

Data File : VU034220.D
Acq On : 03 Sep 2019 12:18
Operator : JC/SP
Sample : VU0904MBS01
Misc : 5.00g/10mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VU0904MBS01

Quant Time: Sep 04 04:20:19 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	383790	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.86	114	604501	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.07	117	585802	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.46	152	314308	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.29	65	235621	47.91	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.82%	
35) Dibromofluoromethane	4.86	113	201711	48.11	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.22%	
50) Toluene-d8	7.55	98	775133	49.37	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.74%	
62) 4-Bromofluorobenzene	10.29	95	288430	47.23	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.46%	

Target Compounds				Qvalue		
2) Dichlorodifluoromethane	1.20	85	71911	18.631	ug/l	97
3) Chloromethane	1.32	50	91678	16.379	ug/l	99
4) Vinyl Chloride	1.40	62	93819	18.262	ug/l	96
5) Bromomethane	1.62	94	53760	18.026	ug/l	98
6) Chloroethane	1.69	64	59521	18.952	ug/l	98
7) Trichlorofluoromethane	1.88	101	114582	19.249	ug/l	100
8) Diethyl Ether	2.09	74	50481	19.824	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	2.28	101	74090	19.648	ug/l	98
10) Methyl Iodide	2.40	142	58819	10.996	ug/l	100
11) Tert butyl alcohol	2.81	59	94062	82.944	ug/l	99
12) 1,1-Dichloroethene	2.27	96	75582	19.672	ug/l	98
13) Acrolein	2.18	56	22444	47.047	ug/l	99
14) Allyl chloride	2.58	41	123057	17.035	ug/l	94
15) Acrylonitrile	2.92	53	259695	99.796	ug/l	99
16) Acetone	2.31	43	227146	90.525	ug/l	100
17) Carbon Disulfide	2.47	76	202070	16.617	ug/l	100
18) Methyl Acetate	2.60	43	126121	19.450	ug/l	99
19) Methyl tert-butyl Ether	2.98	73	255219	20.274	ug/l	100
20) Methylene Chloride	2.69	84	90951	19.147	ug/l	99
21) trans-1,2-Dichloroethene	2.97	96	80175	19.227	ug/l	99
22) Diisopropyl ether	3.55	45	271065	20.478	ug/l	94
23) Vinyl Acetate	3.50	43	1119392	98.442	ug/l	100
24) 1,1-Dichloroethane	3.43	63	158617	20.296	ug/l	100
25) 2-Butanone	4.24	43	343193	98.309	ug/l	99
26) 2,2-Dichloropropane	4.20	77	122029	19.190	ug/l	99
27) cis-1,2-Dichloroethene	4.20	96	90167	19.265	ug/l	99
28) Bromochloromethane	4.52	49	76793	19.945	ug/l	99
29) Tetrahydrofuran	4.62	42	218082	101.298	ug/l	99
30) Chloroform	4.65	83	153942	19.743	ug/l	99
31) Cyclohexane	4.97	56	133381	18.163	ug/l	96
32) 1,1,1-Trichloroethane	4.89	97	125827	19.704	ug/l	99
36) 1,1-Dichloropropene	5.12	75	109972	19.233	ug/l	99
37) Ethyl Acetate	4.36	43	122638	19.153	ug/l	99
38) Carbon Tetrachloride	5.11	117	107693	19.513	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.40	83	118414	17.571	ug/l	95
40) Benzene	5.37	78	338727	19.580	ug/l	99
41) Methacrylonitrile	4.52	41	67426	20.533	ug/l	98
42) 1,2-Dichloroethane	5.38	62	118329	19.808	ug/l	98
43) Isopropyl Acetate	5.53	43	191485	19.657	ug/l	99
44) Trichloroethene	6.17	130	89435	19.687	ug/l	99
45) 1,2-Dichloropropane	6.41	63	94366	19.816	ug/l	100
46) Dibromomethane	6.54	93	61519	20.051	ug/l	99
47) Bromodichloromethane	6.74	83	117663	19.602	ug/l	100
48) Methyl methacrylate	6.60	41	86609	18.425	ug/l	96
49) 1,4-Dioxane	6.59	88	36495	309.869	ug/l	99
51) 4-Methyl-2-Pentanone	7.44	43	644964	95.873	ug/l	99
52) Toluene	7.62	92	213615	20.045	ug/l	99
53) t-1,3-Dichloropropene	7.86	75	126269	18.958	ug/l	100
54) cis-1,3-Dichloropropene	7.25	75	142000	19.515	ug/l	98
55) 1,1,2-Trichloroethane	8.05	97	89604	19.878	ug/l	98
56) Ethyl methacrylate	8.00	69	123523	17.171	ug/l	99
57) 1,3-Dichloropropane	8.22	76	149379	19.517	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.11	63	216609	86.859	ug/l	99
59) 2-Hexanone	8.34	43	480297	94.575	ug/l	100
60) Dibromochloromethane	8.46	129	95059	19.645	ug/l	98
61) 1,2-Dibromoethane	8.57	107	89416	18.831	ug/l	96
64) Tetrachloroethene	8.21	164	79623	20.239	ug/l	98
65) Chlorobenzene	9.10	112	234832	19.480	ug/l	97
66) 1,1,1,2-Tetrachloroethane	9.19	131	82912	18.967	ug/l	99
67) Ethyl Benzene	9.23	91	396501	19.403	ug/l	98
68) m/p-Xylenes	9.36	106	305764	39.351	ug/l	100
69) o-Xylene	9.76	106	145090	19.463	ug/l	99
70) Styrene	9.77	104	256049	20.032	ug/l	99
71) Bromoform	9.94	173	71066	18.711	ug/l #	99
73) Isopropylbenzene	10.15	105	393607	18.644	ug/l	99
74) N-amyl acetate	10.00	43	157790	17.770	ug/l	99
75) 1,1,2,2-Tetrachloroethane	10.44	83	151419	18.739	ug/l	100
76) 1,2,3-Trichloropropane	10.48	75	162734	22.972	ug/l	87
77) Bromobenzene	10.43	156	106797	18.805	ug/l	100
78) n-propylbenzene	10.57	91	460335	18.723	ug/l	99
79) 2-Chlorotoluene	10.64	91	279269	18.937	ug/l	100
80) 1,3,5-Trimethylbenzene	10.75	105	343231	19.182	ug/l	100
81) trans-1,4-Dichloro-2-buten	10.48	75	163463	77.699	ug/l #	100
82) 4-Chlorotoluene	10.75	91	321848	18.976	ug/l	99
83) tert-Butylbenzene	11.08	119	317894	18.047	ug/l	99
84) 1,2,4-Trimethylbenzene	11.13	105	341675	19.230	ug/l	100
85) sec-Butylbenzene	11.30	105	393619	18.644	ug/l	100
86) p-Isopropyltoluene	11.46	119	357657	18.731	ug/l	99
87) 1,3-Dichlorobenzene	11.40	146	191721	19.069	ug/l	100
88) 1,4-Dichlorobenzene	11.49	146	193590	19.039	ug/l	99
89) n-Butylbenzene	11.87	91	307833	18.286	ug/l	100
90) Hexachloroethane	12.12	117	52602	15.934	ug/l	98
91) 1,2-Dichlorobenzene	11.86	146	187330	19.450	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	12.64	75	28619	17.778	ug/l	97

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU090419\
Quantitation Report (Not Reviewed)

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QLast Update : Thu Aug 29 04:11:12 2019
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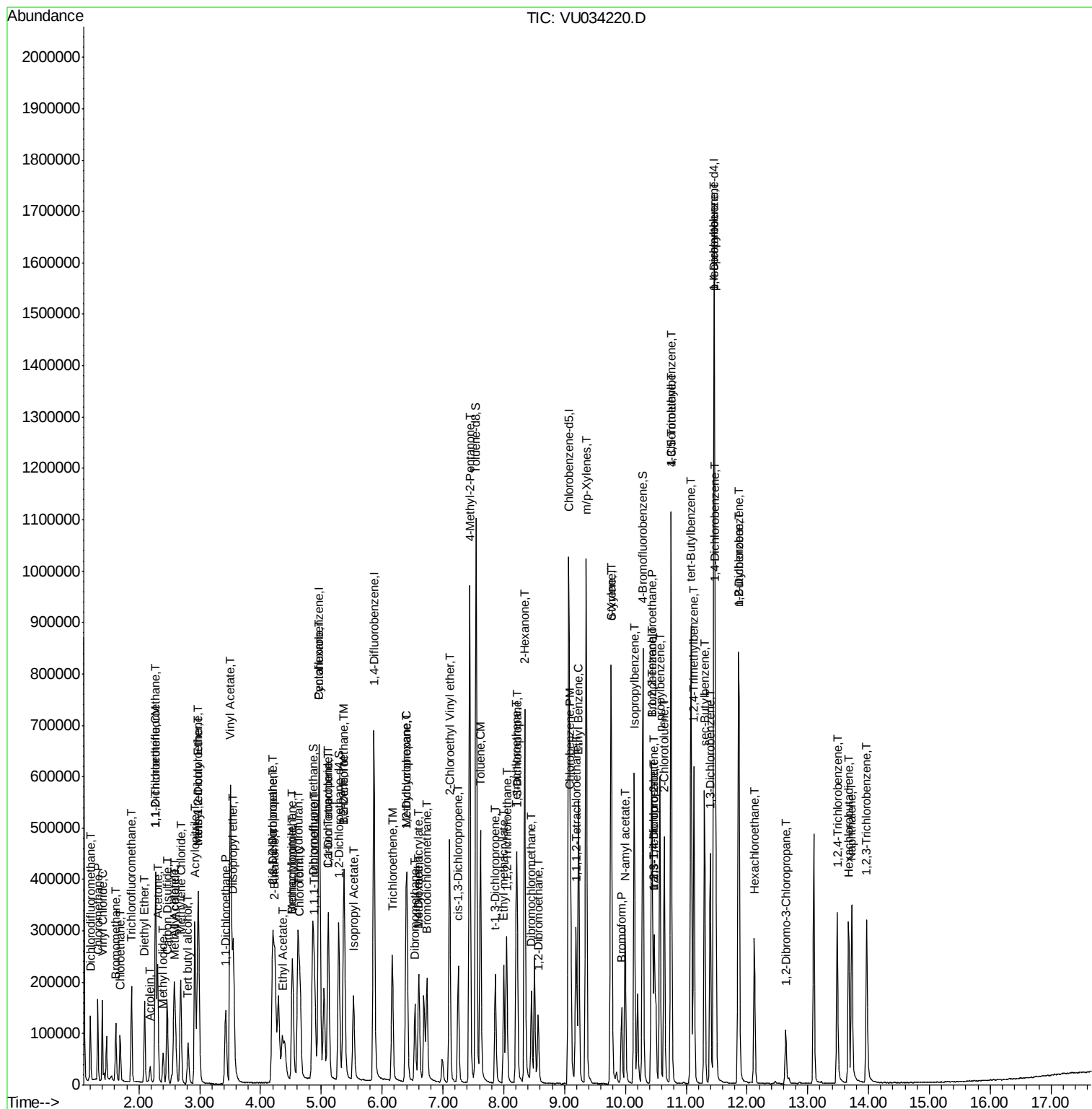
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.49	180	112450	17.163	ug/l	97
94) Hexachlorobutadiene	13.67	225	62388	16.559	ug/l	99
95) Naphthalene	13.73	128	319343	17.485	ug/l	99
96) 1,2,3-Trichlorobenzene	13.97	180	119748	19.409	ug/l	99

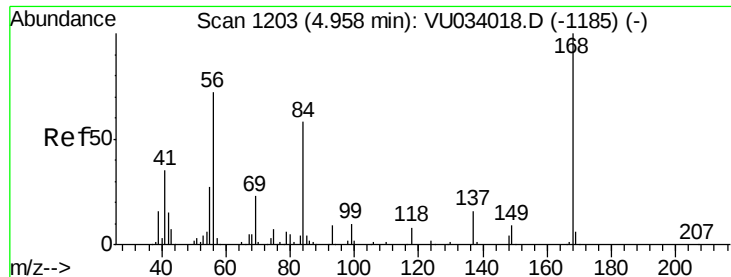
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.96 min Scan# 1204

Delta R.T. 0.00 min

Lab File: VU034220.D

Acq: 03 Sep 2019 12:18

Instrument :

MSVOA_U

ClientSampleId :

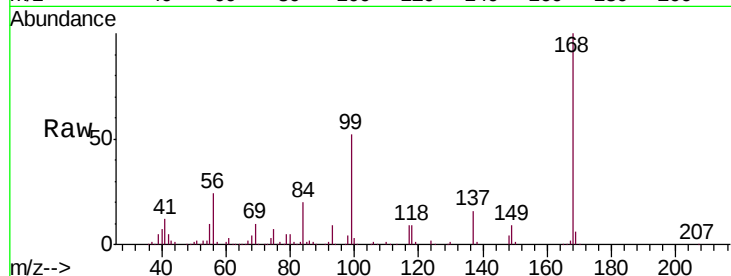
VU0904MBS01

Tgt Ion:168 Resp: 383790

Ion Ratio Lower Upper

168 100

99 51.5 42.3 63.5



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

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

4.96

150000

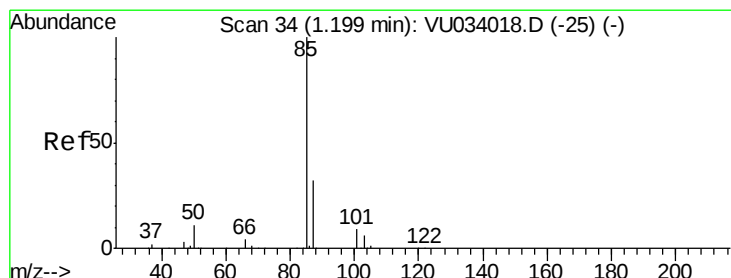
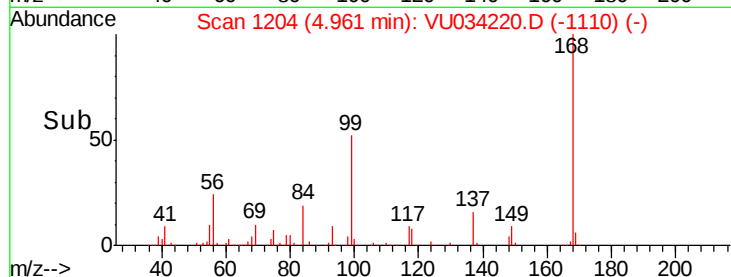
100000

50000

0

4.90 5.00 5.10

Time-->



#2

Dichlorodifluoromethane

Concen: 18.631 ug/l

RT: 1.20 min Scan# 35

Delta R.T. 0.00 min

Lab File: VU034220.D

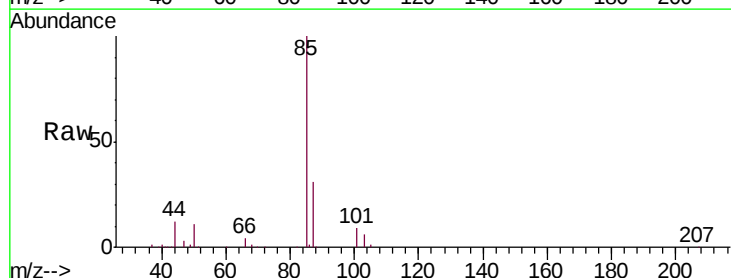
Acq: 03 Sep 2019 12:18

Tgt Ion: 85 Resp: 71911

Ion Ratio Lower Upper

85 100

87 30.8 16.1 48.3



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

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

1.20

80000

60000

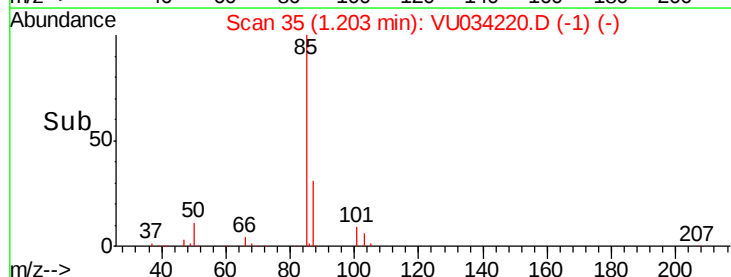
40000

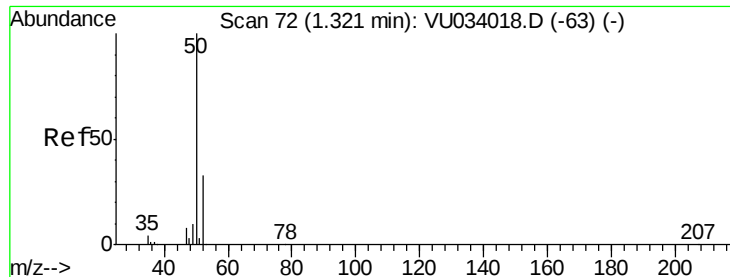
20000

0

1.15 1.20 1.25

Time-->





#3

Chloromethane

Concen: 16.379 ug/l

RT: 1.32 min Scan# 73

Delta R.T. 0.00 min

Lab File: VU034220.D

Acq: 03 Sep 2019 12:18

Instrument :

MSVOA_U

ClientSampleId :

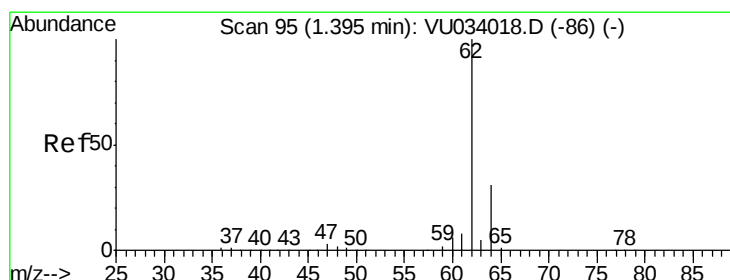
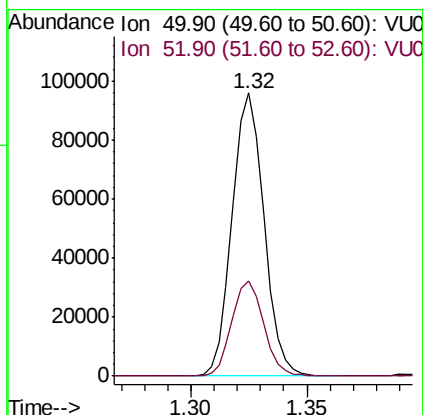
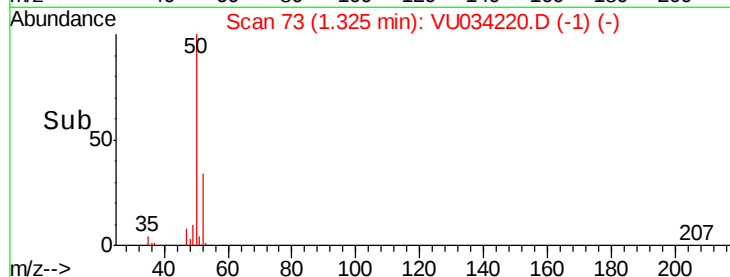
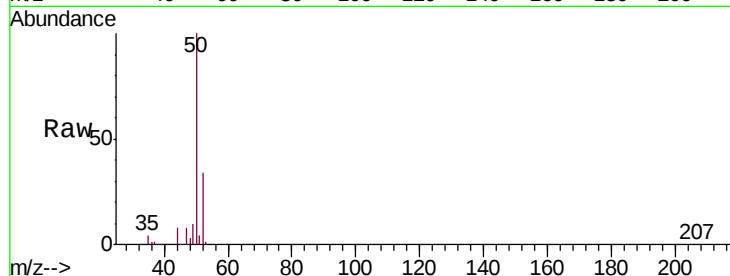
VU0904MBS01

Tgt Ion: 50 Resp: 91678

Ion Ratio Lower Upper

50 100

52 33.6 26.2 39.4



#4

Vinyl Chloride

Concen: 18.262 ug/l

RT: 1.40 min Scan# 96

Delta R.T. 0.00 min

Lab File: VU034220.D

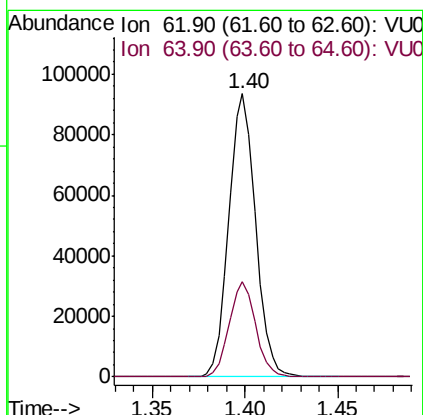
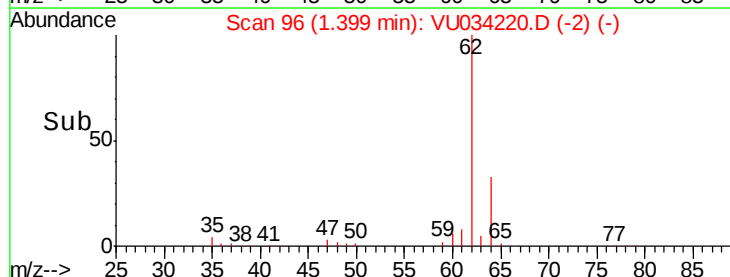
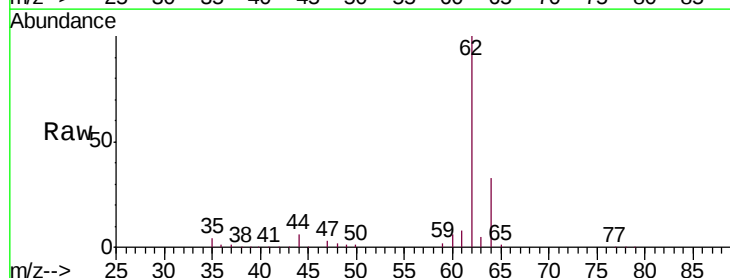
Acq: 03 Sep 2019 12:18

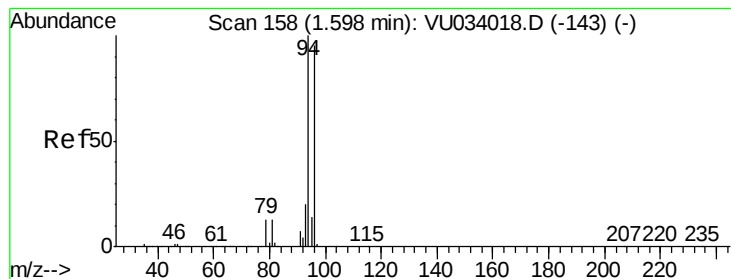
Tgt Ion: 62 Resp: 93819

Ion Ratio Lower Upper

62 100

64 33.3 25.0 37.6





#5

Bromomethane

Concen: 18.026 ug/l

RT: 1.62 min Scan# 165

Delta R.T. 0.02 min

Lab File: VU034220.D

Acq: 03 Sep 2019 12:18

Instrument :

MSVOA_U

ClientSampleId :

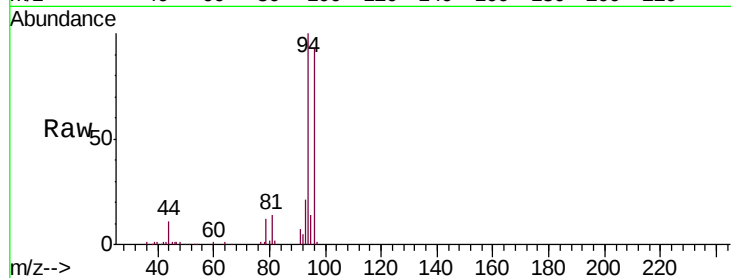
VU0904MBS01

Tgt Ion: 94 Resp: 53760

Ion Ratio Lower Upper

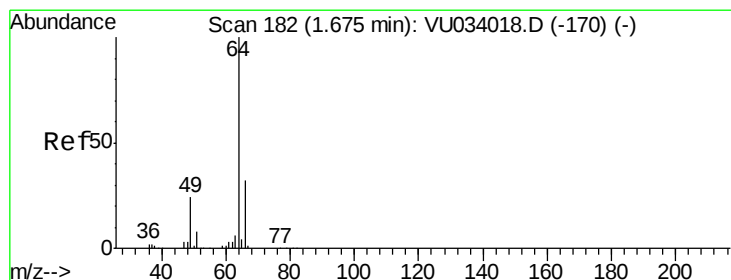
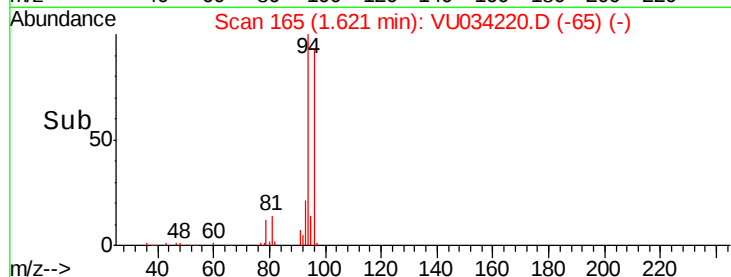
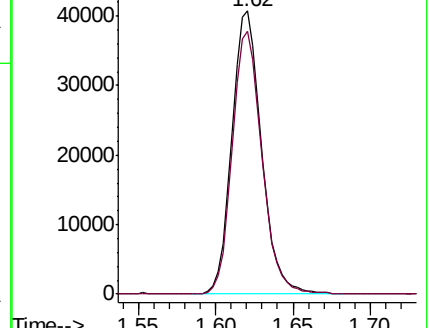
94 100

96 93.0 76.3 114.5



Abundance Ion 93.90 (93.60 to 94.60): VU034220.D (-165) (-)

Ion 95.90 (95.60 to 96.60): VU034220.D (-165) (-)



#6

Chloroethane

Concen: 18.952 ug/l

RT: 1.69 min Scan# 187

Delta R.T. 0.02 min

Lab File: VU034220.D

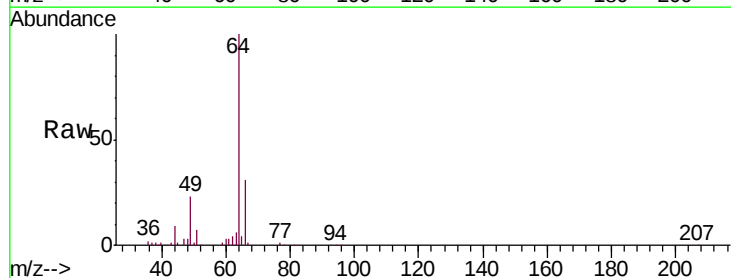
Acq: 03 Sep 2019 12:18

Tgt Ion: 64 Resp: 59521

Ion Ratio Lower Upper

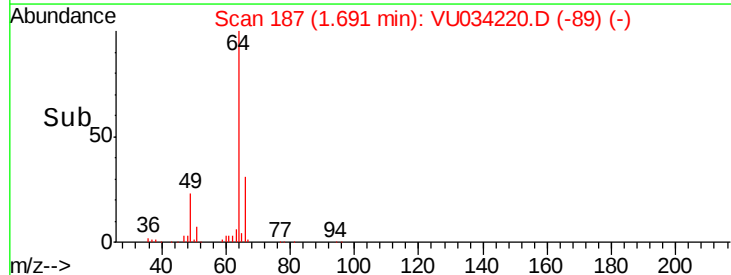
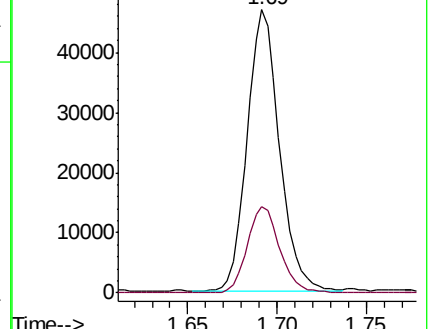
64 100

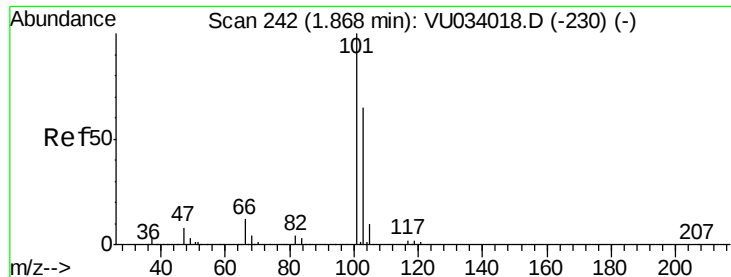
66 30.8 25.5 38.3



Abundance Ion 63.90 (63.60 to 64.60): VU034220.D (-187) (-)

Ion 65.90 (65.60 to 66.60): VU034220.D (-187) (-)



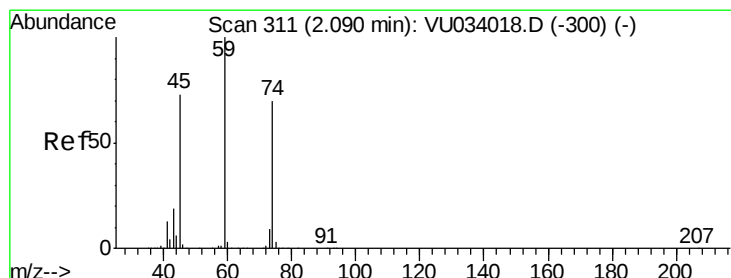
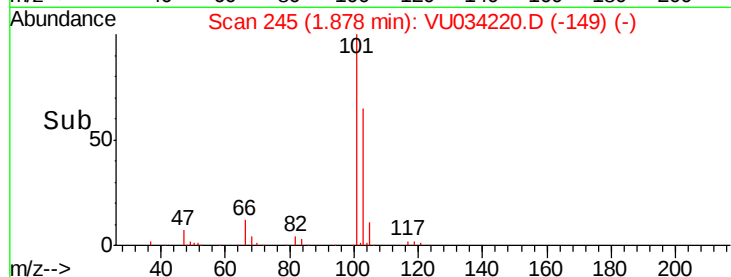
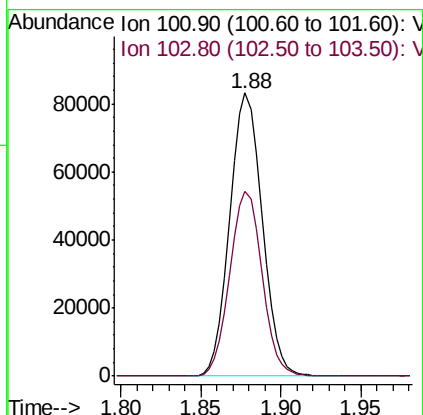
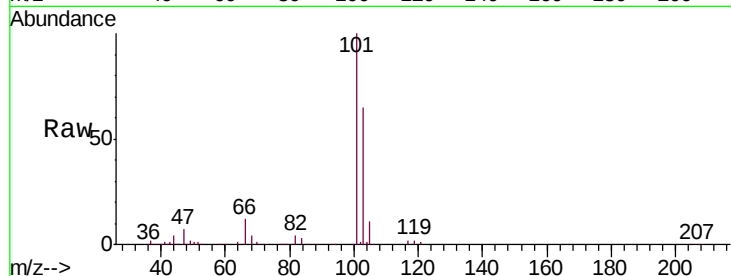


#7

Trichlorofluoromethane
 Concen: 19.249 ug/l
 RT: 1.88 min Scan# 245
 Delta R.T. 0.01 min
 Lab File: VU034220.D
 Acq: 03 Sep 2019 12:18

Instrument :
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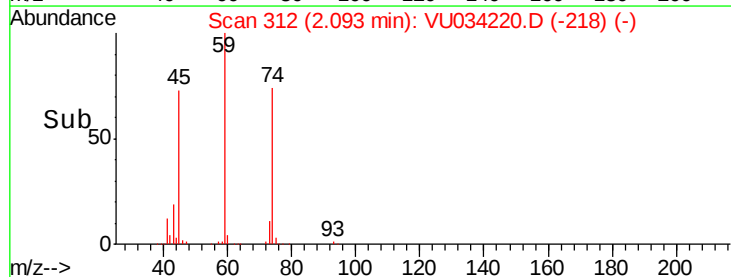
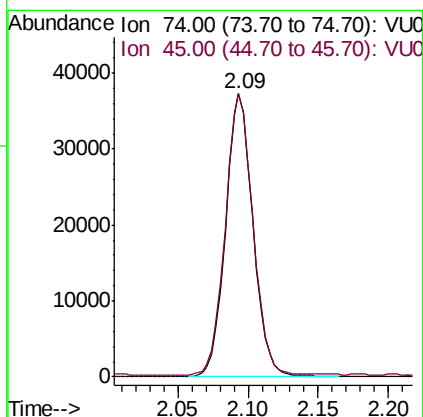
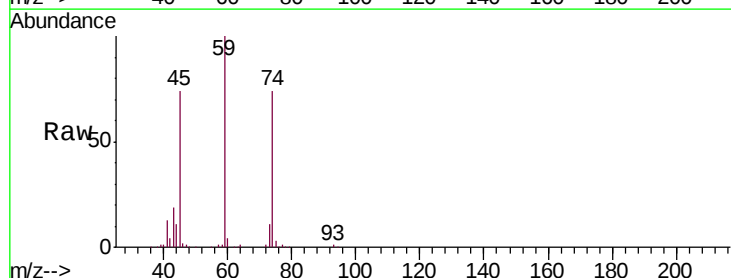
Tgt Ion:101 Resp: 114582
 Ion Ratio Lower Upper
 101 100
 103 65.5 52.1 78.1

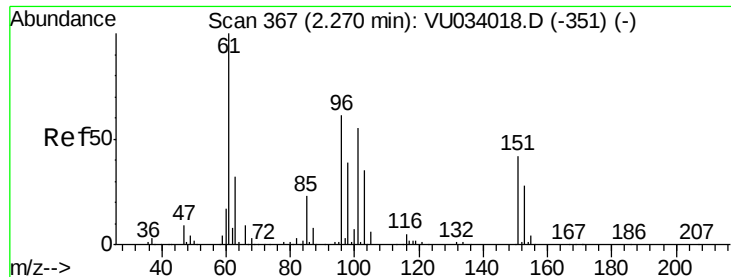


#8

Diethyl Ether
 Concen: 19.824 ug/l
 RT: 2.09 min Scan# 312
 Delta R.T. 0.00 min
 Lab File: VU034220.D
 Acq: 03 Sep 2019 12:18

Tgt Ion: 74 Resp: 50481
 Ion Ratio Lower Upper
 74 100
 45 99.6 51.8 155.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.648 ug/l

RT: 2.28 min Scan# 369

Delta R.T. 0.01 min

Lab File: VU034220.D

Acq: 03 Sep 2019 12:18

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ClientSampleId :

VU0904MBS01

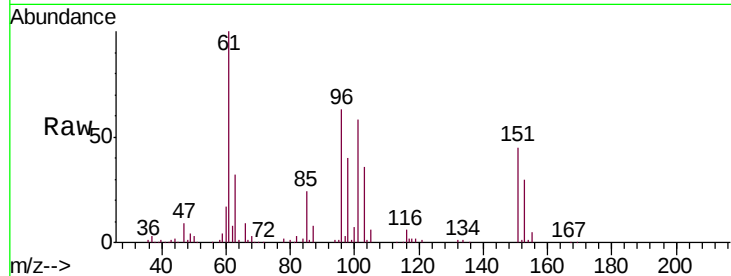
Tgt Ion:101 Resp: 74090

Ion Ratio Lower Upper

101 100

85 41.9 34.2 51.2

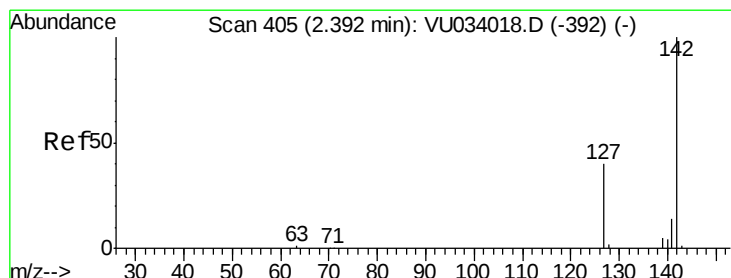
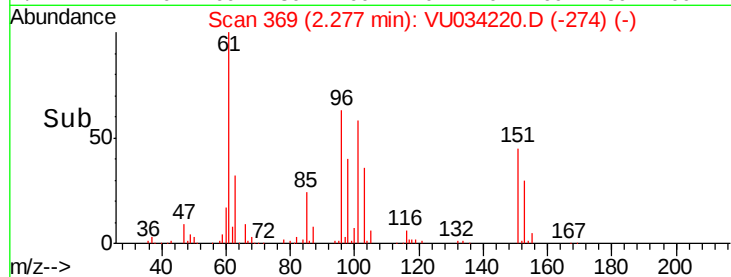
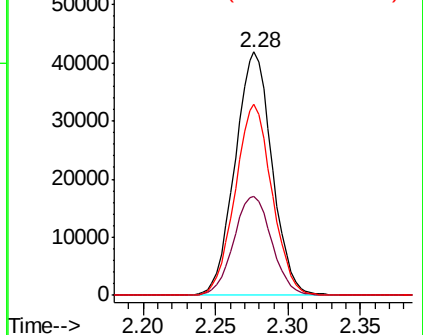
151 78.3 61.4 92.2



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: 10.996 ug/l

RT: 2.40 min Scan# 407

Delta R.T. 0.01 min

Lab File: VU034220.D

Acq: 03 Sep 2019 12:18

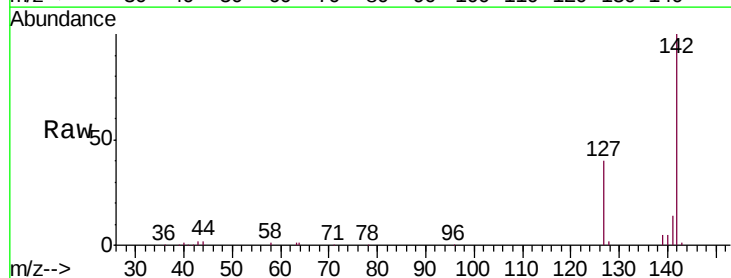
Tgt Ion:142 Resp: 58819

Ion Ratio Lower Upper

142 100

127 40.5 32.6 48.8

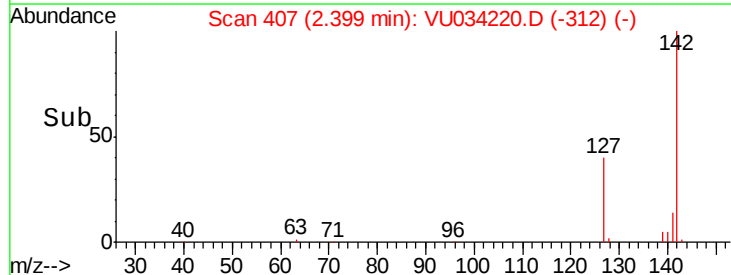
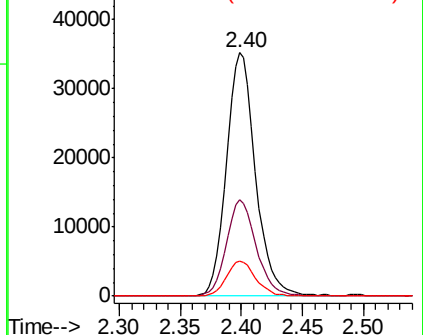
141 14.3 11.3 16.9

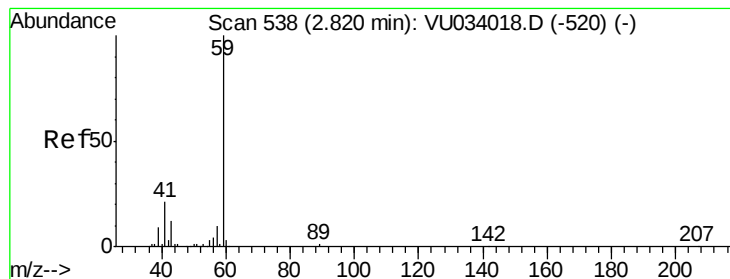


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



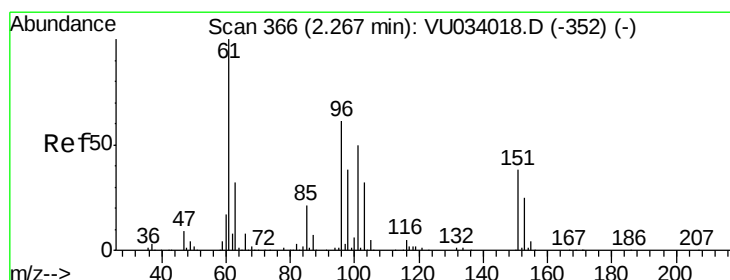
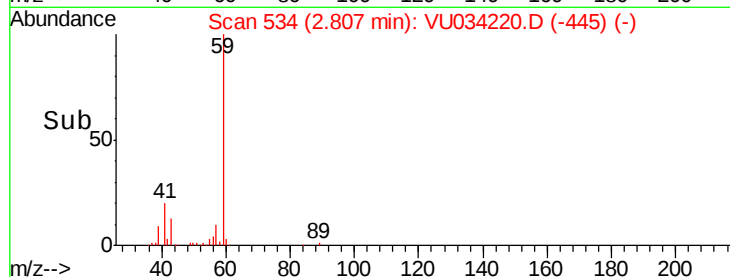
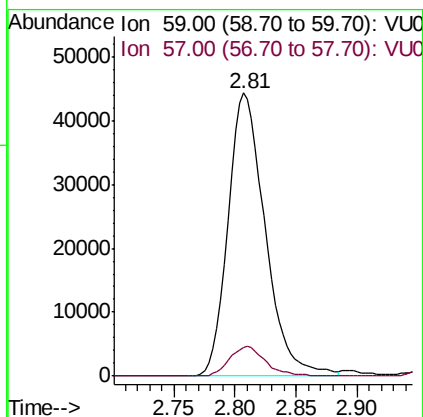
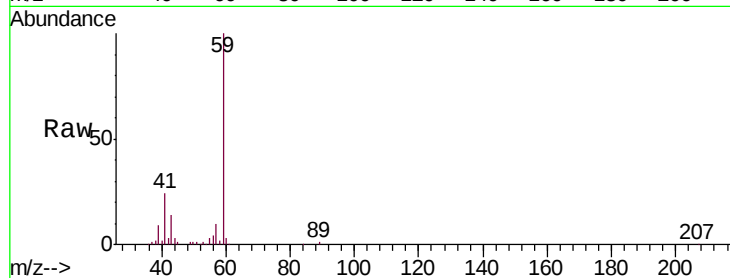


#11

Tert butyl alcohol
 Concen: 82.944 ug/l
 RT: 2.81 min Scan# 534
 Delta R.T. -0.01 min
 Lab File: VU034220.D
 Acq: 03 Sep 2019 12:18

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0904MBS01

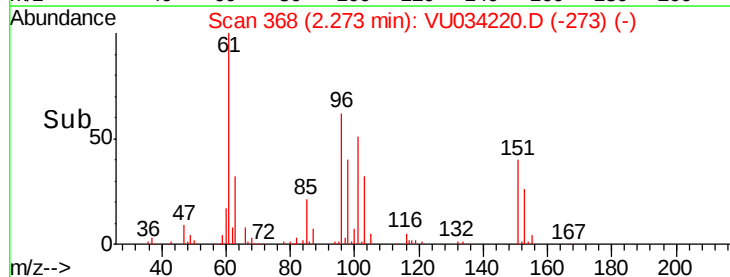
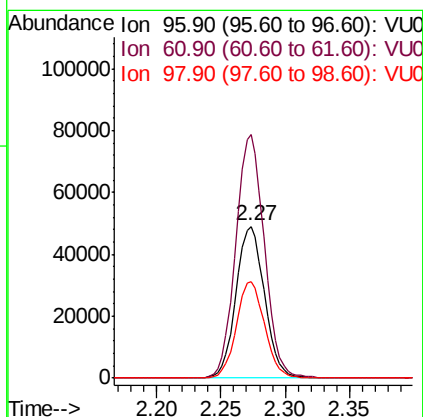
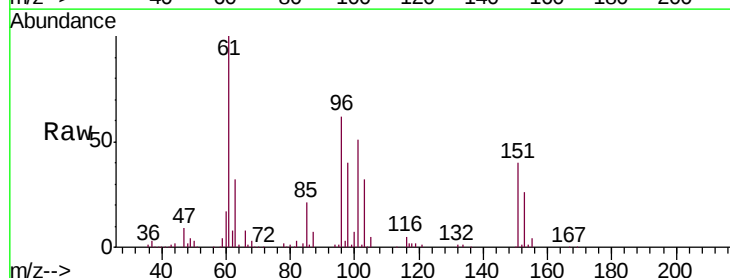
Tgt Ion: 59 Resp: 94062
 Ion Ratio Lower Upper
 59 100
 57 10.3 8.0 12.0

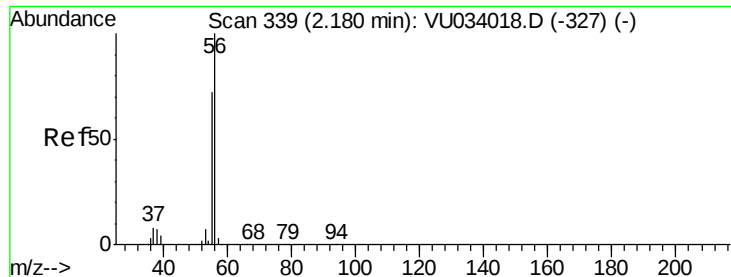


#12

1,1-Dichloroethene
 Concen: 19.672 ug/l
 RT: 2.27 min Scan# 368
 Delta R.T. 0.01 min
 Lab File: VU034220.D
 Acq: 03 Sep 2019 12:18

Tgt Ion: 96 Resp: 75582
 Ion Ratio Lower Upper
 96 100
 61 160.1 131.3 196.9
 98 63.6 50.3 75.5





#13

Acrolein

Concen: 47.047 ug/l

RT: 2.18 min Scan# 340

Delta R.T. 0.00 min

Lab File: VU034220.D

Acq: 03 Sep 2019 12:18

Instrument :

MSVOA_U

ClientSampleId :

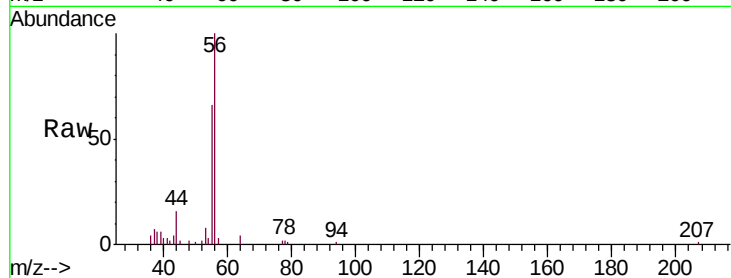
VU0904MBS01

Tgt Ion: 56 Resp: 22444

Ion Ratio Lower Upper

56 100

55 70.9 57.1 85.7



Abundance Ion 56.00 (55.70 to 56.70): VU0

Ion 55.00 (54.70 to 55.70): VU0

15000

10000

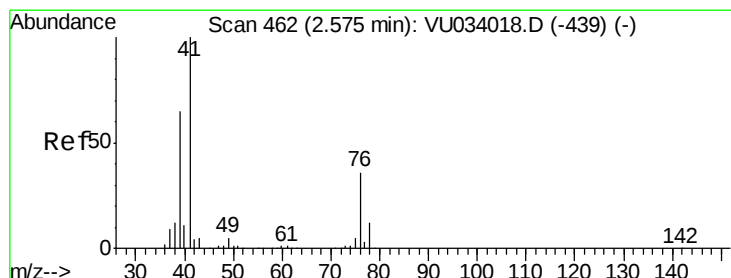
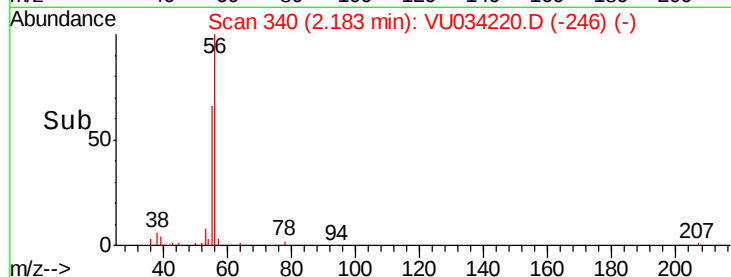
5000

0

2.18

2.10 2.15 2.20 2.25 2.30

Time-->



#14

Allyl chloride

Concen: 17.035 ug/l

RT: 2.58 min Scan# 463

Delta R.T. 0.00 min

Lab File: VU034220.D

Acq: 03 Sep 2019 12:18

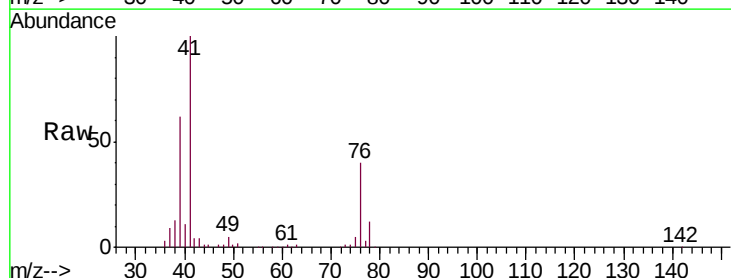
Tgt Ion: 41 Resp: 123057

Ion Ratio Lower Upper

41 100

39 62.6 46.8 70.2

76 37.2 26.6 40.0



Abundance Ion 41.00 (40.70 to 41.70): VU0

Ion 39.00 (38.70 to 39.70): VU0

Ion 75.90 (75.60 to 76.60): VU0

80000

60000

40000

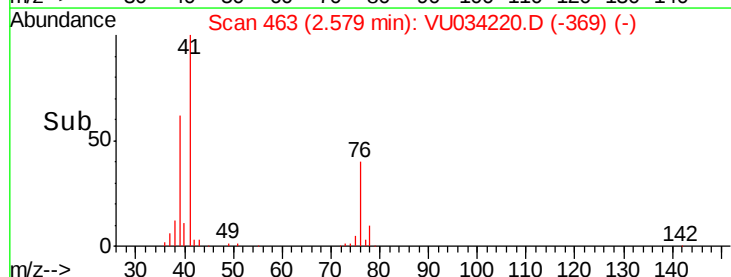
20000

0

2.58

2.55 2.60 2.65

Time-->





#15

Acrylonitrile

Concen: 99.796 ug/l

RT: 2.92 min Scan# 569

Delta R.T. 0.00 min

Lab File: VU034220.D

Acq: 03 Sep 2019 12:18

Instrument :

MSVOA_U

ClientSampleId :

VU0904MBS01

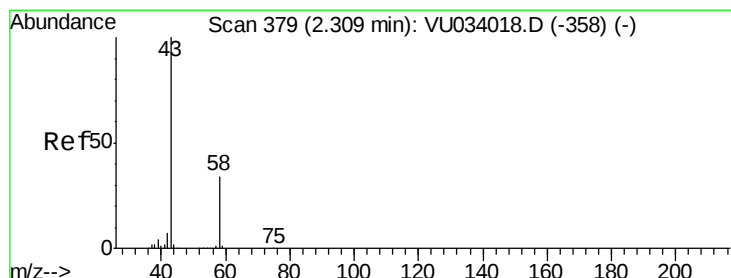
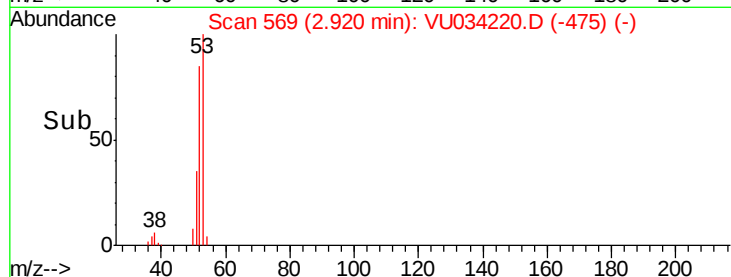
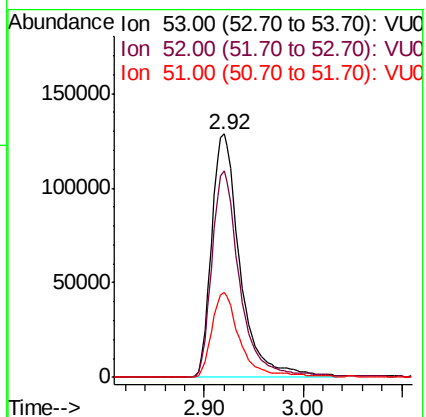
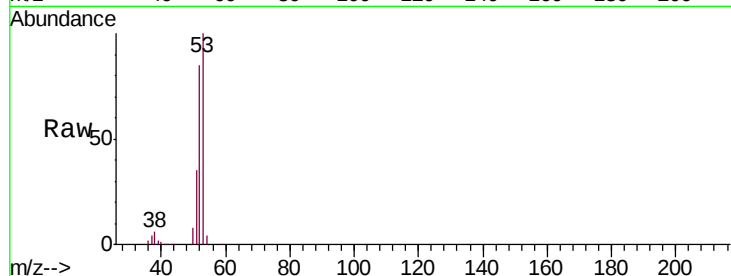
Tgt Ion: 53 Resp: 259695

Ion Ratio Lower Upper

53 100

52 83.7 65.7 98.5

51 34.8 27.9 41.9



#16

Acetone

Concen: 90.525 ug/l

RT: 2.31 min Scan# 379

Delta R.T. 0.00 min

Lab File: VU034220.D

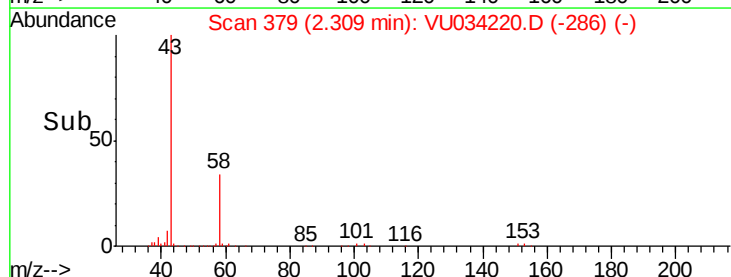
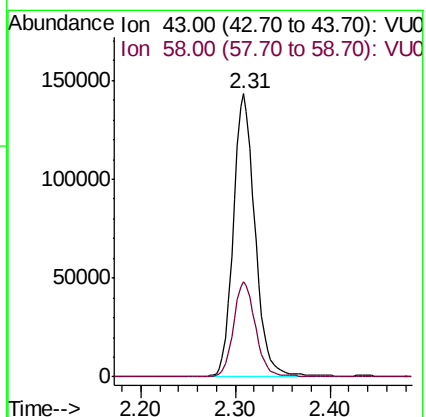
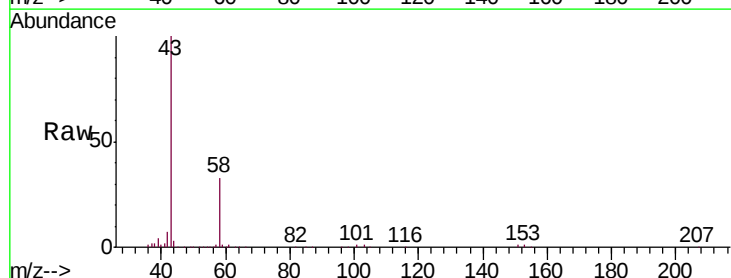
Acq: 03 Sep 2019 12:18

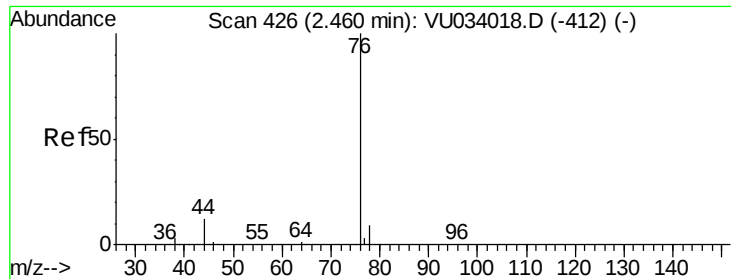
Tgt Ion: 43 Resp: 227146

Ion Ratio Lower Upper

43 100

58 33.5 26.8 40.2

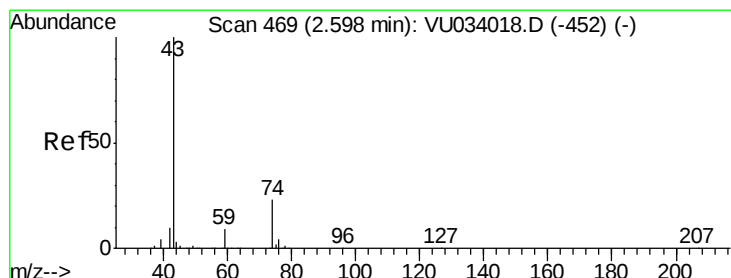
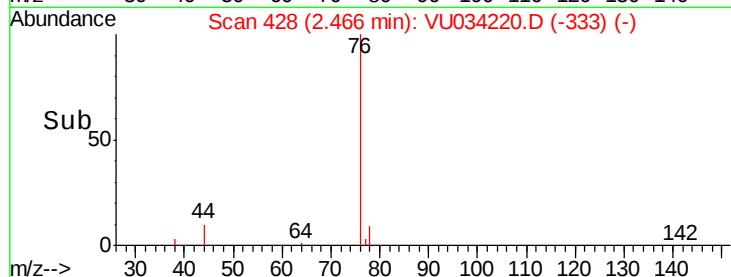
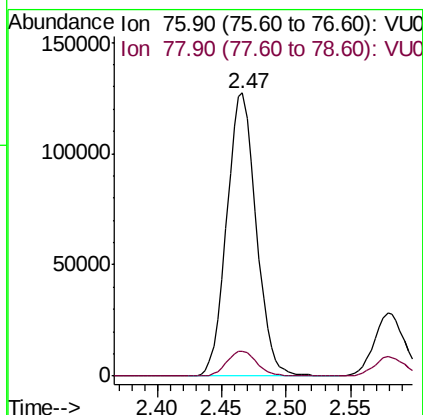
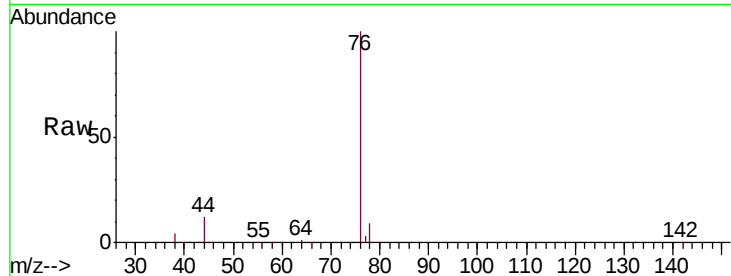




#17
Carbon Disulfide
Concen: 16.617 ug/l
RT: 2.47 min Scan# 428
Delta R.T. 0.01 min
Lab File: VU034220.D
Acq: 03 Sep 2019 12:18

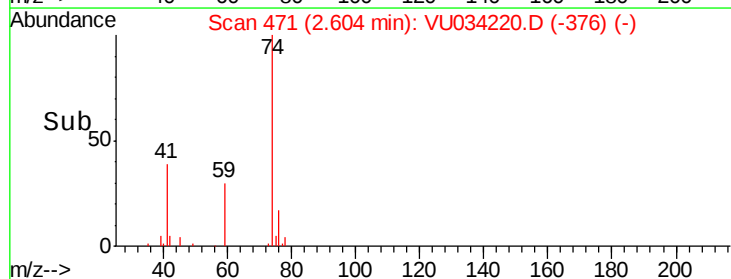
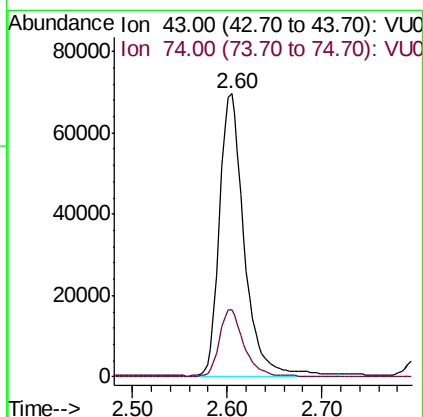
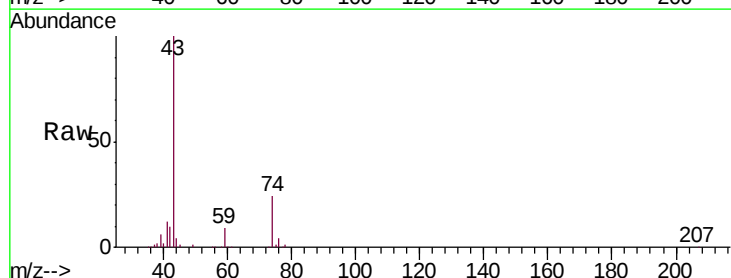
Instrument :
MSVOA_U
ClientSampleId :
VU0904MBS01

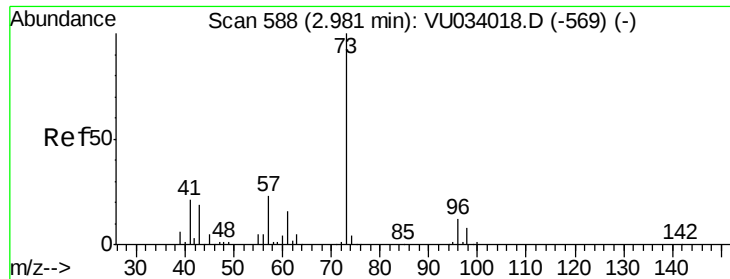
Tgt Ion: 76 Resp: 202070
Ion Ratio Lower Upper
76 100
78 8.8 7.1 10.7



#18
Methyl Acetate
Concen: 19.450 ug/l
RT: 2.60 min Scan# 471
Delta R.T. 0.01 min
Lab File: VU034220.D
Acq: 03 Sep 2019 12:18

Tgt Ion: 43 Resp: 126121
Ion Ratio Lower Upper
43 100
74 23.7 19.2 28.8

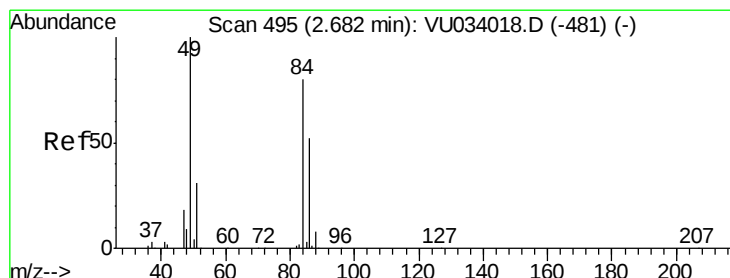
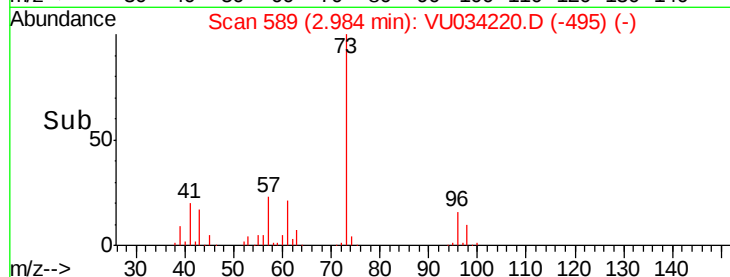
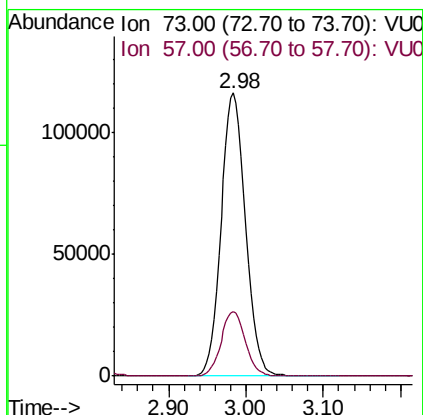
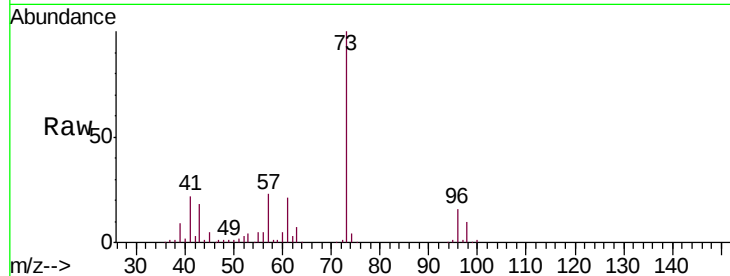




#19
Methyl tert-butyl Ether
Concen: 20.274 ug/l
RT: 2.98 min Scan# 589
Delta R.T. 0.00 min
Lab File: VU034220.D
Acq: 03 Sep 2019 12:18

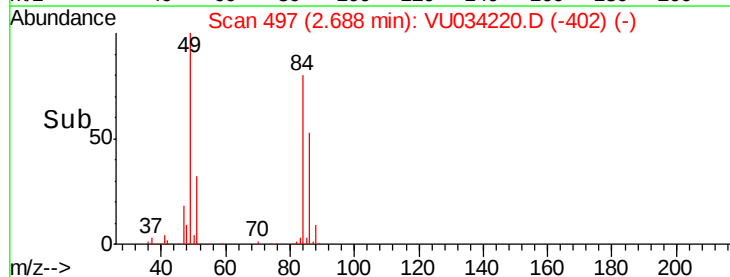
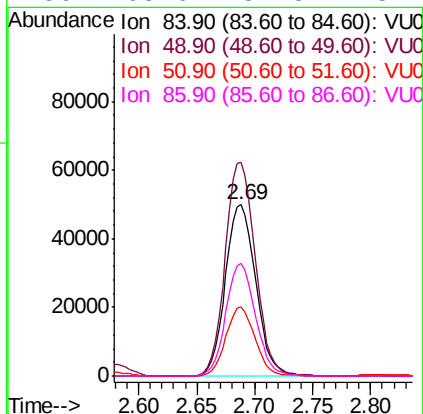
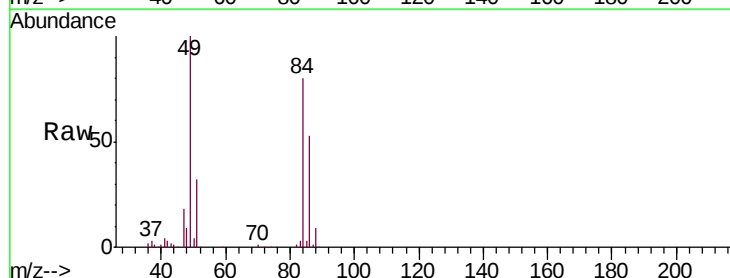
Instrument :
MSVOA_U
ClientSampleId :
VU0904MBS01

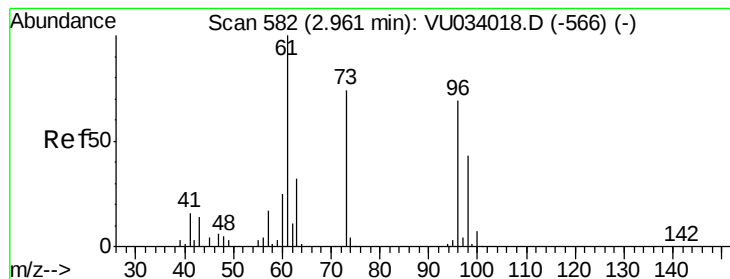
Tgt Ion: 73 Resp: 255219
Ion Ratio Lower Upper
73 100
57 23.0 18.3 27.5



#20
Methylene Chloride
Concen: 19.147 ug/l
RT: 2.69 min Scan# 497
Delta R.T. 0.01 min
Lab File: VU034220.D
Acq: 03 Sep 2019 12:18

Tgt Ion: 84 Resp: 90951
Ion Ratio Lower Upper
84 100
49 124.8 100.2 150.4
51 40.5 30.8 46.2
86 65.6 52.5 78.7





#21

trans-1,2-Dichloroethene

Concen: 19.227 ug/l

RT: 2.97 min Scan# 584

Delta R.T. 0.01 min

Lab File: VU034220.D

Acq: 03 Sep 2019 12:18

Instrument :

MSVOA_U

ClientSampleId :

VU0904MBS01

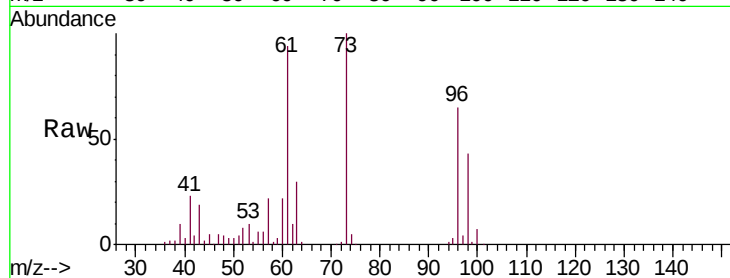
Tgt Ion: 96 Resp: 80175

Ion Ratio Lower Upper

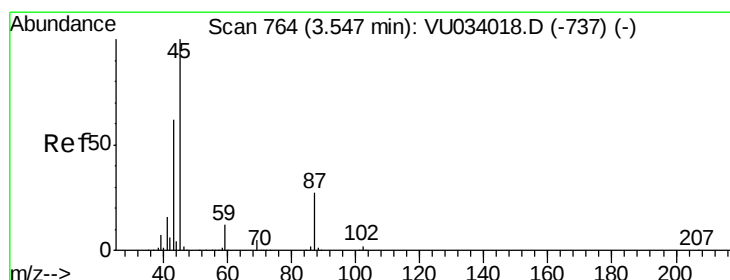
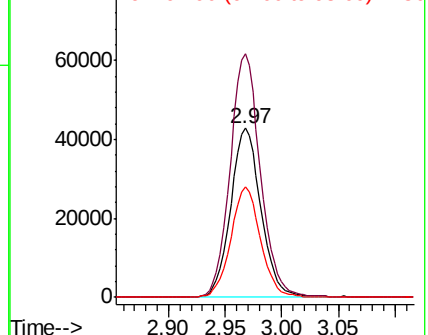
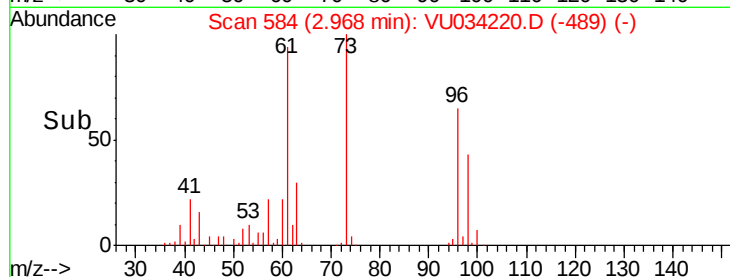
96 100

61 143.9 115.5 173.3

98 65.2 50.1 75.1



Abundance Ion 95.90 (95.60 to 96.60): VU034220.D (-489) (-)



#22

Diisopropyl ether

Concen: 20.478 ug/l

RT: 3.55 min Scan# 765

Delta R.T. 0.00 min

Lab File: VU034220.D

Acq: 03 Sep 2019 12:18

Tgt Ion: 45 Resp: 271065

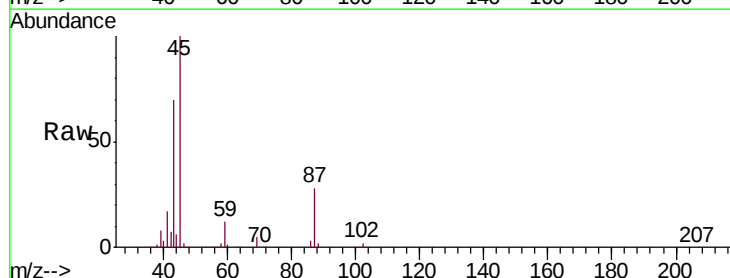
Ion Ratio Lower Upper

45 100

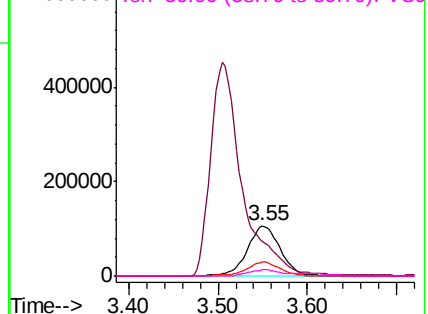
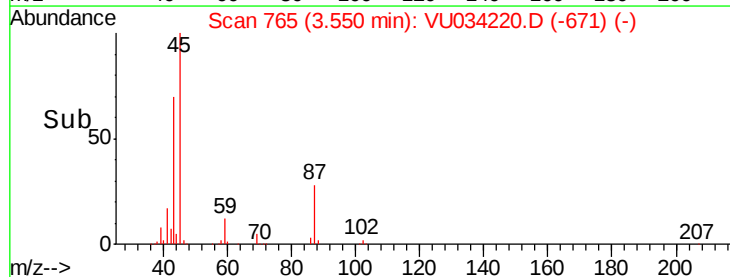
43 69.0 49.7 74.5

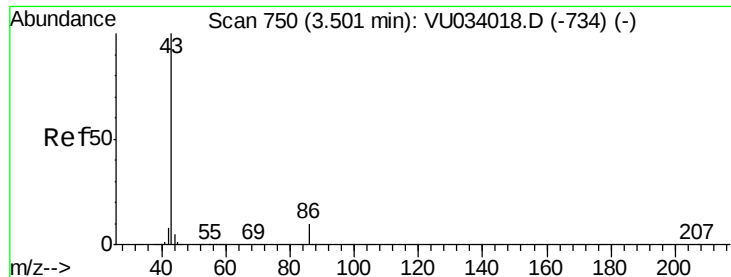
87 28.0 21.8 32.8

59 11.7 9.3 13.9



Abundance Ion 45.00 (44.70 to 45.70): VU034220.D (-671) (-)





#23

Vinyl Acetate

Concen: 98.442 ug/l

RT: 3.50 min Scan# 751

Delta R.T. 0.00 min

Lab File: VU034220.D

Acq: 03 Sep 2019 12:18

Instrument :

MSVOA_U

ClientSampleId :

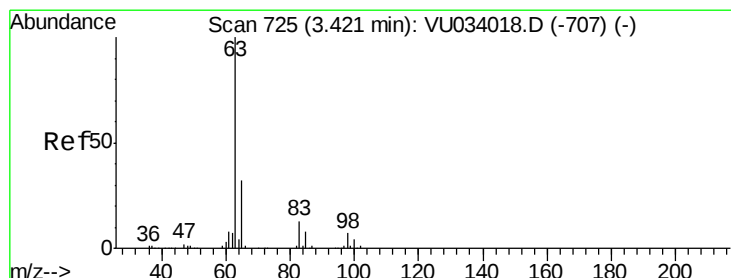
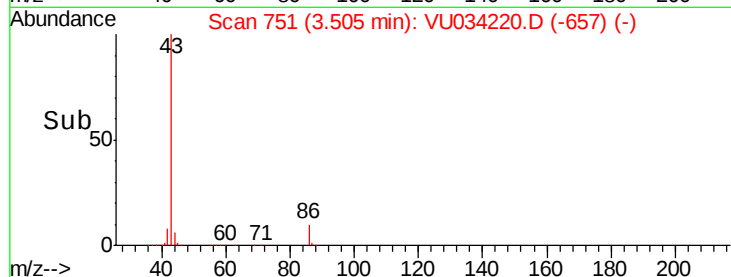
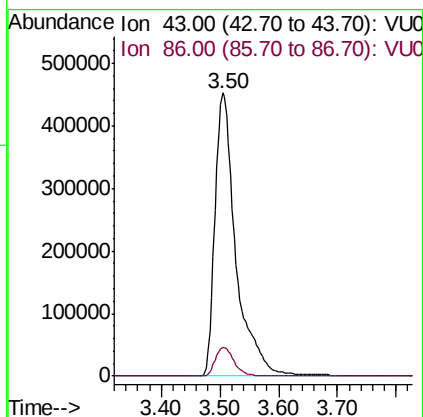
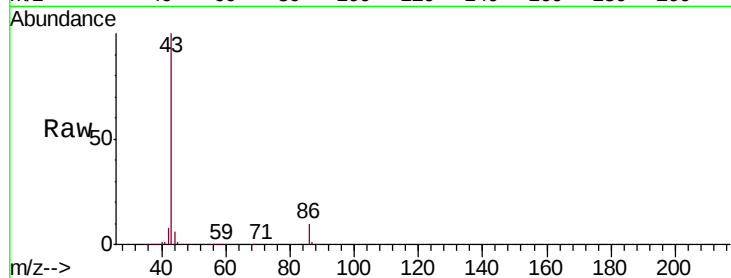
VU0904MBS01

Tgt Ion: 43 Resp: 1119392

Ion Ratio Lower Upper

43 100

86 10.3 8.3 12.5



#24

1,1-Dichloroethane

Concen: 20.296 ug/l

RT: 3.43 min Scan# 727

Delta R.T. 0.01 min

Lab File: VU034220.D

Acq: 03 Sep 2019 12:18

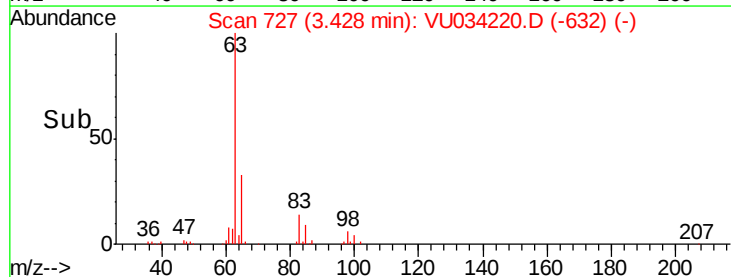
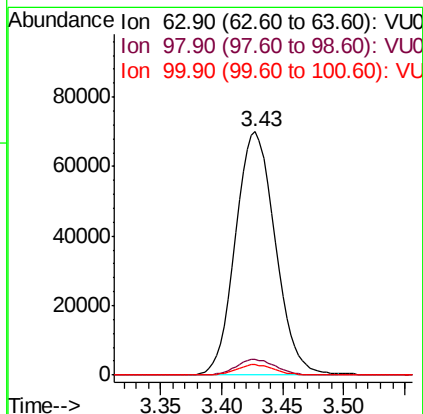
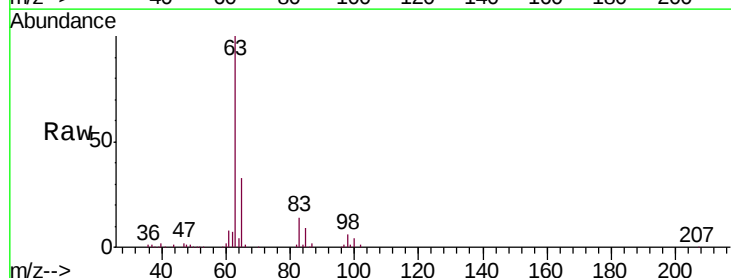
Tgt Ion: 63 Resp: 158617

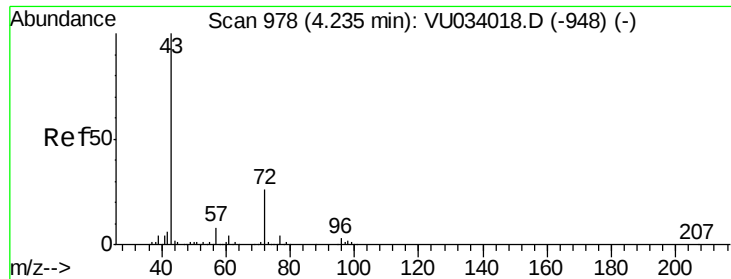
Ion Ratio Lower Upper

63 100

98 6.5 3.3 9.8

100 4.3 2.0 6.0





#25

2-Butanone

Concen: 98.309 ug/l

RT: 4.24 min Scan# 979

Delta R.T. 0.00 min

Lab File: VU034220.D

Acq: 03 Sep 2019 12:18

Instrument :

MSVOA_U

ClientSampleId :

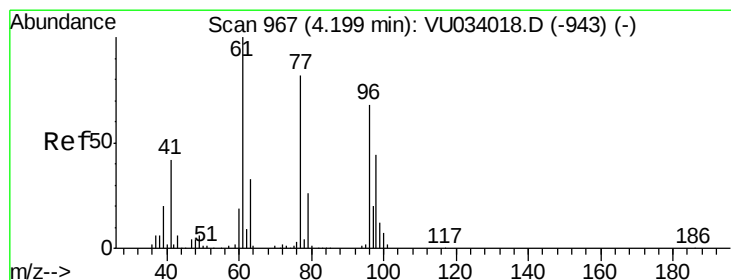
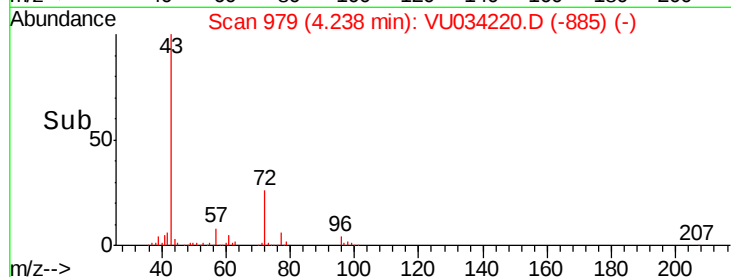
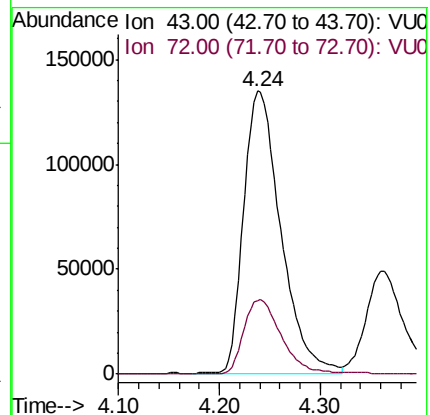
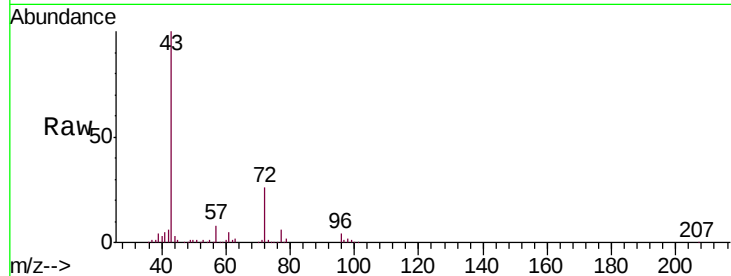
VU0904MBS01

Tgt Ion: 43 Resp: 343193

Ion Ratio Lower Upper

43 100

72 26.1 21.2 31.8



#26

2,2-Dichloropropane

Concen: 19.190 ug/l

RT: 4.20 min Scan# 968

Delta R.T. 0.00 min

Lab File: VU034220.D

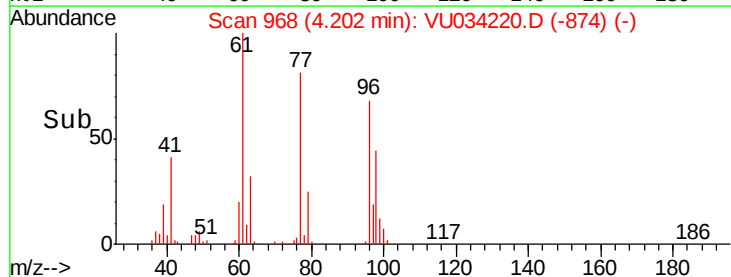
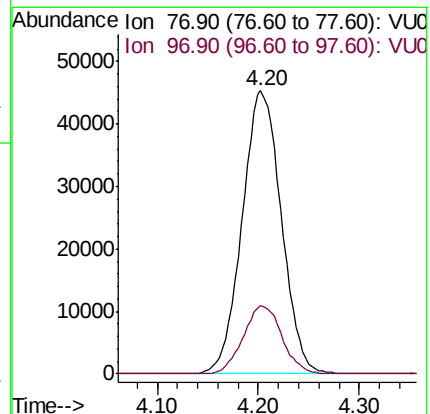
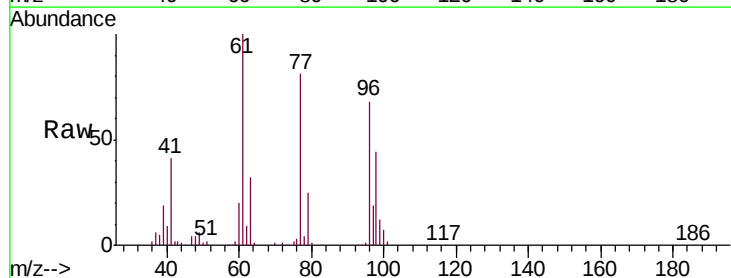
Acq: 03 Sep 2019 12:18

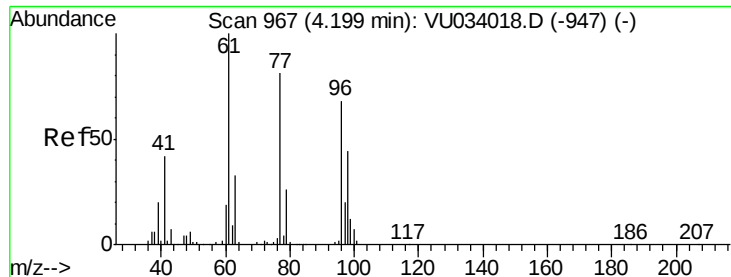
Tgt Ion: 77 Resp: 122029

Ion Ratio Lower Upper

77 100

97 23.8 11.6 34.7



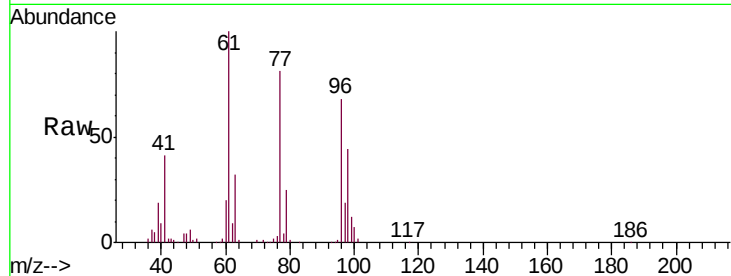


#27

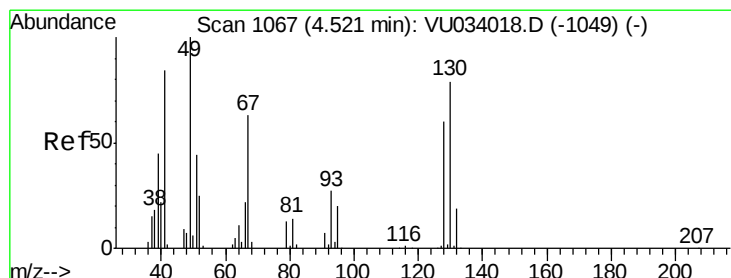
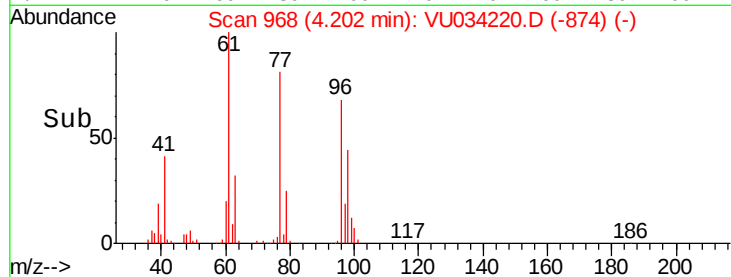
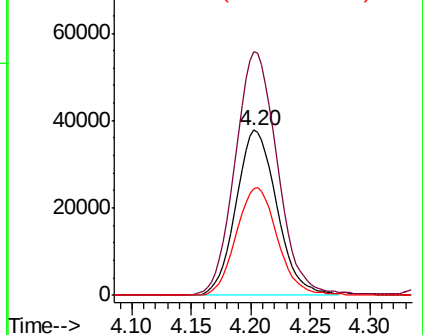
cis-1,2-Dichloroethene
 Concen: 19.265 ug/l
 RT: 4.20 min Scan# 968
 Delta R.T. 0.00 min
 Lab File: VU034220.D
 Acq: 03 Sep 2019 12:18

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0904MBS01

Tgt Ion: 96 Resp: 90167
 Ion Ratio Lower Upper
 96 100
 61 153.1 0.0 303.0
 98 66.1 0.0 129.2



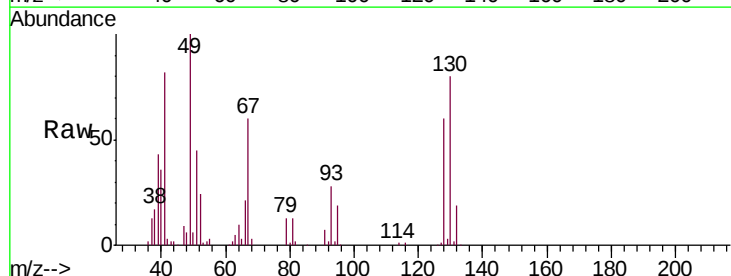
Abundance Ion 95.90 (95.60 to 96.60): VU0
 Ion 60.90 (60.60 to 61.60): VU0
 Ion 97.90 (97.60 to 98.60): VU0



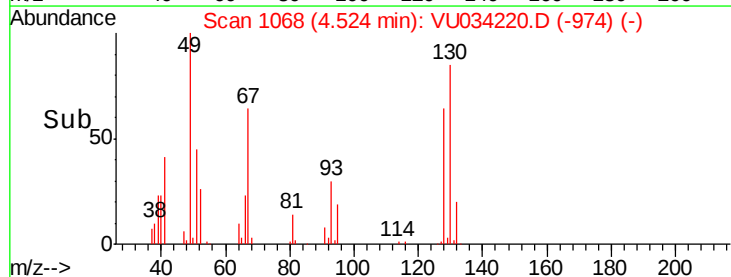
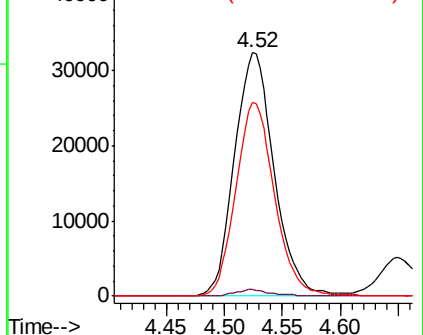
#28

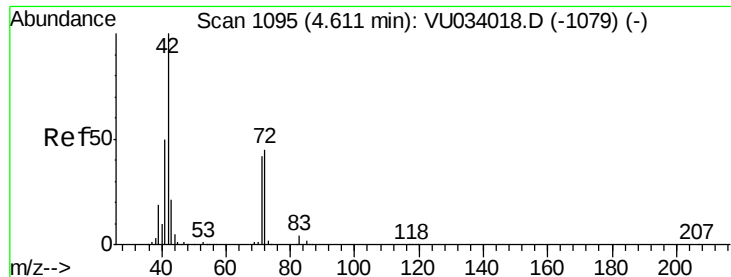
Bromochloromethane
 Concen: 19.945 ug/l
 RT: 4.52 min Scan# 1068
 Delta R.T. 0.00 min
 Lab File: VU034220.D
 Acq: 03 Sep 2019 12:18

Tgt Ion: 49 Resp: 76793
 Ion Ratio Lower Upper
 49 100
 129 2.2 0.0 3.6
 130 77.8 62.8 94.2



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

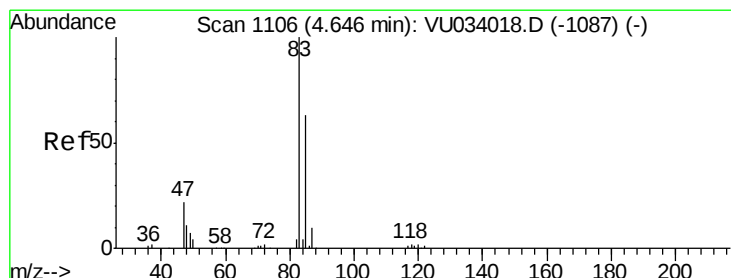
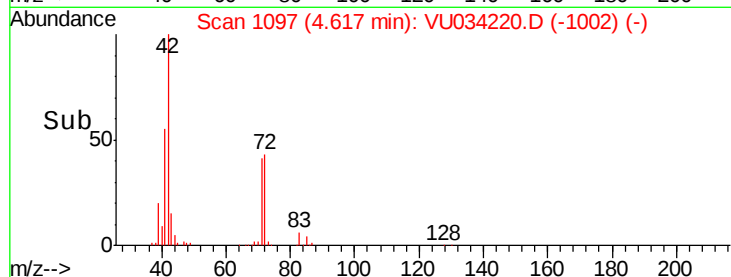
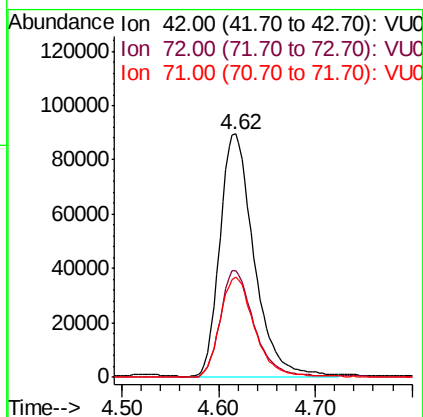
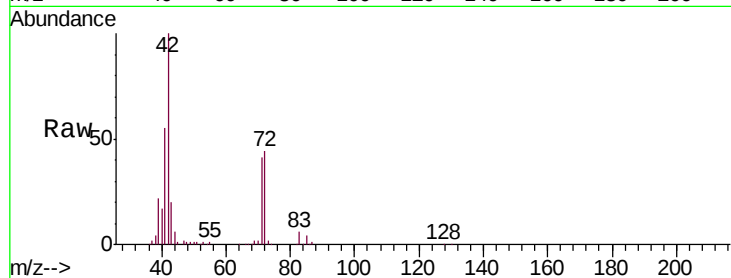




#29
Tetrahydrofuran
Concen: 101.298 ug/l
RT: 4.62 min Scan# 1097
Delta R.T. 0.01 min
Lab File: VU034220.D
Acq: 03 Sep 2019 12:18

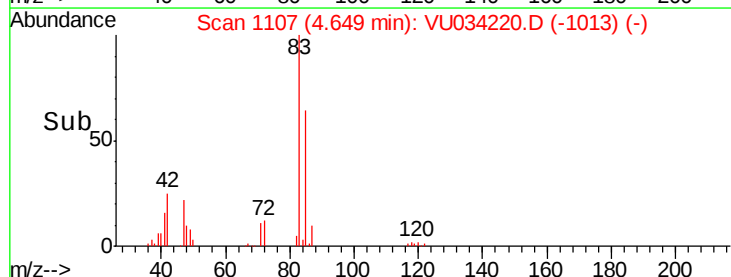
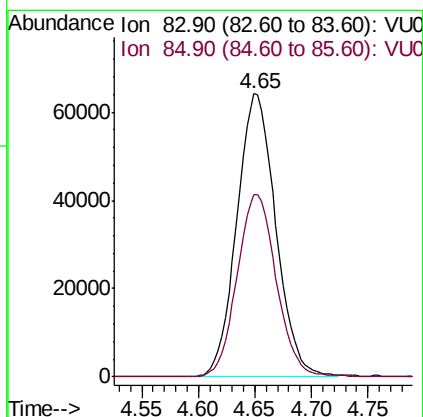
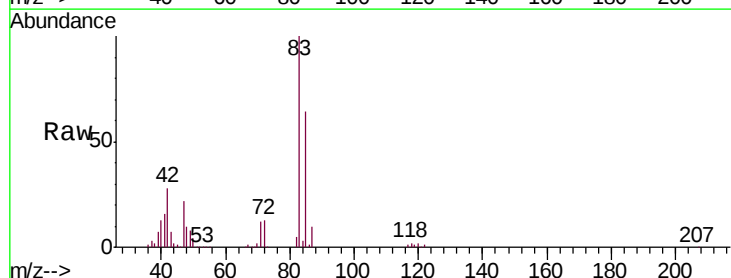
Instrument :
MSVOA_U
ClientSampleId :
VU0904MBS01

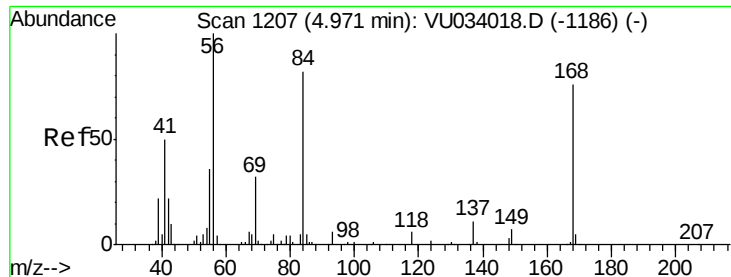
Tgt Ion: 42 Resp: 218082
Ion Ratio Lower Upper
42 100
72 44.3 35.8 53.6
71 41.8 34.0 51.0



#30
Chloroform
Concen: 19.743 ug/l
RT: 4.65 min Scan# 1107
Delta R.T. 0.00 min
Lab File: VU034220.D
Acq: 03 Sep 2019 12:18

Tgt Ion: 83 Resp: 153942
Ion Ratio Lower Upper
83 100
85 64.4 50.7 76.1

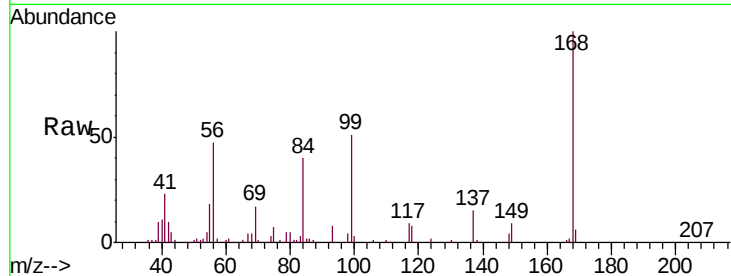




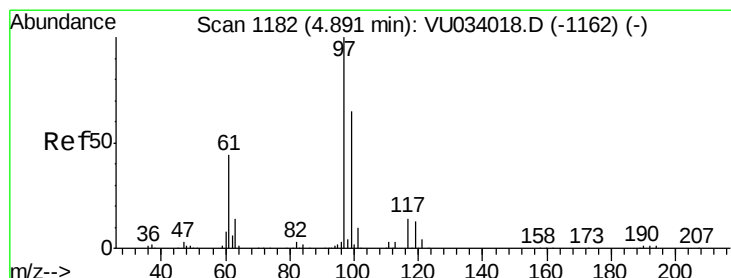
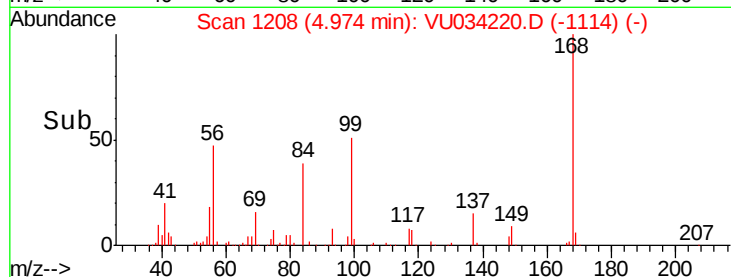
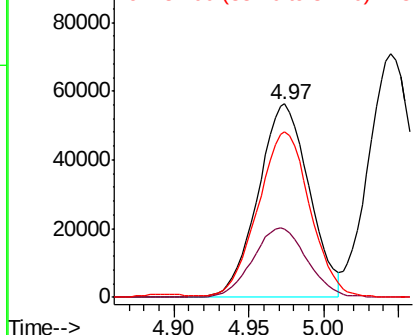
#31
Cyclohexane
Concen: 18.163 ug/l
RT: 4.97 min Scan# 1208
Delta R.T. 0.00 min
Lab File: VU034220.D
Acq: 03 Sep 2019 12:18

Instrument :
MSVOA_U
ClientSampleId :
VU0904MBS01

Tgt Ion: 56 Resp: 133381
Ion Ratio Lower Upper
56 100
69 35.2 25.4 38.0
84 84.8 65.8 98.8

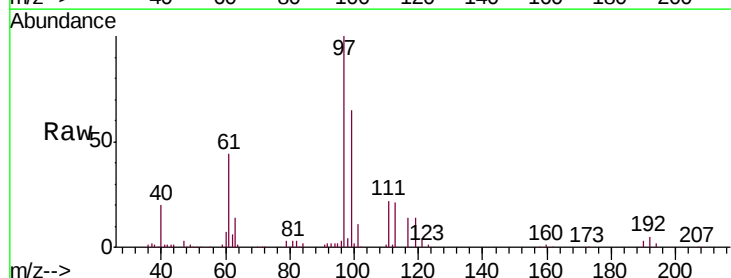


Abundance Ion 56.00 (55.70 to 56.70): VU0
Ion 69.00 (68.70 to 69.70): VU0
Ion 84.00 (83.70 to 84.70): VU0

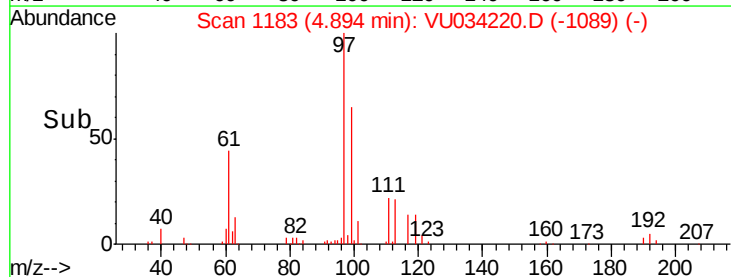
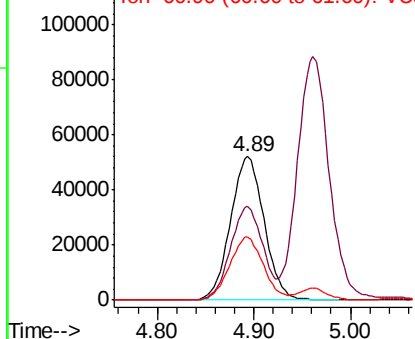


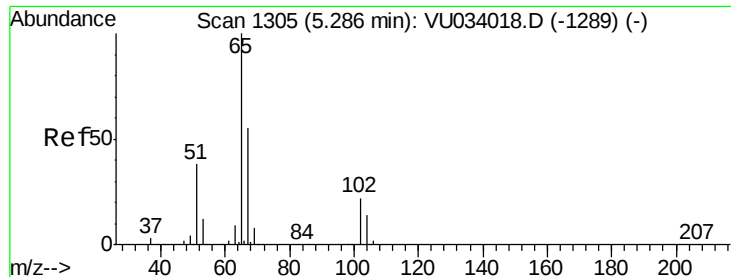
#32
1,1,1-Trichloroethane
Concen: 19.704 ug/l
RT: 4.89 min Scan# 1183
Delta R.T. 0.00 min
Lab File: VU034220.D
Acq: 03 Sep 2019 12:18

Tgt Ion: 97 Resp: 125827
Ion Ratio Lower Upper
97 100
99 62.8 51.8 77.6
61 44.1 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: 47.913 ug/l

RT: 5.29 min Scan# 1306

Delta R.T. 0.00 min

Lab File: VU034220.D

Acq: 03 Sep 2019 12:18

Instrument :

MSVOA_U

ClientSampleId :

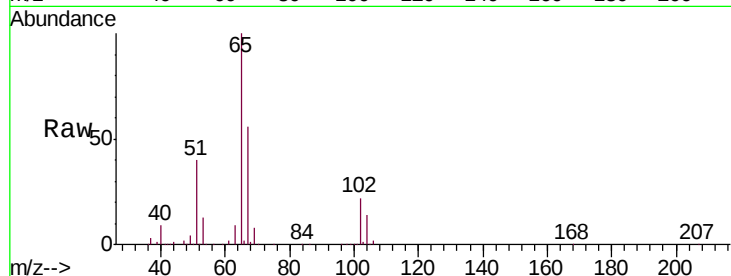
VU0904MBS01

Tgt Ion: 65 Resp: 235621

Ion Ratio Lower Upper

65 100

67 55.6 0.0 110.6



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

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

5.29

120000

100000

80000

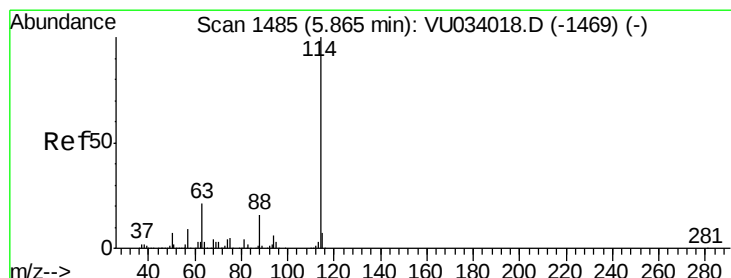
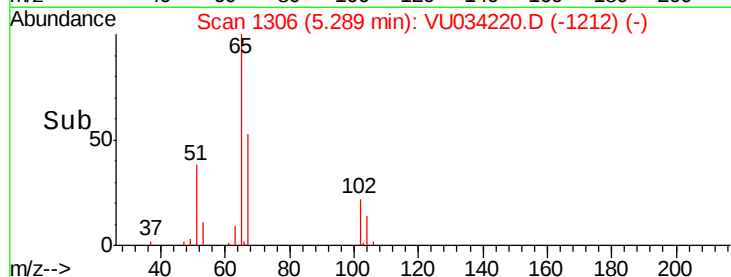
60000

40000

20000

0

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.86 min Scan# 1485

Delta R.T. 0.00 min

Lab File: VU034220.D

Acq: 03 Sep 2019 12:18

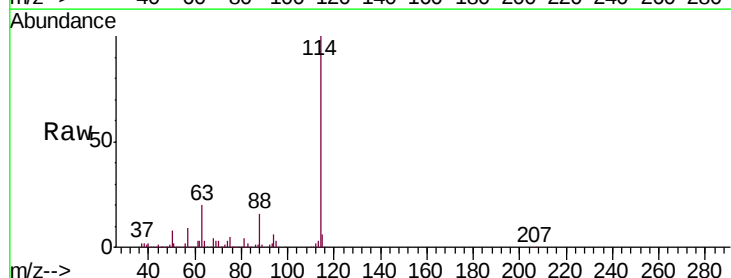
Tgt Ion: 114 Resp: 604501

Ion Ratio Lower Upper

114 100

63 20.4 0.0 42.0

88 15.5 0.0 32.0



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

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

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

5.86

400000

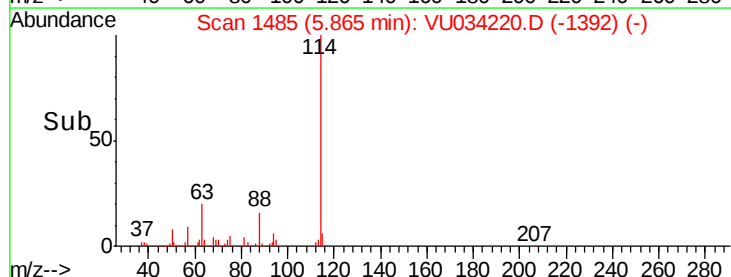
300000

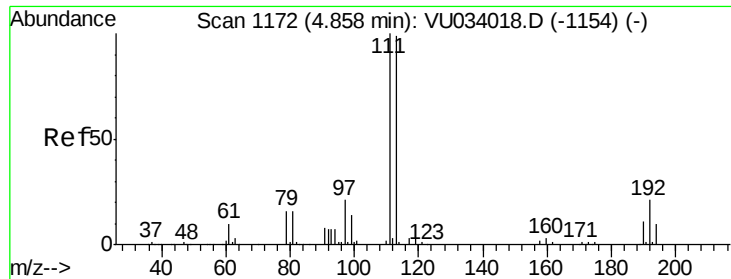
200000

100000

0

Time-->

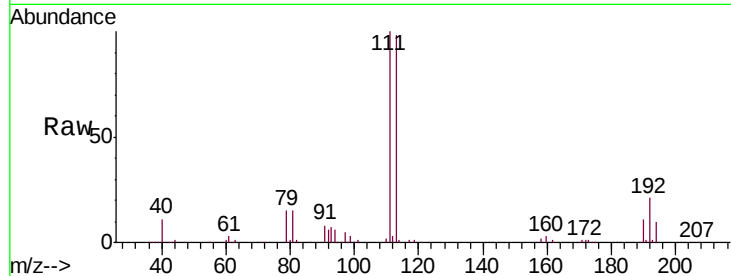




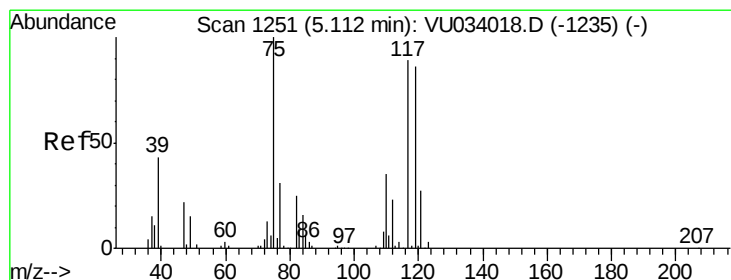
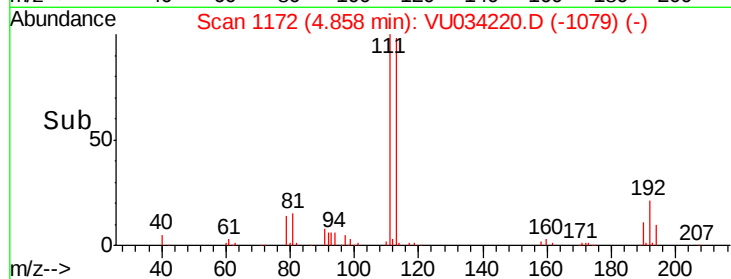
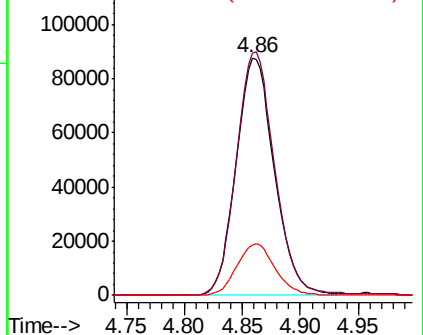
#35
 Dibromofluoromethane
 Concen: 48.109 ug/l
 RT: 4.86 min Scan# 1172
 Delta R.T. 0.00 min
 Lab File: VU034220.D
 Acq: 03 Sep 2019 12:18

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0904MBS01

Tgt Ion	Ratio	Lower	Upper
113	100		
111	102.5	81.7	122.5
192	21.7	17.1	25.7

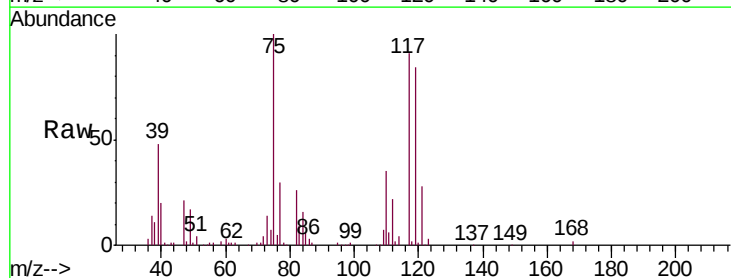


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

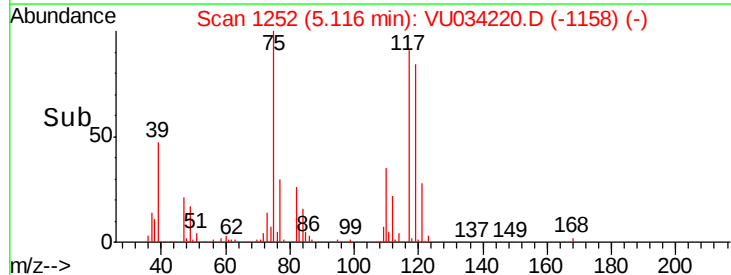
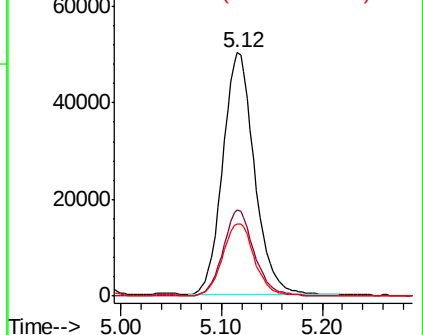


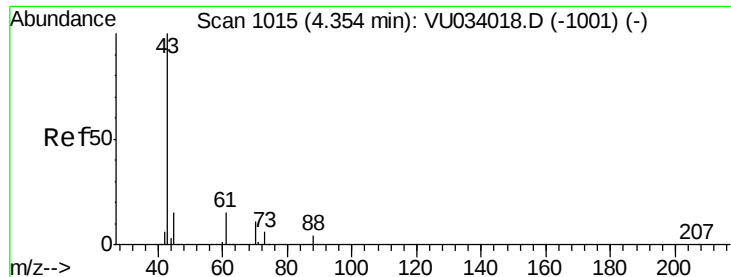
#36
 1,1-Dichloropropene
 Concen: 19.233 ug/l
 RT: 5.12 min Scan# 1252
 Delta R.T. 0.00 min
 Lab File: VU034220.D
 Acq: 03 Sep 2019 12:18

Tgt Ion	Ratio	Lower	Upper
75	100		
110	35.0	17.8	53.5
77	30.4	25.0	37.4



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

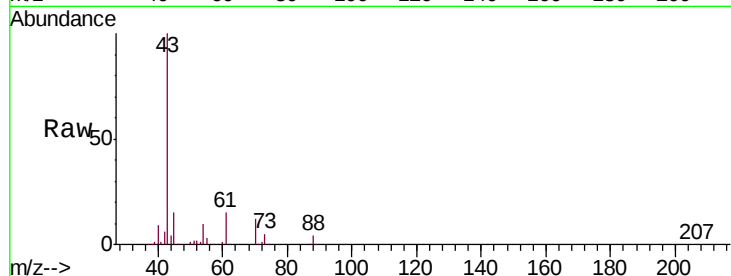




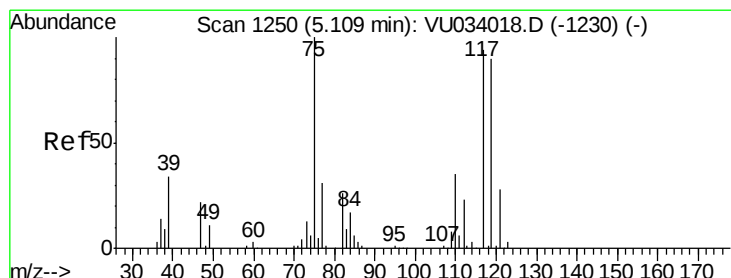
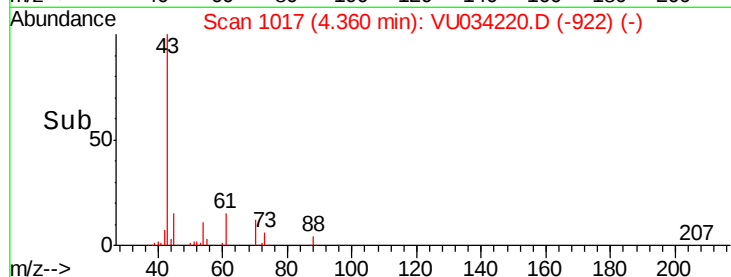
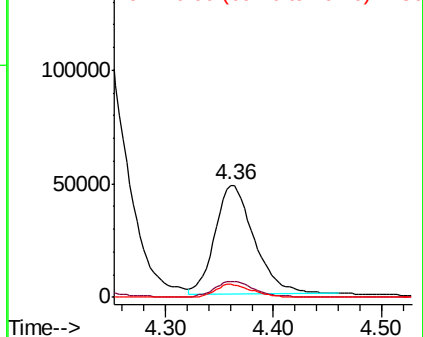
#37
Ethyl Acetate
Concen: 19.153 ug/l
RT: 4.36 min Scan# 1017
Delta R.T. 0.01 min
Lab File: VU034220.D
Acq: 03 Sep 2019 12:18

Instrument :
MSVOA_U
ClientSampleId :
VU0904MBS01

Tgt Ion: 43 Resp: 122638
Ion Ratio Lower Upper
43 100
61 14.0 11.5 17.3
70 11.4 8.6 12.8

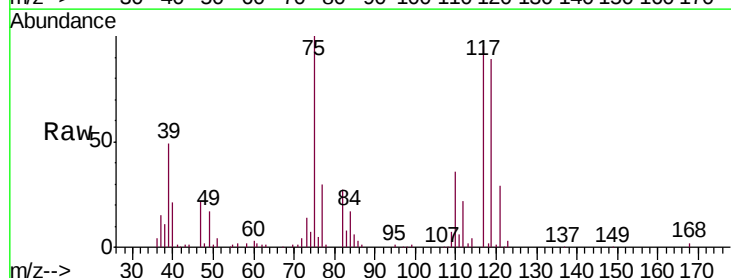


Abundance Ion 43.00 (42.70 to 43.70): VU0
Ion 60.90 (60.60 to 61.60): VU0
Ion 70.00 (69.70 to 70.70): VU0

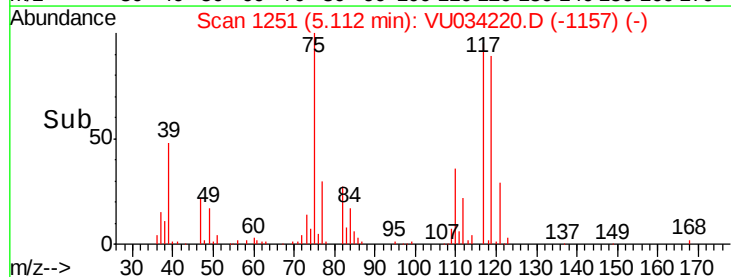
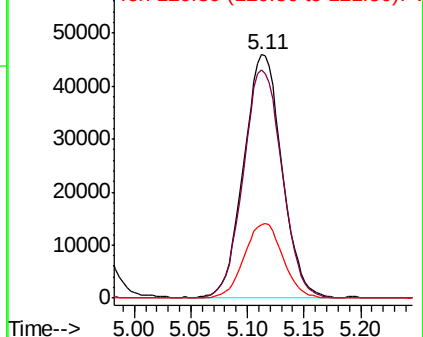


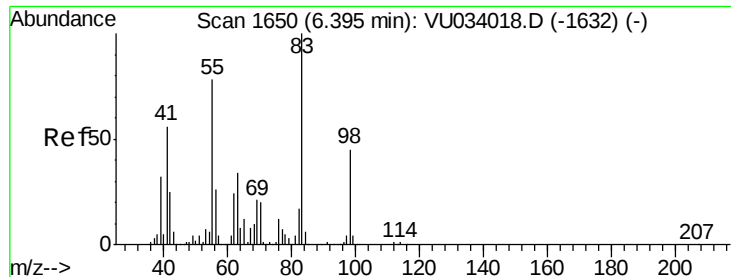
#38
Carbon Tetrachloride
Concen: 19.513 ug/l
RT: 5.11 min Scan# 1251
Delta R.T. 0.00 min
Lab File: VU034220.D
Acq: 03 Sep 2019 12:18

Tgt Ion: 117 Resp: 107693
Ion Ratio Lower Upper
117 100
119 94.2 77.0 115.4
121 30.2 23.9 35.9



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

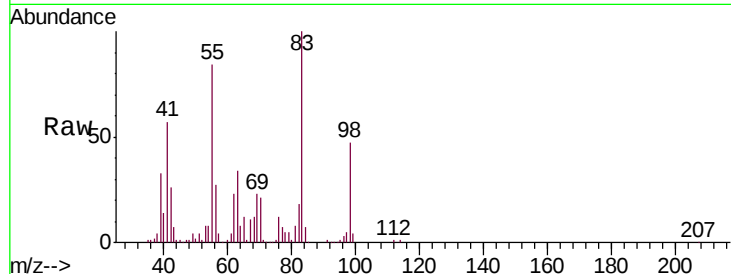




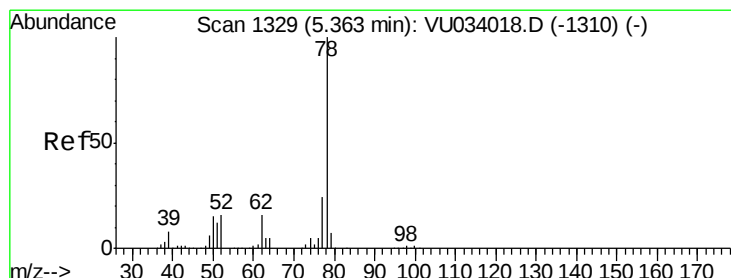
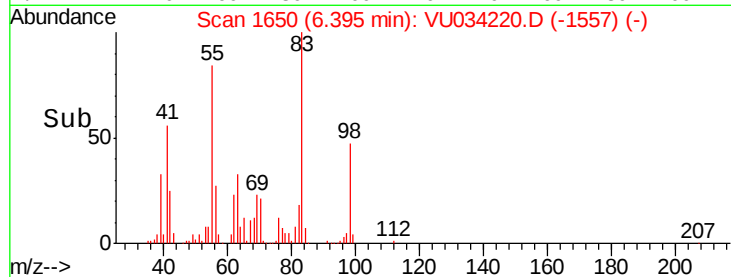
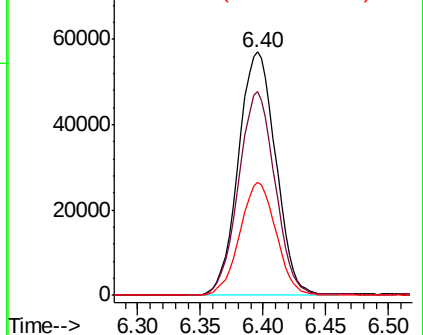
#39
Methylcyclohexane
Concen: 17.571 ug/l
RT: 6.40 min Scan# 1650
Delta R.T. 0.00 min
Lab File: VU034220.D
Acq: 03 Sep 2019 12:18

Instrument :
MSVOA_U
ClientSampleId :
VU0904MBS01

Tgt Ion: 83 Resp: 118414
Ion Ratio Lower Upper
83 100
55 83.7 62.3 93.5
98 46.6 36.2 54.2

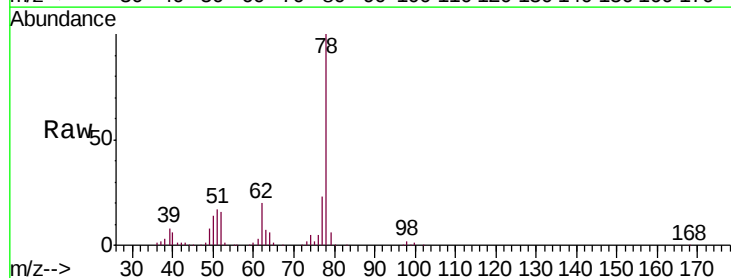


Abundance Ion 83.00 (82.70 to 83.70): VU0
Ion 55.00 (54.70 to 55.70): VU0
Ion 98.00 (97.70 to 98.70): VU0

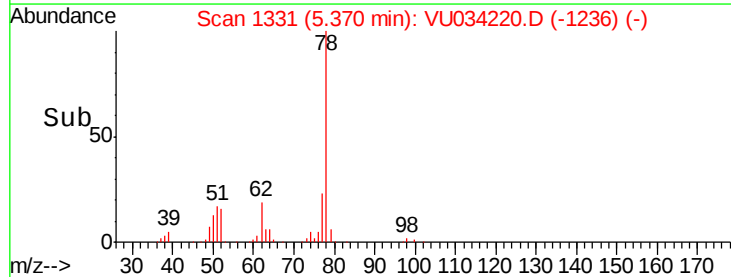
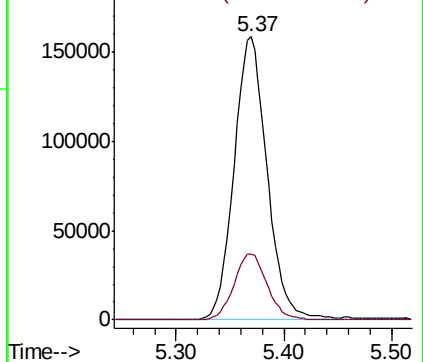


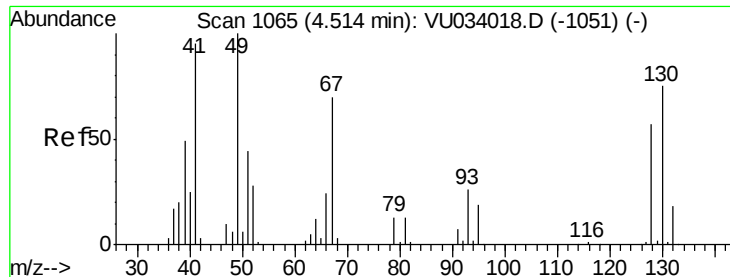
#40
Benzene
Concen: 19.580 ug/l
RT: 5.37 min Scan# 1331
Delta R.T. 0.01 min
Lab File: VU034220.D
Acq: 03 Sep 2019 12:18

Tgt Ion: 78 Resp: 338727
Ion Ratio Lower Upper
78 100
77 23.4 19.0 28.6



Abundance Ion 78.00 (77.70 to 78.70): VU0
Ion 77.00 (76.70 to 77.70): VU0





#41

Methacrylonitrile

Concen: 20.533 ug/l

RT: 4.52 min Scan# 1067

Delta R.T. 0.01 min

Lab File: VU034220.D

Acq: 03 Sep 2019 12:18

Instrument :

MSVOA_U

ClientSampleId :

VU0904MBS01

Tgt Ion: 41 Resp: 67426

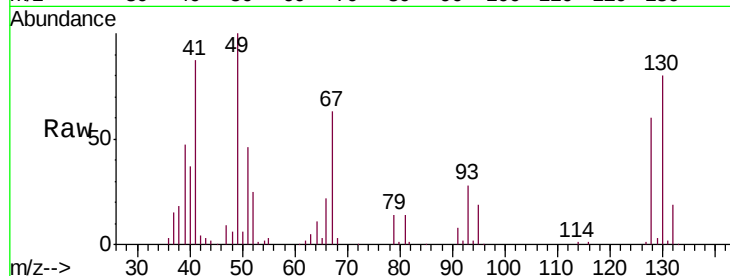
Ion Ratio Lower Upper

41 100

39 49.5 42.1 63.1

67 75.0 61.0 91.4

52 29.0 23.3 34.9

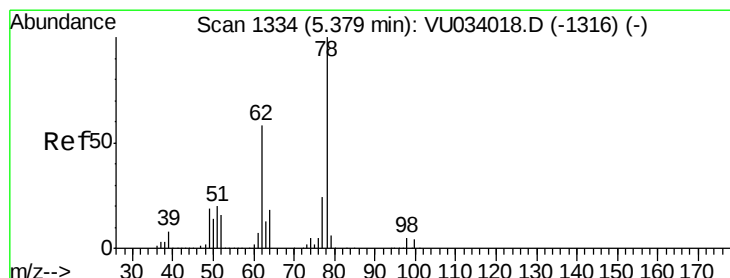
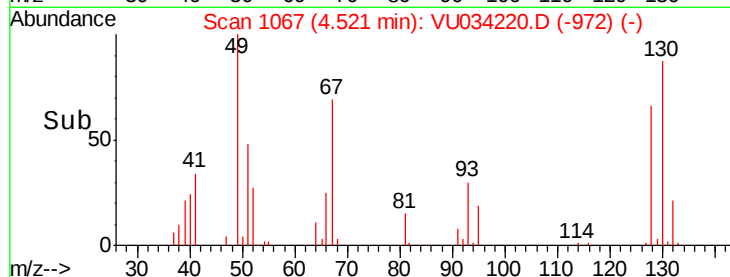
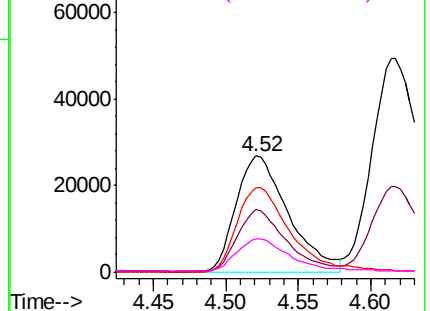


Abundance Ion 41.00 (40.70 to 41.70): VU034220.D (-972) (-)

Ion 39.00 (38.70 to 39.70): VU034220.D (-972) (-)

Ion 67.00 (66.70 to 67.70): VU034220.D (-972) (-)

Ion 52.00 (51.70 to 52.70): VU034220.D (-972) (-)



#42

1,2-Dichloroethane

Concen: 19.808 ug/l

RT: 5.38 min Scan# 1335

Delta R.T. 0.00 min

Lab File: VU034220.D

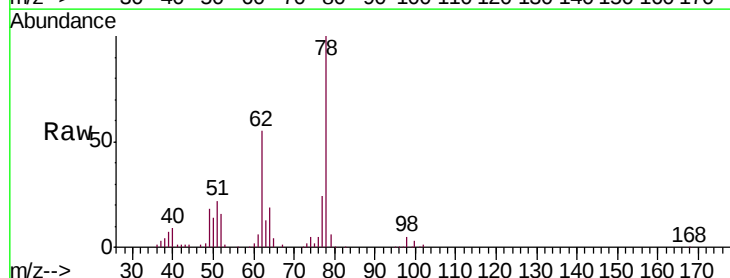
Acq: 03 Sep 2019 12:18

Tgt Ion: 62 Resp: 118329

Ion Ratio Lower Upper

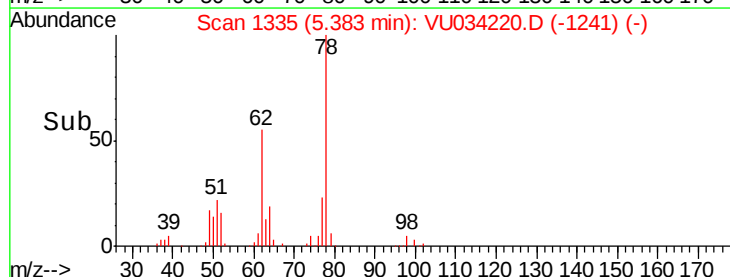
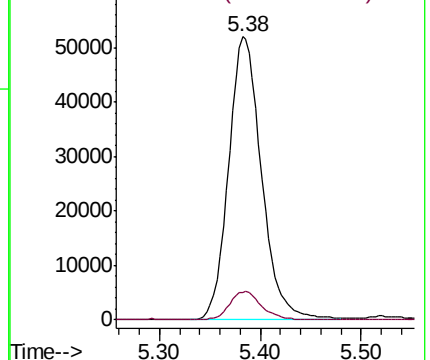
62 100

98 9.8 0.0 18.2



Abundance Ion 61.90 (61.60 to 62.60): VU034220.D (-1241) (-)

Ion 97.90 (97.60 to 98.60): VU034220.D (-1241) (-)





#43

Isopropyl Acetate

Concen: 19.657 ug/l

RT: 5.53 min Scan# 1380

Delta R.T. 0.00 min

Lab File: VU034220.D

Acq: 03 Sep 2019 12:18

Instrument :

MSVOA_U

ClientSampleId :

VU0904MBS01

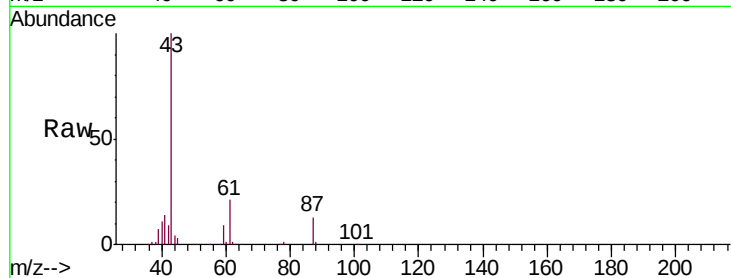
Tgt Ion: 43 Resp: 191485

Ion Ratio Lower Upper

43 100

61 21.1 17.2 25.8

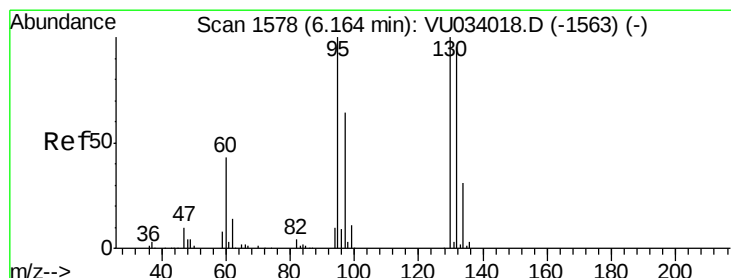
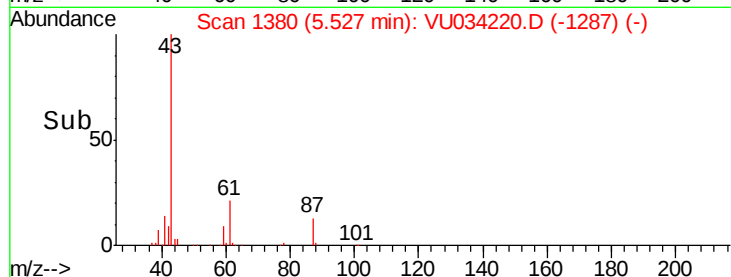
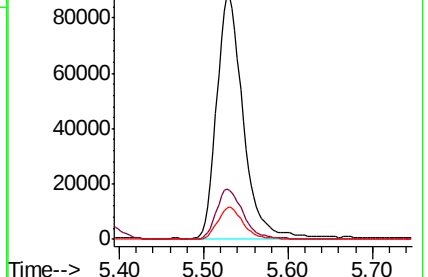
87 12.6 10.8 16.2



Abundance Ion 43.00 (42.70 to 43.70): VU034220.D (-1287) (-)

Ion 61.00 (60.70 to 61.70): VU034220.D (-1287) (-)

Ion 87.00 (86.70 to 87.70): VU034220.D (-1287) (-)



#44

Trichloroethene

Concen: 19.687 ug/l

RT: 6.17 min Scan# 1579

Delta R.T. 0.00 min

Lab File: VU034220.D

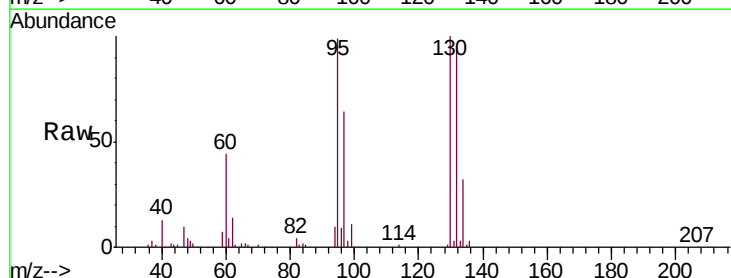
Acq: 03 Sep 2019 12:18

Tgt Ion: 130 Resp: 89435

Ion Ratio Lower Upper

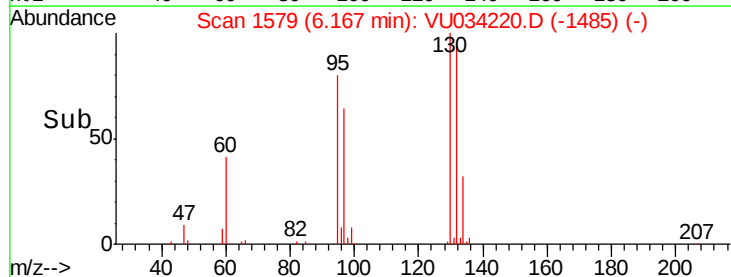
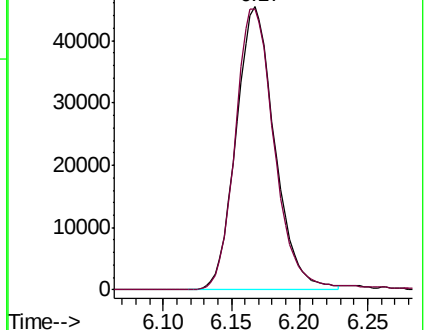
130 100

95 99.0 0.0 199.6



Abundance Ion 129.80 (129.50 to 130.50): VU034220.D (-1485) (-)

Ion 94.90 (94.60 to 95.60): VU034220.D (-1485) (-)





#45

1,2-Dichloropropane

Concen: 19.816 ug/l

RT: 6.41 min Scan# 1656

Delta R.T. 0.00 min

Lab File: VU034220.D

Acq: 03 Sep 2019 12:18

Instrument :

MSVOA_U

ClientSampleId :

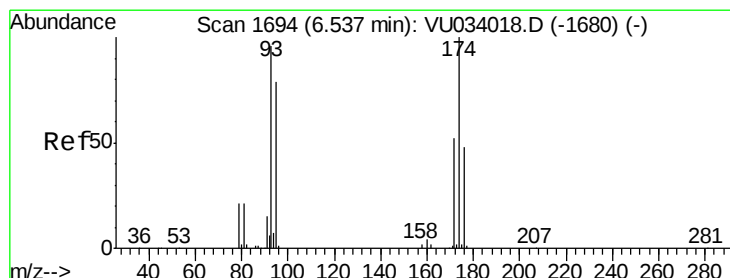
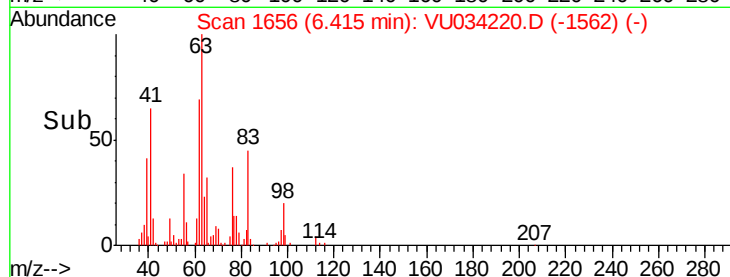
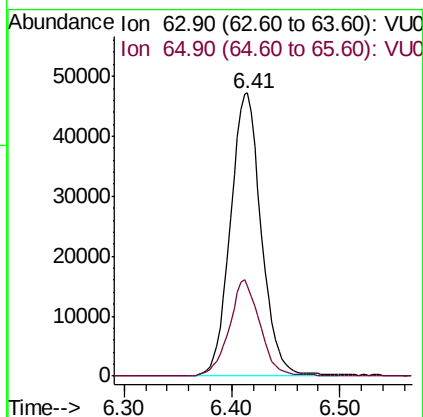
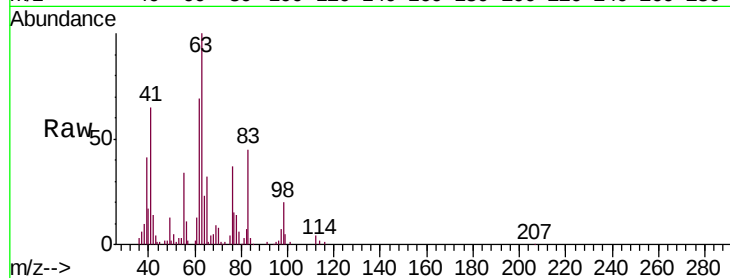
VU0904MBS01

Tgt Ion: 63 Resp: 94366

Ion Ratio Lower Upper

63 100

65 32.0 25.4 38.2



#46

Dibromomethane

Concen: 20.051 ug/l

RT: 6.54 min Scan# 1695

Delta R.T. 0.00 min

Lab File: VU034220.D

Acq: 03 Sep 2019 12:18

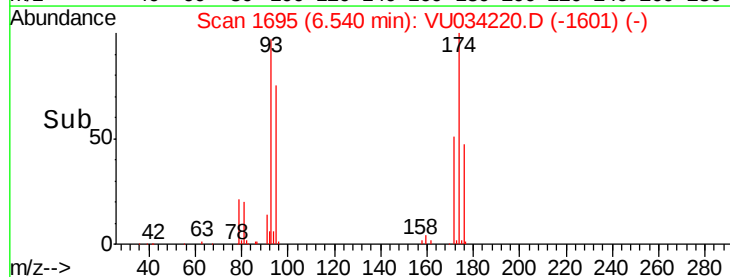
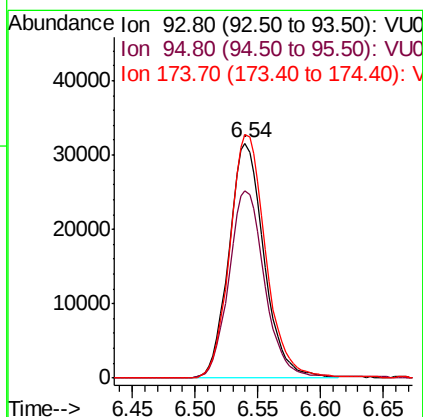
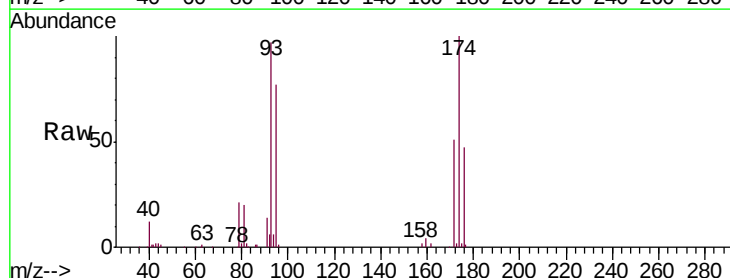
Tgt Ion: 93 Resp: 61519

Ion Ratio Lower Upper

93 100

95 81.4 66.7 100.1

174 105.9 84.9 127.3





#47

Bromodichloromethane

Concen: 19.602 ug/l

RT: 6.74 min Scan# 1756

Delta R.T. 0.00 min

Lab File: VU034220.D

Acq: 03 Sep 2019 12:18

Instrument :

MSVOA_U

ClientSampleId :

VU0904MBS01

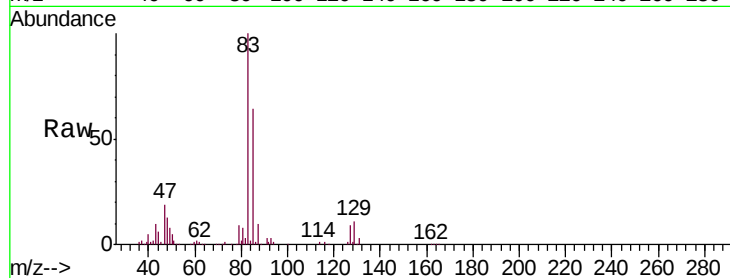
Tgt Ion: 83 Resp: 117663

Ion Ratio Lower Upper

83 100

85 63.6 51.2 76.8

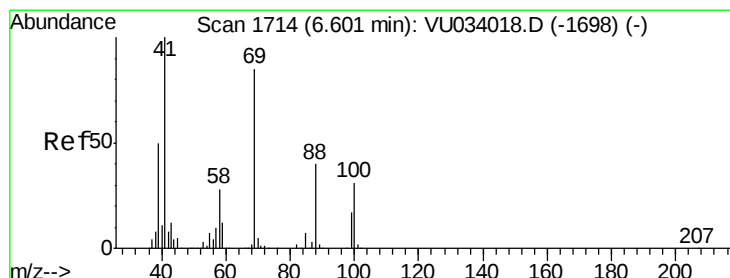
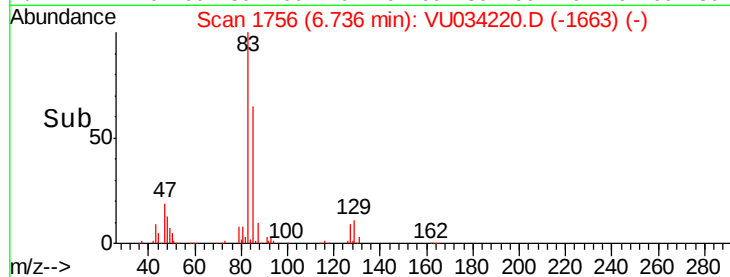
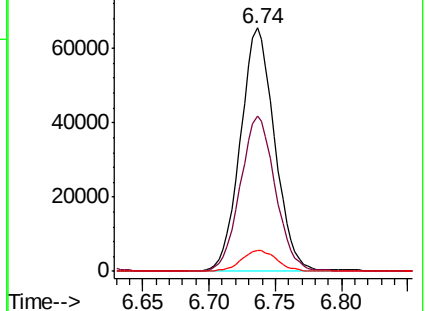
127 8.7 7.0 10.6



Abundance Ion 82.90 (82.60 to 83.60): VU034220.D (-1663) (-)

Ion 84.90 (84.60 to 85.60): VU034220.D (-1663) (-)

Ion 126.80 (126.50 to 127.50): VU034220.D (-1663) (-)



#48

Methyl methacrylate

Concen: 18.425 ug/l

RT: 6.60 min Scan# 1715

Delta R.T. 0.00 min

Lab File: VU034220.D

Acq: 03 Sep 2019 12:18

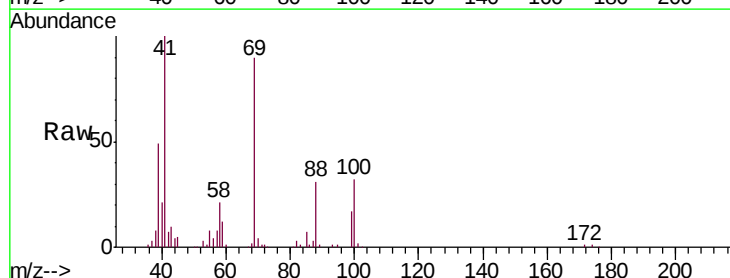
Tgt Ion: 41 Resp: 86609

Ion Ratio Lower Upper

41 100

69 92.8 69.5 104.3

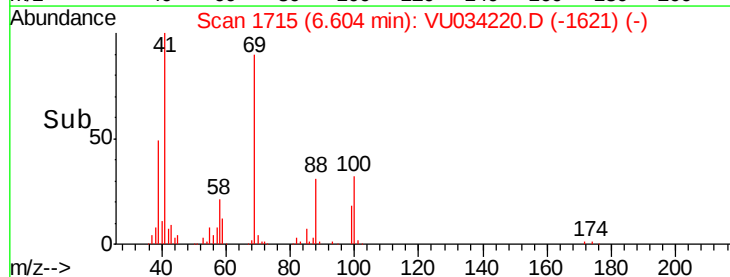
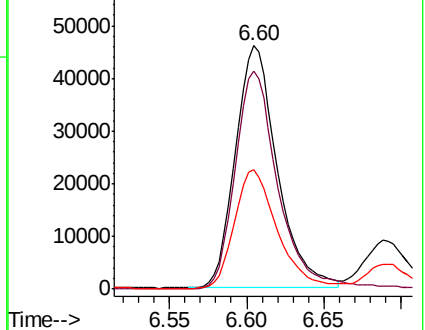
39 50.4 40.3 60.5



Abundance Ion 41.00 (40.70 to 41.70): VU034220.D (-1621) (-)

Ion 69.00 (68.70 to 69.70): VU034220.D (-1621) (-)

Ion 39.00 (38.70 to 39.70): VU034220.D (-1621) (-)

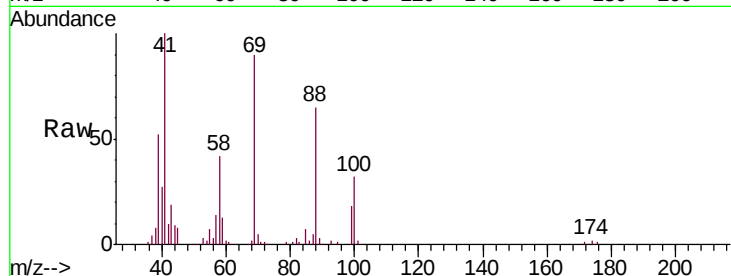




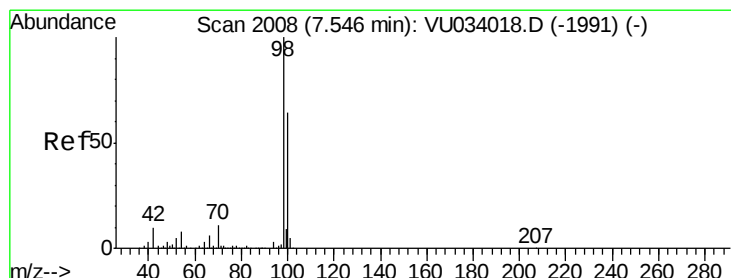
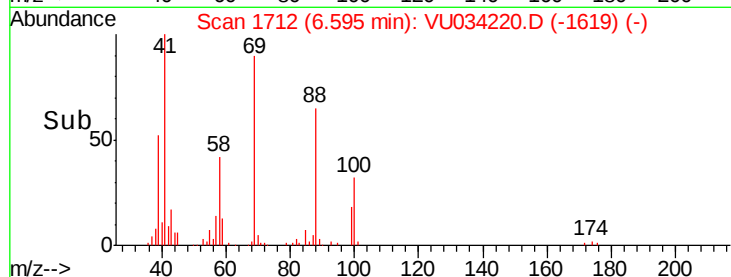
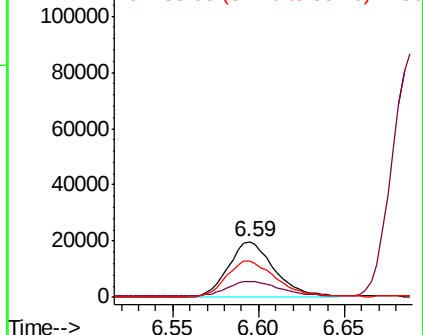
#49
 1,4-Dioxane
 Concen: 309.869 ug/l
 RT: 6.59 min Scan# 1712
 Delta R.T. 0.00 min
 Lab File: VU034220.D
 Acq: 03 Sep 2019 12:18

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0904MBS01

Tgt Ion: 88 Resp: 36495
 Ion Ratio Lower Upper
 88 100
 43 31.7 24.8 37.2
 58 73.2 59.3 88.9

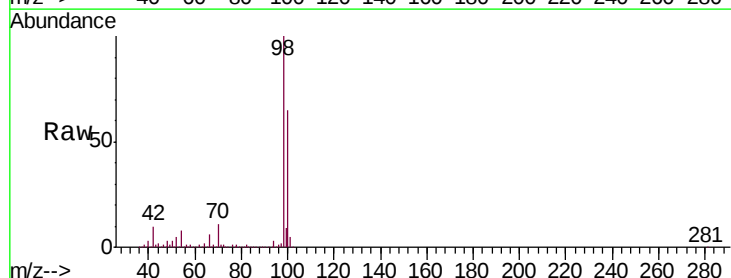


Abundance Ion 88.00 (87.70 to 88.70): VU0
 Ion 43.00 (42.70 to 43.70): VU0
 Ion 58.00 (57.70 to 58.70): VU0

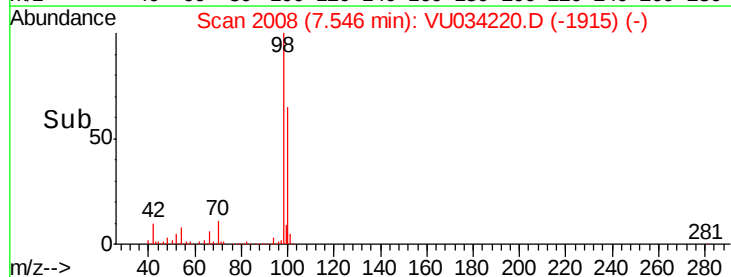
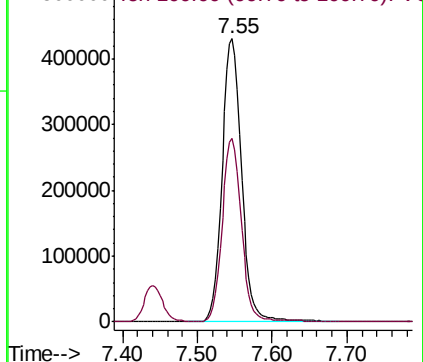


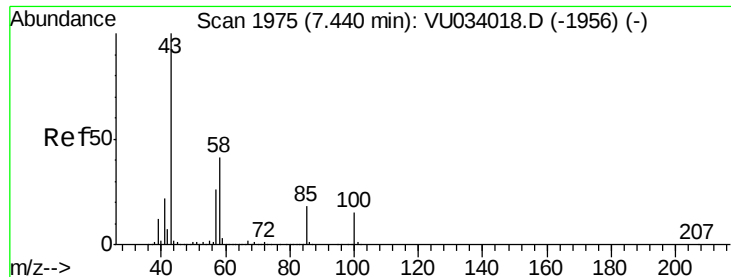
#50
 Toluene-d8
 Concen: 49.374 ug/l
 RT: 7.55 min Scan# 2008
 Delta R.T. 0.00 min
 Lab File: VU034220.D
 Acq: 03 Sep 2019 12:18

Tgt Ion: 98 Resp: 775133
 Ion Ratio Lower Upper
 98 100
 100 63.8 50.3 75.5



Abundance Ion 98.00 (97.70 to 98.70): VU0
 Ion 100.00 (99.70 to 100.70): VU0





#51

4-Methyl-2-Pentanone

Concen: 95.873 ug/l

RT: 7.44 min Scan# 1975

Delta R.T. 0.00 min

Lab File: VU034220.D

Acq: 03 Sep 2019 12:18

Instrument :

MSVOA_U

ClientSampleId :

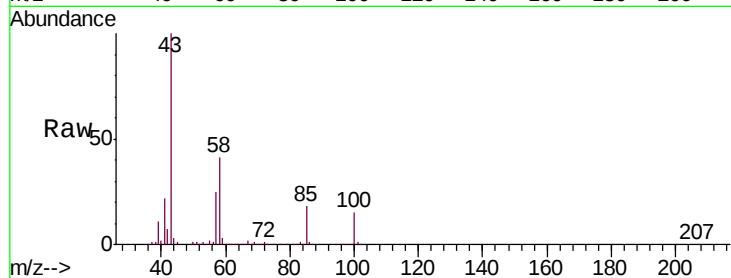
VU0904MBS01

Tgt Ion: 43 Resp: 644964

Ion Ratio Lower Upper

43 100

58 40.7 32.2 48.4



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

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

7.44

400000

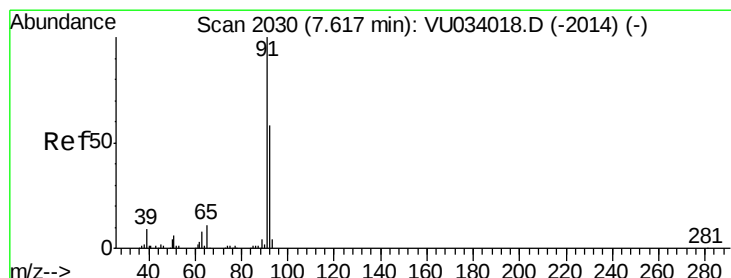
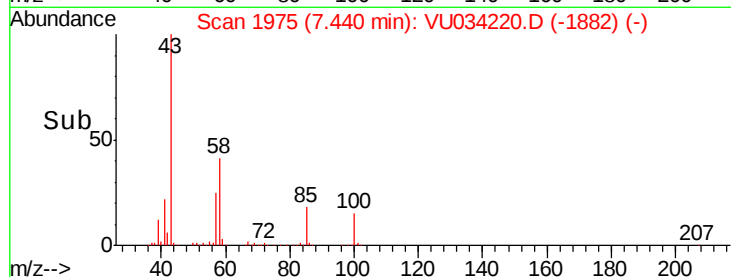
300000

200000

100000

0

Time-->



#52

Toluene

Concen: 20.045 ug/l

RT: 7.62 min Scan# 2030

Delta R.T. 0.00 min

Lab File: VU034220.D

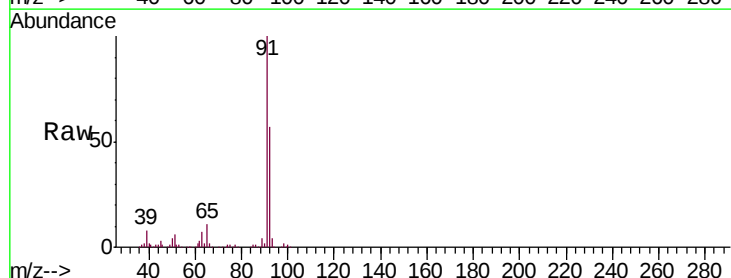
Acq: 03 Sep 2019 12:18

Tgt Ion: 92 Resp: 213615

Ion Ratio Lower Upper

92 100

91 174.2 138.3 207.5



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

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

7.62

200000

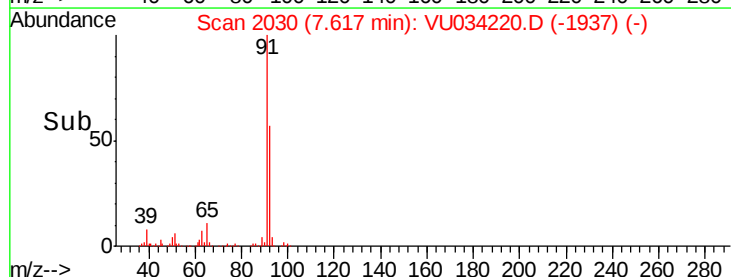
150000

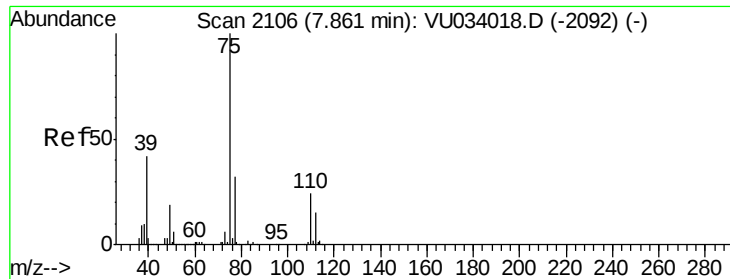
100000

50000

0

Time-->





#53

t-1,3-Dichloropropene

Concen: 18.958 ug/l

RT: 7.86 min Scan# 2106

Delta R.T. 0.00 min

Lab File: VU034220.D

Acq: 03 Sep 2019 12:18

Instrument :

MSVOA_U

ClientSampleId :

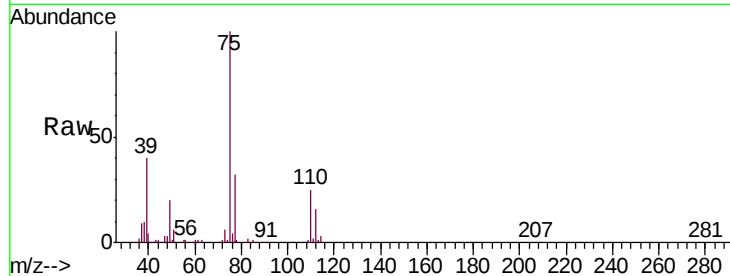
VU0904MBS01

Tgt Ion: 75 Resp: 126269

Ion Ratio Lower Upper

75 100

77 31.8 25.4 38.0



Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 76.90 (76.60 to 77.60): VU0

7.86

80000

60000

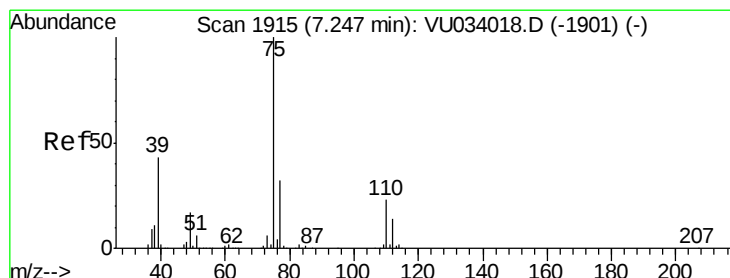
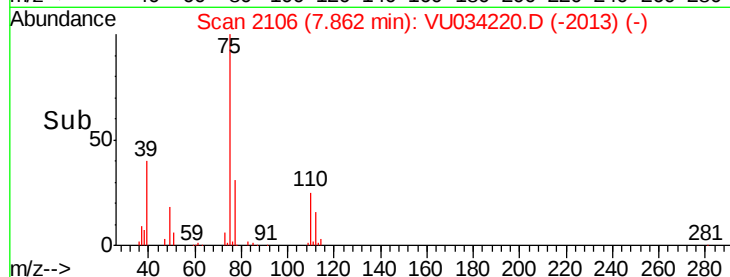
40000

20000

0

7.80 7.90 8.00

Time-->



#54

cis-1,3-Dichloropropene

Concen: 19.515 ug/l

RT: 7.25 min Scan# 1916

Delta R.T. 0.00 min

Lab File: VU034220.D

Acq: 03 Sep 2019 12:18

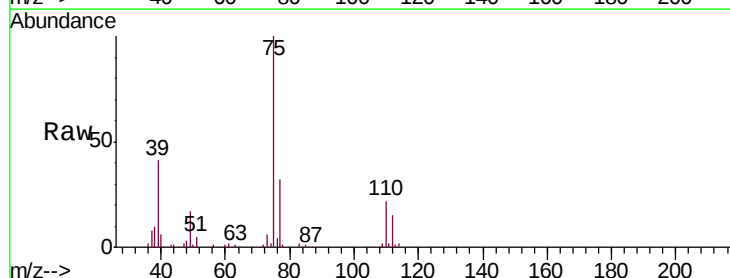
Tgt Ion: 75 Resp: 142000

Ion Ratio Lower Upper

75 100

77 31.6 25.2 37.8

39 40.8 34.6 51.8



Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 76.90 (76.60 to 77.60): VU0

Ion 39.00 (38.70 to 39.70): VU0

100000

80000

60000

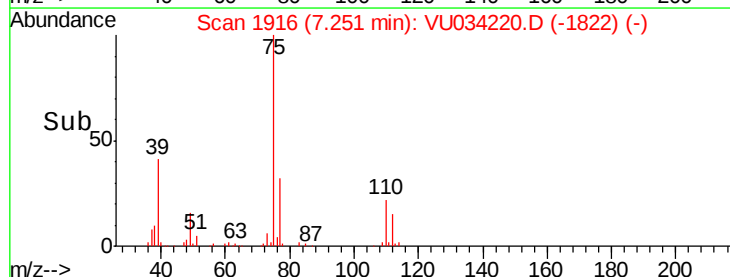
40000

20000

0

7.15 7.20 7.25 7.30 7.35

Time-->





#55

1,1,2-Trichloroethane

Concen: 19.878 ug/l

RT: 8.05 min Scan# 2164

Delta R.T. 0.00 min

Lab File: VU034220.D

Acq: 03 Sep 2019 12:18

Instrument :

MSVOA_U

ClientSampleId :

VU0904MBS01

Tgt Ion: 97 Resp: 89604

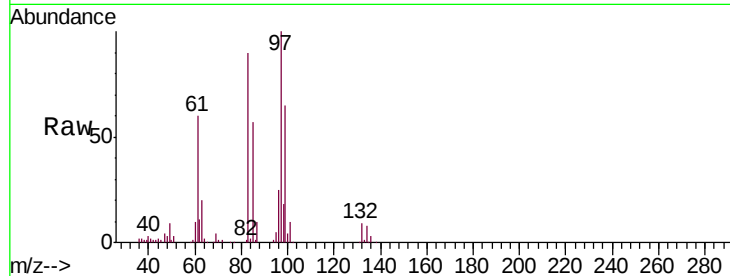
Ion Ratio Lower Upper

97 100

83 89.7 70.1 105.1

85 57.1 45.0 67.4

99 64.7 49.8 74.8

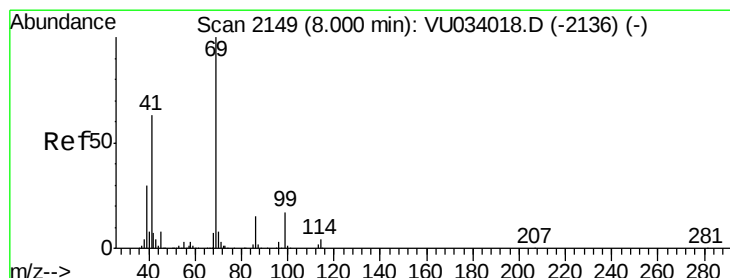
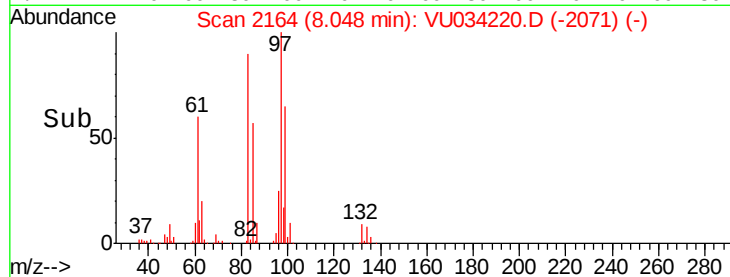
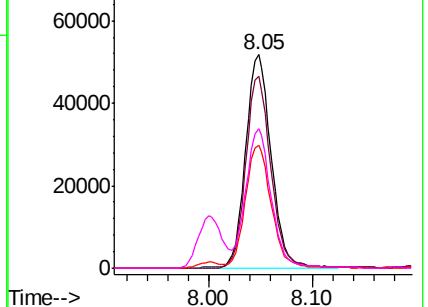


Abundance Ion 96.90 (96.60 to 97.60): VU0

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: 17.171 ug/l

RT: 8.00 min Scan# 2149

Delta R.T. 0.00 min

Lab File: VU034220.D

Acq: 03 Sep 2019 12:18

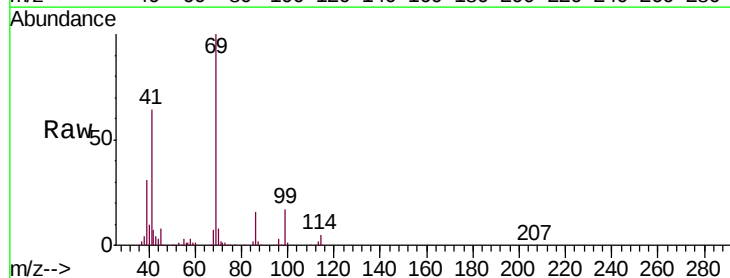
Tgt Ion: 69 Resp: 123523

Ion Ratio Lower Upper

69 100

41 64.4 50.7 76.1

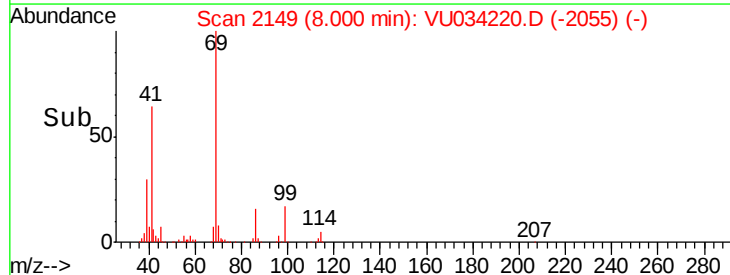
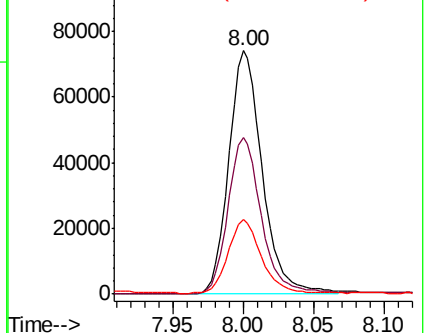
39 29.8 24.2 36.2

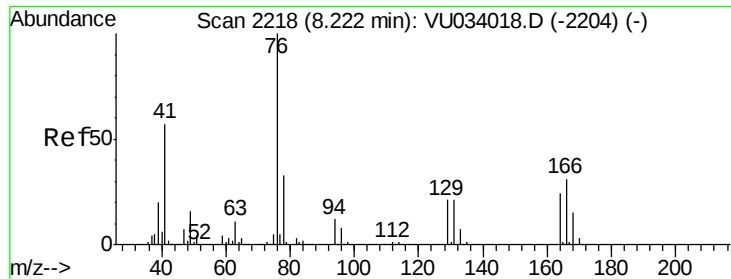


Abundance Ion 69.00 (68.70 to 69.70): VU0

Ion 41.00 (40.70 to 41.70): VU0

Ion 39.00 (38.70 to 39.70): VU0





#57

1,3-Dichloropropane

Concen: 19.517 ug/l

RT: 8.22 min Scan# 2219

Delta R.T. 0.00 min

Lab File: VU034220.D

Acq: 03 Sep 2019 12:18

Instrument :

MSVOA_U

ClientSampleId :

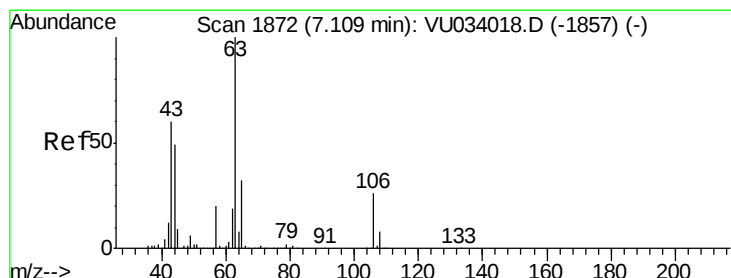
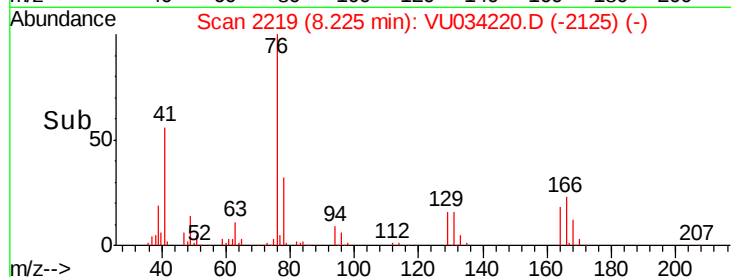
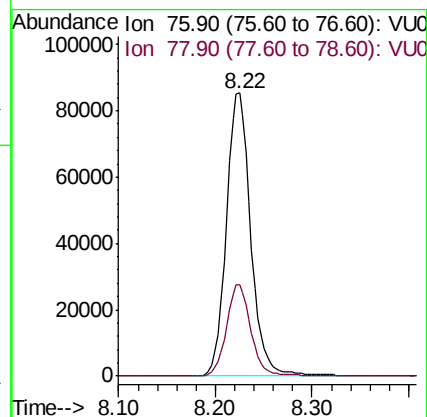
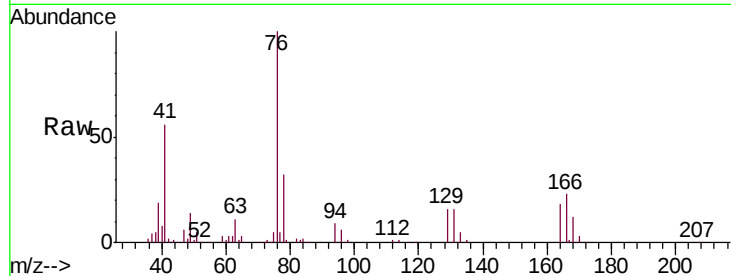
VU0904MBS01

Tgt Ion: 76 Resp: 149379

Ion Ratio Lower Upper

76 100

78 32.3 26.2 39.4



#58

2-Chloroethyl Vinyl ether

Concen: 86.859 ug/l

RT: 7.11 min Scan# 1872

Delta R.T. 0.00 min

Lab File: VU034220.D

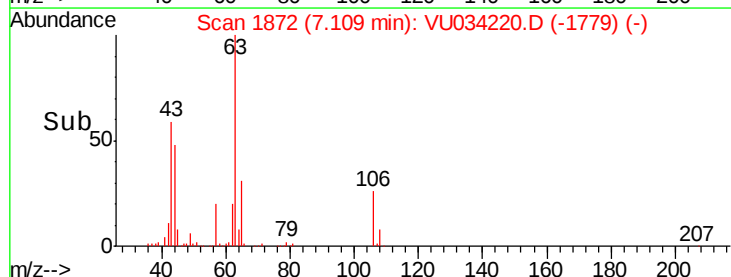
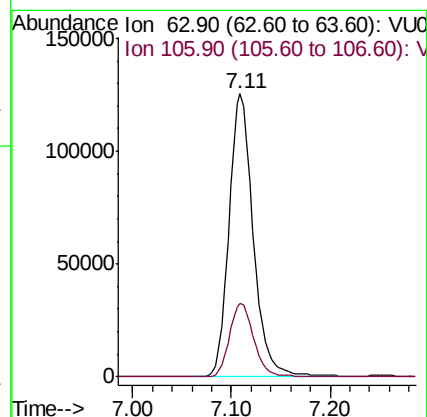
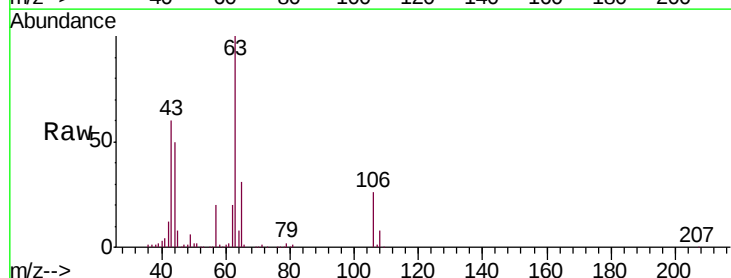
Acq: 03 Sep 2019 12:18

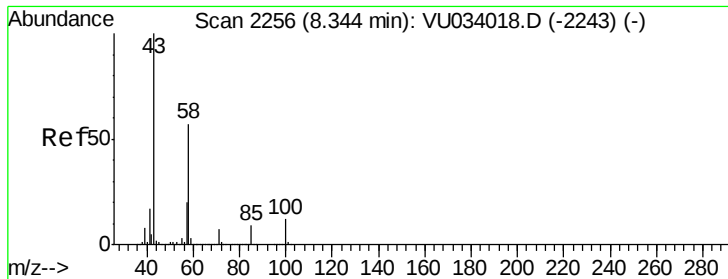
Tgt Ion: 63 Resp: 216609

Ion Ratio Lower Upper

63 100

106 26.2 20.7 31.1

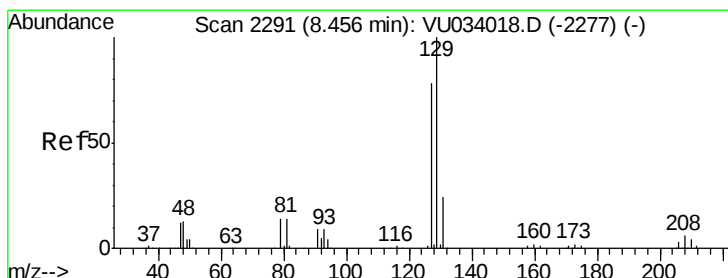
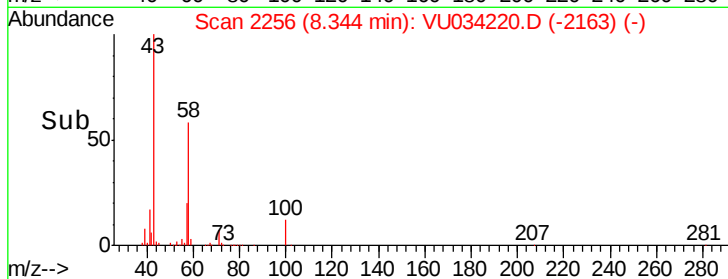
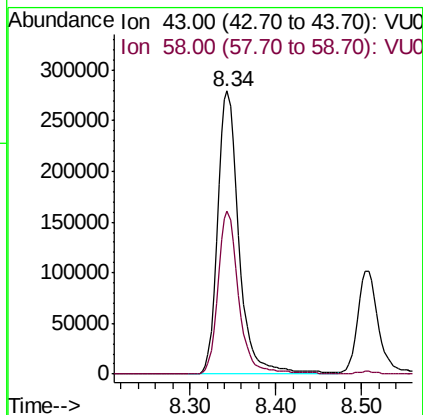
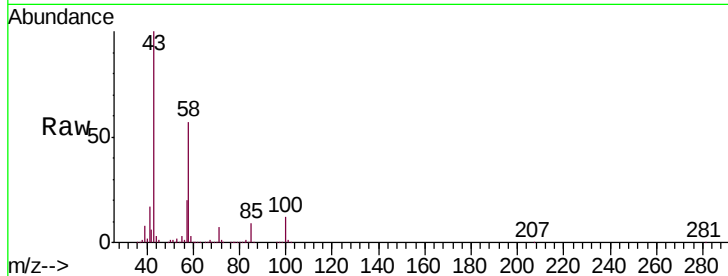




#59
2-Hexanone
Concen: 94.575 ug/l
RT: 8.34 min Scan# 2256
Delta R.T. 0.00 min
Lab File: VU034220.D
Acq: 03 Sep 2019 12:18

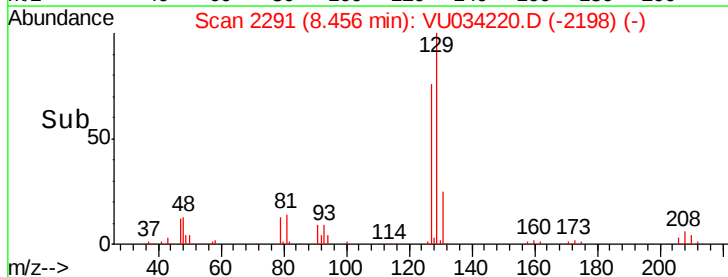
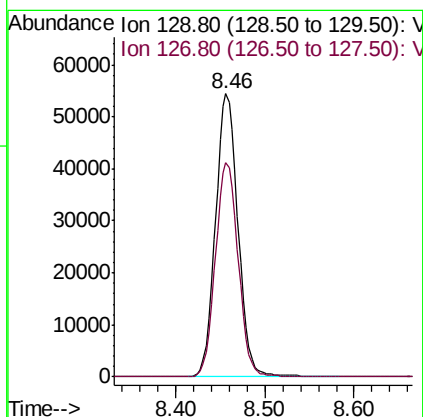
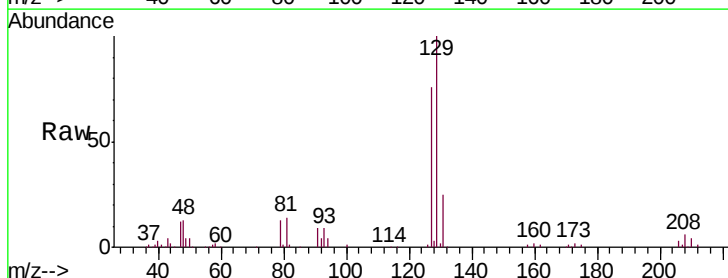
Instrument :
MSVOA_U
ClientSampleId :
VU0904MBS01

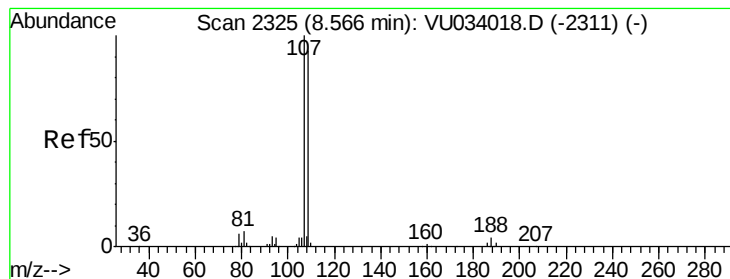
Tgt Ion: 43 Resp: 480297
Ion Ratio Lower Upper
43 100
58 56.6 28.4 85.3



#60
Dibromochloromethane
Concen: 19.645 ug/l
RT: 8.46 min Scan# 2291
Delta R.T. 0.00 min
Lab File: VU034220.D
Acq: 03 Sep 2019 12:18

Tgt Ion: 129 Resp: 95059
Ion Ratio Lower Upper
129 100
127 76.3 39.0 116.9





#61

1,2-Dibromoethane

Concen: 18.831 ug/l

RT: 8.57 min Scan# 2326

Delta R.T. 0.00 min

Lab File: VU034220.D

Acq: 03 Sep 2019 12:18

Instrument :

MSVOA_U

ClientSampleId :

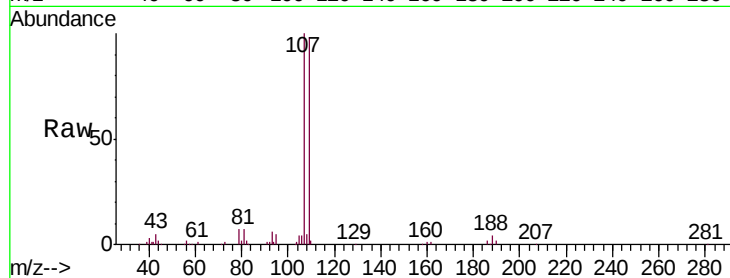
VU0904MBS01

Tgt Ion: 107 Resp: 89416

Ion Ratio Lower Upper

107 100

109 97.5 75.2 112.8



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

8.57

50000

40000

30000

20000

10000

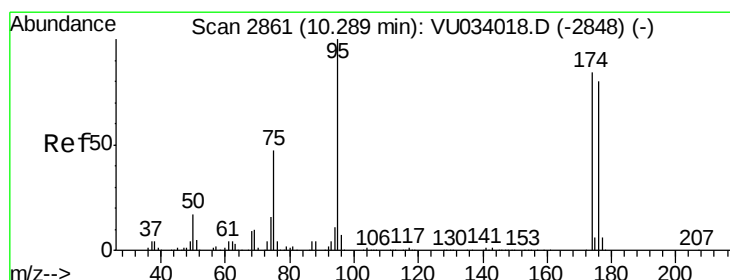
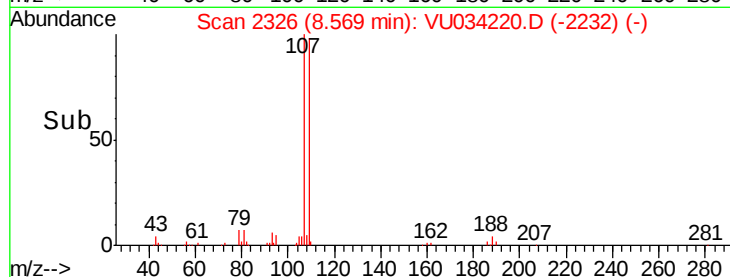
0

8.50

8.60

8.70

Time-->



#62

4-Bromofluorobenzene

Concen: 47.231 ug/l

RT: 10.29 min Scan# 2860

Delta R.T. -0.00 min

Lab File: VU034220.D

Acq: 03 Sep 2019 12:18

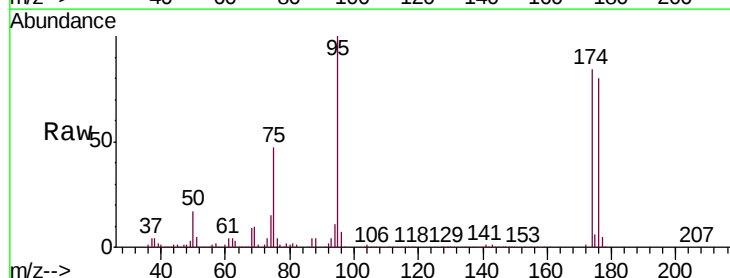
Tgt Ion: 95 Resp: 288430

Ion Ratio Lower Upper

95 100

174 85.5 0.0 168.8

176 82.0 0.0 161.8



Abundance Ion 94.90 (94.60 to 95.60): VU0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

250000

200000

150000

100000

50000

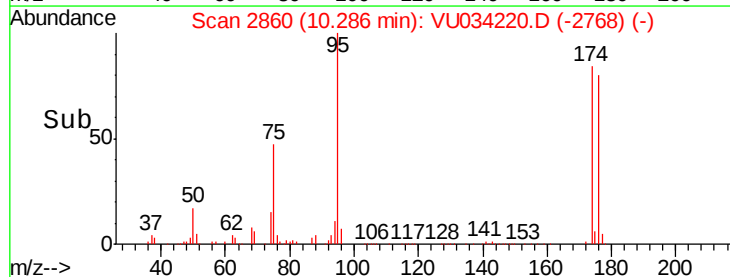
0

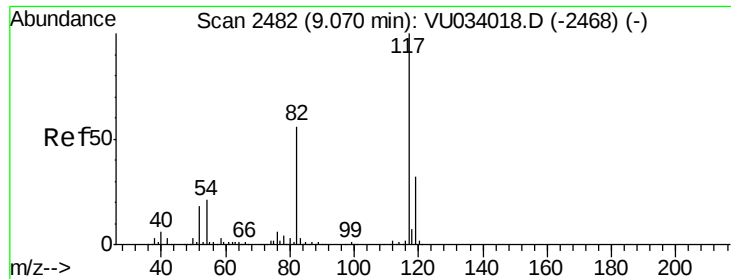
10.20

10.30

10.40

Time-->

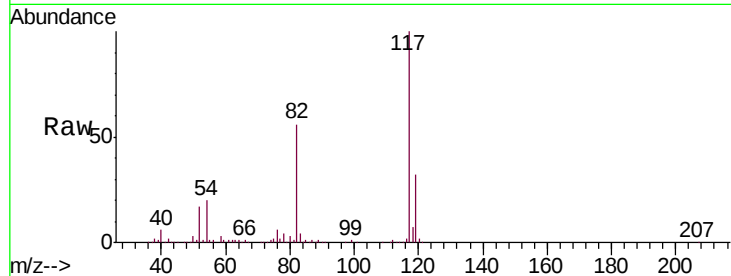




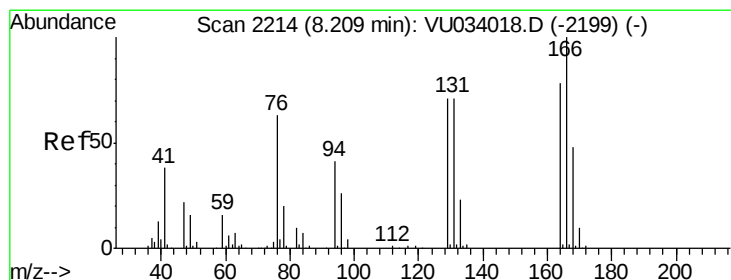
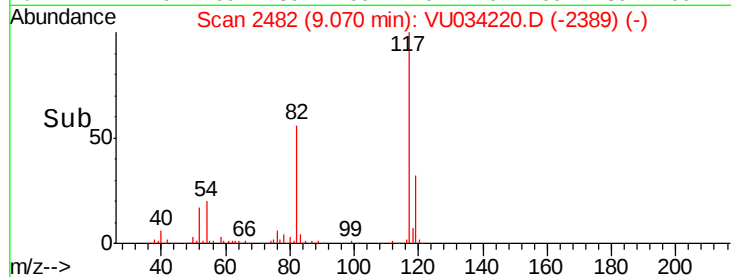
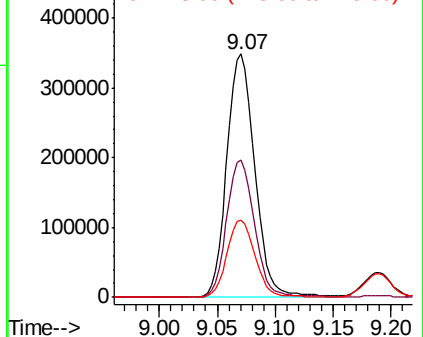
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.07 min Scan# 2482
Delta R.T. 0.00 min
Lab File: VU034220.D
Acq: 03 Sep 2019 12:18

Instrument :
MSVOA_U
ClientSampleId :
VU0904MBS01

Tgt Ion:117 Resp: 585802
Ion Ratio Lower Upper
117 100
82 56.5 45.1 67.7
119 31.9 25.4 38.0

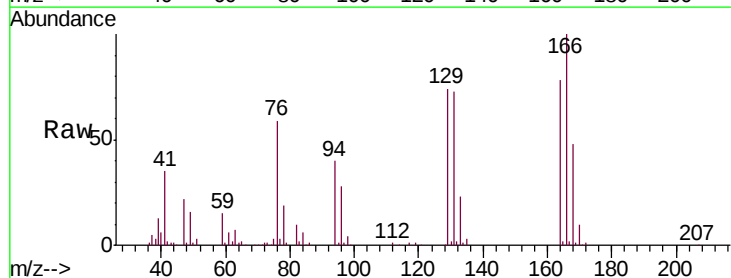


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VU0
Ion 118.90 (118.60 to 119.60): V

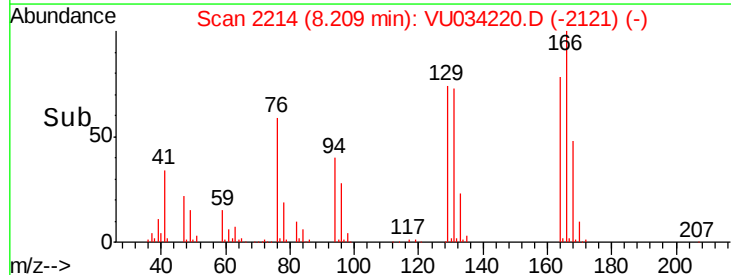
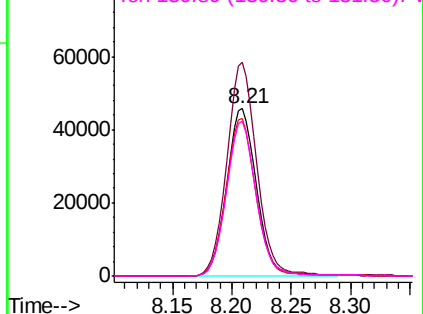


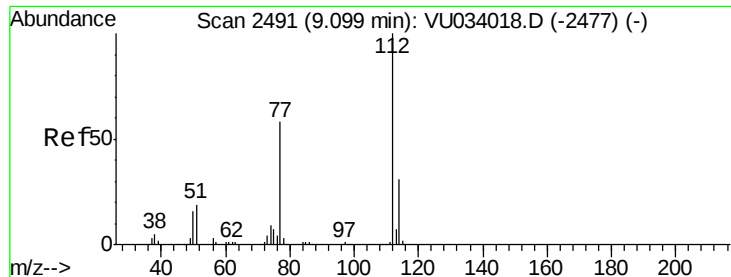
#64
Tetrachloroethene
Concen: 20.239 ug/l
RT: 8.21 min Scan# 2214
Delta R.T. 0.00 min
Lab File: VU034220.D
Acq: 03 Sep 2019 12:18

Tgt Ion:164 Resp: 79623
Ion Ratio Lower Upper
164 100
166 127.6 102.2 153.2
129 94.4 72.4 108.6
131 92.6 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

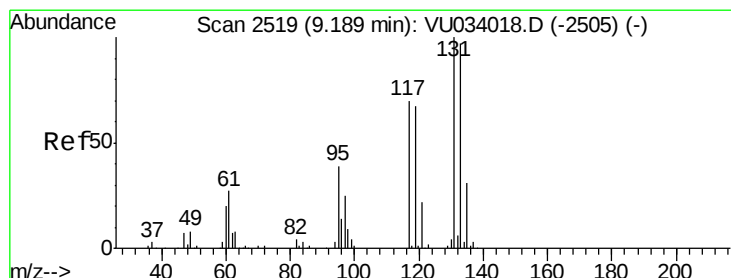
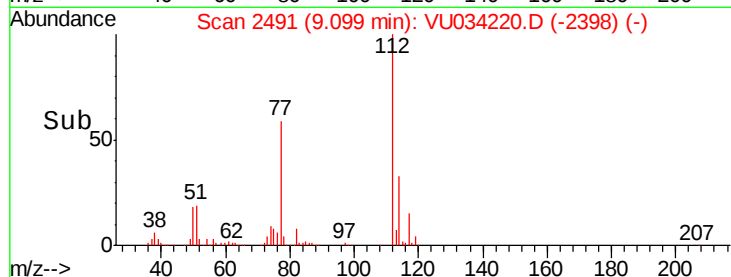
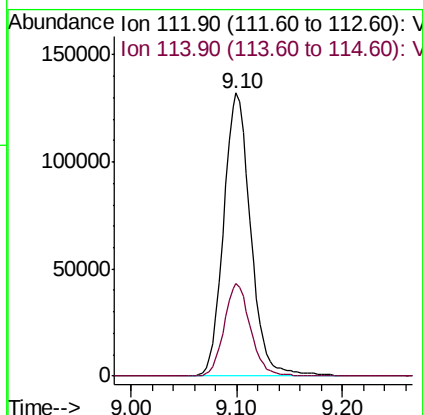
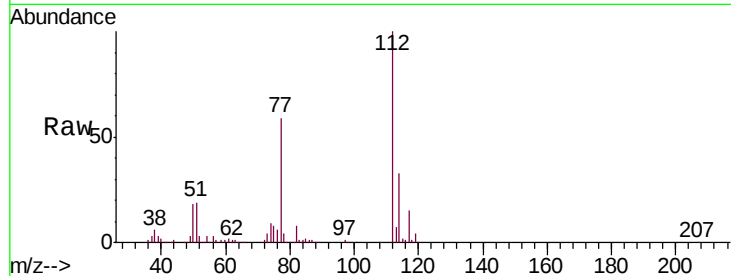




#65
Chlorobenzene
Concen: 19.480 ug/l
RT: 9.10 min Scan# 2491
Delta R.T. 0.00 min
Lab File: VU034220.D
Acq: 03 Sep 2019 12:18

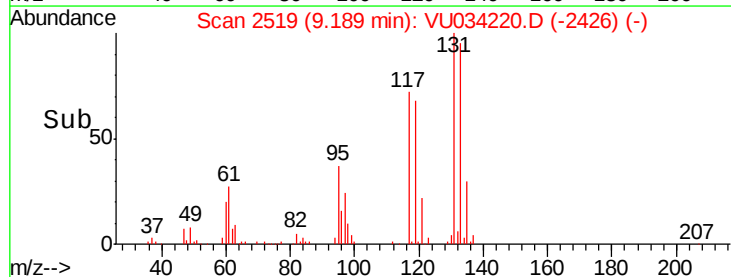
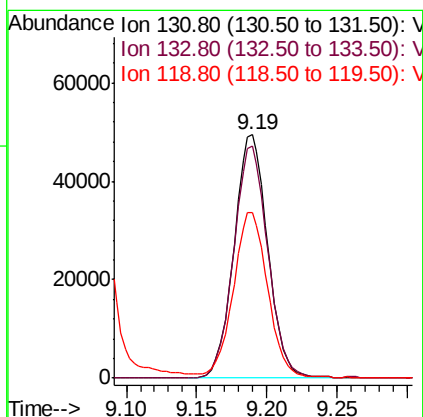
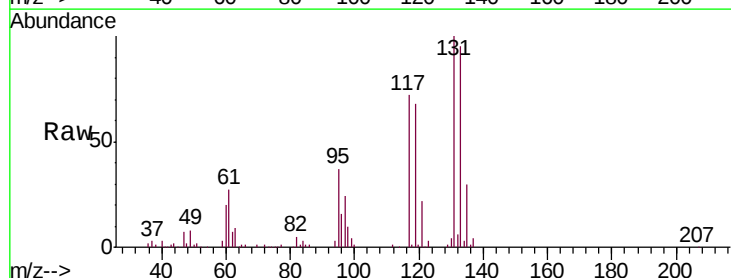
Instrument :
MSVOA_U
ClientSampleId :
VU0904MBS01

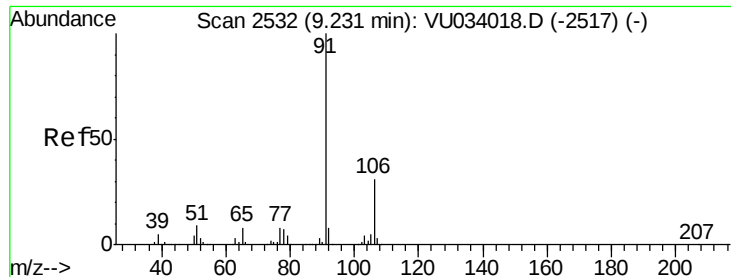
Tgt Ion:112 Resp: 234832
Ion Ratio Lower Upper
112 100
114 32.7 25.0 37.4



#66
1,1,1,2-Tetrachloroethane
Concen: 18.967 ug/l
RT: 9.19 min Scan# 2519
Delta R.T. 0.00 min
Lab File: VU034220.D
Acq: 03 Sep 2019 12:18

Tgt Ion:131 Resp: 82912
Ion Ratio Lower Upper
131 100
133 96.7 48.4 145.2
119 69.1 33.6 100.6





#67

Ethyl Benzene

Concen: 19.403 ug/l

RT: 9.23 min Scan# 2532

Delta R.T. 0.00 min

Lab File: VU034220.D

Acq: 03 Sep 2019 12:18

Instrument :

MSVOA_U

ClientSampleId :

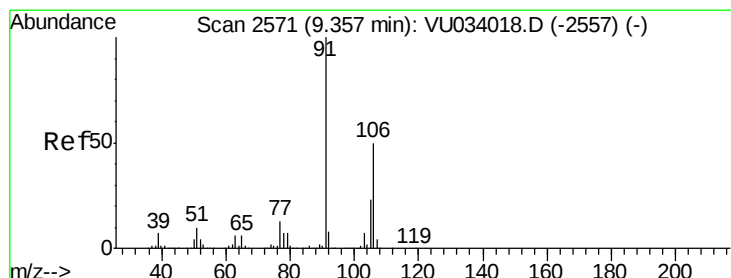
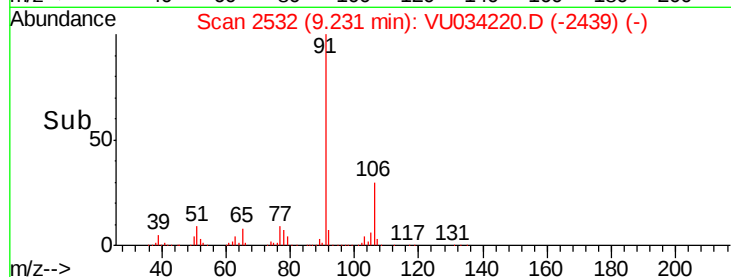
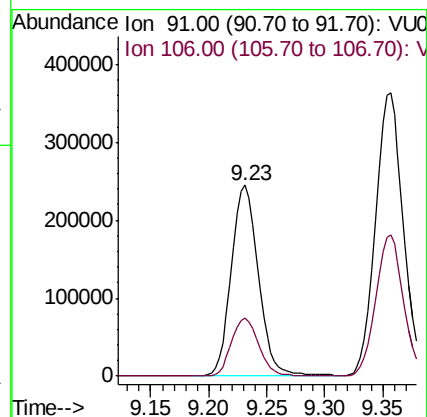
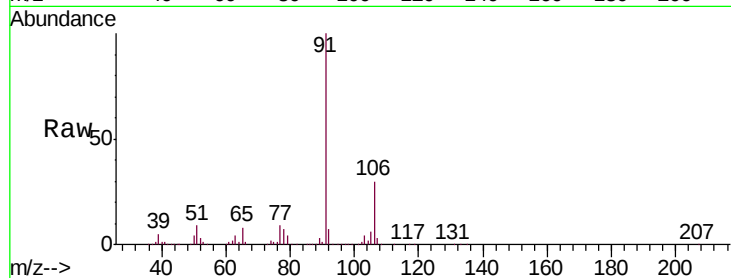
VU0904MBS01

Tgt Ion: 91 Resp: 396501

Ion Ratio Lower Upper

91 100

106 30.2 24.9 37.3



#68

m/p-Xylenes

Concen: 39.351 ug/l

RT: 9.36 min Scan# 2571

Delta R.T. 0.00 min

Lab File: VU034220.D

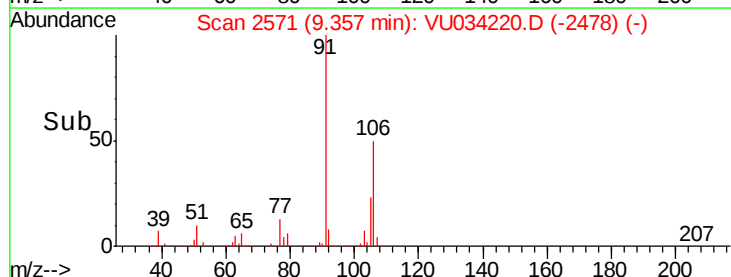
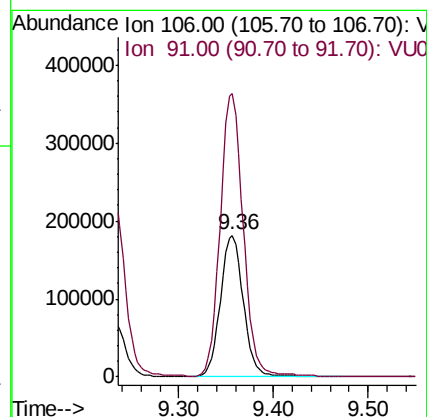
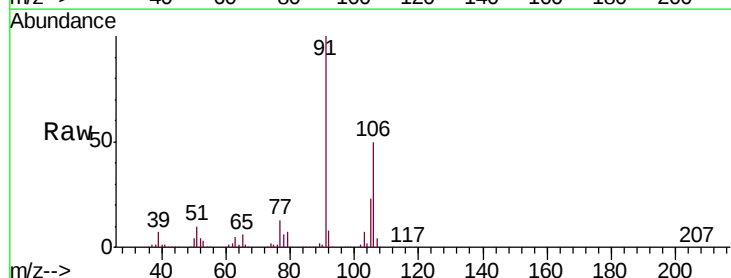
Acq: 03 Sep 2019 12:18

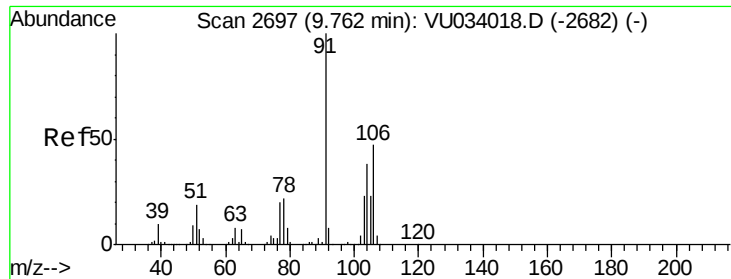
Tgt Ion: 106 Resp: 305764

Ion Ratio Lower Upper

106 100

91 201.4 161.6 242.4

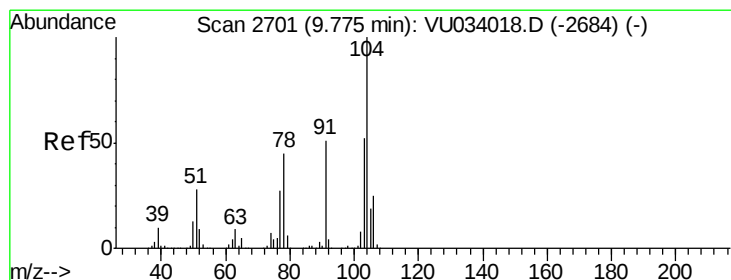
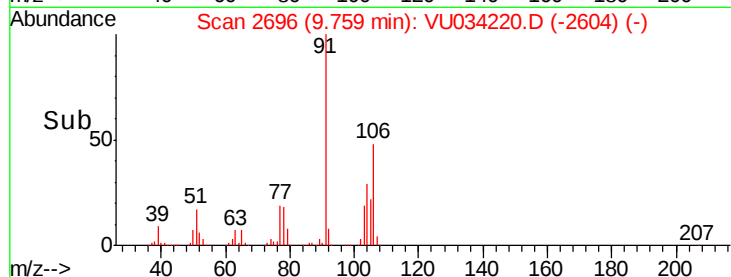
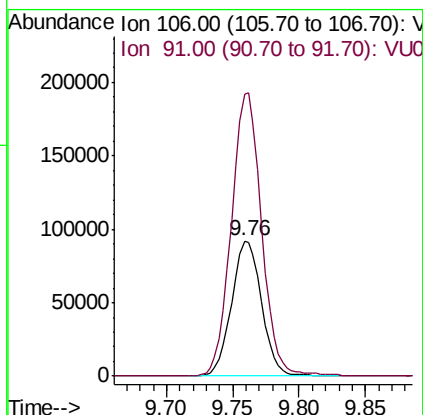
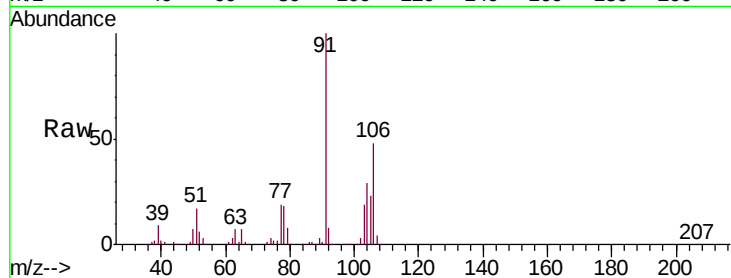




#69
o-Xylene
Concen: 19.463 ug/l
RT: 9.76 min Scan# 2696
Delta R.T. -0.00 min
Lab File: VU034220.D
Acq: 03 Sep 2019 12:18

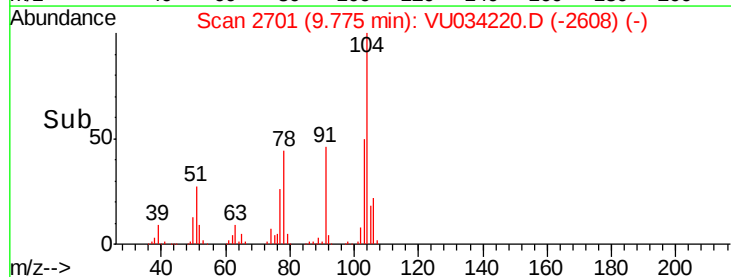
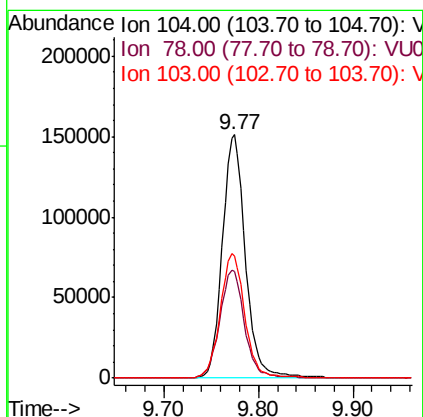
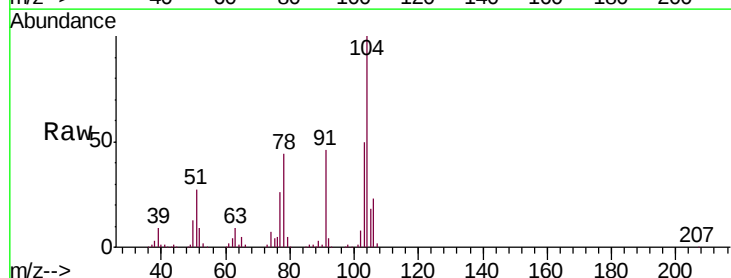
Instrument :
MSVOA_U
ClientSampleId :
VU0904MBS01

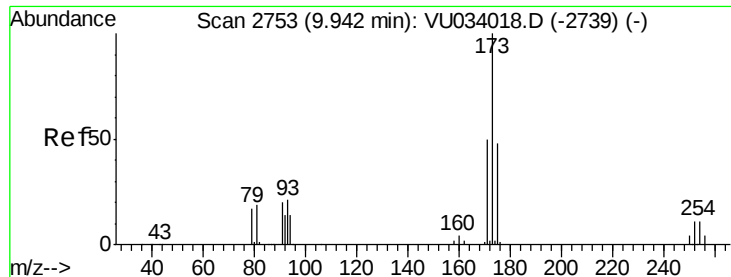
Tgt Ion:106 Resp: 145090
Ion Ratio Lower Upper
106 100
91 211.1 106.0 318.0



#70
Styrene
Concen: 20.032 ug/l
RT: 9.77 min Scan# 2701
Delta R.T. 0.00 min
Lab File: VU034220.D
Acq: 03 Sep 2019 12:18

Tgt Ion:104 Resp: 256049
Ion Ratio Lower Upper
104 100
78 47.9 39.0 58.4
103 54.6 44.0 66.0





#71

Bromoform

Concen: 18.711 ug/l

RT: 9.94 min Scan# 2752

Delta R.T. -0.00 min

Lab File: VU034220.D

Acq: 03 Sep 2019 12:18

Instrument :

MSVOA_U

ClientSampleId :

VU0904MBS01

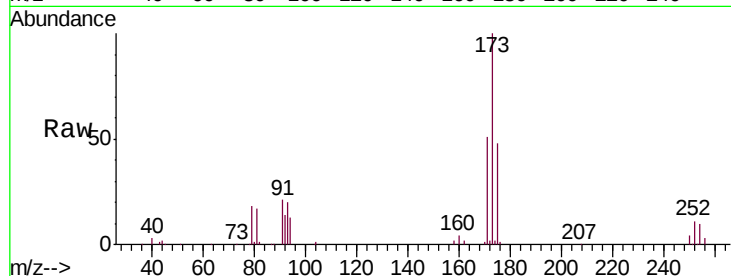
Tgt Ion:173 Resp: 71066

Ion Ratio Lower Upper

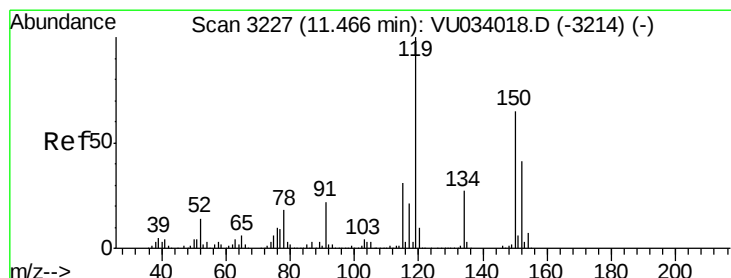
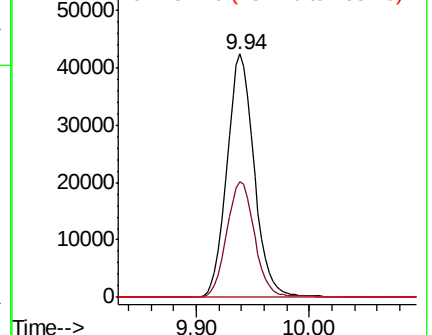
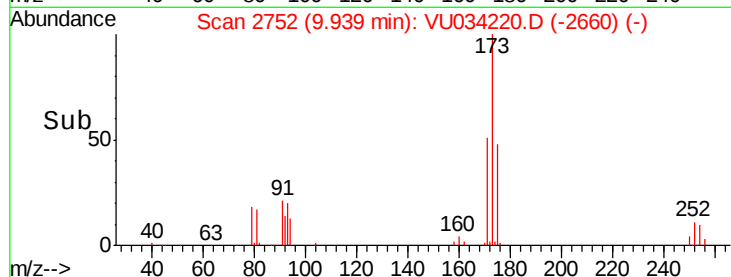
173 100

175 48.7 24.6 73.6

254 0.1 0.0 0.0#



Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 11.46 min Scan# 3226

Delta R.T. -0.00 min

Lab File: VU034220.D

Acq: 03 Sep 2019 12:18

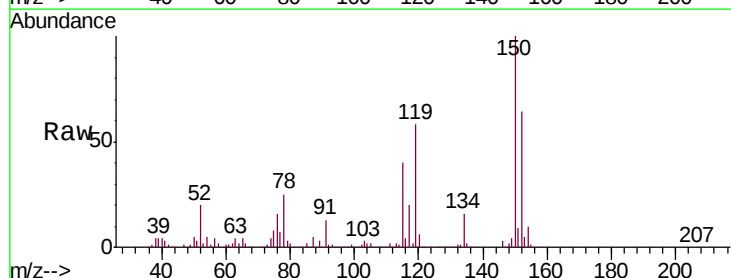
Tgt Ion:152 Resp: 314308

Ion Ratio Lower Upper

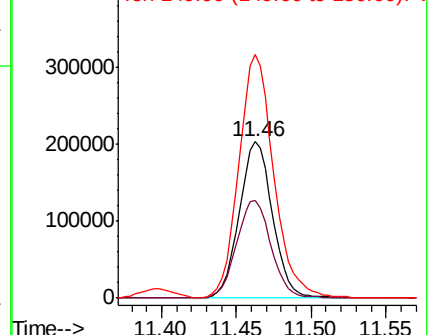
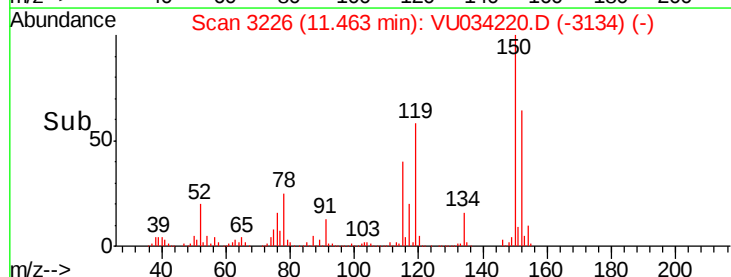
152 100

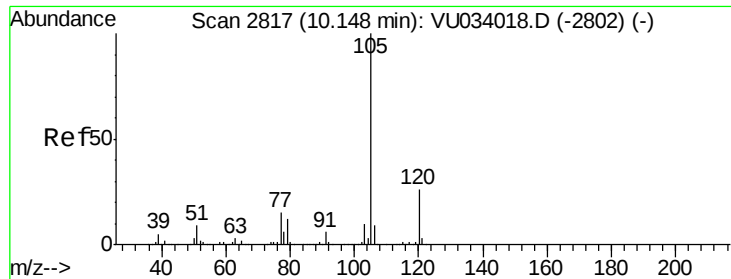
115 65.3 41.1 123.3

150 163.1 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: 18.644 ug/l

RT: 10.15 min Scan# 2817

Delta R.T. 0.00 min

Lab File: VU034220.D

Acq: 03 Sep 2019 12:18

Instrument :

MSVOA_U

ClientSampleId :

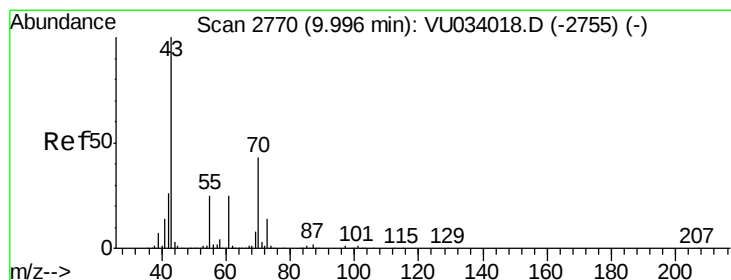
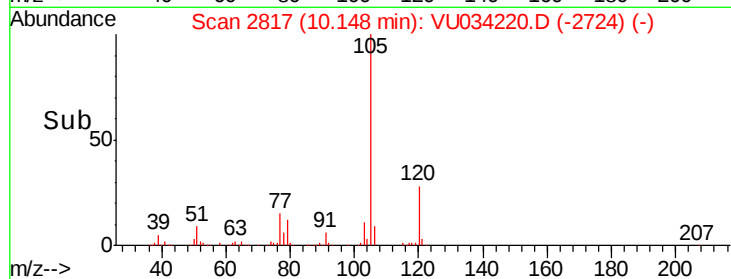
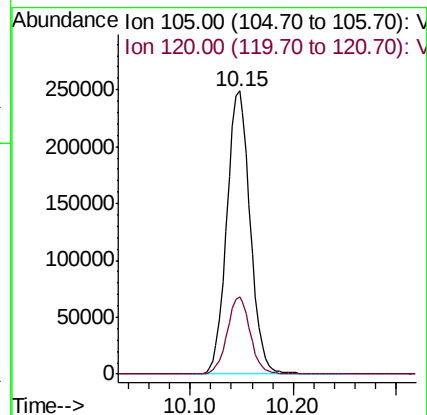
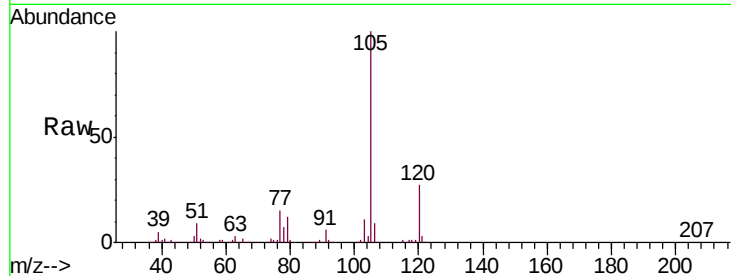
VU0904MBS01

Tgt Ion: 105 Resp: 393607

Ion Ratio Lower Upper

105 100

120 26.8 13.3 39.8



#74

N-ethyl acetate

Concen: 17.770 ug/l

RT: 10.00 min Scan# 2770

Delta R.T. 0.00 min

Lab File: VU034220.D

Acq: 03 Sep 2019 12:18

Tgt Ion: 43 Resp: 157790

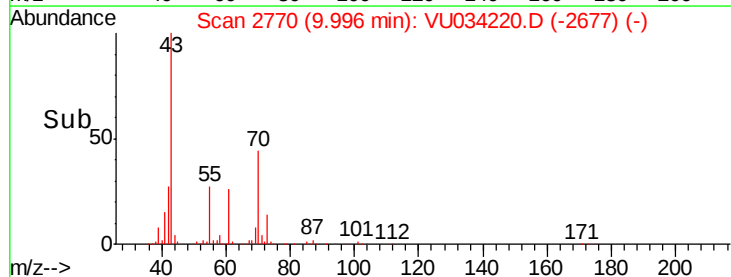
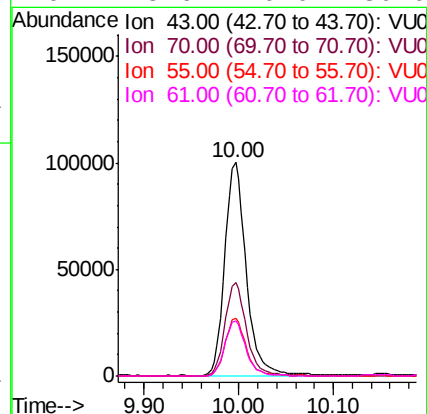
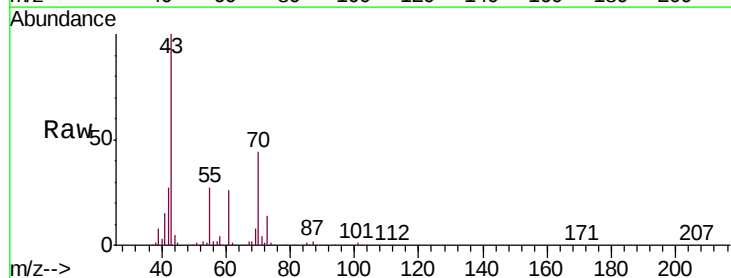
Ion Ratio Lower Upper

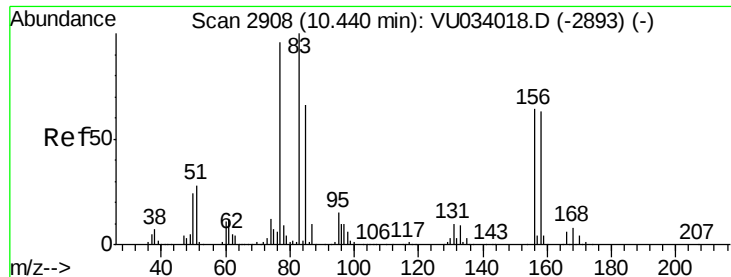
43 100

70 44.1 35.2 52.8

55 26.6 20.5 30.7

61 25.6 20.0 30.0





#75

1,1,2,2-Tetrachloroethane

Concen: 18.739 ug/l

RT: 10.44 min Scan# 2907

Delta R.T. -0.00 min

Lab File: VU034220.D

Acq: 03 Sep 2019 12:18

Instrument :

MSVOA_U

ClientSampleId :

VU0904MBS01

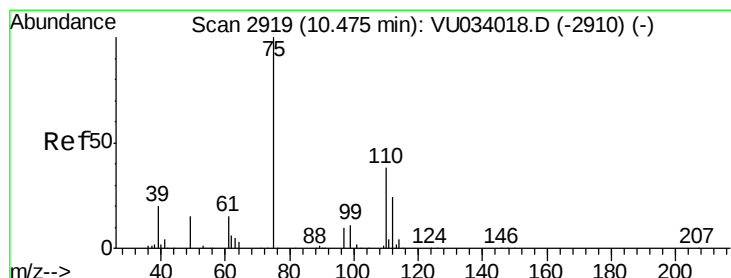
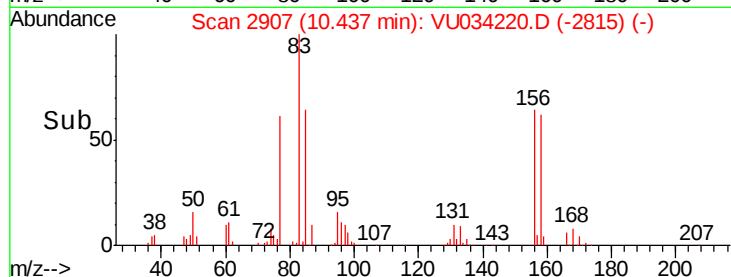
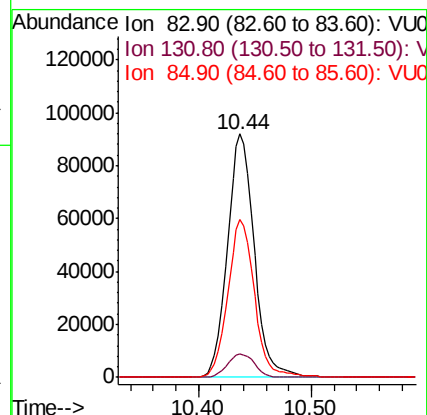
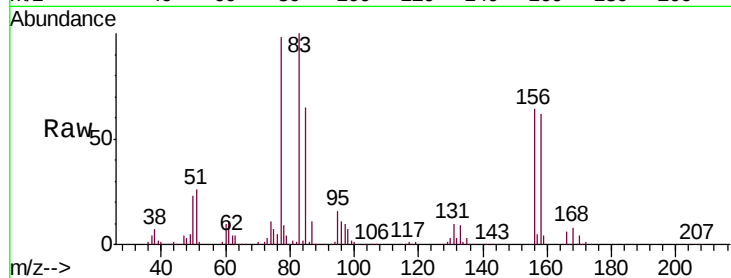
Tgt Ion: 83 Resp: 151419

Ion Ratio Lower Upper

83 100

131 9.8 5.0 14.9

85 64.5 32.2 96.6



#76

1,2,3-Trichloropropane

Concen: 22.972 ug/l

RT: 10.48 min Scan# 2919

Delta R.T. 0.00 min

Lab File: VU034220.D

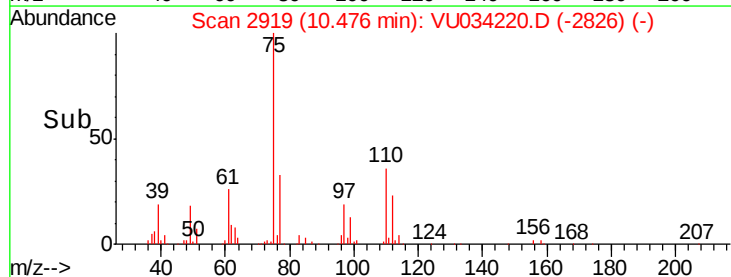
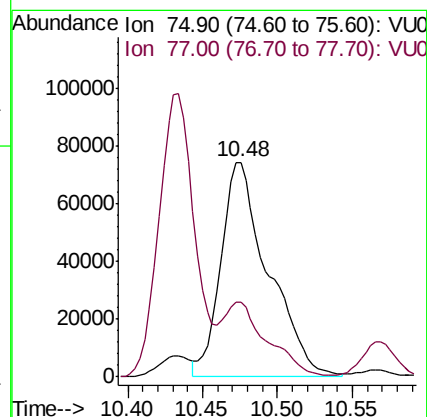
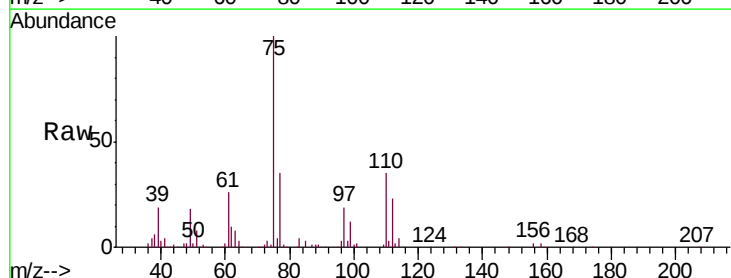
Acq: 03 Sep 2019 12:18

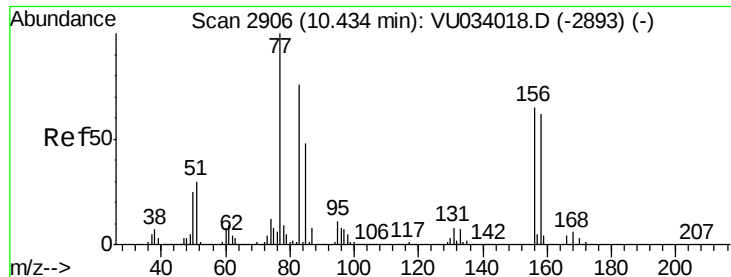
Tgt Ion: 75 Resp: 162734

Ion Ratio Lower Upper

75 100

77 32.3 20.1 60.2





#77

Bromobenzene

Concen: 18.805 ug/l

RT: 10.43 min Scan# 2906

Delta R.T. 0.00 min

Lab File: VU034220.D

Acq: 03 Sep 2019 12:18

Instrument :

MSVOA_U

ClientSampleId :

VU0904MBS01

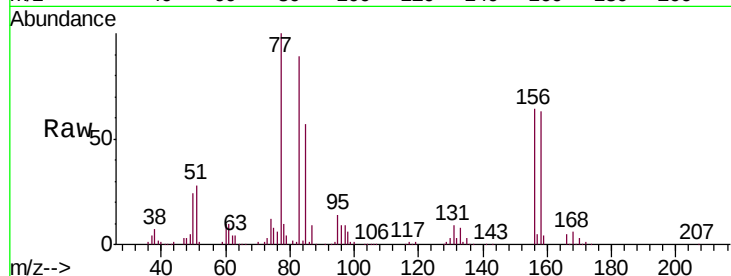
Tgt Ion:156 Resp: 106797

Ion Ratio Lower Upper

156 100

77 153.9 76.8 230.5

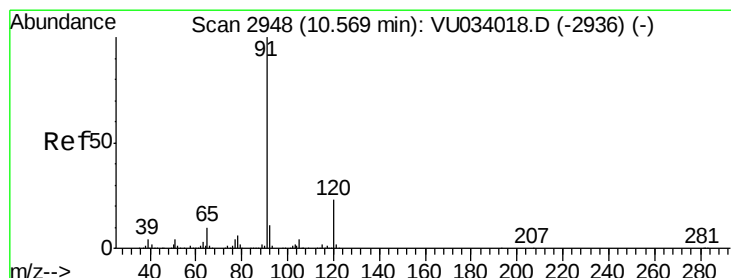
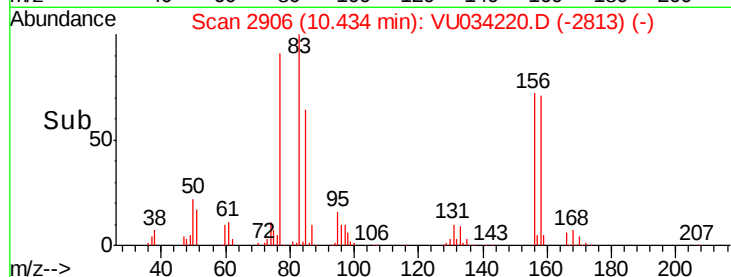
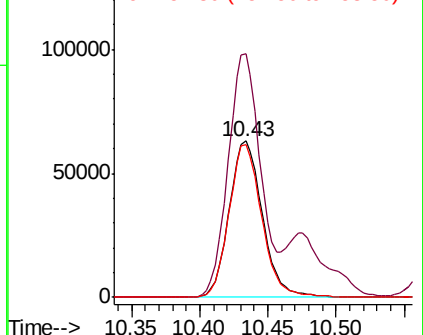
158 96.9 48.4 145.0



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VU0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 18.723 ug/l

RT: 10.57 min Scan# 2948

Delta R.T. 0.00 min

Lab File: VU034220.D

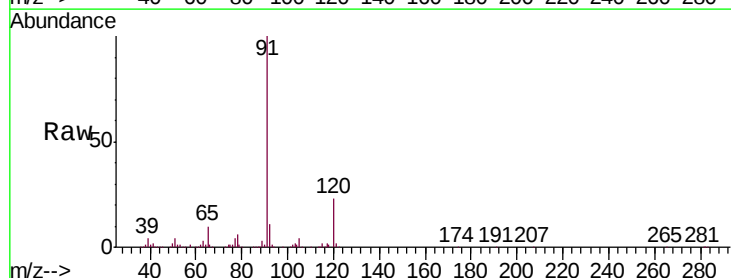
Acq: 03 Sep 2019 12:18

Tgt Ion: 91 Resp: 460335

Ion Ratio Lower Upper

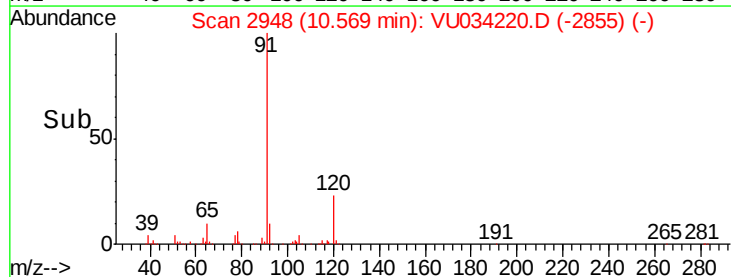
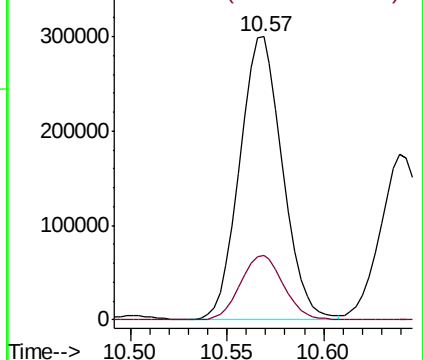
91 100

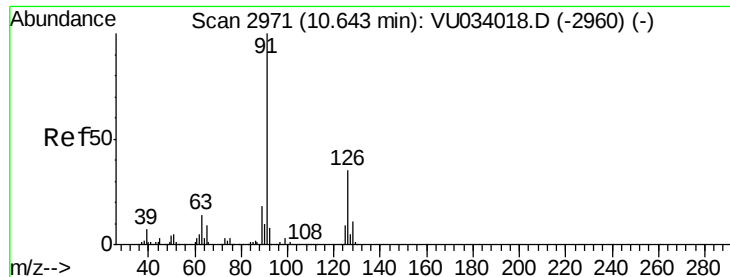
120 23.0 11.7 35.0



Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 18.937 ug/l

RT: 10.64 min Scan# 2970

Delta R.T. -0.00 min

Lab File: VU034220.D

Acq: 03 Sep 2019 12:18

Instrument :

MSVOA_U

ClientSampleId :

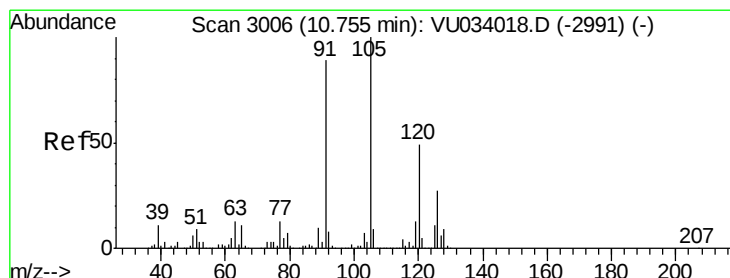
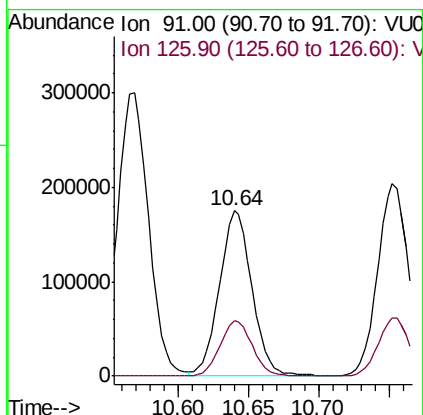
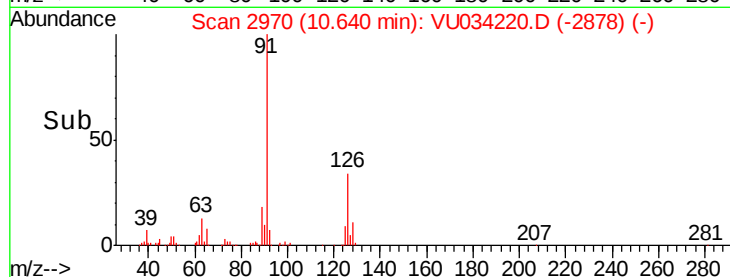
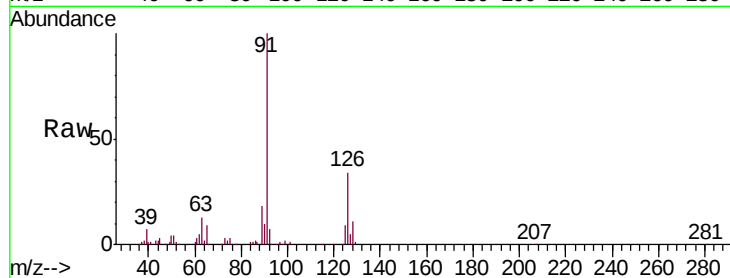
VU0904MBS01

Tgt Ion: 91 Resp: 279269

Ion Ratio Lower Upper

91 100

126 33.8 17.1 51.2



#80

1,3,5-Trimethylbenzene

Concen: 19.182 ug/l

RT: 10.75 min Scan# 3005

Delta R.T. -0.00 min

Lab File: VU034220.D

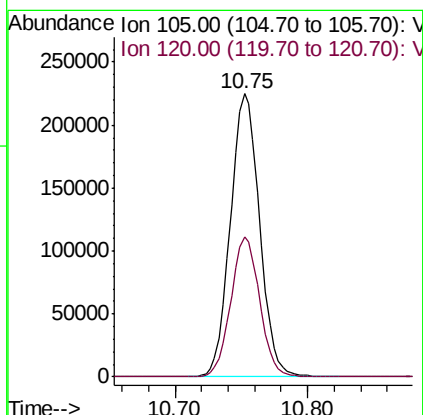
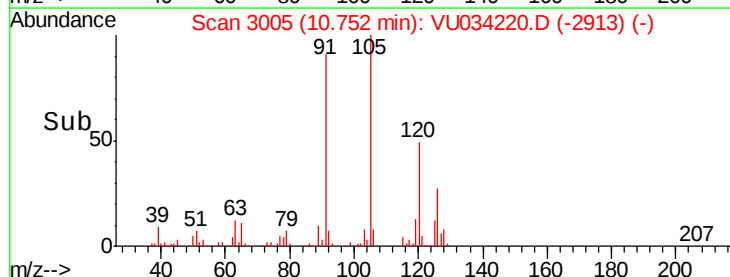
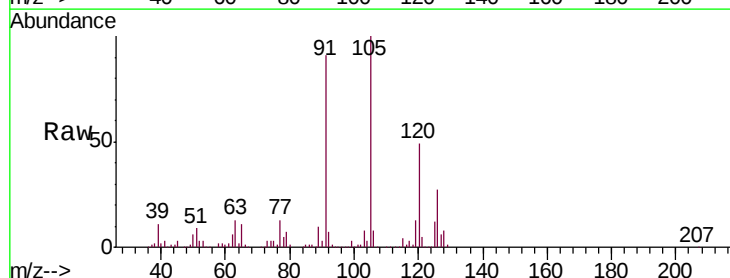
Acq: 03 Sep 2019 12:18

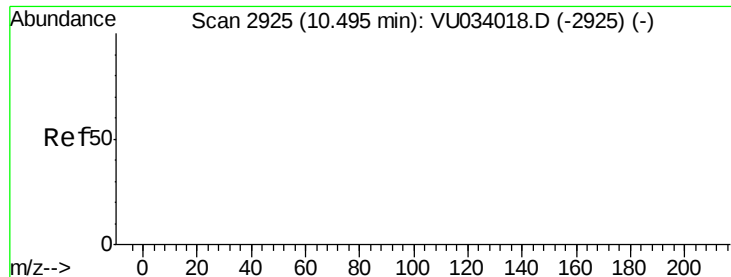
Tgt Ion: 105 Resp: 343231

Ion Ratio Lower Upper

105 100

120 49.1 24.6 73.6





#81

trans-1,4-Dichloro-2-butene

Concen: 77.699 ug/l

RT: 10.48 min Scan# 2919

Delta R.T. -0.02 min

Lab File: VU034220.D

Acq: 03 Sep 2019 12:18

Instrument :

MSVOA_U

ClientSampleId :

VU0904MBS01

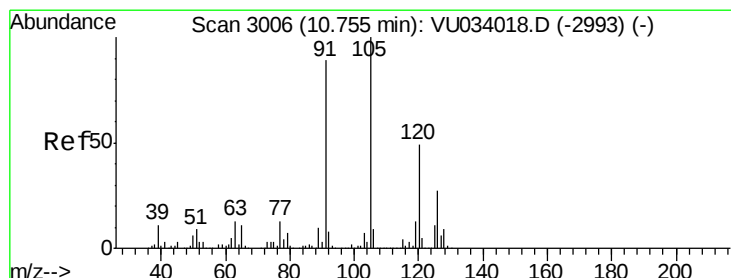
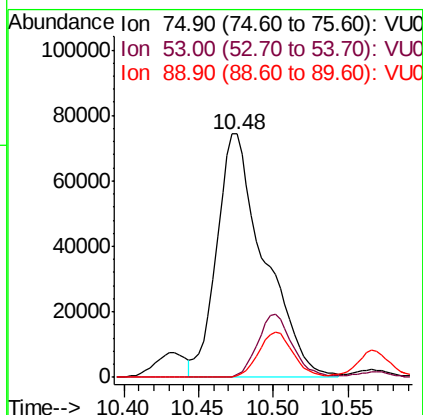
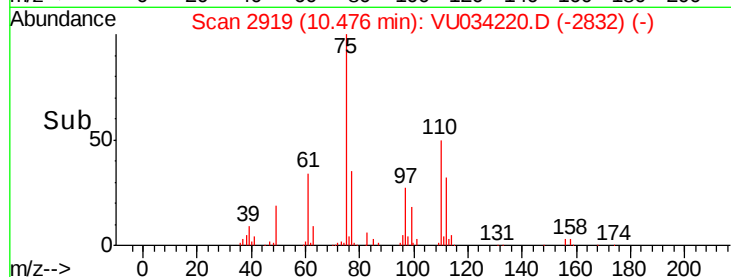
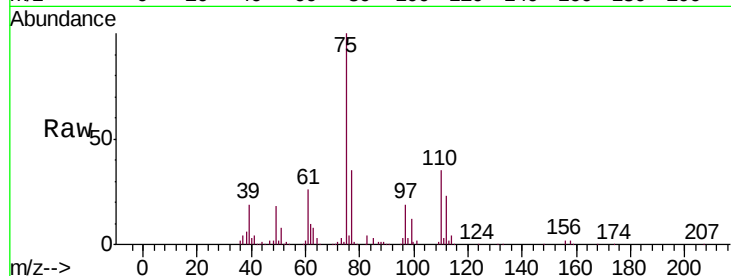
Tgt Ion: 75 Resp: 163463

Ion Ratio Lower Upper

75 100

53 0.0 0.0 0.0

89 0.0 0.0 0.0



#82

4-Chlorotoluene

Concen: 18.976 ug/l

RT: 10.75 min Scan# 3005

Delta R.T. -0.00 min

Lab File: VU034220.D

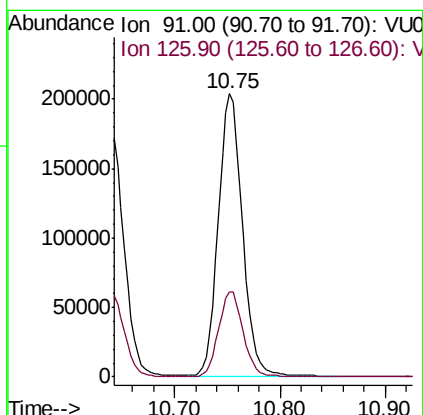
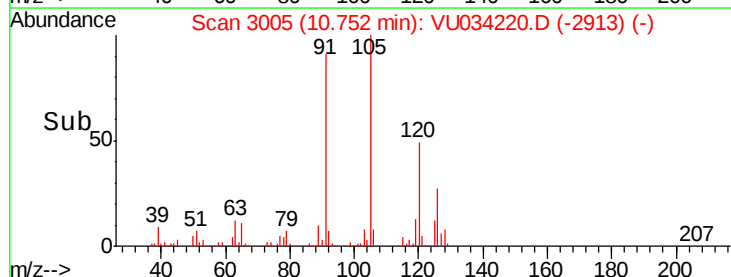
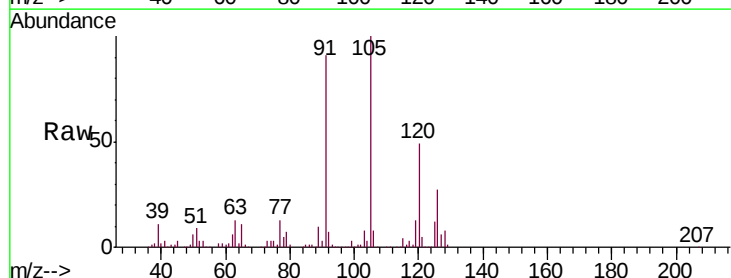
Acq: 03 Sep 2019 12:18

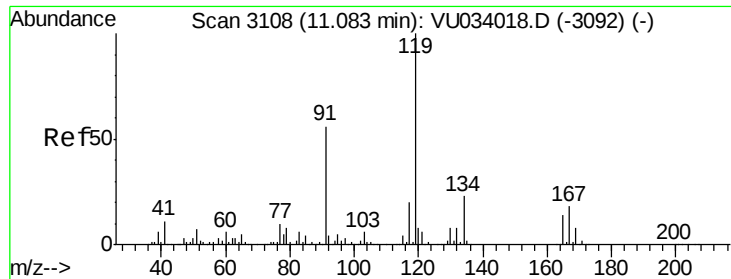
Tgt Ion: 91 Resp: 321848

Ion Ratio Lower Upper

91 100

126 30.4 15.0 45.1

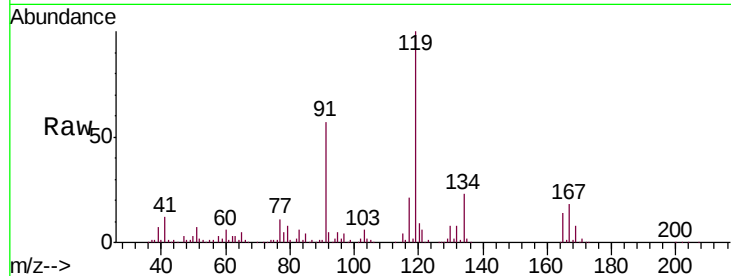




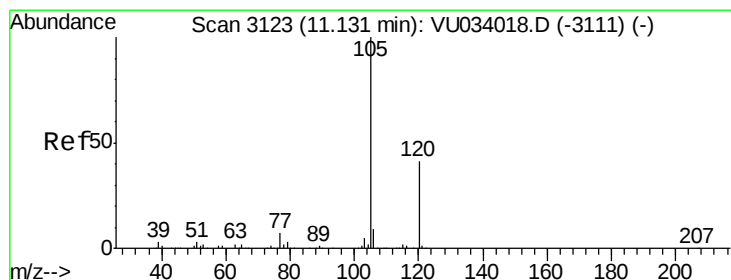
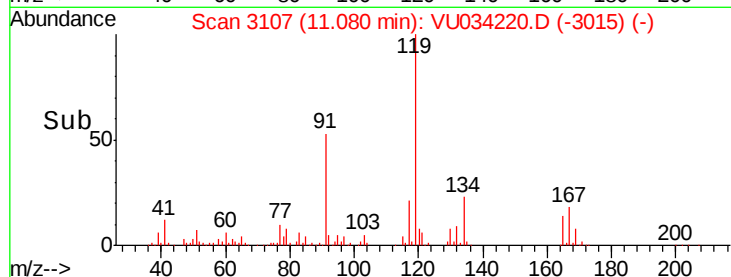
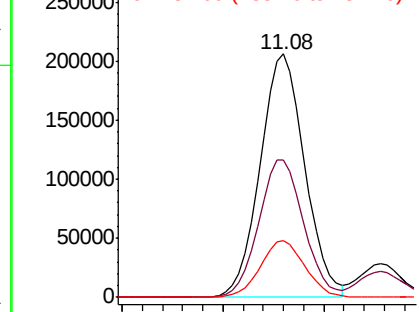
#83
 tert-Butylbenzene
 Concen: 18.047 ug/l
 RT: 11.08 min Scan# 3107
 Delta R.T. -0.00 min
 Lab File: VU034220.D
 Acq: 03 Sep 2019 12:18

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0904MBS01

Tgt Ion:119 Resp: 317894
 Ion Ratio Lower Upper
 119 100
 91 56.7 27.9 83.6
 134 23.2 11.4 34.2

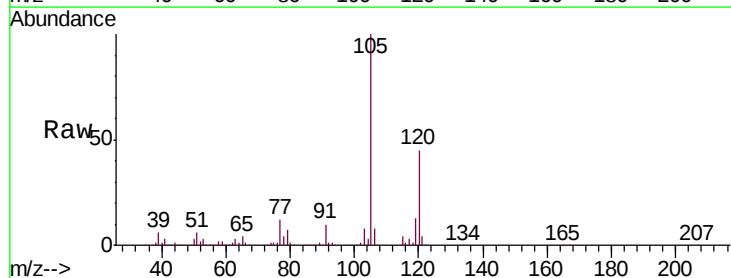


Abundance Ion 119.00 (118.70 to 119.70): V
 Ion 91.00 (90.70 to 91.70): VU
 Ion 134.00 (133.70 to 134.70): V

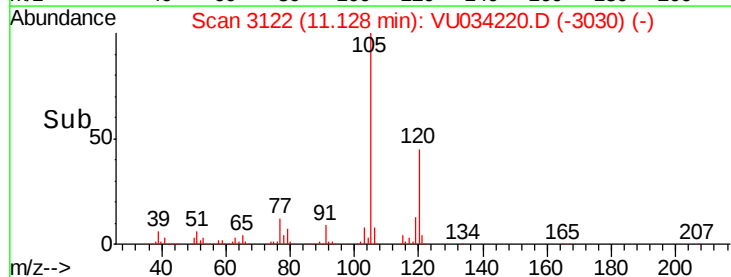
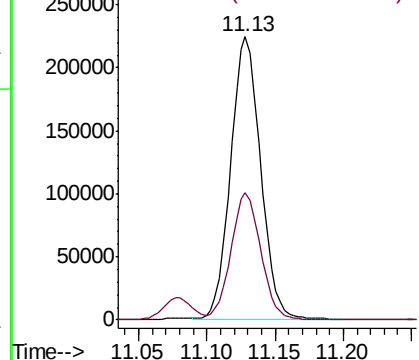


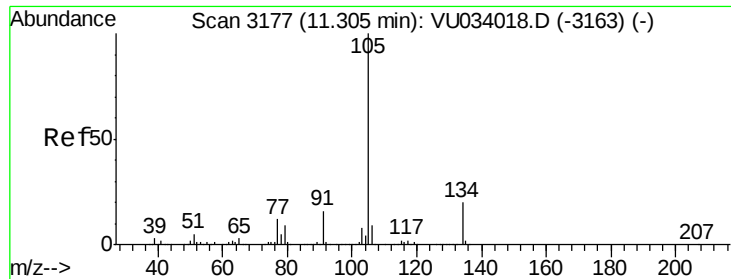
#84
 1,2,4-Trimethylbenzene
 Concen: 19.230 ug/l
 RT: 11.13 min Scan# 3122
 Delta R.T. -0.00 min
 Lab File: VU034220.D
 Acq: 03 Sep 2019 12:18

Tgt Ion:105 Resp: 341675
 Ion Ratio Lower Upper
 105 100
 120 45.0 22.6 67.8



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

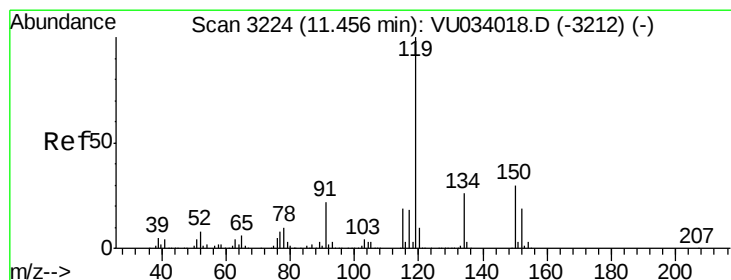
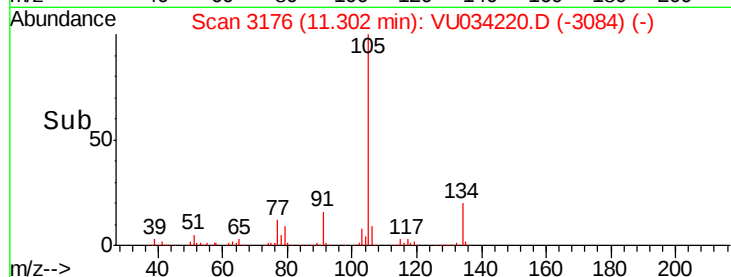
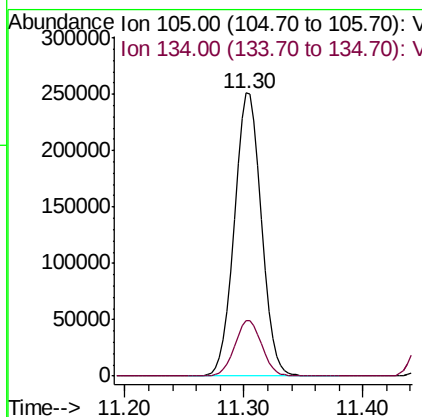
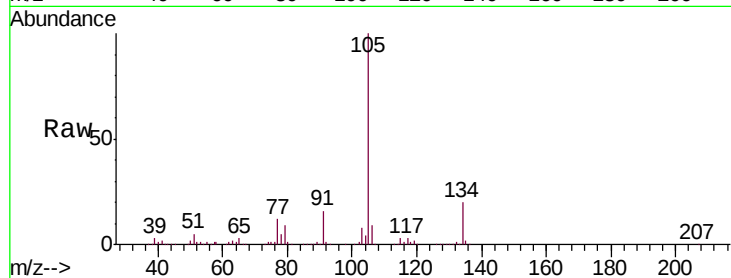




#85
 sec-Butylbenzene
 Concen: 18.644 ug/l
 RT: 11.30 min Scan# 3176
 Delta R.T. -0.00 min
 Lab File: VU034220.D
 Acq: 03 Sep 2019 12:18

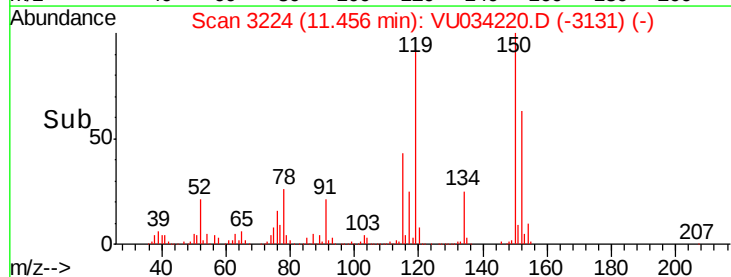
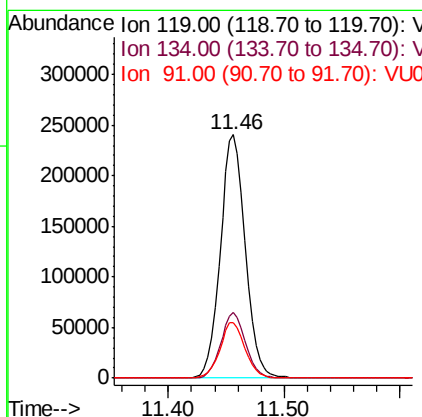
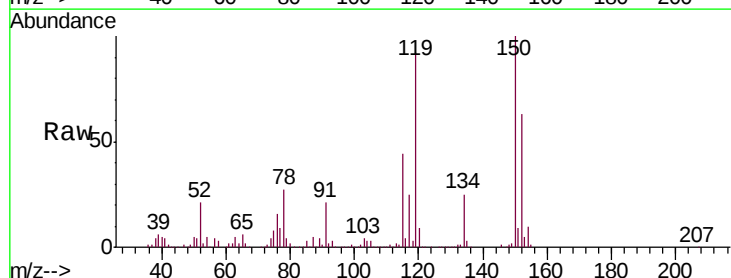
Instrument :
 MSVOA_U
 ClientSampleId :
 VU0904MBS01

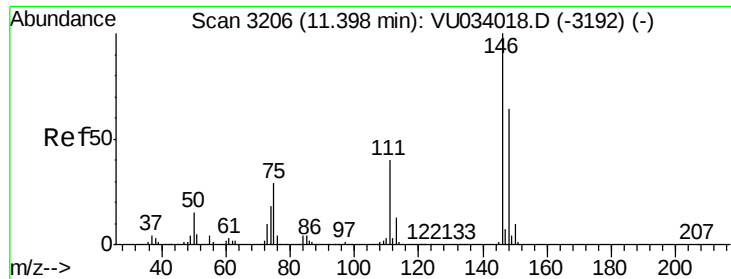
Tgt Ion:105 Resp: 393619
 Ion Ratio Lower Upper
 105 100
 134 19.8 10.0 30.0



#86
 p-Isopropyltoluene
 Concen: 18.731 ug/l
 RT: 11.46 min Scan# 3224
 Delta R.T. 0.00 min
 Lab File: VU034220.D
 Acq: 03 Sep 2019 12:18

Tgt Ion:119 Resp: 357657
 Ion Ratio Lower Upper
 119 100
 134 27.0 13.1 39.1
 91 22.9 11.2 33.6

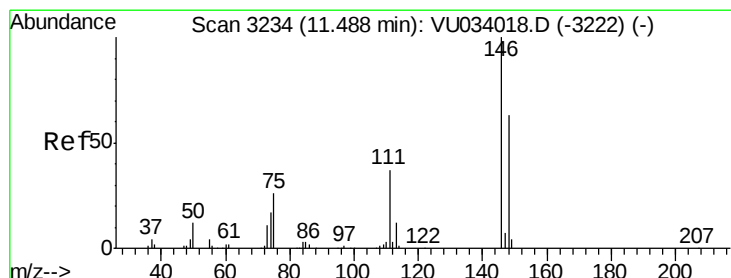
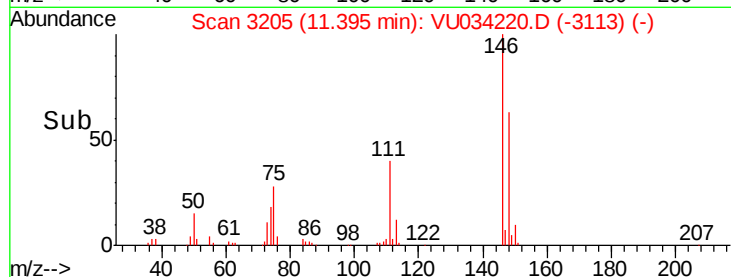
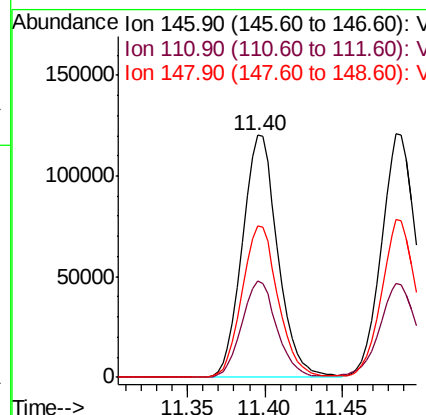
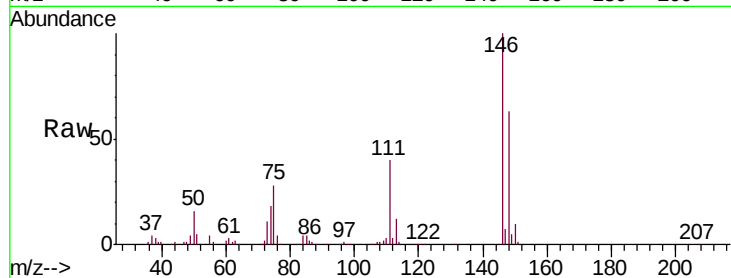




#87
 1,3-Dichlorobenzene
 Concen: 19.069 ug/l
 RT: 11.40 min Scan# 3205
 Delta R.T. -0.00 min
 Lab File: VU034220.D
 Acq: 03 Sep 2019 12:18

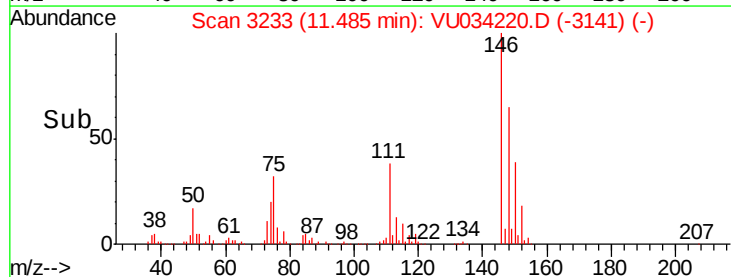
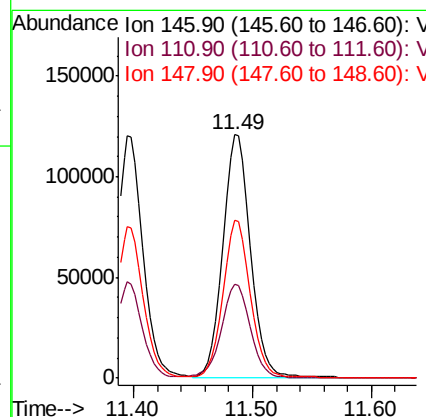
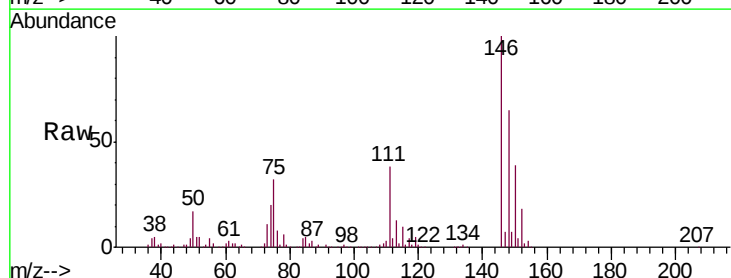
Instrument :
 MSVOA_U
 ClientSampleId :
 VU0904MBS01

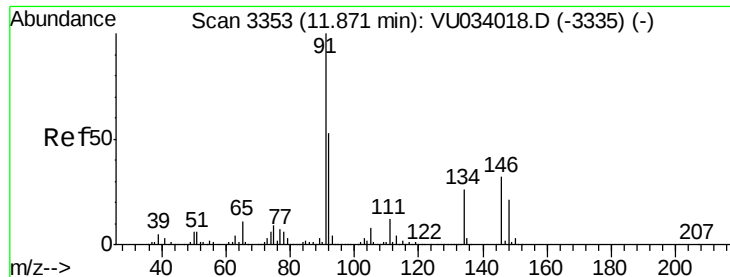
Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.3	19.9	59.6
148	63.8	31.9	95.5



#88
 1,4-Dichlorobenzene
 Concen: 19.039 ug/l
 RT: 11.49 min Scan# 3233
 Delta R.T. -0.00 min
 Lab File: VU034220.D
 Acq: 03 Sep 2019 12:18

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.4	19.2	57.6
148	64.1	31.9	95.9





#89

n-Butylbenzene

Concen: 18.286 ug/l

RT: 11.87 min Scan# 3352

Delta R.T. -0.00 min

Lab File: VU034220.D

Acq: 03 Sep 2019 12:18

Instrument :

MSVOA_U

ClientSampleId :

VU0904MBS01

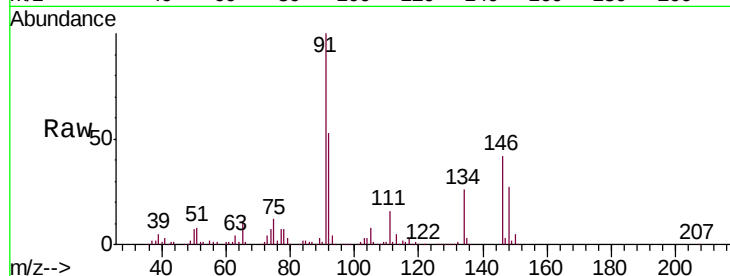
Tgt Ion: 91 Resp: 307833

Ion Ratio Lower Upper

91 100

92 52.2 26.3 78.9

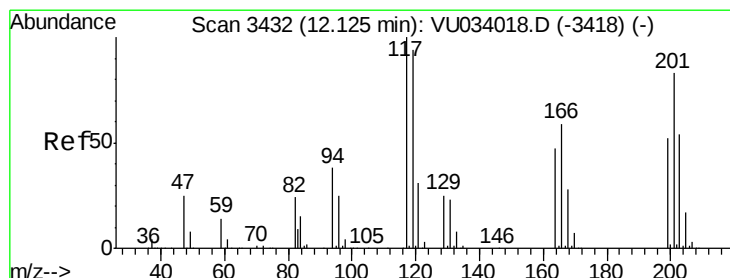
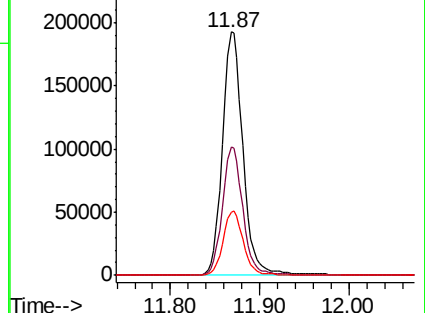
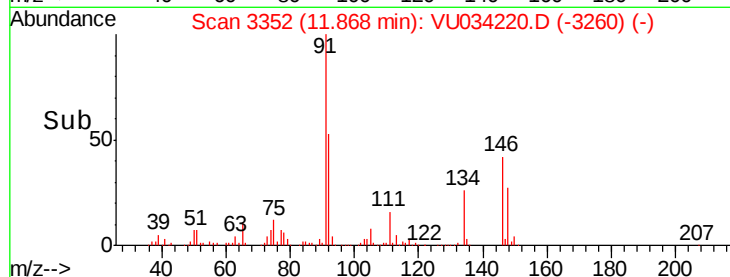
134 26.0 12.9 38.7



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

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

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



#90

Hexachloroethane

Concen: 15.934 ug/l

RT: 12.12 min Scan# 3431

Delta R.T. -0.00 min

Lab File: VU034220.D

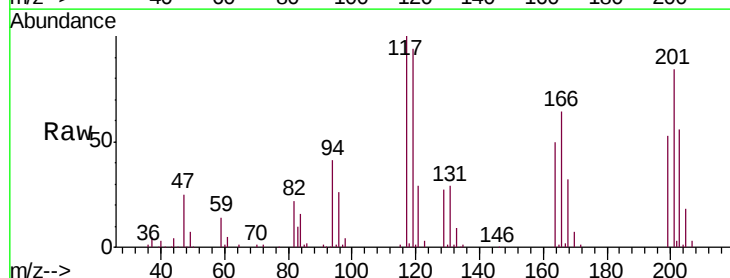
Acq: 03 Sep 2019 12:18

Tgt Ion: 117 Resp: 52602

Ion Ratio Lower Upper

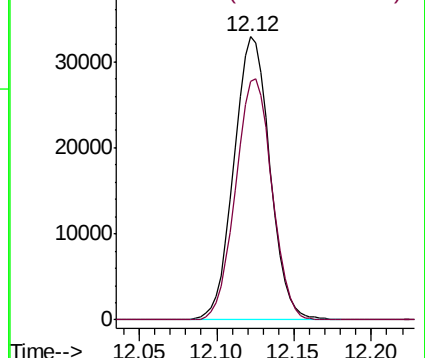
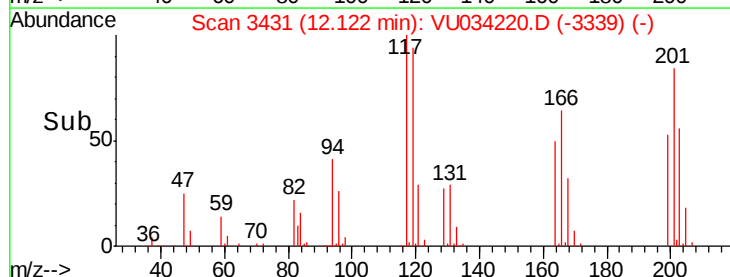
117 100

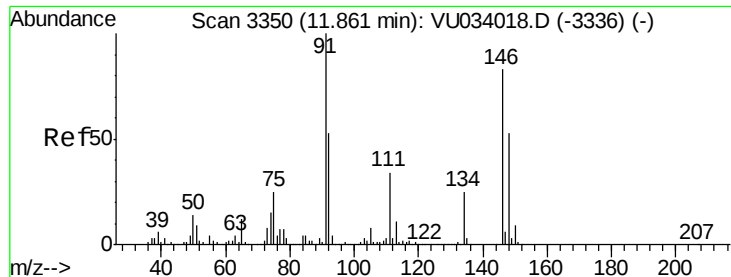
201 86.7 42.5 127.6



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

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





#91

1,2-Dichlorobenzene

Concen: 19.450 ug/l

RT: 11.86 min Scan# 3349

Delta R.T. -0.00 min

Lab File: VU034220.D

Acq: 03 Sep 2019 12:18

Instrument :

MSVOA_U

ClientSampleId :

VU0904MBS01

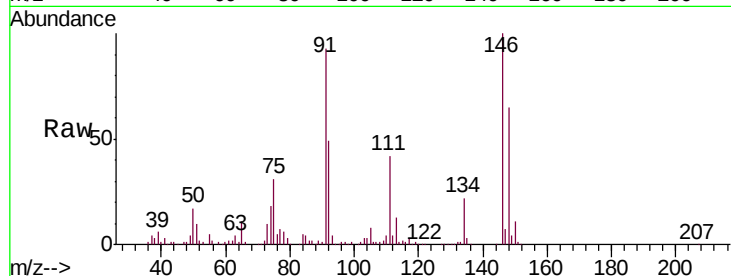
Tgt Ion:146 Resp: 187330

Ion Ratio Lower Upper

146 100

111 41.1 20.4 61.2

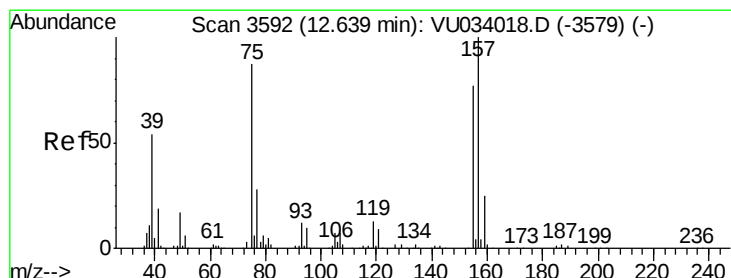
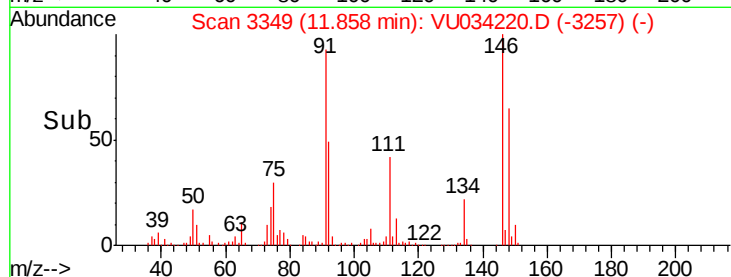
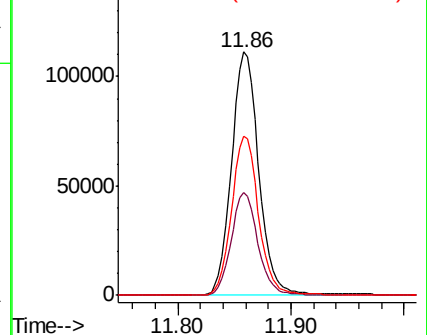
148 64.5 32.3 96.8



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: 17.778 ug/l

RT: 12.64 min Scan# 3592

Delta R.T. 0.00 min

Lab File: VU034220.D

Acq: 03 Sep 2019 12:18

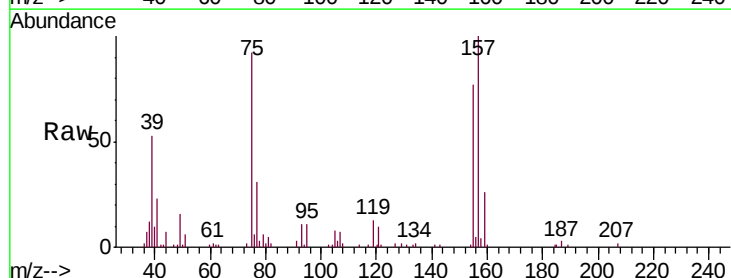
Tgt Ion: 75 Resp: 28619

Ion Ratio Lower Upper

75 100

155 88.8 43.5 130.7

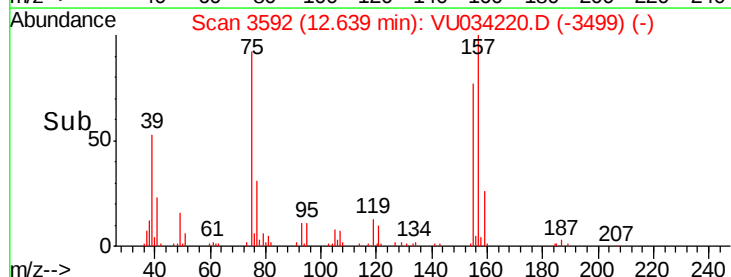
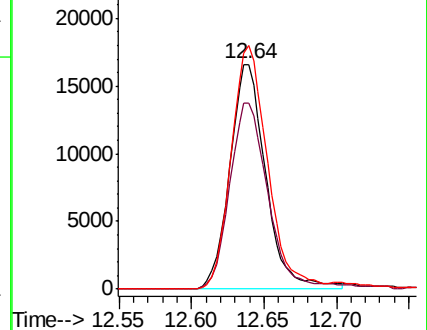
157 109.6 56.9 170.6

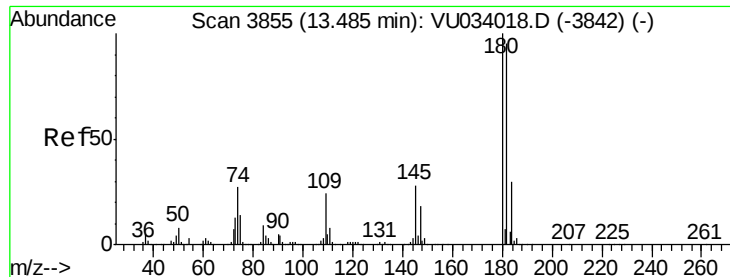


Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V





#93

1,2,4-Trichlorobenzene

Concen: 17.163 ug/l

RT: 13.49 min Scan# 3855

Delta R.T. 0.00 min

Lab File: VU034220.D

Acq: 03 Sep 2019 12:18

Instrument :

MSVOA_U

ClientSampleId :

VU0904MBS01

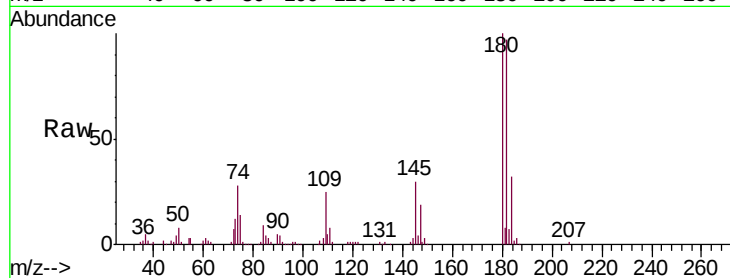
Tgt Ion:180 Resp: 112450

Ion Ratio Lower Upper

180 100

182 97.1 47.4 142.2

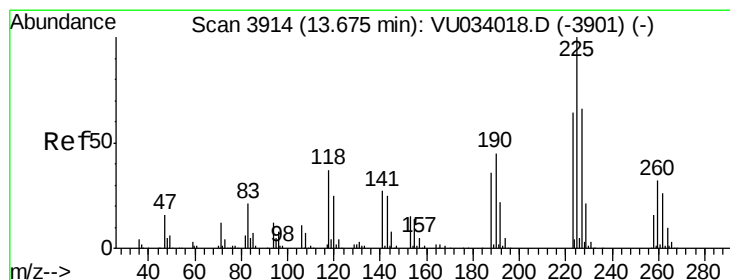
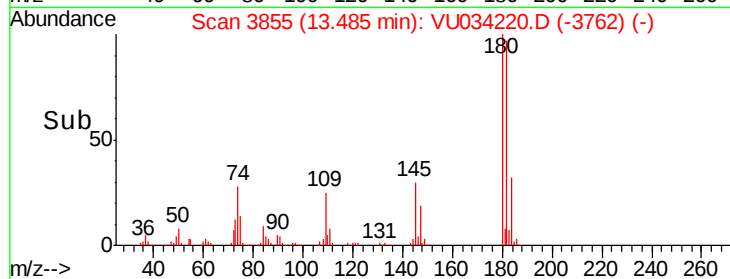
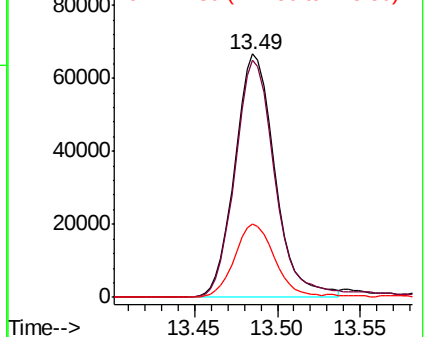
145 30.0 14.1 42.3



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#94

Hexachlorobutadiene

Concen: 16.559 ug/l

RT: 13.67 min Scan# 3913

Delta R.T. -0.00 min

Lab File: VU034220.D

Acq: 03 Sep 2019 12:18

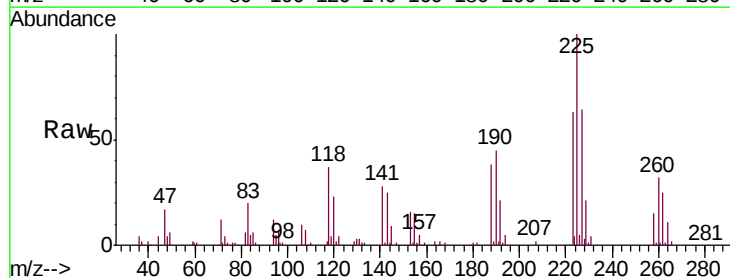
Tgt Ion:225 Resp: 62388

Ion Ratio Lower Upper

225 100

223 63.1 31.8 95.3

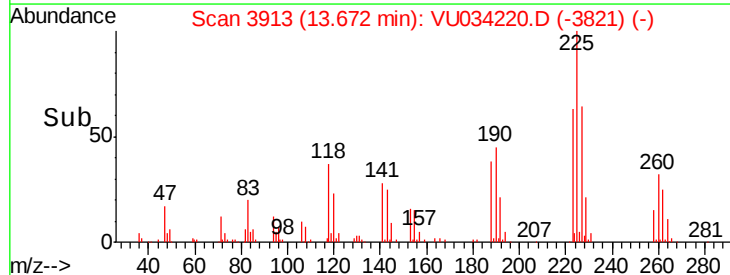
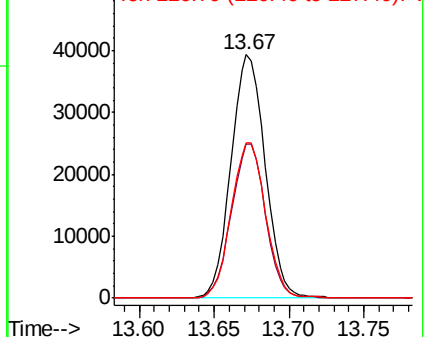
227 64.4 32.6 97.8

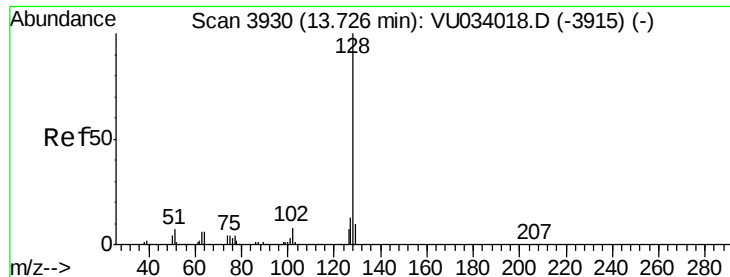


Abundance Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V





#95

Naphthalene

Concen: 17.485 ug/l

RT: 13.73 min Scan# 3930

Delta R.T. 0.00 min

Lab File: VU034220.D

Acq: 03 Sep 2019 12:18

Instrument :

MSVOA_U

ClientSampleId :

VU0904MBS01

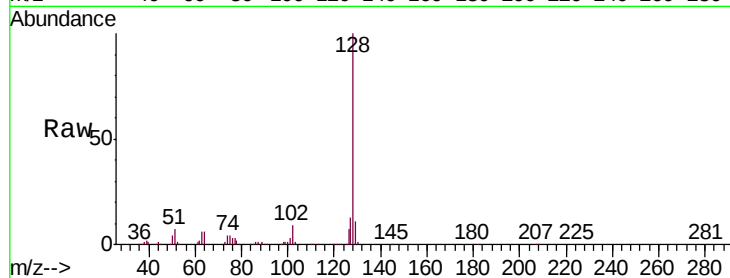
Tgt Ion:128 Resp: 319343

Ion Ratio Lower Upper

128 100

127 12.3 10.2 15.4

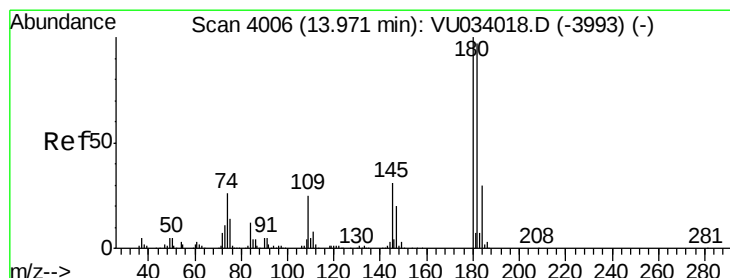
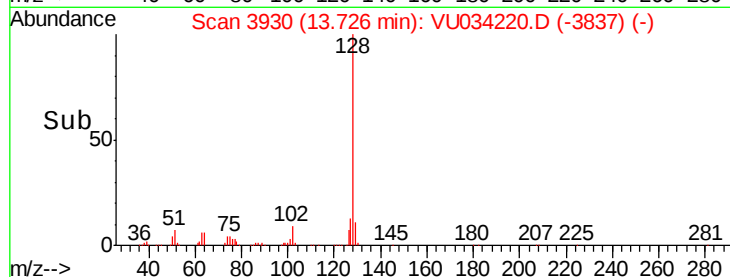
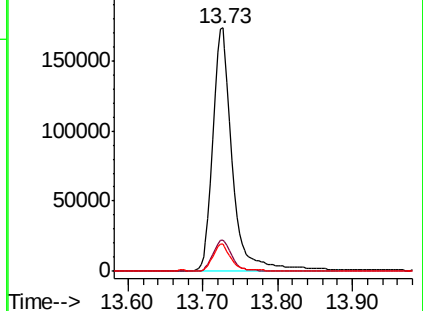
129 10.3 8.4 12.6



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 19.409 ug/l

RT: 13.97 min Scan# 4006

Delta R.T. 0.00 min

Lab File: VU034220.D

Acq: 03 Sep 2019 12:18

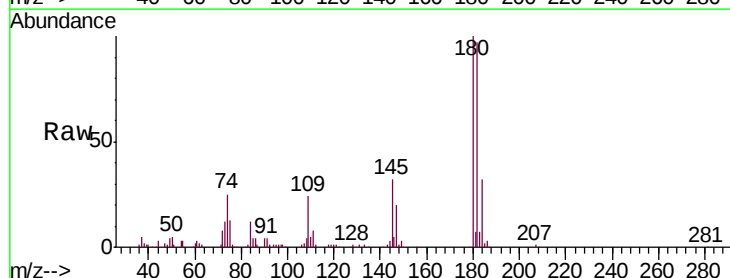
Tgt Ion:180 Resp: 119748

Ion Ratio Lower Upper

180 100

182 95.6 48.2 144.6

145 30.2 15.5 46.5



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

