VU034165.D

Acq: 01 Sep 2019 13:46

Instrument :

MSVOA_U

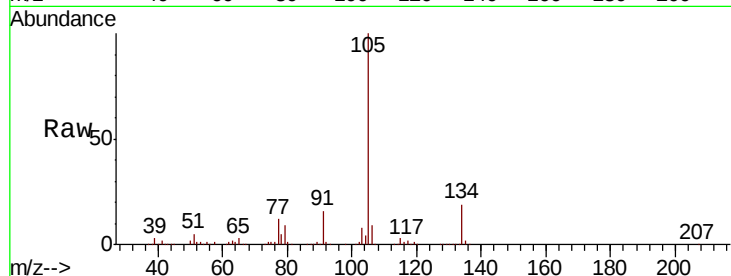
ClientSampleId :

Tot Ion:105 Resp: 419384

Ion Ratio Lower Upper

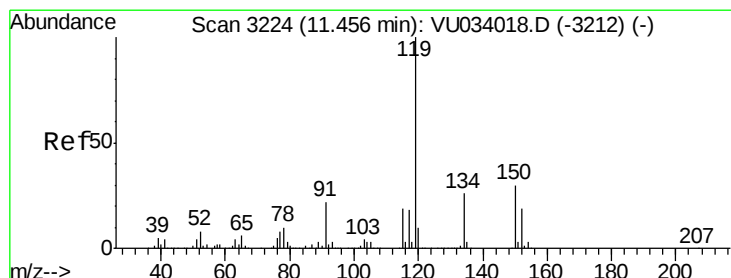
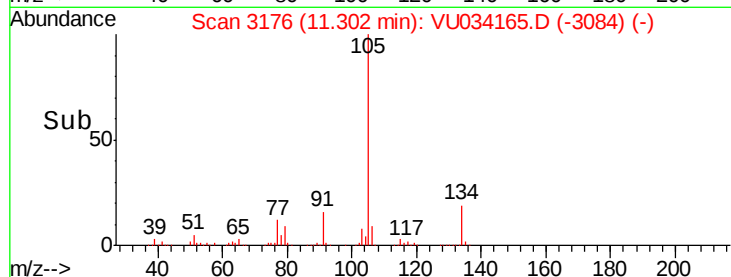
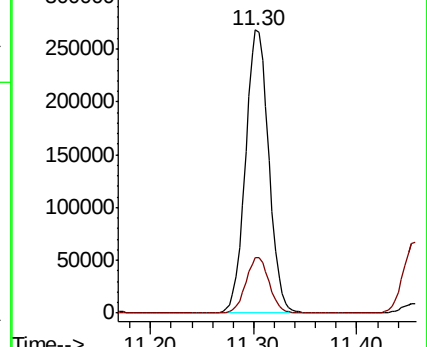
105 100

134 19.7 10.0 30.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 19.531 ug/l

RT: 11.46 min Scan# 3224

Delta R.T. 0.00 min

Lab File: VU034165.D

Acq: 01 Sep 2019 13:46

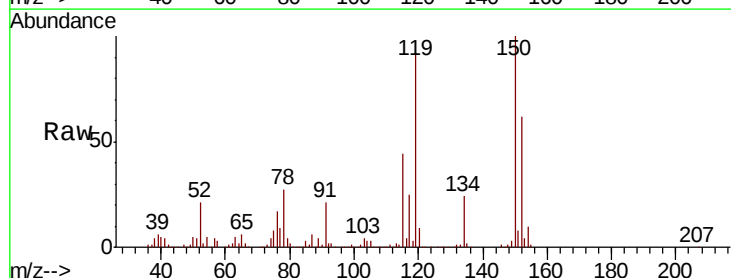
Tgt Ion:119 Resp: 387840

Ion Ratio Lower Upper

119 100

134 26.3 13.1 39.1

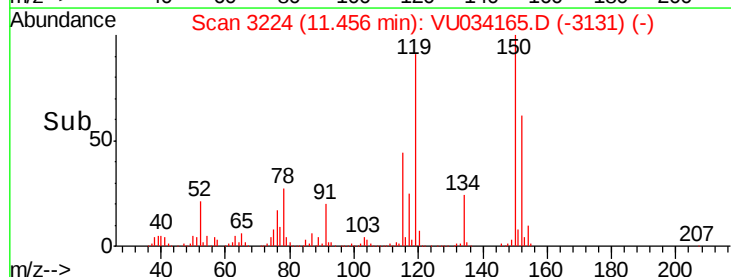
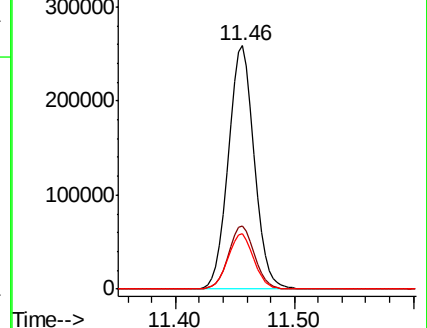
91 22.7 11.2 33.6

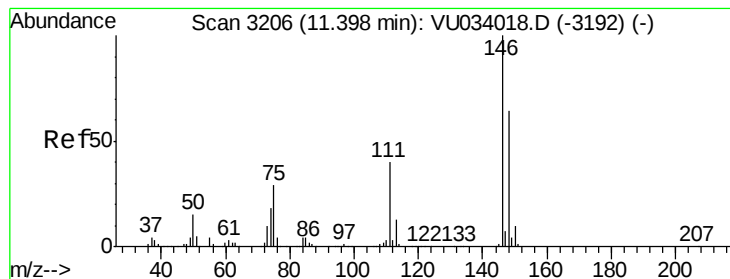


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VU0





#87

1,3-Dichlorobenzene

Concen: 19.782 ug/l

RT: 11.40 min Scan# 3205

Delta R.T. -0.00 min

Lab File: VU034165.D

Acq: 01 Sep 2019 13:46

Instrument :

MSVOA_U

ClientSampleId :

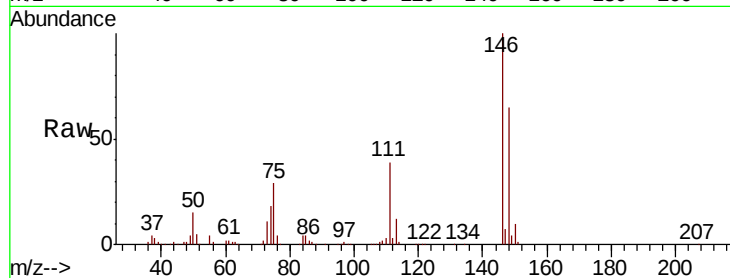
Tot Ion:146 Resp: 206835

Ion Ratio Lower Upper

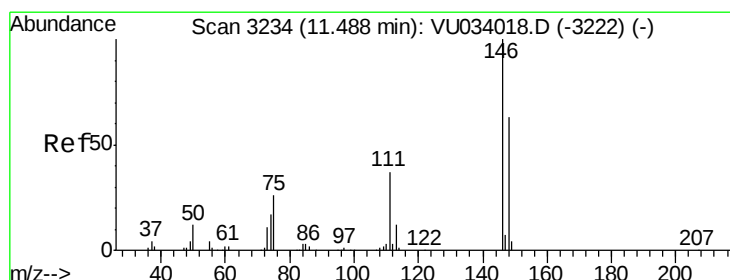
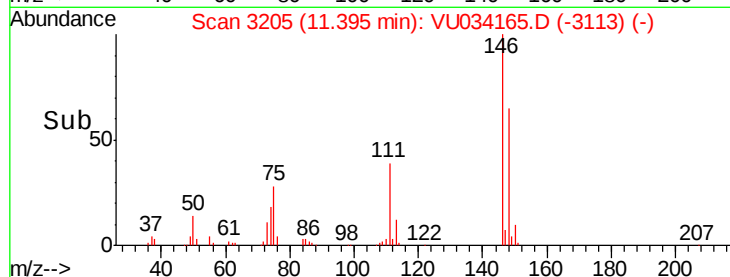
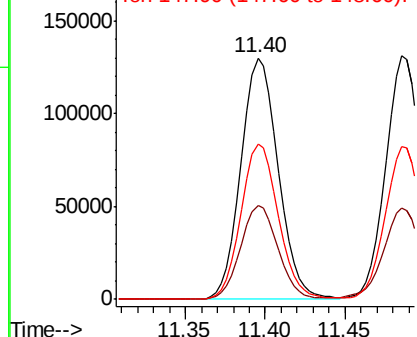
146 100

111 38.9 19.9 59.6

148 64.3 31.9 95.5



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



#88

1,4-Dichlorobenzene

Concen: 19.795 ug/l

RT: 11.49 min Scan# 3233

Delta R.T. -0.00 min

Lab File: VU034165.D

Acq: 01 Sep 2019 13:46

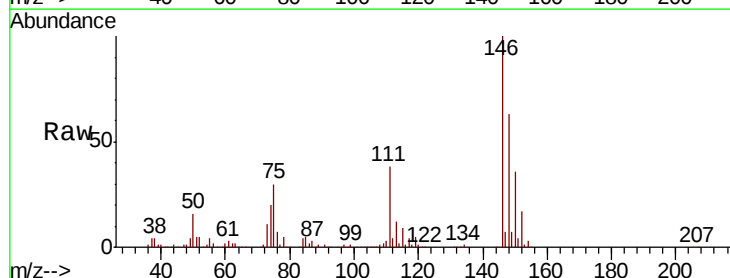
Tgt Ion:146 Resp: 209321

Ion Ratio Lower Upper

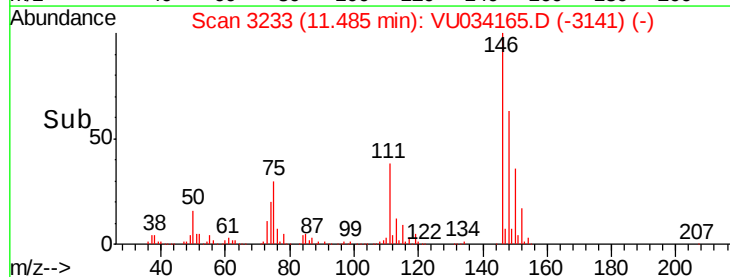
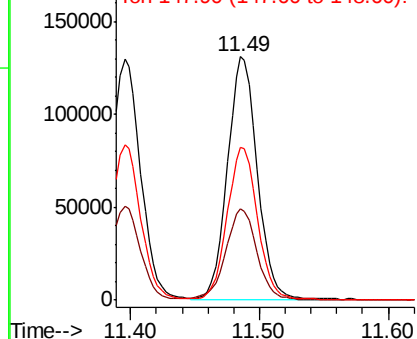
146 100

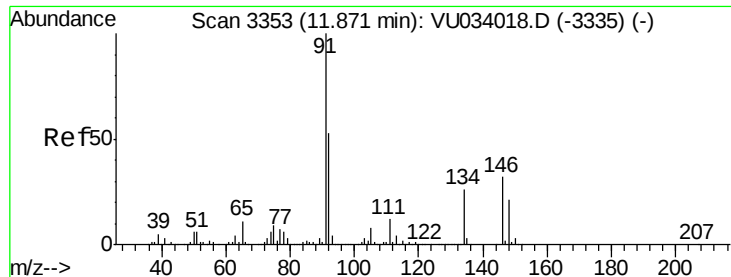
111 39.2 19.2 57.6

148 64.0 31.9 95.9



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





#89

n-Butylbenzene

Concen: 19.222 ug/l

RT: 11.87 min Scan# 3352

Delta R.T. -0.00 min

Lab File: VU034165.D

Acq: 01 Sep 2019 13:46

Instrument :

MSVOA_U

ClientSampled :

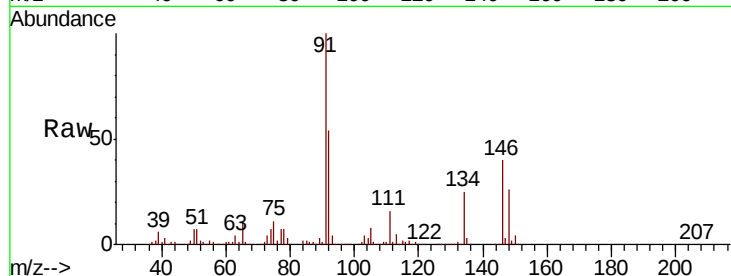
Tot Ion: 91 Resp: 336516

Ion Ratio Lower Upper

91 100

92 52.6 26.3 78.9

134 25.4 12.9 38.7

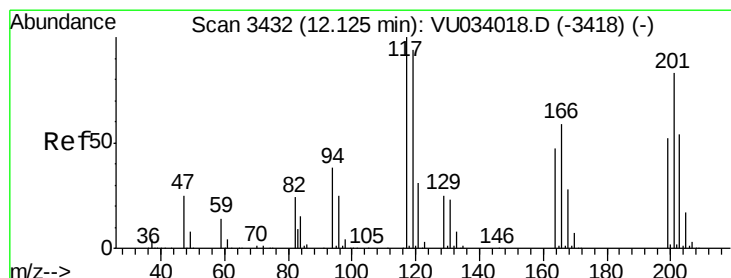
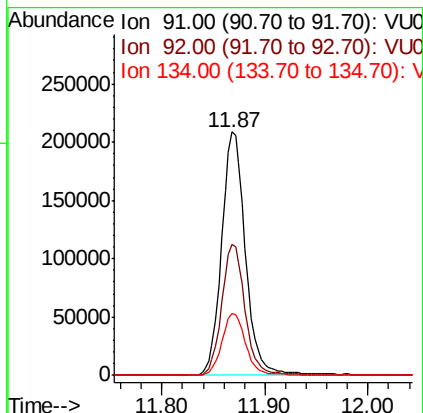
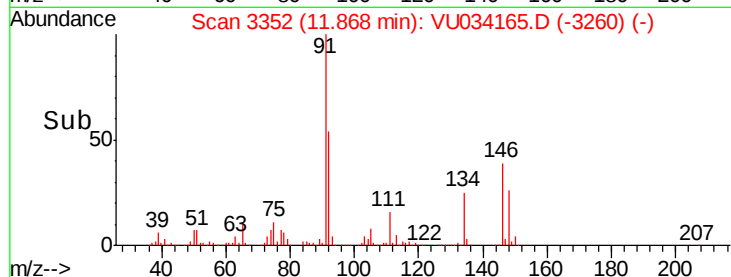


Abundance Ion 91.00 (90.70 to 91.70): VU034018.D (-3335) (-)

Ion 92.00 (91.70 to 92.70): VU034018.D (-3335) (-)

Ion 134.00 (133.70 to 134.70): VU034018.D (-3335) (-)

Time-->



#90

Hexachloroethane

Concen: 16.241 ug/l

RT: 12.12 min Scan# 3431

Delta R.T. -0.00 min

Lab File: VU034165.D

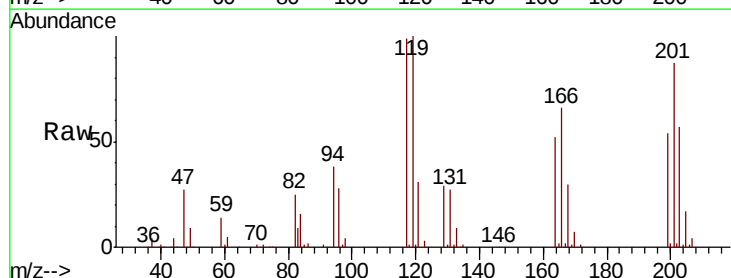
Acq: 01 Sep 2019 13:46

Tgt Ion: 117 Resp: 55760

Ion Ratio Lower Upper

117 100

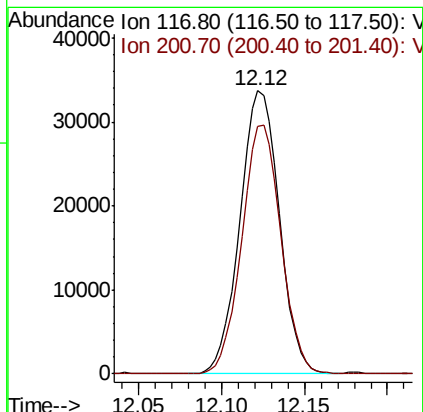
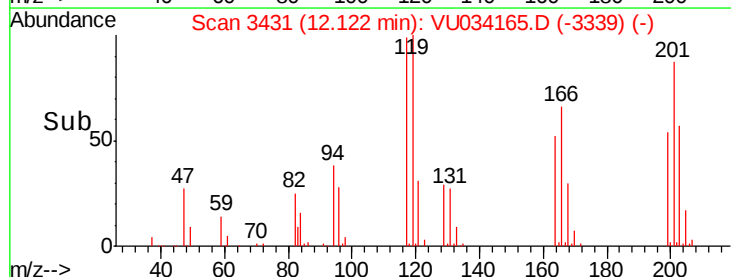
201 87.0 42.5 127.6

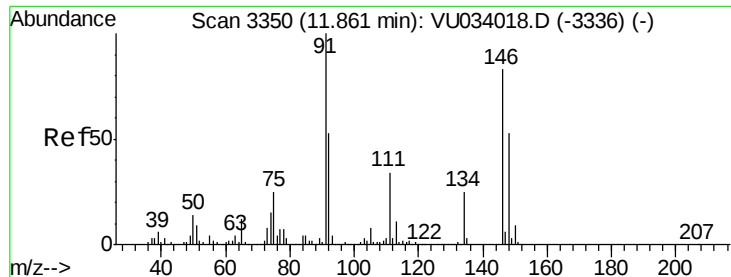


Abundance Ion 116.80 (116.50 to 117.50): VU034018.D (-3418) (-)

Ion 200.70 (200.40 to 201.40): VU034018.D (-3418) (-)

Time-->





#91

1,2-Dichlorobenzene

Concen: 19.991 ug/l

RT: 11.86 min Scan# 3349

Delta R.T. -0.00 min

Lab File: VU034165.D

Acq: 01 Sep 2019 13:46

Instrument :

MSVOA_U

ClientSampleId :

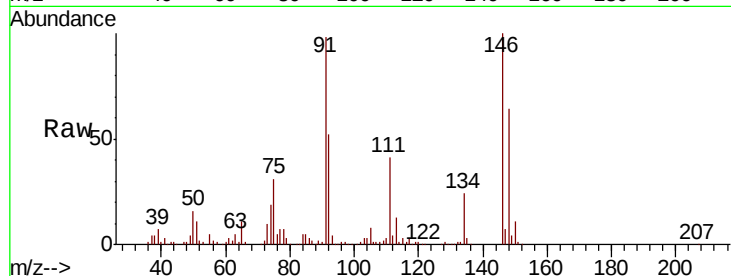
Tot Ion:146 Resp: 200224

Ion Ratio Lower Upper

146 100

111 41.8 20.4 61.2

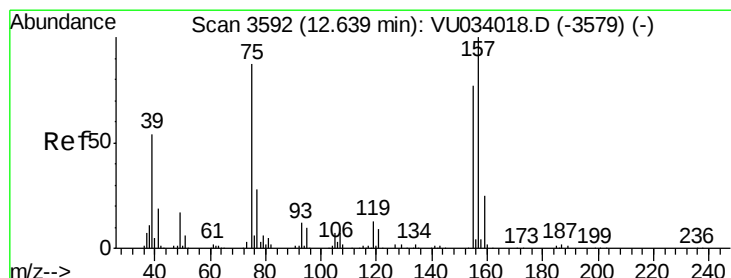
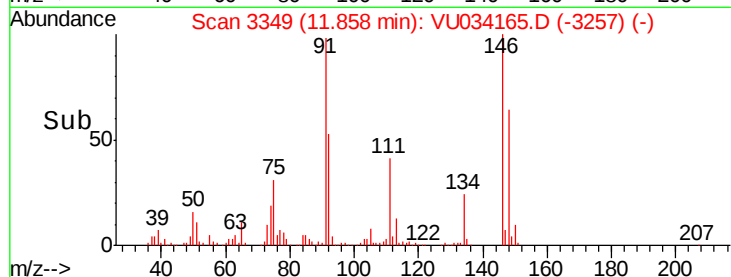
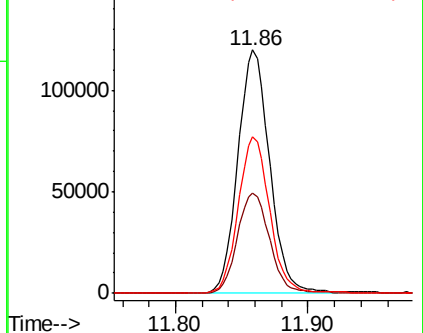
148 63.8 32.3 96.8



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 19.016 ug/l

RT: 12.64 min Scan# 3591

Delta R.T. -0.00 min

Lab File: VU034165.D

Acq: 01 Sep 2019 13:46

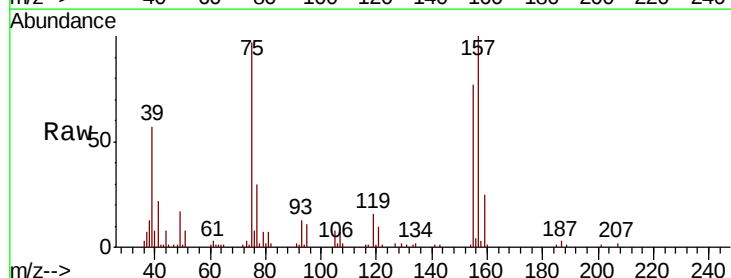
Tgt Ion: 75 Resp: 31835

Ion Ratio Lower Upper

75 100

155 82.1 43.5 130.7

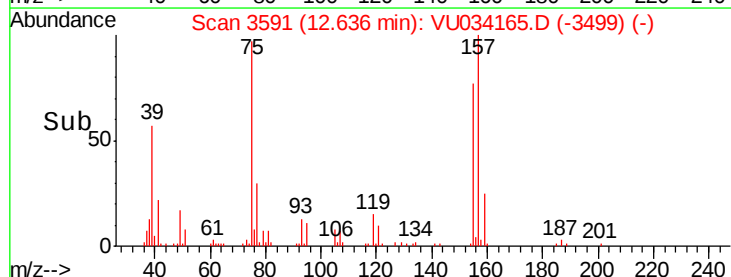
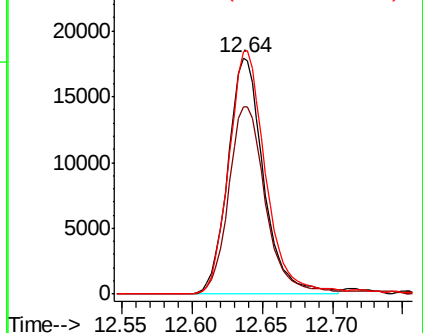
157 106.0 56.9 170.6

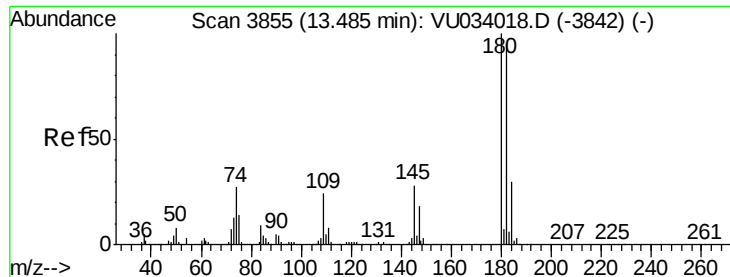


Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

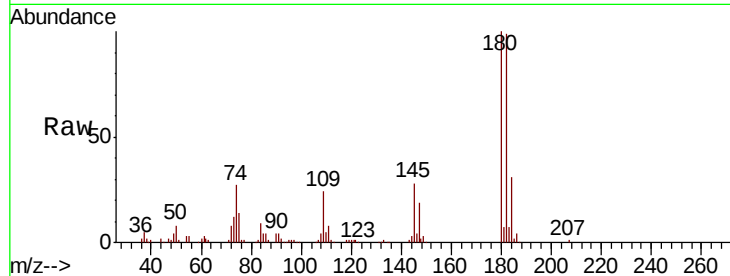




#93
 1,2,4-Trichlorobenzene
 Concen: 18.301 ug/l
 RT: 13.49 min Scan# 3855
 Delta R.T. 0.00 min
 Lab File: VU034165.D
 Acq: 01 Sep 2019 13:46

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	97.0	47.4	142.2
145	28.3	14.1	42.3

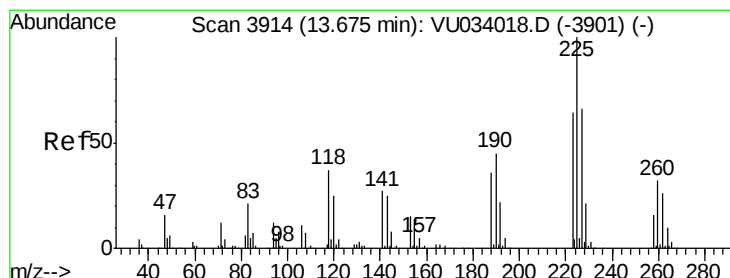
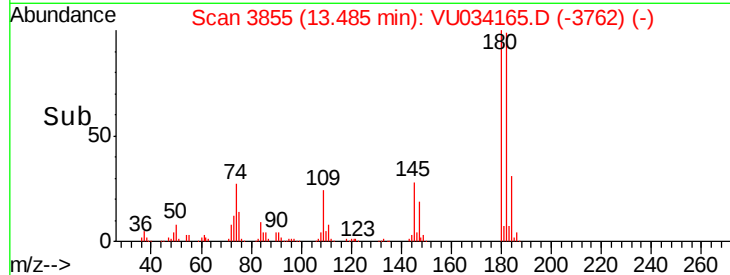
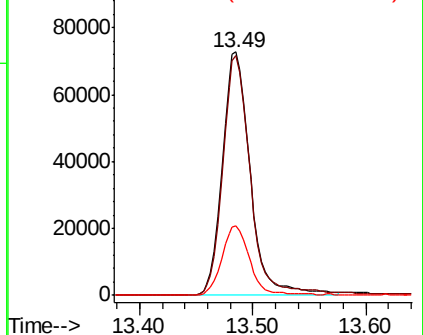


Abundance

Ion 179.80 (179.50 to 180.50): V

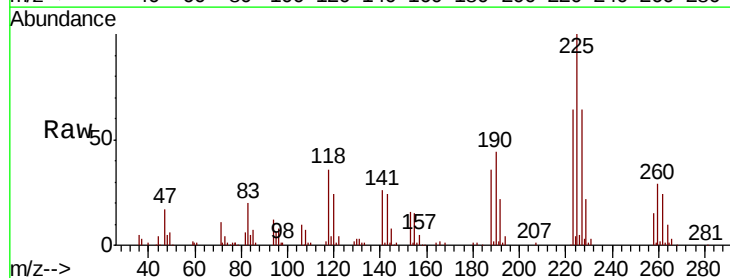
Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#94
 Hexachlorobutadiene
 Concen: 16.056 ug/l
 RT: 13.67 min Scan# 3913
 Delta R.T. -0.00 min
 Lab File: VU034165.D
 Acq: 01 Sep 2019 13:46

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.3	31.8	95.3
227	65.2	32.6	97.8

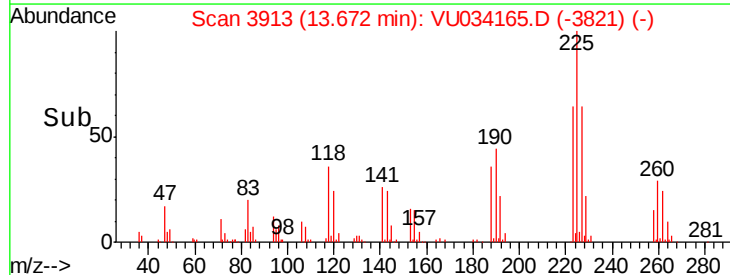
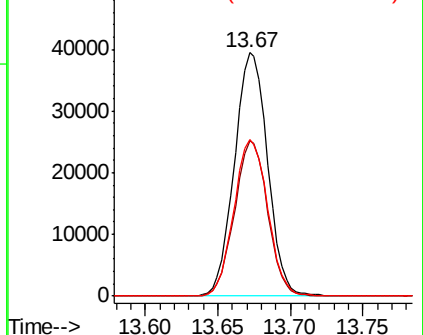


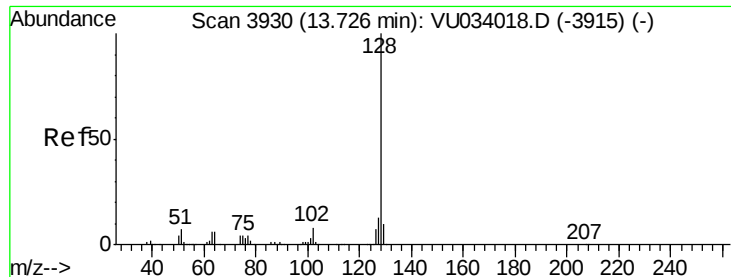
Abundance

Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V

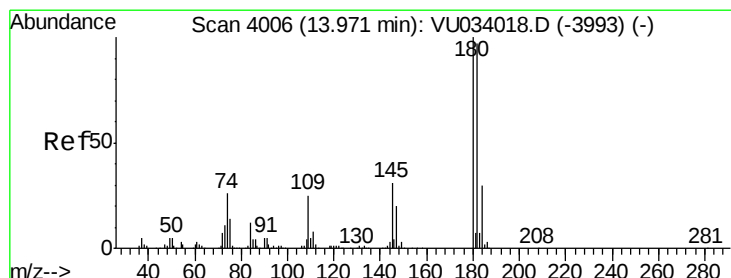
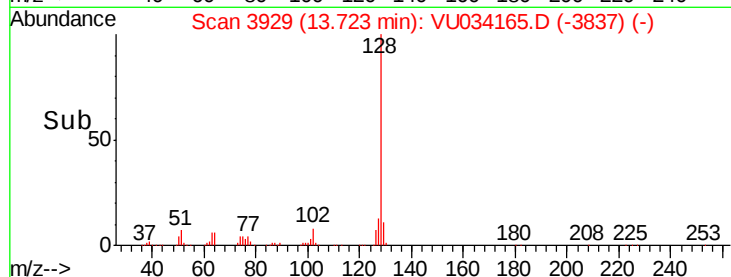
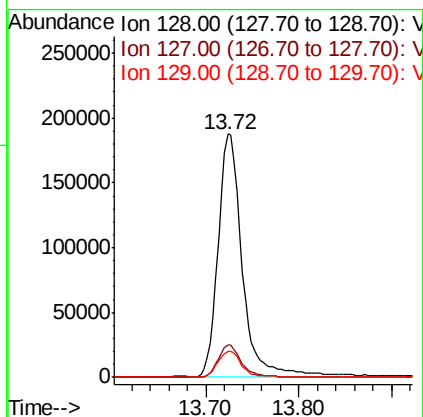
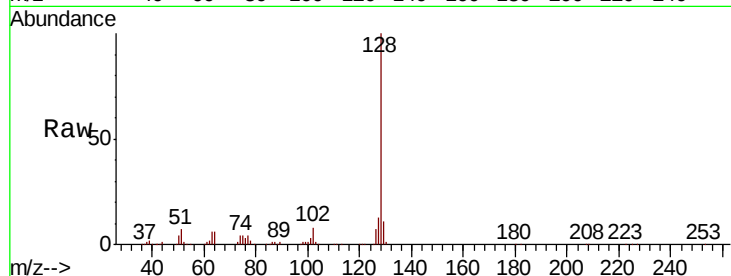




#95
Naphthalene
Concen: 17.957 ug/l
RT: 13.72 min Scan# 3929
Delta R.T. -0.00 min
Lab File: VU034165.D
Acq: 01 Sep 2019 13:46

Instrument :
MSVOA_U
ClientSampled :

Tot Ion:128 Resp: 342093
Ion Ratio Lower Upper
128 100
127 12.9 10.2 15.4
129 10.6 8.4 12.6



#96
1,2,3-Trichlorobenzene
Concen: 19.968 ug/l
RT: 13.97 min Scan# 4005
Delta R.T. -0.00 min
Lab File: VU034165.D
Acq: 01 Sep 2019 13:46

Tgt Ion:180 Resp: 128117
Ion Ratio Lower Upper
180 100
182 94.0 48.2 144.6
145 28.9 15.5 46.5

