

Data File : VU034223.D
Acq On : 03 Sep 2019 13:28
Operator : JC/SP
Sample : VU0904MBSD01
Misc : 5.00g/10mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VU0904MBSD01

Quant Time: Sep 04 04:21:54 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U082919W.M
Quant Title : SW846 8260
QLast Update : Thu Aug 29 04:11:12 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.96	168	383635	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.87	114	615554	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.07	117	590642	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.46	152	324023	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.29	65	234103	47.62	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.24%	
35) Dibromofluoromethane	4.86	113	200479	46.96	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.92%	
50) Toluene-d8	7.55	98	769678	48.15	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.30%	
62) 4-Bromofluorobenzene	10.29	95	285128	45.85	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.70%	

Target Compounds				Qvalue		
2) Dichlorodifluoromethane	1.20	85	67323	17.449	ug/l	98
3) Chloromethane	1.32	50	88858	15.815	ug/l	100
4) Vinyl Chloride	1.40	62	89919	17.510	ug/l	100
5) Bromomethane	1.62	94	51903	17.186	ug/l	98
6) Chloroethane	1.69	64	55369	17.637	ug/l	100
7) Trichlorofluoromethane	1.88	101	110986	18.653	ug/l	99
8) Diethyl Ether	2.10	74	49002	19.251	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	2.28	101	70847	18.795	ug/l	98
10) Methyl Iodide	2.40	142	55778	10.431	ug/l	98
11) Tert butyl alcohol	2.81	59	91138	80.398	ug/l	100
12) 1,1-Dichloroethene	2.27	96	71990	18.745	ug/l	97
13) Acrolein	2.19	56	21905	45.935	ug/l	94
14) Allyl chloride	2.58	41	117502	16.272	ug/l	95
15) Acrylonitrile	2.92	53	250100	96.148	ug/l	98
16) Acetone	2.31	43	205861	82.075	ug/l	97
17) Carbon Disulfide	2.47	76	196004	16.125	ug/l	99
18) Methyl Acetate	2.60	43	120976	18.665	ug/l	100
19) Methyl tert-butyl Ether	2.98	73	246650	19.601	ug/l	100
20) Methylene Chloride	2.69	84	87404	18.407	ug/l	99
21) trans-1,2-Dichloroethene	2.97	96	76598	18.377	ug/l	98
22) Diisopropyl ether	3.55	45	260151	19.661	ug/l	93
23) Vinyl Acetate	3.51	43	1068549	94.009	ug/l	100
24) 1,1-Dichloroethane	3.43	63	151179	19.352	ug/l	99
25) 2-Butanone	4.24	43	316718	90.762	ug/l	98
26) 2,2-Dichloropropane	4.21	77	114552	18.021	ug/l	98
27) cis-1,2-Dichloroethene	4.20	96	88439	18.904	ug/l	98
28) Bromochloromethane	4.53	49	79932	20.768	ug/l	99
29) Tetrahydrofuran	4.62	42	205368	95.431	ug/l	99
30) Chloroform	4.65	83	149172	19.139	ug/l	99
31) Cyclohexane	4.97	56	127355	17.350	ug/l	93
32) 1,1,1-Trichloroethane	4.89	97	121853	19.089	ug/l	99
36) 1,1-Dichloropropene	5.12	75	103444	17.767	ug/l	100
37) Ethyl Acetate	4.36	43	115499	17.715	ug/l	99
38) Carbon Tetrachloride	5.12	117	105304	18.737	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.40	83	116755	17.014	ug/l	98
40) Benzene	5.37	78	328889	18.670	ug/l	100
41) Methacrylonitrile	4.52	41	62538	18.703	ug/l	98
42) 1,2-Dichloroethane	5.39	62	113509	18.660	ug/l	98
43) Isopropyl Acetate	5.53	43	180132	18.160	ug/l	100
44) Trichloroethene	6.17	130	87771	18.974	ug/l	99
45) 1,2-Dichloropropane	6.41	63	93483	19.278	ug/l	99
46) Dibromomethane	6.54	93	57382	18.367	ug/l	97
47) Bromodichloromethane	6.74	83	115519	18.899	ug/l	99
48) Methyl methacrylate	6.60	41	83729	17.493	ug/l	98
49) 1,4-Dioxane	6.60	88	33999	283.492	ug/l	99
51) 4-Methyl-2-Pentanone	7.44	43	613825	89.606	ug/l	100
52) Toluene	7.62	92	206103	18.993	ug/l	99
53) t-1,3-Dichloropropene	7.86	75	118195	17.427	ug/l	99
54) cis-1,3-Dichloropropene	7.25	75	134470	18.148	ug/l	98
55) 1,1,2-Trichloroethane	8.05	97	85218	18.565	ug/l	98
56) Ethyl methacrylate	8.00	69	120405	16.478	ug/l	99
57) 1,3-Dichloropropane	8.22	76	144667	18.562	ug/l	100
58) 2-Chloroethyl Vinyl ether	7.11	63	195327	76.918	ug/l	100
59) 2-Hexanone	8.34	43	460161	88.983	ug/l	98
60) Dibromochloromethane	8.46	129	91898	18.651	ug/l	98
61) 1,2-Dibromoethane	8.57	107	87493	18.095	ug/l	99
64) Tetrachloroethene	8.21	164	77572	19.557	ug/l	98
65) Chlorobenzene	9.10	112	227292	18.700	ug/l	99
66) 1,1,1,2-Tetrachloroethane	9.19	131	80365	18.234	ug/l	99
67) Ethyl Benzene	9.23	91	381662	18.524	ug/l	100
68) m/p-Xylenes	9.36	106	294148	37.545	ug/l	100
69) o-Xylene	9.76	106	140539	18.698	ug/l	100
70) Styrene	9.77	104	244985	19.009	ug/l	99
71) Bromoform	9.94	173	67615	17.657	ug/l #	100
73) Isopropylbenzene	10.15	105	379792	17.450	ug/l	100
74) N-amyl acetate	10.00	43	151335	16.532	ug/l	99
75) 1,1,2,2-Tetrachloroethane	10.44	83	145362	17.450	ug/l	99
76) 1,2,3-Trichloropropane	10.48	75	155410	21.281	ug/l	88
77) Bromobenzene	10.43	156	103018	17.596	ug/l	98
78) n-propylbenzene	10.57	91	448365	17.689	ug/l	99
79) 2-Chlorotoluene	10.64	91	275272	18.106	ug/l	99
80) 1,3,5-Trimethylbenzene	10.75	105	331559	17.974	ug/l	99
81) trans-1,4-Dichloro-2-buten	10.48	75	156336	72.084	ug/l #	100
82) 4-Chlorotoluene	10.75	91	315984	18.072	ug/l	100
83) tert-Butylbenzene	11.08	119	312067	17.185	ug/l	100
84) 1,2,4-Trimethylbenzene	11.13	105	327921	17.902	ug/l	99
85) sec-Butylbenzene	11.30	105	384278	17.656	ug/l	100
86) p-Isopropyltoluene	11.46	119	347136	17.635	ug/l	99
87) 1,3-Dichlorobenzene	11.40	146	187398	18.080	ug/l	99
88) 1,4-Dichlorobenzene	11.49	146	189802	18.107	ug/l	99
89) n-Butylbenzene	11.87	91	296568	17.088	ug/l	100
90) Hexachloroethane	12.12	117	50951	14.971	ug/l	100
91) 1,2-Dichlorobenzene	11.86	146	182500	18.381	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.64	75	28081	16.921	ug/l	97

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

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Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.49	180	110397	16.398	ug/l	99
94) Hexachlorobutadiene	13.67	225	60407	15.552	ug/l	97
95) Naphthalene	13.73	128	299113	16.050	ug/l	99
96) 1,2,3-Trichlorobenzene	13.97	180	114184	17.953	ug/l	98

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

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ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VU0904MBSD01

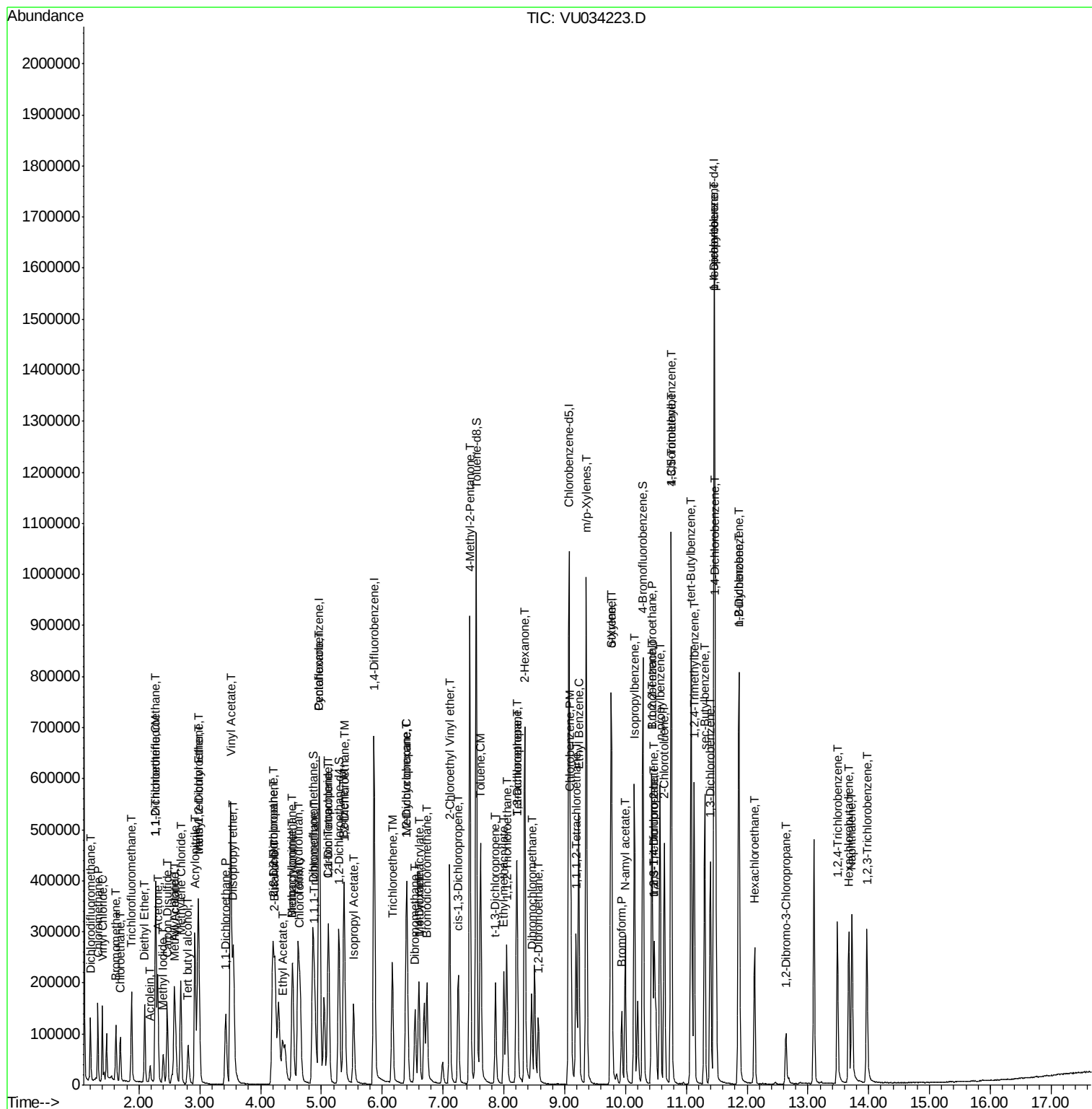
Quant Time: Sep 04 04:21:54 2019

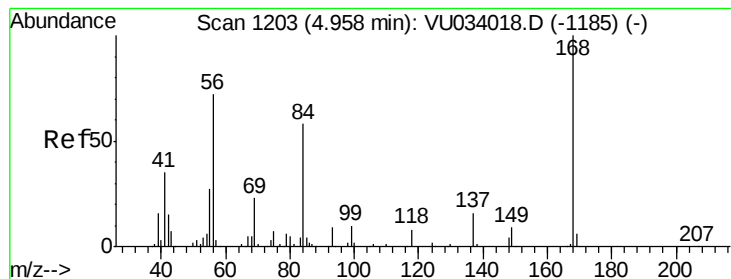
Quant Method : Z:\V0ASRV\HPCHEM1\MSV0A_U\METHOD\82U082919W.M

Quant Title : SW846 8260

QLast Update : Thu Aug 29 04:11:12 2019

Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.96 min Scan# 1204

Delta R.T. 0.00 min

Lab File: VU034223.D

Acq: 03 Sep 2019 13:28

Instrument :

MSVOA_U

ClientSampleId :

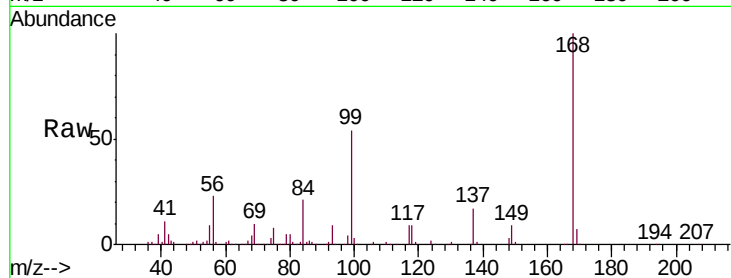
VU0904MBSD01

Tgt Ion:168 Resp: 383635

Ion Ratio Lower Upper

168 100

99 53.1 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

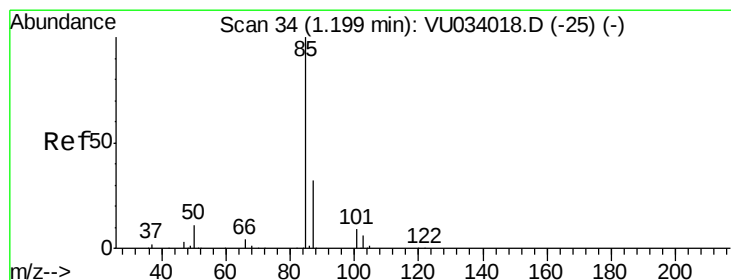
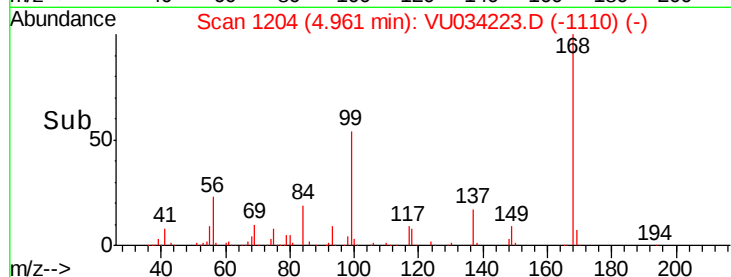
100000

50000

0

4.90 5.00 5.10

Time-->



#2

Dichlorodifluoromethane

Concen: 17.449 ug/l

RT: 1.20 min Scan# 35

Delta R.T. 0.00 min

Lab File: VU034223.D

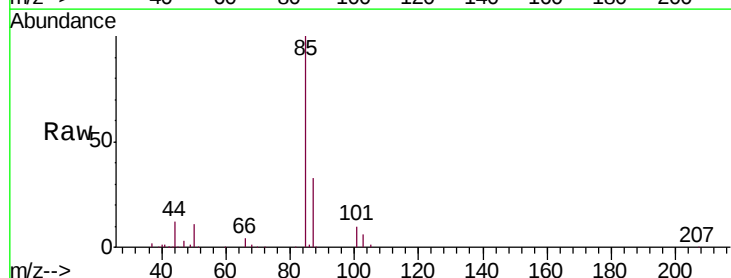
Acq: 03 Sep 2019 13:28

Tgt Ion: 85 Resp: 67323

Ion Ratio Lower Upper

85 100

87 33.1 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

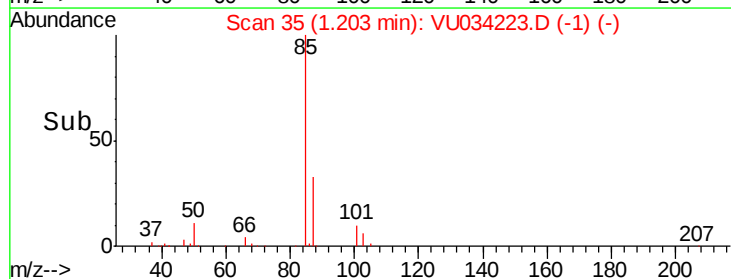
40000

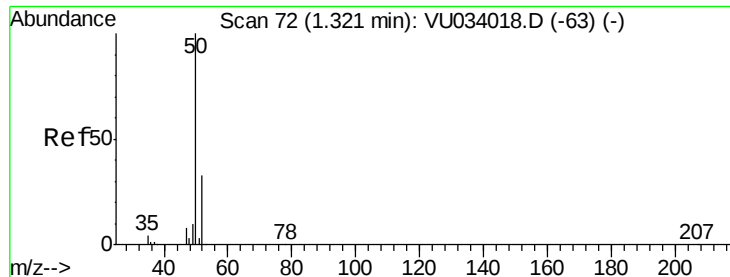
20000

0

1.15 1.20 1.25

Time-->





#3

Chloromethane

Concen: 15.815 ug/l

RT: 1.32 min Scan# 73

Delta R.T. 0.00 min

Lab File: VU034223.D

Acq: 03 Sep 2019 13:28

Instrument :

MSVOA_U

ClientSampleId :

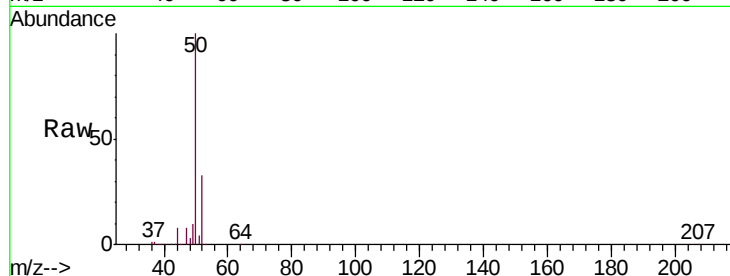
VU0904MBSD01

Tgt Ion: 50 Resp: 88858

Ion Ratio Lower Upper

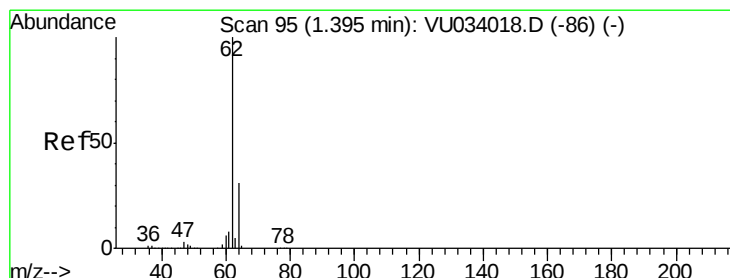
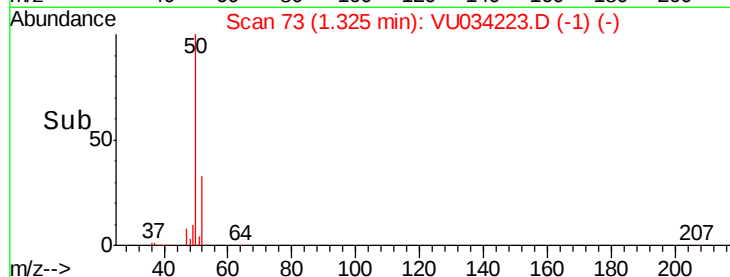
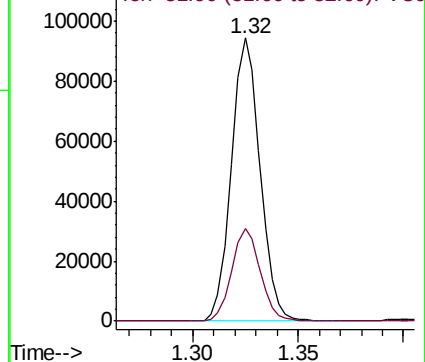
50 100

52 32.7 26.2 39.4



Abundance Ion 49.90 (49.60 to 50.60): VU0

Ion 51.90 (51.60 to 52.60): VU0



#4

Vinyl Chloride

Concen: 17.510 ug/l

RT: 1.40 min Scan# 96

Delta R.T. 0.00 min

Lab File: VU034223.D

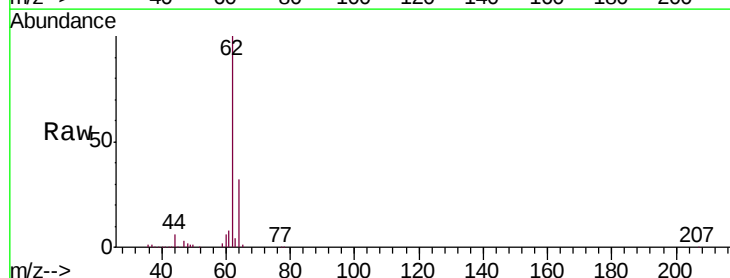
Acq: 03 Sep 2019 13:28

Tgt Ion: 62 Resp: 89919

Ion Ratio Lower Upper

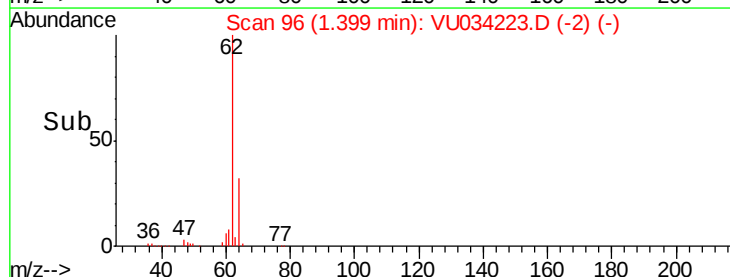
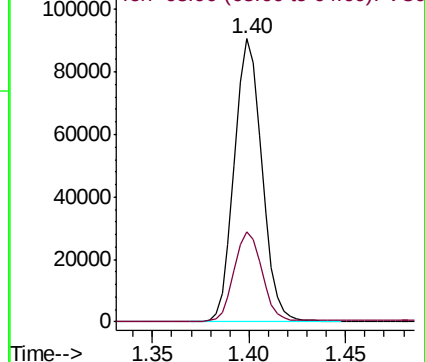
62 100

64 31.6 25.0 37.6



Abundance Ion 61.90 (61.60 to 62.60): VU0

Ion 63.90 (63.60 to 64.60): VU0





#5

Bromomethane

Concen: 17.186 ug/l

RT: 1.62 min Scan# 165

Delta R.T. 0.02 min

Lab File: VU034223.D

Acq: 03 Sep 2019 13:28

Instrument :

MSVOA_U

ClientSampleId :

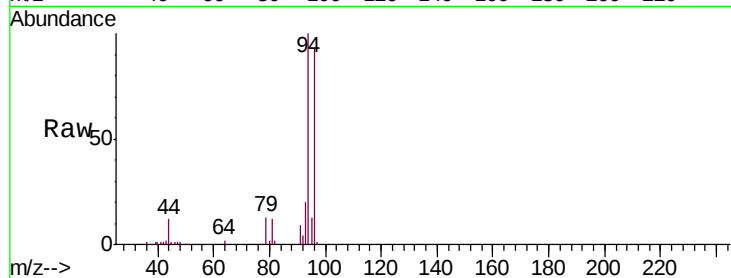
VU0904MBSD01

Tgt Ion: 94 Resp: 51903

Ion Ratio Lower Upper

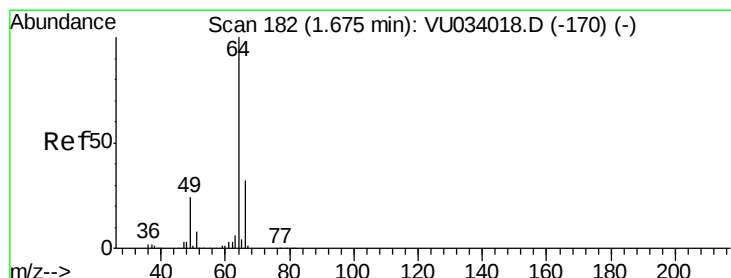
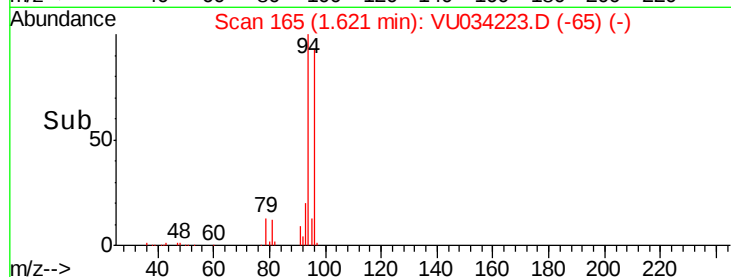
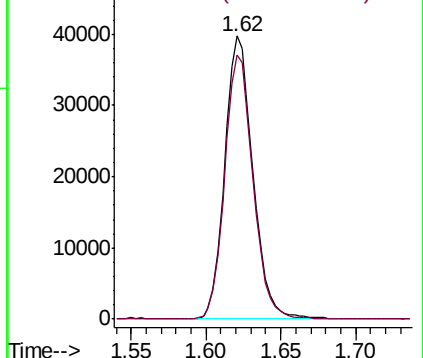
94 100

96 93.4 76.3 114.5



Abundance Ion 93.90 (93.60 to 94.60): VU0

Ion 95.90 (95.60 to 96.60): VU0



#6

Chloroethane

Concen: 17.637 ug/l

RT: 1.69 min Scan# 188

Delta R.T. 0.02 min

Lab File: VU034223.D

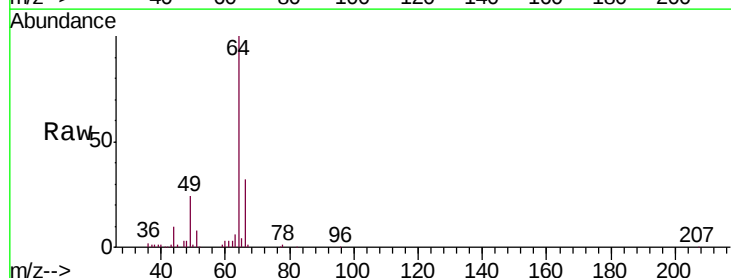
Acq: 03 Sep 2019 13:28

Tgt Ion: 64 Resp: 55369

Ion Ratio Lower Upper

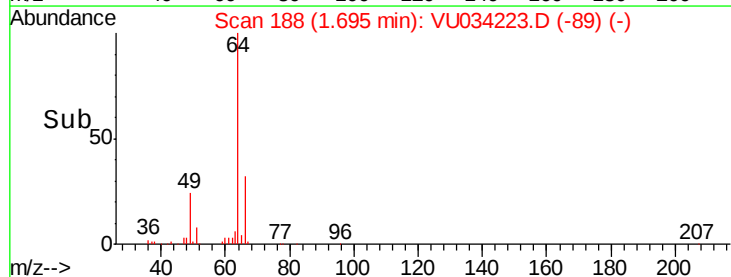
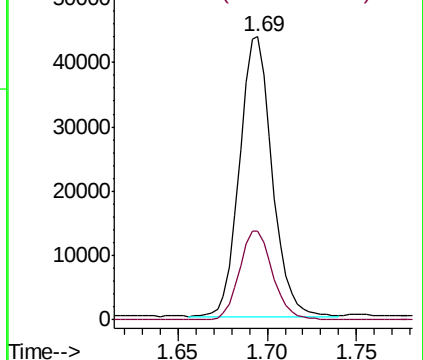
64 100

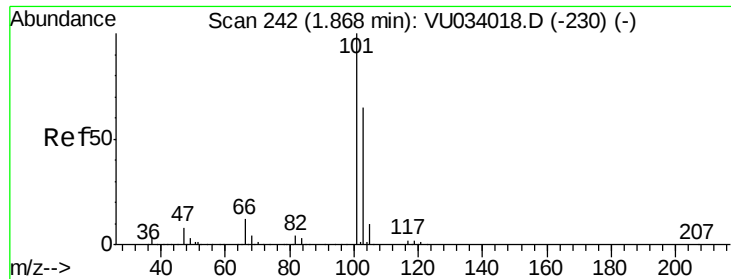
66 32.0 25.5 38.3



Abundance Ion 63.90 (63.60 to 64.60): VU0

Ion 65.90 (65.60 to 66.60): VU0



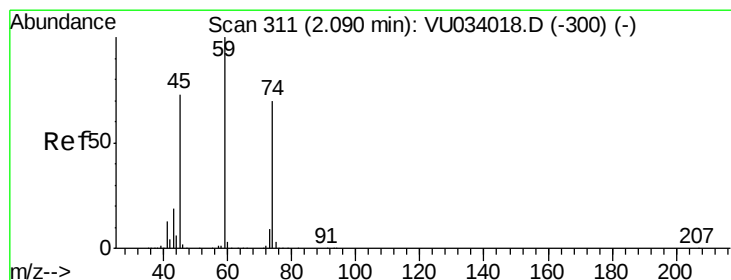
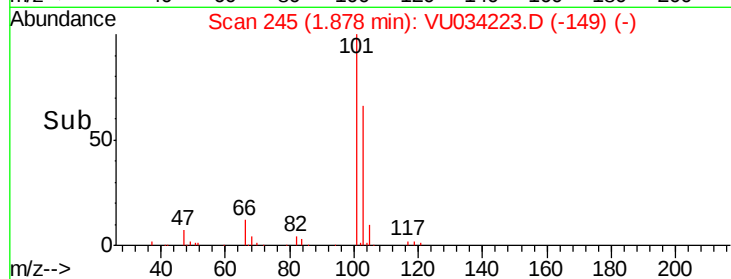
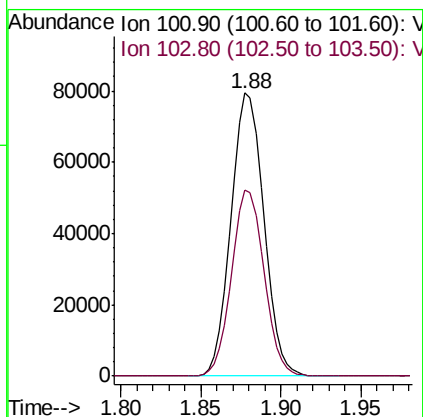
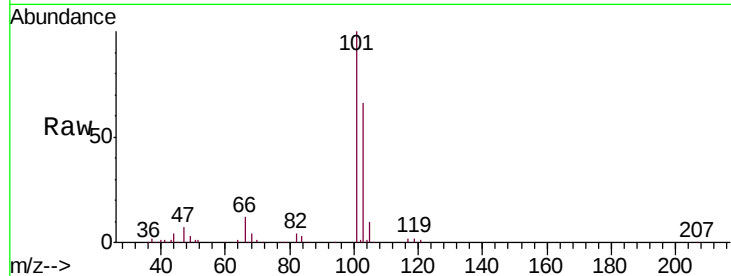


#7

Trichlorofluoromethane
 Concen: 18.653 ug/l
 RT: 1.88 min Scan# 245
 Delta R.T. 0.01 min
 Lab File: VU034223.D
 Acq: 03 Sep 2019 13:28

Instrument :
 MSVOA_U
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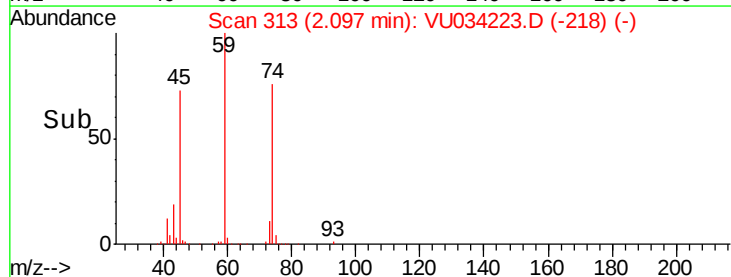
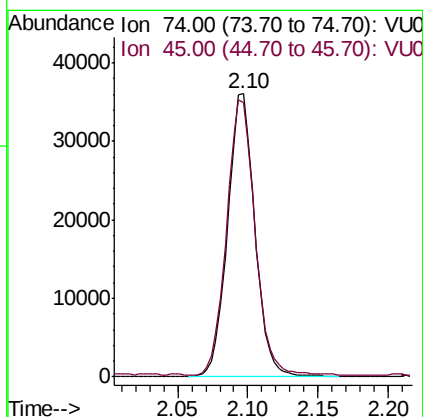
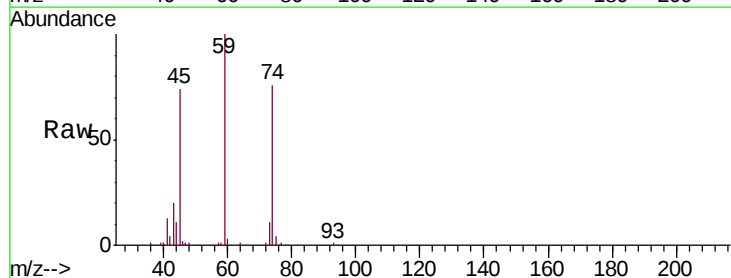
Tgt Ion:101 Resp: 110986
 Ion Ratio Lower Upper
 101 100
 103 65.6 52.1 78.1

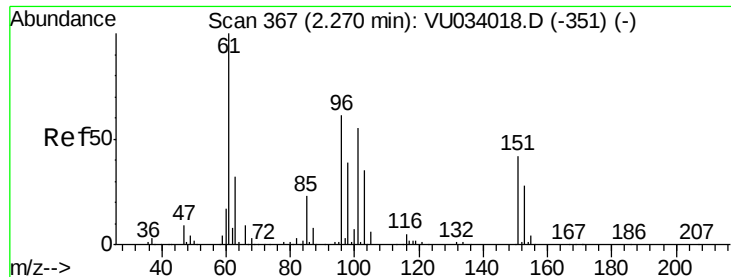


#8

Diethyl Ether
 Concen: 19.251 ug/l
 RT: 2.10 min Scan# 313
 Delta R.T. 0.01 min
 Lab File: VU034223.D
 Acq: 03 Sep 2019 13:28

Tgt Ion: 74 Resp: 49002
 Ion Ratio Lower Upper
 74 100
 45 100.8 51.8 155.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 18.795 ug/l

RT: 2.28 min Scan# 369

Delta R.T. 0.01 min

Lab File: VU034223.D

Acq: 03 Sep 2019 13:28

Instrument :

MSVOA_U

ClientSampleId :

VU0904MBSD01

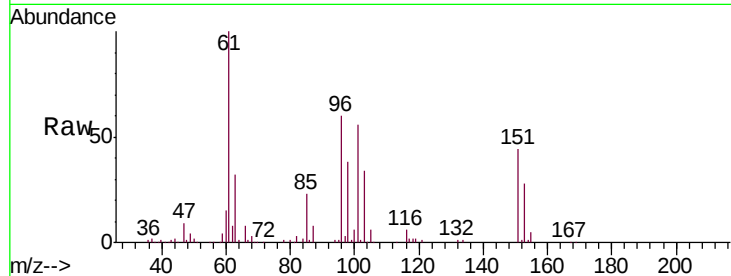
Tgt Ion:101 Resp: 70847

Ion Ratio Lower Upper

101 100

85 42.2 34.2 51.2

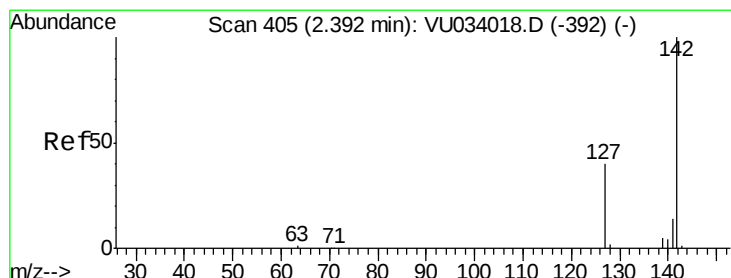
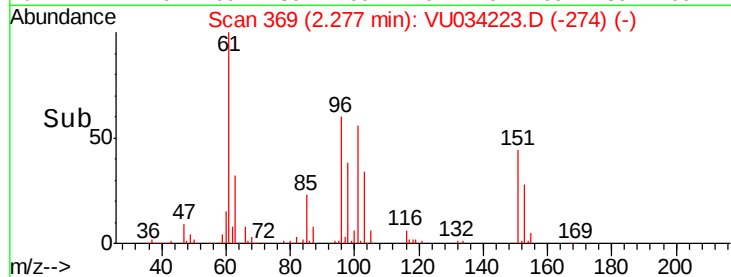
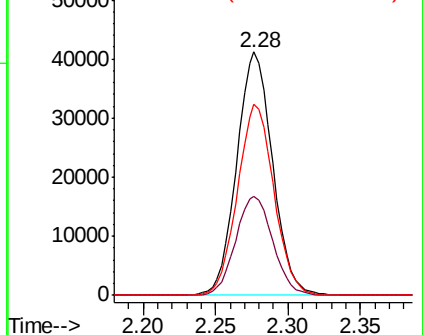
151 79.7 61.4 92.2



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 10.431 ug/l

RT: 2.40 min Scan# 408

Delta R.T. 0.01 min

Lab File: VU034223.D

Acq: 03 Sep 2019 13:28

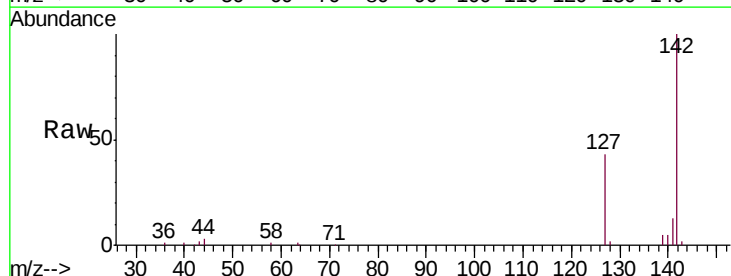
Tgt Ion:142 Resp: 55778

Ion Ratio Lower Upper

142 100

127 42.2 32.6 48.8

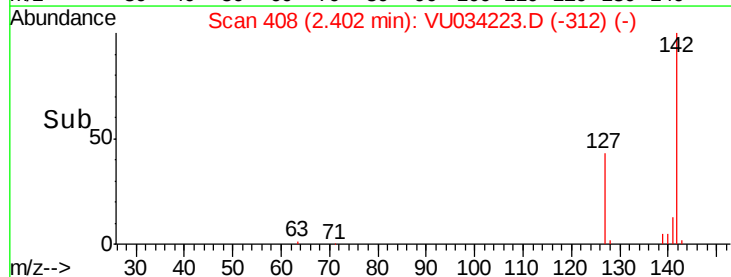
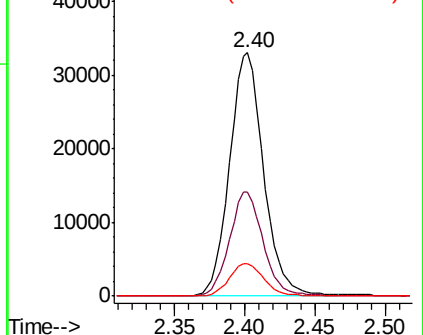
141 13.5 11.3 16.9

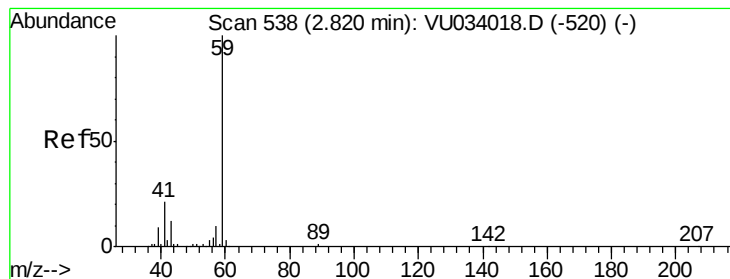


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#11

Tert butyl alcohol

Concen: 80.398 ug/l

RT: 2.81 min Scan# 534

Delta R.T. -0.01 min

Lab File: VU034223.D

Acq: 03 Sep 2019 13:28

Instrument :

MSVOA_U

ClientSampleId :

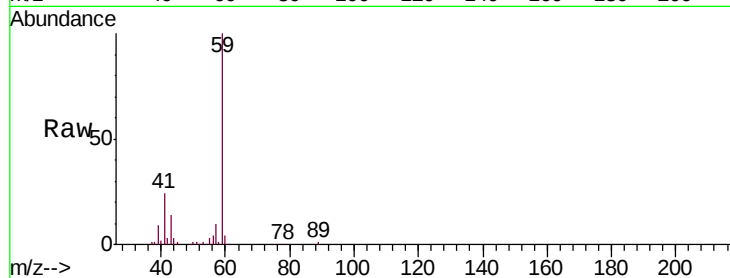
VU0904MBSD01

Tgt Ion: 59 Resp: 91138

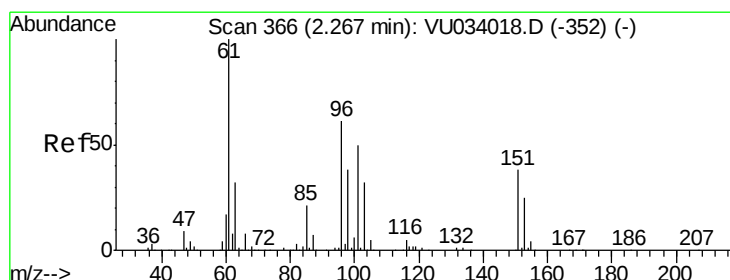
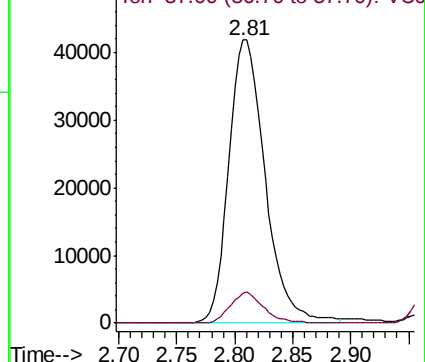
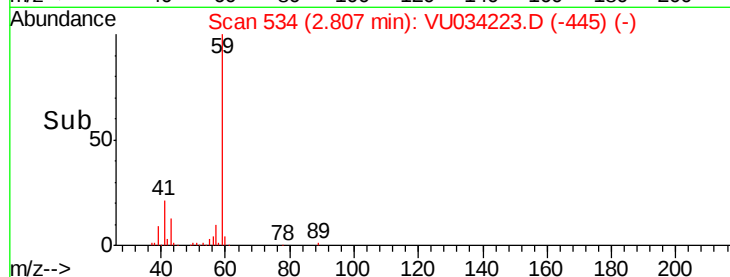
Ion Ratio Lower Upper

59 100

57 10.1 8.0 12.0



Abundance Ion 59.00 (58.70 to 59.70): VU034223.D (-445) (-)



#12

1,1-Dichloroethene

Concen: 18.745 ug/l

RT: 2.27 min Scan# 368

Delta R.T. 0.01 min

Lab File: VU034223.D

Acq: 03 Sep 2019 13:28

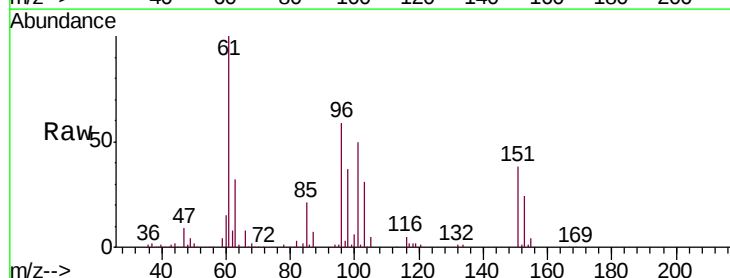
Tgt Ion: 96 Resp: 71990

Ion Ratio Lower Upper

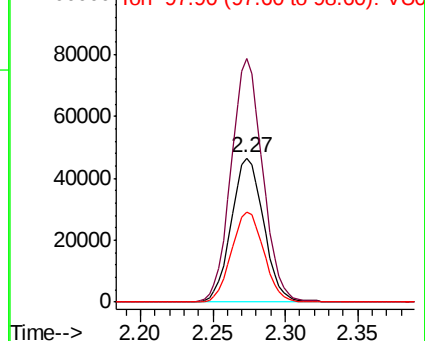
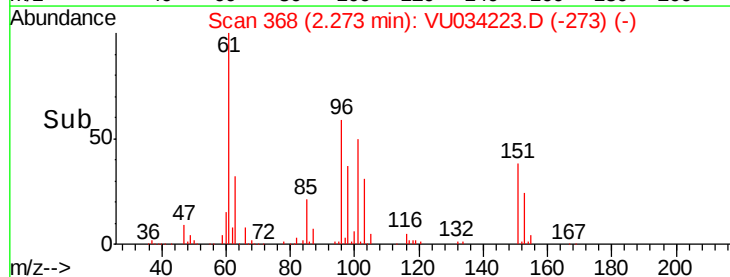
96 100

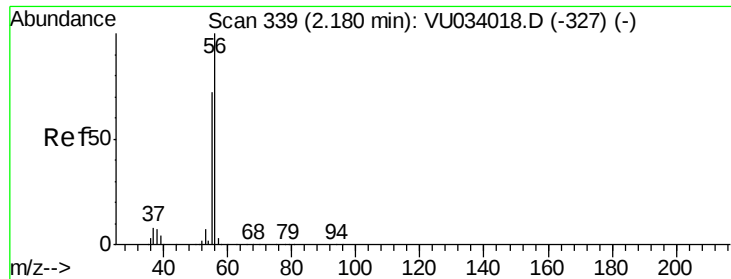
61 168.7 131.3 196.9

98 62.6 50.3 75.5



Abundance Ion 95.90 (95.60 to 96.60): VU034223.D (-273) (-)

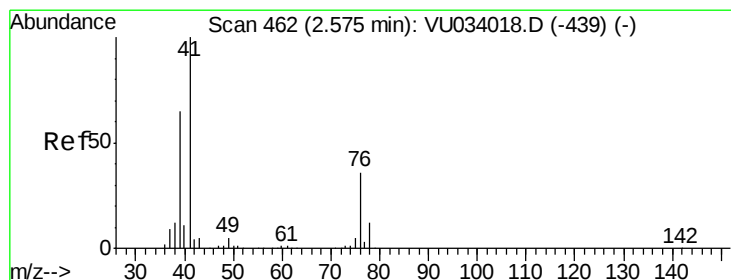
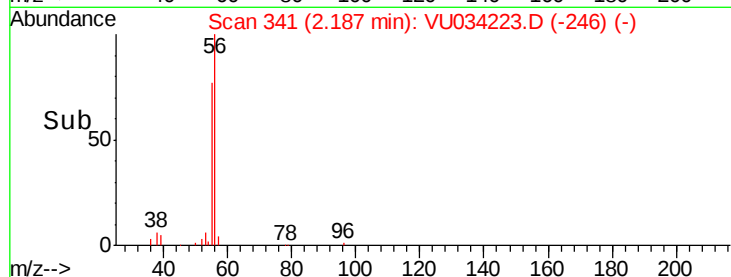
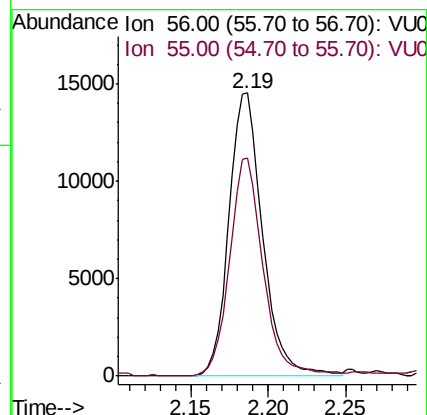
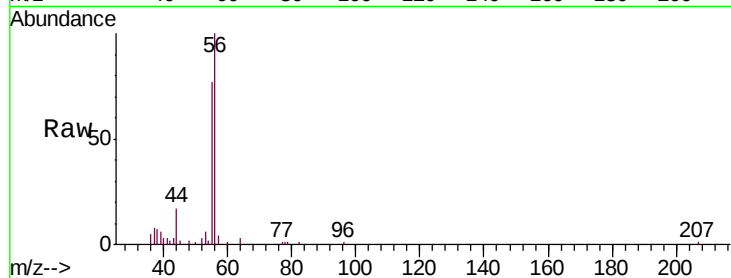




#13
Acrolein
Concen: 45.935 ug/l
RT: 2.19 min Scan# 341
Delta R.T. 0.01 min
Lab File: VU034223.D
Acq: 03 Sep 2019 13:28

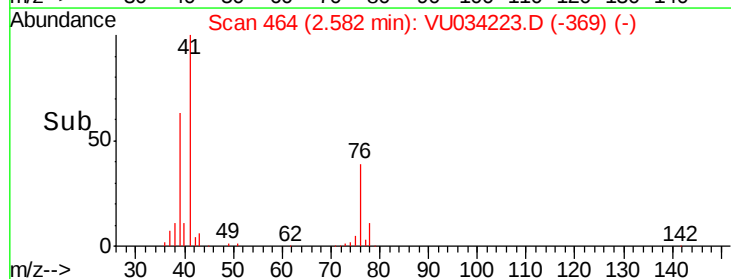
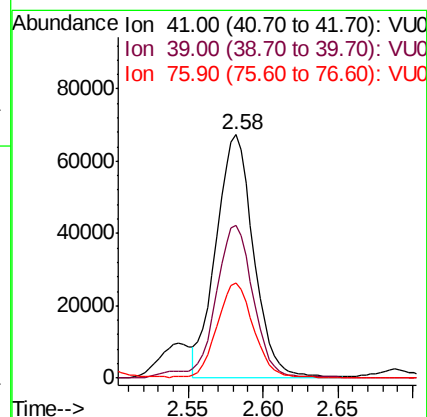
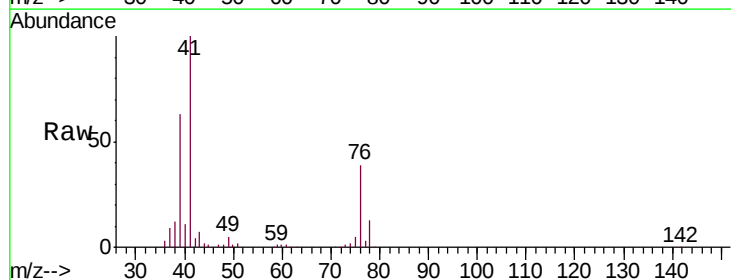
Instrument :
MSVOA_U
ClientSampleId :
VU0904MBSD01

Tgt Ion: 56 Resp: 21905
Ion Ratio Lower Upper
56 100
55 76.1 57.1 85.7



#14
Allyl chloride
Concen: 16.272 ug/l
RT: 2.58 min Scan# 464
Delta R.T. 0.01 min
Lab File: VU034223.D
Acq: 03 Sep 2019 13:28

Tgt Ion: 41 Resp: 117502
Ion Ratio Lower Upper
41 100
39 60.8 46.8 70.2
76 37.7 26.6 40.0





#15

Acrylonitrile

Concen: 96.148 ug/l

RT: 2.92 min Scan# 569

Delta R.T. 0.00 min

Lab File: VU034223.D

Acq: 03 Sep 2019 13:28

Instrument :

MSVOA_U

ClientSampleId :

VU0904MBSD01

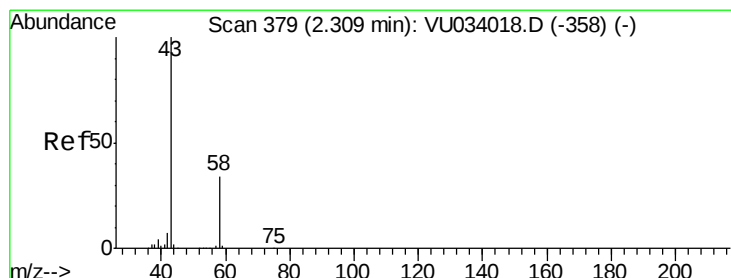
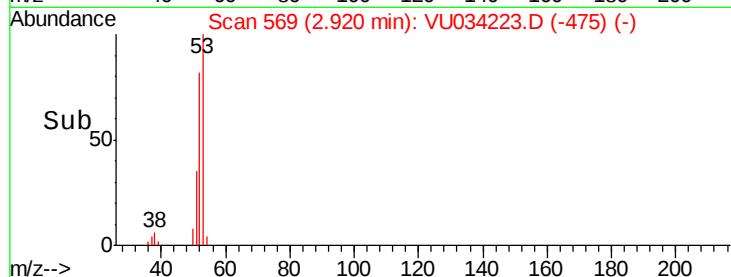
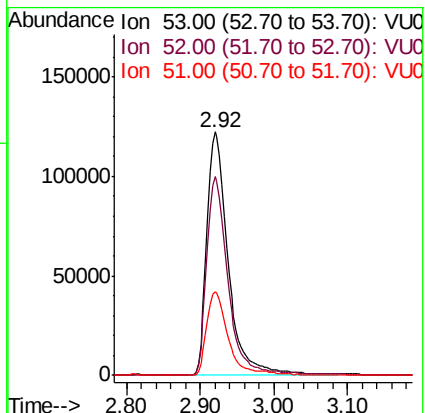
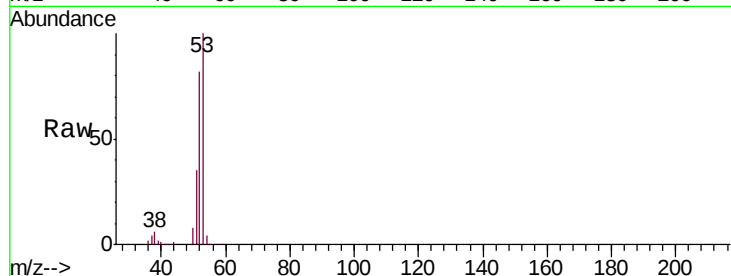
Tgt Ion: 53 Resp: 250100

Ion Ratio Lower Upper

53 100

52 80.0 65.7 98.5

51 34.6 27.9 41.9



#16

Acetone

Concen: 82.075 ug/l

RT: 2.31 min Scan# 379

Delta R.T. 0.00 min

Lab File: VU034223.D

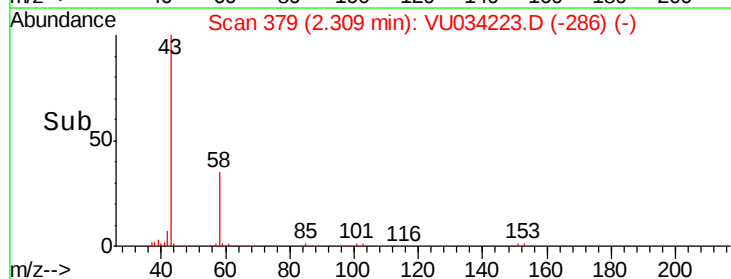
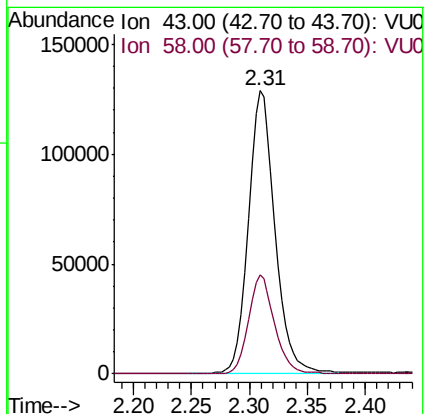
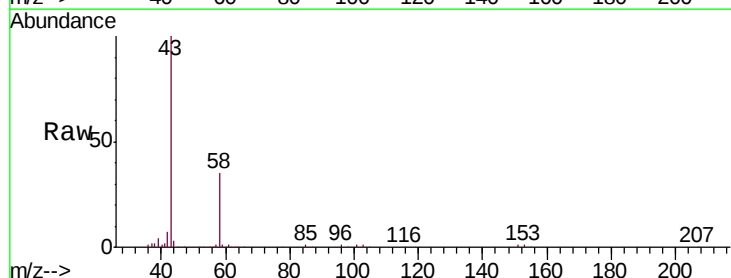
Acq: 03 Sep 2019 13:28

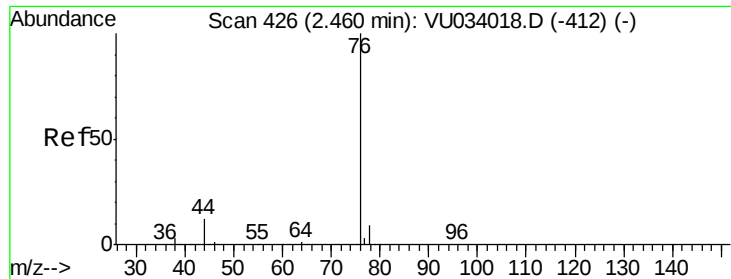
Tgt Ion: 43 Resp: 205861

Ion Ratio Lower Upper

43 100

58 34.9 26.8 40.2

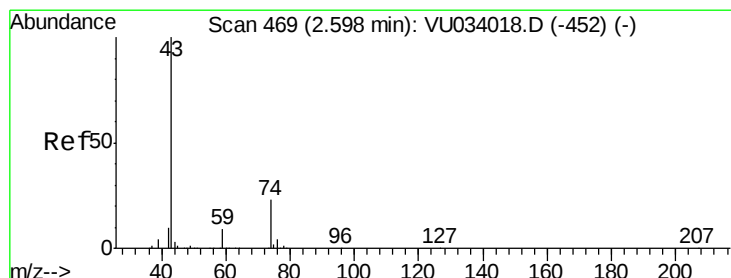
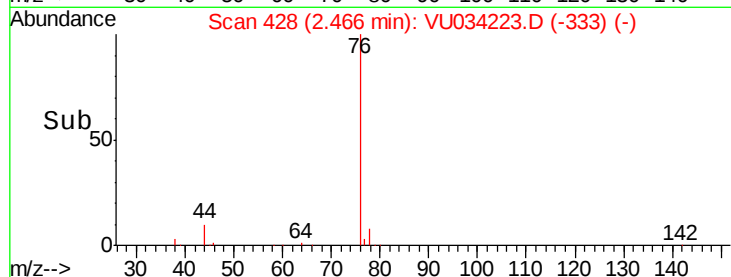
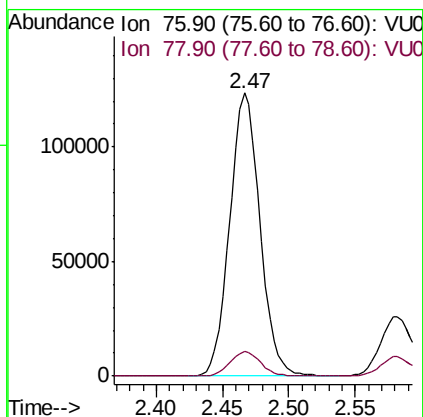
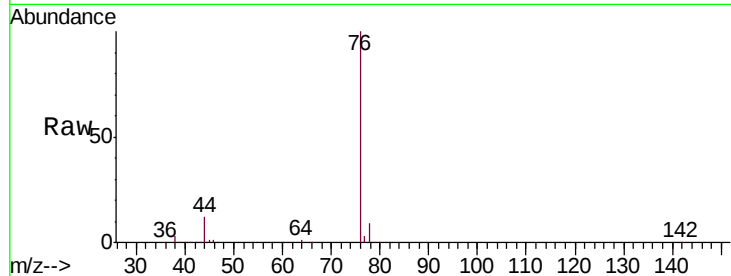




#17
Carbon Disulfide
Concen: 16.125 ug/l
RT: 2.47 min Scan# 428
Delta R.T. 0.01 min
Lab File: VU034223.D
Acq: 03 Sep 2019 13:28

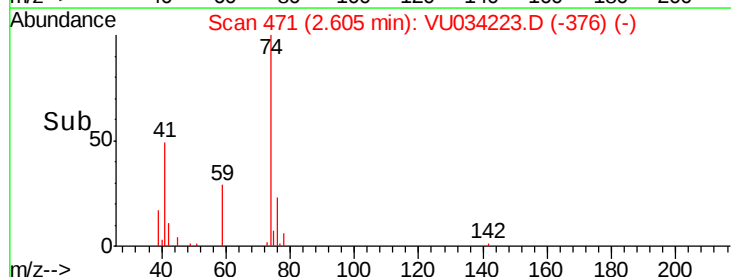
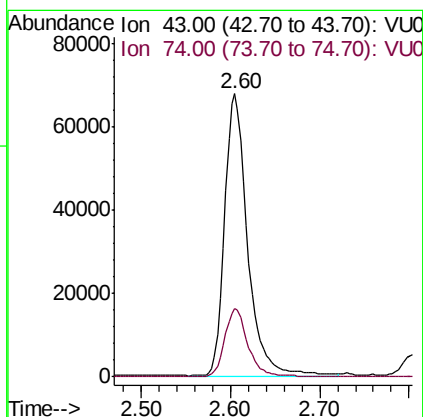
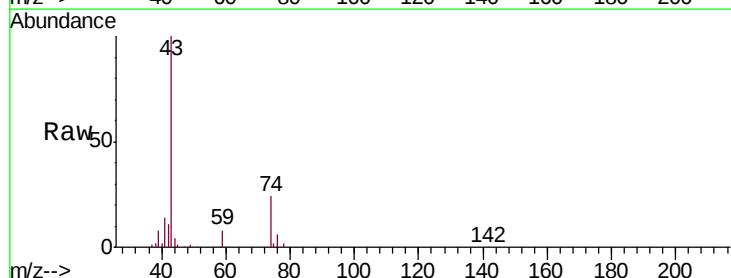
Instrument :
MSVOA_U
ClientSampleId :
VU0904MBSD01

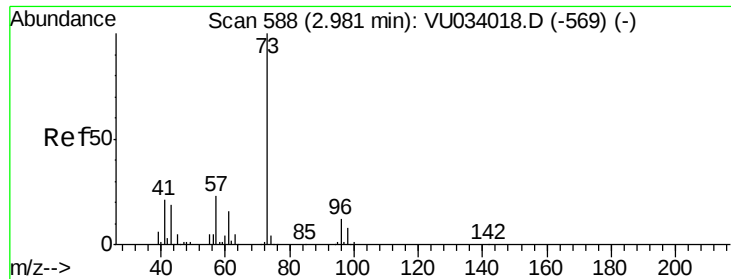
Tgt Ion: 76 Resp: 196004
Ion Ratio Lower Upper
76 100
78 8.7 7.1 10.7



#18
Methyl Acetate
Concen: 18.665 ug/l
RT: 2.60 min Scan# 471
Delta R.T. 0.01 min
Lab File: VU034223.D
Acq: 03 Sep 2019 13:28

Tgt Ion: 43 Resp: 120976
Ion Ratio Lower Upper
43 100
74 24.1 19.2 28.8

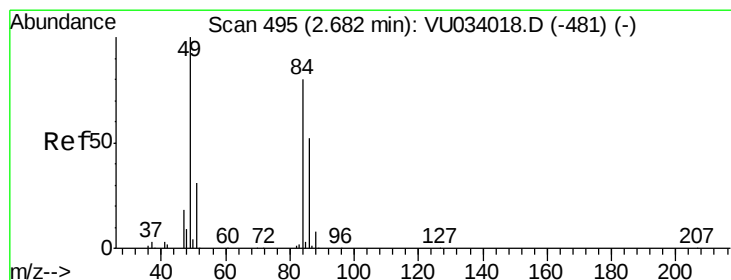
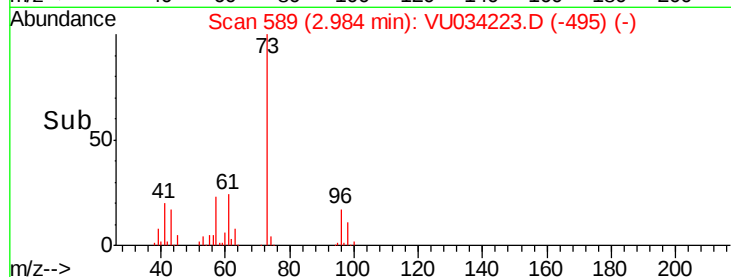
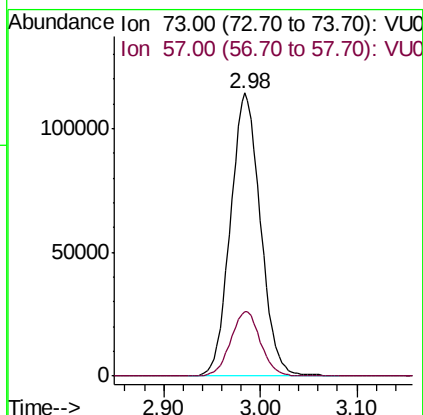
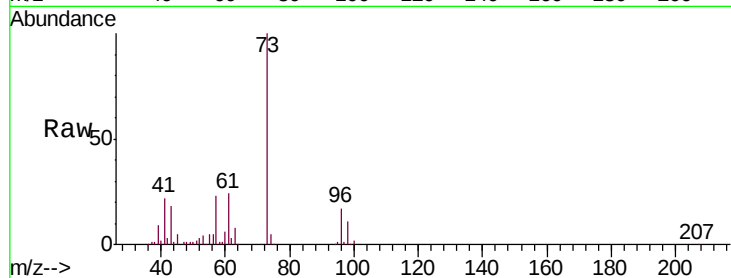




#19
Methyl tert-butyl Ether
Concen: 19.601 ug/l
RT: 2.98 min Scan# 589
Delta R.T. 0.00 min
Lab File: VU034223.D
Acq: 03 Sep 2019 13:28

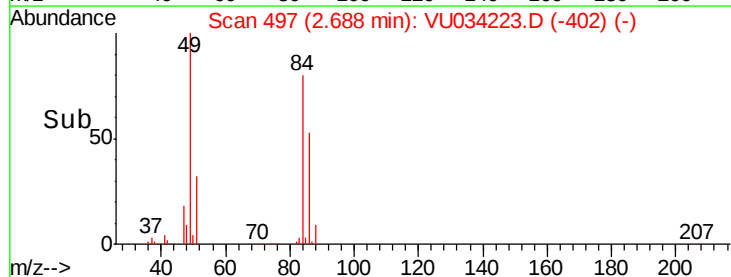
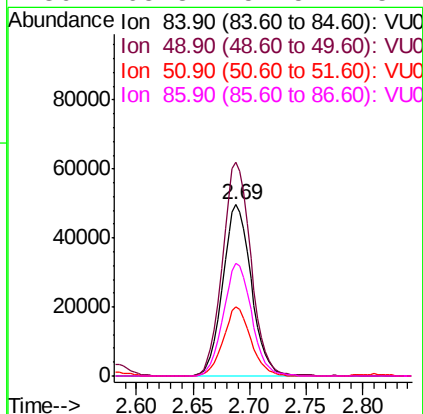
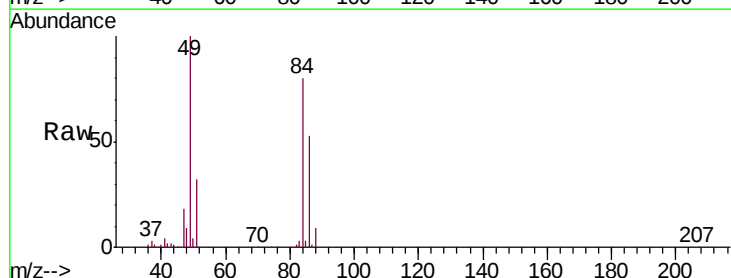
Instrument :
MSVOA_U
ClientSampleId :
VU0904MBSD01

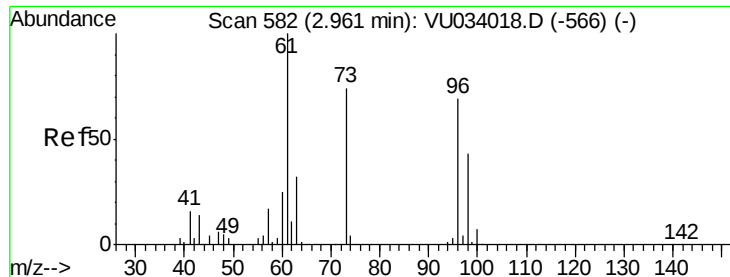
Tgt Ion: 73 Resp: 246650
Ion Ratio Lower Upper
73 100
57 23.0 18.3 27.5



#20
Methylene Chloride
Concen: 18.407 ug/l
RT: 2.69 min Scan# 497
Delta R.T. 0.01 min
Lab File: VU034223.D
Acq: 03 Sep 2019 13:28

Tgt Ion: 84 Resp: 87404
Ion Ratio Lower Upper
84 100
49 124.8 100.2 150.4
51 40.5 30.8 46.2
86 65.8 52.5 78.7





#21

trans-1,2-Dichloroethene

Concen: 18.377 ug/l

RT: 2.97 min Scan# 584

Delta R.T. 0.01 min

Lab File: VU034223.D

Acq: 03 Sep 2019 13:28

Instrument :

MSVOA_U

ClientSampleId :

VU0904MBSD01

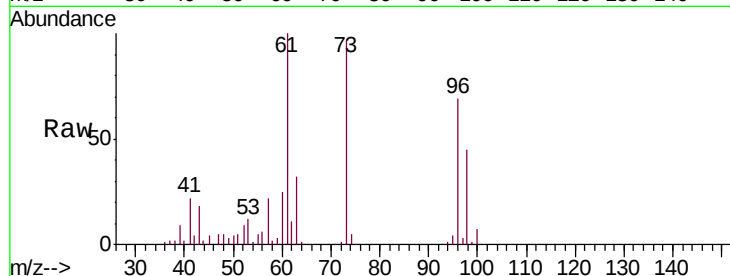
Tgt Ion: 96 Resp: 76598

Ion Ratio Lower Upper

96 100

61 145.9 115.5 173.3

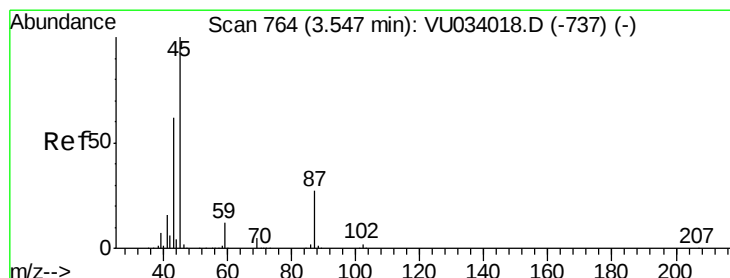
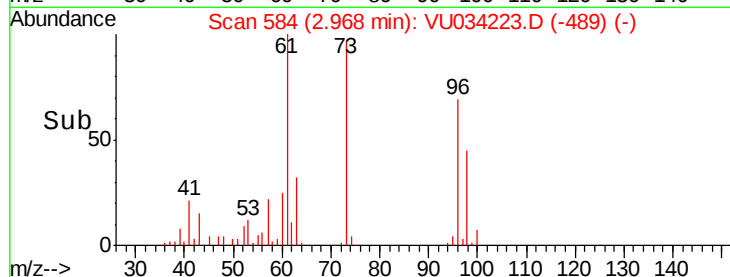
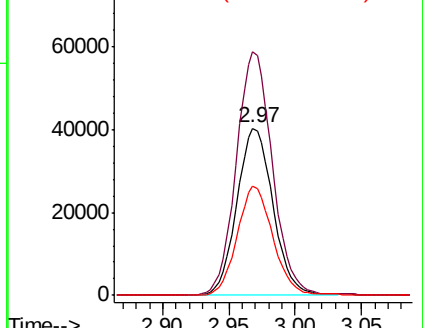
98 65.6 50.1 75.1



Abundance Ion 95.90 (95.60 to 96.60): VU034018.D (-566) (-)

Ion 60.90 (60.60 to 61.60): VU034018.D (-566) (-)

Ion 97.90 (97.60 to 98.60): VU034018.D (-566) (-)



#22

Diisopropyl ether

Concen: 19.661 ug/l

RT: 3.55 min Scan# 766

Delta R.T. 0.01 min

Lab File: VU034223.D

Acq: 03 Sep 2019 13:28

Tgt Ion: 45 Resp: 260151

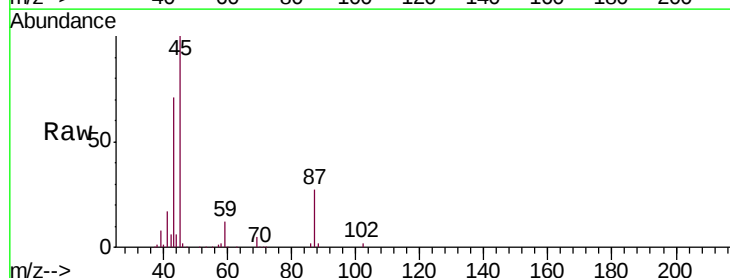
Ion Ratio Lower Upper

45 100

43 70.5 49.7 74.5

87 27.4 21.8 32.8

59 11.7 9.3 13.9

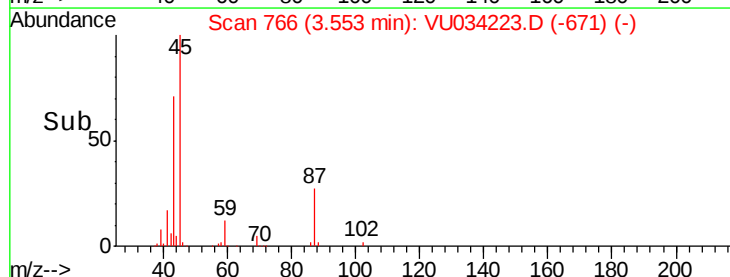
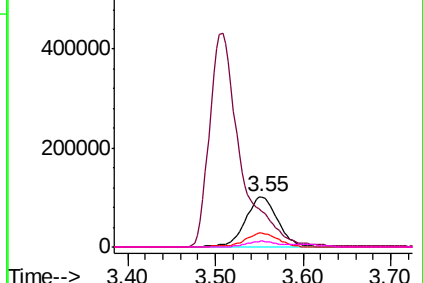


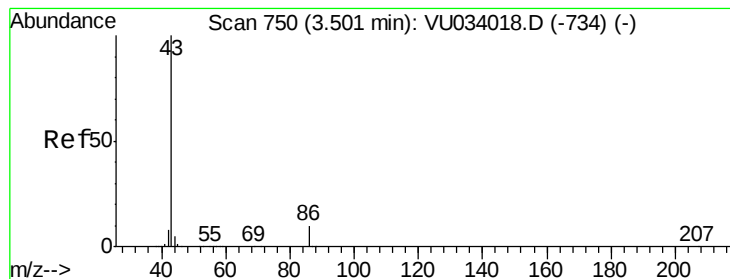
Abundance Ion 45.00 (44.70 to 45.70): VU034018.D (-737) (-)

Ion 43.00 (42.70 to 43.70): VU034018.D (-737) (-)

Ion 87.00 (86.70 to 87.70): VU034018.D (-737) (-)

Ion 59.00 (58.70 to 59.70): VU034018.D (-737) (-)





#23

Vinyl Acetate

Concen: 94.009 ug/l

RT: 3.51 min Scan# 752

Delta R.T. 0.01 min

Lab File: VU034223.D

Acq: 03 Sep 2019 13:28

Instrument :

MSVOA_U

ClientSampleId :

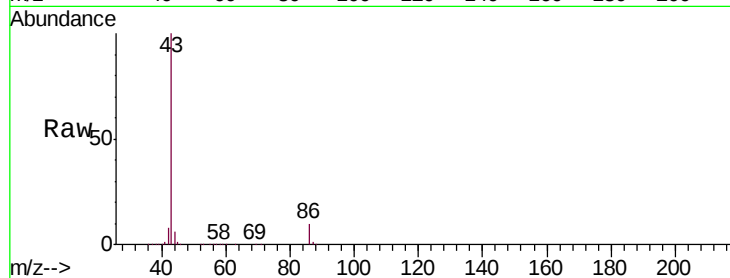
VU0904MBSD01

Tgt Ion: 43 Resp: 1068549

Ion Ratio Lower Upper

43 100

86 10.3 8.3 12.5



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

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

3.51

400000

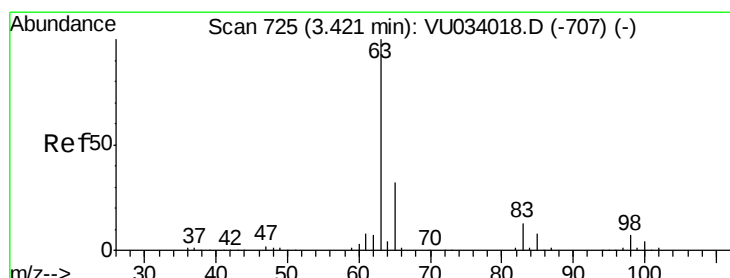
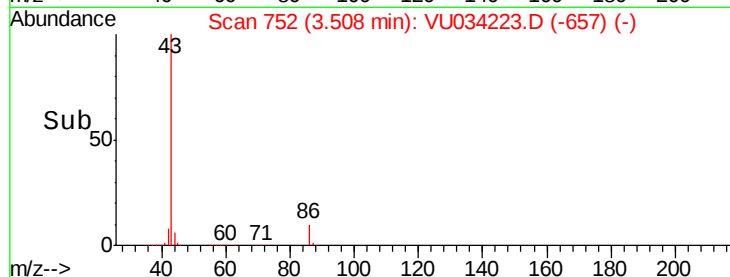
300000

200000

100000

0

Time-->



#24

1,1-Dichloroethane

Concen: 19.352 ug/l

RT: 3.43 min Scan# 727

Delta R.T. 0.01 min

Lab File: VU034223.D

Acq: 03 Sep 2019 13:28

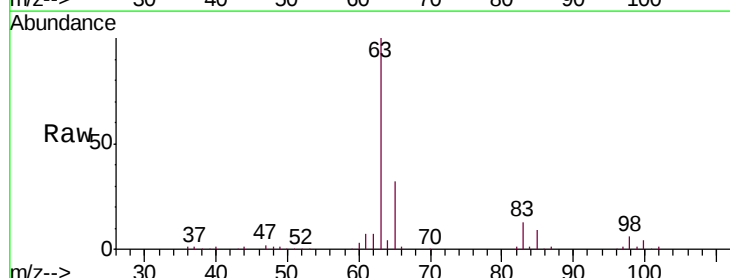
Tgt Ion: 63 Resp: 151179

Ion Ratio Lower Upper

63 100

98 6.4 3.3 9.8

100 3.5 2.0 6.0



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

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

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

3.43

80000

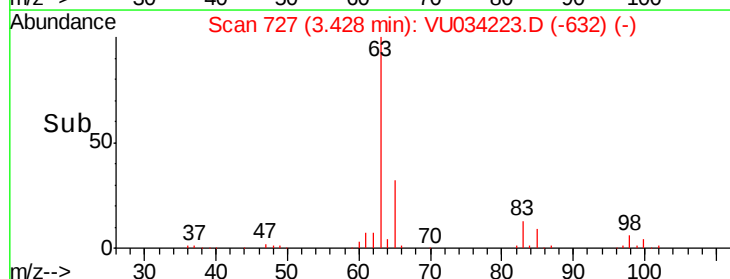
60000

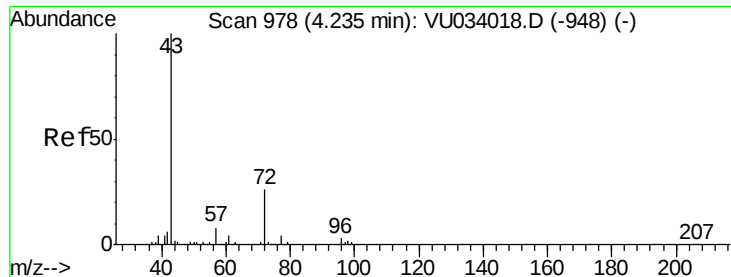
40000

20000

0

Time-->





#25

2-Butanone

Concen: 90.762 ug/l

RT: 4.24 min Scan# 980

Delta R.T. 0.01 min

Lab File: VU034223.D

Acq: 03 Sep 2019 13:28

Instrument :

MSVOA_U

ClientSampleId :

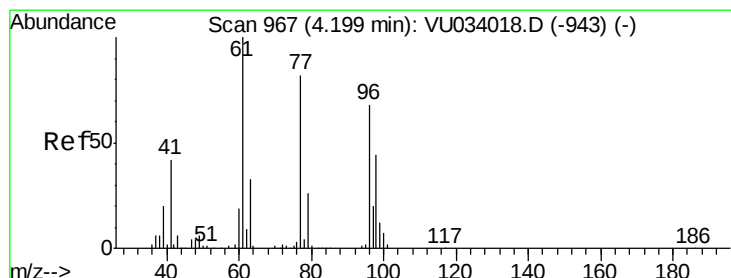
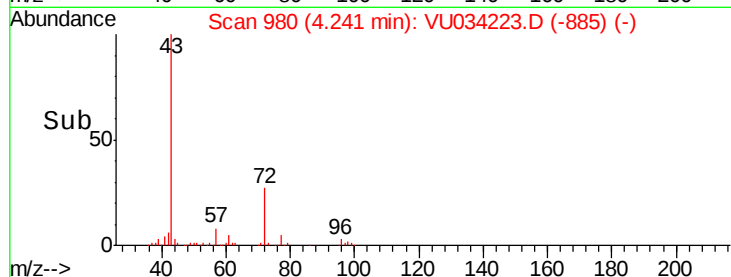
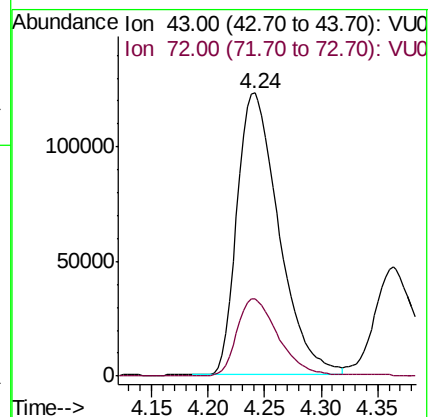
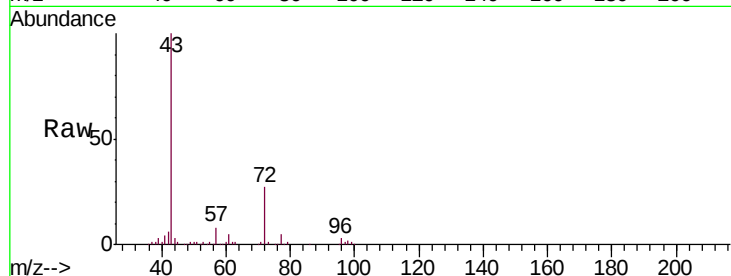
VU0904MBSD01

Tgt Ion: 43 Resp: 316718

Ion Ratio Lower Upper

43 100

72 27.3 21.2 31.8



#26

2,2-Dichloropropane

Concen: 18.021 ug/l

RT: 4.21 min Scan# 969

Delta R.T. 0.01 min

Lab File: VU034223.D

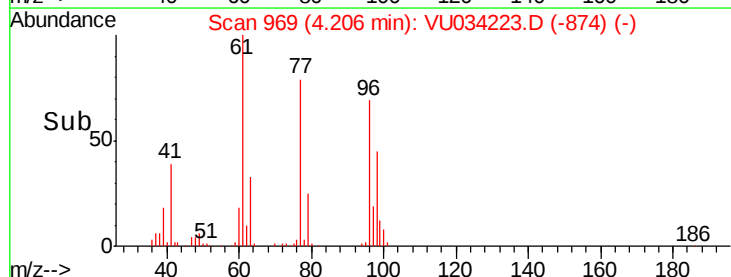
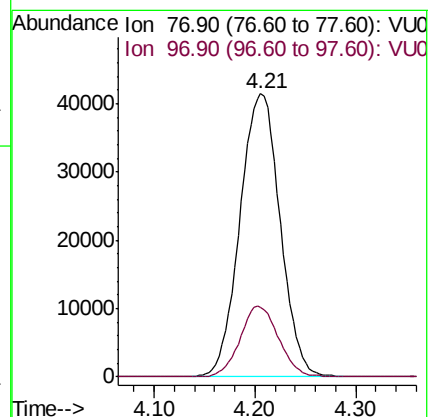
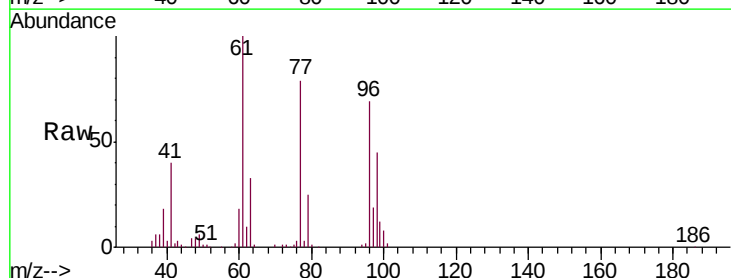
Acq: 03 Sep 2019 13:28

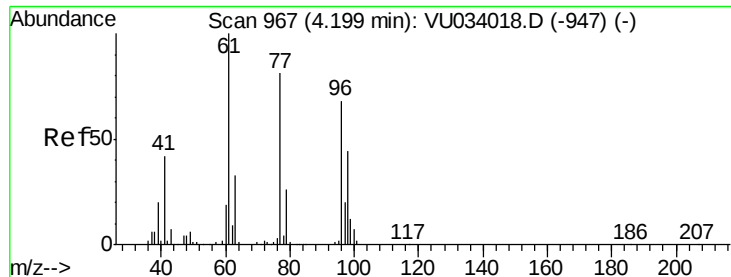
Tgt Ion: 77 Resp: 114552

Ion Ratio Lower Upper

77 100

97 23.9 11.6 34.7



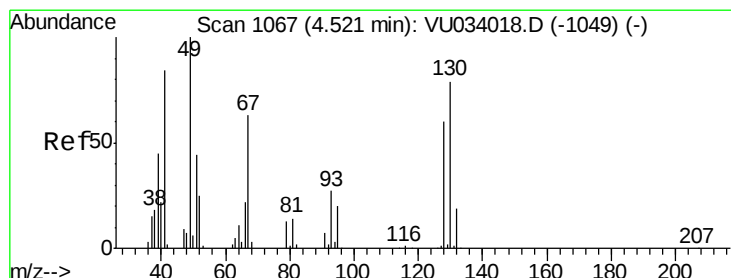
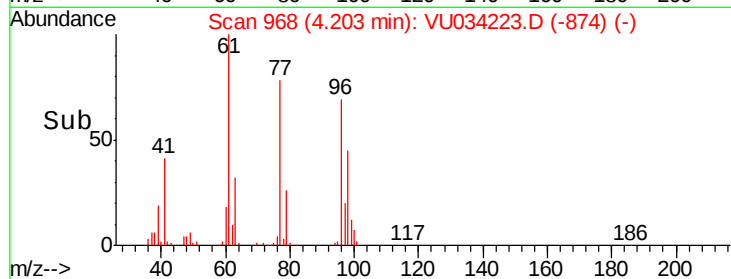
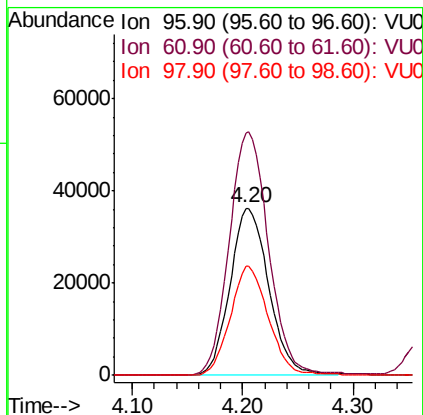
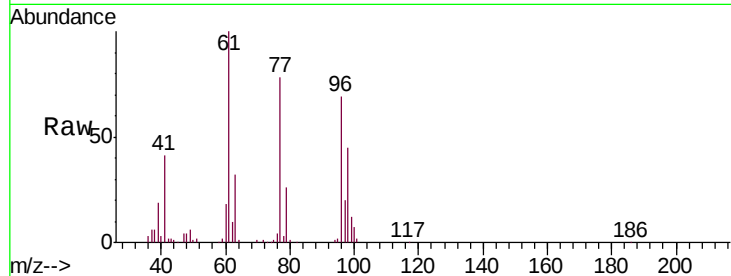


#27

cis-1,2-Dichloroethene
 Concen: 18.904 ug/l
 RT: 4.20 min Scan# 968
 Delta R.T. 0.00 min
 Lab File: VU034223.D
 Acq: 03 Sep 2019 13:28

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0904MBSD01

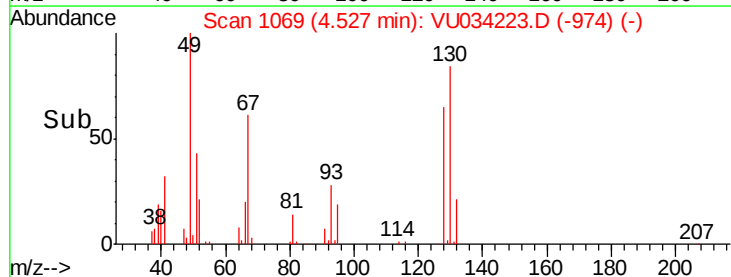
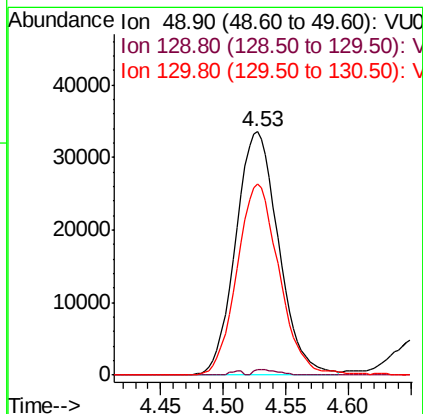
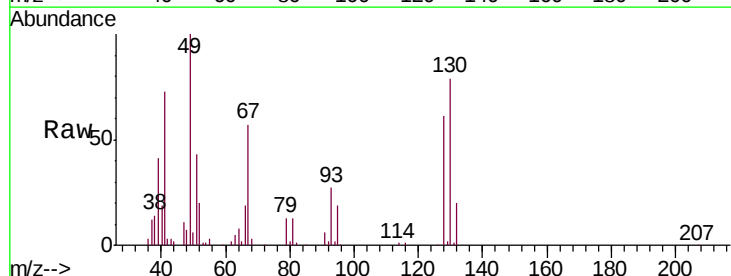
Tgt Ion: 96 Resp: 88439
 Ion Ratio Lower Upper
 96 100
 61 148.1 0.0 303.0
 98 64.1 0.0 129.2

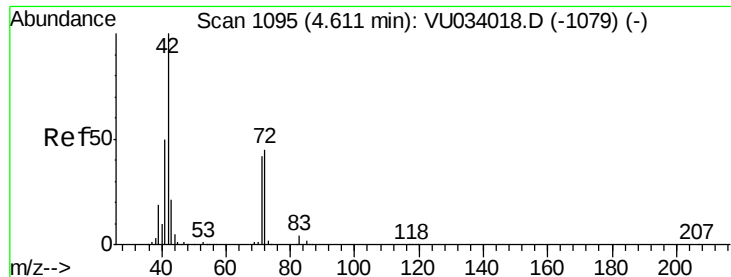


#28

Bromochloromethane
 Concen: 20.768 ug/l
 RT: 4.53 min Scan# 1069
 Delta R.T. 0.01 min
 Lab File: VU034223.D
 Acq: 03 Sep 2019 13:28

Tgt Ion: 49 Resp: 79932
 Ion Ratio Lower Upper
 49 100
 129 1.2 0.0 3.6
 130 77.4 62.8 94.2

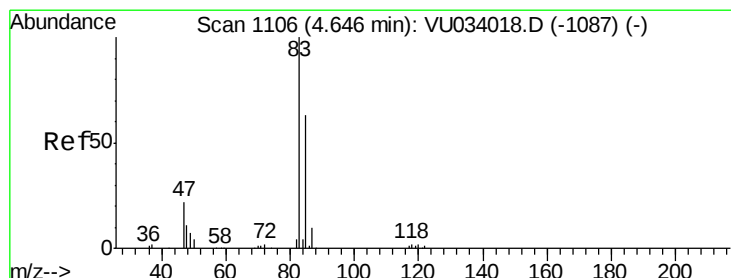
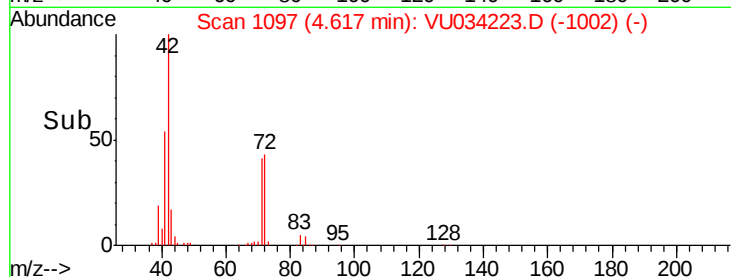
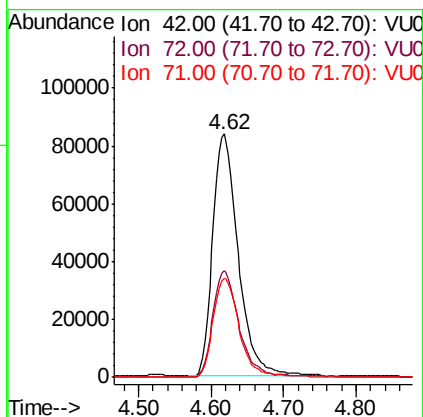
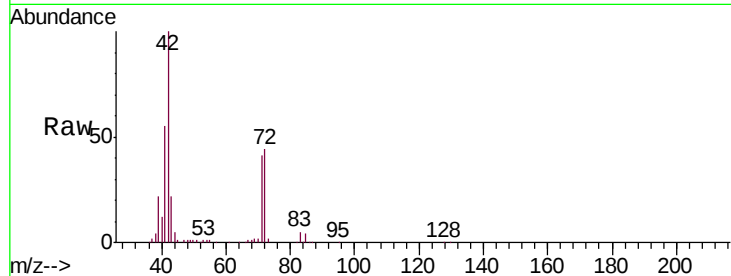




#29
Tetrahydrofuran
Concen: 95.431 ug/l
RT: 4.62 min Scan# 1097
Delta R.T. 0.01 min
Lab File: VU034223.D
Acq: 03 Sep 2019 13:28

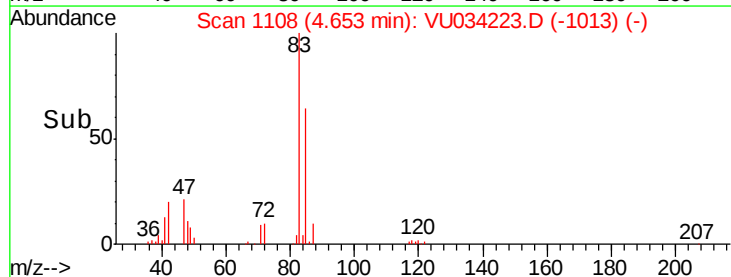
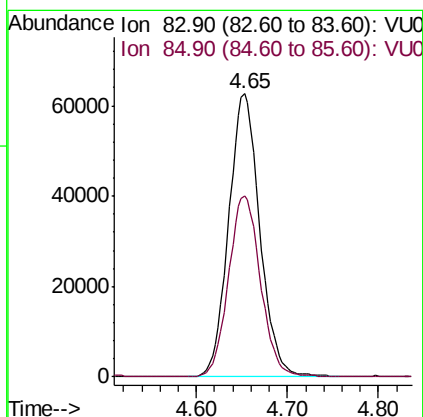
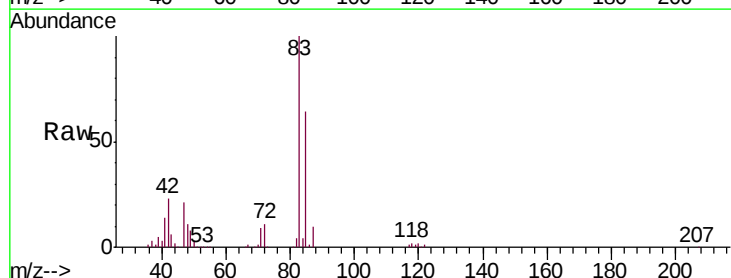
Instrument :
MSVOA_U
ClientSampleId :
VU0904MBSD01

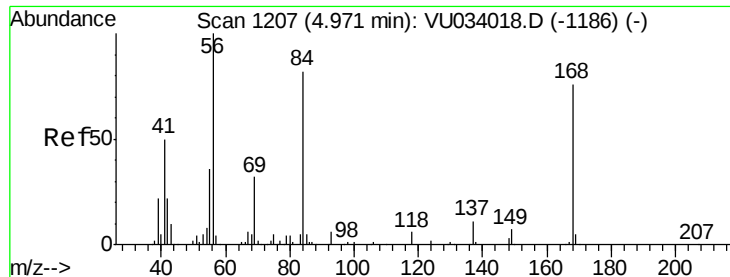
Tgt Ion: 42 Resp: 205368
Ion Ratio Lower Upper
42 100
72 44.9 35.8 53.6
71 40.9 34.0 51.0



#30
Chloroform
Concen: 19.139 ug/l
RT: 4.65 min Scan# 1108
Delta R.T. 0.01 min
Lab File: VU034223.D
Acq: 03 Sep 2019 13:28

Tgt Ion: 83 Resp: 149172
Ion Ratio Lower Upper
83 100
85 64.0 50.7 76.1

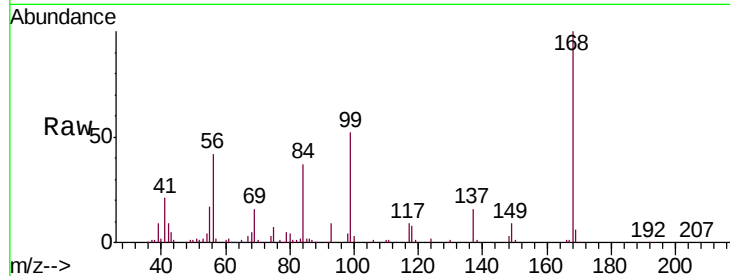




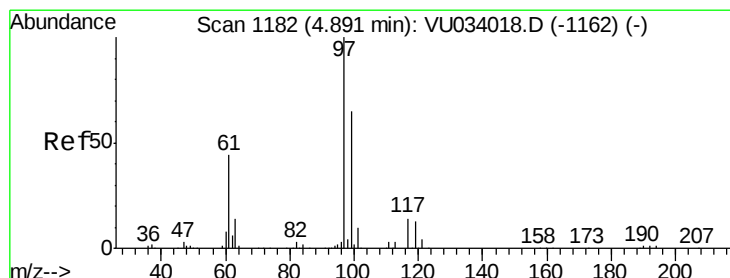
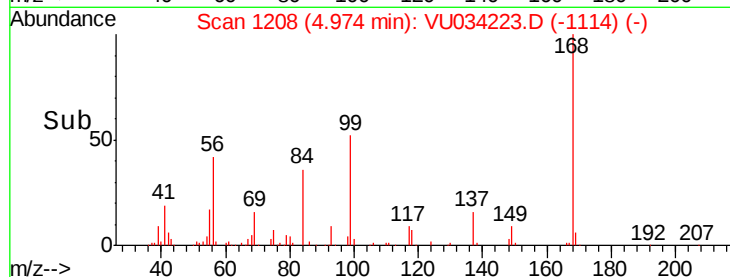
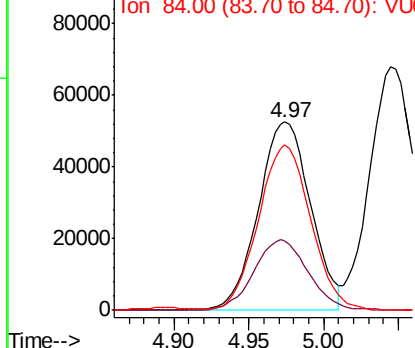
#31
Cyclohexane
Concen: 17.350 ug/l
RT: 4.97 min Scan# 1208
Delta R.T. 0.00 min
Lab File: VU034223.D
Acq: 03 Sep 2019 13:28

Instrument :
MSVOA_U
ClientSampleId :
VU0904MBSD01

Tgt Ion: 56 Resp: 127355
Ion Ratio Lower Upper
56 100
69 37.3 25.4 38.0
84 87.3 65.8 98.8

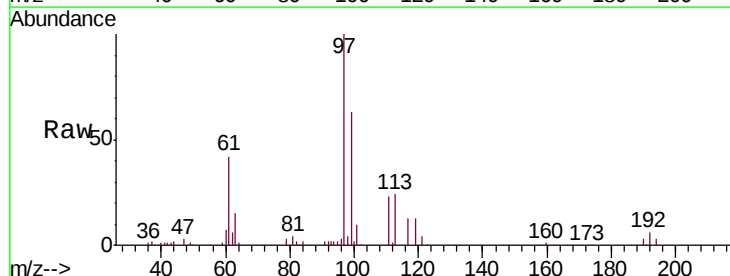


Abundance Ion 56.00 (55.70 to 56.70): VU0
Ion 69.00 (68.70 to 69.70): VU0
Ion 84.00 (83.70 to 84.70): VU0

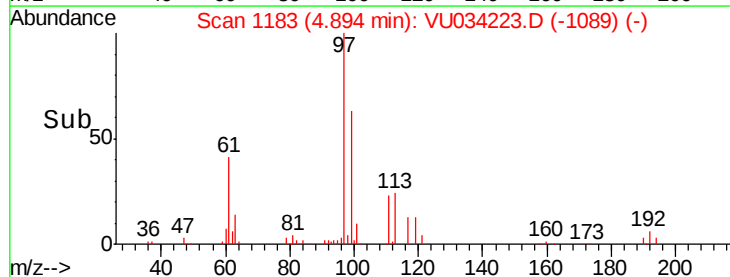
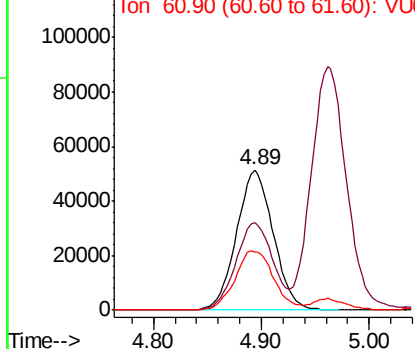


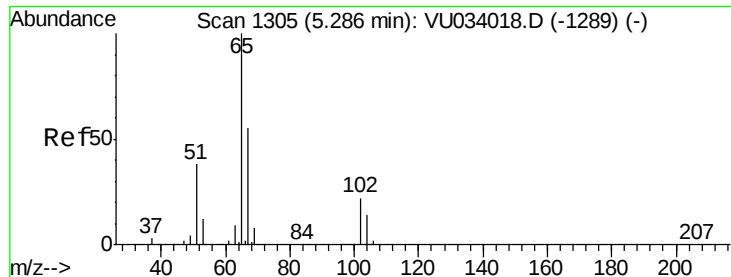
#32
1,1,1-Trichloroethane
Concen: 19.089 ug/l
RT: 4.89 min Scan# 1183
Delta R.T. 0.00 min
Lab File: VU034223.D
Acq: 03 Sep 2019 13:28

Tgt Ion: 97 Resp: 121853
Ion Ratio Lower Upper
97 100
99 63.3 51.8 77.6
61 44.6 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: 47.624 ug/l

RT: 5.29 min Scan# 1306

Delta R.T. 0.00 min

Lab File: VU034223.D

Acq: 03 Sep 2019 13:28

Instrument :

MSVOA_U

ClientSampleId :

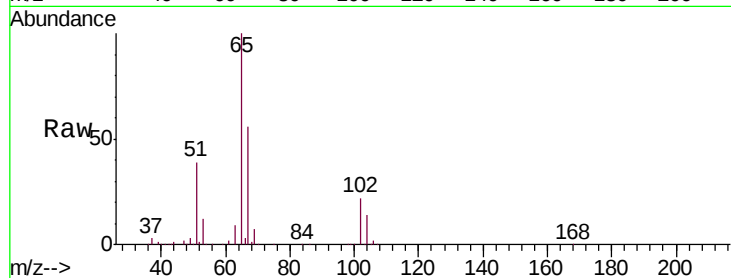
VU0904MBSD01

Tgt Ion: 65 Resp: 234103

Ion Ratio Lower Upper

65 100

67 56.2 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

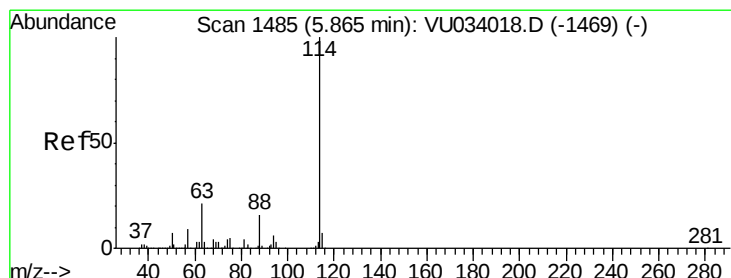
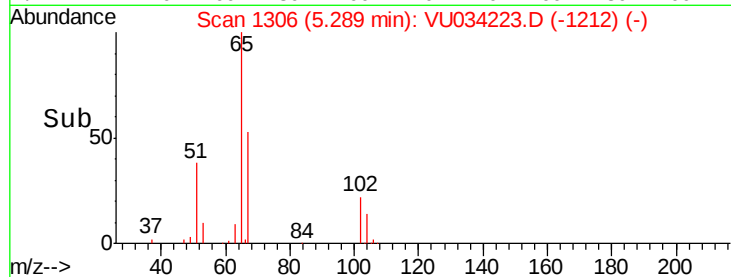
60000

40000

20000

0

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.87 min Scan# 1486

Delta R.T. 0.00 min

Lab File: VU034223.D

Acq: 03 Sep 2019 13:28

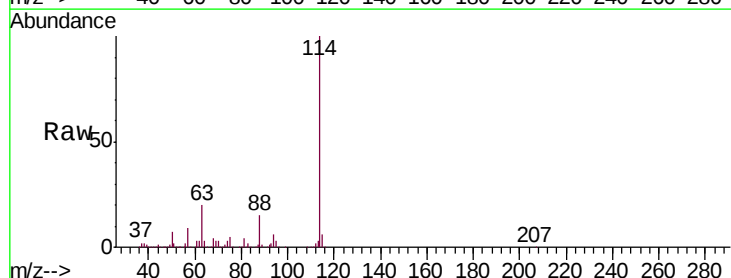
Tgt Ion: 114 Resp: 615554

Ion Ratio Lower Upper

114 100

63 20.4 0.0 42.0

88 15.3 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) (-)

5.87

400000

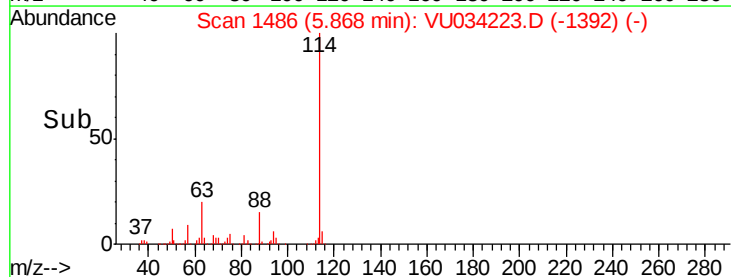
300000

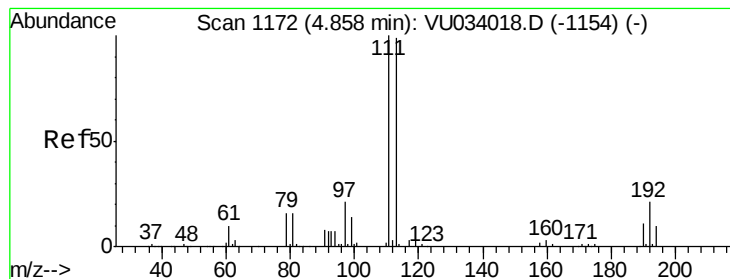
200000

100000

0

Time-->





#35

Dibromofluoromethane

Concen: 46.957 ug/l

RT: 4.86 min Scan# 1173

Delta R.T. 0.00 min

Lab File: VU034223.D

Acq: 03 Sep 2019 13:28

Instrument :

MSVOA_U

ClientSampleId :

VU0904MBSD01

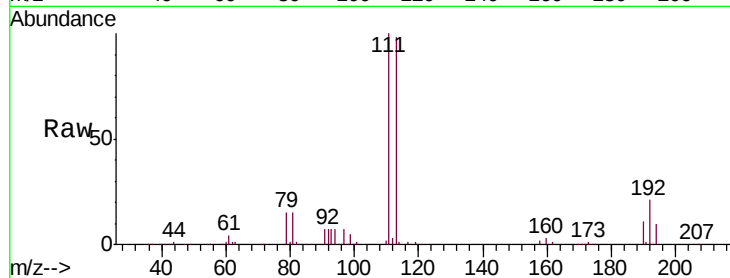
Tgt Ion: 113 Resp: 200479

Ion Ratio Lower Upper

113 100

111 102.2 81.7 122.5

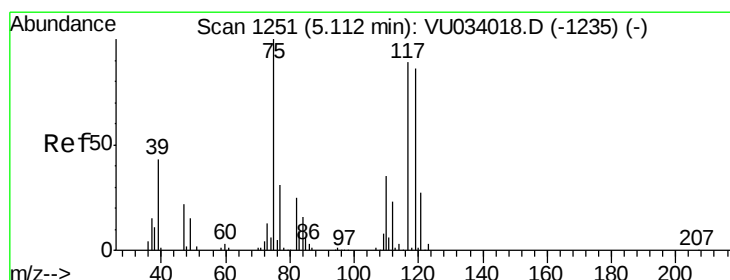
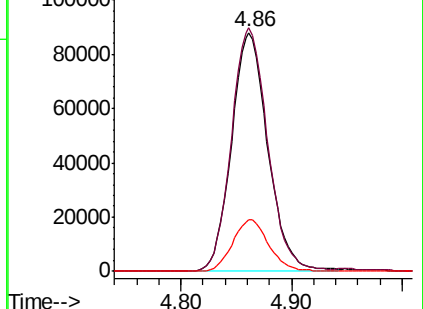
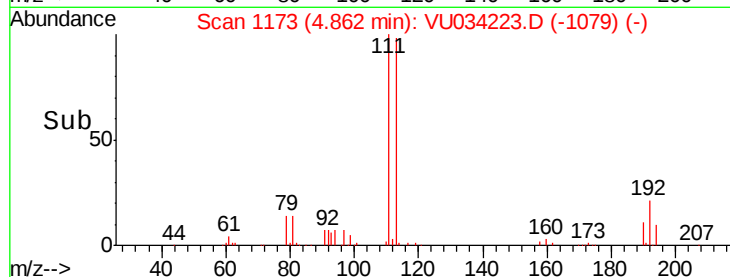
192 21.6 17.1 25.7



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 17.767 ug/l

RT: 5.12 min Scan# 1252

Delta R.T. 0.00 min

Lab File: VU034223.D

Acq: 03 Sep 2019 13:28

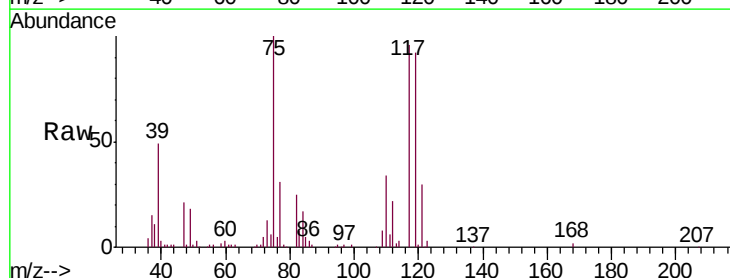
Tgt Ion: 75 Resp: 103444

Ion Ratio Lower Upper

75 100

110 35.7 17.8 53.5

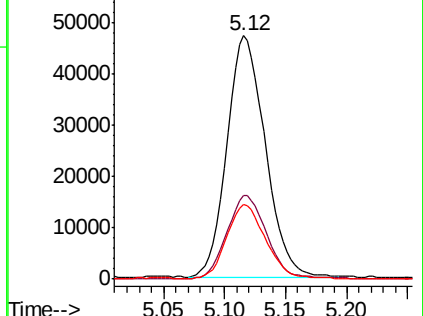
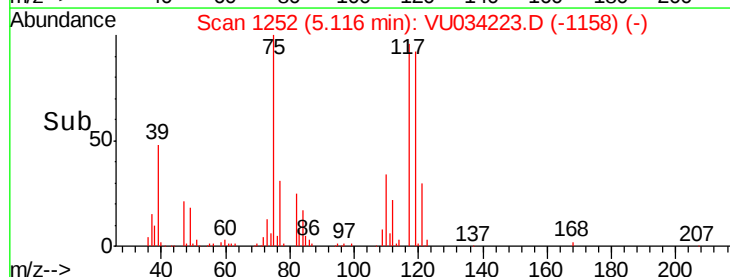
77 31.6 25.0 37.4

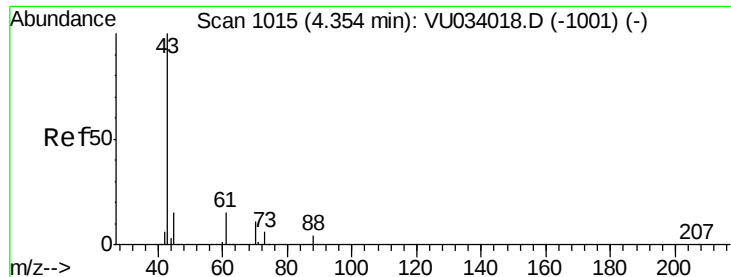


Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VU0

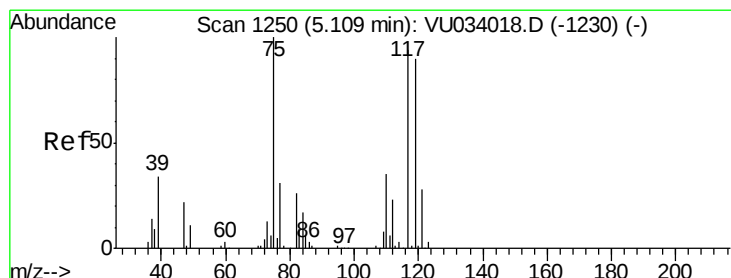
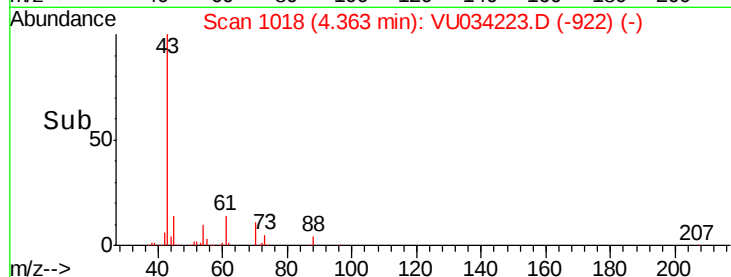
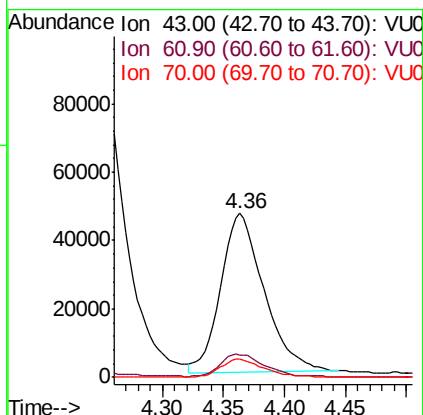
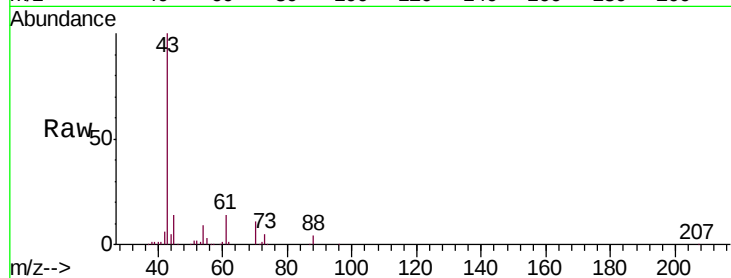




#37
 Ethyl Acetate
 Concen: 17.715 ug/l
 RT: 4.36 min Scan# 1018
 Delta R.T. 0.01 min
 Lab File: VU034223.D
 Acq: 03 Sep 2019 13:28

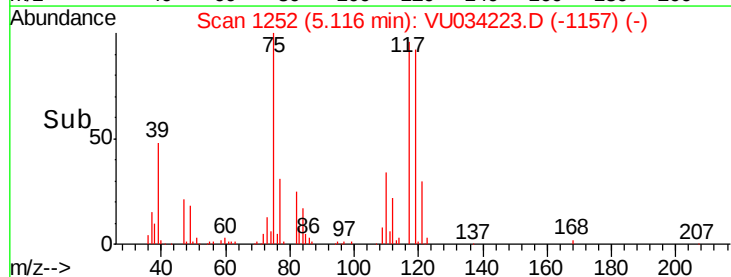
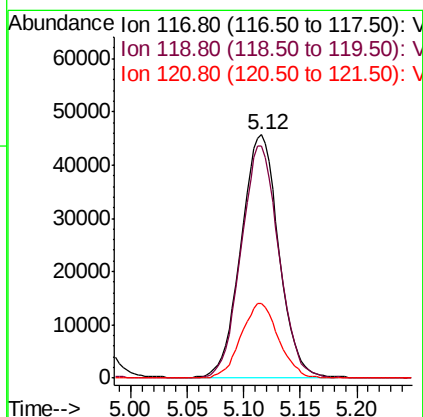
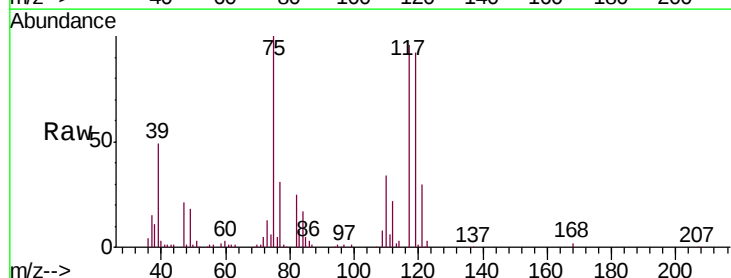
Instrument :
 MSVOA_U
 ClientSampleId :
 VU0904MBSD01

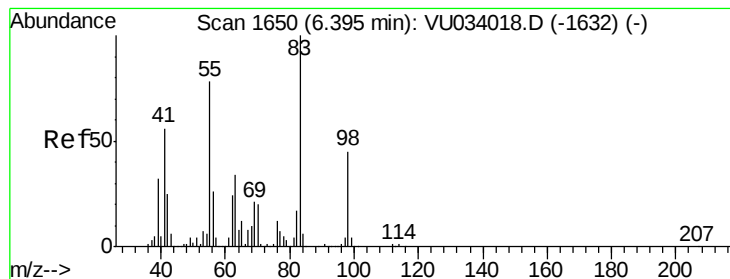
Tgt Ion: 43 Resp: 115499
 Ion Ratio Lower Upper
 43 100
 61 14.4 11.5 17.3
 70 11.7 8.6 12.8



#38
 Carbon Tetrachloride
 Concen: 18.737 ug/l
 RT: 5.12 min Scan# 1252
 Delta R.T. 0.01 min
 Lab File: VU034223.D
 Acq: 03 Sep 2019 13:28

Tgt Ion: 117 Resp: 105304
 Ion Ratio Lower Upper
 117 100
 119 95.5 77.0 115.4
 121 30.9 23.9 35.9





#39

Methylcyclohexane

Concen: 17.014 ug/l

RT: 6.40 min Scan# 1650

Delta R.T. 0.00 min

Lab File: VU034223.D

Acq: 03 Sep 2019 13:28

Instrument :

MSVOA_U

ClientSampleId :

VU0904MBSD01

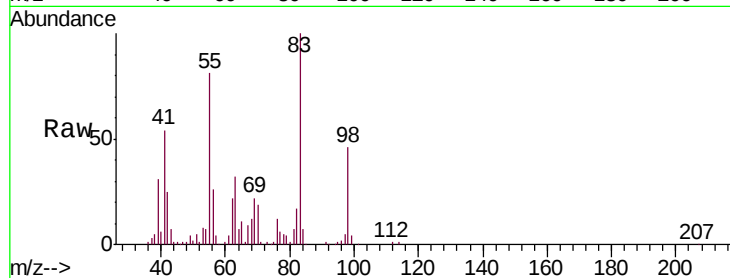
Tgt Ion: 83 Resp: 116755

Ion Ratio Lower Upper

83 100

55 80.6 62.3 93.5

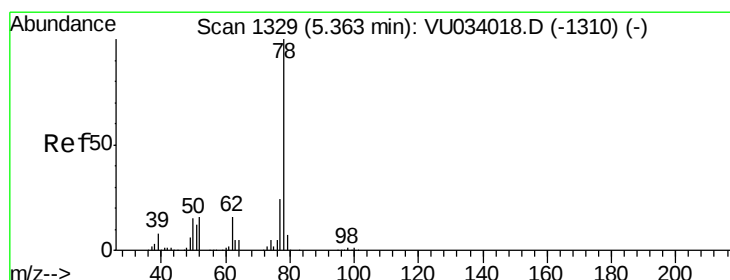
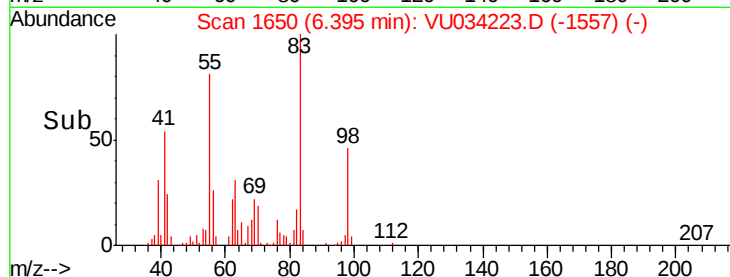
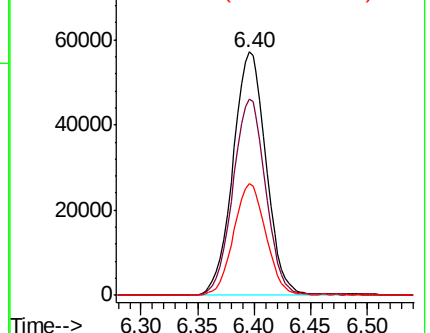
98 45.7 36.2 54.2



Abundance Ion 83.00 (82.70 to 83.70): VU034018.D (-1632) (-)

Ion 55.00 (54.70 to 55.70): VU034018.D (-1632) (-)

Ion 98.00 (97.70 to 98.70): VU034018.D (-1632) (-)



#40

Benzene

Concen: 18.670 ug/l

RT: 5.37 min Scan# 1331

Delta R.T. 0.01 min

Lab File: VU034223.D

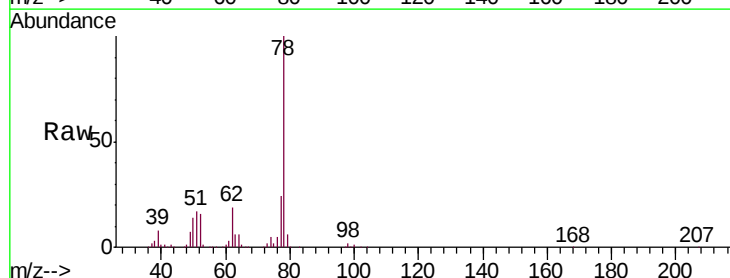
Acq: 03 Sep 2019 13:28

Tgt Ion: 78 Resp: 328889

Ion Ratio Lower Upper

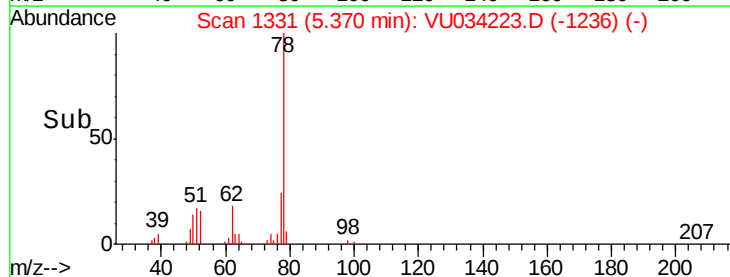
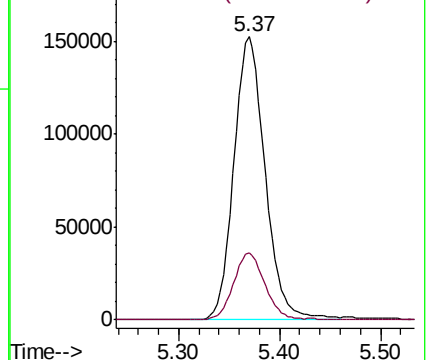
78 100

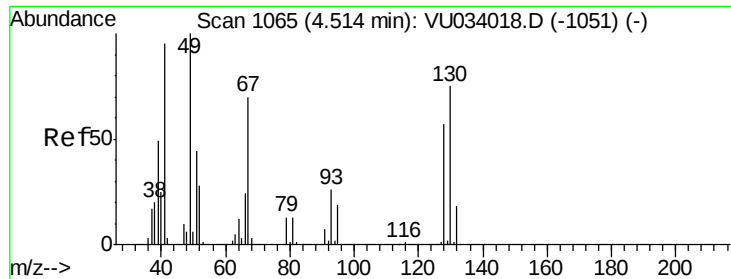
77 23.6 19.0 28.6



Abundance Ion 78.00 (77.70 to 78.70): VU034018.D (-1310) (-)

Ion 77.00 (76.70 to 77.70): VU034018.D (-1310) (-)

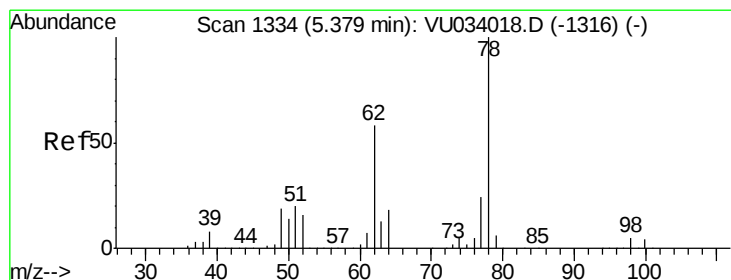
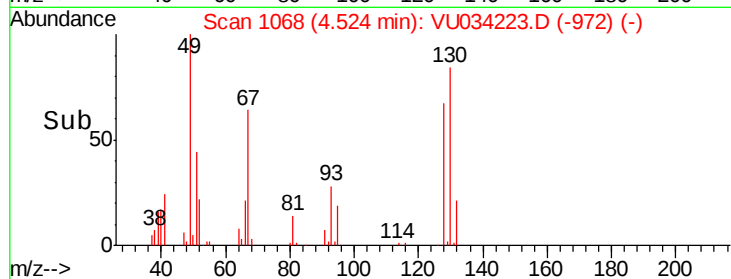
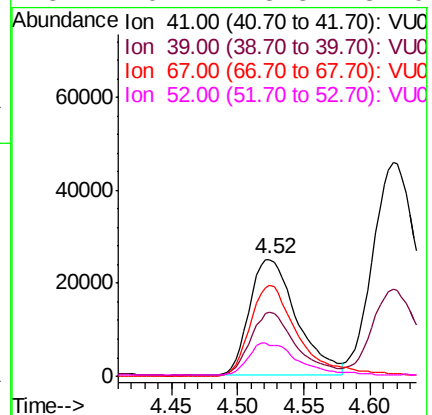
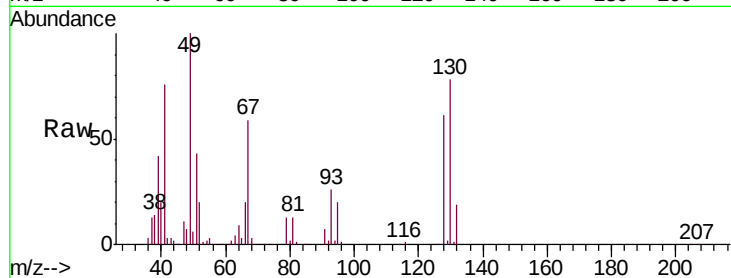




#41
Methacrylonitrile
Concen: 18.703 ug/l
RT: 4.52 min Scan# 1068
Delta R.T. 0.01 min
Lab File: VU034223.D
Acq: 03 Sep 2019 13:28

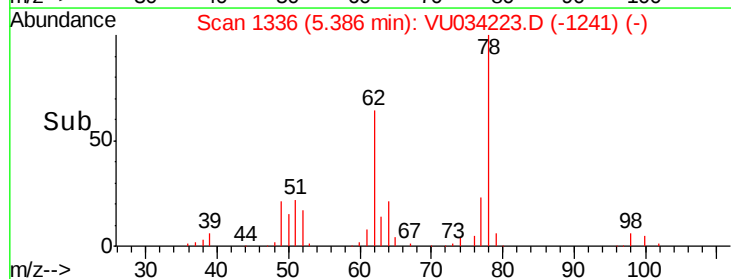
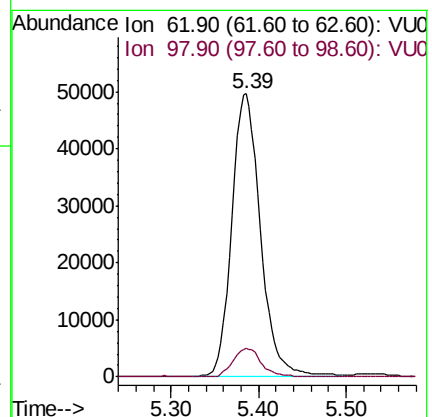
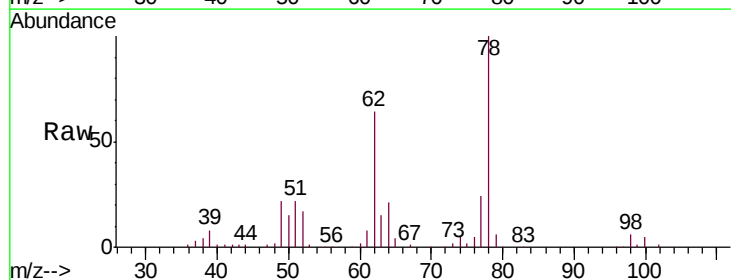
Instrument :
MSVOA_U
ClientSampleId :
VU0904MBSD01

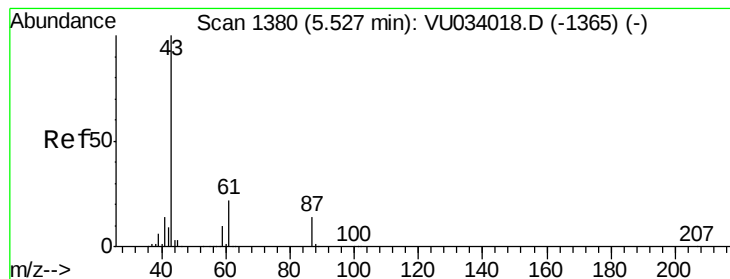
Tgt Ion: 41 Resp: 62538
Ion Ratio Lower Upper
41 100
39 53.0 42.1 63.1
67 79.9 61.0 91.4
52 29.4 23.3 34.9



#42
1,2-Dichloroethane
Concen: 18.660 ug/l
RT: 5.39 min Scan# 1336
Delta R.T. 0.01 min
Lab File: VU034223.D
Acq: 03 Sep 2019 13:28

Tgt Ion: 62 Resp: 113509
Ion Ratio Lower Upper
62 100
98 9.8 0.0 18.2





#43

Isopropyl Acetate

Concen: 18.160 ug/l

RT: 5.53 min Scan# 1381

Delta R.T. 0.00 min

Lab File: VU034223.D

Acq: 03 Sep 2019 13:28

Instrument :

MSVOA_U

ClientSampleId :

VU0904MBSD01

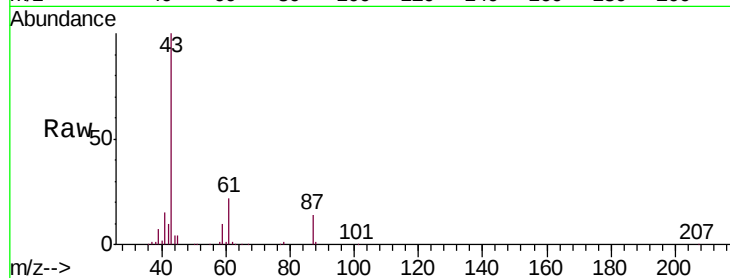
Tgt Ion: 43 Resp: 180132

Ion Ratio Lower Upper

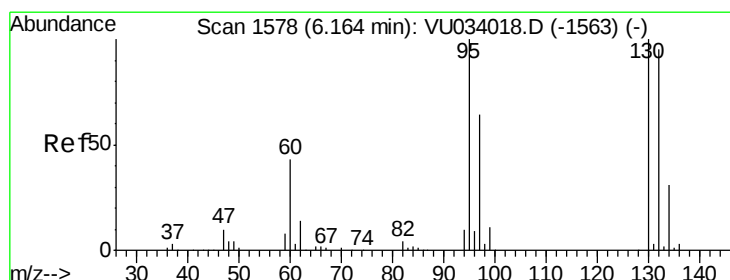
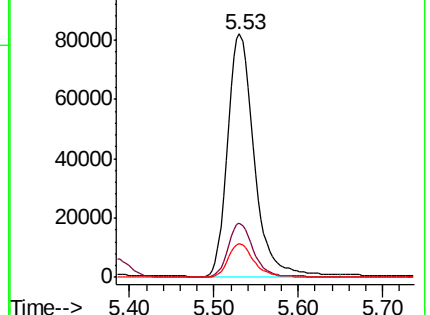
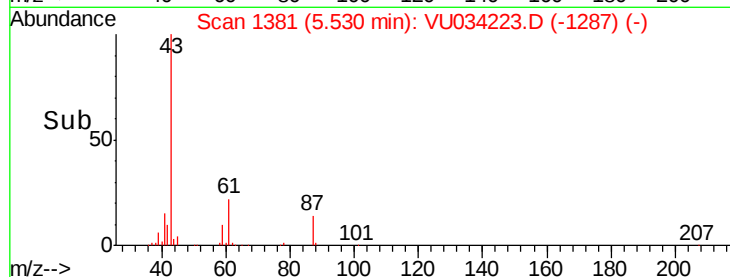
43 100

61 21.4 17.2 25.8

87 13.4 10.8 16.2



Abundance Ion 43.00 (42.70 to 43.70): VU034018.D (-1365) (-)



#44

Trichloroethene

Concen: 18.974 ug/l

RT: 6.17 min Scan# 1579

Delta R.T. 0.00 min

Lab File: VU034223.D

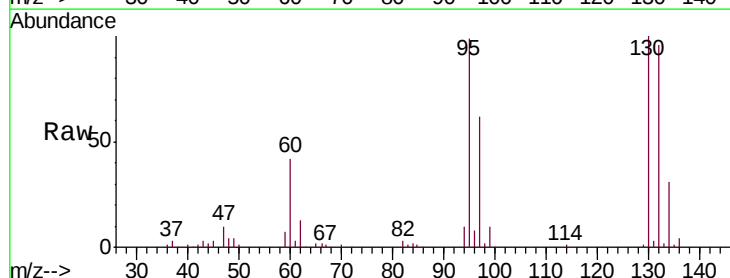
Acq: 03 Sep 2019 13:28

Tgt Ion: 130 Resp: 87771

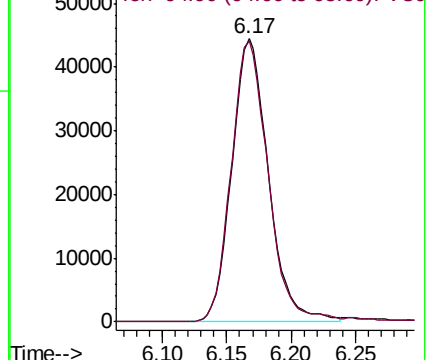
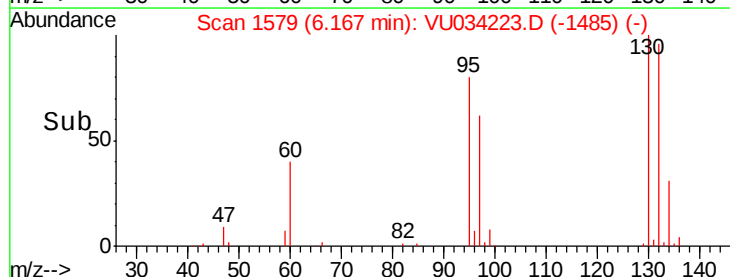
Ion Ratio Lower Upper

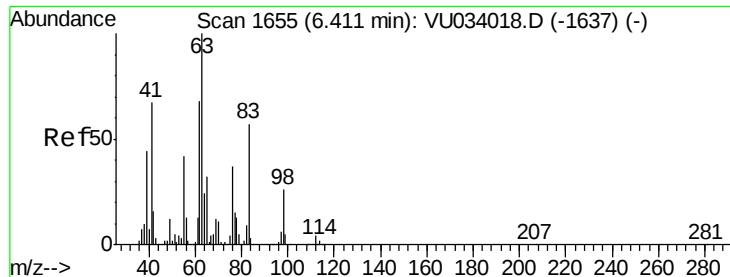
130 100

95 99.1 0.0 199.6



Abundance Ion 129.80 (129.50 to 130.50): VU034018.D (-1563) (-)





#45

1,2-Dichloropropane

Concen: 19.278 ug/l

RT: 6.41 min Scan# 1656

Delta R.T. 0.00 min

Lab File: VU034223.D

Acq: 03 Sep 2019 13:28

Instrument :

MSVOA_U

ClientSampleId :

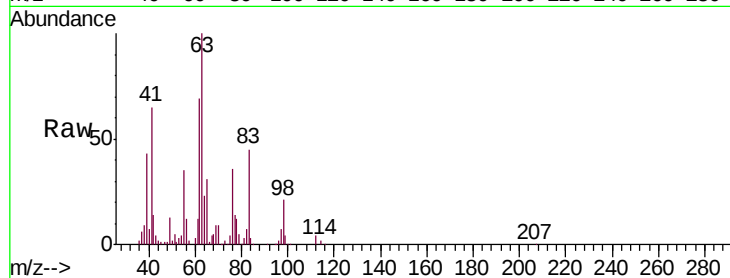
VU0904MBSD01

Tgt Ion: 63 Resp: 93483

Ion Ratio Lower Upper

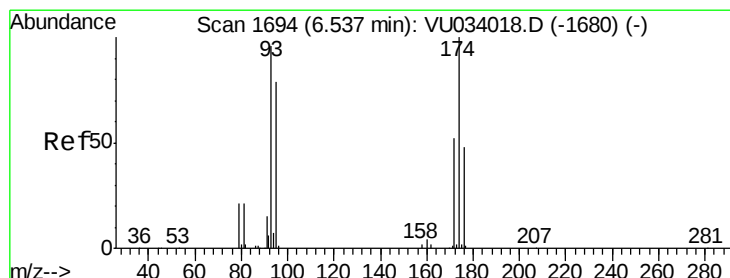
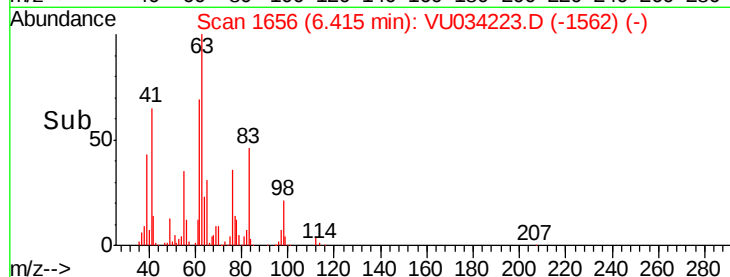
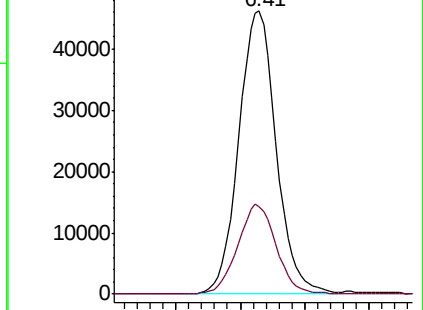
63 100

65 31.0 25.4 38.2



Abundance Ion 62.90 (62.60 to 63.60): VU034018.D (-1637) (-)

Ion 64.90 (64.60 to 65.60): VU034018.D (-1637) (-)



#46

Dibromomethane

Concen: 18.367 ug/l

RT: 6.54 min Scan# 1695

Delta R.T. 0.00 min

Lab File: VU034223.D

Acq: 03 Sep 2019 13:28

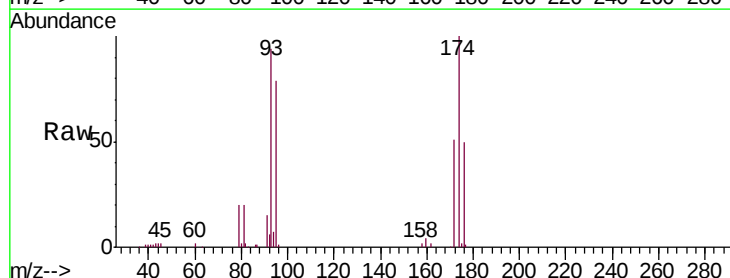
Tgt Ion: 93 Resp: 57382

Ion Ratio Lower Upper

93 100

95 85.8 66.7 100.1

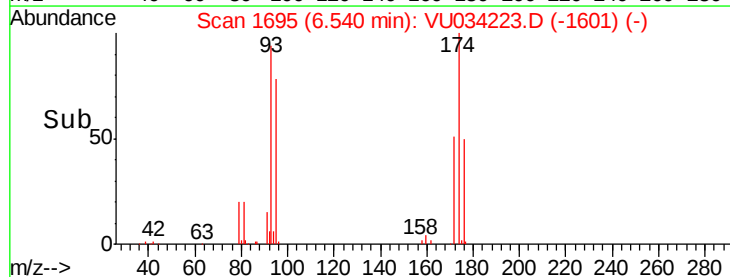
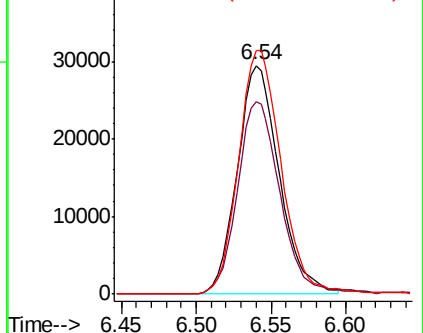
174 108.6 84.9 127.3



Abundance Ion 92.80 (92.50 to 93.50): VU034018.D (-1680) (-)

Ion 94.80 (94.50 to 95.50): VU034018.D (-1680) (-)

Ion 173.70 (173.40 to 174.40): VU034018.D (-1680) (-)





#47

Bromodichloromethane

Concen: 18.899 ug/l

RT: 6.74 min Scan# 1756

Delta R.T. 0.00 min

Lab File: VU034223.D

Acq: 03 Sep 2019 13:28

Instrument :

MSVOA_U

ClientSampleId :

VU0904MBSD01

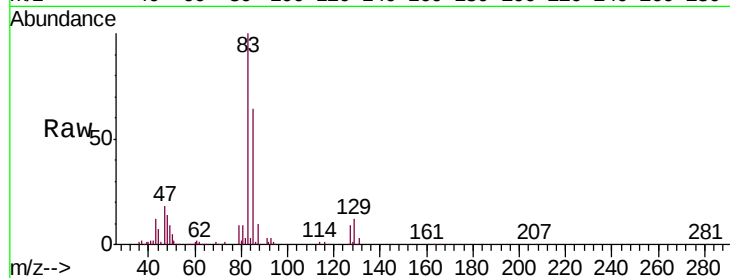
Tgt Ion: 83 Resp: 115519

Ion Ratio Lower Upper

83 100

85 64.4 51.2 76.8

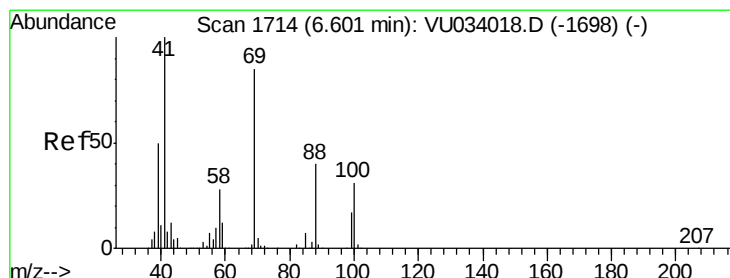
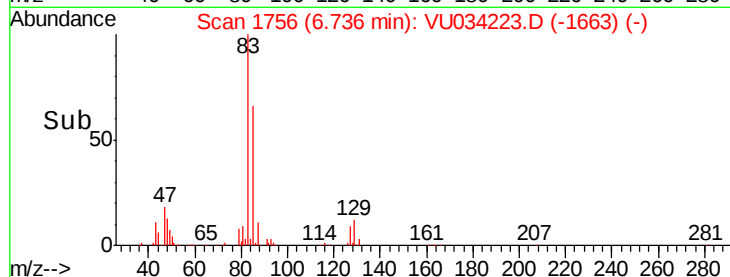
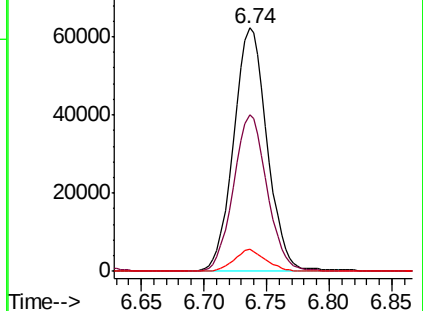
127 8.9 7.0 10.6



Abundance Ion 82.90 (82.60 to 83.60): VU034018.D (-1739) (-)

Ion 84.90 (84.60 to 85.60): VU034018.D (-1739) (-)

Ion 126.80 (126.50 to 127.50): VU034018.D (-1739) (-)



#48

Methyl methacrylate

Concen: 17.493 ug/l

RT: 6.60 min Scan# 1715

Delta R.T. 0.00 min

Lab File: VU034223.D

Acq: 03 Sep 2019 13:28

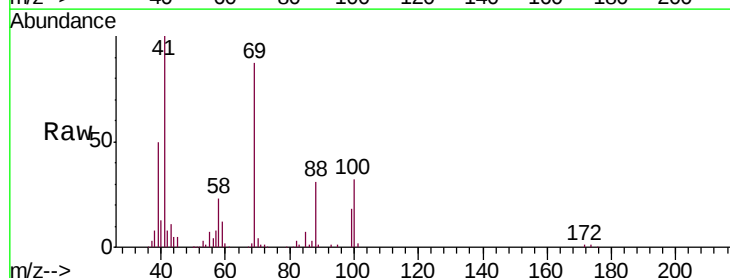
Tgt Ion: 41 Resp: 83729

Ion Ratio Lower Upper

41 100

69 89.2 69.5 104.3

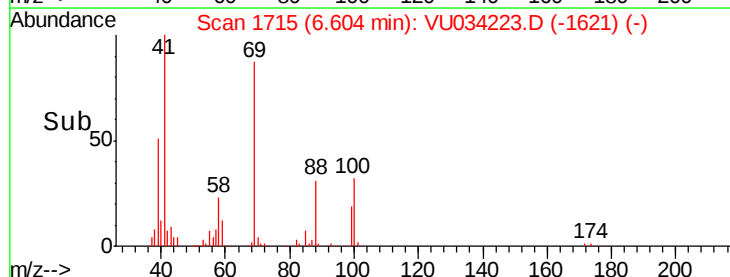
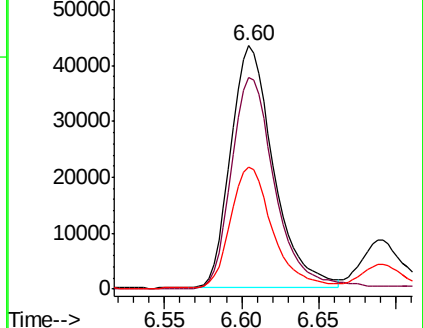
39 48.8 40.3 60.5

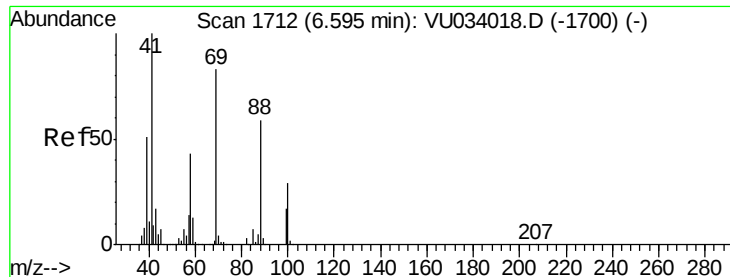


Abundance Ion 41.00 (40.70 to 41.70): VU034018.D (-1698) (-)

Ion 69.00 (68.70 to 69.70): VU034018.D (-1698) (-)

Ion 39.00 (38.70 to 39.70): VU034018.D (-1698) (-)





#49

1,4-Dioxane

Concen: 283.492 ug/l

RT: 6.60 min Scan# 1713

Delta R.T. 0.00 min

Lab File: VU034223.D

Acq: 03 Sep 2019 13:28

Instrument :

MSVOA_U

ClientSampleId :

VU0904MBSD01

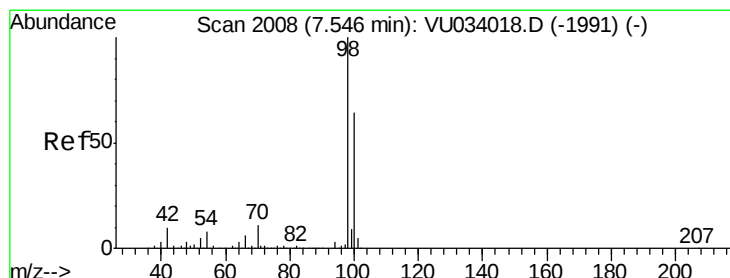
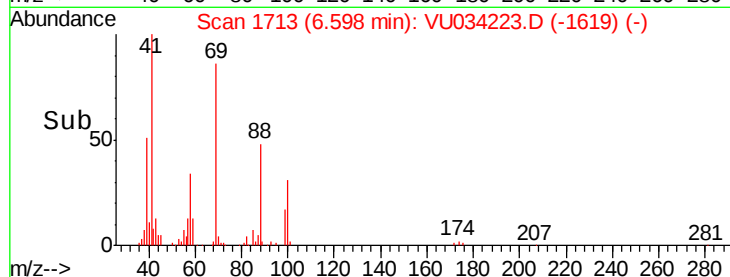
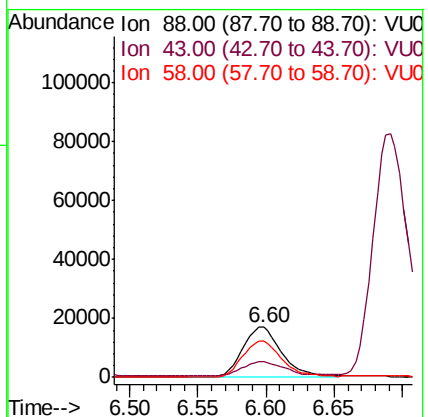
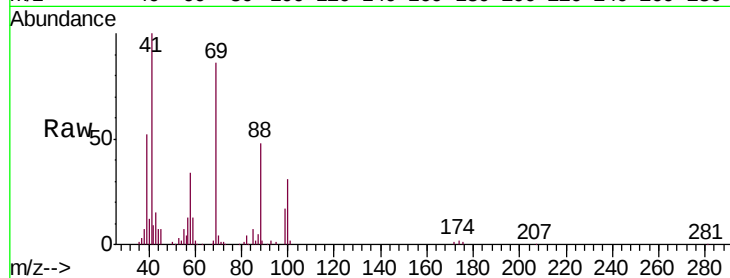
Tgt Ion: 88 Resp: 33999

Ion Ratio Lower Upper

88 100

43 30.2 24.8 37.2

58 73.3 59.3 88.9



#50

Toluene-d8

Concen: 48.146 ug/l

RT: 7.55 min Scan# 2008

Delta R.T. 0.00 min

Lab File: VU034223.D

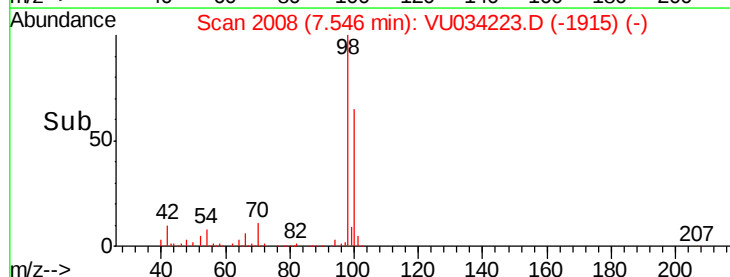
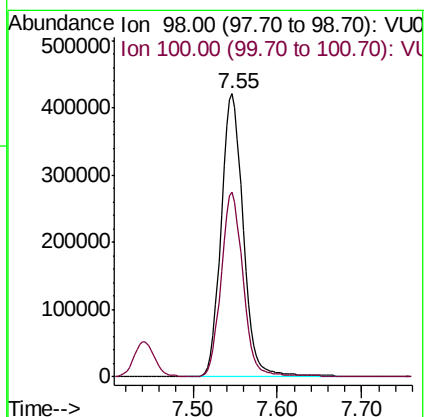
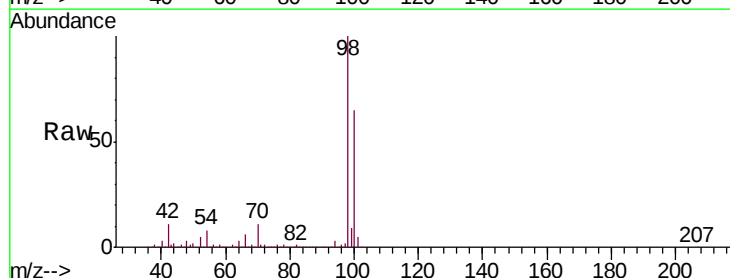
Acq: 03 Sep 2019 13:28

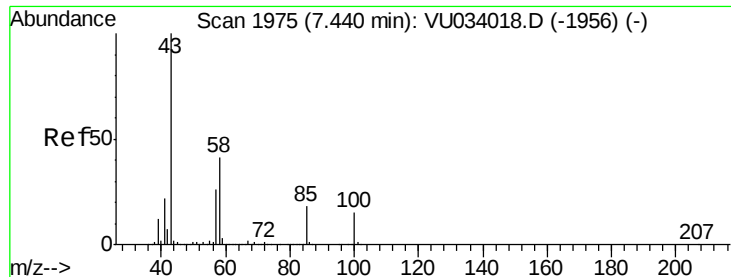
Tgt Ion: 98 Resp: 769678

Ion Ratio Lower Upper

98 100

100 64.2 50.3 75.5

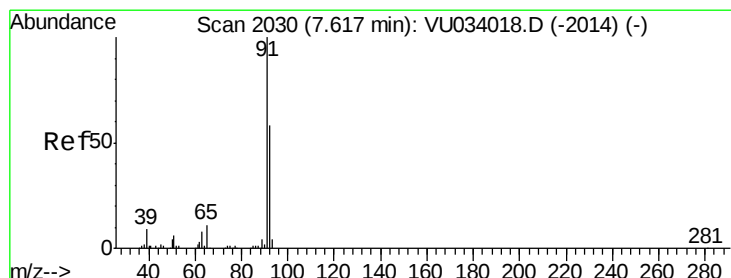
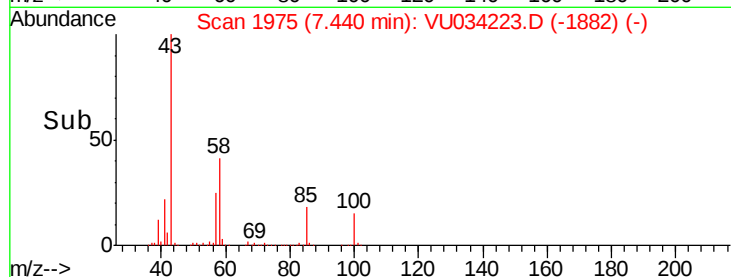
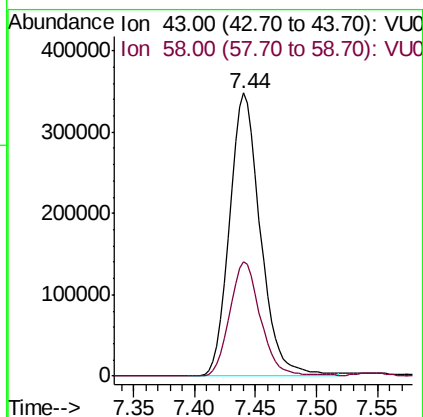
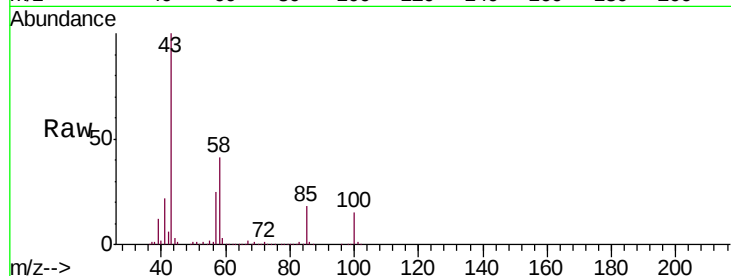




#51
 4-Methyl-2-Pentanone
 Concen: 89.606 ug/l
 RT: 7.44 min Scan# 1975
 Delta R.T. 0.00 min
 Lab File: VU034223.D
 Acq: 03 Sep 2019 13:28

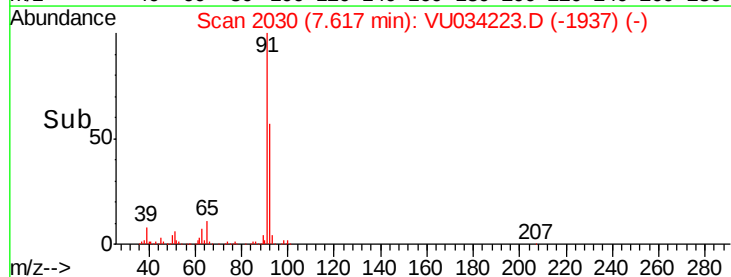
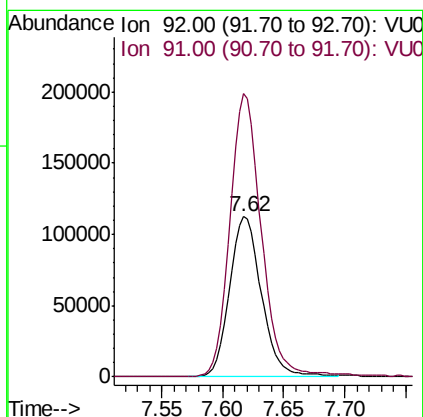
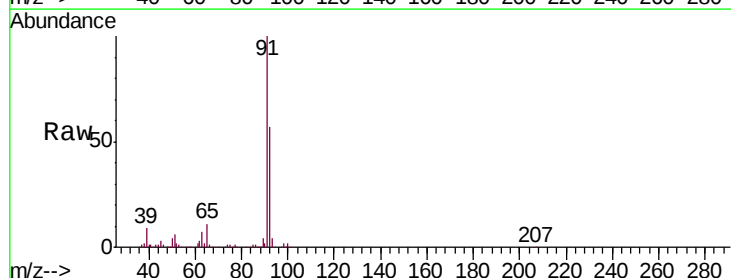
Instrument :
 MSVOA_U
 ClientSampleId :
 VU0904MBSD01

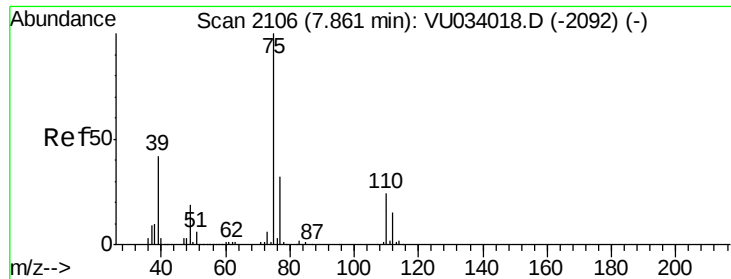
Tgt Ion: 43 Resp: 613825
 Ion Ratio Lower Upper
 43 100
 58 40.4 32.2 48.4



#52
 Toluene
 Concen: 18.993 ug/l
 RT: 7.62 min Scan# 2030
 Delta R.T. 0.00 min
 Lab File: VU034223.D
 Acq: 03 Sep 2019 13:28

Tgt Ion: 92 Resp: 206103
 Ion Ratio Lower Upper
 92 100
 91 174.9 138.3 207.5

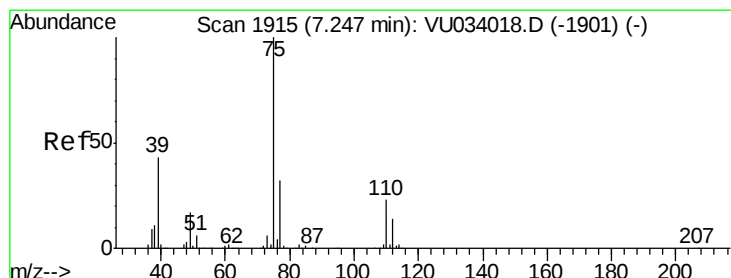
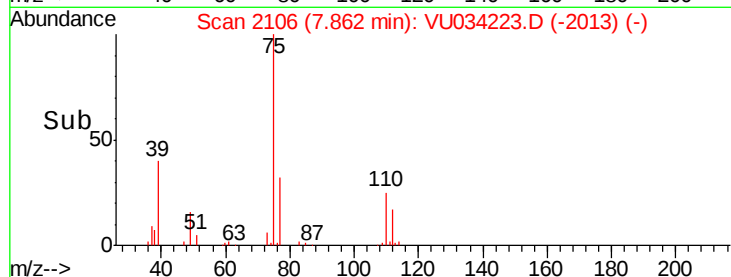
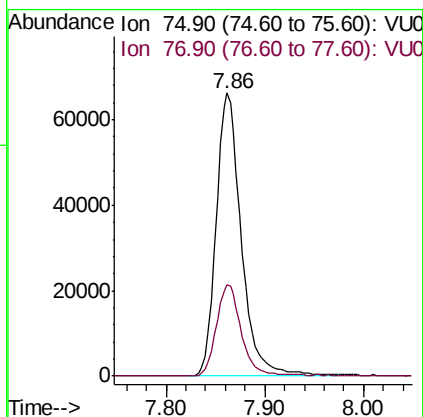
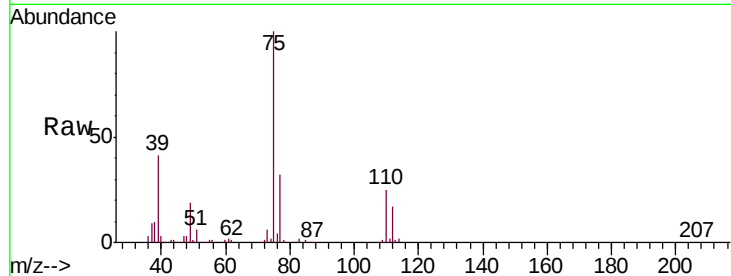




#53
t-1,3-Dichloropropene
Concen: 17.427 ug/l
RT: 7.86 min Scan# 2106
Delta R.T. 0.00 min
Lab File: VU034223.D
Acq: 03 Sep 2019 13:28

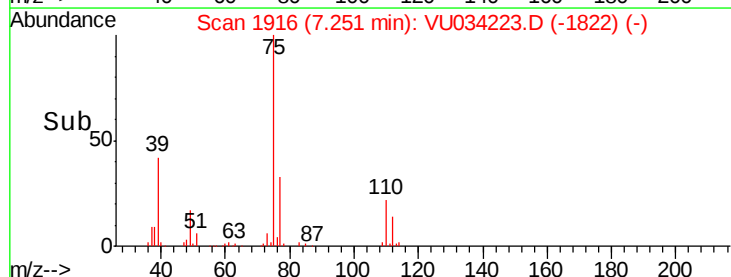
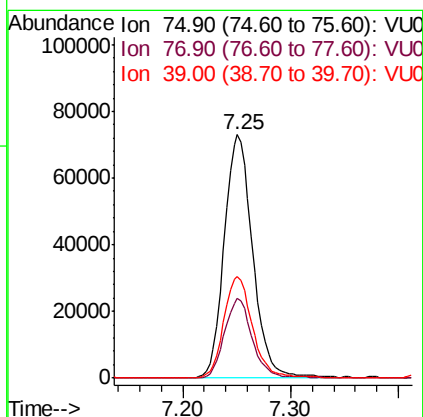
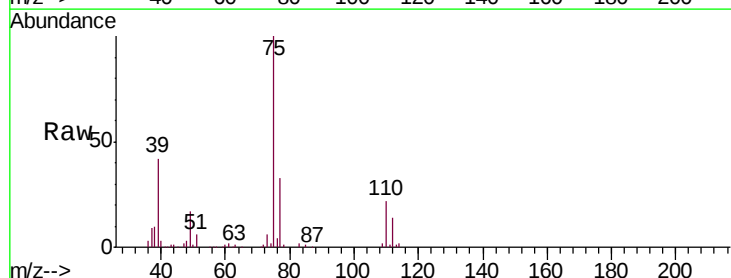
Instrument :
MSVOA_U
ClientSampleId :
VU0904MBSD01

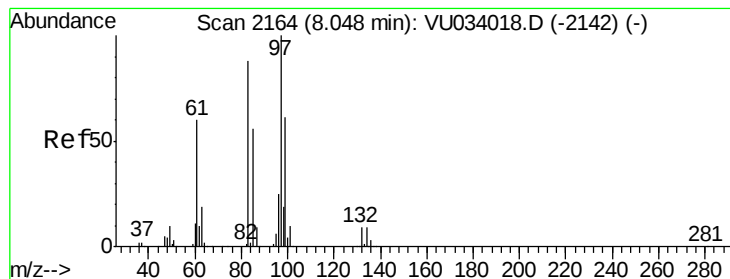
Tgt Ion: 75 Resp: 118195
Ion Ratio Lower Upper
75 100
77 32.3 25.4 38.0



#54
cis-1,3-Dichloropropene
Concen: 18.148 ug/l
RT: 7.25 min Scan# 1916
Delta R.T. 0.00 min
Lab File: VU034223.D
Acq: 03 Sep 2019 13:28

Tgt Ion: 75 Resp: 134470
Ion Ratio Lower Upper
75 100
77 32.5 25.2 37.8
39 41.7 34.6 51.8





#55

1,1,2-Trichloroethane

Concen: 18.565 ug/l

RT: 8.05 min Scan# 2164

Delta R.T. 0.00 min

Lab File: VU034223.D

Acq: 03 Sep 2019 13:28

Instrument :

MSVOA_U

ClientSampleId :

VU0904MBSD01

Tgt Ion: 97 Resp: 85218

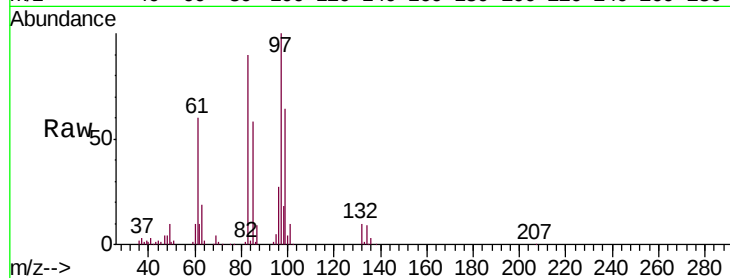
Ion Ratio Lower Upper

97 100

83 90.8 70.1 105.1

85 57.6 45.0 67.4

99 63.2 49.8 74.8

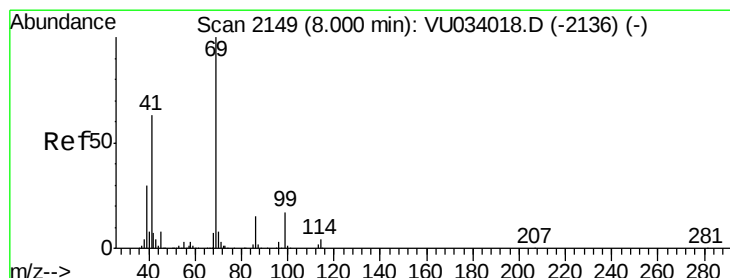
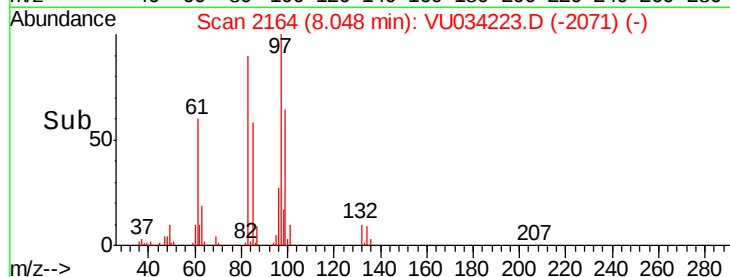
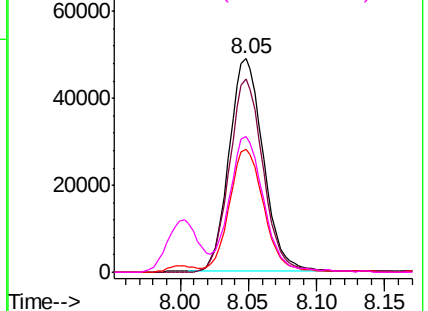


Abundance Ion 96.90 (96.60 to 97.60): VU0

Ion 82.90 (82.60 to 83.60): VU0

Ion 84.90 (84.60 to 85.60): VU0

Ion 98.90 (98.60 to 99.60): VU0



#56

Ethyl methacrylate

Concen: 16.478 ug/l

RT: 8.00 min Scan# 2149

Delta R.T. 0.00 min

Lab File: VU034223.D

Acq: 03 Sep 2019 13:28

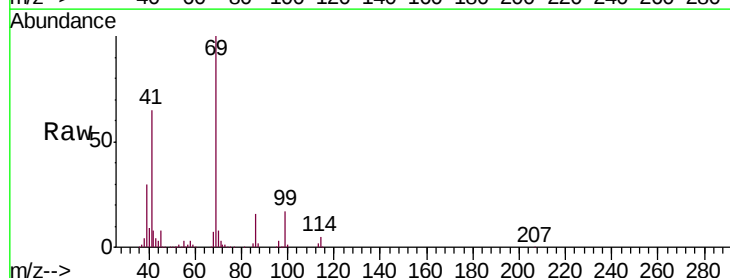
Tgt Ion: 69 Resp: 120405

Ion Ratio Lower Upper

69 100

41 64.4 50.7 76.1

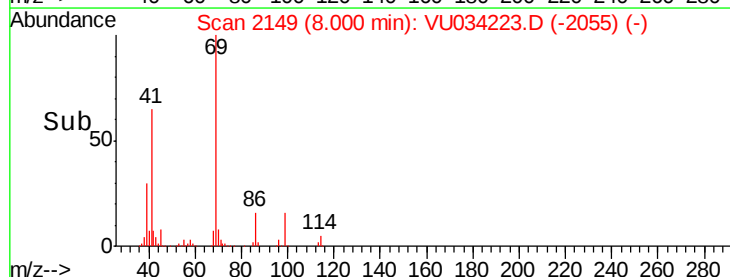
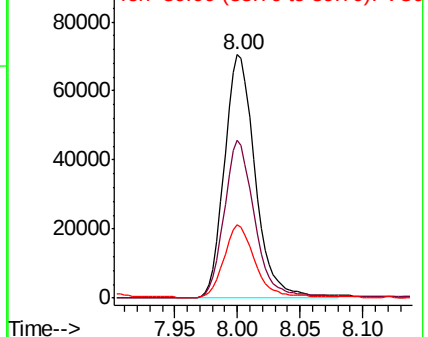
39 29.5 24.2 36.2

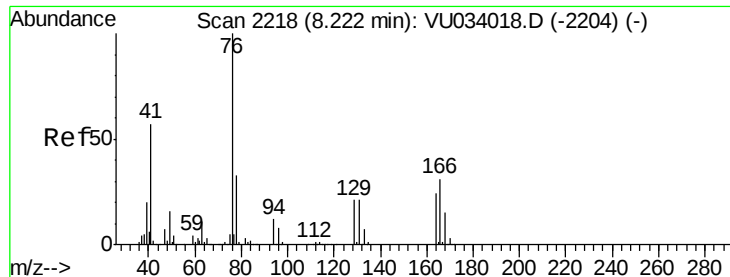


Abundance Ion 69.00 (68.70 to 69.70): VU0

Ion 41.00 (40.70 to 41.70): VU0

Ion 39.00 (38.70 to 39.70): VU0





#57

1,3-Dichloropropane

Concen: 18.562 ug/l

RT: 8.22 min Scan# 2219

Delta R.T. 0.00 min

Lab File: VU034223.D

Acq: 03 Sep 2019 13:28

Instrument :

MSVOA_U

ClientSampleId :

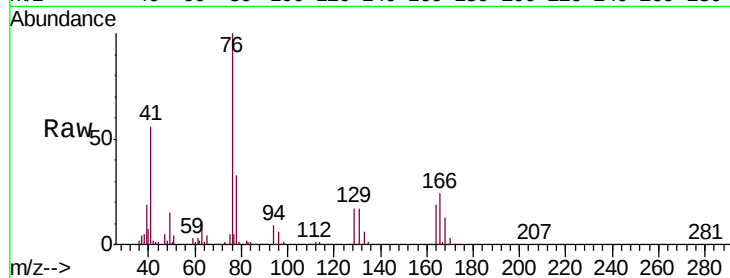
VU0904MBSD01

Tgt Ion: 76 Resp: 144667

Ion Ratio Lower Upper

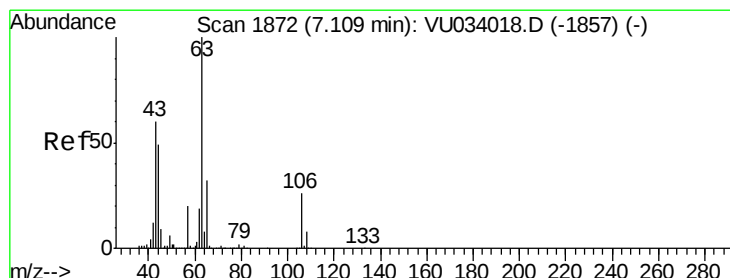
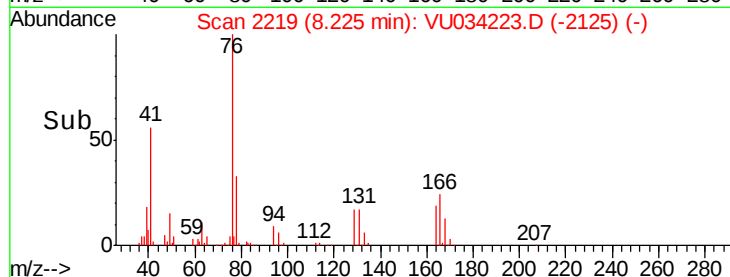
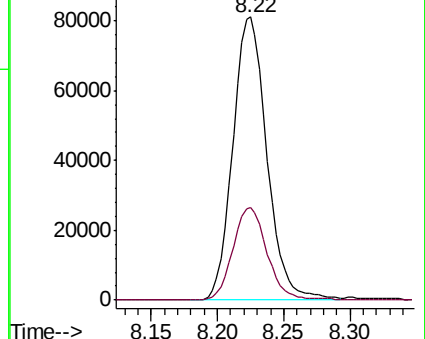
76 100

78 33.0 26.2 39.4



Abundance Ion 75.90 (75.60 to 76.60): VU0

Ion 77.90 (77.60 to 78.60): VU0



#58

2-Chloroethyl Vinyl ether

Concen: 76.918 ug/l

RT: 7.11 min Scan# 1872

Delta R.T. 0.00 min

Lab File: VU034223.D

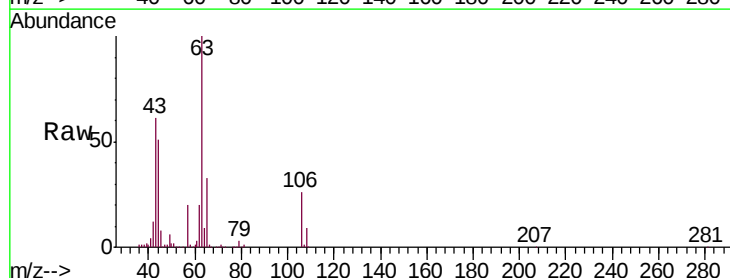
Acq: 03 Sep 2019 13:28

Tgt Ion: 63 Resp: 195327

Ion Ratio Lower Upper

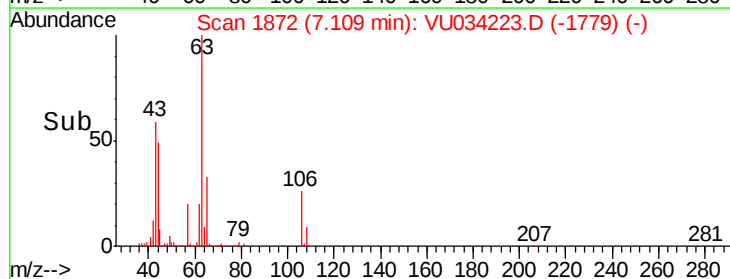
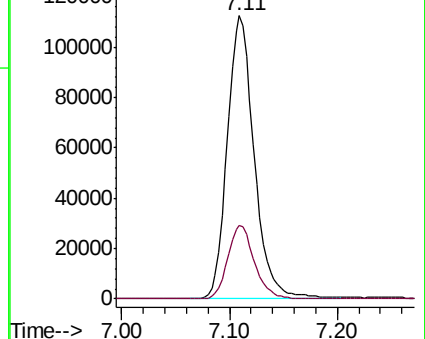
63 100

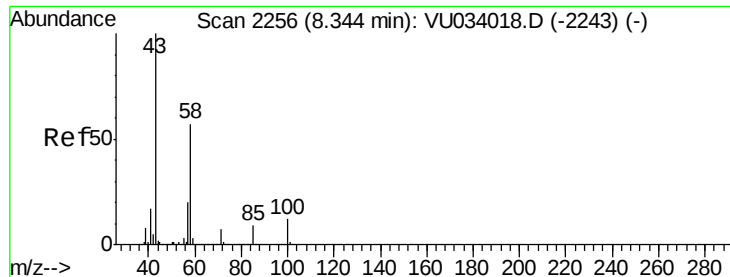
106 25.9 20.7 31.1



Abundance Ion 62.90 (62.60 to 63.60): VU0

Ion 105.90 (105.60 to 106.60): V

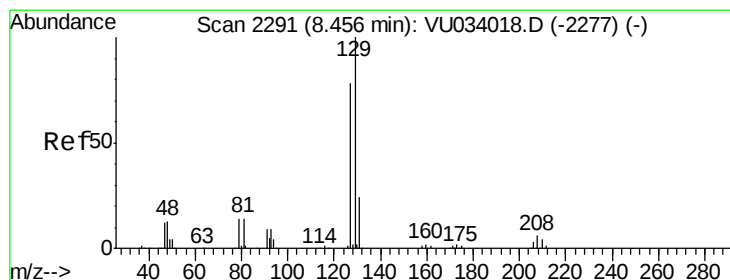
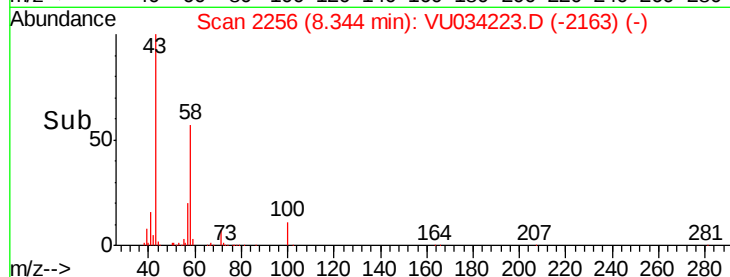
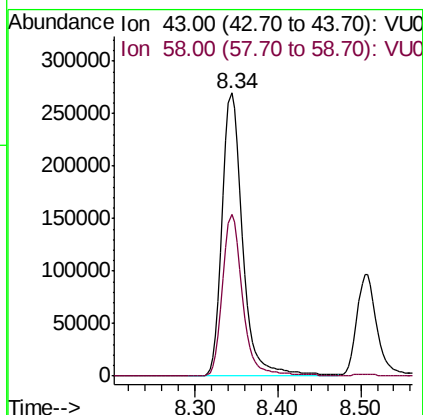
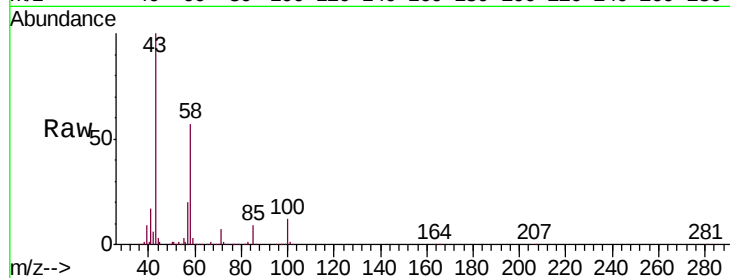




#59
2-Hexanone
Concen: 88.983 ug/l
RT: 8.34 min Scan# 2256
Delta R.T. 0.00 min
Lab File: VU034223.D
Acq: 03 Sep 2019 13:28

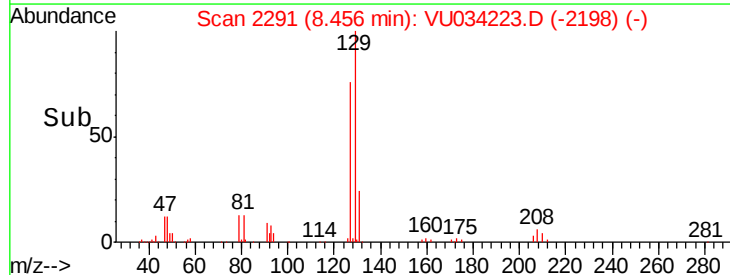
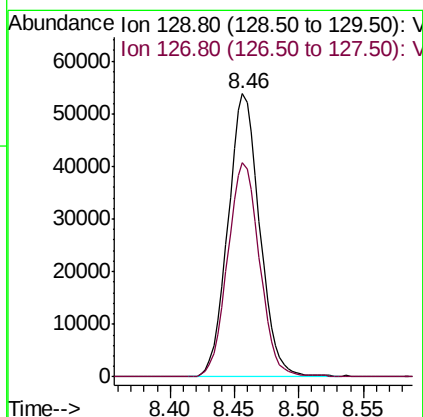
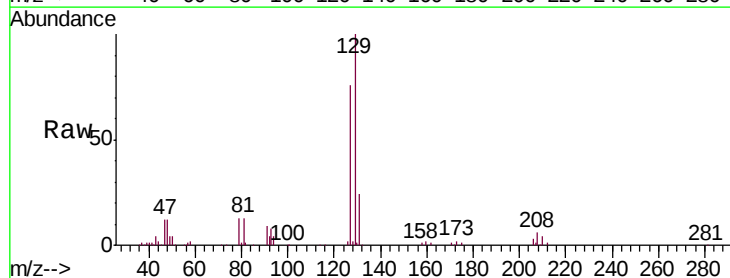
Instrument :
MSVOA_U
ClientSampleId :
VU0904MBSD01

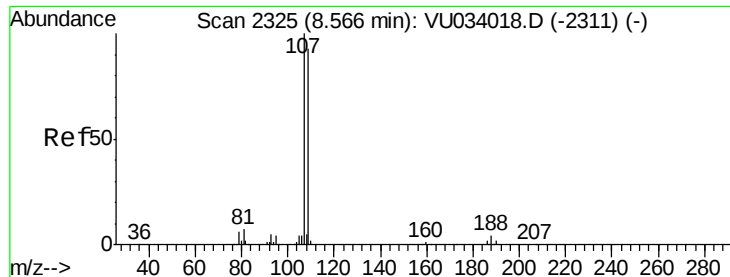
Tgt Ion: 43 Resp: 460161
Ion Ratio Lower Upper
43 100
58 55.5 28.4 85.3



#60
Dibromochloromethane
Concen: 18.651 ug/l
RT: 8.46 min Scan# 2291
Delta R.T. 0.00 min
Lab File: VU034223.D
Acq: 03 Sep 2019 13:28

Tgt Ion: 129 Resp: 91898
Ion Ratio Lower Upper
129 100
127 76.5 39.0 116.9





#61

1,2-Dibromoethane

Concen: 18.095 ug/l

RT: 8.57 min Scan# 2326

Delta R.T. 0.00 min

Lab File: VU034223.D

Acq: 03 Sep 2019 13:28

Instrument :

MSVOA_U

ClientSampleId :

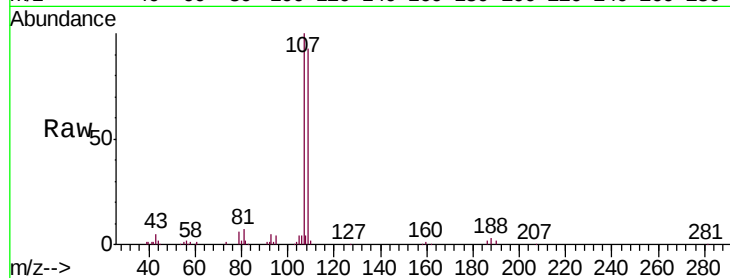
VU0904MBSD01

Tgt Ion: 107 Resp: 87493

Ion Ratio Lower Upper

107 100

109 95.4 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

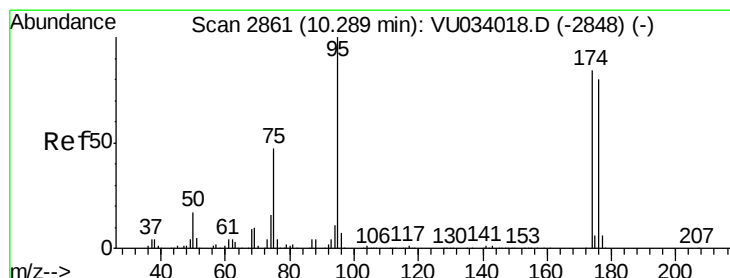
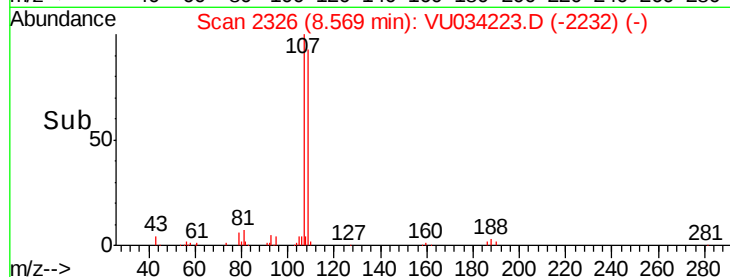
20000

10000

0

8.50 8.55 8.60 8.65

Time-->



#62

4-Bromofluorobenzene

Concen: 45.851 ug/l

RT: 10.29 min Scan# 2860

Delta R.T. -0.00 min

Lab File: VU034223.D

Acq: 03 Sep 2019 13:28

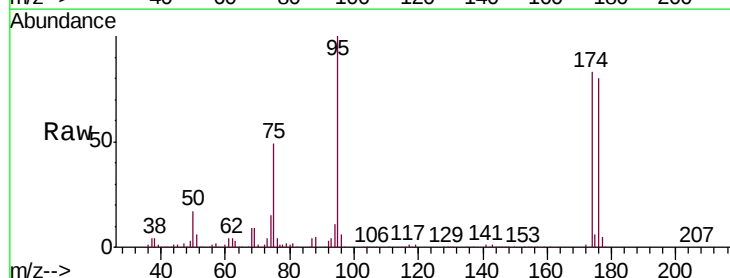
Tgt Ion: 95 Resp: 285128

Ion Ratio Lower Upper

95 100

174 85.4 0.0 168.8

176 82.3 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

10.29

200000

150000

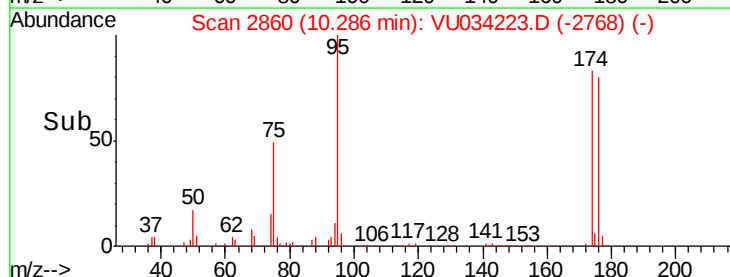
100000

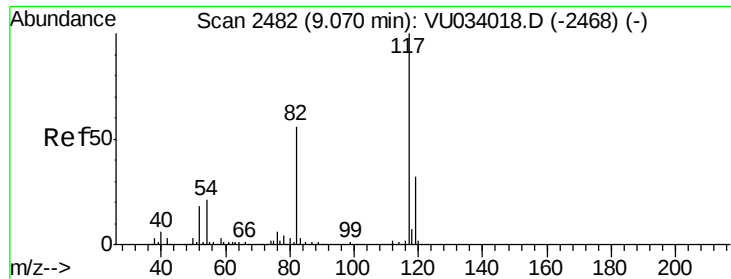
50000

0

10.20 10.30 10.40

Time-->

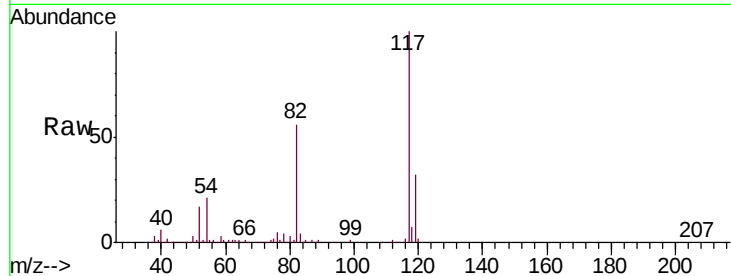




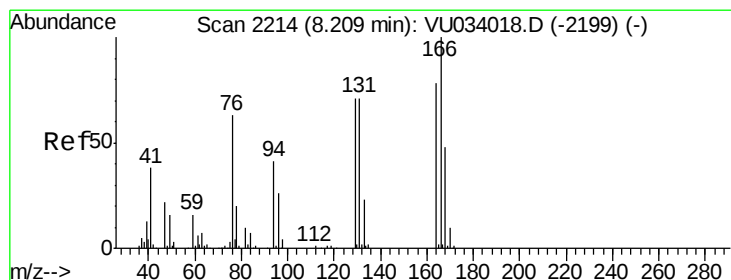
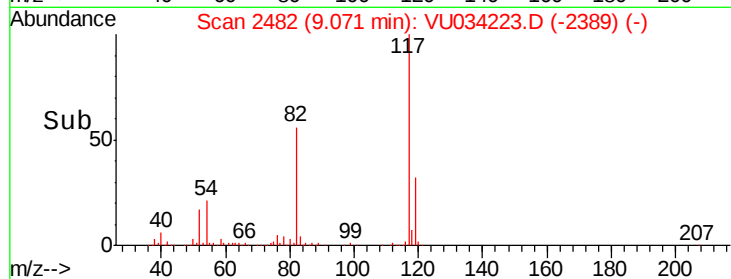
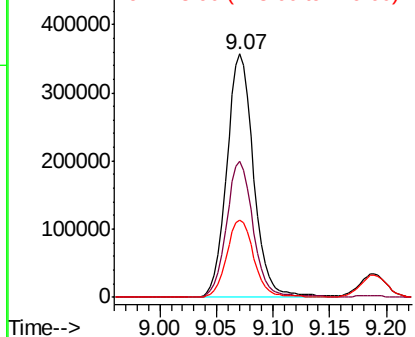
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.07 min Scan# 2482
Delta R.T. 0.00 min
Lab File: VU034223.D
Acq: 03 Sep 2019 13:28

Instrument :
MSVOA_U
ClientSampleId :
VU0904MBSD01

Tgt Ion:117 Resp: 590642
Ion Ratio Lower Upper
117 100
82 55.6 45.1 67.7
119 31.9 25.4 38.0

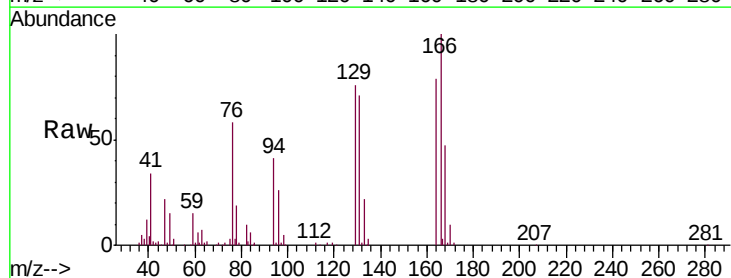


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VU0
Ion 118.90 (118.60 to 119.60): V

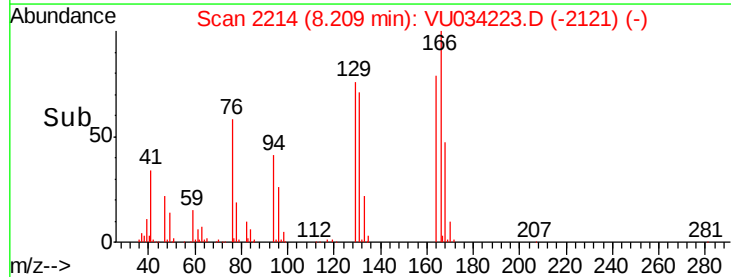
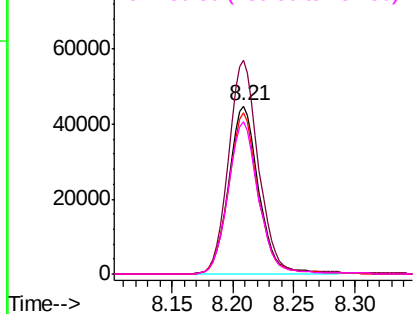


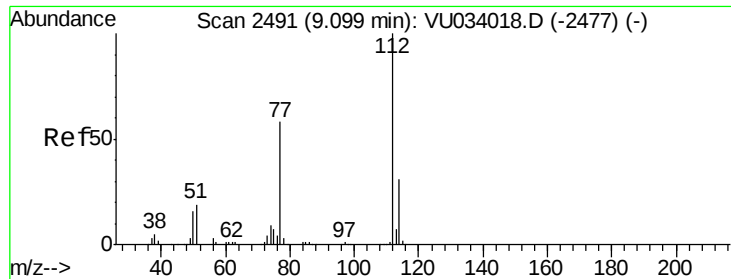
#64
Tetrachloroethene
Concen: 19.557 ug/l
RT: 8.21 min Scan# 2214
Delta R.T. 0.00 min
Lab File: VU034223.D
Acq: 03 Sep 2019 13:28

Tgt Ion:164 Resp: 77572
Ion Ratio Lower Upper
164 100
166 127.2 102.2 153.2
129 96.3 72.4 108.6
131 90.6 72.1 108.1



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

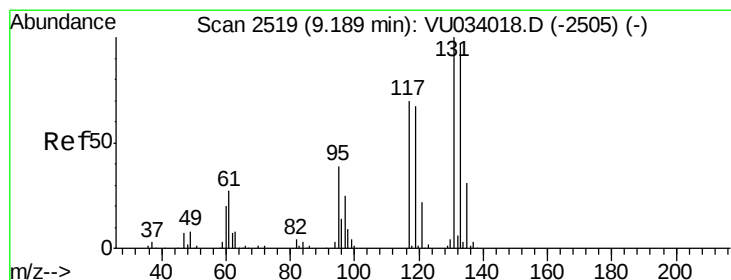
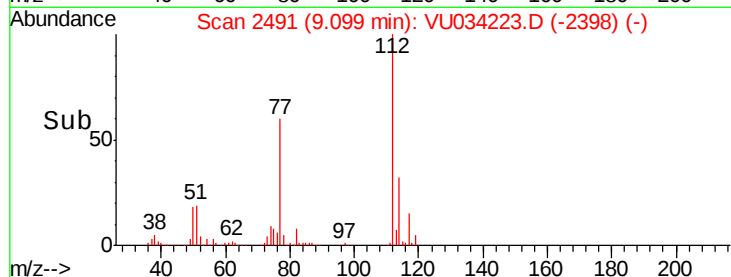
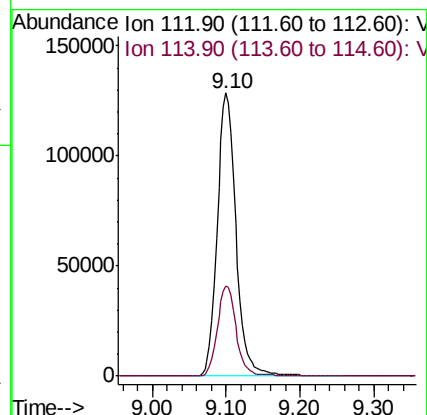
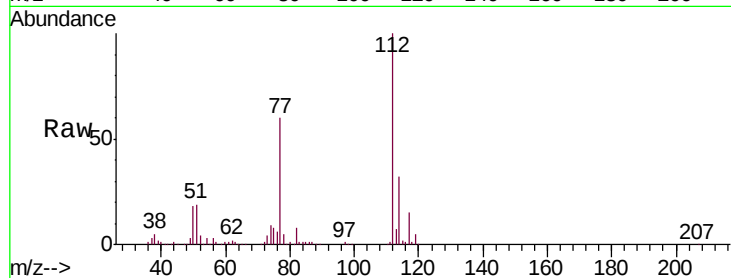




#65
Chlorobenzene
Concen: 18.700 ug/l
RT: 9.10 min Scan# 2491
Delta R.T. 0.00 min
Lab File: VU034223.D
Acq: 03 Sep 2019 13:28

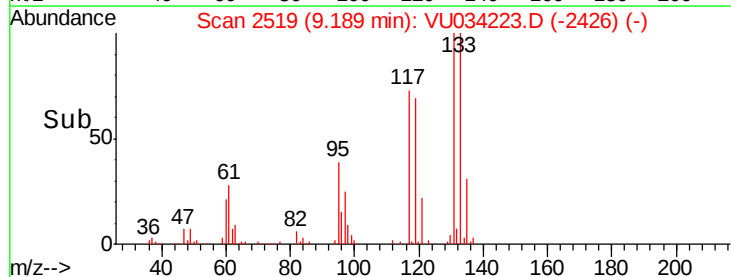
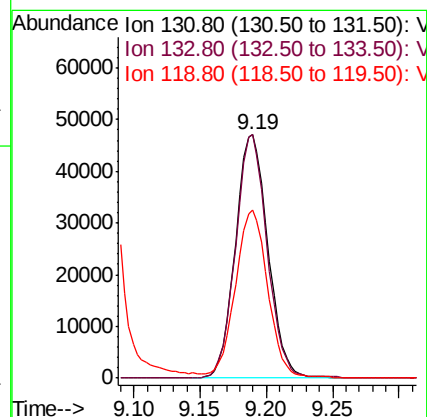
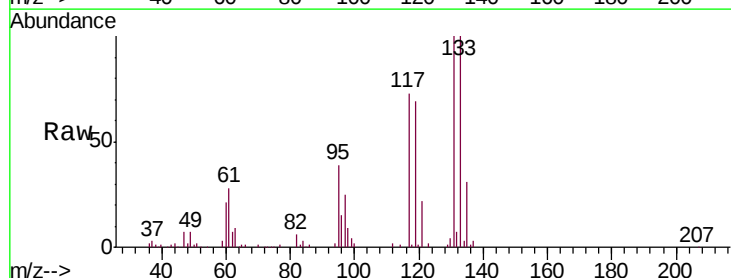
Instrument :
MSVOA_U
ClientSampleId :
VU0904MBSD01

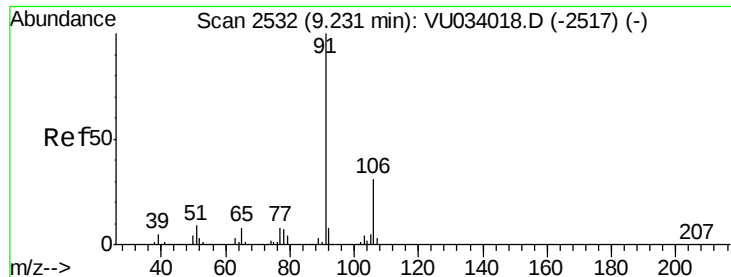
Tgt Ion:112 Resp: 227292
Ion Ratio Lower Upper
112 100
114 31.8 25.0 37.4



#66
1,1,1,2-Tetrachloroethane
Concen: 18.234 ug/l
RT: 9.19 min Scan# 2519
Delta R.T. 0.00 min
Lab File: VU034223.D
Acq: 03 Sep 2019 13:28

Tgt Ion:131 Resp: 80365
Ion Ratio Lower Upper
131 100
133 96.7 48.4 145.2
119 68.5 33.6 100.6

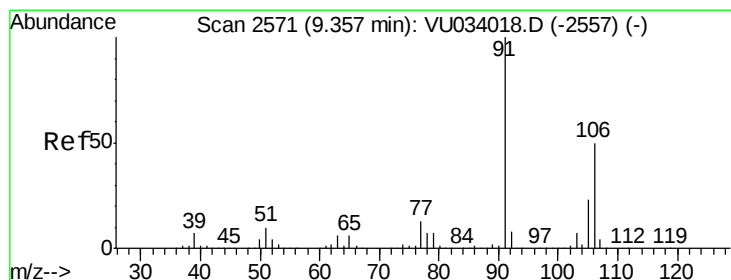
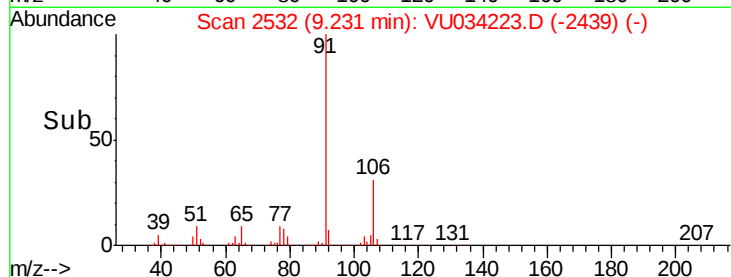
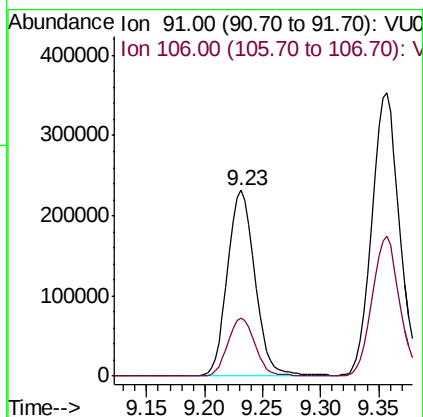
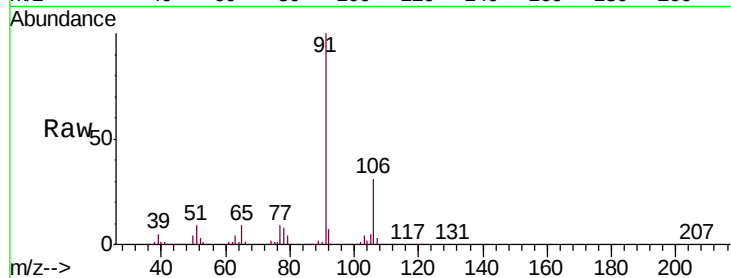




#67
 Ethyl Benzene
 Concen: 18.524 ug/l
 RT: 9.23 min Scan# 2532
 Delta R.T. 0.00 min
 Lab File: VU034223.D
 Acq: 03 Sep 2019 13:28

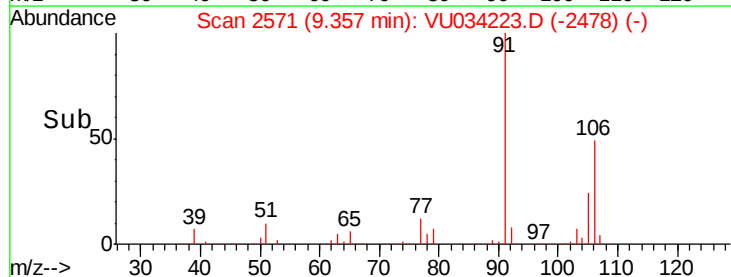
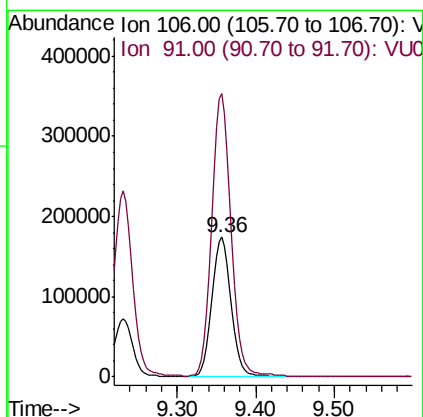
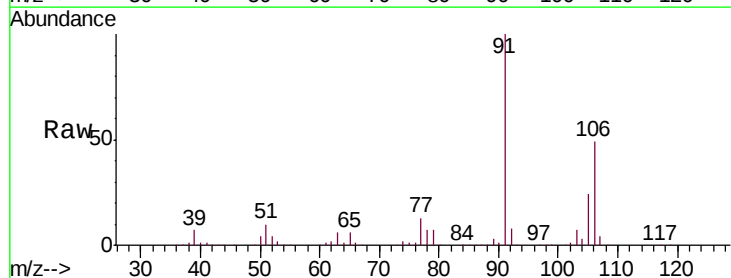
Instrument :
 MSVOA_U
 ClientSampleId :
 VU0904MBSD01

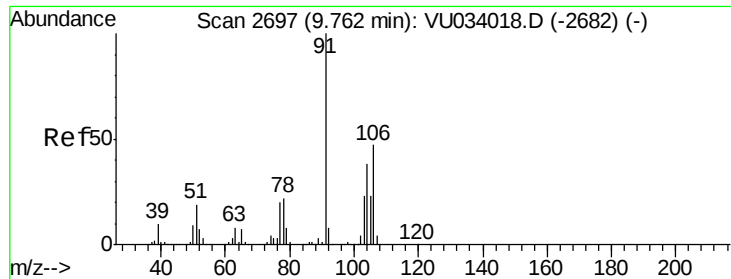
Tgt Ion: 91 Resp: 381662
 Ion Ratio Lower Upper
 91 100
 106 31.3 24.9 37.3



#68
 m/p-Xylenes
 Concen: 37.545 ug/l
 RT: 9.36 min Scan# 2571
 Delta R.T. 0.00 min
 Lab File: VU034223.D
 Acq: 03 Sep 2019 13:28

Tgt Ion: 106 Resp: 294148
 Ion Ratio Lower Upper
 106 100
 91 202.8 161.6 242.4

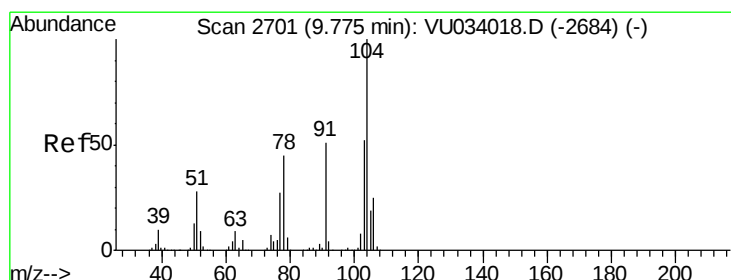
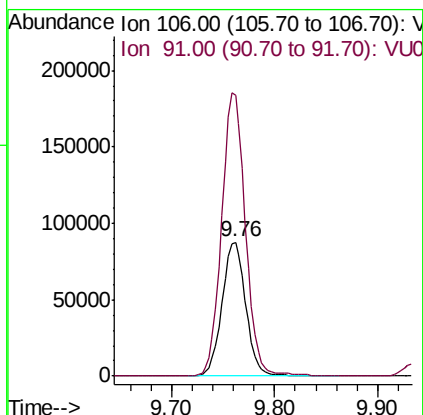
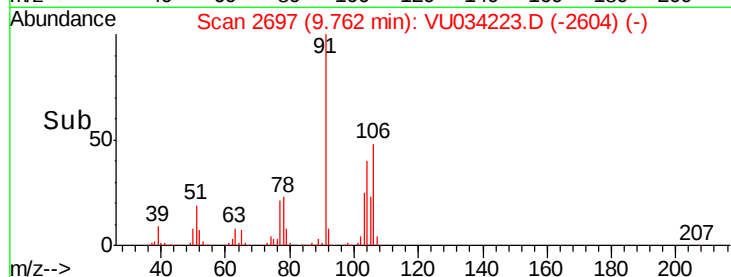
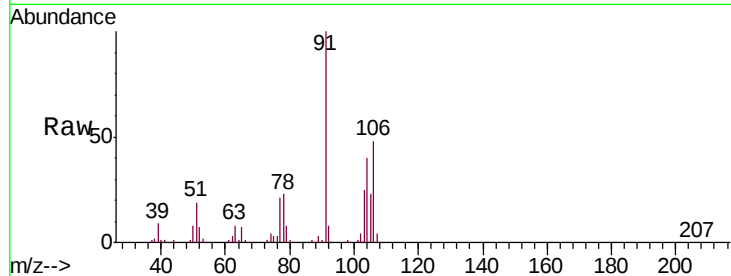




#69
o-Xylene
Concen: 18.698 ug/l
RT: 9.76 min Scan# 2697
Delta R.T. 0.00 min
Lab File: VU034223.D
Acq: 03 Sep 2019 13:28

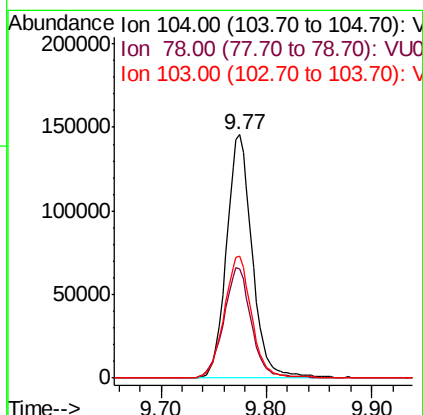
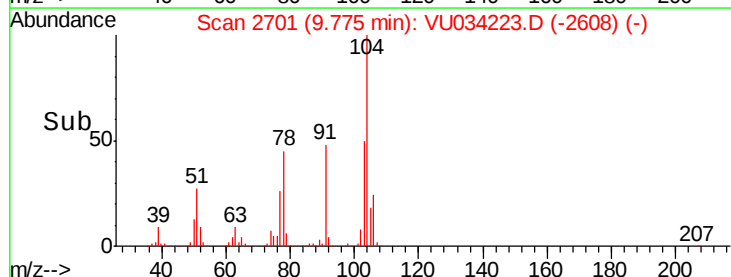
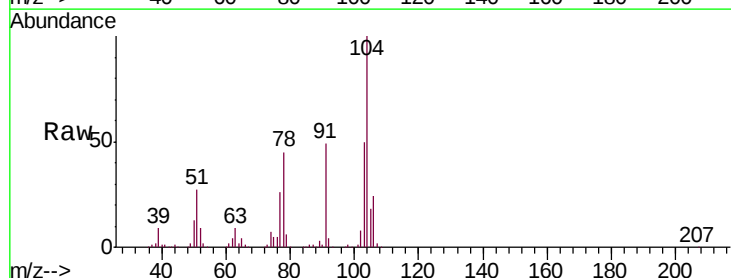
Instrument :
MSVOA_U
ClientSampleId :
VU0904MBSD01

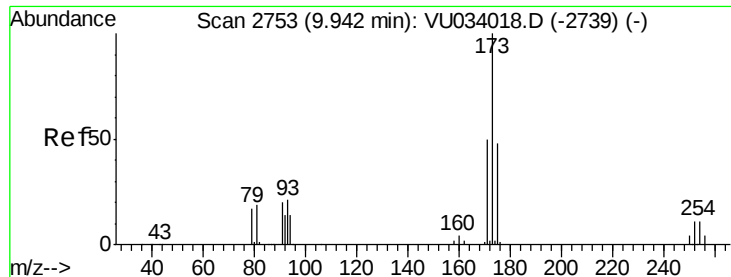
Tgt Ion:106 Resp: 140539
Ion Ratio Lower Upper
106 100
91 212.4 106.0 318.0



#70
Styrene
Concen: 19.009 ug/l
RT: 9.77 min Scan# 2701
Delta R.T. 0.00 min
Lab File: VU034223.D
Acq: 03 Sep 2019 13:28

Tgt Ion:104 Resp: 244985
Ion Ratio Lower Upper
104 100
78 48.9 39.0 58.4
103 53.6 44.0 66.0





#71

Bromoform

Concen: 17.657 ug/l

RT: 9.94 min Scan# 2752

Delta R.T. -0.00 min

Lab File: VU034223.D

Acq: 03 Sep 2019 13:28

Instrument :

MSVOA_U

ClientSampleId :

VU0904MBSD01

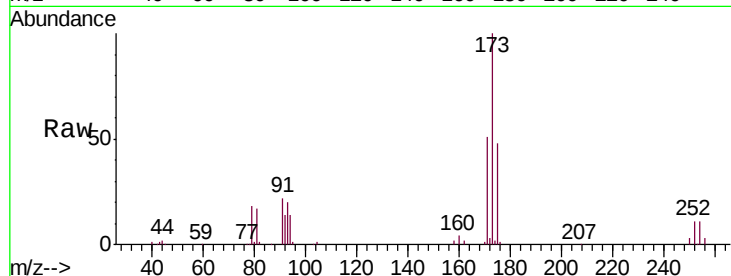
Tgt Ion:173 Resp: 67615

Ion Ratio Lower Upper

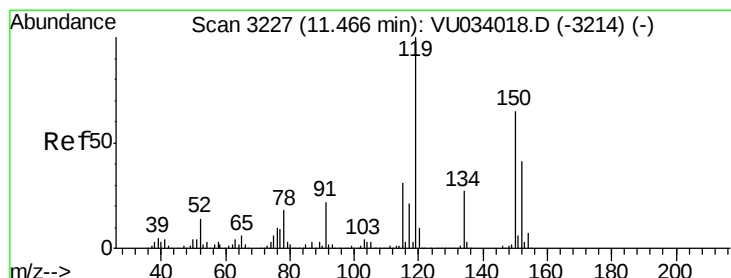
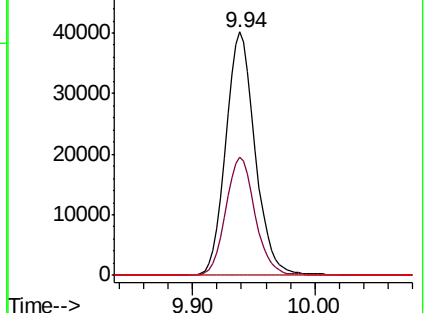
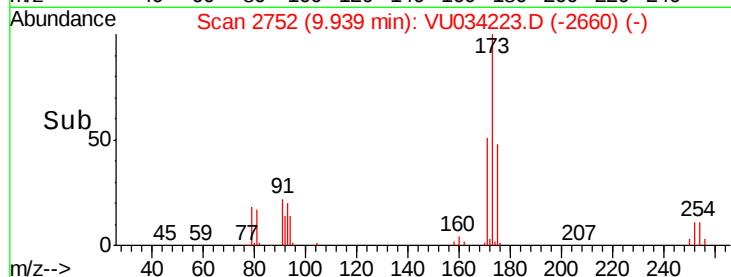
173 100

175 48.8 24.6 73.6

254 0.0 0.0 0.0



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 11.46 min Scan# 3226

Delta R.T. -0.00 min

Lab File: VU034223.D

Acq: 03 Sep 2019 13:28

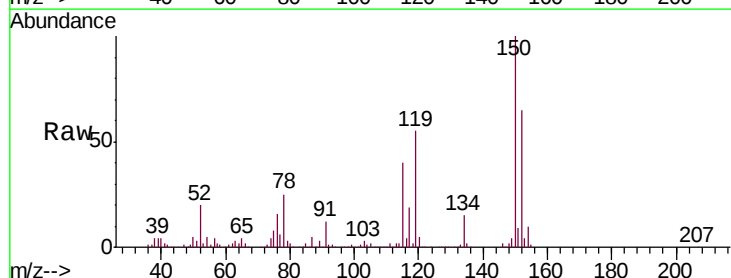
Tgt Ion:152 Resp: 324023

Ion Ratio Lower Upper

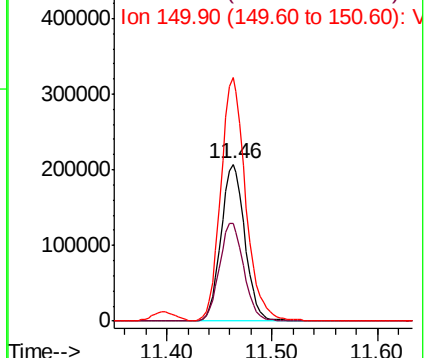
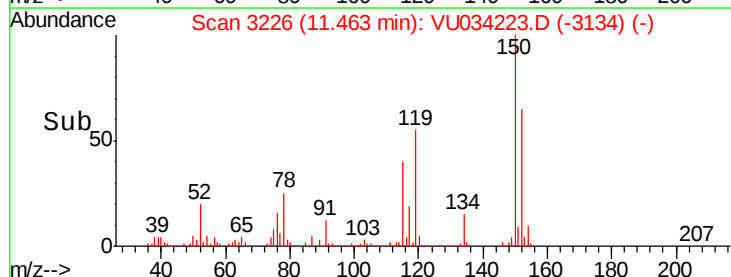
152 100

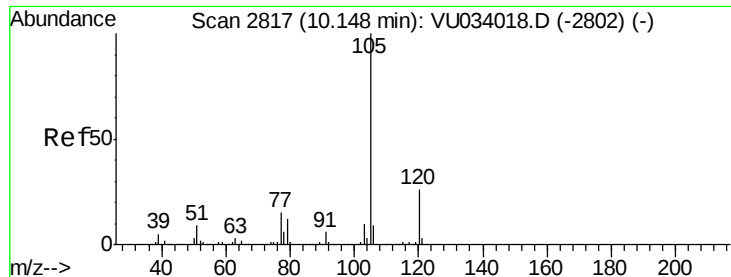
115 64.2 41.1 123.3

150 161.2 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: 17.450 ug/l

RT: 10.15 min Scan# 2817

Delta R.T. 0.00 min

Lab File: VU034223.D

Acq: 03 Sep 2019 13:28

Instrument :

MSVOA_U

ClientSampleId :

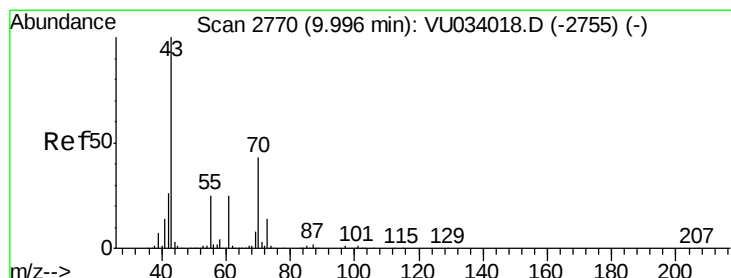
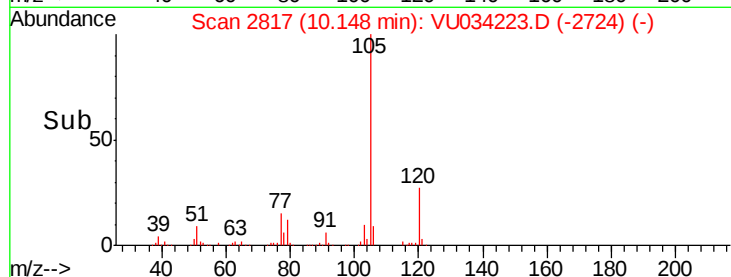
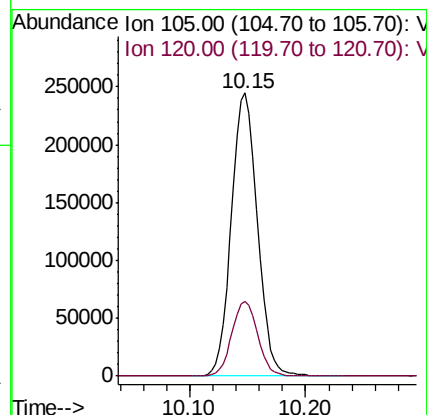
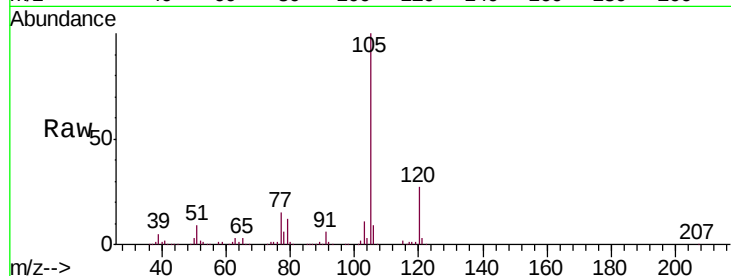
VU0904MBSD01

Tgt Ion: 105 Resp: 379792

Ion Ratio Lower Upper

105 100

120 26.4 13.3 39.8



#74

N-ethyl acetate

Concen: 16.532 ug/l

RT: 10.00 min Scan# 2770

Delta R.T. 0.00 min

Lab File: VU034223.D

Acq: 03 Sep 2019 13:28

Tgt Ion: 43 Resp: 151335

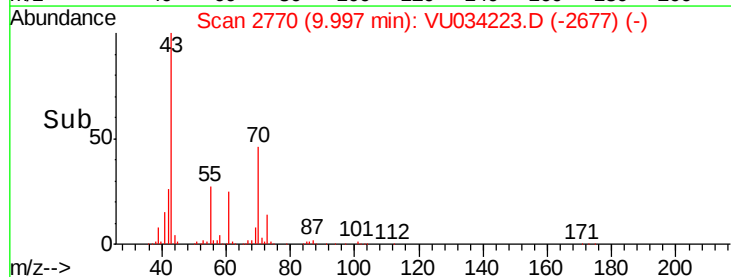
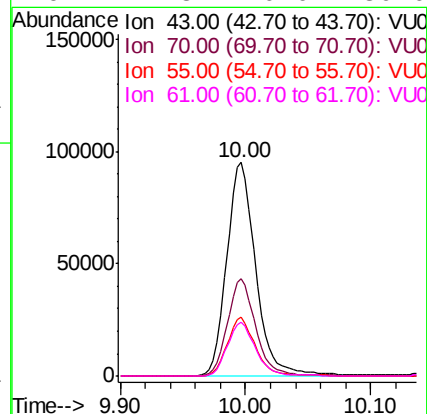
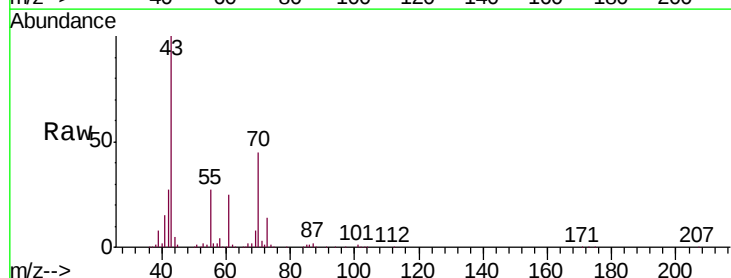
Ion Ratio Lower Upper

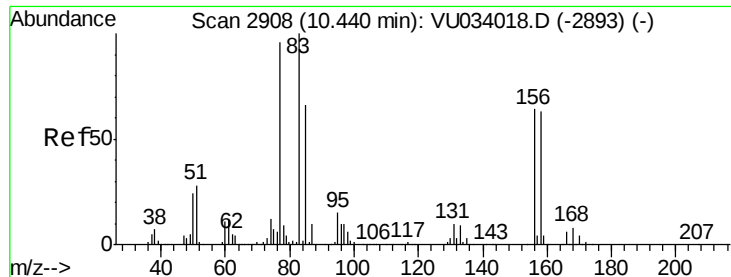
43 100

70 44.2 35.2 52.8

55 26.7 20.5 30.7

61 24.8 20.0 30.0





#75

1,1,2,2-Tetrachloroethane

Concen: 17.450 ug/l

RT: 10.44 min Scan# 2907

Delta R.T. -0.00 min

Lab File: VU034223.D

Acq: 03 Sep 2019 13:28

Instrument :

MSVOA_U

ClientSampleId :

VU0904MBSD01

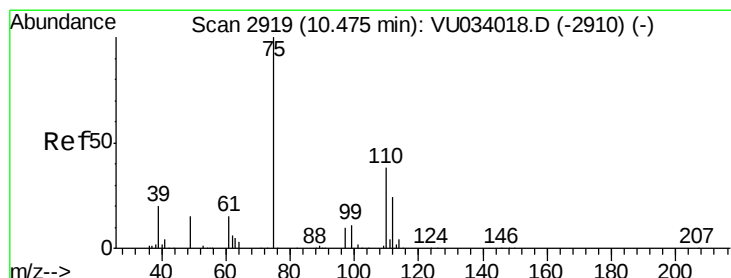
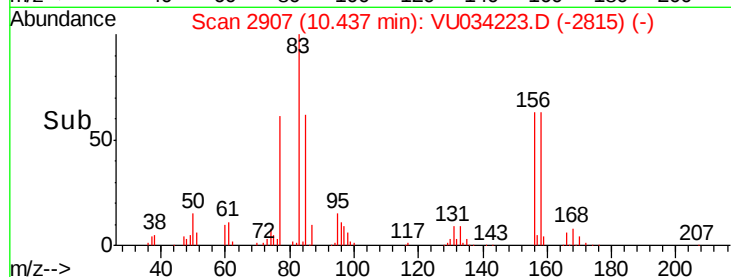
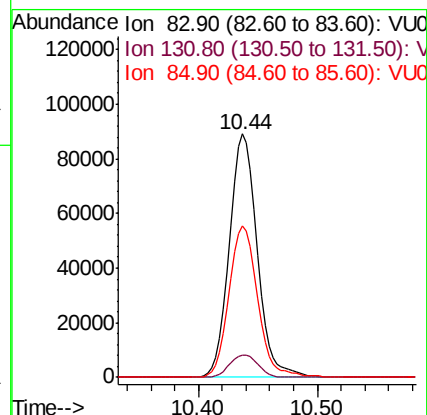
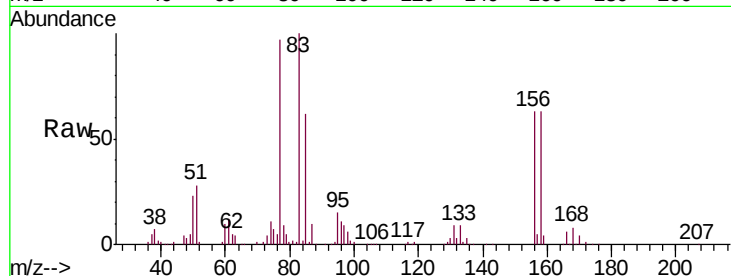
Tgt Ion: 83 Resp: 145362

Ion Ratio Lower Upper

83 100

131 9.4 5.0 14.9

85 63.8 32.2 96.6



#76

1,2,3-Trichloropropane

Concen: 21.281 ug/l

RT: 10.48 min Scan# 2919

Delta R.T. 0.00 min

Lab File: VU034223.D

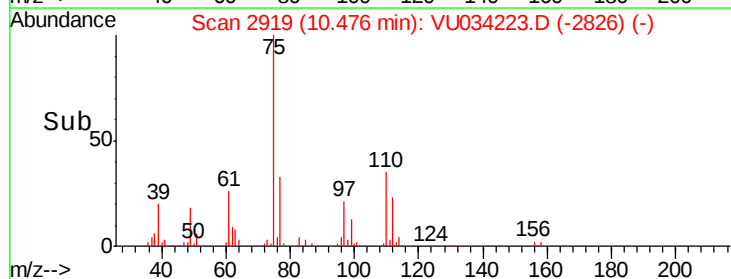
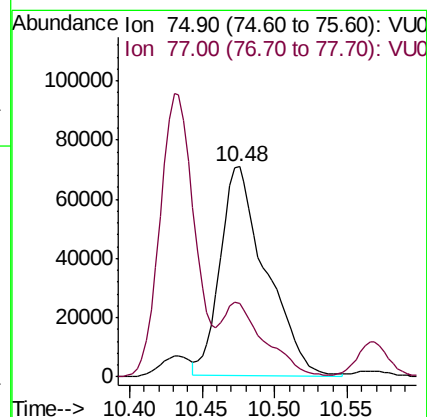
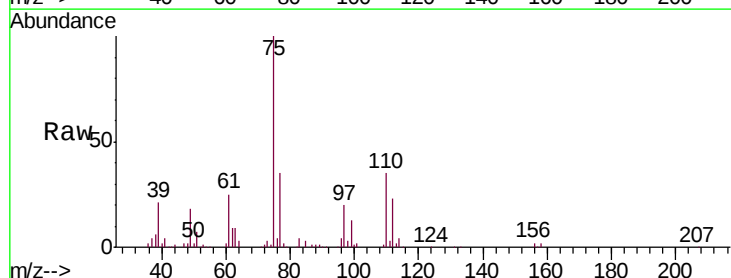
Acq: 03 Sep 2019 13:28

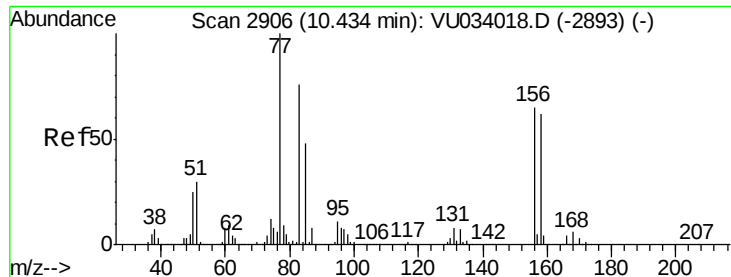
Tgt Ion: 75 Resp: 155410

Ion Ratio Lower Upper

75 100

77 32.7 20.1 60.2





#77

Bromobenzene

Concen: 17.596 ug/l

RT: 10.43 min Scan# 2906

Delta R.T. 0.00 min

Lab File: VU034223.D

Acq: 03 Sep 2019 13:28

Instrument :

MSVOA_U

ClientSampleId :

VU0904MBSD01

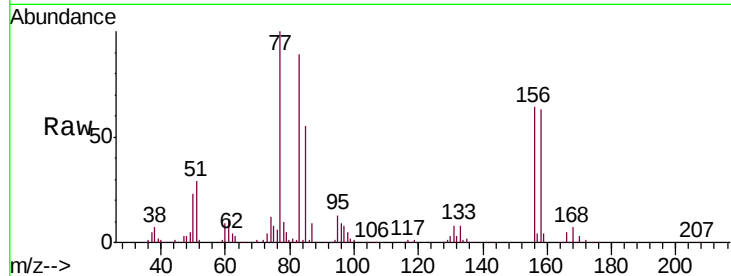
Tgt Ion:156 Resp: 103018

Ion Ratio Lower Upper

156 100

77 156.0 76.8 230.5

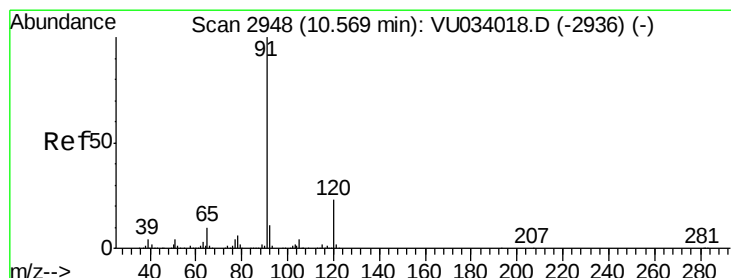
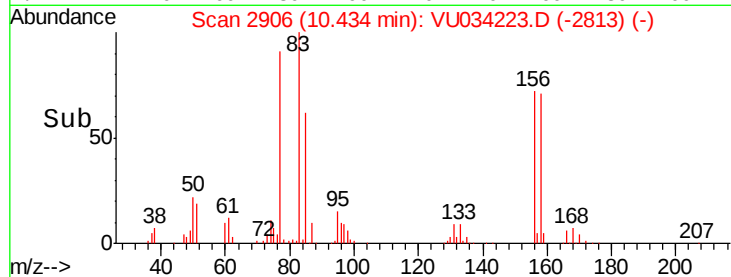
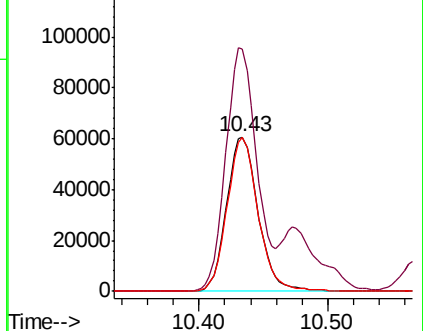
158 98.2 48.4 145.0



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: 17.689 ug/l

RT: 10.57 min Scan# 2948

Delta R.T. 0.00 min

Lab File: VU034223.D

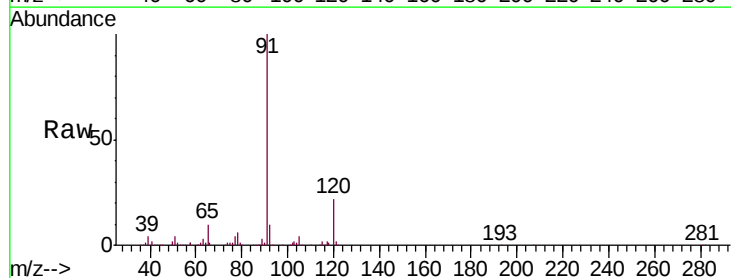
Acq: 03 Sep 2019 13:28

Tgt Ion: 91 Resp: 448365

Ion Ratio Lower Upper

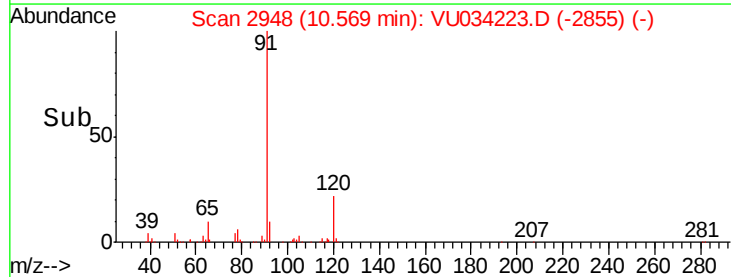
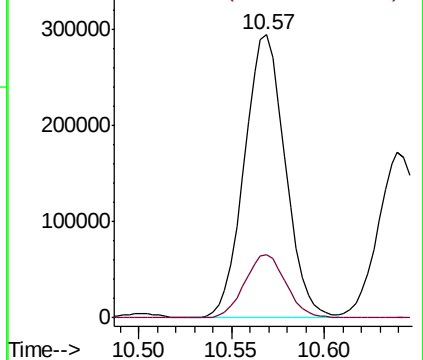
91 100

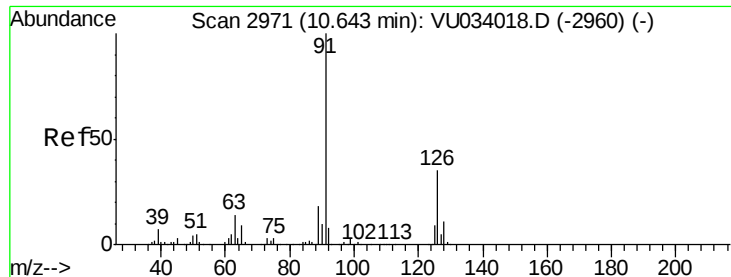
120 22.7 11.7 35.0



Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 18.106 ug/l

RT: 10.64 min Scan# 2970

Delta R.T. -0.00 min

Lab File: VU034223.D

Acq: 03 Sep 2019 13:28

Instrument :

MSVOA_U

ClientSampleId :

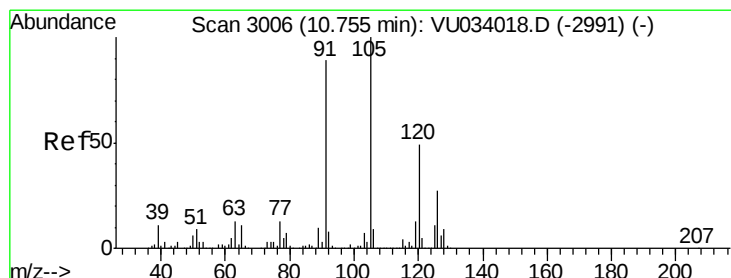
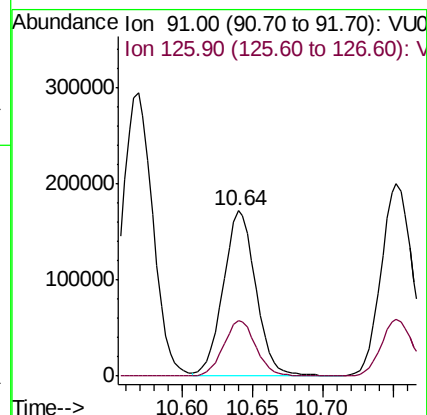
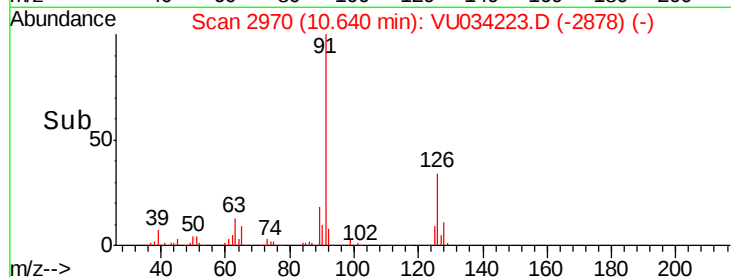
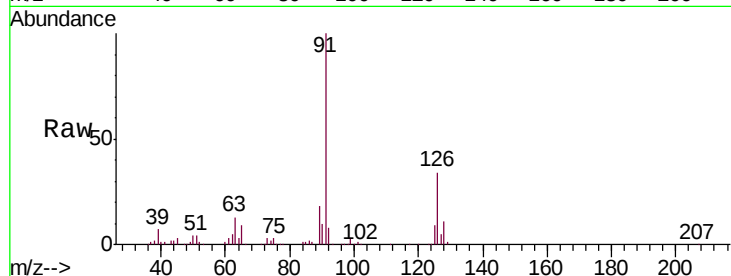
VU0904MBSD01

Tgt Ion: 91 Resp: 275272

Ion Ratio Lower Upper

91 100

126 33.5 17.1 51.2



#80

1,3,5-Trimethylbenzene

Concen: 17.974 ug/l

RT: 10.75 min Scan# 3005

Delta R.T. -0.00 min

Lab File: VU034223.D

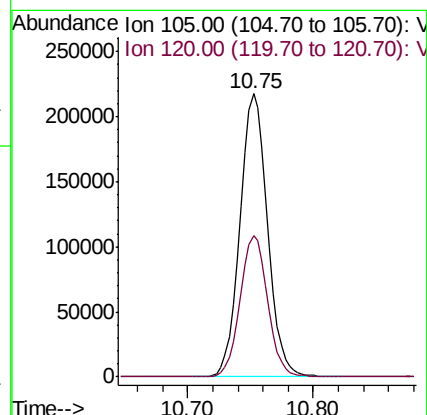
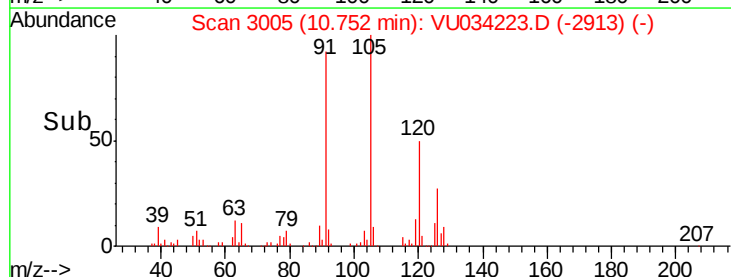
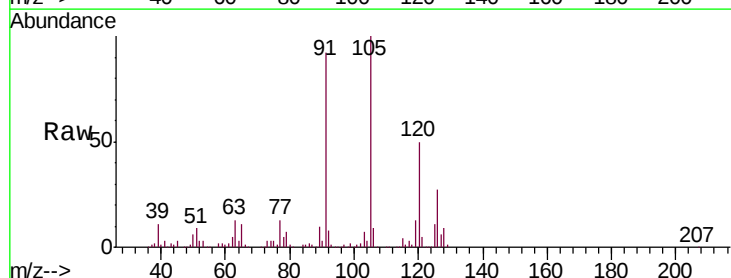
Acq: 03 Sep 2019 13:28

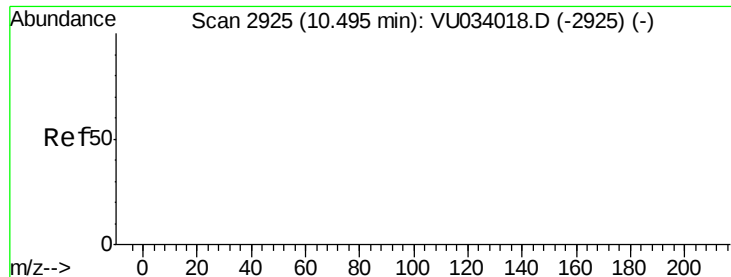
Tgt Ion: 105 Resp: 331559

Ion Ratio Lower Upper

105 100

120 49.9 24.6 73.6





#81

trans-1,4-Dichloro-2-butene

Concen: 72.084 ug/l

RT: 10.48 min Scan# 2919

Delta R.T. -0.02 min

Lab File: VU034223.D

Acq: 03 Sep 2019 13:28

Instrument :

MSVOA_U

ClientSampleId :

VU0904MBSD01

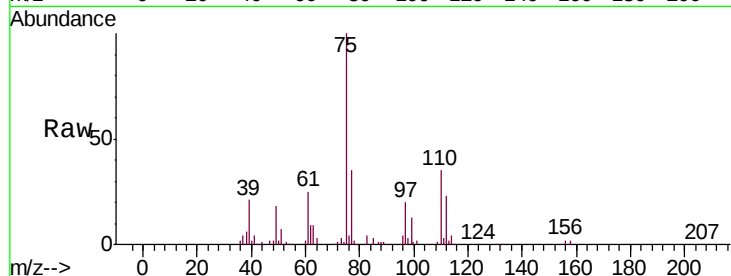
Tgt Ion: 75 Resp: 156336

Ion Ratio Lower Upper

75 100

53 0.0 0.0 0.0

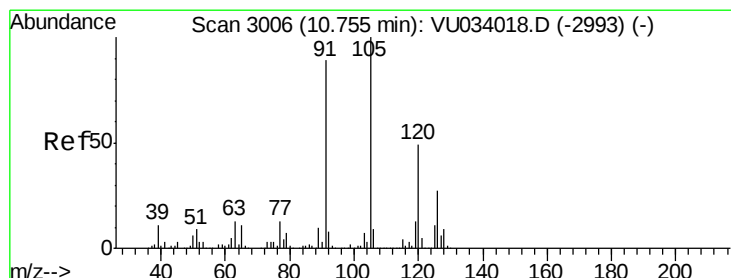
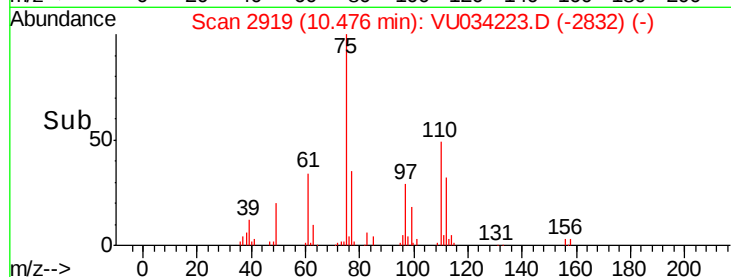
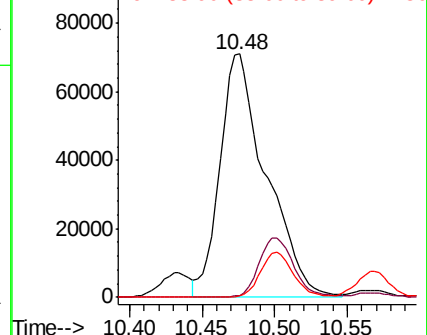
89 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 53.00 (52.70 to 53.70): VU0

Ion 88.90 (88.60 to 89.60): VU0



#82

4-Chlorotoluene

Concen: 18.072 ug/l

RT: 10.75 min Scan# 3005

Delta R.T. -0.00 min

Lab File: VU034223.D

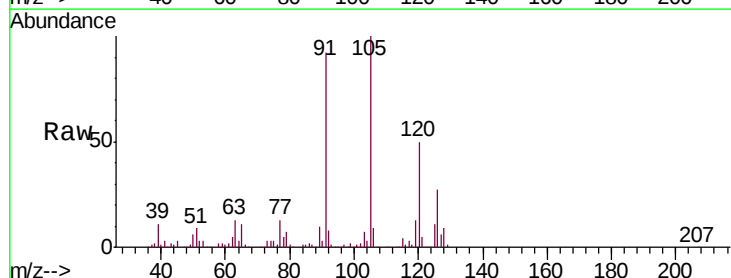
Acq: 03 Sep 2019 13:28

Tgt Ion: 91 Resp: 315984

Ion Ratio Lower Upper

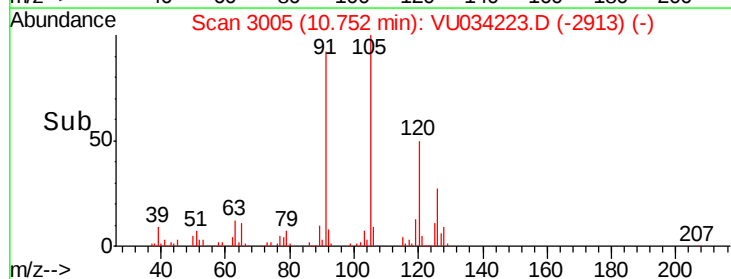
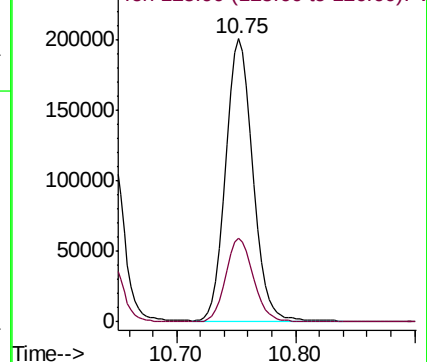
91 100

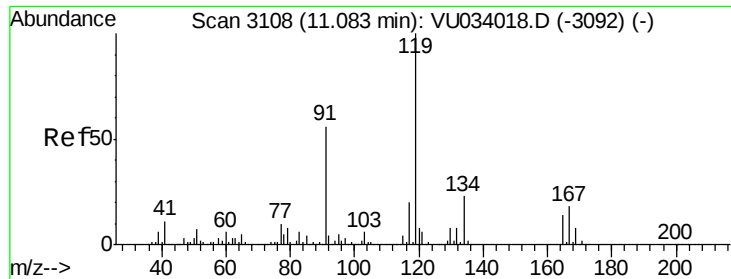
126 30.0 15.0 45.1



Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 125.90 (125.60 to 126.60): V

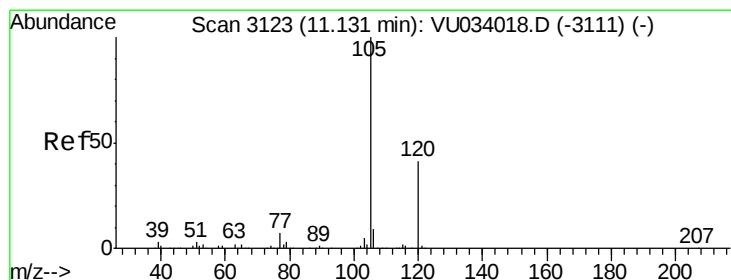
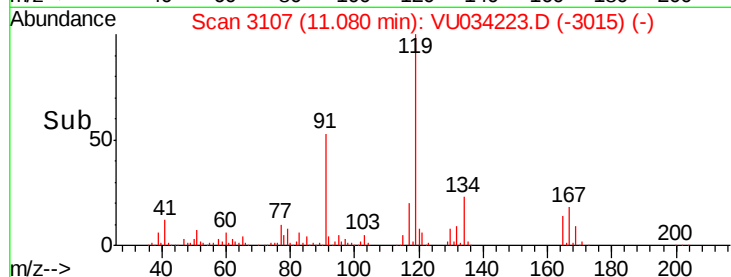
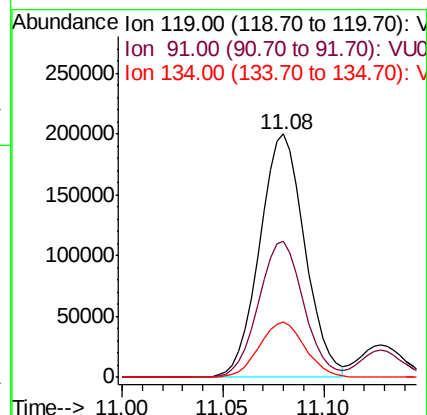
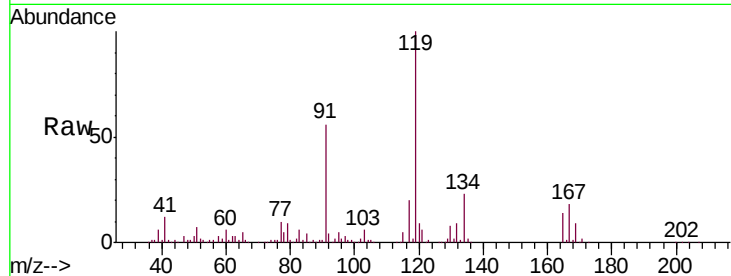




#83
 tert-Butylbenzene
 Concen: 17.185 ug/l
 RT: 11.08 min Scan# 3107
 Delta R.T. -0.00 min
 Lab File: VU034223.D
 Acq: 03 Sep 2019 13:28

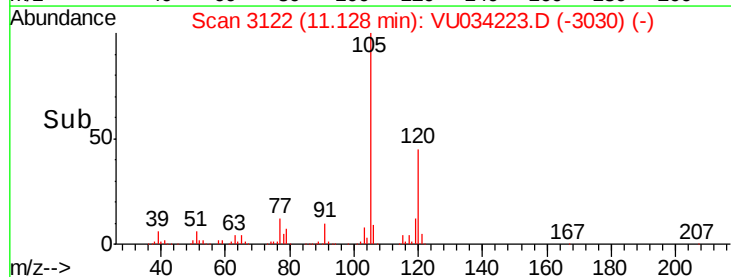
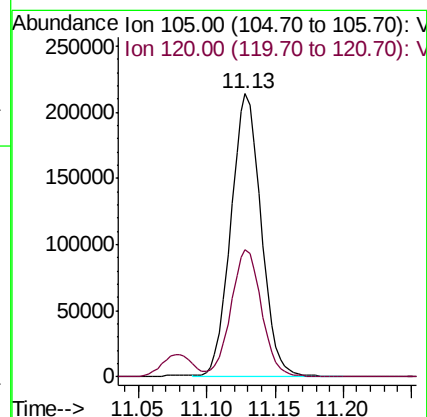
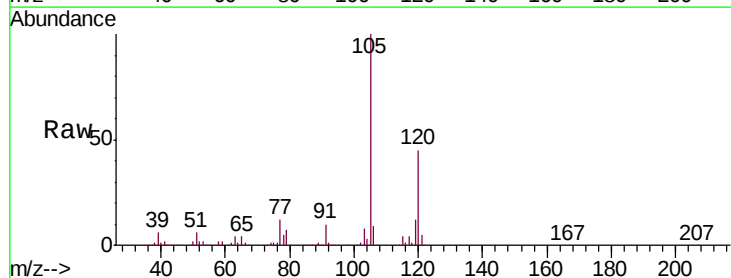
Instrument :
 MSVOA_U
 ClientSampleId :
 VU0904MBSD01

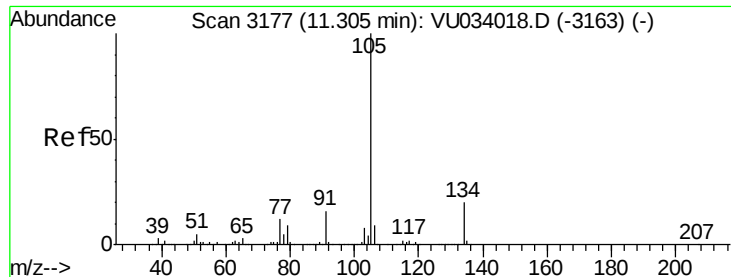
Tgt Ion:119 Resp: 312067
 Ion Ratio Lower Upper
 119 100
 91 55.8 27.9 83.6
 134 23.0 11.4 34.2



#84
 1,2,4-Trimethylbenzene
 Concen: 17.902 ug/l
 RT: 11.13 min Scan# 3122
 Delta R.T. -0.00 min
 Lab File: VU034223.D
 Acq: 03 Sep 2019 13:28

Tgt Ion:105 Resp: 327921
 Ion Ratio Lower Upper
 105 100
 120 45.7 22.6 67.8

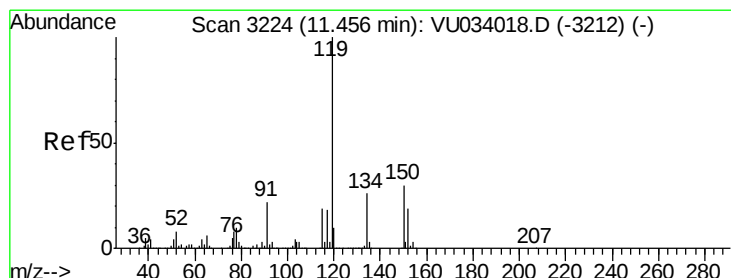
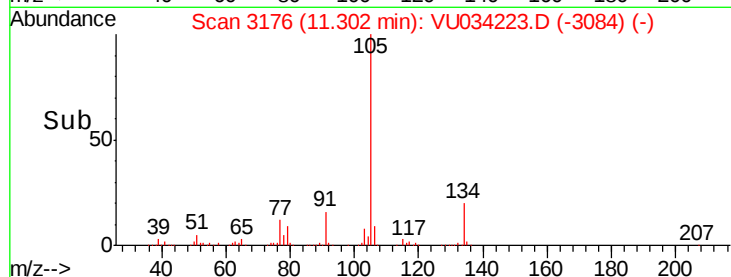
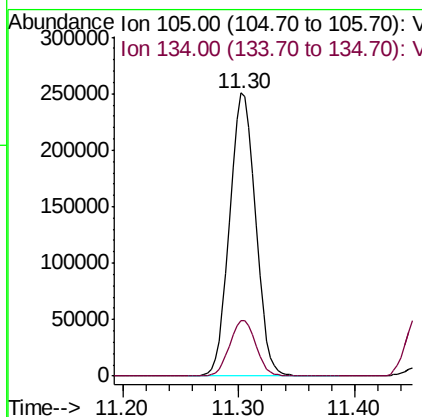
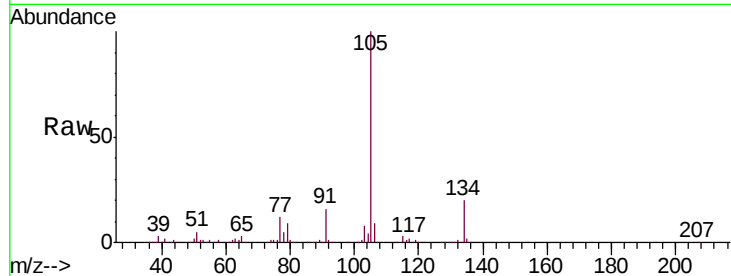




#85
 sec-Butylbenzene
 Concen: 17.656 ug/l
 RT: 11.30 min Scan# 3176
 Delta R.T. -0.00 min
 Lab File: VU034223.D
 Acq: 03 Sep 2019 13:28

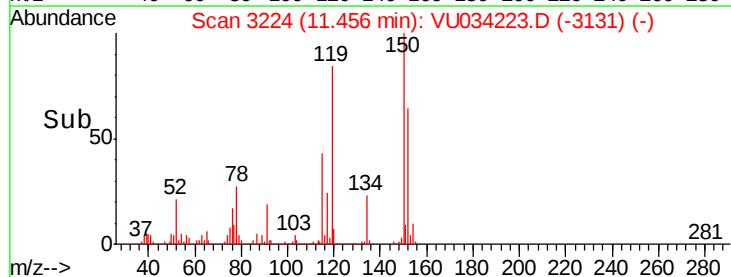
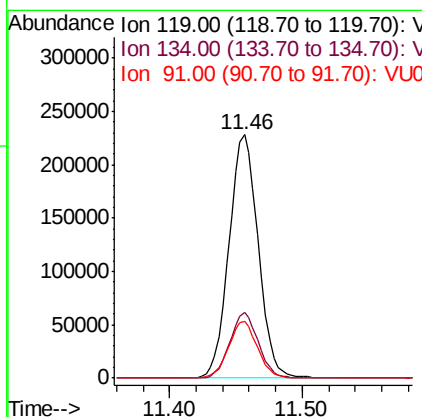
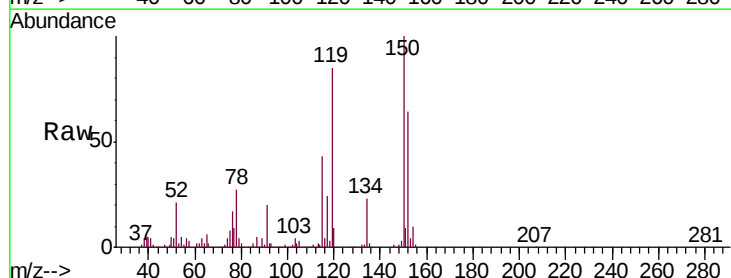
Instrument :
 MSVOA_U
 ClientSampleId :
 VU0904MBSD01

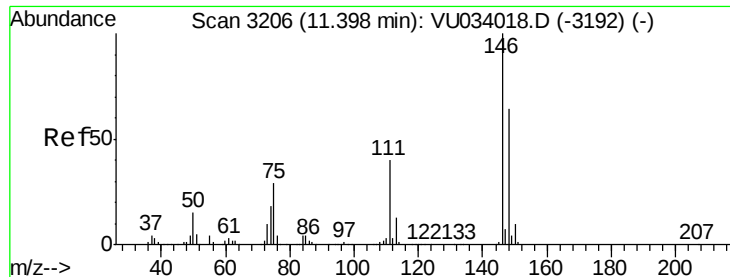
Tgt Ion:105 Resp: 384278
 Ion Ratio Lower Upper
 105 100
 134 19.9 10.0 30.0



#86
 p-Isopropyltoluene
 Concen: 17.635 ug/l
 RT: 11.46 min Scan# 3224
 Delta R.T. 0.00 min
 Lab File: VU034223.D
 Acq: 03 Sep 2019 13:28

Tgt Ion:119 Resp: 347136
 Ion Ratio Lower Upper
 119 100
 134 26.4 13.1 39.1
 91 23.0 11.2 33.6

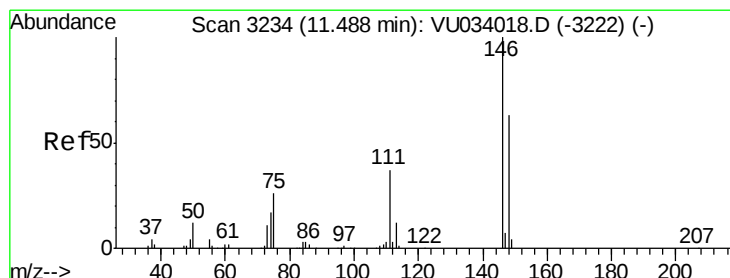
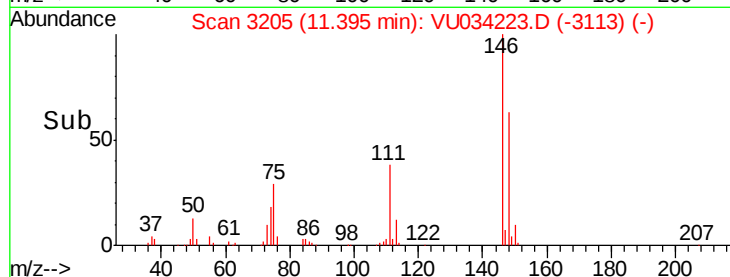
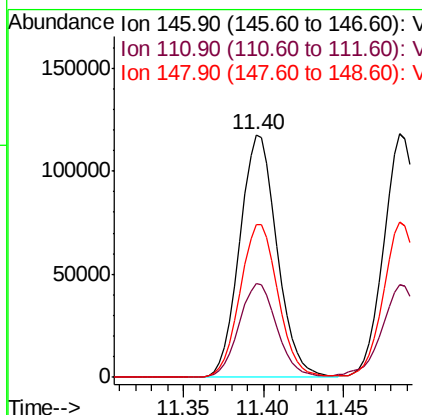
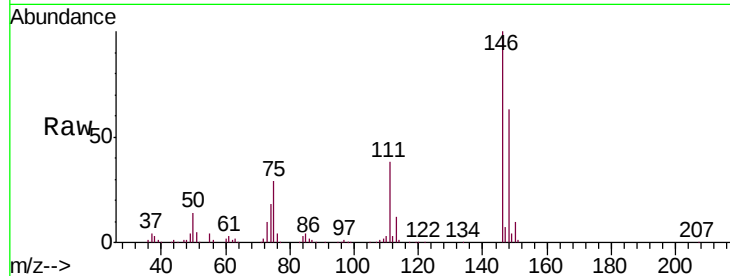




#87
 1,3-Dichlorobenzene
 Concen: 18.080 ug/l
 RT: 11.40 min Scan# 3205
 Delta R.T. -0.00 min
 Lab File: VU034223.D
 Acq: 03 Sep 2019 13:28

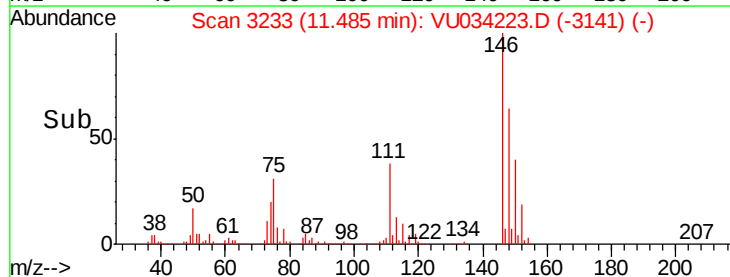
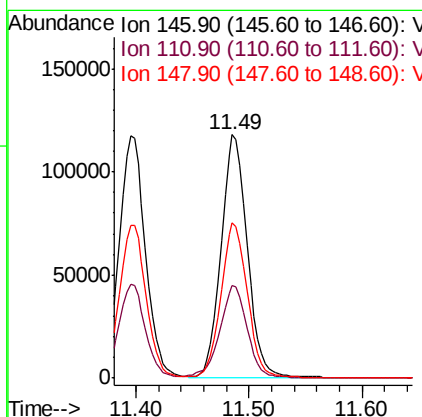
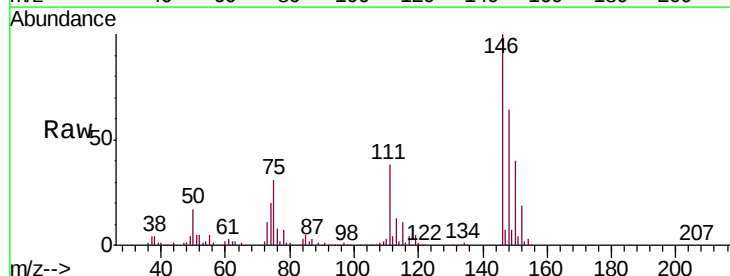
Instrument :
 MSVOA_U
 ClientSampleId :
 VU0904MBSD01

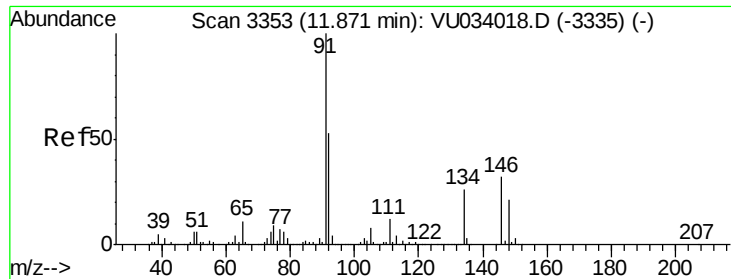
Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.2	19.9	59.6
148	64.3	31.9	95.5



#88
 1,4-Dichlorobenzene
 Concen: 18.107 ug/l
 RT: 11.49 min Scan# 3233
 Delta R.T. -0.00 min
 Lab File: VU034223.D
 Acq: 03 Sep 2019 13:28

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.8	19.2	57.6
148	63.8	31.9	95.9

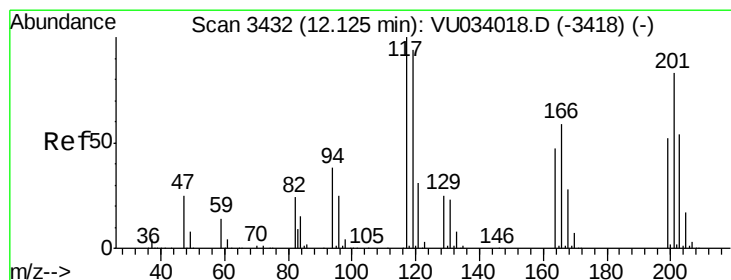
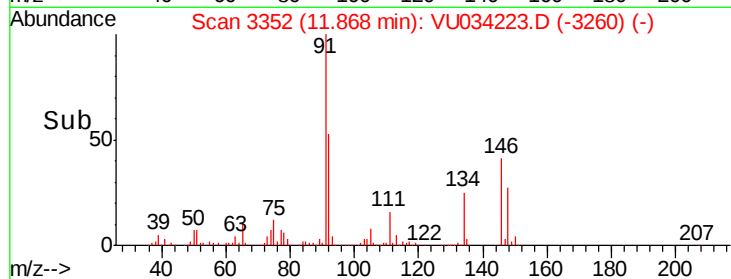
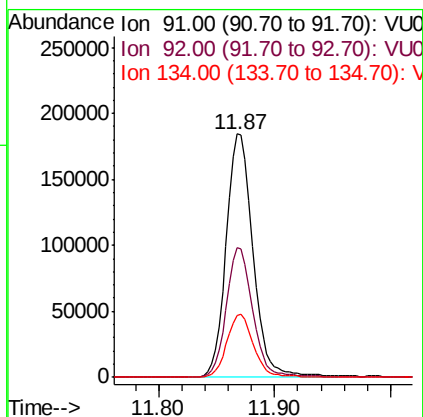
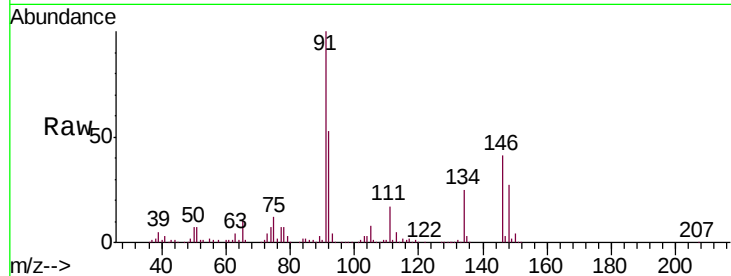




#89
n-Butylbenzene
Concen: 17.088 ug/l
RT: 11.87 min Scan# 3352
Delta R.T. -0.00 min
Lab File: VU034223.D
Acq: 03 Sep 2019 13:28

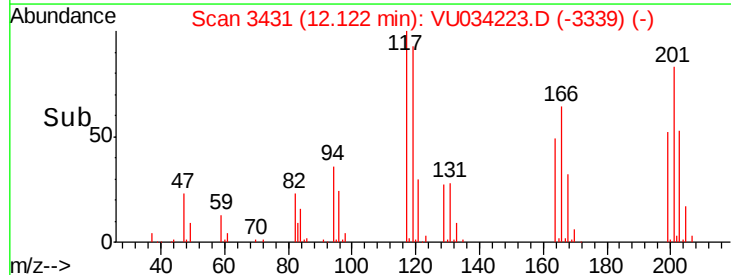
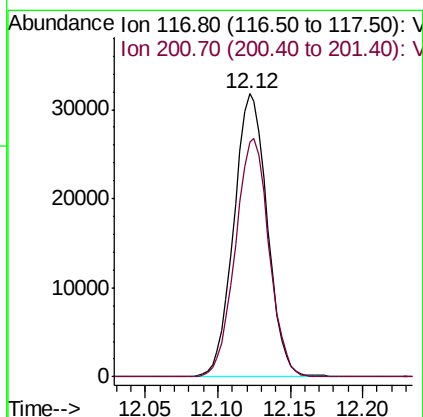
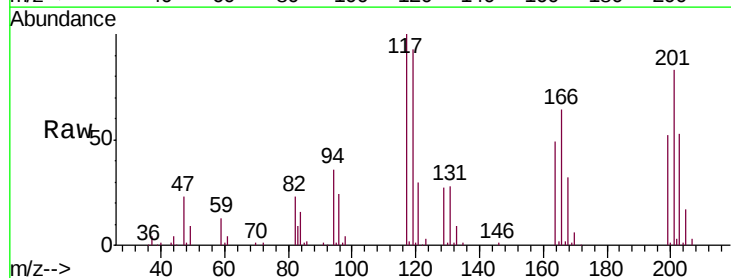
Instrument :
MSVOA_U
ClientSampleId :
VU0904MBSD01

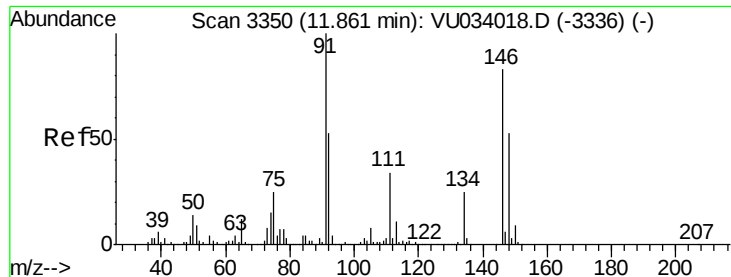
Tgt Ion: 91 Resp: 296568
Ion Ratio Lower Upper
91 100
92 52.7 26.3 78.9
134 25.8 12.9 38.7



#90
Hexachloroethane
Concen: 14.971 ug/l
RT: 12.12 min Scan# 3431
Delta R.T. -0.00 min
Lab File: VU034223.D
Acq: 03 Sep 2019 13:28

Tgt Ion: 117 Resp: 50951
Ion Ratio Lower Upper
117 100
201 84.9 42.5 127.6





#91

1,2-Dichlorobenzene

Concen: 18.381 ug/l

RT: 11.86 min Scan# 3349

Delta R.T. -0.00 min

Lab File: VU034223.D

Acq: 03 Sep 2019 13:28

Instrument :

MSVOA_U

ClientSampleId :

VU0904MBSD01

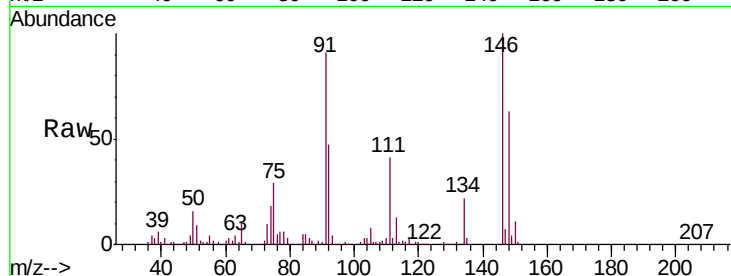
Tgt Ion:146 Resp: 182500

Ion Ratio Lower Upper

146 100

111 40.5 20.4 61.2

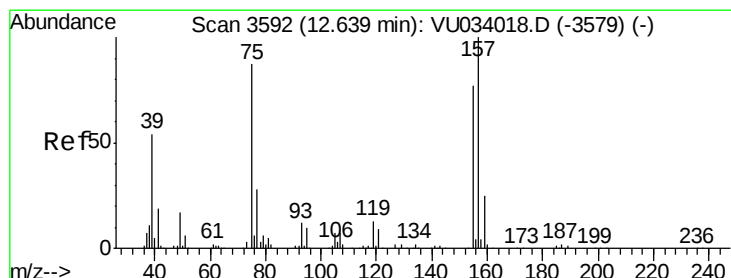
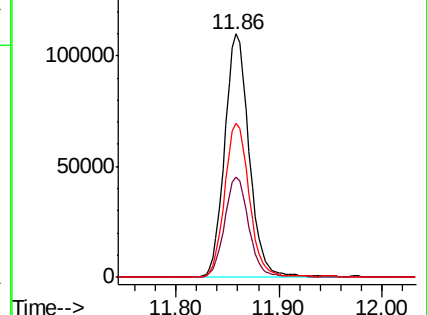
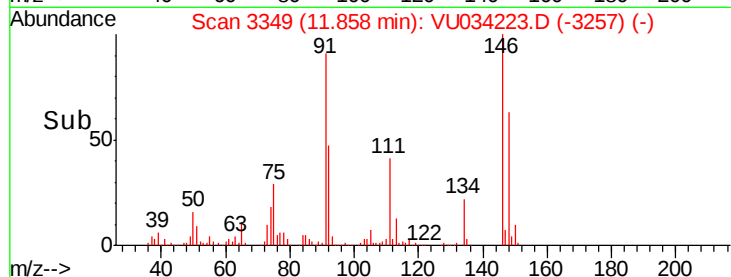
148 63.5 32.3 96.8



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: 16.921 ug/l

RT: 12.64 min Scan# 3592

Delta R.T. 0.00 min

Lab File: VU034223.D

Acq: 03 Sep 2019 13:28

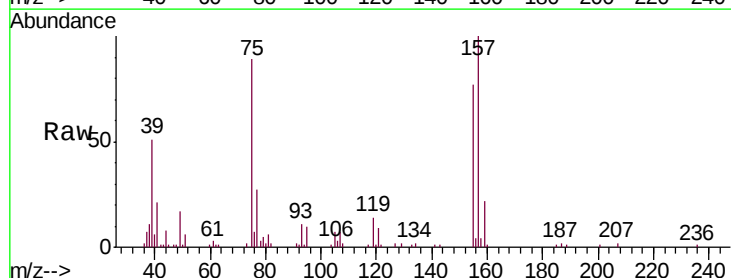
Tgt Ion: 75 Resp: 28081

Ion Ratio Lower Upper

75 100

155 84.6 43.5 130.7

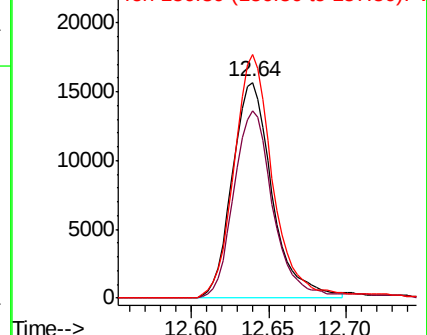
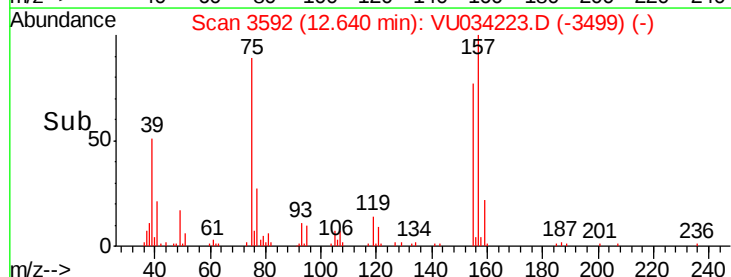
157 109.5 56.9 170.6



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: 16.398 ug/l

RT: 13.49 min Scan# 3855

Delta R.T. 0.00 min

Lab File: VU034223.D

Acq: 03 Sep 2019 13:28

Instrument :

MSVOA_U

ClientSampleId :

VU0904MBSD01

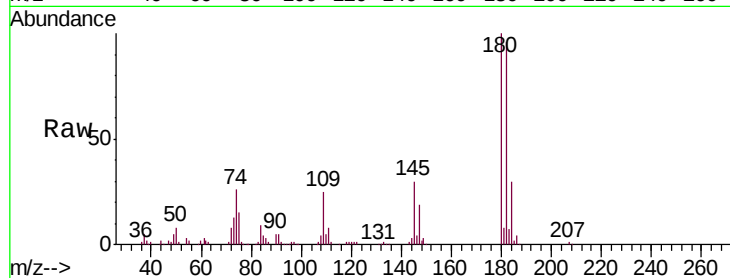
Tgt Ion:180 Resp: 110397

Ion Ratio Lower Upper

180 100

182 96.1 47.4 142.2

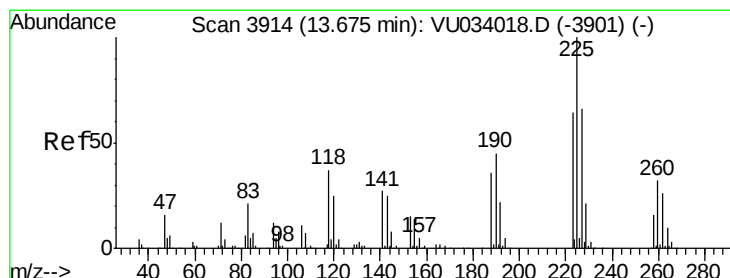
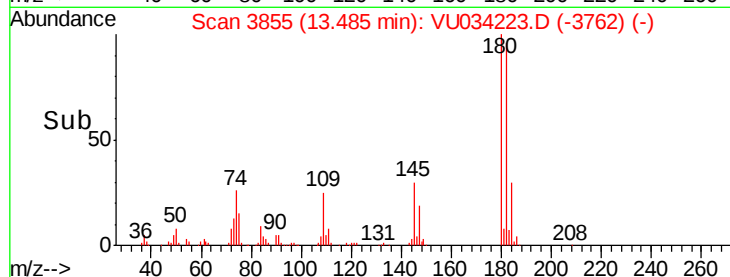
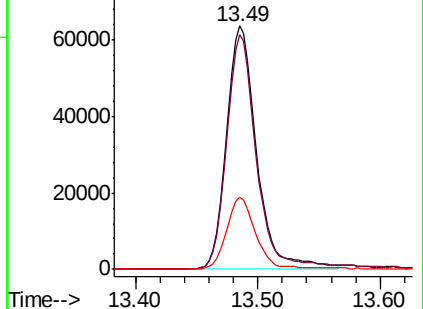
145 28.7 14.1 42.3



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: 15.552 ug/l

RT: 13.67 min Scan# 3913

Delta R.T. -0.00 min

Lab File: VU034223.D

Acq: 03 Sep 2019 13:28

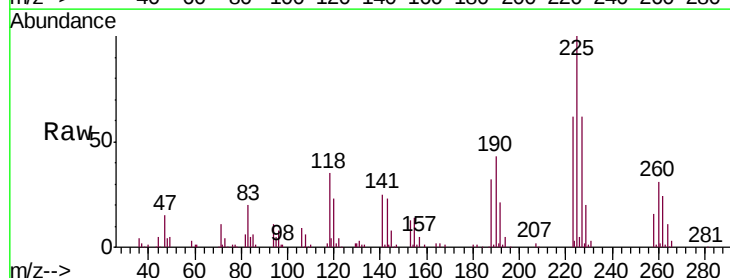
Tgt Ion:225 Resp: 60407

Ion Ratio Lower Upper

225 100

223 62.3 31.8 95.3

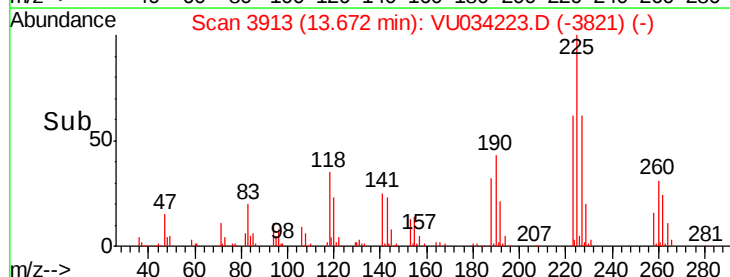
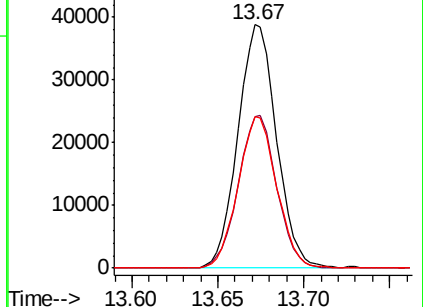
227 62.1 32.6 97.8

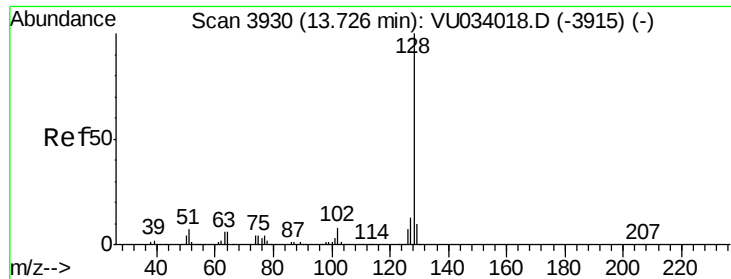


Abundance Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V

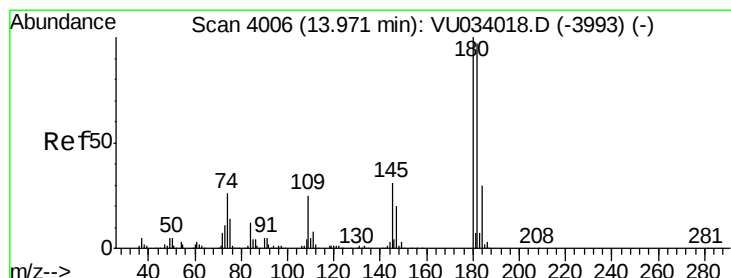
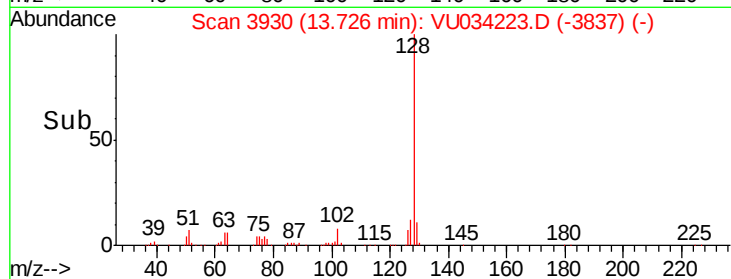
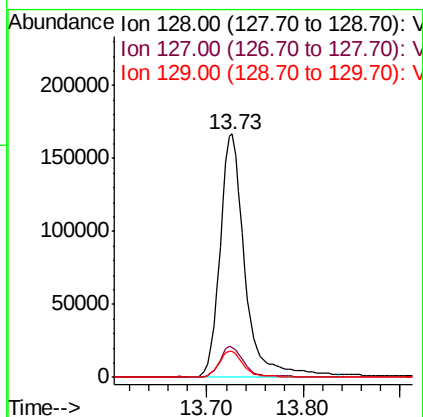
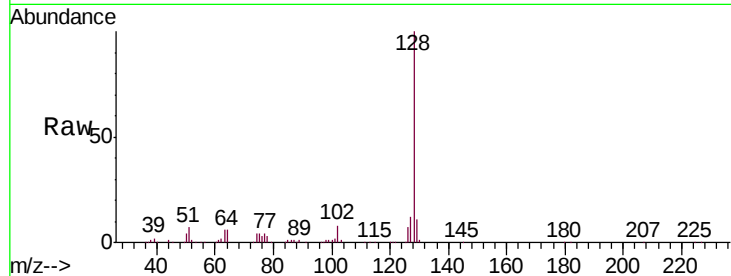




#95
Naphthalene
Concen: 16.050 ug/l
RT: 13.73 min Scan# 3930
Delta R.T. 0.00 min
Lab File: VU034223.D
Acq: 03 Sep 2019 13:28

Instrument :
MSVOA_U
ClientSampleId :
VU0904MBSD01

Tgt Ion:128 Resp: 299113
Ion Ratio Lower Upper
128 100
127 12.3 10.2 15.4
129 10.3 8.4 12.6



#96
1,2,3-Trichlorobenzene
Concen: 17.953 ug/l
RT: 13.97 min Scan# 4006
Delta R.T. 0.00 min
Lab File: VU034223.D
Acq: 03 Sep 2019 13:28

Tgt Ion:180 Resp: 114184
Ion Ratio Lower Upper
180 100
182 94.2 48.2 144.6
145 30.5 15.5 46.5

