

Data File : VU034474.D
Acq On : 11 Sep 2019 13:56
Operator : JC/SP
Sample : VU0911WBS01
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VU0911WBS01

Quant Time: Sep 12 03:48:45 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\524U091119DW.M
Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
QLast Update : Thu Sep 12 02:53:57 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene	5.72	96	63532	1.00	ug/l	0.00

System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.29	95	23420	0.95	ug/l	0.00
Spiked Amount 1.000			Recovery	=	95.00%	
68) 1,2-Dichlorobenzene-d4	11.84	152	26281	0.99	ug/l	0.00
Spiked Amount 1.000			Recovery	=	99.00%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	43816	1.884	ug/l	99
3) Chloromethane	1.33	50	51572	2.015	ug/l	100
4) Vinyl Chloride	1.40	62	47961	1.908	ug/l	100
5) Bromomethane	1.62	94	27863	1.902	ug/l	98
6) Chloroethane	1.69	64	28398	1.949	ug/l	97
7) Trichlorofluoromethane	1.88	101	60002	1.940	ug/l	96
8) 1,1,2-Trichloro-1,2,2-trif	2.28	101	31724	1.891	ug/l	98
9) 1,1-Dichloroethene	2.28	96	31931	1.889	ug/l	96
10) Iodomethane	2.40	142	16872	1.290	ug/l	98
11) Allyl Chloride	2.58	41	51421	1.851	ug/l	97
12) Acrylonitrile	2.93	53	13259	3.764	ug/l	94
13) Acetone	2.31	43	28689	9.778	ug/l	97
14) Carbon Disulfide	2.47	76	112964	1.903	ug/l	99
15) Methylene Chloride	2.69	84	38859	1.977	ug/l	96
16) trans-1,2-Dichloroethene	2.97	96	34868	1.843	ug/l	99
17) 1,1-Dichloroethane	3.42	63	68792	1.907	ug/l	99
18) 2-Butanone	4.26	43	40847	9.639	ug/l	97
19) Cyclohexane	4.97	56	45363	1.605	ug/l	87
20) Methylcyclohexane	6.39	83	54076	1.834	ug/l	97
21) 2,2-Dichloropropane	4.20	77	54582	1.836	ug/l	100
22) cis-1,2-Dichloroethene	4.20	96	38043	1.855	ug/l	97
23) Diethyl Ether	2.10	59	24135	1.906	ug/l	98
24) tert-Butyl Alcohol	2.82	59	32229	19.503	ug/l #	95
25) Methyl tert-Butyl Ether	2.99	73	79256	1.956	ug/l	97
26) Bromochloromethane	4.53	128	16854	1.943	ug/l	96
27) Chloroform	4.65	83	70750	1.887	ug/l	97
28) 1,1,1-Trichloroethane	4.89	97	55150	1.875	ug/l	97
29) 1,1-Dichloropropene	5.11	75	45439	1.788	ug/l	98
30) Carbon Tetrachloride	5.11	117	50000	1.897	ug/l	100
31) Isopropyl Ether	3.56	45	99506	1.916	ug/l	98
32) Ethyl-t-butyl ether	4.05	59	84089	1.892	ug/l	98
33) Tert-Amyl methyl ether	5.56	73	69394	1.864	ug/l	98
34) Propionitrile	4.32	54	11167	9.282	ug/l #	85
35) Benzene	5.37	78	144104	1.890	ug/l	99
36) 1,2-Dichloroethane	5.39	62	38646	1.974	ug/l	100
37) Trichloroethene	6.16	130	40636	1.905	ug/l	96
38) 1,2-Dichloropropane	6.41	63	38478	1.905	ug/l	94
39) Methacrylonitrile	4.53	41	9829	1.974	ug/l	97
40) Methyl acrylate	4.42	55	13170	1.736	ug/l #	97
41) Tetrahydrofuran	4.63	42	10077	3.951	ug/l	97
42) 1-Chlorobutane	5.04	56	65169	1.887	ug/l	99

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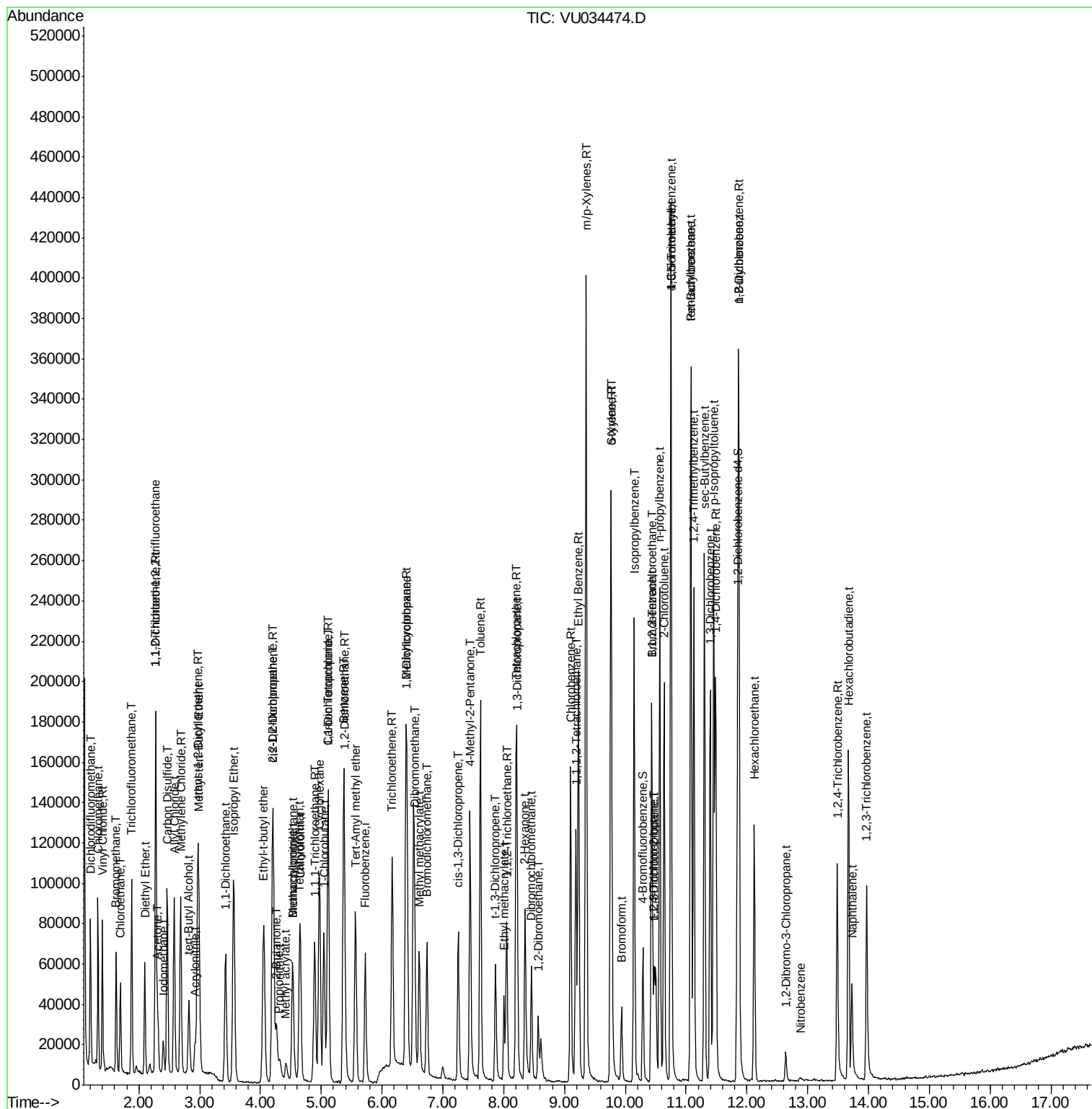
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Dibromomethane	6.54	93	17493	1.840	ug/l	98
44) Bromodichloromethane	6.74	83	46867	1.919	ug/l	100
45) 4-Methyl-2-Pentanone	7.45	43	93715	9.724	ug/l	98
46) t-1,4-Dichloro-2-butene	10.47	75	21558	5.612	ug/l #	72
47) Methyl methacrylate	6.61	69	28658	3.780	ug/l	97
48) Ethyl methacrylate	8.00	69	25049	1.839	ug/l	98
49) Toluene	7.62	92	83007	1.866	ug/l	100
50) t-1,3-Dichloropropene	7.87	75	36435	1.812	ug/l	99
51) cis-1,3-Dichloropropene	7.25	75	46879	1.852	ug/l	97
52) 1,1,2-Trichloroethane	8.05	97	25624	1.941	ug/l	97
53) 1,3-Dichloropropane	8.23	76	41464	1.878	ug/l	99
54) 2-Hexanone	8.35	43	59977	9.284	ug/l	99
55) Dibromochloromethane	8.46	129	30218	1.884	ug/l	96
56) 1,2-Dibromoethane	8.57	107	23176	1.914	ug/l	97
58) Tetrachloroethene	8.21	164	39327	1.940	ug/l	97
59) Chlorobenzene	9.10	112	92960	1.876	ug/l	99
60) 1,1,1,2-Tetrachloroethane	9.19	131	34853	1.899	ug/l	98
61) Pentachloroethane	11.08	117	29128	1.961	ug/l	92
62) Hexachloroethane	12.12	117	24197	1.834	ug/l	98
63) Ethyl Benzene	9.23	91	144883	1.823	ug/l	99
64) m/p-Xylenes	9.35	106	118271	3.675	ug/l	98
65) o-Xylene	9.76	106	56359	1.838	ug/l	98
66) Styrene	9.77	104	94849	1.848	ug/l	99
67) Bromoform	9.94	173	18447	1.956	ug/l	97
69) Isopropylbenzene	10.14	105	147844	1.850	ug/l	100
70) 1,1,2,2-Tetrachloroethane	10.44	83	33291	1.965	ug/l	100
71) 1,2,3-Trichloropropane	10.47	75	21558	1.788	ug/l #	90
72) Bromobenzene	10.43	156	41230	1.902	ug/l	99
73) n-propylbenzene	10.57	120	43035	1.859	ug/l	98
74) 2-Chlorotoluene	10.64	126	40481	1.943	ug/l	100
75) 1,3,5-Trimethylbenzene	10.75	105	134137	1.869	ug/l	98
76) 4-Chlorotoluene	10.75	126	39992	1.896	ug/l	99
77) tert-Butylbenzene	11.08	119	129156	1.856	ug/l	98
78) 1,2,4-Trimethylbenzene	11.13	105	135164	1.865	ug/l	99
79) sec-Butylbenzene	11.30	105	174265	1.862	ug/l	99
80) Nitrobenzene	12.87	77	1427	3.946	ug/l #	58
81) p-Isopropyltoluene	11.45	119	147159	1.884	ug/l	99
82) 1,3-Dichlorobenzene	11.40	146	87139	1.937	ug/l	99
83) 1,4-Dichlorobenzene	11.49	146	86929	1.945	ug/l	98
84) n-Butylbenzene	11.87	91	134453	1.871	ug/l	96
85) 1,2-Dichlorobenzene	11.86	146	77441	1.900	ug/l	97
86) 1,2-Dibromo-3-Chloropropan	12.64	75	4491	1.986	ug/l	96
87) 1,2,4-Trichlorobenzene	13.49	180	43379	1.844	ug/l	96
88) Hexachlorobutadiene	13.67	225	33588	1.874	ug/l	100
89) Naphthalene	13.73	128	45935	1.801	ug/l	97
90) 1,2,3-Trichlorobenzene	13.97	180	39652	1.830	ug/l	99

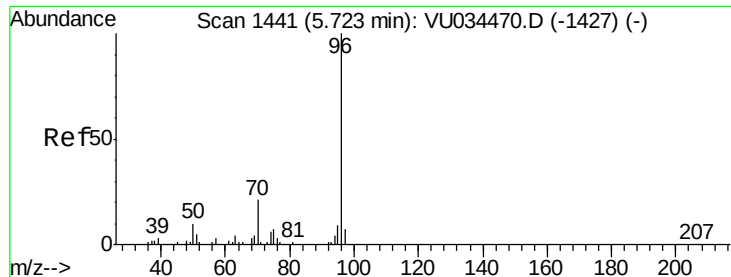
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Fluorobenzene

Concen: 1.000 ug/l

RT: 5.72 min Scan# 1441

Delta R.T. 0.00 min

Lab File: VU034474.D

Acq: 11 Sep 2019 13:56

Instrument :

MSVOA_U

ClientSampleId :

VU0911WBS01

Tgt Ion: 96 Resp: 63532

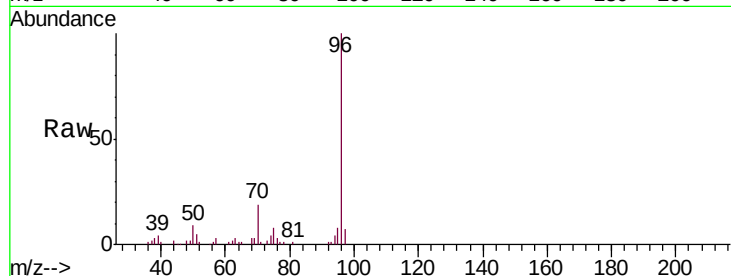
Ion Ratio Lower Upper

96 100

70 19.6 16.5 24.7

95 8.4 7.0 10.6

97 7.0 0.0 0.0#

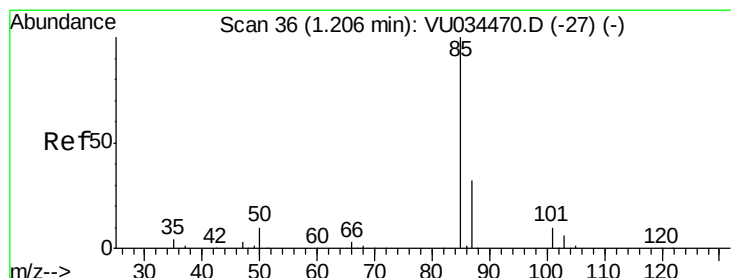
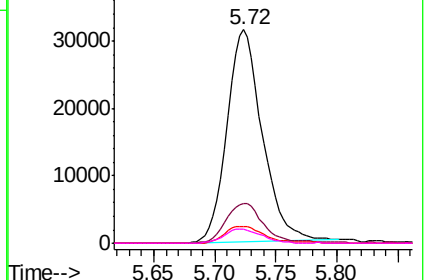
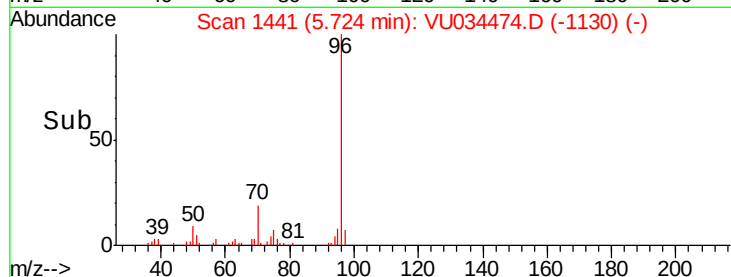


Abundance Ion 96.00 (95.70 to 96.70): VU034470.D (-1427) (-)

Ion 70.00 (69.70 to 70.70): VU034470.D (-1427) (-)

Ion 95.00 (94.70 to 95.70): VU034470.D (-1427) (-)

Ion 97.00 (96.70 to 97.70): VU034470.D (-1427) (-)



#2

Dichlorodifluoromethane

Concen: 1.884 ug/l

RT: 1.20 min Scan# 35

Delta R.T. -0.00 min

Lab File: VU034474.D

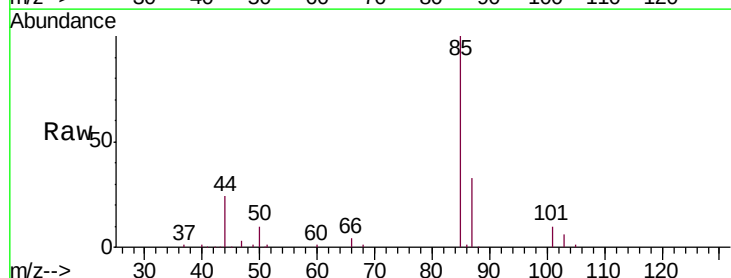
Acq: 11 Sep 2019 13:56

Tgt Ion: 85 Resp: 43816

Ion Ratio Lower Upper

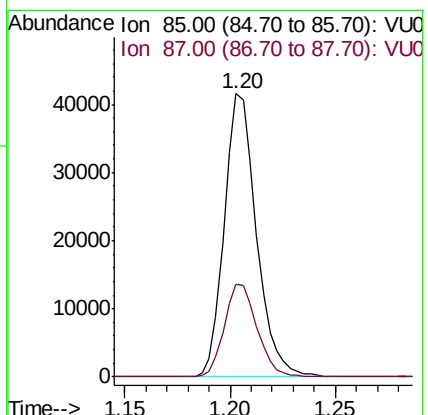
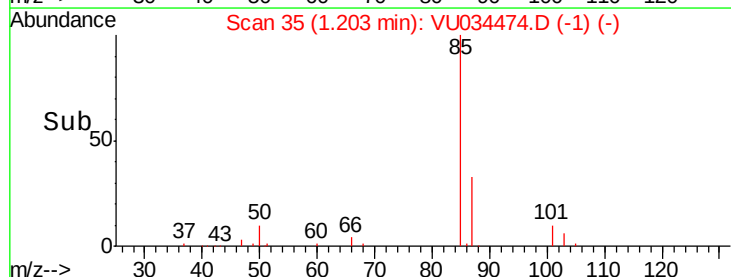
85 100

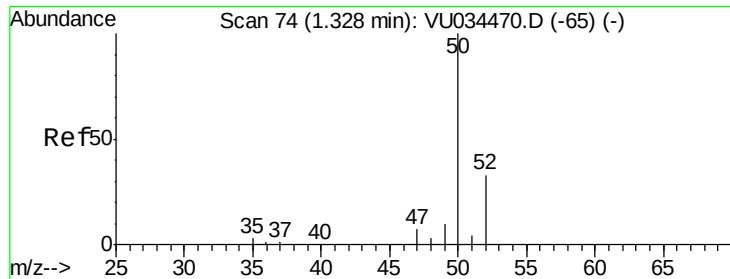
87 32.8 16.1 48.3



Abundance Ion 85.00 (84.70 to 85.70): VU034474.D (-1) (-)

Ion 87.00 (86.70 to 87.70): VU034474.D (-1) (-)





#3

Chloromethane

Concen: 2.015 ug/l

RT: 1.33 min Scan# 74

Delta R.T. 0.00 min

Lab File: VU034474.D

Acq: 11 Sep 2019 13:56

Instrument :

MSVOA_U

ClientSampleId :

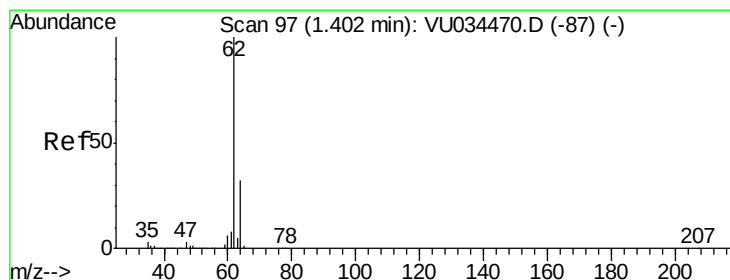
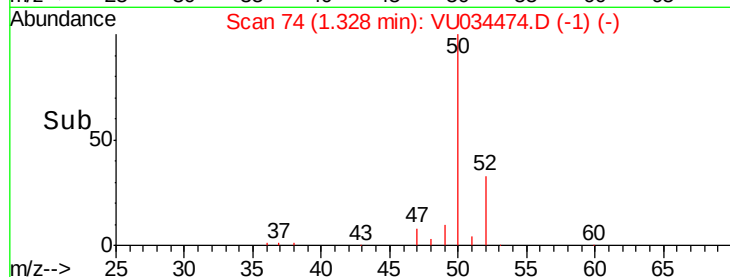
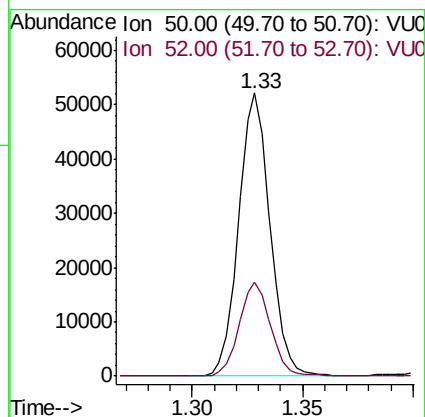
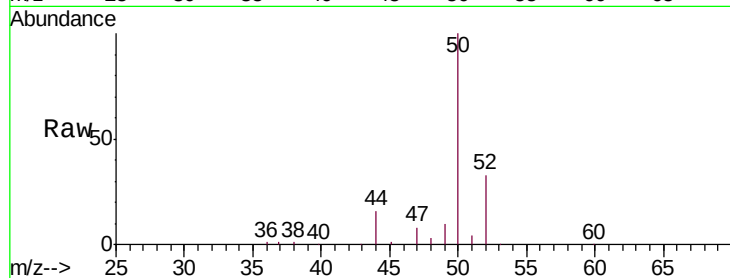
VU0911WBS01

Tgt Ion: 50 Resp: 51572

Ion Ratio Lower Upper

50 100

52 33.0 26.2 39.4



#4

Vinyl Chloride

Concen: 1.908 ug/l

RT: 1.40 min Scan# 96

Delta R.T. -0.00 min

Lab File: VU034474.D

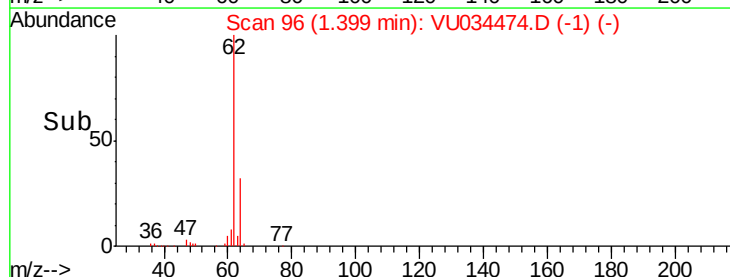
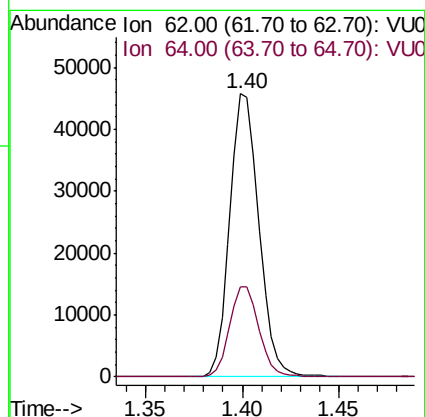
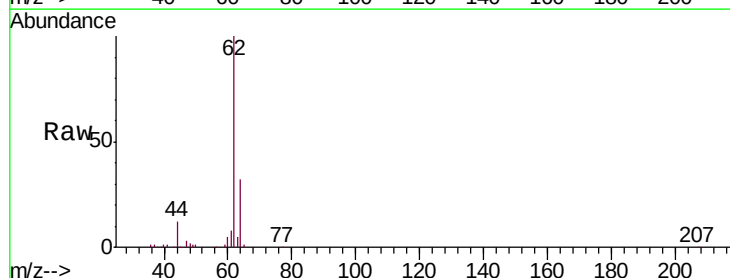
Acq: 11 Sep 2019 13:56

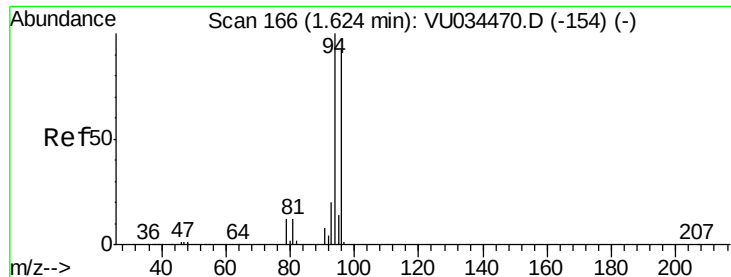
Tgt Ion: 62 Resp: 47961

Ion Ratio Lower Upper

62 100

64 31.8 25.4 38.0





#5

Bromomethane

Concen: 1.902 ug/l

RT: 1.62 min Scan# 166

Delta R.T. 0.00 min

Lab File: VU034474.D

Acq: 11 Sep 2019 13:56

Instrument :

MSVOA_U

ClientSampleId :

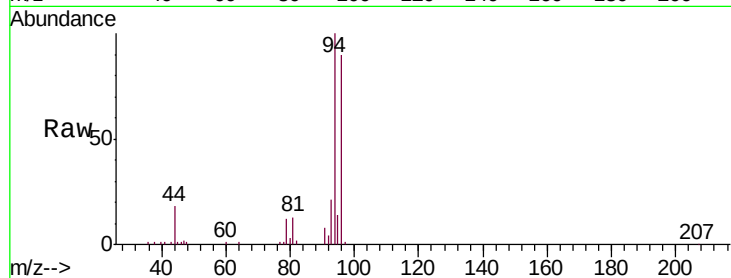
VU0911WBS01

Tgt Ion: 94 Resp: 27863

Ion Ratio Lower Upper

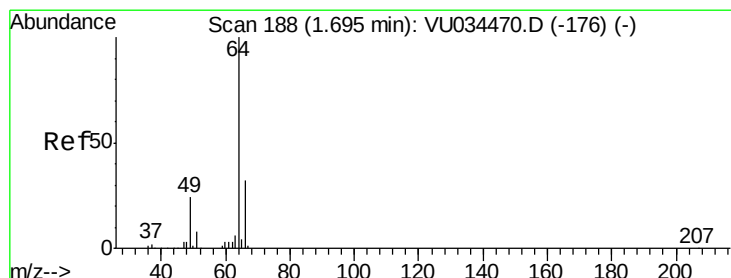
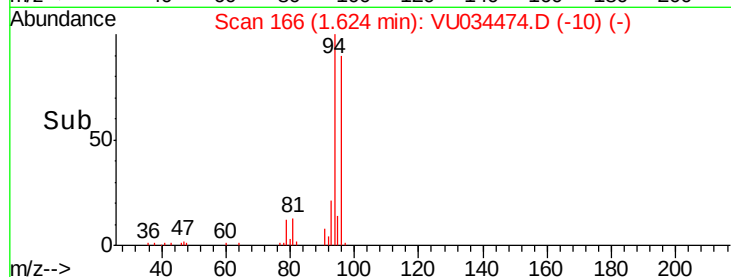
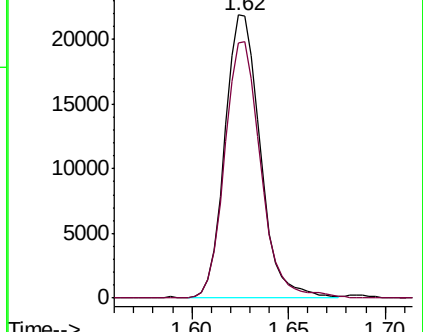
94 100

96 90.1 73.8 110.8



Abundance Ion 94.00 (93.70 to 94.70): VU034474.D (-154) (-)

Ion 96.00 (95.70 to 96.70): VU034474.D (-154) (-)



#6

Chloroethane

Concen: 1.949 ug/l

RT: 1.69 min Scan# 188

Delta R.T. 0.00 min

Lab File: VU034474.D

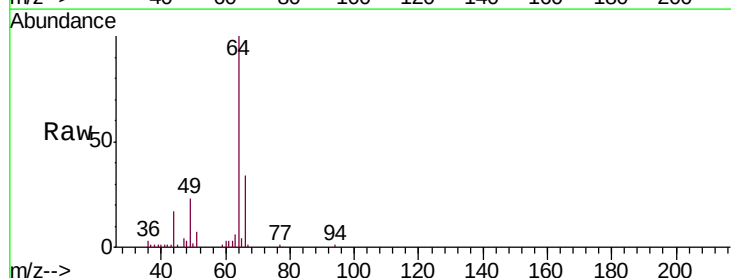
Acq: 11 Sep 2019 13:56

Tgt Ion: 64 Resp: 28398

Ion Ratio Lower Upper

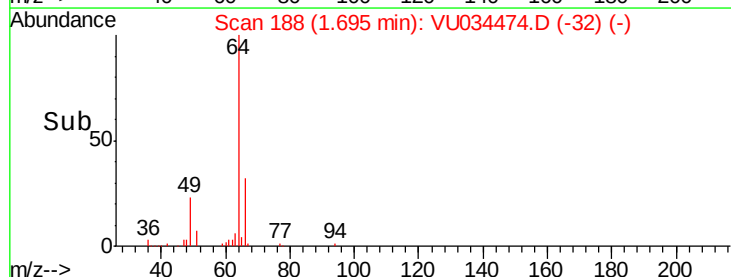
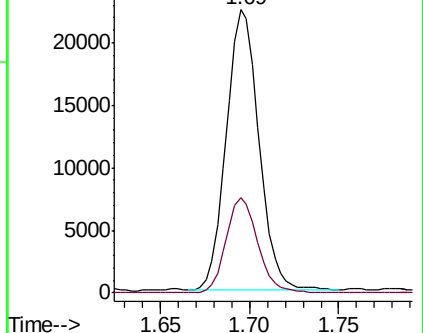
64 100

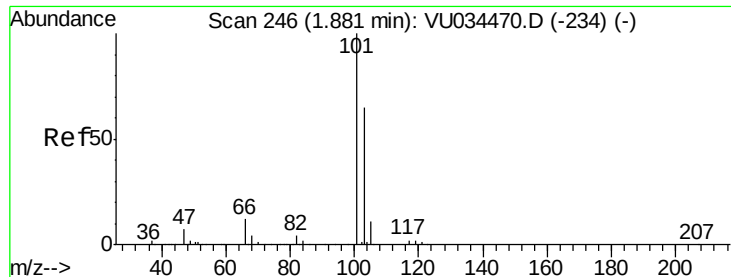
66 34.2 25.8 38.8



Abundance Ion 64.00 (63.70 to 64.70): VU034474.D (-176) (-)

Ion 66.00 (65.70 to 66.70): VU034474.D (-176) (-)



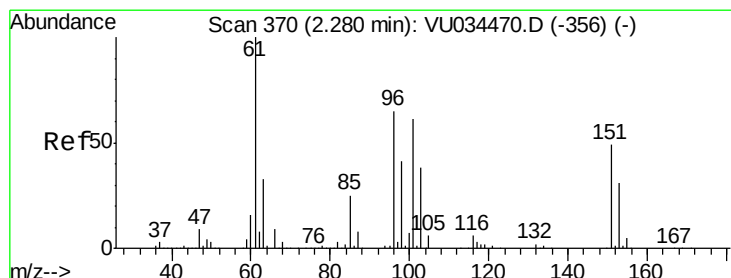
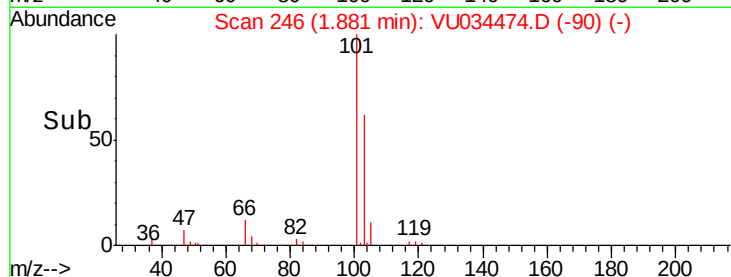
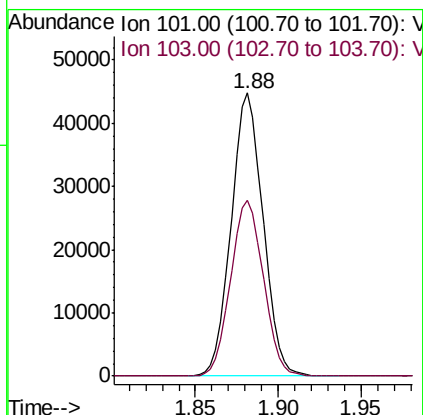
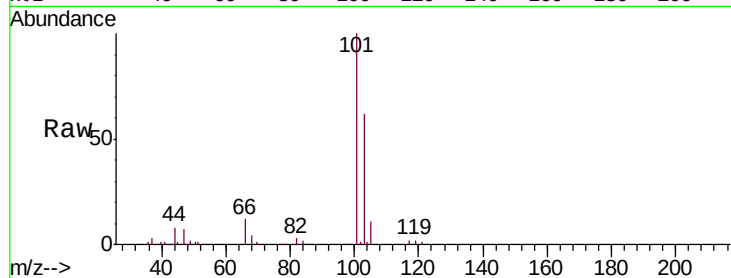


#7

Trichlorofluoromethane
 Concen: 1.940 ug/l
 RT: 1.88 min Scan# 246
 Delta R.T. 0.00 min
 Lab File: VU034474.D
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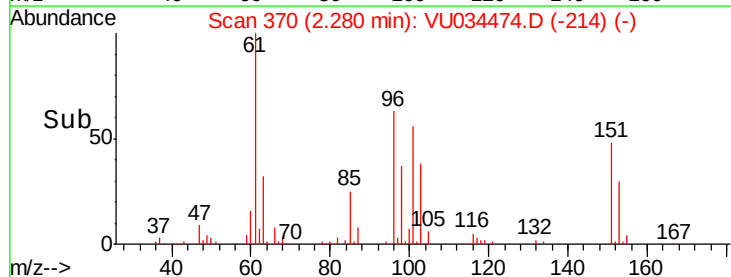
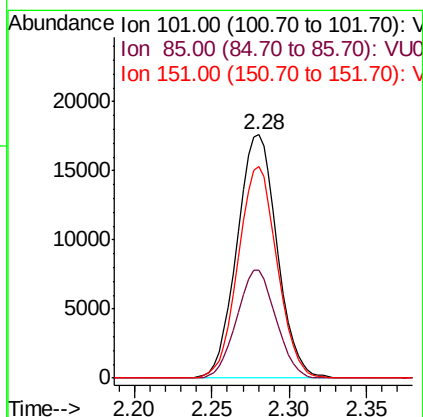
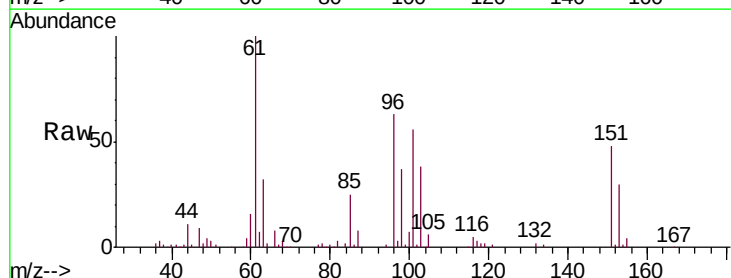
Tgt Ion:101 Resp: 60002
 Ion Ratio Lower Upper
 101 100
 103 62.3 52.2 78.4

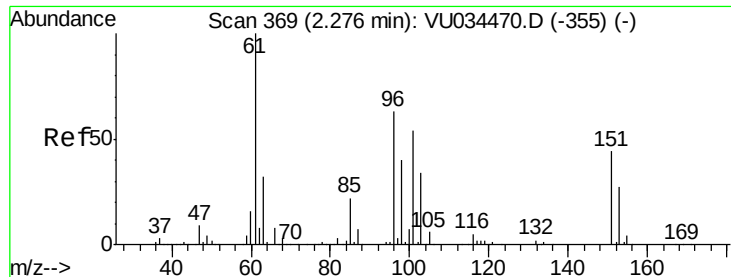


#8

1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 1.891 ug/l
 RT: 2.28 min Scan# 370
 Delta R.T. 0.00 min
 Lab File: VU034474.D
 Acq: 11 Sep 2019 13:56

Tgt Ion:101 Resp: 31724
 Ion Ratio Lower Upper
 101 100
 85 43.1 34.2 51.2
 151 84.5 65.2 97.8

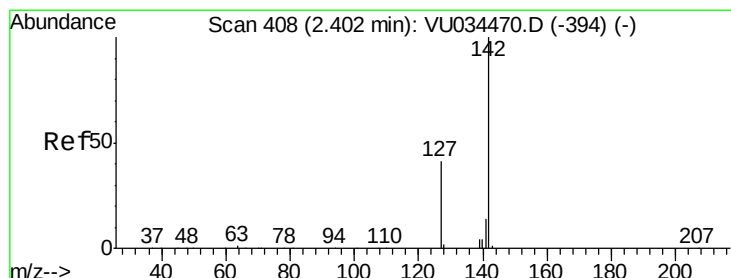
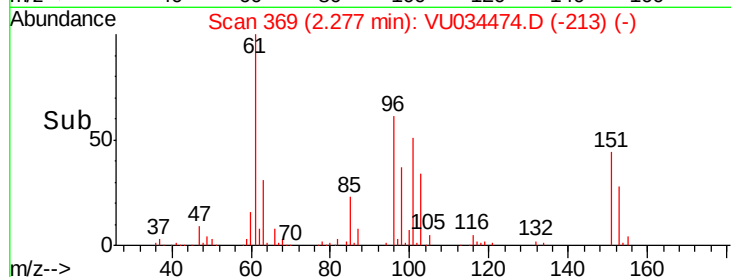
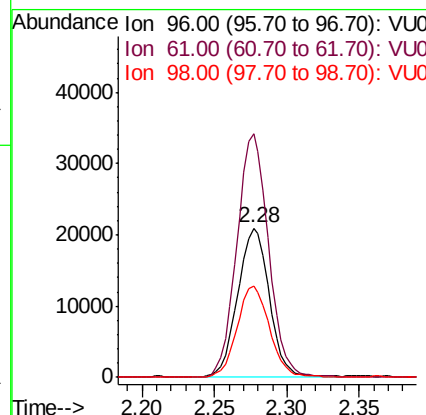
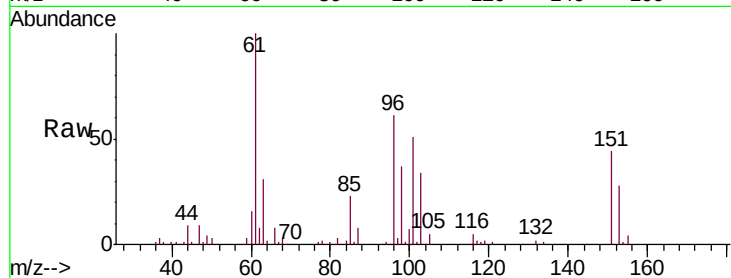




#9
 1,1-Dichloroethene
 Concen: 1.889 ug/l
 RT: 2.28 min Scan# 369
 Delta R.T. 0.00 min
 Lab File: VU034474.D
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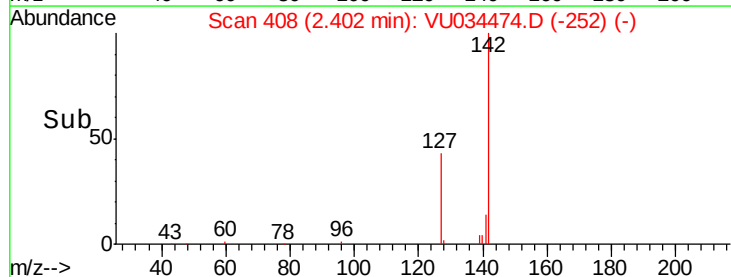
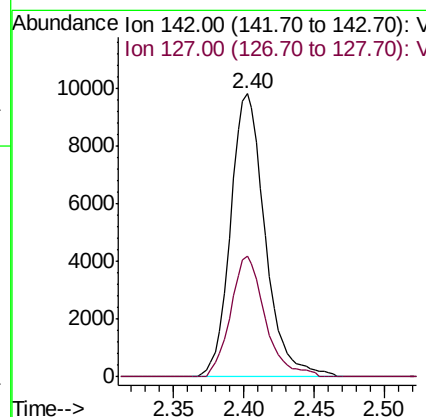
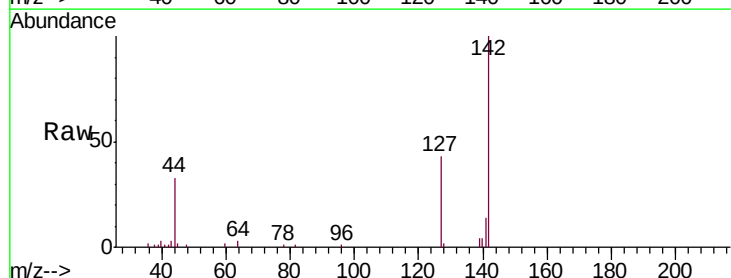
Instrument :
 MSVOA_U
 ClientSampleId :
 VU0911WBS01

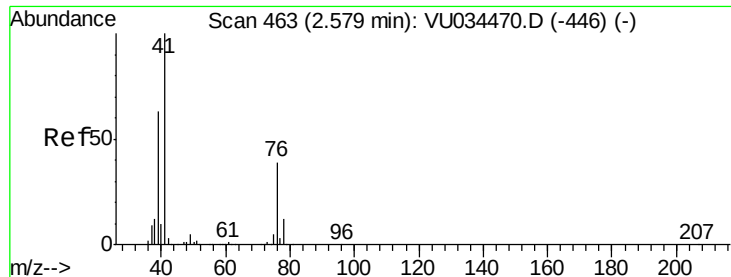
Tgt Ion: 96 Resp: 31931
 Ion Ratio Lower Upper
 96 100
 61 163.4 0.0 475.5
 98 61.1 0.0 127.6



#10
 Iodomethane
 Concen: 1.290 ug/l
 RT: 2.40 min Scan# 408
 Delta R.T. 0.00 min
 Lab File: VU034474.D
 Acq: 11 Sep 2019 13:56

Tgt Ion: 142 Resp: 16872
 Ion Ratio Lower Upper
 142 100
 127 42.5 33.0 49.6

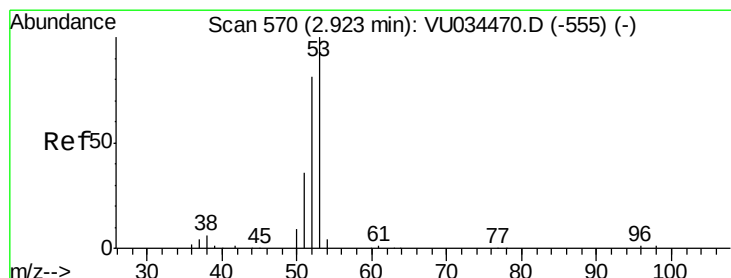
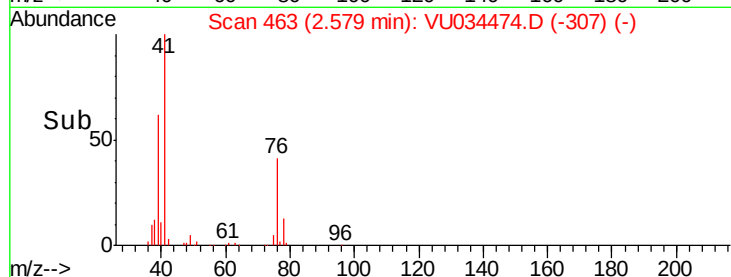
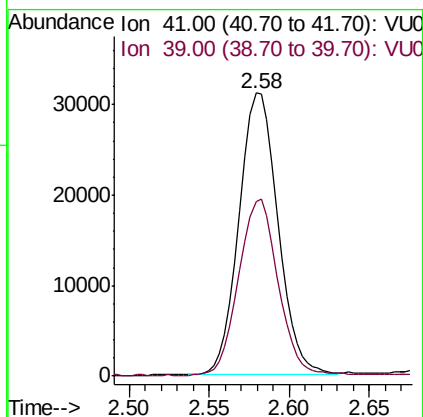
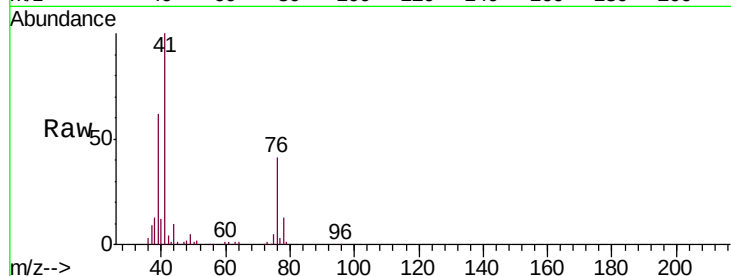




#11
 Allyl Chloride
 Concen: 1.851 ug/l
 RT: 2.58 min Scan# 463
 Delta R.T. 0.00 min
 Lab File: VU034474.D
 Acq: 11 Sep 2019 13:56

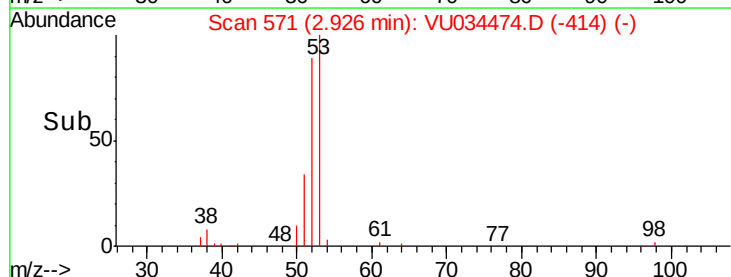
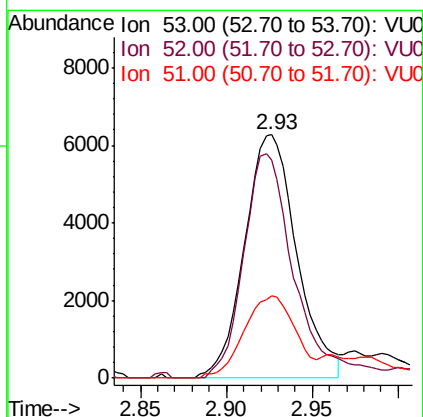
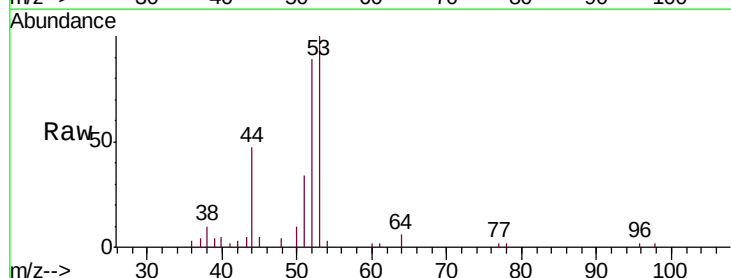
Instrument :
 MSVOA_U
 ClientSampleId :
 VU0911WBS01

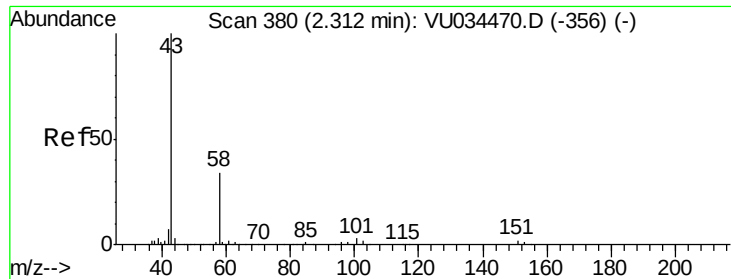
Tgt Ion: 41 Resp: 51421
 Ion Ratio Lower Upper
 41 100
 39 65.1 50.2 75.2



#12
 Acrylonitrile
 Concen: 3.764 ug/l
 RT: 2.93 min Scan# 571
 Delta R.T. 0.00 min
 Lab File: VU034474.D
 Acq: 11 Sep 2019 13:56

Tgt Ion: 53 Resp: 13259
 Ion Ratio Lower Upper
 53 100
 52 89.6 66.9 100.3
 51 33.2 28.4 42.6





#13

Acetone

Concen: 9.778 ug/l

RT: 2.31 min Scan# 380

Delta R.T. 0.00 min

Lab File: VU034474.D

Acq: 11 Sep 2019 13:56

Instrument :

MSVOA_U

ClientSampleId :

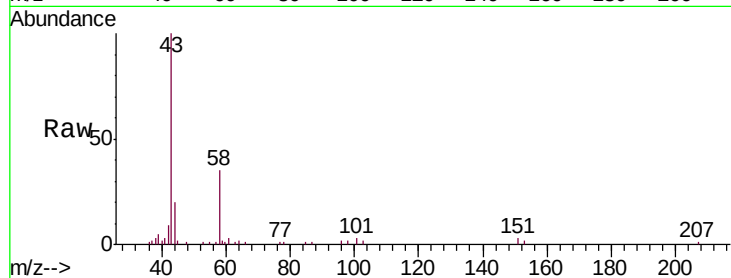
VU0911WBS01

Tgt Ion: 43 Resp: 28689

Ion Ratio Lower Upper

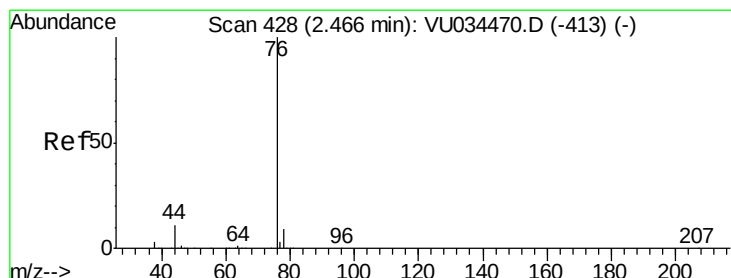
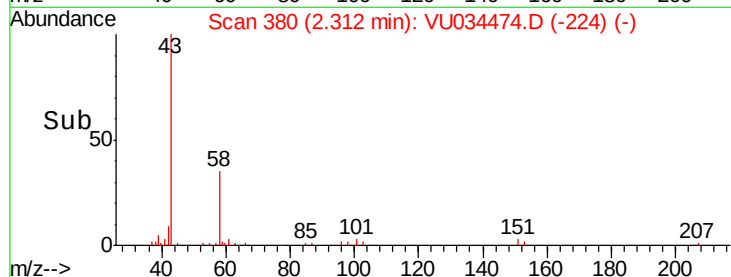
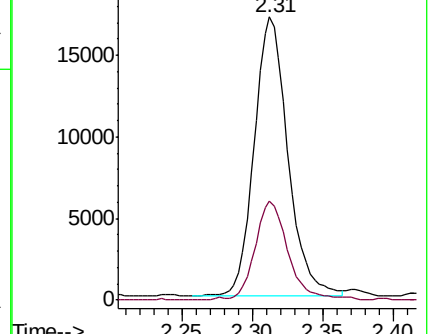
43 100

58 35.3 26.9 40.3



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0



#14

Carbon Disulfide

Concen: 1.903 ug/l

RT: 2.47 min Scan# 428

Delta R.T. 0.00 min

Lab File: VU034474.D

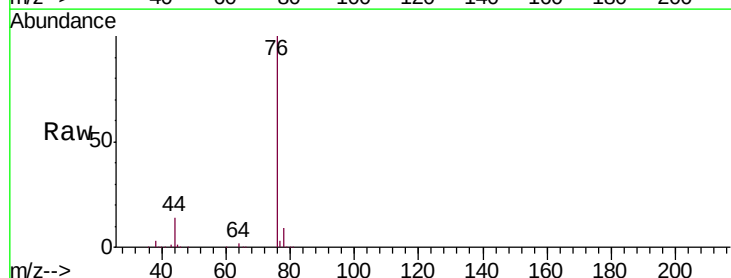
Acq: 11 Sep 2019 13:56

Tgt Ion: 76 Resp: 112964

Ion Ratio Lower Upper

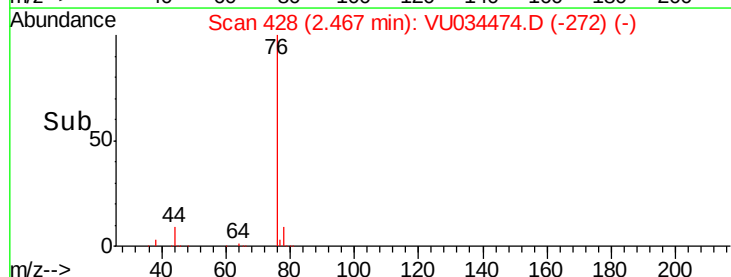
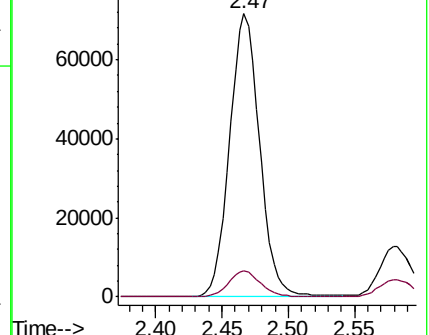
76 100

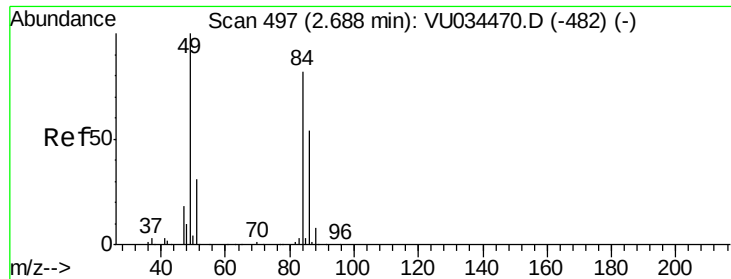
78 8.9 7.3 10.9



Abundance Ion 76.00 (75.70 to 76.70): VU0

Ion 78.00 (77.70 to 78.70): VU0

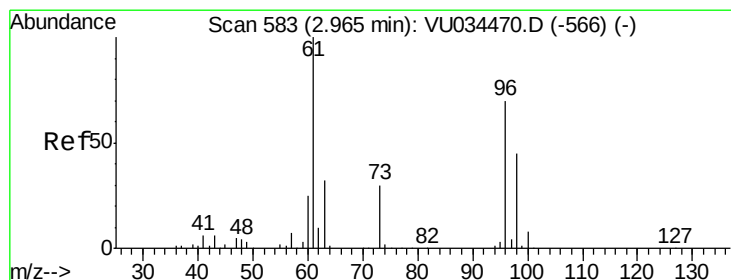
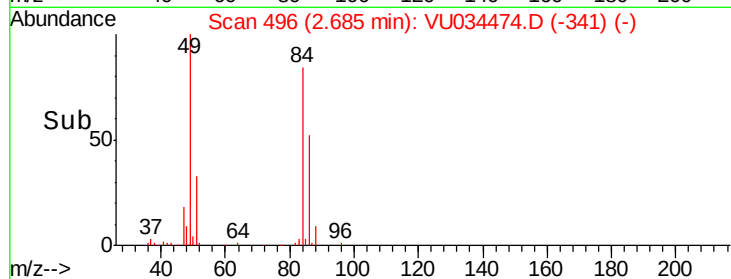
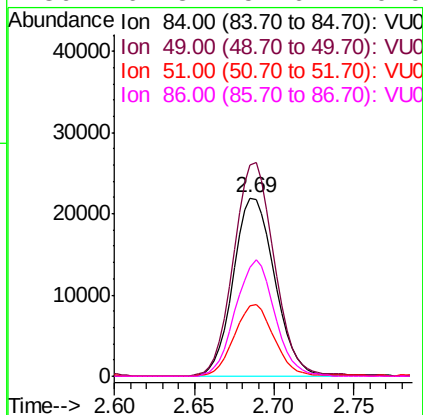
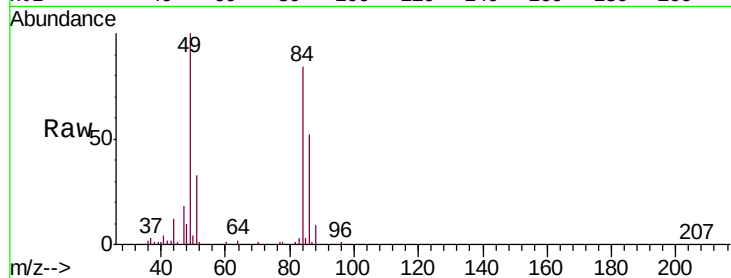




#15
Methylene Chloride
Concen: 1.977 ug/l
RT: 2.69 min Scan# 496
Delta R.T. -0.00 min
Lab File: VU034474.D
Acq: 11 Sep 2019 13:56

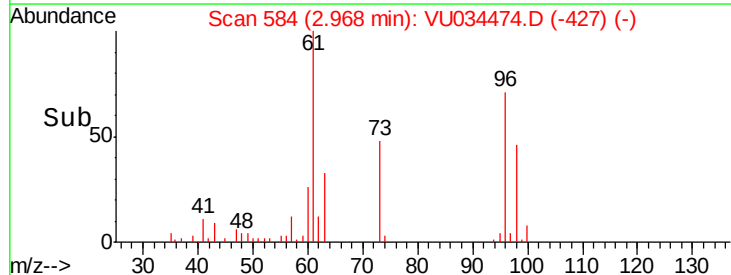
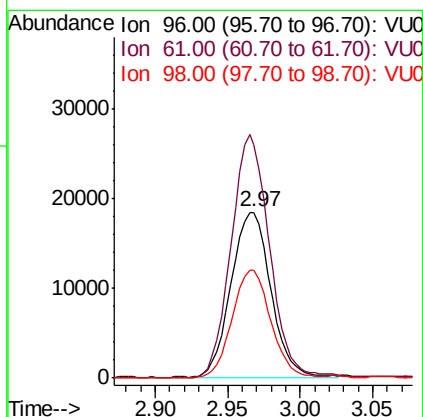
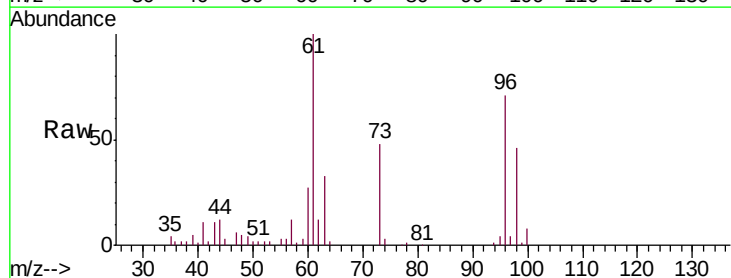
Instrument :
MSVOA_U
ClientSampleId :
VU0911WBS01

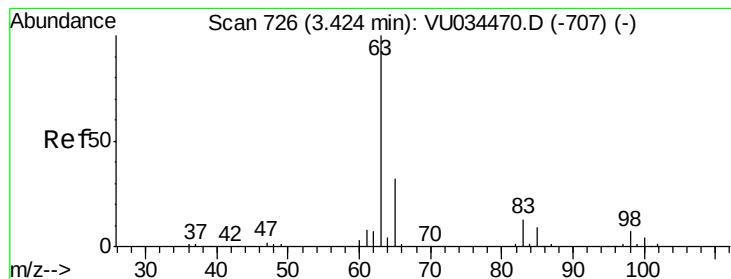
Tgt Ion:	84	Resp:	38859
Ion	Ratio	Lower	Upper
84	100		
49	118.7	97.8	146.6
51	39.4	0.0	76.4
86	61.3	52.6	79.0



#16
trans-1,2-Dichloroethene
Concen: 1.843 ug/l
RT: 2.97 min Scan# 584
Delta R.T. 0.00 min
Lab File: VU034474.D
Acq: 11 Sep 2019 13:56

Tgt Ion:	96	Resp:	34868
Ion	Ratio	Lower	Upper
96	100		
61	141.5	114.5	171.7
98	65.2	51.2	76.8





#17

1,1-Dichloroethane

Concen: 1.907 ug/l

RT: 3.42 min Scan# 726

Delta R.T. 0.00 min

Lab File: VU034474.D

Acq: 11 Sep 2019 13:56

Instrument :

MSVOA_U

ClientSampleId :

VU0911WBS01

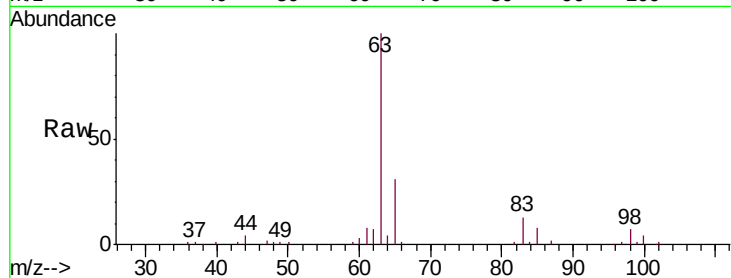
Tgt Ion: 63 Resp: 68792

Ion Ratio Lower Upper

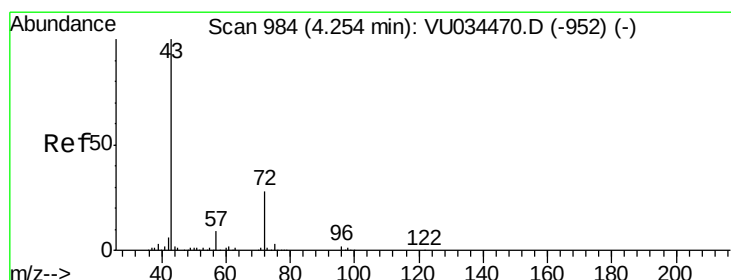
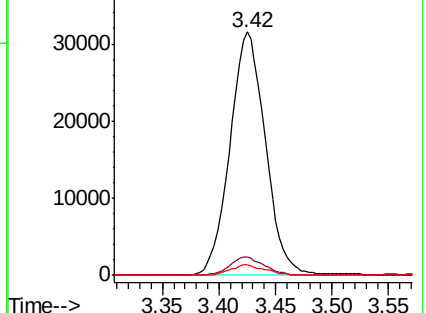
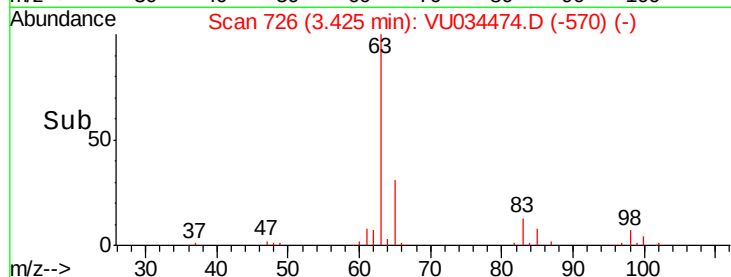
63 100

98 7.4 3.5 10.4

100 4.3 2.3 6.8



Abundance Ion 63.00 (62.70 to 63.70): VU034474.D (-707) (-)



#18

2-Butanone

Concen: 9.639 ug/l

RT: 4.26 min Scan# 987

Delta R.T. 0.01 min

Lab File: VU034474.D

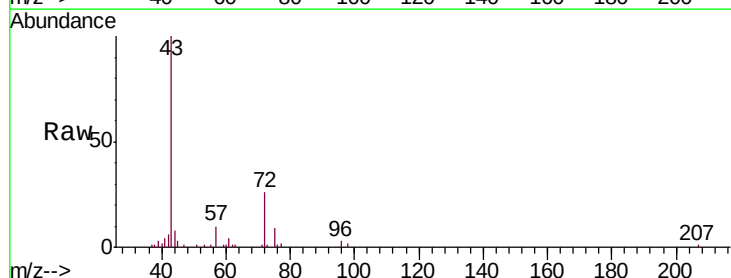
Acq: 11 Sep 2019 13:56

Tgt Ion: 43 Resp: 40847

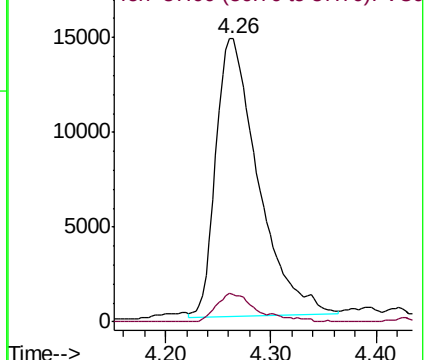
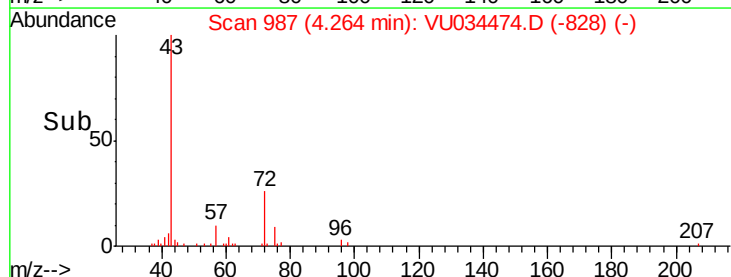
Ion Ratio Lower Upper

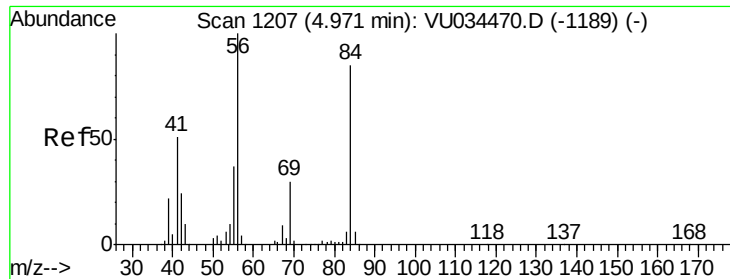
43 100

57 10.1 0.0 17.8



Abundance Ion 43.00 (42.70 to 43.70): VU034474.D (-828) (-)





#19

Cyclohexane

Concen: 1.605 ug/l

RT: 4.97 min Scan# 1206

Delta R.T. -0.00 min

Lab File: VU034474.D

Acq: 11 Sep 2019 13:56

Instrument :

MSVOA_U

ClientSampleId :

VU0911WBS01

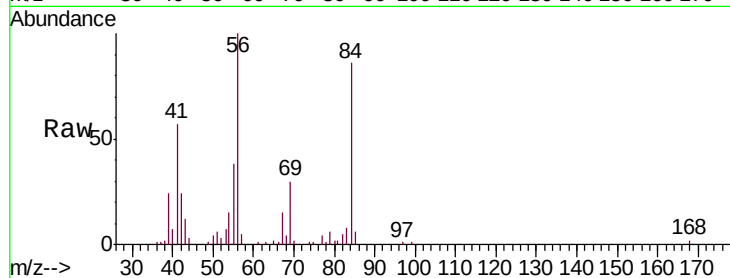
Tgt Ion: 56 Resp: 45363

Ion Ratio Lower Upper

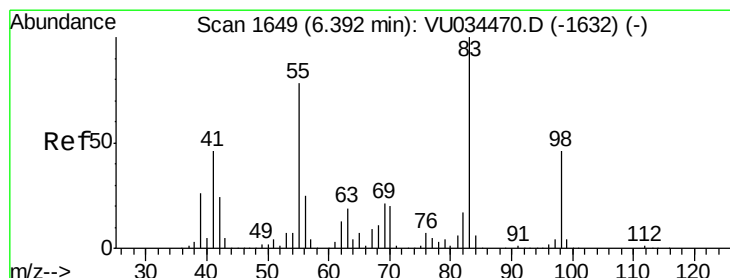
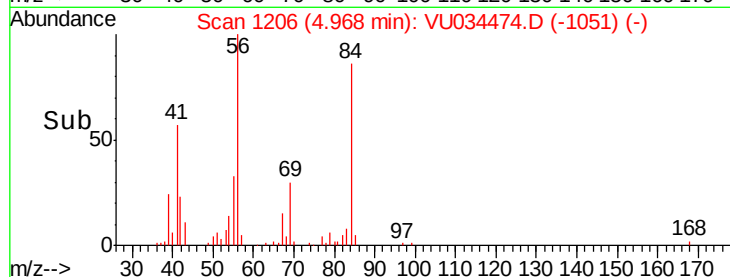
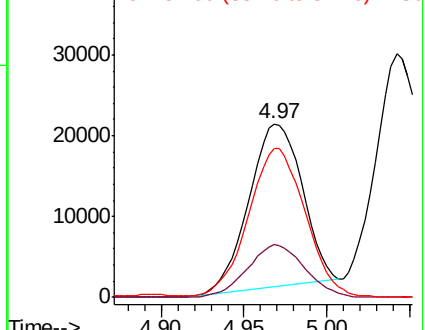
56 100

69 34.7 24.4 36.6

84 96.7 66.9 100.3



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



#20

Methylcyclohexane

Concen: 1.834 ug/l

RT: 6.39 min Scan# 1649

Delta R.T. 0.00 min

Lab File: VU034474.D

Acq: 11 Sep 2019 13:56

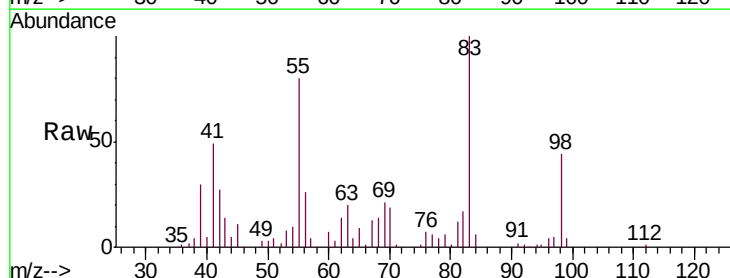
Tgt Ion: 83 Resp: 54076

Ion Ratio Lower Upper

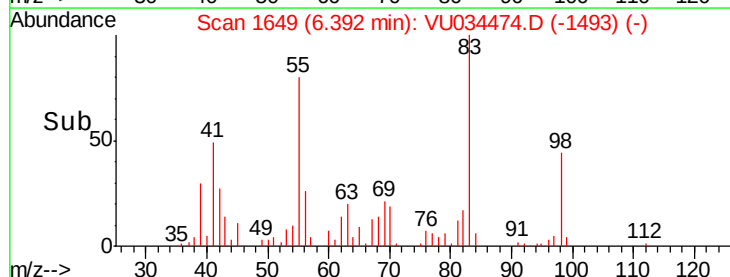
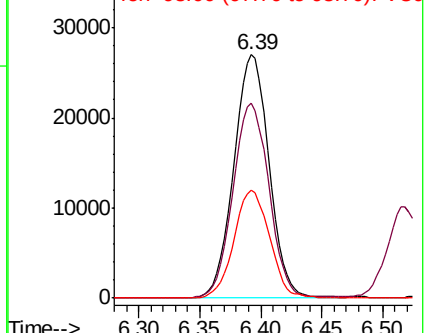
83 100

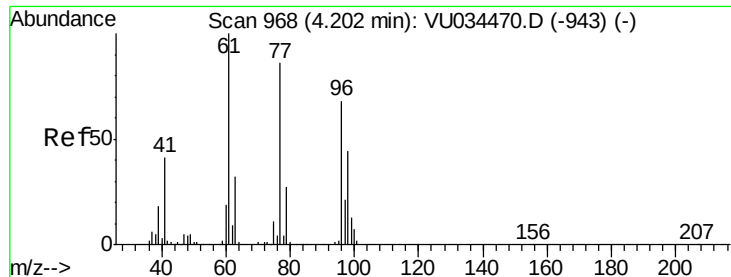
55 81.4 61.7 92.5

98 44.6 36.0 54.0



Abundance Ion 83.00 (82.70 to 83.70): VU0
Ion 55.00 (54.70 to 55.70): VU0
Ion 98.00 (97.70 to 98.70): VU0





#21

2,2-Dichloropropane

Concen: 1.836 ug/l

RT: 4.20 min Scan# 967

Delta R.T. -0.00 min

Lab File: VU034474.D

Acq: 11 Sep 2019 13:56

Instrument :

MSVOA_U

ClientSampleId :

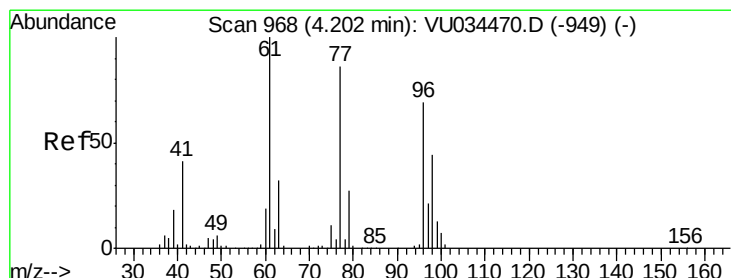
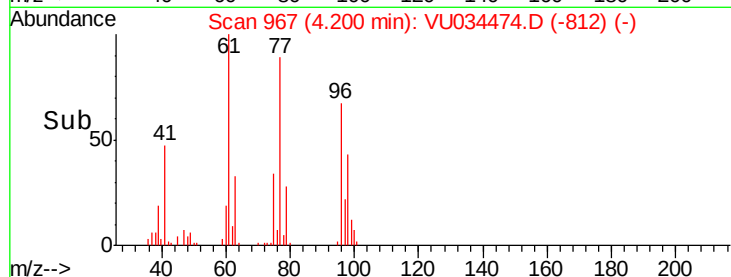
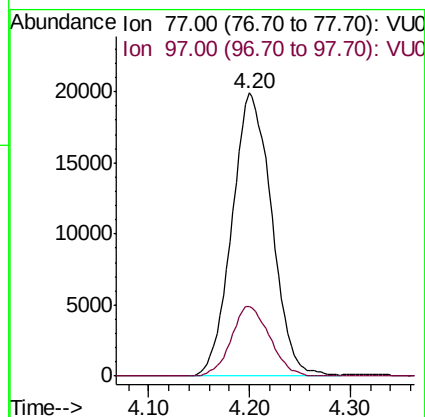
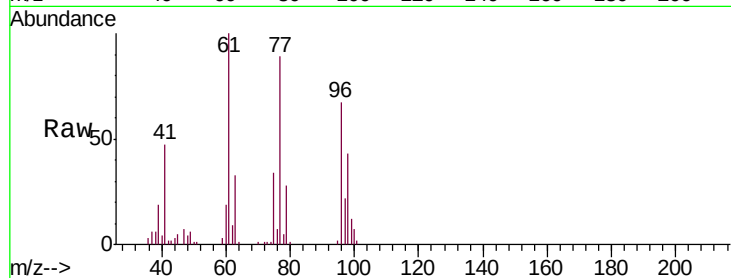
VU0911WBS01

Tgt Ion: 77 Resp: 54582

Ion Ratio Lower Upper

77 100

97 23.7 18.9 28.3



#22

cis-1,2-Dichloroethene

Concen: 1.855 ug/l

RT: 4.20 min Scan# 968

Delta R.T. 0.00 min

Lab File: VU034474.D

Acq: 11 Sep 2019 13:56

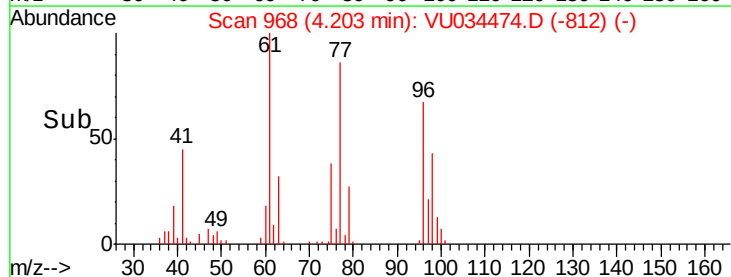
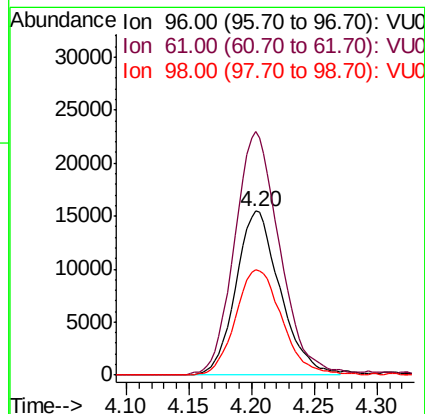
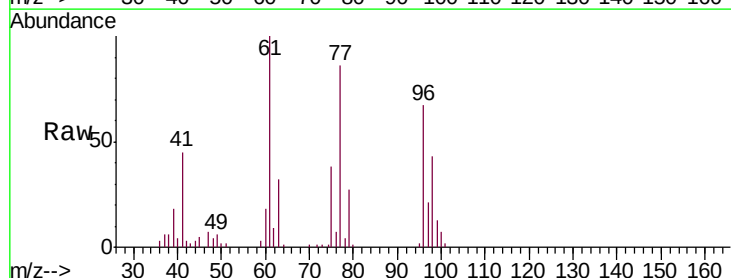
Tgt Ion: 96 Resp: 38043

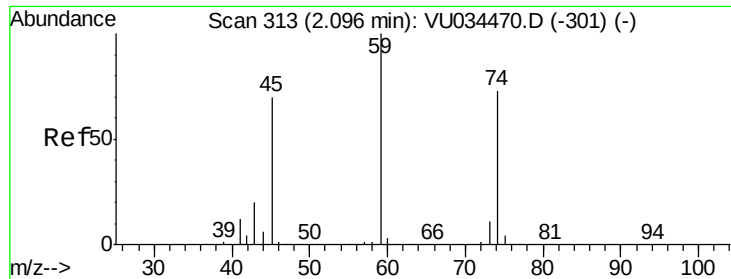
Ion Ratio Lower Upper

96 100

61 151.0 0.0 369.5

98 67.3 32.4 97.2

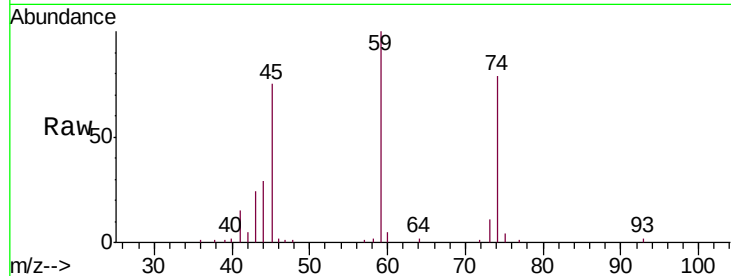




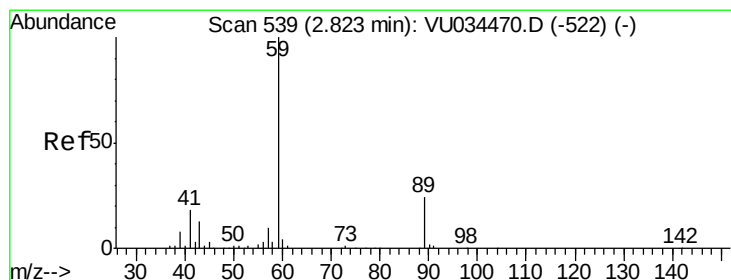
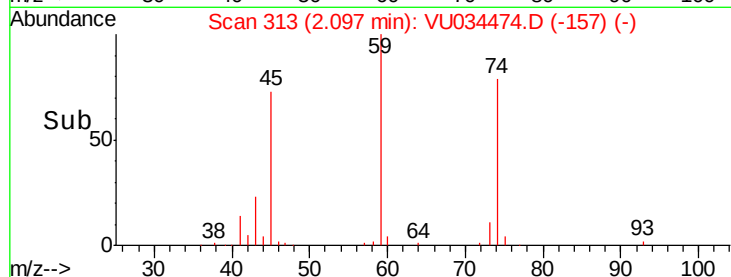
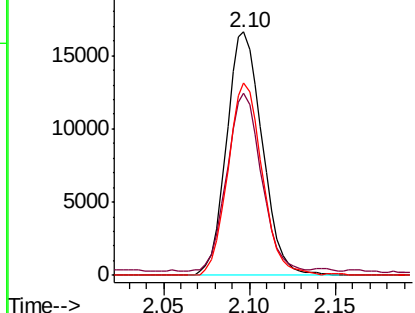
#23
Diethyl Ether
Concen: 1.906 ug/l
RT: 2.10 min Scan# 313
Delta R.T. 0.00 min
Lab File: VU034474.D
Acq: 11 Sep 2019 13:56

Instrument :
MSVOA_U
ClientSampleId :
VU0911WBS01

Tgt Ion: 59 Resp: 24135
Ion Ratio Lower Upper
59 100
45 69.8 56.3 84.5
74 75.8 58.2 87.2

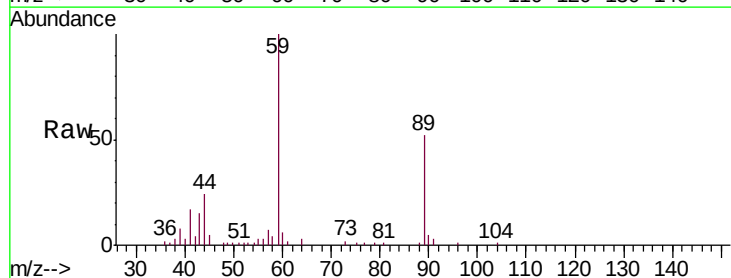


Abundance Ion 59.00 (58.70 to 59.70): VU0
Ion 45.00 (44.70 to 45.70): VU0
Ion 74.00 (73.70 to 74.70): VU0

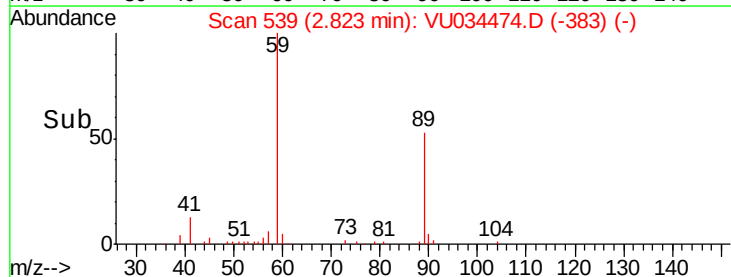
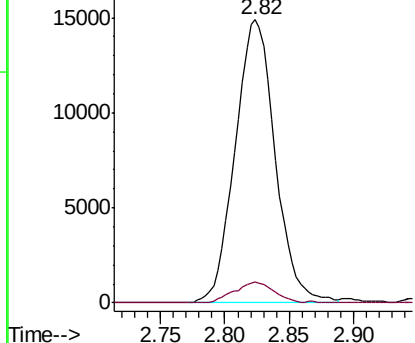


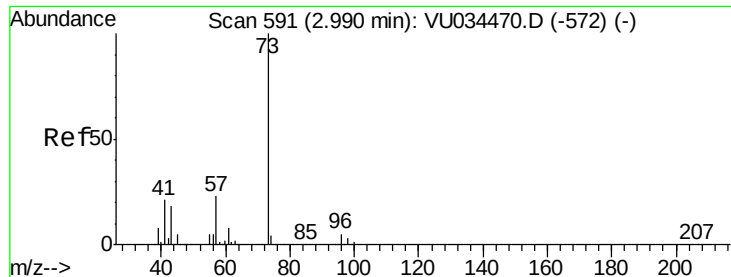
#24
tert-Butyl Alcohol
Concen: 19.503 ug/l
RT: 2.82 min Scan# 539
Delta R.T. 0.00 min
Lab File: VU034474.D
Acq: 11 Sep 2019 13:56

Tgt Ion: 59 Resp: 32229
Ion Ratio Lower Upper
59 100
57 7.2 7.3 10.9#



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



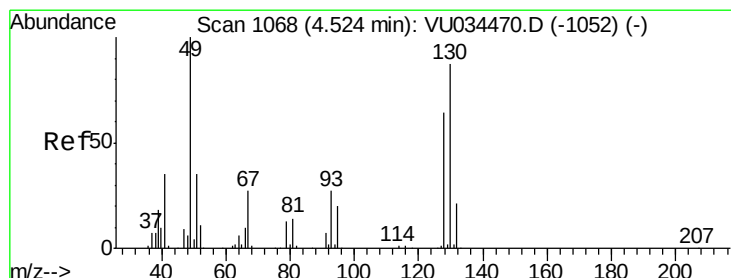
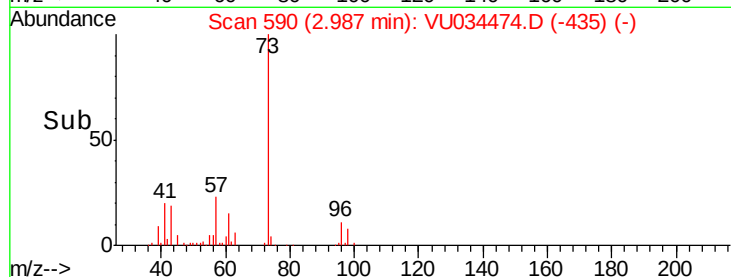
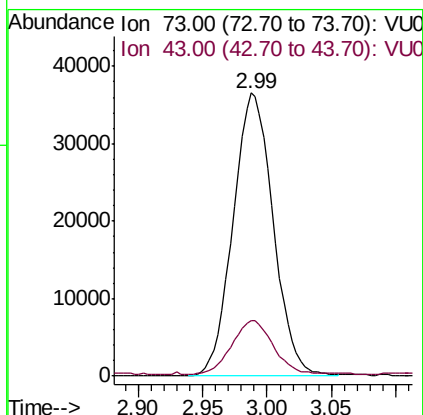
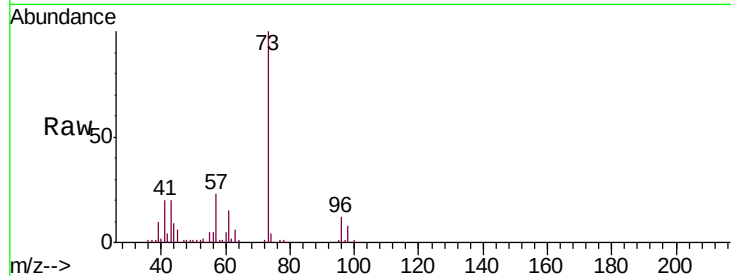


#25

Methyl tert-Butyl Ether
 Concen: 1.956 ug/l
 RT: 2.99 min Scan# 590
 Delta R.T. -0.00 min
 Lab File: VU034474.D
 Acq: 11 Sep 2019 13:56

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0911WBS01

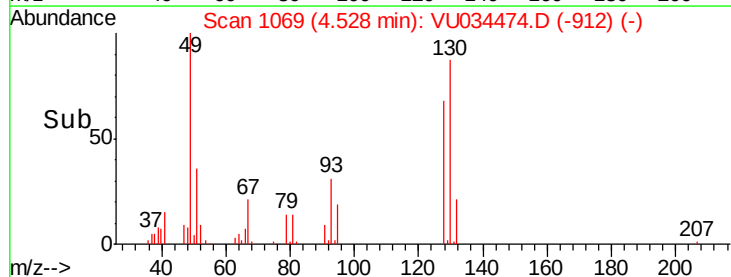
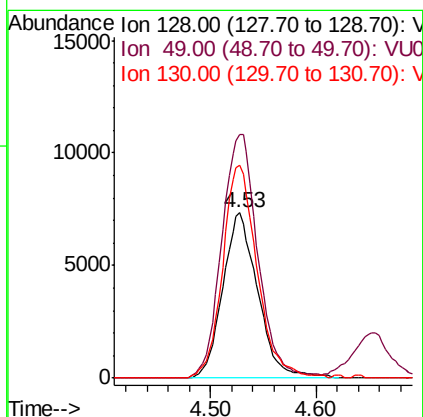
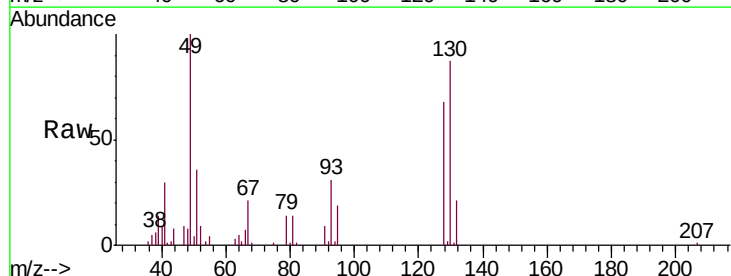
Tgt Ion: 73 Resp: 79256
 Ion Ratio Lower Upper
 73 100
 43 19.2 14.4 21.6

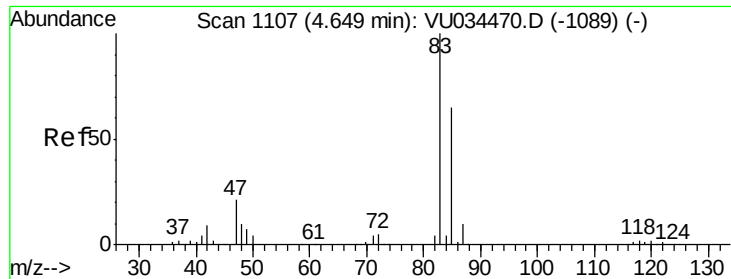


#26

Bromochloromethane
 Concen: 1.943 ug/l
 RT: 4.53 min Scan# 1069
 Delta R.T. 0.00 min
 Lab File: VU034474.D
 Acq: 11 Sep 2019 13:56

Tgt Ion: 128 Resp: 16854
 Ion Ratio Lower Upper
 128 100
 49 151.3 0.0 309.8
 130 126.1 105.0 157.6

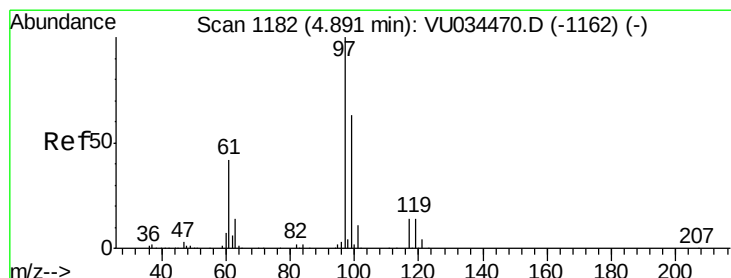
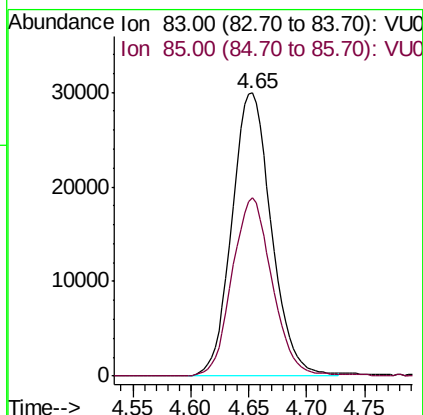
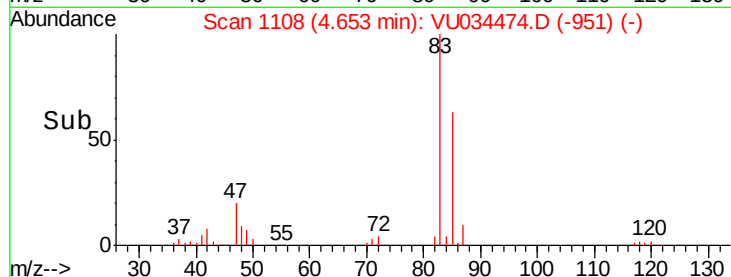
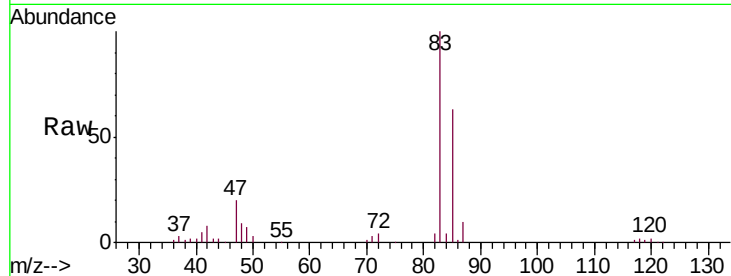




#27
Chloroform
Concen: 1.887 ug/l
RT: 4.65 min Scan# 1108
Delta R.T. 0.00 min
Lab File: VU034474.D
Acq: 11 Sep 2019 13:56

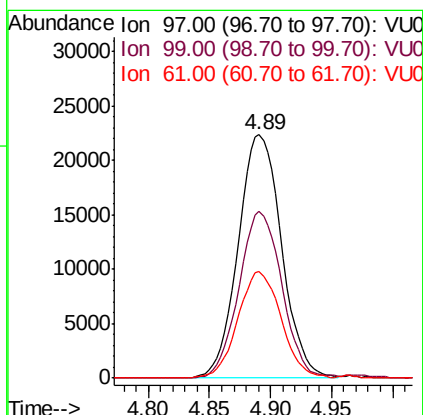
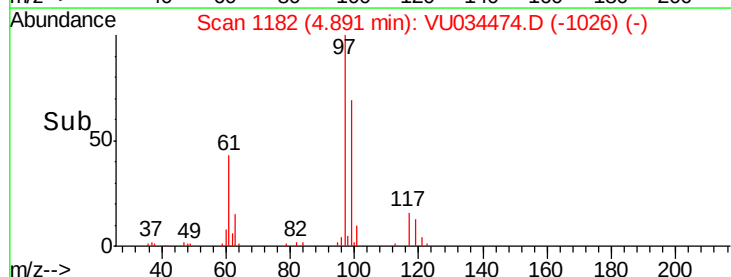
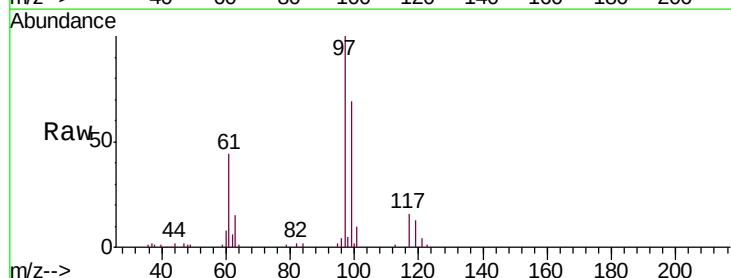
Instrument :
MSVOA_U
ClientSampleId :
VU0911WBS01

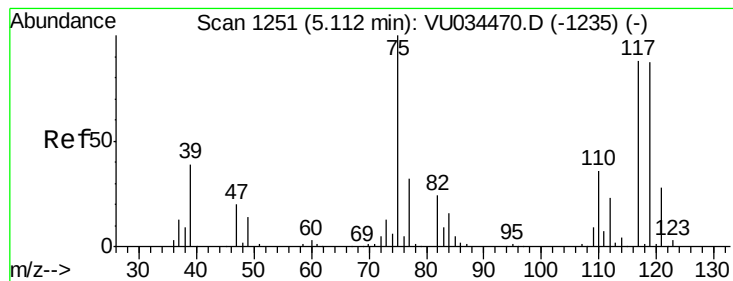
Tgt Ion: 83 Resp: 70750
Ion Ratio Lower Upper
83 100
85 63.1 0.0 130.2



#28
1,1,1-Trichloroethane
Concen: 1.875 ug/l
RT: 4.89 min Scan# 1182
Delta R.T. 0.00 min
Lab File: VU034474.D
Acq: 11 Sep 2019 13:56

Tgt Ion: 97 Resp: 55150
Ion Ratio Lower Upper
97 100
99 67.6 32.0 96.2
61 43.5 21.4 64.3





#29

1,1-Dichloropropene

Concen: 1.788 ug/l

RT: 5.11 min Scan# 1251

Delta R.T. 0.00 min

Lab File: VU034474.D

Acq: 11 Sep 2019 13:56

Instrument :

MSVOA_U

ClientSampleId :

VU0911WBS01

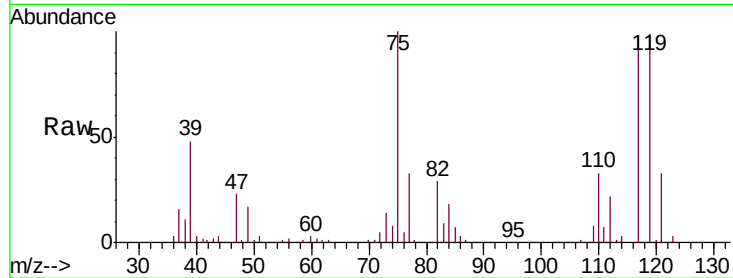
Tgt Ion: 75 Resp: 45439

Ion Ratio Lower Upper

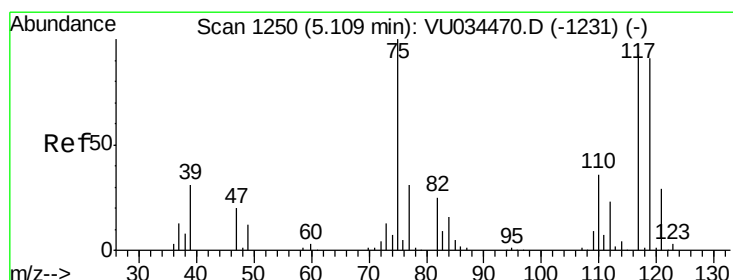
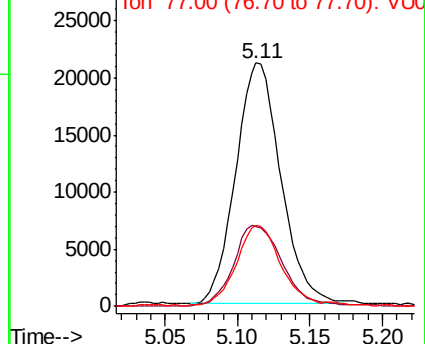
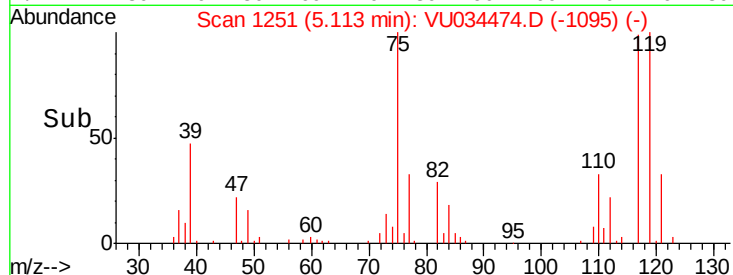
75 100

110 36.4 18.4 55.2

77 33.5 25.0 37.6



Abundance Ion 75.00 (74.70 to 75.70): VU034474.D (-1095) (-)



#30

Carbon Tetrachloride

Concen: 1.897 ug/l

RT: 5.11 min Scan# 1250

Delta R.T. 0.00 min

Lab File: VU034474.D

Acq: 11 Sep 2019 13:56

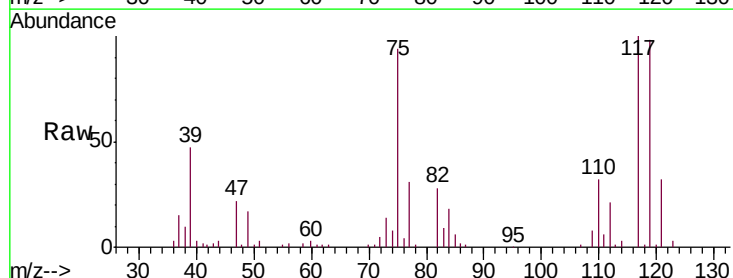
Tgt Ion: 117 Resp: 50000

Ion Ratio Lower Upper

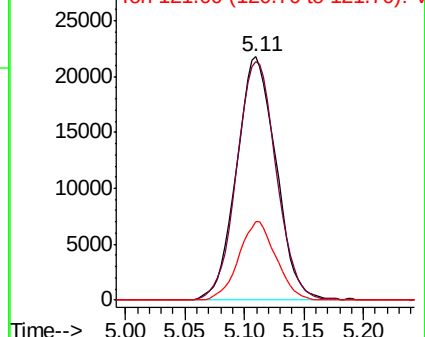
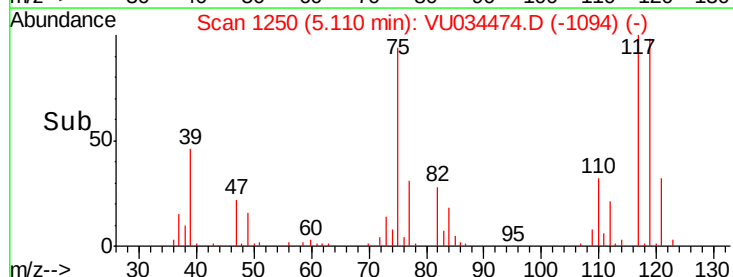
117 100

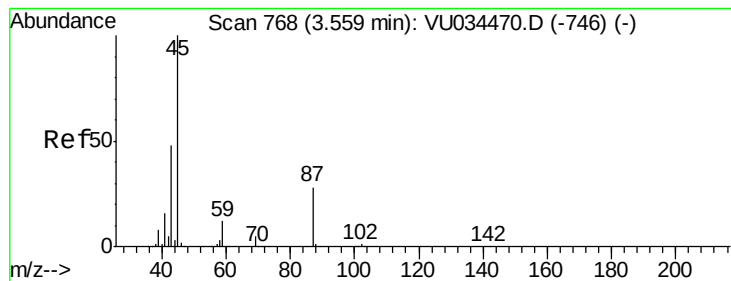
119 98.2 78.5 117.7

121 32.0 25.3 37.9



Abundance Ion 117.00 (116.70 to 117.70): VU034474.D (-1094) (-)





#31

Isopropyl Ether

Concen: 1.916 ug/l

RT: 3.56 min Scan# 768

Delta R.T. 0.00 min

Lab File: VU034474.D

Acq: 11 Sep 2019 13:56

Instrument :

MSVOA_U

ClientSampleId :

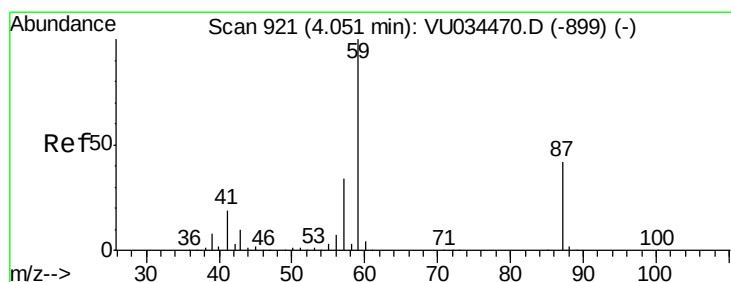
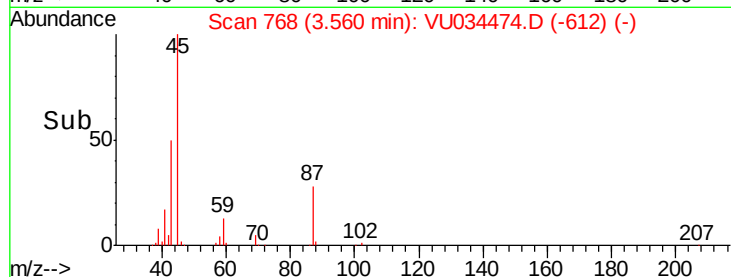
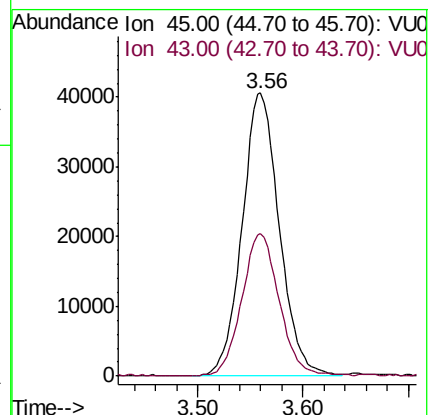
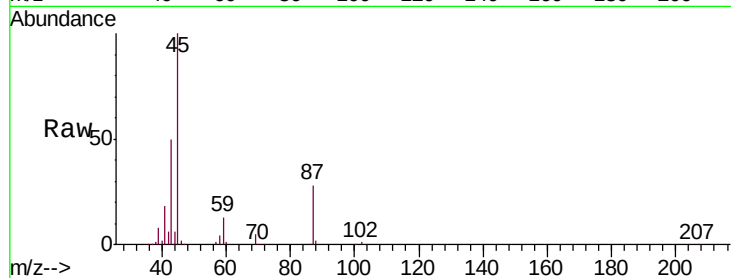
VU0911WBS01

Tgt Ion: 45 Resp: 99506

Ion Ratio Lower Upper

45 100

43 50.8 24.8 74.3



#32

Ethyl-t-butyl ether

Concen: 1.892 ug/l

RT: 4.05 min Scan# 921

Delta R.T. 0.00 min

Lab File: VU034474.D

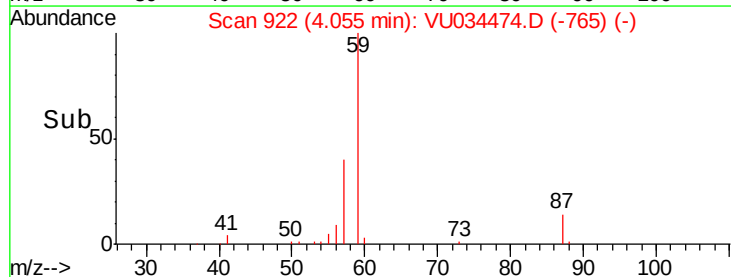
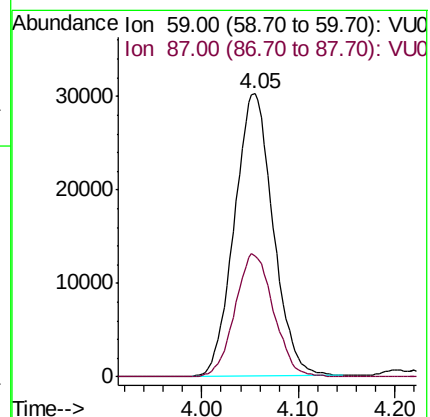
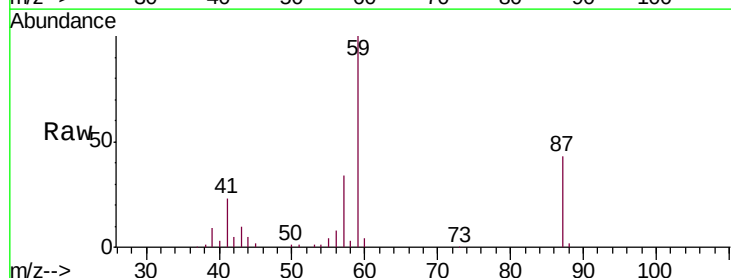
Acq: 11 Sep 2019 13:56

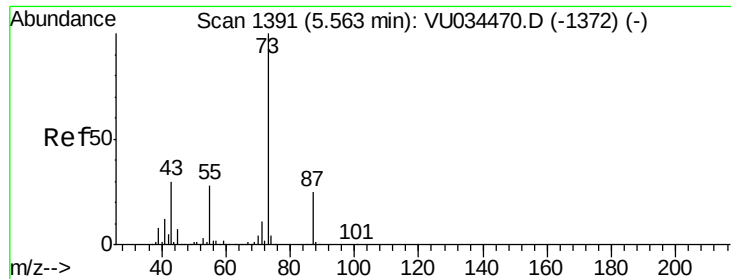
Tgt Ion: 59 Resp: 84089

Ion Ratio Lower Upper

59 100

87 43.5 33.6 50.4

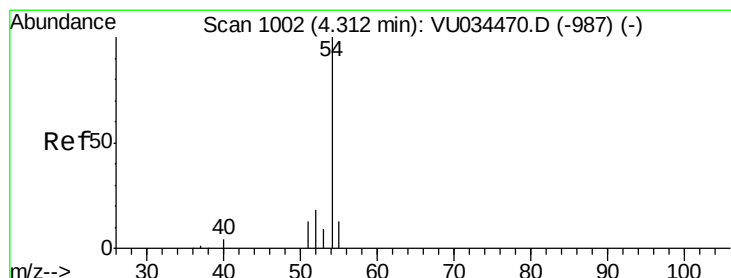
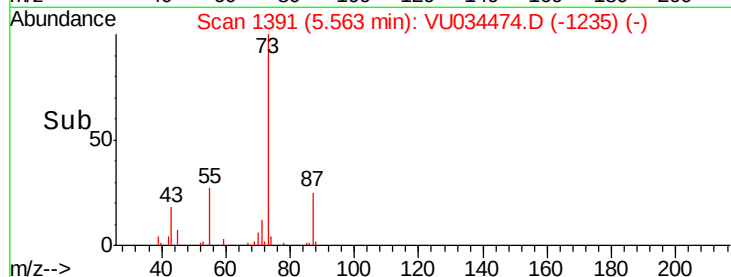
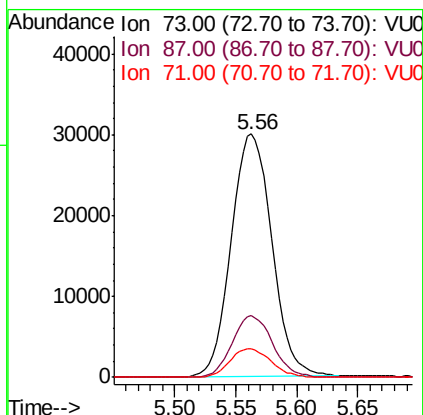
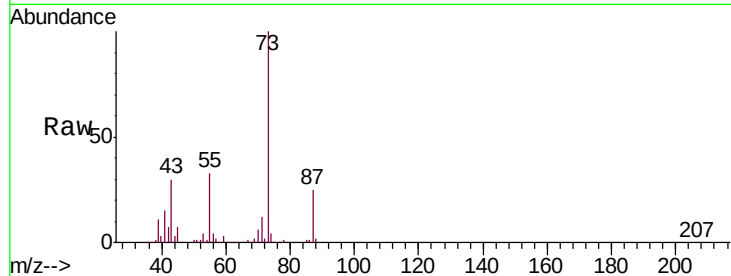




#33
Tert-Amyl methyl ether
Concen: 1.864 ug/l
RT: 5.56 min Scan# 1391
Delta R.T. 0.00 min
Lab File: VU034474.D
Acq: 11 Sep 2019 13:56

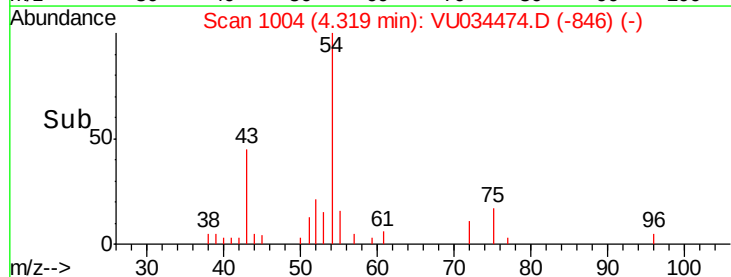
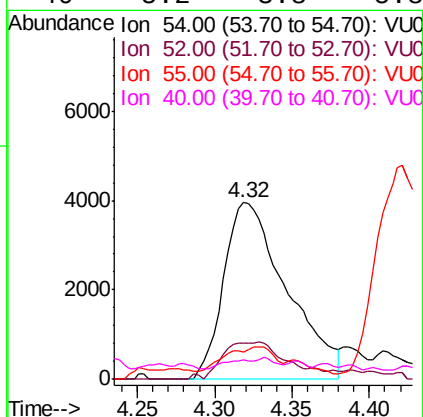
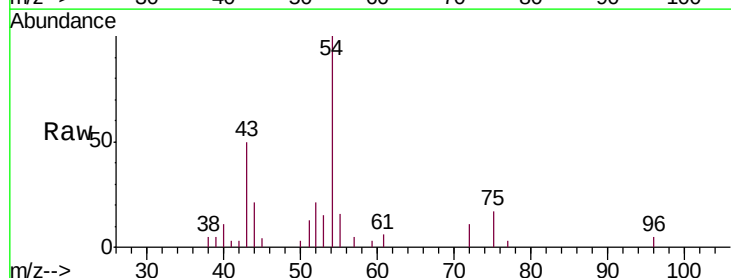
Instrument :
MSVOA_U
ClientSampleId :
VU0911WBS01

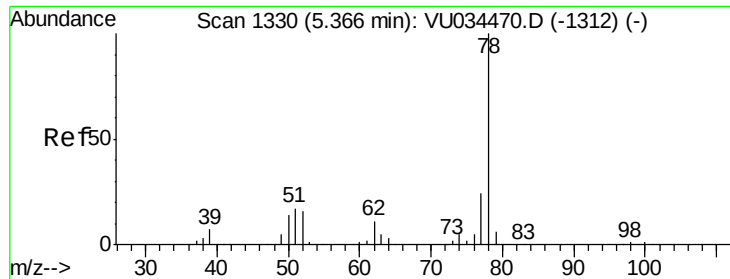
Tgt Ion: 73 Resp: 69394
Ion Ratio Lower Upper
73 100
87 25.2 19.4 29.0
71 11.9 9.3 13.9



#34
Propionitrile
Concen: 9.282 ug/l
RT: 4.32 min Scan# 1004
Delta R.T. 0.01 min
Lab File: VU034474.D
Acq: 11 Sep 2019 13:56

Tgt Ion: 54 Resp: 11167
Ion Ratio Lower Upper
54 100
52 9.4 14.1 21.1#
55 10.1 13.3 19.9#
40 5.2 3.8 5.8





#35

Benzene

Concen: 1.890 ug/l

RT: 5.37 min Scan# 1330

Delta R.T. 0.00 min

Lab File: VU034474.D

Acq: 11 Sep 2019 13:56

Instrument :

MSVOA_U

ClientSampleId :

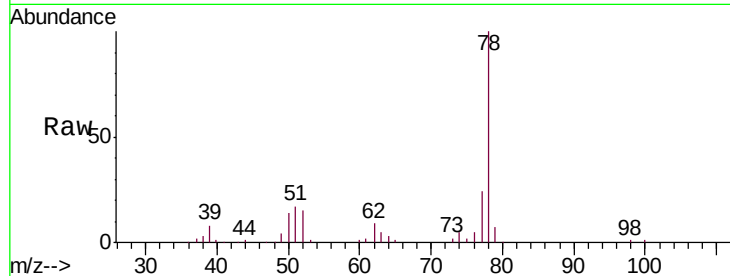
VU0911WBS01

Tgt Ion: 78 Resp: 144104

Ion Ratio Lower Upper

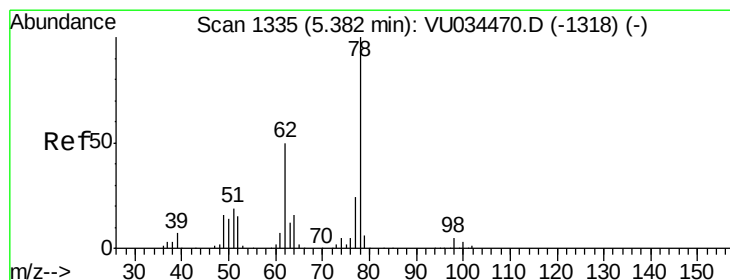
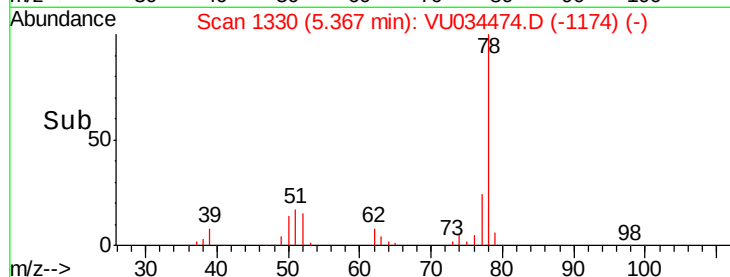
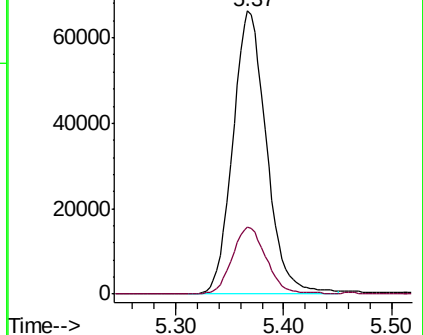
78 100

77 23.6 19.3 28.9



Abundance Ion 78.10 (77.80 to 78.80): VU034474.D (-1174) (-)

Ion 77.00 (76.70 to 77.70): VU034474.D (-1174) (-)



#36

1,2-Dichloroethane

Concen: 1.974 ug/l

RT: 5.39 min Scan# 1336

Delta R.T. 0.00 min

Lab File: VU034474.D

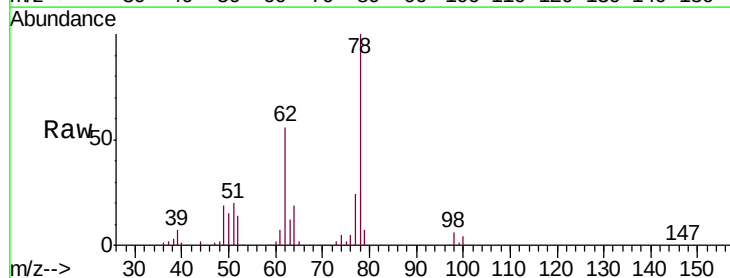
Acq: 11 Sep 2019 13:56

Tgt Ion: 62 Resp: 38646

Ion Ratio Lower Upper

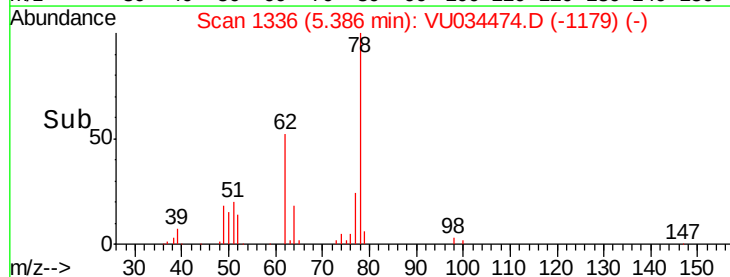
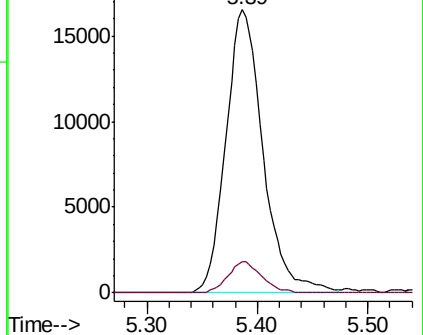
62 100

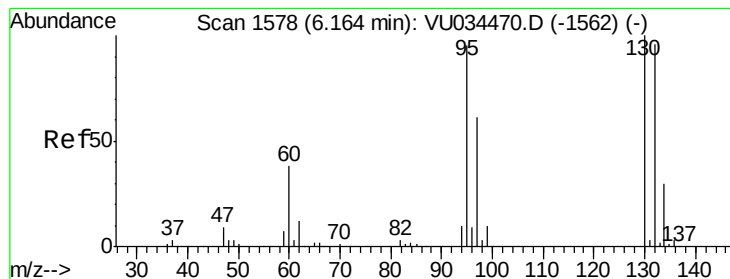
98 10.0 8.0 12.0



Abundance Ion 62.00 (61.70 to 62.70): VU034474.D (-1179) (-)

Ion 98.00 (97.70 to 98.70): VU034474.D (-1179) (-)





#37

Trichloroethene

Concen: 1.905 ug/l

RT: 6.16 min Scan# 1578

Delta R.T. 0.00 min

Lab File: VU034474.D

Acq: 11 Sep 2019 13:56

Instrument :

MSVOA_U

ClientSampleId :

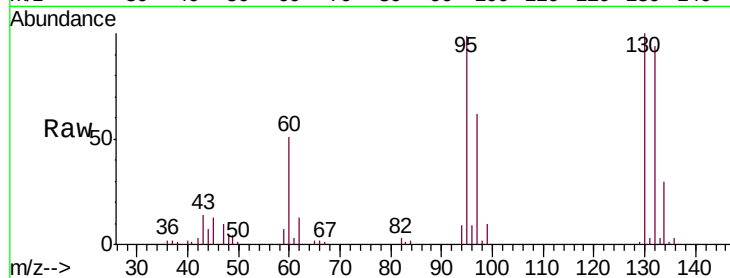
VU0911WBS01

Tgt Ion:130 Resp: 40636

Ion Ratio Lower Upper

130 100

95 99.1 76.3 114.5



Abundance Ion 129.90 (129.60 to 130.60): VU034474.D (-1562) (-)

Ion 94.90 (94.60 to 95.60): VU034474.D (-1562) (-)

6.16

20000

15000

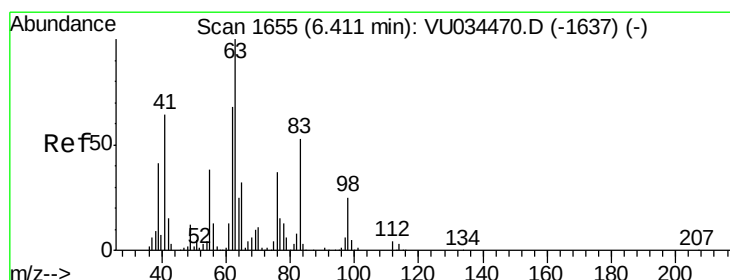
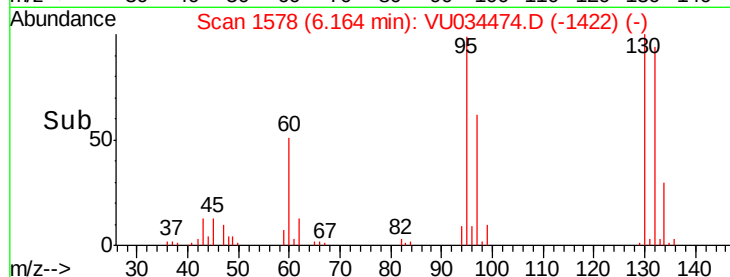
10000

5000

0

6.10 6.20 6.30

Time-->



#38

1,2-Dichloropropane

Concen: 1.905 ug/l

RT: 6.41 min Scan# 1655

Delta R.T. 0.00 min

Lab File: VU034474.D

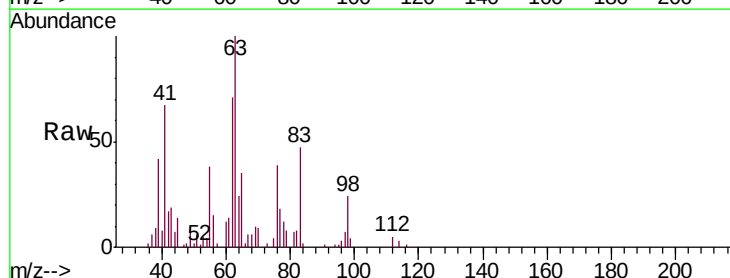
Acq: 11 Sep 2019 13:56

Tgt Ion: 63 Resp: 38478

Ion Ratio Lower Upper

63 100

65 35.0 25.4 38.2



Abundance Ion 63.00 (62.70 to 63.70): VU034474.D (-1499) (-)

Ion 65.00 (64.70 to 65.70): VU034474.D (-1499) (-)

6.41

20000

15000

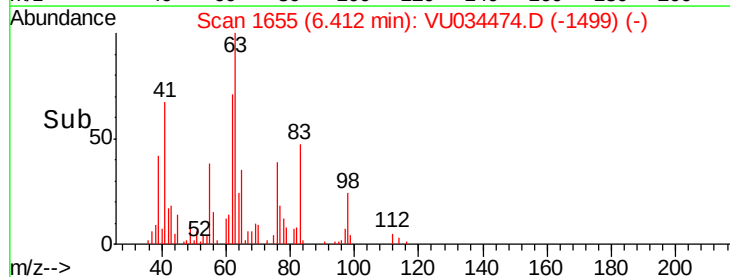
10000

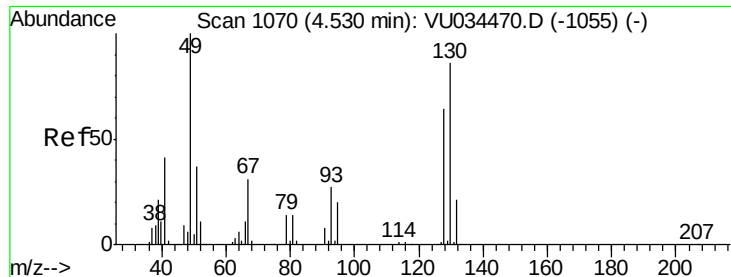
5000

0

6.35 6.40 6.45 6.50

Time-->

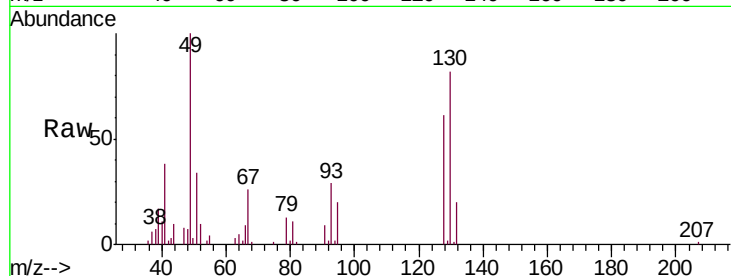




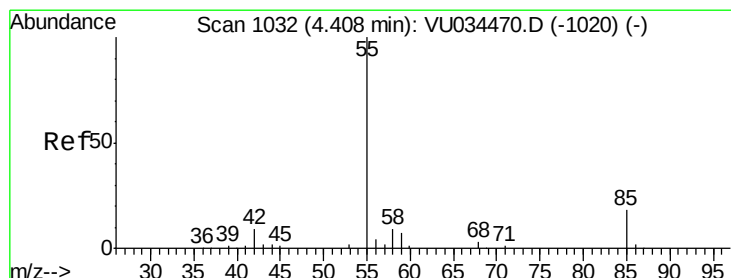
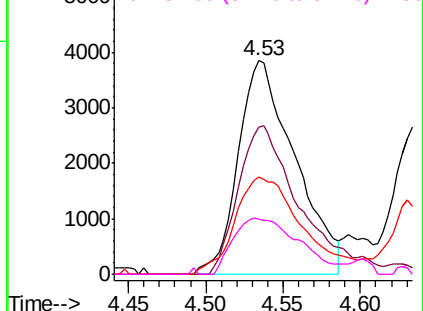
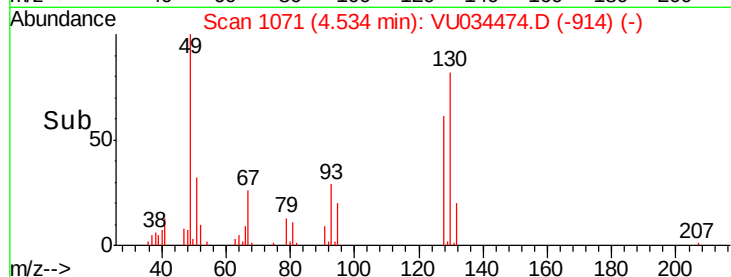
#39
Methacrylonitrile
Concen: 1.974 ug/l
RT: 4.53 min Scan# 1071
Delta R.T. 0.00 min
Lab File: VU034474.D
Acq: 11 Sep 2019 13:56

Instrument :
MSVOA_U
ClientSampleId :
VU0911WBS01

Tgt Ion:	41	Resp:	9829
Ion	Ratio	Lower	Upper
41	100		
67	75.2	62.6	94.0
39	53.6	41.6	62.4
52	30.8	25.3	37.9

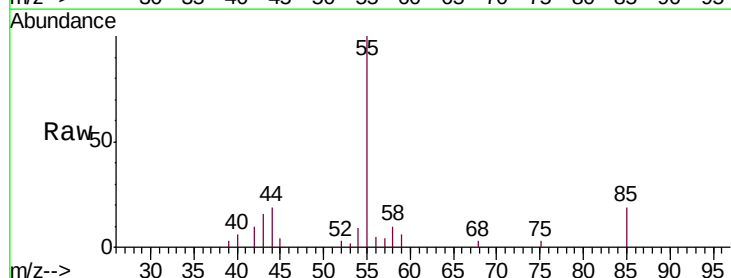


Abundance Ion 41.00 (40.70 to 41.70): VU0
Ion 67.00 (66.70 to 67.70): VU0
Ion 39.00 (38.70 to 39.70): VU0
Ion 52.00 (51.70 to 52.70): VU0

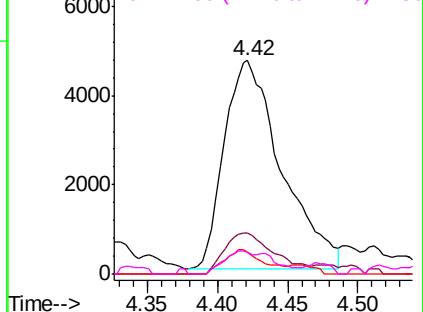
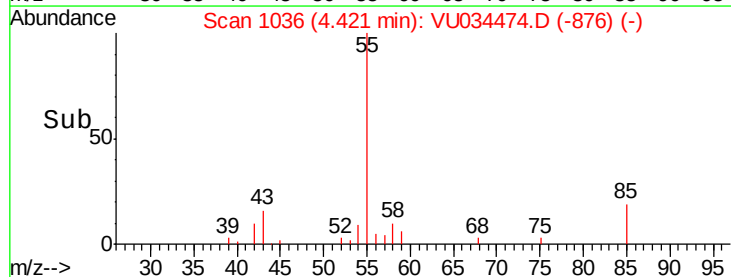


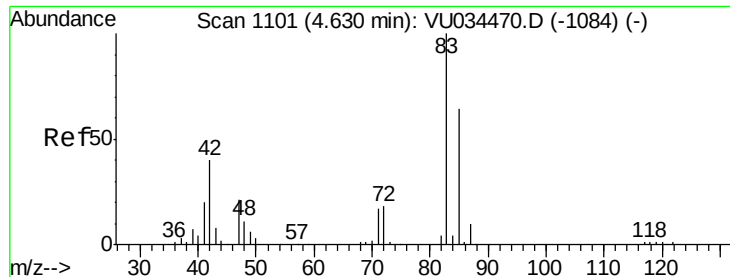
#40
Methyl acrylate
Concen: 1.736 ug/l
RT: 4.42 min Scan# 1036
Delta R.T. 0.01 min
Lab File: VU034474.D
Acq: 11 Sep 2019 13:56

Tgt Ion:	55	Resp:	13170
Ion	Ratio	Lower	Upper
55	100		
85	17.3	13.8	20.6
58	7.8	7.0	10.6
42	6.0	6.9	10.3#



Abundance Ion 55.00 (54.70 to 55.70): VU0
Ion 85.00 (84.70 to 85.70): VU0
Ion 58.00 (57.70 to 58.70): VU0
Ion 42.00 (41.70 to 42.70): VU0





#41

Tetrahydrofuran

Concen: 3.951 ug/l

RT: 4.63 min Scan# 1102

Delta R.T. 0.00 min

Lab File: VU034474.D

Acq: 11 Sep 2019 13:56

Instrument :

MSVOA_U

ClientSampleId :

VU0911WBS01

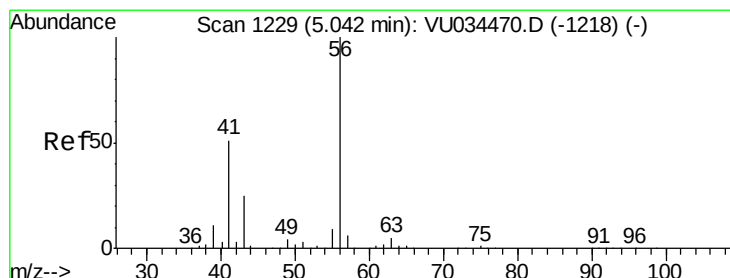
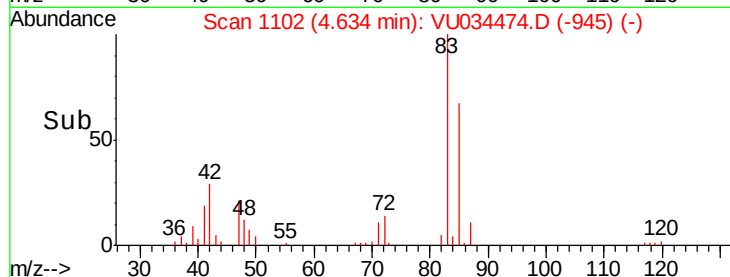
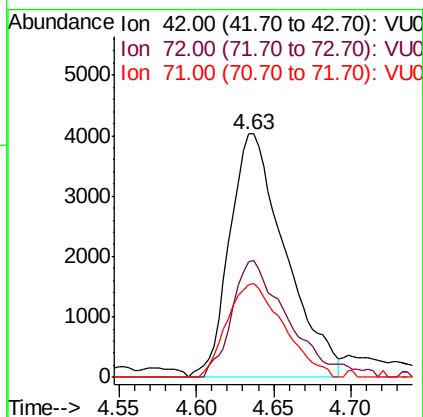
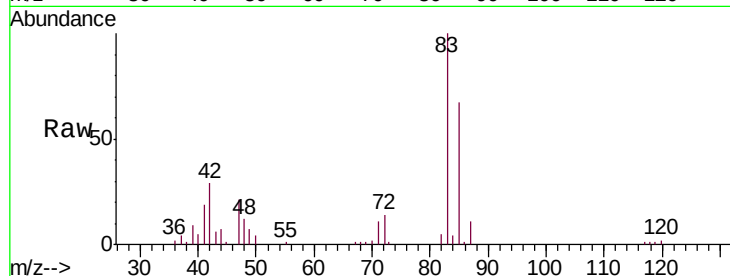
Tgt Ion: 42 Resp: 10077

Ion Ratio Lower Upper

42 100

72 48.6 39.6 59.4

71 39.1 33.6 50.4



#42

1-Chlorobutane

Concen: 1.887 ug/l

RT: 5.04 min Scan# 1229

Delta R.T. 0.00 min

Lab File: VU034474.D

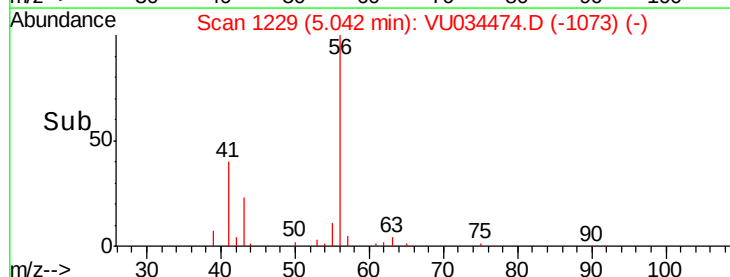
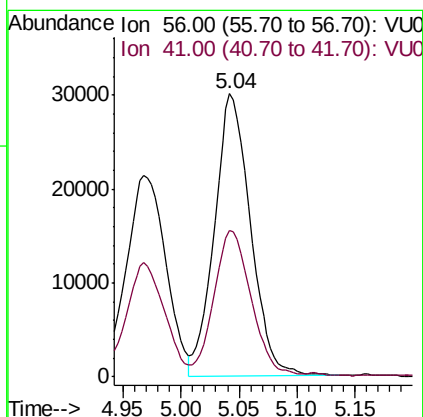
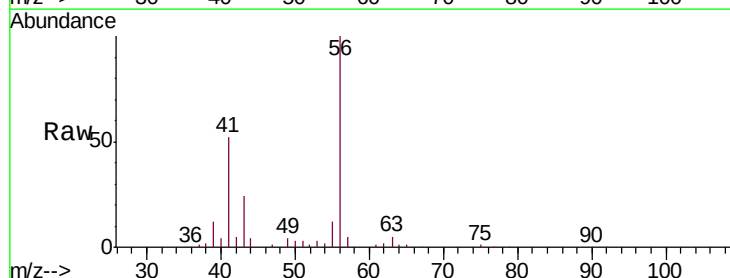
Acq: 11 Sep 2019 13:56

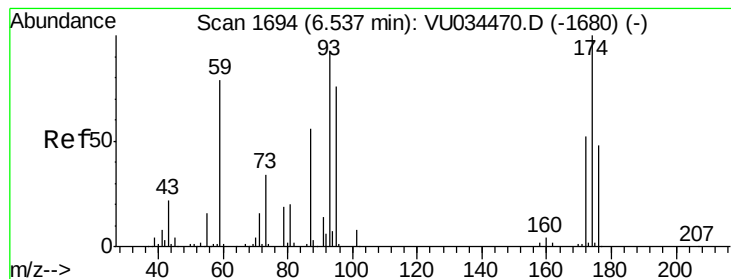
Tgt Ion: 56 Resp: 65169

Ion Ratio Lower Upper

56 100

41 51.5 25.5 76.5





#43

Dibromomethane

Concen: 1.840 ug/l

RT: 6.54 min Scan# 1695

Delta R.T. 0.00 min

Lab File: VU034474.D

Acq: 11 Sep 2019 13:56

Instrument :

MSVOA_U

ClientSampleId :

VU0911WBS01

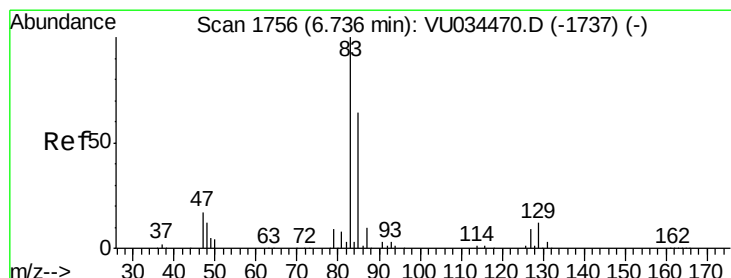
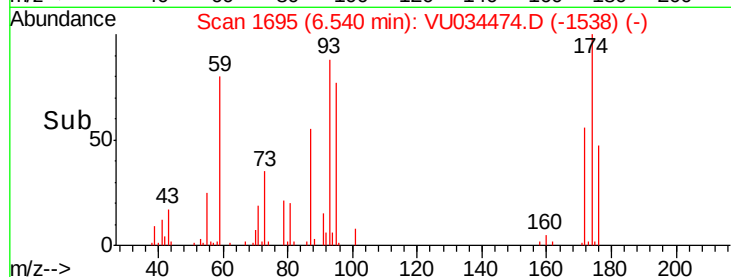
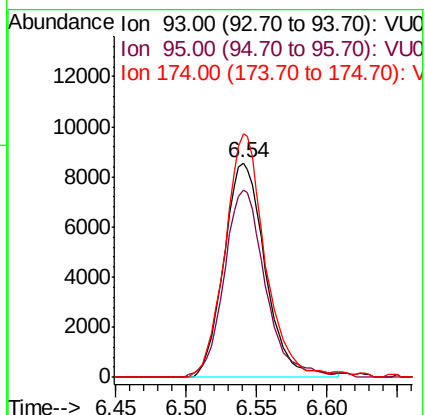
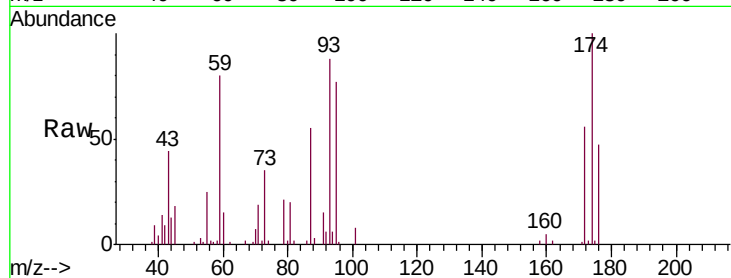
Tgt Ion: 93 Resp: 17493

Ion Ratio Lower Upper

93 100

95 87.0 67.1 100.7

174 111.1 88.7 133.1



#44

Bromodichloromethane

Concen: 1.919 ug/l

RT: 6.74 min Scan# 1756

Delta R.T. 0.00 min

Lab File: VU034474.D

Acq: 11 Sep 2019 13:56

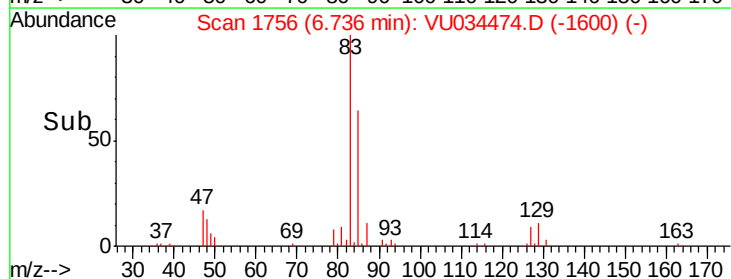
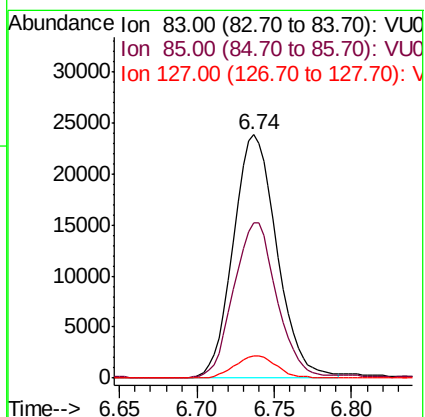
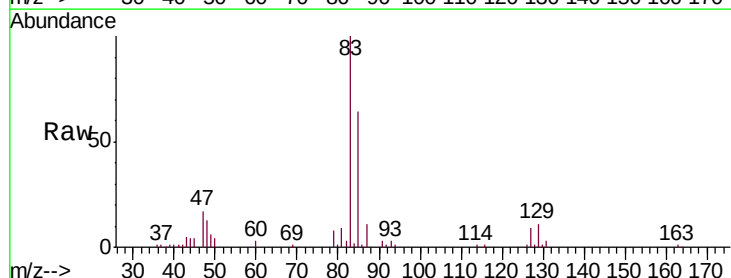
Tgt Ion: 83 Resp: 46867

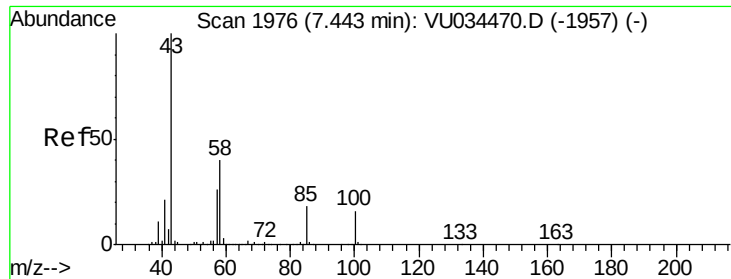
Ion Ratio Lower Upper

83 100

85 63.9 51.1 76.7

127 8.9 7.1 10.7

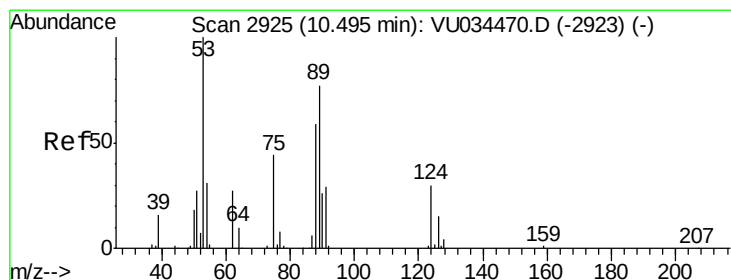
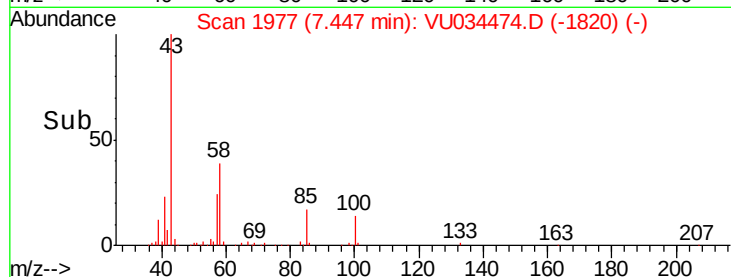
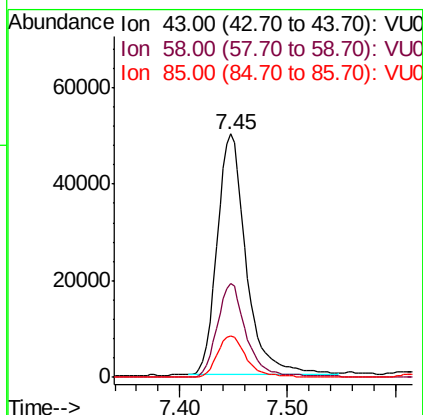
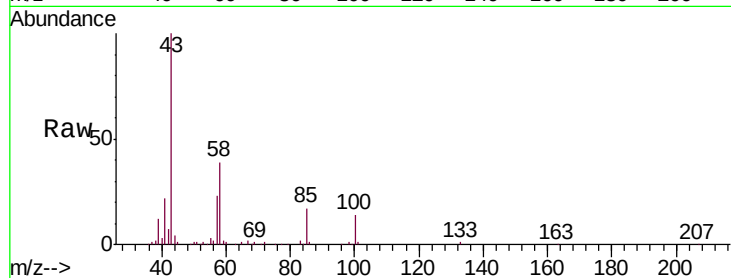




#45
 4-Methyl-2-Pentanone
 Concen: 9.724 ug/l
 RT: 7.45 min Scan# 1977
 Delta R.T. 0.00 min
 Lab File: VU034474.D
 Acq: 11 Sep 2019 13:56

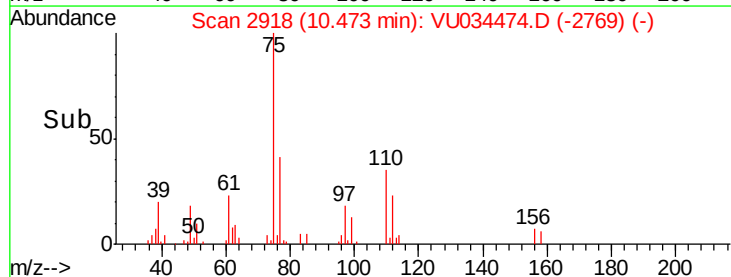
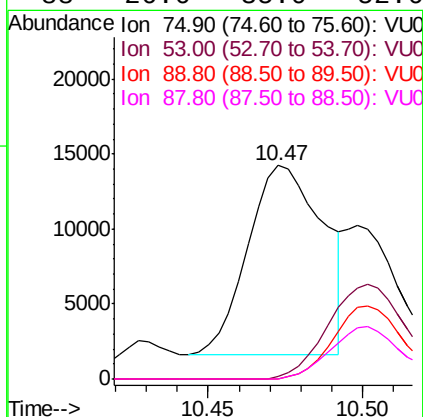
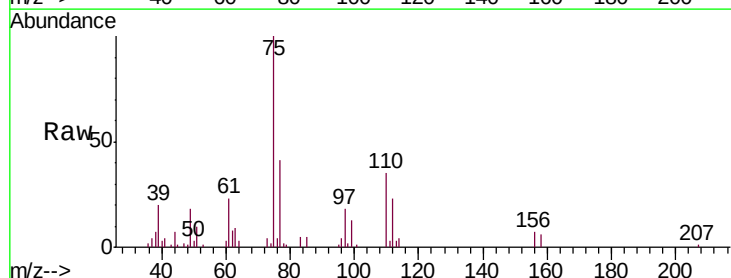
Instrument :
 MSVOA_U
 ClientSampleId :
 VU0911WBS01

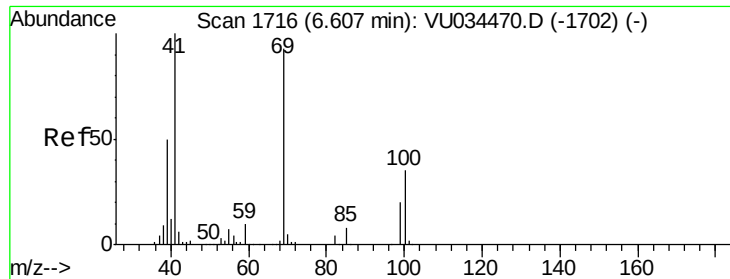
Tgt Ion: 43 Resp: 93715
 Ion Ratio Lower Upper
 43 100
 58 39.5 20.2 60.6
 85 17.3 14.6 21.8



#46
 t-1,4-Dichloro-2-butene
 Concen: 5.612 ug/l
 RT: 10.47 min Scan# 2918
 Delta R.T. -0.02 min
 Lab File: VU034474.D
 Acq: 11 Sep 2019 13:56

Tgt Ion: 75 Resp: 21558
 Ion Ratio Lower Upper
 75 100
 53 53.6 63.3 94.9#
 89 37.2 46.2 69.2#
 88 26.6 35.0 52.6#

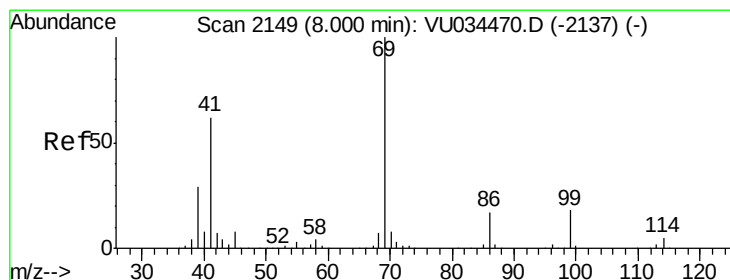
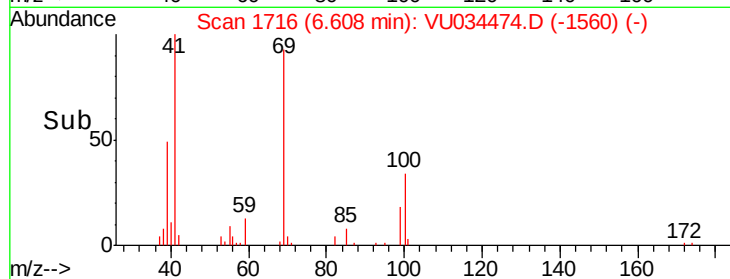
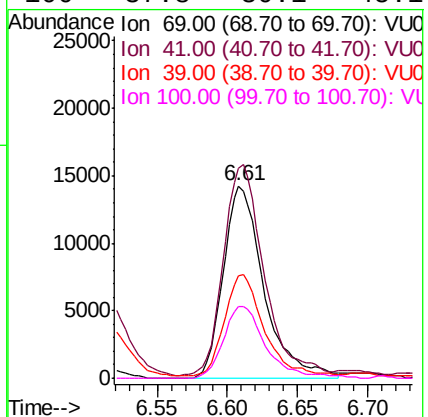
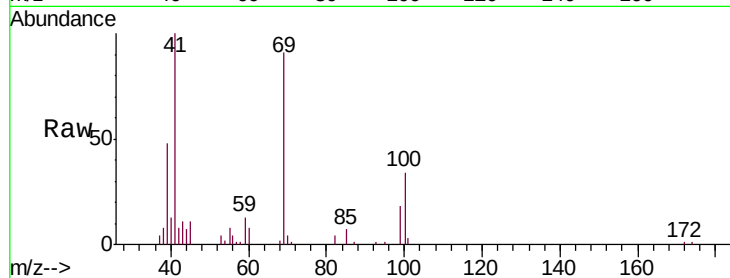




#47
Methyl methacrylate
Concen: 3.780 ug/l
RT: 6.61 min Scan# 1716
Delta R.T. 0.00 min
Lab File: VU034474.D
Acq: 11 Sep 2019 13:56

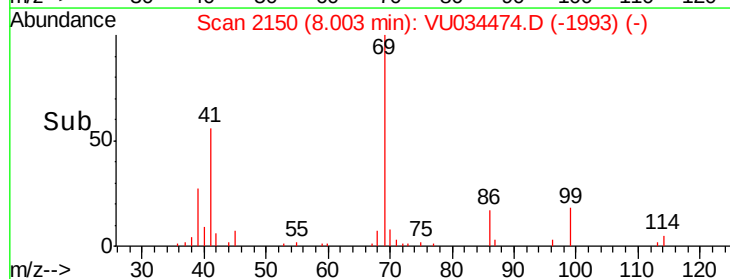
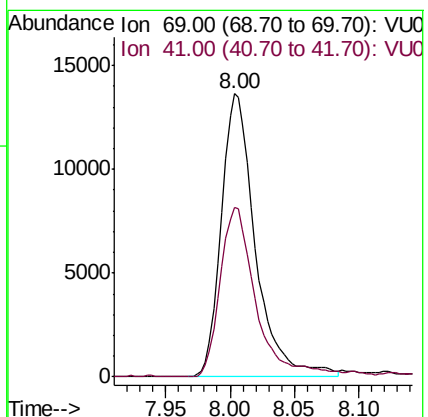
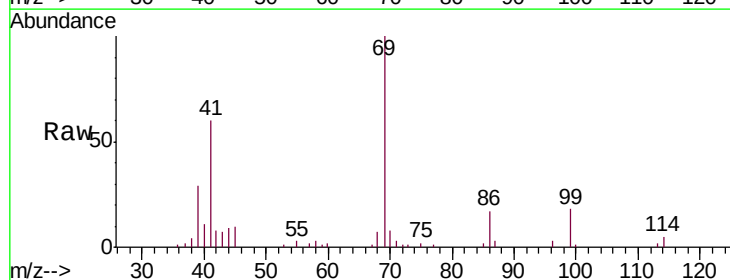
Instrument :
MSVOA_U
ClientSampleId :
VU0911WBS01

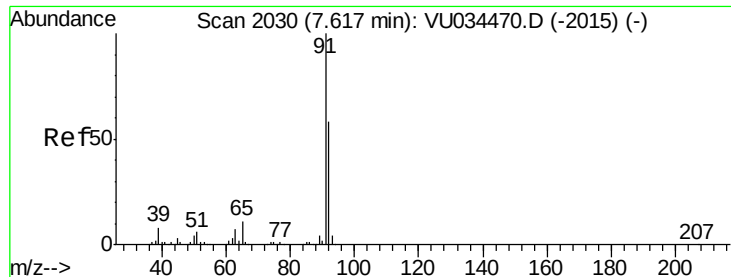
Tgt Ion:	69	Resp:	28658
Ion	Ratio	Lower	Upper
69	100		
41	109.1	0.0	212.8
39	51.0	43.0	64.4
100	37.8	30.1	45.1



#48
Ethyl methacrylate
Concen: 1.839 ug/l
RT: 8.00 min Scan# 2150
Delta R.T. 0.00 min
Lab File: VU034474.D
Acq: 11 Sep 2019 13:56

Tgt Ion:	69	Resp:	25049
Ion	Ratio	Lower	Upper
69	100		
41	63.0	30.6	91.8





#49

Toluene

Concen: 1.866 ug/l

RT: 7.62 min Scan# 2030

Delta R.T. 0.00 min

Lab File: VU034474.D

Acq: 11 Sep 2019 13:56

Instrument :

MSVOA_U

ClientSampleId :

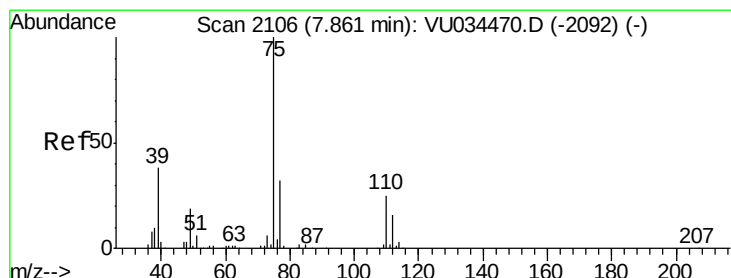
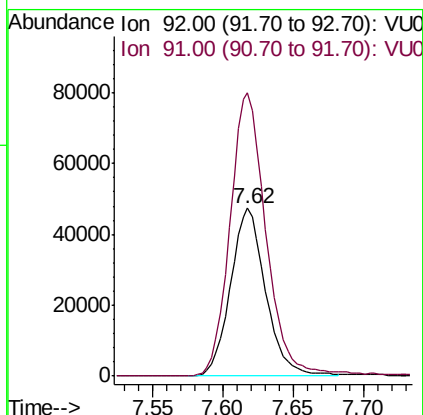
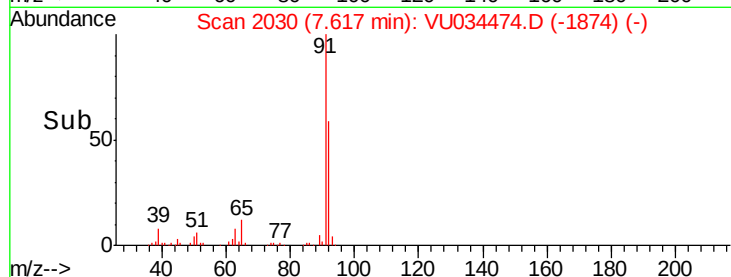
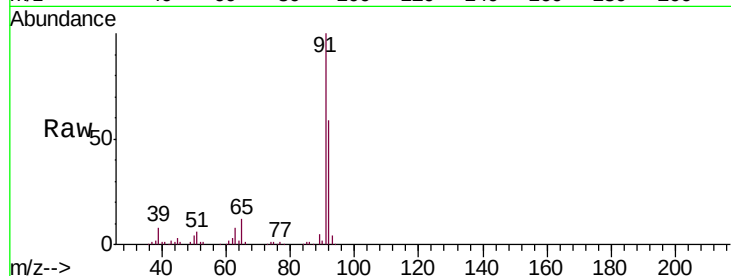
VU0911WBS01

Tgt Ion: 92 Resp: 83007

Ion Ratio Lower Upper

92 100

91 172.7 138.6 208.0



#50

t-1,3-Dichloropropene

Concen: 1.812 ug/l

RT: 7.87 min Scan# 2107

Delta R.T. 0.00 min

Lab File: VU034474.D

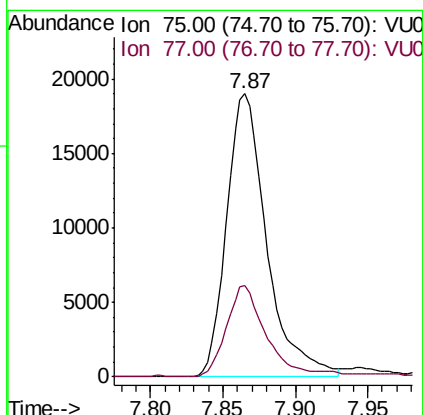
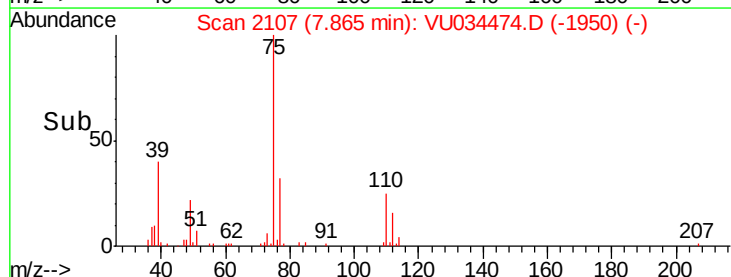
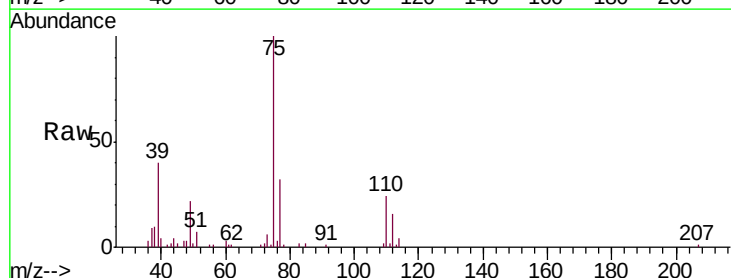
Acq: 11 Sep 2019 13:56

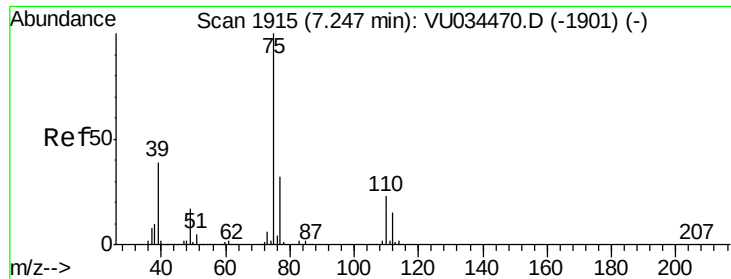
Tgt Ion: 75 Resp: 36435

Ion Ratio Lower Upper

75 100

77 32.2 25.4 38.0

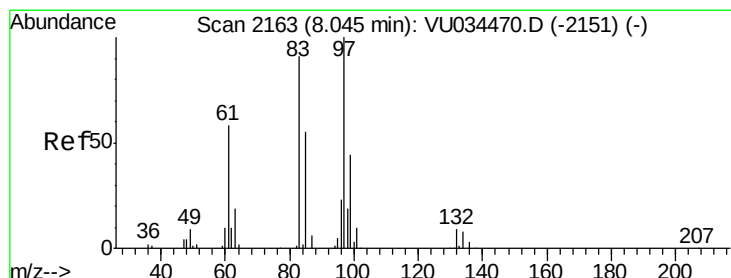
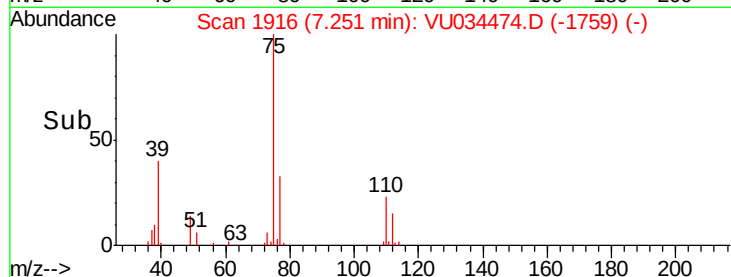
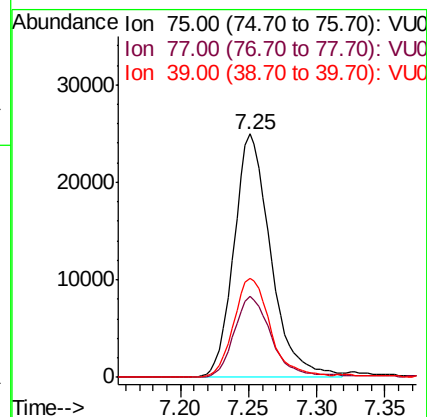
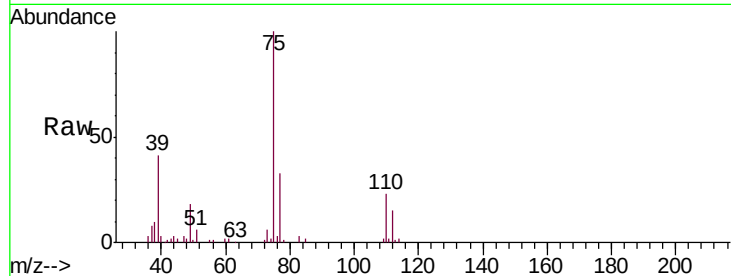




#51
 cis-1,3-Dichloropropene
 Concen: 1.852 ug/l
 RT: 7.25 min Scan# 1916
 Delta R.T. 0.00 min
 Lab File: VU034474.D
 Acq: 11 Sep 2019 13:56

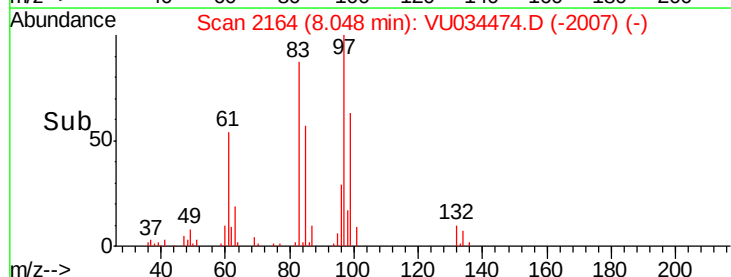
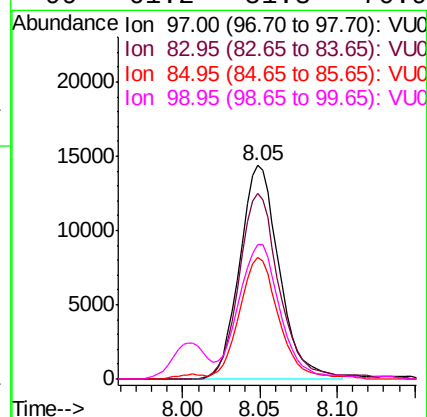
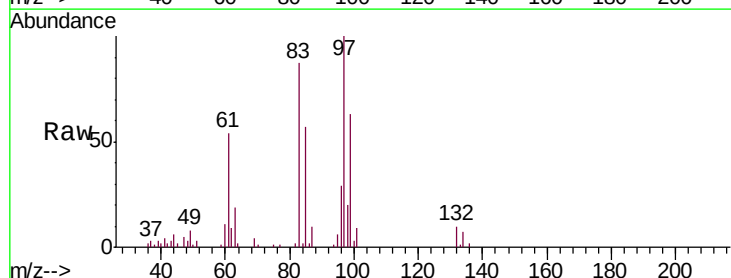
Instrument :
 MSVOA_U
 ClientSampleId :
 VU0911WBS01

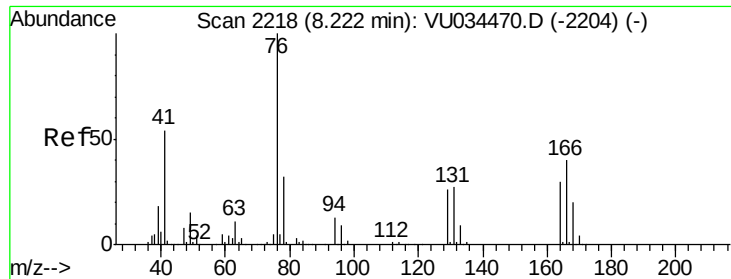
Tgt Ion: 75 Resp: 46879
 Ion Ratio Lower Upper
 75 100
 77 33.0 25.3 37.9
 39 40.7 31.0 46.4



#52
 1,1,2-Trichloroethane
 Concen: 1.941 ug/l
 RT: 8.05 min Scan# 2164
 Delta R.T. 0.00 min
 Lab File: VU034474.D
 Acq: 11 Sep 2019 13:56

Tgt Ion: 97 Resp: 25624
 Ion Ratio Lower Upper
 97 100
 83 87.0 72.5 108.7
 85 55.5 45.4 68.0
 99 61.2 51.3 76.9

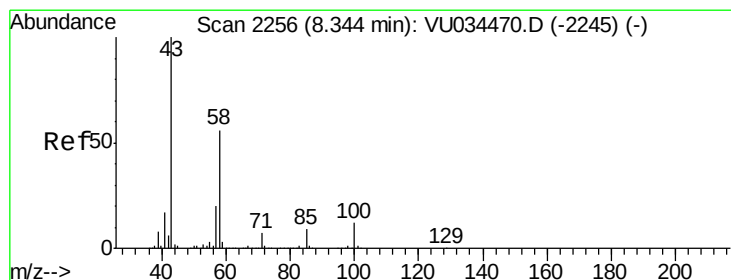
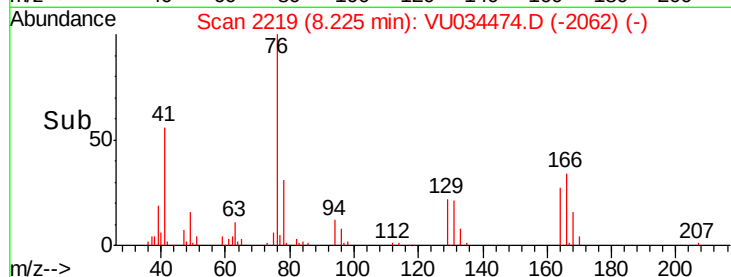
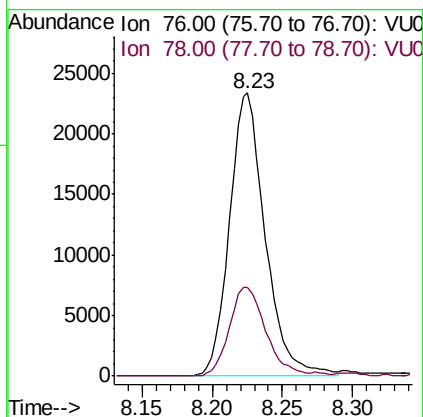
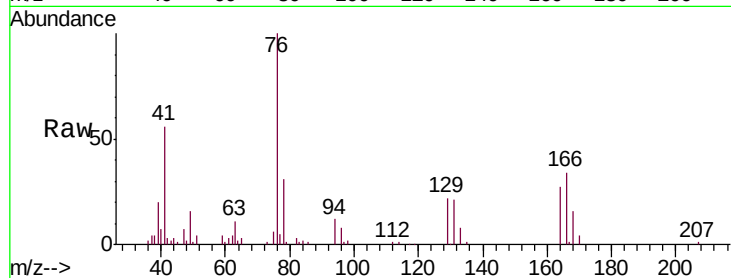




#53
 1,3-Dichloropropane
 Concen: 1.878 ug/l
 RT: 8.23 min Scan# 2219
 Delta R.T. 0.00 min
 Lab File: VU034474.D
 Acq: 11 Sep 2019 13:56

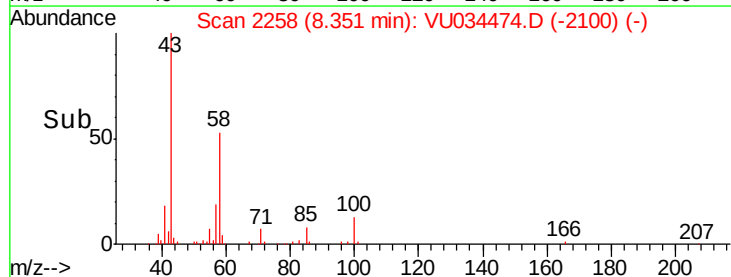
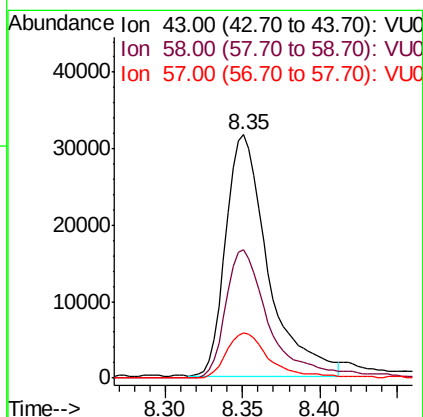
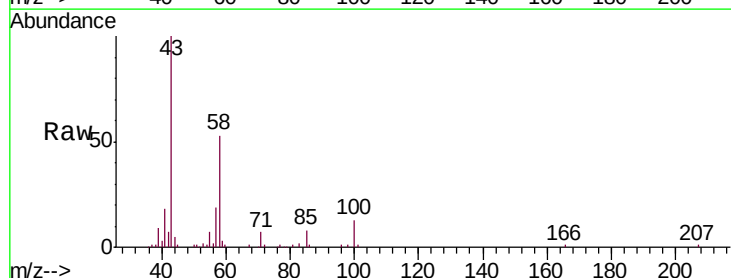
Instrument :
 MSVOA_U
 ClientSampleId :
 VU0911WBS01

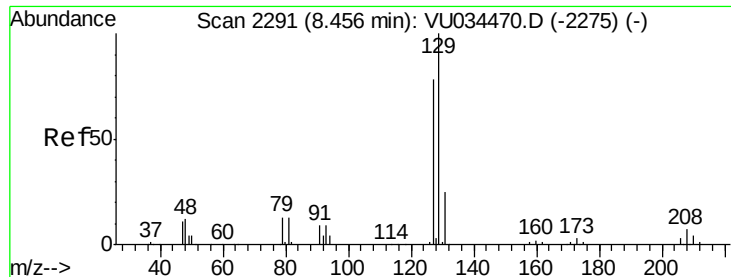
Tgt Ion: 76 Resp: 41464
 Ion Ratio Lower Upper
 76 100
 78 32.0 26.1 39.1



#54
 2-Hexanone
 Concen: 9.284 ug/l
 RT: 8.35 min Scan# 2258
 Delta R.T. 0.01 min
 Lab File: VU034474.D
 Acq: 11 Sep 2019 13:56

Tgt Ion: 43 Resp: 59977
 Ion Ratio Lower Upper
 43 100
 58 55.9 36.4 76.4
 57 19.3 0.0 39.5

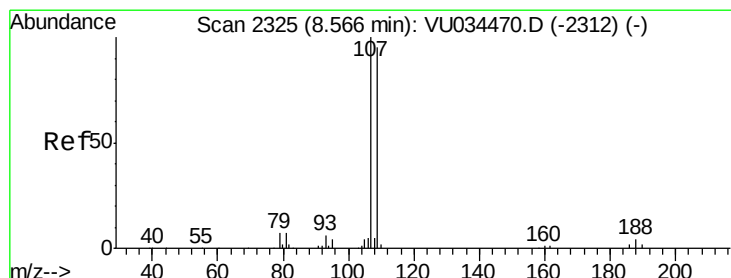
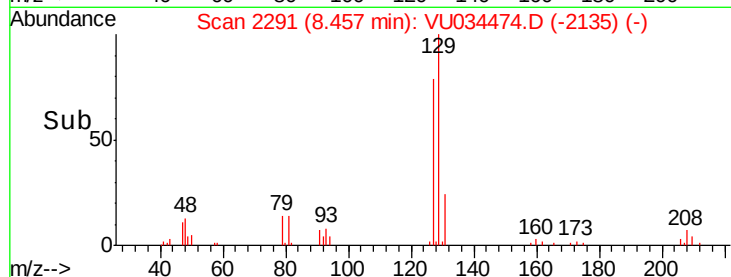
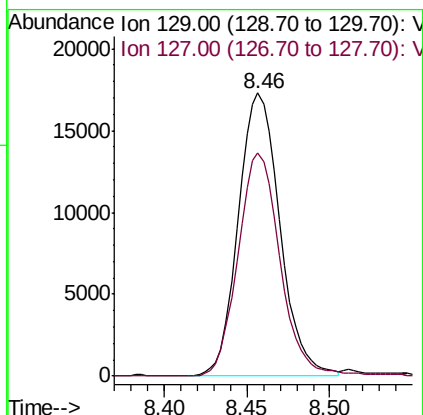
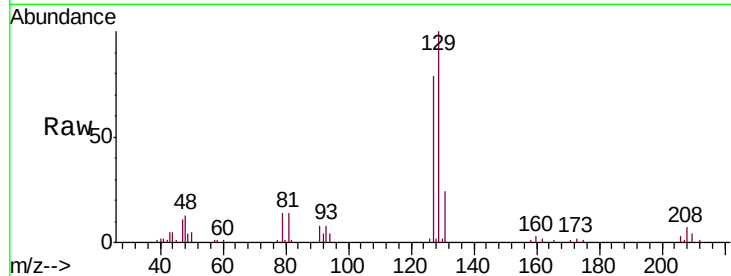




#55
 Dibromochloromethane
 Concen: 1.884 ug/l
 RT: 8.46 min Scan# 2291
 Delta R.T. 0.00 min
 Lab File: VU034474.D
 Acq: 11 Sep 2019 13:56

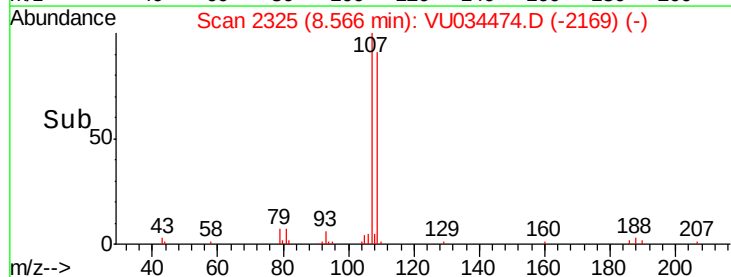
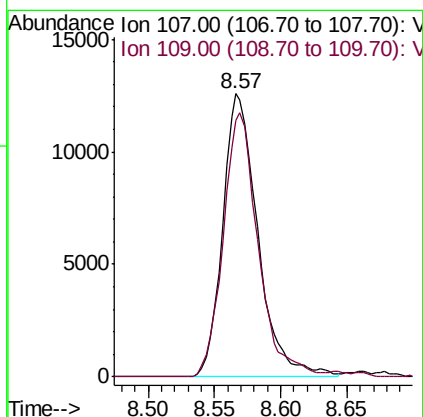
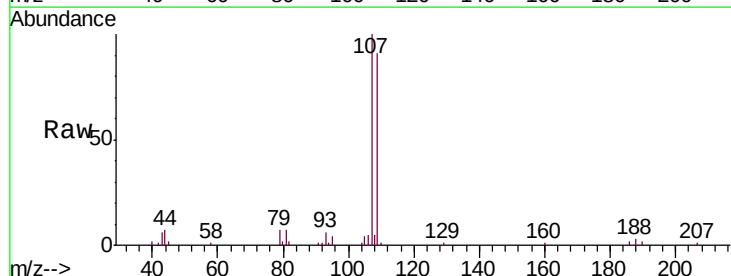
Instrument :
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 ClientSampleId :
 VU0911WBS01

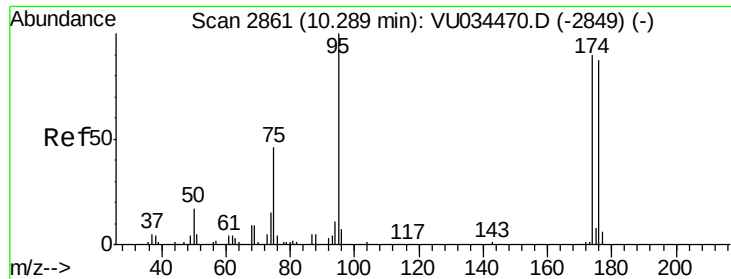
Tgt Ion:129 Resp: 30218
 Ion Ratio Lower Upper
 129 100
 127 79.7 60.9 91.3



#56
 1,2-Dibromoethane
 Concen: 1.914 ug/l
 RT: 8.57 min Scan# 2325
 Delta R.T. 0.00 min
 Lab File: VU034474.D
 Acq: 11 Sep 2019 13:56

Tgt Ion:107 Resp: 23176
 Ion Ratio Lower Upper
 107 100
 109 92.7 0.0 190.8

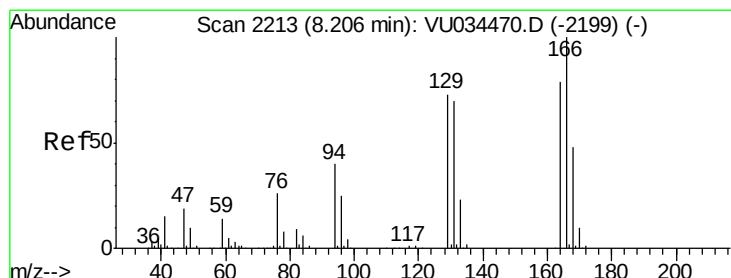
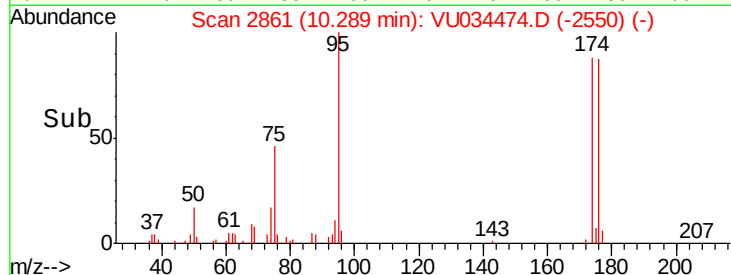
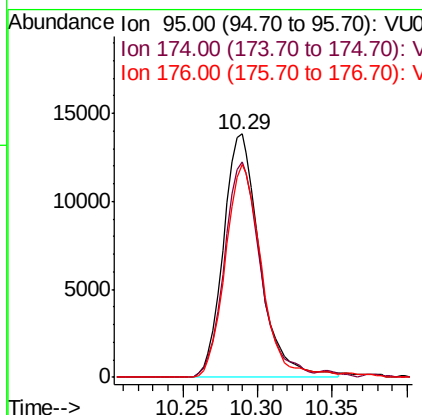
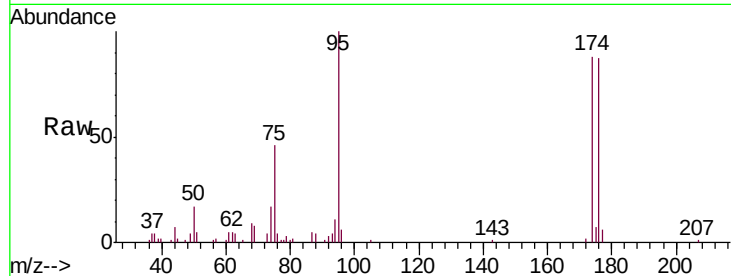




#57
4-Bromofluorobenzene
Concen: 0.952 ug/l
RT: 10.29 min Scan# 2861
Delta R.T. 0.00 min
Lab File: VU034474.D
Acq: 11 Sep 2019 13:56

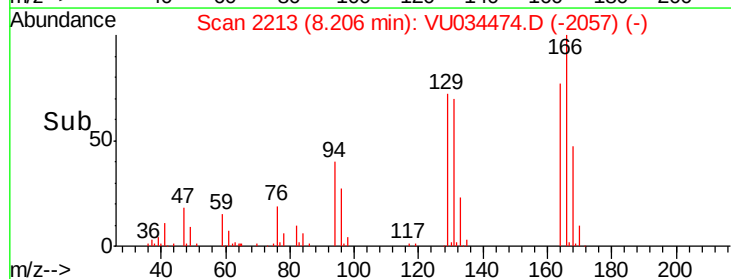
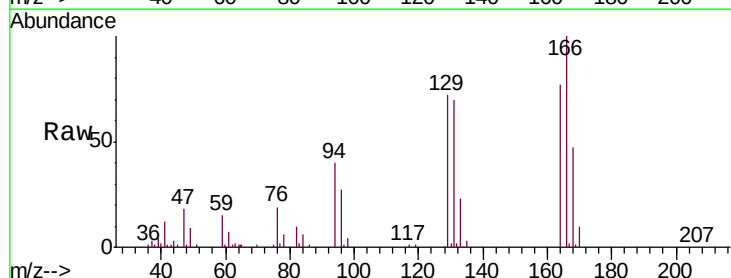
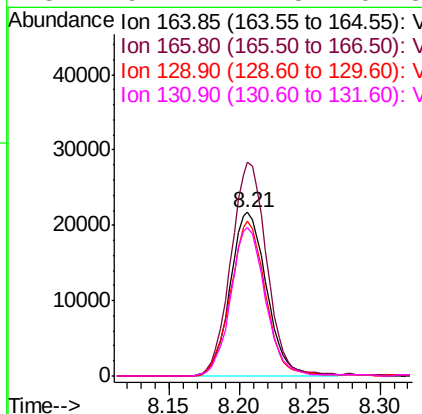
Instrument :
MSVOA_U
ClientSampleId :
VU0911WBS01

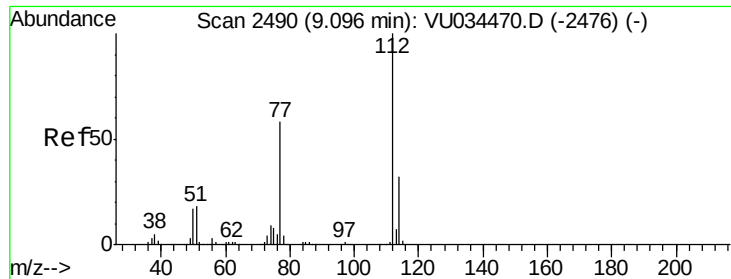
Tgt Ion: 95 Resp: 23420
Ion Ratio Lower Upper
95 100
174 88.3 70.1 105.1
176 87.0 67.7 101.5



#58
Tetrachloroethene
Concen: 1.940 ug/l
RT: 8.21 min Scan# 2213
Delta R.T. 0.00 min
Lab File: VU034474.D
Acq: 11 Sep 2019 13:56

Tgt Ion: 164 Resp: 39327
Ion Ratio Lower Upper
164 100
166 130.6 101.5 152.3
129 94.7 73.8 110.8
131 91.2 71.5 107.3

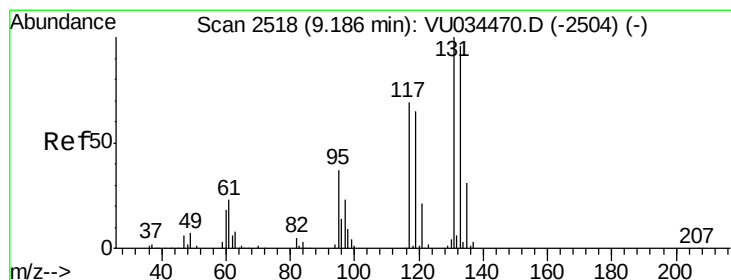
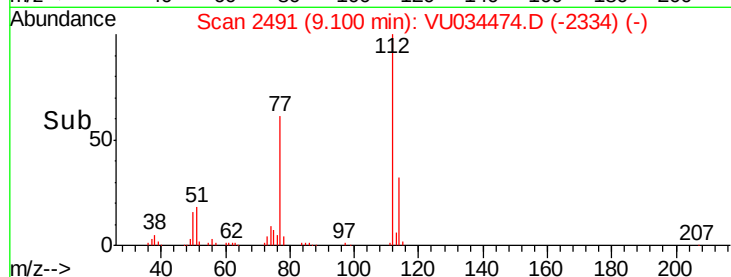
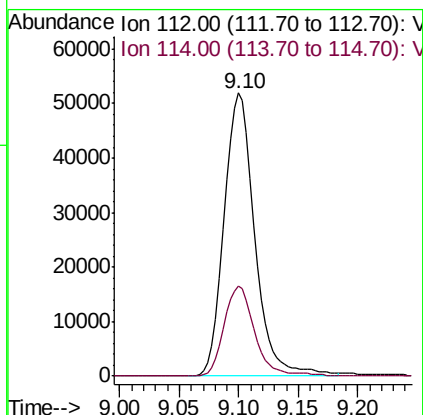
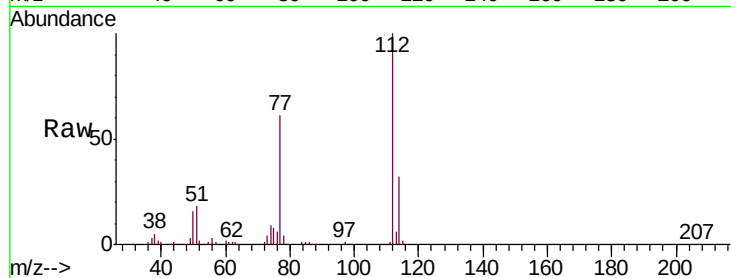




#59
Chlorobenzene
Concen: 1.876 ug/l
RT: 9.10 min Scan# 2491
Delta R.T. 0.00 min
Lab File: VU034474.D
Acq: 11 Sep 2019 13:56

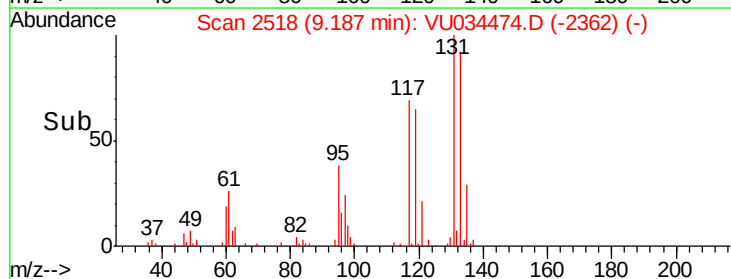
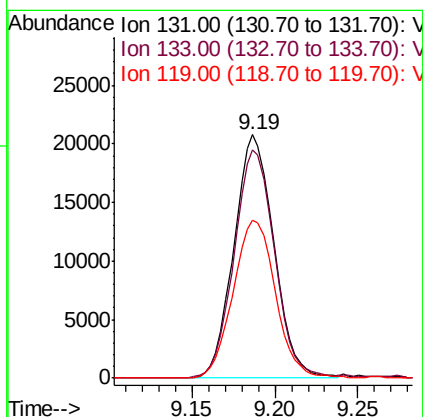
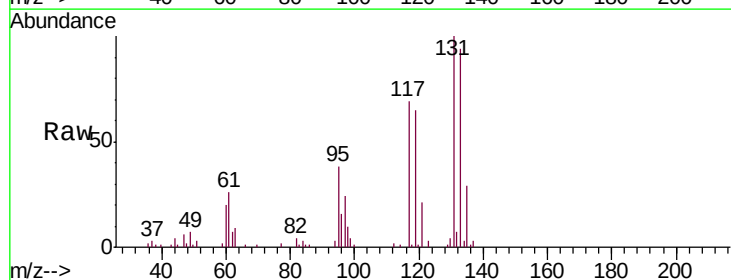
Instrument :
MSVOA_U
ClientSampleId :
VU0911WBS01

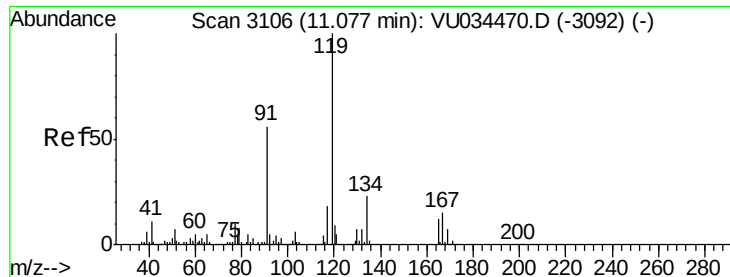
Tgt Ion:112 Resp: 92960
Ion Ratio Lower Upper
112 100
114 31.7 25.6 38.4



#60
1,1,1,2-Tetrachloroethane
Concen: 1.899 ug/l
RT: 9.19 min Scan# 2518
Delta R.T. 0.00 min
Lab File: VU034474.D
Acq: 11 Sep 2019 13:56

Tgt Ion:131 Resp: 34853
Ion Ratio Lower Upper
131 100
133 94.9 76.8 115.2
119 68.6 52.4 78.6





#61

Pentachloroethane

Concen: 1.961 ug/l

RT: 11.08 min Scan# 3106

Delta R.T. 0.00 min

Lab File: VU034474.D

Acq: 11 Sep 2019 13:56

Instrument :

MSVOA_U

ClientSampleId :

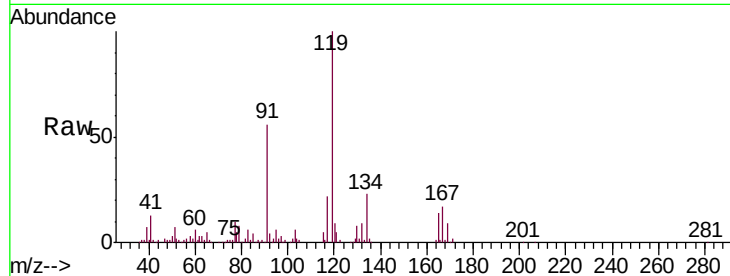
VU0911WBS01

Tgt Ion:117 Resp: 29128

Ion Ratio Lower Upper

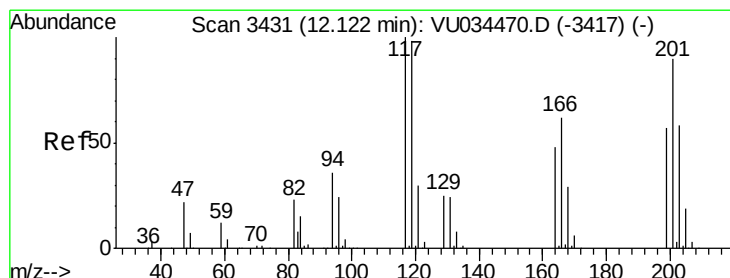
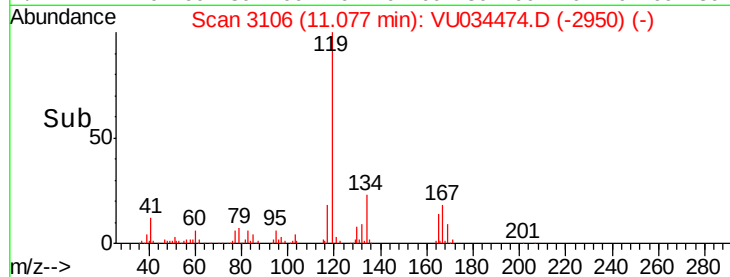
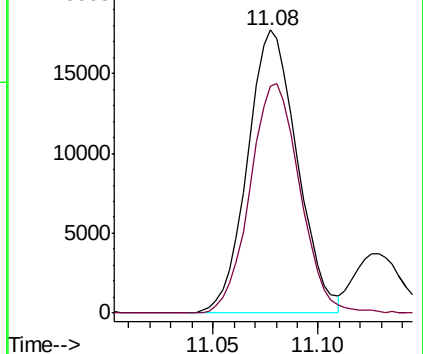
117 100

167 81.1 70.7 106.1



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 166.70 (166.40 to 167.40): V



#62

Hexachloroethane

Concen: 1.834 ug/l

RT: 12.12 min Scan# 3431

Delta R.T. 0.00 min

Lab File: VU034474.D

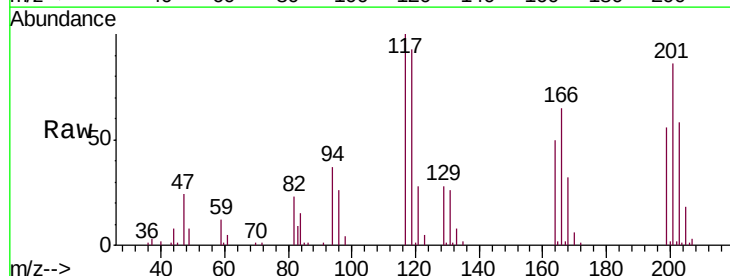
Acq: 11 Sep 2019 13:56

Tgt Ion:117 Resp: 24197

Ion Ratio Lower Upper

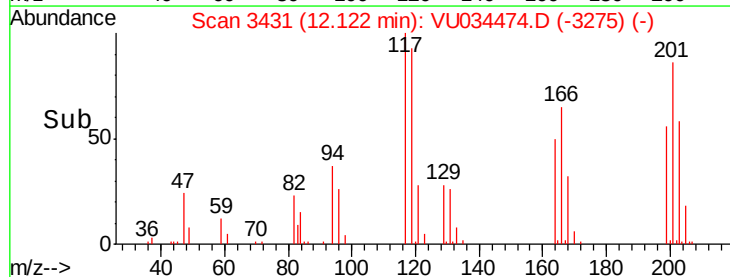
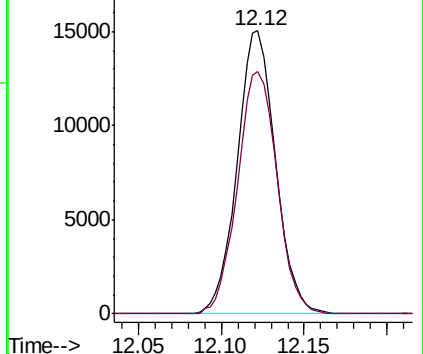
117 100

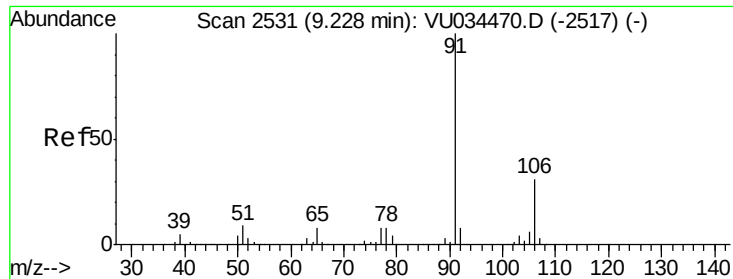
201 88.4 71.8 107.8



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.60 (200.30 to 201.30): V

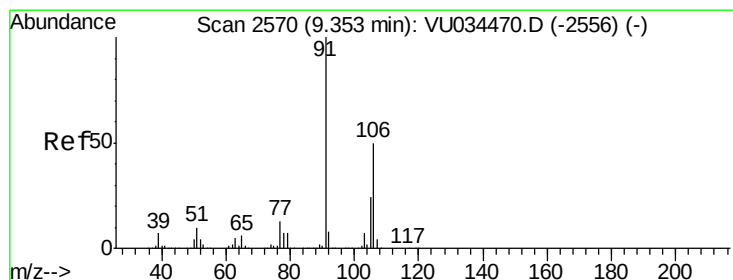
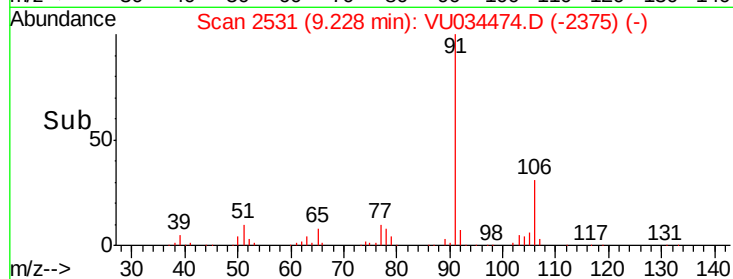
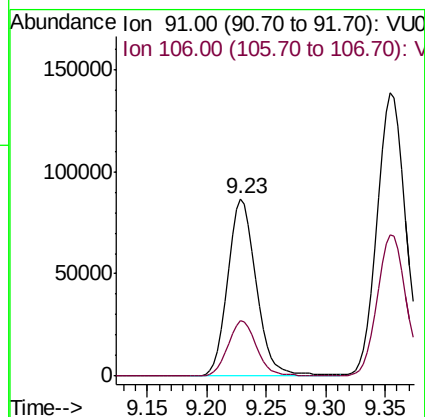
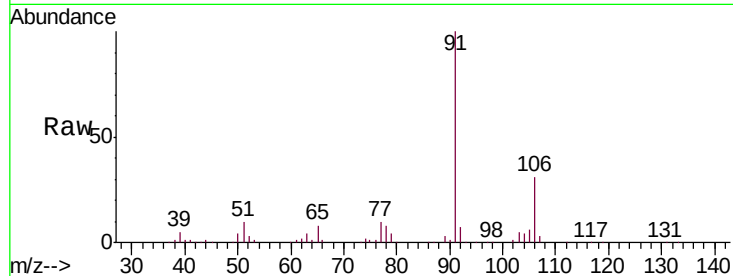




#63
Ethyl Benzene
Concen: 1.823 ug/l
RT: 9.23 min Scan# 2531
Delta R.T. 0.00 min
Lab File: VU034474.D
Acq: 11 Sep 2019 13:56

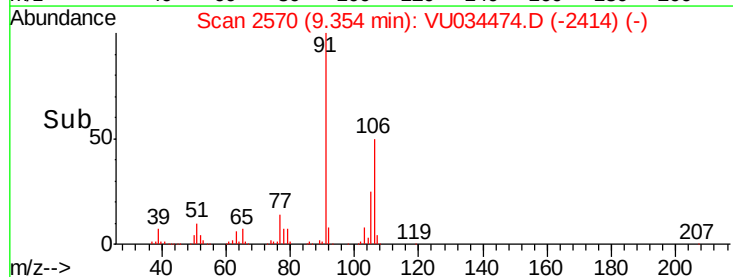
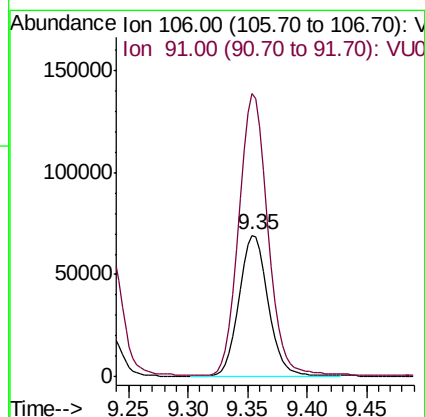
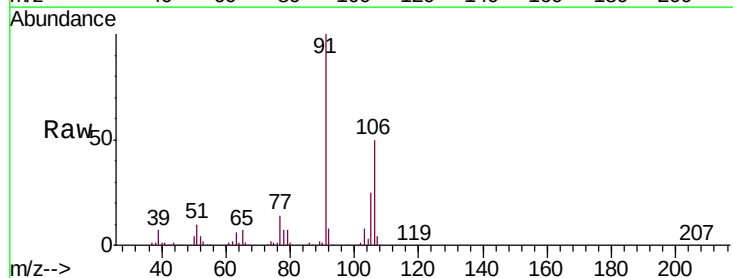
Instrument :
MSVOA_U
ClientSampleId :
VU0911WBS01

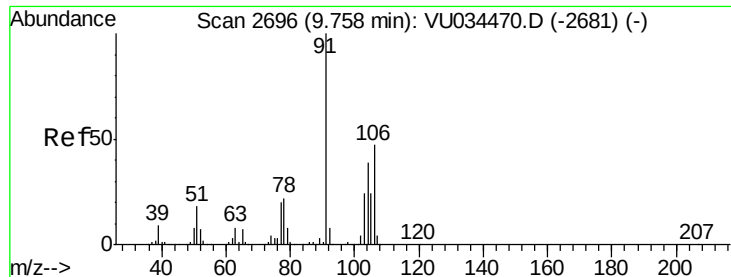
Tgt Ion: 91 Resp: 144883
Ion Ratio Lower Upper
91 100
106 30.9 25.2 37.8



#64
m/p-Xylenes
Concen: 3.675 ug/l
RT: 9.35 min Scan# 2570
Delta R.T. 0.00 min
Lab File: VU034474.D
Acq: 11 Sep 2019 13:56

Tgt Ion: 106 Resp: 118271
Ion Ratio Lower Upper
106 100
91 198.6 161.8 242.6





#65

o-Xylene

Concen: 1.838 ug/l

RT: 9.76 min Scan# 2696

Delta R.T. 0.00 min

Lab File: VU034474.D

Acq: 11 Sep 2019 13:56

Instrument :

MSVOA_U

ClientSampleId :

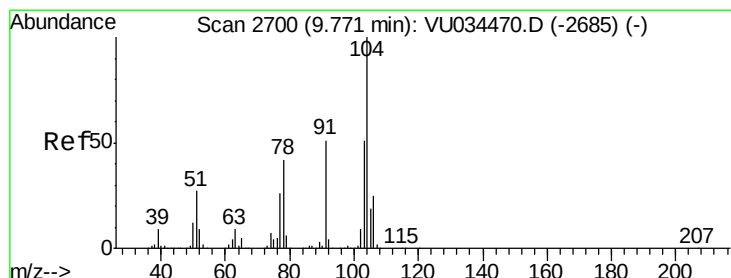
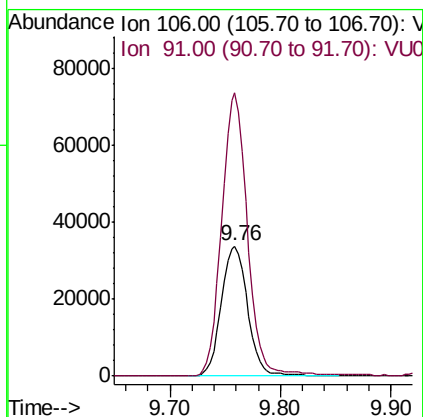
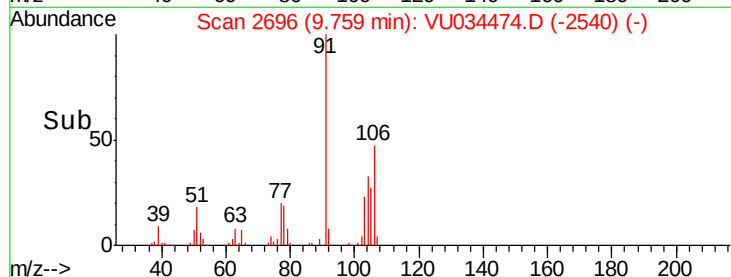
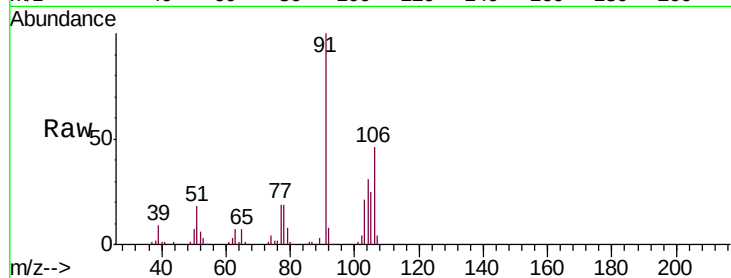
VU0911WBS01

Tgt Ion:106 Resp: 56359

Ion Ratio Lower Upper

106 100

91 212.1 104.7 313.9



#66

Styrene

Concen: 1.848 ug/l

RT: 9.77 min Scan# 2700

Delta R.T. 0.00 min

Lab File: VU034474.D

Acq: 11 Sep 2019 13:56

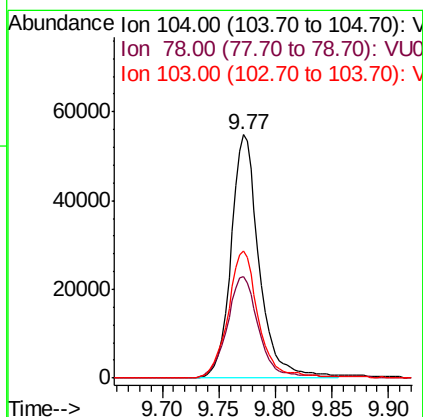
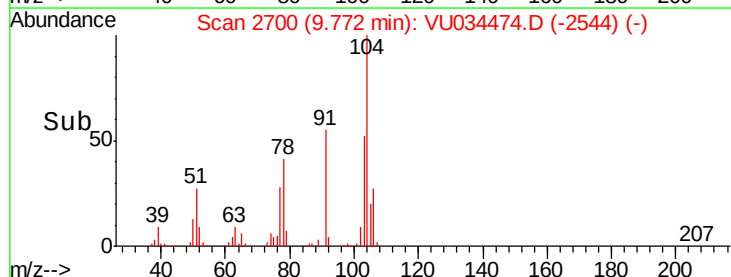
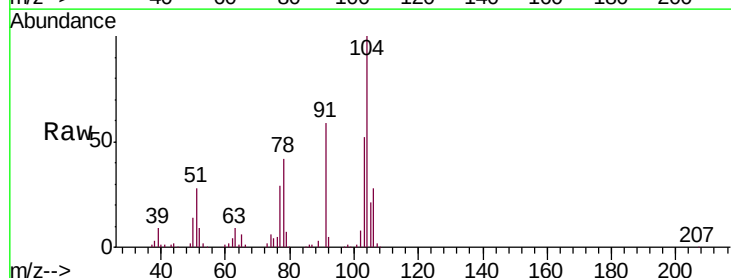
Tgt Ion:104 Resp: 94849

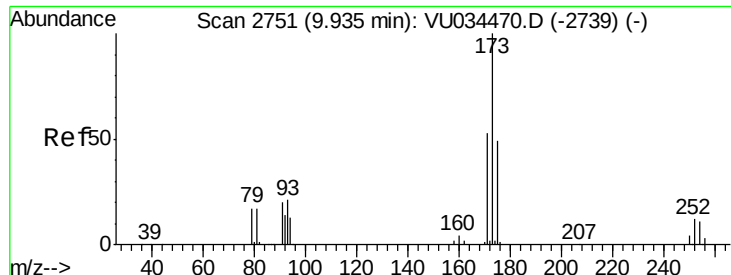
Ion Ratio Lower Upper

104 100

78 46.8 37.8 56.6

103 56.4 43.8 65.8

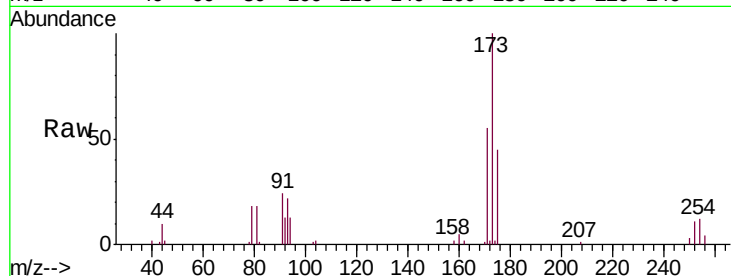




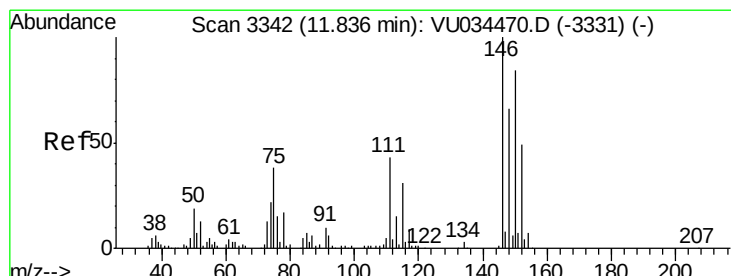
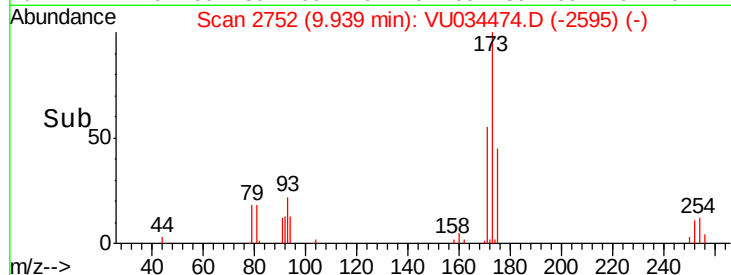
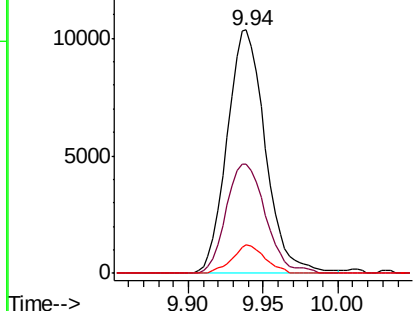
#67
 Bromoform
 Concen: 1.956 ug/l
 RT: 9.94 min Scan# 2752
 Delta R.T. 0.00 min
 Lab File: VU034474.D
 Acq: 11 Sep 2019 13:56

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0911WBS01

Tgt Ion:173 Resp: 18447
 Ion Ratio Lower Upper
 173 100
 175 46.3 39.1 58.7
 254 10.0 8.6 13.0

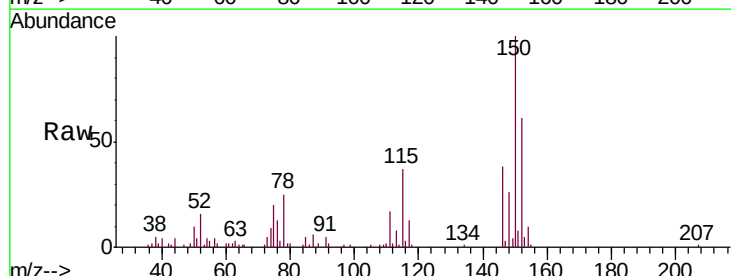


Abundance Ion 172.90 (172.60 to 173.60): V
 Ion 174.90 (174.60 to 175.60): V
 Ion 253.75 (253.45 to 254.45): V

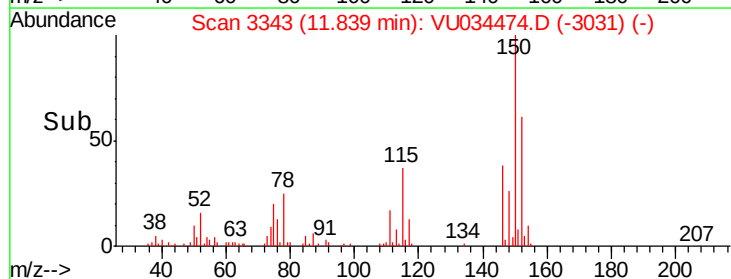
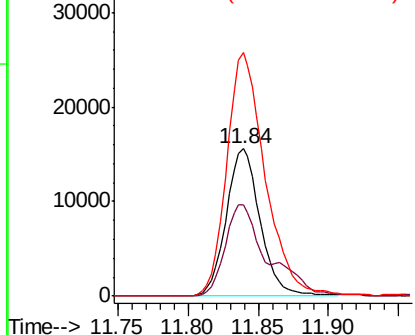


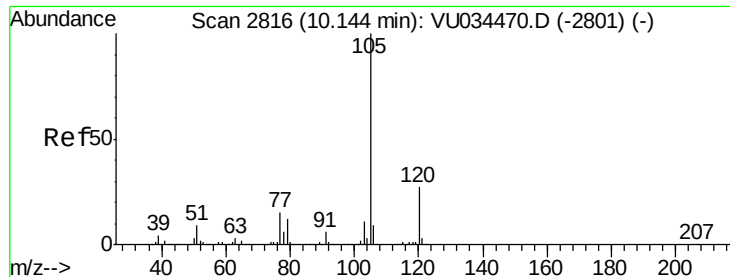
#68
 1,2-Dichlorobenzene-d4
 Concen: 0.991 ug/l
 RT: 11.84 min Scan# 3343
 Delta R.T. 0.00 min
 Lab File: VU034474.D
 Acq: 11 Sep 2019 13:56

Tgt Ion:152 Resp: 26281
 Ion Ratio Lower Upper
 152 100
 115 59.6 0.0 126.6
 150 186.6 0.0 633.6



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: 1.850 ug/l

RT: 10.14 min Scan# 2816

Delta R.T. 0.00 min

Lab File: VU034474.D

Acq: 11 Sep 2019 13:56

Instrument :

MSVOA_U

ClientSampleId :

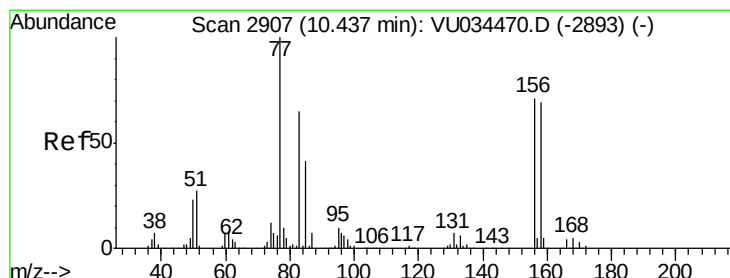
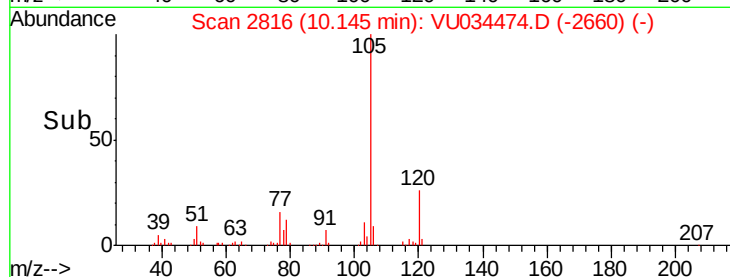
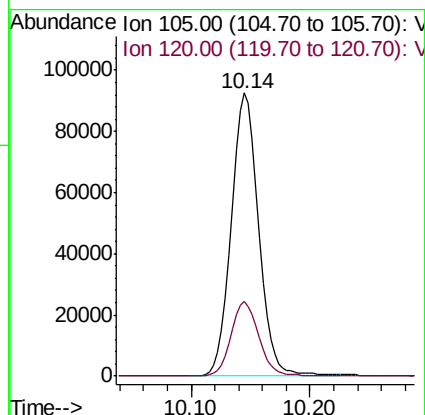
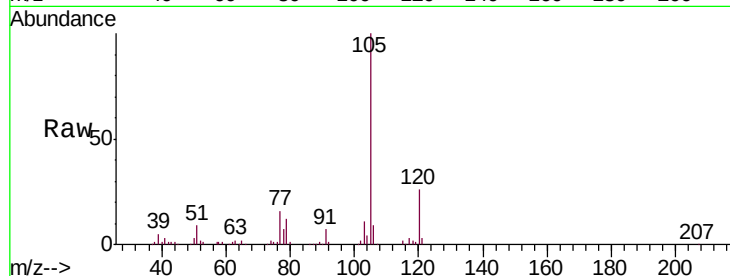
VU0911WBS01

Tgt Ion:105 Resp: 147844

Ion Ratio Lower Upper

105 100

120 26.6 13.4 40.2



#70

1,1,2,2-Tetrachloroethane

Concen: 1.965 ug/l

RT: 10.44 min Scan# 2907

Delta R.T. 0.00 min

Lab File: VU034474.D

Acq: 11 Sep 2019 13:56

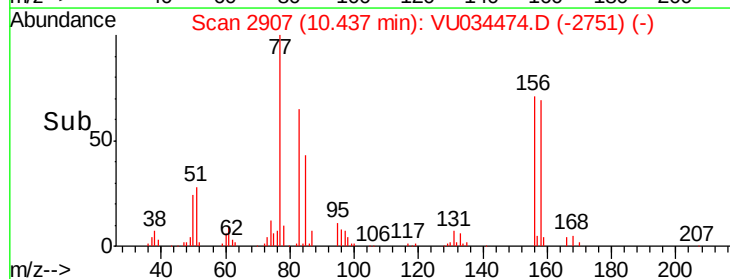
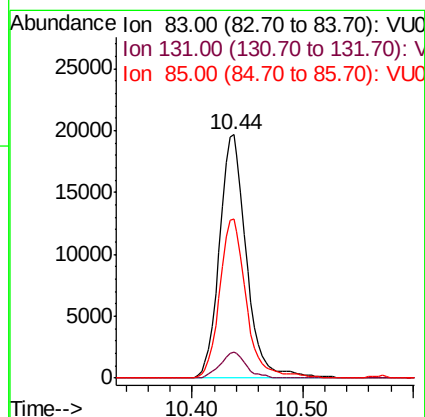
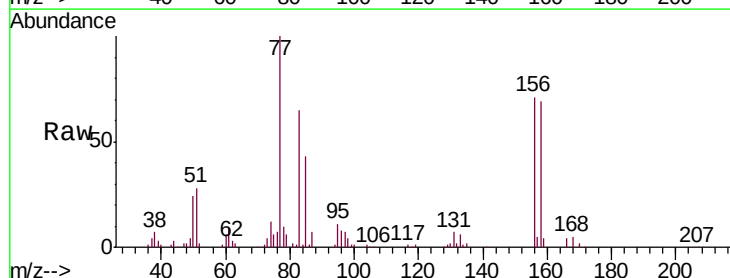
Tgt Ion: 83 Resp: 33291

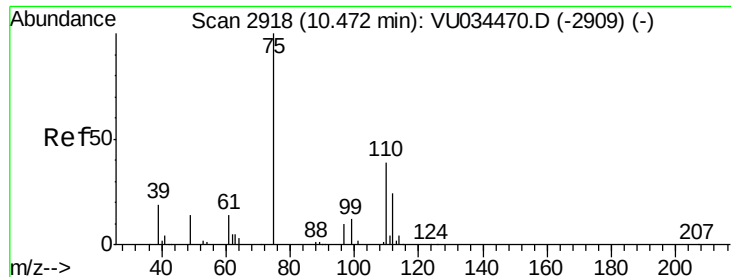
Ion Ratio Lower Upper

83 100

131 10.1 8.2 12.4

85 64.5 51.9 77.9





#71

1,2,3-Trichloropropane

Concen: 1.788 ug/l

RT: 10.47 min Scan# 2918

Delta R.T. 0.00 min

Lab File: VU034474.D

Acq: 11 Sep 2019 13:56

Instrument :

MSVOA_U

ClientSampleId :

VU0911WBS01

Tgt Ion: 75 Resp: 21558

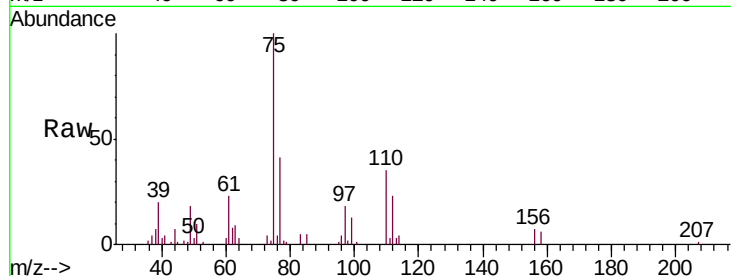
Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0

110 39.1 0.0 66.8

97 21.7 0.0 35.6

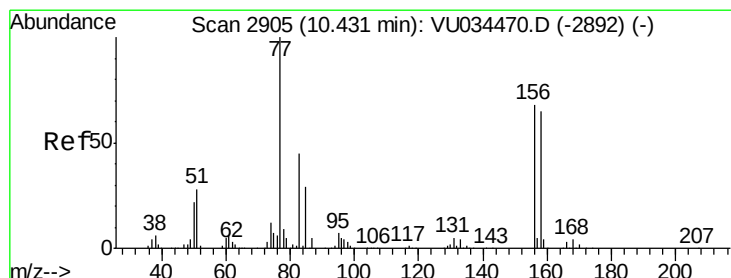
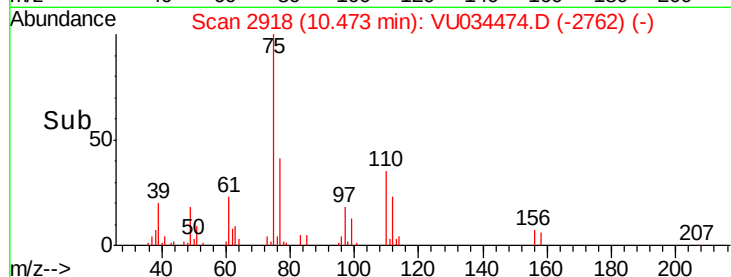
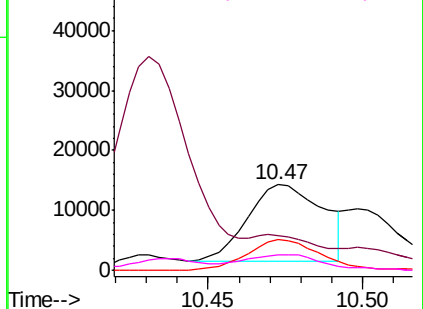


Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0

Ion 110.00 (109.70 to 110.70): V

Ion 97.00 (96.70 to 97.70): VU0



#72

Bromobenzene

Concen: 1.902 ug/l

RT: 10.43 min Scan# 2905

Delta R.T. 0.00 min

Lab File: VU034474.D

Acq: 11 Sep 2019 13:56

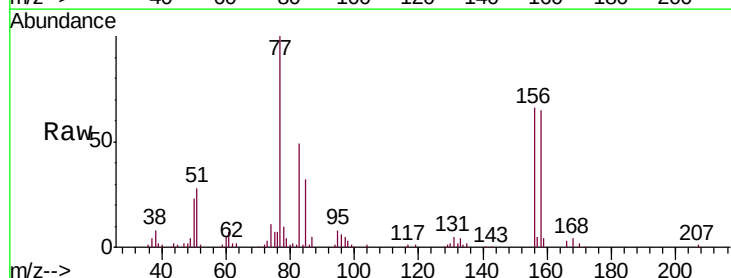
Tgt Ion: 156 Resp: 41230

Ion Ratio Lower Upper

156 100

77 146.3 0.0 293.6

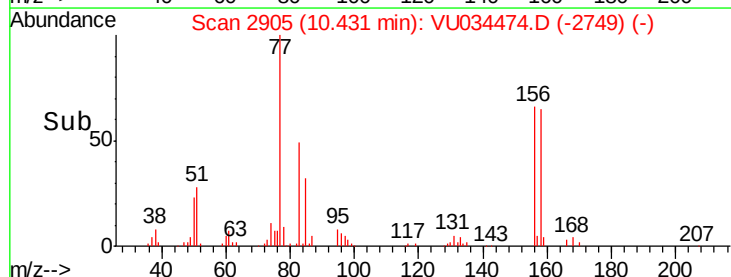
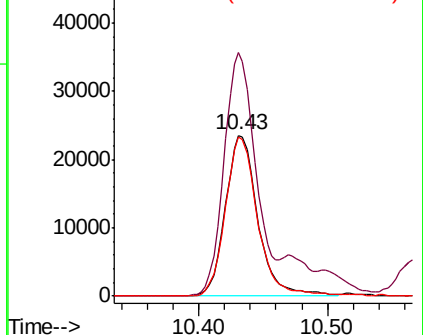
158 98.7 0.0 192.6

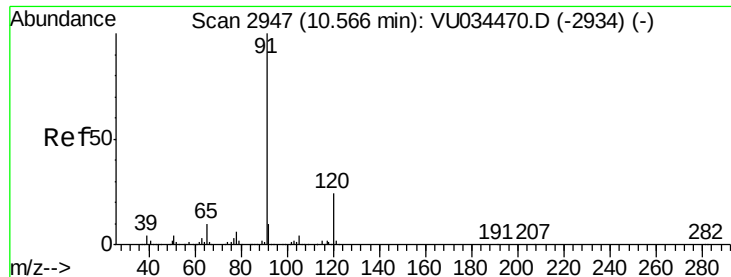


Abundance Ion 156.00 (155.70 to 156.70): V

Ion 77.00 (76.70 to 77.70): VU0

Ion 158.00 (157.70 to 158.70): V





#73

n-propylbenzene

Concen: 1.859 ug/l

RT: 10.57 min Scan# 2947

Delta R.T. 0.00 min

Lab File: VU034474.D

Acq: 11 Sep 2019 13:56

Instrument :

MSVOA_U

ClientSampleId :

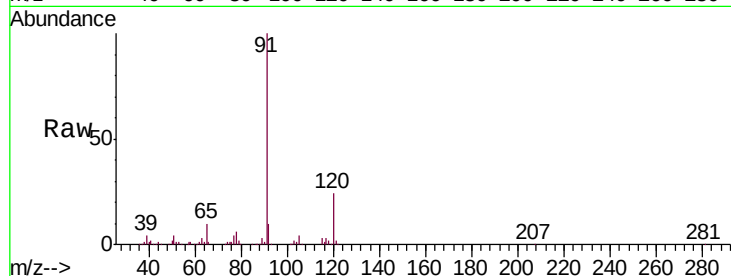
VU0911WBS01

Tgt Ion:120 Resp: 43035

Ion Ratio Lower Upper

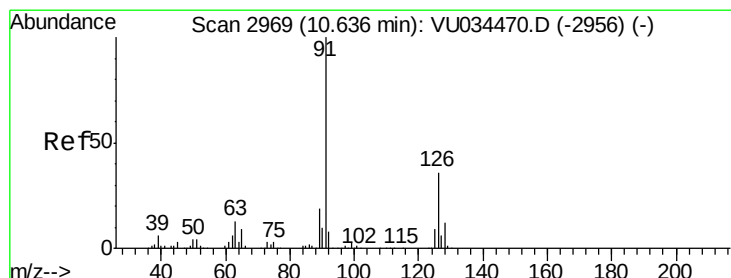
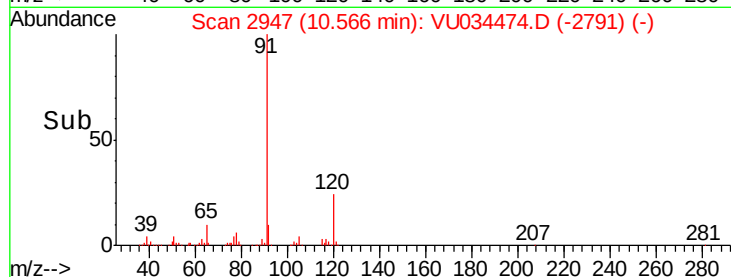
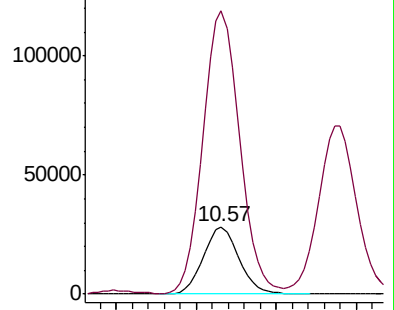
120 100

91 429.0 339.1 508.7



Abundance Ion 120.00 (119.70 to 120.70): V

Ion 91.00 (90.70 to 91.70): VU0



#74

2-Chlorotoluene

Concen: 1.943 ug/l

RT: 10.64 min Scan# 2969

Delta R.T. 0.00 min

Lab File: VU034474.D

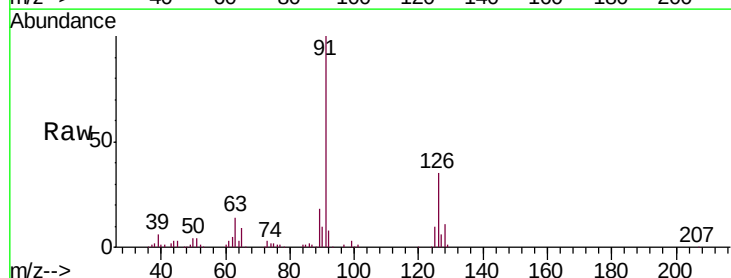
Acq: 11 Sep 2019 13:56

Tgt Ion:126 Resp: 40481

Ion Ratio Lower Upper

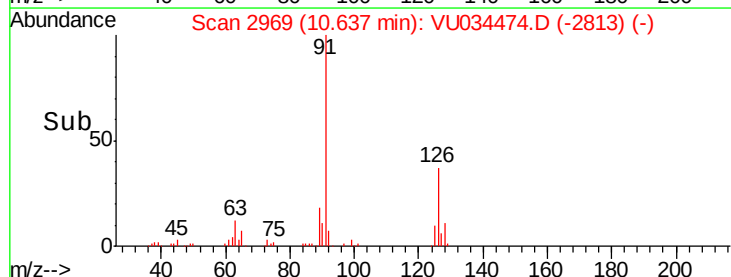
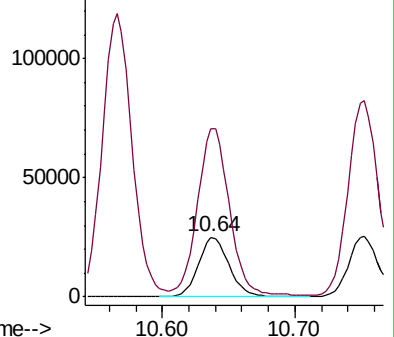
126 100

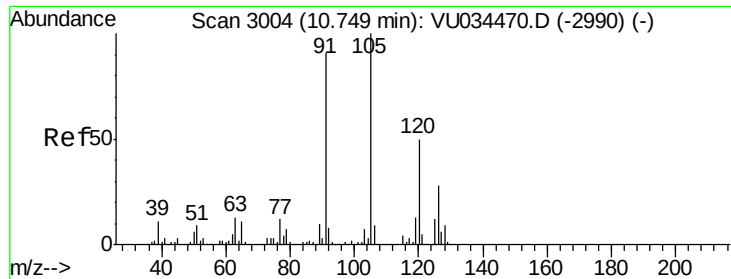
91 291.4 0.0 582.4



Abundance Ion 126.00 (125.70 to 126.70): V

Ion 91.00 (90.70 to 91.70): VU0

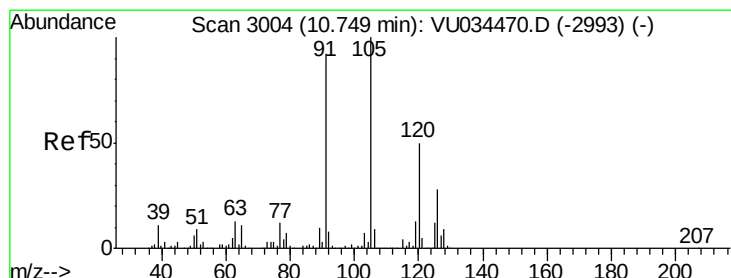
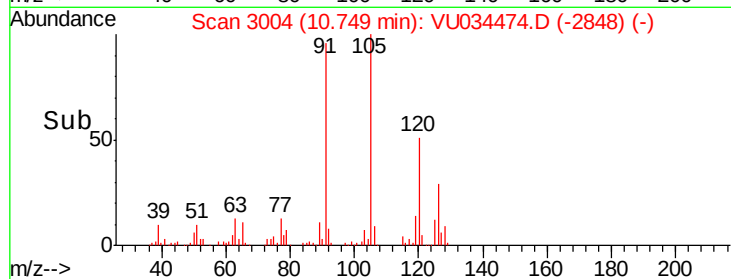
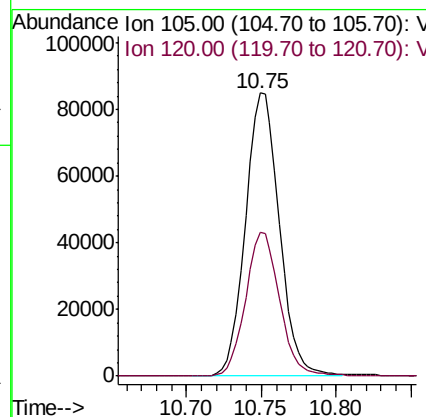
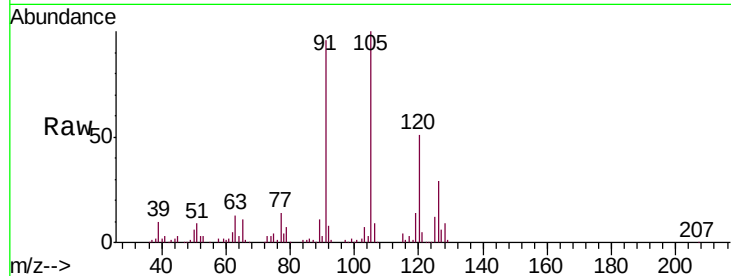




#75
 1,3,5-Trimethylbenzene
 Concen: 1.869 ug/l
 RT: 10.75 min Scan# 3004
 Delta R.T. 0.00 min
 Lab File: VU034474.D
 Acq: 11 Sep 2019 13:56

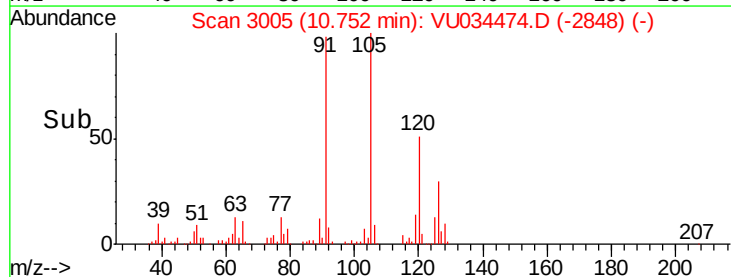
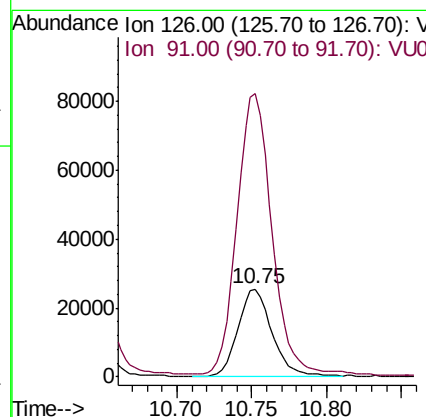
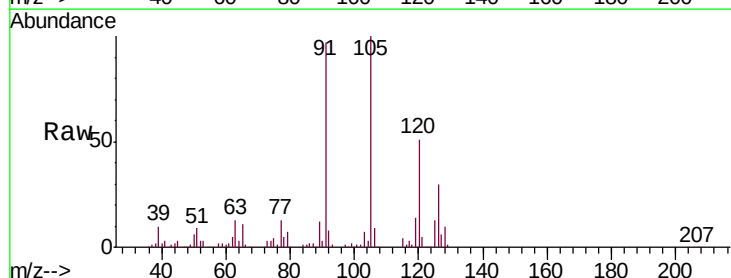
Instrument :
 MSVOA_U
 ClientSampleId :
 VU0911WBS01

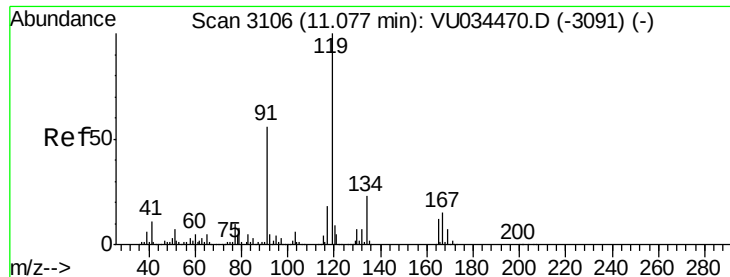
Tgt Ion:105 Resp: 134137
 Ion Ratio Lower Upper
 105 100
 120 51.1 39.8 59.8



#76
 4-Chlorotoluene
 Concen: 1.896 ug/l
 RT: 10.75 min Scan# 3005
 Delta R.T. 0.00 min
 Lab File: VU034474.D
 Acq: 11 Sep 2019 13:56

Tgt Ion:126 Resp: 39992
 Ion Ratio Lower Upper
 126 100
 91 334.9 0.0 667.6

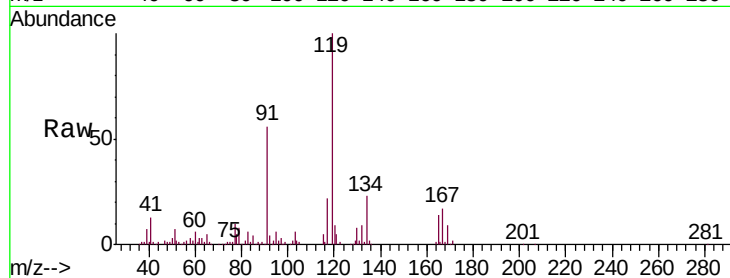




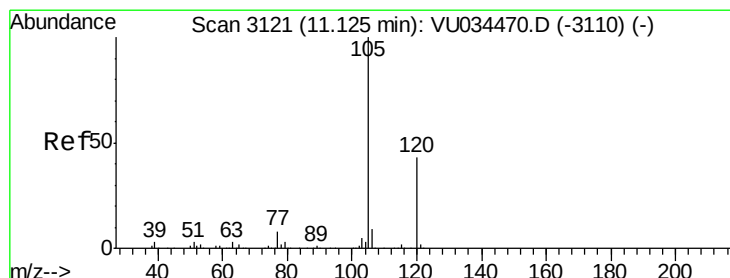
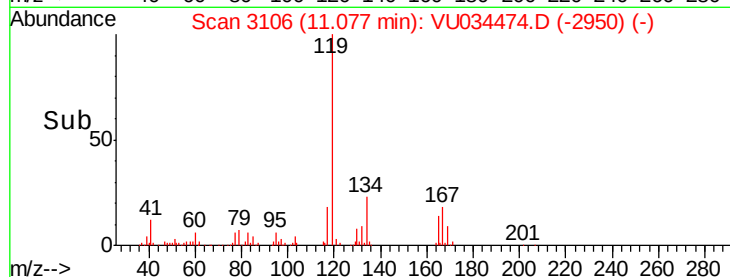
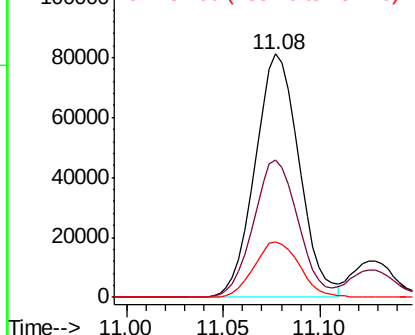
#77
 tert-Butylbenzene
 Concen: 1.856 ug/l
 RT: 11.08 min Scan# 3106
 Delta R.T. 0.00 min
 Lab File: VU034474.D
 Acq: 11 Sep 2019 13:56

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0911WBS01

Tgt Ion:119 Resp: 129156
 Ion Ratio Lower Upper
 119 100
 91 56.6 27.8 83.3
 134 23.7 18.4 27.6

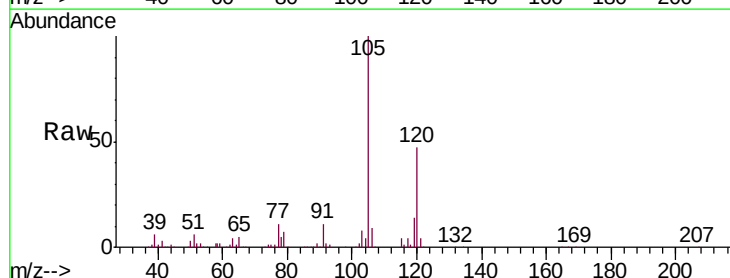


Abundance Ion 119.00 (118.70 to 119.70): V
 Ion 91.00 (90.70 to 91.70): VU0
 Ion 134.00 (133.70 to 134.70): V

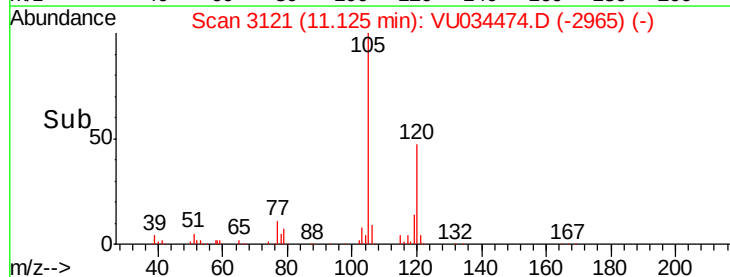
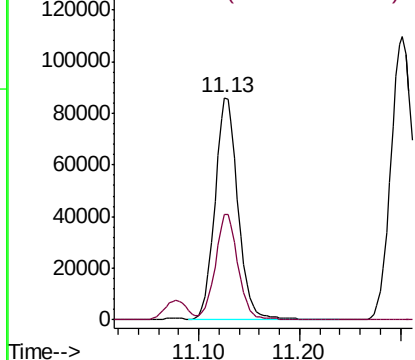


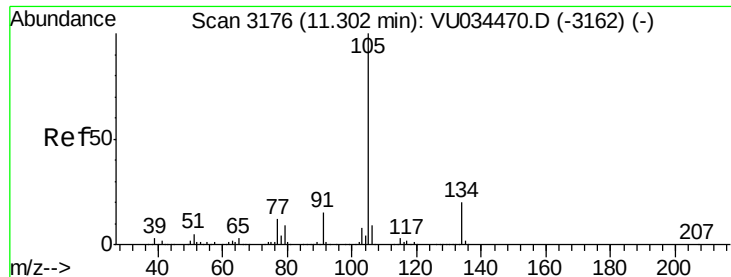
#78
 1,2,4-Trimethylbenzene
 Concen: 1.865 ug/l
 RT: 11.13 min Scan# 3121
 Delta R.T. 0.00 min
 Lab File: VU034474.D
 Acq: 11 Sep 2019 13:56

Tgt Ion:105 Resp: 135164
 Ion Ratio Lower Upper
 105 100
 120 46.9 23.1 69.2



Abundance Ion 105.00 (104.70 to 105.70): V
 Ion 120.00 (119.70 to 120.70): V





#79

sec-Butylbenzene

Concen: 1.862 ug/l

RT: 11.30 min Scan# 3176

Delta R.T. 0.00 min

Lab File: VU034474.D

Acq: 11 Sep 2019 13:56

Instrument :

MSVOA_U

ClientSampleId :

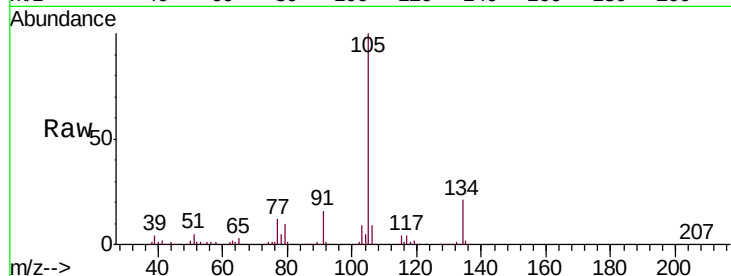
VU0911WBS01

Tgt Ion:105 Resp: 174265

Ion Ratio Lower Upper

105 100

134 20.7 16.3 24.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

11.30

120000

100000

80000

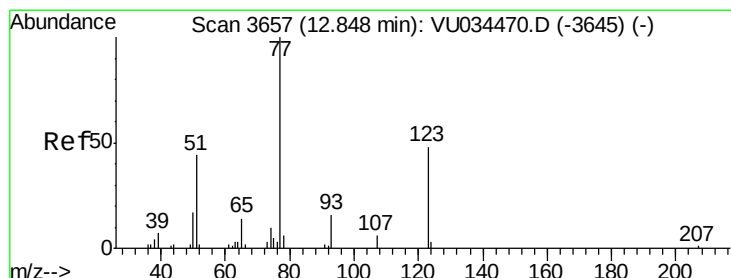
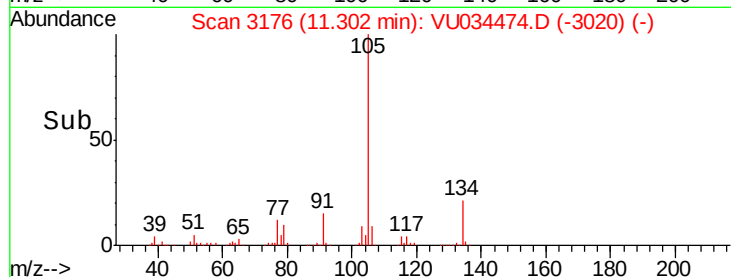
60000

40000

20000

0

Time--> 11.20 11.30 11.40



#80

Nitrobenzene

Concen: 3.946 ug/l

RT: 12.87 min Scan# 3665

Delta R.T. 0.03 min

Lab File: VU034474.D

Acq: 11 Sep 2019 13:56

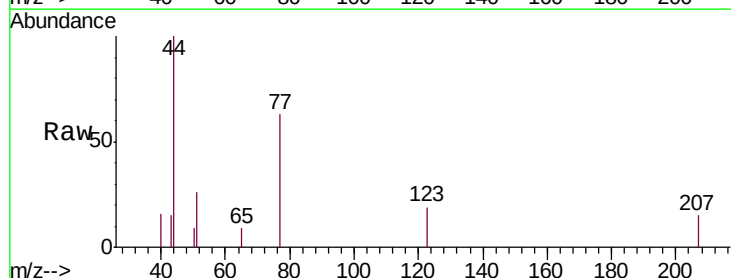
Tgt Ion: 77 Resp: 1427

Ion Ratio Lower Upper

77 100

123 10.7 19.0 67.4#

65 7.8 8.5 10.9#



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

1000

800

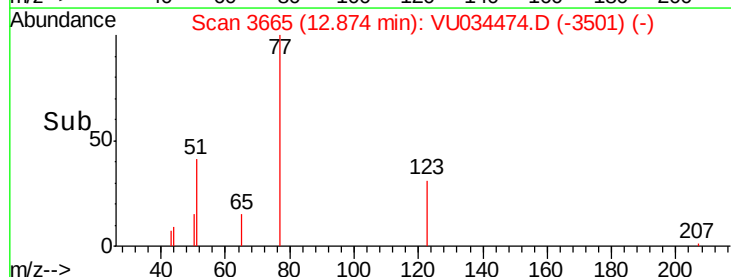
600

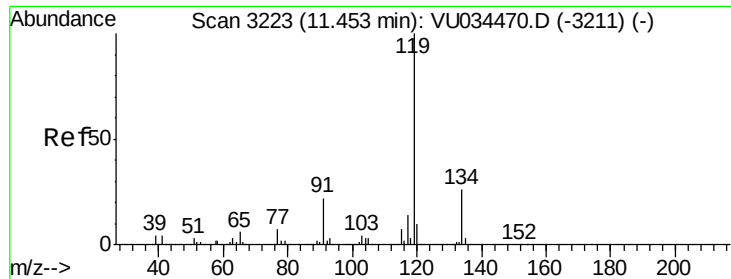
400

200

0

Time--> 12.85 12.90

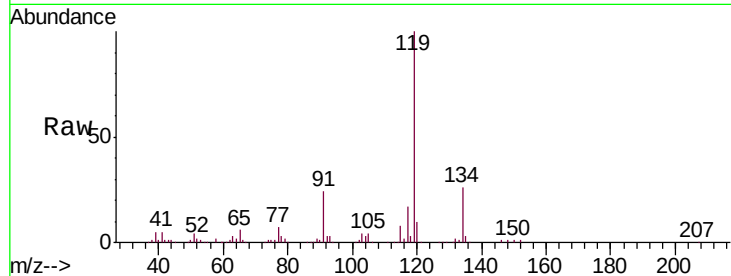




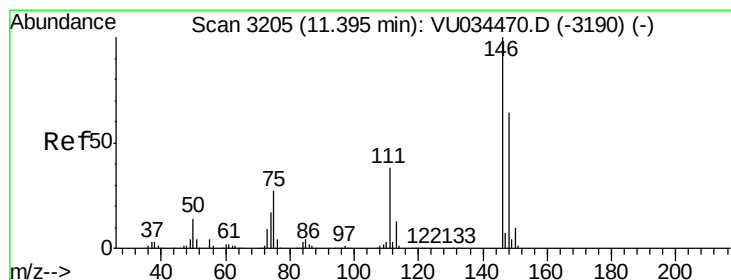
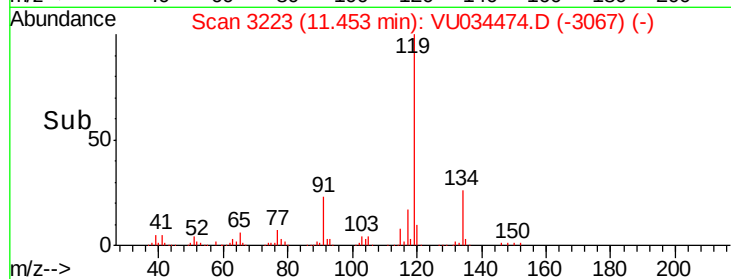
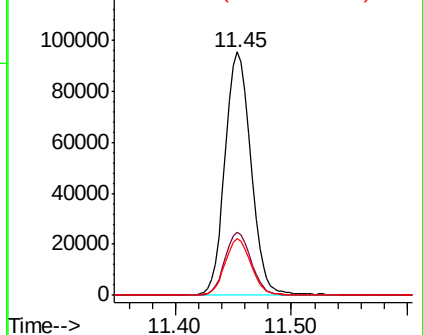
#81
 p-Isopropyltoluene
 Concen: 1.884 ug/l
 RT: 11.45 min Scan# 3223
 Delta R.T. 0.00 min
 Lab File: VU034474.D
 Acq: 11 Sep 2019 13:56

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0911WBS01

Tgt Ion:119 Resp: 147159
 Ion Ratio Lower Upper
 119 100
 134 26.4 21.2 31.8
 91 23.1 17.6 26.4

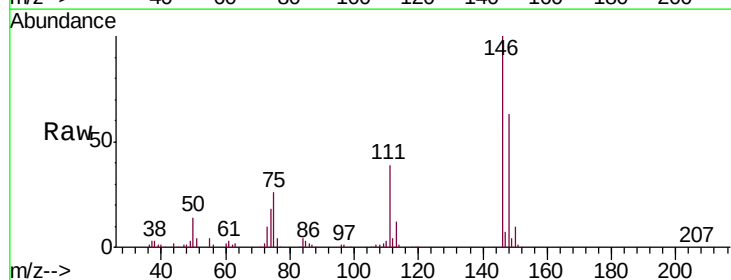


Abundance Ion 119.00 (118.70 to 119.70): V
 Ion 134.00 (133.70 to 134.70): V
 Ion 91.00 (90.70 to 91.70): V

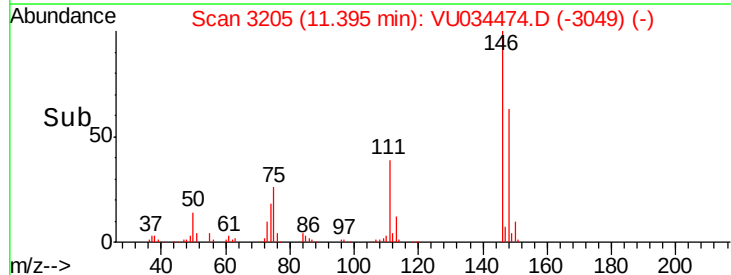
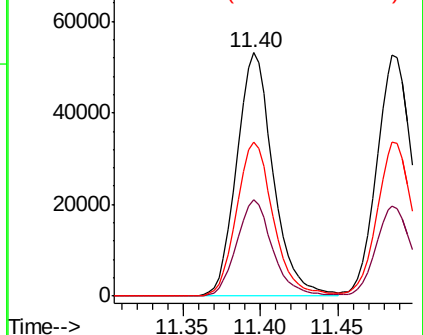


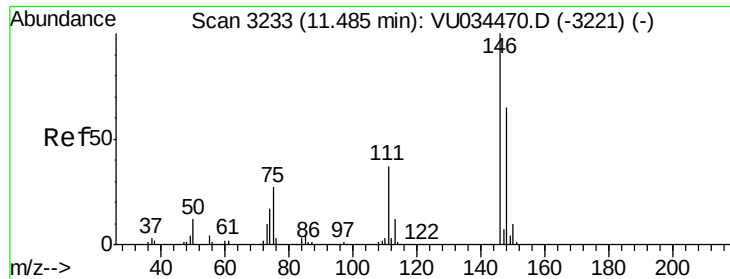
#82
 1,3-Dichlorobenzene
 Concen: 1.937 ug/l
 RT: 11.40 min Scan# 3205
 Delta R.T. 0.00 min
 Lab File: VU034474.D
 Acq: 11 Sep 2019 13:56

Tgt Ion:146 Resp: 87139
 Ion Ratio Lower Upper
 146 100
 111 39.1 31.0 46.6
 148 64.0 51.5 77.3



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

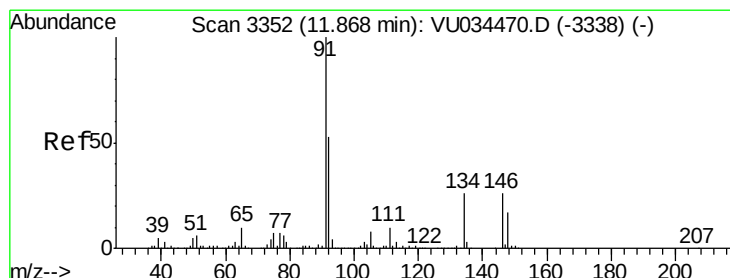
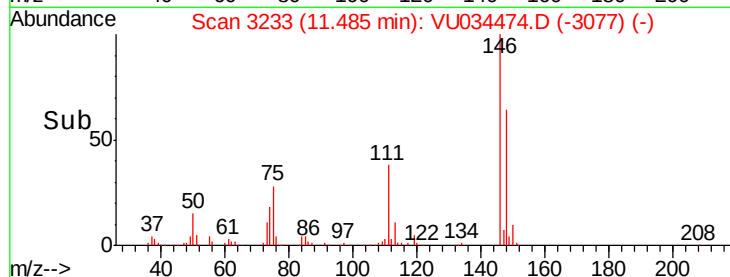
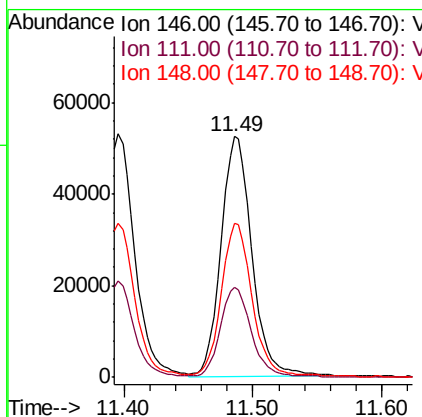
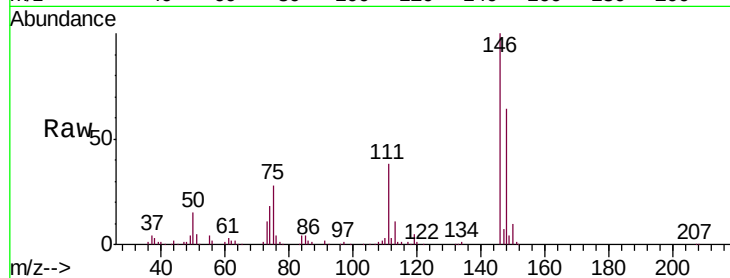




#83
 1,4-Dichlorobenzene
 Concen: 1.945 ug/l
 RT: 11.49 min Scan# 3233
 Delta R.T. 0.00 min
 Lab File: VU034474.D
 Acq: 11 Sep 2019 13:56

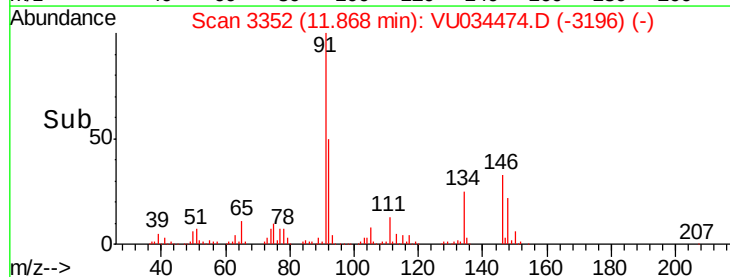
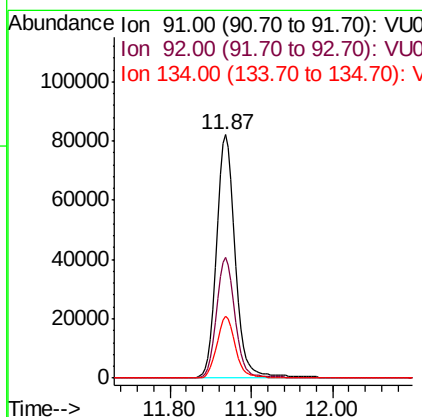
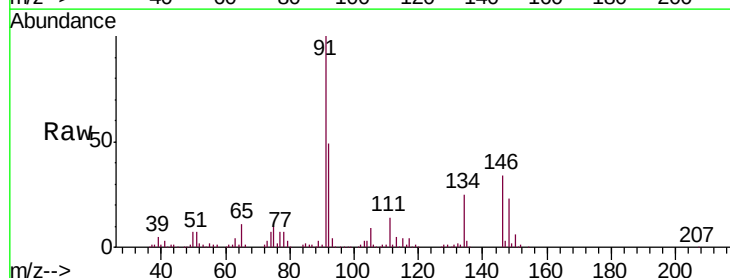
Instrument :
 MSVOA_U
 ClientSampleId :
 VU0911WBS01

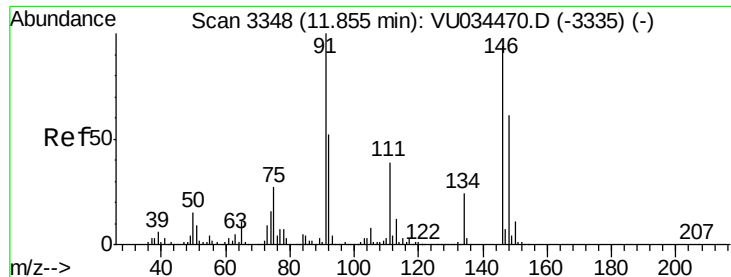
Tgt Ion:146 Resp: 86929
 Ion Ratio Lower Upper
 146 100
 111 37.2 29.5 44.3
 148 62.0 51.0 76.4



#84
 n-Butylbenzene
 Concen: 1.871 ug/l
 RT: 11.87 min Scan# 3352
 Delta R.T. 0.00 min
 Lab File: VU034474.D
 Acq: 11 Sep 2019 13:56

Tgt Ion: 91 Resp: 134453
 Ion Ratio Lower Upper
 91 100
 92 49.4 42.4 63.6
 134 25.1 21.0 31.4





#85

1,2-Dichlorobenzene

Concen: 1.900 ug/l

RT: 11.86 min Scan# 3349

Delta R.T. 0.00 min

Lab File: VU034474.D

Acq: 11 Sep 2019 13:56

Instrument :

MSVOA_U

ClientSampleId :

VU0911WBS01

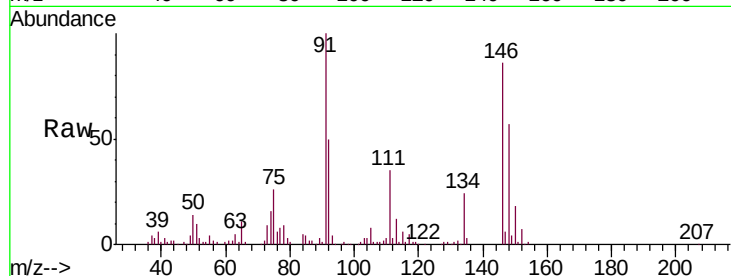
Tgt Ion:146 Resp: 77441

Ion Ratio Lower Upper

146 100

111 41.7 20.3 60.8

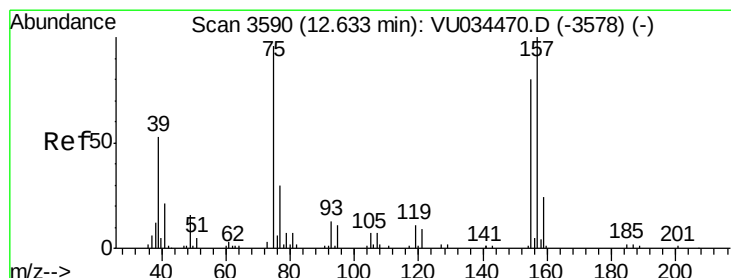
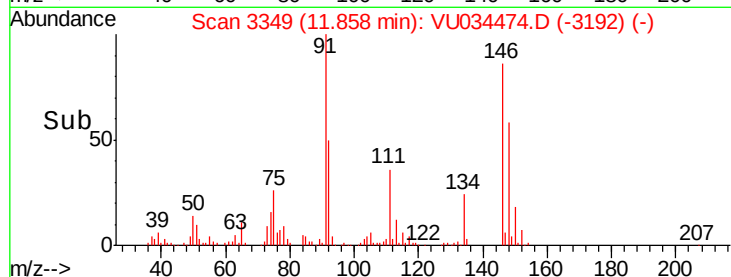
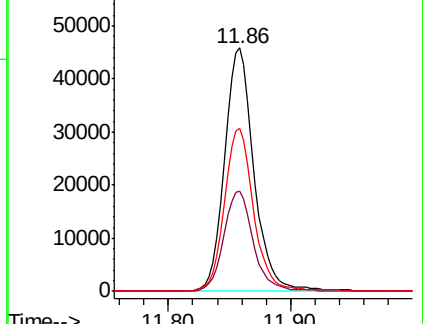
148 66.6 32.2 96.6



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: 1.986 ug/l

RT: 12.64 min Scan# 3591

Delta R.T. 0.00 min

Lab File: VU034474.D

Acq: 11 Sep 2019 13:56

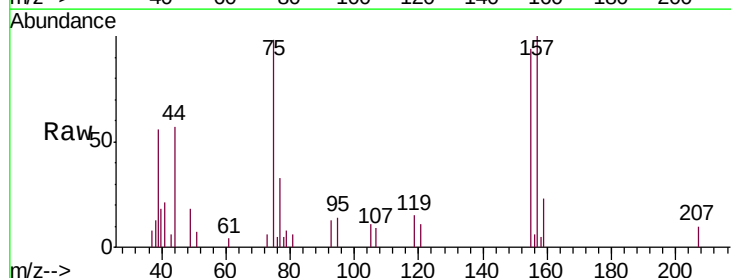
Tgt Ion: 75 Resp: 4491

Ion Ratio Lower Upper

75 100

155 91.3 68.9 103.3

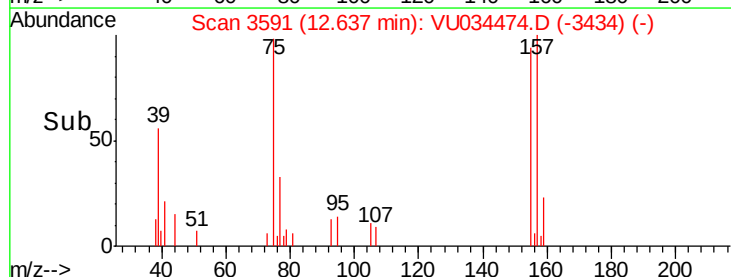
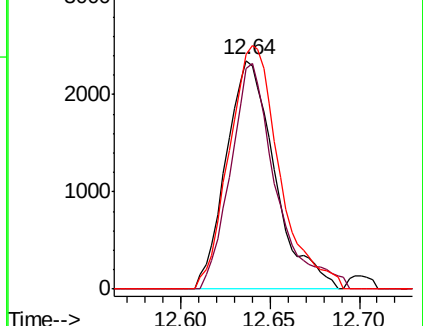
157 109.6 89.9 134.9

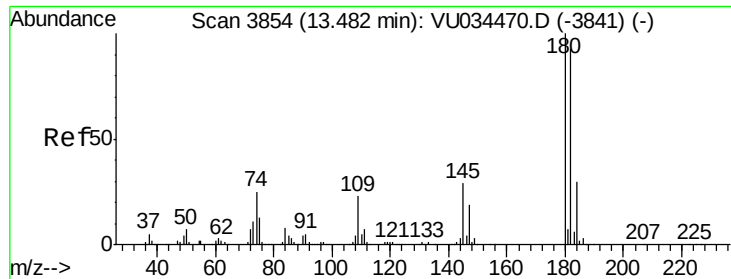


Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

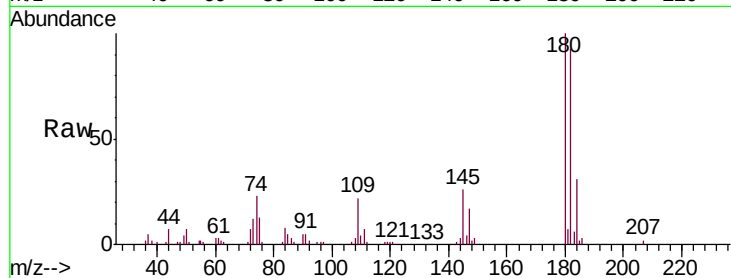




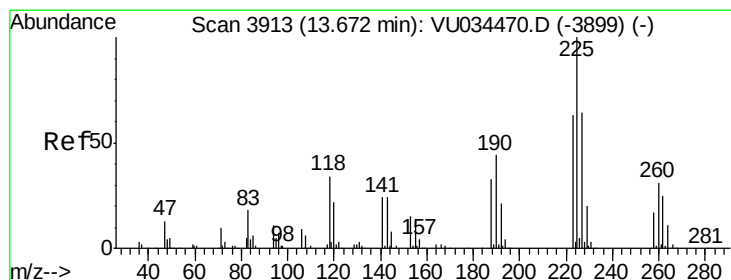
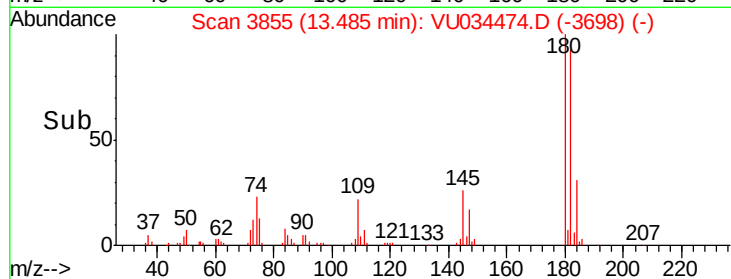
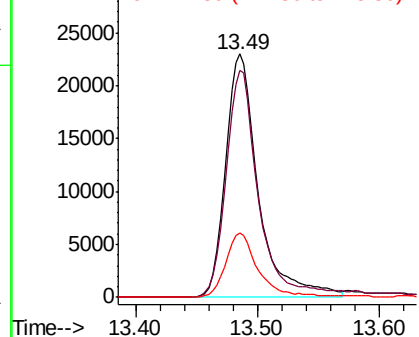
#87
 1,2,4-Trichlorobenzene
 Concen: 1.844 ug/l
 RT: 13.49 min Scan# 3855
 Delta R.T. 0.00 min
 Lab File: VU034474.D
 Acq: 11 Sep 2019 13:56

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0911WBS01

Tgt Ion:180 Resp: 43379
 Ion Ratio Lower Upper
 180 100
 182 92.4 76.6 114.8
 145 26.2 23.0 34.6

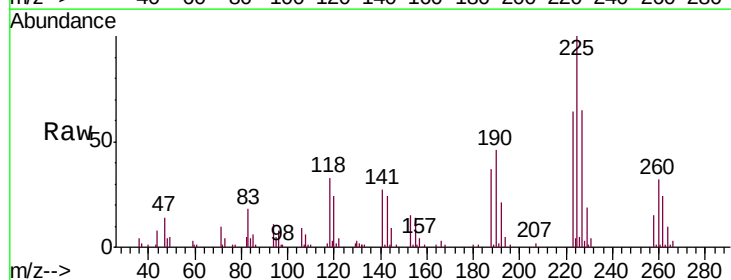


Abundance Ion 179.70 (179.40 to 180.40): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

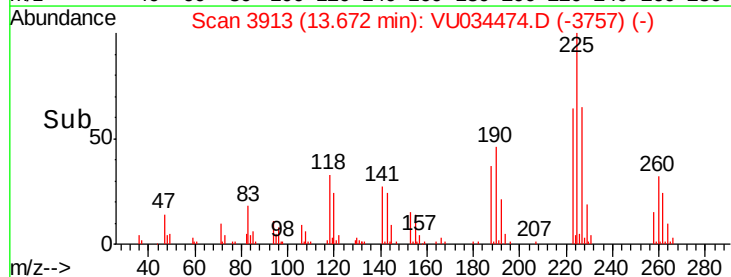
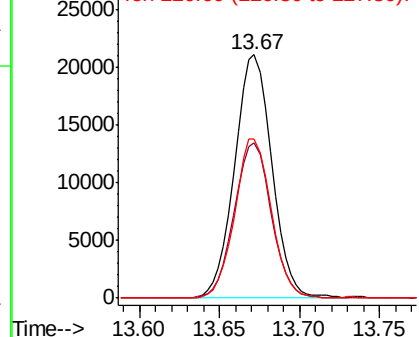


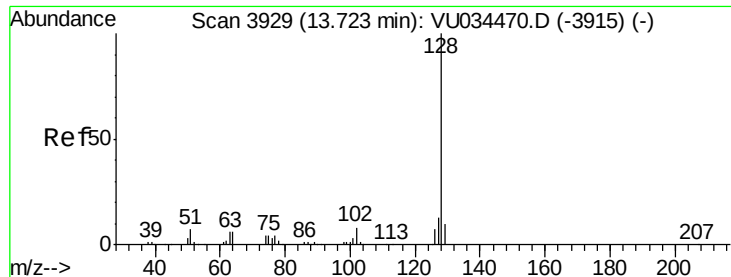
#88
 Hexachlorobutadiene
 Concen: 1.874 ug/l
 RT: 13.67 min Scan# 3913
 Delta R.T. 0.00 min
 Lab File: VU034474.D
 Acq: 11 Sep 2019 13:56

Tgt Ion:225 Resp: 33588
 Ion Ratio Lower Upper
 225 100
 223 63.3 50.3 75.5
 227 63.8 51.1 76.7



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

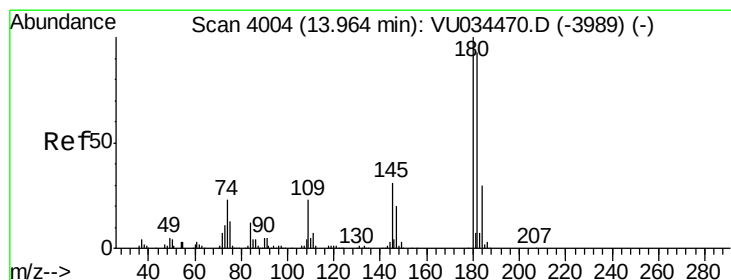
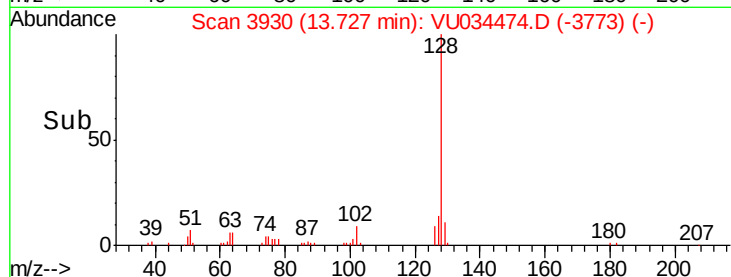
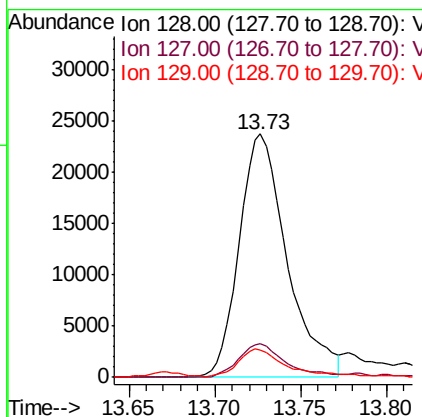
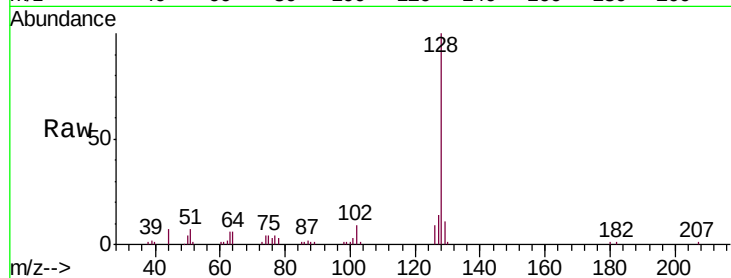




#89
Naphthalene
Concen: 1.801 ug/l
RT: 13.73 min Scan# 3930
Delta R.T. 0.00 min
Lab File: VU034474.D
Acq: 11 Sep 2019 13:56

Instrument :
MSVOA_U
ClientSampleId :
VU0911WBS01

Tgt Ion:128 Resp: 45935
Ion Ratio Lower Upper
128 100
127 13.5 10.2 15.2
129 11.8 8.0 12.0



#90
1,2,3-Trichlorobenzene
Concen: 1.830 ug/l
RT: 13.97 min Scan# 4006
Delta R.T. 0.01 min
Lab File: VU034474.D
Acq: 11 Sep 2019 13:56

Tgt Ion:180 Resp: 39652
Ion Ratio Lower Upper
180 100
182 92.6 75.4 113.2
145 30.7 24.5 36.7

