

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU083119\
 Data File : VU034083.D
 Acq On : 30 Aug 2019 09:13
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Aug 30 15:24:47 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	436878	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.86	114	659838	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.07	117	636339	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.46	152	352267	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.29	65	261463	46.71	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.42%	
35) Dibromofluoromethane	4.86	113	221725	48.45	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.90%	
50) Toluene-d8	7.55	98	870598	50.80	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.60%	
62) 4-Bromofluorobenzene	10.29	95	327827	49.18	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.36%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	239389	54.484	ug/l	99
3) Chloromethane	1.32	50	266212	45.166	ug/l	99
4) Vinyl Chloride	1.40	62	288201	49.283	ug/l	99
5) Bromomethane	1.61	94	123427	43.040	ug/l	98
6) Chloroethane	1.69	64	172596	48.277	ug/l	99
7) Trichlorofluoromethane	1.88	101	346609	51.153	ug/l	99
8) Diethyl Ether	2.09	74	147300	50.816	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	2.27	101	224190	52.227	ug/l	99
10) Methyl Iodide	2.40	142	143079	23.497	ug/l	100
11) Tert butyl alcohol	2.81	59	263178	203.871	ug/l	99
12) 1,1-Dichloroethene	2.27	96	219229	50.126	ug/l	99
13) Acrolein	2.18	56	88796	163.514	ug/l	98
14) Allyl chloride	2.58	41	357496	43.475	ug/l	93
15) Acrylonitrile	2.92	53	735857	248.414	ug/l	100
16) Acetone	2.31	43	819823	287.023	ug/l	100
17) Carbon Disulfide	2.46	76	655039	47.322	ug/l	100
18) Methyl Acetate	2.60	43	339122	45.944	ug/l	100
19) Methyl tert-butyl Ether	2.98	73	733901	51.214	ug/l	100
20) Methylene Chloride	2.68	84	263509	48.732	ug/l	97
21) trans-1,2-Dichloroethene	2.96	96	235806	49.679	ug/l	100
22) Diisopropyl ether	3.55	45	777578	51.604	ug/l	97
23) Vinyl Acetate	3.50	43	3326716	257.009	ug/l	99
24) 1,1-Dichloroethane	3.42	63	448341	50.398	ug/l	100
25) 2-Butanone	4.23	43	1066937	268.489	ug/l	100
26) 2,2-Dichloropropane	4.20	77	363200	50.175	ug/l	99
27) cis-1,2-Dichloroethene	4.20	96	265042	49.748	ug/l	100
28) Bromochloromethane	4.52	49	203762	46.490	ug/l	99
29) Tetrahydrofuran	4.61	42	615230	251.045	ug/l	99
30) Chloroform	4.65	83	435350	49.049	ug/l	99
31) Cyclohexane	4.97	56	401375	48.016	ug/l	100
32) 1,1,1-Trichloroethane	4.89	97	365089	50.223	ug/l	99
36) 1,1-Dichloropropene	5.11	75	327005	52.394	ug/l	99
37) Ethyl Acetate	4.35	43	353384	50.563	ug/l	99
38) Carbon Tetrachloride	5.11	117	317299	52.669	ug/l	97

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.40	83	389741	52.982	ug/l	99
40) Benzene	5.37	78	988367	52.341	ug/l	100
41) Methacrylonitrile	4.52	41	192263	53.639	ug/l	99
42) 1,2-Dichloroethane	5.38	62	338048	51.843	ug/l	99
43) Isopropyl Acetate	5.53	43	541130	50.893	ug/l	99
44) Trichloroethene	6.16	130	258810	52.193	ug/l	97
45) 1,2-Dichloropropane	6.41	63	277733	53.430	ug/l	99
46) Dibromomethane	6.54	93	175102	52.286	ug/l	99
47) Bromodichloromethane	6.74	83	342263	52.237	ug/l	99
48) Methyl methacrylate	6.60	41	266067	51.856	ug/l	98
49) 1,4-Dioxane	6.59	88	109739	853.621	ug/l	99
51) 4-Methyl-2-Pentanone	7.44	43	1832980	249.620	ug/l	99
52) Toluene	7.62	92	625643	53.785	ug/l	100
53) t-1,3-Dichloropropene	7.86	75	377080	51.867	ug/l	99
54) cis-1,3-Dichloropropene	7.25	75	422756	53.226	ug/l	98
55) 1,1,2-Trichloroethane	8.05	97	253181	51.456	ug/l	100
56) Ethyl methacrylate	8.00	69	380296	46.662	ug/l	99
57) 1,3-Dichloropropane	8.22	76	431911	51.698	ug/l	100
58) 2-Chloroethyl Vinyl ether	7.11	63	663177	243.627	ug/l	99
59) 2-Hexanone	8.34	43	1466140	264.486	ug/l	100
60) Dibromochloromethane	8.46	129	274593	51.989	ug/l	99
61) 1,2-Dibromoethane	8.57	107	264535	51.038	ug/l	100
64) Tetrachloroethene	8.21	164	234636	54.906	ug/l	98
65) Chlorobenzene	9.10	112	683899	52.225	ug/l	99
66) 1,1,1,2-Tetrachloroethane	9.19	131	243514	51.283	ug/l	99
67) Ethyl Benzene	9.23	91	1185383	53.400	ug/l	100
68) m/p-Xylenes	9.36	106	926502	109.767	ug/l	99
69) o-Xylene	9.76	106	437393	54.014	ug/l	99
70) Styrene	9.77	104	780938	56.244	ug/l	100
71) Bromoform	9.94	173	208371	50.506	ug/l #	100
73) Isopropylbenzene	10.15	105	1192794	50.411	ug/l	100
74) N-amyl acetate	10.00	43	492030	49.441	ug/l	99
75) 1,1,2,2-Tetrachloroethane	10.44	83	423330	46.744	ug/l	100
76) 1,2,3-Trichloropropane	10.48	75	471076	59.333	ug/l	88
77) Bromobenzene	10.43	156	310512	48.784	ug/l	99
78) n-propylbenzene	10.57	91	1424170	51.683	ug/l	100
79) 2-Chlorotoluene	10.64	91	834911	50.514	ug/l	100
80) 1,3,5-Trimethylbenzene	10.75	105	1056674	52.690	ug/l	100
81) trans-1,4-Dichloro-2-buten	10.48	75	471076	199.790	ug/l #	100
82) 4-Chlorotoluene	10.75	91	976837	51.389	ug/l	100
83) tert-Butylbenzene	11.08	119	982670	49.774	ug/l	100
84) 1,2,4-Trimethylbenzene	11.13	105	1055247	52.990	ug/l	99
85) sec-Butylbenzene	11.31	105	1207818	51.044	ug/l	100
86) p-Isopropyltoluene	11.46	119	1135699	53.069	ug/l	100
87) 1,3-Dichlorobenzene	11.40	146	571021	50.674	ug/l	100
88) 1,4-Dichlorobenzene	11.49	146	574241	50.390	ug/l	100
89) n-Butylbenzene	11.87	91	1034495	54.828	ug/l	100
90) Hexachloroethane	12.13	117	165722	44.790	ug/l	99
91) 1,2-Dichlorobenzene	11.86	146	553776	51.303	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	12.64	75	86922	48.177	ug/l	99

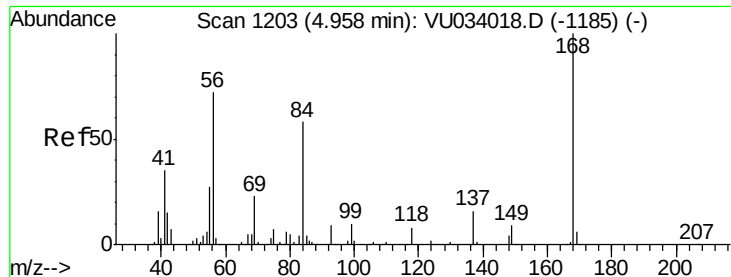
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA U\DATA\VU083119\
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.49	180	389681	50.737	ug/l	99
94) Hexachlorobutadiene	13.67	225	198728	47.062	ug/l	98
95) Naphthalene	13.73	128	1068674	48.653	ug/l	100
96) 1,2,3-Trichlorobenzene	13.97	180	378840	54.788	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.96 min Scan# 1204

Delta R.T. 0.00 min

Lab File: VU034083.D

Acq: 30 Aug 2019 09:13

Instrument :

MSVOA_U

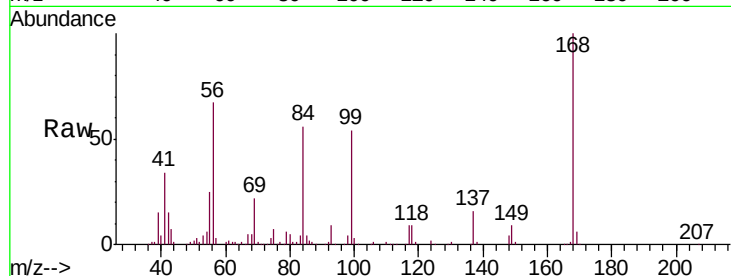
ClientSampleId :

Tot Ion:168 Resp: 436878

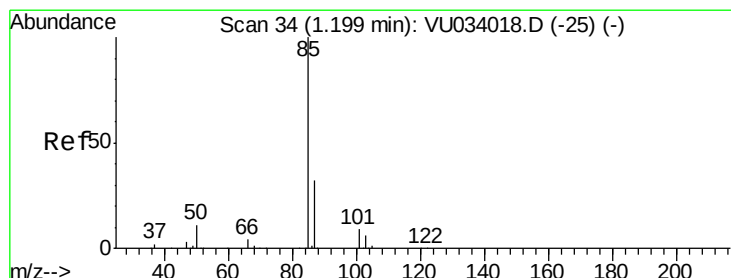
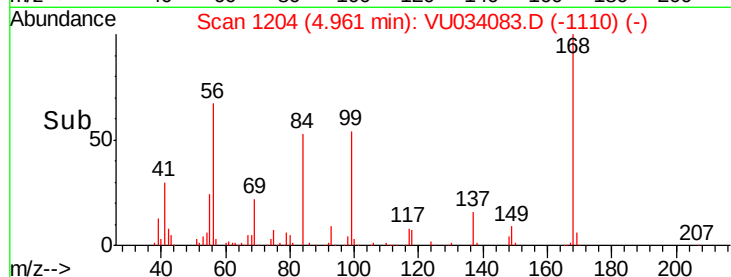
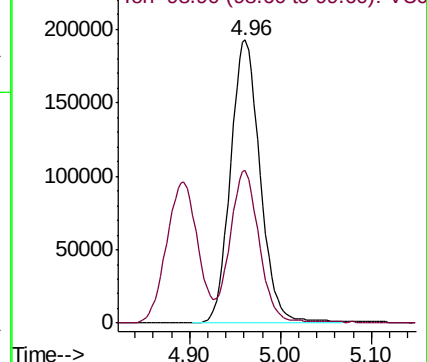
Ion Ratio Lower Upper

168 100

99 53.4 42.3 63.5



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



#2

Dichlorodifluoromethane

Concen: 54.484 ug/l

RT: 1.20 min Scan# 35

Delta R.T. 0.00 min

Lab File: VU034083.D

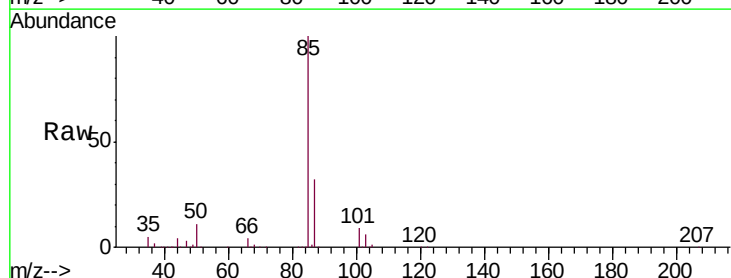
Acq: 30 Aug 2019 09:13

Tgt Ion: 85 Resp: 239389

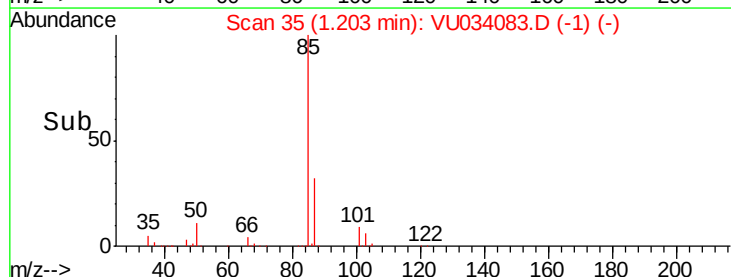
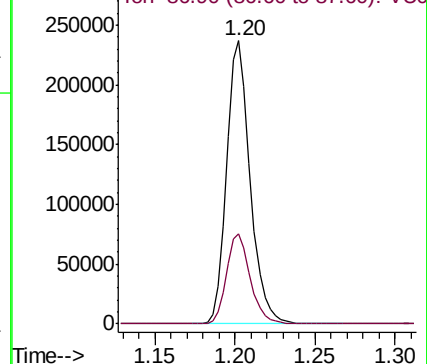
Ion Ratio Lower Upper

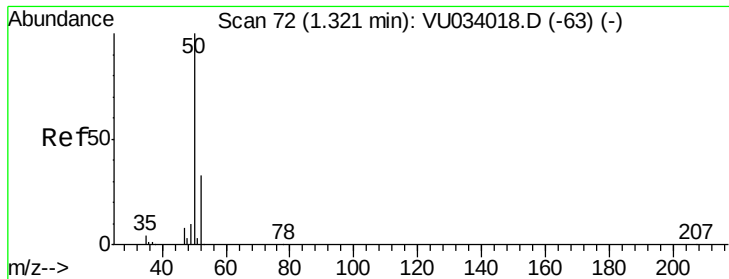
85 100

87 31.9 16.1 48.3



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





#3

Chloromethane

Concen: 45.166 ug/l

RT: 1.32 min Scan# 73

Delta R.T. 0.00 min

Lab File: VU034083.D

Acq: 30 Aug 2019 09:13

Instrument :

MSVOA_U

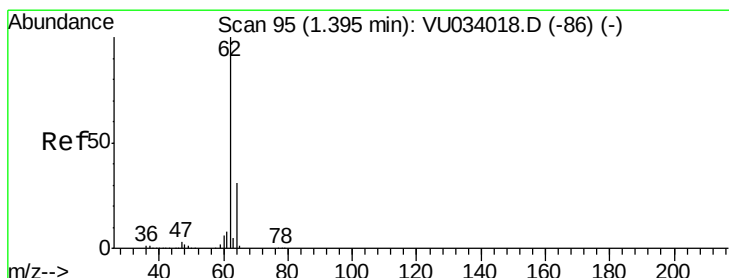
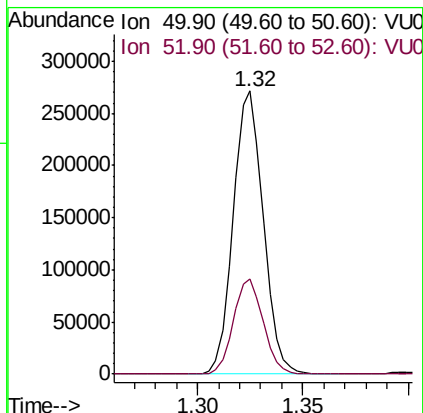
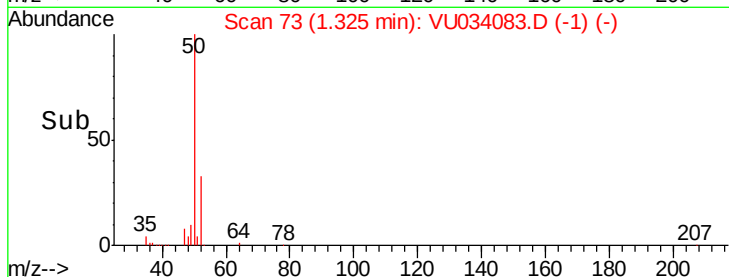
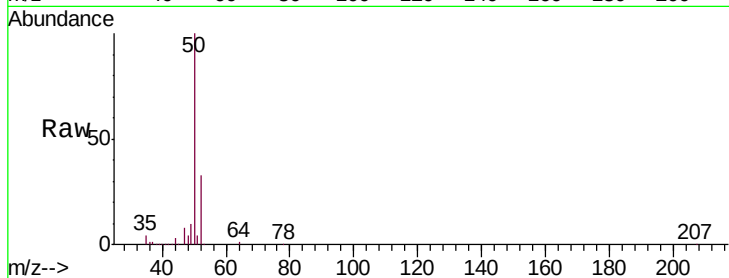
ClientSampleId :

Tot Ion: 50 Resp: 266212

Ion Ratio Lower Upper

50 100

52 33.5 26.2 39.4



#4

Vinyl Chloride

Concen: 49.283 ug/l

RT: 1.40 min Scan# 96

Delta R.T. 0.00 min

Lab File: VU034083.D

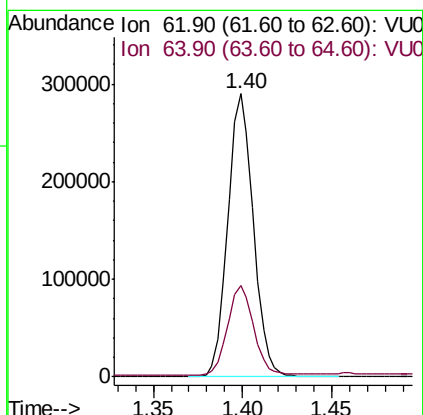
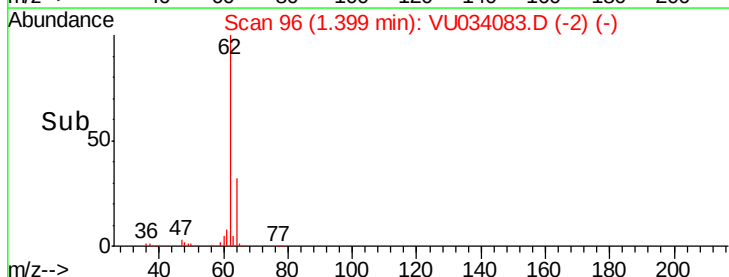
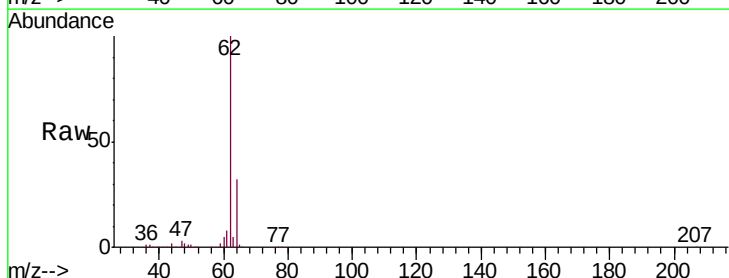
Acq: 30 Aug 2019 09:13

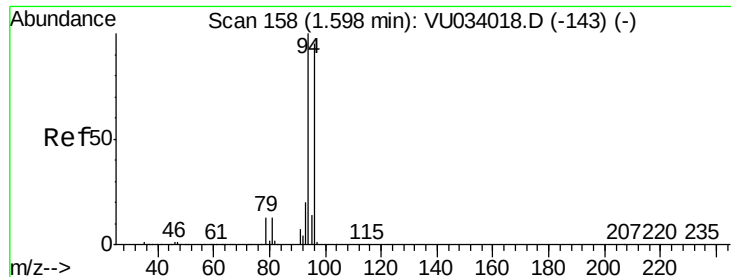
Tgt Ion: 62 Resp: 288201

Ion Ratio Lower Upper

62 100

64 31.7 25.0 37.6





#5

Bromomethane

Concen: 43.040 ug/l

RT: 1.61 min Scan# 162

Delta R.T. 0.01 min

Lab File: VU034083.D

Acq: 30 Aug 2019 09:13

Instrument :

MSVOA_U

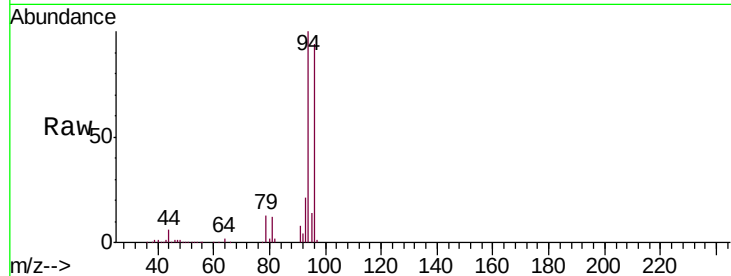
ClientSampled :

Tot Ion: 94 Resp: 123427

Ion Ratio Lower Upper

94 100

96 93.6 76.3 114.5



Abundance Ion 93.90 (93.60 to 94.60): VU034083.D (-65) (-)

Ion 95.90 (95.60 to 96.60): VU034083.D (-65) (-)

1.61

100000

80000

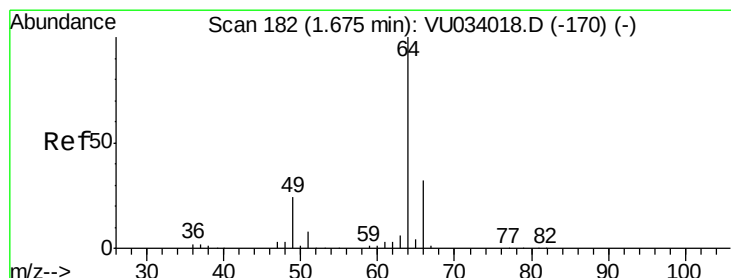
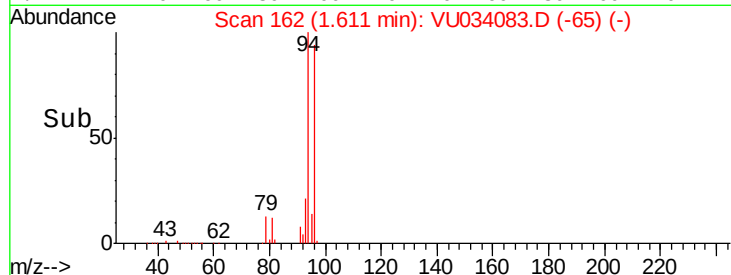
60000

40000

20000

0

Time-->



#6

Chloroethane

Concen: 48.277 ug/l

RT: 1.69 min Scan# 186

Delta R.T. 0.01 min

Lab File: VU034083.D

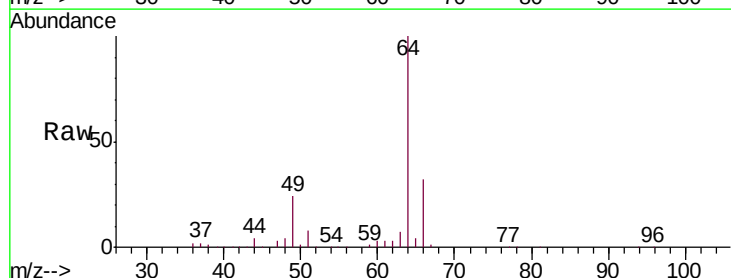
Acq: 30 Aug 2019 09:13

Tgt Ion: 64 Resp: 172596

Ion Ratio Lower Upper

64 100

66 32.3 25.5 38.3



Abundance Ion 63.90 (63.60 to 64.60): VU034083.D (-89) (-)

Ion 65.90 (65.60 to 66.60): VU034083.D (-89) (-)

1.69

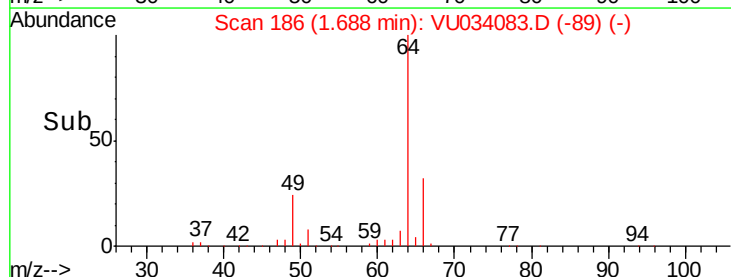
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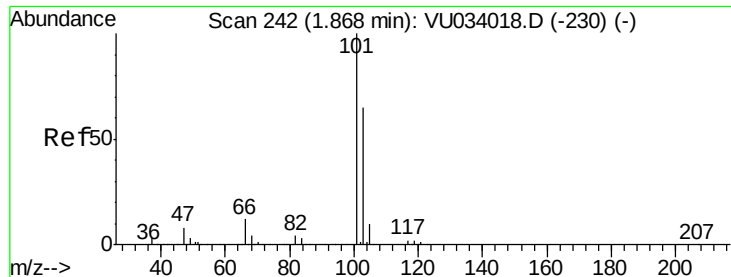
100000

50000

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Time-->



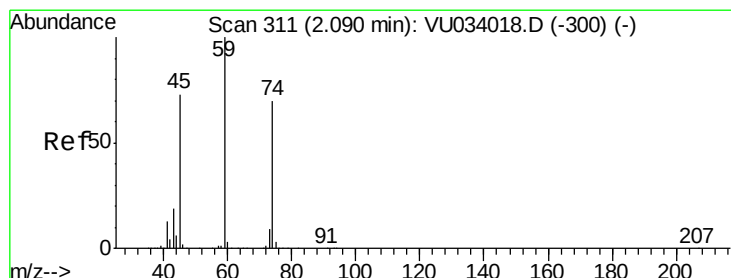
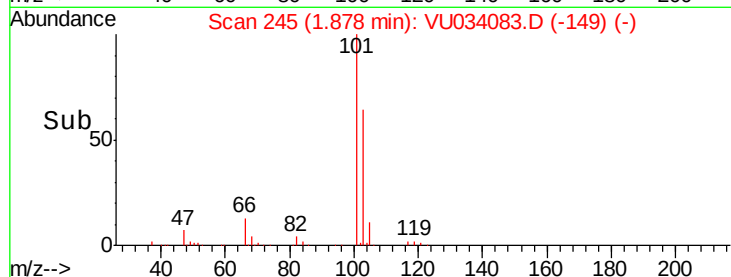
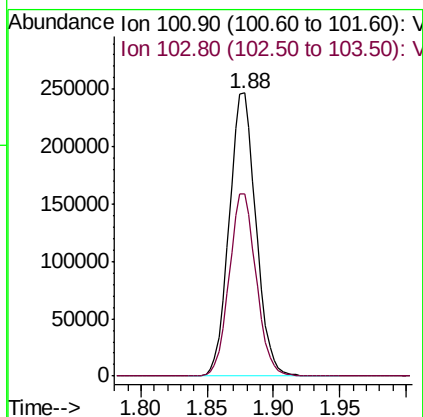
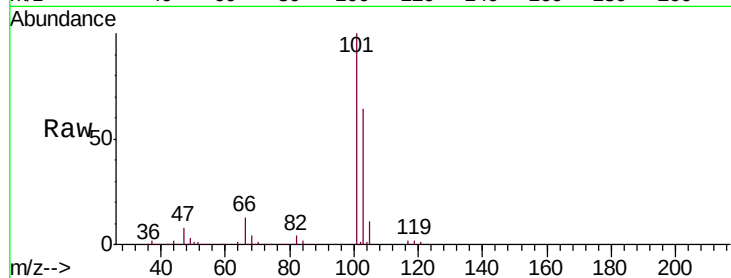


#7

Trichlorofluoromethane
 Concen: 51.153 ug/l
 RT: 1.88 min Scan# 245
 Delta R.T. 0.01 min
 Lab File: VU034083.D
 Acq: 30 Aug 2019 09:13

Instrument :
 MSVOA_U
 ClientSampled :

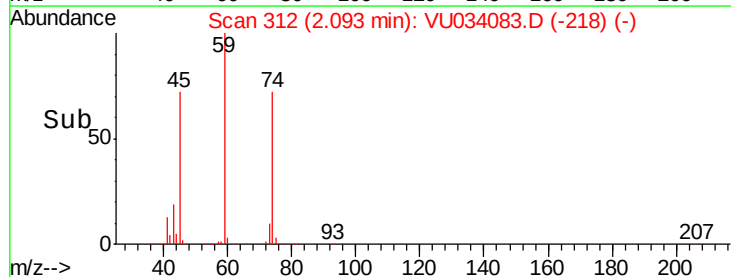
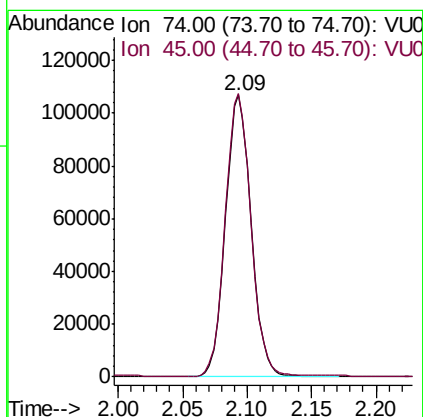
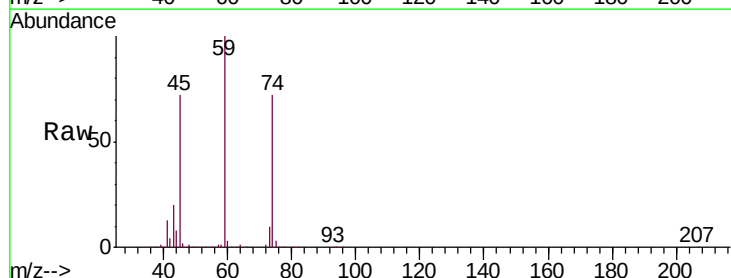
Tot Ion:101 Resp: 346609
 Ion Ratio Lower Upper
 101 100
 103 64.5 52.1 78.1

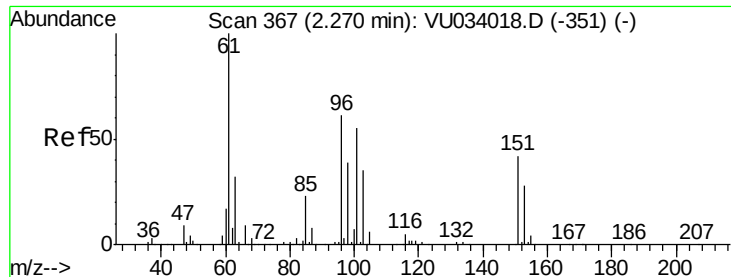


#8

Diethyl Ether
 Concen: 50.816 ug/l
 RT: 2.09 min Scan# 312
 Delta R.T. 0.00 min
 Lab File: VU034083.D
 Acq: 30 Aug 2019 09:13

Tgt Ion: 74 Resp: 147300
 Ion Ratio Lower Upper
 74 100
 45 100.8 51.8 155.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 52.227 ug/l

RT: 2.27 min Scan# 368

Delta R.T. 0.00 min

Lab File: VU034083.D

Acq: 30 Aug 2019 09:13

Instrument :

MSVOA_U

ClientSampleId :

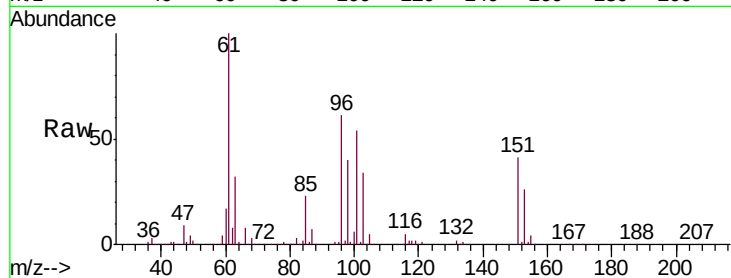
Tot Ion:101 Resp: 224190

Ion Ratio Lower Upper

101 100

85 43.5 34.2 51.2

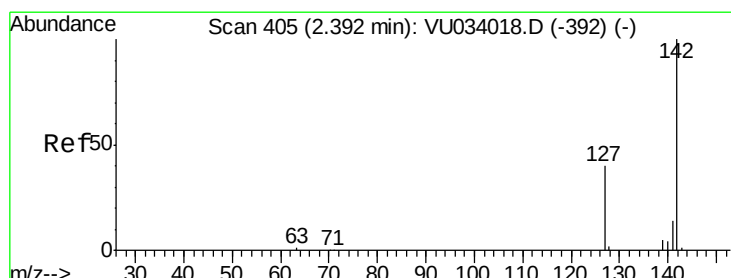
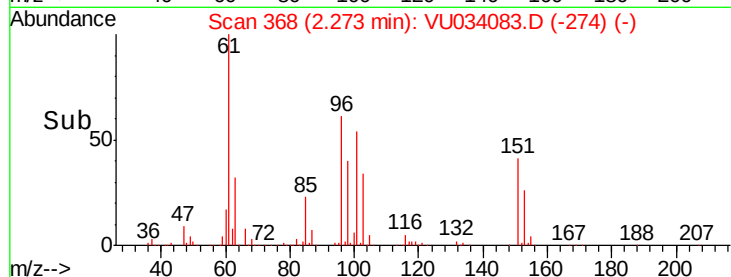
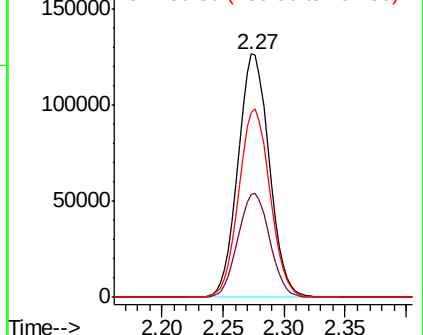
151 77.7 61.4 92.2



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: 23.497 ug/l

RT: 2.40 min Scan# 407

Delta R.T. 0.01 min

Lab File: VU034083.D

Acq: 30 Aug 2019 09:13

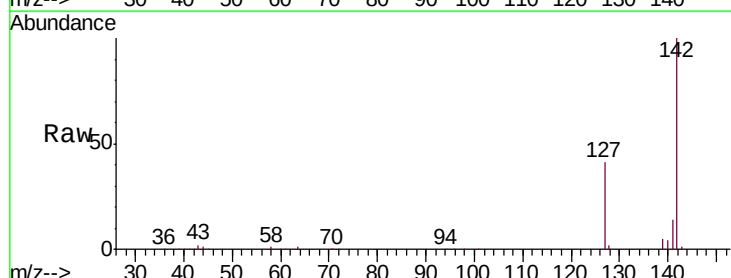
Tgt Ion:142 Resp: 143079

Ion Ratio Lower Upper

142 100

127 41.0 32.6 48.8

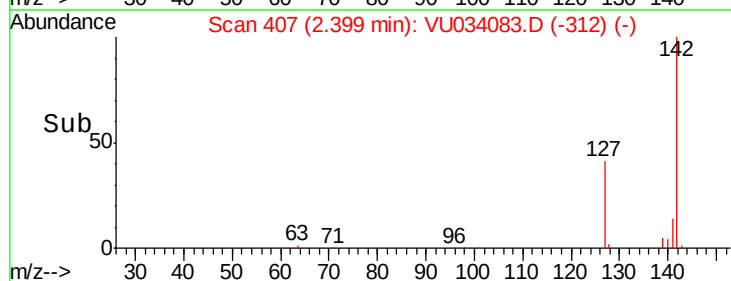
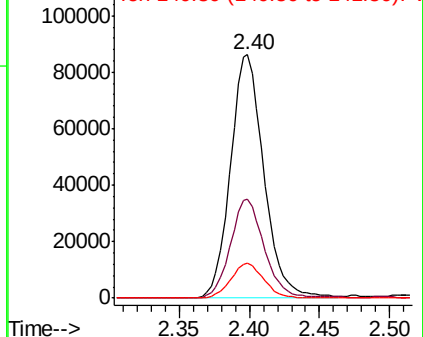
141 14.2 11.3 16.9

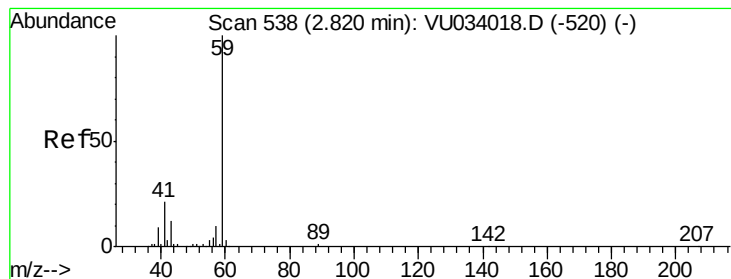


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



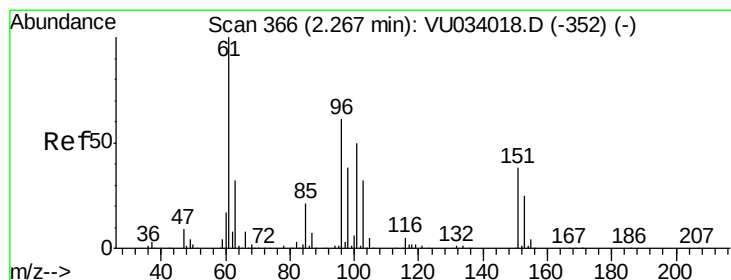
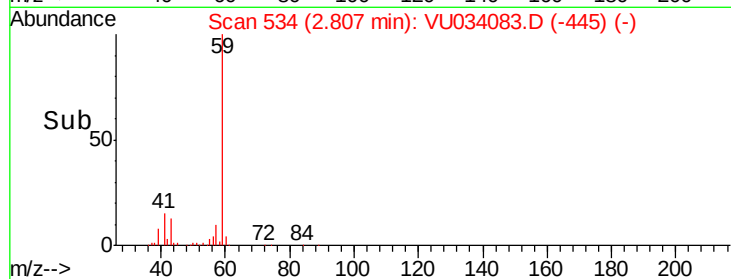
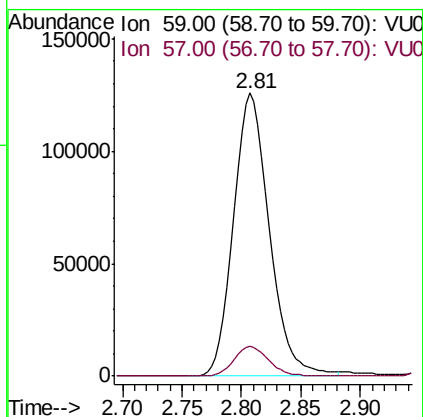
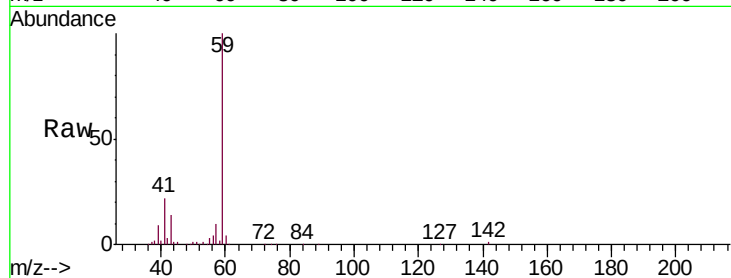


#11

Tert butyl alcohol
 Concen: 203.871 ug/l
 RT: 2.81 min Scan# 534
 Delta R.T. -0.01 min
 Lab File: VU034083.D
 Acq: 30 Aug 2019 09:13

Instrument :
 MSVOA_U
 ClientSampled :

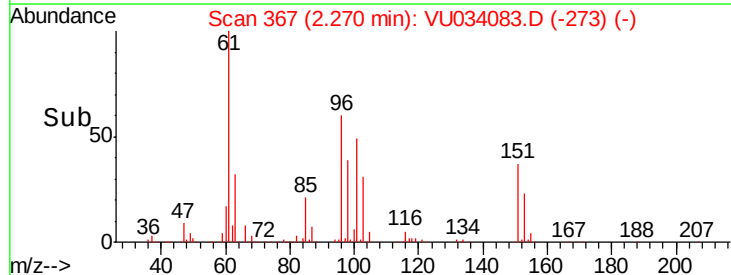
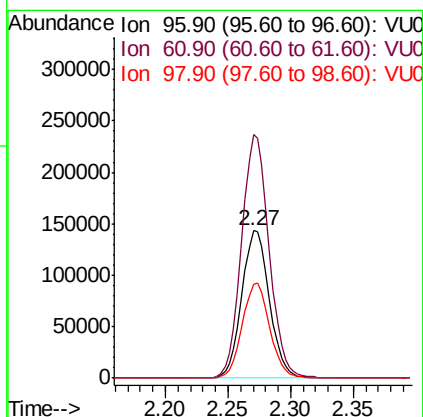
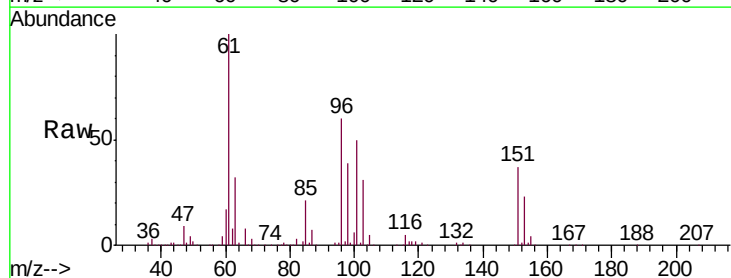
Tot Ion: 59 Resp: 263178
 Ion Ratio Lower Upper
 59 100
 57 10.3 8.0 12.0

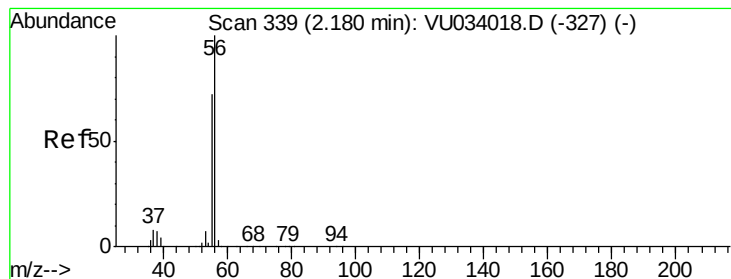


#12

1,1-Dichloroethene
 Concen: 50.126 ug/l
 RT: 2.27 min Scan# 367
 Delta R.T. 0.00 min
 Lab File: VU034083.D
 Acq: 30 Aug 2019 09:13

Tgt Ion: 96 Resp: 219229
 Ion Ratio Lower Upper
 96 100
 61 165.8 131.3 196.9
 98 64.2 50.3 75.5





#13

Acrolein

Concen: 163.514 ug/l

RT: 2.18 min Scan# 340

Delta R.T. 0.00 min

Lab File: VU034083.D

Acq: 30 Aug 2019 09:13

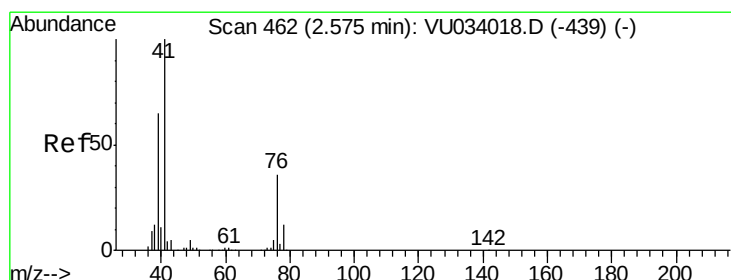
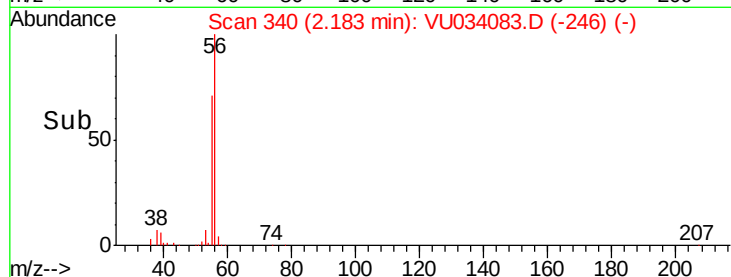
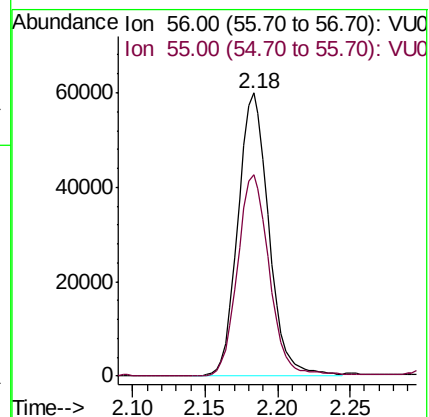
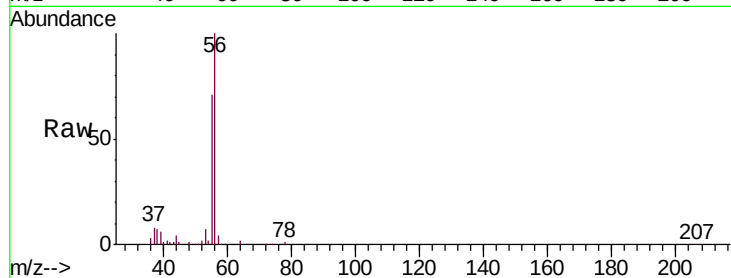
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 56 Resp: 88796

Ion Ratio Lower Upper

56 100

55 73.4 57.1 85.7



#14

Allyl chloride

Concen: 43.475 ug/l

RT: 2.58 min Scan# 463

Delta R.T. 0.00 min

Lab File: VU034083.D

Acq: 30 Aug 2019 09:13

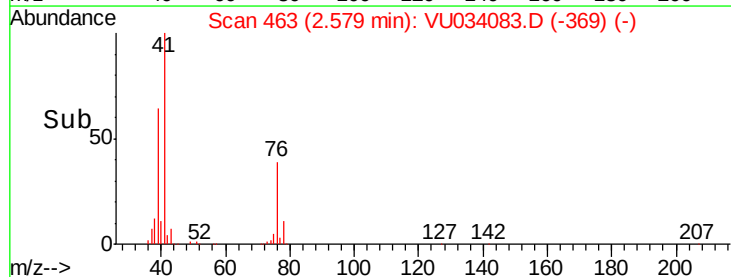
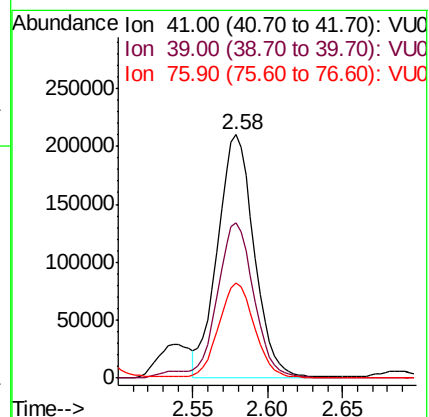
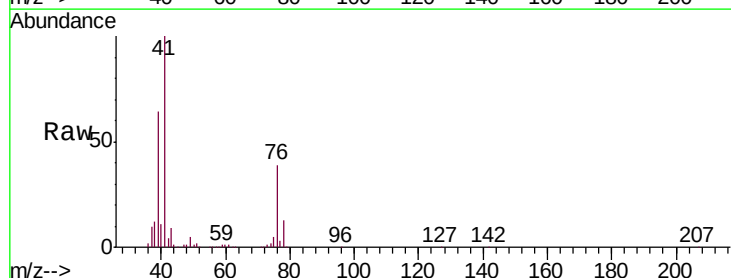
Tgt Ion: 41 Resp: 357496

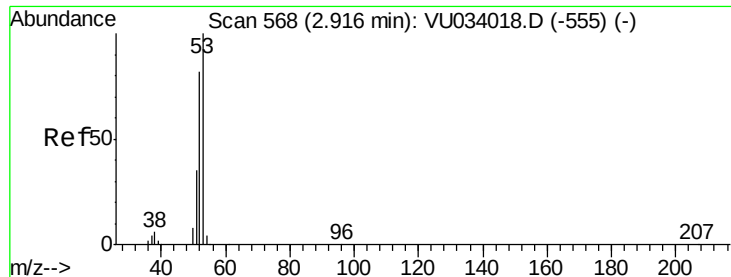
Ion Ratio Lower Upper

41 100

39 63.0 46.8 70.2

76 37.9 26.6 40.0





#15

Acrylonitrile

Concen: 248.414 ug/l

RT: 2.92 min Scan# 568

Delta R.T. 0.00 min

Lab File: VU034083.D

Acq: 30 Aug 2019 09:13

Instrument :

MSVOA_U

ClientSampleId :

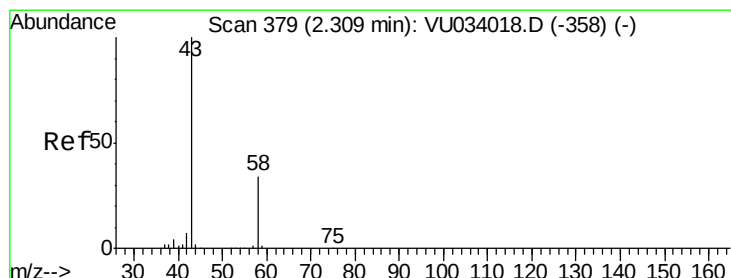
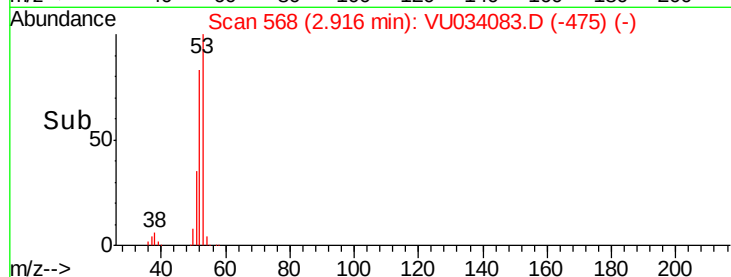
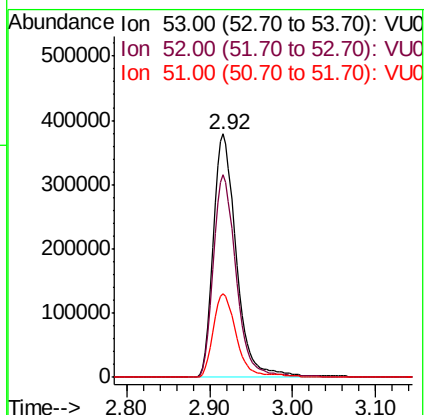
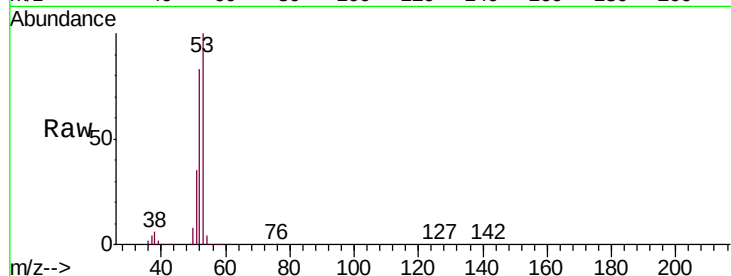
Tot Ion: 53 Resp: 735857

Ion Ratio Lower Upper

53 100

52 81.9 65.7 98.5

51 35.2 27.9 41.9



#16

Acetone

Concen: 287.023 ug/l

RT: 2.31 min Scan# 378

Delta R.T. -0.00 min

Lab File: VU034083.D

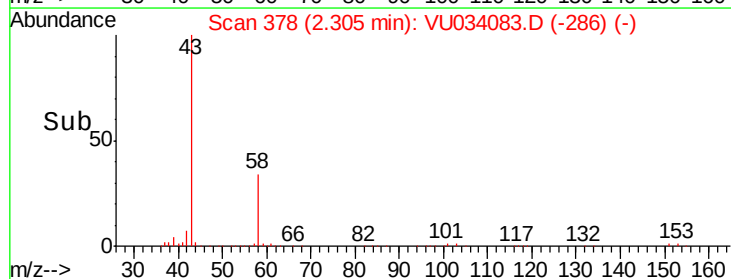
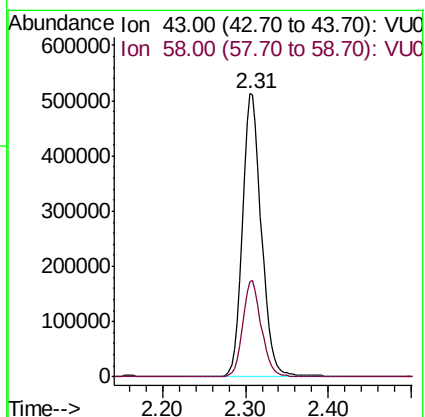
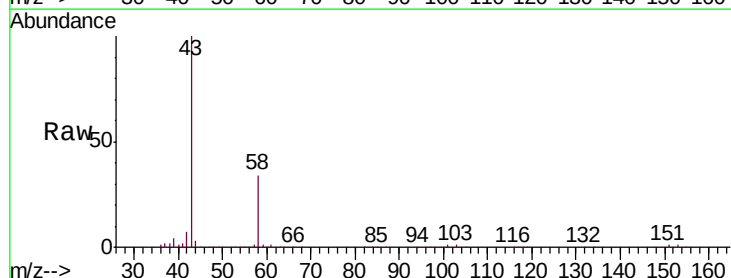
Acq: 30 Aug 2019 09:13

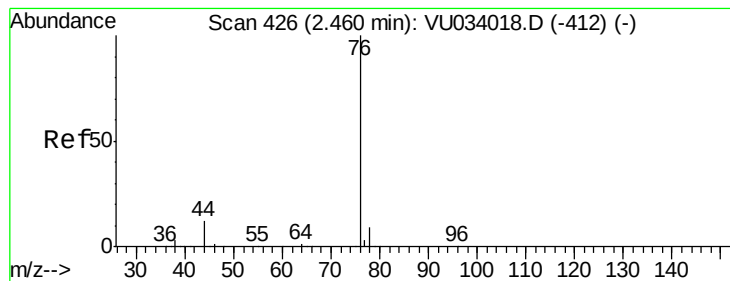
Tgt Ion: 43 Resp: 819823

Ion Ratio Lower Upper

43 100

58 33.7 26.8 40.2





#17

Carbon Disulfide

Concen: 47.322 ug/l

RT: 2.46 min Scan# 427

Delta R.T. 0.00 min

Lab File: VU034083.D

Acq: 30 Aug 2019 09:13

Instrument :

MSVOA_U

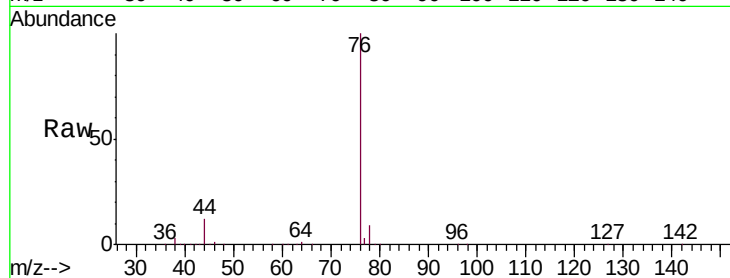
ClientSampleId :

Tot Ion: 76 Resp: 655039

Ion Ratio Lower Upper

76 100

78 9.0 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

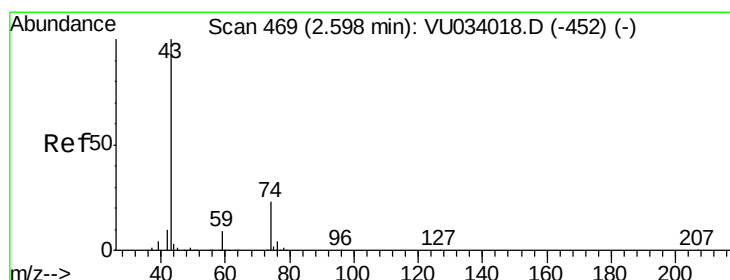
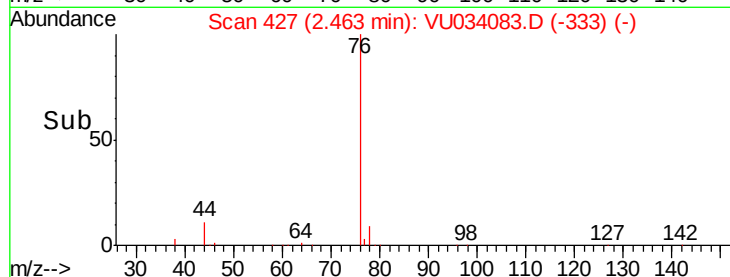
300000

200000

100000

0

Time-->



#18

Methyl Acetate

Concen: 45.944 ug/l

RT: 2.60 min Scan# 470

Delta R.T. 0.00 min

Lab File: VU034083.D

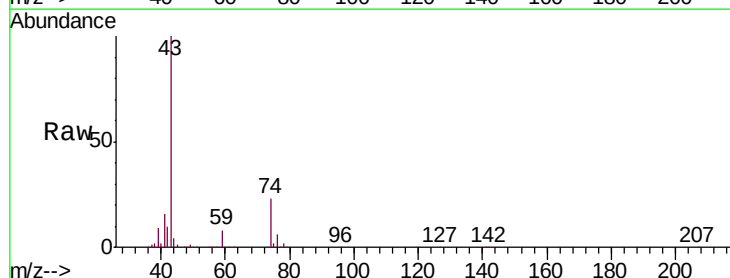
Acq: 30 Aug 2019 09:13

Tgt Ion: 43 Resp: 339122

Ion Ratio Lower Upper

43 100

74 23.9 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

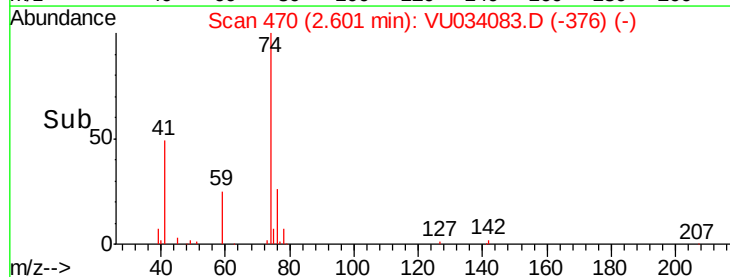
150000

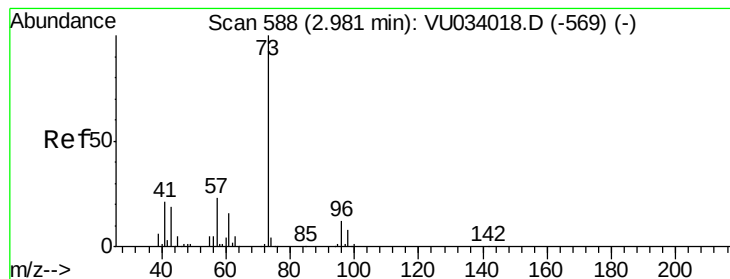
100000

50000

0

Time-->



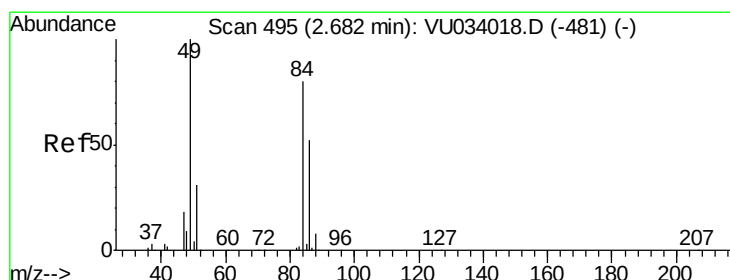
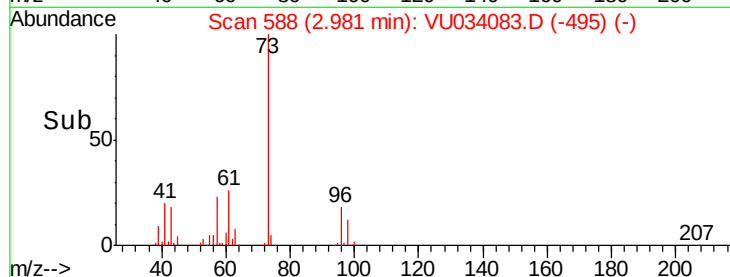
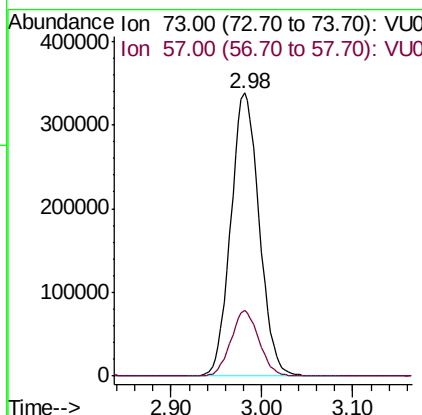
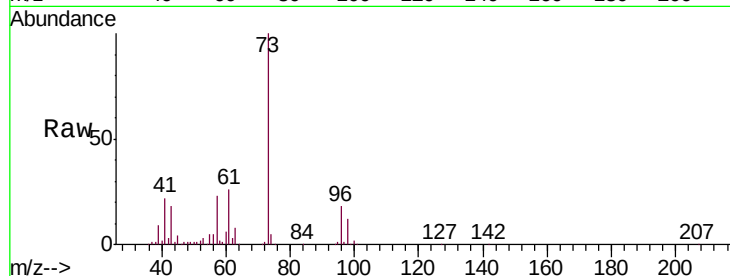


#19

Methyl tert-butyl Ether
 Concen: 51.214 ug/l
 RT: 2.98 min Scan# 588
 Delta R.T. 0.00 min
 Lab File: VU034083.D
 Acq: 30 Aug 2019 09:13

Instrument :
 MSVOA_U
 ClientSampleId :

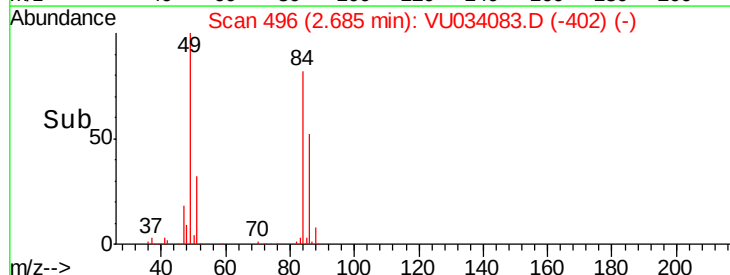
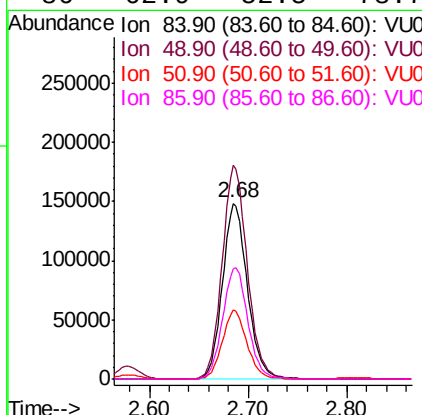
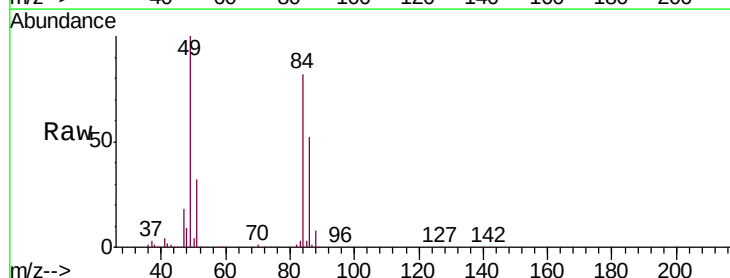
Tot Ion: 73 Resp: 733901
 Ion Ratio Lower Upper
 73 100
 57 23.1 18.3 27.5

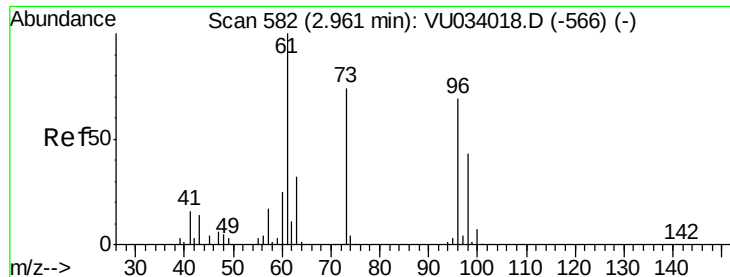


#20

Methylene Chloride
 Concen: 48.732 ug/l
 RT: 2.68 min Scan# 496
 Delta R.T. 0.00 min
 Lab File: VU034083.D
 Acq: 30 Aug 2019 09:13

Tgt Ion: 84 Resp: 263509
 Ion Ratio Lower Upper
 84 100
 49 121.4 100.2 150.4
 51 39.2 30.8 46.2
 86 62.9 52.5 78.7





#21

trans-1,2-Dichloroethene

Concen: 49.679 ug/l

RT: 2.96 min Scan# 583

Delta R.T. 0.00 min

Lab File: VU034083.D

Acq: 30 Aug 2019 09:13

Instrument :

MSVOA_U

ClientSampled :

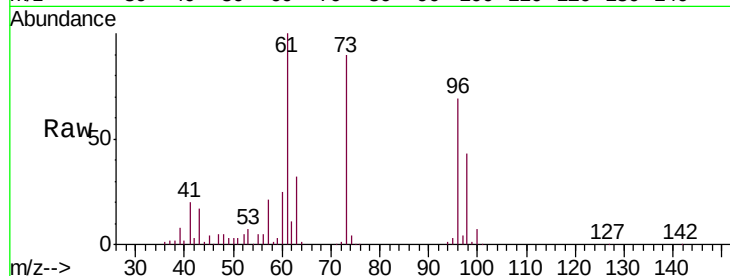
Tot Ion: 96 Resp: 235806

Ion Ratio Lower Upper

96 100

61 145.2 115.5 173.3

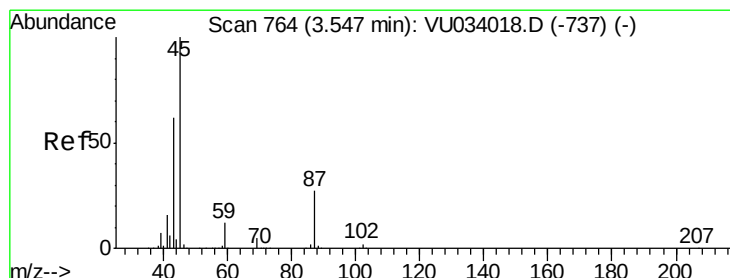
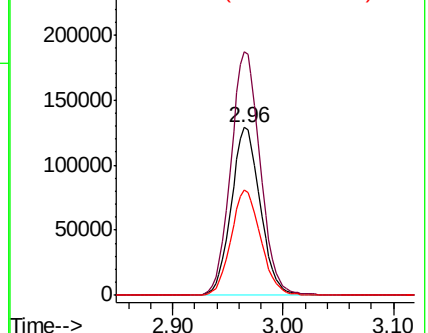
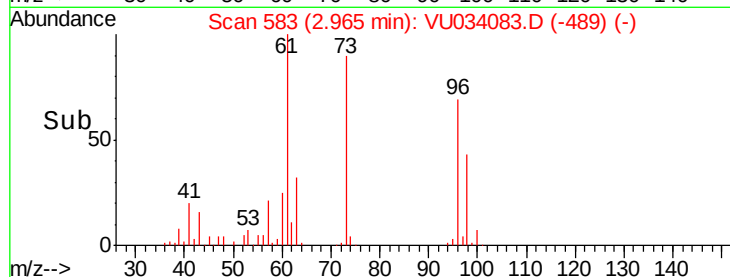
98 62.6 50.1 75.1



Abundance Ion 95.90 (95.60 to 96.60): VU034083.D (-489) (-)

Ion 60.90 (60.60 to 61.60): VU034083.D (-489) (-)

Ion 97.90 (97.60 to 98.60): VU034083.D (-489) (-)



#22

Diisopropyl ether

Concen: 51.604 ug/l

RT: 3.55 min Scan# 765

Delta R.T. 0.00 min

Lab File: VU034083.D

Acq: 30 Aug 2019 09:13

Tgt Ion: 45 Resp: 777578

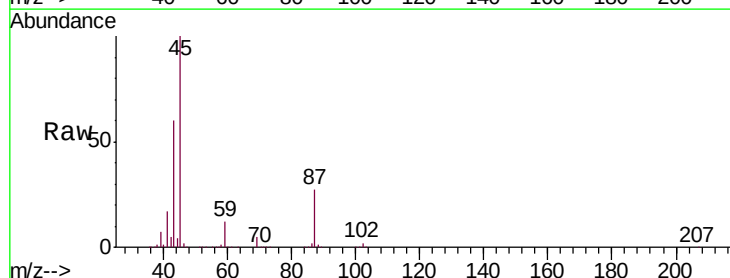
Ion Ratio Lower Upper

45 100

43 59.2 49.7 74.5

87 27.2 21.8 32.8

59 12.2 9.3 13.9

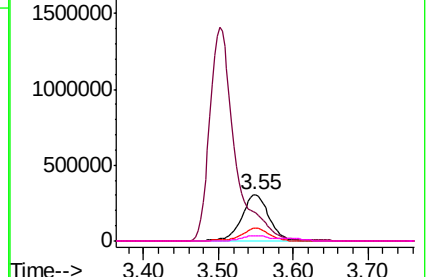
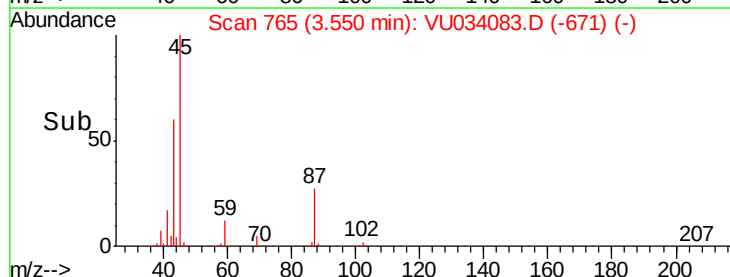


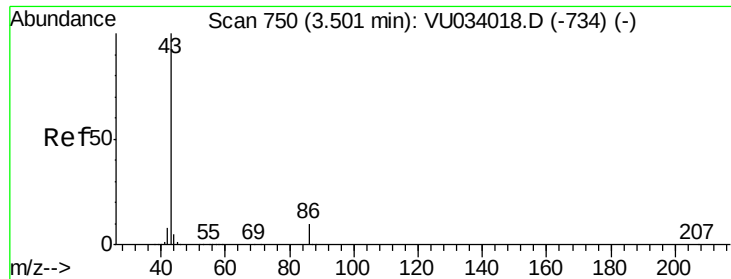
Abundance Ion 45.00 (44.70 to 45.70): VU034083.D (-671) (-)

Ion 43.00 (42.70 to 43.70): VU034083.D (-671) (-)

Ion 87.00 (86.70 to 87.70): VU034083.D (-671) (-)

Ion 59.00 (58.70 to 59.70): VU034083.D (-671) (-)





#23

Vinyl Acetate

Concen: 257.009 ug/l

RT: 3.50 min Scan# 750

Delta R.T. 0.00 min

Lab File: VU034083.D

Acq: 30 Aug 2019 09:13

Instrument :

MSVOA_U

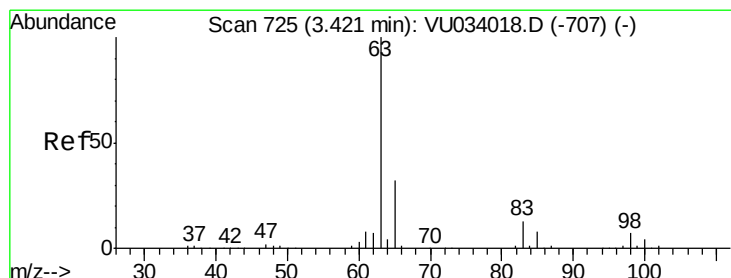
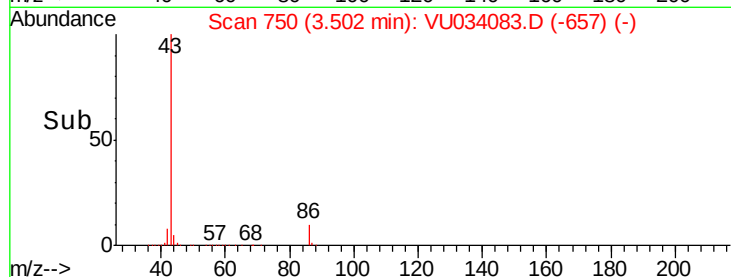
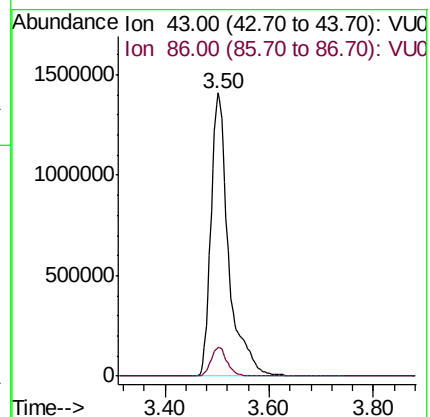
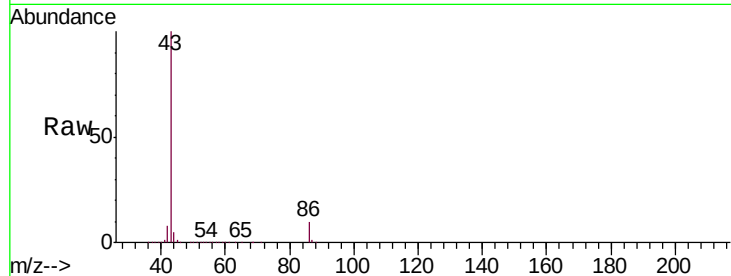
ClientSampleId :

Tot Ion: 43 Resp: 3326716

Ion Ratio Lower Upper

43 100

86 10.1 8.3 12.5



#24

1,1-Dichloroethane

Concen: 50.398 ug/l

RT: 3.42 min Scan# 726

Delta R.T. 0.00 min

Lab File: VU034083.D

Acq: 30 Aug 2019 09:13

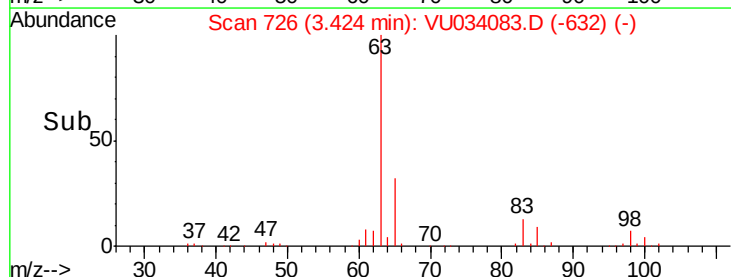
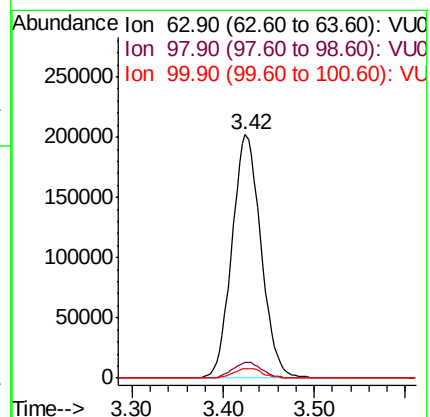
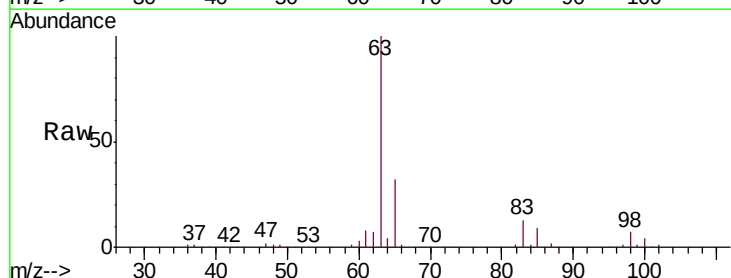
Tgt Ion: 63 Resp: 448341

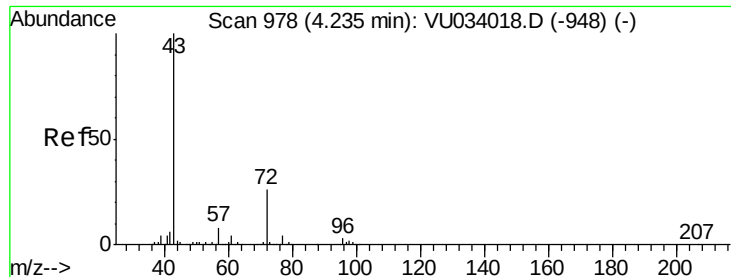
Ion Ratio Lower Upper

63 100

98 6.5 3.3 9.8

100 4.0 2.0 6.0





#25

2-Butanone

Concen: 268.489 ug/l

RT: 4.23 min Scan# 978

Delta R.T. 0.00 min

Lab File: VU034083.D

Acq: 30 Aug 2019 09:13

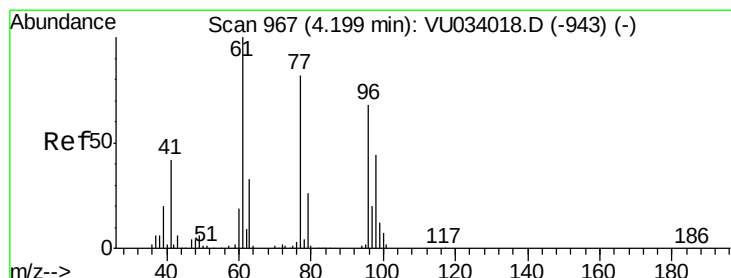
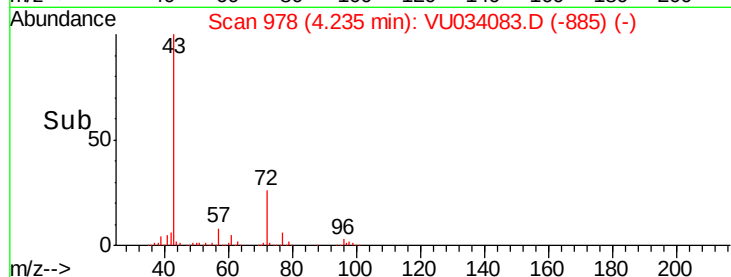
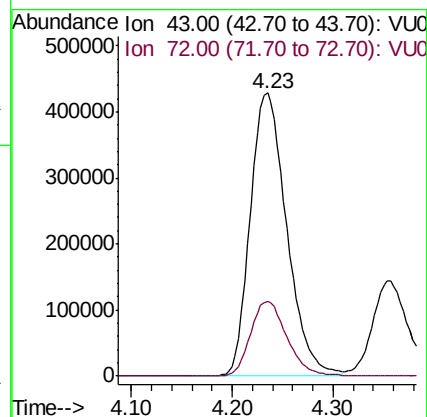
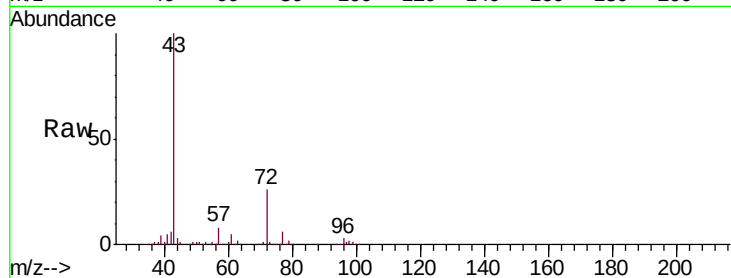
Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 43 Resp: 1066937

Ion Ratio Lower Upper

43 100

72 26.5 21.2 31.8



#26

2,2-Dichloropropane

Concen: 50.175 ug/l

RT: 4.20 min Scan# 968

Delta R.T. 0.00 min

Lab File: VU034083.D

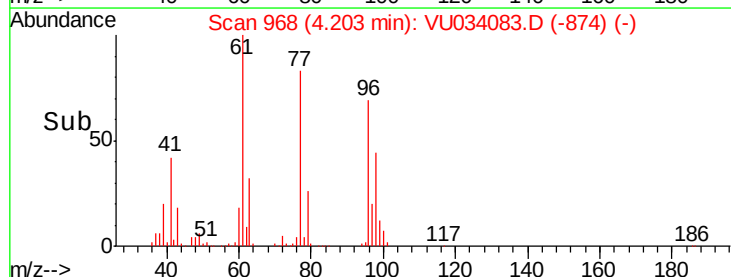
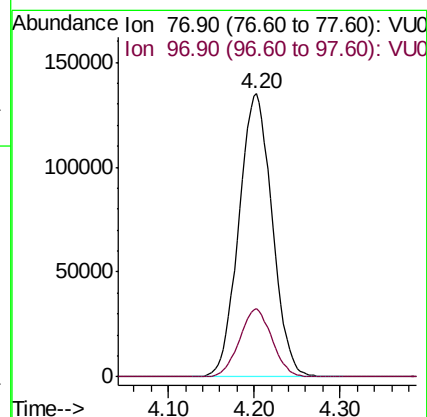
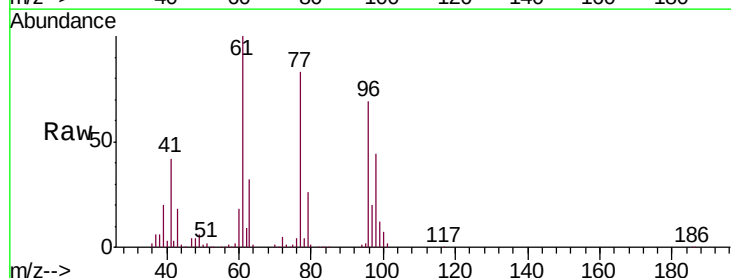
Acq: 30 Aug 2019 09:13

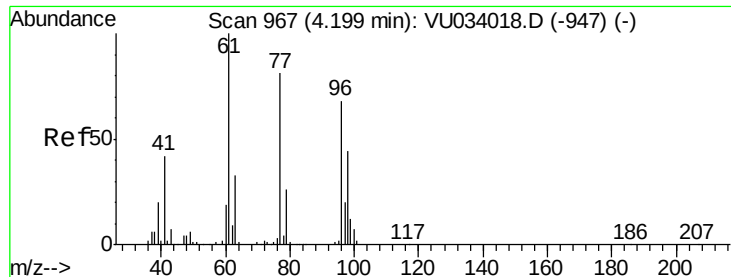
Tgt Ion: 77 Resp: 363200

Ion Ratio Lower Upper

77 100

97 23.5 11.6 34.7





#27

cis-1,2-Dichloroethene

Concen: 49.748 ug/l

RT: 4.20 min Scan# 968

Delta R.T. 0.00 min

Lab File: VU034083.D

Acq: 30 Aug 2019 09:13

Instrument :
MSVOA_U
ClientSampled :

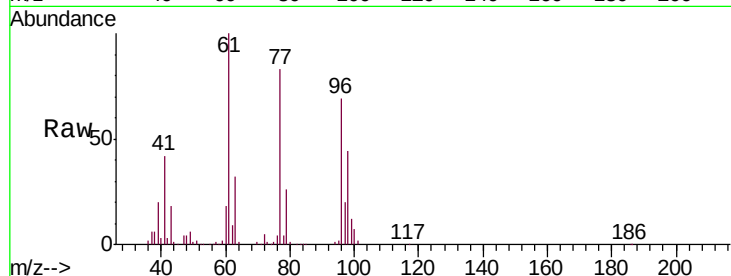
Tot Ion: 96 Resp: 265042

Ion Ratio Lower Upper

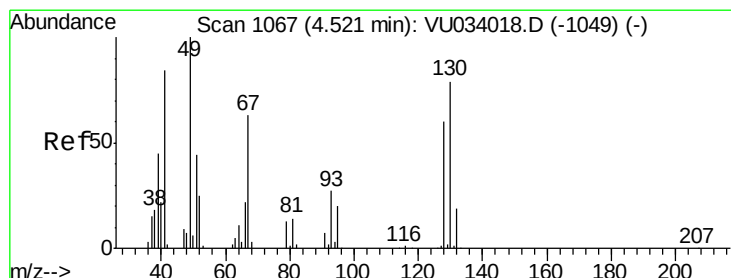
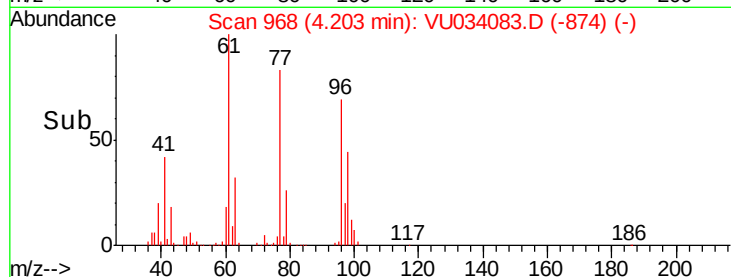
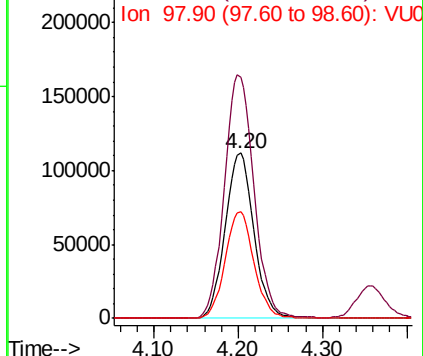
96 100

61 151.6 0.0 303.0

98 64.7 0.0 129.2



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



#28

Bromochloromethane

Concen: 46.490 ug/l

RT: 4.52 min Scan# 1068

Delta R.T. 0.00 min

Lab File: VU034083.D

Acq: 30 Aug 2019 09:13

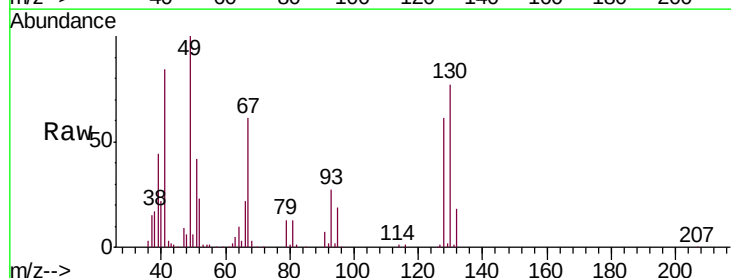
Tgt Ion: 49 Resp: 203762

Ion Ratio Lower Upper

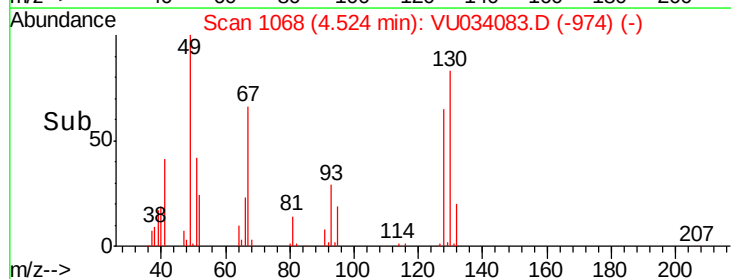
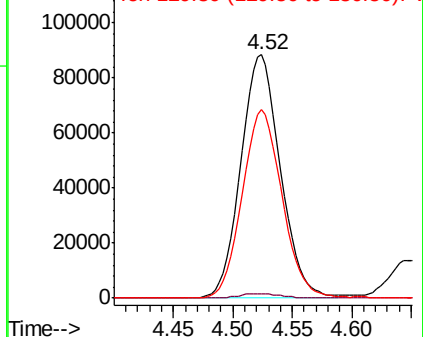
49 100

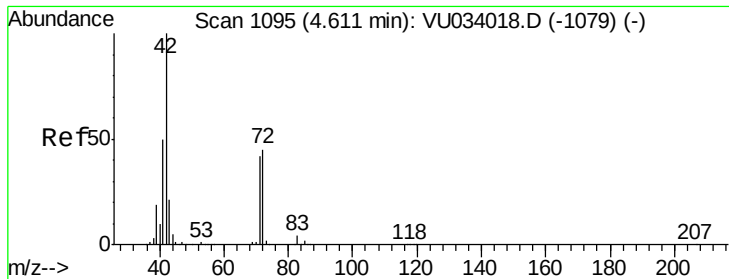
129 1.8 0.0 3.6

130 77.7 62.8 94.2



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

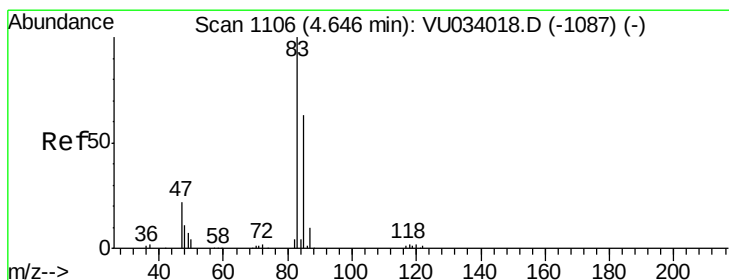
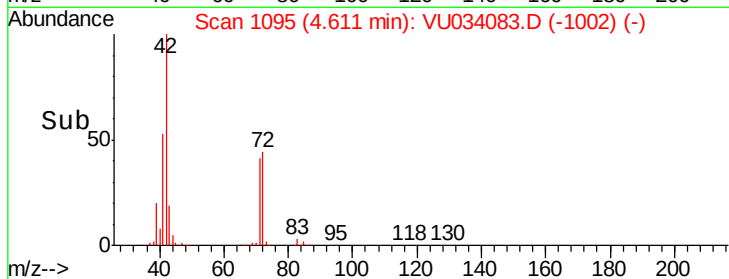
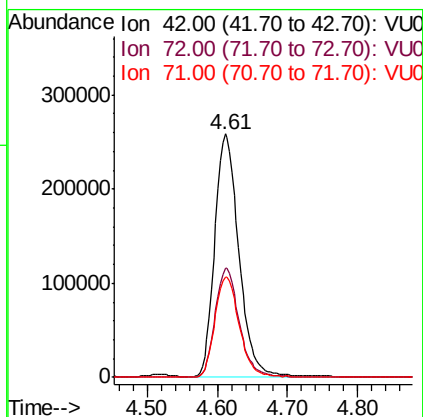
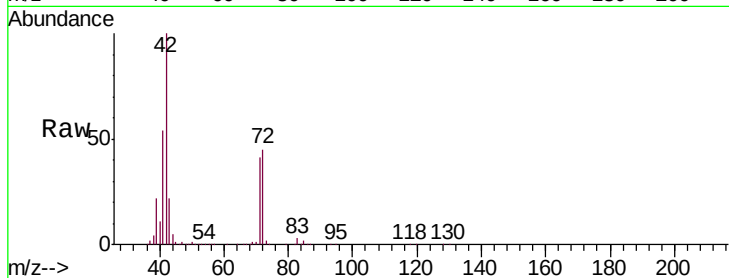




#29
Tetrahydrofuran
Concen: 251.045 ug/l
RT: 4.61 min Scan# 1095
Delta R.T. 0.00 min
Lab File: VU034083.D
Acq: 30 Aug 2019 09:13

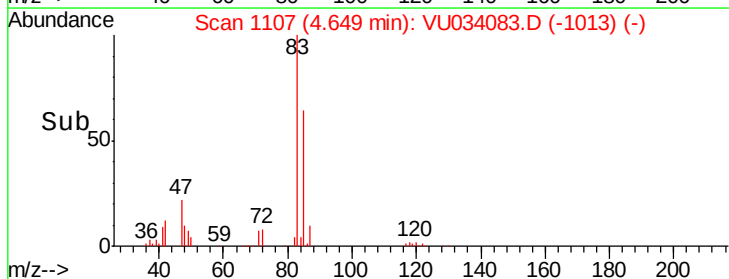
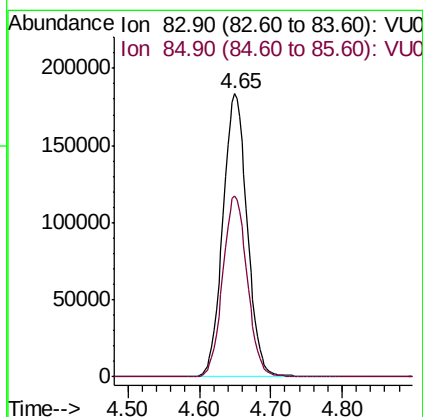
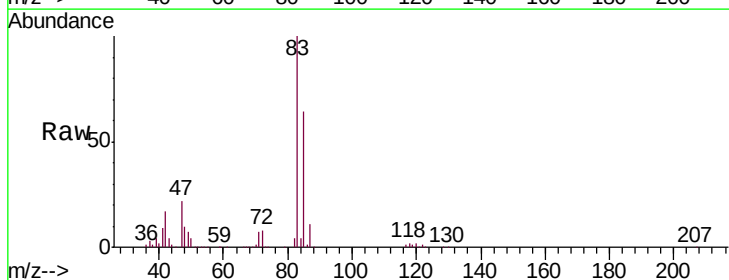
Instrument :
MSVOA_U
ClientSampleId :

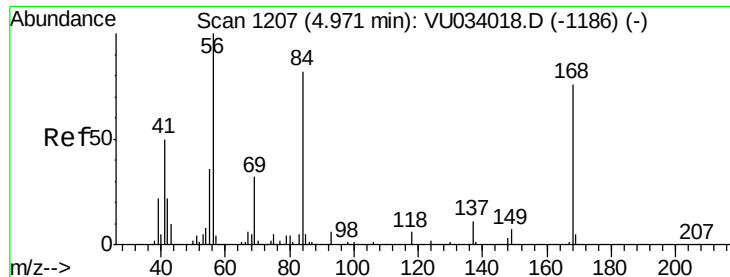
Tot Ion: 42 Resp: 615230
Ion Ratio Lower Upper
42 100
72 44.9 35.8 53.6
71 41.7 34.0 51.0



#30
Chloroform
Concen: 49.049 ug/l
RT: 4.65 min Scan# 1107
Delta R.T. 0.00 min
Lab File: VU034083.D
Acq: 30 Aug 2019 09:13

Tgt Ion: 83 Resp: 435350
Ion Ratio Lower Upper
83 100
85 64.0 50.7 76.1





#31

Cyclohexane

Concen: 48.016 ug/l

RT: 4.97 min Scan# 1208

Delta R.T. 0.00 min

Lab File: VU034083.D

Acq: 30 Aug 2019 09:13

Instrument :
MSVOA_U
ClientSampled :

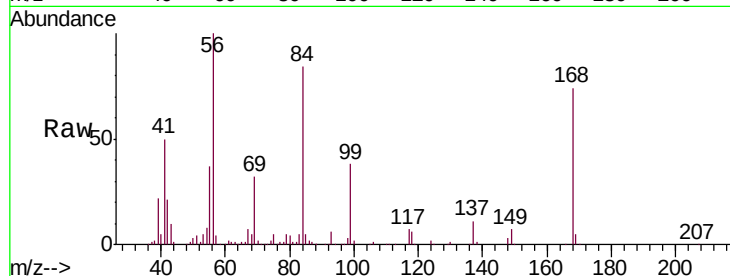
Tot Ion: 56 Resp: 401375

Ion Ratio Lower Upper

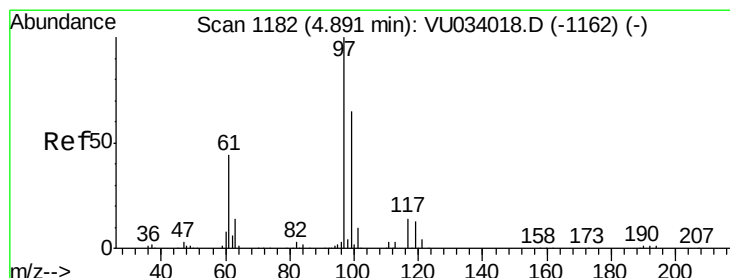
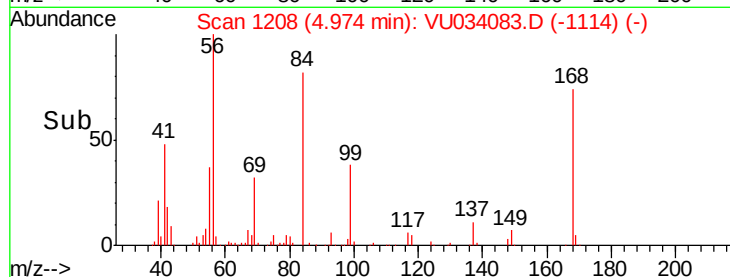
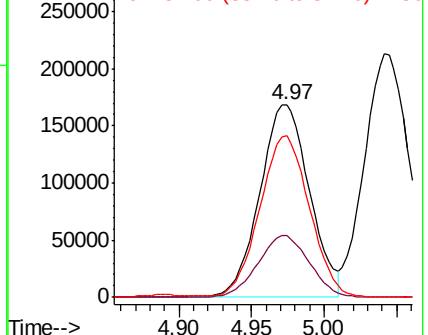
56 100

69 31.8 25.4 38.0

84 82.7 65.8 98.8



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



#32

1,1,1-Trichloroethane

Concen: 50.223 ug/l

RT: 4.89 min Scan# 1182

Delta R.T. 0.00 min

Lab File: VU034083.D

Acq: 30 Aug 2019 09:13

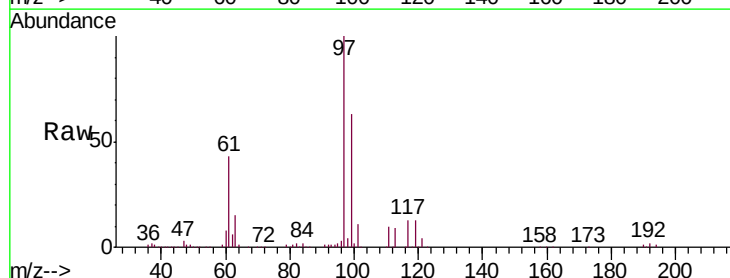
Tgt Ion: 97 Resp: 365089

Ion Ratio Lower Upper

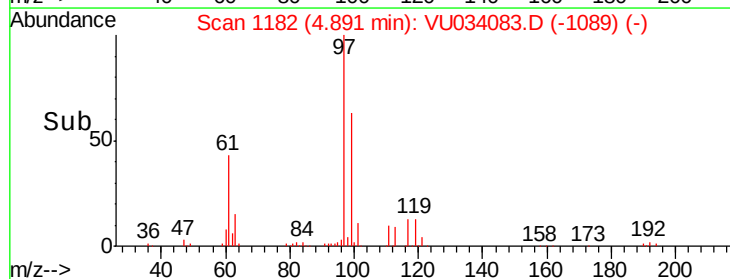
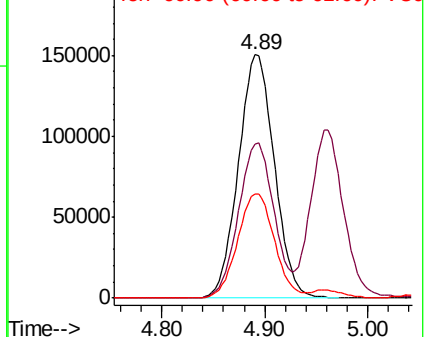
97 100

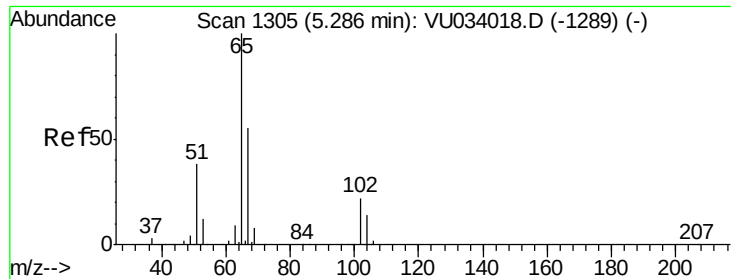
99 63.0 51.8 77.6

61 43.9 35.3 52.9



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

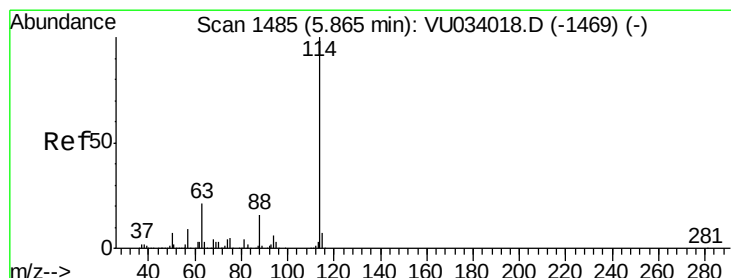
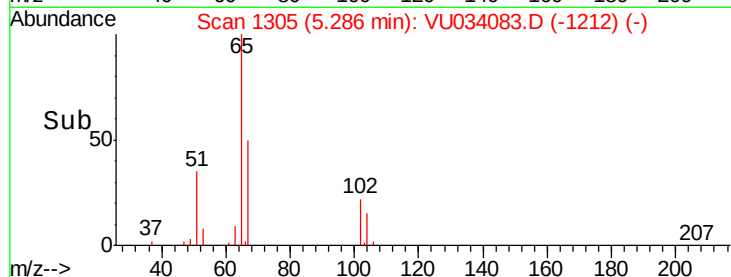
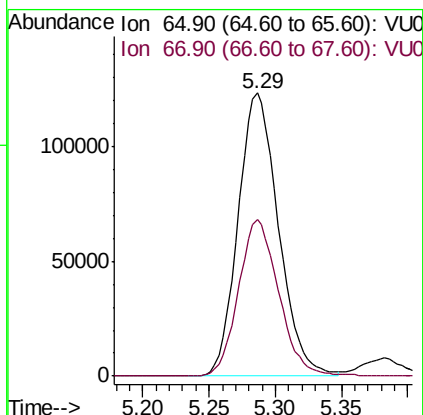
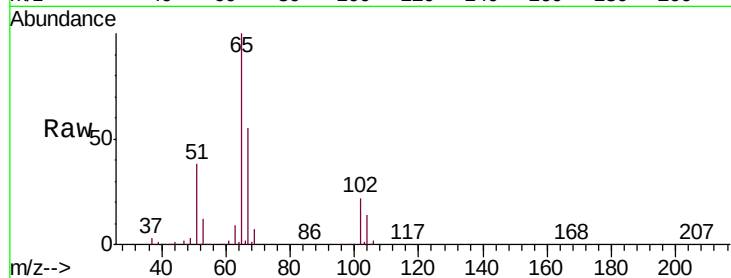




#33
 1,2-Dichloroethane-d4
 Concen: 46.707 ug/l
 RT: 5.29 min Scan# 1305
 Delta R.T. 0.00 min
 Lab File: VU034083.D
 Acq: 30 Aug 2019 09:13

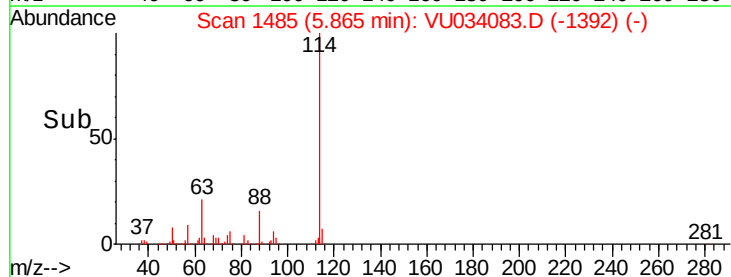
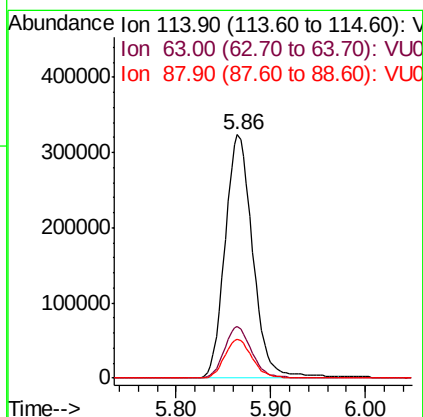
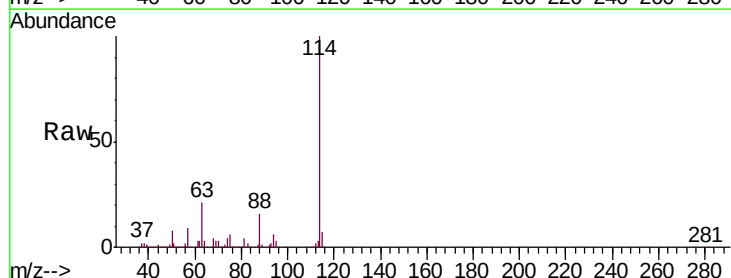
Instrument :
 MSVOA_U
 ClientSampled :

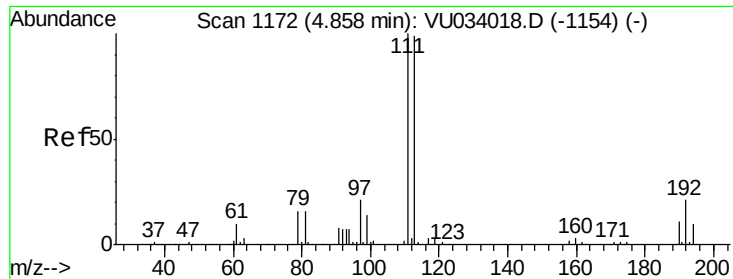
Tot Ion: 65 Resp: 261463
 Ion Ratio Lower Upper
 65 100
 67 55.1 0.0 110.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.86 min Scan# 1485
 Delta R.T. 0.00 min
 Lab File: VU034083.D
 Acq: 30 Aug 2019 09:13

Tgt Ion: 114 Resp: 659838
 Ion Ratio Lower Upper
 114 100
 63 21.1 0.0 42.0
 88 15.7 0.0 32.0

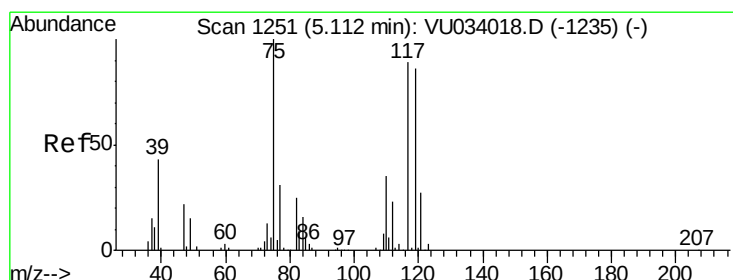
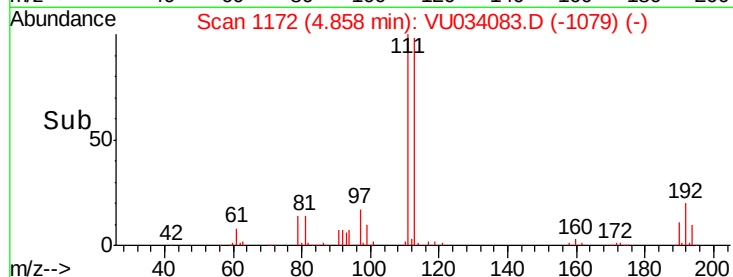
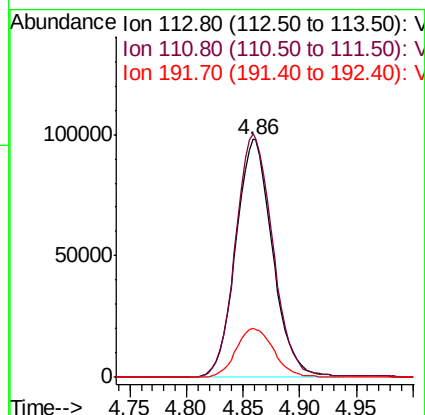
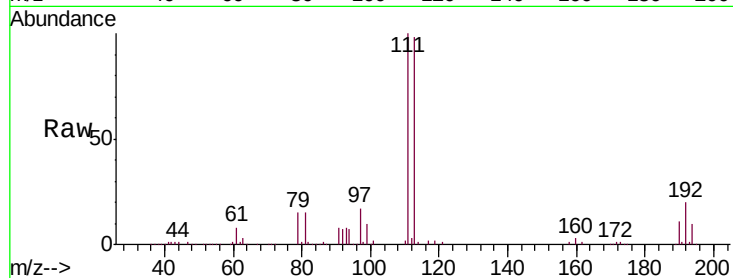




#35
 Dibromofluoromethane
 Concen: 48.448 ug/l
 RT: 4.86 min Scan# 1172
 Delta R.T. 0.00 min
 Lab File: VU034083.D
 Acq: 30 Aug 2019 09:13

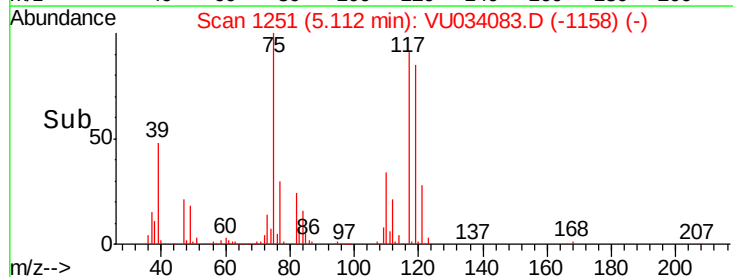
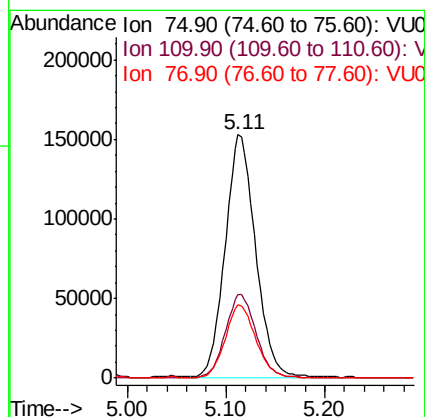
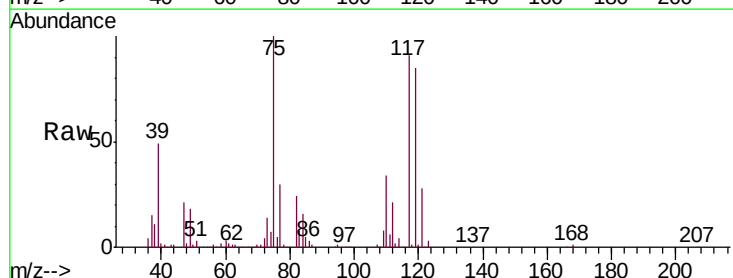
Instrument :
 MSVOA_U
 ClientSampled :

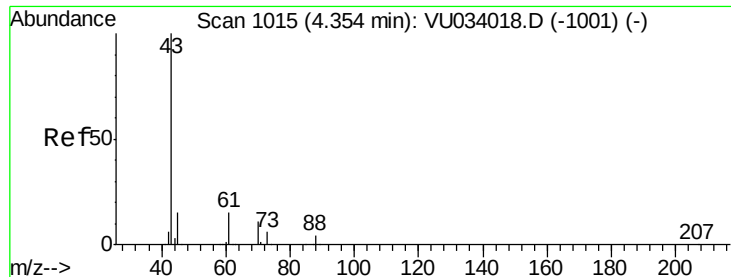
Tot Ion	Ratio	Lower	Upper
113	100		
111	103.4	81.7	122.5
192	21.2	17.1	25.7



#36
 1,1-Dichloropropene
 Concen: 52.394 ug/l
 RT: 5.11 min Scan# 1251
 Delta R.T. 0.00 min
 Lab File: VU034083.D
 Acq: 30 Aug 2019 09:13

Tgt Ion	Ratio	Lower	Upper
75	100		
110	35.1	17.8	53.5
77	30.4	25.0	37.4

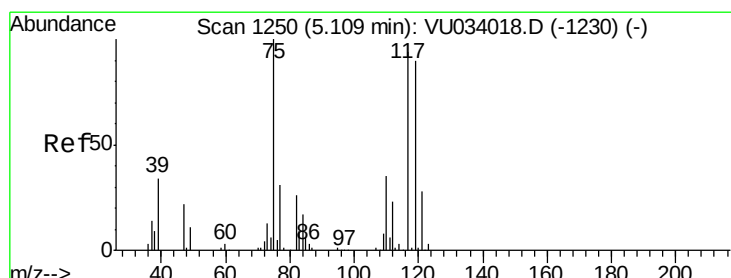
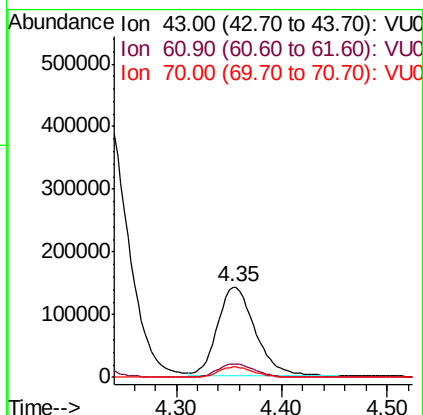
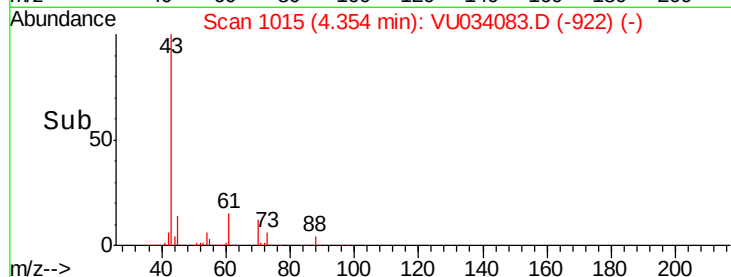
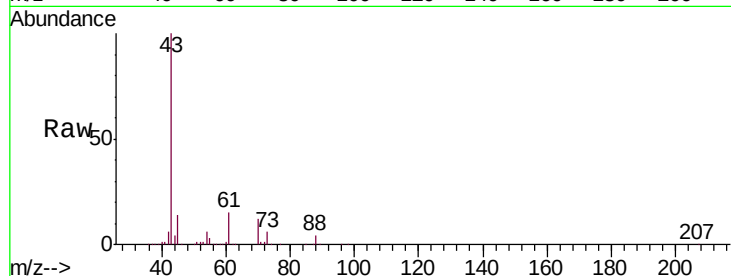




#37
Ethyl Acetate
Concen: 50.563 ug/l
RT: 4.35 min Scan# 1015
Delta R.T. 0.00 min
Lab File: VU034083.D
Acq: 30 Aug 2019 09:13

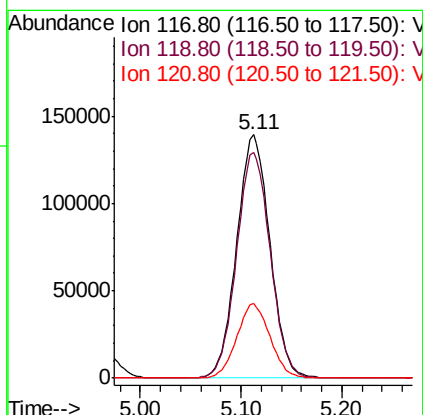
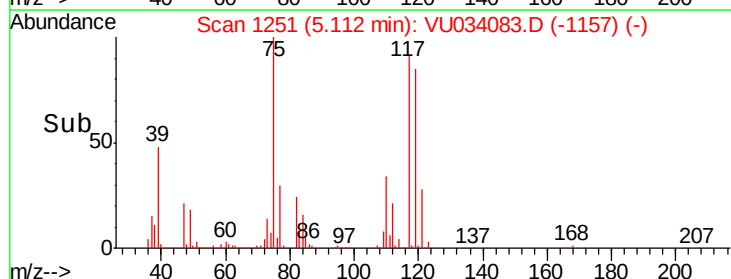
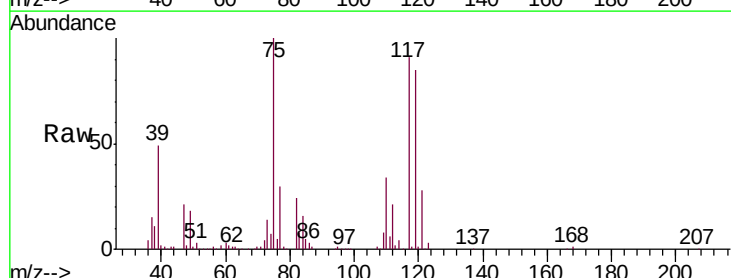
Instrument :
MSVOA_U
ClientSampled :

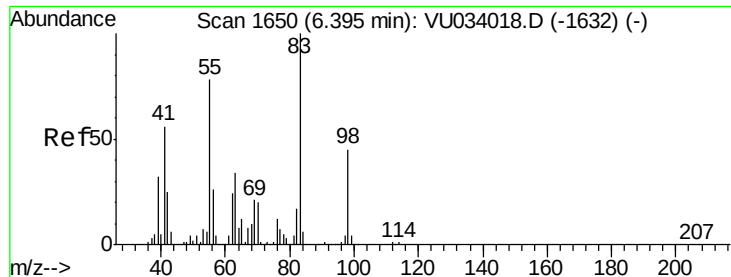
Tot Ion: 43 Resp: 353384
Ion Ratio Lower Upper
43 100
61 14.8 11.5 17.3
70 11.1 8.6 12.8



#38
Carbon Tetrachloride
Concen: 52.669 ug/l
RT: 5.11 min Scan# 1251
Delta R.T. 0.00 min
Lab File: VU034083.D
Acq: 30 Aug 2019 09:13

Tgt Ion: 117 Resp: 317299
Ion Ratio Lower Upper
117 100
119 93.0 77.0 115.4
121 30.8 23.9 35.9

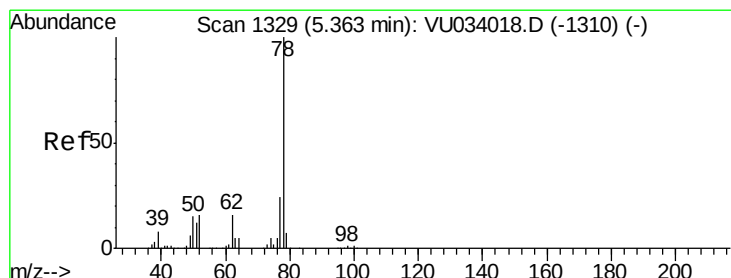
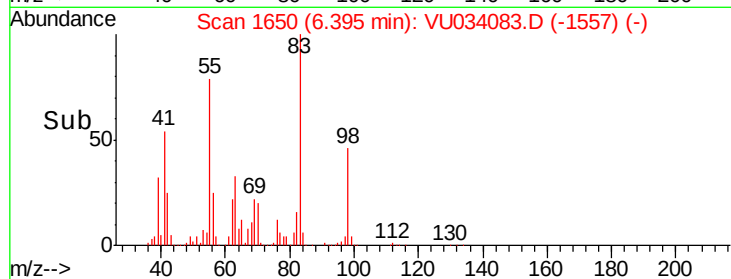
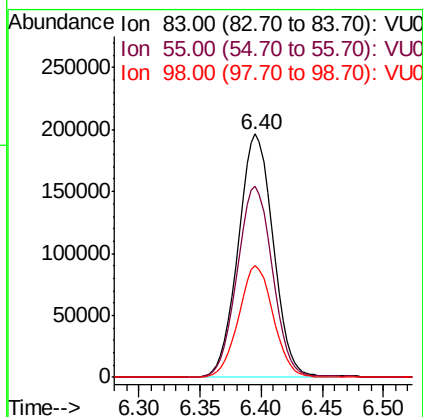
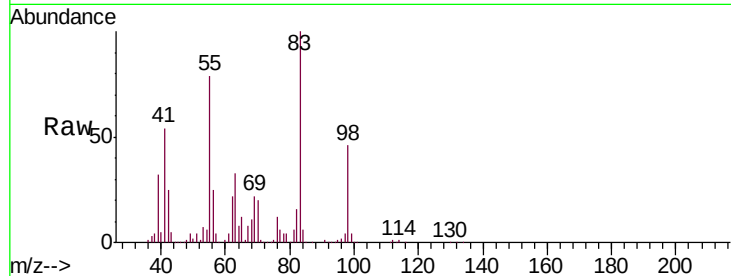




#39
Methylvlcyclohexane
Concen: 52.982 ug/l
RT: 6.40 min Scan# 1650
Delta R.T. 0.00 min
Lab File: VU034083.D
Acq: 30 Aug 2019 09:13

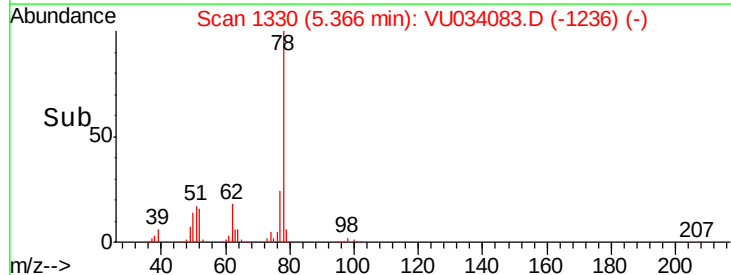
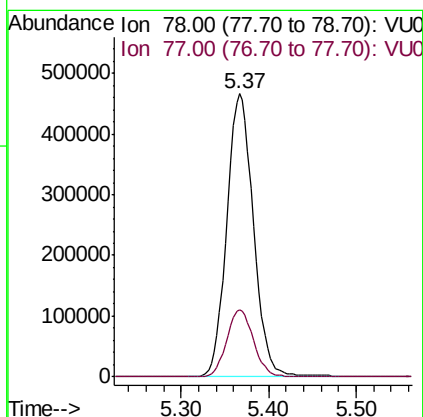
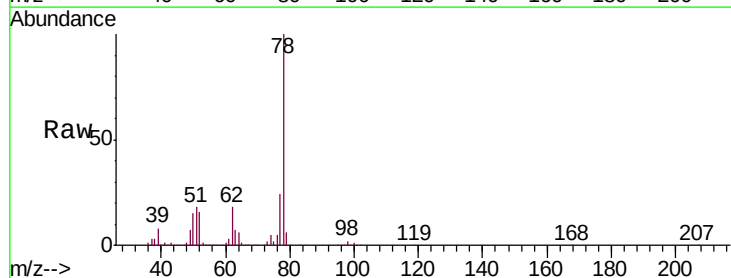
Instrument :
MSVOA_U
ClientSampleId :

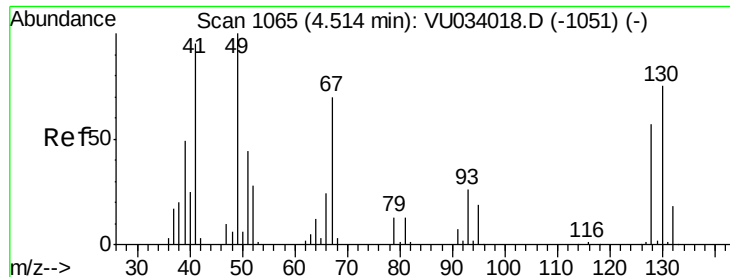
Tot Ion	83	Resp	389741
Ion	Ratio	Lower	Upper
83	100		
55	78.6	62.3	93.5
98	45.7	36.2	54.2



#40
Benzene
Concen: 52.341 ug/l
RT: 5.37 min Scan# 1330
Delta R.T. 0.00 min
Lab File: VU034083.D
Acq: 30 Aug 2019 09:13

Tgt Ion	78	Resp	988367
Ion	Ratio	Lower	Upper
78	100		
77	23.9	19.0	28.6

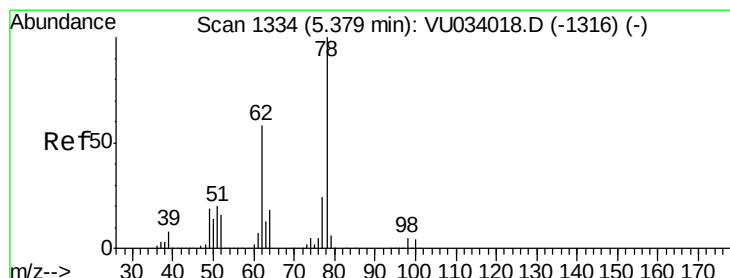
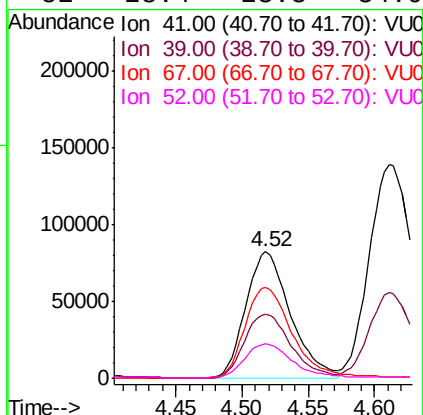
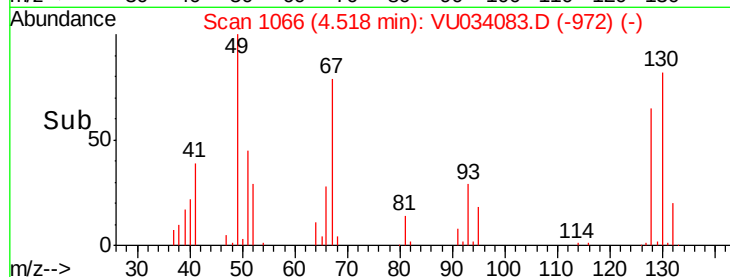
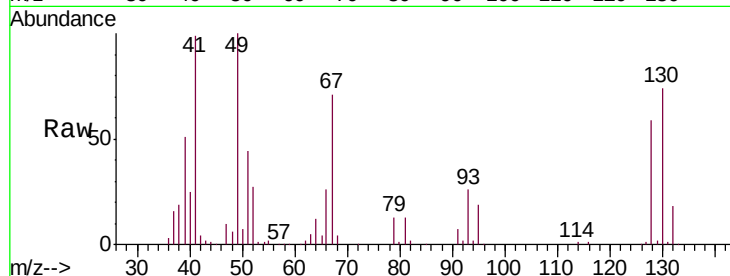




#41
Methacrylonitrile
Concen: 53.639 ug/l
RT: 4.52 min Scan# 1066
Delta R.T. 0.00 min
Lab File: VU034083.D
Acq: 30 Aug 2019 09:13

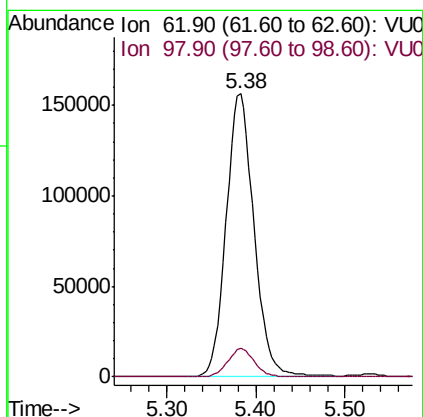
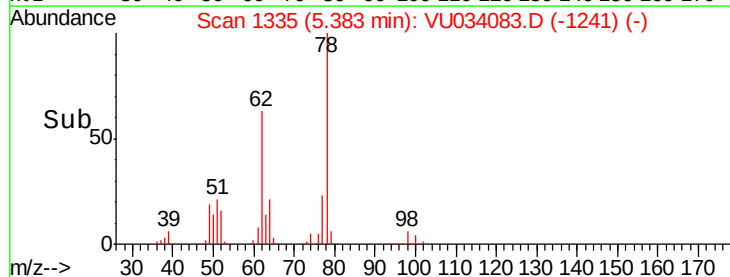
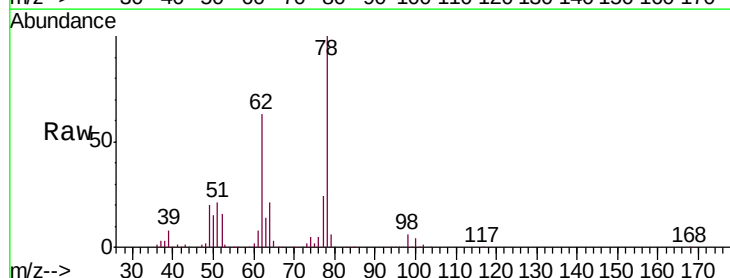
Instrument :
MSVOA_U
ClientSampled :

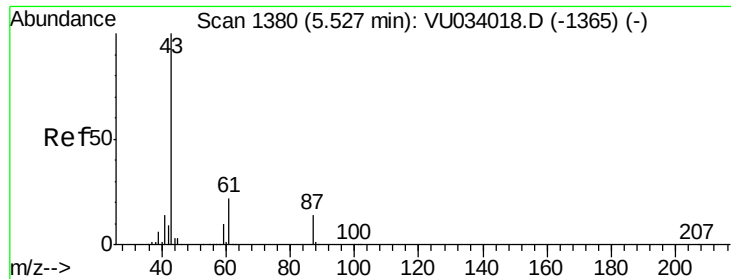
Tot Ion: 41 Resp: 192263
Ion Ratio Lower Upper
41 100
39 52.5 42.1 63.1
67 77.4 61.0 91.4
52 28.4 23.3 34.9



#42
1,2-Dichloroethane
Concen: 51.843 ug/l
RT: 5.38 min Scan# 1335
Delta R.T. 0.00 min
Lab File: VU034083.D
Acq: 30 Aug 2019 09:13

Tgt Ion: 62 Resp: 338048
Ion Ratio Lower Upper
62 100
98 9.6 0.0 18.2





#43

Isopropyl Acetate

Concen: 50.893 ug/l

RT: 5.53 min Scan# 1380

Delta R.T. 0.00 min

Lab File: VU034083.D

Acq: 30 Aug 2019 09:13

Instrument :

MSVOA_U

ClientSampleId :

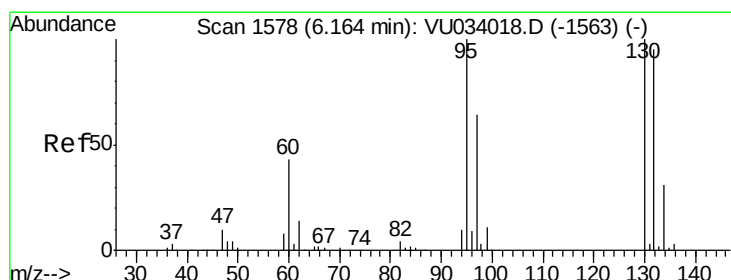
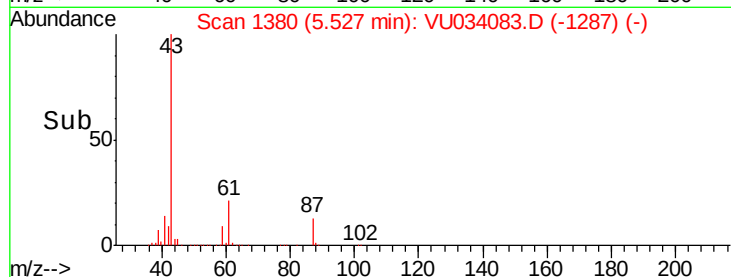
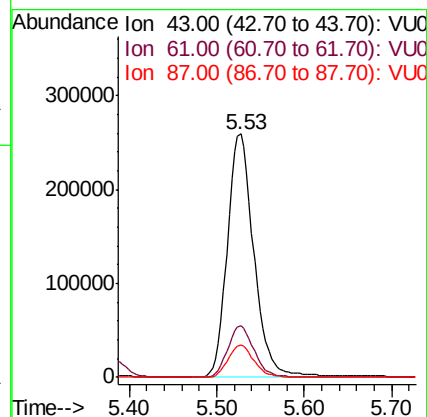
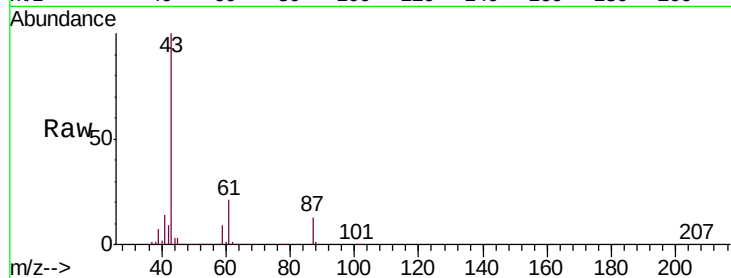
Tot Ion: 43 Resp: 541130

Ion Ratio Lower Upper

43 100

61 21.0 17.2 25.8

87 13.3 10.8 16.2



#44

Trichloroethene

Concen: 52.193 ug/l

RT: 6.16 min Scan# 1578

Delta R.T. 0.00 min

Lab File: VU034083.D

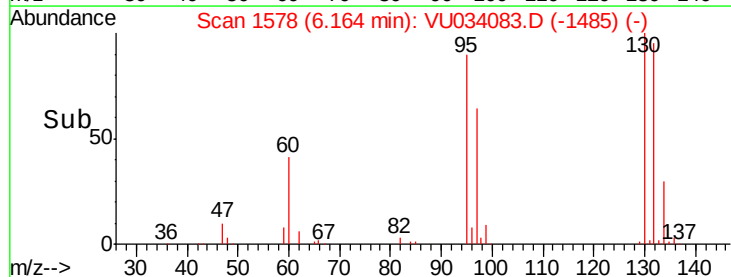
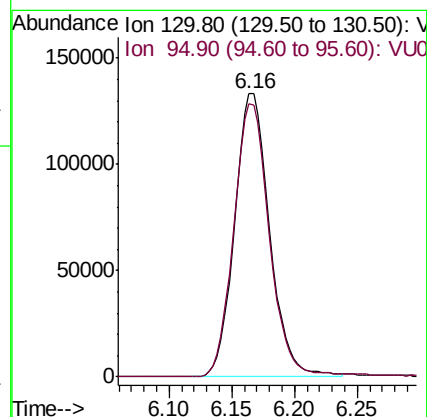
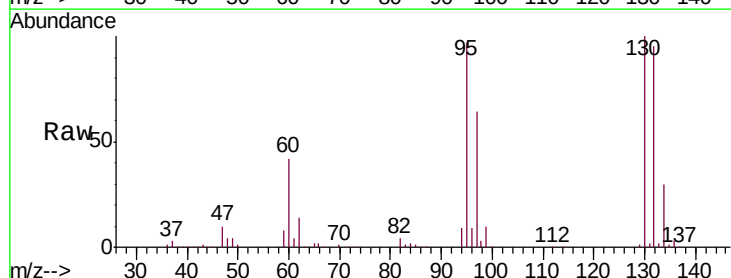
Acq: 30 Aug 2019 09:13

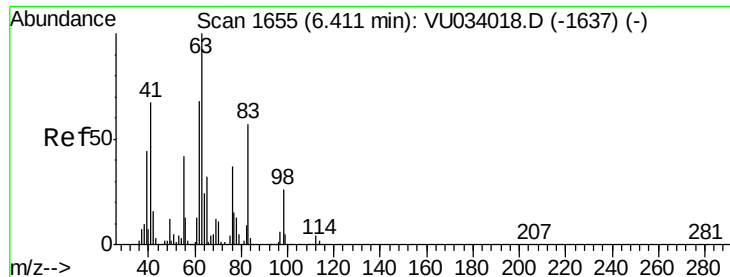
Tgt Ion:130 Resp: 258810

Ion Ratio Lower Upper

130 100

95 96.6 0.0 199.6

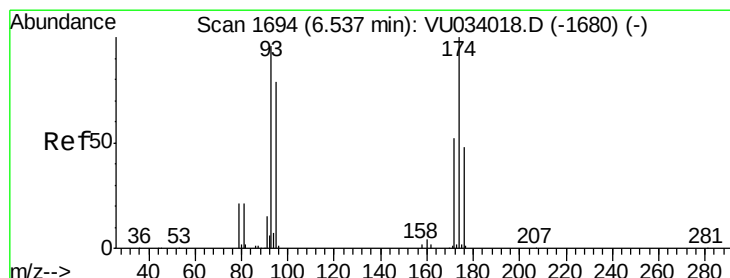
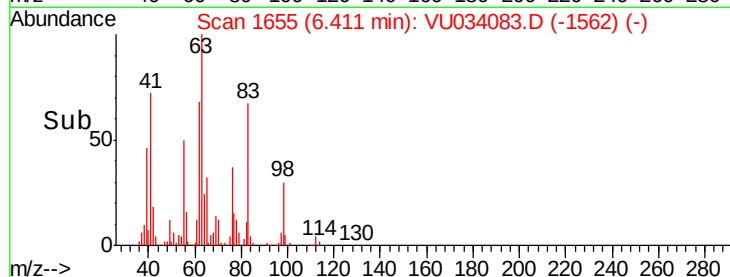
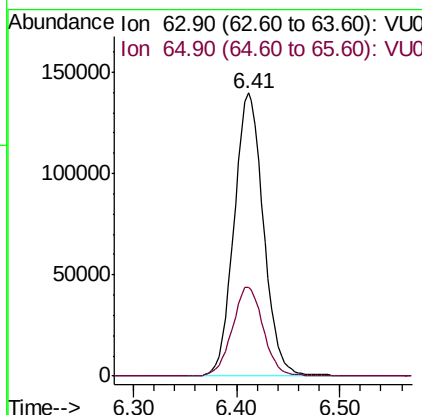
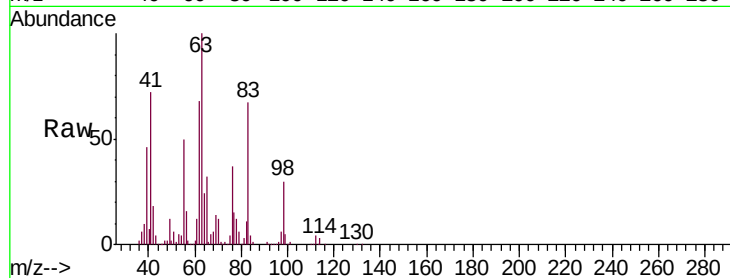




#45
 1,2-Dichloropropane
 Concen: 53.430 ug/l
 RT: 6.41 min Scan# 1655
 Delta R.T. 0.00 min
 Lab File: VU034083.D
 Acq: 30 Aug 2019 09:13

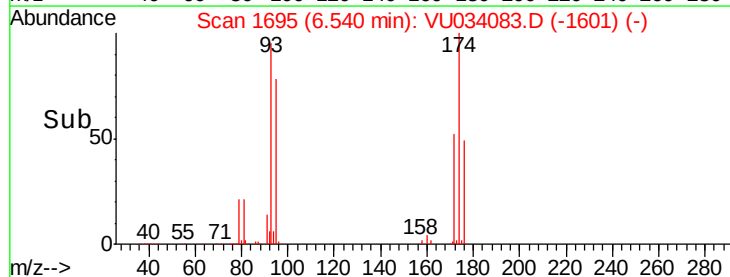
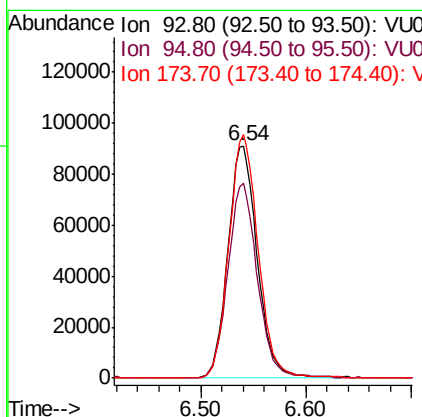
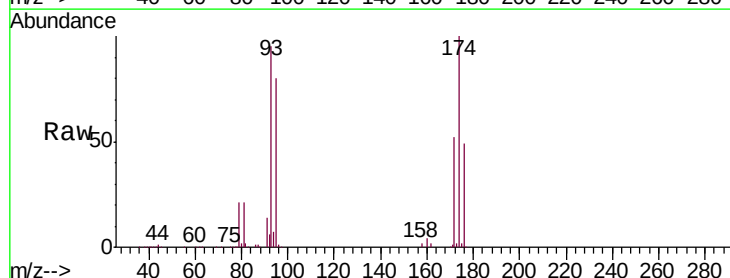
Instrument :
 MSVOA_U
 ClientSampleId :

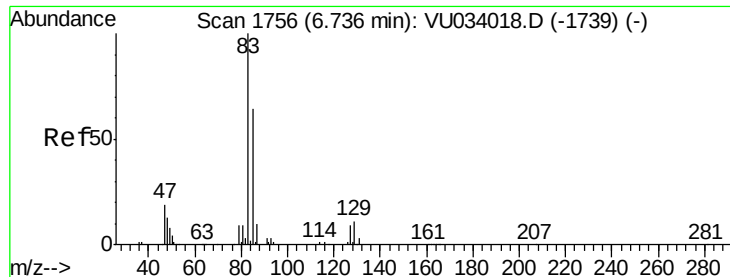
Tot Ion: 63 Resp: 277733
 Ion Ratio Lower Upper
 63 100
 65 31.5 25.4 38.2



#46
 Dibromomethane
 Concen: 52.286 ug/l
 RT: 6.54 min Scan# 1695
 Delta R.T. 0.00 min
 Lab File: VU034083.D
 Acq: 30 Aug 2019 09:13

Tgt Ion: 93 Resp: 175102
 Ion Ratio Lower Upper
 93 100
 95 84.0 66.7 100.1
 174 104.7 84.9 127.3





#47

Bromodichloromethane

Concen: 52.237 ug/l

RT: 6.74 min Scan# 1756

Delta R.T. 0.00 min

Lab File: VU034083.D

Acq: 30 Aug 2019 09:13

Instrument :

MSVOA_U

ClientSampleId :

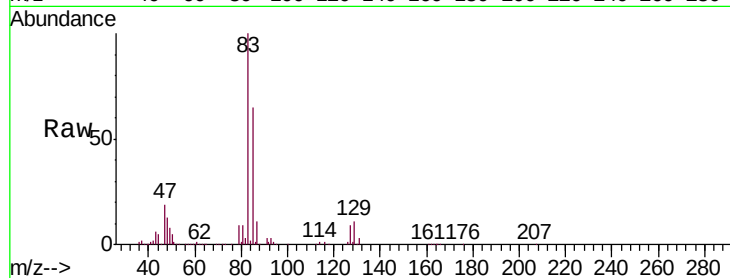
Tot Ion: 83 Resp: 342263

Ion Ratio Lower Upper

83 100

85 64.6 51.2 76.8

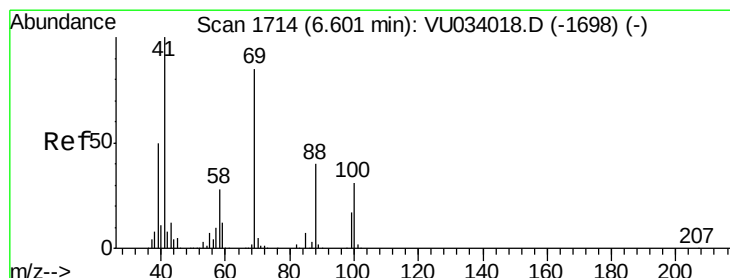
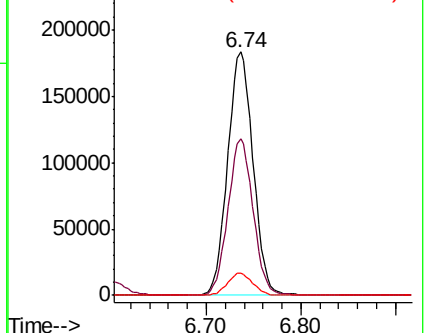
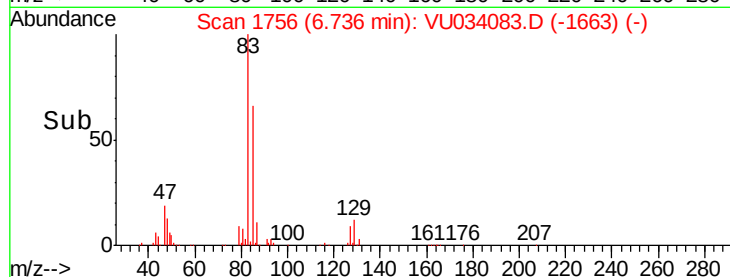
127 9.0 7.0 10.6



Abundance Ion 82.90 (82.60 to 83.60): VU034083.D (-1663) (-)

Ion 84.90 (84.60 to 85.60): VU034083.D (-1663) (-)

Ion 126.80 (126.50 to 127.50): VU034083.D (-1663) (-)



#48

Methyl methacrylate

Concen: 51.856 ug/l

RT: 6.60 min Scan# 1715

Delta R.T. 0.00 min

Lab File: VU034083.D

Acq: 30 Aug 2019 09:13

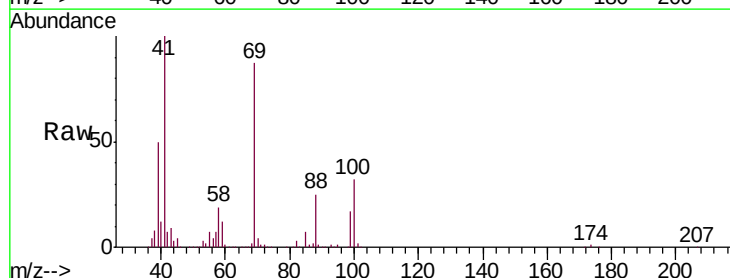
Tgt Ion: 41 Resp: 266067

Ion Ratio Lower Upper

41 100

69 89.2 69.5 104.3

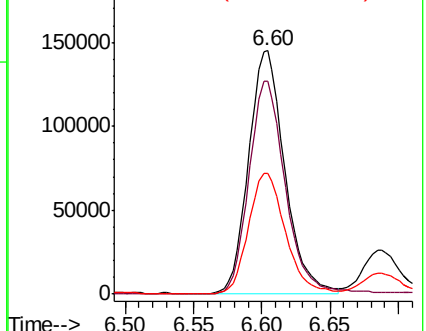
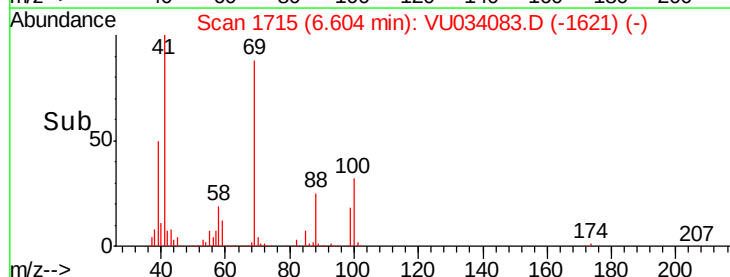
39 50.4 40.3 60.5

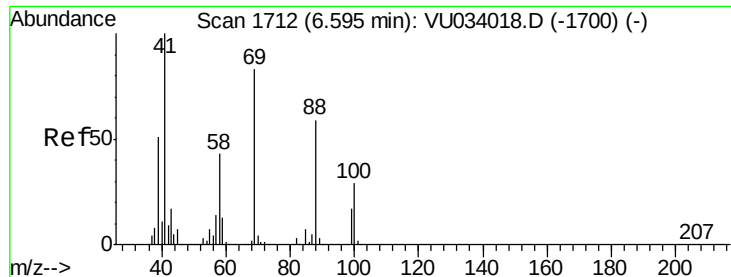


Abundance Ion 41.00 (40.70 to 41.70): VU034083.D (-1621) (-)

Ion 69.00 (68.70 to 69.70): VU034083.D (-1621) (-)

Ion 39.00 (38.70 to 39.70): VU034083.D (-1621) (-)

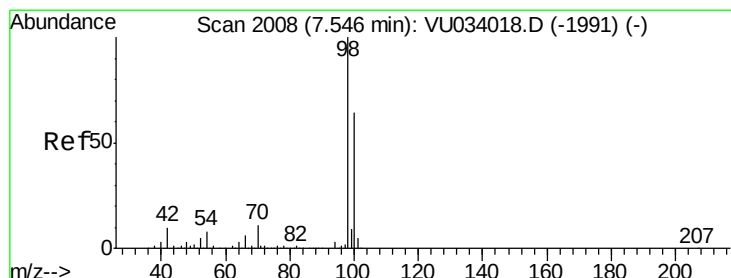
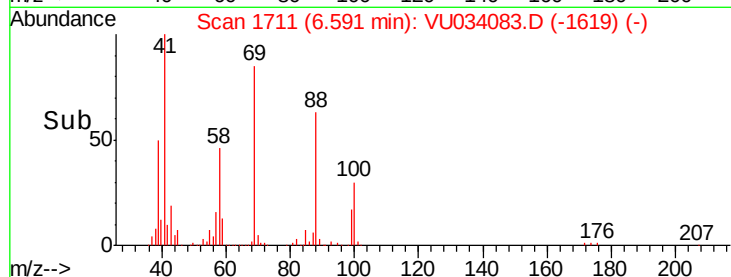
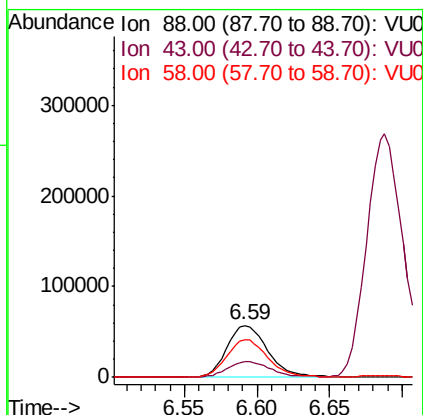
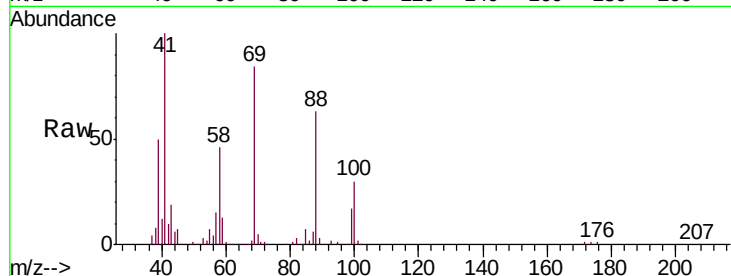




#49
 1,4-Dioxane
 Concen: 853.621 ug/l
 RT: 6.59 min Scan# 1711
 Delta R.T. -0.00 min
 Lab File: VU034083.D
 Acq: 30 Aug 2019 09:13

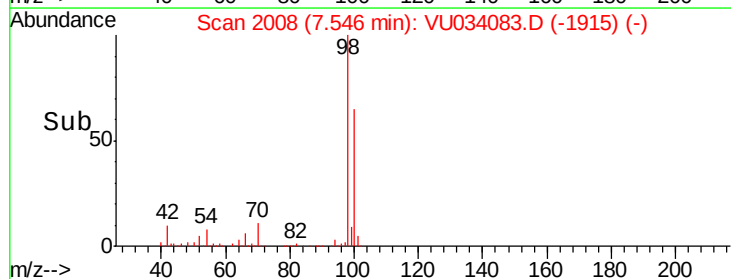
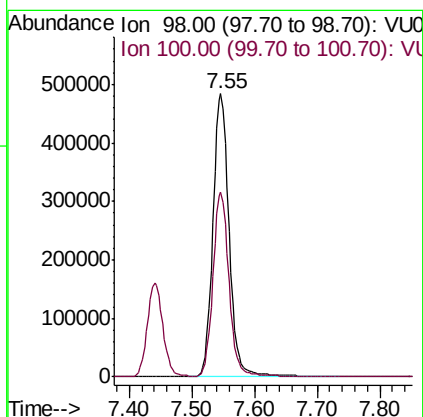
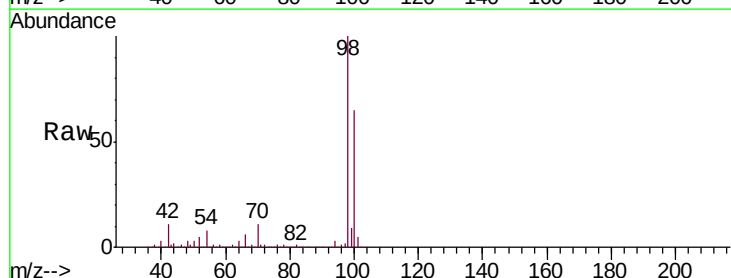
Instrument :
 MSVOA_U
 ClientSampleId :

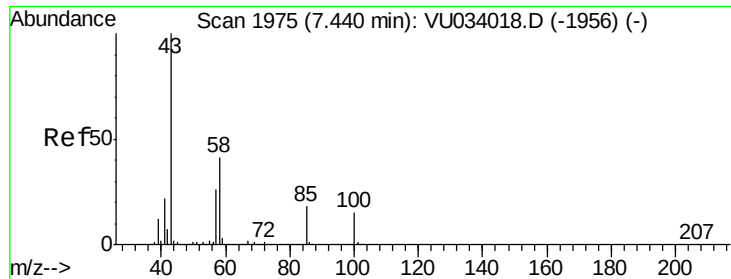
Tot Ion: 88 Resp: 109739
 Ion Ratio Lower Upper
 88 100
 43 32.1 24.8 37.2
 58 74.9 59.3 88.9



#50
 Toluene-d8
 Concen: 50.804 ug/l
 RT: 7.55 min Scan# 2008
 Delta R.T. 0.00 min
 Lab File: VU034083.D
 Acq: 30 Aug 2019 09:13

Tgt Ion: 98 Resp: 870598
 Ion Ratio Lower Upper
 98 100
 100 64.4 50.3 75.5

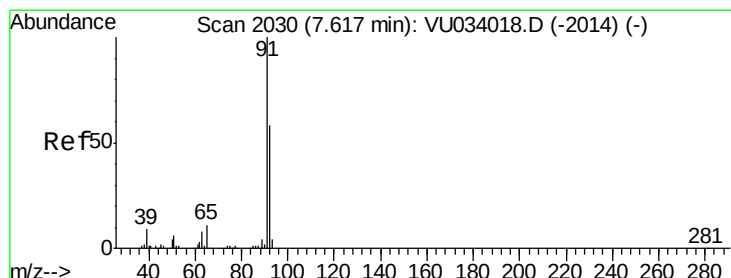
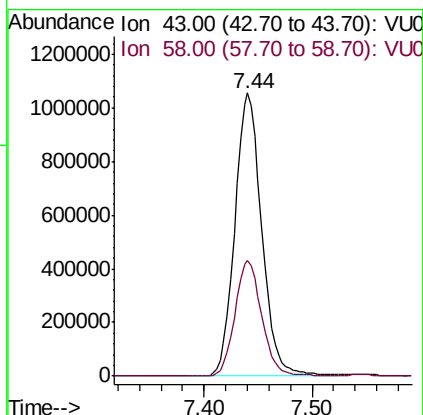
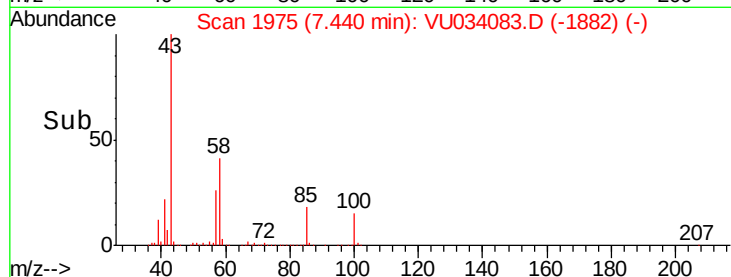
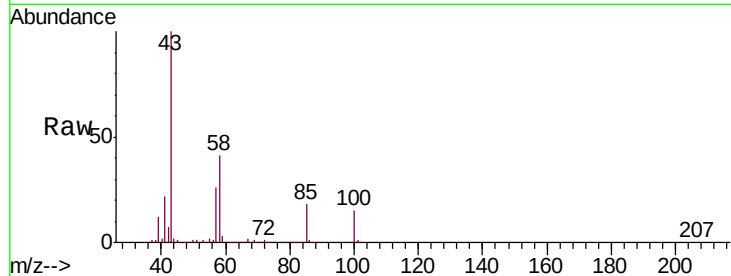




#51
 4-Methyl-2-Pentanone
 Concen: 249.620 ug/l
 RT: 7.44 min Scan# 1975
 Delta R.T. 0.00 min
 Lab File: VU034083.D
 Acq: 30 Aug 2019 09:13

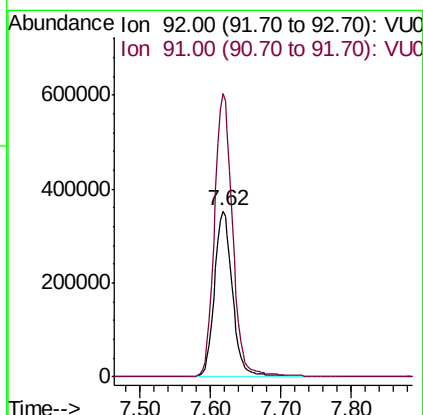
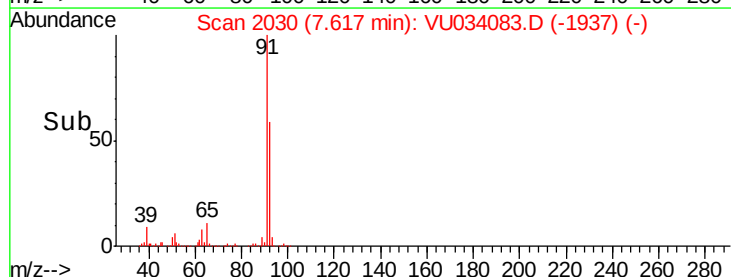
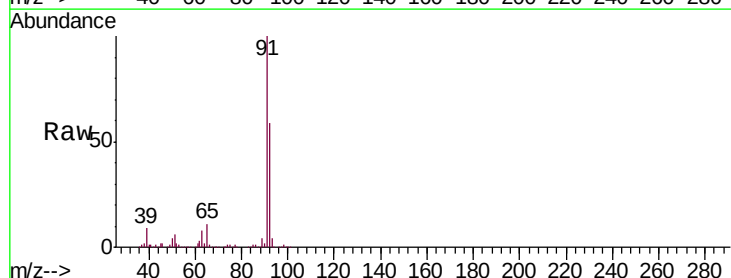
Instrument :
 MSVOA_U
 ClientSampled :

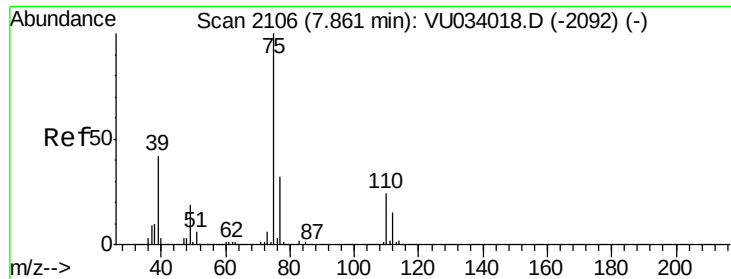
Tot Ion: 43 Resp: 1832980
 Ion Ratio Lower Upper
 43 100
 58 40.7 32.2 48.4



#52
 Toluene
 Concen: 53.785 ug/l
 RT: 7.62 min Scan# 2030
 Delta R.T. 0.00 min
 Lab File: VU034083.D
 Acq: 30 Aug 2019 09:13

Tgt Ion: 92 Resp: 625643
 Ion Ratio Lower Upper
 92 100
 91 172.9 138.3 207.5

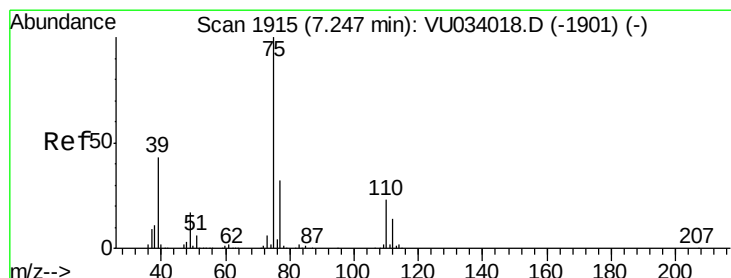
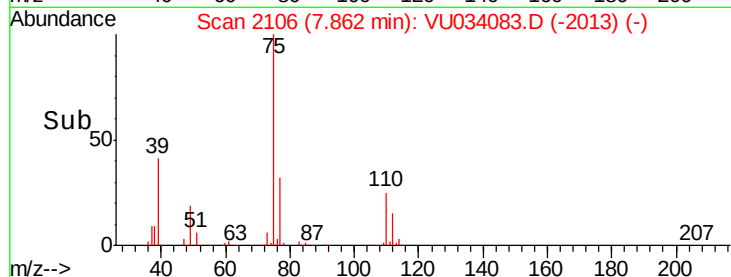
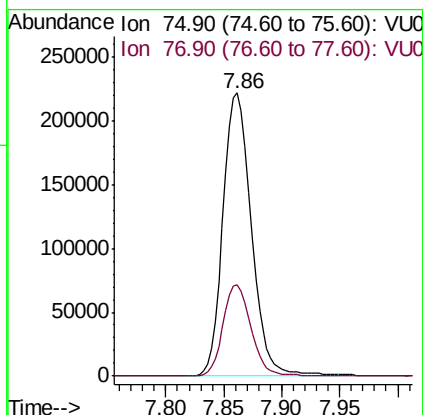
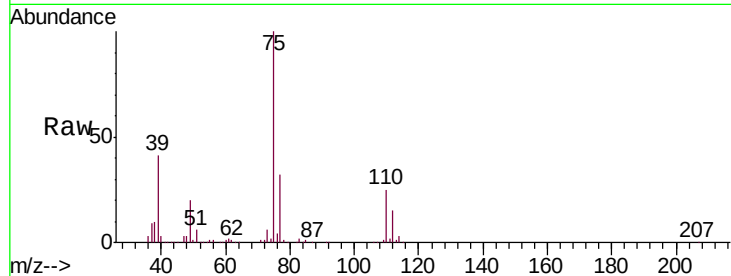




#53
t-1,3-Dichloropropene
Concen: 51.867 ug/l
RT: 7.86 min Scan# 2106
Delta R.T. 0.00 min
Lab File: VU034083.D
Acq: 30 Aug 2019 09:13

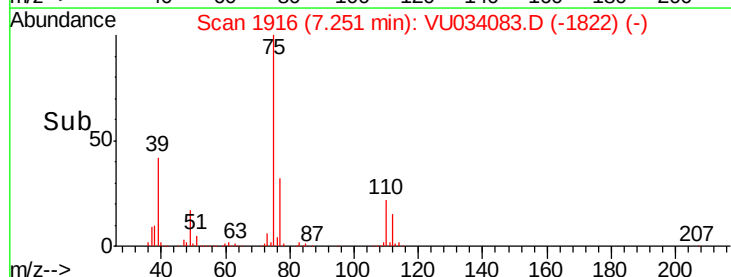
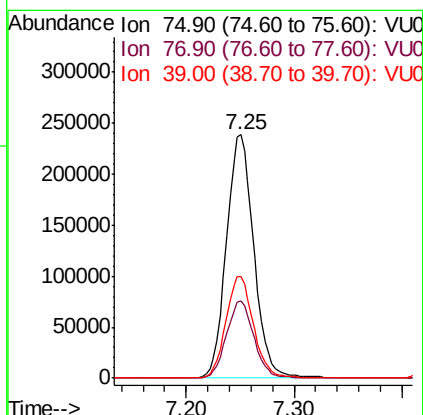
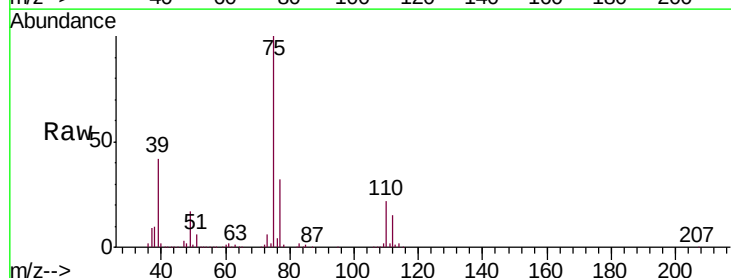
Instrument :
MSVOA_U
ClientSampleId :

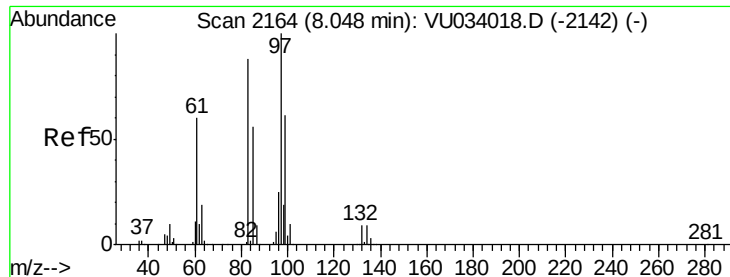
Tot Ion: 75 Resp: 377080
Ion Ratio Lower Upper
75 100
77 32.1 25.4 38.0



#54
cis-1,3-Dichloropropene
Concen: 53.226 ug/l
RT: 7.25 min Scan# 1916
Delta R.T. 0.00 min
Lab File: VU034083.D
Acq: 30 Aug 2019 09:13

Tgt Ion: 75 Resp: 422756
Ion Ratio Lower Upper
75 100
77 32.0 25.2 37.8
39 41.6 34.6 51.8





#55

1,1,2-Trichloroethane

Concen: 51.456 ug/l

RT: 8.05 min Scan# 2164

Delta R.T. 0.00 min

Lab File: VU034083.D

Acq: 30 Aug 2019 09:13

Instrument :

MSVOA_U

ClientSampleId :

Tot Ion: 97 Resp: 253181

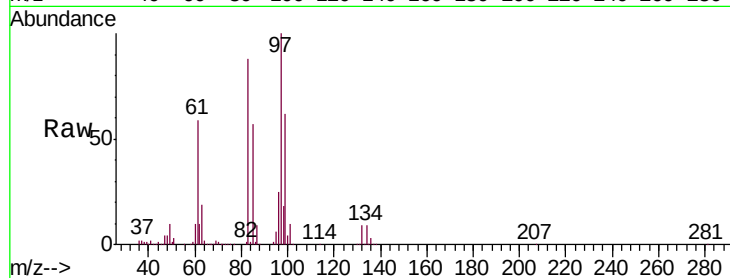
Ion Ratio Lower Upper

97 100

83 88.1 70.1 105.1

85 56.9 45.0 67.4

99 62.2 49.8 74.8

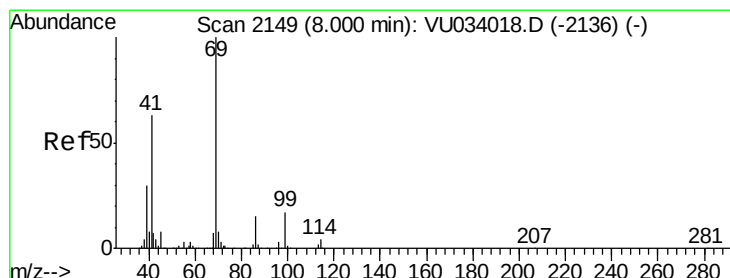
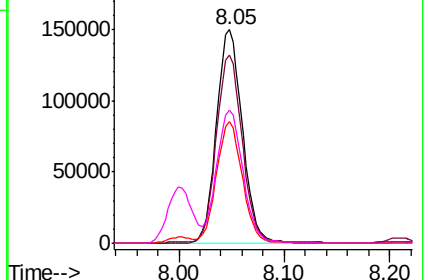
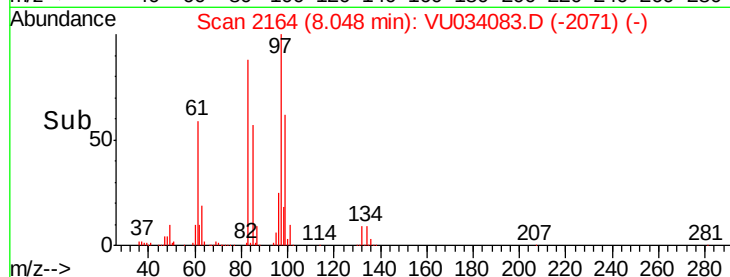


Abundance Ion 96.90 (96.60 to 97.60): VU0

Ion 82.90 (82.60 to 83.60): VU0

Ion 84.90 (84.60 to 85.60): VU0

Ion 98.90 (98.60 to 99.60): VU0



#56

Ethyl methacrylate

Concen: 46.662 ug/l

RT: 8.00 min Scan# 2149

Delta R.T. 0.00 min

Lab File: VU034083.D

Acq: 30 Aug 2019 09:13

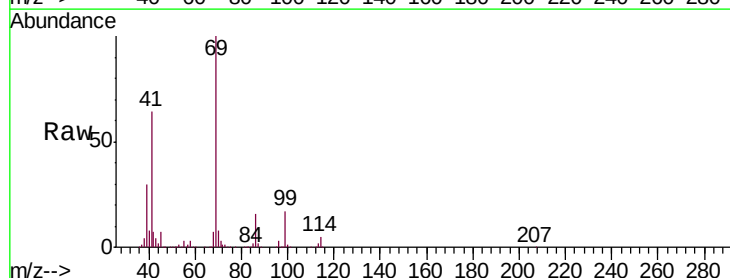
Tgt Ion: 69 Resp: 380296

Ion Ratio Lower Upper

69 100

41 63.9 50.7 76.1

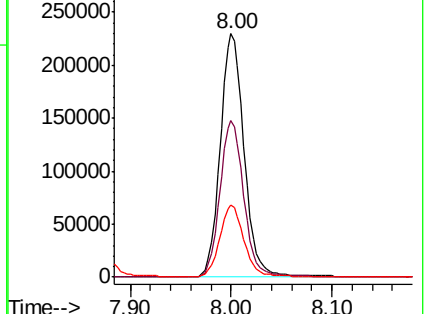
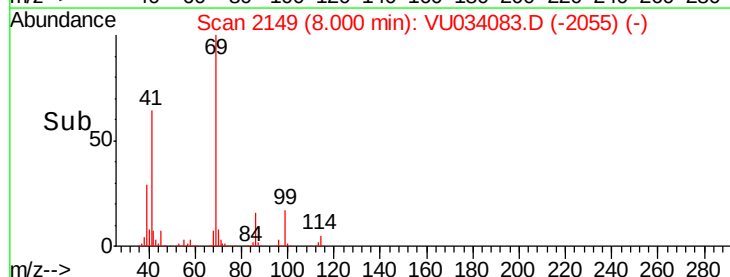
39 29.3 24.2 36.2

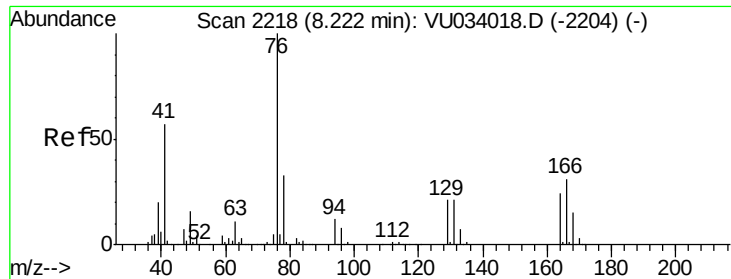


Abundance Ion 69.00 (68.70 to 69.70): VU0

Ion 41.00 (40.70 to 41.70): VU0

Ion 39.00 (38.70 to 39.70): VU0





#57

1,3-Dichloropropane

Concen: 51.698 ug/l

RT: 8.22 min Scan# 2219

Delta R.T. 0.00 min

Lab File: VU034083.D

Acq: 30 Aug 2019 09:13

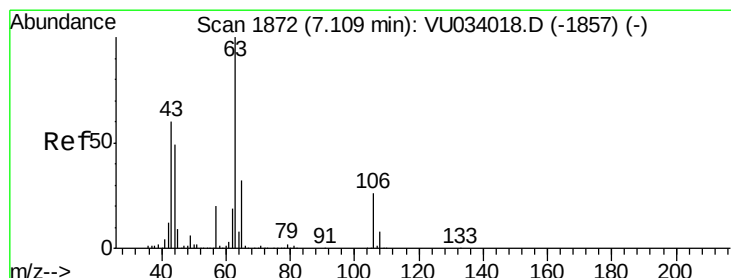
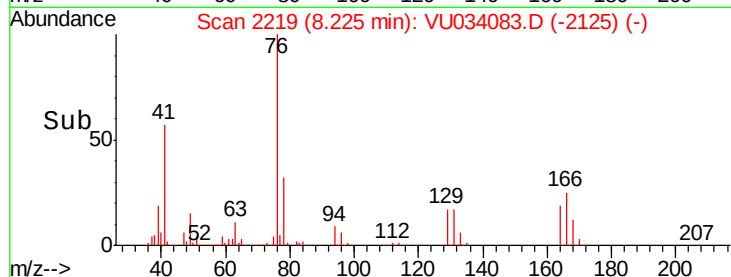
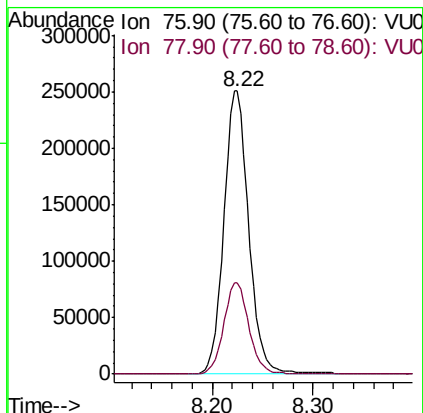
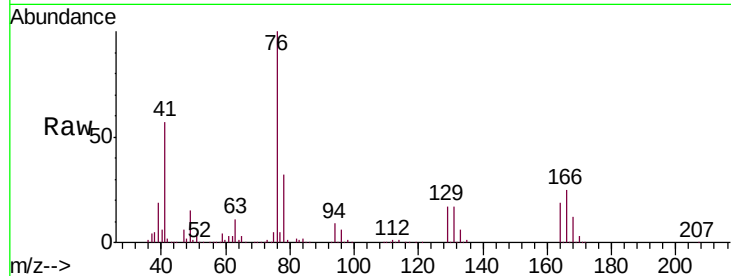
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 76 Resp: 431911

Ion Ratio Lower Upper

76 100

78 32.9 26.2 39.4



#58

2-Chloroethyl Vinyl ether

Concen: 243.627 ug/l

RT: 7.11 min Scan# 1872

Delta R.T. 0.00 min

Lab File: VU034083.D

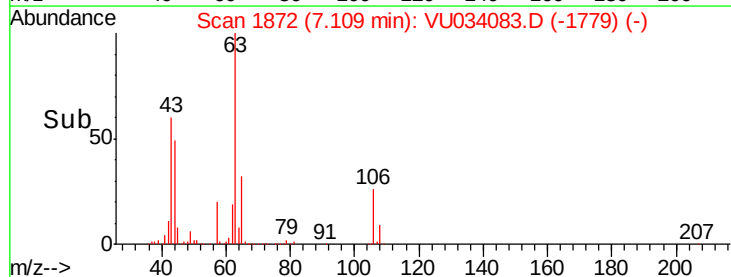
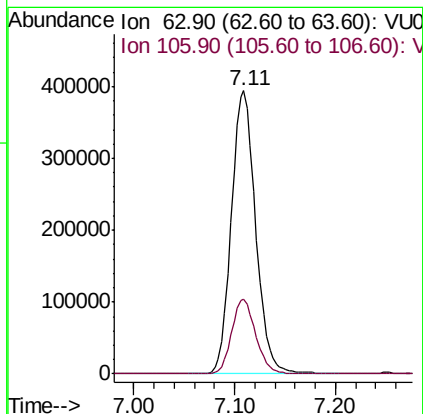
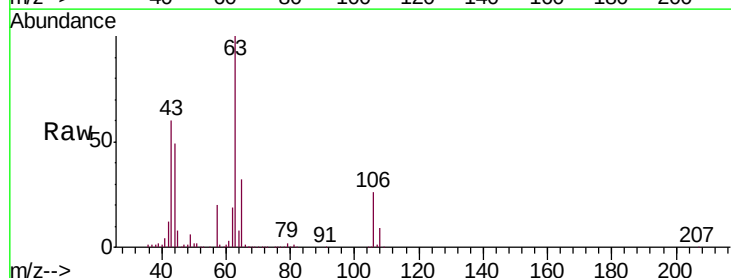
Acq: 30 Aug 2019 09:13

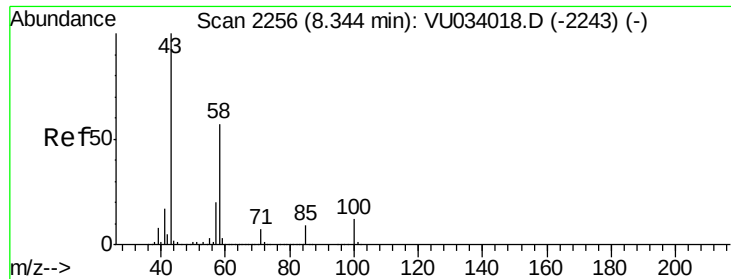
Tgt Ion: 63 Resp: 663177

Ion Ratio Lower Upper

63 100

106 26.3 20.7 31.1

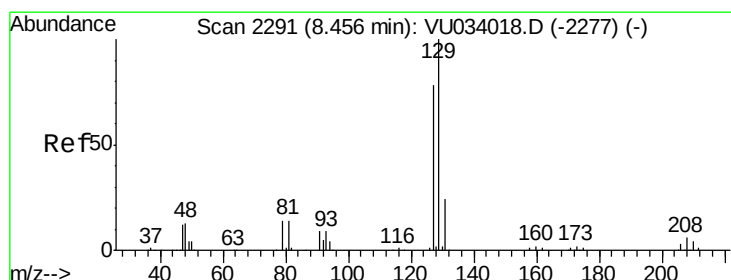
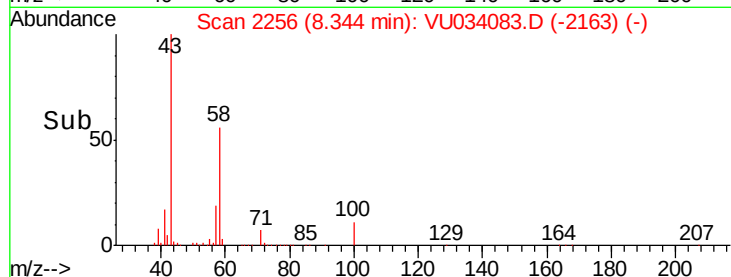
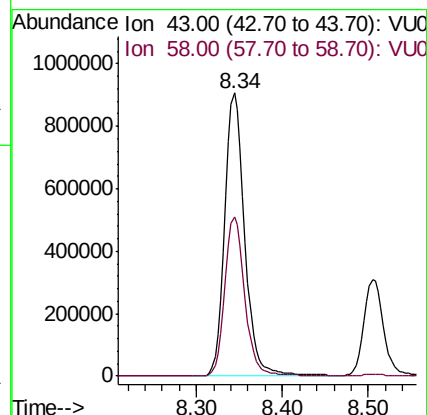
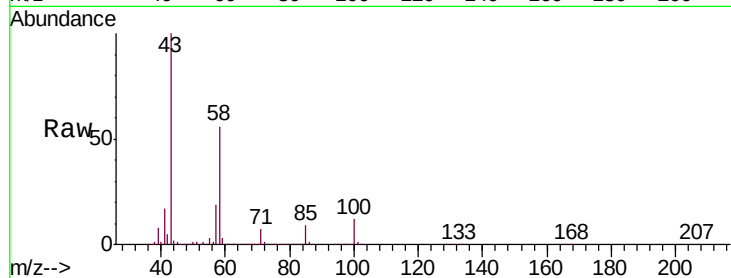




#59
2-Hexanone
Concen: 264.486 ug/l
RT: 8.34 min Scan# 2256
Delta R.T. 0.00 min
Lab File: VU034083.D
Acq: 30 Aug 2019 09:13

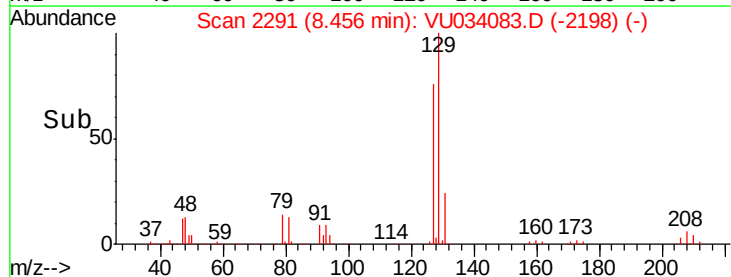
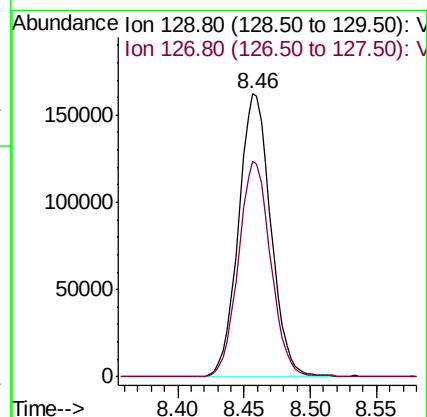
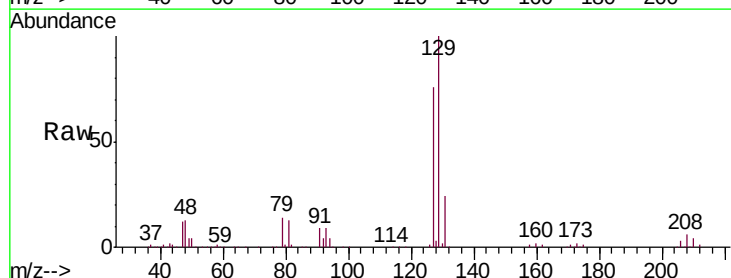
Instrument :
MSVOA_U
ClientSampleId :

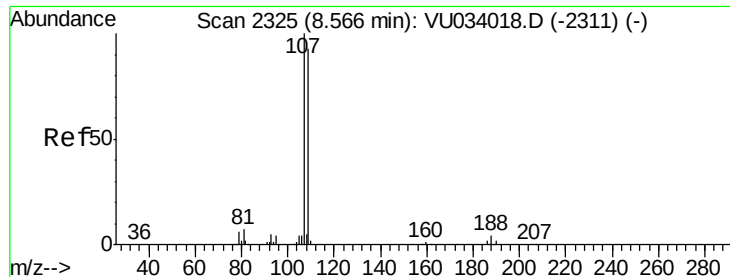
Tot Ion: 43 Resp: 1466140
Ion Ratio Lower Upper
43 100
58 56.8 28.4 85.3



#60
Dibromochloromethane
Concen: 51.989 ug/l
RT: 8.46 min Scan# 2291
Delta R.T. 0.00 min
Lab File: VU034083.D
Acq: 30 Aug 2019 09:13

Tgt Ion: 129 Resp: 274593
Ion Ratio Lower Upper
129 100
127 76.6 39.0 116.9

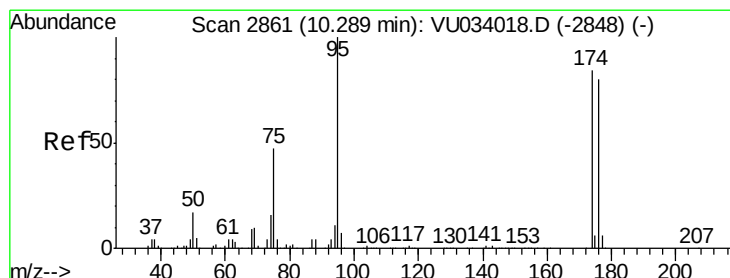
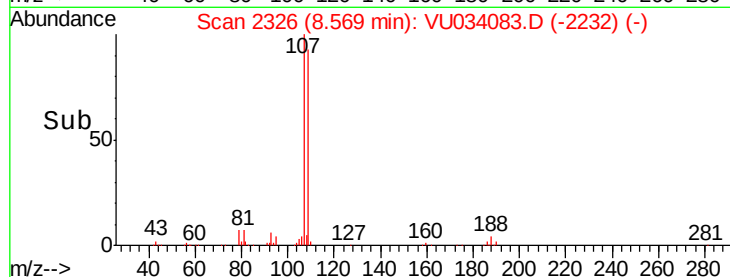
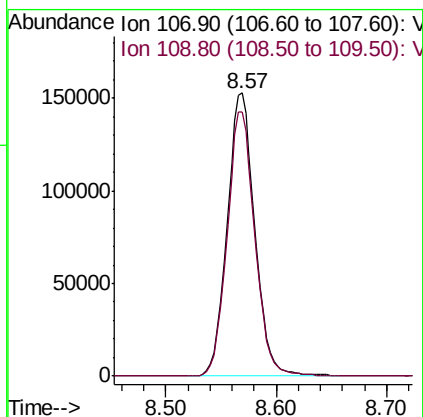
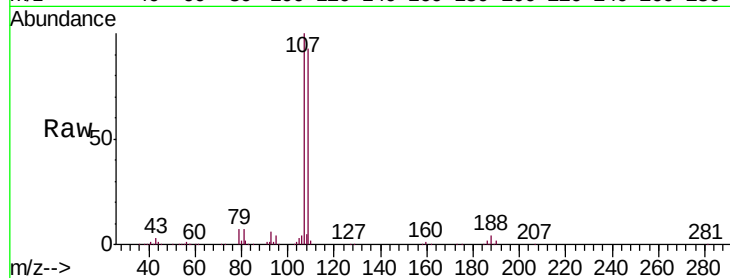




#61
 1,2-Dibromoethane
 Concen: 51.038 ug/l
 RT: 8.57 min Scan# 2326
 Delta R.T. 0.00 min
 Lab File: VU034083.D
 Acq: 30 Aug 2019 09:13

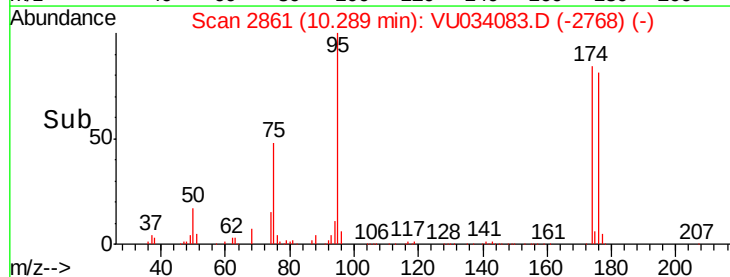
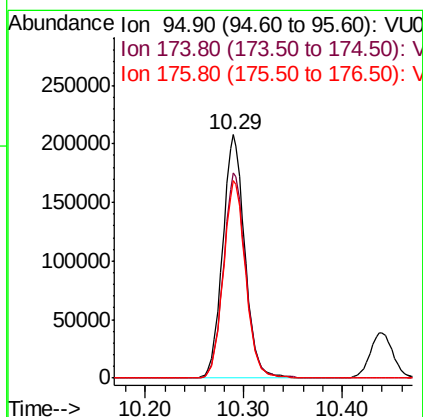
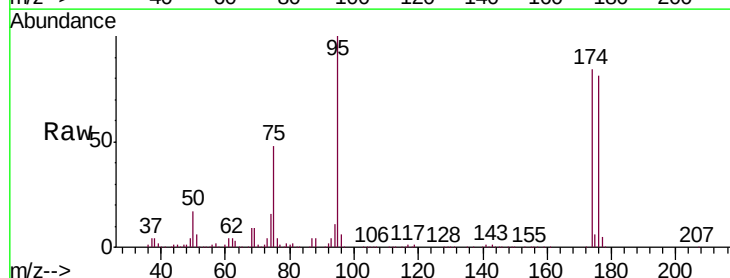
Instrument :
 MSVOA_U
 ClientSampleId :

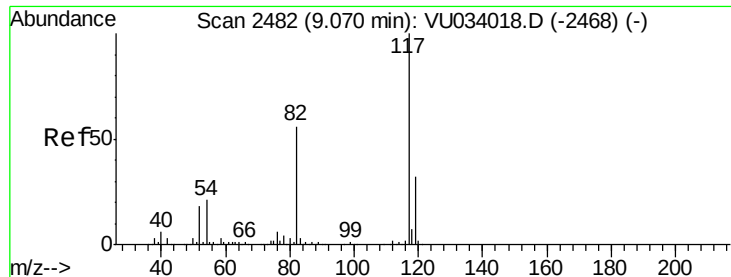
Tot Ion:107 Resp: 264535
 Ion Ratio Lower Upper
 107 100
 109 93.8 75.2 112.8



#62
 4-Bromofluorobenzene
 Concen: 49.180 ug/l
 RT: 10.29 min Scan# 2861
 Delta R.T. 0.00 min
 Lab File: VU034083.D
 Acq: 30 Aug 2019 09:13

Tgt Ion: 95 Resp: 327827
 Ion Ratio Lower Upper
 95 100
 174 84.9 0.0 168.8
 176 81.5 0.0 161.8

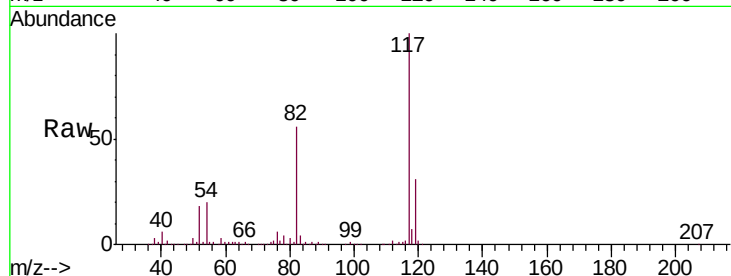




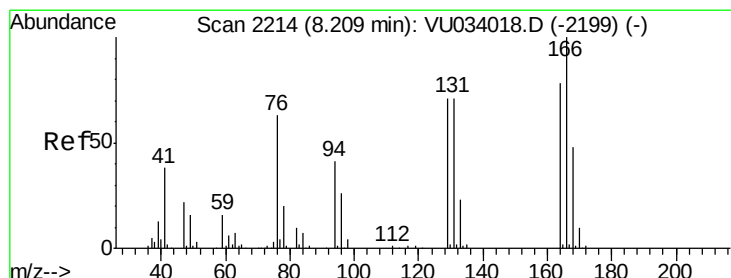
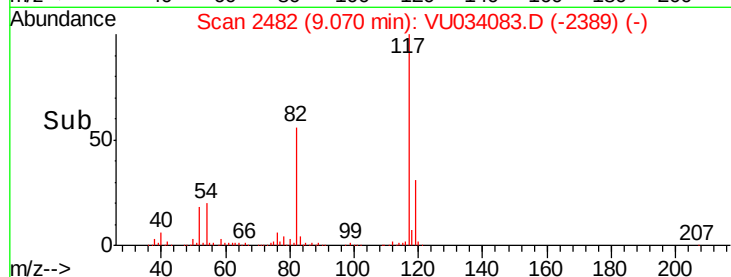
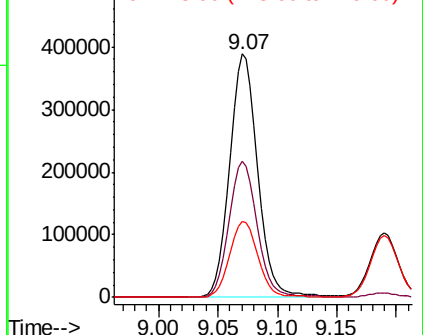
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.07 min Scan# 2482
Delta R.T. 0.00 min
Lab File: VU034083.D
Acq: 30 Aug 2019 09:13

Instrument :
MSVOA_U
ClientSampled :

Tot Ion:117 Resp: 636339
Ion Ratio Lower Upper
117 100
82 55.7 45.1 67.7
119 31.3 25.4 38.0

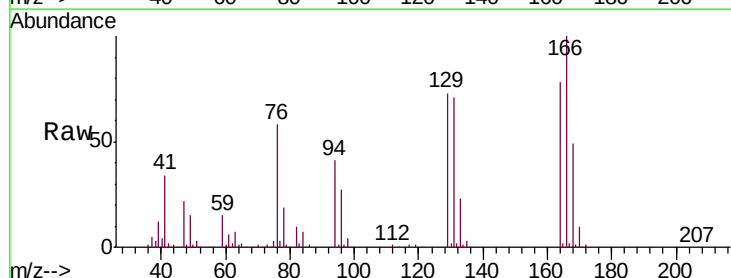


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VU0
Ion 118.90 (118.60 to 119.60): V

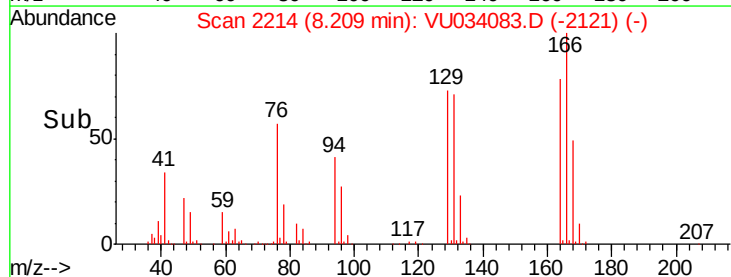
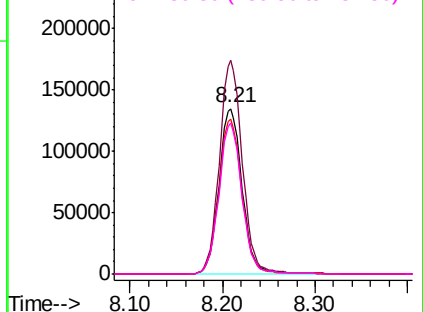


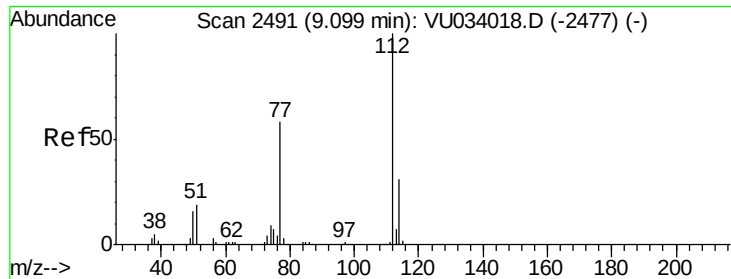
#64
Tetrachloroethene
Concen: 54.906 ug/l
RT: 8.21 min Scan# 2214
Delta R.T. 0.00 min
Lab File: VU034083.D
Acq: 30 Aug 2019 09:13

Tgt Ion:164 Resp: 234636
Ion Ratio Lower Upper
164 100
166 128.8 102.2 153.2
129 93.8 72.4 108.6
131 90.9 72.1 108.1



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





#65

Chlorobenzene

Concen: 52.225 ug/l

RT: 9.10 min Scan# 2491

Delta R.T. 0.00 min

Lab File: VU034083.D

Acq: 30 Aug 2019 09:13

Instrument :

MSVOA_U

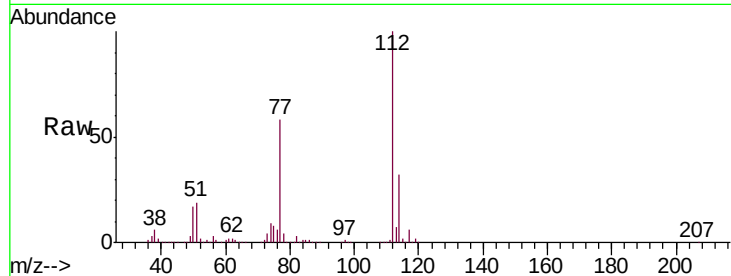
ClientSampleId :

Tot Ion:112 Resp: 683899

Ion Ratio Lower Upper

112 100

114 31.5 25.0 37.4



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V

9.10

400000

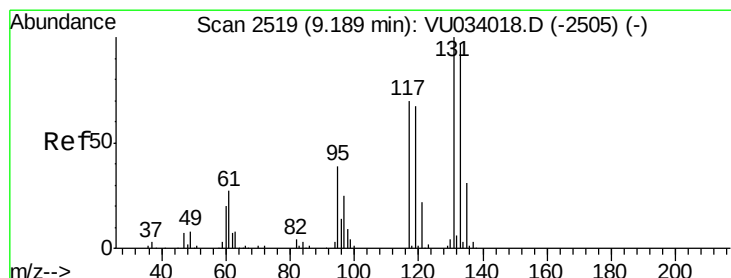
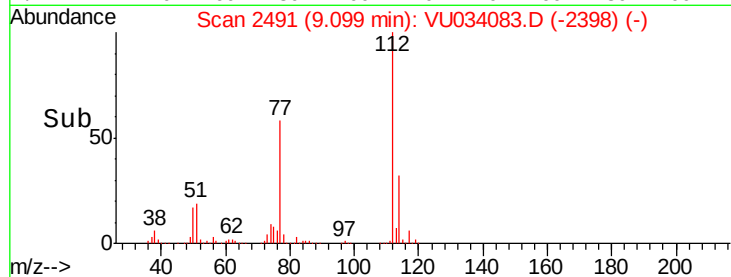
300000

200000

100000

0

Time-->



#66

1,1,1,2-Tetrachloroethane

Concen: 51.283 ug/l

RT: 9.19 min Scan# 2519

Delta R.T. 0.00 min

Lab File: VU034083.D

Acq: 30 Aug 2019 09:13

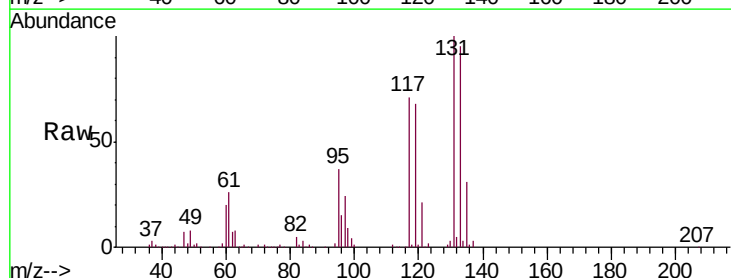
Tgt Ion:131 Resp: 243514

Ion Ratio Lower Upper

131 100

133 95.2 48.4 145.2

119 67.4 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

200000

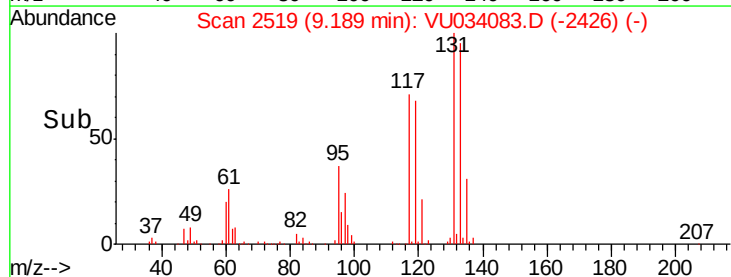
150000

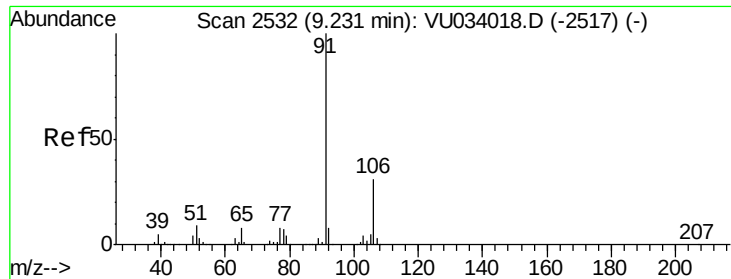
100000

50000

0

Time-->

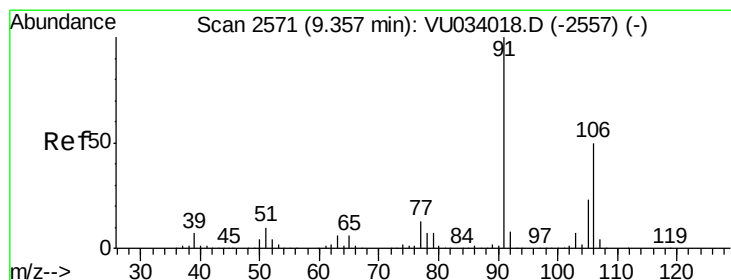
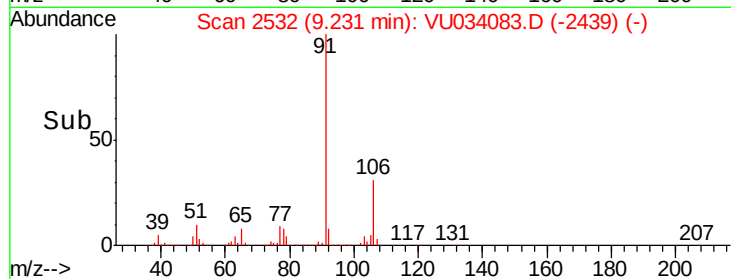
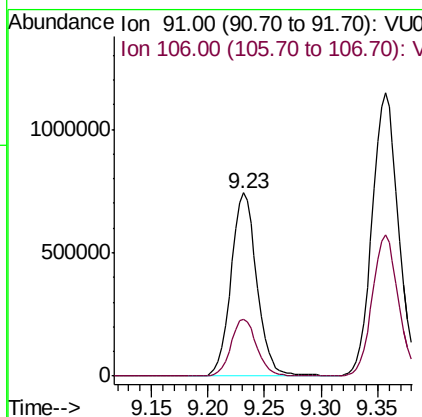
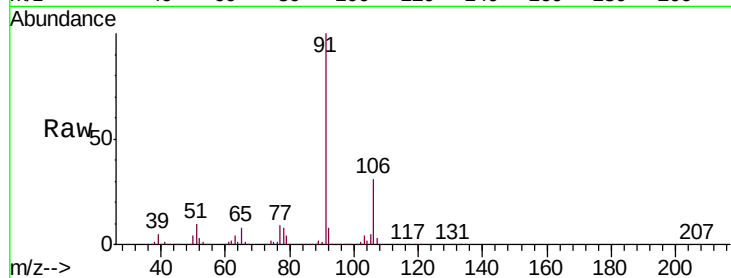




#67
Ethyl Benzene
Concen: 53.400 ug/l
RT: 9.23 min Scan# 2532
Delta R.T. 0.00 min
Lab File: VU034083.D
Acq: 30 Aug 2019 09:13

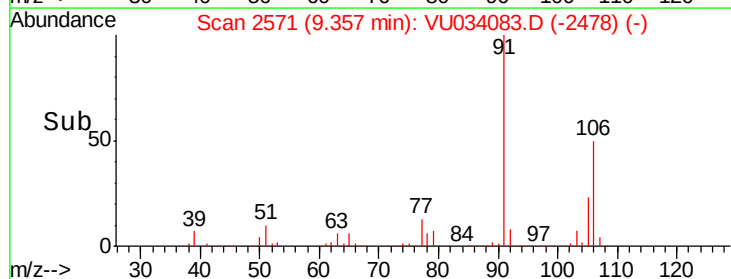
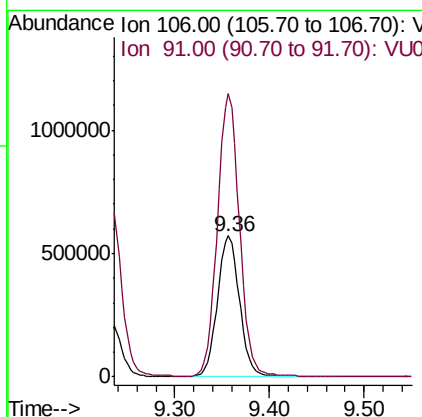
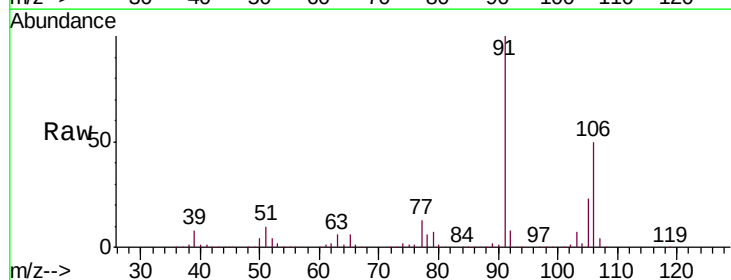
Instrument :
MSVOA_U
ClientSampled :

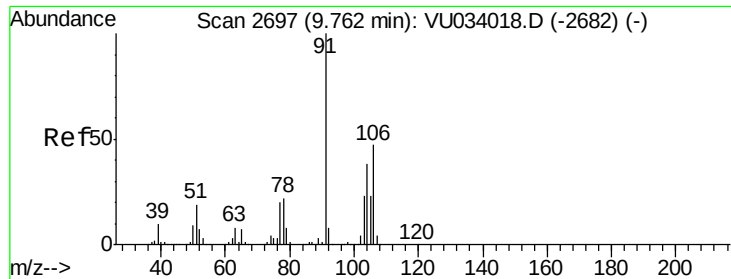
Tot Ion: 91 Resp: 1185383
Ion Ratio Lower Upper
91 100
106 31.4 24.9 37.3



#68
m/p-Xylenes
Concen: 109.767 ug/l
RT: 9.36 min Scan# 2571
Delta R.T. 0.00 min
Lab File: VU034083.D
Acq: 30 Aug 2019 09:13

Tgt Ion: 106 Resp: 926502
Ion Ratio Lower Upper
106 100
91 200.9 161.6 242.4

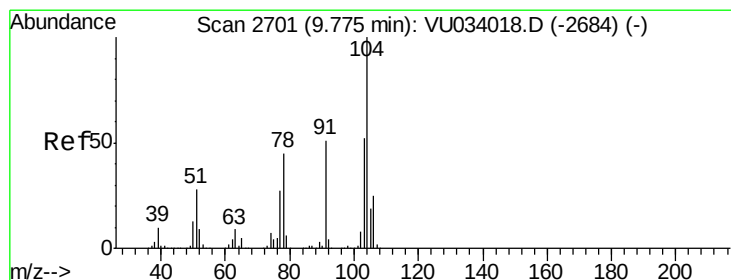
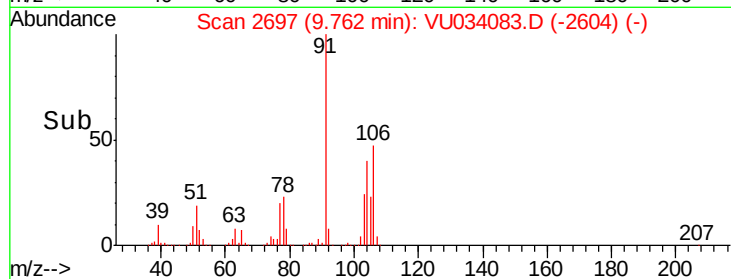
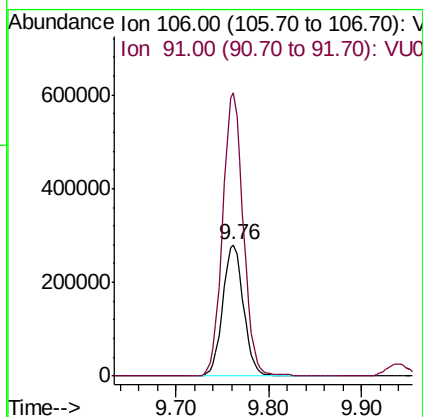
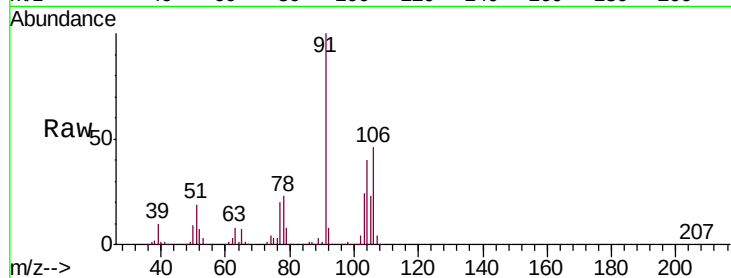




#69
o-Xylene
Concen: 54.014 ug/l
RT: 9.76 min Scan# 2697
Delta R.T. 0.00 min
Lab File: VU034083.D
Acq: 30 Aug 2019 09:13

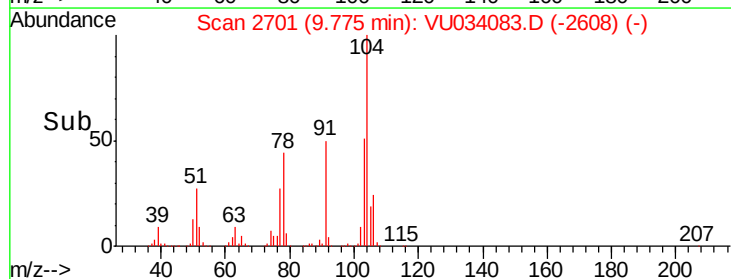
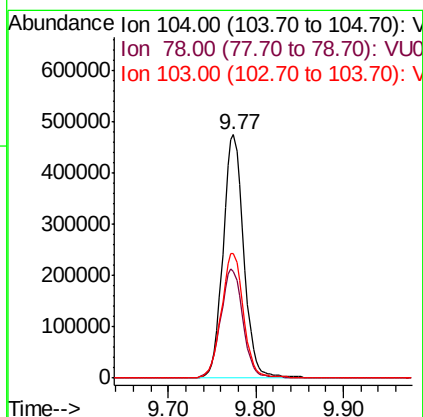
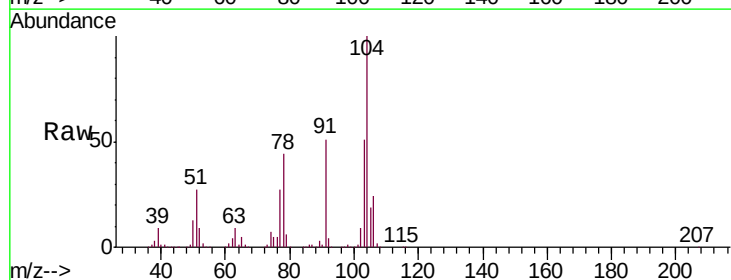
Instrument :
MSVOA_U
ClientSampleId :

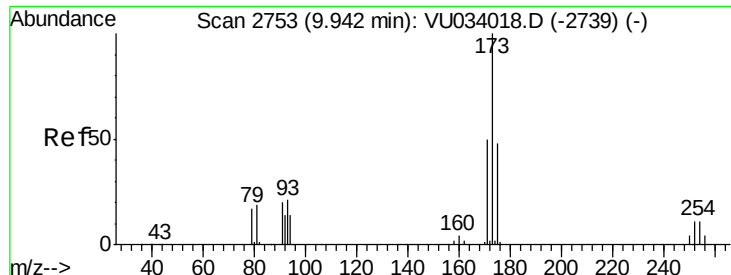
Tot Ion:106 Resp: 437393
Ion Ratio Lower Upper
106 100
91 213.2 106.0 318.0



#70
Styrene
Concen: 56.244 ug/l
RT: 9.77 min Scan# 2701
Delta R.T. 0.00 min
Lab File: VU034083.D
Acq: 30 Aug 2019 09:13

Tgt Ion:104 Resp: 780938
Ion Ratio Lower Upper
104 100
78 48.6 39.0 58.4
103 54.8 44.0 66.0





#71

Bromoform

Concen: 50.506 ug/l

RT: 9.94 min Scan# 2752

Delta R.T. -0.00 min

Lab File: VU034083.D

Acq: 30 Aug 2019 09:13

Instrument :

MSVOA_U

ClientSampleId :

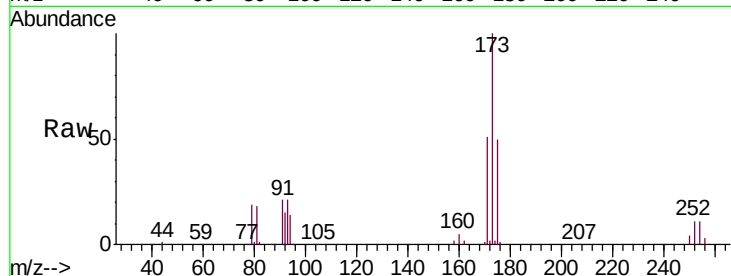
Tot Ion:173 Resp: 208371

Ion Ratio Lower Upper

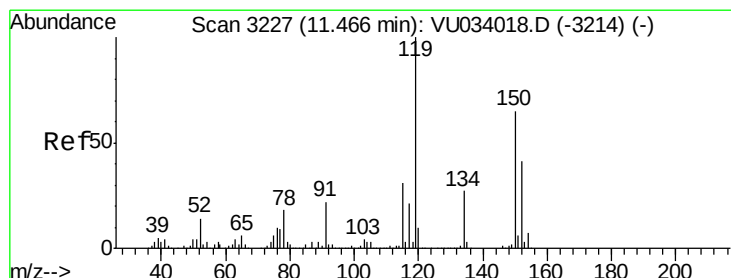
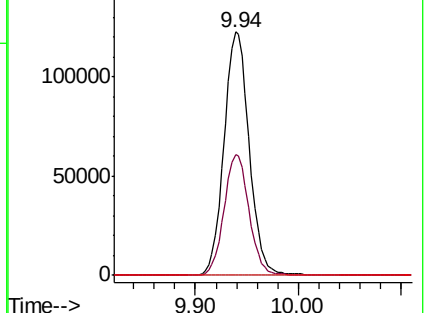
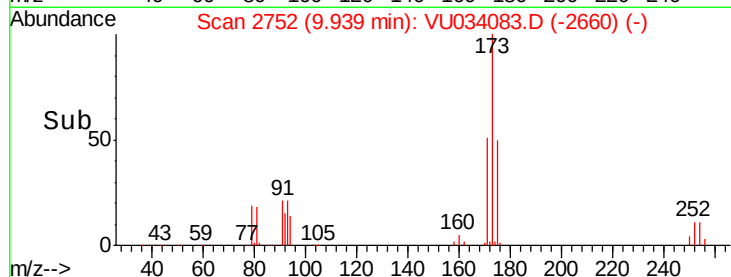
173 100

175 49.2 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: 11.46 min Scan# 3226

Delta R.T. -0.00 min

Lab File: VU034083.D

Acq: 30 Aug 2019 09:13

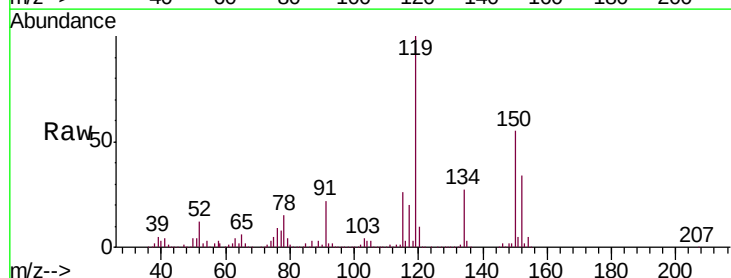
Tgt Ion:152 Resp: 352267

Ion Ratio Lower Upper

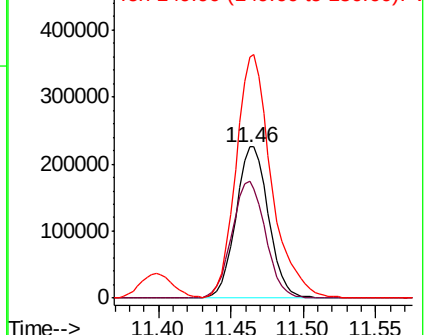
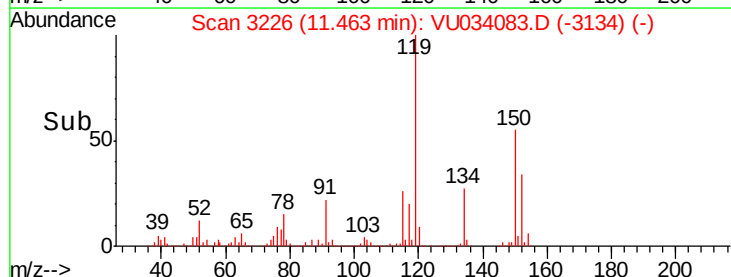
152 100

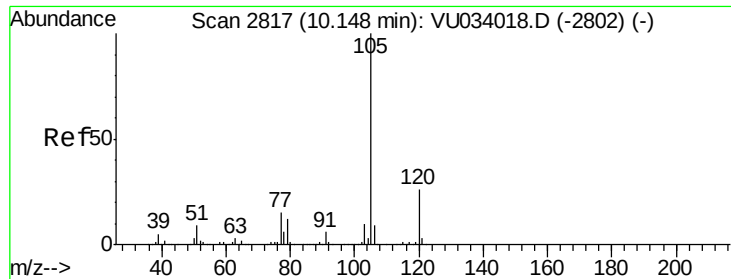
115 79.8 41.1 123.3

150 174.7 0.0 348.8



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





#73

Isopropylbenzene

Concen: 50.411 ug/l

RT: 10.15 min Scan# 2817

Delta R.T. 0.00 min

Lab File: VU034083.D

Acq: 30 Aug 2019 09:13

Instrument :

MSVOA_U

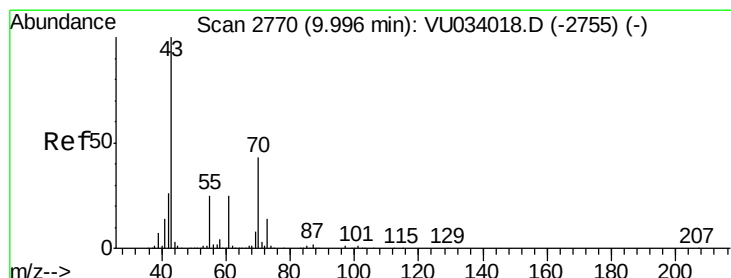
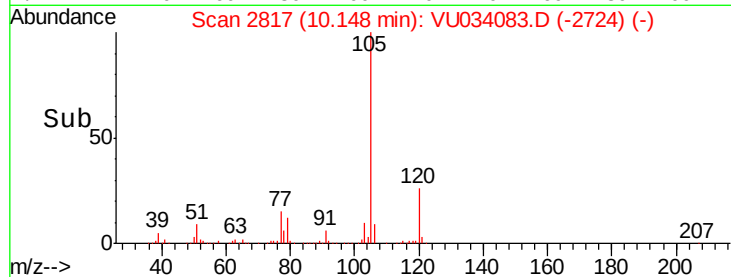
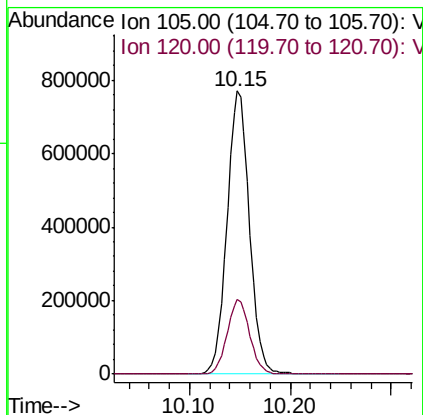
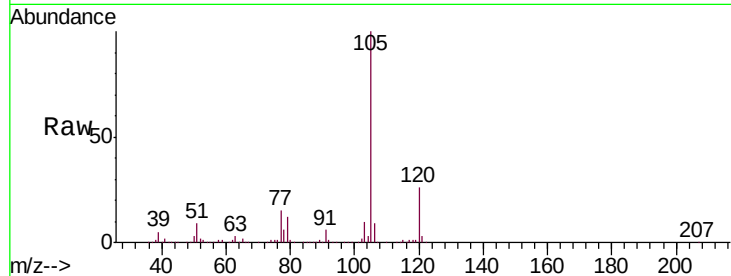
ClientSampleId :

Tot Ion:105 Resp: 1192794

Ion Ratio Lower Upper

105 100

120 26.5 13.3 39.8



#74

N-ethyl acetate

Concen: 49.441 ug/l

RT: 10.00 min Scan# 2770

Delta R.T. 0.00 min

Lab File: VU034083.D

Acq: 30 Aug 2019 09:13

Tgt Ion: 43 Resp: 492030

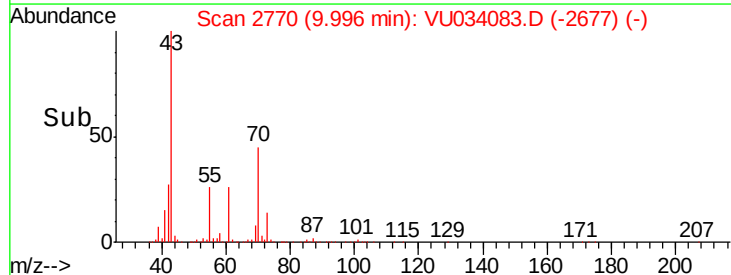
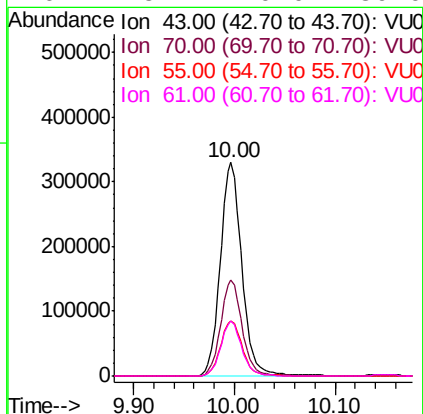
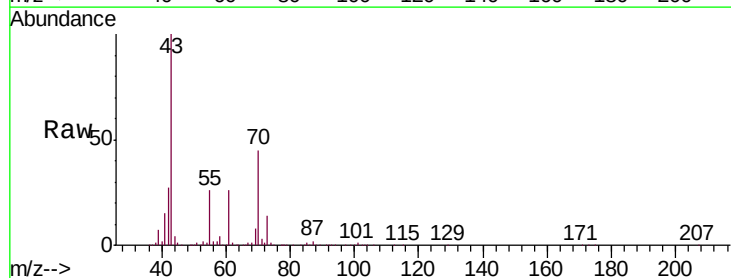
Ion Ratio Lower Upper

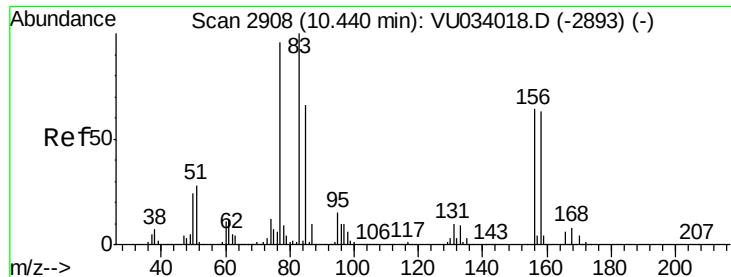
43 100

70 44.7 35.2 52.8

55 26.5 20.5 30.7

61 25.2 20.0 30.0





#75

1,1,2,2-Tetrachloroethane

Concen: 46.744 ug/l

RT: 10.44 min Scan# 2908

Delta R.T. 0.00 min

Lab File: VU034083.D

Acq: 30 Aug 2019 09:13

Instrument :

MSVOA_U

ClientSampleId :

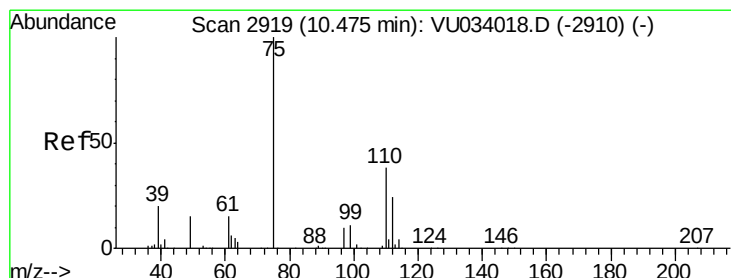
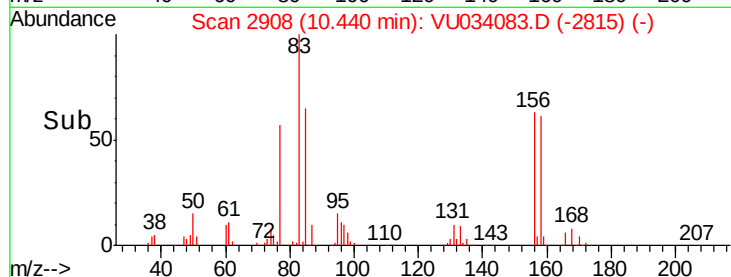
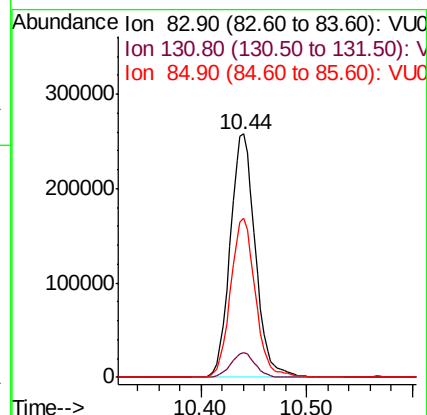
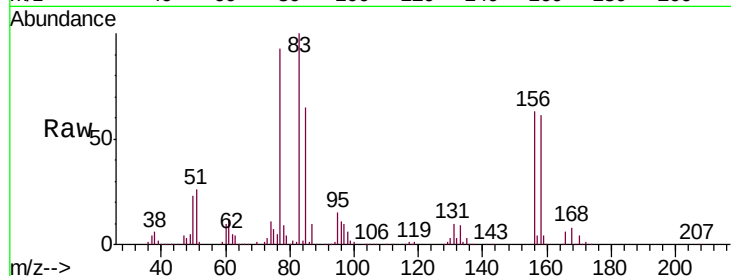
Tot Ion: 83 Resp: 423330

Ion Ratio Lower Upper

83 100

131 9.8 5.0 14.9

85 64.7 32.2 96.6



#76

1,2,3-Trichloropropane

Concen: 59.333 ug/l

RT: 10.48 min Scan# 2919

Delta R.T. 0.00 min

Lab File: VU034083.D

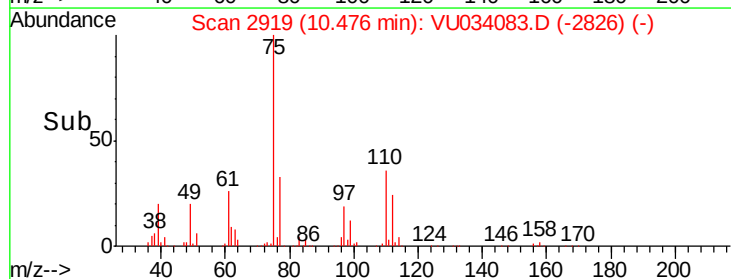
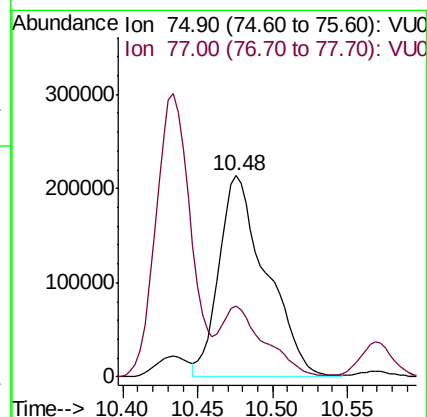
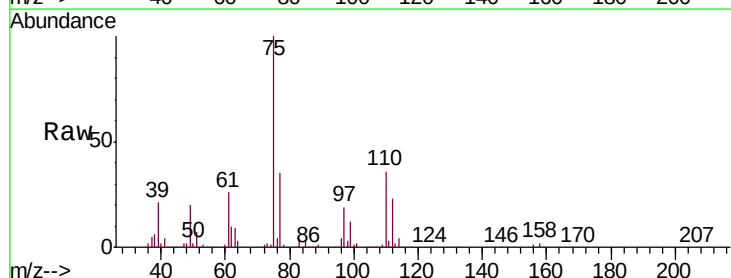
Acq: 30 Aug 2019 09:13

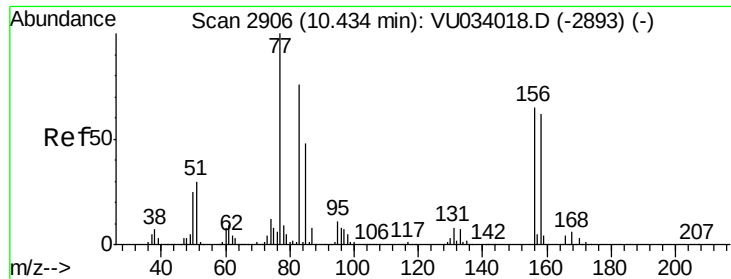
Tgt Ion: 75 Resp: 471076

Ion Ratio Lower Upper

75 100

77 32.6 20.1 60.2





#77

Bromobenzene

Concen: 48.784 ug/l

RT: 10.43 min Scan# 2906

Delta R.T. 0.00 min

Lab File: VU034083.D

Acq: 30 Aug 2019 09:13

Instrument :

MSVOA_U

ClientSampleId :

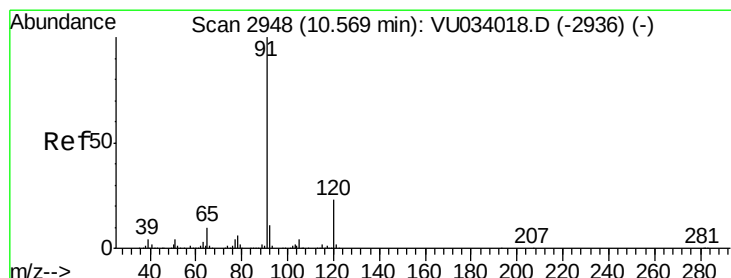
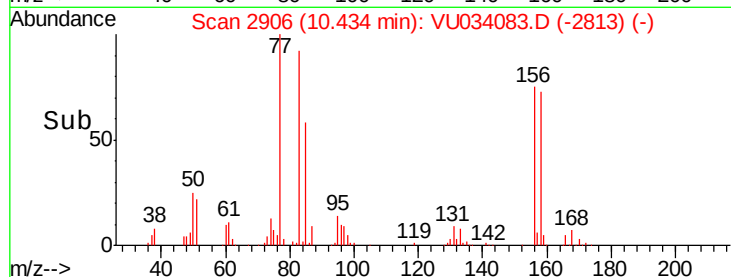
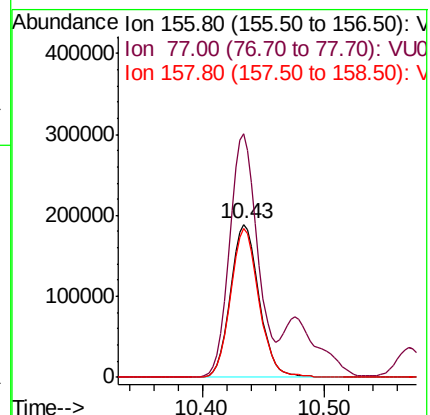
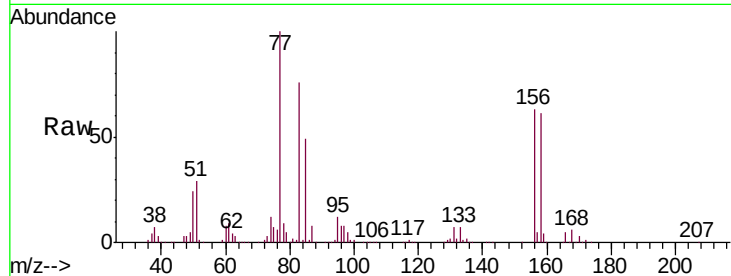
Tot Ion:156 Resp: 310512

Ion Ratio Lower Upper

156 100

77 155.9 76.8 230.5

158 97.0 48.4 145.0



#78

n-propylbenzene

Concen: 51.683 ug/l

RT: 10.57 min Scan# 2948

Delta R.T. 0.00 min

Lab File: VU034083.D

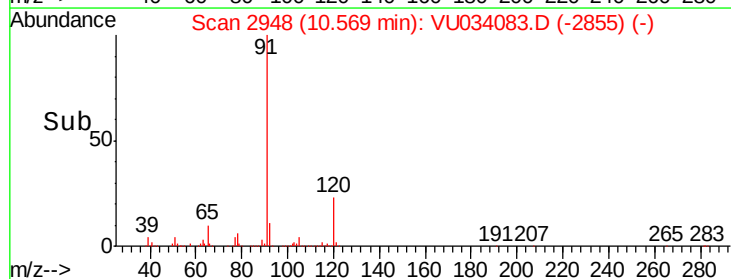
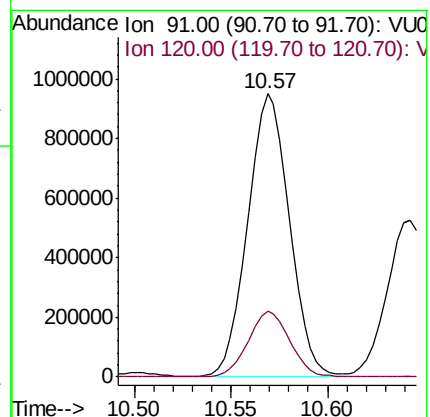
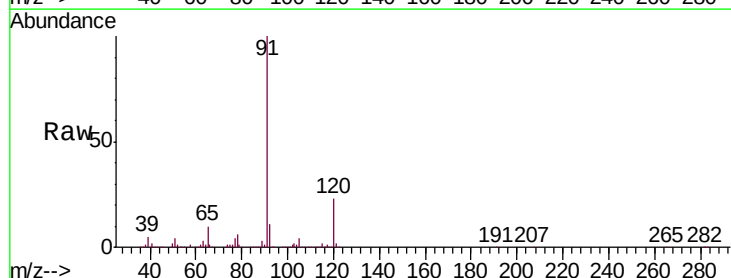
Acq: 30 Aug 2019 09:13

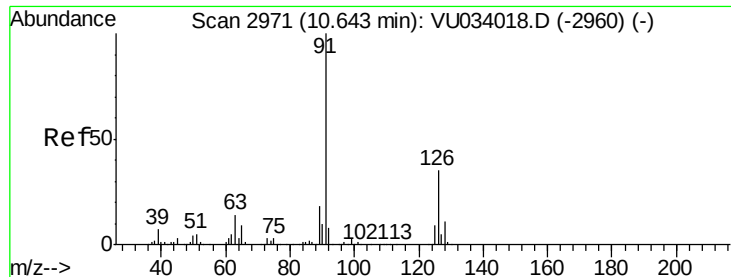
Tgt Ion: 91 Resp: 1424170

Ion Ratio Lower Upper

91 100

120 23.2 11.7 35.0





#79

2-Chlorotoluene

Concen: 50.514 ug/l

RT: 10.64 min Scan# 2971

Delta R.T. 0.00 min

Lab File: VU034083.D

Acq: 30 Aug 2019 09:13

Instrument :

MSVOA_U

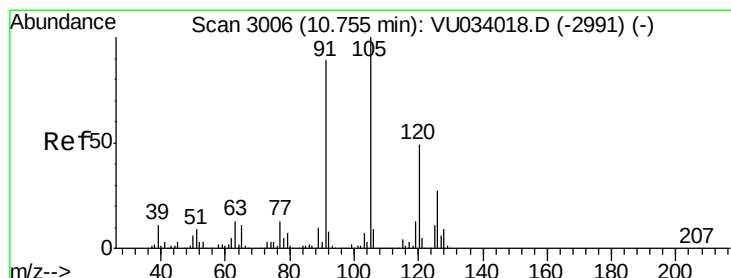
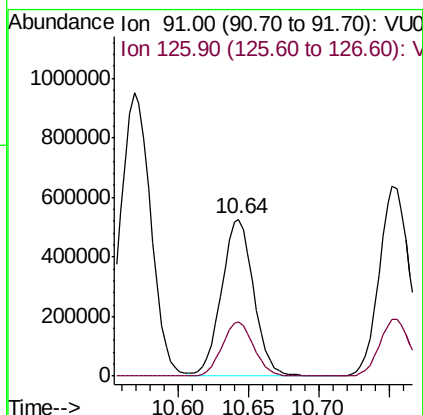
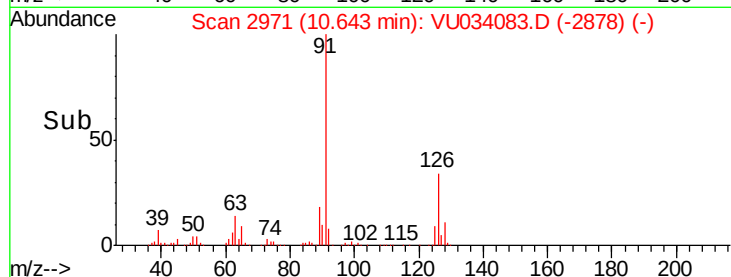
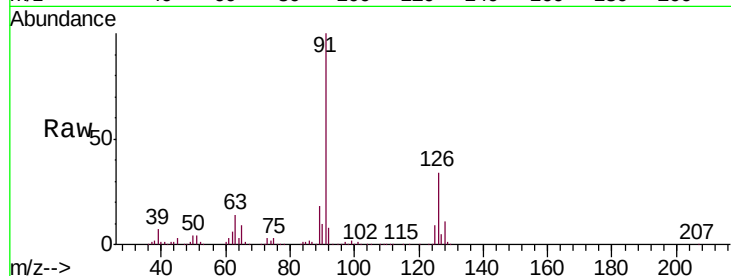
ClientSampleId :

Tot Ion: 91 Resp: 834911

Ion Ratio Lower Upper

91 100

126 34.1 17.1 51.2



#80

1,3,5-Trimethylbenzene

Concen: 52.690 ug/l

RT: 10.75 min Scan# 3005

Delta R.T. -0.00 min

Lab File: VU034083.D

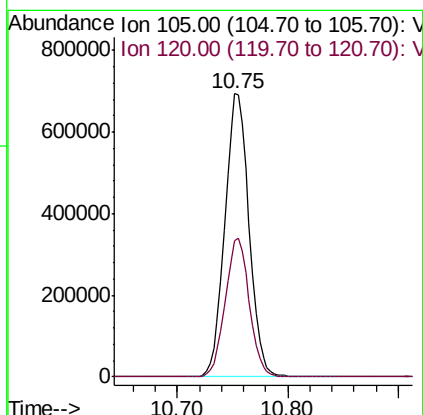
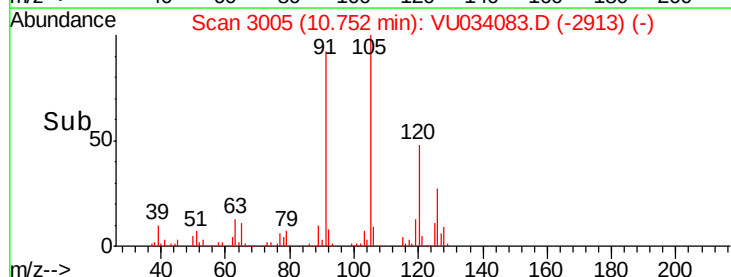
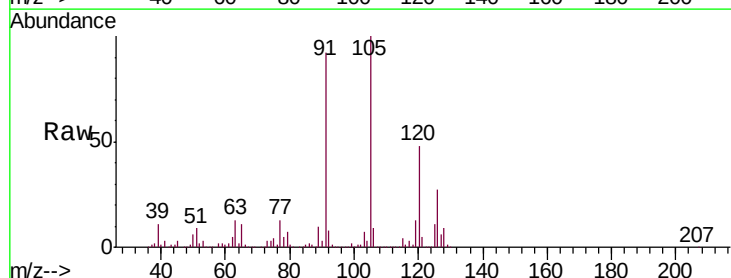
Acq: 30 Aug 2019 09:13

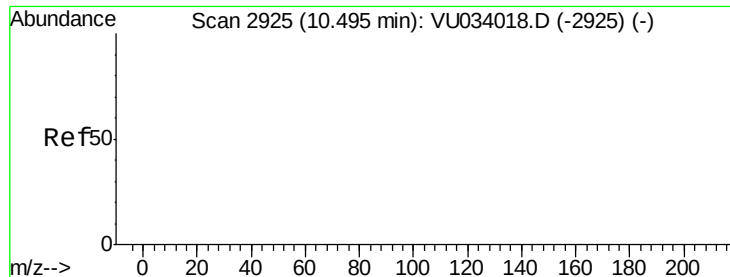
Tgt Ion: 105 Resp: 1056674

Ion Ratio Lower Upper

105 100

120 48.8 24.6 73.6

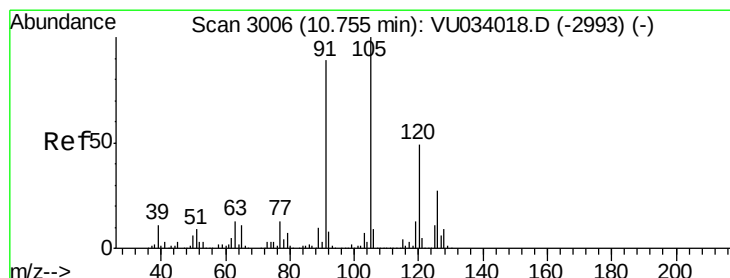
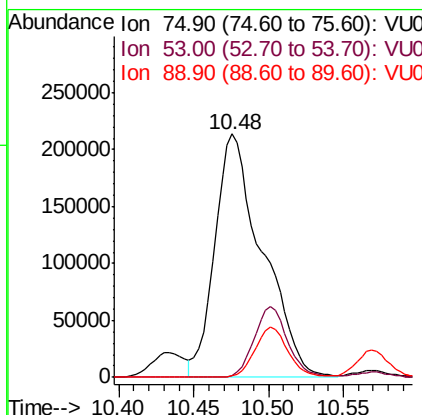
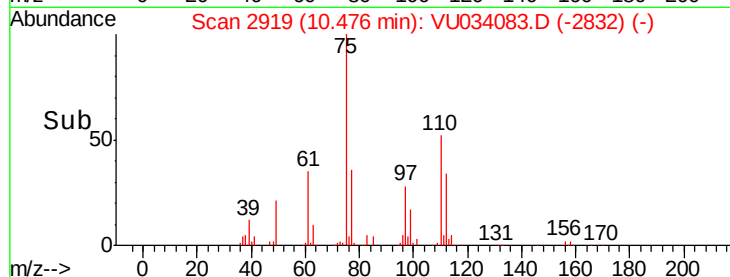
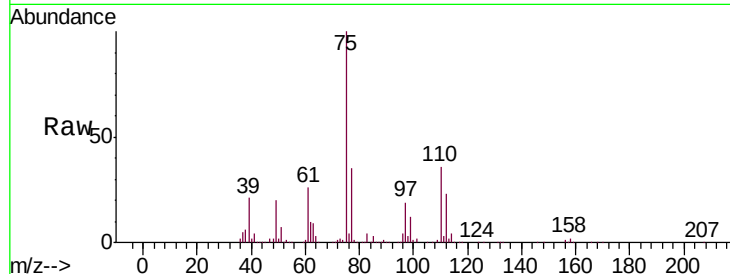




#81
trans-1,4-Dichloro-2-butene
Concen: 199.790 ug/l
RT: 10.48 min Scan# 2919
Delta R.T. -0.02 min
Lab File: VU034083.D
Acq: 30 Aug 2019 09:13

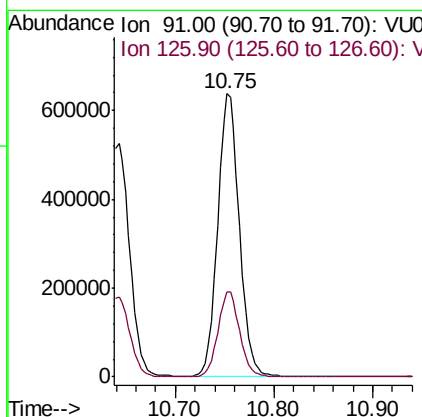
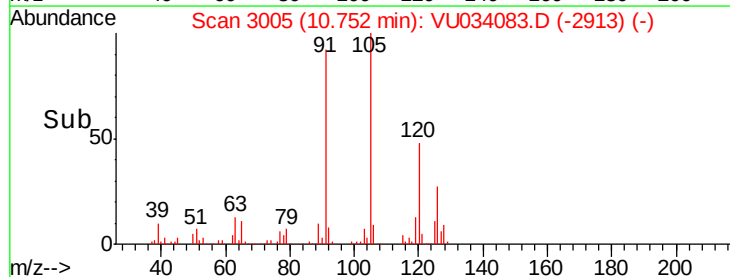
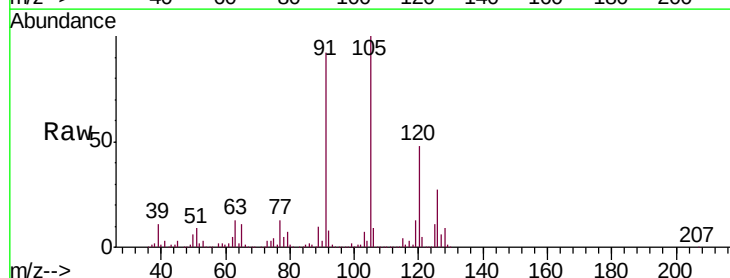
Instrument :
MSVOA_U
ClientSampled :

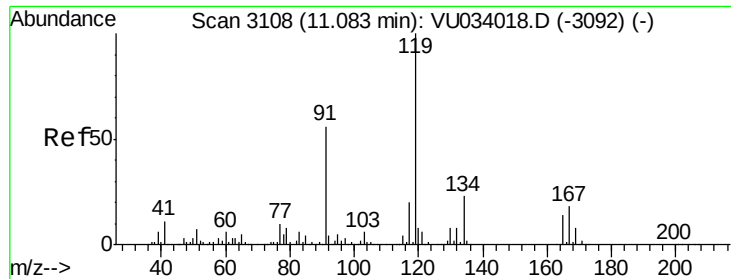
Tot Ion: 75 Resp: 471076
Ion Ratio Lower Upper
75 100
53 0.0 0.0 0.0
89 0.0 0.0 0.0



#82
4-Chlorotoluene
Concen: 51.389 ug/l
RT: 10.75 min Scan# 3005
Delta R.T. -0.00 min
Lab File: VU034083.D
Acq: 30 Aug 2019 09:13

Tgt Ion: 91 Resp: 976837
Ion Ratio Lower Upper
91 100
126 30.2 15.0 45.1

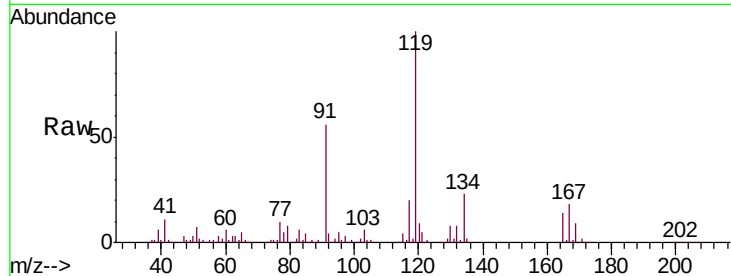




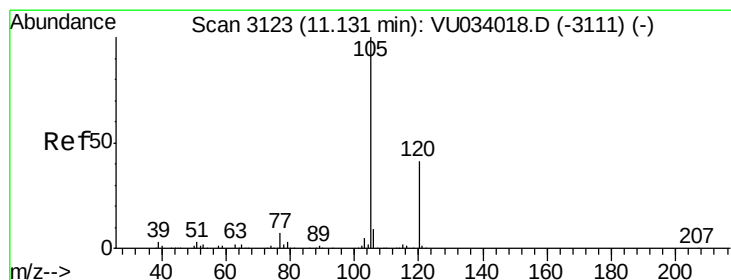
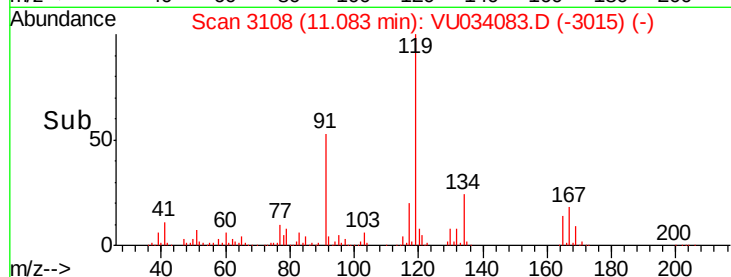
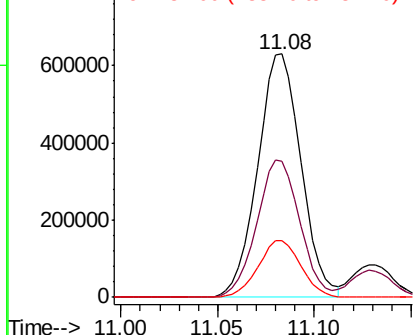
#83
 tert-Butylbenzene
 Concen: 49.774 ug/l
 RT: 11.08 min Scan# 3108
 Delta R.T. 0.00 min
 Lab File: VU034083.D
 Acq: 30 Aug 2019 09:13

Instrument :
 MSVOA_U
 ClientSampled :

Tot Ion:119 Resp: 982670
 Ion Ratio Lower Upper
 119 100
 91 55.7 27.9 83.6
 134 23.1 11.4 34.2

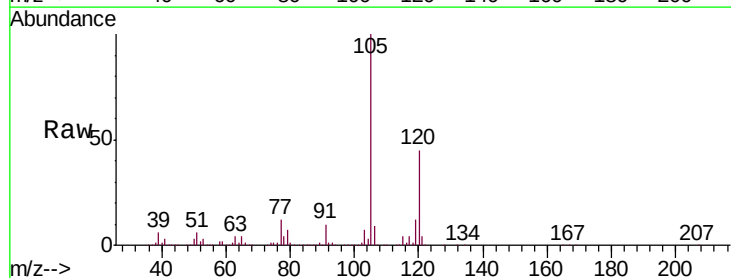


Abundance Ion 119.00 (118.70 to 119.70): V
 Ion 91.00 (90.70 to 91.70): VU0
 Ion 134.00 (133.70 to 134.70): V

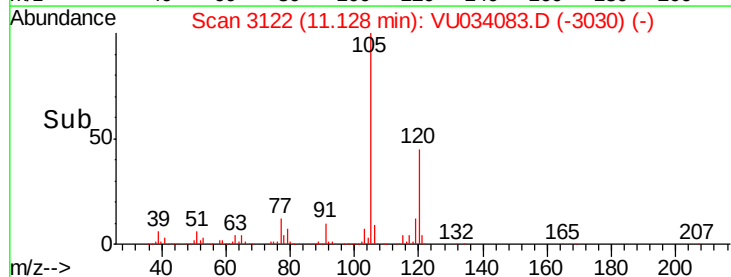
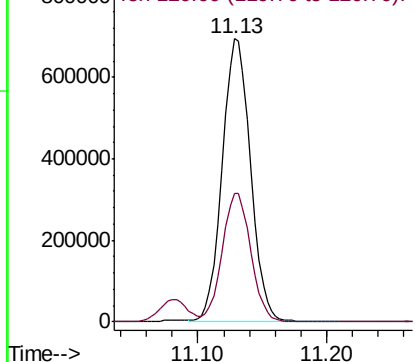


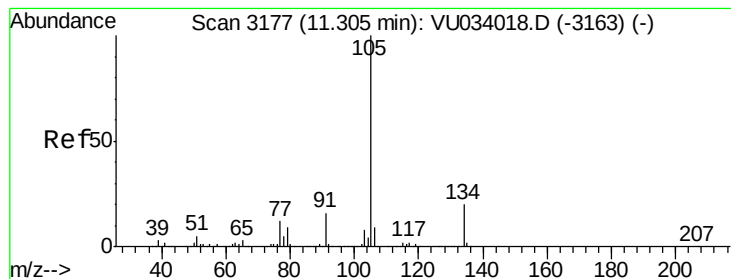
#84
 1,2,4-Trimethylbenzene
 Concen: 52.990 ug/l
 RT: 11.13 min Scan# 3122
 Delta R.T. -0.00 min
 Lab File: VU034083.D
 Acq: 30 Aug 2019 09:13

Tgt Ion:105 Resp: 1055247
 Ion Ratio Lower Upper
 105 100
 120 45.6 22.6 67.8



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





#85

sec-Butylbenzene

Concen: 51.044 ug/l

RT: 11.31 min Scan# 3177

Delta R.T. 0.00 min

Lab File: VU034083.D

Acq: 30 Aug 2019 09:13

Instrument :

MSVOA_U

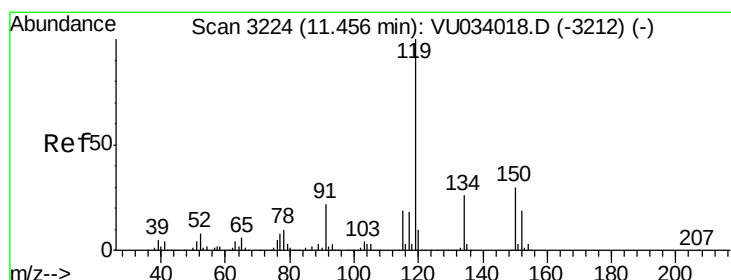
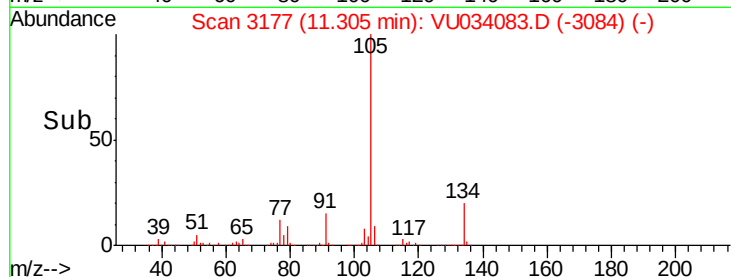
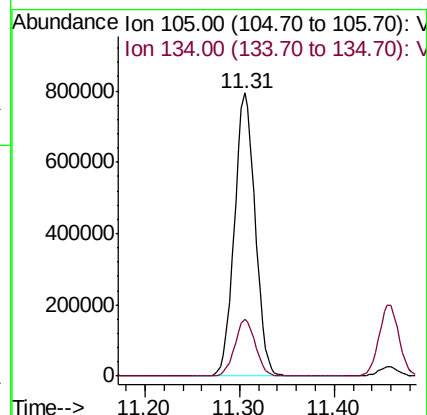
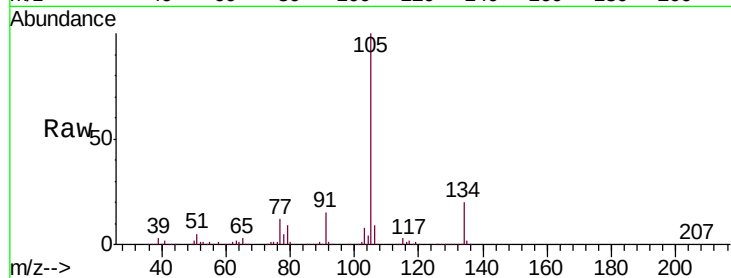
ClientSampleId :

Tot Ion:105 Resp: 1207818

Ion Ratio Lower Upper

105 100

134 20.0 10.0 30.0



#86

p-Isopropyltoluene

Concen: 53.069 ug/l

RT: 11.46 min Scan# 3224

Delta R.T. 0.00 min

Lab File: VU034083.D

Acq: 30 Aug 2019 09:13

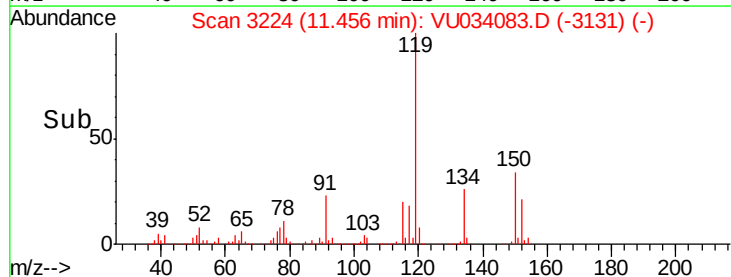
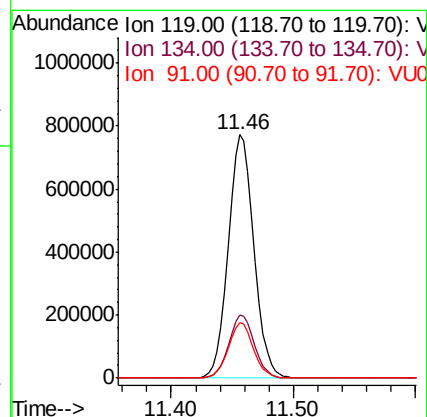
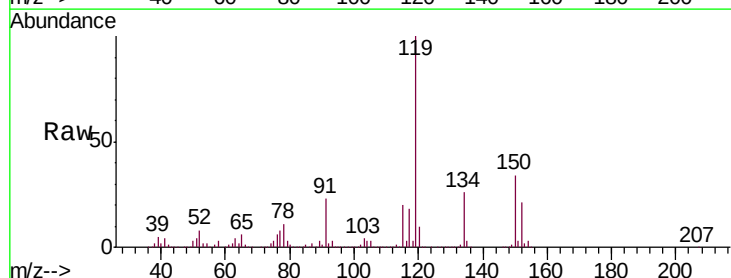
Tgt Ion:119 Resp: 1135699

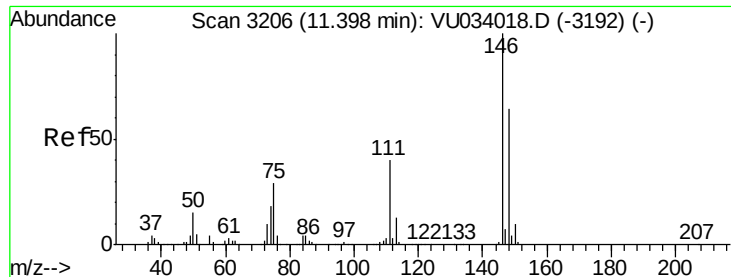
Ion Ratio Lower Upper

119 100

134 26.0 13.1 39.1

91 22.5 11.2 33.6

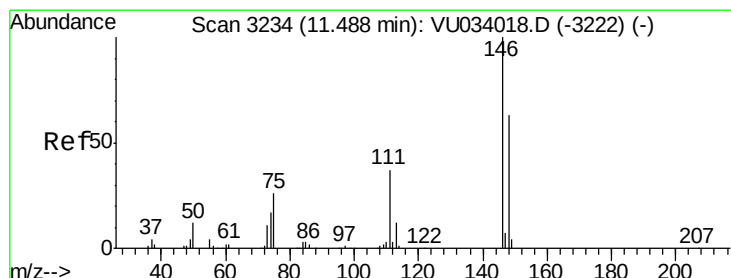
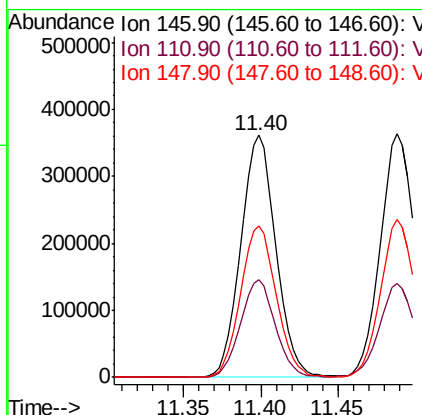
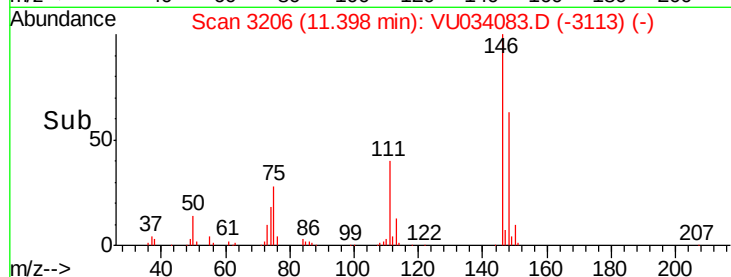
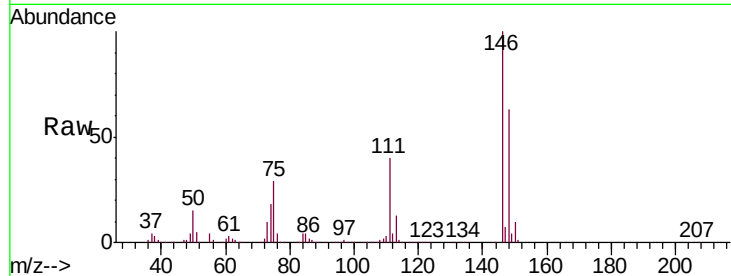




#87
 1,3-Dichlorobenzene
 Concen: 50.674 ug/l
 RT: 11.40 min Scan# 3206
 Delta R.T. 0.00 min
 Lab File: VU034083.D
 Acq: 30 Aug 2019 09:13

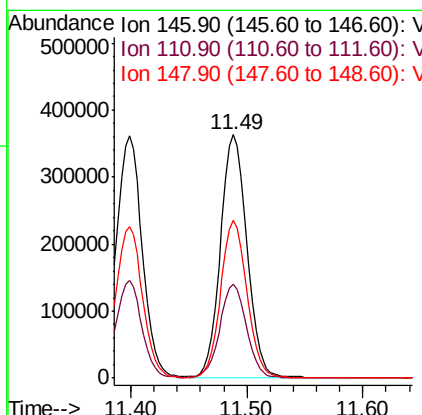
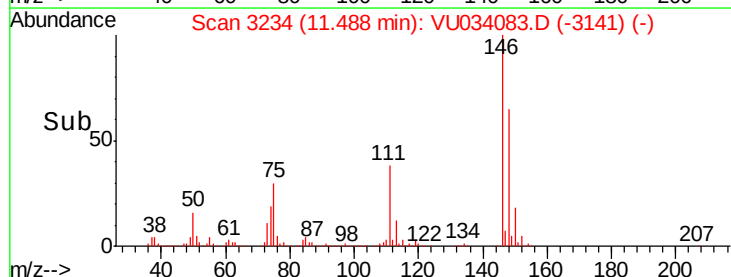
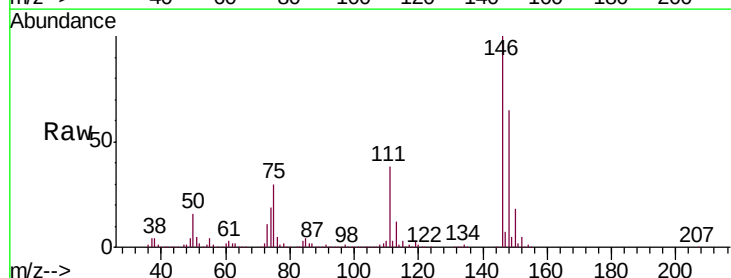
Instrument :
 MSVOA_U
 ClientSampled :

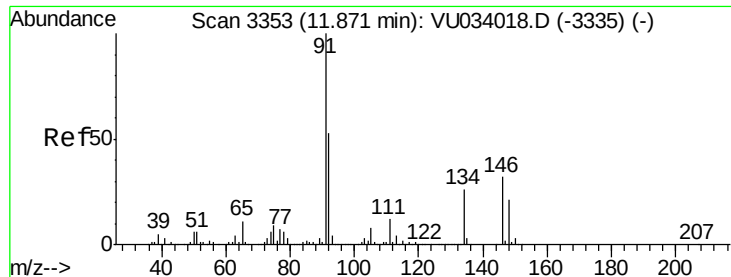
Tot Ion	Ratio	Lower	Upper
146	100		
111	39.9	19.9	59.6
148	63.6	31.9	95.5



#88
 1,4-Dichlorobenzene
 Concen: 50.390 ug/l
 RT: 11.49 min Scan# 3234
 Delta R.T. 0.00 min
 Lab File: VU034083.D
 Acq: 30 Aug 2019 09:13

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.8	19.2	57.6
148	64.2	31.9	95.9





#89

n-Butylbenzene

Concen: 54.828 ug/l

RT: 11.87 min Scan# 3353

Delta R.T. 0.00 min

Lab File: VU034083.D

Acq: 30 Aug 2019 09:13

Instrument :

MSVOA_U

ClientSampled :

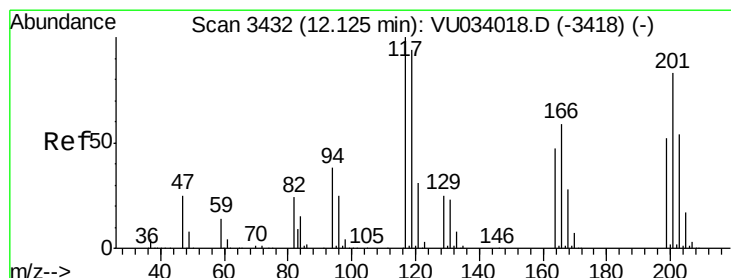
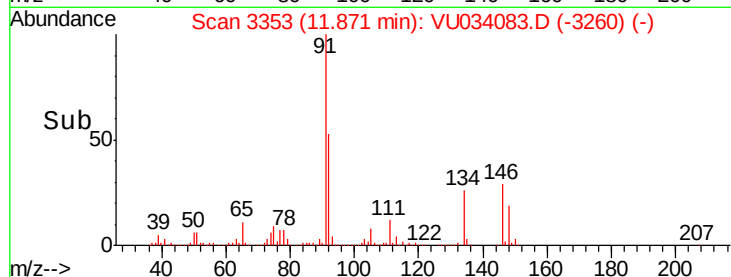
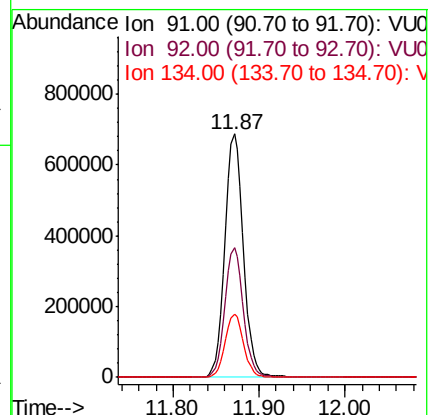
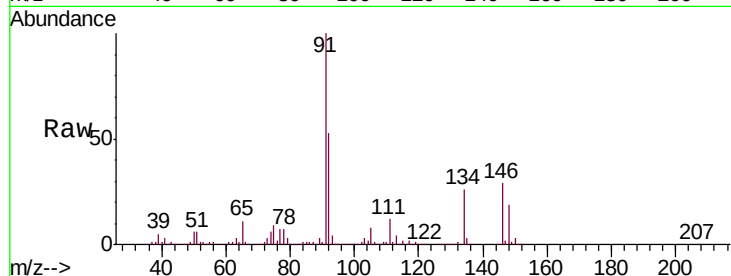
Tot Ion: 91 Resp: 1034495

Ion Ratio Lower Upper

91 100

92 53.0 26.3 78.9

134 25.8 12.9 38.7



#90

Hexachloroethane

Concen: 44.790 ug/l

RT: 12.13 min Scan# 3432

Delta R.T. 0.00 min

Lab File: VU034083.D

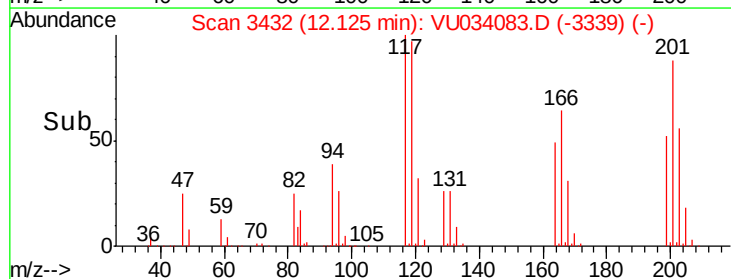
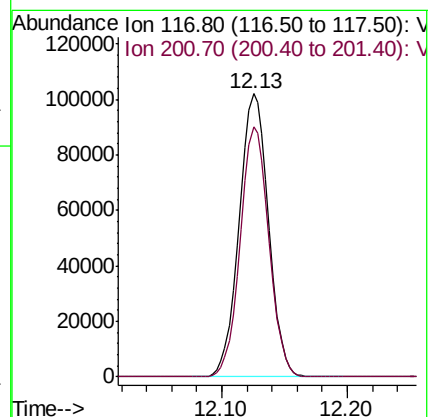
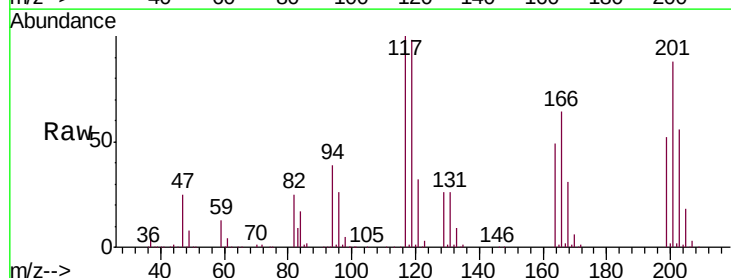
Acq: 30 Aug 2019 09:13

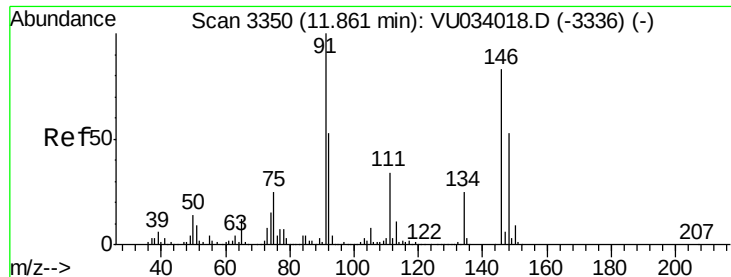
Tgt Ion: 117 Resp: 165722

Ion Ratio Lower Upper

117 100

201 86.3 42.5 127.6





#91

1,2-Dichlorobenzene

Concen: 51.303 ug/l

RT: 11.86 min Scan# 3350

Delta R.T. 0.00 min

Lab File: VU034083.D

Acq: 30 Aug 2019 09:13

Instrument :

MSVOA_U

ClientSampled :

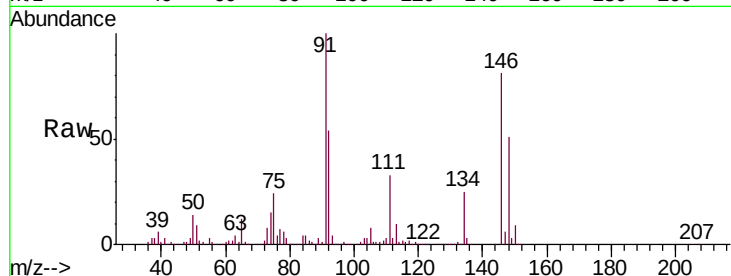
Tot Ion:146 Resp: 553776

Ion Ratio Lower Upper

146 100

111 40.8 20.4 61.2

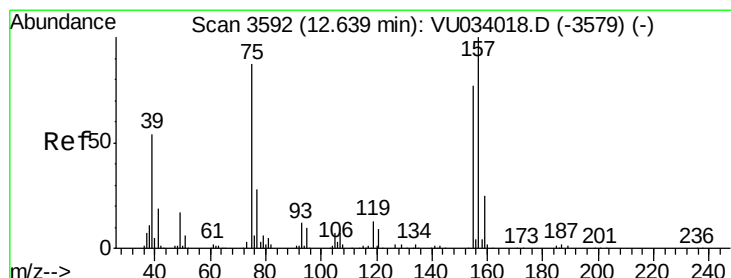
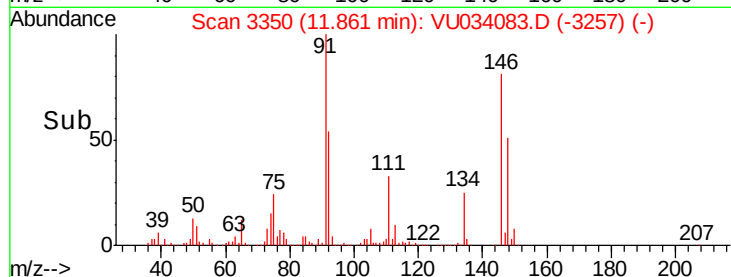
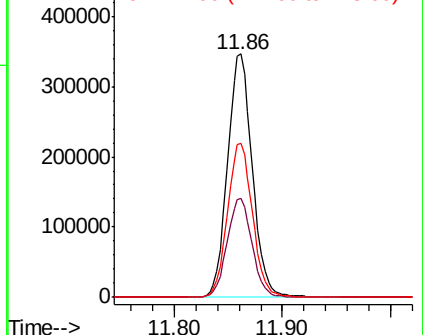
148 64.1 32.3 96.8



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 48.177 ug/l

RT: 12.64 min Scan# 3592

Delta R.T. 0.00 min

Lab File: VU034083.D

Acq: 30 Aug 2019 09:13

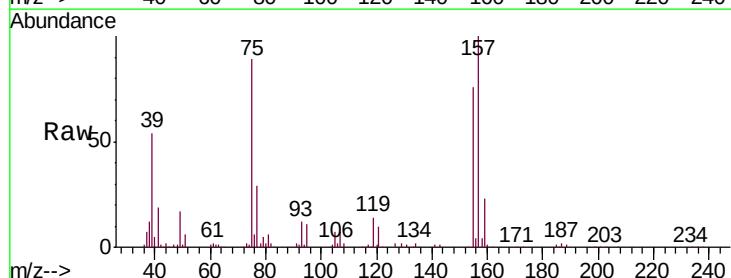
Tgt Ion: 75 Resp: 86922

Ion Ratio Lower Upper

75 100

155 87.5 43.5 130.7

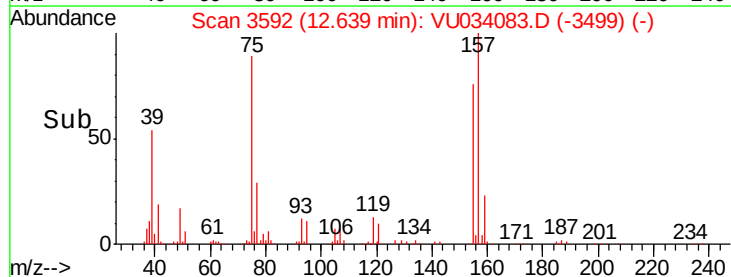
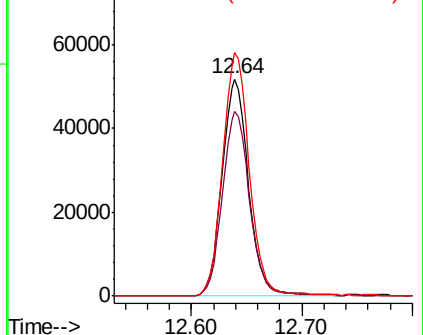
157 111.8 56.9 170.6

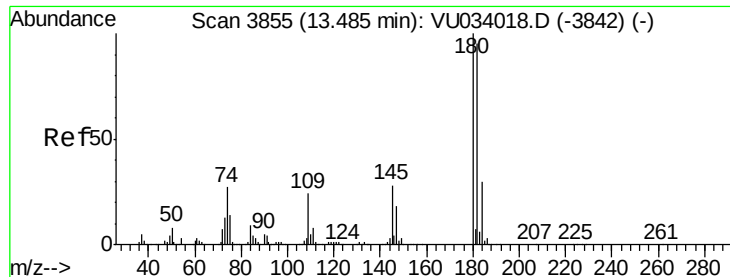


Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

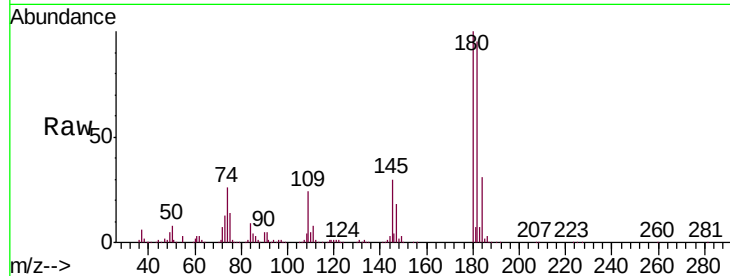




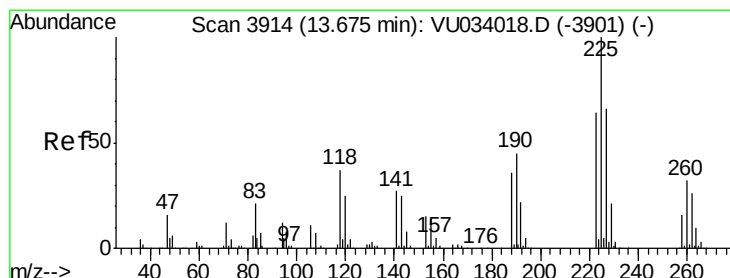
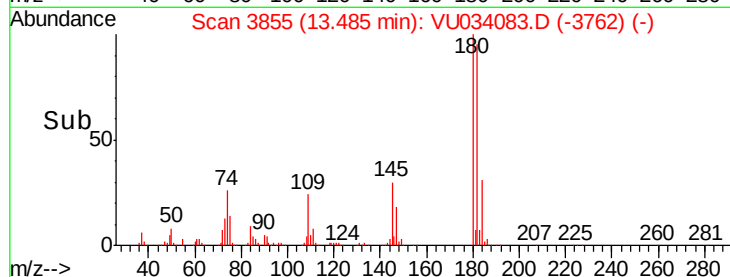
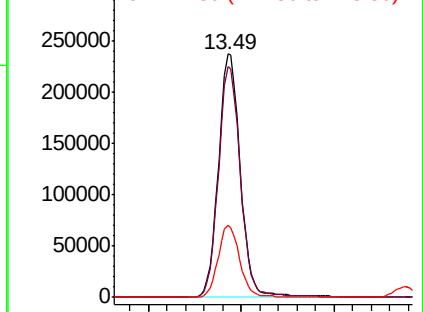
#93
 1,2,4-Trichlorobenzene
 Concen: 50.737 ug/l
 RT: 13.49 min Scan# 3855
 Delta R.T. 0.00 min
 Lab File: VU034083.D
 Acq: 30 Aug 2019 09:13

Instrument :
 MSVOA_U
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
180	100		
182	94.4	47.4	142.2
145	29.3	14.1	42.3

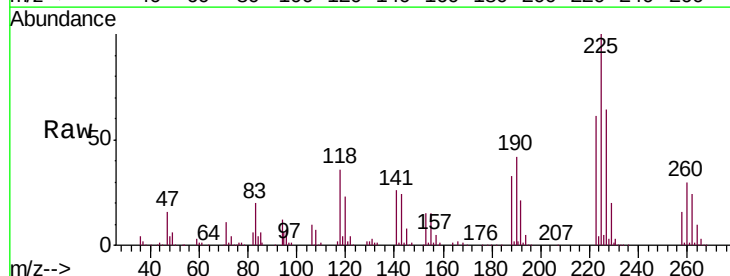


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

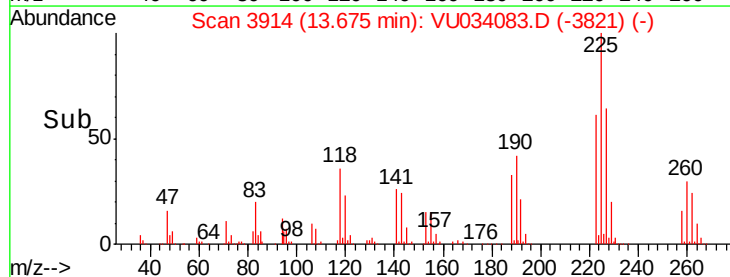
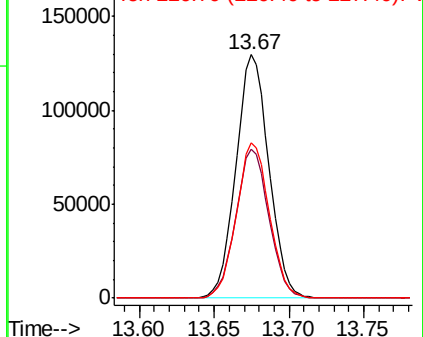


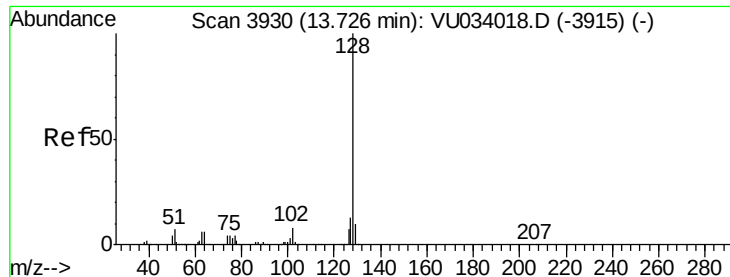
#94
 Hexachlorobutadiene
 Concen: 47.062 ug/l
 RT: 13.67 min Scan# 3914
 Delta R.T. 0.00 min
 Lab File: VU034083.D
 Acq: 30 Aug 2019 09:13

Tgt Ion	Ratio	Lower	Upper
225	100		
223	61.7	31.8	95.3
227	63.8	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

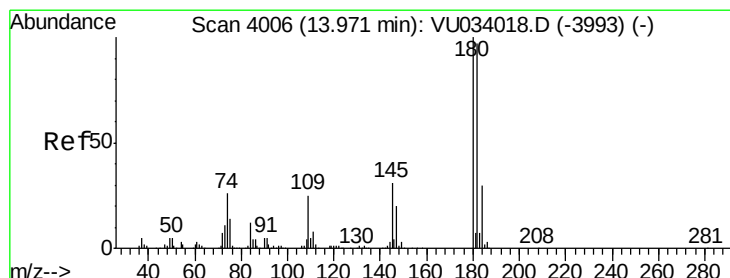
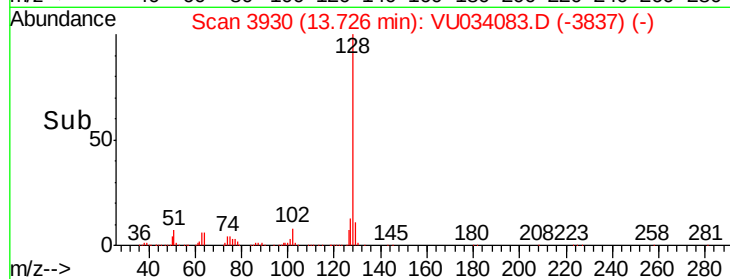
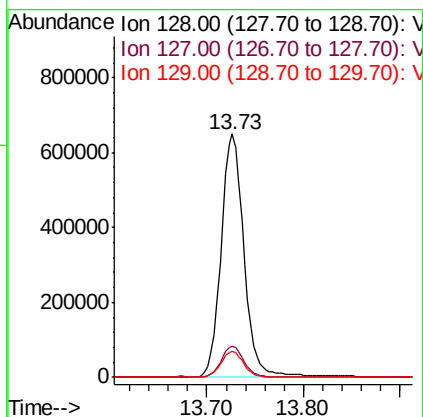
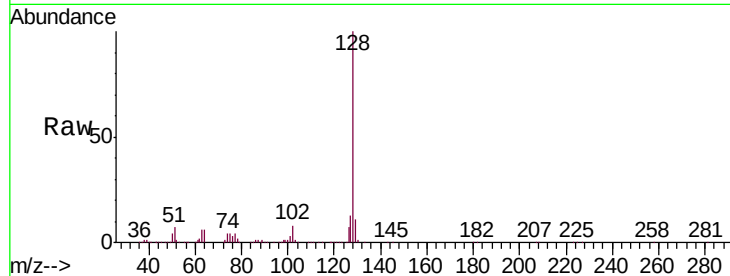




#95
Naphthalene
Concen: 48.653 ug/l
RT: 13.73 min Scan# 3930
Delta R.T. 0.00 min
Lab File: VU034083.D
Acq: 30 Aug 2019 09:13

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion:128 Resp: 1068674
Ion Ratio Lower Upper
128 100
127 12.9 10.2 15.4
129 10.6 8.4 12.6



#96
1,2,3-Trichlorobenzene
Concen: 54.788 ug/l
RT: 13.97 min Scan# 4006
Delta R.T. 0.00 min
Lab File: VU034083.D
Acq: 30 Aug 2019 09:13

Tgt Ion:180 Resp: 378840
Ion Ratio Lower Upper
180 100
182 96.2 48.2 144.6
145 30.8 15.5 46.5

