

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU083019\
 Data File : VU034061.D
 Acq On : 29 Aug 2019 14:54
 Operator : JC/SP
 Sample : VU0830MBSD01
 Misc : 5.00uL/10mL/100uL/5.0mL/MSVOA_U/MEOH
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Aug 29 15:55:45 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U082919W.M
 Quant Title : SW846 8260
 QLast Update : Thu Aug 29 04:11:12 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.96	168	424422	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.86	114	682727	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.07	117	651209	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.47	152	350275	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.29	65	274468	50.47	ug/l	0.00
Spiked Amount			Recovery	=	100.94%	
35) Dibromofluoromethane	4.86	113	227336	48.01	ug/l	0.00
Spiked Amount			Recovery	=	96.02%	
50) Toluene-d8	7.55	98	894029	50.42	ug/l	0.00
Spiked Amount			Recovery	=	100.84%	
62) 4-Bromofluorobenzene	10.29	95	326967	47.41	ug/l	0.00
Spiked Amount			Recovery	=	94.82%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	87487	20.496	ug/l	100
3) Chloromethane	1.32	50	109498	17.865	ug/l	99
4) Vinyl Chloride	1.40	62	113143	19.916	ug/l	99
5) Bromomethane	1.62	94	57648	17.279	ug/l	97
6) Chloroethane	1.69	64	68695	19.779	ug/l	100
7) Trichlorofluoromethane	1.88	101	133767	20.321	ug/l	97
8) Diethyl Ether	2.09	74	56869	20.195	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.28	101	83023	19.909	ug/l	98
10) Methyl Iodide	2.40	142	62643	10.589	ug/l	99
11) Tert butyl alcohol	2.81	59	110795	88.346	ug/l	99
12) 1,1-Dichloroethene	2.27	96	85857	20.207	ug/l	99
13) Acrolein	2.18	56	40016	75.850	ug/l	99
14) Allyl chloride	2.58	41	138566	17.345	ug/l	92
15) Acrylonitrile	2.92	53	289518	100.605	ug/l	100
16) Acetone	2.31	43	252522	91.004	ug/l	99
17) Carbon Disulfide	2.47	76	255696	19.014	ug/l	100
18) Methyl Acetate	2.60	43	135478	18.893	ug/l	100
19) Methyl tert-butyl Ether	2.98	73	282503	20.293	ug/l	100
20) Methylene Chloride	2.69	84	102764	19.562	ug/l	98
21) trans-1,2-Dichloroethene	2.97	96	92649	20.092	ug/l	98
22) Diisopropyl ether	3.55	45	304124	20.776	ug/l	93
23) Vinyl Acetate	3.50	43	1271971	101.151	ug/l	100
24) 1,1-Dichloroethane	3.43	63	177165	20.499	ug/l	99
25) 2-Butanone	4.24	43	382881	99.178	ug/l	99
26) 2,2-Dichloropropane	4.20	77	130015	18.488	ug/l	98
27) cis-1,2-Dichloroethene	4.20	96	100968	19.508	ug/l	97
28) Bromochloromethane	4.52	49	89744	21.077	ug/l	97
29) Tetrahydrofuran	4.61	42	249367	104.741	ug/l	99
30) Chloroform	4.65	83	172062	19.954	ug/l	98
31) Cyclohexane	4.97	56	157243	19.363	ug/l	97
32) 1,1,1-Trichloroethane	4.89	97	140743	19.929	ug/l	99
36) 1,1-Dichloropropene	5.12	75	124173	19.229	ug/l	99
37) Ethyl Acetate	4.36	43	139808	19.333	ug/l	99
38) Carbon Tetrachloride	5.11	117	123129	19.753	ug/l	98

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 Quant Title : SW846 8260
 QLast Update : Thu Aug 29 04:11:12 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.40	83	142276	18.693	ug/l	97
40) Benzene	5.37	78	390505	19.987	ug/l	99
41) Methacrylonitrile	4.52	41	73281	19.759	ug/l	98
42) 1,2-Dichloroethane	5.38	62	133777	19.828	ug/l	99
43) Isopropyl Acetate	5.53	43	213207	19.380	ug/l	99
44) Trichloroethene	6.17	130	103596	20.191	ug/l	98
45) 1,2-Dichloropropane	6.41	63	106854	19.867	ug/l	99
46) Dibromomethane	6.54	93	70023	20.208	ug/l	98
47) Bromodichloromethane	6.74	83	133189	19.646	ug/l	98
48) Methyl methacrylate	6.60	41	97897	18.440	ug/l	97
49) 1,4-Dioxane	6.59	88	44478	334.379	ug/l	99
51) 4-Methyl-2-Pentanone	7.44	43	729178	95.972	ug/l	100
52) Toluene	7.62	92	241237	20.043	ug/l	99
53) t-1,3-Dichloropropene	7.86	75	136208	18.107	ug/l	98
54) cis-1,3-Dichloropropene	7.25	75	157736	19.194	ug/l	99
55) 1,1,2-Trichloroethane	8.05	97	97789	19.208	ug/l	98
56) Ethyl methacrylate	8.00	69	139671	17.190	ug/l	99
57) 1,3-Dichloropropane	8.22	76	167311	19.355	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.11	63	241300	85.673	ug/l	100
59) 2-Hexanone	8.34	43	542475	94.579	ug/l	99
60) Dibromochloromethane	8.46	129	102802	18.811	ug/l	100
61) 1,2-Dibromoethane	8.57	107	101481	18.923	ug/l	99
64) Tetrachloroethene	8.21	164	91531	20.930	ug/l	98
65) Chlorobenzene	9.10	112	264388	19.729	ug/l	99
66) 1,1,1,2-Tetrachloroethane	9.19	131	91991	18.930	ug/l	99
67) Ethyl Benzene	9.23	91	445647	19.617	ug/l	99
68) m/p-Xylenes	9.36	106	344496	39.882	ug/l	99
69) o-Xylene	9.76	106	162663	19.629	ug/l	99
70) Styrene	9.77	104	284400	20.015	ug/l	100
71) Bromoform	9.94	173	76657	18.156	ug/l #	98
73) Isopropylbenzene	10.15	105	443083	18.832	ug/l	100
74) N-amyl acetate	10.00	43	178678	18.056	ug/l	99
75) 1,1,2,2-Tetrachloroethane	10.44	83	165884	18.421	ug/l	100
76) 1,2,3-Trichloropropane	10.48	75	180172	22.822	ug/l	86
77) Bromobenzene	10.43	156	117453	18.558	ug/l	99
78) n-propylbenzene	10.57	91	524408	19.139	ug/l	98
79) 2-Chlorotoluene	10.64	91	315541	19.199	ug/l	100
80) 1,3,5-Trimethylbenzene	10.76	105	389032	19.509	ug/l	99
81) trans-1,4-Dichloro-2-buten	10.48	75	180172	76.848	ug/l #	100
82) 4-Chlorotoluene	10.76	91	363116	19.211	ug/l	100
83) tert-Butylbenzene	11.08	119	357929	18.233	ug/l	98
84) 1,2,4-Trimethylbenzene	11.13	105	390977	19.745	ug/l	99
85) sec-Butylbenzene	11.30	105	441902	18.782	ug/l	99
86) p-Isopropyltoluene	11.46	119	409462	19.242	ug/l	99
87) 1,3-Dichlorobenzene	11.40	146	214801	19.171	ug/l	99
88) 1,4-Dichlorobenzene	11.49	146	215059	18.979	ug/l	98
89) n-Butylbenzene	11.87	91	353175	18.825	ug/l	100
90) Hexachloroethane	12.12	117	58648	15.941	ug/l	99
91) 1,2-Dichlorobenzene	11.86	146	207651	19.347	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	12.64	75	32311	18.010	ug/l	97

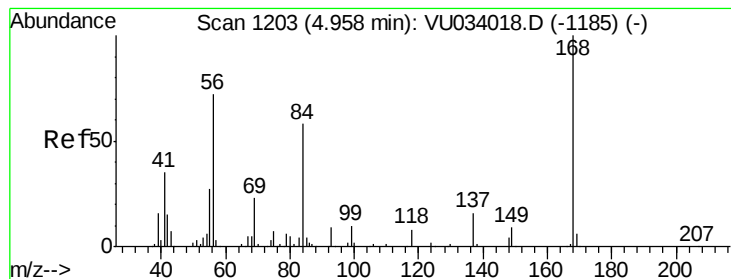
Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU083019\
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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U082919W.M
Quant Title : SW846 8260
QLast Update : Thu Aug 29 04:11:12 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.49	180	131275	17.926	ug/l	98
94) Hexachlorobutadiene	13.68	225	76591	18.241	ug/l	98
95) Naphthalene	13.73	128	358083	17.582	ug/l	100
96) 1,2,3-Trichlorobenzene	13.97	180	133264	19.382	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.96 min Scan# 1204

Delta R.T. 0.00 min

Lab File: VU034061.D

Acq: 29 Aug 2019 14:54

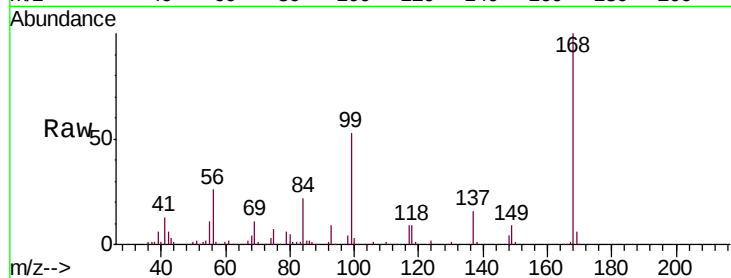
Instrument :
MSVOA_U
ClientSampled :

Tot Ion:168 Resp: 424422

Ion Ratio Lower Upper

168 100

99 52.6 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

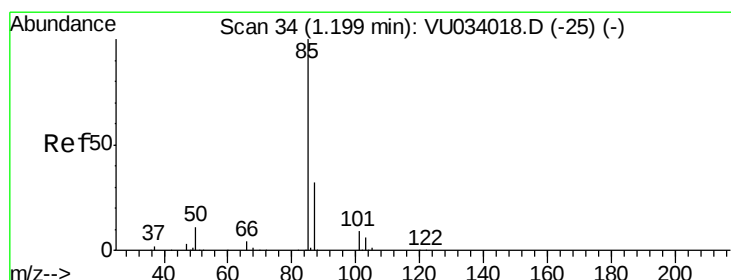
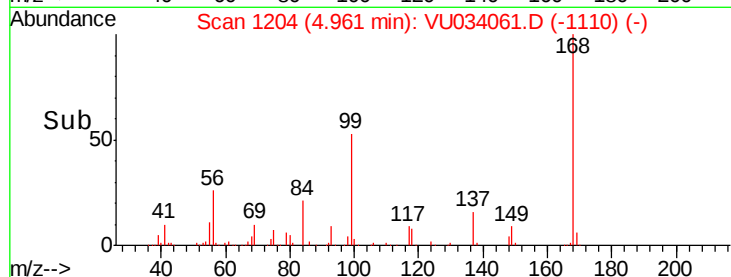
50000

0

4.90

5.00

Time-->



#2

Dichlorodifluoromethane

Concen: 20.496 ug/l

RT: 1.20 min Scan# 35

Delta R.T. 0.00 min

Lab File: VU034061.D

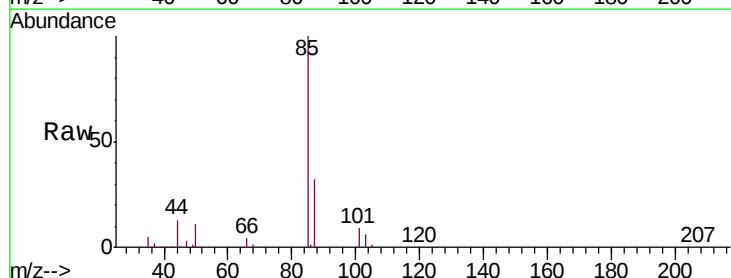
Acq: 29 Aug 2019 14:54

Tgt Ion: 85 Resp: 87487

Ion Ratio Lower Upper

85 100

87 32.5 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

100000

80000

60000

40000

20000

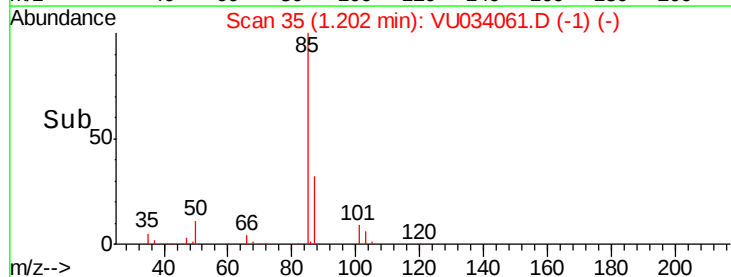
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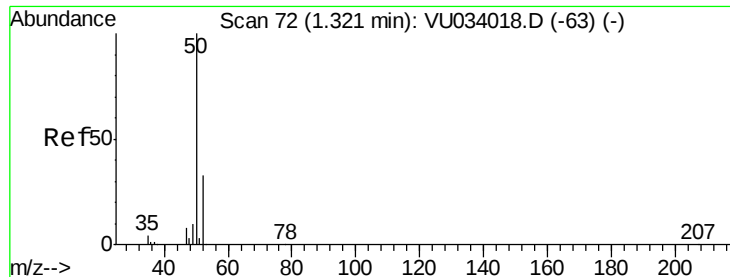
1.15

1.20

1.25

Time-->





#3

Chloromethane

Concen: 17.865 ug/l

RT: 1.32 min Scan# 73

Delta R.T. 0.00 min

Lab File: VU034061.D

Acq: 29 Aug 2019 14:54

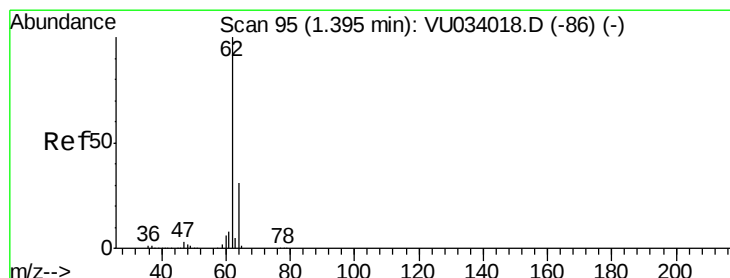
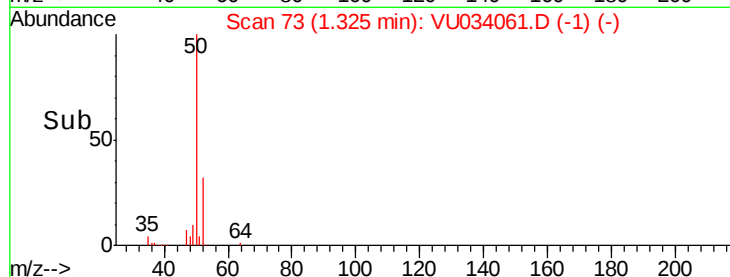
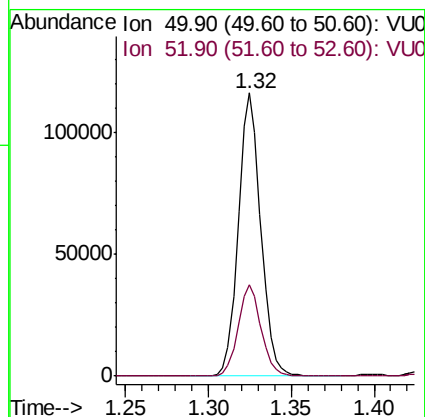
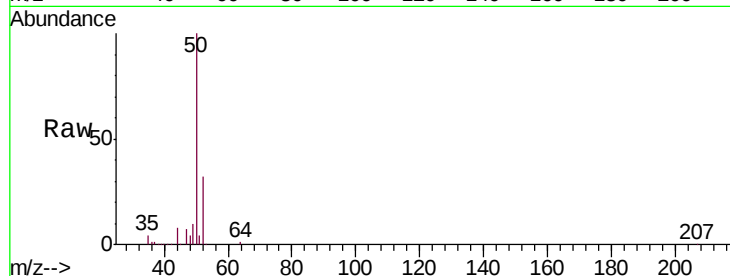
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 50 Resp: 109498

Ion Ratio Lower Upper

50 100

52 32.4 26.2 39.4



#4

Vinyl Chloride

Concen: 19.916 ug/l

RT: 1.40 min Scan# 96

Delta R.T. 0.00 min

Lab File: VU034061.D

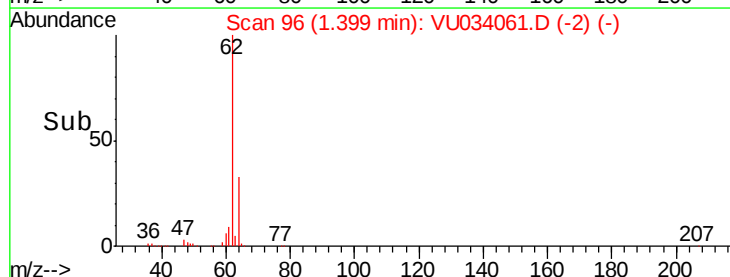
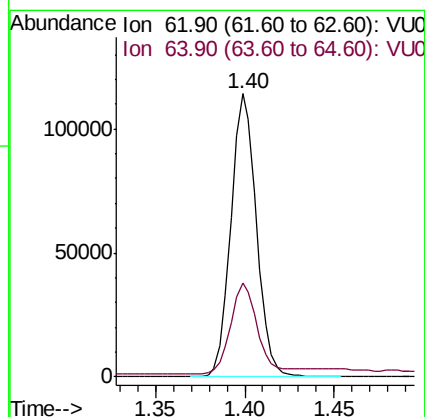
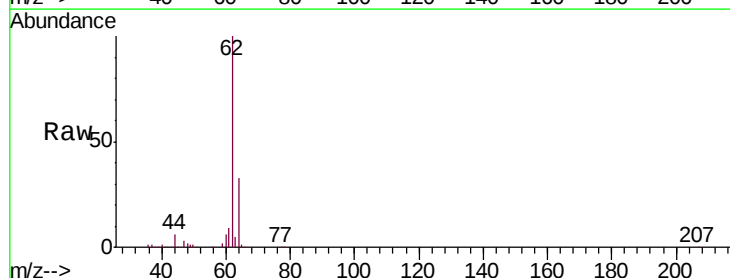
Acq: 29 Aug 2019 14:54

Tgt Ion: 62 Resp: 113143

Ion Ratio Lower Upper

62 100

64 31.9 25.0 37.6





#5

Bromomethane

Concen: 17.279 ug/l

RT: 1.62 min Scan# 164

Delta R.T. 0.02 min

Lab File: VU034061.D

Acq: 29 Aug 2019 14:54

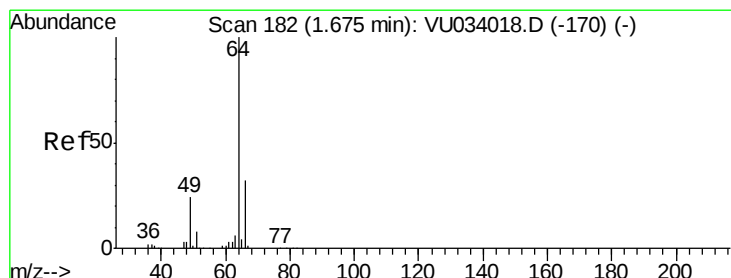
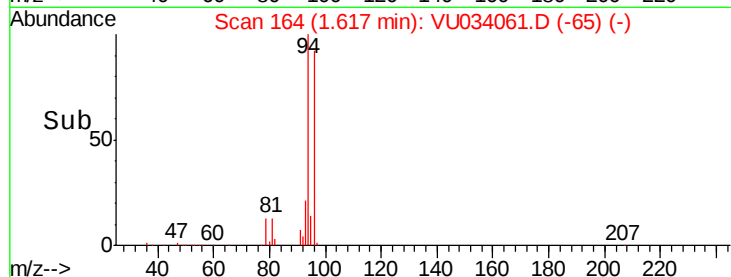
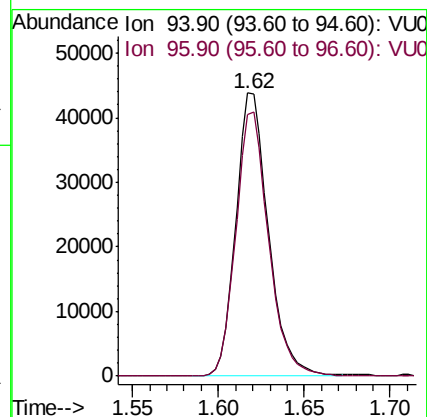
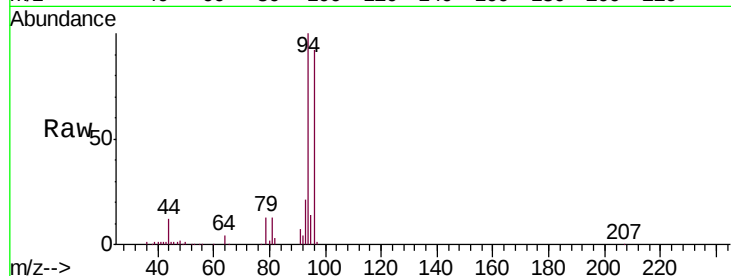
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 94 Resp: 57648

Ion Ratio Lower Upper

94 100

96 92.4 76.3 114.5



#6

Chloroethane

Concen: 19.779 ug/l

RT: 1.69 min Scan# 187

Delta R.T. 0.02 min

Lab File: VU034061.D

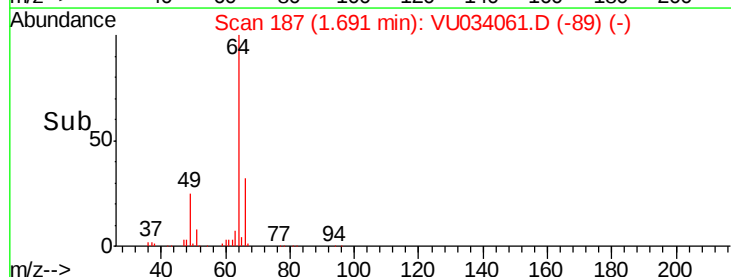
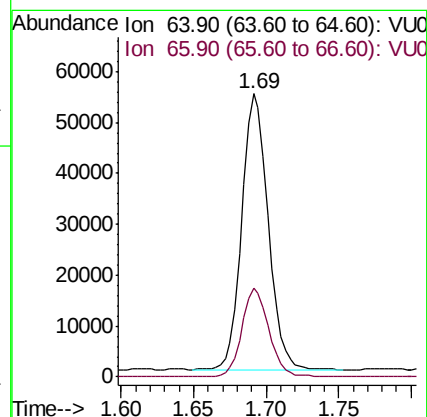
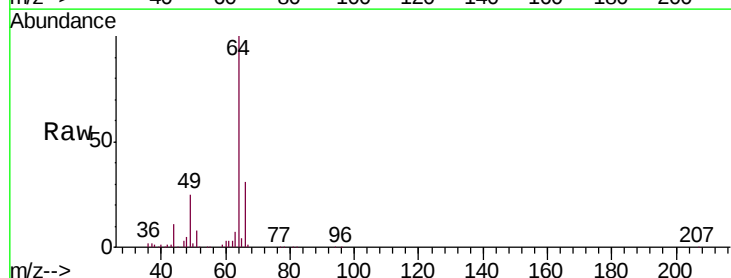
Acq: 29 Aug 2019 14:54

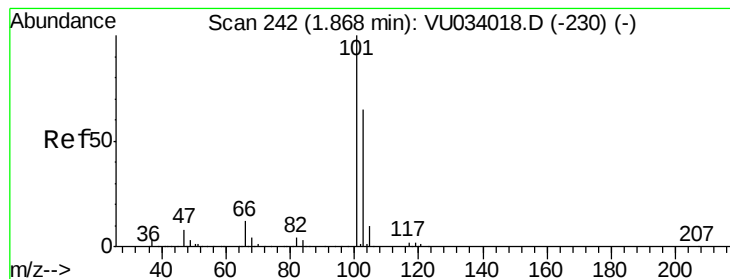
Tgt Ion: 64 Resp: 68695

Ion Ratio Lower Upper

64 100

66 31.8 25.5 38.3



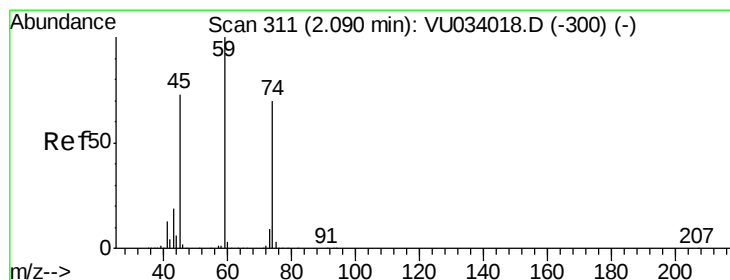
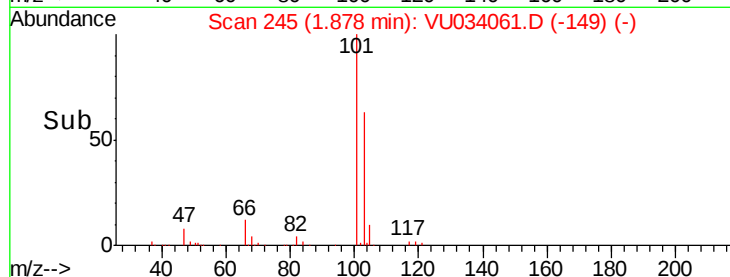
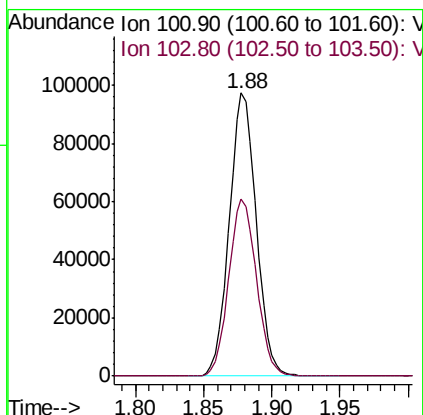
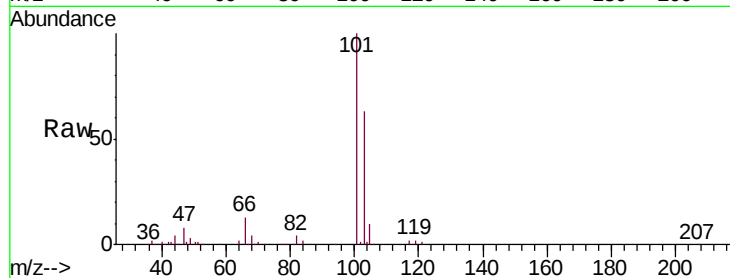


#7

Trichlorofluoromethane
Concen: 20.321 ug/l
RT: 1.88 min Scan# 245
Delta R.T. 0.01 min
Lab File: VU034061.D
Acq: 29 Aug 2019 14:54

Instrument :
MSVOA_U
ClientSampled :

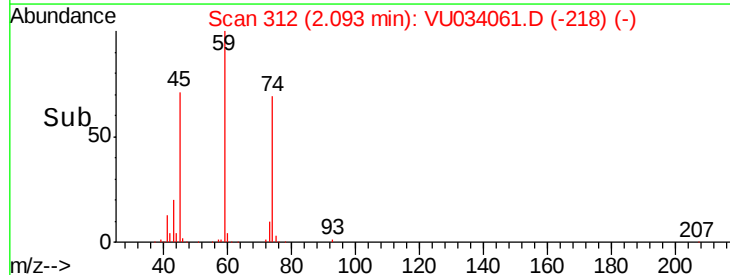
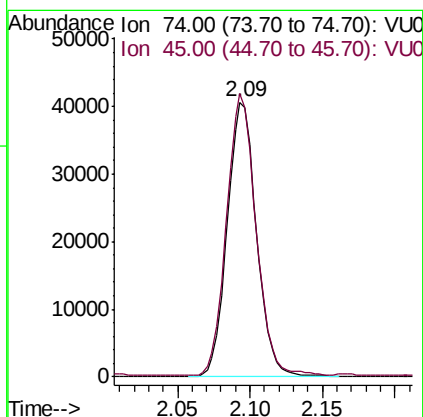
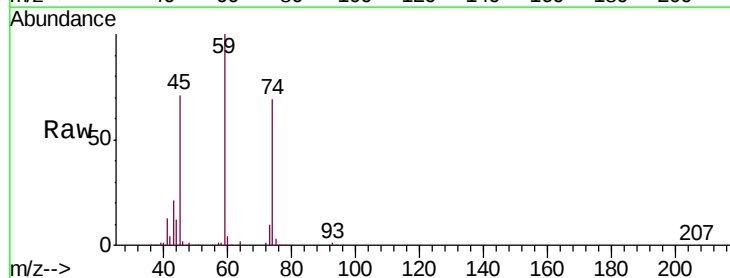
Tot Ion:101 Resp: 133767
Ion Ratio Lower Upper
101 100
103 62.6 52.1 78.1

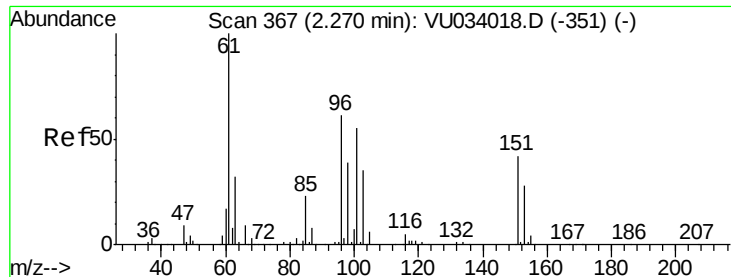


#8

Diethyl Ether
Concen: 20.195 ug/l
RT: 2.09 min Scan# 312
Delta R.T. 0.00 min
Lab File: VU034061.D
Acq: 29 Aug 2019 14:54

Tgt Ion: 74 Resp: 56869
Ion Ratio Lower Upper
74 100
45 103.0 51.8 155.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.909 ug/l

RT: 2.28 min Scan# 369

Delta R.T. 0.01 min

Lab File: VU034061.D

Acq: 29 Aug 2019 14:54

Instrument :

MSVOA_U

ClientSampleId :

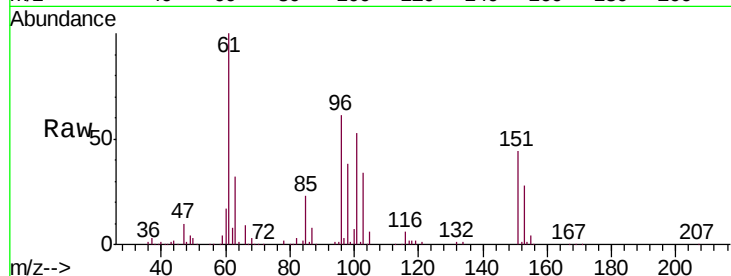
Tot Ion:101 Resp: 83023

Ion Ratio Lower Upper

101 100

85 43.0 34.2 51.2

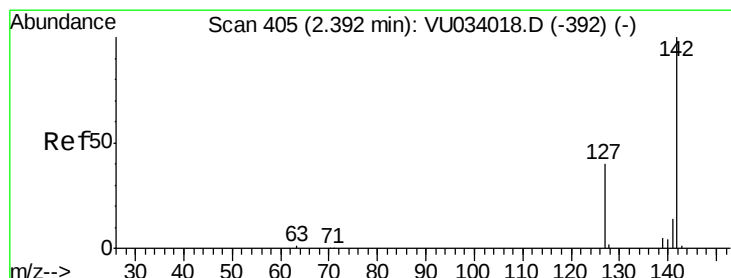
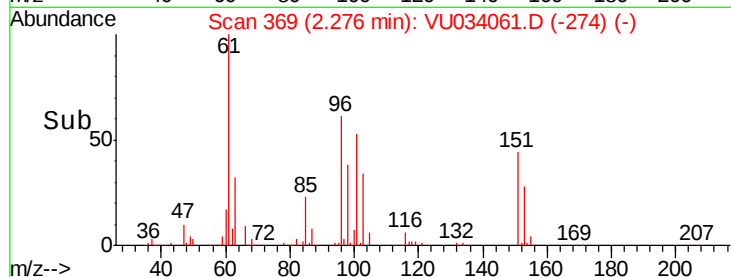
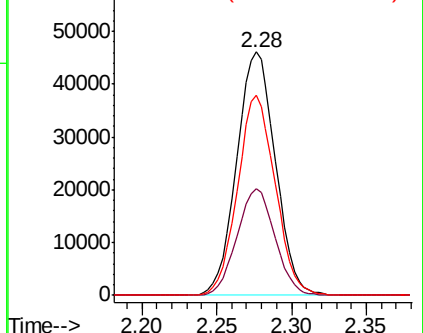
151 79.9 61.4 92.2



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 10.589 ug/l

RT: 2.40 min Scan# 407

Delta R.T. 0.01 min

Lab File: VU034061.D

Acq: 29 Aug 2019 14:54

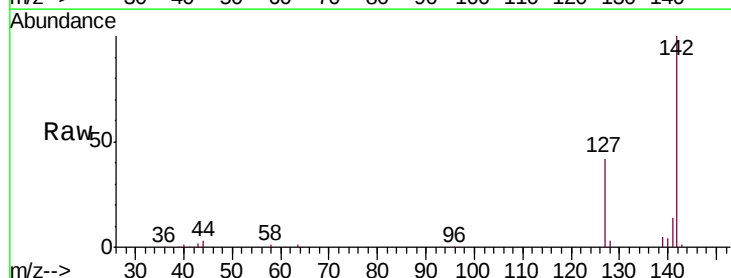
Tgt Ion:142 Resp: 62643

Ion Ratio Lower Upper

142 100

127 41.7 32.6 48.8

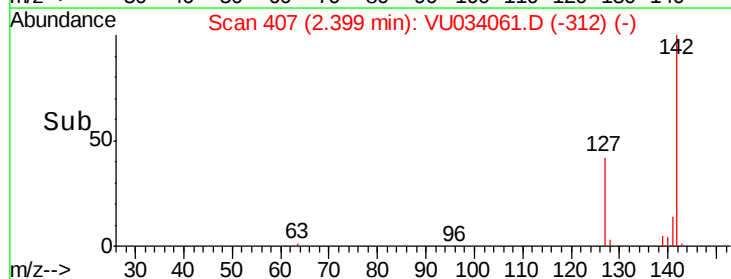
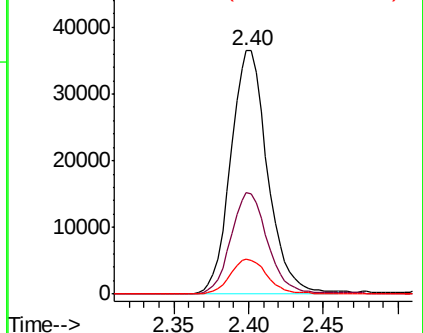
141 14.3 11.3 16.9

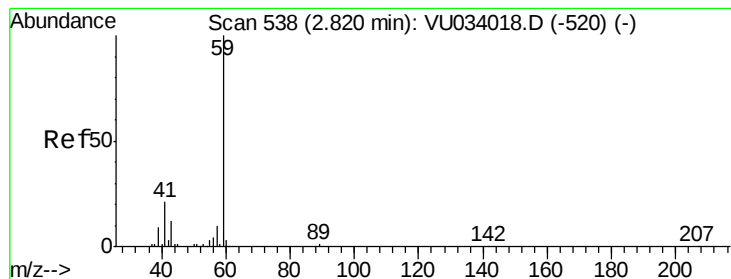


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



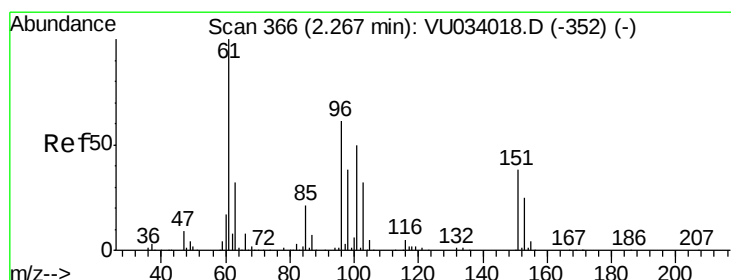
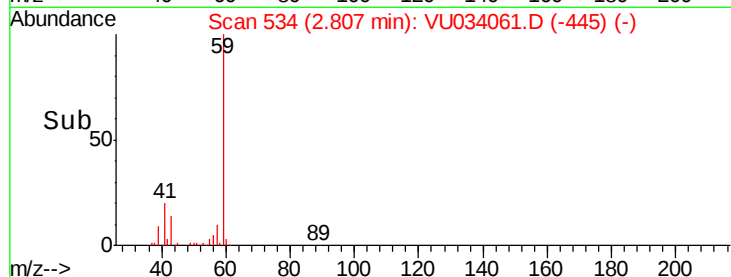
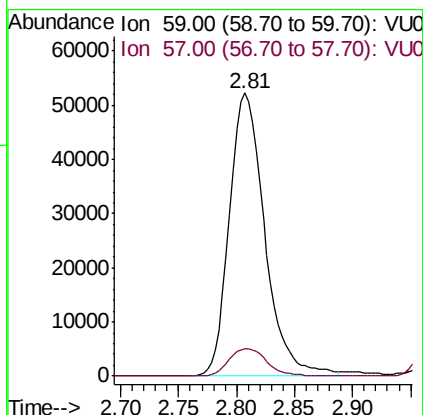
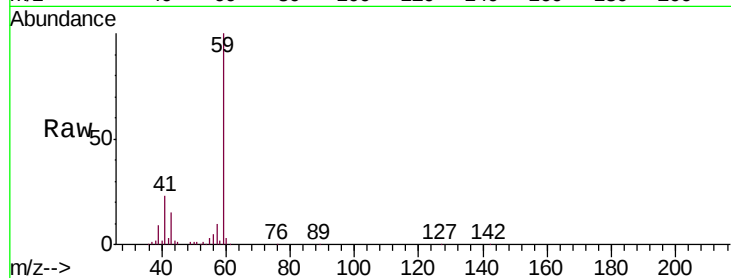


#11

Tert butyl alcohol
 Concen: 88.346 ug/l
 RT: 2.81 min Scan# 534
 Delta R.T. -0.01 min
 Lab File: VU034061.D
 Acq: 29 Aug 2019 14:54

Instrument :
 MSVOA_U
 ClientSampled :

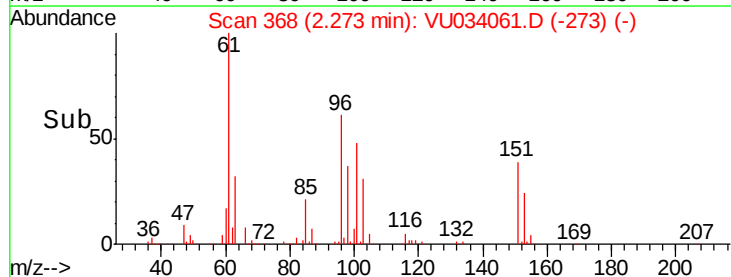
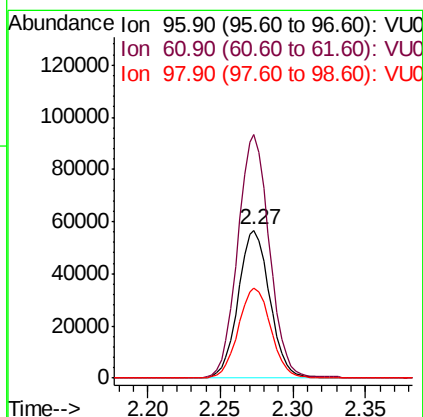
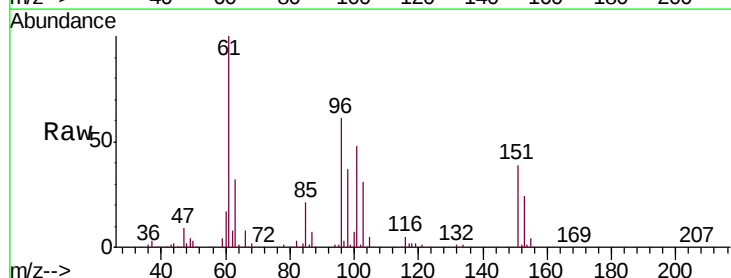
Tot Ion: 59 Resp: 110795
 Ion Ratio Lower Upper
 59 100
 57 10.5 8.0 12.0

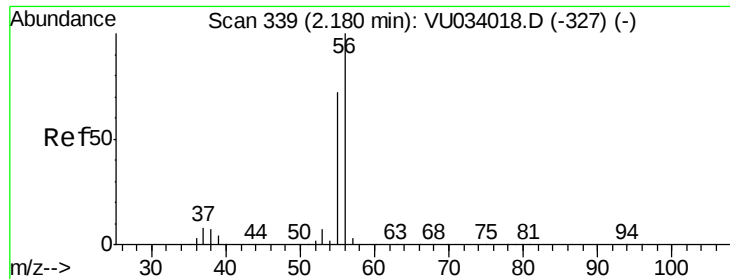


#12

1,1-Dichloroethene
 Concen: 20.207 ug/l
 RT: 2.27 min Scan# 368
 Delta R.T. 0.01 min
 Lab File: VU034061.D
 Acq: 29 Aug 2019 14:54

Tgt Ion: 96 Resp: 85857
 Ion Ratio Lower Upper
 96 100
 61 164.2 131.3 196.9
 98 61.1 50.3 75.5

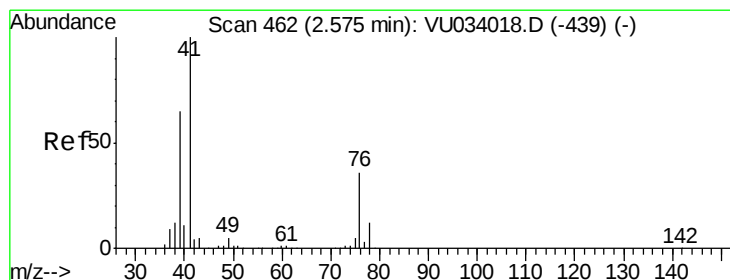
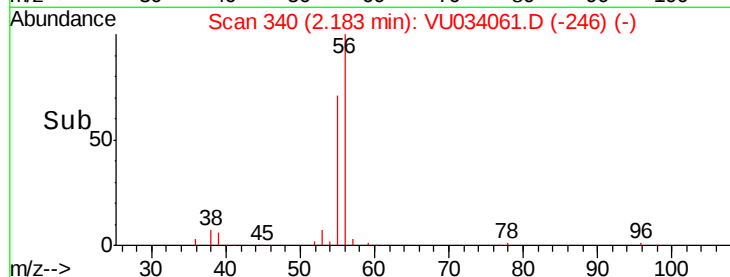
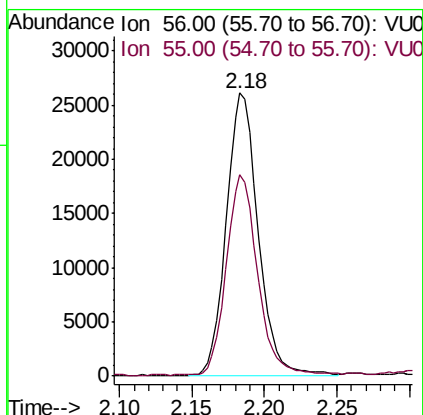
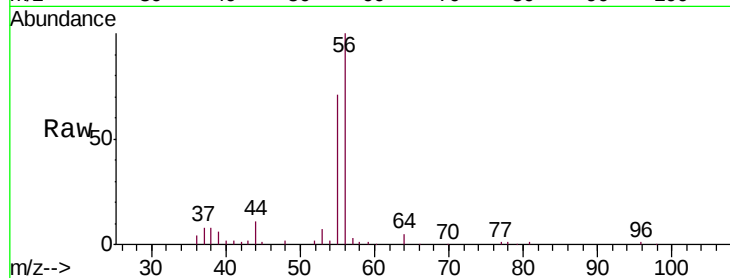




#13
 Acrolein
 Concen: 75.850 ug/l
 RT: 2.18 min Scan# 340
 Delta R.T. 0.00 min
 Lab File: VU034061.D
 Acq: 29 Aug 2019 14:54

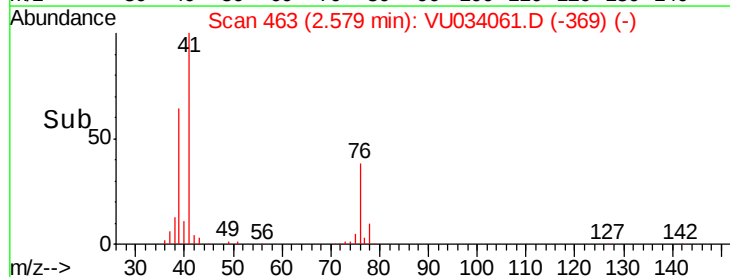
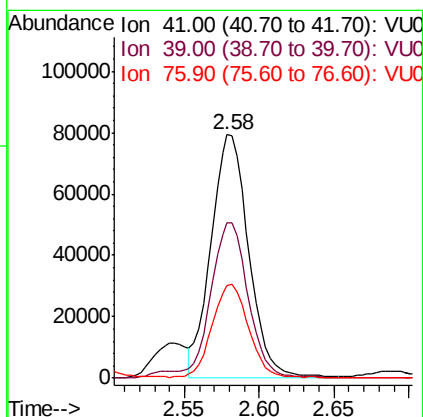
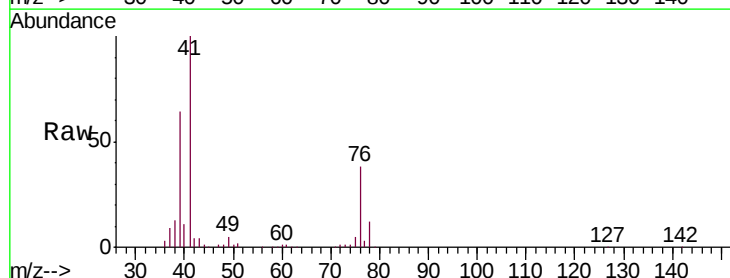
Instrument :
 MSVOA_U
 ClientSampleId :

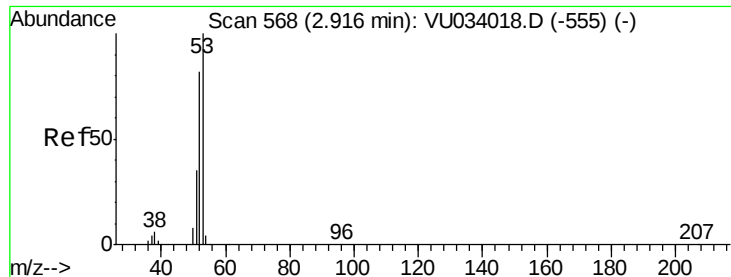
Tot Ion: 56 Resp: 40016
 Ion Ratio Lower Upper
 56 100
 55 70.8 57.1 85.7



#14
 Allyl chloride
 Concen: 17.345 ug/l
 RT: 2.58 min Scan# 463
 Delta R.T. 0.00 min
 Lab File: VU034061.D
 Acq: 29 Aug 2019 14:54

Tgt Ion: 41 Resp: 138566
 Ion Ratio Lower Upper
 41 100
 39 65.7 46.8 70.2
 76 36.6 26.6 40.0





#15

Acrylonitrile

Concen: 100.605 ug/l

RT: 2.92 min Scan# 569

Delta R.T. 0.00 min

Lab File: VU034061.D

Acq: 29 Aug 2019 14:54

Instrument :
MSVOA_U
ClientSampleId :

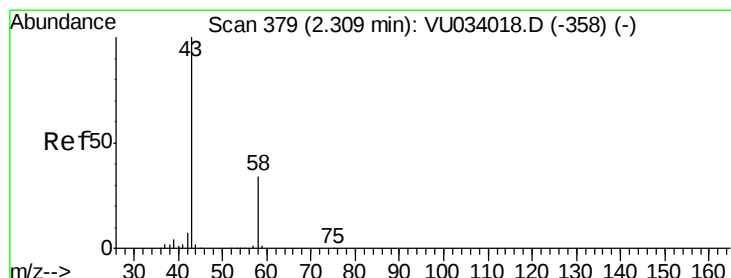
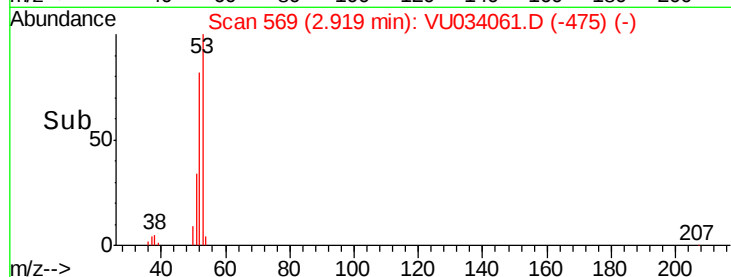
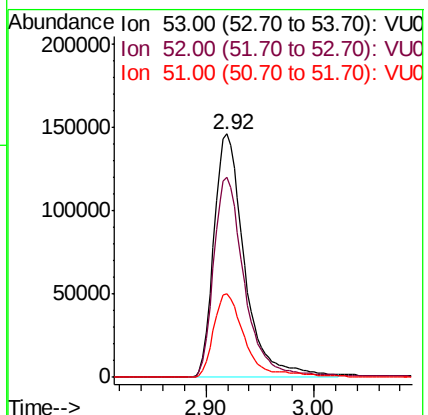
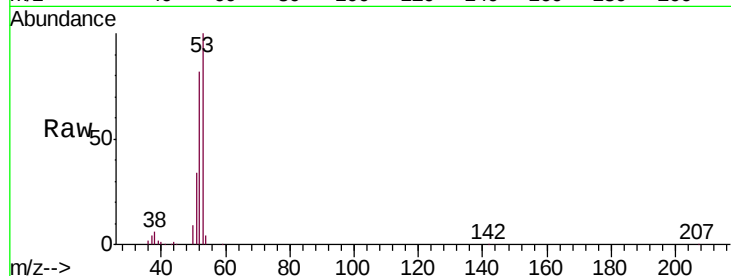
Tot Ion: 53 Resp: 289518

Ion Ratio Lower Upper

53 100

52 82.5 65.7 98.5

51 35.3 27.9 41.9



#16

Acetone

Concen: 91.004 ug/l

RT: 2.31 min Scan# 379

Delta R.T. -0.00 min

Lab File: VU034061.D

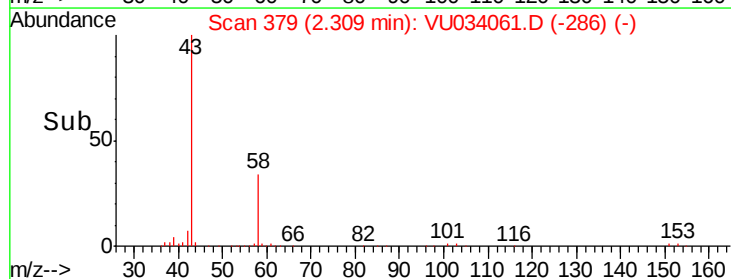
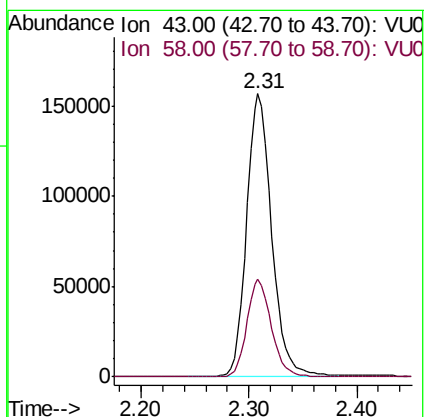
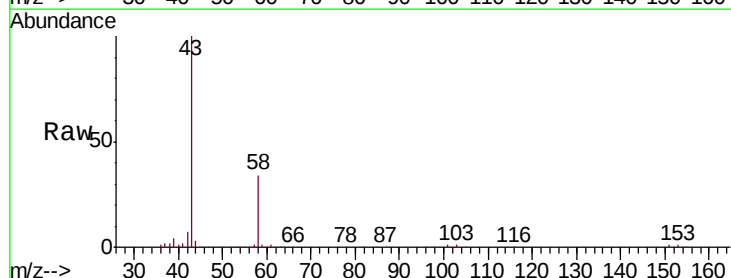
Acq: 29 Aug 2019 14:54

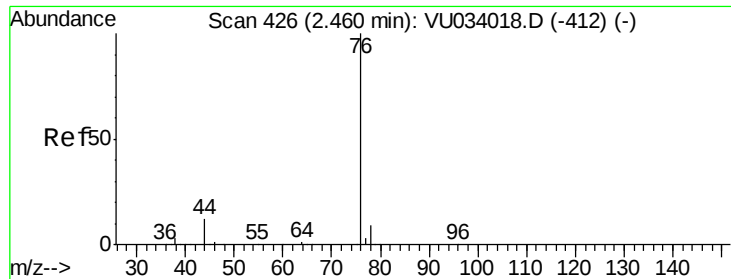
Tgt Ion: 43 Resp: 252522

Ion Ratio Lower Upper

43 100

58 34.4 26.8 40.2

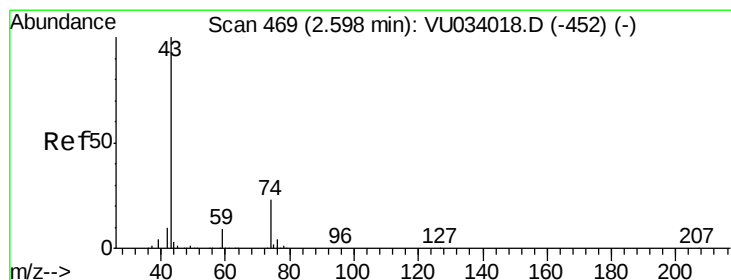
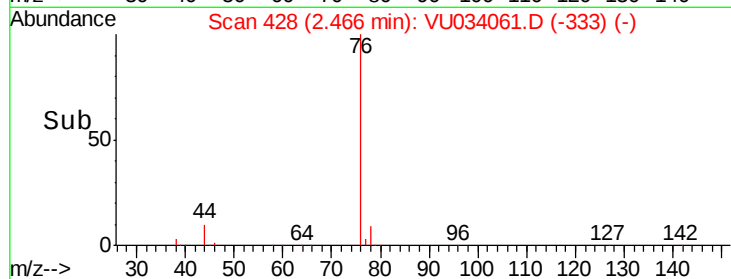
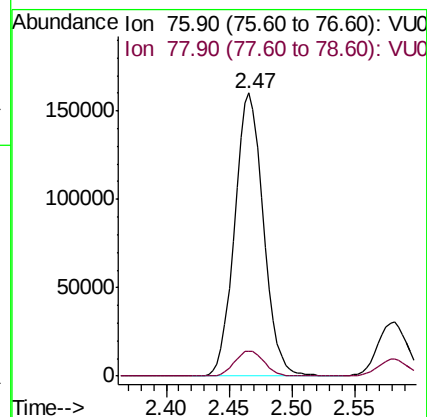
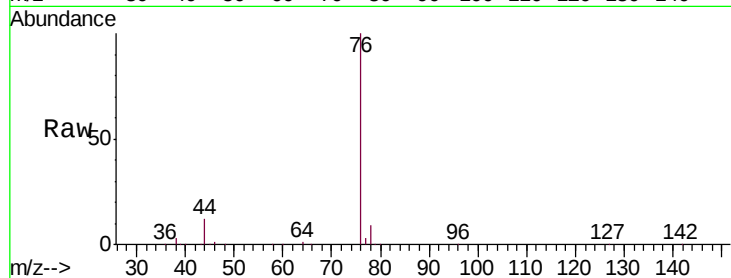




#17
Carbon Disulfide
Concen: 19.014 ug/l
RT: 2.47 min Scan# 428
Delta R.T. 0.01 min
Lab File: VU034061.D
Acq: 29 Aug 2019 14:54

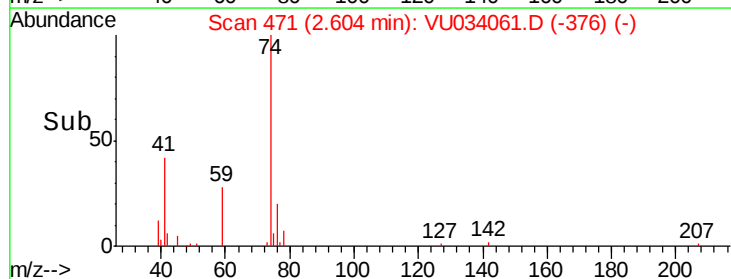
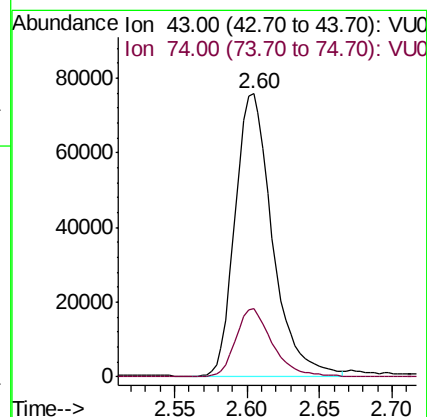
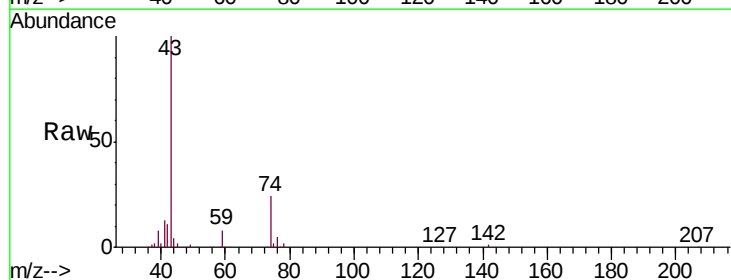
Instrument :
MSVOA_U
ClientSampleId :

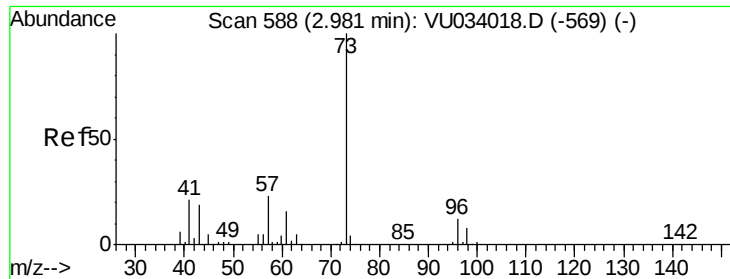
Tot Ion: 76 Resp: 255696
Ion Ratio Lower Upper
76 100
78 9.0 7.1 10.7



#18
Methyl Acetate
Concen: 18.893 ug/l
RT: 2.60 min Scan# 471
Delta R.T. 0.01 min
Lab File: VU034061.D
Acq: 29 Aug 2019 14:54

Tgt Ion: 43 Resp: 135478
Ion Ratio Lower Upper
43 100
74 24.1 19.2 28.8

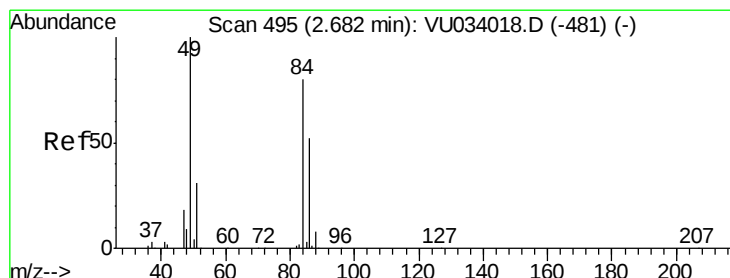
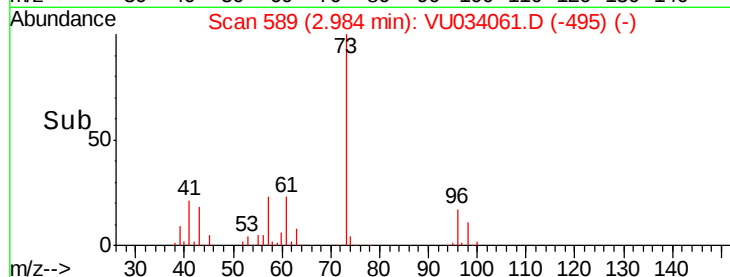
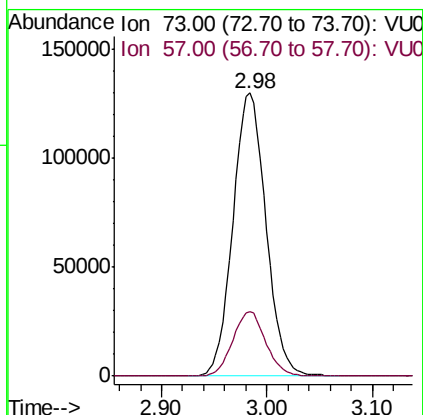
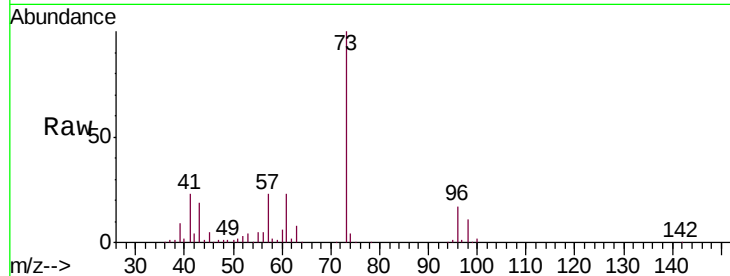




#19
Methvl tert-butvl Ether
Concen: 20.293 ug/l
RT: 2.98 min Scan# 589
Delta R.T. 0.00 min
Lab File: VU034061.D
Acq: 29 Aug 2019 14:54

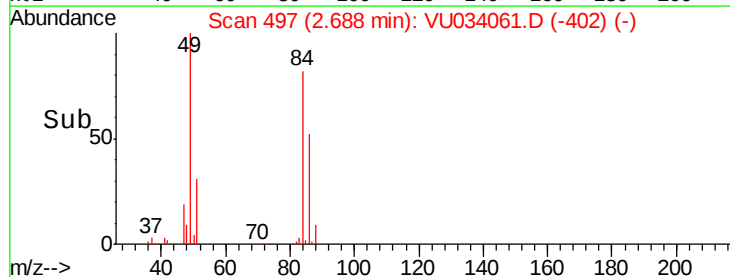
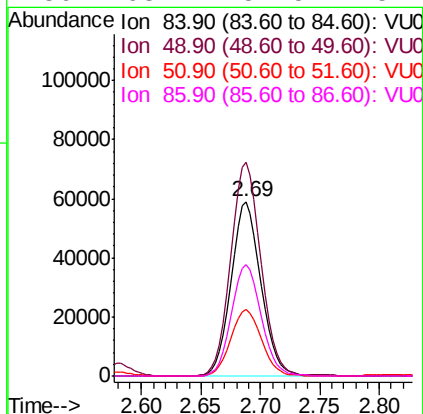
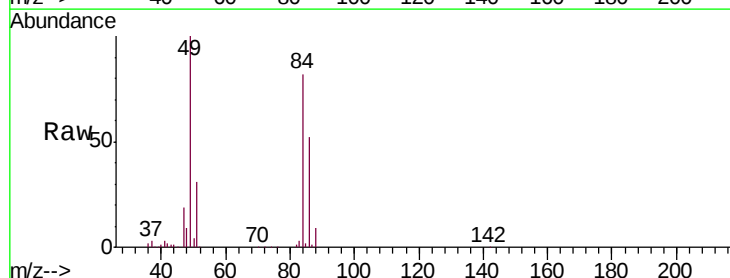
Instrument :
MSVOA_U
ClientSampled :

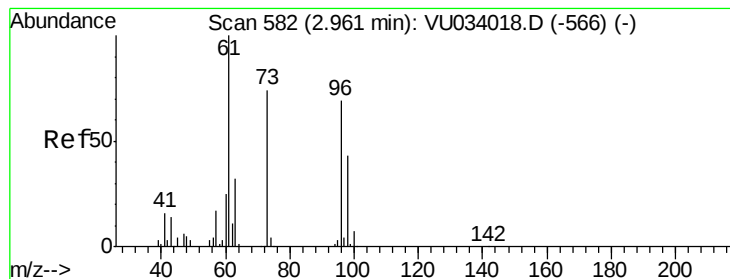
Tot Ion: 73 Resp: 282503
Ion Ratio Lower Upper
73 100
57 22.8 18.3 27.5



#20
Methylene Chloride
Concen: 19.562 ug/l
RT: 2.69 min Scan# 497
Delta R.T. 0.01 min
Lab File: VU034061.D
Acq: 29 Aug 2019 14:54

Tgt Ion: 84 Resp: 102764
Ion Ratio Lower Upper
84 100
49 122.3 100.2 150.4
51 38.0 30.8 46.2
86 63.7 52.5 78.7





#21

trans-1,2-Dichloroethene

Concen: 20.092 ug/l

RT: 2.97 min Scan# 584

Delta R.T. 0.01 min

Lab File: VU034061.D

Acq: 29 Aug 2019 14:54

Instrument :
MSVOA_U
ClientSampleId :

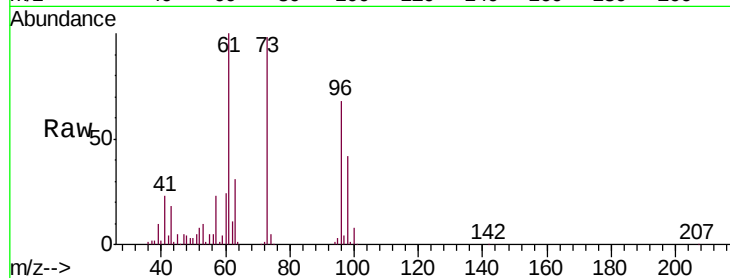
Tot Ion: 96 Resp: 92649

Ion Ratio Lower Upper

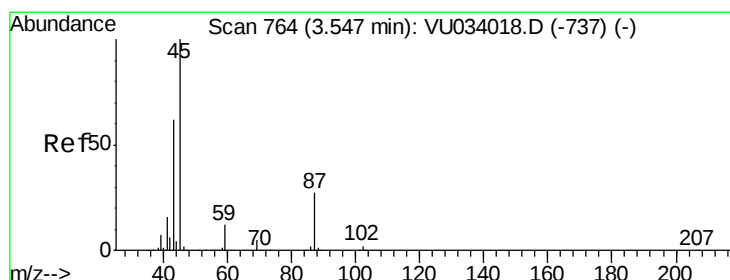
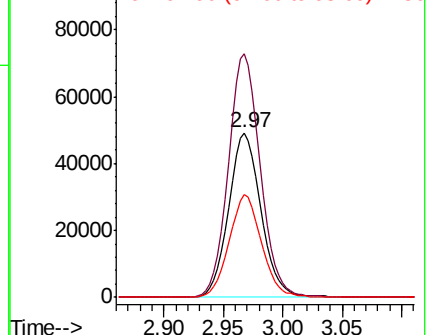
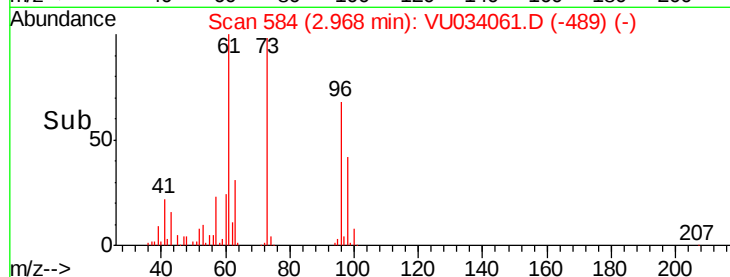
96 100

61 148.1 115.5 173.3

98 62.2 50.1 75.1



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



#22

Diisopropyl ether

Concen: 20.776 ug/l

RT: 3.55 min Scan# 765

Delta R.T. 0.00 min

Lab File: VU034061.D

Acq: 29 Aug 2019 14:54

Tgt Ion: 45 Resp: 304124

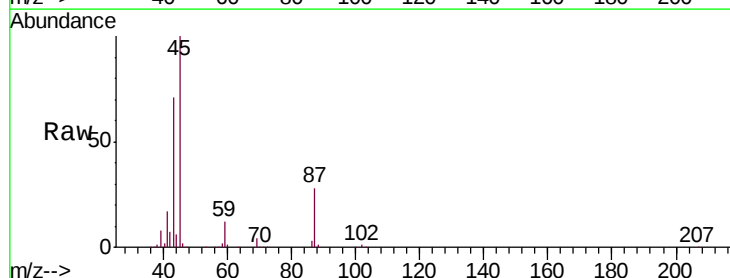
Ion Ratio Lower Upper

45 100

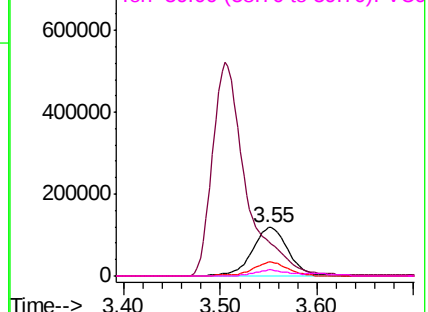
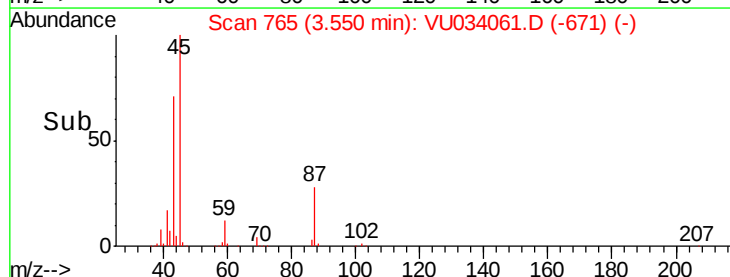
43 70.3 49.7 74.5

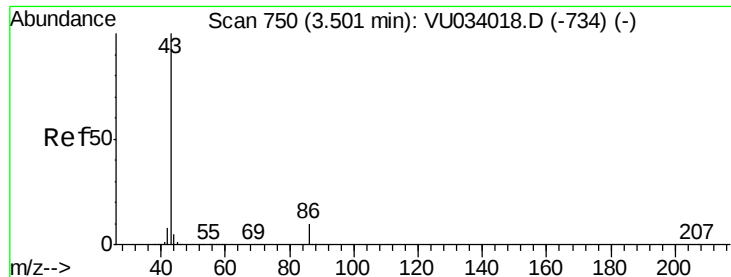
87 28.2 21.8 32.8

59 12.1 9.3 13.9



Abundance Ion 45.00 (44.70 to 45.70): VU0
Ion 43.00 (42.70 to 43.70): VU0
Ion 87.00 (86.70 to 87.70): VU0
Ion 59.00 (58.70 to 59.70): VU0





#23

Vinyl Acetate

Concen: 101.151 ug/l

RT: 3.50 min Scan# 751

Delta R.T. 0.00 min

Lab File: VU034061.D

Acq: 29 Aug 2019 14:54

Instrument :

MSVOA_U

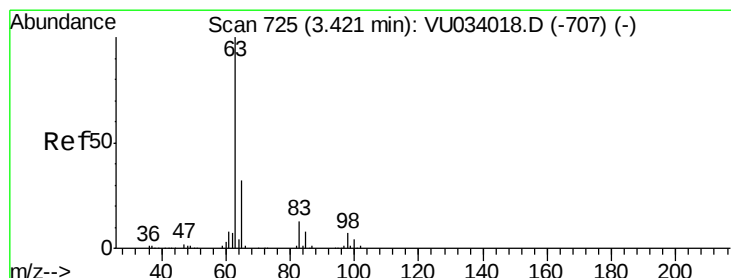
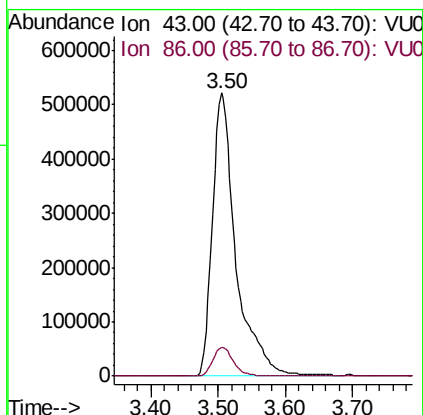
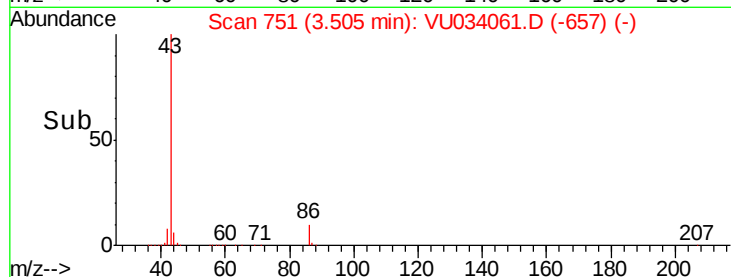
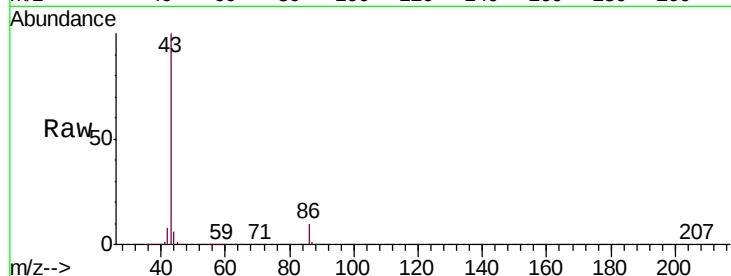
ClientSampleId :

Tot Ion: 43 Resp: 1271971

Ion Ratio Lower Upper

43 100

86 10.3 8.3 12.5



#24

1,1-Dichloroethane

Concen: 20.499 ug/l

RT: 3.43 min Scan# 727

Delta R.T. 0.01 min

Lab File: VU034061.D

Acq: 29 Aug 2019 14:54

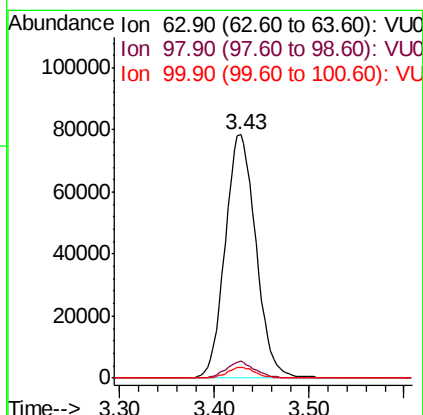
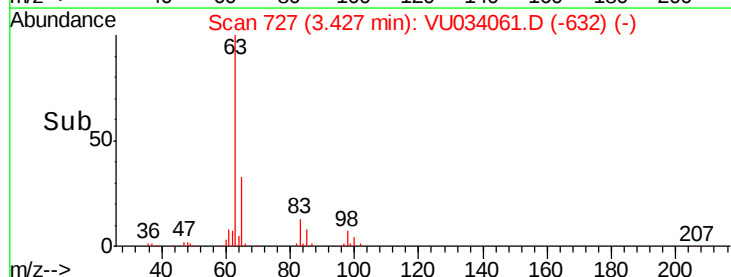
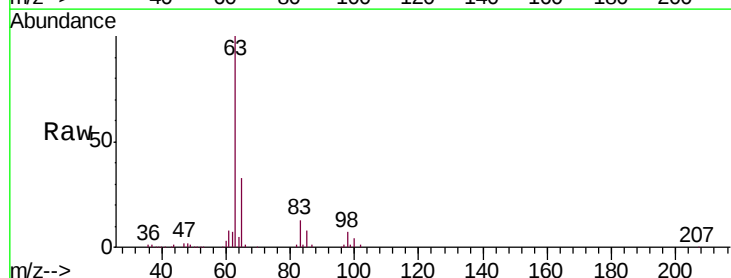
Tgt Ion: 63 Resp: 177165

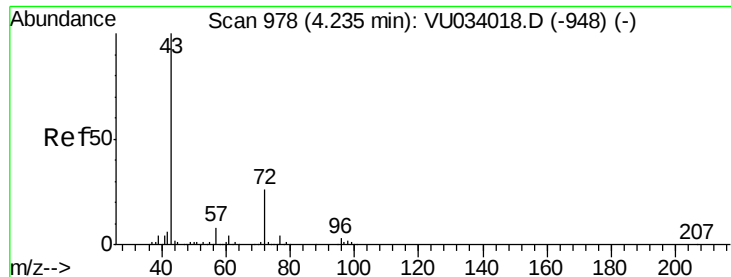
Ion Ratio Lower Upper

63 100

98 6.8 3.3 9.8

100 4.3 2.0 6.0





#25

2-Butanone

Concen: 99.178 ug/l

RT: 4.24 min Scan# 979

Delta R.T. 0.00 min

Lab File: VU034061.D

Acq: 29 Aug 2019 14:54

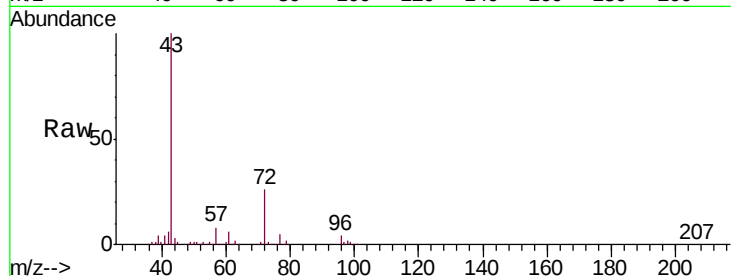
Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 43 Resp: 382881

Ion Ratio Lower Upper

43 100

72 26.2 21.2 31.8



Abundance Ion 43.00 (42.70 to 43.70): VU034061.D (-885) (-)

Ion 72.00 (71.70 to 72.70): VU034061.D (-885) (-)

150000

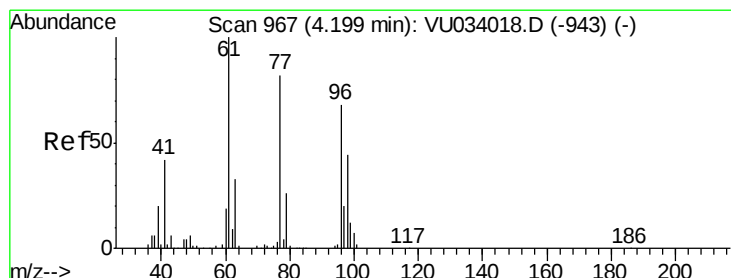
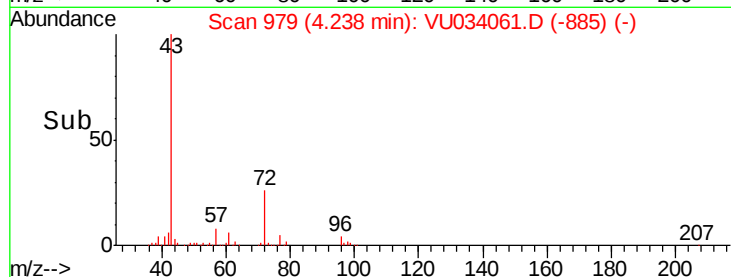
100000

50000

0

4.10 4.20 4.30

Time-->



#26

2,2-Dichloropropane

Concen: 18.488 ug/l

RT: 4.20 min Scan# 968

Delta R.T. 0.00 min

Lab File: VU034061.D

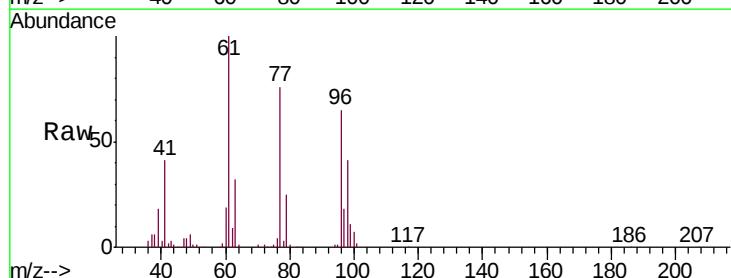
Acq: 29 Aug 2019 14:54

Tgt Ion: 77 Resp: 130015

Ion Ratio Lower Upper

77 100

97 24.0 11.6 34.7



Abundance Ion 76.90 (76.60 to 77.60): VU034061.D (-874) (-)

Ion 96.90 (96.60 to 97.60): VU034061.D (-874) (-)

50000

40000

30000

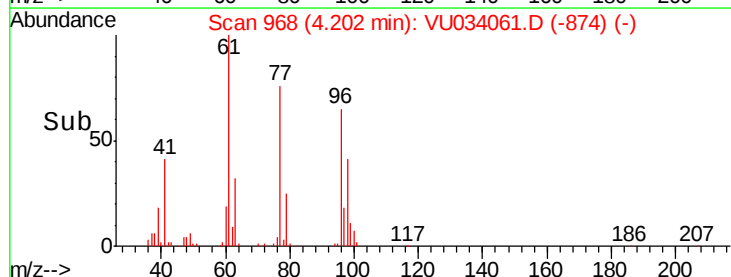
20000

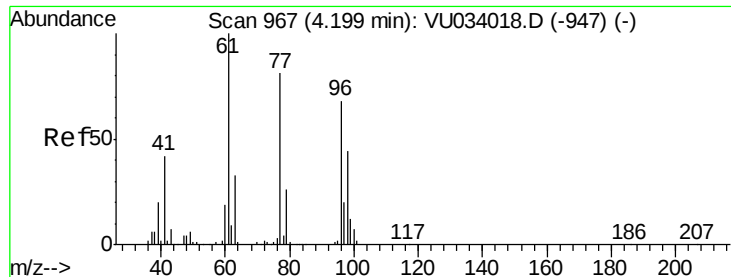
10000

0

4.10 4.20 4.30

Time-->



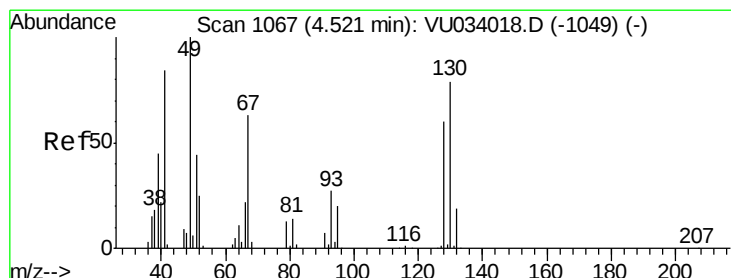
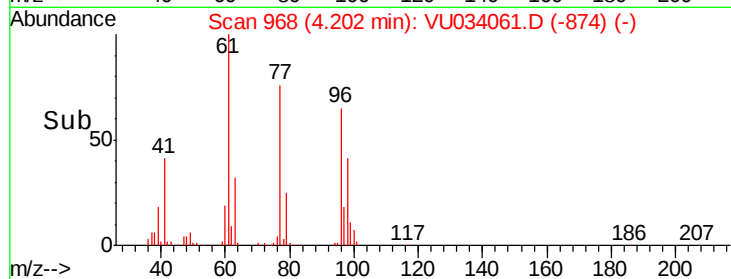
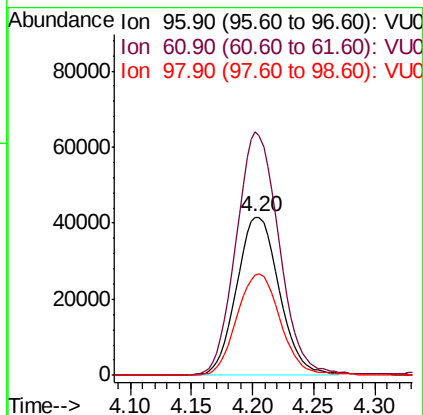
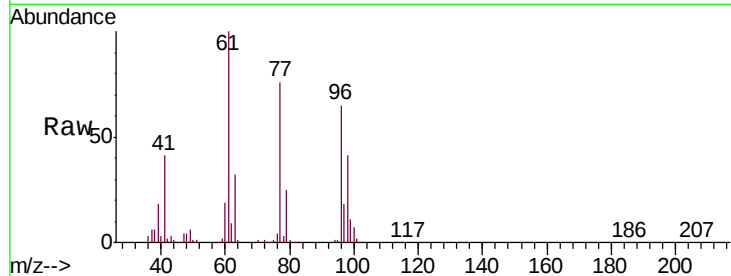


#27

cis-1,2-Dichloroethene
 Concen: 19.508 ug/l
 RT: 4.20 min Scan# 968
 Delta R.T. 0.00 min
 Lab File: VU034061.D
 Acq: 29 Aug 2019 14:54

Instrument :
 MSVOA_U
 ClientSampleId :

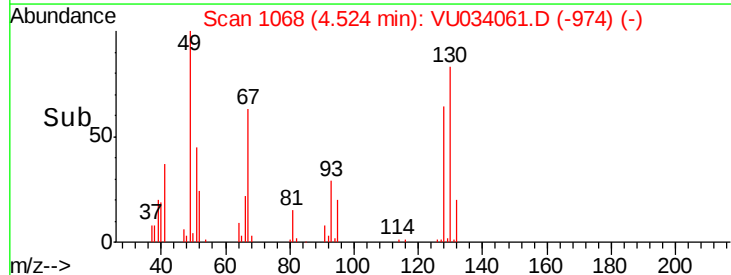
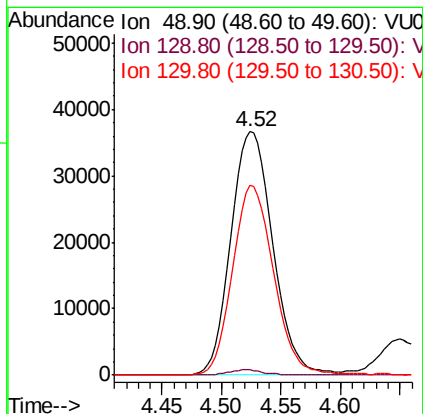
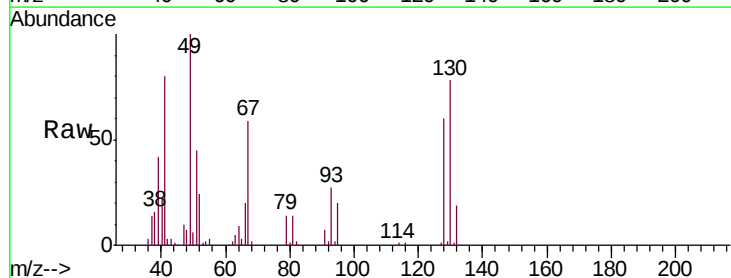
Tot Ion	96	Resp	100968
Ion	Ratio	Lower	Upper
96	100		
61	155.5	0.0	303.0
98	65.4	0.0	129.2

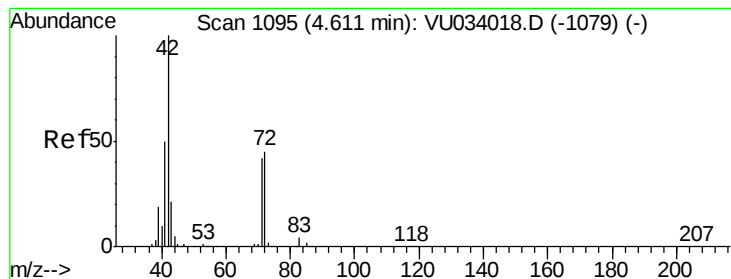


#28

Bromochloromethane
 Concen: 21.077 ug/l
 RT: 4.52 min Scan# 1068
 Delta R.T. 0.00 min
 Lab File: VU034061.D
 Acq: 29 Aug 2019 14:54

Tgt Ion	49	Resp	89744
Ion	Ratio	Lower	Upper
49	100		
129	1.9	0.0	3.6
130	76.0	62.8	94.2





#29

Tetrahydrofuran

Concen: 104.741 ug/l

RT: 4.61 min Scan# 1096

Delta R.T. 0.00 min

Lab File: VU034061.D

Acq: 29 Aug 2019 14:54

Instrument :

MSVOA_U

ClientSampleId :

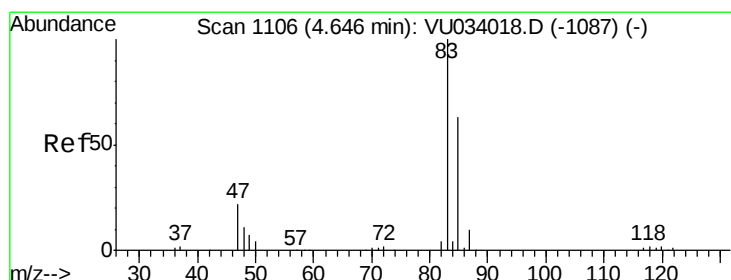
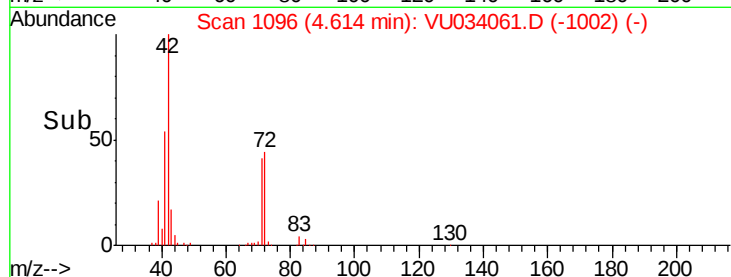
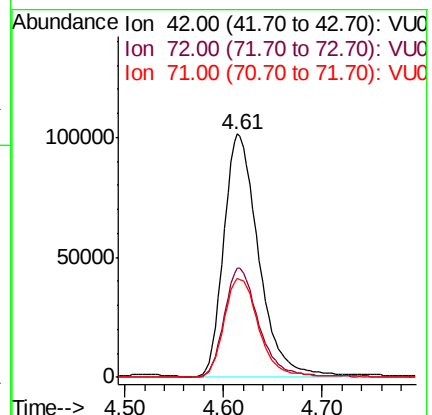
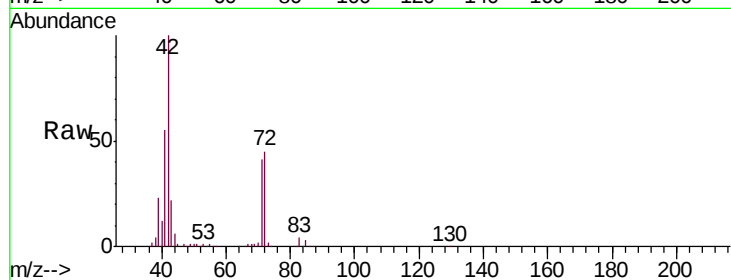
Tot Ion: 42 Resp: 249367

Ion Ratio Lower Upper

42 100

72 44.9 35.8 53.6

71 41.1 34.0 51.0



#30

Chloroform

Concen: 19.954 ug/l

RT: 4.65 min Scan# 1108

Delta R.T. 0.01 min

Lab File: VU034061.D

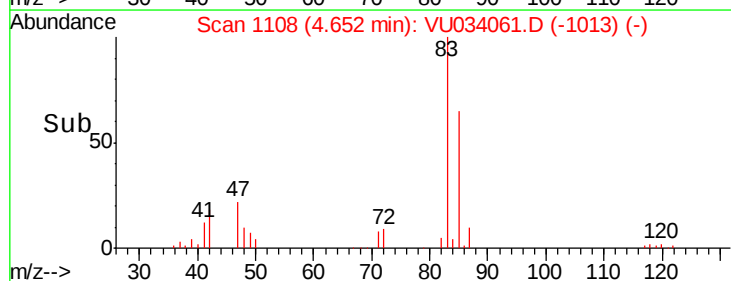
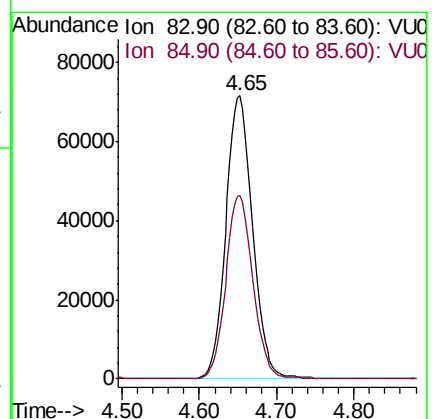
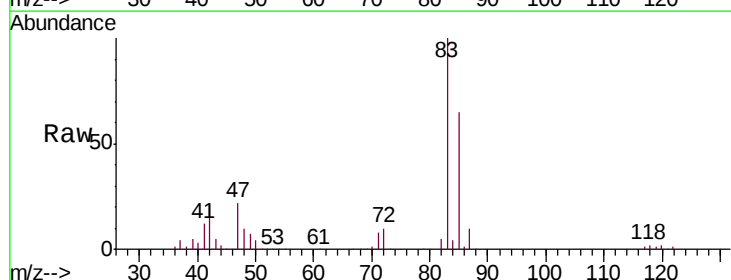
Acq: 29 Aug 2019 14:54

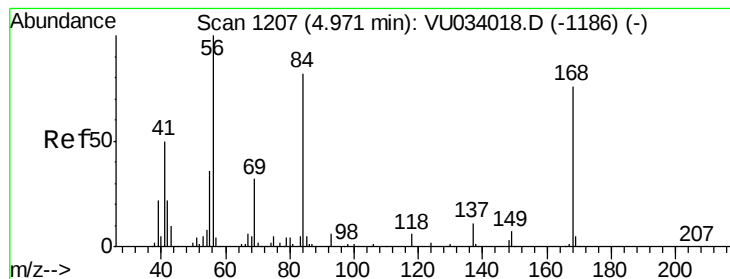
Tgt Ion: 83 Resp: 172062

Ion Ratio Lower Upper

83 100

85 64.8 50.7 76.1





#31

Cyclohexane

Concen: 19.363 ug/l

RT: 4.97 min Scan# 1208

Delta R.T. 0.00 min

Lab File: VU034061.D

Acq: 29 Aug 2019 14:54

Instrument :
MSVOA_U
ClientSampleId :

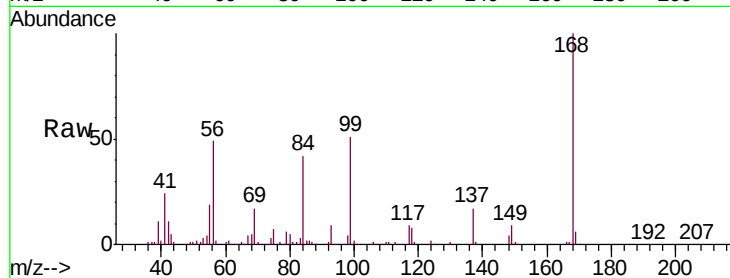
Tot Ion: 56 Resp: 157243

Ion Ratio Lower Upper

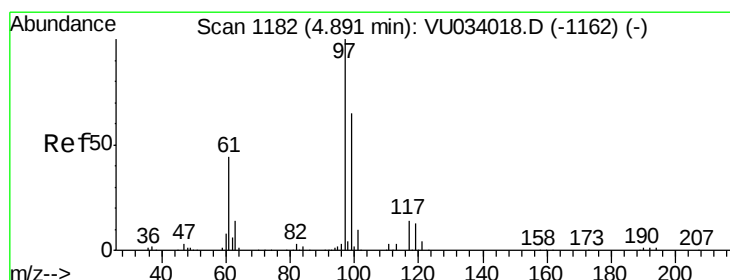
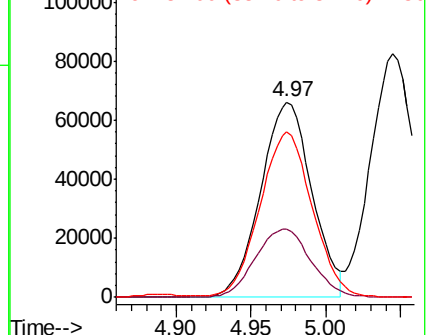
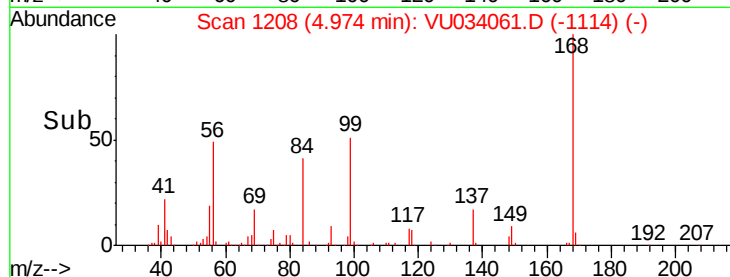
56 100

69 35.0 25.4 38.0

84 84.0 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: 19.929 ug/l

RT: 4.89 min Scan# 1183

Delta R.T. 0.00 min

Lab File: VU034061.D

Acq: 29 Aug 2019 14:54

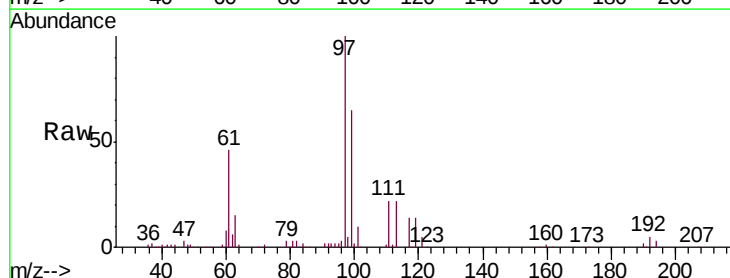
Tgt Ion: 97 Resp: 140743

Ion Ratio Lower Upper

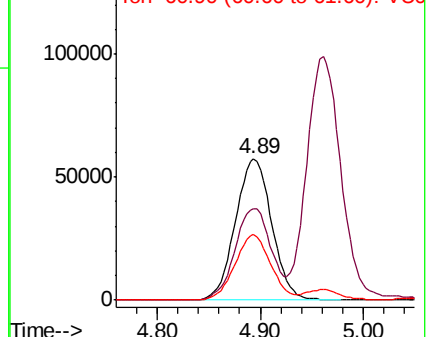
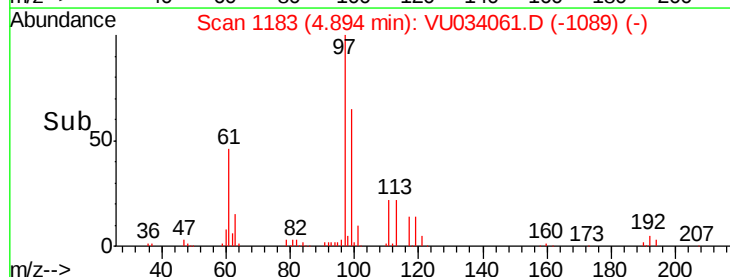
97 100

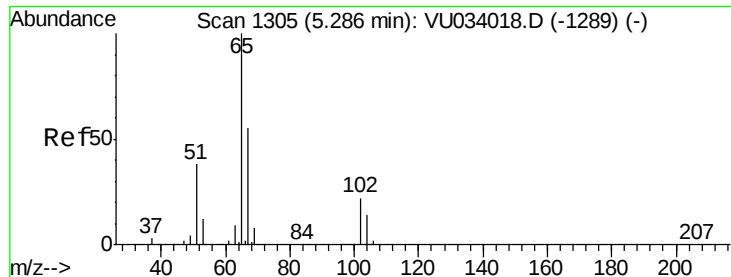
99 65.2 51.8 77.6

61 45.6 35.3 52.9



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





#33

1,2-Dichloroethane-d4

Concen: 50.470 ug/l

RT: 5.29 min Scan# 1305

Delta R.T. -0.00 min

Lab File: VU034061.D

Acq: 29 Aug 2019 14:54

Instrument :

MSVOA_U

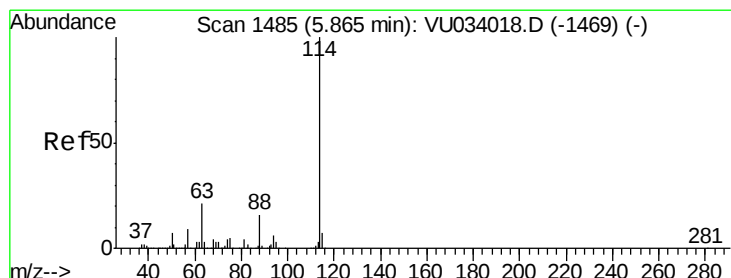
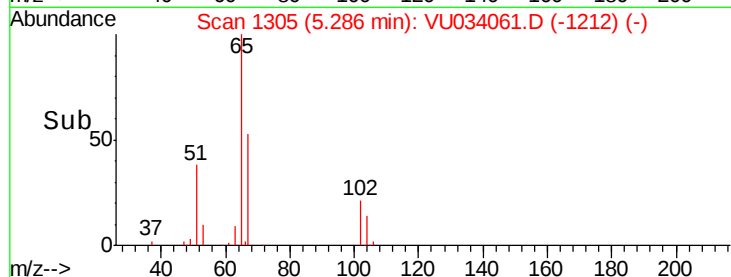
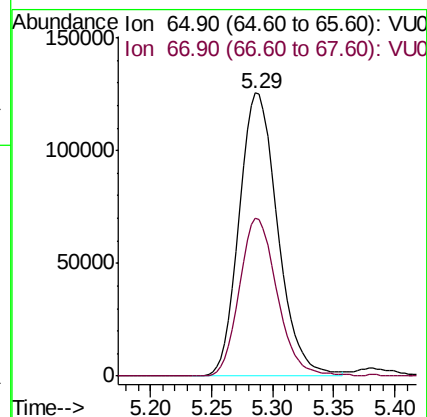
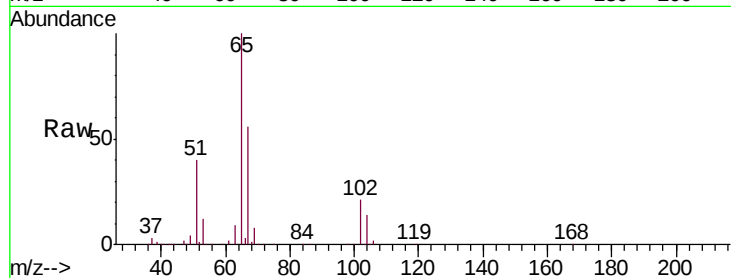
ClientSampleId :

Tot Ion: 65 Resp: 274468

Ion Ratio Lower Upper

65 100

67 54.8 0.0 110.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.86 min Scan# 1485

Delta R.T. -0.00 min

Lab File: VU034061.D

Acq: 29 Aug 2019 14:54

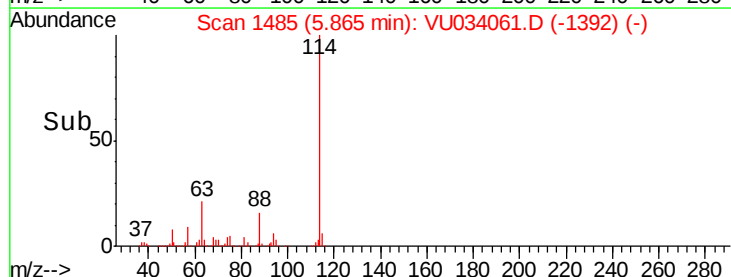
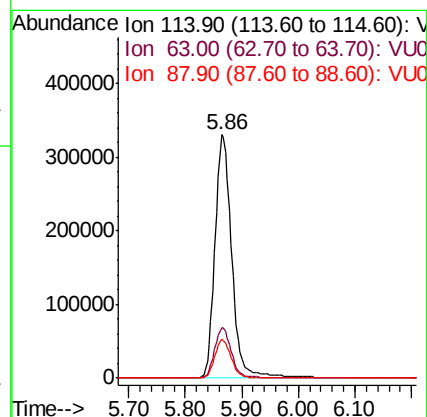
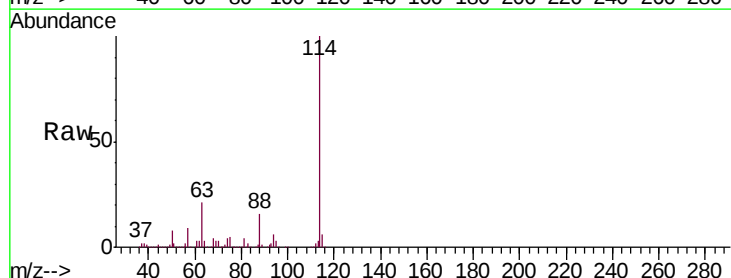
Tgt Ion: 114 Resp: 682727

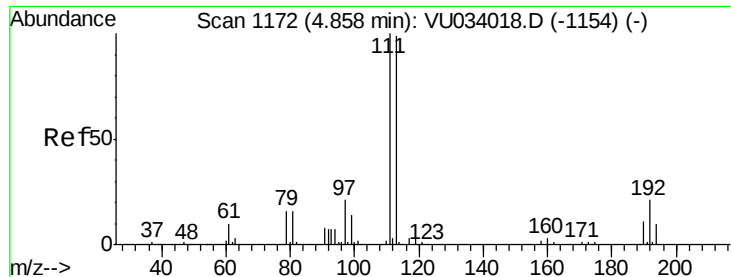
Ion Ratio Lower Upper

114 100

63 20.8 0.0 42.0

88 16.0 0.0 32.0

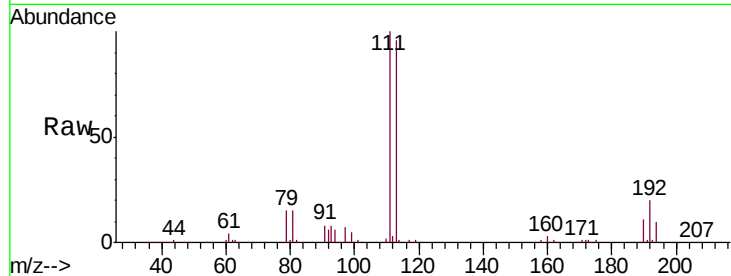




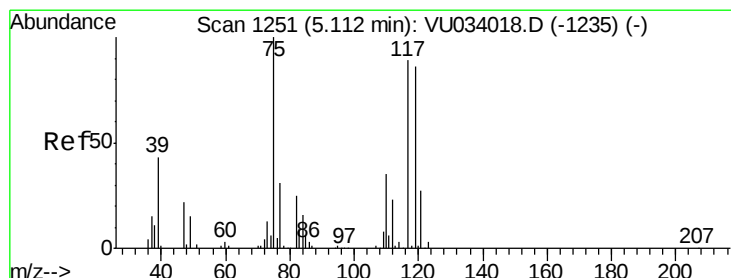
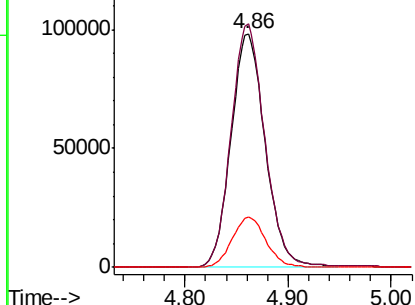
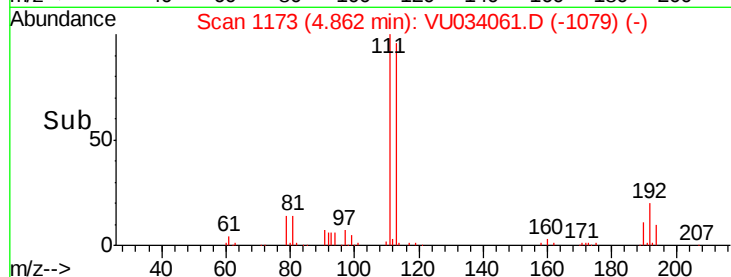
#35
 Dibromofluoromethane
 Concen: 48.008 ug/l
 RT: 4.86 min Scan# 1173
 Delta R.T. 0.00 min
 Lab File: VU034061.D
 Acq: 29 Aug 2019 14:54

Instrument :
 MSVOA_U
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
113	100		
111	103.0	81.7	122.5
192	21.3	17.1	25.7

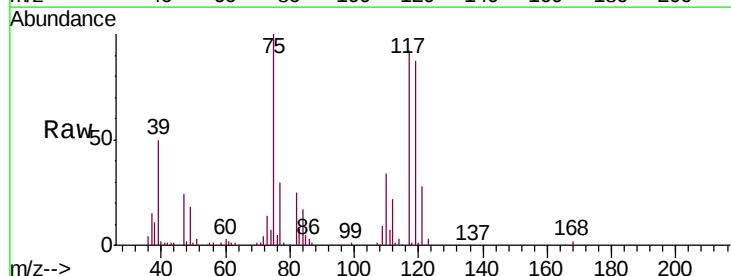


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

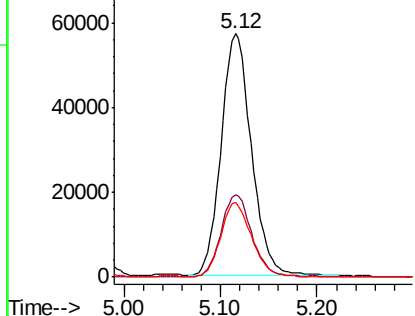
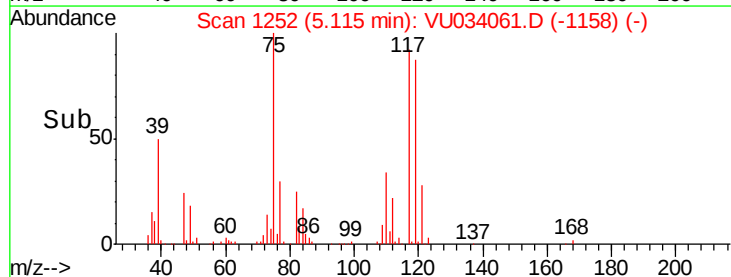


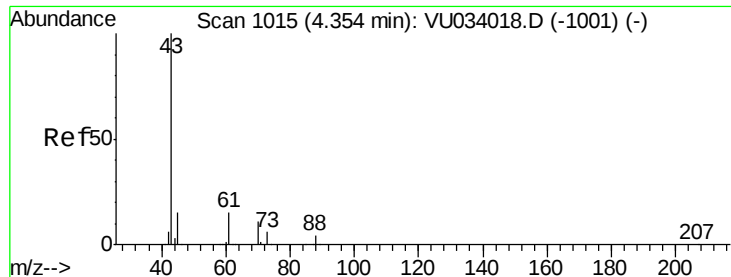
#36
 1,1-Dichloropropene
 Concen: 19.229 ug/l
 RT: 5.12 min Scan# 1252
 Delta R.T. 0.00 min
 Lab File: VU034061.D
 Acq: 29 Aug 2019 14:54

Tgt Ion	Ratio	Lower	Upper
75	100		
110	34.8	17.8	53.5
77	31.6	25.0	37.4



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

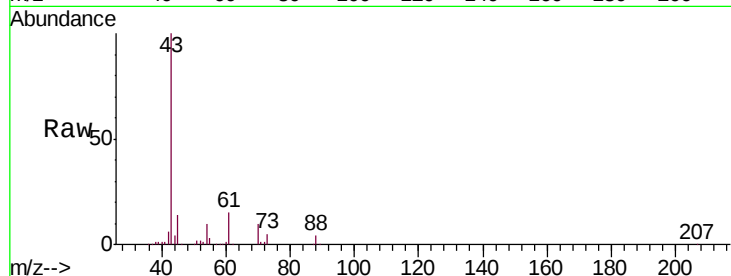




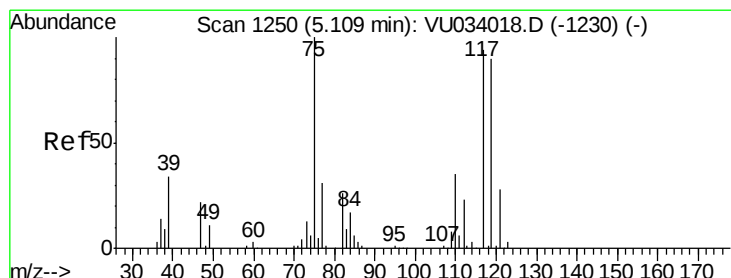
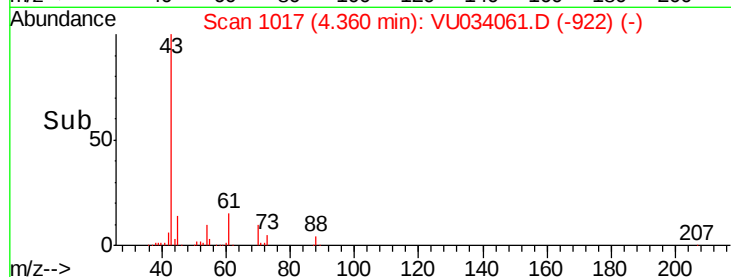
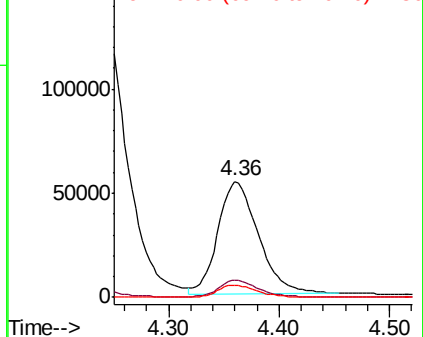
#37
Ethyl Acetate
Concen: 19.333 ug/l
RT: 4.36 min Scan# 1017
Delta R.T. 0.01 min
Lab File: VU034061.D
Acq: 29 Aug 2019 14:54

Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 43 Resp: 139808
Ion Ratio Lower Upper
43 100
61 13.9 11.5 17.3
70 10.7 8.6 12.8

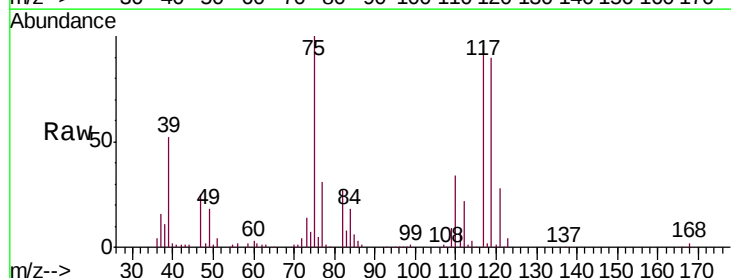


Abundance Ion 43.00 (42.70 to 43.70): VU0
Ion 60.90 (60.60 to 61.60): VU0
Ion 70.00 (69.70 to 70.70): VU0

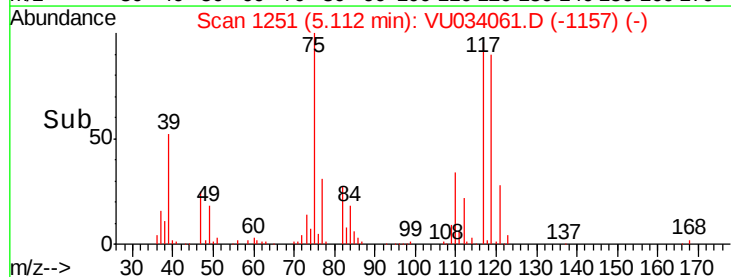
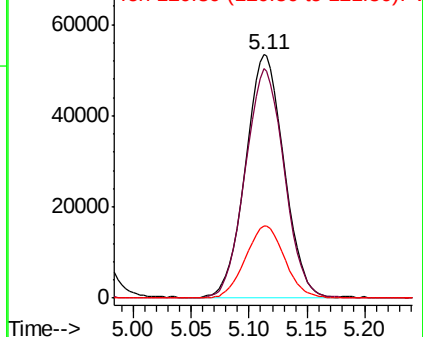


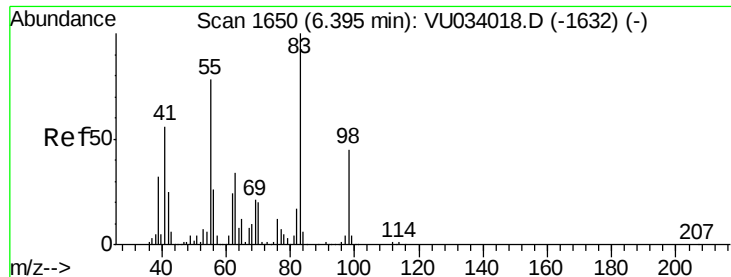
#38
Carbon Tetrachloride
Concen: 19.753 ug/l
RT: 5.11 min Scan# 1251
Delta R.T. 0.00 min
Lab File: VU034061.D
Acq: 29 Aug 2019 14:54

Tgt Ion: 117 Resp: 123129
Ion Ratio Lower Upper
117 100
119 94.3 77.0 115.4
121 29.7 23.9 35.9



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

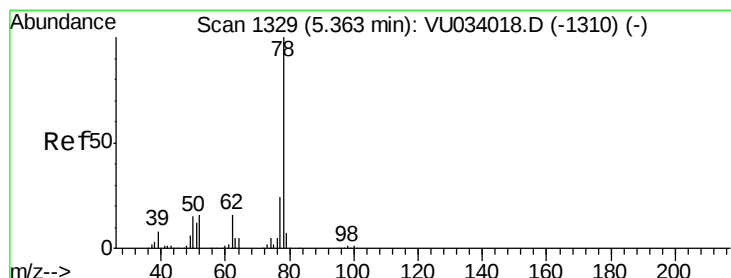
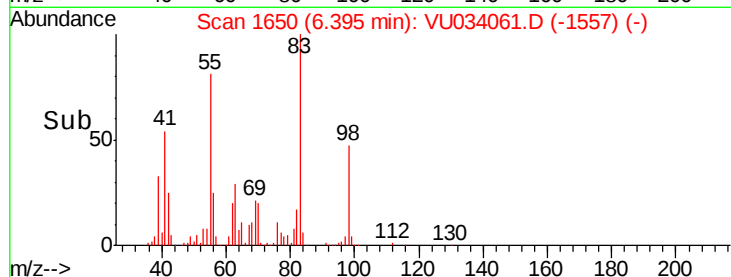
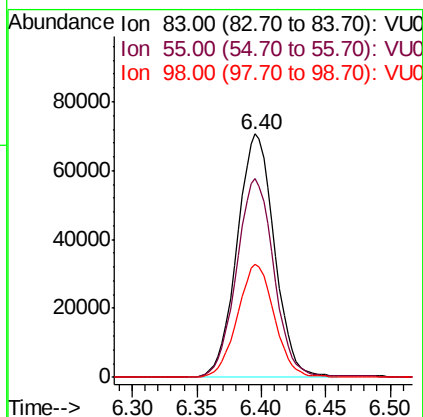
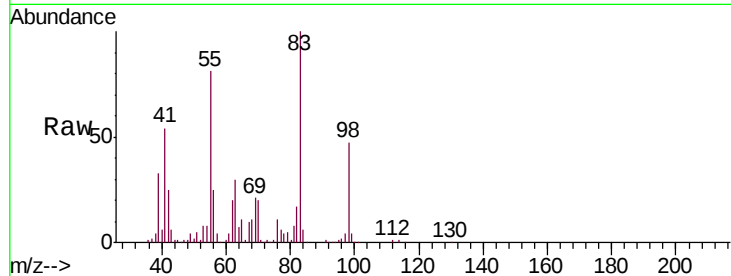




#39
Methvlcvclohexane
Concen: 18.693 ug/l
RT: 6.40 min Scan# 1650
Delta R.T. -0.00 min
Lab File: VU034061.D
Acq: 29 Aug 2019 14:54

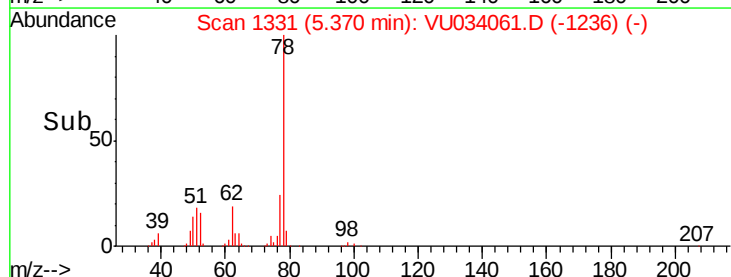
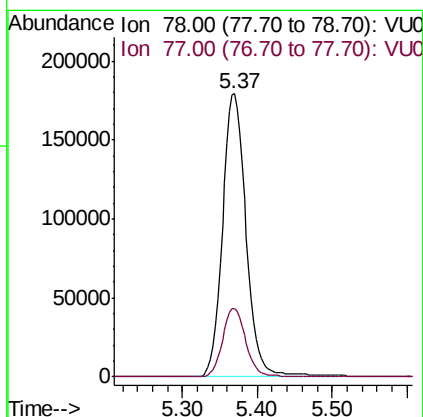
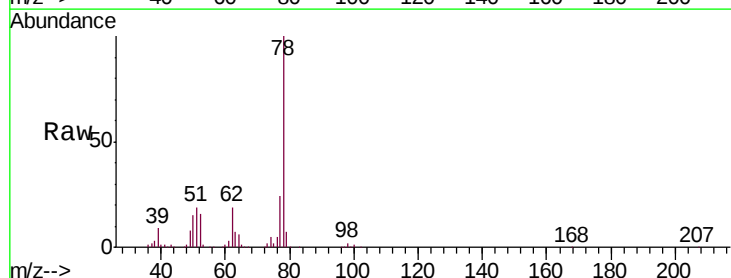
Instrument :
MSVOA_U
ClientSampled :

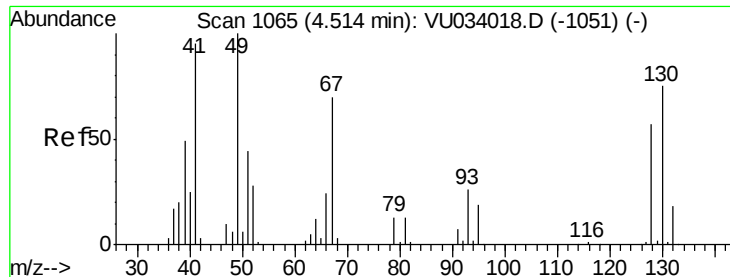
Tot Ion: 83 Resp: 142276
Ion Ratio Lower Upper
83 100
55 81.4 62.3 93.5
98 46.5 36.2 54.2



#40
Benzene
Concen: 19.987 ug/l
RT: 5.37 min Scan# 1331
Delta R.T. 0.01 min
Lab File: VU034061.D
Acq: 29 Aug 2019 14:54

Tgt Ion: 78 Resp: 390505
Ion Ratio Lower Upper
78 100
77 24.3 19.0 28.6

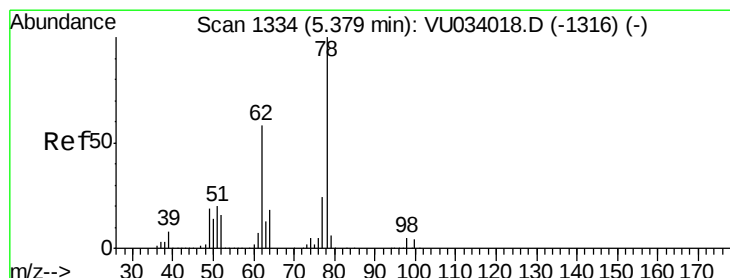
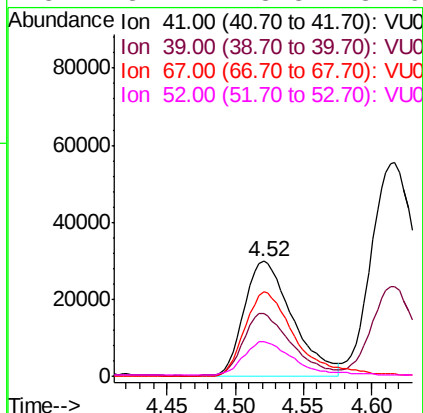
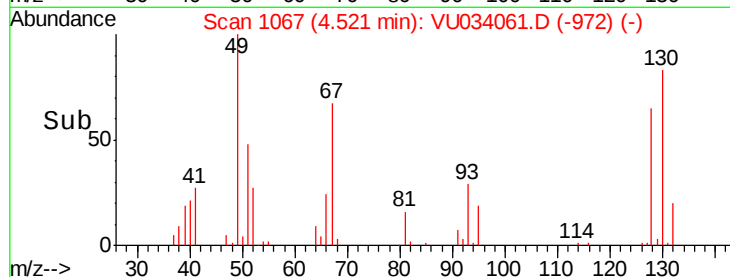
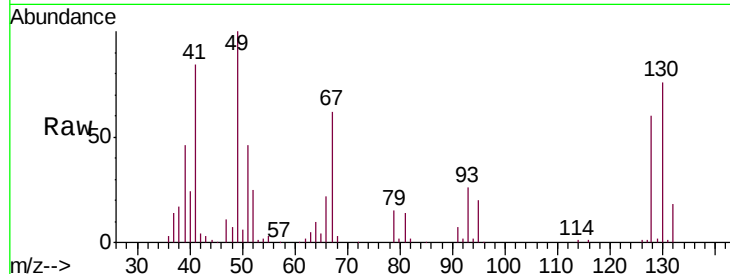




#41
Methacrylonitrile
Concen: 19.759 ug/l
RT: 4.52 min Scan# 1067
Delta R.T. 0.01 min
Lab File: VU034061.D
Acq: 29 Aug 2019 14:54

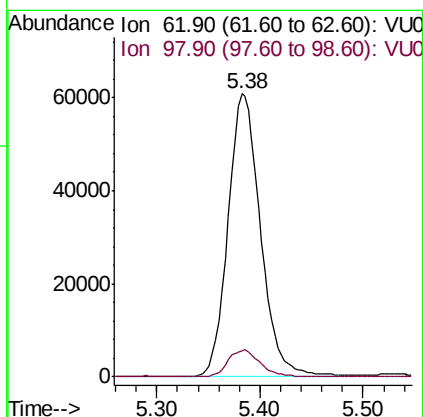
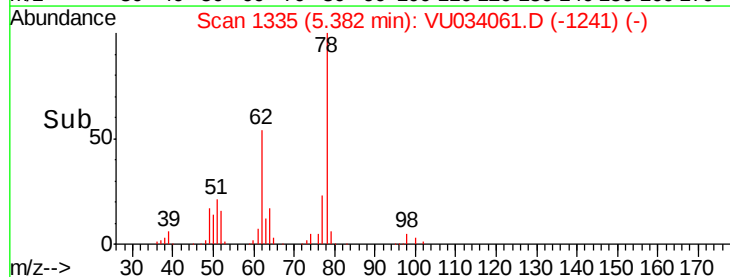
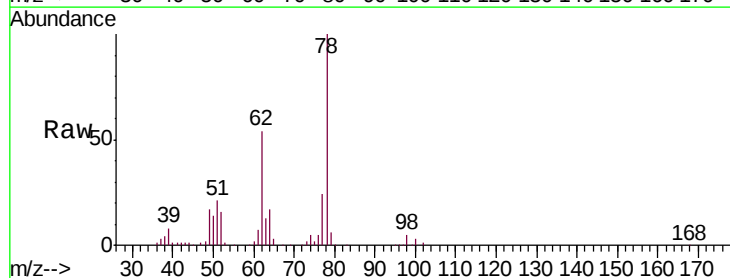
Instrument :
MSVOA_U
ClientSampleId :

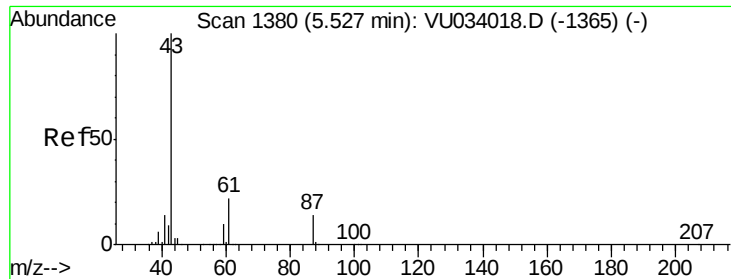
Tot Ion: 41 Resp: 73281
Ion Ratio Lower Upper
41 100
39 53.5 42.1 63.1
67 77.2 61.0 91.4
52 31.1 23.3 34.9



#42
1,2-Dichloroethane
Concen: 19.828 ug/l
RT: 5.38 min Scan# 1335
Delta R.T. 0.00 min
Lab File: VU034061.D
Acq: 29 Aug 2019 14:54

Tgt Ion: 62 Resp: 133777
Ion Ratio Lower Upper
62 100
98 9.5 0.0 18.2





#43

Isopropyl Acetate

Concen: 19.380 ug/l

RT: 5.53 min Scan# 1381

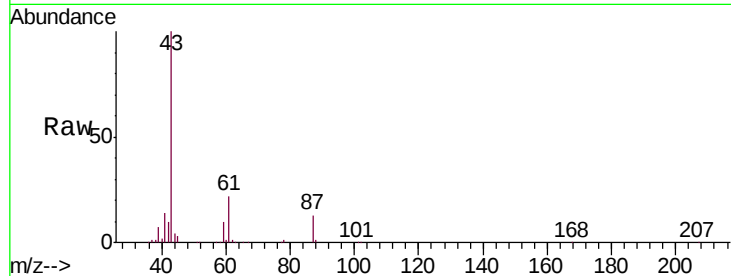
Delta R.T. 0.00 min

Lab File: VU034061.D

Acq: 29 Aug 2019 14:54

Instrument :
MSVOA_U
ClientSampled :

Tot Ion:	43	Resp:	213207
Ion	Ratio	Lower	Upper
43	100		
61	20.9	17.2	25.8
87	12.9	10.8	16.2

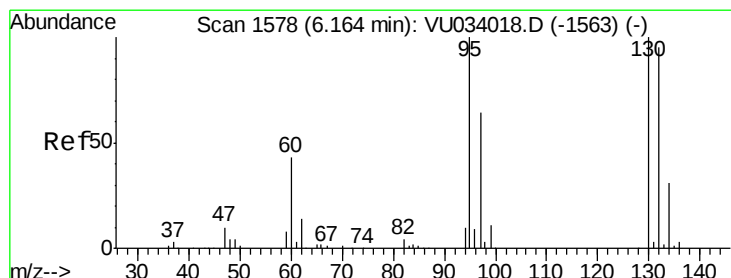
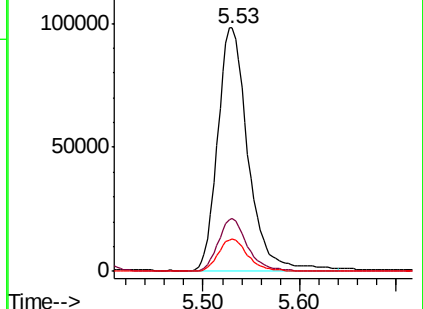
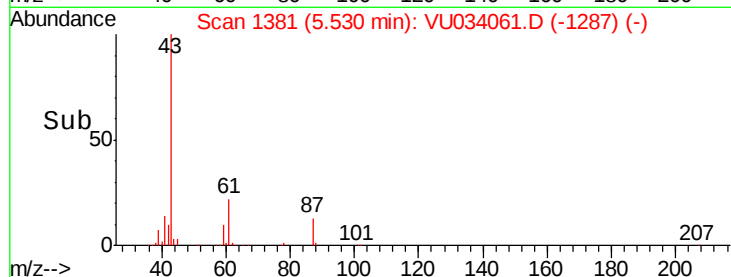


Abundance Ion 43.00 (42.70 to 43.70): VU034018.D (-1365) (-)

Ion 61.00 (60.70 to 61.70): VU034018.D (-1365) (-)

Ion 87.00 (86.70 to 87.70): VU034018.D (-1365) (-)

Time-->



#44

Trichloroethene

Concen: 20.191 ug/l

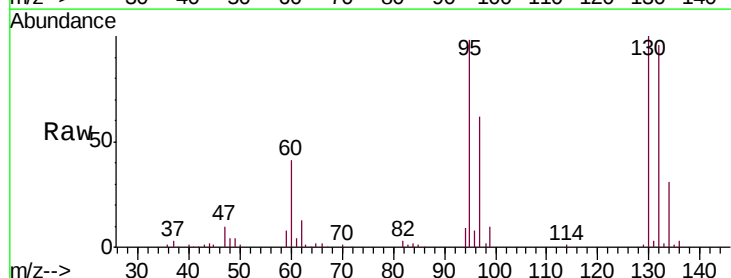
RT: 6.17 min Scan# 1579

Delta R.T. 0.00 min

Lab File: VU034061.D

Acq: 29 Aug 2019 14:54

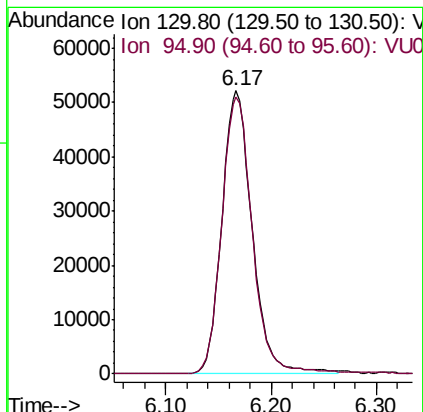
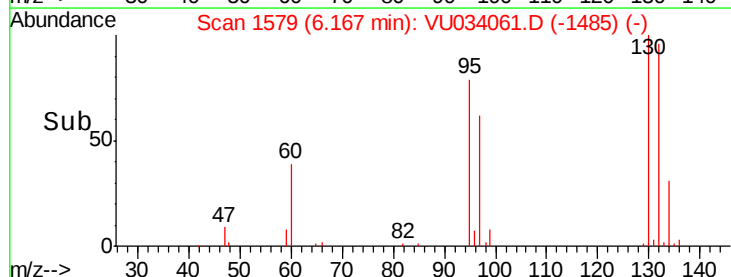
Tgt Ion:	130	Resp:	103596
Ion	Ratio	Lower	Upper
130	100		
95	97.9	0.0	199.6



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

Ion 94.90 (94.60 to 95.60): VU034018.D (-1563) (-)

Time-->





#45

1,2-Dichloropropane

Concen: 19.867 ug/l

RT: 6.41 min Scan# 1655

Delta R.T. -0.00 min

Lab File: VU034061.D

Acq: 29 Aug 2019 14:54

Instrument :

MSVOA_U

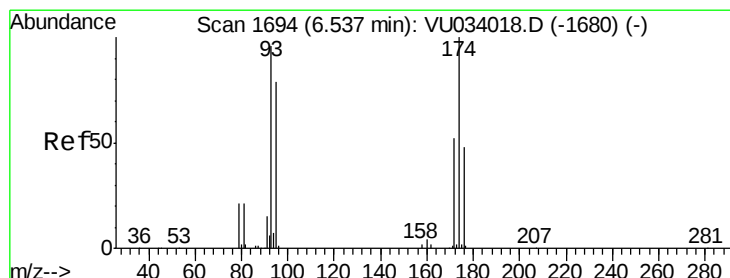
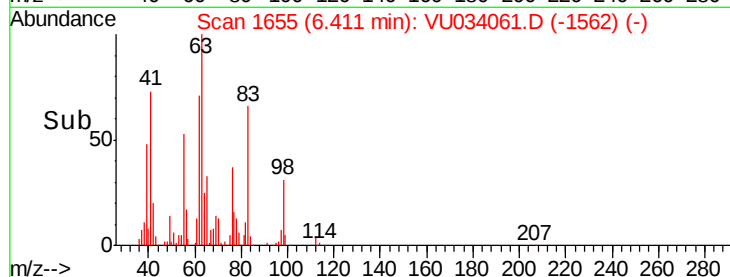
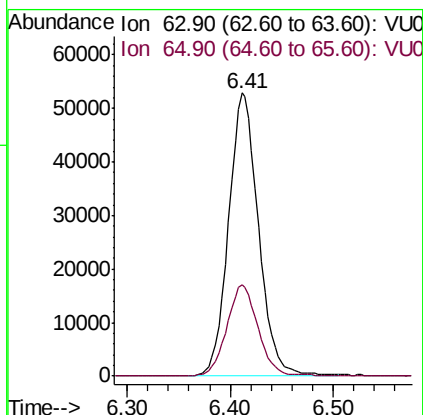
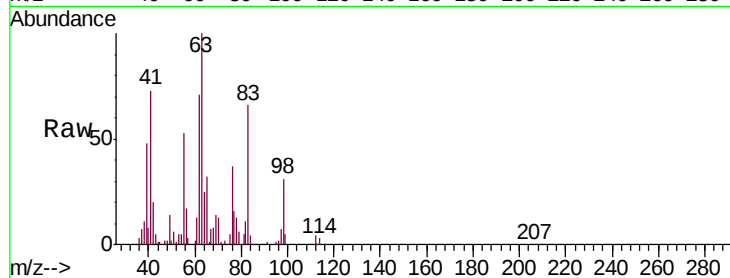
ClientSampleId :

Tot Ion: 63 Resp: 106854

Ion Ratio Lower Upper

63 100

65 32.5 25.4 38.2



#46

Dibromomethane

Concen: 20.208 ug/l

RT: 6.54 min Scan# 1695

Delta R.T. 0.00 min

Lab File: VU034061.D

Acq: 29 Aug 2019 14:54

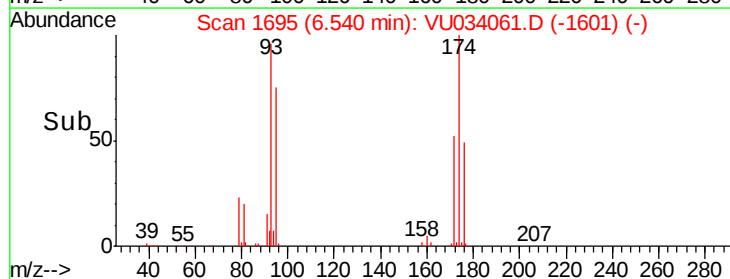
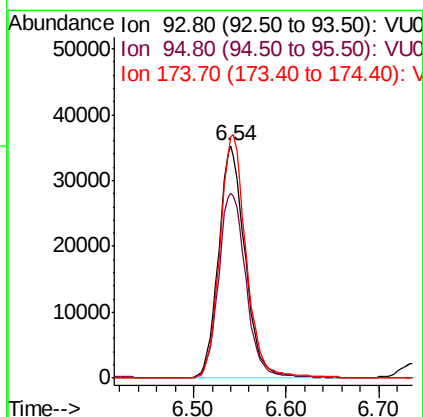
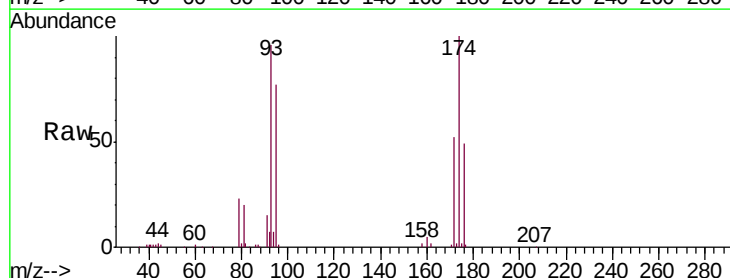
Tgt Ion: 93 Resp: 70023

Ion Ratio Lower Upper

93 100

95 82.2 66.7 100.1

174 102.7 84.9 127.3





#47

Bromodichloromethane

Concen: 19.646 ug/l

RT: 6.74 min Scan# 1756

Delta R.T. -0.00 min

Lab File: VU034061.D

Acq: 29 Aug 2019 14:54

Instrument :
MSVOA_U
ClientSampleId :

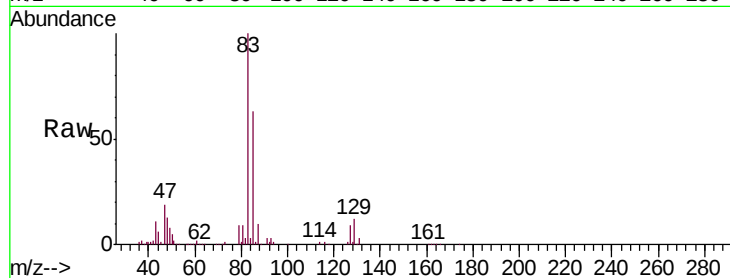
Tot Ion: 83 Resp: 133189

Ion Ratio Lower Upper

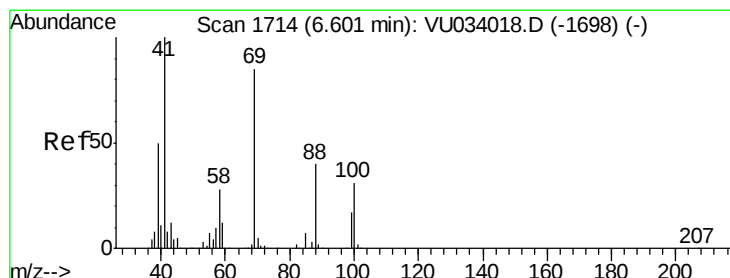
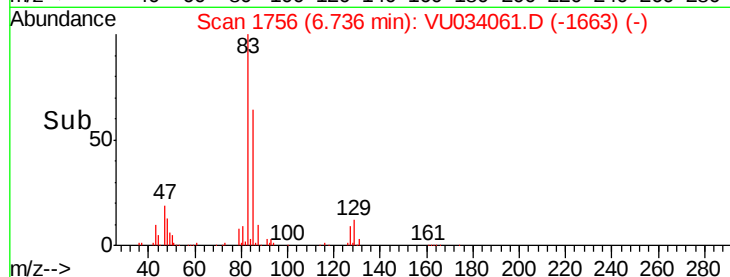
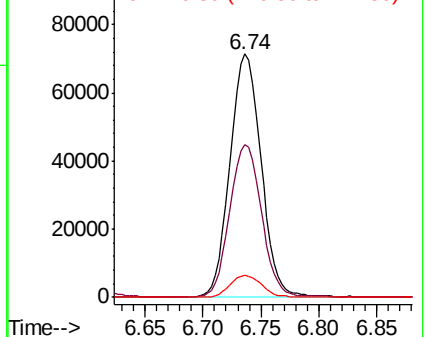
83 100

85 62.6 51.2 76.8

127 8.9 7.0 10.6



Abundance Ion 82.90 (82.60 to 83.60): VU0
Ion 84.90 (84.60 to 85.60): VU0
Ion 126.80 (126.50 to 127.50): V



#48

Methyl methacrylate

Concen: 18.440 ug/l

RT: 6.60 min Scan# 1715

Delta R.T. 0.00 min

Lab File: VU034061.D

Acq: 29 Aug 2019 14:54

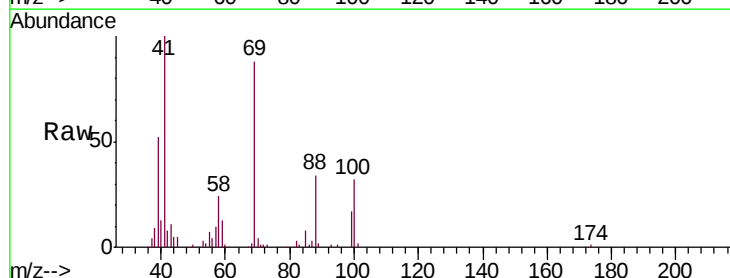
Tgt Ion: 41 Resp: 97897

Ion Ratio Lower Upper

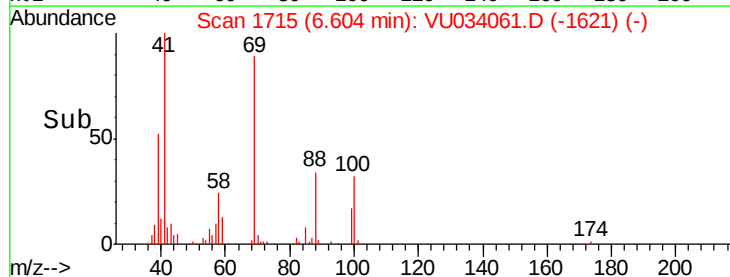
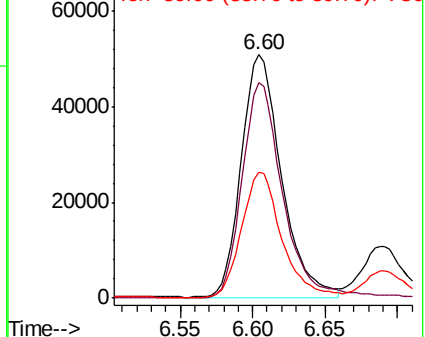
41 100

69 90.1 69.5 104.3

39 51.3 40.3 60.5



Abundance Ion 41.00 (40.70 to 41.70): VU0
Ion 69.00 (68.70 to 69.70): VU0
Ion 39.00 (38.70 to 39.70): VU0





#49

1,4-Dioxane

Concen: 334.379 ug/l

RT: 6.59 min Scan# 1712

Delta R.T. -0.00 min

Lab File: VU034061.D

Acq: 29 Aug 2019 14:54

Instrument :

MSVOA_U

ClientSampleId :

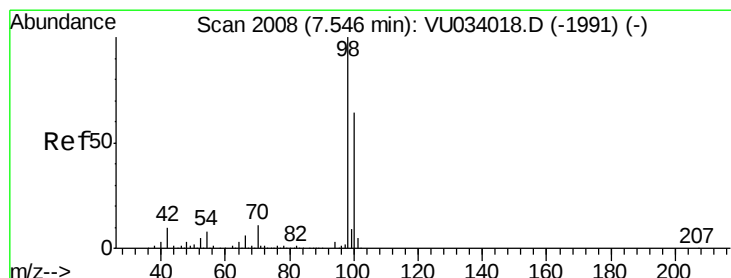
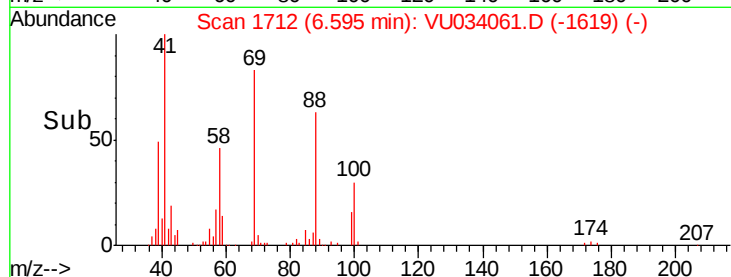
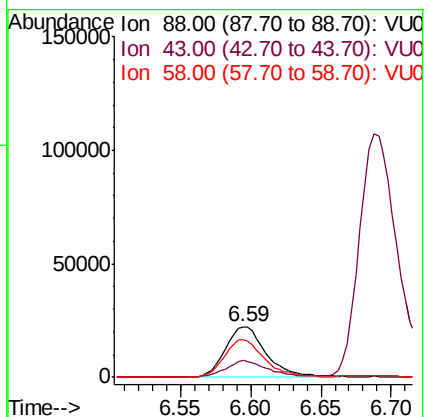
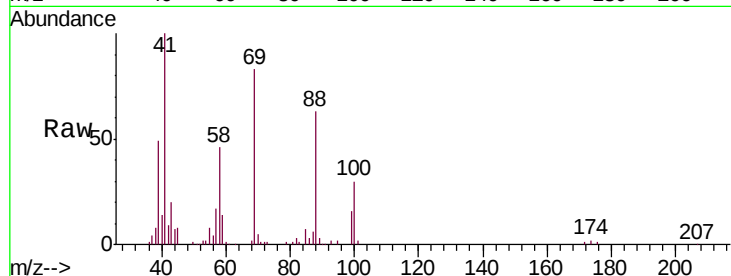
Tot Ion: 88 Resp: 44478

Ion Ratio Lower Upper

88 100

43 31.8 24.8 37.2

58 74.2 59.3 88.9



#50

Toluene-d8

Concen: 50.422 ug/l

RT: 7.55 min Scan# 2008

Delta R.T. -0.00 min

Lab File: VU034061.D

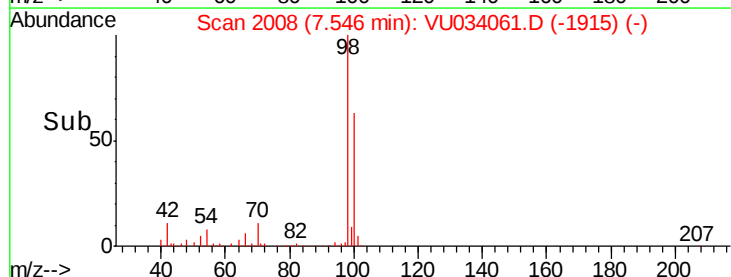
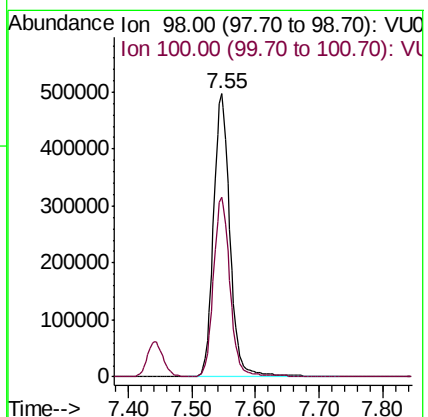
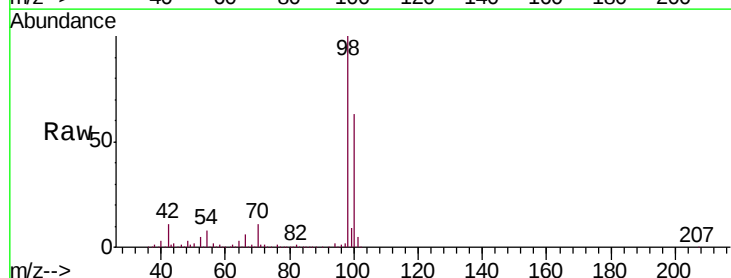
Acq: 29 Aug 2019 14:54

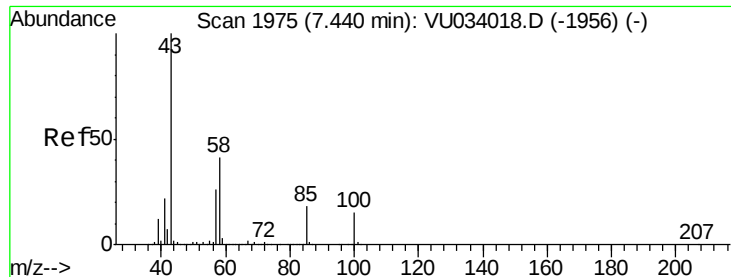
Tgt Ion: 98 Resp: 894029

Ion Ratio Lower Upper

98 100

100 63.3 50.3 75.5

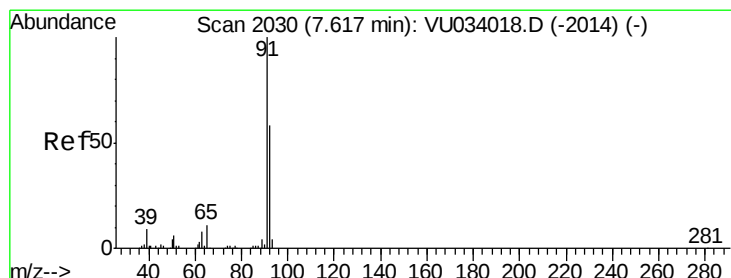
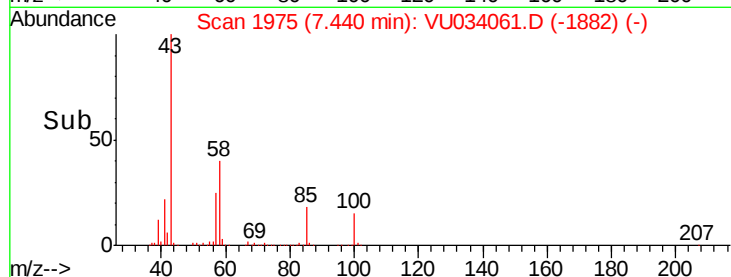
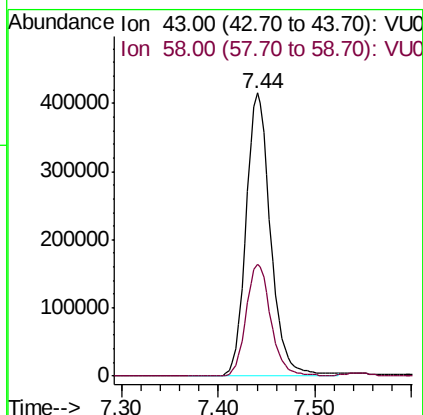
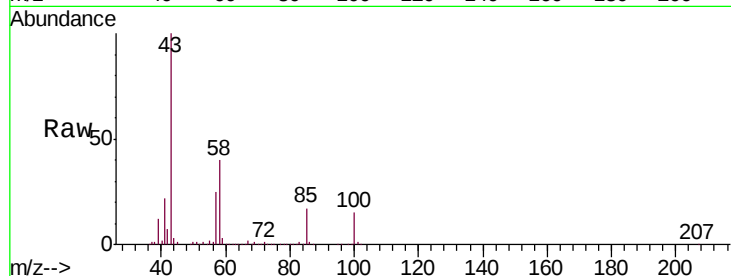




#51
4-Methyl-2-Pentanone
Concen: 95.972 ug/l
RT: 7.44 min Scan# 1975
Delta R.T. -0.00 min
Lab File: VU034061.D
Acq: 29 Aug 2019 14:54

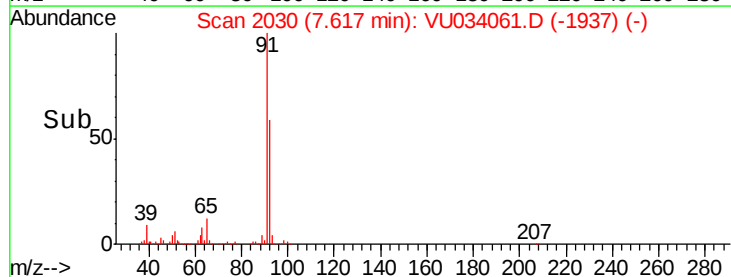
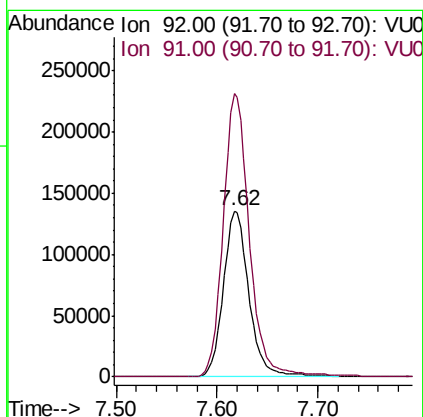
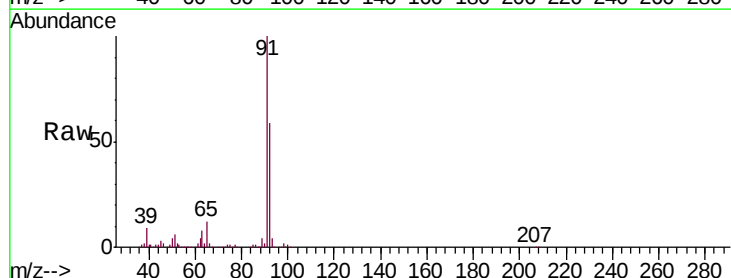
Instrument :
MSVOA_U
ClientSampleId :

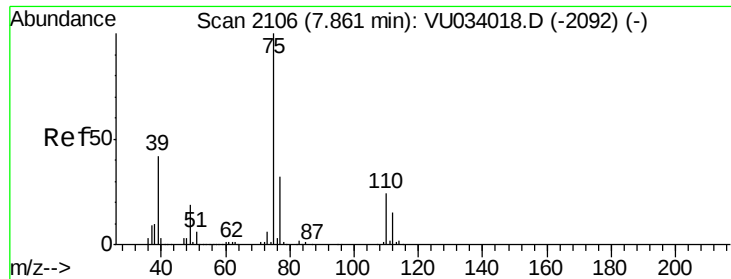
Tot Ion: 43 Resp: 729178
Ion Ratio Lower Upper
43 100
58 40.2 32.2 48.4



#52
Toluene
Concen: 20.043 ug/l
RT: 7.62 min Scan# 2030
Delta R.T. -0.00 min
Lab File: VU034061.D
Acq: 29 Aug 2019 14:54

Tgt Ion: 92 Resp: 241237
Ion Ratio Lower Upper
92 100
91 173.7 138.3 207.5

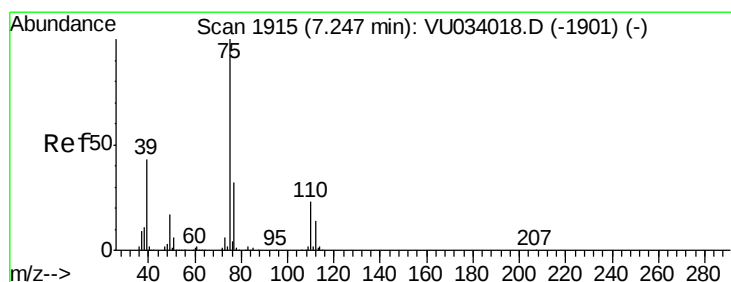
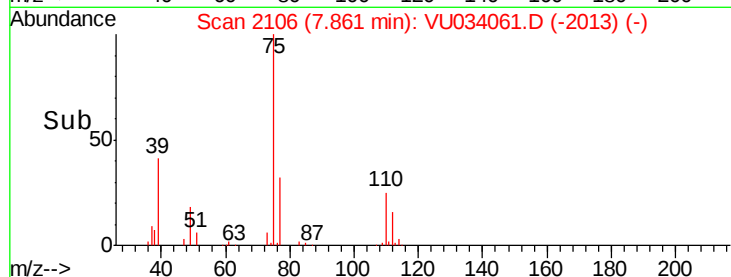
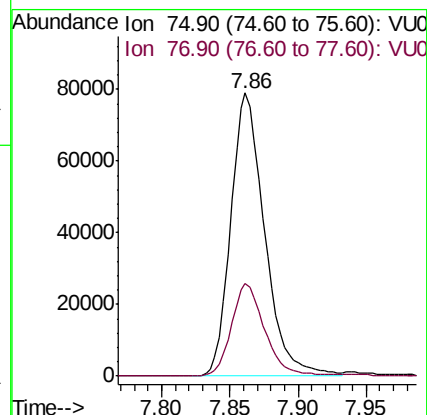
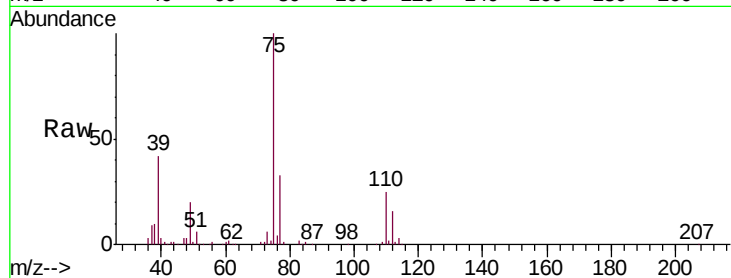




#53
 t-1,3-Dichloropropene
 Concen: 18.107 ug/l
 RT: 7.86 min Scan# 2106
 Delta R.T. -0.00 min
 Lab File: VU034061.D
 Acq: 29 Aug 2019 14:54

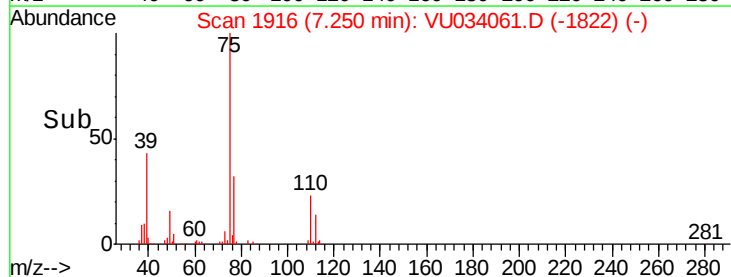
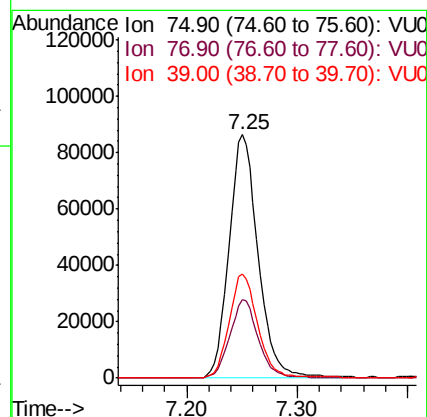
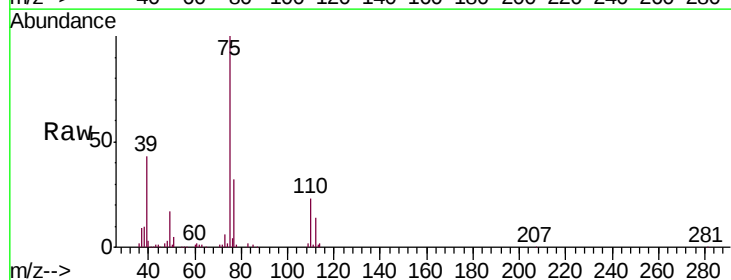
Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion: 75 Resp: 136208
 Ion Ratio Lower Upper
 75 100
 77 32.6 25.4 38.0



#54
 cis-1,3-Dichloropropene
 Concen: 19.194 ug/l
 RT: 7.25 min Scan# 1916
 Delta R.T. 0.00 min
 Lab File: VU034061.D
 Acq: 29 Aug 2019 14:54

Tgt Ion: 75 Resp: 157736
 Ion Ratio Lower Upper
 75 100
 77 32.2 25.2 37.8
 39 42.7 34.6 51.8

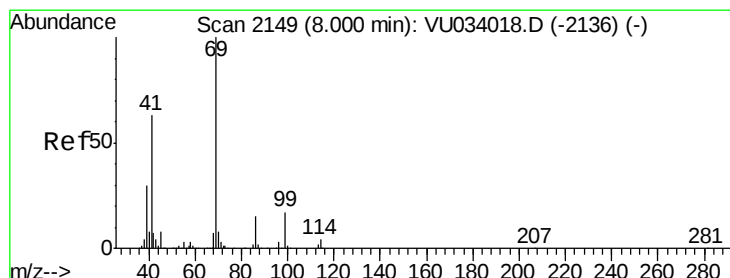
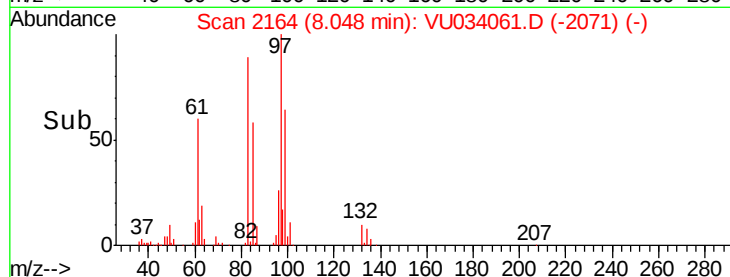
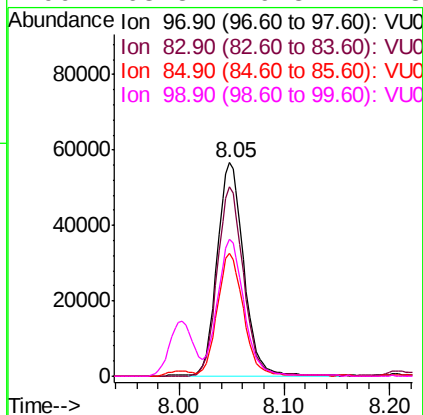
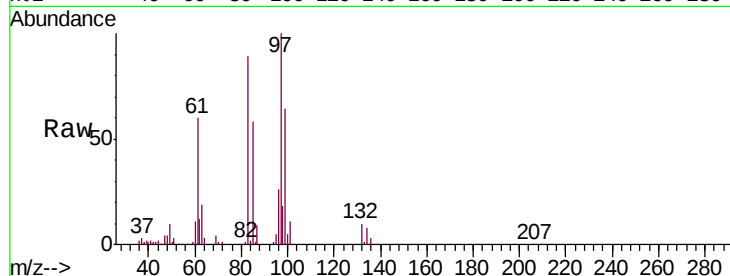




#55
 1,1,2-Trichloroethane
 Concen: 19.208 ug/l
 RT: 8.05 min Scan# 2164
 Delta R.T. -0.00 min
 Lab File: VU034061.D
 Acq: 29 Aug 2019 14:54

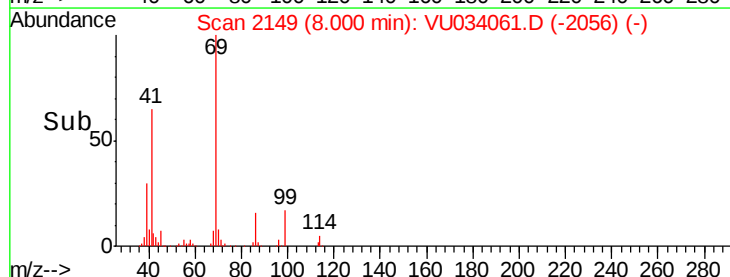
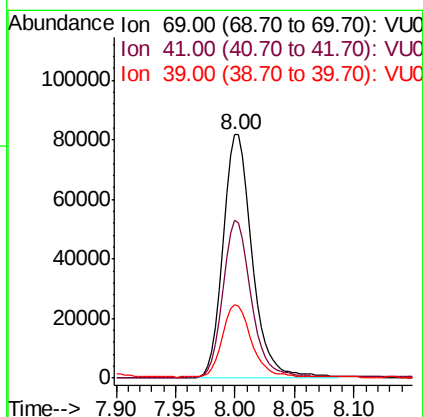
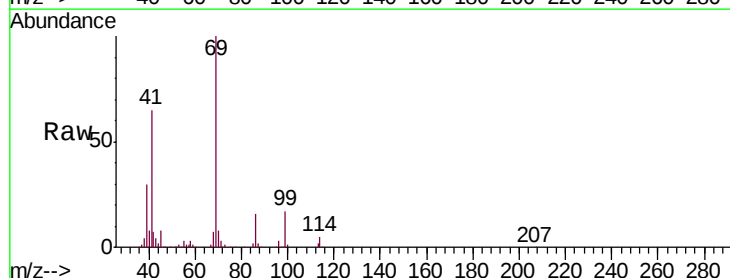
Instrument :
 MSVOA_U
 ClientSampleId :

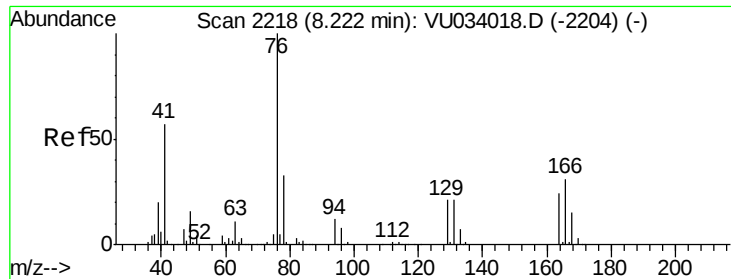
Tot Ion:	97	Resp:	97789
Ion	Ratio	Lower	Upper
97	100		
83	88.8	70.1	105.1
85	57.6	45.0	67.4
99	63.8	49.8	74.8



#56
 Ethyl methacrylate
 Concen: 17.190 ug/l
 RT: 8.00 min Scan# 2149
 Delta R.T. 0.00 min
 Lab File: VU034061.D
 Acq: 29 Aug 2019 14:54

Tgt Ion:	69	Resp:	139671
Ion	Ratio	Lower	Upper
69	100		
41	63.5	50.7	76.1
39	29.4	24.2	36.2





#57

1,3-Dichloropropane

Concen: 19.355 ug/l

RT: 8.22 min Scan# 2219

Delta R.T. 0.00 min

Lab File: VU034061.D

Acq: 29 Aug 2019 14:54

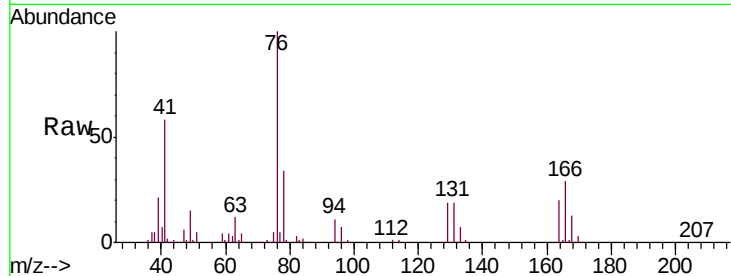
Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 76 Resp: 167311

Ion Ratio Lower Upper

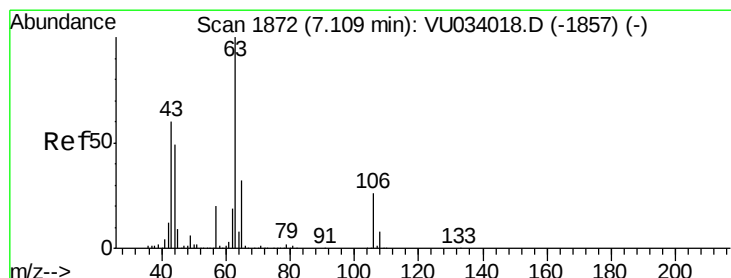
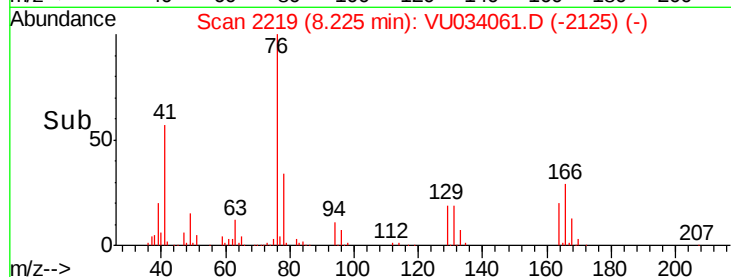
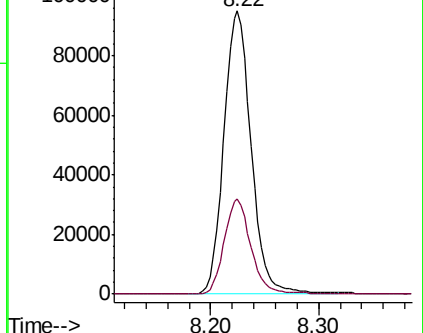
76 100

78 32.4 26.2 39.4



Abundance Ion 75.90 (75.60 to 76.60): VU034061.D (-2125) (-)

Ion 77.90 (77.60 to 78.60): VU034061.D (-2125) (-)



#58

2-Chloroethyl Vinyl ether

Concen: 85.673 ug/l

RT: 7.11 min Scan# 1872

Delta R.T. -0.00 min

Lab File: VU034061.D

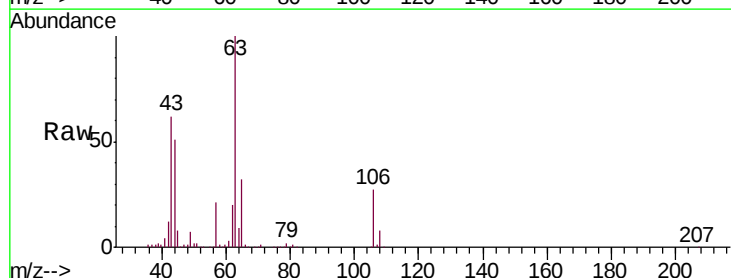
Acq: 29 Aug 2019 14:54

Tgt Ion: 63 Resp: 241300

Ion Ratio Lower Upper

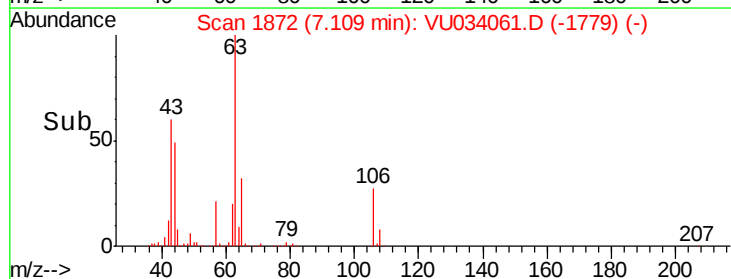
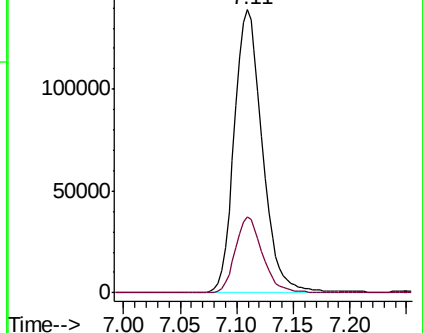
63 100

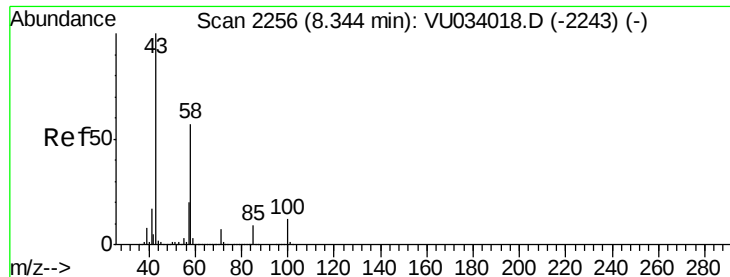
106 26.0 20.7 31.1



Abundance Ion 62.90 (62.60 to 63.60): VU034061.D (-1779) (-)

Ion 105.90 (105.60 to 106.60): VU034061.D (-1779) (-)

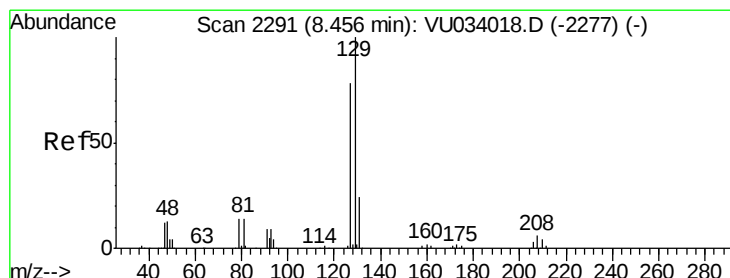
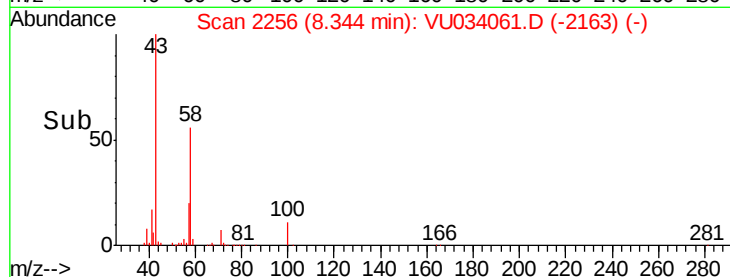
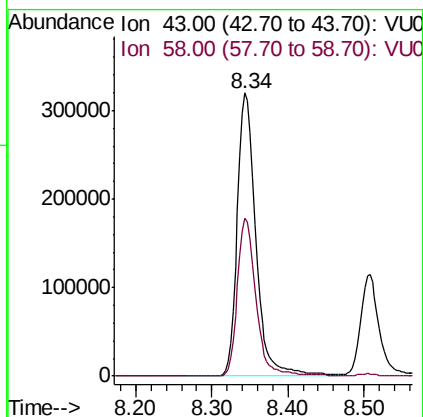
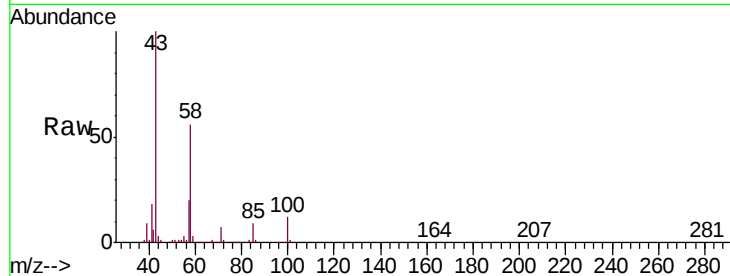




#59
2-Hexanone
Concen: 94.579 ug/l
RT: 8.34 min Scan# 2256
Delta R.T. -0.00 min
Lab File: VU034061.D
Acq: 29 Aug 2019 14:54

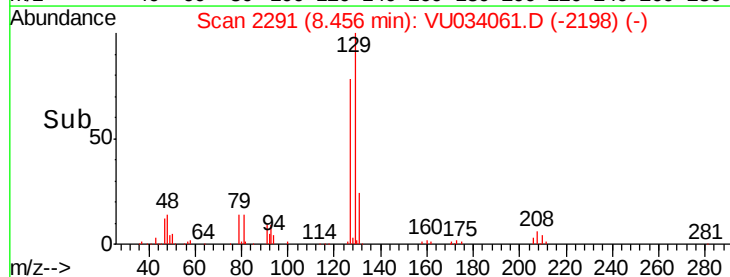
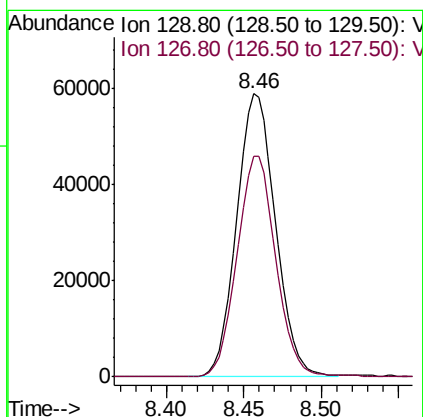
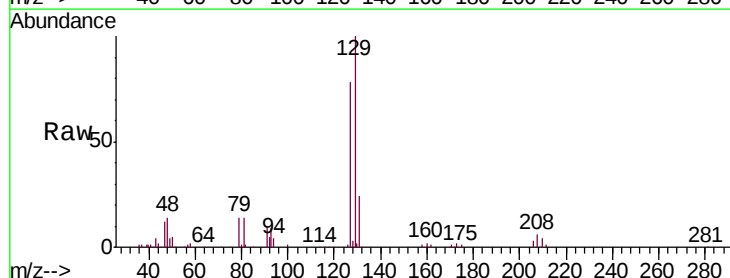
Instrument :
MSVOA_U
ClientSampleId :

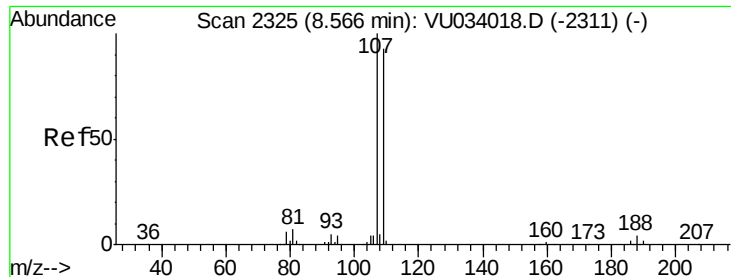
Tot Ion: 43 Resp: 542475
Ion Ratio Lower Upper
43 100
58 56.1 28.4 85.3



#60
Dibromochloromethane
Concen: 18.811 ug/l
RT: 8.46 min Scan# 2291
Delta R.T. -0.00 min
Lab File: VU034061.D
Acq: 29 Aug 2019 14:54

Tgt Ion: 129 Resp: 102802
Ion Ratio Lower Upper
129 100
127 78.1 39.0 116.9





#61

1,2-Dibromoethane

Concen: 18.923 ug/l

RT: 8.57 min Scan# 2326

Delta R.T. 0.00 min

Lab File: VU034061.D

Acq: 29 Aug 2019 14:54

Instrument :

MSVOA_U

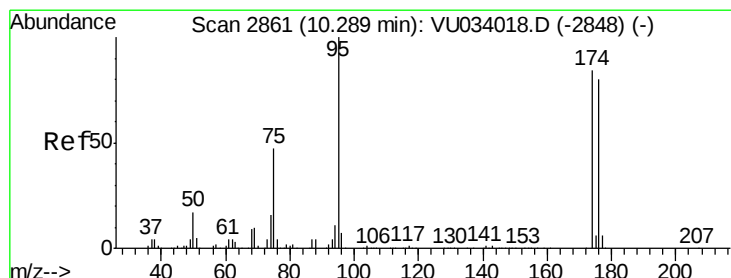
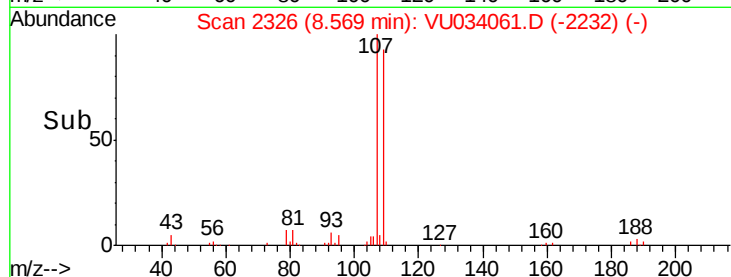
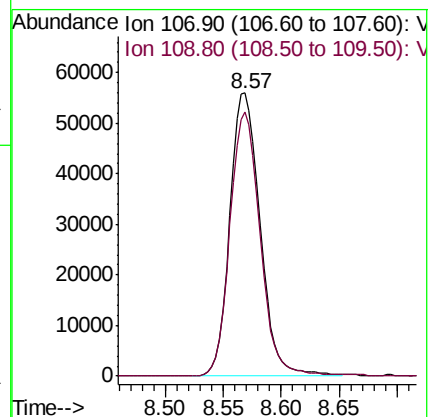
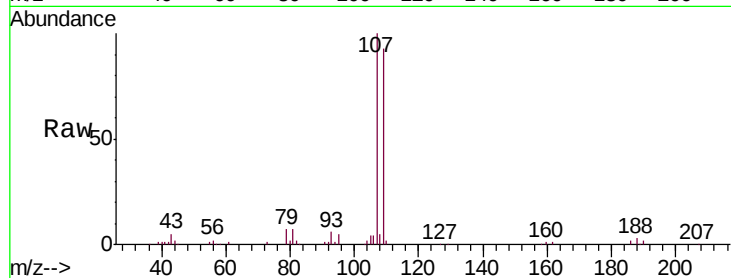
ClientSampleId :

Tot Ion:107 Resp: 101481

Ion Ratio Lower Upper

107 100

109 92.9 75.2 112.8



#62

4-Bromofluorobenzene

Concen: 47.406 ug/l

RT: 10.29 min Scan# 2861

Delta R.T. -0.00 min

Lab File: VU034061.D

Acq: 29 Aug 2019 14:54

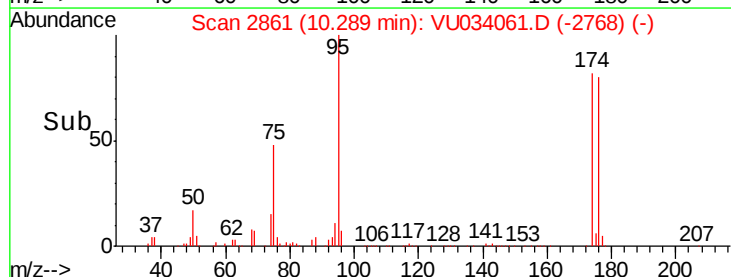
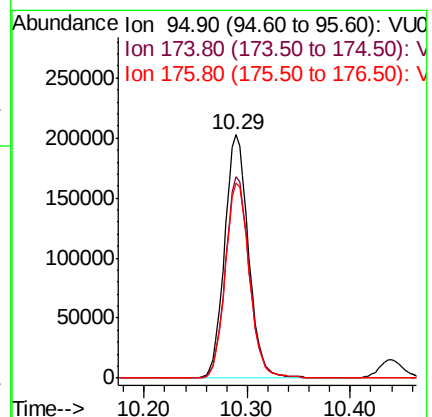
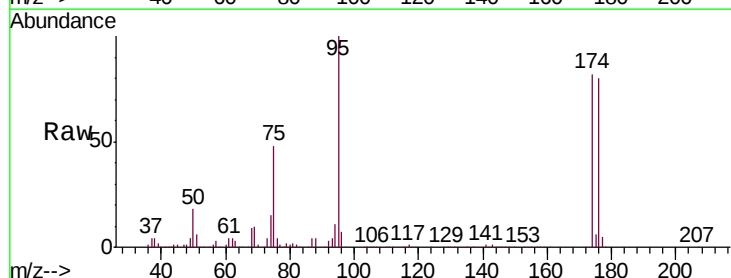
Tgt Ion: 95 Resp: 326967

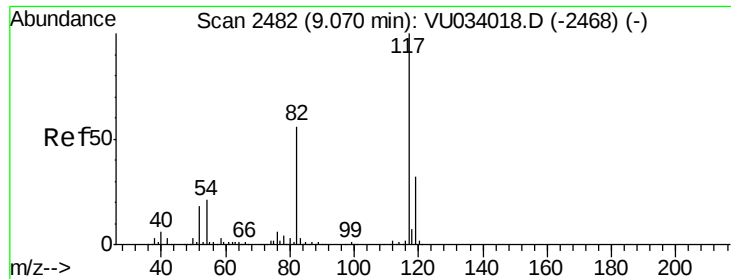
Ion Ratio Lower Upper

95 100

174 82.9 0.0 168.8

176 80.8 0.0 161.8

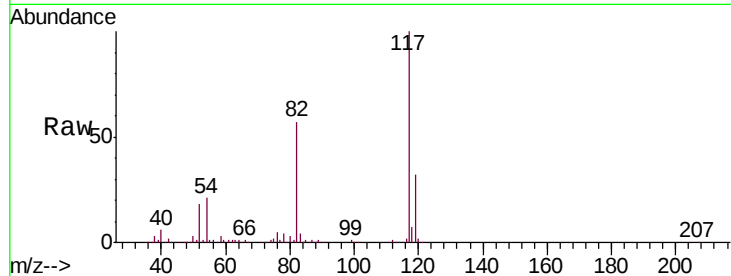




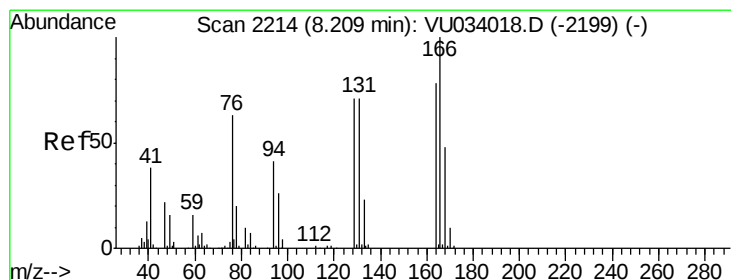
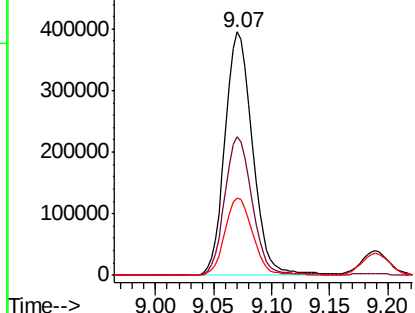
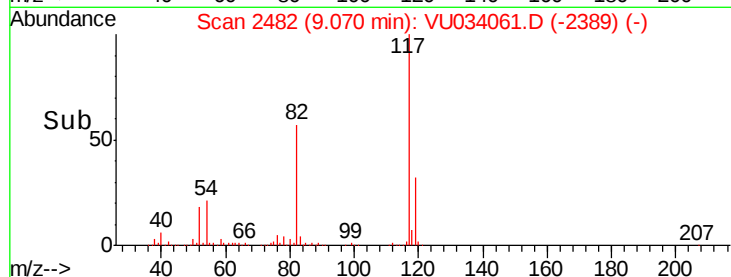
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.07 min Scan# 2482
Delta R.T. -0.00 min
Lab File: VU034061.D
Acq: 29 Aug 2019 14:54

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion:117 Resp: 651209
Ion Ratio Lower Upper
117 100
82 56.8 45.1 67.7
119 31.9 25.4 38.0

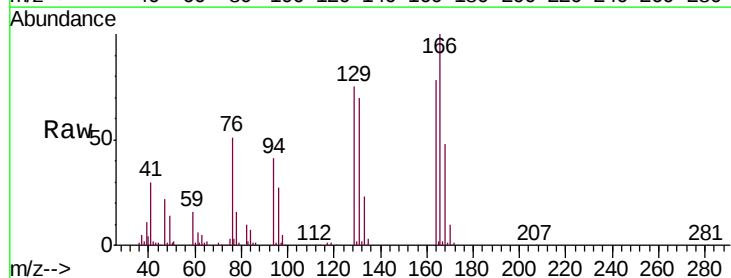


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VU034061.D (-2389) (-)
Ion 118.90 (118.60 to 119.60): V

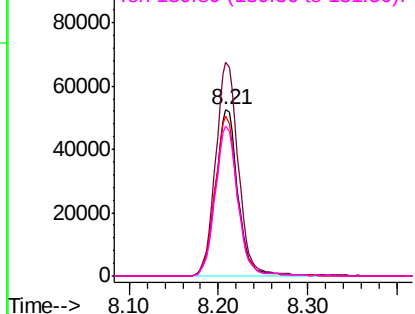
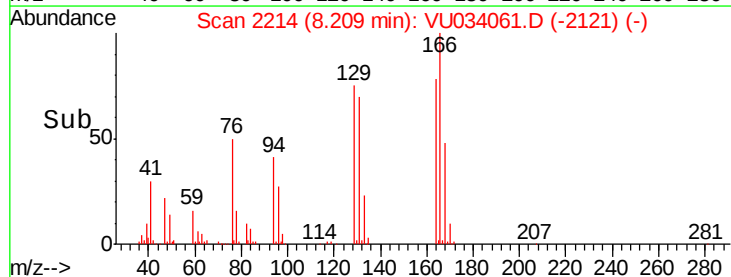


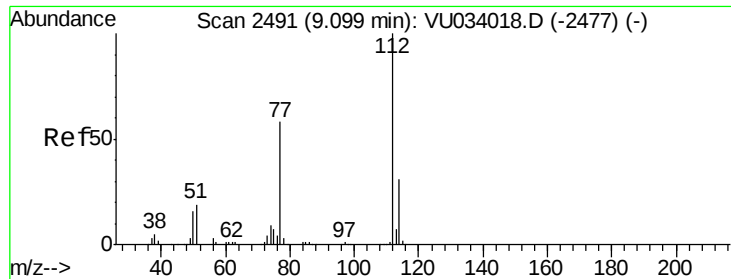
#64
Tetrachloroethene
Concen: 20.930 ug/l
RT: 8.21 min Scan# 2214
Delta R.T. -0.00 min
Lab File: VU034061.D
Acq: 29 Aug 2019 14:54

Tgt Ion:164 Resp: 91531
Ion Ratio Lower Upper
164 100
166 128.5 102.2 153.2
129 96.2 72.4 108.6
131 90.3 72.1 108.1



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





#65

Chlorobenzene

Concen: 19.729 ug/l

RT: 9.10 min Scan# 2491

Delta R.T. -0.00 min

Lab File: VU034061.D

Acq: 29 Aug 2019 14:54

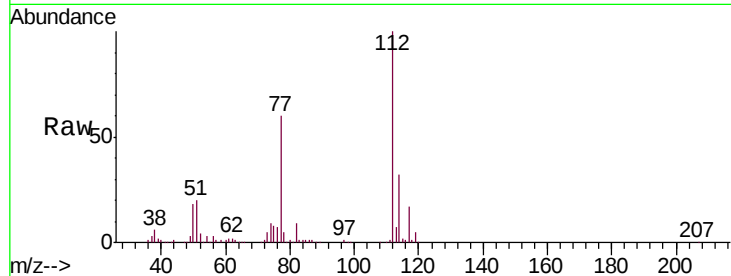
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion:112 Resp: 264388

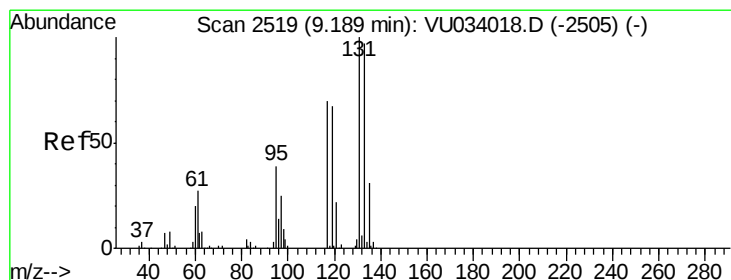
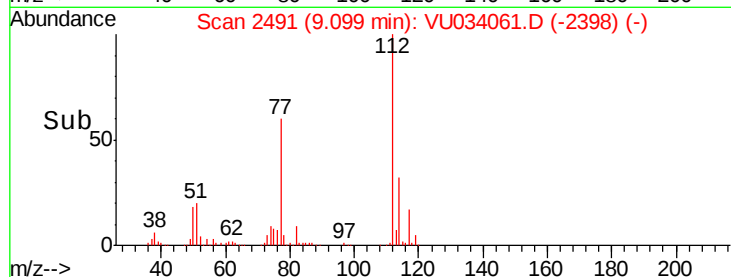
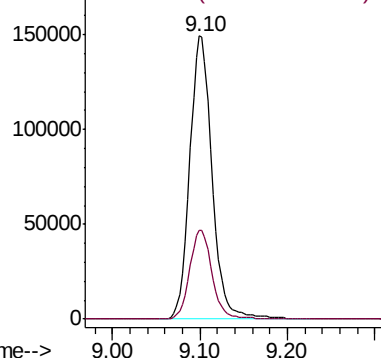
Ion Ratio Lower Upper

112 100

114 31.6 25.0 37.4



Abundance Ion 111.90 (111.60 to 112.60): V
Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 18.930 ug/l

RT: 9.19 min Scan# 2519

Delta R.T. -0.00 min

Lab File: VU034061.D

Acq: 29 Aug 2019 14:54

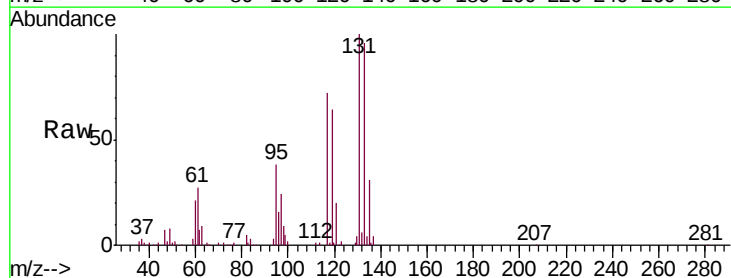
Tgt Ion:131 Resp: 91991

Ion Ratio Lower Upper

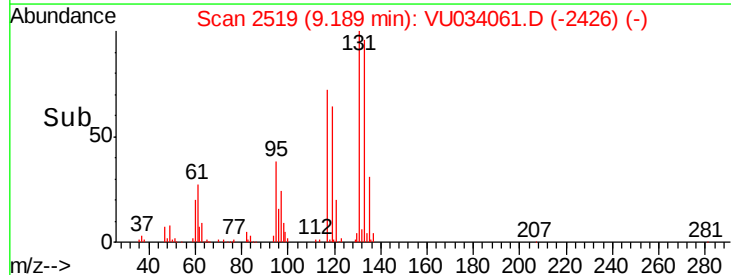
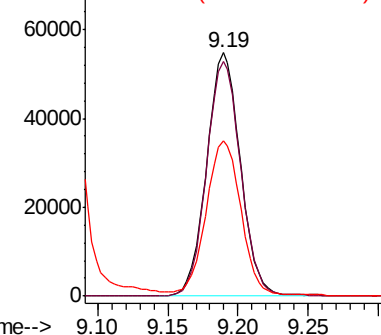
131 100

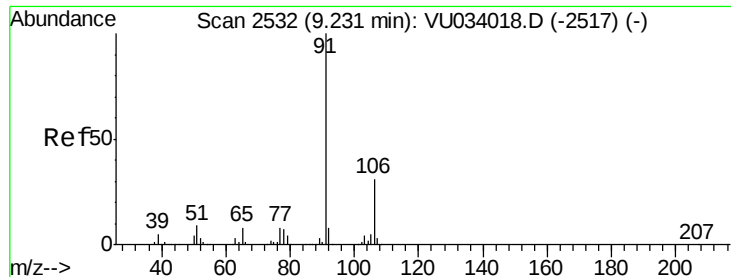
133 97.5 48.4 145.2

119 65.2 33.6 100.6



Abundance Ion 130.80 (130.50 to 131.50): V
Ion 132.80 (132.50 to 133.50): V
Ion 118.80 (118.50 to 119.50): V





#67

Ethyl Benzene

Concen: 19.617 ug/l

RT: 9.23 min Scan# 2532

Delta R.T. -0.00 min

Lab File: VU034061.D

Acq: 29 Aug 2019 14:54

Instrument :

MSVOA_U

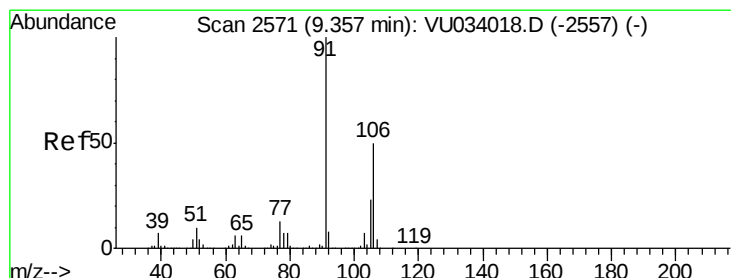
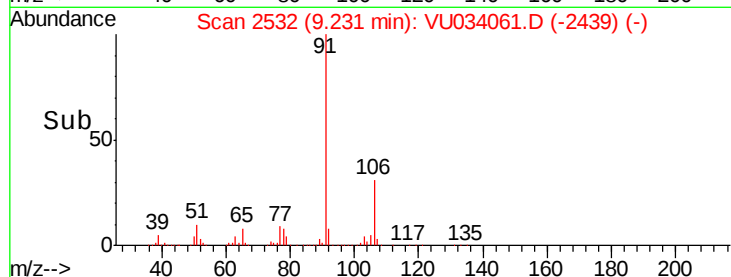
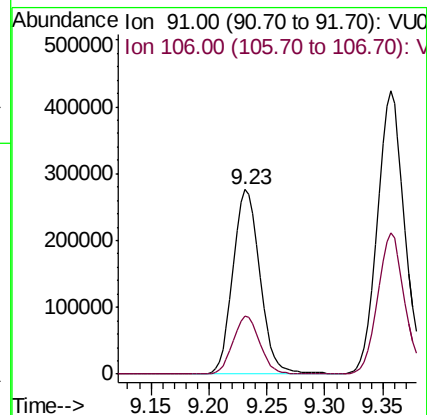
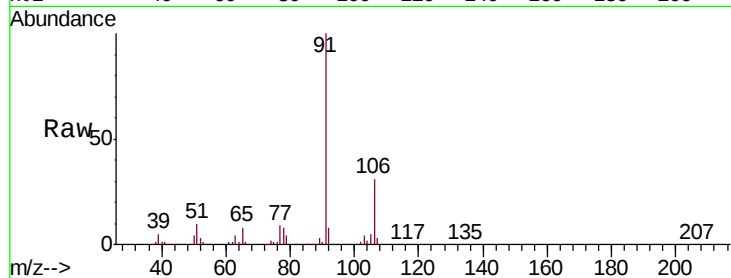
ClientSampleId :

Tot Ion: 91 Resp: 445647

Ion Ratio Lower Upper

91 100

106 31.4 24.9 37.3



#68

m/p-Xylenes

Concen: 39.882 ug/l

RT: 9.36 min Scan# 2571

Delta R.T. -0.00 min

Lab File: VU034061.D

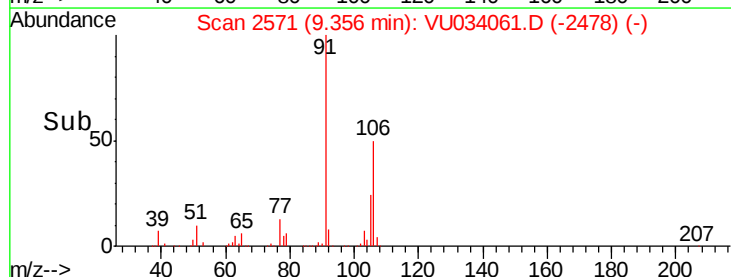
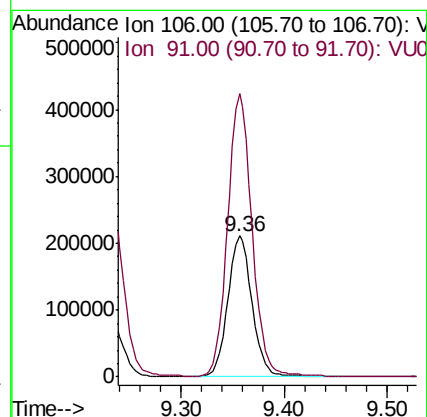
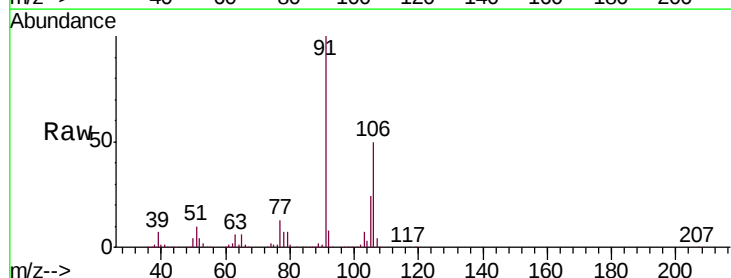
Acq: 29 Aug 2019 14:54

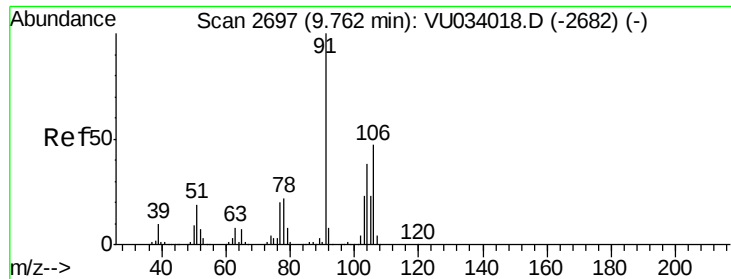
Tgt Ion: 106 Resp: 344496

Ion Ratio Lower Upper

106 100

91 203.2 161.6 242.4

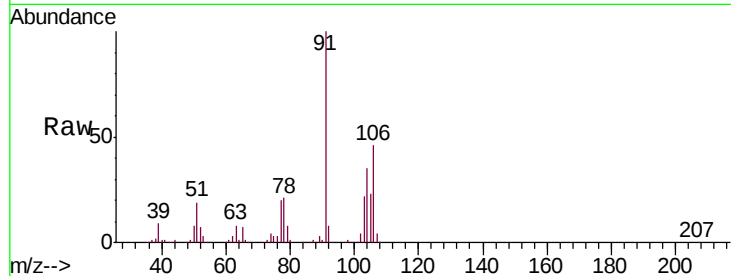




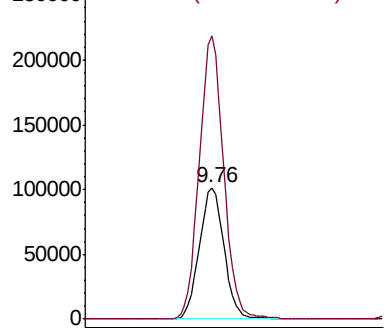
#69
o-Xylene
Concen: 19.629 ug/l
RT: 9.76 min Scan# 2697
Delta R.T. -0.00 min
Lab File: VU034061.D
Acq: 29 Aug 2019 14:54

Instrument :
MSVOA_U
ClientSampleId :

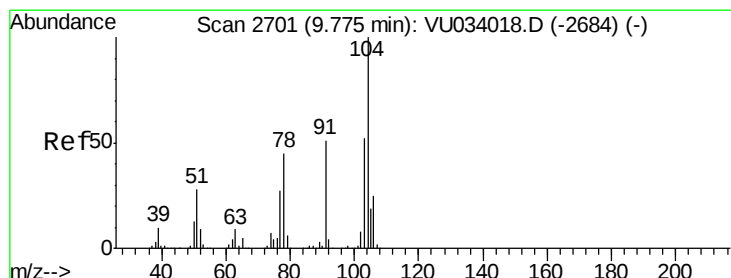
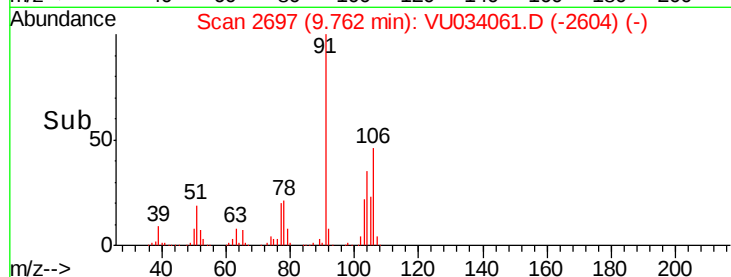
Tot Ion:106 Resp: 162663
Ion Ratio Lower Upper
106 100
91 213.2 106.0 318.0



Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VU0

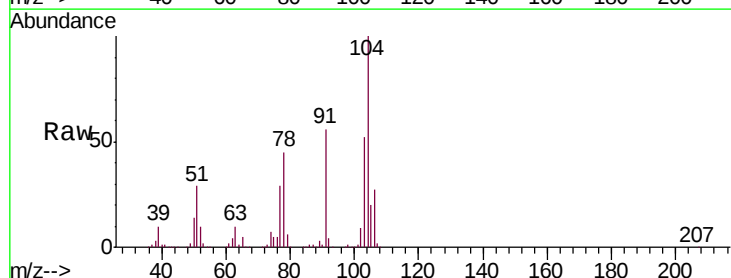


Time-->

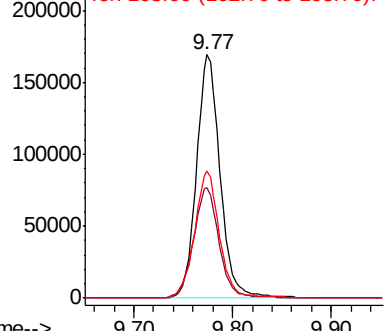


#70
Styrene
Concen: 20.015 ug/l
RT: 9.77 min Scan# 2701
Delta R.T. -0.00 min
Lab File: VU034061.D
Acq: 29 Aug 2019 14:54

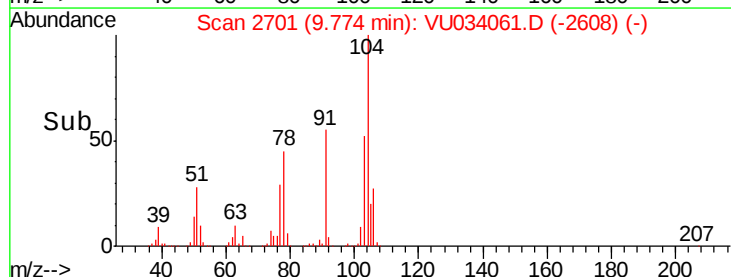
Tgt Ion:104 Resp: 284400
Ion Ratio Lower Upper
104 100
78 49.2 39.0 58.4
103 55.1 44.0 66.0

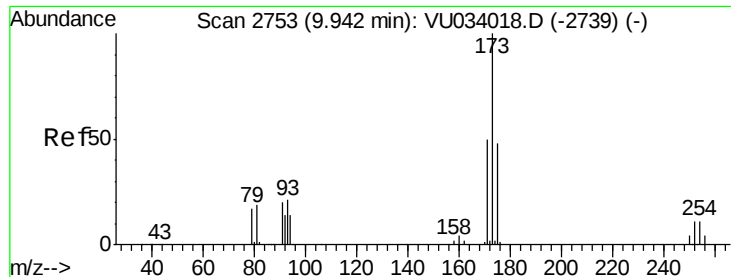


Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VU0
Ion 103.00 (102.70 to 103.70): V



Time-->





#71

Bromoform

Concen: 18.156 ug/l

RT: 9.94 min Scan# 2752

Delta R.T. -0.00 min

Lab File: VU034061.D

Acq: 29 Aug 2019 14:54

Instrument :
MSVOA_U
ClientSampleId :

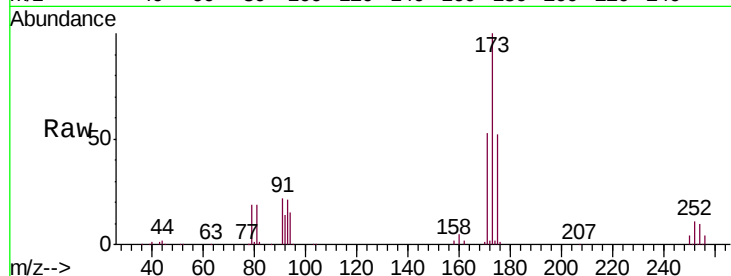
Tot Ion:173 Resp: 76657

Ion Ratio Lower Upper

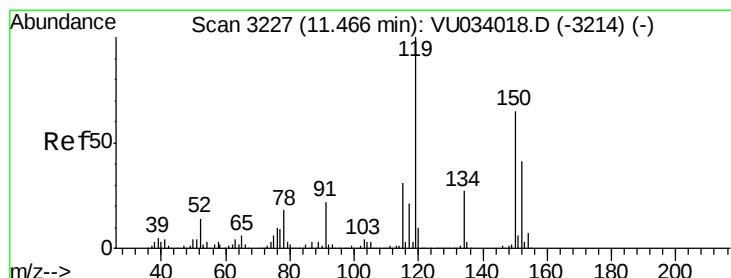
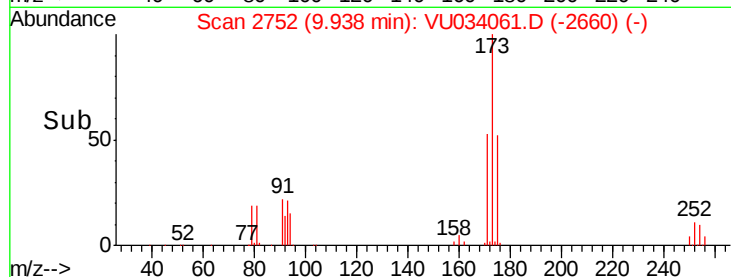
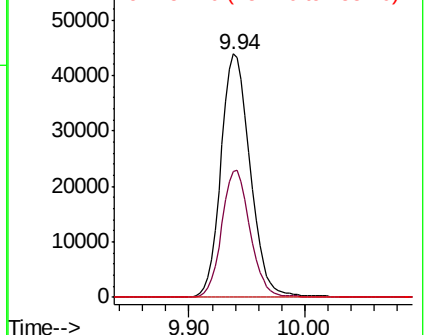
173 100

175 50.6 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: VU034061.D

Acq: 29 Aug 2019 14:54

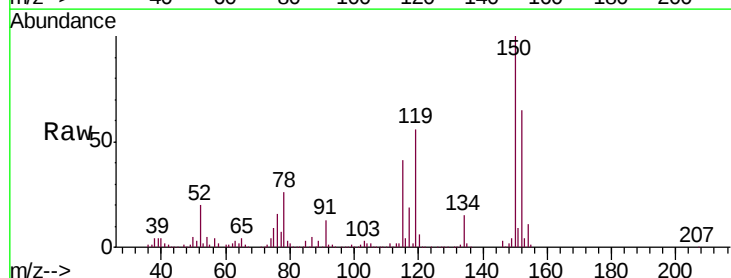
Tgt Ion:152 Resp: 350275

Ion Ratio Lower Upper

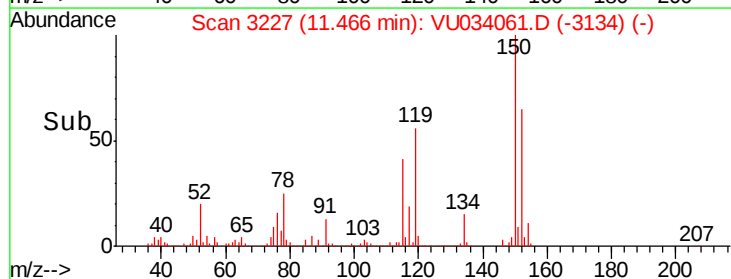
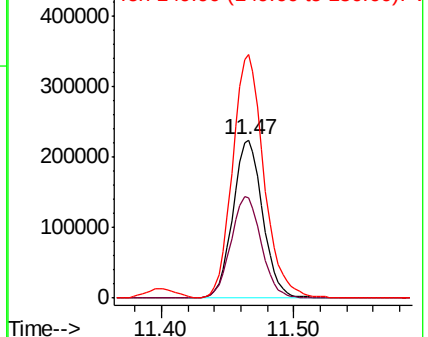
152 100

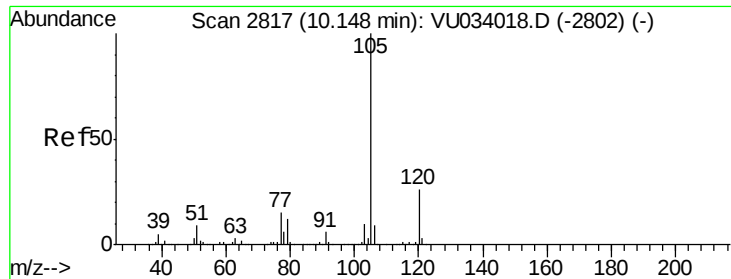
115 65.8 41.1 123.3

150 162.1 0.0 348.8



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





#73

Isopropylbenzene

Concen: 18.832 ug/l

RT: 10.15 min Scan# 2817

Delta R.T. -0.00 min

Lab File: VU034061.D

Acq: 29 Aug 2019 14:54

Instrument :

MSVOA_U

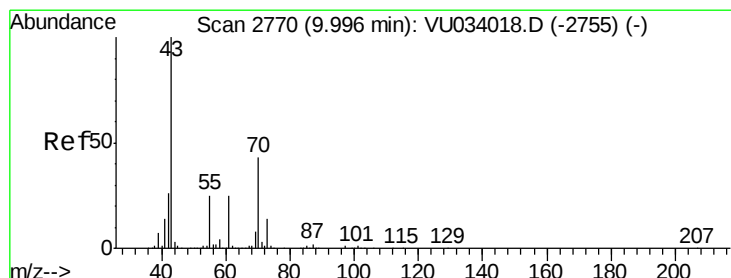
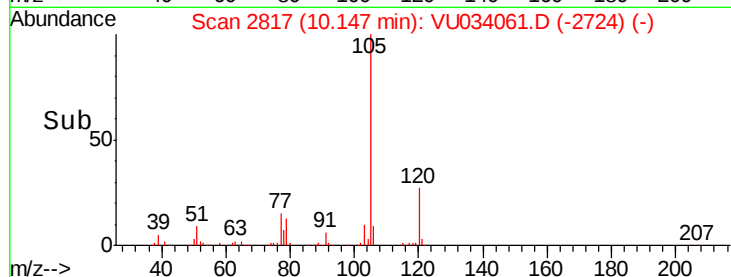
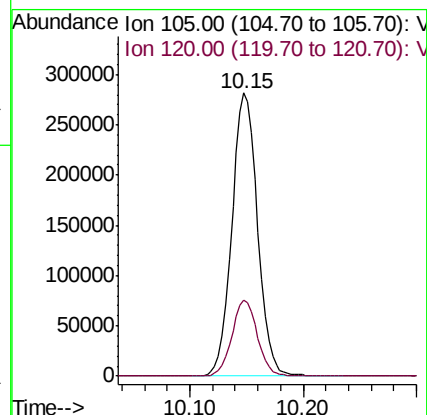
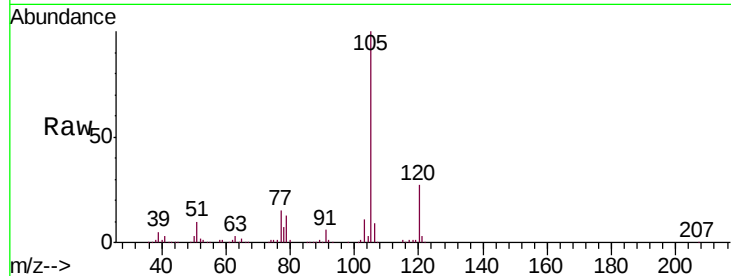
ClientSampleId :

Tot Ion:105 Resp: 443083

Ion Ratio Lower Upper

105 100

120 26.7 13.3 39.8



#74

N-ethyl acetate

Concen: 18.056 ug/l

RT: 10.00 min Scan# 2770

Delta R.T. -0.00 min

Lab File: VU034061.D

Acq: 29 Aug 2019 14:54

Tgt Ion: 43 Resp: 178678

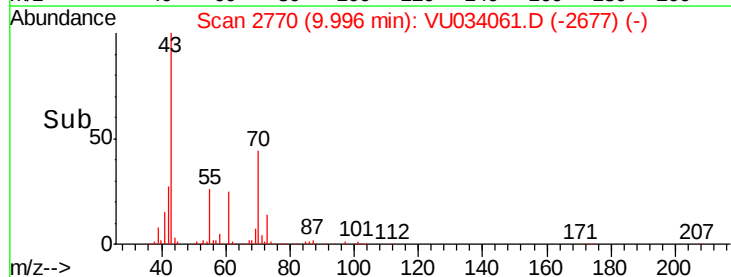
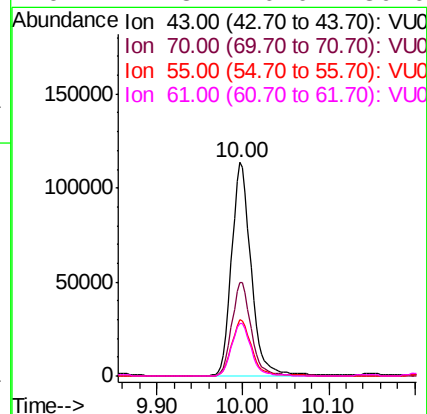
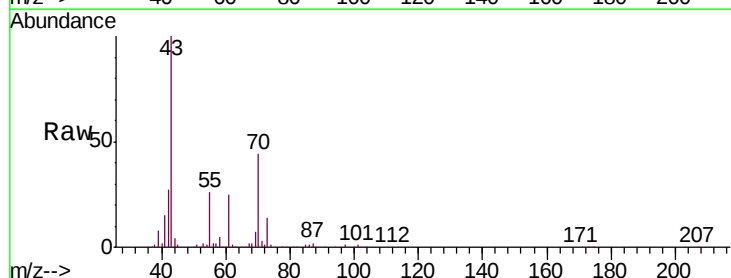
Ion Ratio Lower Upper

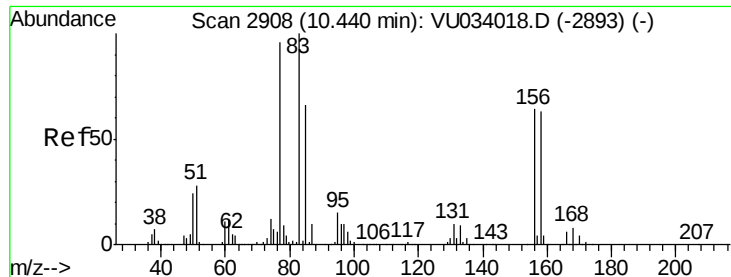
43 100

70 44.0 35.2 52.8

55 27.0 20.5 30.7

61 24.8 20.0 30.0





#75

1,1,2,2-Tetrachloroethane

Concen: 18.421 ug/l

RT: 10.44 min Scan# 2908

Delta R.T. -0.00 min

Lab File: VU034061.D

Acq: 29 Aug 2019 14:54

Instrument :

MSVOA_U

ClientSampleId :

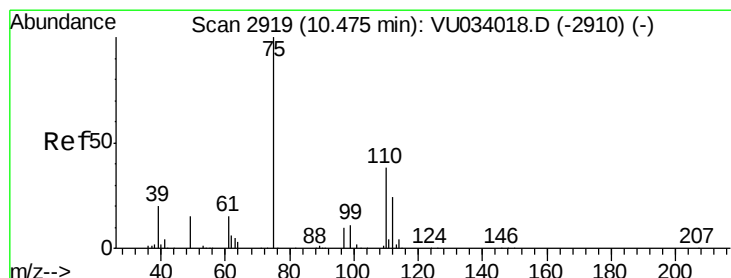
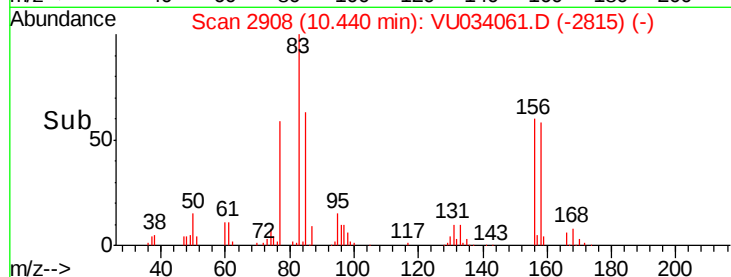
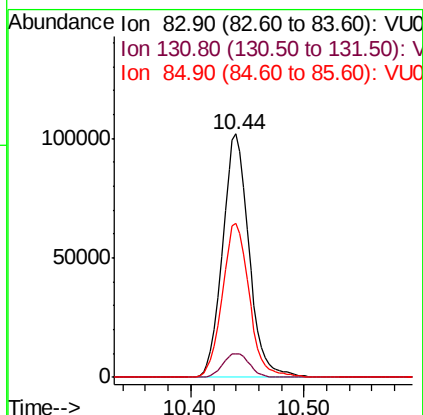
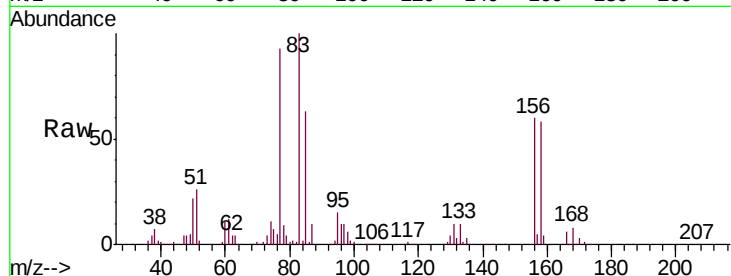
Tot Ion: 83 Resp: 165884

Ion Ratio Lower Upper

83 100

131 9.9 5.0 14.9

85 64.5 32.2 96.6



#76

1,2,3-Trichloropropane

Concen: 22.822 ug/l

RT: 10.48 min Scan# 2919

Delta R.T. -0.00 min

Lab File: VU034061.D

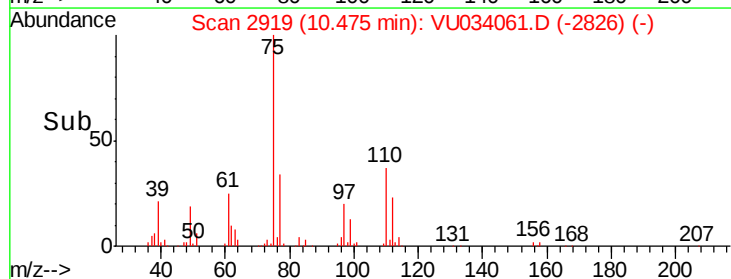
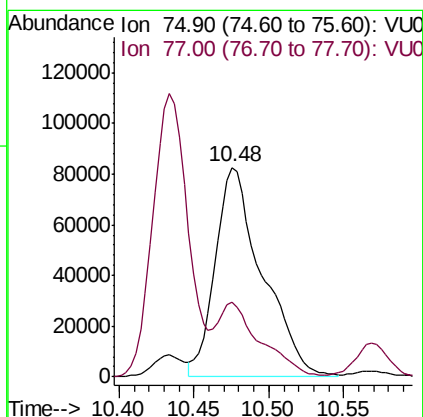
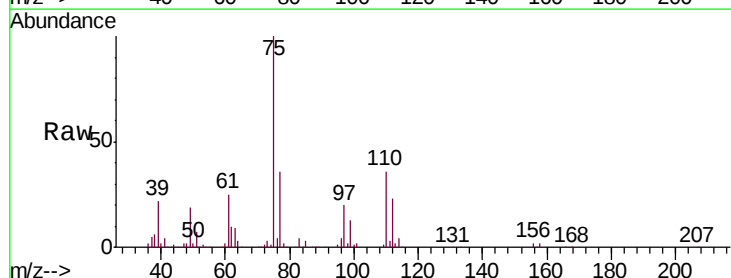
Acq: 29 Aug 2019 14:54

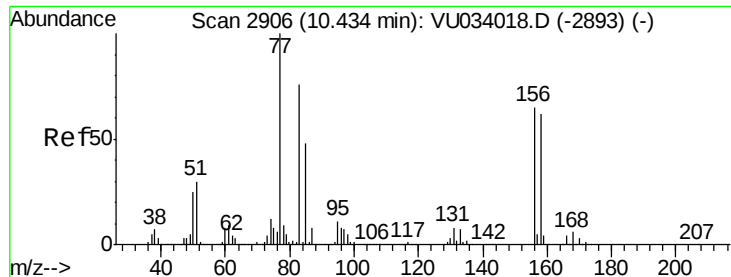
Tgt Ion: 75 Resp: 180172

Ion Ratio Lower Upper

75 100

77 31.2 20.1 60.2





#77

Bromobenzene

Concen: 18.558 ug/l

RT: 10.43 min Scan# 2906

Delta R.T. -0.00 min

Lab File: VU034061.D

Acq: 29 Aug 2019 14:54

Instrument :

MSVOA_U

ClientSampled :

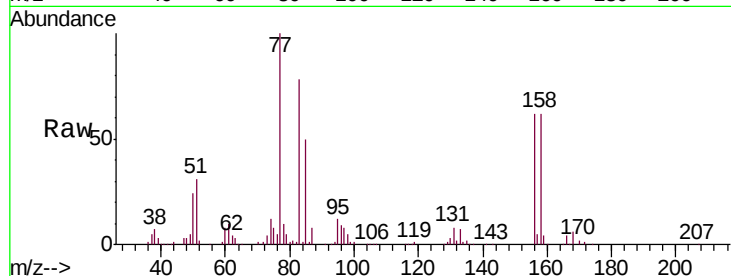
Tot Ion:156 Resp: 117453

Ion Ratio Lower Upper

156 100

77 155.6 76.8 230.5

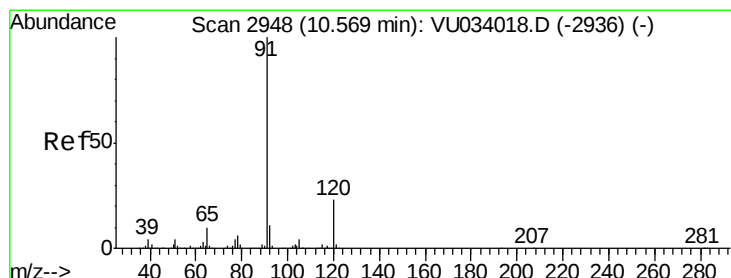
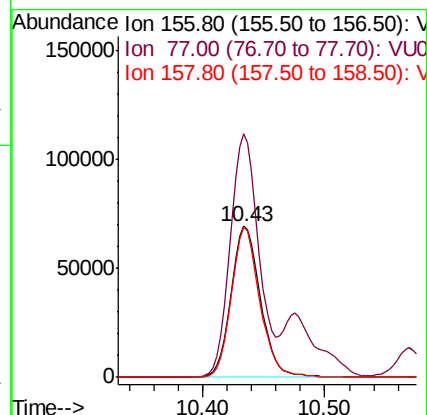
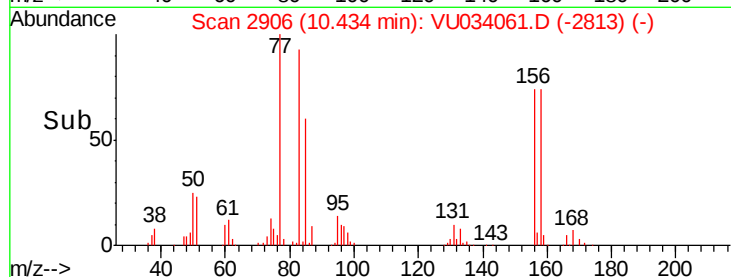
158 95.8 48.4 145.0



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: 19.139 ug/l

RT: 10.57 min Scan# 2948

Delta R.T. -0.00 min

Lab File: VU034061.D

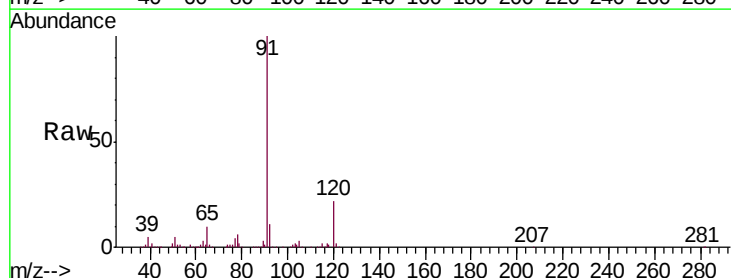
Acq: 29 Aug 2019 14:54

Tgt Ion: 91 Resp: 524408

Ion Ratio Lower Upper

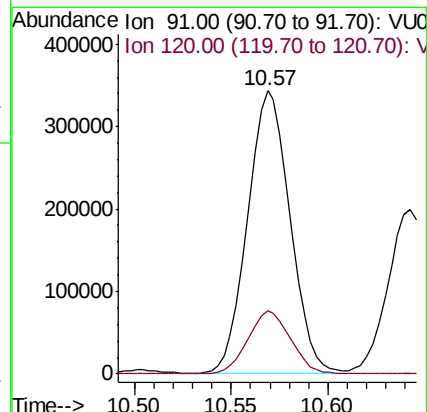
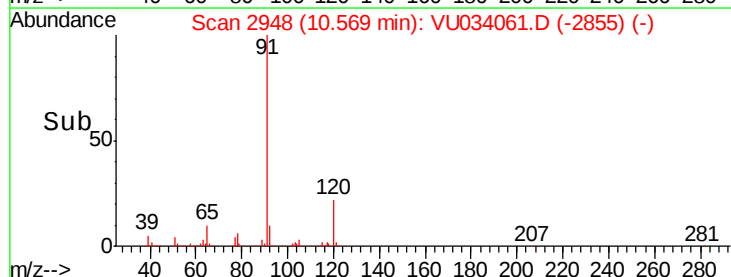
91 100

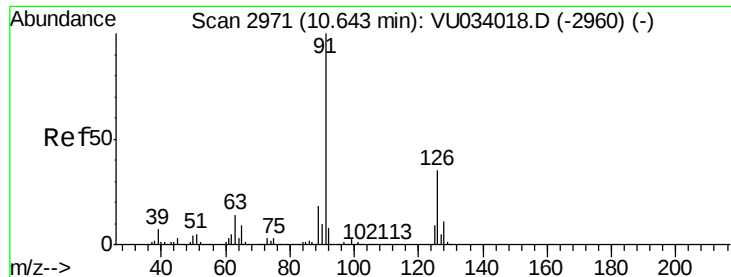
120 22.5 11.7 35.0



Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 19.199 ug/l

RT: 10.64 min Scan# 2971

Delta R.T. -0.00 min

Lab File: VU034061.D

Acq: 29 Aug 2019 14:54

Instrument :

MSVOA_U

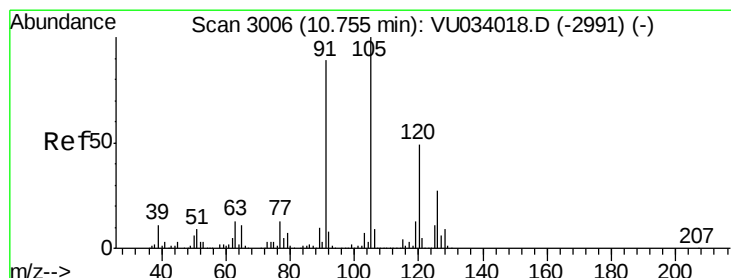
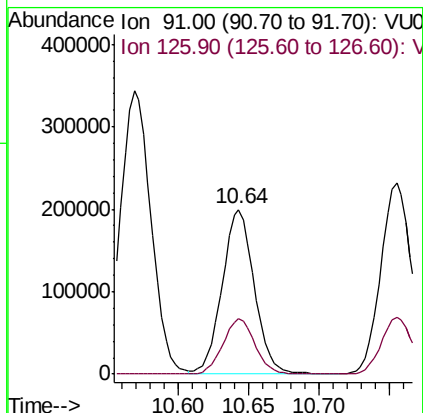
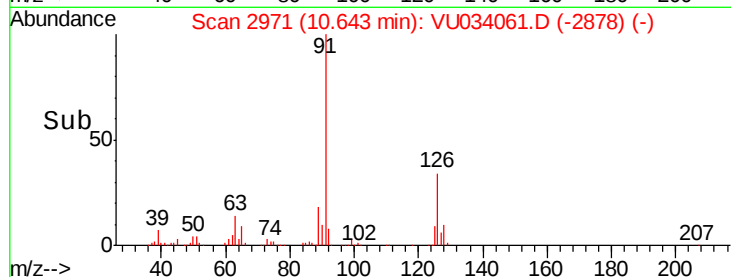
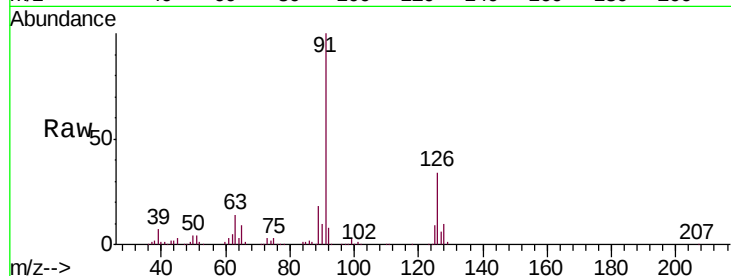
ClientSampleId :

Tot Ion: 91 Resp: 315541

Ion Ratio Lower Upper

91 100

126 33.9 17.1 51.2



#80

1,3,5-Trimethylbenzene

Concen: 19.509 ug/l

RT: 10.76 min Scan# 3006

Delta R.T. -0.00 min

Lab File: VU034061.D

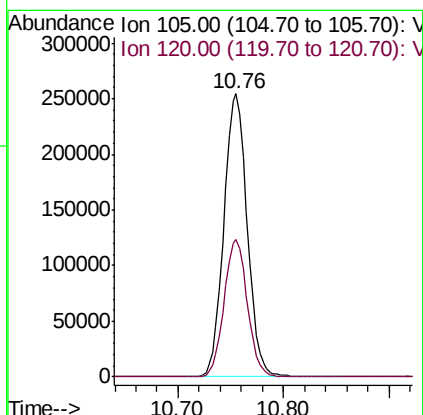
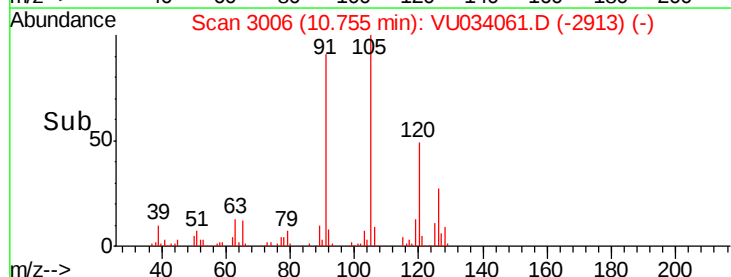
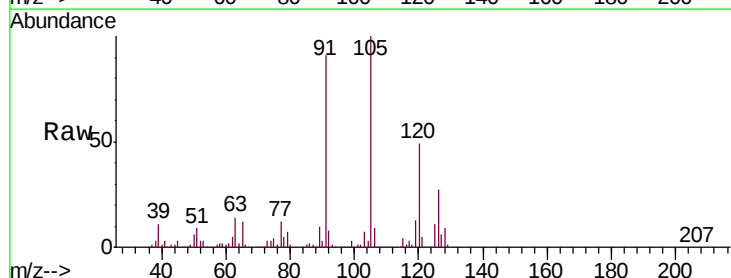
Acq: 29 Aug 2019 14:54

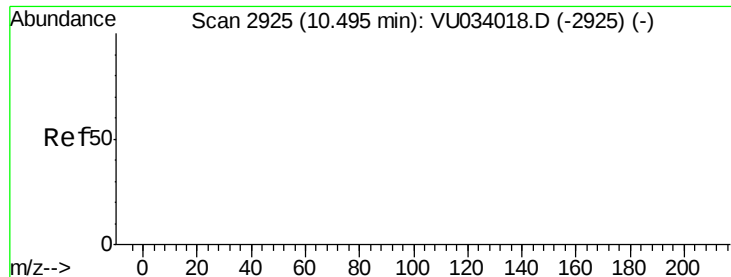
Tgt Ion: 105 Resp: 389032

Ion Ratio Lower Upper

105 100

120 48.3 24.6 73.6





#81

trans-1,4-Dichloro-2-butene

Concen: 76.848 ug/l

RT: 10.48 min Scan# 2919

Delta R.T. -0.02 min

Lab File: VU034061.D

Acq: 29 Aug 2019 14:54

Instrument :

MSVOA_U

ClientSampleId :

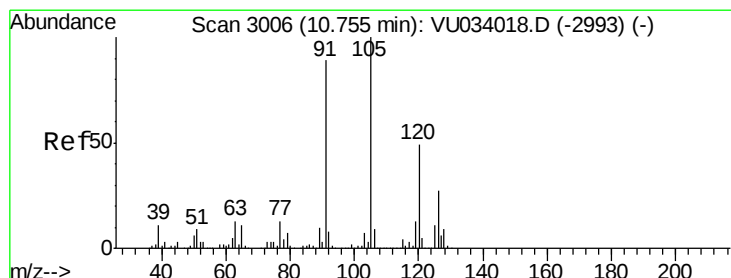
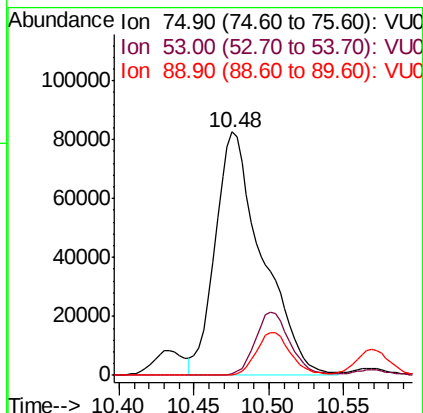
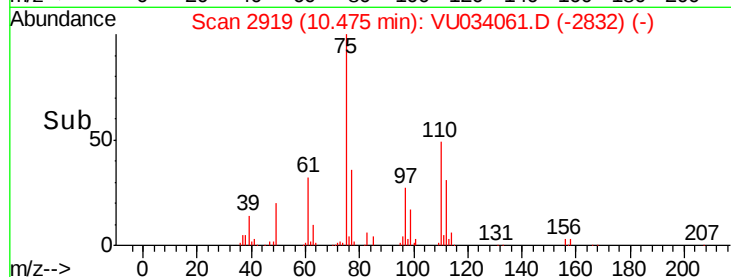
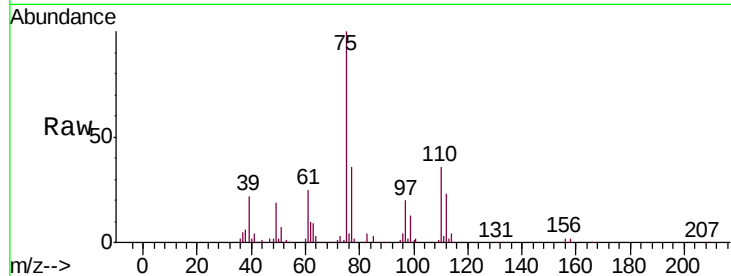
Tot Ion: 75 Resp: 180172

Ion Ratio Lower Upper

75 100

53 0.0 0.0 0.0

89 0.0 0.0 0.0



#82

4-Chlorotoluene

Concen: 19.211 ug/l

RT: 10.76 min Scan# 3006

Delta R.T. -0.00 min

Lab File: VU034061.D

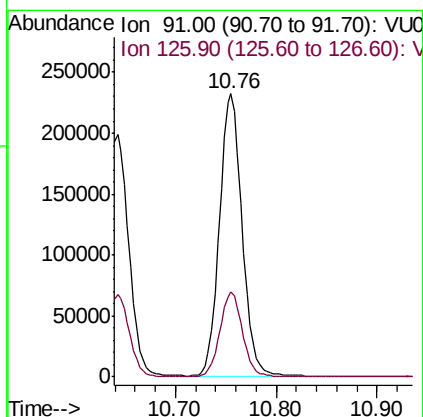
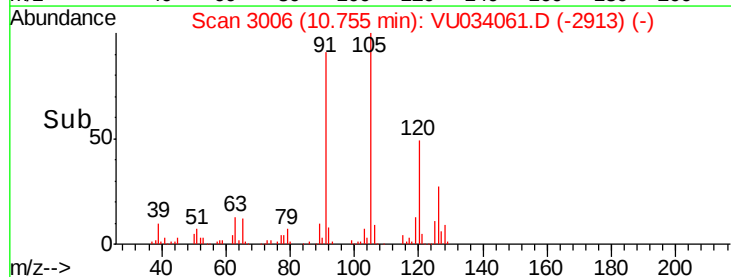
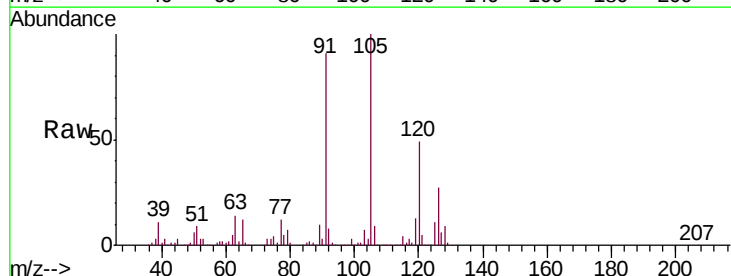
Acq: 29 Aug 2019 14:54

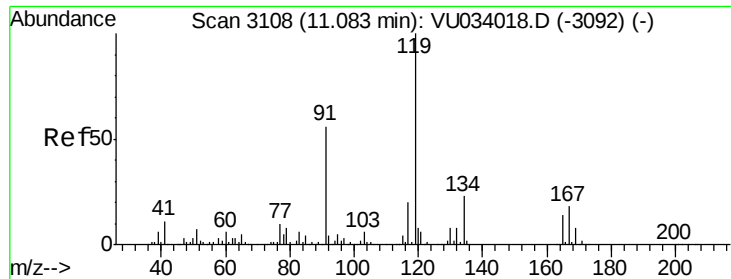
Tgt Ion: 91 Resp: 363116

Ion Ratio Lower Upper

91 100

126 30.3 15.0 45.1

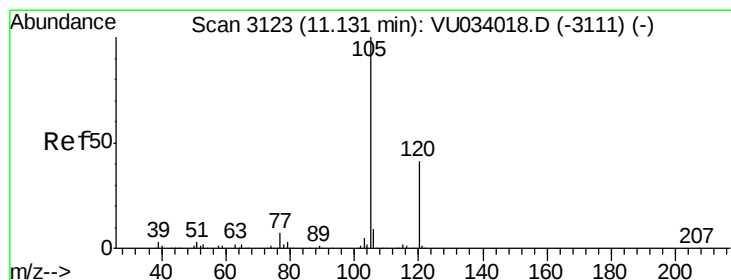
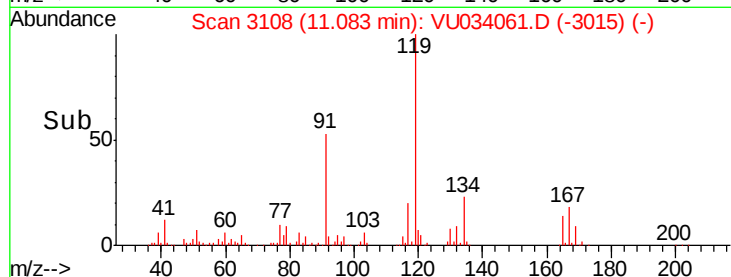
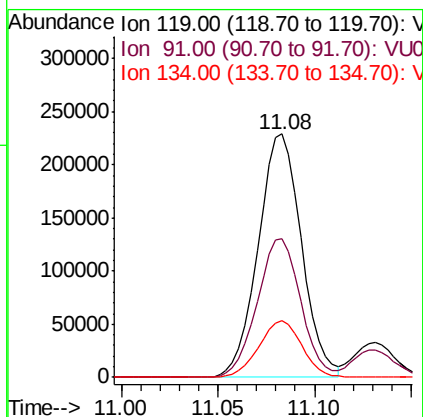
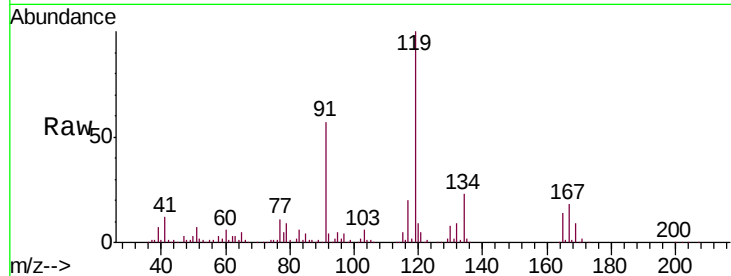




#83
tert-Butylbenzene
Concen: 18.233 ug/l
RT: 11.08 min Scan# 3108
Delta R.T. -0.00 min
Lab File: VU034061.D
Acq: 29 Aug 2019 14:54

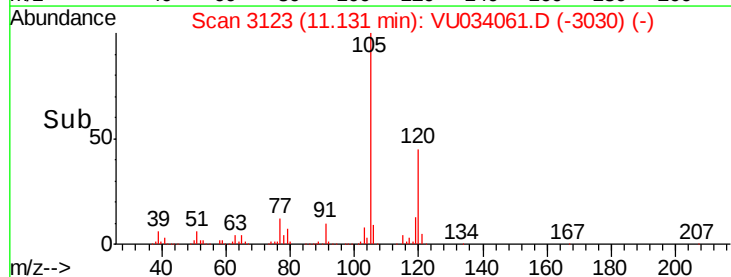
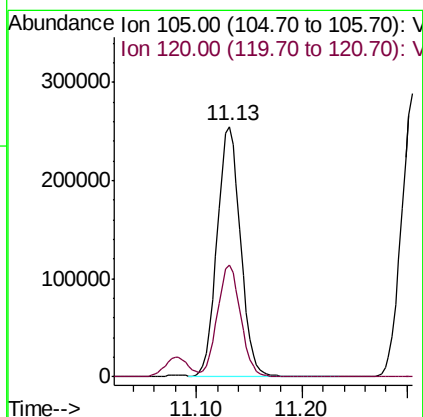
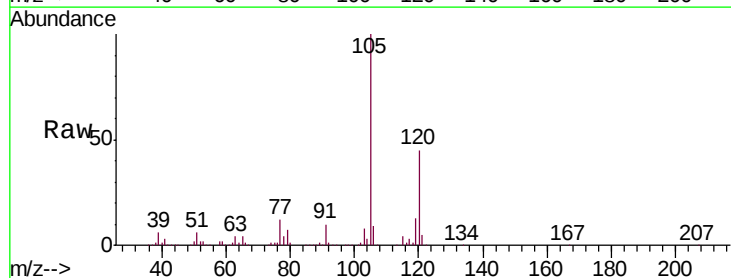
Instrument :
MSVOA_U
ClientSampleId :

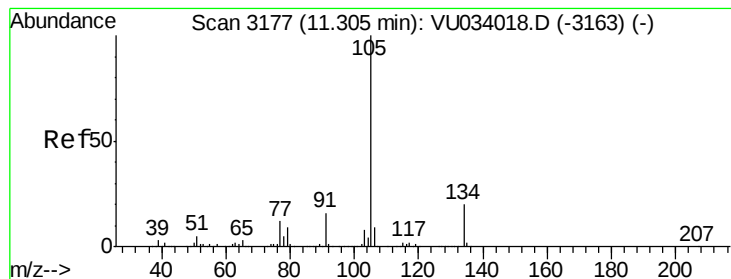
Tot Ion:119 Resp: 357929
Ion Ratio Lower Upper
119 100
91 57.1 27.9 83.6
134 23.1 11.4 34.2



#84
1,2,4-Trimethylbenzene
Concen: 19.745 ug/l
RT: 11.13 min Scan# 3123
Delta R.T. -0.00 min
Lab File: VU034061.D
Acq: 29 Aug 2019 14:54

Tgt Ion:105 Resp: 390977
Ion Ratio Lower Upper
105 100
120 44.7 22.6 67.8





#85

sec-Butylbenzene

Concen: 18.782 ug/l

RT: 11.30 min Scan# 3177

Delta R.T. -0.00 min

Lab File: VU034061.D

Acq: 29 Aug 2019 14:54

Instrument :

MSVOA_U

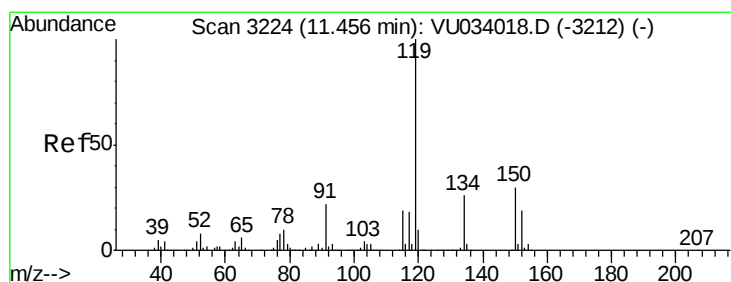
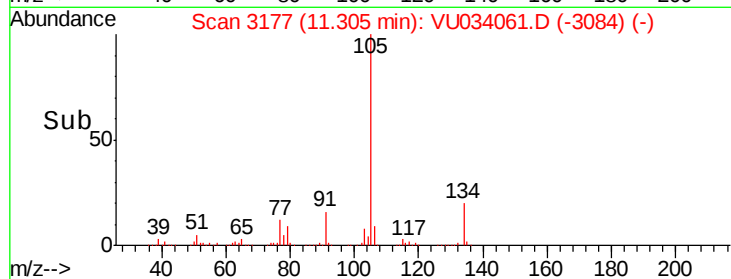
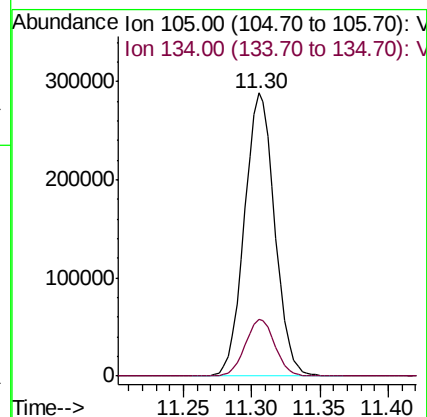
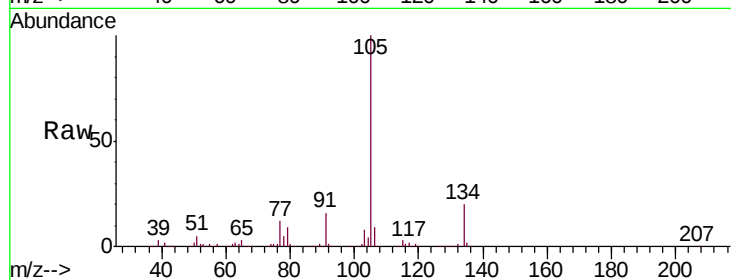
ClientSampleId :

Tot Ion:105 Resp: 441902

Ion Ratio Lower Upper

105 100

134 19.7 10.0 30.0



#86

p-Isopropyltoluene

Concen: 19.242 ug/l

RT: 11.46 min Scan# 3224

Delta R.T. -0.00 min

Lab File: VU034061.D

Acq: 29 Aug 2019 14:54

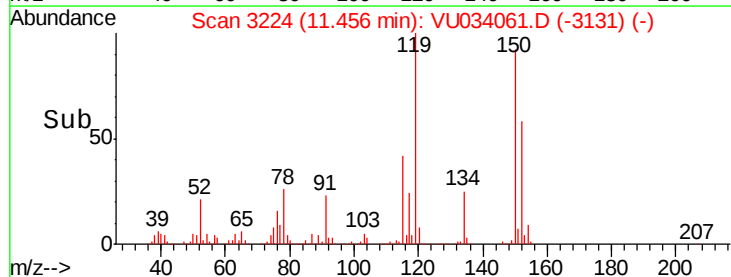
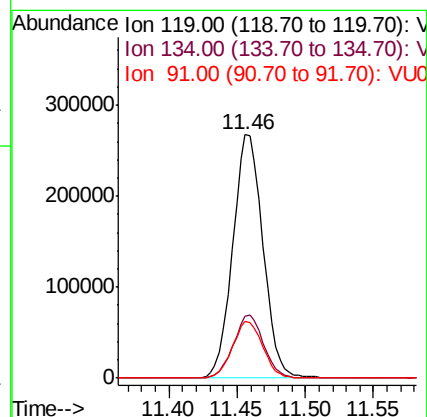
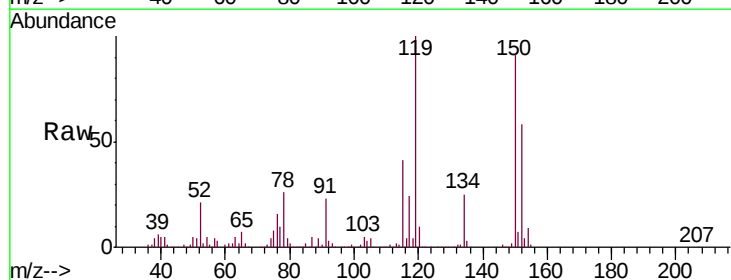
Tgt Ion:119 Resp: 409462

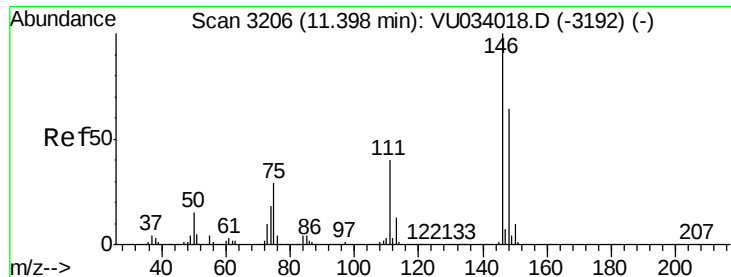
Ion Ratio Lower Upper

119 100

134 26.0 13.1 39.1

91 23.3 11.2 33.6

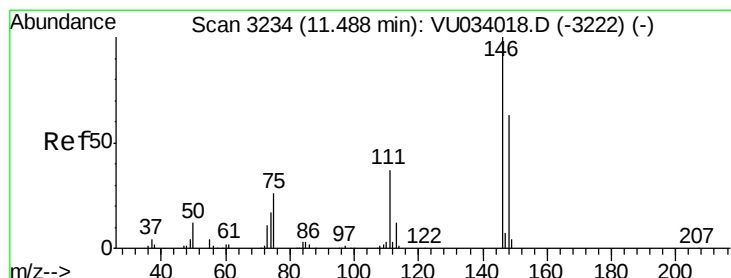
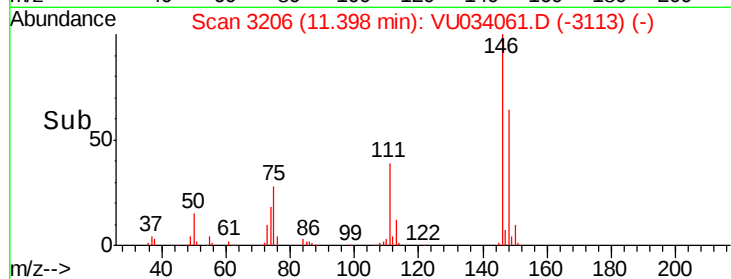
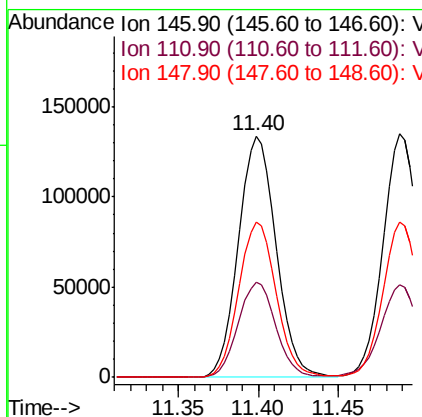
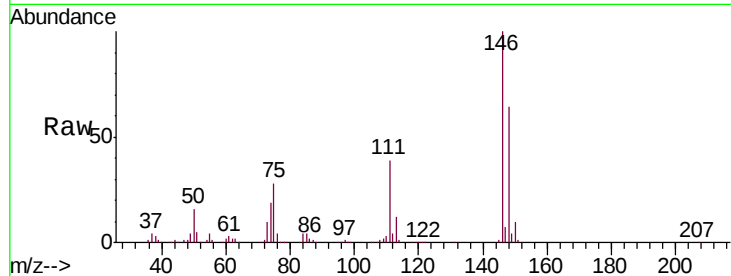




#87
 1,3-Dichlorobenzene
 Concen: 19.171 ug/l
 RT: 11.40 min Scan# 3206
 Delta R.T. -0.00 min
 Lab File: VU034061.D
 Acq: 29 Aug 2019 14:54

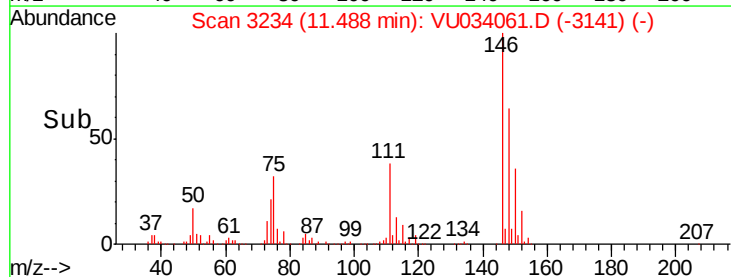
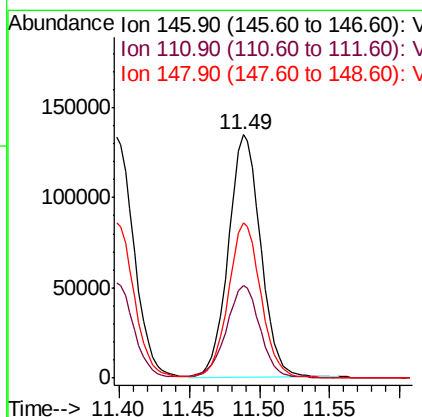
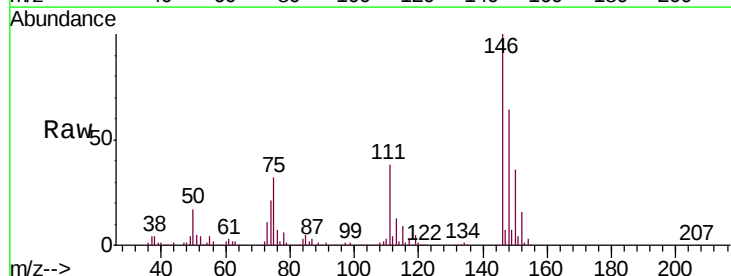
Instrument :
 MSVOA_U
 ClientSampleId :

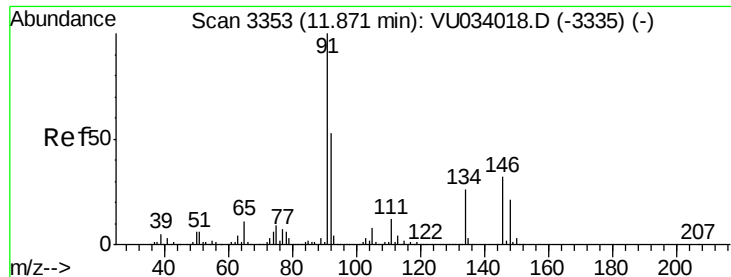
Tot Ion	Ratio	Lower	Upper
146	100		
111	39.3	19.9	59.6
148	64.1	31.9	95.5



#88
 1,4-Dichlorobenzene
 Concen: 18.979 ug/l
 RT: 11.49 min Scan# 3234
 Delta R.T. -0.00 min
 Lab File: VU034061.D
 Acq: 29 Aug 2019 14:54

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.9	19.2	57.6
148	64.7	31.9	95.9

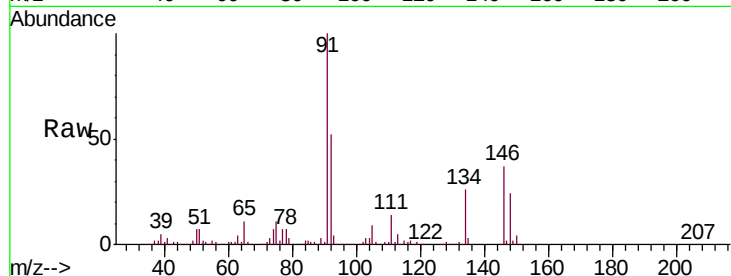




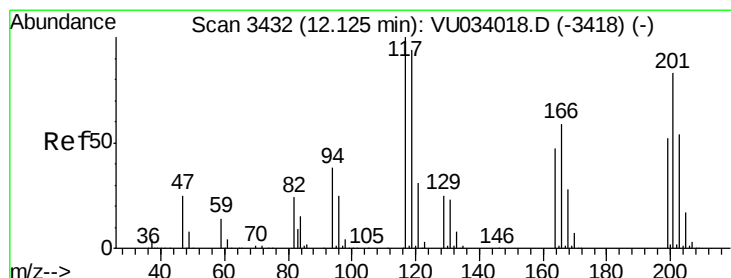
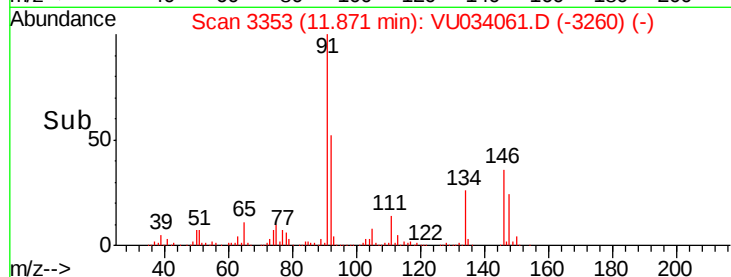
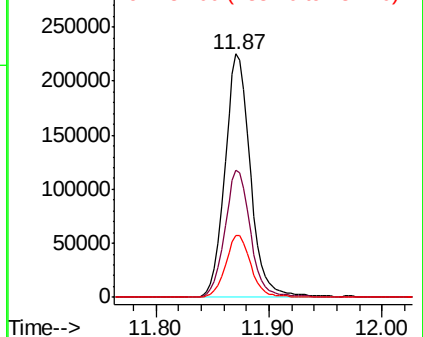
#89
n-Butylbenzene
Concen: 18.825 ug/l
RT: 11.87 min Scan# 3353
Delta R.T. -0.00 min
Lab File: VU034061.D
Acq: 29 Aug 2019 14:54

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 91 Resp: 353175
Ion Ratio Lower Upper
91 100
92 52.8 26.3 78.9
134 25.4 12.9 38.7

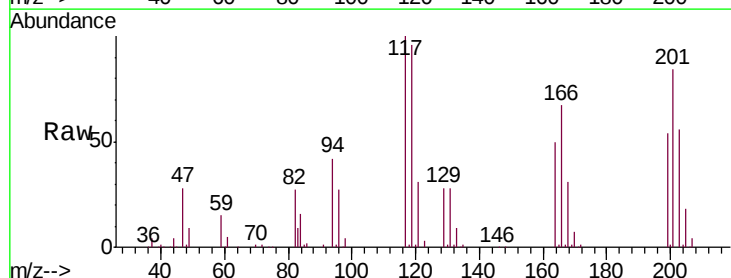


Abundance Ion 91.00 (90.70 to 91.70): VU034061.D (-3260) (-)
Ion 92.00 (91.70 to 92.70): VU034061.D (-3260) (-)
Ion 134.00 (133.70 to 134.70): VU034061.D (-3260) (-)

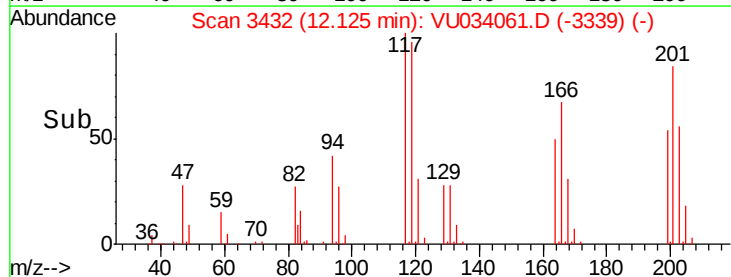
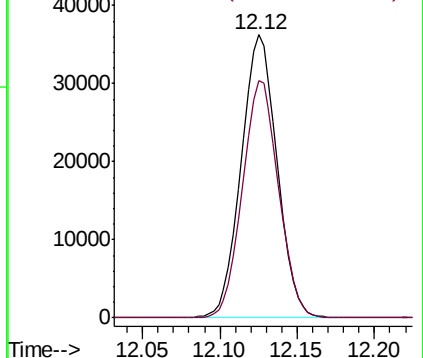


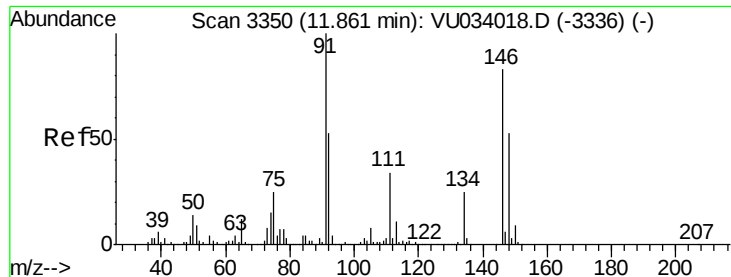
#90
Hexachloroethane
Concen: 15.941 ug/l
RT: 12.12 min Scan# 3432
Delta R.T. -0.00 min
Lab File: VU034061.D
Acq: 29 Aug 2019 14:54

Tgt Ion: 117 Resp: 58648
Ion Ratio Lower Upper
117 100
201 84.1 42.5 127.6



Abundance Ion 116.80 (116.50 to 117.50): VU034061.D (-3339) (-)
Ion 200.70 (200.40 to 201.40): VU034061.D (-3339) (-)

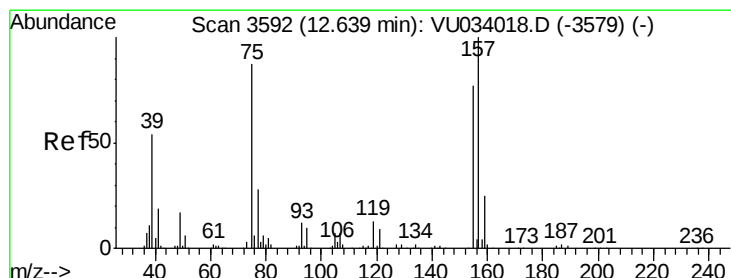
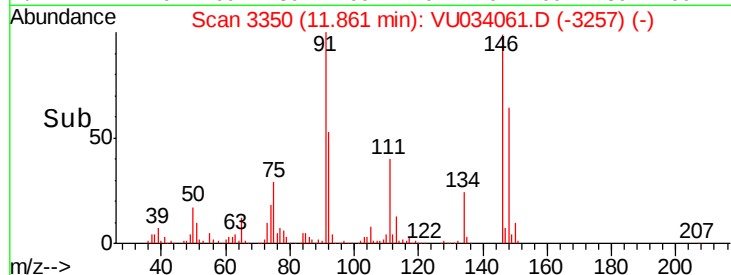
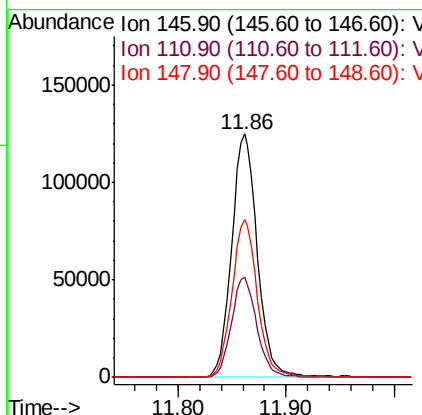
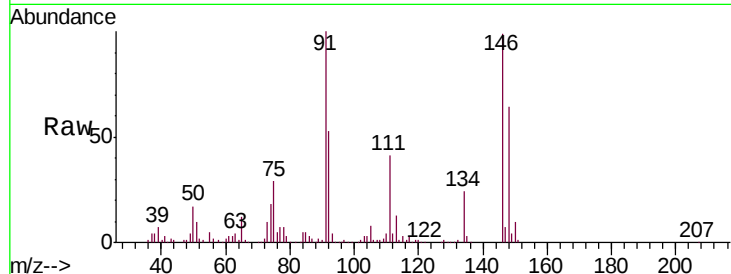




#91
 1,2-Dichlorobenzene
 Concen: 19.347 ug/l
 RT: 11.86 min Scan# 3350
 Delta R.T. -0.00 min
 Lab File: VU034061.D
 Acq: 29 Aug 2019 14:54

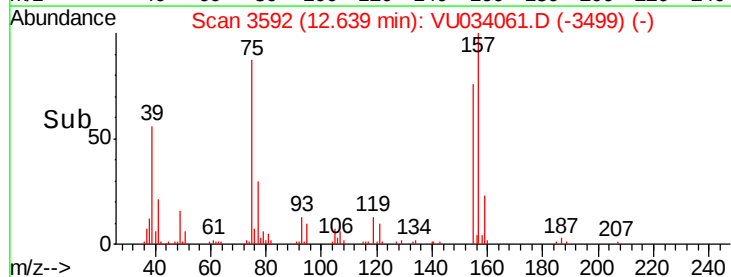
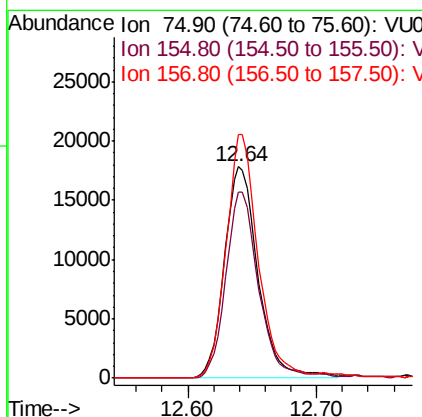
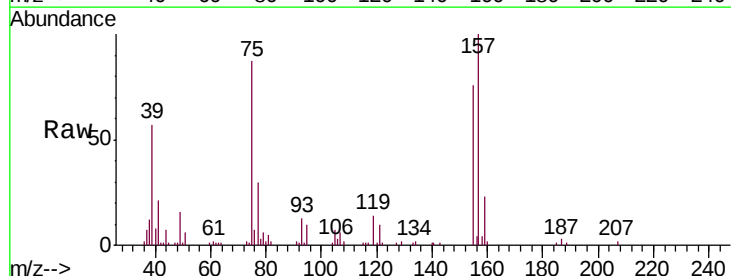
Instrument :
 MSVOA_U
 ClientSampleId :

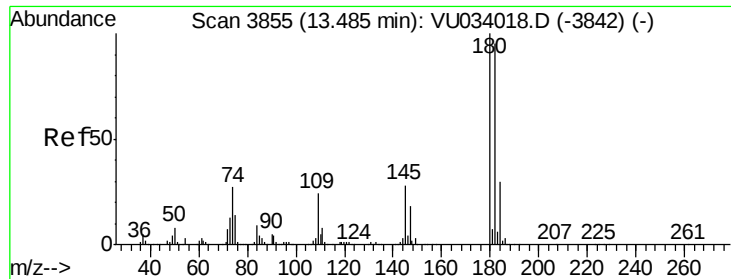
Tot Ion	Ratio	Lower	Upper
146	100		
111	40.6	20.4	61.2
148	64.1	32.3	96.8



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 18.010 ug/l
 RT: 12.64 min Scan# 3592
 Delta R.T. -0.00 min
 Lab File: VU034061.D
 Acq: 29 Aug 2019 14:54

Tgt Ion	Ratio	Lower	Upper
75	100		
155	85.9	43.5	130.7
157	109.7	56.9	170.6

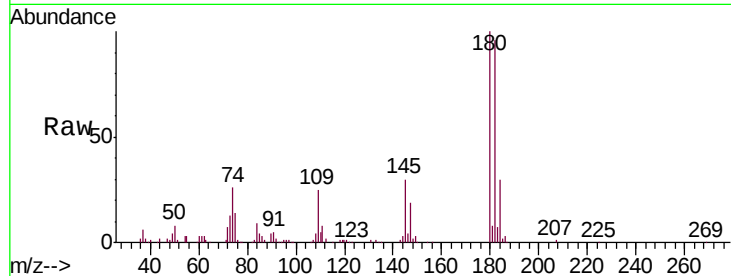




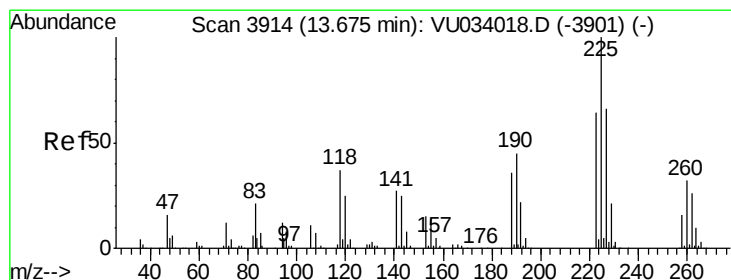
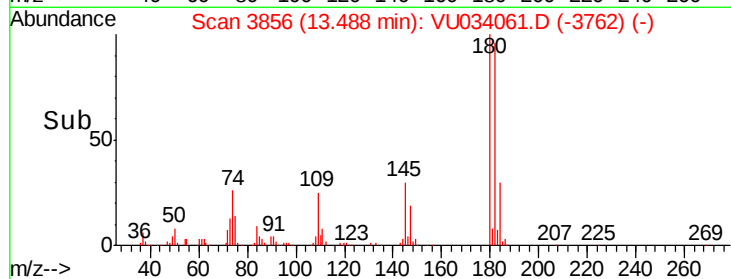
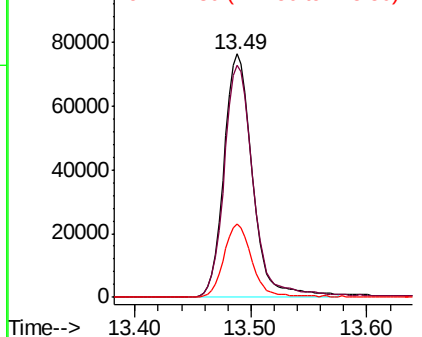
#93
 1,2,4-Trichlorobenzene
 Concen: 17.926 ug/l
 RT: 13.49 min Scan# 3856
 Delta R.T. 0.00 min
 Lab File: VU034061.D
 Acq: 29 Aug 2019 14:54

Instrument :
 MSVOA_U
 ClientSampled :

Tot Ion:180 Resp: 131275
 Ion Ratio Lower Upper
 180 100
 182 97.0 47.4 142.2
 145 29.4 14.1 42.3

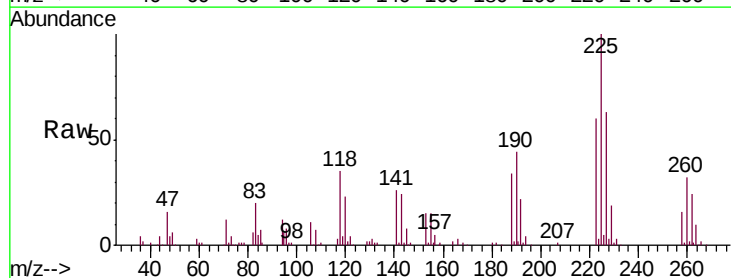


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

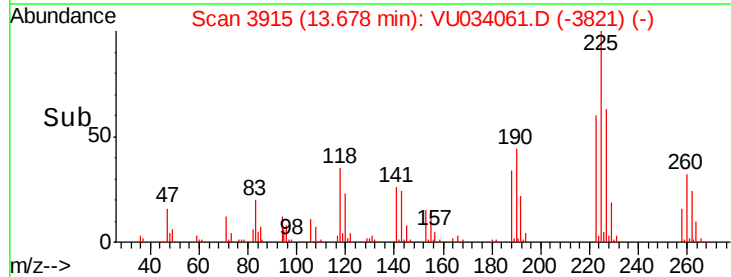
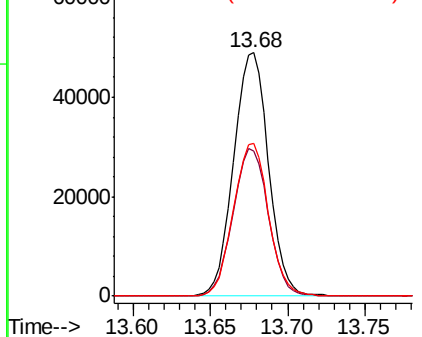


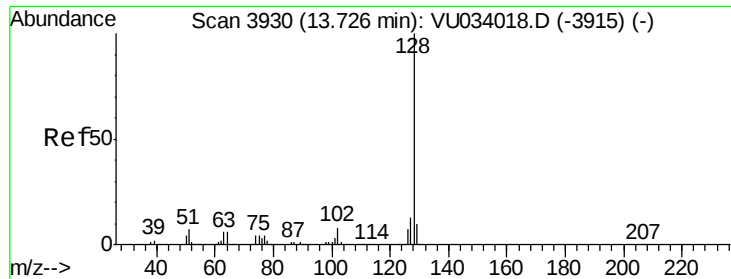
#94
 Hexachlorobutadiene
 Concen: 18.241 ug/l
 RT: 13.68 min Scan# 3915
 Delta R.T. 0.00 min
 Lab File: VU034061.D
 Acq: 29 Aug 2019 14:54

Tgt Ion:225 Resp: 76591
 Ion Ratio Lower Upper
 225 100
 223 61.7 31.8 95.3
 227 63.2 32.6 97.8



Abundance Ion 224.70 (224.40 to 225.40): V
 Ion 222.70 (222.40 to 223.40): V
 Ion 226.70 (226.40 to 227.40): V

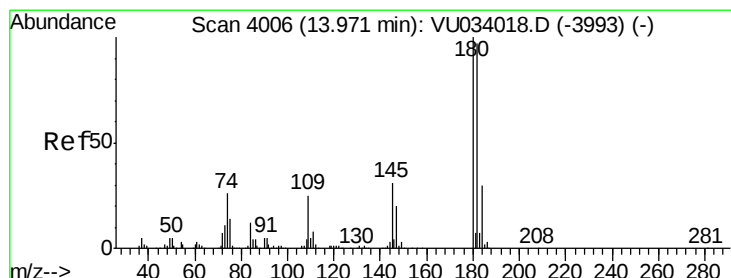
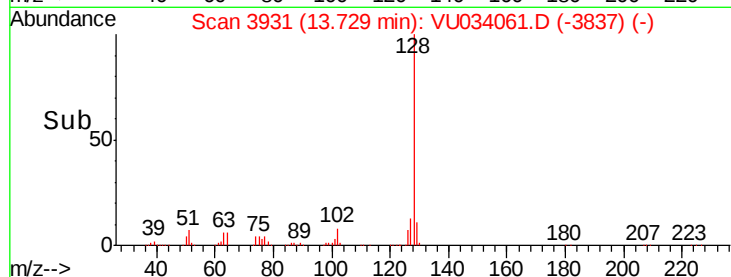
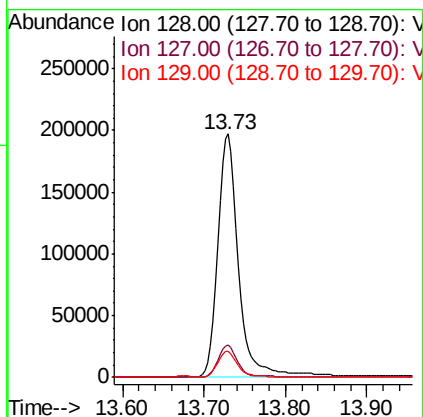
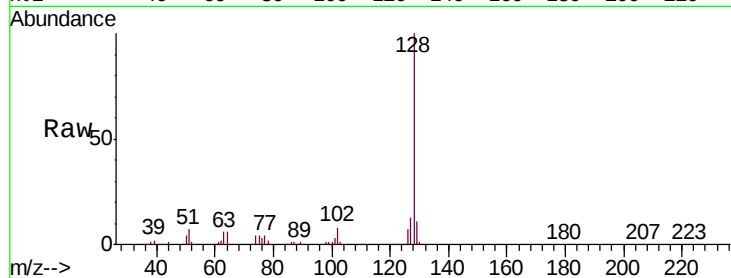




#95
Naphthalene
Concen: 17.582 ug/l
RT: 13.73 min Scan# 3931
Delta R.T. 0.00 min
Lab File: VU034061.D
Acq: 29 Aug 2019 14:54

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion:128 Resp: 358083
Ion Ratio Lower Upper
128 100
127 12.9 10.2 15.4
129 10.5 8.4 12.6



#96
1,2,3-Trichlorobenzene
Concen: 19.382 ug/l
RT: 13.97 min Scan# 4007
Delta R.T. 0.00 min
Lab File: VU034061.D
Acq: 29 Aug 2019 14:54

Tgt Ion:180 Resp: 133264
Ion Ratio Lower Upper
180 100
182 95.8 48.2 144.6
145 30.4 15.5 46.5

