

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U020819\
 Data File : VU029372.D
 Acq On : 08 Feb 2019 10:27
 Operator : JC/SP
 Sample : VSTDCCC010
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Feb 09 03:16:32 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA U\METHOD\524U020519DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Fri Feb 08 10:52:46 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
-----	-----	-----	-----	-----	-----	-----
1) Fluorobenzene	5.74	96	55821	1.00	ug/l	0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.31	95	24682	1.13	ug/l	0.00
Spiked Amount 1.000			Recovery	=	113.00%	
68) 1,2-Dichlorobenzene-d4	11.86	152	24872	1.11	ug/l	0.00
Spiked Amount 1.000			Recovery	=	111.00%	
Target Compounds						
					Ovalue	
2) Dichlorodifluoromethane	1.21	85	199760	9.589	ug/l	99
3) Chloromethane	1.33	50	166024	8.721	ug/l	98
4) Vinyl Chloride	1.40	62	214996	9.634	ug/l	100
5) Bromomethane	1.62	94	127508	10.272	ug/l	95
6) Chloroethane	1.70	64	128429	9.850	ug/l	99
7) Trichlorofluoromethane	1.88	101	333621	10.705	ug/l	98
8) 1,1,2-Trichloro-1,2,2-trif	2.29	101	181141	11.008	ug/l	88
9) 1,1-Dichloroethene	2.28	96	173109	10.750	ug/l	72
10) Iodomethane	2.41	142	243197	10.088	ug/l #	78
11) Allyl Chloride	2.59	41	259329	9.603	ug/l	93
12) Acrylonitrile	2.93	53	72679	20.137	ug/l	96
13) Acetone	2.32	43	173412	49.854	ug/l #	83
14) Carbon Disulfide	2.47	76	575248	10.117	ug/l	100
15) Methylene Chloride	2.70	84	189239	9.692	ug/l #	78
16) trans-1,2-Dichloroethene	2.98	96	193121	10.724	ug/l #	76
17) 1,1-Dichloroethane	3.44	63	283434	9.932	ug/l	96
18) 2-Butanone	4.27	43	190185	48.920	ug/l	98
19) Cyclohexane	4.99	56	205354	7.761	ug/l	85
20) Methylcyclohexane	6.41	83	284058	10.222	ug/l #	84
21) 2,2-Dichloropropane	4.22	77	269581	10.206	ug/l	92
22) cis-1,2-Dichloroethene	4.22	96	180228	10.624	ug/l	76
23) Diethyl Ether	2.10	59	128894	9.968	ug/l	88
24) tert-Butyl Alcohol	2.83	59	136250	101.389	ug/l	99
25) Methyl tert-Butyl Ether	3.00	73	469259	10.349	ug/l #	86
26) Bromochloromethane	4.54	128	81551	10.883	ug/l	70
27) Chloroform	4.67	83	289040	10.415	ug/l	99
28) 1,1,1-Trichloroethane	4.91	97	267187	10.388	ug/l	94
29) 1,1-Dichloropropene	5.13	75	221560	9.922	ug/l	91
30) Carbon Tetrachloride	5.13	117	251797	10.813	ug/l	97
31) Isopropyl Ether	3.58	45	400868	9.310	ug/l	91
32) Ethyl-t-butyl ether	4.07	59	414628	9.609	ug/l	87
33) Tert-Amyl methyl ether	5.58	73	394786	10.118	ug/l	98
34) Propionitrile	4.33	54	53373	52.230	ug/l #	91
35) Benzene	5.38	78	624742	10.117	ug/l	99
36) 1,2-Dichloroethane	5.40	62	183180	9.808	ug/l #	90
37) Trichloroethene	6.18	130	197232	11.131	ug/l	85
38) 1,2-Dichloropropane	6.43	63	156763	9.759	ug/l	99
39) Methacrylonitrile	4.54	41	48480	9.264	ug/l #	88
40) Methyl acrylate	4.42	55	78232	9.903	ug/l #	90
41) Tetrahydrofuran	4.65	42	46944	17.808	ug/l #	78
42) 1-Chlorobutane	5.06	56	285144	9.531	ug/l	86

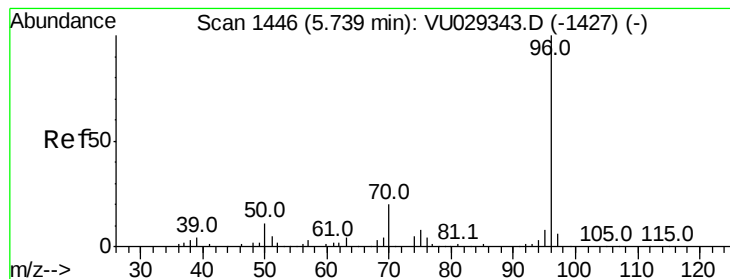
Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU020819\
 Data File : VU029372.D
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Quant Time: Feb 09 03:16:32 2019
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 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Fri Feb 08 10:52:46 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Dibromomethane	6.56	93	87835	10.261	ug/l	91
44) Bromodichloromethane	6.76	83	221930	10.175	ug/l	95
45) 4-Methyl-2-Pentanone	7.46	43	472968	47.133	ug/l #	89
46) t-1,4-Dichloro-2-butene	10.49	75	92390	18.898	ug/l #	85
47) Methyl methacrylate	6.62	69	155507	20.647	ug/l #	74
48) Ethyl methacrylate	8.02	69	167378	10.359	ug/l	78
49) Toluene	7.63	92	415544	10.516	ug/l	98
50) t-1,3-Dichloropropene	7.88	75	217009	10.149	ug/l	97
51) cis-1,3-Dichloropropene	7.27	75	256960	10.117	ug/l #	88
52) 1,1,2-Trichloroethane	8.06	97	119764	10.568	ug/l	98
53) 1,3-Dichloropropane	8.24	76	205283	10.311	ug/l	99
54) 2-Hexanone	8.36	43	342191	48.649	ug/l	87
55) Dibromochloromethane	8.47	129	177363	11.011	ug/l	99
56) 1,2-Dibromoethane	8.59	107	120410	10.356	ug/l	100
58) Tetrachloroethene	8.22	164	188275	11.419	ug/l	91
59) Chlorobenzene	9.12	112	491993	11.053	ug/l	97
60) 1,1,1,2-Tetrachloroethane	9.21	131	184332	11.207	ug/l	98
61) Pentachloroethane	11.10	117	139903	10.975	ug/l	84
62) Hexachloroethane	12.14	117	156626	11.257	ug/l	92
63) Ethyl Benzene	9.25	91	815897	10.555	ug/l	93
64) m/p-Xylenes	9.37	106	654459	21.785	ug/l	85
65) o-Xylene	9.77	106	319178	10.824	ug/l	86
66) Styrene	9.79	104	534291	10.869	ug/l	93
67) Bromoform	9.95	173	114077	11.384	ug/l	98
69) Isopropylbenzene	10.16	105	858226	10.894	ug/l	95
70) 1,1,2,2-Tetrachloroethane	10.46	83	153757	10.586	ug/l	97
71) 1,2,3-Trichloropropane	10.49	75	92390	9.262	ug/l #	77
72) Bromobenzene	10.45	156	220870	11.566	ug/l	82
73) n-propylbenzene	10.58	120	249873	11.387	ug/l	75
74) 2-Chlorotoluene	10.66	126	209324	11.203	ug/l	74
75) 1,3,5-Trimethylbenzene	10.77	105	729287	10.737	ug/l	94
76) 4-Chlorotoluene	10.77	126	219850	11.337	ug/l	75
77) tert-Butylbenzene	11.10	119	741007	11.037	ug/l	91
78) 1,2,4-Trimethylbenzene	11.14	105	743218	10.808	ug/l	94
79) sec-Butylbenzene	11.32	105	954900	10.870	ug/l	95
80) Nitrobenzene	12.86	77	34317	53.028	ug/l	92
81) p-Isopropyltoluene	11.47	119	833352	11.192	ug/l	93
82) 1,3-Dichlorobenzene	11.41	146	434769	11.604	ug/l	96
83) 1,4-Dichlorobenzene	11.50	146	434210	11.637	ug/l	96
84) n-Butylbenzene	11.89	91	749008	10.961	ug/l	96
85) 1,2-Dichlorobenzene	11.88	146	403567	11.393	ug/l	97
86) 1,2-Dibromo-3-Chloropropan	12.66	75	25824	9.526	ug/l #	53
87) 1,2,4-Trichlorobenzene	13.50	180	306219	12.307	ug/l	98
88) Hexachlorobutadiene	13.69	225	179647	12.467	ug/l	98
89) Naphthalene	13.74	128	490474	11.623	ug/l	98
90) 1,2,3-Trichlorobenzene	13.98	180	268442	11.805	ug/l	98

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



#1

Fluorobenzene

Concen: 1.000 ug/l

RT: 5.74 min Scan# 1446

Delta R.T. 0.00 min

Lab File: VU029372.D

Acq: 08 Feb 2019 10:27

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 96 Resp: 55821

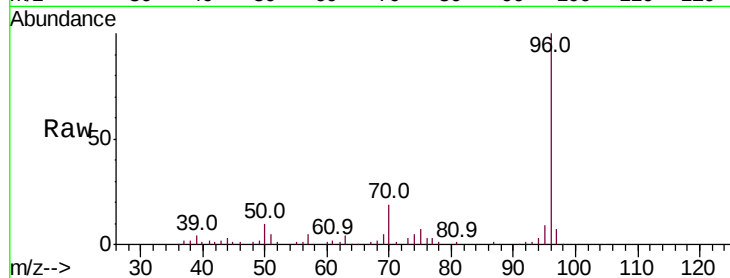
Ion Ratio Lower Upper

96 100

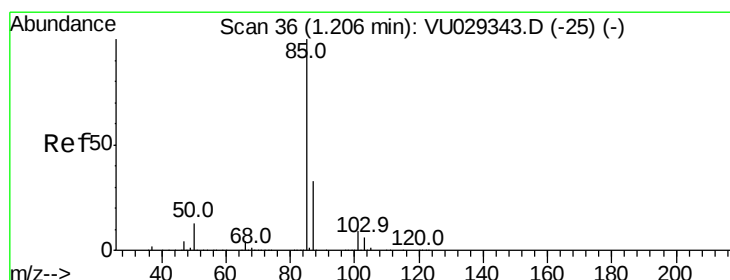
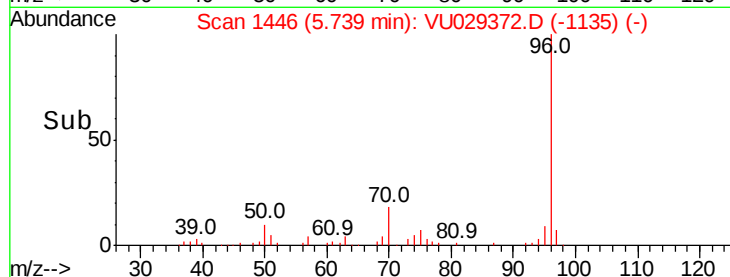
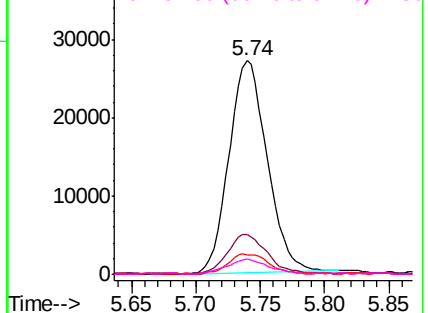
70 19.9 16.2 24.2

95 9.6 7.4 11.2

97 0.0 0.0 0.0



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



#2

Dichlorodifluoromethane

Concen: 9.589 ug/l

RT: 1.21 min Scan# 36

Delta R.T. 0.00 min

Lab File: VU029372.D

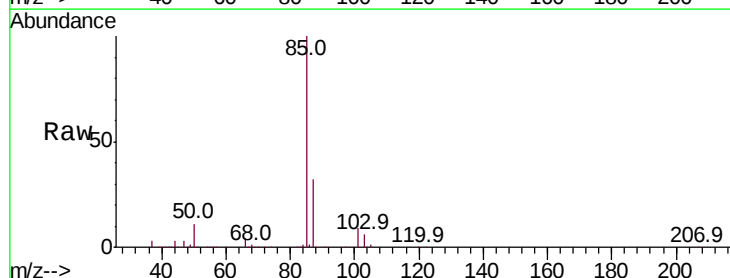
Acq: 08 Feb 2019 10:27

Tgt Ion: 85 Resp: 199760

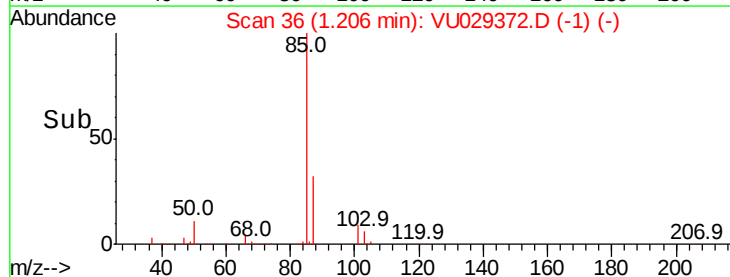
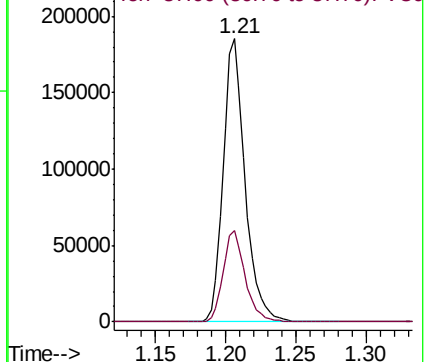
Ion Ratio Lower Upper

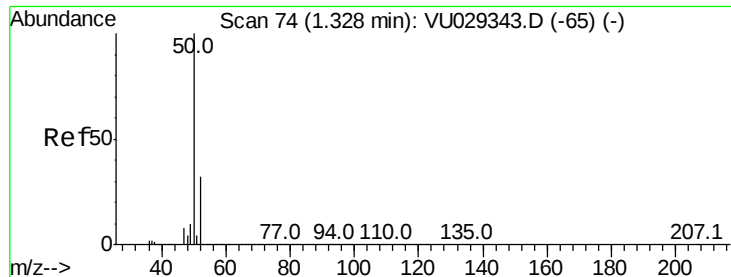
85 100

87 32.2 15.9 47.6



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





#3

Chloromethane

Concen: 8.721 ug/l

RT: 1.33 min Scan# 74

Delta R.T. 0.00 min

Lab File: VU029372.D

Acq: 08 Feb 2019 10:27

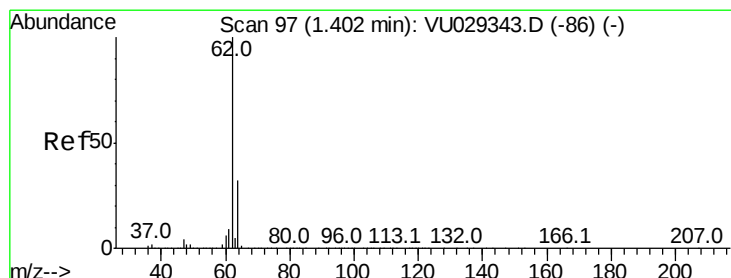
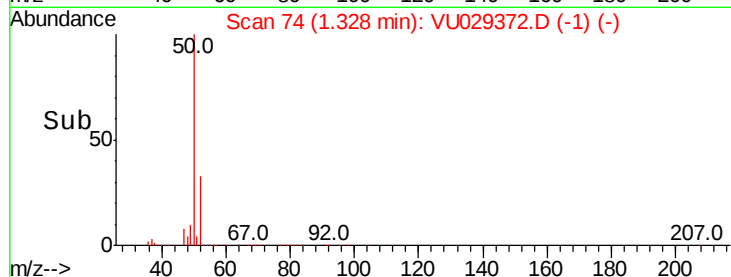
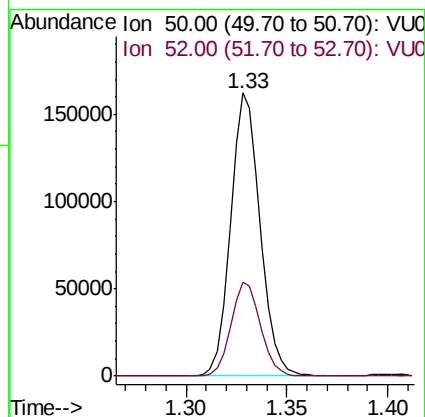
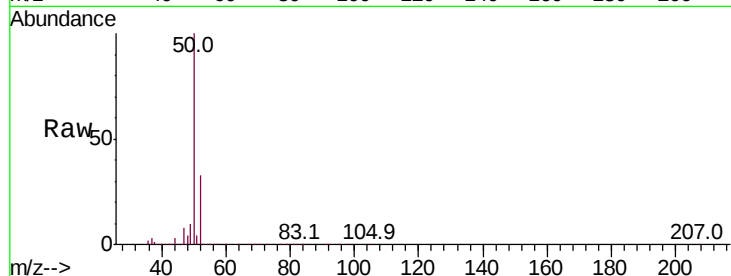
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 50 Resp: 166024

Ion Ratio Lower Upper

50 100

52 33.2 27.3 40.9



#4

Vinyl Chloride

Concen: 9.634 ug/l

RT: 1.40 min Scan# 97

Delta R.T. 0.00 min

Lab File: VU029372.D

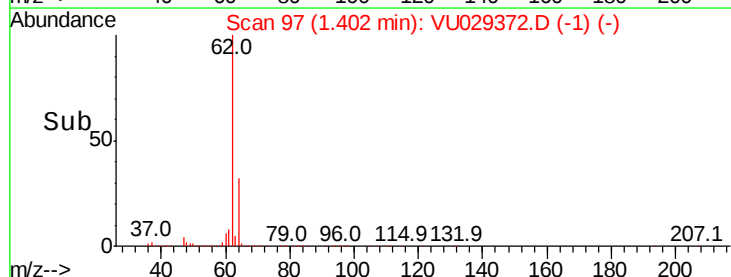
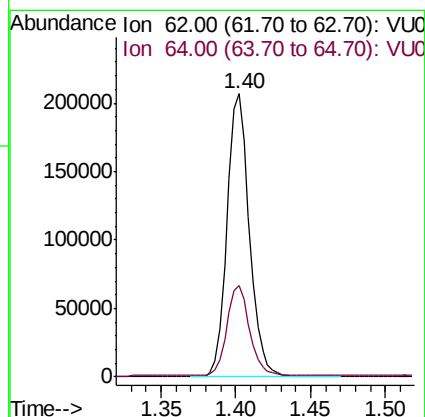
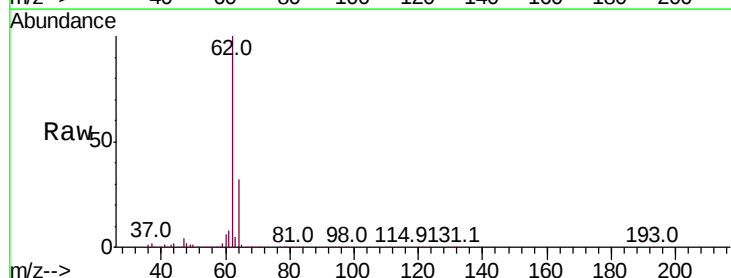
Acq: 08 Feb 2019 10:27

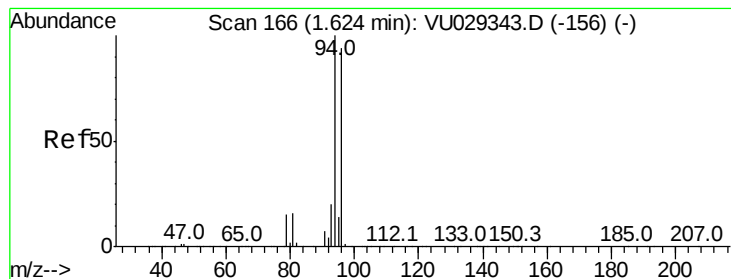
Tgt Ion: 62 Resp: 214996

Ion Ratio Lower Upper

62 100

64 31.7 25.2 37.8





#5

Bromomethane

Concen: 10.272 ug/l

RT: 1.62 min Scan# 166

Delta R.T. 0.00 min

Lab File: VU029372.D

Acq: 08 Feb 2019 10:27

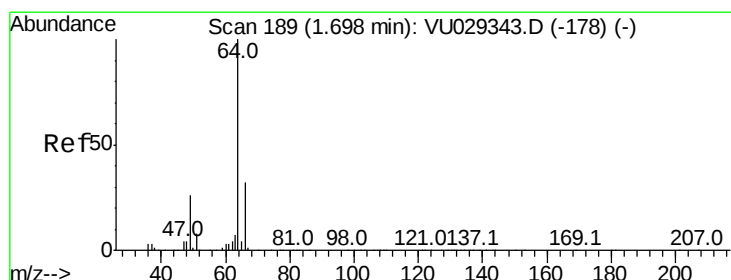
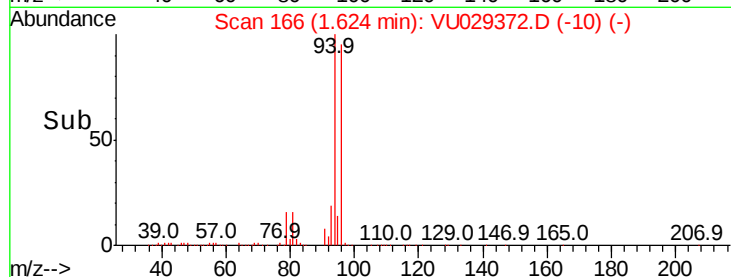
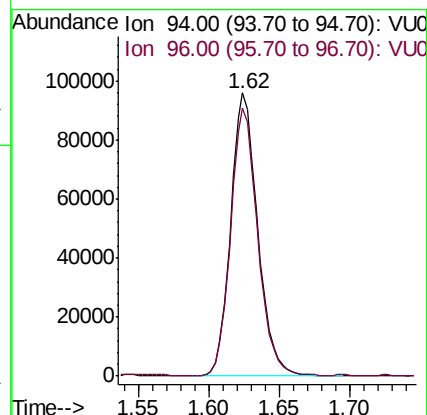
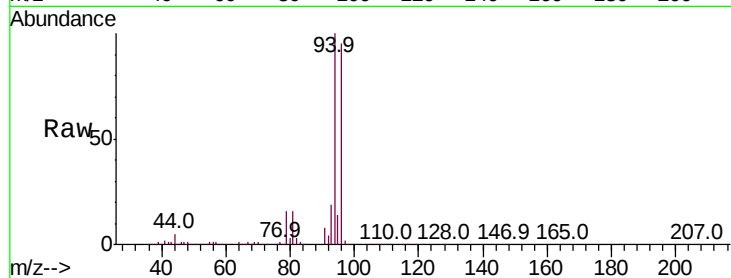
Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 94 Resp: 127508

Ion Ratio Lower Upper

94 100

96 94.6 71.7 107.5



#6

Chloroethane

Concen: 9.850 ug/l

RT: 1.70 min Scan# 189

Delta R.T. 0.00 min

Lab File: VU029372.D

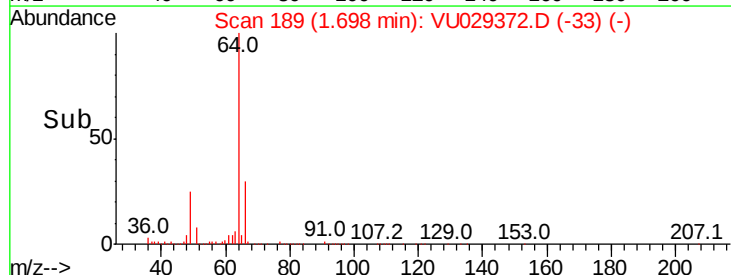
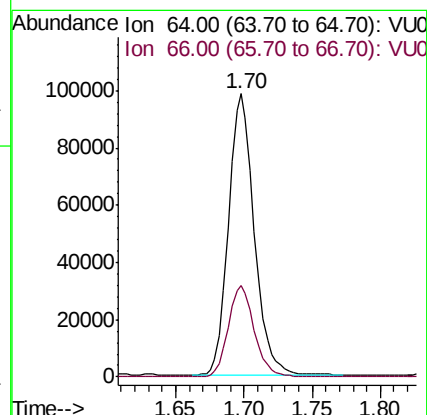
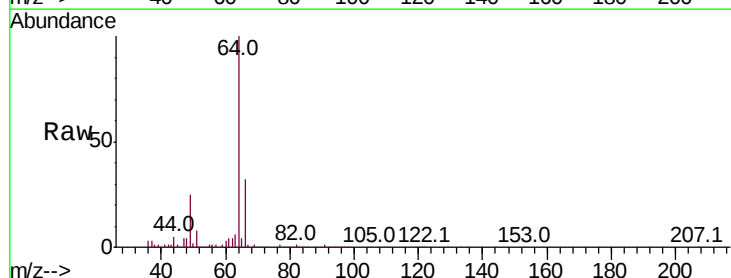
Acq: 08 Feb 2019 10:27

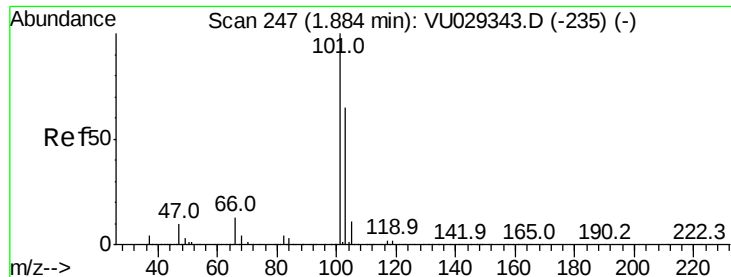
Tgt Ion: 64 Resp: 128429

Ion Ratio Lower Upper

64 100

66 32.5 26.3 39.5



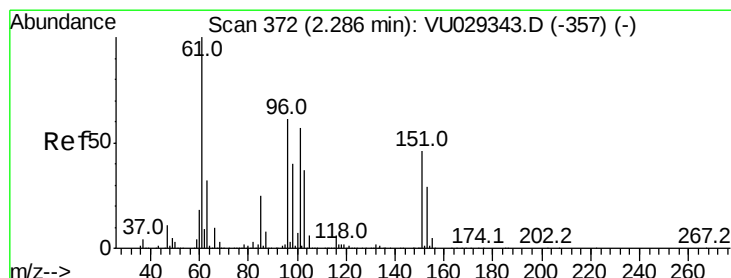
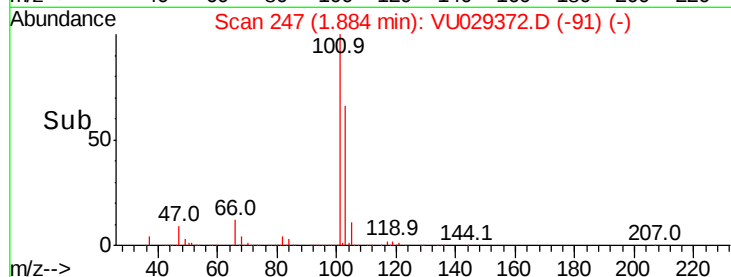
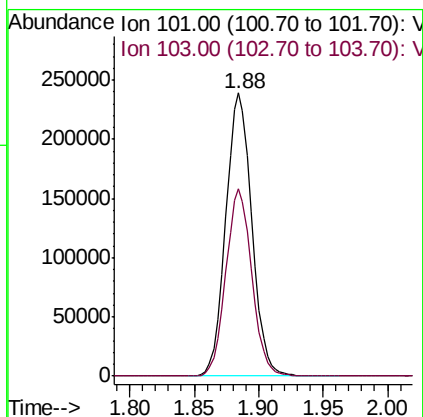
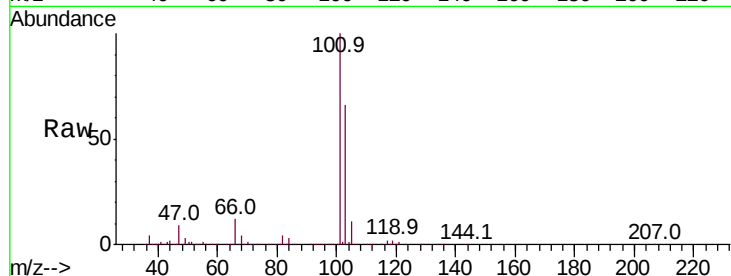


#7

Trichlorofluoromethane
 Concen: 10.705 ug/l
 RT: 1.88 min Scan# 247
 Delta R.T. 0.00 min
 Lab File: VU029372.D
 Acq: 08 Feb 2019 10:27

Instrument :
 MSVOA_U
 ClientSampleId :

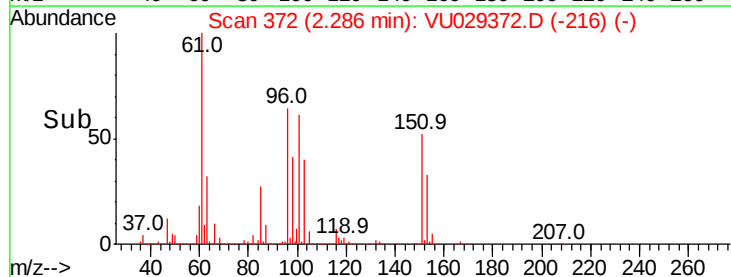
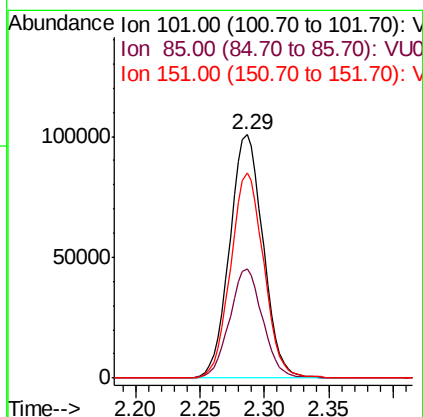
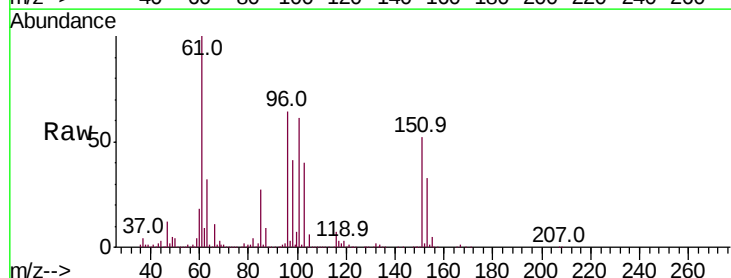
Tot Ion	Ratio	Lower	Upper
101	100		
103	66.1	53.9	80.9

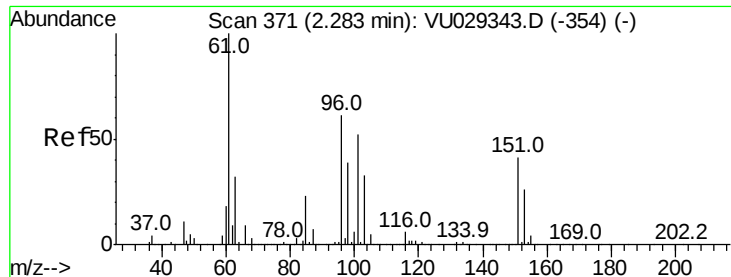


#8

1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 11.008 ug/l
 RT: 2.29 min Scan# 372
 Delta R.T. 0.00 min
 Lab File: VU029372.D
 Acq: 08 Feb 2019 10:27

Tgt Ion	Ratio	Lower	Upper
101	100		
85	43.9	40.3	60.5
151	84.1	58.1	87.1





#9

1,1-Dichloroethene

Concen: 10.750 ug/l

RT: 2.28 min Scan# 371

Delta R.T. 0.00 min

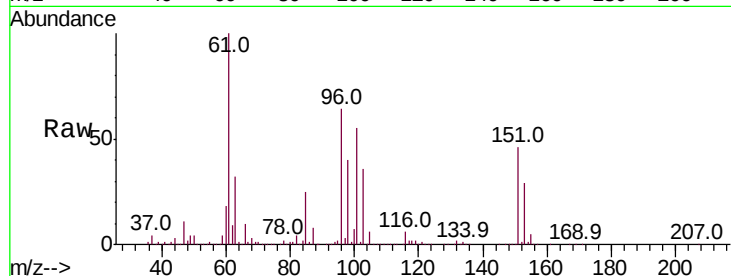
Lab File: VU029372.D

Acq: 08 Feb 2019 10:27

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 96 Resp: 173109

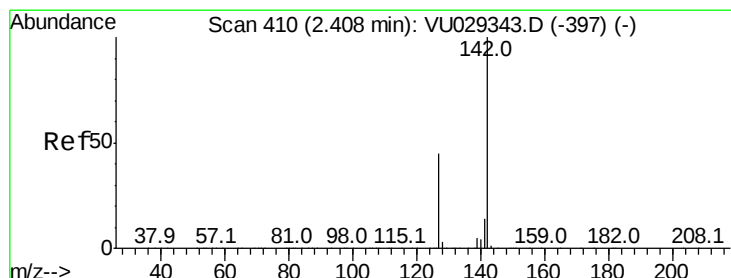
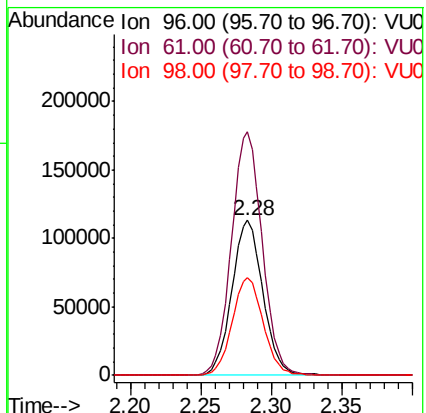
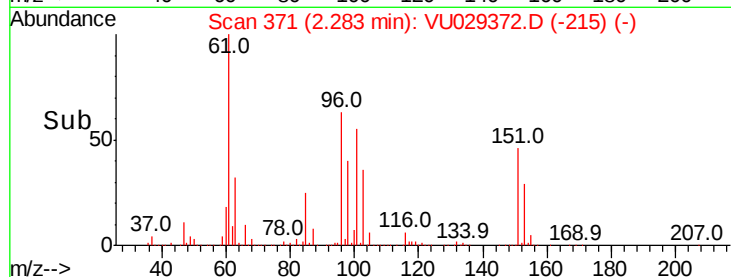
Ion	Ratio	Lower	Upper
96	100		
61	157.2	0.0	641.4
98	63.0	0.0	122.6



Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 98.00 (97.70 to 98.70): VU0



#10

Iodomethane

Concen: 10.088 ug/l

RT: 2.41 min Scan# 410

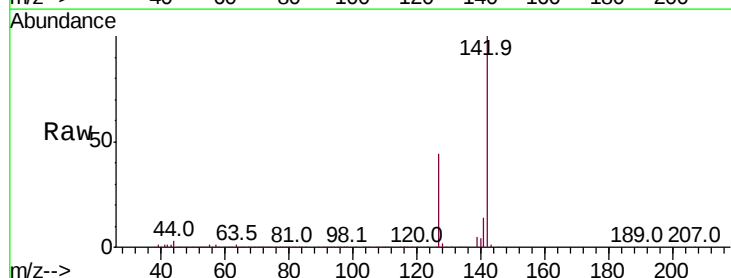
Delta R.T. 0.00 min

Lab File: VU029372.D

Acq: 08 Feb 2019 10:27

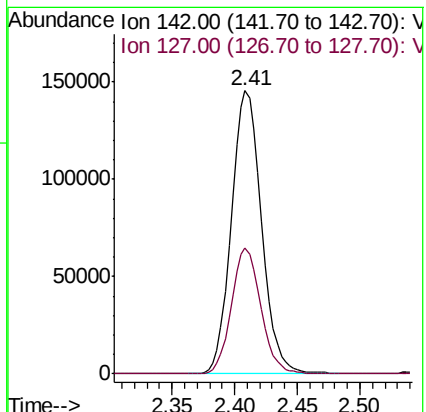
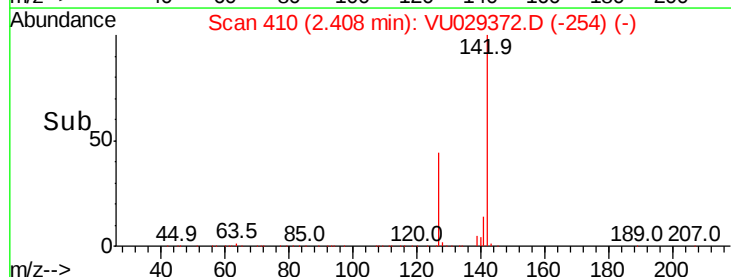
Tgt Ion:142 Resp: 243197

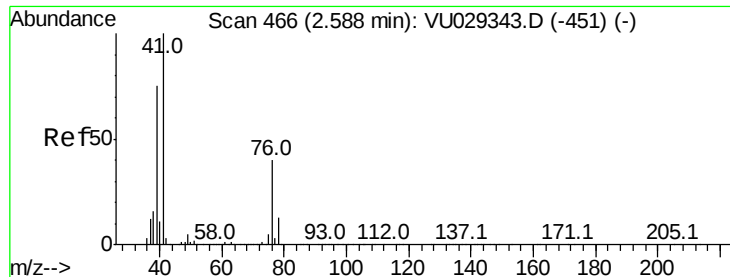
Ion	Ratio	Lower	Upper
142	100		
127	43.2	47.6	71.4#



Abundance Ion 142.00 (141.70 to 142.70): V

Ion 127.00 (126.70 to 127.70): V

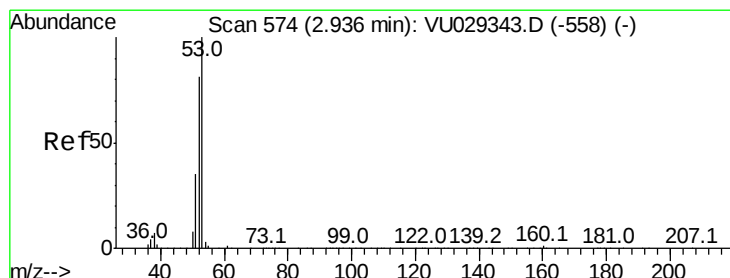
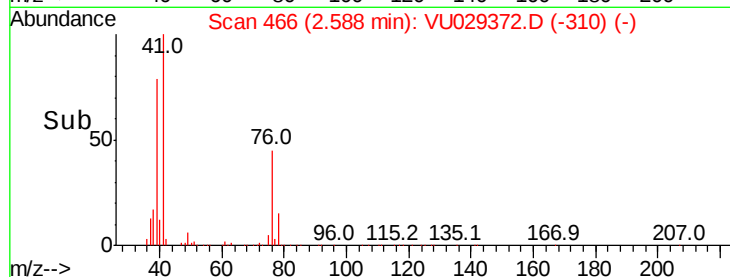
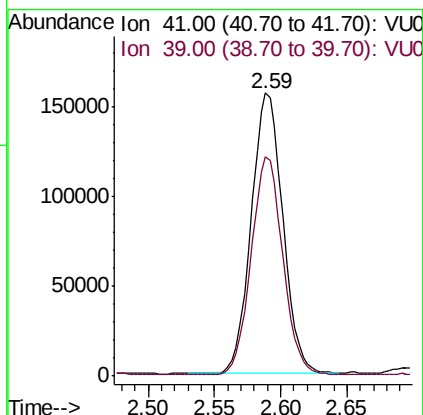
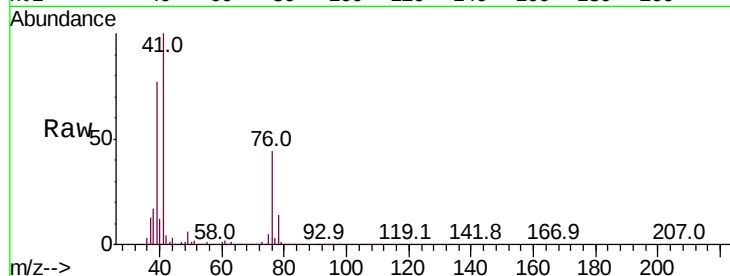




#11
Allvl Chloride
Concen: 9.603 ug/l
RT: 2.59 min Scan# 466
Delta R.T. 0.00 min
Lab File: VU029372.D
Acq: 08 Feb 2019 10:27

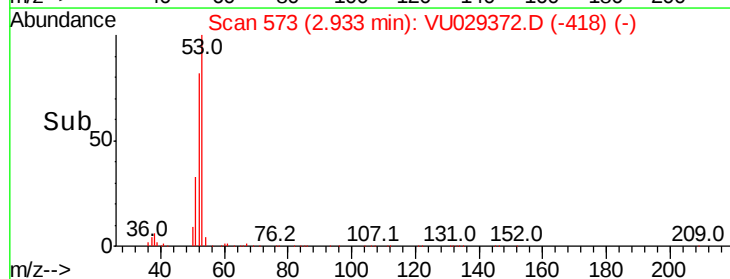
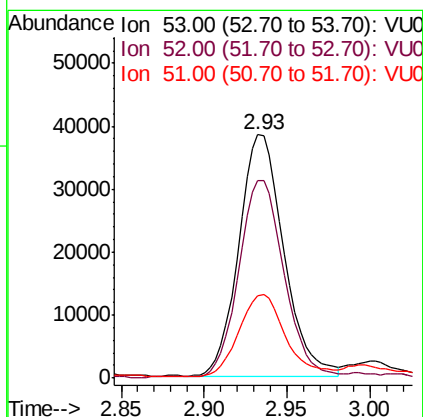
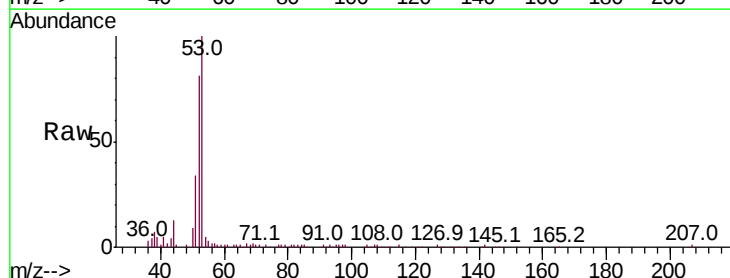
Instrument :
MSVOA_U
ClientSampleId :

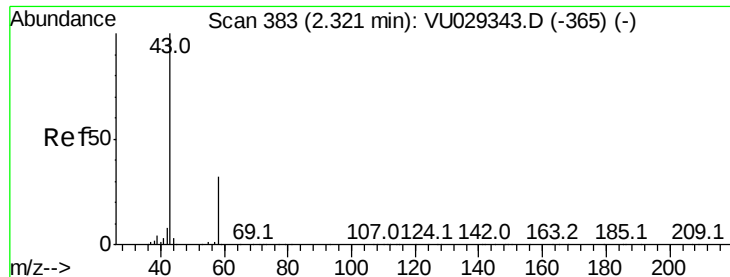
Tot Ion: 41 Resp: 259329
Ion Ratio Lower Upper
41 100
39 77.5 67.2 100.8



#12
Acrylonitrile
Concen: 20.137 ug/l
RT: 2.93 min Scan# 573
Delta R.T. -0.00 min
Lab File: VU029372.D
Acq: 08 Feb 2019 10:27

Tgt Ion: 53 Resp: 72679
Ion Ratio Lower Upper
53 100
52 81.1 67.6 101.4
51 35.2 31.0 46.4





#13

Acetone

Concen: 49.854 ug/l

RT: 2.32 min Scan# 382

Delta R.T. -0.00 min

Lab File: VU029372.D

Acq: 08 Feb 2019 10:27

Instrument :

MSVOA_U

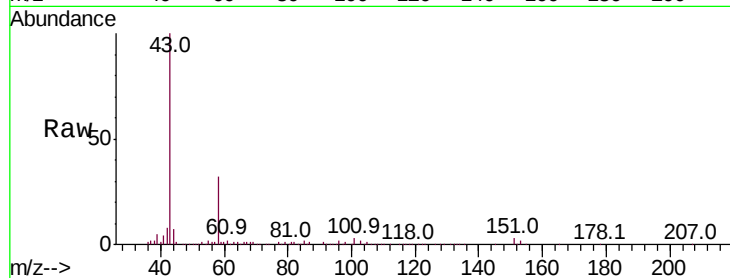
ClientSampled :

Tot Ion: 43 Resp: 173412

Ion Ratio Lower Upper

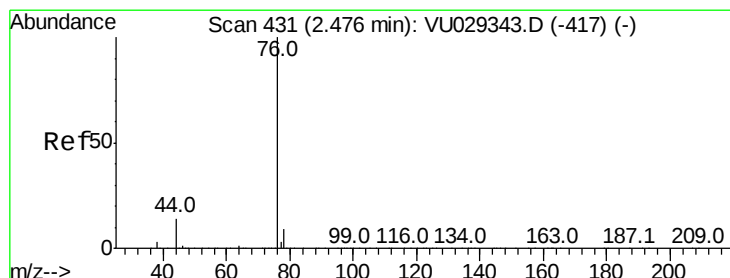
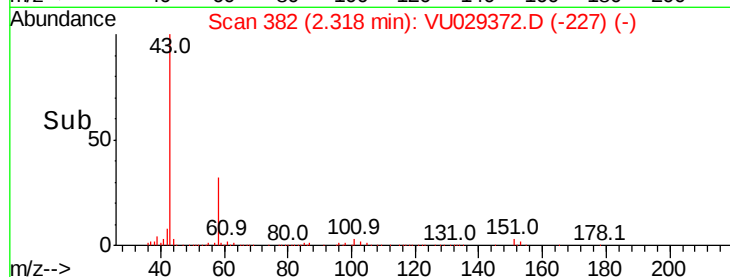
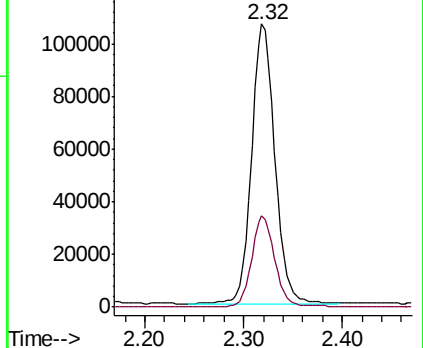
43 100

58 32.3 19.2 28.8#



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0



#14

Carbon Disulfide

Concen: 10.117 ug/l

RT: 2.47 min Scan# 430

Delta R.T. -0.00 min

Lab File: VU029372.D

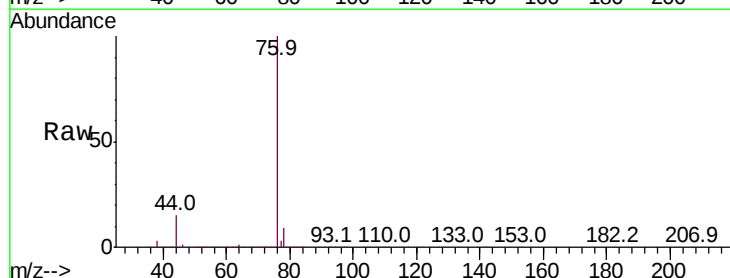
Acq: 08 Feb 2019 10:27

Tgt Ion: 76 Resp: 575248

Ion Ratio Lower Upper

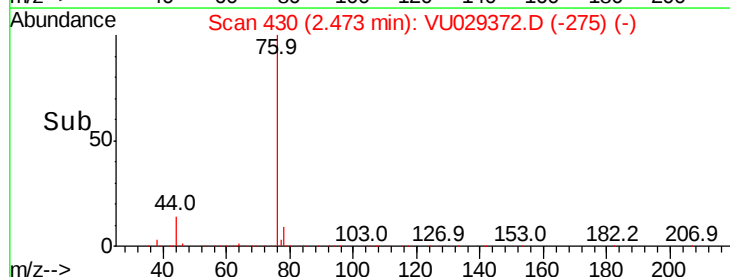
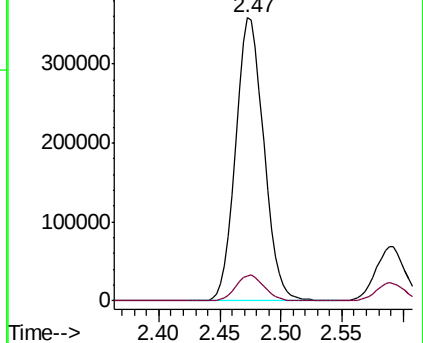
76 100

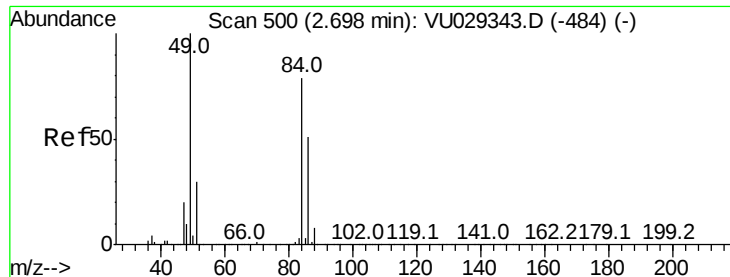
78 8.9 7.1 10.7



Abundance Ion 76.00 (75.70 to 76.70): VU0

Ion 78.00 (77.70 to 78.70): VU0

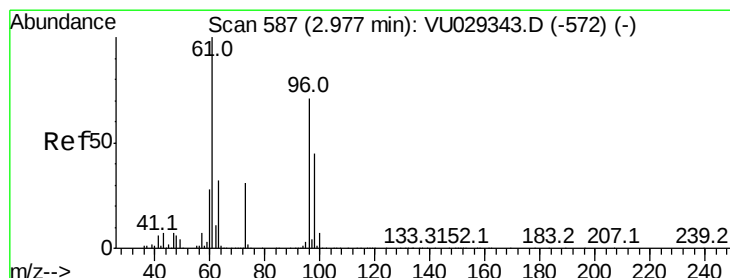
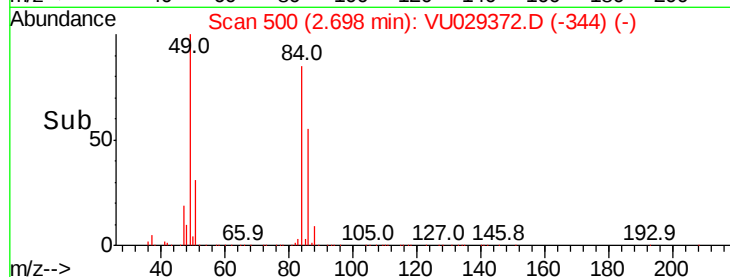
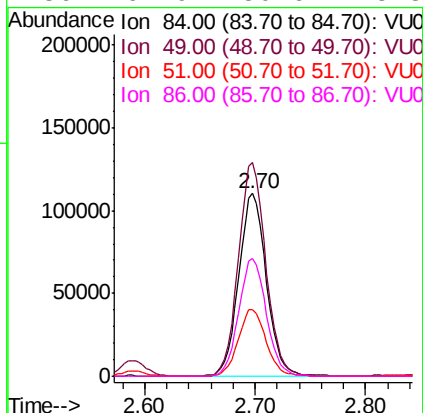
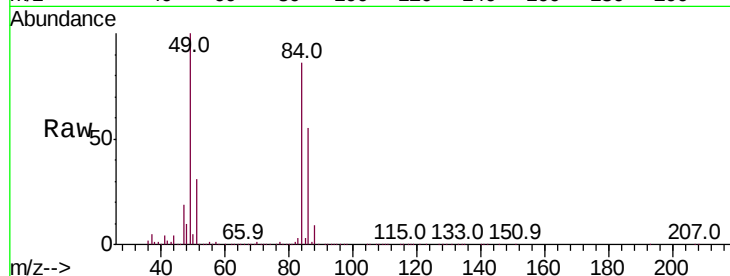




#15
Methylene Chloride
Concen: 9.692 ug/l
RT: 2.70 min Scan# 500
Delta R.T. 0.00 min
Lab File: VU029372.D
Acq: 08 Feb 2019 10:27

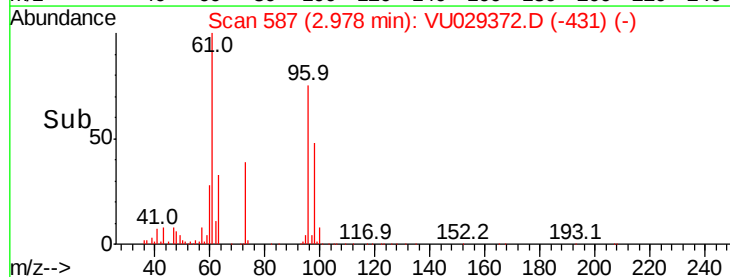
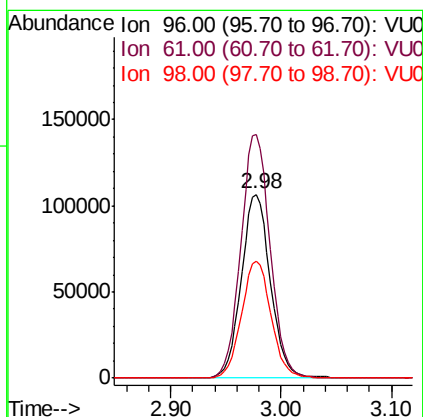
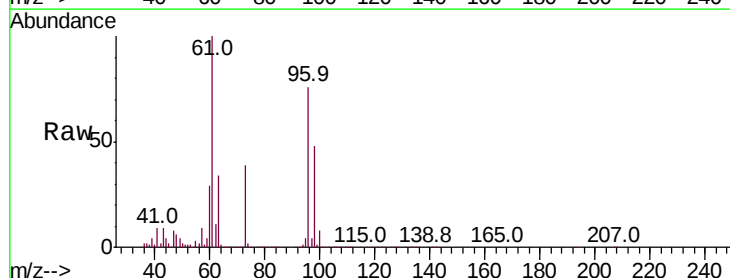
Instrument :
MSVOA_U
ClientSampleId :

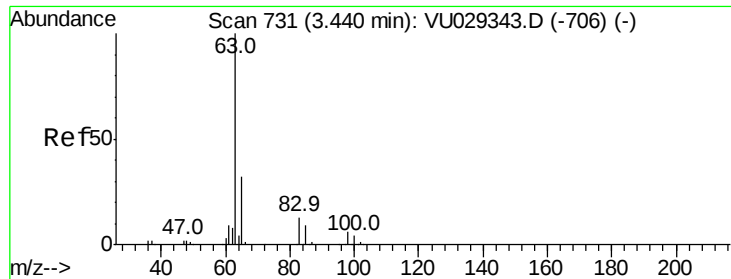
Tot Ion: 84 Resp: 189239
Ion Ratio Lower Upper
84 100
49 117.2 127.0 190.6#
51 36.5 0.0 93.4
86 64.9 50.6 75.8



#16
trans-1,2-Dichloroethene
Concen: 10.724 ug/l
RT: 2.98 min Scan# 587
Delta R.T. 0.00 min
Lab File: VU029372.D
Acq: 08 Feb 2019 10:27

Tgt Ion: 96 Resp: 193121
Ion Ratio Lower Upper
96 100
61 132.7 140.6 210.8#
98 63.8 49.3 73.9





#17

1,1-Dichloroethane

Concen: 9.932 ug/l

RT: 3.44 min Scan# 730

Delta R.T. -0.00 min

Lab File: VU029372.D

Acq: 08 Feb 2019 10:27

Instrument :
MSVOA_U
ClientSampleId :

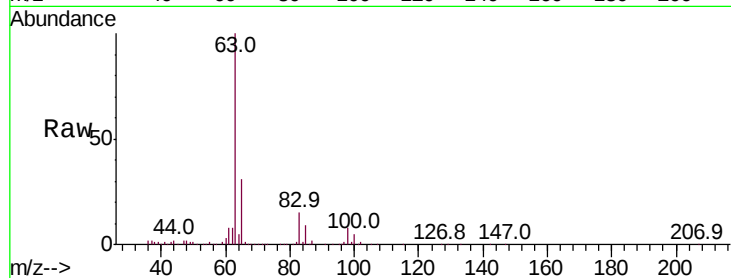
Tot Ion: 63 Resp: 283434

Ion Ratio Lower Upper

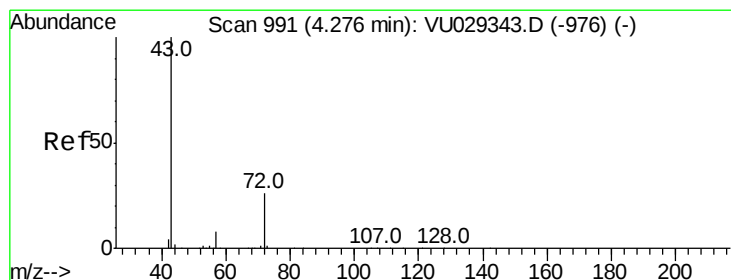
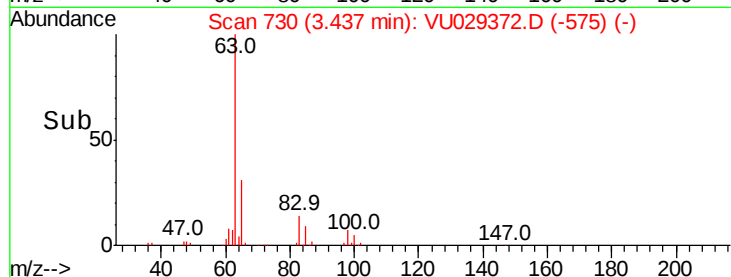
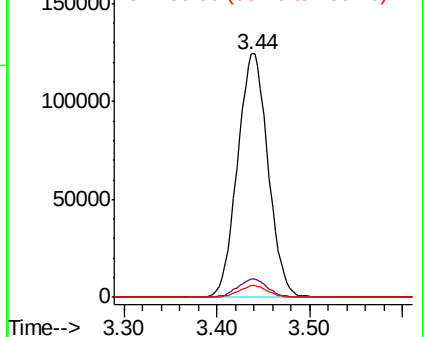
63 100

98 7.5 2.9 8.8

100 4.7 1.7 5.1



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



#18

2-Butanone

Concen: 48.920 ug/l

RT: 4.27 min Scan# 990

Delta R.T. -0.00 min

Lab File: VU029372.D

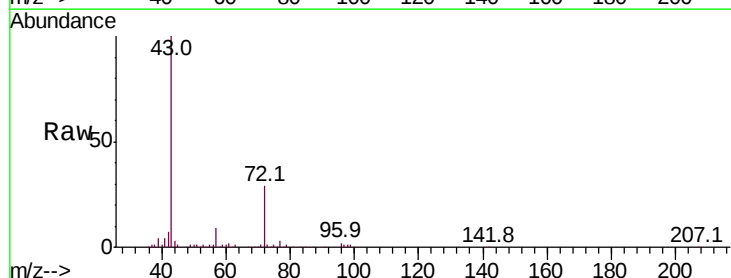
Acq: 08 Feb 2019 10:27

Tgt Ion: 43 Resp: 190185

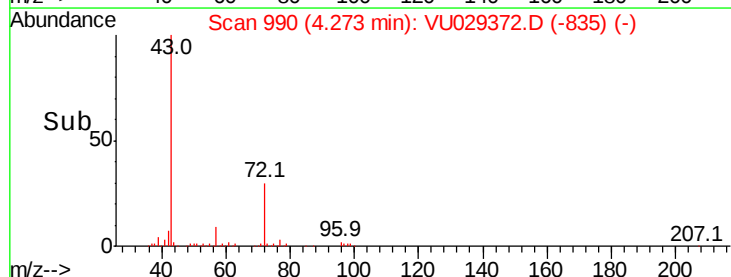
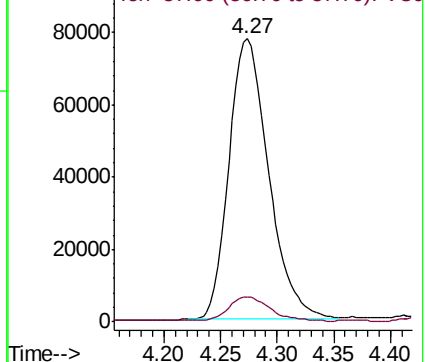
Ion Ratio Lower Upper

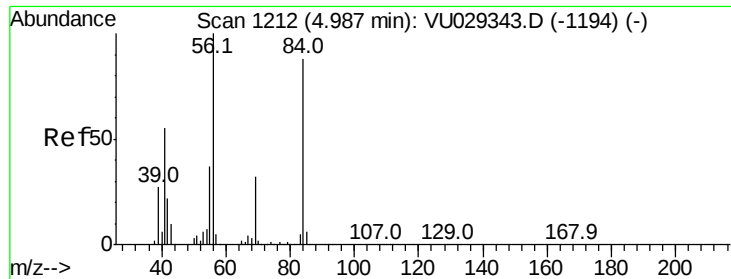
43 100

57 8.6 0.0 15.8



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

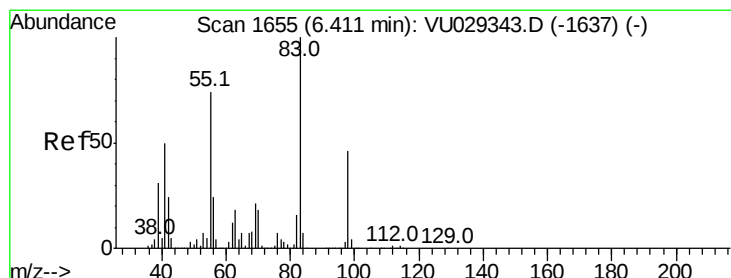
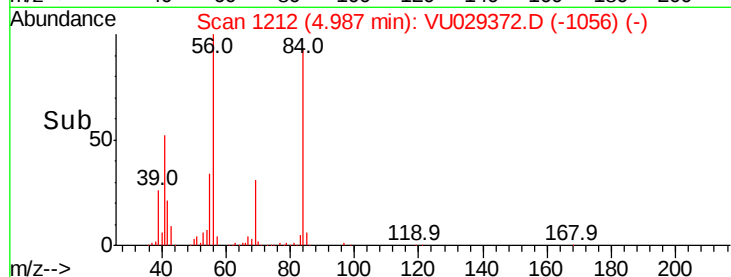
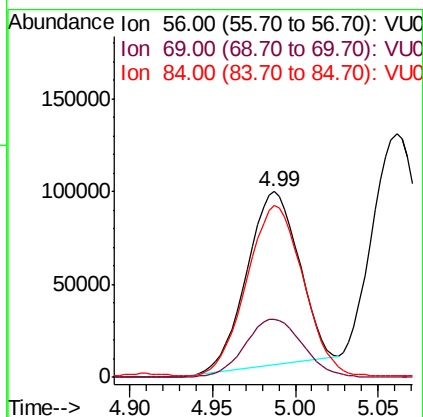
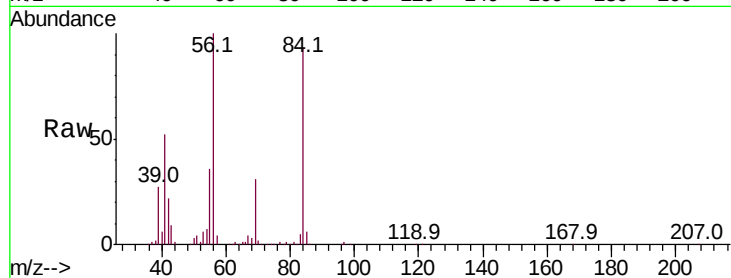




#19
Cyclohexane
Concen: 7.761 ug/l
RT: 4.99 min Scan# 1212
Delta R.T. 0.00 min
Lab File: VU029372.D
Acq: 08 Feb 2019 10:27

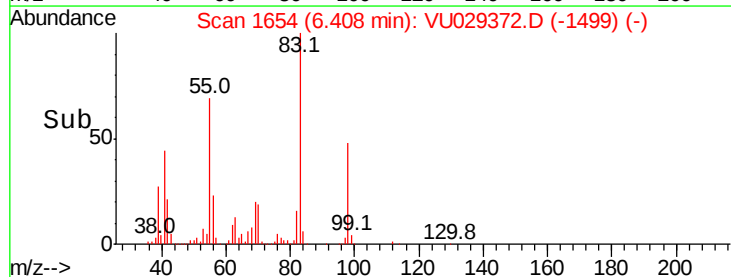
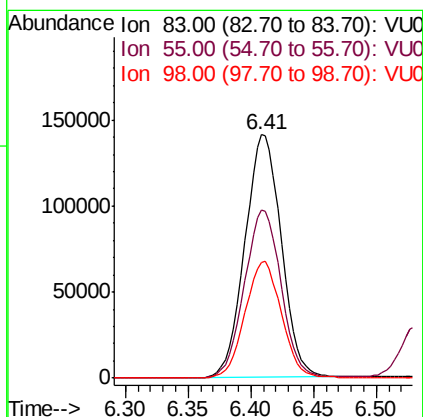
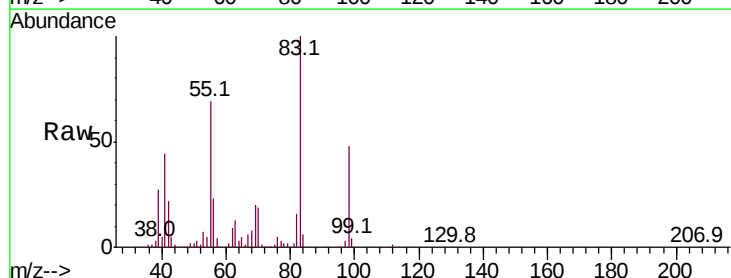
Instrument :
MSVOA_U
ClientSampleId :

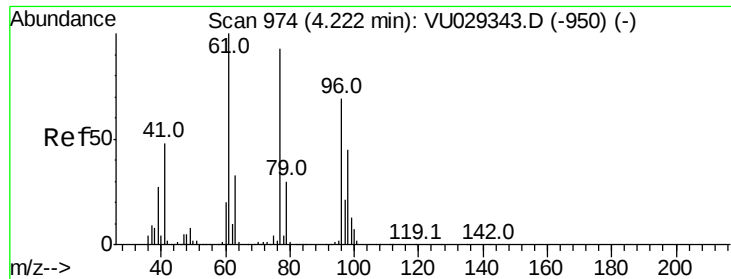
Tot Ion: 56 Resp: 205354
Ion Ratio Lower Upper
56 100
69 36.7 26.8 40.2
84 106.8 71.5 107.3



#20
Methylcyclohexane
Concen: 10.222 ug/l
RT: 6.41 min Scan# 1654
Delta R.T. -0.00 min
Lab File: VU029372.D
Acq: 08 Feb 2019 10:27

Tgt Ion: 83 Resp: 284058
Ion Ratio Lower Upper
83 100
55 68.9 72.4 108.6#
98 47.8 36.6 54.8





#21

2,2-Dichloropropane

Concen: 10.206 ug/l

RT: 4.22 min Scan# 974

Delta R.T. 0.00 min

Lab File: VU029372.D

Acq: 08 Feb 2019 10:27

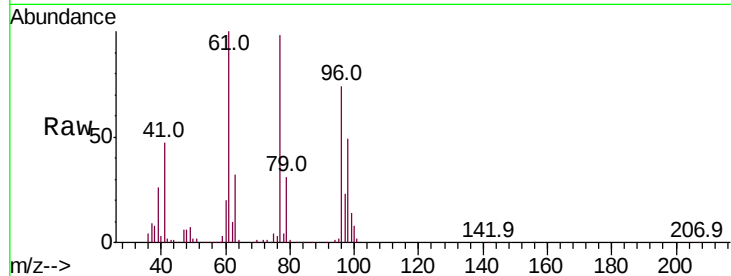
Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 77 Resp: 269581

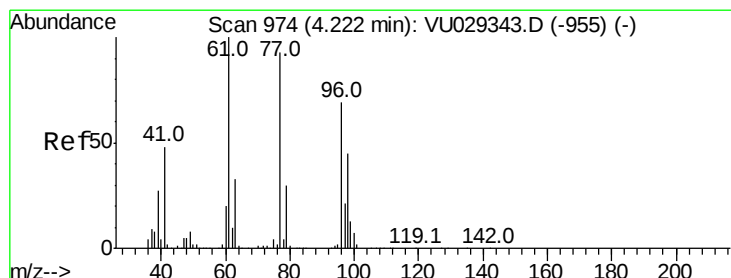
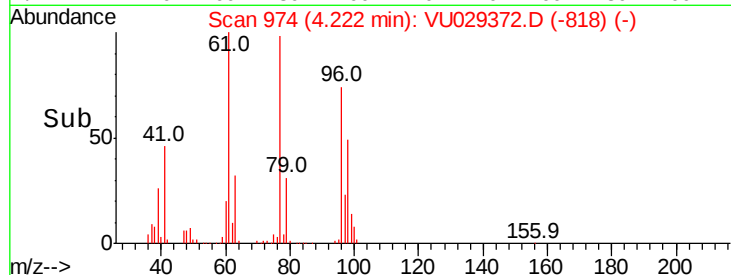
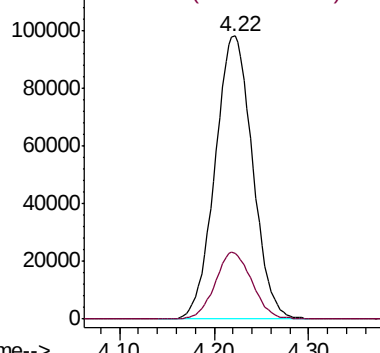
Ion Ratio Lower Upper

77 100

97 23.3 15.6 23.4



Abundance Ion 77.00 (76.70 to 77.70): VU0
Ion 97.00 (96.70 to 97.70): VU0



#22

cis-1,2-Dichloroethene

Concen: 10.624 ug/l

RT: 4.22 min Scan# 974

Delta R.T. 0.00 min

Lab File: VU029372.D

Acq: 08 Feb 2019 10:27

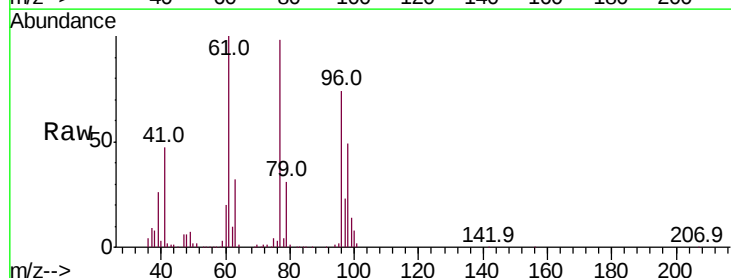
Tgt Ion: 96 Resp: 180228

Ion Ratio Lower Upper

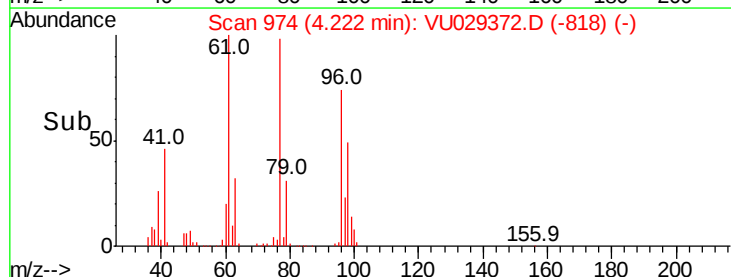
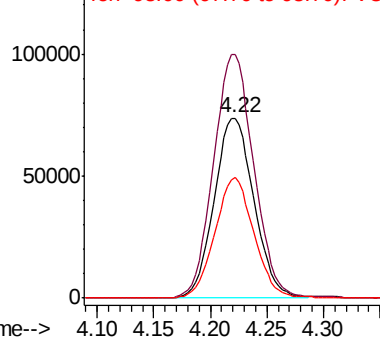
96 100

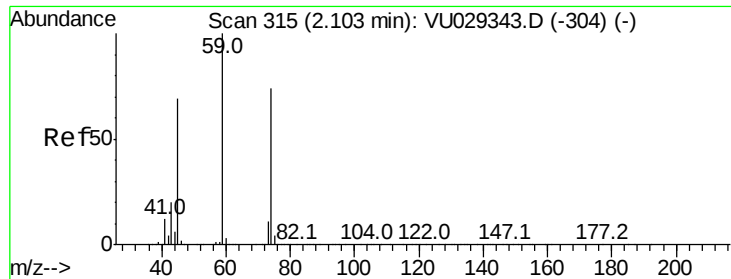
61 137.6 0.0 460.0

98 65.1 32.6 97.7



Abundance Ion 96.00 (95.70 to 96.70): VU0
Ion 61.00 (60.70 to 61.70): VU0
Ion 98.00 (97.70 to 98.70): VU0

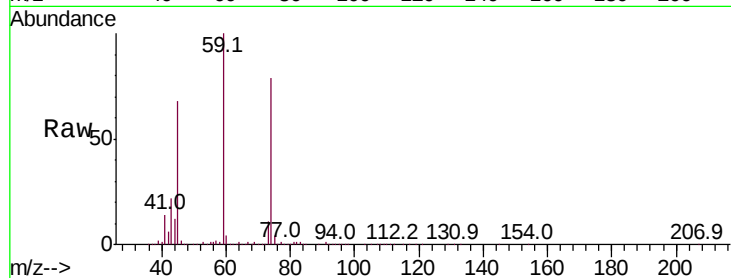




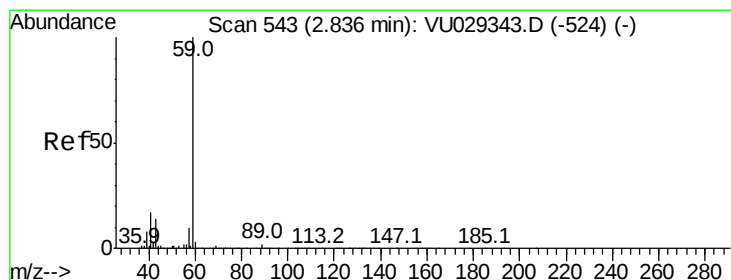
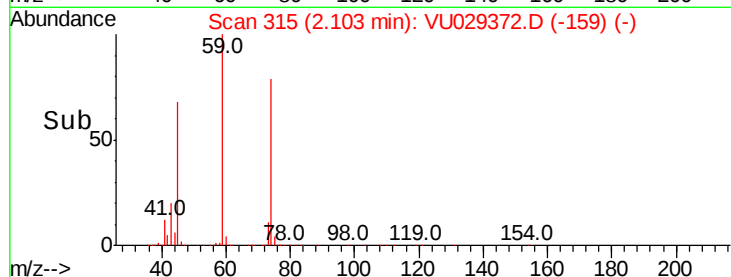
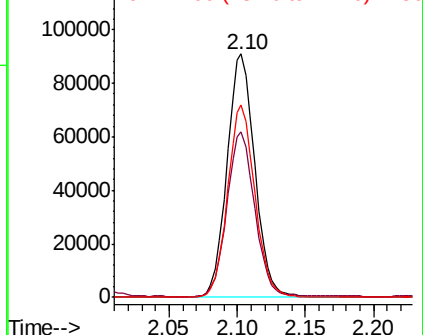
#23
Diethyl Ether
Concen: 9.968 ug/l
RT: 2.10 min Scan# 315
Delta R.T. 0.00 min
Lab File: VU029372.D
Acq: 08 Feb 2019 10:27

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 59 Resp: 128894
Ion Ratio Lower Upper
59 100
45 67.7 64.2 96.4
74 77.0 55.3 82.9

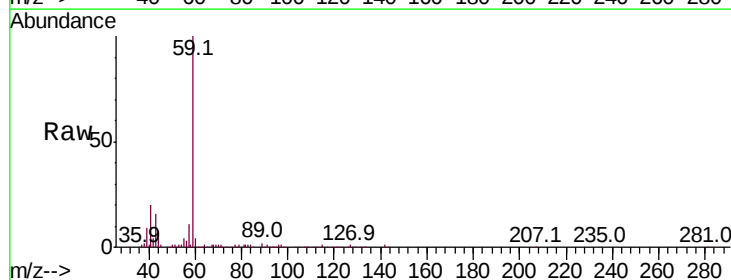


Abundance Ion 59.00 (58.70 to 59.70): VU0
Ion 45.00 (44.70 to 45.70): VU0
Ion 74.00 (73.70 to 74.70): VU0

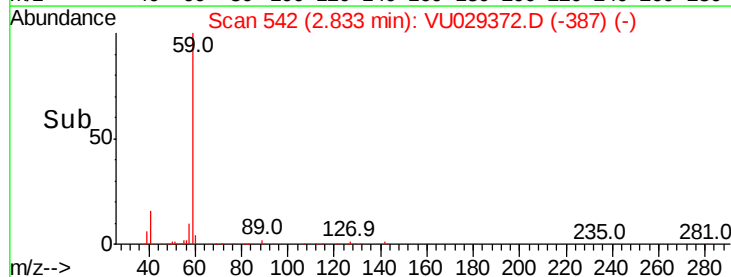
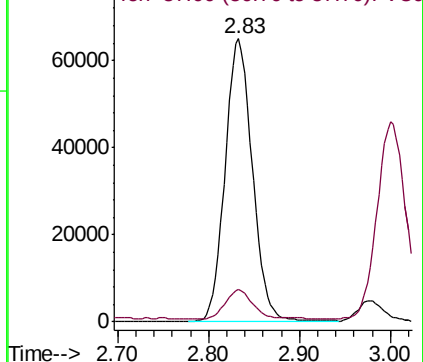


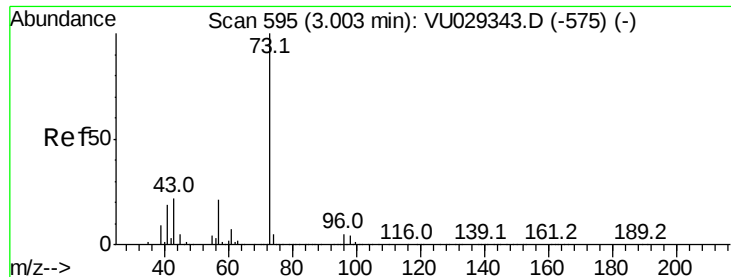
#24
tert-Butyl Alcohol
Concen: 101.389 ug/l
RT: 2.83 min Scan# 542
Delta R.T. -0.00 min
Lab File: VU029372.D
Acq: 08 Feb 2019 10:27

Tgt Ion: 59 Resp: 136250
Ion Ratio Lower Upper
59 100
57 10.5 8.8 13.2



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



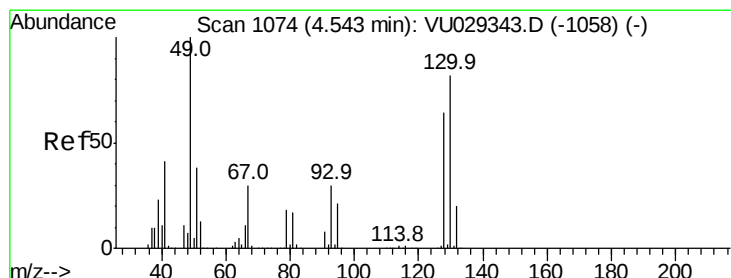
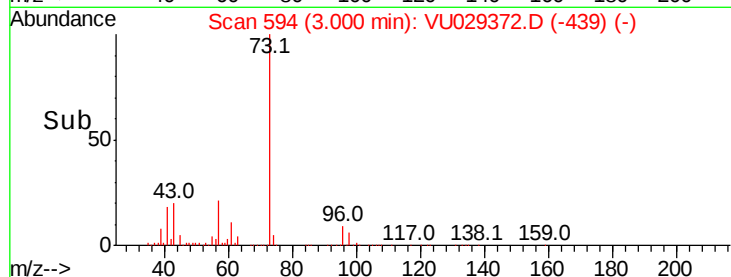
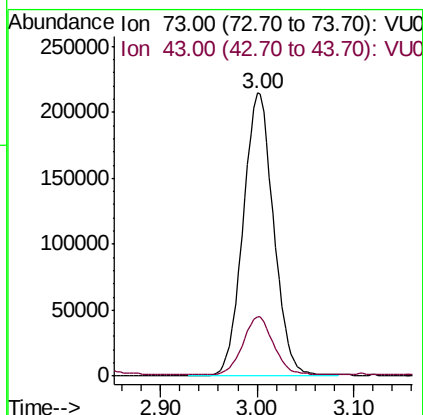
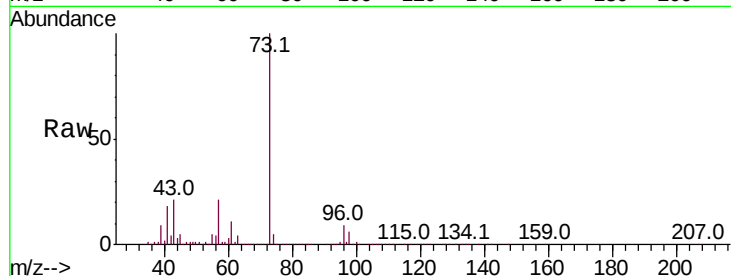


#25

Methyl tert-Butyl Ether
 Concen: 10.349 ug/l
 RT: 3.00 min Scan# 594
 Delta R.T. -0.00 min
 Lab File: VU029372.D
 Acq: 08 Feb 2019 10:27

Instrument :
 MSVOA_U
 ClientSampleId :

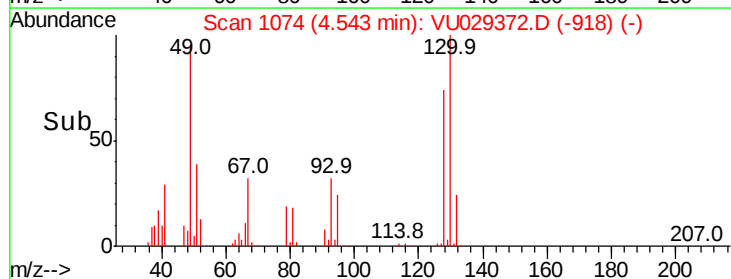
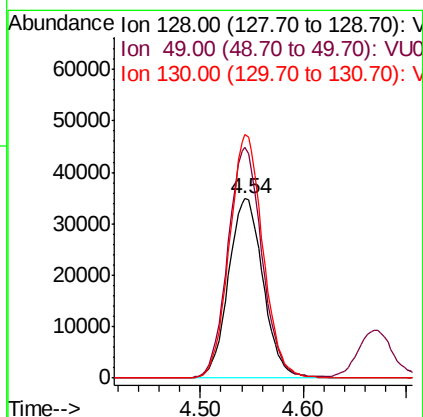
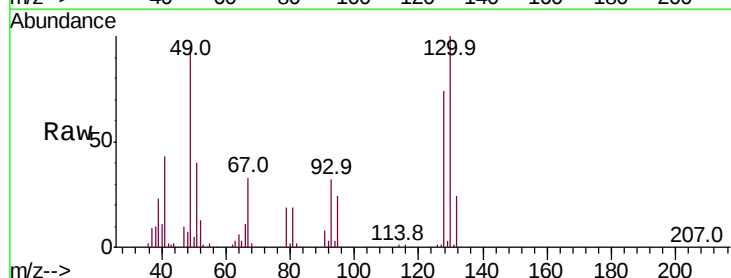
Tot Ion: 73 Resp: 469259
 Ion Ratio Lower Upper
 73 100
 43 20.3 22.1 33.1#

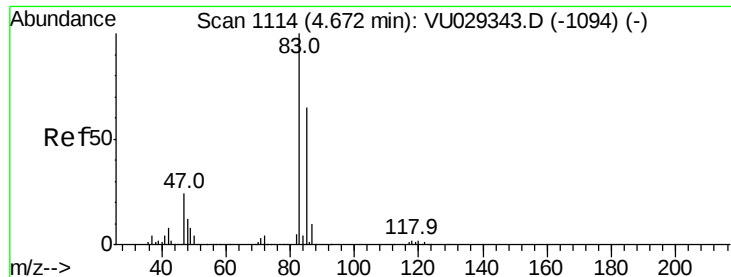


#26

Bromochloromethane
 Concen: 10.883 ug/l
 RT: 4.54 min Scan# 1074
 Delta R.T. 0.00 min
 Lab File: VU029372.D
 Acq: 08 Feb 2019 10:27

Tgt Ion: 128 Resp: 81551
 Ion Ratio Lower Upper
 128 100
 49 126.9 0.0 401.6
 130 131.2 108.0 162.0





#27

Chloroform

Concen: 10.415 ug/l

RT: 4.67 min Scan# 1113

Delta R.T. -0.00 min

Lab File: VU029372.D

Acq: 08 Feb 2019 10:27

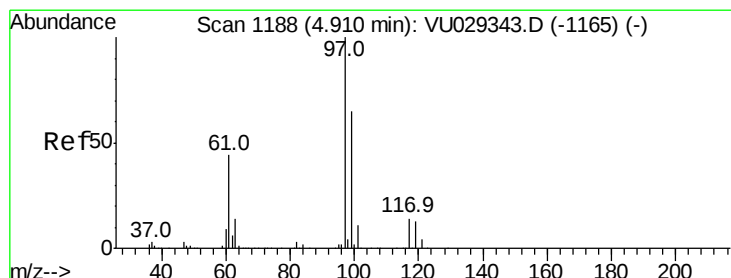
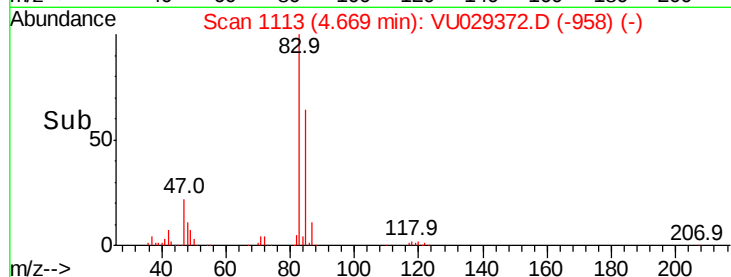
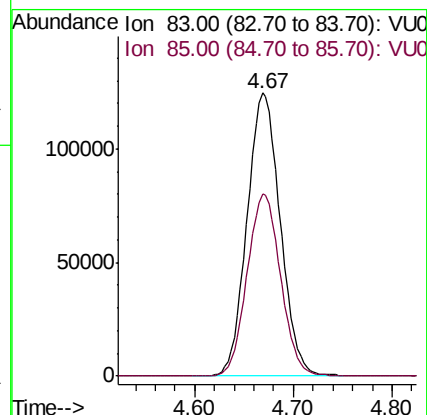
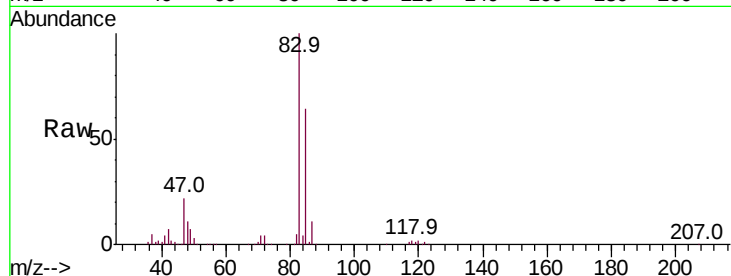
Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 83 Resp: 289040

Ion Ratio Lower Upper

83 100

85 64.2 0.0 126.6



#28

1,1,1-Trichloroethane

Concen: 10.388 ug/l

RT: 4.91 min Scan# 1188

Delta R.T. 0.00 min

Lab File: VU029372.D

Acq: 08 Feb 2019 10:27

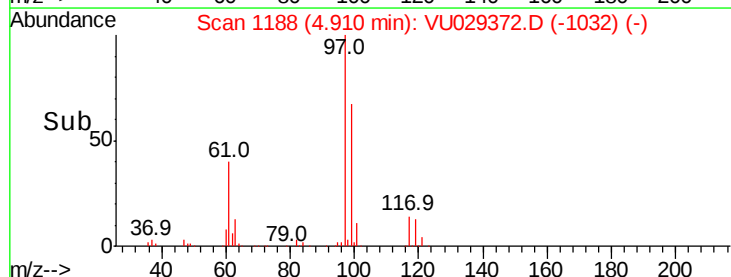
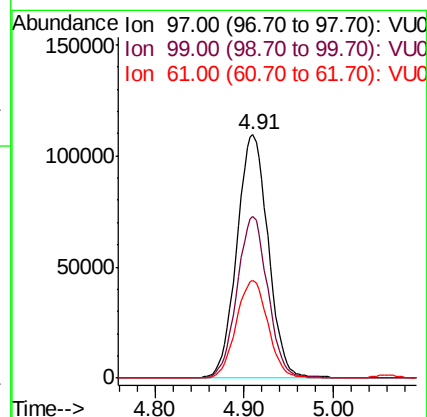
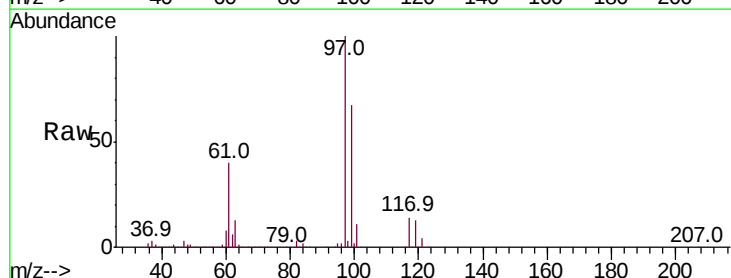
Tgt Ion: 97 Resp: 267187

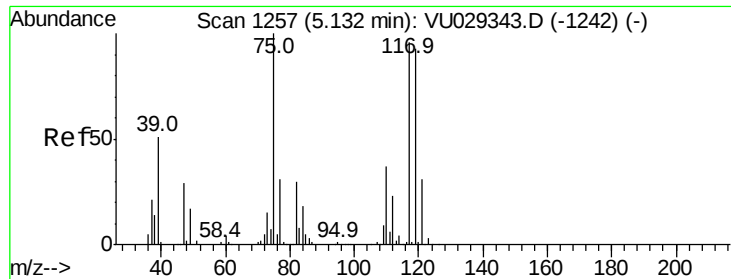
Ion Ratio Lower Upper

97 100

99 65.2 32.4 97.2

61 40.5 24.4 73.2





#29

1,1-Dichloropropene

Concen: 9.922 ug/l

RT: 5.13 min Scan# 1257

Delta R.T. 0.00 min

Lab File: VU029372.D

Acq: 08 Feb 2019 10:27

Instrument :
MSVOA_U
ClientSampled :

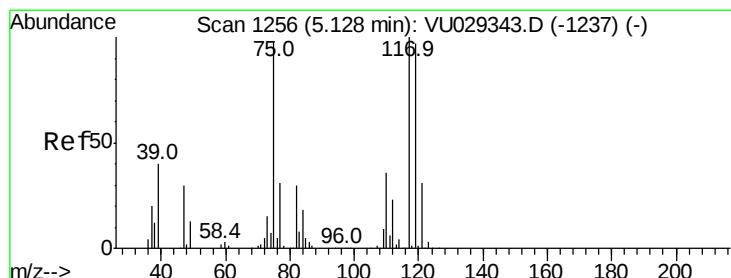
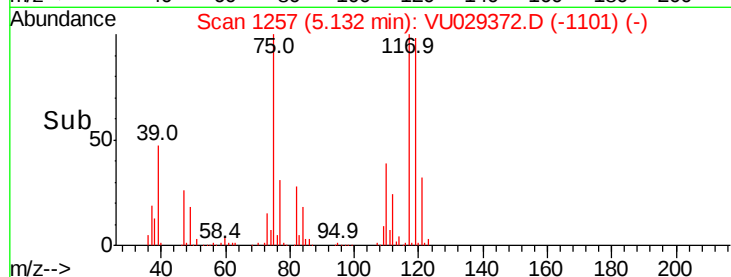
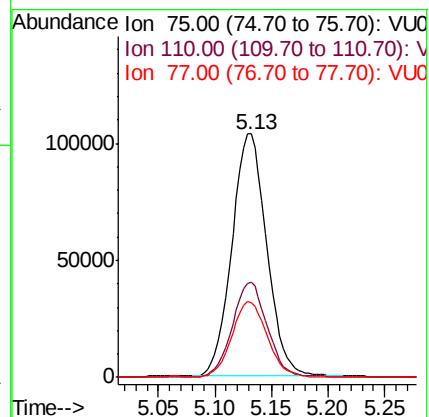
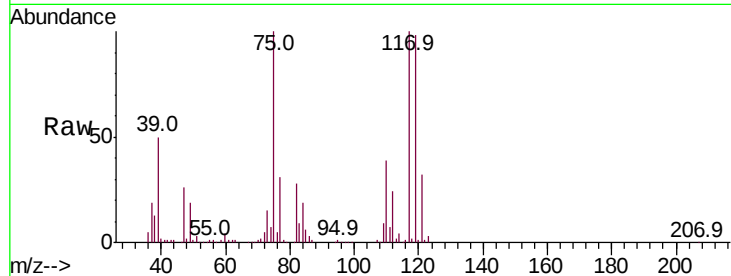
Tot Ion: 75 Resp: 221560

Ion Ratio Lower Upper

75 100

110 39.6 15.4 46.2

77 31.2 24.1 36.1



#30

Carbon Tetrachloride

Concen: 10.813 ug/l

RT: 5.13 min Scan# 1256

Delta R.T. 0.00 min

Lab File: VU029372.D

Acq: 08 Feb 2019 10:27

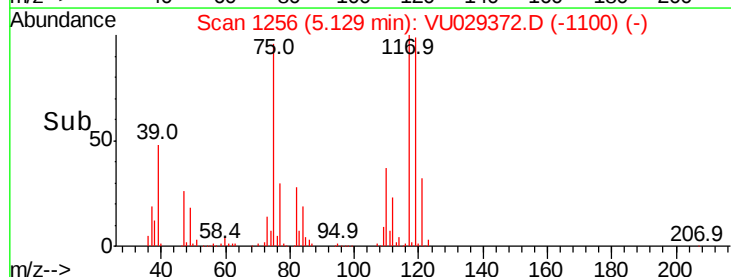
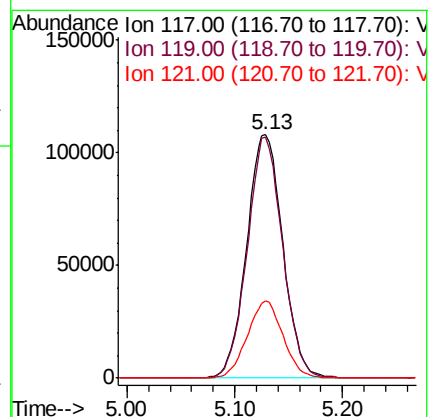
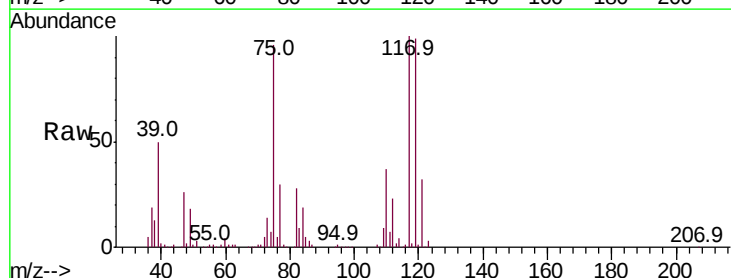
Tgt Ion: 117 Resp: 251797

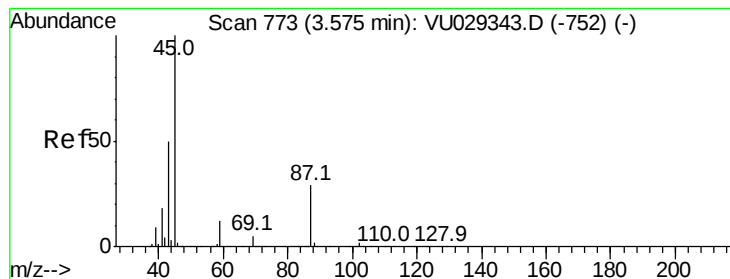
Ion Ratio Lower Upper

117 100

119 98.7 76.8 115.2

121 31.8 24.4 36.6





#31

Isopropyl Ether

Concen: 9.310 ug/l

RT: 3.58 min Scan# 773

Delta R.T. 0.00 min

Lab File: VU029372.D

Acq: 08 Feb 2019 10:27

Instrument :

MSVOA_U

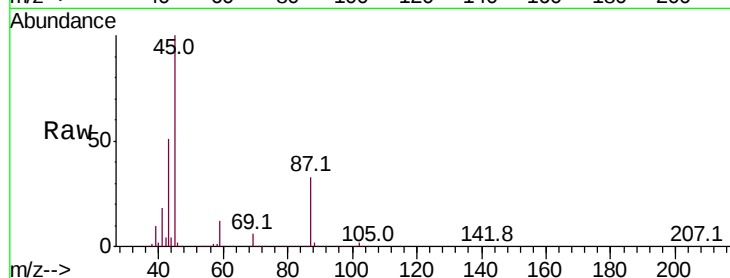
ClientSampled :

Tot Ion: 45 Resp: 400868

Ion Ratio Lower Upper

45 100

43 49.9 28.4 85.3



Abundance Ion 45.00 (44.70 to 45.70): VU0

Ion 43.00 (42.70 to 43.70): VU0

3.58

150000

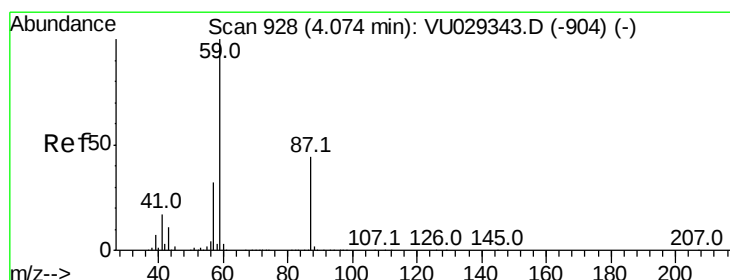
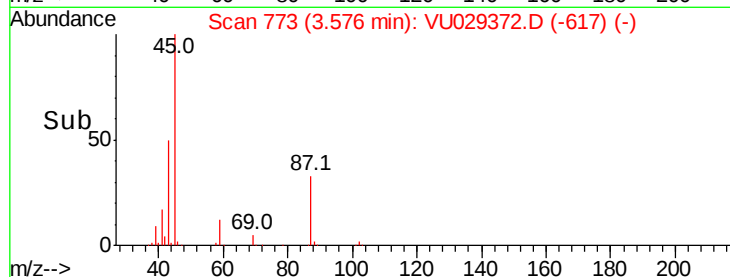
100000

50000

0

Time-->

3.50 3.60 3.70



#32

Ethyl-t-butyl ether

Concen: 9.609 ug/l

RT: 4.07 min Scan# 927

Delta R.T. -0.00 min

Lab File: VU029372.D

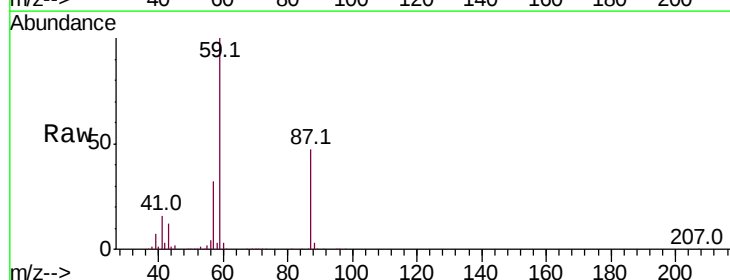
Acq: 08 Feb 2019 10:27

Tgt Ion: 59 Resp: 414628

Ion Ratio Lower Upper

59 100

87 46.5 31.1 46.7



Abundance Ion 59.00 (58.70 to 59.70): VU0

Ion 87.00 (86.70 to 87.70): VU0

4.07

150000

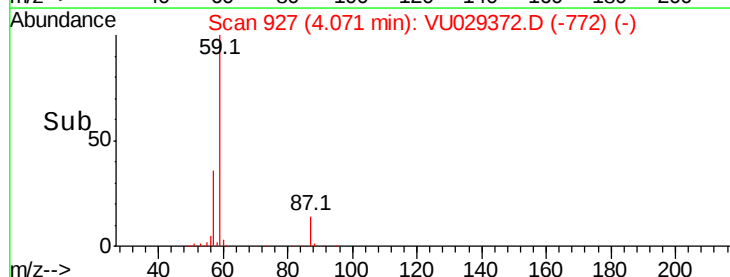
100000

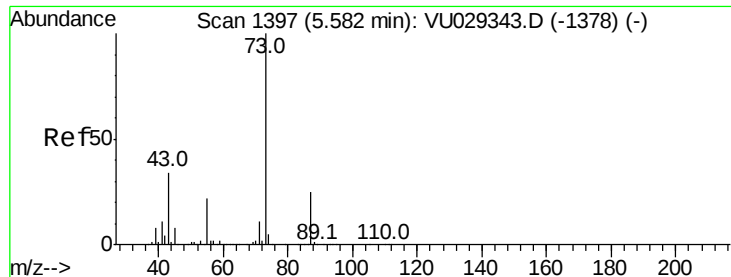
50000

0

Time-->

4.00 4.10 4.20



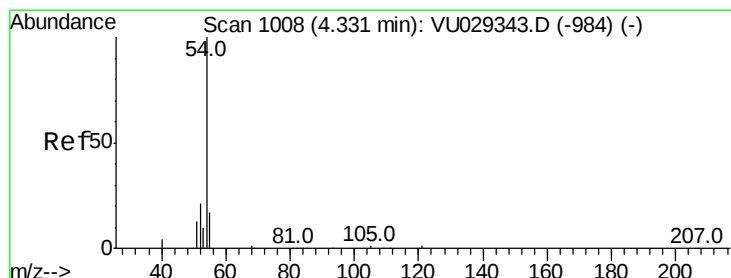
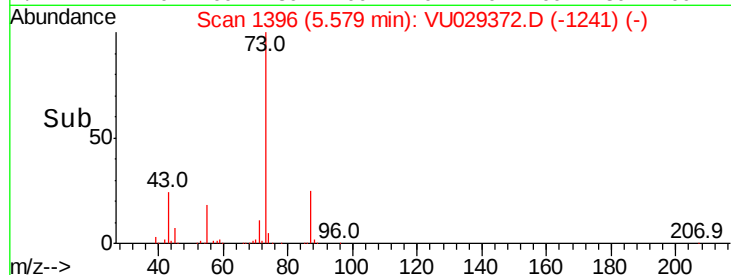
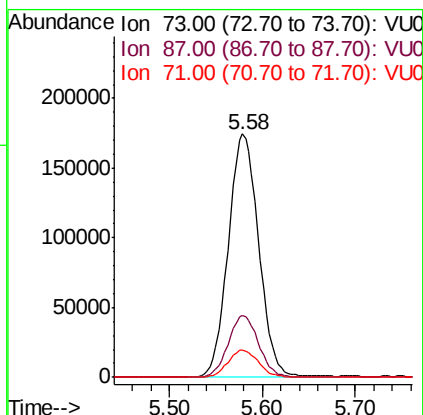
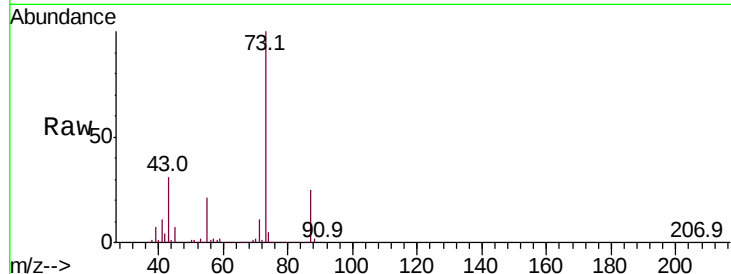


#33

Tert-Butyl methyl ether
 Concen: 10.118 ug/l
 RT: 5.58 min Scan# 1396
 Delta R.T. -0.00 min
 Lab File: VU029372.D
 Acq: 08 Feb 2019 10:27

Instrument :
 MSVOA_U
 ClientSampleId :

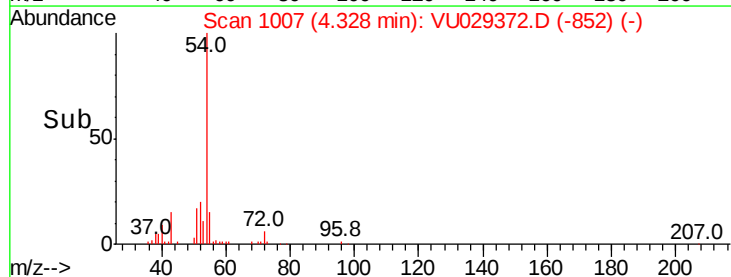
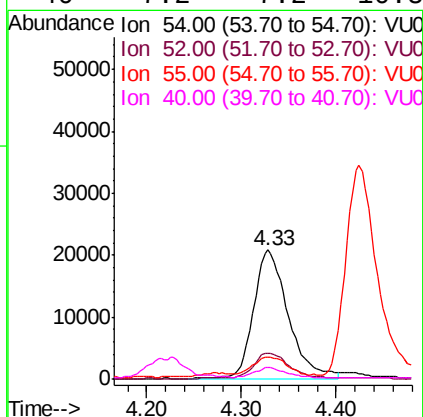
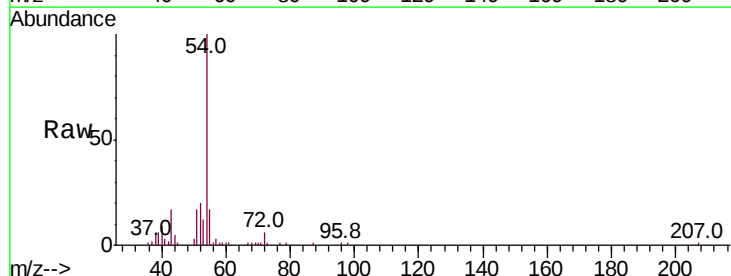
Tot Ion: 73 Resp: 394786
 Ion Ratio Lower Upper
 73 100
 87 25.3 19.4 29.0
 71 11.2 9.0 13.4

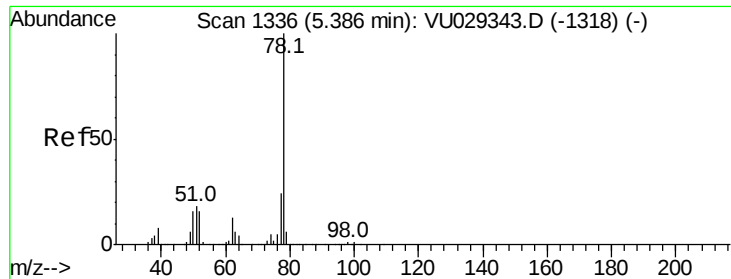


#34

Propionitrile
 Concen: 52.230 ug/l
 RT: 4.33 min Scan# 1007
 Delta R.T. -0.00 min
 Lab File: VU029372.D
 Acq: 08 Feb 2019 10:27

Tgt Ion: 54 Resp: 53373
 Ion Ratio Lower Upper
 54 100
 52 19.3 18.9 28.3
 55 13.4 15.1 22.7#
 40 7.2 7.2 10.8#





#35

Benzene

Concen: 10.117 ug/l

RT: 5.38 min Scan# 1335

Delta R.T. -0.00 min

Lab File: VU029372.D

Acq: 08 Feb 2019 10:27

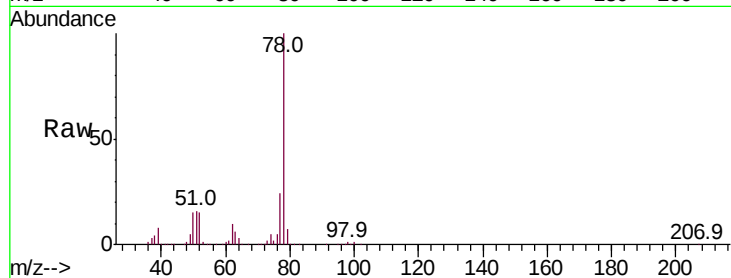
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 78 Resp: 624742

Ion Ratio Lower Upper

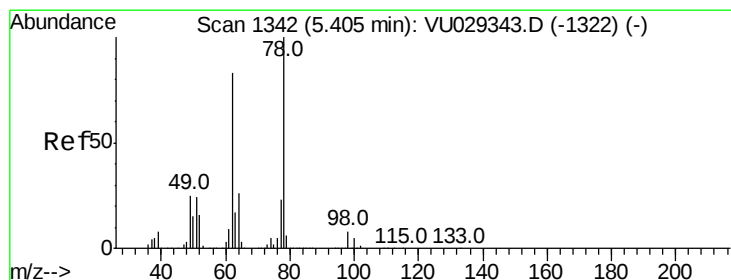
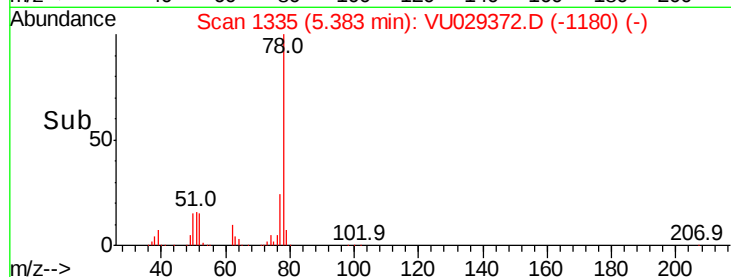
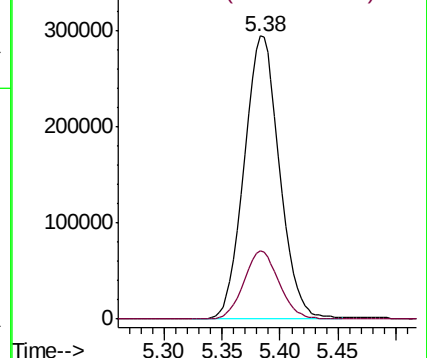
78 100

77 24.2 19.8 29.8



Abundance Ion 78.10 (77.80 to 78.80): VU0

Ion 77.00 (76.70 to 77.70): VU0



#36

1,2-Dichloroethane

Concen: 9.808 ug/l

RT: 5.40 min Scan# 1341

Delta R.T. -0.00 min

Lab File: VU029372.D

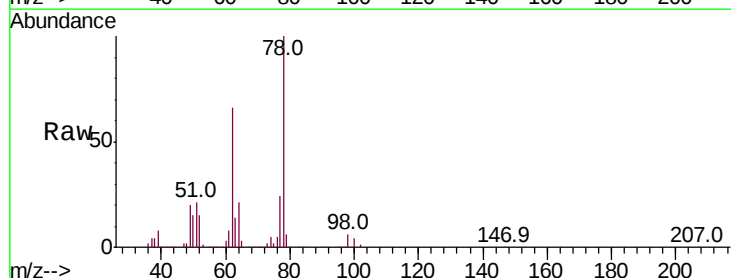
Acq: 08 Feb 2019 10:27

Tgt Ion: 62 Resp: 183180

Ion Ratio Lower Upper

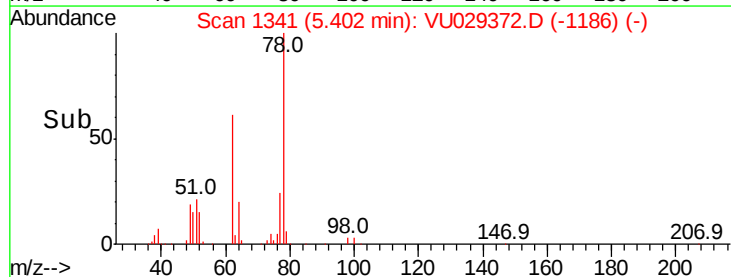
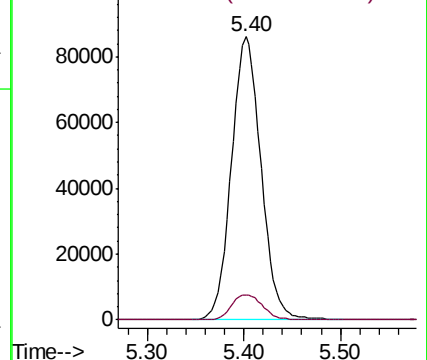
62 100

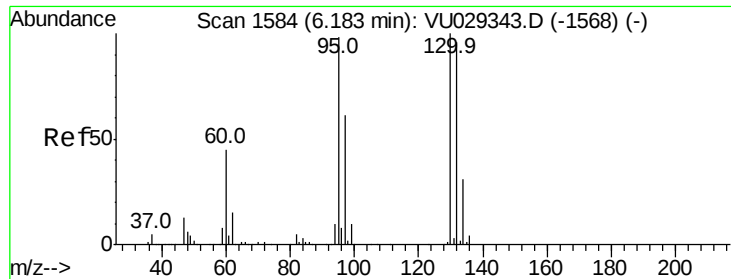
98 9.4 4.9 7.3#



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 98.00 (97.70 to 98.70): VU0





#37

Trichloroethene

Concen: 11.131 ug/l

RT: 6.18 min Scan# 1583

Delta R.T. -0.00 min

Lab File: VU029372.D

Acq: 08 Feb 2019 10:27

Instrument :

MSVOA_U

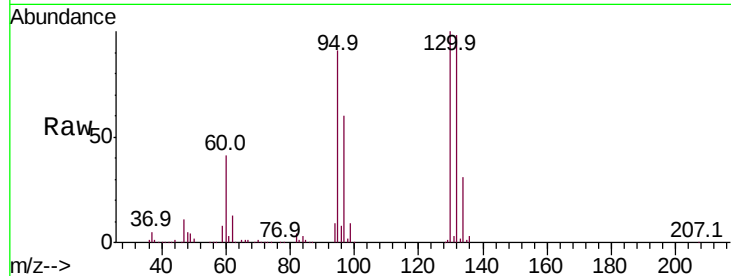
ClientSampleId :

Tot Ion:130 Resp: 197232

Ion Ratio Lower Upper

130 100

95 91.1 85.4 128.0



Abundance Ion 129.90 (129.60 to 130.60): VU029343.D (-1568) (-)

Ion 94.90 (94.60 to 95.60): VU029343.D (-1568) (-)

6.18

100000

80000

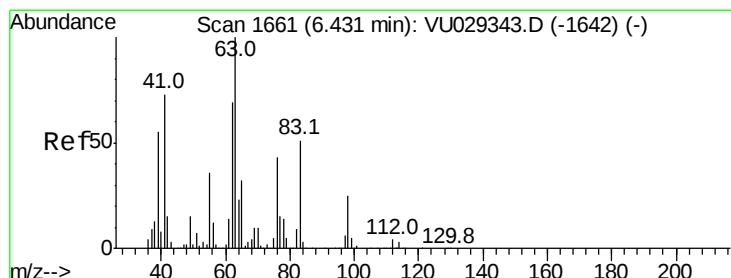
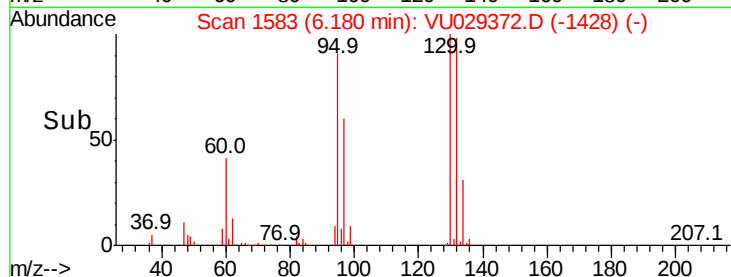
60000

40000

20000

0

Time-->



#38

1,2-Dichloropropane

Concen: 9.759 ug/l

RT: 6.43 min Scan# 1661

Delta R.T. 0.00 min

Lab File: VU029372.D

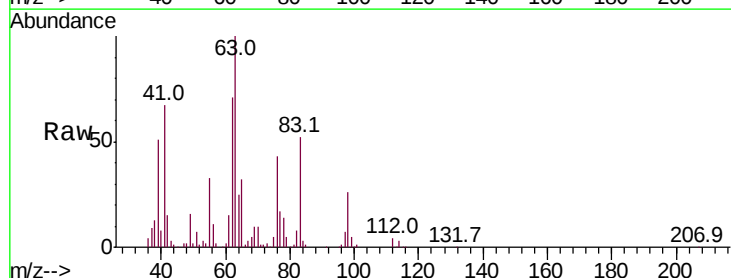
Acq: 08 Feb 2019 10:27

Tgt Ion: 63 Resp: 156763

Ion Ratio Lower Upper

63 100

65 32.3 25.5 38.3



Abundance Ion 63.00 (62.70 to 63.70): VU029343.D (-1642) (-)

Ion 65.00 (64.70 to 65.70): VU029343.D (-1642) (-)

6.43

80000

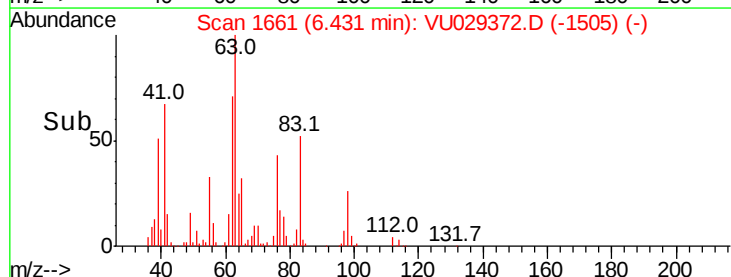
60000

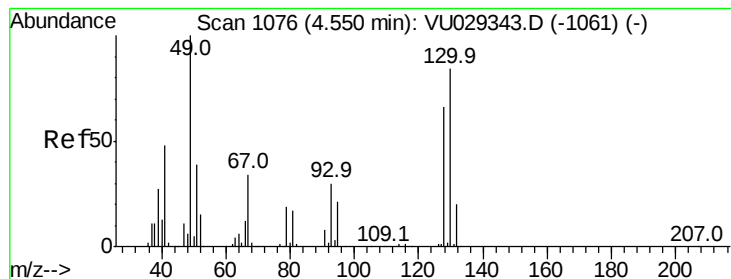
40000

20000

0

Time-->





#39

Methacrylonitrile

Concen: 9.264 ug/l

RT: 4.54 min Scan# 1074

Delta R.T. -0.01 min

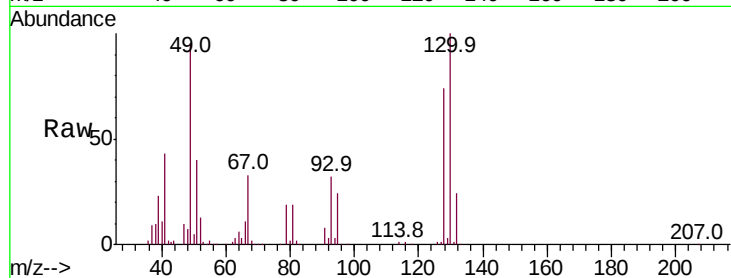
Lab File: VU029372.D

Acq: 08 Feb 2019 10:27

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 41 Resp: 48480

Ion	Ratio	Lower	Upper
41	100		
67	79.7	50.1	75.1#
39	54.7	47.9	71.9
52	30.1	24.8	37.2



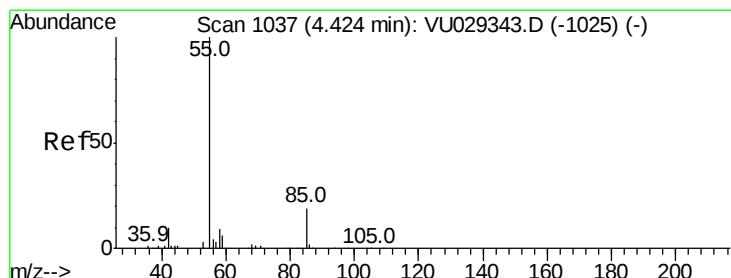
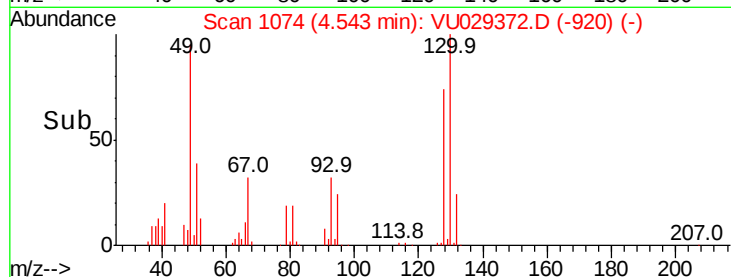
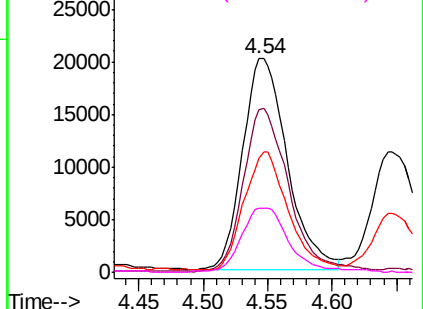
Abundance

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: 9.903 ug/l

RT: 4.42 min Scan# 1037

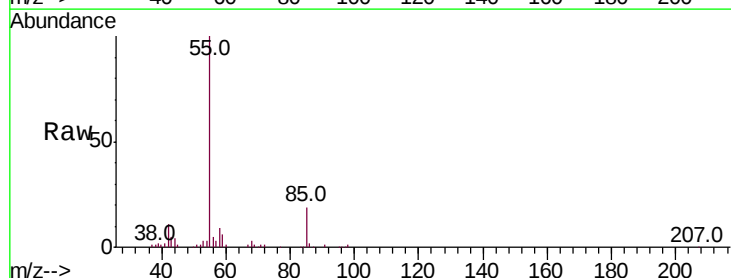
Delta R.T. 0.00 min

Lab File: VU029372.D

Acq: 08 Feb 2019 10:27

Tgt Ion: 55 Resp: 78232

Ion	Ratio	Lower	Upper
55	100		
85	19.9	11.3	16.9#
58	9.0	6.2	9.4
42	9.1	10.1	15.1#



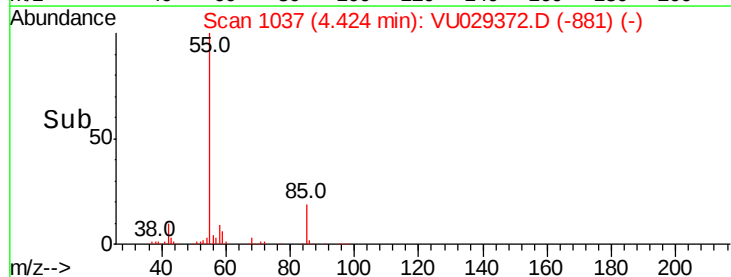
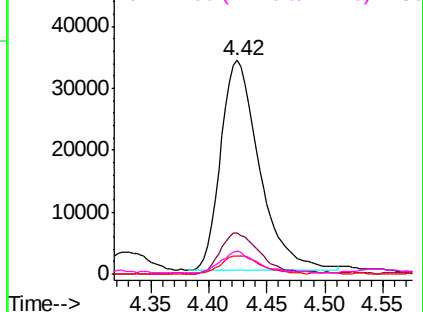
Abundance

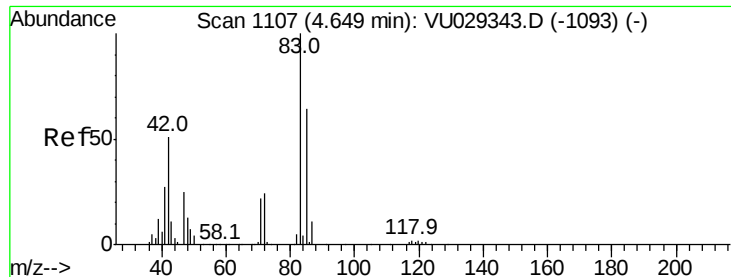
Ion 55.00 (54.70 to 55.70): VU0

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

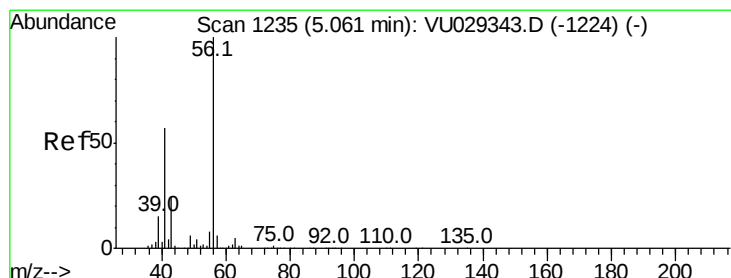
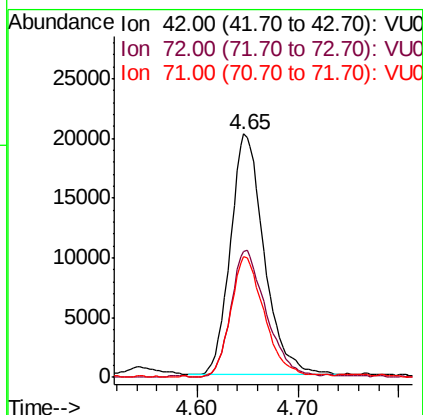
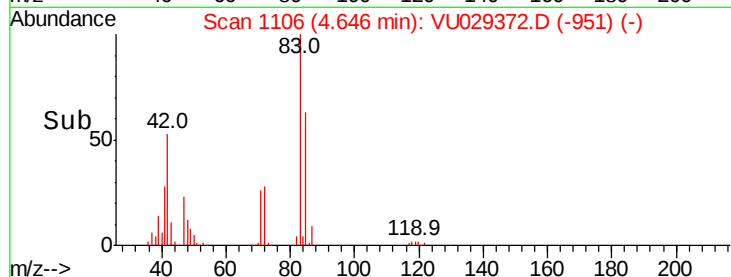
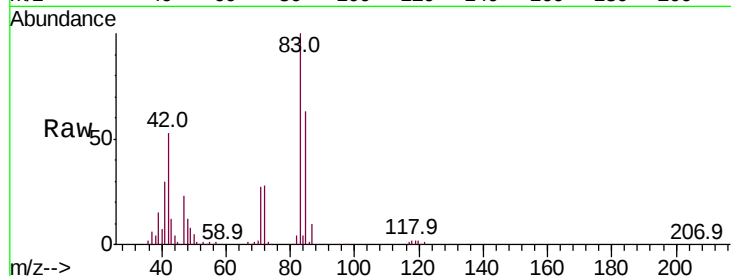




#41
Tetrahydrofuran
Concen: 17.808 ug/l
RT: 4.65 min Scan# 1106
Delta R.T. -0.00 min
Lab File: VU029372.D
Acq: 08 Feb 2019 10:27

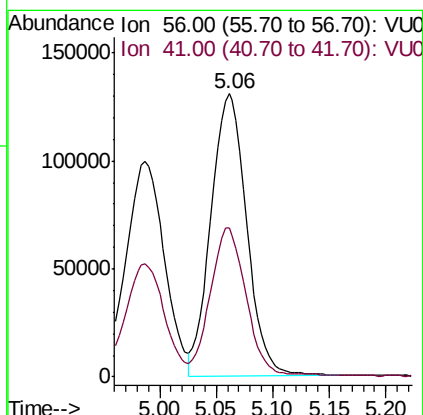
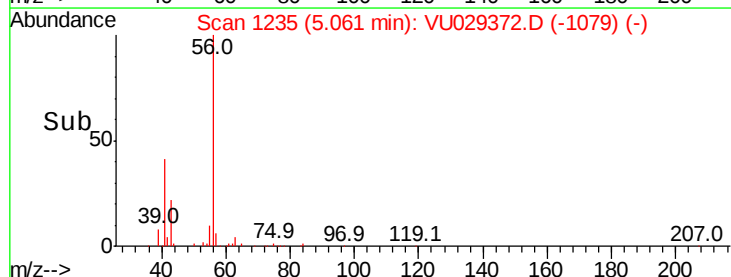
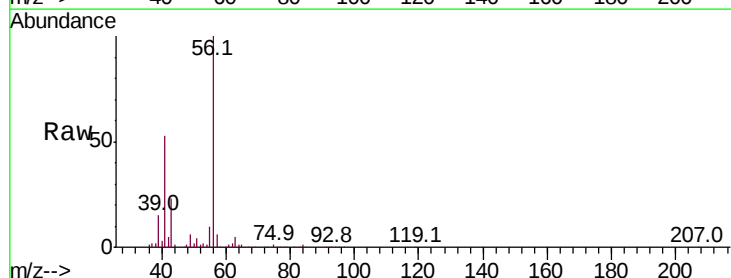
Instrument :
MSVOA_U
ClientSampled :

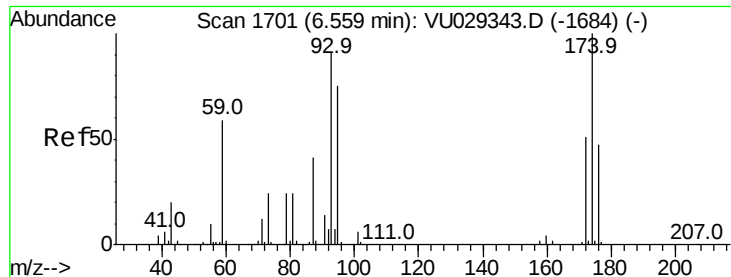
Tot Ion: 42 Resp: 46944
Ion Ratio Lower Upper
42 100
72 55.4 33.1 49.7#
71 50.5 30.2 45.2#



#42
1-Chlorobutane
Concen: 9.531 ug/l
RT: 5.06 min Scan# 1235
Delta R.T. 0.00 min
Lab File: VU029372.D
Acq: 08 Feb 2019 10:27

Tgt Ion: 56 Resp: 285144
Ion Ratio Lower Upper
56 100
41 51.4 31.3 93.8





#43

Dibromomethane

Concen: 10.261 ug/l

RT: 6.56 min Scan# 1700

Delta R.T. -0.00 min

Lab File: VU029372.D

Acq: 08 Feb 2019 10:27

Instrument :
MSVOA_U
ClientSampleId :

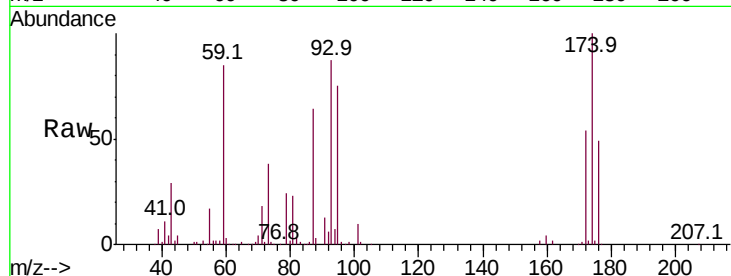
Tot Ion: 93 Resp: 87835

Ion Ratio Lower Upper

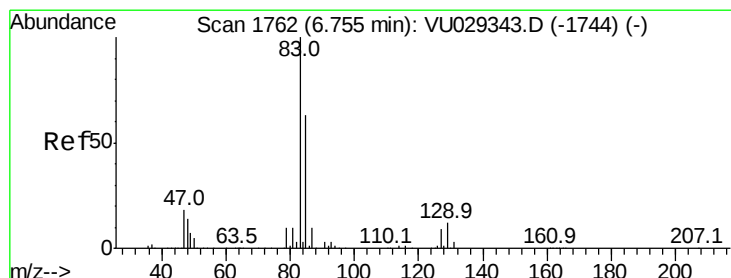
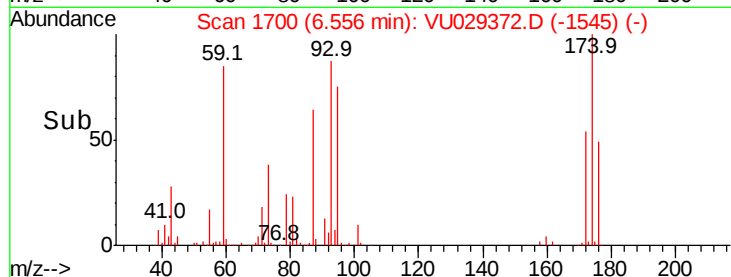
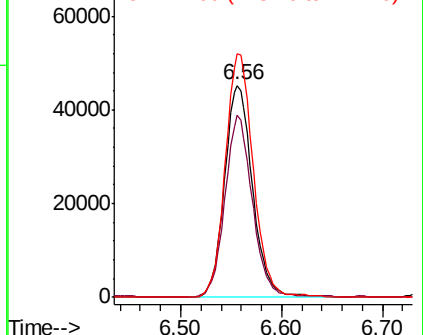
93 100

95 84.7 68.2 102.2

174 114.0 77.6 116.4



Abundance Ion 93.00 (92.70 to 93.70): VU0
Ion 95.00 (94.70 to 95.70): VU0
Ion 174.00 (173.70 to 174.70): V



#44

Bromodichloromethane

Concen: 10.175 ug/l

RT: 6.76 min Scan# 1762

Delta R.T. 0.00 min

Lab File: VU029372.D

Acq: 08 Feb 2019 10:27

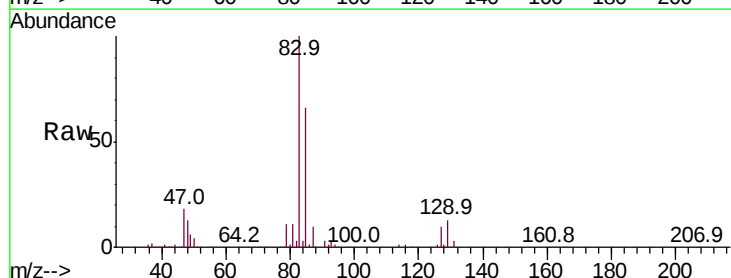
Tgt Ion: 83 Resp: 221930

Ion Ratio Lower Upper

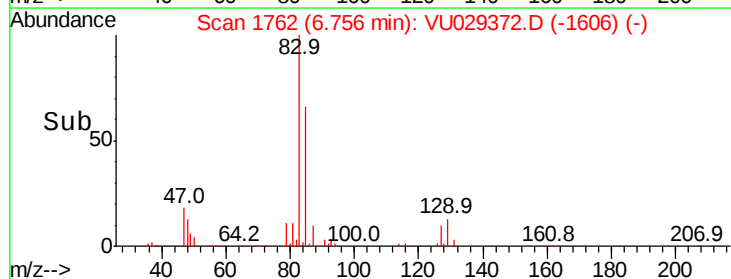
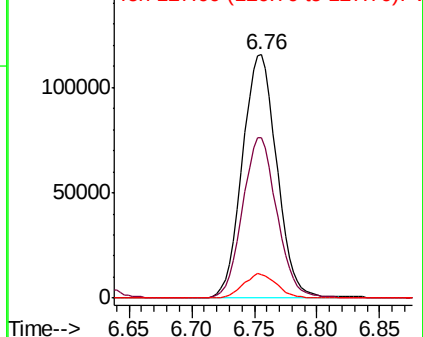
83 100

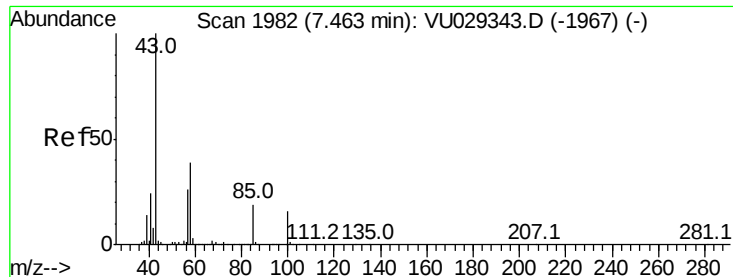
85 65.8 49.2 73.8

127 9.8 7.0 10.6



Abundance Ion 83.00 (82.70 to 83.70): VU0
Ion 85.00 (84.70 to 85.70): VU0
Ion 127.00 (126.70 to 127.70): V





#45

4-Methyl-2-Pentanone

Concen: 47.133 ug/l

RT: 7.46 min Scan# 1981

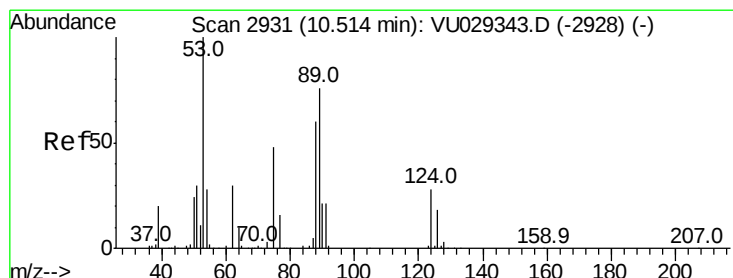
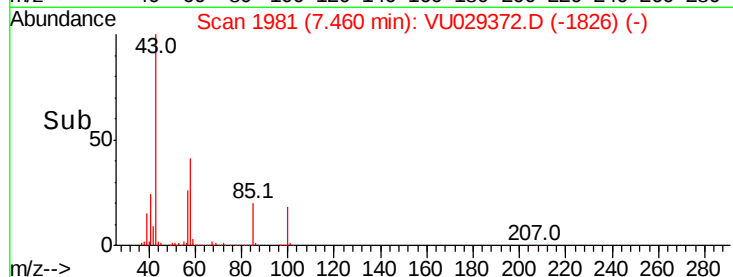
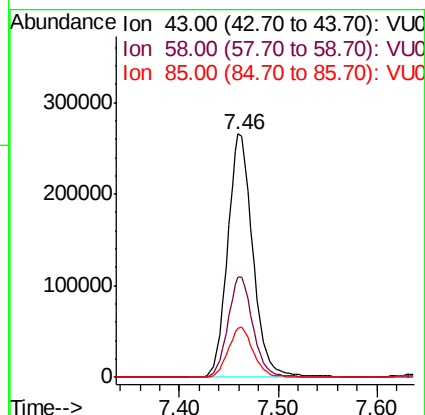
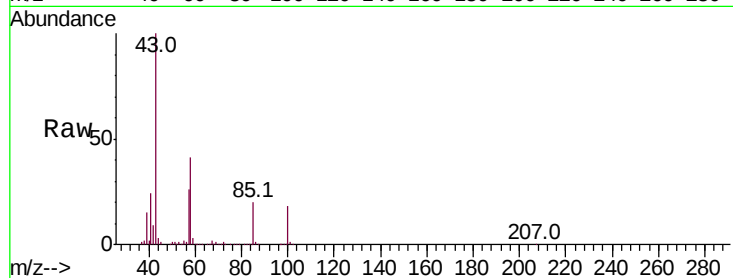
Delta R.T. -0.00 min

Lab File: VU029372.D

Acq: 08 Feb 2019 10:27

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
43	100		
58	41.3	17.6	52.8
85	20.5	12.3	18.5



#46

t-1,4-Dichloro-2-butene

Concen: 18.898 ug/l

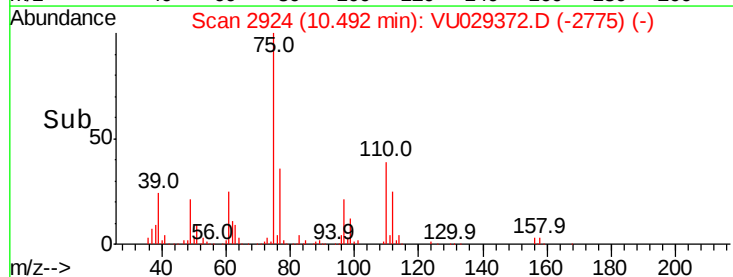
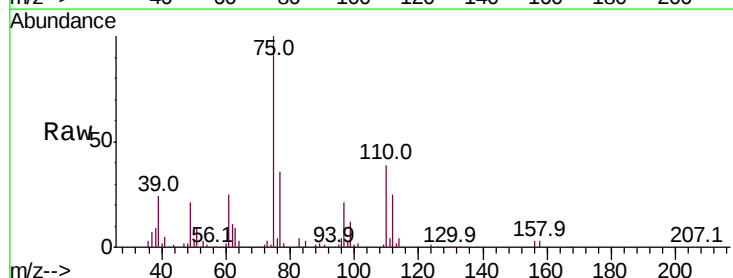
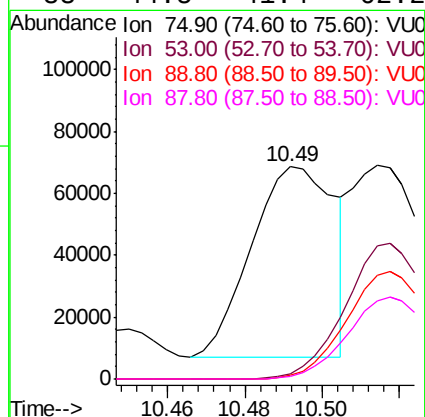
RT: 10.49 min Scan# 2924

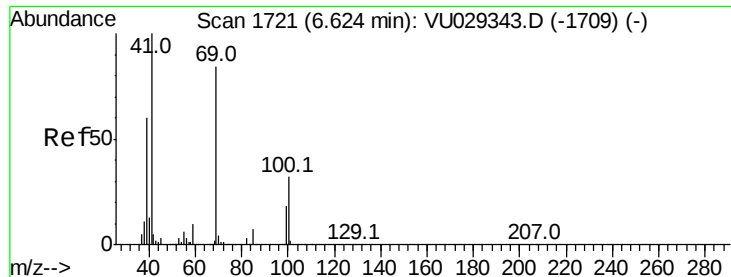
Delta R.T. -0.02 min

Lab File: VU029372.D

Acq: 08 Feb 2019 10:27

Tgt Ion	Ratio	Lower	Upper
75	100		
53	73.6	78.2	117.4
89	58.4	44.2	66.4
88	44.5	41.4	62.2

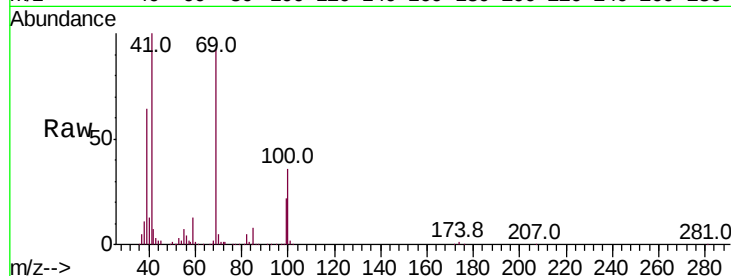




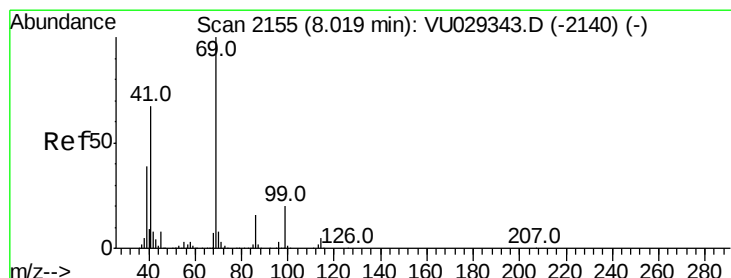
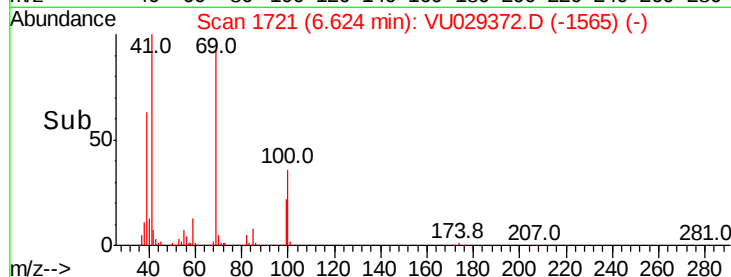
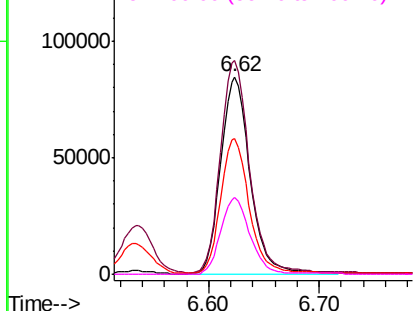
#47
Methyl methacrylate
Concen: 20.647 ug/l
RT: 6.62 min Scan# 1721
Delta R.T. 0.00 min
Lab File: VU029372.D
Acq: 08 Feb 2019 10:27

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 69 Resp: 155507
Ion Ratio Lower Upper
69 100
41 106.6 0.0 296.2
39 66.6 71.2 106.8#
100 38.8 28.6 42.8

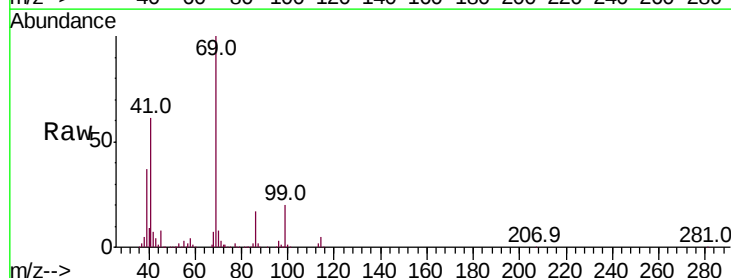


Abundance Ion 69.00 (68.70 to 69.70): VU0
Ion 41.00 (40.70 to 41.70): VU0
Ion 39.00 (38.70 to 39.70): VU0
Ion 100.00 (99.70 to 100.70): VU0

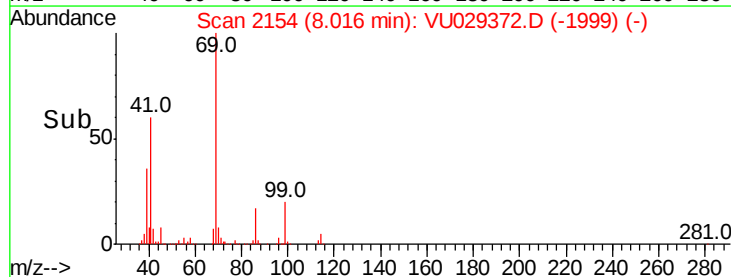
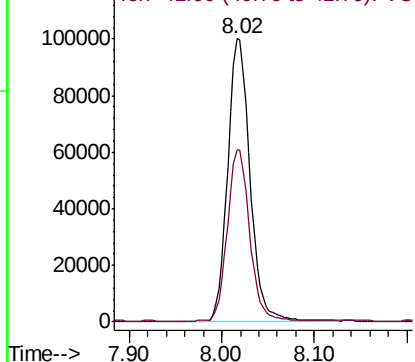


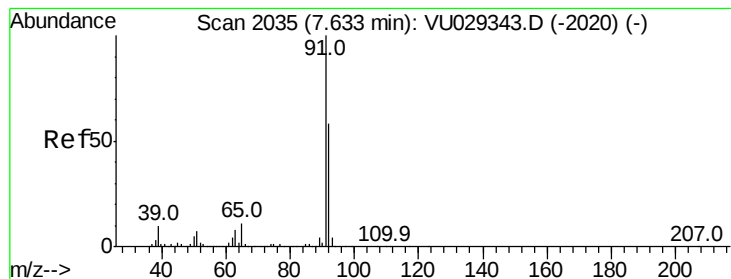
#48
Ethyl methacrylate
Concen: 10.359 ug/l
RT: 8.02 min Scan# 2154
Delta R.T. -0.00 min
Lab File: VU029372.D
Acq: 08 Feb 2019 10:27

Tgt Ion: 69 Resp: 167378
Ion Ratio Lower Upper
69 100
41 60.3 39.9 119.7



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





#49

Toluene

Concen: 10.516 ug/l

RT: 7.63 min Scan# 2035

Delta R.T. 0.00 min

Lab File: VU029372.D

Acq: 08 Feb 2019 10:27

Instrument :

MSVOA_U

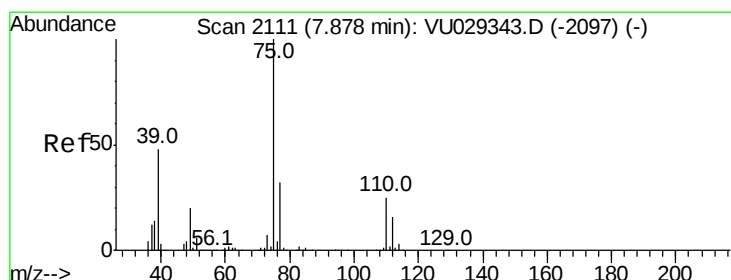
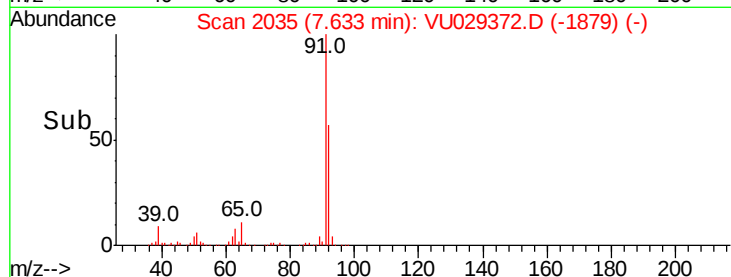
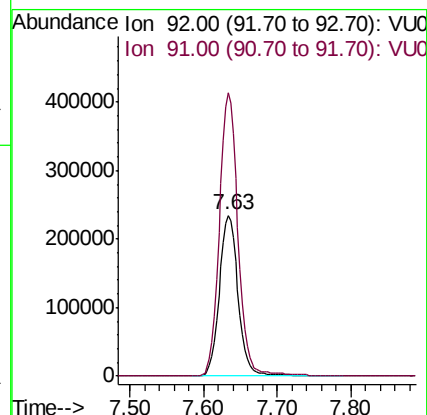
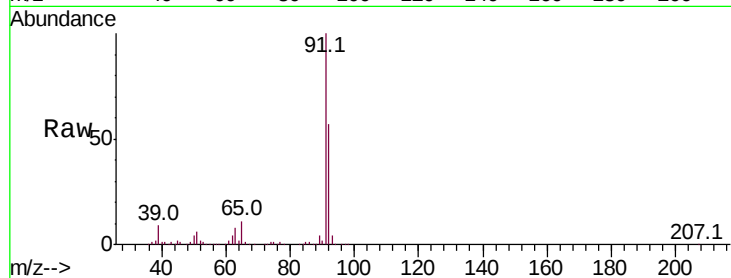
ClientSampleId :

Tot Ion: 92 Resp: 415544

Ion Ratio Lower Upper

92 100

91 173.7 140.7 211.1



#50

t-1,3-Dichloropropene

Concen: 10.149 ug/l

RT: 7.88 min Scan# 2111

Delta R.T. 0.00 min

Lab File: VU029372.D

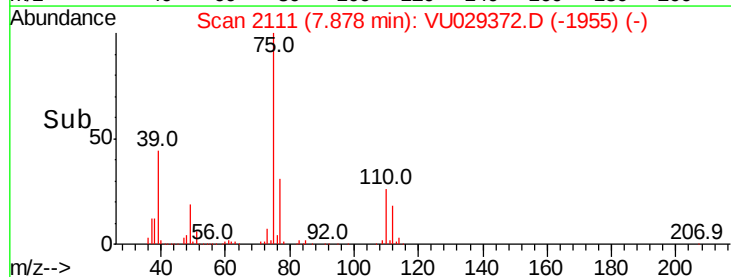
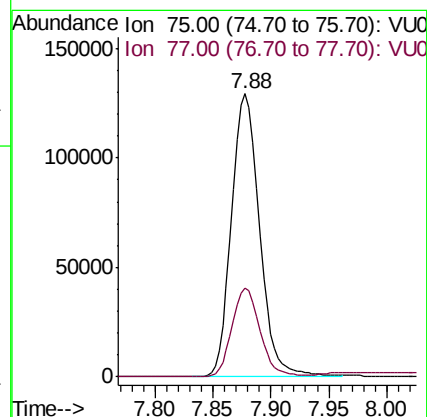
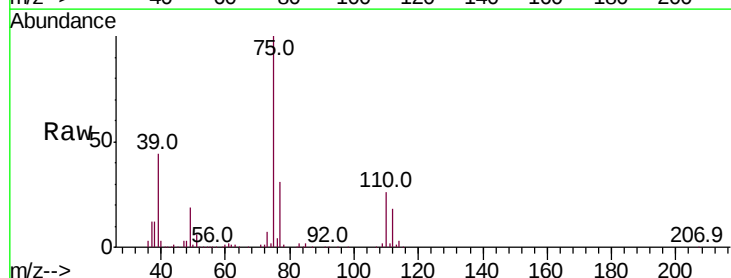
Acq: 08 Feb 2019 10:27

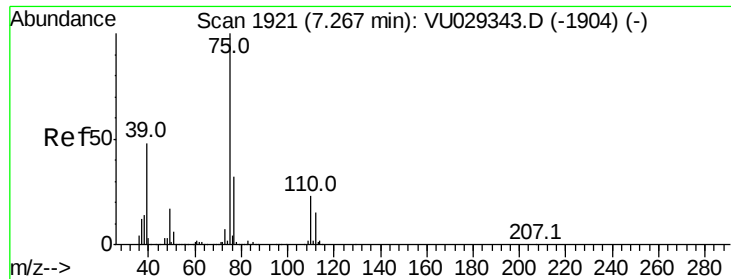
Tgt Ion: 75 Resp: 217009

Ion Ratio Lower Upper

75 100

77 31.3 23.6 35.4



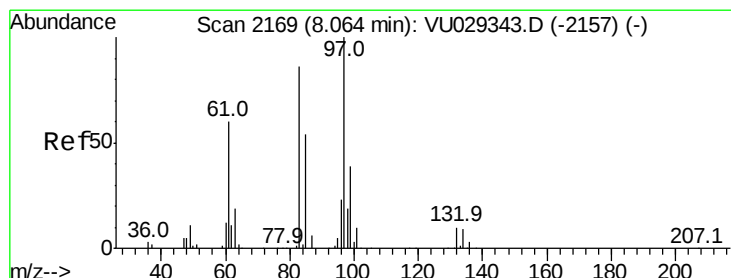
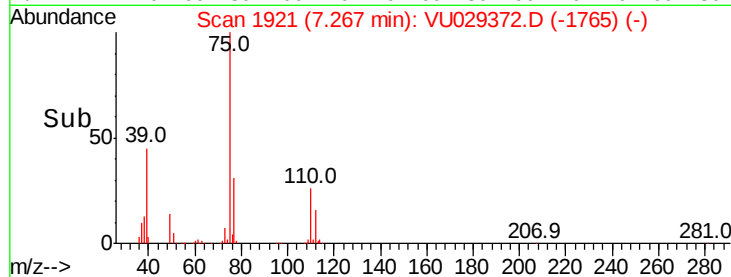
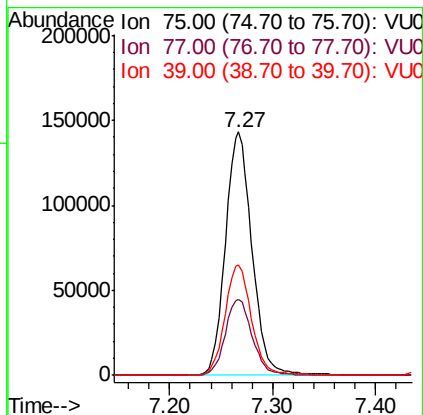
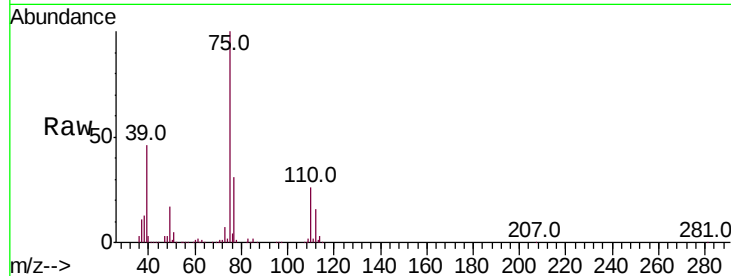


#51

cis-1,3-Dichloropropene
Concen: 10.117 ug/l
RT: 7.27 min Scan# 1921
Delta R.T. 0.00 min
Lab File: VU029372.D
Acq: 08 Feb 2019 10:27

Instrument :
MSVOA_U
ClientSampleId :

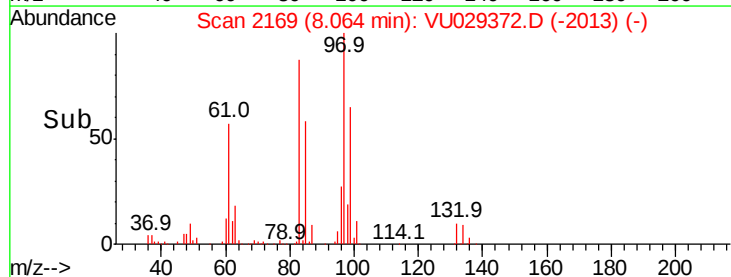
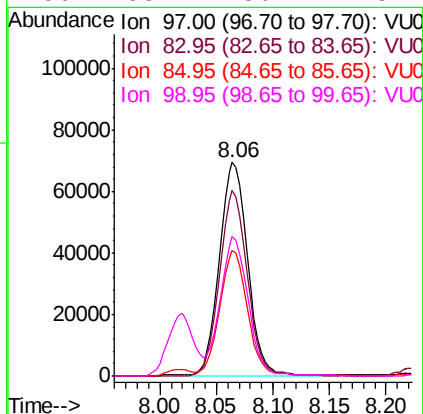
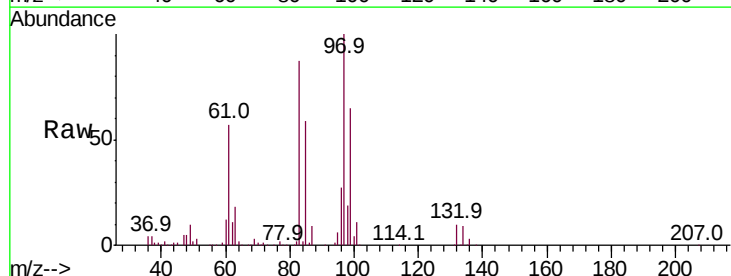
Tot Ion	75	Resp	256960
Ion Ratio	Lower	Upper	
75	100		
77	31.4	24.9	37.3
39	45.4	47.2	70.8#

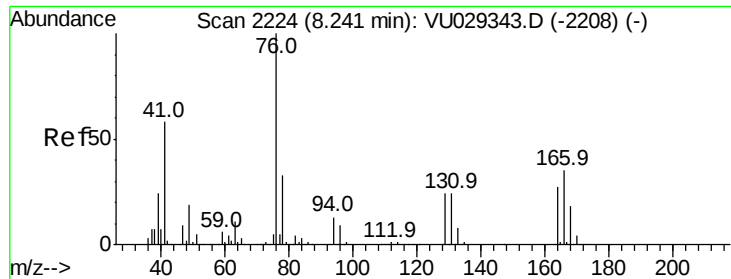


#52

1,1,2-Trichloroethane
Concen: 10.568 ug/l
RT: 8.06 min Scan# 2169
Delta R.T. 0.00 min
Lab File: VU029372.D
Acq: 08 Feb 2019 10:27

Tgt Ion	97	Resp	119764
Ion Ratio	Lower	Upper	
97	100		
83	86.6	69.9	104.9
85	58.6	45.8	68.6
99	65.2	50.2	75.2

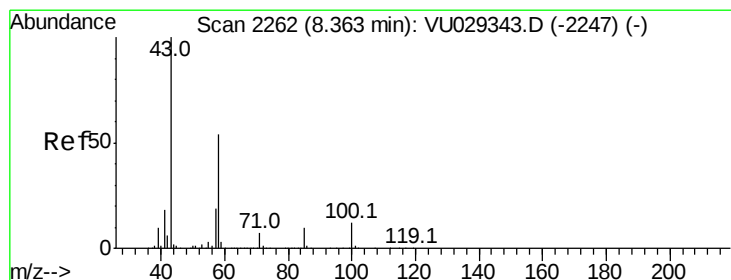
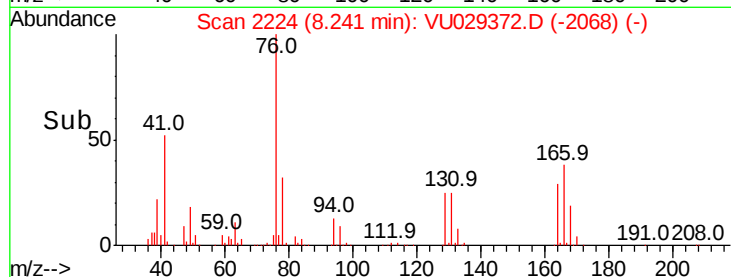
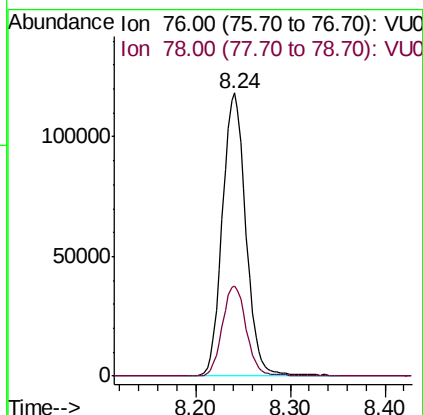
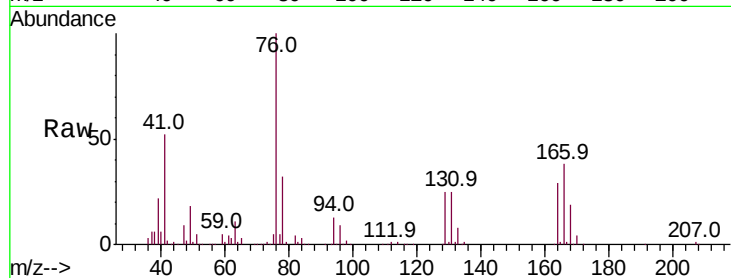




#53
 1,3-Dichloropropane
 Concen: 10.311 ug/l
 RT: 8.24 min Scan# 2224
 Delta R.T. 0.00 min
 Lab File: VU029372.D
 Acq: 08 Feb 2019 10:27

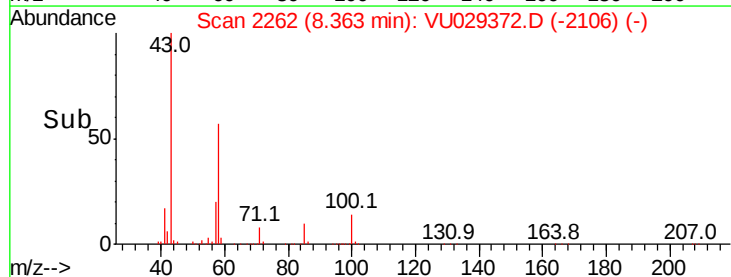
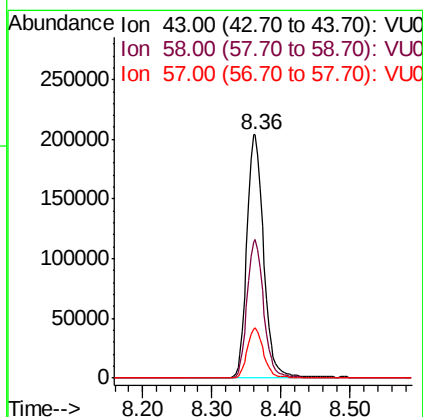
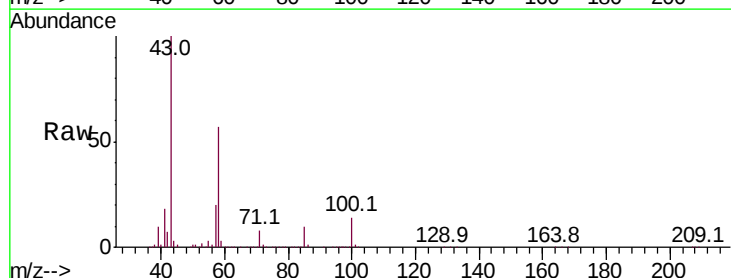
Instrument :
 MSVOA_U
 ClientSampleId :

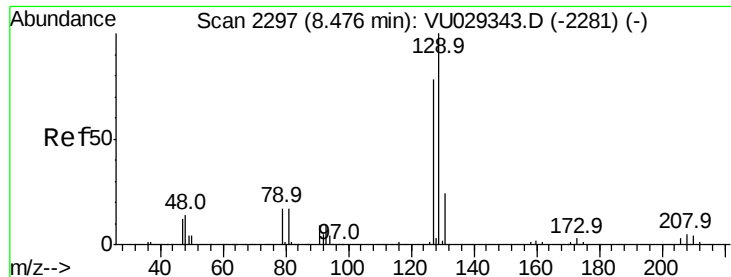
Tot Ion: 76 Resp: 205283
 Ion Ratio Lower Upper
 76 100
 78 32.5 26.3 39.5



#54
 2-Hexanone
 Concen: 48.649 ug/l
 RT: 8.36 min Scan# 2262
 Delta R.T. 0.00 min
 Lab File: VU029372.D
 Acq: 08 Feb 2019 10:27

Tgt Ion: 43 Resp: 342191
 Ion Ratio Lower Upper
 43 100
 58 56.6 26.0 66.0
 57 19.9 0.0 37.7





#55

Dibromochloromethane

Concen: 11.011 ug/l

RT: 8.47 min Scan# 2296

Delta R.T. -0.00 min

Lab File: VU029372.D

Acq: 08 Feb 2019 10:27

Instrument :

MSVOA_U

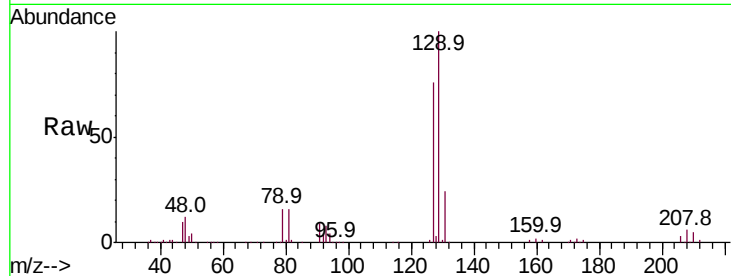
ClientSampled :

Tot Ion:129 Resp: 177363

Ion Ratio Lower Upper

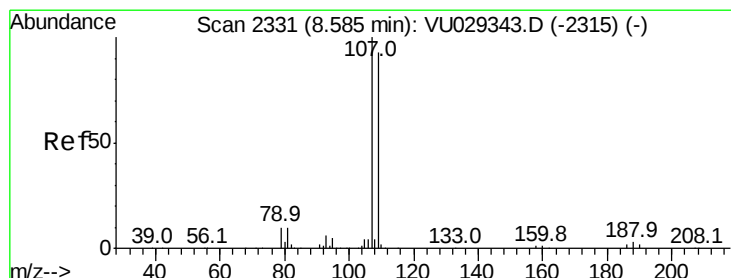
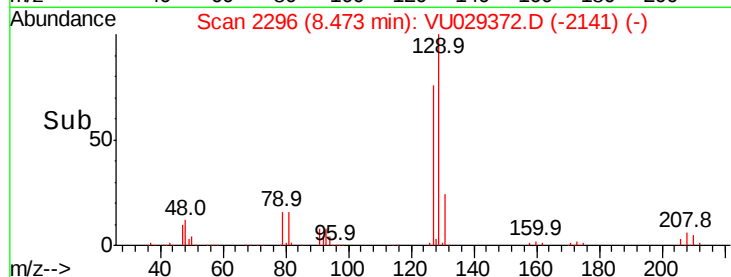
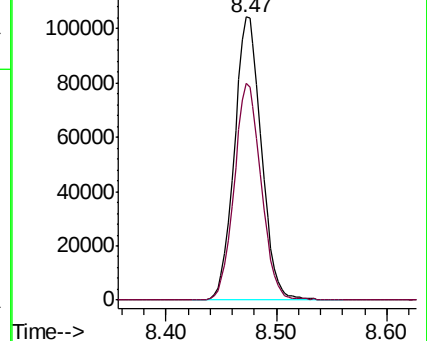
129 100

127 76.3 60.5 90.7



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#56

1,2-Dibromoethane

Concen: 10.356 ug/l

RT: 8.59 min Scan# 2331

Delta R.T. 0.00 min

Lab File: VU029372.D

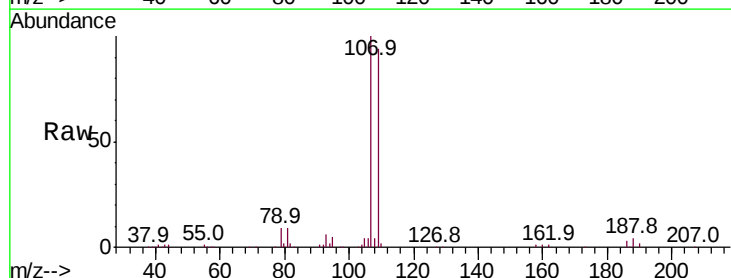
Acq: 08 Feb 2019 10:27

Tgt Ion:107 Resp: 120410

Ion Ratio Lower Upper

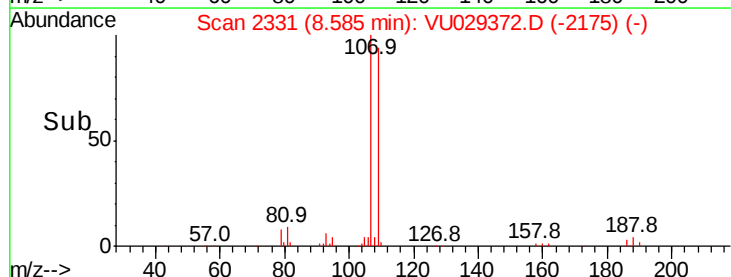
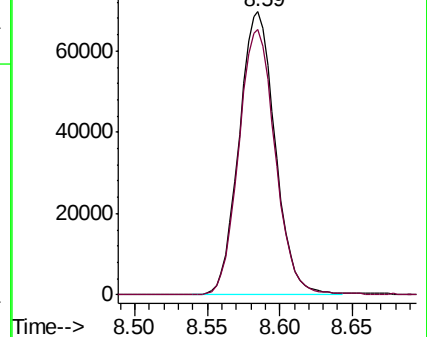
107 100

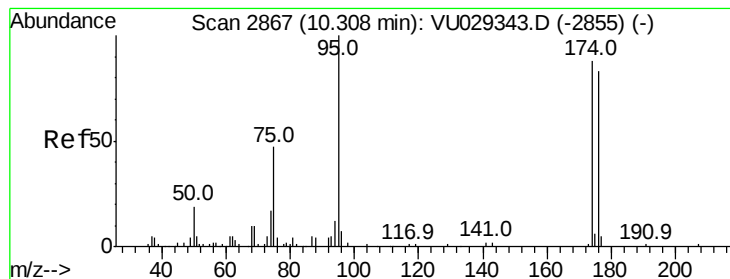
109 95.3 0.0 189.6



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V





#57

4-Bromofluorobenzene

Concen: 10.356 ug/l

RT: 10.31 min Scan# 2866

Delta R.T. -0.00 min

Lab File: VU029372.D

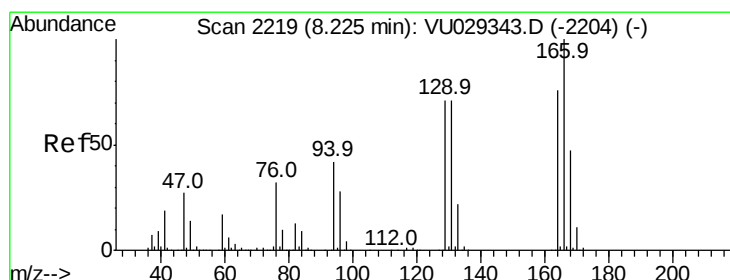
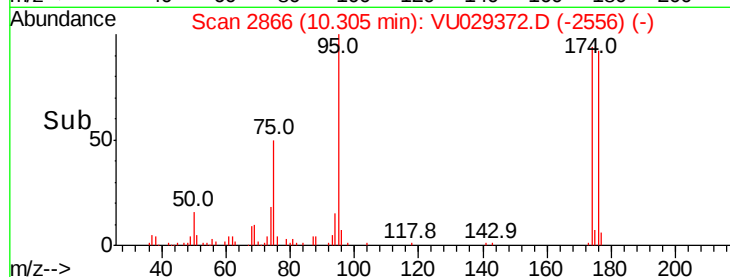
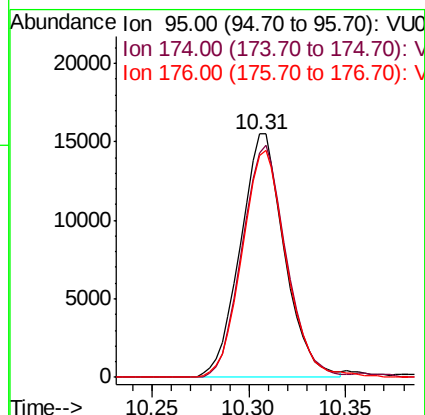
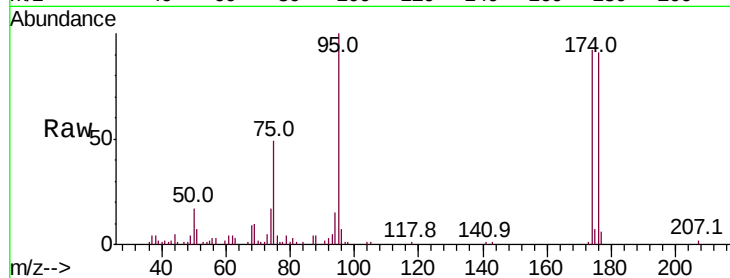
Acq: 08 Feb 2019 10:27

Instrument :

MSVOA_U

ClientSampled :

Tot Ion:	95	Resp:	24682
Ion	Ratio	Lower	Upper
95	100		
174	94.9	64.2	96.2
176	93.5	62.3	93.5#



#58

Tetrachloroethene

Concen: 11.419 ug/l

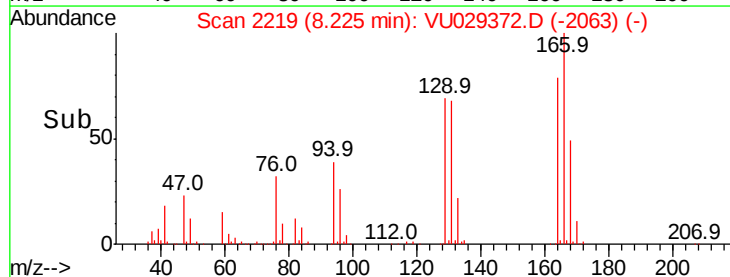
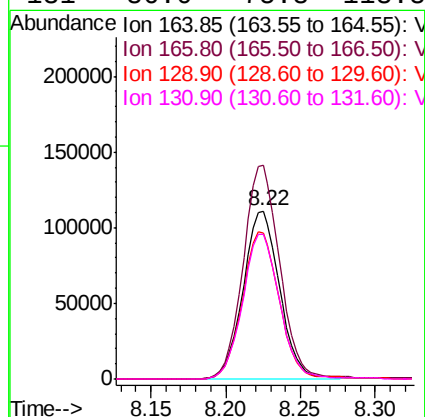
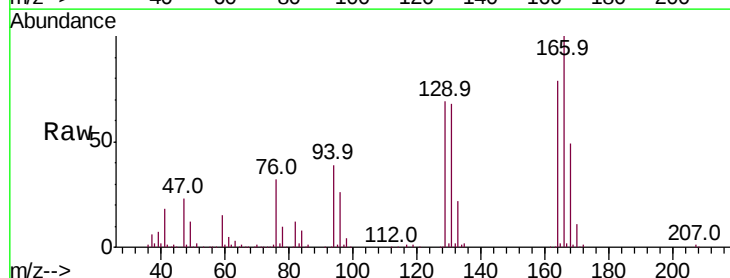
RT: 8.22 min Scan# 2219

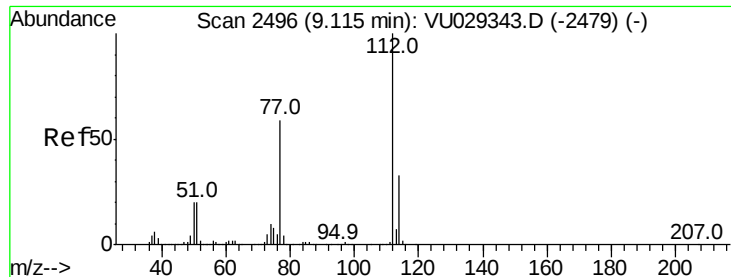
Delta R.T. 0.00 min

Lab File: VU029372.D

Acq: 08 Feb 2019 10:27

Tgt Ion:	164	Resp:	188275
Ion	Ratio	Lower	Upper
164	100		
166	127.1	106.6	159.8
129	87.2	79.9	119.9
131	86.0	75.8	113.8





#59

Chlorobenzene

Concen: 11.053 ug/l

RT: 9.12 min Scan# 2496

Delta R.T. 0.00 min

Lab File: VU029372.D

Acq: 08 Feb 2019 10:27

Instrument :

MSVOA_U

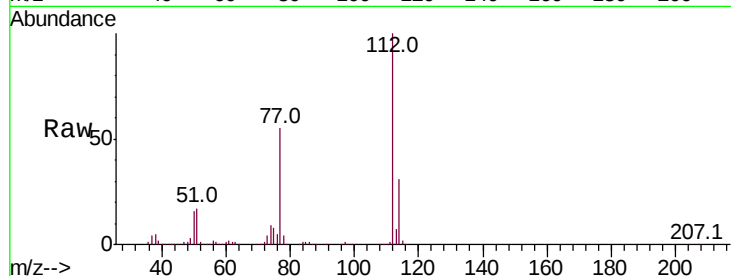
ClientSampleId :

Tot Ion:112 Resp: 491993

Ion Ratio Lower Upper

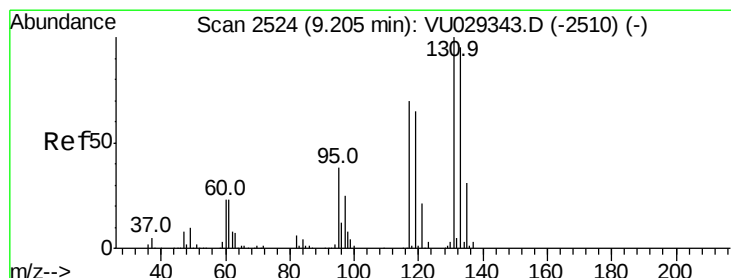
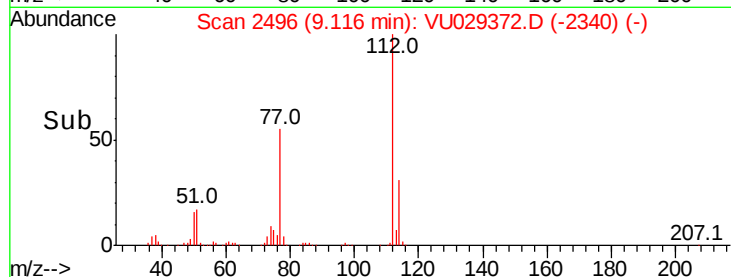
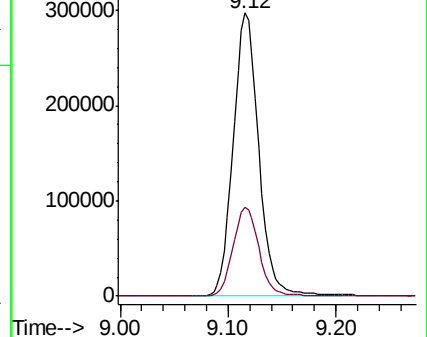
112 100

114 31.3 26.2 39.4



Abundance Ion 112.00 (111.70 to 112.70): V

Ion 114.00 (113.70 to 114.70): V



#60

1,1,1,2-Tetrachloroethane

Concen: 11.207 ug/l

RT: 9.21 min Scan# 2524

Delta R.T. 0.00 min

Lab File: VU029372.D

Acq: 08 Feb 2019 10:27

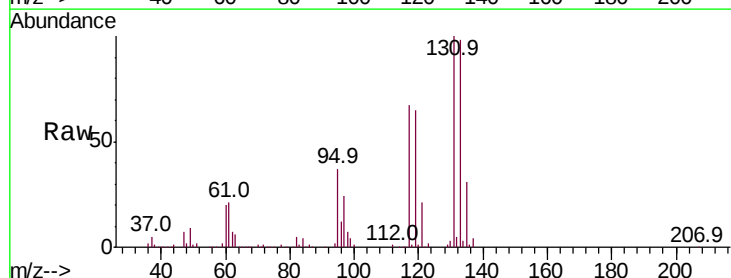
Tgt Ion:131 Resp: 184332

Ion Ratio Lower Upper

131 100

133 96.0 77.3 115.9

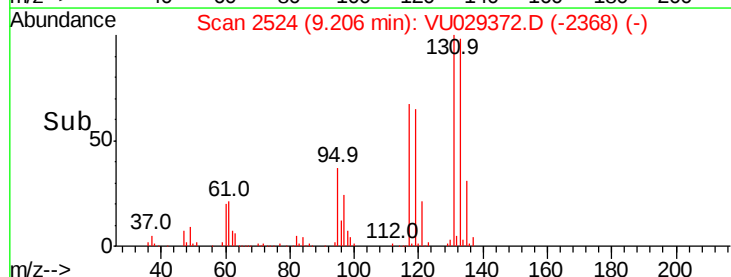
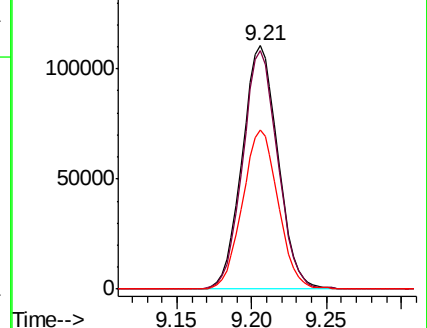
119 64.9 48.9 73.3

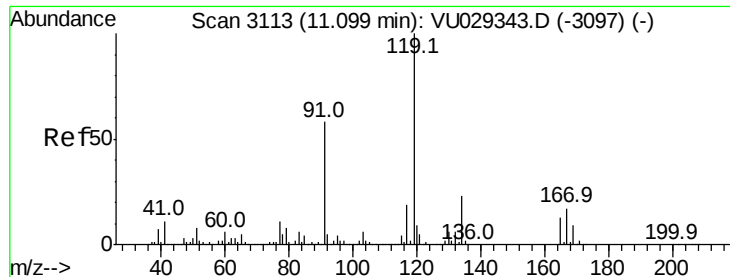


Abundance Ion 131.00 (130.70 to 131.70): V

Ion 133.00 (132.70 to 133.70): V

Ion 119.00 (118.70 to 119.70): V





#61

Pentachloroethane

Concen: 10.975 ug/l

RT: 11.10 min Scan# 3113

Delta R.T. 0.00 min

Lab File: VU029372.D

Acq: 08 Feb 2019 10:27

Instrument :

MSVOA_U

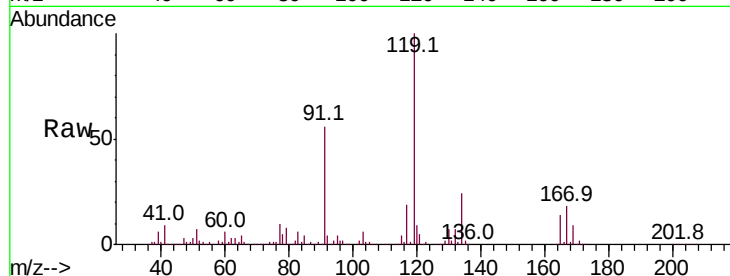
ClientSampleId :

Tot Ion:117 Resp: 139903

Ion Ratio Lower Upper

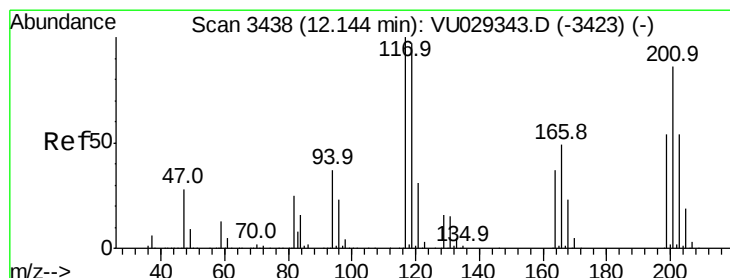
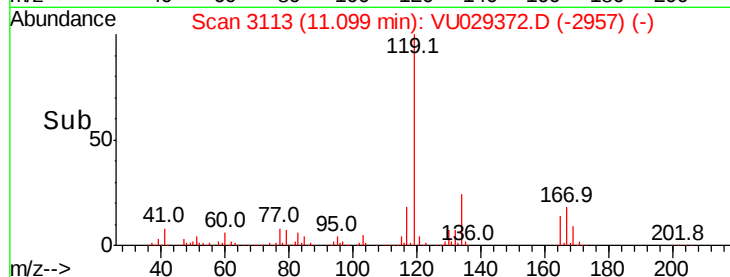
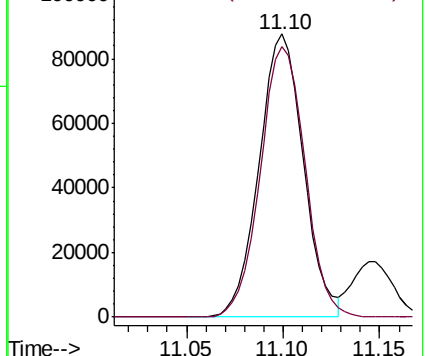
117 100

167 96.4 65.9 98.9



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 166.70 (166.40 to 167.40): V



#62

Hexachloroethane

Concen: 11.257 ug/l

RT: 12.14 min Scan# 3437

Delta R.T. -0.00 min

Lab File: VU029372.D

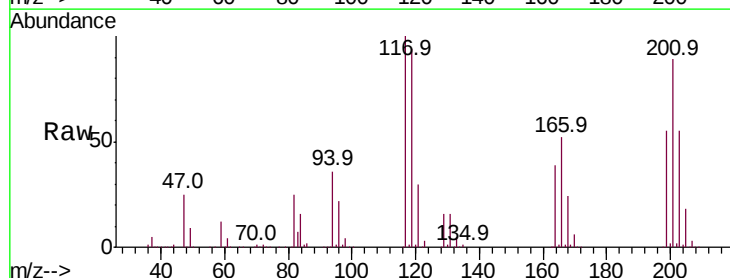
Acq: 08 Feb 2019 10:27

Tgt Ion:117 Resp: 156626

Ion Ratio Lower Upper

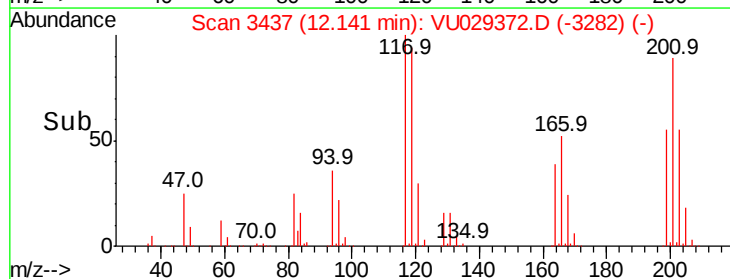
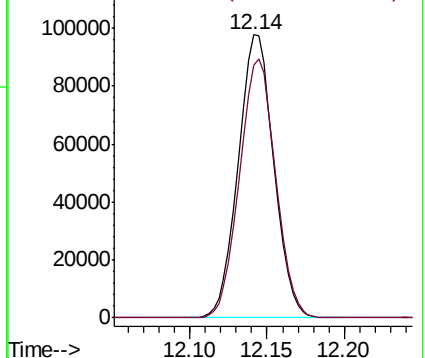
117 100

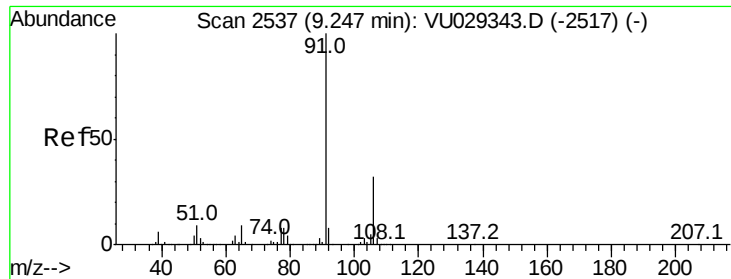
201 92.6 68.2 102.2



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.60 (200.30 to 201.30): V

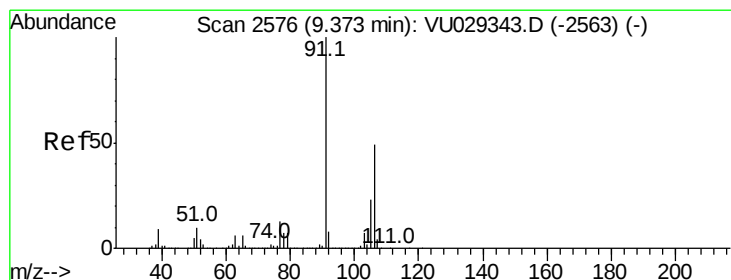
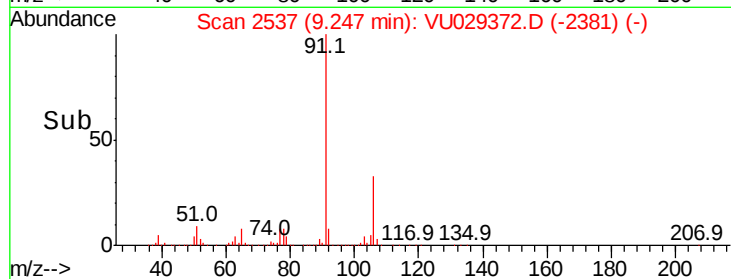
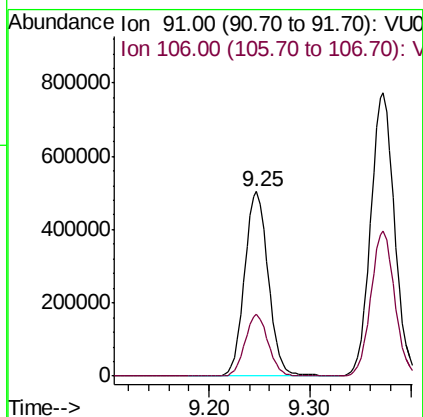
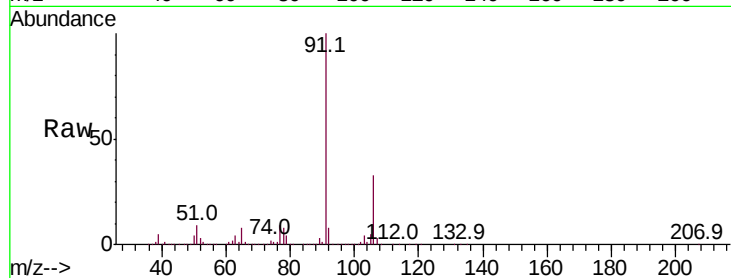




#63
Ethyl Benzene
Concen: 10.555 ug/l
RT: 9.25 min Scan# 2537
Delta R.T. 0.00 min
Lab File: VU029372.D
Acq: 08 Feb 2019 10:27

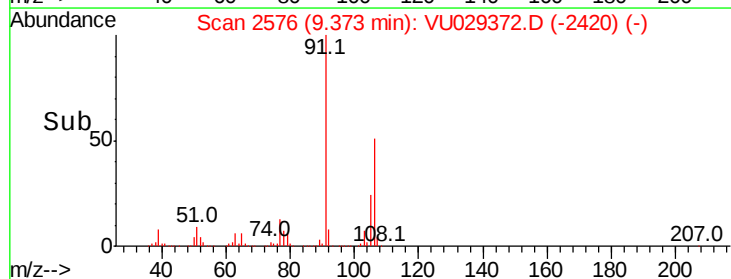
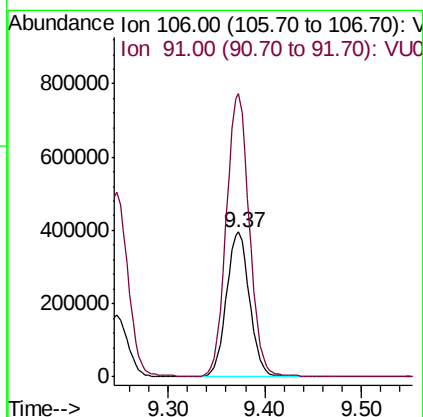
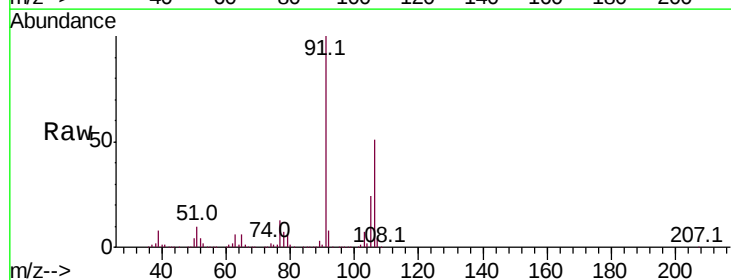
Instrument :
MSVOA_U
ClientSampled :

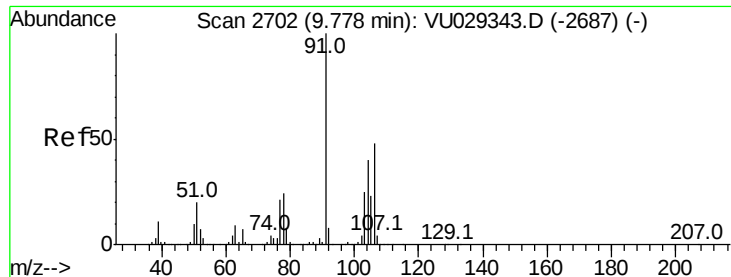
Tot Ion: 91 Resp: 815897
Ion Ratio Lower Upper
91 100
106 33.3 23.8 35.6



#64
m/p-Xylenes
Concen: 21.785 ug/l
RT: 9.37 min Scan# 2576
Delta R.T. 0.00 min
Lab File: VU029372.D
Acq: 08 Feb 2019 10:27

Tgt Ion: 106 Resp: 654459
Ion Ratio Lower Upper
106 100
91 194.9 174.6 261.8





#65

o-Xylene

Concen: 10.824 ug/l

RT: 9.77 min Scan# 2701

Delta R.T. -0.00 min

Lab File: VU029372.D

Acq: 08 Feb 2019 10:27

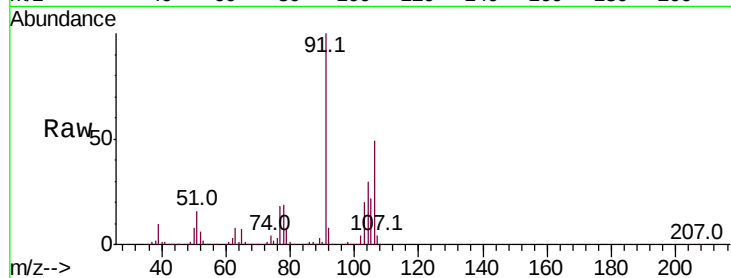
Instrument :
MSVOA_U
ClientSampled :

Tot Ion:106 Resp: 319178

Ion Ratio Lower Upper

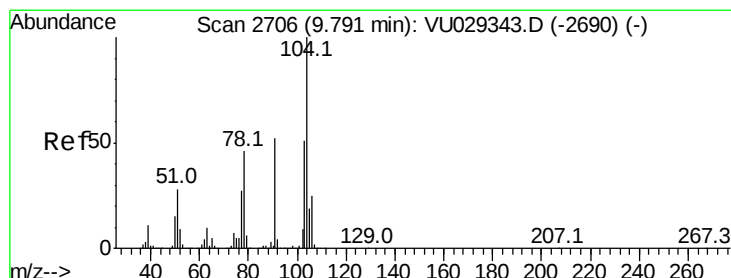
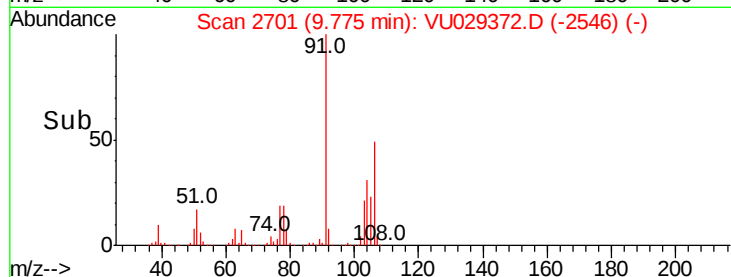
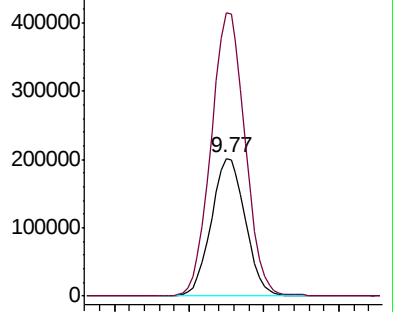
106 100

91 205.7 114.5 343.4



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0



#66

Styrene

Concen: 10.869 ug/l

RT: 9.79 min Scan# 2705

Delta R.T. -0.00 min

Lab File: VU029372.D

Acq: 08 Feb 2019 10:27

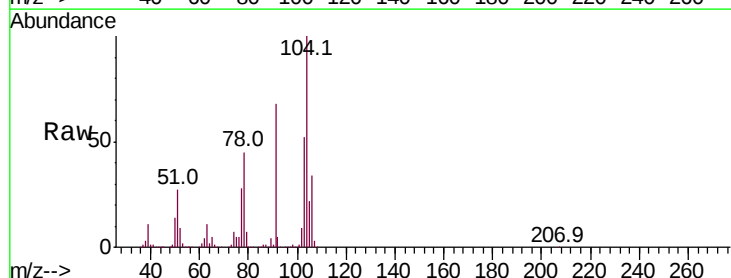
Tgt Ion:104 Resp: 534291

Ion Ratio Lower Upper

104 100

78 48.3 46.5 69.7

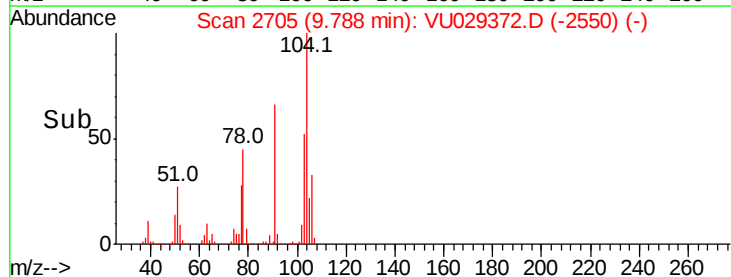
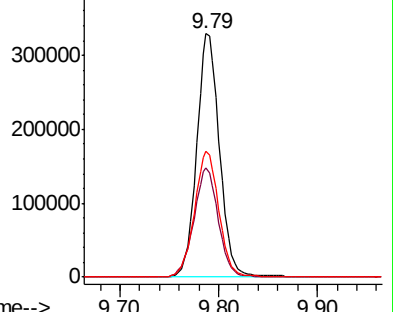
103 55.2 44.7 67.1

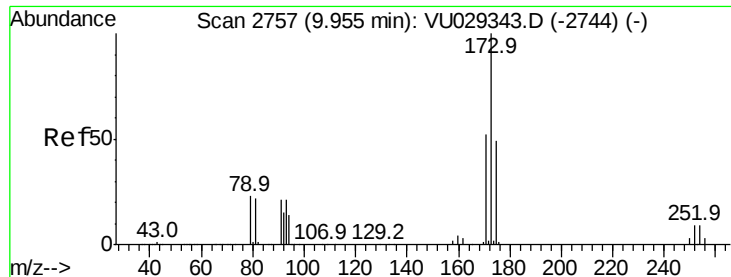


Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VU0

Ion 103.00 (102.70 to 103.70): V

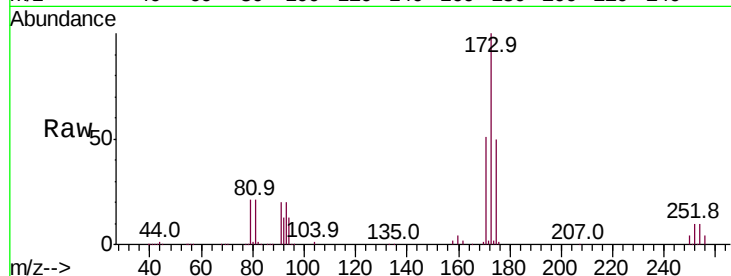




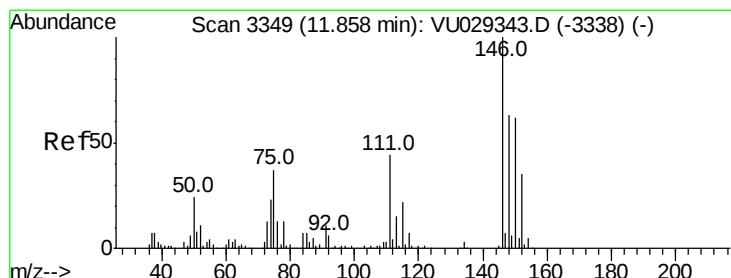
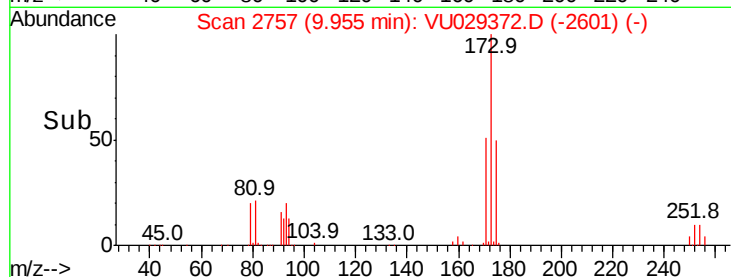
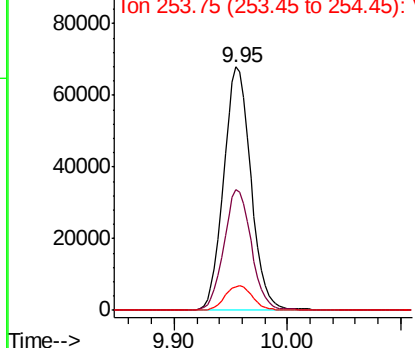
#67
Bromoform
Concen: 11.384 ug/l
RT: 9.95 min Scan# 2757
Delta R.T. 0.00 min
Lab File: VU029372.D
Acq: 08 Feb 2019 10:27

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
173	100		
175	49.9	38.9	58.3
254	10.2	7.4	11.2

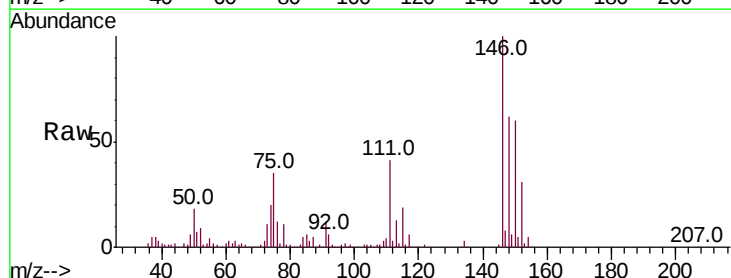


Abundance Ion 172.90 (172.60 to 173.60): V
Ion 174.90 (174.60 to 175.60): V
Ion 253.75 (253.45 to 254.45): V

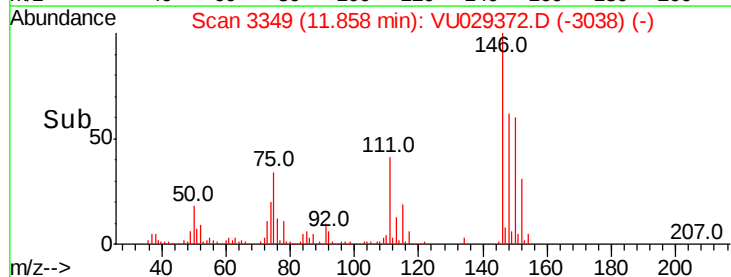
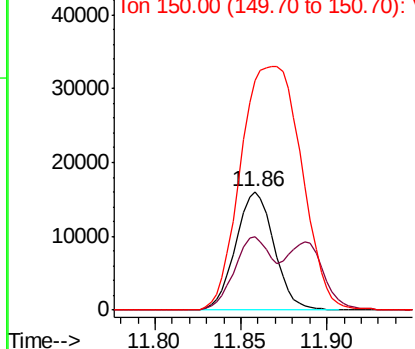


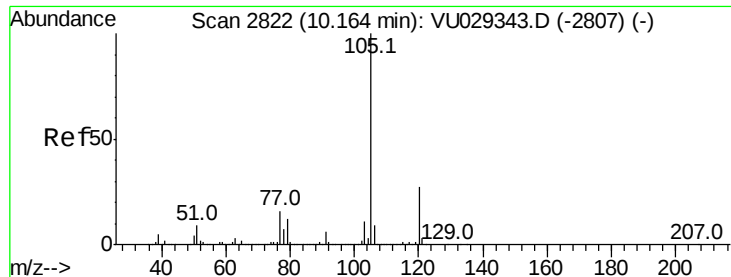
#68
1,2-Dichlorobenzene-d4
Concen: 11.384 ug/l
RT: 11.86 min Scan# 3349
Delta R.T. 0.00 min
Lab File: VU029372.D
Acq: 08 Feb 2019 10:27

Tgt Ion	Ratio	Lower	Upper
152	100		
115	60.6	0.0	133.4
150	324.4	0.0	670.8



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





#69

Isopropylbenzene

Concen: 10.894 ug/l

RT: 10.16 min Scan# 2822

Delta R.T. 0.00 min

Lab File: VU029372.D

Acq: 08 Feb 2019 10:27

Instrument :

MSVOA_U

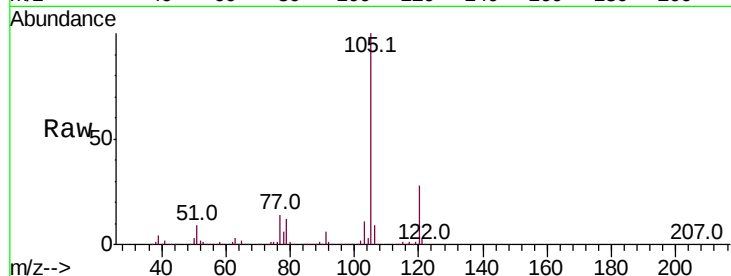
ClientSampleId :

Tot Ion:105 Resp: 858226

Ion Ratio Lower Upper

105 100

120 27.6 12.6 37.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

10.16

600000

500000

400000

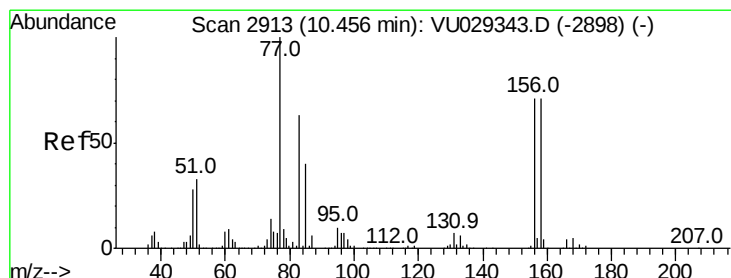
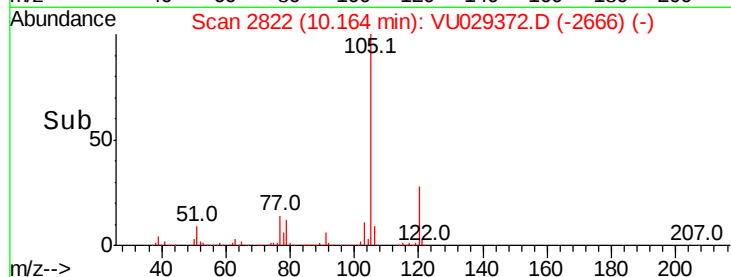
300000

200000

100000

0

Time-->



#70

1,1,2,2-Tetrachloroethane

Concen: 10.586 ug/l

RT: 10.46 min Scan# 2913

Delta R.T. 0.00 min

Lab File: VU029372.D

Acq: 08 Feb 2019 10:27

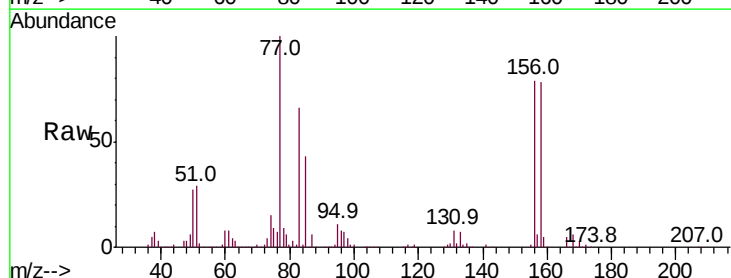
Tgt Ion: 83 Resp: 153757

Ion Ratio Lower Upper

83 100

131 11.2 8.1 12.1

85 65.5 50.3 75.5



Abundance Ion 83.00 (82.70 to 83.70): VU0

Ion 131.00 (130.70 to 131.70): V

Ion 85.00 (84.70 to 85.70): VU0

10.46

120000

100000

80000

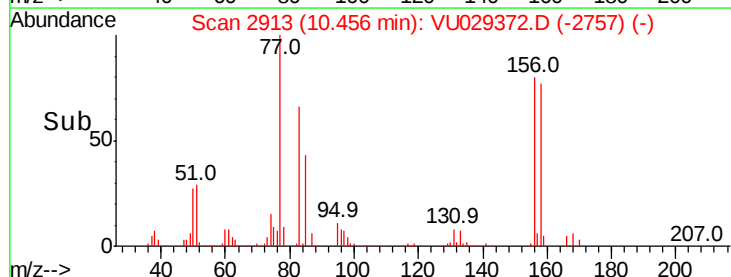
60000

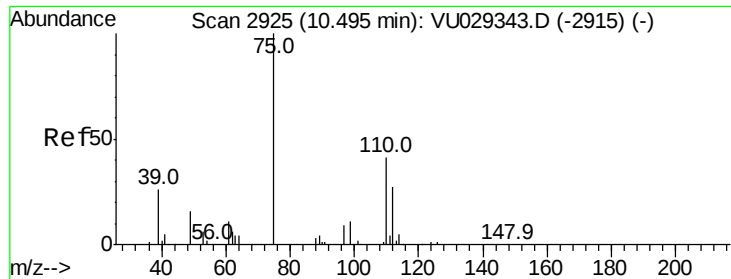
40000

20000

0

Time-->





#71

1,2,3-Trichloropropane

Concen: 9.262 ug/l

RT: 10.49 min Scan# 2924

Delta R.T. -0.00 min

Lab File: VU029372.D

Acq: 08 Feb 2019 10:27

Instrument :

MSVOA_U

ClientSampled :

Tot Ion: 75 Resp: 92390

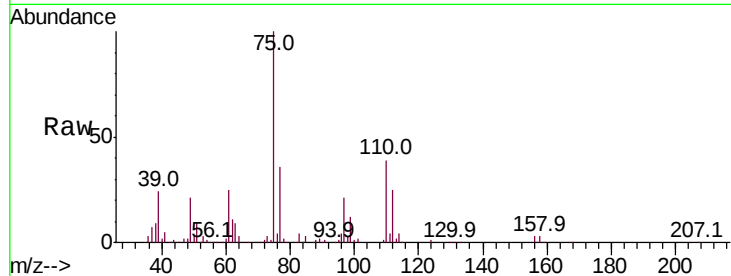
Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0

110 45.5 0.0 63.6

97 24.0 0.0 31.4

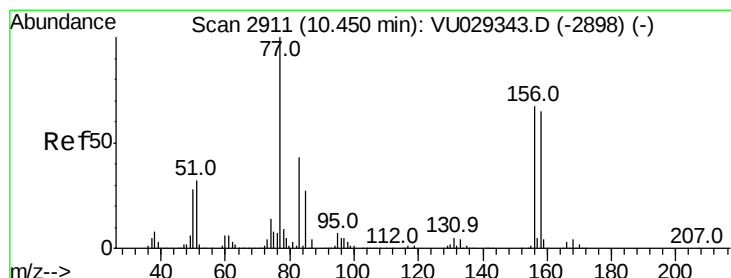
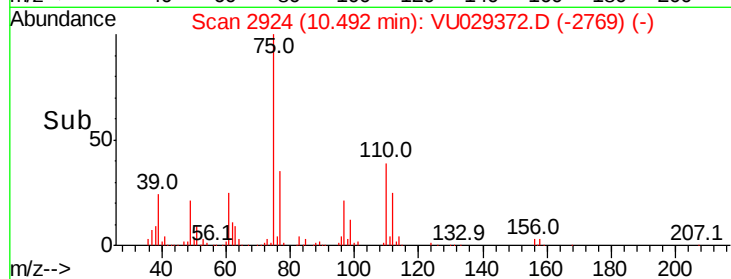
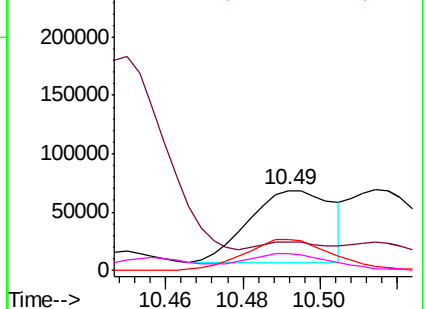


Abundance Ion 75.00 (74.70 to 75.70): VU0

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: 11.566 ug/l

RT: 10.45 min Scan# 2911

Delta R.T. 0.00 min

Lab File: VU029372.D

Acq: 08 Feb 2019 10:27

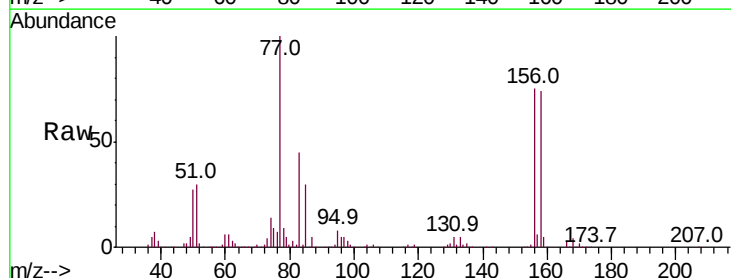
Tgt Ion:156 Resp: 220870

Ion Ratio Lower Upper

156 100

77 133.6 0.0 343.8

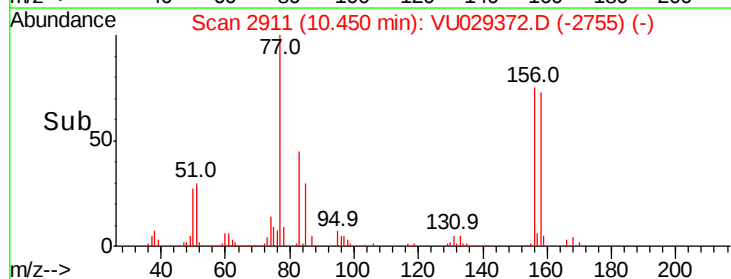
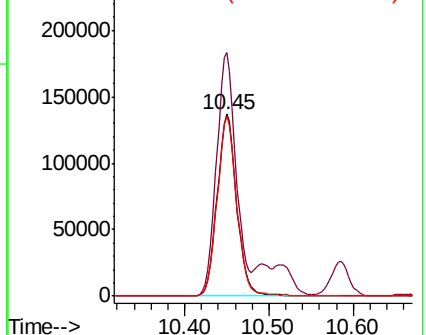
158 98.5 0.0 195.0

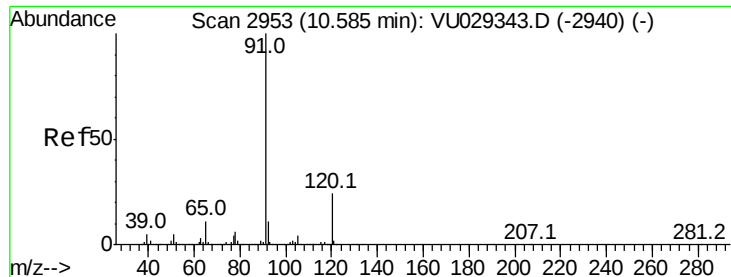


Abundance Ion 156.00 (155.70 to 156.70): V

Ion 77.00 (76.70 to 77.70): VU0

Ion 158.00 (157.70 to 158.70): V





#73

n-propylbenzene

Concen: 11.387 ug/l

RT: 10.58 min Scan# 2953

Delta R.T. 0.00 min

Lab File: VU029372.D

Acq: 08 Feb 2019 10:27

Instrument :

MSVOA_U

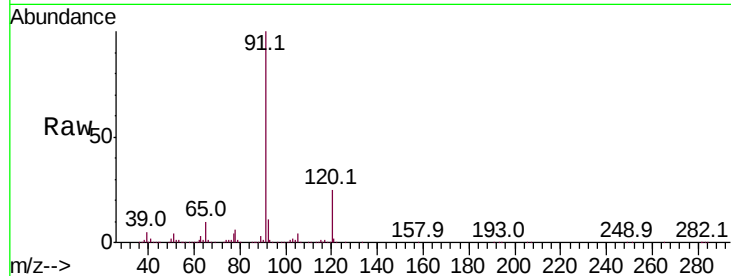
ClientSampled :

Tot Ion:120 Resp: 249873

Ion Ratio Lower Upper

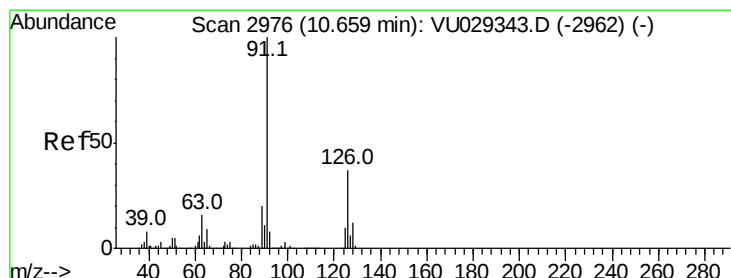
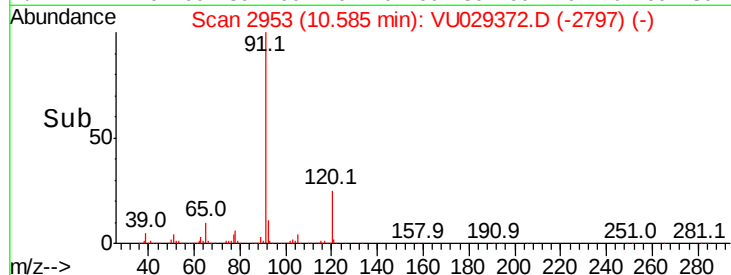
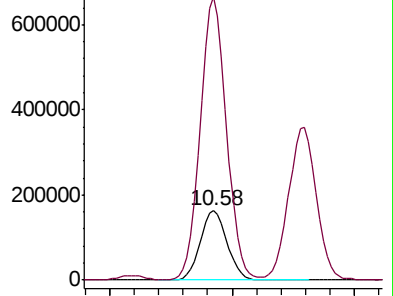
120 100

91 397.8 370.0 555.0



Abundance Ion 120.00 (119.70 to 120.70): V

Ion 91.00 (90.70 to 91.70): VU0



#74

2-Chlorotoluene

Concen: 11.203 ug/l

RT: 10.66 min Scan# 2976

Delta R.T. 0.00 min

Lab File: VU029372.D

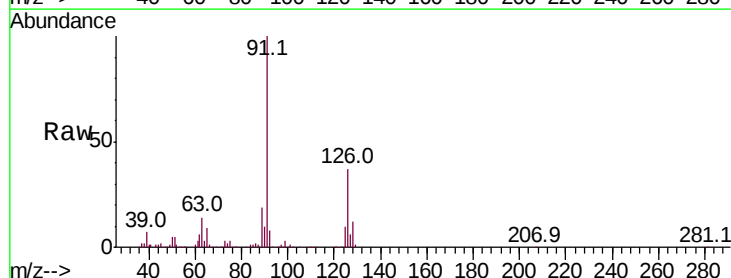
Acq: 08 Feb 2019 10:27

Tgt Ion:126 Resp: 209324

Ion Ratio Lower Upper

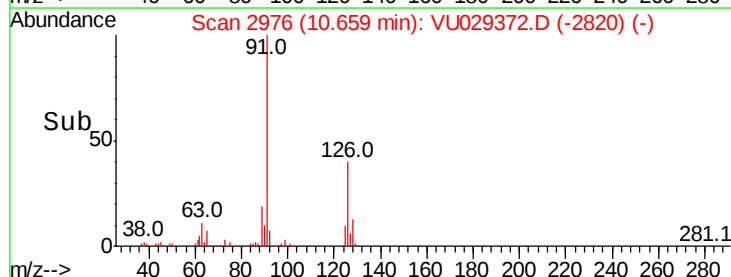
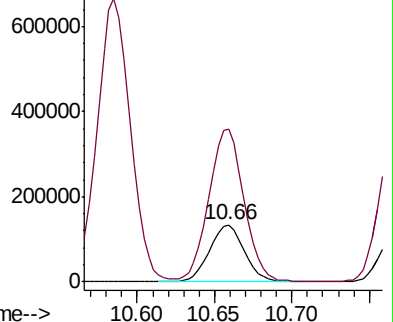
126 100

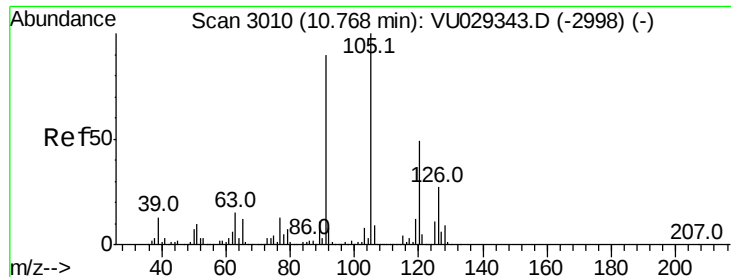
91 267.7 0.0 643.0



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: 10.737 ug/l

RT: 10.77 min Scan# 3010

Delta R.T. 0.00 min

Lab File: VU029372.D

Acq: 08 Feb 2019 10:27

Instrument :

MSVOA_U

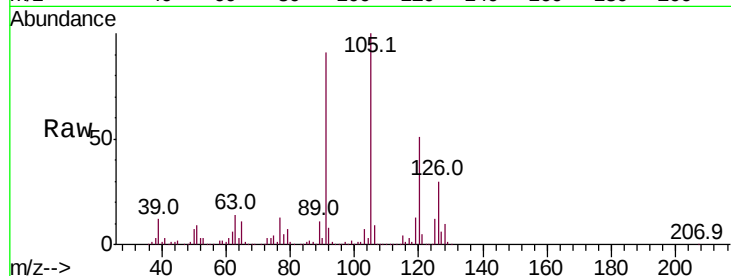
ClientSampled :

Tot Ion:105 Resp: 729287

Ion Ratio Lower Upper

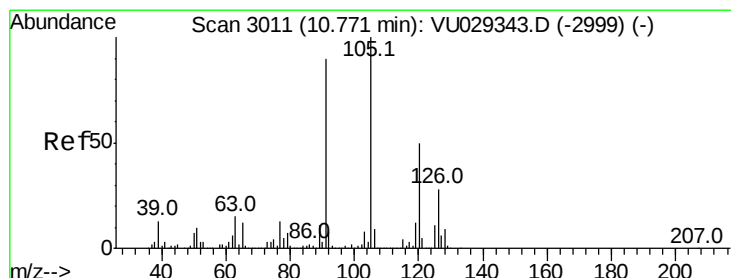
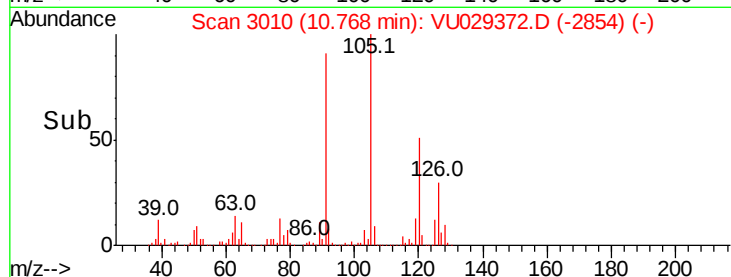
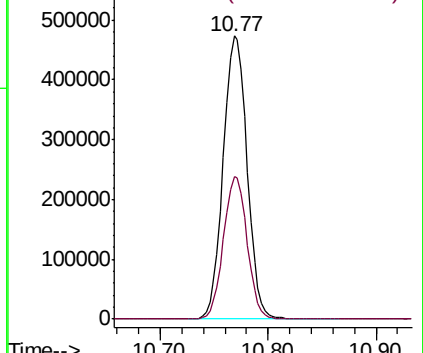
105 100

120 50.3 37.3 55.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#76

4-Chlorotoluene

Concen: 11.337 ug/l

RT: 10.77 min Scan# 3010

Delta R.T. -0.00 min

Lab File: VU029372.D

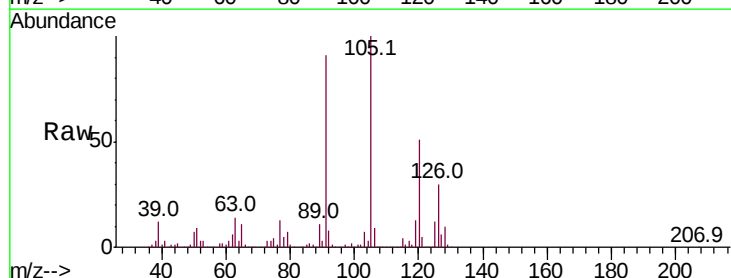
Acq: 08 Feb 2019 10:27

Tgt Ion:126 Resp: 219850

Ion Ratio Lower Upper

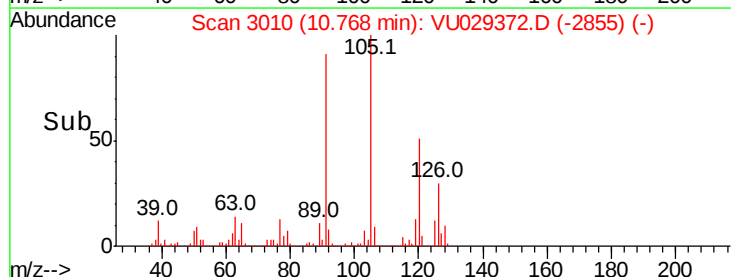
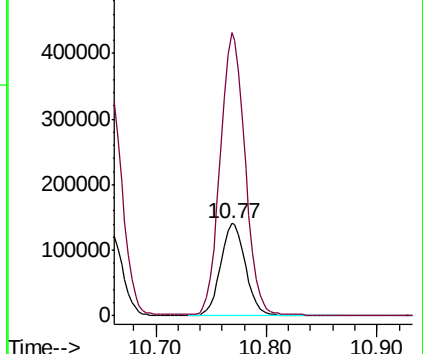
126 100

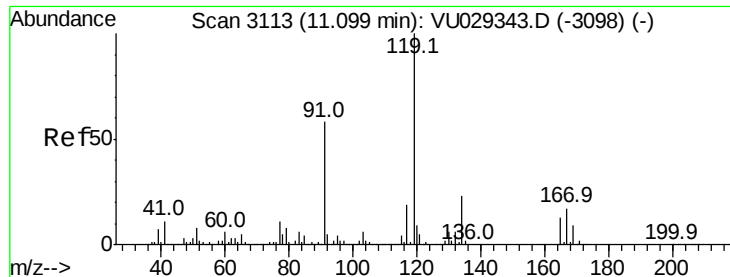
91 307.7 0.0 727.4



Abundance Ion 126.00 (125.70 to 126.70): V

Ion 91.00 (90.70 to 91.70): VU0





#77

tert-Butylbenzene

Concen: 11.037 ug/l

RT: 11.10 min Scan# 3112

Delta R.T. -0.00 min

Lab File: VU029372.D

Acq: 08 Feb 2019 10:27

Instrument :

MSVOA_U

ClientSampleId :

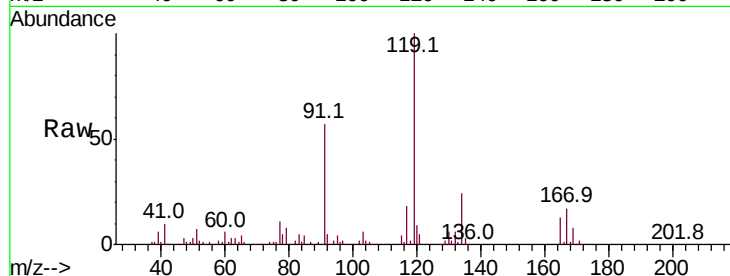
Tot Ion:119 Resp: 741007

Ion Ratio Lower Upper

119 100

91 56.0 32.2 96.6

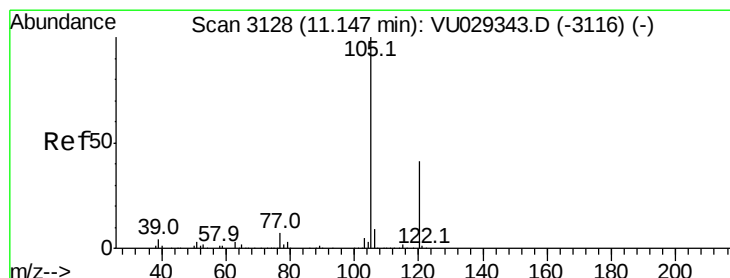
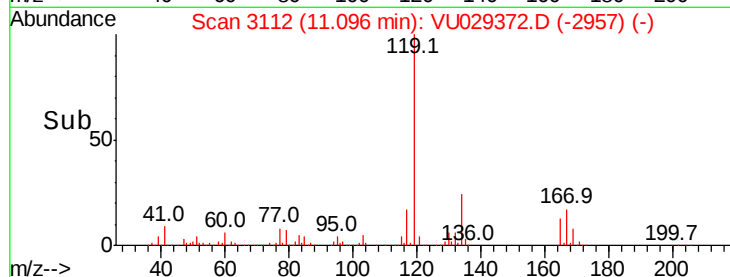
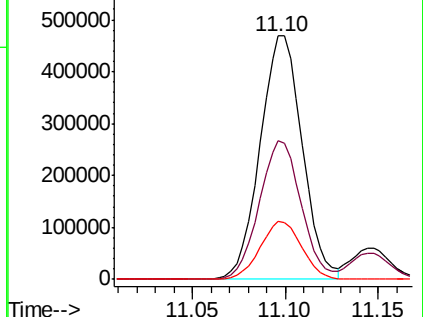
134 23.5 17.6 26.4



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: 10.808 ug/l

RT: 11.14 min Scan# 3127

Delta R.T. -0.00 min

Lab File: VU029372.D

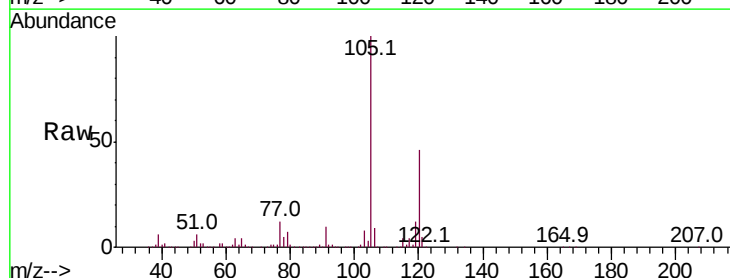
Acq: 08 Feb 2019 10:27

Tgt Ion:105 Resp: 743218

Ion Ratio Lower Upper

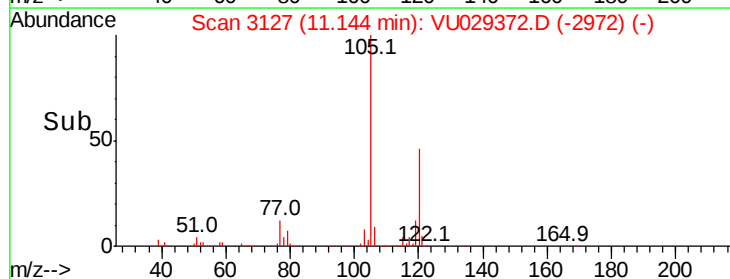
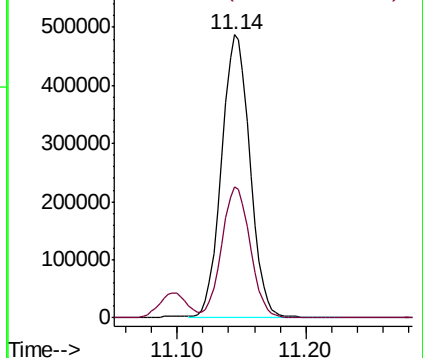
105 100

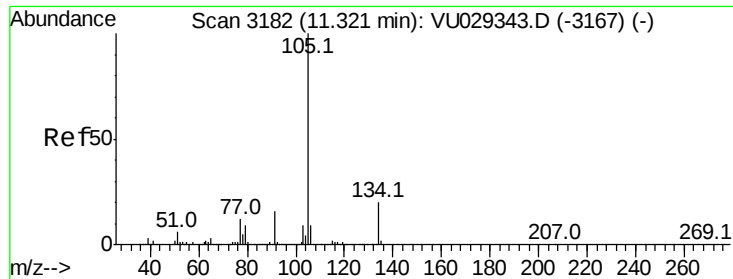
120 46.6 21.4 64.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#79

sec-Butylbenzene

Concen: 10.870 ug/l

RT: 11.32 min Scan# 3182

Delta R.T. 0.00 min

Lab File: VU029372.D

Acq: 08 Feb 2019 10:27

Instrument :

MSVOA_U

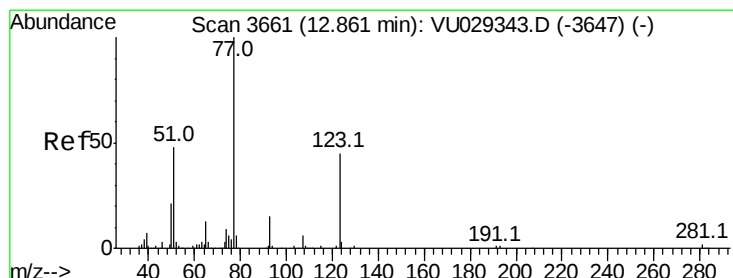
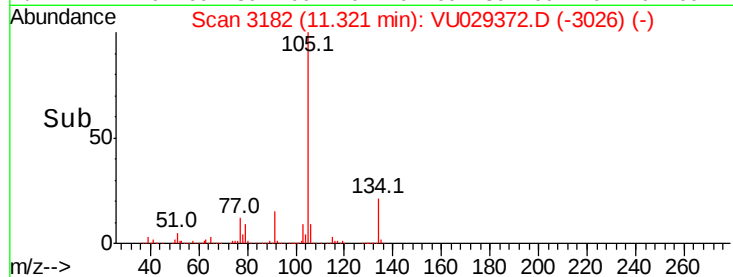
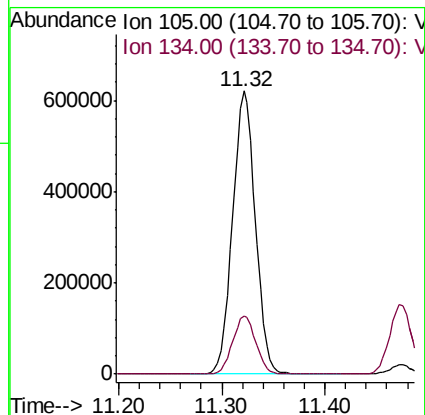
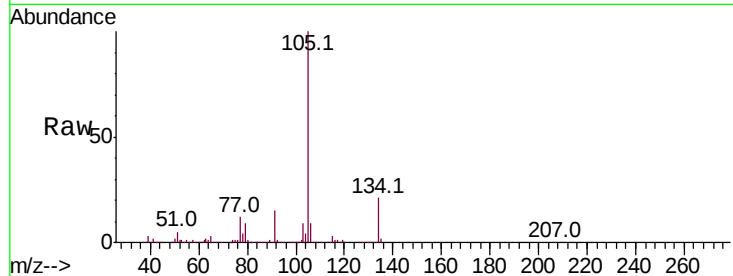
ClientSampleId :

Tot Ion:105 Resp: 954900

Ion Ratio Lower Upper

105 100

134 21.1 15.0 22.6



#80

Nitrobenzene

Concen: 53.028 ug/l

RT: 12.86 min Scan# 3661

Delta R.T. 0.00 min

Lab File: VU029372.D

Acq: 08 Feb 2019 10:27

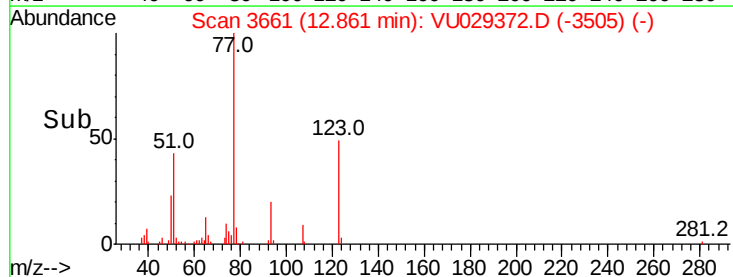
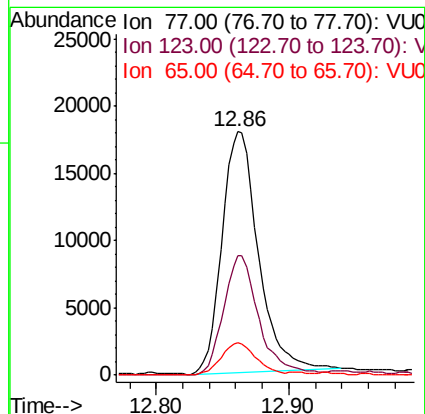
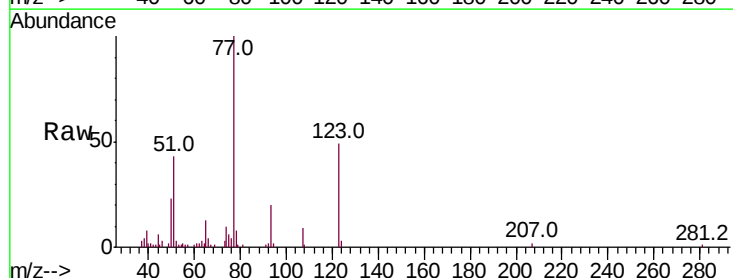
Tgt Ion: 77 Resp: 34317

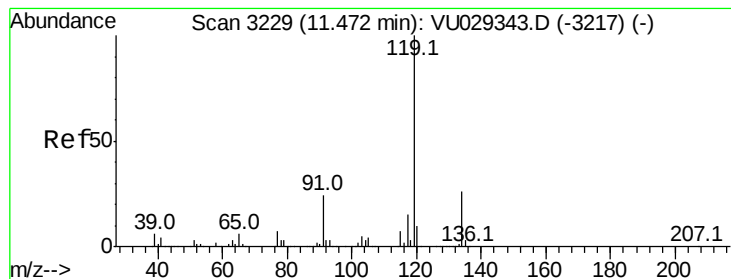
Ion Ratio Lower Upper

77 100

123 46.3 17.5 61.9

65 12.0 10.8 13.8





#81

p-Isopropyltoluene

Concen: 11.192 ug/l

RT: 11.47 min Scan# 3229

Delta R.T. 0.00 min

Lab File: VU029372.D

Acq: 08 Feb 2019 10:27

Instrument :

MSVOA_U

ClientSampled :

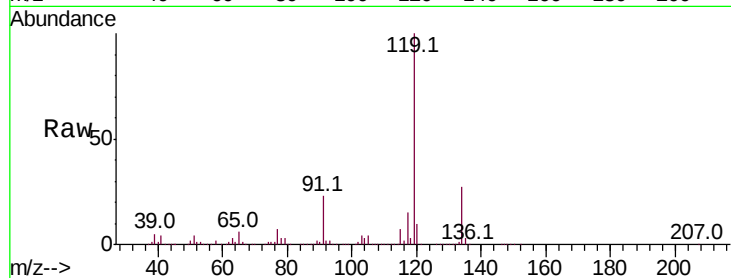
Tot Ion:119 Resp: 833352

Ion Ratio Lower Upper

119 100

134 27.3 19.8 29.6

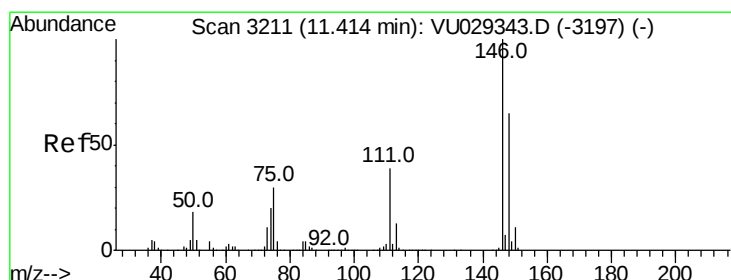
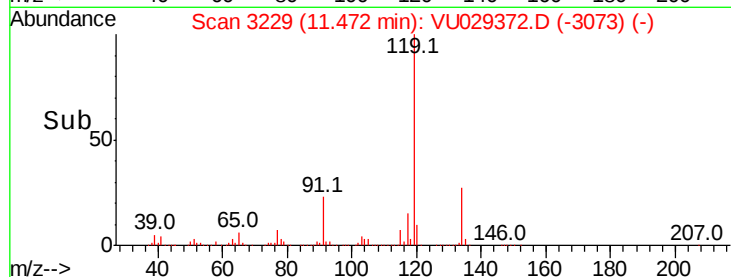
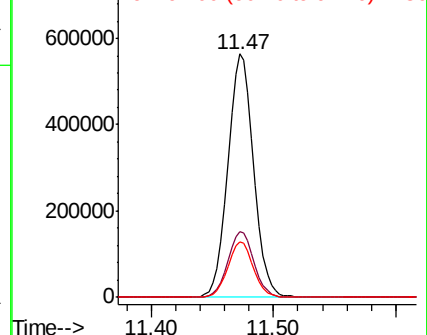
91 22.6 21.5 32.3



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): VU



#82

1,3-Dichlorobenzene

Concen: 11.604 ug/l

RT: 11.41 min Scan# 3211

Delta R.T. 0.00 min

Lab File: VU029372.D

Acq: 08 Feb 2019 10:27

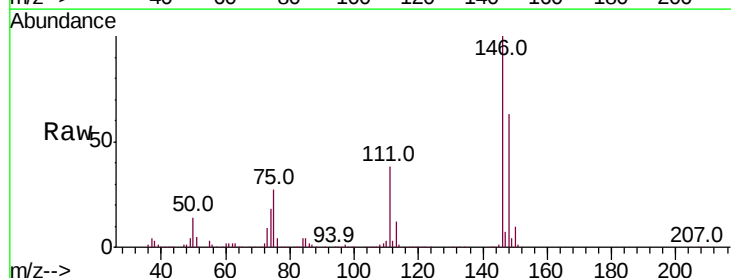
Tgt Ion:146 Resp: 434769

Ion Ratio Lower Upper

146 100

111 38.0 34.1 51.1

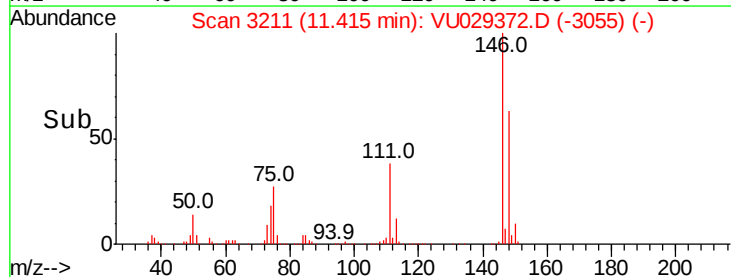
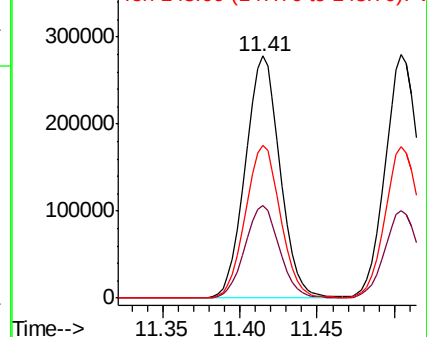
148 63.7 52.3 78.5

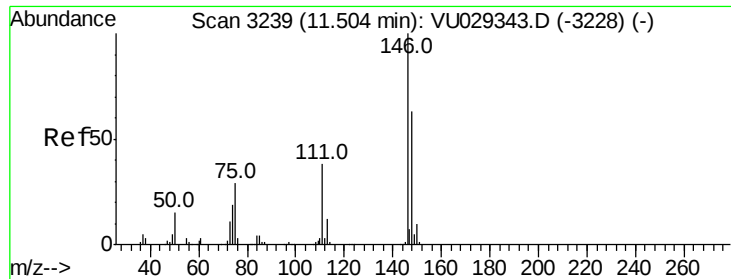


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

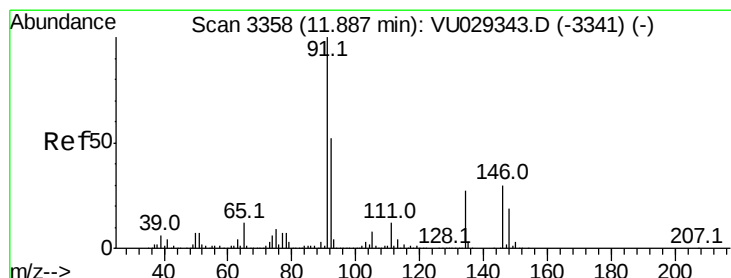
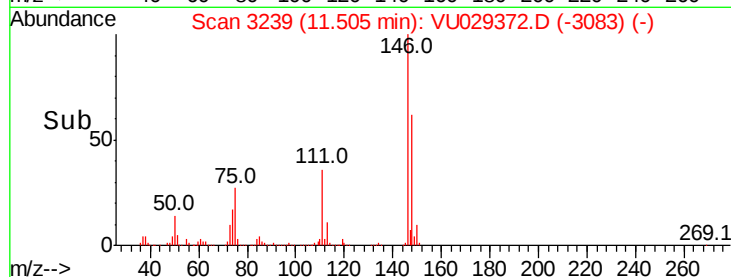
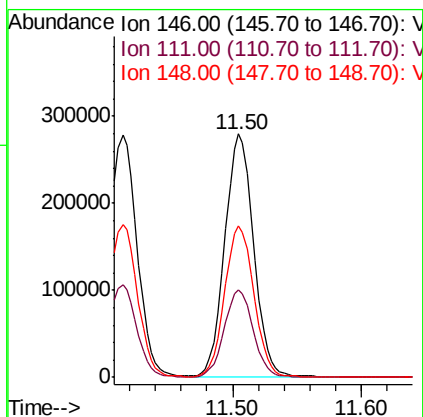
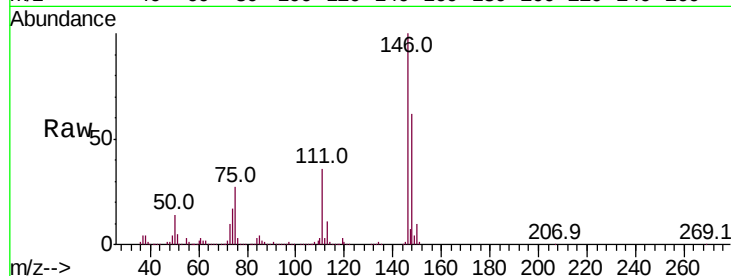




#83
 1,4-Dichlorobenzene
 Concen: 11.637 ug/l
 RT: 11.50 min Scan# 3239
 Delta R.T. 0.00 min
 Lab File: VU029372.D
 Acq: 08 Feb 2019 10:27

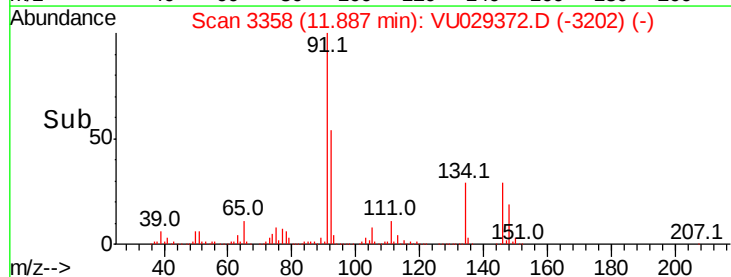
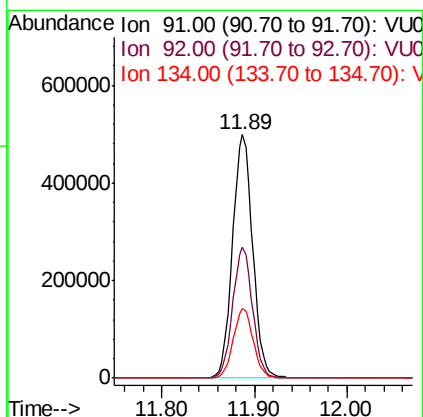
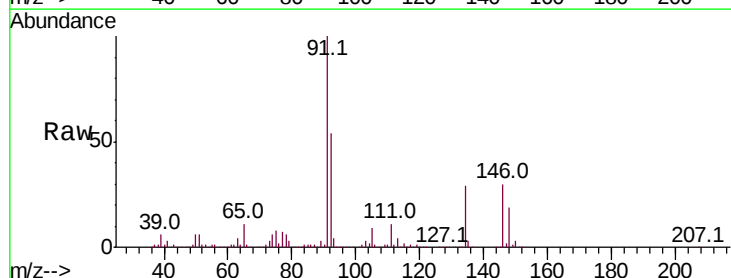
Instrument :
 MSVOA_U
 ClientSampleId :

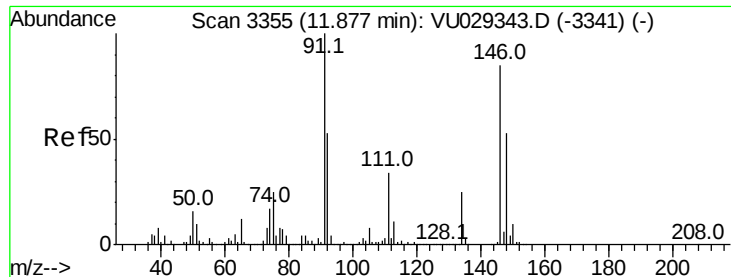
Tot Ion:146 Resp: 434210
 Ion Ratio Lower Upper
 146 100
 111 36.1 32.9 49.3
 148 63.3 51.8 77.6



#84
 n-Butylbenzene
 Concen: 10.961 ug/l
 RT: 11.89 min Scan# 3358
 Delta R.T. 0.00 min
 Lab File: VU029372.D
 Acq: 08 Feb 2019 10:27

Tgt Ion: 91 Resp: 749008
 Ion Ratio Lower Upper
 91 100
 92 52.9 41.0 61.6
 134 28.4 19.1 28.7

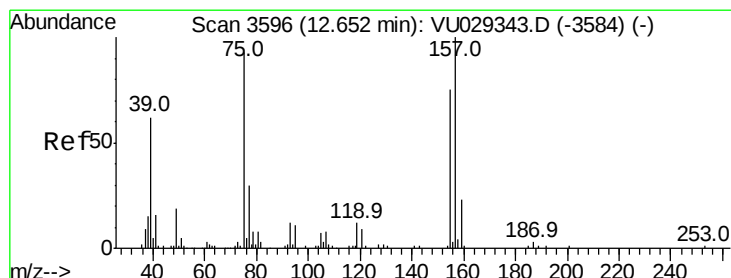
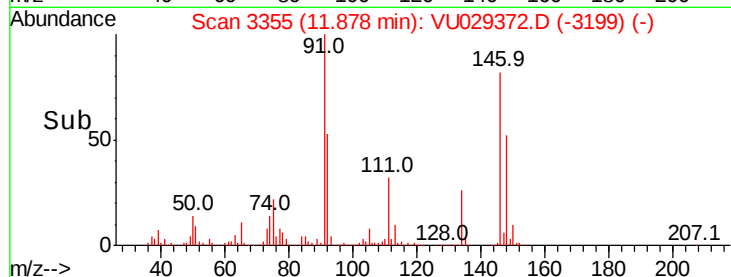
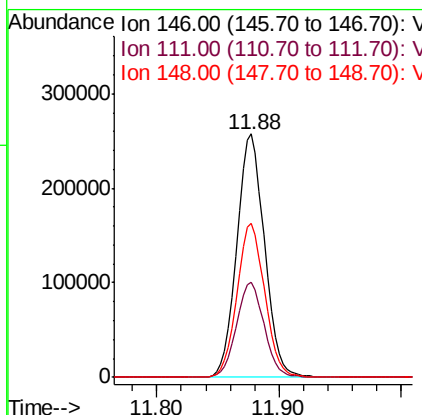
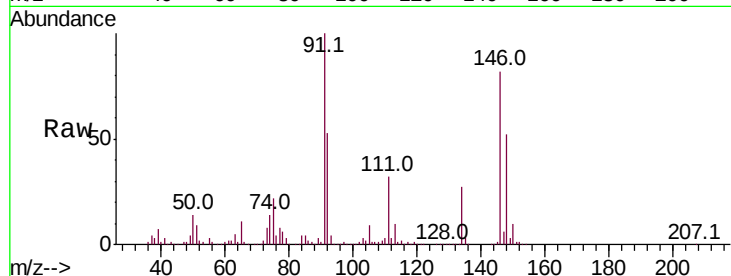




#85
 1,2-Dichlorobenzene
 Concen: 11.393 ug/l
 RT: 11.88 min Scan# 3355
 Delta R.T. 0.00 min
 Lab File: VU029372.D
 Acq: 08 Feb 2019 10:27

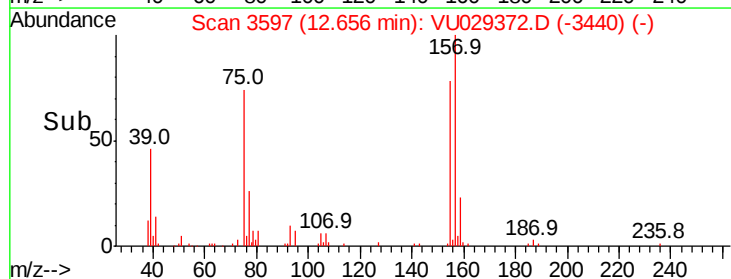
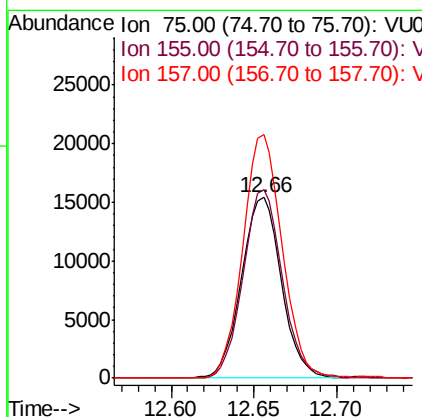
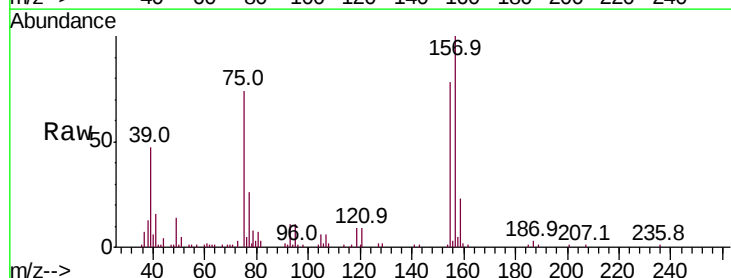
Instrument :
 MSVOA_U
 ClientSampleId :

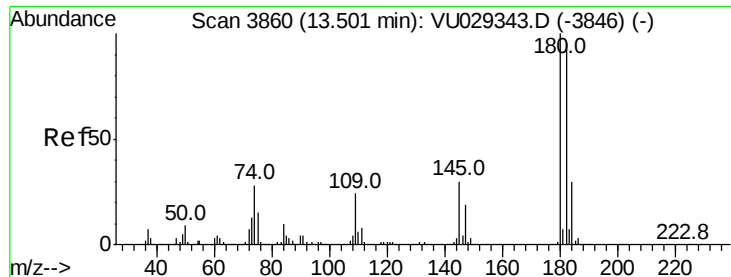
Tot Ion:	146	Resp:	403567
Ion	Ratio	Lower	Upper
146	100		
111	39.1	21.9	65.8
148	63.5	31.8	95.3



#86
 1,2-Dibromo-3-Chloropropane
 Concen: 9.526 ug/l
 RT: 12.66 min Scan# 3597
 Delta R.T. 0.00 min
 Lab File: VU029372.D
 Acq: 08 Feb 2019 10:27

Tgt Ion:	75	Resp:	25824
Ion	Ratio	Lower	Upper
75	100		
155	102.4	53.8	80.8#
157	132.3	69.2	103.8#

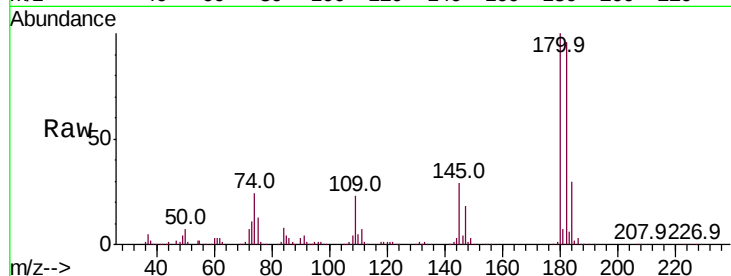




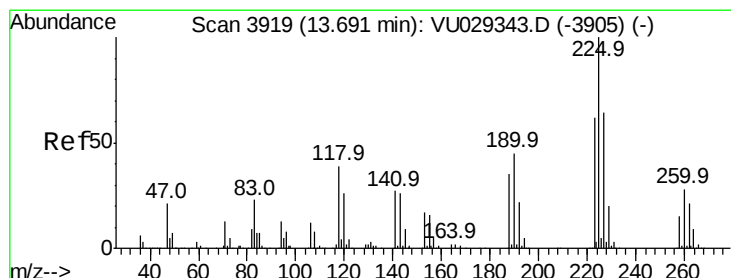
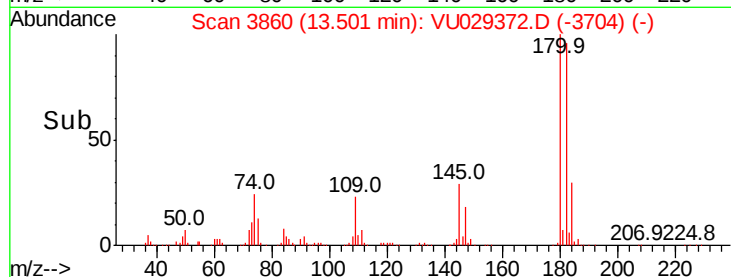
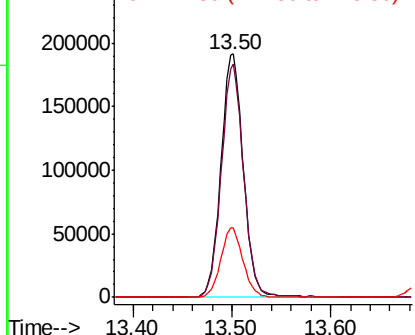
#87
 1,2,4-Trichlorobenzene
 Concen: 12.307 ug/l
 RT: 13.50 min Scan# 3860
 Delta R.T. 0.00 min
 Lab File: VU029372.D
 Acq: 08 Feb 2019 10:27

Instrument :
 MSVOA_U
 ClientSampled :

Tot Ion:180 Resp: 306219
 Ion Ratio Lower Upper
 180 100
 182 95.0 76.6 114.8
 145 28.1 24.6 36.8

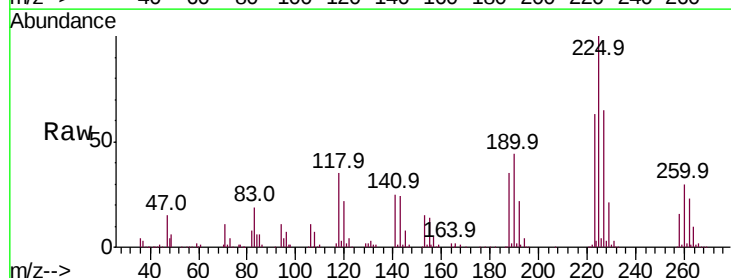


Abundance Ion 179.70 (179.40 to 180.40): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

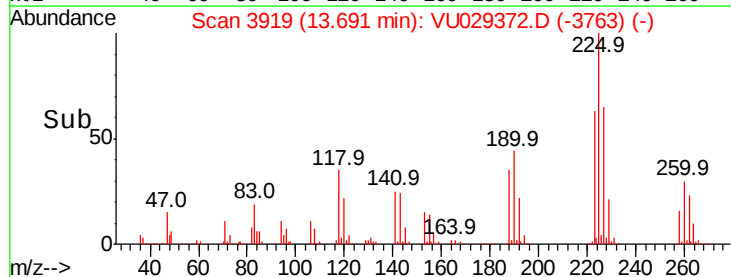
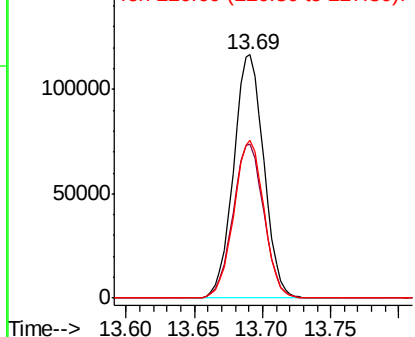


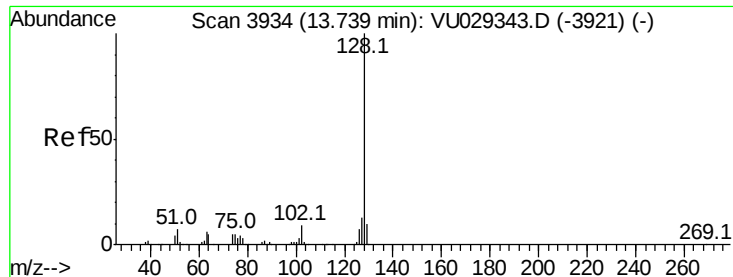
#88
 Hexachlorobutadiene
 Concen: 12.467 ug/l
 RT: 13.69 min Scan# 3919
 Delta R.T. 0.00 min
 Lab File: VU029372.D
 Acq: 08 Feb 2019 10:27

Tgt Ion:225 Resp: 179647
 Ion Ratio Lower Upper
 225 100
 223 64.3 49.5 74.3
 227 64.3 50.4 75.6



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: 11.623 ug/l

RT: 13.74 min Scan# 3934

Delta R.T. 0.00 min

Lab File: VU029372.D

Acq: 08 Feb 2019 10:27

Instrument :

MSVOA_U

ClientSampleId :

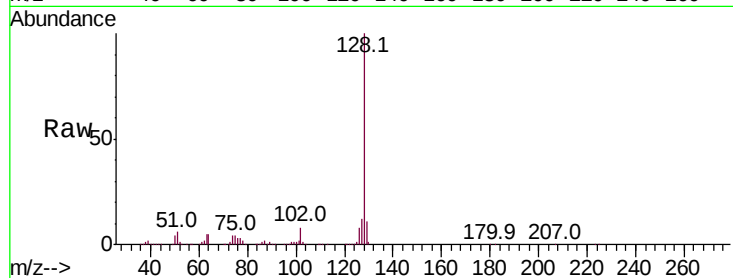
Tot Ion:128 Resp: 490474

Ion Ratio Lower Upper

128 100

127 12.5 10.7 16.1

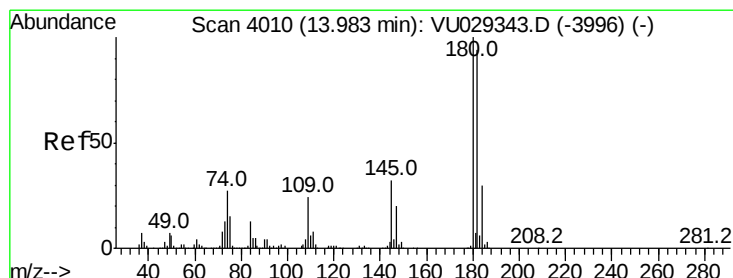
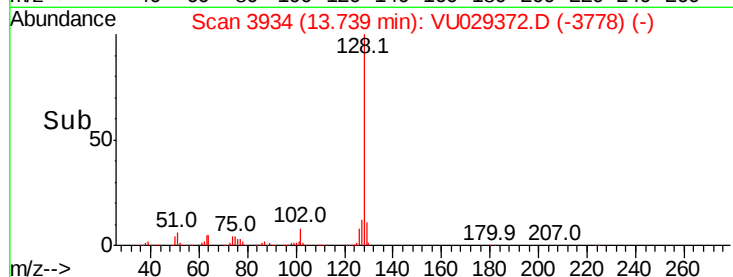
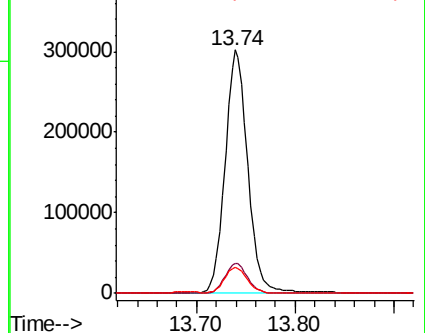
129 10.6 8.2 12.4



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#90

1,2,3-Trichlorobenzene

Concen: 11.805 ug/l

RT: 13.98 min Scan# 4010

Delta R.T. 0.00 min

Lab File: VU029372.D

Acq: 08 Feb 2019 10:27

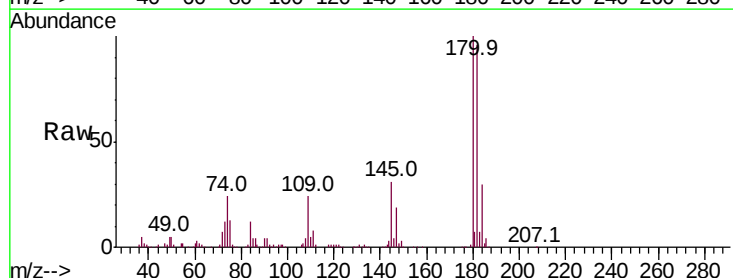
Tgt Ion:180 Resp: 268442

Ion Ratio Lower Upper

180 100

182 96.2 78.0 117.0

145 30.3 26.6 39.8



Abundance Ion 179.70 (179.40 to 180.40): V

Ion 181.70 (181.40 to 182.40): V

Ion 144.80 (144.50 to 145.50): V

