

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU020819\
 Data File : VU029385.D
 Acq On : 08 Feb 2019 19:31
 Operator : JC/SP
 Sample : VU0208WBS02
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Feb 09 03:21:49 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	52169	1.00	ug/l	0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.31	95	19845	0.97	ug/l	0.00
Spiked Amount 1.000			Recovery	=	97.00%	
68) 1,2-Dichlorobenzene-d4	11.86	152	21501	1.03	ug/l	0.00
Spiked Amount 1.000			Recovery	=	103.00%	
Target Compounds						
					Ovalue	
2) Dichlorodifluoromethane	1.21	85	34067	1.750	ug/l	98
3) Chloromethane	1.33	50	30005	1.687	ug/l	99
4) Vinyl Chloride	1.40	62	36276	1.739	ug/l	100
5) Bromomethane	1.63	94	26752	2.306	ug/l	100
6) Chloroethane	1.70	64	21572	1.770	ug/l	98
7) Trichlorofluoromethane	1.88	101	56467	1.939	ug/l	97
8) 1,1,2-Trichloro-1,2,2-trif	2.29	101	30508	1.984	ug/l	87
9) 1,1-Dichloroethene	2.29	96	28898	1.920	ug/l	71
10) Iodomethane	2.41	142	28848	1.542	ug/l #	79
11) Allyl Chloride	2.59	41	42707	1.692	ug/l	89
12) Acrylonitrile	2.93	53	11595	3.438	ug/l	97
13) Acetone	2.32	43	26554	8.168	ug/l #	84
14) Carbon Disulfide	2.48	76	95039	1.789	ug/l	98
15) Methylene Chloride	2.70	84	35940	1.969	ug/l #	74
16) trans-1,2-Dichloroethene	2.98	96	32712	1.944	ug/l #	78
17) 1,1-Dichloroethane	3.44	63	58498	2.193	ug/l	97
18) 2-Butanone	4.28	43	30877	8.498	ug/l	92
19) Cyclohexane	4.99	56	34818	1.408	ug/l #	82
20) Methylcyclohexane	6.41	83	48943	1.884	ug/l #	82
21) 2,2-Dichloropropane	4.22	77	44222	1.791	ug/l #	89
22) cis-1,2-Dichloroethene	4.22	96	31452	1.984	ug/l	76
23) Diethyl Ether	2.10	59	22083	1.827	ug/l	87
24) tert-Butyl Alcohol	2.83	59	24558	19.554	ug/l	96
25) Methyl tert-Butyl Ether	3.00	73	79763	1.882	ug/l #	85
26) Bromochloromethane	4.55	128	14263	2.037	ug/l	68
27) Chloroform	4.67	83	50325	1.940	ug/l	99
28) 1,1,1-Trichloroethane	4.91	97	46857	1.949	ug/l	94
29) 1,1-Dichloropropene	5.13	75	37695	1.806	ug/l	90
30) Carbon Tetrachloride	5.13	117	42154	1.937	ug/l	98
31) Isopropyl Ether	3.58	45	87327	2.170	ug/l	92
32) Ethyl-t-butyl ether	4.07	59	72453	1.797	ug/l	91
33) Tert-Amyl methyl ether	5.58	73	67626	1.855	ug/l	98
34) Propionitrile	4.33	54	9329	9.768	ug/l #	83
35) Benzene	5.39	78	108102	1.873	ug/l	100
36) 1,2-Dichloroethane	5.40	62	31600	1.810	ug/l #	88
37) Trichloroethene	6.18	130	33457	2.020	ug/l	84
38) 1,2-Dichloropropane	6.43	63	27465	1.829	ug/l	90
39) Methacrylonitrile	4.55	41	7212	1.475	ug/l #	83
40) Methyl acrylate	4.43	55	12518	1.696	ug/l #	84
41) Tetrahydrofuran	4.65	42	8153	3.309	ug/l #	77
42) 1-Chlorobutane	5.06	56	49662	1.776	ug/l	82

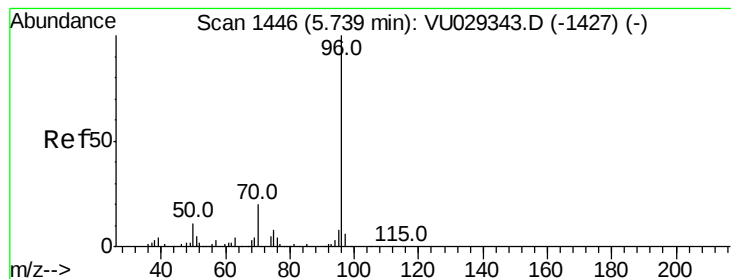
Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU020819\
 Data File : VU029385.D
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Quant Time: Feb 09 03:21:49 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA U\METHOD\524U020519DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Fri Feb 08 10:52:46 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Dibromomethane	6.56	93	14423	1.803	ug/l #	85
44) Bromodichloromethane	6.76	83	37209	1.825	ug/l	90
45) 4-Methyl-2-Pentanone	7.46	43	79948	8.525	ug/l #	89
46) t-1,4-Dichloro-2-butene	10.49	75	15038	3.291	ug/l #	83
47) Methyl methacrylate	6.63	69	25940	3.685	ug/l #	73
48) Ethyl methacrylate	8.02	69	28114	1.862	ug/l	78
49) Toluene	7.63	92	72421	1.961	ug/l	96
50) t-1,3-Dichloropropene	7.88	75	35016	1.752	ug/l	98
51) cis-1,3-Dichloropropene	7.27	75	42310	1.782	ug/l #	85
52) 1,1,2-Trichloroethane	8.07	97	20437	1.930	ug/l	98
53) 1,3-Dichloropropane	8.24	76	34596	1.859	ug/l	99
54) 2-Hexanone	8.36	43	53311	8.110	ug/l	86
55) Dibromochloromethane	8.48	129	28404	1.887	ug/l	99
56) 1,2-Dibromoethane	8.59	107	20398	1.877	ug/l	97
58) Tetrachloroethene	8.22	164	32013	2.077	ug/l	93
59) Chlorobenzene	9.12	112	82991	1.995	ug/l	98
60) 1,1,1,2-Tetrachloroethane	9.21	131	30271	1.969	ug/l	98
61) Pentachloroethane	11.10	117	22519	1.890	ug/l	86
62) Hexachloroethane	12.14	117	23773	1.828	ug/l	92
63) Ethyl Benzene	9.25	91	137909	1.909	ug/l	96
64) m/p-Xylenes	9.37	106	111604	3.975	ug/l	83
65) o-Xylene	9.78	106	53718	1.949	ug/l	87
66) Styrene	9.79	104	87679	1.909	ug/l	93
67) Bromoform	9.96	173	18204	1.944	ug/l	99
69) Isopropylbenzene	10.16	105	143740	1.952	ug/l	94
70) 1,1,2,2-Tetrachloroethane	10.46	83	26158	1.927	ug/l	98
71) 1,2,3-Trichloropropane	10.49	75	15038	1.613	ug/l #	70
72) Bromobenzene	10.45	156	37291	2.090	ug/l	83
73) n-propylbenzene	10.58	120	41157	2.007	ug/l	77
74) 2-Chlorotoluene	10.66	126	35462	2.031	ug/l	76
75) 1,3,5-Trimethylbenzene	10.77	105	119256	1.879	ug/l	96
76) 4-Chlorotoluene	10.77	126	36063	1.990	ug/l	75
77) tert-Butylbenzene	11.10	119	121149	1.931	ug/l	92
78) 1,2,4-Trimethylbenzene	11.15	105	122538	1.907	ug/l	94
79) sec-Butylbenzene	11.32	105	158876	1.935	ug/l	94
80) Nitrobenzene	13.02	77	191	0.316	ug/l	76
81) p-Isopropyltoluene	11.47	119	135658	1.949	ug/l	93
82) 1,3-Dichlorobenzene	11.42	146	71302	2.036	ug/l	96
83) 1,4-Dichlorobenzene	11.51	146	70834	2.031	ug/l	98
84) n-Butylbenzene	11.89	91	119734	1.875	ug/l #	96
85) 1,2-Dichlorobenzene	11.88	146	68048	2.055	ug/l	97
86) 1,2-Dibromo-3-Chloropropan	12.66	75	4246	1.676	ug/l #	60
87) 1,2,4-Trichlorobenzene	13.50	180	46784	2.012	ug/l	95
88) Hexachlorobutadiene	13.69	225	29657	2.202	ug/l	98
89) Naphthalene	13.74	128	80439	2.040	ug/l	98
90) 1,2,3-Trichlorobenzene	13.99	180	45383	2.136	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: VU029385.D

Acq: 08 Feb 2019 19:31

Instrument :

MSVOA_U

ClientSampleId :

Tot Ion: 96 Resp: 52169

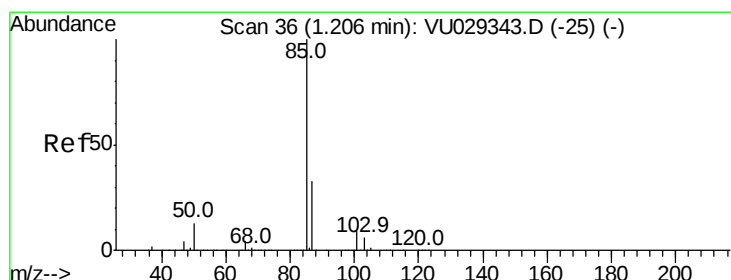
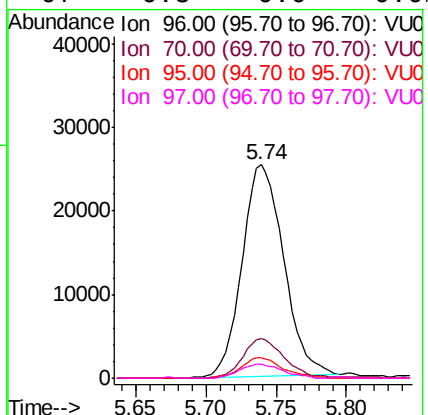
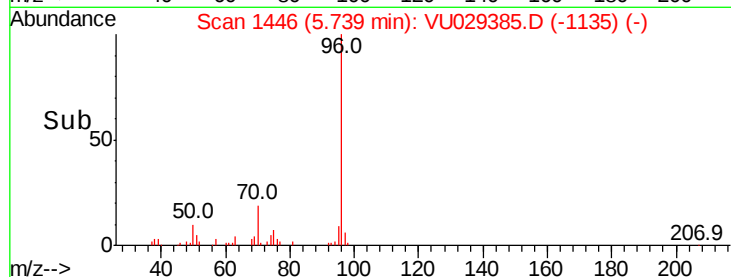
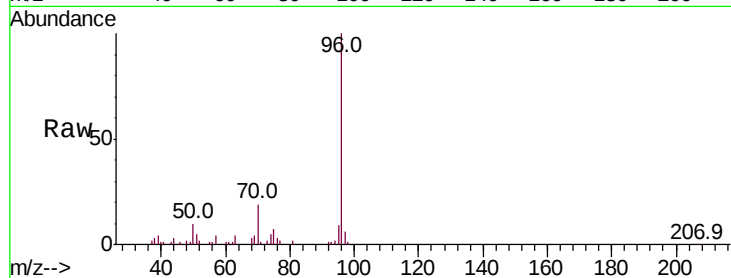
Ion Ratio Lower Upper

96 100

70 18.3 16.2 24.2

95 9.7 7.4 11.2

97 6.8 0.0 0.0#



#2

Dichlorodifluoromethane

Concen: 1.750 ug/l

RT: 1.21 min Scan# 36

Delta R.T. -0.00 min

Lab File: VU029385.D

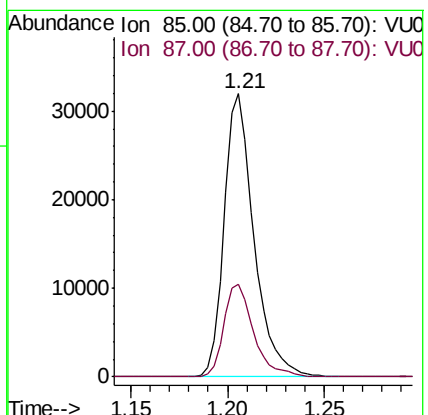
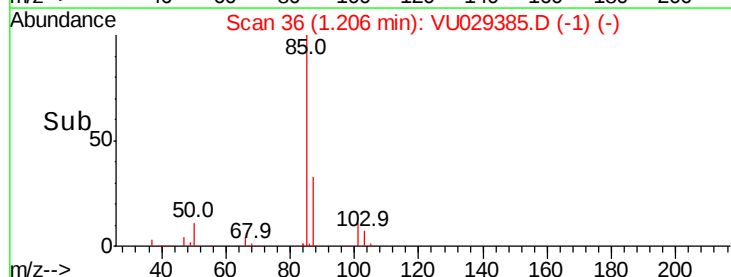
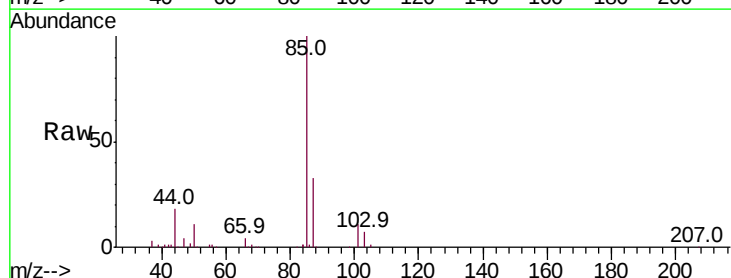
Acq: 08 Feb 2019 19:31

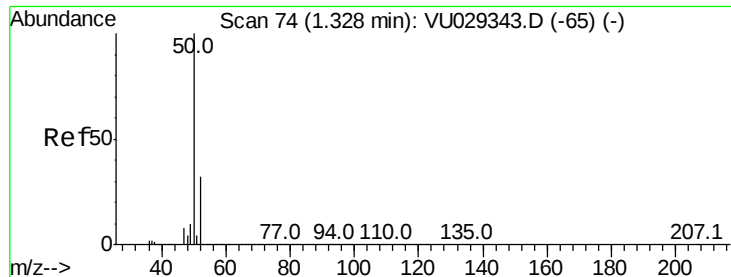
Tgt Ion: 85 Resp: 34067

Ion Ratio Lower Upper

85 100

87 32.8 15.9 47.6





#3

Chloromethane

Concen: 1.687 ug/l

RT: 1.33 min Scan# 74

Delta R.T. -0.00 min

Lab File: VU029385.D

Acq: 08 Feb 2019 19:31

Instrument :

MSVOA_U

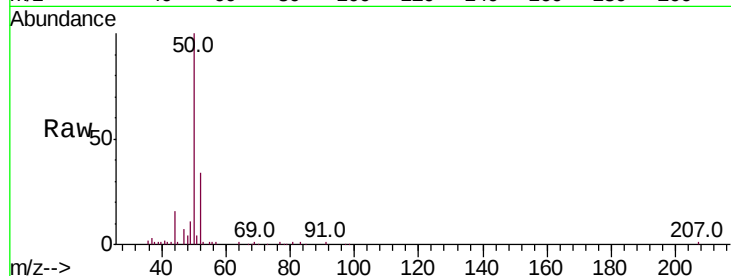
ClientSampleId :

Tot Ion: 50 Resp: 30005

Ion Ratio Lower Upper

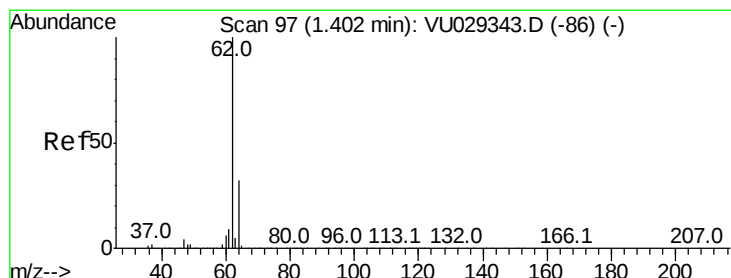
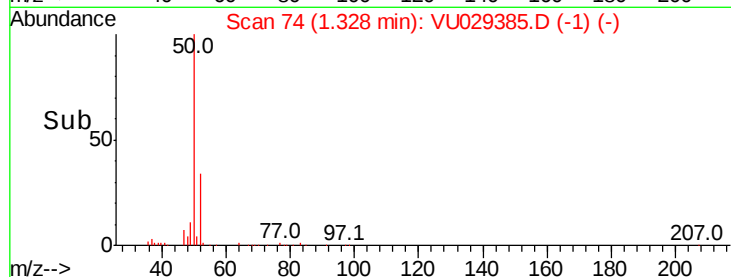
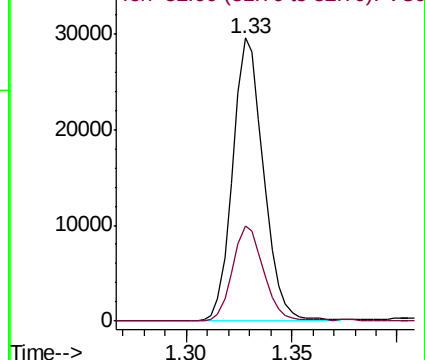
50 100

52 33.6 27.3 40.9



Abundance Ion 50.00 (49.70 to 50.70): VU0

Ion 52.00 (51.70 to 52.70): VU0



#4

Vinyl Chloride

Concen: 1.739 ug/l

RT: 1.40 min Scan# 97

Delta R.T. -0.00 min

Lab File: VU029385.D

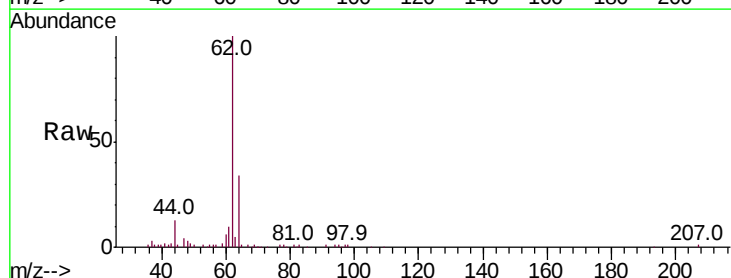
Acq: 08 Feb 2019 19:31

Tgt Ion: 62 Resp: 36276

Ion Ratio Lower Upper

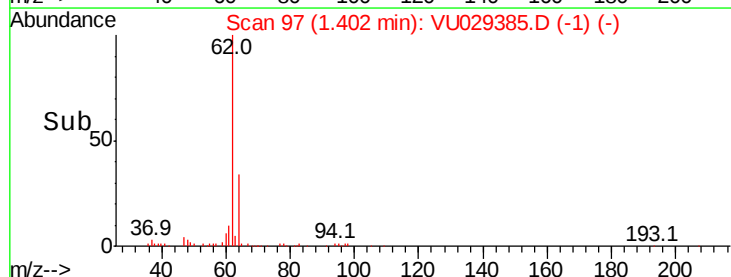
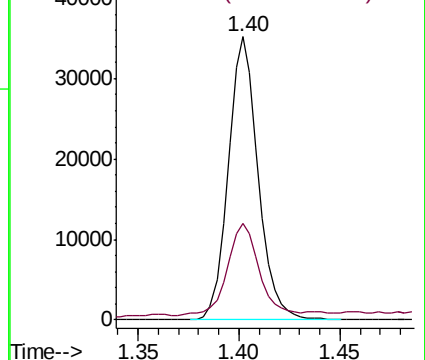
62 100

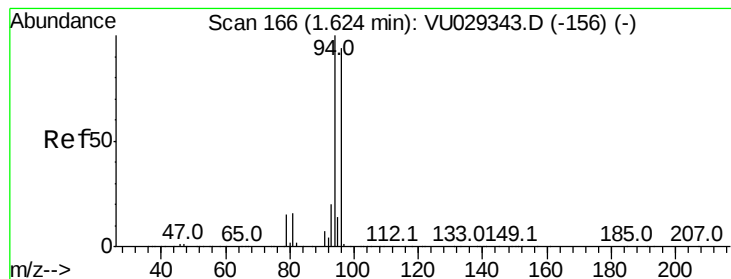
64 31.6 25.2 37.8



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 64.00 (63.70 to 64.70): VU0





#5

Bromomethane

Concen: 2.306 ug/l

RT: 1.63 min Scan# 167

Delta R.T. 0.00 min

Lab File: VU029385.D

Acq: 08 Feb 2019 19:31

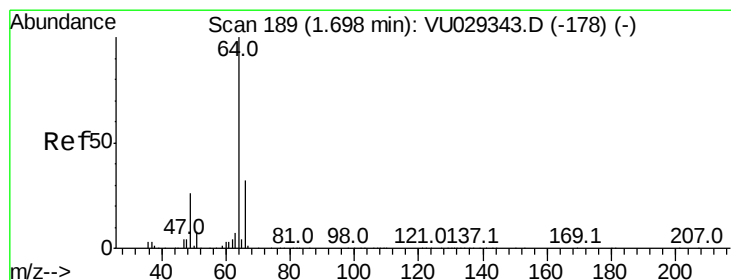
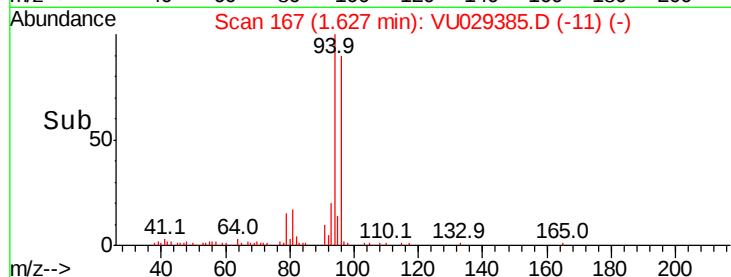
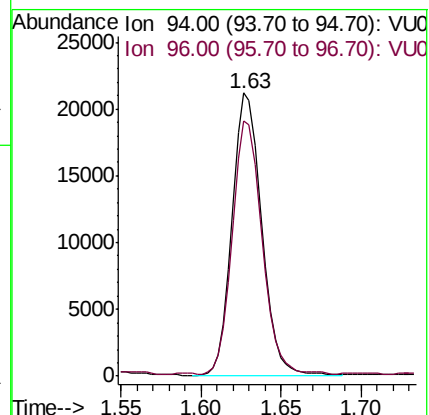
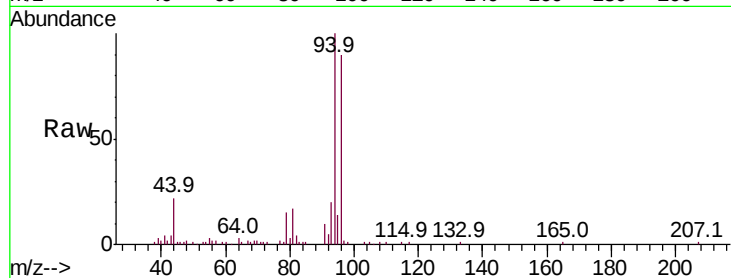
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 94 Resp: 26752

Ion Ratio Lower Upper

94 100

96 89.3 71.7 107.5



#6

Chloroethane

Concen: 1.770 ug/l

RT: 1.70 min Scan# 189

Delta R.T. -0.00 min

Lab File: VU029385.D

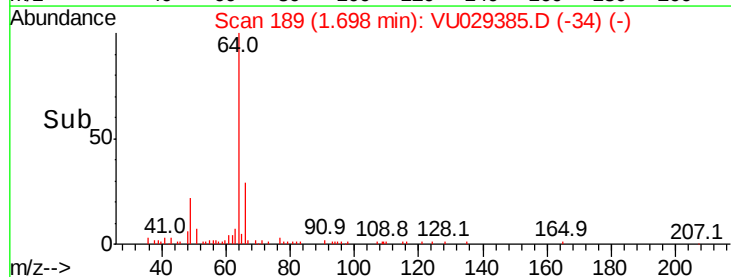
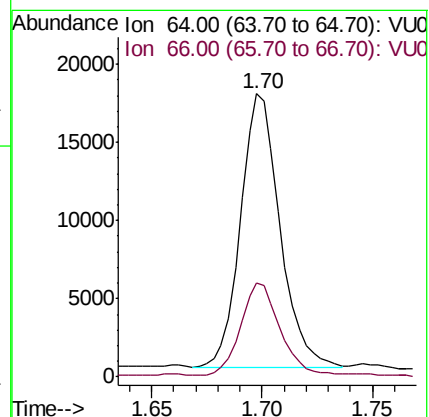
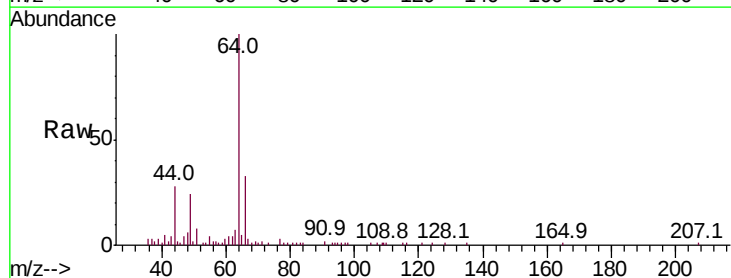
Acq: 08 Feb 2019 19:31

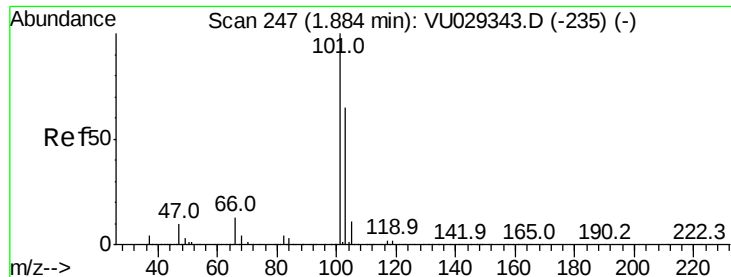
Tgt Ion: 64 Resp: 21572

Ion Ratio Lower Upper

64 100

66 33.9 26.3 39.5



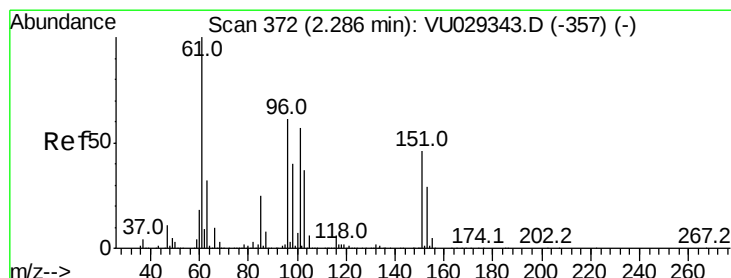
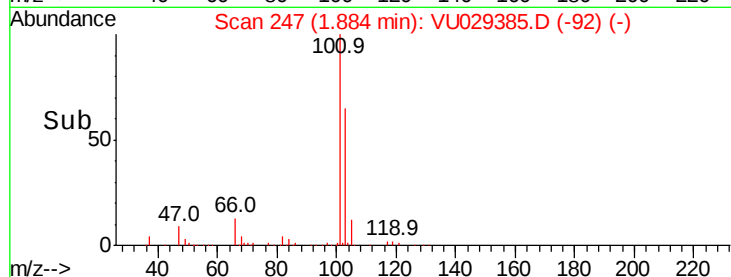
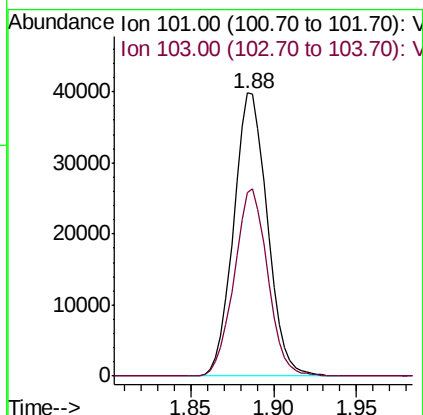
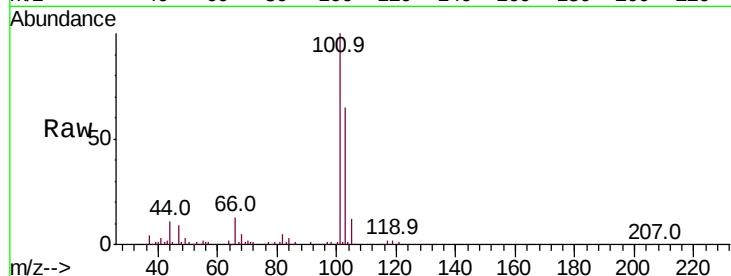


#7

Trichlorofluoromethane
Concen: 1.939 ug/l
RT: 1.88 min Scan# 247
Delta R.T. -0.00 min
Lab File: VU029385.D
Acq: 08 Feb 2019 19:31

Instrument :
MSVOA_U
ClientSampleId :

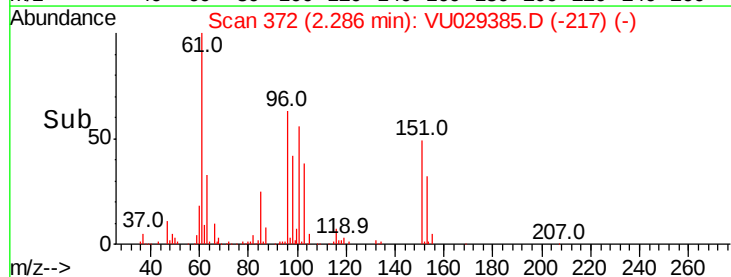
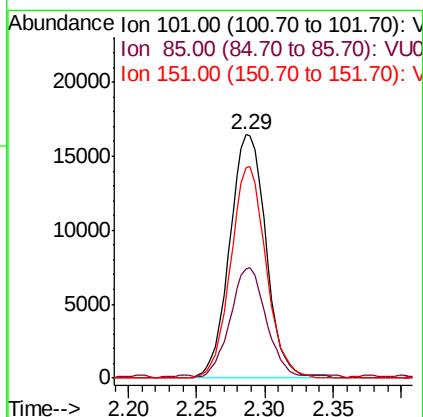
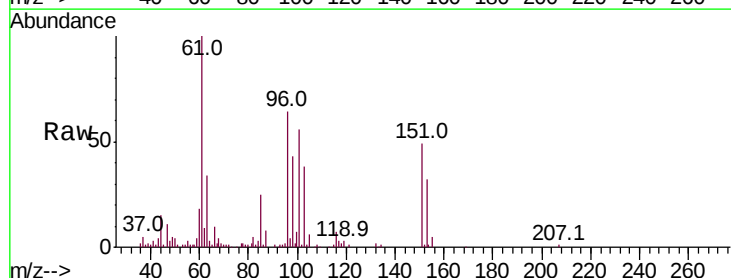
Tot Ion:101 Resp: 56467
Ion Ratio Lower Upper
101 100
103 64.7 53.9 80.9

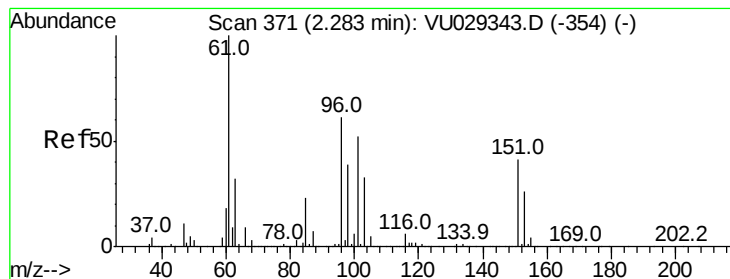


#8

1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 1.984 ug/l
RT: 2.29 min Scan# 372
Delta R.T. -0.00 min
Lab File: VU029385.D
Acq: 08 Feb 2019 19:31

Tgt Ion:101 Resp: 30508
Ion Ratio Lower Upper
101 100
85 43.1 40.3 60.5
151 84.3 58.1 87.1





#9

1,1-Dichloroethene

Concen: 1.920 ug/l

RT: 2.29 min Scan# 372

Delta R.T. 0.00 min

Lab File: VU029385.D

Acq: 08 Feb 2019 19:31

Instrument :
MSVOA_U
ClientSampled :

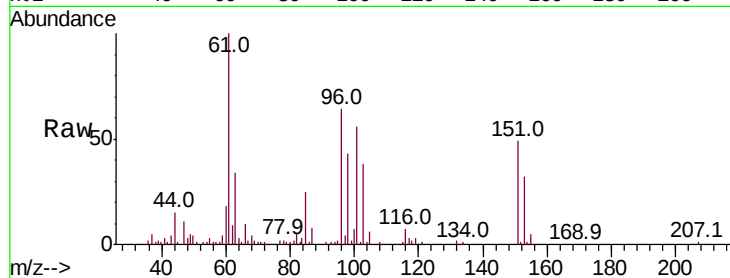
Tot Ion: 96 Resp: 28898

Ion Ratio Lower Upper

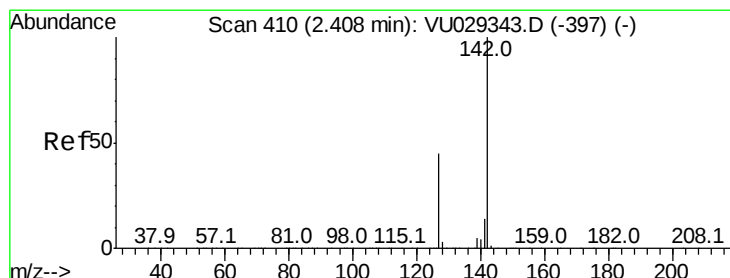
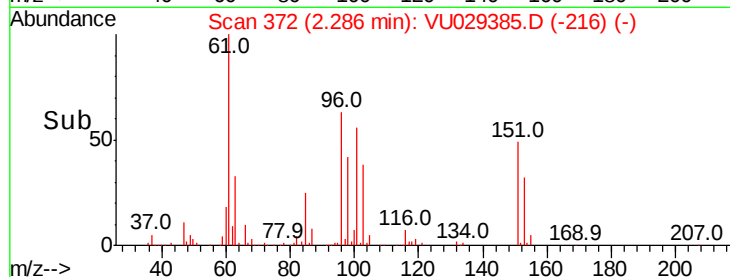
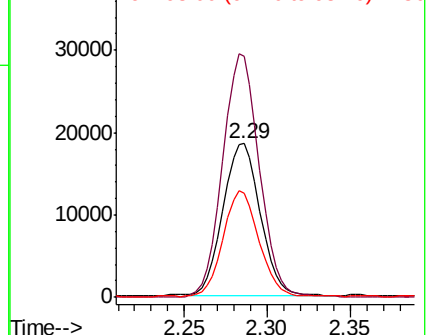
96 100

61 157.9 0.0 641.4

98 67.5 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: 1.542 ug/l

RT: 2.41 min Scan# 411

Delta R.T. 0.00 min

Lab File: VU029385.D

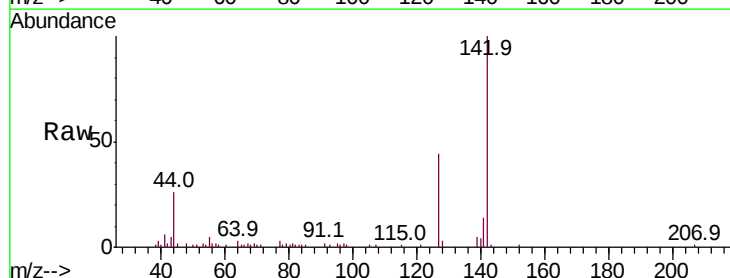
Acq: 08 Feb 2019 19:31

Tgt Ion:142 Resp: 28848

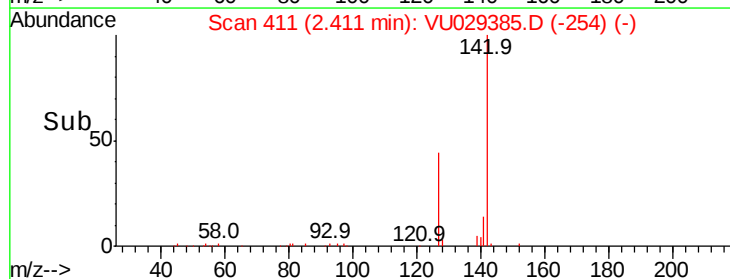
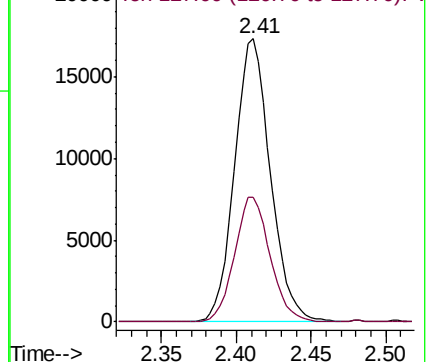
Ion Ratio Lower Upper

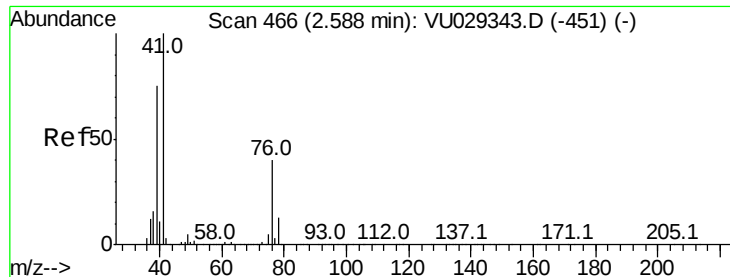
142 100

127 43.7 47.6 71.4#



Abundance Ion 142.00 (141.70 to 142.70): V
Ion 127.00 (126.70 to 127.70): V

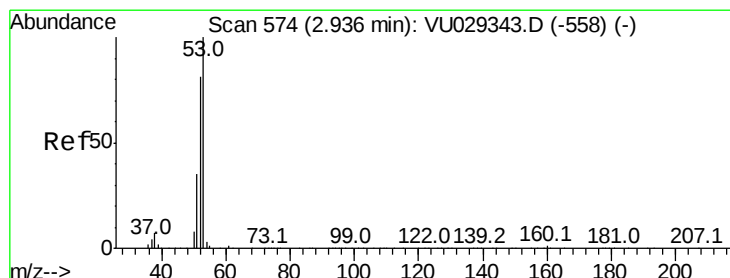
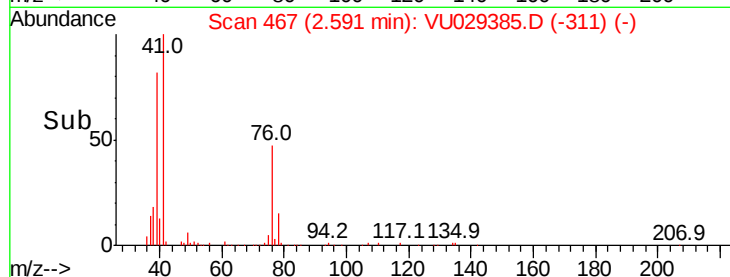
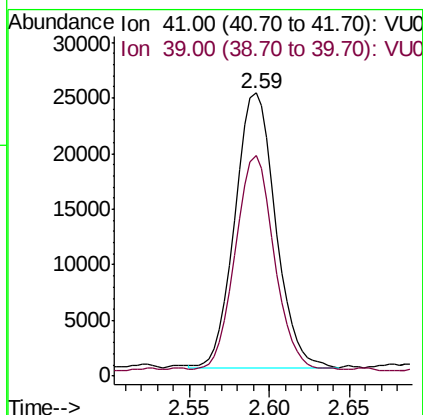
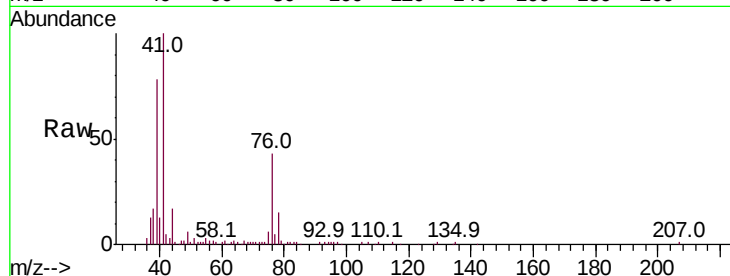




#11
Allvl Chloride
Concen: 1.692 ug/l
RT: 2.59 min Scan# 467
Delta R.T. 0.00 min
Lab File: VU029385.D
Acq: 08 Feb 2019 19:31

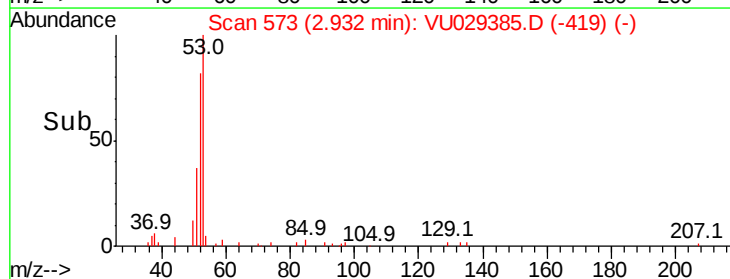
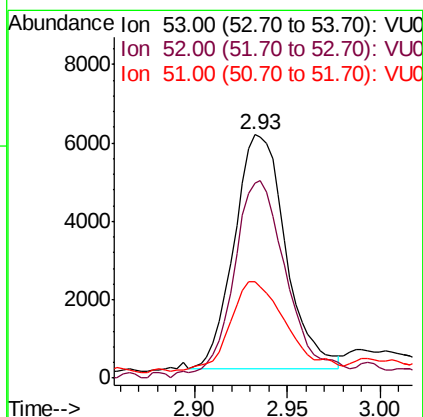
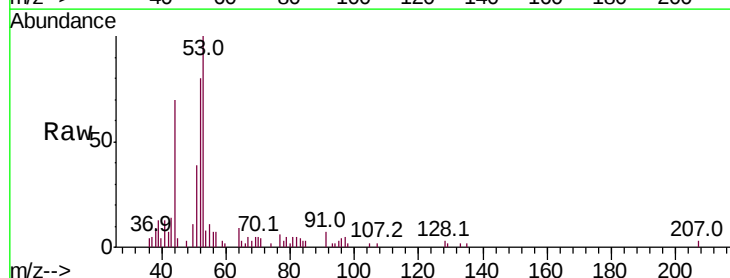
Instrument :
MSVOA_U
ClientSampled :

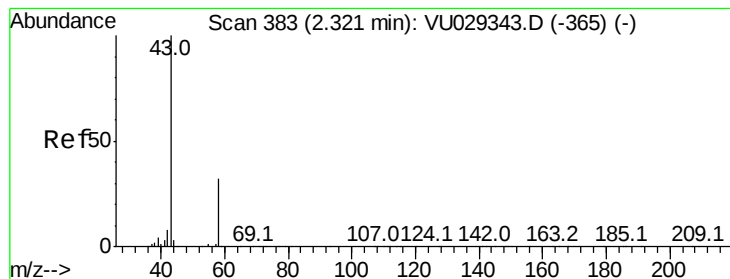
Tot Ion: 41 Resp: 42707
Ion Ratio Lower Upper
41 100
39 74.0 67.2 100.8



#12
Acrylonitrile
Concen: 3.438 ug/l
RT: 2.93 min Scan# 573
Delta R.T. -0.00 min
Lab File: VU029385.D
Acq: 08 Feb 2019 19:31

Tgt Ion: 53 Resp: 11595
Ion Ratio Lower Upper
53 100
52 87.8 67.6 101.4
51 40.5 31.0 46.4





#13

Acetone

Concen: 8.168 ug/l

RT: 2.32 min Scan# 382

Delta R.T. -0.00 min

Lab File: VU029385.D

Acq: 08 Feb 2019 19:31

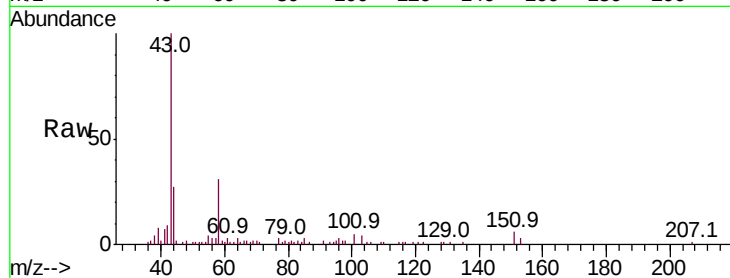
Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 43 Resp: 26554

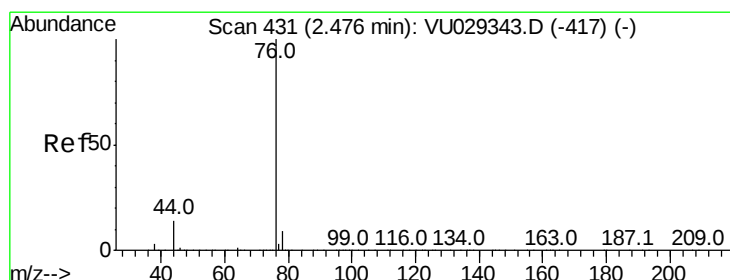
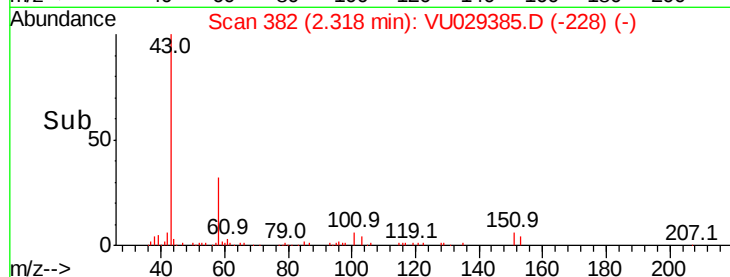
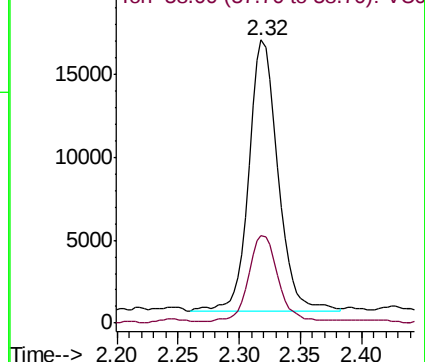
Ion Ratio Lower Upper

43 100

58 31.7 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: 1.789 ug/l

RT: 2.48 min Scan# 431

Delta R.T. -0.00 min

Lab File: VU029385.D

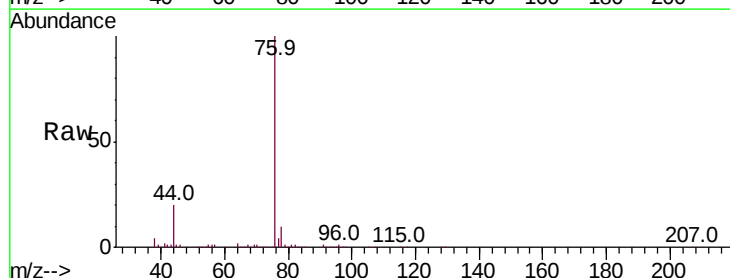
Acq: 08 Feb 2019 19:31

Tgt Ion: 76 Resp: 95039

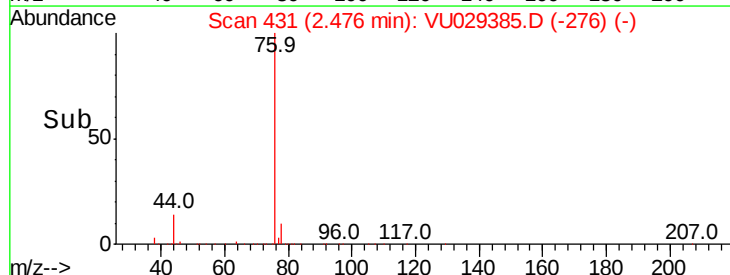
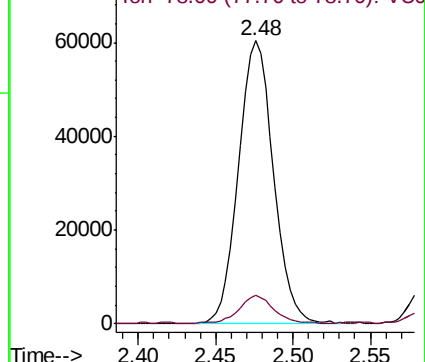
Ion Ratio Lower Upper

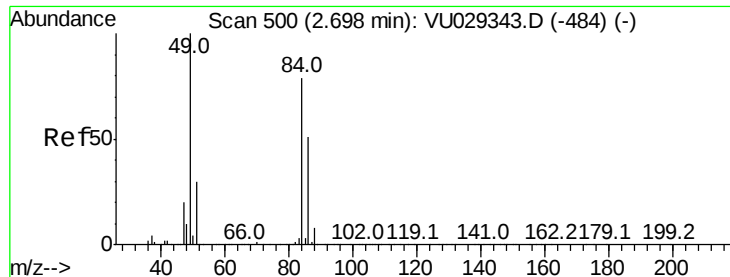
76 100

78 9.7 7.1 10.7



Abundance Ion 76.00 (75.70 to 76.70): VU0
Ion 78.00 (77.70 to 78.70): VU0

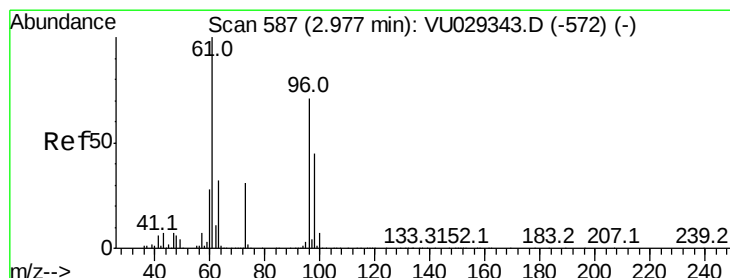
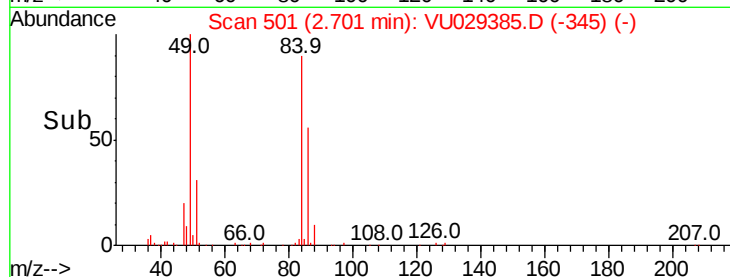
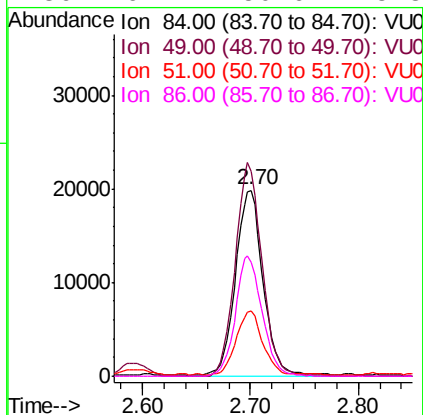
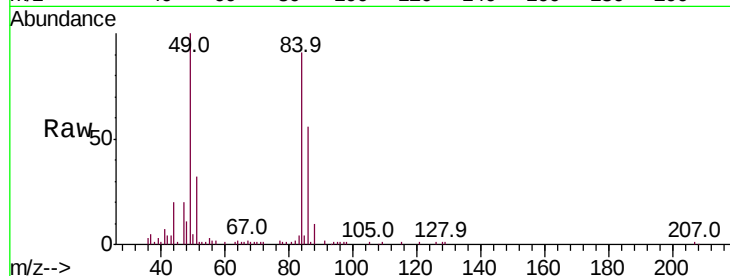




#15
Methvlene Chloride
Concen: 1.969 ug/l
RT: 2.70 min Scan# 501
Delta R.T. 0.00 min
Lab File: VU029385.D
Acq: 08 Feb 2019 19:31

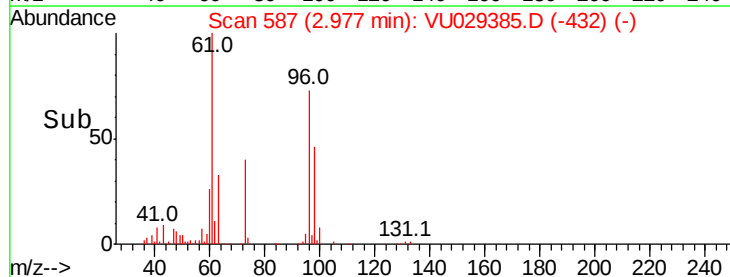
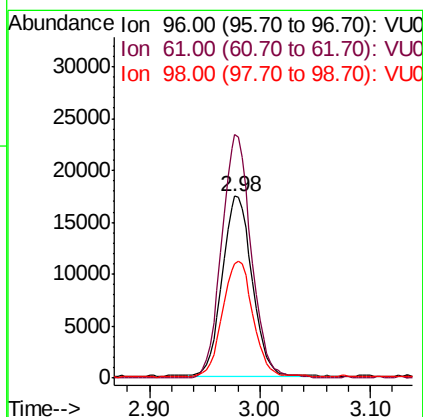
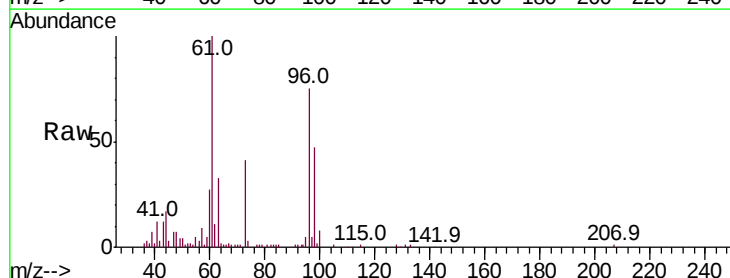
Instrument :
MSVOA_U
ClientSampleId :

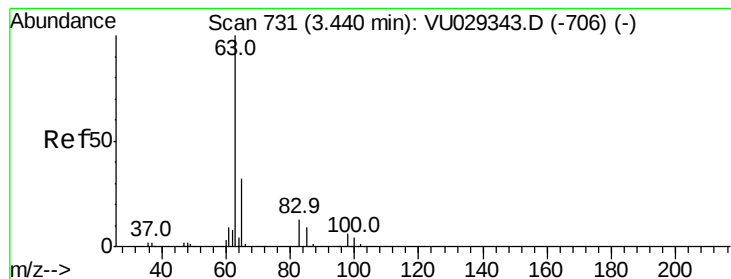
Tot Ion: 84 Resp: 35940
Ion Ratio Lower Upper
84 100
49 110.0 127.0 190.6#
51 34.0 0.0 93.4
86 61.4 50.6 75.8



#16
trans-1,2-Dichloroethene
Concen: 1.944 ug/l
RT: 2.98 min Scan# 587
Delta R.T. -0.00 min
Lab File: VU029385.D
Acq: 08 Feb 2019 19:31

Tgt Ion: 96 Resp: 32712
Ion Ratio Lower Upper
96 100
61 135.3 140.6 210.8#
98 62.4 49.3 73.9





#17

1,1-Dichloroethane

Concen: 2.193 ug/l

RT: 3.44 min Scan# 732

Delta R.T. 0.00 min

Lab File: VU029385.D

Acq: 08 Feb 2019 19:31

Instrument :
MSVOA_U
ClientSampleId :

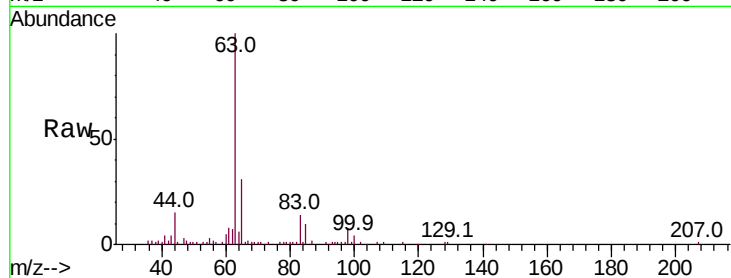
Tot Ion: 63 Resp: 58498

Ion Ratio Lower Upper

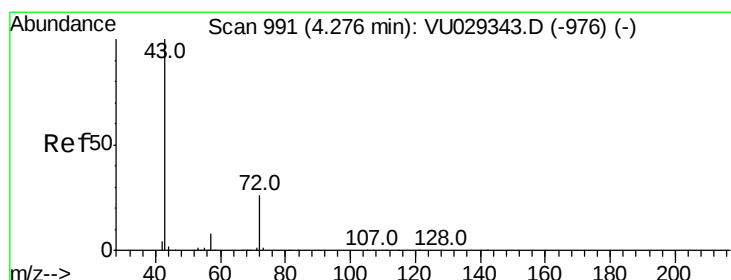
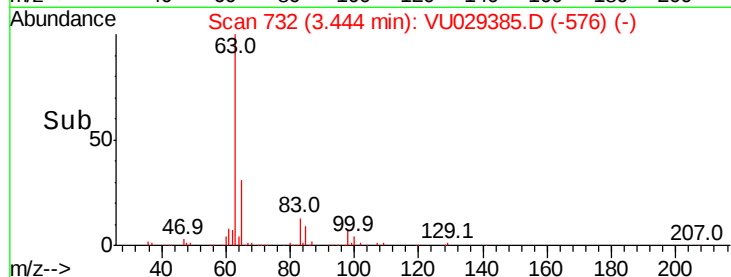
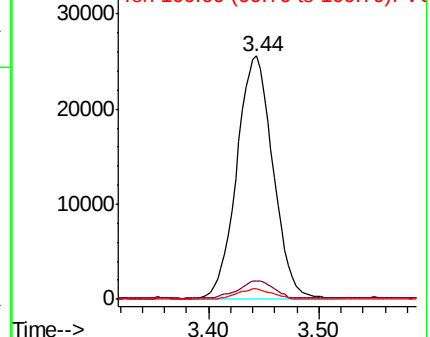
63 100

98 7.0 2.9 8.8

100 4.1 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: 8.498 ug/l

RT: 4.28 min Scan# 991

Delta R.T. -0.00 min

Lab File: VU029385.D

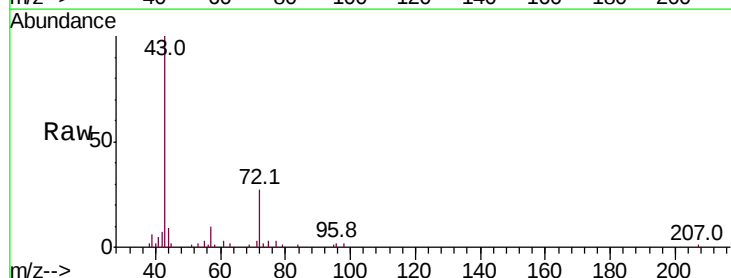
Acq: 08 Feb 2019 19:31

Tgt Ion: 43 Resp: 30877

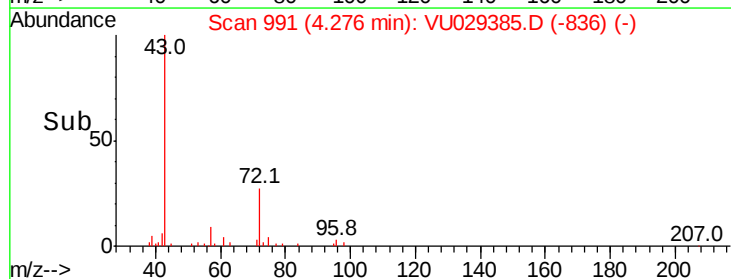
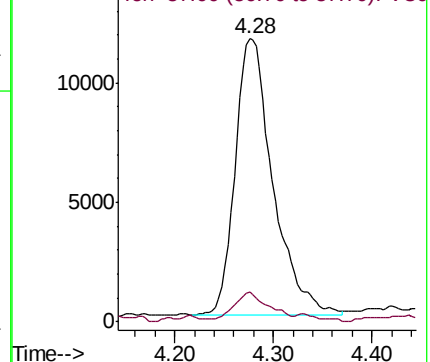
Ion Ratio Lower Upper

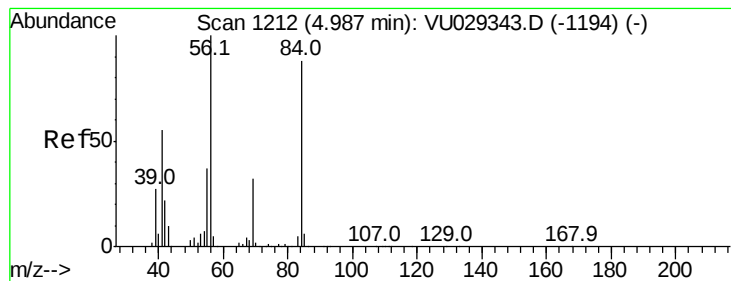
43 100

57 10.7 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: 1.408 ug/l

RT: 4.99 min Scan# 1212

Delta R.T. -0.00 min

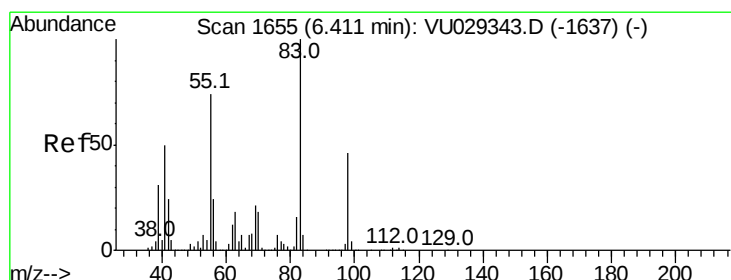
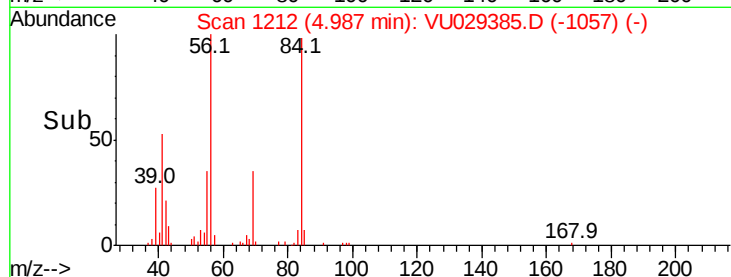
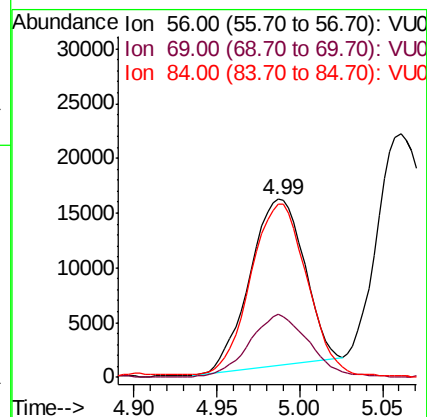
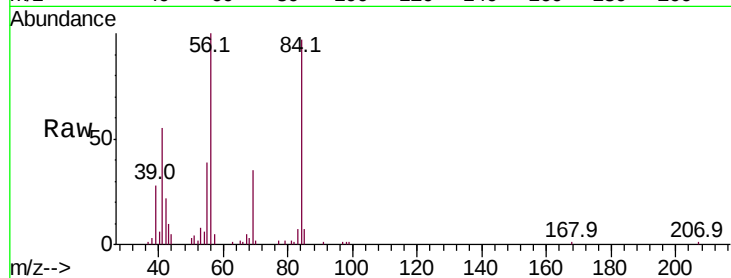
Lab File: VU029385.D

Acq: 08 Feb 2019 19:31

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 56 Resp: 34818

Ion	Ratio	Lower	Upper
56	100		
69	41.4	26.8	40.2#
84	107.1	71.5	107.3



#20

Methylcyclohexane

Concen: 1.884 ug/l

RT: 6.41 min Scan# 1655

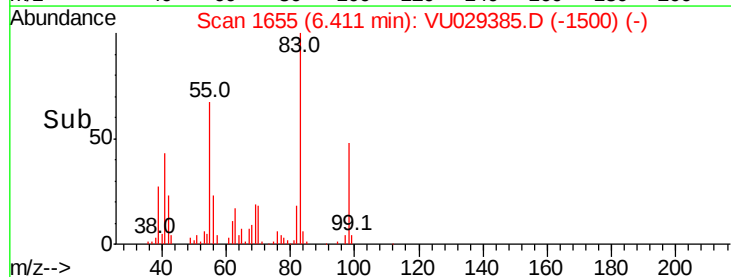
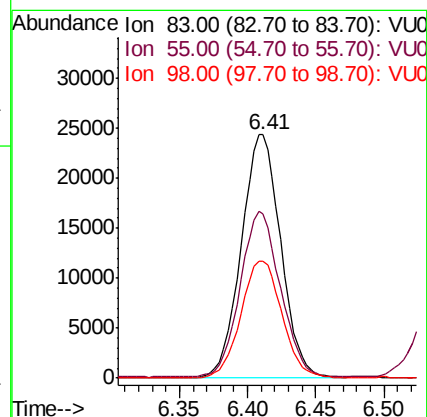
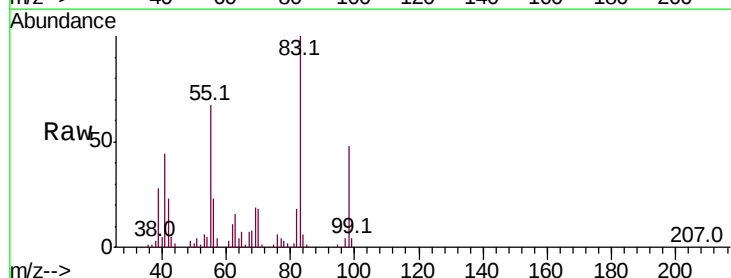
Delta R.T. -0.00 min

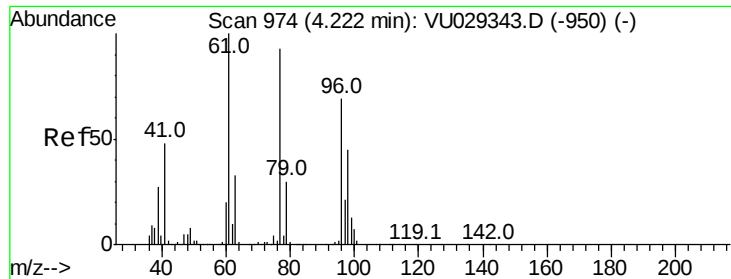
Lab File: VU029385.D

Acq: 08 Feb 2019 19:31

Tgt Ion: 83 Resp: 48943

Ion	Ratio	Lower	Upper
83	100		
55	68.5	72.4	108.6#
98	50.0	36.6	54.8





#21

2,2-Dichloropropane

Concen: 1.791 ug/l

RT: 4.22 min Scan# 973

Delta R.T. -0.00 min

Lab File: VU029385.D

Acq: 08 Feb 2019 19:31

Instrument :

MSVOA_U

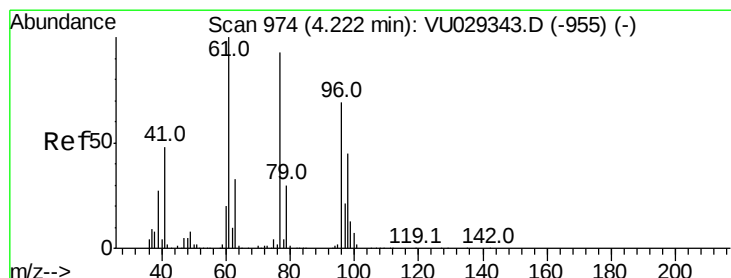
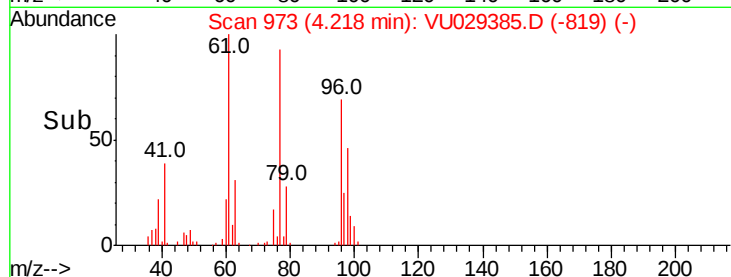
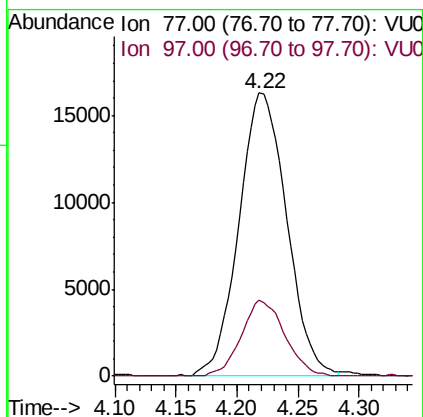
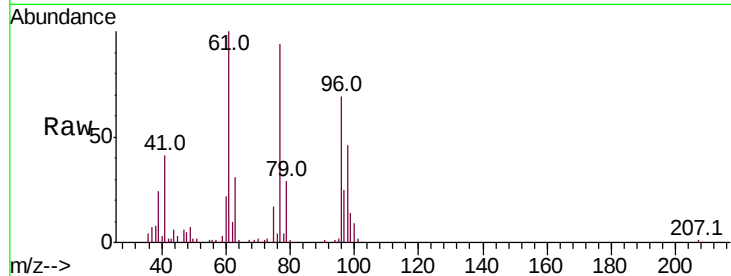
ClientSampleId :

Tot Ion: 77 Resp: 44222

Ion Ratio Lower Upper

77 100

97 24.4 15.6 23.4#



#22

cis-1,2-Dichloroethene

Concen: 1.984 ug/l

RT: 4.22 min Scan# 974

Delta R.T. -0.00 min

Lab File: VU029385.D

Acq: 08 Feb 2019 19:31

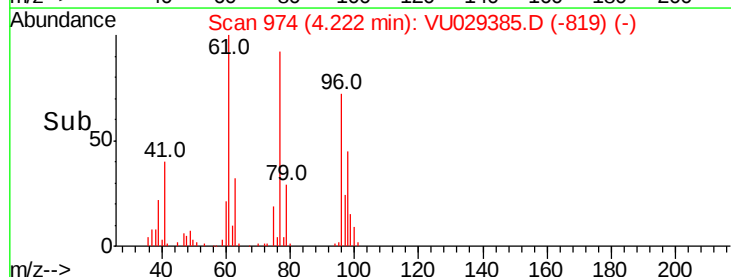
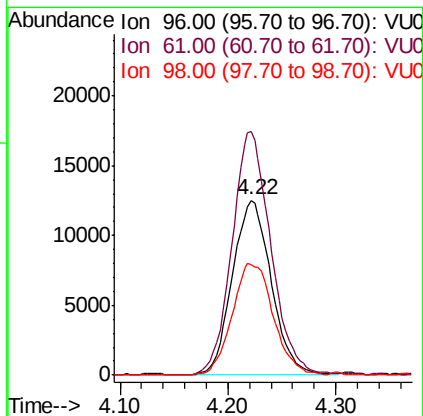
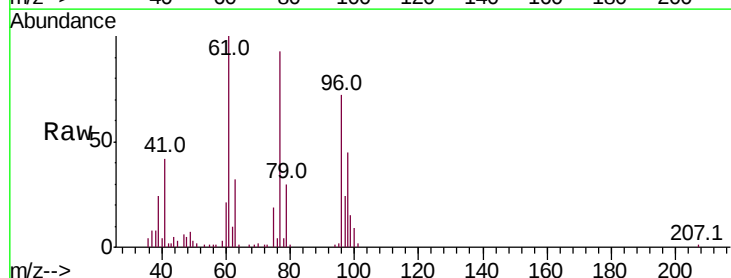
Tgt Ion: 96 Resp: 31452

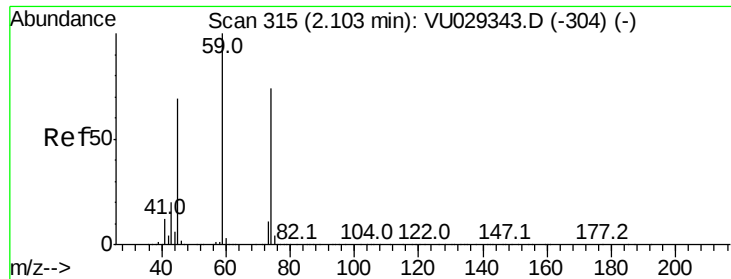
Ion Ratio Lower Upper

96 100

61 138.8 0.0 460.0

98 67.2 32.6 97.7





#23

Diethyl Ether

Concen: 1.827 ug/l

RT: 2.10 min Scan# 315

Delta R.T. -0.00 min

Lab File: VU029385.D

Acq: 08 Feb 2019 19:31

Instrument :
MSVOA_U
ClientSampleId :

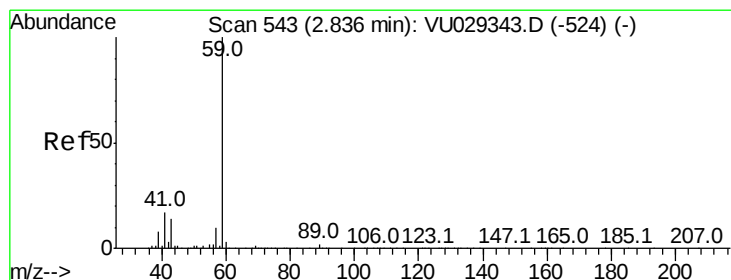
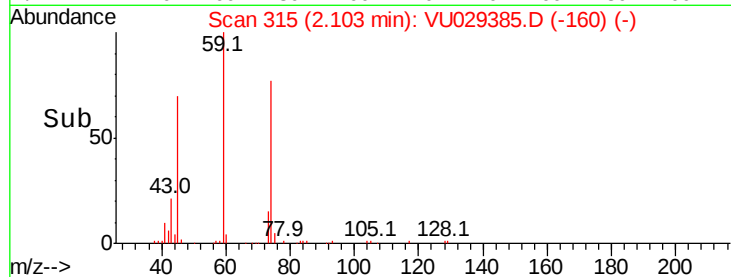
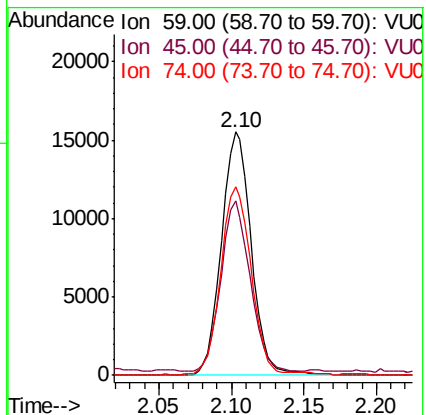
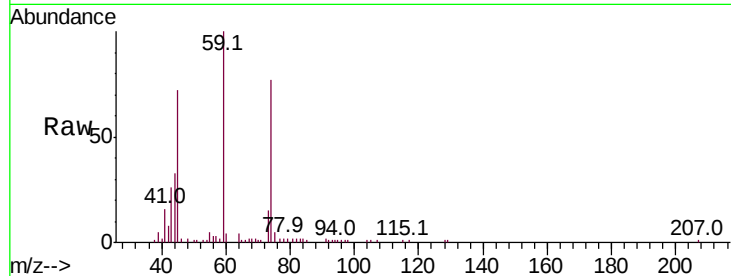
Tot Ion: 59 Resp: 22083

Ion Ratio Lower Upper

59 100

45 69.0 64.2 96.4

74 80.2 55.3 82.9



#24

tert-Butyl Alcohol

Concen: 19.554 ug/l

RT: 2.83 min Scan# 541

Delta R.T. -0.01 min

Lab File: VU029385.D

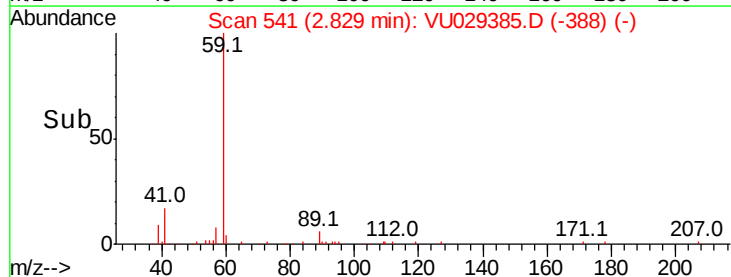
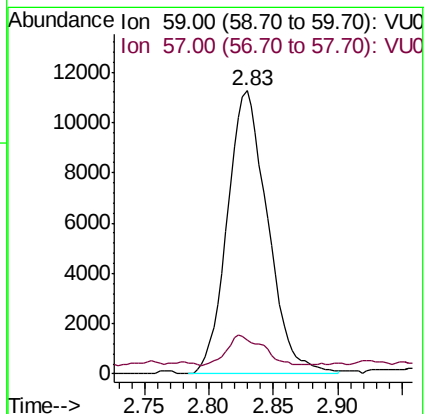
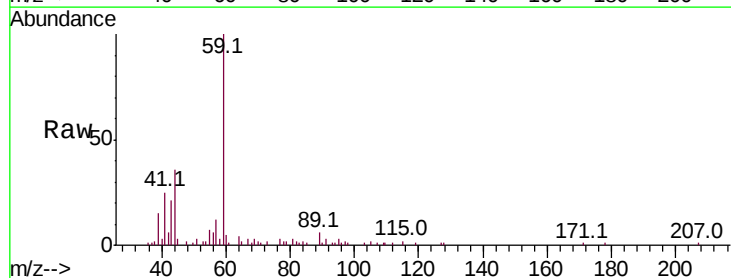
Acq: 08 Feb 2019 19:31

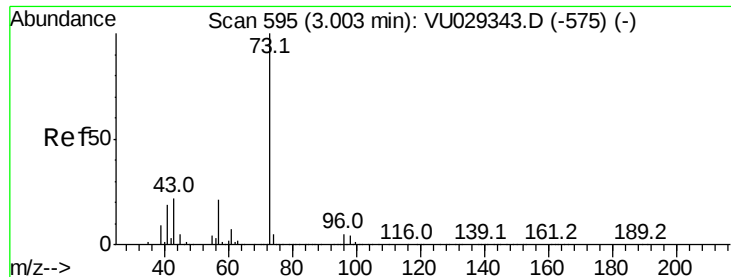
Tgt Ion: 59 Resp: 24558

Ion Ratio Lower Upper

59 100

57 9.4 8.8 13.2



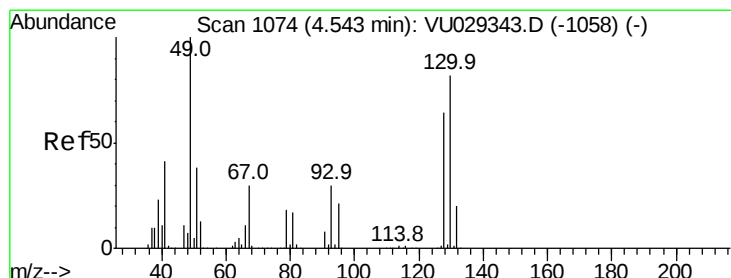
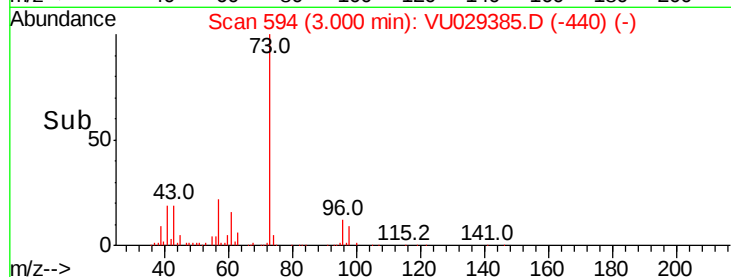
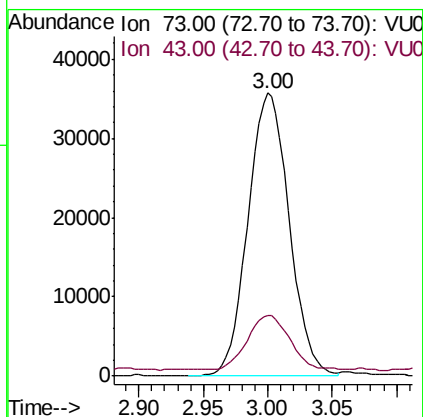
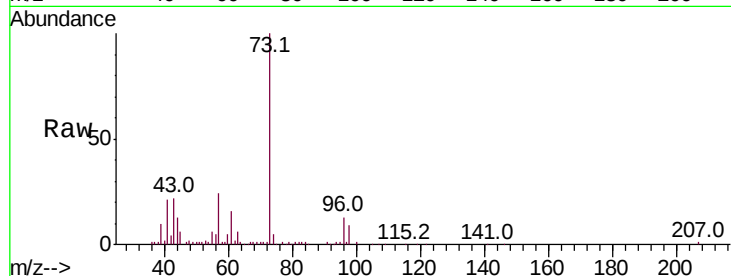


#25

Methyl tert-Butyl Ether
 Concen: 1.882 ug/l
 RT: 3.00 min Scan# 594
 Delta R.T. -0.00 min
 Lab File: VU029385.D
 Acq: 08 Feb 2019 19:31

Instrument :
 MSVOA_U
 ClientSampleId :

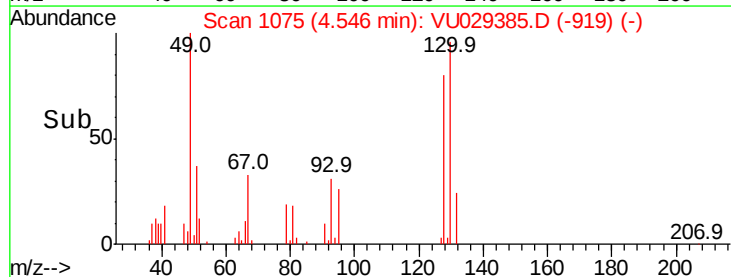
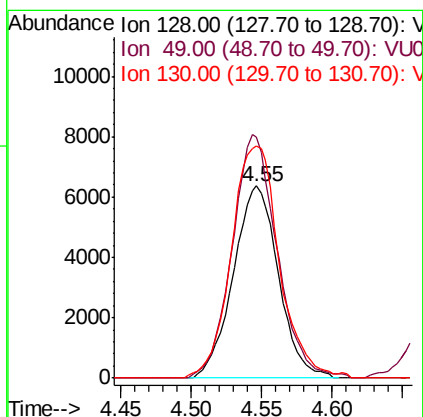
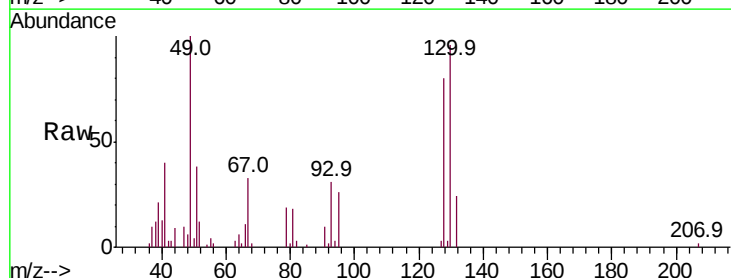
Tot Ion: 73 Resp: 79763
 Ion Ratio Lower Upper
 73 100
 43 19.8 22.1 33.1#

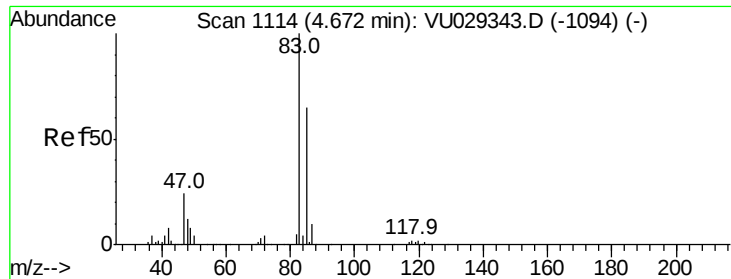


#26

Bromochloromethane
 Concen: 2.037 ug/l
 RT: 4.55 min Scan# 1075
 Delta R.T. 0.00 min
 Lab File: VU029385.D
 Acq: 08 Feb 2019 19:31

Tgt Ion: 128 Resp: 14263
 Ion Ratio Lower Upper
 128 100
 49 126.1 0.0 401.6
 130 128.7 108.0 162.0





#27

Chloroform

Concen: 1.940 ug/l

RT: 4.67 min Scan# 1113

Delta R.T. -0.00 min

Lab File: VU029385.D

Acq: 08 Feb 2019 19:31

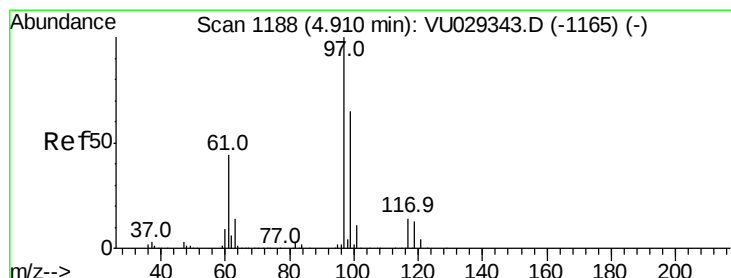
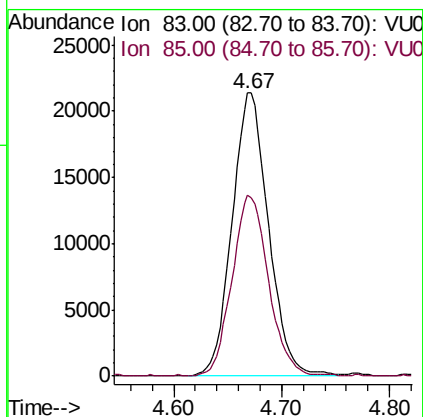
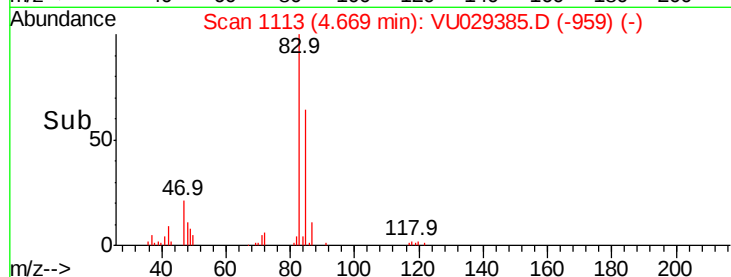
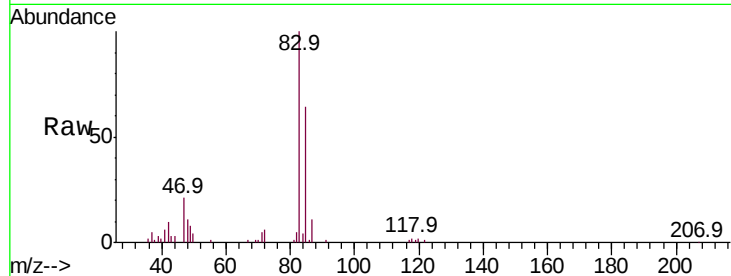
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 83 Resp: 50325

Ion Ratio Lower Upper

83 100

85 64.0 0.0 126.6



#28

1,1,1-Trichloroethane

Concen: 1.949 ug/l

RT: 4.91 min Scan# 1188

Delta R.T. -0.00 min

Lab File: VU029385.D

Acq: 08 Feb 2019 19:31

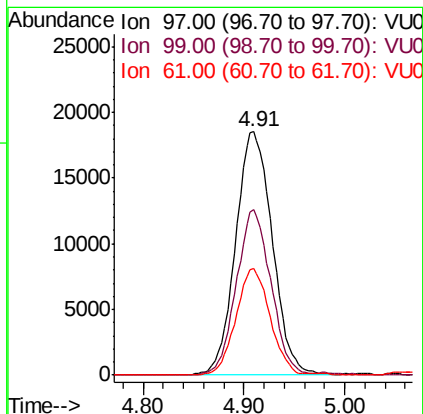
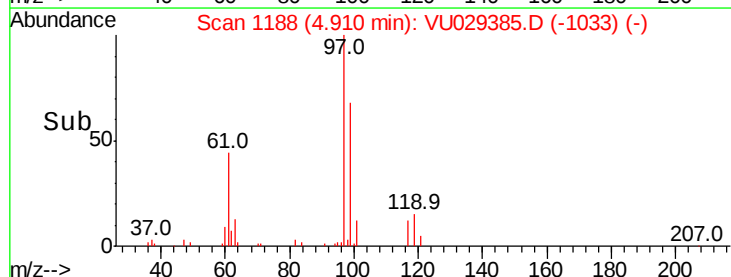
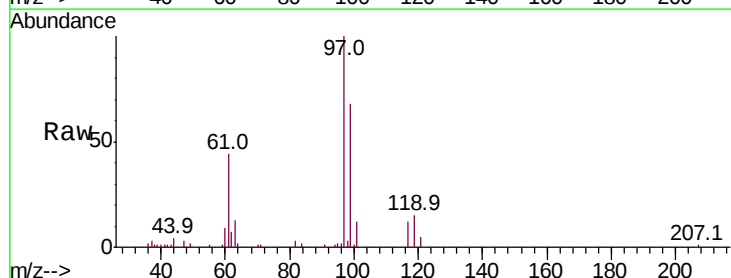
Tgt Ion: 97 Resp: 46857

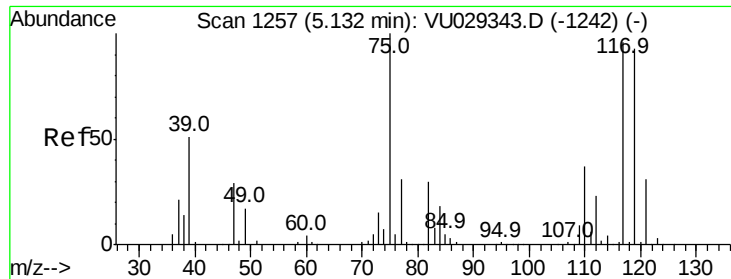
Ion Ratio Lower Upper

97 100

99 63.9 32.4 97.2

61 41.1 24.4 73.2

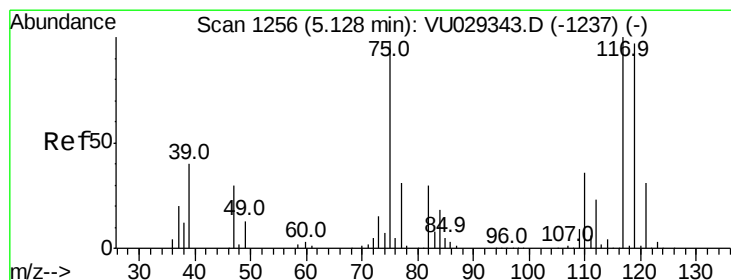
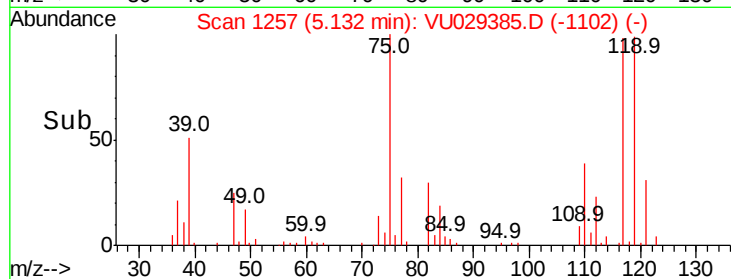
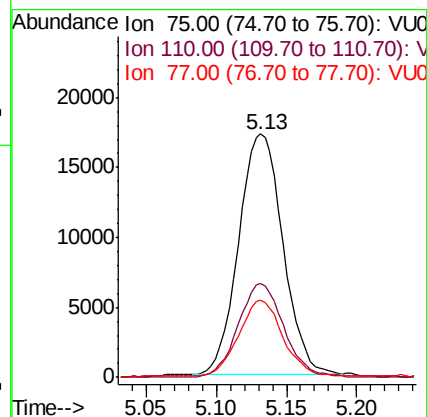
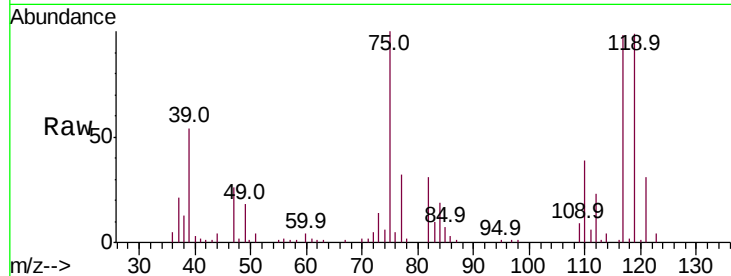




#29
 1,1-Dichloropropene
 Concen: 1.806 ug/l
 RT: 5.13 min Scan# 1257
 Delta R.T. -0.00 min
 Lab File: VU029385.D
 Acq: 08 Feb 2019 19:31

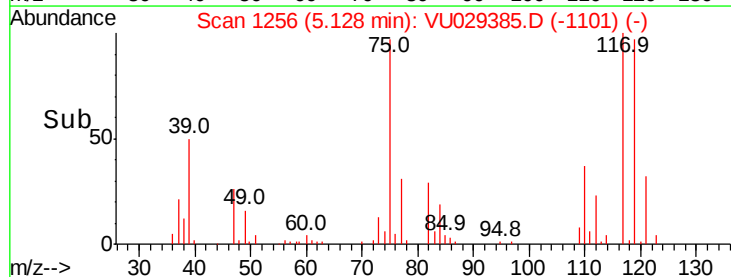
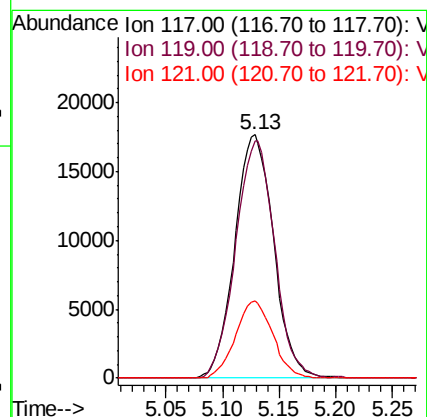
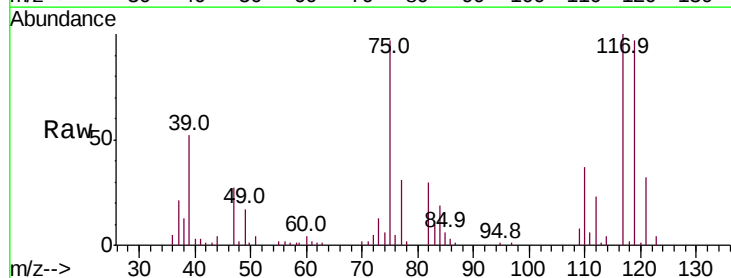
Instrument :
 MSVOA_U
 ClientSampleId :

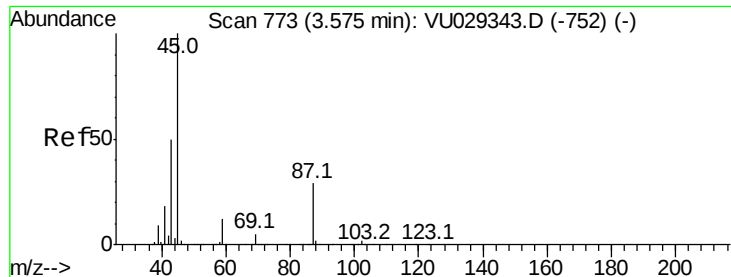
Tot Ion	Ratio	Lower	Upper
75	100		
110	40.4	15.4	46.2
77	31.2	24.1	36.1



#30
 Carbon Tetrachloride
 Concen: 1.937 ug/l
 RT: 5.13 min Scan# 1256
 Delta R.T. -0.00 min
 Lab File: VU029385.D
 Acq: 08 Feb 2019 19:31

Tgt Ion	Ratio	Lower	Upper
117	100		
119	97.5	76.8	115.2
121	31.7	24.4	36.6





#31

Isopropyl Ether

Concen: 2.170 ug/l

RT: 3.58 min Scan# 773

Delta R.T. -0.00 min

Lab File: VU029385.D

Acq: 08 Feb 2019 19:31

Instrument :

MSVOA_U

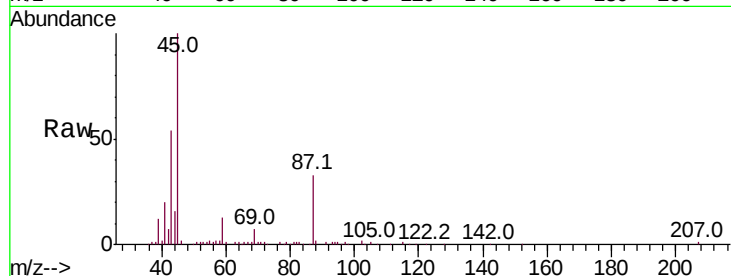
ClientSampleId :

Tot Ion: 45 Resp: 87327

Ion Ratio Lower Upper

45 100

43 51.2 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

30000

20000

10000

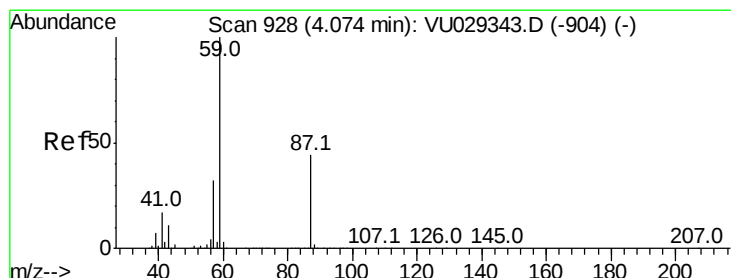
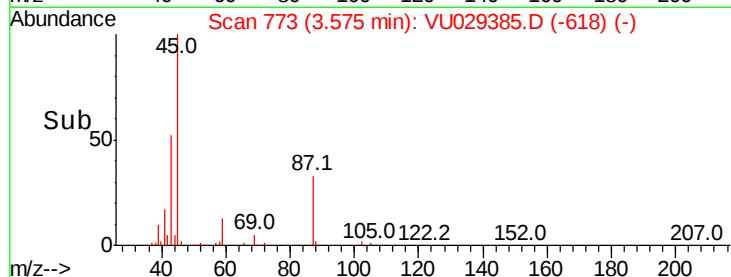
0

Time-->

3.50

3.60

3.70



#32

Ethyl-t-butyl ether

Concen: 1.797 ug/l

RT: 4.07 min Scan# 928

Delta R.T. -0.00 min

Lab File: VU029385.D

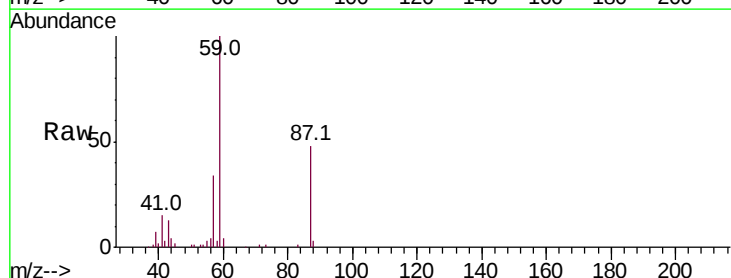
Acq: 08 Feb 2019 19:31

Tgt Ion: 59 Resp: 72453

Ion Ratio Lower Upper

59 100

87 44.2 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

30000

25000

20000

15000

10000

5000

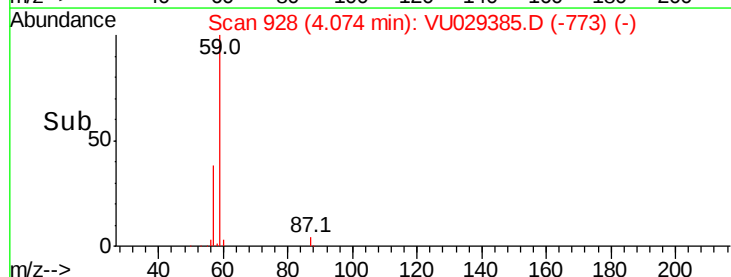
0

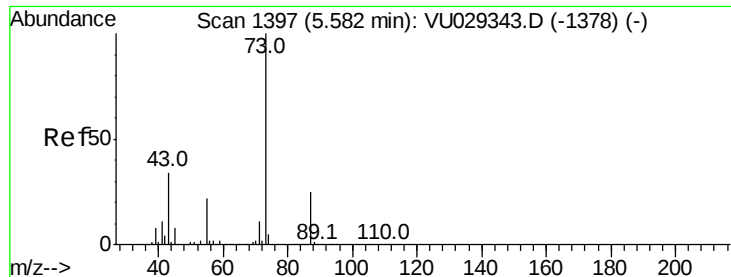
Time-->

4.00

4.10

4.20



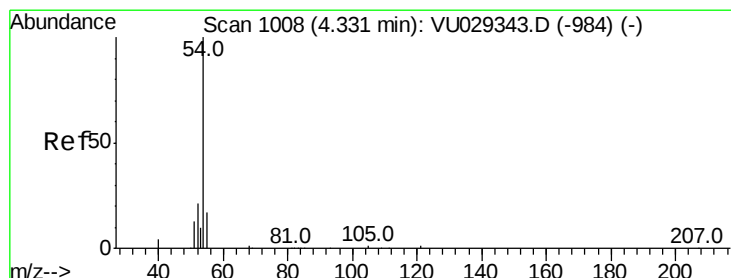
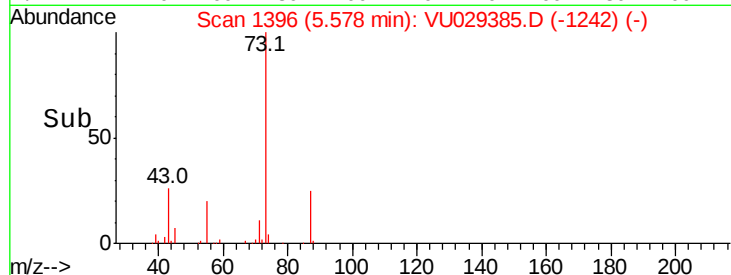
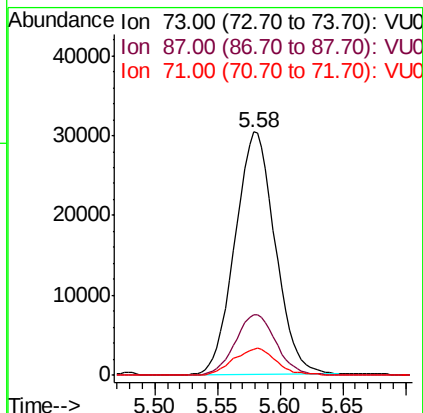
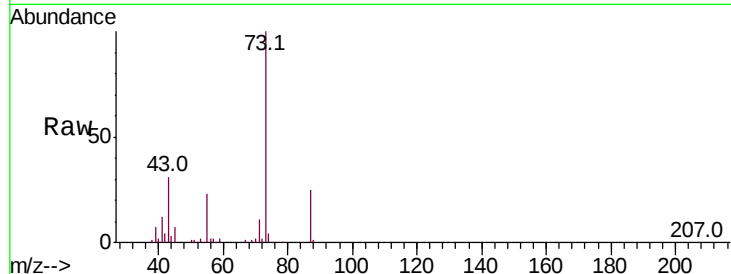


#33

Tert-Amvl methvl ether
 Concen: 1.855 ug/l
 RT: 5.58 min Scan# 1396
 Delta R.T. -0.00 min
 Lab File: VU029385.D
 Acq: 08 Feb 2019 19:31

Instrument :
 MSVOA_U
 ClientSampleId :

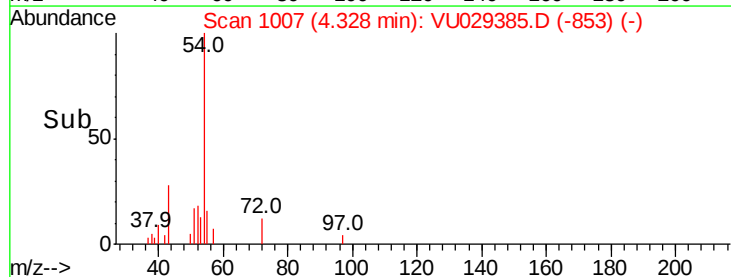
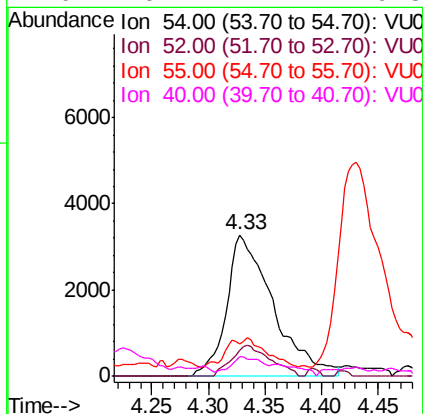
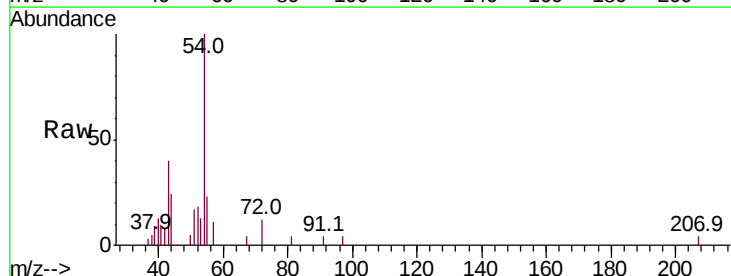
Tot Ion: 73 Resp: 67626
 Ion Ratio Lower Upper
 73 100
 87 25.5 19.4 29.0
 71 11.8 9.0 13.4

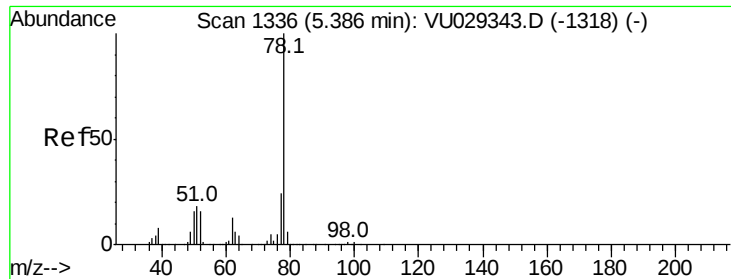


#34

Propionitrile
 Concen: 9.768 ug/l
 RT: 4.33 min Scan# 1007
 Delta R.T. -0.00 min
 Lab File: VU029385.D
 Acq: 08 Feb 2019 19:31

Tgt Ion: 54 Resp: 9329
 Ion Ratio Lower Upper
 54 100
 52 18.0 18.9 28.3#
 55 6.4 15.1 22.7#
 40 6.4 7.2 10.8#





#35

Benzene

Concen: 1.873 ug/l

RT: 5.39 min Scan# 1336

Delta R.T. -0.00 min

Lab File: VU029385.D

Acq: 08 Feb 2019 19:31

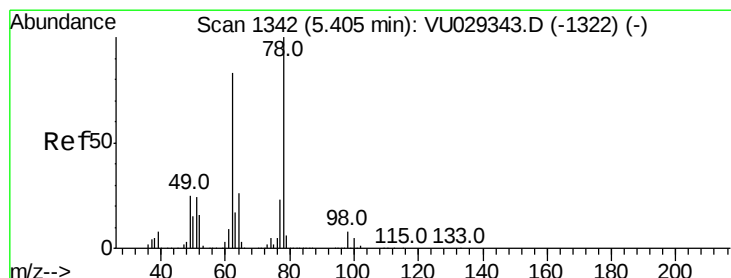
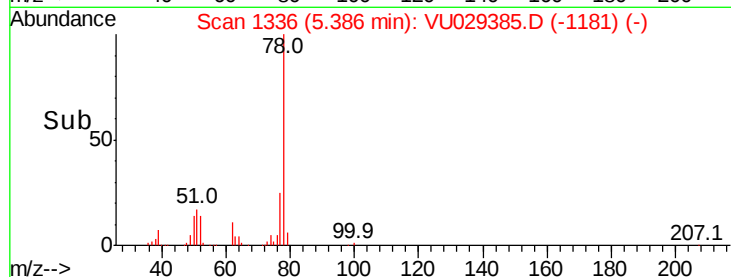
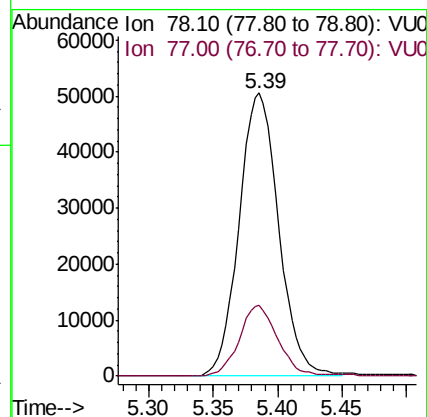
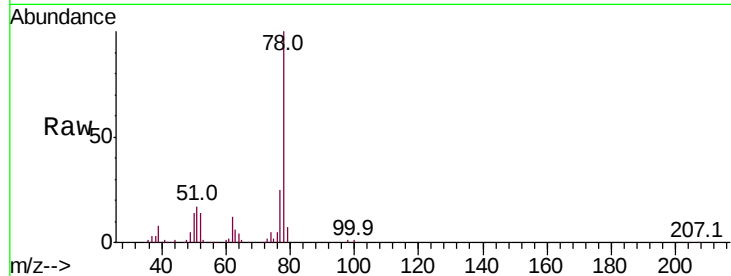
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 78 Resp: 108102

Ion Ratio Lower Upper

78 100

77 25.0 19.8 29.8



#36

1,2-Dichloroethane

Concen: 1.810 ug/l

RT: 5.40 min Scan# 1342

Delta R.T. -0.00 min

Lab File: VU029385.D

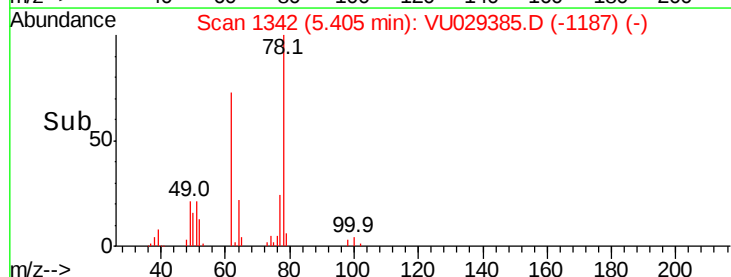
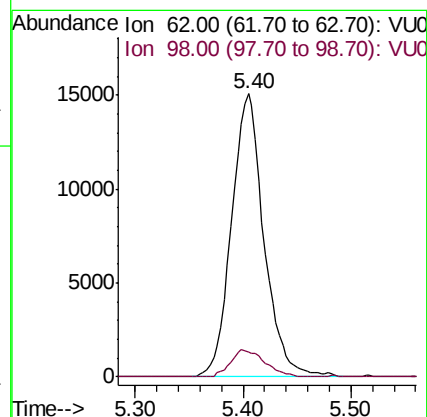
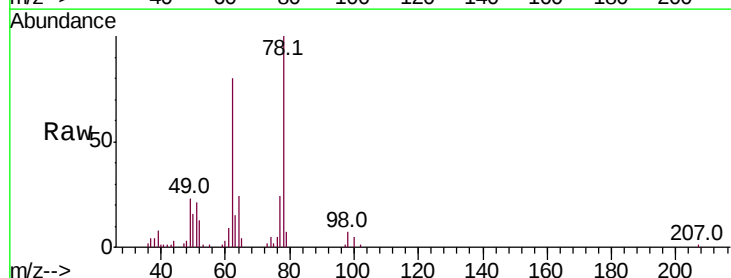
Acq: 08 Feb 2019 19:31

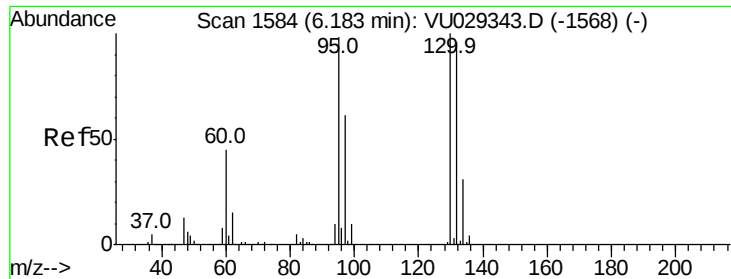
Tgt Ion: 62 Resp: 31600

Ion Ratio Lower Upper

62 100

98 10.0 4.9 7.3#





#37

Trichloroethene

Concen: 2.020 ug/l

RT: 6.18 min Scan# 1584

Delta R.T. -0.00 min

Lab File: VU029385.D

Acq: 08 Feb 2019 19:31

Instrument :

MSVOA_U

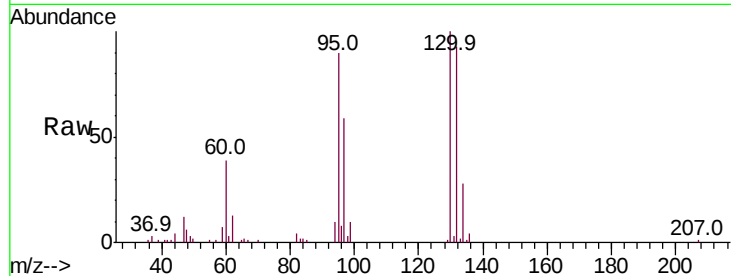
ClientSampleId :

Tot Ion:130 Resp: 33457

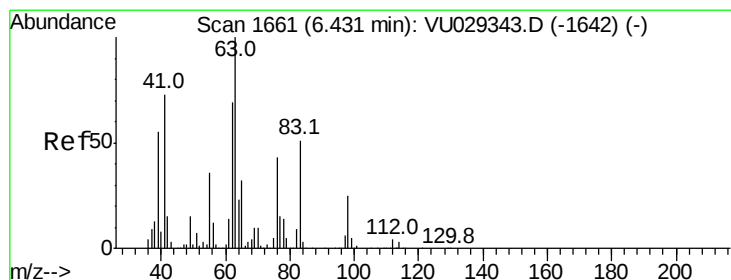
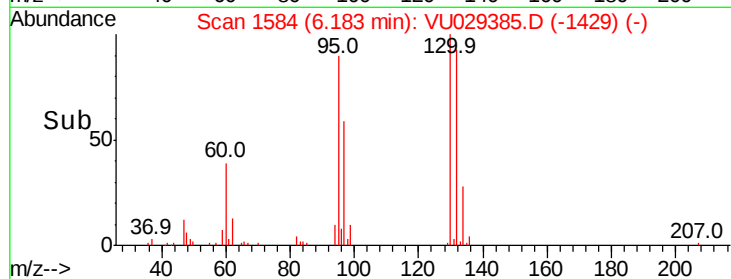
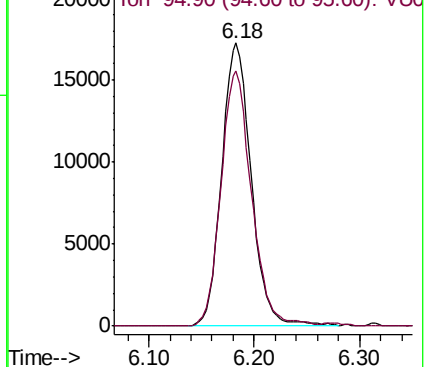
Ion Ratio Lower Upper

130 100

95 90.2 85.4 128.0



Abundance Ion 129.90 (129.60 to 130.60): VU029385.D (-1568) (-)



#38

1,2-Dichloropropane

Concen: 1.829 ug/l

RT: 6.43 min Scan# 1661

Delta R.T. -0.00 min

Lab File: VU029385.D

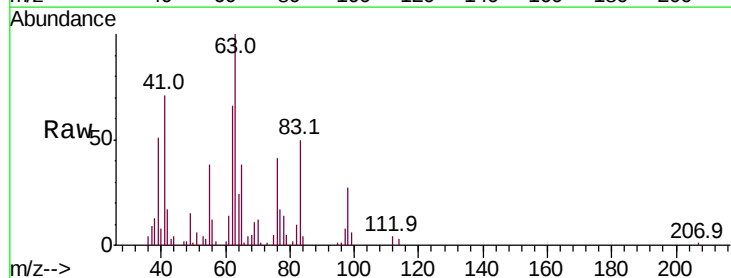
Acq: 08 Feb 2019 19:31

Tgt Ion: 63 Resp: 27465

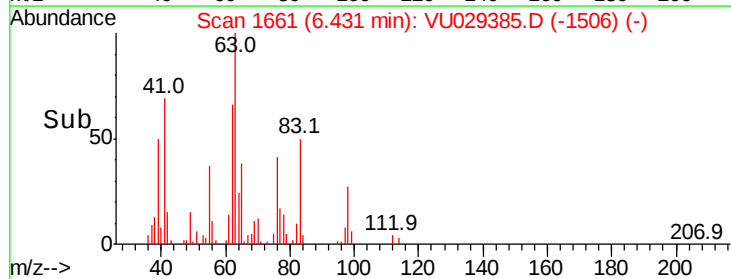
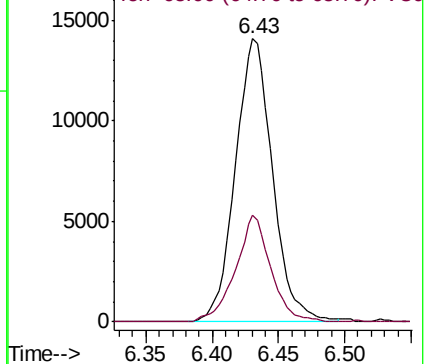
Ion Ratio Lower Upper

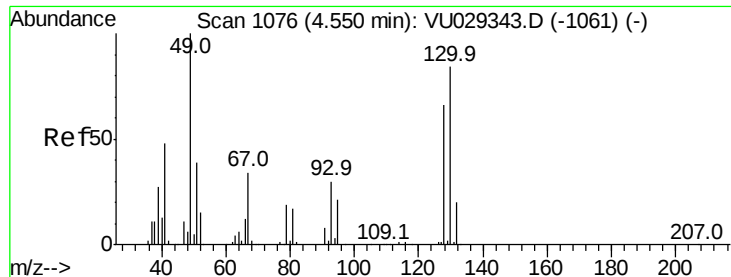
63 100

65 37.6 25.5 38.3



Abundance Ion 63.00 (62.70 to 63.70): VU029385.D (-1506) (-)

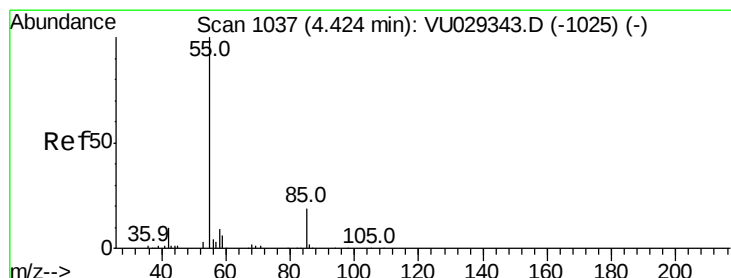
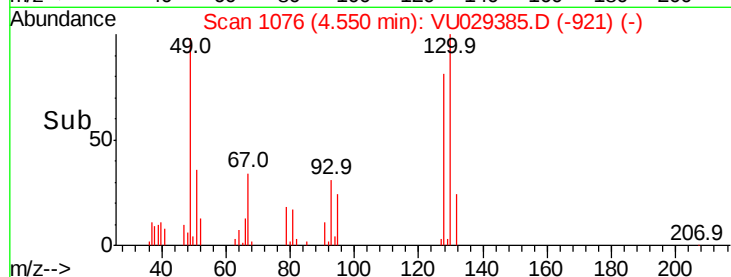
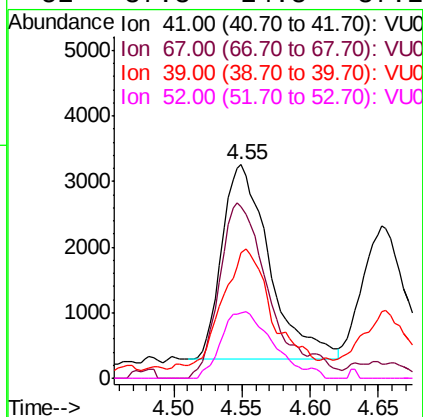
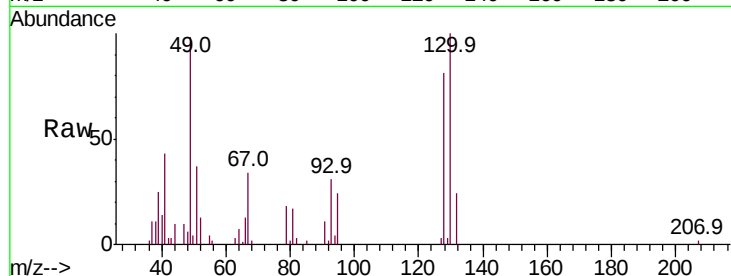




#39
Methacrylonitrile
Concen: 1.475 ug/l
RT: 4.55 min Scan# 1076
Delta R.T. -0.00 min
Lab File: VU029385.D
Acq: 08 Feb 2019 19:31

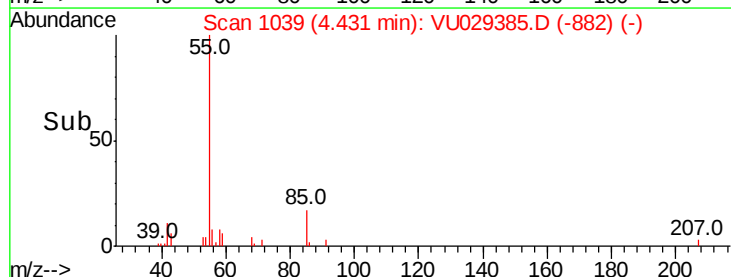
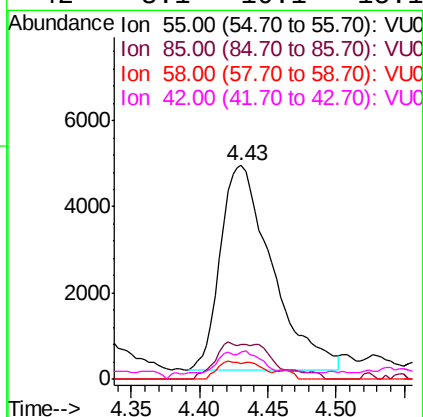
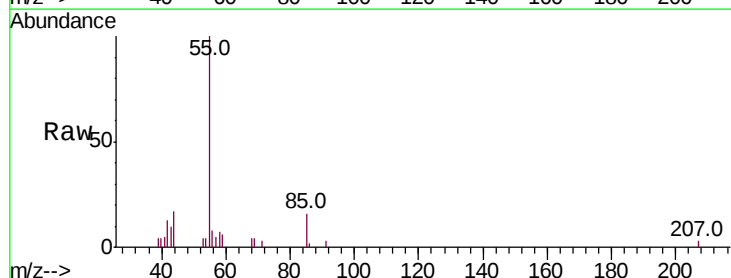
Instrument :
MSVOA_U
ClientSampleId :

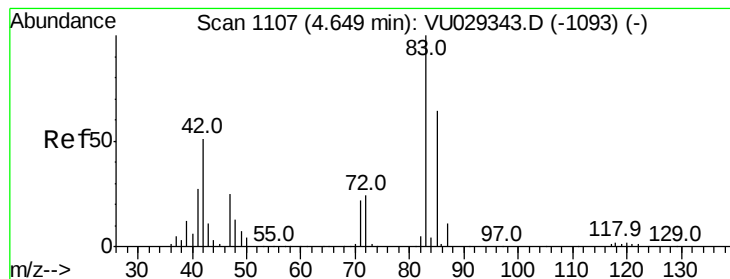
Tot Ion	Ratio	Lower	Upper
41	100		
67	90.1	50.1	75.1#
39	58.9	47.9	71.9
52	37.3	24.8	37.2#



#40
Methyl acrylate
Concen: 1.696 ug/l
RT: 4.43 min Scan# 1039
Delta R.T. 0.01 min
Lab File: VU029385.D
Acq: 08 Feb 2019 19:31

Tgt Ion	Ratio	Lower	Upper
55	100		
85	7.8	11.3	16.9#
58	6.9	6.2	9.4
42	3.1	10.1	15.1#





#41

Tetrahydrofuran

Concen: 3.309 ug/l

RT: 4.65 min Scan# 1106

Delta R.T. -0.00 min

Lab File: VU029385.D

Acq: 08 Feb 2019 19:31

Instrument :
MSVOA_U
ClientSampled :

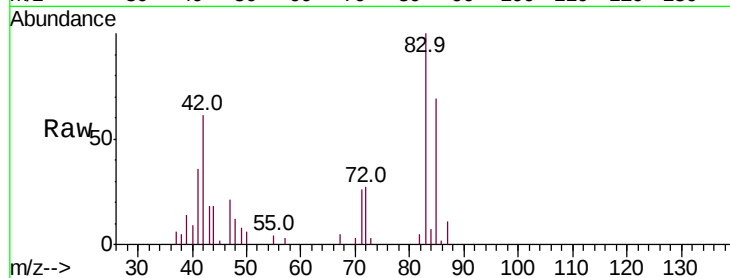
Tot Ion: 42 Resp: 8153

Ion Ratio Lower Upper

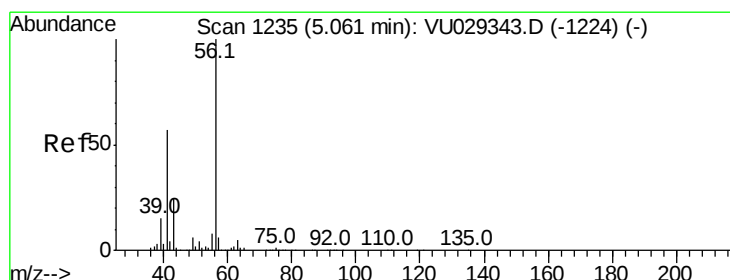
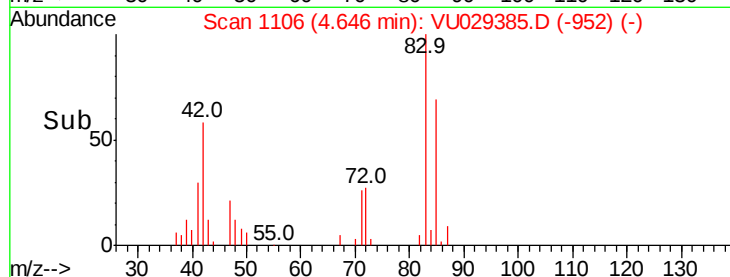
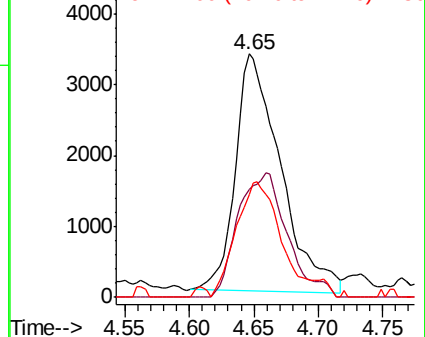
42 100

72 57.4 33.1 49.7#

71 50.3 30.2 45.2#



Abundance Ion 42.00 (41.70 to 42.70): VU0
Ion 72.00 (71.70 to 72.70): VU0
Ion 71.00 (70.70 to 71.70): VU0



#42

1-Chlorobutane

Concen: 1.776 ug/l

RT: 5.06 min Scan# 1235

Delta R.T. -0.00 min

Lab File: VU029385.D

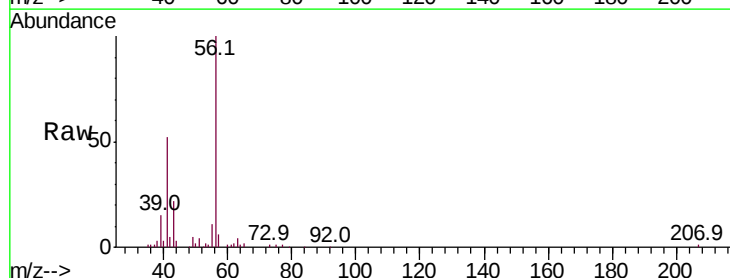
Acq: 08 Feb 2019 19:31

Tgt Ion: 56 Resp: 49662

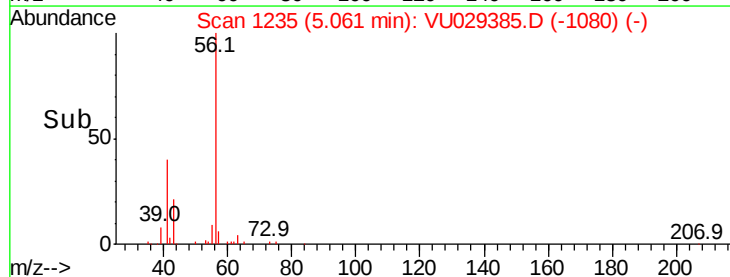
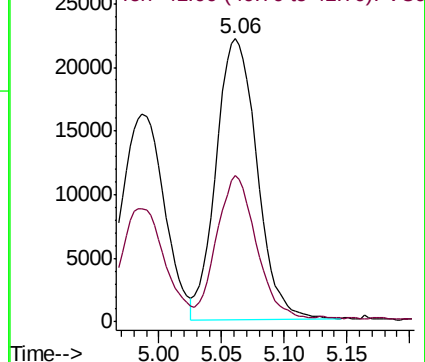
Ion Ratio Lower Upper

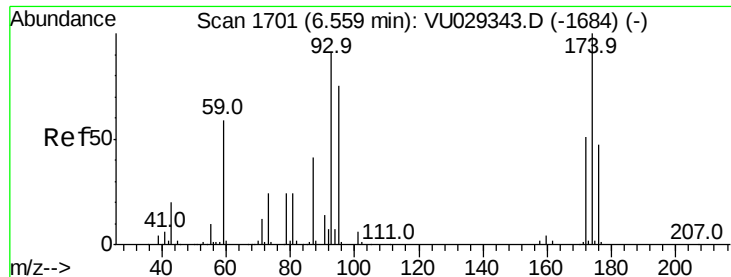
56 100

41 49.0 31.3 93.8



Abundance Ion 56.00 (55.70 to 56.70): VU0
Ion 41.00 (40.70 to 41.70): VU0





#43

Dibromomethane

Concen: 1.803 ug/l

RT: 6.56 min Scan# 1701

Delta R.T. -0.00 min

Lab File: VU029385.D

Acq: 08 Feb 2019 19:31

Instrument :
MSVOA_U
ClientSampleId :

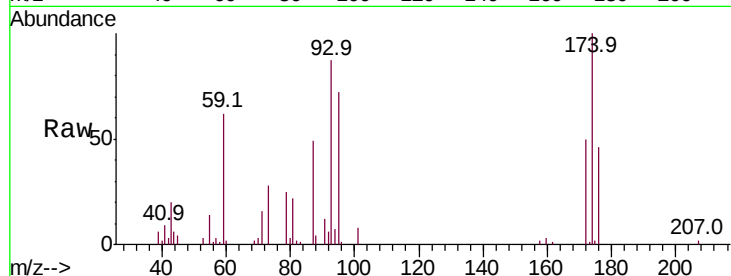
Tot Ion: 93 Resp: 14423

Ion Ratio Lower Upper

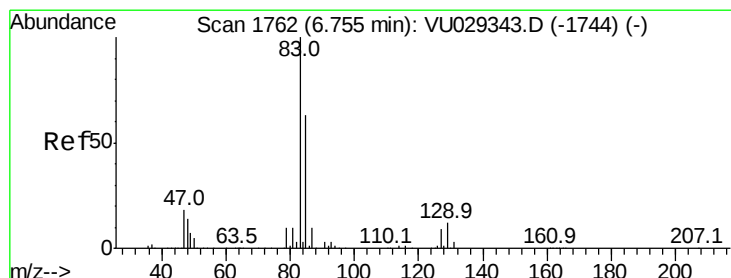
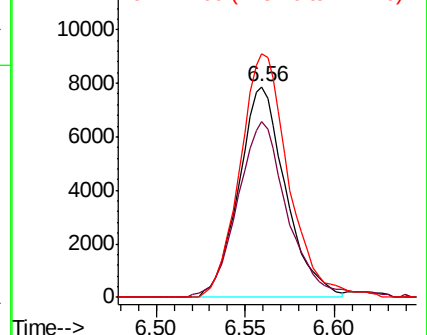
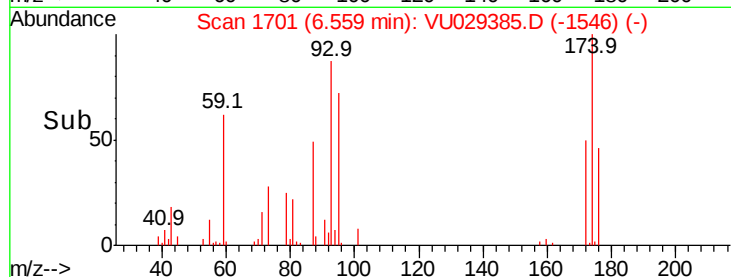
93 100

95 89.5 68.2 102.2

174 120.3 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: 1.825 ug/l

RT: 6.76 min Scan# 1762

Delta R.T. -0.00 min

Lab File: VU029385.D

Acq: 08 Feb 2019 19:31

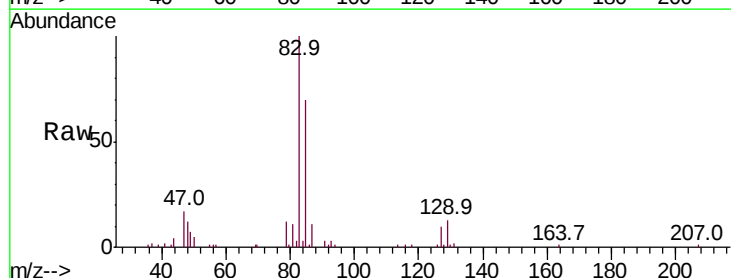
Tgt Ion: 83 Resp: 37209

Ion Ratio Lower Upper

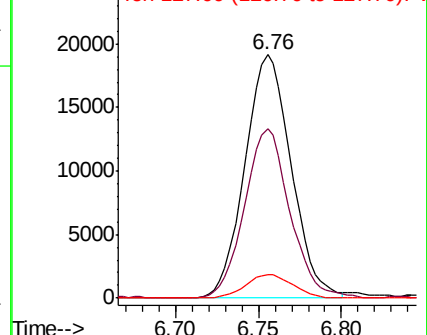
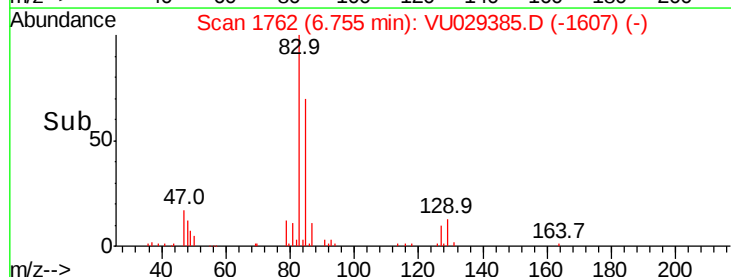
83 100

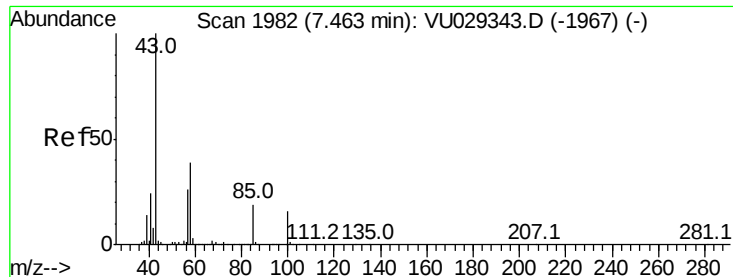
85 69.6 49.2 73.8

127 9.5 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

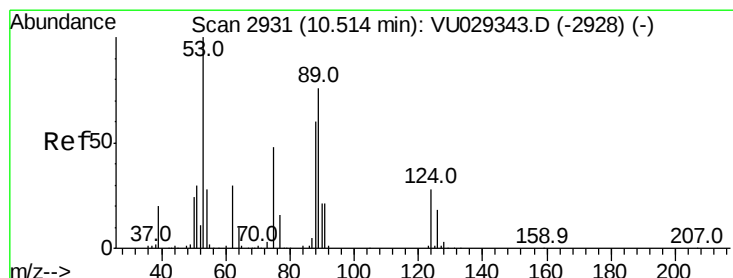
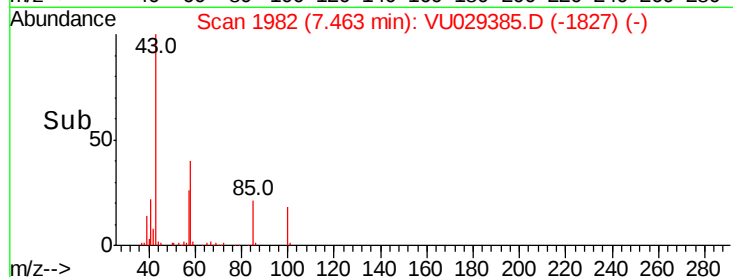
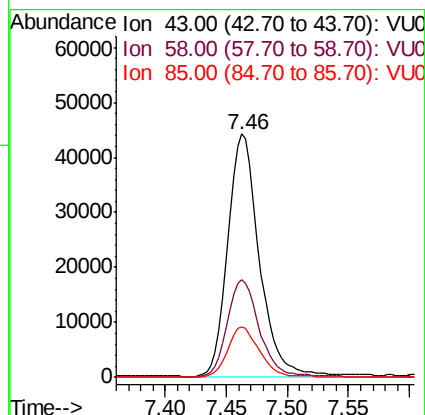
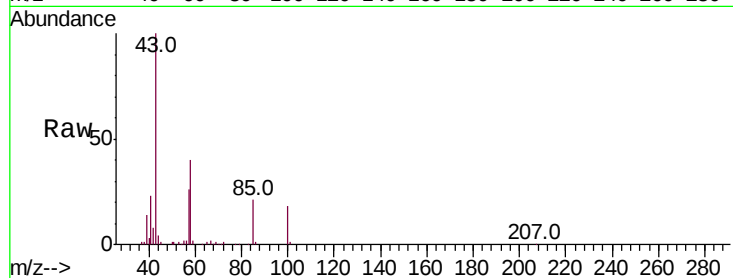




#45
 4-Methyl-2-Pentanone
 Concen: 8.525 ug/l
 RT: 7.46 min Scan# 1982
 Delta R.T. -0.00 min
 Lab File: VU029385.D
 Acq: 08 Feb 2019 19:31

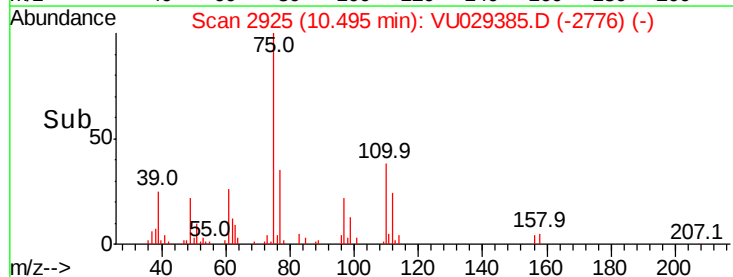
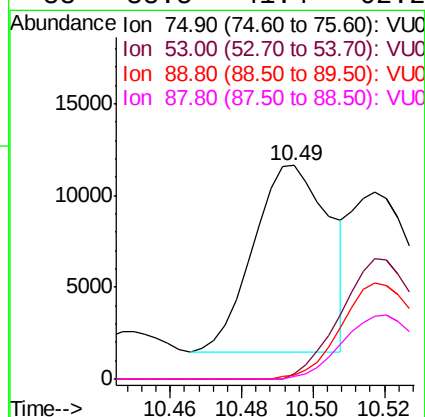
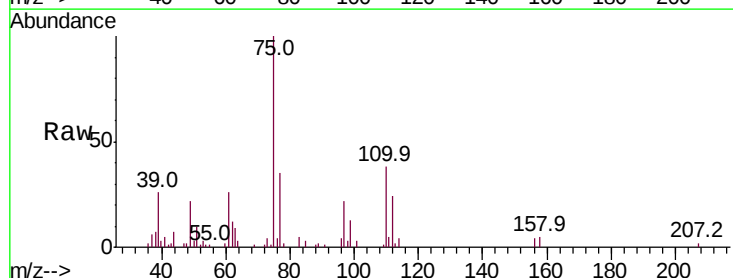
Instrument :
 MSVOA_U
 ClientSampled :

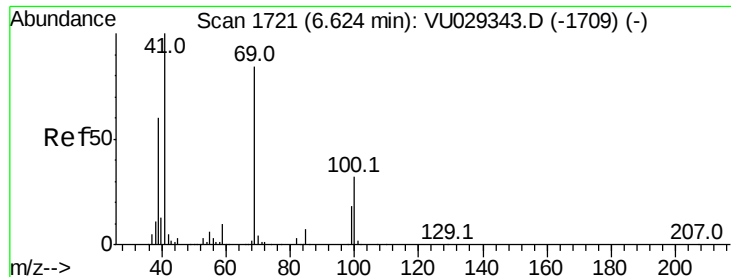
Tot Ion	Ratio	Lower	Upper
43	100		
58	41.6	17.6	52.8
85	20.6	12.3	18.5



#46
 t-1,4-Dichloro-2-butene
 Concen: 3.291 ug/l
 RT: 10.49 min Scan# 2925
 Delta R.T. -0.02 min
 Lab File: VU029385.D
 Acq: 08 Feb 2019 19:31

Tgt Ion	Ratio	Lower	Upper
75	100		
53	72.4	78.2	117.4
89	56.2	44.2	66.4
88	38.5	41.4	62.2

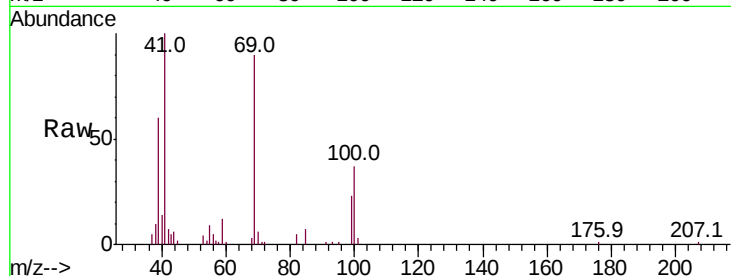




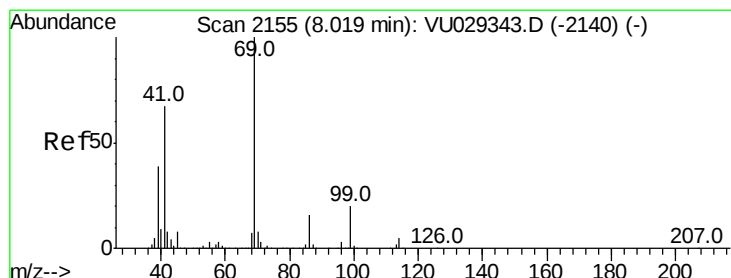
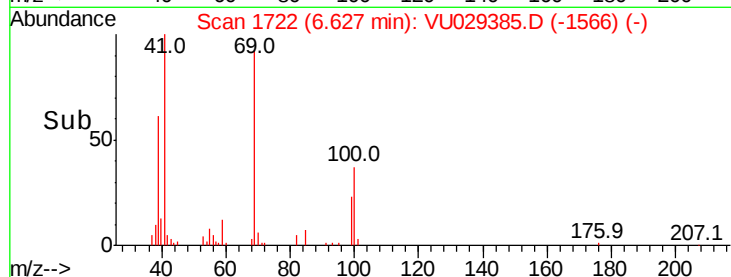
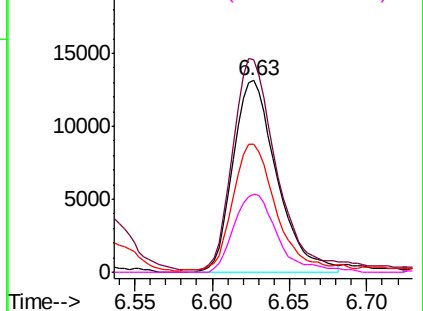
#47
Methyl methacrylate
Concen: 3.685 ug/l
RT: 6.63 min Scan# 1722
Delta R.T. 0.00 min
Lab File: VU029385.D
Acq: 08 Feb 2019 19:31

Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 69 Resp: 25940
Ion Ratio Lower Upper
69 100
41 109.4 0.0 296.2
39 63.7 71.2 106.8#
100 40.3 28.6 42.8

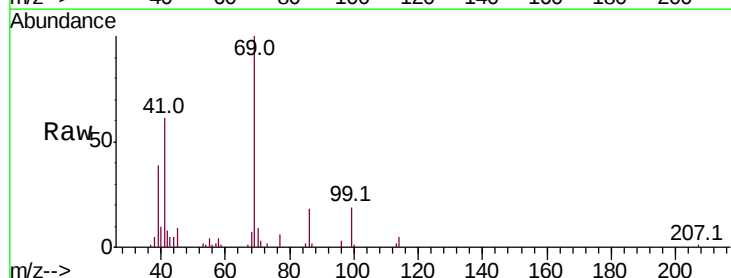


Abundance Ion 69.00 (68.70 to 69.70): VU0
Ion 41.00 (40.70 to 41.70): VU0
Ion 39.00 (38.70 to 39.70): VU0
Ion 100.00 (99.70 to 100.70): VU0

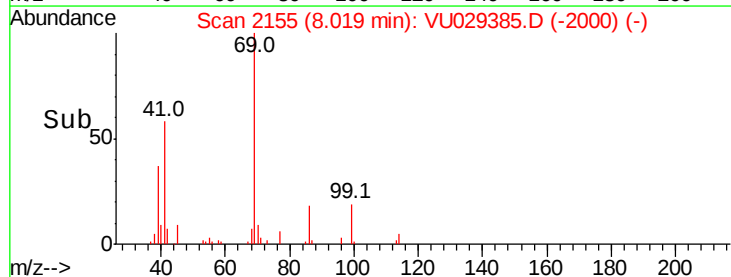
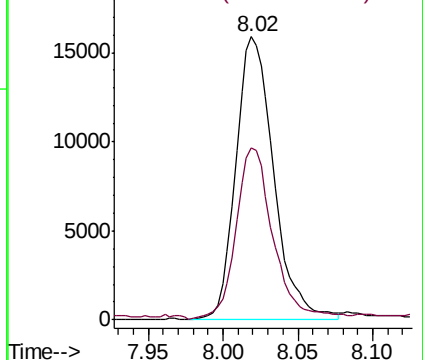


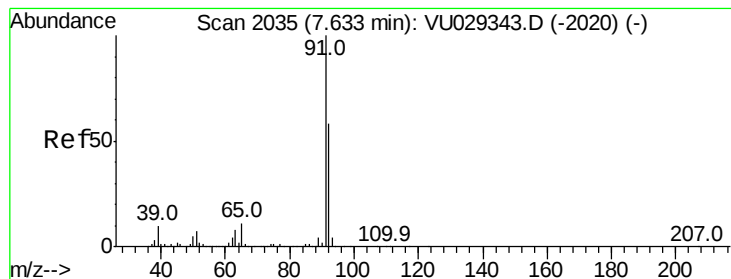
#48
Ethyl methacrylate
Concen: 1.862 ug/l
RT: 8.02 min Scan# 2155
Delta R.T. -0.00 min
Lab File: VU029385.D
Acq: 08 Feb 2019 19:31

Tgt Ion: 69 Resp: 28114
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: 1.961 ug/l

RT: 7.63 min Scan# 2035

Delta R.T. -0.00 min

Lab File: VU029385.D

Acq: 08 Feb 2019 19:31

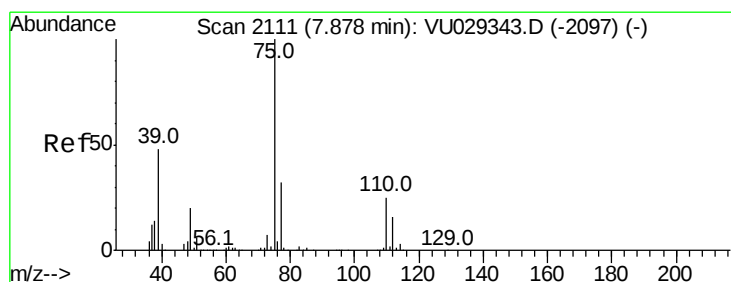
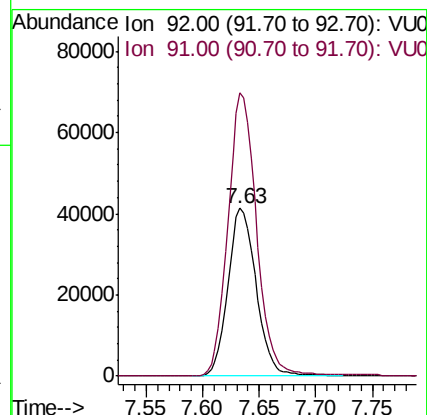
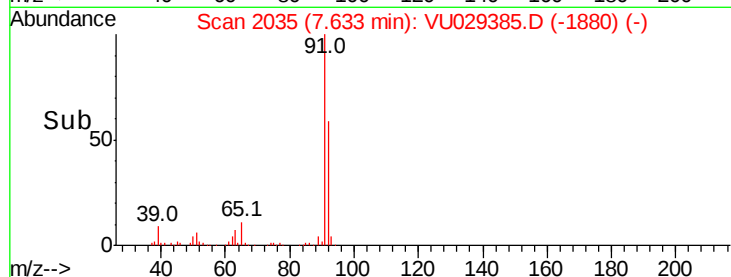
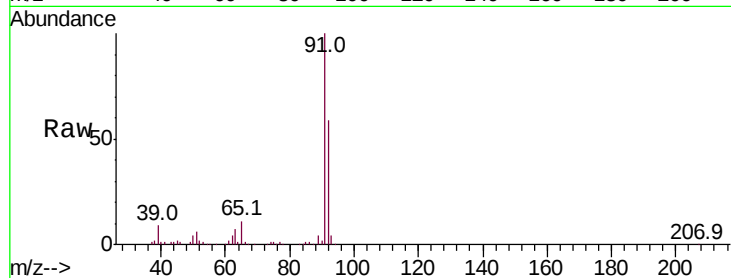
Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 92 Resp: 72421

Ion Ratio Lower Upper

92 100

91 169.9 140.7 211.1



#50

t-1,3-Dichloropropene

Concen: 1.752 ug/l

RT: 7.88 min Scan# 2112

Delta R.T. 0.00 min

Lab File: VU029385.D

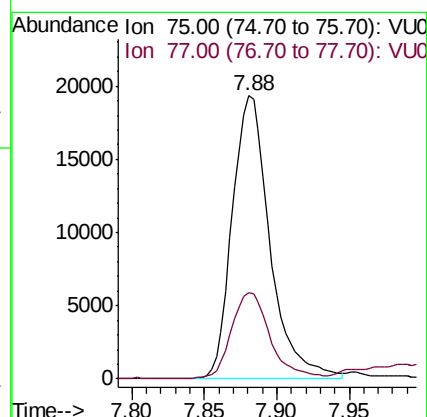
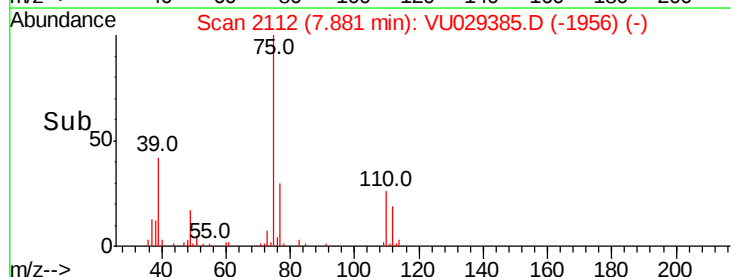
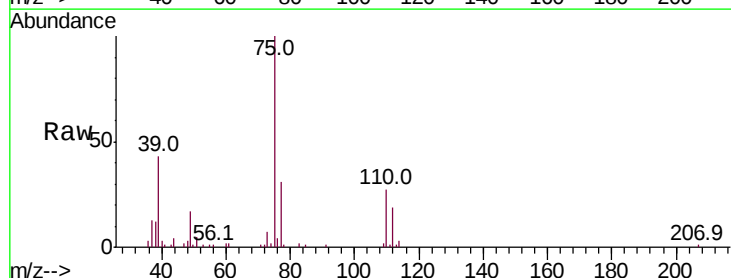
Acq: 08 Feb 2019 19:31

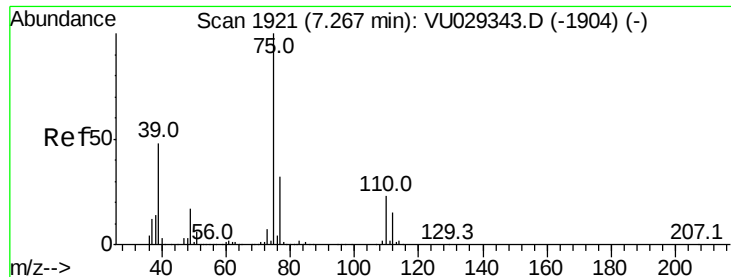
Tgt Ion: 75 Resp: 35016

Ion Ratio Lower Upper

75 100

77 30.5 23.6 35.4

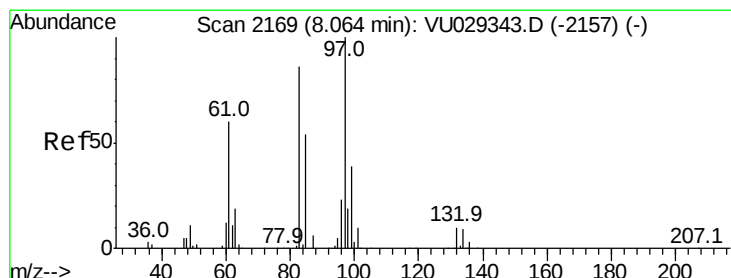
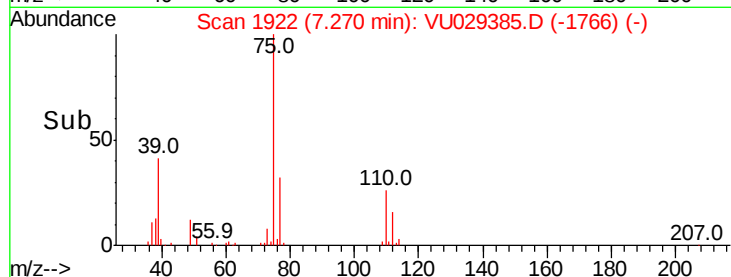
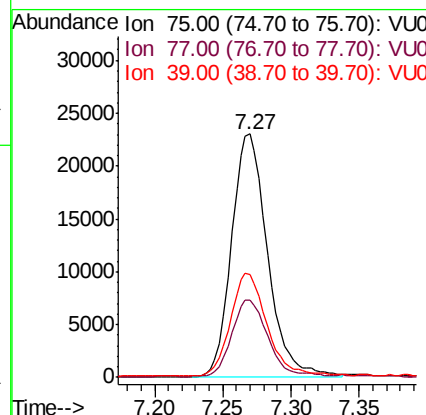
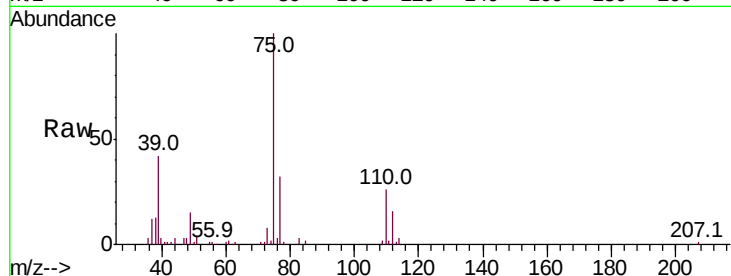




#51
 cis-1,3-Dichloropropene
 Concen: 1.782 ug/l
 RT: 7.27 min Scan# 1922
 Delta R.T. 0.00 min
 Lab File: VU029385.D
 Acq: 08 Feb 2019 19:31

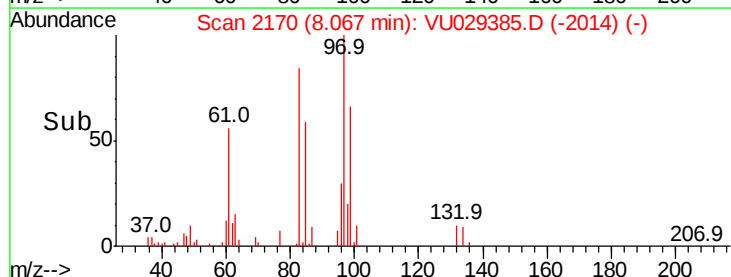
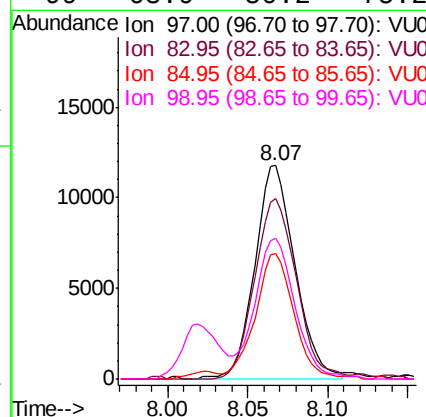
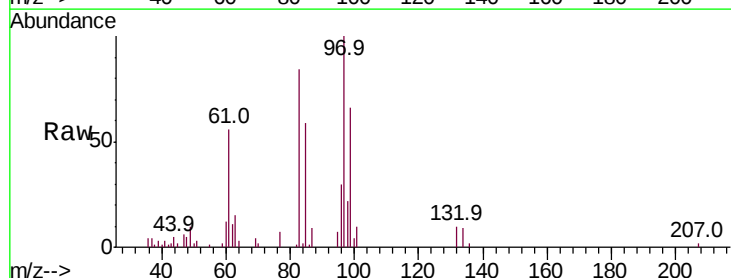
Instrument :
 MSVOA_U
 ClientSampleId :

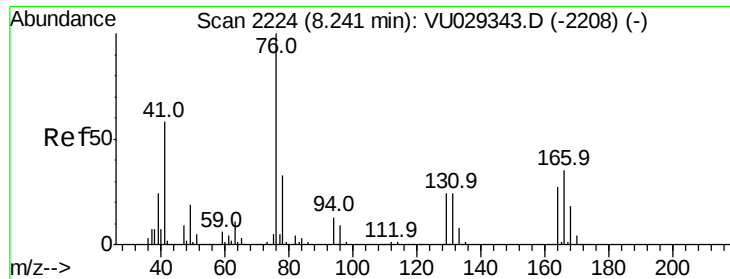
Tot Ion: 75 Resp: 42310
 Ion Ratio Lower Upper
 75 100
 77 31.3 24.9 37.3
 39 41.5 47.2 70.8#



#52
 1,1,2-Trichloroethane
 Concen: 1.930 ug/l
 RT: 8.07 min Scan# 2170
 Delta R.T. 0.00 min
 Lab File: VU029385.D
 Acq: 08 Feb 2019 19:31

Tgt Ion: 97 Resp: 20437
 Ion Ratio Lower Upper
 97 100
 83 84.3 69.9 104.9
 85 57.7 45.8 68.6
 99 63.9 50.2 75.2





#53

1,3-Dichloropropane

Concen: 1.859 ug/l

RT: 8.24 min Scan# 2225

Delta R.T. 0.00 min

Lab File: VU029385.D

Acq: 08 Feb 2019 19:31

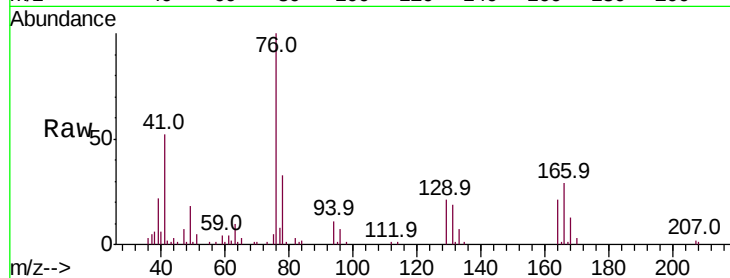
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 76 Resp: 34596

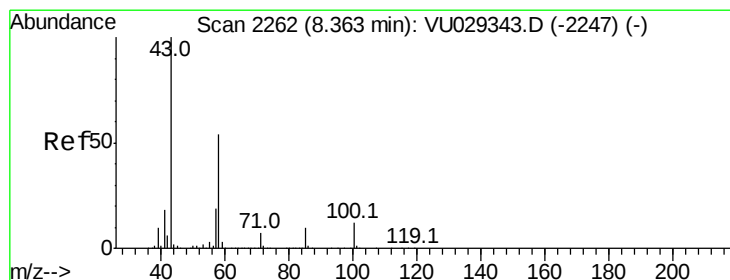
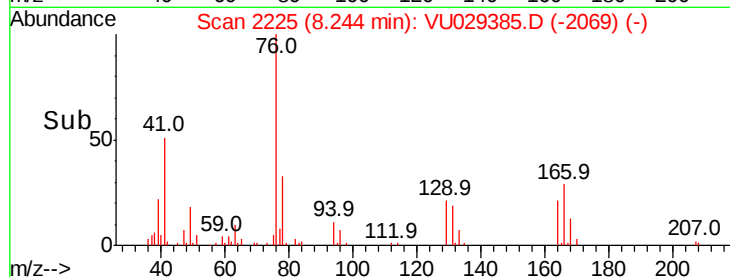
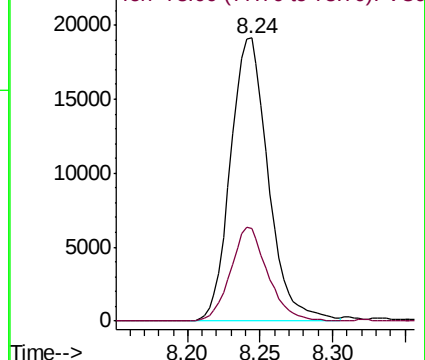
Ion Ratio Lower Upper

76 100

78 32.6 26.3 39.5



Abundance Ion 76.00 (75.70 to 76.70): VU0
Ion 78.00 (77.70 to 78.70): VU0



#54

2-Hexanone

Concen: 8.110 ug/l

RT: 8.36 min Scan# 2262

Delta R.T. -0.00 min

Lab File: VU029385.D

Acq: 08 Feb 2019 19:31

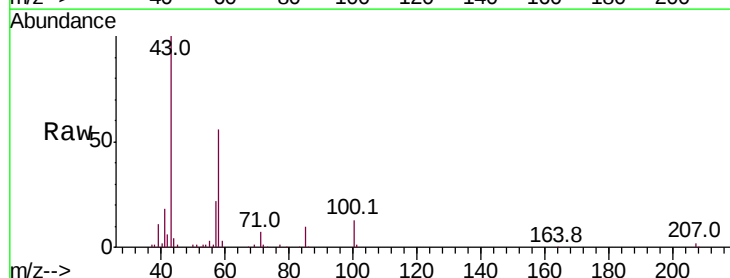
Tgt Ion: 43 Resp: 53311

Ion Ratio Lower Upper

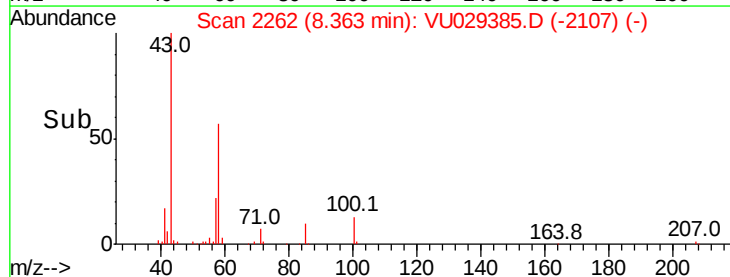
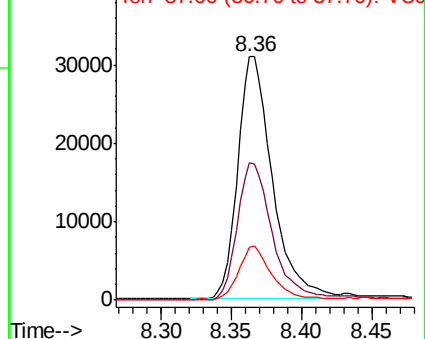
43 100

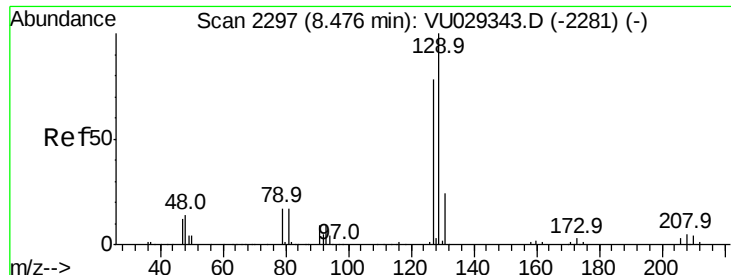
58 57.3 26.0 66.0

57 20.1 0.0 37.7



Abundance Ion 43.00 (42.70 to 43.70): VU0
Ion 58.00 (57.70 to 58.70): VU0
Ion 57.00 (56.70 to 57.70): VU0





#55

Dibromochloromethane

Concen: 1.887 ug/l

RT: 8.48 min Scan# 2297

Delta R.T. -0.00 min

Lab File: VU029385.D

Acq: 08 Feb 2019 19:31

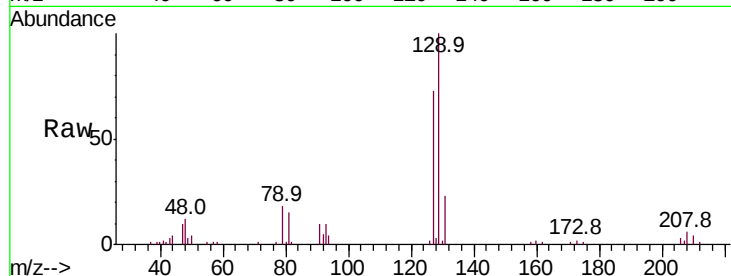
Instrument :
MSVOA_U
ClientSampled :

Tot Ion:129 Resp: 28404

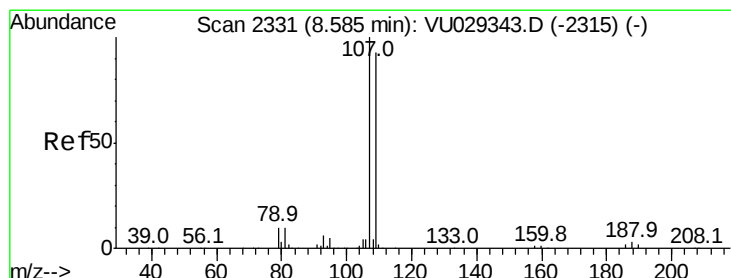
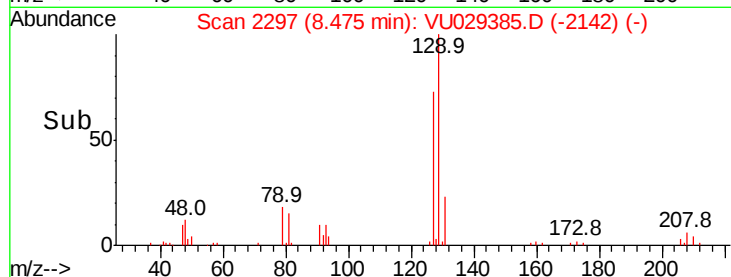
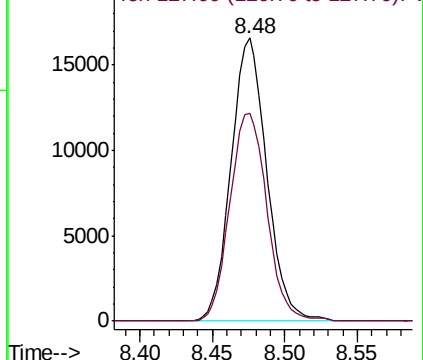
Ion Ratio Lower Upper

129 100

127 76.2 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: 1.877 ug/l

RT: 8.59 min Scan# 2332

Delta R.T. 0.00 min

Lab File: VU029385.D

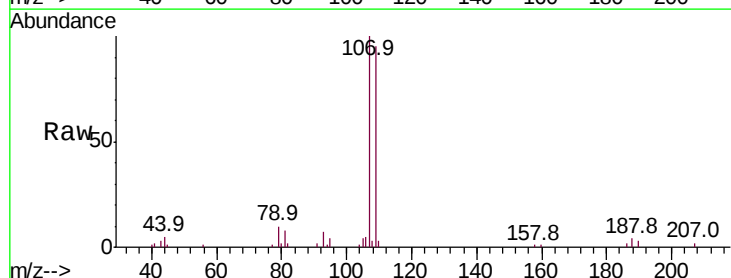
Acq: 08 Feb 2019 19:31

Tgt Ion:107 Resp: 20398

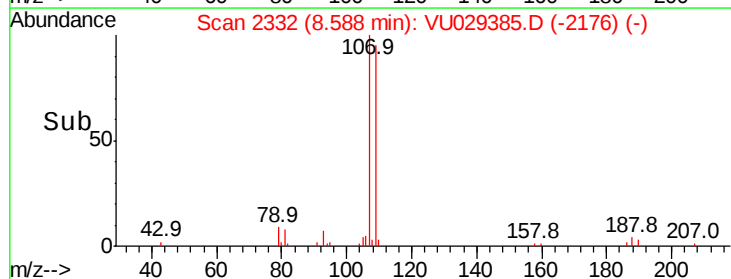
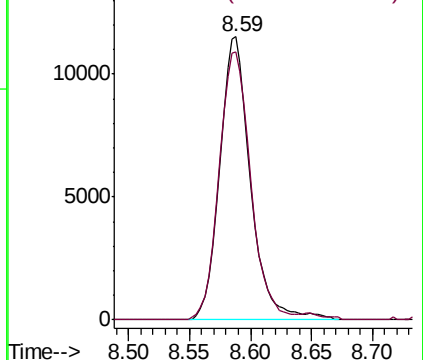
Ion Ratio Lower Upper

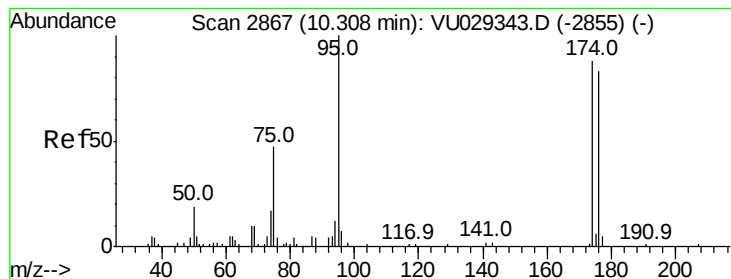
107 100

109 97.4 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: 1.877 ug/l

RT: 10.31 min Scan# 2867

Delta R.T. -0.00 min

Lab File: VU029385.D

Acq: 08 Feb 2019 19:31

Instrument :

MSVOA_U

ClientSampleId :

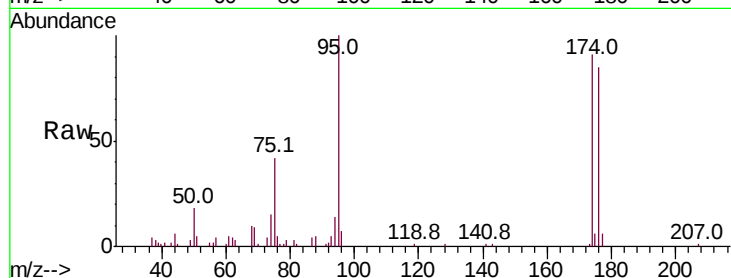
Tot Ion: 95 Resp: 19845

Ion Ratio Lower Upper

95 100

174 92.6 64.2 96.2

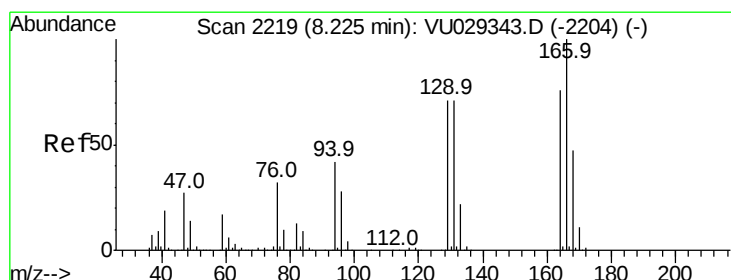
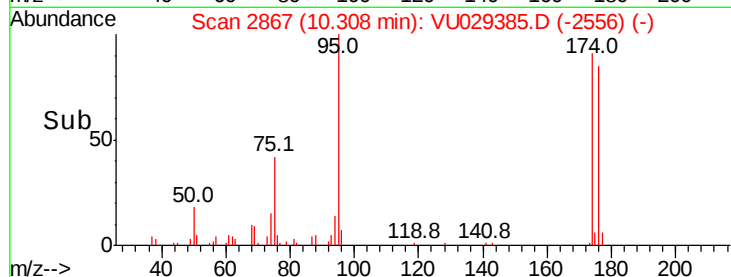
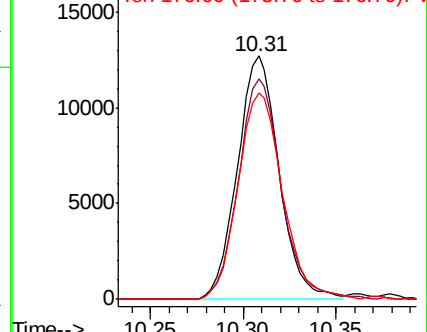
176 90.5 62.3 93.5



Abundance Ion 95.00 (94.70 to 95.70): VU029385.D (-2064) (-)

Ion 174.00 (173.70 to 174.70): VU029385.D (-2064) (-)

Ion 176.00 (175.70 to 176.70): VU029385.D (-2064) (-)



#58

Tetrachloroethene

Concen: 2.077 ug/l

RT: 8.22 min Scan# 2219

Delta R.T. -0.00 min

Lab File: VU029385.D

Acq: 08 Feb 2019 19:31

Tgt Ion: 164 Resp: 32013

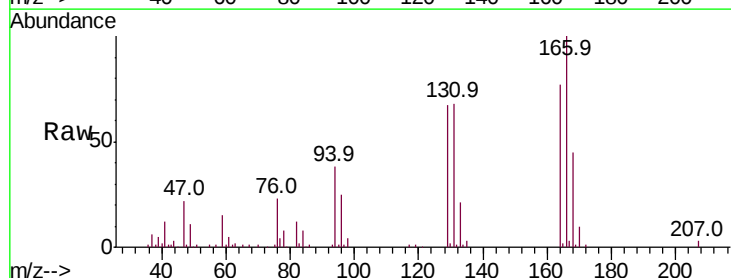
Ion Ratio Lower Upper

164 100

166 129.7 106.6 159.8

129 87.2 79.9 119.9

131 88.7 75.8 113.8

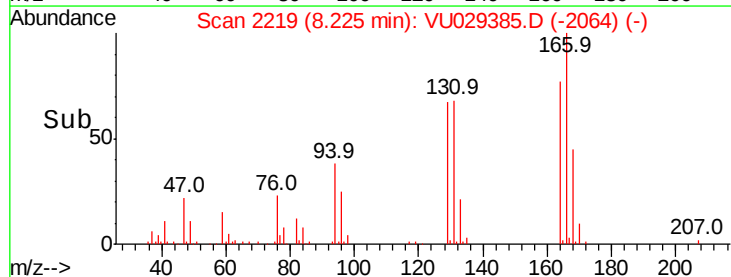
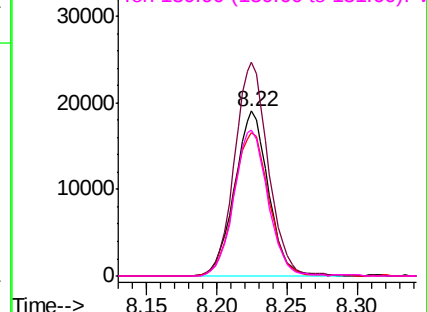


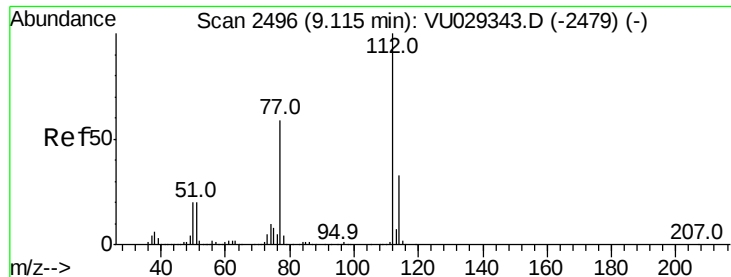
Abundance Ion 163.85 (163.55 to 164.55): VU029385.D (-2064) (-)

Ion 165.80 (165.50 to 166.50): VU029385.D (-2064) (-)

Ion 128.90 (128.60 to 129.60): VU029385.D (-2064) (-)

Ion 130.90 (130.60 to 131.60): VU029385.D (-2064) (-)

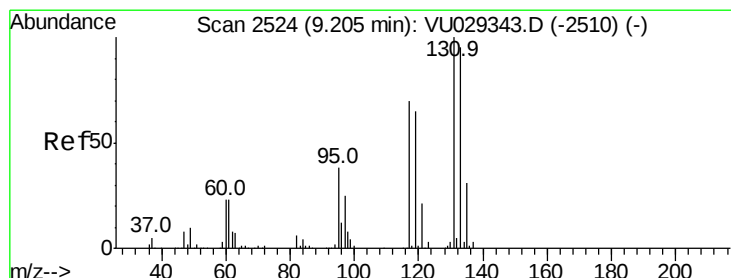
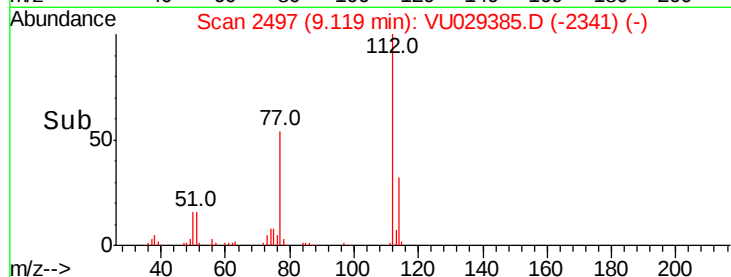
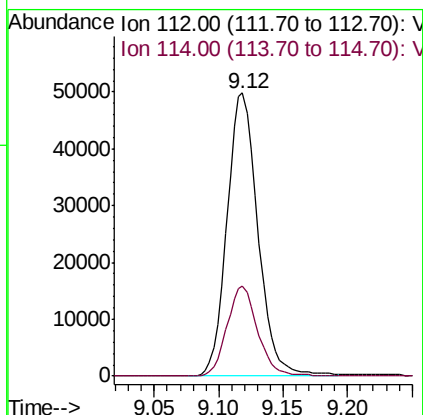
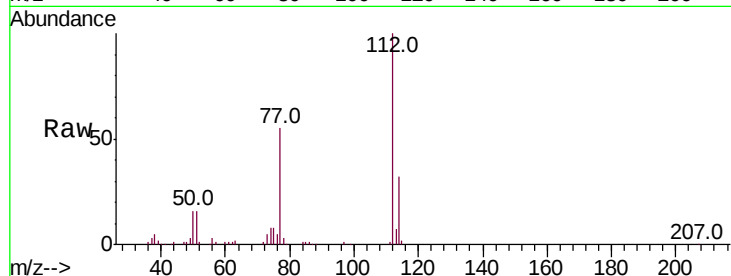




#59
Chlorobenzene
Concen: 1.995 ug/l
RT: 9.12 min Scan# 2497
Delta R.T. 0.00 min
Lab File: VU029385.D
Acq: 08 Feb 2019 19:31

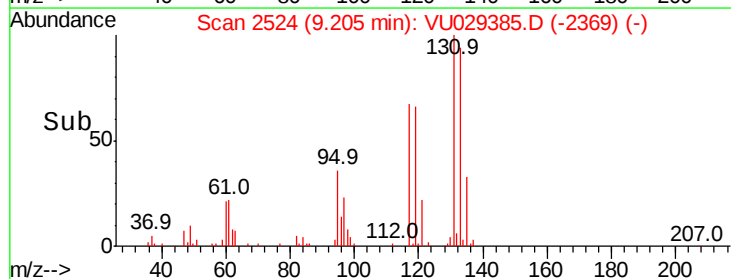
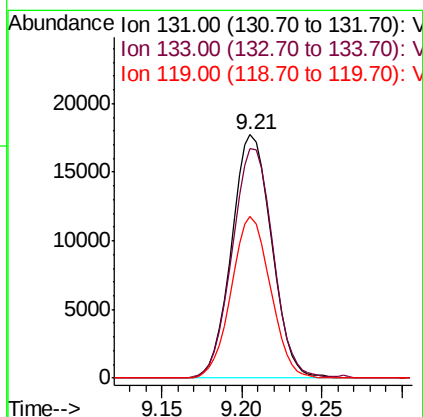
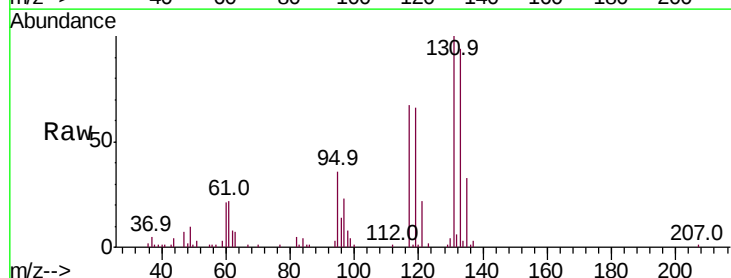
Instrument :
MSVOA_U
ClientSampled :

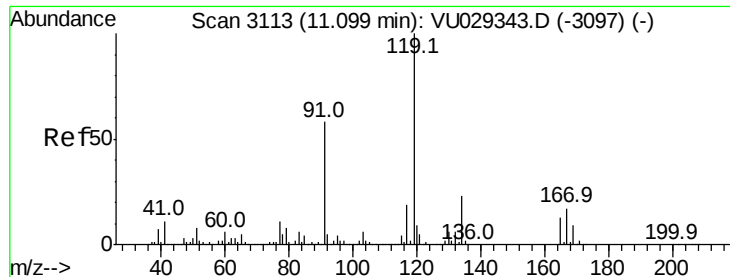
Tot Ion:112 Resp: 82991
Ion Ratio Lower Upper
112 100
114 31.9 26.2 39.4



#60
1,1,1,2-Tetrachloroethane
Concen: 1.969 ug/l
RT: 9.21 min Scan# 2524
Delta R.T. -0.00 min
Lab File: VU029385.D
Acq: 08 Feb 2019 19:31

Tgt Ion:131 Resp: 30271
Ion Ratio Lower Upper
131 100
133 96.4 77.3 115.9
119 64.7 48.9 73.3

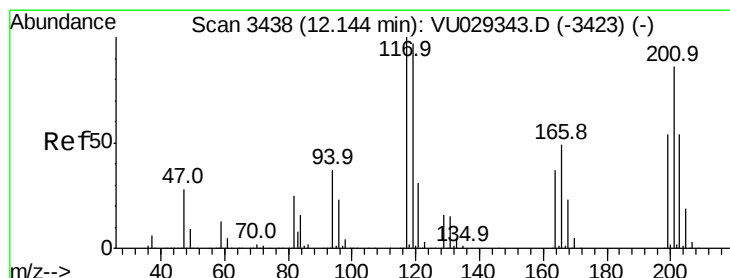
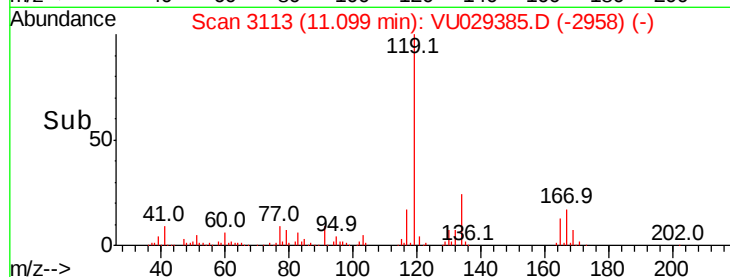
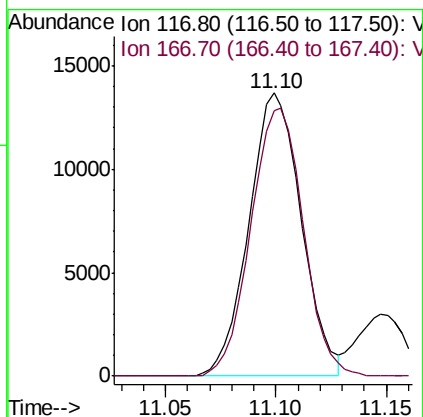
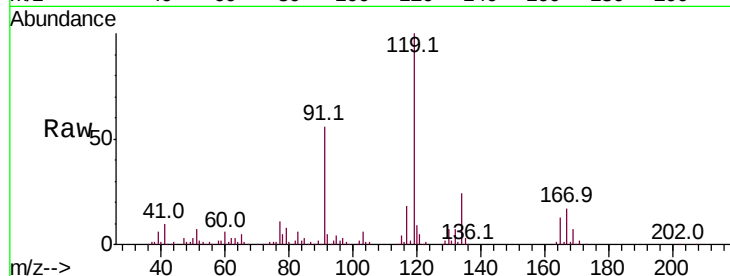




#61
 Pentachloroethane
 Concen: 1.890 ug/l
 RT: 11.10 min Scan# 3113
 Delta R.T. -0.00 min
 Lab File: VU029385.D
 Acq: 08 Feb 2019 19:31

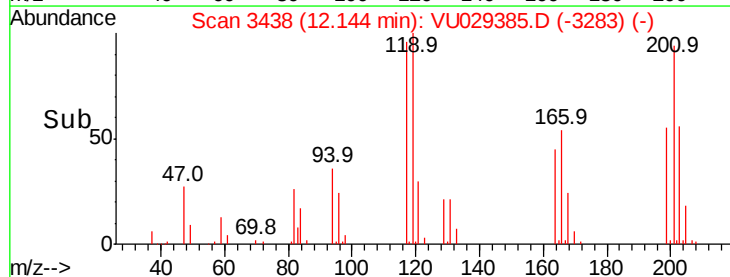
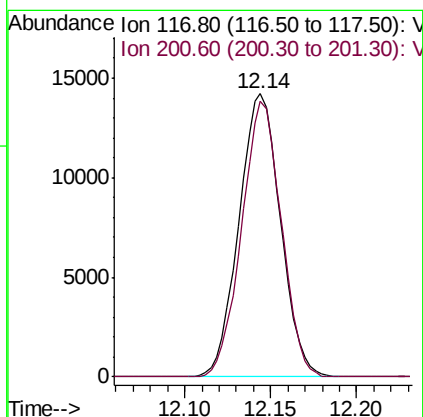
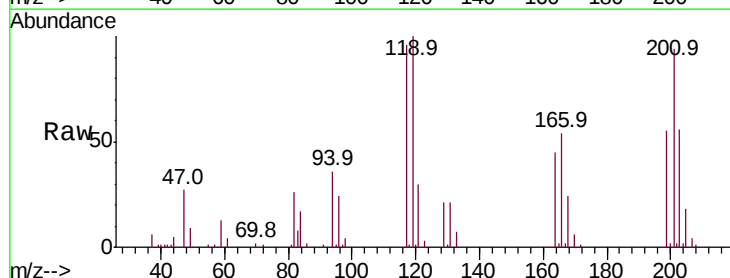
Instrument :
 MSVOA_U
 ClientSampled :

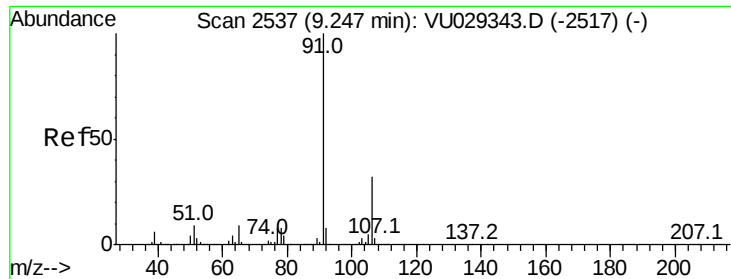
Tot Ion:117 Resp: 22519
 Ion Ratio Lower Upper
 117 100
 167 94.7 65.9 98.9



#62
 Hexachloroethane
 Concen: 1.828 ug/l
 RT: 12.14 min Scan# 3438
 Delta R.T. -0.00 min
 Lab File: VU029385.D
 Acq: 08 Feb 2019 19:31

Tgt Ion:117 Resp: 23773
 Ion Ratio Lower Upper
 117 100
 201 92.8 68.2 102.2

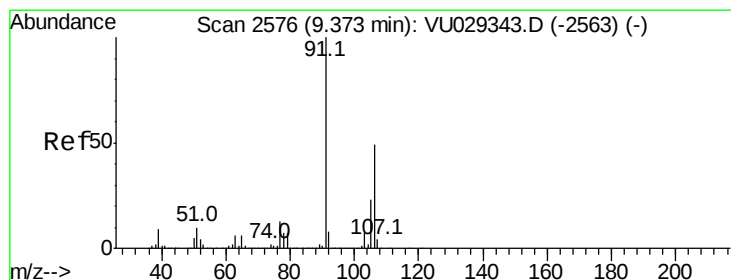
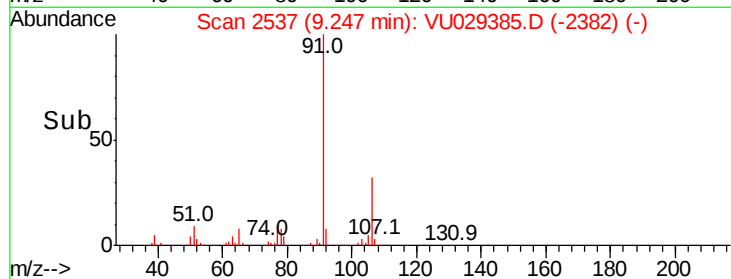
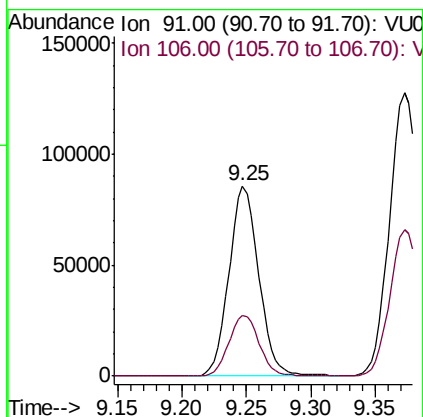
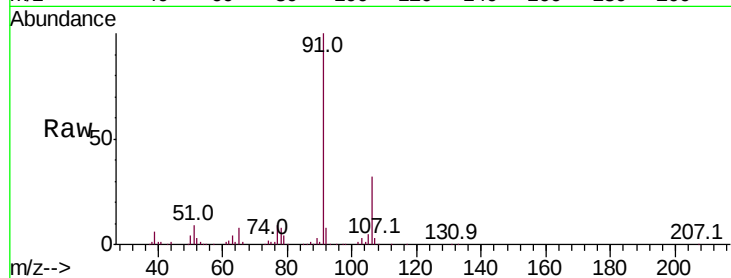




#63
Ethyl Benzene
Concen: 1.909 ug/l
RT: 9.25 min Scan# 2537
Delta R.T. -0.00 min
Lab File: VU029385.D
Acq: 08 Feb 2019 19:31

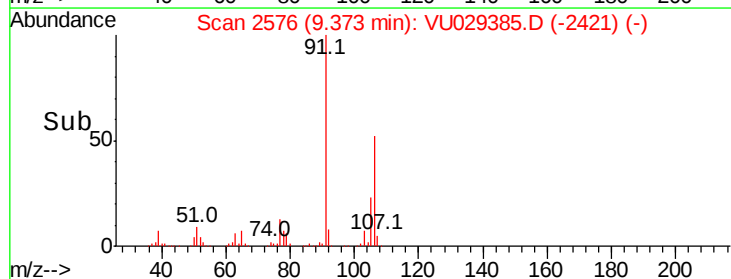
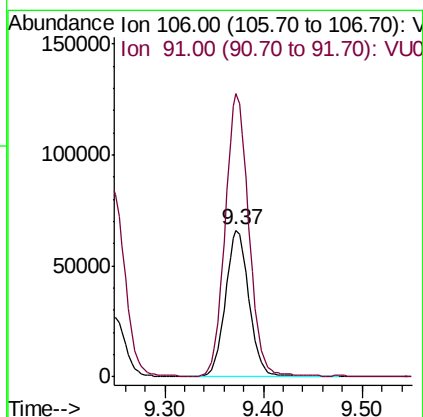
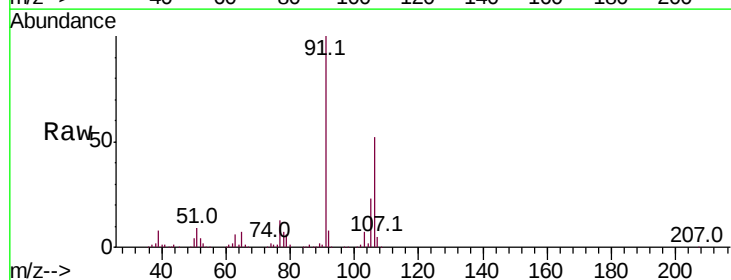
Instrument :
MSVOA_U
ClientSampled :

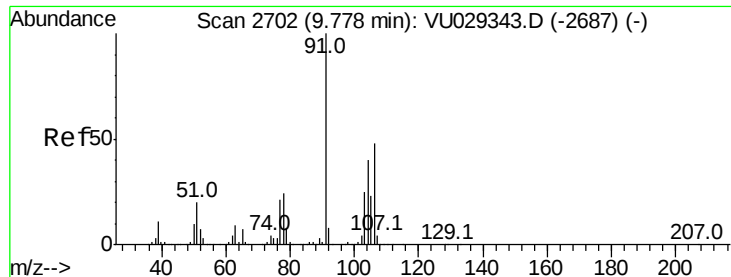
Tot Ion: 91 Resp: 137909
Ion Ratio Lower Upper
91 100
106 31.6 23.8 35.6



#64
m/p-Xylenes
Concen: 3.975 ug/l
RT: 9.37 min Scan# 2576
Delta R.T. -0.00 min
Lab File: VU029385.D
Acq: 08 Feb 2019 19:31

Tgt Ion: 106 Resp: 111604
Ion Ratio Lower Upper
106 100
91 191.6 174.6 261.8





#65

o-Xylene

Concen: 1.949 ug/l

RT: 9.78 min Scan# 2702

Delta R.T. -0.00 min

Lab File: VU029385.D

Acq: 08 Feb 2019 19:31

Instrument :

MSVOA_U

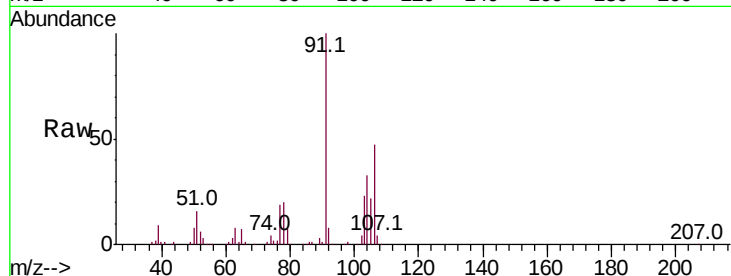
ClientSampleId :

Tot Ion:106 Resp: 53718

Ion Ratio Lower Upper

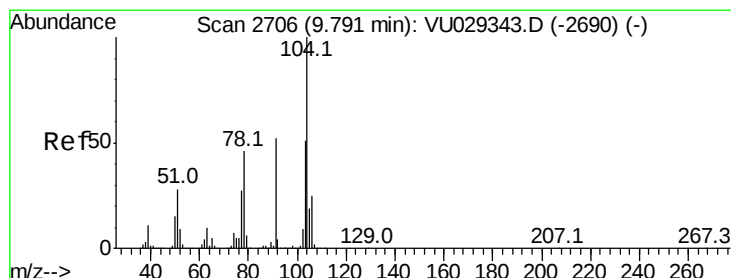
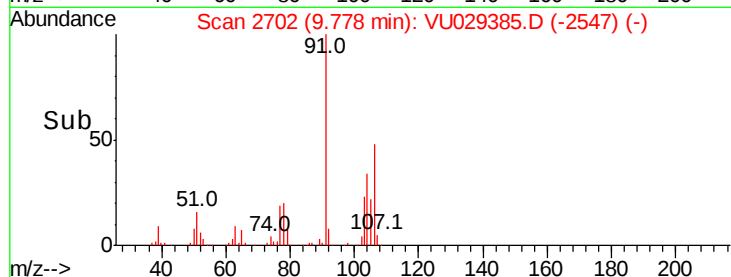
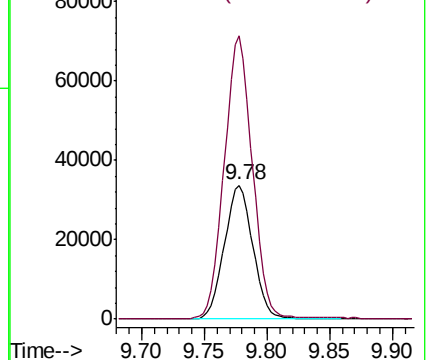
106 100

91 208.0 114.5 343.4



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0



#66

Styrene

Concen: 1.909 ug/l

RT: 9.79 min Scan# 2706

Delta R.T. -0.00 min

Lab File: VU029385.D

Acq: 08 Feb 2019 19:31

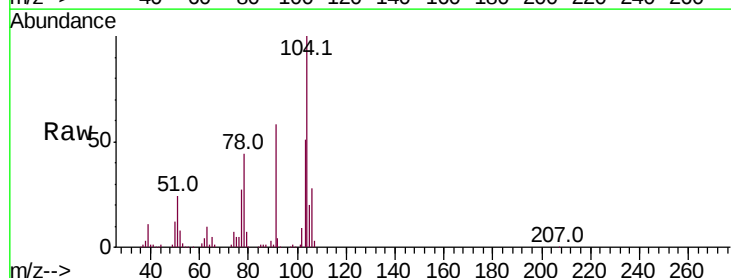
Tgt Ion:104 Resp: 87679

Ion Ratio Lower Upper

104 100

78 47.9 46.5 69.7

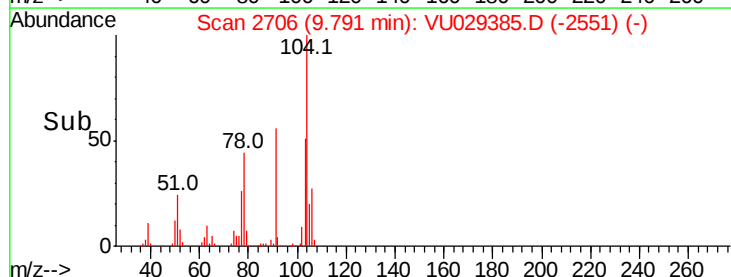
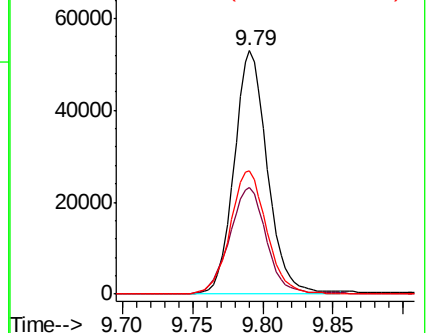
103 56.0 44.7 67.1

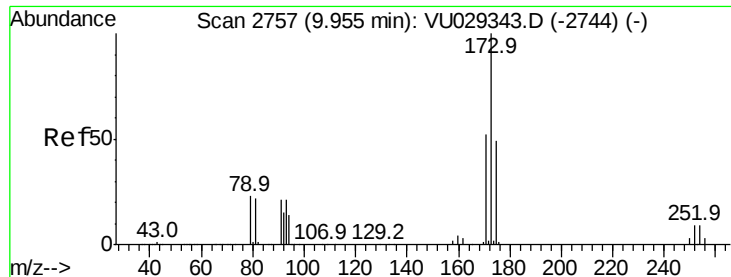


Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VU0

Ion 103.00 (102.70 to 103.70): V





#67

Bromoform

Concen: 1.944 ug/l

RT: 9.96 min Scan# 2758

Delta R.T. 0.00 min

Lab File: VU029385.D

Acq: 08 Feb 2019 19:31

Instrument :
MSVOA_U
ClientSampled :

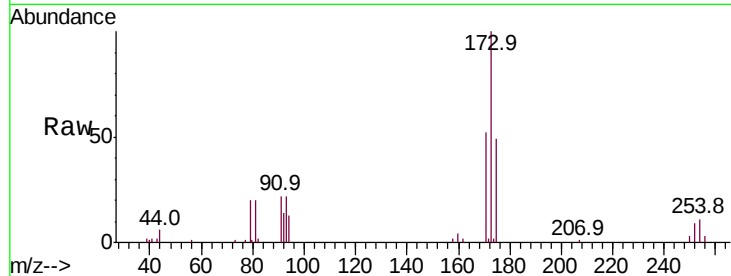
Tot Ion:173 Resp: 18204

Ion Ratio Lower Upper

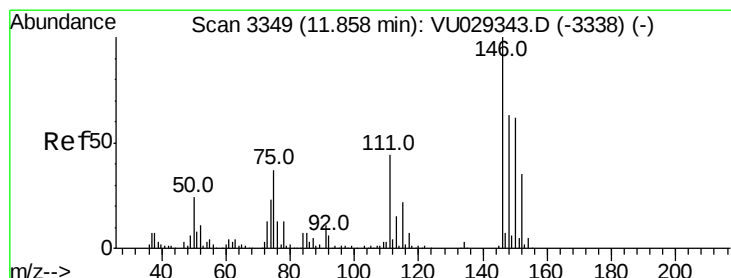
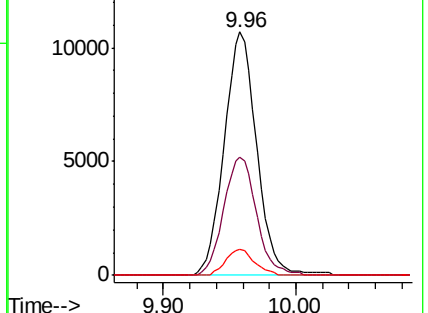
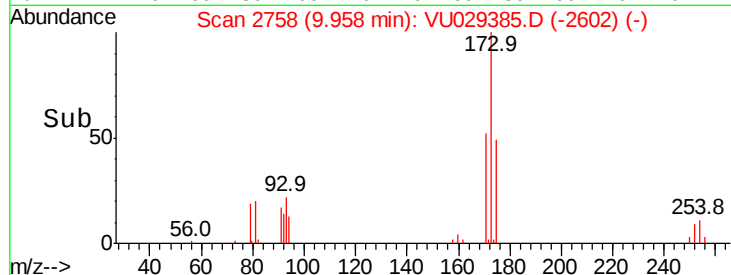
173 100

175 49.1 38.9 58.3

254 9.5 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: 1.944 ug/l

RT: 11.86 min Scan# 3349

Delta R.T. -0.00 min

Lab File: VU029385.D

Acq: 08 Feb 2019 19:31

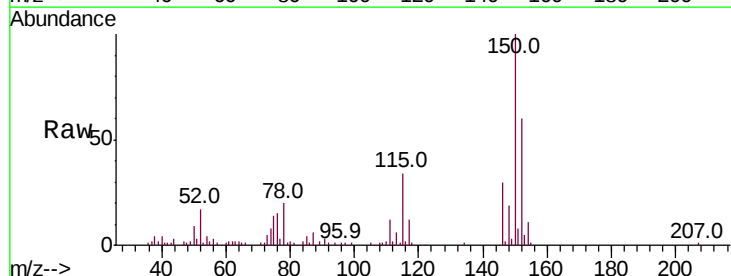
Tgt Ion:152 Resp: 21501

Ion Ratio Lower Upper

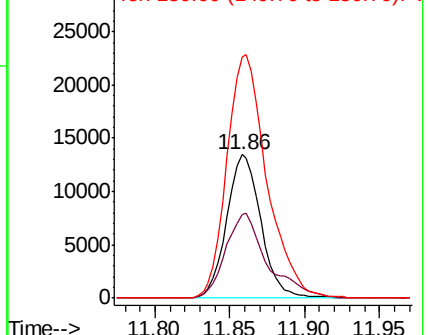
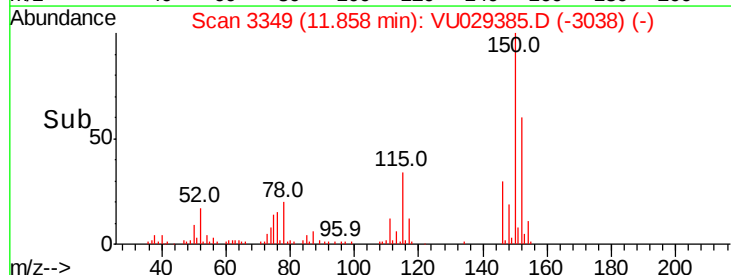
152 100

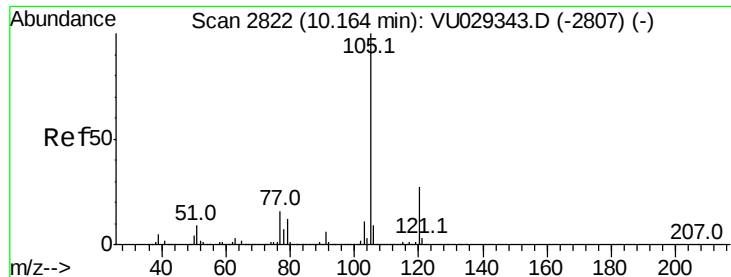
115 71.4 0.0 133.4

150 197.5 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: 1.952 ug/l

RT: 10.16 min Scan# 2822

Delta R.T. -0.00 min

Lab File: VU029385.D

Acq: 08 Feb 2019 19:31

Instrument :

MSVOA_U

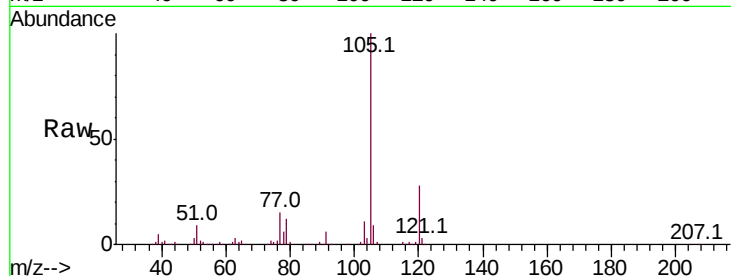
ClientSampled :

Tot Ion:105 Resp: 143740

Ion Ratio Lower Upper

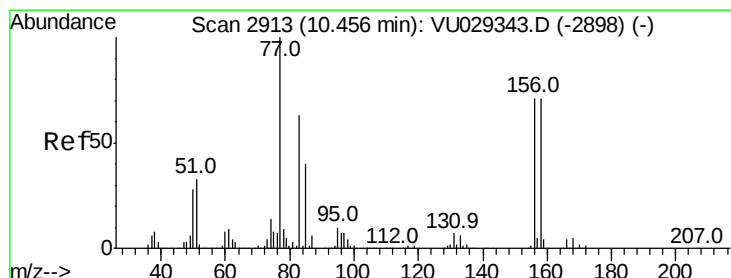
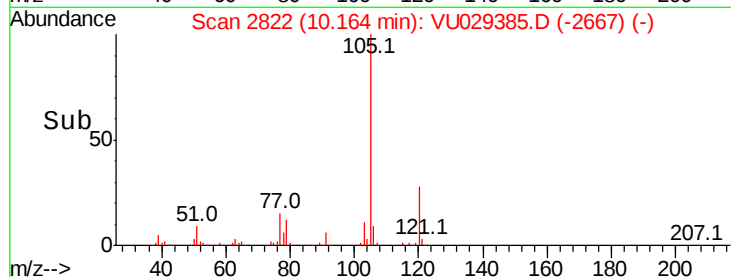
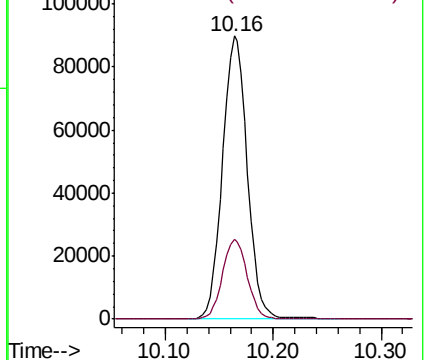
105 100

120 28.2 12.6 37.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#70

1,1,2,2-Tetrachloroethane

Concen: 1.927 ug/l

RT: 10.46 min Scan# 2913

Delta R.T. -0.00 min

Lab File: VU029385.D

Acq: 08 Feb 2019 19:31

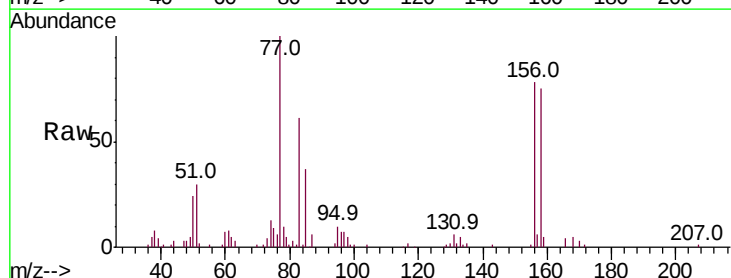
Tgt Ion: 83 Resp: 26158

Ion Ratio Lower Upper

83 100

131 10.1 8.1 12.1

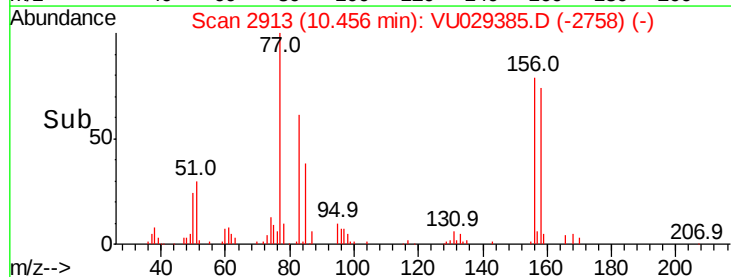
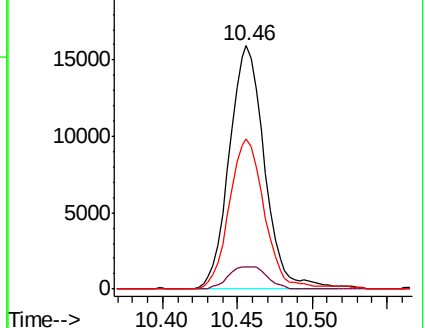
85 61.2 50.3 75.5

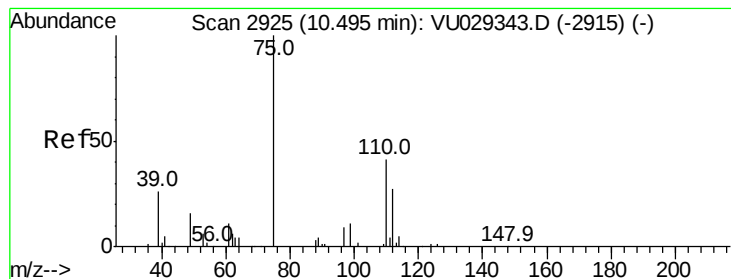


Abundance Ion 83.00 (82.70 to 83.70): VU0

Ion 131.00 (130.70 to 131.70): V

Ion 85.00 (84.70 to 85.70): VU0





#71

1,2,3-Trichloropropane

Concen: 1.613 ug/l

RT: 10.49 min Scan# 2925

Delta R.T. -0.00 min

Lab File: VU029385.D

Acq: 08 Feb 2019 19:31

Instrument :

MSVOA_U

ClientSampleId :

Tot Ion: 75 Resp: 15038

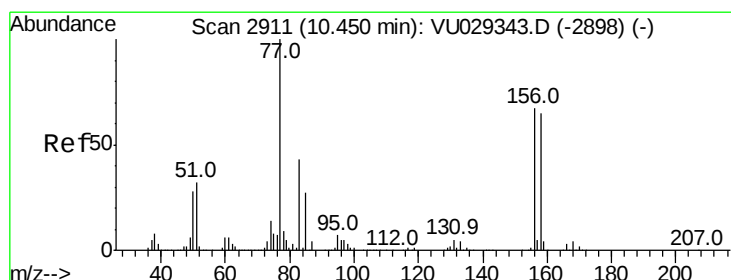
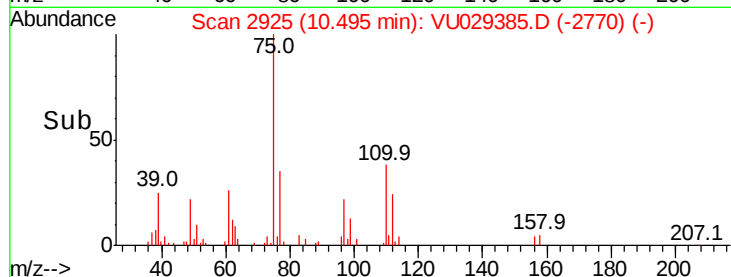
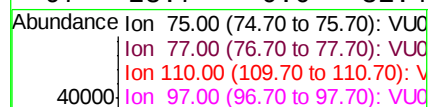
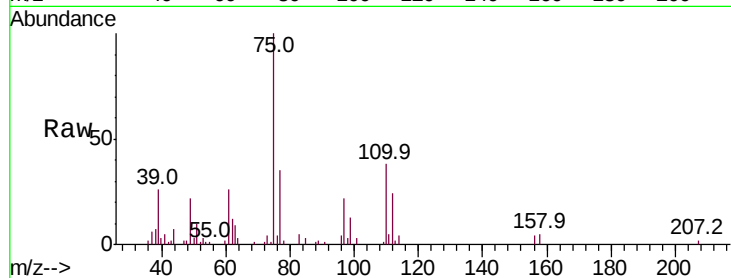
Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0

110 48.6 0.0 63.6

97 28.7 0.0 31.4



#72

Bromobenzene

Concen: 2.090 ug/l

RT: 10.45 min Scan# 2912

Delta R.T. 0.00 min

Lab File: VU029385.D

Acq: 08 Feb 2019 19:31

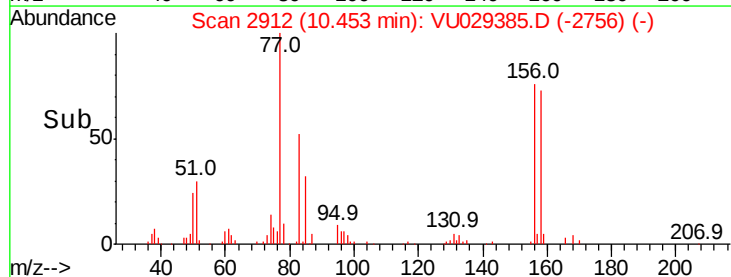
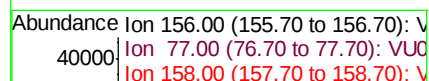
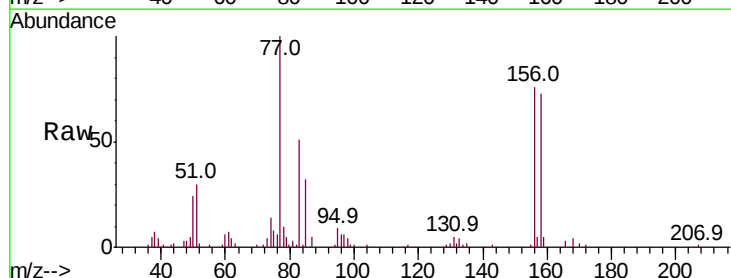
Tgt Ion: 156 Resp: 37291

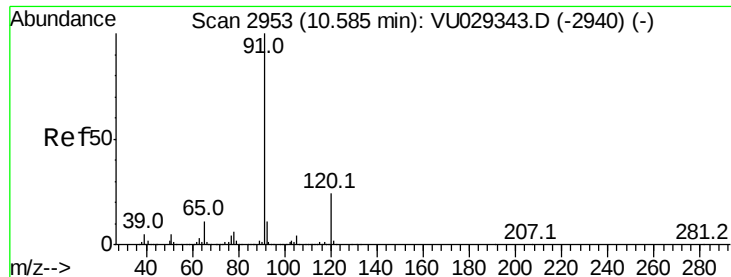
Ion Ratio Lower Upper

156 100

77 135.1 0.0 343.8

158 97.8 0.0 195.0





#73

n-propylbenzene

Concen: 2.007 ug/l

RT: 10.58 min Scan# 2953

Delta R.T. -0.00 min

Lab File: VU029385.D

Acq: 08 Feb 2019 19:31

Instrument :

MSVOA_U

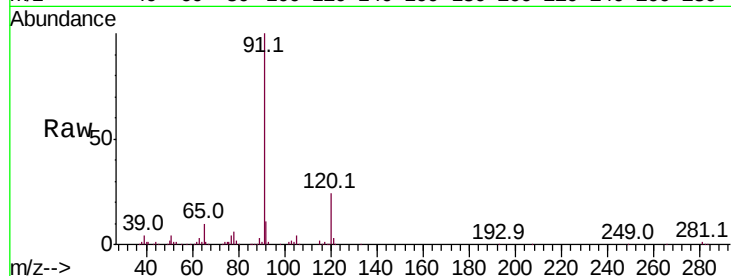
ClientSampleId :

Tot Ion:120 Resp: 41157

Ion Ratio Lower Upper

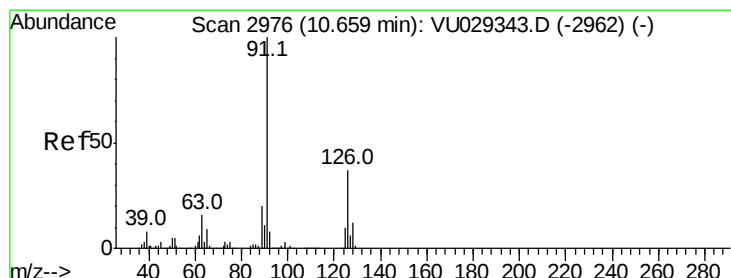
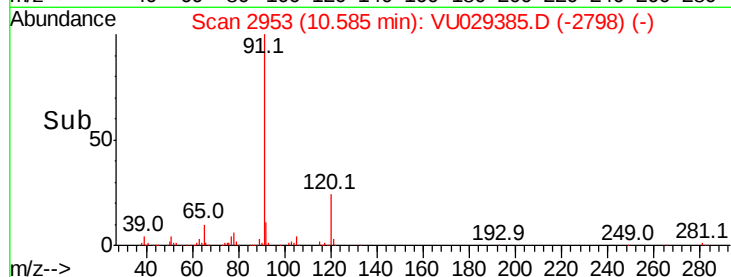
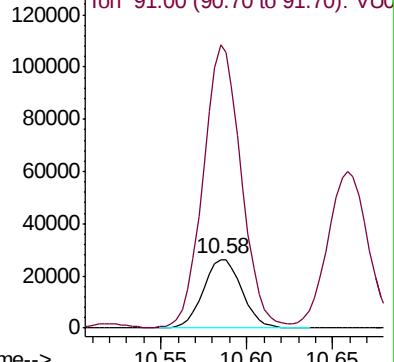
120 100

91 401.9 370.0 555.0



Abundance Ion 120.00 (119.70 to 120.70): V

Ion 91.00 (90.70 to 91.70): VU0



#74

2-Chlorotoluene

Concen: 2.031 ug/l

RT: 10.66 min Scan# 2976

Delta R.T. -0.00 min

Lab File: VU029385.D

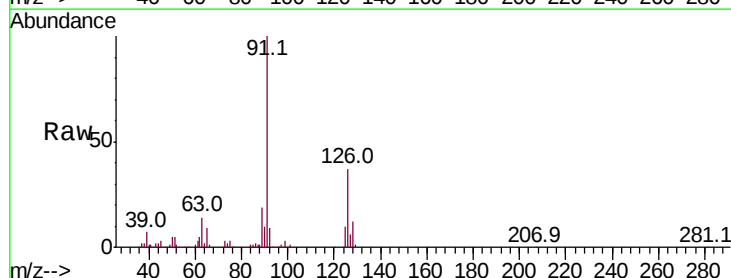
Acq: 08 Feb 2019 19:31

Tgt Ion:126 Resp: 35462

Ion Ratio Lower Upper

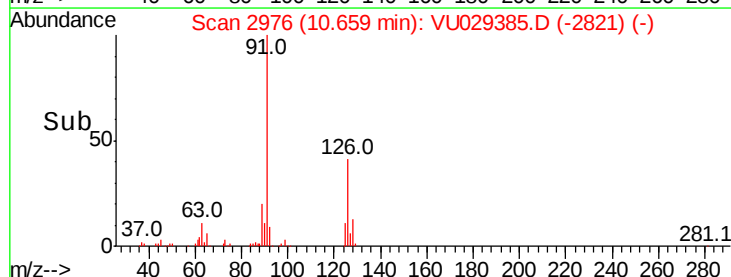
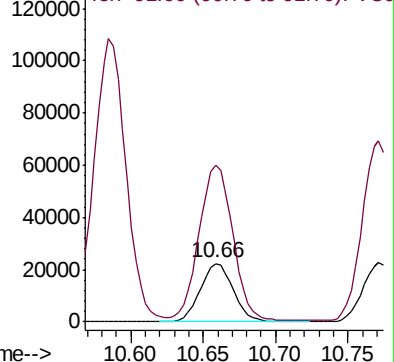
126 100

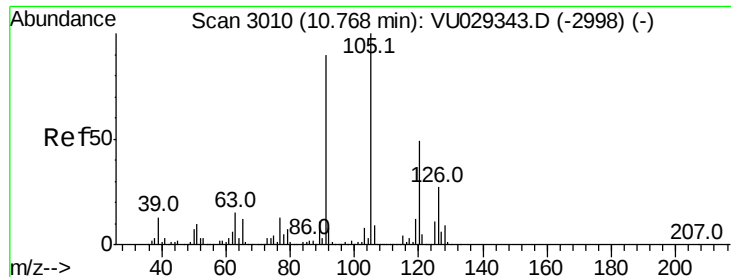
91 271.8 0.0 643.0



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: 1.879 ug/l

RT: 10.77 min Scan# 3011

Delta R.T. 0.00 min

Lab File: VU029385.D

Acq: 08 Feb 2019 19:31

Instrument :

MSVOA_U

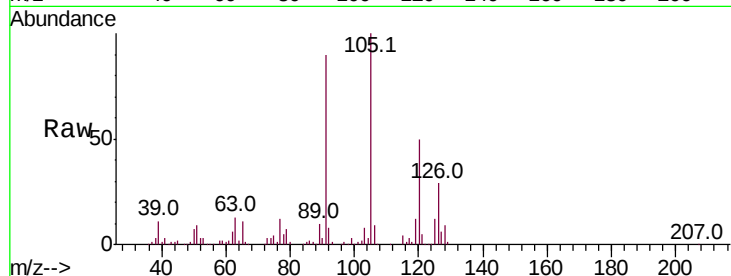
ClientSampleId :

Tot Ion:105 Resp: 119256

Ion Ratio Lower Upper

105 100

120 49.1 37.3 55.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

80000

60000

40000

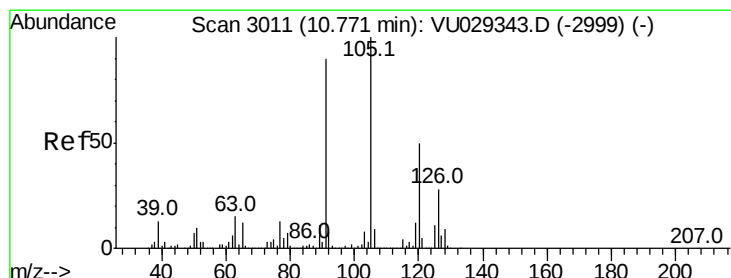
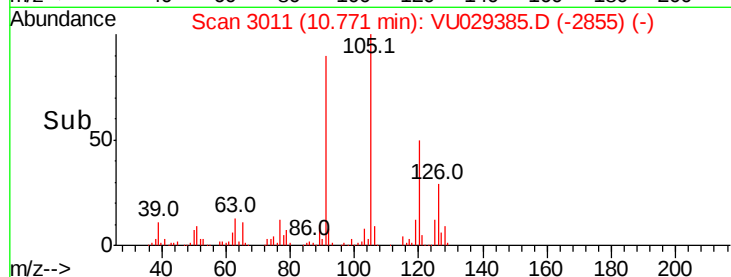
20000

0

10.77

10.70 10.80

Time-->



#76

4-Chlorotoluene

Concen: 1.990 ug/l

RT: 10.77 min Scan# 3011

Delta R.T. -0.00 min

Lab File: VU029385.D

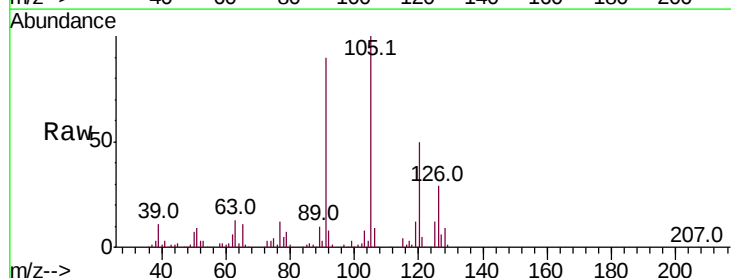
Acq: 08 Feb 2019 19:31

Tgt Ion:126 Resp: 36063

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

80000

60000

40000

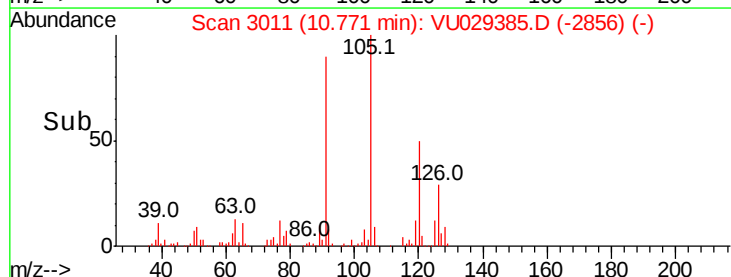
20000

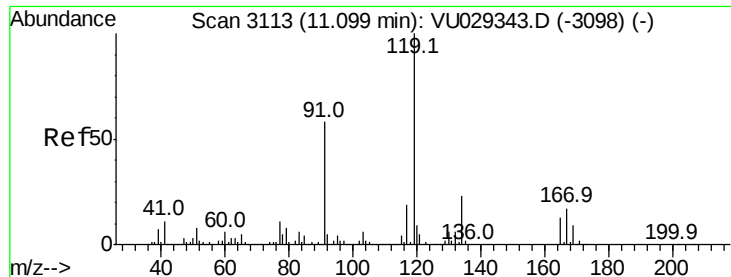
0

10.77

10.70 10.85

Time-->





#77

tert-Butylbenzene

Concen: 1.931 ug/l

RT: 11.10 min Scan# 3113

Delta R.T. -0.00 min

Lab File: VU029385.D

Acq: 08 Feb 2019 19:31

Instrument :

MSVOA_U

ClientSampleId :

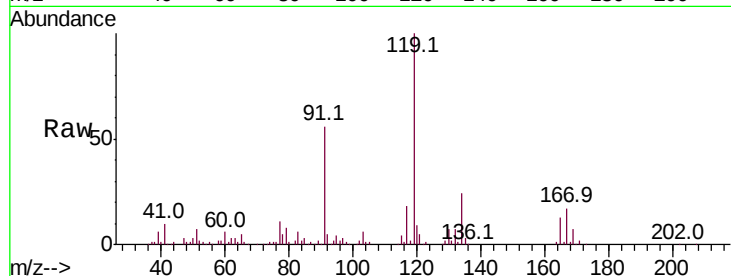
Tot Ion:119 Resp: 121149

Ion Ratio Lower Upper

119 100

91 56.5 32.2 96.6

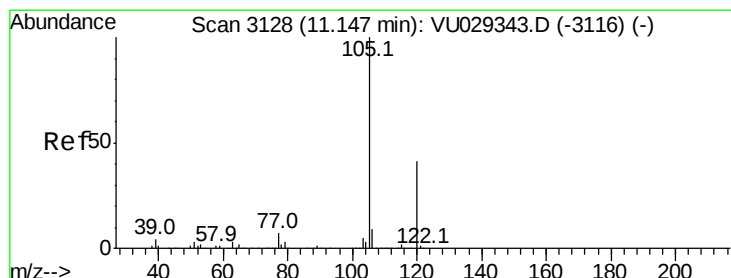
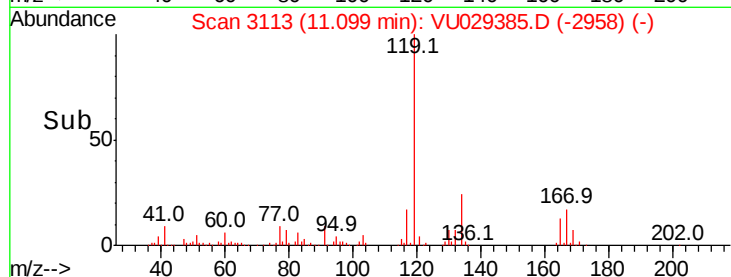
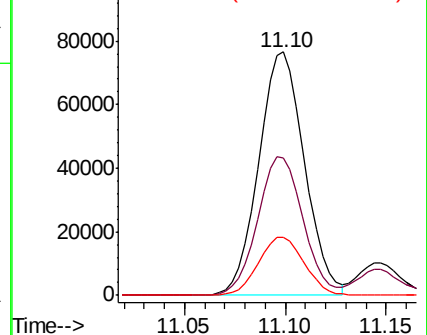
134 23.9 17.6 26.4



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: 1.907 ug/l

RT: 11.15 min Scan# 3128

Delta R.T. -0.00 min

Lab File: VU029385.D

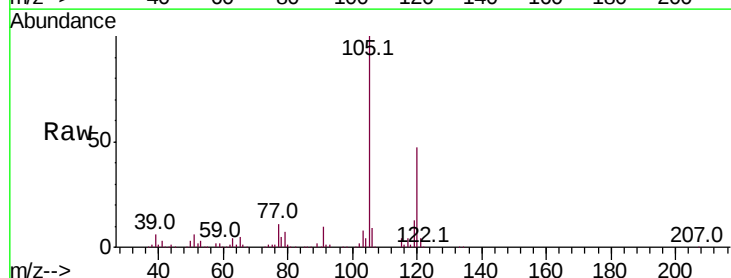
Acq: 08 Feb 2019 19:31

Tgt Ion:105 Resp: 122538

Ion Ratio Lower Upper

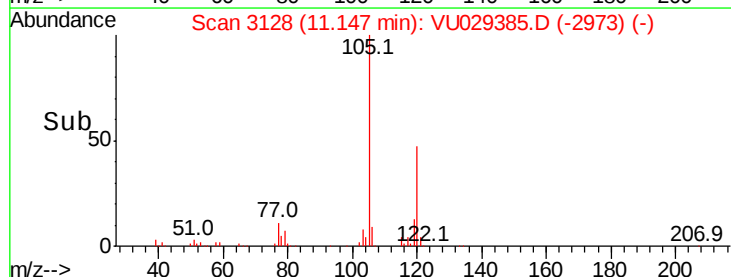
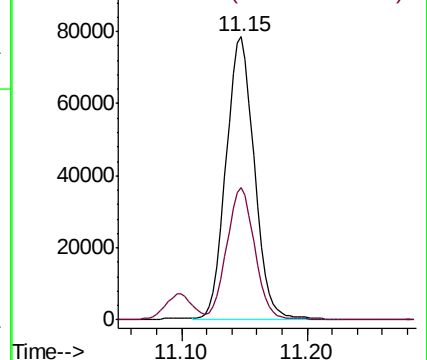
105 100

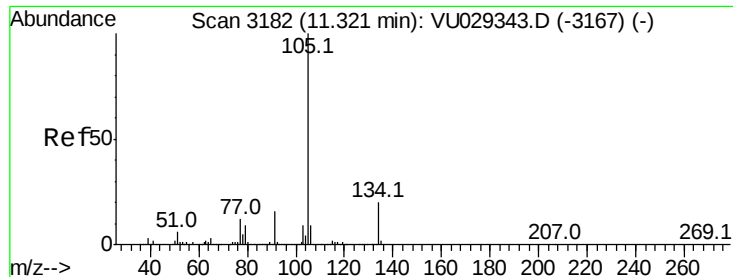
120 46.7 21.4 64.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#79

sec-Butylbenzene

Concen: 1.935 ug/l

RT: 11.32 min Scan# 3182

Delta R.T. -0.00 min

Lab File: VU029385.D

Acq: 08 Feb 2019 19:31

Instrument :

MSVOA_U

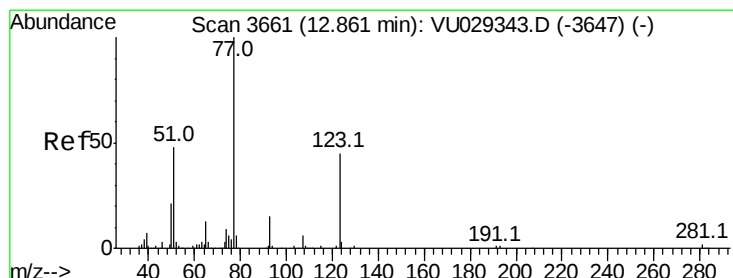
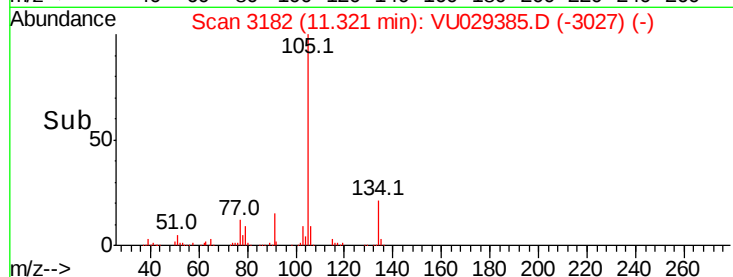
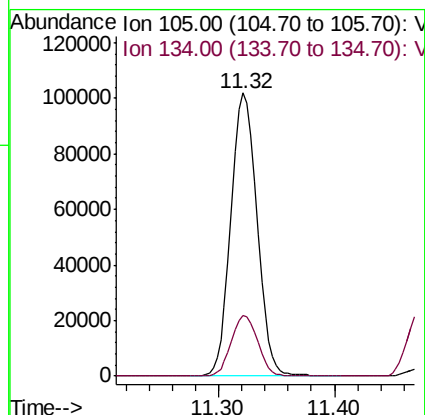
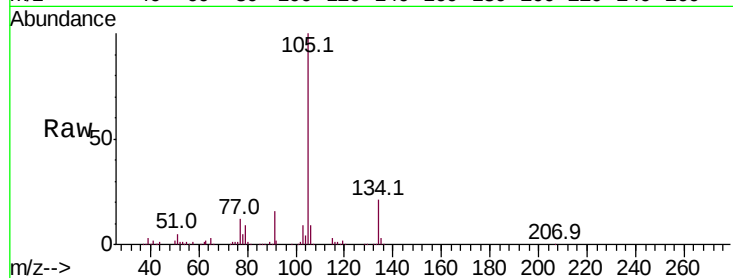
ClientSampleId :

Tot Ion:105 Resp: 158876

Ion Ratio Lower Upper

105 100

134 21.7 15.0 22.6



#80

Nitrobenzene

Concen: 0.316 ug/l

RT: 13.02 min Scan# 3710

Delta R.T. 0.16 min

Lab File: VU029385.D

Acq: 08 Feb 2019 19:31

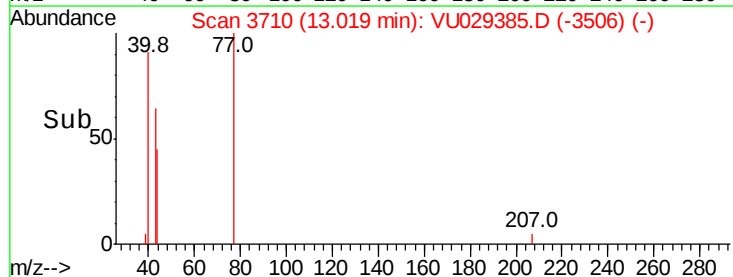
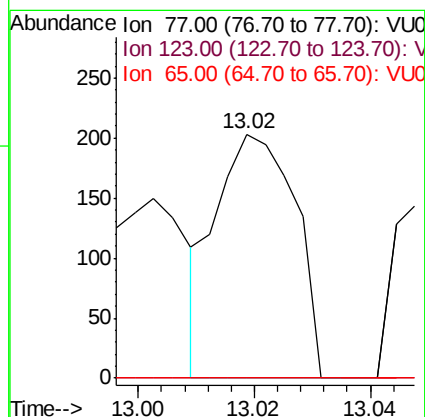
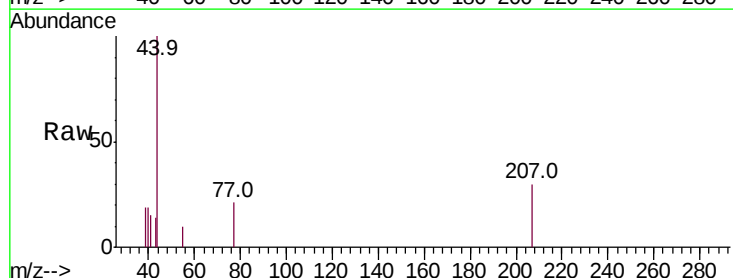
Tgt Ion: 77 Resp: 191

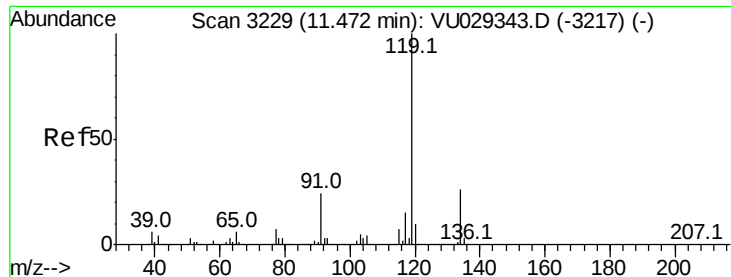
Ion Ratio Lower Upper

77 100

123 20.9 17.5 61.9

65 11.5 10.8 13.8

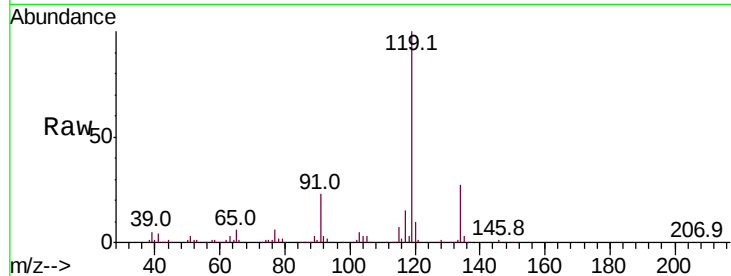




#81
p-Isopropyltoluene
Concen: 1.949 ug/l
RT: 11.47 min Scan# 3229
Delta R.T. -0.00 min
Lab File: VU029385.D
Acq: 08 Feb 2019 19:31

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
119	100		
134	27.3	19.8	29.6
91	22.2	21.5	32.3

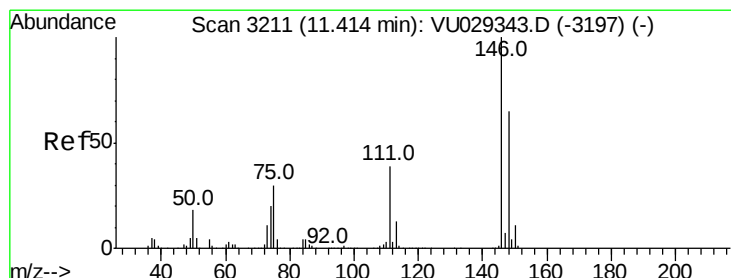
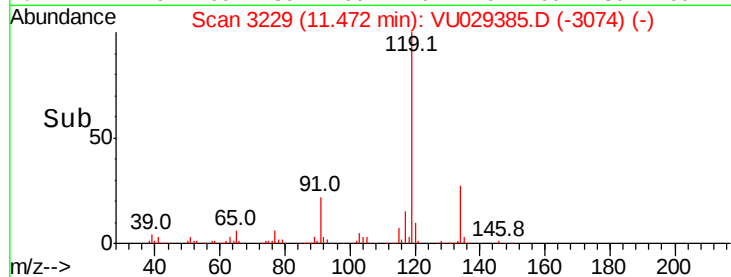
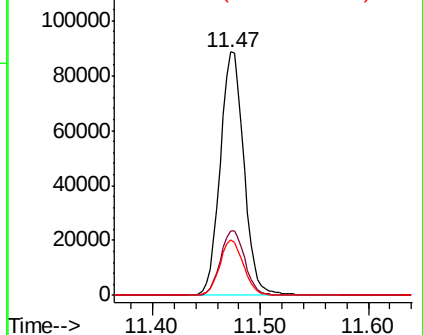


Abundance

Ion 119.00 (118.70 to 119.70): V

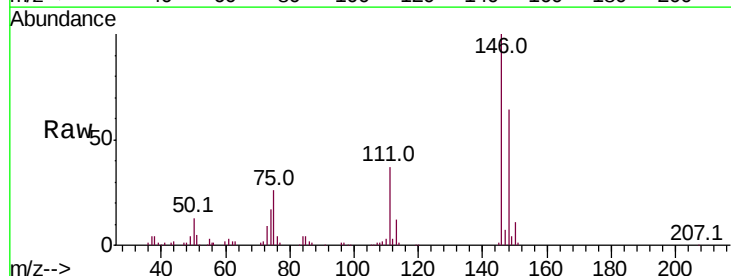
Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V



#82
1,3-Dichlorobenzene
Concen: 2.036 ug/l
RT: 11.42 min Scan# 3212
Delta R.T. 0.00 min
Lab File: VU029385.D
Acq: 08 Feb 2019 19:31

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.1	34.1	51.1
148	63.3	52.3	78.5

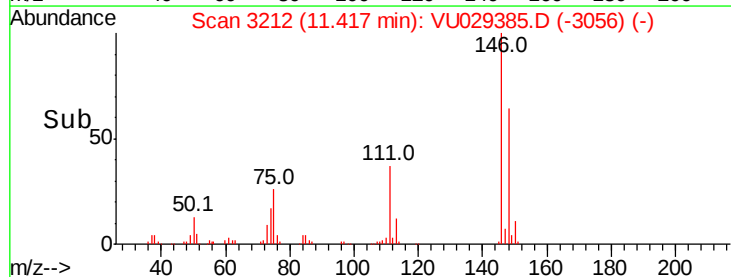
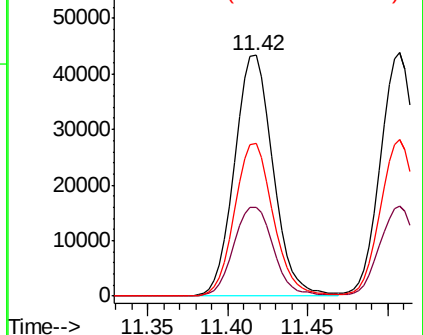


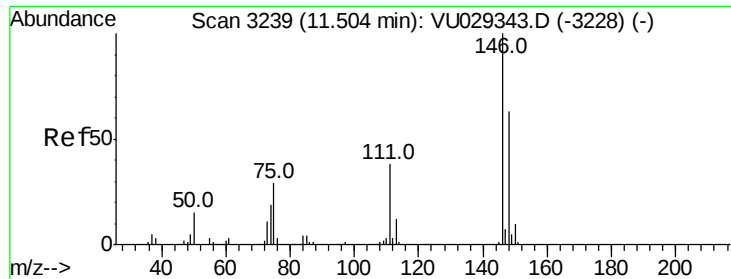
Abundance

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

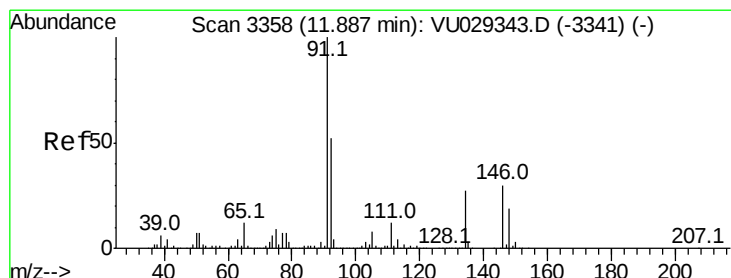
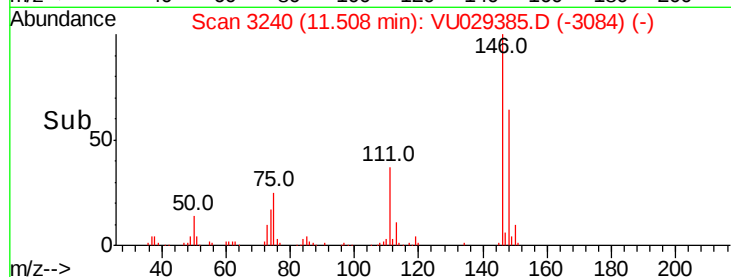
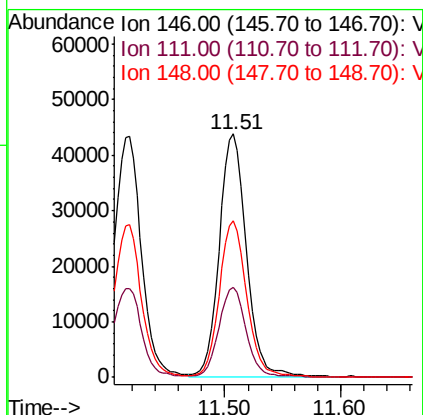
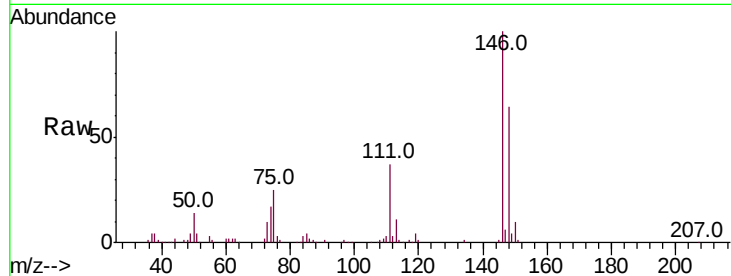




#83
 1,4-Dichlorobenzene
 Concen: 2.031 ug/l
 RT: 11.51 min Scan# 3240
 Delta R.T. 0.00 min
 Lab File: VU029385.D
 Acq: 08 Feb 2019 19:31

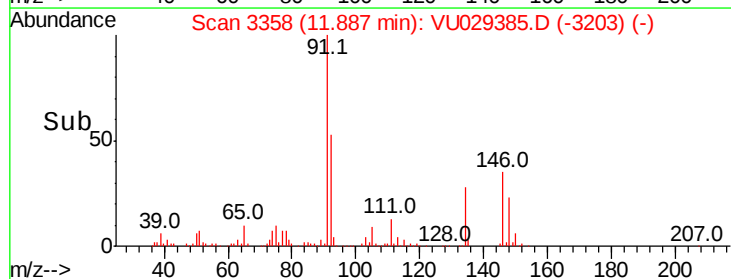
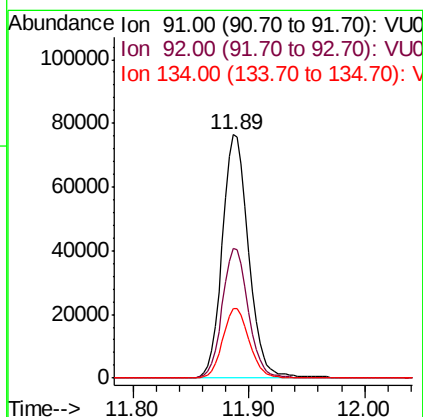
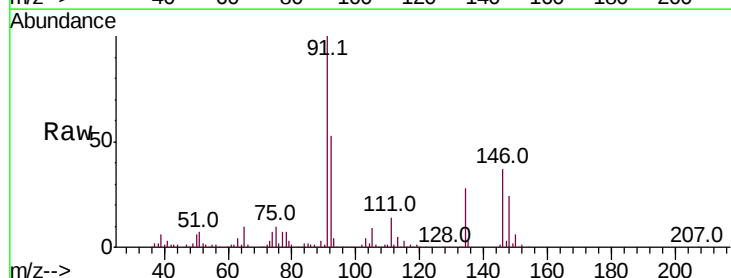
Instrument :
 MSVOA_U
 ClientSampled :

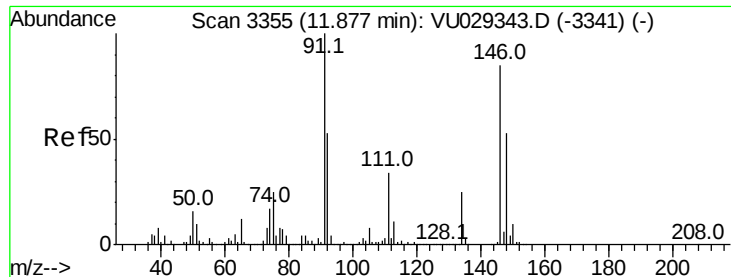
Tot Ion:146 Resp: 70834
 Ion Ratio Lower Upper
 146 100
 111 37.7 32.9 49.3
 148 65.1 51.8 77.6



#84
 n-Butylbenzene
 Concen: 1.875 ug/l
 RT: 11.89 min Scan# 3358
 Delta R.T. -0.00 min
 Lab File: VU029385.D
 Acq: 08 Feb 2019 19:31

Tgt Ion: 91 Resp: 119734
 Ion Ratio Lower Upper
 91 100
 92 52.7 41.0 61.6
 134 28.7 19.1 28.7#





#85

1,2-Dichlorobenzene

Concen: 2.055 ug/l

RT: 11.88 min Scan# 3355

Delta R.T. -0.00 min

Lab File: VU029385.D

Acq: 08 Feb 2019 19:31

Instrument :

MSVOA_U

ClientSampleId :

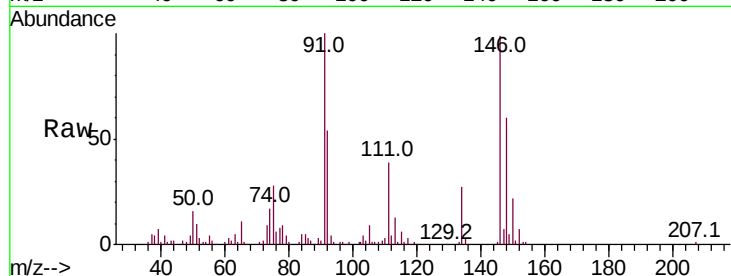
Tot Ion:146 Resp: 68048

Ion Ratio Lower Upper

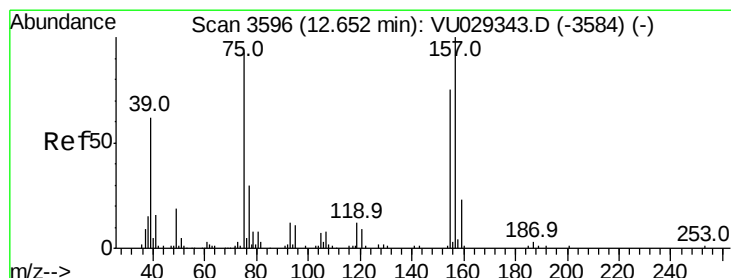
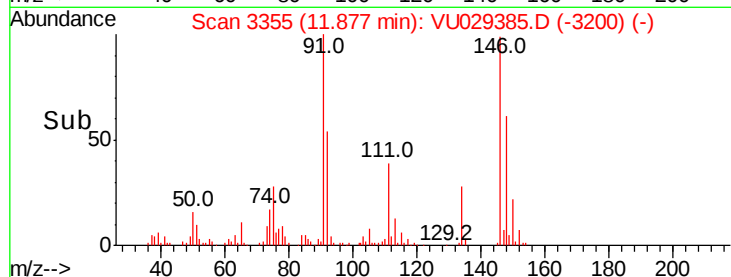
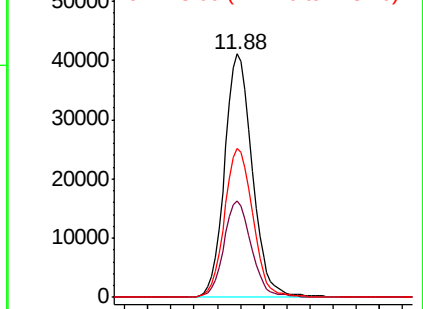
146 100

111 39.6 21.9 65.8

148 62.6 31.8 95.3



Abundance Ion 146.00 (145.70 to 146.70): V
Ion 111.00 (110.70 to 111.70): V
Ion 148.00 (147.70 to 148.70): V



#86

1,2-Dibromo-3-Chloropropane

Concen: 1.676 ug/l

RT: 12.66 min Scan# 3597

Delta R.T. 0.00 min

Lab File: VU029385.D

Acq: 08 Feb 2019 19:31

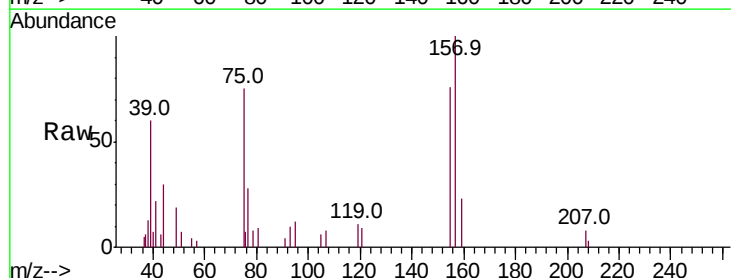
Tgt Ion: 75 Resp: 4246

Ion Ratio Lower Upper

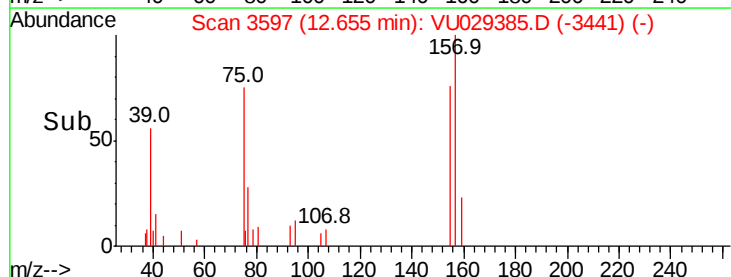
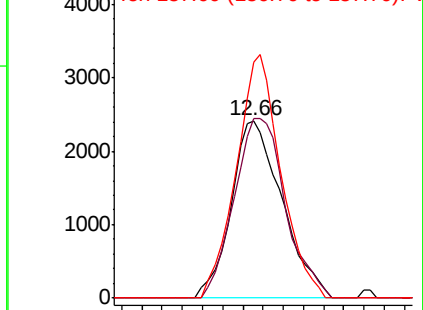
75 100

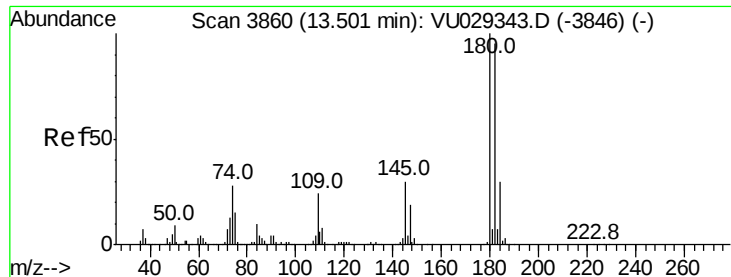
155 102.4 53.8 80.8#

157 120.4 69.2 103.8#



Abundance Ion 75.00 (74.70 to 75.70): VU0
Ion 155.00 (154.70 to 155.70): V
Ion 157.00 (156.70 to 157.70): V

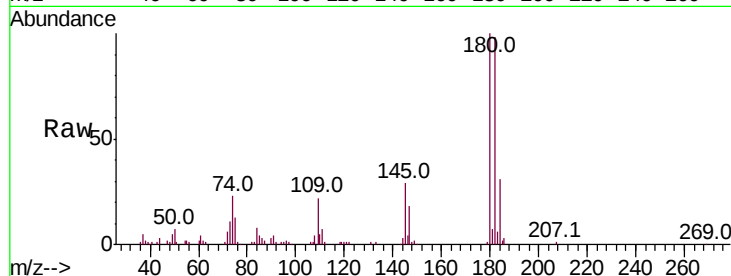




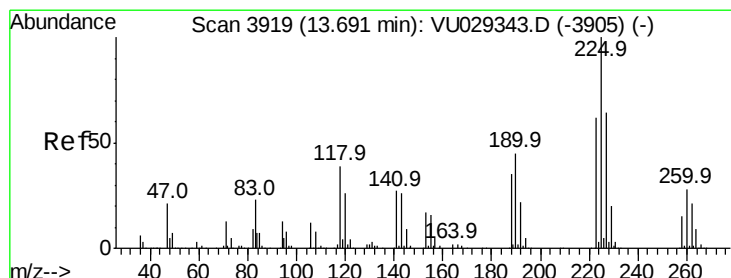
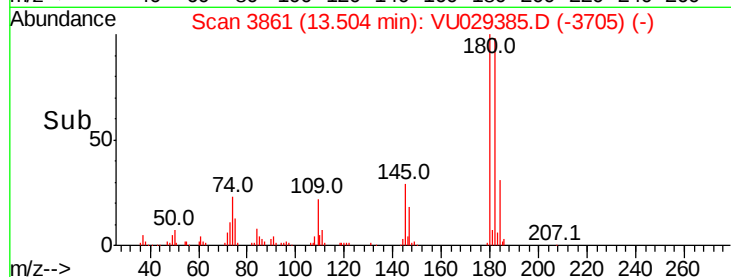
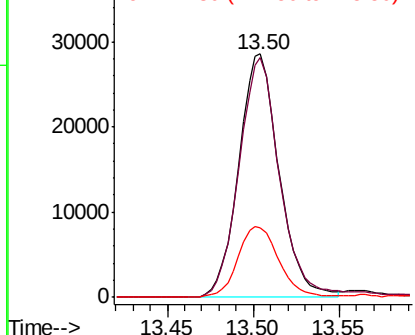
#87
 1,2,4-Trichlorobenzene
 Concen: 2.012 ug/l
 RT: 13.50 min Scan# 3861
 Delta R.T. 0.00 min
 Lab File: VU029385.D
 Acq: 08 Feb 2019 19:31

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion:180 Resp: 46784
 Ion Ratio Lower Upper
 180 100
 182 101.2 76.6 114.8
 145 29.7 24.6 36.8

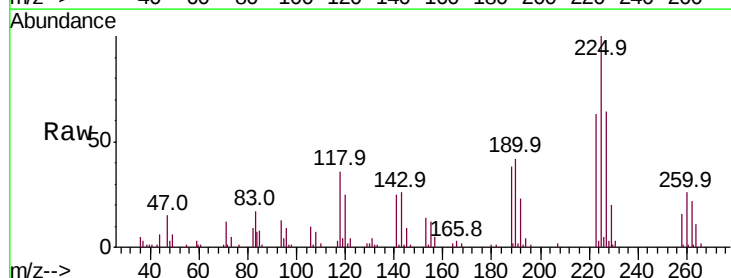


Abundance Ion 179.70 (179.40 to 180.40): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

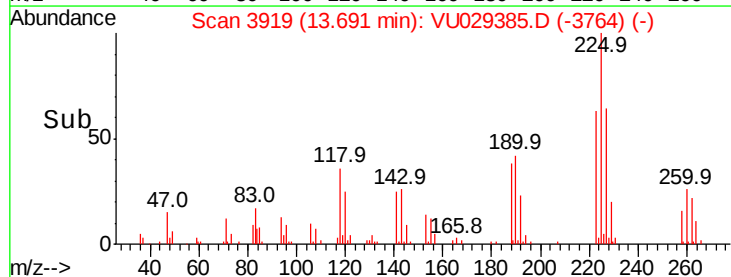
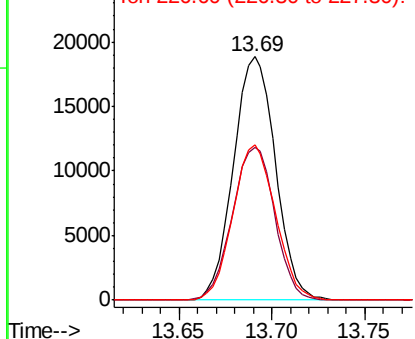


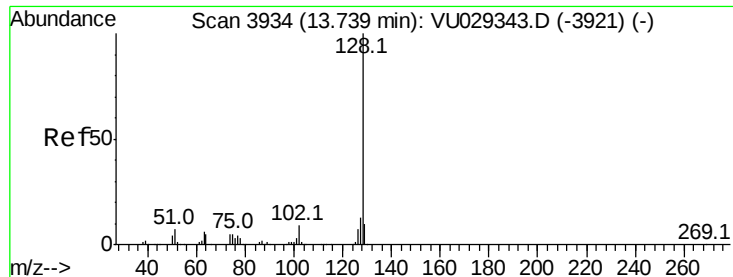
#88
 Hexachlorobutadiene
 Concen: 2.202 ug/l
 RT: 13.69 min Scan# 3919
 Delta R.T. -0.00 min
 Lab File: VU029385.D
 Acq: 08 Feb 2019 19:31

Tgt Ion:225 Resp: 29657
 Ion Ratio Lower Upper
 225 100
 223 63.2 49.5 74.3
 227 64.5 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: 2.040 ug/l

RT: 13.74 min Scan# 3935

Delta R.T. 0.00 min

Lab File: VU029385.D

Acq: 08 Feb 2019 19:31

Instrument :

MSVOA_U

ClientSampled :

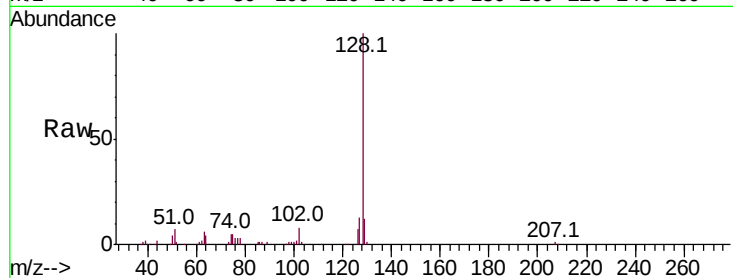
Tot Ion:128 Resp: 80439

Ion Ratio Lower Upper

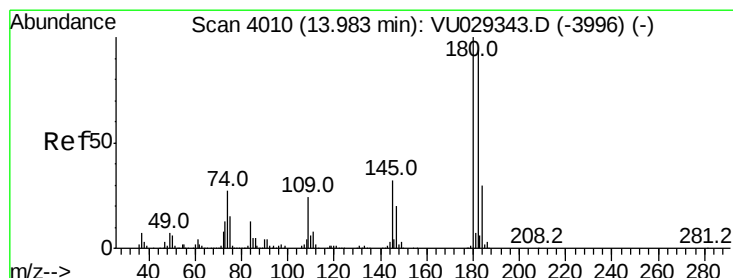
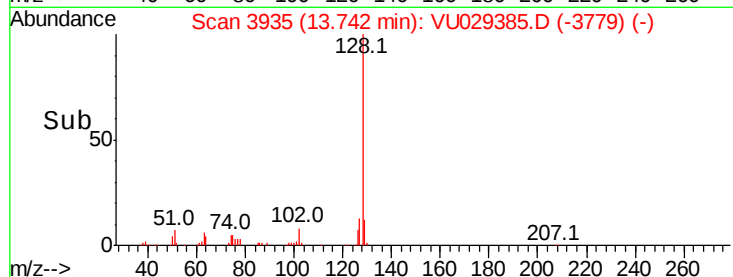
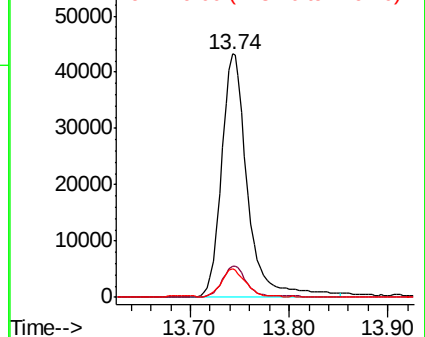
128 100

127 12.1 10.7 16.1

129 10.8 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: 2.136 ug/l

RT: 13.99 min Scan# 4011

Delta R.T. 0.00 min

Lab File: VU029385.D

Acq: 08 Feb 2019 19:31

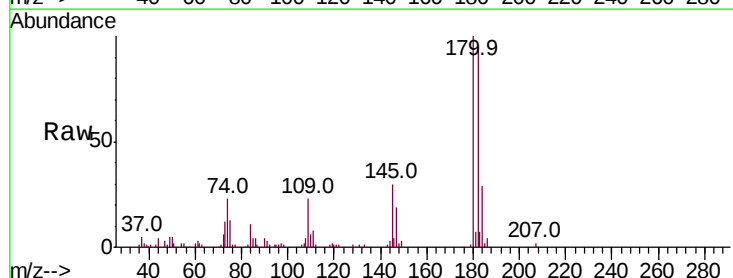
Tgt Ion:180 Resp: 45383

Ion Ratio Lower Upper

180 100

182 96.4 78.0 117.0

145 29.7 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

