

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU082919\
 Data File : VU034021.D
 Acq On : 28 Aug 2019 14:01
 Operator : JC/SP
 Sample : VSTDICV050
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 ICVVU082919

Quant Time: Aug 29 04:01:04 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U082919W.M
 Quant Title : SW846 8260
 QLast Update : Thu Aug 29 03:51:04 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.96	168	449165	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.86	114	715791	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.07	117	674970	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.47	152	350656	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.29	65	273167	47.46	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.92%	
35) Dibromofluoromethane	4.86	113	234562	47.25	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.50%	
50) Toluene-d8	7.55	98	910271	48.97	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.94%	
62) 4-Bromofluorobenzene	10.29	95	339881	47.00	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.00%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.20	85	229024	50.699	ug/l	99
3) Chloromethane	1.32	50	304457	50.487	ug/l	100
4) Vinyl Chloride	1.40	62	294458	48.976	ug/l	99
5) Bromomethane	1.60	94	170964	60.267	ug/l	98
6) Chloroethane	1.68	64	173129	47.101	ug/l	99
7) Trichlorofluoromethane	1.87	101	337282	48.415	ug/l	99
8) Diethyl Ether	2.09	74	147778	49.587	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	2.27	101	212062	48.051	ug/l	98
10) Methyl Iodide	2.40	142	299006	47.761	ug/l	99
11) Tert butyl alcohol	2.82	59	330695	249.166	ug/l	100
12) 1,1-Dichloroethene	2.27	96	220374	49.009	ug/l	98
13) Acrolein	2.18	56	129563	232.058	ug/l	100
14) Allyl chloride	2.58	41	376759	44.564	ug/l	91
15) Acrylonitrile	2.92	53	767858	252.126	ug/l	100
16) Acetone	2.31	43	697691	237.583	ug/l	100
17) Carbon Disulfide	2.46	76	694253	48.783	ug/l	99
18) Methyl Acetate	2.60	43	343681	45.288	ug/l	99
19) Methyl tert-butyl Ether	2.98	73	757862	51.439	ug/l	100
20) Methylene Chloride	2.68	84	264249	47.532	ug/l	98
21) trans-1,2-Dichloroethene	2.96	96	241956	49.580	ug/l	100
22) Diisopropyl ether	3.55	45	779689	50.329	ug/l	97
23) Vinyl Acetate	3.50	43	3470614	260.791	ug/l	100
24) 1,1-Dichloroethane	3.42	63	455801	49.835	ug/l	100
25) 2-Butanone	4.23	43	1055279	258.291	ug/l	100
26) 2,2-Dichloropropane	4.20	77	370085	49.727	ug/l	99
27) cis-1,2-Dichloroethene	4.20	96	273067	49.852	ug/l	99
28) Bromochloromethane	4.52	49	220821	49.004	ug/l	99
29) Tetrahydrofuran	4.61	42	653056	259.190	ug/l	99
30) Chloroform	4.65	83	432794	47.427	ug/l	98
31) Cyclohexane	4.97	56	408721	47.557	ug/l	99
32) 1,1,1-Trichloroethane	4.89	97	367861	49.220	ug/l	99
36) 1,1-Dichloropropene	5.11	75	328691	48.548	ug/l	100
37) Ethyl Acetate	4.35	43	370291	48.840	ug/l	99
38) Carbon Tetrachloride	5.11	117	323483	49.498	ug/l	98

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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.40	83	404185	50.650	ug/l	100
40) Benzene	5.37	78	1009334	49.273	ug/l	100
41) Methacrylonitrile	4.52	41	202886	52.178	ug/l	99
42) 1,2-Dichloroethane	5.38	62	341990	48.347	ug/l	98
43) Isopropyl Acetate	5.53	43	583731	50.608	ug/l	100
44) Trichloroethene	6.17	130	269742	50.145	ug/l	96
45) 1,2-Dichloropropane	6.41	63	279887	49.636	ug/l	100
46) Dibromomethane	6.54	93	179007	49.274	ug/l	99
47) Bromodichloromethane	6.74	83	346437	48.741	ug/l	100
48) Methyl methacrylate	6.60	41	289019	51.926	ug/l	99
49) 1,4-Dioxane	6.59	88	141418	1014.051	ug/l	98
51) 4-Methyl-2-Pentanone	7.44	43	1990319	249.859	ug/l	99
52) Toluene	7.62	92	632151	50.096	ug/l	98
53) t-1,3-Dichloropropene	7.86	75	395795	50.186	ug/l	98
54) cis-1,3-Dichloropropene	7.25	75	435486	50.543	ug/l	98
55) 1,1,2-Trichloroethane	8.05	97	259374	48.594	ug/l	99
56) Ethyl methacrylate	8.00	69	416962	47.151	ug/l	99
57) 1,3-Dichloropropane	8.22	76	440345	48.587	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.11	63	743229	251.692	ug/l	99
59) 2-Hexanone	8.34	43	1547239	257.297	ug/l	100
60) Dibromochloromethane	8.46	129	284152	49.594	ug/l	100
61) 1,2-Dibromoethane	8.57	107	273686	48.675	ug/l	99
64) Tetrachloroethene	8.21	164	235601	51.976	ug/l	99
65) Chlorobenzene	9.10	112	701449	50.500	ug/l	98
66) 1,1,1,2-Tetrachloroethane	9.19	131	250569	49.748	ug/l	100
67) Ethyl Benzene	9.23	91	1226391	52.085	ug/l	100
68) m/p-Xylenes	9.36	106	944968	105.547	ug/l	100
69) o-Xylene	9.76	106	454588	52.924	ug/l	99
70) Styrene	9.77	104	795024	53.982	ug/l	100
71) Bromoform	9.94	173	222238	50.784	ug/l #	99
73) Isopropylbenzene	10.15	105	1231753	52.296	ug/l	100
74) N-amyl acetate	10.00	43	542629	54.776	ug/l	100
75) 1,1,2,2-Tetrachloroethane	10.44	83	432494	47.975	ug/l	99
76) 1,2,3-Trichloropropane	10.48	75	487467	61.680	ug/l	89
77) Bromobenzene	10.43	156	316675	49.981	ug/l	99
78) n-propylbenzene	10.57	91	1435830	52.345	ug/l	100
79) 2-Chlorotoluene	10.64	91	843421	51.263	ug/l	100
80) 1,3,5-Trimethylbenzene	10.75	105	1068854	53.542	ug/l	99
81) trans-1,4-Dichloro-2-buten	10.48	75	487467	207.691	ug/l #	100
82) 4-Chlorotoluene	10.76	91	967993	51.157	ug/l	99
83) tert-Butylbenzene	11.08	119	1022200	52.015	ug/l	99
84) 1,2,4-Trimethylbenzene	11.13	105	1059029	53.425	ug/l	99
85) sec-Butylbenzene	11.30	105	1237675	52.547	ug/l	100
86) p-Isopropyltoluene	11.46	119	1146234	53.807	ug/l	100
87) 1,3-Dichlorobenzene	11.40	146	565795	50.441	ug/l	100
88) 1,4-Dichlorobenzene	11.49	146	565424	49.844	ug/l	100
89) n-Butylbenzene	11.87	91	1015794	54.084	ug/l	99
90) Hexachloroethane	12.12	117	180231	48.935	ug/l	99
91) 1,2-Dichlorobenzene	11.86	146	551079	51.287	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.64	75	94862	52.819	ug/l	99

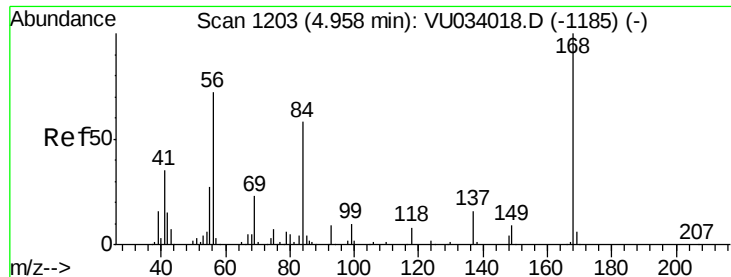
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Quant Title : SW846 8260
QLast Update : Thu Aug 29 03:51:04 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.48	180	383544	50.180	ug/l	98
94) Hexachlorobutadiene	13.67	225	213566	50.809	ug/l	99
95) Naphthalene	13.73	128	1156627	52.743	ug/l	100
96) 1,2,3-Trichlorobenzene	13.97	180	379917	55.196	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.96 min Scan# 1203

Delta R.T. -0.00 min

Lab File: VU034021.D

Acq: 28 Aug 2019 14:01

Instrument :

MSVOA_U

ClientSampleId :

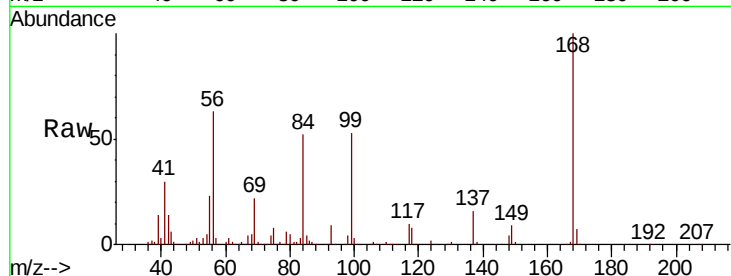
ICVVU082919

Tgt Ion:168 Resp: 449165

Ion Ratio Lower Upper

168 100

99 52.7 42.3 63.5



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

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

4.96

200000

150000

100000

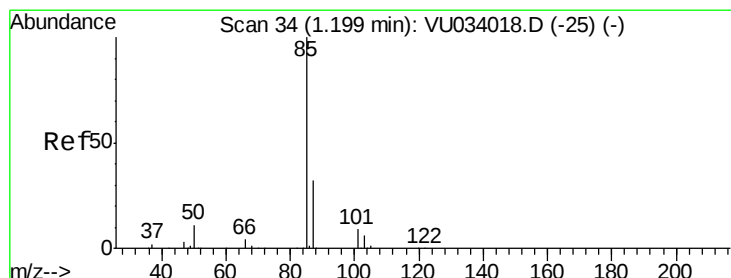
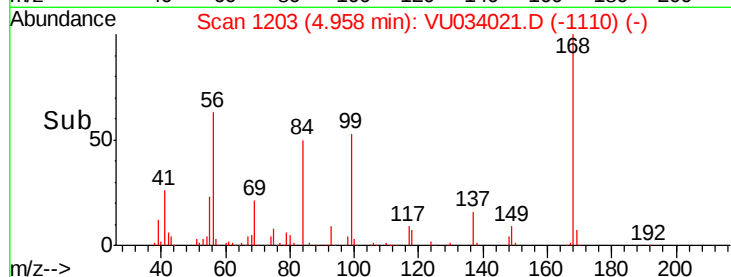
50000

0

4.90

5.00

Time-->



#2

Dichlorodifluoromethane

Concen: 50.699 ug/l

RT: 1.20 min Scan# 34

Delta R.T. -0.00 min

Lab File: VU034021.D

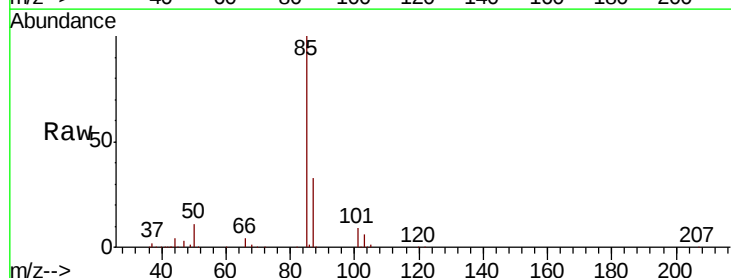
Acq: 28 Aug 2019 14:01

Tgt Ion: 85 Resp: 229024

Ion Ratio Lower Upper

85 100

87 32.6 16.1 48.3



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

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

1.20

250000

200000

150000

100000

50000

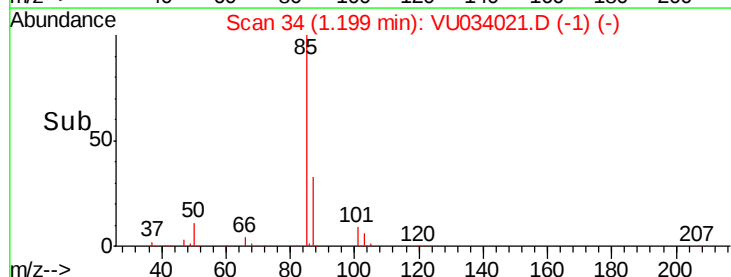
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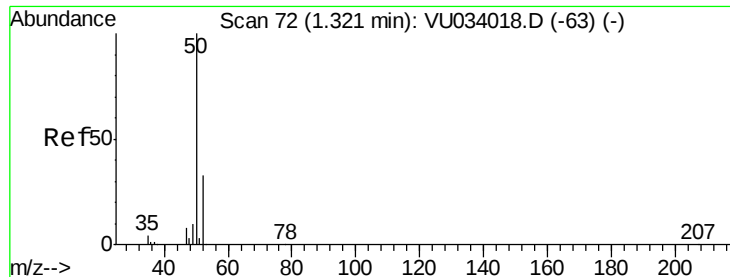
1.15

1.20

1.25

Time-->





#3

Chloromethane

Concen: 50.487 ug/l

RT: 1.32 min Scan# 72

Delta R.T. 0.00 min

Lab File: VU034021.D

Acq: 28 Aug 2019 14:01

Instrument :

MSVOA_U

ClientSampleId :

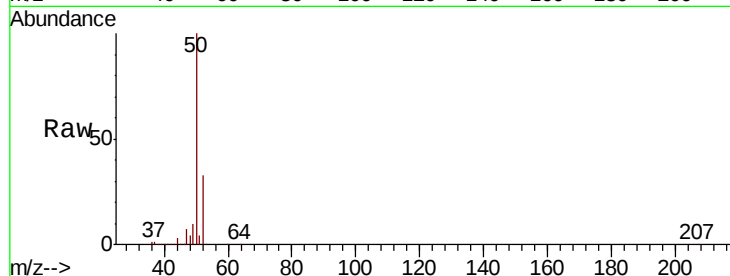
ICVVU082919

Tgt Ion: 50 Resp: 304457

Ion Ratio Lower Upper

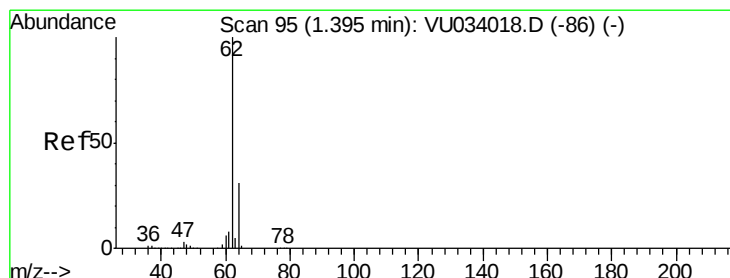
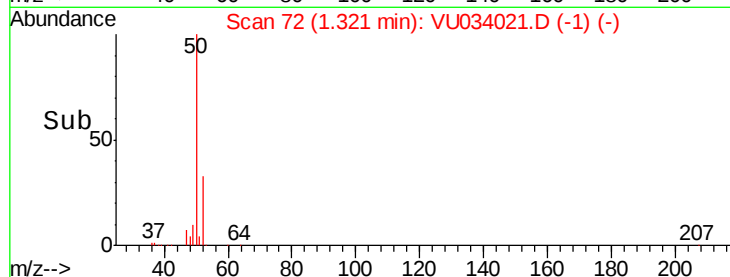
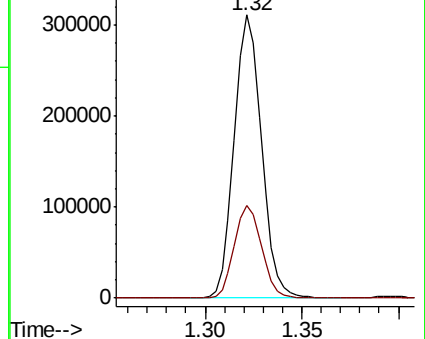
50 100

52 32.7 26.2 39.4



Abundance Ion 49.90 (49.60 to 50.60): VU034021.D (-1) (-)

Ion 51.90 (51.60 to 52.60): VU034021.D (-1) (-)



#4

Vinyl Chloride

Concen: 48.976 ug/l

RT: 1.40 min Scan# 95

Delta R.T. -0.00 min

Lab File: VU034021.D

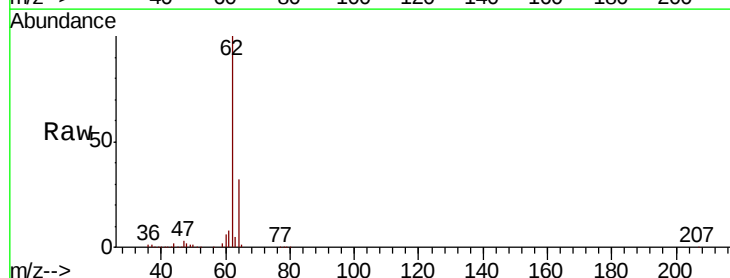
Acq: 28 Aug 2019 14:01

Tgt Ion: 62 Resp: 294458

Ion Ratio Lower Upper

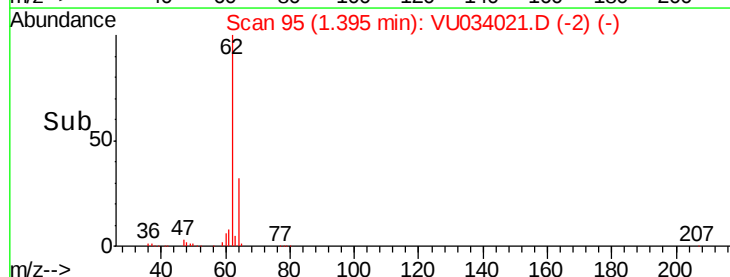
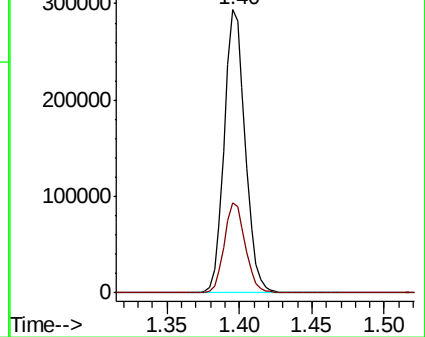
62 100

64 31.7 25.0 37.6



Abundance Ion 61.90 (61.60 to 62.60): VU034021.D (-2) (-)

Ion 63.90 (63.60 to 64.60): VU034021.D (-2) (-)





#5

Bromomethane

Concen: 60.267 ug/l

RT: 1.60 min Scan# 158

Delta R.T. -0.00 min

Lab File: VU034021.D

Acq: 28 Aug 2019 14:01

Instrument :

MSVOA_U

ClientSampleId :

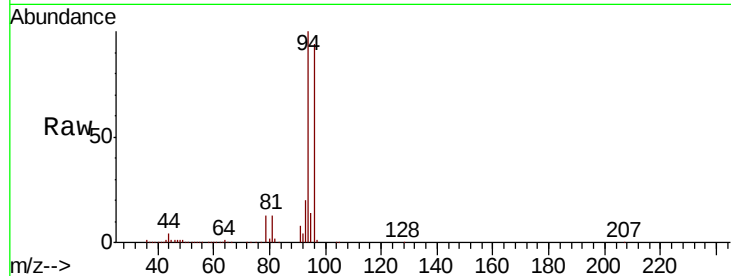
ICVVU082919

Tgt Ion: 94 Resp: 170964

Ion Ratio Lower Upper

94 100

96 93.6 76.3 114.5



Abundance Ion 93.90 (93.60 to 94.60): VU034021.D (-158) (-)

Ion 95.90 (95.60 to 96.60): VU034021.D (-158) (-)

1.60

150000

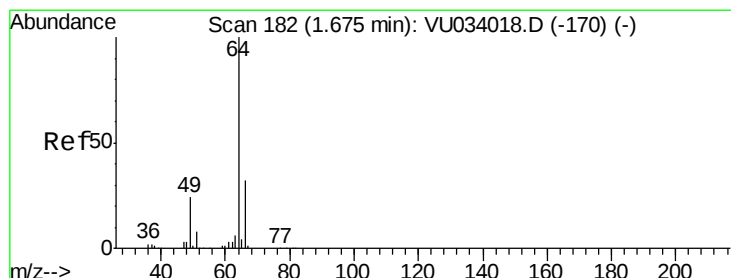
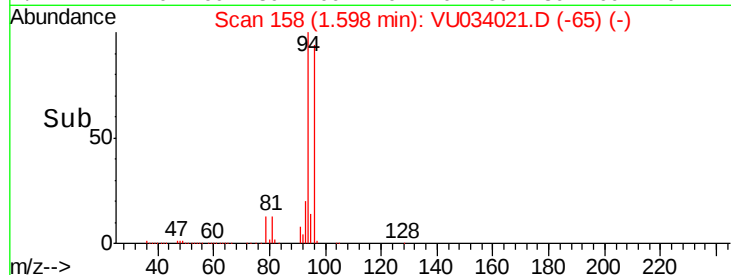
100000

50000

0

Time-->

1.55 1.60 1.65



#6

Chloroethane

Concen: 47.101 ug/l

RT: 1.68 min Scan# 183

Delta R.T. 0.00 min

Lab File: VU034021.D

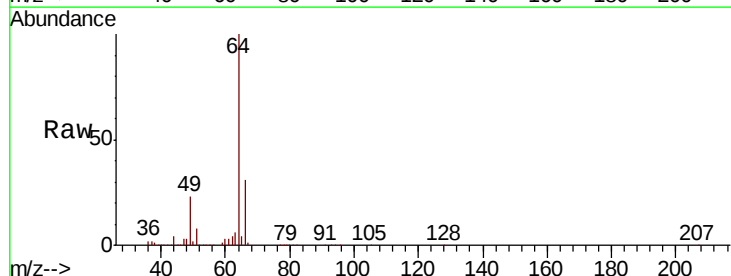
Acq: 28 Aug 2019 14:01

Tgt Ion: 64 Resp: 173129

Ion Ratio Lower Upper

64 100

66 31.3 25.5 38.3



Abundance Ion 63.90 (63.60 to 64.60): VU034021.D (-182) (-)

Ion 65.90 (65.60 to 66.60): VU034021.D (-182) (-)

1.68

150000

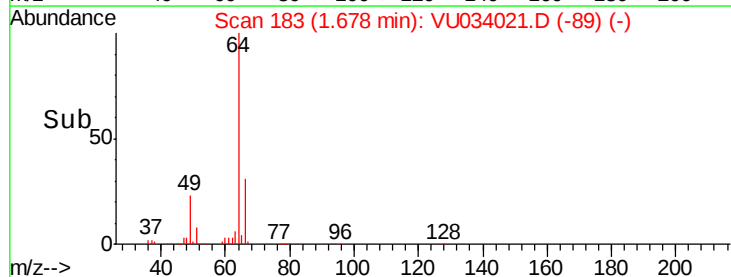
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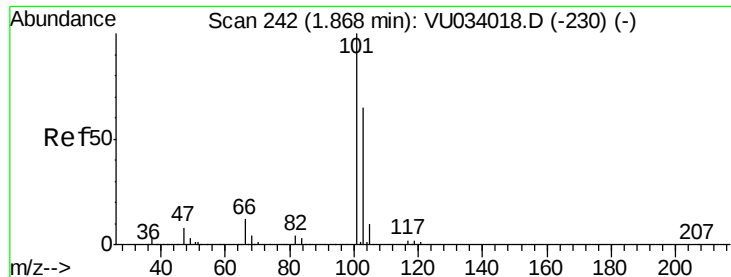
50000

0

Time-->

1.60 1.65 1.70 1.75



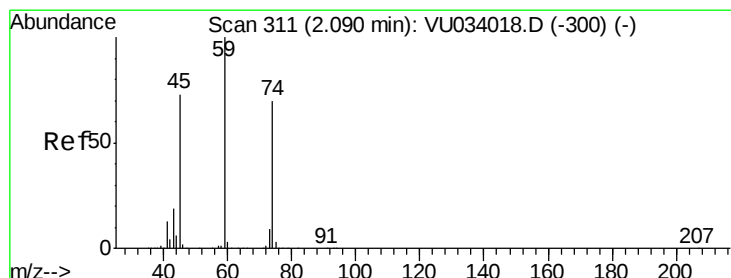
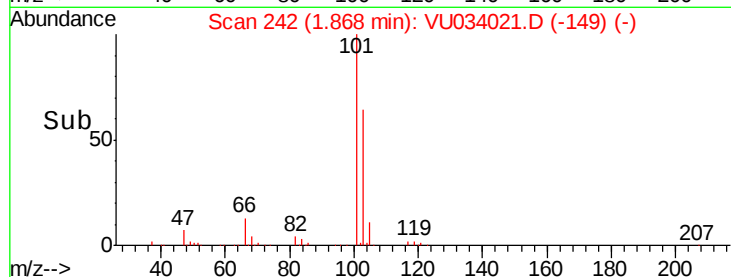
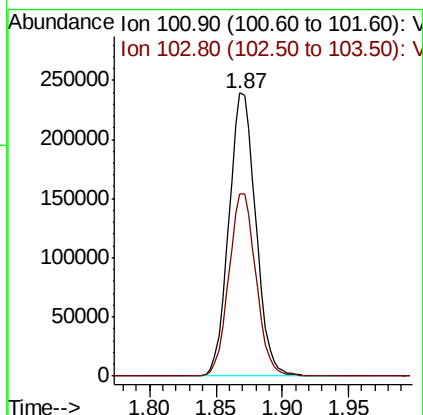
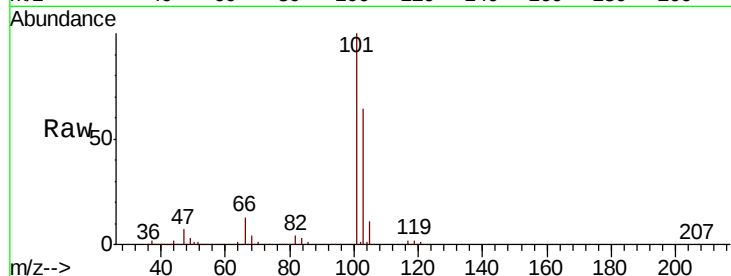


#7

Trichlorofluoromethane
 Concen: 48.415 ug/l
 RT: 1.87 min Scan# 242
 Delta R.T. -0.00 min
 Lab File: VU034021.D
 Acq: 28 Aug 2019 14:01

Instrument :
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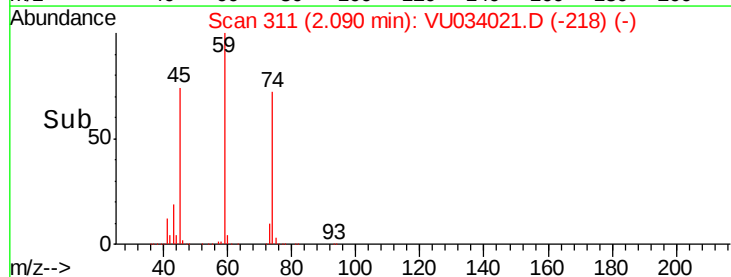
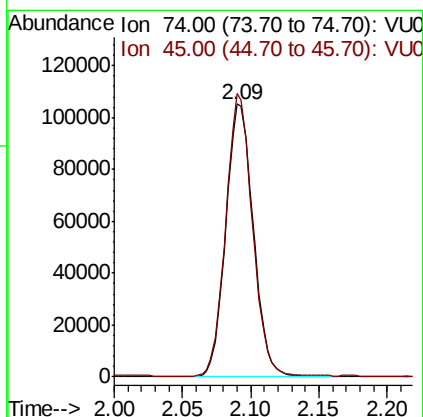
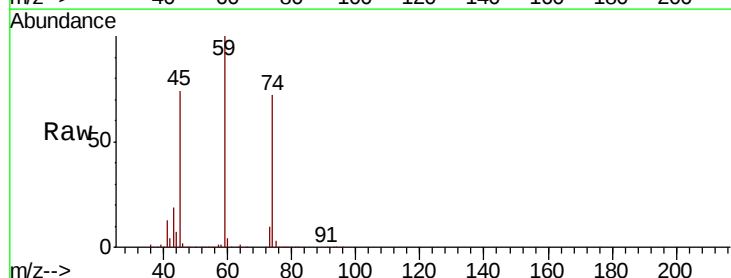
Tgt Ion:101 Resp: 337282
 Ion Ratio Lower Upper
 101 100
 103 64.5 52.1 78.1



#8

Diethyl Ether
 Concen: 49.587 ug/l
 RT: 2.09 min Scan# 311
 Delta R.T. -0.00 min
 Lab File: VU034021.D
 Acq: 28 Aug 2019 14:01

Tgt Ion: 74 Resp: 147778
 Ion Ratio Lower Upper
 74 100
 45 100.2 51.8 155.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 48.051 ug/l

RT: 2.27 min Scan# 367

Delta R.T. -0.00 min

Lab File: VU034021.D

Acq: 28 Aug 2019 14:01

Instrument :

MSVOA_U

ClientSampleId :

ICVVU082919

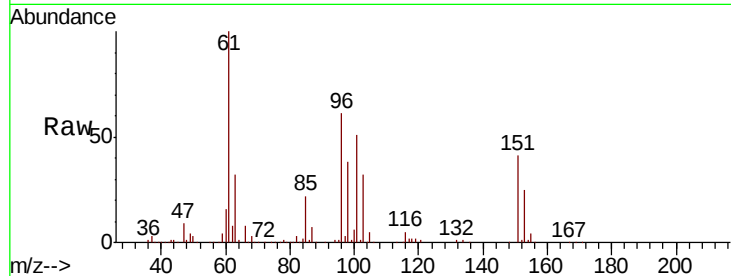
Tgt Ion:101 Resp: 212062

Ion Ratio Lower Upper

101 100

85 42.8 34.2 51.2

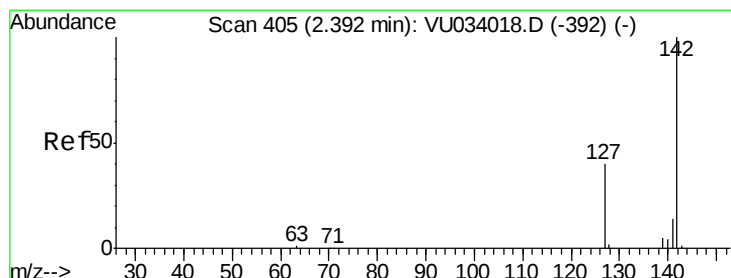
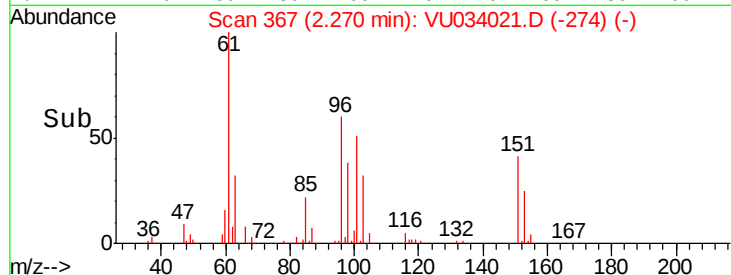
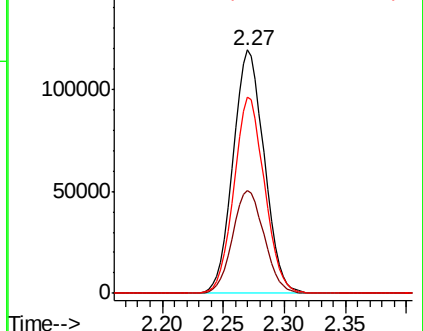
151 79.2 61.4 92.2



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 47.761 ug/l

RT: 2.40 min Scan# 406

Delta R.T. 0.00 min

Lab File: VU034021.D

Acq: 28 Aug 2019 14:01

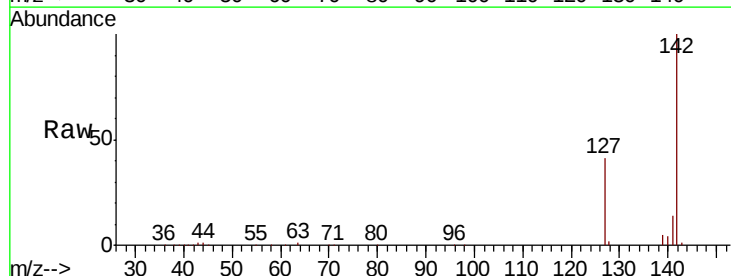
Tgt Ion:142 Resp: 299006

Ion Ratio Lower Upper

142 100

127 41.1 32.6 48.8

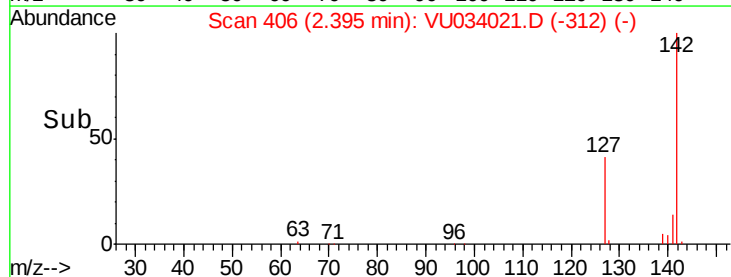
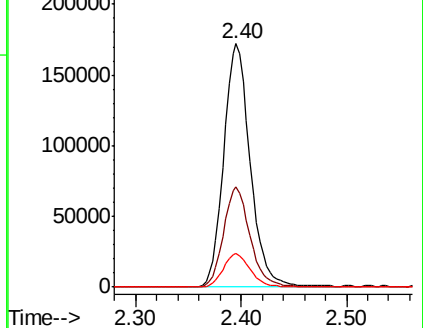
141 14.1 11.3 16.9

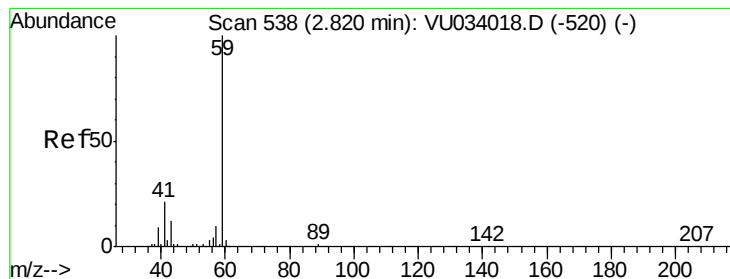


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



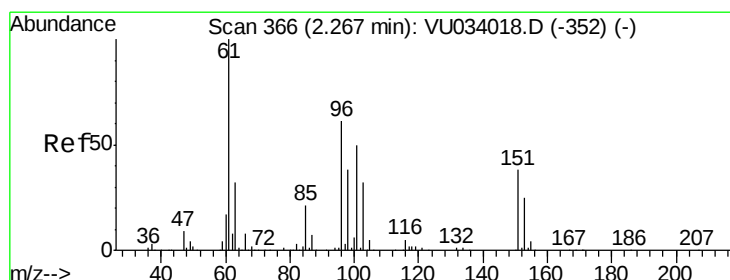
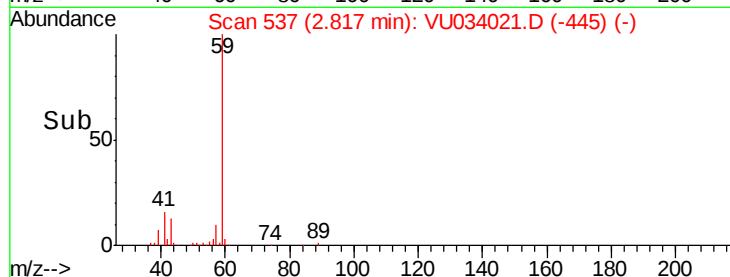
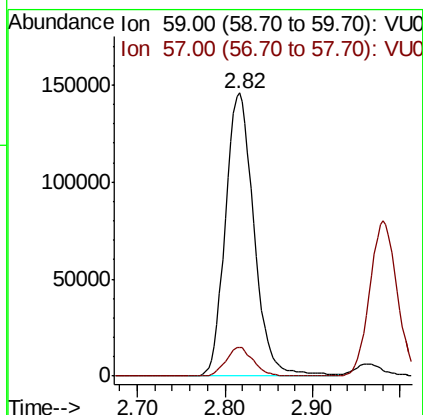
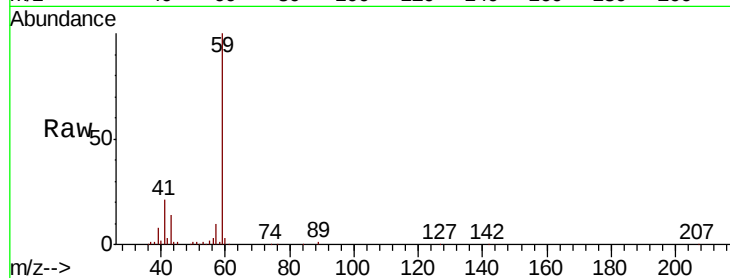


#11

Tert butyl alcohol
 Concen: 249.166 ug/l
 RT: 2.82 min Scan# 537
 Delta R.T. -0.00 min
 Lab File: VU034021.D
 Acq: 28 Aug 2019 14:01

Instrument :
 MSVOA_U
 ClientSampleId :
 ICVVU082919

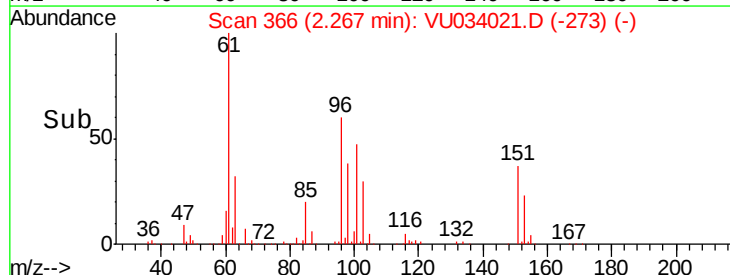
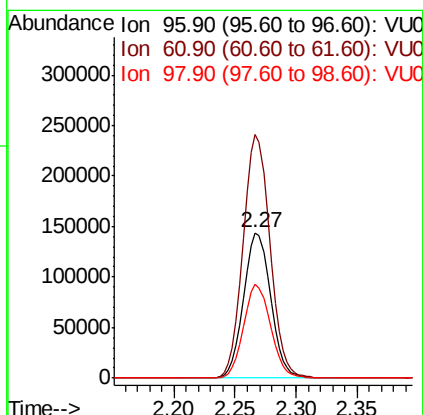
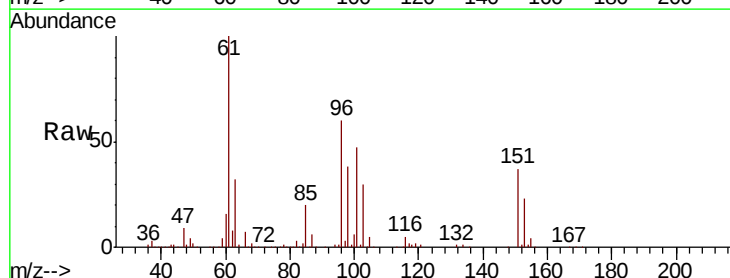
Tgt Ion: 59 Resp: 330695
 Ion Ratio Lower Upper
 59 100
 57 9.8 8.0 12.0

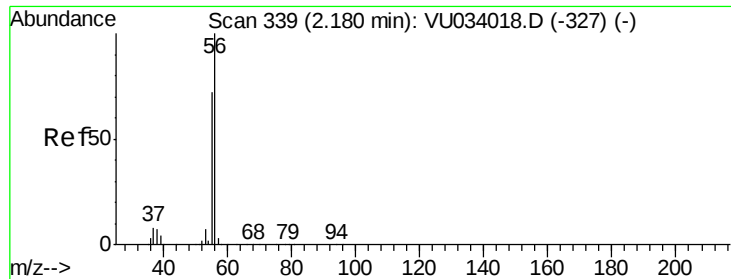


#12

1,1-Dichloroethene
 Concen: 49.009 ug/l
 RT: 2.27 min Scan# 366
 Delta R.T. -0.00 min
 Lab File: VU034021.D
 Acq: 28 Aug 2019 14:01

Tgt Ion: 96 Resp: 220374
 Ion Ratio Lower Upper
 96 100
 61 167.7 131.3 196.9
 98 64.2 50.3 75.5





#13

Acrolein

Concen: 232.058 ug/l

RT: 2.18 min Scan# 339

Delta R.T. -0.00 min

Lab File: VU034021.D

Acq: 28 Aug 2019 14:01

Instrument :

MSVOA_U

ClientSampleId :

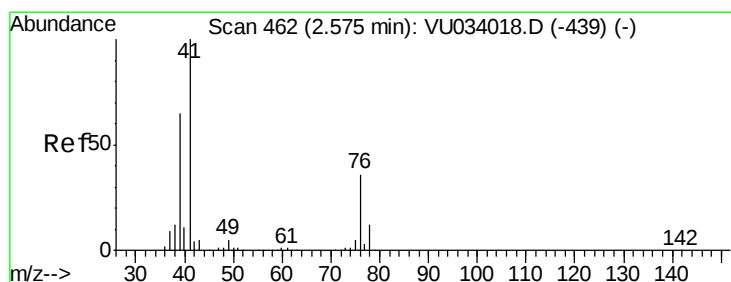
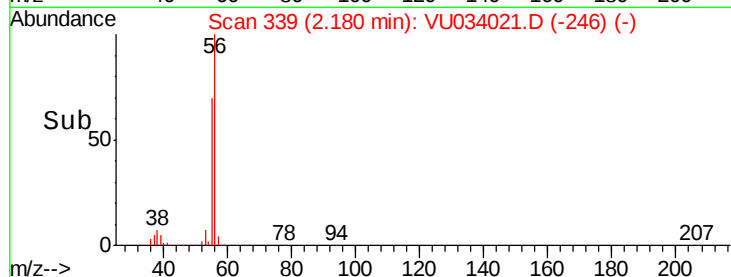
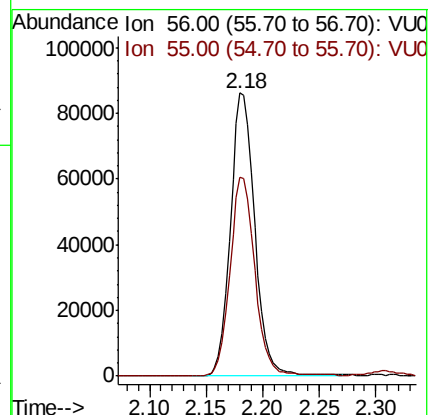
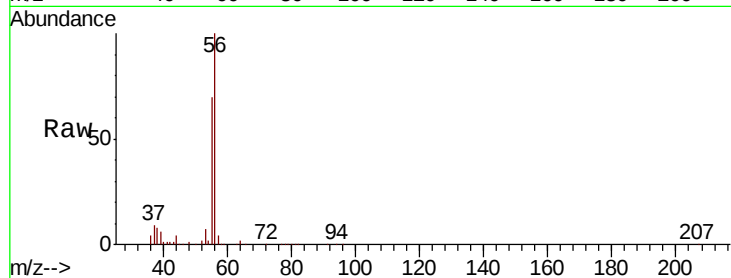
ICVVU082919

Tgt Ion: 56 Resp: 129563

Ion Ratio Lower Upper

56 100

55 71.5 57.1 85.7



#14

Allyl chloride

Concen: 44.564 ug/l

RT: 2.58 min Scan# 462

Delta R.T. -0.00 min

Lab File: VU034021.D

Acq: 28 Aug 2019 14:01

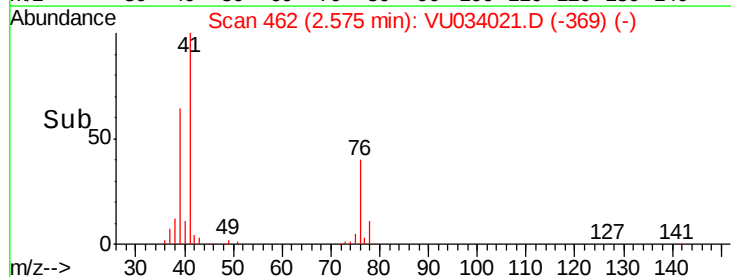
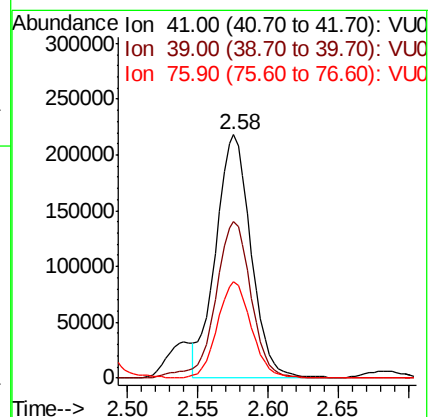
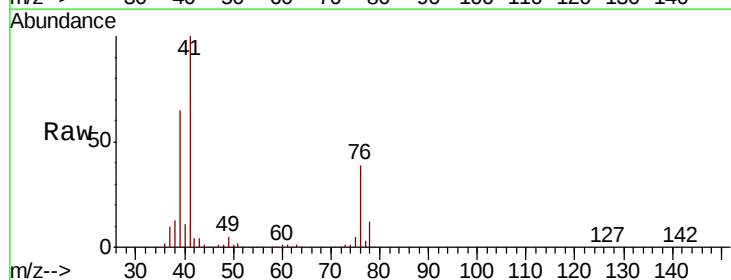
Tgt Ion: 41 Resp: 376759

Ion Ratio Lower Upper

41 100

39 65.5 46.8 70.2

76 37.8 26.6 40.0





#15

Acrylonitrile

Concen: 252.126 ug/l

RT: 2.92 min Scan# 568

Delta R.T. -0.00 min

Lab File: VU034021.D

Acq: 28 Aug 2019 14:01

Instrument :

MSVOA_U

ClientSampleId :

ICVVU082919

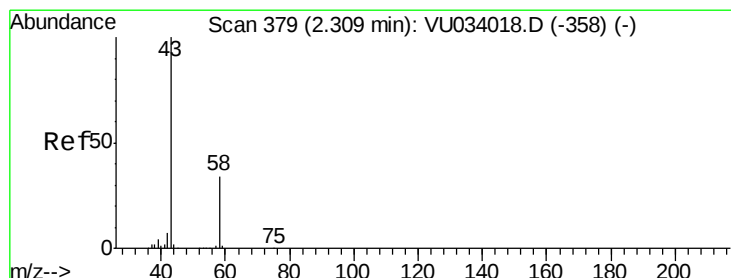
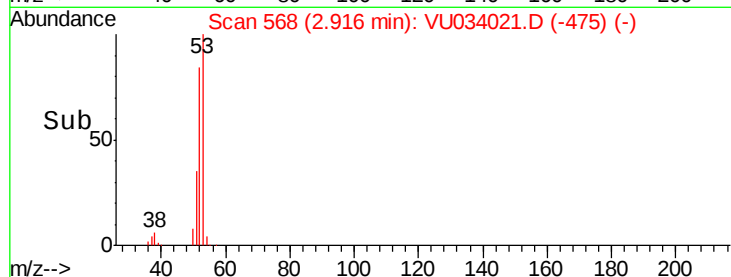
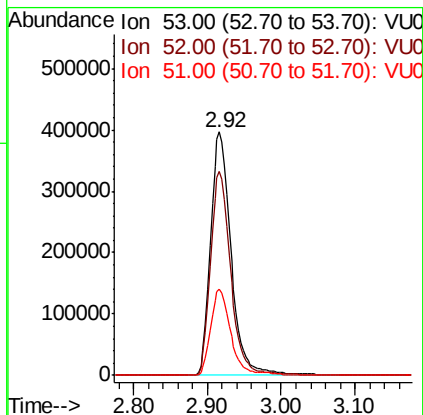
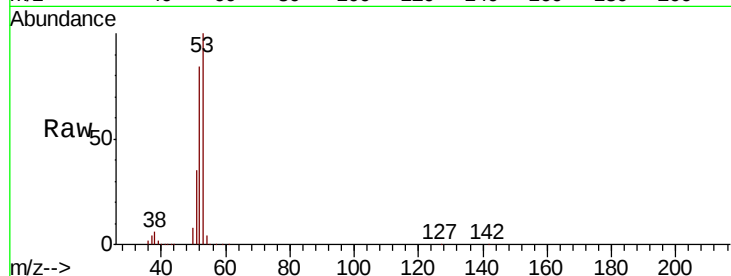
Tgt Ion: 53 Resp: 767858

Ion Ratio Lower Upper

53 100

52 82.6 65.7 98.5

51 35.1 27.9 41.9



#16

Acetone

Concen: 237.583 ug/l

RT: 2.31 min Scan# 379

Delta R.T. -0.00 min

Lab File: VU034021.D

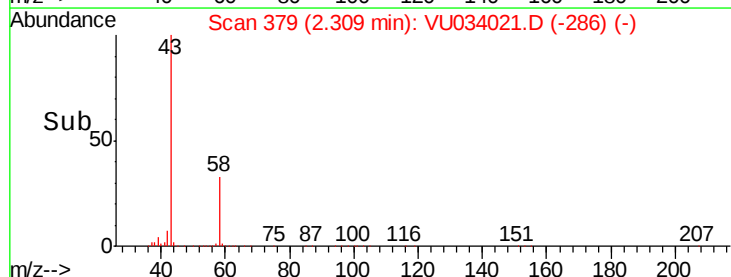
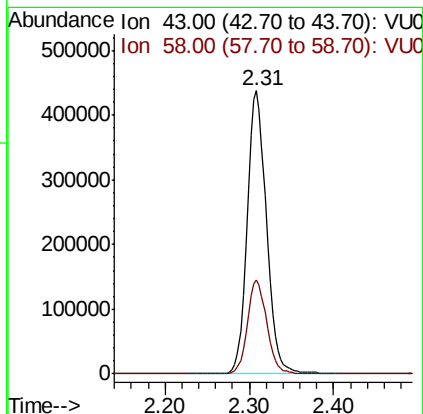
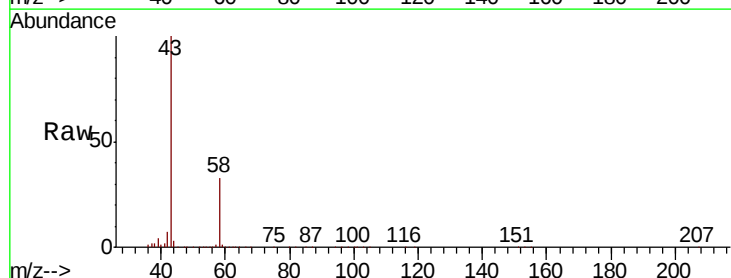
Acq: 28 Aug 2019 14:01

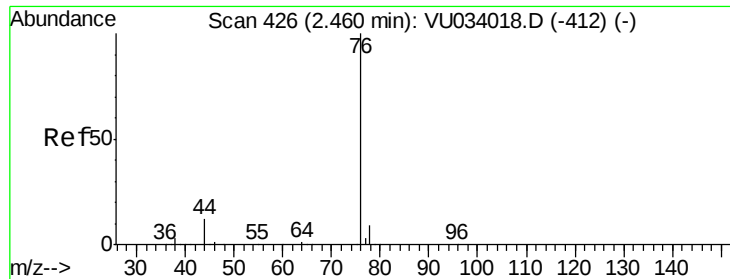
Tgt Ion: 43 Resp: 697691

Ion Ratio Lower Upper

43 100

58 33.3 26.8 40.2

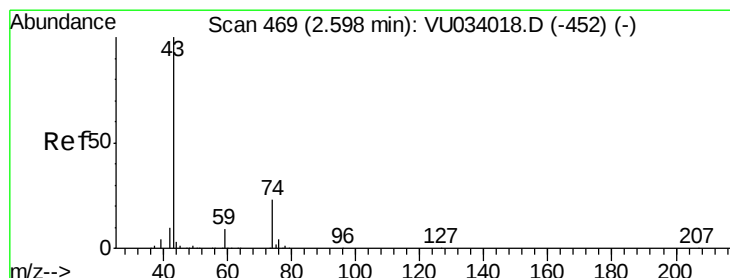
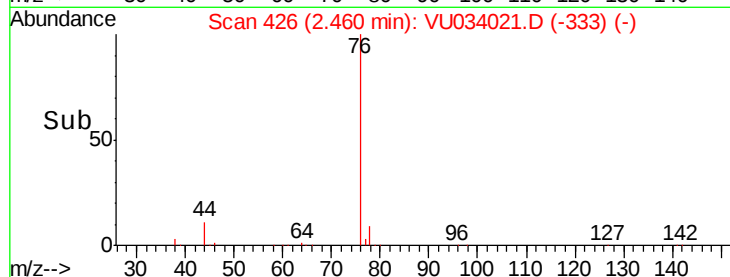
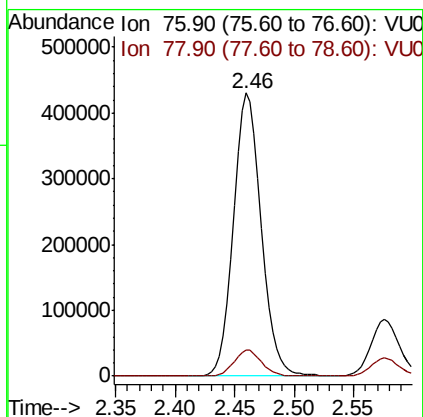
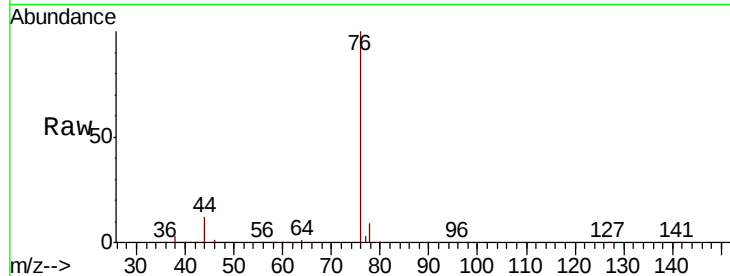




#17
Carbon Disulfide
Concen: 48.783 ug/l
RT: 2.46 min Scan# 426
Delta R.T. -0.00 min
Lab File: VU034021.D
Acq: 28 Aug 2019 14:01

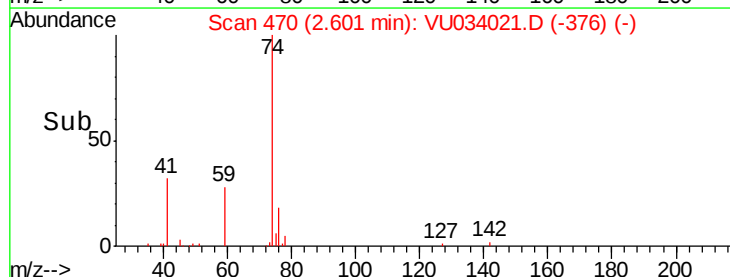
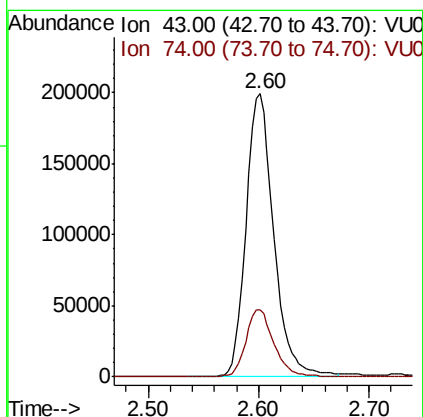
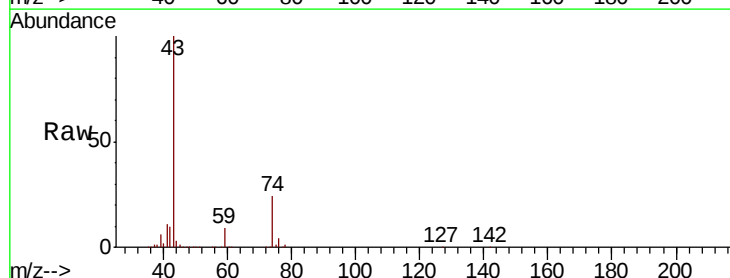
Instrument :
MSVOA_U
ClientSampleId :
ICVVU082919

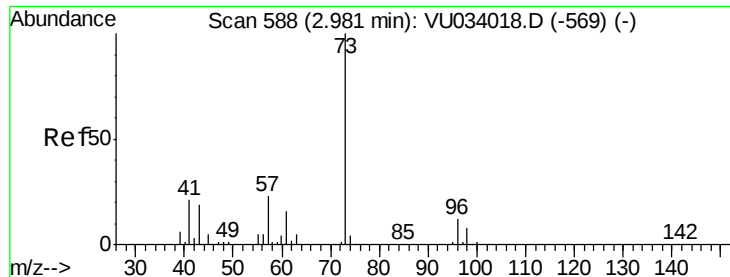
Tgt Ion: 76 Resp: 694253
Ion Ratio Lower Upper
76 100
78 9.3 7.1 10.7



#18
Methyl Acetate
Concen: 45.288 ug/l
RT: 2.60 min Scan# 470
Delta R.T. 0.00 min
Lab File: VU034021.D
Acq: 28 Aug 2019 14:01

Tgt Ion: 43 Resp: 343681
Ion Ratio Lower Upper
43 100
74 24.5 19.2 28.8





#19

Methyl tert-butyl Ether

Concen: 51.439 ug/l

RT: 2.98 min Scan# 588

Delta R.T. -0.00 min

Lab File: VU034021.D

Acq: 28 Aug 2019 14:01

Instrument :

MSVOA_U

ClientSampleId :

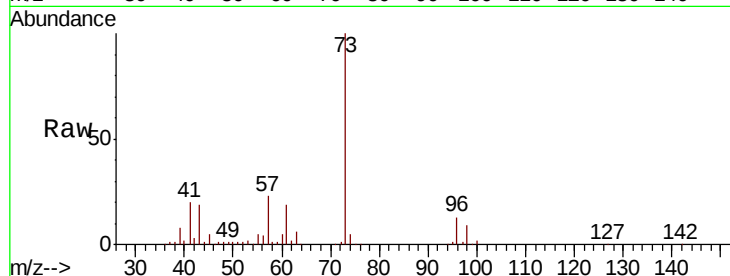
ICVVU082919

Tgt Ion: 73 Resp: 757862

Ion Ratio Lower Upper

73 100

57 23.0 18.3 27.5



Abundance Ion 73.00 (72.70 to 73.70): VU034021.D (-495) (-)

Ion 57.00 (56.70 to 57.70): VU034021.D (-495) (-)

2.98

400000

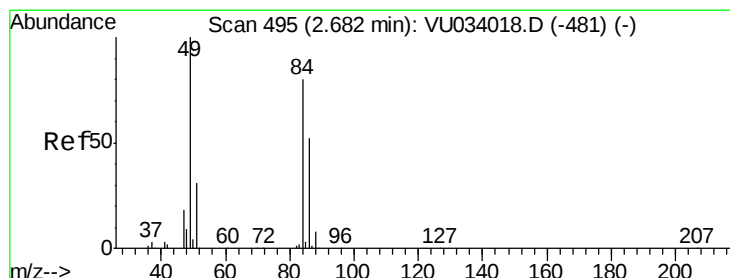
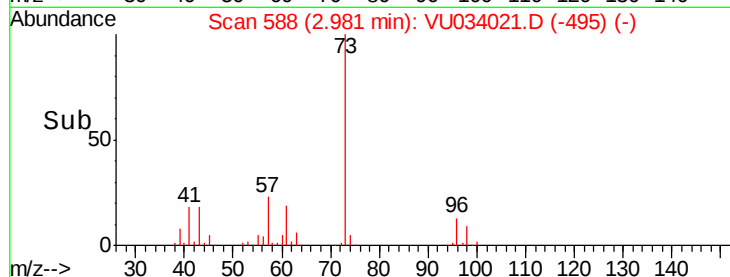
300000

200000

100000

0

Time-->



#20

Methylene Chloride

Concen: 47.532 ug/l

RT: 2.68 min Scan# 496

Delta R.T. 0.00 min

Lab File: VU034021.D

Acq: 28 Aug 2019 14:01

Tgt Ion: 84 Resp: 264249

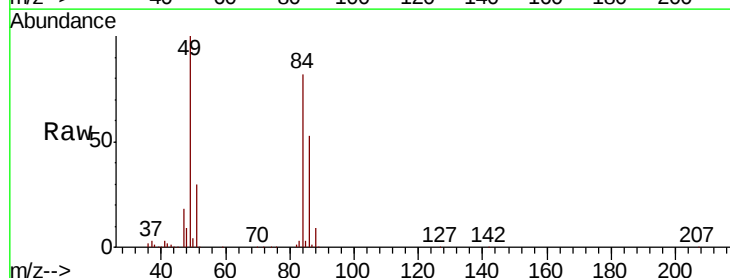
Ion Ratio Lower Upper

84 100

49 122.5 100.2 150.4

51 37.2 30.8 46.2

86 64.7 52.5 78.7



Abundance Ion 83.90 (83.60 to 84.60): VU034021.D (-402) (-)

Ion 48.90 (48.60 to 49.60): VU034021.D (-402) (-)

Ion 50.90 (50.60 to 51.60): VU034021.D (-402) (-)

Ion 85.90 (85.60 to 86.60): VU034021.D (-402) (-)

2.68

250000

200000

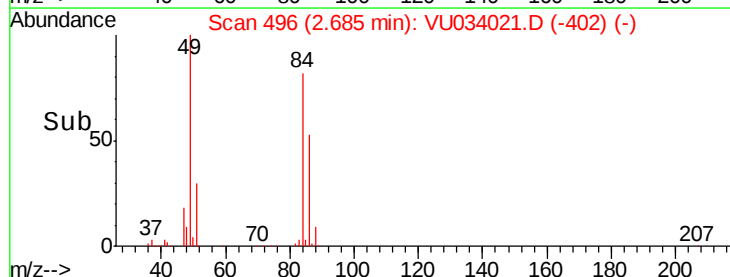
150000

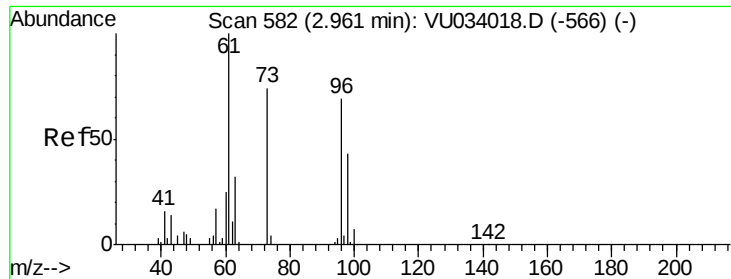
100000

50000

0

Time-->





#21

trans-1,2-Dichloroethene

Concen: 49.580 ug/l

RT: 2.96 min Scan# 582

Delta R.T. -0.00 min

Lab File: VU034021.D

Acq: 28 Aug 2019 14:01

Instrument :

MSVOA_U

ClientSampleId :

ICVVU082919

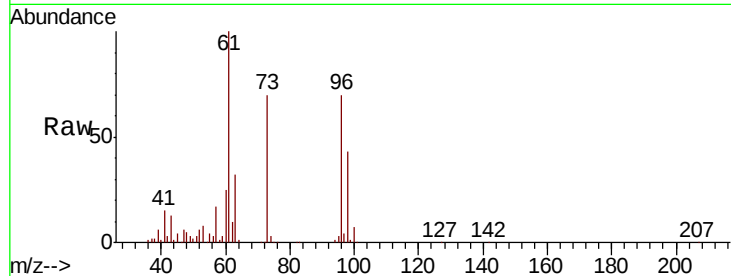
Tgt Ion: 96 Resp: 241956

Ion Ratio Lower Upper

96 100

61 143.8 115.5 173.3

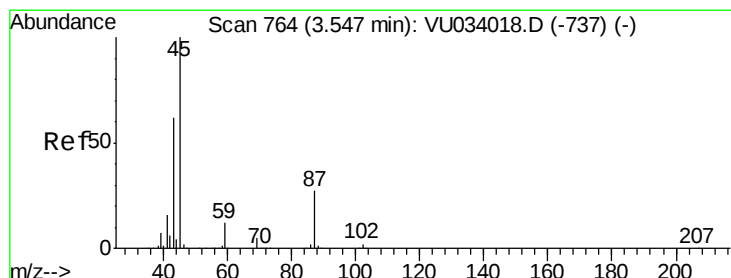
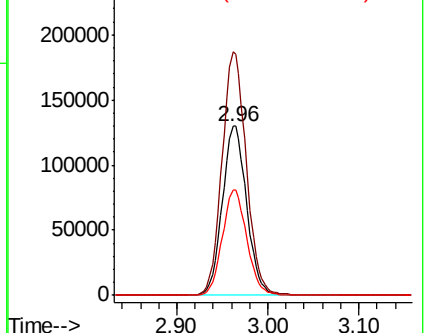
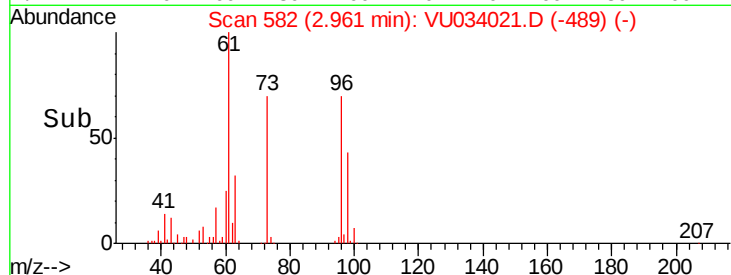
98 62.4 50.1 75.1



Abundance Ion 95.90 (95.60 to 96.60): VU034021.D (-489) (-)

Ion 60.90 (60.60 to 61.60): VU034021.D (-489) (-)

Ion 97.90 (97.60 to 98.60): VU034021.D (-489) (-)



#22

Diisopropyl ether

Concen: 50.329 ug/l

RT: 3.55 min Scan# 765

Delta R.T. 0.00 min

Lab File: VU034021.D

Acq: 28 Aug 2019 14:01

Tgt Ion: 45 Resp: 779689

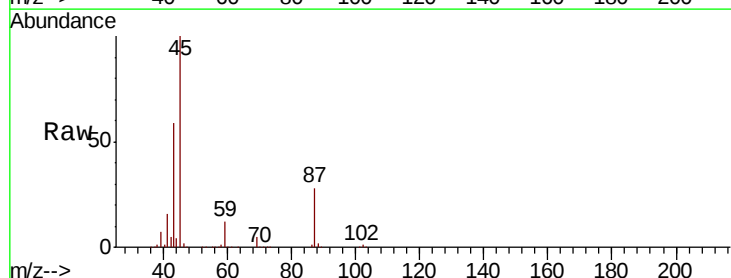
Ion Ratio Lower Upper

45 100

43 59.0 49.7 74.5

87 28.3 21.8 32.8

59 12.0 9.3 13.9

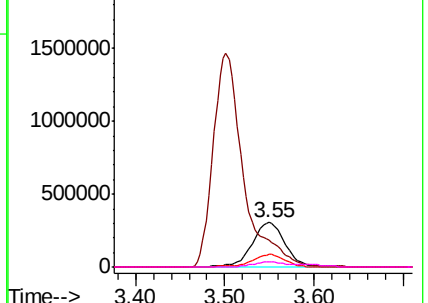
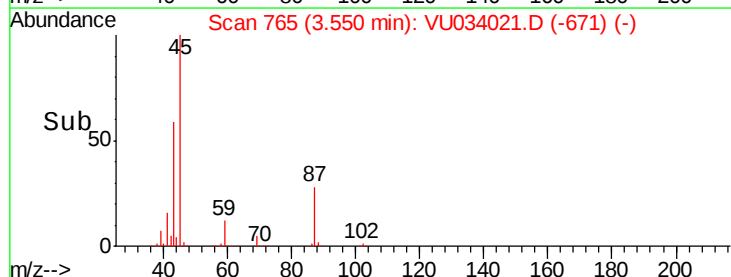


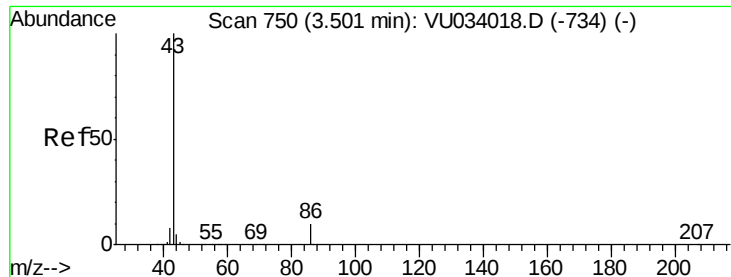
Abundance Ion 45.00 (44.70 to 45.70): VU034021.D (-671) (-)

Ion 43.00 (42.70 to 43.70): VU034021.D (-671) (-)

Ion 87.00 (86.70 to 87.70): VU034021.D (-671) (-)

Ion 59.00 (58.70 to 59.70): VU034021.D (-671) (-)





#23

Vinyl Acetate

Concen: 260.791 ug/l

RT: 3.50 min Scan# 750

Delta R.T. -0.00 min

Lab File: VU034021.D

Acq: 28 Aug 2019 14:01

Instrument :

MSVOA_U

ClientSampleId :

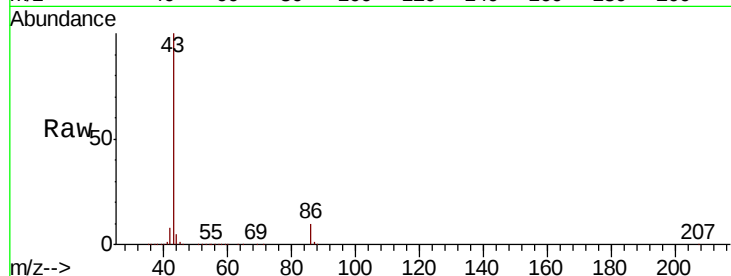
ICVVU082919

Tgt Ion: 43 Resp: 3470614

Ion Ratio Lower Upper

43 100

86 10.3 8.3 12.5



Abundance Ion 43.00 (42.70 to 43.70): VU034021.D (-657) (-)

Ion 86.00 (85.70 to 86.70): VU034021.D (-657) (-)

1500000

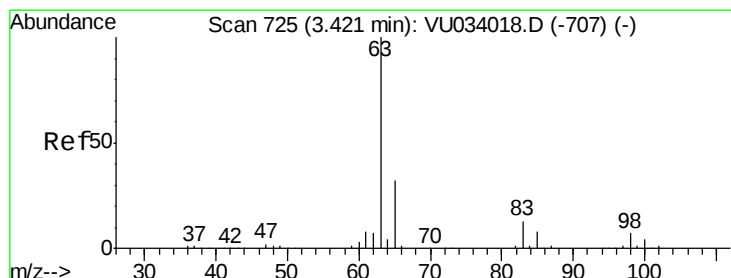
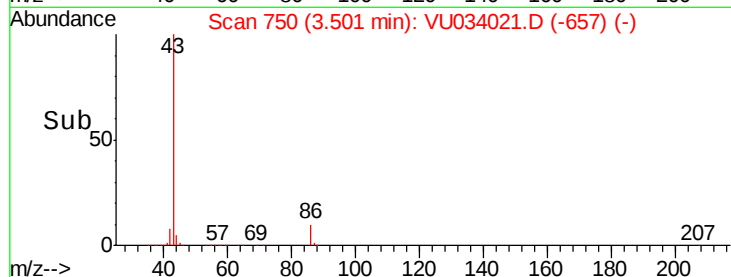
1000000

500000

0

3.40 3.50 3.60 3.70

Time-->



#24

1,1-Dichloroethane

Concen: 49.835 ug/l

RT: 3.42 min Scan# 725

Delta R.T. -0.00 min

Lab File: VU034021.D

Acq: 28 Aug 2019 14:01

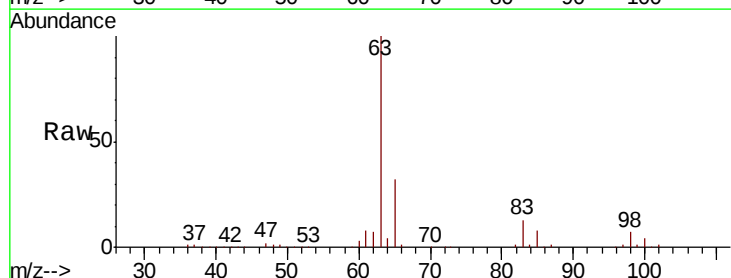
Tgt Ion: 63 Resp: 455801

Ion Ratio Lower Upper

63 100

98 6.7 3.3 9.8

100 4.1 2.0 6.0



Abundance Ion 62.90 (62.60 to 63.60): VU034021.D (-632) (-)

Ion 97.90 (97.60 to 98.60): VU034021.D (-632) (-)

Ion 99.90 (99.60 to 100.60): VU034021.D (-632) (-)

250000

200000

150000

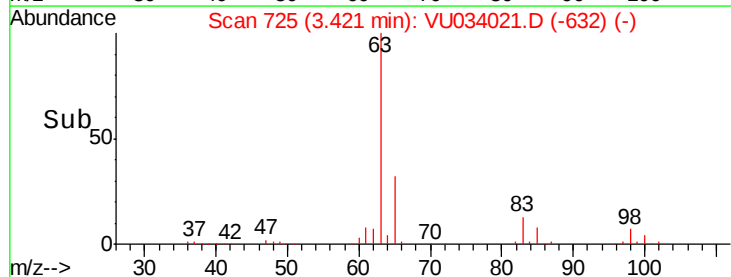
100000

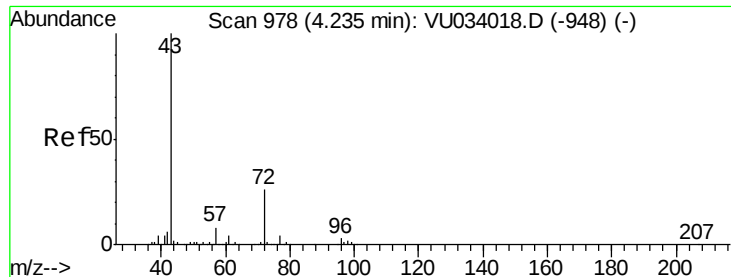
50000

0

3.30 3.40 3.50

Time-->

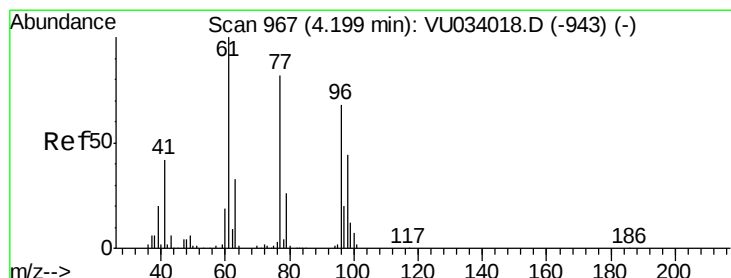
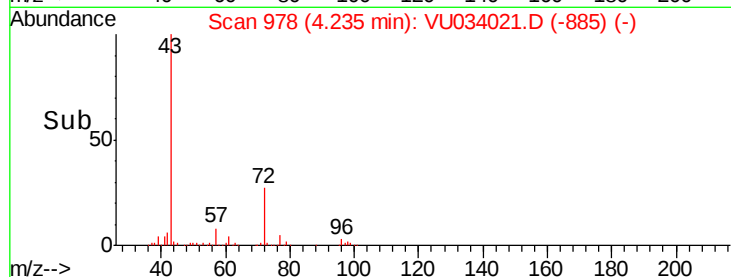
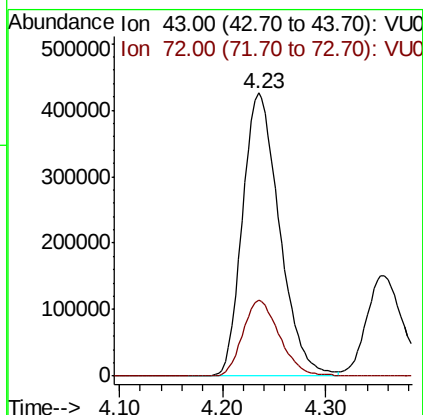
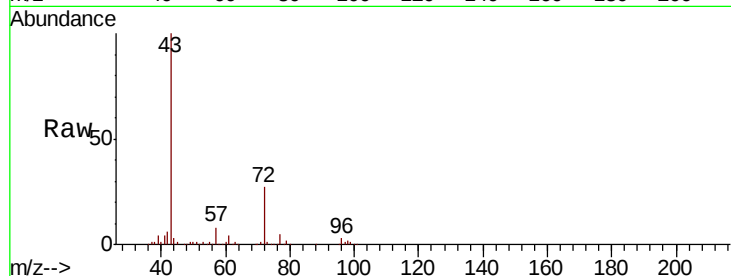




#25
 2-Butanone
 Concen: 258.291 ug/l
 RT: 4.23 min Scan# 978
 Delta R.T. -0.00 min
 Lab File: VU034021.D
 Acq: 28 Aug 2019 14:01

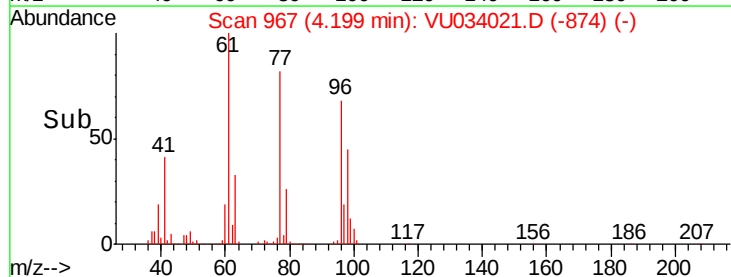
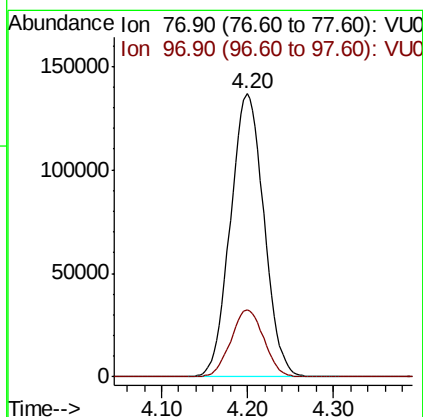
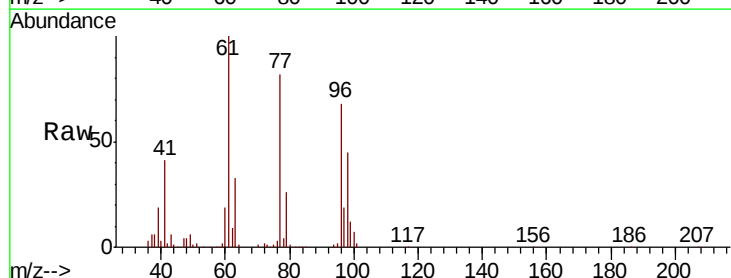
Instrument :
 MSVOA_U
 ClientSampleId :
 ICVVU082919

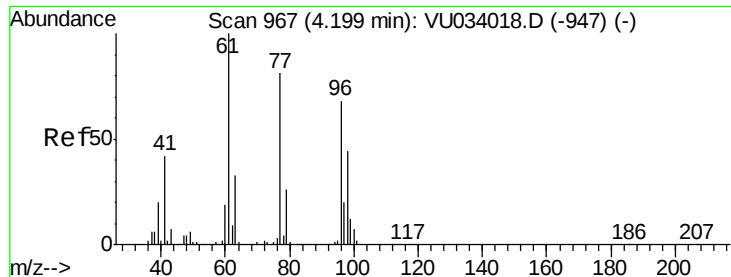
Tgt Ion: 43 Resp: 1055279
 Ion Ratio Lower Upper
 43 100
 72 26.7 21.2 31.8



#26
 2,2-Dichloropropane
 Concen: 49.727 ug/l
 RT: 4.20 min Scan# 967
 Delta R.T. -0.00 min
 Lab File: VU034021.D
 Acq: 28 Aug 2019 14:01

Tgt Ion: 77 Resp: 370085
 Ion Ratio Lower Upper
 77 100
 97 23.5 11.6 34.7



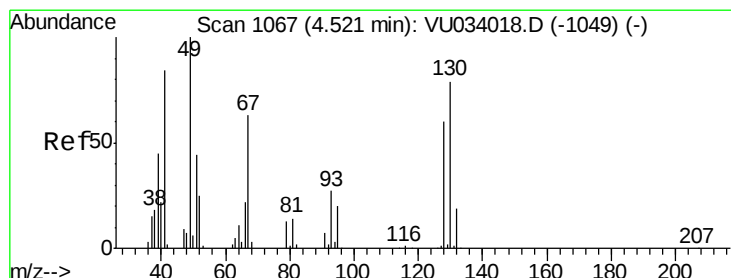
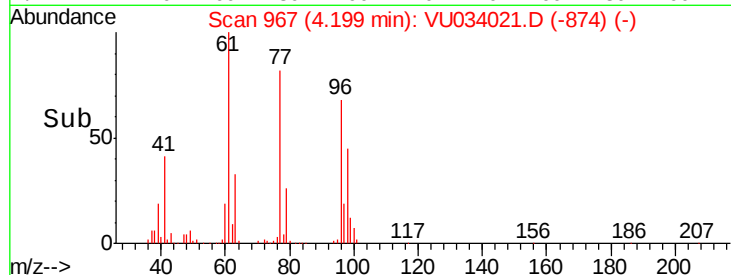
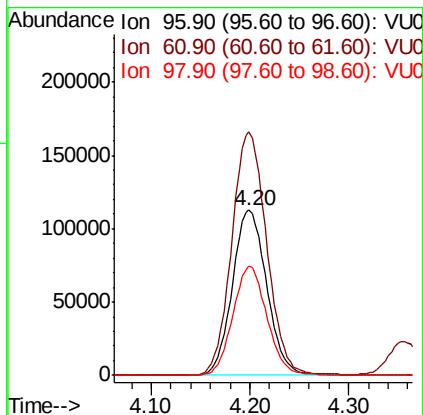
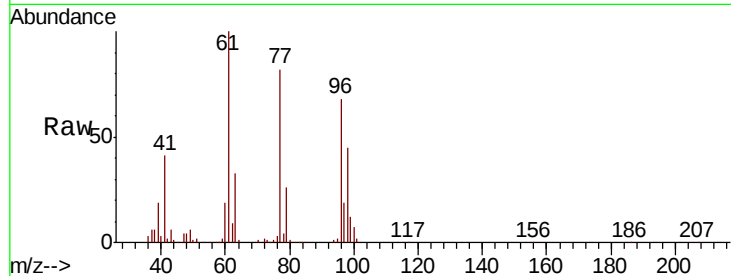


#27

cis-1,2-Dichloroethene
Concen: 49.852 ug/l
RT: 4.20 min Scan# 967
Delta R.T. -0.00 min
Lab File: VU034021.D
Acq: 28 Aug 2019 14:01

Instrument :
MSVOA_U
ClientSampleId :
ICVVU082919

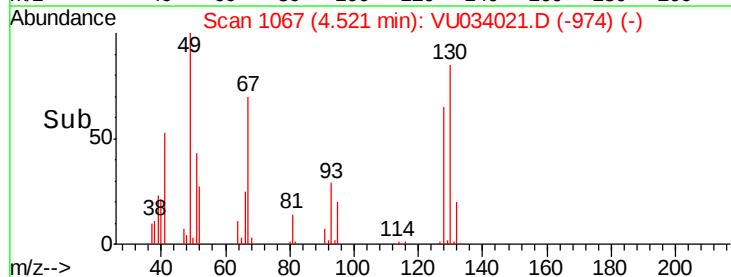
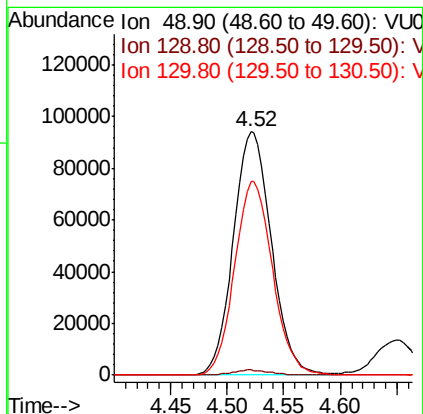
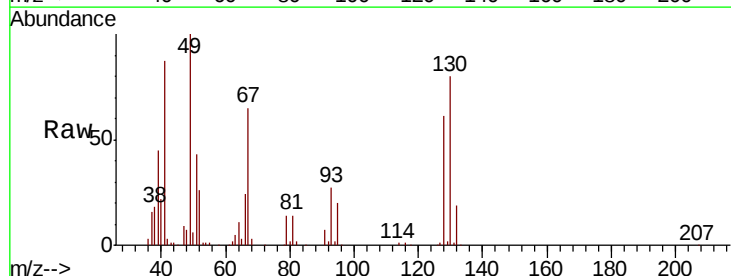
Tgt Ion: 96 Resp: 273067
Ion Ratio Lower Upper
96 100
61 150.0 0.0 303.0
98 65.6 0.0 129.2

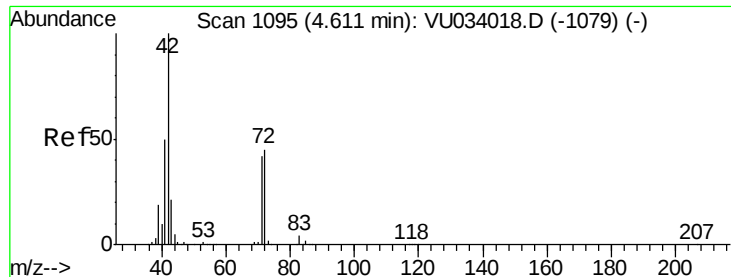


#28

Bromochloromethane
Concen: 49.004 ug/l
RT: 4.52 min Scan# 1067
Delta R.T. -0.00 min
Lab File: VU034021.D
Acq: 28 Aug 2019 14:01

Tgt Ion: 49 Resp: 220821
Ion Ratio Lower Upper
49 100
129 2.0 0.0 3.6
130 79.6 62.8 94.2

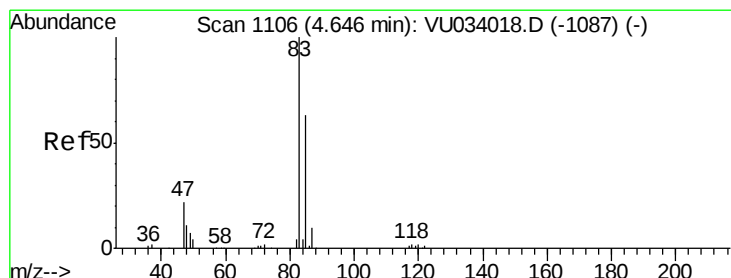
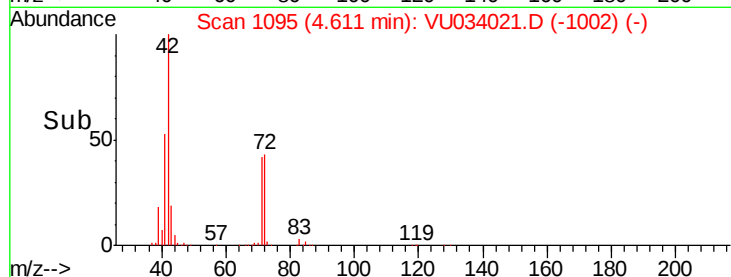
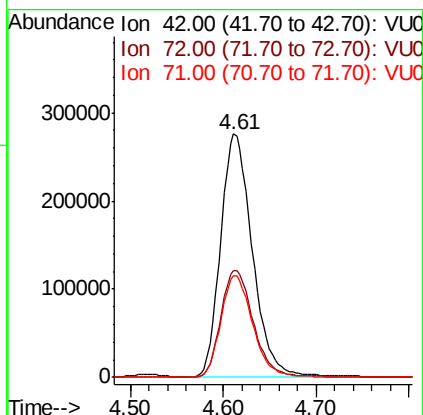
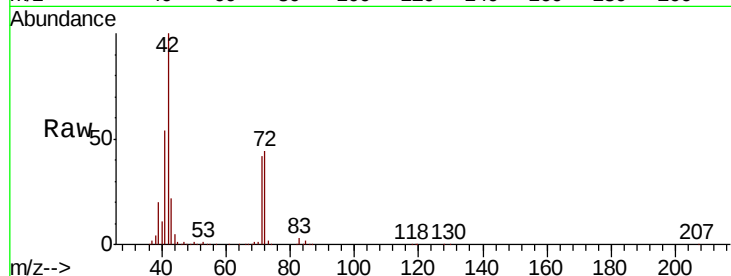




#29
Tetrahydrofuran
Concen: 259.190 ug/l
RT: 4.61 min Scan# 1095
Delta R.T. -0.00 min
Lab File: VU034021.D
Acq: 28 Aug 2019 14:01

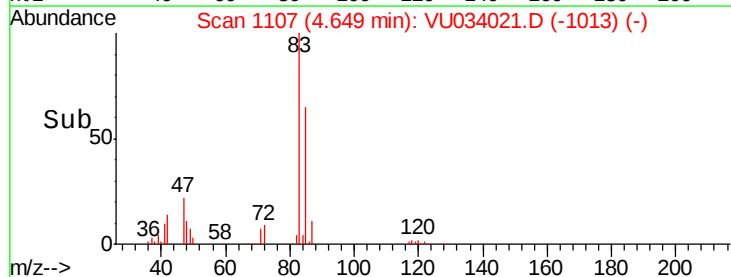
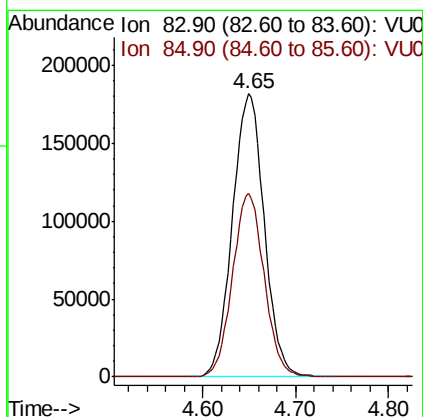
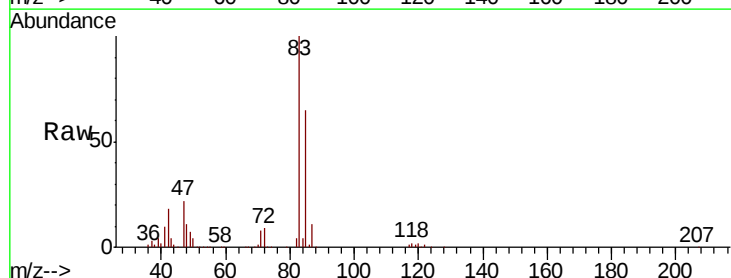
Instrument :
MSVOA_U
ClientSampleId :
ICVVU082919

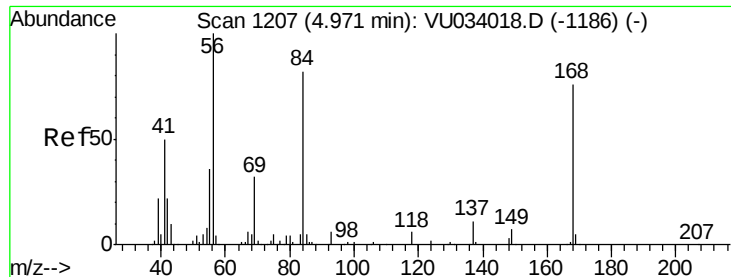
Tgt Ion: 42 Resp: 653056
Ion Ratio Lower Upper
42 100
72 45.3 35.8 53.6
71 42.2 34.0 51.0



#30
Chloroform
Concen: 47.427 ug/l
RT: 4.65 min Scan# 1107
Delta R.T. 0.00 min
Lab File: VU034021.D
Acq: 28 Aug 2019 14:01

Tgt Ion: 83 Resp: 432794
Ion Ratio Lower Upper
83 100
85 64.7 50.7 76.1

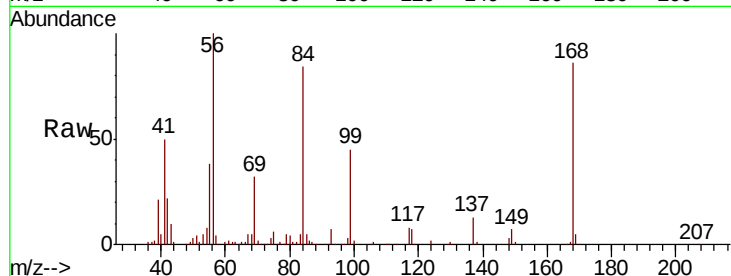




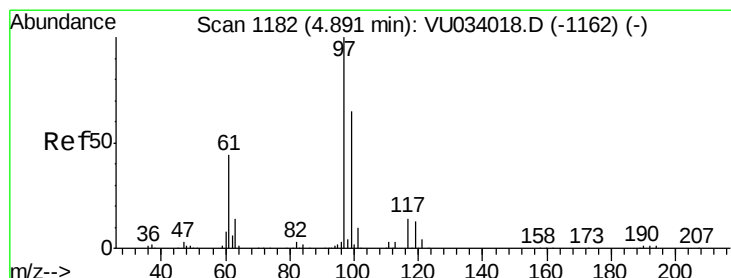
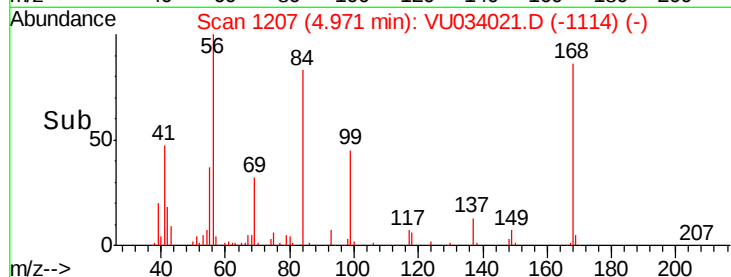
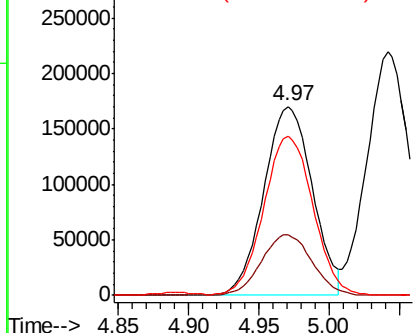
#31
Cyclohexane
Concen: 47.557 ug/l
RT: 4.97 min Scan# 1207
Delta R.T. -0.00 min
Lab File: VU034021.D
Acq: 28 Aug 2019 14:01

Instrument :
MSVOA_U
ClientSampleId :
ICVVU082919

Tgt Ion: 56 Resp: 408721
Ion Ratio Lower Upper
56 100
69 32.0 25.4 38.0
84 83.0 65.8 98.8

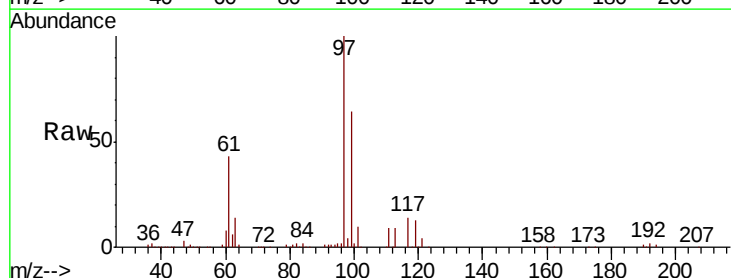


Abundance Ion 56.00 (55.70 to 56.70): VU0
Ion 69.00 (68.70 to 69.70): VU0
Ion 84.00 (83.70 to 84.70): VU0

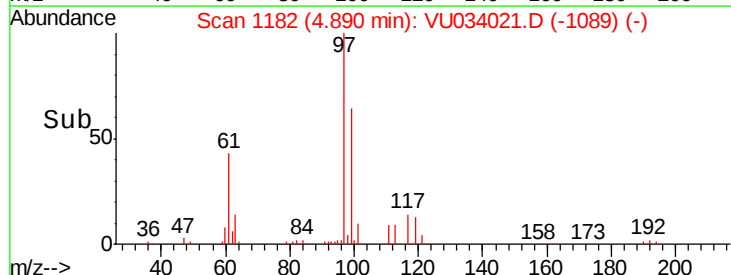
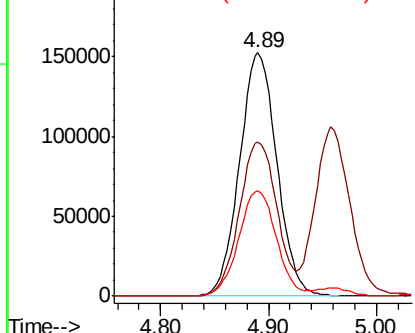


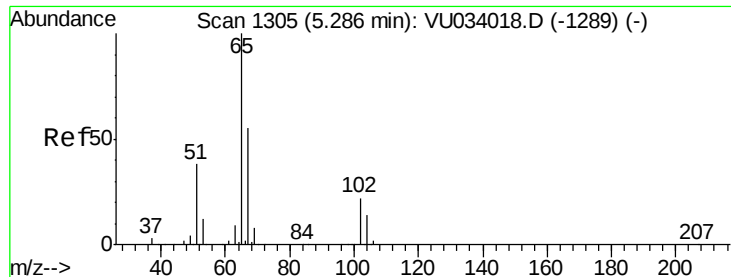
#32
1,1,1-Trichloroethane
Concen: 49.220 ug/l
RT: 4.89 min Scan# 1182
Delta R.T. -0.00 min
Lab File: VU034021.D
Acq: 28 Aug 2019 14:01

Tgt Ion: 97 Resp: 367861
Ion Ratio Lower Upper
97 100
99 64.1 51.8 77.6
61 44.0 35.3 52.9



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





#33

1,2-Dichloroethane-d4

Concen: 47.463 ug/l

RT: 5.29 min Scan# 1305

Delta R.T. -0.00 min

Lab File: VU034021.D

Acq: 28 Aug 2019 14:01

Instrument :

MSVOA_U

ClientSampleId :

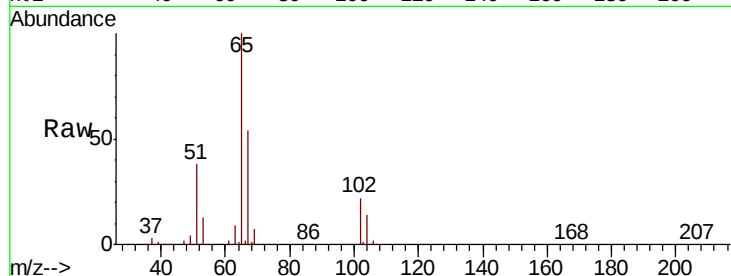
ICVVU082919

Tgt Ion: 65 Resp: 273167

Ion Ratio Lower Upper

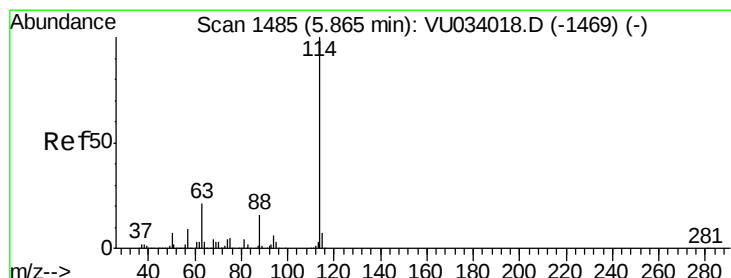
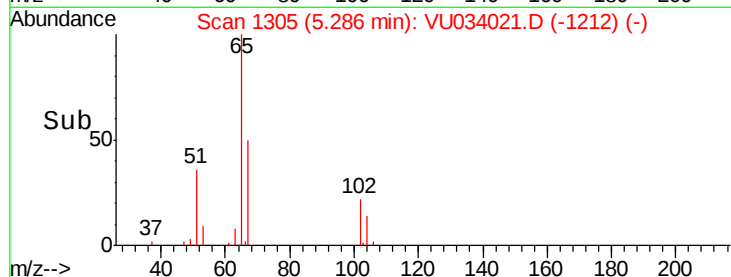
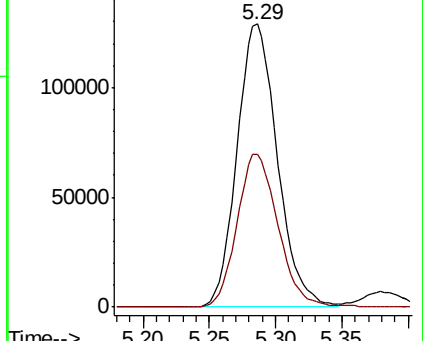
65 100

67 55.1 0.0 110.6



Abundance Ion 64.90 (64.60 to 65.60): VU034021.D (-1212) (-)

Ion 66.90 (66.60 to 67.60): VU034021.D (-1212) (-)



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.86 min Scan# 1485

Delta R.T. -0.00 min

Lab File: VU034021.D

Acq: 28 Aug 2019 14:01

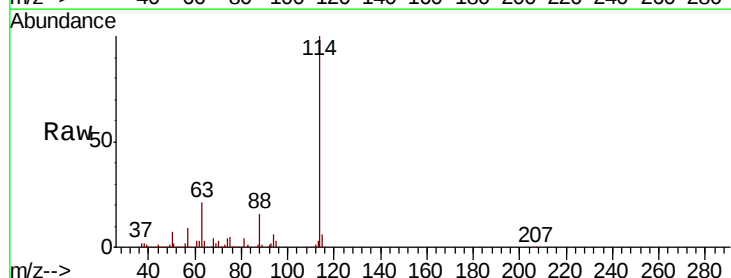
Tgt Ion: 114 Resp: 715791

Ion Ratio Lower Upper

114 100

63 20.8 0.0 42.0

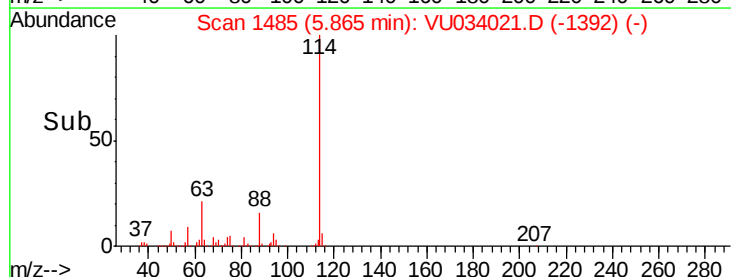
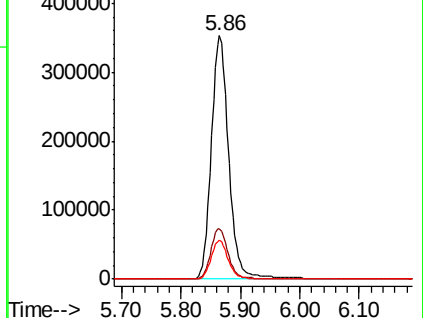
88 16.0 0.0 32.0

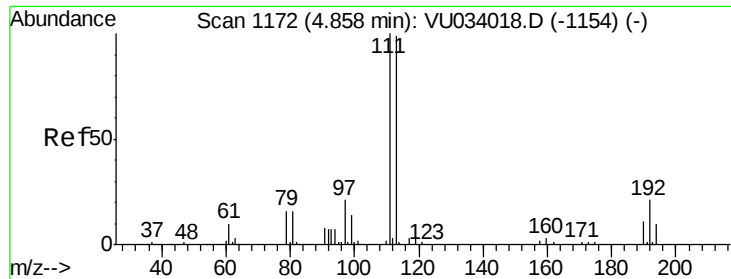


Abundance Ion 113.90 (113.60 to 114.60): VU034021.D (-1392) (-)

Ion 63.00 (62.70 to 63.70): VU034021.D (-1392) (-)

Ion 87.90 (87.60 to 88.60): VU034021.D (-1392) (-)

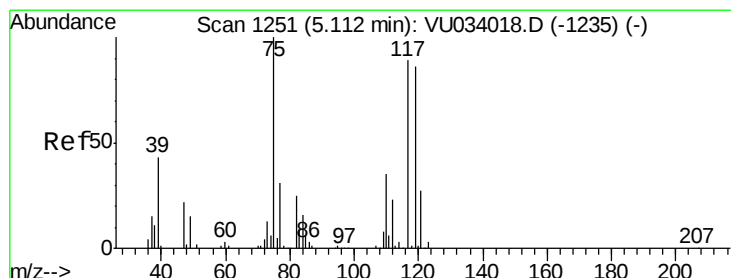
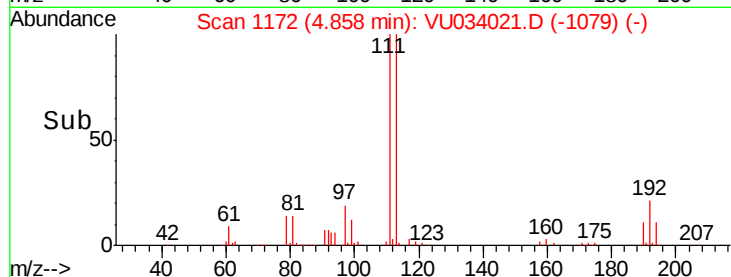
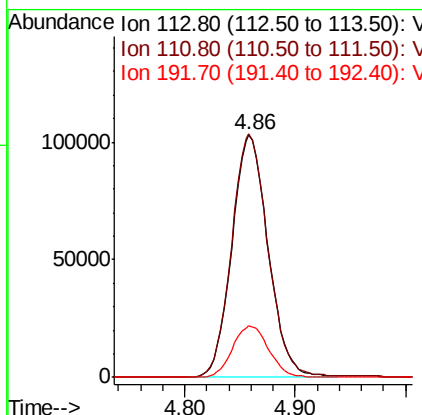
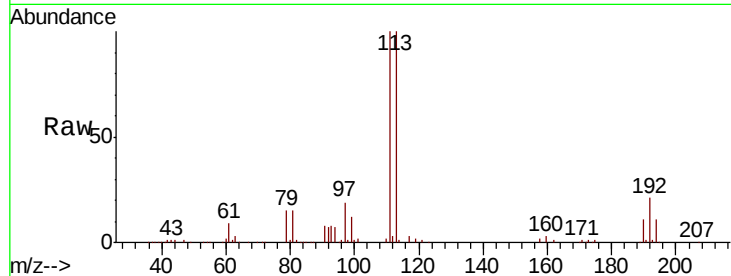




#35
 Dibromofluoromethane
 Concen: 47.246 ug/l
 RT: 4.86 min Scan# 1172
 Delta R.T. -0.00 min
 Lab File: VU034021.D
 Acq: 28 Aug 2019 14:01

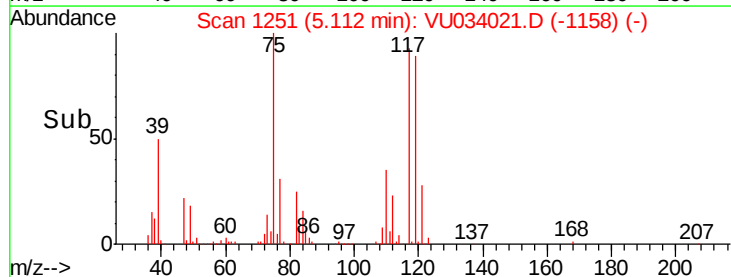
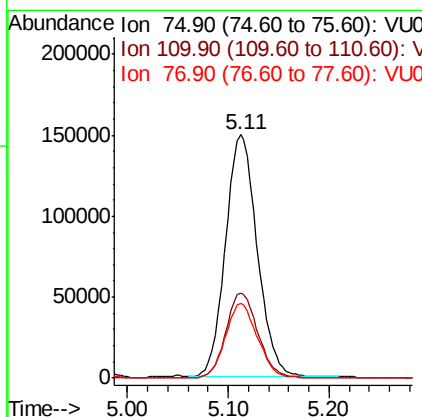
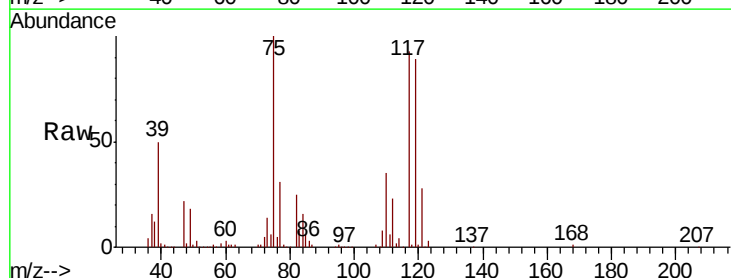
Instrument :
 MSVOA_U
 ClientSampleId :
 ICVVU082919

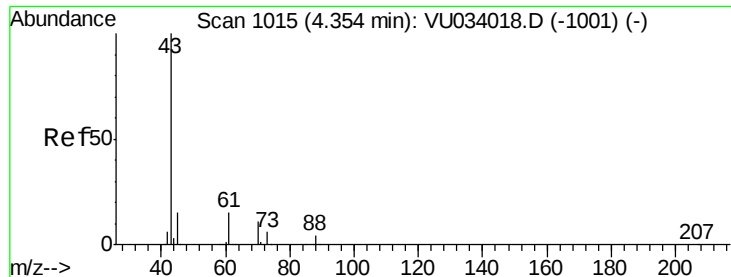
Tgt Ion: 113 Resp: 234562
 Ion Ratio Lower Upper
 113 100
 111 100.5 81.7 122.5
 192 21.3 17.1 25.7



#36
 1,1-Dichloropropene
 Concen: 48.548 ug/l
 RT: 5.11 min Scan# 1251
 Delta R.T. -0.00 min
 Lab File: VU034021.D
 Acq: 28 Aug 2019 14:01

Tgt Ion: 75 Resp: 328691
 Ion Ratio Lower Upper
 75 100
 110 35.5 17.8 53.5
 77 30.8 25.0 37.4

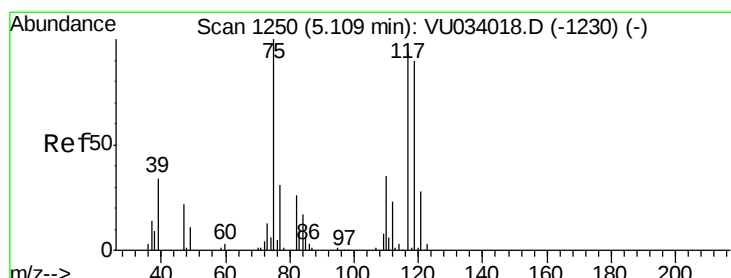
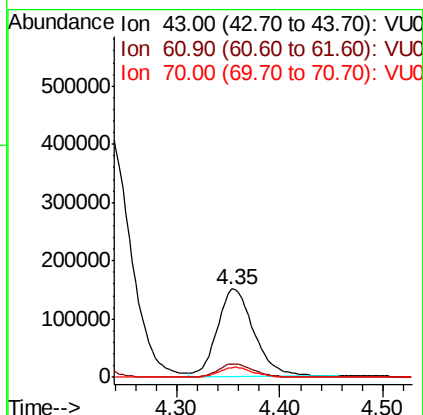
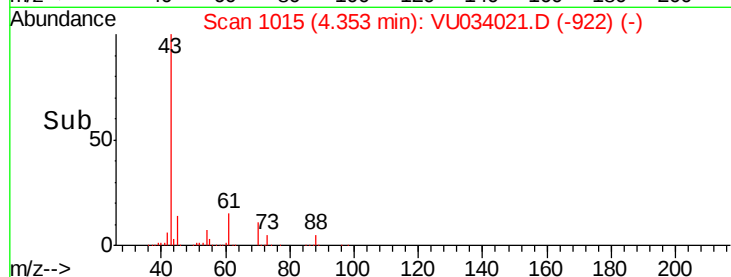
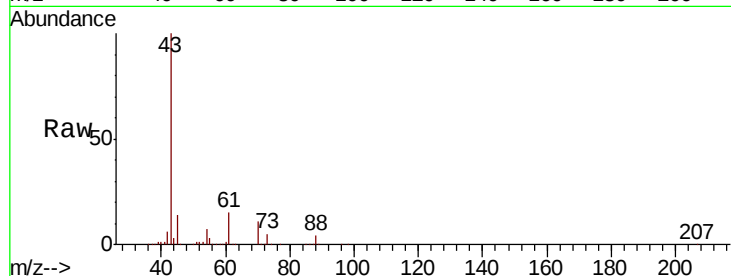




#37
Ethyl Acetate
Concen: 48.840 ug/l
RT: 4.35 min Scan# 1015
Delta R.T. -0.00 min
Lab File: VU034021.D
Acq: 28 Aug 2019 14:01

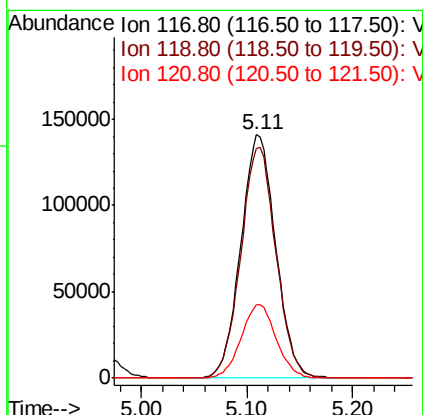
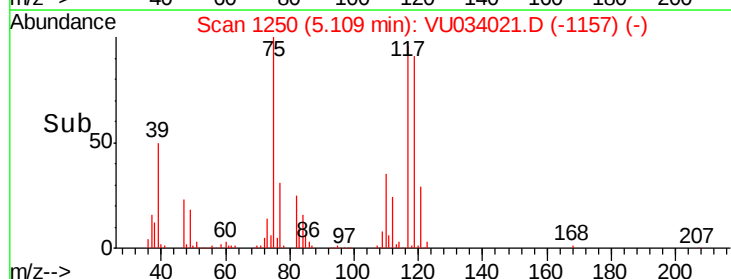
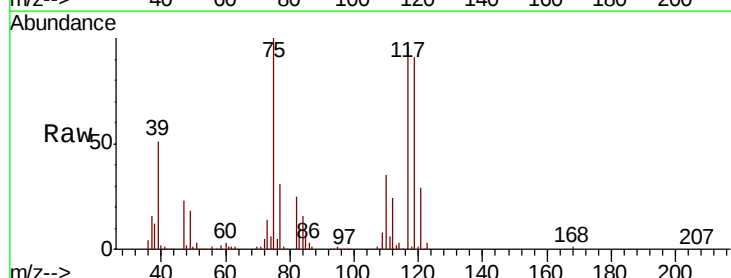
Instrument :
MSVOA_U
ClientSampleId :
ICVVU082919

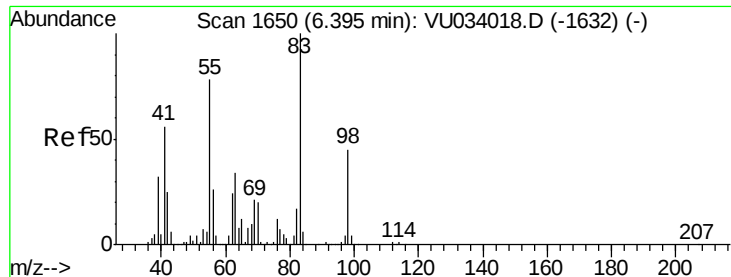
Tgt Ion: 43 Resp: 370291
Ion Ratio Lower Upper
43 100
61 14.8 11.5 17.3
70 11.1 8.6 12.8



#38
Carbon Tetrachloride
Concen: 49.498 ug/l
RT: 5.11 min Scan# 1250
Delta R.T. -0.00 min
Lab File: VU034021.D
Acq: 28 Aug 2019 14:01

Tgt Ion: 117 Resp: 323483
Ion Ratio Lower Upper
117 100
119 94.4 77.0 115.4
121 30.1 23.9 35.9

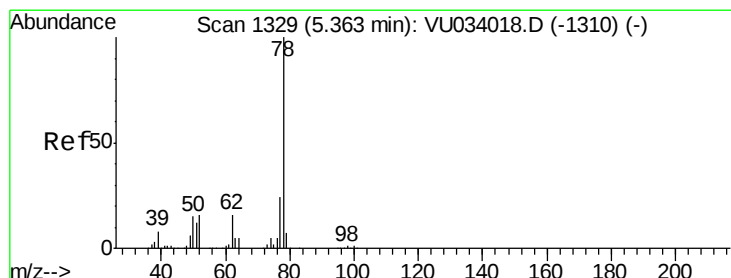
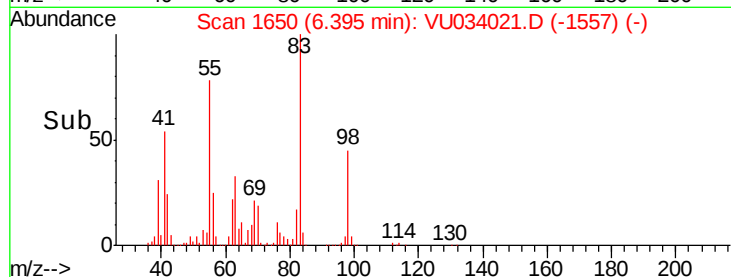
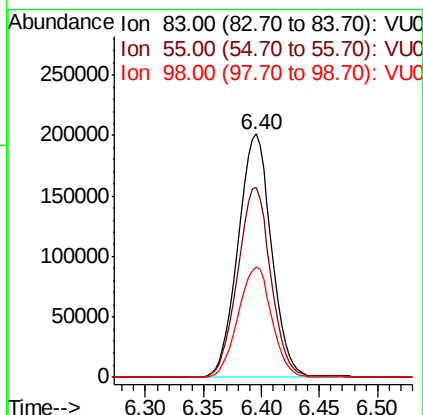
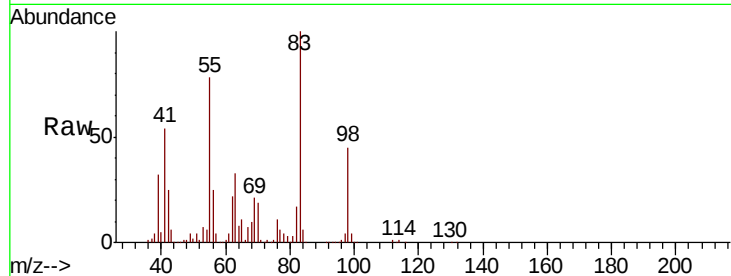




#39
Methylcyclohexane
Concen: 50.650 ug/l
RT: 6.40 min Scan# 1650
Delta R.T. -0.00 min
Lab File: VU034021.D
Acq: 28 Aug 2019 14:01

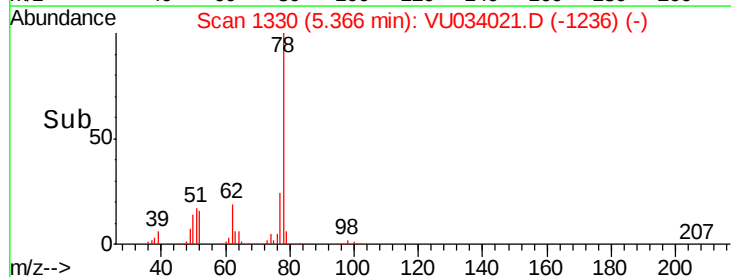
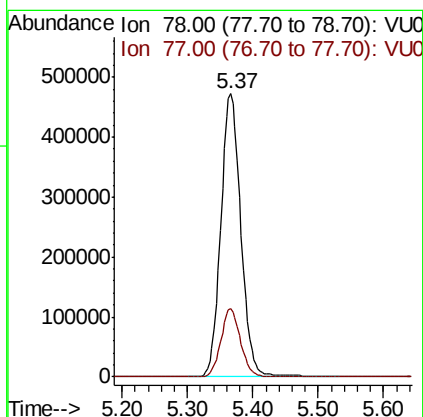
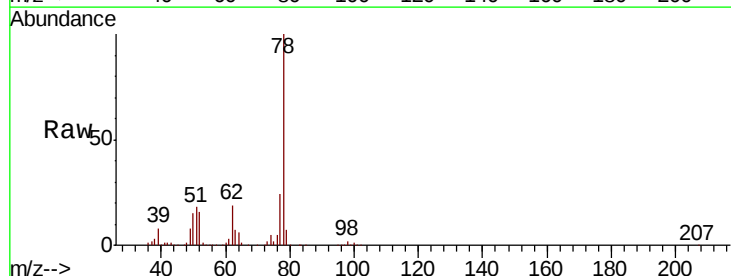
Instrument :
MSVOA_U
ClientSampleId :
ICVVU082919

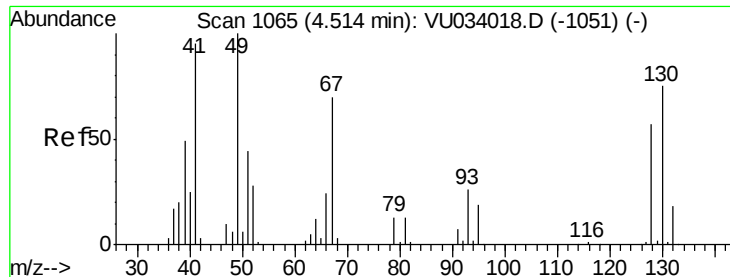
Tgt Ion: 83 Resp: 404185
Ion Ratio Lower Upper
83 100
55 77.8 62.3 93.5
98 45.4 36.2 54.2



#40
Benzene
Concen: 49.273 ug/l
RT: 5.37 min Scan# 1330
Delta R.T. 0.00 min
Lab File: VU034021.D
Acq: 28 Aug 2019 14:01

Tgt Ion: 78 Resp: 1009334
Ion Ratio Lower Upper
78 100
77 23.9 19.0 28.6

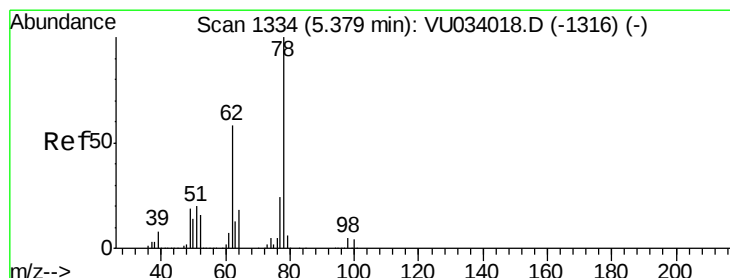
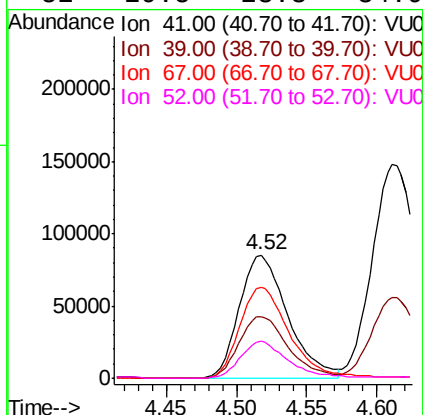
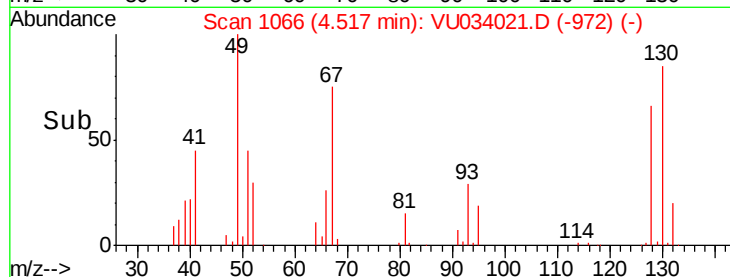
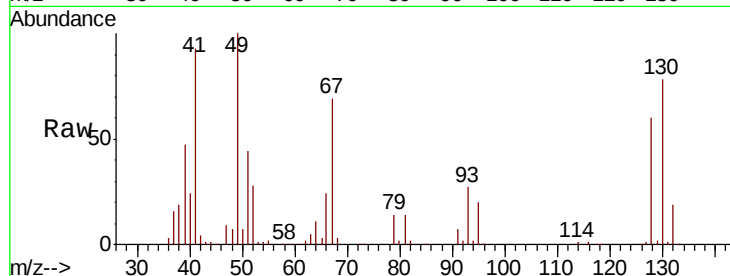




#41
Methacrylonitrile
Concen: 52.178 ug/l
RT: 4.52 min Scan# 1066
Delta R.T. 0.00 min
Lab File: VU034021.D
Acq: 28 Aug 2019 14:01

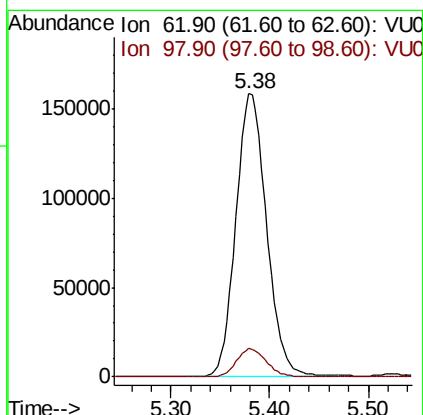
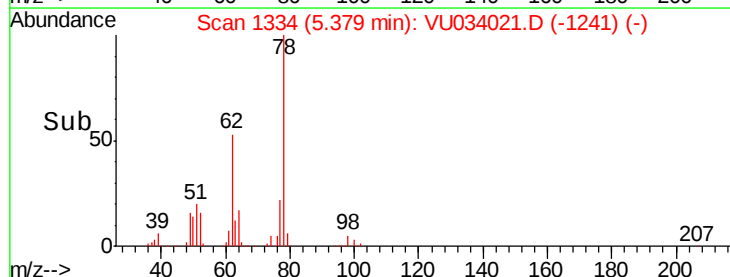
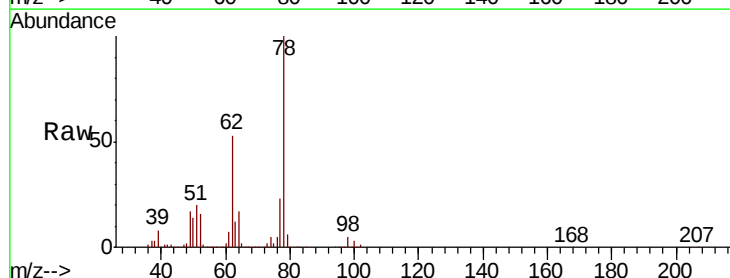
Instrument :
MSVOA_U
ClientSampleId :
ICVVU082919

Tgt Ion:	41	Resp:	202886
Ion	Ratio	Lower	Upper
41	100		
39	51.0	42.1	63.1
67	76.9	61.0	91.4
52	29.5	23.3	34.9



#42
1,2-Dichloroethane
Concen: 48.347 ug/l
RT: 5.38 min Scan# 1334
Delta R.T. -0.00 min
Lab File: VU034021.D
Acq: 28 Aug 2019 14:01

Tgt Ion:	62	Resp:	341990
Ion	Ratio	Lower	Upper
62	100		
98	9.7	0.0	18.2

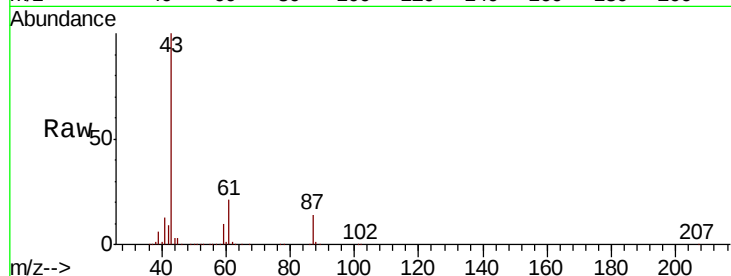




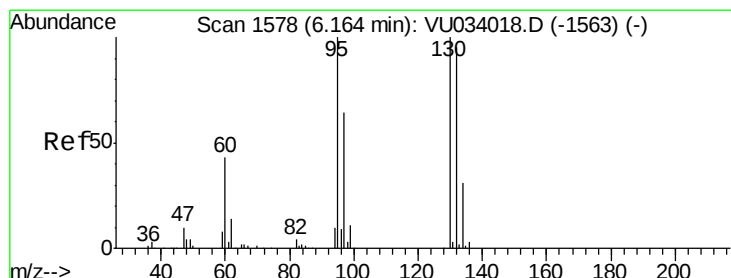
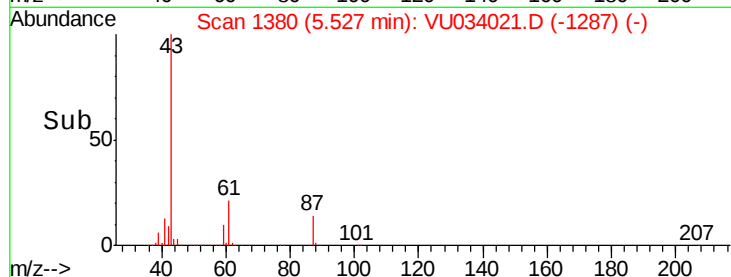
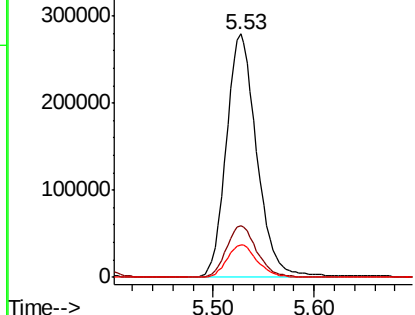
#43
Isopropyl Acetate
Concen: 50.608 ug/l
RT: 5.53 min Scan# 1380
Delta R.T. -0.00 min
Lab File: VU034021.D
Acq: 28 Aug 2019 14:01

Instrument :
MSVOA_U
ClientSampleId :
ICVVU082919

Tgt Ion: 43 Resp: 583731
Ion Ratio Lower Upper
43 100
61 21.2 17.2 25.8
87 13.4 10.8 16.2

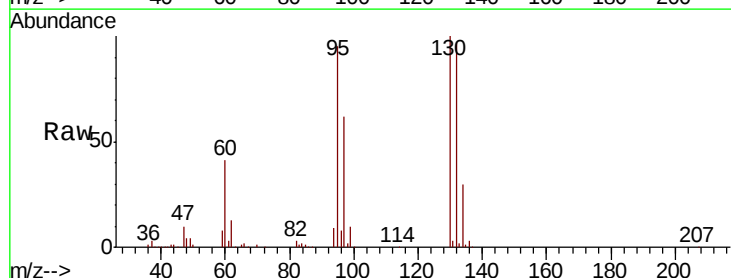


Abundance Ion 43.00 (42.70 to 43.70): VU034021.D (-1287) (-)
Ion 61.00 (60.70 to 61.70): VU034021.D (-1287) (-)
Ion 87.00 (86.70 to 87.70): VU034021.D (-1287) (-)

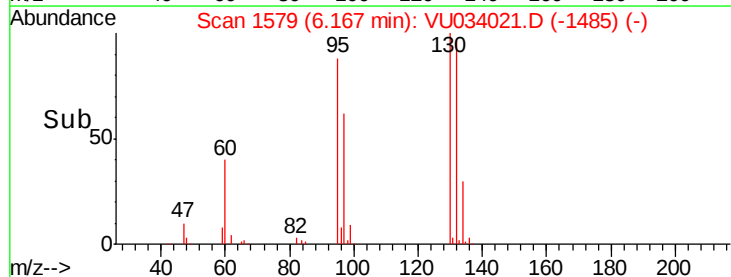
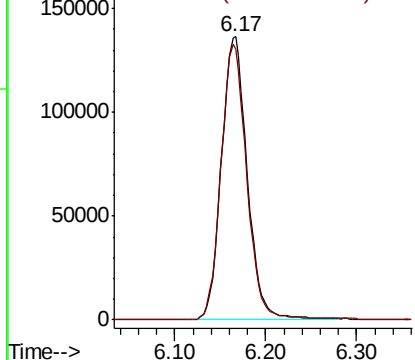


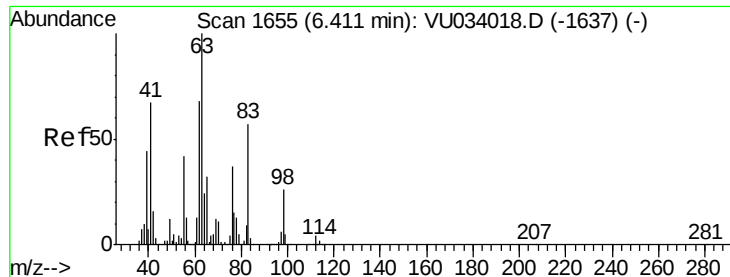
#44
Trichloroethene
Concen: 50.145 ug/l
RT: 6.17 min Scan# 1579
Delta R.T. 0.00 min
Lab File: VU034021.D
Acq: 28 Aug 2019 14:01

Tgt Ion: 130 Resp: 269742
Ion Ratio Lower Upper
130 100
95 95.4 0.0 199.6



Abundance Ion 129.80 (129.50 to 130.50): VU034021.D (-1485) (-)
Ion 94.90 (94.60 to 95.60): VU034021.D (-1485) (-)





#45

1,2-Dichloropropane

Concen: 49.636 ug/l

RT: 6.41 min Scan# 1655

Delta R.T. -0.00 min

Lab File: VU034021.D

Acq: 28 Aug 2019 14:01

Instrument :

MSVOA_U

ClientSampleId :

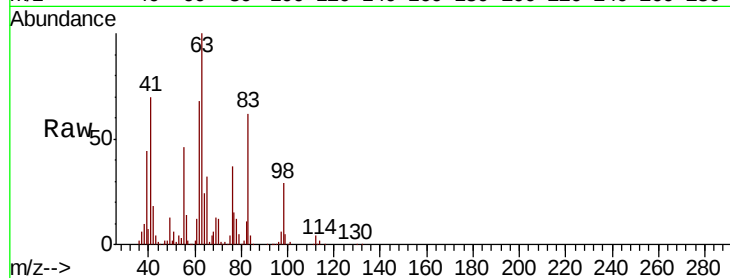
ICVVU082919

Tgt Ion: 63 Resp: 279887

Ion Ratio Lower Upper

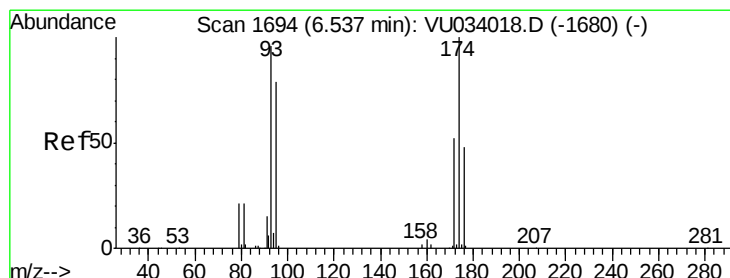
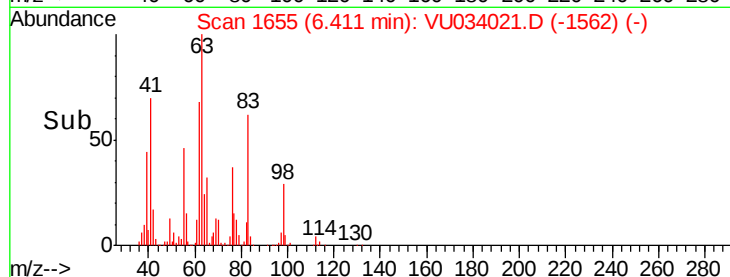
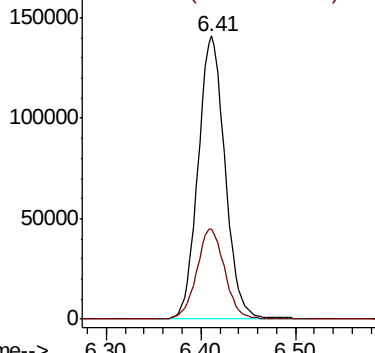
63 100

65 31.8 25.4 38.2



Abundance Ion 62.90 (62.60 to 63.60): VU0

Ion 64.90 (64.60 to 65.60): VU0



#46

Dibromomethane

Concen: 49.274 ug/l

RT: 6.54 min Scan# 1694

Delta R.T. -0.00 min

Lab File: VU034021.D

Acq: 28 Aug 2019 14:01

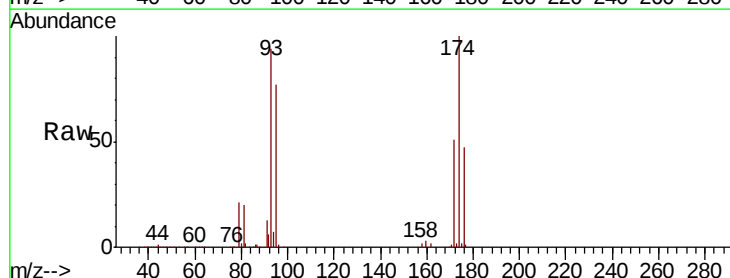
Tgt Ion: 93 Resp: 179007

Ion Ratio Lower Upper

93 100

95 84.1 66.7 100.1

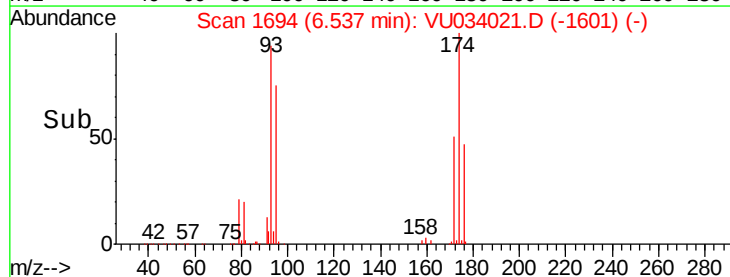
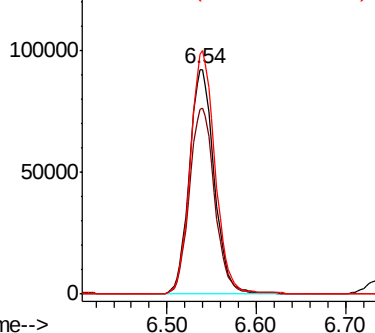
174 106.8 84.9 127.3



Abundance Ion 92.80 (92.50 to 93.50): VU0

Ion 94.80 (94.50 to 95.50): VU0

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 48.741 ug/l

RT: 6.74 min Scan# 1756

Delta R.T. -0.00 min

Lab File: VU034021.D

Acq: 28 Aug 2019 14:01

Instrument :

MSVOA_U

ClientSampleId :

ICVVU082919

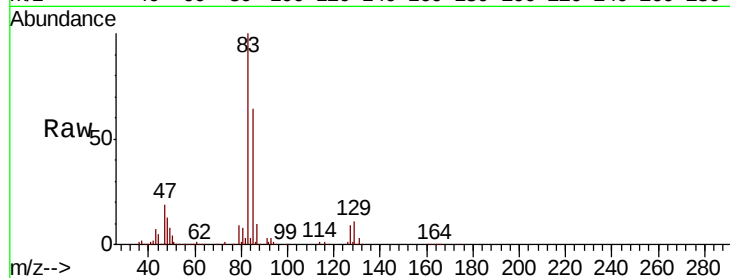
Tgt Ion: 83 Resp: 346437

Ion Ratio Lower Upper

83 100

85 63.9 51.2 76.8

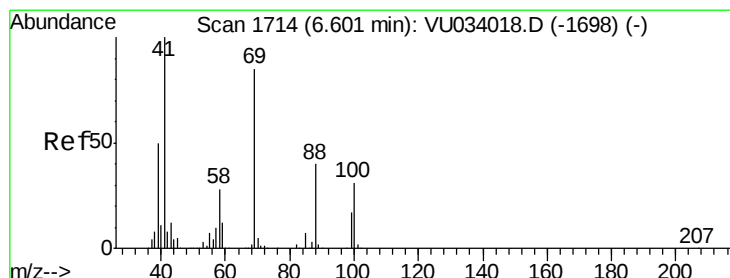
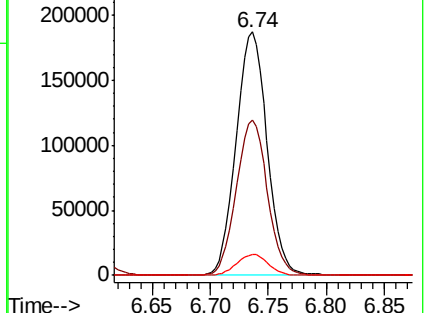
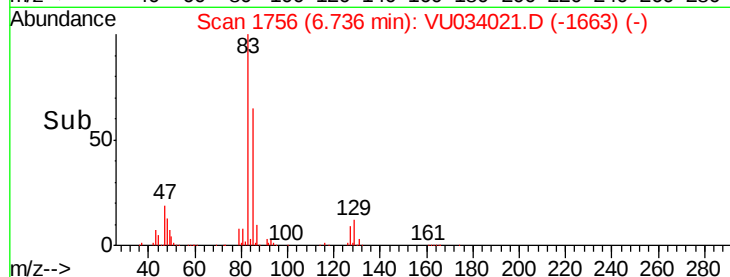
127 8.6 7.0 10.6



Abundance Ion 82.90 (82.60 to 83.60): VU034021.D (-1663) (-)

Ion 84.90 (84.60 to 85.60): VU034021.D (-1663) (-)

Ion 126.80 (126.50 to 127.50): VU034021.D (-1663) (-)



#48

Methyl methacrylate

Concen: 51.926 ug/l

RT: 6.60 min Scan# 1714

Delta R.T. -0.00 min

Lab File: VU034021.D

Acq: 28 Aug 2019 14:01

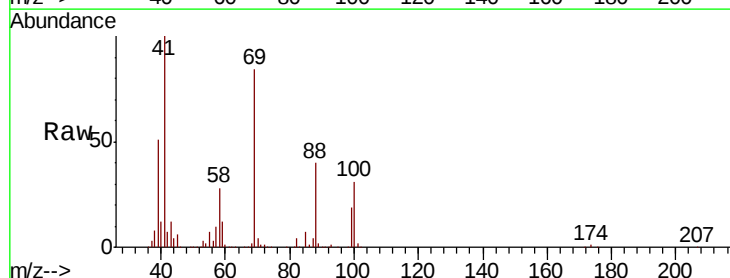
Tgt Ion: 41 Resp: 289019

Ion Ratio Lower Upper

41 100

69 87.9 69.5 104.3

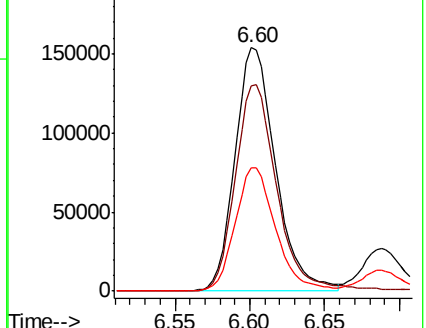
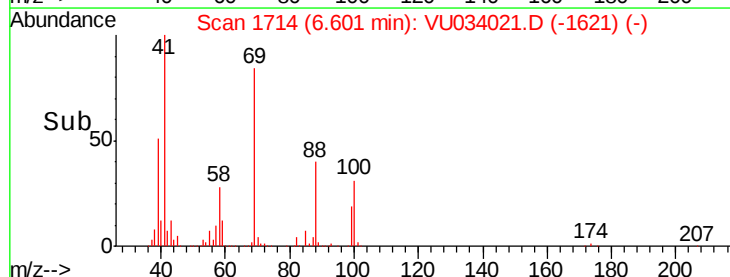
39 50.3 40.3 60.5

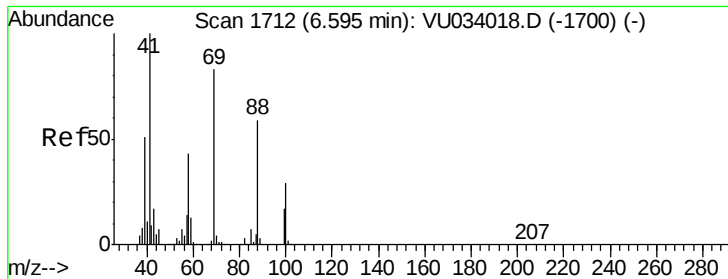


Abundance Ion 41.00 (40.70 to 41.70): VU034021.D (-1621) (-)

Ion 69.00 (68.70 to 69.70): VU034021.D (-1621) (-)

Ion 39.00 (38.70 to 39.70): VU034021.D (-1621) (-)

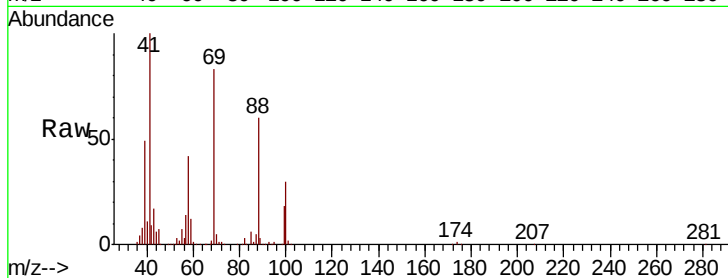




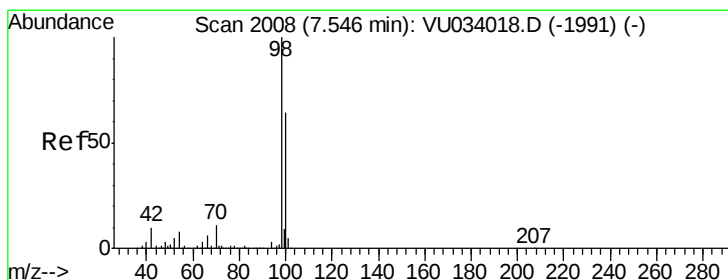
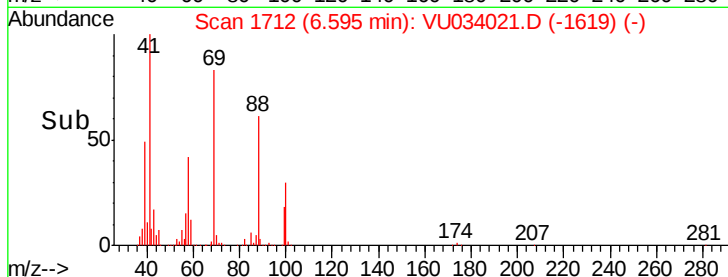
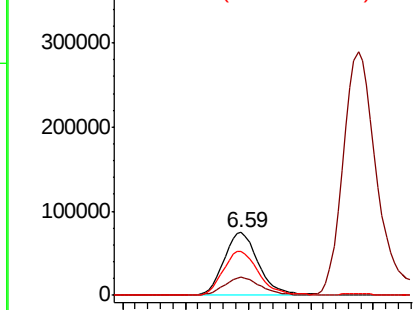
#49
1,4-Dioxane
Concen: 1014.051 ug/l
RT: 6.59 min Scan# 1712
Delta R.T. -0.00 min
Lab File: VU034021.D
Acq: 28 Aug 2019 14:01

Instrument :
MSVOA_U
ClientSampleId :
ICVVU082919

Tgt Ion: 88 Resp: 141418
Ion Ratio Lower Upper
88 100
43 29.5 24.8 37.2
58 73.2 59.3 88.9

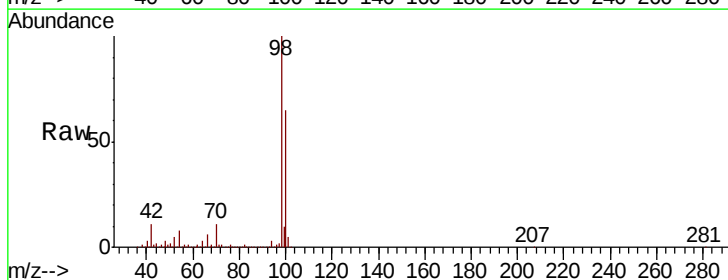


Abundance Ion 88.00 (87.70 to 88.70): VU0
Ion 43.00 (42.70 to 43.70): VU0
Ion 58.00 (57.70 to 58.70): VU0

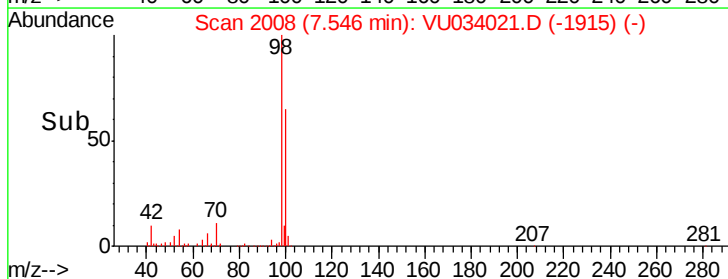
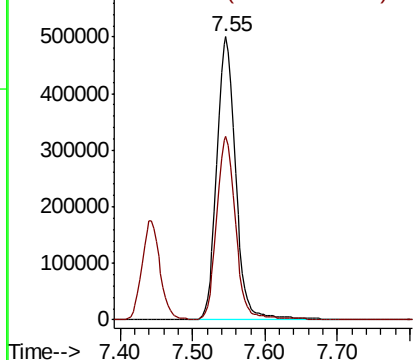


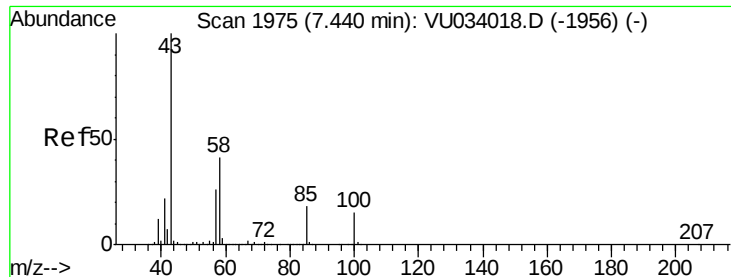
#50
Toluene-d8
Concen: 48.967 ug/l
RT: 7.55 min Scan# 2008
Delta R.T. -0.00 min
Lab File: VU034021.D
Acq: 28 Aug 2019 14:01

Tgt Ion: 98 Resp: 910271
Ion Ratio Lower Upper
98 100
100 64.1 50.3 75.5



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

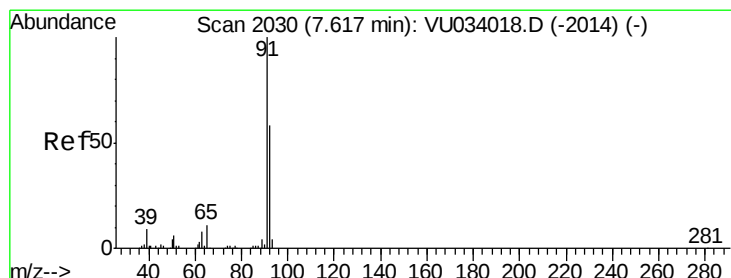
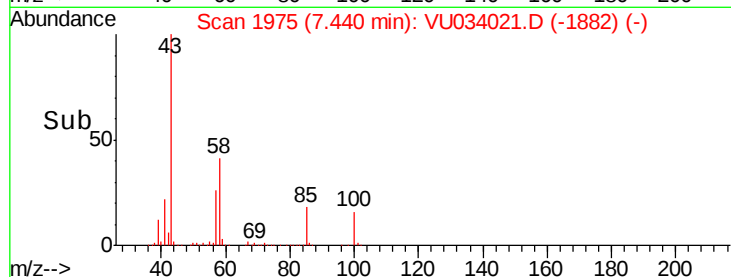
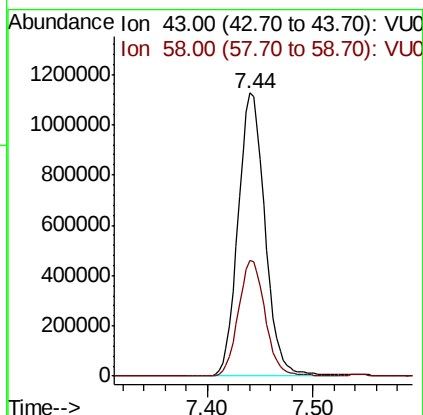
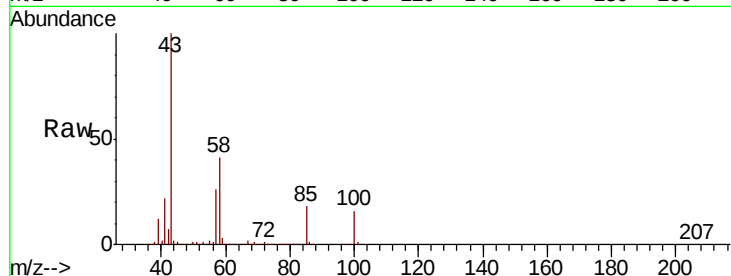




#51
 4-Methyl-2-Pentanone
 Concen: 249.859 ug/l
 RT: 7.44 min Scan# 1975
 Delta R.T. -0.00 min
 Lab File: VU034021.D
 Acq: 28 Aug 2019 14:01

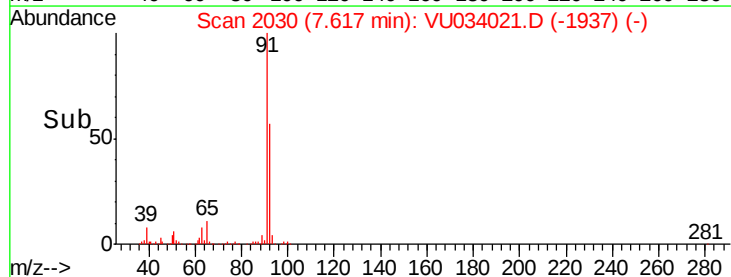
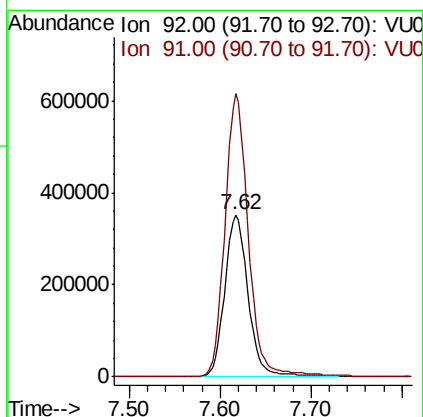
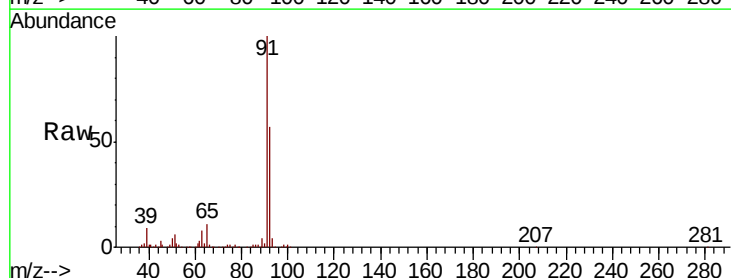
Instrument :
 MSVOA_U
 ClientSampleId :
 ICVVU082919

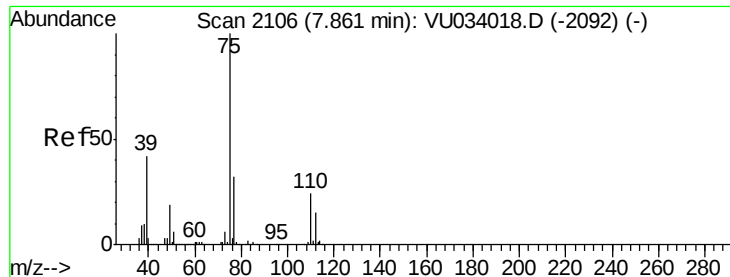
Tgt Ion: 43 Resp: 1990319
 Ion Ratio Lower Upper
 43 100
 58 40.9 32.2 48.4



#52
 Toluene
 Concen: 50.096 ug/l
 RT: 7.62 min Scan# 2030
 Delta R.T. -0.00 min
 Lab File: VU034021.D
 Acq: 28 Aug 2019 14:01

Tgt Ion: 92 Resp: 632151
 Ion Ratio Lower Upper
 92 100
 91 175.4 138.3 207.5

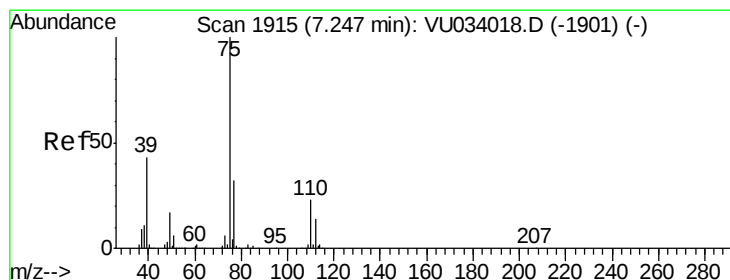
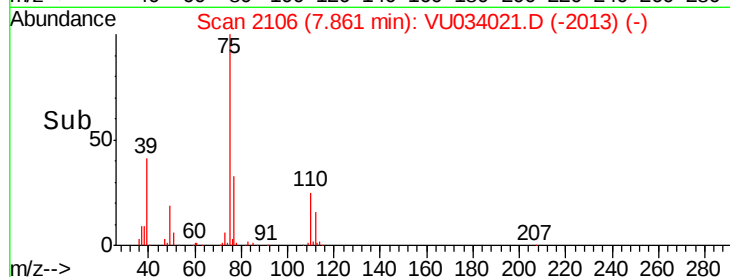
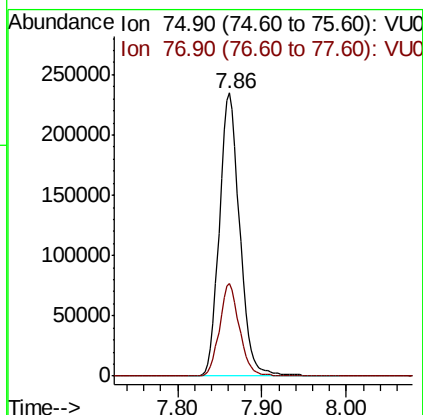
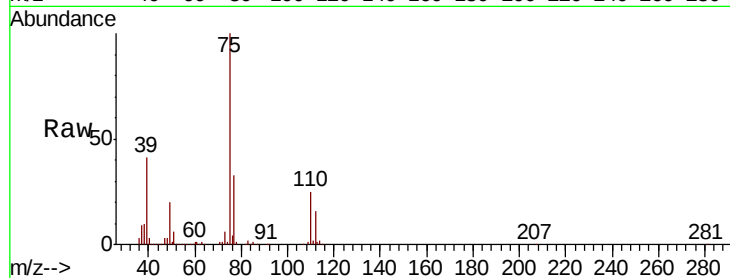




#53
t-1,3-Dichloropropene
Concen: 50.186 ug/l
RT: 7.86 min Scan# 2106
Delta R.T. -0.00 min
Lab File: VU034021.D
Acq: 28 Aug 2019 14:01

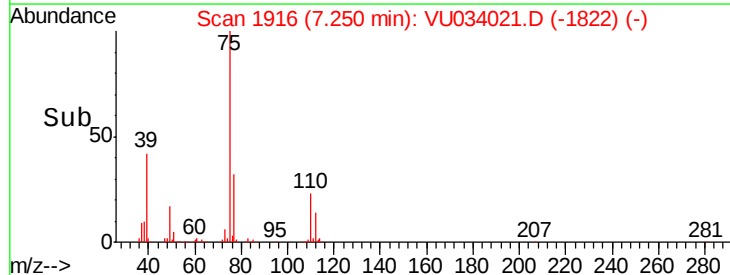
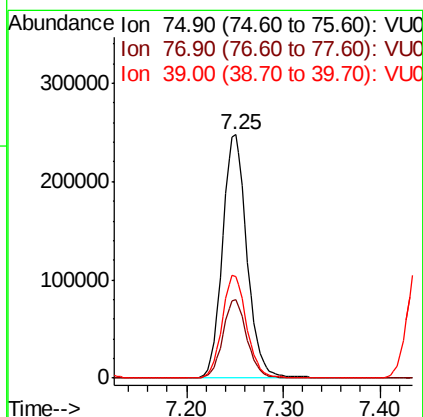
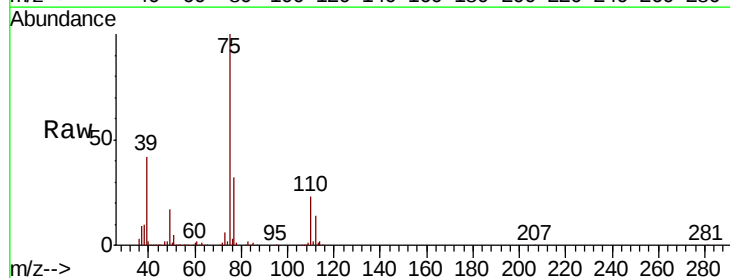
Instrument :
MSVOA_U
ClientSampleId :
ICVVU082919

Tgt Ion: 75 Resp: 395795
Ion Ratio Lower Upper
75 100
77 32.8 25.4 38.0



#54
cis-1,3-Dichloropropene
Concen: 50.543 ug/l
RT: 7.25 min Scan# 1916
Delta R.T. 0.00 min
Lab File: VU034021.D
Acq: 28 Aug 2019 14:01

Tgt Ion: 75 Resp: 435486
Ion Ratio Lower Upper
75 100
77 32.2 25.2 37.8
39 41.7 34.6 51.8





#55

1,1,2-Trichloroethane

Concen: 48.594 ug/l

RT: 8.05 min Scan# 2164

Delta R.T. -0.00 min

Lab File: VU034021.D

Acq: 28 Aug 2019 14:01

Instrument :

MSVOA_U

ClientSampleId :

ICVVU082919

Tgt Ion: 97 Resp: 259374

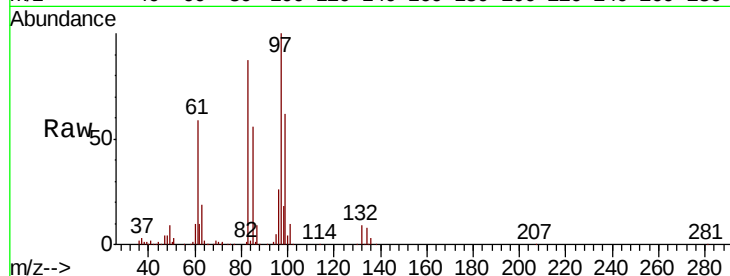
Ion Ratio Lower Upper

97 100

83 86.7 70.1 105.1

85 56.3 45.0 67.4

99 61.4 49.8 74.8

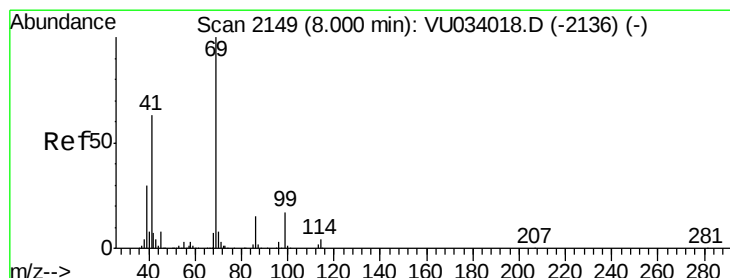
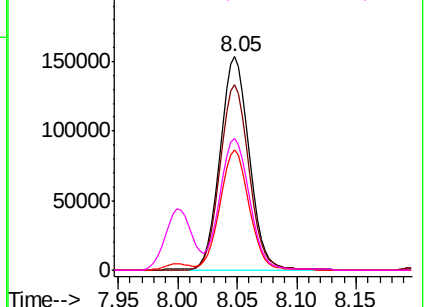
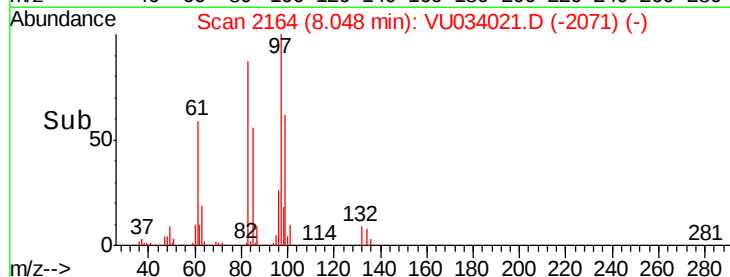


Abundance Ion 96.90 (96.60 to 97.60): VU0

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: 47.151 ug/l

RT: 8.00 min Scan# 2149

Delta R.T. 0.00 min

Lab File: VU034021.D

Acq: 28 Aug 2019 14:01

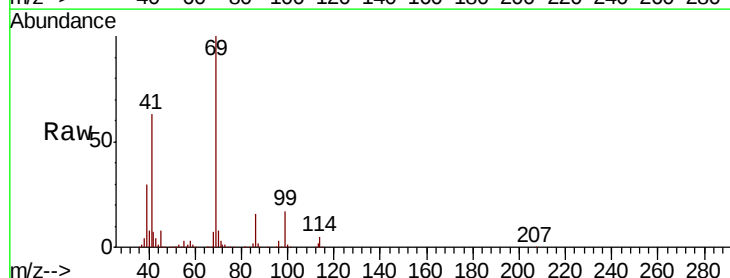
Tgt Ion: 69 Resp: 416962

Ion Ratio Lower Upper

69 100

41 62.9 50.7 76.1

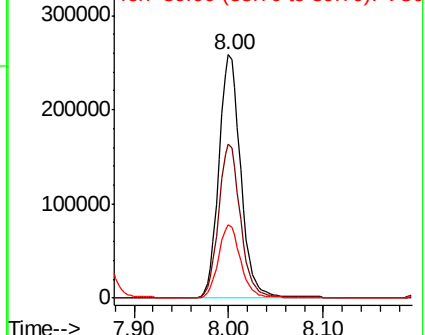
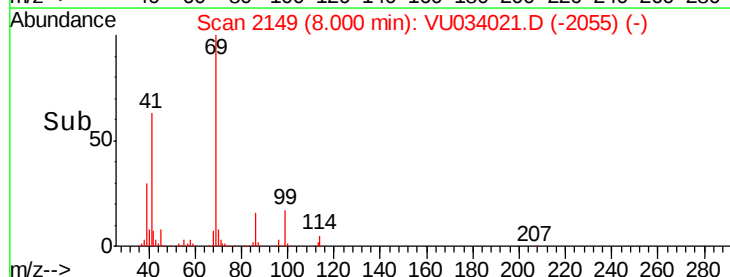
39 29.9 24.2 36.2

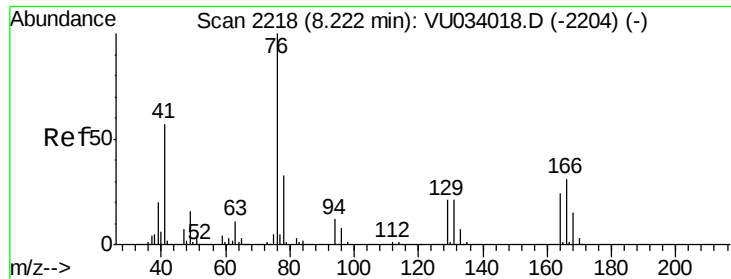


Abundance Ion 69.00 (68.70 to 69.70): VU0

Ion 41.00 (40.70 to 41.70): VU0

Ion 39.00 (38.70 to 39.70): VU0

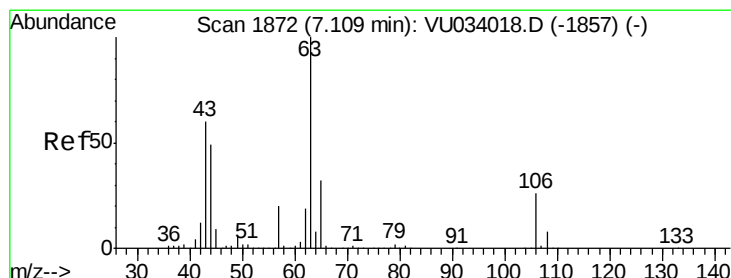
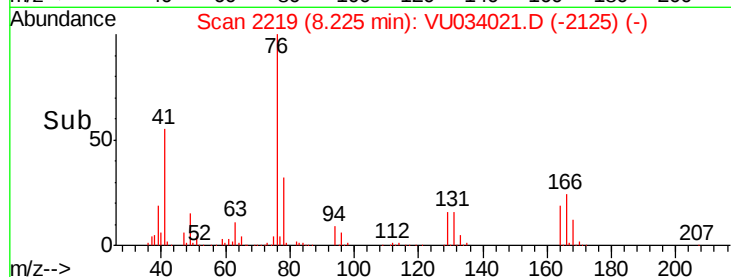
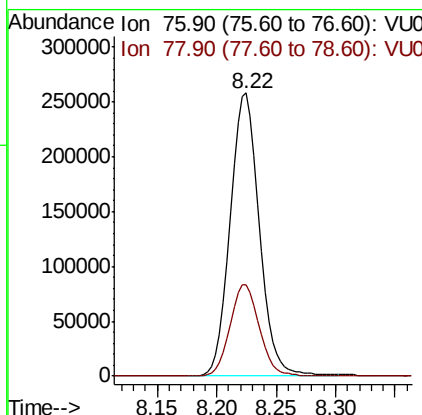
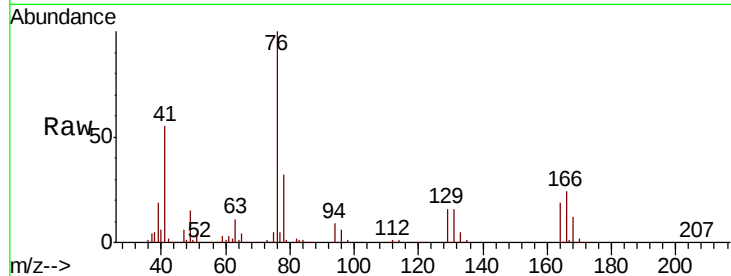




#57
 1,3-Dichloropropane
 Concen: 48.587 ug/l
 RT: 8.22 min Scan# 2219
 Delta R.T. 0.00 min
 Lab File: VU034021.D
 Acq: 28 Aug 2019 14:01

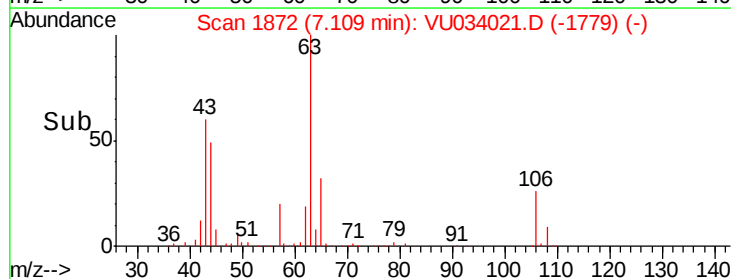
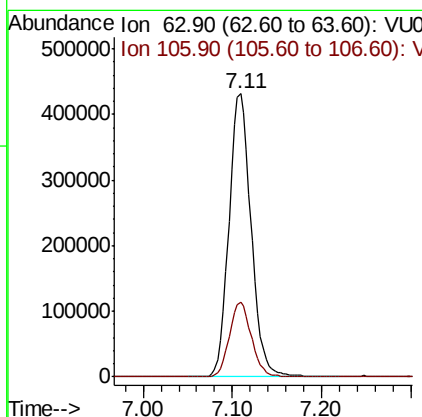
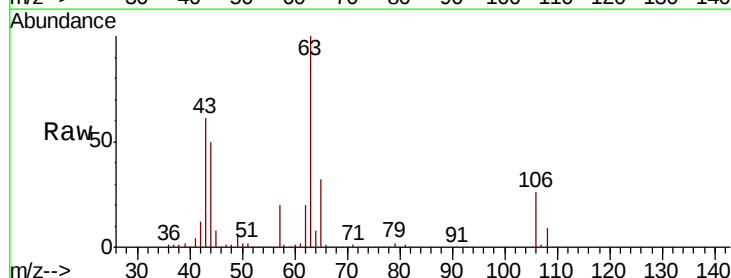
Instrument :
 MSVOA_U
 ClientSampleId :
 ICVVU082919

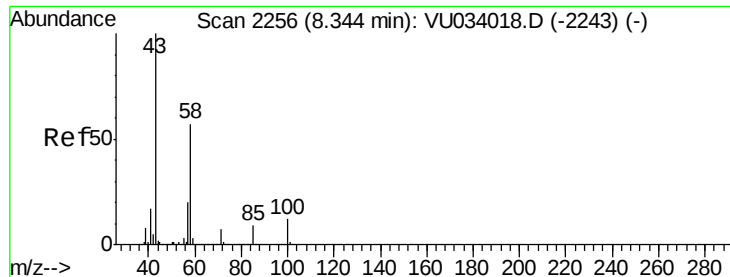
Tgt Ion: 76 Resp: 440345
 Ion Ratio Lower Upper
 76 100
 78 32.5 26.2 39.4



#58
 2-Chloroethyl Vinyl ether
 Concen: 251.692 ug/l
 RT: 7.11 min Scan# 1872
 Delta R.T. -0.00 min
 Lab File: VU034021.D
 Acq: 28 Aug 2019 14:01

Tgt Ion: 63 Resp: 743229
 Ion Ratio Lower Upper
 63 100
 106 26.3 20.7 31.1

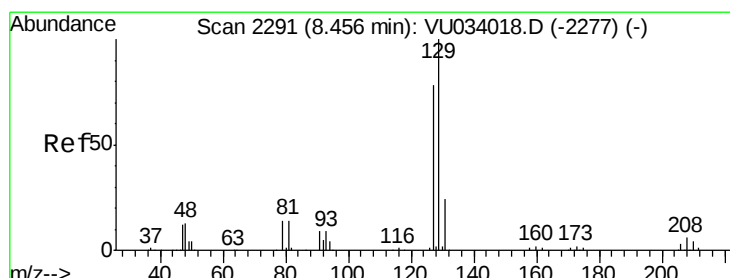
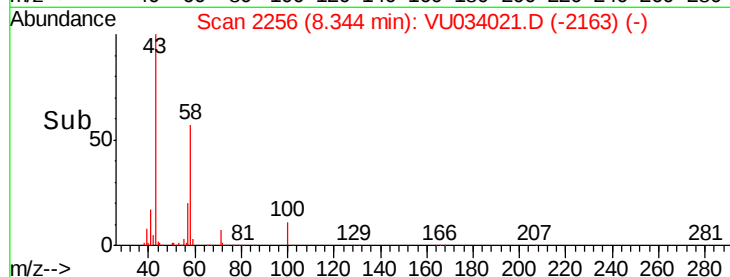
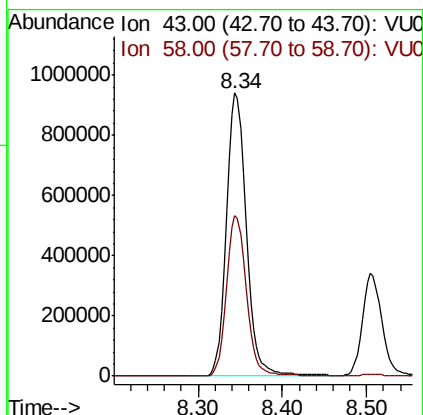
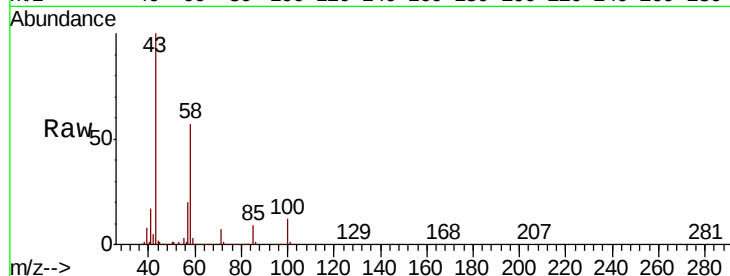




#59
2-Hexanone
Concen: 257.297 ug/l
RT: 8.34 min Scan# 2256
Delta R.T. -0.00 min
Lab File: VU034021.D
Acq: 28 Aug 2019 14:01

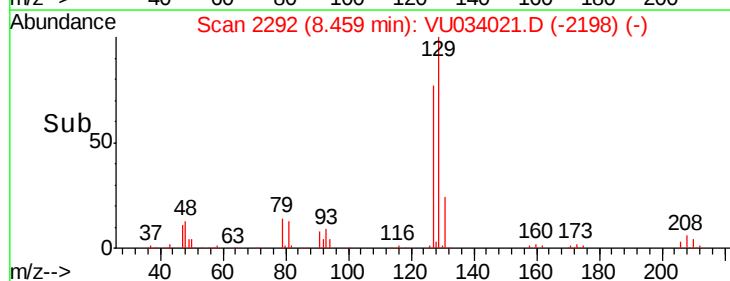
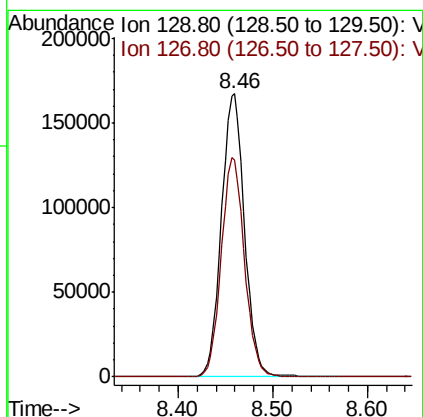
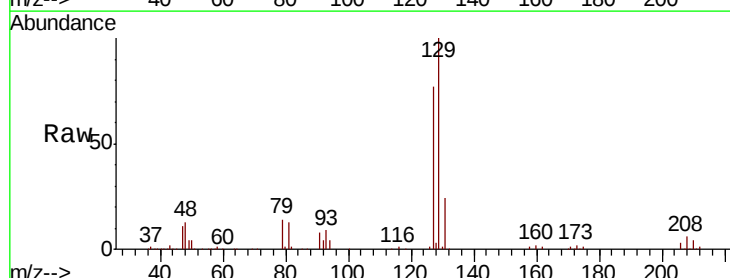
Instrument :
MSVOA_U
ClientSampleId :
ICVVU082919

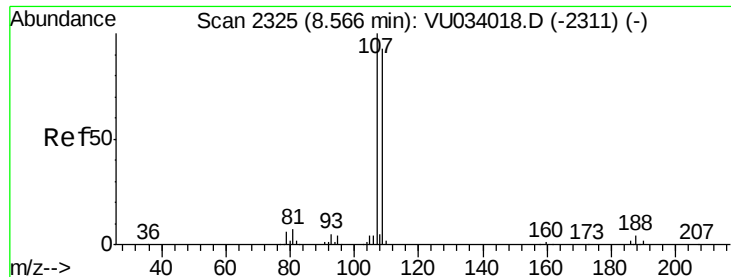
Tgt Ion: 43 Resp: 1547239
Ion Ratio Lower Upper
43 100
58 56.9 28.4 85.3



#60
Dibromochloromethane
Concen: 49.594 ug/l
RT: 8.46 min Scan# 2292
Delta R.T. 0.00 min
Lab File: VU034021.D
Acq: 28 Aug 2019 14:01

Tgt Ion: 129 Resp: 284152
Ion Ratio Lower Upper
129 100
127 77.6 39.0 116.9

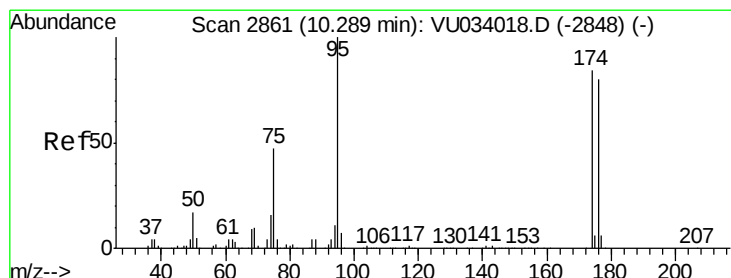
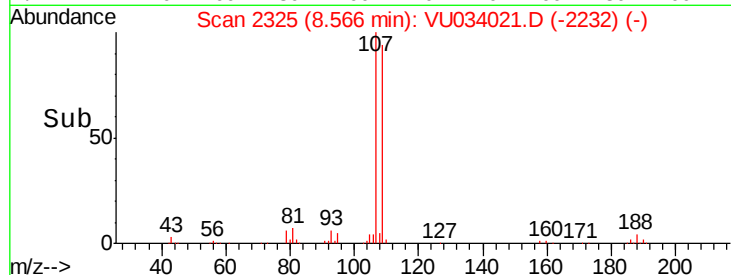
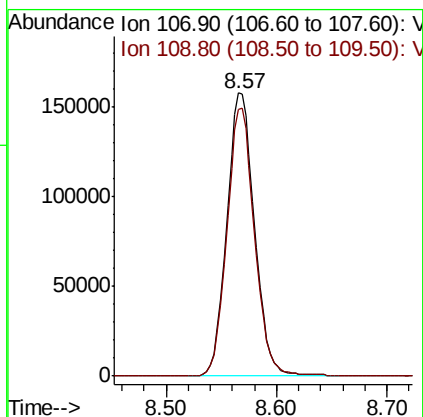
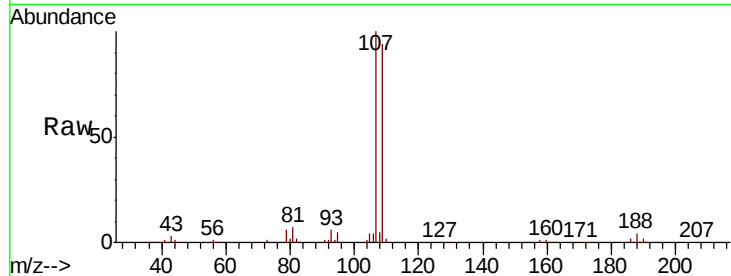




#61
 1,2-Dibromoethane
 Concen: 48.675 ug/l
 RT: 8.57 min Scan# 2325
 Delta R.T. -0.00 min
 Lab File: VU034021.D
 Acq: 28 Aug 2019 14:01

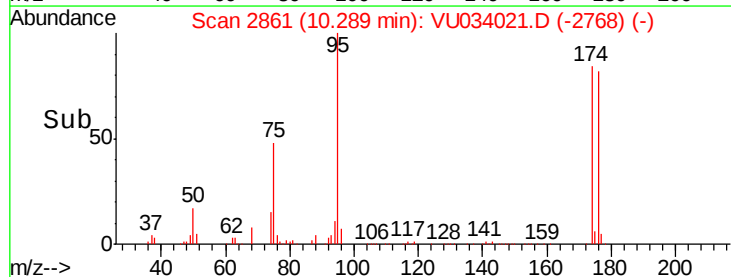
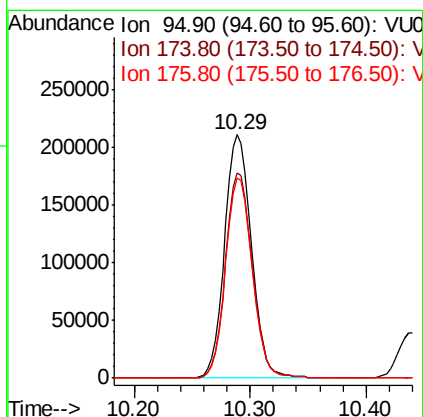
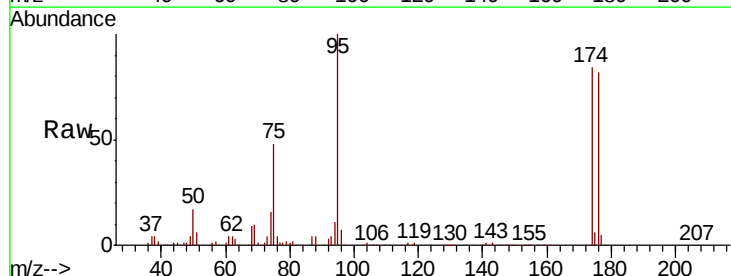
Instrument :
 MSVOA_U
 ClientSampleId :
 ICVVU082919

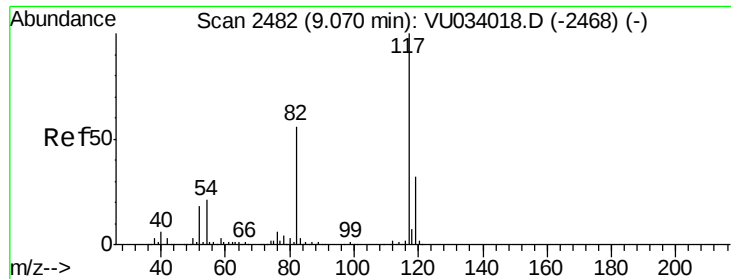
Tgt Ion: 107 Resp: 273686
 Ion Ratio Lower Upper
 107 100
 109 94.6 75.2 112.8



#62
 4-Bromofluorobenzene
 Concen: 47.002 ug/l
 RT: 10.29 min Scan# 2861
 Delta R.T. -0.00 min
 Lab File: VU034021.D
 Acq: 28 Aug 2019 14:01

Tgt Ion: 95 Resp: 339881
 Ion Ratio Lower Upper
 95 100
 174 84.5 0.0 168.8
 176 81.8 0.0 161.8

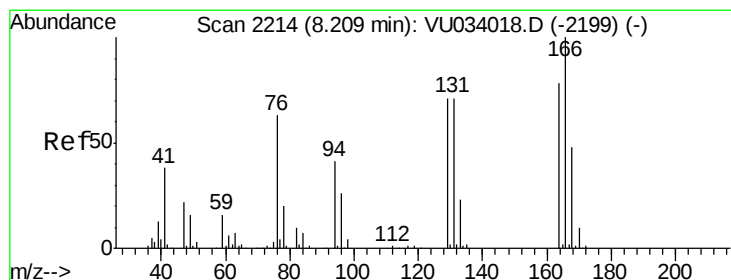
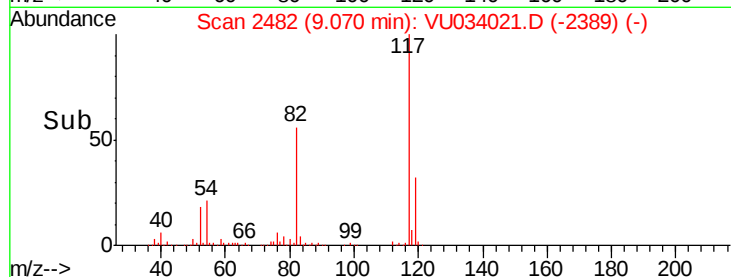
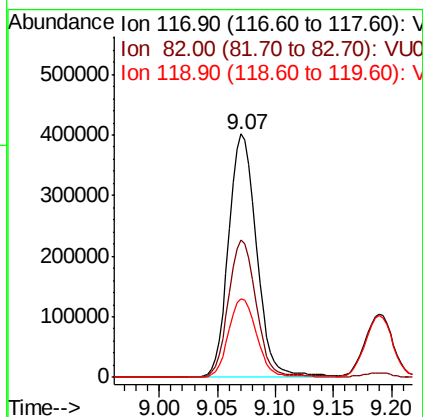
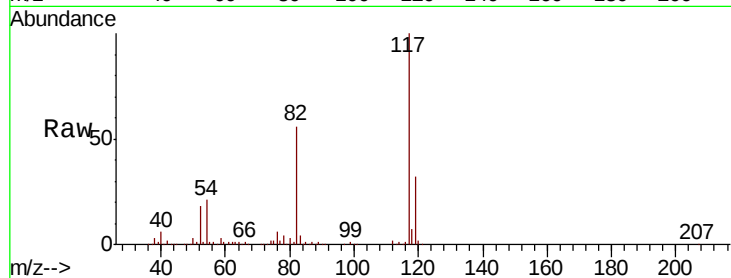




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.07 min Scan# 2482
Delta R.T. -0.00 min
Lab File: VU034021.D
Acq: 28 Aug 2019 14:01

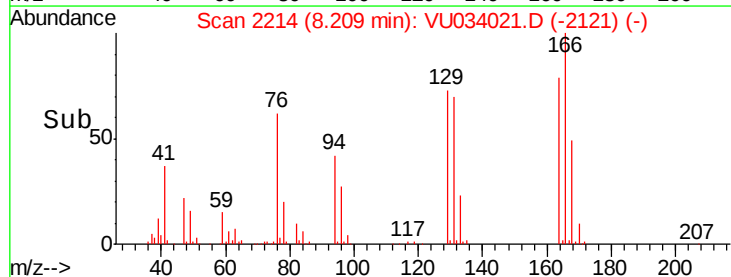
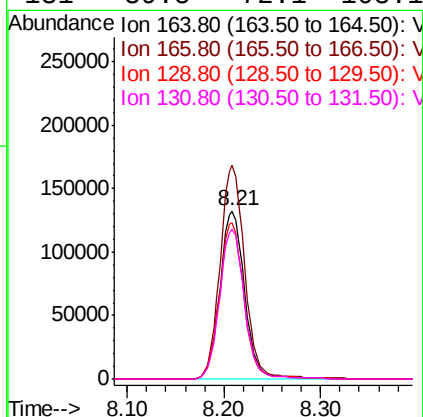
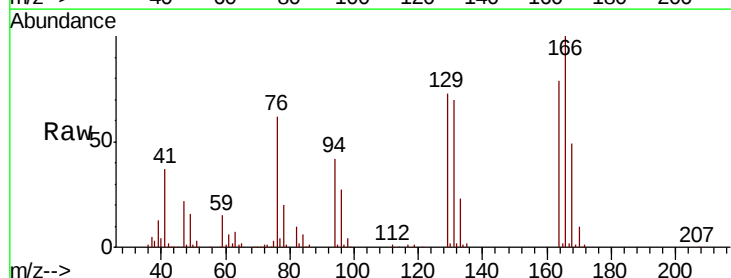
Instrument :
MSVOA_U
ClientSampleId :
ICVVU082919

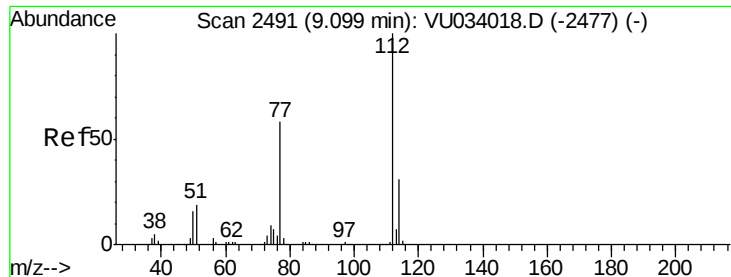
Tgt Ion:117 Resp: 674970
Ion Ratio Lower Upper
117 100
82 56.3 45.1 67.7
119 32.4 25.4 38.0



#64
Tetrachloroethene
Concen: 51.976 ug/l
RT: 8.21 min Scan# 2214
Delta R.T. -0.00 min
Lab File: VU034021.D
Acq: 28 Aug 2019 14:01

Tgt Ion:164 Resp: 235601
Ion Ratio Lower Upper
164 100
166 127.3 102.2 153.2
129 93.2 72.4 108.6
131 89.5 72.1 108.1

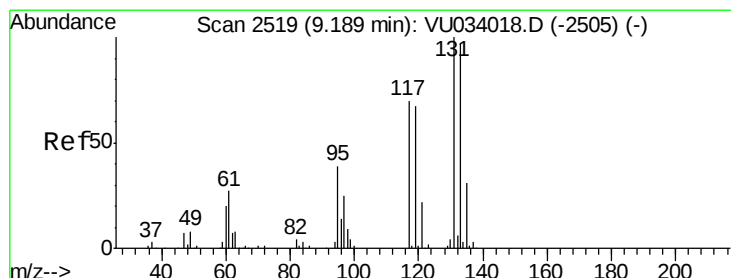
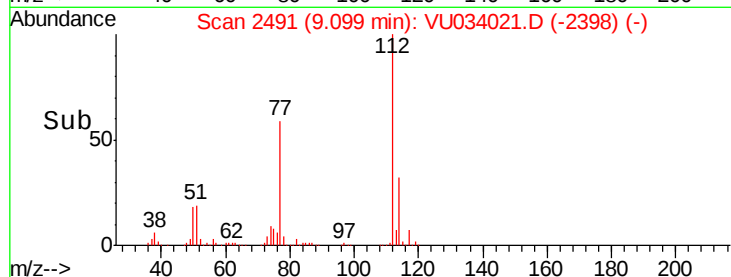
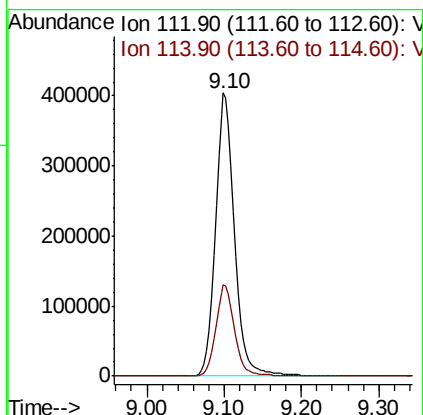
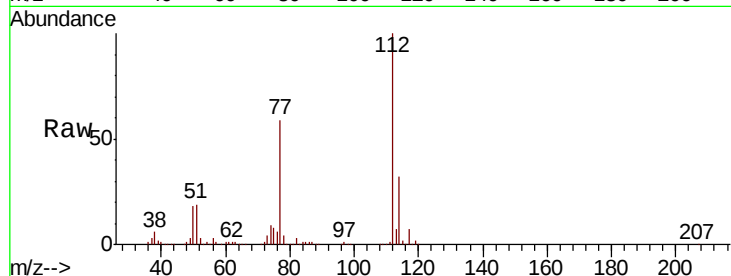




#65
Chlorobenzene
Concen: 50.500 ug/l
RT: 9.10 min Scan# 2491
Delta R.T. -0.00 min
Lab File: VU034021.D
Acq: 28 Aug 2019 14:01

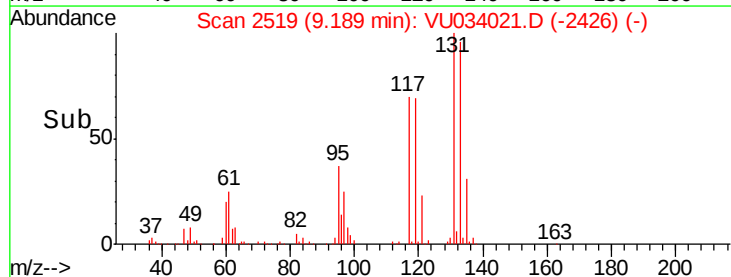
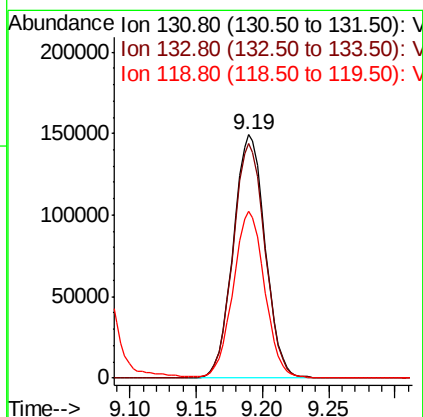
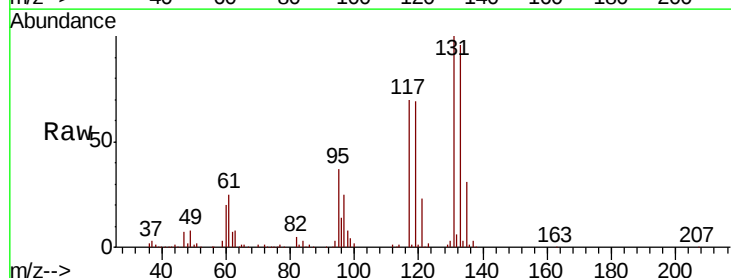
Instrument :
MSVOA_U
ClientSampleId :
ICVVU082919

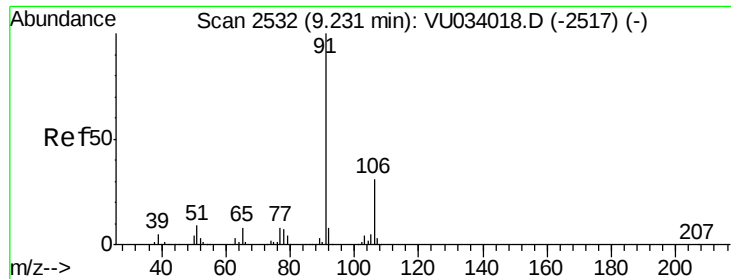
Tgt Ion:112 Resp: 701449
Ion Ratio Lower Upper
112 100
114 32.1 25.0 37.4



#66
1,1,1,2-Tetrachloroethane
Concen: 49.748 ug/l
RT: 9.19 min Scan# 2519
Delta R.T. -0.00 min
Lab File: VU034021.D
Acq: 28 Aug 2019 14:01

Tgt Ion:131 Resp: 250569
Ion Ratio Lower Upper
131 100
133 96.6 48.4 145.2
119 67.5 33.6 100.6

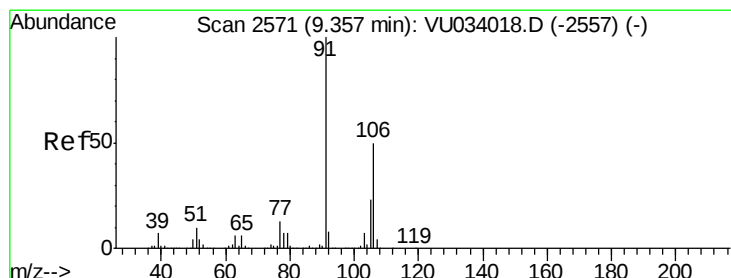
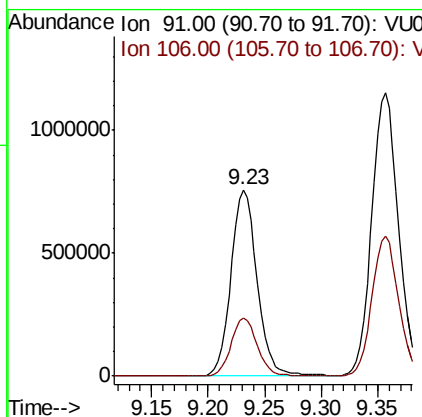
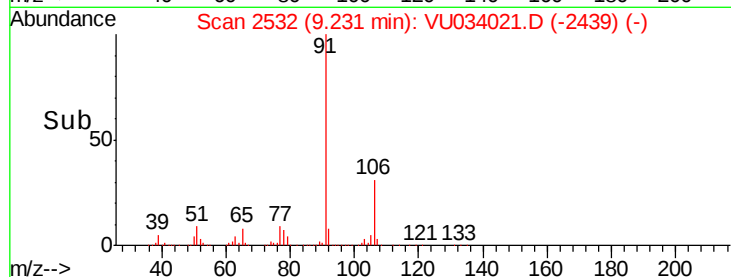
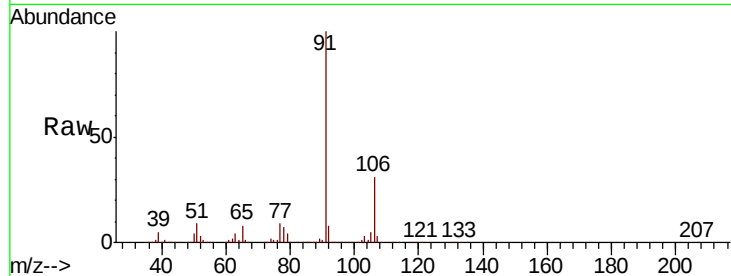




#67
Ethyl Benzene
Concen: 52.085 ug/l
RT: 9.23 min Scan# 2532
Delta R.T. -0.00 min
Lab File: VU034021.D
Acq: 28 Aug 2019 14:01

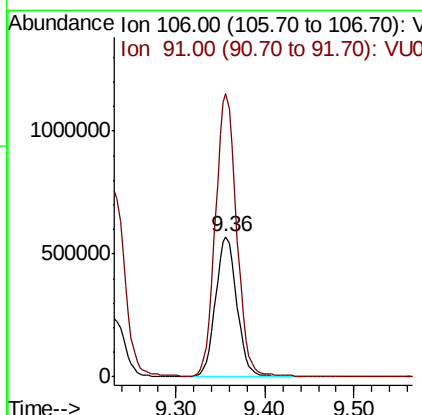
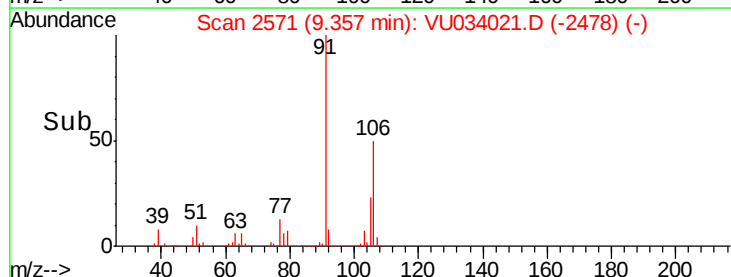
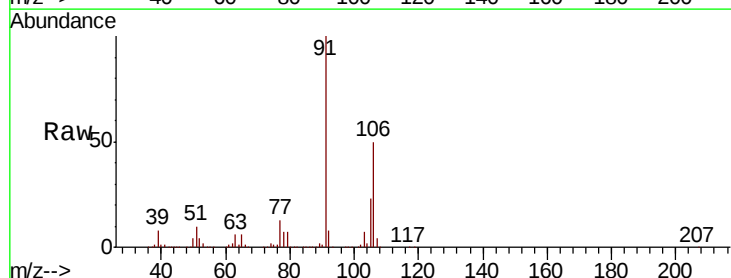
Instrument :
MSVOA_U
ClientSampleId :
ICVVU082919

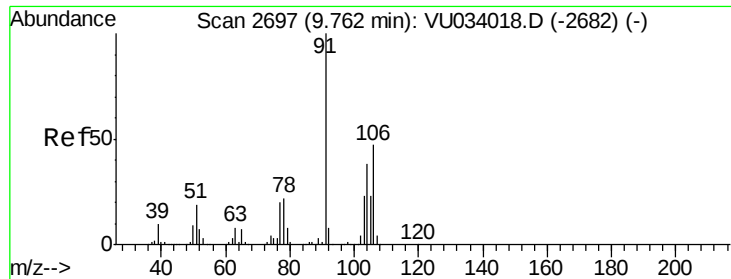
Tgt Ion: 91 Resp: 1226391
Ion Ratio Lower Upper
91 100
106 31.2 24.9 37.3



#68
m/p-Xylenes
Concen: 105.547 ug/l
RT: 9.36 min Scan# 2571
Delta R.T. -0.00 min
Lab File: VU034021.D
Acq: 28 Aug 2019 14:01

Tgt Ion: 106 Resp: 944968
Ion Ratio Lower Upper
106 100
91 201.9 161.6 242.4

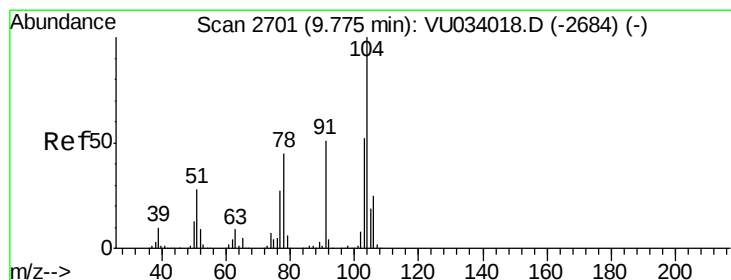
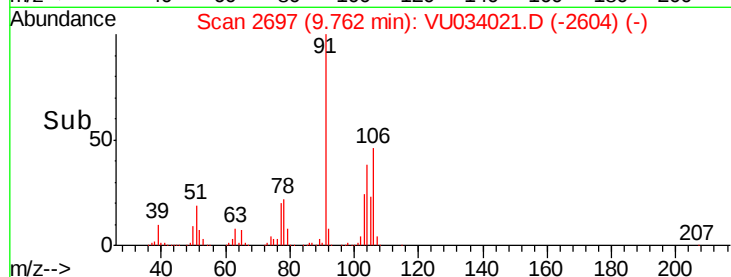
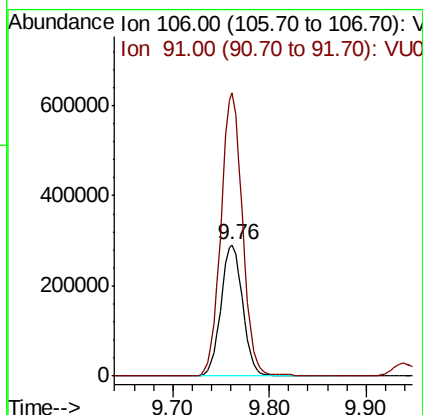
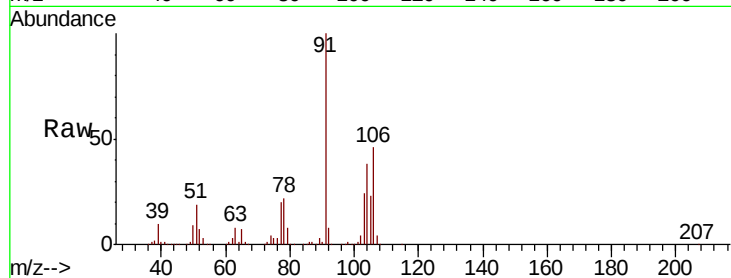




#69
o-Xylene
Concen: 52.924 ug/l
RT: 9.76 min Scan# 2697
Delta R.T. -0.00 min
Lab File: VU034021.D
Acq: 28 Aug 2019 14:01

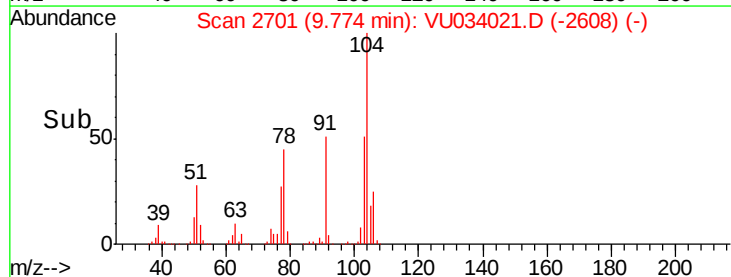
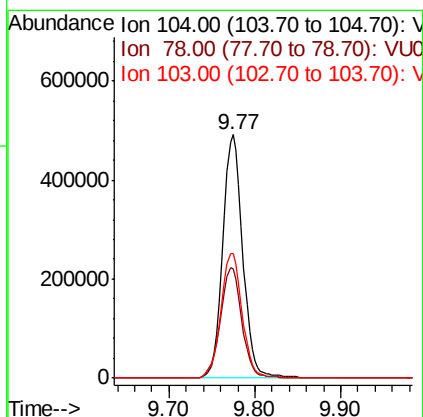
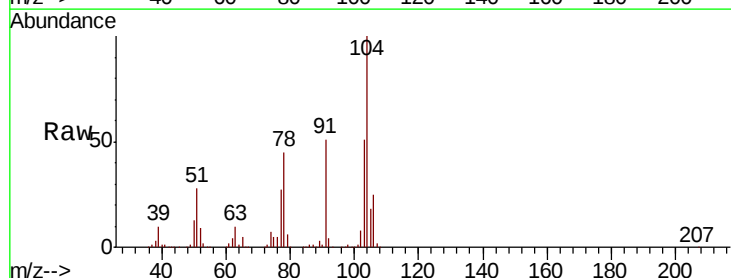
Instrument :
MSVOA_U
ClientSampleId :
ICVVU082919

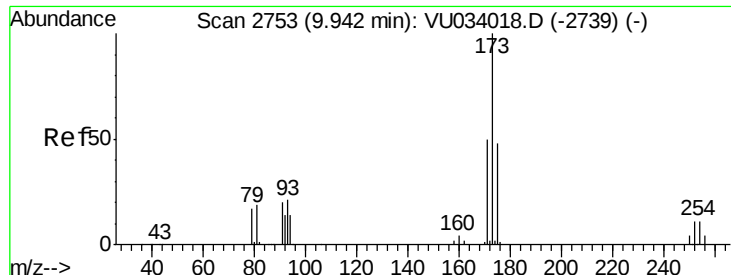
Tgt Ion:106 Resp: 454588
Ion Ratio Lower Upper
106 100
91 213.4 106.0 318.0



#70
Styrene
Concen: 53.982 ug/l
RT: 9.77 min Scan# 2701
Delta R.T. -0.00 min
Lab File: VU034021.D
Acq: 28 Aug 2019 14:01

Tgt Ion:104 Resp: 795024
Ion Ratio Lower Upper
104 100
78 48.8 39.0 58.4
103 55.0 44.0 66.0





#71

Bromoform

Concen: 50.784 ug/l

RT: 9.94 min Scan# 2752

Delta R.T. -0.00 min

Lab File: VU034021.D

Acq: 28 Aug 2019 14:01

Instrument :

MSVOA_U

ClientSampleId :

ICVVU082919

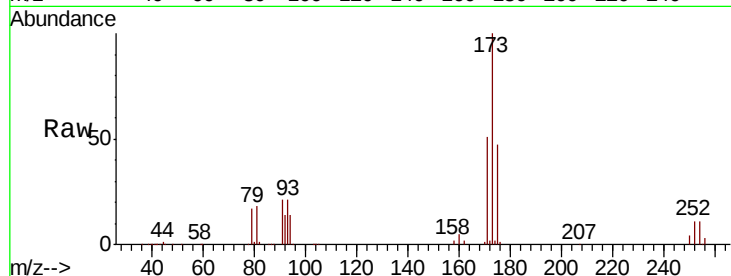
Tgt Ion:173 Resp: 222238

Ion Ratio Lower Upper

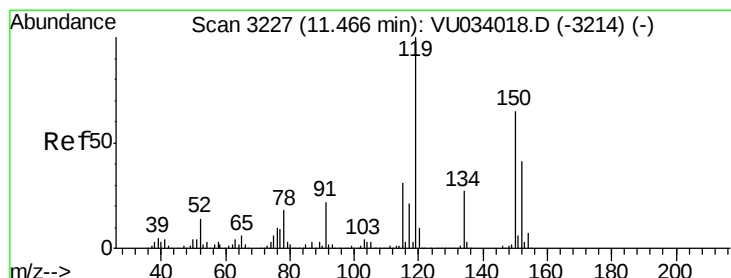
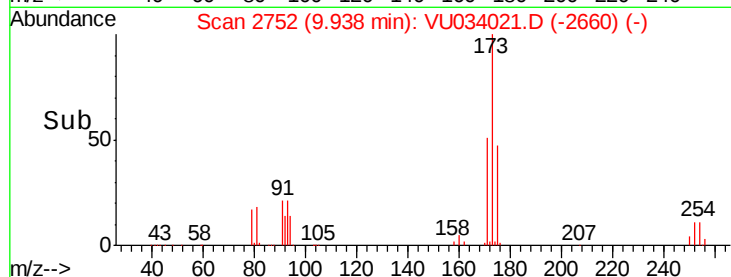
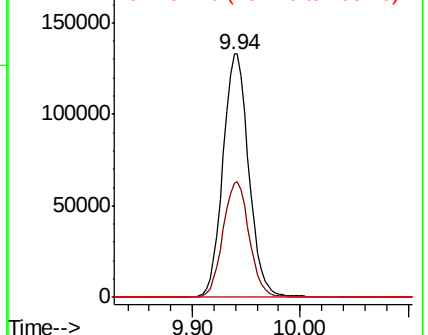
173 100

175 48.4 24.6 73.6

254 0.1 0.0 0.0#



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 11.47 min Scan# 3227

Delta R.T. -0.00 min

Lab File: VU034021.D

Acq: 28 Aug 2019 14:01

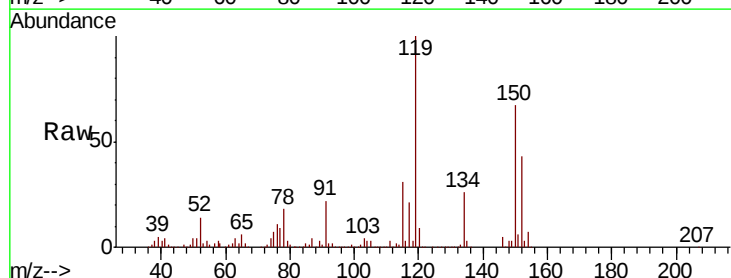
Tgt Ion:152 Resp: 350656

Ion Ratio Lower Upper

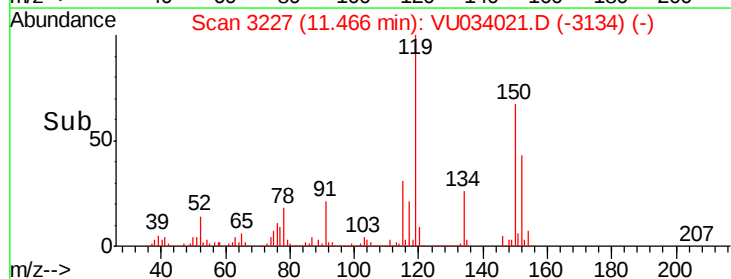
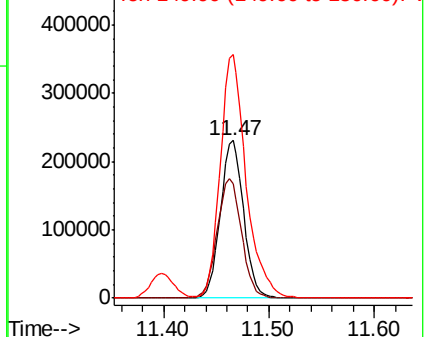
152 100

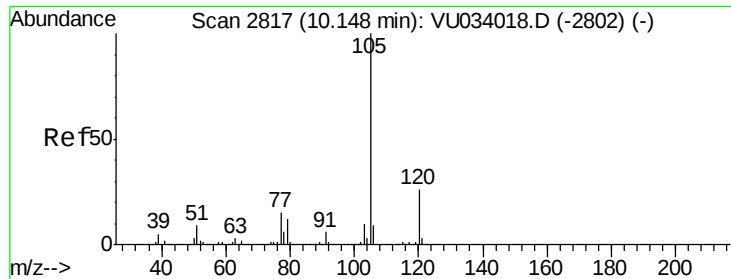
115 79.3 41.1 123.3

150 172.1 0.0 348.8



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





#73

Isopropylbenzene

Concen: 52.296 ug/l

RT: 10.15 min Scan# 2817

Delta R.T. -0.00 min

Lab File: VU034021.D

Acq: 28 Aug 2019 14:01

Instrument :

MSVOA_U

ClientSampleId :

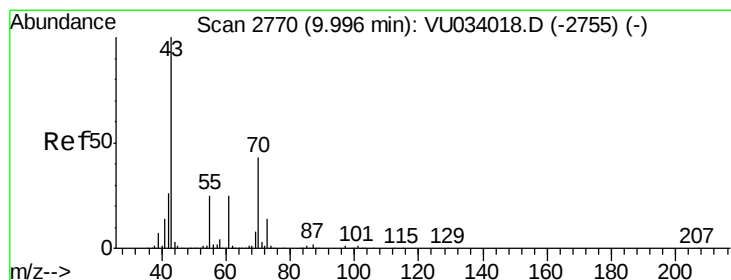
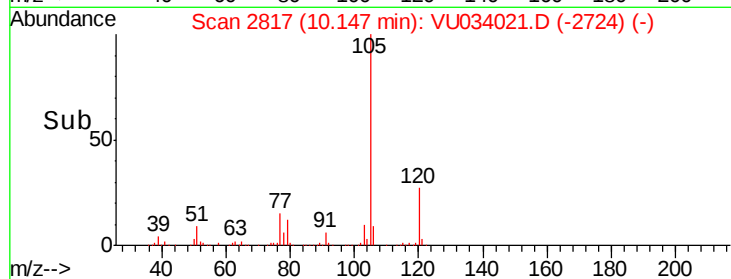
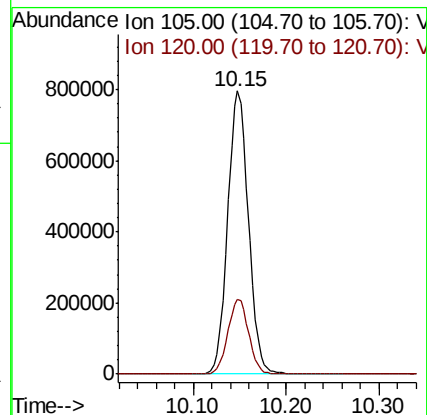
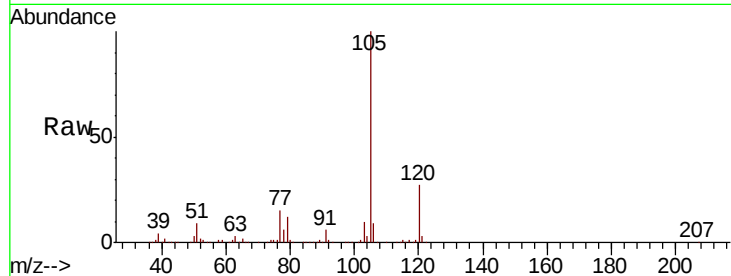
ICVVU082919

Tgt Ion: 105 Resp: 1231753

Ion Ratio Lower Upper

105 100

120 26.6 13.3 39.8



#74

N-ethyl acetate

Concen: 54.776 ug/l

RT: 10.00 min Scan# 2770

Delta R.T. -0.00 min

Lab File: VU034021.D

Acq: 28 Aug 2019 14:01

Tgt Ion: 43 Resp: 542629

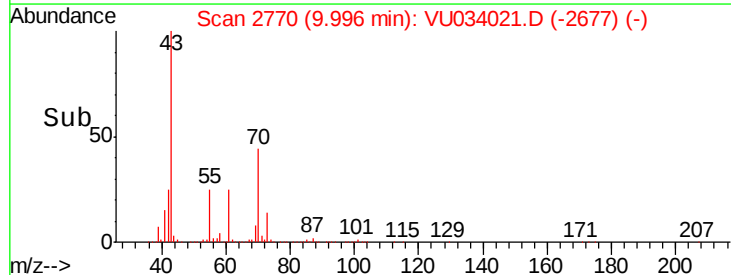
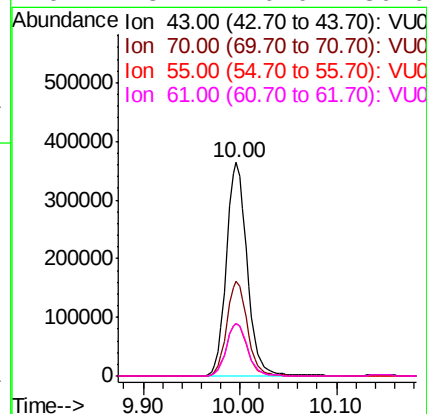
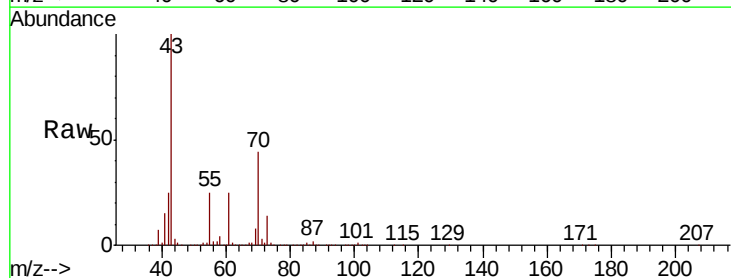
Ion Ratio Lower Upper

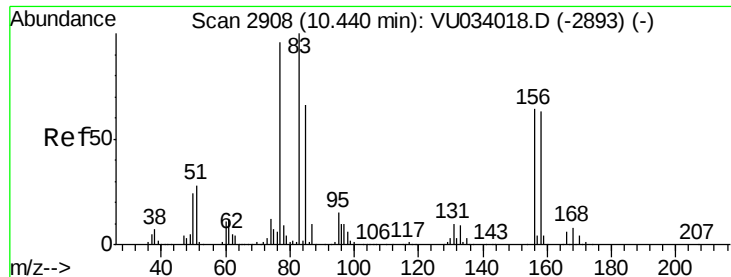
43 100

70 44.1 35.2 52.8

55 25.1 20.5 30.7

61 25.2 20.0 30.0





#75

1,1,2,2-Tetrachloroethane

Concen: 47.975 ug/l

RT: 10.44 min Scan# 2908

Delta R.T. -0.00 min

Lab File: VU034021.D

Acq: 28 Aug 2019 14:01

Instrument :

MSVOA_U

ClientSampleId :

ICVVU082919

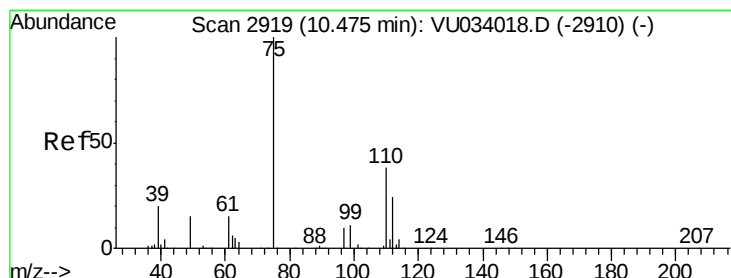
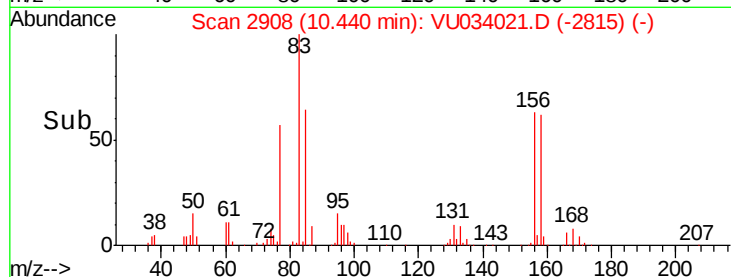
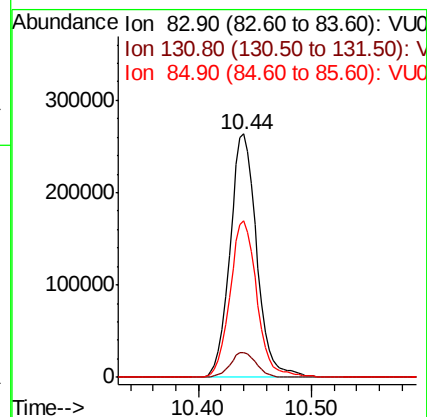
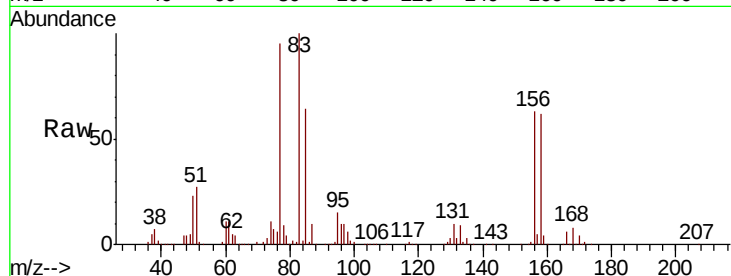
Tgt Ion: 83 Resp: 432494

Ion Ratio Lower Upper

83 100

131 10.0 5.0 14.9

85 65.0 32.2 96.6



#76

1,2,3-Trichloropropane

Concen: 61.680 ug/l

RT: 10.48 min Scan# 2919

Delta R.T. -0.00 min

Lab File: VU034021.D

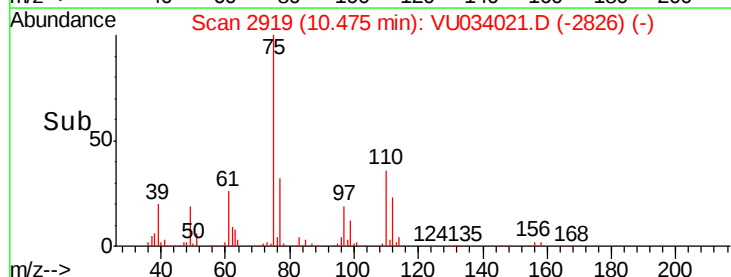
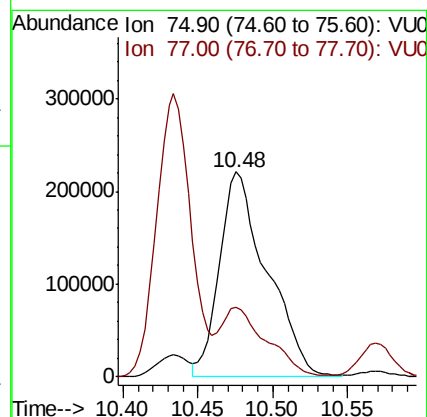
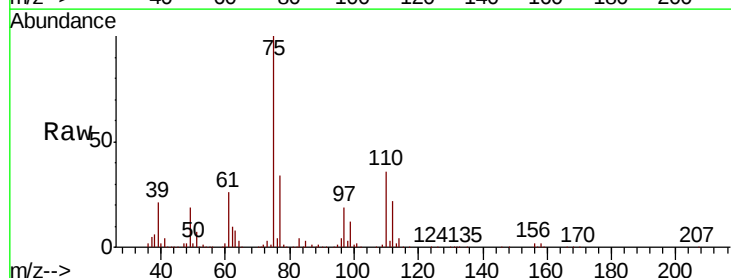
Acq: 28 Aug 2019 14:01

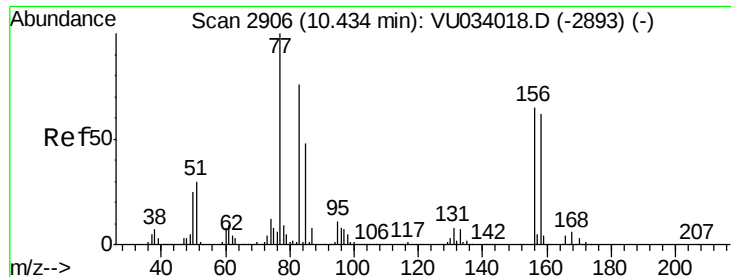
Tgt Ion: 75 Resp: 487467

Ion Ratio Lower Upper

75 100

77 33.0 20.1 60.2





#77

Bromobenzene

Concen: 49.981 ug/l

RT: 10.43 min Scan# 2906

Delta R.T. -0.00 min

Lab File: VU034021.D

Acq: 28 Aug 2019 14:01

Instrument :

MSVOA_U

ClientSampleId :

ICVVU082919

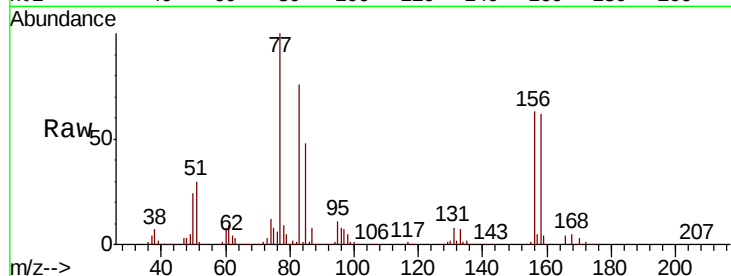
Tgt Ion:156 Resp: 316675

Ion Ratio Lower Upper

156 100

77 154.4 76.8 230.5

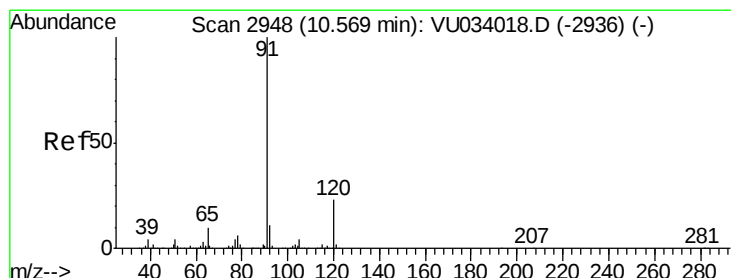
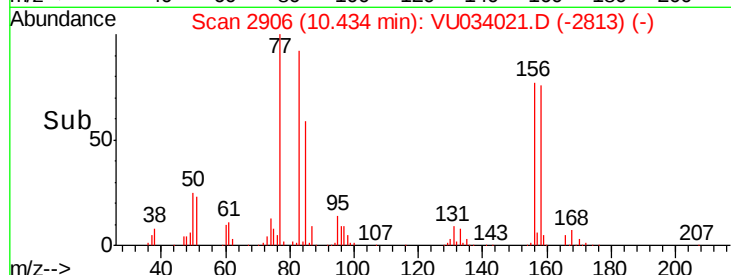
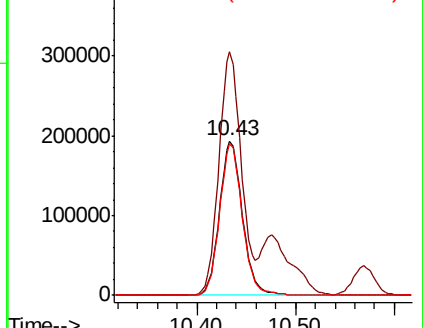
158 97.4 48.4 145.0



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: 52.345 ug/l

RT: 10.57 min Scan# 2948

Delta R.T. -0.00 min

Lab File: VU034021.D

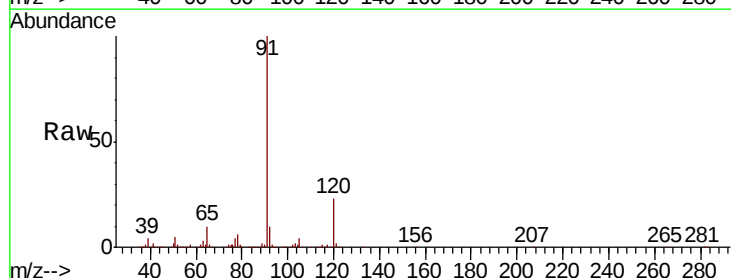
Acq: 28 Aug 2019 14:01

Tgt Ion: 91 Resp: 1435830

Ion Ratio Lower Upper

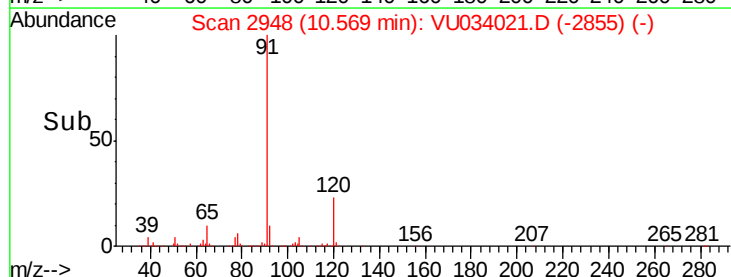
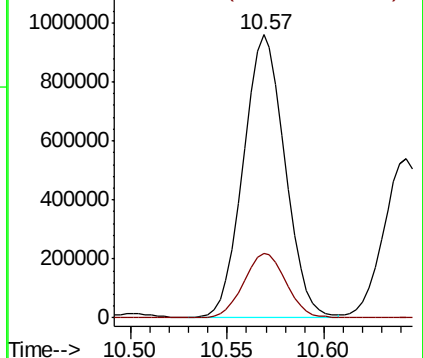
91 100

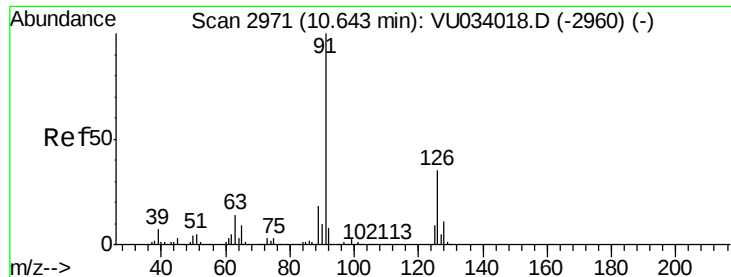
120 23.2 11.7 35.0



Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 51.263 ug/l

RT: 10.64 min Scan# 2971

Delta R.T. -0.00 min

Lab File: VU034021.D

Acq: 28 Aug 2019 14:01

Instrument :

MSVOA_U

ClientSampleId :

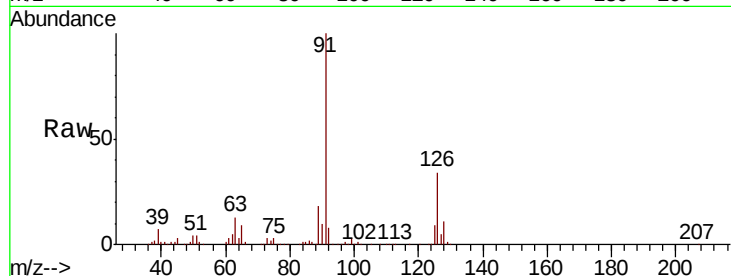
ICVVU082919

Tgt Ion: 91 Resp: 843421

Ion Ratio Lower Upper

91 100

126 34.2 17.1 51.2



Abundance Ion 91.00 (90.70 to 91.70): VU034021.D (-2960) (-)

Ion 125.90 (125.60 to 126.60): VU034021.D (-2960) (-)

1000000

800000

600000

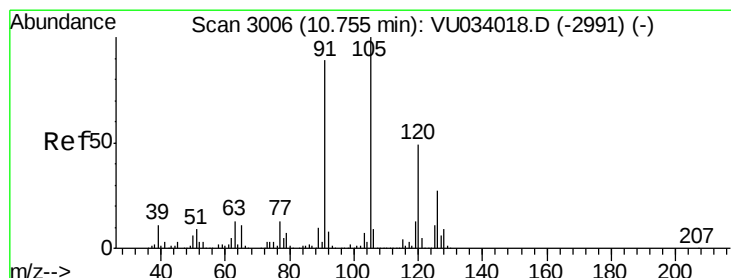
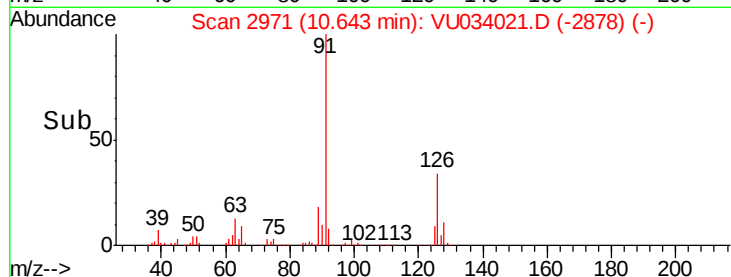
400000

200000

0

10.60 10.65 10.70

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 53.542 ug/l

RT: 10.75 min Scan# 3005

Delta R.T. -0.00 min

Lab File: VU034021.D

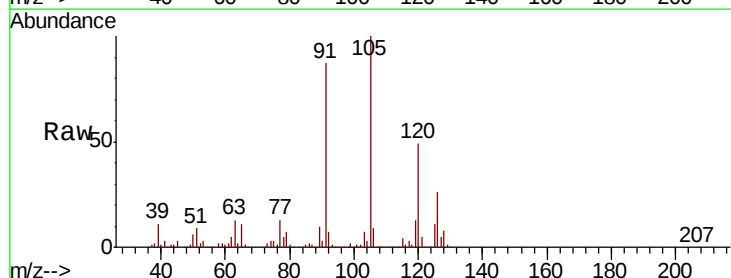
Acq: 28 Aug 2019 14:01

Tgt Ion: 105 Resp: 1068854

Ion Ratio Lower Upper

105 100

120 48.7 24.6 73.6



Abundance Ion 105.00 (104.70 to 105.70): VU034021.D (-2991) (-)

Ion 120.00 (119.70 to 120.70): VU034021.D (-2991) (-)

800000

600000

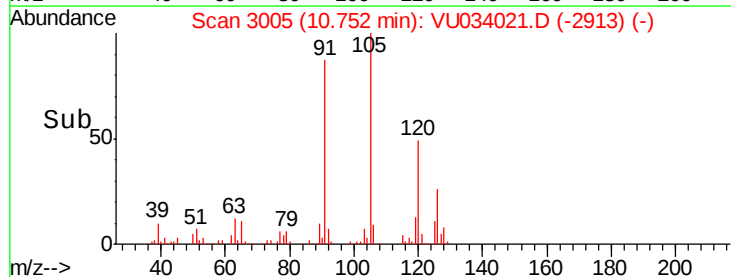
400000

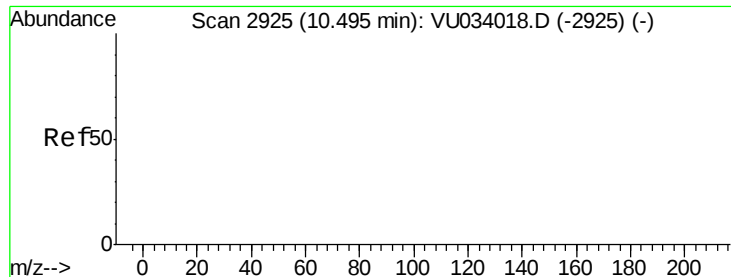
200000

0

10.70 10.80

Time-->

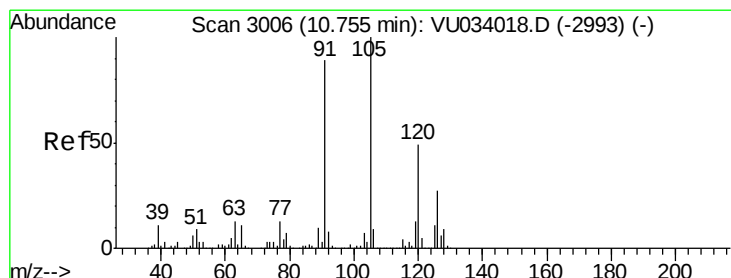
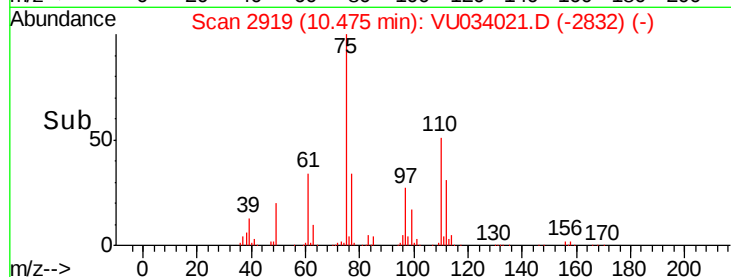
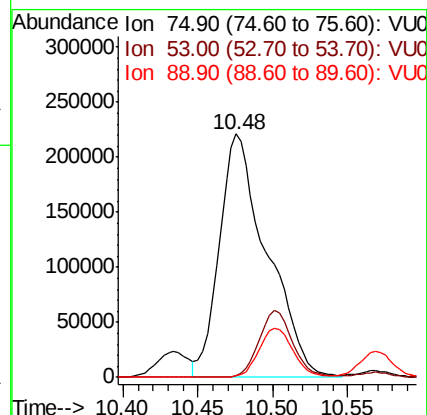
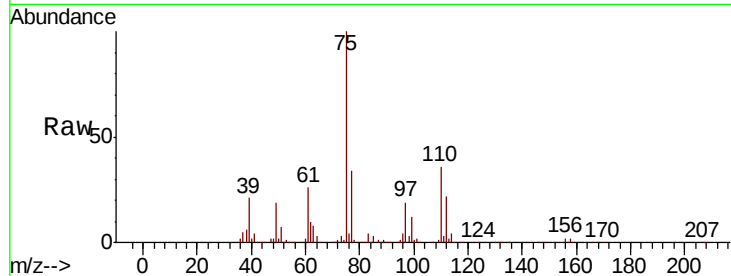




#81
trans-1,4-Dichloro-2-butene
Concen: 207.691 ug/l
RT: 10.48 min Scan# 2919
Delta R.T. -0.02 min
Lab File: VU034021.D
Acq: 28 Aug 2019 14:01

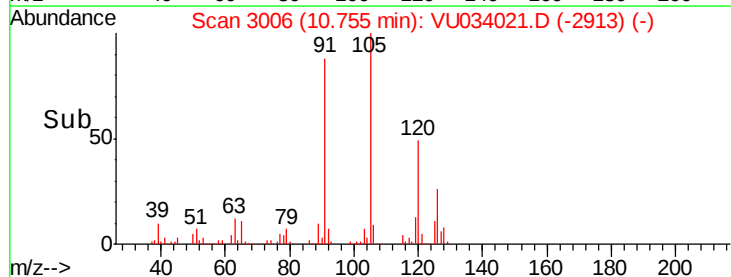
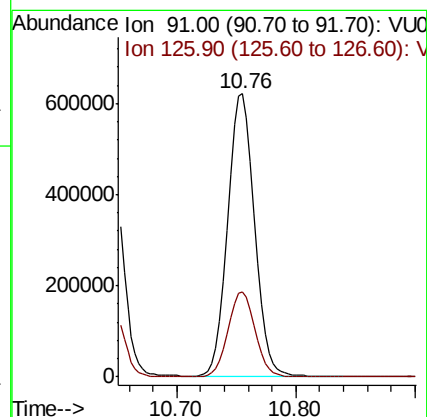
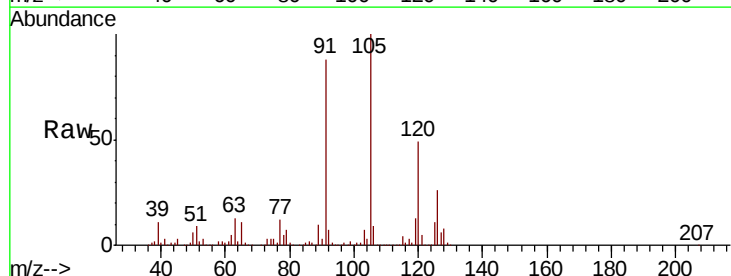
Instrument :
MSVOA_U
ClientSampleId :
ICVVU082919

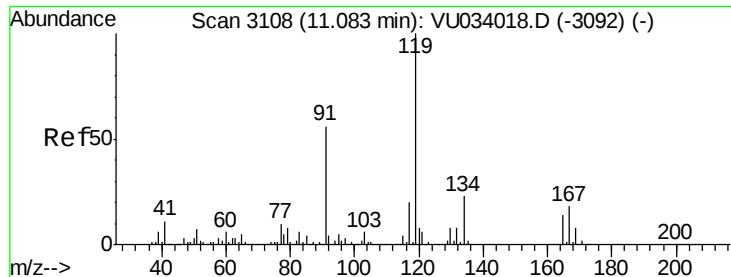
Tgt Ion: 75 Resp: 487467
Ion Ratio Lower Upper
75 100
53 0.0 0.0 0.0
89 0.0 0.0 0.0



#82
4-Chlorotoluene
Concen: 51.157 ug/l
RT: 10.76 min Scan# 3006
Delta R.T. -0.00 min
Lab File: VU034021.D
Acq: 28 Aug 2019 14:01

Tgt Ion: 91 Resp: 967993
Ion Ratio Lower Upper
91 100
126 30.4 15.0 45.1

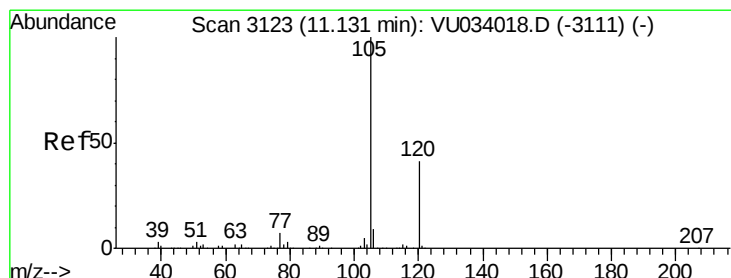
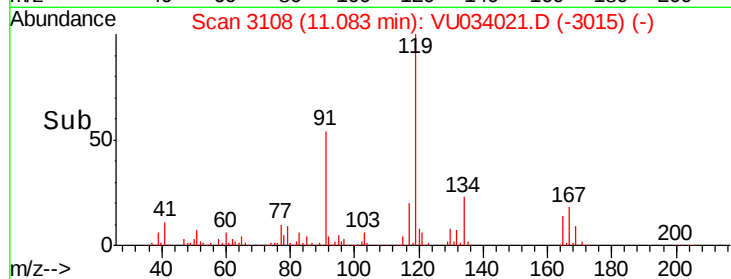
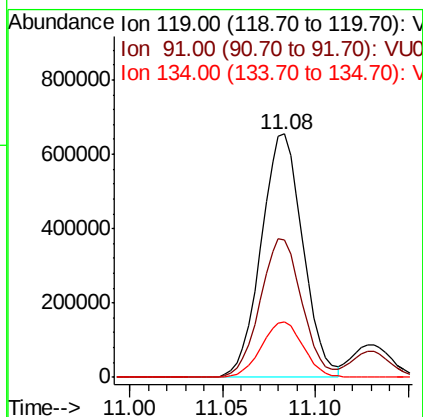
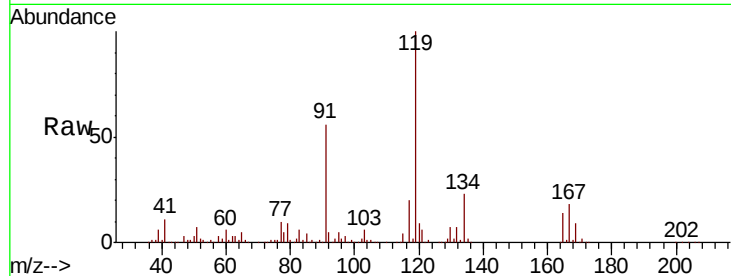




#83
 tert-Butylbenzene
 Concen: 52.015 ug/l
 RT: 11.08 min Scan# 3108
 Delta R.T. -0.00 min
 Lab File: VU034021.D
 Acq: 28 Aug 2019 14:01

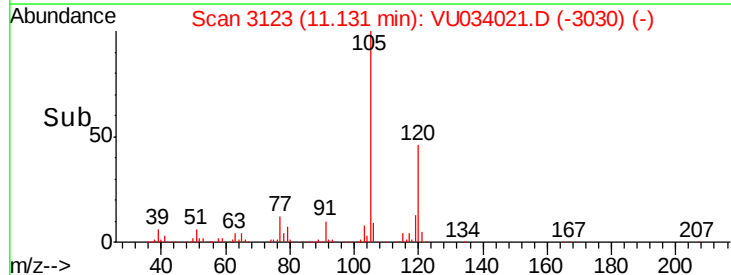
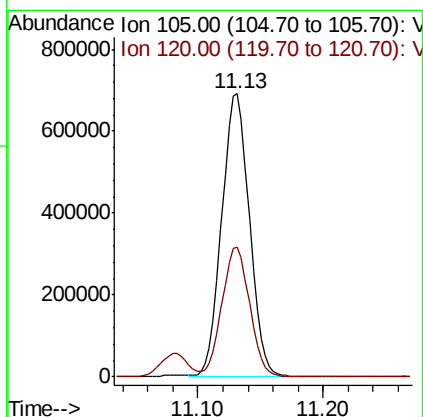
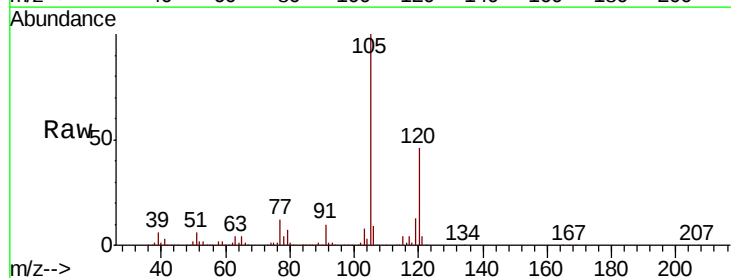
Instrument :
 MSVOA_U
 ClientSampleId :
 ICVVU082919

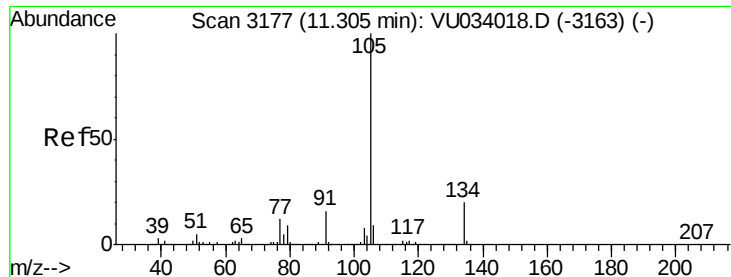
Tgt Ion:119 Resp: 1022200
 Ion Ratio Lower Upper
 119 100
 91 56.5 27.9 83.6
 134 22.9 11.4 34.2



#84
 1,2,4-Trimethylbenzene
 Concen: 53.425 ug/l
 RT: 11.13 min Scan# 3123
 Delta R.T. -0.00 min
 Lab File: VU034021.D
 Acq: 28 Aug 2019 14:01

Tgt Ion:105 Resp: 1059029
 Ion Ratio Lower Upper
 105 100
 120 45.8 22.6 67.8

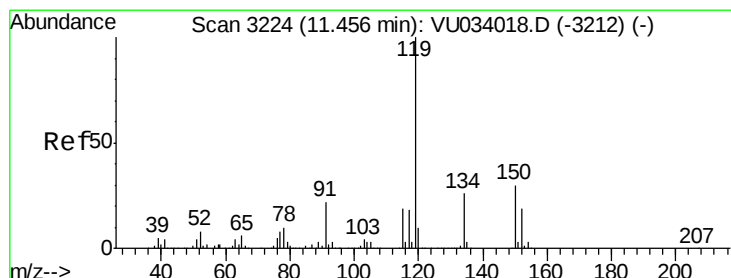
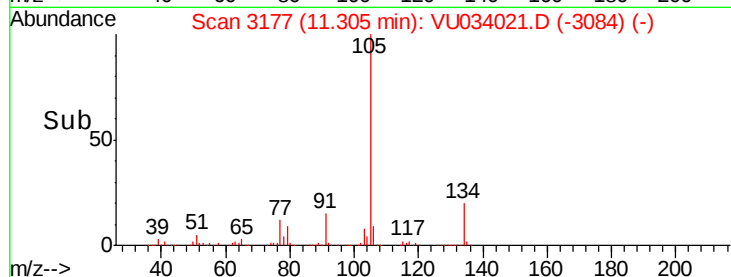
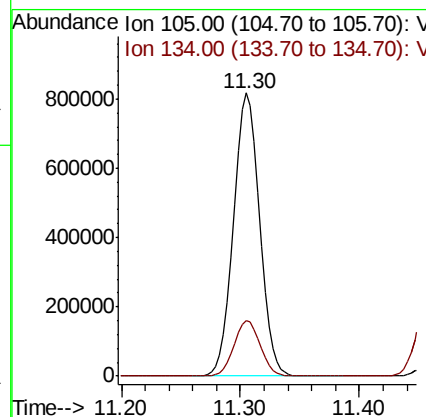
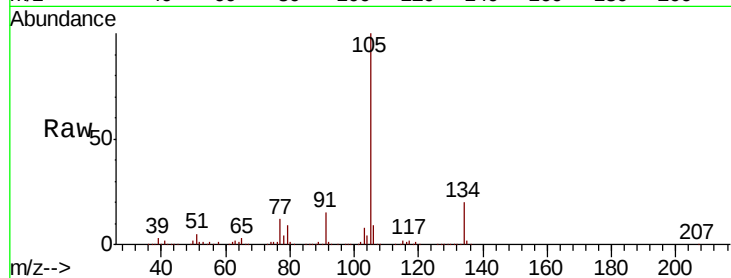




#85
 sec-Butylbenzene
 Concen: 52.547 ug/l
 RT: 11.30 min Scan# 3177
 Delta R.T. -0.00 min
 Lab File: VU034021.D
 Acq: 28 Aug 2019 14:01

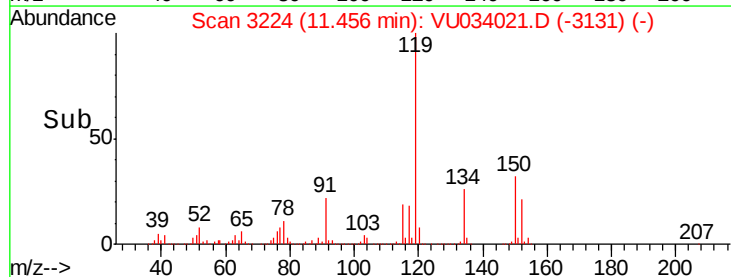
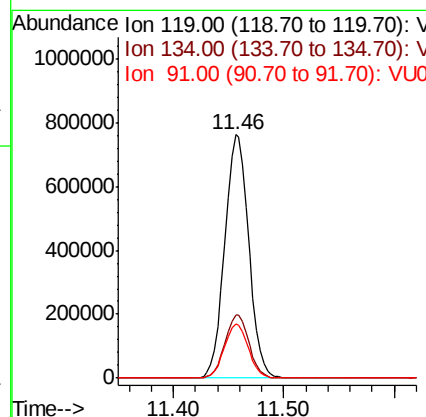
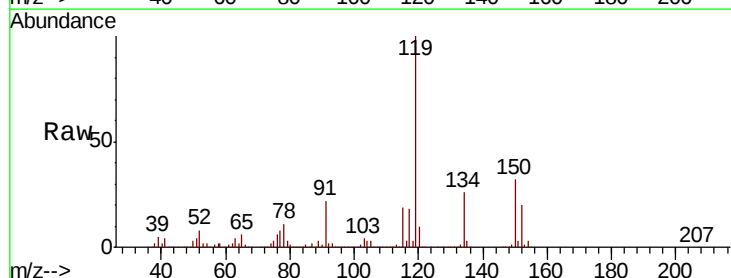
Instrument :
 MSVOA_U
 ClientSampleId :
 ICVVU082919

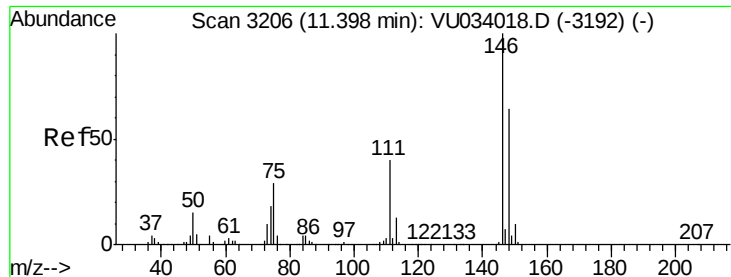
Tgt Ion:105 Resp: 1237675
 Ion Ratio Lower Upper
 105 100
 134 19.9 10.0 30.0



#86
 p-Isopropyltoluene
 Concen: 53.807 ug/l
 RT: 11.46 min Scan# 3224
 Delta R.T. -0.00 min
 Lab File: VU034021.D
 Acq: 28 Aug 2019 14:01

Tgt Ion:119 Resp: 1146234
 Ion Ratio Lower Upper
 119 100
 134 26.2 13.1 39.1
 91 22.2 11.2 33.6





#87

1,3-Dichlorobenzene

Concen: 50.441 ug/l

RT: 11.40 min Scan# 3206

Delta R.T. -0.00 min

Lab File: VU034021.D

Acq: 28 Aug 2019 14:01

Instrument :

MSVOA_U

ClientSampleId :

ICVVU082919

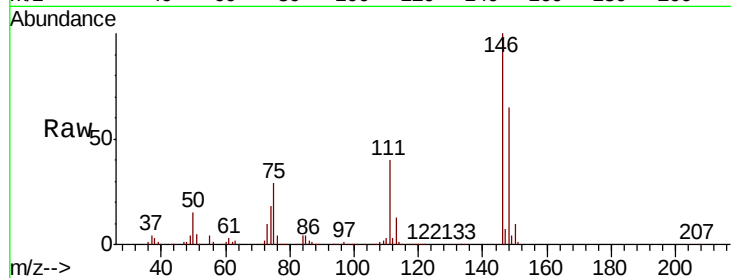
Tgt Ion:146 Resp: 565795

Ion Ratio Lower Upper

146 100

111 39.6 19.9 59.6

148 64.1 31.9 95.5

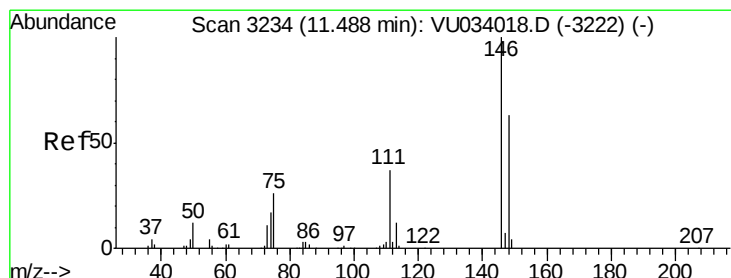
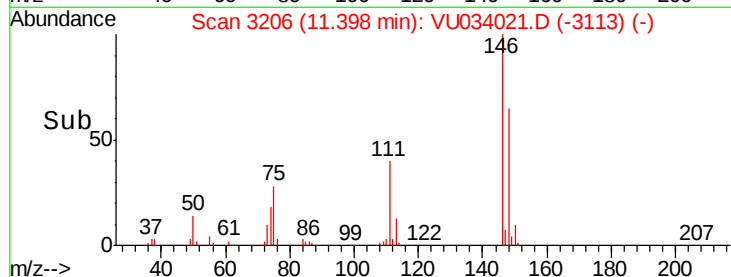
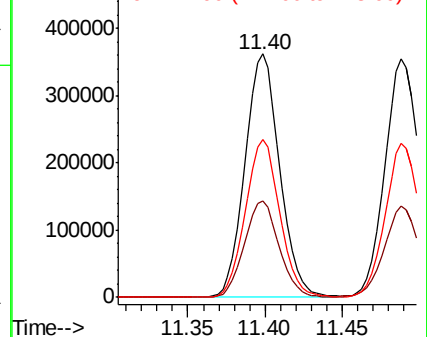


Abundance

Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#88

1,4-Dichlorobenzene

Concen: 49.844 ug/l

RT: 11.49 min Scan# 3234

Delta R.T. -0.00 min

Lab File: VU034021.D

Acq: 28 Aug 2019 14:01

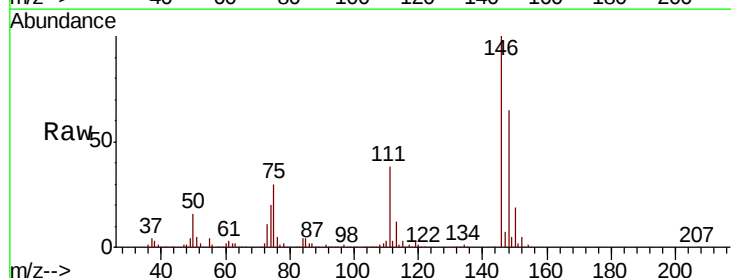
Tgt Ion:146 Resp: 565424

Ion Ratio Lower Upper

146 100

111 38.0 19.2 57.6

148 63.7 31.9 95.9

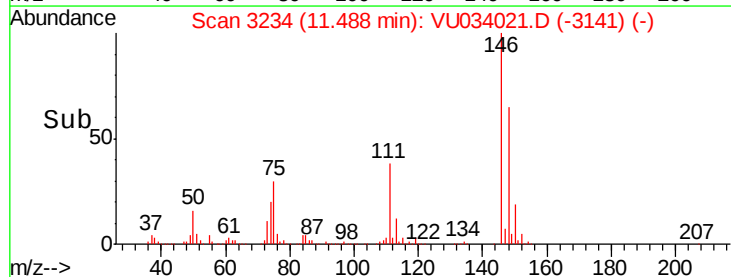
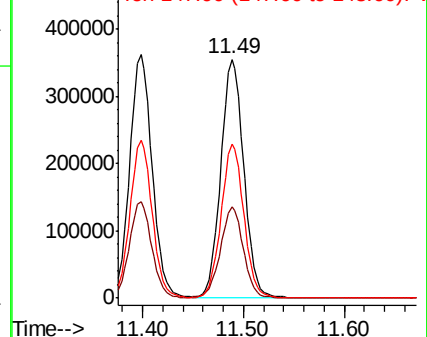


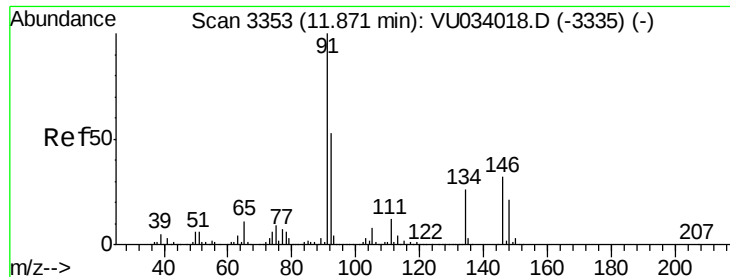
Abundance

Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V

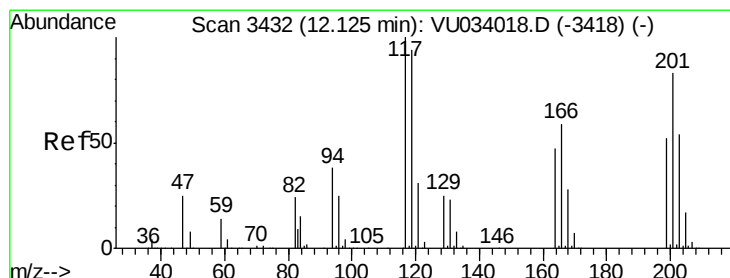
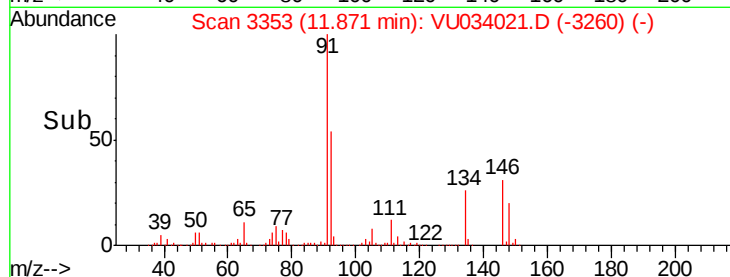
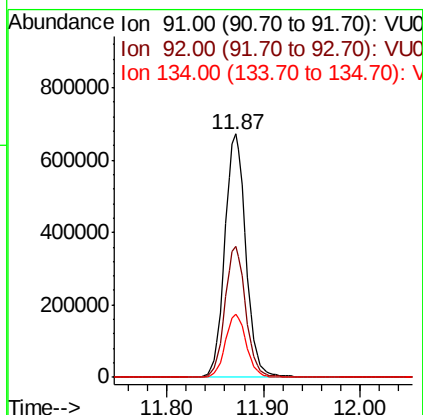
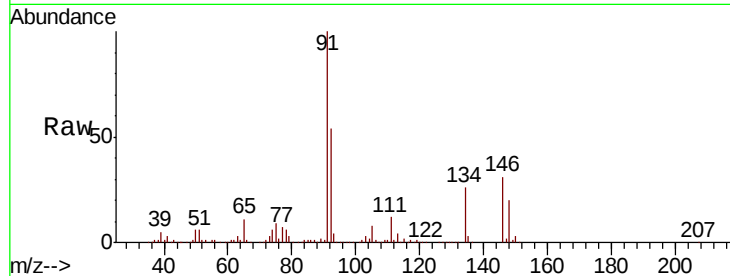




#89
n-Butylbenzene
Concen: 54.084 ug/l
RT: 11.87 min Scan# 3353
Delta R.T. -0.00 min
Lab File: VU034021.D
Acq: 28 Aug 2019 14:01

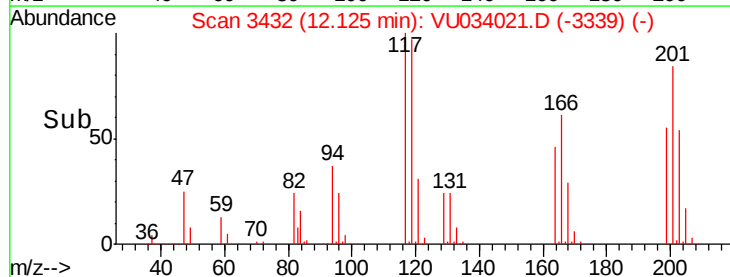
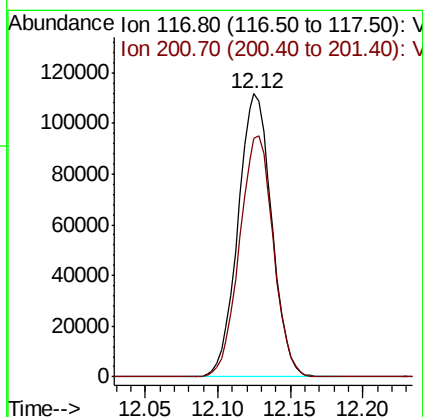
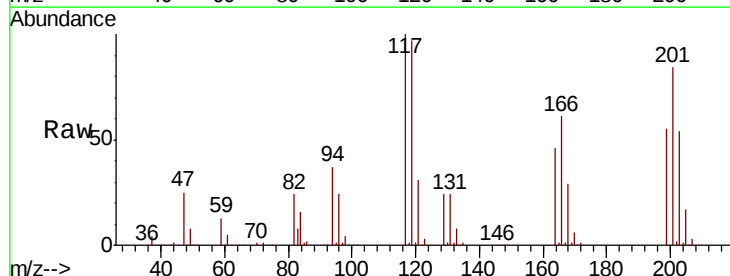
Instrument :
MSVOA_U
ClientSampleId :
ICVVU082919

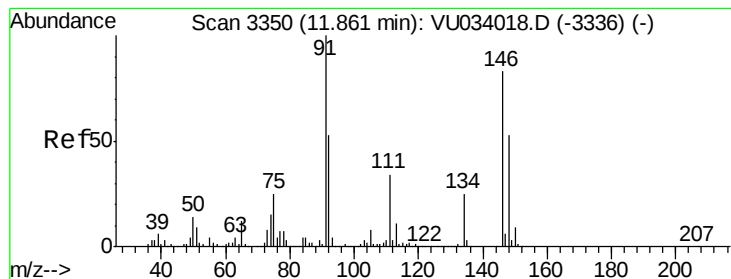
Tgt Ion: 91 Resp: 1015794
Ion Ratio Lower Upper
91 100
92 53.2 26.3 78.9
134 25.8 12.9 38.7



#90
Hexachloroethane
Concen: 48.935 ug/l
RT: 12.12 min Scan# 3432
Delta R.T. -0.00 min
Lab File: VU034021.D
Acq: 28 Aug 2019 14:01

Tgt Ion: 117 Resp: 180231
Ion Ratio Lower Upper
117 100
201 85.6 42.5 127.6





#91

1,2-Dichlorobenzene

Concen: 51.287 ug/l

RT: 11.86 min Scan# 3350

Delta R.T. -0.00 min

Lab File: VU034021.D

Acq: 28 Aug 2019 14:01

Instrument :

MSVOA_U

ClientSampleId :

ICVVU082919

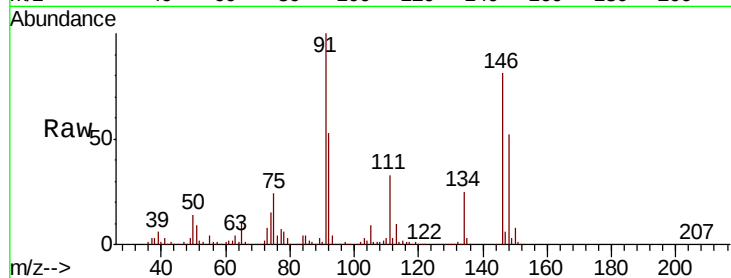
Tgt Ion:146 Resp: 551079

Ion Ratio Lower Upper

146 100

111 41.2 20.4 61.2

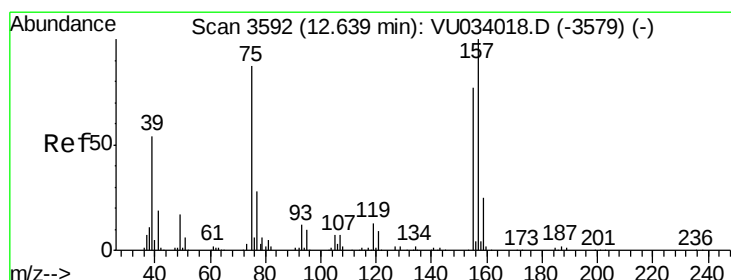
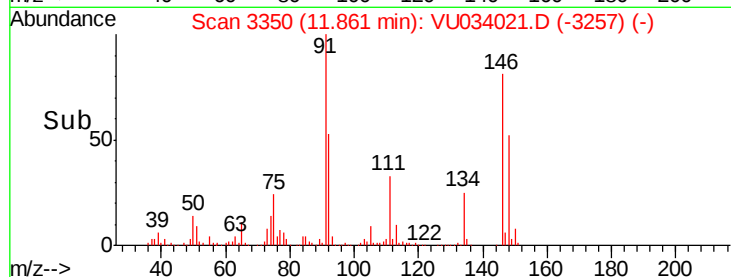
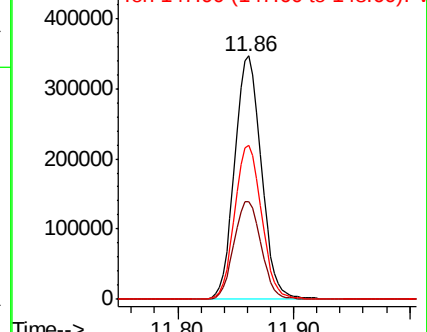
148 64.1 32.3 96.8



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 52.819 ug/l

RT: 12.64 min Scan# 3592

Delta R.T. -0.00 min

Lab File: VU034021.D

Acq: 28 Aug 2019 14:01

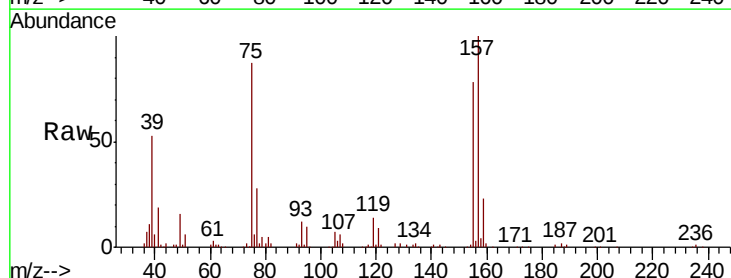
Tgt Ion: 75 Resp: 94862

Ion Ratio Lower Upper

75 100

155 86.3 43.5 130.7

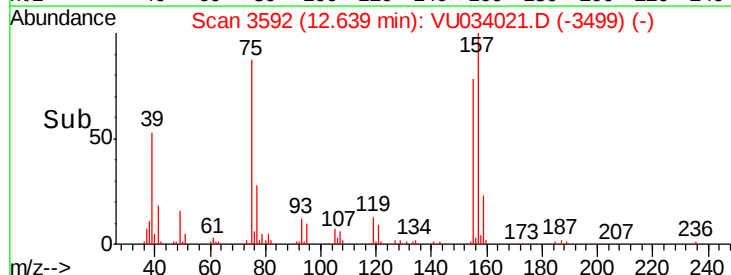
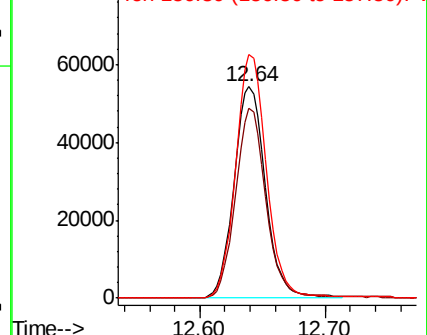
157 112.3 56.9 170.6

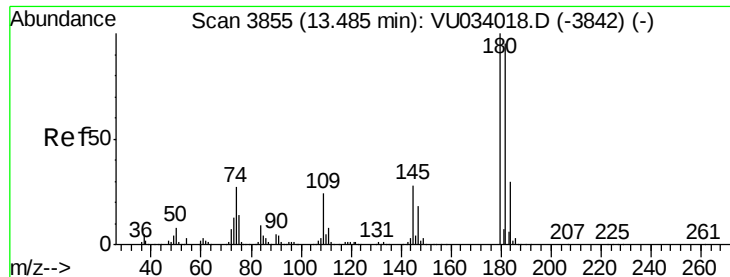


Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

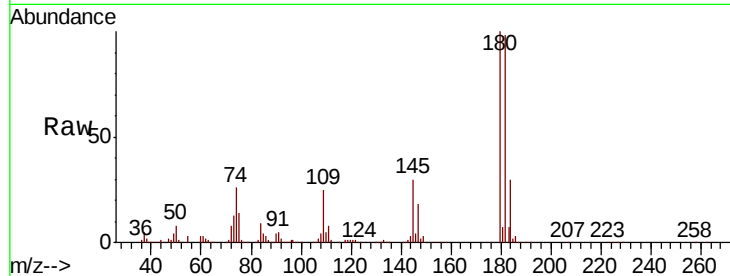




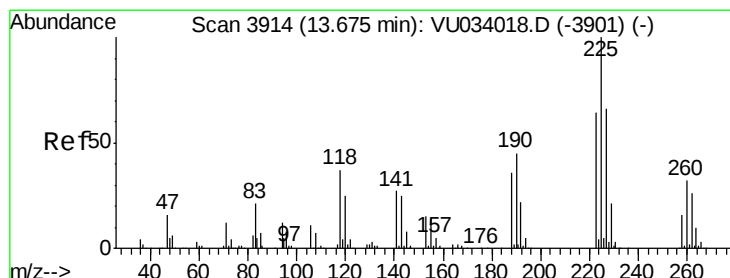
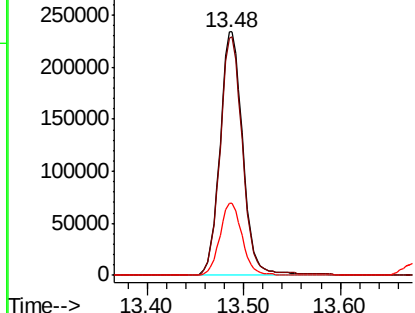
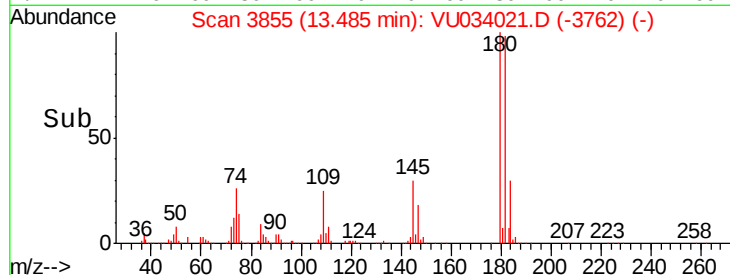
#93
 1,2,4-Trichlorobenzene
 Concen: 50.180 ug/l
 RT: 13.48 min Scan# 3855
 Delta R.T. -0.00 min
 Lab File: VU034021.D
 Acq: 28 Aug 2019 14:01

Instrument :
 MSVOA_U
 ClientSampleId :
 ICVVU082919

Tgt Ion:180 Resp: 383544
 Ion Ratio Lower Upper
 180 100
 182 96.3 47.4 142.2
 145 29.0 14.1 42.3

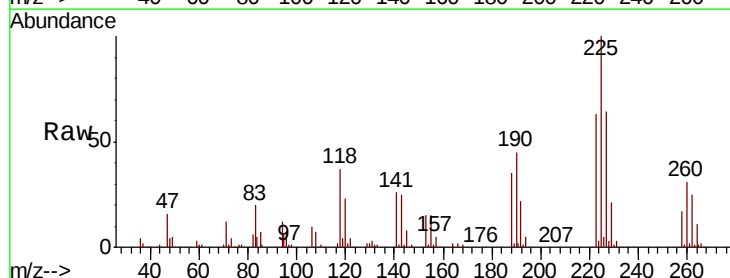


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

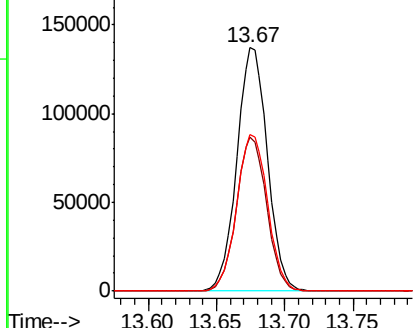
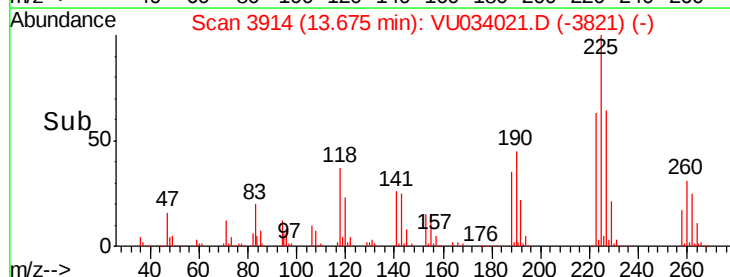


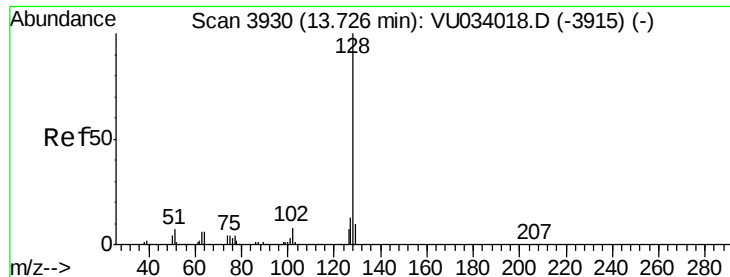
#94
 Hexachlorobutadiene
 Concen: 50.809 ug/l
 RT: 13.67 min Scan# 3914
 Delta R.T. -0.00 min
 Lab File: VU034021.D
 Acq: 28 Aug 2019 14:01

Tgt Ion:225 Resp: 213566
 Ion Ratio Lower Upper
 225 100
 223 62.4 31.8 95.3
 227 65.0 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

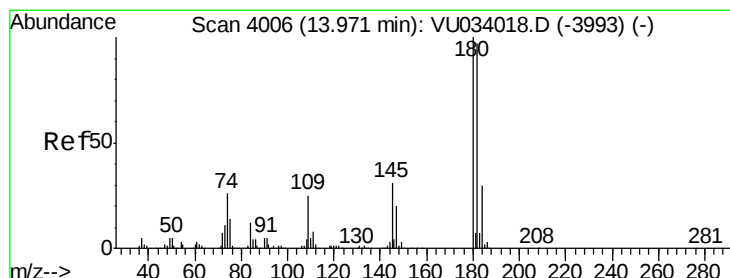
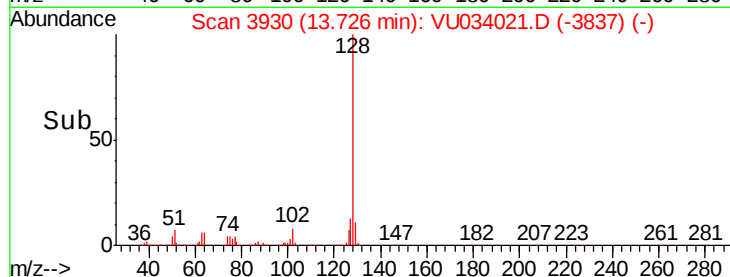
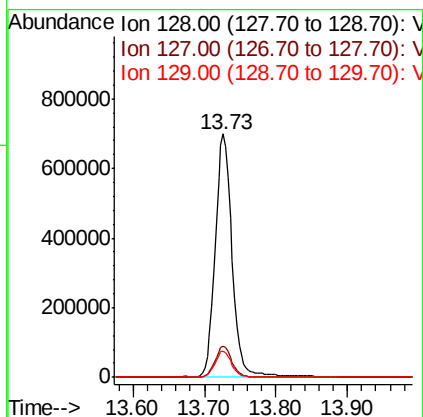
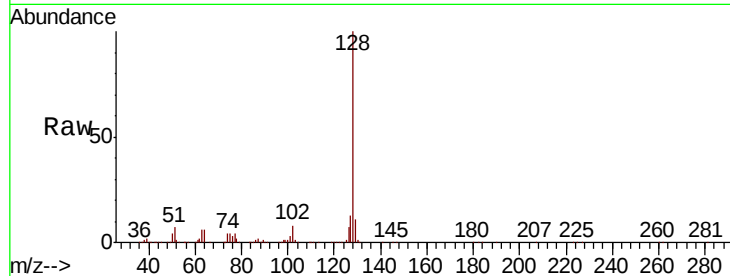




#95
Naphthalene
Concen: 52.743 ug/l
RT: 13.73 min Scan# 3930
Delta R.T. 0.00 min
Lab File: VU034021.D
Acq: 28 Aug 2019 14:01

Instrument :
MSVOA_U
ClientSampleId :
ICVVU082919

Tgt Ion:128 Resp: 1156627
Ion Ratio Lower Upper
128 100
127 12.8 10.2 15.4
129 10.5 8.4 12.6



#96
1,2,3-Trichlorobenzene
Concen: 55.196 ug/l
RT: 13.97 min Scan# 4006
Delta R.T. -0.00 min
Lab File: VU034021.D
Acq: 28 Aug 2019 14:01

Tgt Ion:180 Resp: 379917
Ion Ratio Lower Upper
180 100
182 96.6 48.2 144.6
145 31.4 15.5 46.5

