

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU090219\
 Data File : VU034185.D
 Acq On : 01 Sep 2019 21:31
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Sep 02 08:36:56 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	393020	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.86	114	632358	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.07	117	613828	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.46	152	339677	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	248075	49.26	ug/l	0.00
Spiked Amount			Recovery	=	98.52%	
35) Dibromofluoromethane	4.86	113	213644	48.71	ug/l	0.00
Spiked Amount			Recovery	=	97.42%	
50) Toluene-d8	7.55	98	833672	50.76	ug/l	0.00
Spiked Amount			Recovery	=	101.52%	
62) 4-Bromofluorobenzene	10.29	95	316803	49.59	ug/l	0.00
Spiked Amount			Recovery	=	99.18%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	187985	47.559	ug/l	99
3) Chloromethane	1.32	50	233002	43.884	ug/l	100
4) Vinyl Chloride	1.40	62	246059	46.772	ug/l	99
5) Bromomethane	1.61	94	123999	48.831	ug/l	98
6) Chloroethane	1.69	64	150706	46.858	ug/l	99
7) Trichlorofluoromethane	1.87	101	292850	48.042	ug/l	99
8) Diethyl Ether	2.09	74	130940	50.213	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	2.28	101	187996	48.683	ug/l	98
10) Methyl Iodide	2.40	142	137060	25.020	ug/l	99
11) Tert butyl alcohol	2.81	59	263688	227.061	ug/l	99
12) 1,1-Dichloroethene	2.27	96	192807	49.004	ug/l	100
13) Acrolein	2.18	56	89683	183.576	ug/l	100
14) Allyl chloride	2.58	41	316420	42.773	ug/l	92
15) Acrylonitrile	2.92	53	681063	255.573	ug/l	100
16) Acetone	2.31	43	550506	214.242	ug/l	99
17) Carbon Disulfide	2.47	76	538818	43.270	ug/l	99
18) Methyl Acetate	2.60	43	322733	48.603	ug/l	99
19) Methyl tert-butyl Ether	2.98	73	673606	52.252	ug/l	99
20) Methylene Chloride	2.69	84	237179	48.758	ug/l	96
21) trans-1,2-Dichloroethene	2.97	96	209775	49.126	ug/l	99
22) Diisopropyl ether	3.55	45	716247	52.839	ug/l	98
23) Vinyl Acetate	3.50	43	3012909	258.740	ug/l	100
24) 1,1-Dichloroethane	3.42	63	408582	51.054	ug/l	100
25) 2-Butanone	4.23	43	891562	249.393	ug/l	99
26) 2,2-Dichloropropane	4.20	77	274260	42.116	ug/l	97
27) cis-1,2-Dichloroethene	4.20	96	242751	50.649	ug/l	98
28) Bromochloromethane	4.52	49	201920	51.211	ug/l	99
29) Tetrahydrofuran	4.61	42	574919	260.775	ug/l	99
30) Chloroform	4.65	83	393543	49.286	ug/l	99
31) Cyclohexane	4.97	56	343460	45.673	ug/l	99
32) 1,1,1-Trichloroethane	4.89	97	329206	50.340	ug/l	99
36) 1,1-Dichloropropene	5.12	75	284455	47.557	ug/l	100
37) Ethyl Acetate	4.36	43	325965	48.666	ug/l	100
38) Carbon Tetrachloride	5.11	117	278008	48.152	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.40	83	323529	45.892	ug/l	98
40) Benzene	5.37	78	885054	48.907	ug/l	99
41) Methacrylonitrile	4.52	41	179060	52.127	ug/l	99
42) 1,2-Dichloroethane	5.38	62	303365	48.546	ug/l	99
43) Isopropyl Acetate	5.53	43	505986	49.655	ug/l	100
44) Trichloroethene	6.17	130	237476	49.972	ug/l	97
45) 1,2-Dichloropropane	6.41	63	251538	50.494	ug/l	99
46) Dibromomethane	6.54	93	158500	49.386	ug/l	99
47) Bromodichloromethane	6.74	83	313005	49.848	ug/l	99
48) Methyl methacrylate	6.60	41	246616	50.154	ug/l	98
49) 1,4-Dioxane	6.59	88	107686	874.053	ug/l	98
51) 4-Methyl-2-Pentanone	7.44	43	1716713	243.946	ug/l	99
52) Toluene	7.62	92	562474	50.455	ug/l	100
53) t-1,3-Dichloropropene	7.86	75	328086	47.089	ug/l	100
54) cis-1,3-Dichloropropene	7.25	75	372135	48.889	ug/l	98
55) 1,1,2-Trichloroethane	8.05	97	233768	49.575	ug/l	100
56) Ethyl methacrylate	8.00	69	353496	45.288	ug/l	100
57) 1,3-Dichloropropane	8.22	76	395453	49.391	ug/l	98
58) 2-Chloroethyl Vinyl ether	7.11	63	618343	237.028	ug/l	100
59) 2-Hexanone	8.34	43	1304599	245.572	ug/l	100
60) Dibromochloromethane	8.46	129	247145	48.826	ug/l	100
61) 1,2-Dibromoethane	8.57	107	237128	47.738	ug/l	99
64) Tetrachloroethene	8.21	164	212270	51.494	ug/l	99
65) Chlorobenzene	9.10	112	618836	48.990	ug/l	99
66) 1,1,1,2-Tetrachloroethane	9.19	131	219031	47.818	ug/l	99
67) Ethyl Benzene	9.23	91	1068164	49.884	ug/l	99
68) m/p-Xylenes	9.36	106	834223	102.459	ug/l	99
69) o-Xylene	9.76	106	399007	51.080	ug/l	100
70) Styrene	9.77	104	712037	53.163	ug/l	99
71) Bromoform	9.94	173	185490	46.609	ug/l	# 100
73) Isopropylbenzene	10.15	105	1072092	46.989	ug/l	100
74) N-amyl acetate	9.99	43	458173	47.745	ug/l	99
75) 1,1,2,2-Tetrachloroethane	10.44	83	389751	44.631	ug/l	99
76) 1,2,3-Trichloropropane	10.47	75	413087	53.958	ug/l	86
77) Bromobenzene	10.43	156	281396	45.848	ug/l	98
78) n-propylbenzene	10.57	91	1260240	47.429	ug/l	100
79) 2-Chlorotoluene	10.64	91	745592	46.782	ug/l	100
80) 1,3,5-Trimethylbenzene	10.75	105	926836	47.928	ug/l	100
81) trans-1,4-Dichloro-2-buten	10.47	75	414674	182.387	ug/l	# 100
82) 4-Chlorotoluene	10.75	91	866889	47.295	ug/l	100
83) tert-Butylbenzene	11.08	119	871885	45.800	ug/l	99
84) 1,2,4-Trimethylbenzene	11.13	105	935397	48.713	ug/l	99
85) sec-Butylbenzene	11.30	105	1063480	46.610	ug/l	100
86) p-Isopropyltoluene	11.46	119	973514	47.176	ug/l	100
87) 1,3-Dichlorobenzene	11.39	146	510003	46.937	ug/l	100
88) 1,4-Dichlorobenzene	11.48	146	513199	46.702	ug/l	99
89) n-Butylbenzene	11.87	91	867735	47.695	ug/l	100
90) Hexachloroethane	12.12	117	138336	38.774	ug/l	99
91) 1,2-Dichlorobenzene	11.86	146	499630	48.002	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.64	75	77607	44.608	ug/l	99

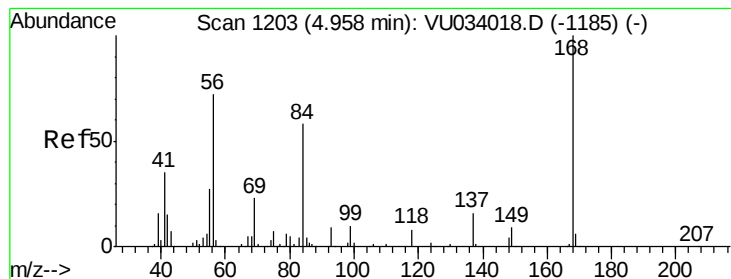
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.48	180	343216	46.440	ug/l	99
94) Hexachlorobutadiene	13.67	225	152223	37.385	ug/l	98
95) Naphthalene	13.72	128	988390	46.739	ug/l	100
96) 1,2,3-Trichlorobenzene	13.97	180	337898	50.678	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: VU034185.D

Acq: 01 Sep 2019 21:31

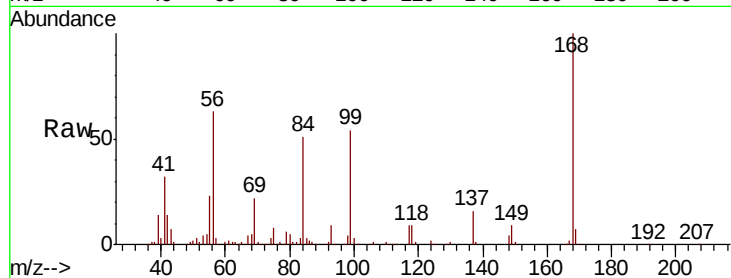
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion:168 Resp: 393020

Ion Ratio Lower Upper

168 100

99 53.2 42.3 63.5



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

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

4.96

150000

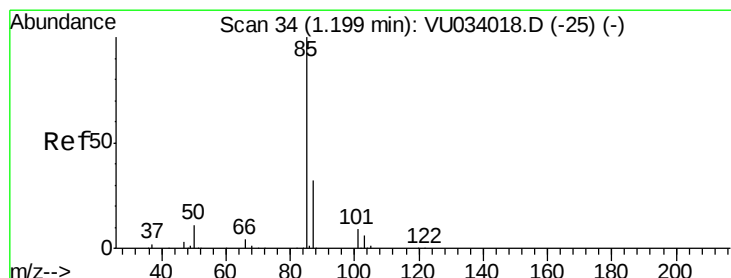
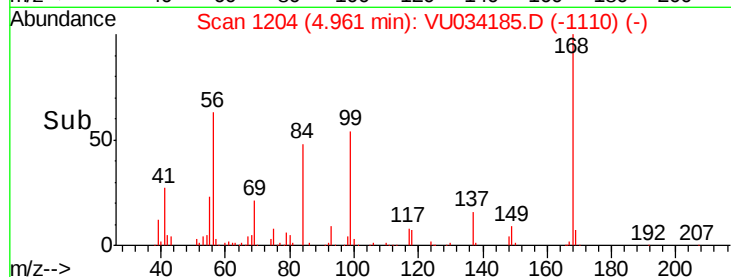
100000

50000

0

4.90 5.00 5.10

Time-->



#2

Dichlorodifluoromethane

Concen: 47.559 ug/l

RT: 1.20 min Scan# 35

Delta R.T. 0.00 min

Lab File: VU034185.D

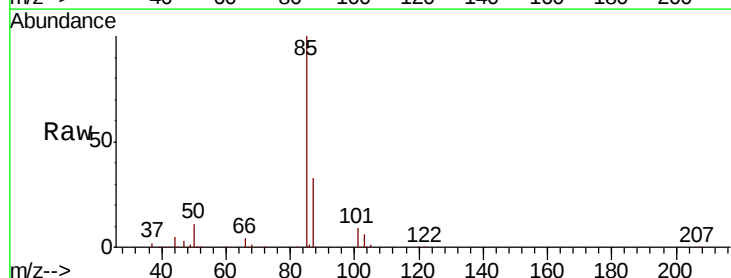
Acq: 01 Sep 2019 21:31

Tgt Ion: 85 Resp: 187985

Ion Ratio Lower Upper

85 100

87 32.9 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

200000

150000

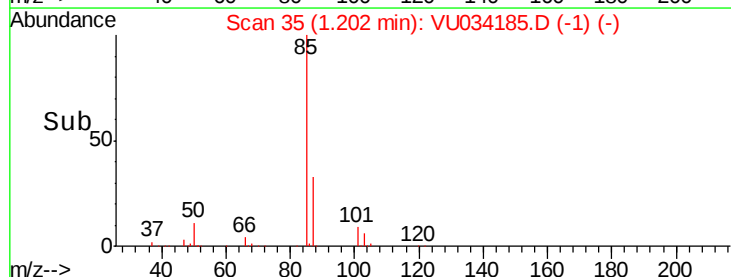
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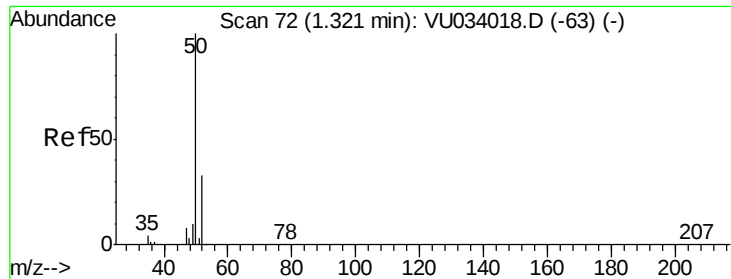
50000

0

1.15 1.20 1.25

Time-->





#3

Chloromethane

Concen: 43.884 ug/l

RT: 1.32 min Scan# 73

Delta R.T. 0.00 min

Lab File: VU034185.D

Acq: 01 Sep 2019 21:31

Instrument :

MSVOA_U

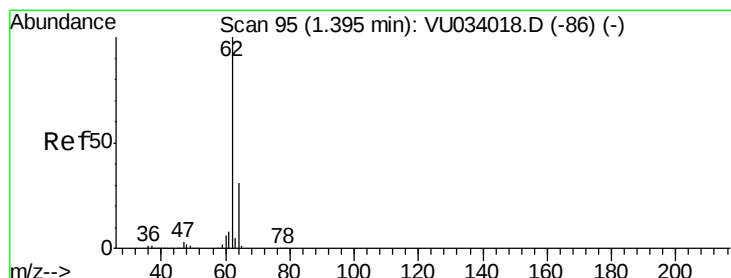
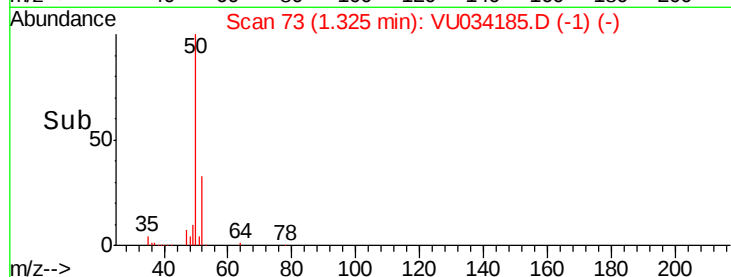
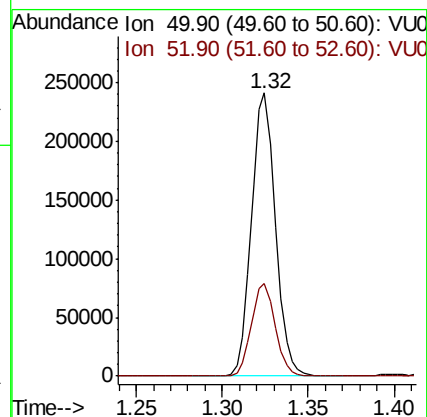
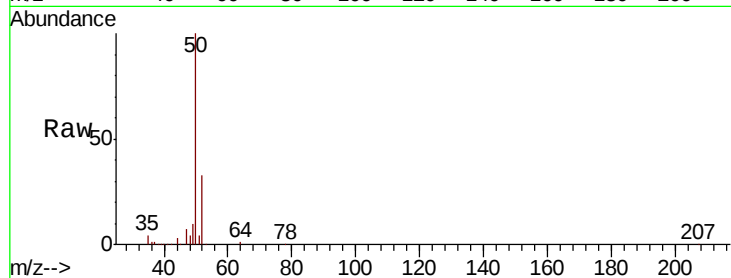
ClientSampled :

Tot Ion: 50 Resp: 233002

Ion Ratio Lower Upper

50 100

52 32.8 26.2 39.4



#4

Vinyl Chloride

Concen: 46.772 ug/l

RT: 1.40 min Scan# 96

Delta R.T. 0.00 min

Lab File: VU034185.D

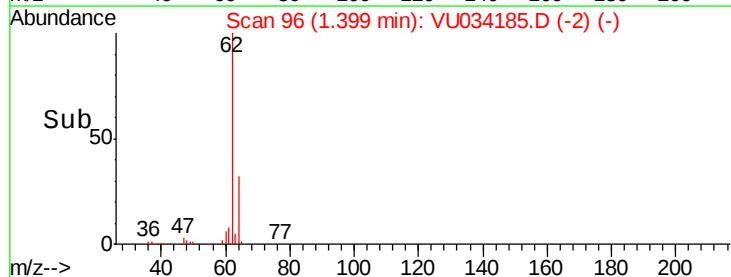
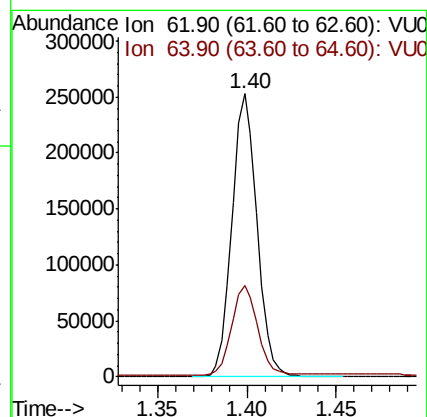
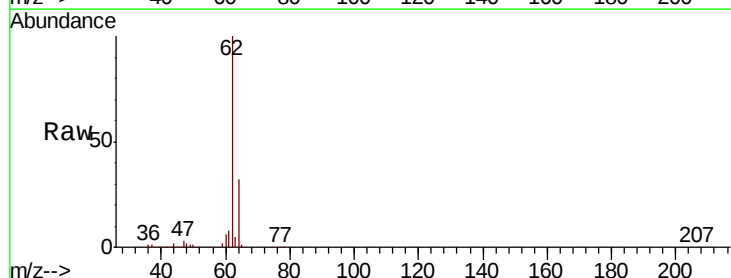
Acq: 01 Sep 2019 21:31

Tgt Ion: 62 Resp: 246059

Ion Ratio Lower Upper

62 100

64 31.7 25.0 37.6





#5

Bromomethane

Concen: 48.831 ug/l

RT: 1.61 min Scan# 162

Delta R.T. 0.01 min

Lab File: VU034185.D

Acq: 01 Sep 2019 21:31

Instrument :

MSVOA_U

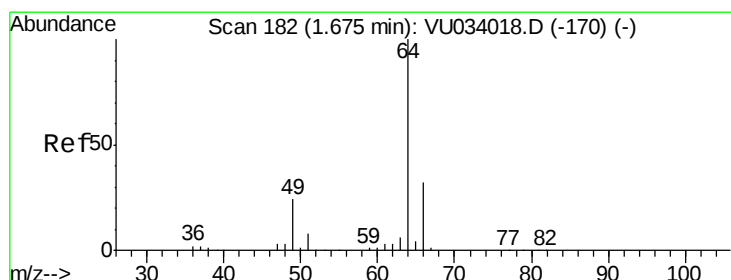
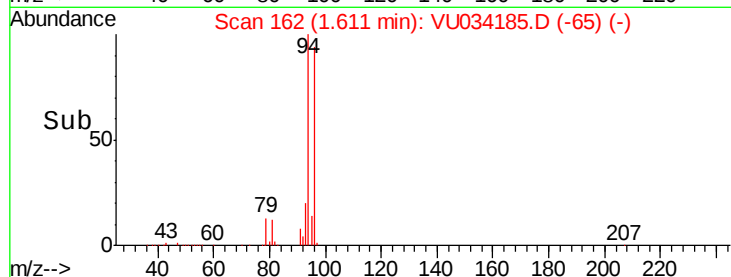
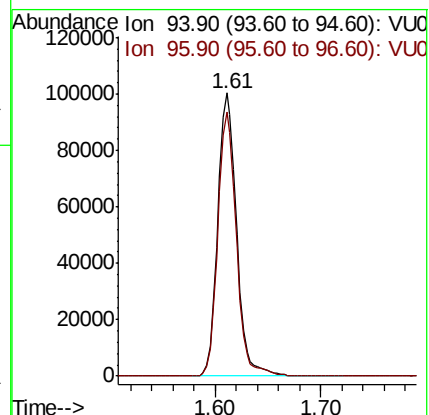
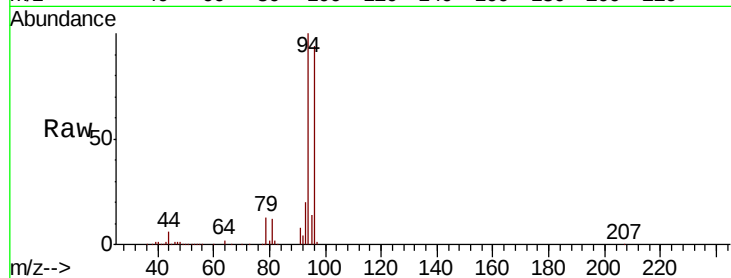
ClientSampled :

Tot Ion: 94 Resp: 123999

Ion Ratio Lower Upper

94 100

96 93.5 76.3 114.5



#6

Chloroethane

Concen: 46.858 ug/l

RT: 1.69 min Scan# 186

Delta R.T. 0.01 min

Lab File: VU034185.D

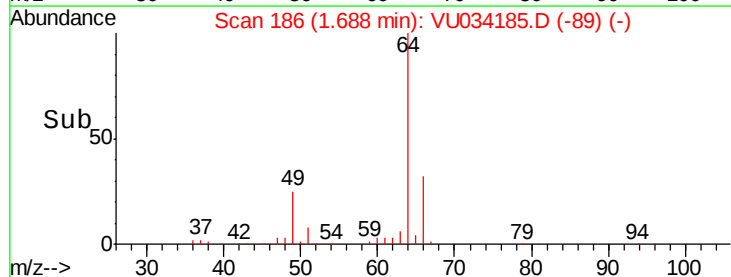
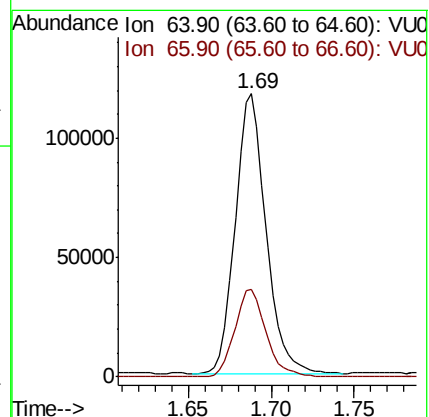
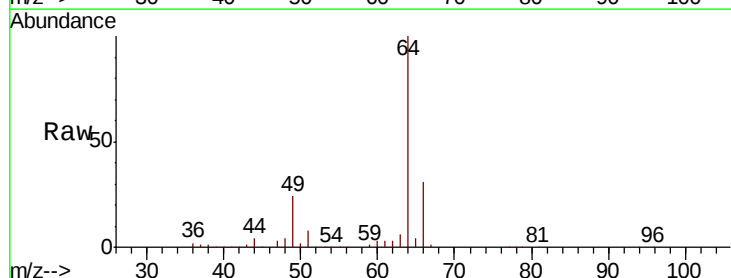
Acq: 01 Sep 2019 21:31

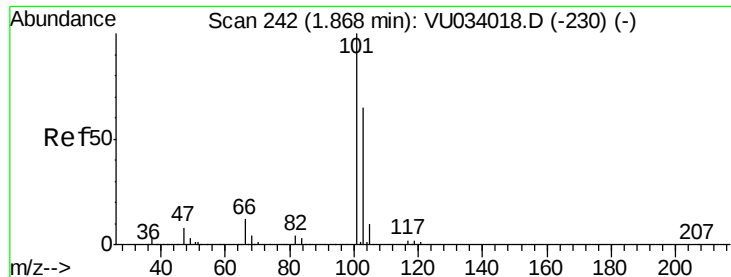
Tgt Ion: 64 Resp: 150706

Ion Ratio Lower Upper

64 100

66 31.3 25.5 38.3



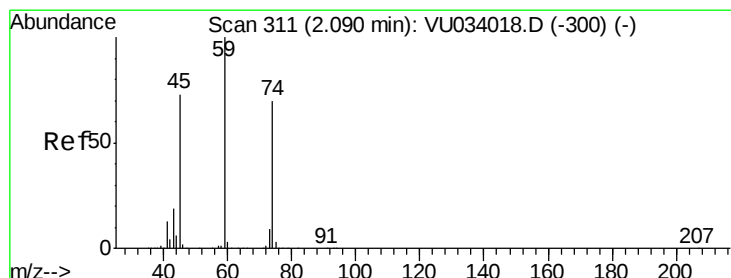
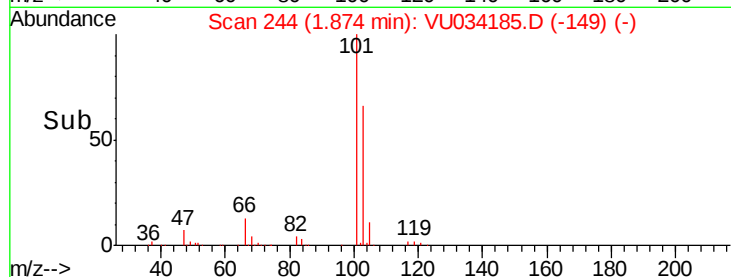
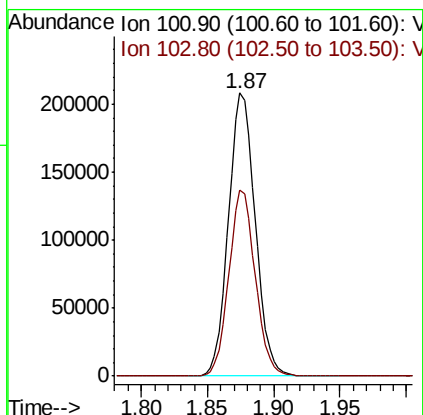
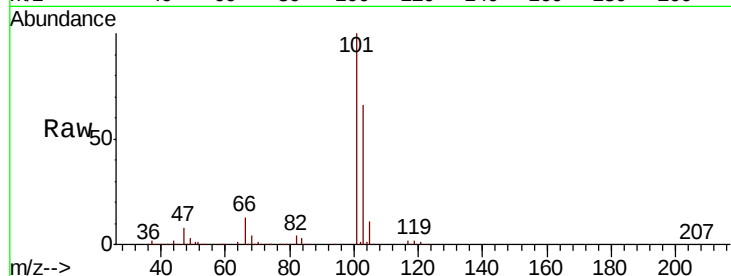


#7

Trichlorofluoromethane
Concen: 48.042 ug/l
RT: 1.87 min Scan# 244
Delta R.T. 0.01 min
Lab File: VU034185.D
Acq: 01 Sep 2019 21:31

Instrument :
MSVOA_U
ClientSampleId :

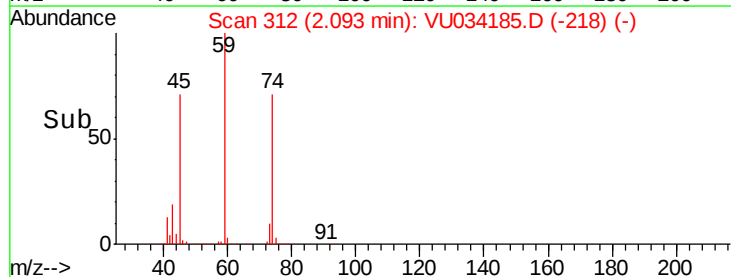
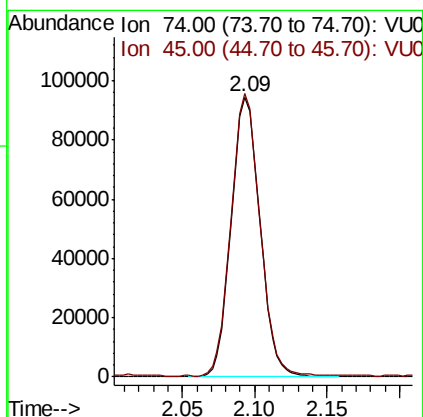
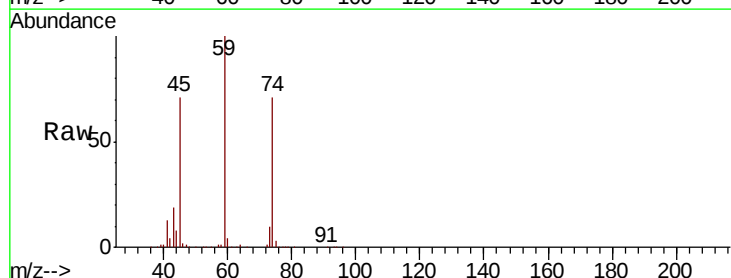
Tot Ion:101 Resp: 292850
Ion Ratio Lower Upper
101 100
103 65.6 52.1 78.1



#8

Diethyl Ether
Concen: 50.213 ug/l
RT: 2.09 min Scan# 312
Delta R.T. 0.00 min
Lab File: VU034185.D
Acq: 01 Sep 2019 21:31

Tgt Ion: 74 Resp: 130940
Ion Ratio Lower Upper
74 100
45 100.8 51.8 155.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 48.683 ug/l

RT: 2.28 min Scan# 369

Delta R.T. 0.01 min

Lab File: VU034185.D

Acq: 01 Sep 2019 21:31

Instrument :

MSVOA_U

ClientSampleId :

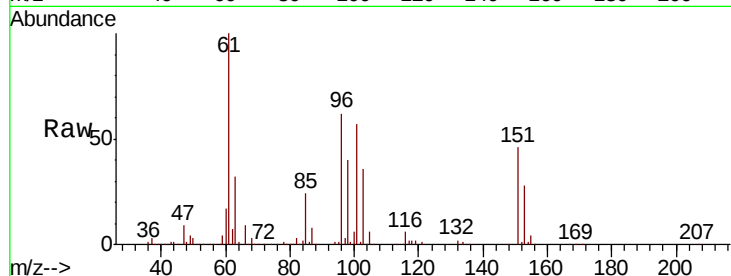
Tot Ion:101 Resp: 187996

Ion Ratio Lower Upper

101 100

85 42.5 34.2 51.2

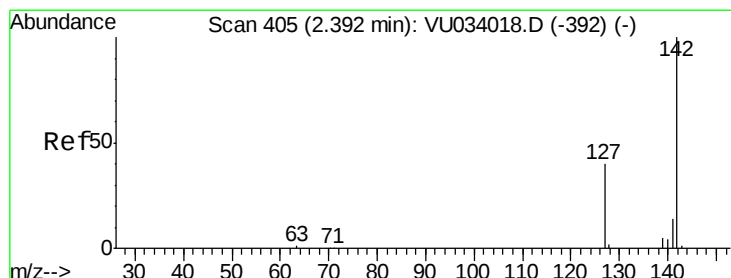
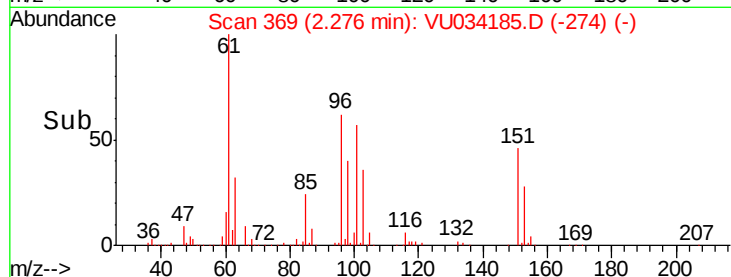
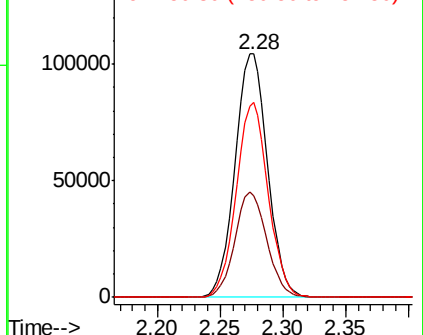
151 78.7 61.4 92.2



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VU0

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 25.020 ug/l

RT: 2.40 min Scan# 407

Delta R.T. 0.01 min

Lab File: VU034185.D

Acq: 01 Sep 2019 21:31

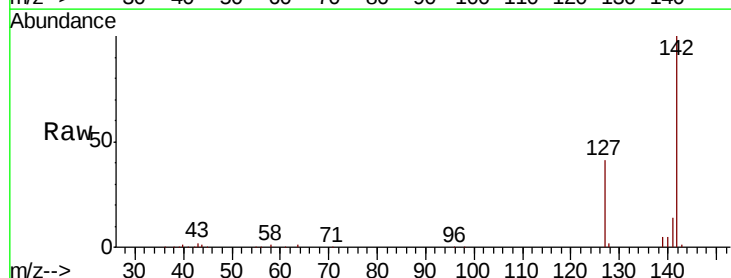
Tgt Ion:142 Resp: 137060

Ion Ratio Lower Upper

142 100

127 41.8 32.6 48.8

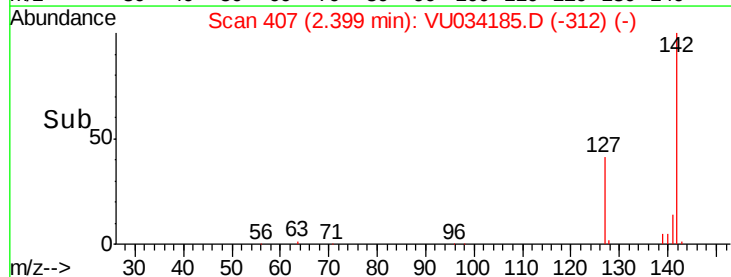
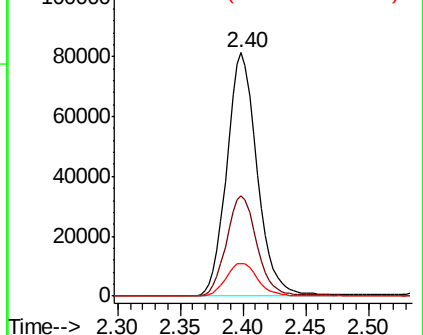
141 14.0 11.3 16.9

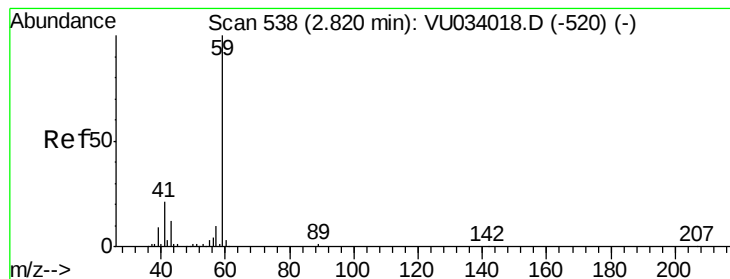


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



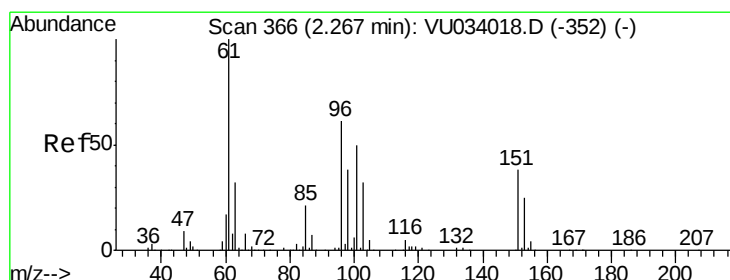
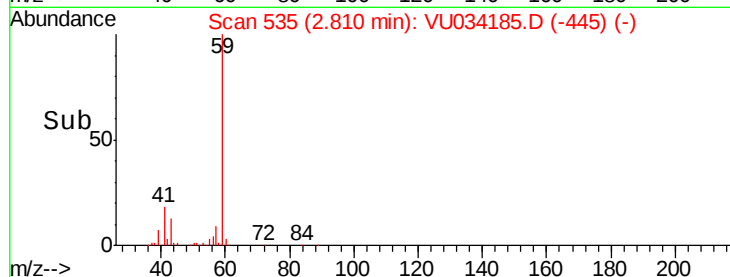
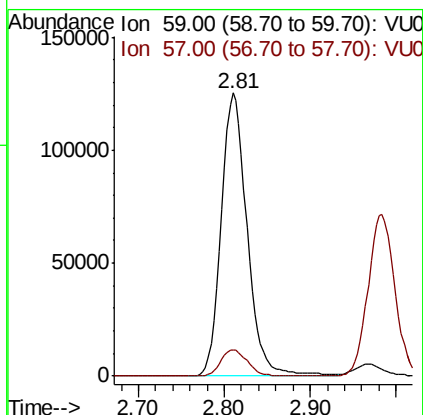
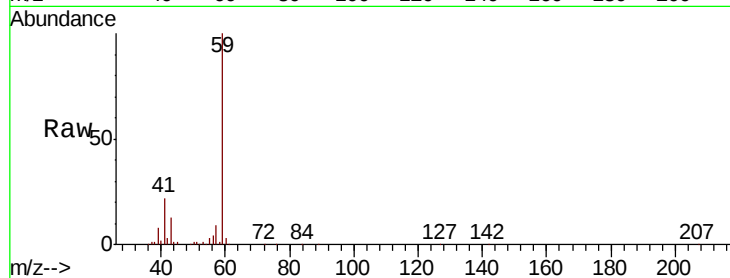


#11

Tert butyl alcohol
 Concen: 227.061 ug/l
 RT: 2.81 min Scan# 535
 Delta R.T. -0.01 min
 Lab File: VU034185.D
 Acq: 01 Sep 2019 21:31

Instrument :
 MSVOA_U
 ClientSampleId :

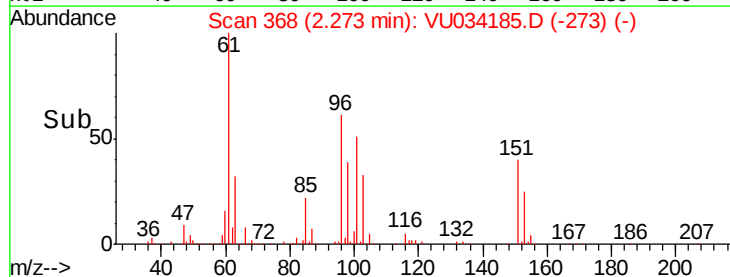
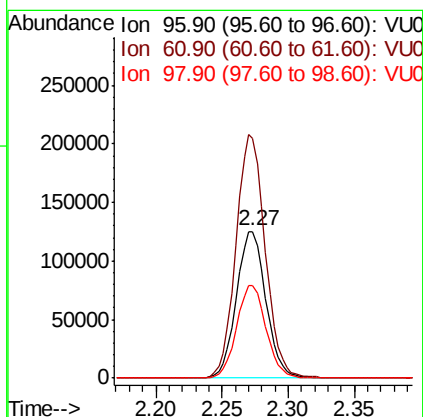
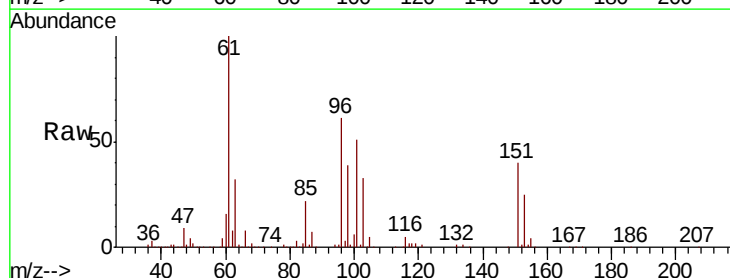
Tot Ion: 59 Resp: 263688
 Ion Ratio Lower Upper
 59 100
 57 9.7 8.0 12.0

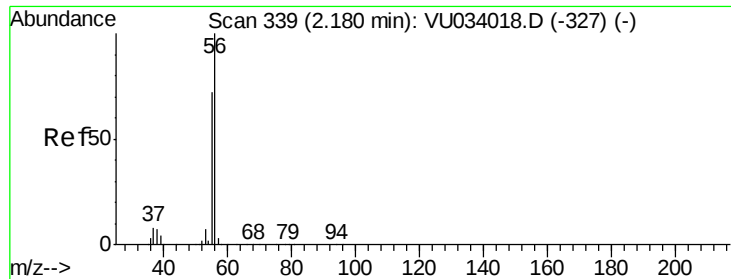


#12

1,1-Dichloroethene
 Concen: 49.004 ug/l
 RT: 2.27 min Scan# 368
 Delta R.T. 0.01 min
 Lab File: VU034185.D
 Acq: 01 Sep 2019 21:31

Tgt Ion: 96 Resp: 192807
 Ion Ratio Lower Upper
 96 100
 61 164.3 131.3 196.9
 98 63.6 50.3 75.5

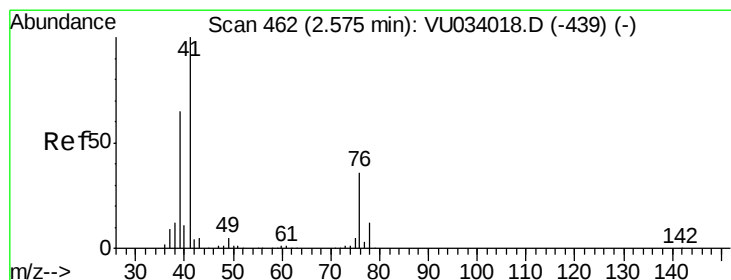
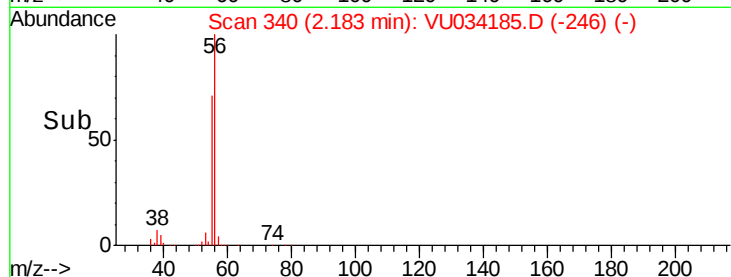
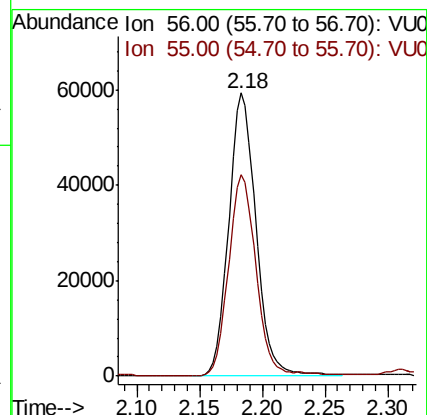
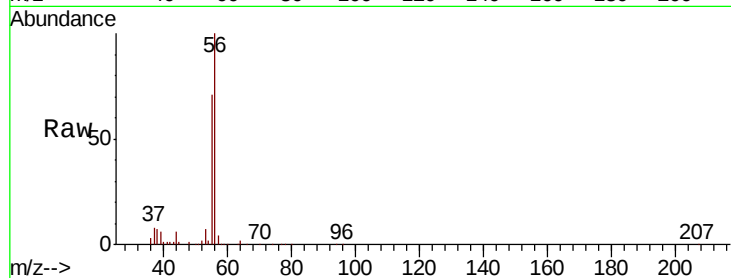




#13
Acrolein
Concen: 183.576 ug/l
RT: 2.18 min Scan# 340
Delta R.T. 0.00 min
Lab File: VU034185.D
Acq: 01 Sep 2019 21:31

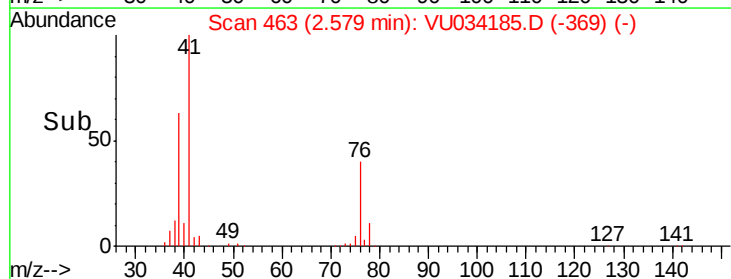
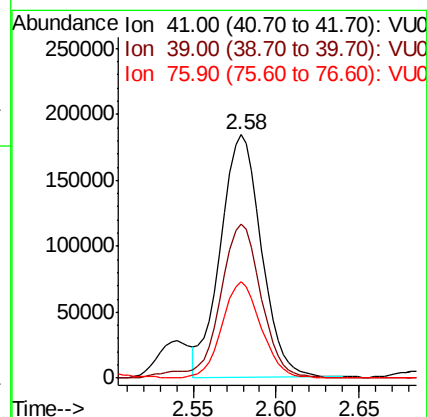
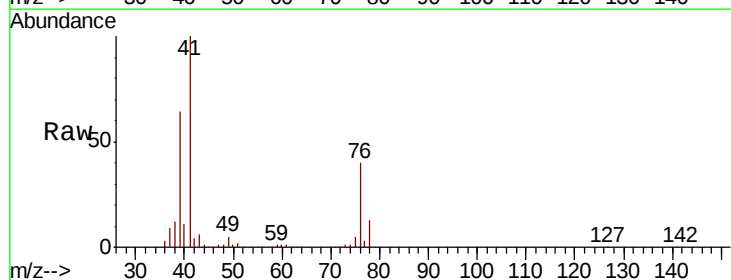
Instrument :
MSVOA_U
ClientSampleId :

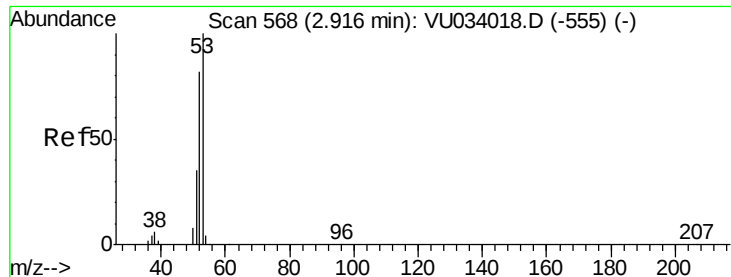
Tot Ion: 56 Resp: 89683
Ion Ratio Lower Upper
56 100
55 71.1 57.1 85.7



#14
Allyl chloride
Concen: 42.773 ug/l
RT: 2.58 min Scan# 463
Delta R.T. 0.00 min
Lab File: VU034185.D
Acq: 01 Sep 2019 21:31

Tgt Ion: 41 Resp: 316420
Ion Ratio Lower Upper
41 100
39 64.1 46.8 70.2
76 37.7 26.6 40.0





#15

Acrylonitrile

Concen: 255.573 ug/l

RT: 2.92 min Scan# 568

Delta R.T. -0.00 min

Lab File: VU034185.D

Acq: 01 Sep 2019 21:31

Instrument :

MSVOA_U

ClientSampleId :

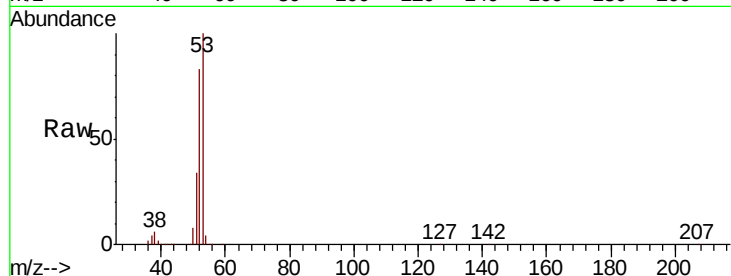
Tot Ion: 53 Resp: 681063

Ion Ratio Lower Upper

53 100

52 81.8 65.7 98.5

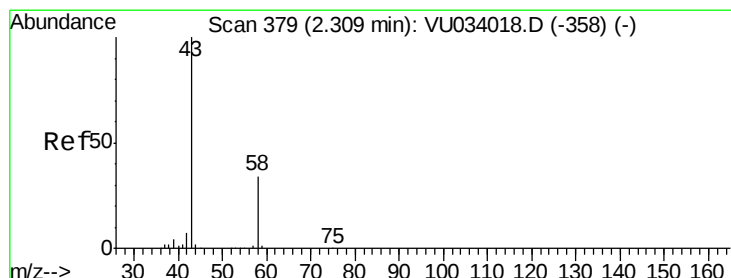
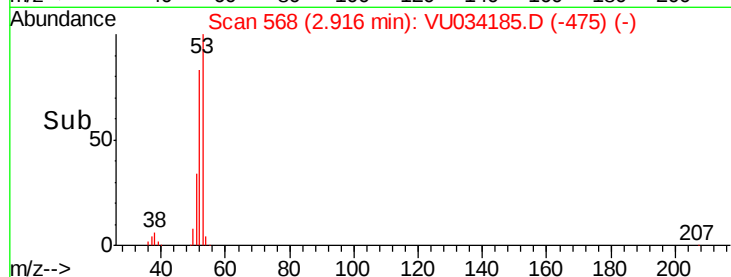
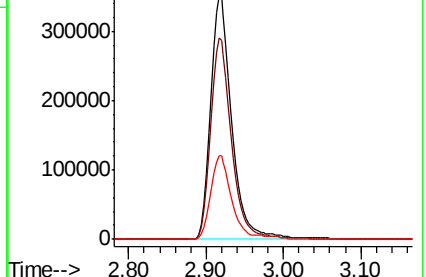
51 35.0 27.9 41.9



Abundance Ion 53.00 (52.70 to 53.70): VU034185.D (-555) (-)

Ion 52.00 (51.70 to 52.70): VU034185.D (-555) (-)

Ion 51.00 (50.70 to 51.70): VU034185.D (-555) (-)



#16

Acetone

Concen: 214.242 ug/l

RT: 2.31 min Scan# 379

Delta R.T. -0.00 min

Lab File: VU034185.D

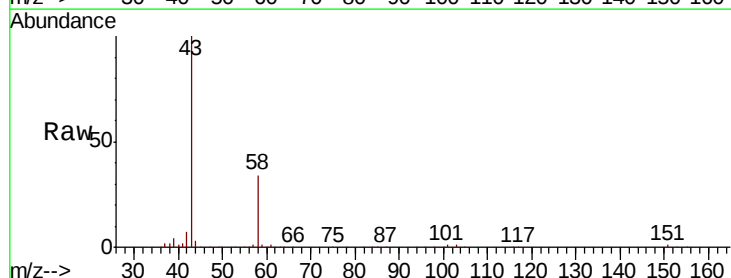
Acq: 01 Sep 2019 21:31

Tgt Ion: 43 Resp: 550506

Ion Ratio Lower Upper

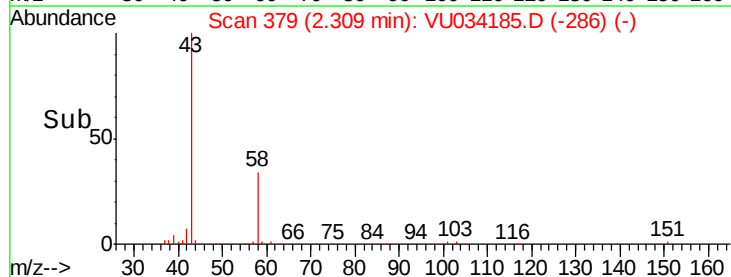
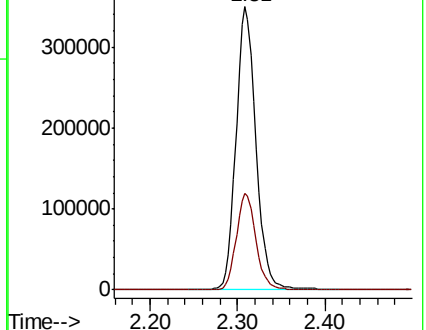
43 100

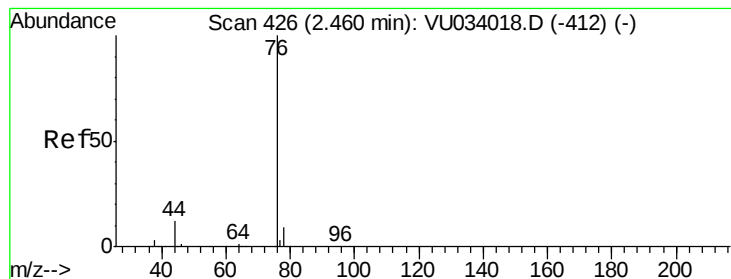
58 34.0 26.8 40.2



Abundance Ion 43.00 (42.70 to 43.70): VU034185.D (-286) (-)

Ion 58.00 (57.70 to 58.70): VU034185.D (-286) (-)





#17

Carbon Disulfide

Concen: 43.270 ug/l

RT: 2.47 min Scan# 428

Delta R.T. 0.01 min

Lab File: VU034185.D

Acq: 01 Sep 2019 21:31

Instrument :

MSVOA_U

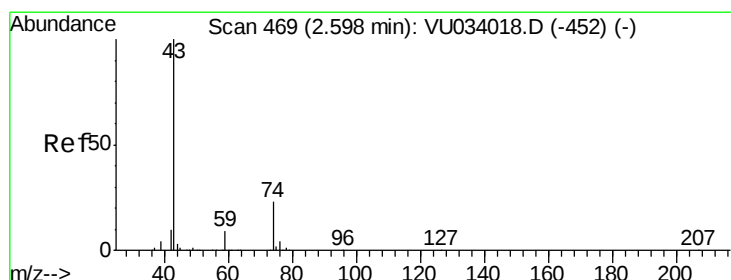
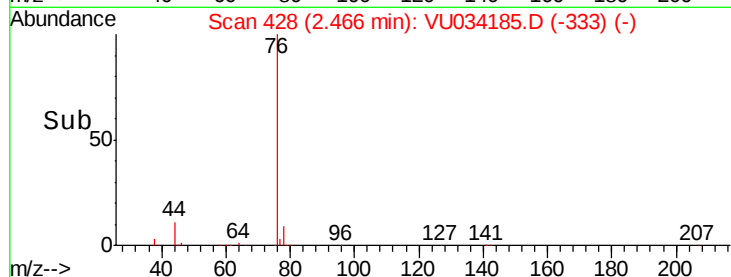
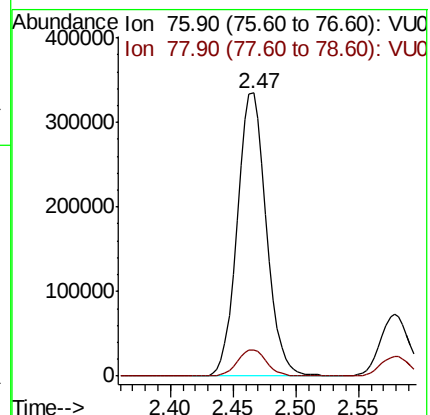
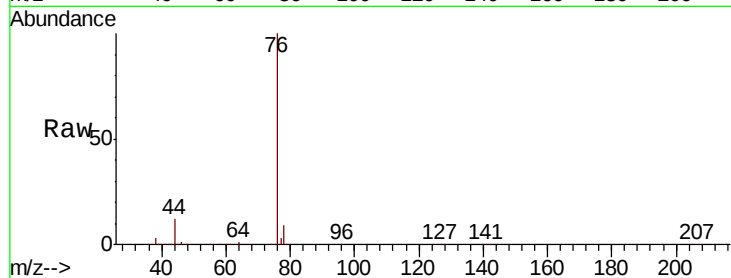
ClientSampleId :

Tot Ion: 76 Resp: 538818

Ion Ratio Lower Upper

76 100

78 9.4 7.1 10.7



#18

Methyl Acetate

Concen: 48.603 ug/l

RT: 2.60 min Scan# 470

Delta R.T. 0.00 min

Lab File: VU034185.D

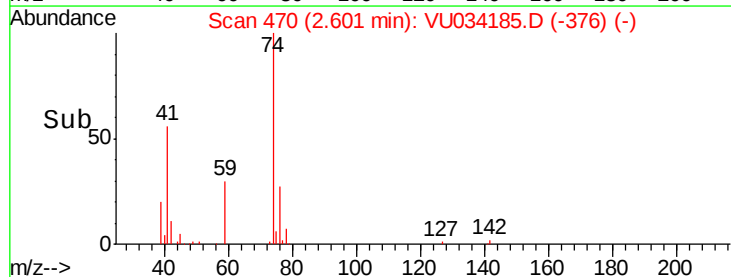
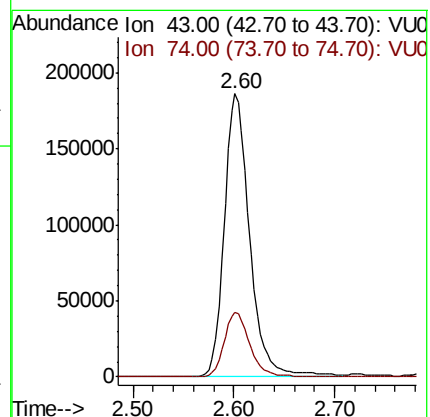
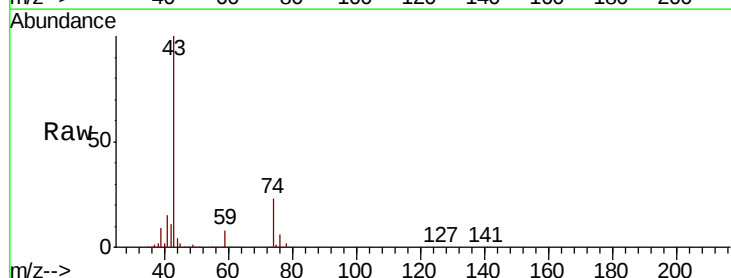
Acq: 01 Sep 2019 21:31

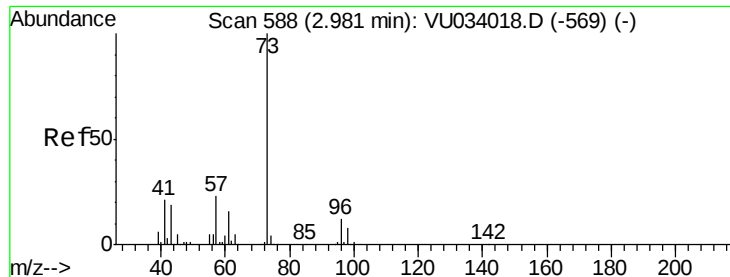
Tgt Ion: 43 Resp: 322733

Ion Ratio Lower Upper

43 100

74 23.3 19.2 28.8

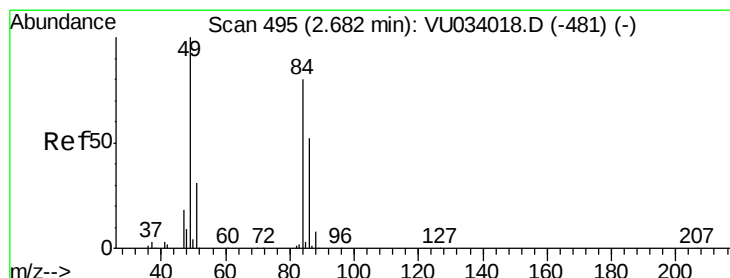
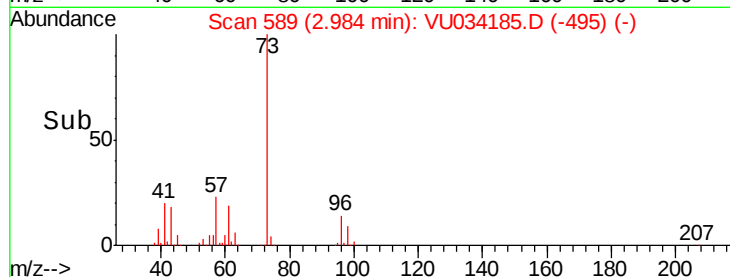
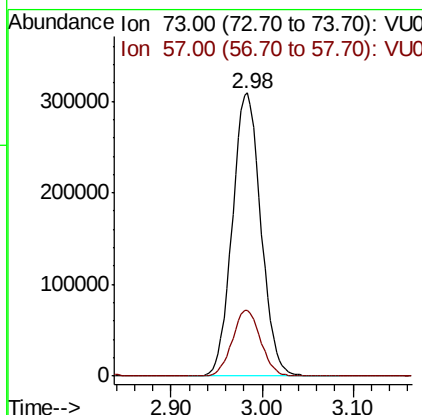
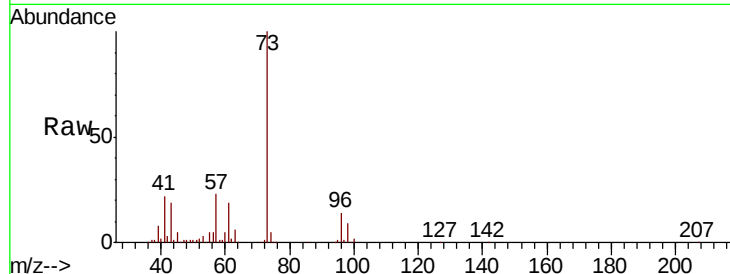




#19
Methyl tert-butyl Ether
Concen: 52.252 ug/l
RT: 2.98 min Scan# 589
Delta R.T. 0.00 min
Lab File: VU034185.D
Acq: 01 Sep 2019 21:31

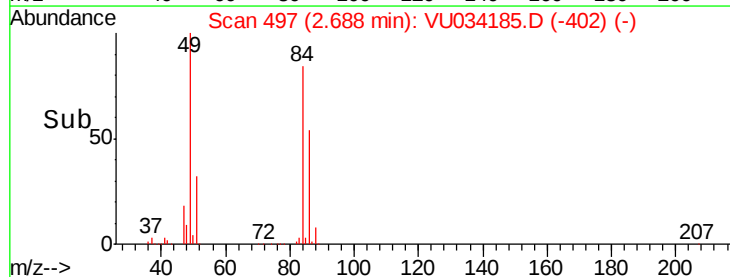
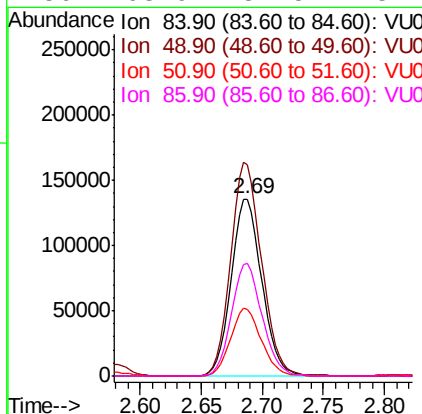
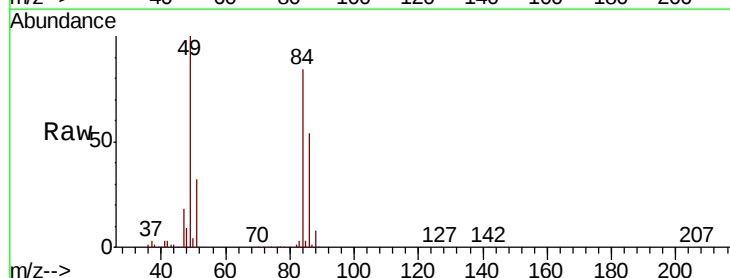
Instrument :
MSVOA_U
ClientSampleId :

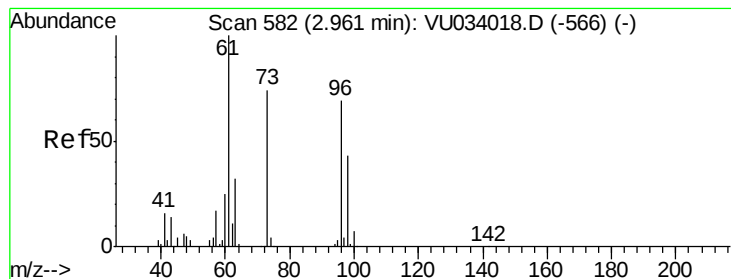
Tot Ion: 73 Resp: 673606
Ion Ratio Lower Upper
73 100
57 23.3 18.3 27.5



#20
Methylene Chloride
Concen: 48.758 ug/l
RT: 2.69 min Scan# 497
Delta R.T. 0.01 min
Lab File: VU034185.D
Acq: 01 Sep 2019 21:31

Tgt Ion: 84 Resp: 237179
Ion Ratio Lower Upper
84 100
49 119.2 100.2 150.4
51 37.5 30.8 46.2
86 63.9 52.5 78.7





#21

trans-1,2-Dichloroethene

Concen: 49.126 ug/l

RT: 2.97 min Scan# 584

Delta R.T. 0.01 min

Lab File: VU034185.D

Acq: 01 Sep 2019 21:31

Instrument :
MSVOA_U
ClientSampleId :

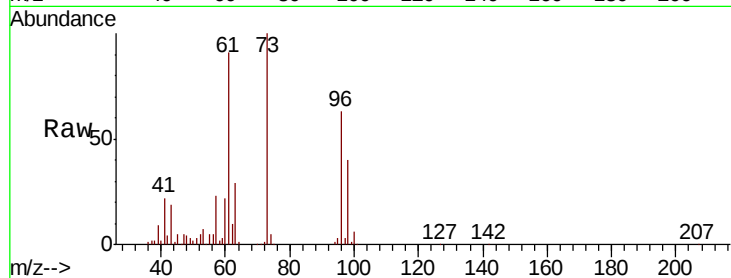
Tot Ion: 96 Resp: 209775

Ion Ratio Lower Upper

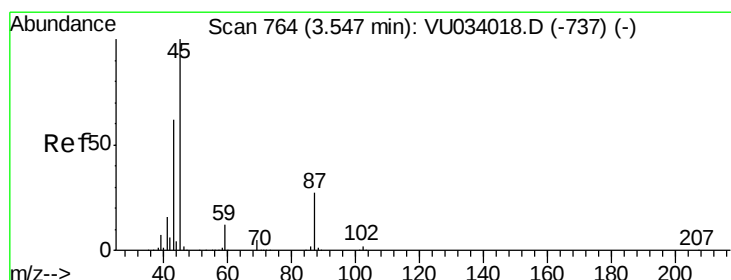
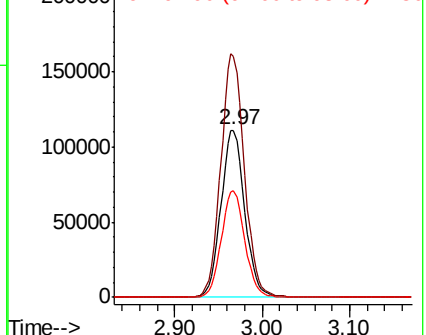
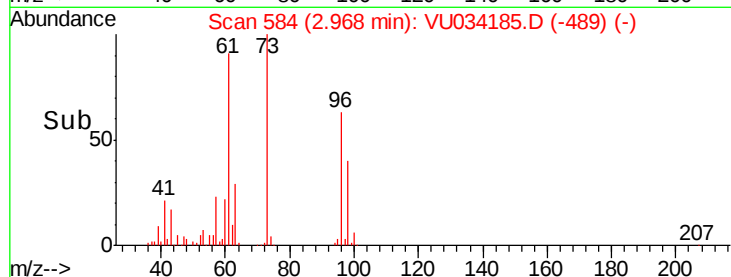
96 100

61 144.2 115.5 173.3

98 64.0 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: 52.839 ug/l

RT: 3.55 min Scan# 765

Delta R.T. 0.00 min

Lab File: VU034185.D

Acq: 01 Sep 2019 21:31

Tgt Ion: 45 Resp: 716247

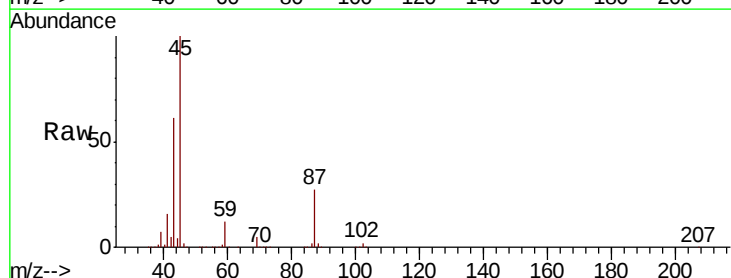
Ion Ratio Lower Upper

45 100

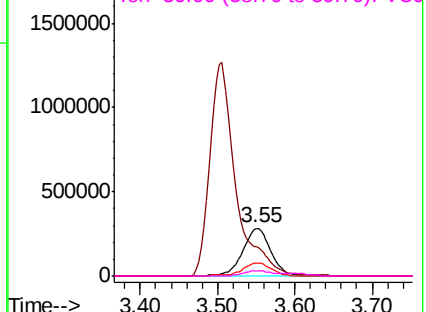
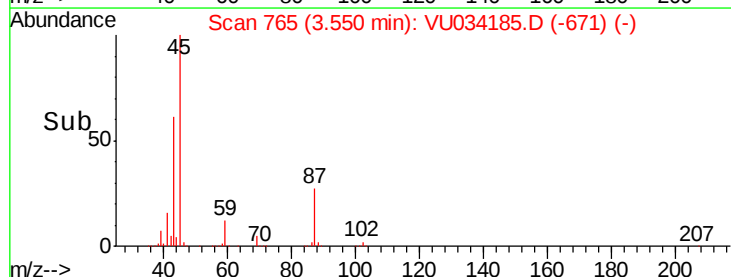
43 60.4 49.7 74.5

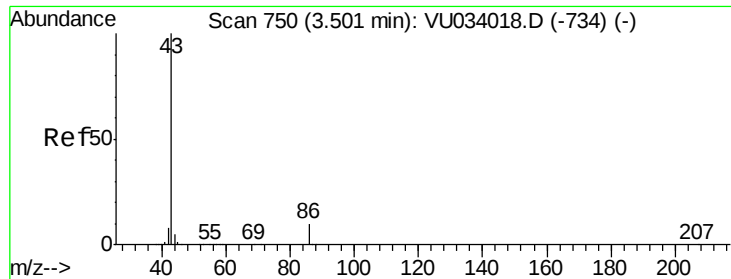
87 27.1 21.8 32.8

59 11.5 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: 258.740 ug/l

RT: 3.50 min Scan# 751

Delta R.T. 0.00 min

Lab File: VU034185.D

Acq: 01 Sep 2019 21:31

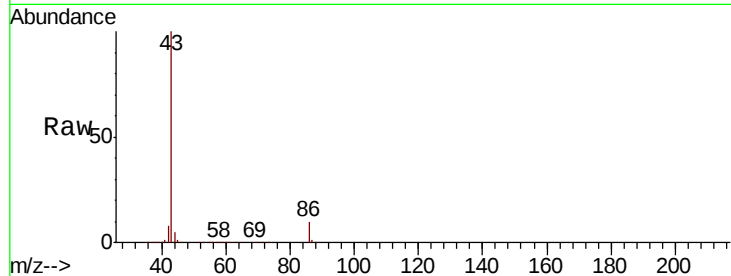
Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 43 Resp: 3012909

Ion Ratio Lower Upper

43 100

86 10.3 8.3 12.5



Abundance Ion 43.00 (42.70 to 43.70): VU034185.D (-657) (-)

Ion 86.00 (85.70 to 86.70): VU034185.D (-657) (-)

1500000

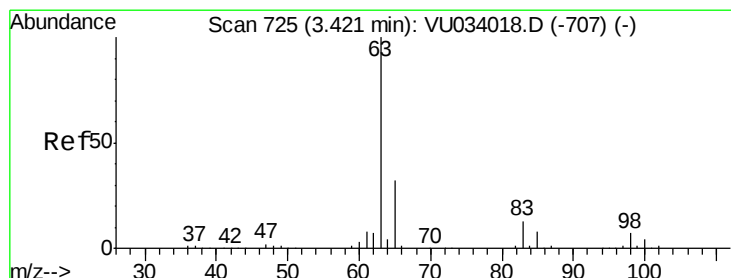
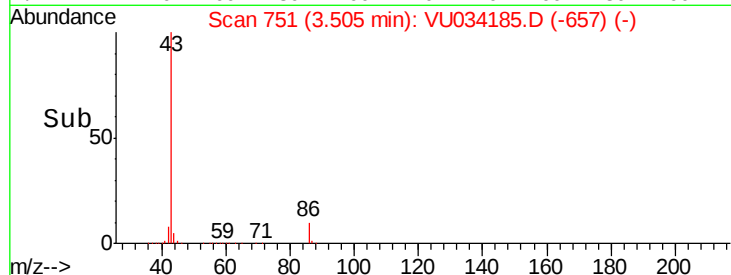
1000000

500000

0

3.40 3.50 3.60 3.70

Time-->



#24

1,1-Dichloroethane

Concen: 51.054 ug/l

RT: 3.42 min Scan# 726

Delta R.T. 0.00 min

Lab File: VU034185.D

Acq: 01 Sep 2019 21:31

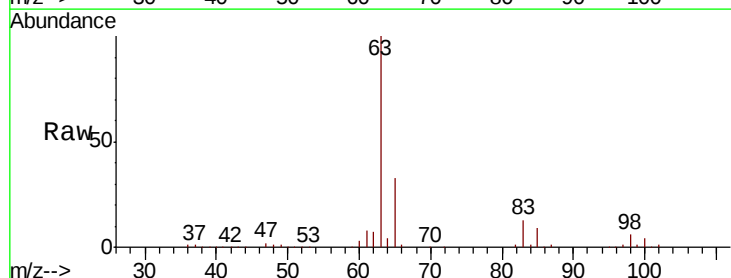
Tgt Ion: 63 Resp: 408582

Ion Ratio Lower Upper

63 100

98 6.4 3.3 9.8

100 3.9 2.0 6.0



Abundance Ion 62.90 (62.60 to 63.60): VU034185.D (-632) (-)

Ion 97.90 (97.60 to 98.60): VU034185.D (-632) (-)

Ion 99.90 (99.60 to 100.60): VU034185.D (-632) (-)

250000

200000

150000

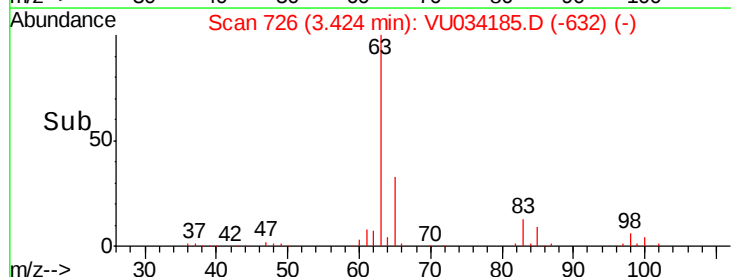
100000

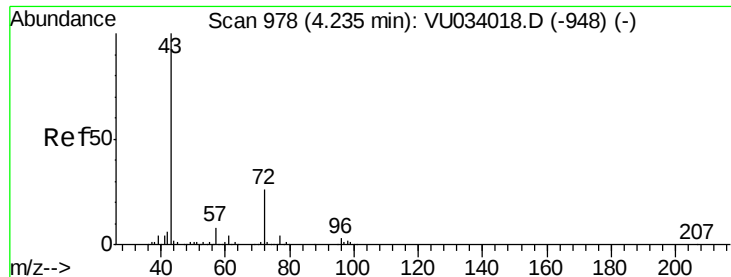
50000

0

3.30 3.40 3.50

Time-->





#25

2-Butanone

Concen: 249.393 ug/l

RT: 4.23 min Scan# 978

Delta R.T. -0.00 min

Lab File: VU034185.D

Acq: 01 Sep 2019 21:31

Instrument :

MSVOA_U

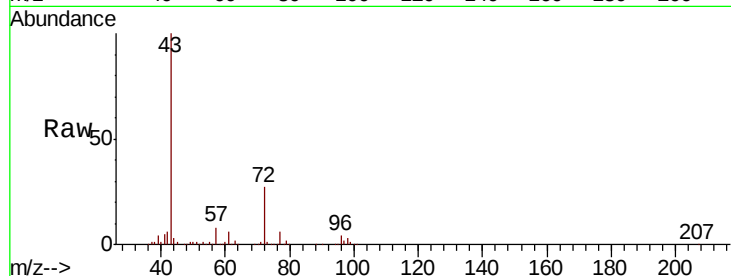
ClientSampleId :

Tot Ion: 43 Resp: 891562

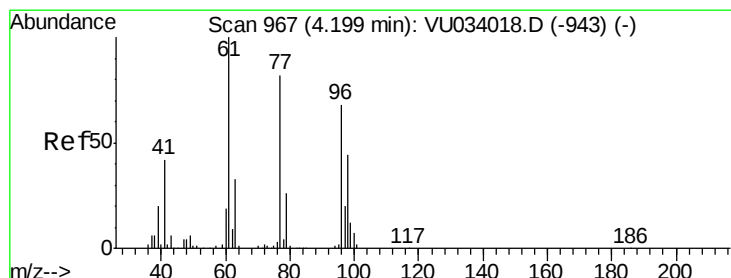
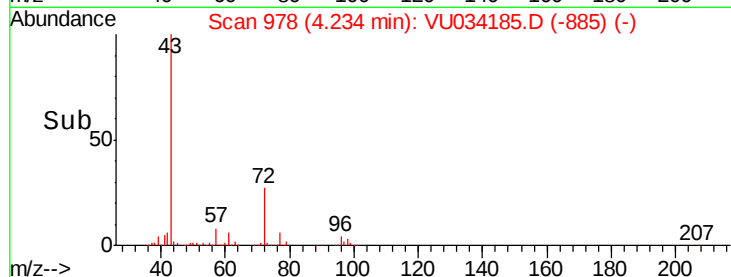
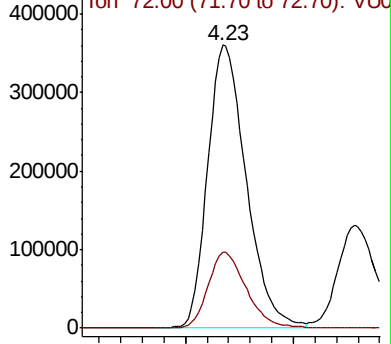
Ion Ratio Lower Upper

43 100

72 26.9 21.2 31.8



Abundance Ion 43.00 (42.70 to 43.70): VU034185.D (-885) (-)



#26

2,2-Dichloropropane

Concen: 42.116 ug/l

RT: 4.20 min Scan# 968

Delta R.T. 0.00 min

Lab File: VU034185.D

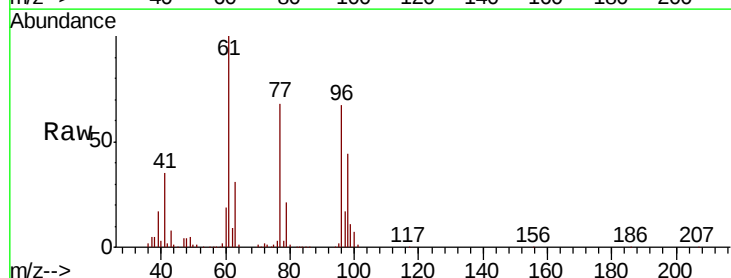
Acq: 01 Sep 2019 21:31

Tgt Ion: 77 Resp: 274260

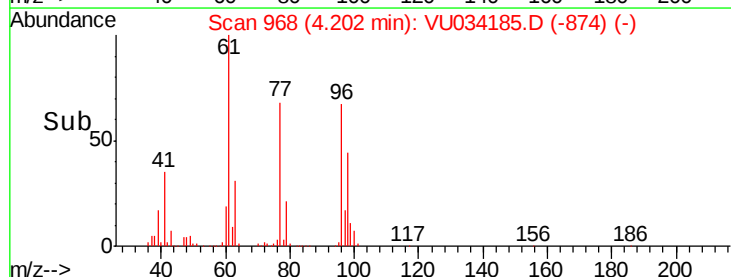
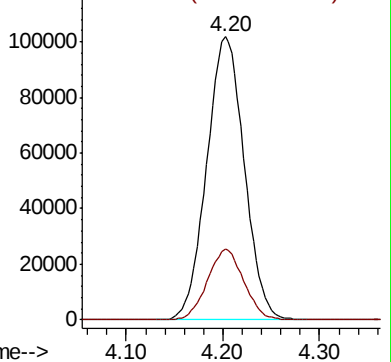
Ion Ratio Lower Upper

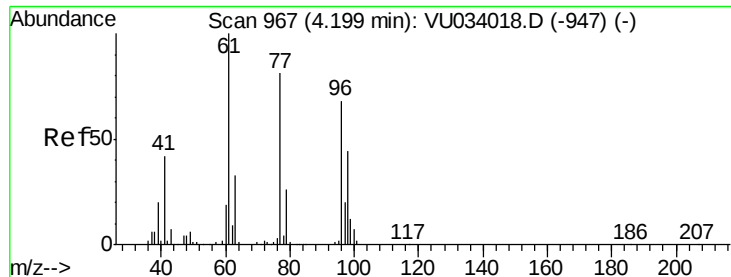
77 100

97 24.3 11.6 34.7



Abundance Ion 76.90 (76.60 to 77.60): VU034185.D (-874) (-)



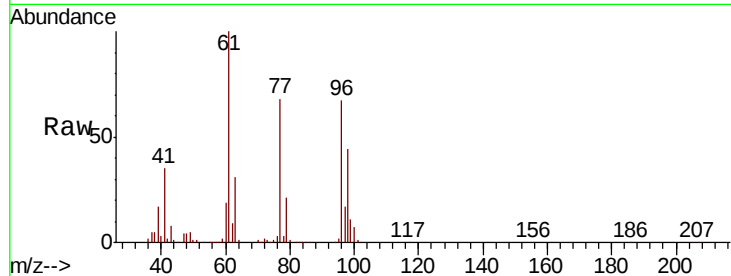


#27

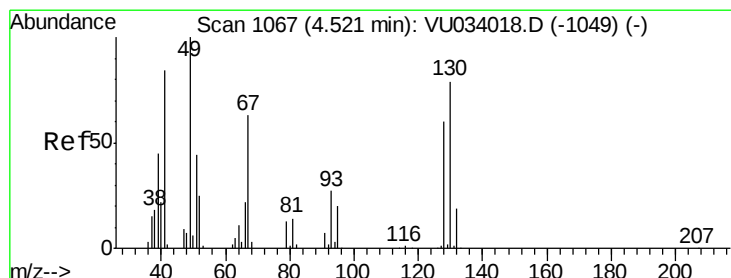
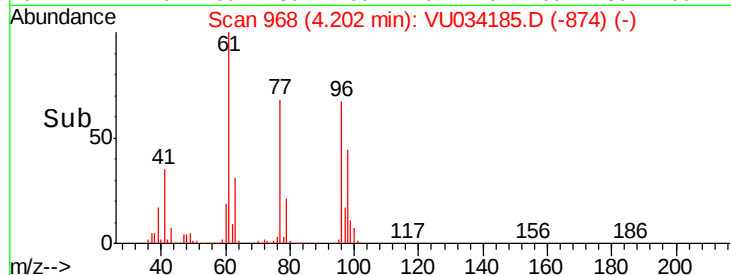
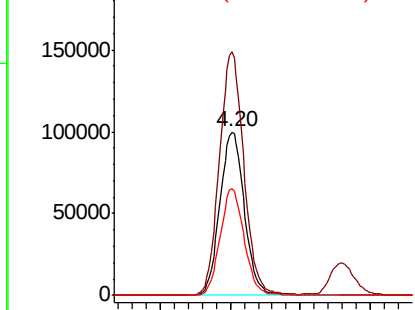
cis-1,2-Dichloroethene
Concen: 50.649 ug/l
RT: 4.20 min Scan# 968
Delta R.T. 0.00 min
Lab File: VU034185.D
Acq: 01 Sep 2019 21:31

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion	96	Resp	242751
Ion	Ratio	Lower	Upper
96	100		
61	147.7	0.0	303.0
98	63.6	0.0	129.2



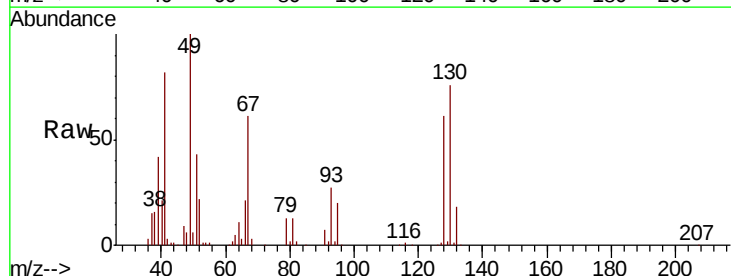
Abundance Ion 95.90 (95.60 to 96.60): VU0
Ion 60.90 (60.60 to 61.60): VU0
Ion 97.90 (97.60 to 98.60): VU0



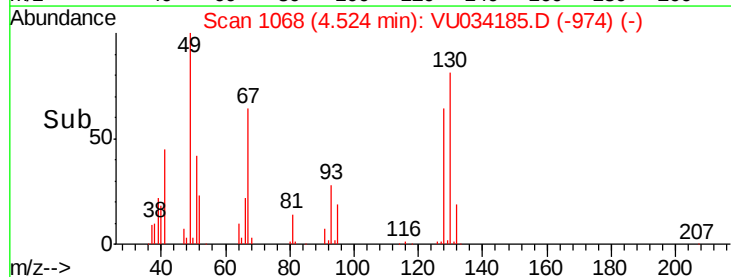
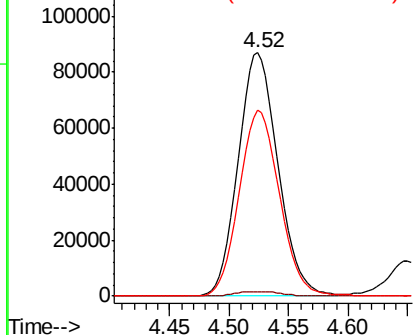
#28

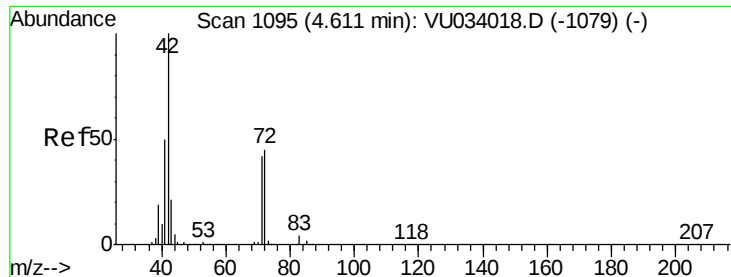
Bromochloromethane
Concen: 51.211 ug/l
RT: 4.52 min Scan# 1068
Delta R.T. 0.00 min
Lab File: VU034185.D
Acq: 01 Sep 2019 21:31

Tgt Ion	49	Resp	201920
Ion	Ratio	Lower	Upper
49	100		
129	2.1	0.0	3.6
130	77.4	62.8	94.2



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

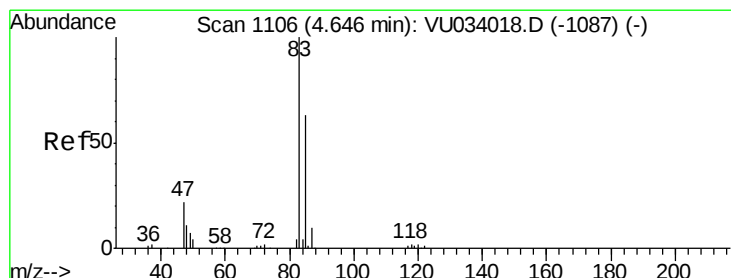
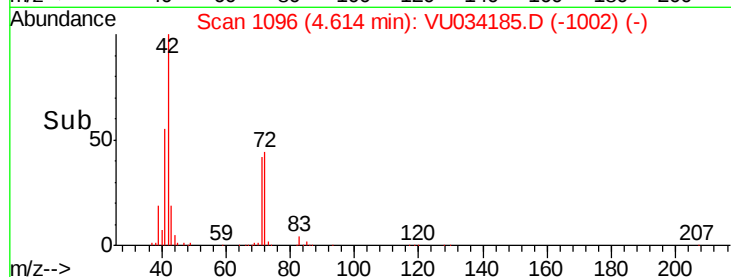
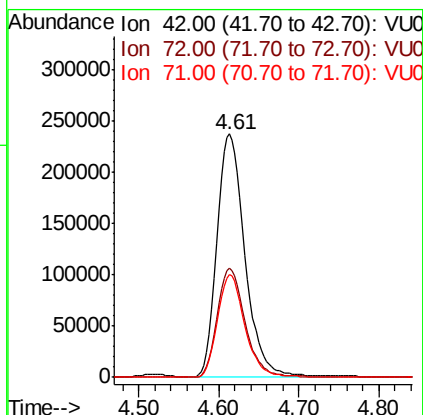
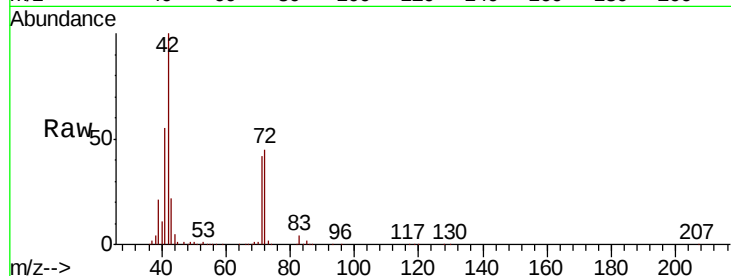




#29
Tetrahydrofuran
Concen: 260.775 ug/l
RT: 4.61 min Scan# 1096
Delta R.T. 0.00 min
Lab File: VU034185.D
Acq: 01 Sep 2019 21:31

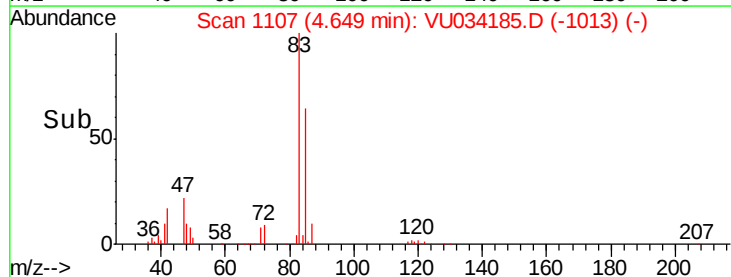
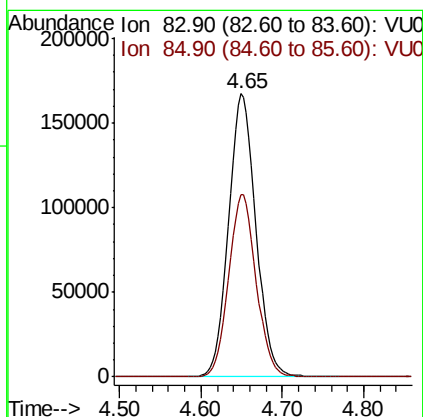
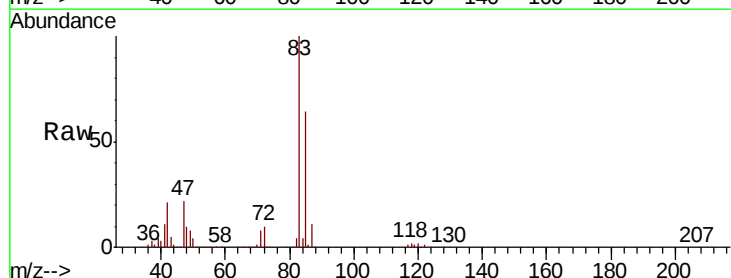
Instrument :
MSVOA_U
ClientSampleId :

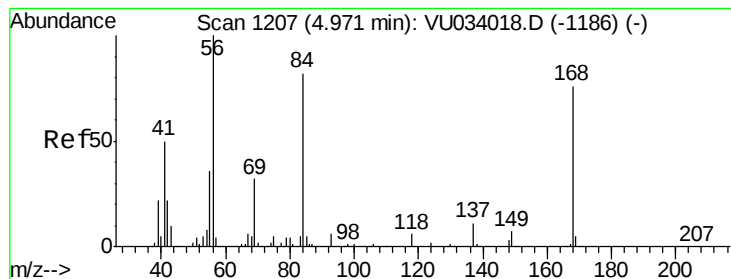
Tot Ion: 42 Resp: 574919
Ion Ratio Lower Upper
42 100
72 44.8 35.8 53.6
71 41.5 34.0 51.0



#30
Chloroform
Concen: 49.286 ug/l
RT: 4.65 min Scan# 1107
Delta R.T. 0.00 min
Lab File: VU034185.D
Acq: 01 Sep 2019 21:31

Tgt Ion: 83 Resp: 393543
Ion Ratio Lower Upper
83 100
85 64.3 50.7 76.1





#31

Cvclohexane

Concen: 45.673 ug/l

RT: 4.97 min Scan# 1208

Delta R.T. 0.00 min

Lab File: VU034185.D

Acq: 01 Sep 2019 21:31

Instrument :
MSVOA_U
ClientSampleId :

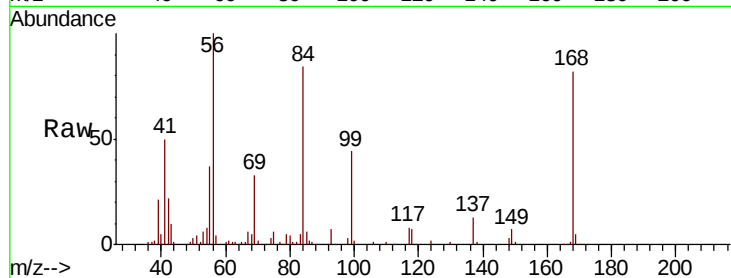
Tot Ion: 56 Resp: 343460

Ion Ratio Lower Upper

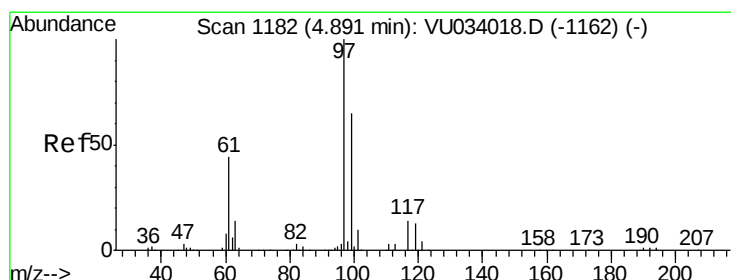
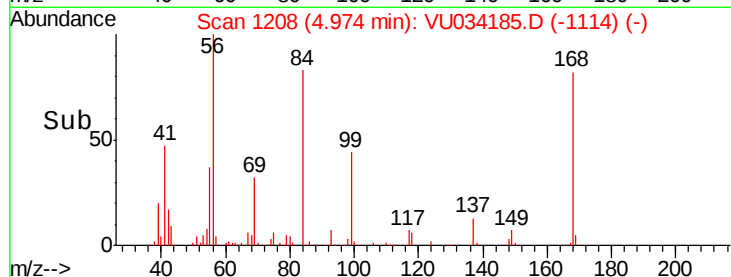
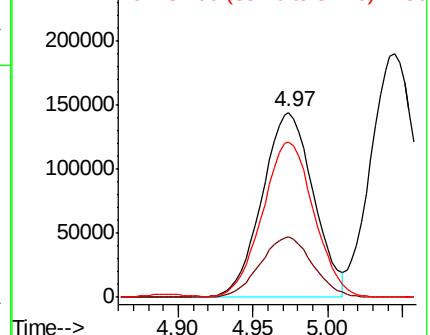
56 100

69 32.5 25.4 38.0

84 83.4 65.8 98.8



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



#32

1,1,1-Trichloroethane

Concen: 50.340 ug/l

RT: 4.89 min Scan# 1182

Delta R.T. -0.00 min

Lab File: VU034185.D

Acq: 01 Sep 2019 21:31

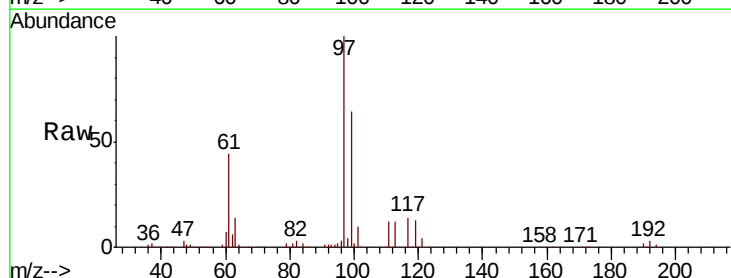
Tgt Ion: 97 Resp: 329206

Ion Ratio Lower Upper

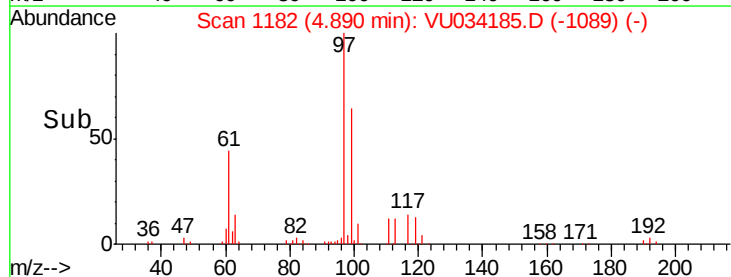
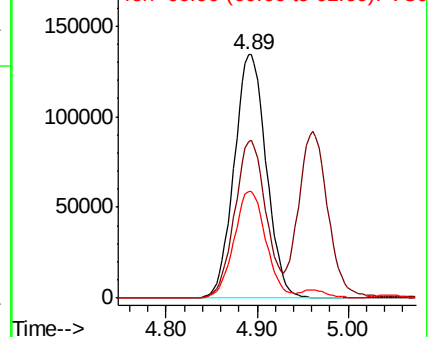
97 100

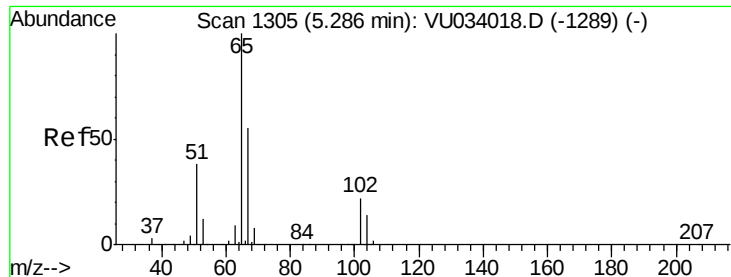
99 63.4 51.8 77.6

61 43.7 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: 49.261 ug/l

RT: 5.29 min Scan# 1305

Delta R.T. -0.00 min

Lab File: VU034185.D

Acq: 01 Sep 2019 21:31

Instrument :

MSVOA_U

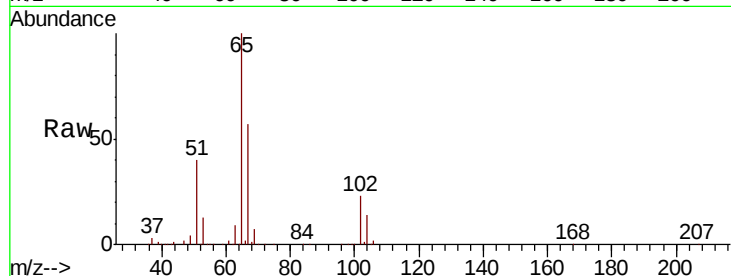
ClientSampleId :

Tot Ion: 65 Resp: 248075

Ion Ratio Lower Upper

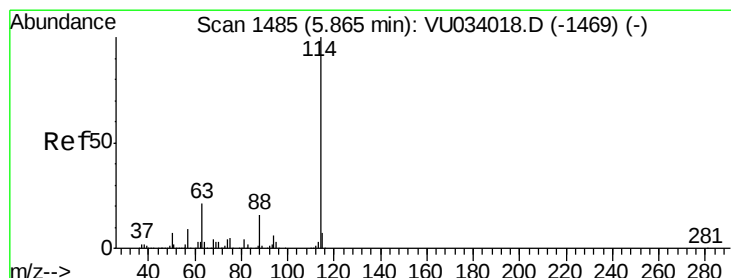
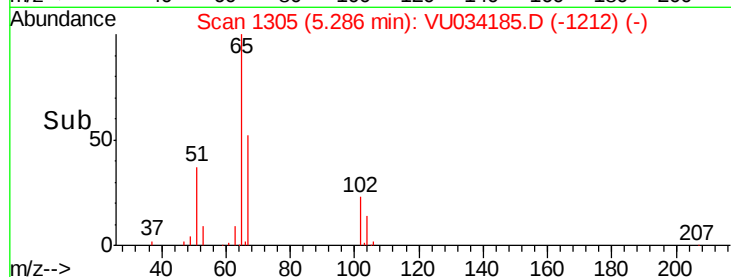
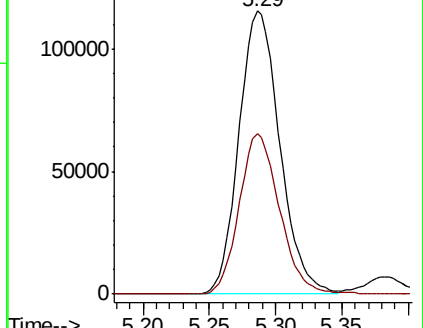
65 100

67 55.9 0.0 110.6



Abundance Ion 64.90 (64.60 to 65.60): VU034185.D (-1289) (-)

Ion 66.90 (66.60 to 67.60): VU034185.D (-1289) (-)



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.86 min Scan# 1485

Delta R.T. -0.00 min

Lab File: VU034185.D

Acq: 01 Sep 2019 21:31

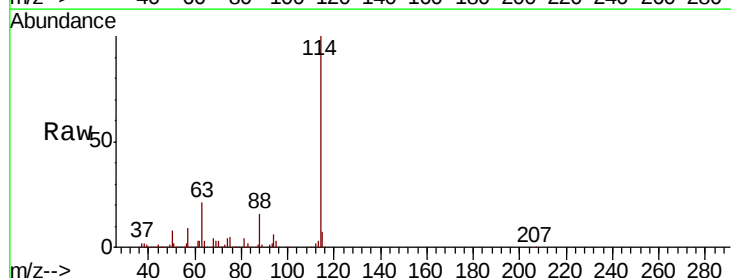
Tgt Ion: 114 Resp: 632358

Ion Ratio Lower Upper

114 100

63 21.4 0.0 42.0

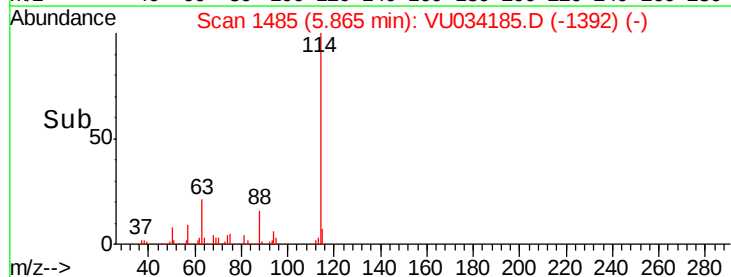
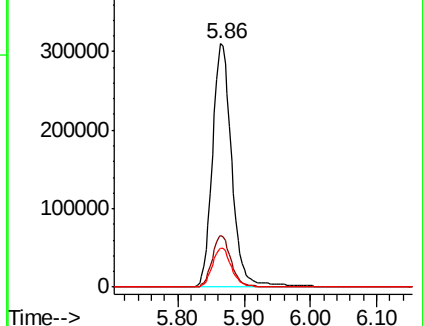
88 16.1 0.0 32.0

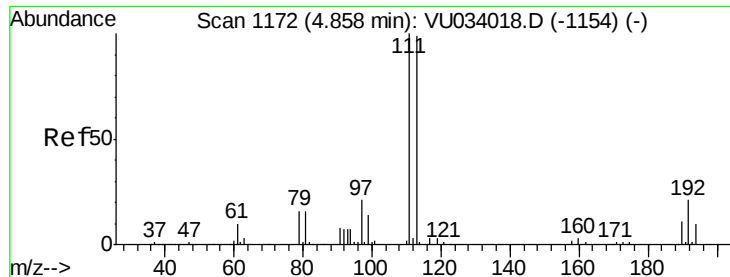


Abundance Ion 113.90 (113.60 to 114.60): VU034185.D (-1469) (-)

Ion 63.00 (62.70 to 63.70): VU034185.D (-1469) (-)

Ion 87.90 (87.60 to 88.60): VU034185.D (-1469) (-)

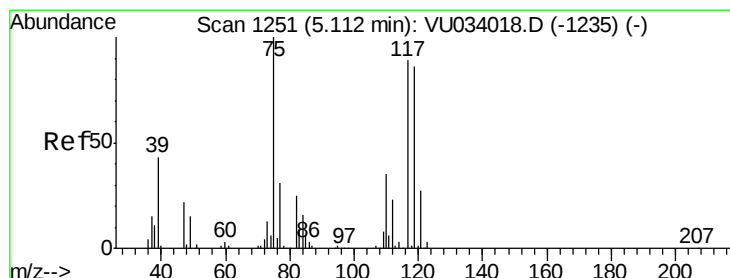
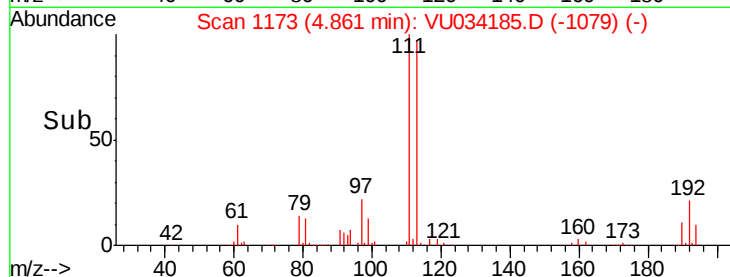
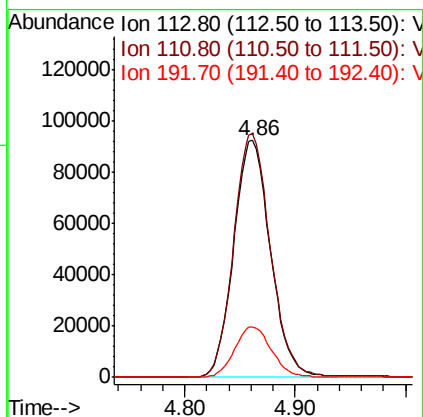
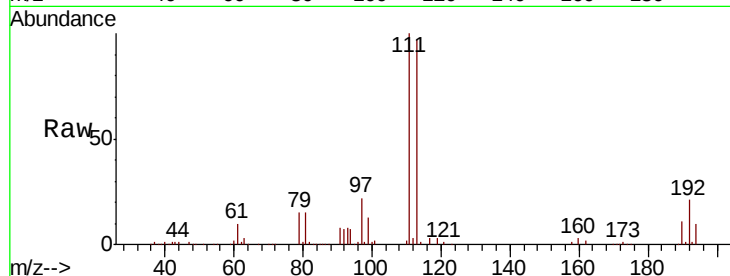




#35
 Dibromofluoromethane
 Concen: 48.711 ug/l
 RT: 4.86 min Scan# 1173
 Delta R.T. 0.00 min
 Lab File: VU034185.D
 Acq: 01 Sep 2019 21:31

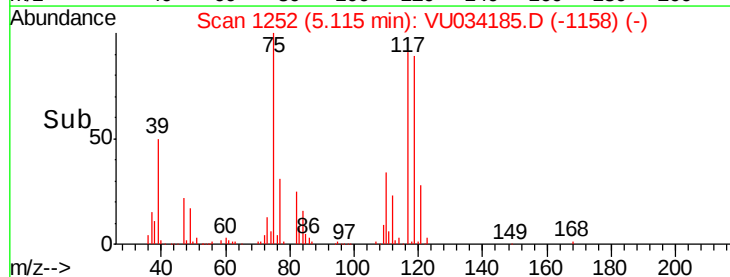
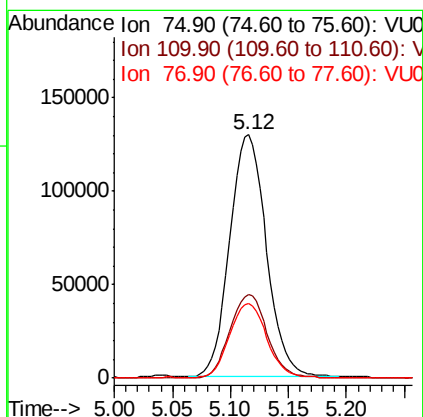
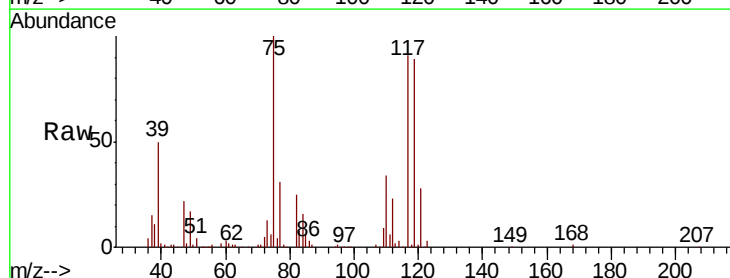
Instrument :
 MSVOA_U
 ClientSampleId :

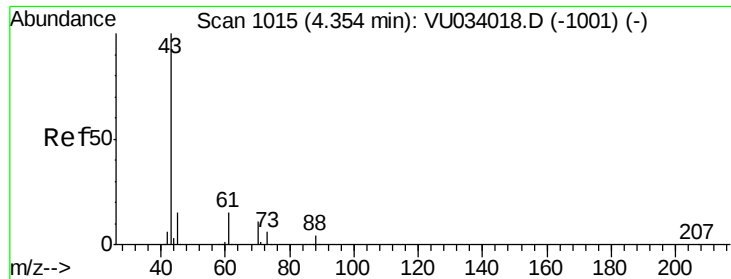
Tot Ion:113 Resp: 213644
 Ion Ratio Lower Upper
 113 100
 111 102.6 81.7 122.5
 192 21.4 17.1 25.7



#36
 1,1-Dichloropropene
 Concen: 47.557 ug/l
 RT: 5.12 min Scan# 1252
 Delta R.T. 0.00 min
 Lab File: VU034185.D
 Acq: 01 Sep 2019 21:31

Tgt Ion: 75 Resp: 284455
 Ion Ratio Lower Upper
 75 100
 110 35.3 17.8 53.5
 77 31.1 25.0 37.4

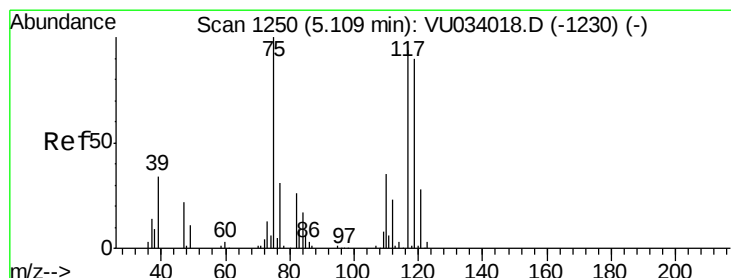
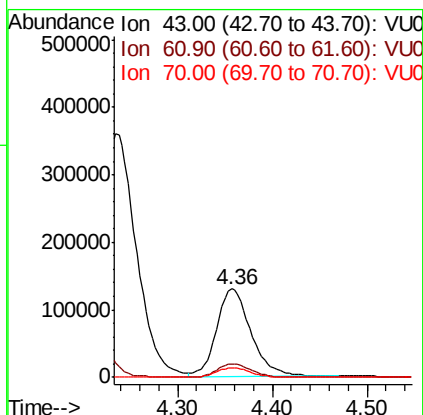
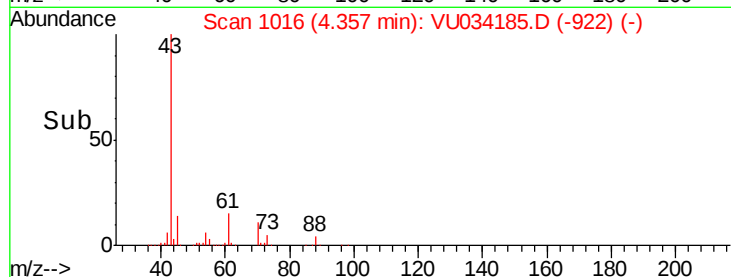
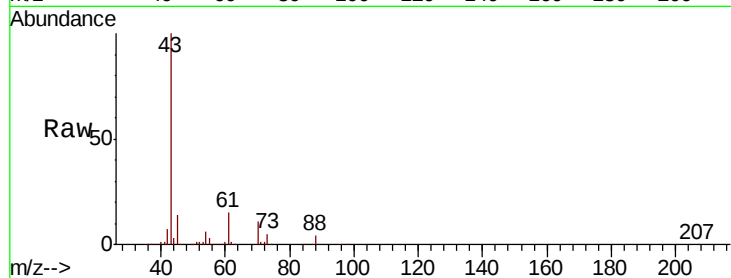




#37
Ethyl Acetate
Concen: 48.666 ug/l
RT: 4.36 min Scan# 1016
Delta R.T. 0.00 min
Lab File: VU034185.D
Acq: 01 Sep 2019 21:31

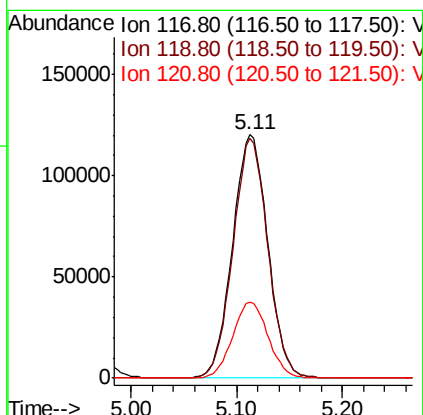
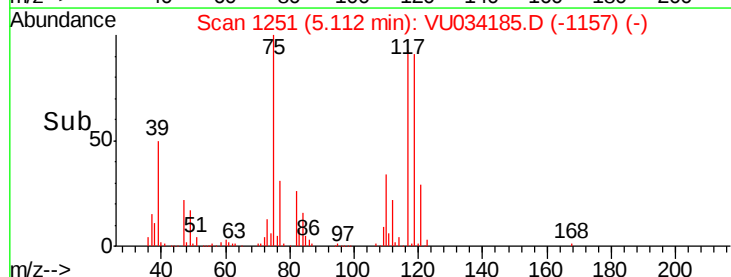
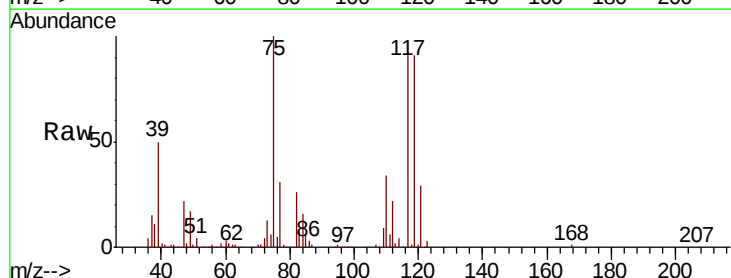
Instrument :
MSVOA_U
ClientSampled :

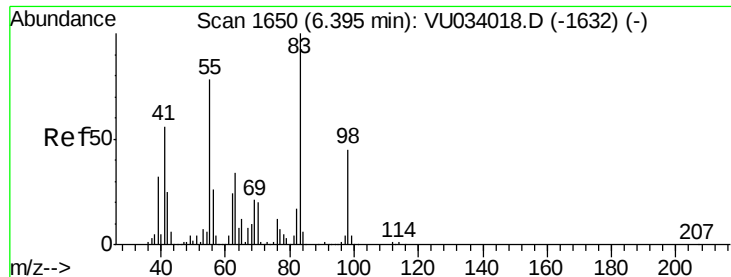
Tot Ion: 43 Resp: 325965
Ion Ratio Lower Upper
43 100
61 14.6 11.5 17.3
70 10.7 8.6 12.8



#38
Carbon Tetrachloride
Concen: 48.152 ug/l
RT: 5.11 min Scan# 1251
Delta R.T. 0.00 min
Lab File: VU034185.D
Acq: 01 Sep 2019 21:31

Tgt Ion: 117 Resp: 278008
Ion Ratio Lower Upper
117 100
119 98.3 77.0 115.4
121 31.3 23.9 35.9

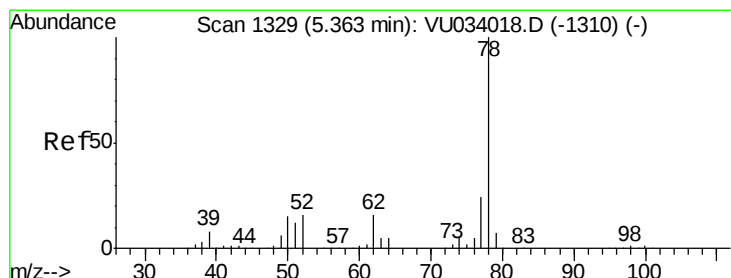
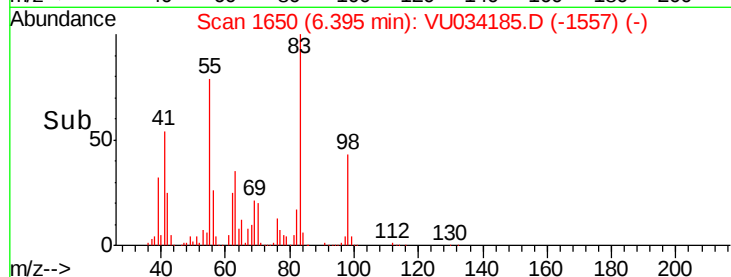
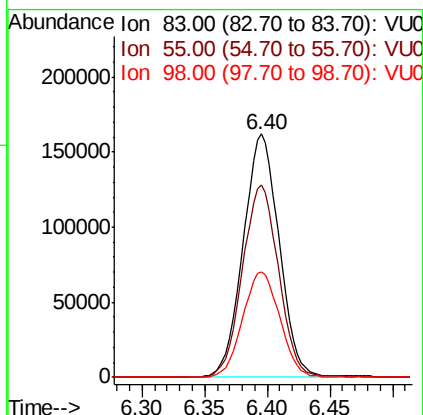
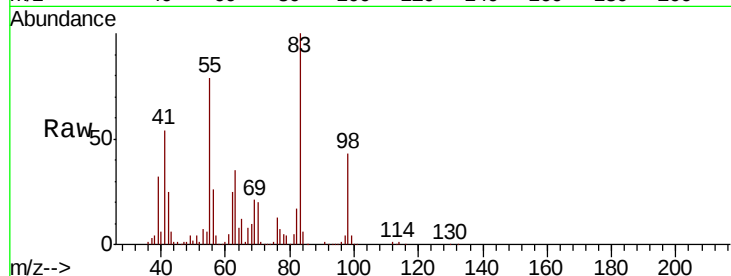




#39
Methvlcvclohexane
Concen: 45.892 ug/l
RT: 6.40 min Scan# 1650
Delta R.T. -0.00 min
Lab File: VU034185.D
Acq: 01 Sep 2019 21:31

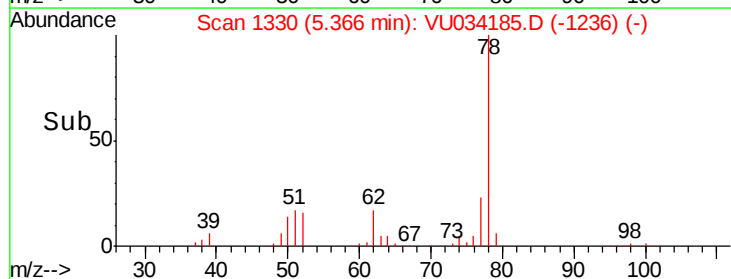
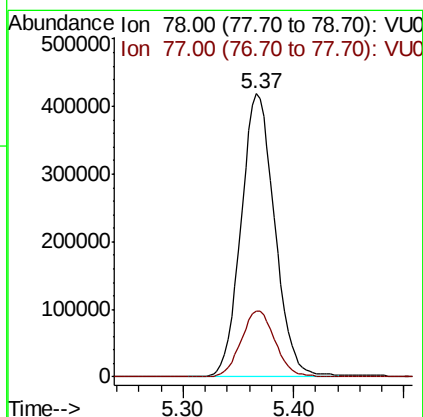
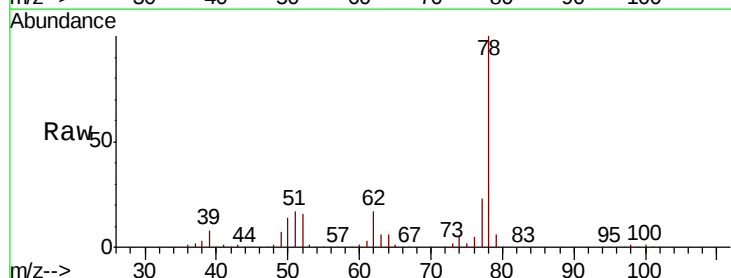
Instrument :
MSVOA_U
ClientSampleId :

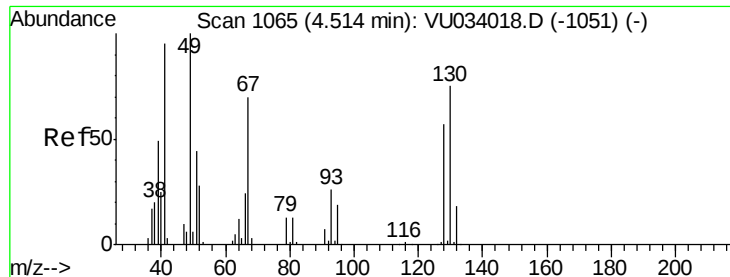
Tot Ion	Ratio	Lower	Upper
83	100		
55	79.0	62.3	93.5
98	43.5	36.2	54.2



#40
Benzene
Concen: 48.907 ug/l
RT: 5.37 min Scan# 1330
Delta R.T. 0.00 min
Lab File: VU034185.D
Acq: 01 Sep 2019 21:31

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.4	19.0	28.6

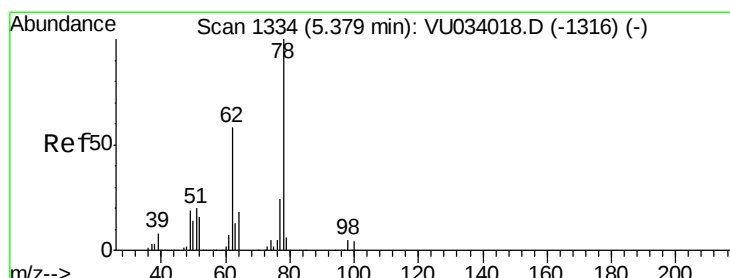
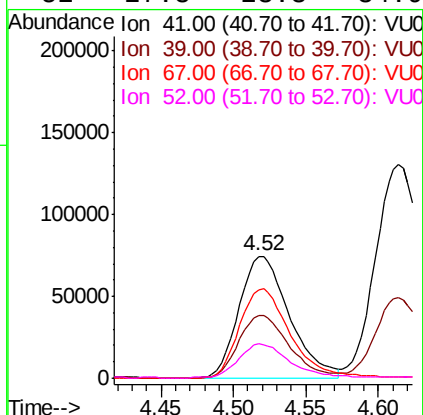
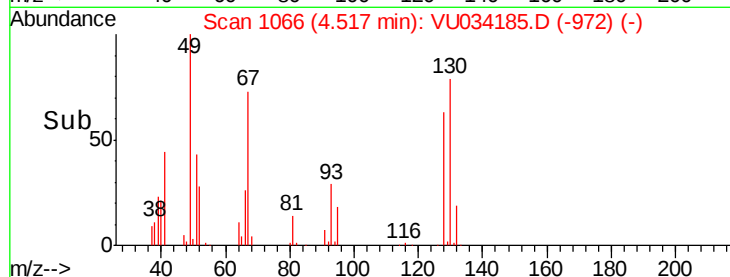
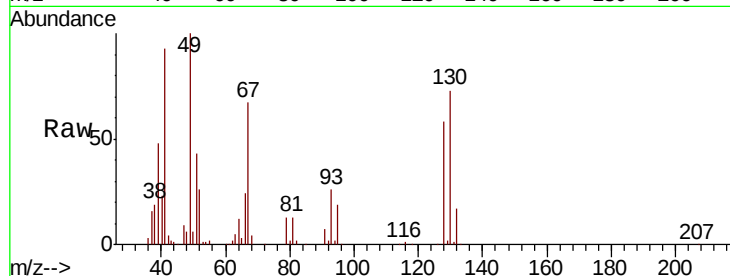




#41
Methacrylonitrile
Concen: 52.127 ug/l
RT: 4.52 min Scan# 1066
Delta R.T. 0.00 min
Lab File: VU034185.D
Acq: 01 Sep 2019 21:31

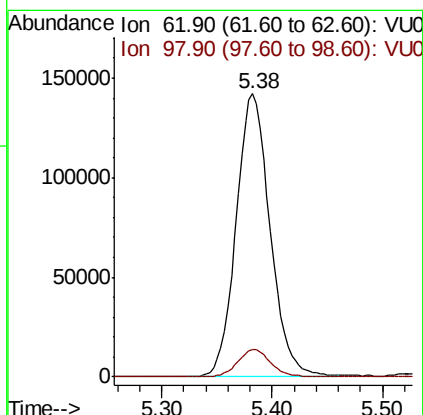
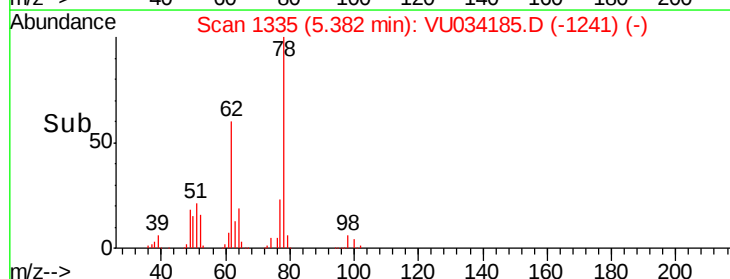
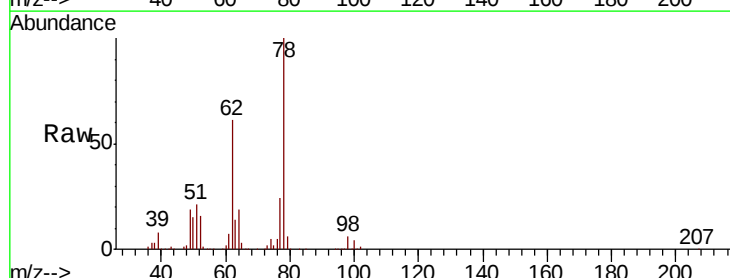
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 41 Resp: 179060
Ion Ratio Lower Upper
41 100
39 51.5 42.1 63.1
67 75.3 61.0 91.4
52 27.8 23.3 34.9



#42
1,2-Dichloroethane
Concen: 48.546 ug/l
RT: 5.38 min Scan# 1335
Delta R.T. 0.00 min
Lab File: VU034185.D
Acq: 01 Sep 2019 21:31

Tgt Ion: 62 Resp: 303365
Ion Ratio Lower Upper
62 100
98 9.5 0.0 18.2





#43

Isopropyl Acetate

Concen: 49.655 ug/l

RT: 5.53 min Scan# 1380

Delta R.T. -0.00 min

Lab File: VU034185.D

Acq: 01 Sep 2019 21:31

Instrument :

MSVOA_U

ClientSampleId :

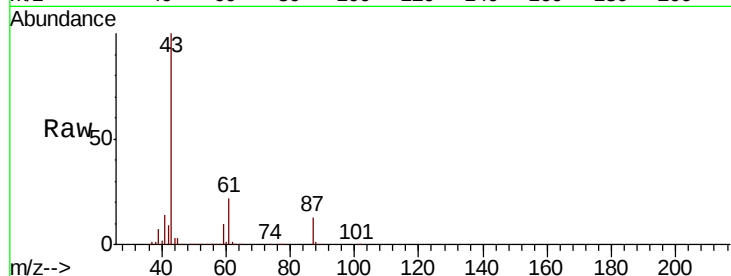
Tot Ion: 43 Resp: 505986

Ion Ratio Lower Upper

43 100

61 21.5 17.2 25.8

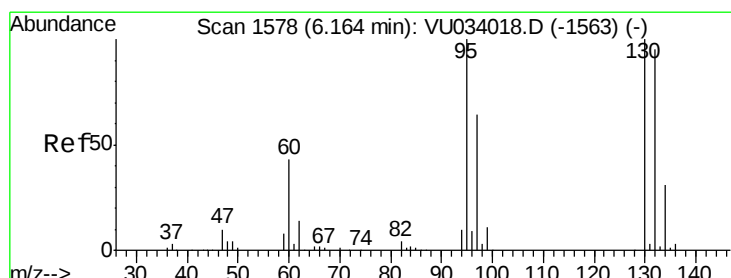
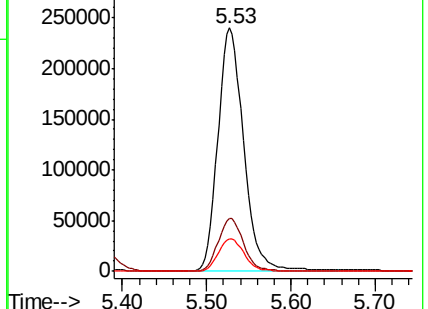
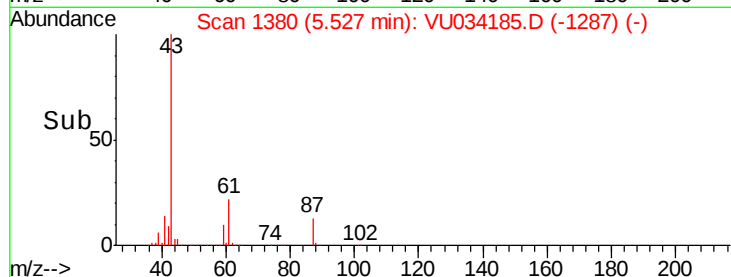
87 13.5 10.8 16.2



Abundance Ion 43.00 (42.70 to 43.70): VU034185.D (-1287) (-)

Ion 61.00 (60.70 to 61.70): VU034185.D (-1287) (-)

Ion 87.00 (86.70 to 87.70): VU034185.D (-1287) (-)



#44

Trichloroethene

Concen: 49.972 ug/l

RT: 6.17 min Scan# 1579

Delta R.T. 0.00 min

Lab File: VU034185.D

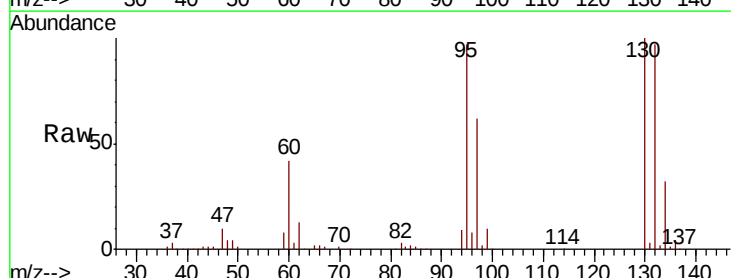
Acq: 01 Sep 2019 21:31

Tgt Ion:130 Resp: 237476

Ion Ratio Lower Upper

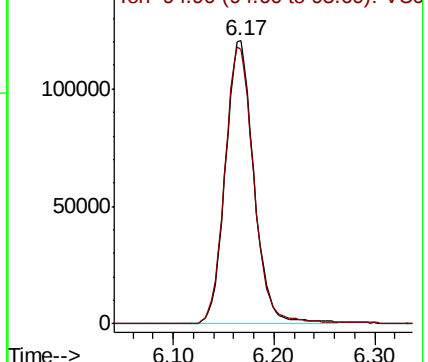
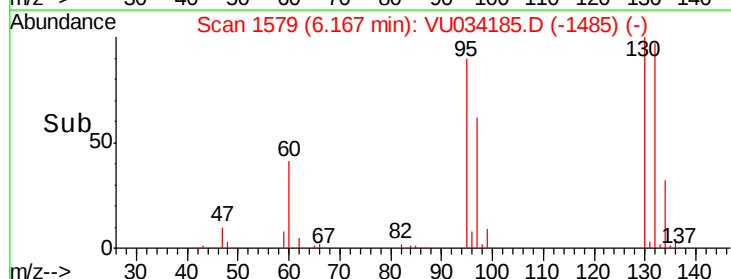
130 100

95 97.2 0.0 199.6



Abundance Ion 129.80 (129.50 to 130.50): VU034185.D (-1485) (-)

Ion 94.90 (94.60 to 95.60): VU034185.D (-1485) (-)





#45

1,2-Dichloropropane

Concen: 50.494 ug/l

RT: 6.41 min Scan# 1655

Delta R.T. -0.00 min

Lab File: VU034185.D

Acq: 01 Sep 2019 21:31

Instrument :

MSVOA_U

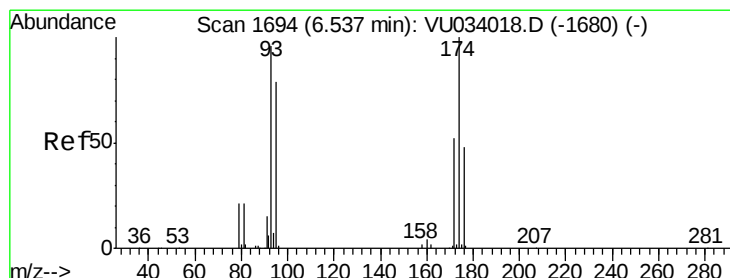
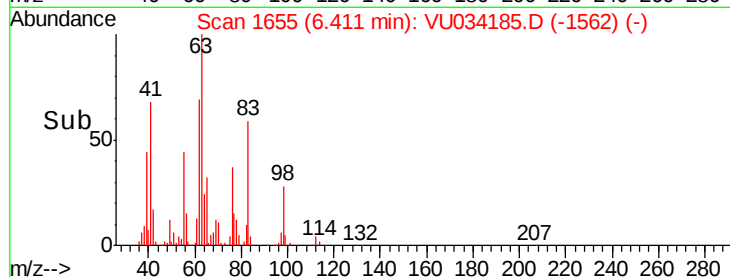
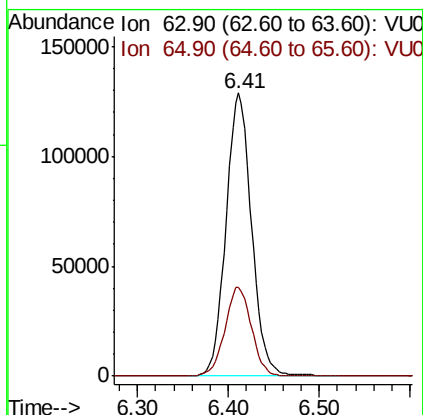
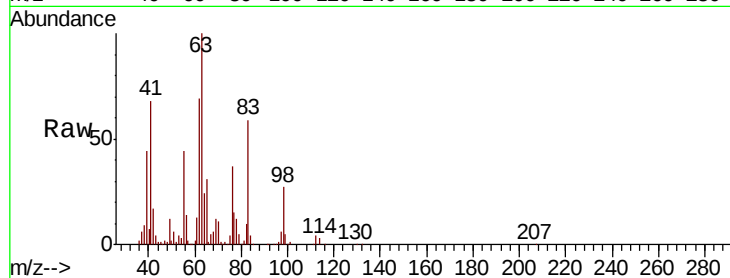
ClientSampleId :

Tot Ion: 63 Resp: 251538

Ion Ratio Lower Upper

63 100

65 31.5 25.4 38.2



#46

Dibromomethane

Concen: 49.386 ug/l

RT: 6.54 min Scan# 1695

Delta R.T. 0.00 min

Lab File: VU034185.D

Acq: 01 Sep 2019 21:31

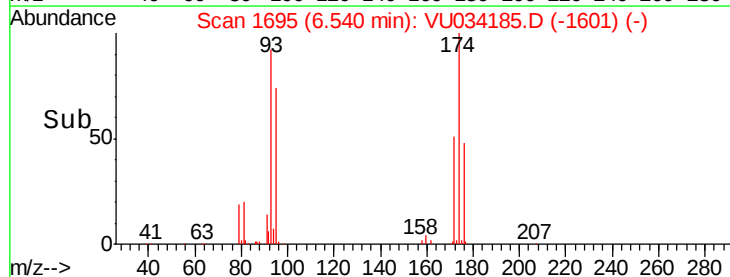
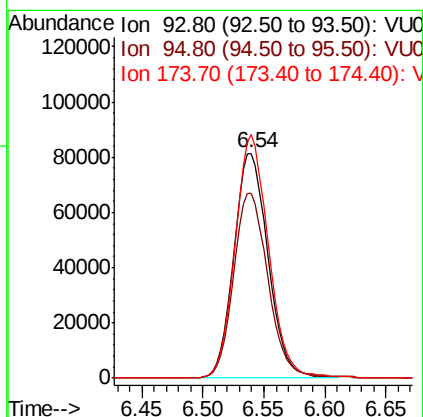
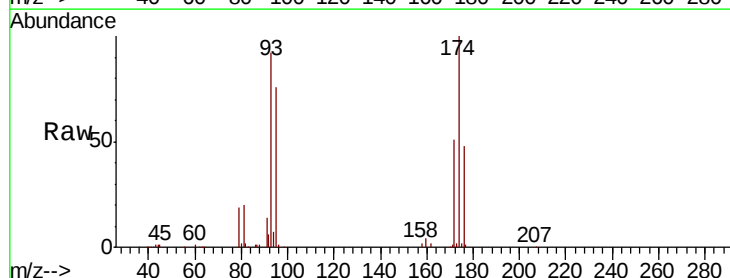
Tgt Ion: 93 Resp: 158500

Ion Ratio Lower Upper

93 100

95 82.6 66.7 100.1

174 105.8 84.9 127.3





#47

Bromodichloromethane

Concen: 49.848 ug/l

RT: 6.74 min Scan# 1756

Delta R.T. -0.00 min

Lab File: VU034185.D

Acq: 01 Sep 2019 21:31

Instrument :
MSVOA_U
ClientSampleId :

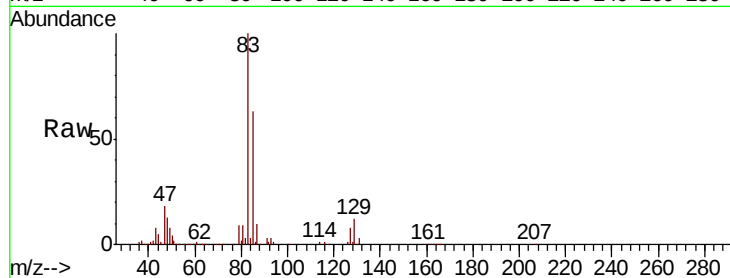
Tot Ion: 83 Resp: 313005

Ion Ratio Lower Upper

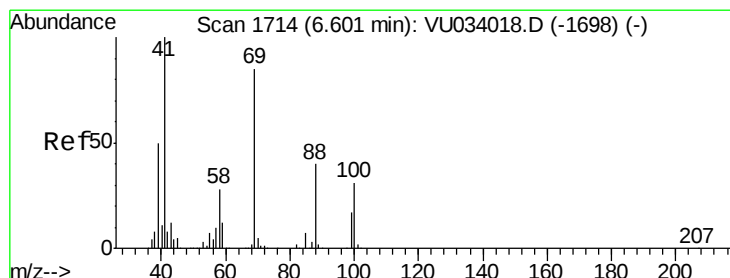
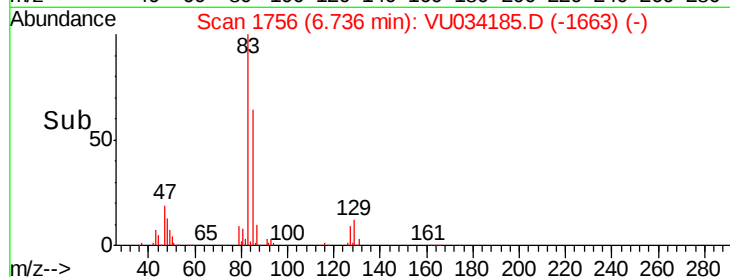
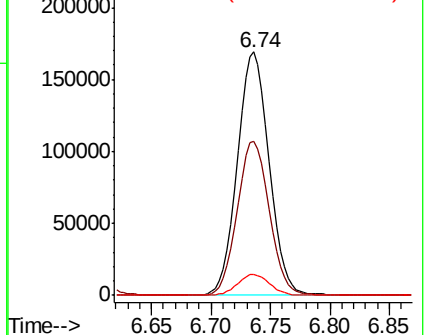
83 100

85 63.2 51.2 76.8

127 8.5 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: 50.154 ug/l

RT: 6.60 min Scan# 1714

Delta R.T. -0.00 min

Lab File: VU034185.D

Acq: 01 Sep 2019 21:31

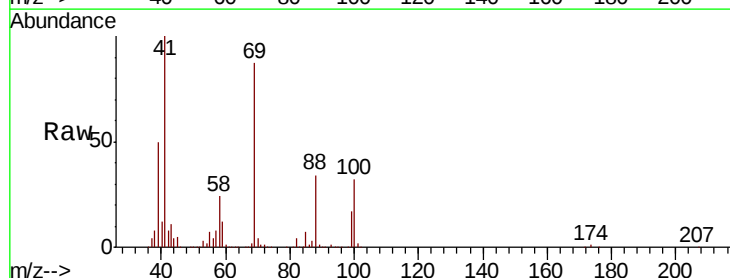
Tgt Ion: 41 Resp: 246616

Ion Ratio Lower Upper

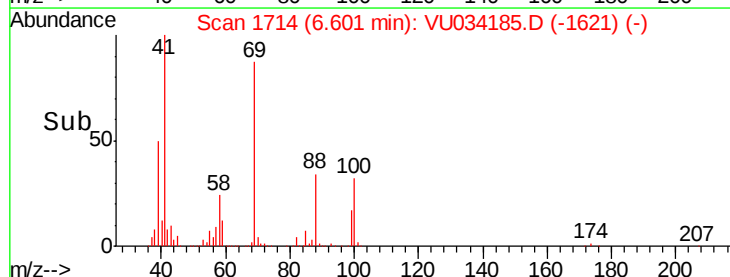
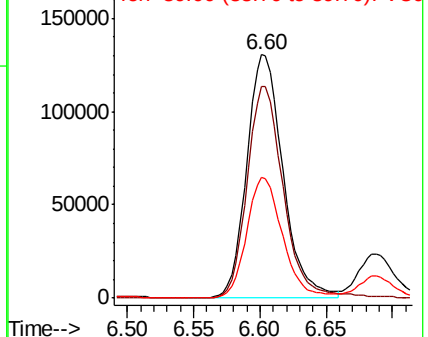
41 100

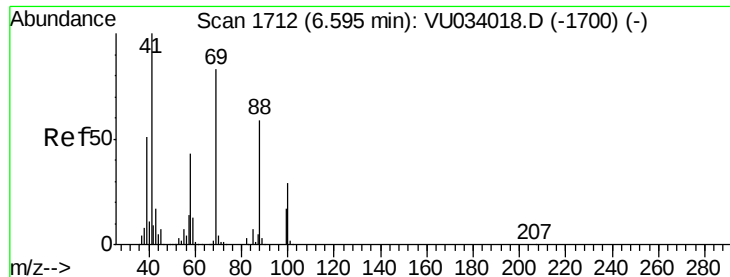
69 88.2 69.5 104.3

39 49.1 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

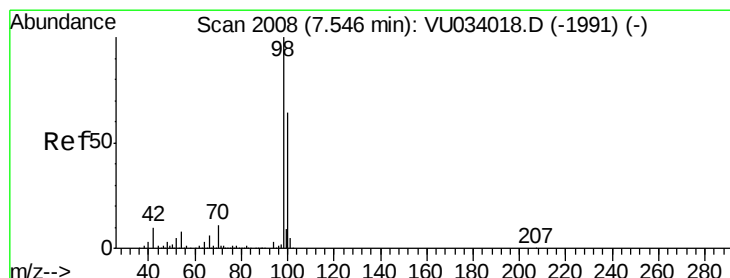
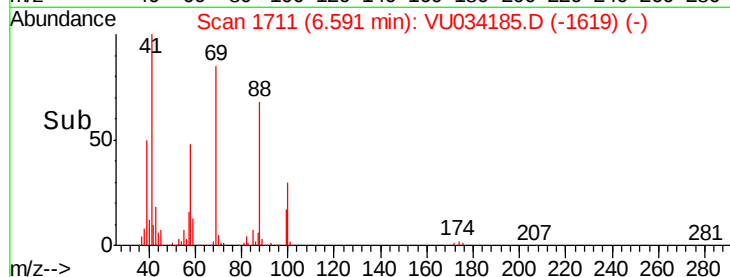
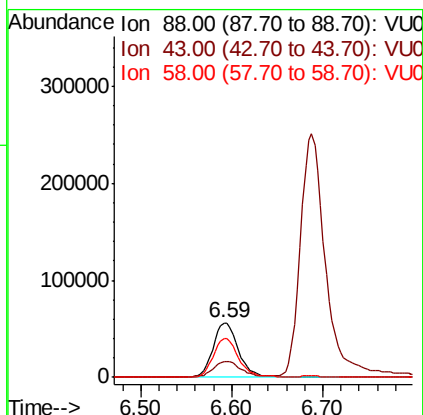
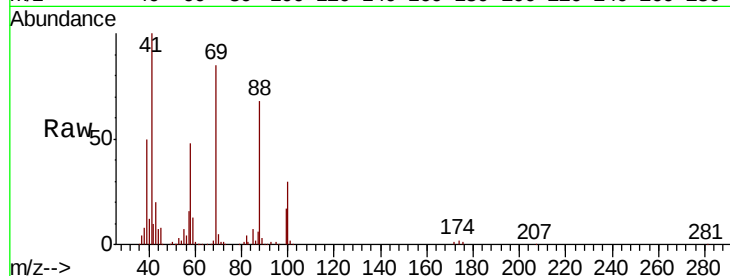




#49
1,4-Dioxane
Concen: 874.053 ug/l
RT: 6.59 min Scan# 1711
Delta R.T. -0.00 min
Lab File: VU034185.D
Acq: 01 Sep 2019 21:31

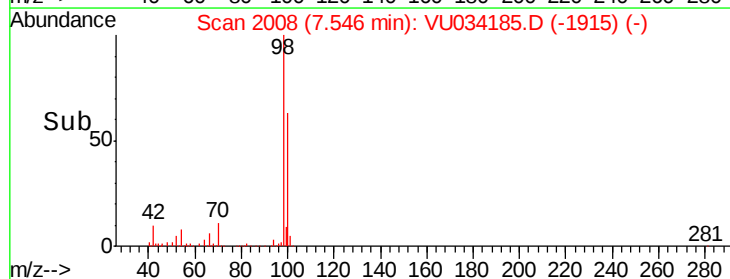
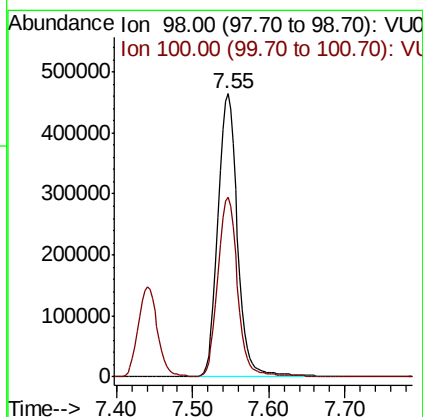
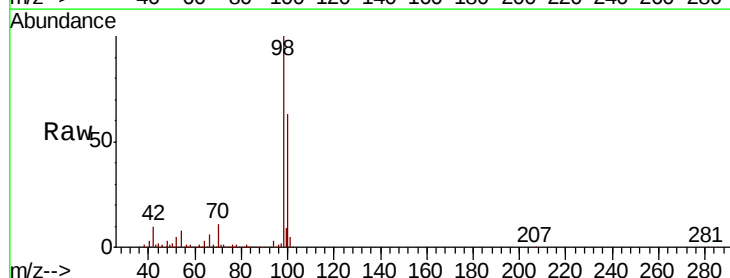
Instrument :
MSVOA_U
ClientSampleId :

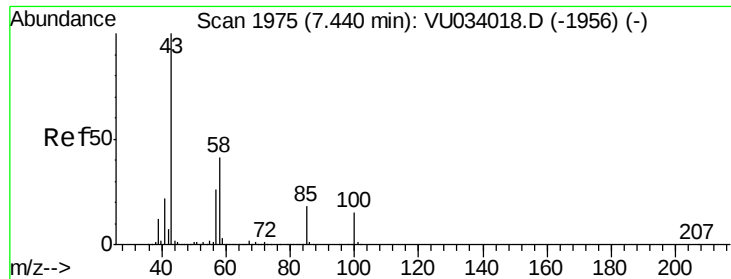
Tot Ion: 88 Resp: 107686
Ion Ratio Lower Upper
88 100
43 30.0 24.8 37.2
58 72.1 59.3 88.9



#50
Toluene-d8
Concen: 50.763 ug/l
RT: 7.55 min Scan# 2008
Delta R.T. -0.00 min
Lab File: VU034185.D
Acq: 01 Sep 2019 21:31

Tgt Ion: 98 Resp: 833672
Ion Ratio Lower Upper
98 100
100 63.6 50.3 75.5

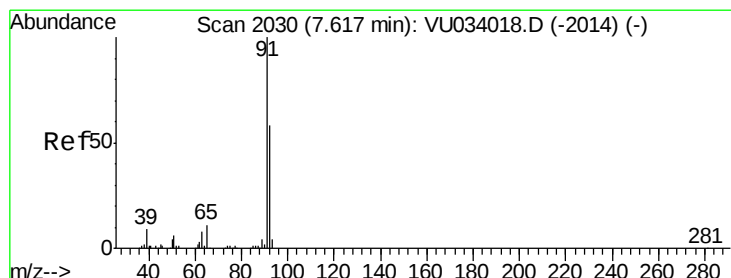
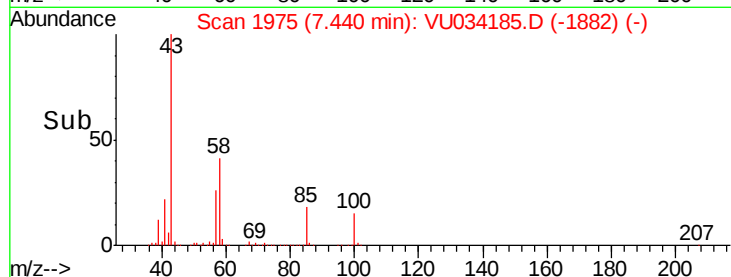
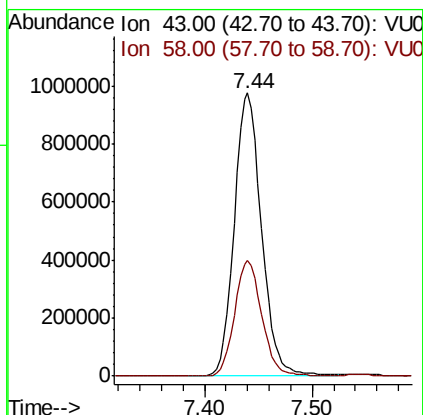
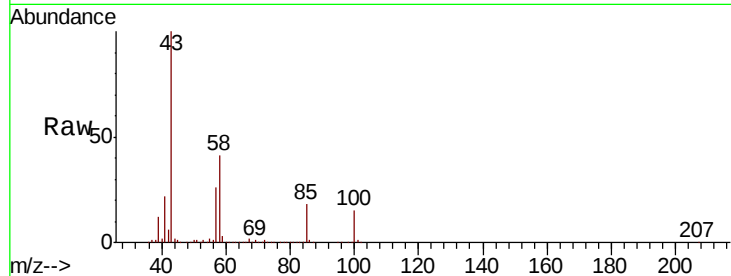




#51
 4-Methyl-2-Pentanone
 Concen: 243.946 ug/l
 RT: 7.44 min Scan# 1975
 Delta R.T. -0.00 min
 Lab File: VU034185.D
 Acq: 01 Sep 2019 21:31

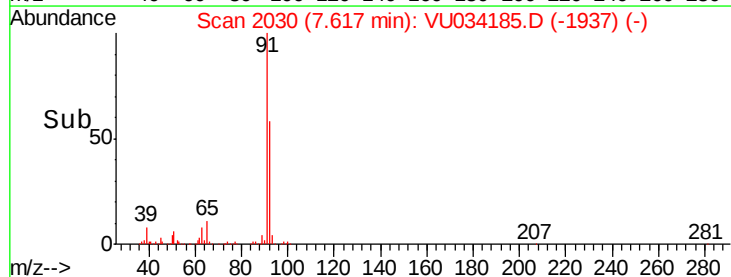
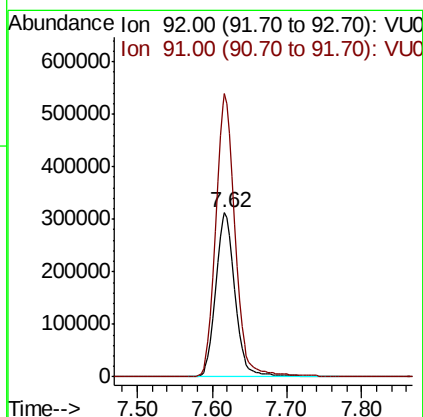
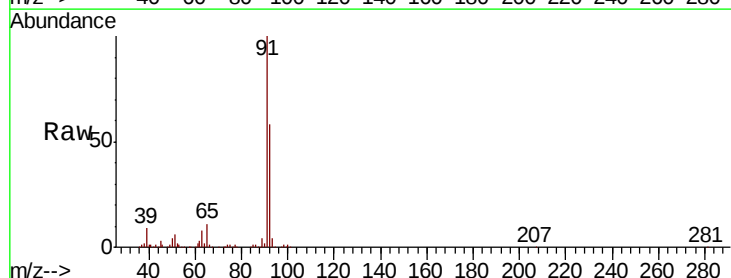
Instrument :
 MSVOA_U
 ClientSampled :

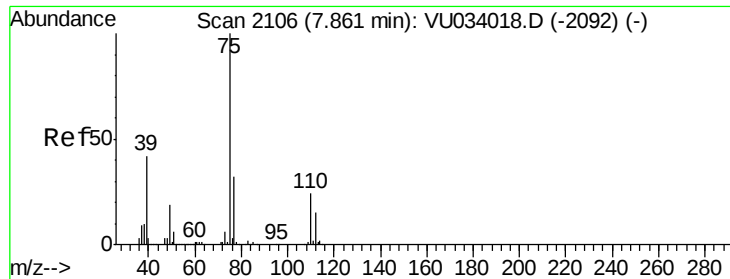
Tot Ion: 43 Resp: 1716713
 Ion Ratio Lower Upper
 43 100
 58 40.8 32.2 48.4



#52
 Toluene
 Concen: 50.455 ug/l
 RT: 7.62 min Scan# 2030
 Delta R.T. -0.00 min
 Lab File: VU034185.D
 Acq: 01 Sep 2019 21:31

Tgt Ion: 92 Resp: 562474
 Ion Ratio Lower Upper
 92 100
 91 173.2 138.3 207.5





#53

t-1,3-Dichloropropene

Concen: 47.089 ug/l

RT: 7.86 min Scan# 2106

Delta R.T. -0.00 min

Lab File: VU034185.D

Acq: 01 Sep 2019 21:31

Instrument :

MSVOA_U

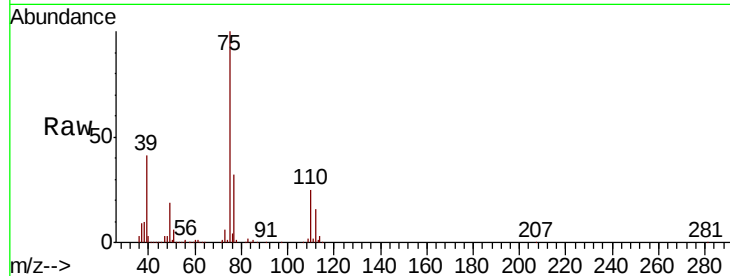
ClientSampleId :

Tot Ion: 75 Resp: 328086

Ion Ratio Lower Upper

75 100

77 31.9 25.4 38.0



Abundance Ion 74.90 (74.60 to 75.60): VU034185.D (-2092) (-)

Ion 76.90 (76.60 to 77.60): VU034185.D (-2092) (-)

7.86

200000

150000

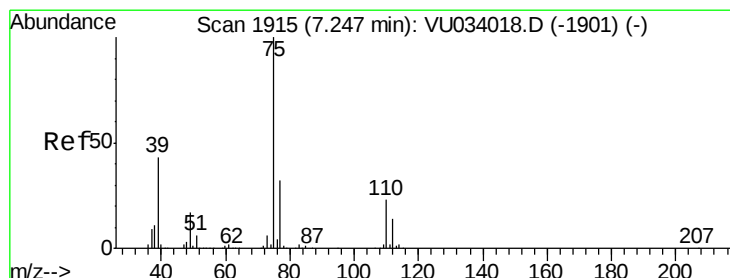
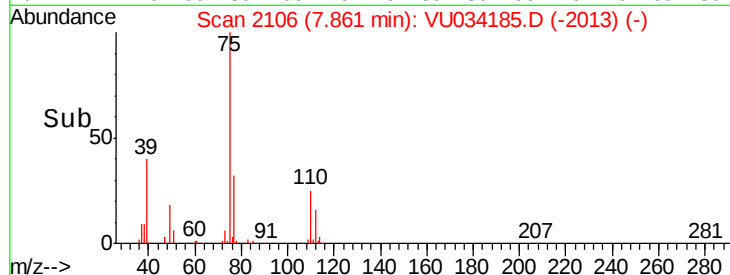
100000

50000

0

7.80 7.90 8.00

Time-->



#54

cis-1,3-Dichloropropene

Concen: 48.889 ug/l

RT: 7.25 min Scan# 1916

Delta R.T. 0.00 min

Lab File: VU034185.D

Acq: 01 Sep 2019 21:31

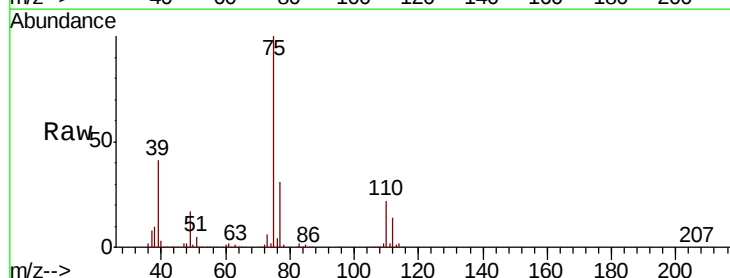
Tgt Ion: 75 Resp: 372135

Ion Ratio Lower Upper

75 100

77 31.3 25.2 37.8

39 40.8 34.6 51.8



Abundance Ion 74.90 (74.60 to 75.60): VU034185.D (-1901) (-)

Ion 76.90 (76.60 to 77.60): VU034185.D (-1901) (-)

Ion 39.00 (38.70 to 39.70): VU034185.D (-1901) (-)

7.25

250000

200000

150000

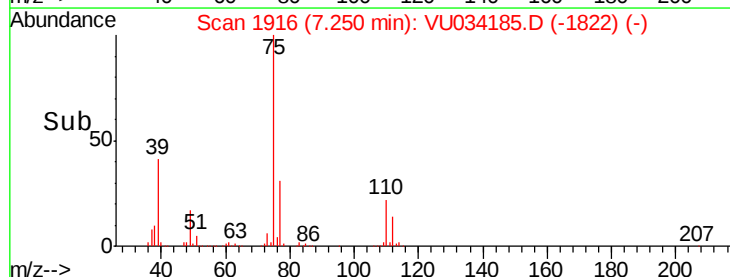
100000

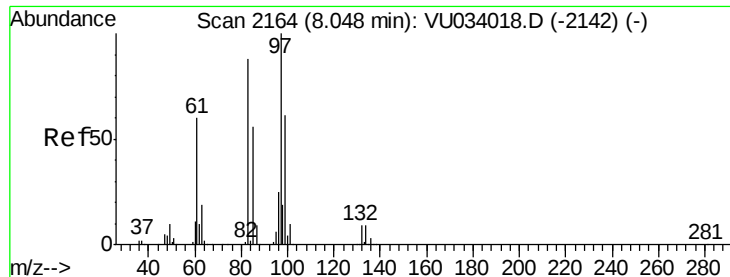
50000

0

7.20 7.30

Time-->





#55

1,1,2-Trichloroethane

Concen: 49.575 ug/l

RT: 8.05 min Scan# 2164

Delta R.T. -0.00 min

Lab File: VU034185.D

Acq: 01 Sep 2019 21:31

Instrument :

MSVOA_U

ClientSampleId :

Tot Ion: 97 Resp: 233768

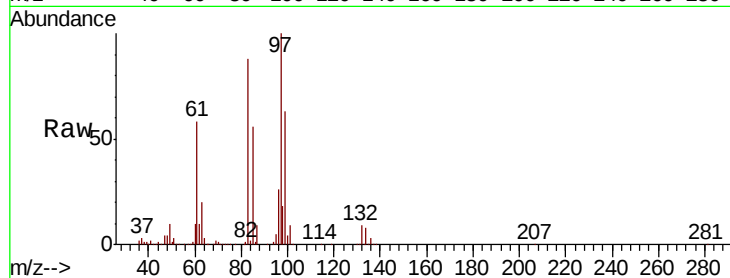
Ion Ratio Lower Upper

97 100

83 87.6 70.1 105.1

85 56.3 45.0 67.4

99 62.9 49.8 74.8

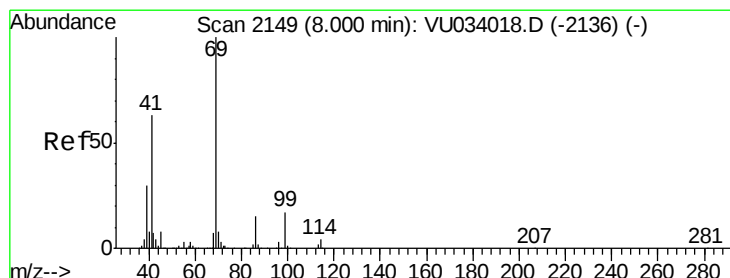
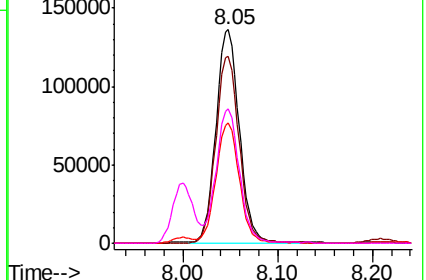
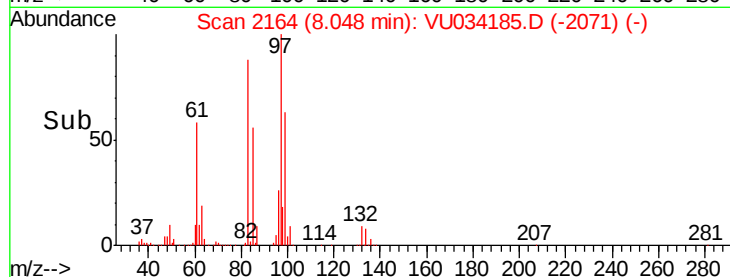


Abundance Ion 96.90 (96.60 to 97.60): VU0

Ion 82.90 (82.60 to 83.60): VU0

Ion 84.90 (84.60 to 85.60): VU0

Ion 98.90 (98.60 to 99.60): VU0



#56

Ethyl methacrylate

Concen: 45.288 ug/l

RT: 8.00 min Scan# 2149

Delta R.T. 0.00 min

Lab File: VU034185.D

Acq: 01 Sep 2019 21:31

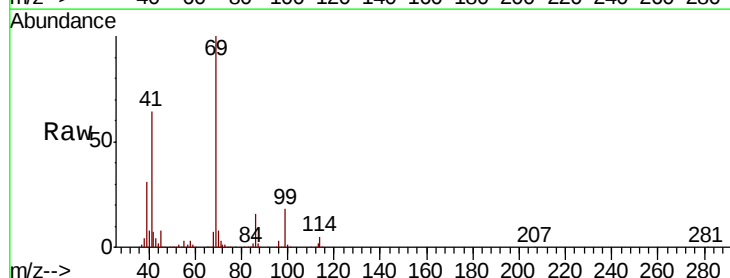
Tgt Ion: 69 Resp: 353496

Ion Ratio Lower Upper

69 100

41 63.7 50.7 76.1

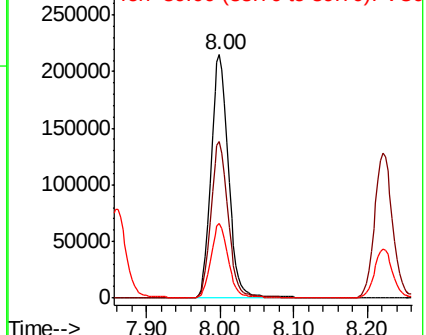
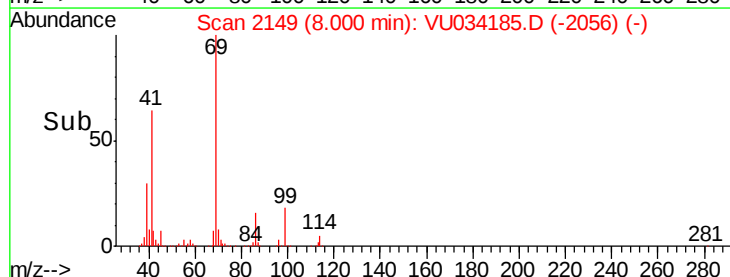
39 29.9 24.2 36.2

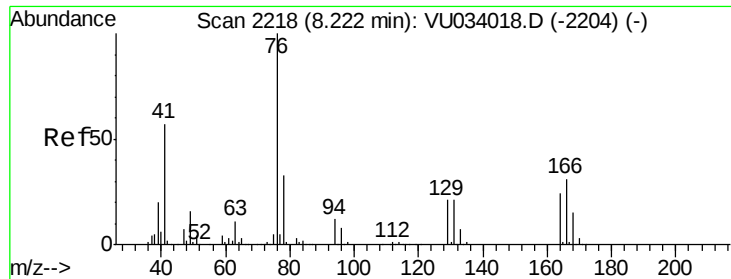


Abundance Ion 69.00 (68.70 to 69.70): VU0

Ion 41.00 (40.70 to 41.70): VU0

Ion 39.00 (38.70 to 39.70): VU0





#57

1,3-Dichloropropane

Concen: 49.391 ug/l

RT: 8.22 min Scan# 2218

Delta R.T. -0.00 min

Lab File: VU034185.D

Acq: 01 Sep 2019 21:31

Instrument :

MSVOA_U

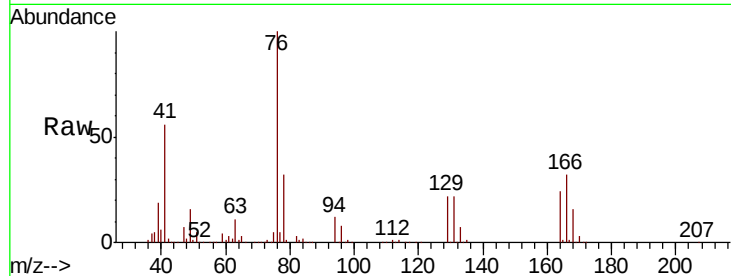
ClientSampleId :

Tot Ion: 76 Resp: 395453

Ion Ratio Lower Upper

76 100

78 31.9 26.2 39.4



Abundance Ion 75.90 (75.60 to 76.60): VU034018.D (-2204) (-)

Ion 77.90 (77.60 to 78.60): VU034018.D (-2204) (-)

8.22

250000

200000

150000

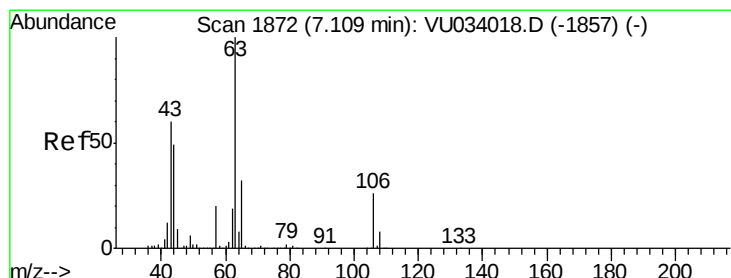
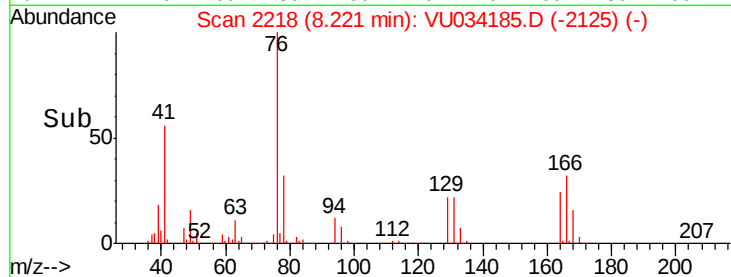
100000

50000

0

8.20 8.30

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 237.028 ug/l

RT: 7.11 min Scan# 1872

Delta R.T. -0.00 min

Lab File: VU034185.D

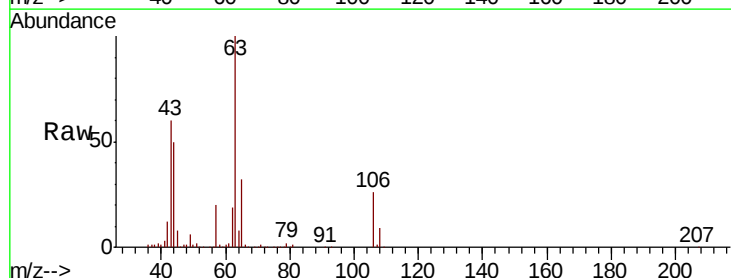
Acq: 01 Sep 2019 21:31

Tgt Ion: 63 Resp: 618343

Ion Ratio Lower Upper

63 100

106 25.8 20.7 31.1



Abundance Ion 62.90 (62.60 to 63.60): VU034018.D (-1857) (-)

Ion 105.90 (105.60 to 106.60): VU034018.D (-1857) (-)

7.11

400000

300000

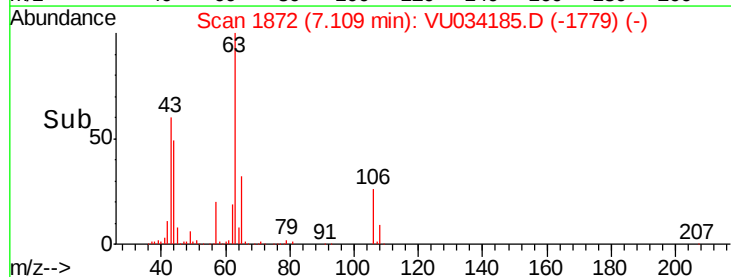
200000

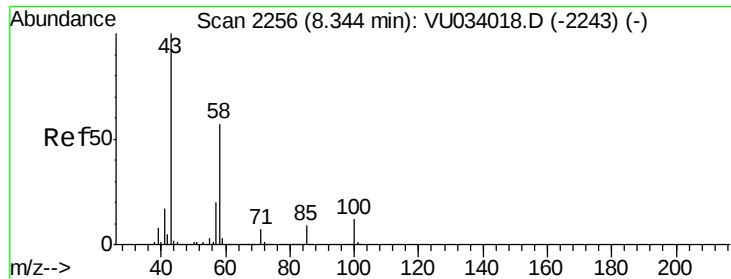
100000

0

7.00 7.10 7.20

Time-->

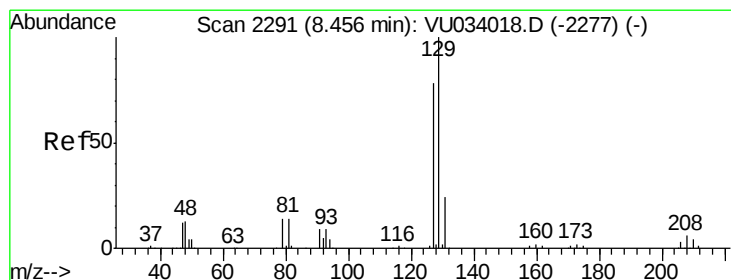
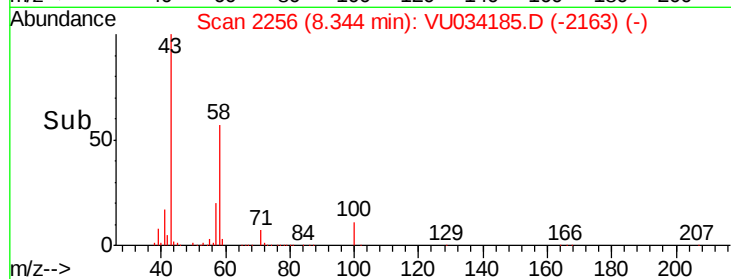
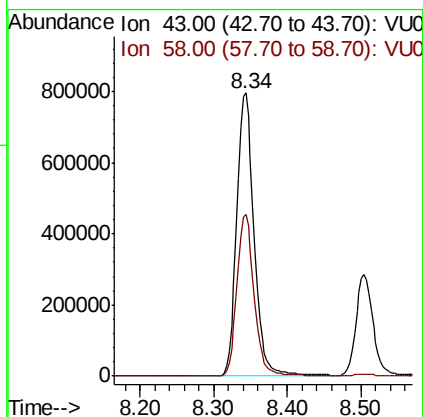
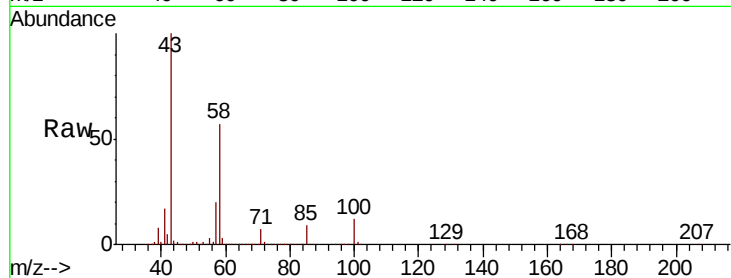




#59
2-Hexanone
Concen: 245.572 ug/l
RT: 8.34 min Scan# 2256
Delta R.T. -0.00 min
Lab File: VU034185.D
Acq: 01 Sep 2019 21:31

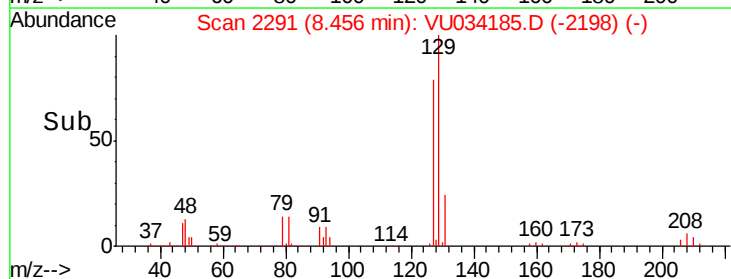
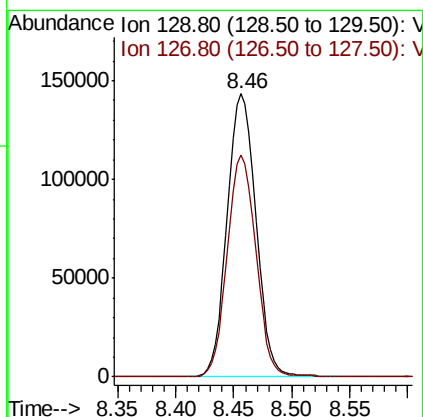
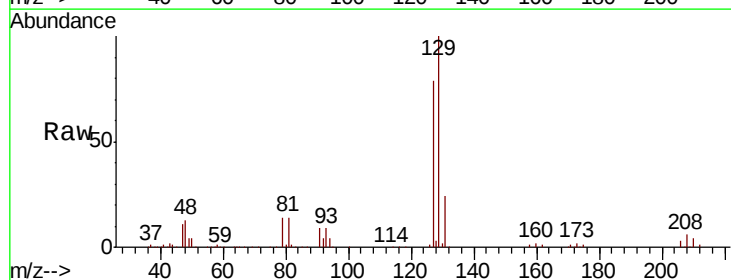
Instrument :
MSVOA_U
ClientSampleId :

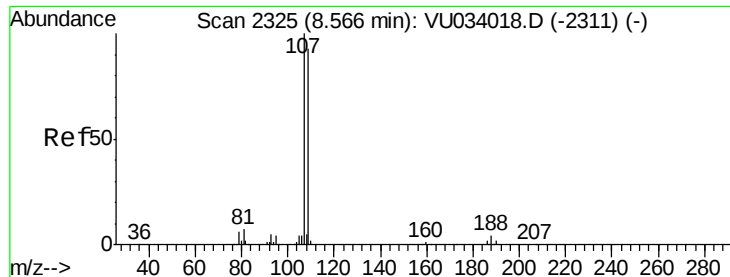
Tot Ion: 43 Resp: 1304599
Ion Ratio Lower Upper
43 100
58 56.9 28.4 85.3



#60
Dibromochloromethane
Concen: 48.826 ug/l
RT: 8.46 min Scan# 2291
Delta R.T. -0.00 min
Lab File: VU034185.D
Acq: 01 Sep 2019 21:31

Tgt Ion: 129 Resp: 247145
Ion Ratio Lower Upper
129 100
127 77.9 39.0 116.9





#61

1,2-Dibromoethane

Concen: 47.738 ug/l

RT: 8.57 min Scan# 2325

Delta R.T. -0.00 min

Lab File: VU034185.D

Acq: 01 Sep 2019 21:31

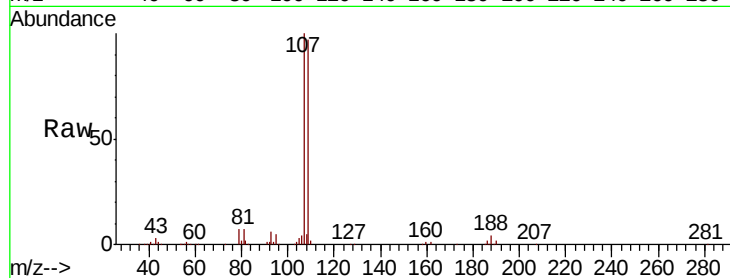
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion:107 Resp: 237128

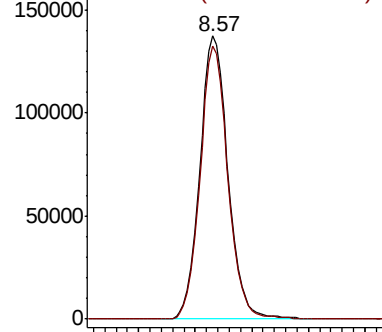
Ion Ratio Lower Upper

107 100

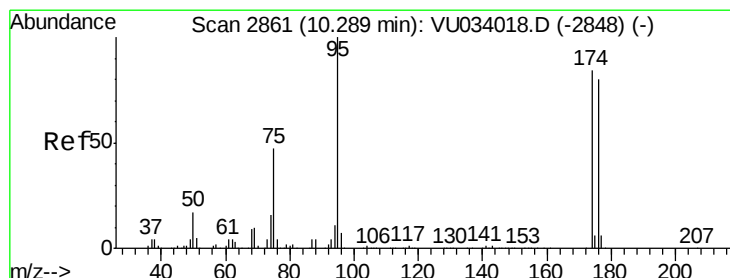
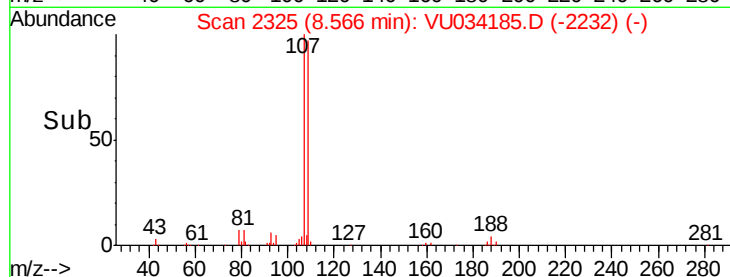
109 95.1 75.2 112.8



Abundance Ion 106.90 (106.60 to 107.60): V
Ion 108.80 (108.50 to 109.50): V



Time-->



#62

4-Bromofluorobenzene

Concen: 49.591 ug/l

RT: 10.29 min Scan# 2860

Delta R.T. -0.00 min

Lab File: VU034185.D

Acq: 01 Sep 2019 21:31

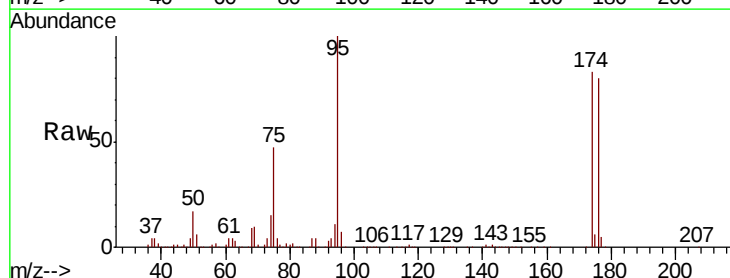
Tgt Ion: 95 Resp: 316803

Ion Ratio Lower Upper

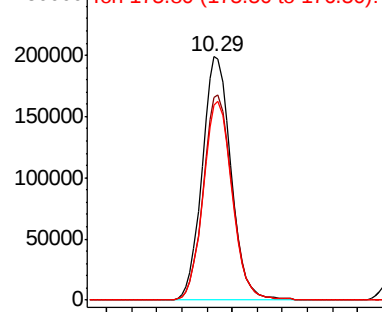
95 100

174 84.6 0.0 168.8

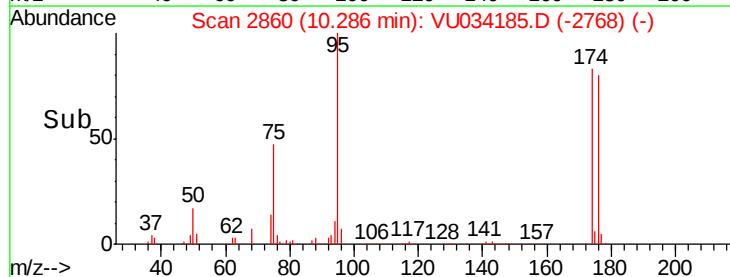
176 82.2 0.0 161.8

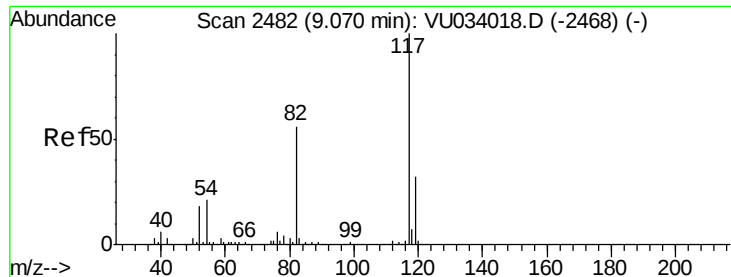


Abundance Ion 94.90 (94.60 to 95.60): VU0
Ion 173.80 (173.50 to 174.50): V
Ion 175.80 (175.50 to 176.50): V



Time-->

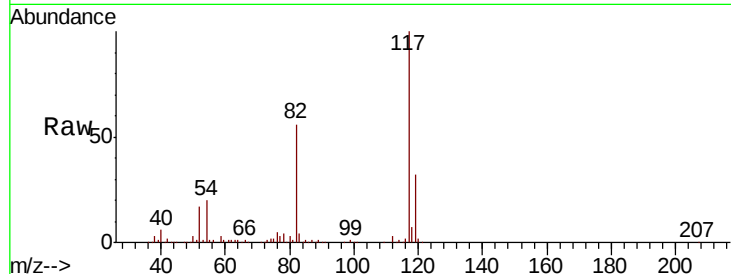




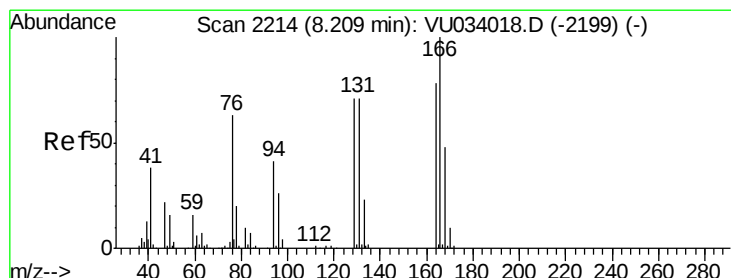
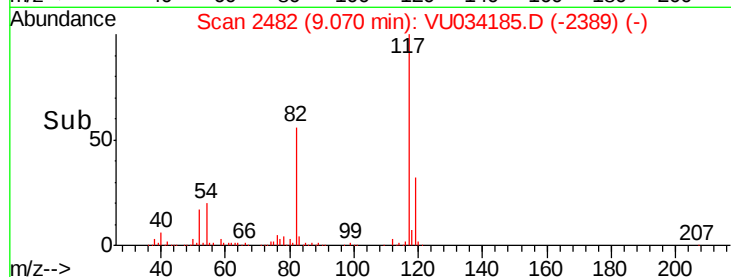
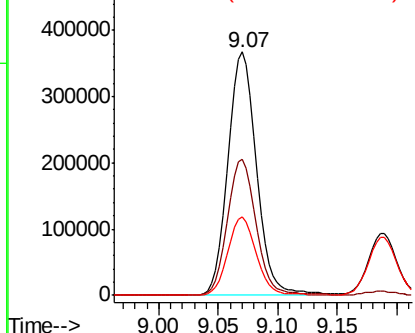
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.07 min Scan# 2482
Delta R.T. -0.00 min
Lab File: VU034185.D
Acq: 01 Sep 2019 21:31

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion:117 Resp: 613828
Ion Ratio Lower Upper
117 100
82 55.9 45.1 67.7
119 32.2 25.4 38.0

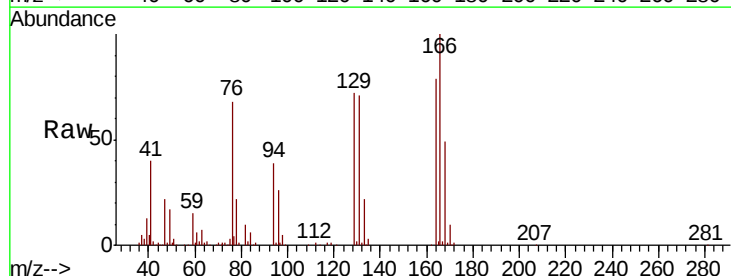


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

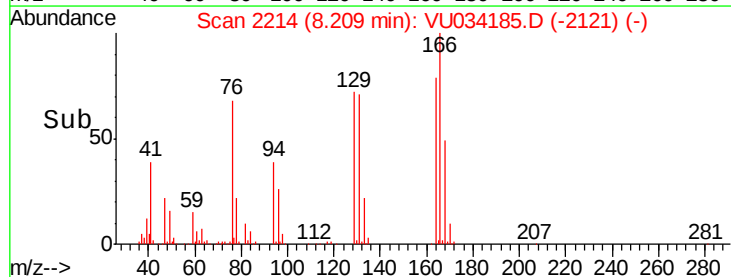
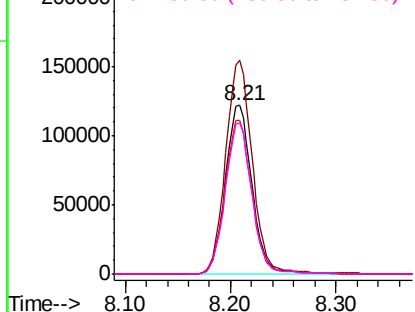


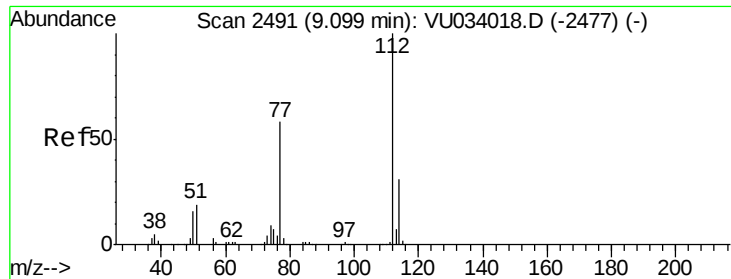
#64
Tetrachloroethene
Concen: 51.494 ug/l
RT: 8.21 min Scan# 2214
Delta R.T. -0.00 min
Lab File: VU034185.D
Acq: 01 Sep 2019 21:31

Tgt Ion:164 Resp: 212270
Ion Ratio Lower Upper
164 100
166 126.8 102.2 153.2
129 91.3 72.4 108.6
131 90.0 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

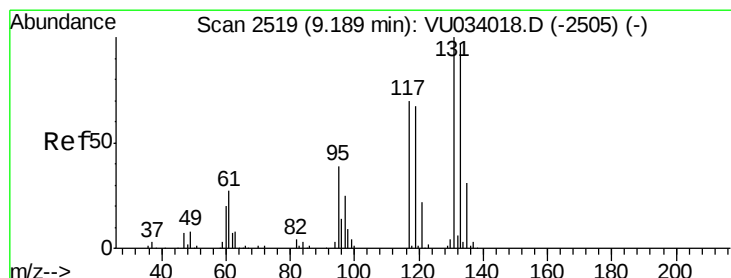
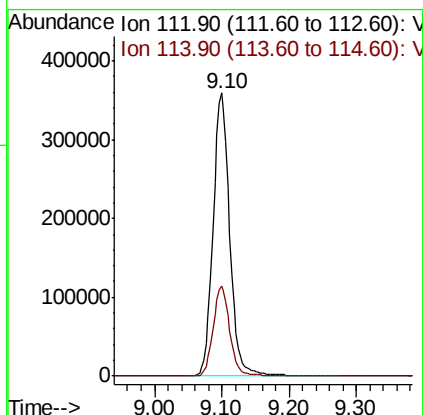
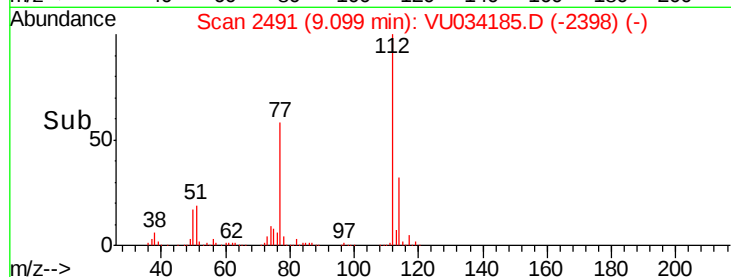
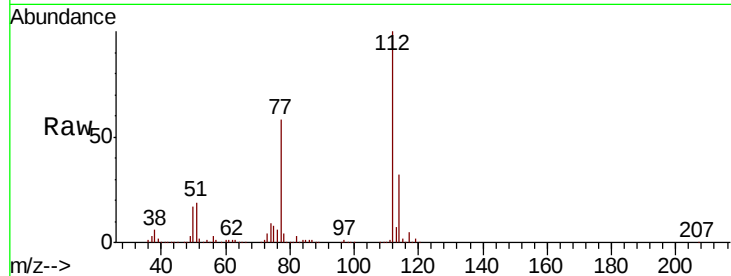




#65
Chlorobenzene
Concen: 48.990 ug/l
RT: 9.10 min Scan# 2491
Delta R.T. -0.00 min
Lab File: VU034185.D
Acq: 01 Sep 2019 21:31

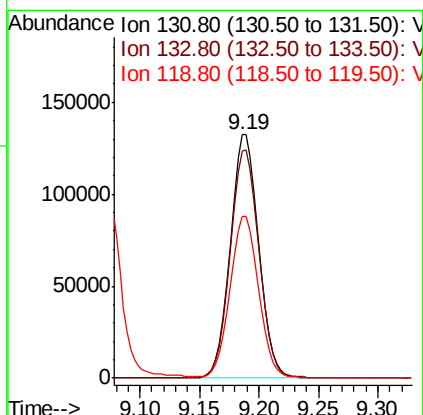
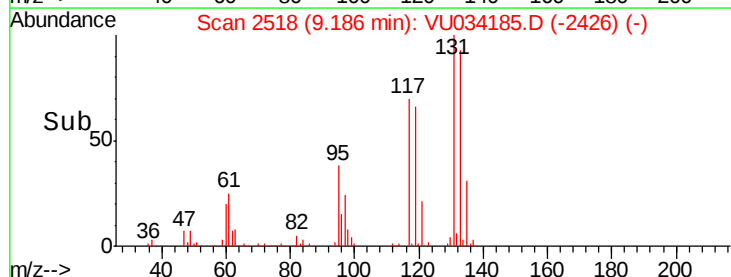
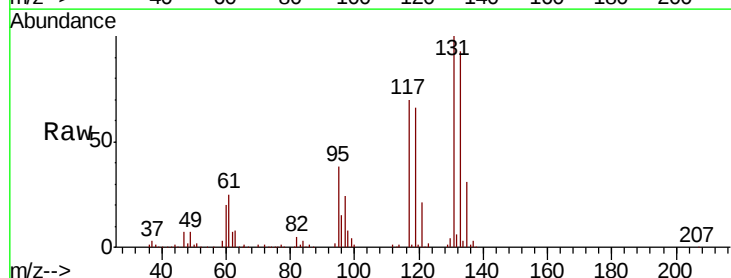
Instrument :
MSVOA_U
ClientSampleId :

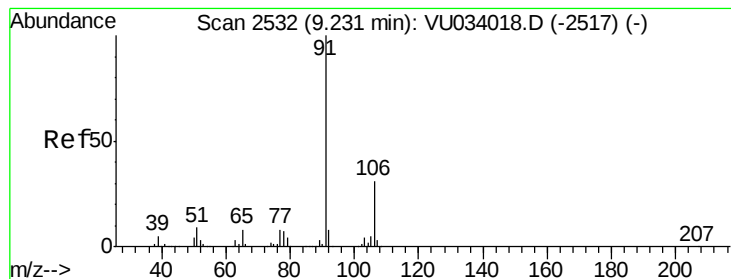
Tot Ion:112 Resp: 618836
Ion Ratio Lower Upper
112 100
114 31.7 25.0 37.4



#66
1,1,1,2-Tetrachloroethane
Concen: 47.818 ug/l
RT: 9.19 min Scan# 2518
Delta R.T. -0.00 min
Lab File: VU034185.D
Acq: 01 Sep 2019 21:31

Tgt Ion:131 Resp: 219031
Ion Ratio Lower Upper
131 100
133 95.0 48.4 145.2
119 67.7 33.6 100.6





#67

Ethyl Benzene

Concen: 49.884 ug/l

RT: 9.23 min Scan# 2532

Delta R.T. -0.00 min

Lab File: VU034185.D

Acq: 01 Sep 2019 21:31

Instrument :

MSVOA_U

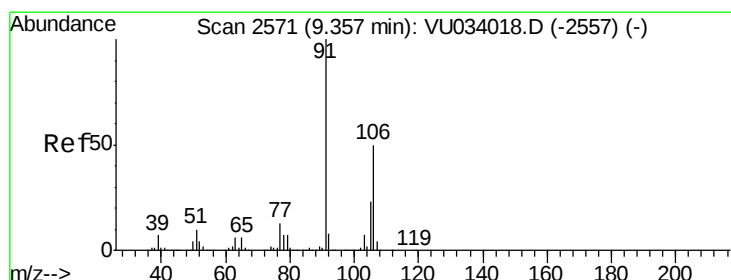
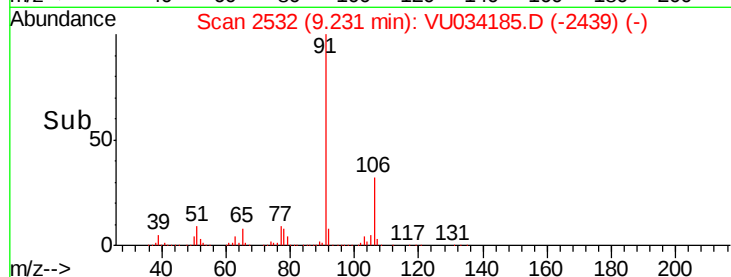
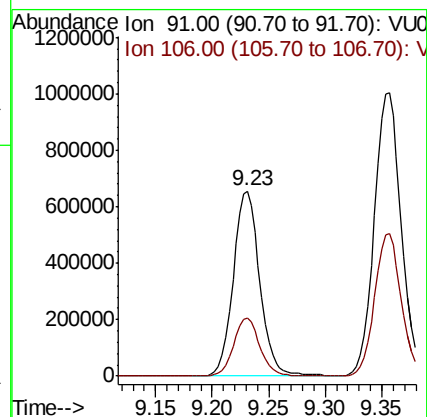
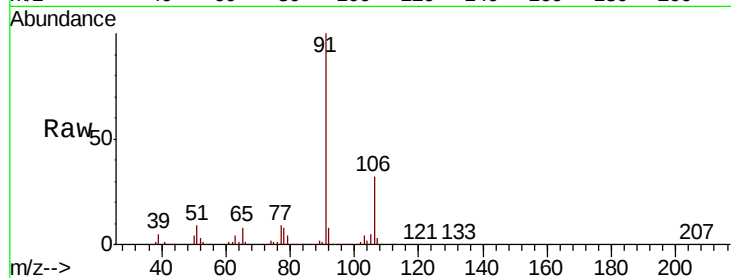
ClientSampleId :

Tot Ion: 91 Resp: 1068164

Ion Ratio Lower Upper

91 100

106 31.5 24.9 37.3



#68

m/p-Xylenes

Concen: 102.459 ug/l

RT: 9.36 min Scan# 2571

Delta R.T. -0.00 min

Lab File: VU034185.D

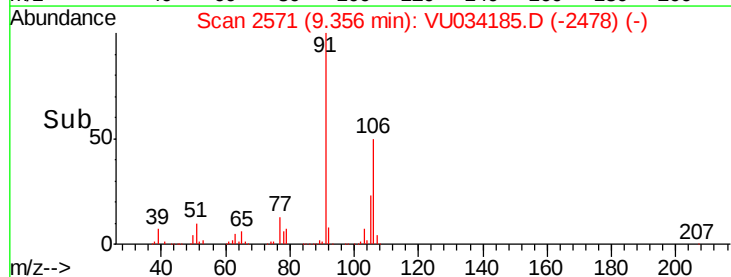
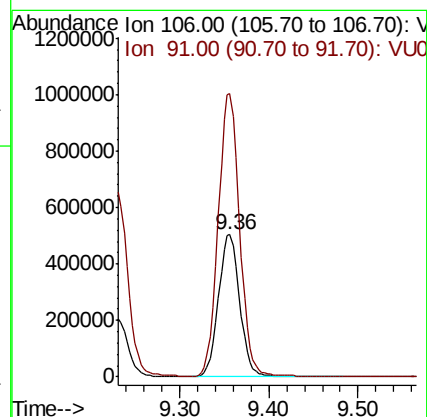
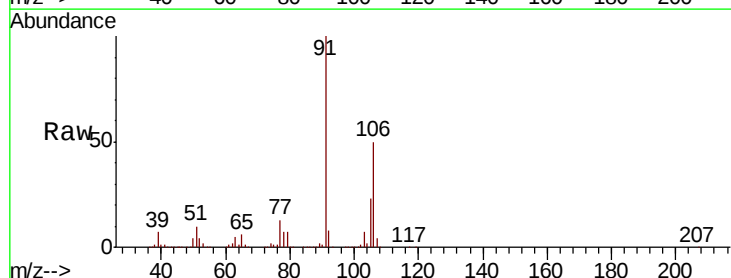
Acq: 01 Sep 2019 21:31

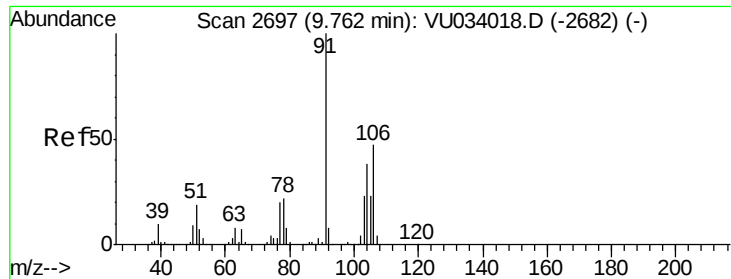
Tgt Ion: 106 Resp: 834223

Ion Ratio Lower Upper

106 100

91 200.3 161.6 242.4

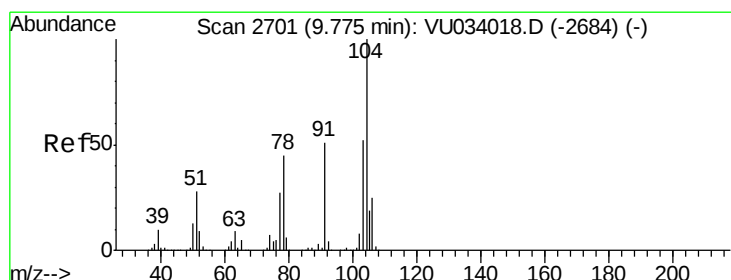
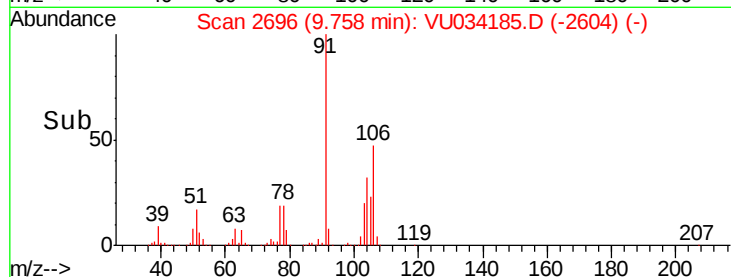
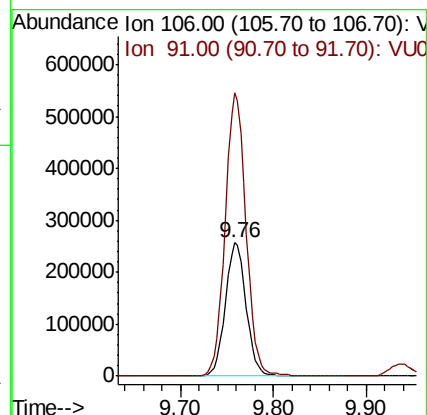
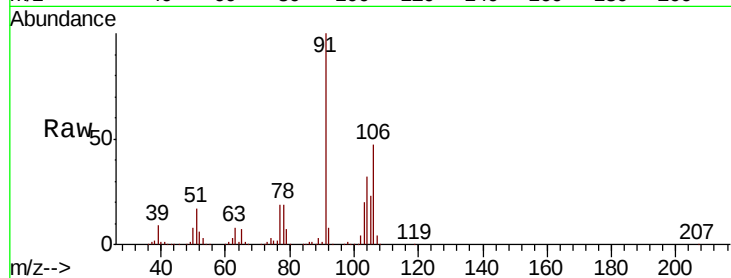




#69
o-Xylene
Concen: 51.080 ug/l
RT: 9.76 min Scan# 2696
Delta R.T. -0.00 min
Lab File: VU034185.D
Acq: 01 Sep 2019 21:31

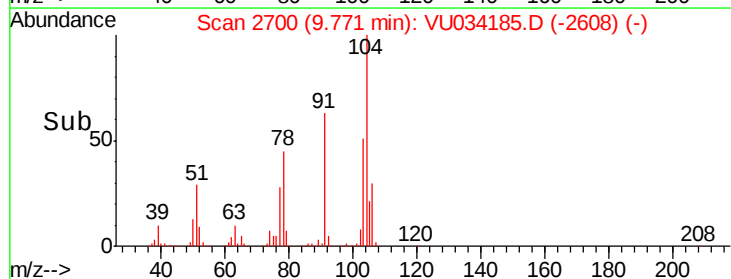
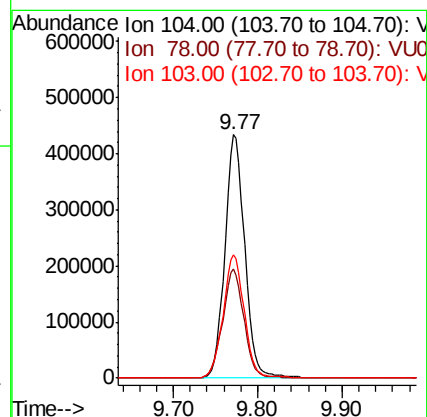
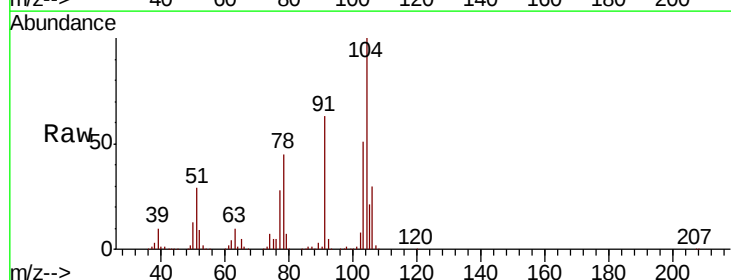
Instrument :
MSVOA_U
ClientSampled :

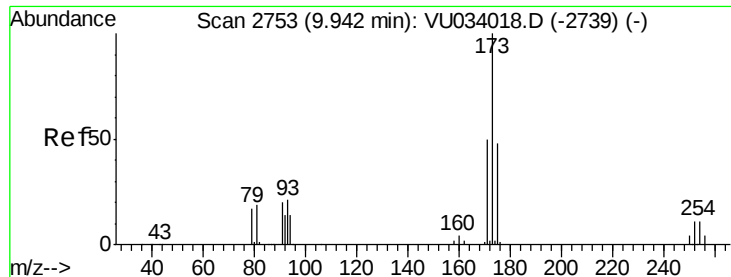
Tot Ion:106 Resp: 399007
Ion Ratio Lower Upper
106 100
91 212.7 106.0 318.0



#70
Styrene
Concen: 53.163 ug/l
RT: 9.77 min Scan# 2700
Delta R.T. -0.00 min
Lab File: VU034185.D
Acq: 01 Sep 2019 21:31

Tgt Ion:104 Resp: 712037
Ion Ratio Lower Upper
104 100
78 48.1 39.0 58.4
103 53.9 44.0 66.0





#71

Bromoform

Concen: 46.609 ug/l

RT: 9.94 min Scan# 2752

Delta R.T. -0.00 min

Lab File: VU034185.D

Acq: 01 Sep 2019 21:31

Instrument :
MSVOA_U
ClientSampled :

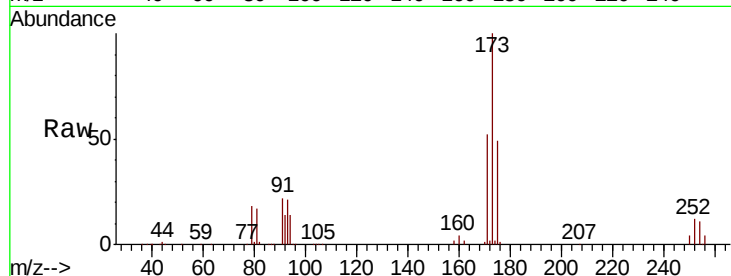
Tot Ion:173 Resp: 185490

Ion Ratio Lower Upper

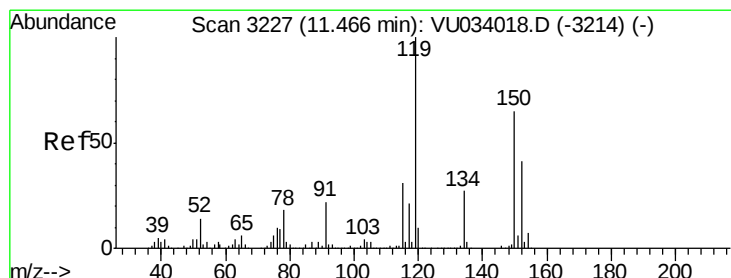
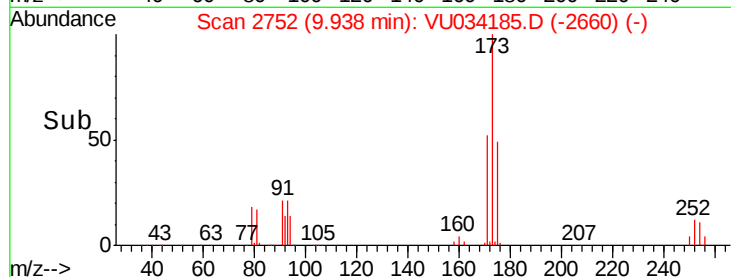
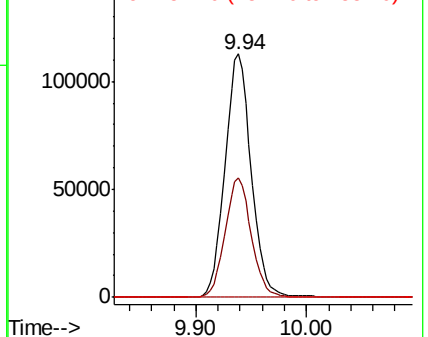
173 100

175 49.1 24.6 73.6

254 0.1 0.0 0.0#



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 11.46 min Scan# 3226

Delta R.T. -0.00 min

Lab File: VU034185.D

Acq: 01 Sep 2019 21:31

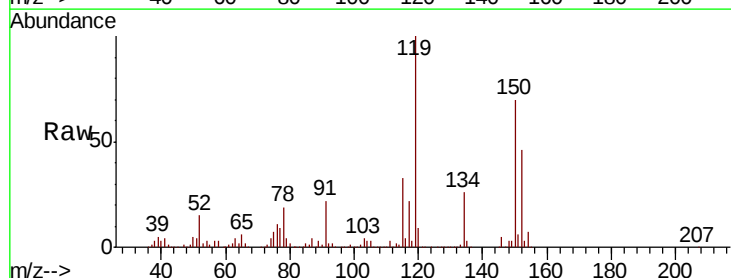
Tgt Ion:152 Resp: 339677

Ion Ratio Lower Upper

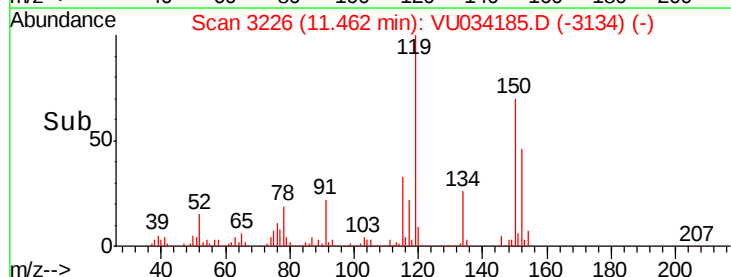
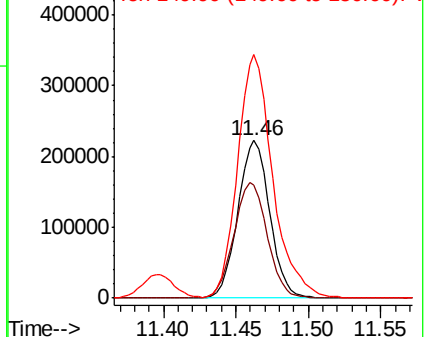
152 100

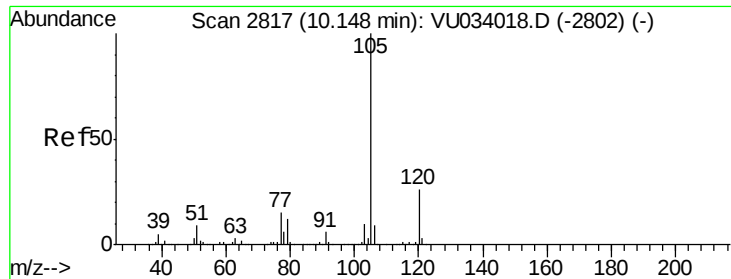
115 76.8 41.1 123.3

150 170.8 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: 46.989 ug/l

RT: 10.15 min Scan# 2817

Delta R.T. -0.00 min

Lab File: VU034185.D

Acq: 01 Sep 2019 21:31

Instrument :

MSVOA_U

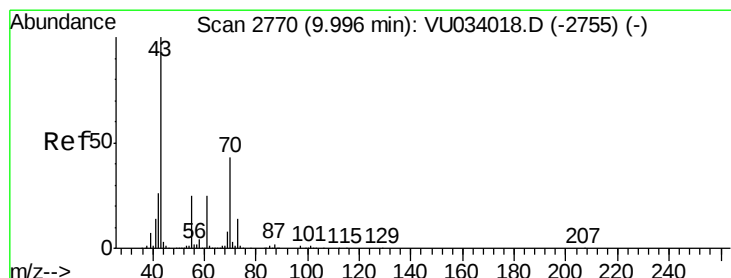
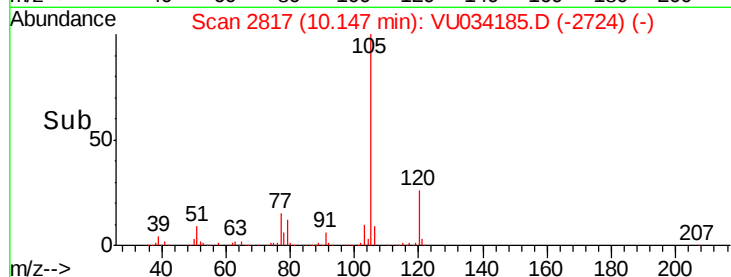
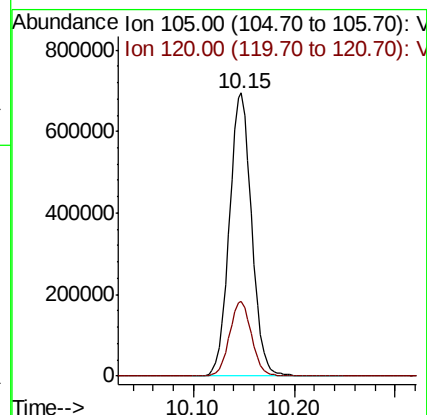
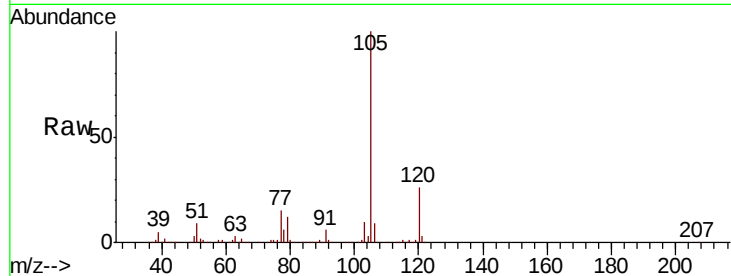
ClientSampleId :

Tot Ion:105 Resp: 1072092

Ion Ratio Lower Upper

105 100

120 26.3 13.3 39.8



#74

N-ethyl acetate

Concen: 47.745 ug/l

RT: 9.99 min Scan# 2769

Delta R.T. -0.00 min

Lab File: VU034185.D

Acq: 01 Sep 2019 21:31

Tgt Ion: 43 Resp: 458173

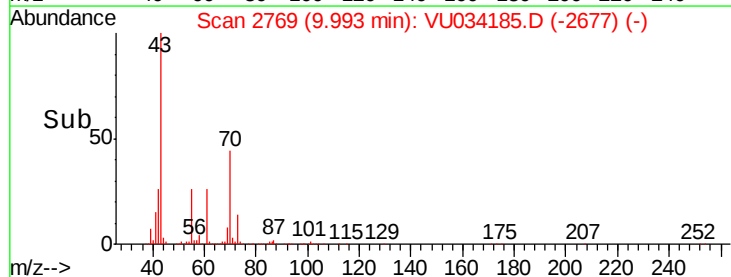
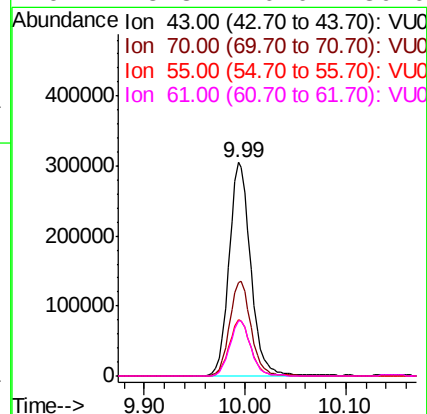
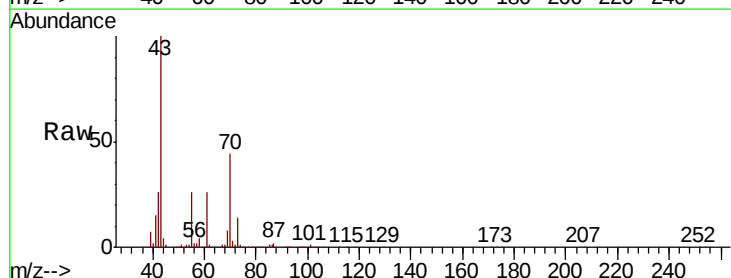
Ion Ratio Lower Upper

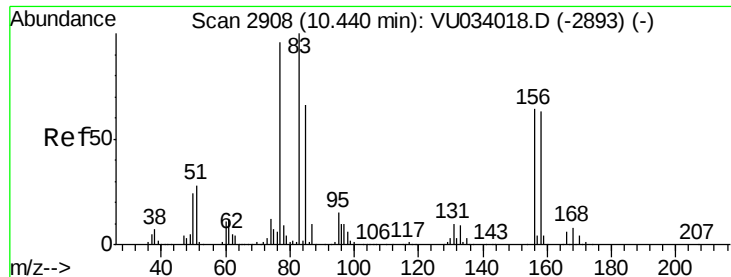
43 100

70 44.0 35.2 52.8

55 26.4 20.5 30.7

61 25.3 20.0 30.0





#75

1,1,2,2-Tetrachloroethane

Concen: 44.631 ug/l

RT: 10.44 min Scan# 2907

Delta R.T. -0.00 min

Lab File: VU034185.D

Acq: 01 Sep 2019 21:31

Instrument :

MSVOA_U

ClientSampleId :

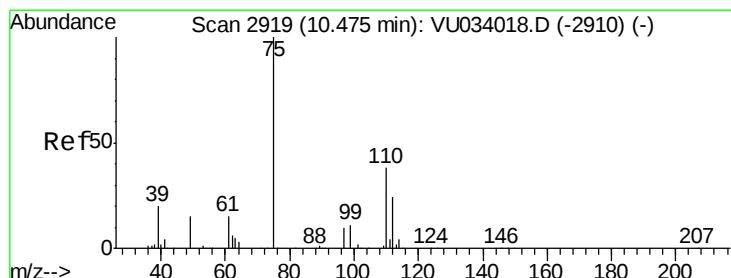
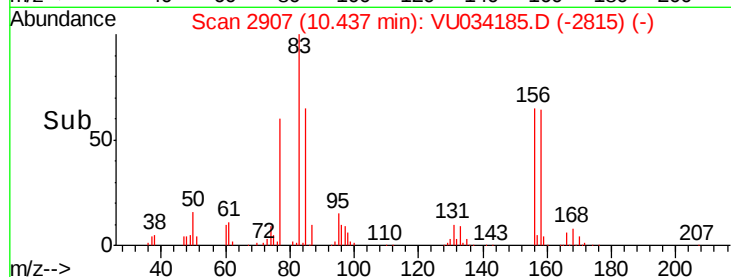
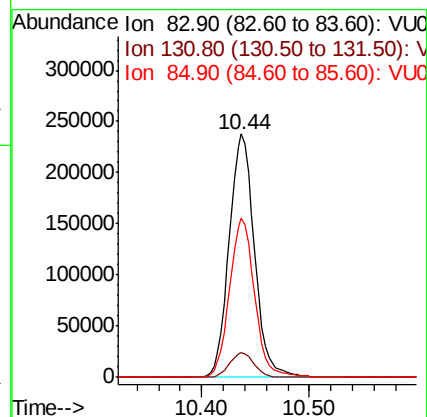
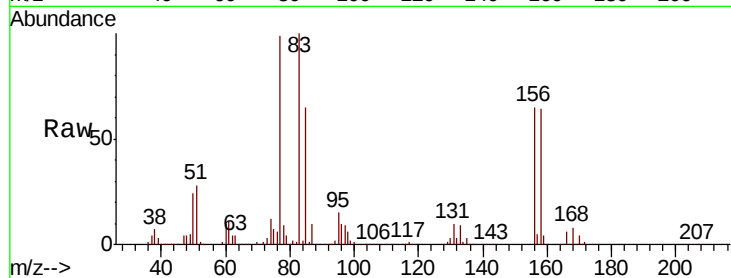
Tot Ion: 83 Resp: 389751

Ion Ratio Lower Upper

83 100

131 9.8 5.0 14.9

85 64.8 32.2 96.6



#76

1,2,3-Trichloropropane

Concen: 53.958 ug/l

RT: 10.47 min Scan# 2918

Delta R.T. -0.00 min

Lab File: VU034185.D

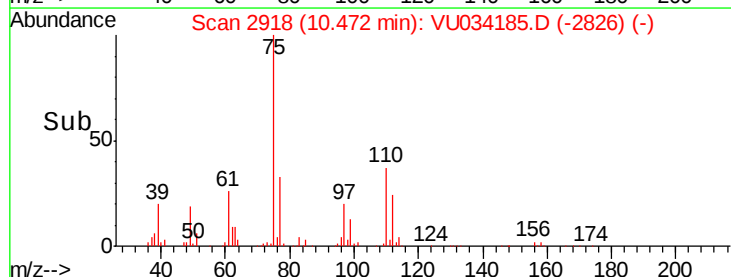
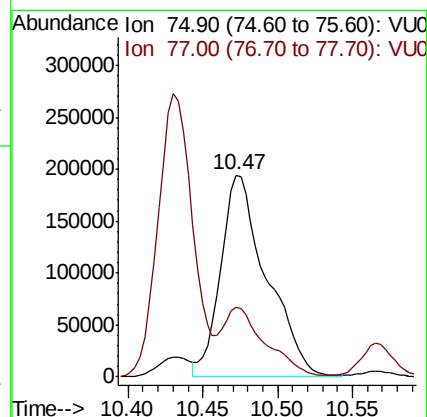
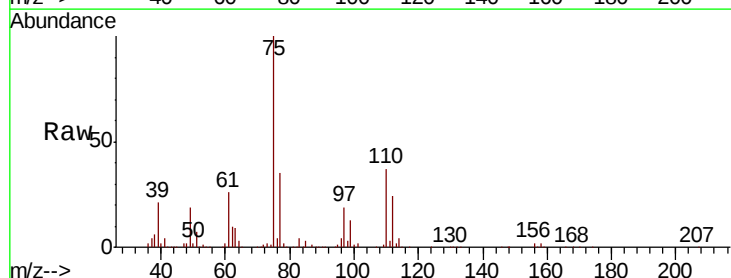
Acq: 01 Sep 2019 21:31

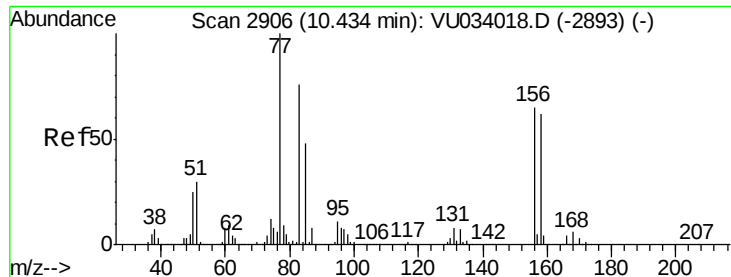
Tgt Ion: 75 Resp: 413087

Ion Ratio Lower Upper

75 100

77 31.5 20.1 60.2





#77

Bromobenzene

Concen: 45.848 ug/l

RT: 10.43 min Scan# 2905

Delta R.T. -0.00 min

Lab File: VU034185.D

Acq: 01 Sep 2019 21:31

Instrument :

MSVOA_U

ClientSampleId :

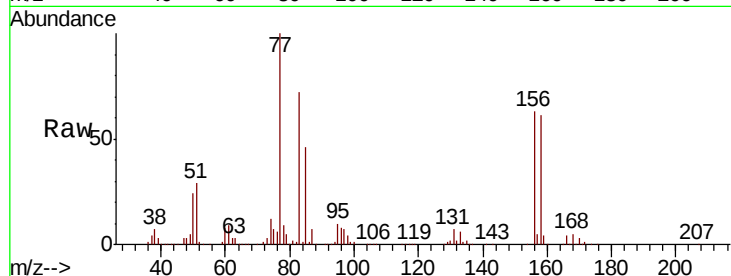
Tot Ion:156 Resp: 281396

Ion Ratio Lower Upper

156 100

77 158.0 76.8 230.5

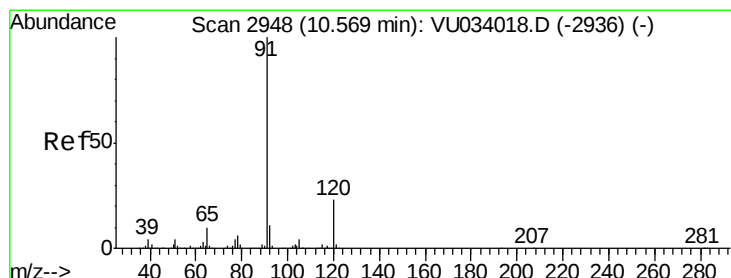
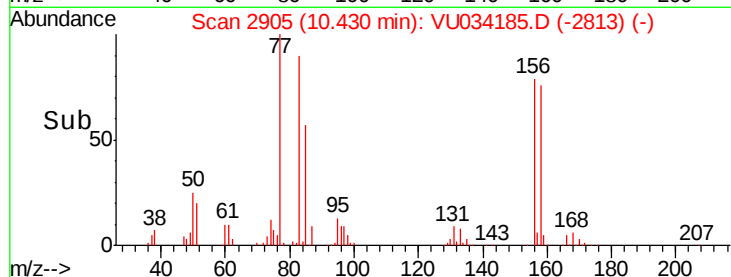
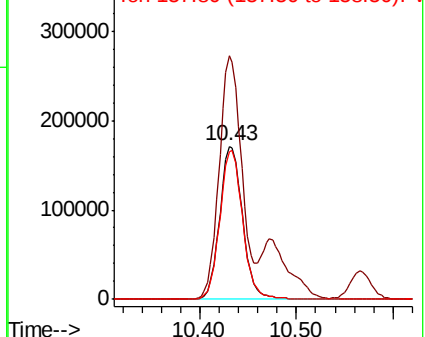
158 97.3 48.4 145.0



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: 47.429 ug/l

RT: 10.57 min Scan# 2947

Delta R.T. -0.00 min

Lab File: VU034185.D

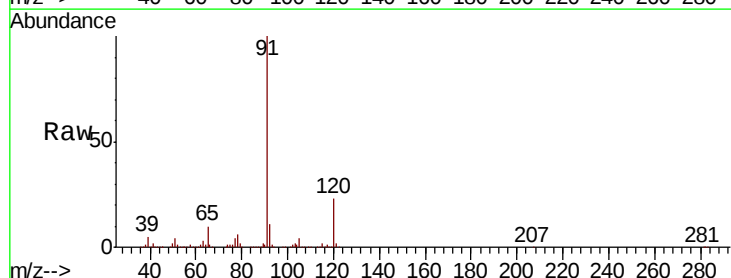
Acq: 01 Sep 2019 21:31

Tgt Ion: 91 Resp: 1260240

Ion Ratio Lower Upper

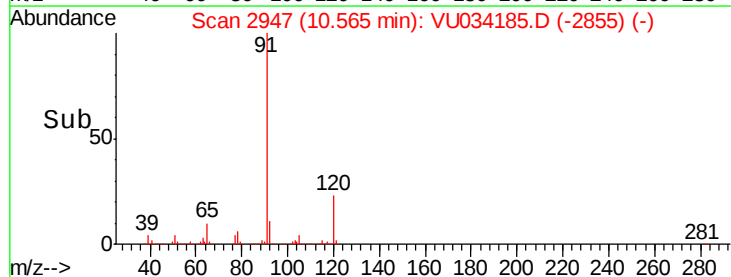
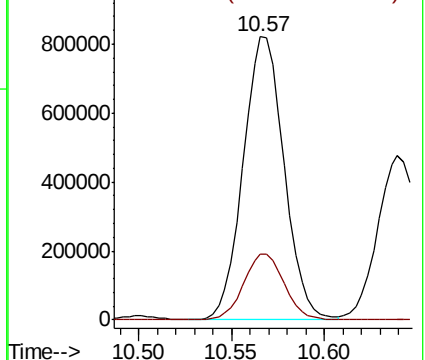
91 100

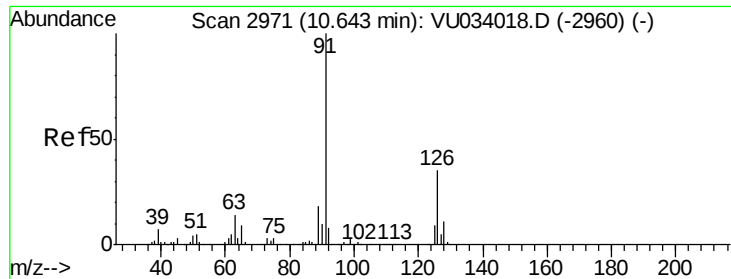
120 23.1 11.7 35.0



Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 46.782 ug/l

RT: 10.64 min Scan# 2970

Delta R.T. -0.00 min

Lab File: VU034185.D

Acq: 01 Sep 2019 21:31

Instrument :

MSVOA_U

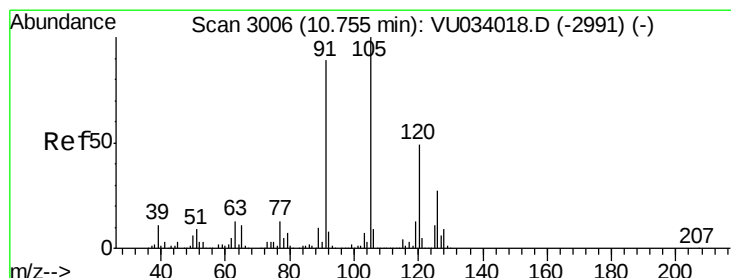
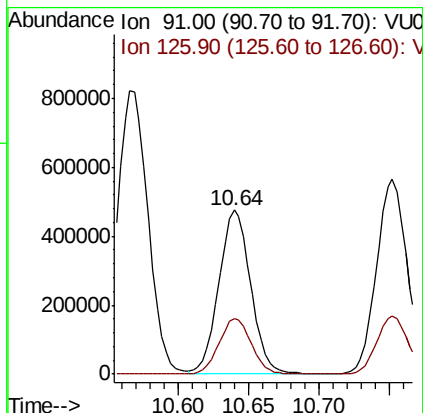
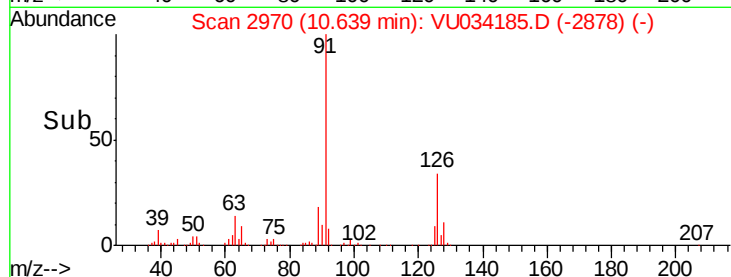
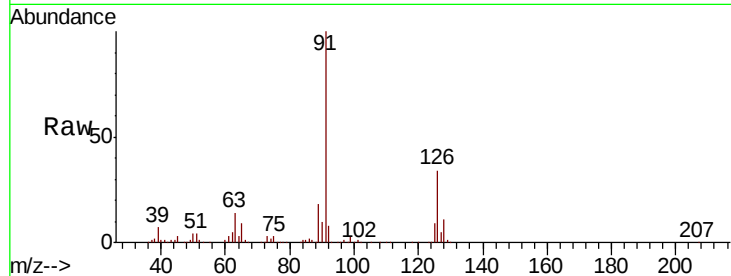
ClientSampleId :

Tot Ion: 91 Resp: 745592

Ion Ratio Lower Upper

91 100

126 34.3 17.1 51.2



#80

1,3,5-Trimethylbenzene

Concen: 47.928 ug/l

RT: 10.75 min Scan# 3005

Delta R.T. -0.00 min

Lab File: VU034185.D

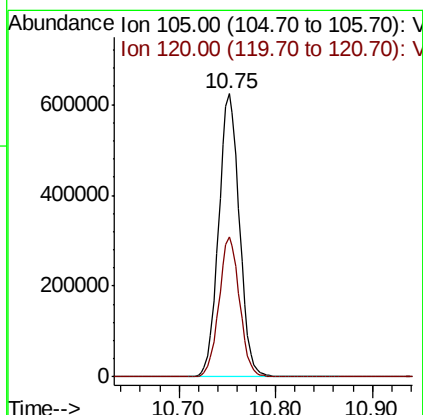
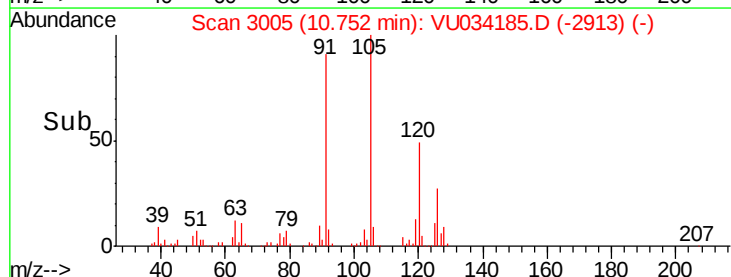
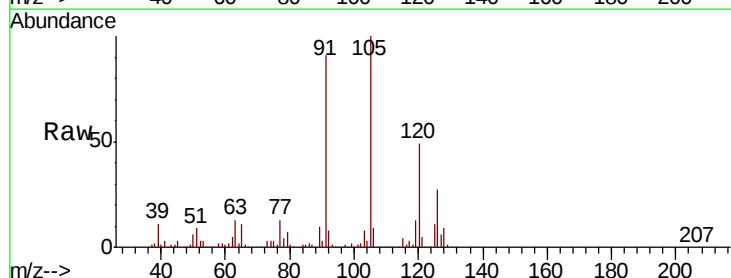
Acq: 01 Sep 2019 21:31

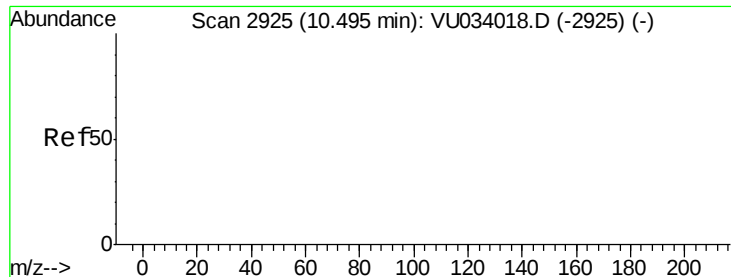
Tgt Ion: 105 Resp: 926836

Ion Ratio Lower Upper

105 100

120 49.2 24.6 73.6

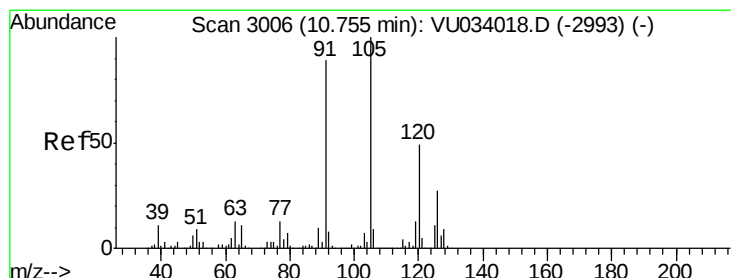
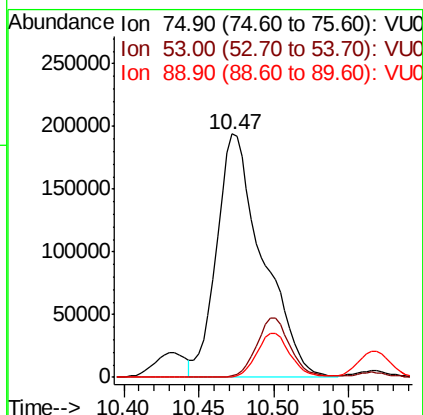
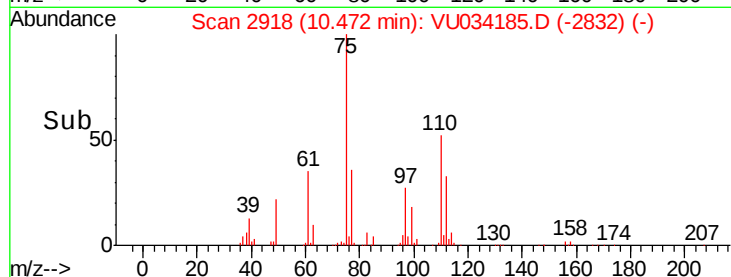
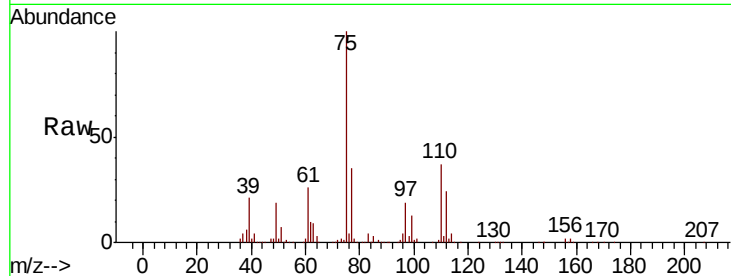




#81
trans-1,4-Dichloro-2-butene
Concen: 182.387 ug/l
RT: 10.47 min Scan# 2918
Delta R.T. -0.02 min
Lab File: VU034185.D
Acq: 01 Sep 2019 21:31

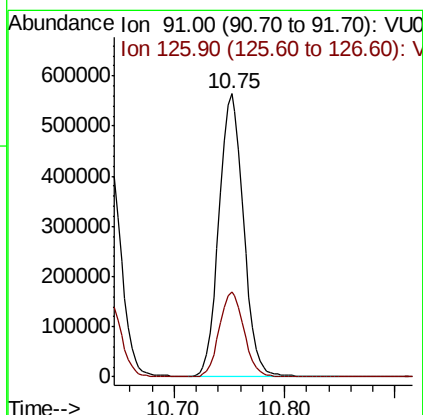
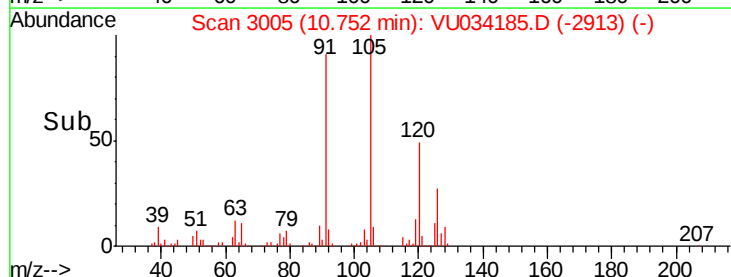
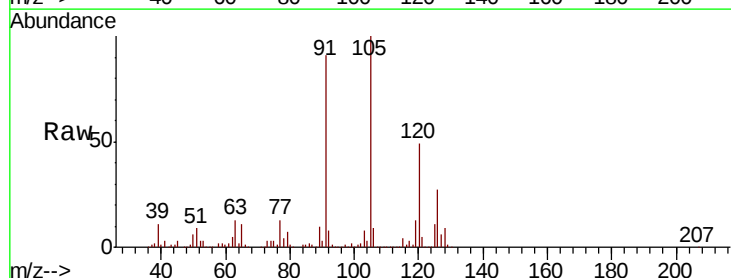
Instrument :
MSVOA_U
ClientSampleId :

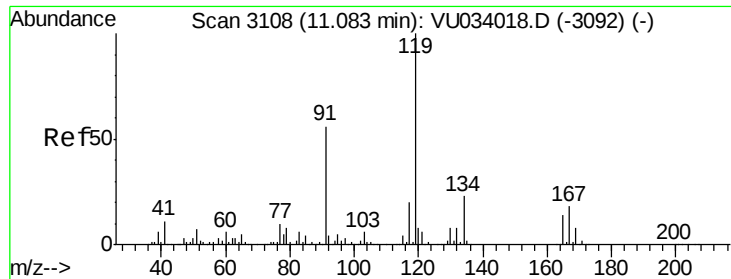
Tot Ion: 75 Resp: 414674
Ion Ratio Lower Upper
75 100
53 0.0 0.0 0.0
89 0.0 0.0 0.0



#82
4-Chlorotoluene
Concen: 47.295 ug/l
RT: 10.75 min Scan# 3005
Delta R.T. -0.00 min
Lab File: VU034185.D
Acq: 01 Sep 2019 21:31

Tgt Ion: 91 Resp: 866889
Ion Ratio Lower Upper
91 100
126 30.3 15.0 45.1





#83

tert-Butylbenzene

Concen: 45.800 ug/l

RT: 11.08 min Scan# 3107

Delta R.T. -0.00 min

Lab File: VU034185.D

Acq: 01 Sep 2019 21:31

Instrument :

MSVOA_U

ClientSampleId :

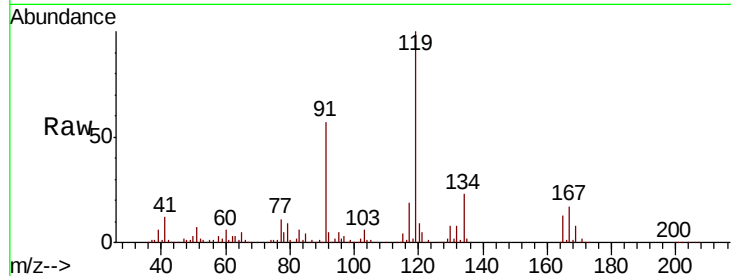
Tot Ion:119 Resp: 871885

Ion Ratio Lower Upper

119 100

91 56.7 27.9 83.6

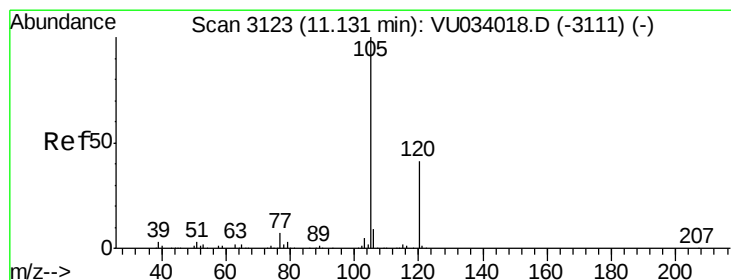
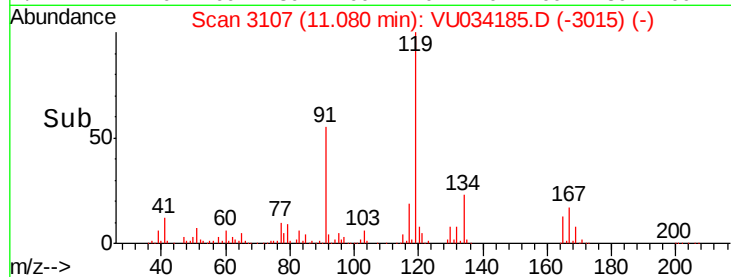
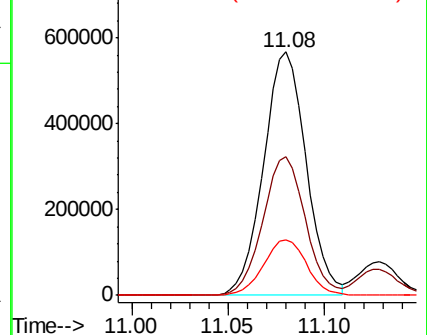
134 23.0 11.4 34.2



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VU0

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 48.713 ug/l

RT: 11.13 min Scan# 3122

Delta R.T. -0.00 min

Lab File: VU034185.D

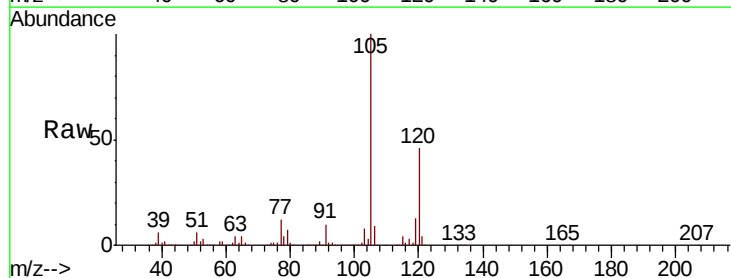
Acq: 01 Sep 2019 21:31

Tgt Ion:105 Resp: 935397

Ion Ratio Lower Upper

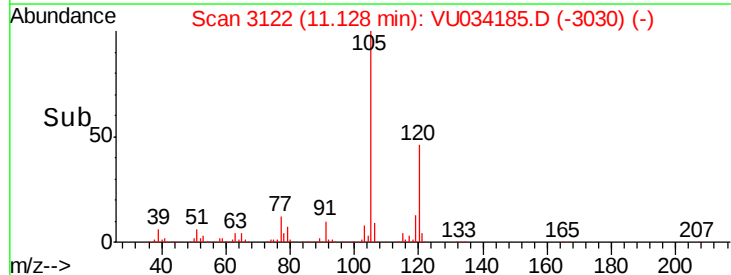
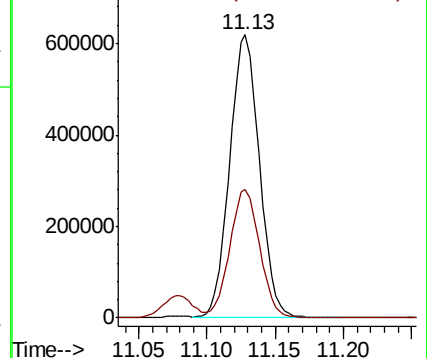
105 100

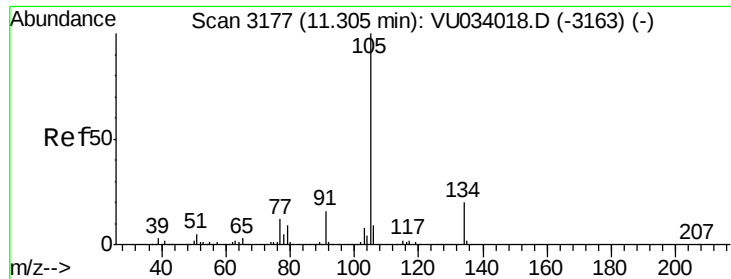
120 45.8 22.6 67.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 46.610 ug/l

RT: 11.30 min Scan# 3176

Delta R.T. -0.00 min

Lab File: VU034185.D

Acq: 01 Sep 2019 21:31

Instrument :

MSVOA_U

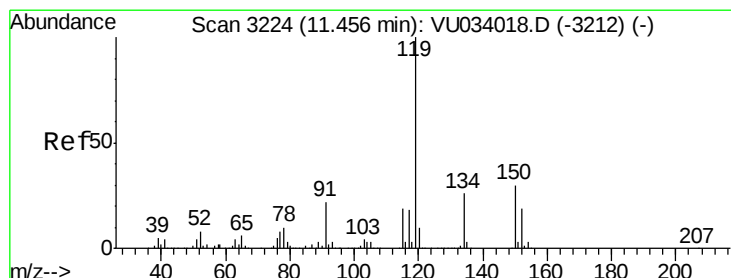
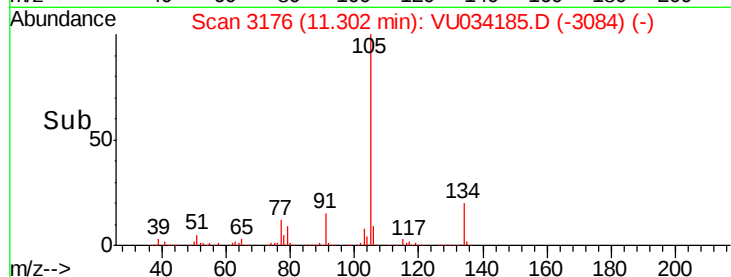
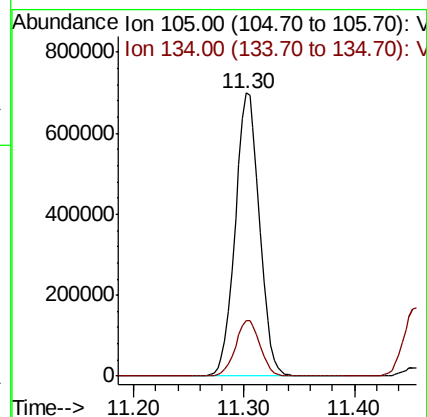
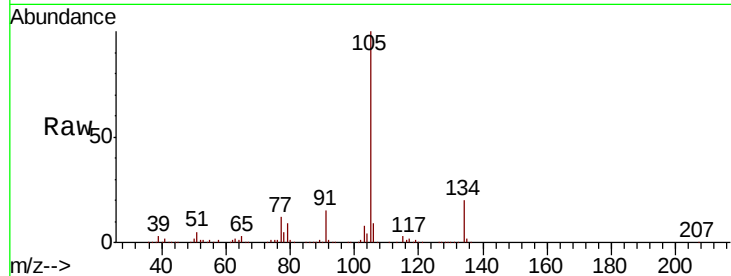
ClientSampleId :

Tot Ion:105 Resp: 1063480

Ion Ratio Lower Upper

105 100

134 19.9 10.0 30.0



#86

p-Isopropyltoluene

Concen: 47.176 ug/l

RT: 11.46 min Scan# 3224

Delta R.T. -0.00 min

Lab File: VU034185.D

Acq: 01 Sep 2019 21:31

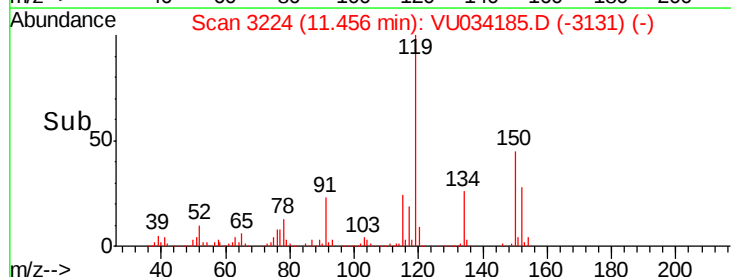
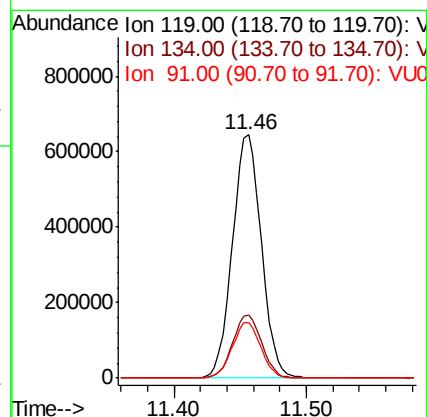
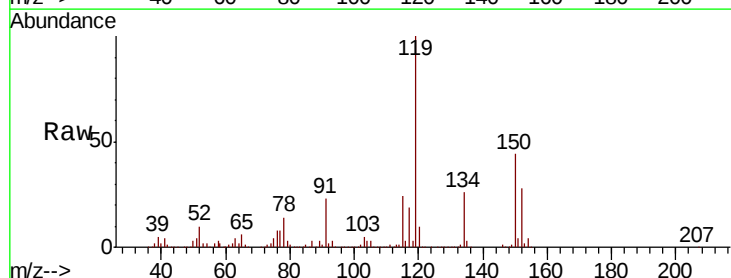
Tgt Ion:119 Resp: 973514

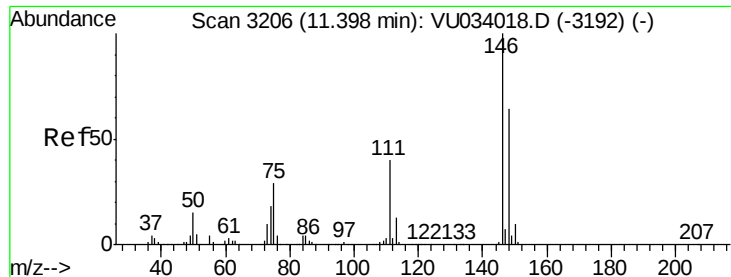
Ion Ratio Lower Upper

119 100

134 26.2 13.1 39.1

91 22.8 11.2 33.6

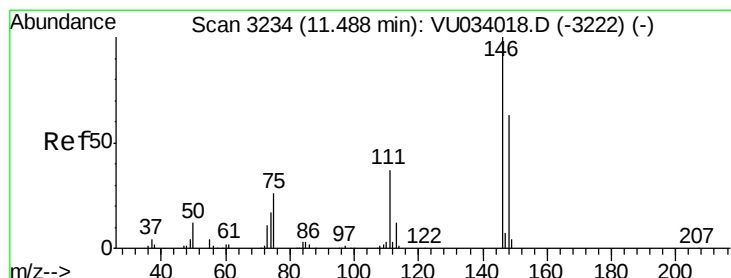
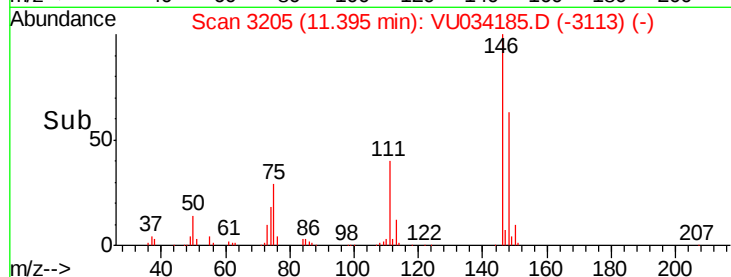
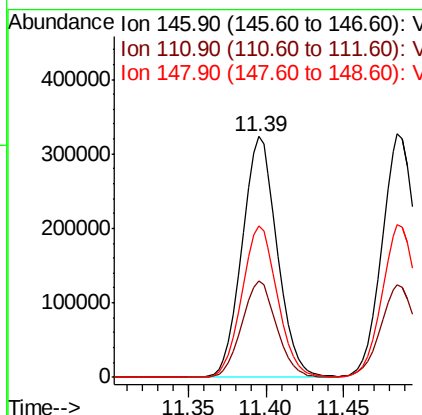
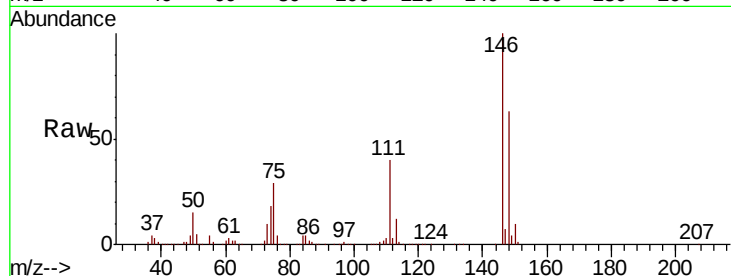




#87
 1,3-Dichlorobenzene
 Concen: 46.937 ug/l
 RT: 11.39 min Scan# 3205
 Delta R.T. -0.00 min
 Lab File: VU034185.D
 Acq: 01 Sep 2019 21:31

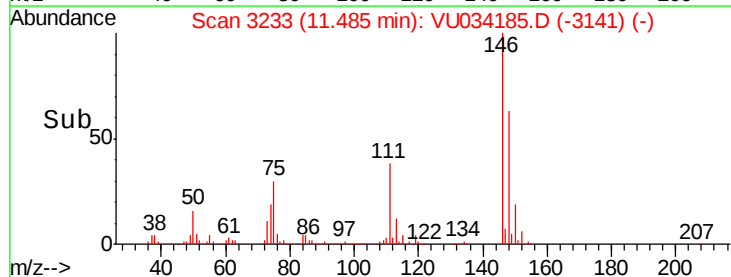
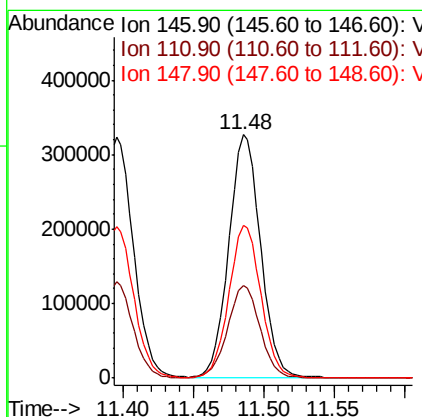
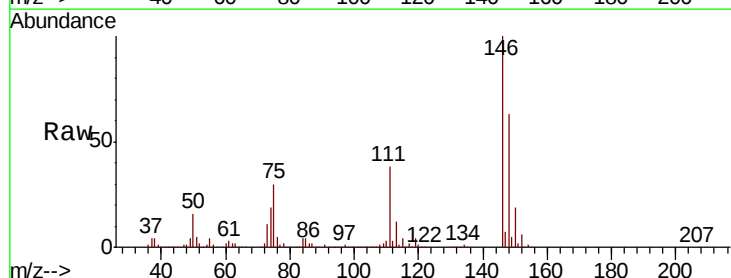
Instrument :
 MSVOA_U
 ClientSampleId :

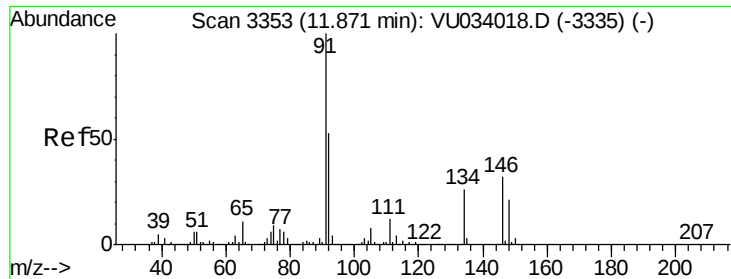
Tot Ion	Ratio	Lower	Upper
146	100		
111	39.6	19.9	59.6
148	63.5	31.9	95.5



#88
 1,4-Dichlorobenzene
 Concen: 46.702 ug/l
 RT: 11.48 min Scan# 3233
 Delta R.T. -0.00 min
 Lab File: VU034185.D
 Acq: 01 Sep 2019 21:31

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.9	19.2	57.6
148	63.6	31.9	95.9

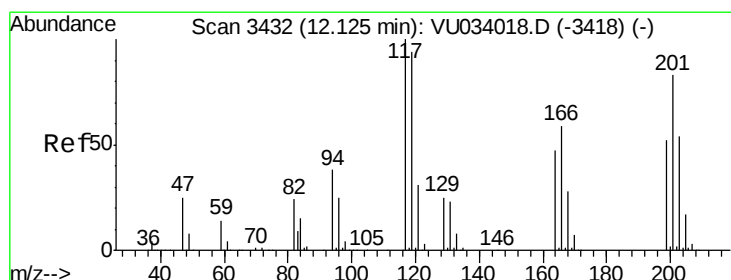
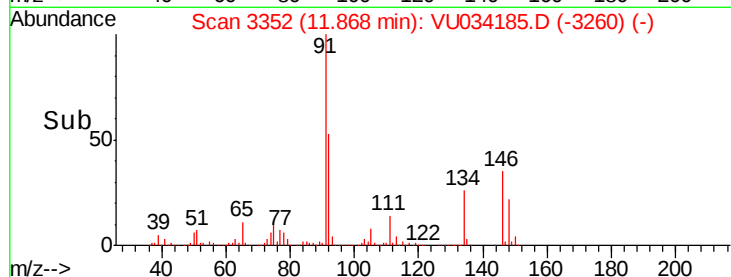
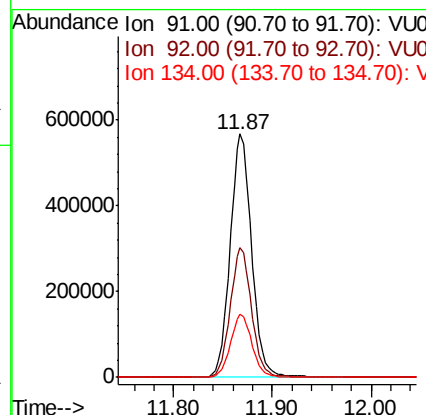
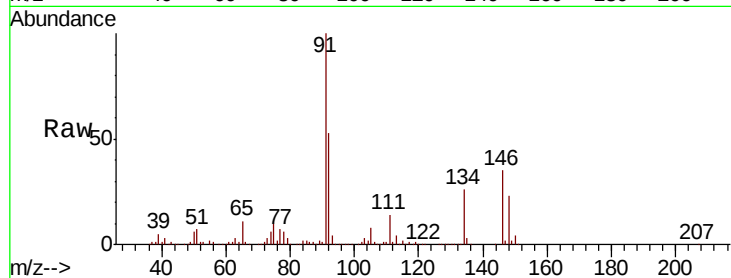




#89
n-Butylbenzene
Concen: 47.695 ug/l
RT: 11.87 min Scan# 3352
Delta R.T. -0.00 min
Lab File: VU034185.D
Acq: 01 Sep 2019 21:31

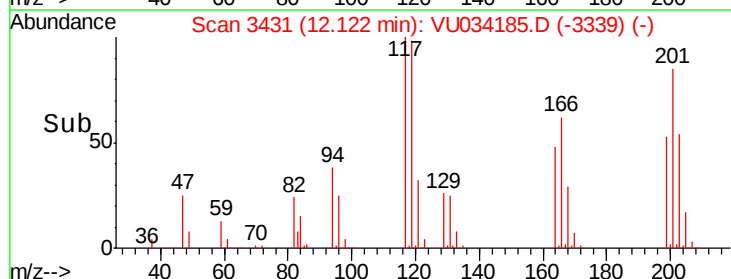
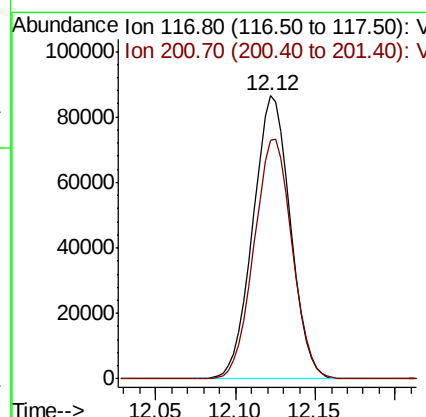
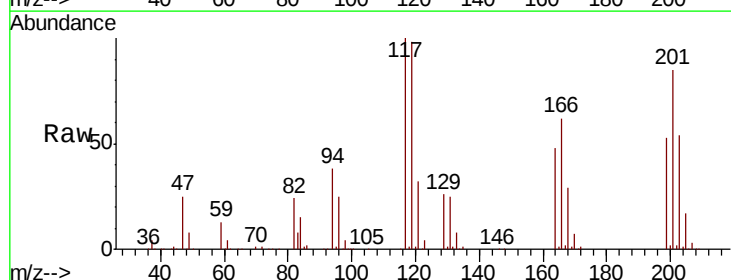
Instrument :
MSVOA_U
ClientSampleId :

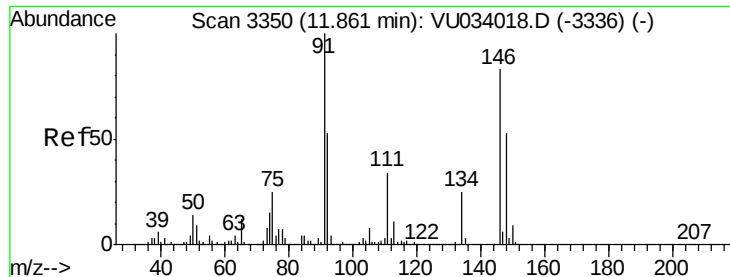
Tot Ion: 91 Resp: 867735
Ion Ratio Lower Upper
91 100
92 52.9 26.3 78.9
134 25.9 12.9 38.7



#90
Hexachloroethane
Concen: 38.774 ug/l
RT: 12.12 min Scan# 3431
Delta R.T. -0.00 min
Lab File: VU034185.D
Acq: 01 Sep 2019 21:31

Tgt Ion: 117 Resp: 138336
Ion Ratio Lower Upper
117 100
201 86.4 42.5 127.6





#91

1,2-Dichlorobenzene

Concen: 48.002 ug/l

RT: 11.86 min Scan# 3349

Delta R.T. -0.00 min

Lab File: VU034185.D

Acq: 01 Sep 2019 21:31

Instrument :

MSVOA_U

ClientSampleId :

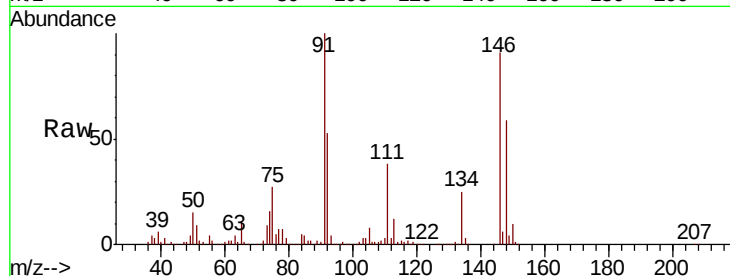
Tot Ion:146 Resp: 499630

Ion Ratio Lower Upper

146 100

111 40.9 20.4 61.2

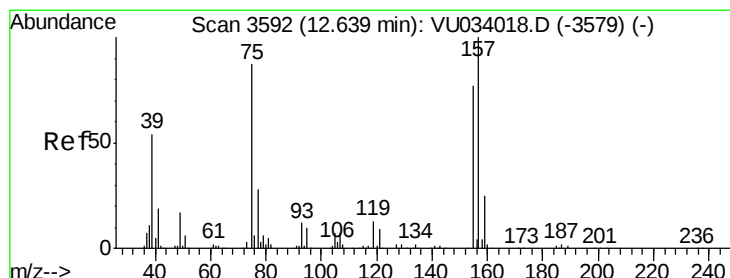
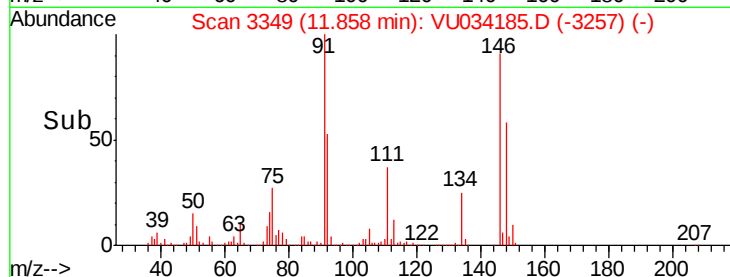
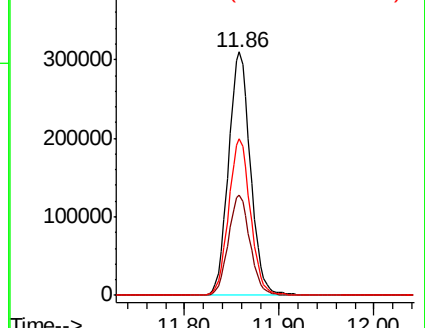
148 63.9 32.3 96.8



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 44.608 ug/l

RT: 12.64 min Scan# 3591

Delta R.T. -0.00 min

Lab File: VU034185.D

Acq: 01 Sep 2019 21:31

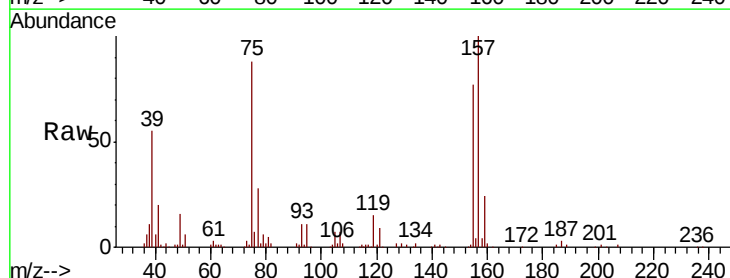
Tgt Ion: 75 Resp: 77607

Ion Ratio Lower Upper

75 100

155 88.3 43.5 130.7

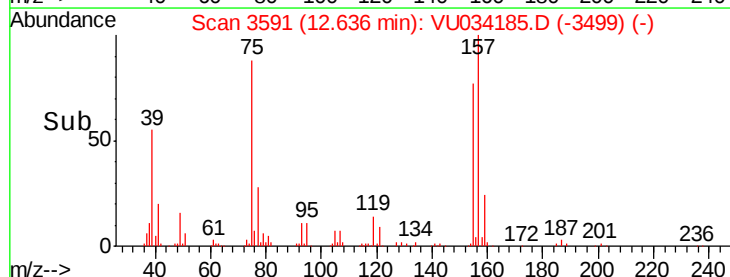
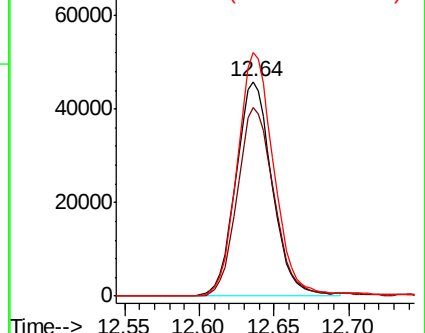
157 115.2 56.9 170.6

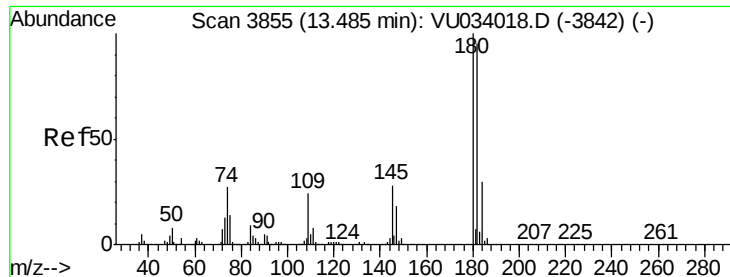


Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

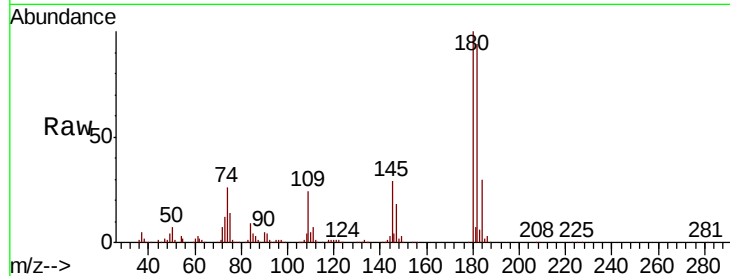




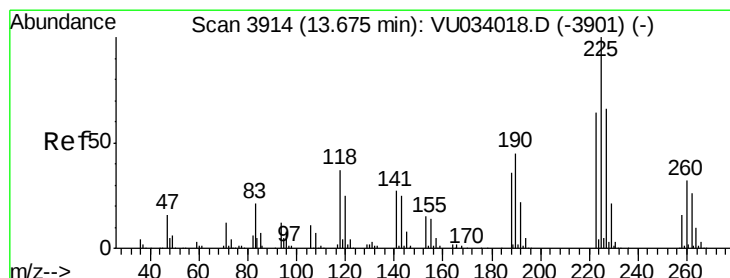
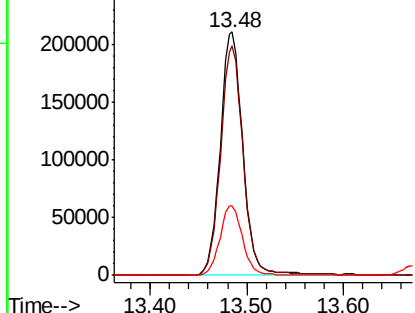
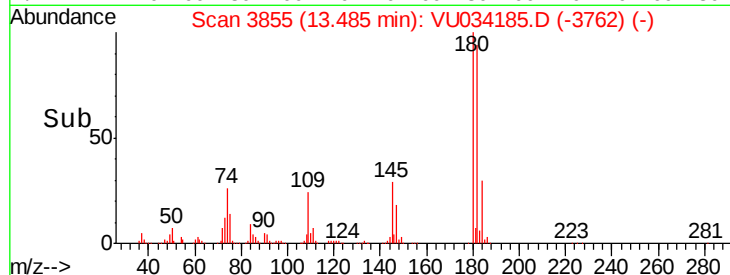
#93
 1,2,4-Trichlorobenzene
 Concen: 46.440 ug/l
 RT: 13.48 min Scan# 3855
 Delta R.T. -0.00 min
 Lab File: VU034185.D
 Acq: 01 Sep 2019 21:31

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	94.1	47.4	142.2
145	28.4	14.1	42.3

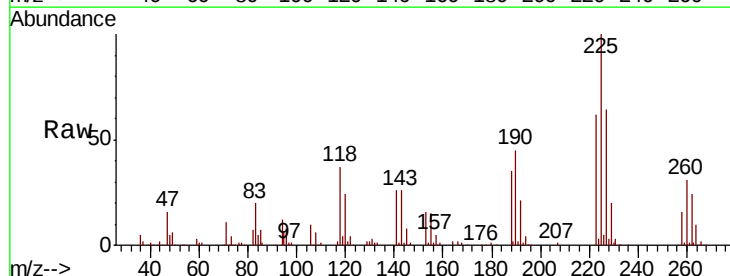


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

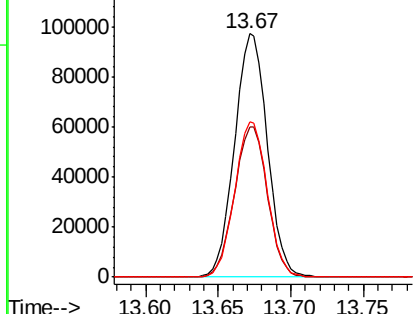
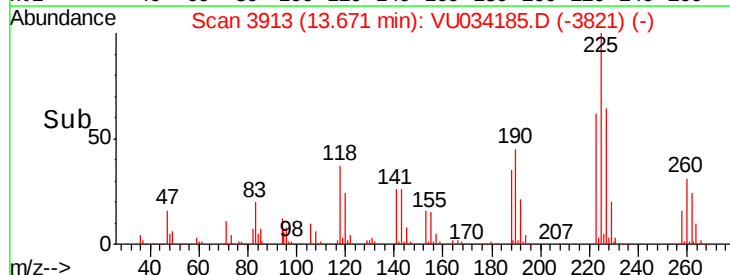


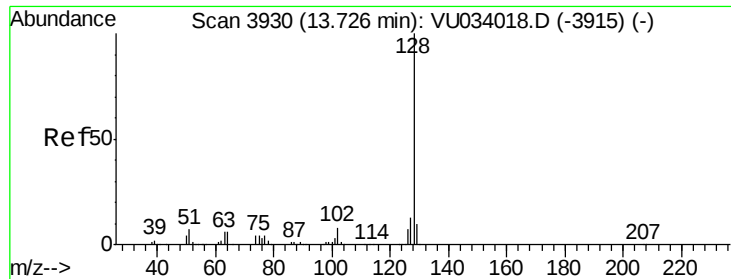
#94
 Hexachlorobutadiene
 Concen: 37.385 ug/l
 RT: 13.67 min Scan# 3913
 Delta R.T. -0.00 min
 Lab File: VU034185.D
 Acq: 01 Sep 2019 21:31

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.2	31.8	95.3
227	63.5	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

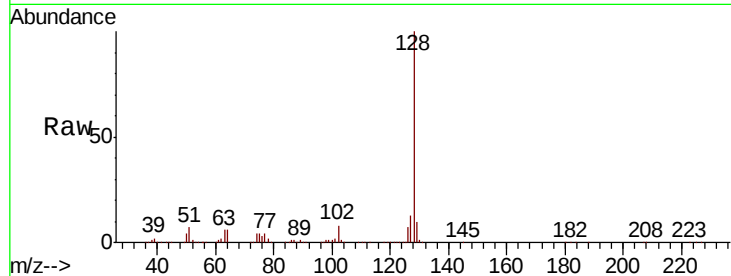




#95
Naphthalene
Concen: 46.739 ug/l
RT: 13.72 min Scan# 3929
Delta R.T. -0.00 min
Lab File: VU034185.D
Acq: 01 Sep 2019 21:31

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.0	10.2	15.4
129	10.5	8.4	12.6

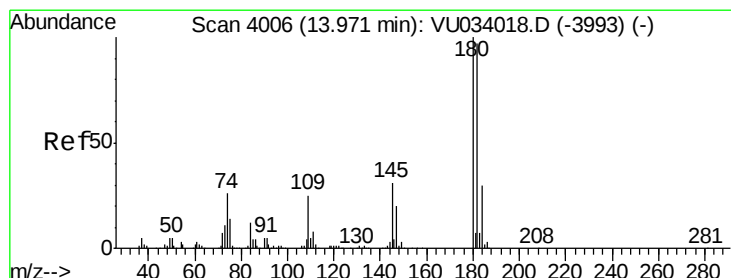
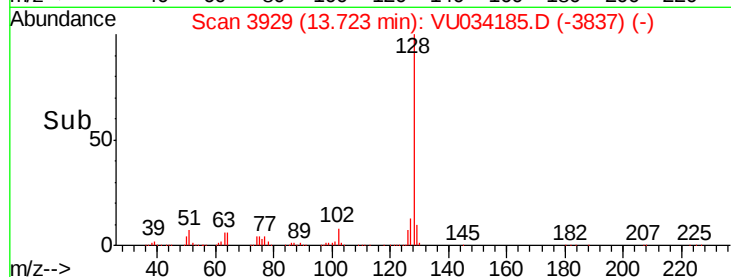
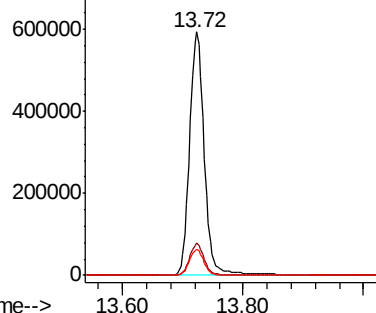


Abundance

Ion 128.00 (127.70 to 128.70): V

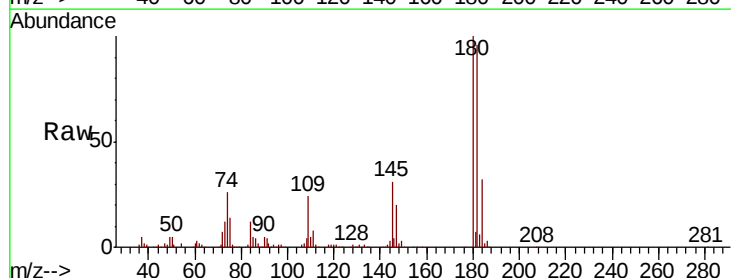
Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96
1,2,3-Trichlorobenzene
Concen: 50.678 ug/l
RT: 13.97 min Scan# 4005
Delta R.T. -0.00 min
Lab File: VU034185.D
Acq: 01 Sep 2019 21:31

Tgt Ion	Ratio	Lower	Upper
180	100		
182	97.0	48.2	144.6
145	30.7	15.5	46.5



Abundance

Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

