

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U103019\
 Data File : VU035553.D
 Acq On : 30 Oct 2019 11:28
 Operator : JC/SP
 Sample : VU1030WBSD01
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Oct 31 01:13:25 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA U\METHOD\524U102919DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Wed Oct 30 07:13:39 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
-----	-----	-----	-----	-----	-----	-----
1) Fluorobenzene	6.16	96	67498	1.00	ug/l	0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.67	95	24119	0.99	ug/l	0.00
Spiked Amount 1.000			Recovery	=	99.00%	
68) 1,2-Dichlorobenzene-d4	12.22	152	24198	0.94	ug/l	0.00
Spiked Amount 1.000			Recovery	=	94.00%	
Target Compounds						
					Ovalue	
2) Dichlorodifluoromethane	1.40	85	51343	1.942	ug/l	99
3) Chloromethane	1.54	50	61240	1.891	ug/l	96
4) Vinyl Chloride	1.62	62	54909	1.913	ug/l	99
5) Bromomethane	1.88	94	27259	1.868	ug/l	98
6) Chloroethane	1.96	64	34101	2.067	ug/l	99
7) Trichlorofluoromethane	2.16	101	69178	1.950	ug/l	99
8) 1,1,2-Trichloro-1,2,2-trif	2.61	101	38545	2.005	ug/l	99
9) 1,1-Dichloroethene	2.61	96	35432	1.910	ug/l	98
10) Iodomethane	2.76	142	14816	1.844	ug/l	100
11) Allyl Chloride	2.96	41	57364	1.841	ug/l	96
12) Acrylonitrile	3.37	53	16414	3.525	ug/l	96
13) Acetone	2.67	43	40148	8.883	ug/l	98
14) Carbon Disulfide	2.83	76	126722	1.932	ug/l	100
15) Methylene Chloride	3.09	84	45491	1.907	ug/l	95
16) trans-1,2-Dichloroethene	3.39	96	39866	1.954	ug/l	95
17) 1,1-Dichloroethane	3.92	63	73325	1.919	ug/l	98
18) 2-Butanone	4.79	43	47561	8.120	ug/l	96
19) Cyclohexane	5.43	56	46608	1.539	ug/l	97
20) Methylcyclohexane	6.80	83	51888	1.670	ug/l	96
21) 2,2-Dichloropropane	4.71	77	60494	1.834	ug/l	97
22) cis-1,2-Dichloroethene	4.72	96	41484	1.900	ug/l	98
23) Diethyl Ether	2.41	59	28517	1.864	ug/l	96
24) tert-Butyl Alcohol	3.26	59	48617	28.517	ug/l	95
25) Methyl tert-Butyl Ether	3.43	73	96721	1.945	ug/l	98
26) Bromochloromethane	5.03	128	20119	2.064	ug/l	96
27) Chloroform	5.14	83	78598	1.925	ug/l	100
28) 1,1,1-Trichloroethane	5.36	97	62982	1.947	ug/l	99
29) 1,1-Dichloropropene	5.57	75	47898	1.766	ug/l	98
30) Carbon Tetrachloride	5.57	117	55195	1.918	ug/l	99
31) Isopropyl Ether	4.07	45	95856	1.796	ug/l	92
32) Ethyl-t-butyl ether	4.57	59	85686	1.734	ug/l	98
33) Tert-Amyl methyl ether	6.01	73	76480	1.800	ug/l	100
34) Propionitrile	4.85	54	15390	9.071	ug/l #	92
35) Benzene	5.82	78	158788	1.918	ug/l	97
36) 1,2-Dichloroethane	5.84	62	46025	1.941	ug/l	98
37) Trichloroethene	6.58	130	43971	1.912	ug/l	100
38) 1,2-Dichloropropane	6.83	63	42309	1.864	ug/l	96
39) Methacrylonitrile	5.04	41	10807	1.696	ug/l	96
40) Methyl acrylate	4.92	55	15467	1.595	ug/l #	96
41) Tetrahydrofuran	5.14	42	12215	3.730	ug/l #	42
42) 1-Chlorobutane	5.50	56	65510	1.755	ug/l	99

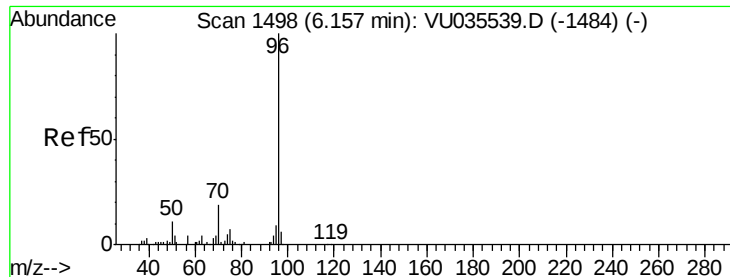
Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU103019\
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 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Wed Oct 30 07:13:39 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Dibromomethane	6.96	93	21188	1.869	ug/l	91
44) Bromodichloromethane	7.15	83	55185	1.953	ug/l	99
45) 4-Methyl-2-Pentanone	7.85	43	106896	8.841	ug/l	97
46) t-1,4-Dichloro-2-butene	10.86	75	47905	10.901	ug/l #	55
47) Methyl methacrylate	7.01	69	34160	3.638	ug/l	96
48) Ethyl methacrylate	8.38	69	28519	1.738	ug/l	97
49) Toluene	8.01	92	89627	1.883	ug/l	98
50) t-1,3-Dichloropropene	8.25	75	46611	1.863	ug/l	99
51) cis-1,3-Dichloropropene	7.65	75	52409	1.766	ug/l	99
52) 1,1,2-Trichloroethane	8.44	97	31769	1.999	ug/l	95
53) 1,3-Dichloropropane	8.61	76	52362	1.944	ug/l	99
54) 2-Hexanone	8.75	43	69657	8.107	ug/l	94
55) Dibromochloromethane	8.84	129	39589	2.041	ug/l	93
56) 1,2-Dibromoethane	8.96	107	28666	1.972	ug/l	91
58) Tetrachloroethene	8.58	164	41761	1.981	ug/l	98
59) Chlorobenzene	9.48	112	105042	1.914	ug/l	98
60) 1,1,1,2-Tetrachloroethane	9.56	131	43202	2.047	ug/l	98
61) Pentachloroethane	11.46	117	33489	1.947	ug/l	98
62) Hexachloroethane	12.50	117	29391	1.871	ug/l	100
63) Ethyl Benzene	9.60	91	149778	1.757	ug/l	99
64) m/p-Xylenes	9.73	106	115149	3.421	ug/l #	1
65) o-Xylene	10.13	106	59737	1.837	ug/l	98
66) Styrene	10.15	104	95040	1.765	ug/l	98
67) Bromoform	10.32	173	23423	1.946	ug/l	99
69) Isopropylbenzene	10.51	105	149333	1.761	ug/l	99
70) 1,1,2,2-Tetrachloroethane	10.81	83	42050	1.985	ug/l #	67
71) 1,2,3-Trichloropropane	10.86	75	47905	3.011	ug/l #	62
72) Bromobenzene	10.82	156	45285	1.917	ug/l	86
73) n-propylbenzene	10.94	120	39748	1.678	ug/l	98
74) 2-Chlorotoluene	11.01	126	40620	1.829	ug/l	97
75) 1,3,5-Trimethylbenzene	11.12	105	116892	1.673	ug/l	100
76) 4-Chlorotoluene	11.13	126	39712	1.761	ug/l	96
77) tert-Butylbenzene	11.45	119	125895	1.757	ug/l	100
78) 1,2,4-Trimethylbenzene	11.50	105	111821	1.581	ug/l	100
79) sec-Butylbenzene	11.67	105	151118	1.648	ug/l	99
80) Nitrobenzene	13.24	77	2814	3.963	ug/l #	91
81) p-Isopropyltoluene	11.82	119	111635	1.522	ug/l #	69
82) 1,3-Dichlorobenzene	11.78	146	81987	1.822	ug/l	98
83) 1,4-Dichlorobenzene	11.87	146	78361	1.816	ug/l	99
84) n-Butylbenzene	12.24	91	85000	1.412	ug/l	98
85) 1,2-Dichlorobenzene	12.24	146	75786	1.788	ug/l	100
86) 1,2-Dibromo-3-Chloropropan	13.02	75	4733	1.754	ug/l	99
87) 1,2,4-Trichlorobenzene	13.87	180	24228	1.762	ug/l	95
88) Hexachlorobutadiene	14.04	225	27138	1.719	ug/l	96
89) Naphthalene	14.11	128	28076	1.679	ug/l	96
90) 1,2,3-Trichlorobenzene	14.36	180	25875	1.767	ug/l	98

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



#1

Fluorobenzene

Concen: 1.000 ug/l

RT: 6.16 min Scan# 1499

Delta R.T. 0.00 min

Lab File: VU035553.D

Acq: 30 Oct 2019 11:28

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 96 Resp: 67498

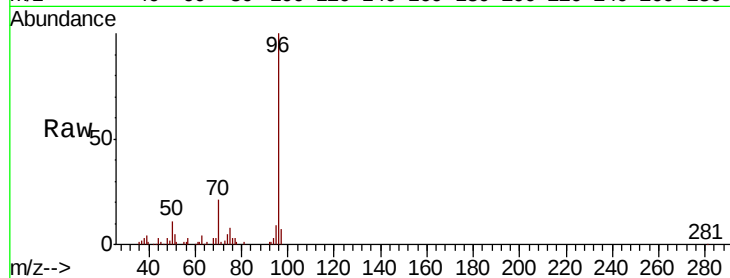
Ion Ratio Lower Upper

96 100

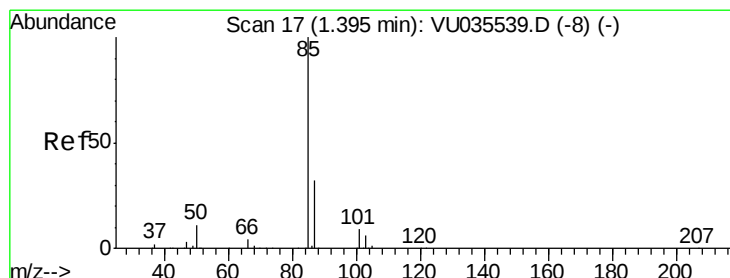
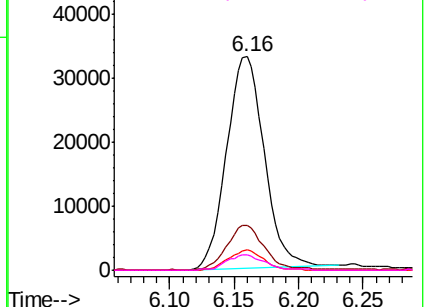
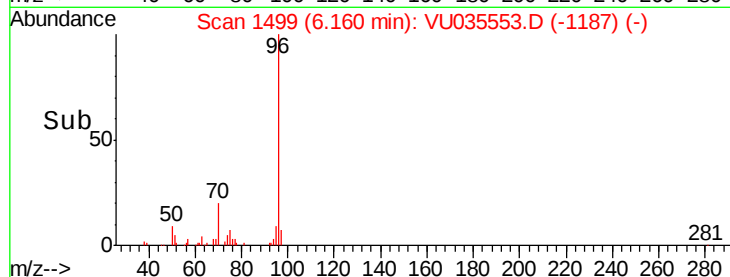
70 20.4 15.8 23.8

95 9.0 7.4 11.2

97 7.2 0.0 0.0#



Abundance Ion 96.00 (95.70 to 96.70): VU0
Ion 70.00 (69.70 to 70.70): VU0
Ion 95.00 (94.70 to 95.70): VU0
Ion 97.00 (96.70 to 97.70): VU0



#2

Dichlorodifluoromethane

Concen: 1.942 ug/l

RT: 1.40 min Scan# 18

Delta R.T. 0.00 min

Lab File: VU035553.D

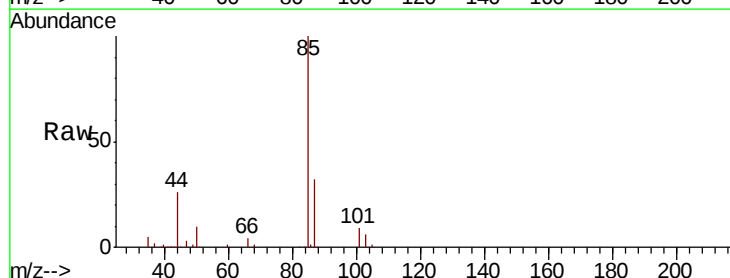
Acq: 30 Oct 2019 11:28

Tgt Ion: 85 Resp: 51343

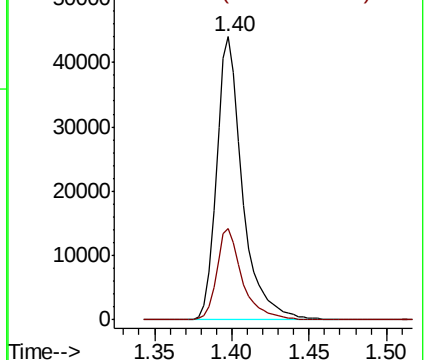
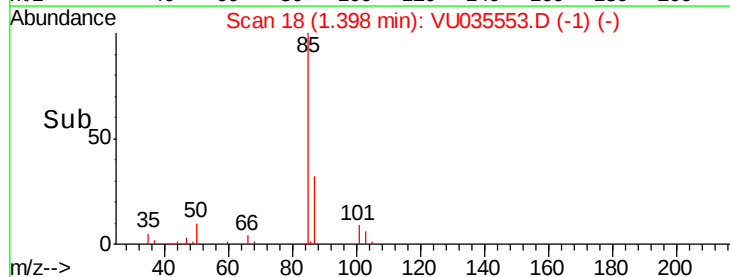
Ion Ratio Lower Upper

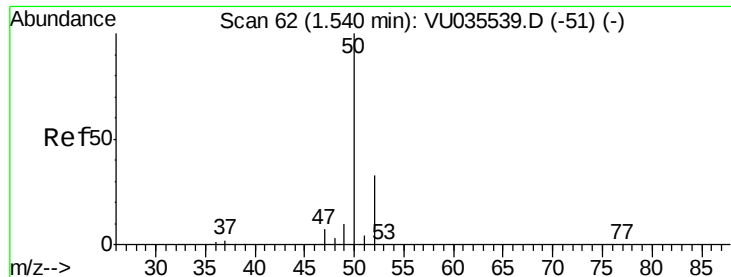
85 100

87 32.4 15.8 47.4



Abundance Ion 85.00 (84.70 to 85.70): VU0
Ion 87.00 (86.70 to 87.70): VU0





#3

Chloromethane

Concen: 1.891 ug/l

RT: 1.54 min Scan# 62

Delta R.T. -0.00 min

Lab File: VU035553.D

Acq: 30 Oct 2019 11:28

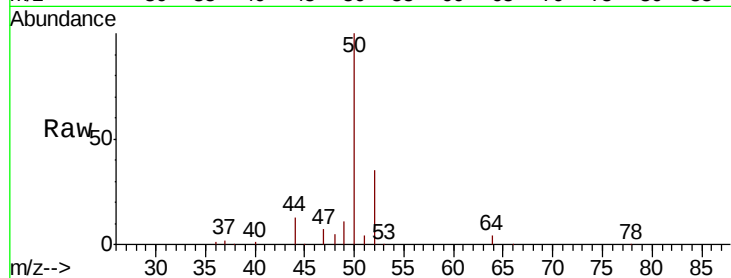
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 50 Resp: 61240

Ion Ratio Lower Upper

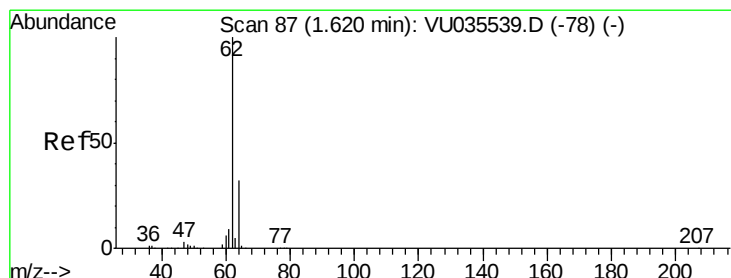
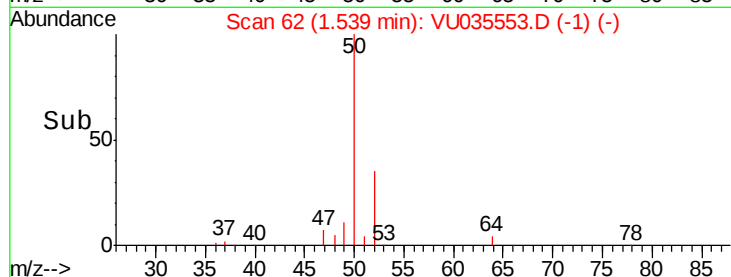
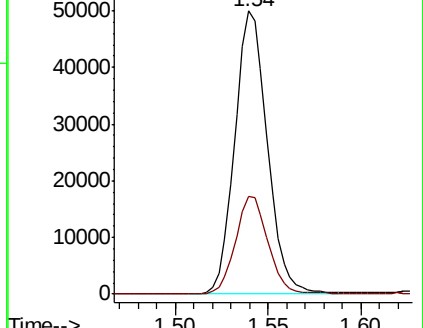
50 100

52 34.7 26.0 39.0



Abundance Ion 50.00 (49.70 to 50.70): VU035539.D (-51) (-)

Ion 52.00 (51.70 to 52.70): VU035539.D (-51) (-)



#4

Vinyl Chloride

Concen: 1.913 ug/l

RT: 1.62 min Scan# 88

Delta R.T. 0.00 min

Lab File: VU035553.D

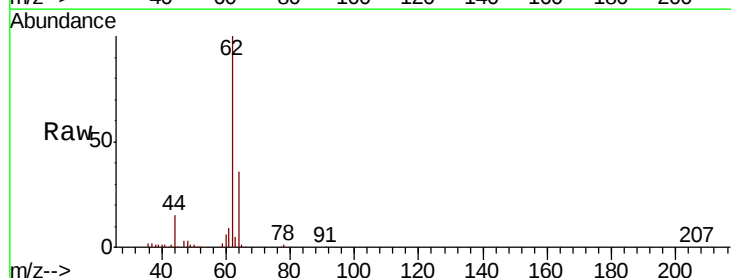
Acq: 30 Oct 2019 11:28

Tgt Ion: 62 Resp: 54909

Ion Ratio Lower Upper

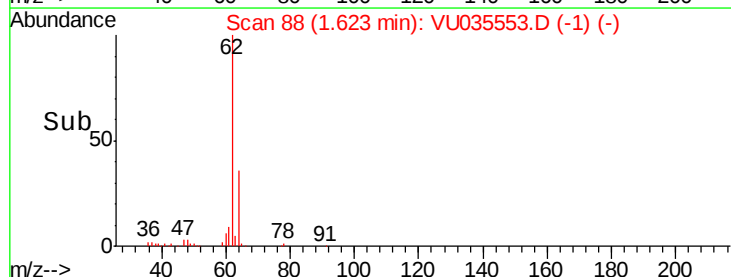
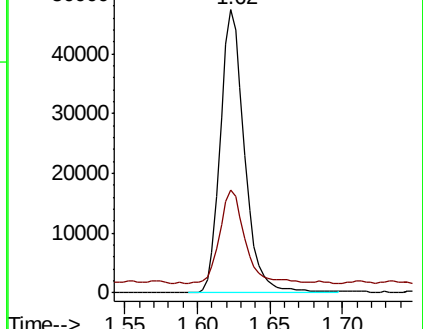
62 100

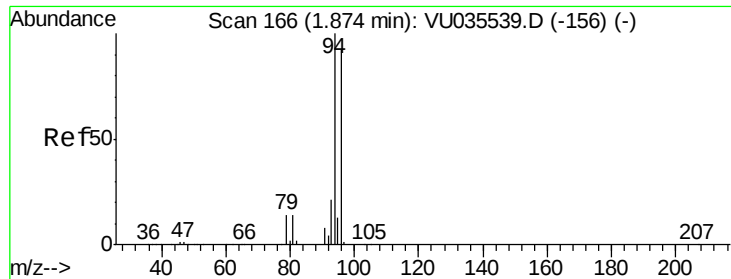
64 32.8 25.6 38.4



Abundance Ion 62.00 (61.70 to 62.70): VU035539.D (-78) (-)

Ion 64.00 (63.70 to 64.70): VU035539.D (-78) (-)





#5

Bromomethane

Concen: 1.868 ug/l

RT: 1.88 min Scan# 167

Delta R.T. 0.00 min

Lab File: VU035553.D

Acq: 30 Oct 2019 11:28

Instrument :

MSVOA_U

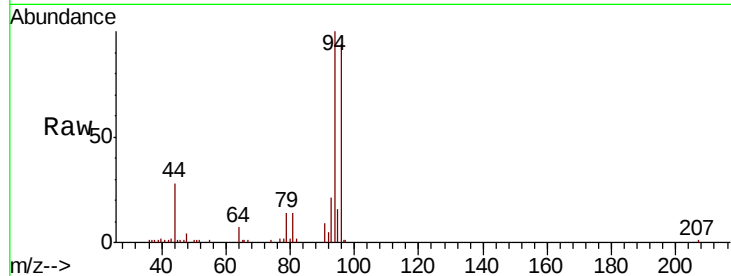
ClientSampleId :

Tot Ion: 94 Resp: 27259

Ion Ratio Lower Upper

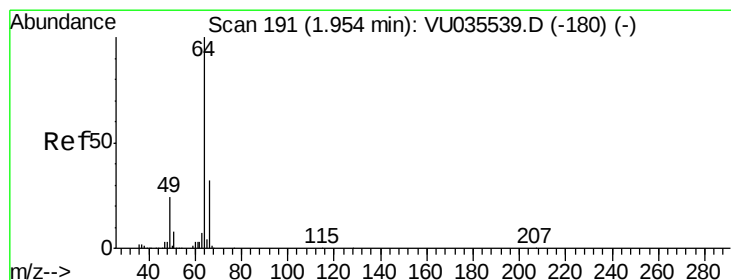
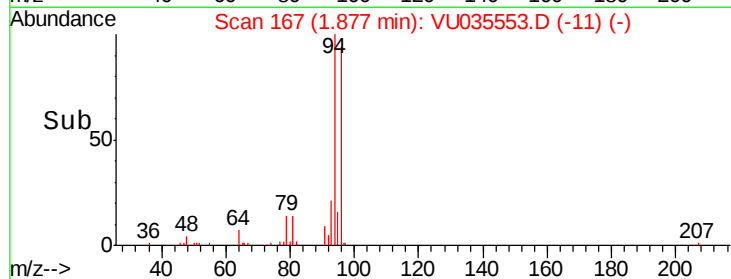
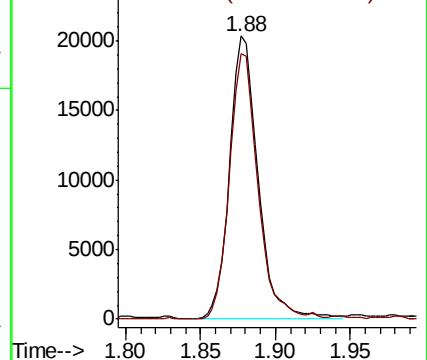
94 100

96 93.8 73.8 110.8



Abundance Ion 94.00 (93.70 to 94.70): VU0

Ion 96.00 (95.70 to 96.70): VU0



#6

Chloroethane

Concen: 2.067 ug/l

RT: 1.96 min Scan# 192

Delta R.T. 0.00 min

Lab File: VU035553.D

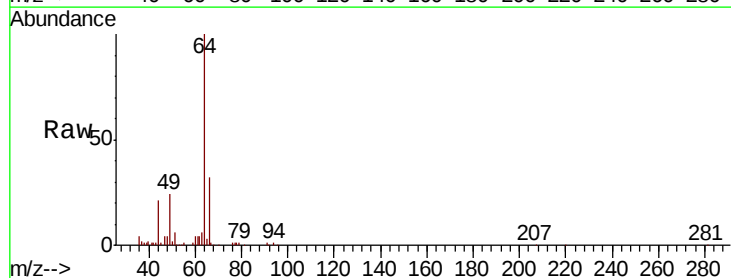
Acq: 30 Oct 2019 11:28

Tgt Ion: 64 Resp: 34101

Ion Ratio Lower Upper

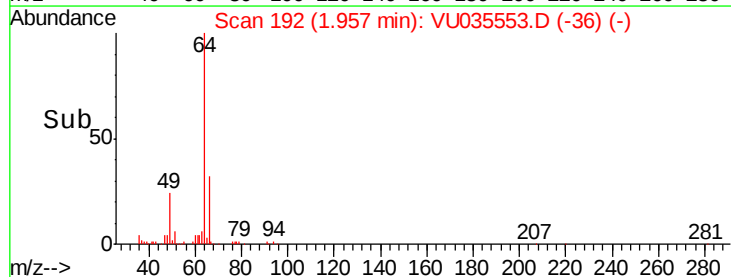
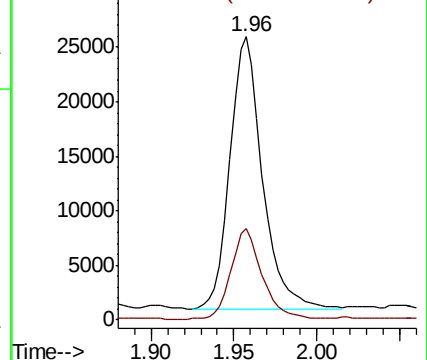
64 100

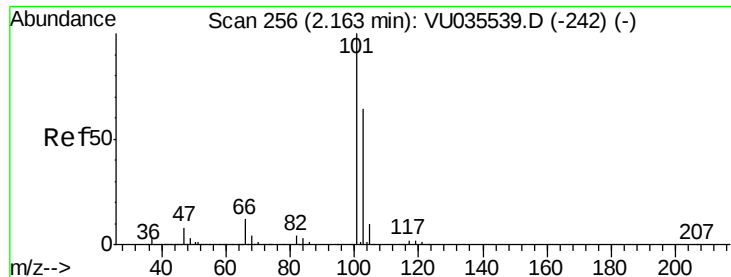
66 33.0 25.9 38.9



Abundance Ion 64.00 (63.70 to 64.70): VU0

Ion 66.00 (65.70 to 66.70): VU0



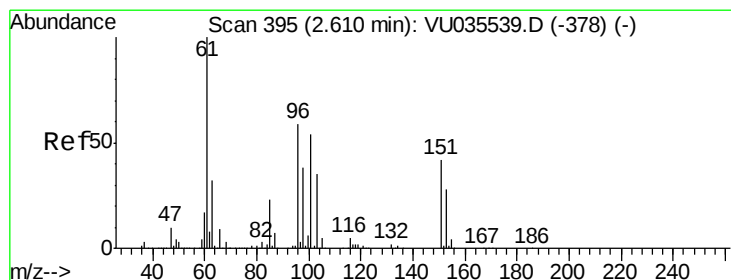
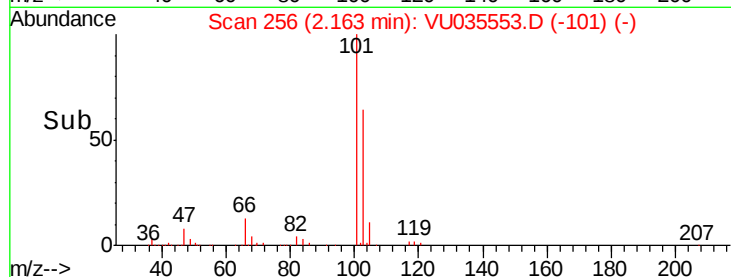
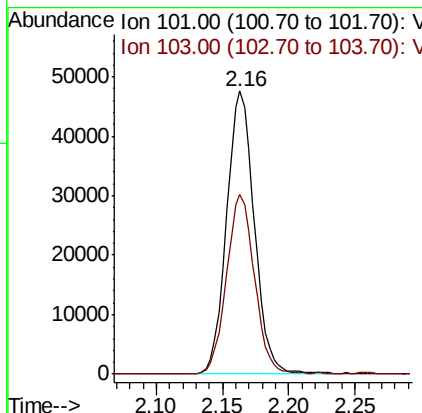
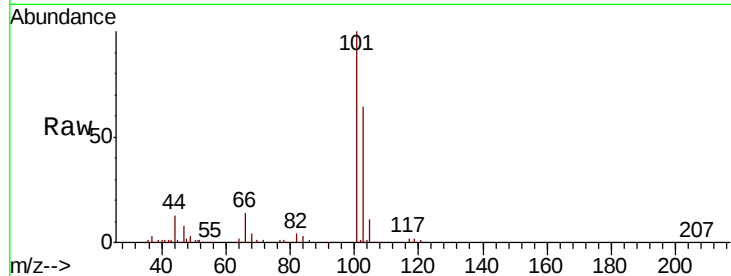


#7

Trichlorofluoromethane
Concen: 1.950 ug/l
RT: 2.16 min Scan# 256
Delta R.T. -0.00 min
Lab File: VU035553.D
Acq: 30 Oct 2019 11:28

Instrument :
MSVOA_U
ClientSampled :

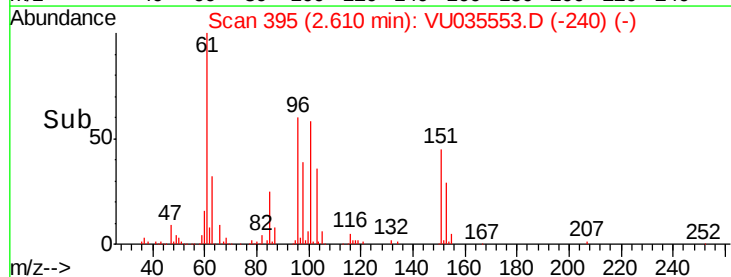
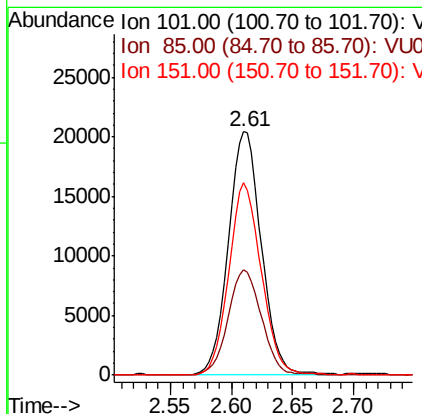
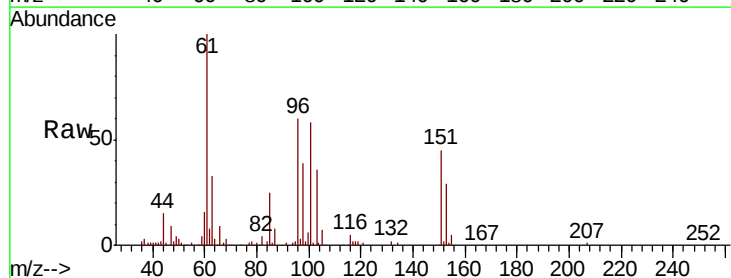
Tot Ion:101 Resp: 69178
Ion Ratio Lower Upper
101 100
103 63.4 51.0 76.6

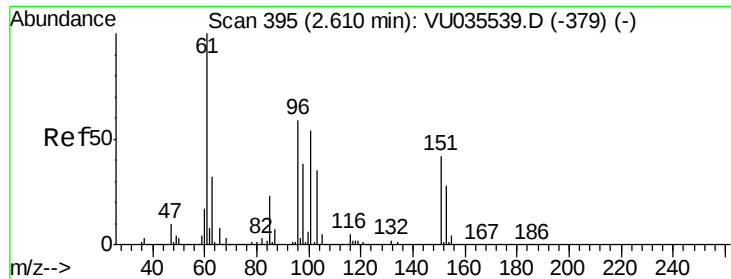


#8

1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 2.005 ug/l
RT: 2.61 min Scan# 395
Delta R.T. -0.00 min
Lab File: VU035553.D
Acq: 30 Oct 2019 11:28

Tgt Ion:101 Resp: 38545
Ion Ratio Lower Upper
101 100
85 43.7 35.8 53.6
151 76.2 61.8 92.6

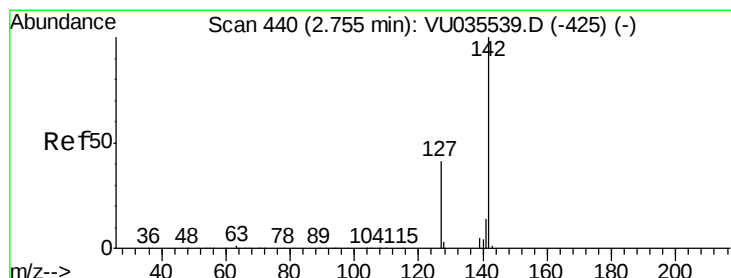
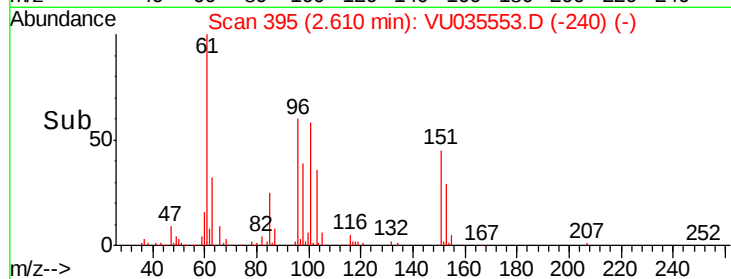
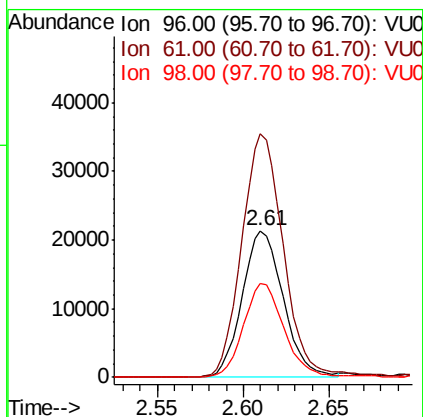
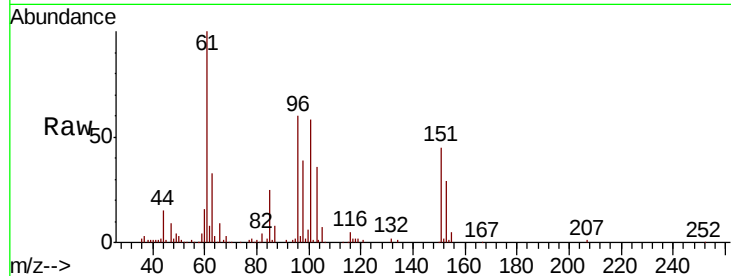




#9
 1,1-Dichloroethene
 Concen: 1.910 ug/l
 RT: 2.61 min Scan# 395
 Delta R.T. -0.00 min
 Lab File: VU035553.D
 Acq: 30 Oct 2019 11:28

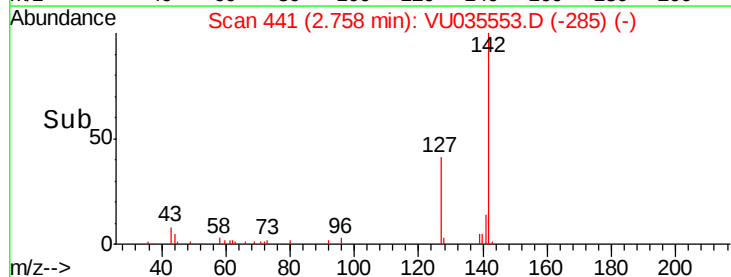
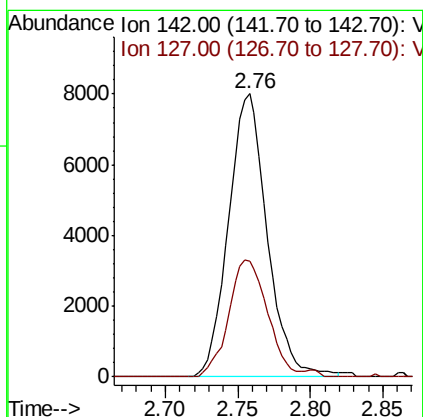
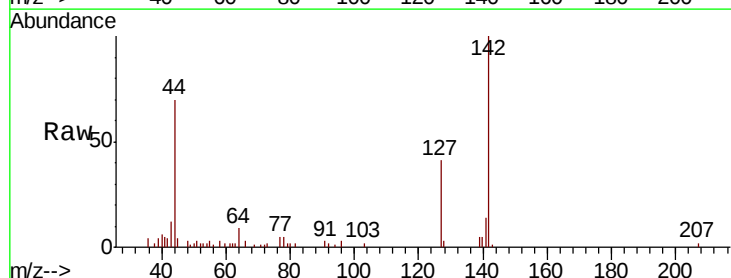
Instrument :
 MSVOA_U
 ClientSampleId :

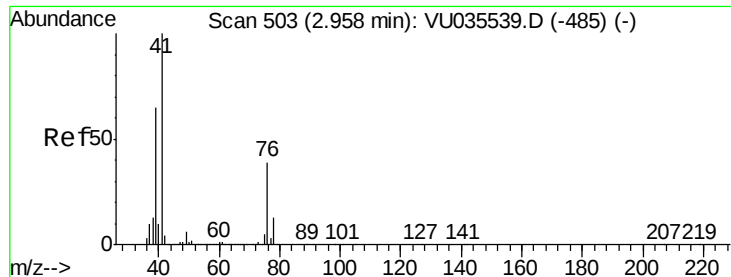
Tot Ion: 96 Resp: 35432
 Ion Ratio Lower Upper
 96 100
 61 165.9 0.0 508.8
 98 64.1 0.0 130.4



#10
 Iodomethane
 Concen: 1.844 ug/l
 RT: 2.76 min Scan# 441
 Delta R.T. 0.00 min
 Lab File: VU035553.D
 Acq: 30 Oct 2019 11:28

Tgt Ion:142 Resp: 14816
 Ion Ratio Lower Upper
 142 100
 127 41.4 33.4 50.0





#11

Allvl Chloride

Concen: 1.841 ug/l

RT: 2.96 min Scan# 504

Delta R.T. 0.00 min

Lab File: VU035553.D

Acq: 30 Oct 2019 11:28

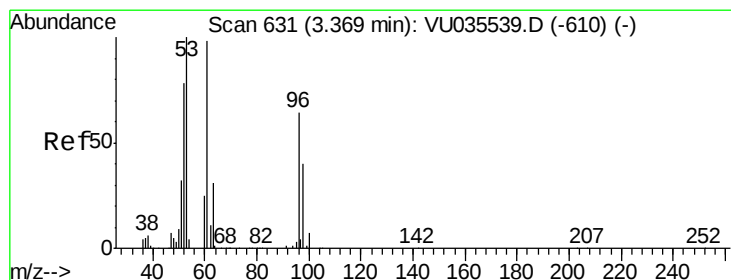
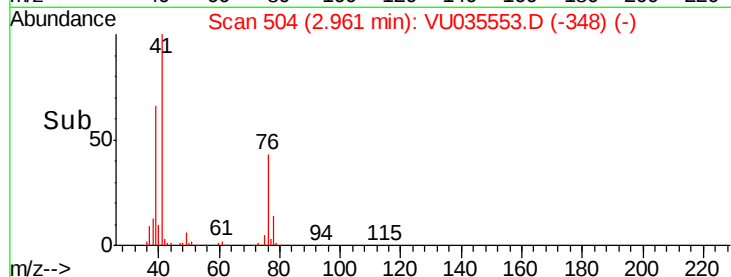
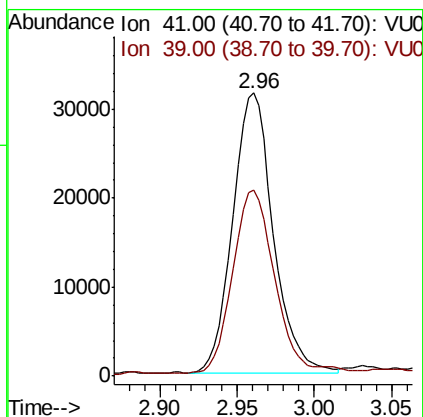
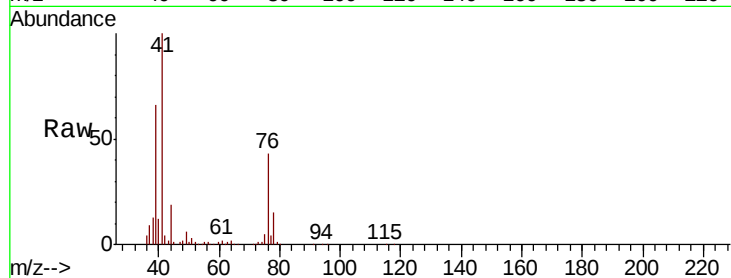
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 41 Resp: 57364

Ion Ratio Lower Upper

41 100

39 68.2 52.0 78.0



#12

Acrylonitrile

Concen: 3.525 ug/l

RT: 3.37 min Scan# 632

Delta R.T. 0.00 min

Lab File: VU035553.D

Acq: 30 Oct 2019 11:28

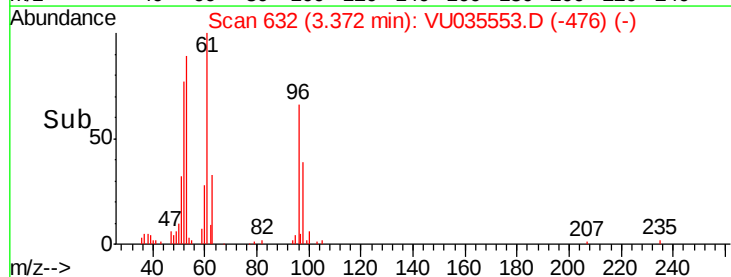
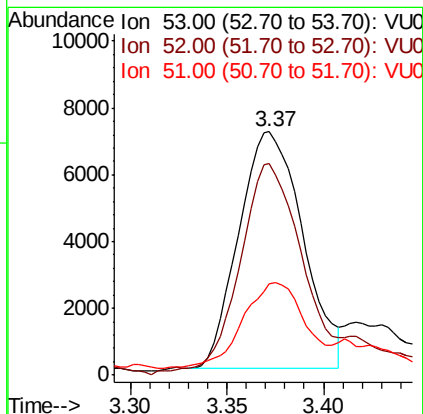
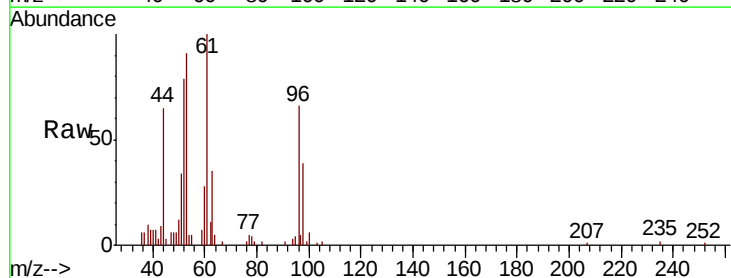
Tgt Ion: 53 Resp: 16414

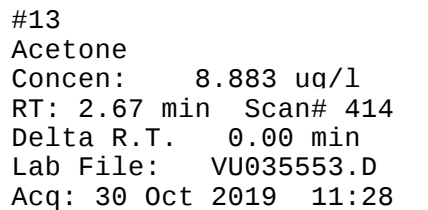
Ion Ratio Lower Upper

53 100

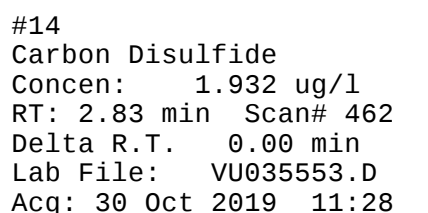
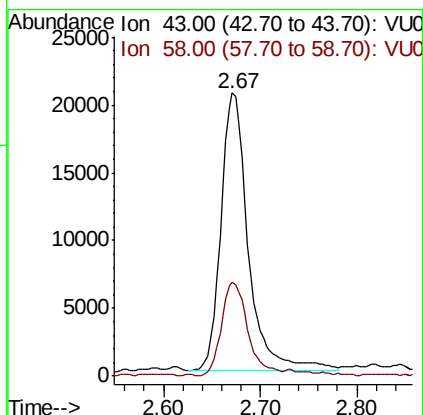
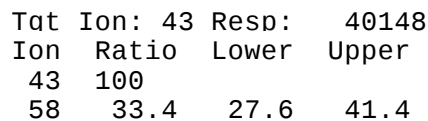
52 88.6 67.4 101.0

51 33.4 27.0 40.4

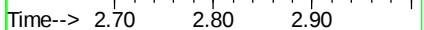
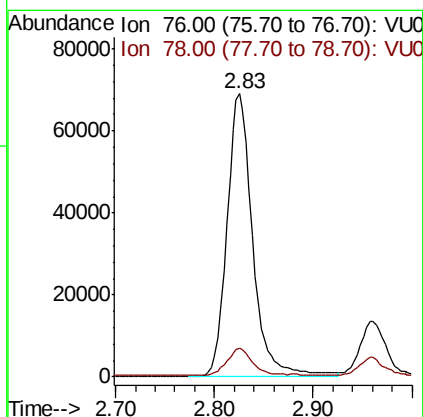


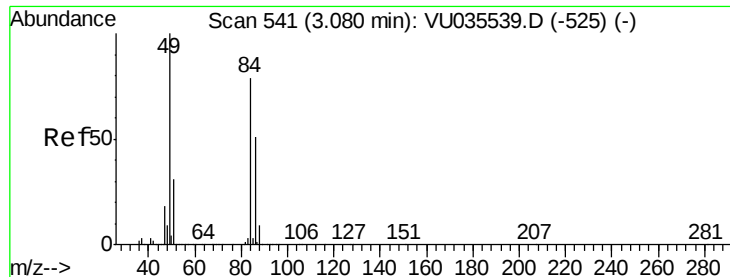


Instrument :
MSVOA_U
ClientSampleId :



Tgt	Ion: 76	Resp:	126722
Ion	Ratio	Lower	Upper
76	100		
78	9.4	7.4	11.2

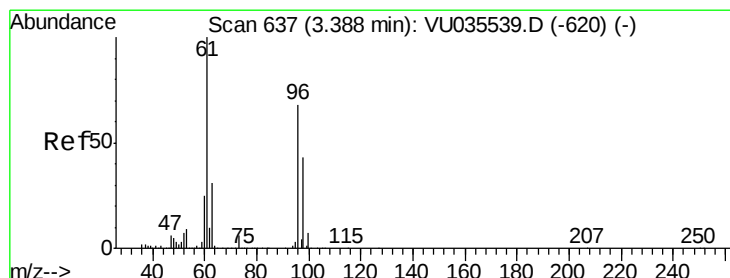
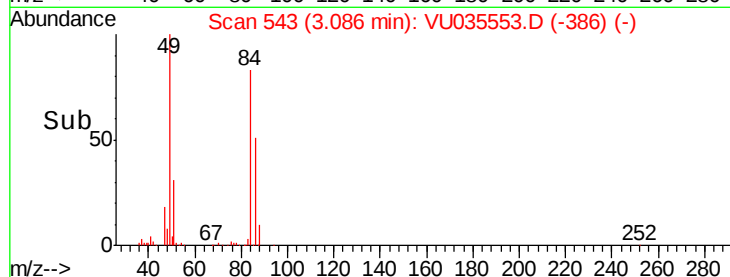
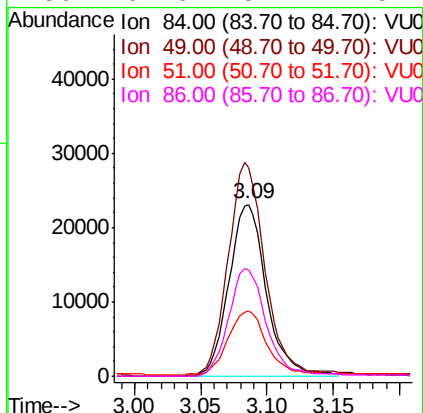
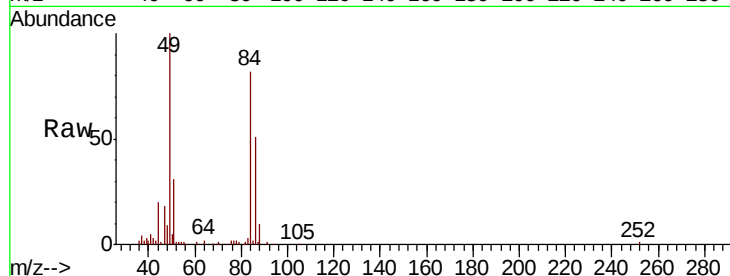




#15
Methvlene Chloride
Concen: 1.907 ug/l
RT: 3.09 min Scan# 543
Delta R.T. 0.01 min
Lab File: VU035553.D
Acq: 30 Oct 2019 11:28

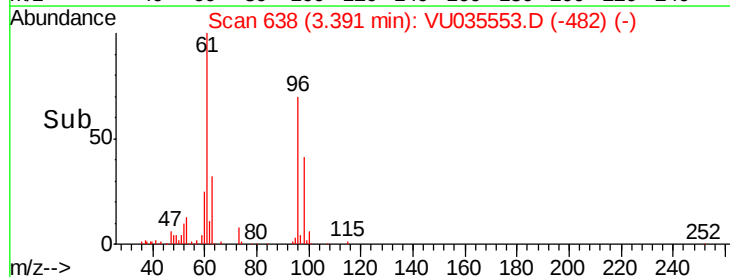
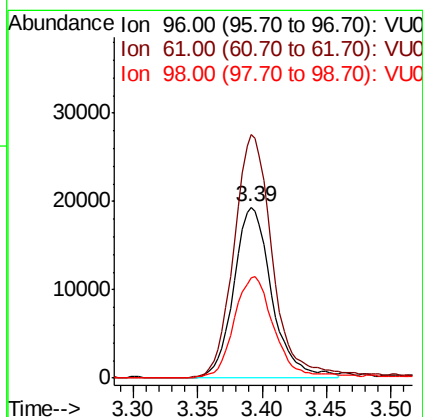
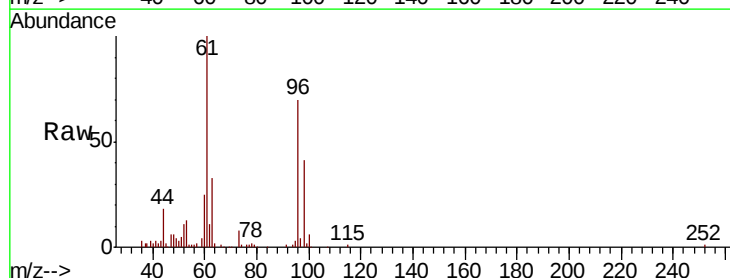
Instrument :
MSVOA_U
ClientSampleId :

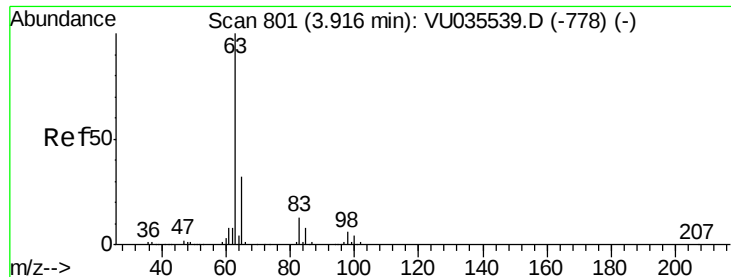
Tot Ion:	84	Resp:	45491
Ion	Ratio	Lower	Upper
84	100		
49	121.0	101.5	152.3
51	37.1	0.0	78.6
86	61.6	52.2	78.2



#16
trans-1,2-Dichloroethene
Concen: 1.954 ug/l
RT: 3.39 min Scan# 638
Delta R.T. 0.00 min
Lab File: VU035553.D
Acq: 30 Oct 2019 11:28

Tgt Ion:	96	Resp:	39866
Ion	Ratio	Lower	Upper
96	100		
61	142.2	117.8	176.8
98	58.2	50.2	75.2





#17

1,1-Dichloroethane

Concen: 1.919 ug/l

RT: 3.92 min Scan# 802

Delta R.T. 0.00 min

Lab File: VU035553.D

Acq: 30 Oct 2019 11:28

Instrument :
MSVOA_U
ClientSampleId :

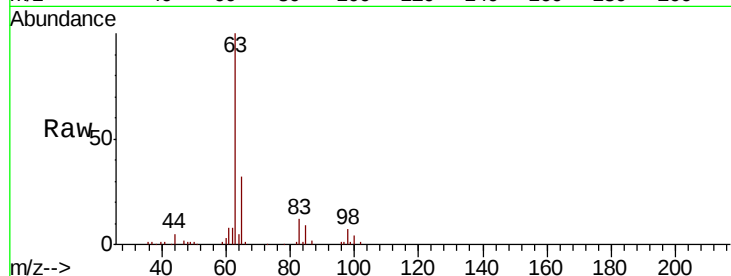
Tot Ion: 63 Resp: 73325

Ion Ratio Lower Upper

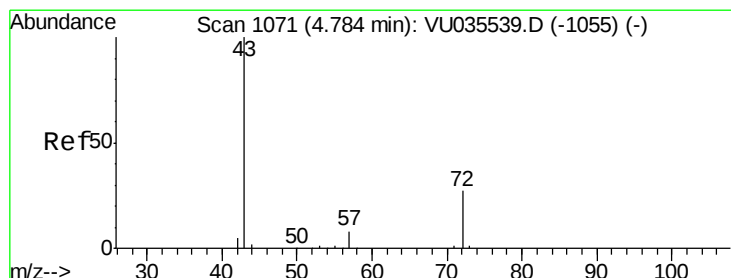
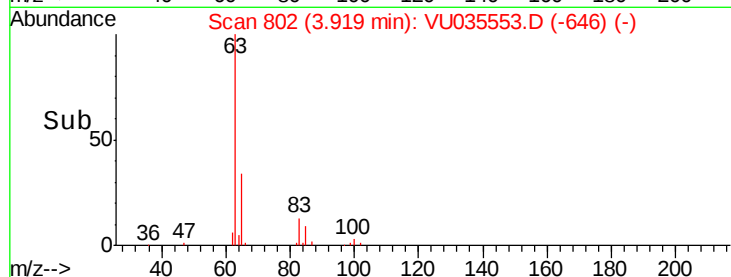
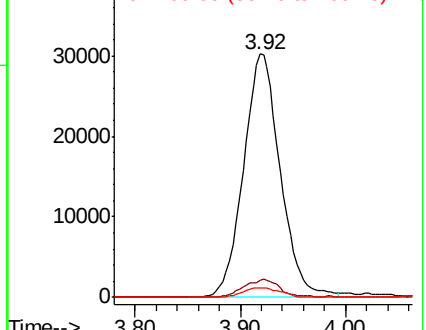
63 100

98 6.9 3.1 9.3

100 3.7 2.1 6.3



Abundance Ion 63.00 (62.70 to 63.70): VU0
Ion 98.00 (97.70 to 98.70): VU0
Ion 100.00 (99.70 to 100.70): VU0



#18

2-Butanone

Concen: 8.120 ug/l

RT: 4.79 min Scan# 1072

Delta R.T. 0.00 min

Lab File: VU035553.D

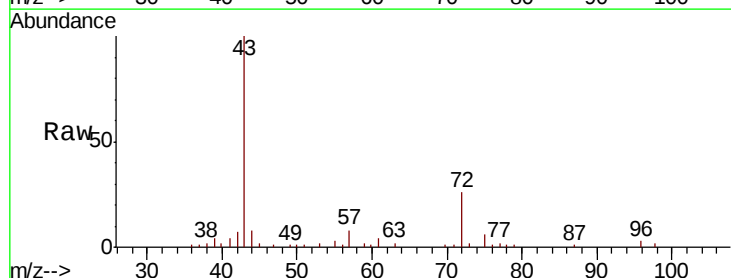
Acq: 30 Oct 2019 11:28

Tgt Ion: 43 Resp: 47561

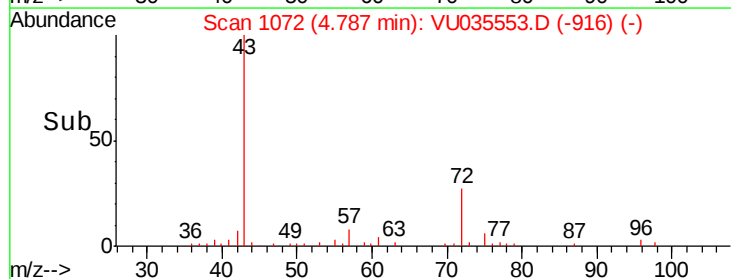
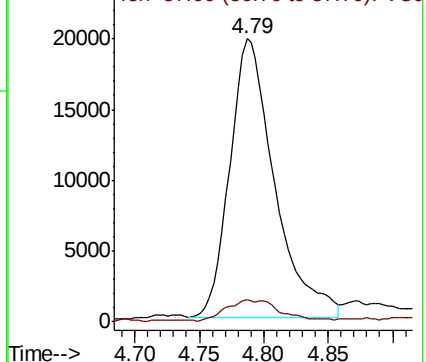
Ion Ratio Lower Upper

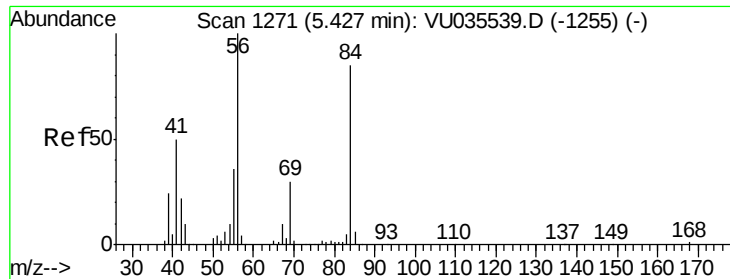
43 100

57 7.1 0.0 17.0



Abundance Ion 43.00 (42.70 to 43.70): VU0
Ion 57.00 (56.70 to 57.70): VU0

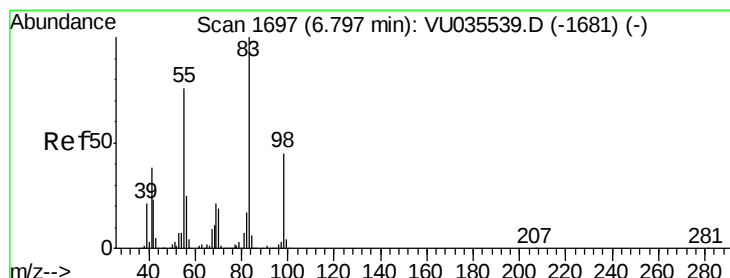
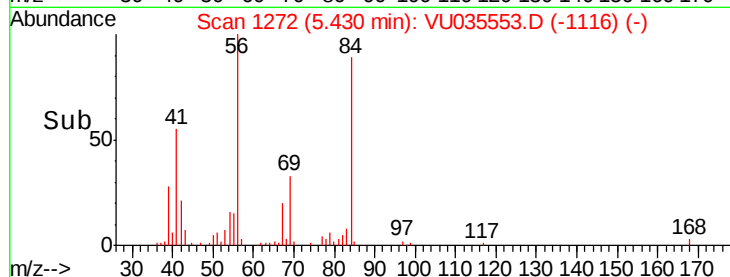
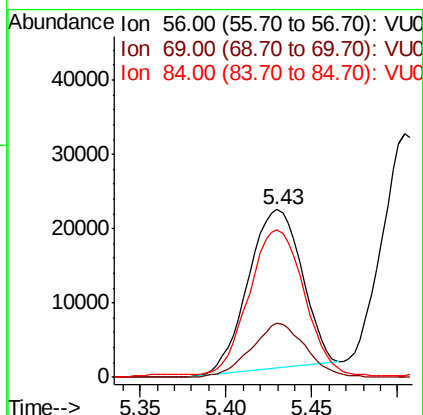
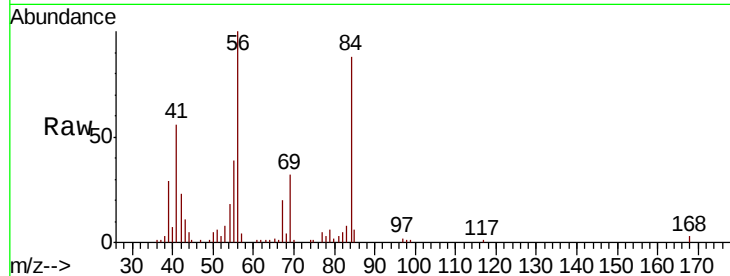




#19
Cyclohexane
Concen: 1.539 ug/l
RT: 5.43 min Scan# 1272
Delta R.T. 0.00 min
Lab File: VU035553.D
Acq: 30 Oct 2019 11:28

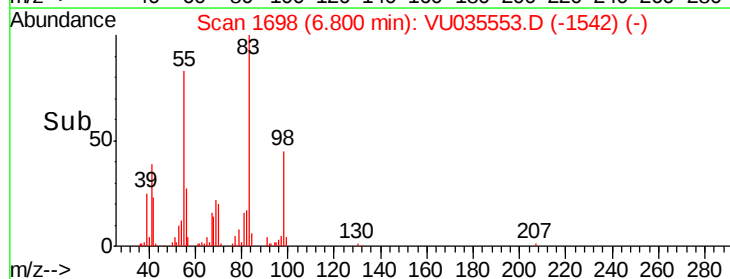
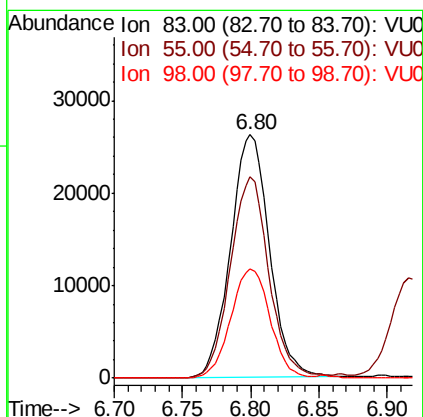
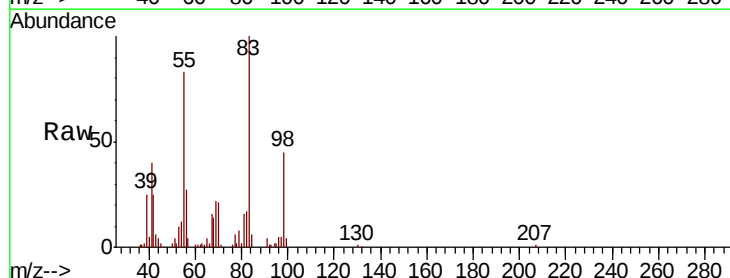
Instrument :
MSVOA_U
ClientSampleId :

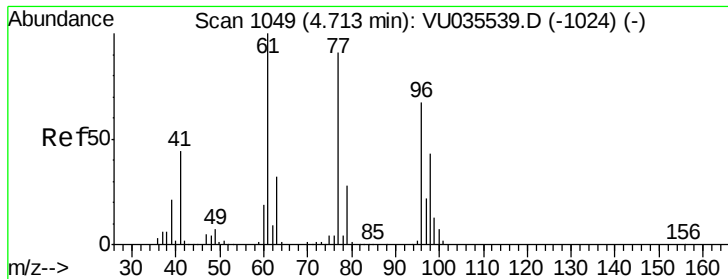
Tot Ion: 56 Resp: 46608
Ion Ratio Lower Upper
56 100
69 34.5 26.4 39.6
84 93.6 72.9 109.3



#20
Methylcyclohexane
Concen: 1.670 ug/l
RT: 6.80 min Scan# 1698
Delta R.T. 0.00 min
Lab File: VU035553.D
Acq: 30 Oct 2019 11:28

Tgt Ion: 83 Resp: 51888
Ion Ratio Lower Upper
83 100
55 81.0 61.2 91.8
98 44.3 36.7 55.1

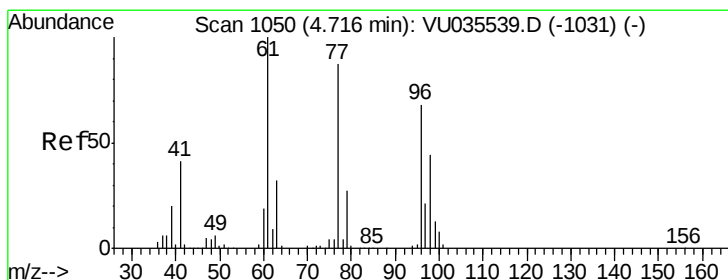
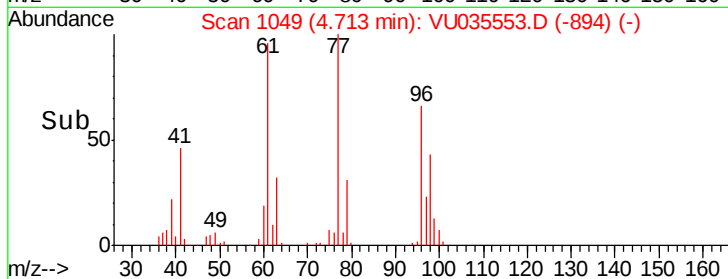
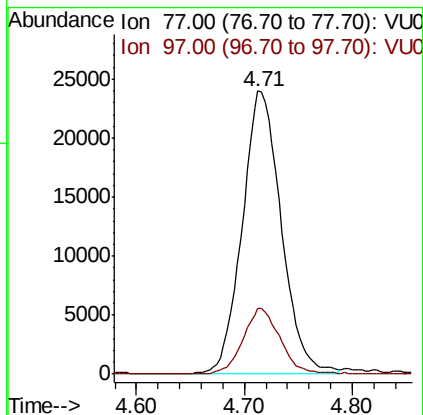
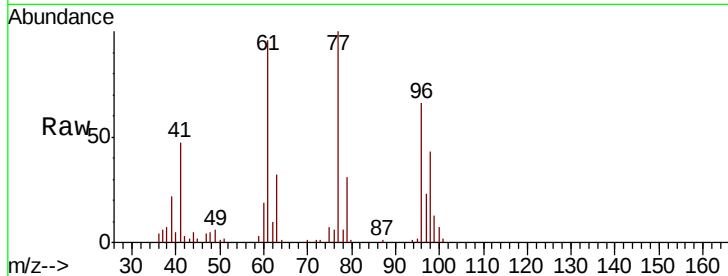




#21
 2,2-Dichloropropane
 Concen: 1.834 ug/l
 RT: 4.71 min Scan# 1049
 Delta R.T. -0.00 min
 Lab File: VU035553.D
 Acq: 30 Oct 2019 11:28

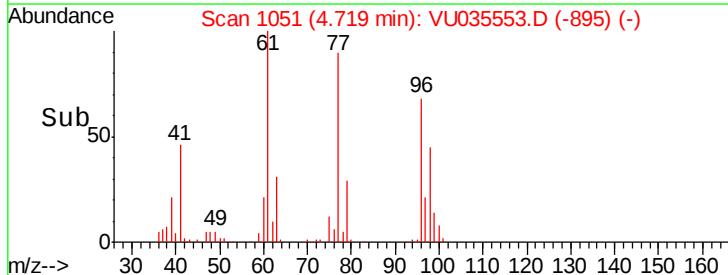
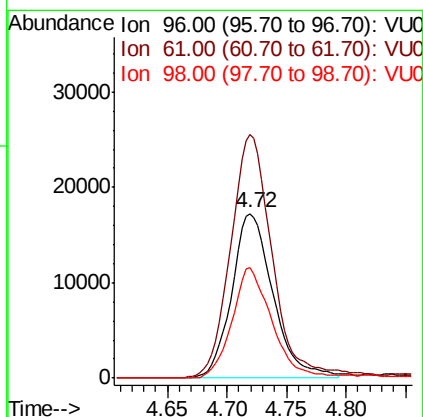
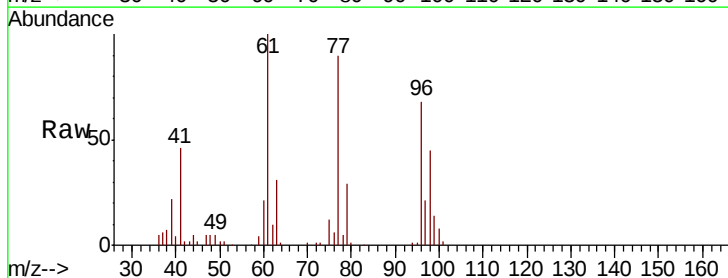
Instrument :
 MSVOA_U
 ClientSampleId :

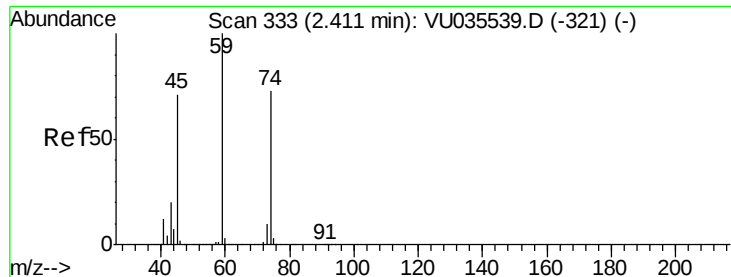
Tot Ion: 77 Resp: 60494
 Ion Ratio Lower Upper
 77 100
 97 21.8 18.8 28.2



#22
 cis-1,2-Dichloroethene
 Concen: 1.900 ug/l
 RT: 4.72 min Scan# 1051
 Delta R.T. 0.00 min
 Lab File: VU035553.D
 Acq: 30 Oct 2019 11:28

Tgt Ion: 96 Resp: 41484
 Ion Ratio Lower Upper
 96 100
 61 150.9 0.0 370.5
 98 65.3 31.8 95.4

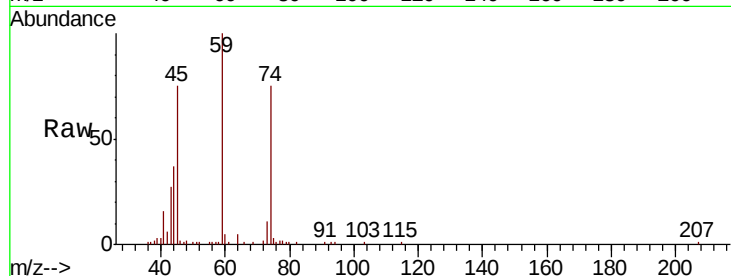




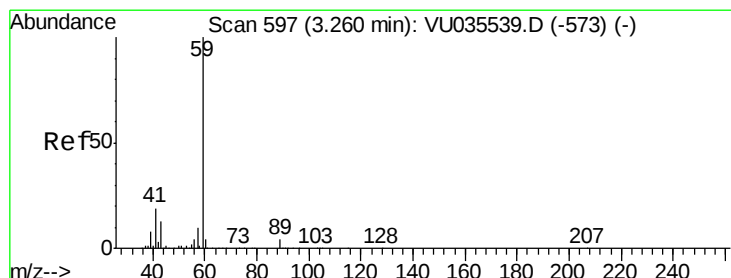
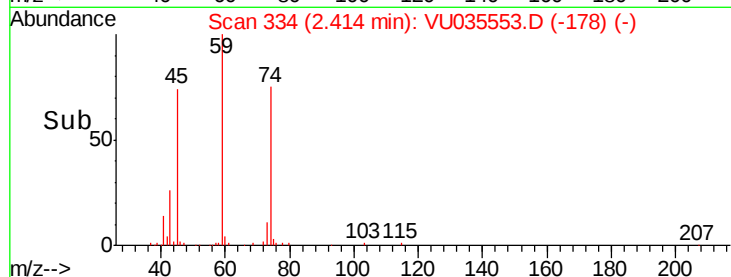
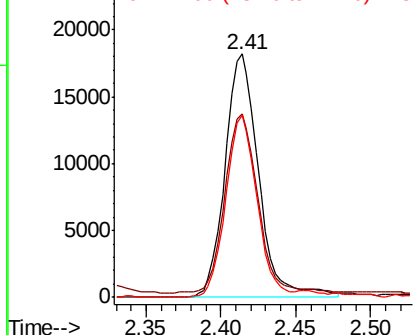
#23
Diethyl Ether
Concen: 1.864 ug/l
RT: 2.41 min Scan# 334
Delta R.T. 0.00 min
Lab File: VU035553.D
Acq: 30 Oct 2019 11:28

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion	59	Resp	28517
Ion	Ratio	Lower	Upper
59	100		
45	73.4	56.9	85.3
74	69.7	59.5	89.3

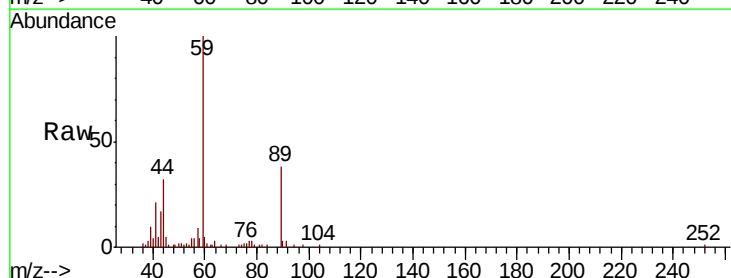


Abundance Ion 59.00 (58.70 to 59.70): VU0
Ion 45.00 (44.70 to 45.70): VU0
Ion 74.00 (73.70 to 74.70): VU0

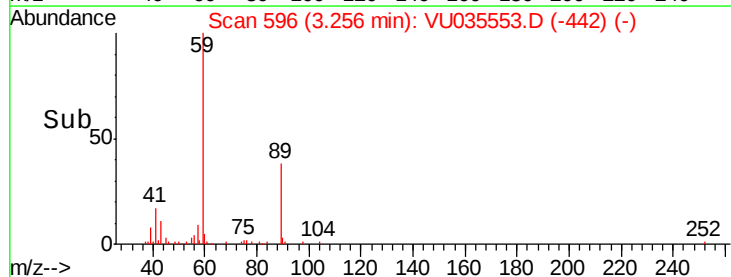
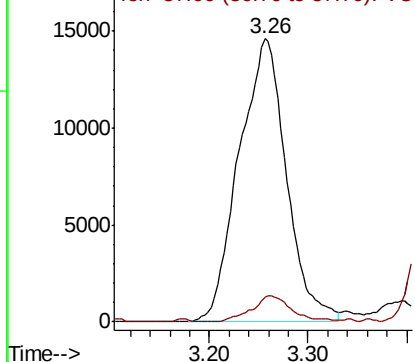


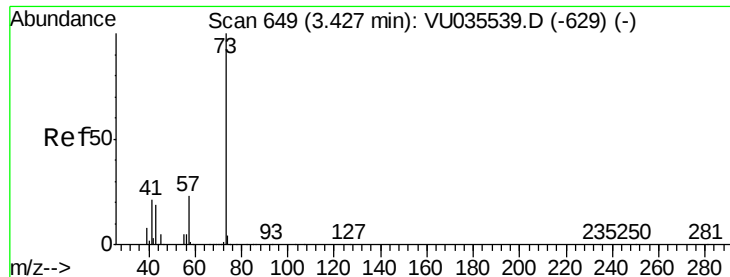
#24
tert-Butyl Alcohol
Concen: 28.517 ug/l
RT: 3.26 min Scan# 596
Delta R.T. -0.00 min
Lab File: VU035553.D
Acq: 30 Oct 2019 11:28

Tgt Ion	59	Resp	48617
Ion	Ratio	Lower	Upper
59	100		
57	7.5	7.4	11.0



Abundance Ion 59.00 (58.70 to 59.70): VU0
Ion 57.00 (56.70 to 57.70): VU0



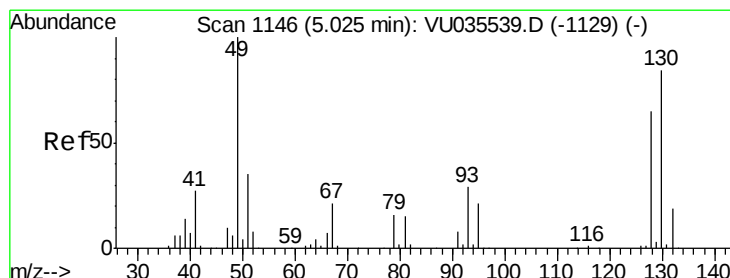
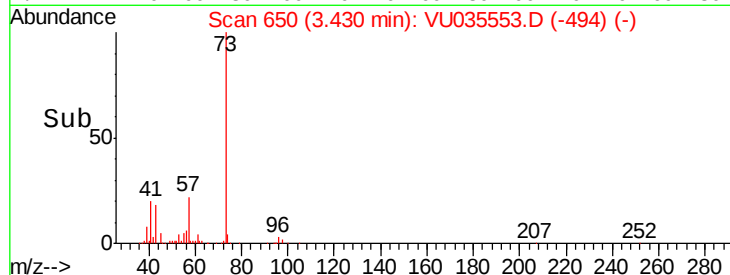
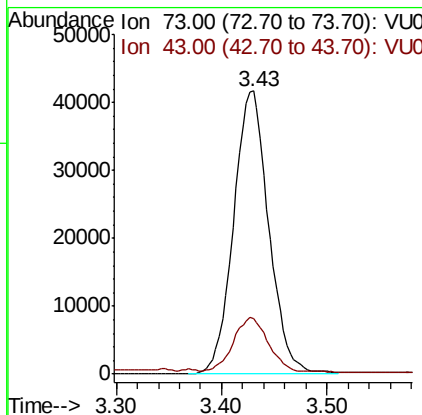
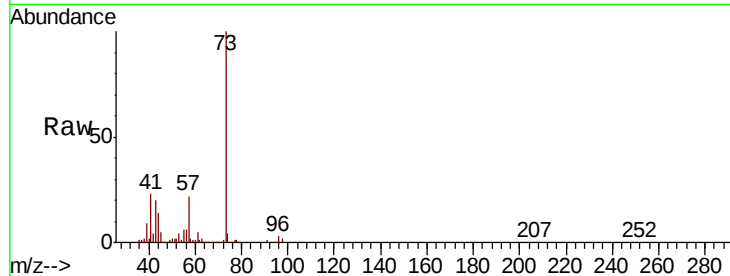


#25

Methyl tert-Butyl Ether
 Concen: 1.945 ug/l
 RT: 3.43 min Scan# 650
 Delta R.T. 0.00 min
 Lab File: VU035553.D
 Acq: 30 Oct 2019 11:28

Instrument :
 MSVOA_U
 ClientSampleId :

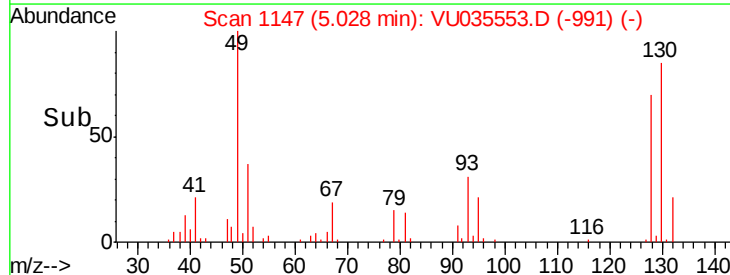
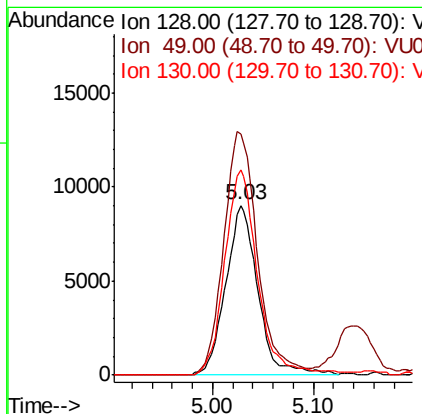
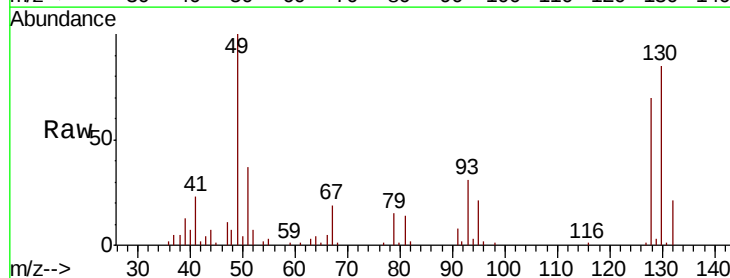
Tot Ion: 73 Resp: 96721
 Ion Ratio Lower Upper
 73 100
 43 18.5 15.4 23.2

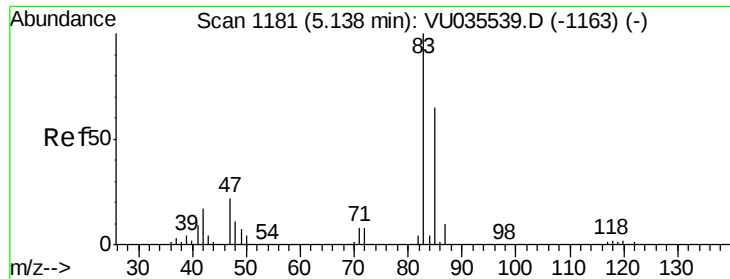


#26

Bromochloromethane
 Concen: 2.064 ug/l
 RT: 5.03 min Scan# 1147
 Delta R.T. 0.00 min
 Lab File: VU035553.D
 Acq: 30 Oct 2019 11:28

Tgt Ion: 128 Resp: 20119
 Ion Ratio Lower Upper
 128 100
 49 149.8 0.0 309.0
 130 122.0 101.8 152.8

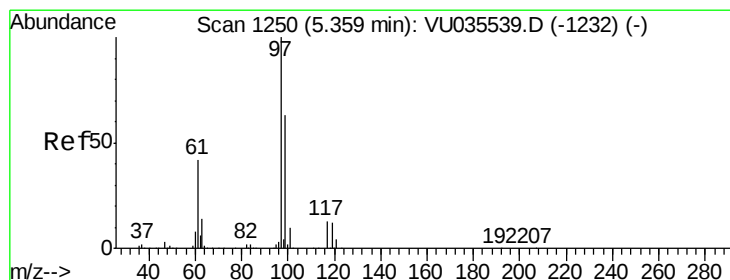
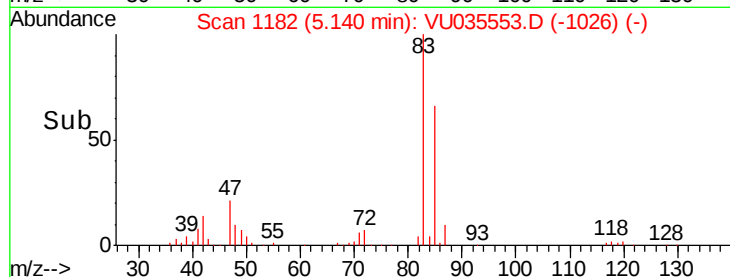
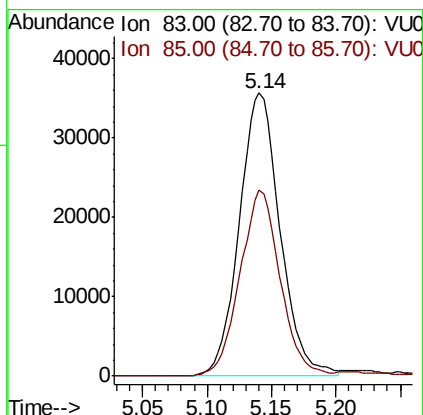
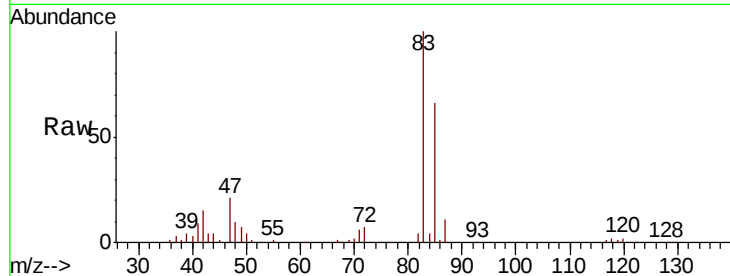




#27
Chloroform
Concen: 1.925 ug/l
RT: 5.14 min Scan# 1182
Delta R.T. 0.00 min
Lab File: VU035553.D
Acq: 30 Oct 2019 11:28

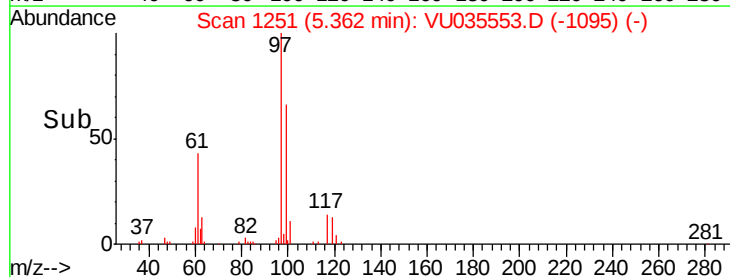
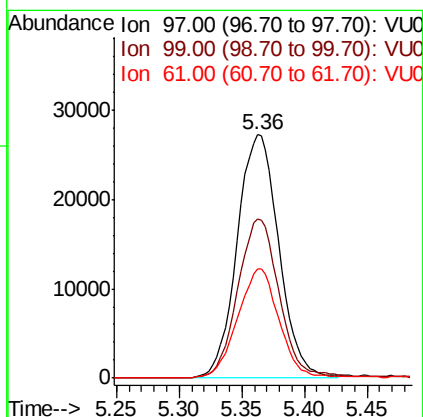
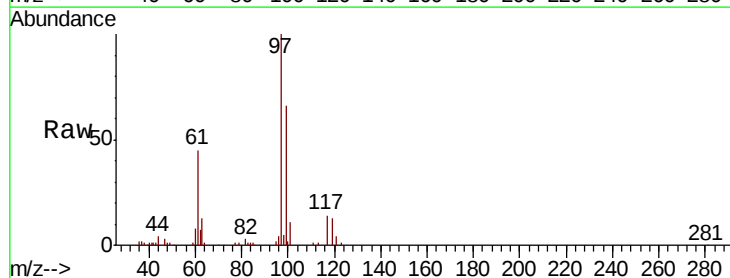
Instrument :
MSVOA_U
ClientSampleId :

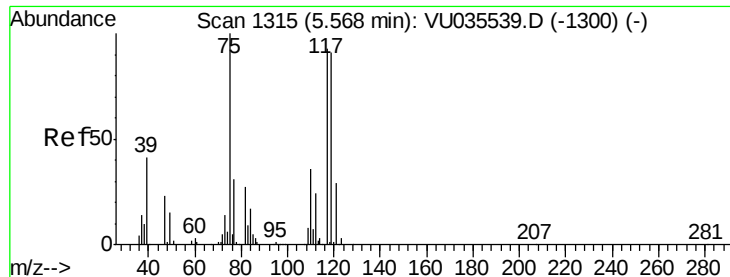
Tot Ion: 83 Resp: 78598
Ion Ratio Lower Upper
83 100
85 65.5 0.0 130.6



#28
1,1,1-Trichloroethane
Concen: 1.947 ug/l
RT: 5.36 min Scan# 1251
Delta R.T. 0.00 min
Lab File: VU035553.D
Acq: 30 Oct 2019 11:28

Tgt Ion: 97 Resp: 62982
Ion Ratio Lower Upper
97 100
99 65.3 32.6 97.7
61 44.7 21.8 65.4





#29

1,1-Dichloropropene

Concen: 1.766 ug/l

RT: 5.57 min Scan# 1316

Delta R.T. 0.00 min

Lab File: VU035553.D

Acq: 30 Oct 2019 11:28

Instrument :

MSVOA_U

ClientSampleId :

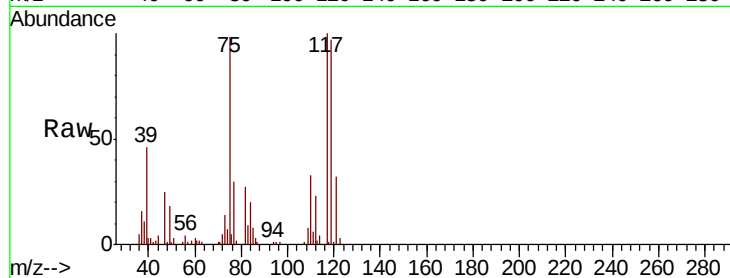
Tot Ion: 75 Resp: 47898

Ion Ratio Lower Upper

75 100

110 37.8 18.3 54.8

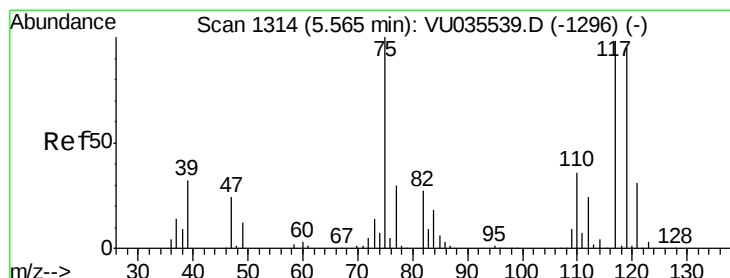
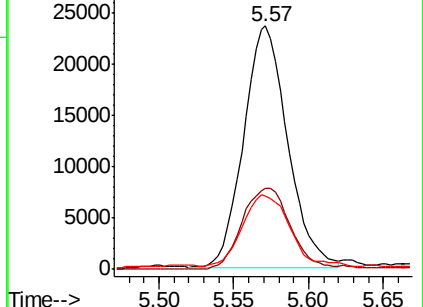
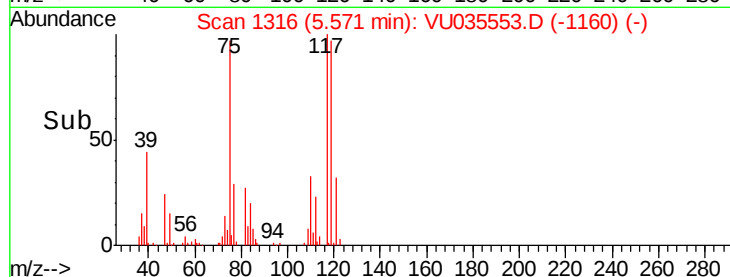
77 31.7 24.6 37.0



Abundance Ion 75.00 (74.70 to 75.70): VU035553.D (-1160) (-)

Ion 110.00 (109.70 to 110.70): VU035553.D (-1160) (-)

Ion 77.00 (76.70 to 77.70): VU035553.D (-1160) (-)



#30

Carbon Tetrachloride

Concen: 1.918 ug/l

RT: 5.57 min Scan# 1315

Delta R.T. 0.00 min

Lab File: VU035553.D

Acq: 30 Oct 2019 11:28

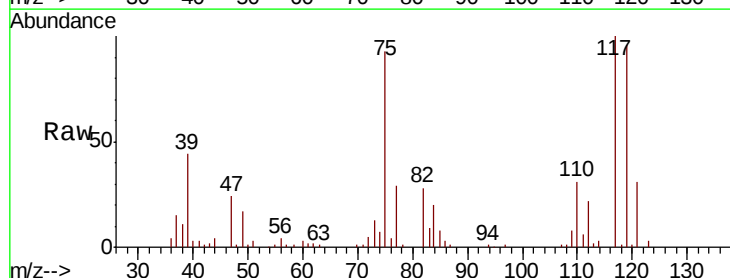
Tgt Ion: 117 Resp: 55195

Ion Ratio Lower Upper

117 100

119 96.5 77.3 115.9

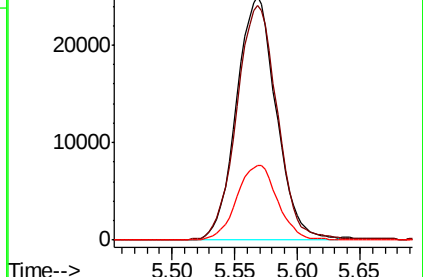
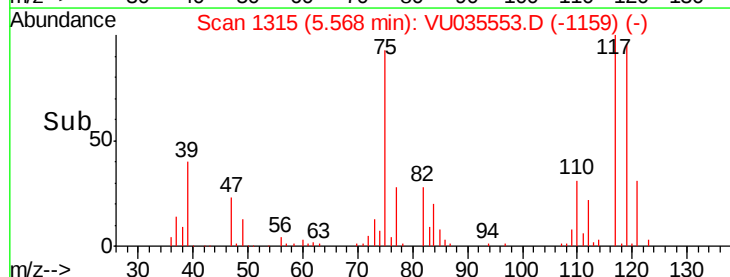
121 30.6 25.2 37.8

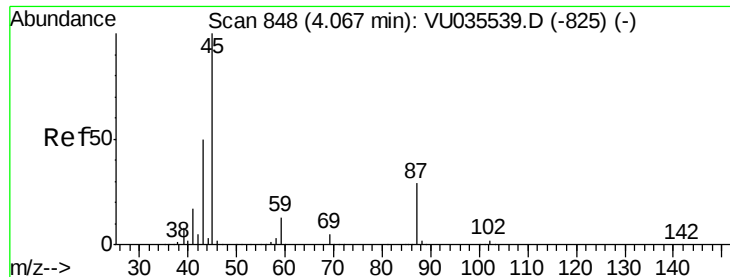


Abundance Ion 117.00 (116.70 to 117.70): VU035553.D (-1159) (-)

Ion 119.00 (118.70 to 119.70): VU035553.D (-1159) (-)

Ion 121.00 (120.70 to 121.70): VU035553.D (-1159) (-)





#31

Isopropyl Ether

Concen: 1.796 ug/l

RT: 4.07 min Scan# 848

Delta R.T. -0.00 min

Lab File: VU035553.D

Acq: 30 Oct 2019 11:28

Instrument :

MSVOA_U

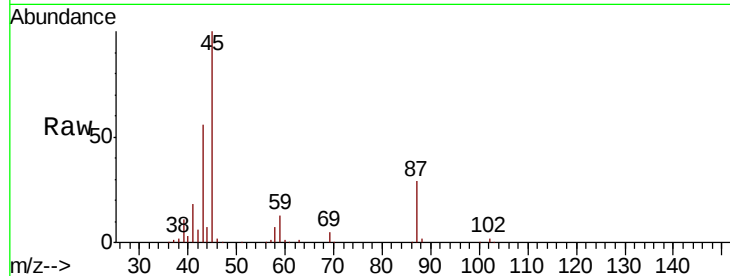
ClientSampleId :

Tot Ion: 45 Resp: 95856

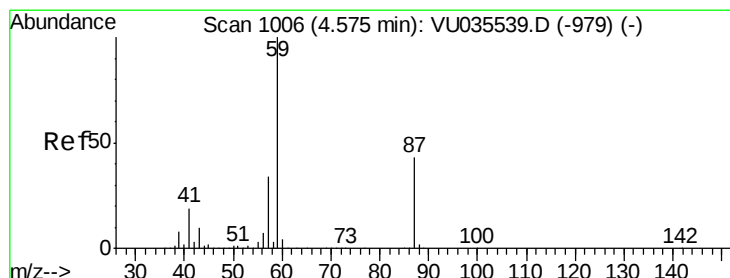
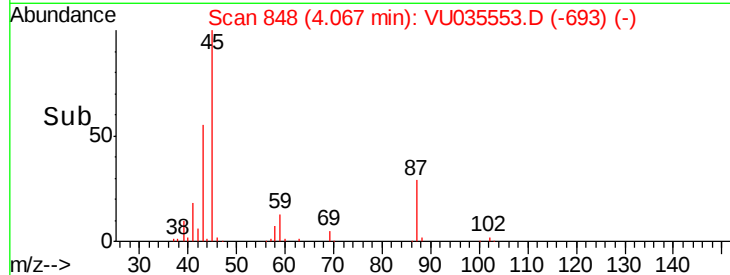
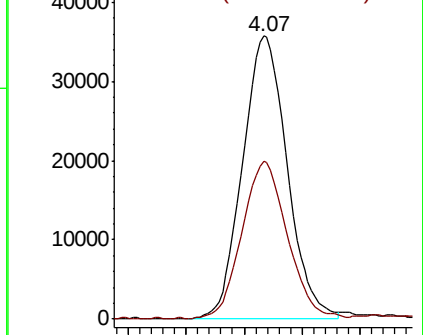
Ion Ratio Lower Upper

45 100

43 55.9 25.3 75.8



Abundance Ion 45.00 (44.70 to 45.70): VU035553.D (-825) (-)



#32

Ethyl-t-butyl ether

Concen: 1.734 ug/l

RT: 4.57 min Scan# 1006

Delta R.T. -0.00 min

Lab File: VU035553.D

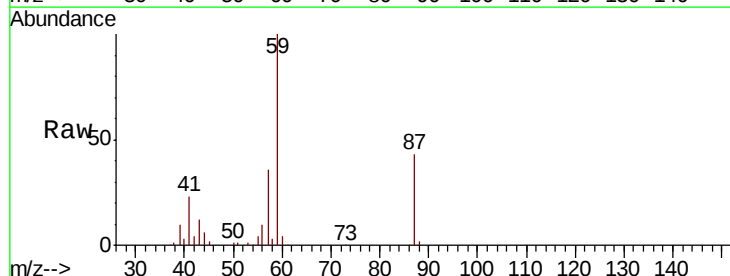
Acq: 30 Oct 2019 11:28

Tgt Ion: 59 Resp: 85686

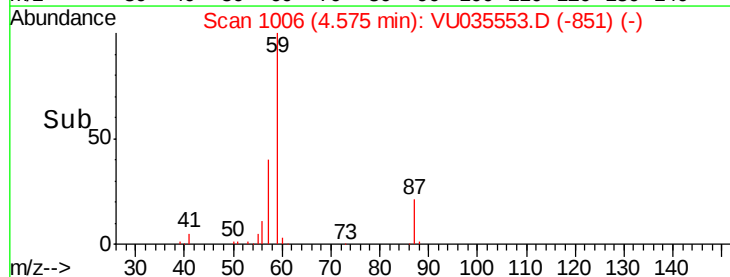
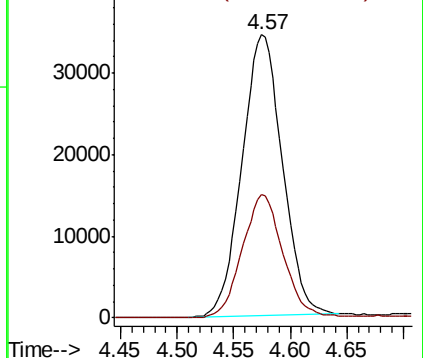
Ion Ratio Lower Upper

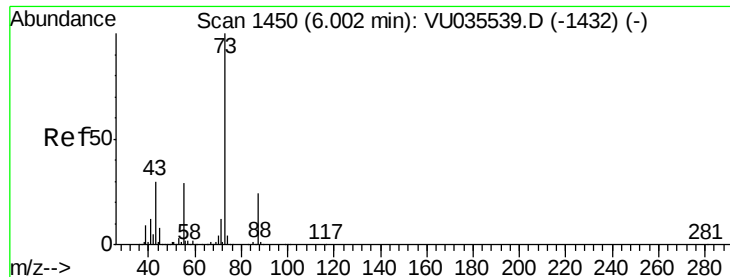
59 100

87 43.5 33.9 50.9



Abundance Ion 59.00 (58.70 to 59.70): VU035553.D (-979) (-)



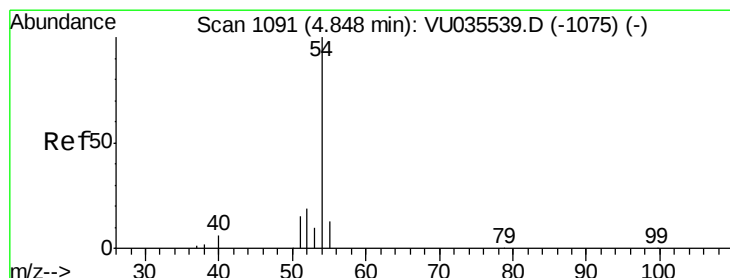
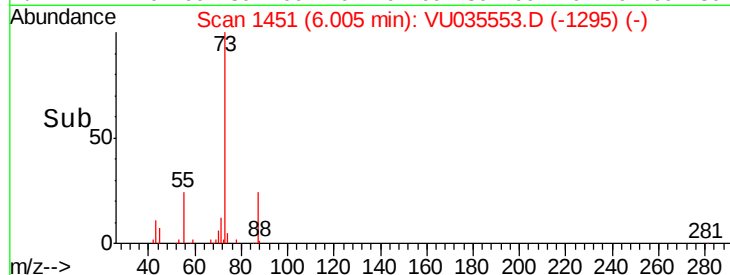
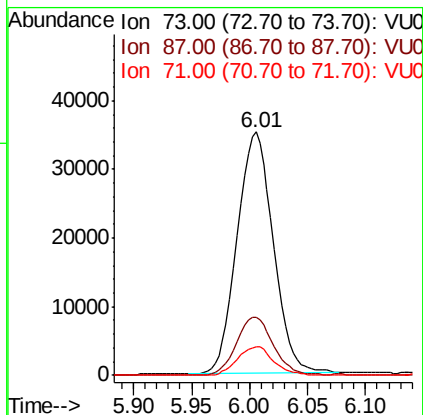
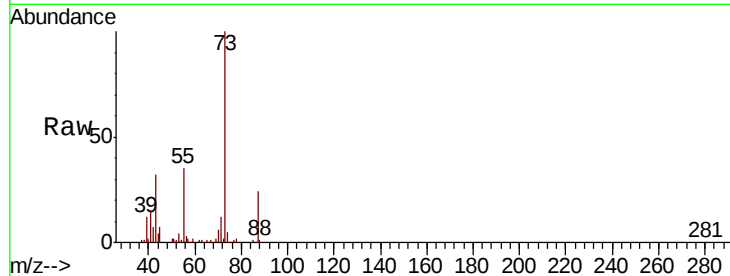


#33

Tert-Butyl methyl ether
 Concen: 1.800 ug/l
 RT: 6.01 min Scan# 1451
 Delta R.T. 0.00 min
 Lab File: VU035553.D
 Acq: 30 Oct 2019 11:28

Instrument :
 MSVOA_U
 ClientSampleId :

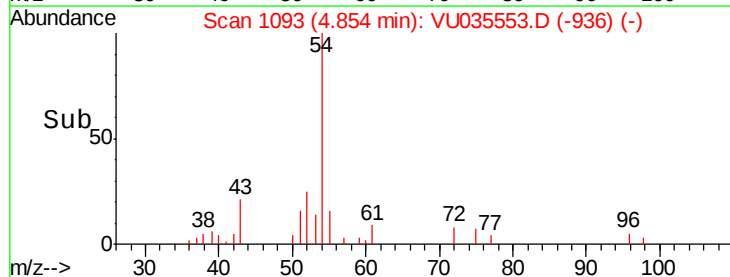
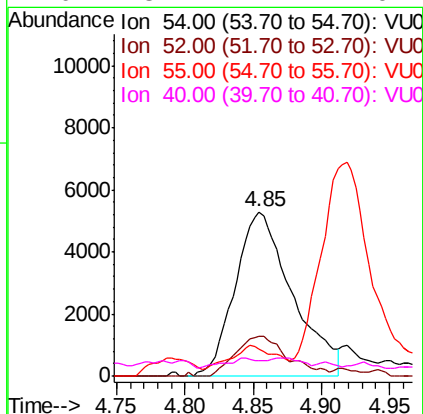
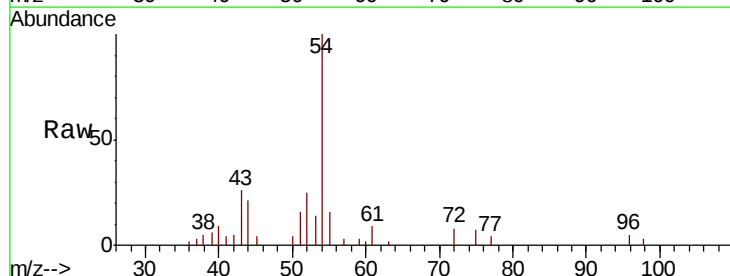
Tot Ion: 73 Resp: 76480
 Ion Ratio Lower Upper
 73 100
 87 24.5 19.5 29.3
 71 11.8 9.4 14.2

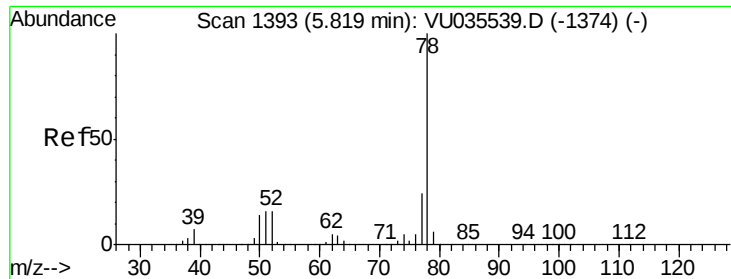


#34

Propionitrile
 Concen: 9.071 ug/l
 RT: 4.85 min Scan# 1093
 Delta R.T. 0.01 min
 Lab File: VU035553.D
 Acq: 30 Oct 2019 11:28

Tgt Ion: 54 Resp: 15390
 Ion Ratio Lower Upper
 54 100
 52 22.1 14.6 21.8#
 55 11.0 11.7 17.5#
 40 3.7 4.2 6.2#





#35

Benzene

Concen: 1.918 ug/l

RT: 5.82 min Scan# 1393

Delta R.T. -0.00 min

Lab File: VU035553.D

Acq: 30 Oct 2019 11:28

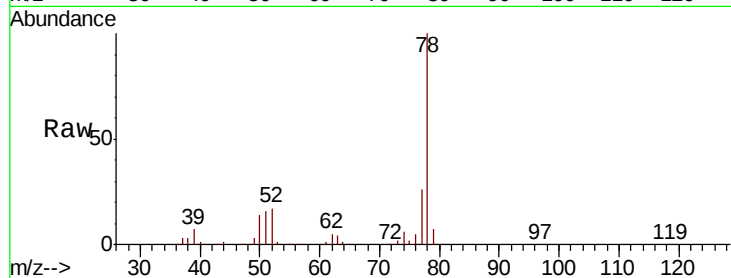
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 78 Resp: 158788

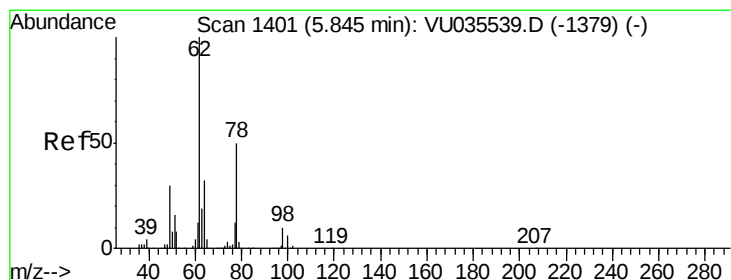
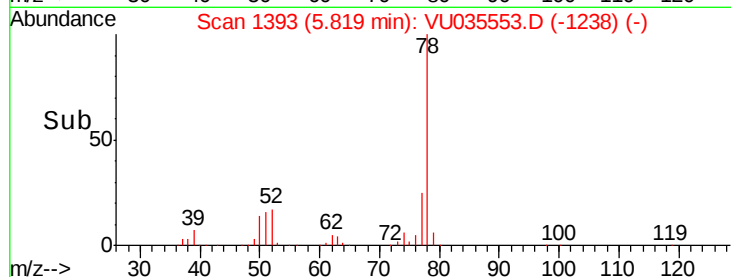
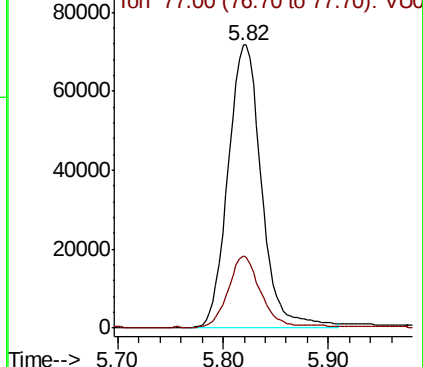
Ion Ratio Lower Upper

78 100

77 25.2 19.0 28.4



Abundance Ion 78.10 (77.80 to 78.80): VU035553.D (-1238) (-)



#36

1,2-Dichloroethane

Concen: 1.941 ug/l

RT: 5.84 min Scan# 1401

Delta R.T. -0.00 min

Lab File: VU035553.D

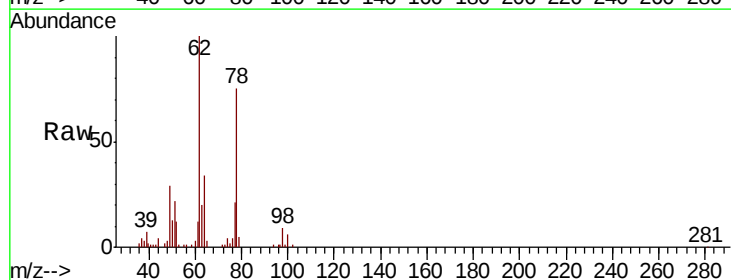
Acq: 30 Oct 2019 11:28

Tgt Ion: 62 Resp: 46025

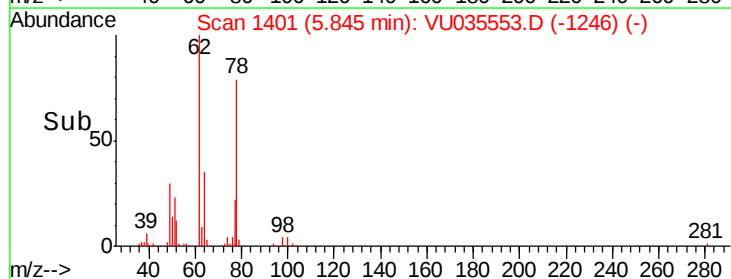
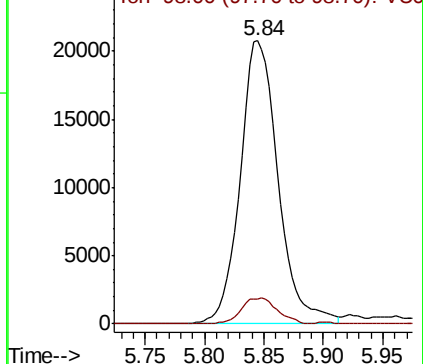
Ion Ratio Lower Upper

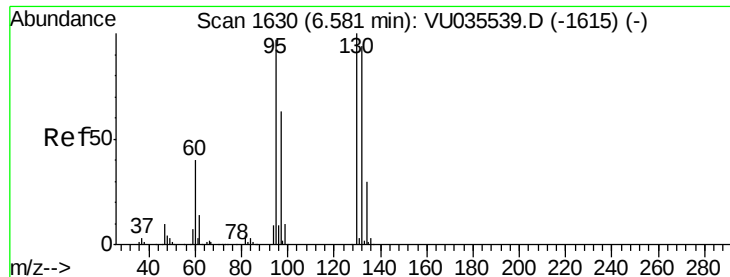
62 100

98 8.7 7.5 11.3



Abundance Ion 62.00 (61.70 to 62.70): VU035553.D (-1246) (-)

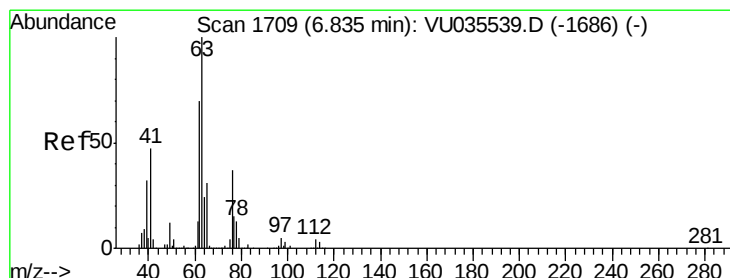
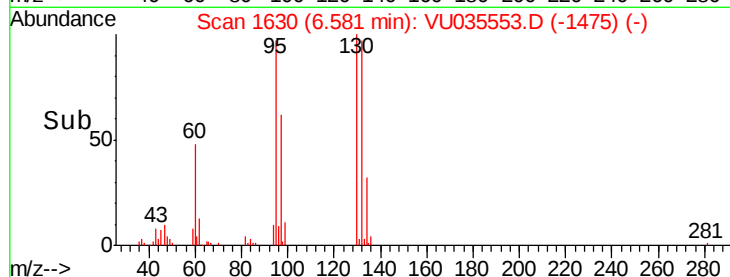
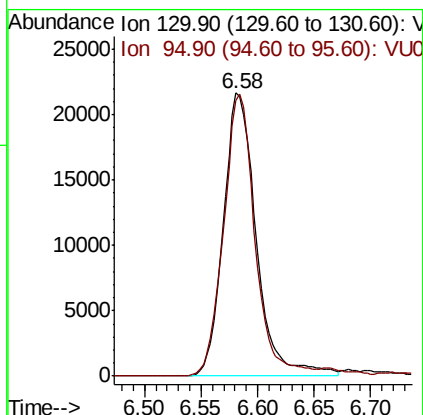
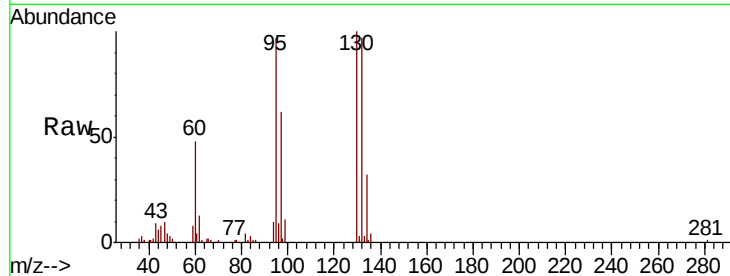




#37
 Trichloroethene
 Concen: 1.912 ug/l
 RT: 6.58 min Scan# 1630
 Delta R.T. -0.00 min
 Lab File: VU035553.D
 Acq: 30 Oct 2019 11:28

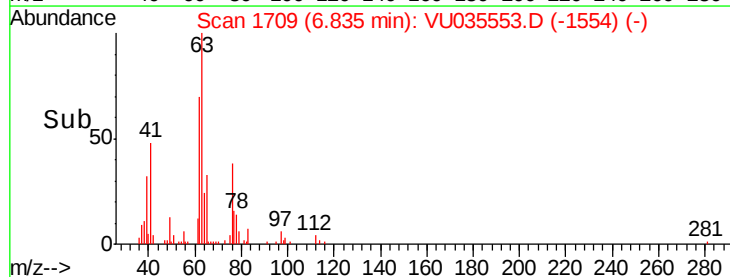
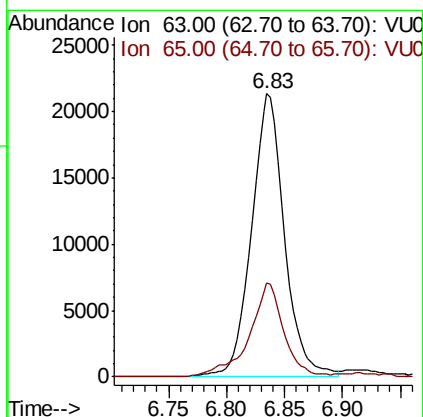
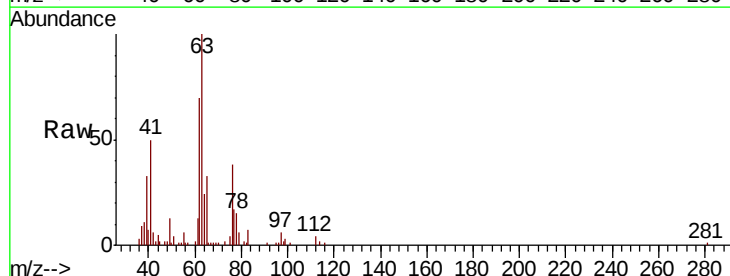
Instrument :
 MSVOA_U
 ClientSampleId :

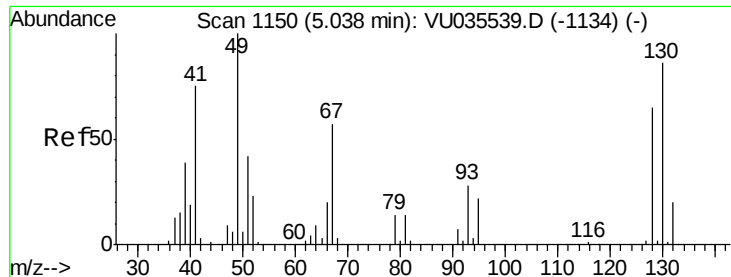
Tot Ion:130 Resp: 43971
 Ion Ratio Lower Upper
 130 100
 95 97.3 77.5 116.3



#38
 1,2-Dichloropropane
 Concen: 1.864 ug/l
 RT: 6.83 min Scan# 1709
 Delta R.T. -0.00 min
 Lab File: VU035553.D
 Acq: 30 Oct 2019 11:28

Tgt Ion: 63 Resp: 42309
 Ion Ratio Lower Upper
 63 100
 65 33.3 25.0 37.6

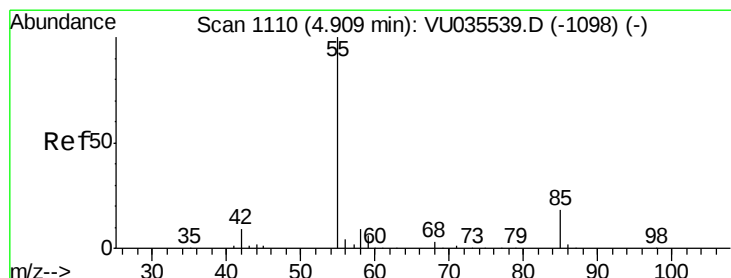
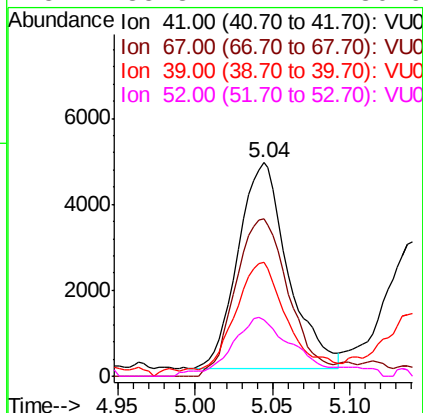
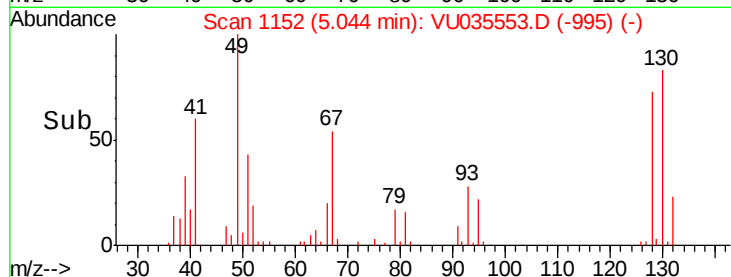
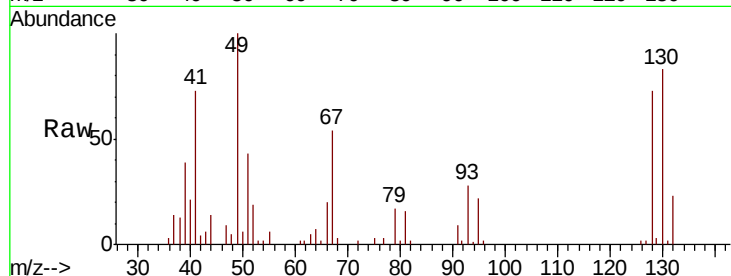




#39
Methacrylonitrile
Concen: 1.696 ug/l
RT: 5.04 min Scan# 1152
Delta R.T. 0.01 min
Lab File: VU035553.D
Acq: 30 Oct 2019 11:28

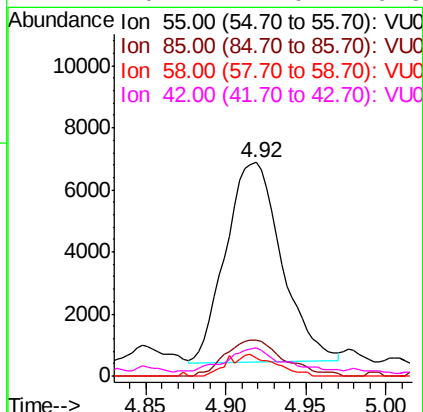
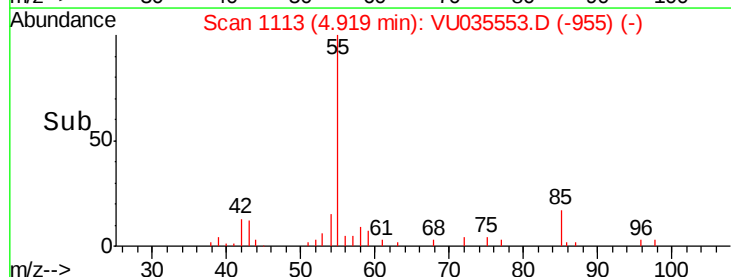
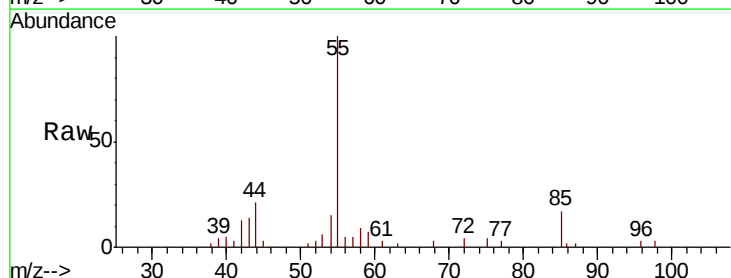
Instrument :
MSVOA_U
ClientSampled :

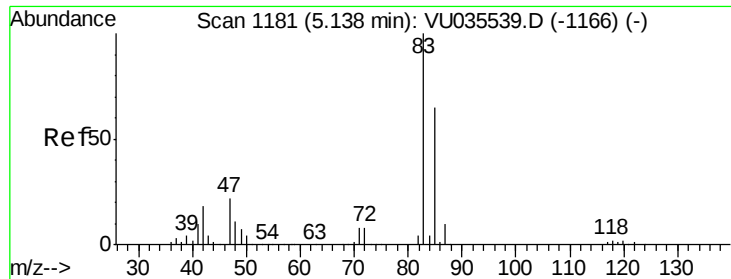
Tot Ion:	41	Resp:	10807
Ion	Ratio	Lower	Upper
41	100		
67	81.1	61.5	92.3
39	51.6	41.3	61.9
52	35.3	24.4	36.6



#40
Methyl acrylate
Concen: 1.595 ug/l
RT: 4.92 min Scan# 1113
Delta R.T. 0.01 min
Lab File: VU035553.D
Acq: 30 Oct 2019 11:28

Tgt Ion:	55	Resp:	15467
Ion	Ratio	Lower	Upper
55	100		
85	18.9	13.5	20.3
58	9.1	6.6	10.0
42	10.7	7.0	10.6#





#41

Tetrahydrofuran

Concen: 3.730 ug/l

RT: 5.14 min Scan# 1182

Delta R.T. 0.00 min

Lab File: VU035553.D

Acq: 30 Oct 2019 11:28

Instrument :

MSVOA_U

ClientSampleId :

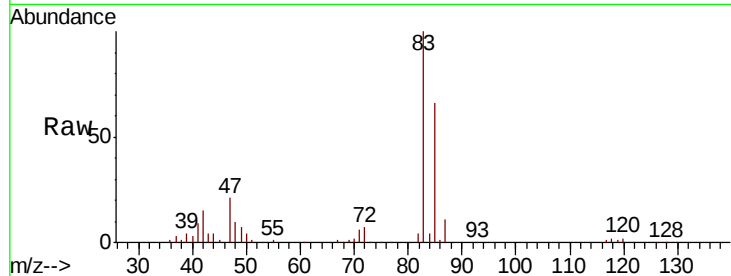
Tot Ion: 42 Resp: 12215

Ion Ratio Lower Upper

42 100

72 52.4 89.9 134.9#

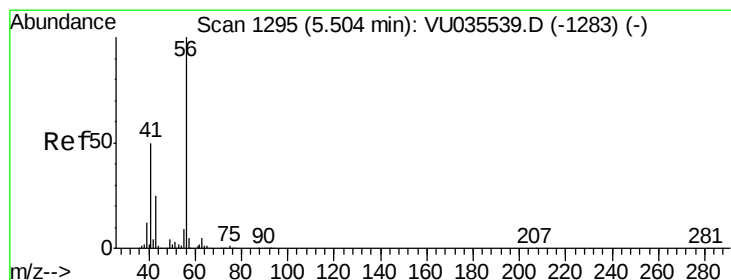
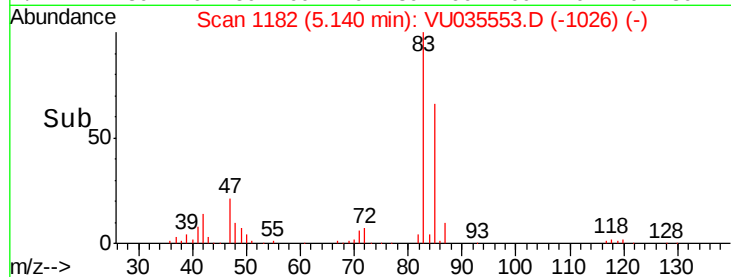
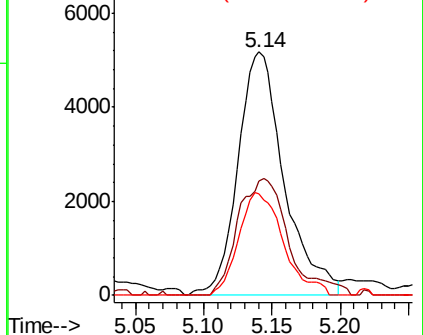
71 40.6 3.7 5.5#



Abundance Ion 42.00 (41.70 to 42.70): VU0

Ion 72.00 (71.70 to 72.70): VU0

Ion 71.00 (70.70 to 71.70): VU0



#42

1-Chlorobutane

Concen: 1.755 ug/l

RT: 5.50 min Scan# 1295

Delta R.T. -0.00 min

Lab File: VU035553.D

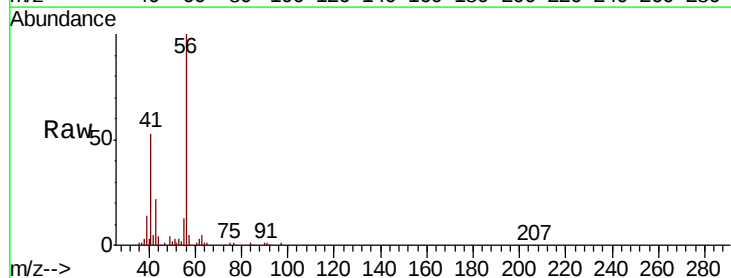
Acq: 30 Oct 2019 11:28

Tgt Ion: 56 Resp: 65510

Ion Ratio Lower Upper

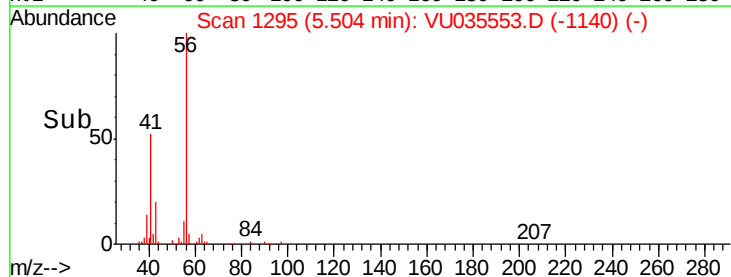
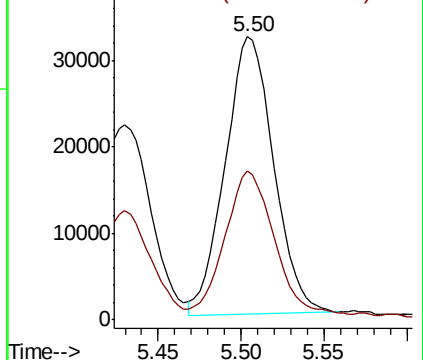
56 100

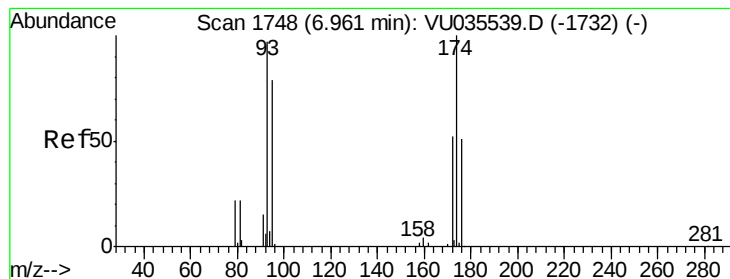
41 52.0 25.5 76.5



Abundance Ion 56.00 (55.70 to 56.70): VU0

Ion 41.00 (40.70 to 41.70): VU0





#43

Dibromomethane

Concen: 1.869 ug/l

RT: 6.96 min Scan# 1749

Delta R.T. 0.00 min

Lab File: VU035553.D

Acq: 30 Oct 2019 11:28

Instrument :

MSVOA_U

ClientSampleId :

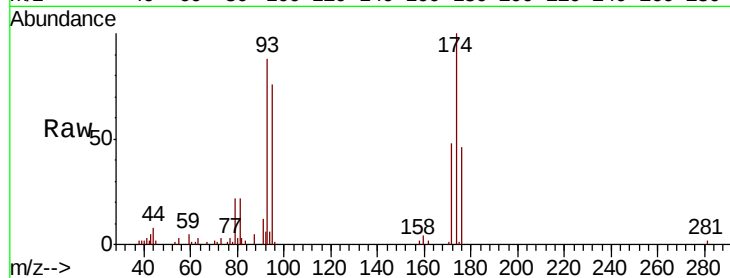
Tot Ion: 93 Resp: 21188

Ion Ratio Lower Upper

93 100

95 88.4 65.1 97.7

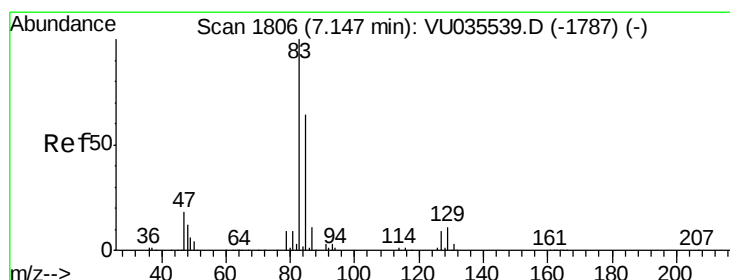
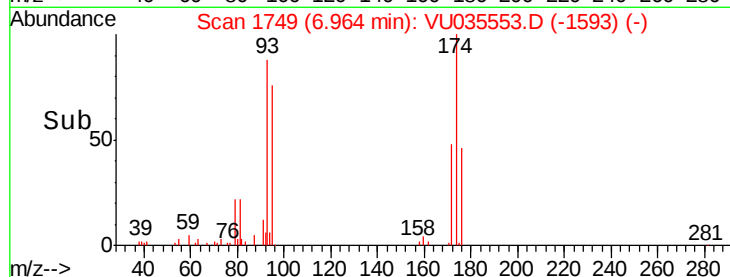
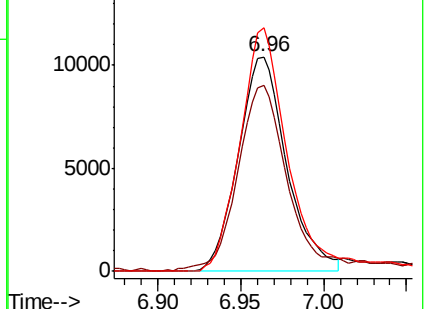
174 114.6 84.2 126.4



Abundance Ion 93.00 (92.70 to 93.70): VU035539.D (-1732) (-)

Ion 95.00 (94.70 to 95.70): VU035539.D (-1732) (-)

Ion 174.00 (173.70 to 174.70): VU035539.D (-1732) (-)



#44

Bromodichloromethane

Concen: 1.953 ug/l

RT: 7.15 min Scan# 1807

Delta R.T. 0.00 min

Lab File: VU035553.D

Acq: 30 Oct 2019 11:28

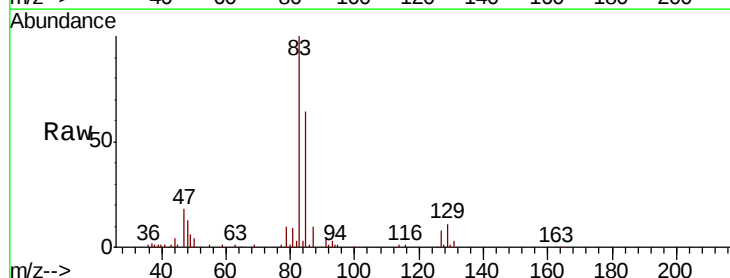
Tgt Ion: 83 Resp: 55185

Ion Ratio Lower Upper

83 100

85 64.1 51.6 77.4

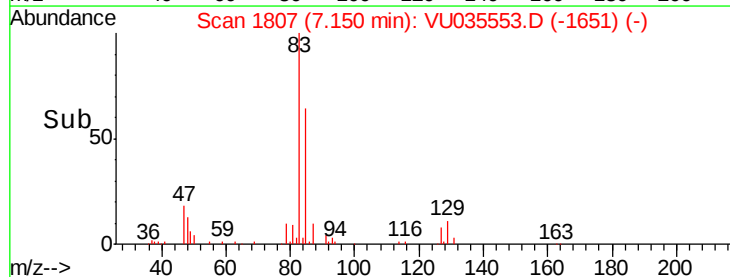
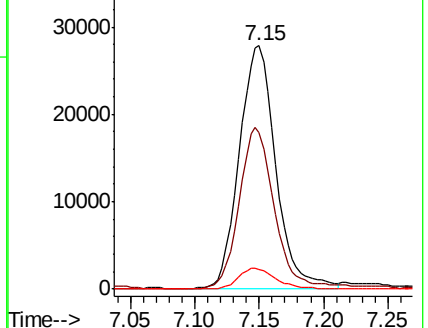
127 8.3 7.0 10.4

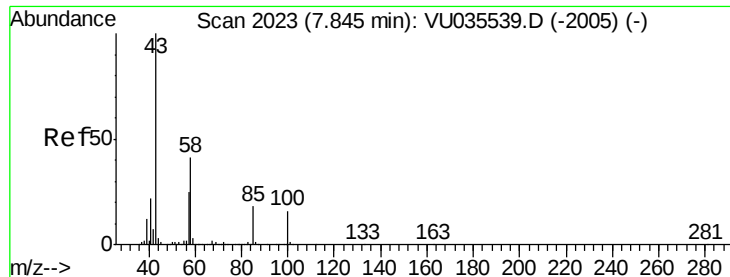


Abundance Ion 83.00 (82.70 to 83.70): VU035539.D (-1787) (-)

Ion 85.00 (84.70 to 85.70): VU035539.D (-1787) (-)

Ion 127.00 (126.70 to 127.70): VU035539.D (-1787) (-)





#45

4-Methyl-2-Pentanone

Concen: 8.841 ug/l

RT: 7.85 min Scan# 2024

Delta R.T. 0.00 min

Lab File: VU035553.D

Acq: 30 Oct 2019 11:28

Instrument :
MSVOA_U
ClientSampled :

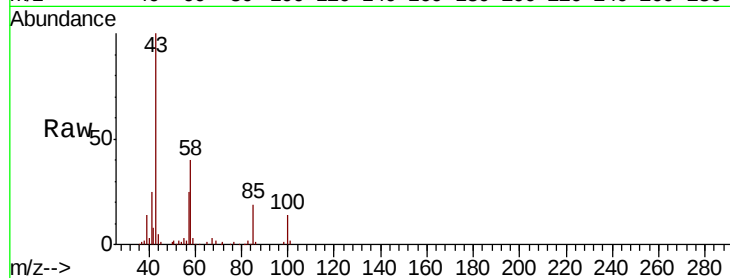
Tot Ion: 43 Resp: 106896

Ion Ratio Lower Upper

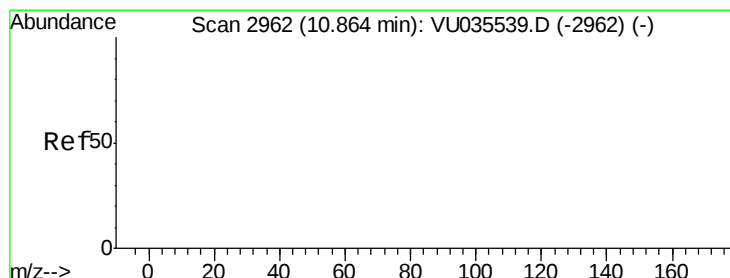
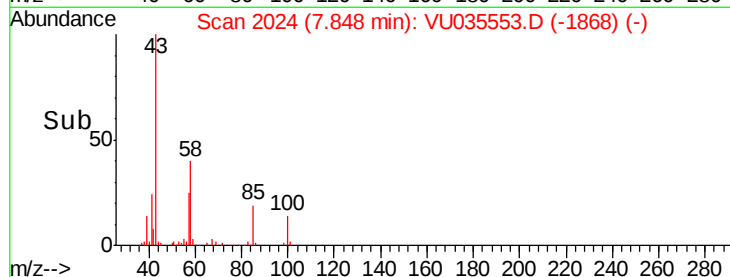
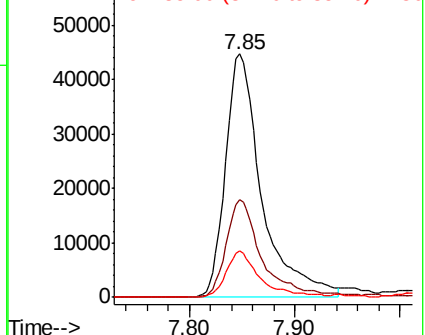
43 100

58 38.6 20.6 61.8

85 17.9 14.5 21.7



Abundance Ion 43.00 (42.70 to 43.70): VU0
Ion 58.00 (57.70 to 58.70): VU0
Ion 85.00 (84.70 to 85.70): VU0



#46

t-1,4-Dichloro-2-butene

Concen: 10.901 ug/l

RT: 10.86 min Scan# 2960

Delta R.T. -0.01 min

Lab File: VU035553.D

Acq: 30 Oct 2019 11:28

Tgt Ion: 75 Resp: 47905

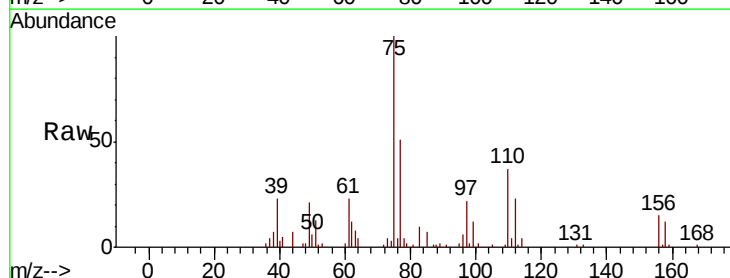
Ion Ratio Lower Upper

75 100

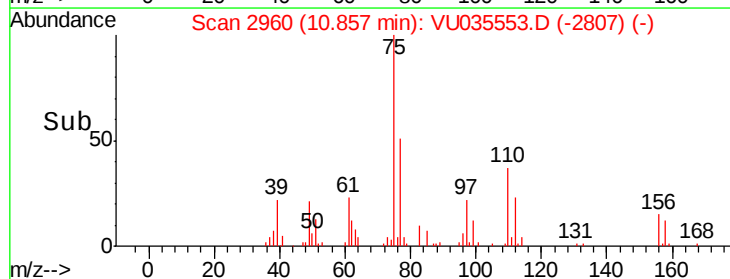
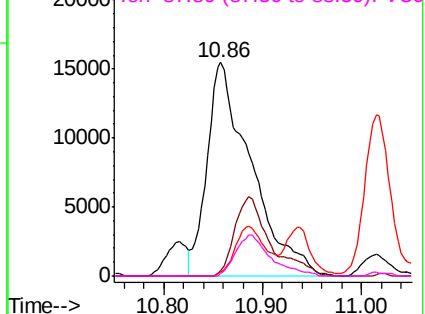
53 29.9 54.1 81.1#

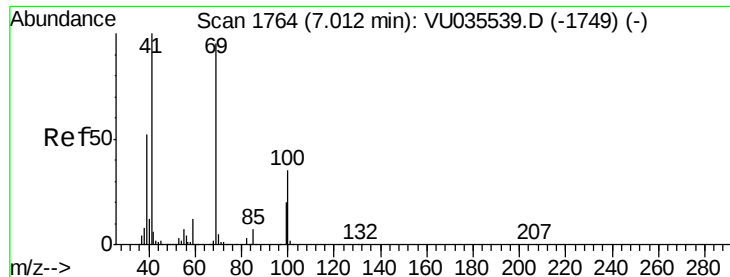
89 16.1 38.2 57.4#

88 15.2 30.6 45.8#



Abundance Ion 74.90 (74.60 to 75.60): VU0
Ion 53.00 (52.70 to 53.70): VU0
Ion 88.80 (88.50 to 89.50): VU0
Ion 87.80 (87.50 to 88.50): VU0

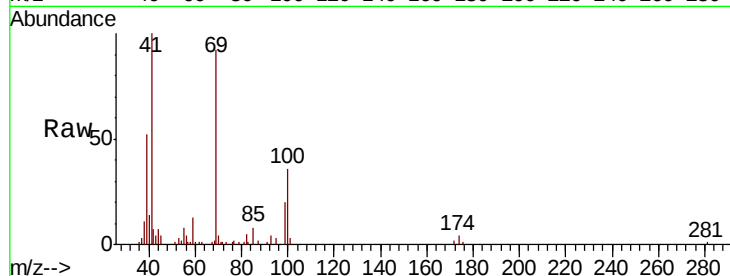




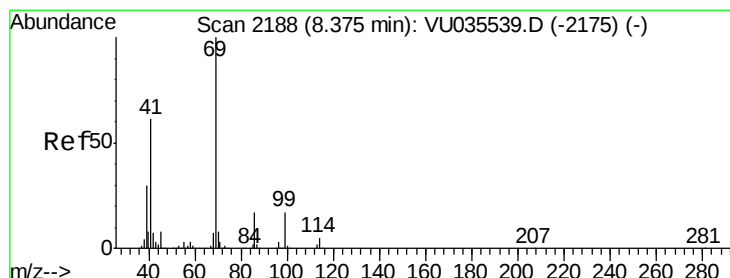
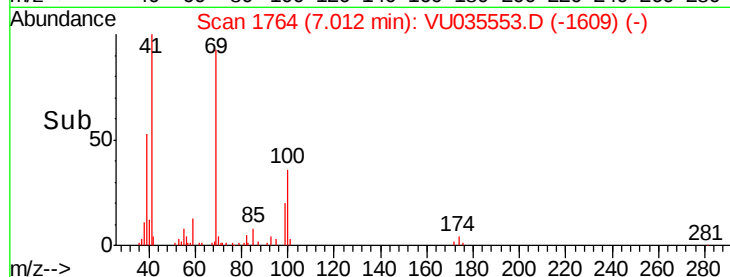
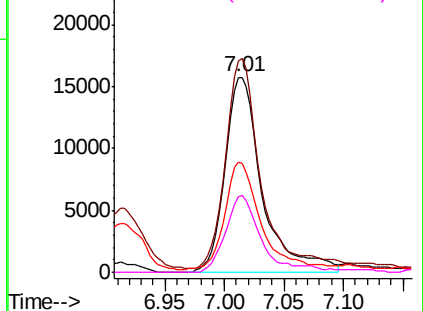
#47
Methyl methacrylate
Concen: 3.638 ug/l
RT: 7.01 min Scan# 1764
Delta R.T. -0.00 min
Lab File: VU035553.D
Acq: 30 Oct 2019 11:28

Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 69 Resp: 34160
Ion Ratio Lower Upper
69 100
41 103.1 0.0 216.8
39 52.9 45.1 67.7
100 37.4 29.8 44.6

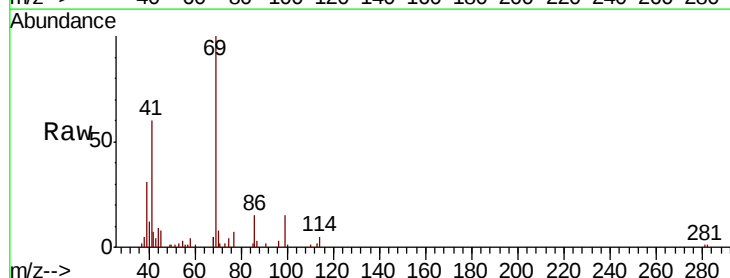


Abundance Ion 69.00 (68.70 to 69.70): VU0
Ion 41.00 (40.70 to 41.70): VU0
Ion 39.00 (38.70 to 39.70): VU0
Ion 100.00 (99.70 to 100.70): VU0

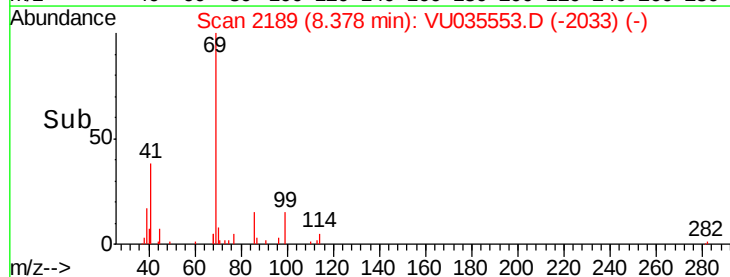
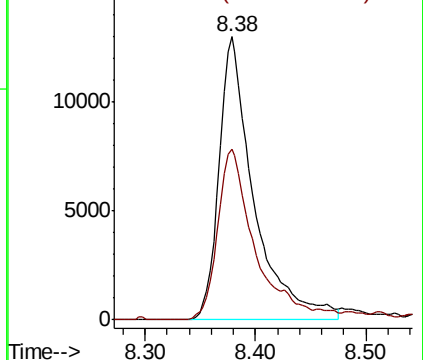


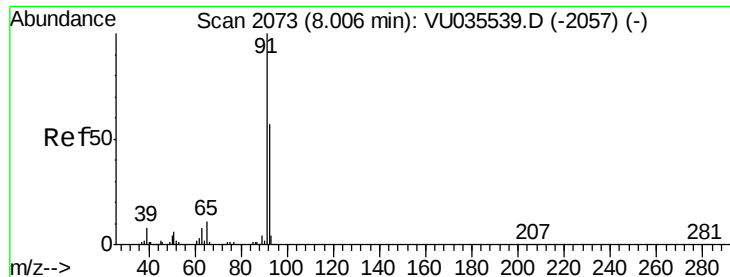
#48
Ethyl methacrylate
Concen: 1.738 ug/l
RT: 8.38 min Scan# 2189
Delta R.T. 0.00 min
Lab File: VU035553.D
Acq: 30 Oct 2019 11:28

Tgt Ion: 69 Resp: 28519
Ion Ratio Lower Upper
69 100
41 63.2 30.4 91.2



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





#49

Toluene

Concen: 1.883 ug/l

RT: 8.01 min Scan# 2073

Delta R.T. -0.00 min

Lab File: VU035553.D

Acq: 30 Oct 2019 11:28

Instrument :

MSVOA_U

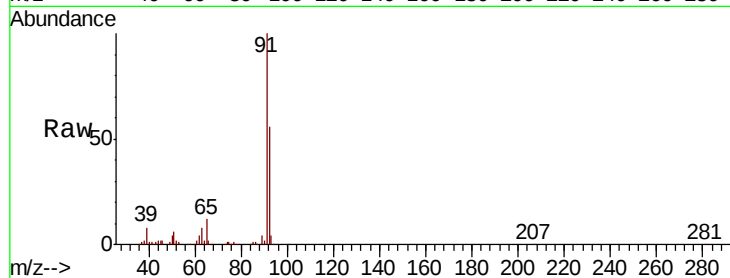
ClientSampleId :

Tot Ion: 92 Resp: 89627

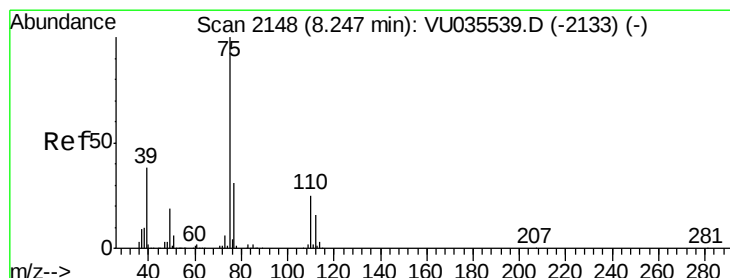
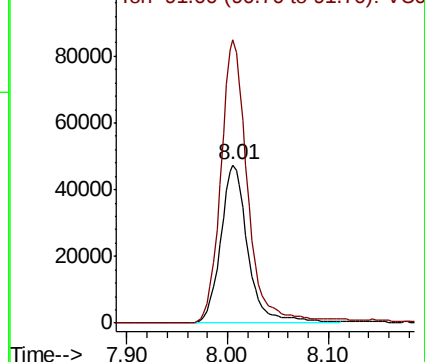
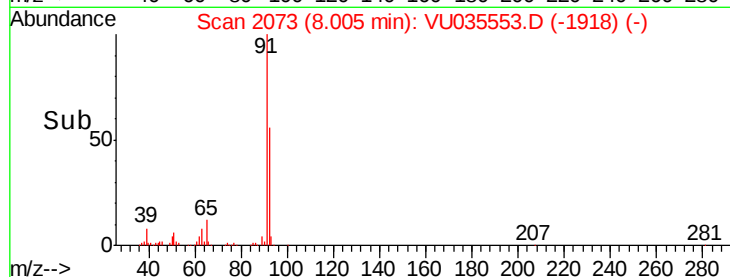
Ion Ratio Lower Upper

92 100

91 174.4 141.4 212.0



Abundance Ion 92.00 (91.70 to 92.70): VU035553.D (-1918) (-)



#50

t-1,3-Dichloropropene

Concen: 1.863 ug/l

RT: 8.25 min Scan# 2149

Delta R.T. 0.00 min

Lab File: VU035553.D

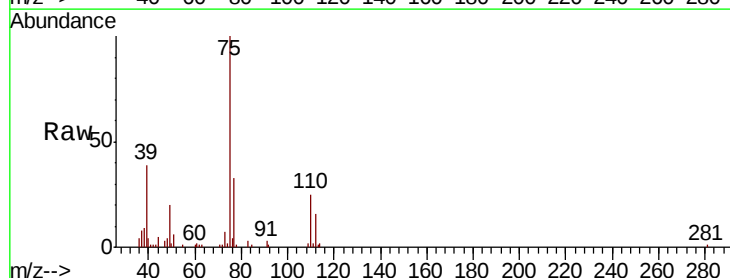
Acq: 30 Oct 2019 11:28

Tgt Ion: 75 Resp: 46611

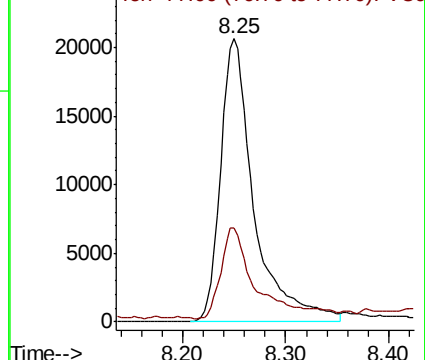
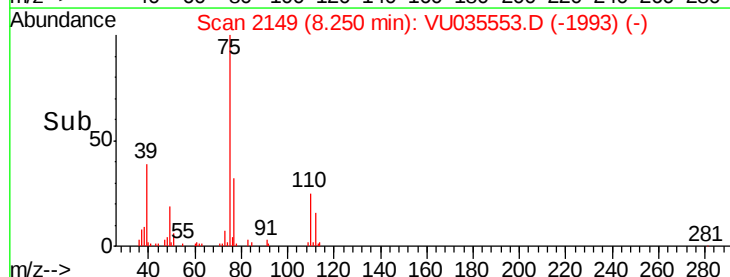
Ion Ratio Lower Upper

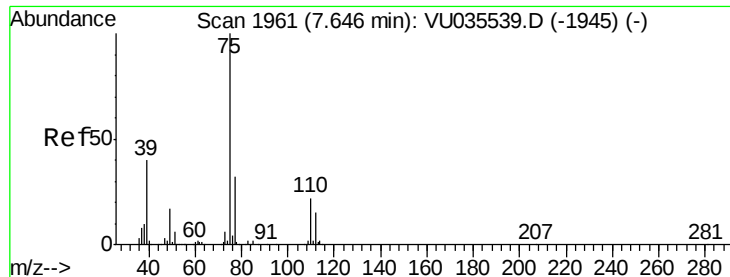
75 100

77 31.8 25.2 37.8



Abundance Ion 75.00 (74.70 to 75.70): VU035553.D (-1993) (-)



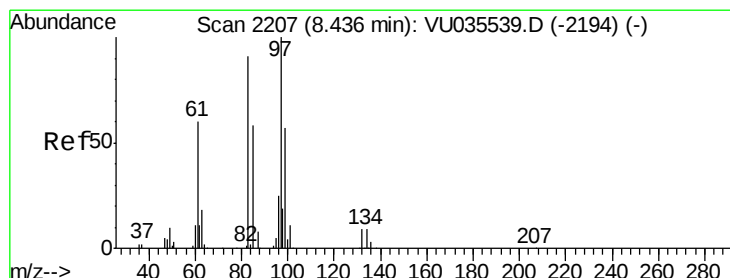
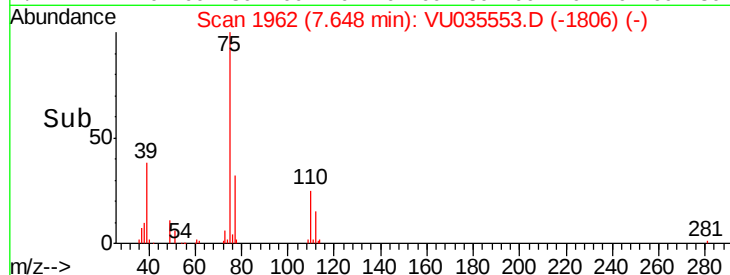
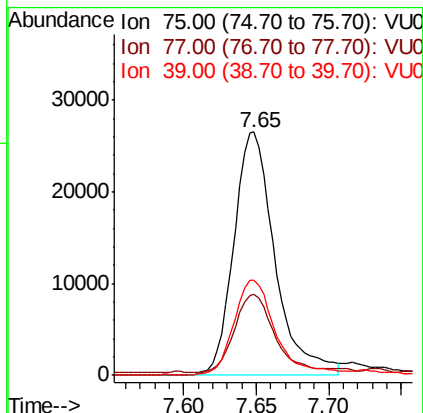
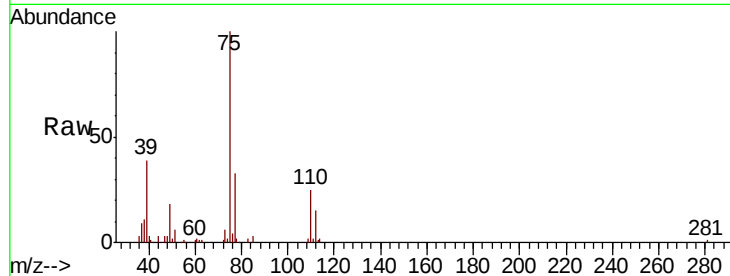


#51

cis-1,3-Dichloropropene
 Concen: 1.766 ug/l
 RT: 7.65 min Scan# 1962
 Delta R.T. 0.00 min
 Lab File: VU035553.D
 Acq: 30 Oct 2019 11:28

Instrument :
 MSVOA_U
 ClientSampleId :

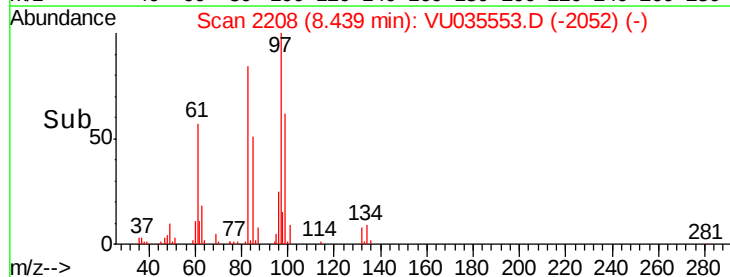
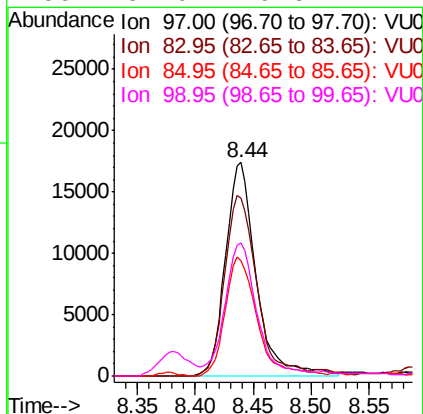
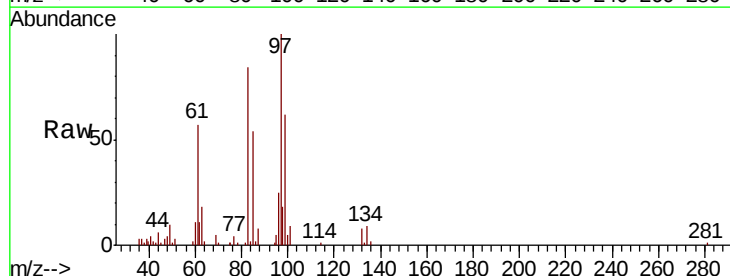
Tot Ion	Ratio	Lower	Upper
75	100		
77	31.8	25.2	37.8
39	39.0	32.1	48.1

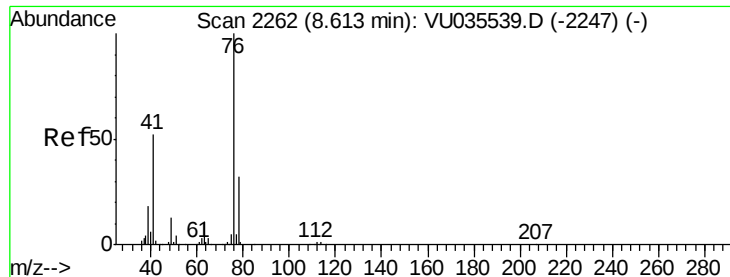


#52

1,1,2-Trichloroethane
 Concen: 1.999 ug/l
 RT: 8.44 min Scan# 2208
 Delta R.T. 0.00 min
 Lab File: VU035553.D
 Acq: 30 Oct 2019 11:28

Tgt Ion	Ratio	Lower	Upper
97	100		
83	83.5	72.6	108.8
85	54.0	46.4	69.6
99	61.0	49.6	74.4

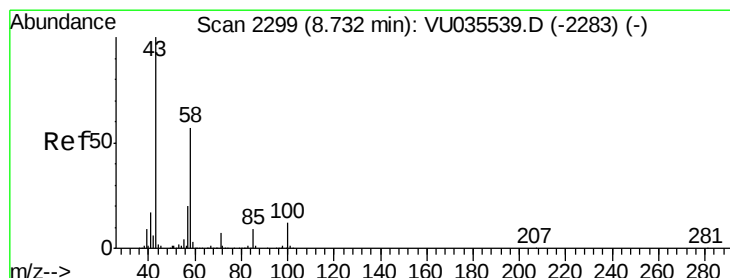
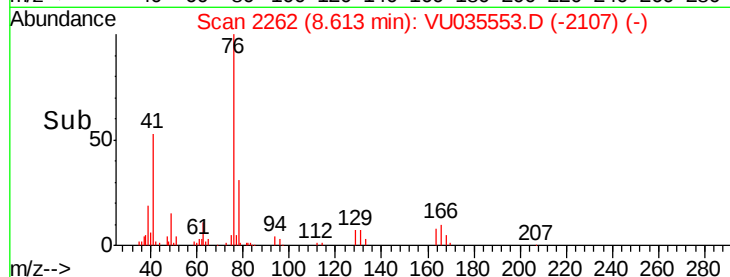
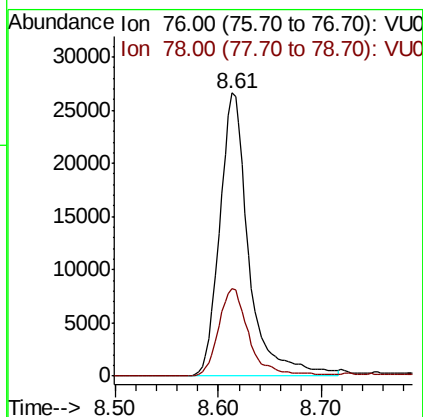
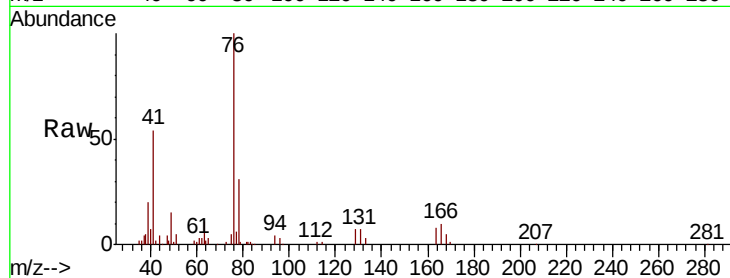




#53
 1,3-Dichloropropane
 Concen: 1.944 ug/l
 RT: 8.61 min Scan# 2262
 Delta R.T. -0.00 min
 Lab File: VU035553.D
 Acq: 30 Oct 2019 11:28

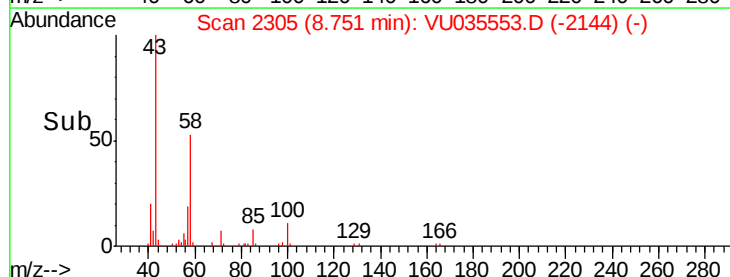
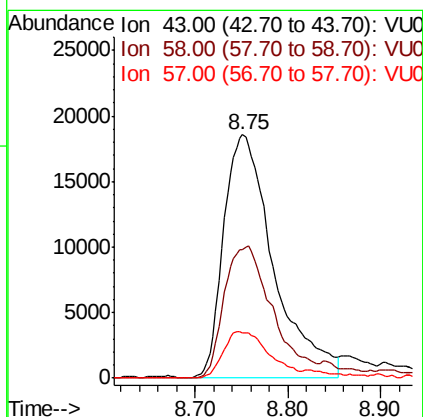
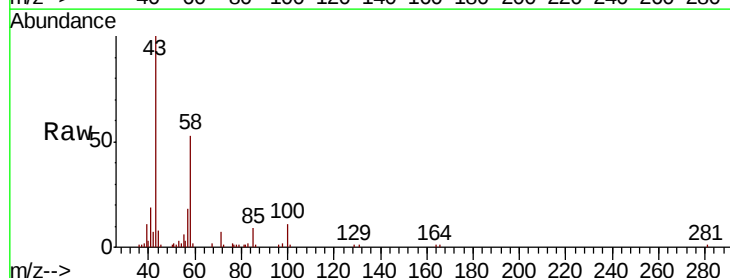
Instrument :
 MSVOA_U
 ClientSampleId :

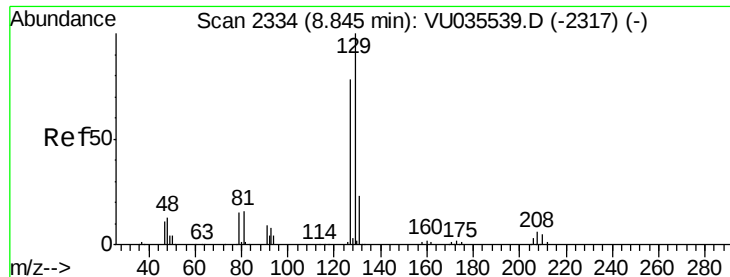
Tot Ion: 76 Resp: 52362
 Ion Ratio Lower Upper
 76 100
 78 32.4 25.6 38.4



#54
 2-Hexanone
 Concen: 8.107 ug/l
 RT: 8.75 min Scan# 2305
 Delta R.T. 0.02 min
 Lab File: VU035553.D
 Acq: 30 Oct 2019 11:28

Tgt Ion: 43 Resp: 69657
 Ion Ratio Lower Upper
 43 100
 58 52.4 37.2 77.2
 57 17.6 0.0 39.1





#55

Dibromochloromethane

Concen: 2.041 ug/l

RT: 8.84 min Scan# 2334

Delta R.T. -0.00 min

Lab File: VU035553.D

Acq: 30 Oct 2019 11:28

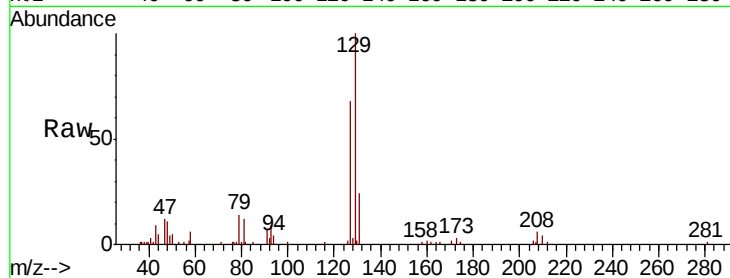
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion:129 Resp: 39589

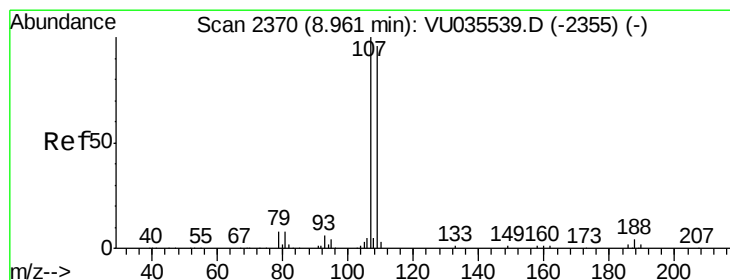
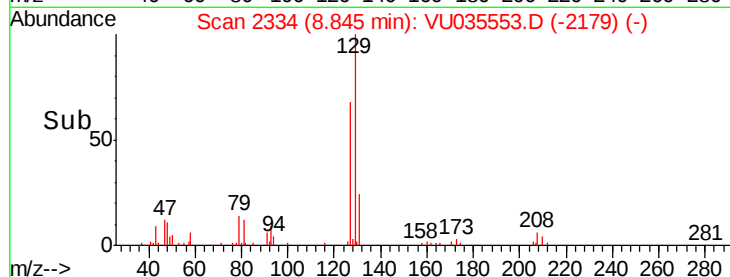
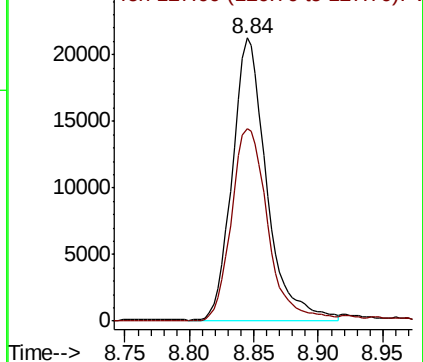
Ion Ratio Lower Upper

129 100

127 71.9 62.3 93.5



Abundance Ion 129.00 (128.70 to 129.70): V
Ion 127.00 (126.70 to 127.70): V



#56

1,2-Dibromoethane

Concen: 1.972 ug/l

RT: 8.96 min Scan# 2370

Delta R.T. -0.00 min

Lab File: VU035553.D

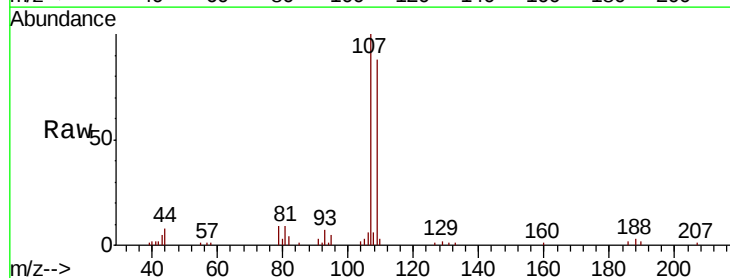
Acq: 30 Oct 2019 11:28

Tgt Ion:107 Resp: 28666

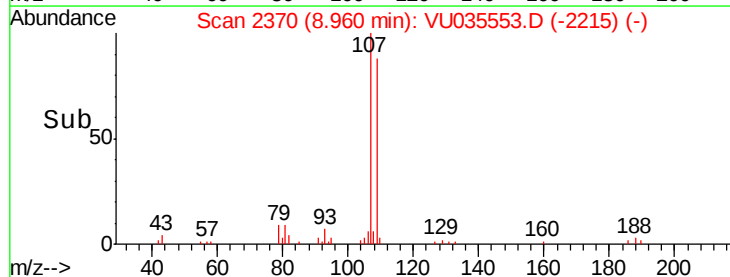
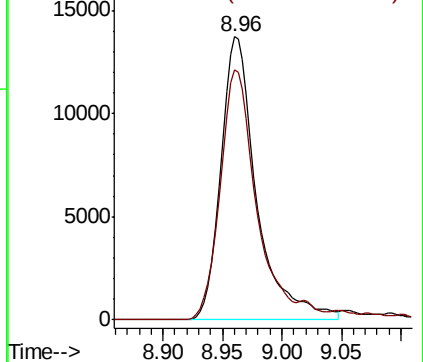
Ion Ratio Lower Upper

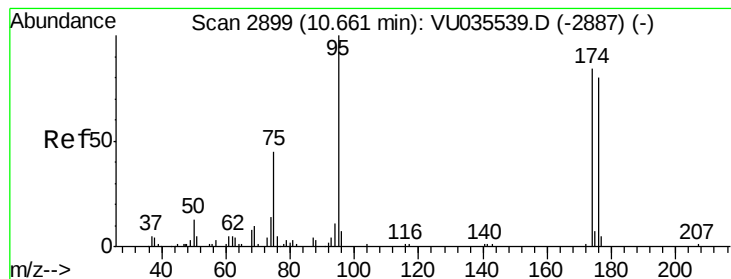
107 100

109 87.3 0.0 191.4



Abundance Ion 107.00 (106.70 to 107.70): V
Ion 109.00 (108.70 to 109.70): V





#57

4-Bromofluorobenzene

Concen: 0.993 ug/l

RT: 10.67 min Scan# 2901

Delta R.T. 0.01 min

Lab File: VU035553.D

Acq: 30 Oct 2019 11:28

Instrument :

MSVOA_U

ClientSampleId :

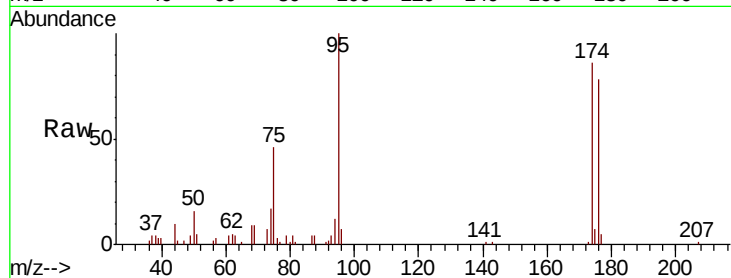
Tot Ion: 95 Resp: 24119

Ion Ratio Lower Upper

95 100

174 88.5 70.2 105.4

176 86.1 67.7 101.5

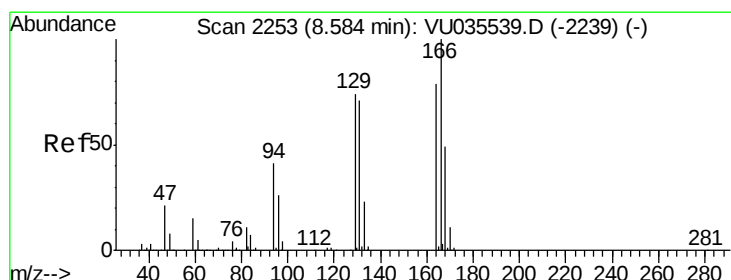
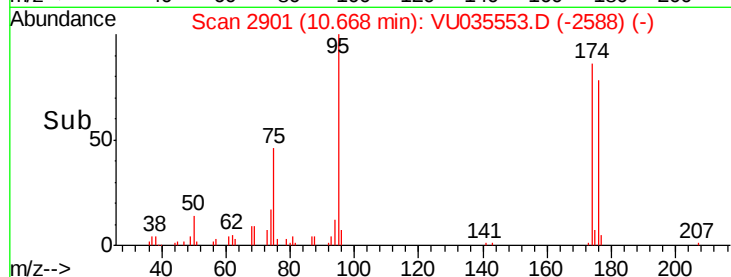
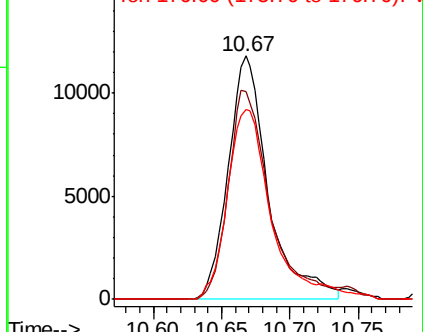


Abundance

Ion 95.00 (94.70 to 95.70): VU035553.D (-2887) (-)

Ion 174.00 (173.70 to 174.70): VU035553.D (-2887) (-)

Ion 176.00 (175.70 to 176.70): VU035553.D (-2887) (-)



#58

Tetrachloroethene

Concen: 1.981 ug/l

RT: 8.58 min Scan# 2253

Delta R.T. -0.00 min

Lab File: VU035553.D

Acq: 30 Oct 2019 11:28

Tgt Ion: 164 Resp: 41761

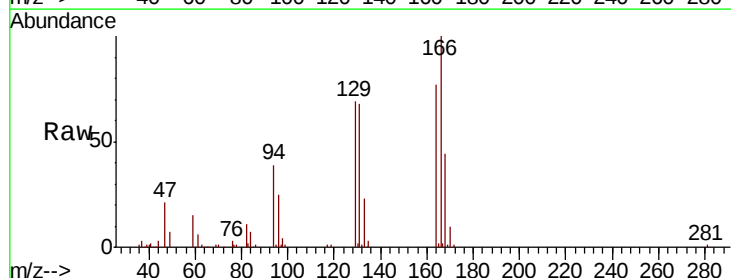
Ion Ratio Lower Upper

164 100

166 129.9 100.6 151.0

129 90.2 74.1 111.1

131 88.4 71.1 106.7



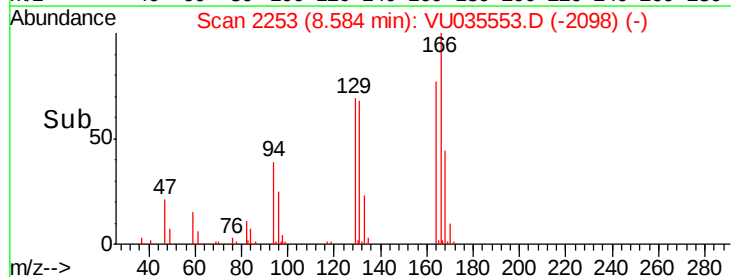
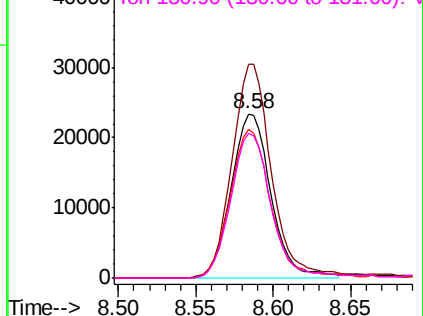
Abundance

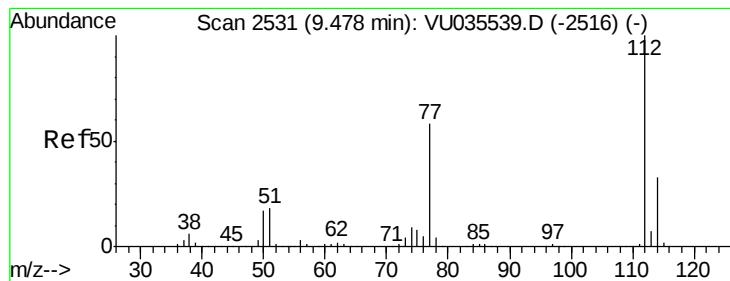
Ion 163.85 (163.55 to 164.55): VU035539.D (-2239) (-)

Ion 165.80 (165.50 to 166.50): VU035539.D (-2239) (-)

Ion 128.90 (128.60 to 129.60): VU035539.D (-2239) (-)

Ion 130.90 (130.60 to 131.60): VU035539.D (-2239) (-)





#59

Chlorobenzene

Concen: 1.914 ug/l

RT: 9.48 min Scan# 2532

Delta R.T. 0.00 min

Lab File: VU035553.D

Acq: 30 Oct 2019 11:28

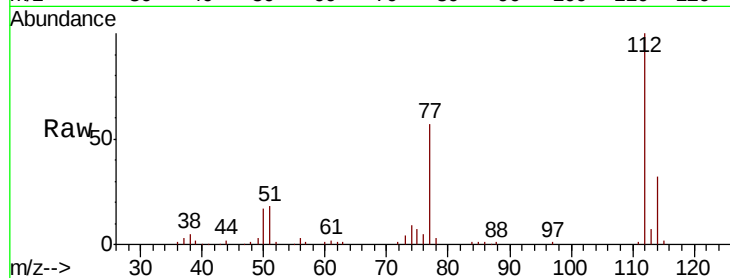
Instrument :
MSVOA_U
ClientSampled :

Tot Ion:112 Resp: 105042

Ion Ratio Lower Upper

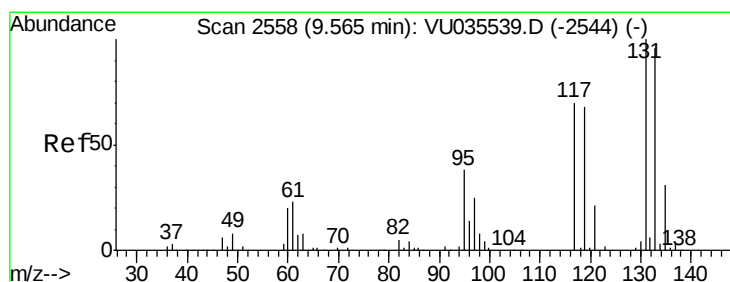
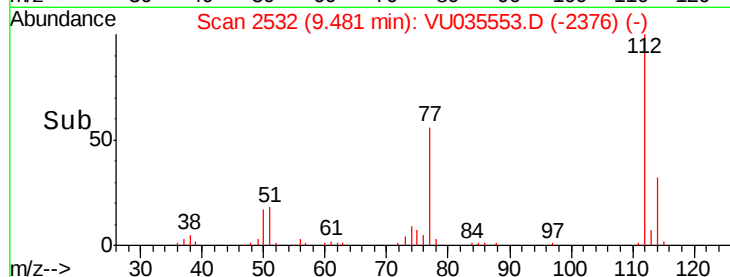
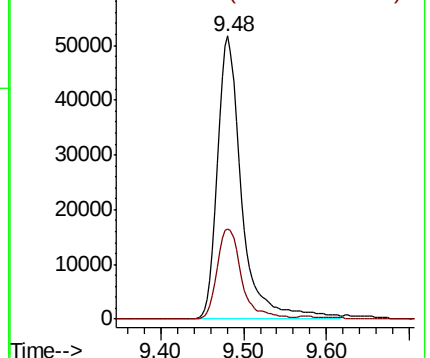
112 100

114 31.9 26.5 39.7



Abundance Ion 112.00 (111.70 to 112.70): V

Ion 114.00 (113.70 to 114.70): V



#60

1,1,1,2-Tetrachloroethane

Concen: 2.047 ug/l

RT: 9.56 min Scan# 2558

Delta R.T. -0.00 min

Lab File: VU035553.D

Acq: 30 Oct 2019 11:28

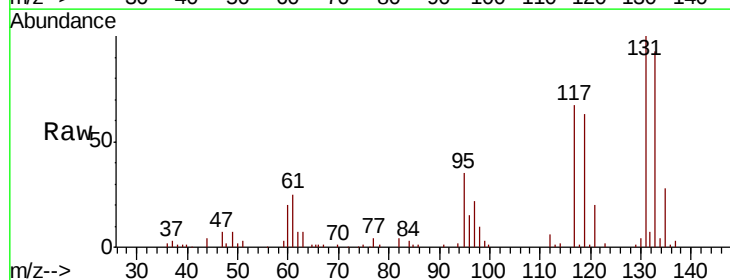
Tgt Ion:131 Resp: 43202

Ion Ratio Lower Upper

131 100

133 94.2 76.9 115.3

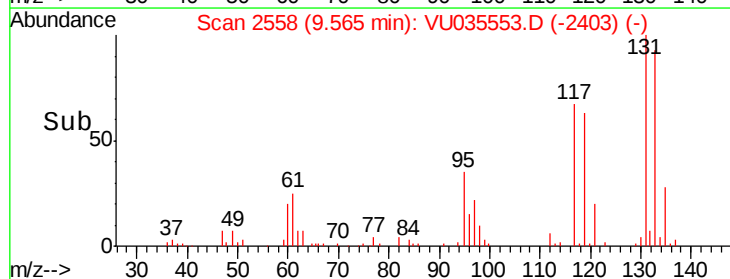
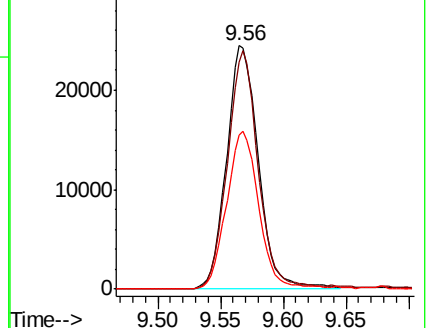
119 65.4 53.6 80.4

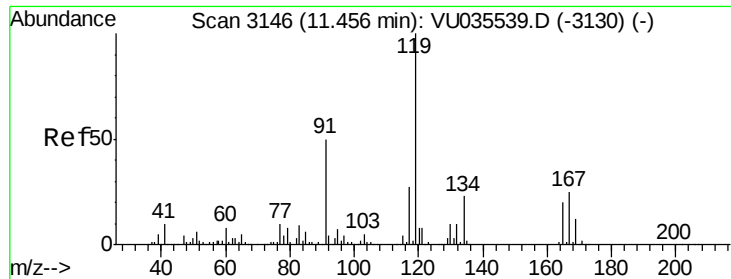


Abundance Ion 131.00 (130.70 to 131.70): V

Ion 133.00 (132.70 to 133.70): V

Ion 119.00 (118.70 to 119.70): V

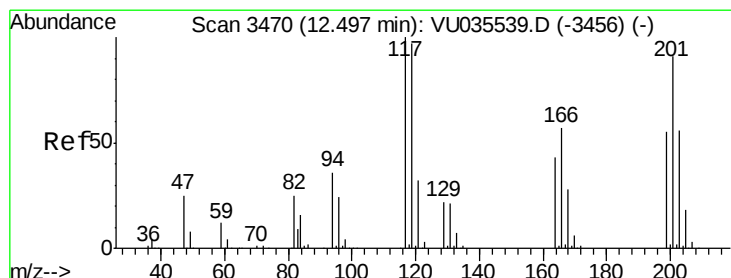
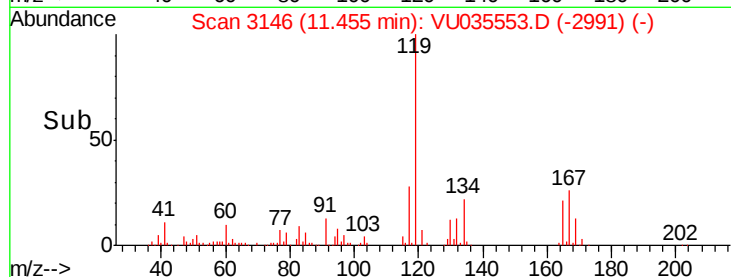
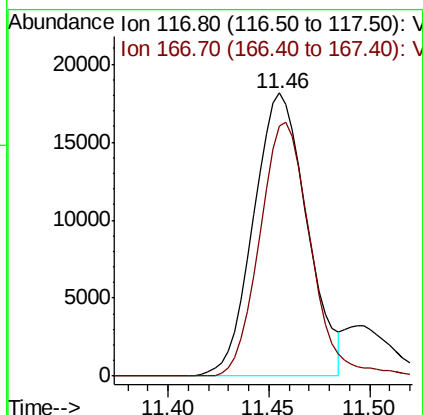
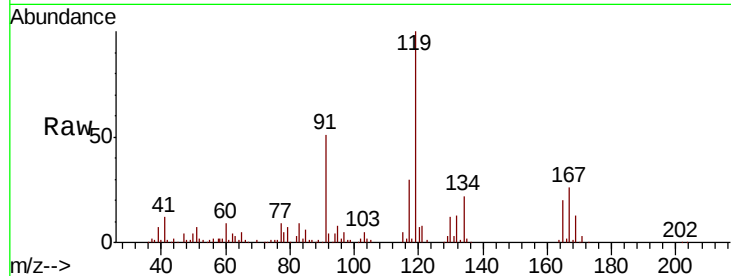




#61
Pentachloroethane
Concen: 1.947 ug/l
RT: 11.46 min Scan# 3146
Delta R.T. -0.00 min
Lab File: VU035553.D
Acq: 30 Oct 2019 11:28

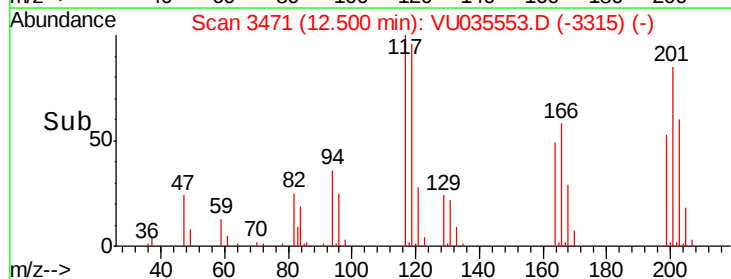
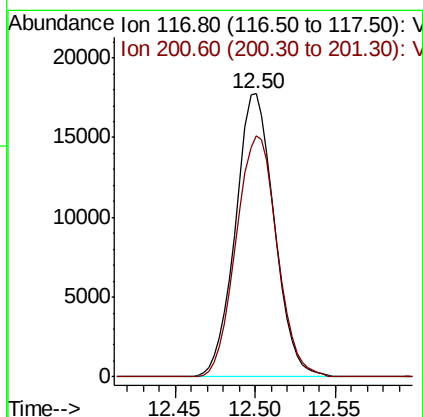
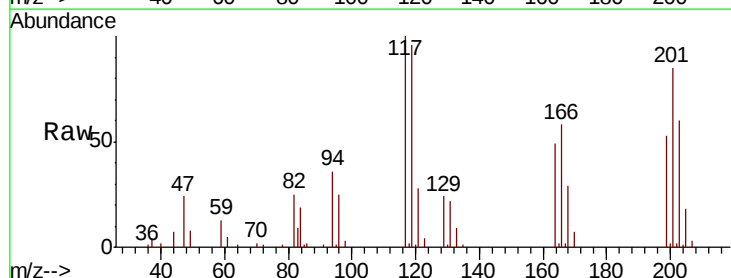
Instrument :
MSVOA_U
ClientSampled :

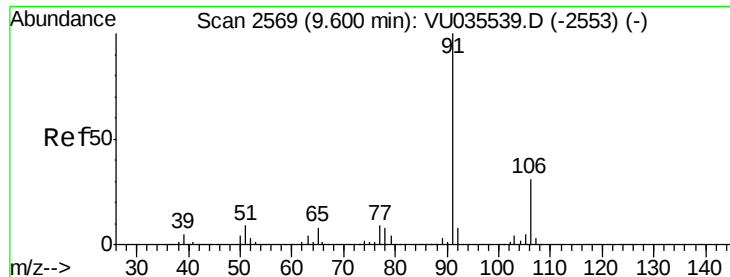
Tot Ion:117 Resp: 33489
Ion Ratio Lower Upper
117 100
167 84.9 69.8 104.6



#62
Hexachloroethane
Concen: 1.871 ug/l
RT: 12.50 min Scan# 3471
Delta R.T. 0.00 min
Lab File: VU035553.D
Acq: 30 Oct 2019 11:28

Tgt Ion:117 Resp: 29391
Ion Ratio Lower Upper
117 100
201 89.9 71.8 107.8

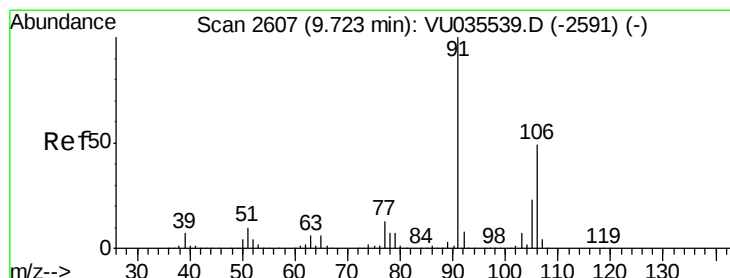
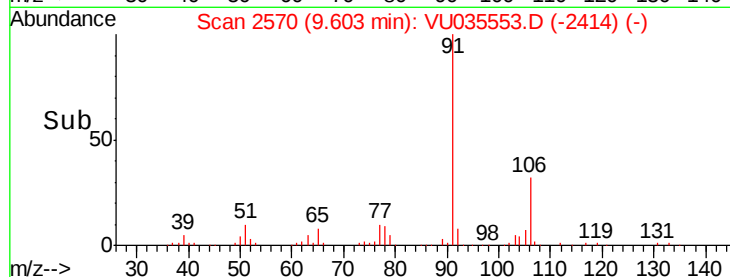
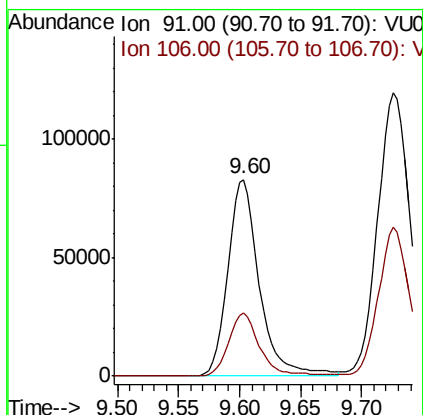
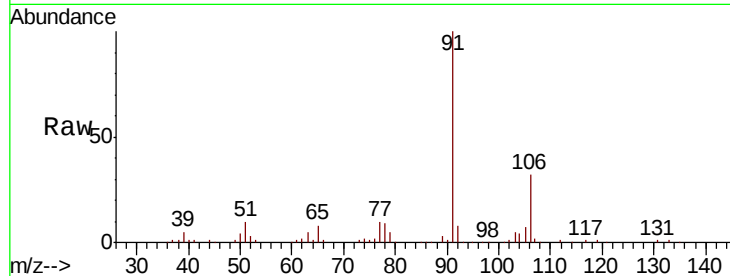




#63
Ethyl Benzene
Concen: 1.757 ug/l
RT: 9.60 min Scan# 2570
Delta R.T. 0.00 min
Lab File: VU035553.D
Acq: 30 Oct 2019 11:28

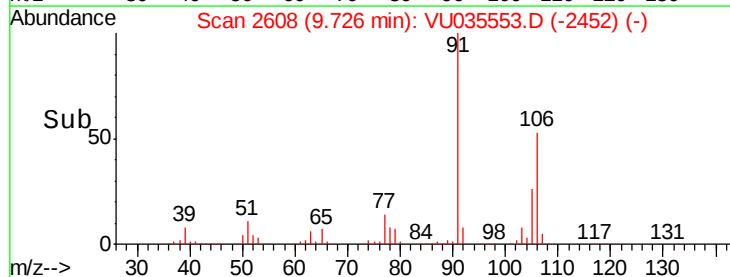
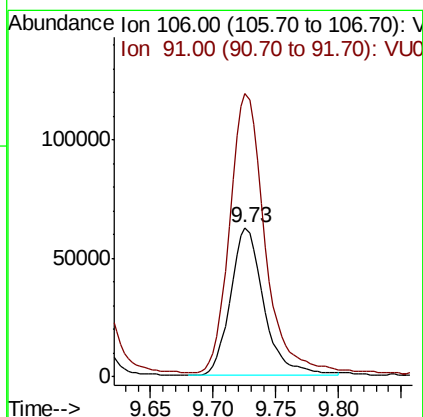
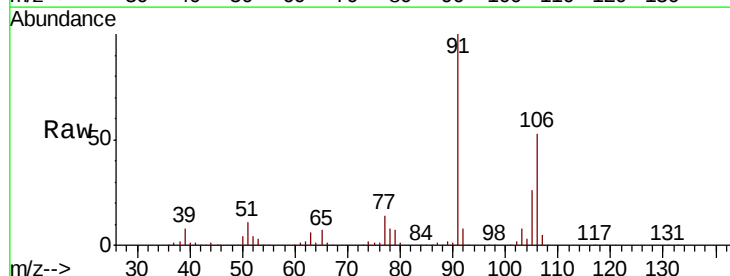
Instrument :
MSVOA_U
ClientSampleId :

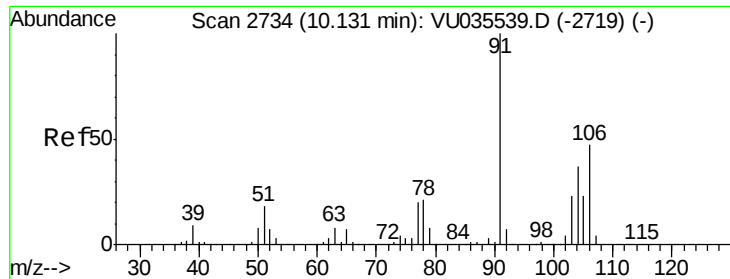
Tot Ion: 91 Resp: 149778
Ion Ratio Lower Upper
91 100
106 32.2 25.2 37.8



#64
m/p-Xylenes
Concen: 3.421 ug/l
RT: 9.73 min Scan# 2608
Delta R.T. 0.00 min
Lab File: VU035553.D
Acq: 30 Oct 2019 11:28

Tgt Ion: 106 Resp: 115149
Ion Ratio Lower Upper
106 100
91 204.7 81.0 121.4#

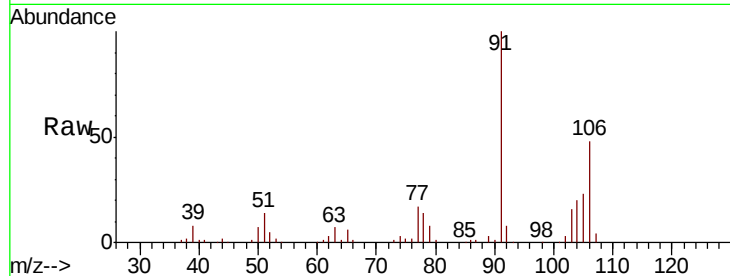




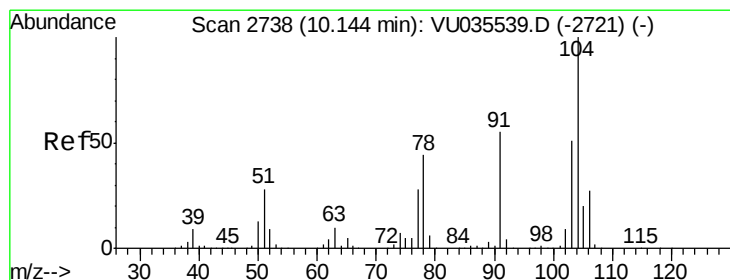
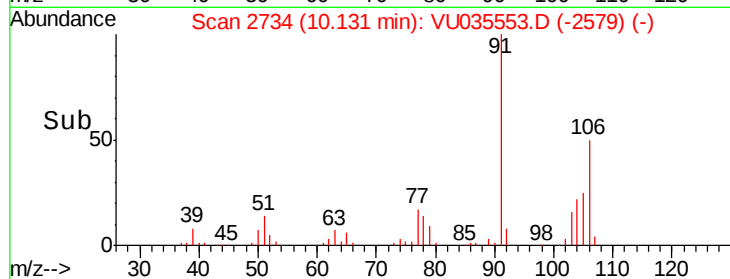
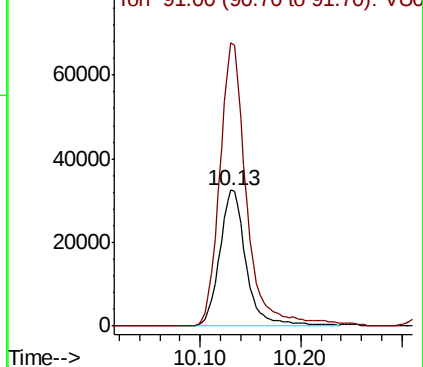
#65
o-Xylene
Concen: 1.837 ug/l
RT: 10.13 min Scan# 2734
Delta R.T. -0.00 min
Lab File: VU035553.D
Acq: 30 Oct 2019 11:28

Instrument :
MSVOA_U
ClientSampled :

Tot Ion:106 Resp: 59737
Ion Ratio Lower Upper
106 100
91 210.9 107.1 321.1

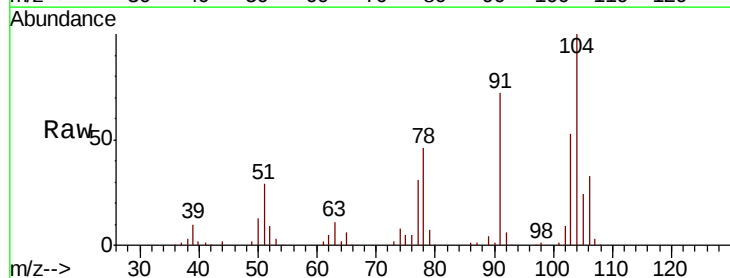


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VU0

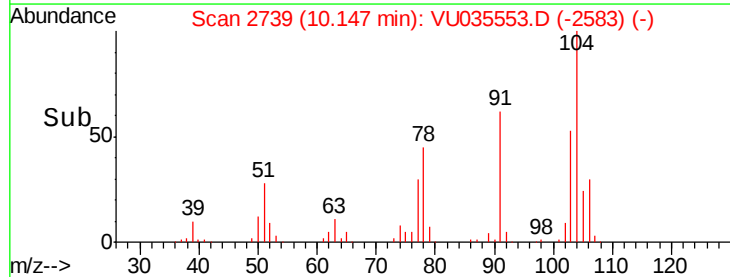
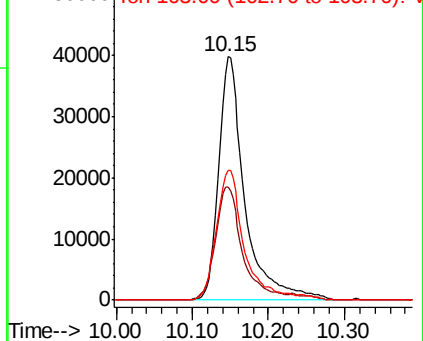


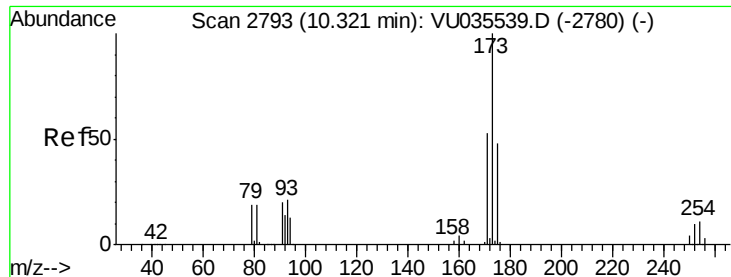
#66
Styrene
Concen: 1.765 ug/l
RT: 10.15 min Scan# 2739
Delta R.T. 0.00 min
Lab File: VU035553.D
Acq: 30 Oct 2019 11:28

Tgt Ion:104 Resp: 95040
Ion Ratio Lower Upper
104 100
78 48.1 38.6 58.0
103 56.5 43.6 65.4



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





#67

Bromoform

Concen: 1.946 ug/l

RT: 10.32 min Scan# 2794

Delta R.T. 0.00 min

Lab File: VU035553.D

Acq: 30 Oct 2019 11:28

Instrument :

MSVOA_U

ClientSampleId :

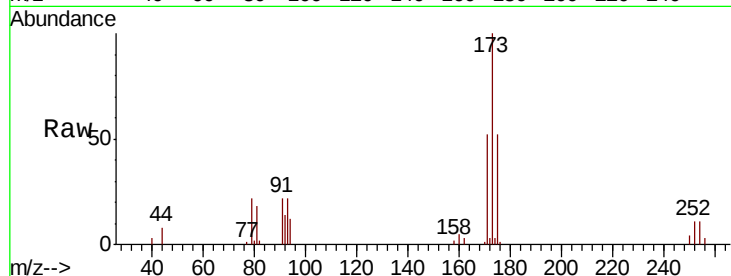
Tot Ion:173 Resp: 23423

Ion Ratio Lower Upper

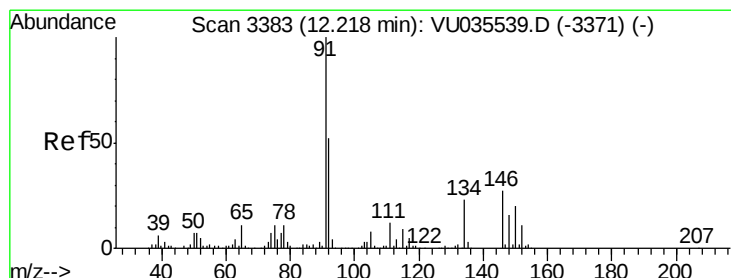
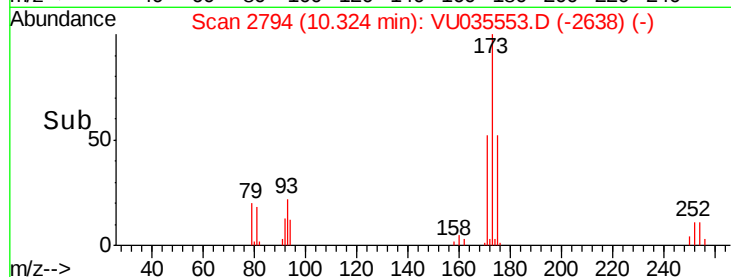
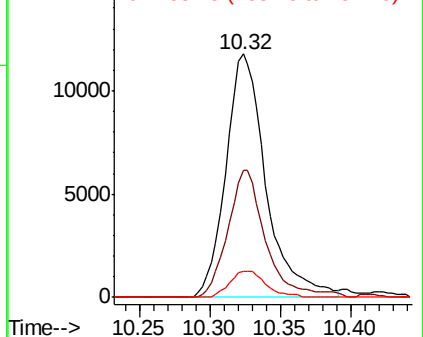
173 100

175 48.2 38.7 58.1

254 9.7 8.2 12.2



Abundance Ion 172.90 (172.60 to 173.60): V
Ion 174.90 (174.60 to 175.60): V
Ion 253.75 (253.45 to 254.45): V



#68

1,2-Dichlorobenzene-d4

Concen: 0.937 ug/l

RT: 12.22 min Scan# 3385

Delta R.T. 0.01 min

Lab File: VU035553.D

Acq: 30 Oct 2019 11:28

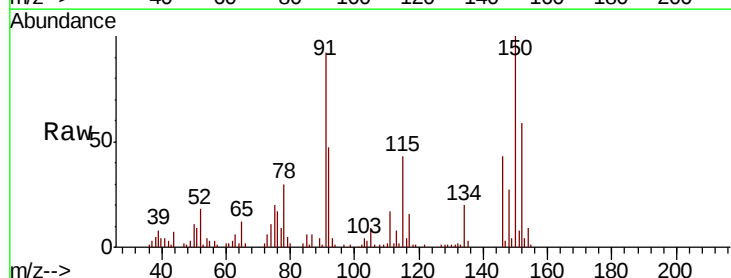
Tgt Ion:152 Resp: 24198

Ion Ratio Lower Upper

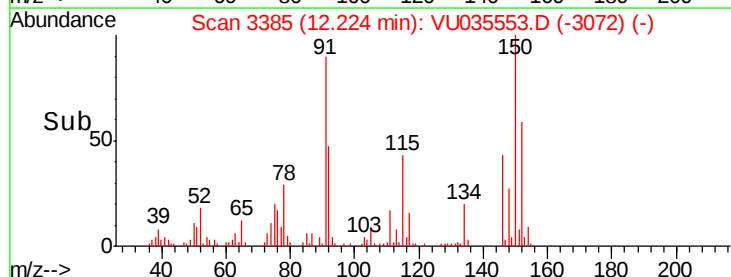
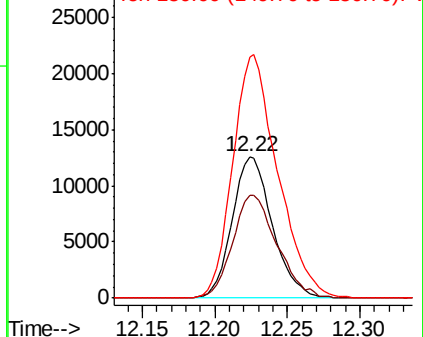
152 100

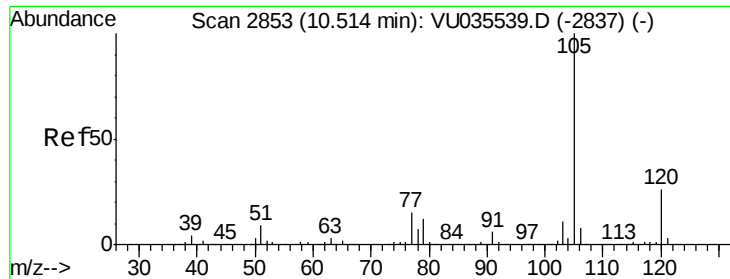
115 80.1 0.0 250.6

150 192.4 0.0 656.8



Abundance Ion 152.00 (151.70 to 152.70): V
Ion 115.00 (114.70 to 115.70): V
Ion 150.00 (149.70 to 150.70): V





#69

Isopropylbenzene

Concen: 1.761 ug/l

RT: 10.51 min Scan# 2853

Delta R.T. -0.00 min

Lab File: VU035553.D

Acq: 30 Oct 2019 11:28

Instrument :

MSVOA_U

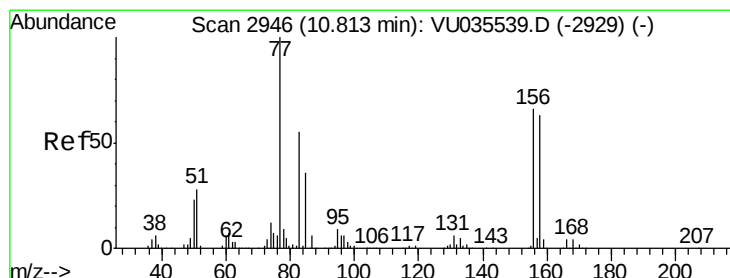
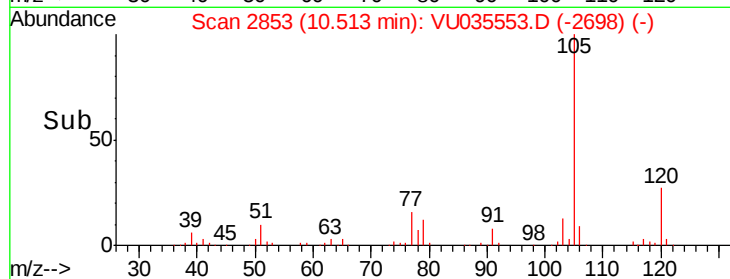
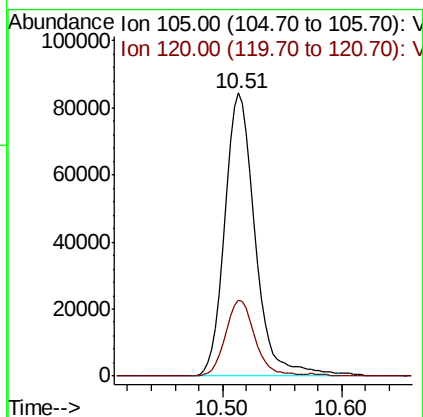
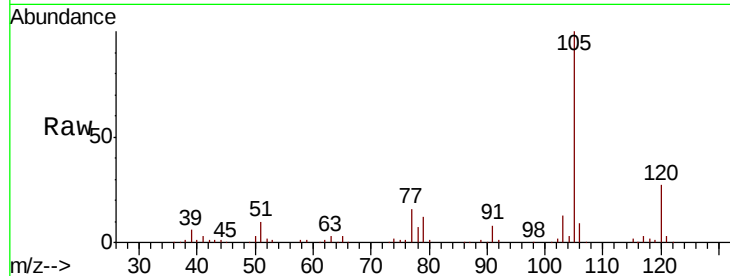
ClientSampled :

Tot Ion:105 Resp: 149333

Ion Ratio Lower Upper

105 100

120 26.0 13.2 39.5



#70

1,1,2,2-Tetrachloroethane

Concen: 1.985 ug/l

RT: 10.81 min Scan# 2946

Delta R.T. -0.00 min

Lab File: VU035553.D

Acq: 30 Oct 2019 11:28

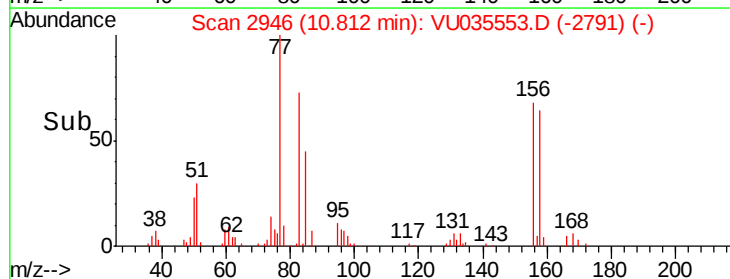
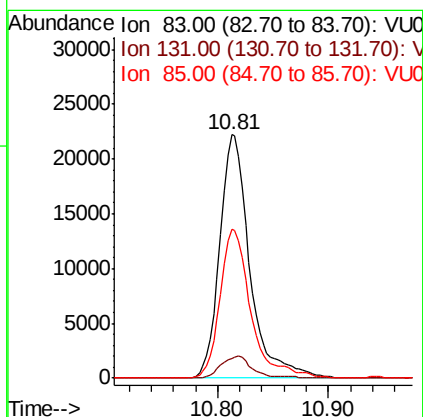
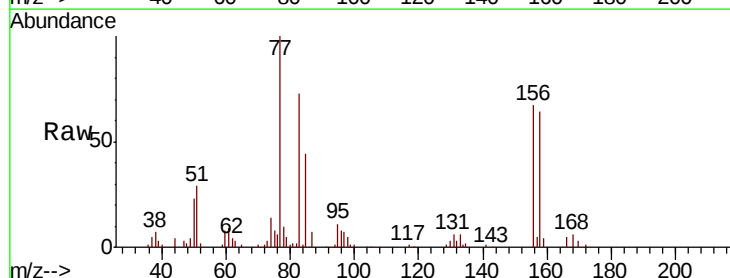
Tgt Ion: 83 Resp: 42050

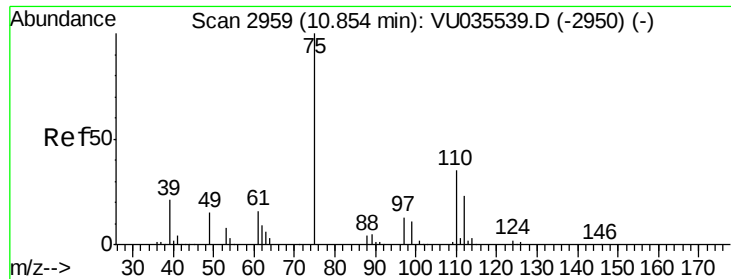
Ion Ratio Lower Upper

83 100

131 9.0 0.0 0.0#

85 62.6 33.5 50.3#

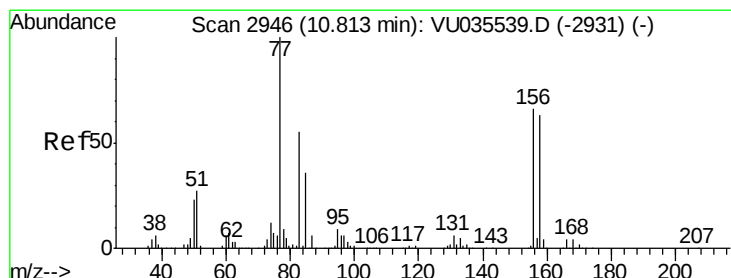
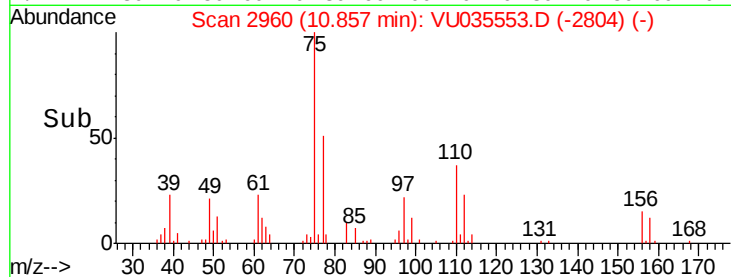
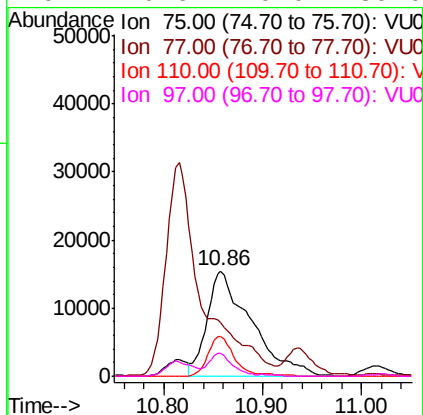
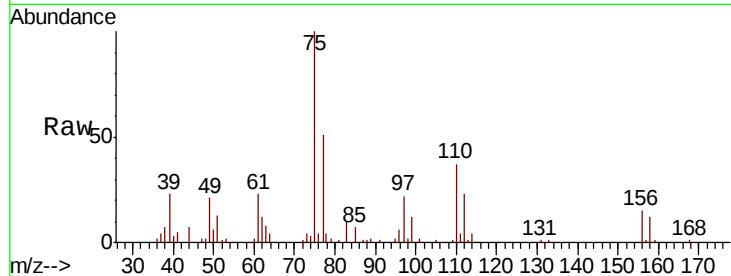




#71
 1,2,3-Trichloropropane
 Concen: 3.011 ug/l
 RT: 10.86 min Scan# 2960
 Delta R.T. 0.00 min
 Lab File: VU035553.D
 Acq: 30 Oct 2019 11:28

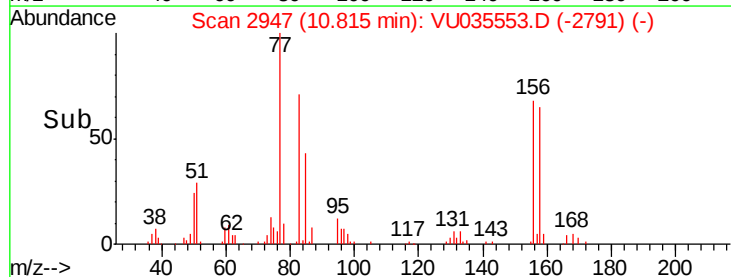
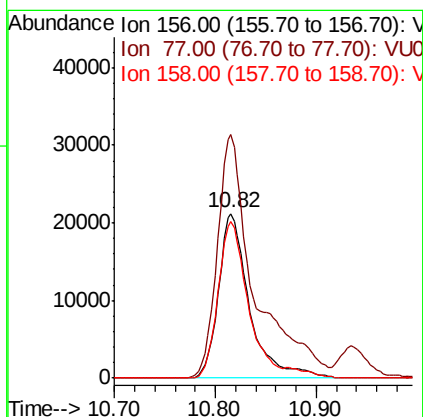
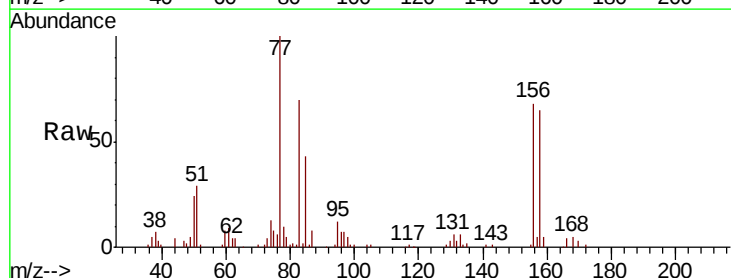
Instrument :
 MSVOA_U
 ClientSampled :

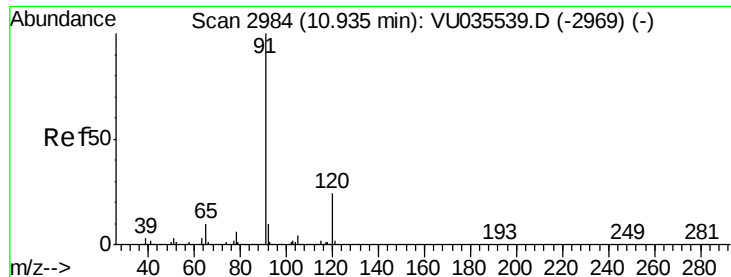
Tot Ion:	75	Resp:	47905
Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	68.6
110	21.9	0.0	77.2
97	10.6	0.0	39.0



#72
 Bromobenzene
 Concen: 1.917 ug/l
 RT: 10.82 min Scan# 2947
 Delta R.T. 0.00 min
 Lab File: VU035553.D
 Acq: 30 Oct 2019 11:28

Tgt Ion:	156	Resp:	45285
Ion	Ratio	Lower	Upper
156	100		
77	179.4	0.0	300.4
158	96.3	0.0	194.4





#73

n-propylbenzene

Concen: 1.678 ug/l

RT: 10.94 min Scan# 2985

Delta R.T. 0.00 min

Lab File: VU035553.D

Acq: 30 Oct 2019 11:28

Instrument :

MSVOA_U

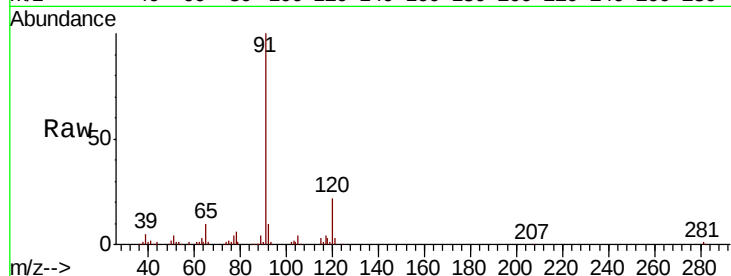
ClientSampled :

Tot Ion:120 Resp: 39748

Ion Ratio Lower Upper

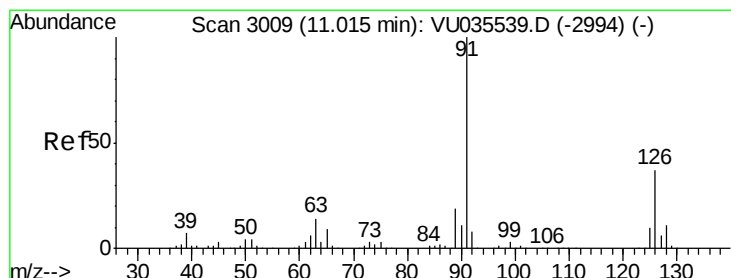
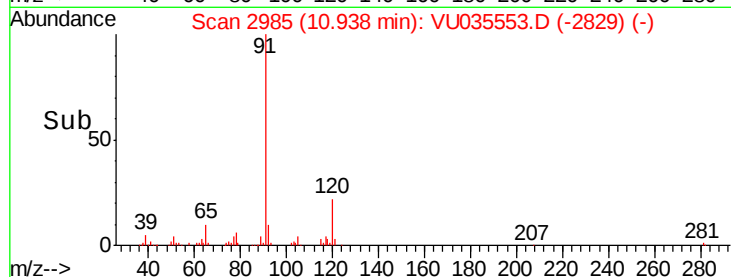
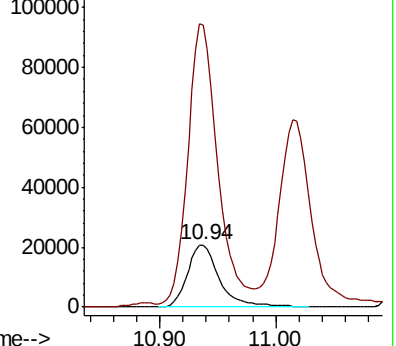
120 100

91 420.6 340.6 510.8



Abundance Ion 120.00 (119.70 to 120.70): V

Ion 91.00 (90.70 to 91.70): VU0



#74

2-Chlorotoluene

Concen: 1.829 ug/l

RT: 11.01 min Scan# 3009

Delta R.T. -0.00 min

Lab File: VU035553.D

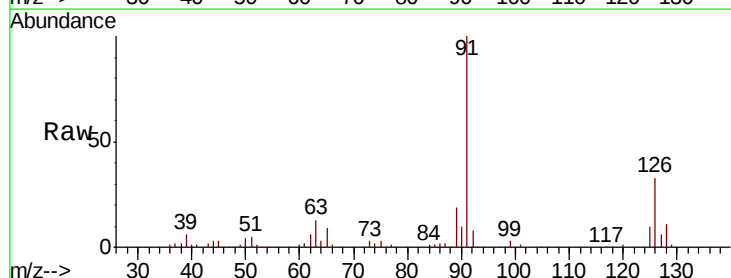
Acq: 30 Oct 2019 11:28

Tgt Ion:126 Resp: 40620

Ion Ratio Lower Upper

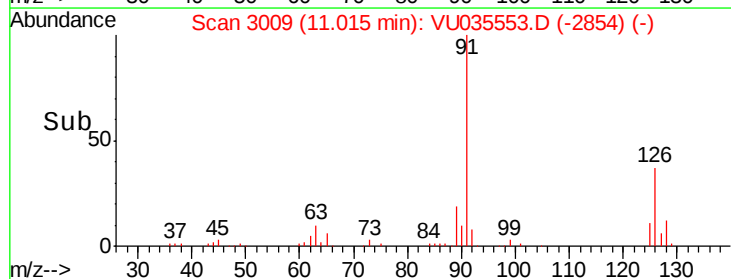
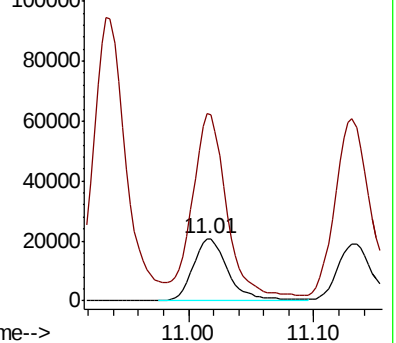
126 100

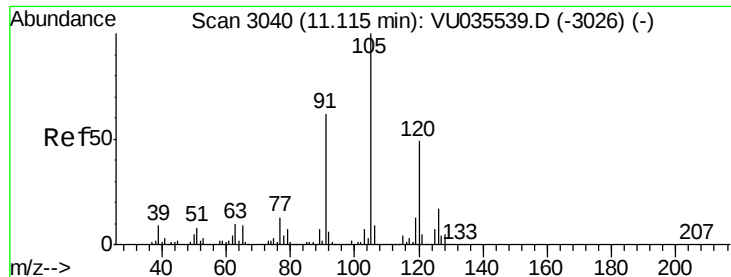
91 293.5 0.0 574.2



Abundance Ion 126.00 (125.70 to 126.70): V

Ion 91.00 (90.70 to 91.70): VU0





#75

1,3,5-Trimethylbenzene

Concen: 1.673 ug/l

RT: 11.12 min Scan# 3041

Delta R.T. 0.00 min

Lab File: VU035553.D

Acq: 30 Oct 2019 11:28

Instrument :

MSVOA_U

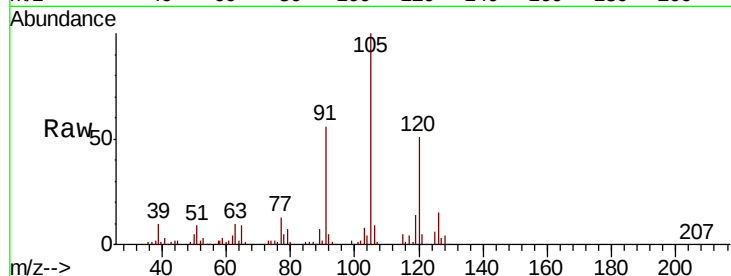
ClientSampleId :

Tot Ion:105 Resp: 116892

Ion Ratio Lower Upper

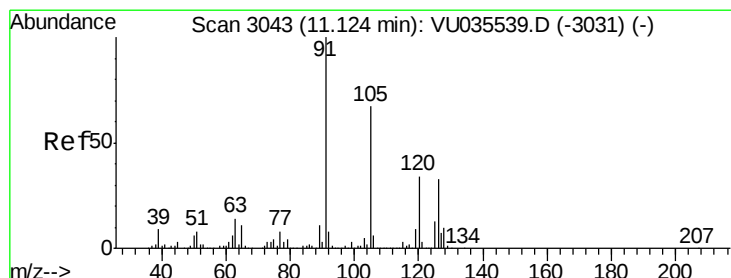
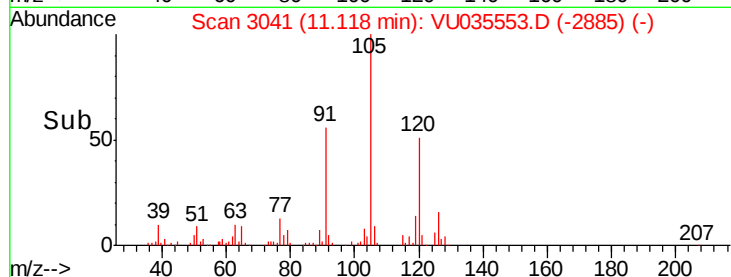
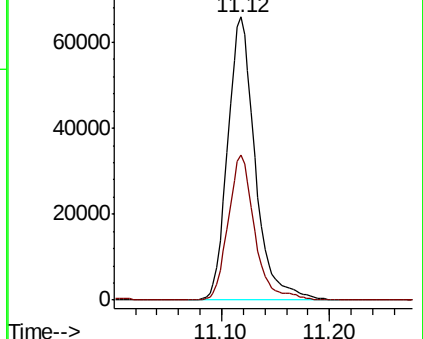
105 100

120 49.6 39.4 59.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#76

4-Chlorotoluene

Concen: 1.761 ug/l

RT: 11.13 min Scan# 3046

Delta R.T. 0.01 min

Lab File: VU035553.D

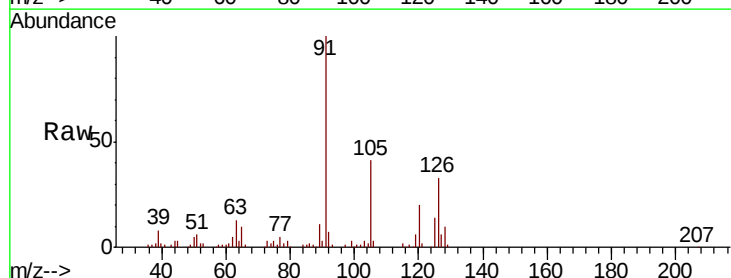
Acq: 30 Oct 2019 11:28

Tgt Ion:126 Resp: 39712

Ion Ratio Lower Upper

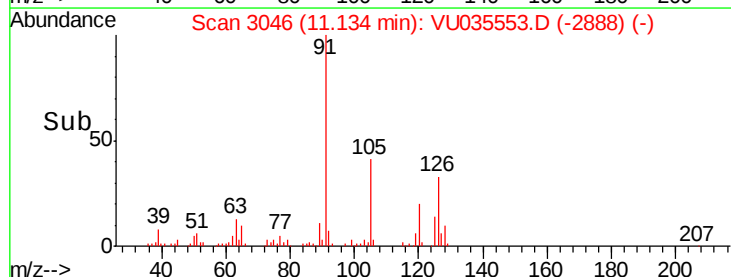
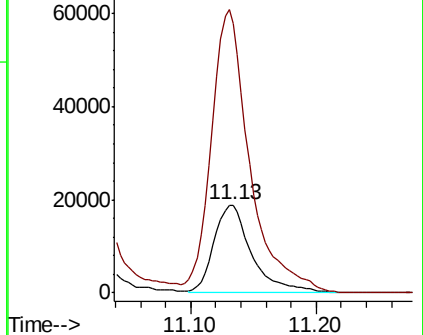
126 100

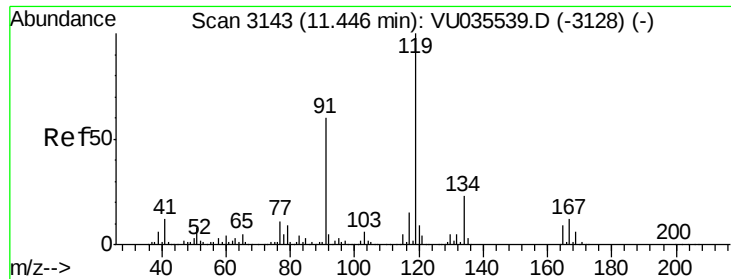
91 327.2 0.0 637.0



Abundance Ion 126.00 (125.70 to 126.70): V

Ion 91.00 (90.70 to 91.70): VU0

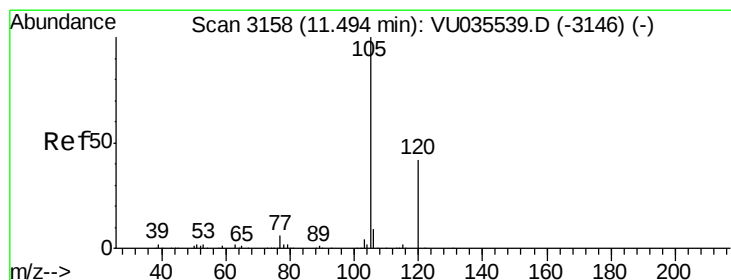
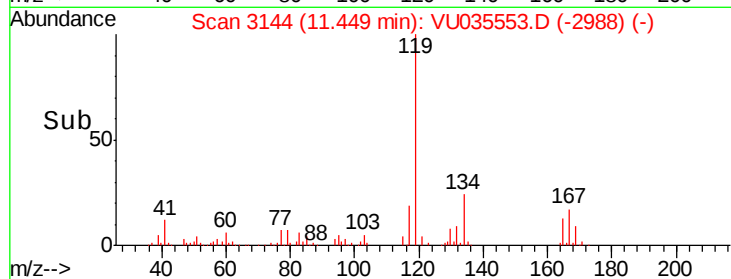
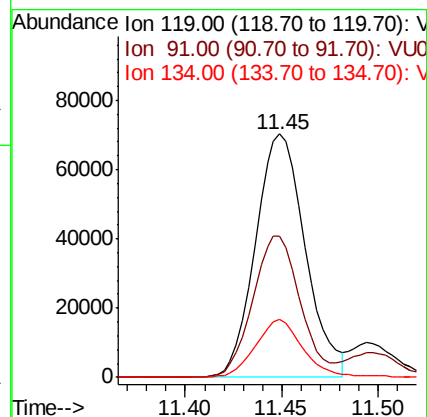
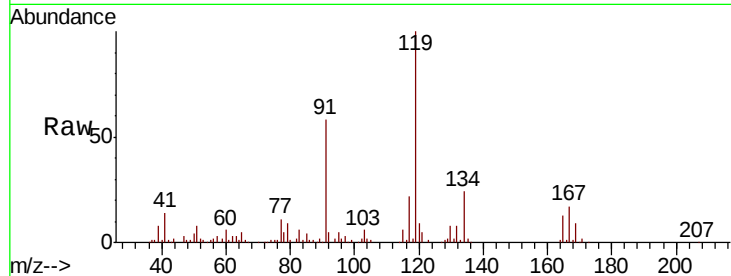




#77
tert-Butylbenzene
Concen: 1.757 ug/l
RT: 11.45 min Scan# 3144
Delta R.T. 0.00 min
Lab File: VU035553.D
Acq: 30 Oct 2019 11:28

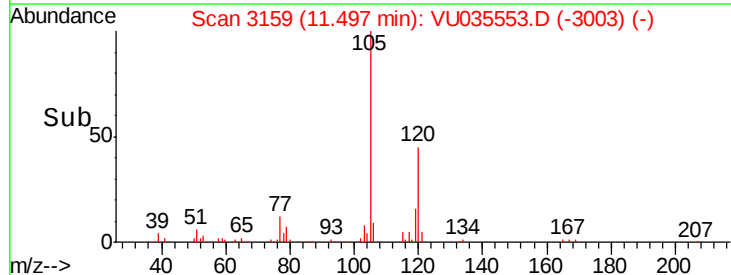
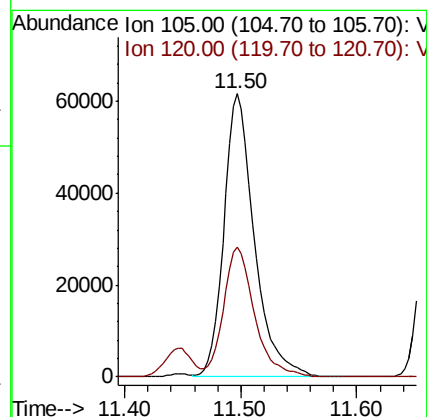
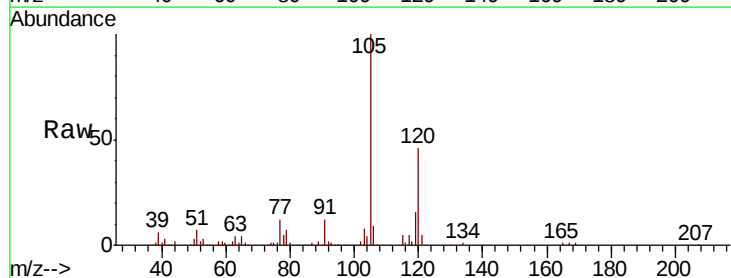
Instrument :
MSVOA_U
ClientSampled :

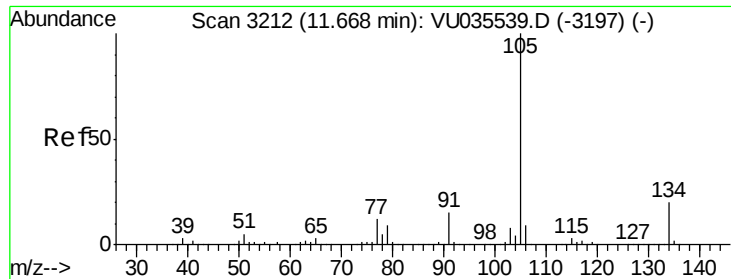
Tot Ion:119 Resp: 125895
Ion Ratio Lower Upper
119 100
91 55.5 27.9 83.7
134 22.9 18.3 27.5



#78
1,2,4-Trimethylbenzene
Concen: 1.581 ug/l
RT: 11.50 min Scan# 3159
Delta R.T. 0.00 min
Lab File: VU035553.D
Acq: 30 Oct 2019 11:28

Tgt Ion:105 Resp: 111821
Ion Ratio Lower Upper
105 100
120 46.5 23.2 69.5





#79

sec-Butylbenzene

Concen: 1.648 ug/l

RT: 11.67 min Scan# 3213

Delta R.T. 0.00 min

Lab File: VU035553.D

Acq: 30 Oct 2019 11:28

Instrument :

MSVOA_U

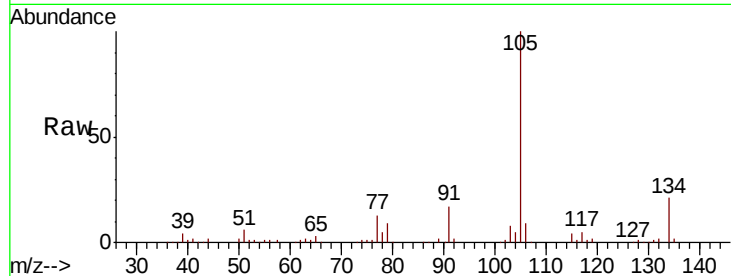
ClientSampled :

Tot Ion:105 Resp: 151118

Ion Ratio Lower Upper

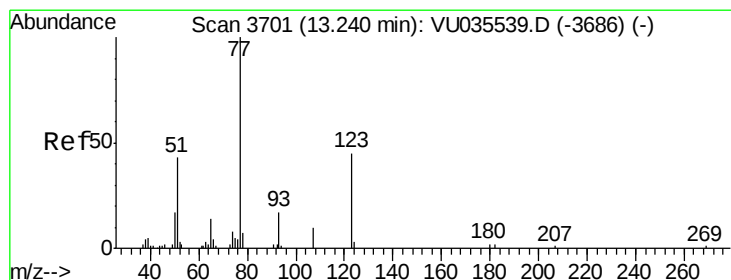
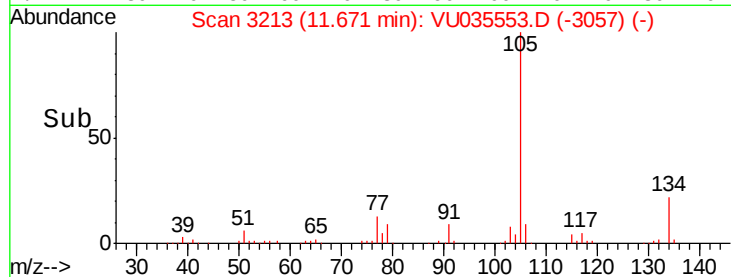
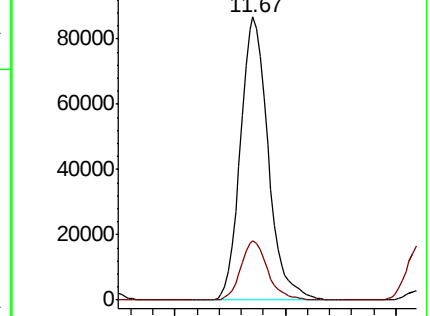
105 100

134 20.4 15.9 23.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#80

Nitrobenzene

Concen: 3.963 ug/l

RT: 13.24 min Scan# 3702

Delta R.T. 0.00 min

Lab File: VU035553.D

Acq: 30 Oct 2019 11:28

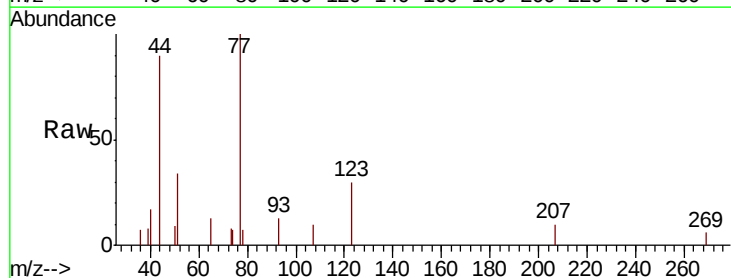
Tgt Ion: 77 Resp: 2814

Ion Ratio Lower Upper

77 100

123 36.7 18.9 67.1

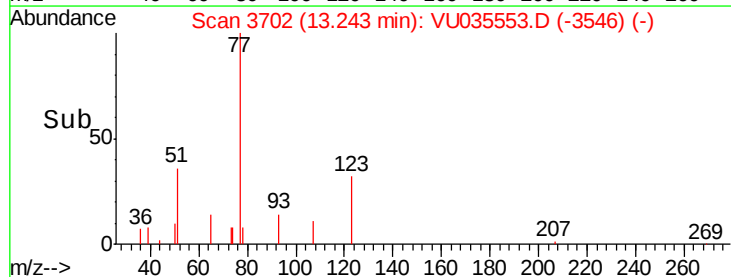
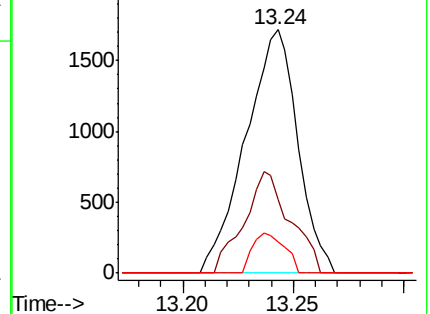
65 10.2 11.2 14.2#

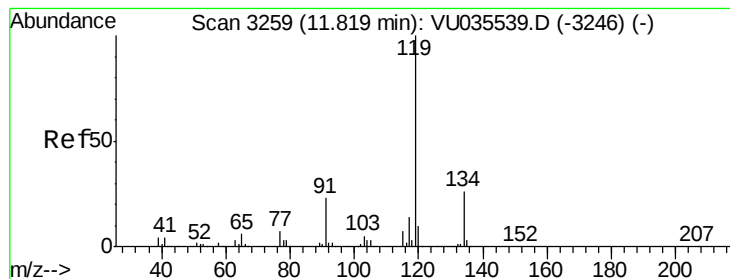


Abundance Ion 77.00 (76.70 to 77.70): VU0

Ion 123.00 (122.70 to 123.70): V

Ion 65.00 (64.70 to 65.70): VU0





#81

p-Isopropyltoluene

Concen: 1.522 ug/l

RT: 11.82 min Scan# 3260

Delta R.T. 0.00 min

Lab File: VU035553.D

Acq: 30 Oct 2019 11:28

Instrument :

MSVOA_U

ClientSampleId :

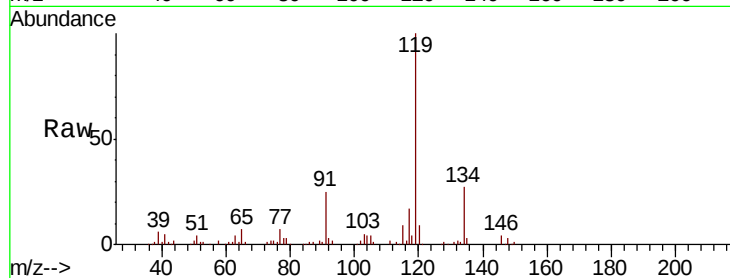
Tot Ion:119 Resp: 111635

Ion Ratio Lower Upper

119 100

134 26.9 17.0 25.4#

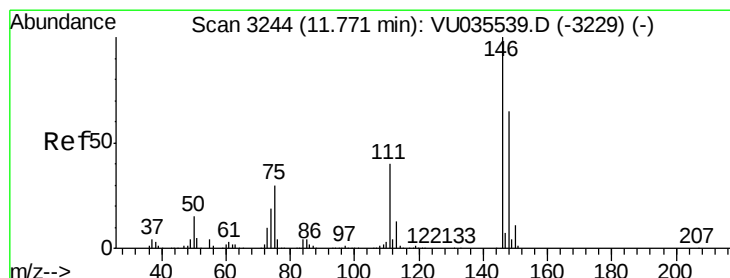
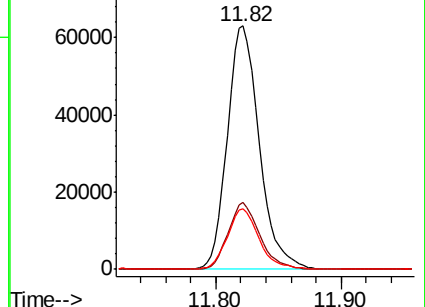
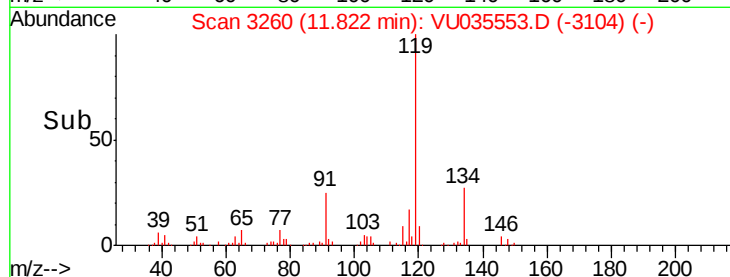
91 24.7 41.3 61.9#



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VU0



#82

1,3-Dichlorobenzene

Concen: 1.822 ug/l

RT: 11.78 min Scan# 3246

Delta R.T. 0.01 min

Lab File: VU035553.D

Acq: 30 Oct 2019 11:28

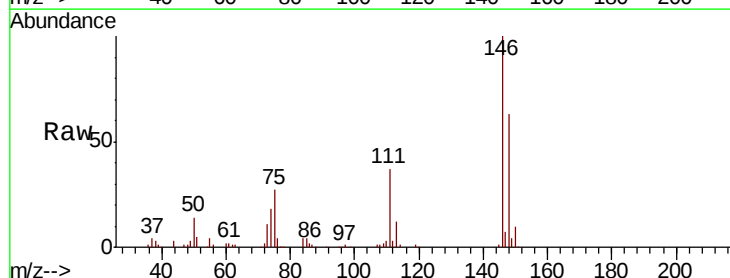
Tgt Ion:146 Resp: 81987

Ion Ratio Lower Upper

146 100

111 37.9 31.8 47.6

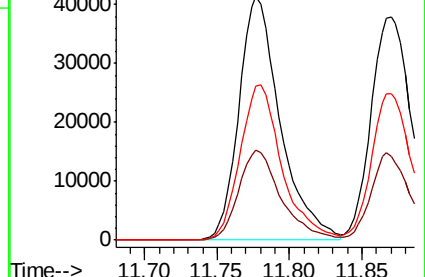
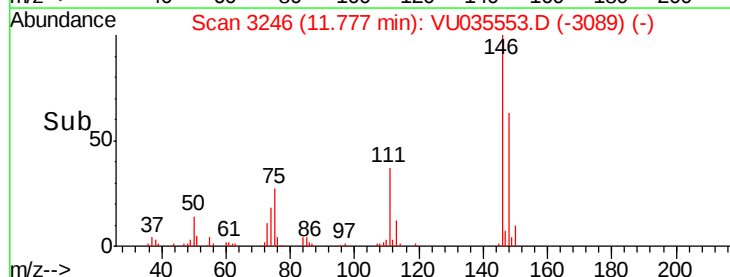
148 64.5 50.9 76.3

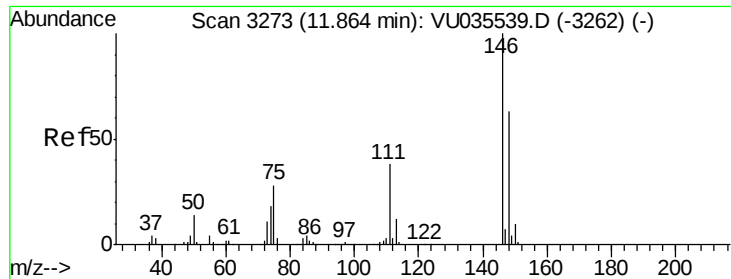


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#83

1,4-Dichlorobenzene

Concen: 1.816 ug/l

RT: 11.87 min Scan# 3275

Delta R.T. 0.01 min

Lab File: VU035553.D

Acq: 30 Oct 2019 11:28

Instrument :

MSVOA_U

ClientSampleId :

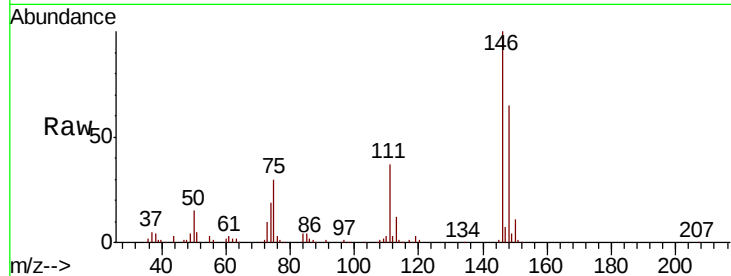
Tot Ion:146 Resp: 78361

Ion Ratio Lower Upper

146 100

111 37.4 30.1 45.1

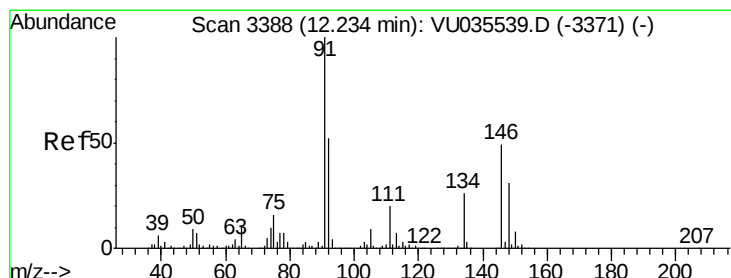
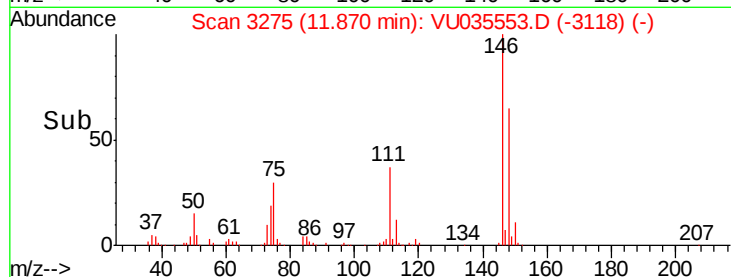
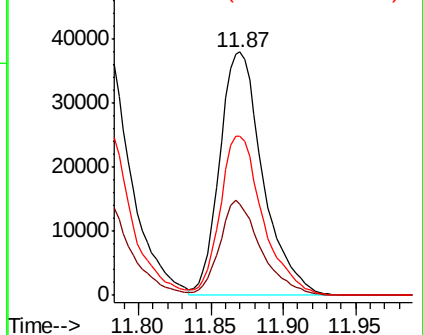
148 64.8 51.0 76.4



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#84

n-Butylbenzene

Concen: 1.412 ug/l

RT: 12.24 min Scan# 3389

Delta R.T. 0.00 min

Lab File: VU035553.D

Acq: 30 Oct 2019 11:28

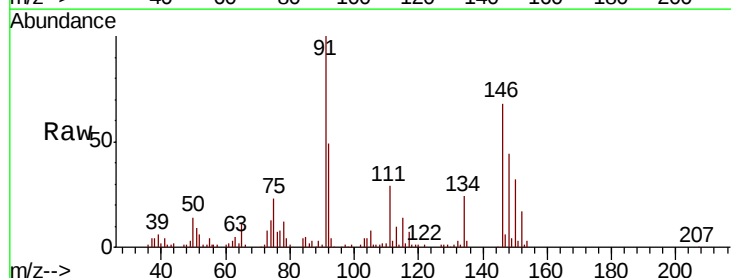
Tgt Ion: 91 Resp: 85000

Ion Ratio Lower Upper

91 100

92 50.1 41.4 62.0

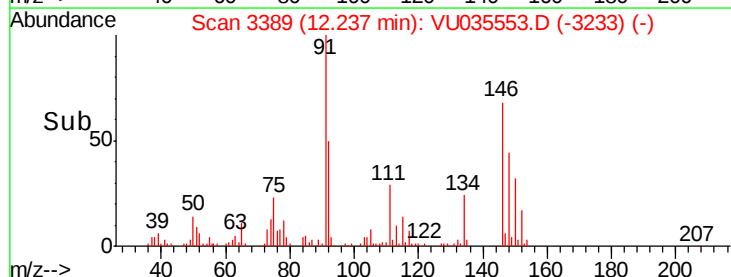
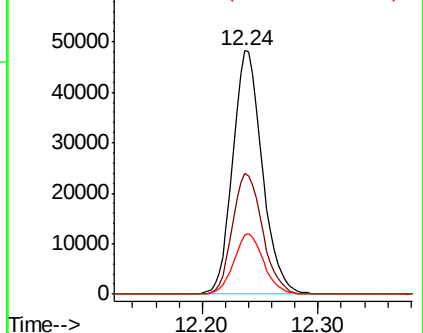
134 24.8 20.6 30.8

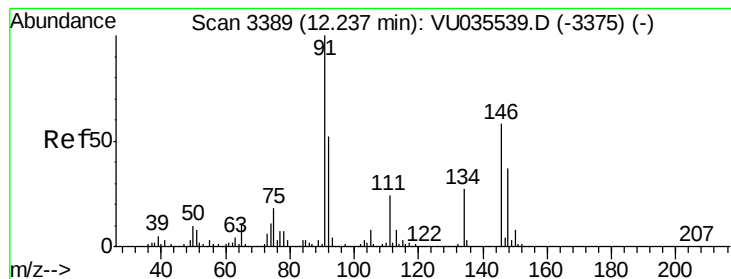


Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 92.00 (91.70 to 92.70): VU0

Ion 134.00 (133.70 to 134.70): V





#85

1,2-Dichlorobenzene

Concen: 1.788 ug/l

RT: 12.24 min Scan# 3391

Delta R.T. 0.01 min

Lab File: VU035553.D

Acq: 30 Oct 2019 11:28

Instrument :

MSVOA_U

ClientSampleId :

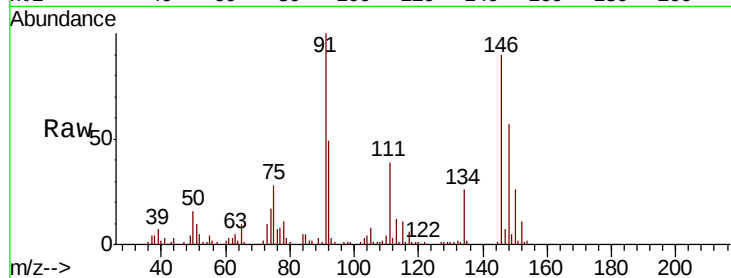
Tot Ion:146 Resp: 75786

Ion Ratio Lower Upper

146 100

111 41.1 20.5 61.5

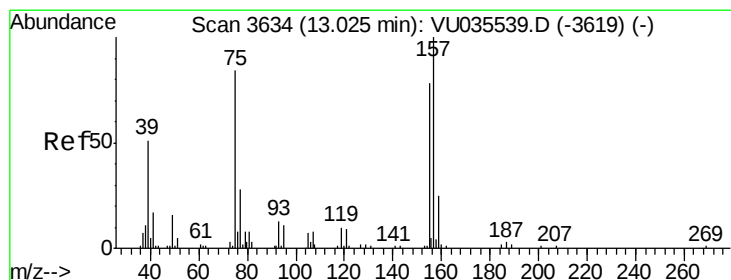
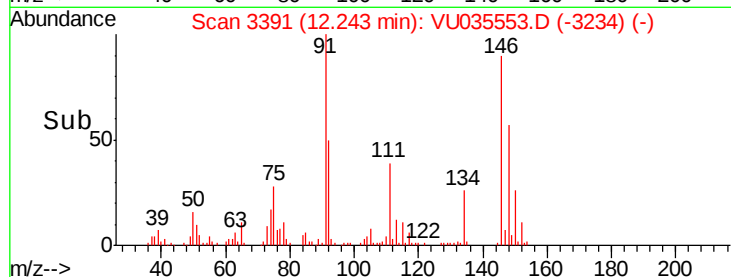
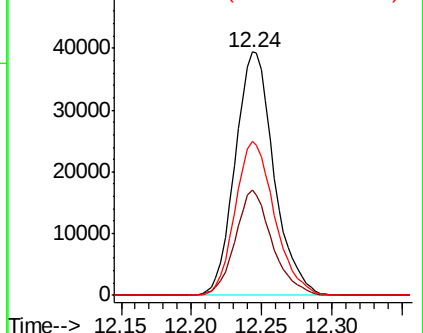
148 64.3 32.0 96.2



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#86

1,2-Dibromo-3-Chloropropane

Concen: 1.754 ug/l

RT: 13.02 min Scan# 3634

Delta R.T. -0.00 min

Lab File: VU035553.D

Acq: 30 Oct 2019 11:28

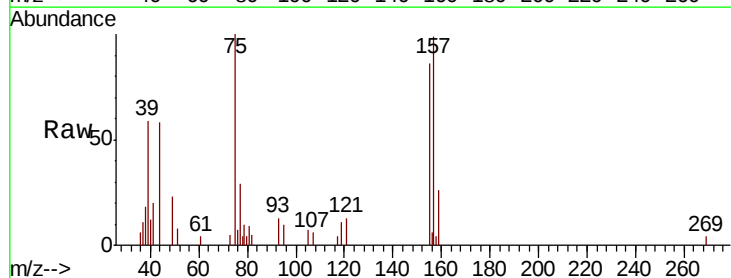
Tgt Ion: 75 Resp: 4733

Ion Ratio Lower Upper

75 100

155 90.2 71.3 106.9

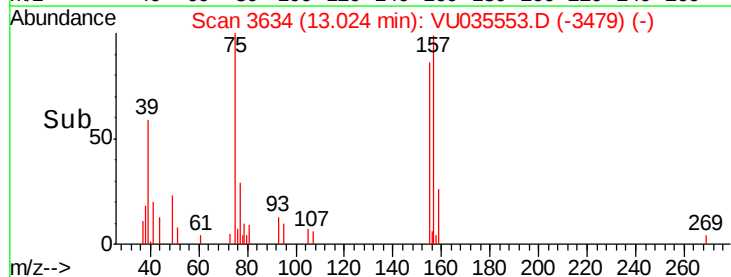
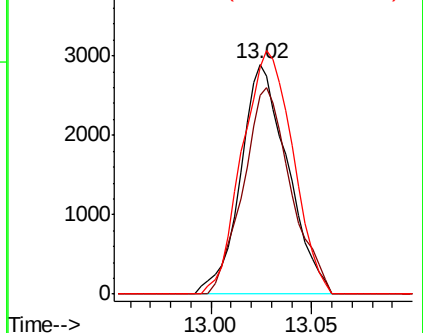
157 113.9 91.2 136.8

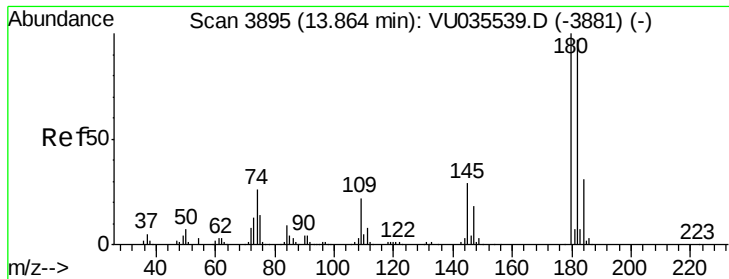


Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

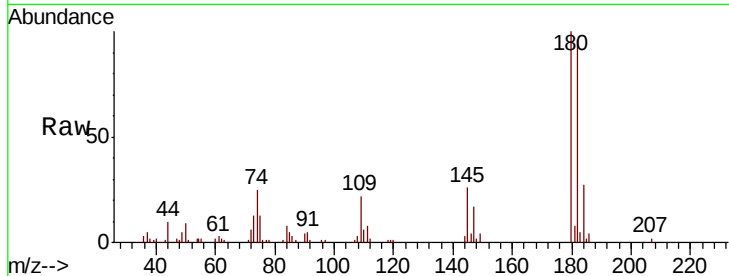




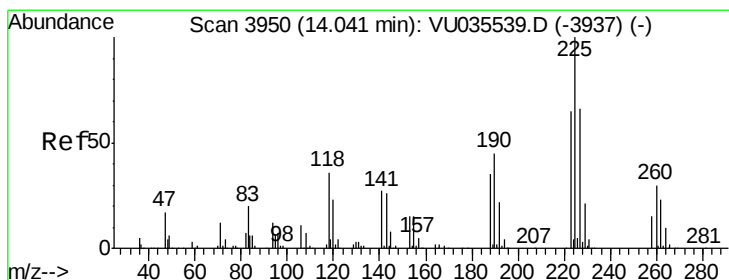
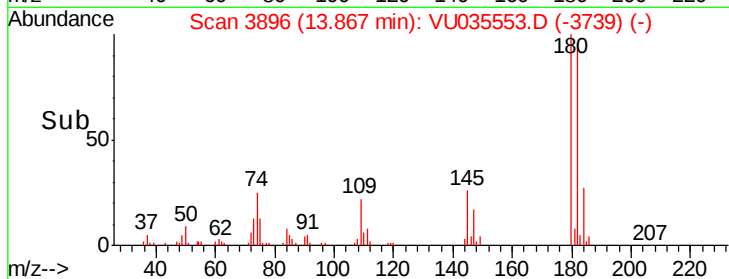
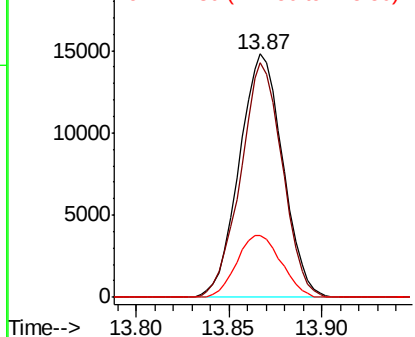
#87
 1,2,4-Trichlorobenzene
 Concen: 1.762 ug/l
 RT: 13.87 min Scan# 3896
 Delta R.T. 0.00 min
 Lab File: VU035553.D
 Acq: 30 Oct 2019 11:28

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion:180 Resp: 24228
 Ion Ratio Lower Upper
 180 100
 182 92.2 77.4 116.0
 145 25.6 22.6 33.8

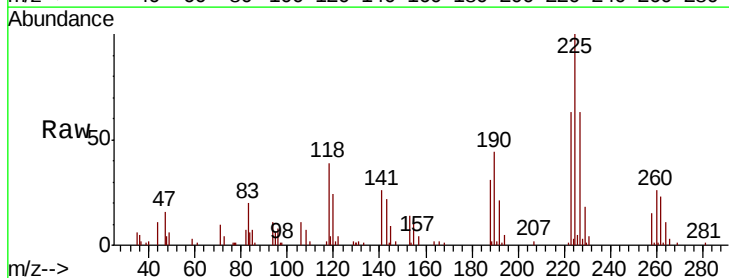


Abundance Ion 179.70 (179.40 to 180.40): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

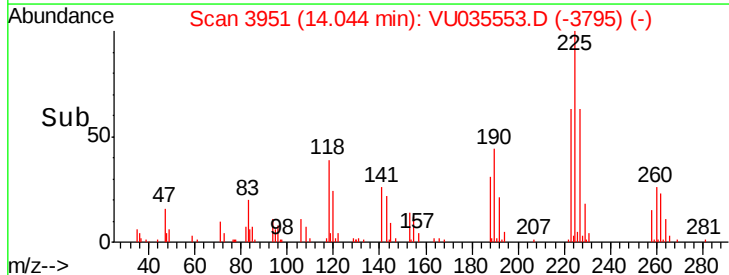
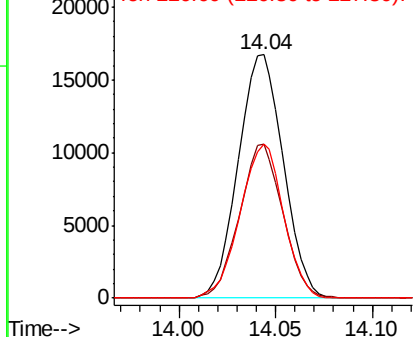


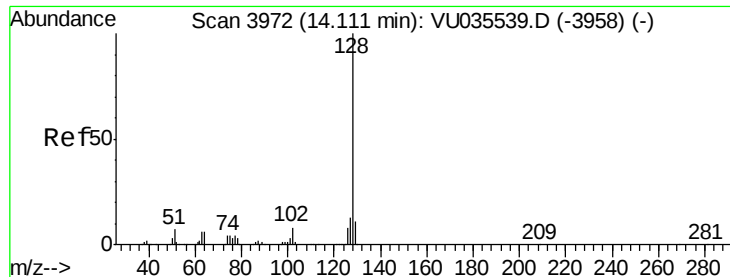
#88
 Hexachlorobutadiene
 Concen: 1.719 ug/l
 RT: 14.04 min Scan# 3951
 Delta R.T. 0.00 min
 Lab File: VU035553.D
 Acq: 30 Oct 2019 11:28

Tgt Ion:225 Resp: 27138
 Ion Ratio Lower Upper
 225 100
 223 60.9 50.7 76.1
 227 61.0 52.2 78.4



Abundance Ion 224.60 (224.30 to 225.30): V
 Ion 222.60 (222.30 to 223.30): V
 Ion 226.60 (226.30 to 227.30): V





#89

Naphthalene

Concen: 1.679 ug/l

RT: 14.11 min Scan# 3973

Delta R.T. 0.00 min

Lab File: VU035553.D

Acq: 30 Oct 2019 11:28

Instrument :

MSVOA_U

ClientSampleId :

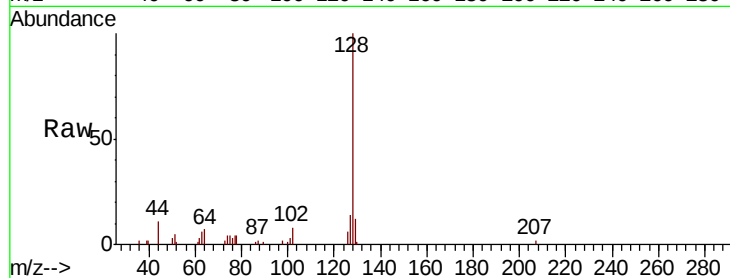
Tot Ion:128 Resp: 28076

Ion Ratio Lower Upper

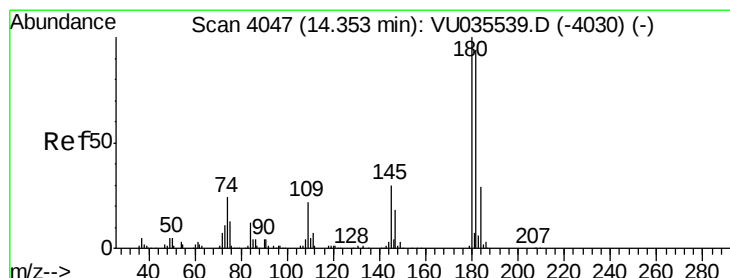
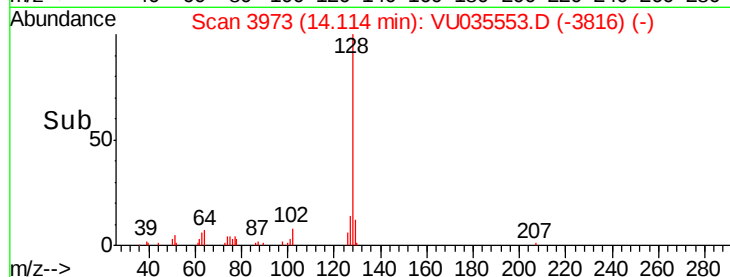
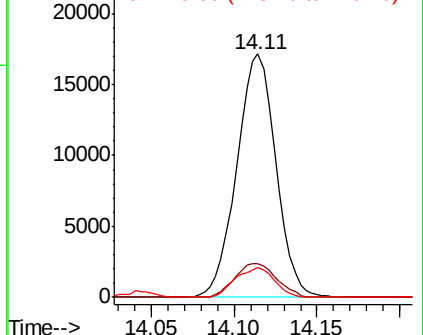
128 100

127 14.9 10.3 15.5

129 12.1 8.6 13.0



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



#90

1,2,3-Trichlorobenzene

Concen: 1.767 ug/l

RT: 14.36 min Scan# 4048

Delta R.T. 0.00 min

Lab File: VU035553.D

Acq: 30 Oct 2019 11:28

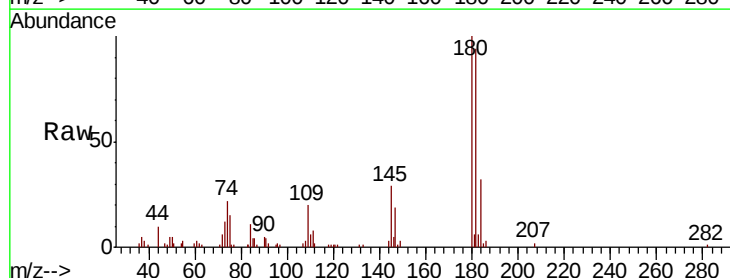
Tgt Ion:180 Resp: 25875

Ion Ratio Lower Upper

180 100

182 92.5 75.8 113.8

145 29.0 23.7 35.5



Abundance Ion 179.70 (179.40 to 180.40): V
Ion 181.70 (181.40 to 182.40): V
Ion 144.80 (144.50 to 145.50): V

