

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU083019\
 Data File : VU034052.D
 Acq On : 29 Aug 2019 11:19
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Aug 29 13:46:42 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	427430	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.86	114	641038	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.07	117	619767	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.47	152	350526	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	254431	46.46	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	92.92%	
35) Dibromofluoromethane	4.86	113	213626	48.05	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	96.10%	
50) Toluene-d8	7.55	98	832583	50.01	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	100.02%	
62) 4-Bromofluorobenzene	10.29	95	311844	48.15	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	96.30%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	222321	51.718	ug/l	99
3) Chloromethane	1.32	50	263862	45.785	ug/l	100
4) Vinyl Chloride	1.40	62	274242	47.933	ug/l	99
5) Bromomethane	1.61	94	121917	43.516	ug/l	97
6) Chloroethane	1.68	64	164370	46.992	ug/l	99
7) Trichlorofluoromethane	1.87	101	324040	48.880	ug/l	99
8) Diethyl Ether	2.09	74	137375	48.440	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	2.27	101	206794	49.240	ug/l	98
10) Methyl Iodide	2.40	142	161656	27.135	ug/l	99
11) Tert butyl alcohol	2.81	59	265804	210.457	ug/l	99
12) 1,1-Dichloroethene	2.27	96	204277	47.739	ug/l	99
13) Acrolein	2.18	56	99051	186.430	ug/l	100
14) Allyl chloride	2.58	41	335673	41.723	ug/l	91
15) Acrylonitrile	2.92	53	701915	242.193	ug/l	100
16) Acetone	2.31	43	722524	258.550	ug/l	99
17) Carbon Disulfide	2.46	76	625849	46.213	ug/l	100
18) Methyl Acetate	2.60	43	320918	44.439	ug/l	99
19) Methyl tert-butyl Ether	2.98	73	681025	48.575	ug/l	100
20) Methylene Chloride	2.68	84	248484	46.969	ug/l	97
21) trans-1,2-Dichloroethene	2.96	96	223851	48.203	ug/l	98
22) Diisopropyl ether	3.55	45	729454	49.481	ug/l	99
23) Vinyl Acetate	3.50	43	3141928	248.098	ug/l	100
24) 1,1-Dichloroethane	3.42	63	419786	48.231	ug/l	100
25) 2-Butanone	4.23	43	976152	251.073	ug/l	100
26) 2,2-Dichloropropane	4.20	77	339605	47.952	ug/l	100
27) cis-1,2-Dichloroethene	4.20	96	246955	47.378	ug/l	99
28) Bromochloromethane	4.52	49	202988	47.337	ug/l	99
29) Tetrahydrofuran	4.61	42	593311	247.452	ug/l	100
30) Chloroform	4.65	83	407196	46.891	ug/l	100
31) Cyclohexane	4.97	56	375014	45.854	ug/l	99
32) 1,1,1-Trichloroethane	4.89	97	339926	47.795	ug/l	99
36) 1,1-Dichloropropene	5.11	75	303612	50.073	ug/l	99
37) Ethyl Acetate	4.35	43	338792	49.896	ug/l	99
38) Carbon Tetrachloride	5.11	117	298099	50.933	ug/l	98

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU083019\
 Data File : VU034052.D
 Acq On : 29 Aug 2019 11:19
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Aug 29 13:46:42 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)
39) Methylcyclohexane	6.40	83	369280	51.673	ug/l	98
40) Benzene	5.37	78	929519	50.669	ug/l	100
41) Methacrylonitrile	4.52	41	183079	52.575	ug/l	100
42) 1,2-Dichloroethane	5.38	62	316029	49.887	ug/l	99
43) Isopropyl Acetate	5.53	43	510689	49.438	ug/l	99
44) Trichloroethene	6.16	130	244054	50.661	ug/l	99
45) 1,2-Dichloropropane	6.41	63	257621	51.015	ug/l	98
46) Dibromomethane	6.54	93	165515	50.873	ug/l	98
47) Bromodichloromethane	6.74	83	319283	50.159	ug/l	100
48) Methyl methacrylate	6.60	41	252174	50.590	ug/l	99
49) 1,4-Dioxane	6.59	88	118797	951.181	ug/l	100
51) 4-Methyl-2-Pentanone	7.44	43	1752058	245.598	ug/l	100
52) Toluene	7.62	92	582509	51.545	ug/l	100
53) t-1,3-Dichloropropene	7.86	75	355443	50.325	ug/l	100
54) cis-1,3-Dichloropropene	7.25	75	396582	51.395	ug/l	99
55) 1,1,2-Trichloroethane	8.05	97	233929	48.937	ug/l	99
56) Ethyl methacrylate	8.00	69	350164	44.276	ug/l	100
57) 1,3-Dichloropropane	8.22	76	405355	49.942	ug/l	98
58) 2-Chloroethyl Vinyl ether	7.11	63	709431	268.262	ug/l	99
59) 2-Hexanone	8.34	43	1378333	255.938	ug/l	99
60) Dibromochloromethane	8.46	129	254506	49.599	ug/l	98
61) 1,2-Dibromoethane	8.57	107	247601	49.171	ug/l	99
64) Tetrachloroethene	8.21	164	212856	51.141	ug/l	98
65) Chlorobenzene	9.10	112	635057	49.792	ug/l	98
66) 1,1,1,2-Tetrachloroethane	9.19	131	224623	48.569	ug/l	99
67) Ethyl Benzene	9.23	91	1101017	50.926	ug/l	100
68) m/p-Xylenes	9.36	106	867920	105.576	ug/l	100
69) o-Xylene	9.76	106	404733	51.317	ug/l	99
70) Styrene	9.77	104	721659	53.365	ug/l	100
71) Bromoform	9.94	173	193348	48.118	ug/l #	98
73) Isopropylbenzene	10.15	105	1108825	47.095	ug/l	100
74) N-amyl acetate	10.00	43	464790	46.936	ug/l	99
75) 1,1,2,2-Tetrachloroethane	10.44	83	396213	43.967	ug/l	99
76) 1,2,3-Trichloropropane	10.48	75	440891	55.807	ug/l	85
77) Bromobenzene	10.43	156	288580	45.564	ug/l	100
78) n-propylbenzene	10.57	91	1327338	48.408	ug/l	99
79) 2-Chlorotoluene	10.64	91	779203	47.377	ug/l	100
80) 1,3,5-Trimethylbenzene	10.76	105	989089	49.565	ug/l	100
81) trans-1,4-Dichloro-2-buten	10.48	75	442440	188.577	ug/l #	100
82) 4-Chlorotoluene	10.76	91	914755	48.362	ug/l	100
83) tert-Butylbenzene	11.08	119	912252	46.437	ug/l	99
84) 1,2,4-Trimethylbenzene	11.13	105	993970	50.161	ug/l	100
85) sec-Butylbenzene	11.30	105	1145704	48.660	ug/l	99
86) p-Isopropyltoluene	11.46	119	1072757	50.376	ug/l	100
87) 1,3-Dichlorobenzene	11.40	146	537103	47.901	ug/l	99
88) 1,4-Dichlorobenzene	11.49	146	540928	47.702	ug/l	100
89) n-Butylbenzene	11.87	91	987581	52.602	ug/l	100
90) Hexachloroethane	12.12	117	165081	44.838	ug/l	100
91) 1,2-Dichlorobenzene	11.86	146	516961	48.130	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.64	75	83877	46.720	ug/l	98

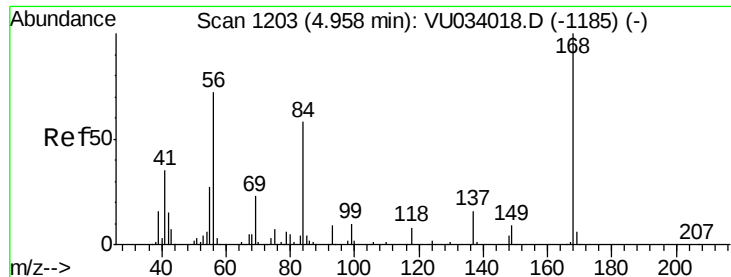
Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU083019\
Data File : VU034052.D
Acq On : 29 Aug 2019 11:19
Operator : JC/SP
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :

Quant Time: Aug 29 13:46:42 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)
93) 1,2,4-Trichlorobenzene	13.49	180	375652	49.188	ug/l	99
94) Hexachlorobutadiene	13.68	225	209514	49.863	ug/l	99
95) Naphthalene	13.73	128	1014435	46.495	ug/l	100
96) 1,2,3-Trichlorobenzene	13.97	180	370927	53.910	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.96 min Scan# 1203

Delta R.T. -0.00 min

Lab File: VU034052.D

Acq: 29 Aug 2019 11:19

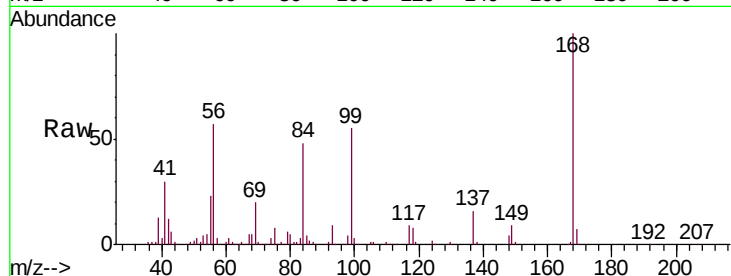
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion:168 Resp: 427430

Ion Ratio Lower Upper

168 100

99 54.5 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

200000

150000

100000

50000

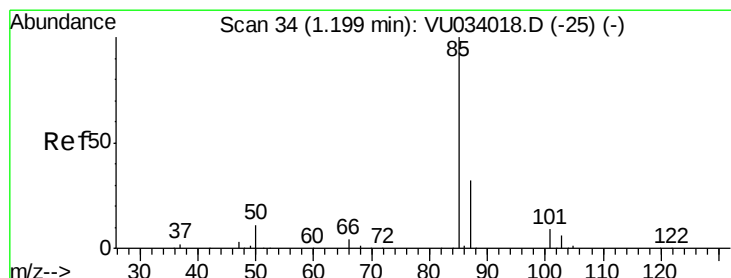
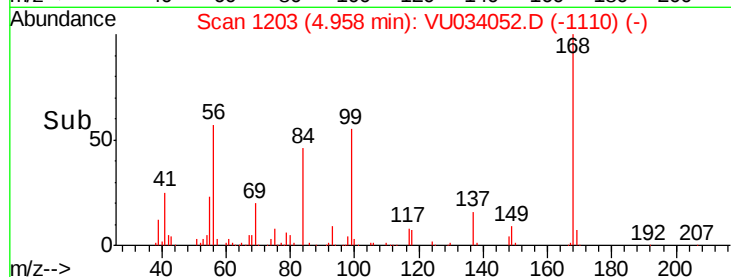
0

4.90

5.00

5.10

Time-->



#2

Dichlorodifluoromethane

Concen: 51.718 ug/l

RT: 1.20 min Scan# 34

Delta R.T. -0.00 min

Lab File: VU034052.D

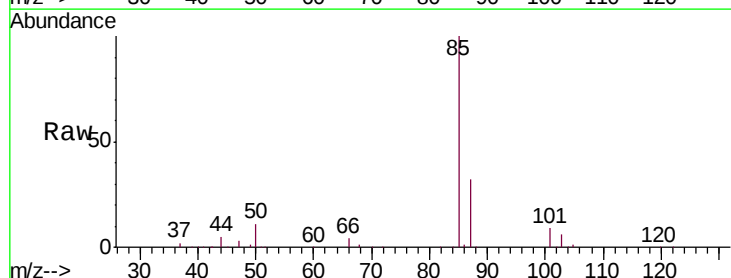
Acq: 29 Aug 2019 11:19

Tgt Ion: 85 Resp: 222321

Ion Ratio Lower Upper

85 100

87 31.8 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

250000

200000

150000

100000

50000

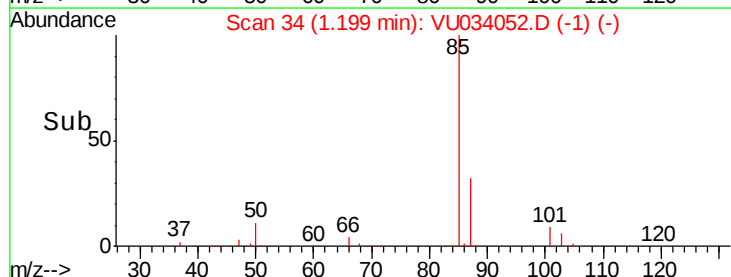
0

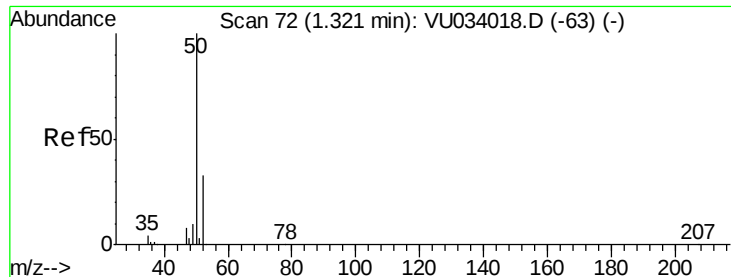
1.15

1.20

1.25

Time-->





#3

Chloromethane

Concen: 45.785 ug/l

RT: 1.32 min Scan# 72

Delta R.T. 0.00 min

Lab File: VU034052.D

Acq: 29 Aug 2019 11:19

Instrument :

MSVOA_U

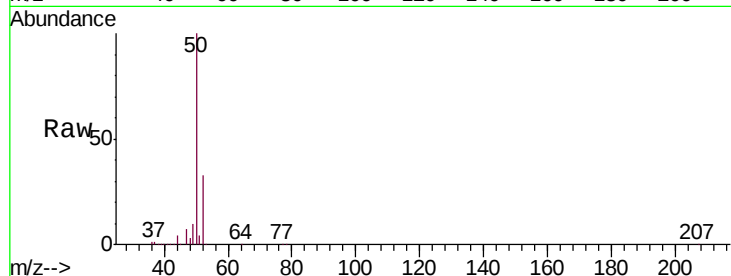
ClientSampleId :

Tot Ion: 50 Resp: 263862

Ion Ratio Lower Upper

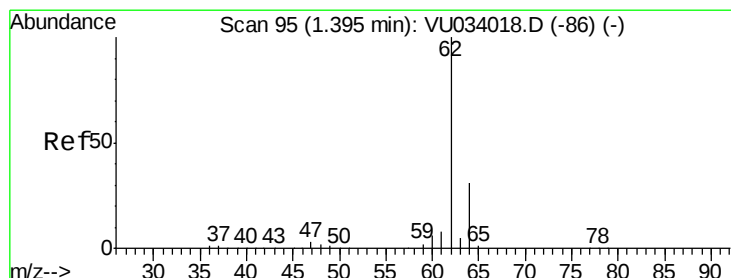
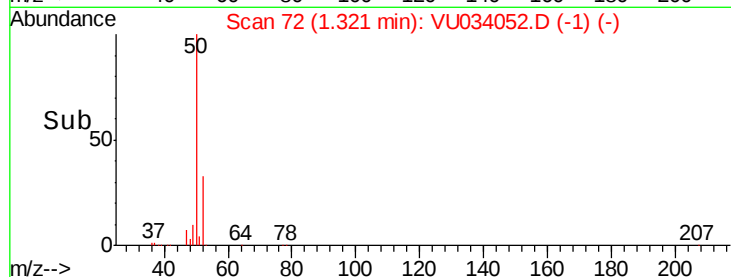
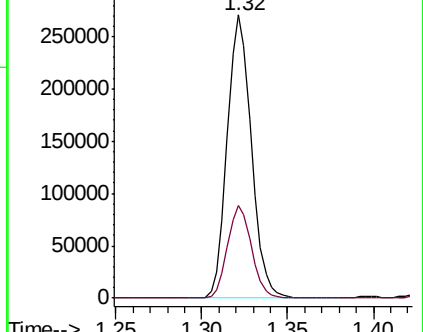
50 100

52 32.8 26.2 39.4



Abundance Ion 49.90 (49.60 to 50.60): VU034018.D (-63) (-)

Ion 51.90 (51.60 to 52.60): VU034052.D (-1) (-)



#4

Vinyl Chloride

Concen: 47.933 ug/l

RT: 1.40 min Scan# 95

Delta R.T. -0.00 min

Lab File: VU034052.D

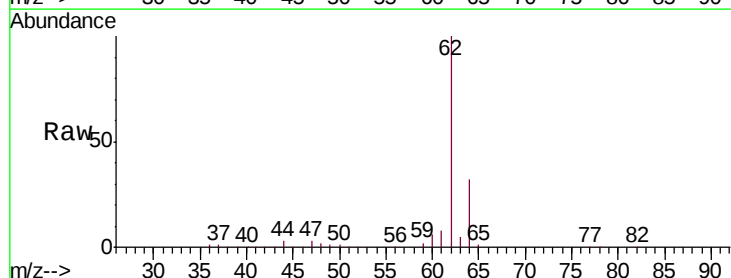
Acq: 29 Aug 2019 11:19

Tgt Ion: 62 Resp: 274242

Ion Ratio Lower Upper

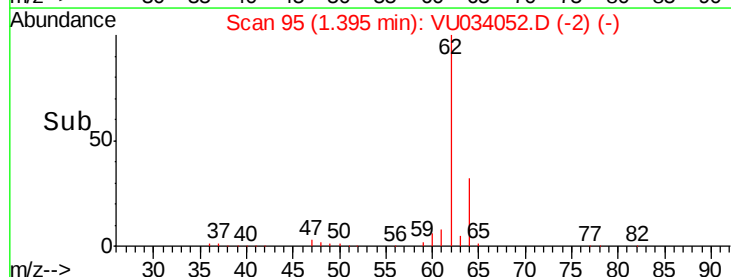
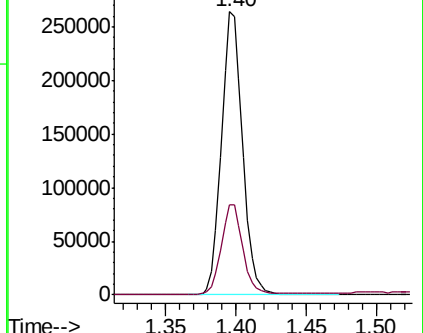
62 100

64 31.7 25.0 37.6



Abundance Ion 61.90 (61.60 to 62.60): VU034018.D (-86) (-)

Ion 63.90 (63.60 to 64.60): VU034052.D (-2) (-)





#5

Bromomethane

Concen: 43.516 ug/l

RT: 1.61 min Scan# 162

Delta R.T. 0.01 min

Lab File: VU034052.D

Acq: 29 Aug 2019 11:19

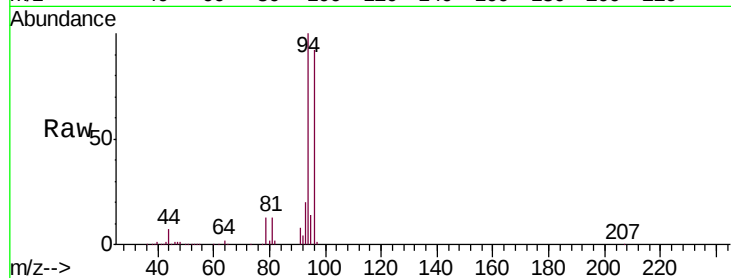
Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 94 Resp: 121917

Ion Ratio Lower Upper

94 100

96 92.3 76.3 114.5



Abundance Ion 93.90 (93.60 to 94.60): VU034018.D (-143) (-)

Ion 95.90 (95.60 to 96.60): VU034052.D (-65) (-)

1.61

100000

80000

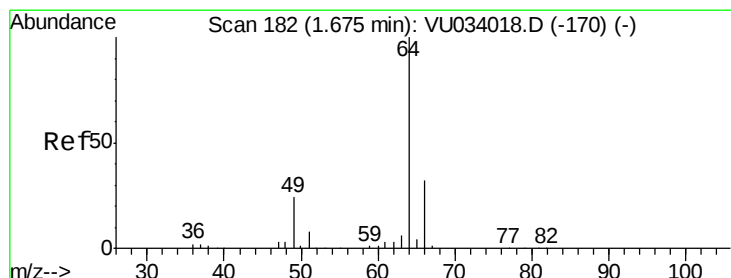
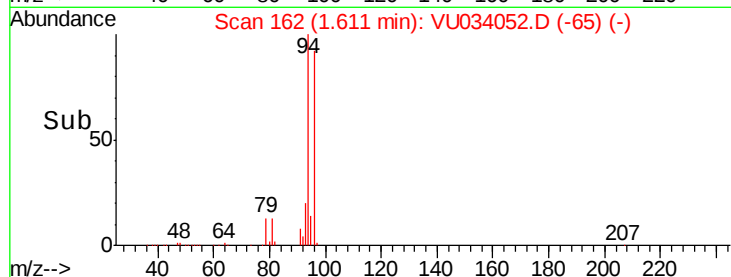
60000

40000

20000

0

Time-->



#6

Chloroethane

Concen: 46.992 ug/l

RT: 1.68 min Scan# 185

Delta R.T. 0.01 min

Lab File: VU034052.D

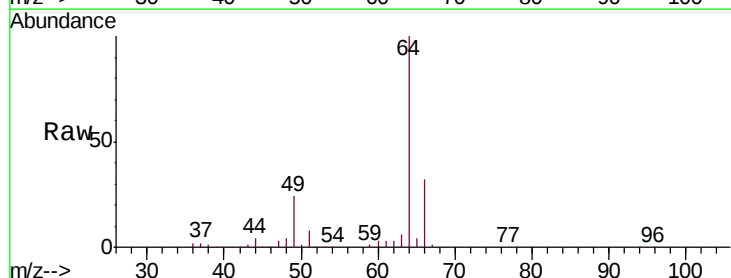
Acq: 29 Aug 2019 11:19

Tgt Ion: 64 Resp: 164370

Ion Ratio Lower Upper

64 100

66 32.7 25.5 38.3



Abundance Ion 63.90 (63.60 to 64.60): VU034018.D (-170) (-)

Ion 65.90 (65.60 to 66.60): VU034052.D (-89) (-)

1.68

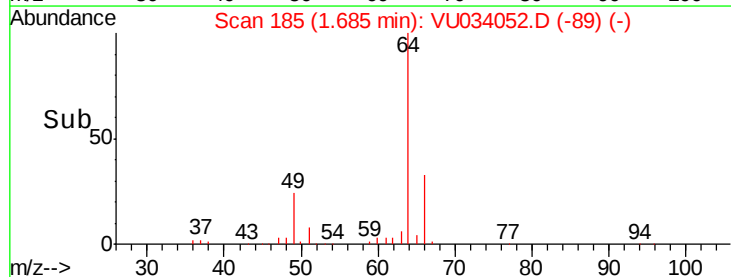
150000

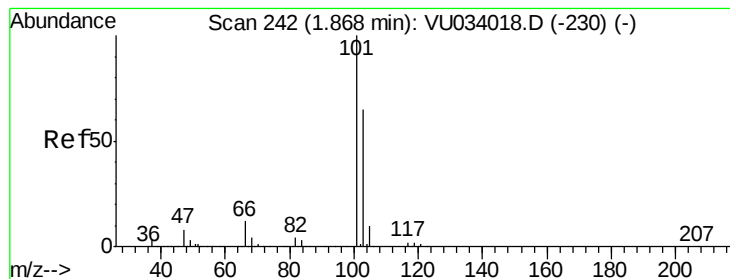
100000

50000

0

Time-->



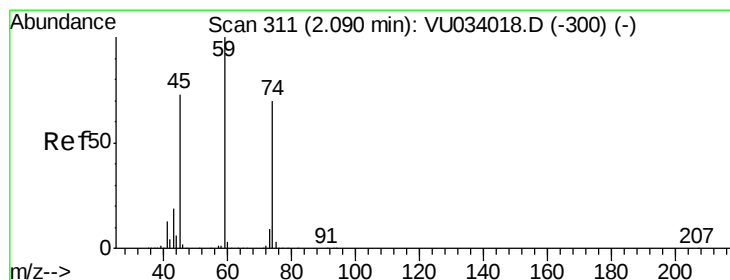
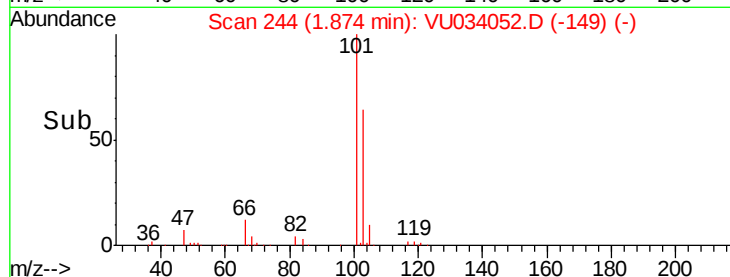
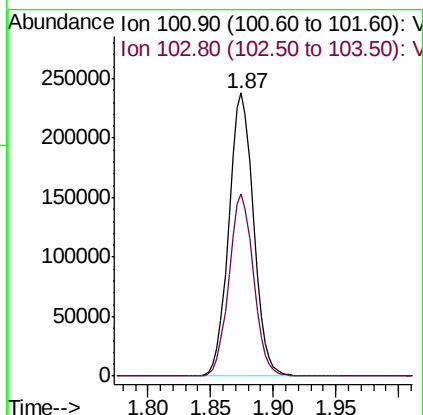
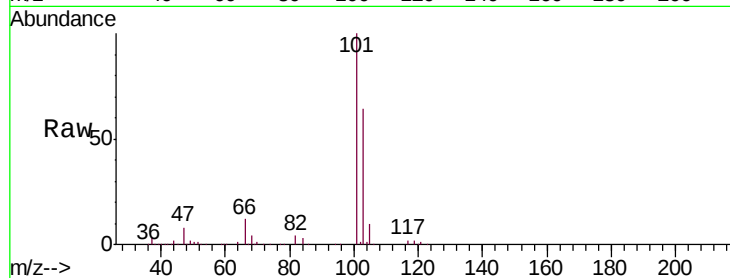


#7

Trichlorofluoromethane
 Concen: 48.880 ug/l
 RT: 1.87 min Scan# 244
 Delta R.T. 0.01 min
 Lab File: VU034052.D
 Acq: 29 Aug 2019 11:19

Instrument :
 MSVOA_U
 ClientSampled :

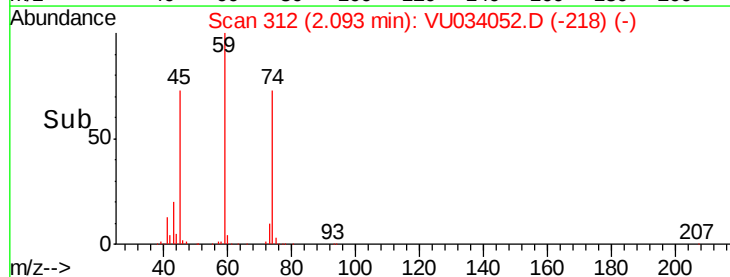
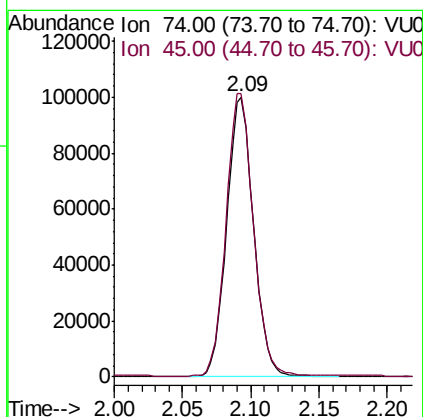
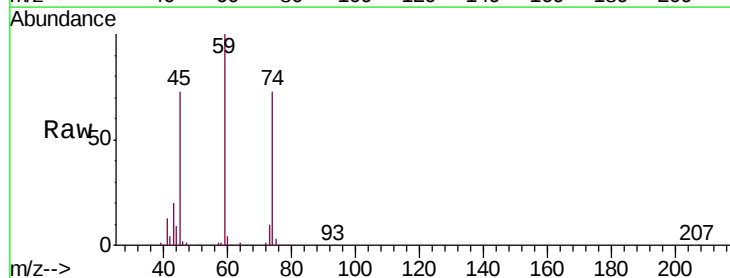
Tot Ion:101 Resp: 324040
 Ion Ratio Lower Upper
 101 100
 103 64.3 52.1 78.1



#8

Diethyl Ether
 Concen: 48.440 ug/l
 RT: 2.09 min Scan# 312
 Delta R.T. 0.00 min
 Lab File: VU034052.D
 Acq: 29 Aug 2019 11:19

Tgt Ion: 74 Resp: 137375
 Ion Ratio Lower Upper
 74 100
 45 103.2 51.8 155.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 49.240 ug/l

RT: 2.27 min Scan# 368

Delta R.T. 0.00 min

Lab File: VU034052.D

Acq: 29 Aug 2019 11:19

Instrument :

MSVOA_U

ClientSampleId :

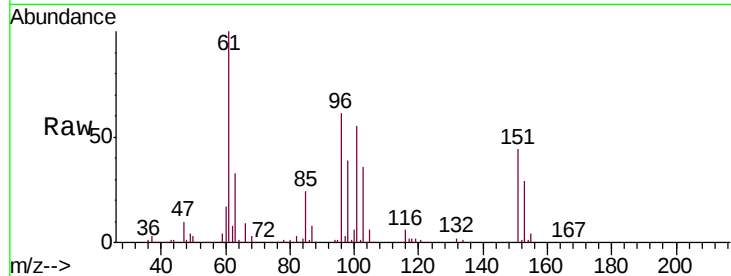
Tot Ion:101 Resp: 206794

Ion Ratio Lower Upper

101 100

85 43.1 34.2 51.2

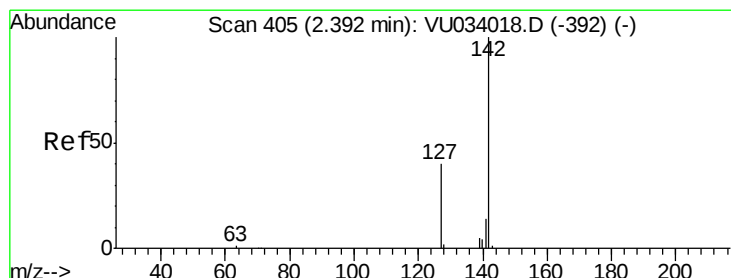
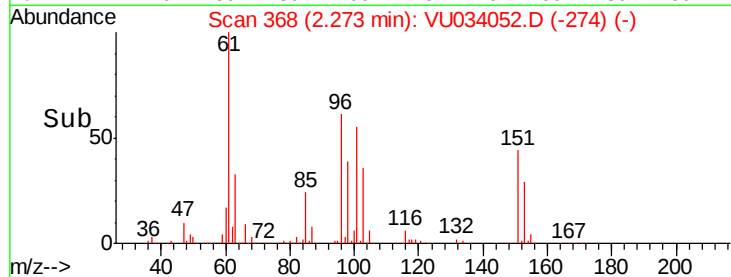
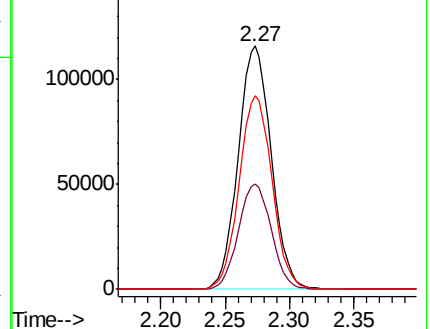
151 79.2 61.4 92.2



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: 27.135 ug/l

RT: 2.40 min Scan# 406

Delta R.T. 0.00 min

Lab File: VU034052.D

Acq: 29 Aug 2019 11:19

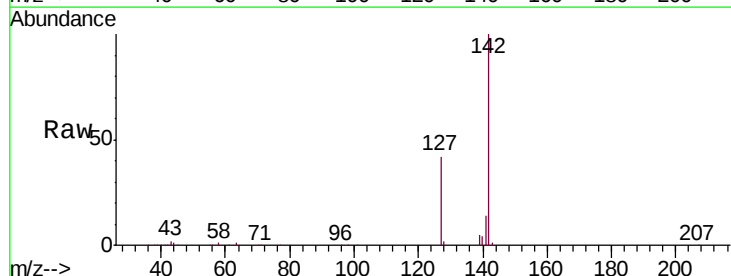
Tgt Ion:142 Resp: 161656

Ion Ratio Lower Upper

142 100

127 41.8 32.6 48.8

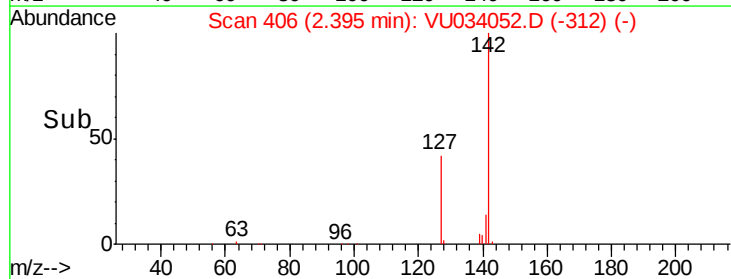
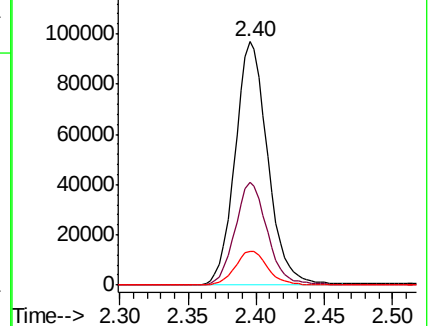
141 13.9 11.3 16.9

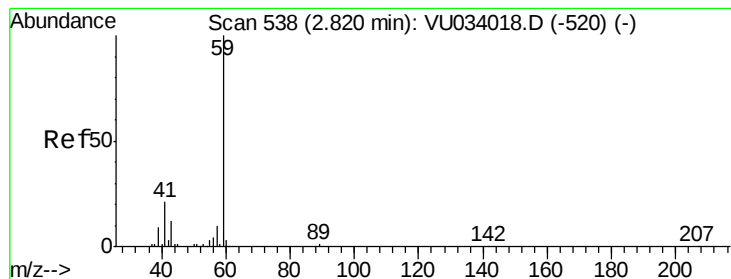


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



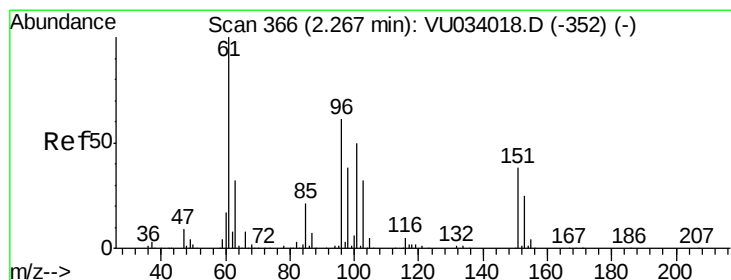
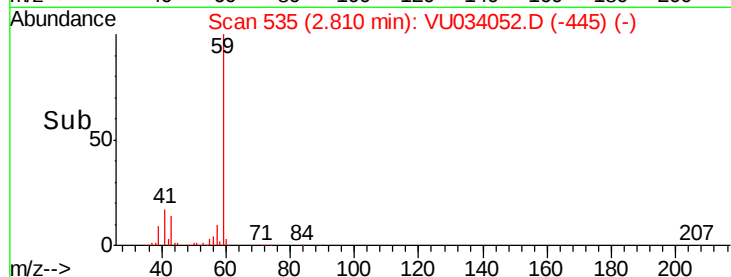
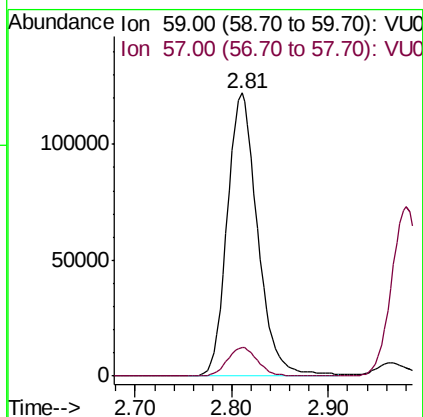
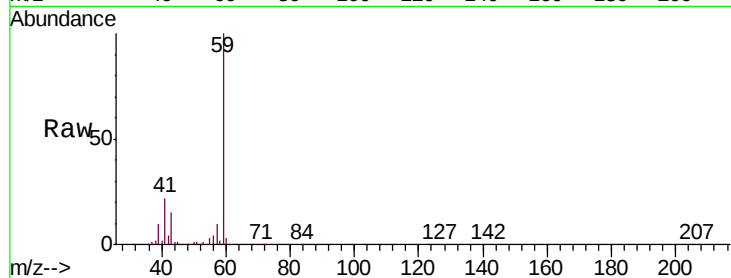


#11

Tert butyl alcohol
Concen: 210.457 ug/l
RT: 2.81 min Scan# 535
Delta R.T. -0.01 min
Lab File: VU034052.D
Acq: 29 Aug 2019 11:19

Instrument :
MSVOA_U
ClientSampled :

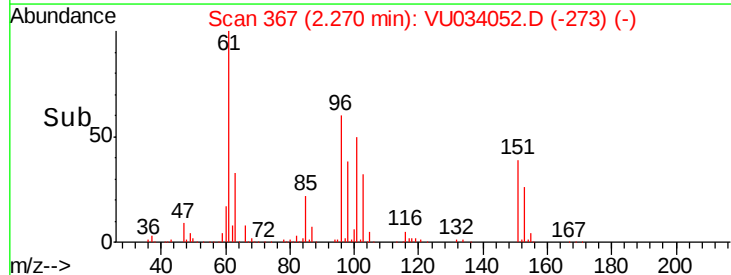
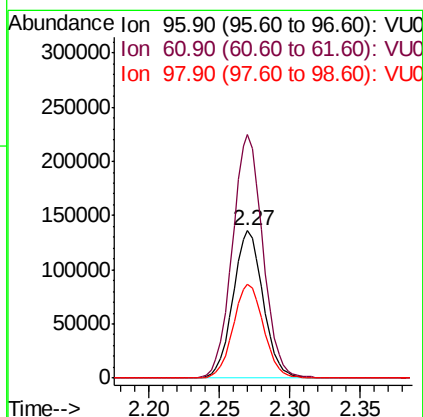
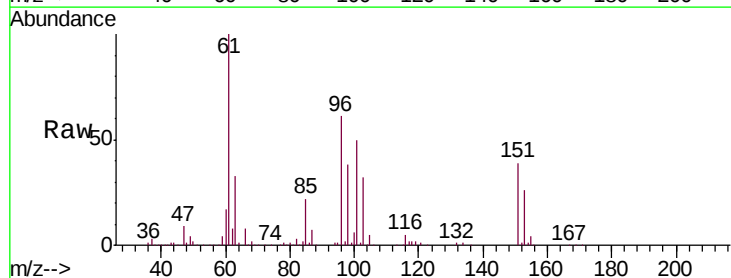
Tot Ion: 59 Resp: 265804
Ion Ratio Lower Upper
59 100
57 10.3 8.0 12.0

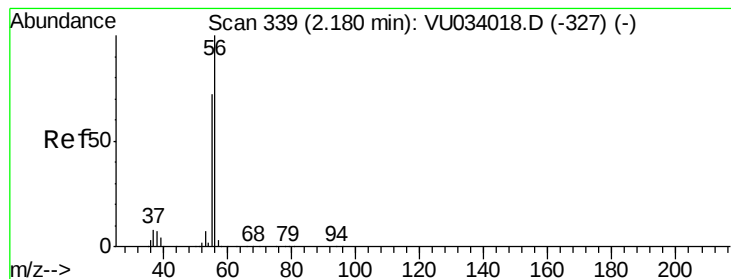


#12

1,1-Dichloroethene
Concen: 47.739 ug/l
RT: 2.27 min Scan# 367
Delta R.T. 0.00 min
Lab File: VU034052.D
Acq: 29 Aug 2019 11:19

Tgt Ion: 96 Resp: 204277
Ion Ratio Lower Upper
96 100
61 165.2 131.3 196.9
98 63.6 50.3 75.5





#13

Acrolein

Concen: 186.430 ug/l

RT: 2.18 min Scan# 340

Delta R.T. 0.00 min

Lab File: VU034052.D

Acq: 29 Aug 2019 11:19

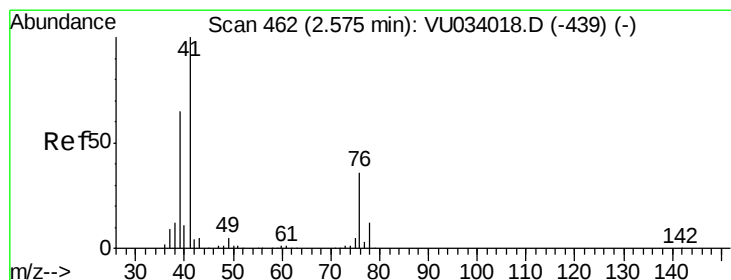
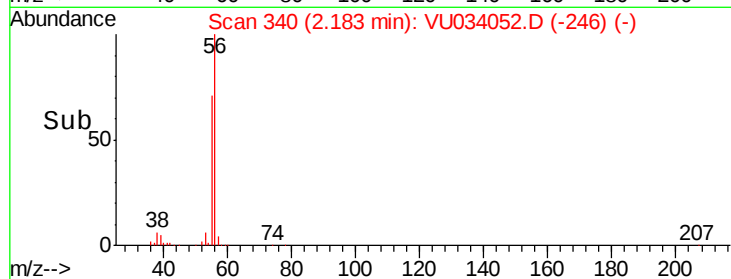
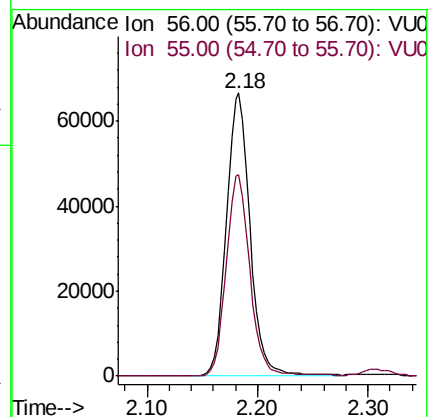
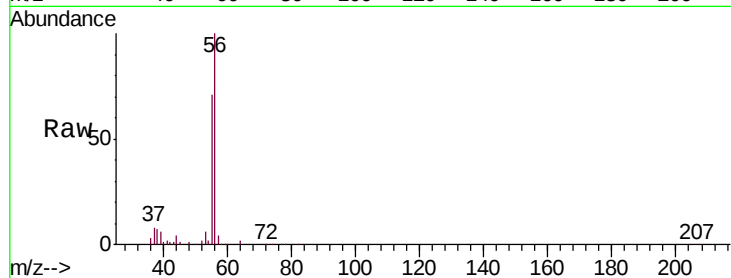
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 56 Resp: 99051

Ion Ratio Lower Upper

56 100

55 71.3 57.1 85.7



#14

Allyl chloride

Concen: 41.723 ug/l

RT: 2.58 min Scan# 462

Delta R.T. -0.00 min

Lab File: VU034052.D

Acq: 29 Aug 2019 11:19

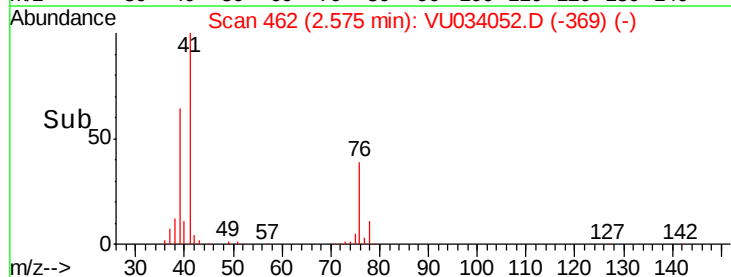
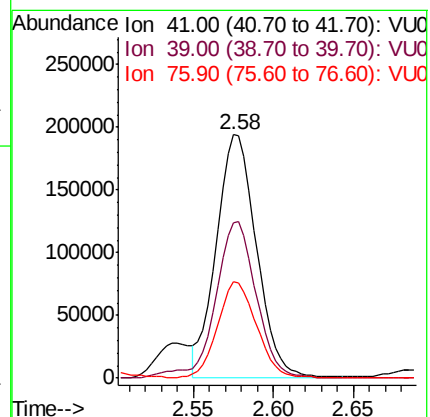
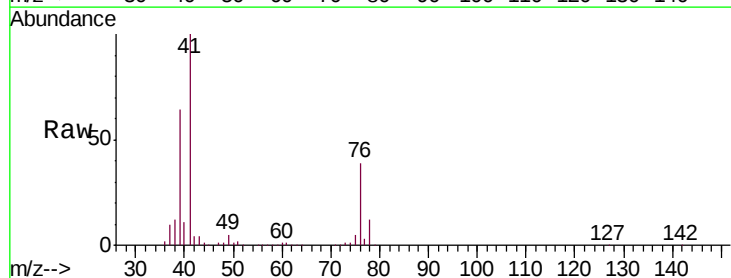
Tgt Ion: 41 Resp: 335673

Ion Ratio Lower Upper

41 100

39 65.1 46.8 70.2

76 38.0 26.6 40.0





#15

Acrylonitrile

Concen: 242.193 ug/l

RT: 2.92 min Scan# 568

Delta R.T. -0.00 min

Lab File: VU034052.D

Acq: 29 Aug 2019 11:19

Instrument :

MSVOA_U

ClientSampleId :

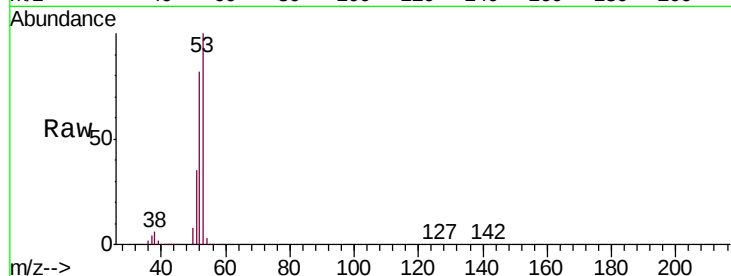
Tot Ion: 53 Resp: 701915

Ion Ratio Lower Upper

53 100

52 82.1 65.7 98.5

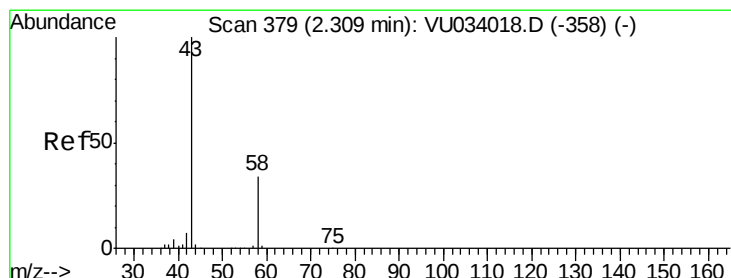
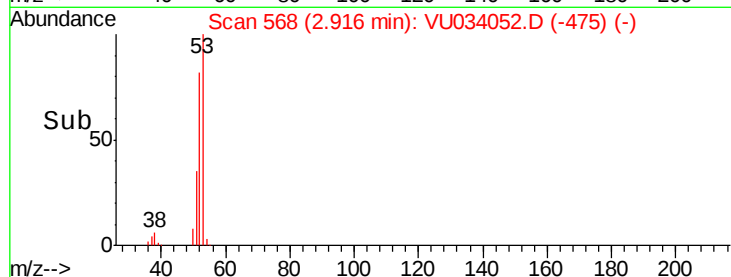
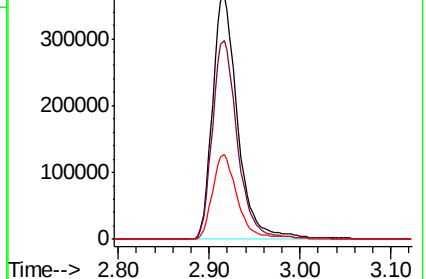
51 35.1 27.9 41.9



Abundance Ion 53.00 (52.70 to 53.70): VU034018.D (-555) (-)

Ion 52.00 (51.70 to 52.70): VU034018.D (-555) (-)

Ion 51.00 (50.70 to 51.70): VU034018.D (-555) (-)



#16

Acetone

Concen: 258.550 ug/l

RT: 2.31 min Scan# 379

Delta R.T. -0.00 min

Lab File: VU034052.D

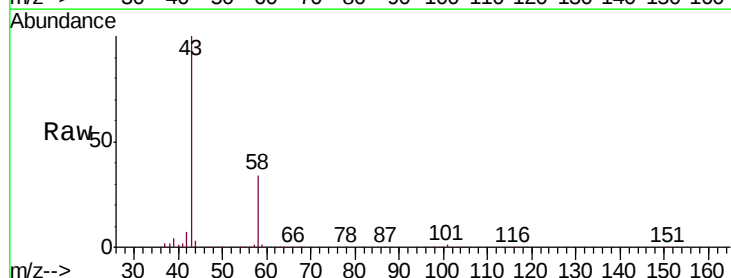
Acq: 29 Aug 2019 11:19

Tgt Ion: 43 Resp: 722524

Ion Ratio Lower Upper

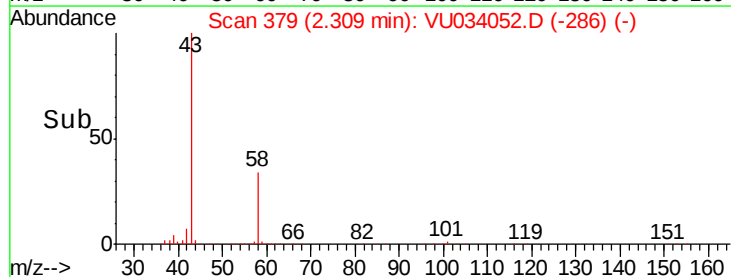
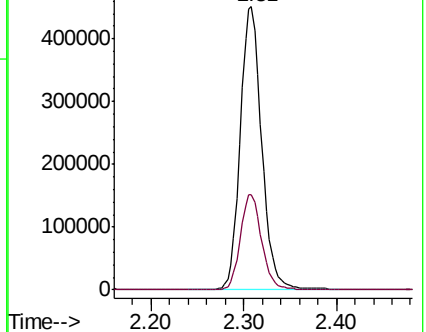
43 100

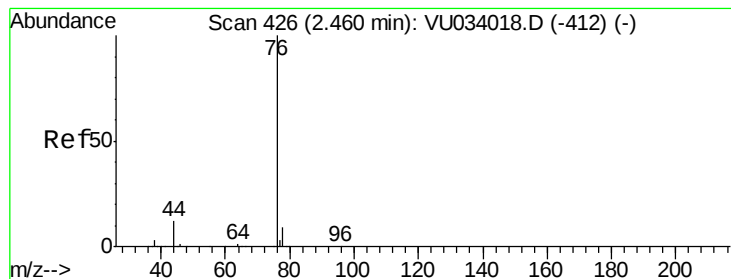
58 33.8 26.8 40.2



Abundance Ion 43.00 (42.70 to 43.70): VU034018.D (-358) (-)

Ion 58.00 (57.70 to 58.70): VU034018.D (-358) (-)





#17

Carbon Disulfide

Concen: 46.213 ug/l

RT: 2.46 min Scan# 427

Delta R.T. 0.00 min

Lab File: VU034052.D

Acq: 29 Aug 2019 11:19

Instrument :

MSVOA_U

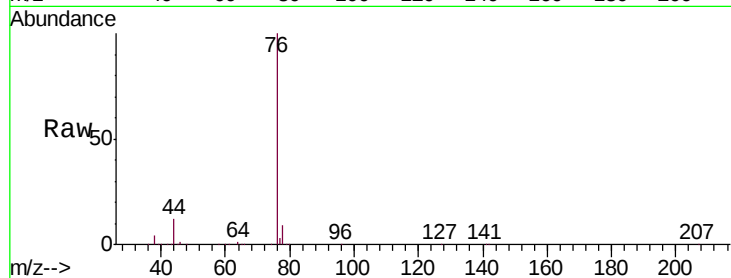
ClientSampled :

Tot Ion: 76 Resp: 625849

Ion Ratio Lower Upper

76 100

78 8.8 7.1 10.7



Abundance Ion 75.90 (75.60 to 76.60): VU034018.D (-412) (-)

Ion 77.90 (77.60 to 78.60): VU034018.D (-412) (-)

2.46

400000

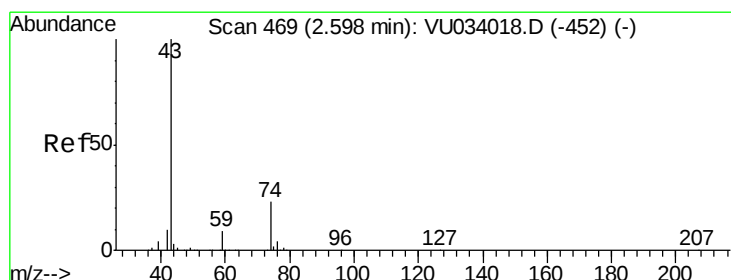
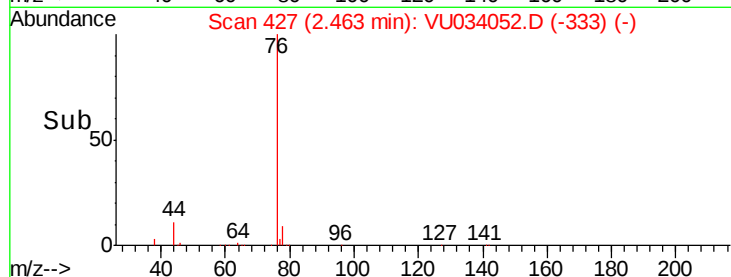
300000

200000

100000

0

Time-->



#18

Methyl Acetate

Concen: 44.439 ug/l

RT: 2.60 min Scan# 470

Delta R.T. 0.00 min

Lab File: VU034052.D

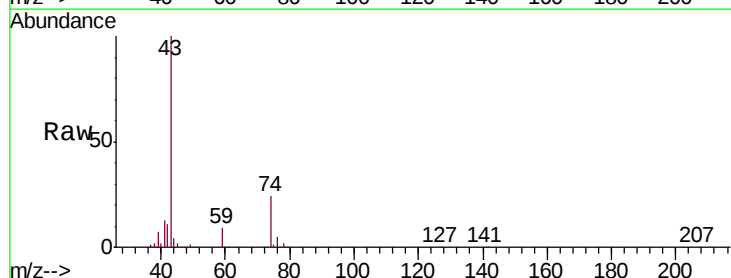
Acq: 29 Aug 2019 11:19

Tgt Ion: 43 Resp: 320918

Ion Ratio Lower Upper

43 100

74 23.4 19.2 28.8



Abundance Ion 43.00 (42.70 to 43.70): VU034018.D (-452) (-)

Ion 74.00 (73.70 to 74.70): VU034018.D (-452) (-)

2.60

200000

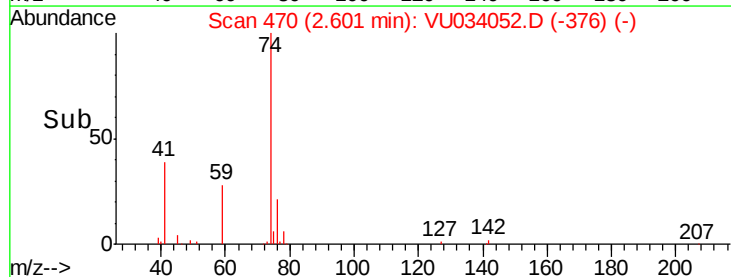
150000

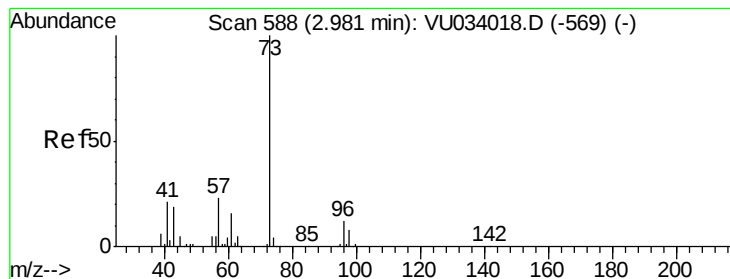
100000

50000

0

Time-->



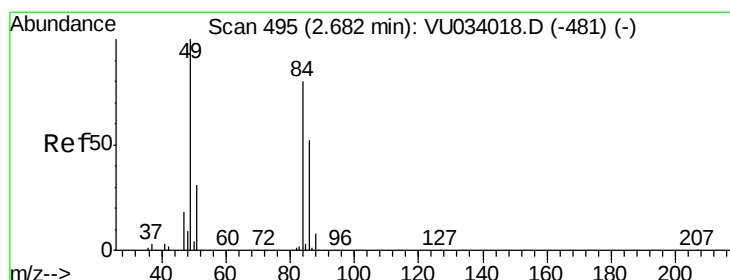
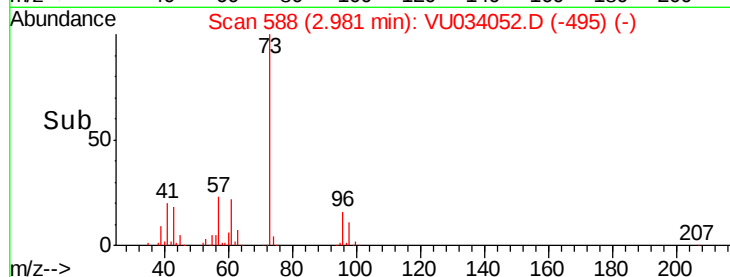
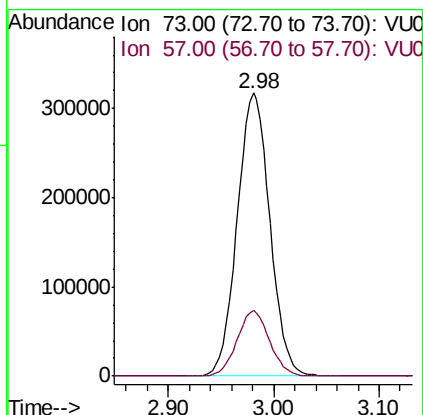
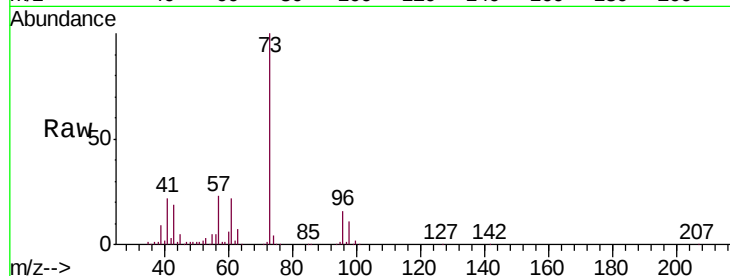


#19

Methyl tert-butyl Ether
 Concen: 48.575 ug/l
 RT: 2.98 min Scan# 588
 Delta R.T. -0.00 min
 Lab File: VU034052.D
 Acq: 29 Aug 2019 11:19

Instrument :
 MSVOA_U
 ClientSampleId :

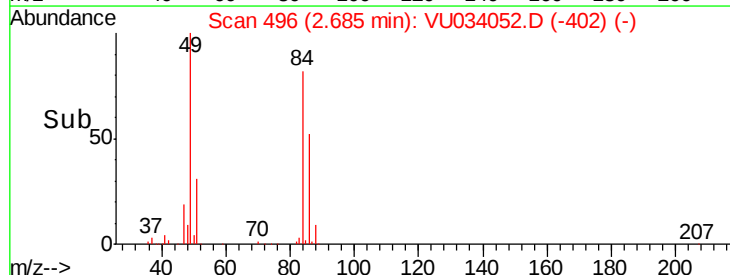
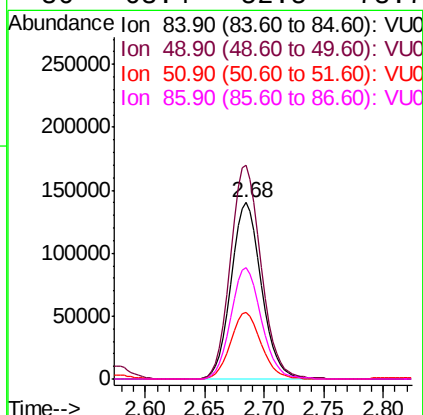
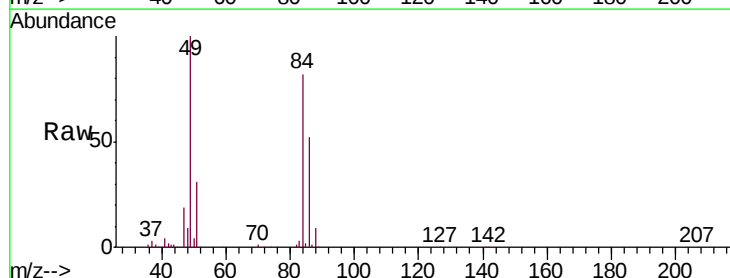
Tot Ion: 73 Resp: 681025
 Ion Ratio Lower Upper
 73 100
 57 23.1 18.3 27.5

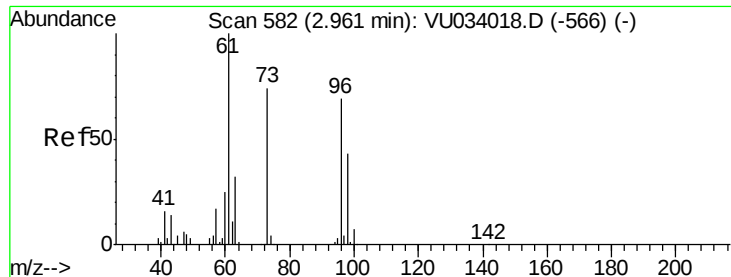


#20

Methylene Chloride
 Concen: 46.969 ug/l
 RT: 2.68 min Scan# 496
 Delta R.T. 0.00 min
 Lab File: VU034052.D
 Acq: 29 Aug 2019 11:19

Tgt Ion: 84 Resp: 248484
 Ion Ratio Lower Upper
 84 100
 49 121.3 100.2 150.4
 51 37.7 30.8 46.2
 86 63.4 52.5 78.7





#21

trans-1,2-Dichloroethene

Concen: 48.203 ug/l

RT: 2.96 min Scan# 583

Delta R.T. 0.00 min

Lab File: VU034052.D

Acq: 29 Aug 2019 11:19

Instrument :
MSVOA_U
ClientSampleId :

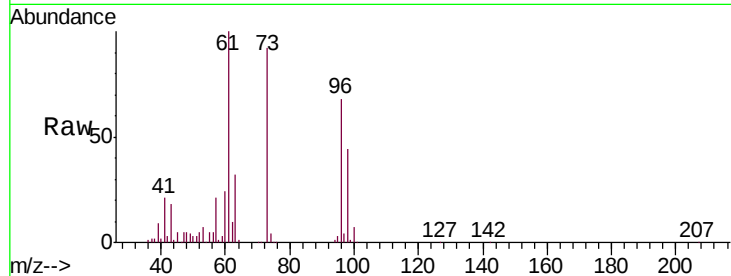
Tot Ion: 96 Resp: 223851

Ion Ratio Lower Upper

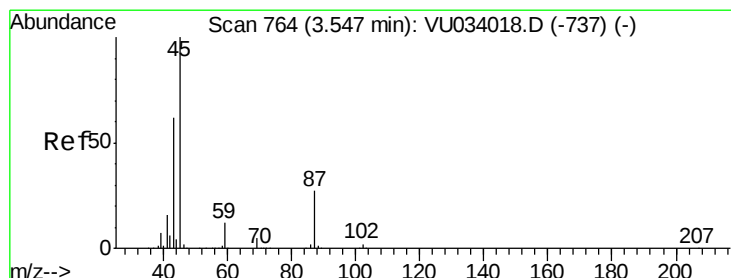
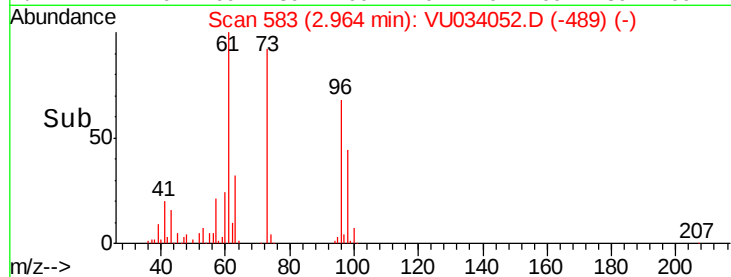
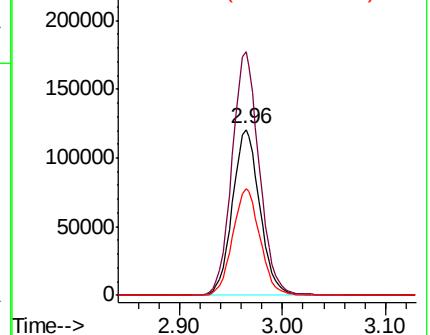
96 100

61 146.9 115.5 173.3

98 64.3 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: 49.481 ug/l

RT: 3.55 min Scan# 764

Delta R.T. -0.00 min

Lab File: VU034052.D

Acq: 29 Aug 2019 11:19

Tgt Ion: 45 Resp: 729454

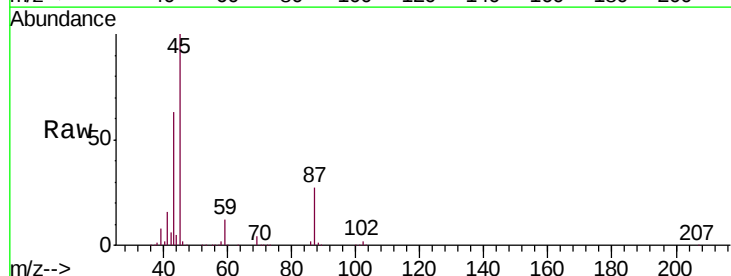
Ion Ratio Lower Upper

45 100

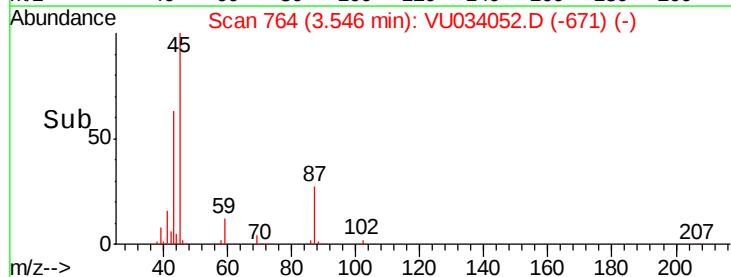
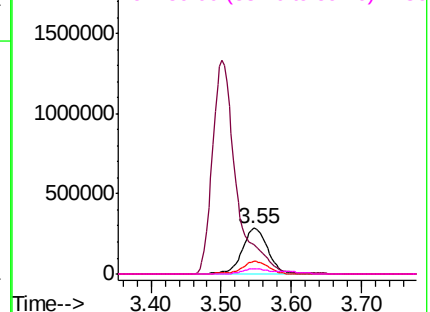
43 63.0 49.7 74.5

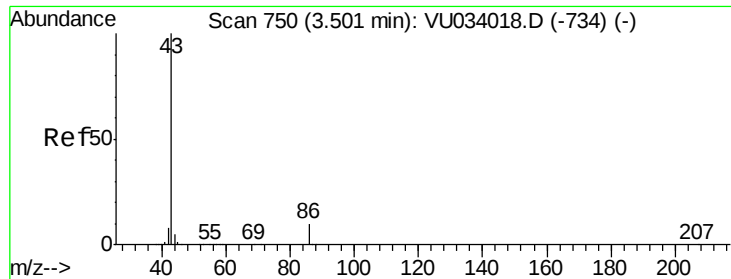
87 26.7 21.8 32.8

59 12.2 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: 248.098 ug/l

RT: 3.50 min Scan# 750

Delta R.T. -0.00 min

Lab File: VU034052.D

Acq: 29 Aug 2019 11:19

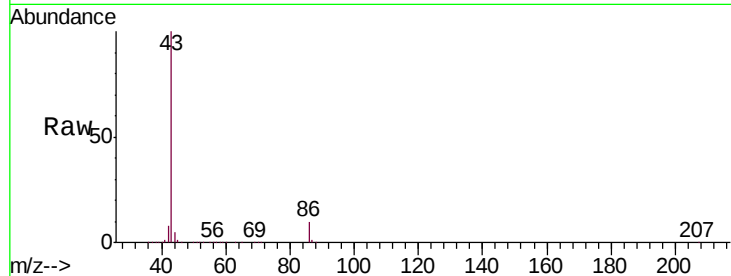
Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 43 Resp: 3141928

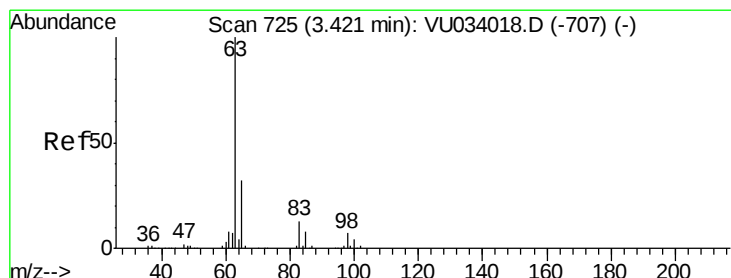
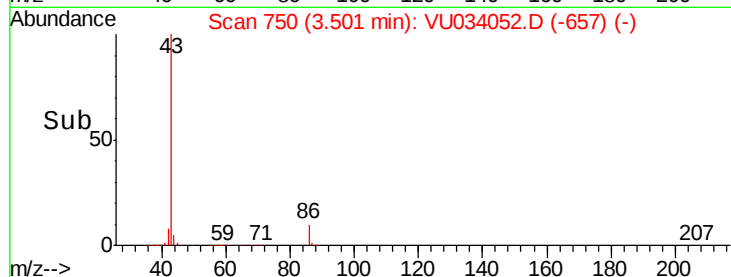
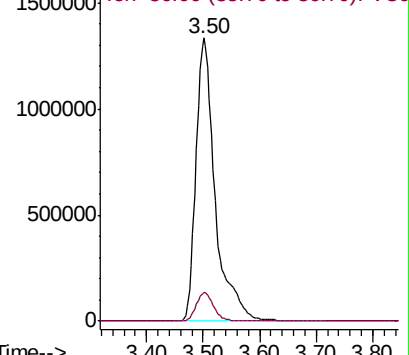
Ion Ratio Lower Upper

43 100

86 10.3 8.3 12.5



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



#24

1,1-Dichloroethane

Concen: 48.231 ug/l

RT: 3.42 min Scan# 726

Delta R.T. 0.00 min

Lab File: VU034052.D

Acq: 29 Aug 2019 11:19

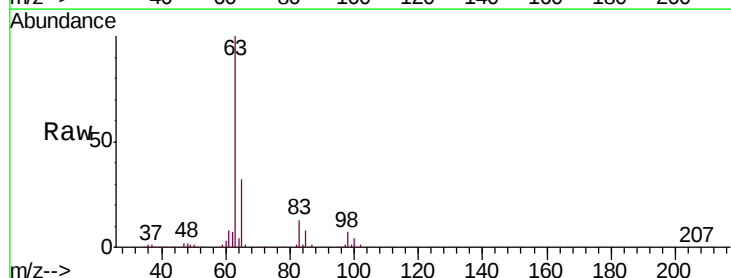
Tgt Ion: 63 Resp: 419786

Ion Ratio Lower Upper

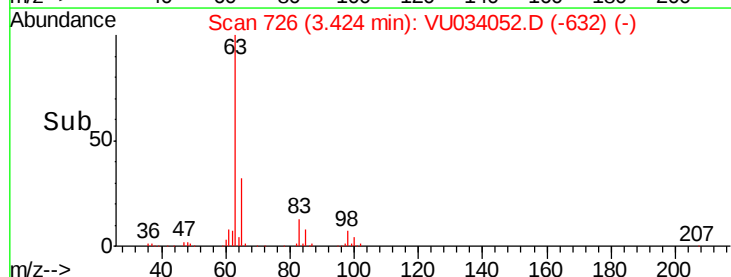
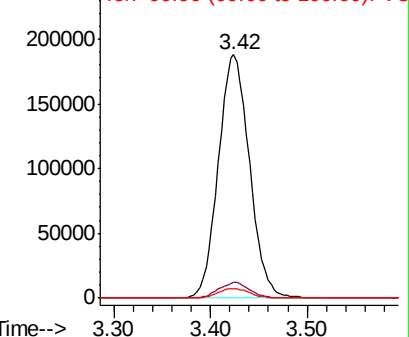
63 100

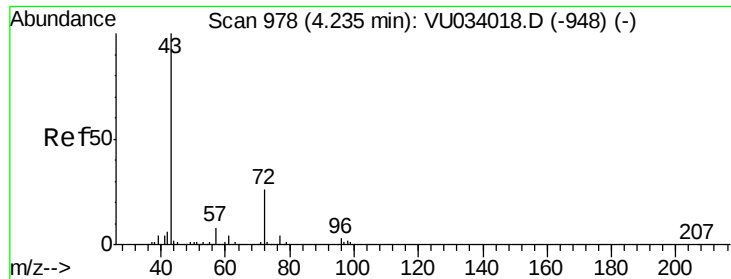
98 6.5 3.3 9.8

100 4.0 2.0 6.0



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





#25

2-Butanone

Concen: 251.073 ug/l

RT: 4.23 min Scan# 978

Delta R.T. -0.00 min

Lab File: VU034052.D

Acq: 29 Aug 2019 11:19

Instrument :

MSVOA_U

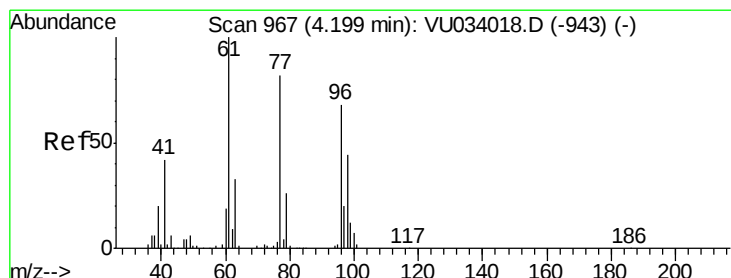
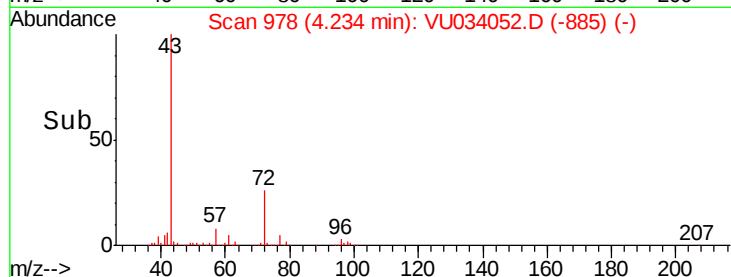
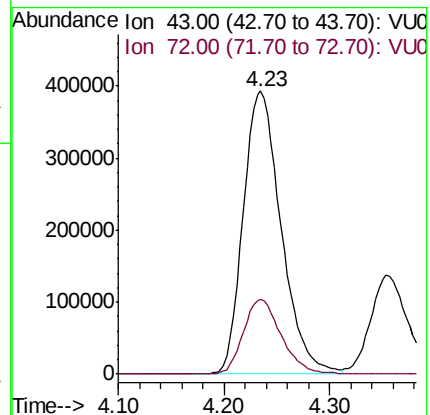
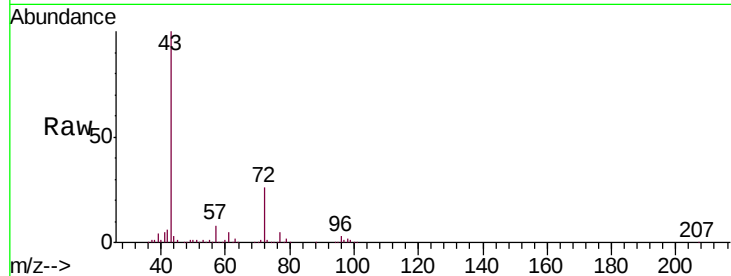
ClientSampled :

Tot Ion: 43 Resp: 976152

Ion Ratio Lower Upper

43 100

72 26.3 21.2 31.8



#26

2,2-Dichloropropane

Concen: 47.952 ug/l

RT: 4.20 min Scan# 967

Delta R.T. -0.00 min

Lab File: VU034052.D

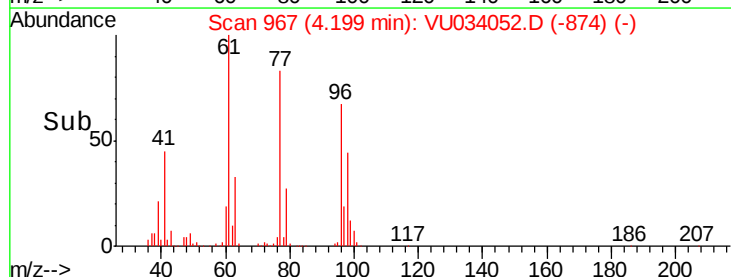
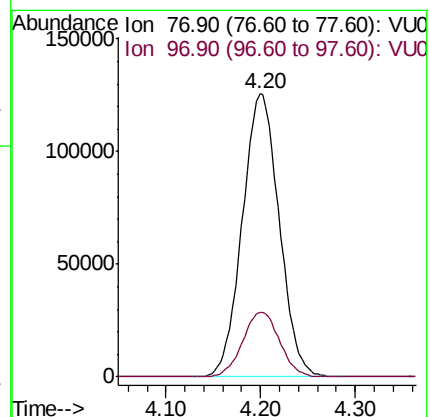
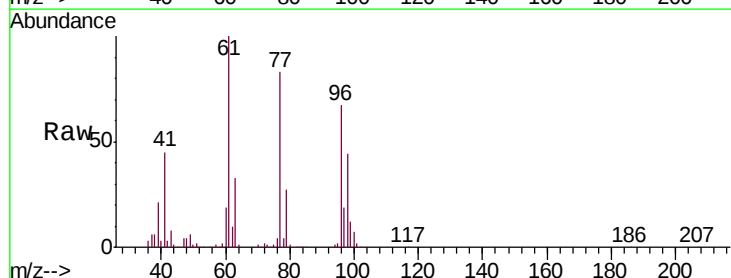
Acq: 29 Aug 2019 11:19

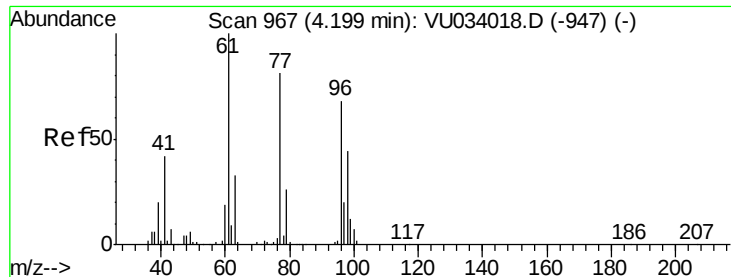
Tgt Ion: 77 Resp: 339605

Ion Ratio Lower Upper

77 100

97 23.0 11.6 34.7



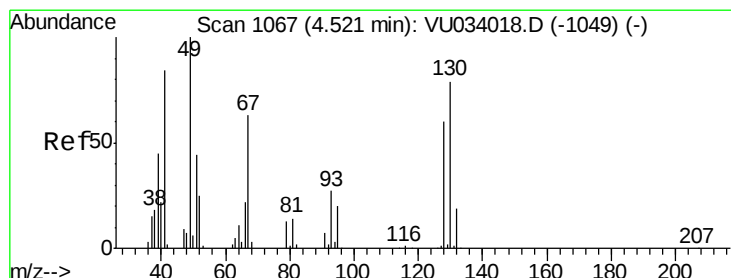
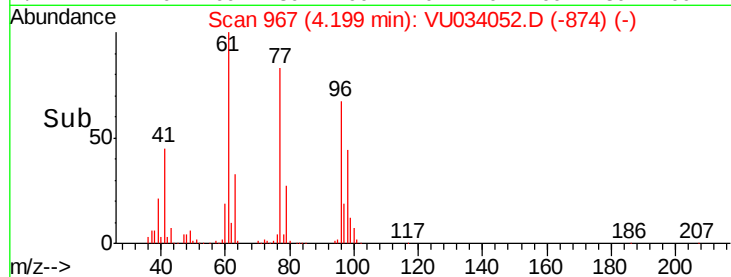
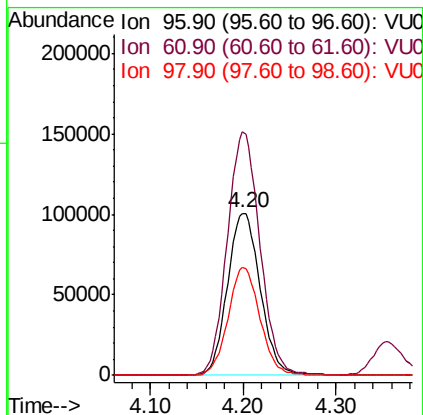
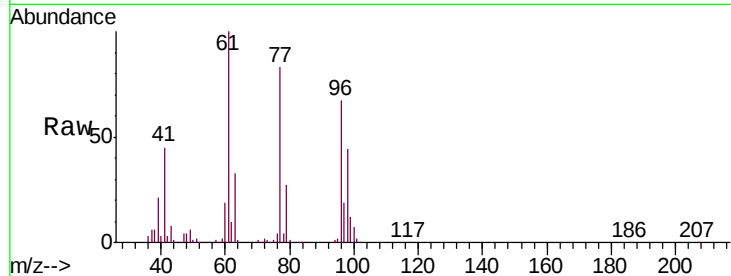


#27

cis-1,2-Dichloroethene
 Concen: 47.378 ug/l
 RT: 4.20 min Scan# 967
 Delta R.T. -0.00 min
 Lab File: VU034052.D
 Acq: 29 Aug 2019 11:19

Instrument :
 MSVOA_U
 ClientSampled :

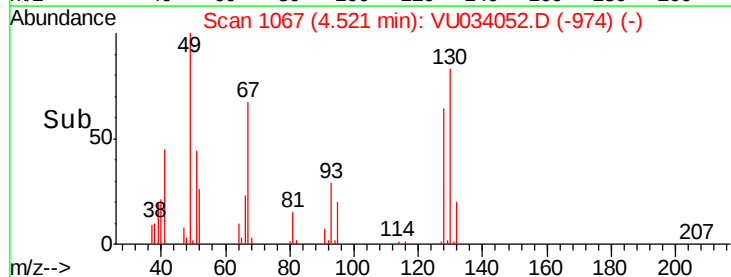
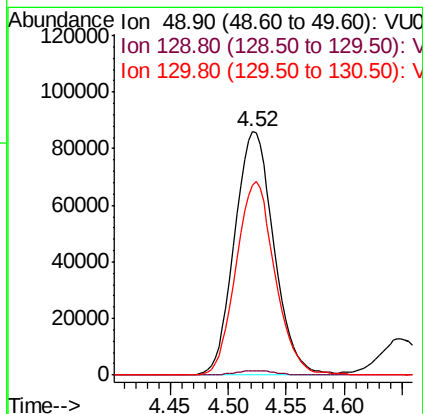
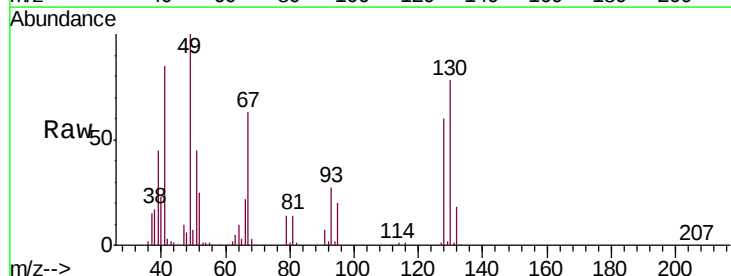
Tot Ion	96	Resp	246955
Ion	Ratio	Lower	Upper
96	100		
61	150.1	0.0	303.0
98	64.8	0.0	129.2

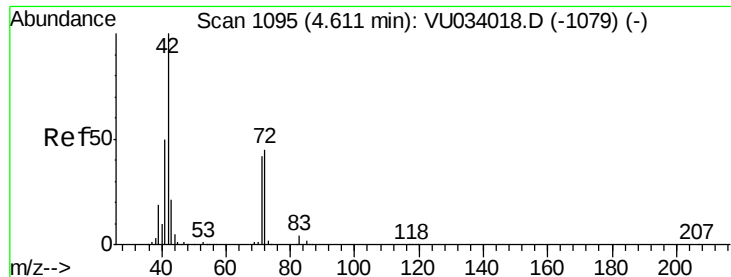


#28

Bromochloromethane
 Concen: 47.337 ug/l
 RT: 4.52 min Scan# 1067
 Delta R.T. -0.00 min
 Lab File: VU034052.D
 Acq: 29 Aug 2019 11:19

Tgt Ion	49	Resp	202988
Ion	Ratio	Lower	Upper
49	100		
129	1.9	0.0	3.6
130	79.0	62.8	94.2

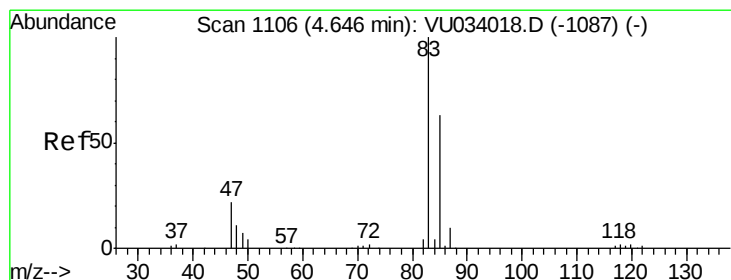
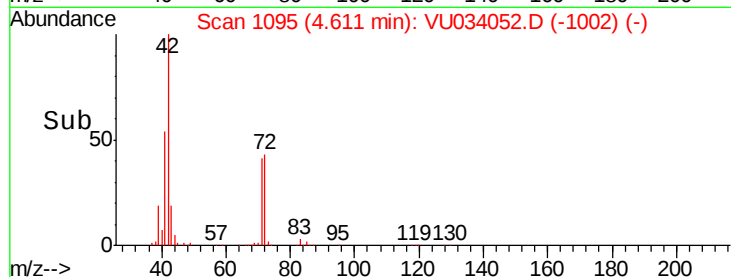
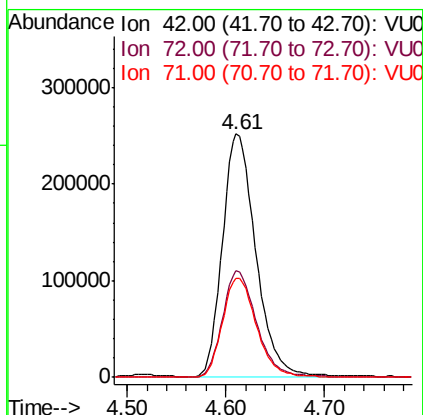
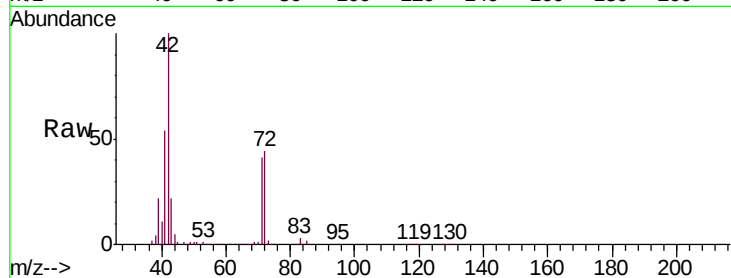




#29
Tetrahydrofuran
Concen: 247.452 ug/l
RT: 4.61 min Scan# 1095
Delta R.T. -0.00 min
Lab File: VU034052.D
Acq: 29 Aug 2019 11:19

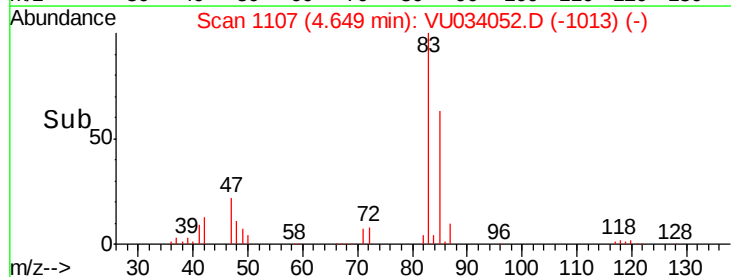
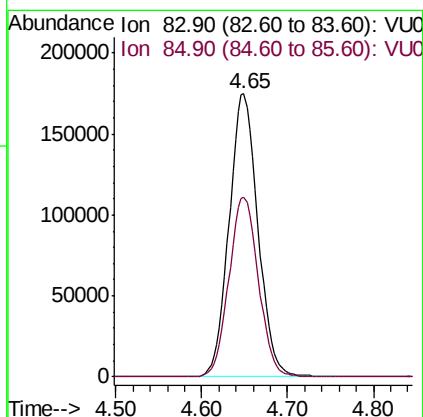
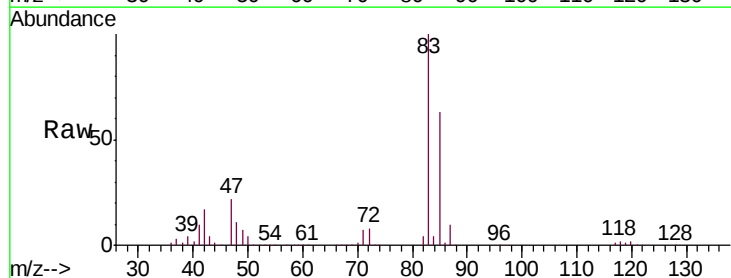
Instrument :
MSVOA_U
ClientSampleId :

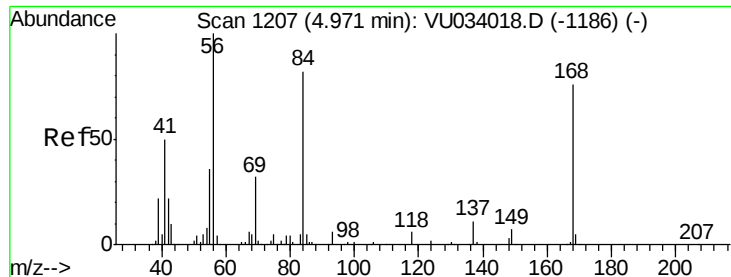
Tot Ion	Ratio	Lower	Upper
42	100		
72	44.7	35.8	53.6
71	41.9	34.0	51.0



#30
Chloroform
Concen: 46.891 ug/l
RT: 4.65 min Scan# 1107
Delta R.T. 0.00 min
Lab File: VU034052.D
Acq: 29 Aug 2019 11:19

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.4	50.7	76.1

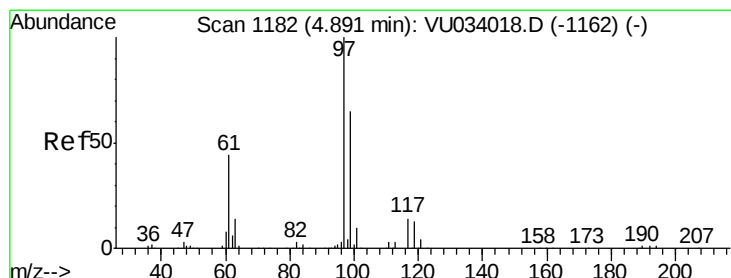
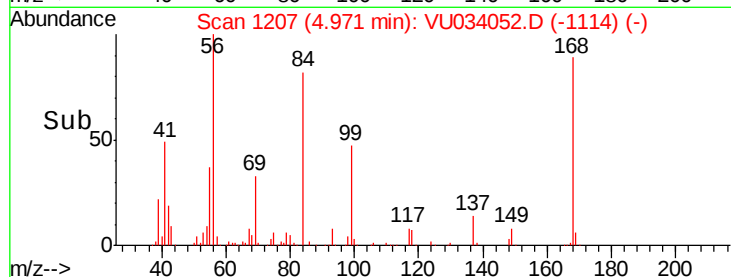
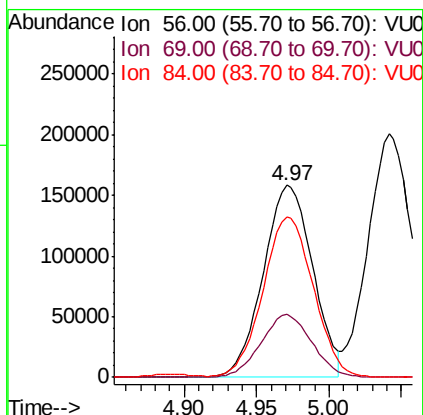
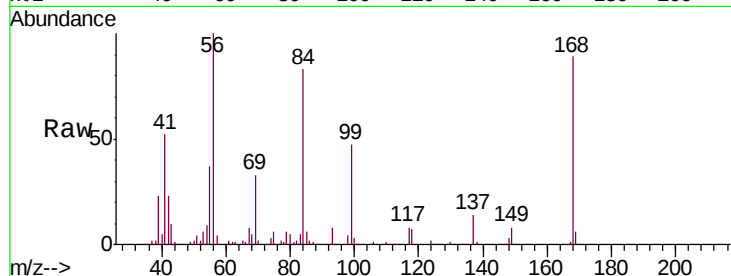




#31
Cyclohexane
Concen: 45.854 ug/l
RT: 4.97 min Scan# 1207
Delta R.T. -0.00 min
Lab File: VU034052.D
Acq: 29 Aug 2019 11:19

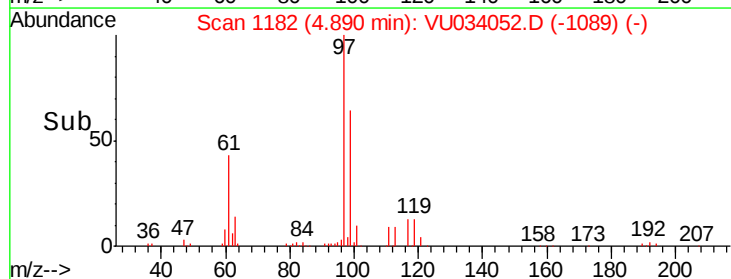
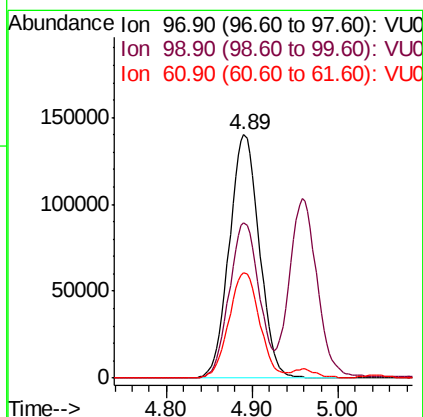
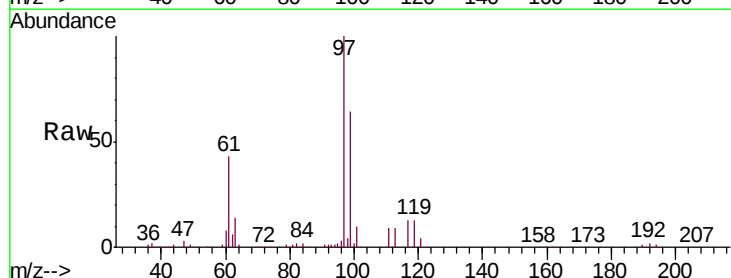
Instrument :
MSVOA_U
ClientSampled :

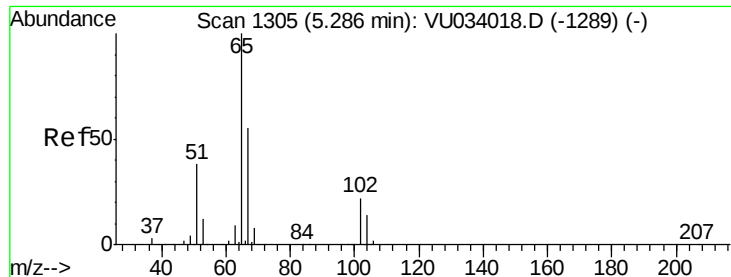
Tot Ion: 56 Resp: 375014
Ion Ratio Lower Upper
56 100
69 32.7 25.4 38.0
84 82.1 65.8 98.8



#32
1,1,1-Trichloroethane
Concen: 47.795 ug/l
RT: 4.89 min Scan# 1182
Delta R.T. -0.00 min
Lab File: VU034052.D
Acq: 29 Aug 2019 11:19

Tgt Ion: 97 Resp: 339926
Ion Ratio Lower Upper
97 100
99 63.8 51.8 77.6
61 44.4 35.3 52.9





#33

1,2-Dichloroethane-d4

Concen: 46.456 ug/l

RT: 5.29 min Scan# 1305

Delta R.T. -0.00 min

Lab File: VU034052.D

Acq: 29 Aug 2019 11:19

Instrument :

MSVOA_U

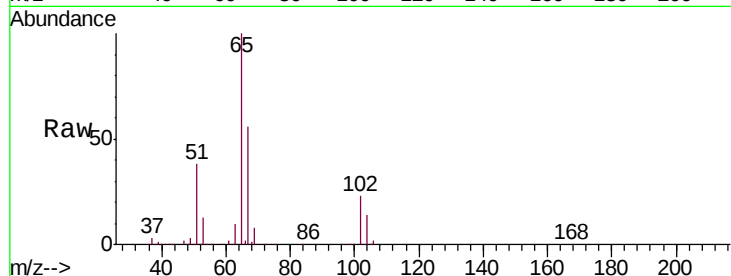
ClientSampleId :

Tot Ion: 65 Resp: 254431

Ion Ratio Lower Upper

65 100

67 55.4 0.0 110.6



Abundance Ion 64.90 (64.60 to 65.60): VU034018.D (-1289) (-)

Ion 66.90 (66.60 to 67.60): VU034018.D (-1289) (-)

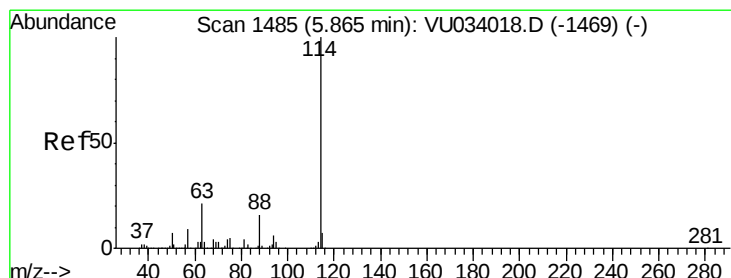
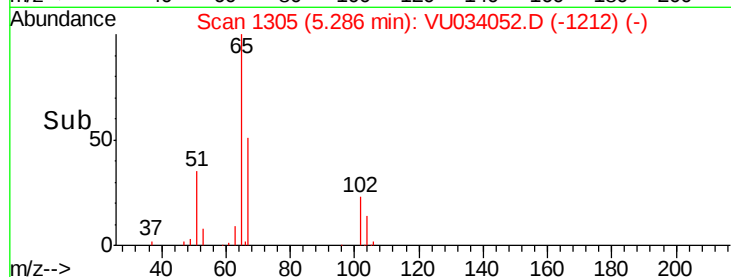
5.29

100000

50000

0

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.86 min Scan# 1485

Delta R.T. -0.00 min

Lab File: VU034052.D

Acq: 29 Aug 2019 11:19

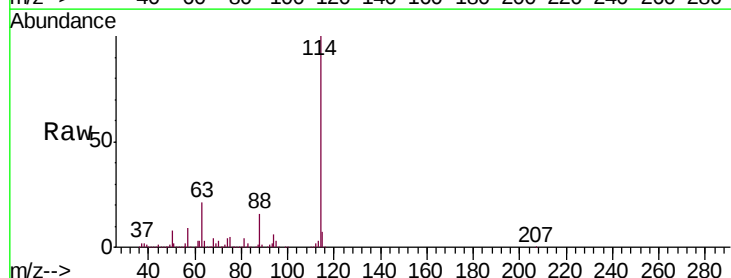
Tgt Ion: 114 Resp: 641038

Ion Ratio Lower Upper

114 100

63 21.2 0.0 42.0

88 15.8 0.0 32.0



Abundance Ion 113.90 (113.60 to 114.60): VU034018.D (-1469) (-)

Ion 63.00 (62.70 to 63.70): VU034018.D (-1469) (-)

Ion 87.90 (87.60 to 88.60): VU034018.D (-1469) (-)

5.86

400000

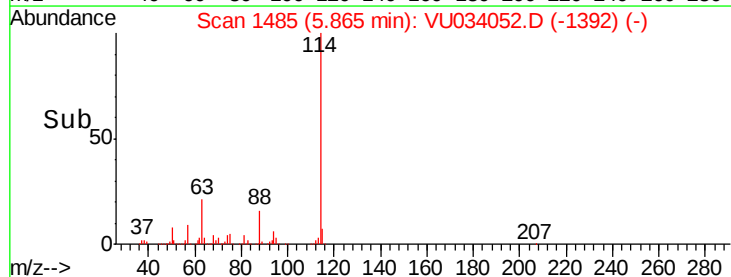
300000

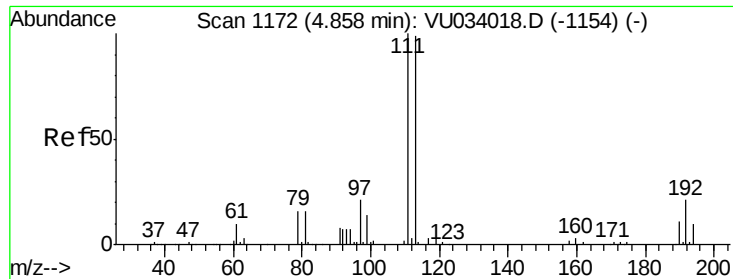
200000

100000

0

Time-->

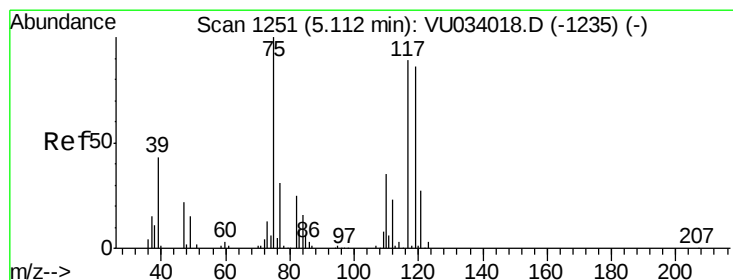
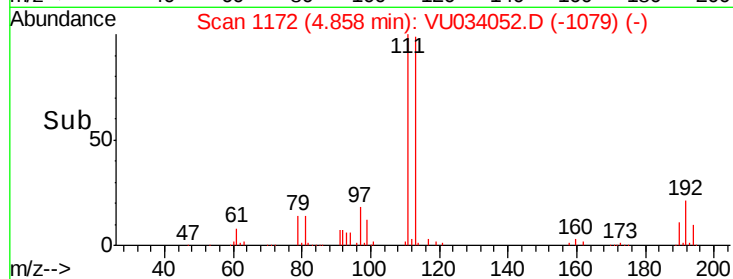
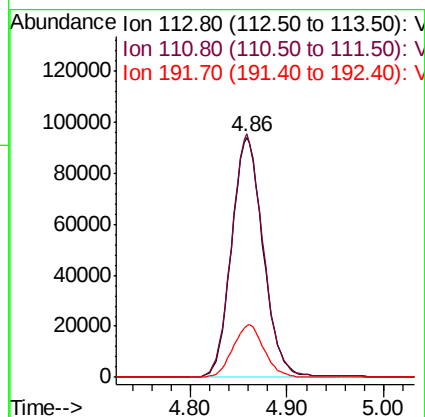
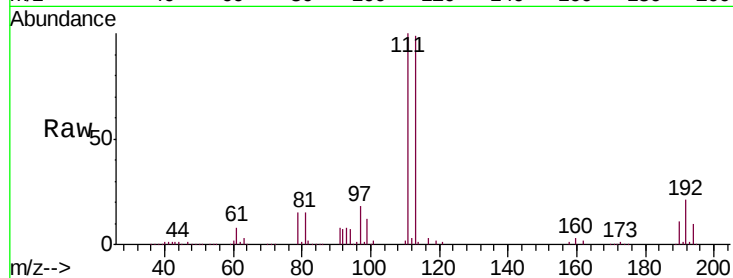




#35
 Dibromofluoromethane
 Concen: 48.047 ug/l
 RT: 4.86 min Scan# 1172
 Delta R.T. -0.00 min
 Lab File: VU034052.D
 Acq: 29 Aug 2019 11:19

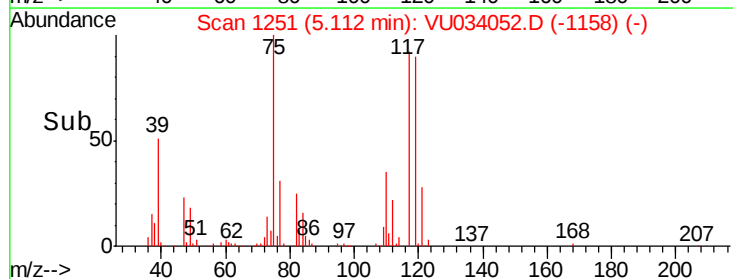
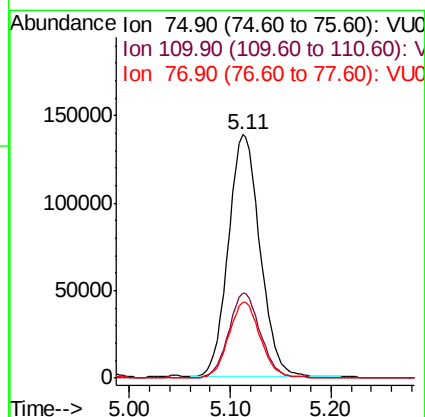
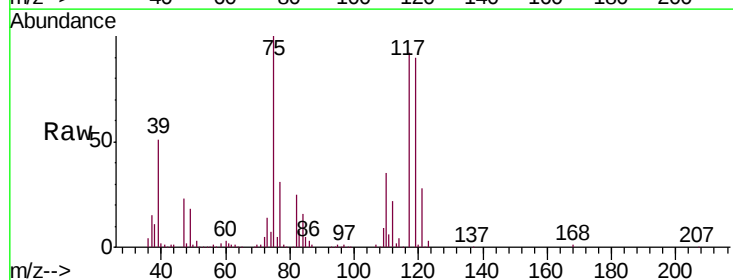
Instrument :
 MSVOA_U
 ClientSampleId :

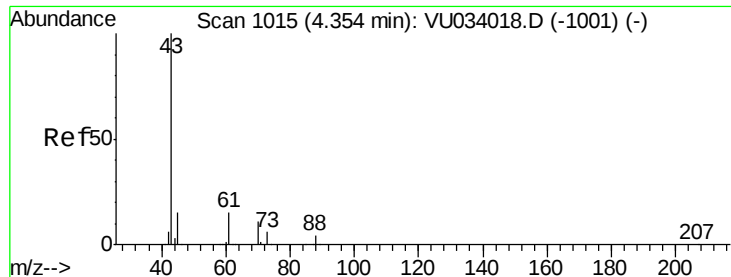
Tot Ion:113 Resp: 213626
 Ion Ratio Lower Upper
 113 100
 111 101.0 81.7 122.5
 192 21.6 17.1 25.7



#36
 1,1-Dichloropropene
 Concen: 50.073 ug/l
 RT: 5.11 min Scan# 1251
 Delta R.T. -0.00 min
 Lab File: VU034052.D
 Acq: 29 Aug 2019 11:19

Tgt Ion: 75 Resp: 303612
 Ion Ratio Lower Upper
 75 100
 110 35.2 17.8 53.5
 77 31.7 25.0 37.4

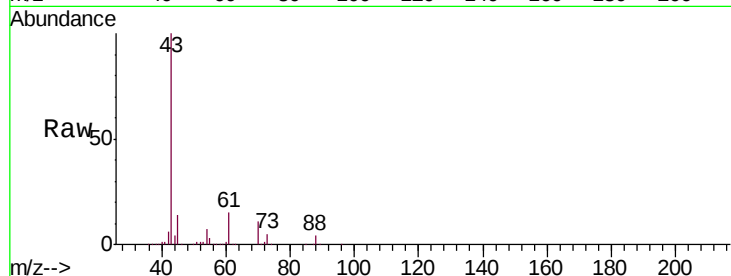




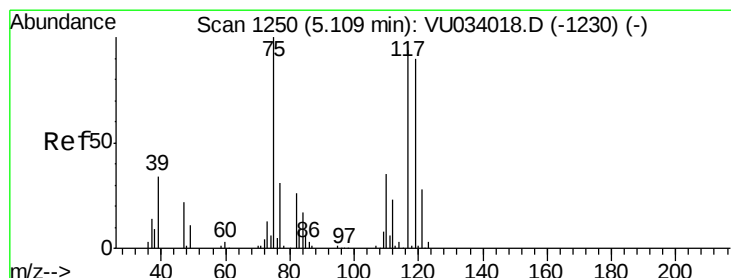
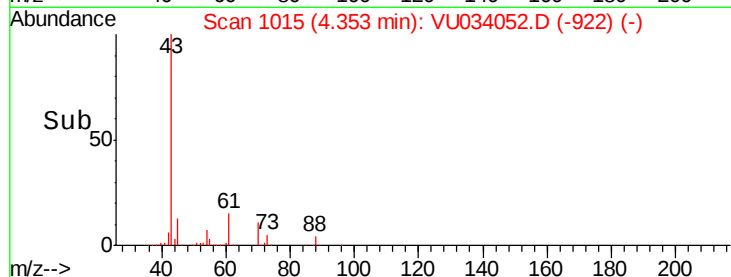
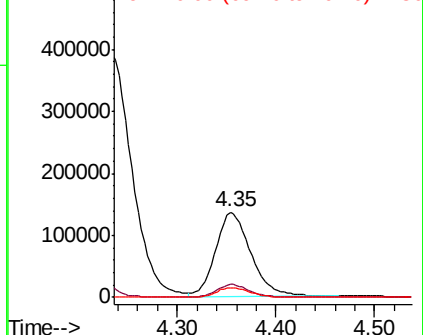
#37
Ethyl Acetate
Concen: 49.896 ug/l
RT: 4.35 min Scan# 1015
Delta R.T. -0.00 min
Lab File: VU034052.D
Acq: 29 Aug 2019 11:19

Instrument :
MSVOA_U
ClientSampleID :

Tot Ion: 43 Resp: 338792
Ion Ratio Lower Upper
43 100
61 14.5 11.5 17.3
70 11.1 8.6 12.8

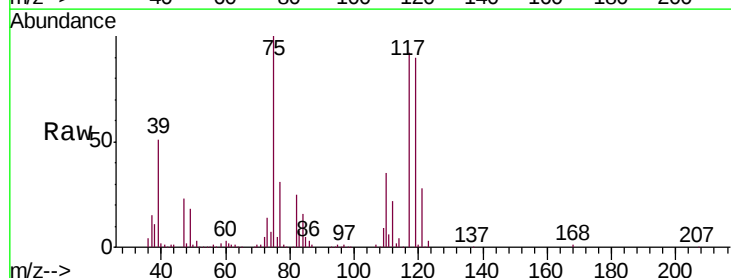


Abundance Ion 43.00 (42.70 to 43.70): VU0
Ion 60.90 (60.60 to 61.60): VU0
Ion 70.00 (69.70 to 70.70): VU0

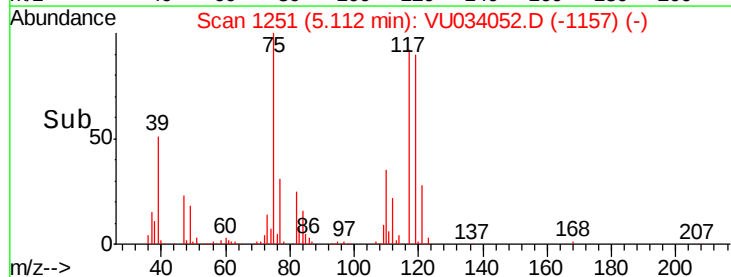
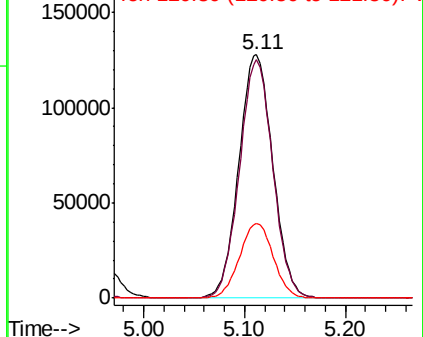


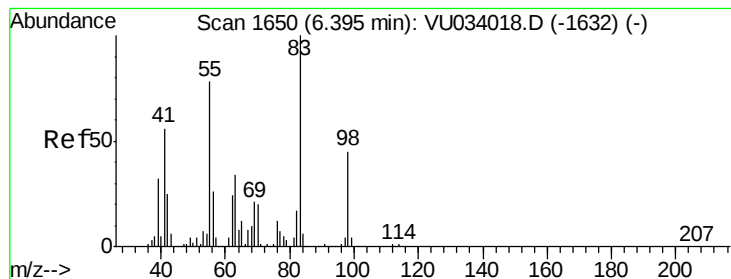
#38
Carbon Tetrachloride
Concen: 50.933 ug/l
RT: 5.11 min Scan# 1251
Delta R.T. 0.00 min
Lab File: VU034052.D
Acq: 29 Aug 2019 11:19

Tgt Ion: 117 Resp: 298099
Ion Ratio Lower Upper
117 100
119 97.8 77.0 115.4
121 30.7 23.9 35.9



Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V





#39

Methvlcvclohexane

Concen: 51.673 ug/l

RT: 6.40 min Scan# 1650

Delta R.T. -0.00 min

Lab File: VU034052.D

Acq: 29 Aug 2019 11:19

Instrument :

MSVOA_U

ClientSampleId :

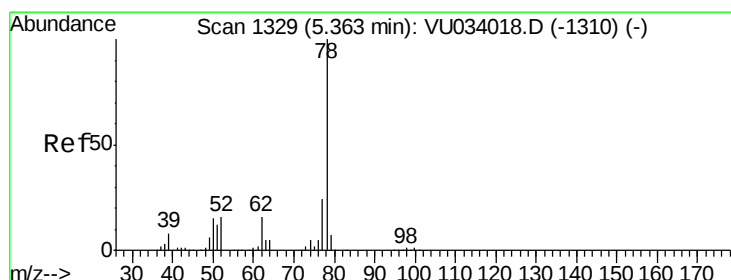
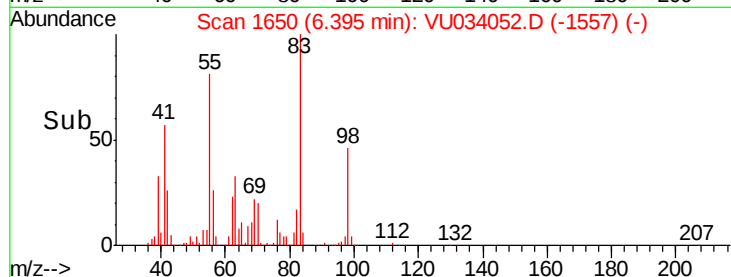
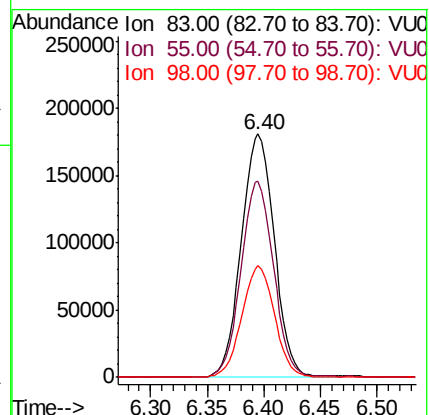
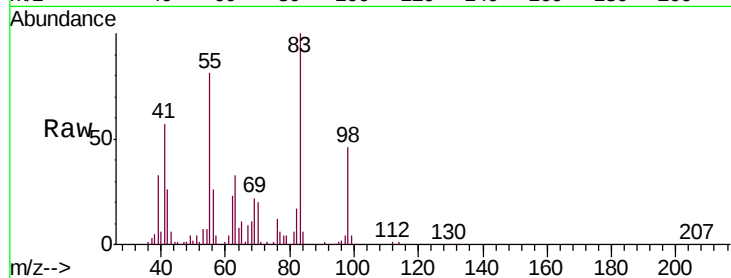
Tot Ion: 83 Resp: 369280

Ion Ratio Lower Upper

83 100

55 80.7 62.3 93.5

98 45.7 36.2 54.2



#40

Benzene

Concen: 50.669 ug/l

RT: 5.37 min Scan# 1330

Delta R.T. 0.00 min

Lab File: VU034052.D

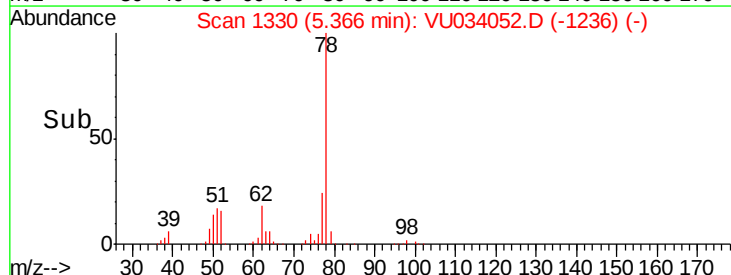
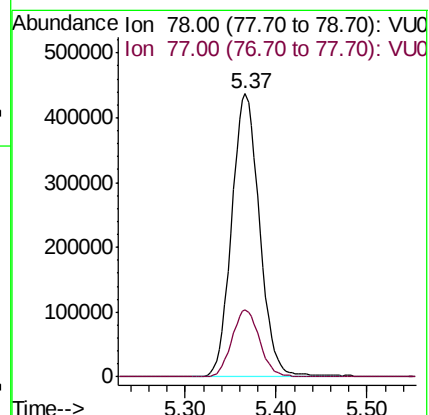
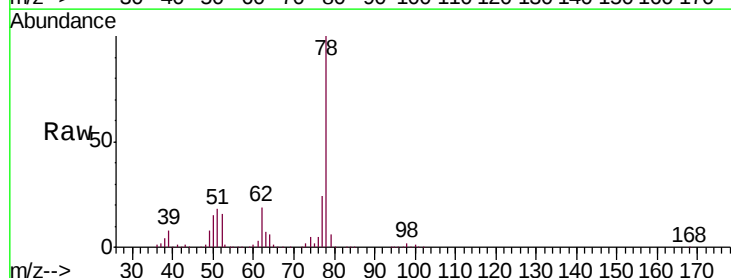
Acq: 29 Aug 2019 11:19

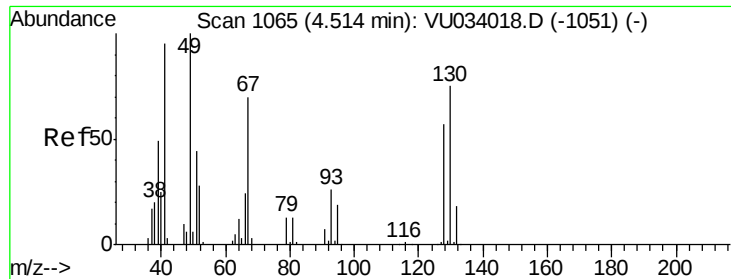
Tgt Ion: 78 Resp: 929519

Ion Ratio Lower Upper

78 100

77 23.7 19.0 28.6

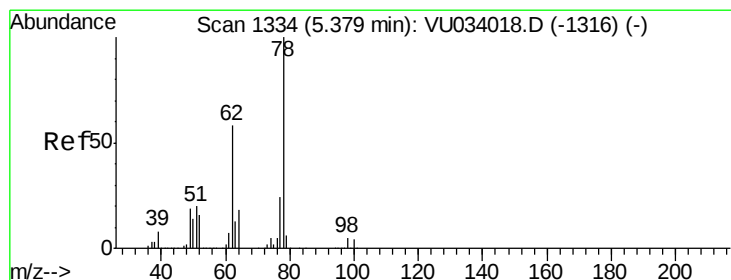
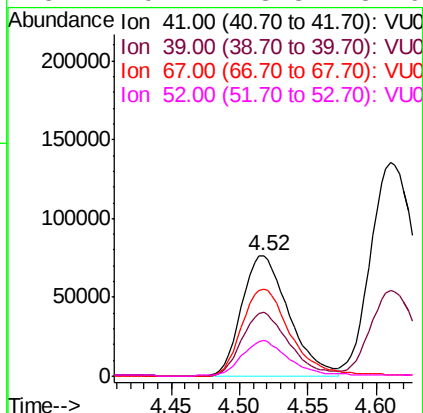
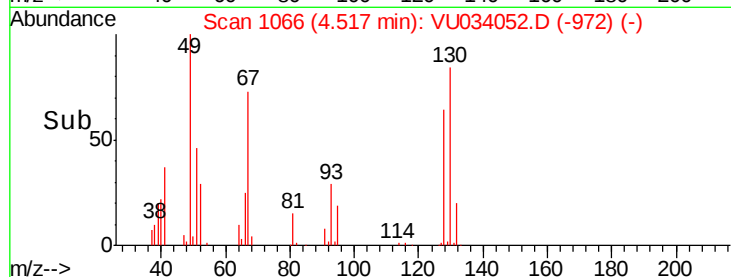
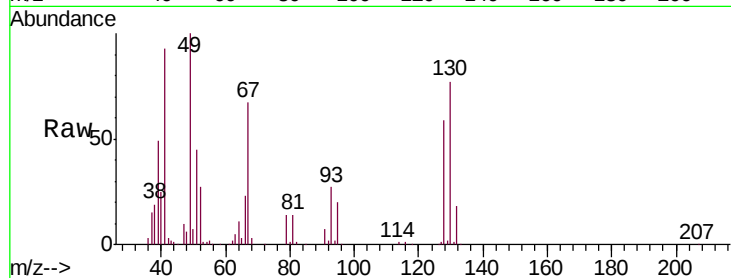




#41
Methacrylonitrile
Concen: 52.575 ug/l
RT: 4.52 min Scan# 1066
Delta R.T. 0.00 min
Lab File: VU034052.D
Acq: 29 Aug 2019 11:19

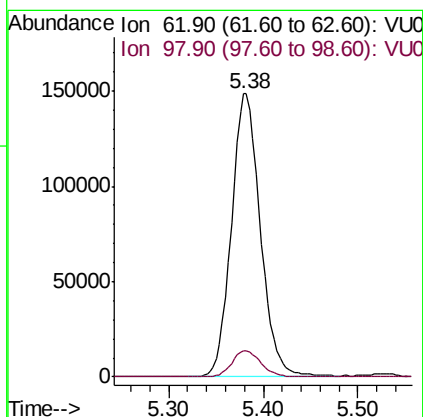
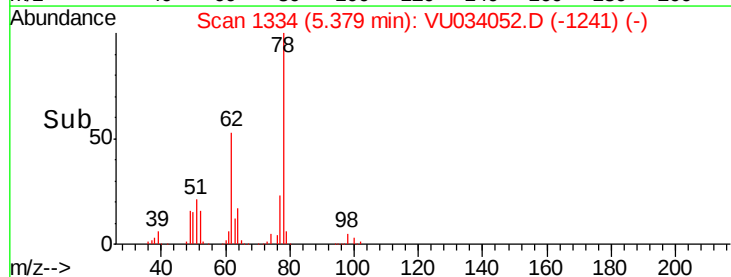
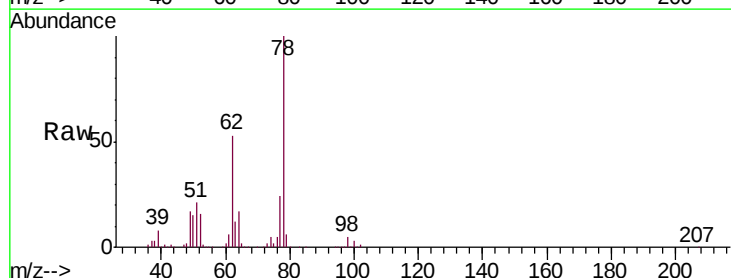
Instrument :
MSVOA_U
ClientSampleId :

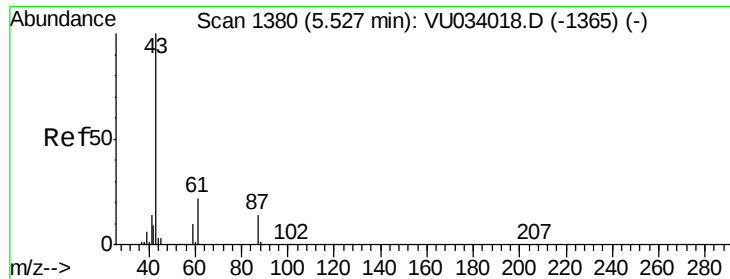
Tot Ion: 41 Resp: 183079
Ion Ratio Lower Upper
41 100
39 52.1 42.1 63.1
67 75.9 61.0 91.4
52 29.1 23.3 34.9



#42
1,2-Dichloroethane
Concen: 49.887 ug/l
RT: 5.38 min Scan# 1334
Delta R.T. -0.00 min
Lab File: VU034052.D
Acq: 29 Aug 2019 11:19

Tgt Ion: 62 Resp: 316029
Ion Ratio Lower Upper
62 100
98 9.4 0.0 18.2

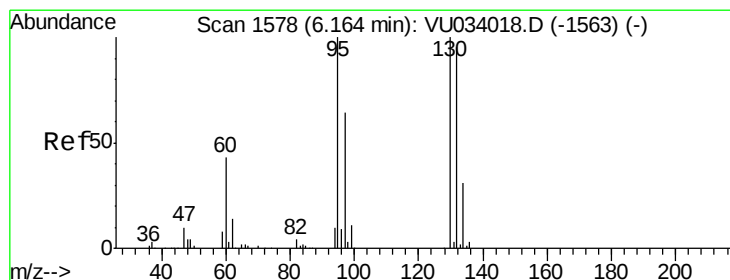
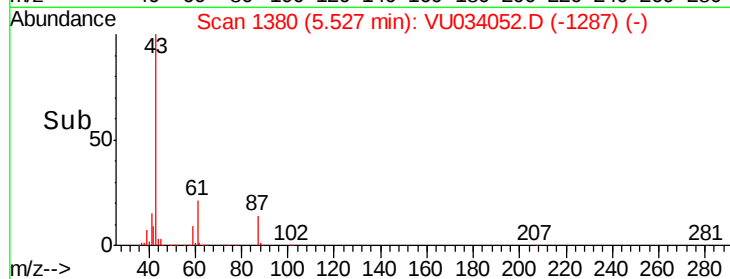
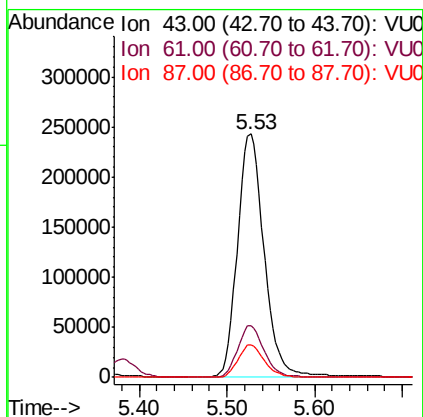
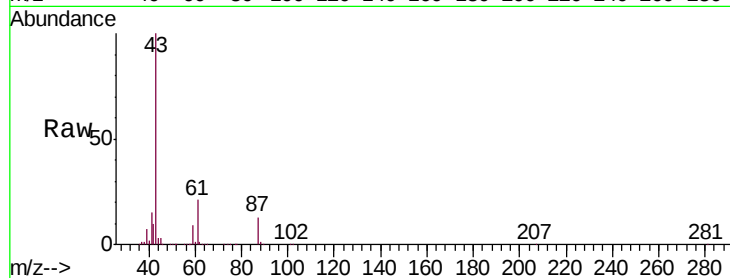




#43
Isopropyl Acetate
Concen: 49.438 ug/l
RT: 5.53 min Scan# 1380
Delta R.T. -0.00 min
Lab File: VU034052.D
Acq: 29 Aug 2019 11:19

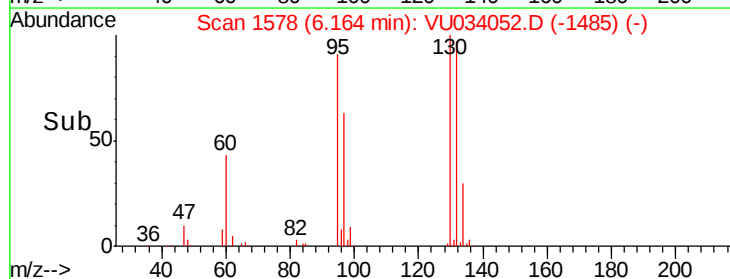
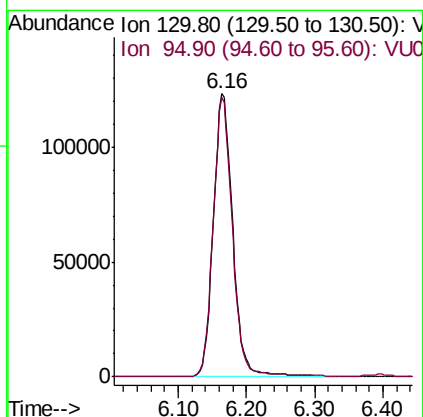
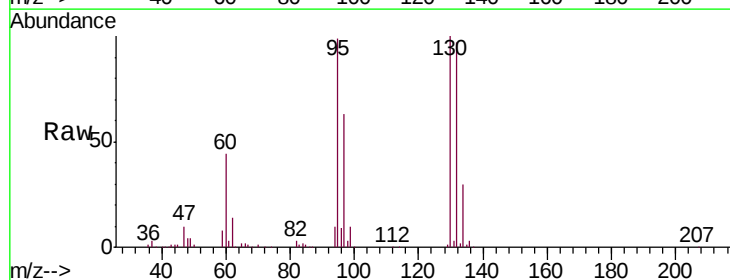
Instrument :
MSVOA_U
ClientSampled :

Tot Ion	Ratio	Lower	Upper
43	100		
61	21.0	17.2	25.8
87	13.4	10.8	16.2



#44
Trichloroethene
Concen: 50.661 ug/l
RT: 6.16 min Scan# 1578
Delta R.T. -0.00 min
Lab File: VU034052.D
Acq: 29 Aug 2019 11:19

Tgt Ion	Ratio	Lower	Upper
130	100		
95	98.7	0.0	199.6





#45

1,2-Dichloropropane

Concen: 51.015 ug/l

RT: 6.41 min Scan# 1655

Delta R.T. -0.00 min

Lab File: VU034052.D

Acq: 29 Aug 2019 11:19

Instrument :

MSVOA_U

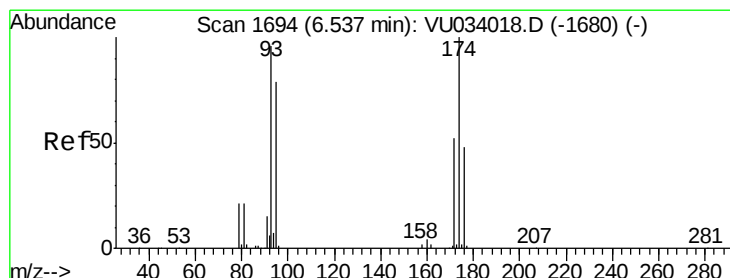
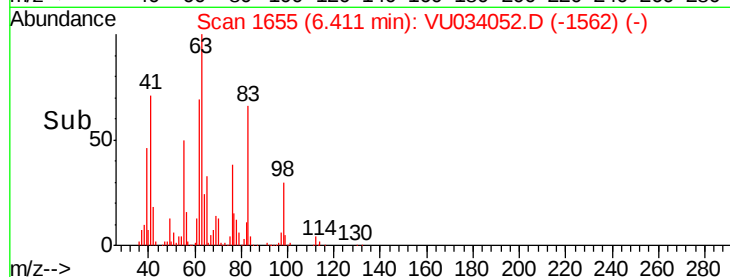
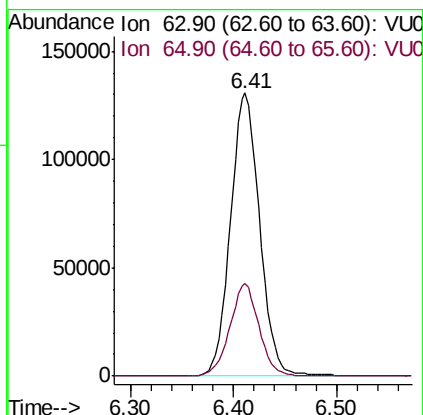
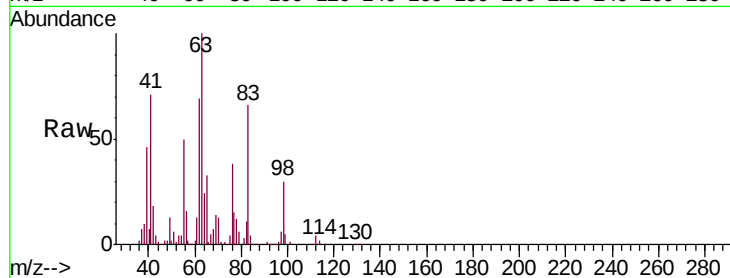
ClientSampleId :

Tot Ion: 63 Resp: 257621

Ion Ratio Lower Upper

63 100

65 32.9 25.4 38.2



#46

Dibromomethane

Concen: 50.873 ug/l

RT: 6.54 min Scan# 1695

Delta R.T. 0.00 min

Lab File: VU034052.D

Acq: 29 Aug 2019 11:19

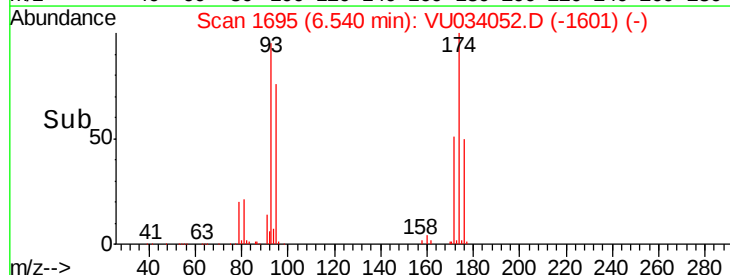
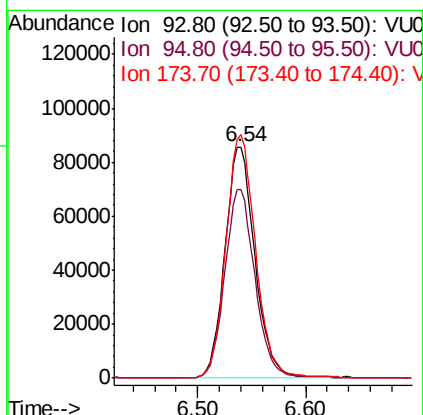
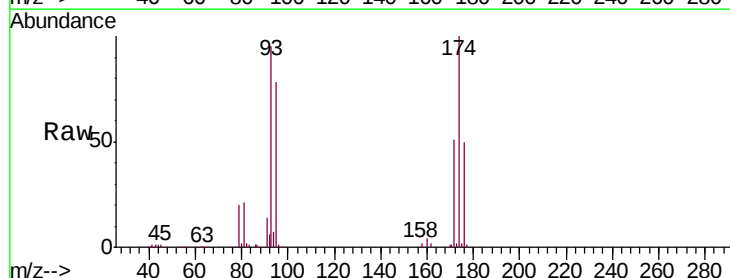
Tgt Ion: 93 Resp: 165515

Ion Ratio Lower Upper

93 100

95 82.0 66.7 100.1

174 104.2 84.9 127.3





#47

Bromodichloromethane

Concen: 50.159 ug/l

RT: 6.74 min Scan# 1756

Delta R.T. -0.00 min

Lab File: VU034052.D

Acq: 29 Aug 2019 11:19

Instrument :

MSVOA_U

ClientSampled :

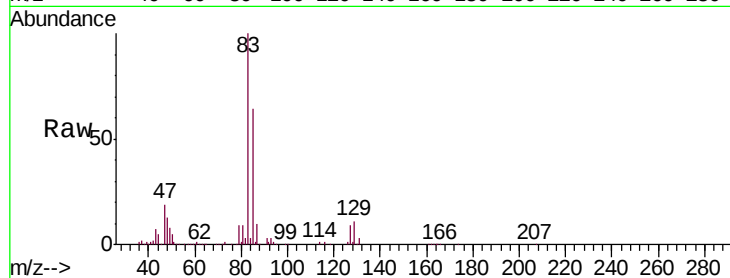
Tot Ion: 83 Resp: 319283

Ion Ratio Lower Upper

83 100

85 64.3 51.2 76.8

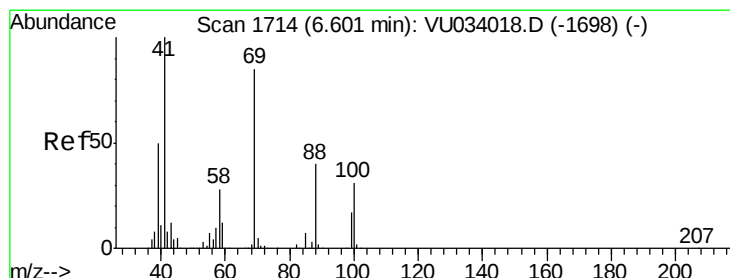
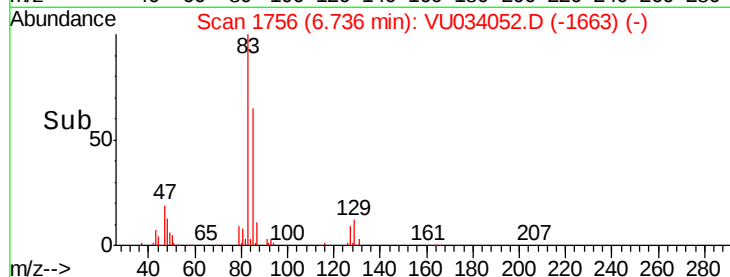
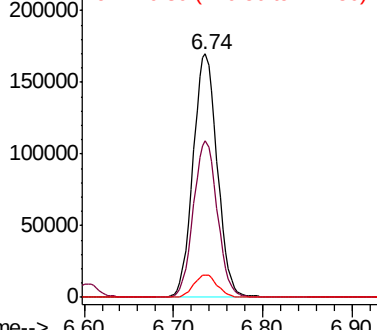
127 9.3 7.0 10.6



Abundance Ion 82.90 (82.60 to 83.60): VU0

Ion 84.90 (84.60 to 85.60): VU0

Ion 126.80 (126.50 to 127.50): V



#48

Methyl methacrylate

Concen: 50.590 ug/l

RT: 6.60 min Scan# 1714

Delta R.T. -0.00 min

Lab File: VU034052.D

Acq: 29 Aug 2019 11:19

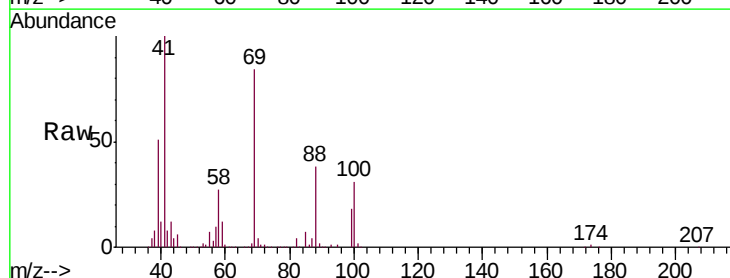
Tgt Ion: 41 Resp: 252174

Ion Ratio Lower Upper

41 100

69 87.9 69.5 104.3

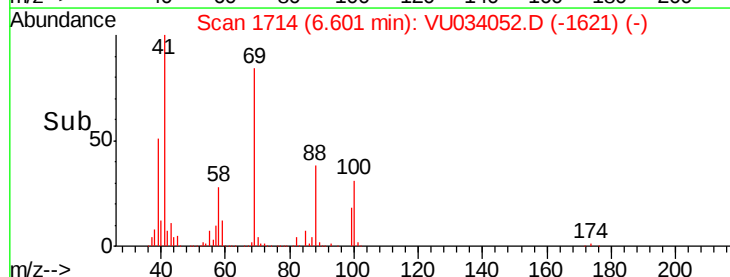
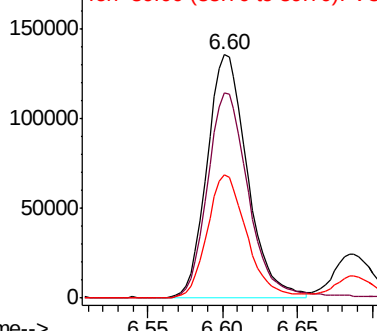
39 49.9 40.3 60.5



Abundance Ion 41.00 (40.70 to 41.70): VU0

Ion 69.00 (68.70 to 69.70): VU0

Ion 39.00 (38.70 to 39.70): VU0

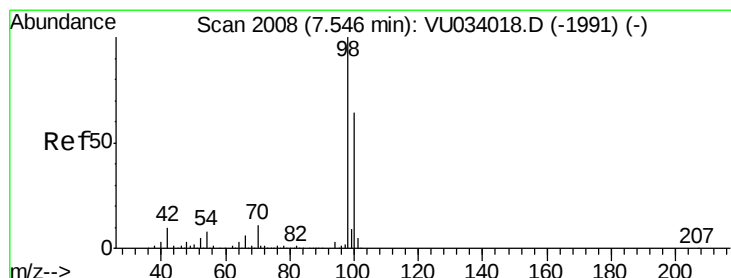
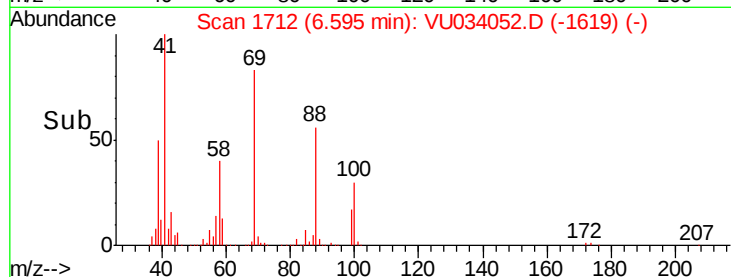
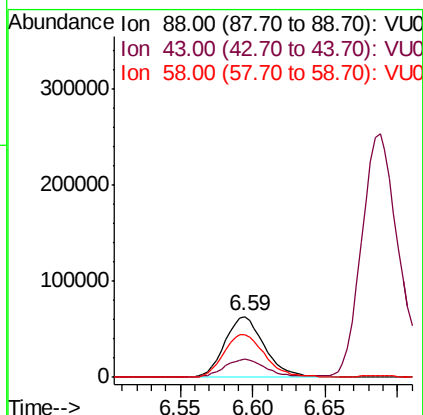
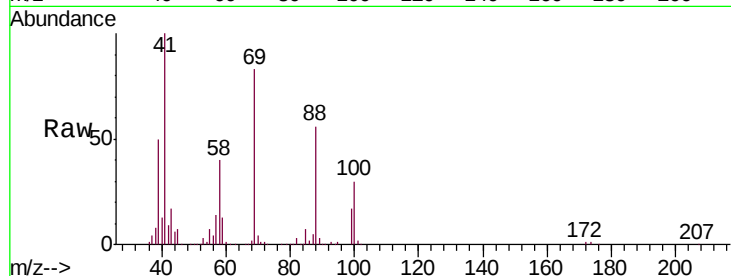




#49
 1,4-Dioxane
 Concen: 951.181 ug/l
 RT: 6.59 min Scan# 1712
 Delta R.T. -0.00 min
 Lab File: VU034052.D
 Acq: 29 Aug 2019 11:19

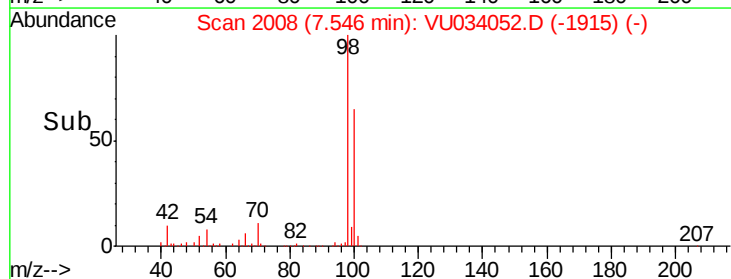
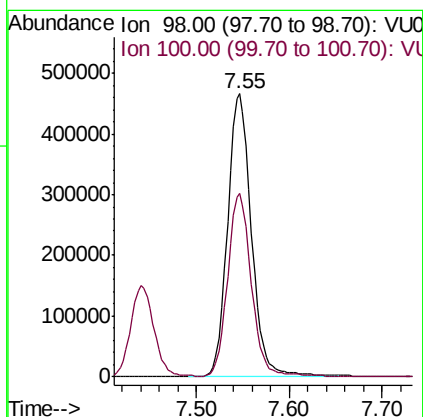
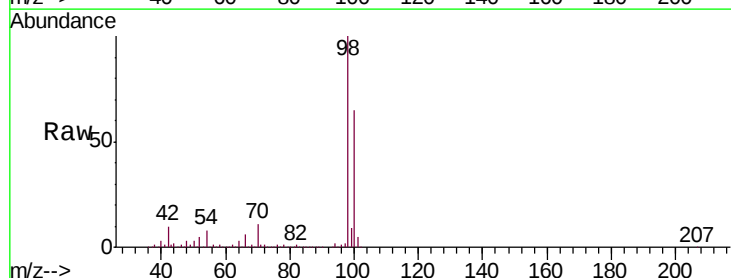
Instrument :
 MSVOA_U
 ClientSampleId :

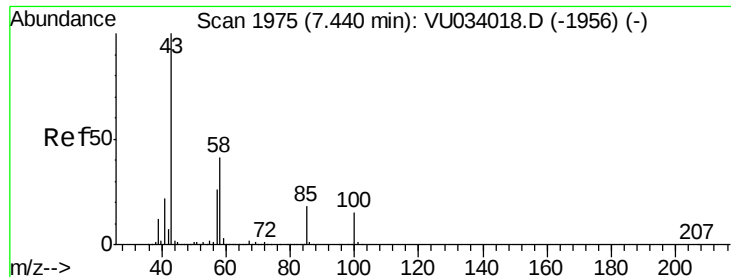
Tot Ion: 88 Resp: 118797
 Ion Ratio Lower Upper
 88 100
 43 30.5 24.8 37.2
 58 74.0 59.3 88.9



#50
 Toluene-d8
 Concen: 50.010 ug/l
 RT: 7.55 min Scan# 2008
 Delta R.T. -0.00 min
 Lab File: VU034052.D
 Acq: 29 Aug 2019 11:19

Tgt Ion: 98 Resp: 832583
 Ion Ratio Lower Upper
 98 100
 100 63.7 50.3 75.5





#51

4-Methyl-2-Pentanone

Concen: 245.598 ug/l

RT: 7.44 min Scan# 1975

Delta R.T. -0.00 min

Lab File: VU034052.D

Acq: 29 Aug 2019 11:19

Instrument :

MSVOA_U

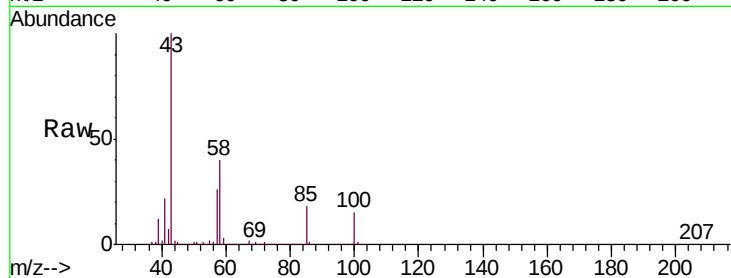
ClientSampled :

Tot Ion: 43 Resp: 1752058

Ion Ratio Lower Upper

43 100

58 40.3 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

1000000

800000

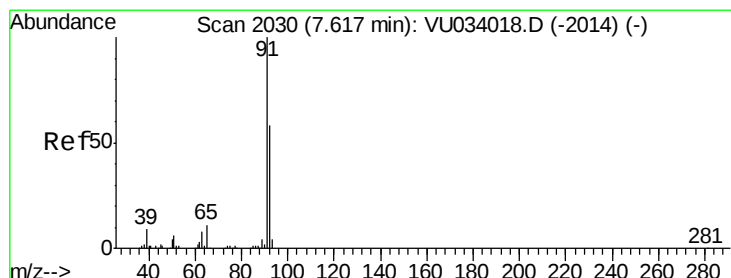
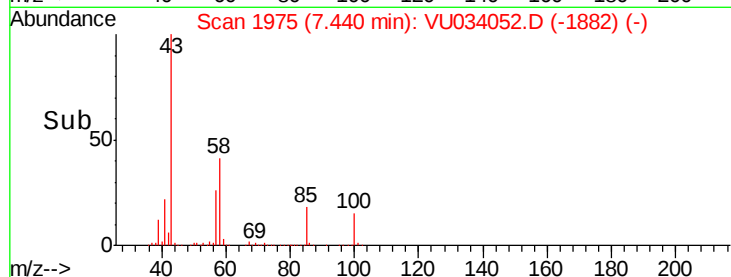
600000

400000

200000

0

Time-->



#52

Toluene

Concen: 51.545 ug/l

RT: 7.62 min Scan# 2030

Delta R.T. -0.00 min

Lab File: VU034052.D

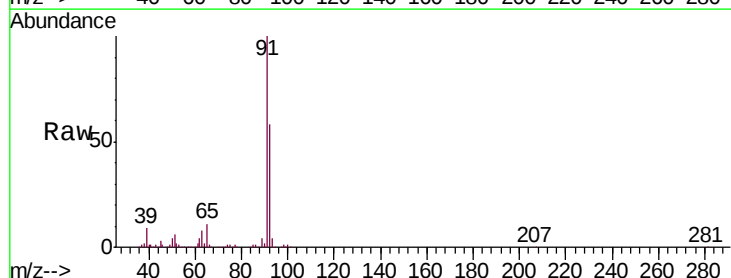
Acq: 29 Aug 2019 11:19

Tgt Ion: 92 Resp: 582509

Ion Ratio Lower Upper

92 100

91 173.3 138.3 207.5



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

600000

500000

400000

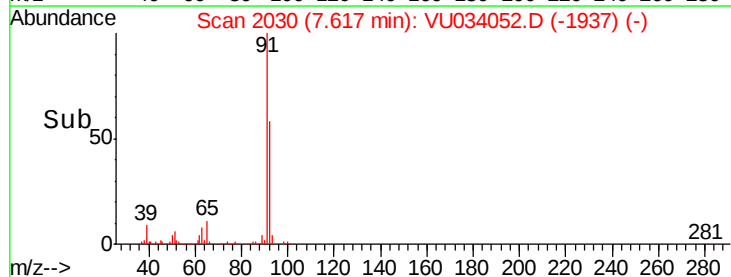
300000

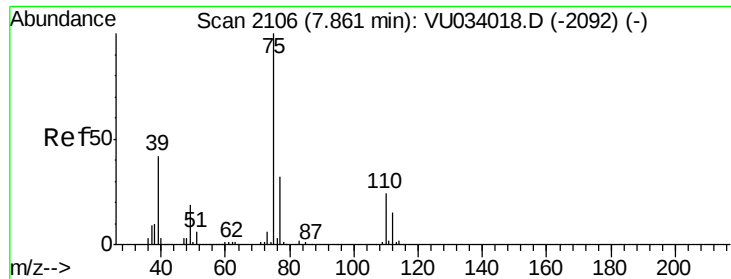
200000

100000

0

Time-->





#53

t-1,3-Dichloropropene

Concen: 50.325 ug/l

RT: 7.86 min Scan# 2106

Delta R.T. -0.00 min

Lab File: VU034052.D

Acq: 29 Aug 2019 11:19

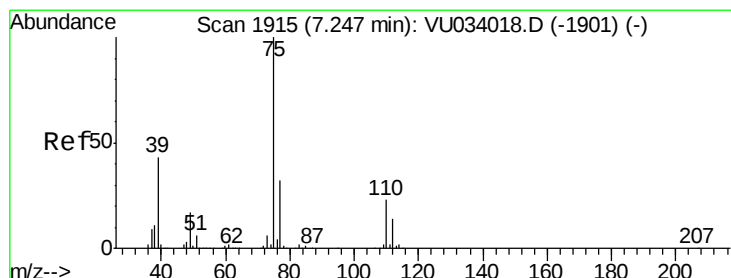
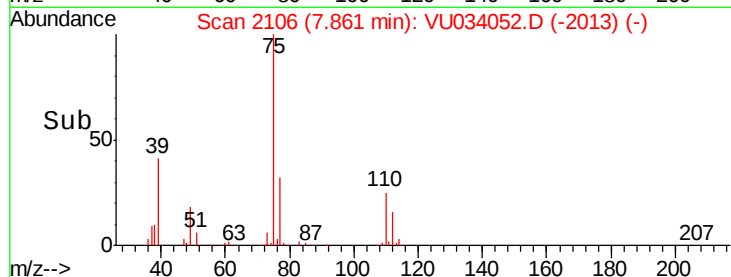
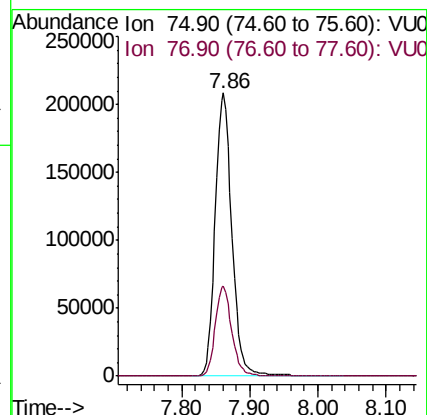
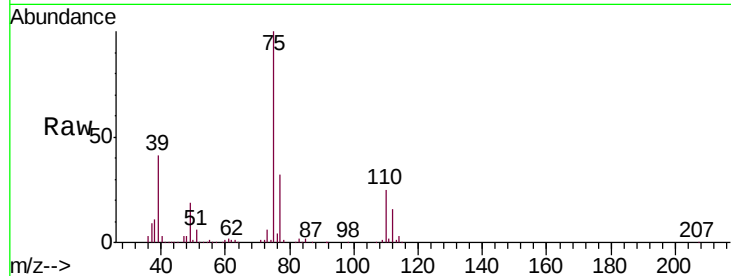
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 75 Resp: 355443

Ion Ratio Lower Upper

75 100

77 31.9 25.4 38.0



#54

cis-1,3-Dichloropropene

Concen: 51.395 ug/l

RT: 7.25 min Scan# 1916

Delta R.T. 0.00 min

Lab File: VU034052.D

Acq: 29 Aug 2019 11:19

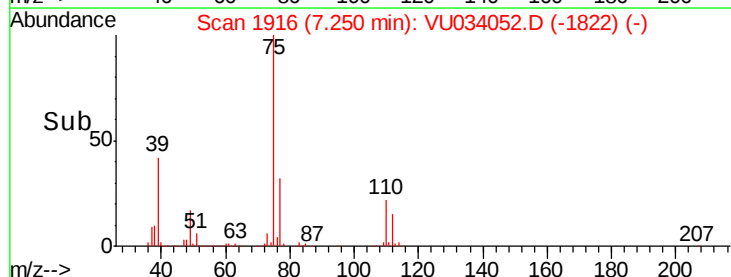
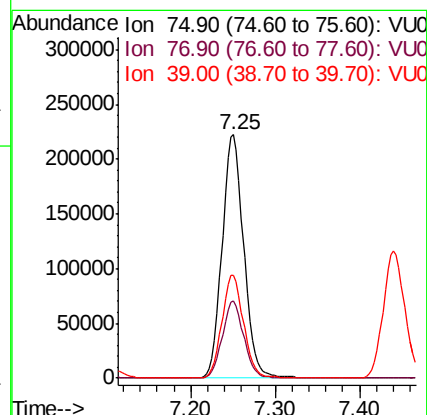
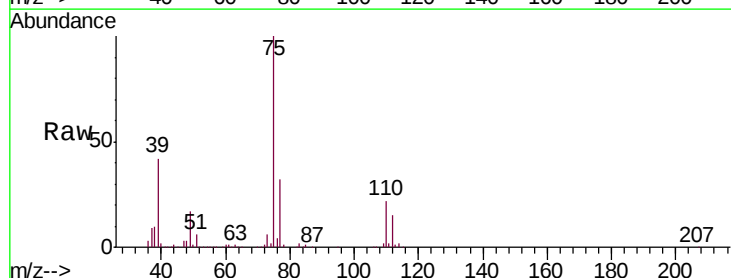
Tgt Ion: 75 Resp: 396582

Ion Ratio Lower Upper

75 100

77 31.7 25.2 37.8

39 42.4 34.6 51.8





#55

1,1,2-Trichloroethane

Concen: 48.937 ug/l

RT: 8.05 min Scan# 2164

Delta R.T. -0.00 min

Lab File: VU034052.D

Acq: 29 Aug 2019 11:19

Instrument :

MSVOA_U

ClientSampleId :

Tot Ion: 97 Resp: 233929

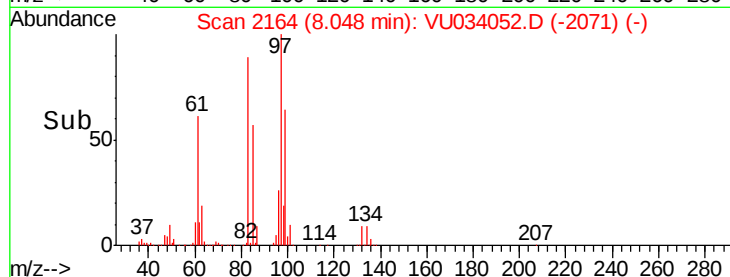
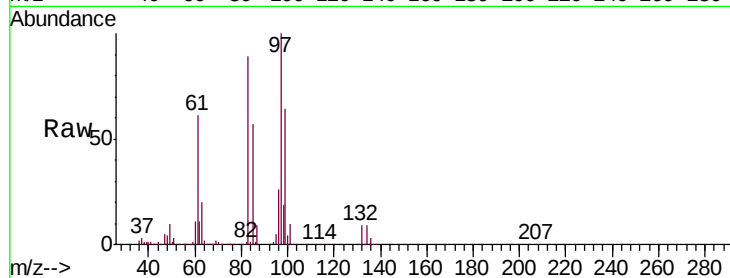
Ion	Ratio	Lower	Upper
97	100		
83	88.8	70.1	105.1
85	57.1	45.0	67.4
99	63.6	49.8	74.8

97 100

83 88.8 70.1 105.1

85 57.1 45.0 67.4

99 63.6 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

8.05

200000

150000

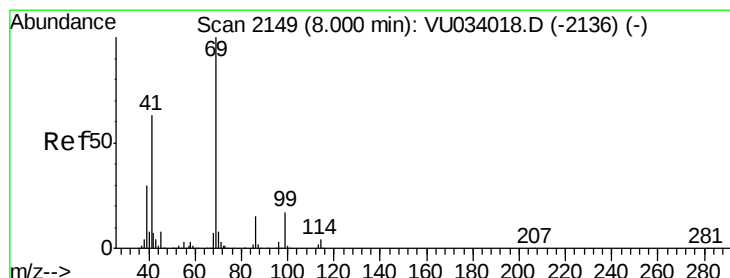
100000

50000

0

8.00 8.10

Time-->



#56

Ethyl methacrylate

Concen: 44.276 ug/l

RT: 8.00 min Scan# 2149

Delta R.T. 0.00 min

Lab File: VU034052.D

Acq: 29 Aug 2019 11:19

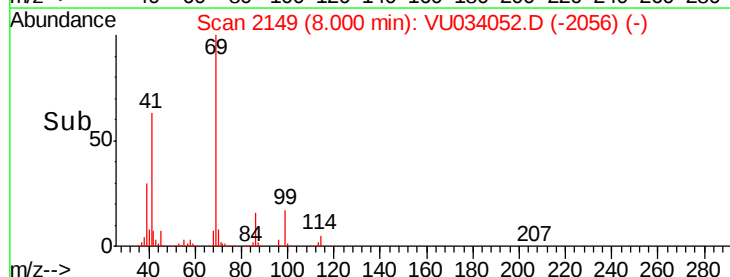
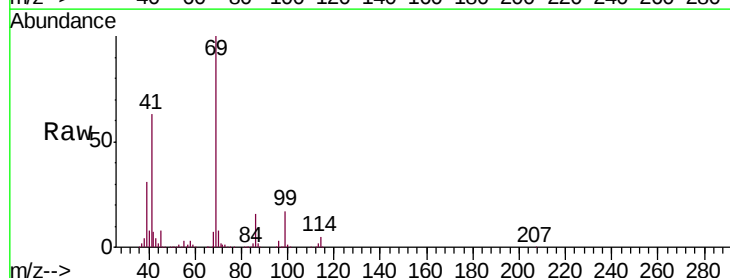
Tgt Ion: 69 Resp: 350164

Ion	Ratio	Lower	Upper
69	100		
41	63.8	50.7	76.1
39	30.3	24.2	36.2

69 100

41 63.8 50.7 76.1

39 30.3 24.2 36.2



Abundance

Ion 69.00 (68.70 to 69.70): VU0

Ion 41.00 (40.70 to 41.70): VU0

Ion 39.00 (38.70 to 39.70): VU0

8.00

300000

250000

200000

150000

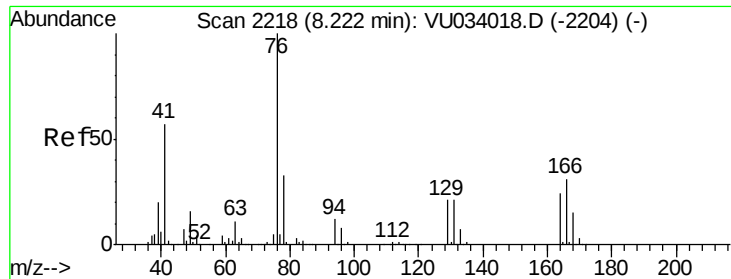
100000

50000

0

7.90 8.00 8.10

Time-->



#57

1,3-Dichloropropane

Concen: 49.942 ug/l

RT: 8.22 min Scan# 2218

Delta R.T. -0.00 min

Lab File: VU034052.D

Acq: 29 Aug 2019 11:19

Instrument :

MSVOA_U

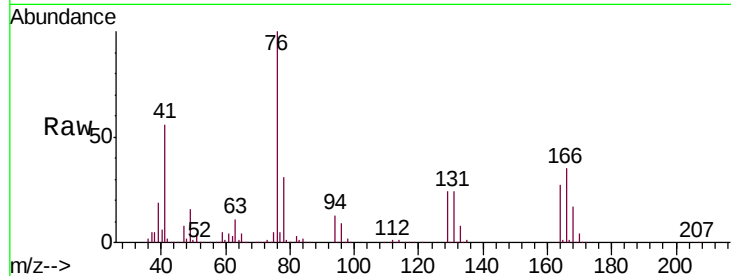
ClientSampled :

Tot Ion: 76 Resp: 405355

Ion Ratio Lower Upper

76 100

78 31.8 26.2 39.4



Abundance Ion 75.90 (75.60 to 76.60): VU034018.D (-2204) (-)

Ion 77.90 (77.60 to 78.60): VU034018.D (-2204) (-)

8.22

250000

200000

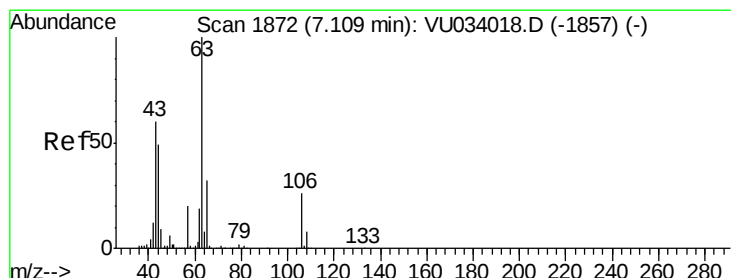
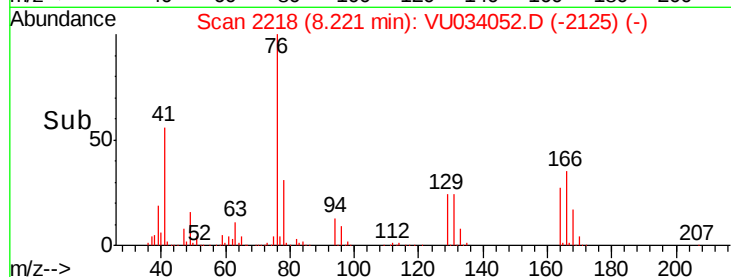
150000

100000

50000

0

Time--> 8.10 8.20 8.30



#58

2-Chloroethyl Vinyl ether

Concen: 268.262 ug/l

RT: 7.11 min Scan# 1872

Delta R.T. -0.00 min

Lab File: VU034052.D

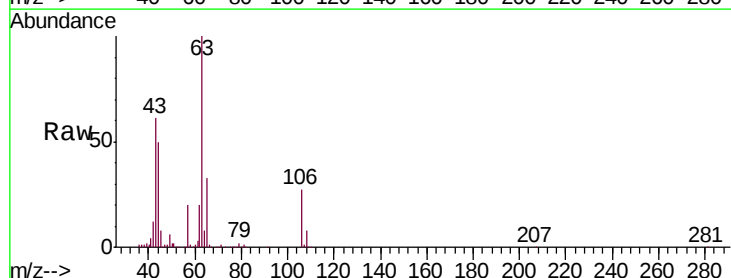
Acq: 29 Aug 2019 11:19

Tgt Ion: 63 Resp: 709431

Ion Ratio Lower Upper

63 100

106 26.4 20.7 31.1



Abundance Ion 62.90 (62.60 to 63.60): VU034018.D (-1857) (-)

Ion 105.90 (105.60 to 106.60): VU034018.D (-1857) (-)

7.11

500000

400000

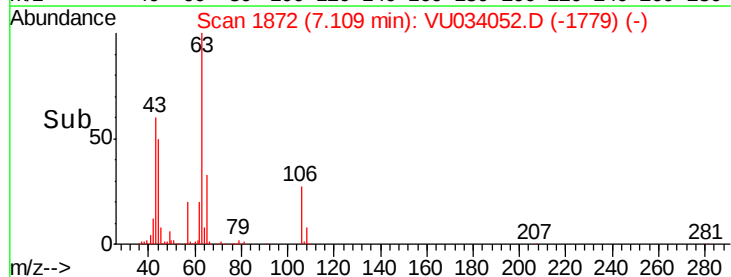
300000

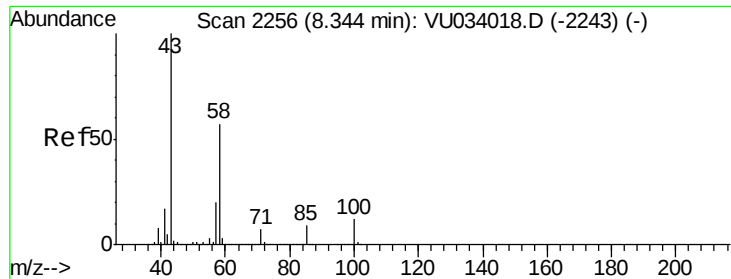
200000

100000

0

Time--> 7.00 7.10 7.20

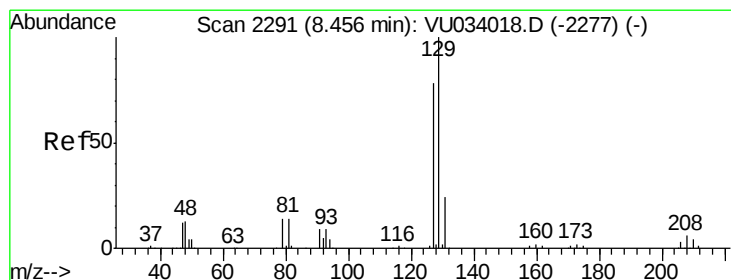
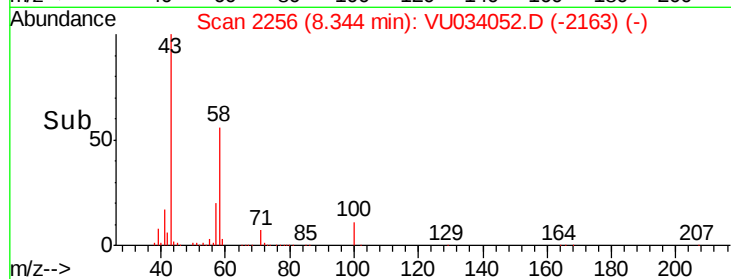
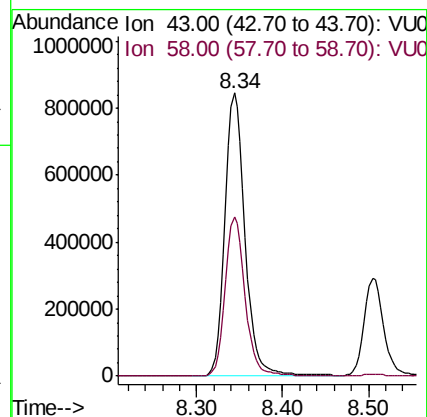
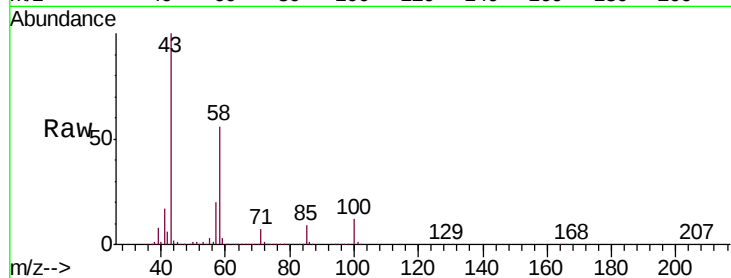




#59
2-Hexanone
Concen: 255.938 ug/l
RT: 8.34 min Scan# 2256
Delta R.T. -0.00 min
Lab File: VU034052.D
Acq: 29 Aug 2019 11:19

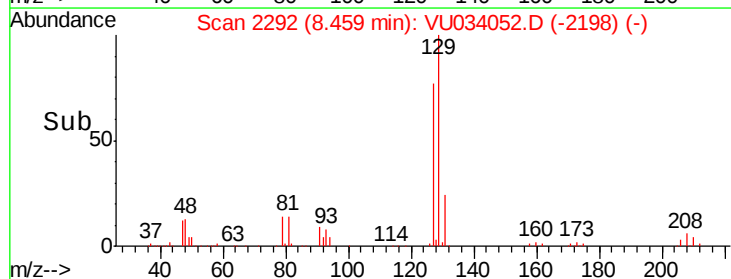
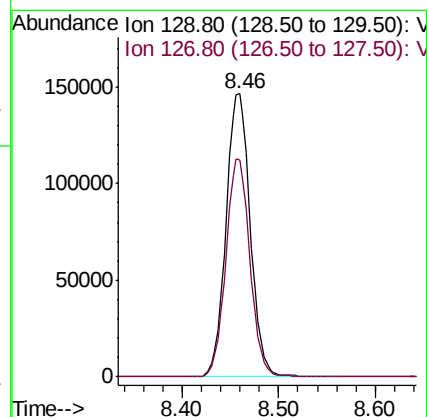
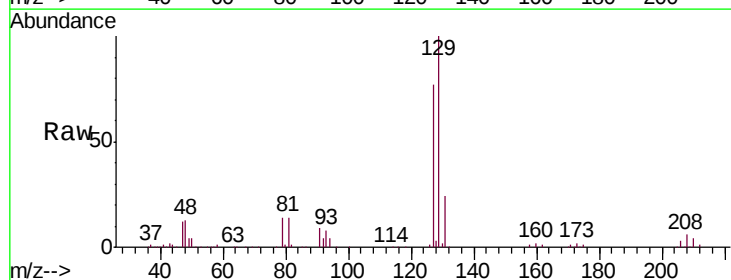
Instrument :
MSVOA_U
ClientSampleId :

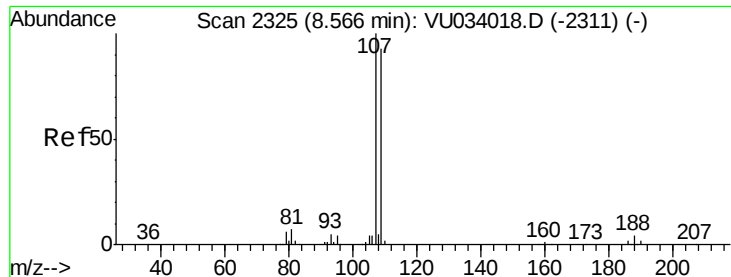
Tot Ion: 43 Resp: 1378333
Ion Ratio Lower Upper
43 100
58 56.2 28.4 85.3



#60
Dibromochloromethane
Concen: 49.599 ug/l
RT: 8.46 min Scan# 2292
Delta R.T. 0.00 min
Lab File: VU034052.D
Acq: 29 Aug 2019 11:19

Tgt Ion: 129 Resp: 254506
Ion Ratio Lower Upper
129 100
127 76.3 39.0 116.9

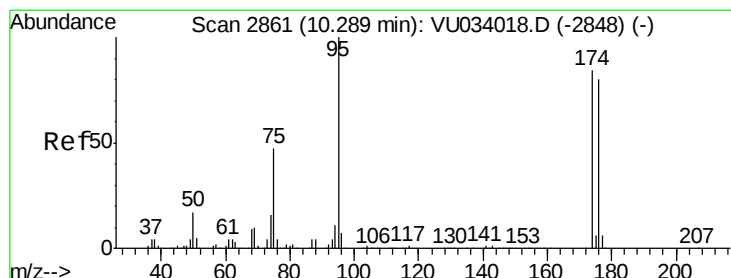
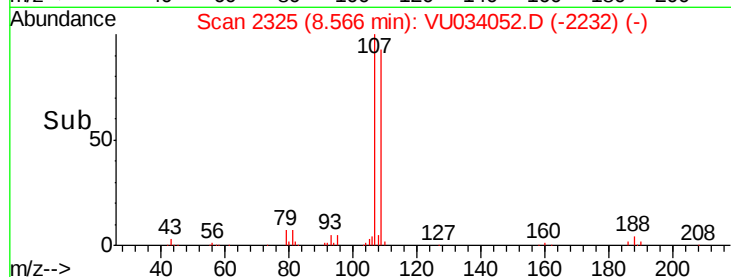
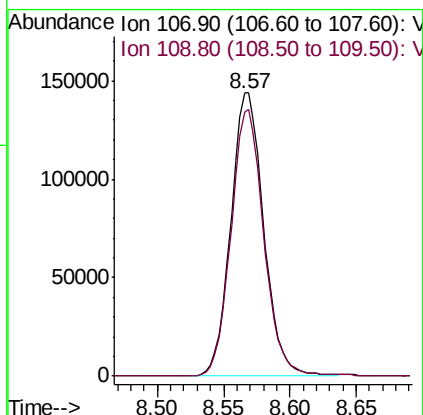
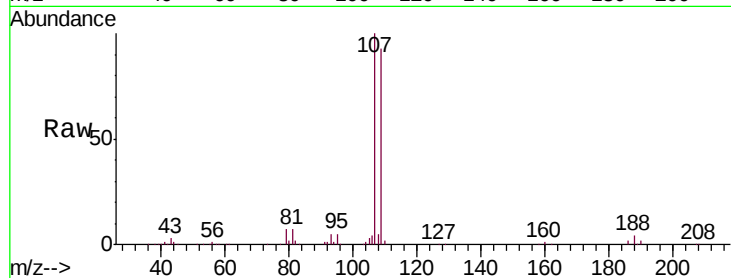




#61
 1,2-Dibromoethane
 Concen: 49.171 ug/l
 RT: 8.57 min Scan# 2325
 Delta R.T. -0.00 min
 Lab File: VU034052.D
 Acq: 29 Aug 2019 11:19

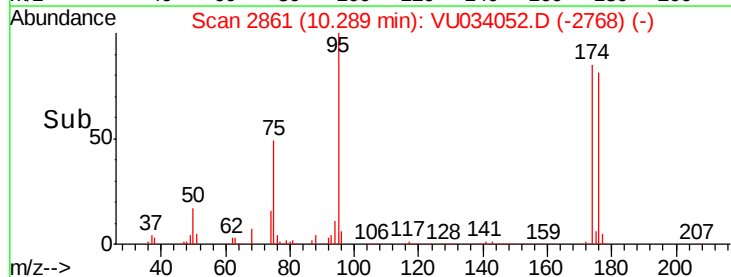
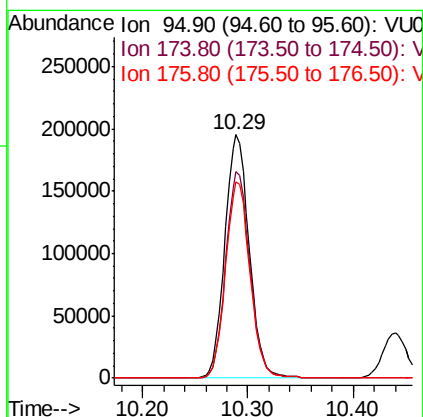
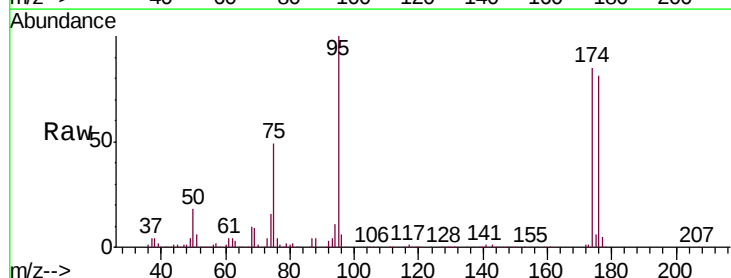
Instrument :
 MSVOA_U
 ClientSampleId :

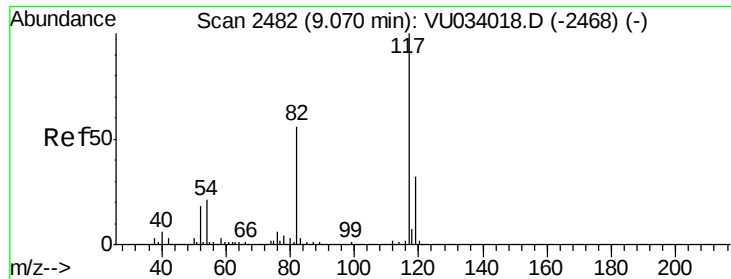
Tot Ion:107 Resp: 247601
 Ion Ratio Lower Upper
 107 100
 109 94.6 75.2 112.8



#62
 4-Bromofluorobenzene
 Concen: 48.154 ug/l
 RT: 10.29 min Scan# 2861
 Delta R.T. -0.00 min
 Lab File: VU034052.D
 Acq: 29 Aug 2019 11:19

Tgt Ion: 95 Resp: 311844
 Ion Ratio Lower Upper
 95 100
 174 84.8 0.0 168.8
 176 80.6 0.0 161.8

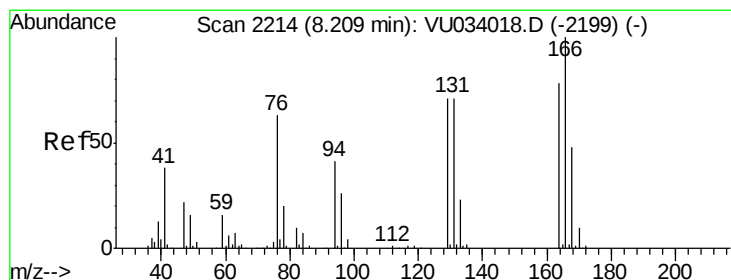
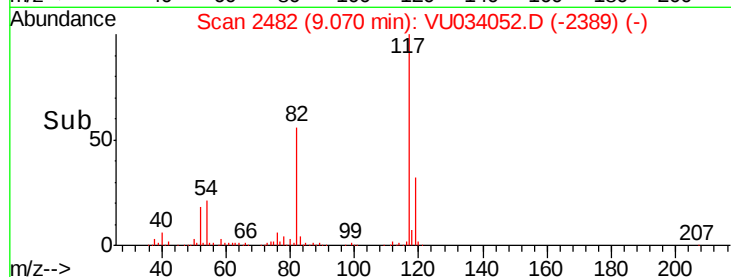
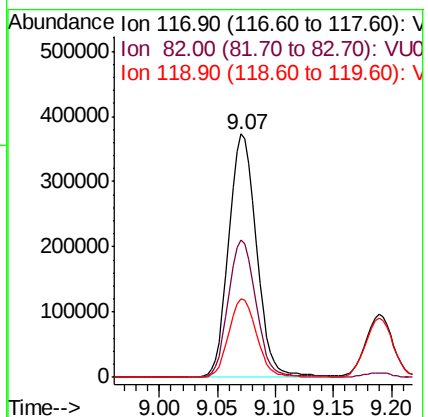
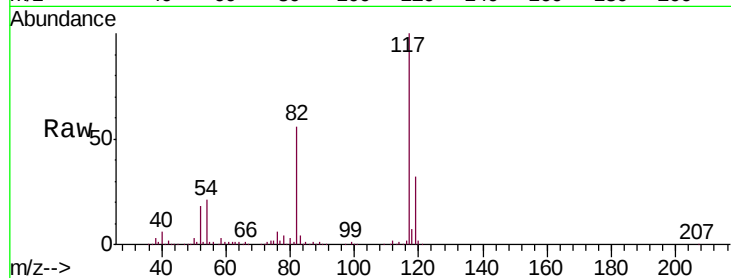




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.07 min Scan# 2482
Delta R.T. -0.00 min
Lab File: VU034052.D
Acq: 29 Aug 2019 11:19

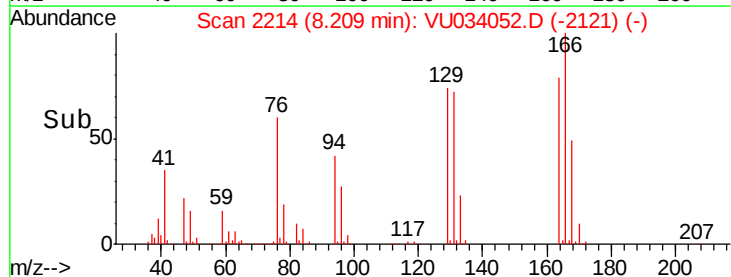
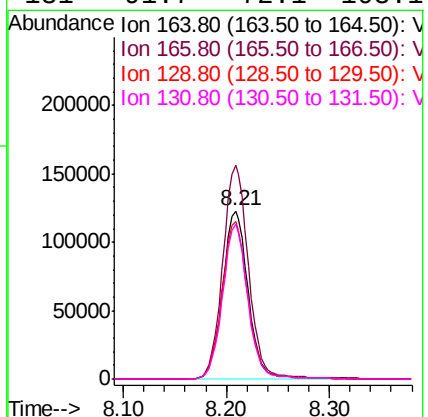
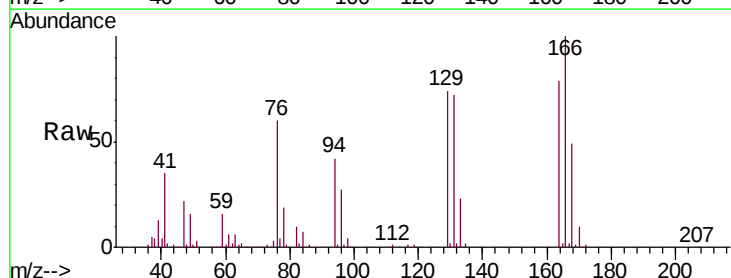
Instrument :
MSVOA_U
ClientSampleId :

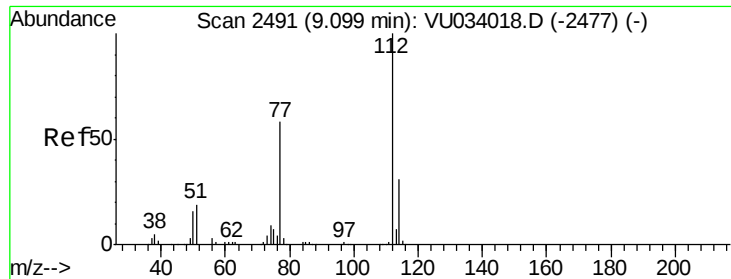
Tot Ion:117 Resp: 619767
Ion Ratio Lower Upper
117 100
82 56.5 45.1 67.7
119 32.3 25.4 38.0



#64
Tetrachloroethene
Concen: 51.141 ug/l
RT: 8.21 min Scan# 2214
Delta R.T. -0.00 min
Lab File: VU034052.D
Acq: 29 Aug 2019 11:19

Tgt Ion:164 Resp: 212856
Ion Ratio Lower Upper
164 100
166 127.0 102.2 153.2
129 93.8 72.4 108.6
131 91.7 72.1 108.1





#65

Chlorobenzene

Concen: 49.792 ug/l

RT: 9.10 min Scan# 2491

Delta R.T. -0.00 min

Lab File: VU034052.D

Acq: 29 Aug 2019 11:19

Instrument :

MSVOA_U

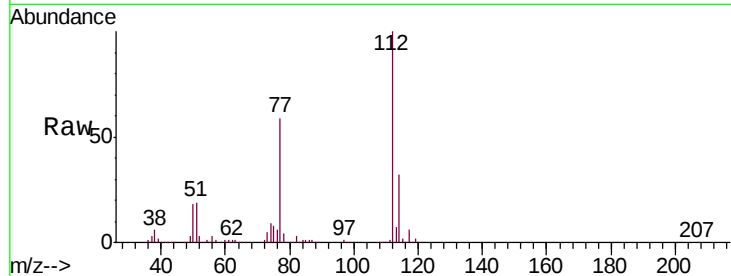
ClientSampleId :

Tot Ion:112 Resp: 635057

Ion Ratio Lower Upper

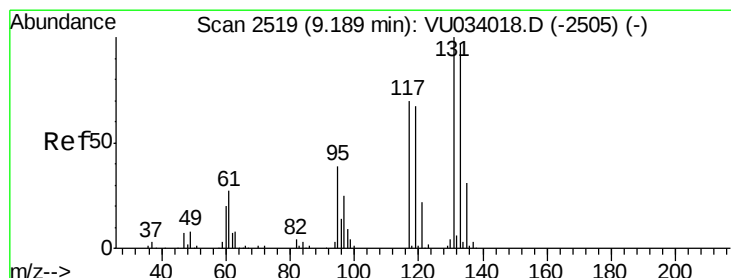
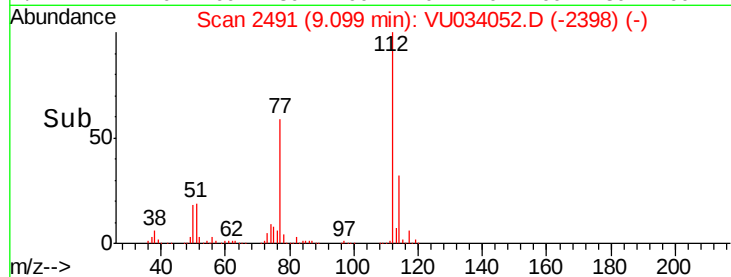
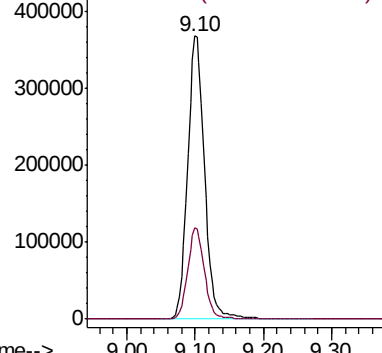
112 100

114 32.1 25.0 37.4



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 48.569 ug/l

RT: 9.19 min Scan# 2519

Delta R.T. -0.00 min

Lab File: VU034052.D

Acq: 29 Aug 2019 11:19

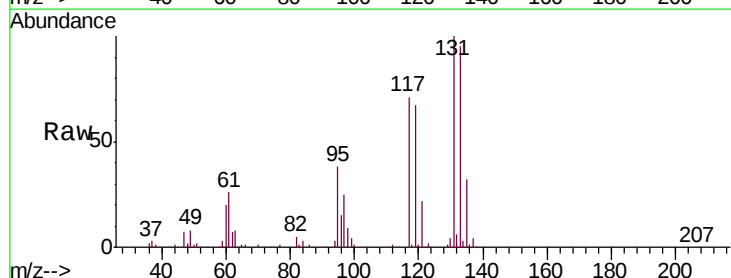
Tgt Ion:131 Resp: 224623

Ion Ratio Lower Upper

131 100

133 95.7 48.4 145.2

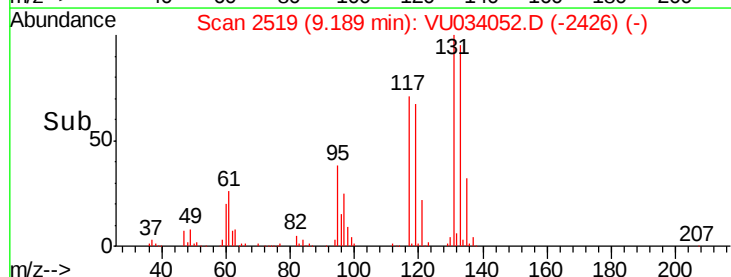
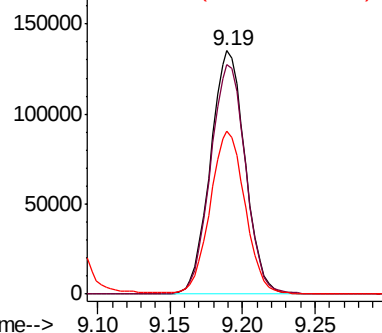
119 67.1 33.6 100.6

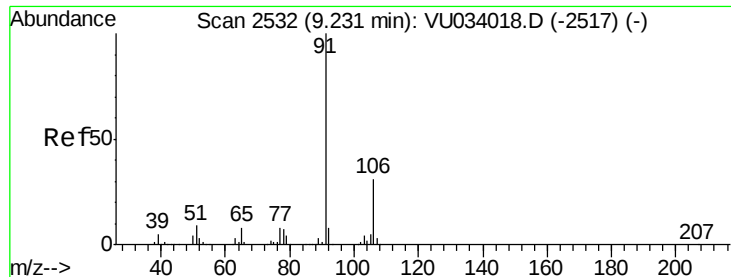


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V

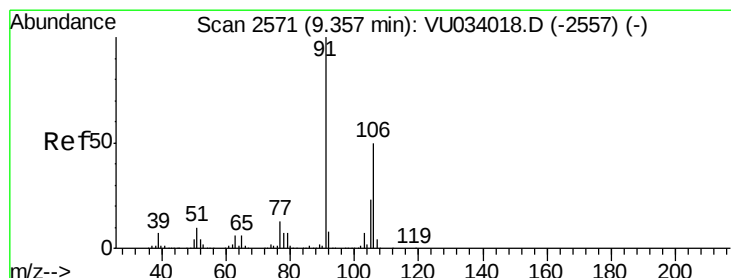
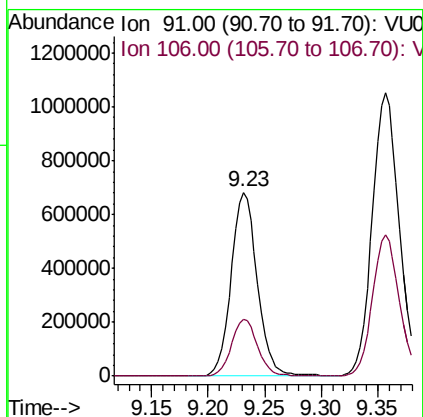
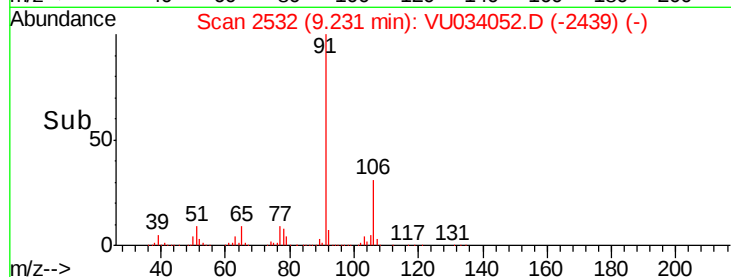
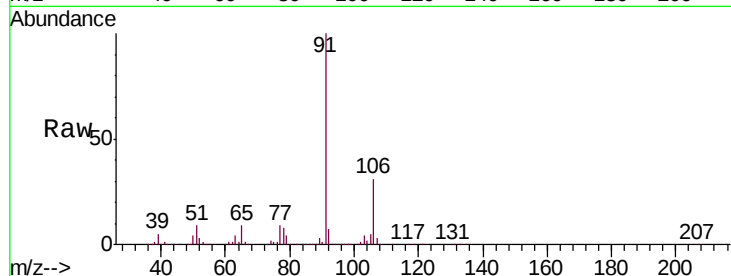




#67
Ethyl Benzene
Concen: 50.926 ug/l
RT: 9.23 min Scan# 2532
Delta R.T. -0.00 min
Lab File: VU034052.D
Acq: 29 Aug 2019 11:19

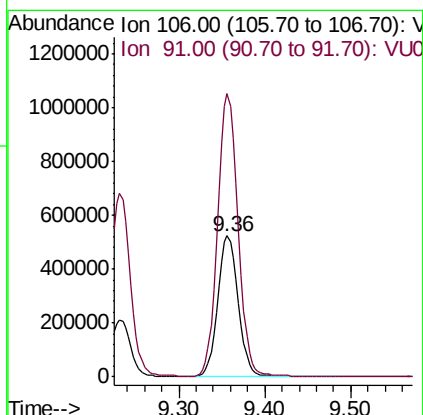
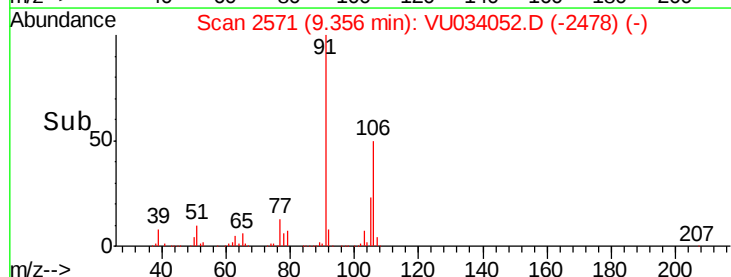
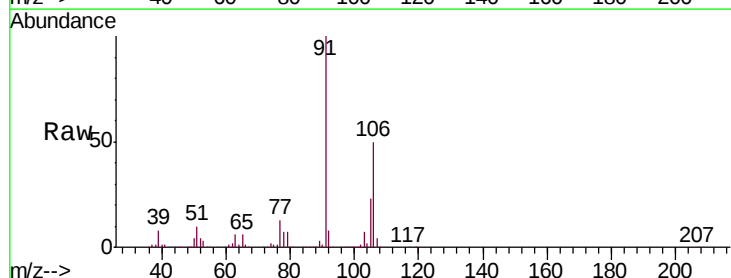
Instrument :
MSVOA_U
ClientSampled :

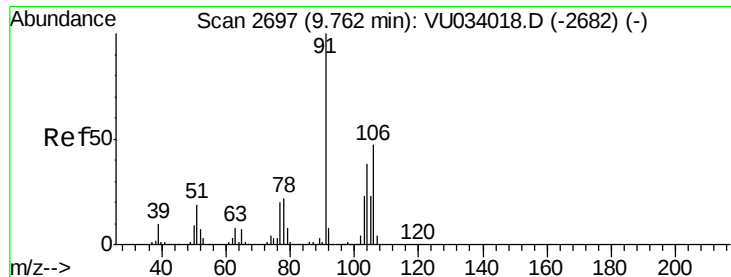
Tot Ion: 91 Resp: 1101017
Ion Ratio Lower Upper
91 100
106 31.1 24.9 37.3



#68
m/p-Xylenes
Concen: 105.576 ug/l
RT: 9.36 min Scan# 2571
Delta R.T. -0.00 min
Lab File: VU034052.D
Acq: 29 Aug 2019 11:19

Tgt Ion: 106 Resp: 867920
Ion Ratio Lower Upper
106 100
91 201.5 161.6 242.4

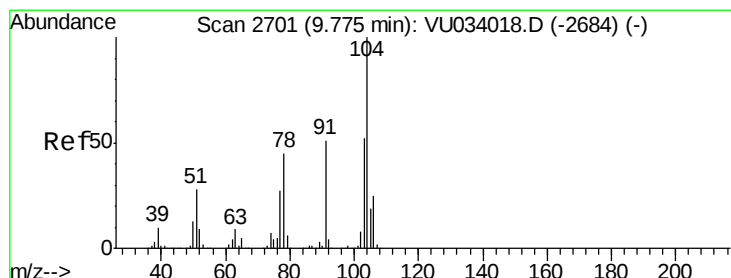
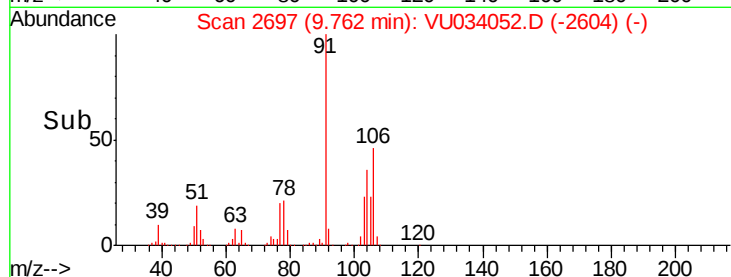
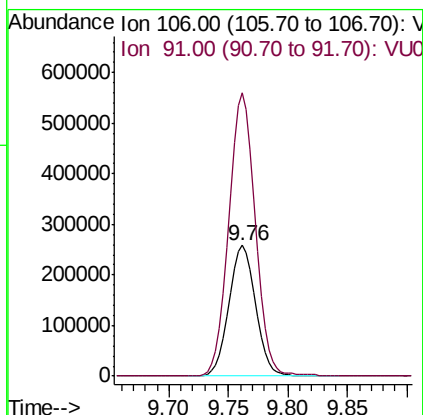
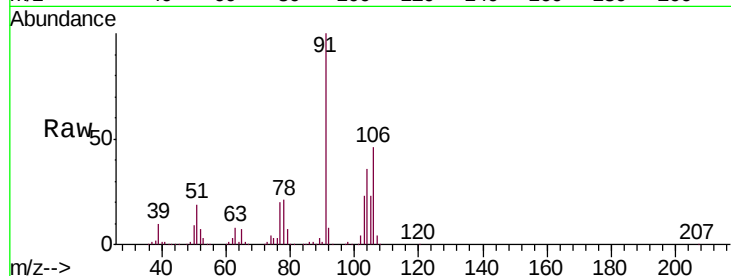




#69
o-Xylene
Concen: 51.317 ug/l
RT: 9.76 min Scan# 2697
Delta R.T. -0.00 min
Lab File: VU034052.D
Acq: 29 Aug 2019 11:19

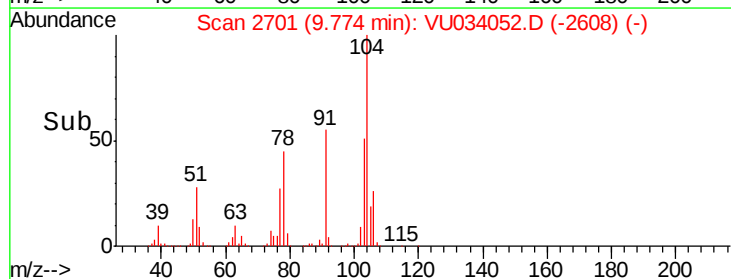
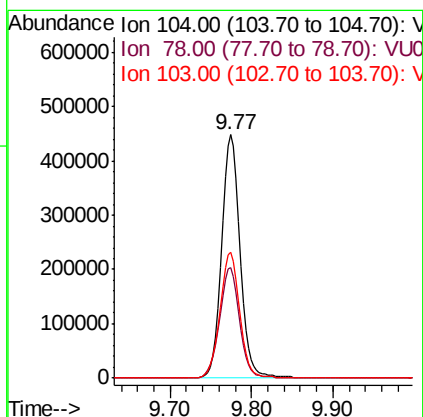
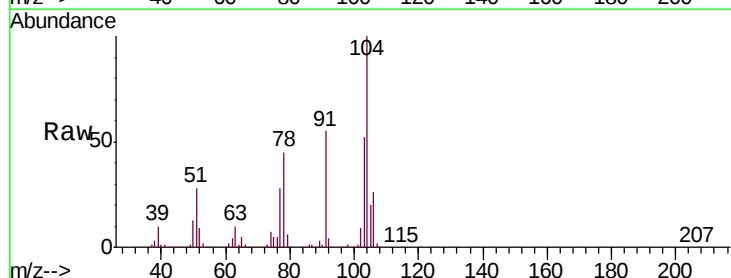
Instrument :
MSVOA_U
ClientSampled :

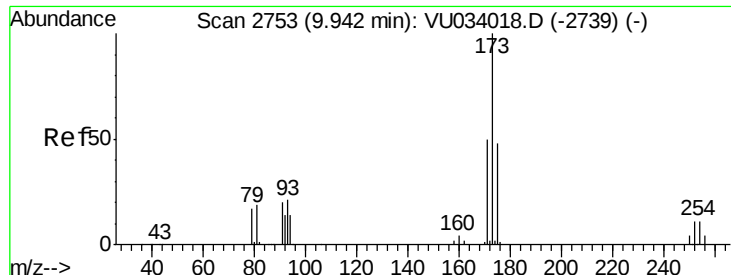
Tot Ion:106 Resp: 404733
Ion Ratio Lower Upper
106 100
91 214.1 106.0 318.0



#70
Styrene
Concen: 53.365 ug/l
RT: 9.77 min Scan# 2701
Delta R.T. -0.00 min
Lab File: VU034052.D
Acq: 29 Aug 2019 11:19

Tgt Ion:104 Resp: 721659
Ion Ratio Lower Upper
104 100
78 49.1 39.0 58.4
103 55.2 44.0 66.0





#71

Bromoform

Concen: 48.118 ug/l

RT: 9.94 min Scan# 2752

Delta R.T. -0.00 min

Lab File: VU034052.D

Acq: 29 Aug 2019 11:19

Instrument :
MSVOA_U
ClientSampleId :

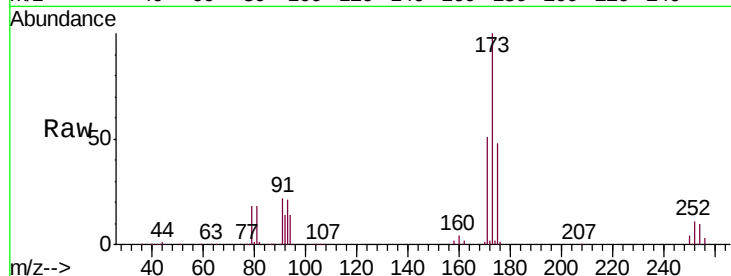
Tot Ion:173 Resp: 193348

Ion Ratio Lower Upper

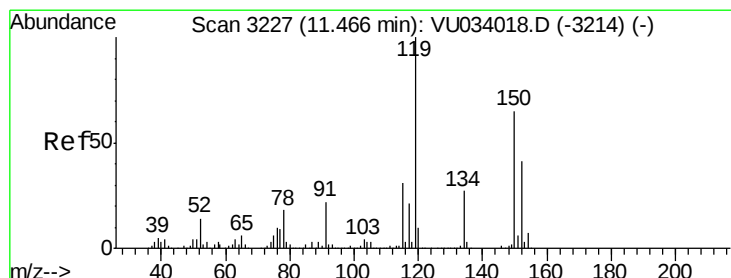
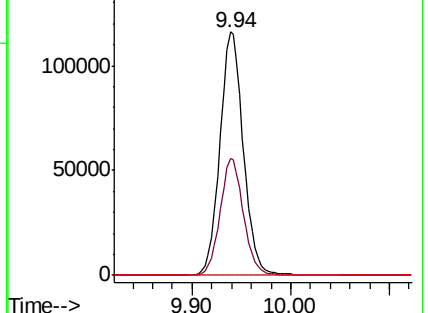
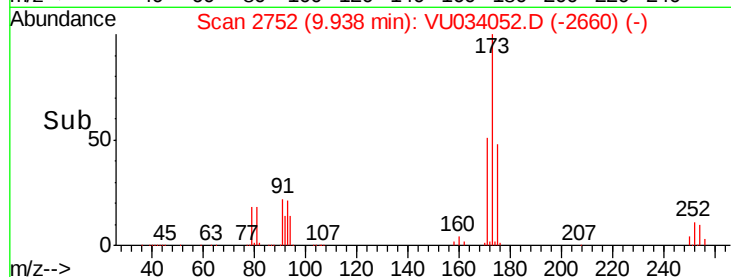
173 100

175 47.7 24.6 73.6

254 0.0 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: 11.47 min Scan# 3227

Delta R.T. -0.00 min

Lab File: VU034052.D

Acq: 29 Aug 2019 11:19

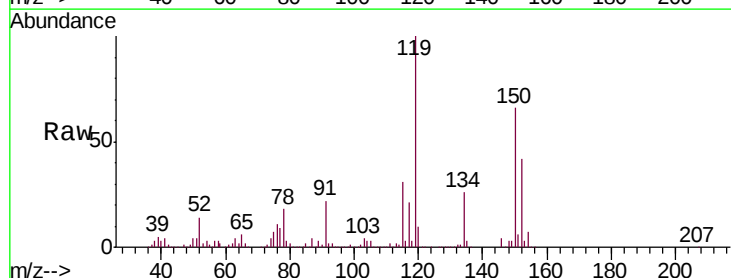
Tgt Ion:152 Resp: 350526

Ion Ratio Lower Upper

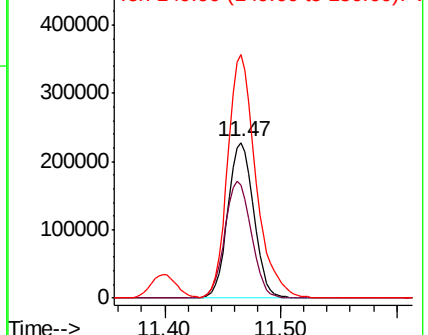
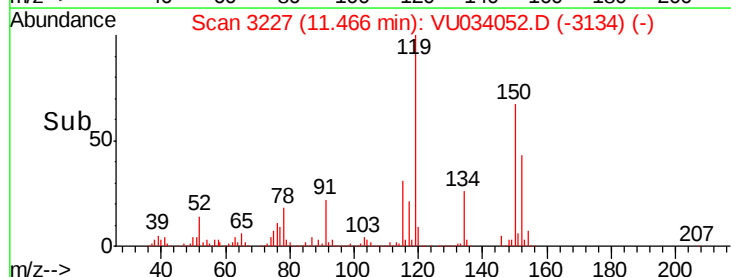
152 100

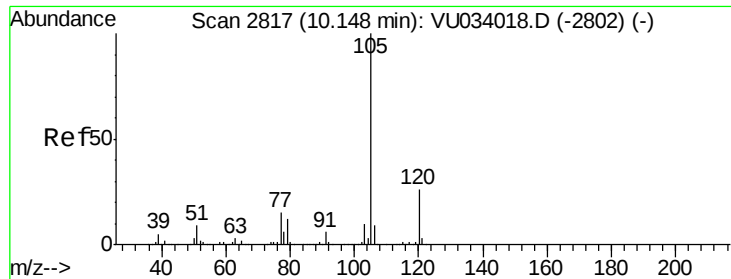
115 77.9 41.1 123.3

150 170.6 0.0 348.8



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





#73

Isopropylbenzene

Concen: 47.095 ug/l

RT: 10.15 min Scan# 2817

Delta R.T. -0.00 min

Lab File: VU034052.D

Acq: 29 Aug 2019 11:19

Instrument :

MSVOA_U

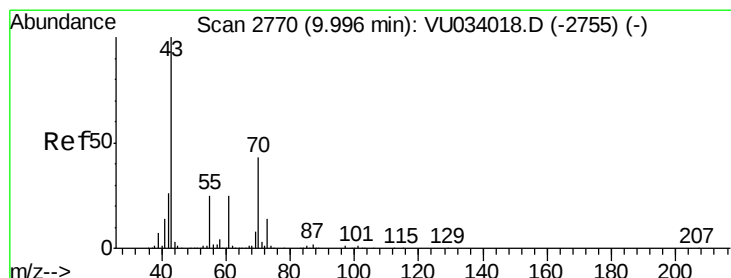
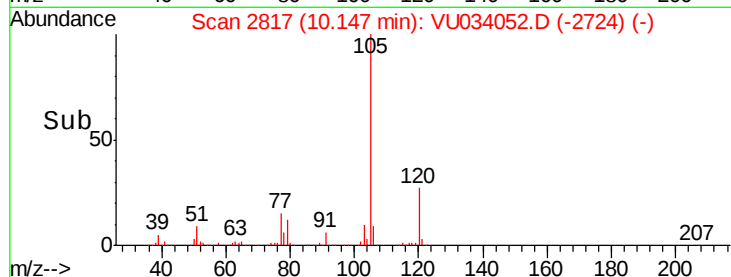
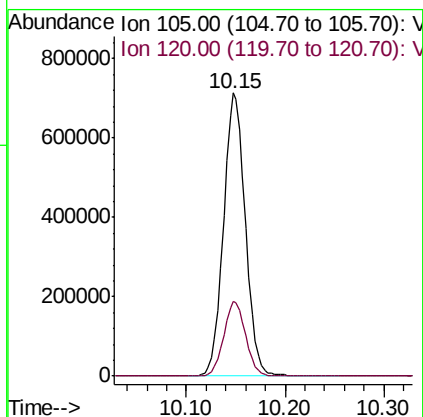
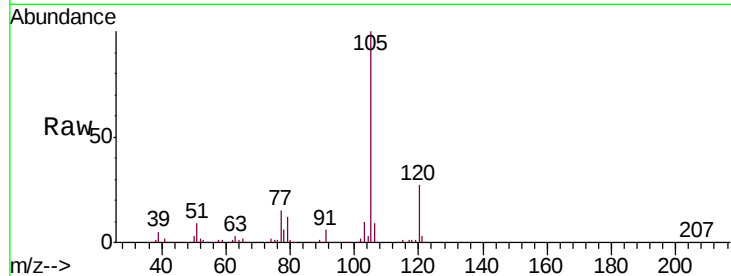
ClientSampleId :

Tot Ion:105 Resp: 1108825

Ion Ratio Lower Upper

105 100

120 26.4 13.3 39.8



#74

N-ethyl acetate

Concen: 46.936 ug/l

RT: 10.00 min Scan# 2770

Delta R.T. -0.00 min

Lab File: VU034052.D

Acq: 29 Aug 2019 11:19

Tgt Ion: 43 Resp: 464790

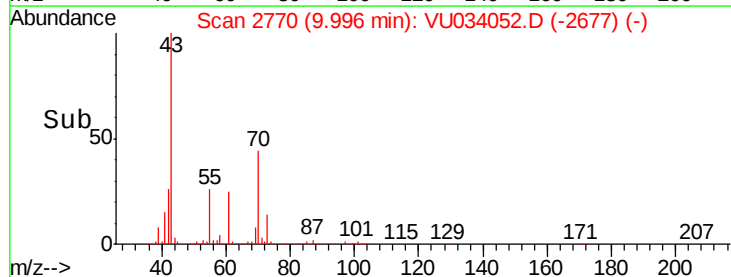
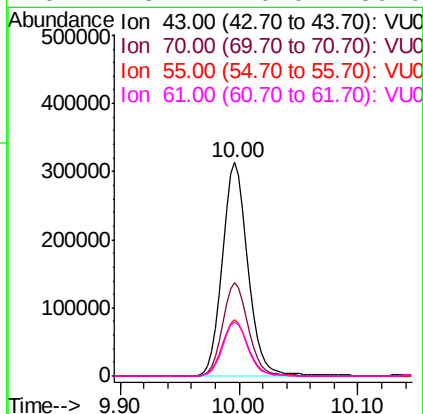
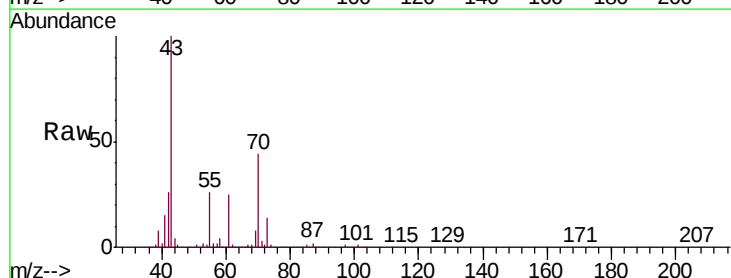
Ion Ratio Lower Upper

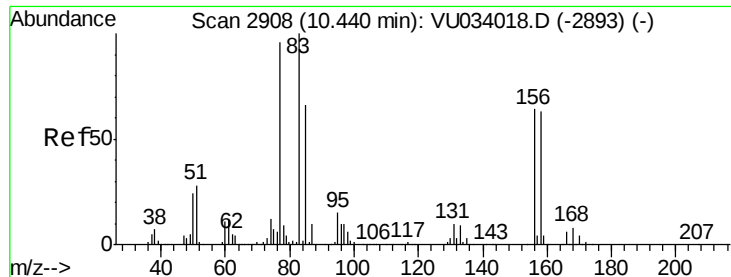
43 100

70 44.0 35.2 52.8

55 26.5 20.5 30.7

61 25.1 20.0 30.0





#75

1,1,2,2-Tetrachloroethane

Concen: 43.967 ug/l

RT: 10.44 min Scan# 2908

Delta R.T. -0.00 min

Lab File: VU034052.D

Acq: 29 Aug 2019 11:19

Instrument :

MSVOA_U

ClientSampleId :

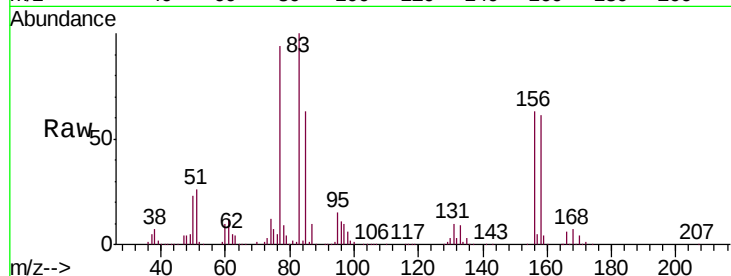
Tot Ion: 83 Resp: 396213

Ion Ratio Lower Upper

83 100

131 9.7 5.0 14.9

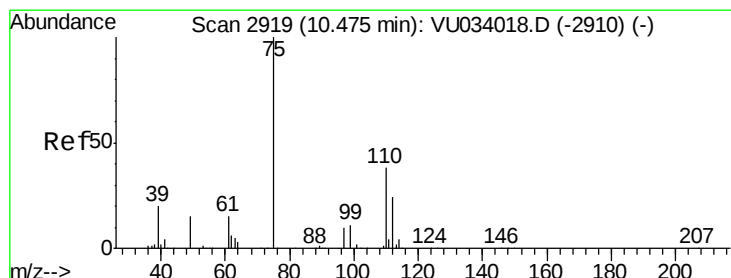
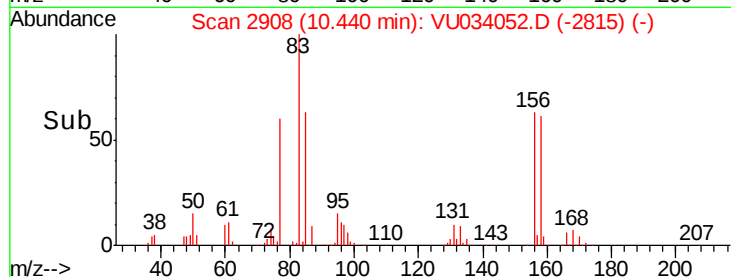
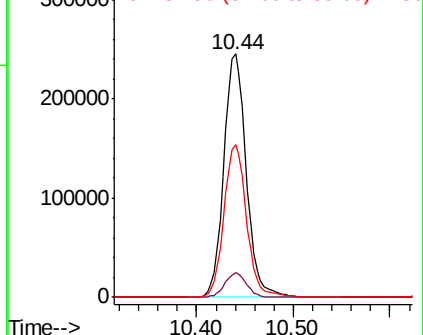
85 63.3 32.2 96.6



Abundance Ion 82.90 (82.60 to 83.60): VU0

Ion 130.80 (130.50 to 131.50): VU0

Ion 84.90 (84.60 to 85.60): VU0



#76

1,2,3-Trichloropropane

Concen: 55.807 ug/l

RT: 10.48 min Scan# 2919

Delta R.T. -0.00 min

Lab File: VU034052.D

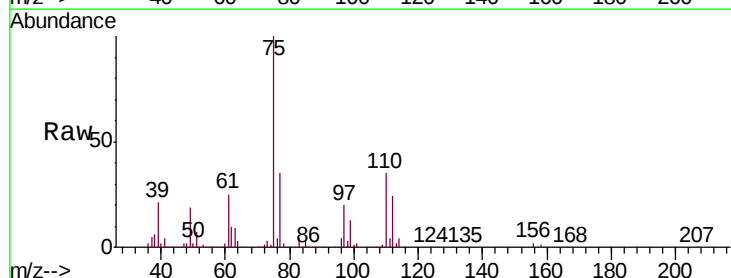
Acq: 29 Aug 2019 11:19

Tgt Ion: 75 Resp: 440891

Ion Ratio Lower Upper

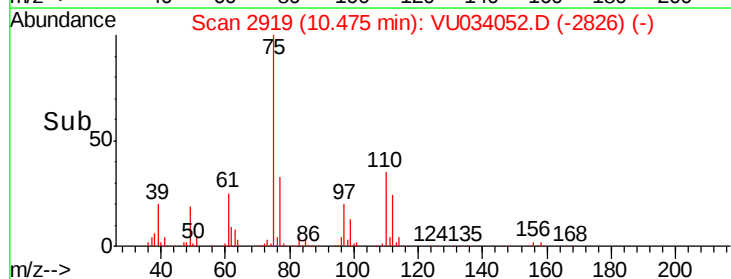
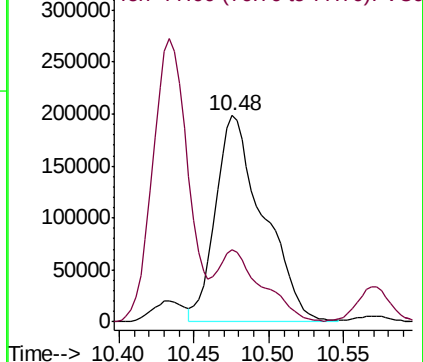
75 100

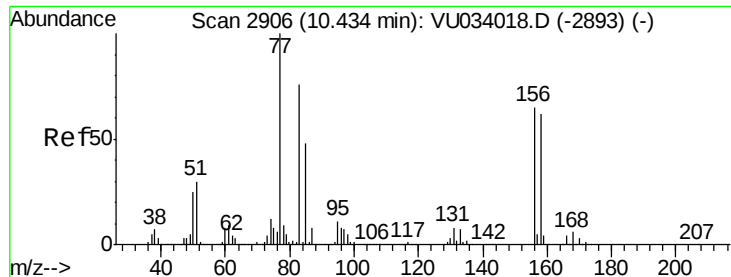
77 31.0 20.1 60.2



Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 77.00 (76.70 to 77.70): VU0





#77

Bromobenzene

Concen: 45.564 ug/l

RT: 10.43 min Scan# 2906

Delta R.T. -0.00 min

Lab File: VU034052.D

Acq: 29 Aug 2019 11:19

Instrument :

MSVOA_U

ClientSampleId :

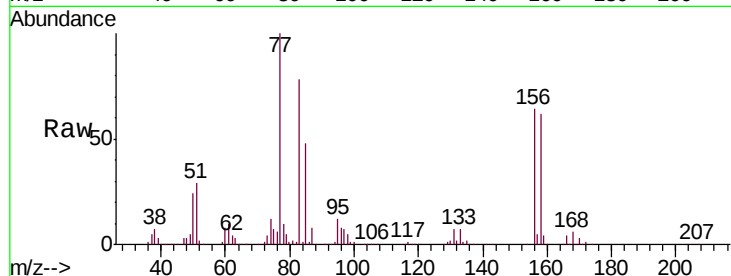
Tot Ion:156 Resp: 288580

Ion Ratio Lower Upper

156 100

77 154.1 76.8 230.5

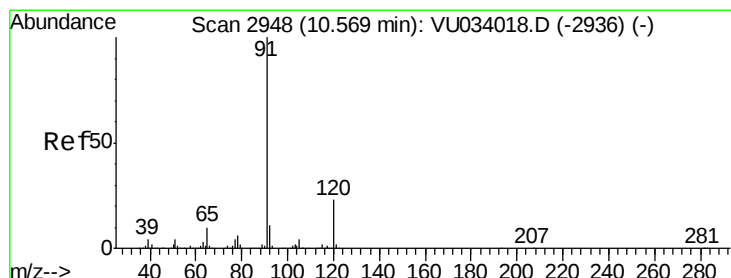
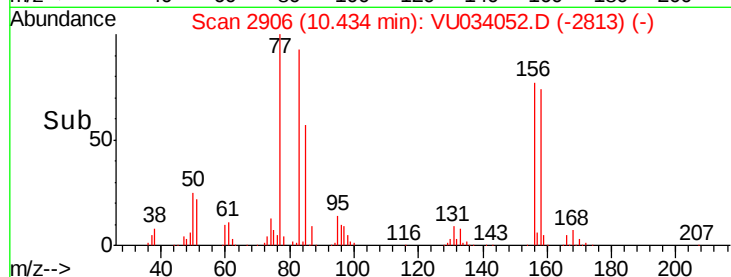
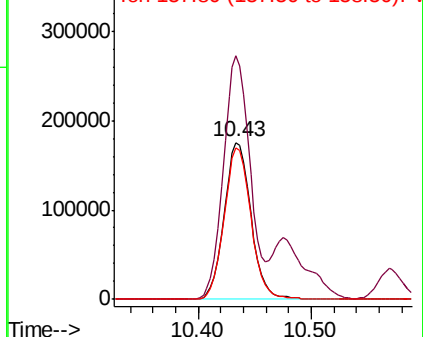
158 96.9 48.4 145.0



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VU0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 48.408 ug/l

RT: 10.57 min Scan# 2948

Delta R.T. -0.00 min

Lab File: VU034052.D

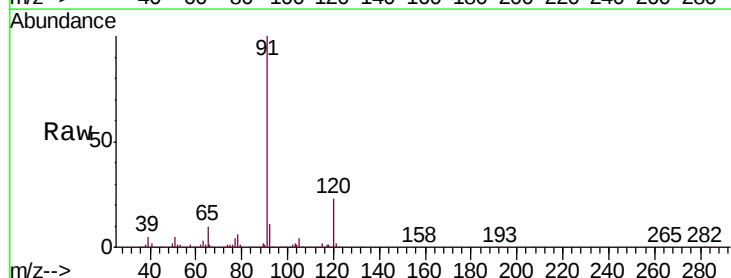
Acq: 29 Aug 2019 11:19

Tgt Ion: 91 Resp: 1327338

Ion Ratio Lower Upper

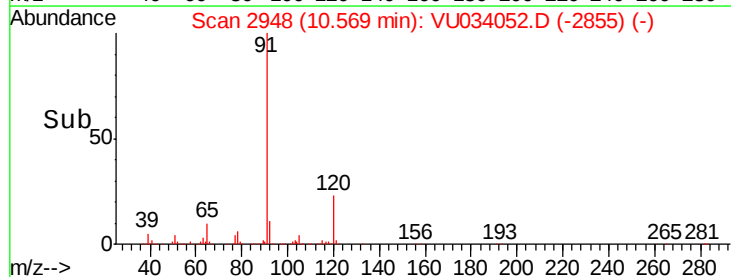
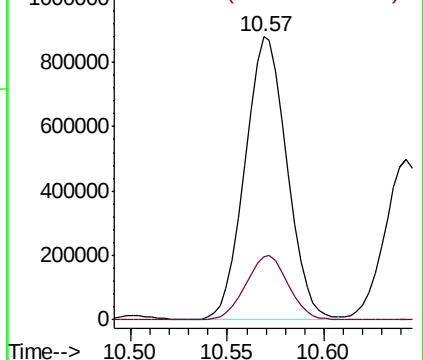
91 100

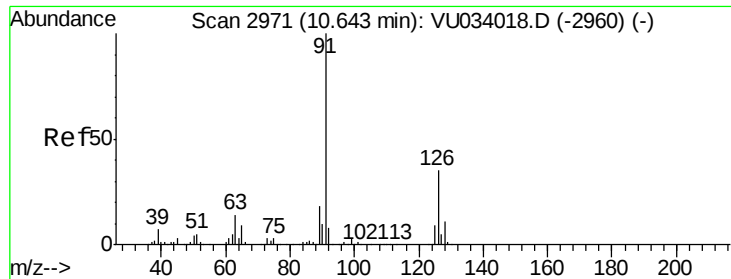
120 23.0 11.7 35.0



Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 47.377 ug/l

RT: 10.64 min Scan# 2971

Delta R.T. -0.00 min

Lab File: VU034052.D

Acq: 29 Aug 2019 11:19

Instrument :

MSVOA_U

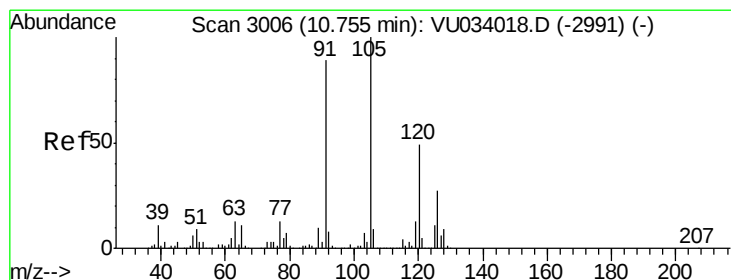
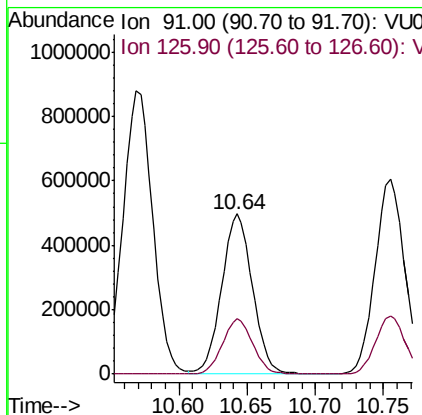
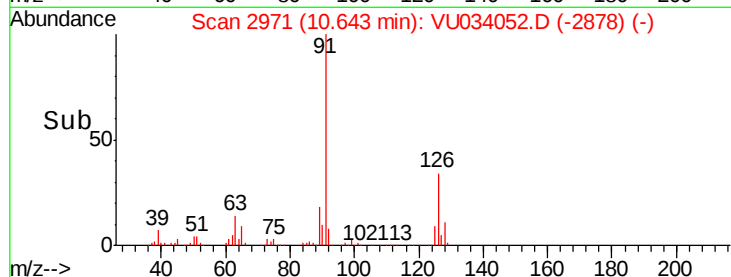
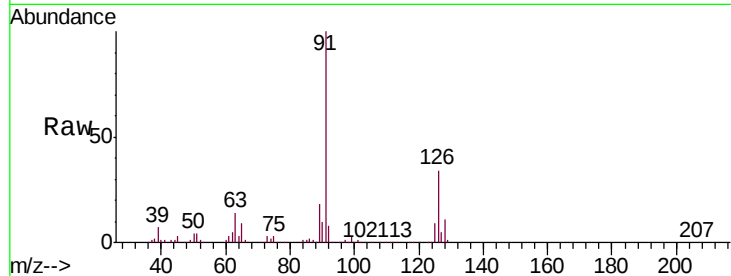
ClientSampled :

Tot Ion: 91 Resp: 779203

Ion Ratio Lower Upper

91 100

126 34.1 17.1 51.2



#80

1,3,5-Trimethylbenzene

Concen: 49.565 ug/l

RT: 10.76 min Scan# 3006

Delta R.T. -0.00 min

Lab File: VU034052.D

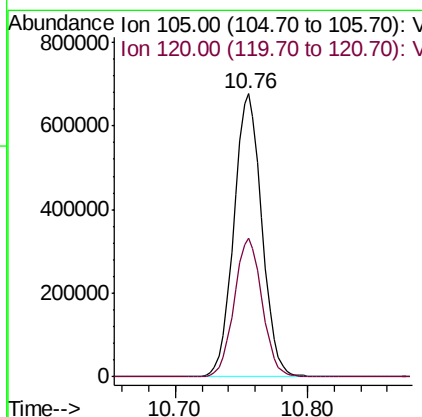
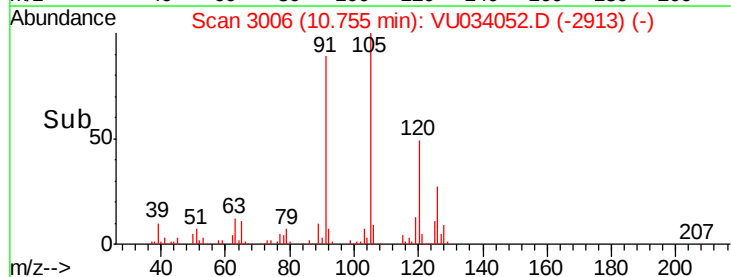
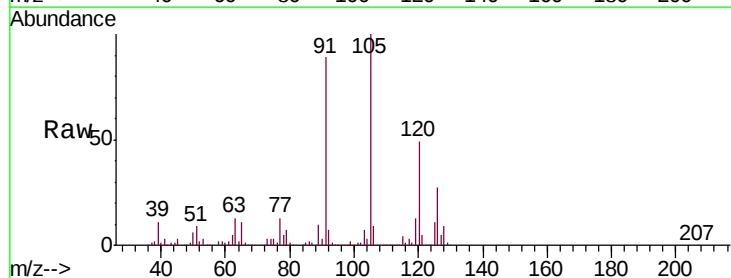
Acq: 29 Aug 2019 11:19

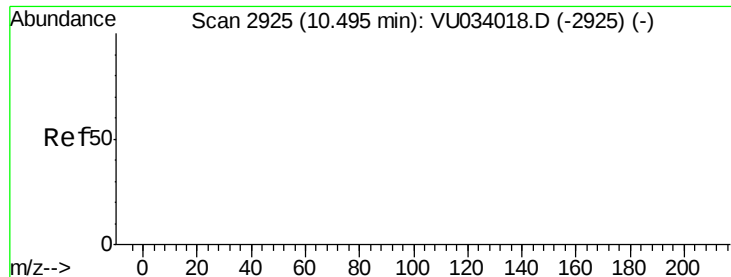
Tgt Ion: 105 Resp: 989089

Ion Ratio Lower Upper

105 100

120 49.0 24.6 73.6

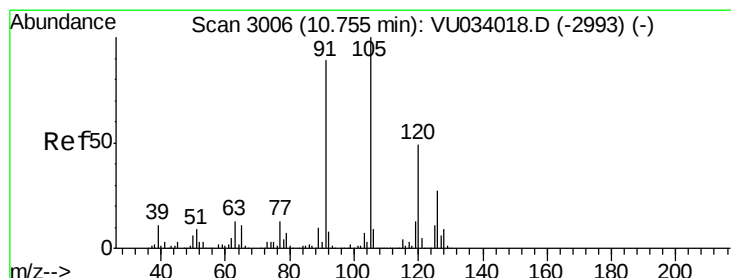
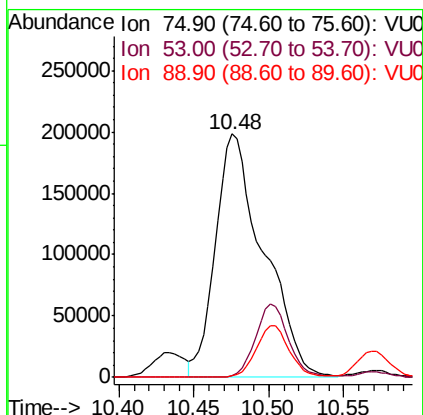
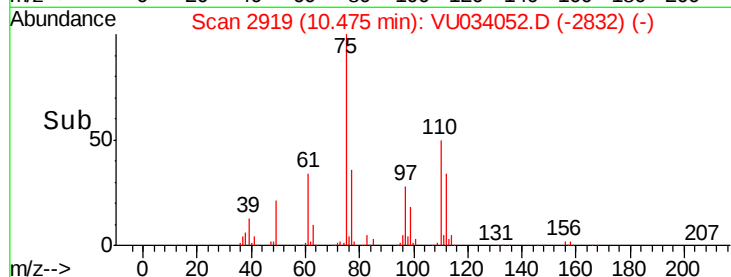
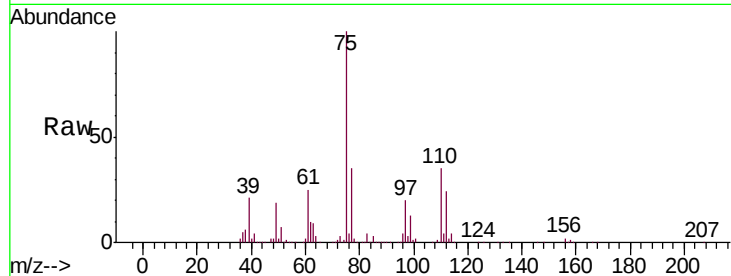




#81
trans-1,4-Dichloro-2-butene
Concen: 188.577 ug/l
RT: 10.48 min Scan# 2919
Delta R.T. -0.02 min
Lab File: VU034052.D
Acq: 29 Aug 2019 11:19

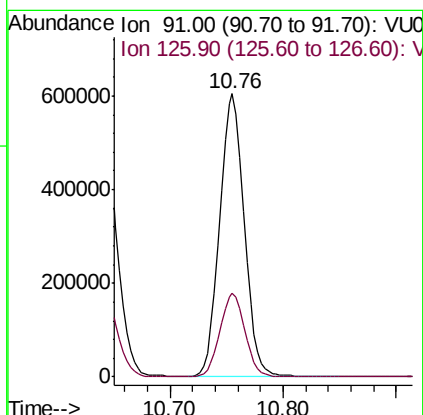
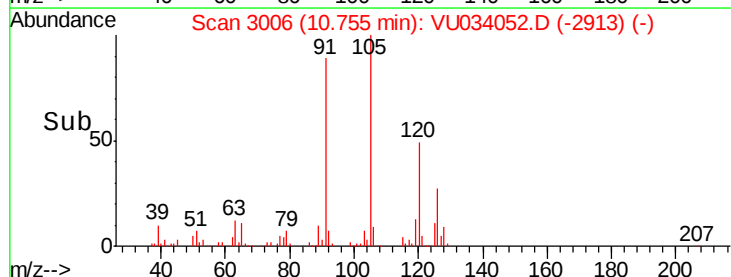
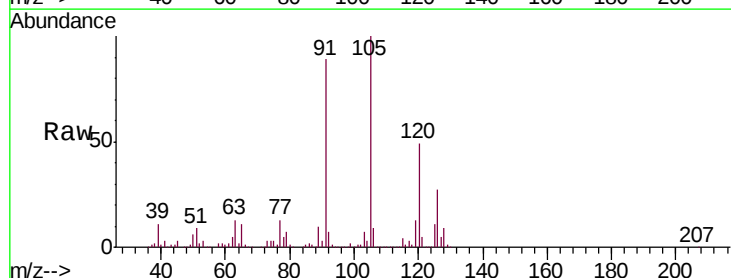
Instrument :
MSVOA_U
ClientSampleId :

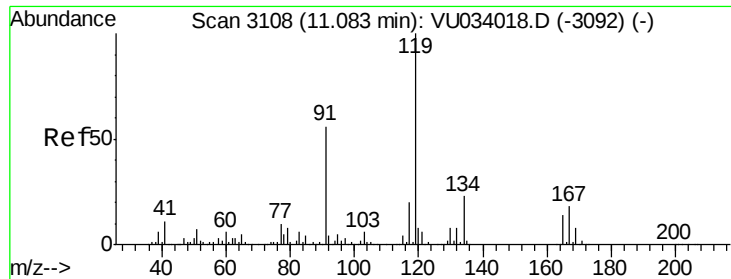
Tot Ion: 75 Resp: 442440
Ion Ratio Lower Upper
75 100
53 0.0 0.0 0.0
89 0.0 0.0 0.0



#82
4-Chlorotoluene
Concen: 48.362 ug/l
RT: 10.76 min Scan# 3006
Delta R.T. -0.00 min
Lab File: VU034052.D
Acq: 29 Aug 2019 11:19

Tgt Ion: 91 Resp: 914755
Ion Ratio Lower Upper
91 100
126 30.1 15.0 45.1

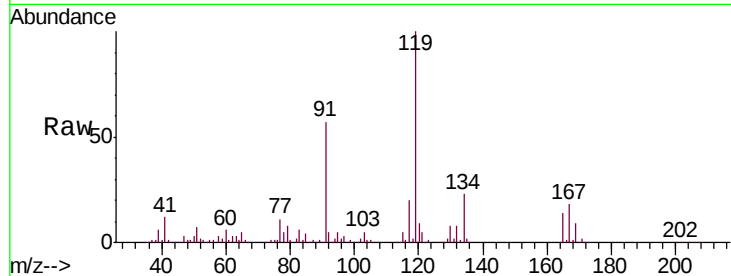




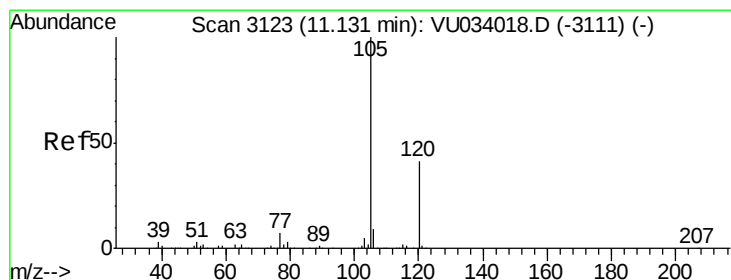
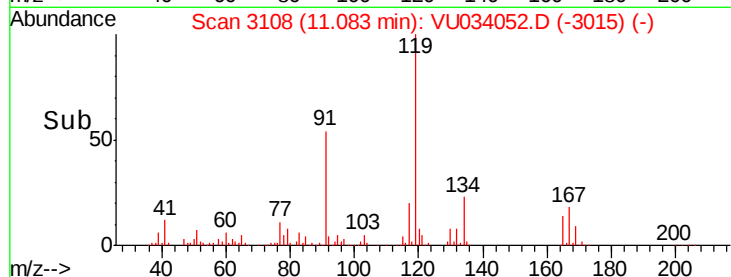
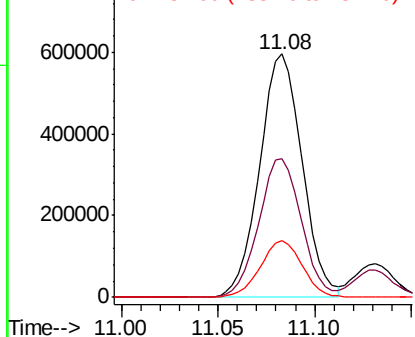
#83
tert-Butylbenzene
Concen: 46.437 ug/l
RT: 11.08 min Scan# 3108
Delta R.T. -0.00 min
Lab File: VU034052.D
Acq: 29 Aug 2019 11:19

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion:119 Resp: 912252
Ion Ratio Lower Upper
119 100
91 57.2 27.9 83.6
134 22.9 11.4 34.2

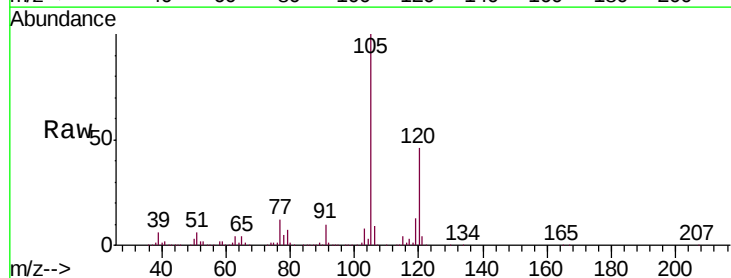


Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): VU0
Ion 134.00 (133.70 to 134.70): V

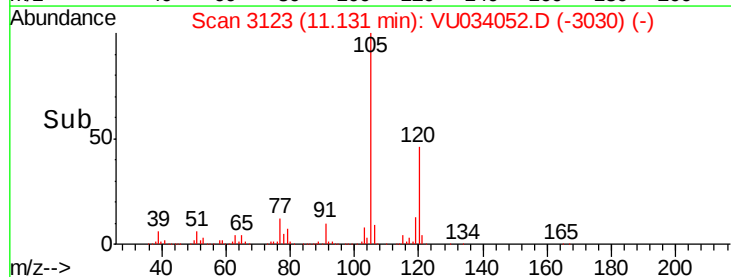
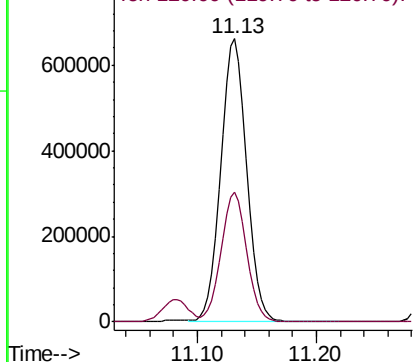


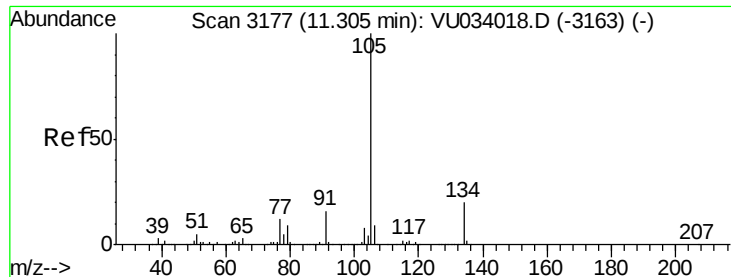
#84
1,2,4-Trimethylbenzene
Concen: 50.161 ug/l
RT: 11.13 min Scan# 3123
Delta R.T. -0.00 min
Lab File: VU034052.D
Acq: 29 Aug 2019 11:19

Tgt Ion:105 Resp: 993970
Ion Ratio Lower Upper
105 100
120 45.5 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: 48.660 ug/l

RT: 11.30 min Scan# 3177

Delta R.T. -0.00 min

Lab File: VU034052.D

Acq: 29 Aug 2019 11:19

Instrument :

MSVOA_U

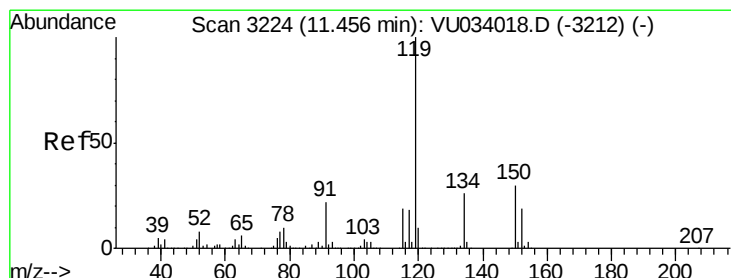
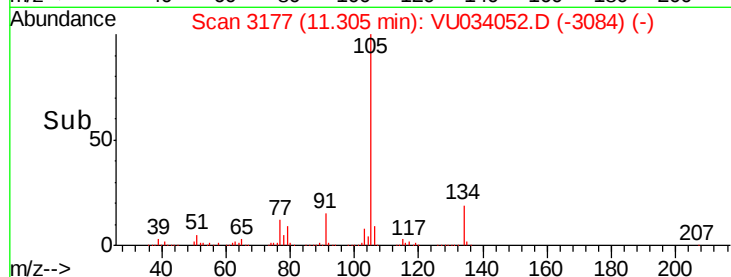
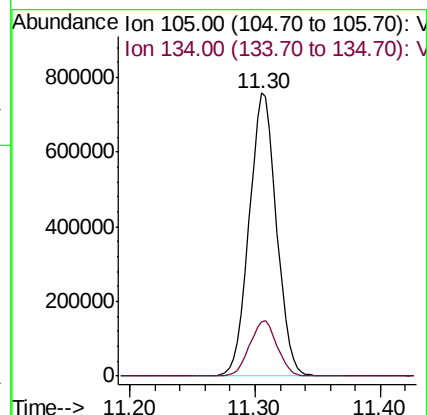
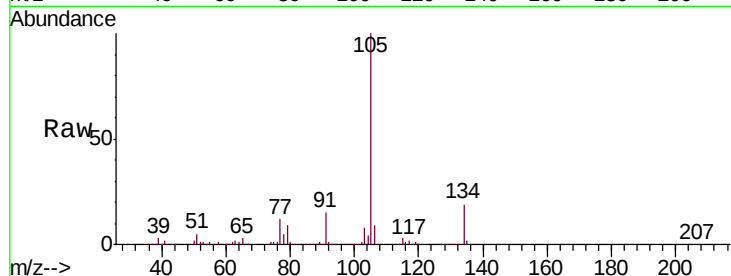
ClientSampleId :

Tot Ion:105 Resp: 1145704

Ion Ratio Lower Upper

105 100

134 19.7 10.0 30.0



#86

p-Isopropyltoluene

Concen: 50.376 ug/l

RT: 11.46 min Scan# 3225

Delta R.T. 0.00 min

Lab File: VU034052.D

Acq: 29 Aug 2019 11:19

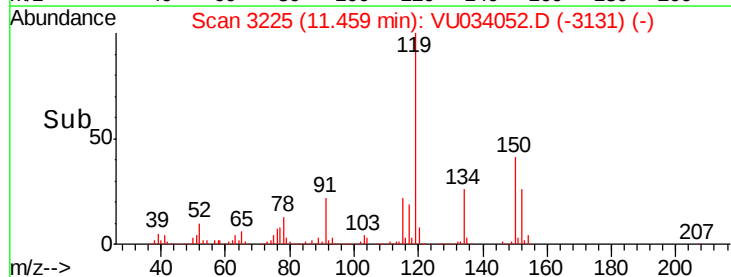
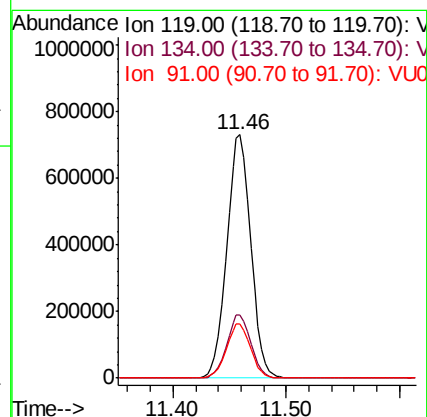
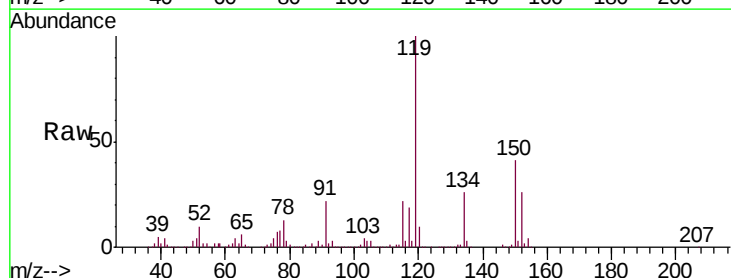
Tgt Ion:119 Resp: 1072757

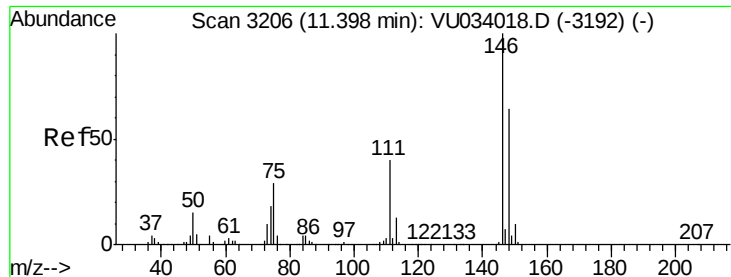
Ion Ratio Lower Upper

119 100

134 26.0 13.1 39.1

91 22.4 11.2 33.6

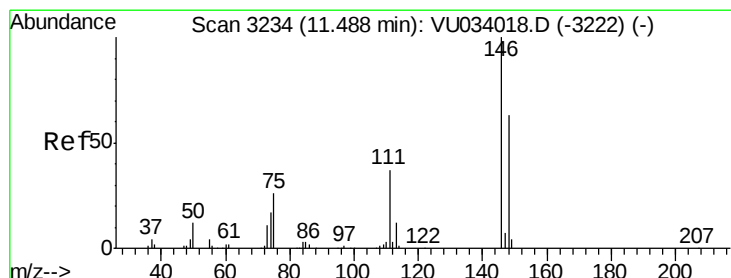
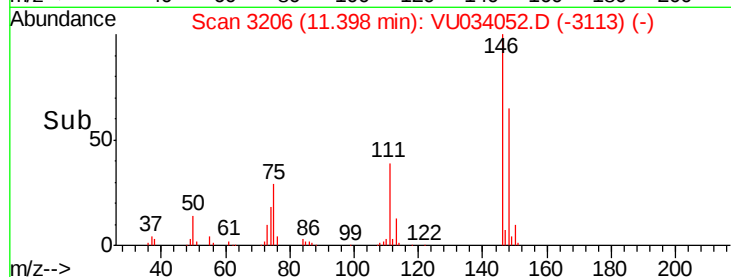
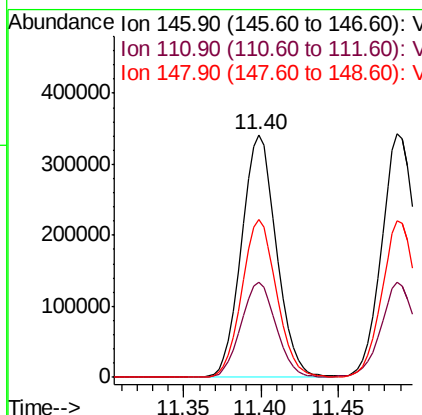
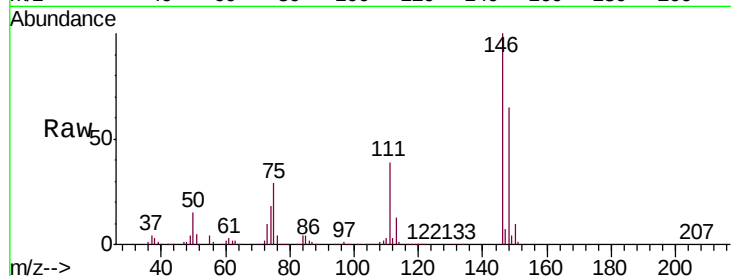




#87
 1,3-Dichlorobenzene
 Concen: 47.901 ug/l
 RT: 11.40 min Scan# 3206
 Delta R.T. -0.00 min
 Lab File: VU034052.D
 Acq: 29 Aug 2019 11:19

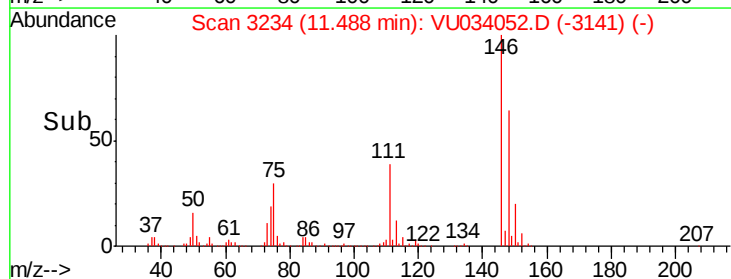
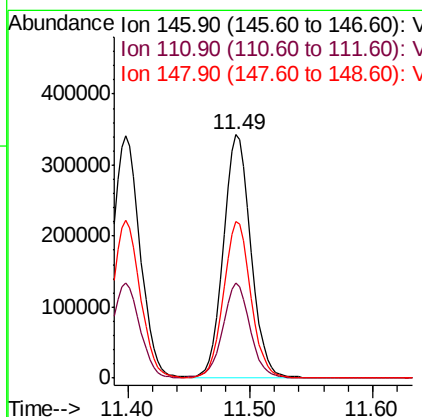
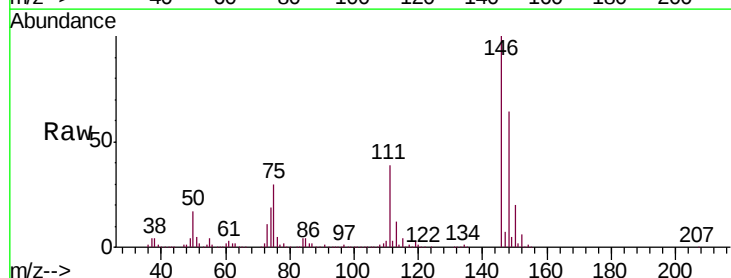
Instrument :
 MSVOA_U
 ClientSampled :

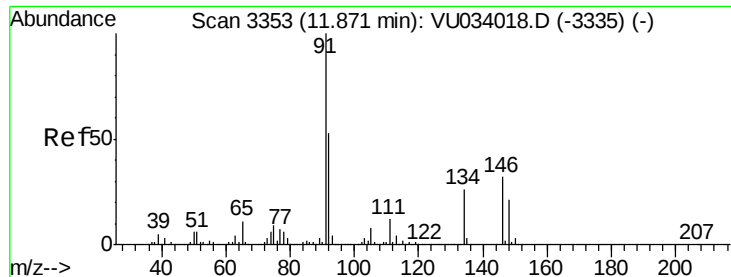
Tot Ion	Ratio	Lower	Upper
146	100		
111	39.3	19.9	59.6
148	64.7	31.9	95.5



#88
 1,4-Dichlorobenzene
 Concen: 47.702 ug/l
 RT: 11.49 min Scan# 3234
 Delta R.T. -0.00 min
 Lab File: VU034052.D
 Acq: 29 Aug 2019 11:19

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





#89

n-Butylbenzene

Concen: 52.602 ug/l

RT: 11.87 min Scan# 3353

Delta R.T. -0.00 min

Lab File: VU034052.D

Acq: 29 Aug 2019 11:19

Instrument :

MSVOA_U

ClientSampled :

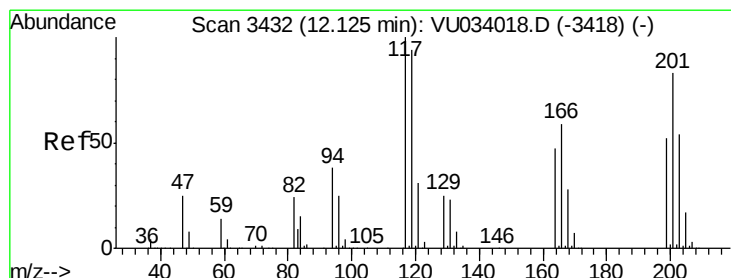
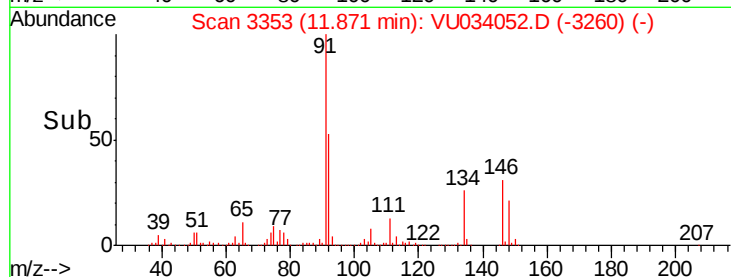
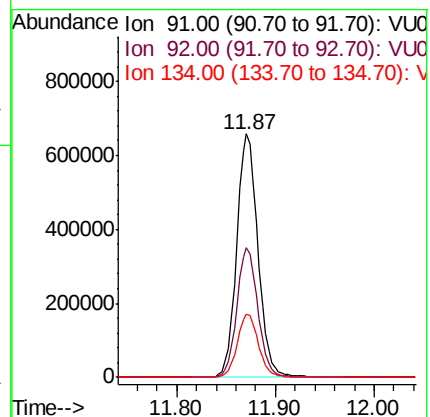
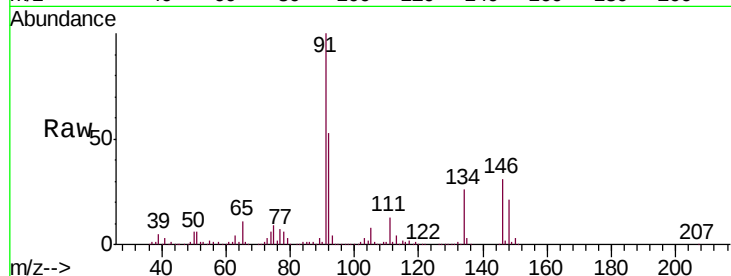
Tot Ion: 91 Resp: 987581

Ion Ratio Lower Upper

91 100

92 52.8 26.3 78.9

134 25.8 12.9 38.7



#90

Hexachloroethane

Concen: 44.838 ug/l

RT: 12.12 min Scan# 3432

Delta R.T. -0.00 min

Lab File: VU034052.D

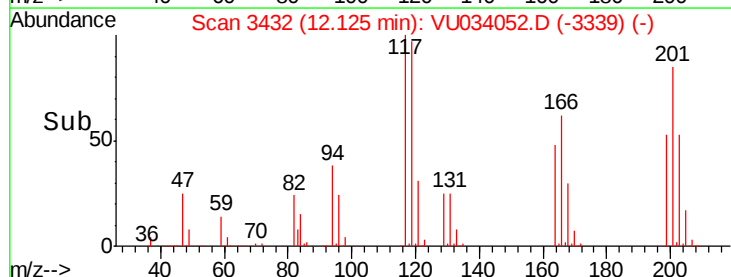
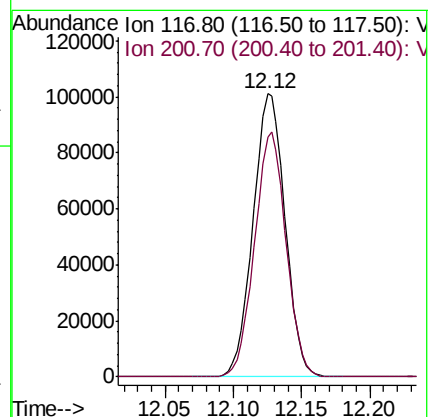
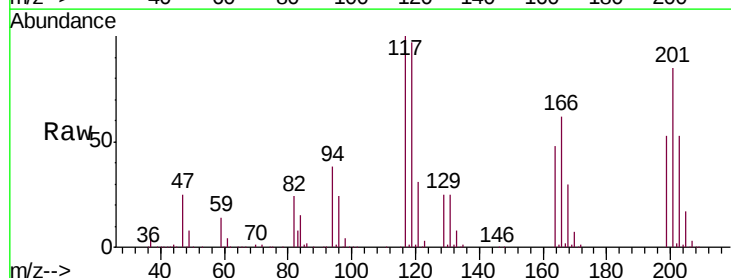
Acq: 29 Aug 2019 11:19

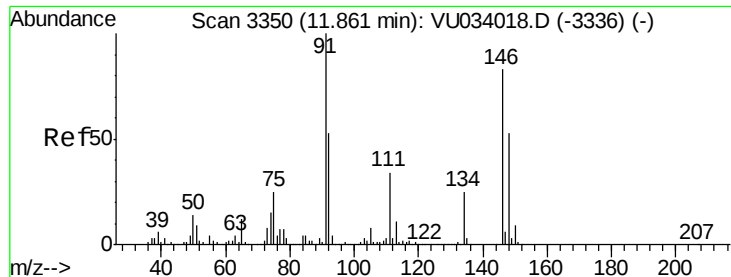
Tgt Ion: 117 Resp: 165081

Ion Ratio Lower Upper

117 100

201 84.9 42.5 127.6

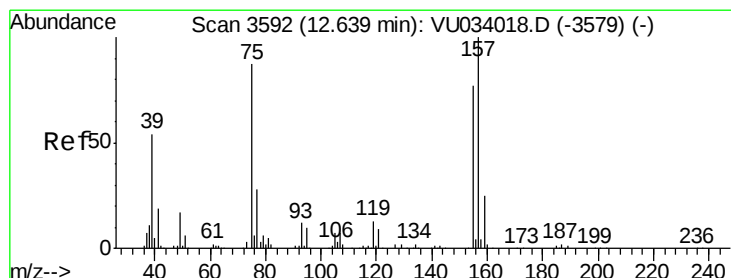
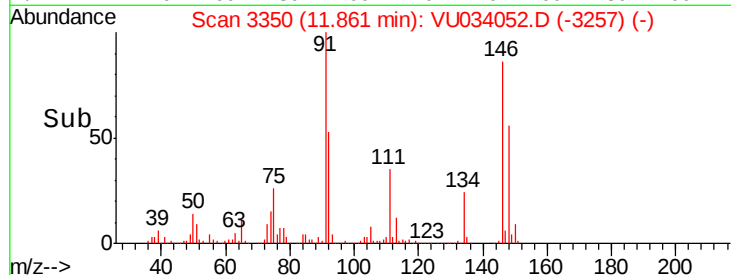
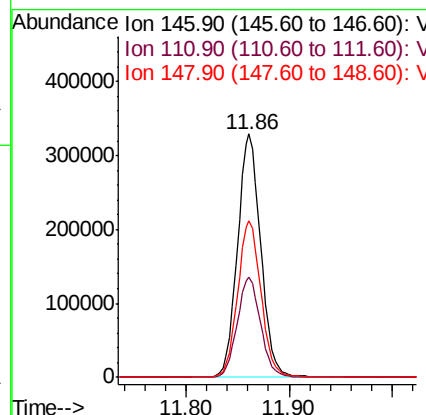
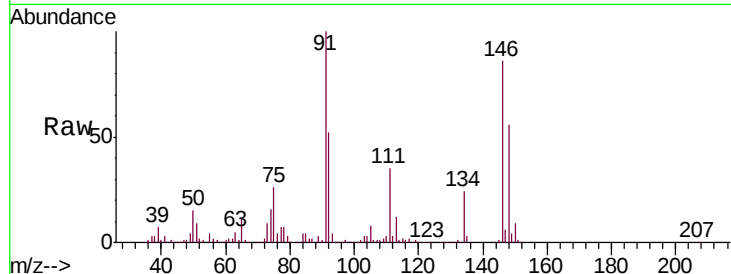




#91
 1,2-Dichlorobenzene
 Concen: 48.130 ug/l
 RT: 11.86 min Scan# 3350
 Delta R.T. -0.00 min
 Lab File: VU034052.D
 Acq: 29 Aug 2019 11:19

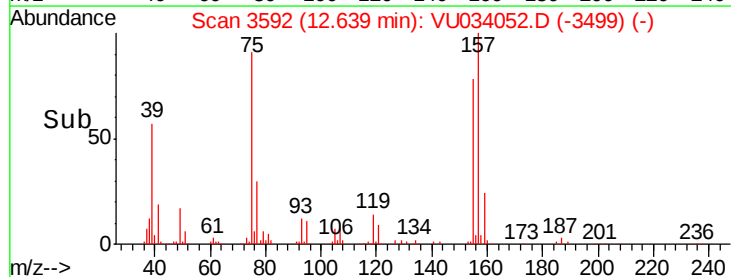
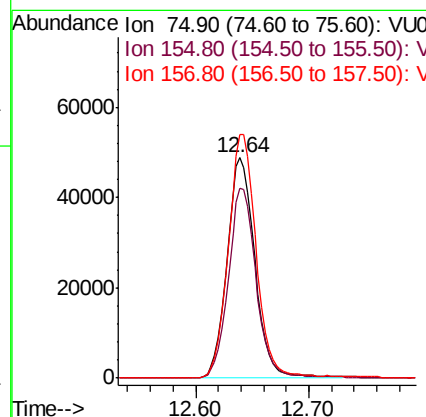
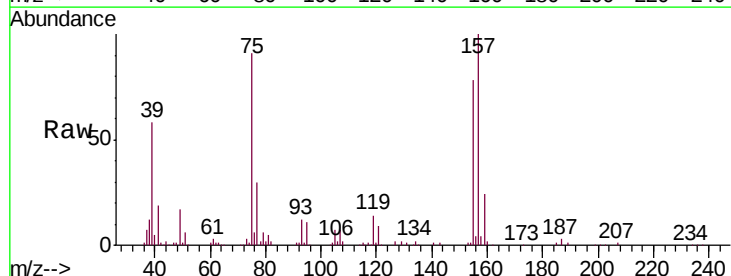
Instrument :
 MSVOA_U
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.4	20.4	61.2
148	64.9	32.3	96.8



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 46.720 ug/l
 RT: 12.64 min Scan# 3592
 Delta R.T. -0.00 min
 Lab File: VU034052.D
 Acq: 29 Aug 2019 11:19

Tgt Ion	Ratio	Lower	Upper
75	100		
155	86.1	43.5	130.7
157	110.3	56.9	170.6

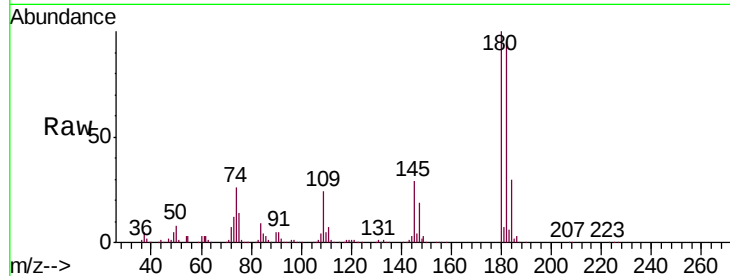




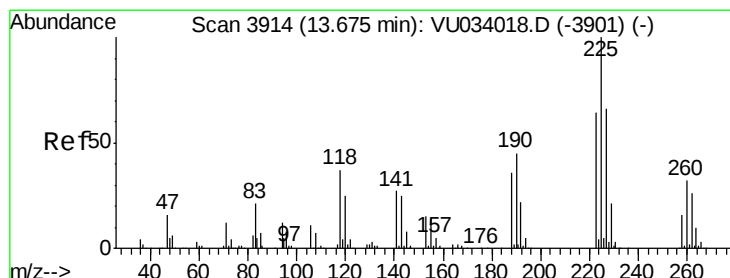
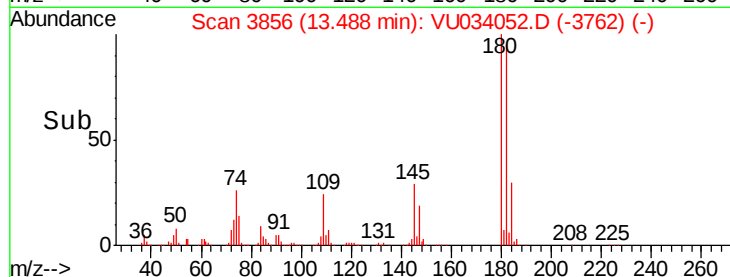
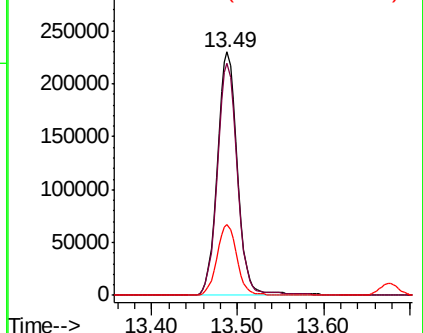
#93
 1,2,4-Trichlorobenzene
 Concen: 49.188 ug/l
 RT: 13.49 min Scan# 3856
 Delta R.T. 0.00 min
 Lab File: VU034052.D
 Acq: 29 Aug 2019 11:19

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion:180 Resp: 375652
 Ion Ratio Lower Upper
 180 100
 182 95.2 47.4 142.2
 145 29.0 14.1 42.3

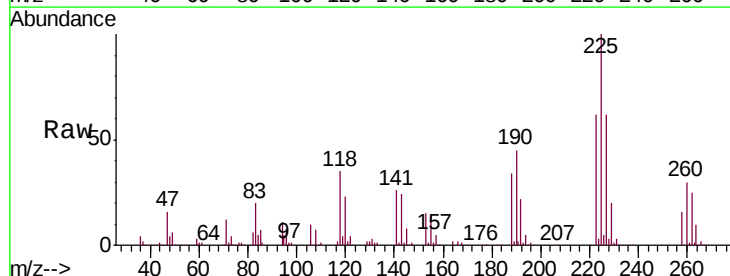


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

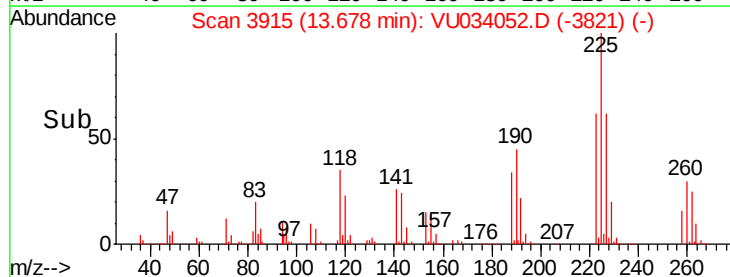
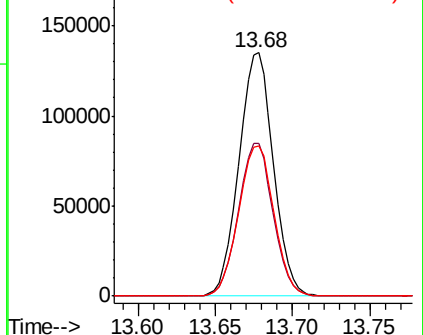


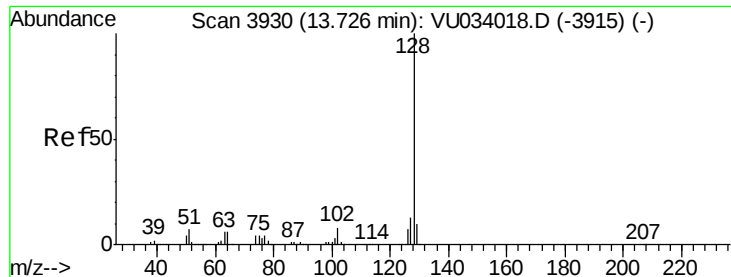
#94
 Hexachlorobutadiene
 Concen: 49.863 ug/l
 RT: 13.68 min Scan# 3915
 Delta R.T. 0.00 min
 Lab File: VU034052.D
 Acq: 29 Aug 2019 11:19

Tgt Ion:225 Resp: 209514
 Ion Ratio Lower Upper
 225 100
 223 63.1 31.8 95.3
 227 63.4 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

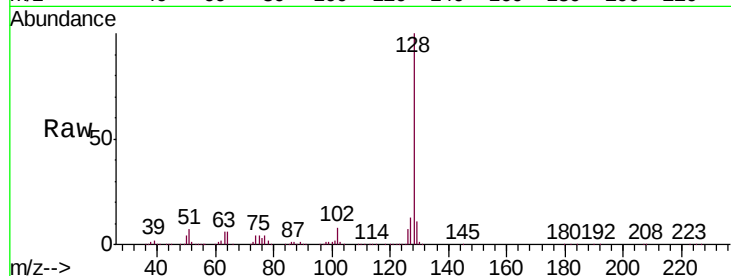




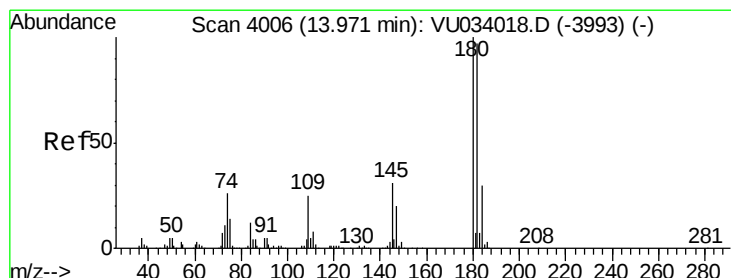
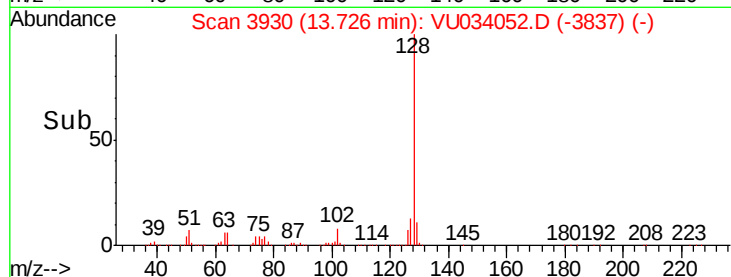
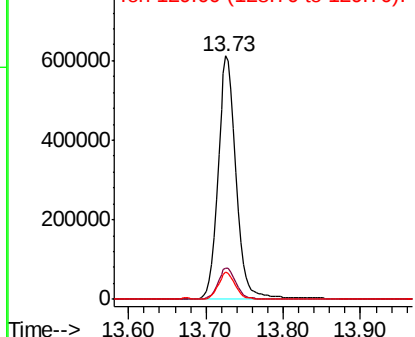
#95
Naphthalene
Concen: 46.495 ug/l
RT: 13.73 min Scan# 3930
Delta R.T. 0.00 min
Lab File: VU034052.D
Acq: 29 Aug 2019 11:19

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion:128 Resp: 1014435
Ion Ratio Lower Upper
128 100
127 13.0 10.2 15.4
129 10.6 8.4 12.6

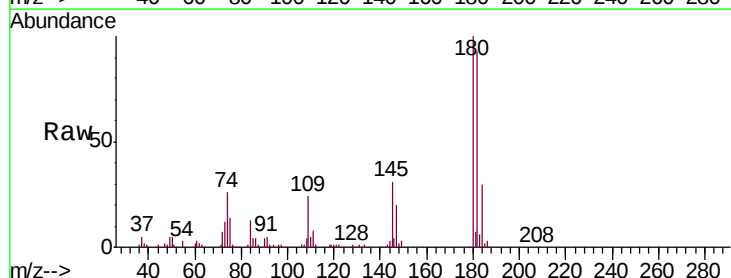


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96
1,2,3-Trichlorobenzene
Concen: 53.910 ug/l
RT: 13.97 min Scan# 4006
Delta R.T. -0.00 min
Lab File: VU034052.D
Acq: 29 Aug 2019 11:19

Tgt Ion:180 Resp: 370927
Ion Ratio Lower Upper
180 100
182 94.0 48.2 144.6
145 31.0 15.5 46.5



Abundance Ion 179.80 (179.50 to 180.50): V
Ion 181.80 (181.50 to 182.50): V
Ion 144.90 (144.60 to 145.60): V

