

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU031019\
 Data File : VU029877.D
 Acq On : 08 Mar 2019 10:10
 Operator : JC/SP
 Sample : MDL06
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 MDL06

Quant Time: Mar 08 21:49:50 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\524U030719DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Fri Mar 08 00:30:10 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene	5.74	96	59818	1.00	ug/l	0.00

System Monitoring Compounds

57) 4-Bromofluorobenzene	10.31	95	19158	0.89	ug/l	0.00
Spiked Amount 1.000			Recovery	=	89.00%	
68) 1,2-Dichlorobenzene-d4	11.86	152	22356	0.90	ug/l	0.00
Spiked Amount 1.000			Recovery	=	90.00%	

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.20	85	4726	0.236 ug/l	98
3) Chloromethane	1.33	50	5000	0.281 ug/l	93
4) Vinyl Chloride	1.40	62	5167	0.258 ug/l	90
5) Bromomethane	1.63	94	4376	0.320 ug/l	93
6) Chloroethane	1.70	64	3417	0.284 ug/l	96
7) Trichlorofluoromethane	1.88	101	6876	0.252 ug/l	98
8) 1,1,2-Trichloro-1,2,2-trif	2.28	101	3589	0.226 ug/l	89
9) 1,1-Dichloroethene	2.28	96	4102	0.264 ug/l	98
10) Iodomethane	2.41	142	2406	0.713 ug/l	95
11) Allyl Chloride	2.59	41	5282	0.241 ug/l	96
12) Acrylonitrile	2.93	53	2065	0.609 ug/l	93
13) Acetone	2.32	43	3950	1.406 ug/l	89
14) Carbon Disulfide	2.47	76	12597	0.250 ug/l	95
15) Methylene Chloride	2.69	84	6328	0.339 ug/l	93
16) trans-1,2-Dichloroethene	2.98	96	4147	0.236 ug/l	90
17) 1,1-Dichloroethane	3.44	63	8263	0.281 ug/l	98
18) 2-Butanone	4.29	43	4444	1.164 ug/l	97
19) Cyclohexane	4.99	56	5092	0.223 ug/l	92
20) Methylcyclohexane	6.41	83	6204	0.233 ug/l	95
21) 2,2-Dichloropropane	4.22	77	7445	0.310 ug/l #	70
22) cis-1,2-Dichloroethene	4.22	96	4816	0.259 ug/l	83
23) Diethyl Ether	2.10	59	2762	0.237 ug/l #	87
24) tert-Butyl Alcohol	2.83	59	4344	3.610 ug/l	98
25) Methyl tert-Butyl Ether	3.00	73	10159	0.259 ug/l	94
26) Bromochloromethane	4.55	128	1942	0.235 ug/l	91
27) Chloroform	4.67	83	7719	0.259 ug/l	97
28) 1,1,1-Trichloroethane	4.91	97	6559	0.260 ug/l	95
29) 1,1-Dichloropropene	5.13	75	5147	0.229 ug/l	98
30) Carbon Tetrachloride	5.12	117	5237	0.238 ug/l	90
31) Isopropyl Ether	3.58	45	10668	0.263 ug/l	89
32) Ethyl-t-butyl ether	4.07	59	9984	0.253 ug/l	99
33) Tert-Amyl methyl ether	5.59	73	8774	0.241 ug/l	100
34) Propionitrile	4.34	54	734	0.646 ug/l #	50
35) Benzene	5.38	78	17702	0.268 ug/l	96
36) 1,2-Dichloroethane	5.41	62	4487	0.249 ug/l	98
37) Trichloroethene	6.19	130	4774	0.247 ug/l	86
38) 1,2-Dichloropropane	6.43	63	3769	0.225 ug/l	89
39) Methacrylonitrile	4.55	41	813	0.170 ug/l #	83
40) Methyl acrylate	4.43	55	320	0.042 ug/l #	66
41) Tetrahydrofuran	4.66	42	1368	0.547 ug/l #	57
42) 1-Chlorobutane	5.06	56	7293	0.254 ug/l	96

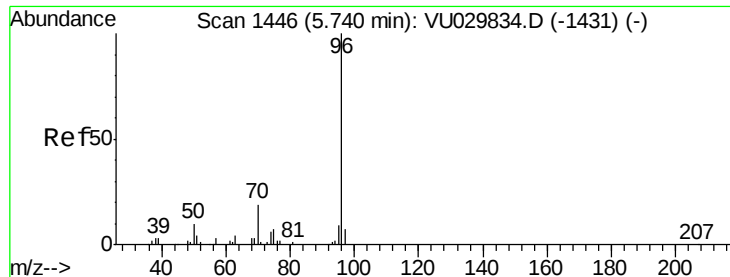
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU031019\
 Data File : VU029877.D
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Quant Time: Mar 08 21:49:50 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\524U030719DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Fri Mar 08 00:30:10 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Dibromomethane	6.56	93	2022	0.233	ug/l	91
44) Bromodichloromethane	6.76	83	4650	0.218	ug/l	96
45) 4-Methyl-2-Pentanone	7.47	43	9911	1.096	ug/l	96
46) t-1,4-Dichloro-2-butene	10.49	75	4370	1.156	ug/l #	38
47) Methyl methacrylate	6.64	69	2987	0.401	ug/l #	94
48) Ethyl methacrylate	8.03	69	2849	0.200	ug/l	92
49) Toluene	7.64	92	9019	0.222	ug/l	90
50) t-1,3-Dichloropropene	7.89	75	3952	0.212	ug/l #	87
51) cis-1,3-Dichloropropene	7.28	75	4962	0.215	ug/l #	89
52) 1,1,2-Trichloroethane	8.07	97	3060	0.238	ug/l	94
53) 1,3-Dichloropropane	8.25	76	5103	0.242	ug/l	99
54) 2-Hexanone	8.37	43	6818	1.086	ug/l	96
55) Dibromochloromethane	8.48	129	3467	0.228	ug/l	98
56) 1,2-Dibromoethane	8.59	107	2903	0.239	ug/l	90
58) Tetrachloroethene	8.22	164	6085	0.309	ug/l	88
59) Chlorobenzene	9.12	112	10826	0.232	ug/l	93
60) 1,1,1,2-Tetrachloroethane	9.21	131	3812	0.228	ug/l	99
61) Pentachloroethane	11.10	117	2570	0.221	ug/l	91
62) Hexachloroethane	12.14	117	2548	0.208	ug/l	97
63) Ethyl Benzene	9.25	91	16665	0.218	ug/l	99
64) m/p-Xylenes	9.37	106	13461	0.446	ug/l	93
65) o-Xylene	9.78	106	6079	0.210	ug/l	89
66) Styrene	9.79	104	9293	0.193	ug/l	96
67) Bromoform	9.96	173	1967	0.220	ug/l #	95
69) Isopropylbenzene	10.16	105	16666	0.217	ug/l	98
70) 1,1,2,2-Tetrachloroethane	10.46	83	3834	0.245	ug/l #	94
71) 1,2,3-Trichloropropane	10.49	75	4370	0.376	ug/l #	81
72) Bromobenzene	10.45	156	4521	0.222	ug/l	84
73) n-propylbenzene	10.59	120	4378	0.202	ug/l	93
74) 2-Chlorotoluene	10.66	126	4171	0.217	ug/l	93
75) 1,3,5-Trimethylbenzene	10.77	105	13020	0.201	ug/l	99
76) 4-Chlorotoluene	10.77	126	4181	0.214	ug/l	88
77) tert-Butylbenzene	11.10	119	13380	0.209	ug/l	96
78) 1,2,4-Trimethylbenzene	11.15	105	13041	0.199	ug/l	93
79) sec-Butylbenzene	11.32	105	17903	0.211	ug/l	97
80) Nitrobenzene	12.66	77	69	0.243	ug/l #	39
81) p-Isopropyltoluene	11.48	119	13757	0.193	ug/l	99
82) 1,3-Dichlorobenzene	11.42	146	9347	0.232	ug/l	99
83) 1,4-Dichlorobenzene	11.51	146	8481	0.215	ug/l	92
84) n-Butylbenzene	11.89	91	12083	0.186	ug/l	98
85) 1,2-Dichlorobenzene	11.88	146	9204	0.242	ug/l	97
86) 1,2-Dibromo-3-Chloropropan	12.66	75	380	0.170	ug/l	90
87) 1,2,4-Trichlorobenzene	13.51	180	4595	0.189	ug/l	89
88) Hexachlorobutadiene	13.69	225	3647	0.238	ug/l	94
89) Naphthalene	13.75	128	4743	0.554	ug/l	98
90) 1,2,3-Trichlorobenzene	13.99	180	4372	0.191	ug/l	88

(#) = 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: VU029877.D

Acq: 08 Mar 2019 10:10

Instrument :

MSVOA_U

ClientSampleId :

MDL06

Tgt Ion: 96 Resp: 59818

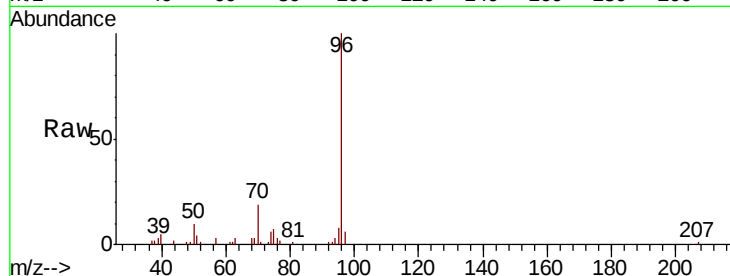
Ion Ratio Lower Upper

96 100

70 17.6 14.4 21.6

95 8.2 7.0 10.6

97 6.3 0.0 0.0#

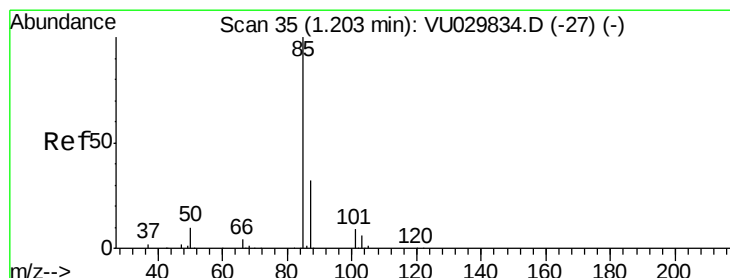
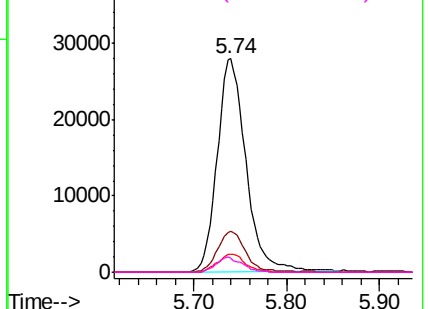
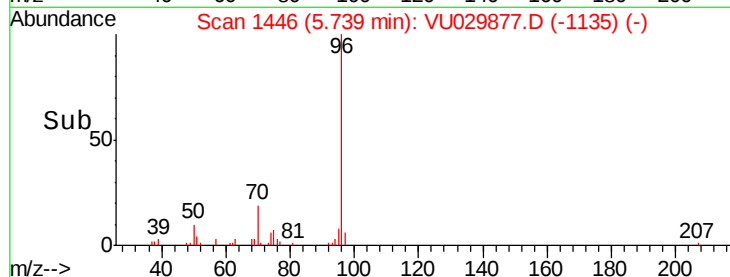


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 70.00 (69.70 to 70.70): VU0

Ion 95.00 (94.70 to 95.70): VU0

Ion 97.00 (96.70 to 97.70): VU0



#2

Dichlorodifluoromethane

Concen: 0.236 ug/l

RT: 1.20 min Scan# 35

Delta R.T. -0.00 min

Lab File: VU029877.D

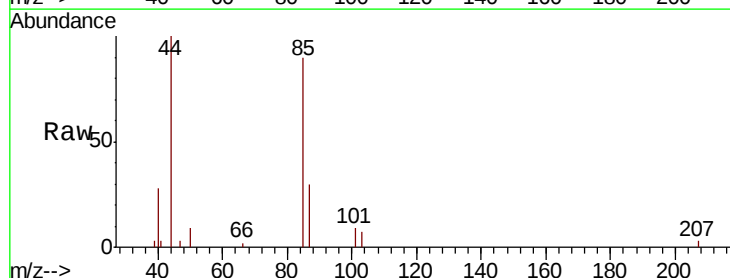
Acq: 08 Mar 2019 10:10

Tgt Ion: 85 Resp: 4726

Ion Ratio Lower Upper

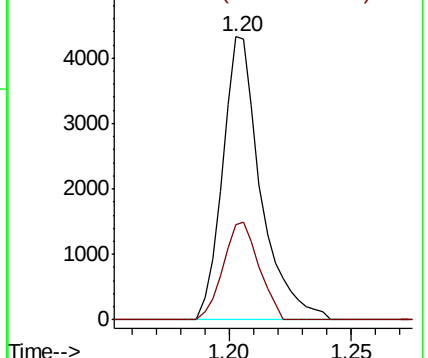
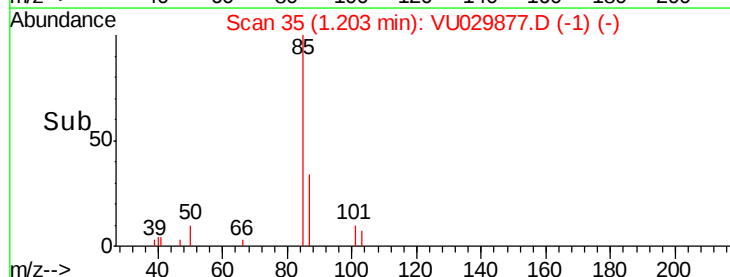
85 100

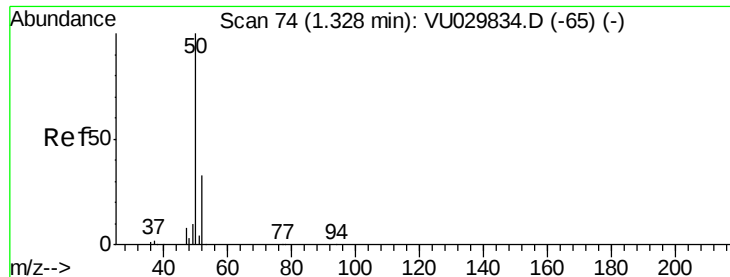
87 33.6 16.2 48.6



Abundance Ion 85.00 (84.70 to 85.70): VU0

Ion 87.00 (86.70 to 87.70): VU0





#3

Chloromethane

Concen: 0.281 ug/l

RT: 1.33 min Scan# 74

Delta R.T. -0.00 min

Lab File: VU029877.D

Acq: 08 Mar 2019 10:10

Instrument :

MSVOA_U

ClientSampleId :

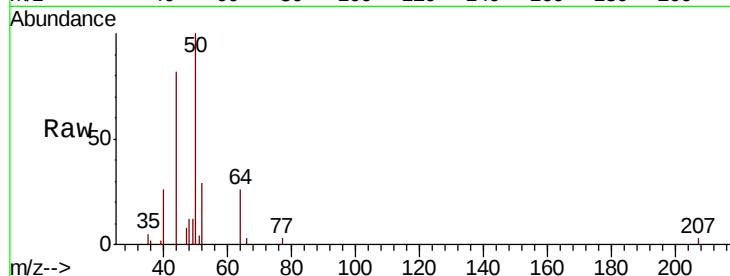
MDL06

Tgt Ion: 50 Resp: 5000

Ion Ratio Lower Upper

50 100

52 28.9 26.5 39.7



Abundance Ion 50.00 (49.70 to 50.70): VU0

Ion 52.00 (51.70 to 52.70): VU0

1.33

5000

4000

3000

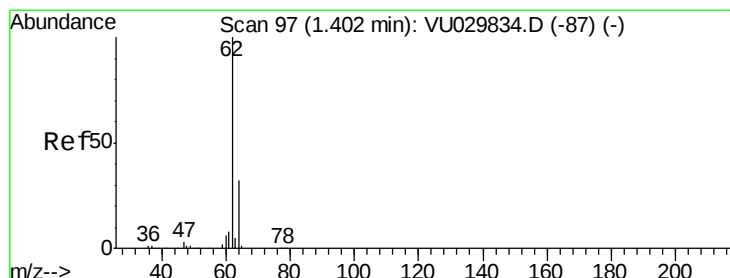
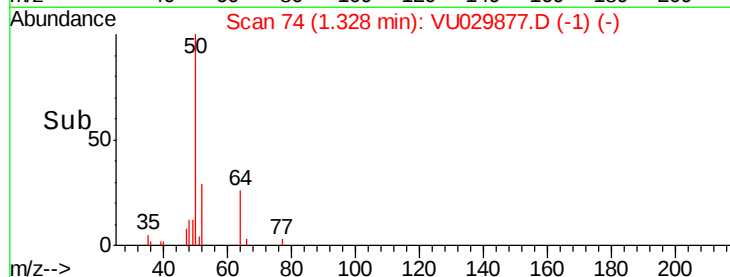
2000

1000

0

Time-->

1.30 1.35



#4

Vinyl Chloride

Concen: 0.258 ug/l

RT: 1.40 min Scan# 97

Delta R.T. -0.00 min

Lab File: VU029877.D

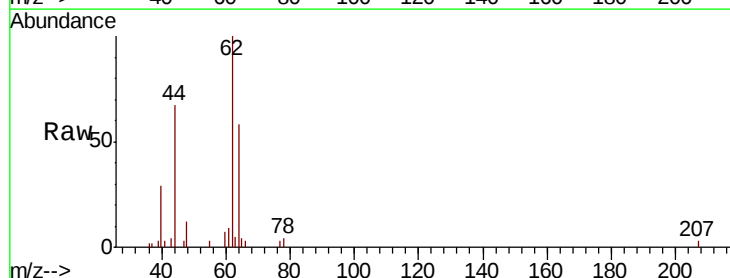
Acq: 08 Mar 2019 10:10

Tgt Ion: 62 Resp: 5167

Ion Ratio Lower Upper

62 100

64 37.9 25.7 38.5



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 64.00 (63.70 to 64.70): VU0

1.40

5000

4000

3000

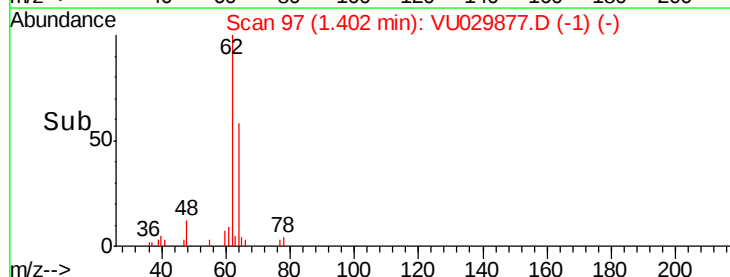
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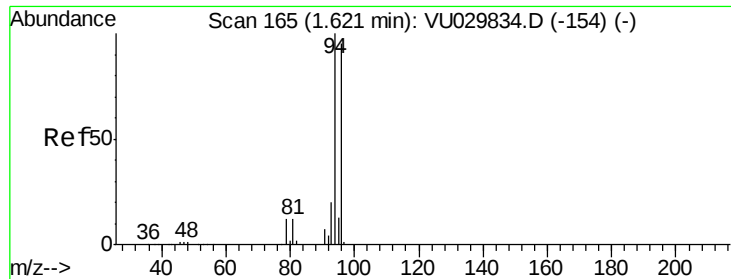
1000

0

Time-->

1.36 1.38 1.40 1.42 1.44





#5

Bromomethane

Concen: 0.320 ug/l

RT: 1.63 min Scan# 167

Delta R.T. 0.01 min

Lab File: VU029877.D

Acq: 08 Mar 2019 10:10

Instrument :

MSVOA_U

ClientSampleId :

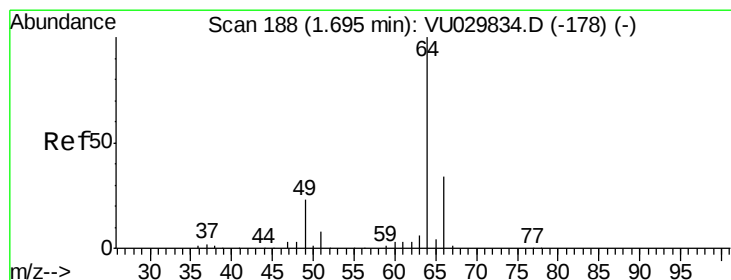
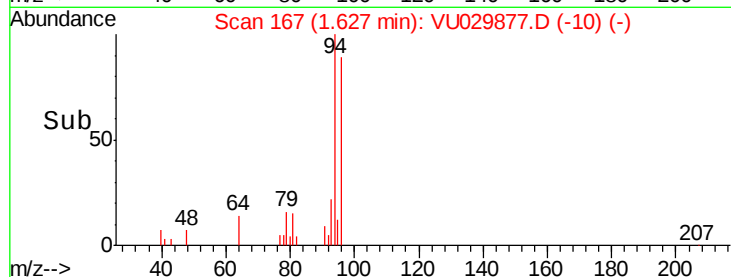
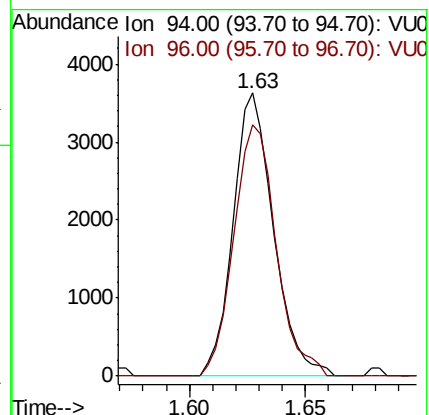
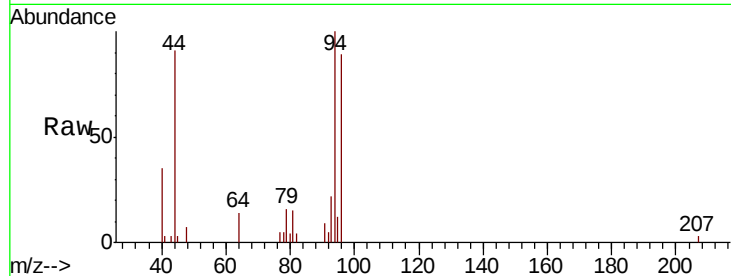
MDL06

Tgt Ion: 94 Resp: 4376

Ion Ratio Lower Upper

94 100

96 88.8 76.4 114.6



#6

Chloroethane

Concen: 0.284 ug/l

RT: 1.70 min Scan# 189

Delta R.T. 0.00 min

Lab File: VU029877.D

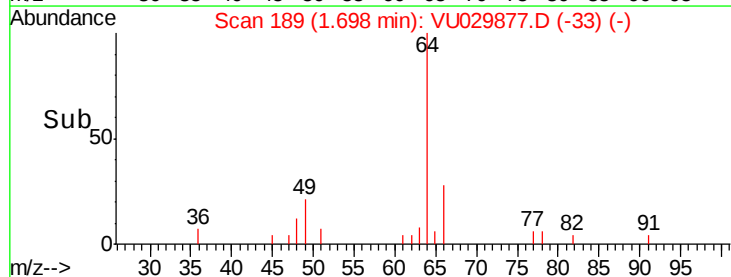
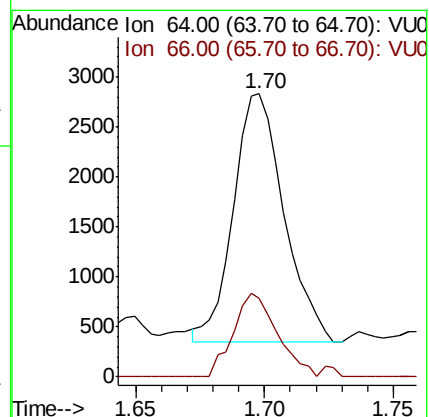
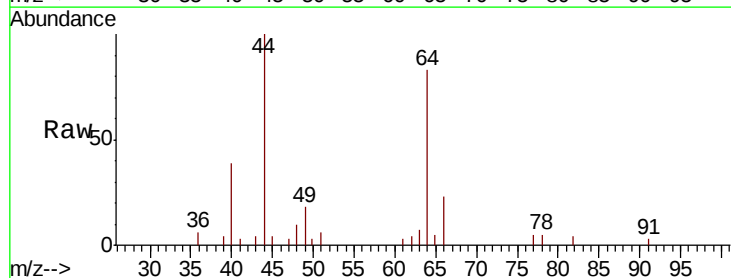
Acq: 08 Mar 2019 10:10

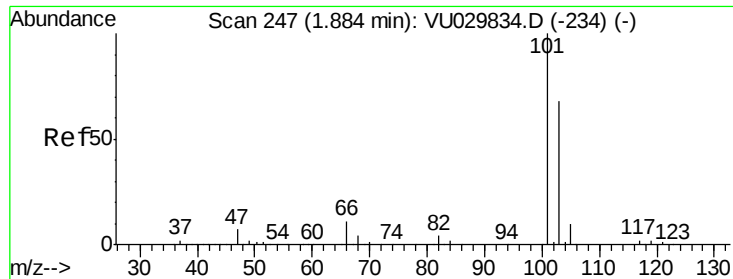
Tgt Ion: 64 Resp: 3417

Ion Ratio Lower Upper

64 100

66 31.8 27.3 40.9





#7

Trichlorofluoromethane

Concen: 0.252 ug/l

RT: 1.88 min Scan# 247

Delta R.T. -0.00 min

Lab File: VU029877.D

Acq: 08 Mar 2019 10:10

Instrument :

MSVOA_U

ClientSampleId :

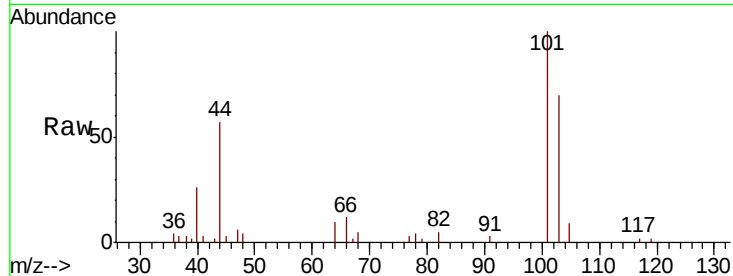
MDL06

Tgt Ion:101 Resp: 6876

Ion Ratio Lower Upper

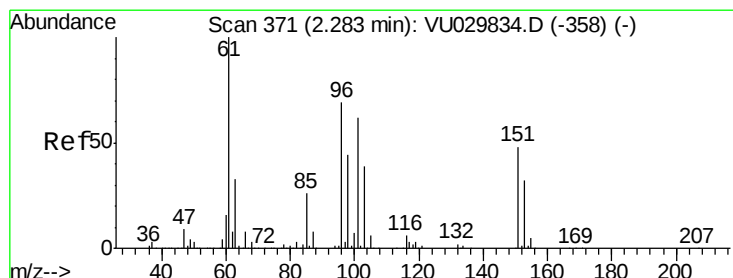
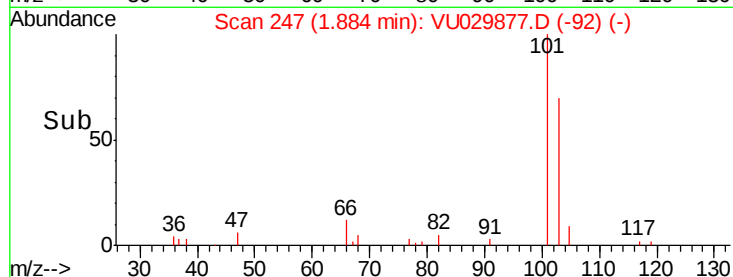
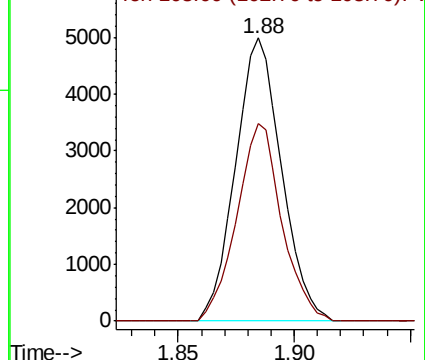
101 100

103 69.6 54.2 81.2



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V



#8

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 0.226 ug/l

RT: 2.28 min Scan# 371

Delta R.T. -0.00 min

Lab File: VU029877.D

Acq: 08 Mar 2019 10:10

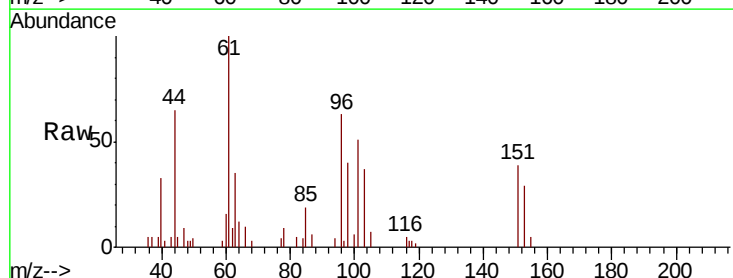
Tgt Ion:101 Resp: 3589

Ion Ratio Lower Upper

101 100

85 46.8 33.4 50.0

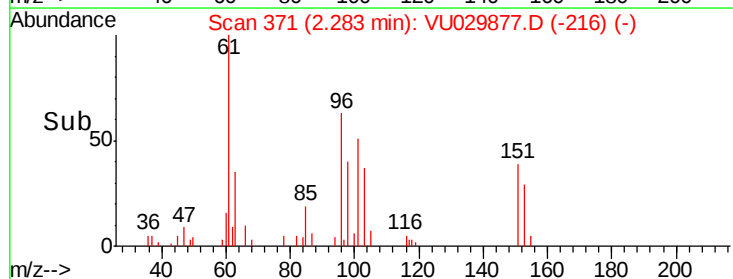
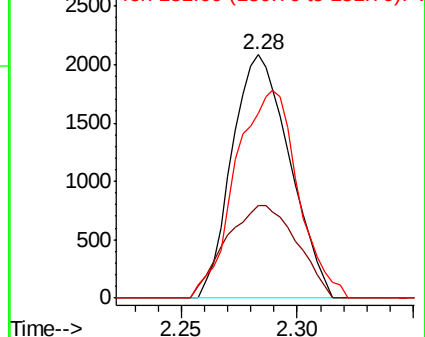
151 92.2 64.6 97.0

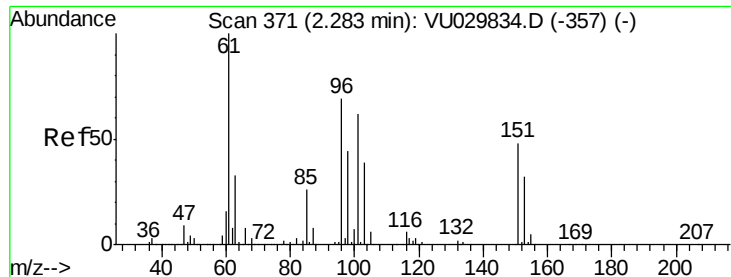


Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VU0

Ion 151.00 (150.70 to 151.70): V

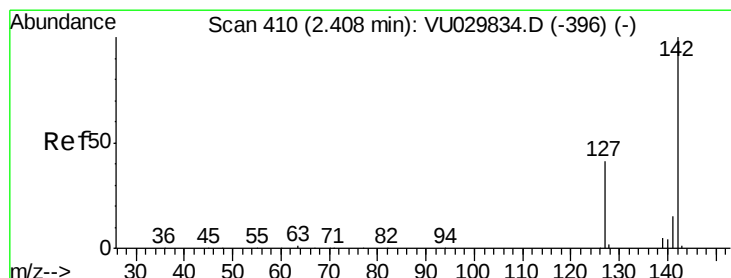
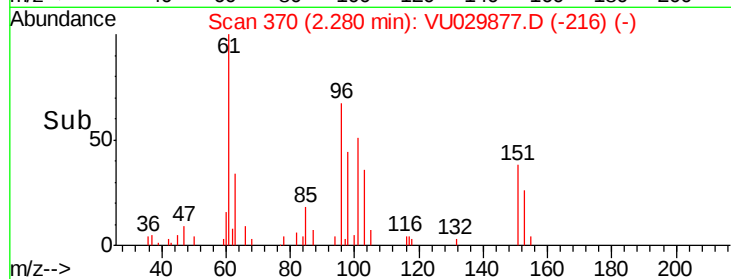
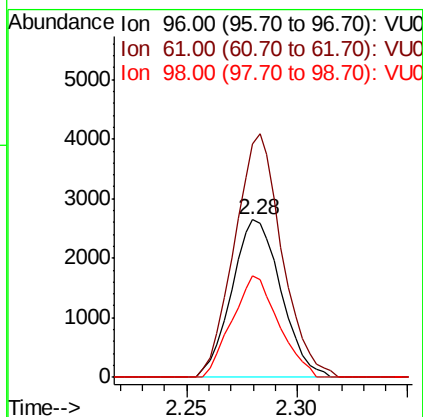
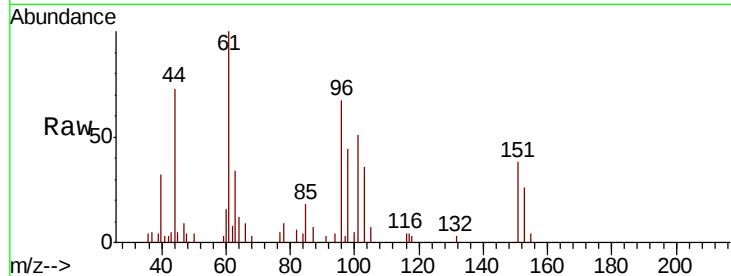




#9
 1,1-Dichloroethene
 Concen: 0.264 ug/l
 RT: 2.28 min Scan# 370
 Delta R.T. -0.00 min
 Lab File: VU029877.D
 Acq: 08 Mar 2019 10:10

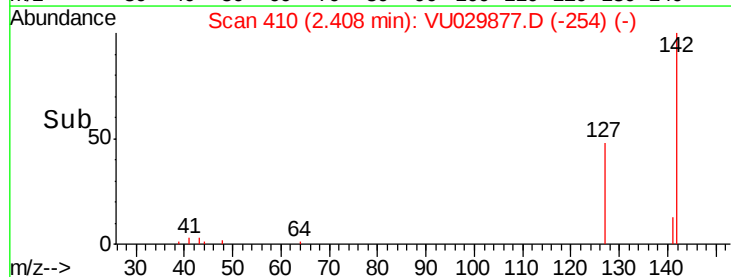
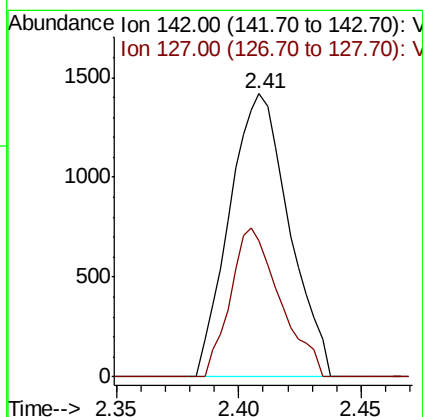
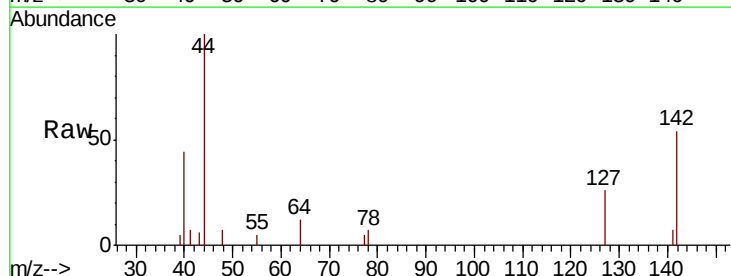
Instrument :
 MSVOA_U
 ClientSampleId :
 MDL06

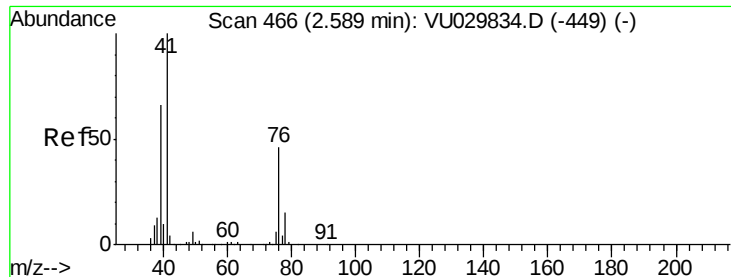
Tgt Ion: 96 Resp: 4102
 Ion Ratio Lower Upper
 96 100
 61 148.3 0.0 435.3
 98 64.8 0.0 128.6



#10
 Iodomethane
 Concen: 0.713 ug/l
 RT: 2.41 min Scan# 410
 Delta R.T. 0.00 min
 Lab File: VU029877.D
 Acq: 08 Mar 2019 10:10

Tgt Ion: 142 Resp: 2406
 Ion Ratio Lower Upper
 142 100
 127 43.7 32.3 48.5

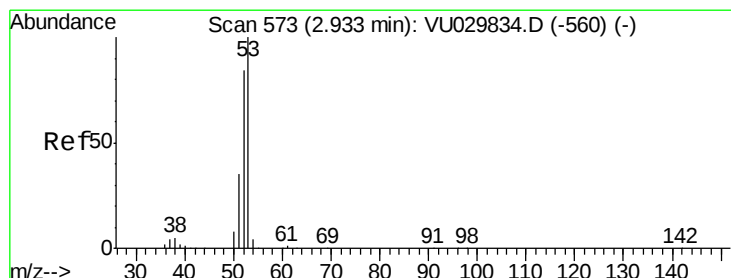
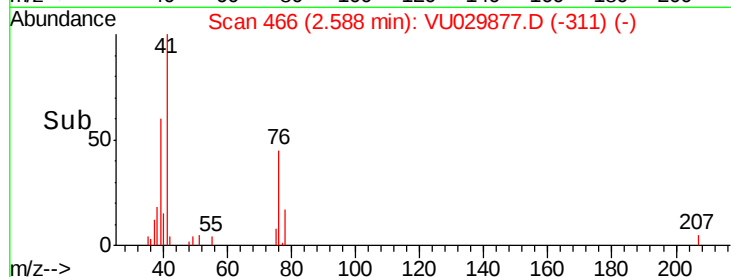
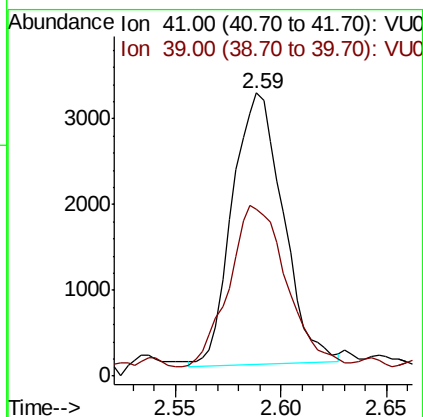
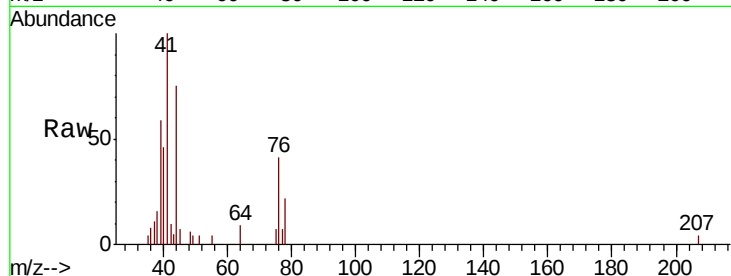




#11
 Allyl Chloride
 Concen: 0.241 ug/l
 RT: 2.59 min Scan# 466
 Delta R.T. -0.00 min
 Lab File: VU029877.D
 Acq: 08 Mar 2019 10:10

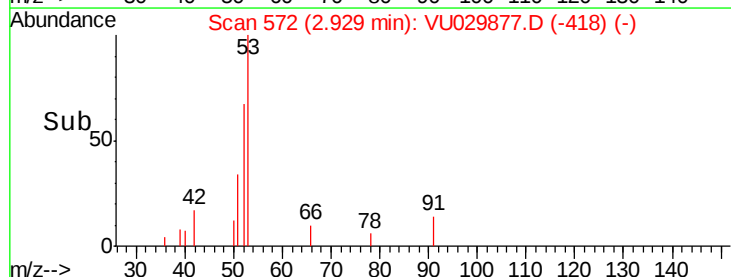
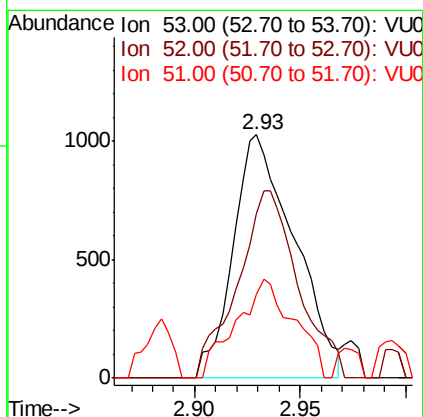
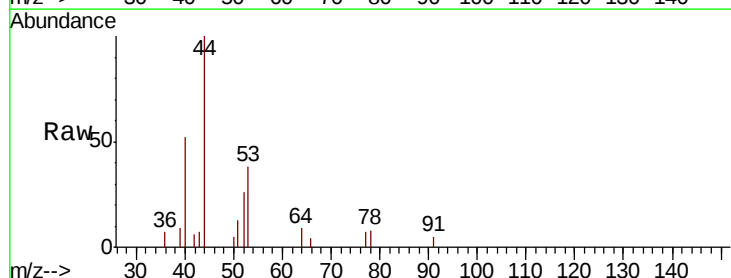
Instrument :
 MSVOA_U
 ClientSampled :
 MDL06

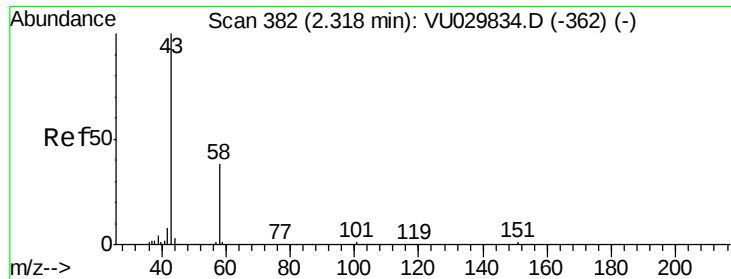
Tgt Ion: 41 Resp: 5282
 Ion Ratio Lower Upper
 41 100
 39 67.7 51.6 77.4



#12
 Acrylonitrile
 Concen: 0.609 ug/l
 RT: 2.93 min Scan# 572
 Delta R.T. -0.00 min
 Lab File: VU029877.D
 Acq: 08 Mar 2019 10:10

Tgt Ion: 53 Resp: 2065
 Ion Ratio Lower Upper
 53 100
 52 76.3 66.5 99.7
 51 38.5 28.6 42.8





#13

Acetone

Concen: 1.406 ug/l

RT: 2.32 min Scan# 382

Delta R.T. -0.00 min

Lab File: VU029877.D

Acq: 08 Mar 2019 10:10

Instrument :

MSVOA_U

ClientSampleId :

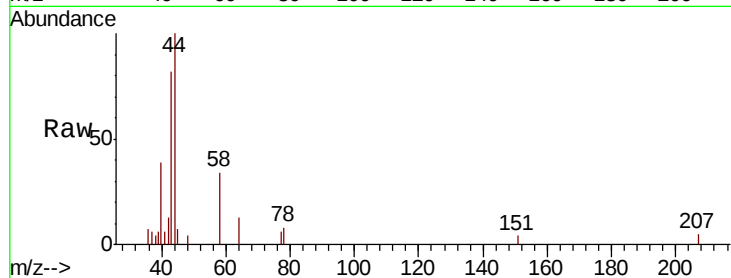
MDL06

Tgt Ion: 43 Resp: 3950

Ion Ratio Lower Upper

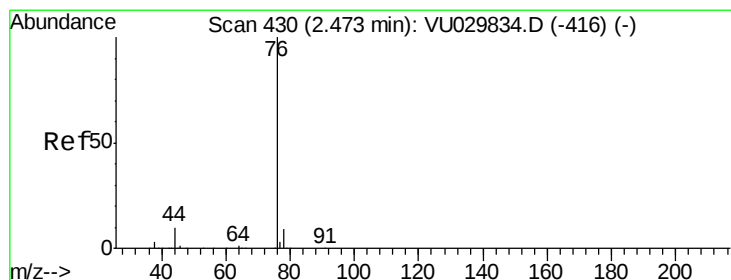
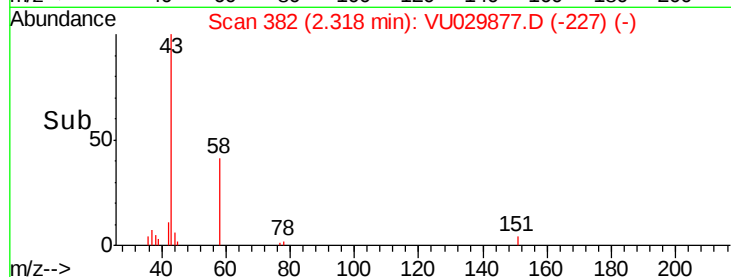
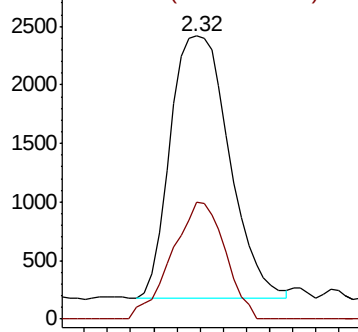
43 100

58 44.5 30.2 45.2



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0



#14

Carbon Disulfide

Concen: 0.250 ug/l

RT: 2.47 min Scan# 430

Delta R.T. -0.00 min

Lab File: VU029877.D

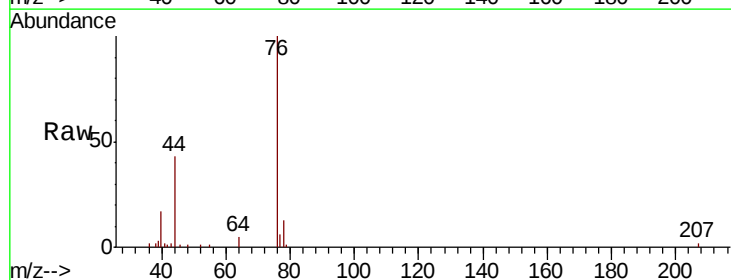
Acq: 08 Mar 2019 10:10

Tgt Ion: 76 Resp: 12597

Ion Ratio Lower Upper

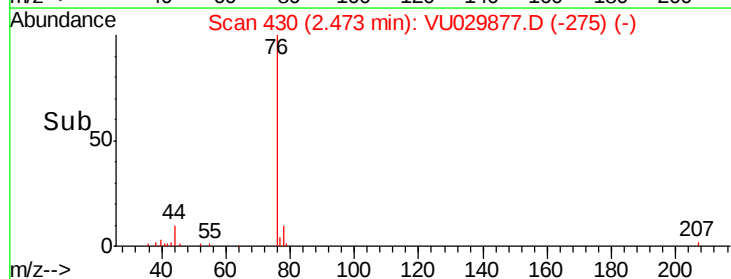
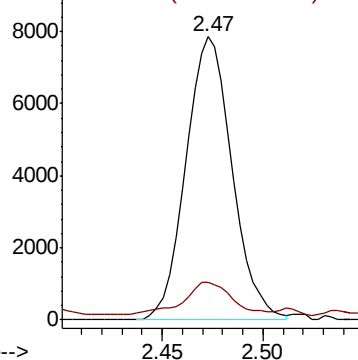
76 100

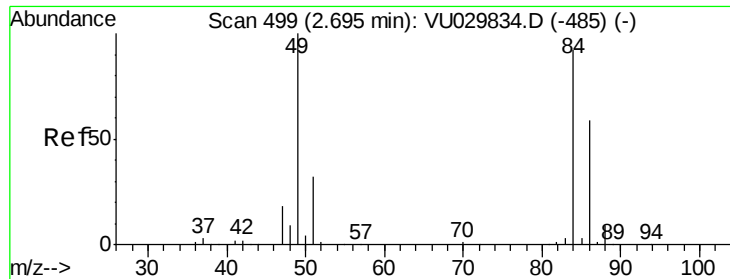
78 10.8 7.2 10.8



Abundance Ion 76.00 (75.70 to 76.70): VU0

Ion 78.00 (77.70 to 78.70): VU0

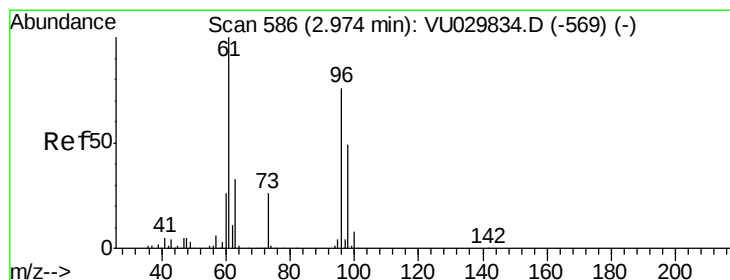
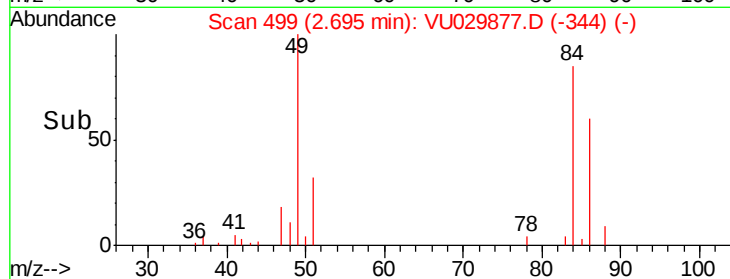
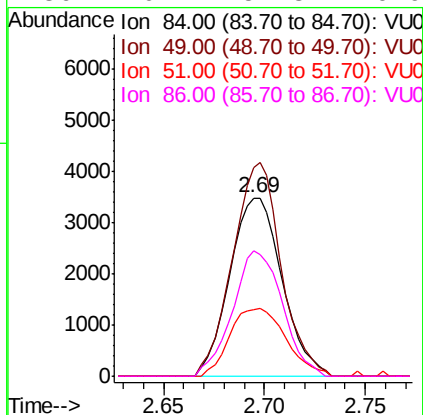
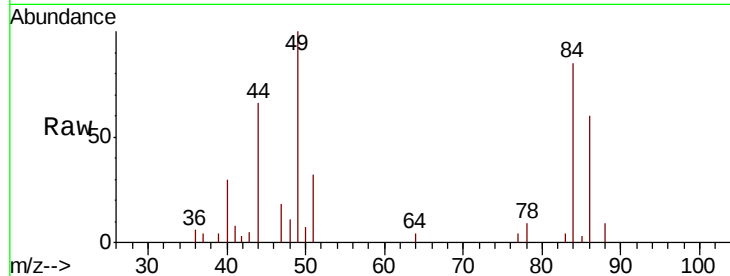




#15
Methylene Chloride
Concen: 0.339 ug/l
RT: 2.69 min Scan# 499
Delta R.T. -0.00 min
Lab File: VU029877.D
Acq: 08 Mar 2019 10:10

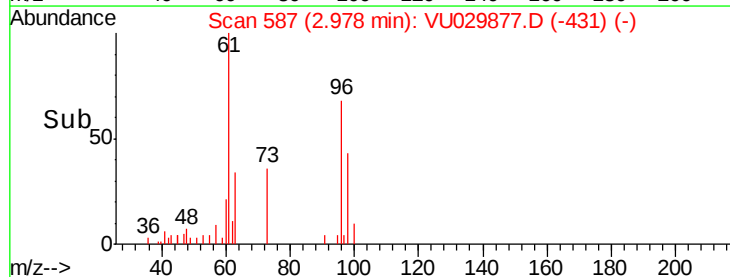
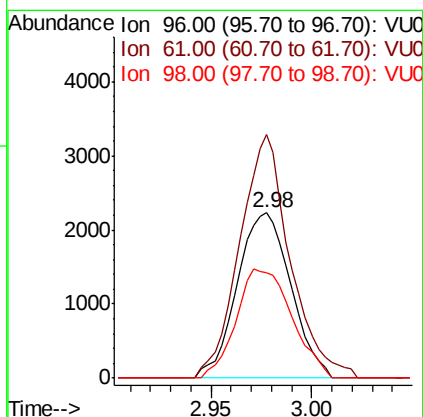
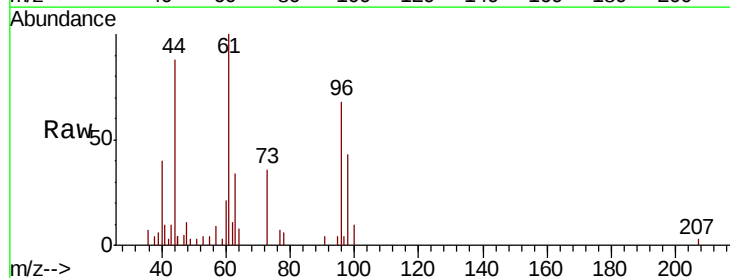
Instrument :
MSVOA_U
ClientSampleId :
MDL06

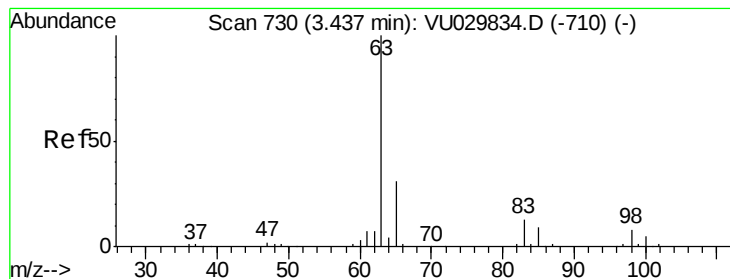
Tgt Ion:	84	Resp:	6328
Ion	Ratio	Lower	Upper
84	100		
49	117.1	87.2	130.8
51	37.2	0.0	69.0
86	70.7	51.3	76.9



#16
trans-1,2-Dichloroethene
Concen: 0.236 ug/l
RT: 2.98 min Scan# 587
Delta R.T. 0.00 min
Lab File: VU029877.D
Acq: 08 Mar 2019 10:10

Tgt Ion:	96	Resp:	4147
Ion	Ratio	Lower	Upper
96	100		
61	147.3	104.7	157.1
98	63.9	50.9	76.3





#17

1,1-Dichloroethane

Concen: 0.281 ug/l

RT: 3.44 min Scan# 730

Delta R.T. -0.00 min

Lab File: VU029877.D

Acq: 08 Mar 2019 10:10

Instrument :

MSVOA_U

ClientSampleId :

MDL06

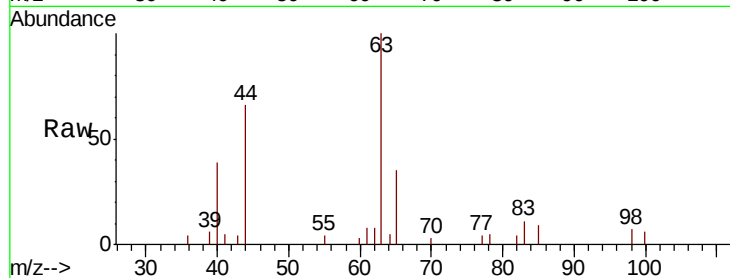
Tgt Ion: 63 Resp: 8263

Ion Ratio Lower Upper

63 100

98 6.8 3.8 11.4

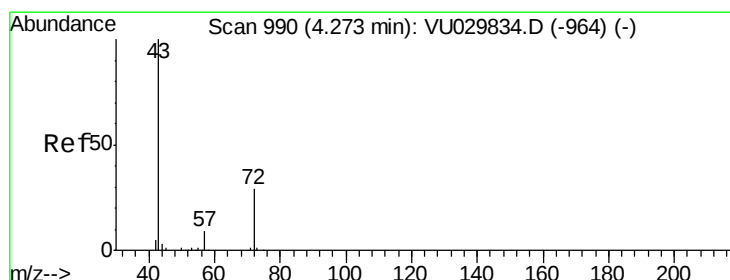
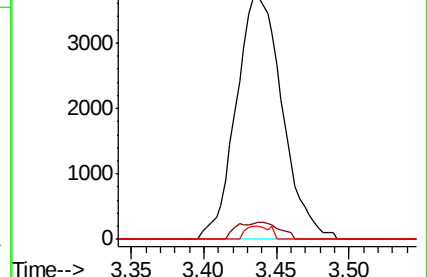
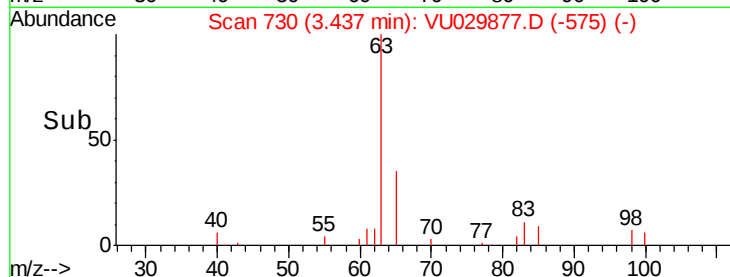
100 5.6 2.4 7.1



Abundance Ion 63.00 (62.70 to 63.70): VU029877.D (-575) (-)

Ion 98.00 (97.70 to 98.70): VU029877.D (-575) (-)

Ion 100.00 (99.70 to 100.70): VU029877.D (-575) (-)



#18

2-Butanone

Concen: 1.164 ug/l

RT: 4.29 min Scan# 994

Delta R.T. 0.01 min

Lab File: VU029877.D

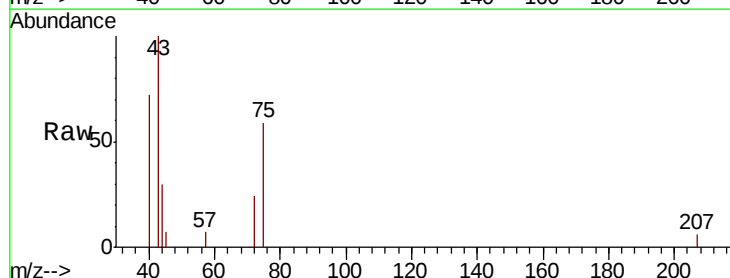
Acq: 08 Mar 2019 10:10

Tgt Ion: 43 Resp: 4444

Ion Ratio Lower Upper

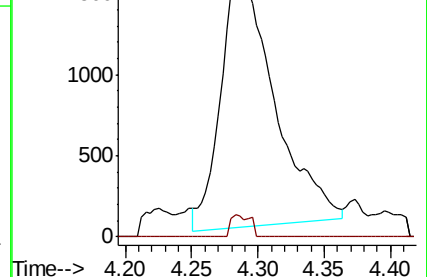
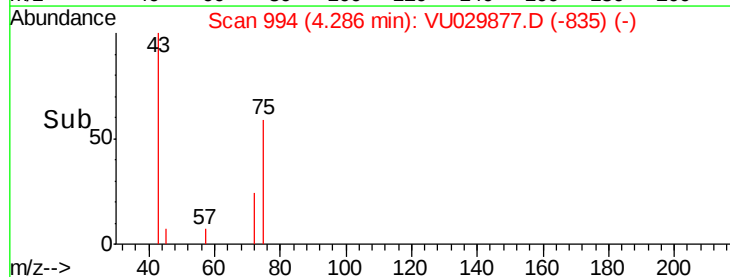
43 100

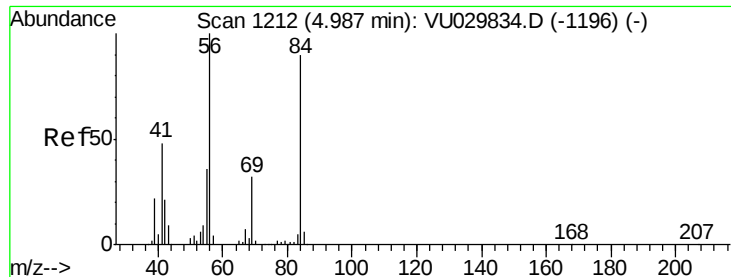
57 8.1 0.0 18.6



Abundance Ion 43.00 (42.70 to 43.70): VU029877.D (-835) (-)

Ion 57.00 (56.70 to 57.70): VU029877.D (-835) (-)

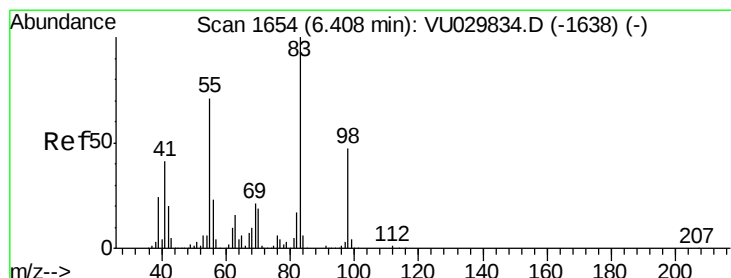
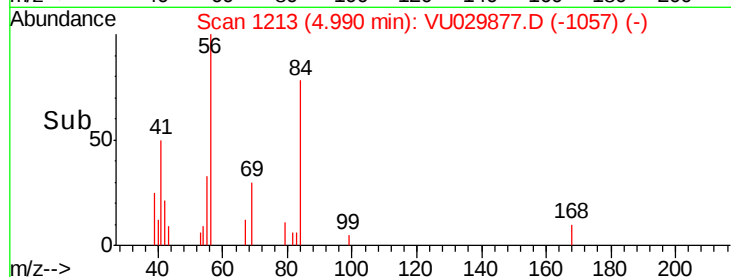
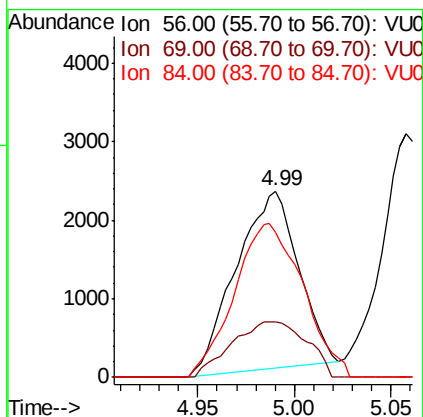
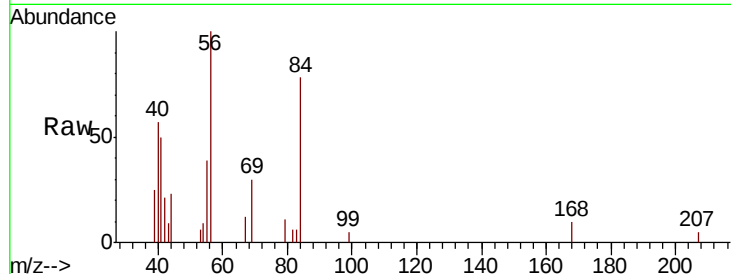




#19
Cyclohexane
Concen: 0.223 ug/l
RT: 4.99 min Scan# 1213
Delta R.T. 0.00 min
Lab File: VU029877.D
Acq: 08 Mar 2019 10:10

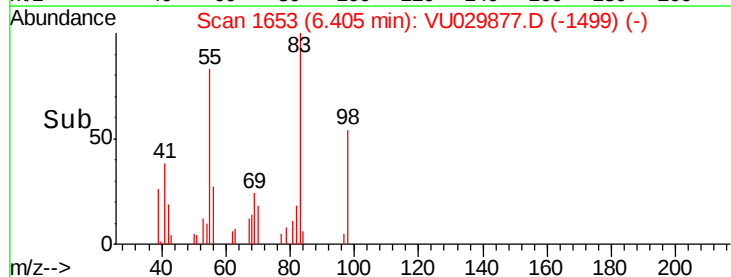
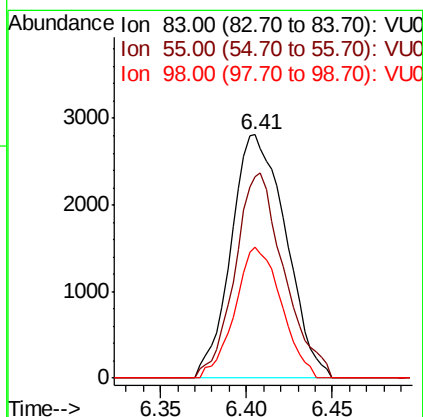
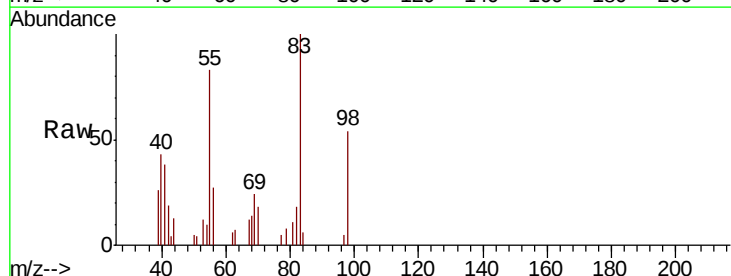
Instrument :
MSVOA_U
ClientSampled :
MDL06

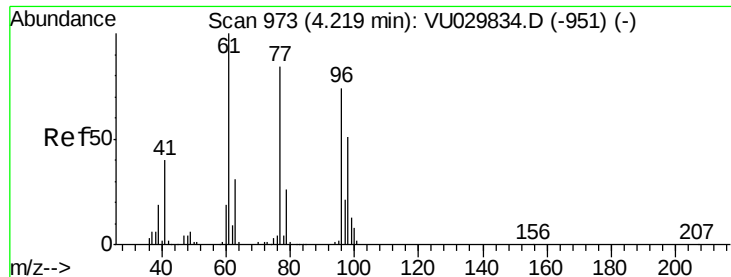
Tgt Ion: 56 Resp: 5092
Ion Ratio Lower Upper
56 100
69 37.3 29.4 44.2
84 94.8 84.6 127.0



#20
Methylcyclohexane
Concen: 0.233 ug/l
RT: 6.41 min Scan# 1653
Delta R.T. -0.00 min
Lab File: VU029877.D
Acq: 08 Mar 2019 10:10

Tgt Ion: 83 Resp: 6204
Ion Ratio Lower Upper
83 100
55 75.8 55.9 83.9
98 45.8 37.0 55.4





#21

2,2-Dichloropropane

Concen: 0.310 ug/l

RT: 4.22 min Scan# 973

Delta R.T. -0.00 min

Lab File: VU029877.D

Acq: 08 Mar 2019 10:10

Instrument :

MSVOA_U

ClientSampled :

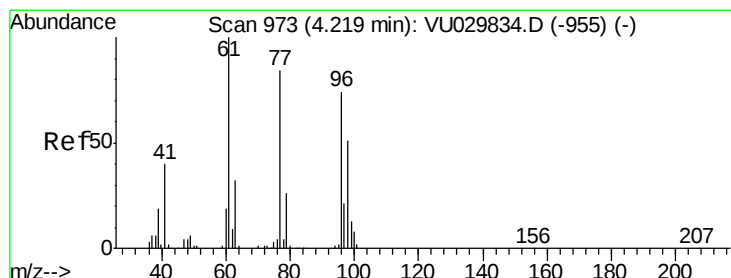
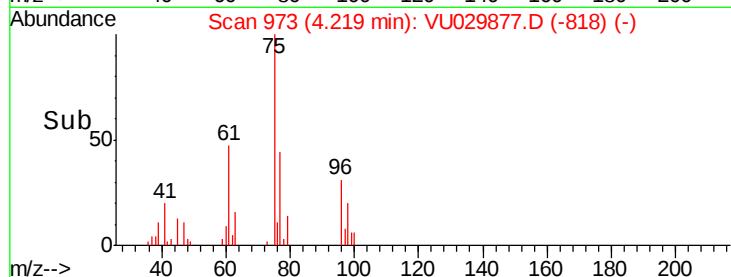
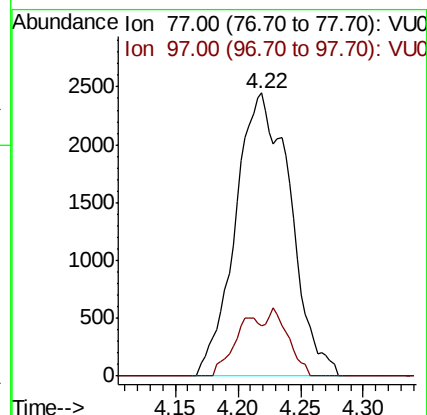
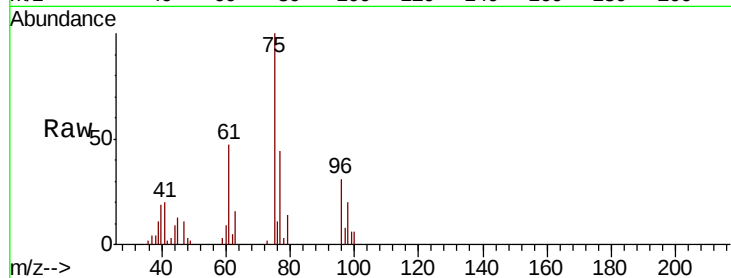
MDL06

Tgt Ion: 77 Resp: 7445

Ion Ratio Lower Upper

77 100

97 10.3 20.2 30.2#



#22

cis-1,2-Dichloroethene

Concen: 0.259 ug/l

RT: 4.22 min Scan# 974

Delta R.T. 0.00 min

Lab File: VU029877.D

Acq: 08 Mar 2019 10:10

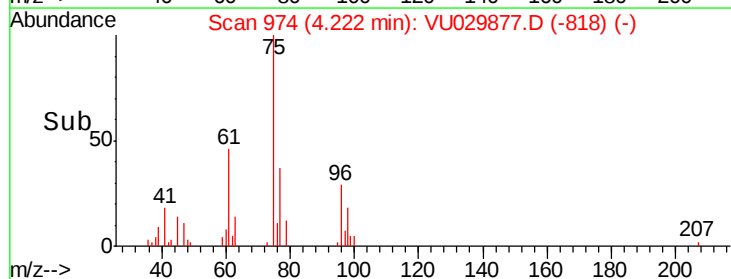
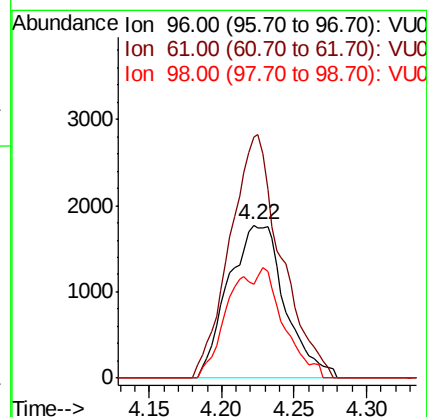
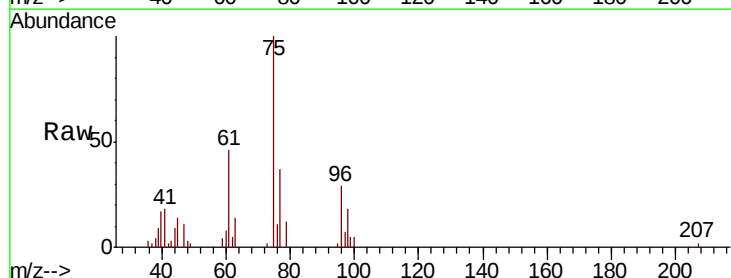
Tgt Ion: 96 Resp: 4816

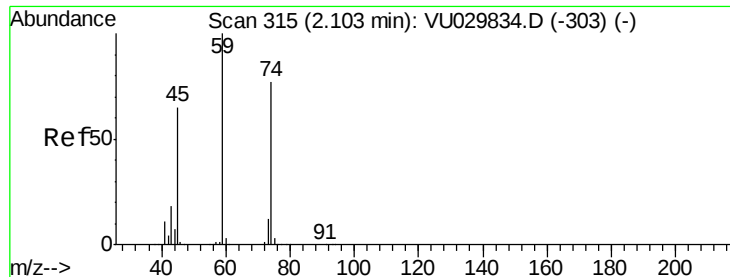
Ion Ratio Lower Upper

96 100

61 143.7 0.0 339.0

98 35.2 33.1 99.5

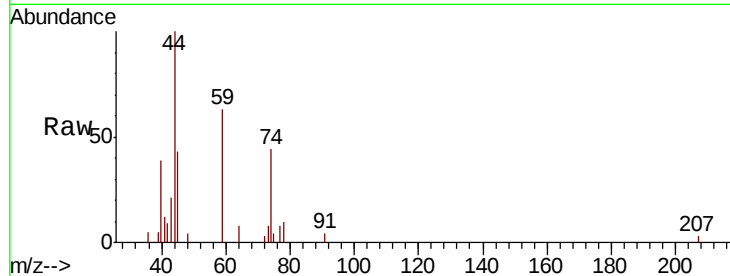




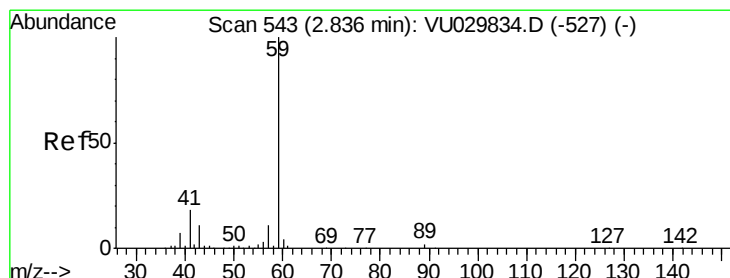
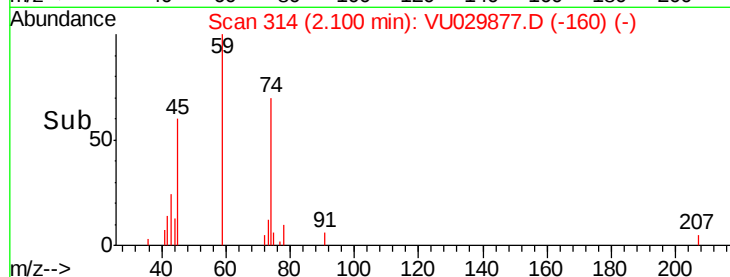
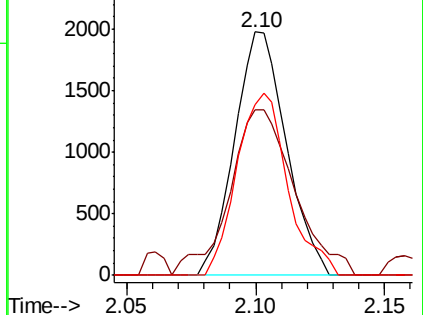
#23
Diethyl Ether
Concen: 0.237 ug/l
RT: 2.10 min Scan# 314
Delta R.T. -0.00 min
Lab File: VU029877.D
Acq: 08 Mar 2019 10:10

Instrument :
MSVOA_U
ClientSampled :
MDL06

Tgt Ion: 59 Resp: 2762
Ion Ratio Lower Upper
59 100
45 85.7 52.7 79.1#
74 73.9 61.8 92.6

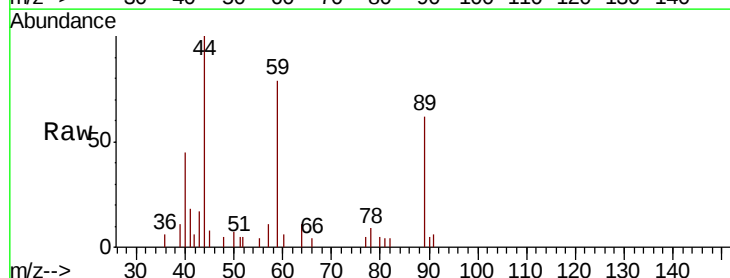


Abundance Ion 59.00 (58.70 to 59.70): VU0
Ion 45.00 (44.70 to 45.70): VU0
Ion 74.00 (73.70 to 74.70): VU0

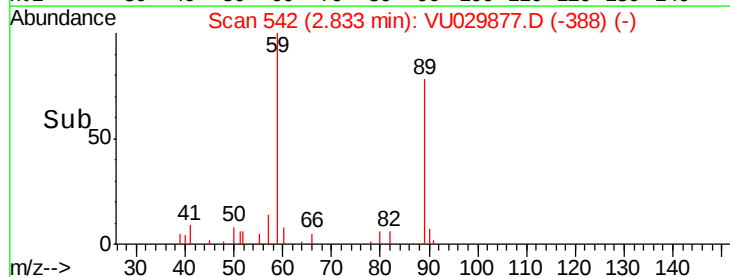
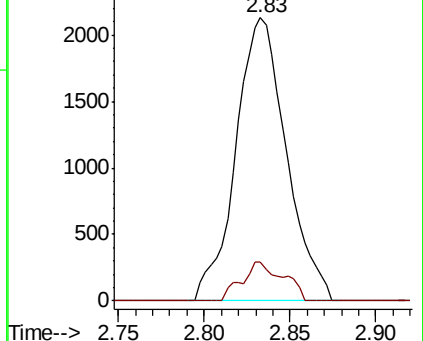


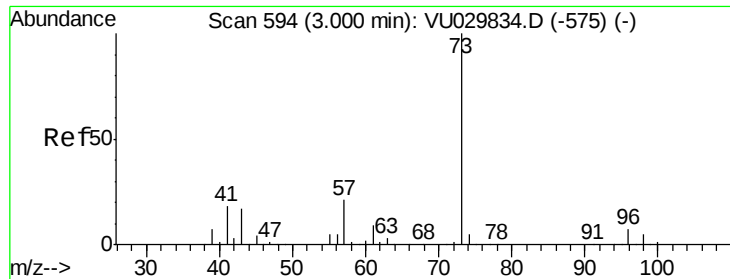
#24
tert-Butyl Alcohol
Concen: 3.610 ug/l
RT: 2.83 min Scan# 542
Delta R.T. -0.00 min
Lab File: VU029877.D
Acq: 08 Mar 2019 10:10

Tgt Ion: 59 Resp: 4344
Ion Ratio Lower Upper
59 100
57 11.3 8.5 12.7



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





#25

Methyl tert-Butyl Ether

Concen: 0.259 ug/l

RT: 3.00 min Scan# 593

Delta R.T. -0.00 min

Lab File: VU029877.D

Acq: 08 Mar 2019 10:10

Instrument :

MSVOA_U

ClientSampled :

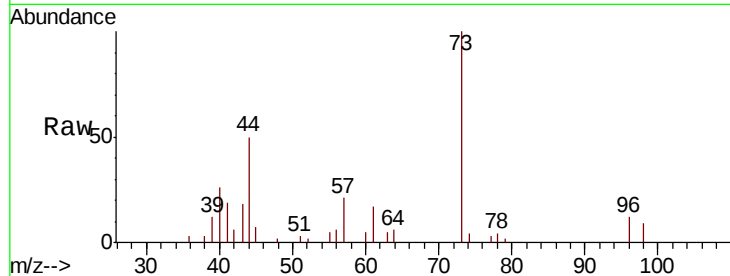
MDL06

Tgt Ion: 73 Resp: 10159

Ion Ratio Lower Upper

73 100

43 19.1 13.1 19.7



Abundance Ion 73.00 (72.70 to 73.70): VU029834.D (-575) (-)

Ion 43.00 (42.70 to 43.70): VU029834.D (-575) (-)

3.00

4.00

5.00

6.00

7.00

8.00

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11.00

12.00

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216.00

217.00

218.00

219.00

220.00

221.00

222.00

223.00

224.00

225.00

226.00

227.00

228.00

229.00

230.00

231.00

232.00

233.00

234.00

235.00

236.00

237.00

238.00

239.00

240.00

241.00

242.00

243.00

244.00

245.00

246.00

247.00

248.00

249.00

250.00

251.00

252.00

253.00

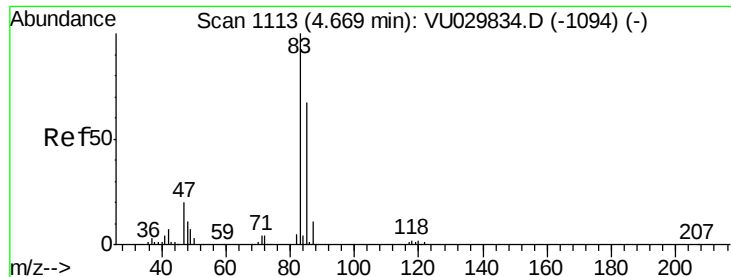
254.00

255.00

256.00

257.00

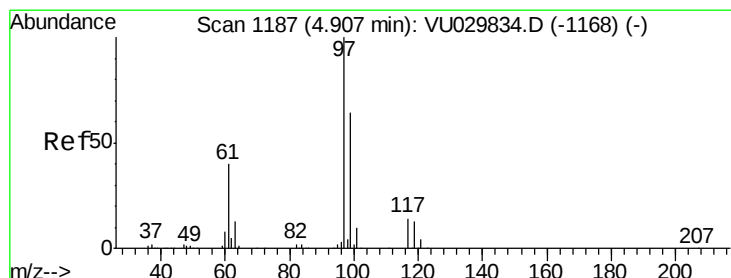
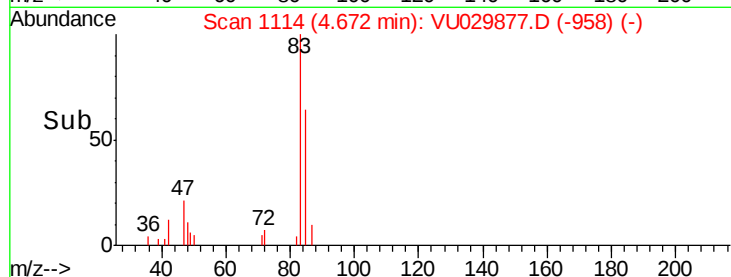
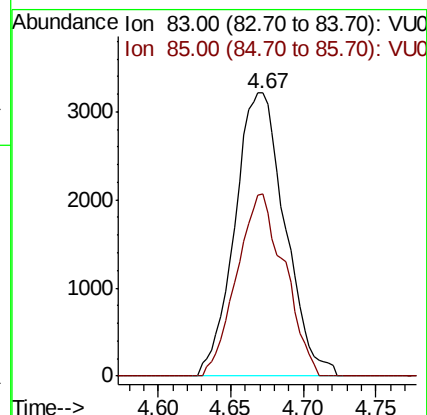
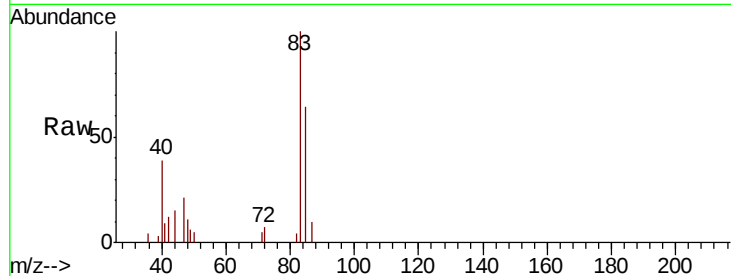
258.00



#27
Chloroform
Concen: 0.259 ug/l
RT: 4.67 min Scan# 1114
Delta R.T. 0.00 min
Lab File: VU029877.D
Acq: 08 Mar 2019 10:10

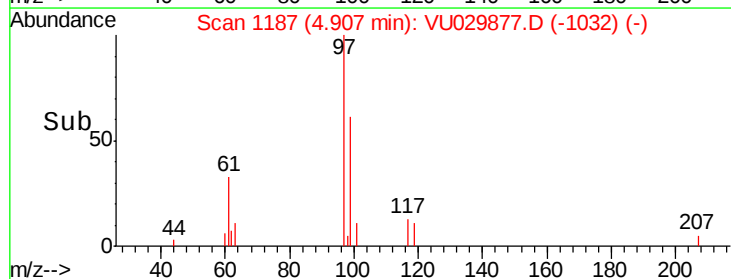
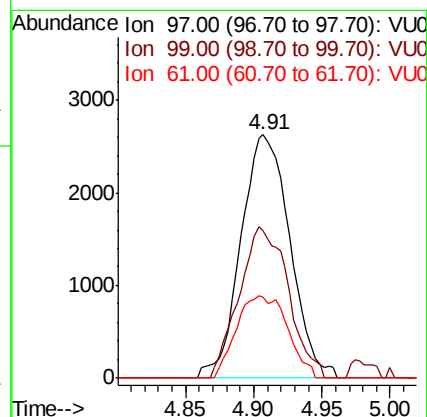
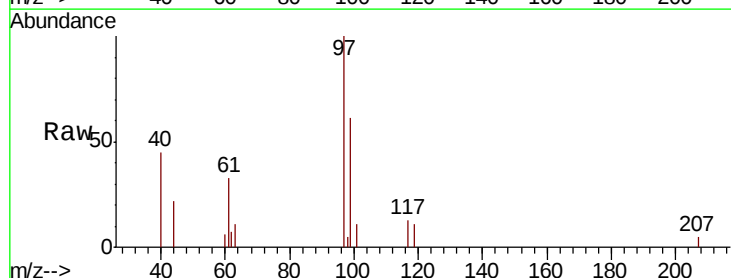
Instrument :
MSVOA_U
ClientSampleId :
MDL06

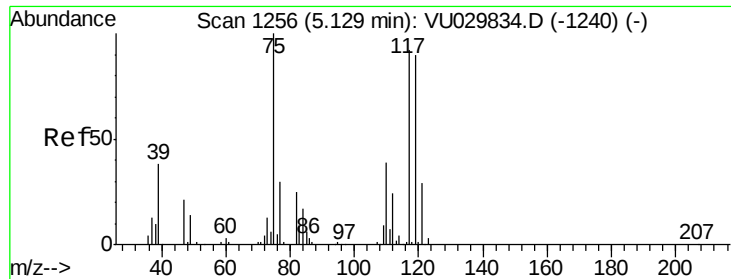
Tgt Ion: 83 Resp: 7719
Ion Ratio Lower Upper
83 100
85 64.2 0.0 133.2



#28
1,1,1-Trichloroethane
Concen: 0.260 ug/l
RT: 4.91 min Scan# 1187
Delta R.T. -0.00 min
Lab File: VU029877.D
Acq: 08 Mar 2019 10:10

Tgt Ion: 97 Resp: 6559
Ion Ratio Lower Upper
97 100
99 62.0 31.9 95.9
61 35.1 20.4 61.3





#29

1,1-Dichloropropene

Concen: 0.229 ug/l

RT: 5.13 min Scan# 1257

Delta R.T. 0.00 min

Lab File: VU029877.D

Acq: 08 Mar 2019 10:10

Instrument :

MSVOA_U

ClientSampleId :

MDL06

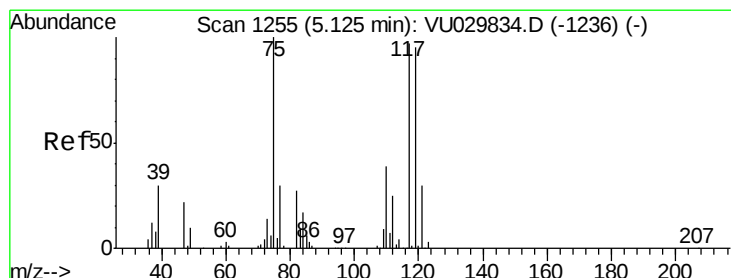
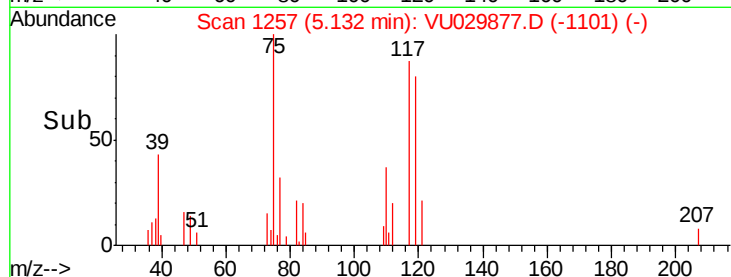
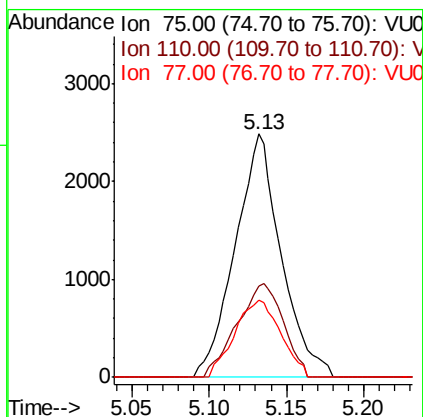
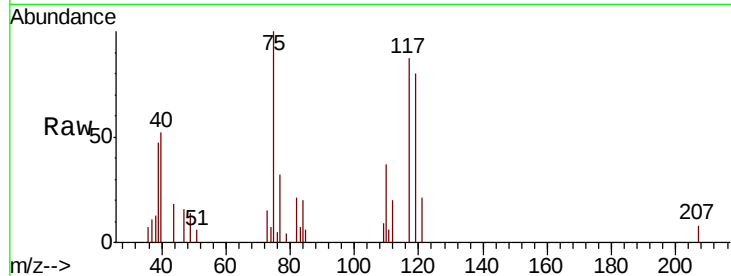
Tgt Ion: 75 Resp: 5147

Ion Ratio Lower Upper

75 100

110 38.7 19.1 57.5

77 31.6 23.9 35.9



#30

Carbon Tetrachloride

Concen: 0.238 ug/l

RT: 5.12 min Scan# 1254

Delta R.T. -0.00 min

Lab File: VU029877.D

Acq: 08 Mar 2019 10:10

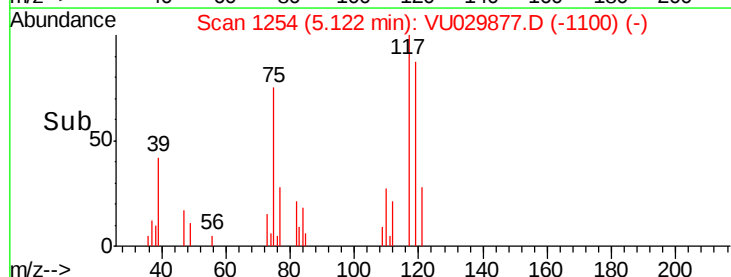
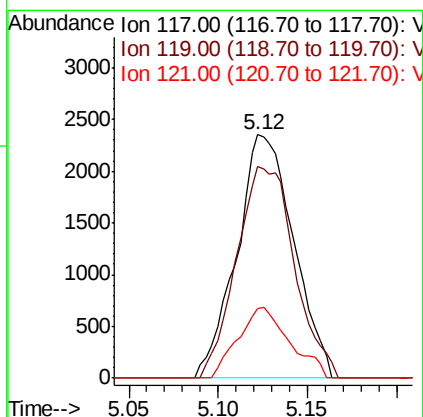
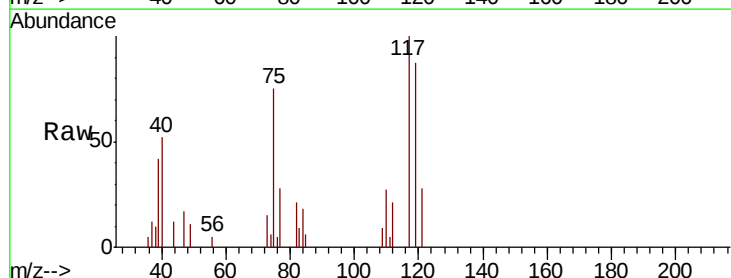
Tgt Ion: 117 Resp: 5237

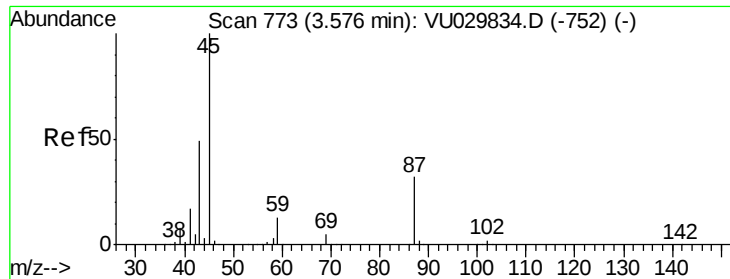
Ion Ratio Lower Upper

117 100

119 86.7 78.4 117.6

121 28.4 25.0 37.4





#31

Isopropyl Ether

Concen: 0.263 ug/l

RT: 3.58 min Scan# 773

Delta R.T. -0.00 min

Lab File: VU029877.D

Acq: 08 Mar 2019 10:10

Instrument :

MSVOA_U

ClientSampleId :

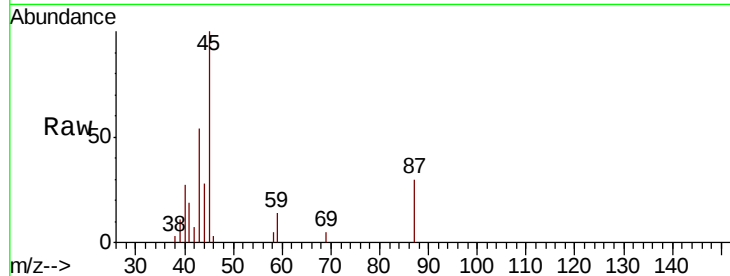
MDL06

Tgt Ion: 45 Resp: 10668

Ion Ratio Lower Upper

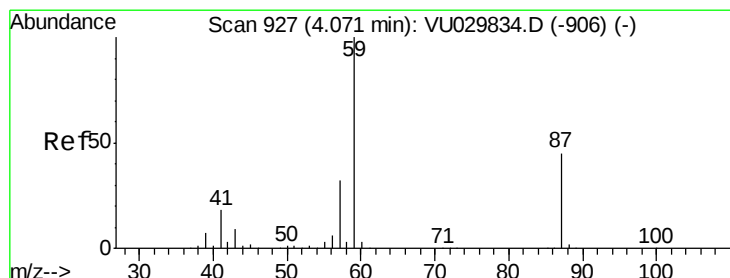
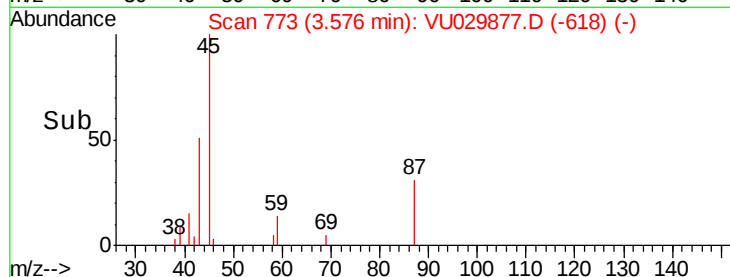
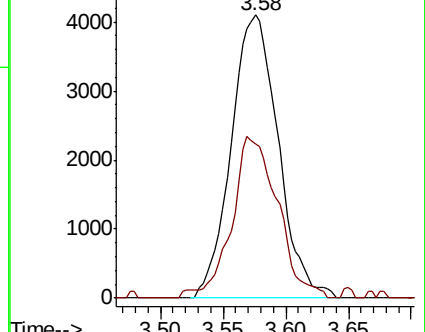
45 100

43 55.9 24.3 72.9



Abundance Ion 45.00 (44.70 to 45.70): VU029834.D (-752) (-)

Ion 43.00 (42.70 to 43.70): VU029834.D (-752) (-)



#32

Ethyl-t-butyl ether

Concen: 0.253 ug/l

RT: 4.07 min Scan# 928

Delta R.T. 0.00 min

Lab File: VU029877.D

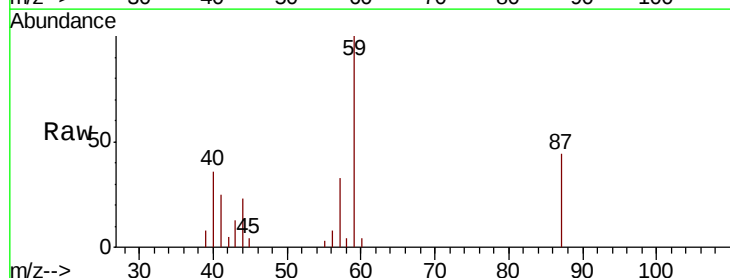
Acq: 08 Mar 2019 10:10

Tgt Ion: 59 Resp: 9984

Ion Ratio Lower Upper

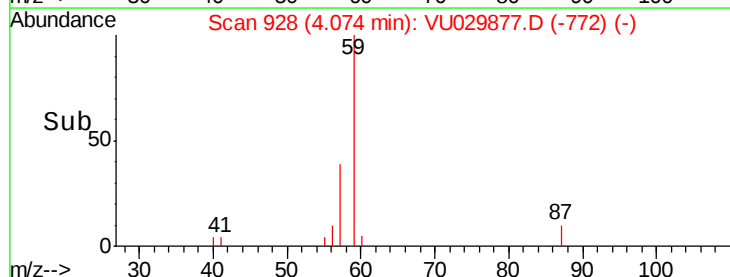
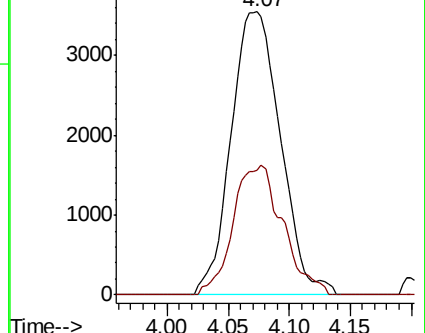
59 100

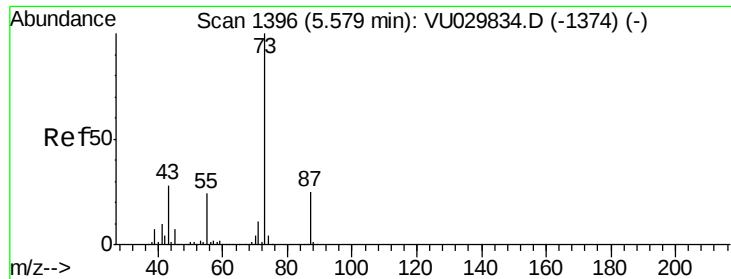
87 45.8 36.2 54.4



Abundance Ion 59.00 (58.70 to 59.70): VU029834.D (-906) (-)

Ion 87.00 (86.70 to 87.70): VU029834.D (-906) (-)

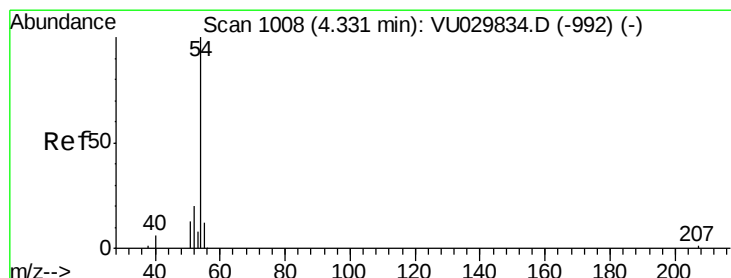
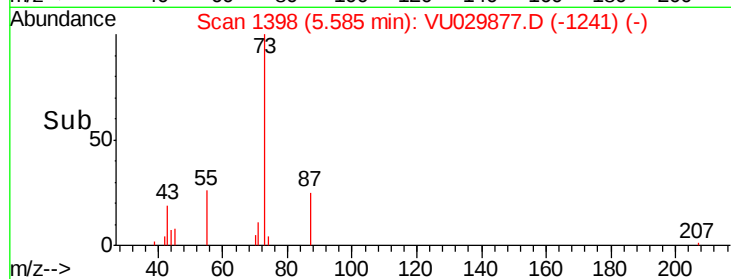
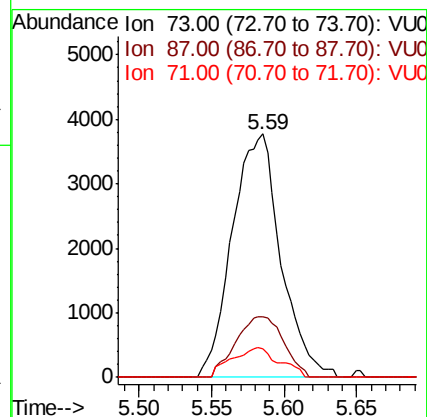
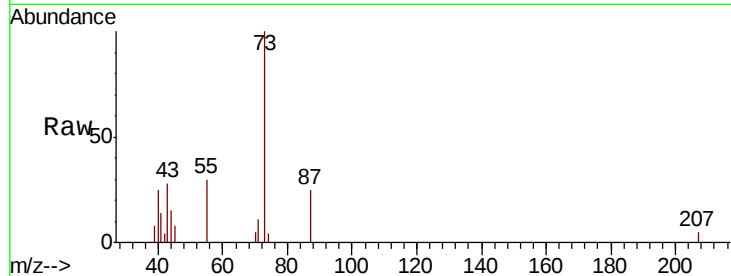




#33
Tert-Amyl methyl ether
Concen: 0.241 ug/l
RT: 5.59 min Scan# 1398
Delta R.T. 0.01 min
Lab File: VU029877.D
Acq: 08 Mar 2019 10:10

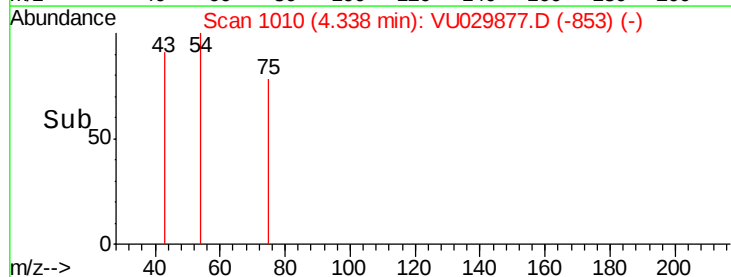
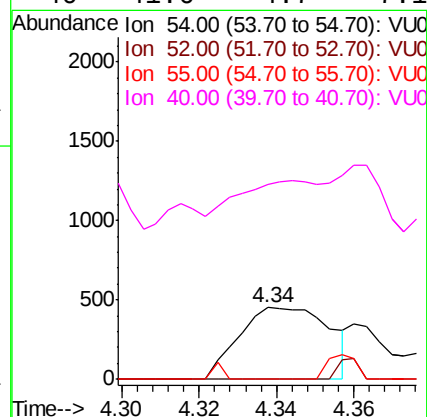
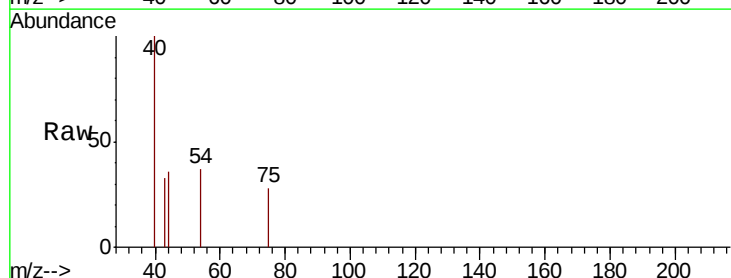
Instrument :
MSVOA_U
ClientSampleId :
MDL06

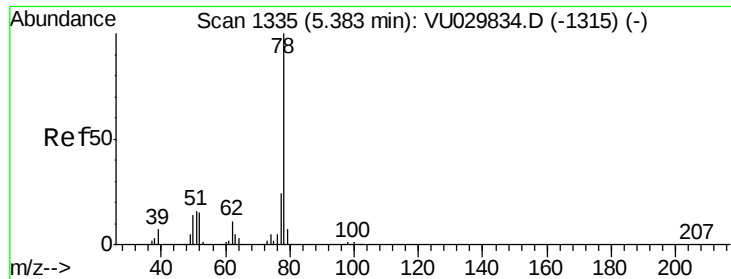
Tgt Ion: 73 Resp: 8774
Ion Ratio Lower Upper
73 100
87 24.4 19.7 29.5
71 11.9 9.4 14.2



#34
Propionitrile
Concen: 0.646 ug/l
RT: 4.34 min Scan# 1010
Delta R.T. 0.01 min
Lab File: VU029877.D
Acq: 08 Mar 2019 10:10

Tgt Ion: 54 Resp: 734
Ion Ratio Lower Upper
54 100
52 0.0 16.1 24.1#
55 0.0 11.2 16.8#
40 41.6 4.7 7.1#





#35

Benzene

Concen: 0.268 ug/l

RT: 5.38 min Scan# 1335

Delta R.T. -0.00 min

Lab File: VU029877.D

Acq: 08 Mar 2019 10:10

Instrument :

MSVOA_U

ClientSampled :

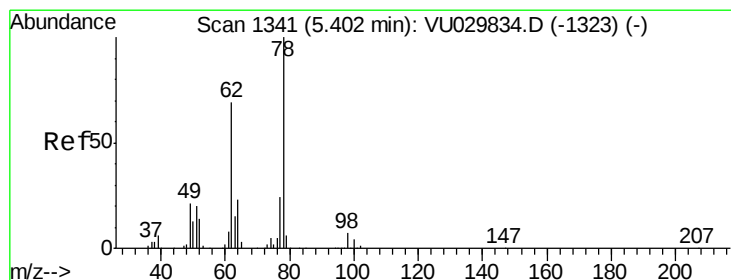
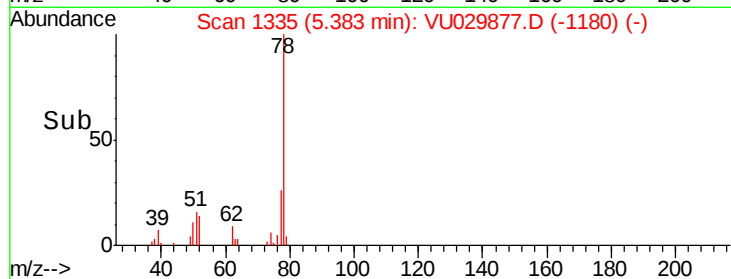
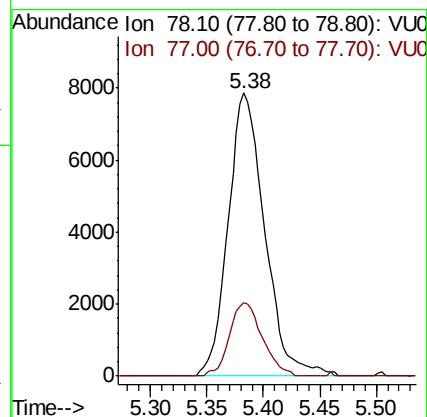
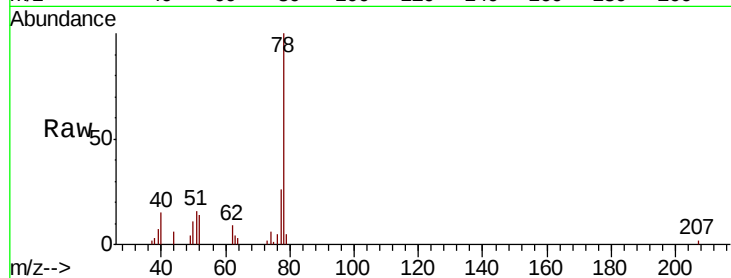
MDL06

Tgt Ion: 78 Resp: 17702

Ion Ratio Lower Upper

78 100

77 25.7 19.2 28.8



#36

1,2-Dichloroethane

Concen: 0.249 ug/l

RT: 5.41 min Scan# 1343

Delta R.T. 0.01 min

Lab File: VU029877.D

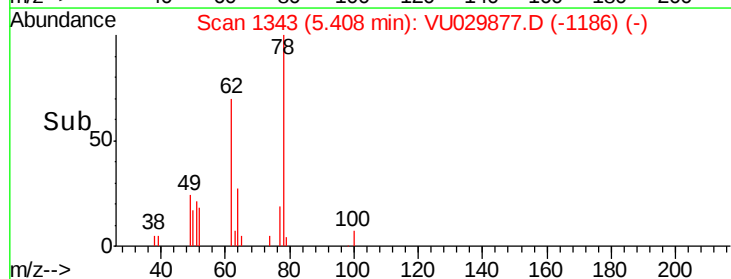
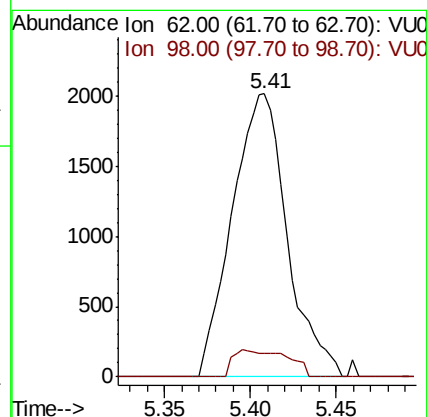
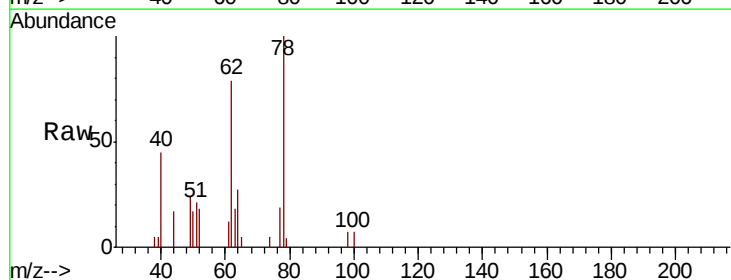
Acq: 08 Mar 2019 10:10

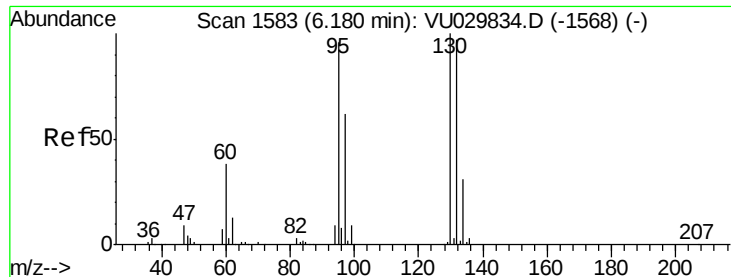
Tgt Ion: 62 Resp: 4487

Ion Ratio Lower Upper

62 100

98 9.4 8.2 12.2





#37

Trichloroethene

Concen: 0.247 ug/l

RT: 6.19 min Scan# 1586

Delta R.T. 0.01 min

Lab File: VU029877.D

Acq: 08 Mar 2019 10:10

Instrument :

MSVOA_U

ClientSampled :

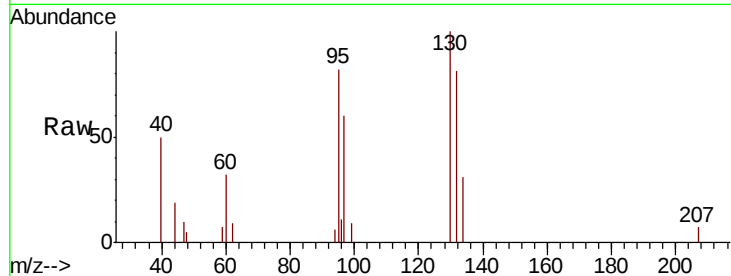
MDL06

Tgt Ion:130 Resp: 4774

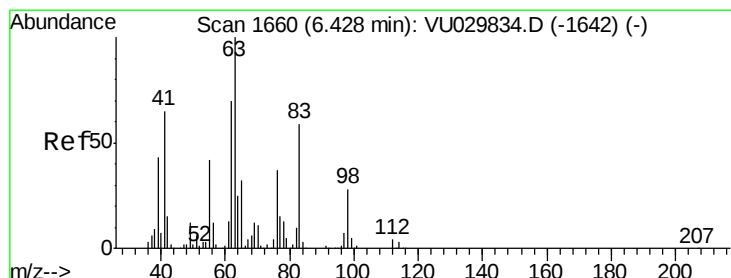
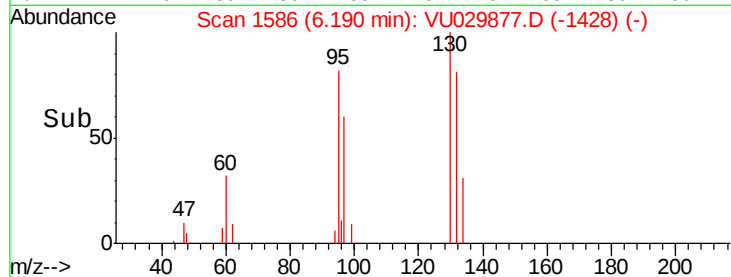
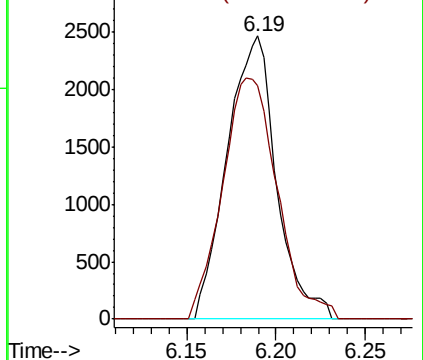
Ion Ratio Lower Upper

130 100

95 82.3 76.6 114.8



Abundance Ion 129.90 (129.60 to 130.60): VU029834.D (-1568) (-)



#38

1,2-Dichloropropane

Concen: 0.225 ug/l

RT: 6.43 min Scan# 1662

Delta R.T. 0.01 min

Lab File: VU029877.D

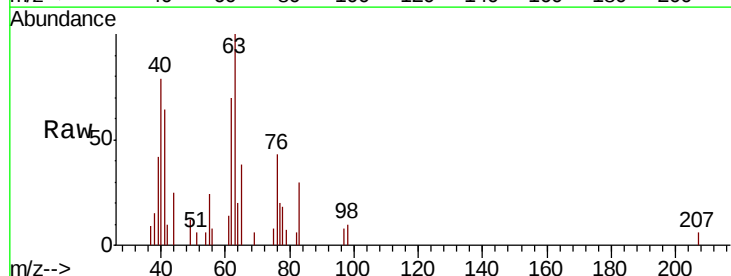
Acq: 08 Mar 2019 10:10

Tgt Ion: 63 Resp: 3769

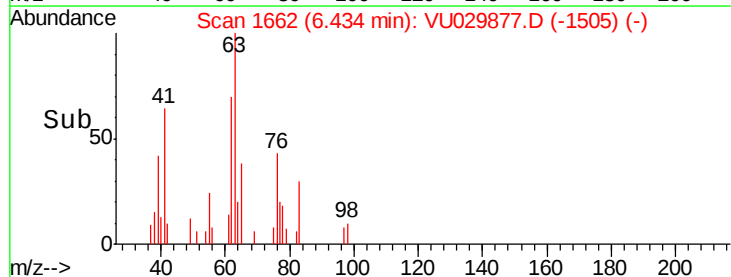
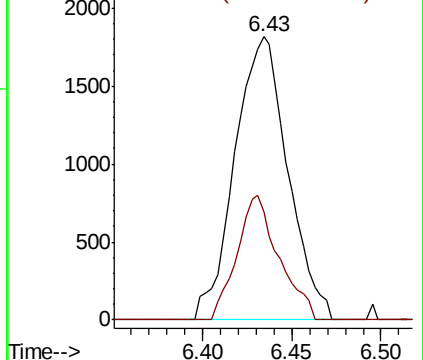
Ion Ratio Lower Upper

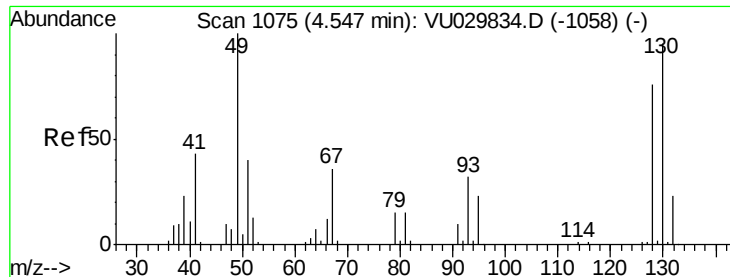
63 100

65 38.1 25.4 38.2



Abundance Ion 63.00 (62.70 to 63.70): VU029834.D (-1642) (-)

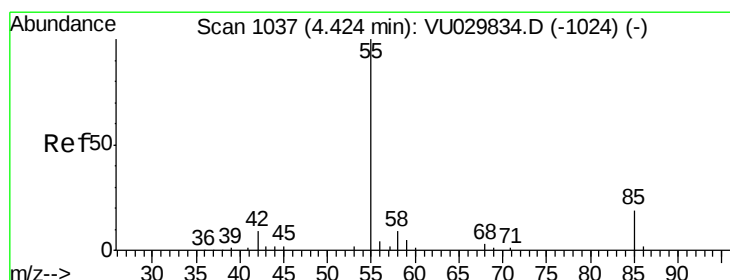
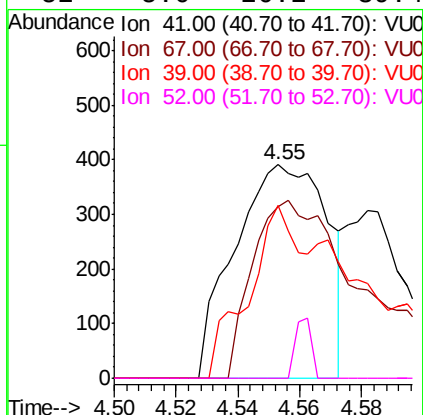
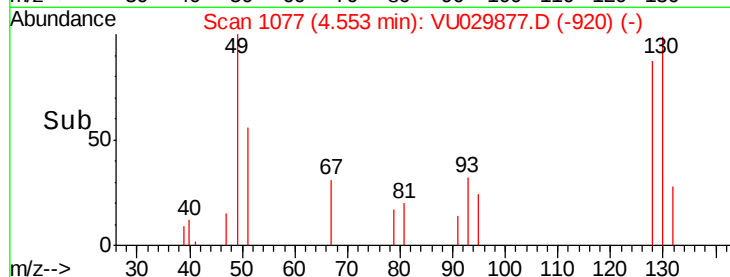
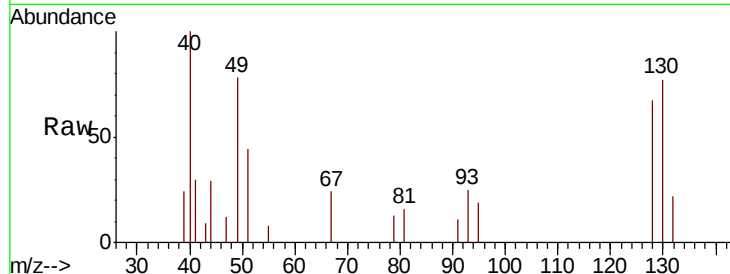




#39
Methacrylonitrile
Concen: 0.170 ug/l
RT: 4.55 min Scan# 1077
Delta R.T. 0.01 min
Lab File: VU029877.D
Acq: 08 Mar 2019 10:10

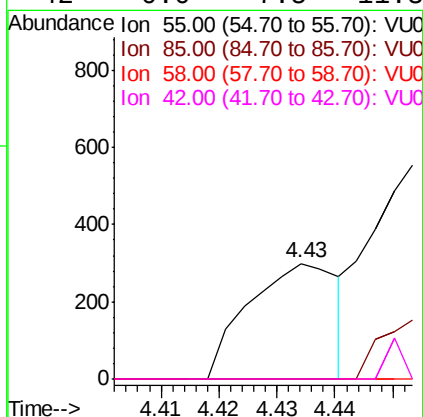
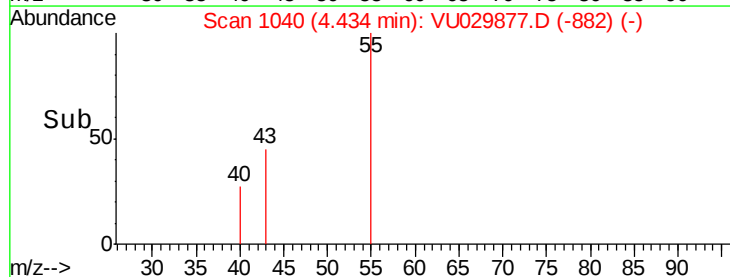
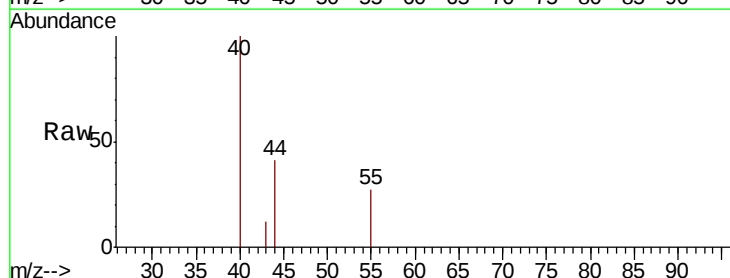
Instrument :
MSVOA_U
ClientSampleId :
MDL06

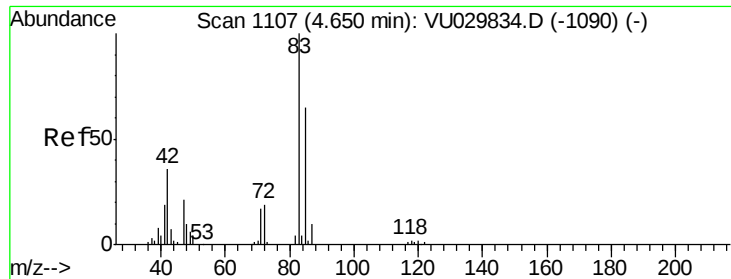
Tgt Ion: 41 Resp: 813
Ion Ratio Lower Upper
41 100
67 94.2 68.4 102.6
39 47.2 42.6 63.8
52 5.0 26.2 39.4#



#40
Methyl acrylate
Concen: 0.042 ug/l
RT: 4.43 min Scan# 1040
Delta R.T. 0.01 min
Lab File: VU029877.D
Acq: 08 Mar 2019 10:10

Tgt Ion: 55 Resp: 320
Ion Ratio Lower Upper
55 100
85 0.0 15.2 22.8#
58 0.0 7.6 11.4#
42 0.0 7.5 11.3#





#41

Tetrahydrofuran

Concen: 0.547 ug/l

RT: 4.66 min Scan# 1109

Delta R.T. 0.01 min

Lab File: VU029877.D

Acq: 08 Mar 2019 10:10

Instrument :

MSVOA_U

ClientSampleId :

MDL06

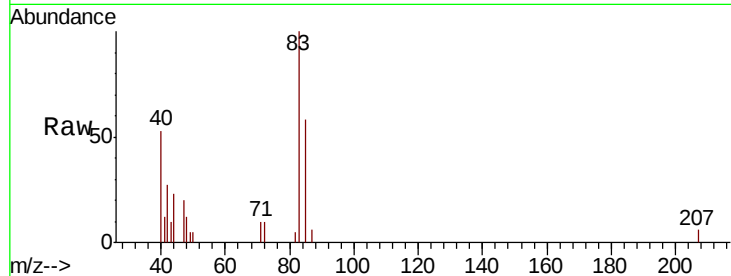
Tgt Ion: 42 Resp: 1368

Ion Ratio Lower Upper

42 100

72 22.1 43.6 65.4#

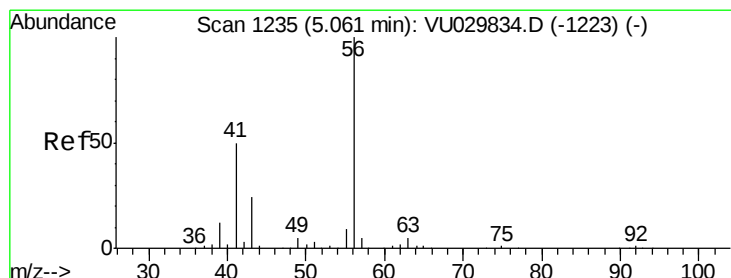
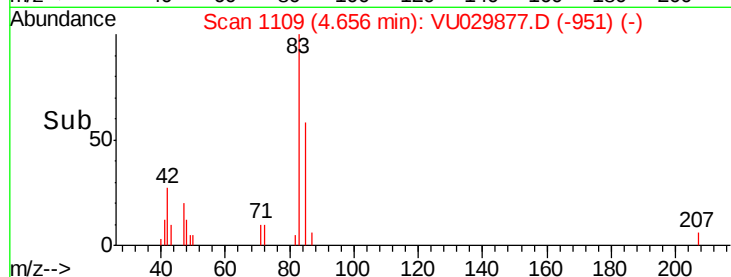
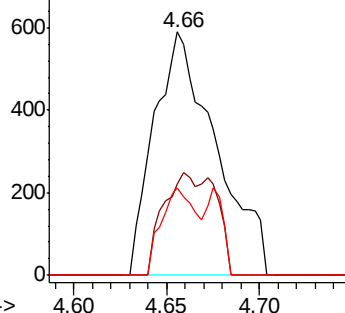
71 20.2 37.5 56.3#



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: 0.254 ug/l

RT: 5.06 min Scan# 1234

Delta R.T. -0.00 min

Lab File: VU029877.D

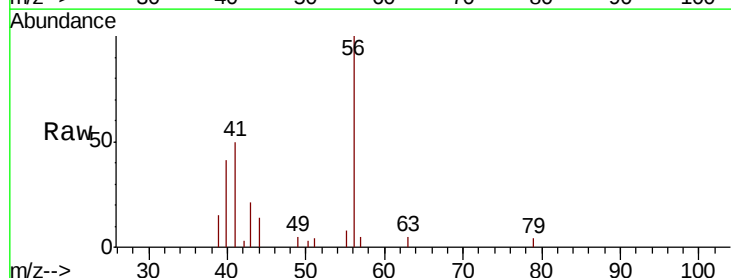
Acq: 08 Mar 2019 10:10

Tgt Ion: 56 Resp: 7293

Ion Ratio Lower Upper

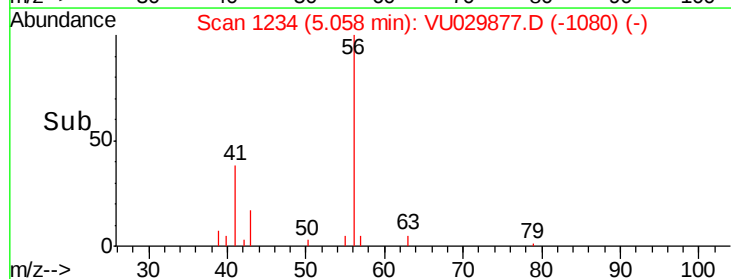
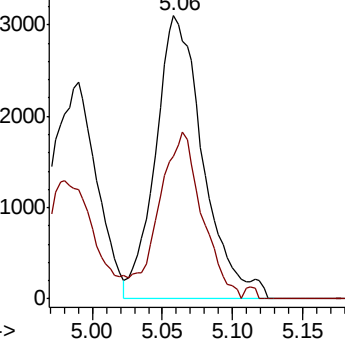
56 100

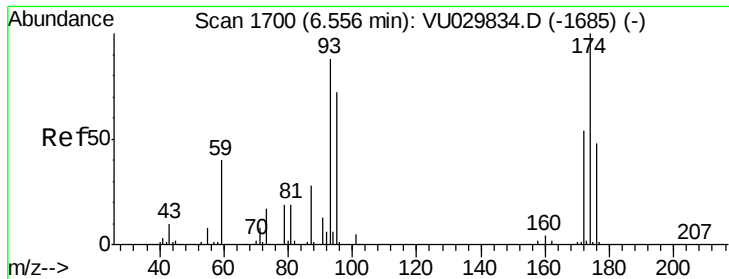
41 52.7 25.0 75.0



Abundance Ion 56.00 (55.70 to 56.70): VU0

Ion 41.00 (40.70 to 41.70): VU0

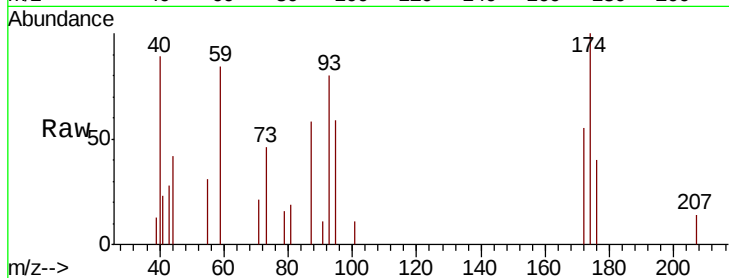




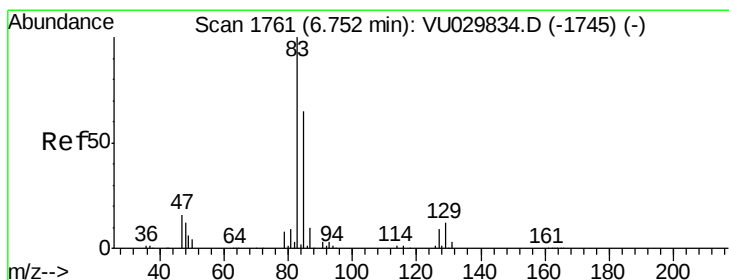
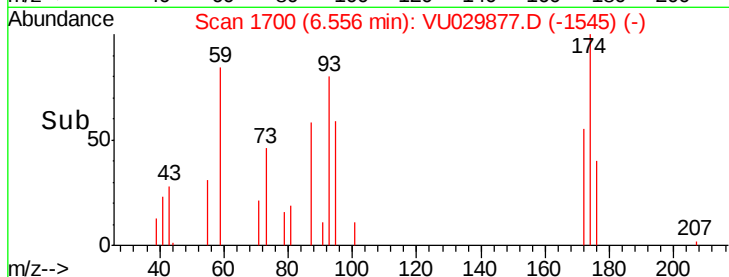
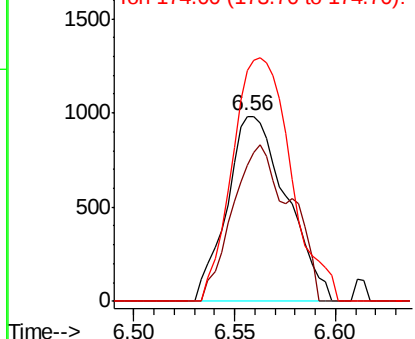
#43
Dibromomethane
Concen: 0.233 ug/l
RT: 6.56 min Scan# 1700
Delta R.T. -0.00 min
Lab File: VU029877.D
Acq: 08 Mar 2019 10:10

Instrument :
MSVOA_U
ClientSampleId :
MDL06

Tgt Ion: 93 Resp: 2022
Ion Ratio Lower Upper
93 100
95 82.2 67.0 100.6
174 129.7 91.4 137.2

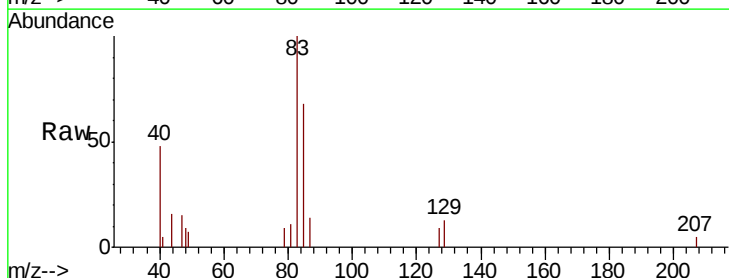


Abundance Ion 93.00 (92.70 to 93.70): VU0
Ion 95.00 (94.70 to 95.70): VU0
Ion 174.00 (173.70 to 174.70): V

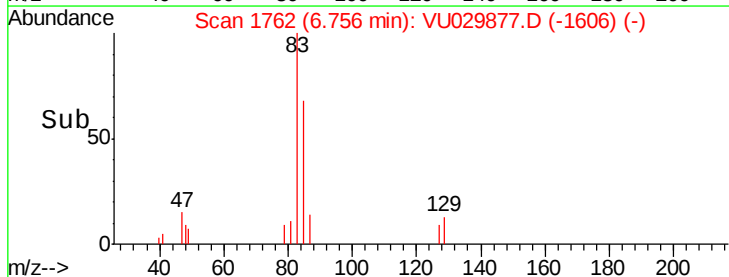
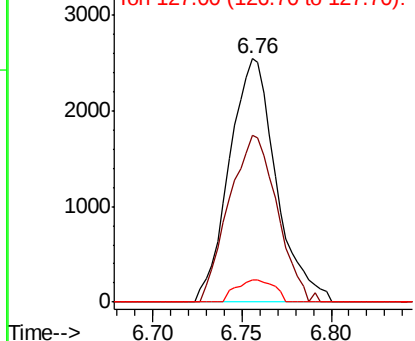


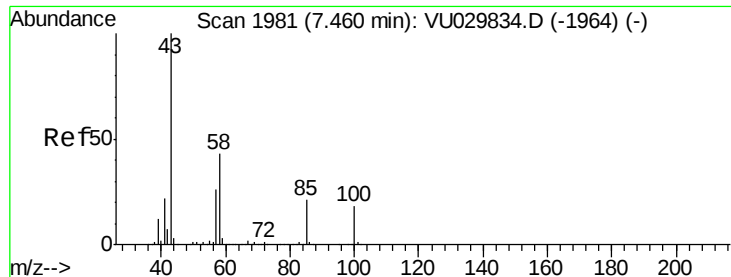
#44
Bromodichloromethane
Concen: 0.218 ug/l
RT: 6.76 min Scan# 1762
Delta R.T. 0.00 min
Lab File: VU029877.D
Acq: 08 Mar 2019 10:10

Tgt Ion: 83 Resp: 4650
Ion Ratio Lower Upper
83 100
85 68.4 51.7 77.5
127 9.3 7.4 11.2



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

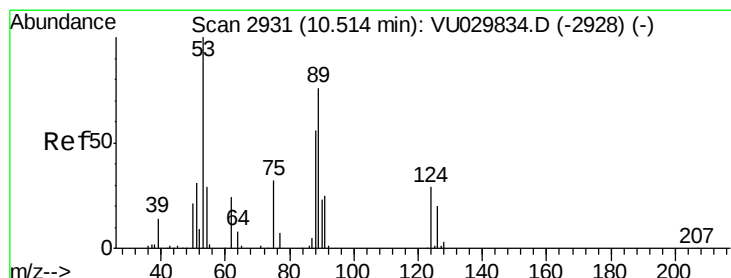
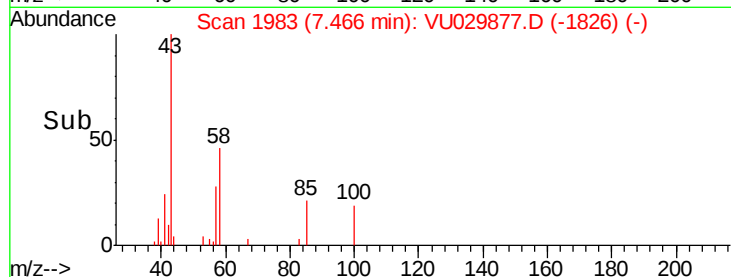
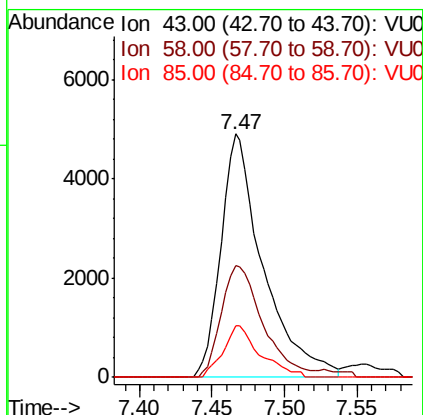
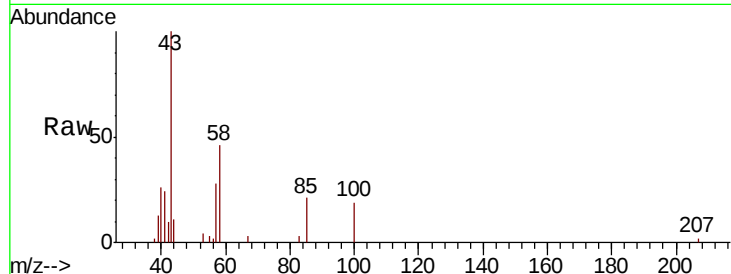




#45
4-Methyl-2-Pentanone
Concen: 1.096 ug/l
RT: 7.47 min Scan# 1983
Delta R.T. 0.01 min
Lab File: VU029877.D
Acq: 08 Mar 2019 10:10

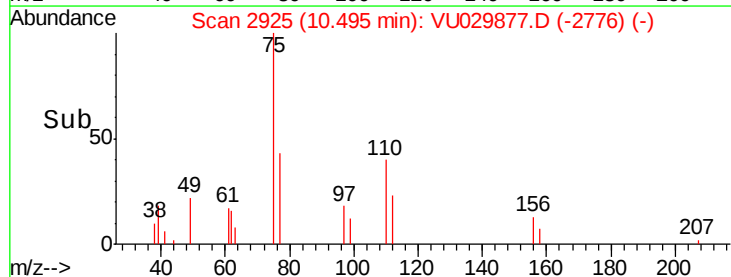
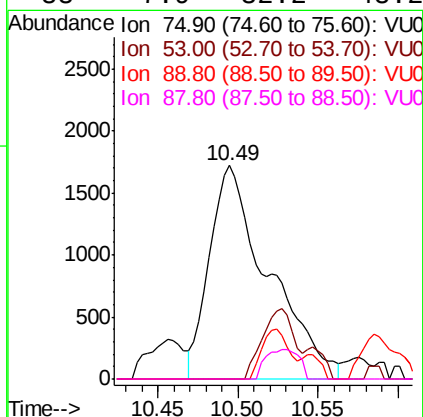
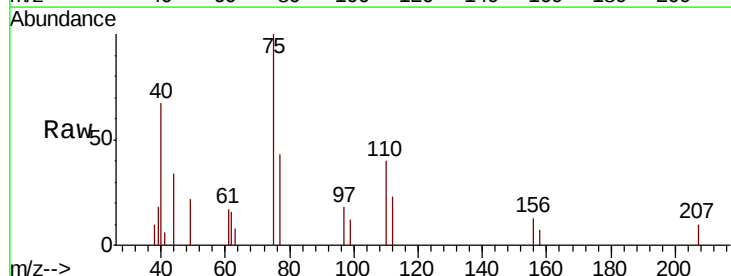
Instrument :
MSVOA_U
ClientSampleId :
MDL06

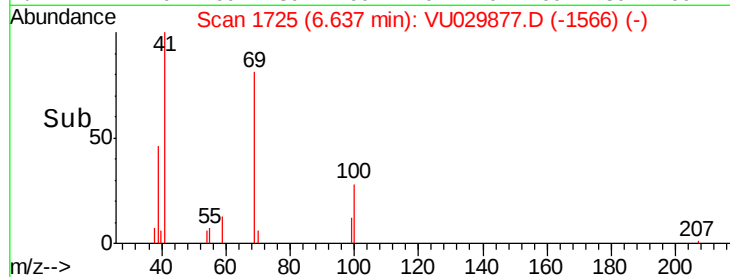
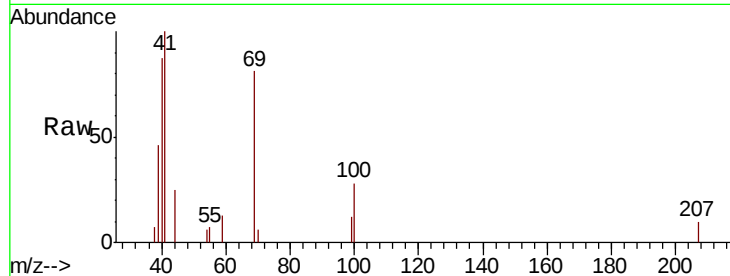
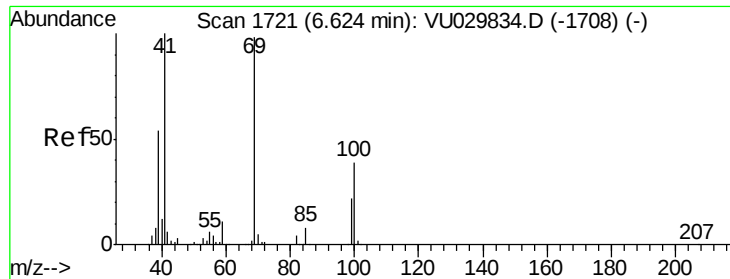
Tgt Ion: 43 Resp: 9911
Ion Ratio Lower Upper
43 100
58 45.4 21.6 65.0
85 18.4 16.5 24.7



#46
t-1,4-Dichloro-2-butene
Concen: 1.156 ug/l
RT: 10.49 min Scan# 2925
Delta R.T. -0.02 min
Lab File: VU029877.D
Acq: 08 Mar 2019 10:10

Tgt Ion: 75 Resp: 4370
Ion Ratio Lower Upper
75 100
53 17.7 59.2 88.8#
89 10.8 44.9 67.3#
88 7.9 32.2 48.2#

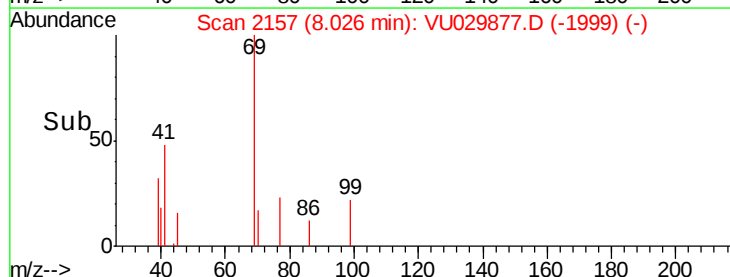
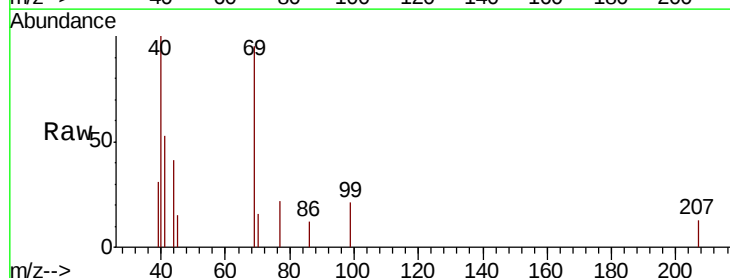
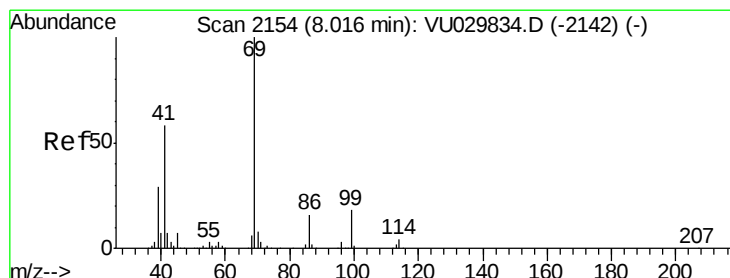
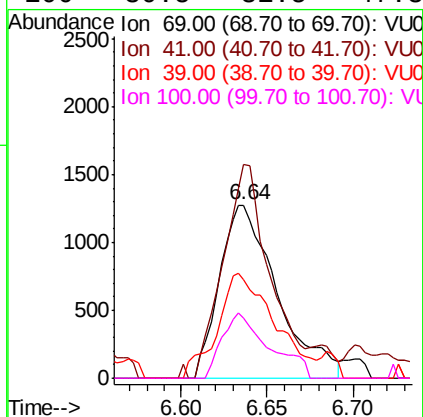




#47
Methyl methacrylate
Concen: 0.401 ug/l
RT: 6.64 min Scan# 1725
Delta R.T. 0.01 min
Lab File: VU029877.D
Acq: 08 Mar 2019 10:10

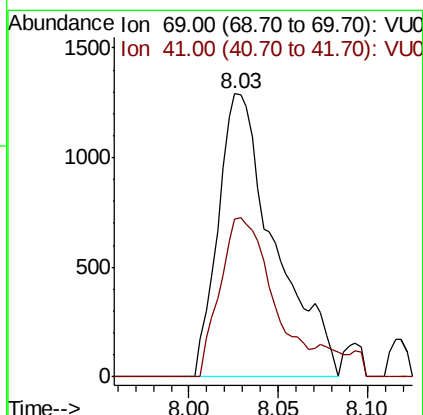
Instrument :
MSVOA_U
ClientSampleId :
MDL06

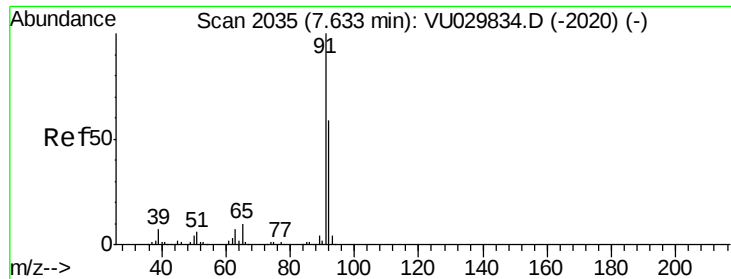
Tgt Ion: 69 Resp: 2987
Ion Ratio Lower Upper
69 100
41 99.2 0.0 201.0
39 60.1 43.3 64.9
100 30.5 31.5 47.3#



#48
Ethyl methacrylate
Concen: 0.200 ug/l
RT: 8.03 min Scan# 2157
Delta R.T. 0.01 min
Lab File: VU029877.D
Acq: 08 Mar 2019 10:10

Tgt Ion: 69 Resp: 2849
Ion Ratio Lower Upper
69 100
41 51.9 29.0 87.1





#49

Toluene

Concen: 0.222 ug/l

RT: 7.64 min Scan# 2036

Delta R.T. 0.00 min

Lab File: VU029877.D

Acq: 08 Mar 2019 10:10

Instrument :

MSVOA_U

ClientSampleId :

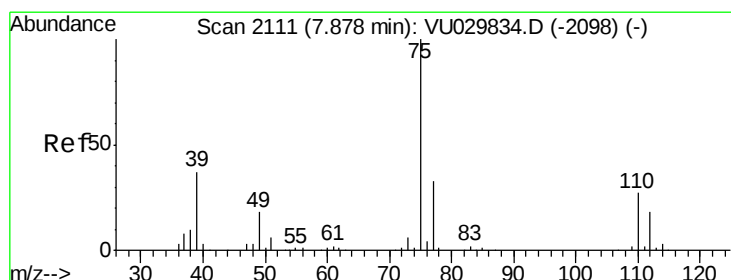
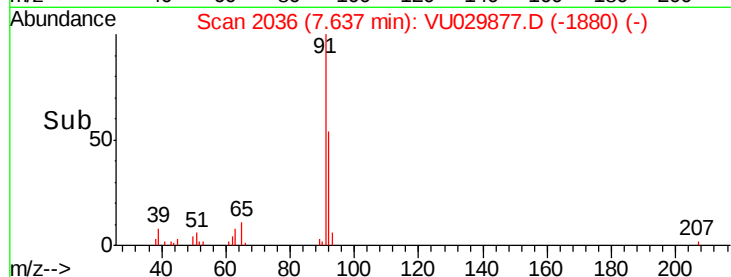
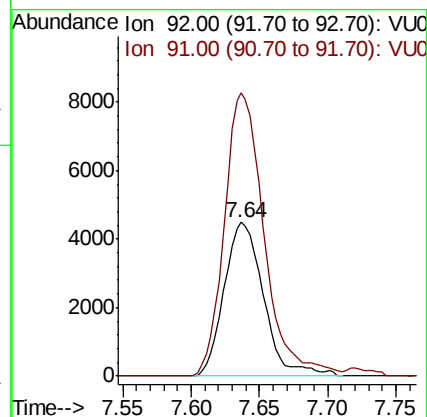
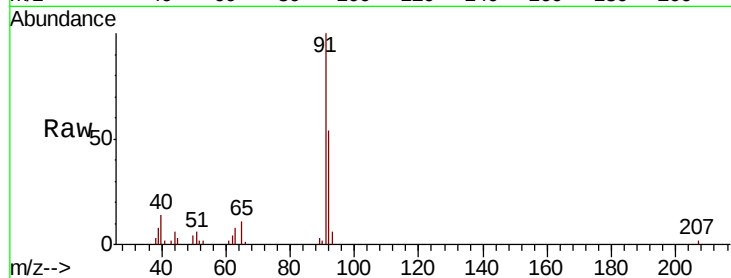
MDL06

Tgt Ion: 92 Resp: 9019

Ion Ratio Lower Upper

92 100

91 185.9 137.8 206.8



#50

t-1,3-Dichloropropene

Concen: 0.212 ug/l

RT: 7.89 min Scan# 2114

Delta R.T. 0.01 min

Lab File: VU029877.D

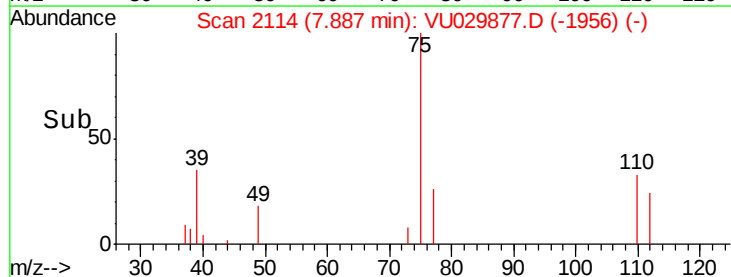
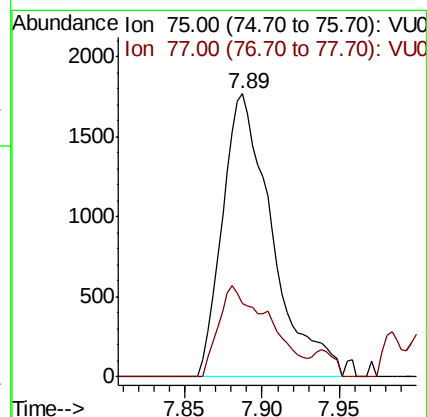
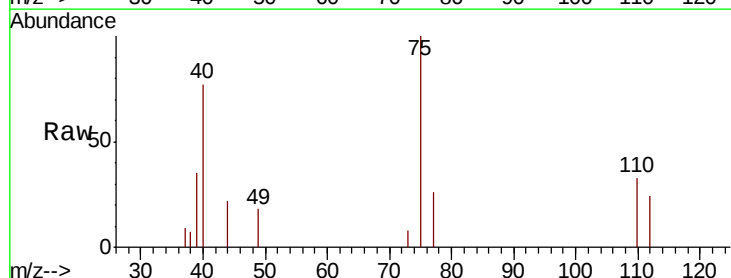
Acq: 08 Mar 2019 10:10

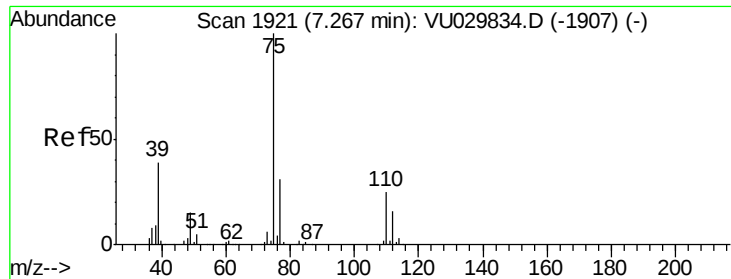
Tgt Ion: 75 Resp: 3952

Ion Ratio Lower Upper

75 100

77 25.7 26.4 39.6#



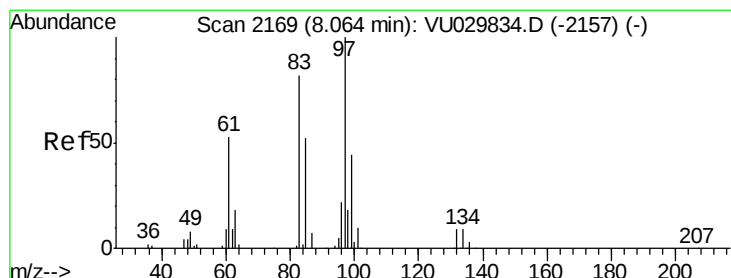
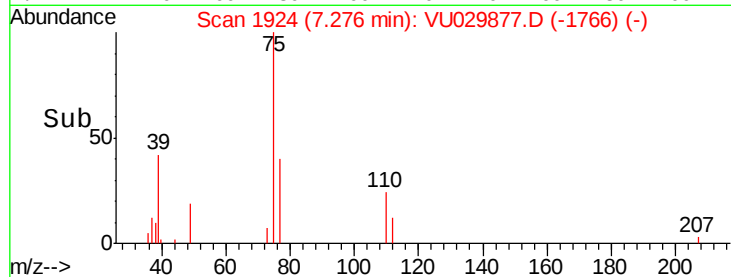
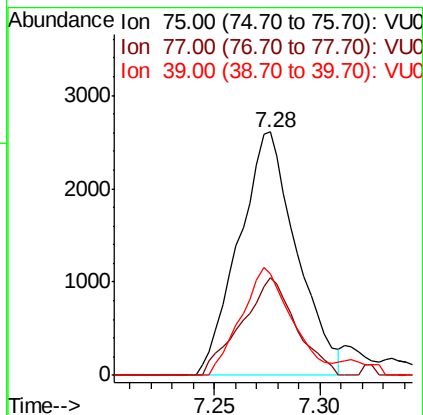
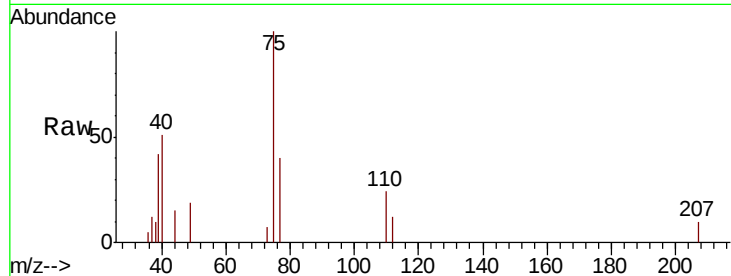


#51

cis-1,3-Dichloropropene
 Concen: 0.215 ug/l
 RT: 7.28 min Scan# 1924
 Delta R.T. 0.01 min
 Lab File: VU029877.D
 Acq: 08 Mar 2019 10:10

Instrument :
 MSVOA_U
 ClientSampleId :
 MDL06

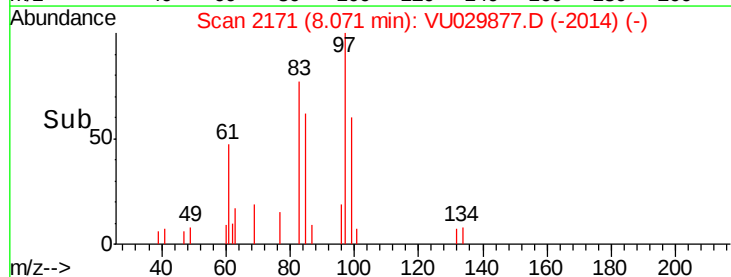
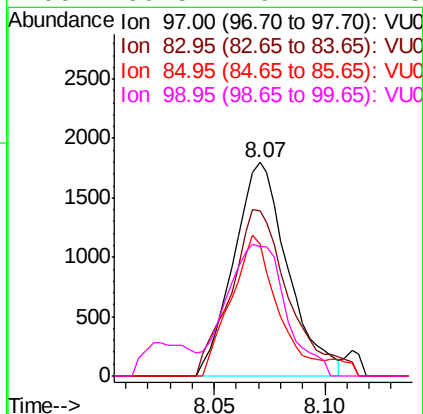
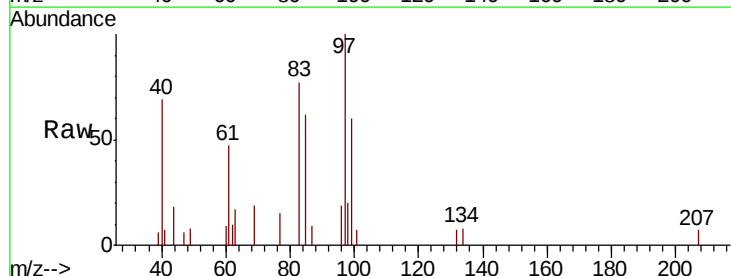
Tgt Ion: 75 Resp: 4962
 Ion Ratio Lower Upper
 75 100
 77 40.2 24.9 37.3#
 39 42.0 30.8 46.2

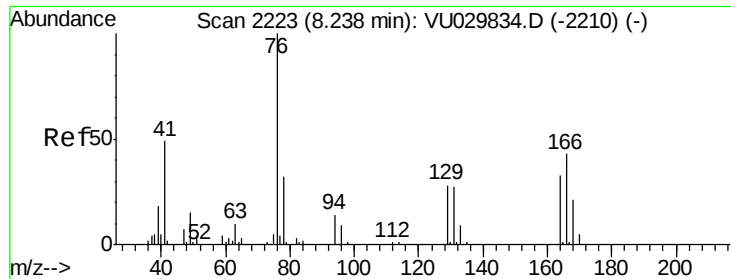


#52

1,1,2-Trichloroethane
 Concen: 0.238 ug/l
 RT: 8.07 min Scan# 2171
 Delta R.T. 0.01 min
 Lab File: VU029877.D
 Acq: 08 Mar 2019 10:10

Tgt Ion: 97 Resp: 3060
 Ion Ratio Lower Upper
 97 100
 83 77.5 65.9 98.9
 85 61.5 43.0 64.6
 99 60.5 49.7 74.5

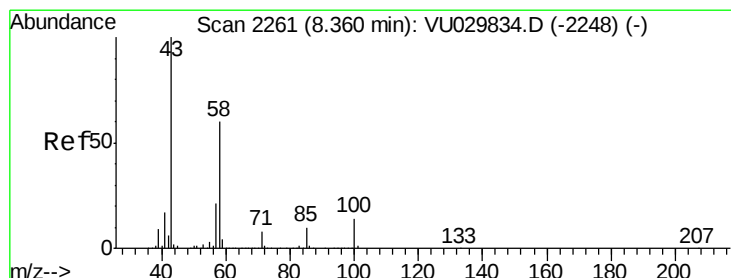
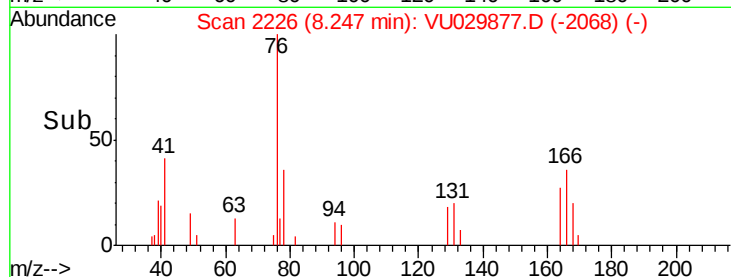
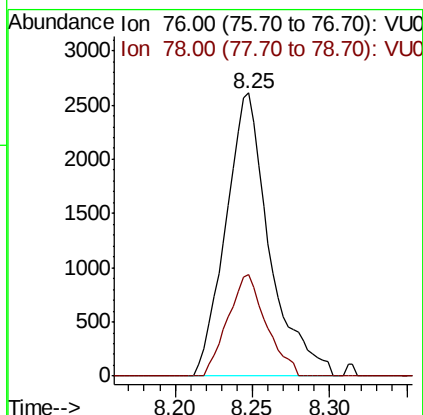
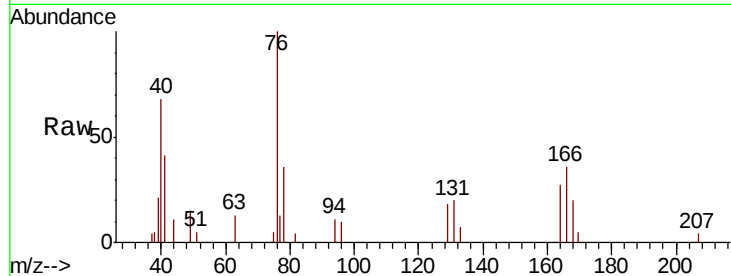




#53
 1,3-Dichloropropane
 Concen: 0.242 ug/l
 RT: 8.25 min Scan# 2226
 Delta R.T. 0.01 min
 Lab File: VU029877.D
 Acq: 08 Mar 2019 10:10

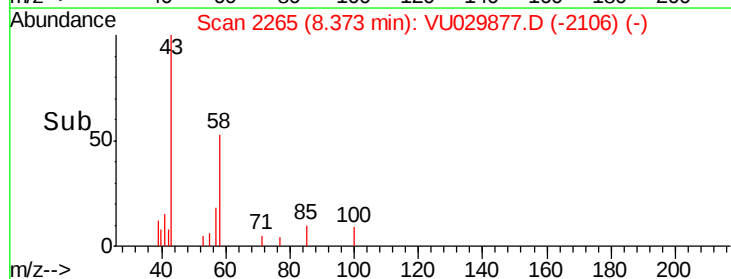
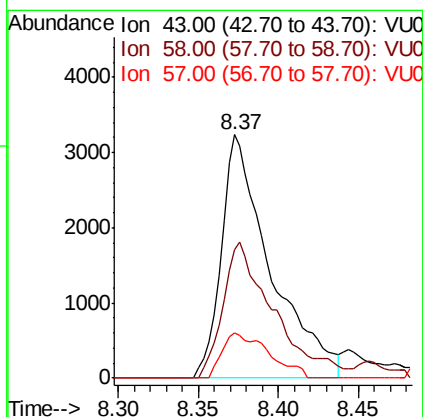
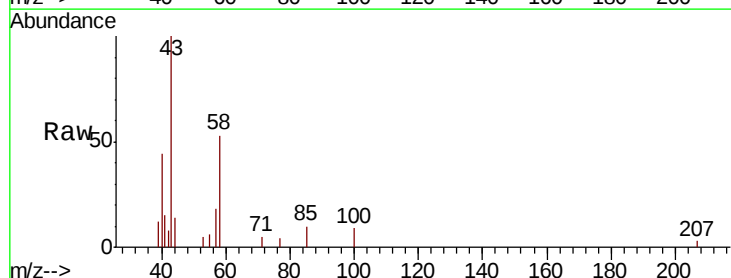
Instrument :
 MSVOA_U
 ClientSampleId :
 MDL06

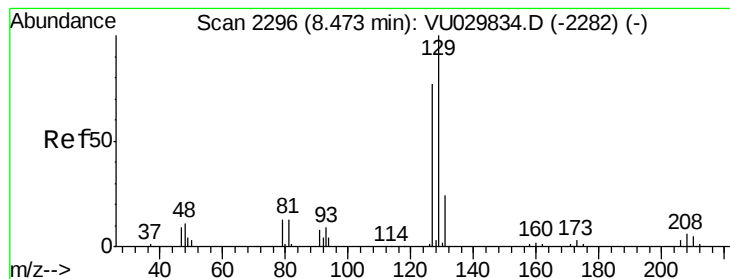
Tgt Ion: 76 Resp: 5103
 Ion Ratio Lower Upper
 76 100
 78 31.6 25.7 38.5



#54
 2-Hexanone
 Concen: 1.086 ug/l
 RT: 8.37 min Scan# 2265
 Delta R.T. 0.01 min
 Lab File: VU029877.D
 Acq: 08 Mar 2019 10:10

Tgt Ion: 43 Resp: 6818
 Ion Ratio Lower Upper
 43 100
 58 57.7 39.6 79.6
 57 17.5 0.5 40.5





#55

Dibromochloromethane

Concen: 0.228 ug/l

RT: 8.48 min Scan# 2297

Delta R.T. 0.00 min

Lab File: VU029877.D

Acq: 08 Mar 2019 10:10

Instrument :

MSVOA_U

ClientSampleId :

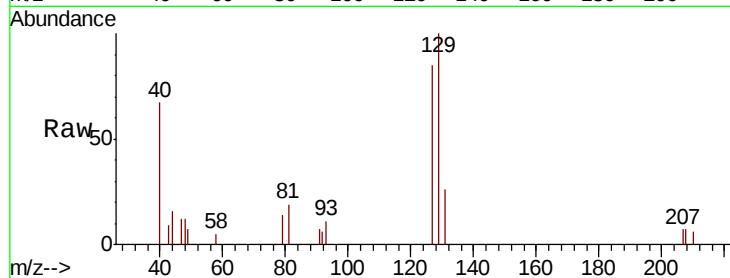
MDL06

Tgt Ion:129 Resp: 3467

Ion Ratio Lower Upper

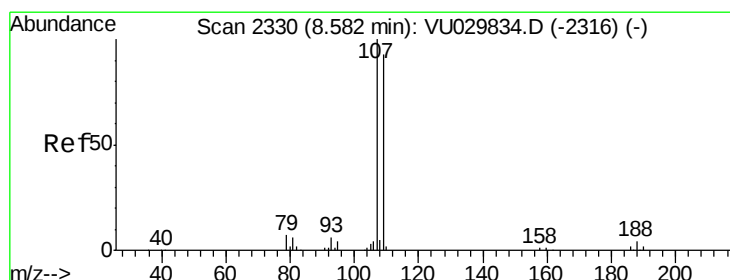
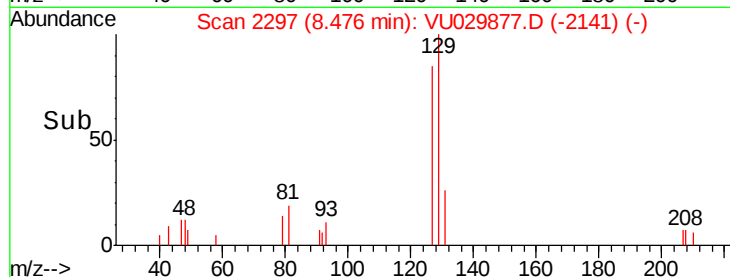
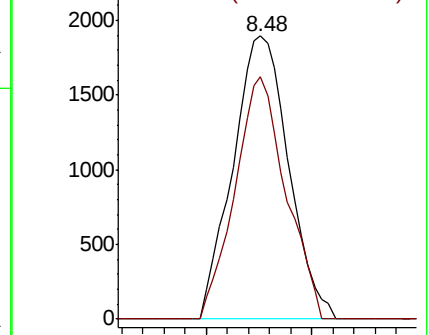
129 100

127 78.4 61.6 92.4



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#56

1,2-Dibromoethane

Concen: 0.239 ug/l

RT: 8.59 min Scan# 2332

Delta R.T. 0.01 min

Lab File: VU029877.D

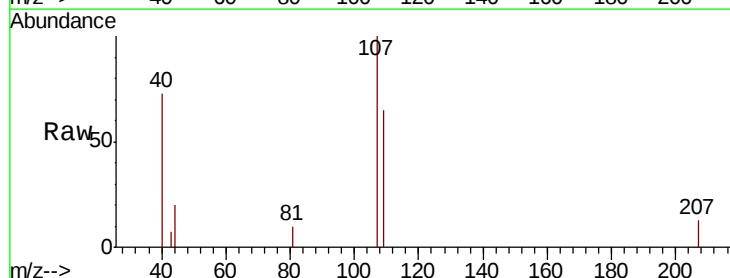
Acq: 08 Mar 2019 10:10

Tgt Ion:107 Resp: 2903

Ion Ratio Lower Upper

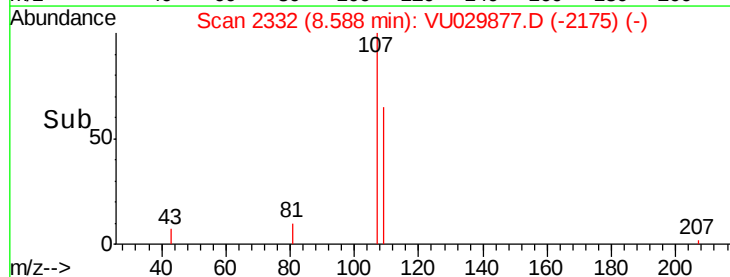
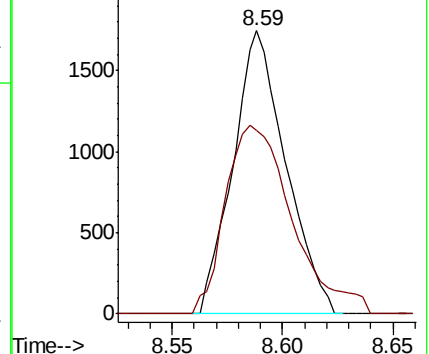
107 100

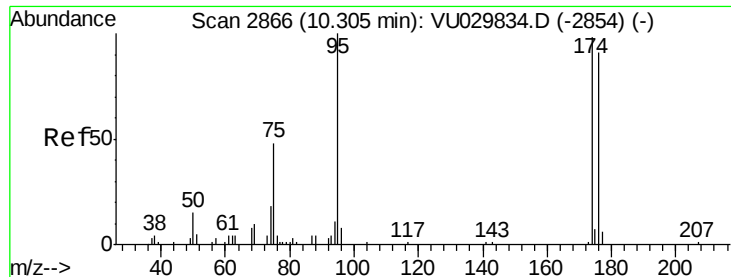
109 84.2 0.0 188.4



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V





#57

4-Bromofluorobenzene

Concen: 0.239 ug/l

RT: 10.31 min Scan# 2867

Delta R.T. 0.00 min

Lab File: VU029877.D

Acq: 08 Mar 2019 10:10

Instrument :

MSVOA_U

ClientSampleId :

MDL06

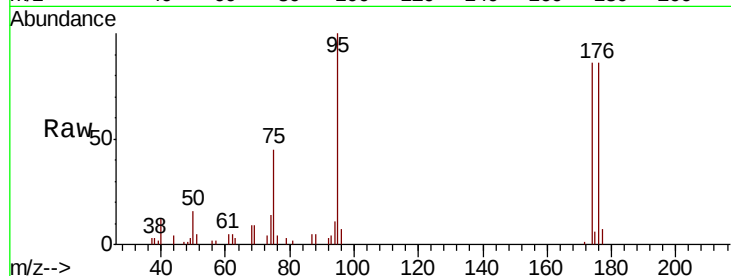
Tgt Ion: 95 Resp: 19158

Ion Ratio Lower Upper

95 100

174 89.4 76.5 114.7

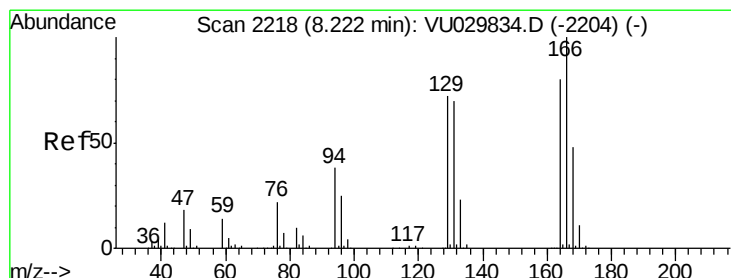
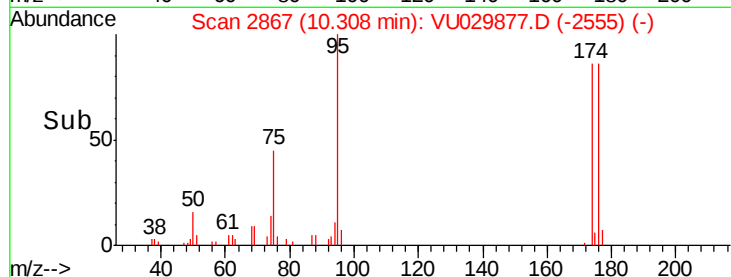
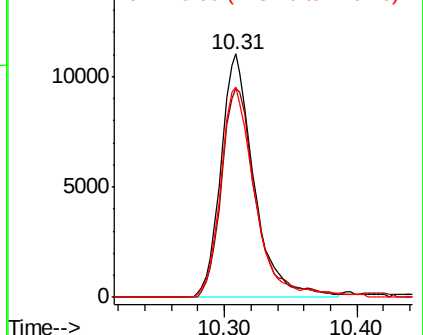
176 87.0 74.2 111.2



Abundance Ion 95.00 (94.70 to 95.70): VU0

Ion 174.00 (173.70 to 174.70): V

Ion 176.00 (175.70 to 176.70): V



#58

Tetrachloroethene

Concen: 0.309 ug/l

RT: 8.22 min Scan# 2218

Delta R.T. -0.00 min

Lab File: VU029877.D

Acq: 08 Mar 2019 10:10

Tgt Ion: 164 Resp: 6085

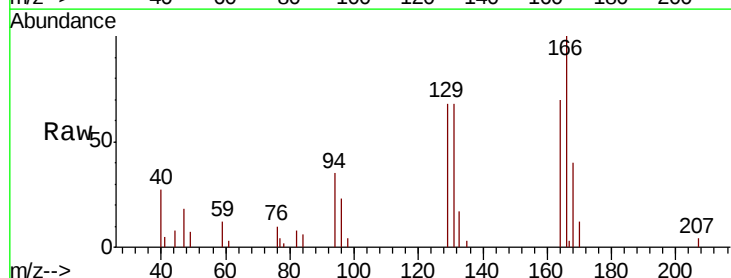
Ion Ratio Lower Upper

164 100

166 143.6 100.5 150.7

129 97.4 72.3 108.5

131 97.8 70.0 105.0

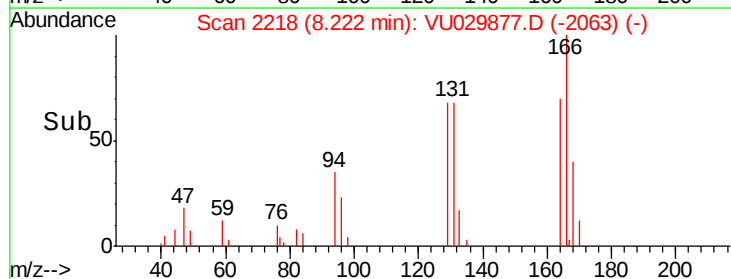
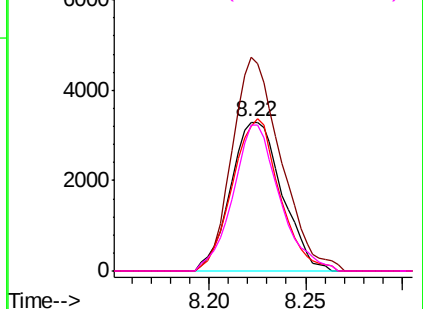


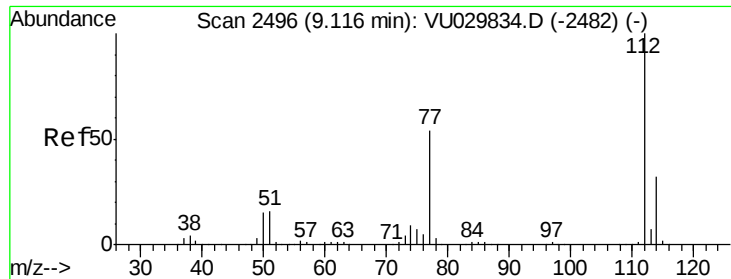
Abundance Ion 163.85 (163.55 to 164.55): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.90 (128.60 to 129.60): V

Ion 130.90 (130.60 to 131.60): V





#59

Chlorobenzene

Concen: 0.232 ug/l

RT: 9.12 min Scan# 2498

Delta R.T. 0.01 min

Lab File: VU029877.D

Acq: 08 Mar 2019 10:10

Instrument :

MSVOA_U

ClientSampleId :

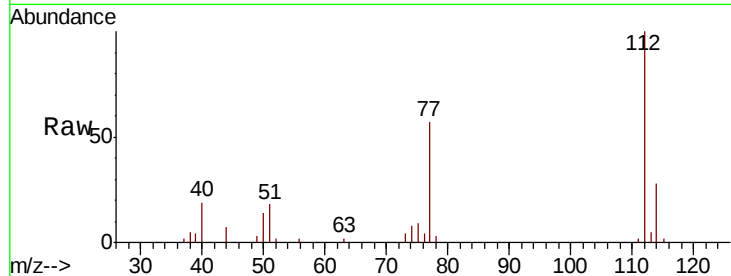
MDL06

Tgt Ion:112 Resp: 10826

Ion Ratio Lower Upper

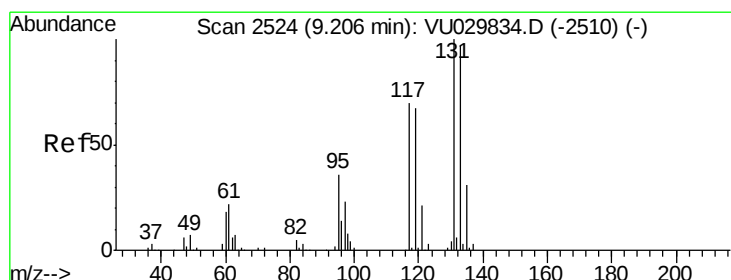
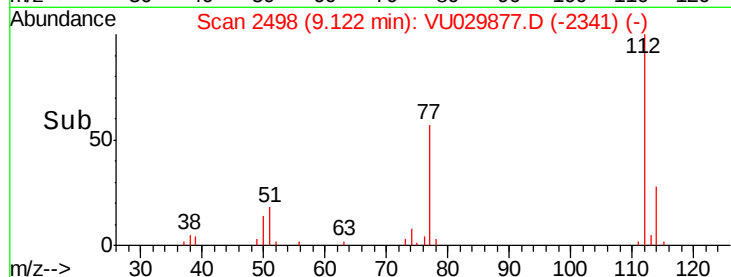
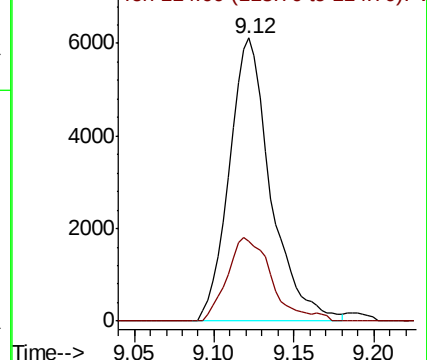
112 100

114 28.1 25.4 38.2



Abundance Ion 112.00 (111.70 to 112.70): V

Ion 114.00 (113.70 to 114.70): V



#60

1,1,1,2-Tetrachloroethane

Concen: 0.228 ug/l

RT: 9.21 min Scan# 2524

Delta R.T. -0.00 min

Lab File: VU029877.D

Acq: 08 Mar 2019 10:10

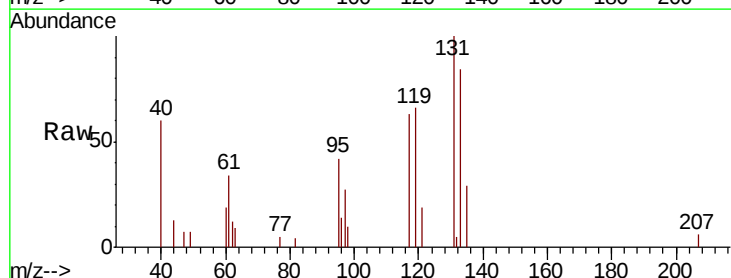
Tgt Ion:131 Resp: 3812

Ion Ratio Lower Upper

131 100

133 95.5 76.4 114.6

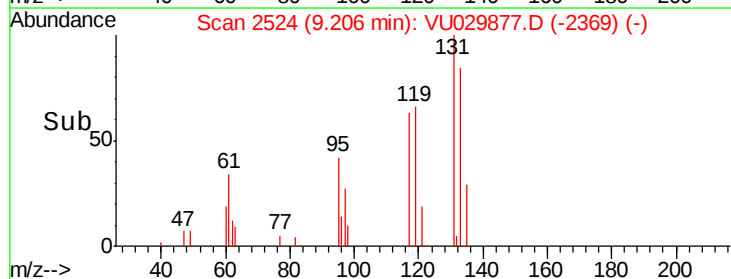
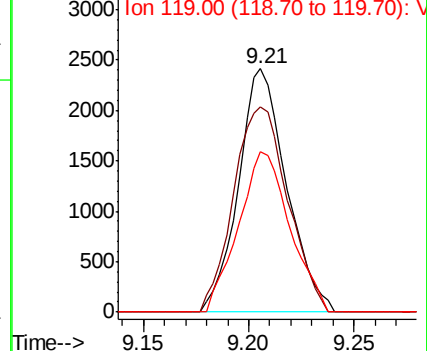
119 70.5 54.2 81.4

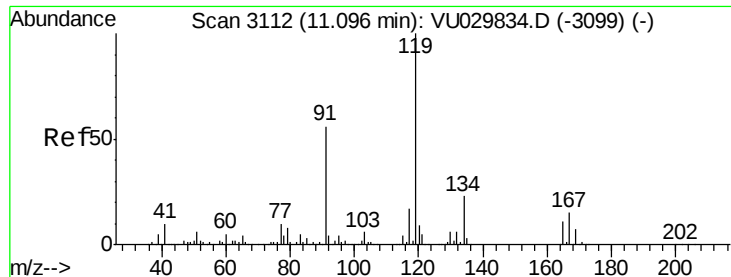


Abundance Ion 131.00 (130.70 to 131.70): V

Ion 133.00 (132.70 to 133.70): V

Ion 119.00 (118.70 to 119.70): V

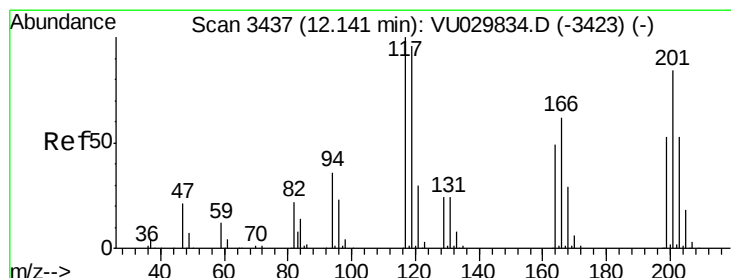
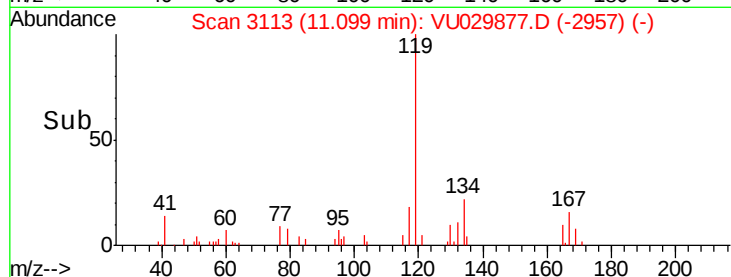
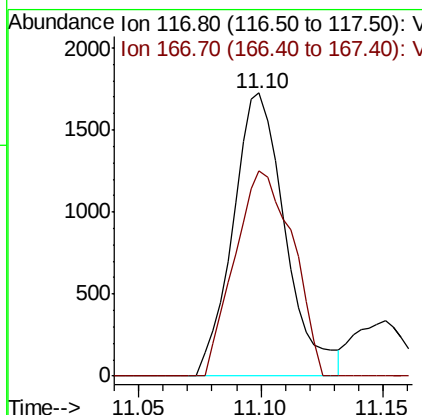
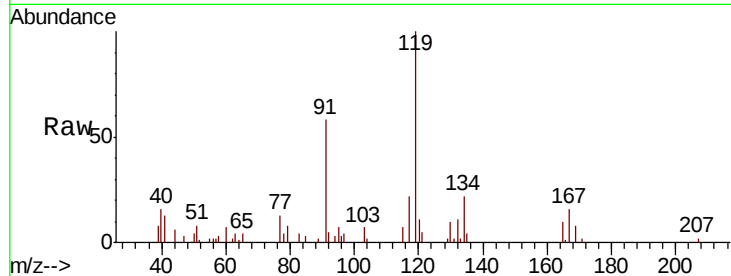




#61
 Pentachloroethane
 Concen: 0.221 ug/l
 RT: 11.10 min Scan# 3113
 Delta R.T. 0.00 min
 Lab File: VU029877.D
 Acq: 08 Mar 2019 10:10

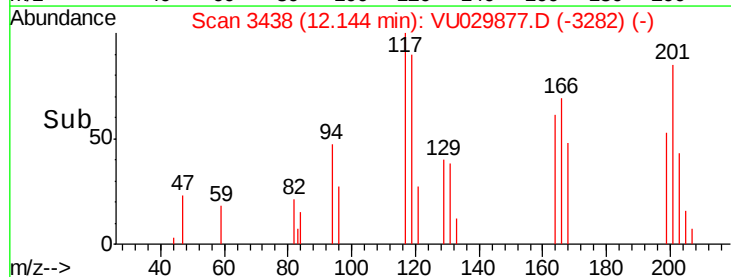
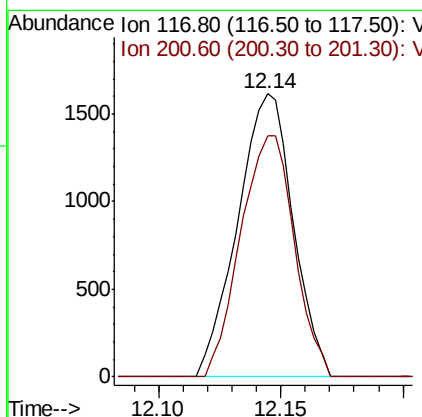
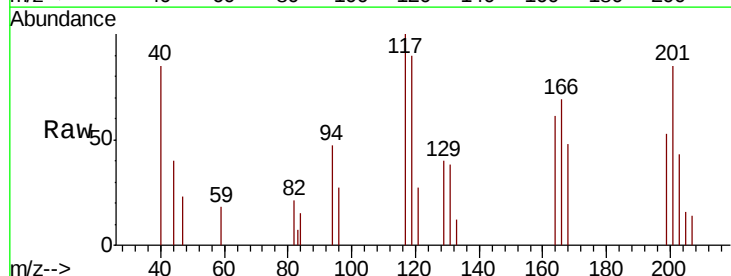
Instrument :
 MSVOA_U
 ClientSampleId :
 MDL06

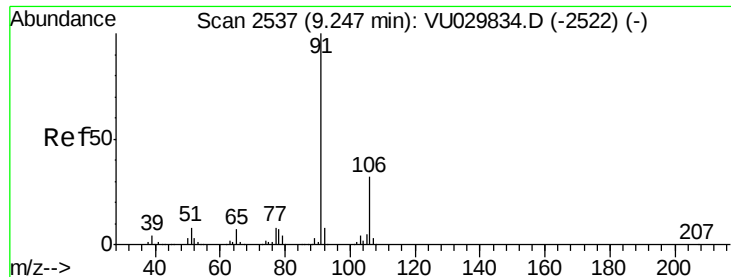
Tgt Ion:117 Resp: 2570
 Ion Ratio Lower Upper
 117 100
 167 80.8 71.4 107.2



#62
 Hexachloroethane
 Concen: 0.208 ug/l
 RT: 12.14 min Scan# 3438
 Delta R.T. 0.00 min
 Lab File: VU029877.D
 Acq: 08 Mar 2019 10:10

Tgt Ion:117 Resp: 2548
 Ion Ratio Lower Upper
 117 100
 201 82.5 68.2 102.2

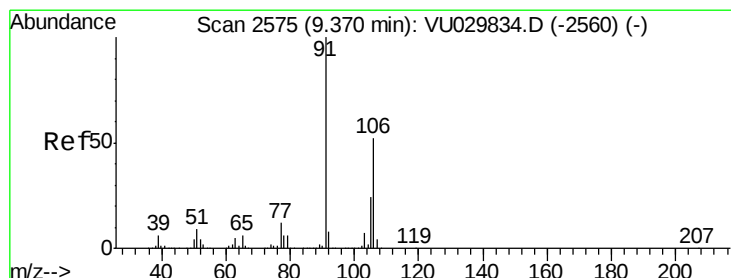
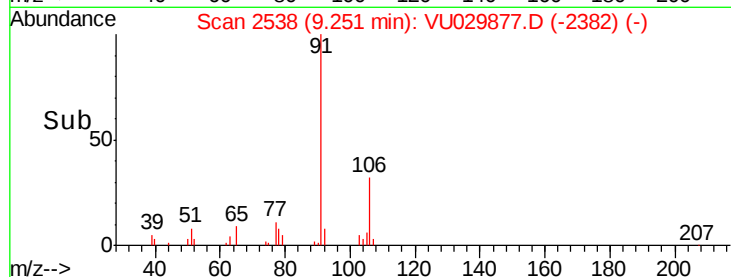
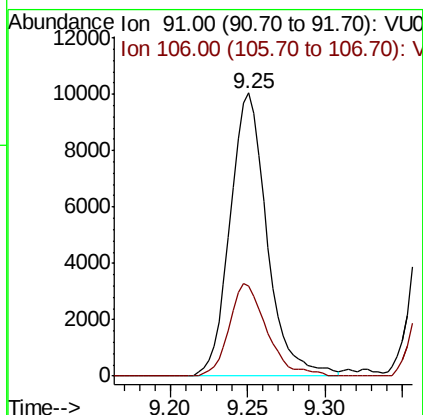
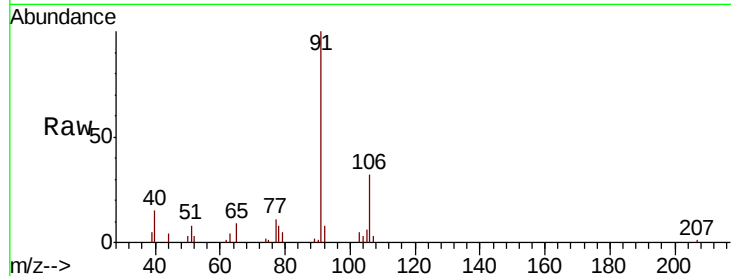




#63
Ethyl Benzene
Concen: 0.218 ug/l
RT: 9.25 min Scan# 2538
Delta R.T. 0.00 min
Lab File: VU029877.D
Acq: 08 Mar 2019 10:10

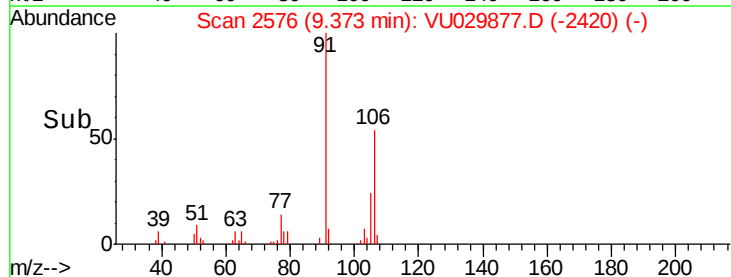
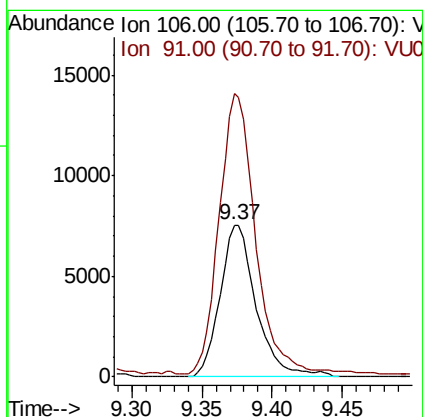
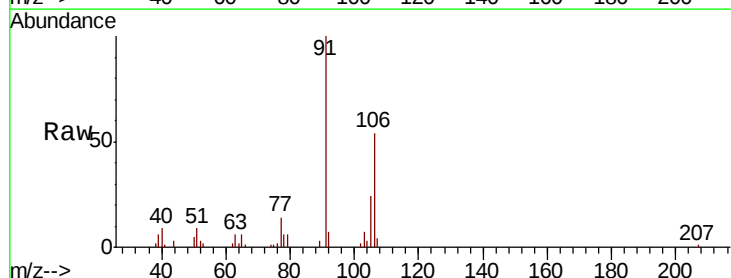
Instrument :
MSVOA_U
ClientSampleId :
MDL06

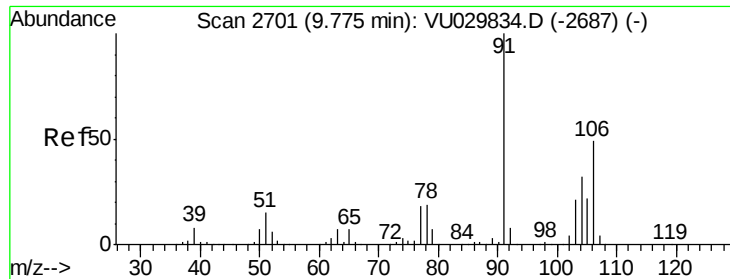
Tgt Ion: 91 Resp: 16665
Ion Ratio Lower Upper
91 100
106 31.7 25.7 38.5



#64
m/p-Xylenes
Concen: 0.446 ug/l
RT: 9.37 min Scan# 2576
Delta R.T. 0.00 min
Lab File: VU029877.D
Acq: 08 Mar 2019 10:10

Tgt Ion: 106 Resp: 13461
Ion Ratio Lower Upper
106 100
91 184.1 155.3 232.9

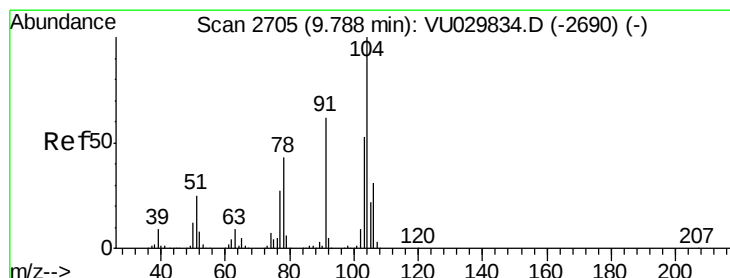
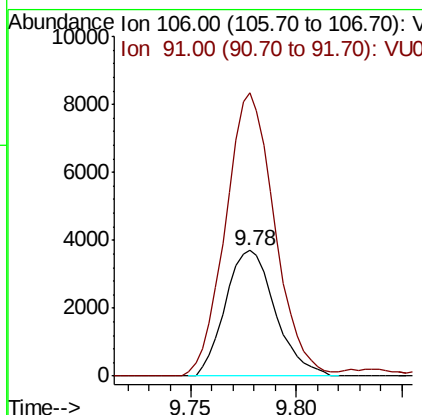
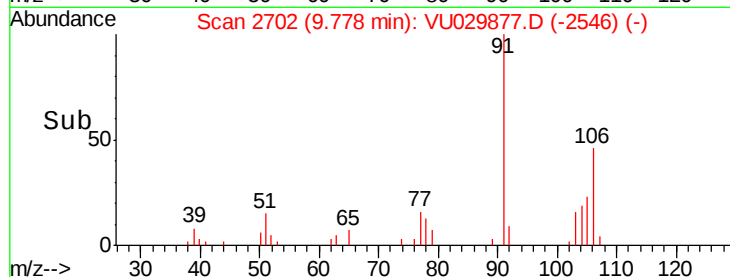
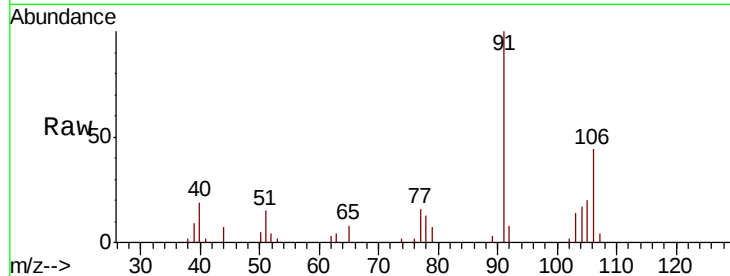




#65
o-Xylene
Concen: 0.210 ug/l
RT: 9.78 min Scan# 2702
Delta R.T. 0.00 min
Lab File: VU029877.D
Acq: 08 Mar 2019 10:10

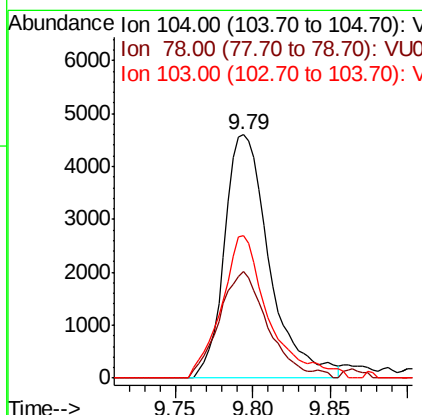
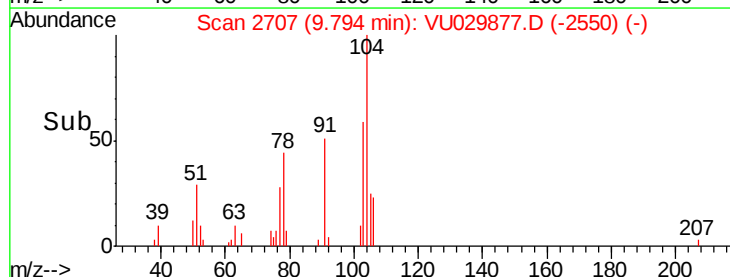
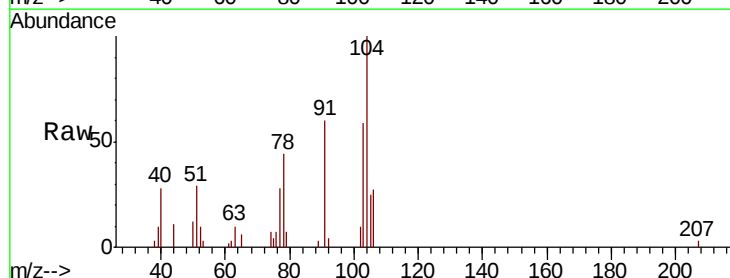
Instrument :
MSVOA_U
ClientSampleId :
MDL06

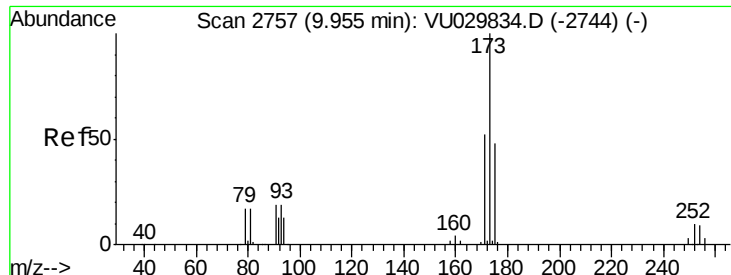
Tgt Ion:106 Resp: 6079
Ion Ratio Lower Upper
106 100
91 221.9 102.8 308.3



#66
Styrene
Concen: 0.193 ug/l
RT: 9.79 min Scan# 2707
Delta R.T. 0.01 min
Lab File: VU029877.D
Acq: 08 Mar 2019 10:10

Tgt Ion:104 Resp: 9293
Ion Ratio Lower Upper
104 100
78 46.3 37.2 55.8
103 61.0 44.7 67.1





#67

Bromoform

Concen: 0.220 ug/l

RT: 9.96 min Scan# 2758

Delta R.T. 0.00 min

Lab File: VU029877.D

Acq: 08 Mar 2019 10:10

Instrument :

MSVOA_U

ClientSampled :

MDL06

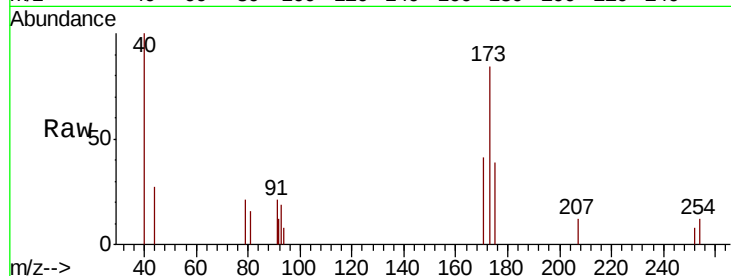
Tgt Ion:173 Resp: 1967

Ion Ratio Lower Upper

173 100

175 45.8 38.6 57.8

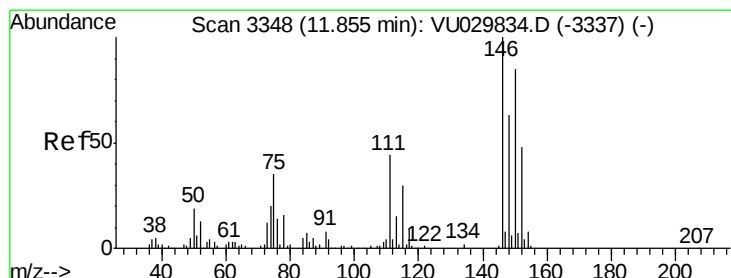
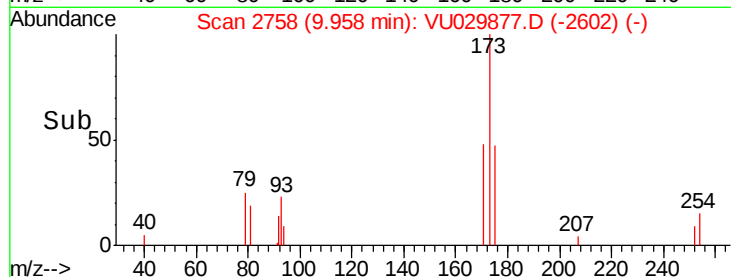
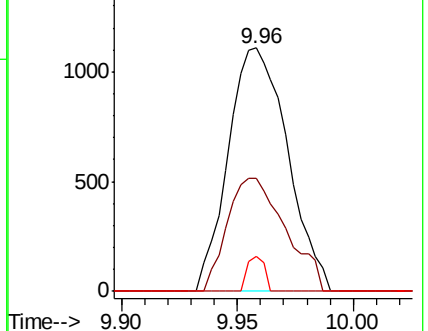
254 4.2 7.4 11.2#



Abundance Ion 172.90 (172.60 to 173.60): V

Ion 174.90 (174.60 to 175.60): V

Ion 253.75 (253.45 to 254.45): V



#68

1,2-Dichlorobenzene-d4

Concen: 0.220 ug/l

RT: 11.86 min Scan# 3349

Delta R.T. 0.00 min

Lab File: VU029877.D

Acq: 08 Mar 2019 10:10

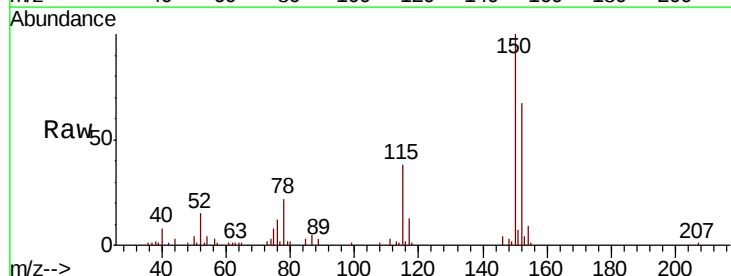
Tgt Ion:152 Resp: 22356

Ion Ratio Lower Upper

152 100

115 60.7 0.0 124.0

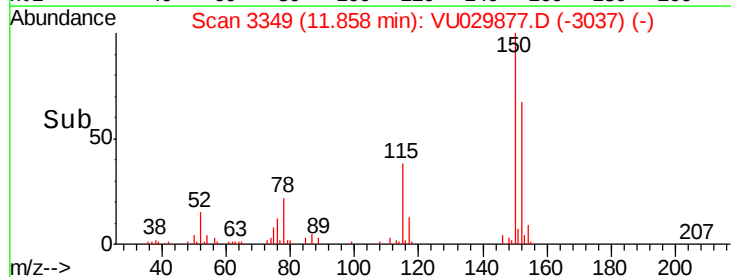
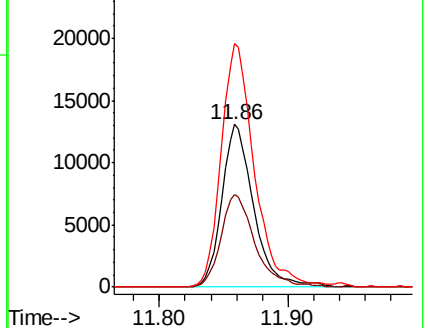
150 156.2 0.0 631.2

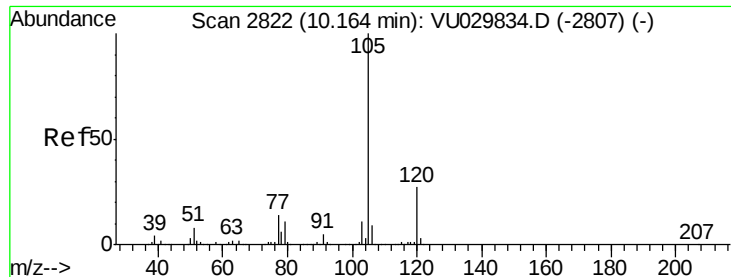


Abundance Ion 152.00 (151.70 to 152.70): V

Ion 115.00 (114.70 to 115.70): V

Ion 150.00 (149.70 to 150.70): V





#69

Isopropylbenzene

Concen: 0.217 ug/l

RT: 10.16 min Scan# 2822

Delta R.T. -0.00 min

Lab File: VU029877.D

Acq: 08 Mar 2019 10:10

Instrument :

MSVOA_U

ClientSampled :

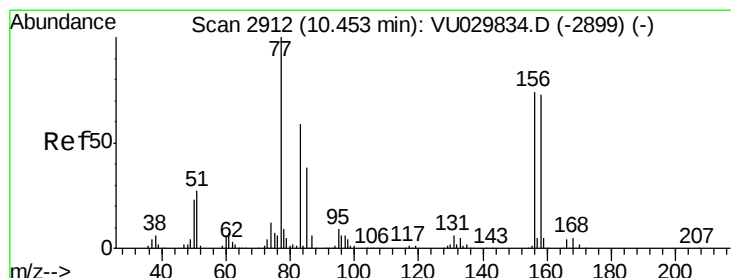
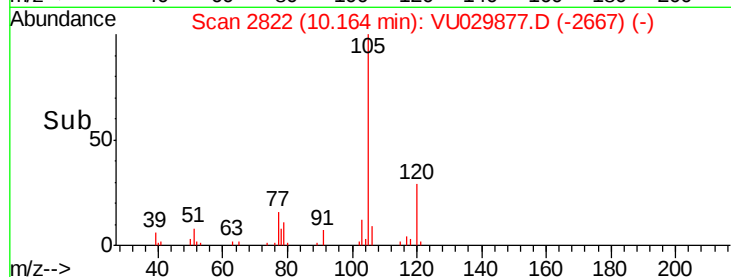
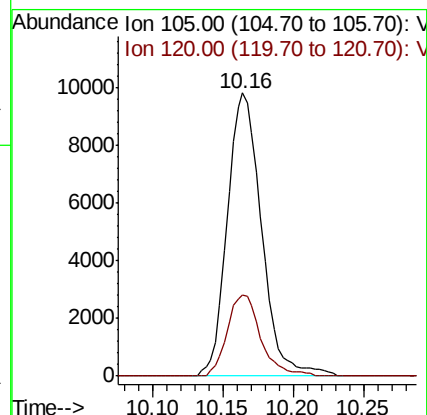
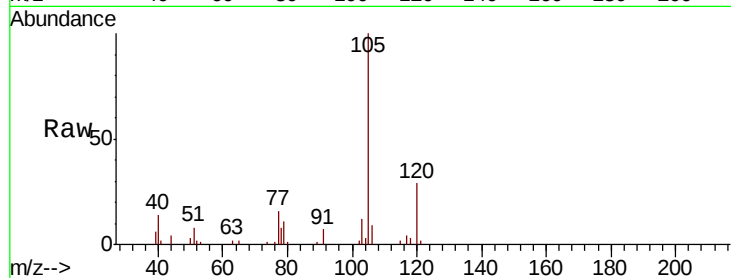
MDL06

Tgt Ion:105 Resp: 16666

Ion Ratio Lower Upper

105 100

120 28.1 13.5 40.5



#70

1,1,2,2-Tetrachloroethane

Concen: 0.245 ug/l

RT: 10.46 min Scan# 2913

Delta R.T. 0.00 min

Lab File: VU029877.D

Acq: 08 Mar 2019 10:10

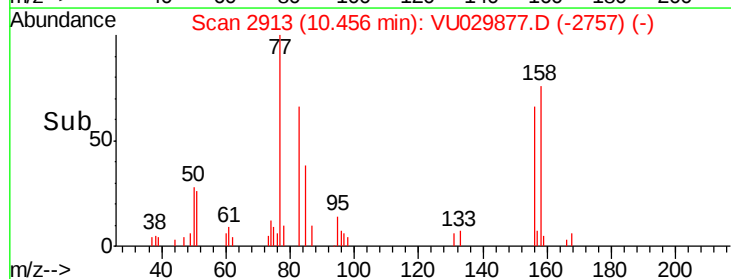
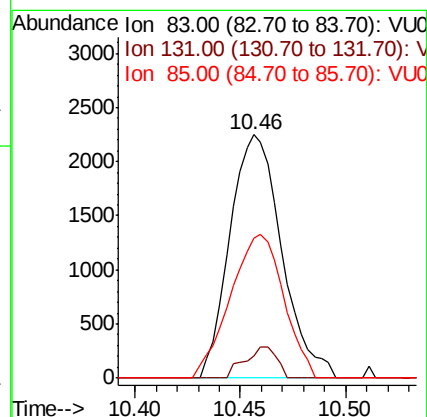
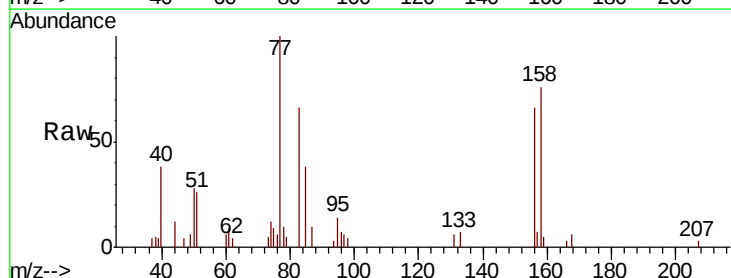
Tgt Ion: 83 Resp: 3834

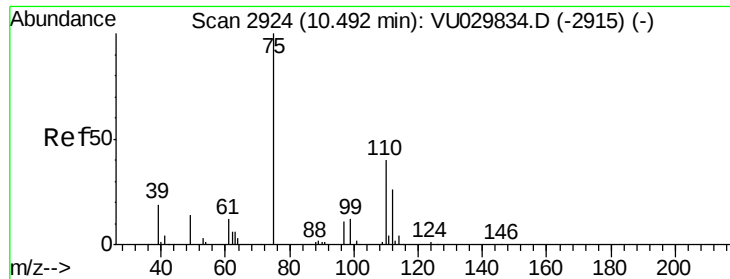
Ion Ratio Lower Upper

83 100

131 7.9 8.3 12.5#

85 60.6 52.5 78.7

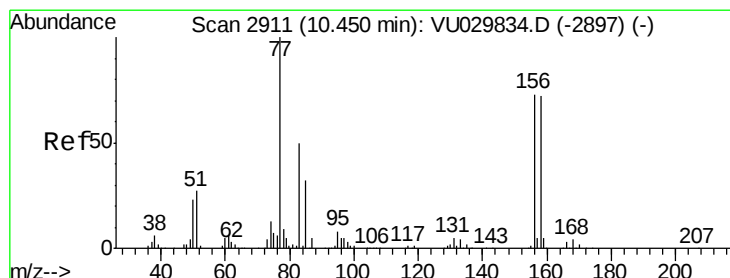
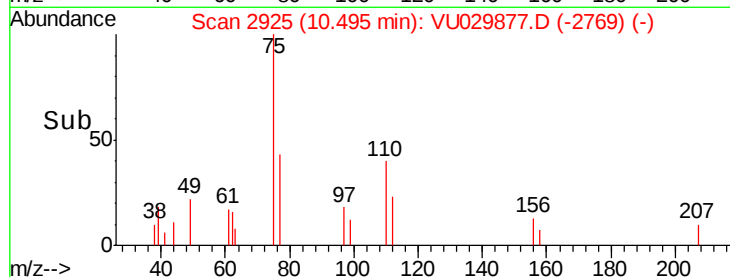
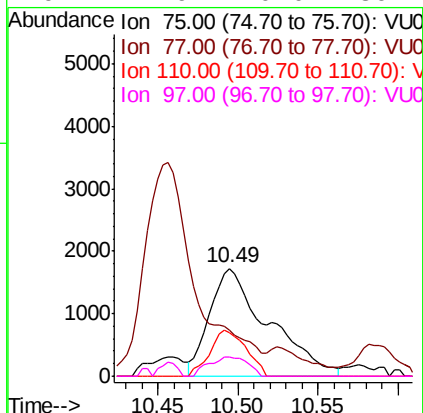
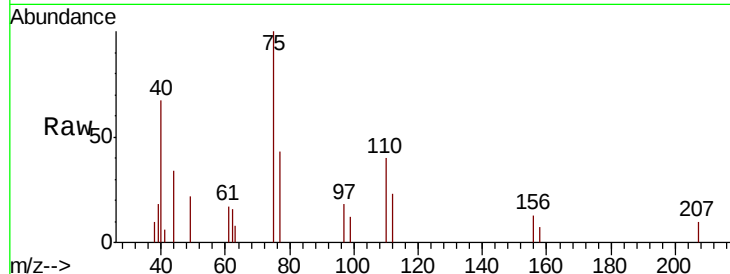




#71
 1,2,3-Trichloropropane
 Concen: 0.376 ug/l
 RT: 10.49 min Scan# 2925
 Delta R.T. 0.00 min
 Lab File: VU029877.D
 Acq: 08 Mar 2019 10:10

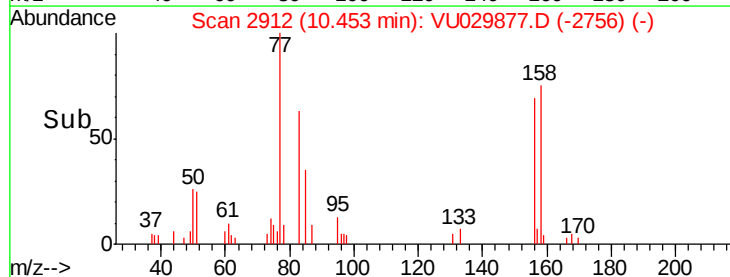
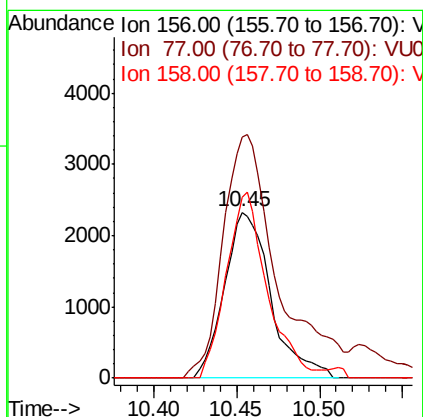
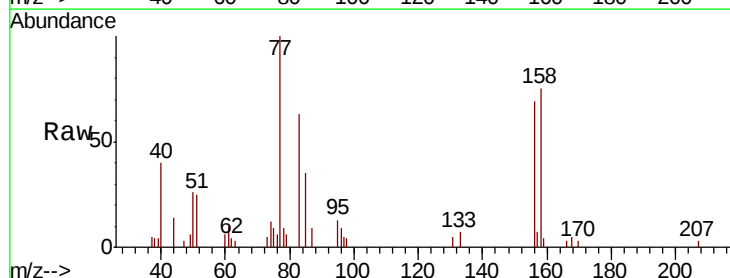
Instrument :
 MSVOA_U
 ClientSampleID :
 MDL06

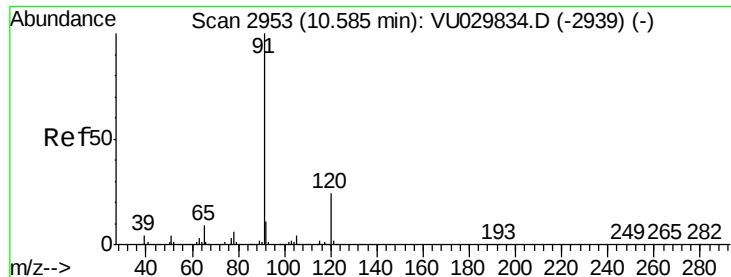
Tgt Ion: 75 Resp: 4370
 Ion Ratio Lower Upper
 75 100
 77 16.9 0.0 16.4#
 110 26.2 0.0 74.8
 97 11.9 0.0 39.4



#72
 Bromobenzene
 Concen: 0.222 ug/l
 RT: 10.45 min Scan# 2912
 Delta R.T. 0.00 min
 Lab File: VU029877.D
 Acq: 08 Mar 2019 10:10

Tgt Ion: 156 Resp: 4521
 Ion Ratio Lower Upper
 156 100
 77 173.9 0.0 282.2
 158 99.5 0.0 196.2





#73

n-propylbenzene

Concen: 0.202 ug/l

RT: 10.59 min Scan# 2954

Delta R.T. 0.00 min

Lab File: VU029877.D

Acq: 08 Mar 2019 10:10

Instrument :

MSVOA_U

ClientSampleId :

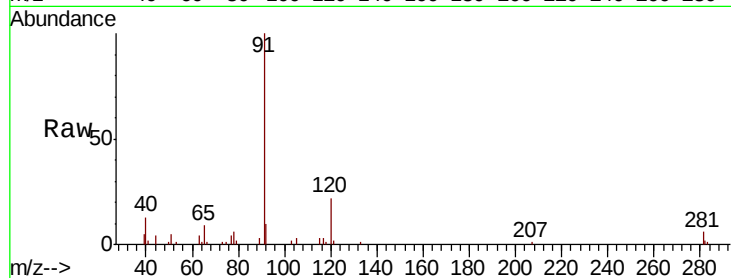
MDL06

Tgt Ion:120 Resp: 4378

Ion Ratio Lower Upper

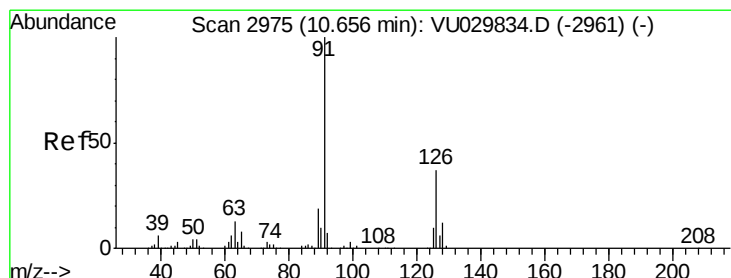
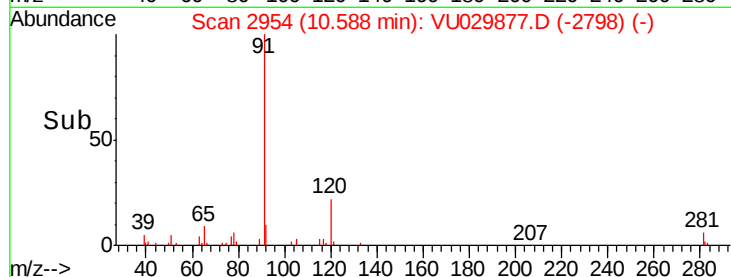
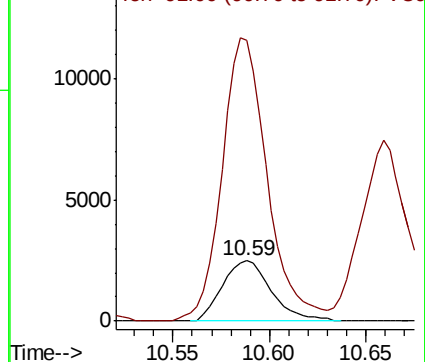
120 100

91 433.8 333.4 500.2



Abundance Ion 120.00 (119.70 to 120.70): V

Ion 91.00 (90.70 to 91.70): VU0



#74

2-Chlorotoluene

Concen: 0.217 ug/l

RT: 10.66 min Scan# 2975

Delta R.T. -0.00 min

Lab File: VU029877.D

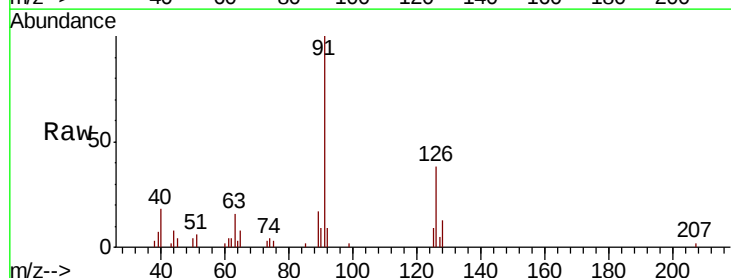
Acq: 08 Mar 2019 10:10

Tgt Ion:126 Resp: 4171

Ion Ratio Lower Upper

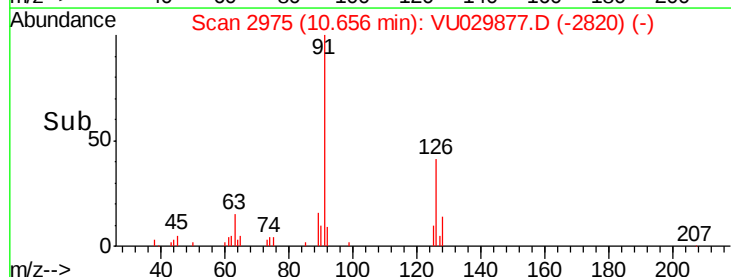
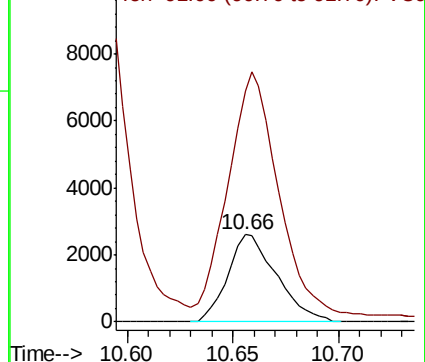
126 100

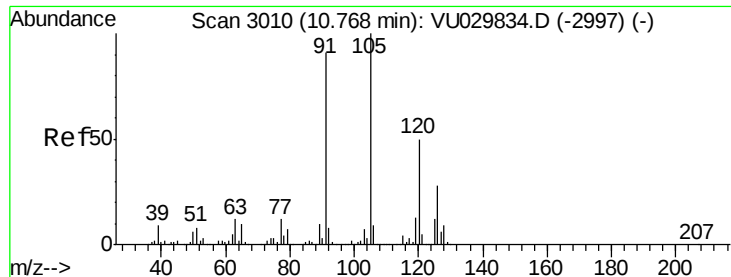
91 298.4 0.0 569.0



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: 0.201 ug/l

RT: 10.77 min Scan# 3011

Delta R.T. 0.00 min

Lab File: VU029877.D

Acq: 08 Mar 2019 10:10

Instrument :

MSVOA_U

ClientSampleId :

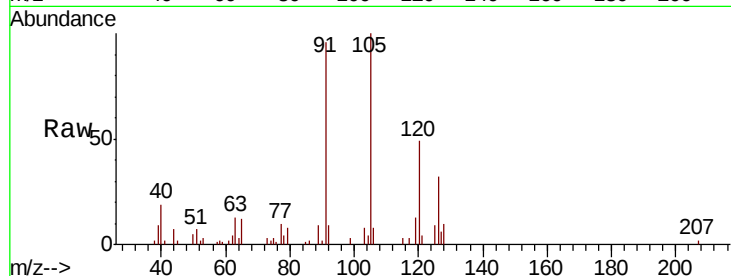
MDL06

Tgt Ion:105 Resp: 13020

Ion Ratio Lower Upper

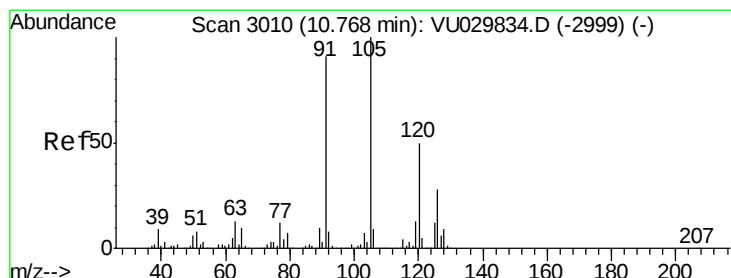
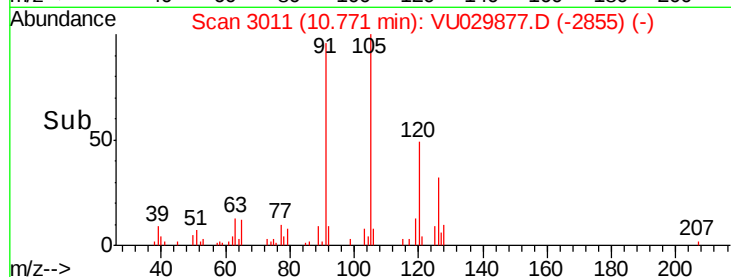
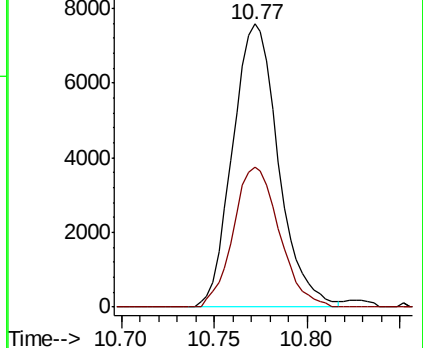
105 100

120 49.6 40.0 60.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#76

4-Chlorotoluene

Concen: 0.214 ug/l

RT: 10.77 min Scan# 3012

Delta R.T. 0.01 min

Lab File: VU029877.D

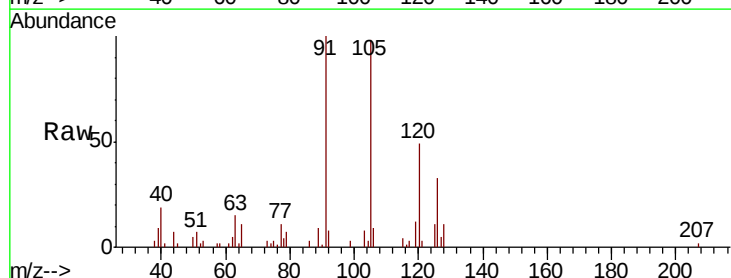
Acq: 08 Mar 2019 10:10

Tgt Ion:126 Resp: 4181

Ion Ratio Lower Upper

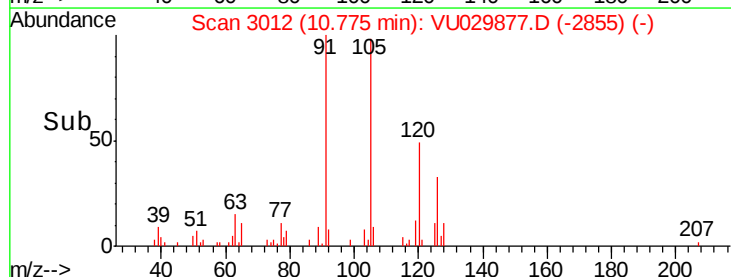
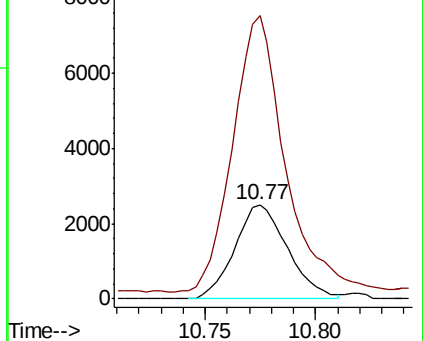
126 100

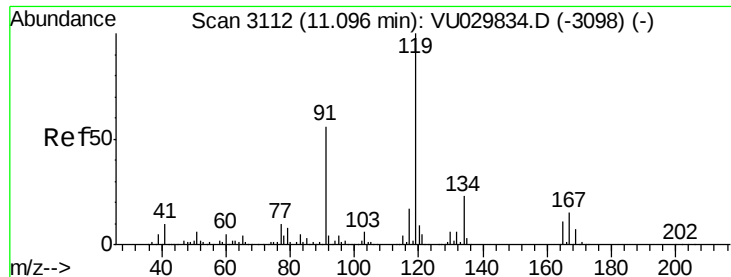
91 293.9 0.0 634.8



Abundance Ion 126.00 (125.70 to 126.70): V

Ion 91.00 (90.70 to 91.70): VU0

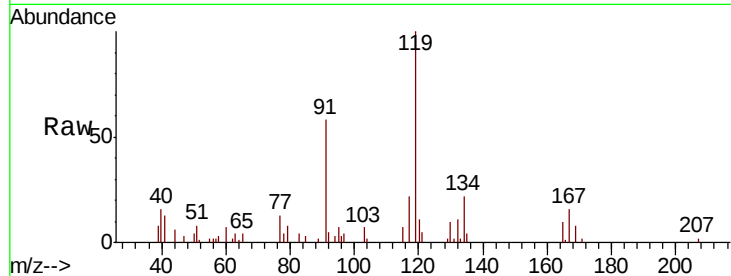




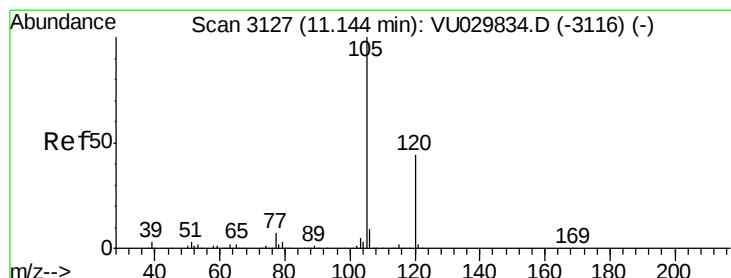
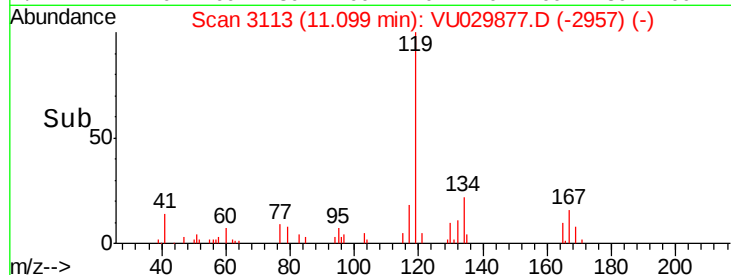
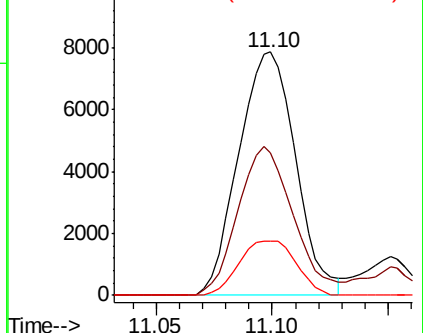
#77
 tert-Butylbenzene
 Concen: 0.209 ug/l
 RT: 11.10 min Scan# 3113
 Delta R.T. 0.00 min
 Lab File: VU029877.D
 Acq: 08 Mar 2019 10:10

Instrument :
 MSVOA_U
 ClientSampleId :
 MDL06

Tgt Ion:119 Resp: 13380
 Ion Ratio Lower Upper
 119 100
 91 59.3 27.7 83.1
 134 22.4 18.7 28.1

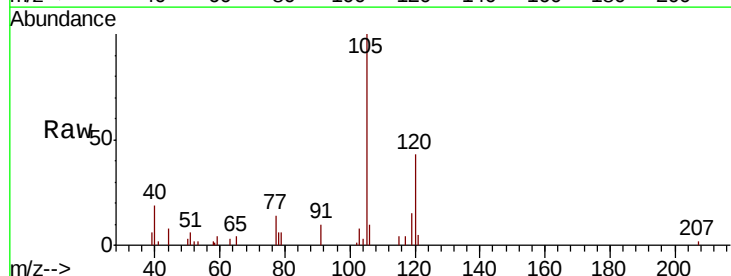


Abundance Ion 119.00 (118.70 to 119.70): V
 Ion 91.00 (90.70 to 91.70): VU0
 Ion 134.00 (133.70 to 134.70): V

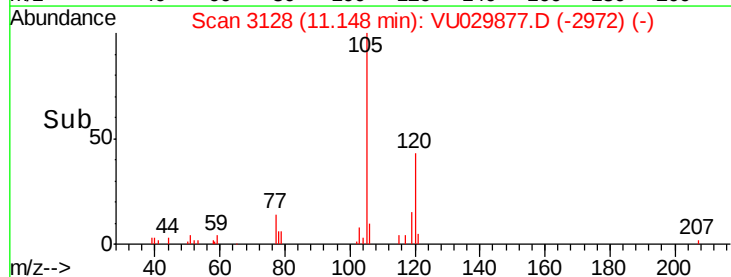
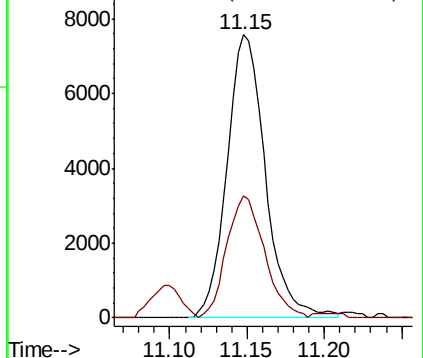


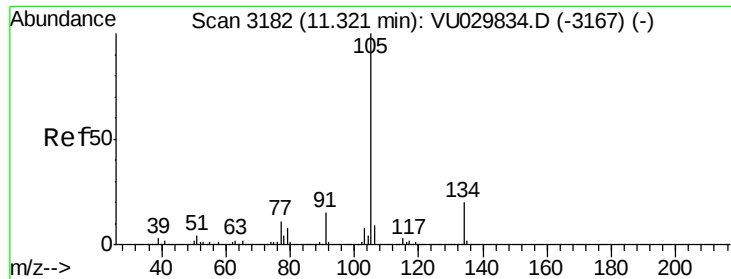
#78
 1,2,4-Trimethylbenzene
 Concen: 0.199 ug/l
 RT: 11.15 min Scan# 3128
 Delta R.T. 0.00 min
 Lab File: VU029877.D
 Acq: 08 Mar 2019 10:10

Tgt Ion:105 Resp: 13041
 Ion Ratio Lower Upper
 105 100
 120 42.5 23.5 70.5



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

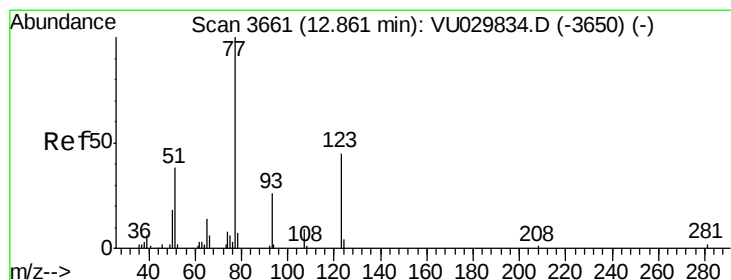
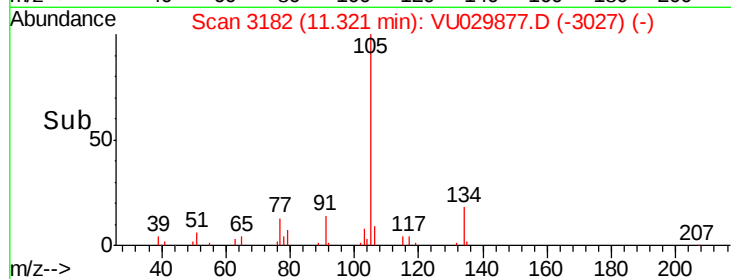
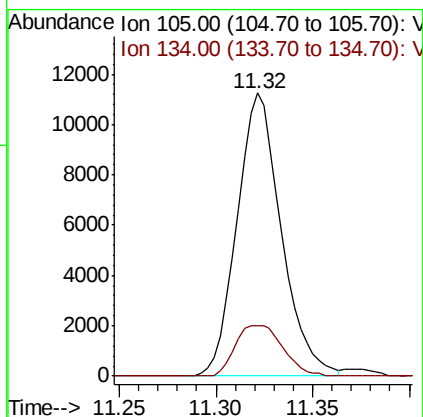
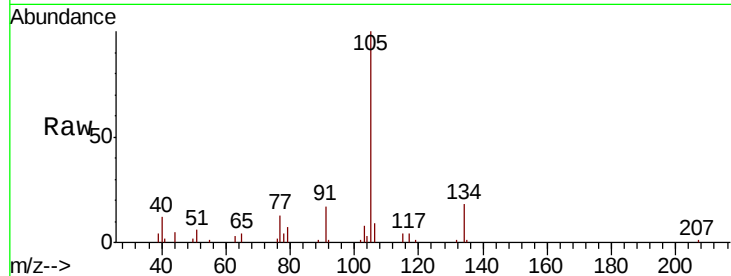




#79
 sec-Butylbenzene
 Concen: 0.211 ug/l
 RT: 11.32 min Scan# 3182
 Delta R.T. -0.00 min
 Lab File: VU029877.D
 Acq: 08 Mar 2019 10:10

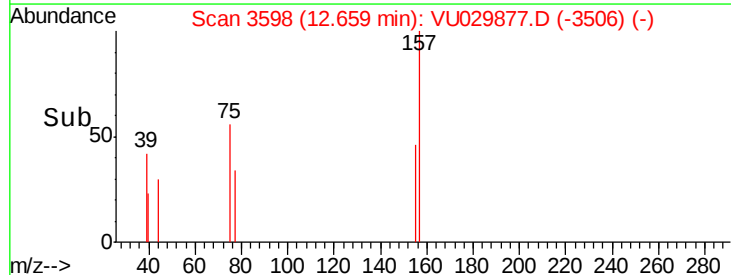
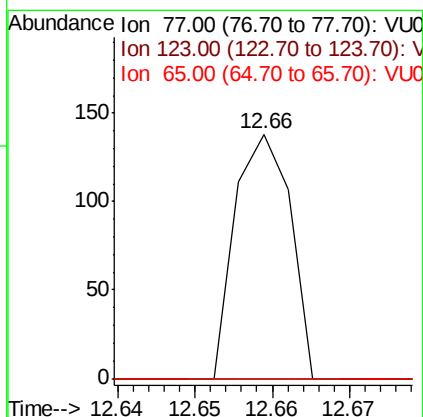
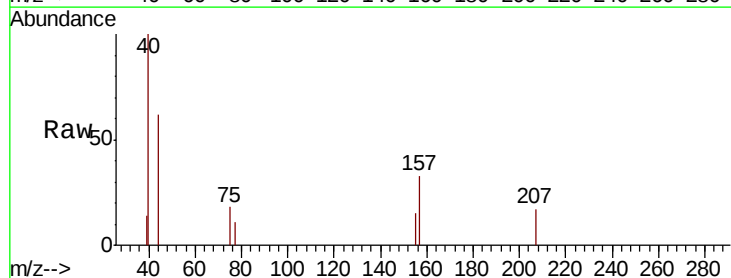
Instrument :
 MSVOA_U
 ClientSampled :
 MDL06

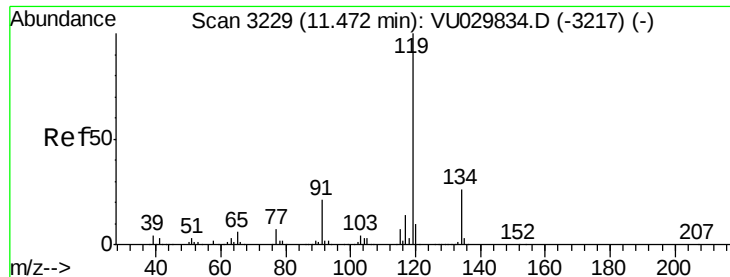
Tgt Ion: 105 Resp: 17903
 Ion Ratio Lower Upper
 105 100
 134 19.1 16.3 24.5



#80
 Nitrobenzene
 Concen: 0.243 ug/l
 RT: 12.66 min Scan# 3598
 Delta R.T. -0.20 min
 Lab File: VU029877.D
 Acq: 08 Mar 2019 10:10

Tgt Ion: 77 Resp: 69
 Ion Ratio Lower Upper
 77 100
 123 0.0 20.2 71.4#
 65 0.0 14.0 17.8#

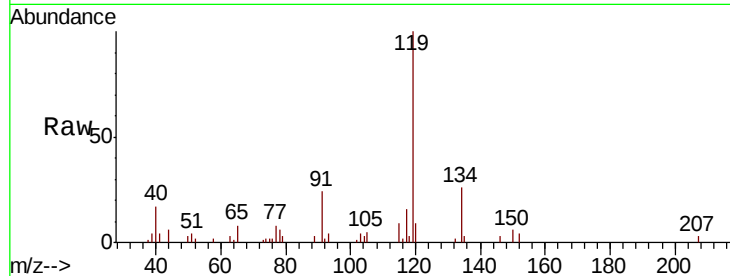




#81
p-Isopropyltoluene
Concen: 0.193 ug/l
RT: 11.48 min Scan# 3230
Delta R.T. 0.00 min
Lab File: VU029877.D
Acq: 08 Mar 2019 10:10

Instrument :
MSVOA_U
ClientSampleId :
MDL06

Tgt Ion	Ratio	Lower	Upper
119	100		
134	27.1	21.2	31.8
91	22.4	17.2	25.8

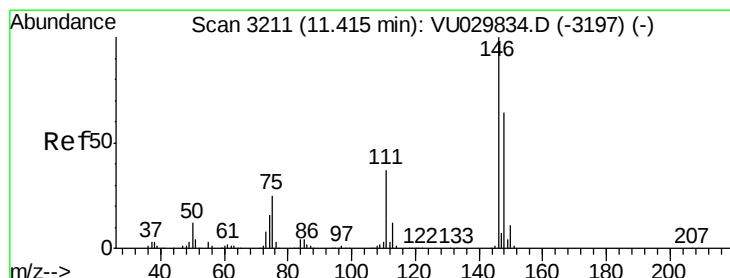
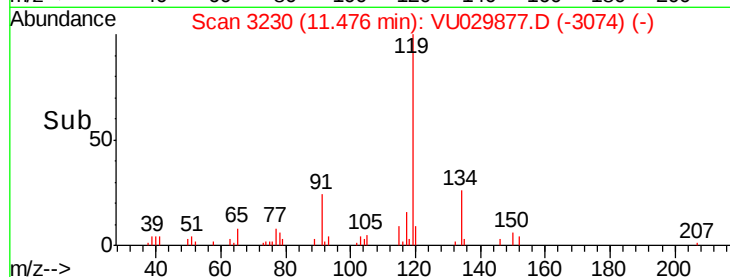
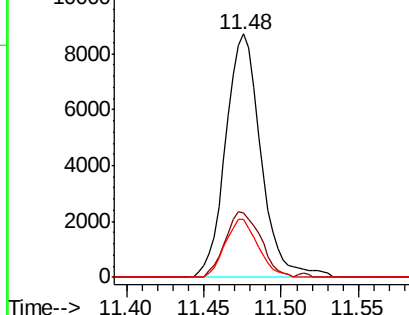


Abundance

Ion 119.00 (118.70 to 119.70): V

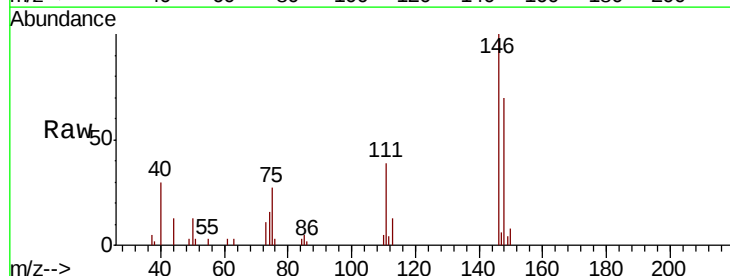
Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VU0



#82
1,3-Dichlorobenzene
Concen: 0.232 ug/l
RT: 11.42 min Scan# 3212
Delta R.T. 0.00 min
Lab File: VU029877.D
Acq: 08 Mar 2019 10:10

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.6	30.2	45.4
148	63.9	51.2	76.8

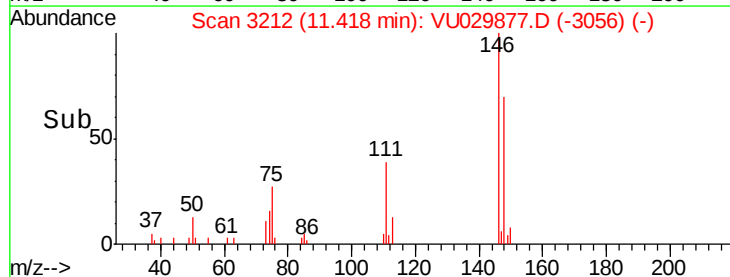
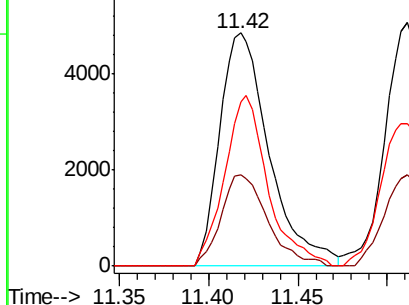


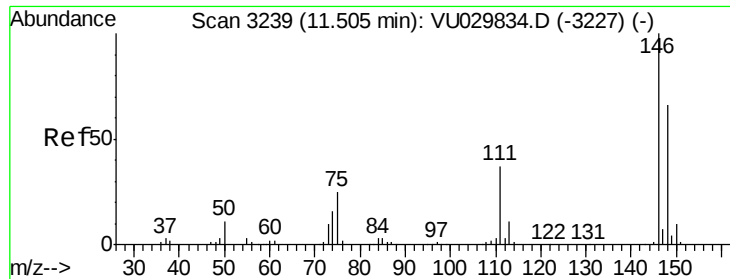
Abundance

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: 0.215 ug/l

RT: 11.51 min Scan# 3241

Delta R.T. 0.01 min

Lab File: VU029877.D

Acq: 08 Mar 2019 10:10

Instrument :

MSVOA_U

ClientSampleId :

MDL06

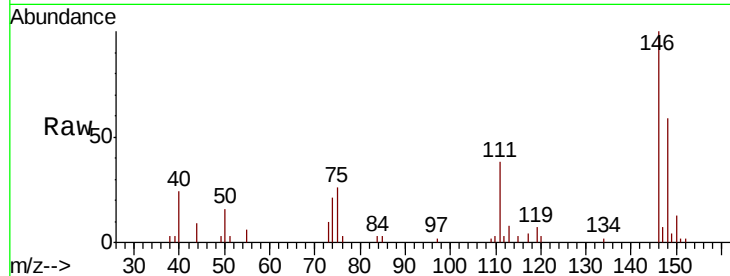
Tgt Ion:146 Resp: 8481

Ion Ratio Lower Upper

146 100

111 40.6 29.4 44.2

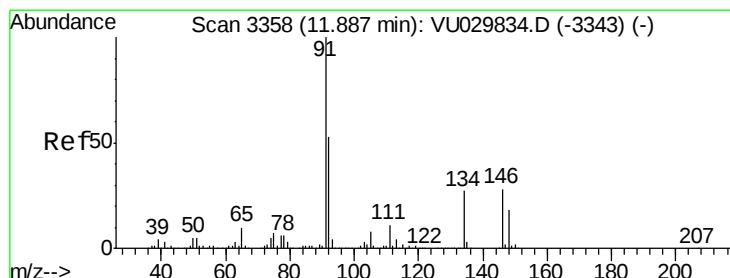
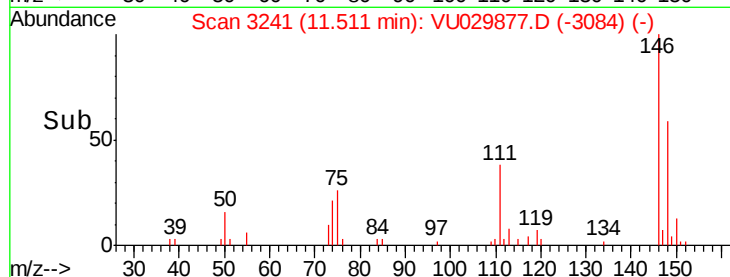
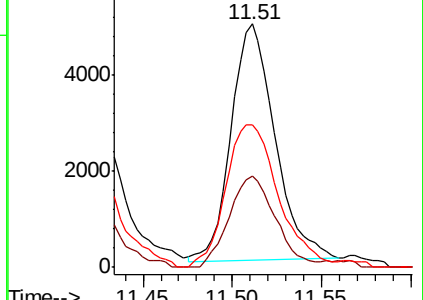
148 72.1 51.7 77.5



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



#84

n-Butylbenzene

Concen: 0.186 ug/l

RT: 11.89 min Scan# 3360

Delta R.T. 0.01 min

Lab File: VU029877.D

Acq: 08 Mar 2019 10:10

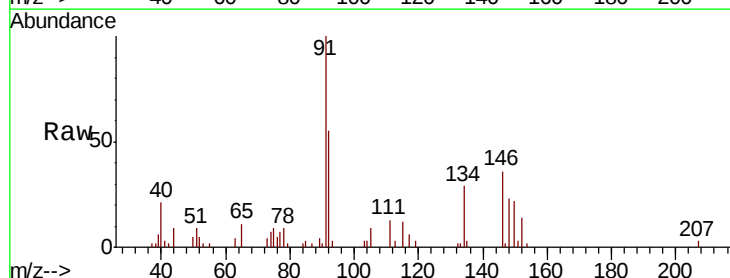
Tgt Ion: 91 Resp: 12083

Ion Ratio Lower Upper

91 100

92 51.8 42.6 63.8

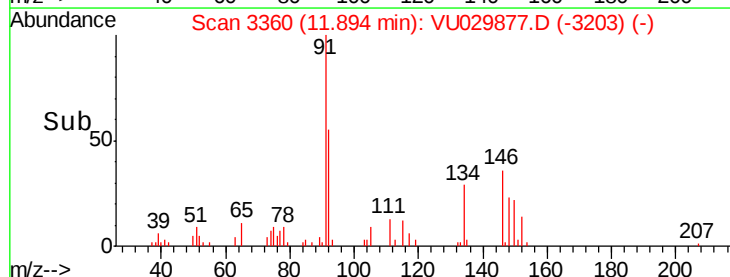
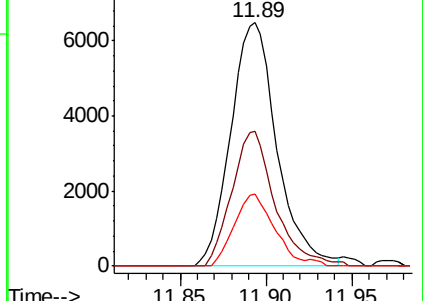
134 26.1 21.7 32.5

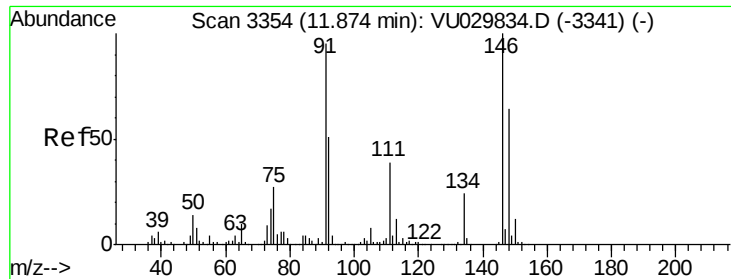


Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 92.00 (91.70 to 92.70): VU0

Ion 134.00 (133.70 to 134.70): V

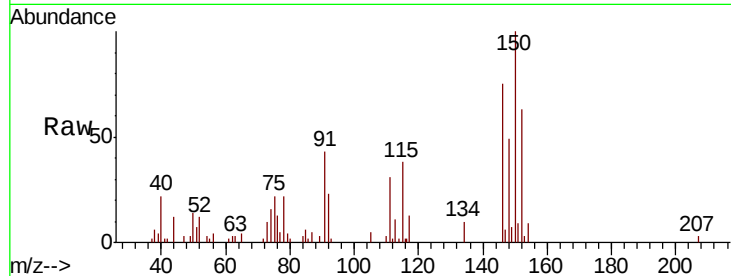




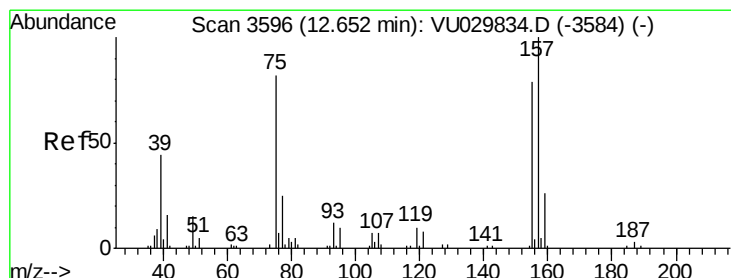
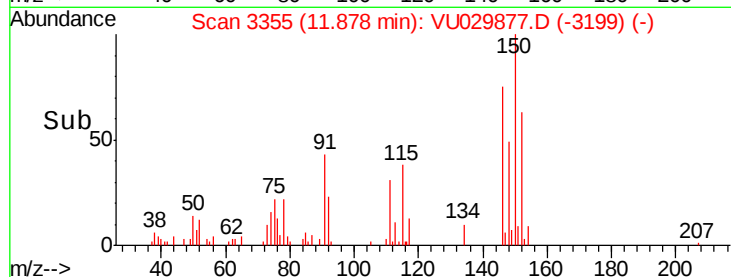
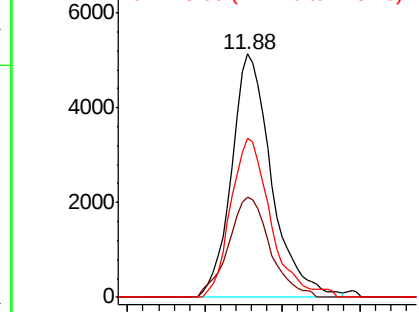
#85
 1,2-Dichlorobenzene
 Concen: 0.242 ug/l
 RT: 11.88 min Scan# 3355
 Delta R.T. 0.00 min
 Lab File: VU029877.D
 Acq: 08 Mar 2019 10:10

Instrument :
 MSVOA_U
 ClientSampleId :
 MDL06

Tgt Ion: 146 Resp: 9204
 Ion Ratio Lower Upper
 146 100
 111 42.7 19.9 59.6
 148 65.5 32.1 96.3

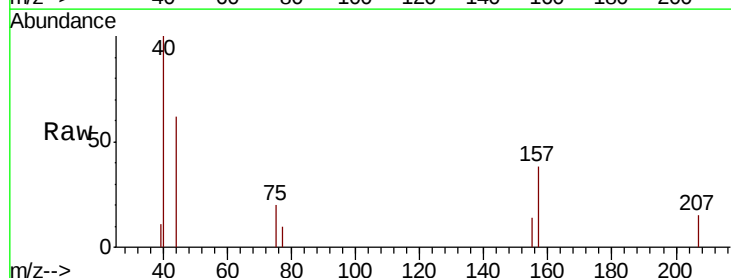


Abundance Ion 146.00 (145.70 to 146.70): V
 Ion 111.00 (110.70 to 111.70): V
 Ion 148.00 (147.70 to 148.70): V

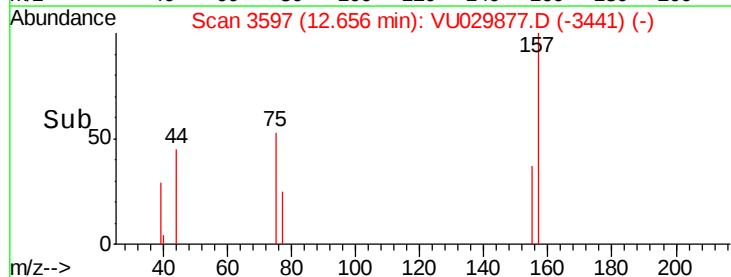
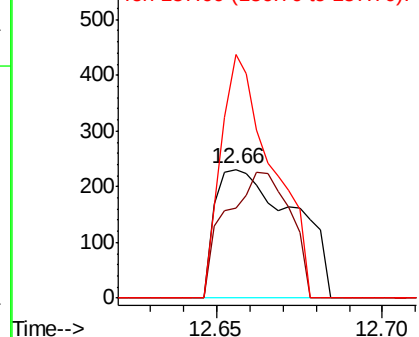


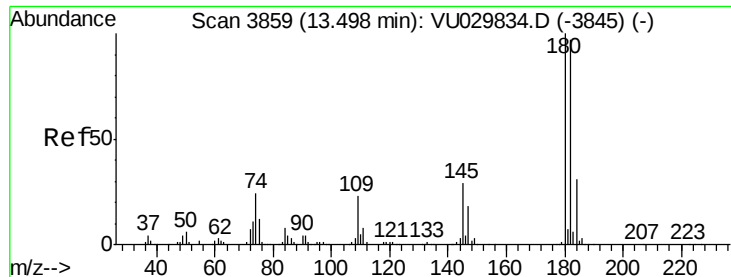
#86
 1,2-Dibromo-3-Chloropropane
 Concen: 0.170 ug/l
 RT: 12.66 min Scan# 3597
 Delta R.T. 0.00 min
 Lab File: VU029877.D
 Acq: 08 Mar 2019 10:10

Tgt Ion: 75 Resp: 380
 Ion Ratio Lower Upper
 75 100
 155 78.9 76.6 114.8
 157 124.2 96.2 144.2



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: 0.189 ug/l

RT: 13.51 min Scan# 3863

Delta R.T. 0.01 min

Lab File: VU029877.D

Acq: 08 Mar 2019 10:10

Instrument :

MSVOA_U

ClientSampleId :

MDL06

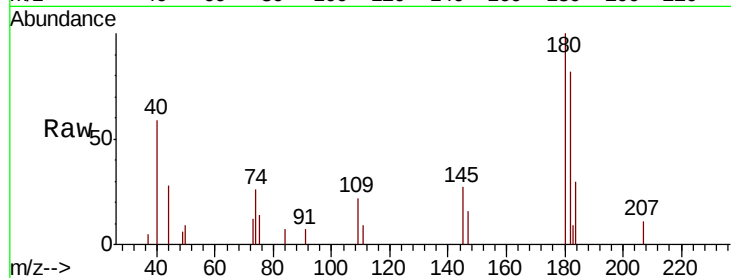
Tgt Ion:180 Resp: 4595

Ion Ratio Lower Upper

180 100

182 82.9 77.5 116.3

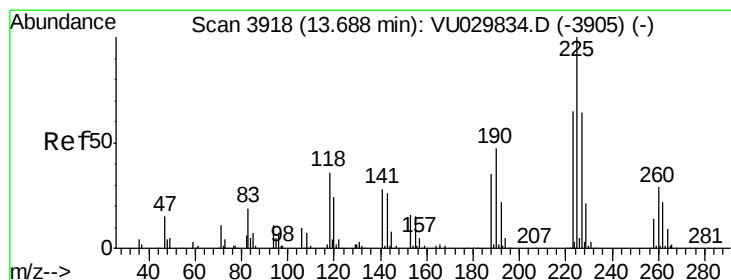
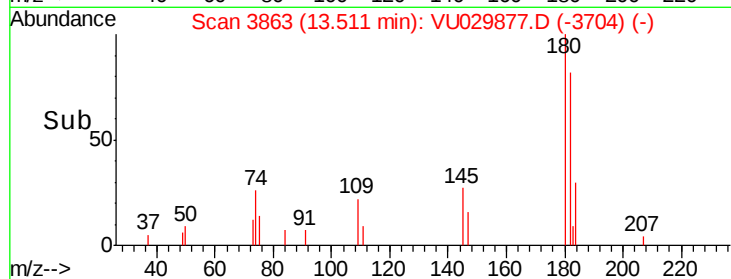
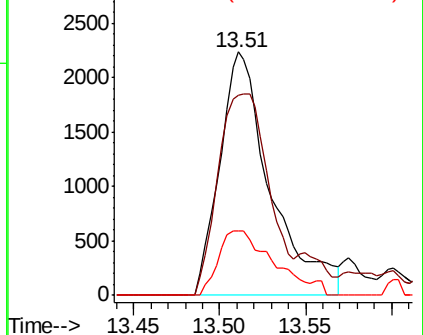
145 29.2 23.6 35.4



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: 0.238 ug/l

RT: 13.69 min Scan# 3920

Delta R.T. 0.01 min

Lab File: VU029877.D

Acq: 08 Mar 2019 10:10

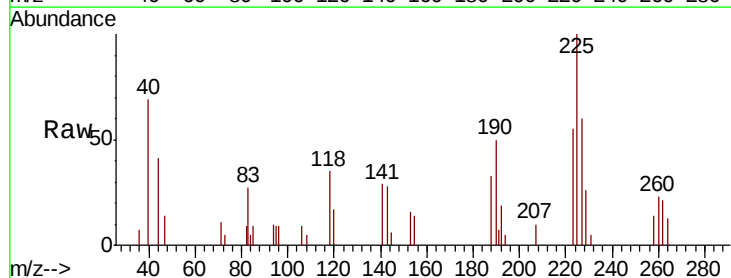
Tgt Ion:225 Resp: 3647

Ion Ratio Lower Upper

225 100

223 56.5 51.2 76.8

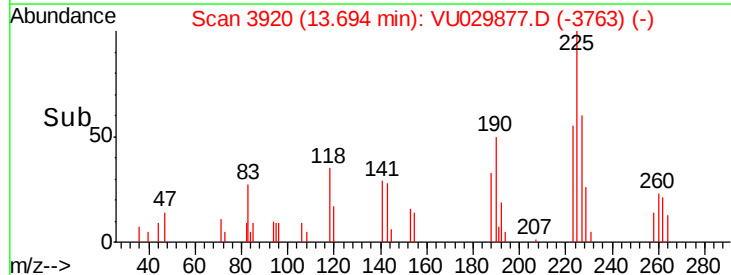
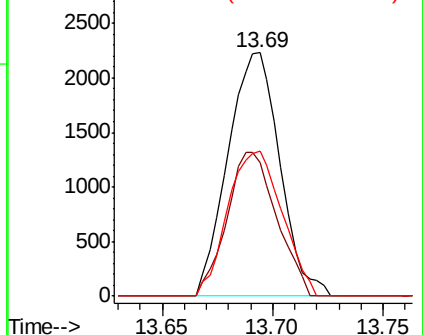
227 62.2 50.9 76.3

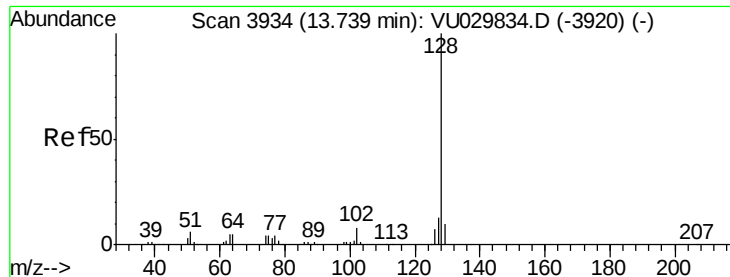


Abundance Ion 224.60 (224.30 to 225.30): V

Ion 222.60 (222.30 to 223.30): V

Ion 226.60 (226.30 to 227.30): V





#89

Naphthalene

Concen: 0.554 ug/l

RT: 13.75 min Scan# 3938

Delta R.T. 0.01 min

Lab File: VU029877.D

Acq: 08 Mar 2019 10:10

Instrument :

MSVOA_U

ClientSampleId :

MDL06

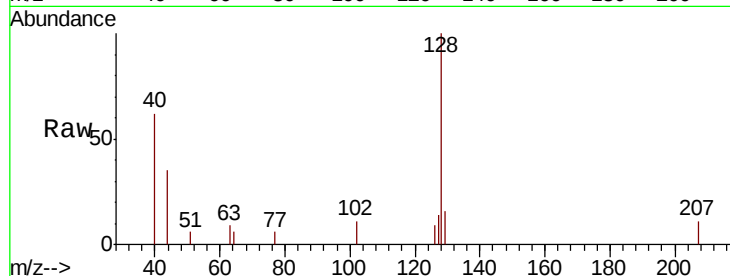
Tgt Ion:128 Resp: 4743

Ion Ratio Lower Upper

128 100

127 11.9 10.2 15.4

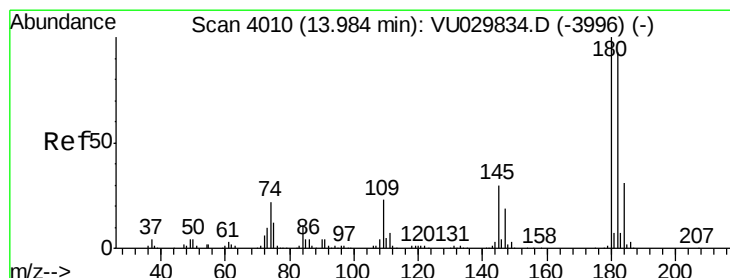
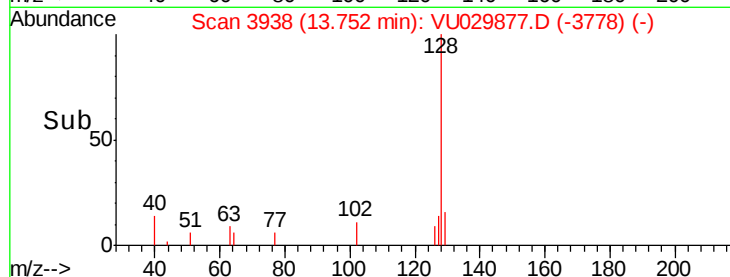
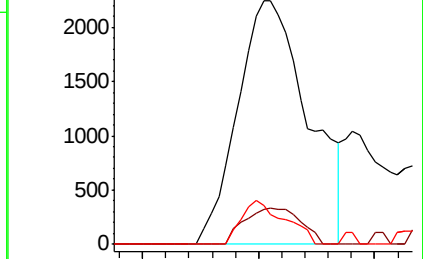
129 11.1 8.2 12.4



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: 0.191 ug/l

RT: 13.99 min Scan# 4013

Delta R.T. 0.01 min

Lab File: VU029877.D

Acq: 08 Mar 2019 10:10

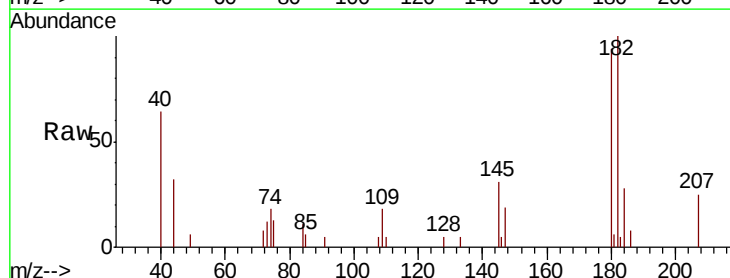
Tgt Ion:180 Resp: 4372

Ion Ratio Lower Upper

180 100

182 105.5 74.8 112.2

145 25.3 24.6 36.8



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

