

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU010919\
 Data File : VU029080.D
 Acq On : 09 Jan 2019 09:07
 Operator : MD/SY
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Jan 10 04:01:48 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U010319W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jan 04 02:22:53 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.98	168	131122	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.88	114	206103	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	194738	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	100288	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.31	65	83842	51.72	ug/l	0.00
Spiked Amount						
			Recovery	=	103.44%	
35) Dibromofluoromethane	4.88	113	69718	52.18	ug/l	0.00
Spiked Amount						
			Recovery	=	104.36%	
50) Toluene-d8	7.56	98	277978	52.70	ug/l	0.00
Spiked Amount						
			Recovery	=	105.40%	
62) 4-Bromofluorobenzene	10.30	95	97250	51.30	ug/l	0.00
Spiked Amount						
			Recovery	=	102.60%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.21	85	62855	48.337	ug/l	99
3) Chloromethane	1.33	50	96554	46.472	ug/l	100
4) Vinyl Chloride	1.40	62	92459	48.249	ug/l	99
5) Bromomethane	1.61	94	47529	48.129	ug/l	99
6) Chloroethane	1.69	64	53639	46.993	ug/l	97
7) Trichlorofluoromethane	1.88	101	98156	47.007	ug/l	99
8) Diethyl Ether	2.10	74	47513	47.363	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	2.28	101	68829	49.264	ug/l	99
10) Methyl Iodide	2.41	142	66747	50.808	ug/l	98
11) Tert butyl alcohol	2.83	59	87852	213.225	ug/l	99
12) 1,1-Dichloroethene	2.28	96	66287	48.743	ug/l	99
13) Acrolein	2.19	56	68614	221.780	ug/l	99
14) Allyl chloride	2.59	41	114818	46.015	ug/l	95
15) Acrylonitrile	2.93	53	260565	257.777	ug/l	100
16) Acetone	2.32	43	277888	272.141	ug/l	99
17) Carbon Disulfide	2.47	76	208892	46.346	ug/l	99
18) Methyl Acetate	2.61	43	123397	51.972	ug/l	100
19) Methyl tert-butyl Ether	3.00	73	234738	49.097	ug/l	99
20) Methylene Chloride	2.70	84	82825	47.774	ug/l	99
21) trans-1,2-Dichloroethene	2.98	96	74220	46.975	ug/l	97
22) Diisopropyl ether	3.57	45	249783	50.651	ug/l	100
23) Vinyl Acetate	3.52	43	1046295	259.528	ug/l	99
24) 1,1-Dichloroethane	3.44	63	144014	50.588	ug/l	99
25) 2-Butanone	4.26	43	371207	269.152	ug/l	100
26) 2,2-Dichloropropane	4.22	77	115906	50.387	ug/l	100
27) cis-1,2-Dichloroethene	4.22	96	85005	49.191	ug/l	99
28) Bromochloromethane	4.54	49	61963	50.831	ug/l	97
29) Tetrahydrofuran	4.63	42	215329	257.420	ug/l	98
30) Chloroform	4.67	83	136375	50.294	ug/l	98
31) Cyclohexane	4.99	56	133433	49.644	ug/l	98
32) 1,1,1-Trichloroethane	4.91	97	111045	49.563	ug/l	99
36) 1,1-Dichloropropene	5.13	75	103518	50.249	ug/l	99
37) Ethyl Acetate	4.38	43	121108	53.557	ug/l	99
38) Carbon Tetrachloride	5.13	117	89904	52.324	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.41	83	133146	52.572	ug/l	100
40) Benzene	5.39	78	329009	51.200	ug/l	98
41) Methacrylonitrile	4.54	41	67051	55.394	ug/l	97
42) 1,2-Dichloroethane	5.40	62	102608	53.139	ug/l	100
43) Isopropyl Acetate	5.54	43	188011	54.201	ug/l	99
44) Trichloroethene	6.18	130	79591	49.989	ug/l	96
45) 1,2-Dichloropropane	6.43	63	90218	53.164	ug/l	100
46) Dibromomethane	6.56	93	56128	51.740	ug/l	99
47) Bromodichloromethane	6.75	83	105179	52.660	ug/l	99
48) Methyl methacrylate	6.62	41	95187	56.355	ug/l	98
49) 1,4-Dioxane	6.61	88	39105	976.946	ug/l	96
51) 4-Methyl-2-Pentanone	7.46	43	640656	271.382	ug/l	99
52) Toluene	7.63	92	200656	51.293	ug/l	100
53) t-1,3-Dichloropropene	7.88	75	122927	51.234	ug/l	100
54) cis-1,3-Dichloropropene	7.27	75	134302	51.802	ug/l	98
55) 1,1,2-Trichloroethane	8.06	97	83208	53.094	ug/l	98
56) Ethyl methacrylate	8.02	69	125758	52.086	ug/l	97
57) 1,3-Dichloropropane	8.24	76	139693	52.092	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.12	63	280356	264.033	ug/l	99
59) 2-Hexanone	8.36	43	507899	274.084	ug/l	99
60) Dibromochloromethane	8.47	129	81529	52.510	ug/l	99
61) 1,2-Dibromoethane	8.58	107	87594	51.535	ug/l	100
64) Tetrachloroethene	8.22	164	73583	52.454	ug/l	98
65) Chlorobenzene	9.12	112	215031	49.261	ug/l	99
66) 1,1,1,2-Tetrachloroethane	9.21	131	74049	52.273	ug/l	99
67) Ethyl Benzene	9.25	91	376711	51.690	ug/l	100
68) m/p-Xylenes	9.37	106	295882	104.490	ug/l	98
69) o-Xylene	9.78	106	139959	51.297	ug/l	99
70) Styrene	9.79	104	234377	52.400	ug/l	100
71) Bromoform	9.95	173	66060	52.373	ug/l #	99
73) Isopropylbenzene	10.16	105	371246	50.012	ug/l	100
74) N-amyl acetate	10.01	43	163907	51.242	ug/l	98
75) 1,1,2,2-Tetrachloroethane	10.46	83	142627	47.941	ug/l	99
76) 1,2,3-Trichloropropane	10.49	75	168166	68.438	ug/l	81
77) Bromobenzene	10.45	156	94166	48.679	ug/l	99
78) n-propylbenzene	10.58	91	455908	52.116	ug/l	99
79) 2-Chlorotoluene	10.66	91	263519	49.659	ug/l	100
80) 1,3,5-Trimethylbenzene	10.77	105	315328	50.869	ug/l	99
81) trans-1,4-Dichloro-2-buten	10.49	75	168166	176.504	ug/l #	100
82) 4-Chlorotoluene	10.77	91	306197	50.321	ug/l	99
83) tert-Butylbenzene	11.10	119	301481	49.344	ug/l	99
84) 1,2,4-Trimethylbenzene	11.15	105	320533	51.792	ug/l	99
85) sec-Butylbenzene	11.32	105	388139	52.528	ug/l	100
86) p-Isopropyltoluene	11.48	119	331024	52.573	ug/l	99
87) 1,3-Dichlorobenzene	11.41	146	172886	48.725	ug/l	99
88) 1,4-Dichlorobenzene	11.51	146	173245	47.302	ug/l	100
89) n-Butylbenzene	11.89	91	319770	56.901	ug/l	99
90) Hexachloroethane	12.14	117	51692	48.801	ug/l	99
91) 1,2-Dichlorobenzene	11.88	146	172116	48.160	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.66	75	30278	52.914	ug/l	96

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Quant Title : SW846 8260
QLast Update : Fri Jan 04 02:22:53 2019
Response via : Initial Calibration

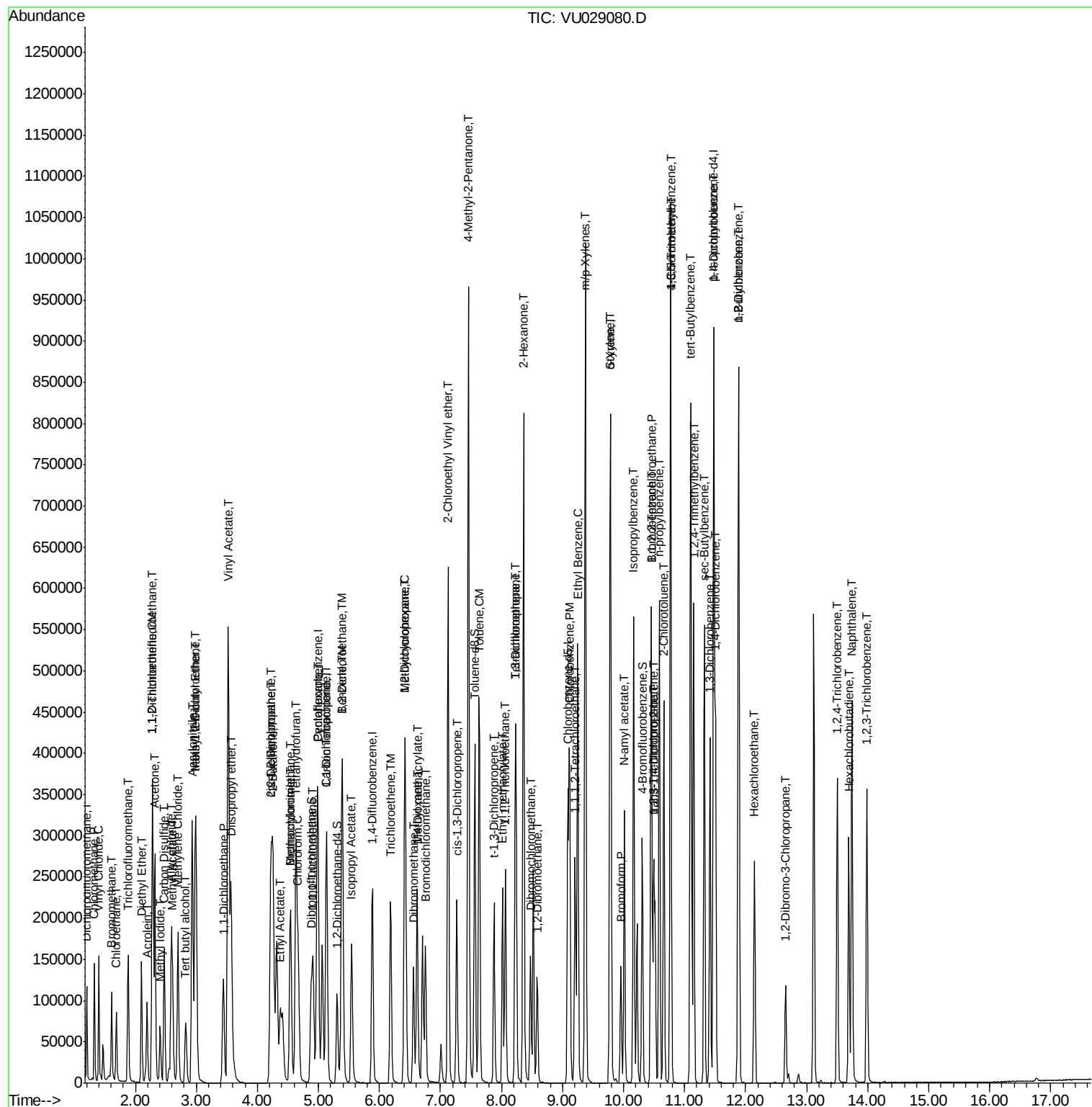
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.50	180	116769	51.184	ug/l	97
94) Hexachlorobutadiene	13.69	225	57676	55.272	ug/l	99
95) Naphthalene	13.74	128	379019	48.838	ug/l	100
96) 1,2,3-Trichlorobenzene	13.99	180	121139	51.555	ug/l	98

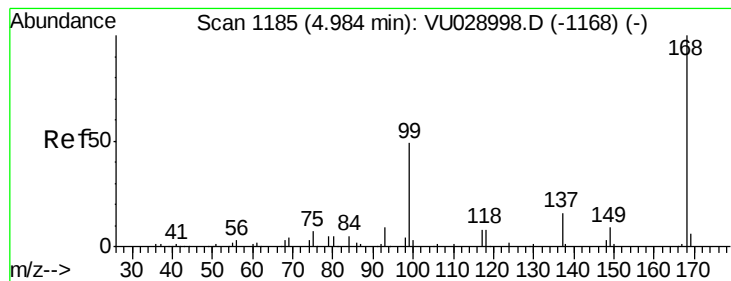
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.98 min Scan# 1184

Delta R.T. 0.00 min

Lab File: VU029080.D

Acq: 09 Jan 2019 09:07

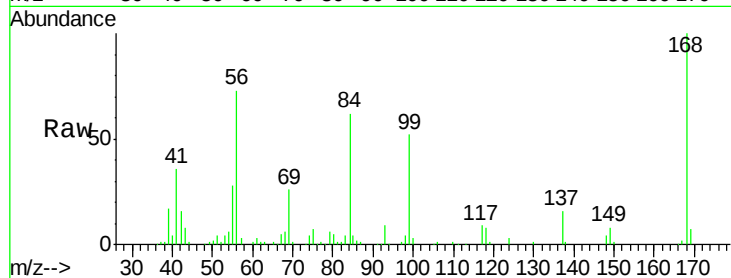
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion:168 Resp: 131122

Ion Ratio Lower Upper

168 100

99 52.1 42.0 63.0



Abundance Ion 167.90 (167.60 to 168.60): VU028998.D (-1168) (-)

Ion 98.90 (98.60 to 99.60): VU028998.D (-1168) (-)

4.98

60000

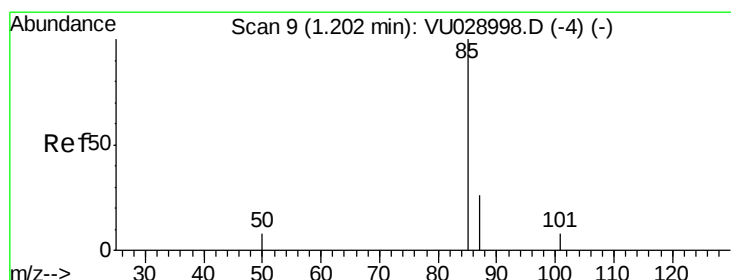
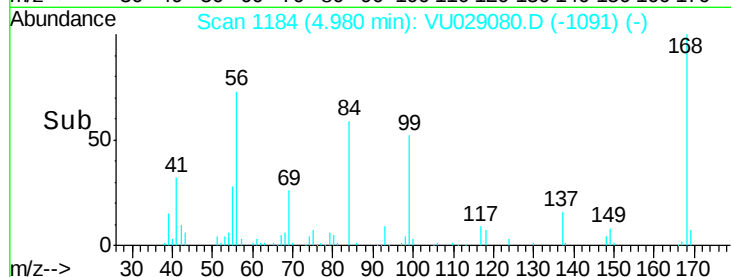
40000

20000

0

4.90 5.00 5.10

Time-->



#2

Dichlorodifluoromethane

Concen: 48.337 ug/l

RT: 1.21 min Scan# 10

Delta R.T. 0.00 min

Lab File: VU029080.D

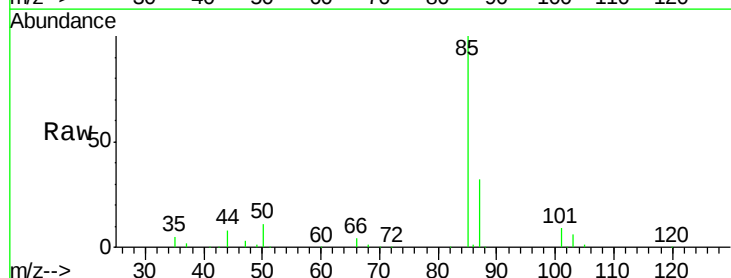
Acq: 09 Jan 2019 09:07

Tgt Ion: 85 Resp: 62855

Ion Ratio Lower Upper

85 100

87 32.2 16.3 48.8



Abundance Ion 84.90 (84.60 to 85.60): VU028998.D (-4) (-)

Ion 86.90 (86.60 to 87.60): VU028998.D (-4) (-)

1.21

60000

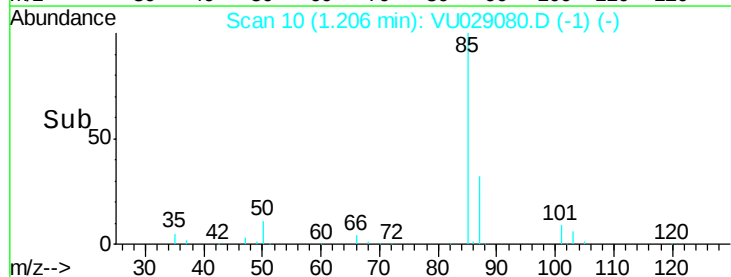
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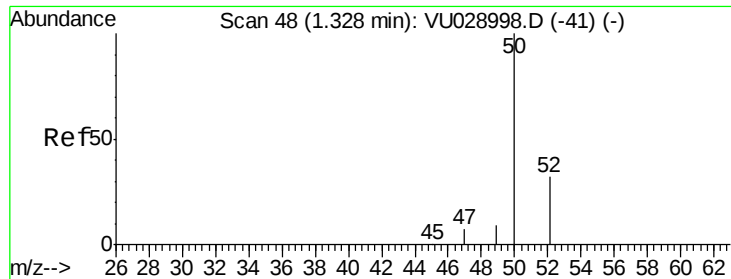
20000

0

1.15 1.20 1.25

Time-->

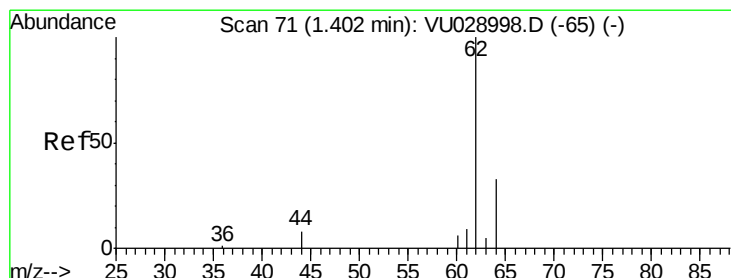
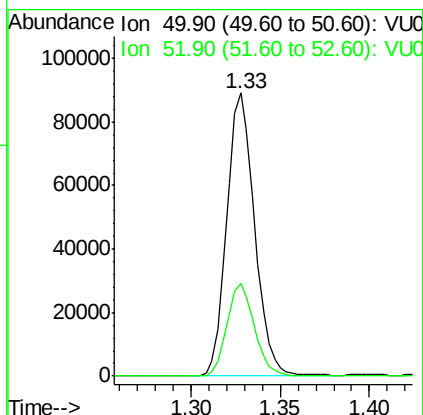
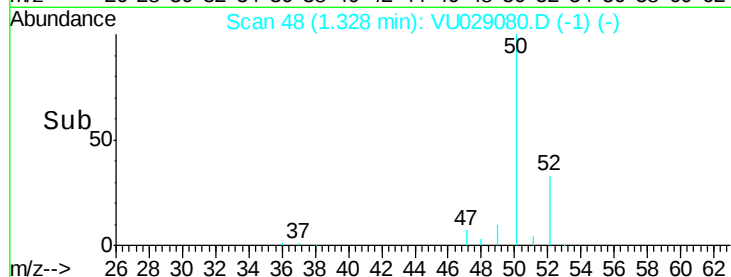
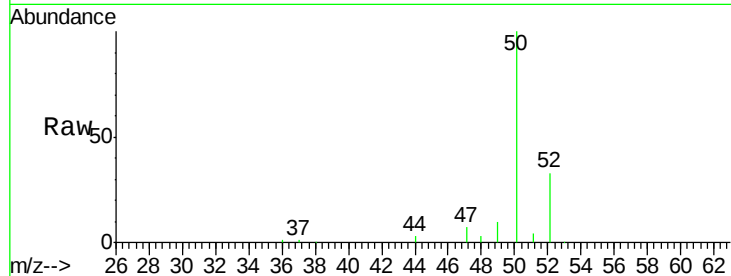




#3
Chloromethane
Concen: 46.472 ug/l
RT: 1.33 min Scan# 48
Delta R.T. 0.00 min
Lab File: VU029080.D
Acq: 09 Jan 2019 09:07

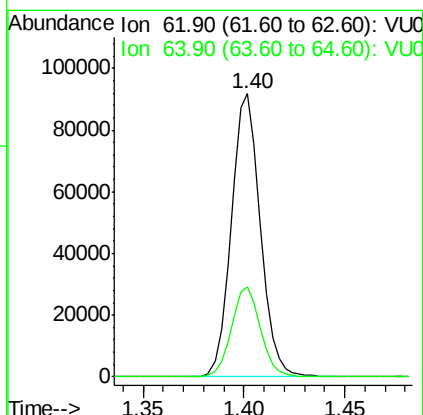
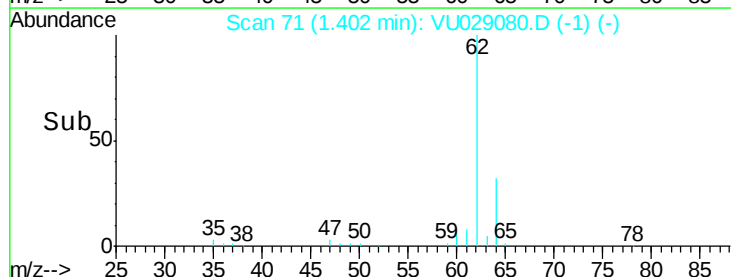
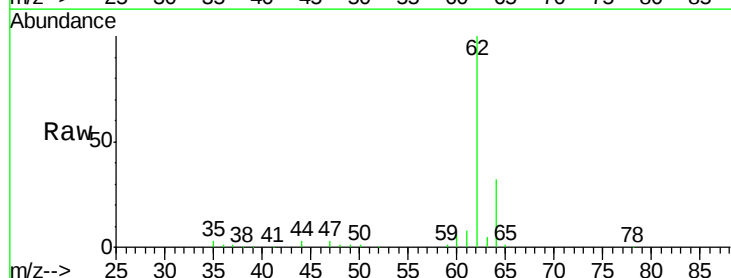
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 50 Resp: 96554
Ion Ratio Lower Upper
50 100
52 32.5 26.1 39.1



#4
Vinyl Chloride
Concen: 48.249 ug/l
RT: 1.40 min Scan# 71
Delta R.T. 0.00 min
Lab File: VU029080.D
Acq: 09 Jan 2019 09:07

Tgt Ion: 62 Resp: 92459
Ion Ratio Lower Upper
62 100
64 31.9 25.9 38.9

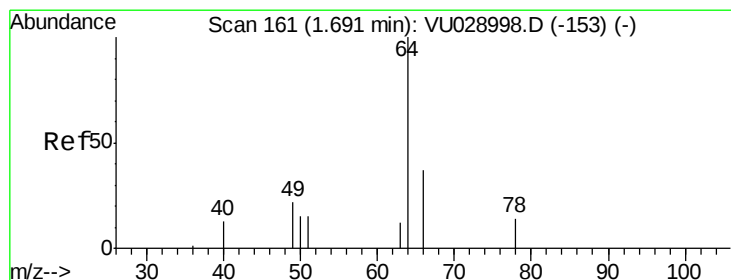
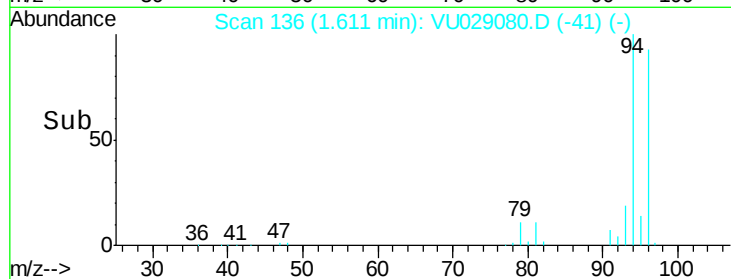
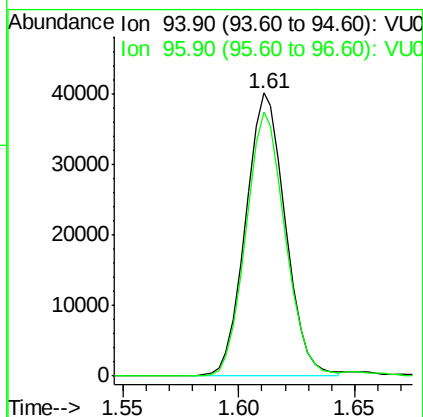
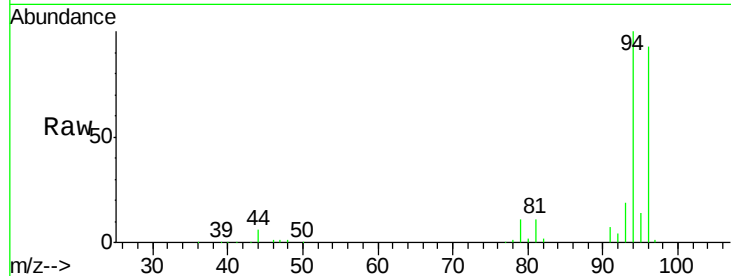




#5
Bromomethane
Concen: 48.129 ug/l
RT: 1.61 min Scan# 136
Delta R.T. 0.01 min
Lab File: VU029080.D
Acq: 09 Jan 2019 09:07

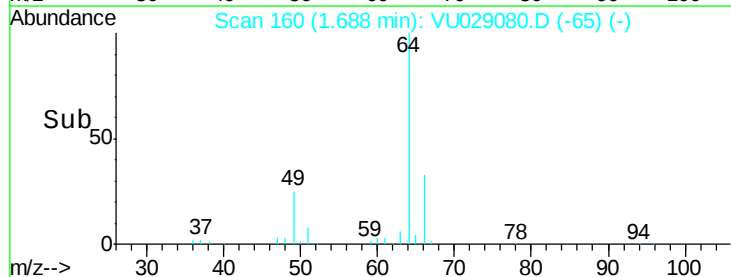
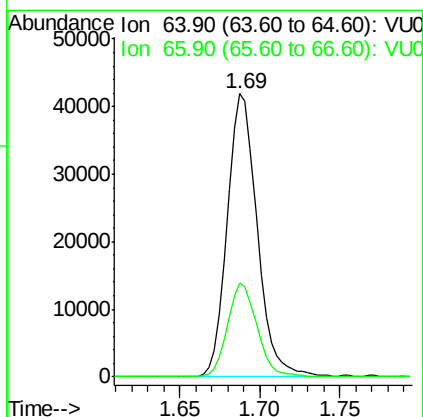
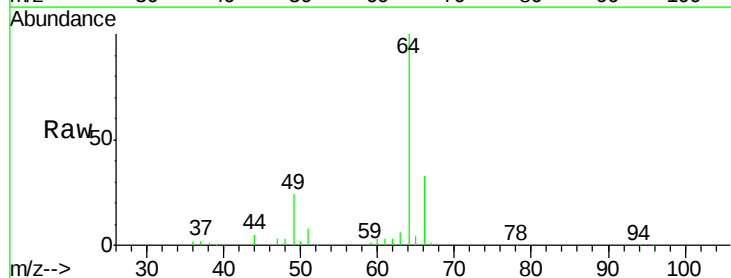
Instrument :
MSVOA_U
ClientSampleId :

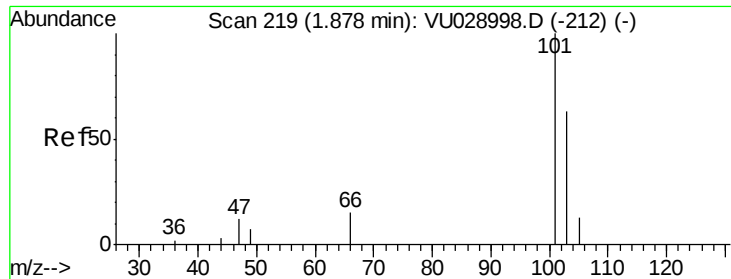
Tot Ion: 94 Resp: 47529
Ion Ratio Lower Upper
94 100
96 93.7 75.5 113.3



#6
Chloroethane
Concen: 46.993 ug/l
RT: 1.69 min Scan# 160
Delta R.T. 0.01 min
Lab File: VU029080.D
Acq: 09 Jan 2019 09:07

Tgt Ion: 64 Resp: 53639
Ion Ratio Lower Upper
64 100
66 33.0 25.2 37.8



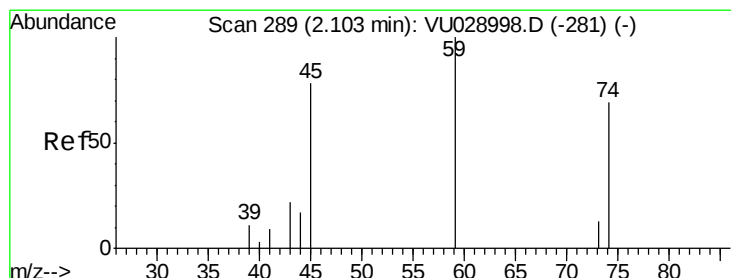
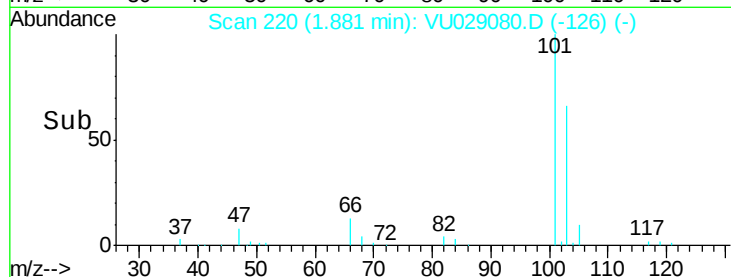
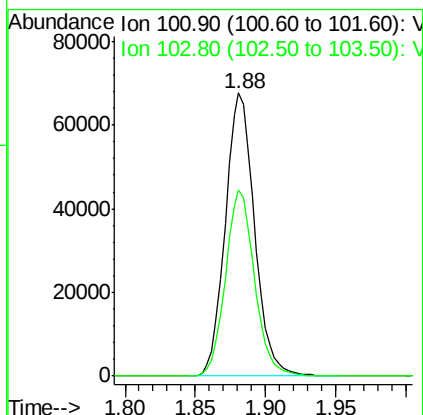
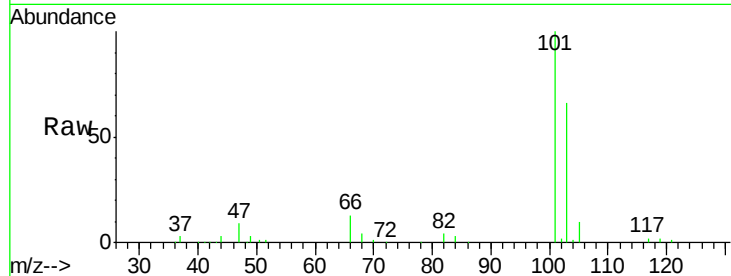


#7

Trichlorofluoromethane
 Concen: 47.007 ug/l
 RT: 1.88 min Scan# 220
 Delta R.T. 0.00 min
 Lab File: VU029080.D
 Acq: 09 Jan 2019 09:07

Instrument :
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 ClientSampleId :

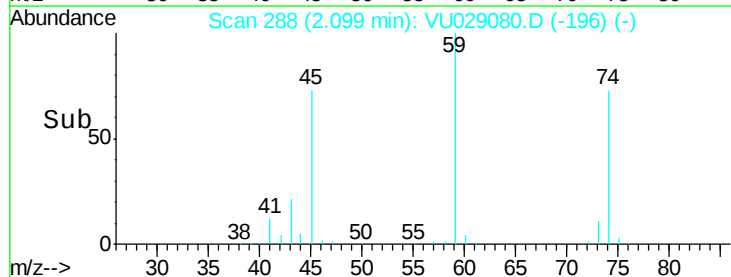
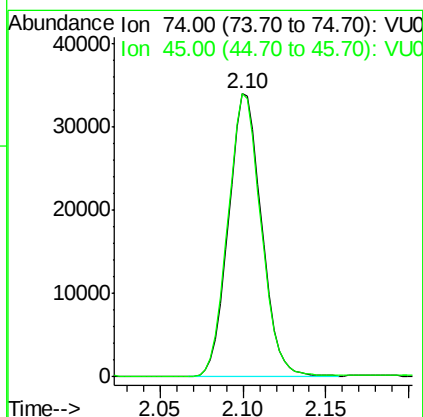
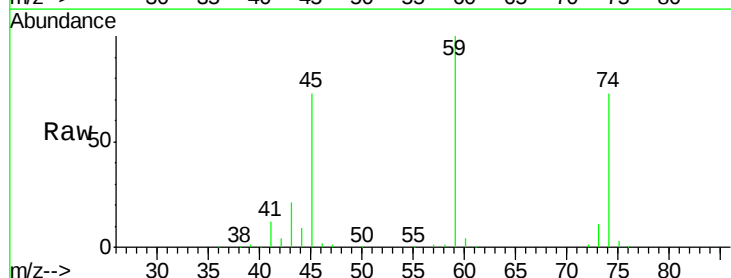
Tot Ion:101 Resp: 98156
 Ion Ratio Lower Upper
 101 100
 103 65.5 51.5 77.3

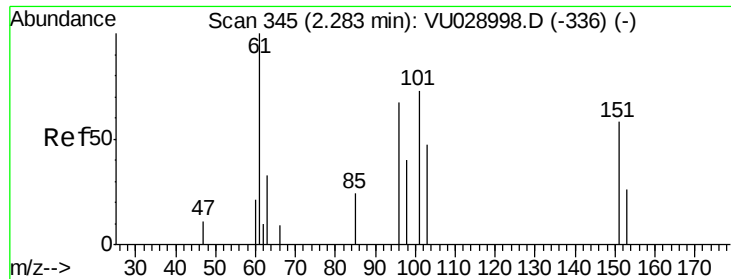


#8

Diethyl Ether
 Concen: 47.363 ug/l
 RT: 2.10 min Scan# 288
 Delta R.T. -0.00 min
 Lab File: VU029080.D
 Acq: 09 Jan 2019 09:07

Tgt Ion: 74 Resp: 47513
 Ion Ratio Lower Upper
 74 100
 45 99.9 46.9 140.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 49.264 ug/l

RT: 2.28 min Scan# 345

Delta R.T. 0.00 min

Lab File: VU029080.D

Acq: 09 Jan 2019 09:07

Instrument :

MSVOA_U

ClientSampled :

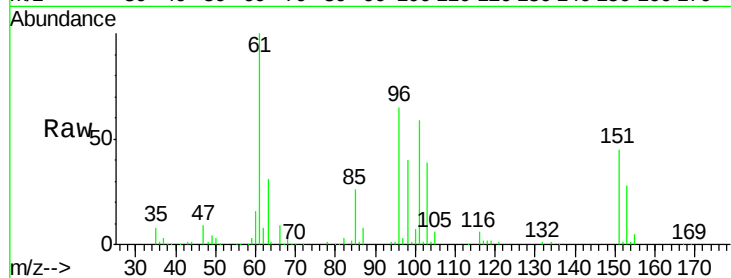
Tot Ion:101 Resp: 68829

Ion Ratio Lower Upper

101 100

85 42.9 35.1 52.7

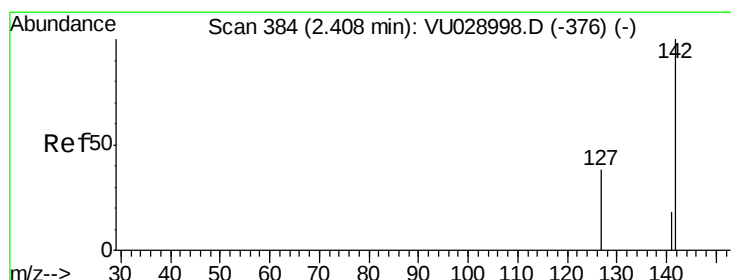
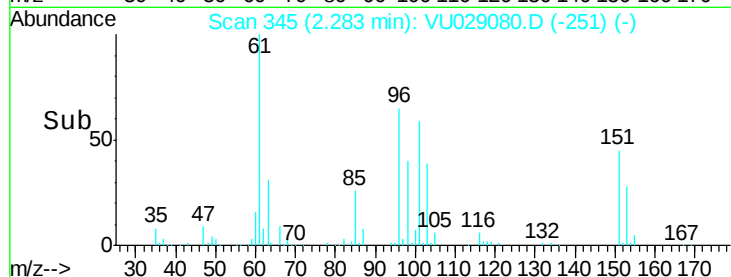
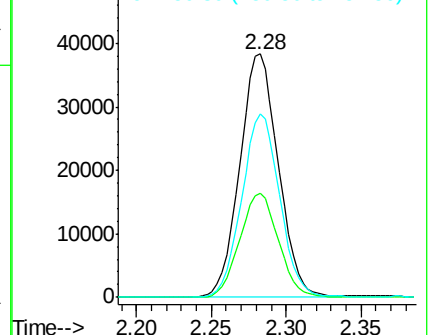
151 74.3 60.2 90.2



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VU0

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 50.808 ug/l

RT: 2.41 min Scan# 384

Delta R.T. 0.00 min

Lab File: VU029080.D

Acq: 09 Jan 2019 09:07

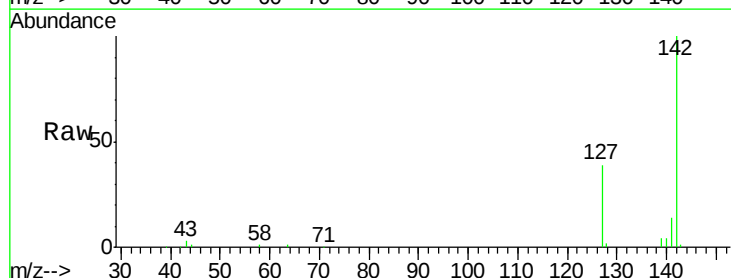
Tgt Ion:142 Resp: 66747

Ion Ratio Lower Upper

142 100

127 38.8 29.8 44.6

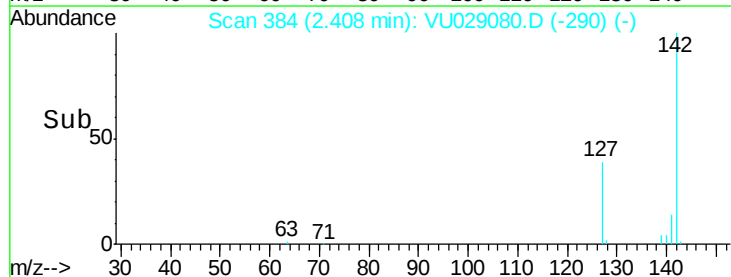
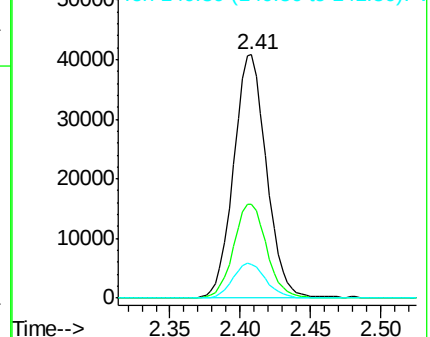
141 14.3 11.5 17.3

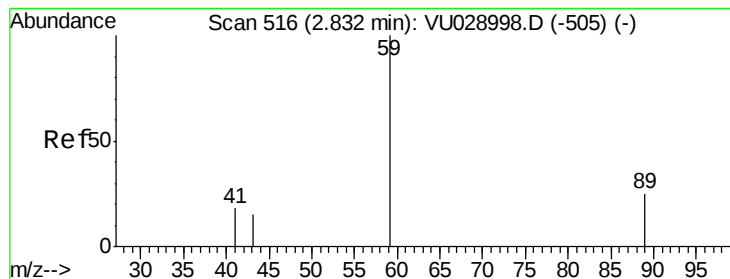


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



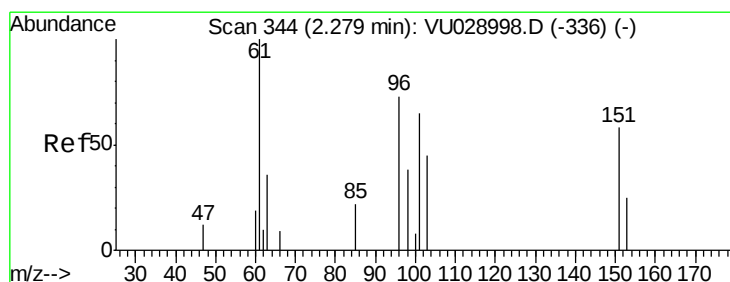
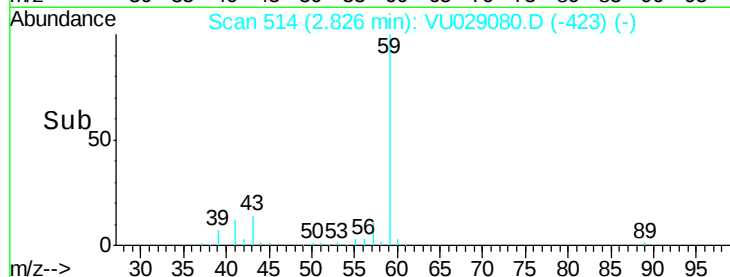
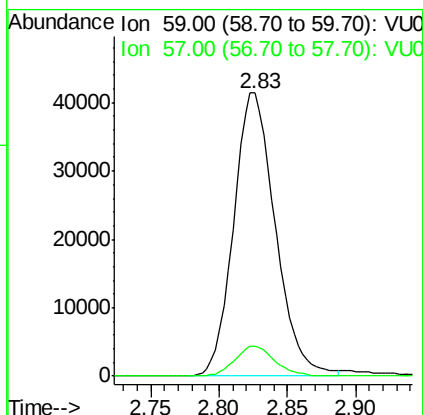
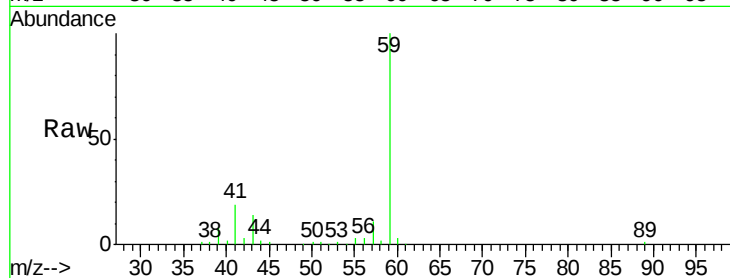


#11

Tert butyl alcohol
Concen: 213.225 ug/l
RT: 2.83 min Scan# 514
Delta R.T. -0.01 min
Lab File: VU029080.D
Acq: 09 Jan 2019 09:07

Instrument :
MSVOA_U
ClientSampleId :

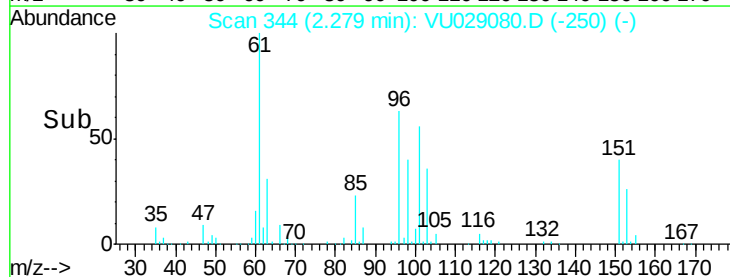
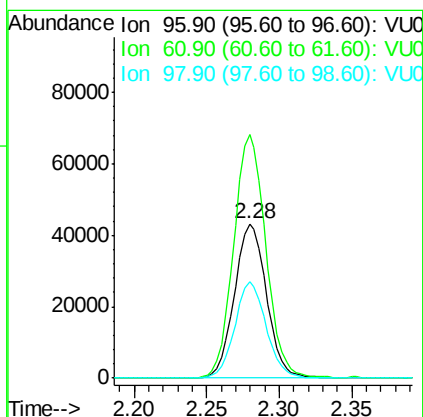
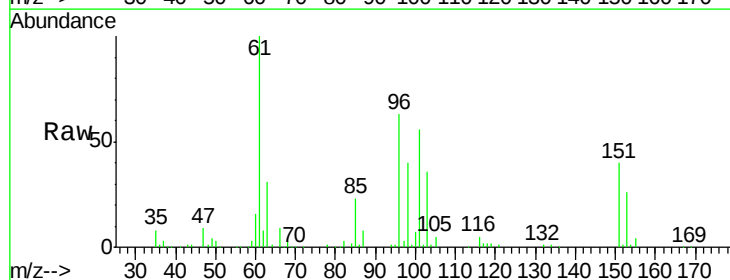
Tot Ion: 59 Resp: 87852
Ion Ratio Lower Upper
59 100
57 10.2 7.9 11.9

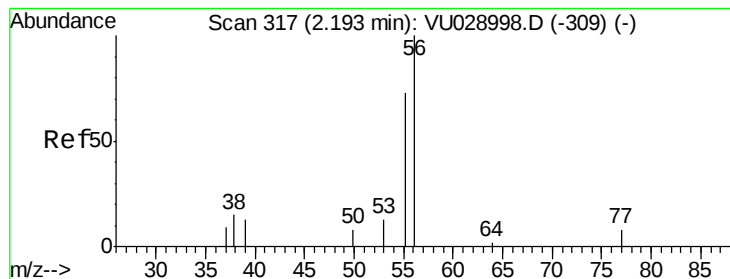


#12

1,1-Dichloroethene
Concen: 48.743 ug/l
RT: 2.28 min Scan# 344
Delta R.T. 0.00 min
Lab File: VU029080.D
Acq: 09 Jan 2019 09:07

Tgt Ion: 96 Resp: 66287
Ion Ratio Lower Upper
96 100
61 158.1 125.4 188.0
98 62.6 49.7 74.5





#13

Acrolein

Concen: 221.780 ug/l

RT: 2.19 min Scan# 317

Delta R.T. 0.00 min

Lab File: VU029080.D

Acq: 09 Jan 2019 09:07

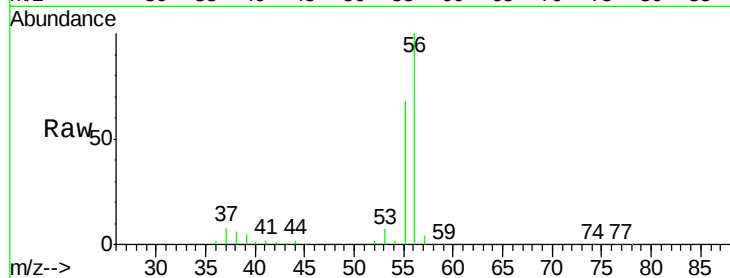
Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 56 Resp: 68614

Ion Ratio Lower Upper

56 100

55 69.6 56.5 84.7



Abundance Ion 56.00 (55.70 to 56.70): VU029080.D (-224) (-)

Ion 55.00 (54.70 to 55.70): VU029080.D (-224) (-)

2.19

50000

40000

30000

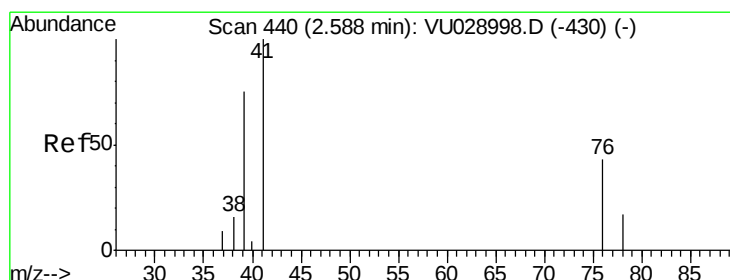
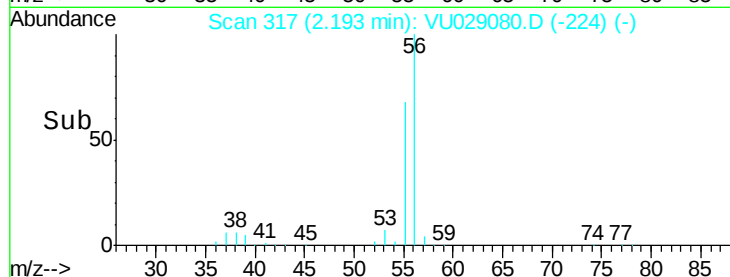
20000

10000

0

Time-->

2.15 2.20 2.25



#14

Allyl chloride

Concen: 46.015 ug/l

RT: 2.59 min Scan# 440

Delta R.T. 0.00 min

Lab File: VU029080.D

Acq: 09 Jan 2019 09:07

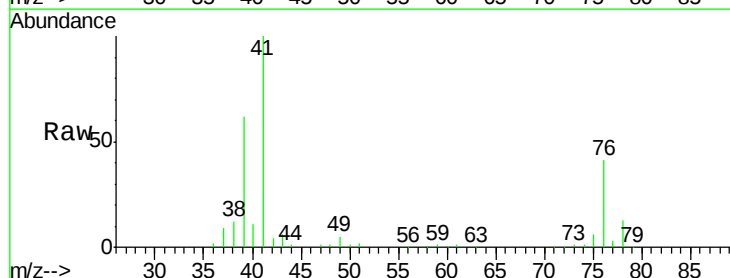
Tgt Ion: 41 Resp: 114818

Ion Ratio Lower Upper

41 100

39 59.6 45.0 67.6

76 38.8 28.1 42.1



Abundance Ion 41.00 (40.70 to 41.70): VU029080.D (-347) (-)

Ion 39.00 (38.70 to 39.70): VU029080.D (-347) (-)

Ion 75.90 (75.60 to 76.60): VU029080.D (-347) (-)

2.59

80000

60000

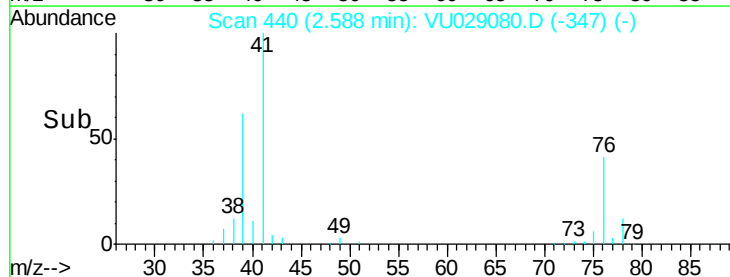
40000

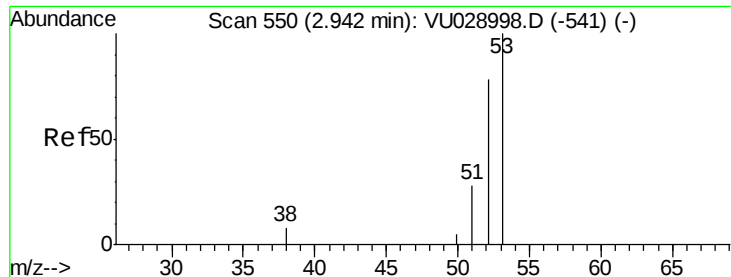
20000

0

Time-->

2.55 2.60 2.65





#15

Acrylonitrile

Concen: 257.777 ug/l

RT: 2.93 min Scan# 547

Delta R.T. 0.00 min

Lab File: VU029080.D

Acq: 09 Jan 2019 09:07

Instrument :
MSVOA_U
ClientSampleId :

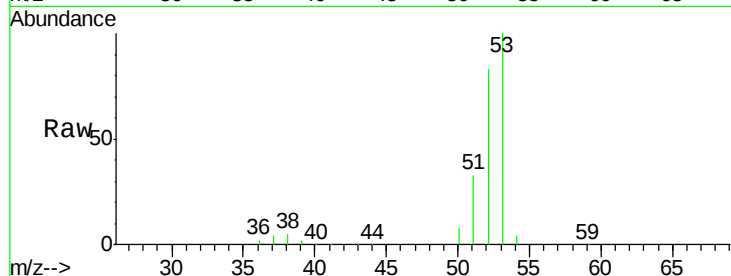
Tot Ion: 53 Resp: 260565

Ion Ratio Lower Upper

53 100

52 80.8 64.8 97.2

51 33.5 27.3 40.9



Abundance Ion 53.00 (52.70 to 53.70): VU029080.D (-541) (-)

Ion 52.00 (51.70 to 52.70): VU029080.D (-541) (-)

Ion 51.00 (50.70 to 51.70): VU029080.D (-541) (-)

2.93

150000

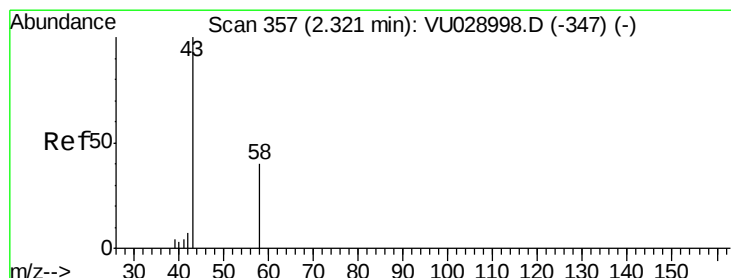
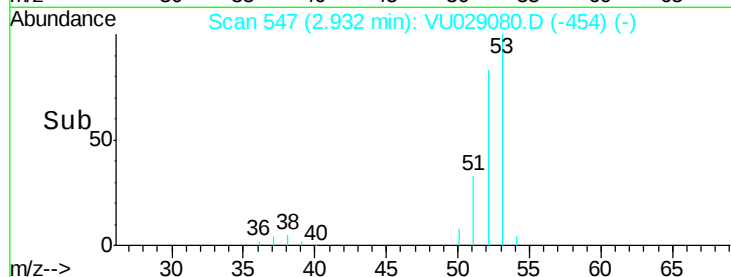
100000

50000

0

Time-->

2.80 2.90 3.00 3.10



#16

Acetone

Concen: 272.141 ug/l

RT: 2.32 min Scan# 356

Delta R.T. -0.00 min

Lab File: VU029080.D

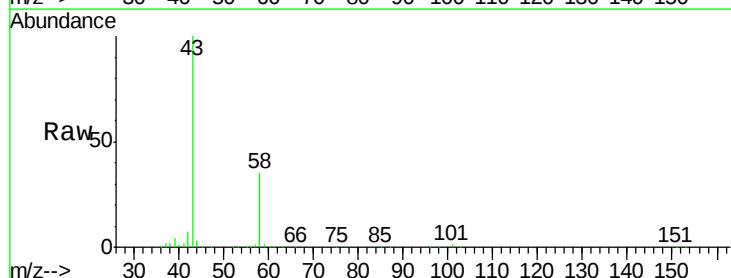
Acq: 09 Jan 2019 09:07

Tgt Ion: 43 Resp: 277888

Ion Ratio Lower Upper

43 100

58 35.4 28.6 42.8



Abundance Ion 43.00 (42.70 to 43.70): VU029080.D (-264) (-)

Ion 58.00 (57.70 to 58.70): VU029080.D (-264) (-)

2.32

200000

150000

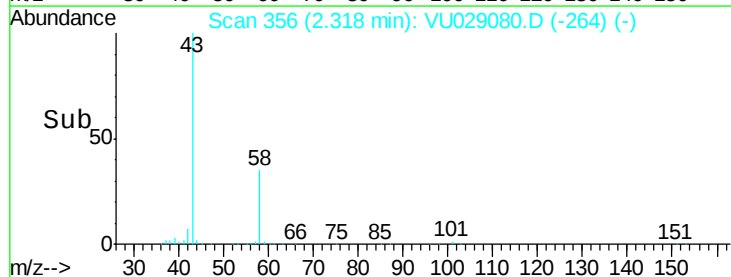
100000

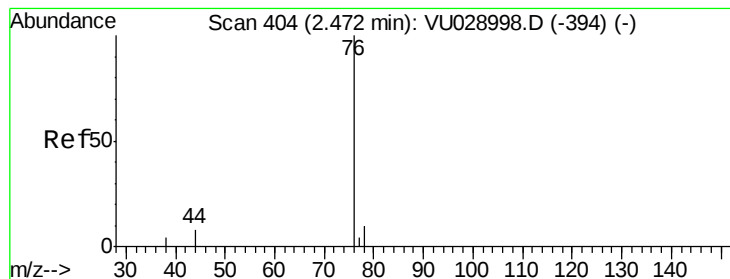
50000

0

Time-->

2.20 2.30 2.40





#17

Carbon Disulfide

Concen: 46.346 ug/l

RT: 2.47 min Scan# 404

Delta R.T. 0.00 min

Lab File: VU029080.D

Acq: 09 Jan 2019 09:07

Instrument :

MSVOA_U

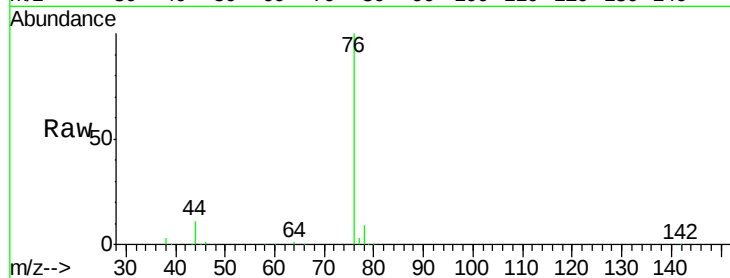
ClientSampleId :

Tot Ion: 76 Resp: 208892

Ion Ratio Lower Upper

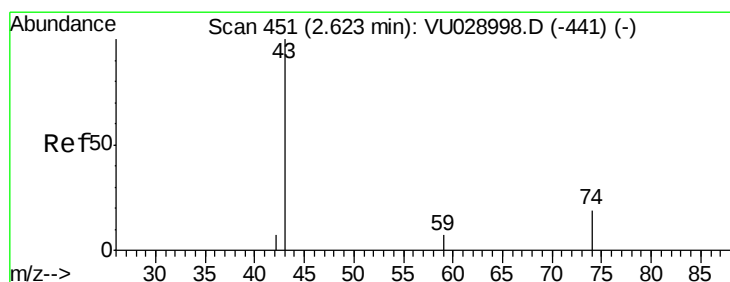
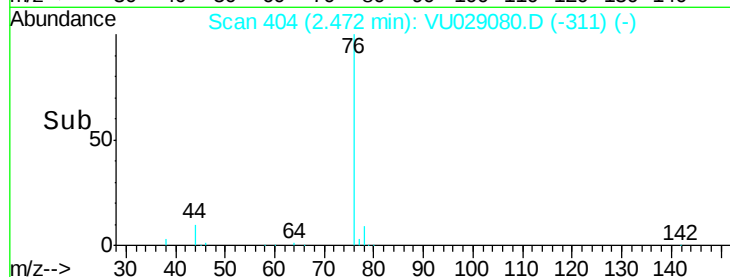
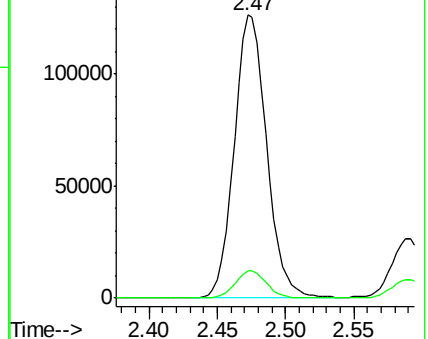
76 100

78 9.5 7.2 10.8



Abundance Ion 75.90 (75.60 to 76.60): VU029080.D (-394) (-)

Ion 77.90 (77.60 to 78.60): VU029080.D (-394) (-)



#18

Methyl Acetate

Concen: 51.972 ug/l

RT: 2.61 min Scan# 448

Delta R.T. 0.00 min

Lab File: VU029080.D

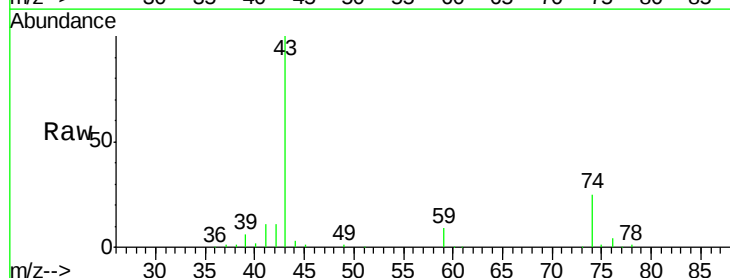
Acq: 09 Jan 2019 09:07

Tgt Ion: 43 Resp: 123397

Ion Ratio Lower Upper

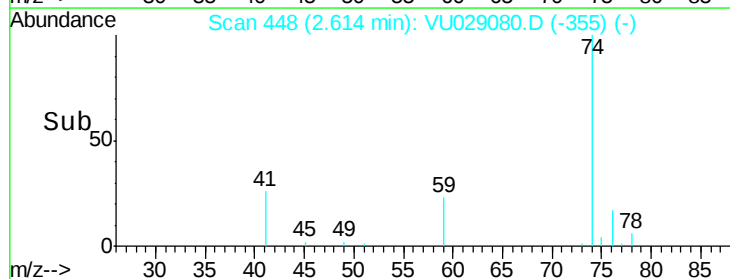
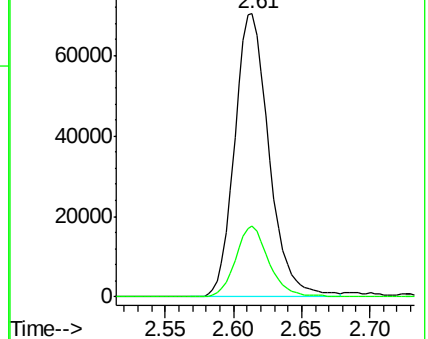
43 100

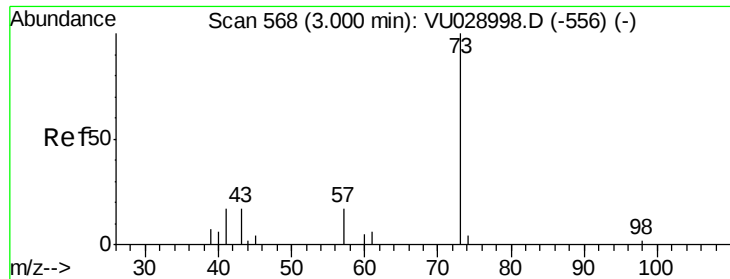
74 24.3 19.5 29.3



Abundance Ion 43.00 (42.70 to 43.70): VU029080.D (-355) (-)

Ion 74.00 (73.70 to 74.70): VU029080.D (-355) (-)

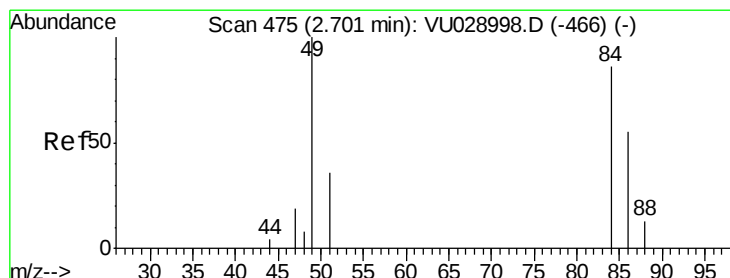
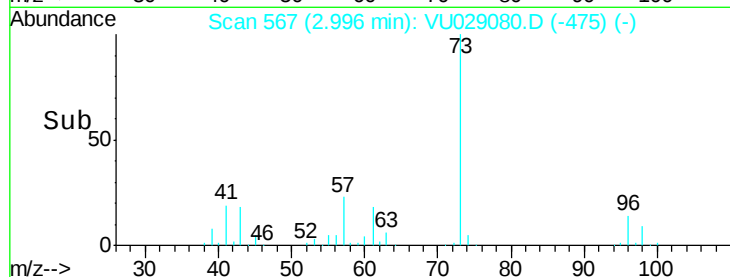
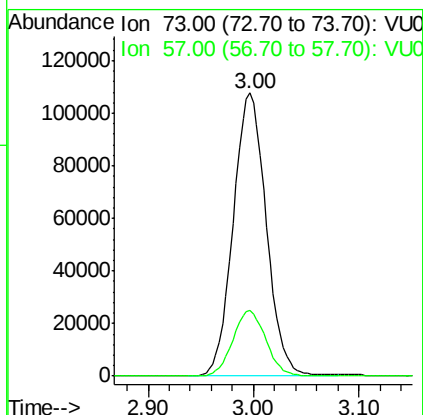
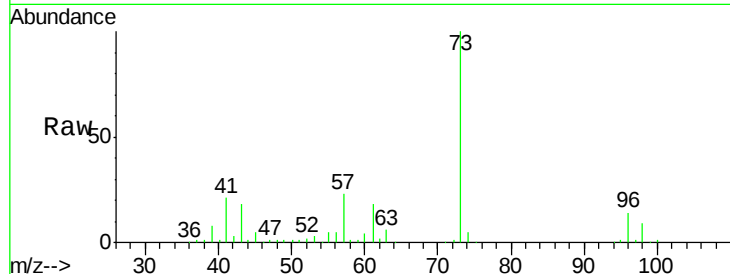




#19
Methvl tert-butvl Ether
Concen: 49.097 ug/l
RT: 3.00 min Scan# 567
Delta R.T. -0.00 min
Lab File: VU029080.D
Acq: 09 Jan 2019 09:07

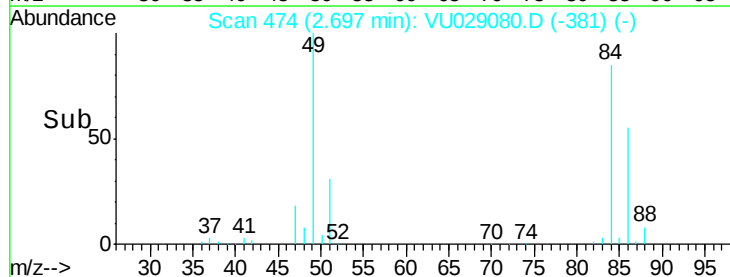
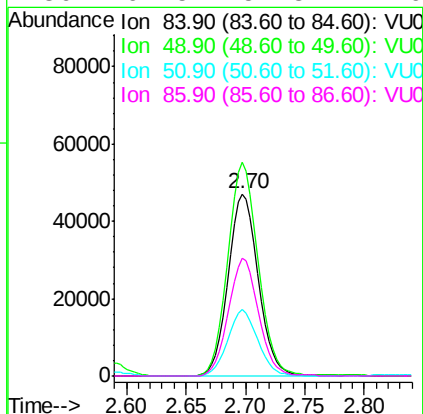
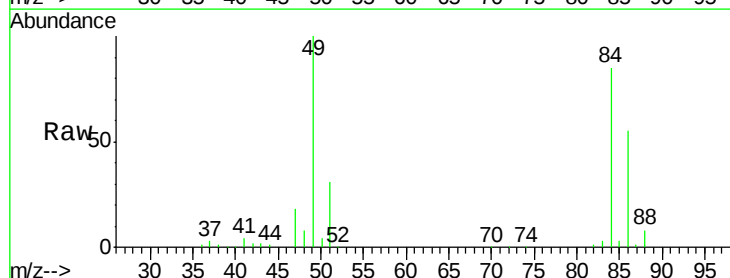
Instrument :
MSVOA_U
ClientSampleId :

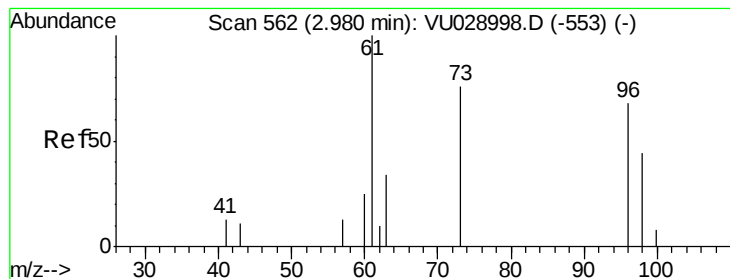
Tot Ion: 73 Resp: 234738
Ion Ratio Lower Upper
73 100
57 23.0 18.6 28.0



#20
Methylene Chloride
Concen: 47.774 ug/l
RT: 2.70 min Scan# 474
Delta R.T. 0.00 min
Lab File: VU029080.D
Acq: 09 Jan 2019 09:07

Tgt Ion: 84 Resp: 82825
Ion Ratio Lower Upper
84 100
49 117.1 91.9 137.9
51 36.4 29.2 43.8
86 64.5 51.8 77.6





#21

trans-1,2-Dichloroethene

Concen: 46.975 ug/l

RT: 2.98 min Scan# 561

Delta R.T. 0.00 min

Lab File: VU029080.D

Acq: 09 Jan 2019 09:07

Instrument :
MSVOA_U
ClientSampleId :

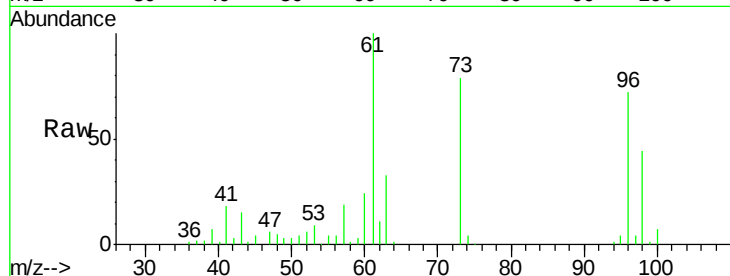
Tot Ion: 96 Resp: 74220

Ion Ratio Lower Upper

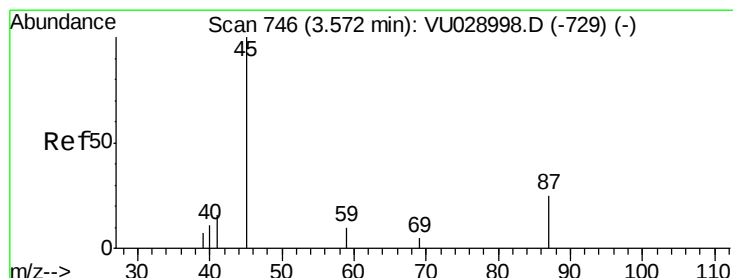
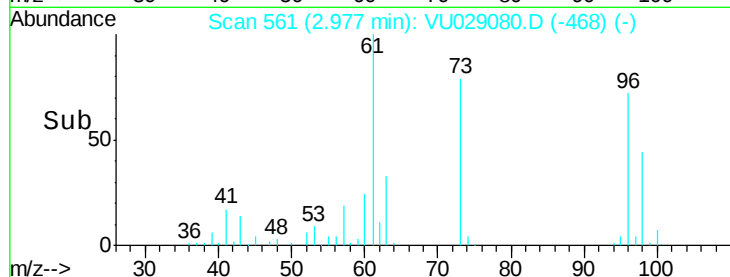
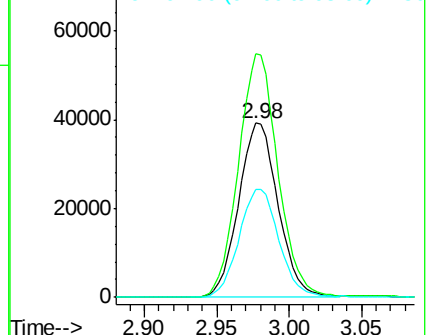
96 100

61 139.7 107.7 161.5

98 61.7 49.2 73.8



Abundance Ion 95.90 (95.60 to 96.60): VU0
Ion 60.90 (60.60 to 61.60): VU0
Ion 97.90 (97.60 to 98.60): VU0



#22

Diisopropyl ether

Concen: 50.651 ug/l

RT: 3.57 min Scan# 745

Delta R.T. 0.00 min

Lab File: VU029080.D

Acq: 09 Jan 2019 09:07

Tgt Ion: 45 Resp: 249783

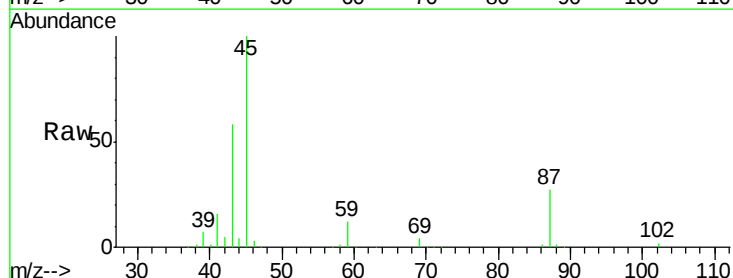
Ion Ratio Lower Upper

45 100

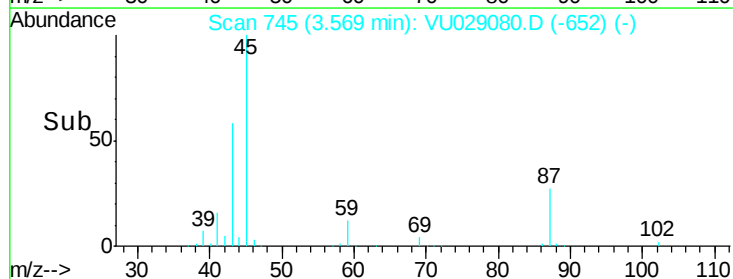
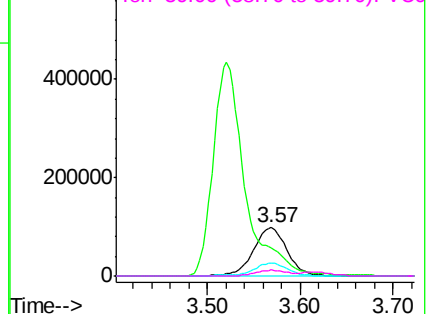
43 55.8 44.7 67.1

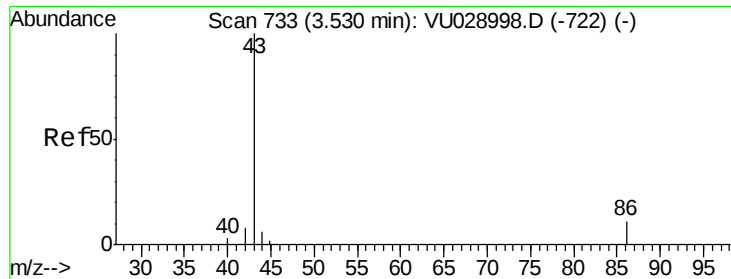
87 27.4 22.2 33.2

59 12.1 9.8 14.8



Abundance Ion 45.00 (44.70 to 45.70): VU0
Ion 43.00 (42.70 to 43.70): VU0
Ion 87.00 (86.70 to 87.70): VU0
Ion 59.00 (58.70 to 59.70): VU0





#23

Vinyl Acetate

Concen: 259.528 ug/l

RT: 3.52 min Scan# 730

Delta R.T. 0.00 min

Lab File: VU029080.D

Acq: 09 Jan 2019 09:07

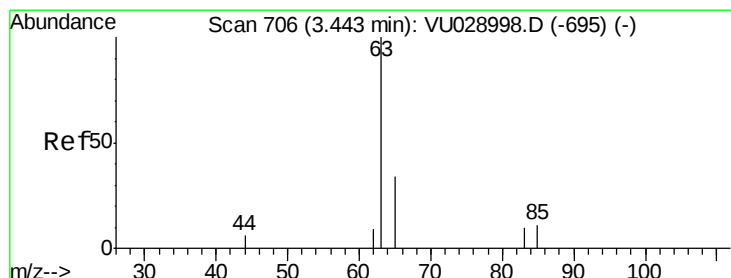
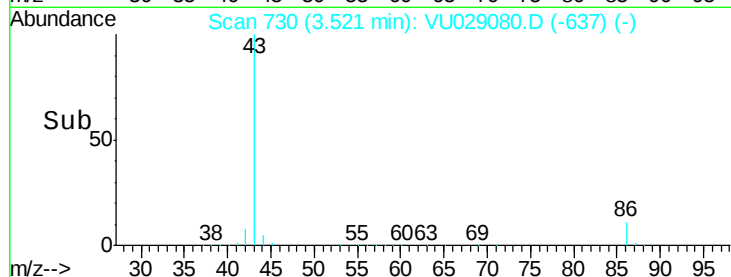
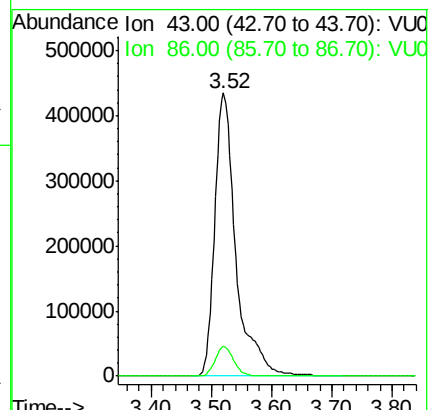
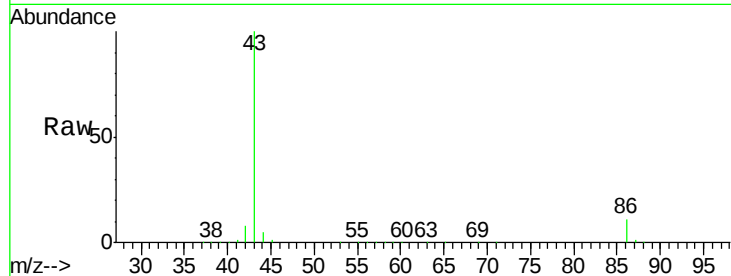
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 43 Resp: 1046295

Ion Ratio Lower Upper

43 100

86 10.6 8.6 13.0



#24

1,1-Dichloroethane

Concen: 50.588 ug/l

RT: 3.44 min Scan# 706

Delta R.T. 0.00 min

Lab File: VU029080.D

Acq: 09 Jan 2019 09:07

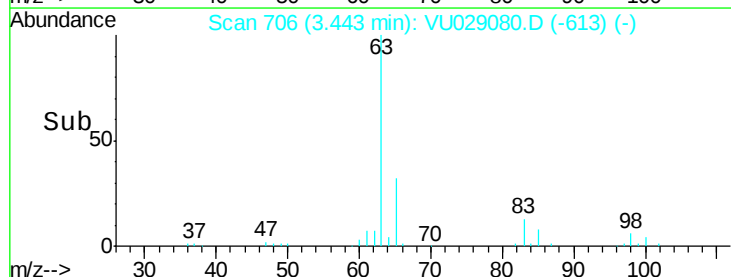
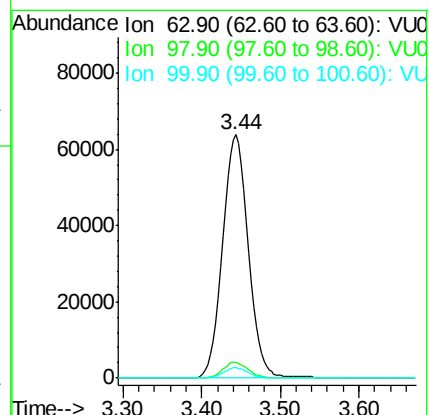
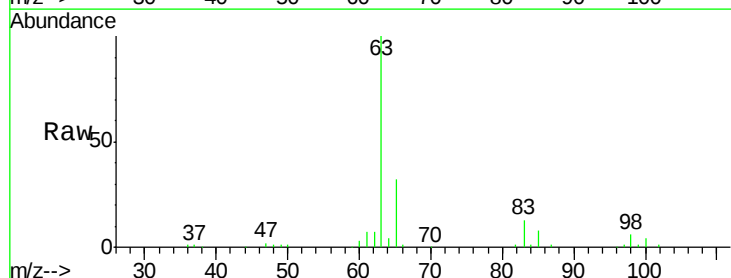
Tgt Ion: 63 Resp: 144014

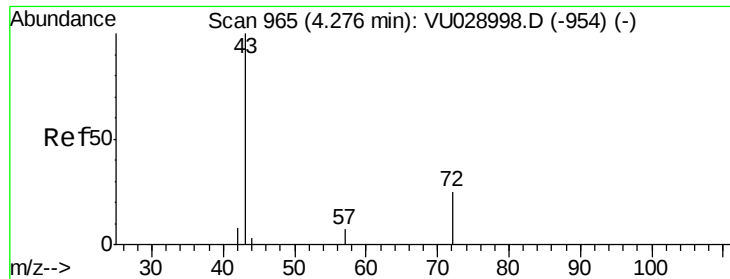
Ion Ratio Lower Upper

63 100

98 6.3 3.4 10.1

100 4.3 2.0 5.8





#25

2-Butanone

Concen: 269.152 ug/l

RT: 4.26 min Scan# 959

Delta R.T. -0.00 min

Lab File: VU029080.D

Acq: 09 Jan 2019 09:07

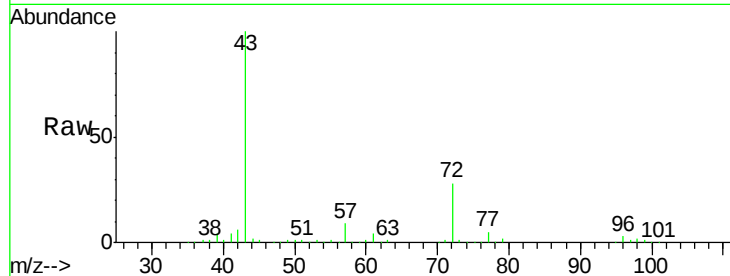
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 43 Resp: 371207

Ion Ratio Lower Upper

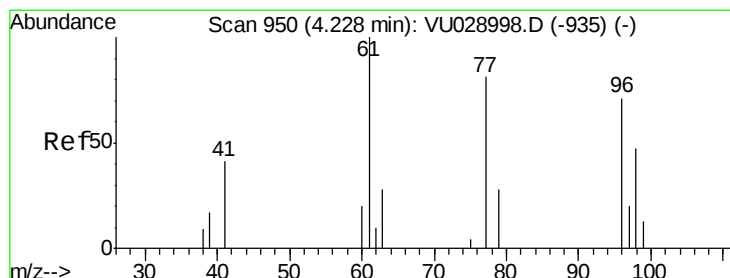
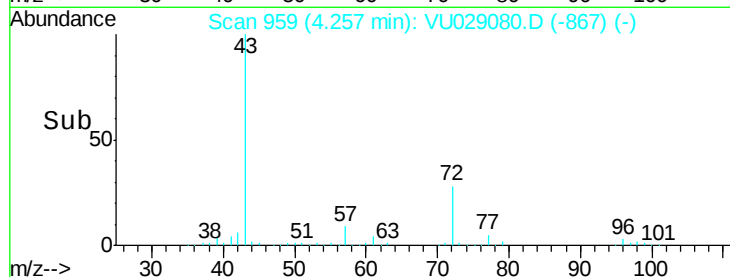
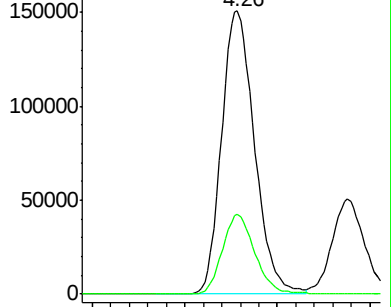
43 100

72 28.3 22.6 33.8



Abundance Ion 43.00 (42.70 to 43.70): VU028998.D (-954) (-)

Ion 72.00 (71.70 to 72.70): VU028998.D (-954) (-)



#26

2,2-Dichloropropane

Concen: 50.387 ug/l

RT: 4.22 min Scan# 949

Delta R.T. 0.00 min

Lab File: VU029080.D

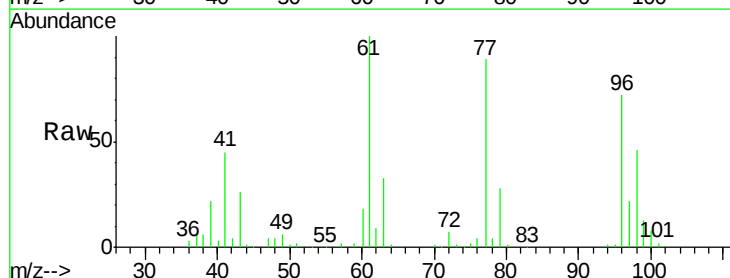
Acq: 09 Jan 2019 09:07

Tgt Ion: 77 Resp: 115906

Ion Ratio Lower Upper

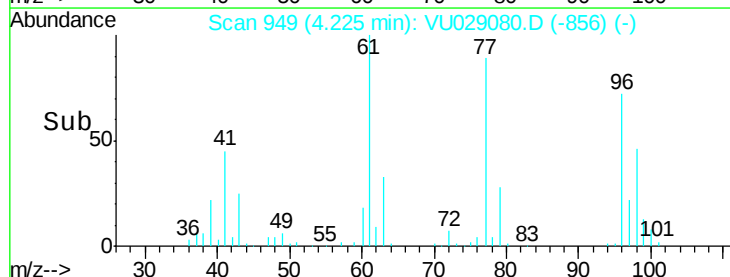
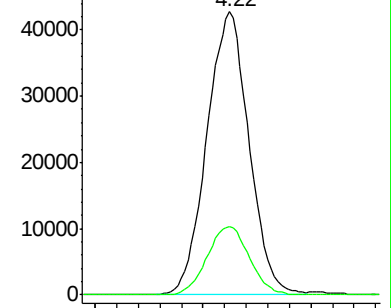
77 100

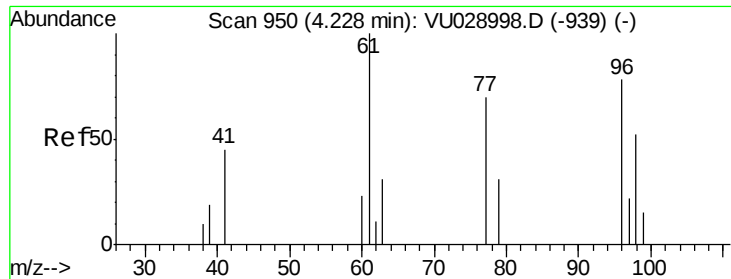
97 24.2 12.0 36.1



Abundance Ion 76.90 (76.60 to 77.60): VU028998.D (-935) (-)

Ion 96.90 (96.60 to 97.60): VU028998.D (-935) (-)



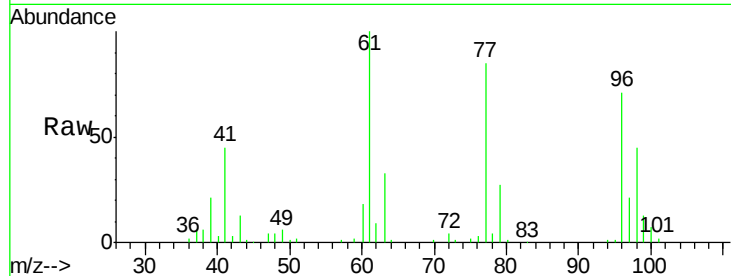


#27

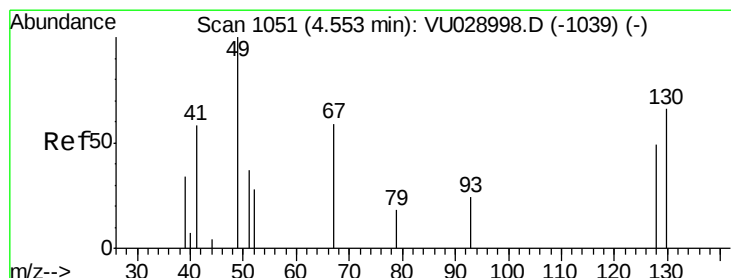
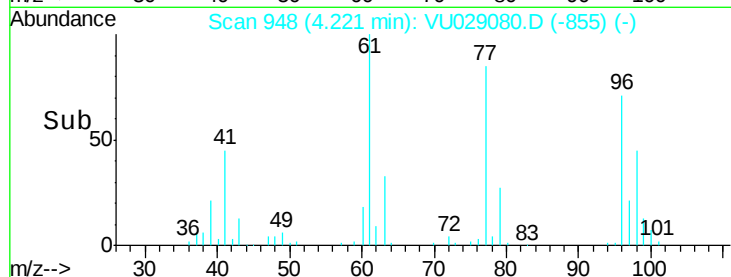
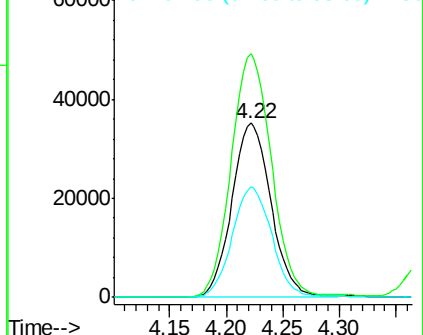
cis-1,2-Dichloroethene
Concen: 49.191 ug/l
RT: 4.22 min Scan# 948
Delta R.T. 0.00 min
Lab File: VU029080.D
Acq: 09 Jan 2019 09:07

Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 96 Resp: 85005
Ion Ratio Lower Upper
96 100
61 143.8 0.0 285.6
98 64.0 0.0 130.2



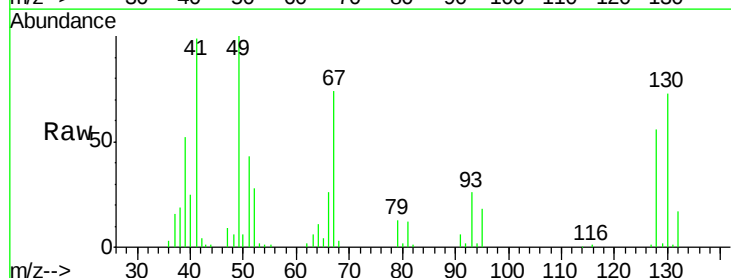
Abundance Ion 95.90 (95.60 to 96.60): VU0
Ion 60.90 (60.60 to 61.60): VU0
Ion 97.90 (97.60 to 98.60): VU0



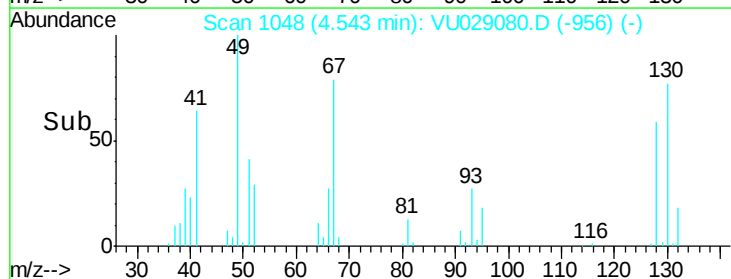
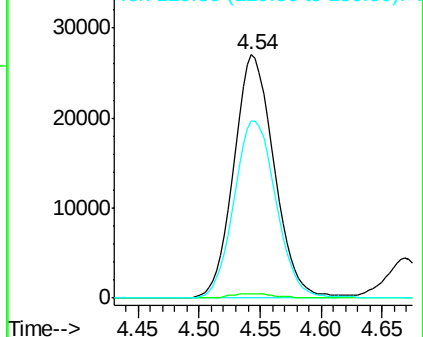
#28

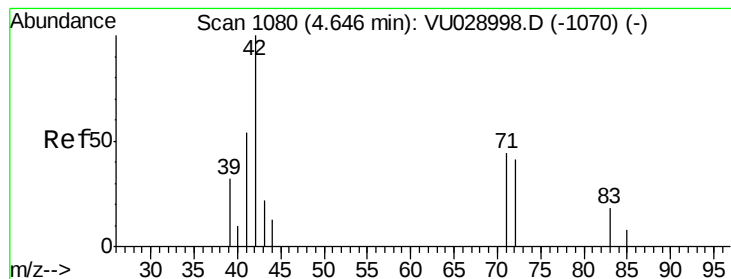
Bromochloromethane
Concen: 50.831 ug/l
RT: 4.54 min Scan# 1048
Delta R.T. -0.00 min
Lab File: VU029080.D
Acq: 09 Jan 2019 09:07

Tgt Ion: 49 Resp: 61963
Ion Ratio Lower Upper
49 100
129 1.9 0.0 3.4
130 75.5 62.9 94.3



Abundance Ion 48.90 (48.60 to 49.60): VU0
Ion 128.80 (128.50 to 129.50): V
Ion 129.80 (129.50 to 130.50): V





#29

Tetrahydrofuran

Concen: 257.420 ug/l

RT: 4.63 min Scan# 1076

Delta R.T. 0.00 min

Lab File: VU029080.D

Acq: 09 Jan 2019 09:07

Instrument :
MSVOA_U
ClientSampleId :

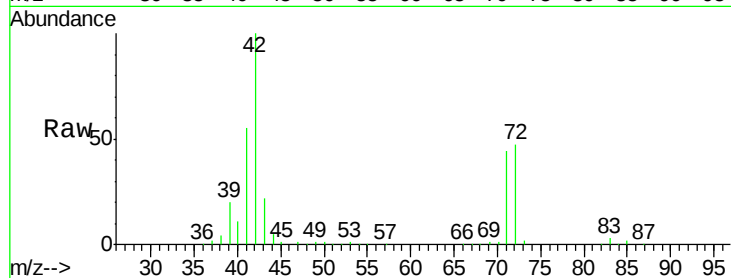
Tot Ion: 42 Resp: 215329

Ion Ratio Lower Upper

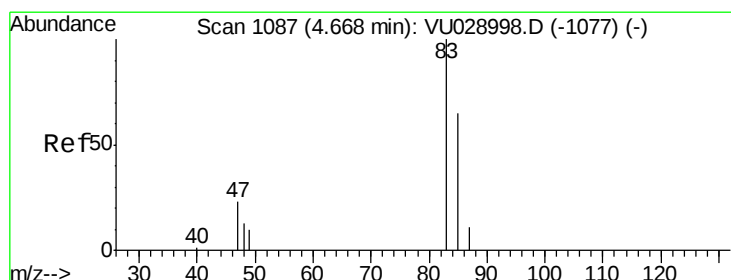
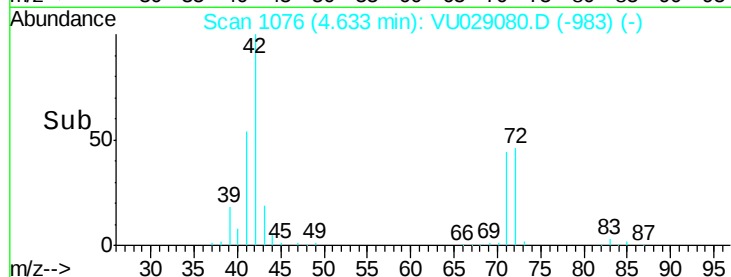
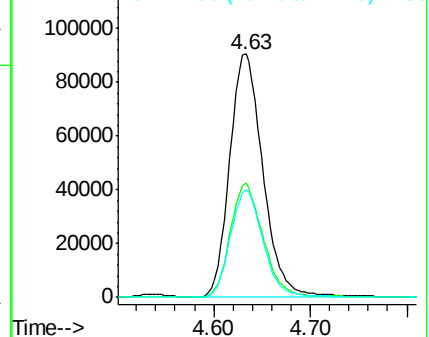
42 100

72 47.0 38.3 57.5

71 43.4 36.1 54.1



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



#30

Chloroform

Concen: 50.294 ug/l

RT: 4.67 min Scan# 1088

Delta R.T. 0.00 min

Lab File: VU029080.D

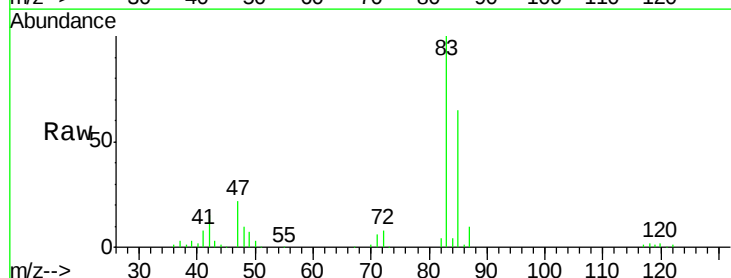
Acq: 09 Jan 2019 09:07

Tgt Ion: 83 Resp: 136375

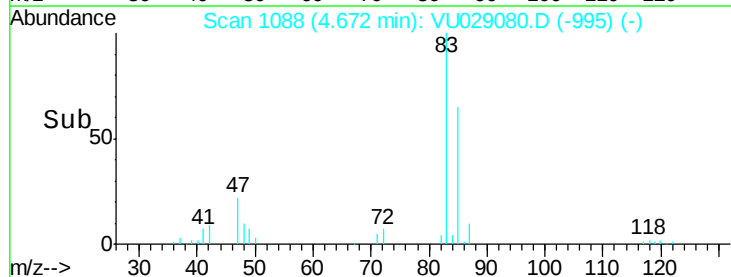
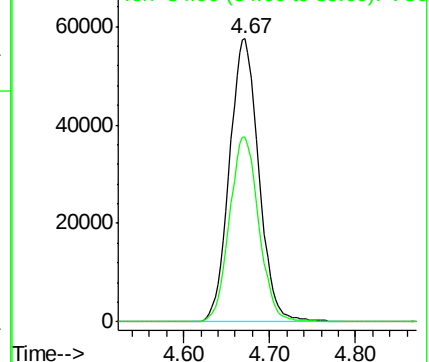
Ion Ratio Lower Upper

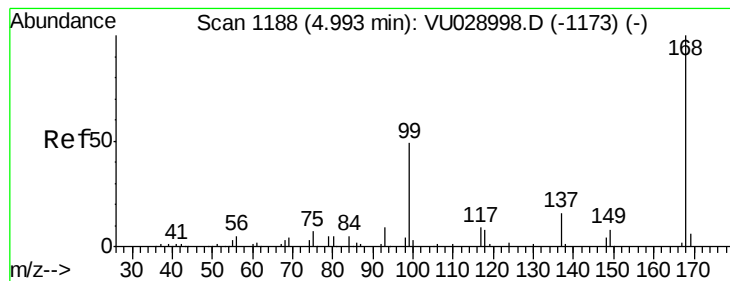
83 100

85 65.3 53.4 80.0



Abundance Ion 82.90 (82.60 to 83.60): VU0
Ion 84.90 (84.60 to 85.60): VU0





#31

Cyclohexane

Concen: 49.644 ug/l

RT: 4.99 min Scan# 1187

Delta R.T. -0.00 min

Lab File: VU029080.D

Acq: 09 Jan 2019 09:07

Instrument :
MSVOA_U
ClientSampled :

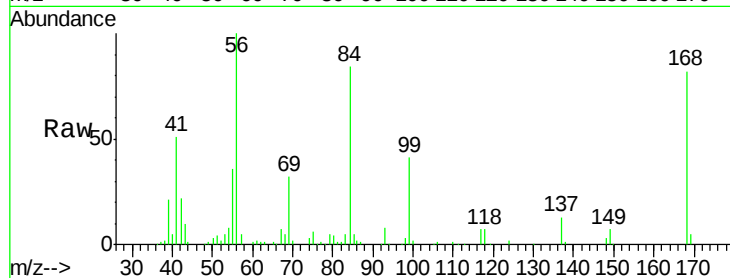
Tot Ion: 56 Resp: 133433

Ion Ratio Lower Upper

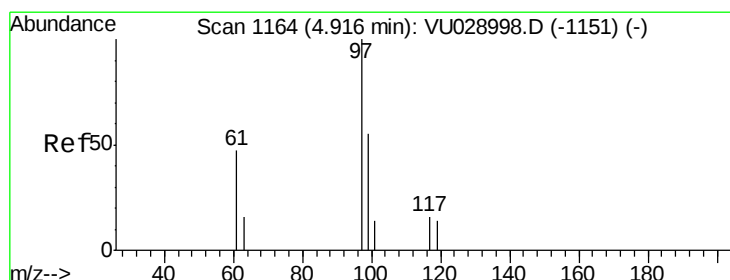
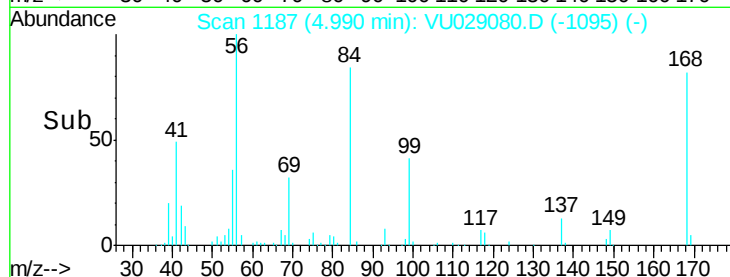
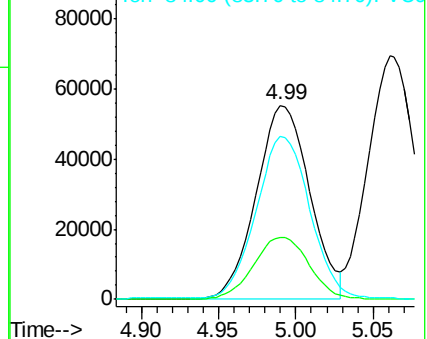
56 100

69 32.1 26.7 40.1

84 83.2 65.7 98.5



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



#32

1,1,1-Trichloroethane

Concen: 49.563 ug/l

RT: 4.91 min Scan# 1163

Delta R.T. 0.00 min

Lab File: VU029080.D

Acq: 09 Jan 2019 09:07

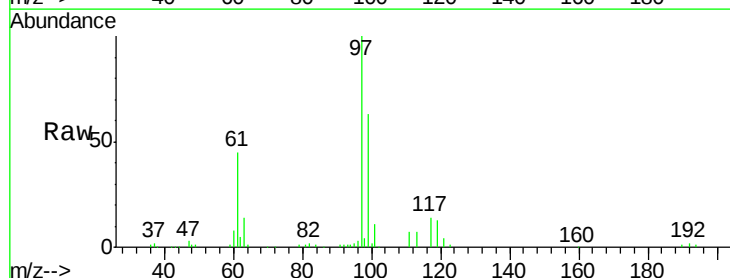
Tgt Ion: 97 Resp: 111045

Ion Ratio Lower Upper

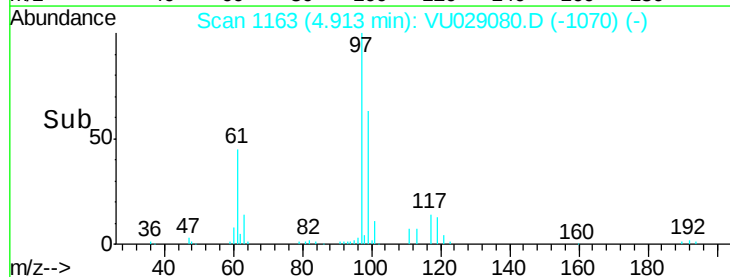
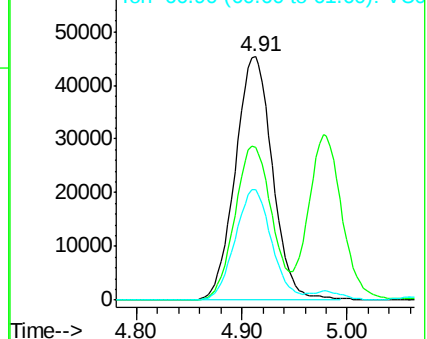
97 100

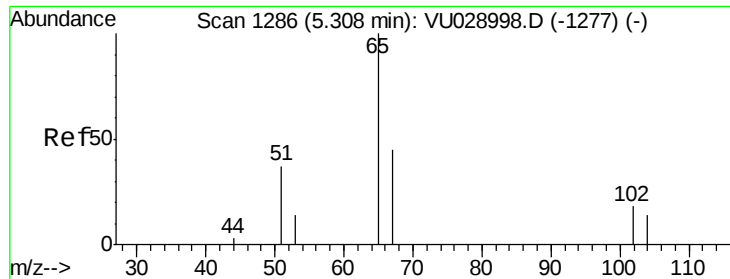
99 63.5 51.0 76.4

61 44.5 34.4 51.6



Abundance Ion 96.90 (96.60 to 97.60): VU0
Ion 98.90 (98.60 to 99.60): VU0
Ion 60.90 (60.60 to 61.60): VU0

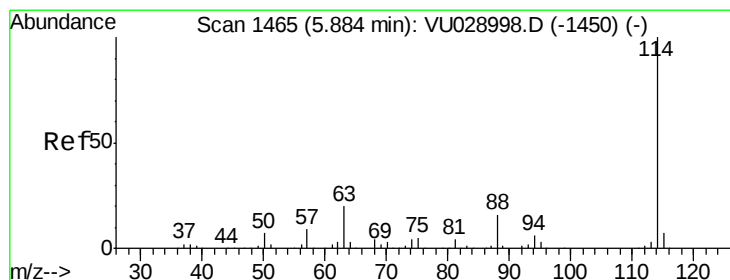
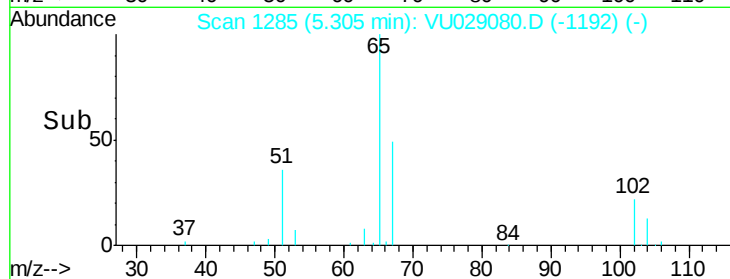
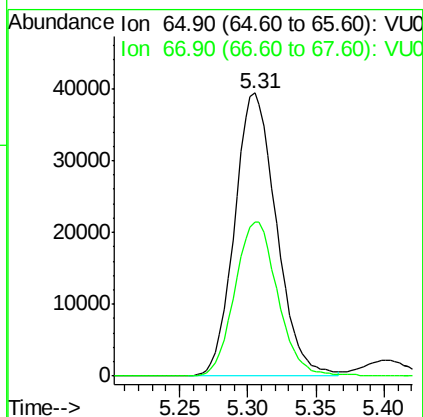
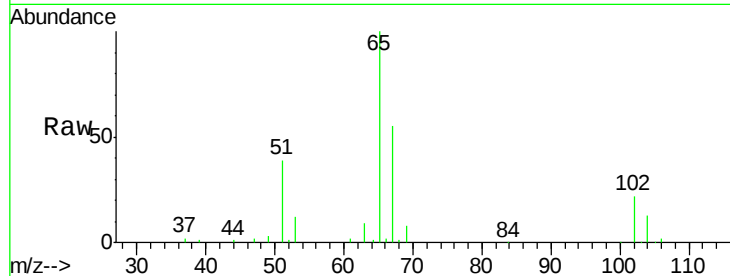




#33
 1,2-Dichloroethane-d4
 Concen: 51.725 ug/l
 RT: 5.31 min Scan# 1285
 Delta R.T. 0.00 min
 Lab File: VU029080.D
 Acq: 09 Jan 2019 09:07

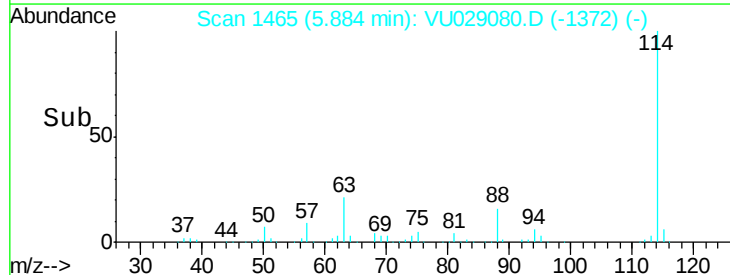
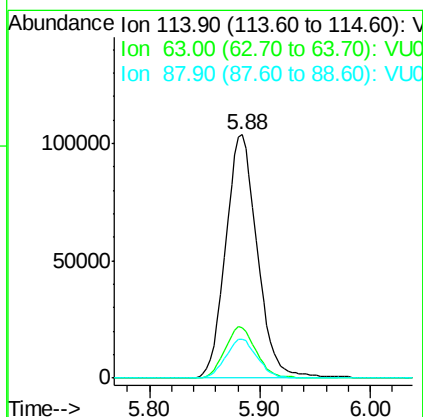
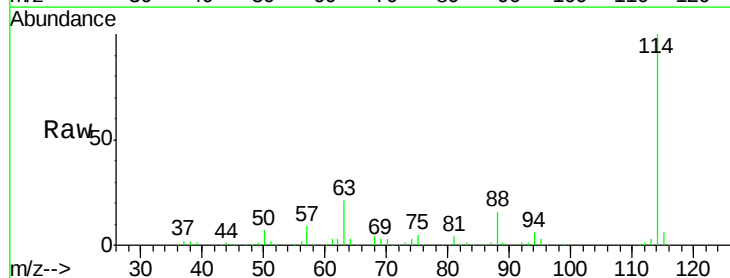
Instrument :
 MSVOA_U
 ClientSampleId :

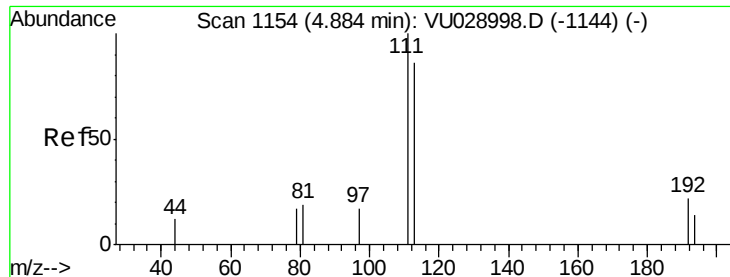
Tot Ion: 65 Resp: 83842
 Ion Ratio Lower Upper
 65 100
 67 55.9 0.0 111.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.88 min Scan# 1465
 Delta R.T. 0.00 min
 Lab File: VU029080.D
 Acq: 09 Jan 2019 09:07

Tgt Ion: 114 Resp: 206103
 Ion Ratio Lower Upper
 114 100
 63 20.8 0.0 40.2
 88 16.1 0.0 30.4

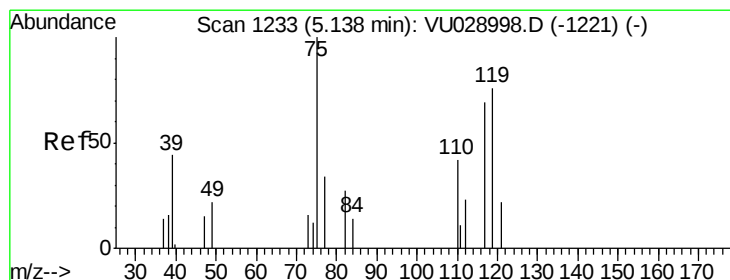
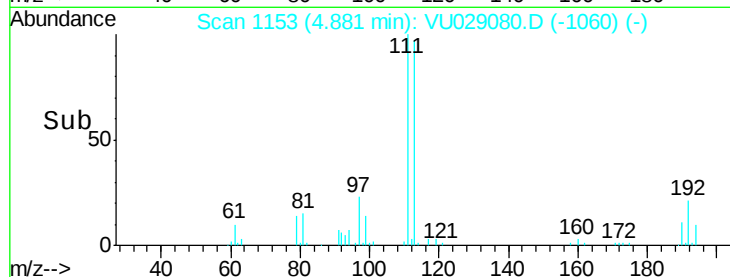
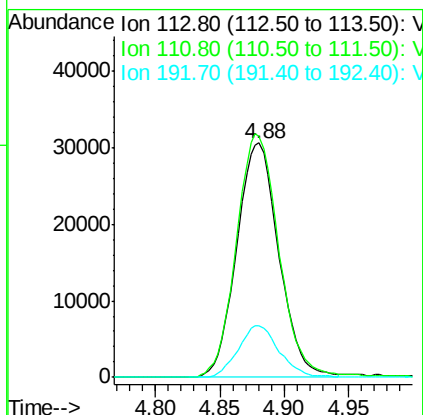
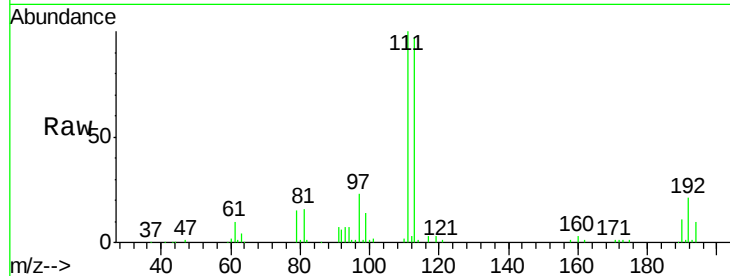




#35
 Dibromofluoromethane
 Concen: 52.183 ug/l
 RT: 4.88 min Scan# 1153
 Delta R.T. 0.00 min
 Lab File: VU029080.D
 Acq: 09 Jan 2019 09:07

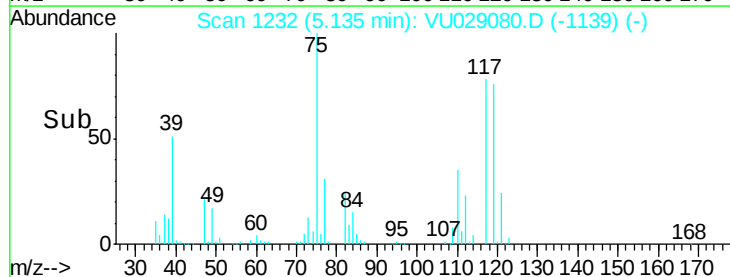
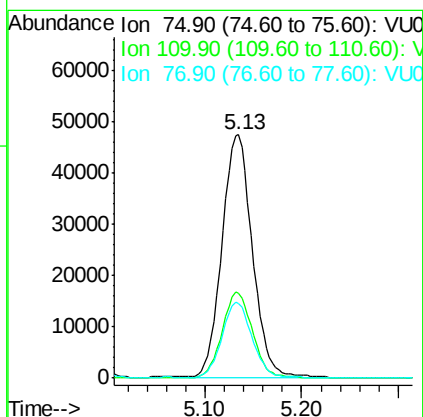
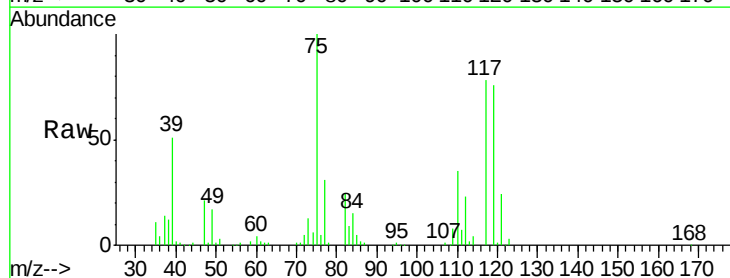
Instrument :
 MSVOA_U
 ClientSampleId :

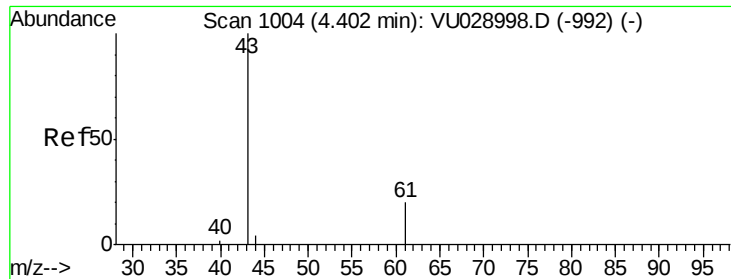
Tot Ion:113 Resp: 69718
 Ion Ratio Lower Upper
 113 100
 111 104.3 81.4 122.2
 192 21.5 16.8 25.2



#36
 1,1-Dichloropropene
 Concen: 50.249 ug/l
 RT: 5.13 min Scan# 1232
 Delta R.T. 0.00 min
 Lab File: VU029080.D
 Acq: 09 Jan 2019 09:07

Tgt Ion: 75 Resp: 103518
 Ion Ratio Lower Upper
 75 100
 110 35.3 18.4 55.4
 77 31.4 25.1 37.7

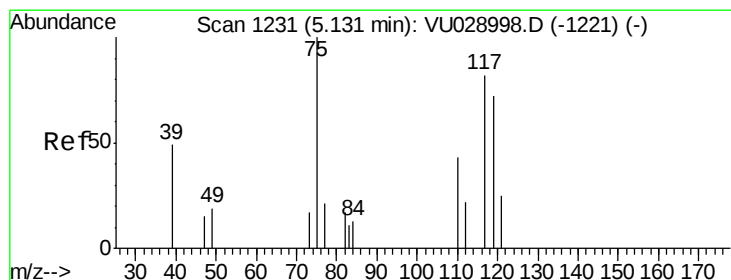
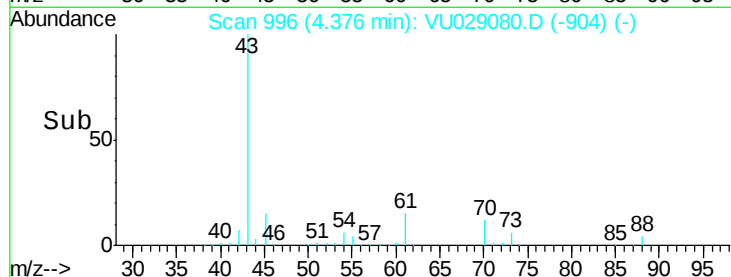
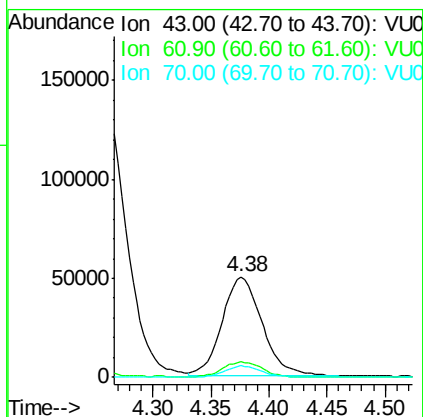
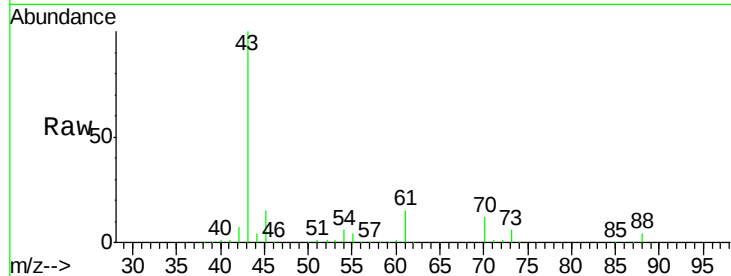




#37
Ethyl Acetate
Concen: 53.557 ug/l
RT: 4.38 min Scan# 996
Delta R.T. -0.00 min
Lab File: VU029080.D
Acq: 09 Jan 2019 09:07

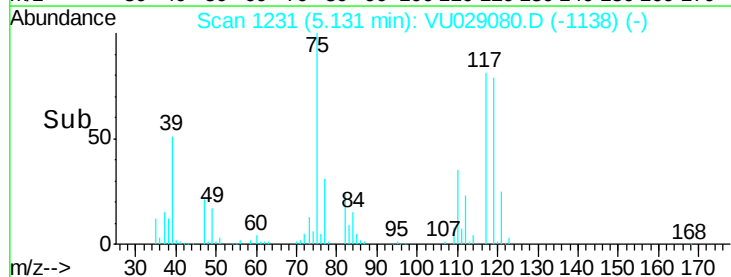
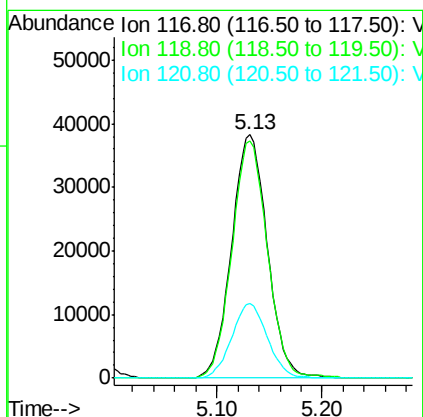
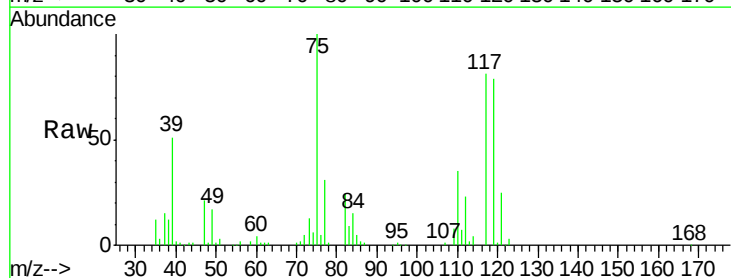
Instrument :
MSVOA_U
ClientSampleId :

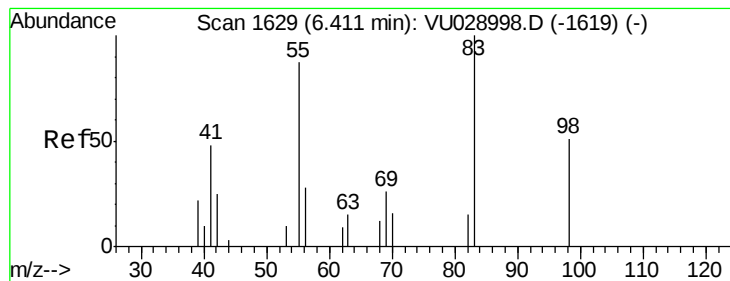
Tot Ion: 43 Resp: 121108
Ion Ratio Lower Upper
43 100
61 15.7 12.6 18.8
70 10.9 9.3 13.9



#38
Carbon Tetrachloride
Concen: 52.324 ug/l
RT: 5.13 min Scan# 1231
Delta R.T. 0.00 min
Lab File: VU029080.D
Acq: 09 Jan 2019 09:07

Tgt Ion: 117 Resp: 89904
Ion Ratio Lower Upper
117 100
119 97.3 74.6 111.8
121 30.5 25.0 37.6





#39

Methvlcvclohexane

Concen: 52.572 ug/l

RT: 6.41 min Scan# 1629

Delta R.T. -0.00 min

Lab File: VU029080.D

Acq: 09 Jan 2019 09:07

Instrument :

MSVOA_U

ClientSampleId :

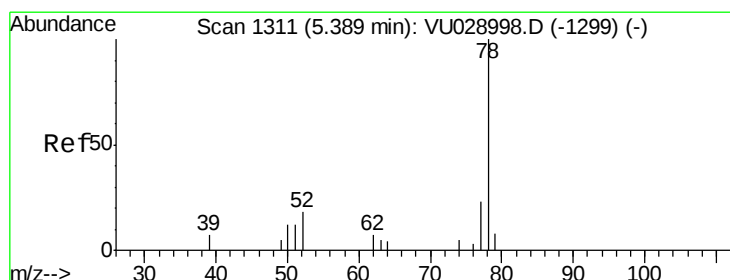
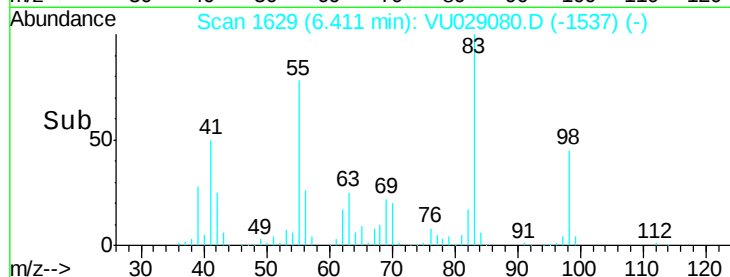
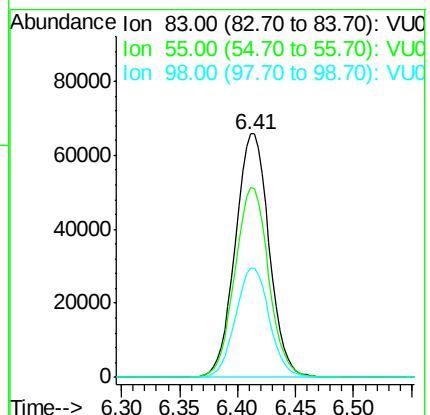
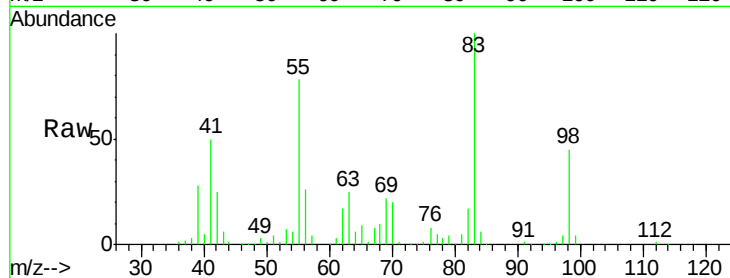
Tot Ion: 83 Resp: 133146

Ion Ratio Lower Upper

83 100

55 78.2 62.4 93.6

98 45.0 36.2 54.2



#40

Benzene

Concen: 51.200 ug/l

RT: 5.39 min Scan# 1310

Delta R.T. 0.00 min

Lab File: VU029080.D

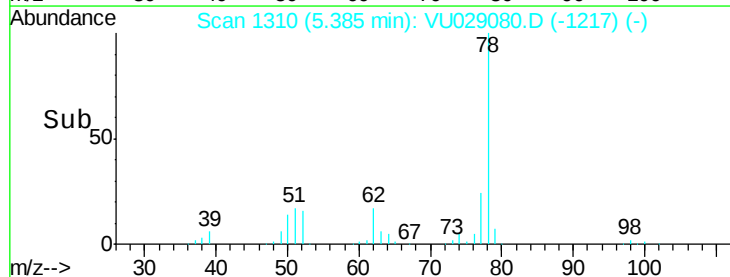
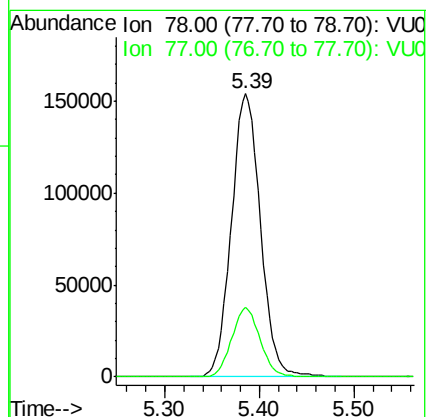
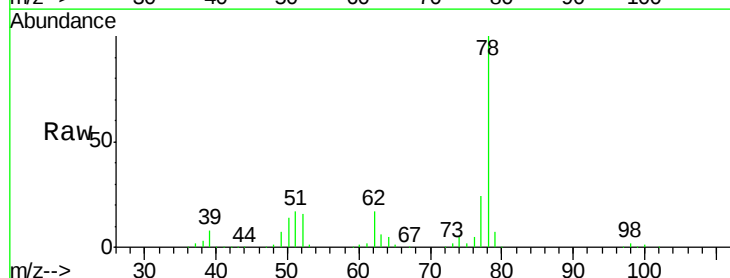
Acq: 09 Jan 2019 09:07

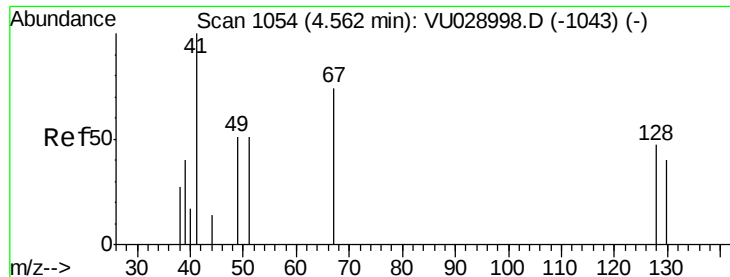
Tgt Ion: 78 Resp: 329009

Ion Ratio Lower Upper

78 100

77 24.4 18.9 28.3

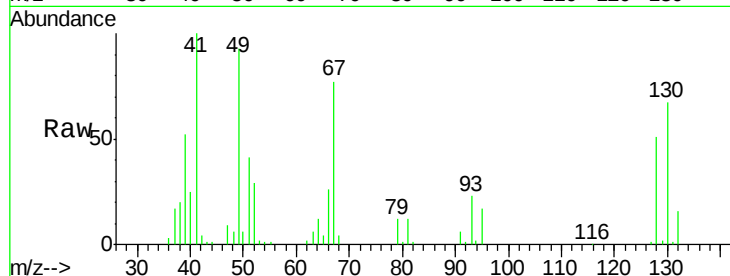




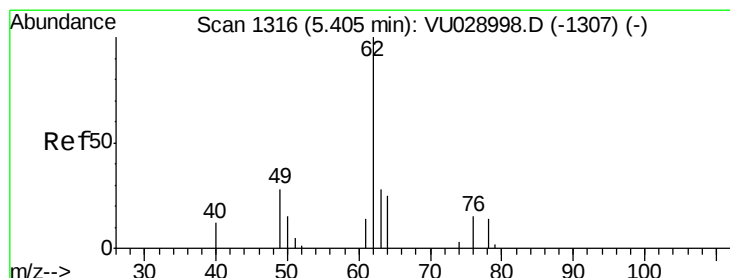
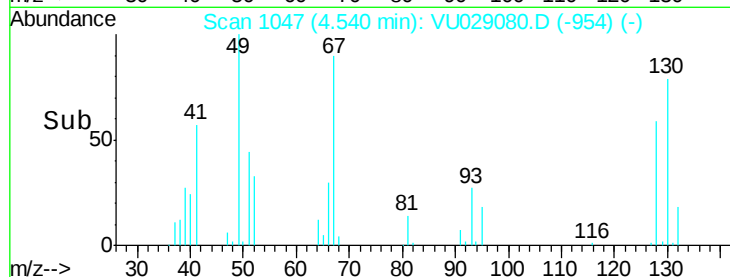
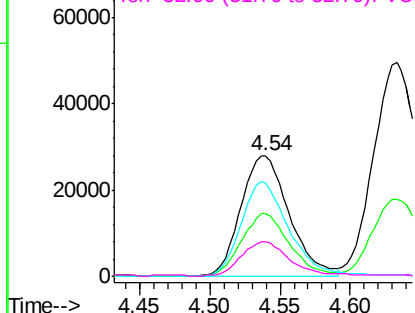
#41
Methacrylonitrile
Concen: 55.394 ug/l
RT: 4.54 min Scan# 1047
Delta R.T. 0.00 min
Lab File: VU029080.D
Acq: 09 Jan 2019 09:07

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 41 Resp: 67051
Ion Ratio Lower Upper
41 100
39 51.3 42.3 63.5
67 77.7 64.4 96.6
52 27.9 23.9 35.9

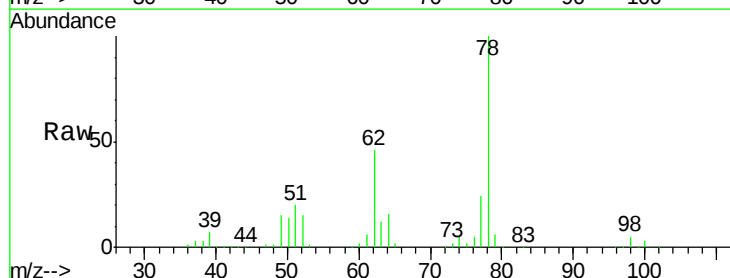


Abundance Ion 41.00 (40.70 to 41.70): VU0
Ion 39.00 (38.70 to 39.70): VU0
Ion 67.00 (66.70 to 67.70): VU0
Ion 52.00 (51.70 to 52.70): VU0

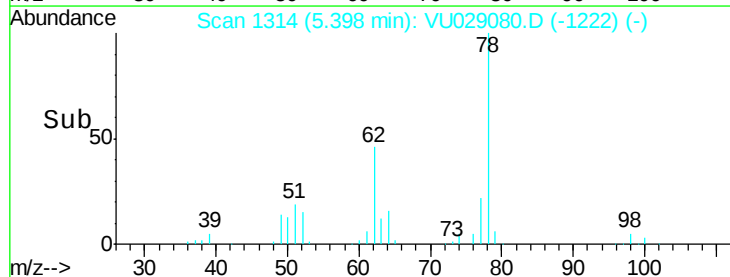
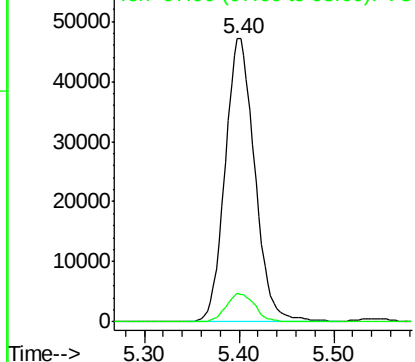


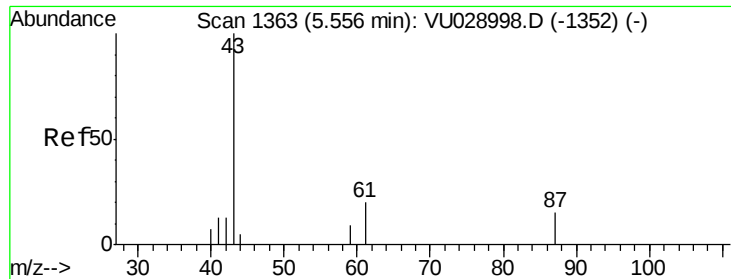
#42
1,2-Dichloroethane
Concen: 53.139 ug/l
RT: 5.40 min Scan# 1314
Delta R.T. -0.00 min
Lab File: VU029080.D
Acq: 09 Jan 2019 09:07

Tgt Ion: 62 Resp: 102608
Ion Ratio Lower Upper
62 100
98 9.7 0.0 19.6



Abundance Ion 61.90 (61.60 to 62.60): VU0
Ion 97.90 (97.60 to 98.60): VU0





#43

Isopropyl Acetate

Concen: 54.201 ug/l

RT: 5.54 min Scan# 1359

Delta R.T. -0.00 min

Lab File: VU029080.D

Acq: 09 Jan 2019 09:07

Instrument :

MSVOA_U

ClientSampleId :

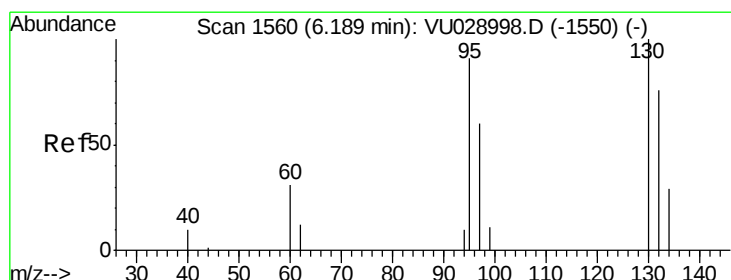
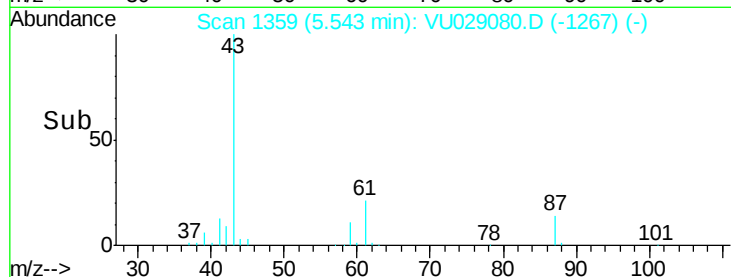
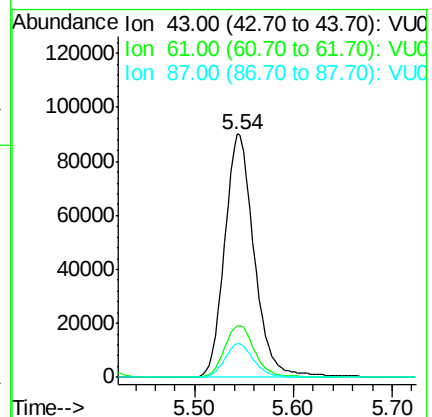
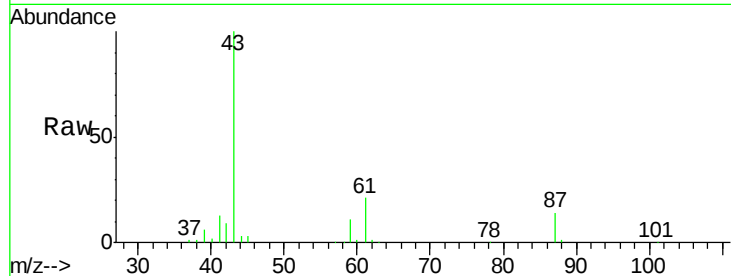
Tot Ion: 43 Resp: 188011

Ion Ratio Lower Upper

43 100

61 21.9 17.8 26.6

87 13.8 11.3 16.9



#44

Trichloroethene

Concen: 49.989 ug/l

RT: 6.18 min Scan# 1558

Delta R.T. 0.00 min

Lab File: VU029080.D

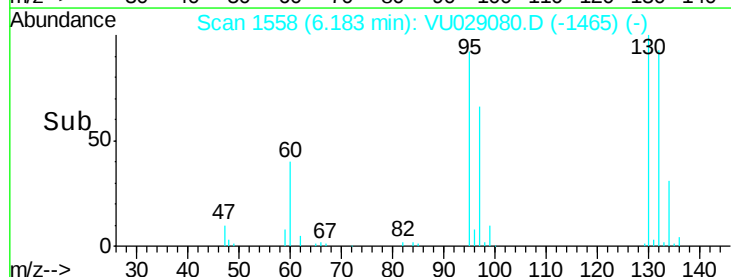
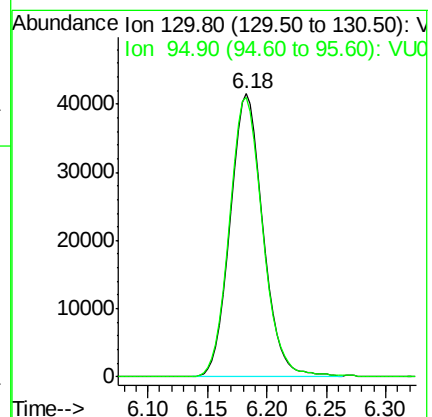
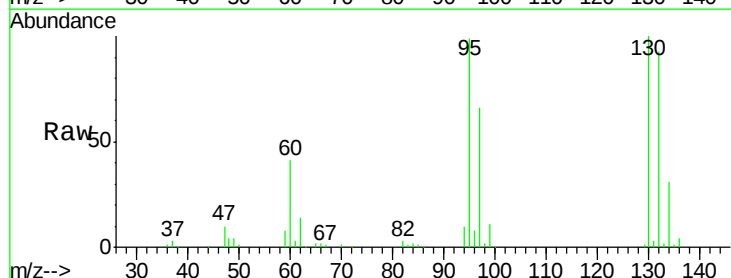
Acq: 09 Jan 2019 09:07

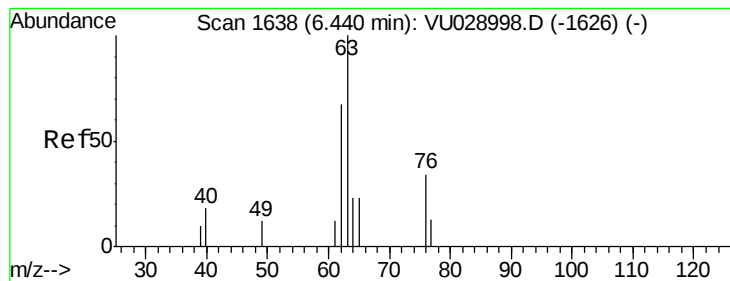
Tgt Ion:130 Resp: 79591

Ion Ratio Lower Upper

130 100

95 98.8 0.0 205.0





#45

1,2-Dichloropropane

Concen: 53.164 ug/l

RT: 6.43 min Scan# 1634

Delta R.T. -0.00 min

Lab File: VU029080.D

Acq: 09 Jan 2019 09:07

Instrument :

MSVOA_U

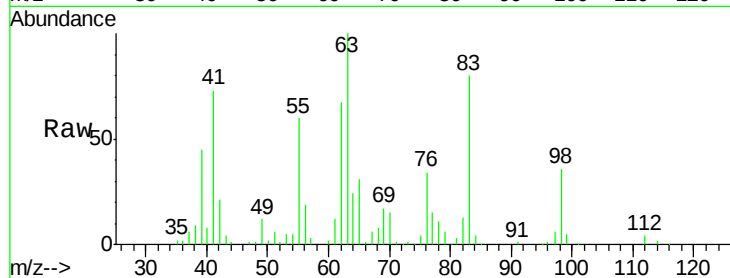
ClientSampleId :

Tot Ion: 63 Resp: 90218

Ion Ratio Lower Upper

63 100

65 31.2 25.1 37.7



Abundance Ion 62.90 (62.60 to 63.60): VU0

Ion 64.90 (64.60 to 65.60): VU0

6.43

50000

40000

30000

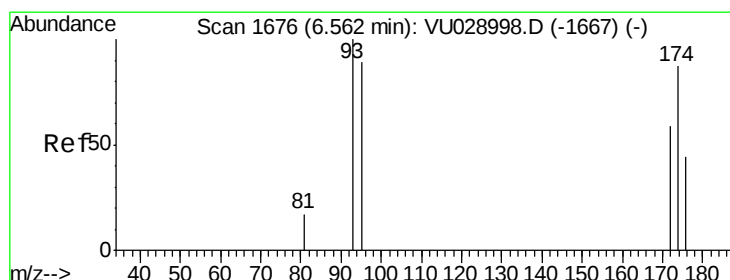
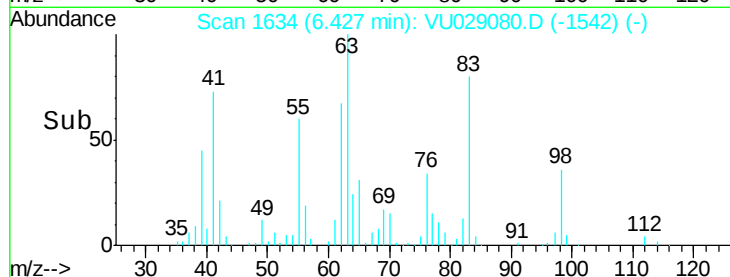
20000

10000

0

6.40 6.50

Time-->



#46

Dibromomethane

Concen: 51.740 ug/l

RT: 6.56 min Scan# 1674

Delta R.T. 0.00 min

Lab File: VU029080.D

Acq: 09 Jan 2019 09:07

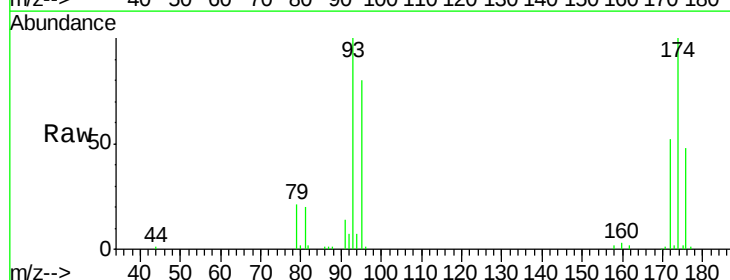
Tgt Ion: 93 Resp: 56128

Ion Ratio Lower Upper

93 100

95 83.7 67.2 100.8

174 102.1 82.6 123.8



Abundance Ion 92.80 (92.50 to 93.50): VU0

Ion 94.80 (94.50 to 95.50): VU0

Ion 173.70 (173.40 to 174.40): V

40000

30000

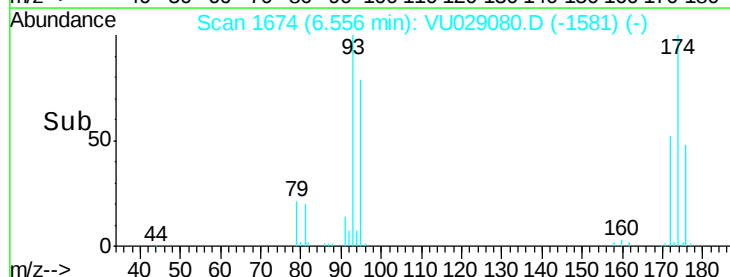
20000

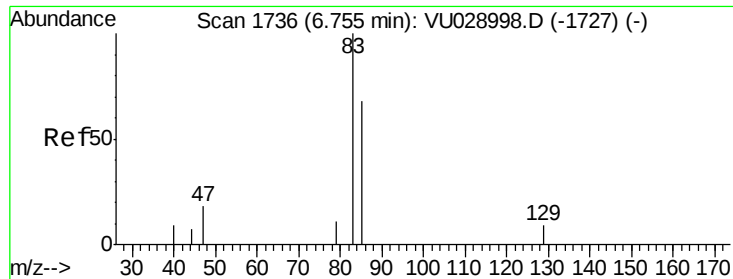
10000

0

6.45 6.55 6.60 6.65

Time-->

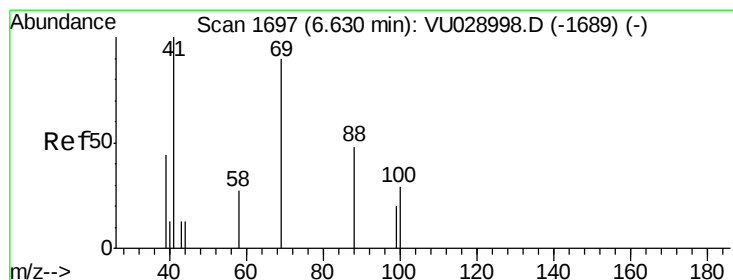
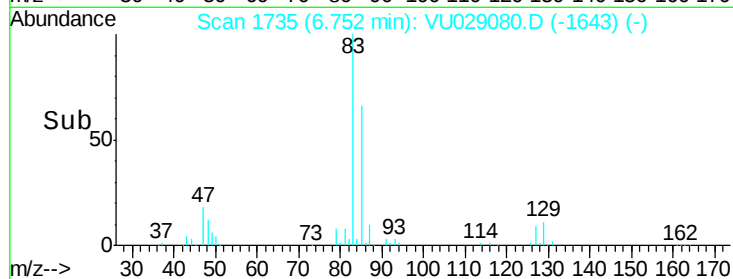
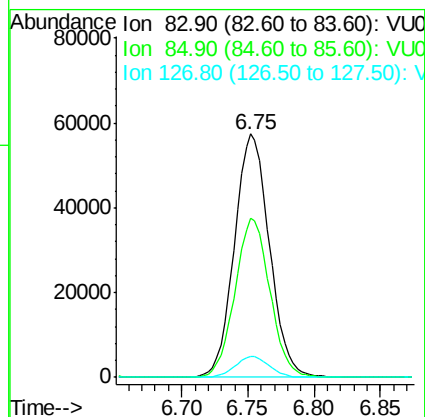
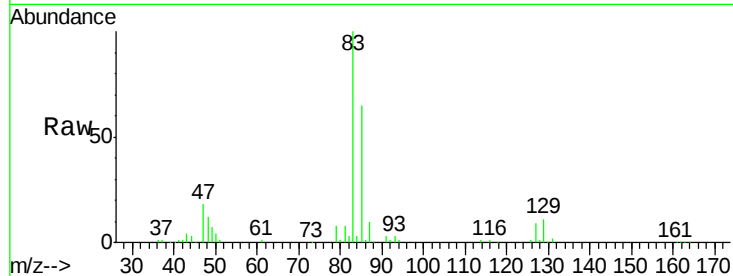




#47
Bromodichloromethane
Concen: 52.660 ug/l
RT: 6.75 min Scan# 1735
Delta R.T. -0.00 min
Lab File: VU029080.D
Acq: 09 Jan 2019 09:07

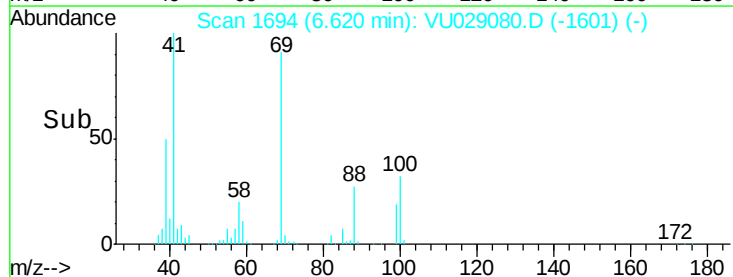
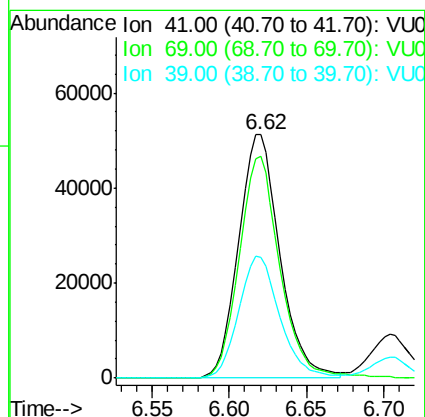
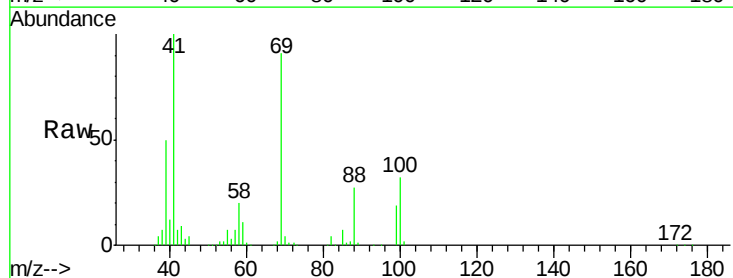
Instrument :
MSVOA_U
ClientSampleId :

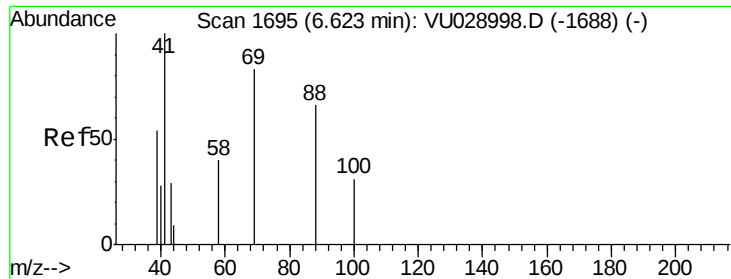
Tot Ion: 83 Resp: 105179
Ion Ratio Lower Upper
83 100
85 65.4 51.4 77.2
127 8.5 7.0 10.4



#48
Methyl methacrylate
Concen: 56.355 ug/l
RT: 6.62 min Scan# 1694
Delta R.T. 0.00 min
Lab File: VU029080.D
Acq: 09 Jan 2019 09:07

Tgt Ion: 41 Resp: 95187
Ion Ratio Lower Upper
41 100
69 89.7 73.6 110.4
39 49.6 39.6 59.4

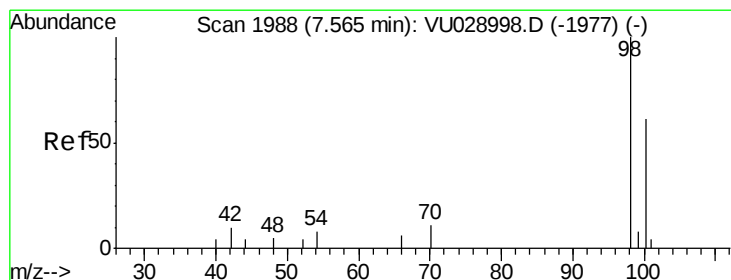
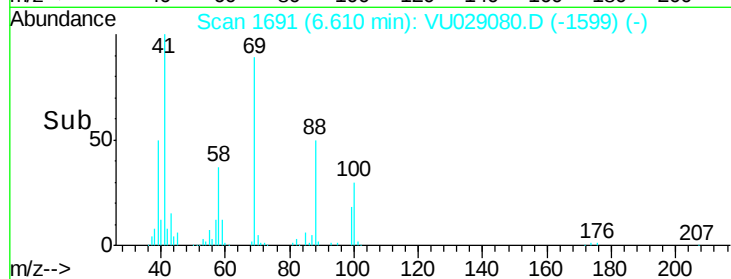
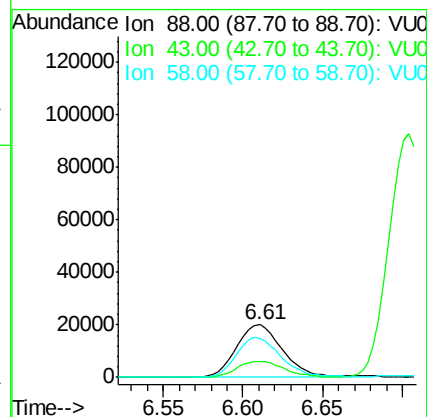
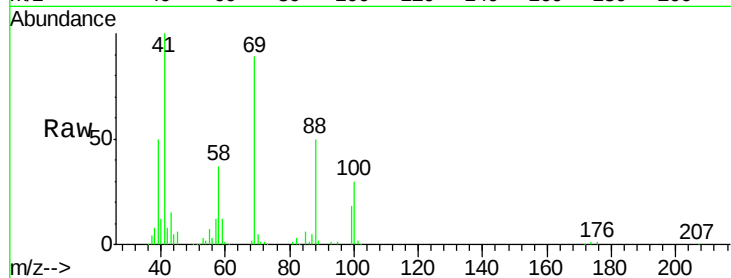




#49
1,4-Dioxane
Concen: 976.946 ug/l
RT: 6.61 min Scan# 1691
Delta R.T. -0.00 min
Lab File: VU029080.D
Acq: 09 Jan 2019 09:07

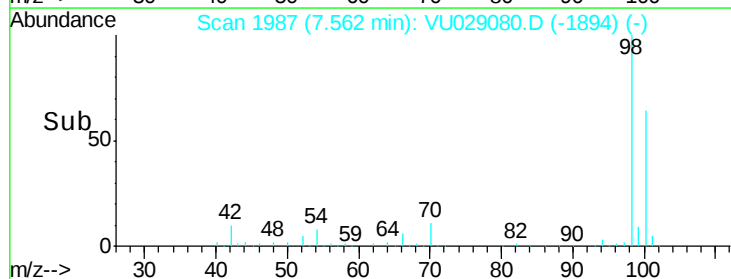
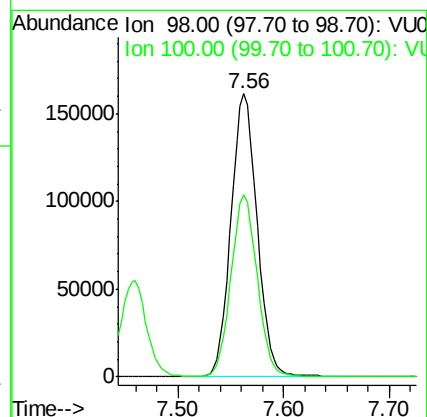
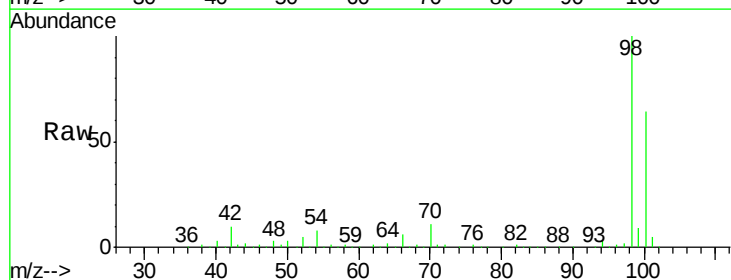
Instrument :
MSVOA_U
ClientSampleId :

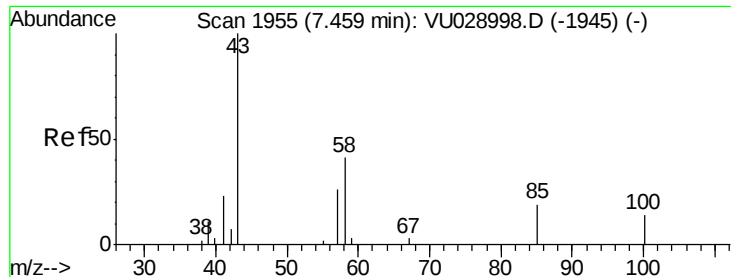
Tot Ion: 88 Resp: 39105
Ion Ratio Lower Upper
88 100
43 31.8 23.0 34.4
58 74.7 57.9 86.9



#50
Toluene-d8
Concen: 52.703 ug/l
RT: 7.56 min Scan# 1987
Delta R.T. 0.00 min
Lab File: VU029080.D
Acq: 09 Jan 2019 09:07

Tgt Ion: 98 Resp: 277978
Ion Ratio Lower Upper
98 100
100 63.7 51.6 77.4





#51

4-Methyl-2-Pentanone

Concen: 271.382 ug/l

RT: 7.46 min Scan# 1954

Delta R.T. -0.00 min

Lab File: VU029080.D

Acq: 09 Jan 2019 09:07

Instrument :

MSVOA_U

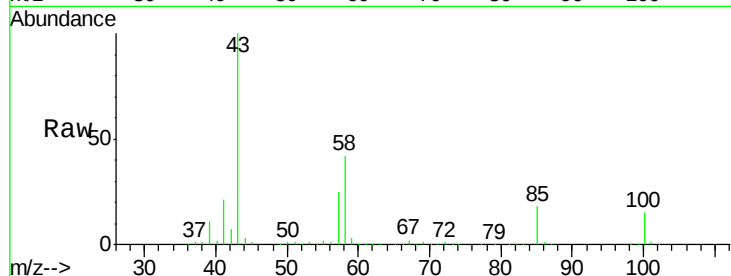
ClientSampleId :

Tot Ion: 43 Resp: 640656

Ion Ratio Lower Upper

43 100

58 41.9 33.9 50.9



Abundance Ion 43.00 (42.70 to 43.70): VU029080.D (-1862) (-)

Ion 58.00 (57.70 to 58.70): VU029080.D (-1862) (-)

7.46

400000

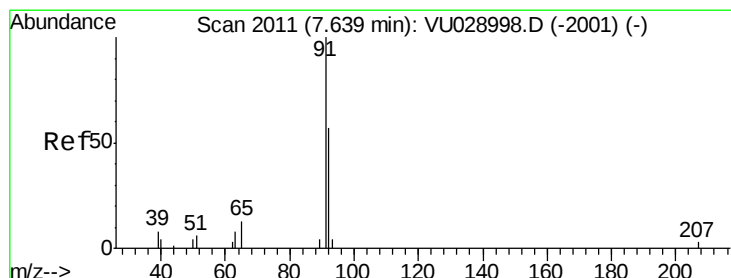
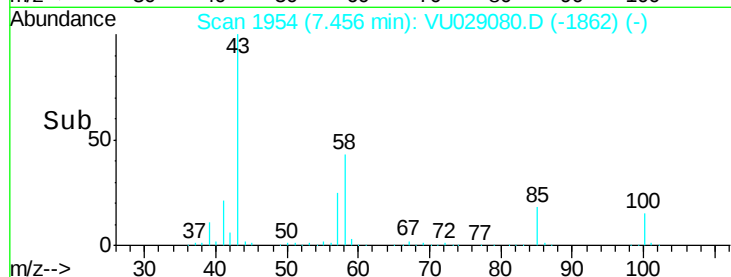
300000

200000

100000

0

Time-->



#52

Toluene

Concen: 51.293 ug/l

RT: 7.63 min Scan# 2009

Delta R.T. -0.00 min

Lab File: VU029080.D

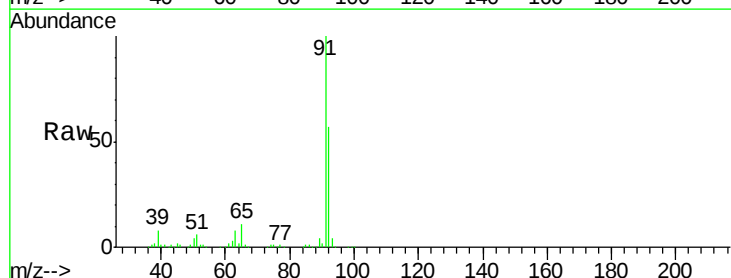
Acq: 09 Jan 2019 09:07

Tgt Ion: 92 Resp: 200656

Ion Ratio Lower Upper

92 100

91 174.7 139.8 209.8



Abundance Ion 92.00 (91.70 to 92.70): VU029080.D (-1917) (-)

Ion 91.00 (90.70 to 91.70): VU029080.D (-1917) (-)

7.63

200000

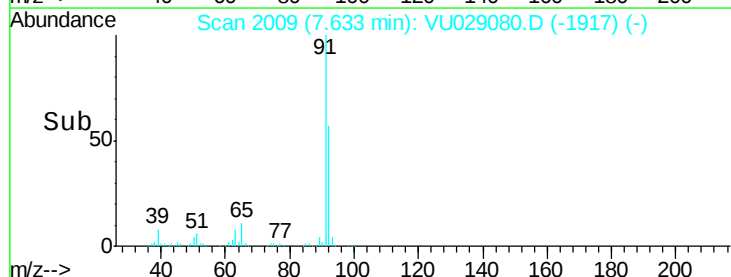
150000

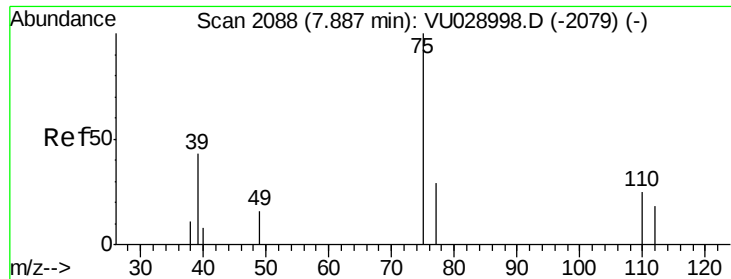
100000

50000

0

Time-->





#53

t-1,3-Dichloropropene

Concen: 51.234 ug/l

RT: 7.88 min Scan# 2085

Delta R.T. 0.00 min

Lab File: VU029080.D

Acq: 09 Jan 2019 09:07

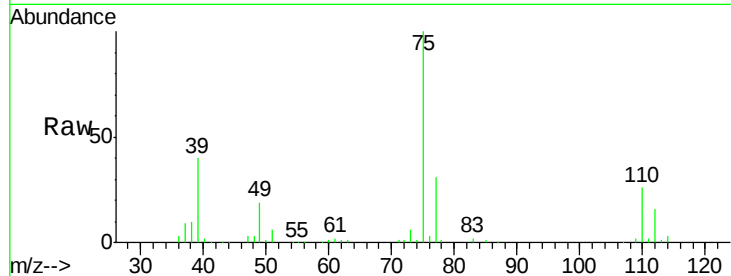
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 75 Resp: 122927

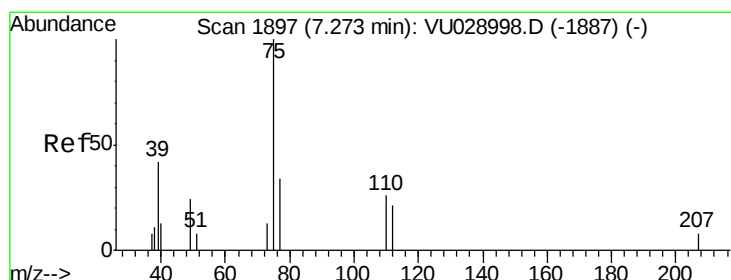
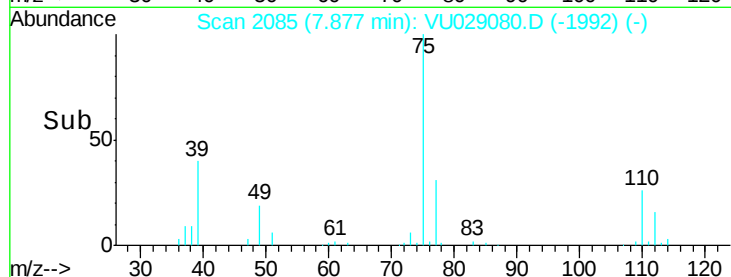
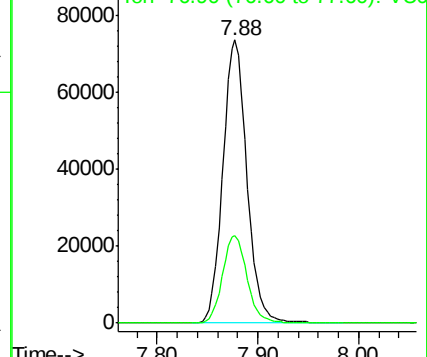
Ion Ratio Lower Upper

75 100

77 31.0 25.0 37.4



Abundance Ion 74.90 (74.60 to 75.60): VU0
Ion 76.90 (76.60 to 77.60): VU0



#54

cis-1,3-Dichloropropene

Concen: 51.802 ug/l

RT: 7.27 min Scan# 1895

Delta R.T. 0.00 min

Lab File: VU029080.D

Acq: 09 Jan 2019 09:07

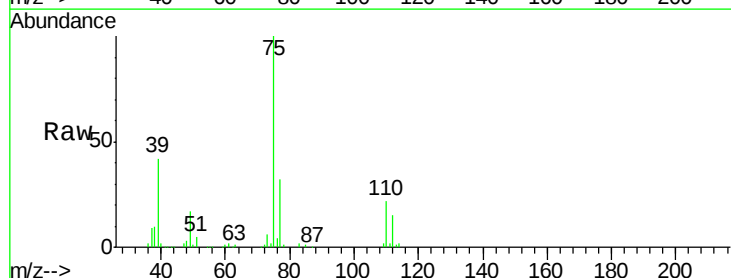
Tgt Ion: 75 Resp: 134302

Ion Ratio Lower Upper

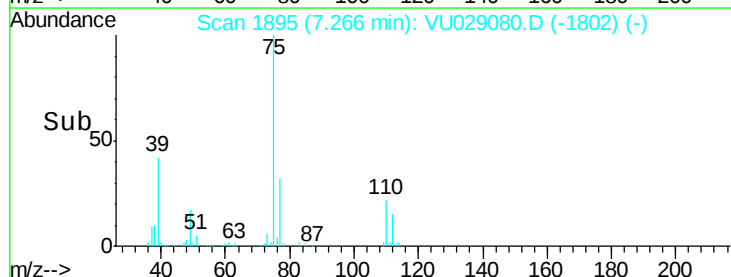
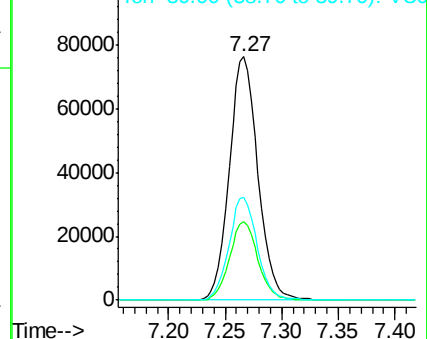
75 100

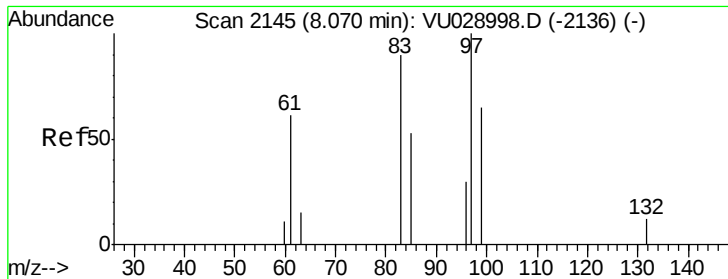
77 32.3 25.0 37.6

39 42.1 32.2 48.4



Abundance Ion 74.90 (74.60 to 75.60): VU0
Ion 76.90 (76.60 to 77.60): VU0
Ion 39.00 (38.70 to 39.70): VU0

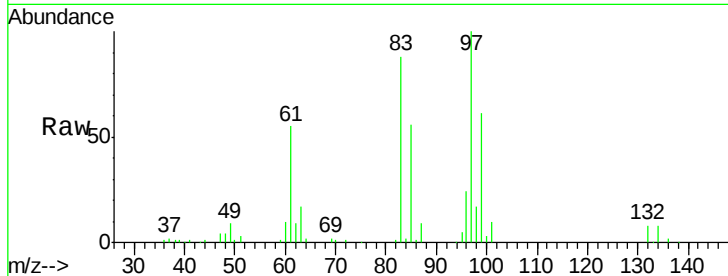




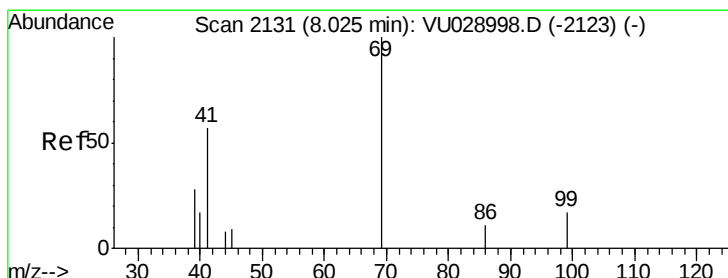
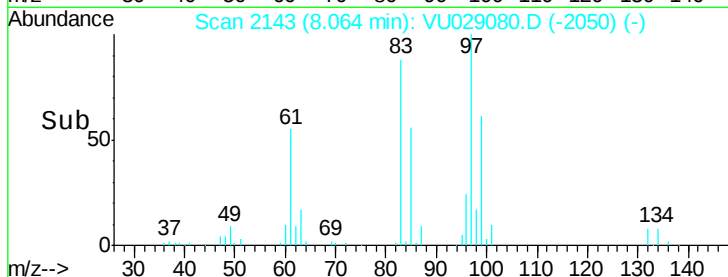
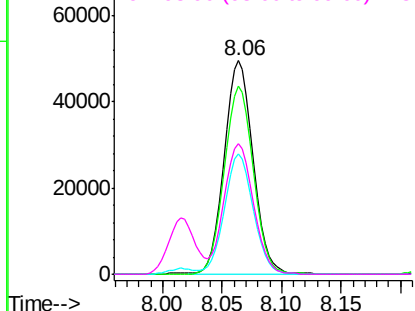
#55
 1,1,2-Trichloroethane
 Concen: 53.094 ug/l
 RT: 8.06 min Scan# 2143
 Delta R.T. 0.00 min
 Lab File: VU029080.D
 Acq: 09 Jan 2019 09:07

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion: 97 Resp: 83208
 Ion Ratio Lower Upper
 97 100
 83 87.9 69.8 104.8
 85 56.3 47.3 70.9
 99 61.3 49.7 74.5

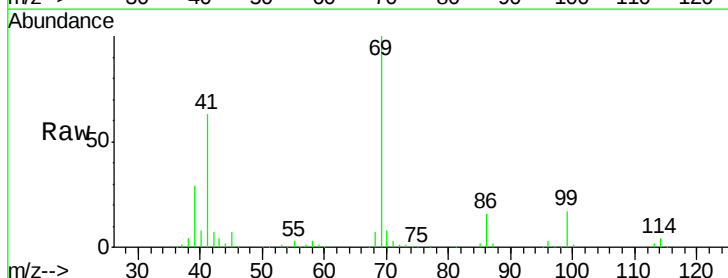


Abundance Ion 96.90 (96.60 to 97.60): VU0
 Ion 82.90 (82.60 to 83.60): VU0
 Ion 84.90 (84.60 to 85.60): VU0
 Ion 98.90 (98.60 to 99.60): VU0

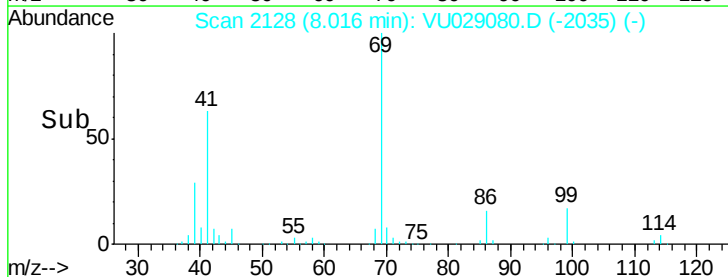
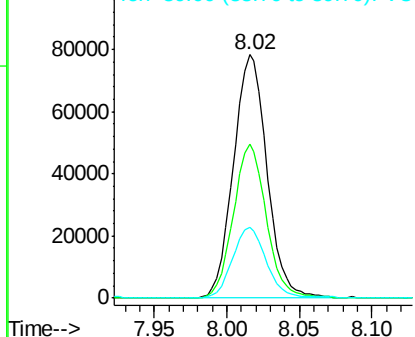


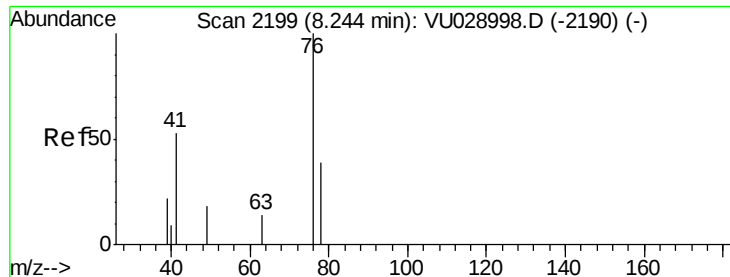
#56
 Ethyl methacrylate
 Concen: 52.086 ug/l
 RT: 8.02 min Scan# 2128
 Delta R.T. 0.00 min
 Lab File: VU029080.D
 Acq: 09 Jan 2019 09:07

Tgt Ion: 69 Resp: 125758
 Ion Ratio Lower Upper
 69 100
 41 62.1 47.5 71.3
 39 29.1 22.5 33.7



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

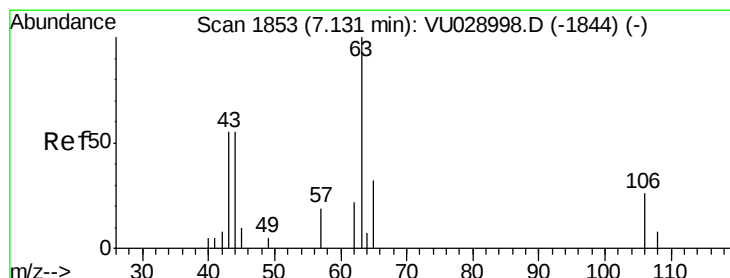
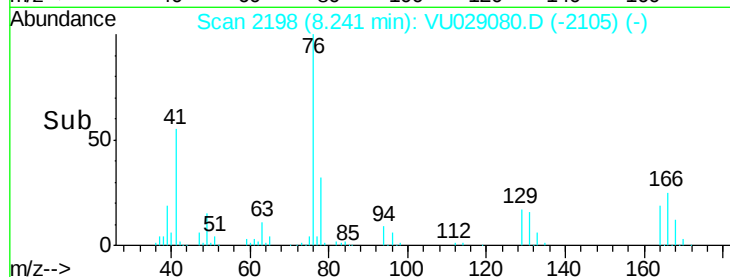
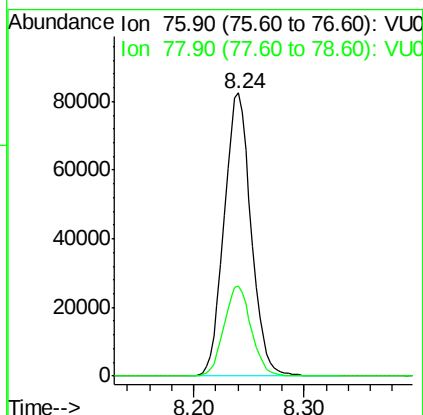
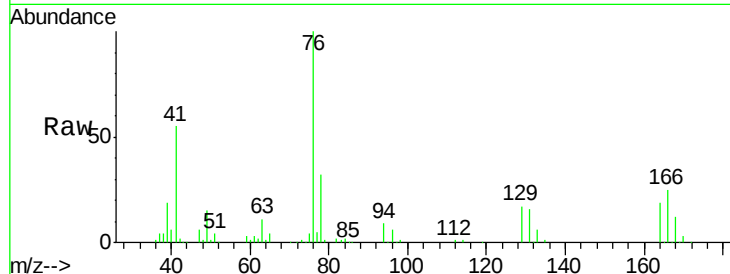




#57
 1,3-Dichloropropane
 Concen: 52.092 ug/l
 RT: 8.24 min Scan# 2198
 Delta R.T. 0.00 min
 Lab File: VU029080.D
 Acq: 09 Jan 2019 09:07

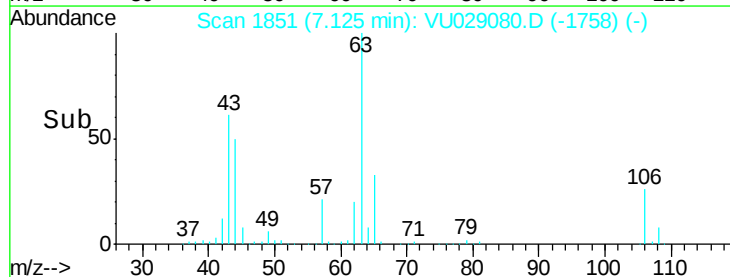
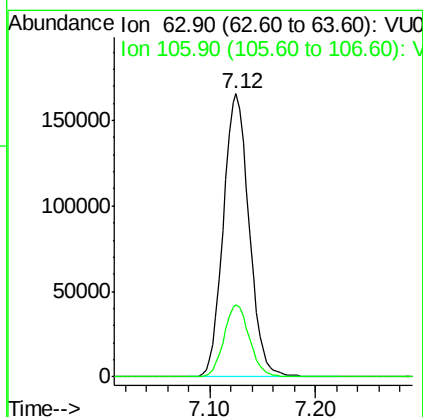
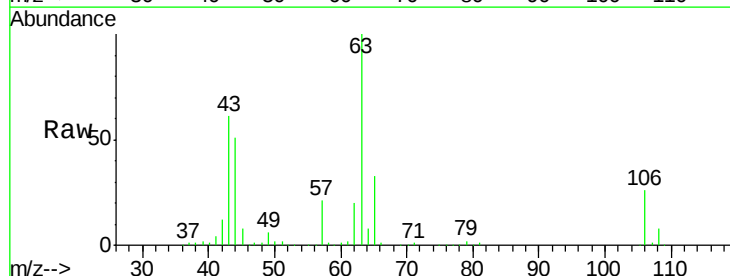
Instrument :
 MSVOA_U
 ClientSampleId :

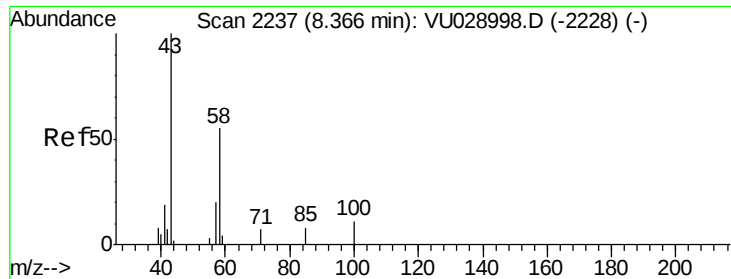
Tot Ion: 76 Resp: 139693
 Ion Ratio Lower Upper
 76 100
 78 32.1 26.0 39.0



#58
 2-Chloroethyl Vinyl ether
 Concen: 264.033 ug/l
 RT: 7.12 min Scan# 1851
 Delta R.T. 0.00 min
 Lab File: VU029080.D
 Acq: 09 Jan 2019 09:07

Tgt Ion: 63 Resp: 280356
 Ion Ratio Lower Upper
 63 100
 106 25.2 20.6 31.0

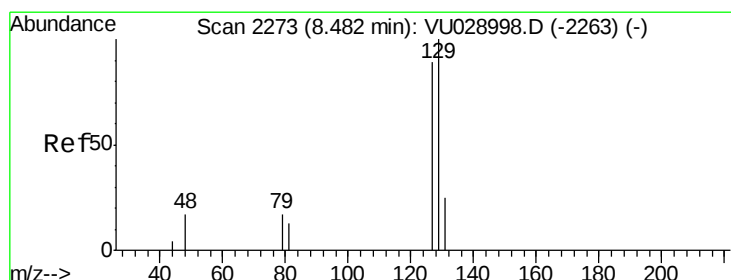
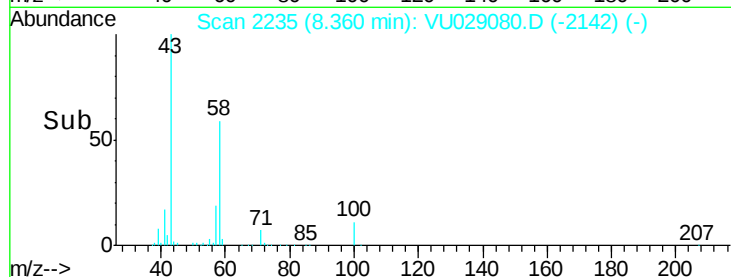
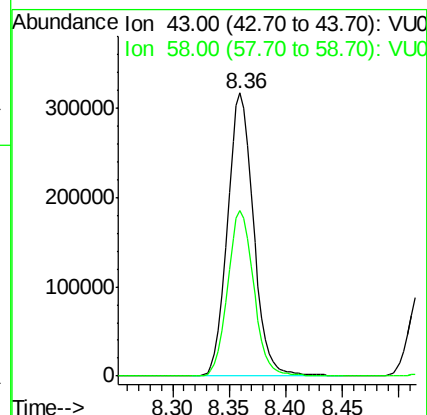
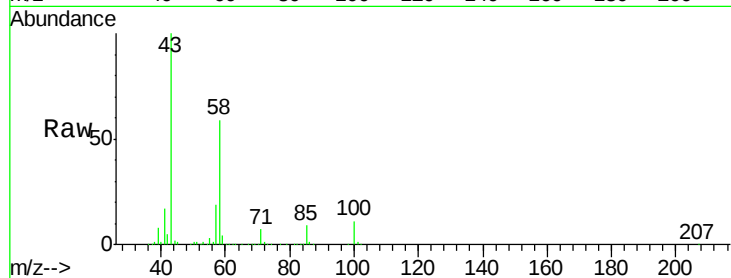




#59
2-Hexanone
Concen: 274.084 ug/l
RT: 8.36 min Scan# 2235
Delta R.T. 0.00 min
Lab File: VU029080.D
Acq: 09 Jan 2019 09:07

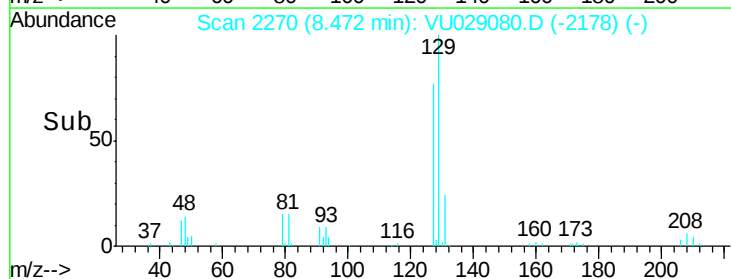
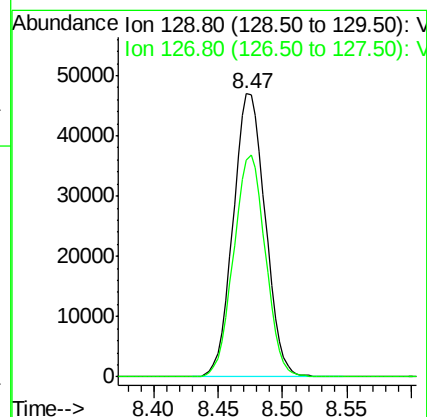
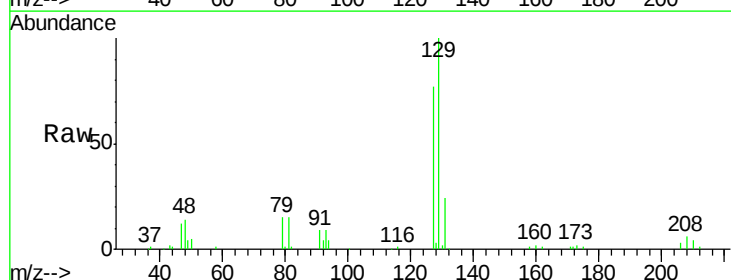
Instrument :
MSVOA_U
ClientSampleId :

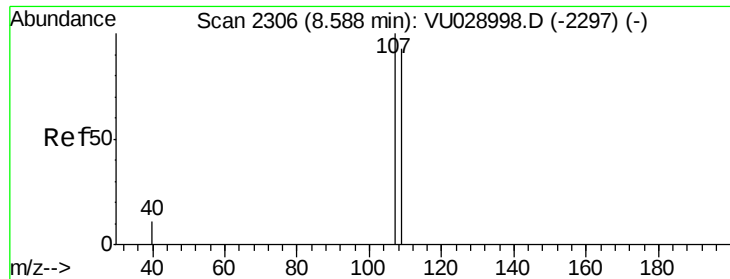
Tot Ion: 43 Resp: 507899
Ion Ratio Lower Upper
43 100
58 58.8 29.8 89.4



#60
Dibromochloromethane
Concen: 52.510 ug/l
RT: 8.47 min Scan# 2270
Delta R.T. -0.00 min
Lab File: VU029080.D
Acq: 09 Jan 2019 09:07

Tgt Ion: 129 Resp: 81529
Ion Ratio Lower Upper
129 100
127 77.2 38.0 114.0





#61

1,2-Dibromoethane

Concen: 51.535 ug/l

RT: 8.58 min Scan# 2305

Delta R.T. 0.00 min

Lab File: VU029080.D

Acq: 09 Jan 2019 09:07

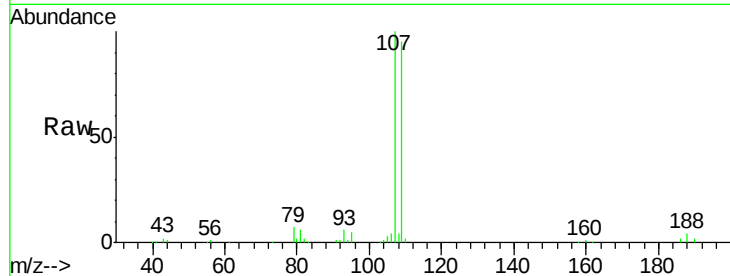
Instrument :
MSVOA_U
ClientSampled :

Tot Ion:107 Resp: 87594

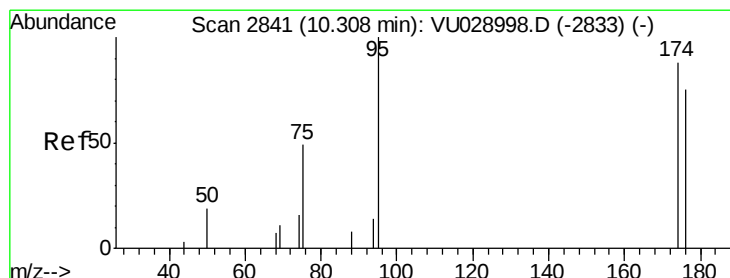
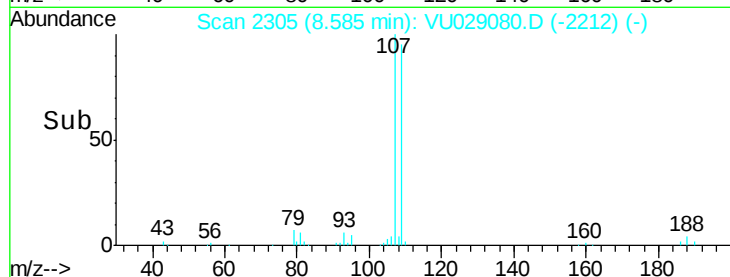
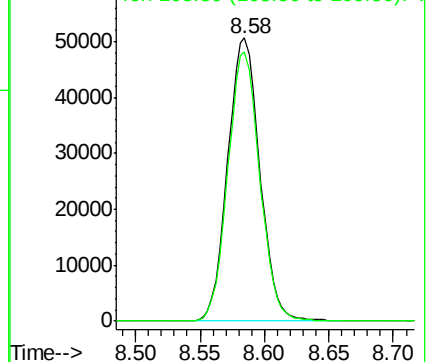
Ion Ratio Lower Upper

107 100

109 94.4 75.5 113.3



Abundance Ion 106.90 (106.60 to 107.60): V
Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 51.305 ug/l

RT: 10.30 min Scan# 2840

Delta R.T. 0.00 min

Lab File: VU029080.D

Acq: 09 Jan 2019 09:07

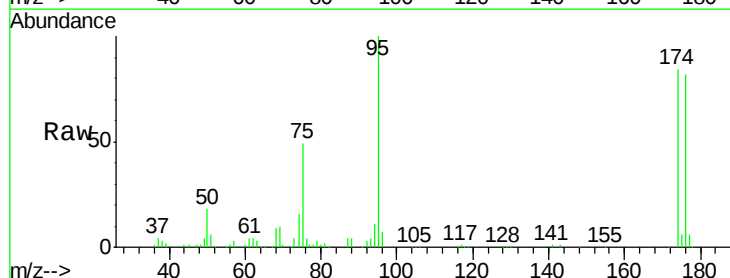
Tgt Ion: 95 Resp: 97250

Ion Ratio Lower Upper

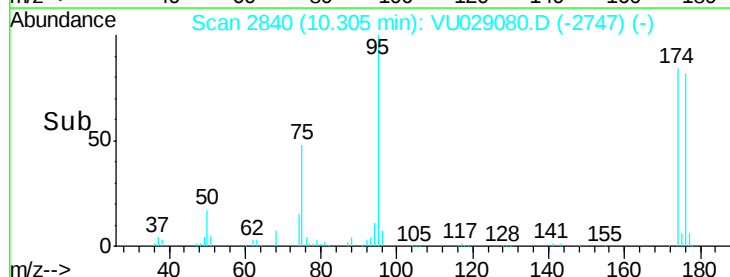
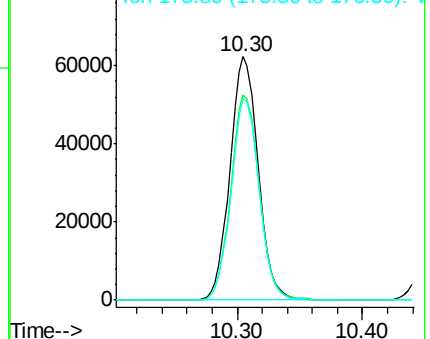
95 100

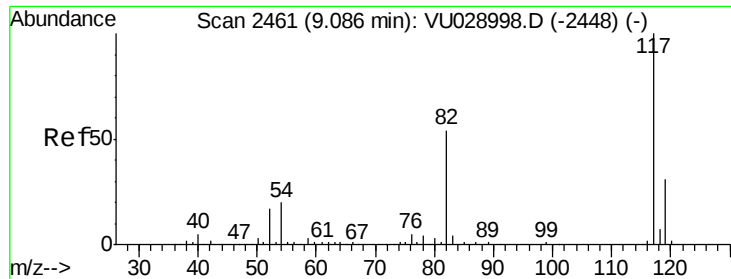
174 84.8 0.0 170.6

176 82.6 0.0 165.0



Abundance Ion 94.90 (94.60 to 95.60): VU0
Ion 173.80 (173.50 to 174.50): V
Ion 175.80 (175.50 to 176.50): V

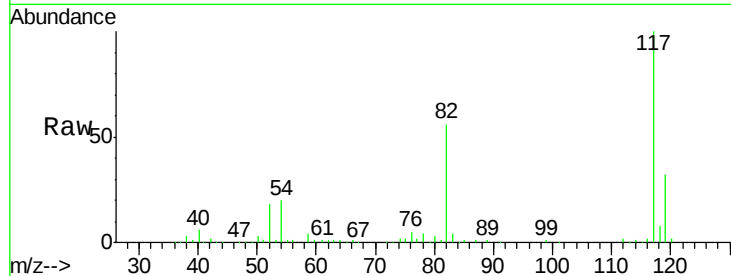




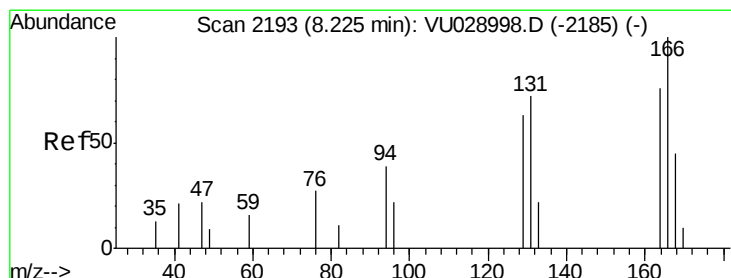
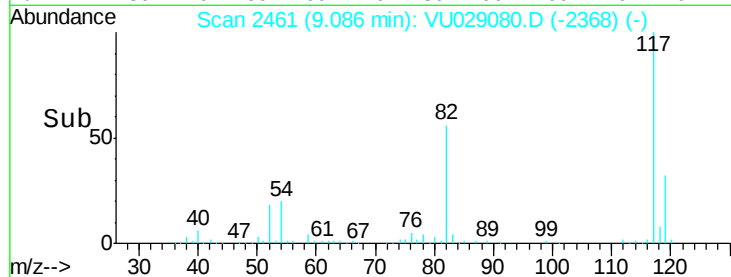
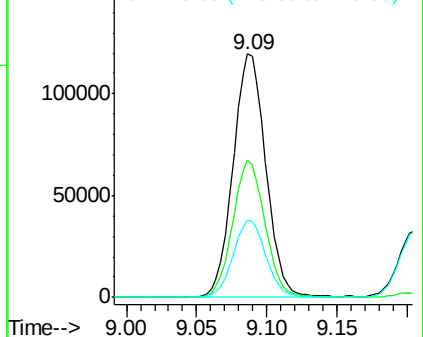
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.09 min Scan# 2461
Delta R.T. 0.00 min
Lab File: VU029080.D
Acq: 09 Jan 2019 09:07

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion:117 Resp: 194738
Ion Ratio Lower Upper
117 100
82 56.3 43.9 65.9
119 31.7 26.0 39.0

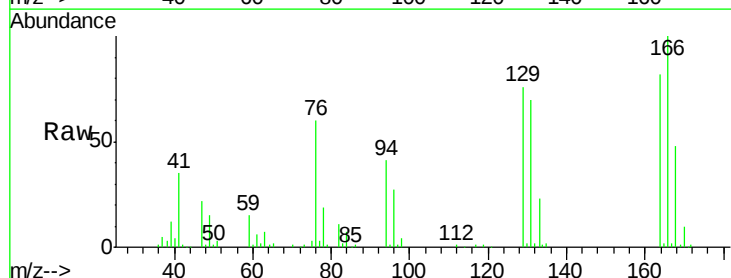


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

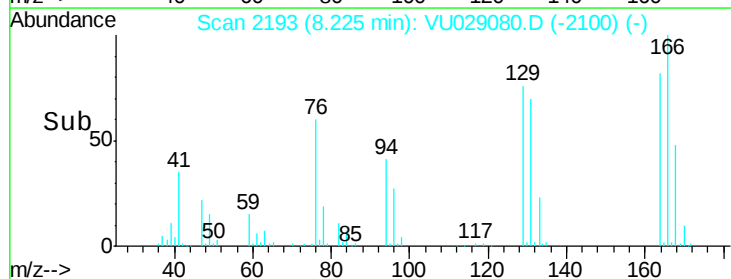
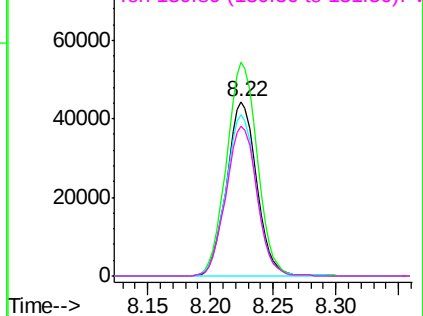


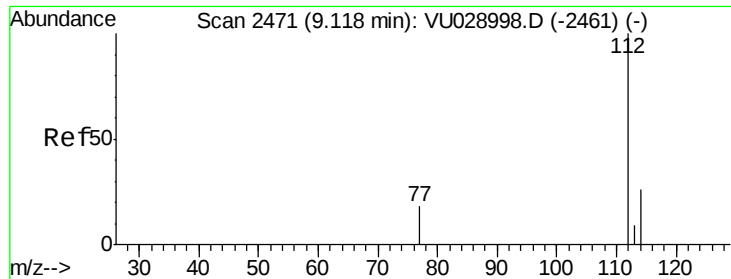
#64
Tetrachloroethene
Concen: 52.454 ug/l
RT: 8.22 min Scan# 2193
Delta R.T. 0.00 min
Lab File: VU029080.D
Acq: 09 Jan 2019 09:07

Tgt Ion:164 Resp: 73583
Ion Ratio Lower Upper
164 100
166 122.3 99.4 149.0
129 92.6 70.5 105.7
131 85.8 69.0 103.6



Abundance Ion 163.80 (163.50 to 164.50): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V

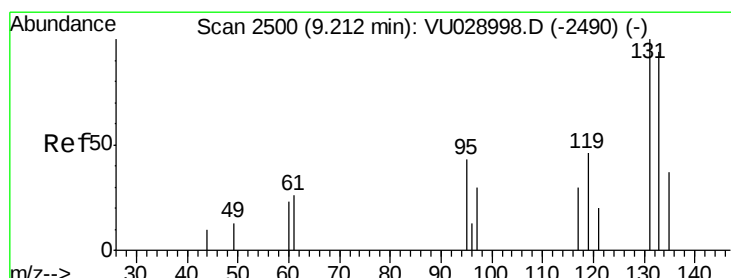
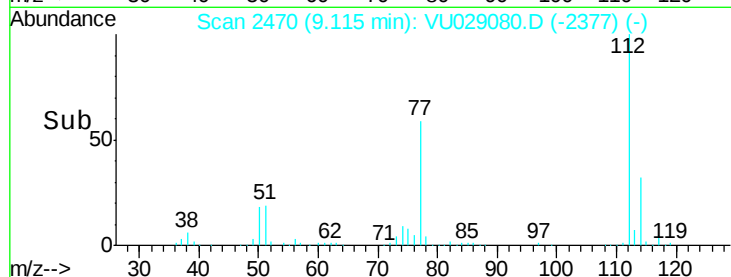
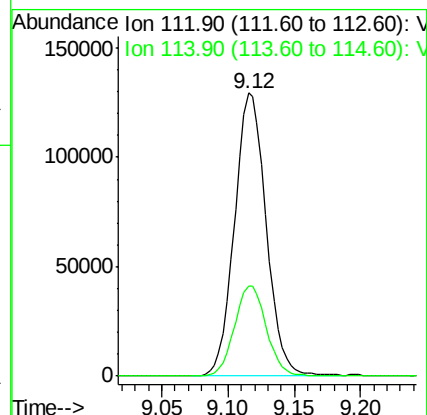
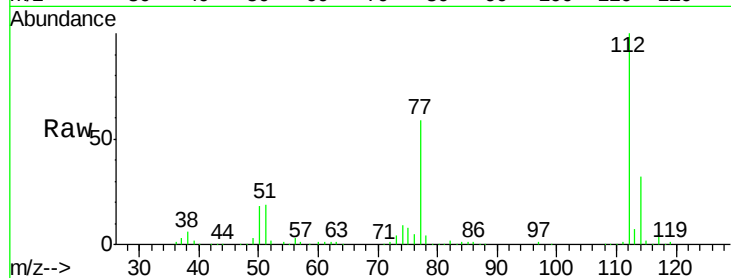




#65
Chlorobenzene
Concen: 49.261 ug/l
RT: 9.12 min Scan# 2470
Delta R.T. 0.00 min
Lab File: VU029080.D
Acq: 09 Jan 2019 09:07

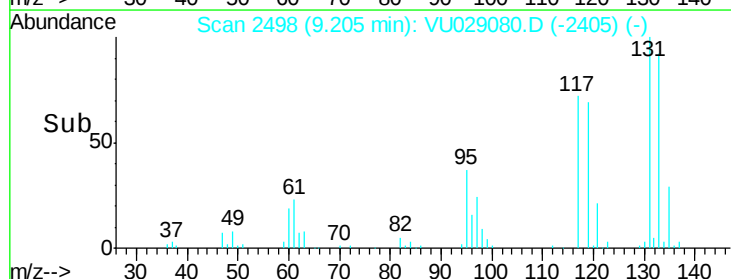
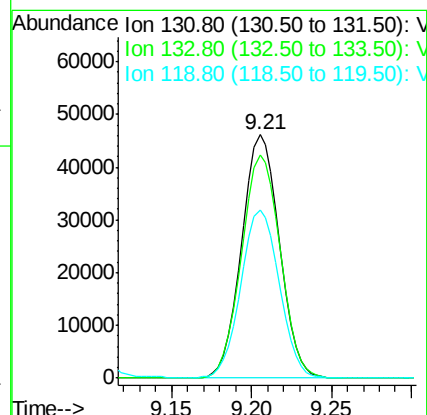
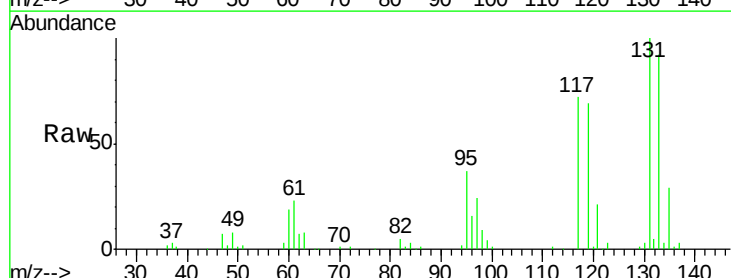
Instrument :
MSVOA_U
ClientSampleId :

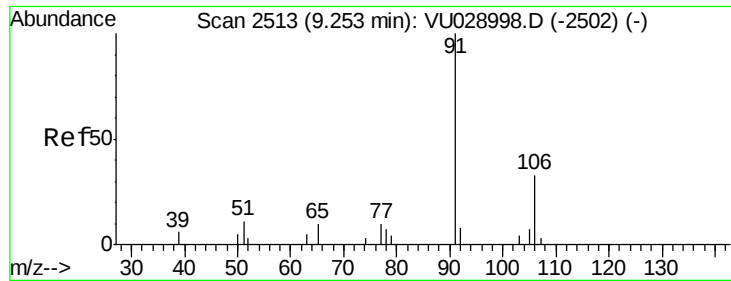
Tot Ion:112 Resp: 215031
Ion Ratio Lower Upper
112 100
114 31.9 25.0 37.6



#66
1,1,1,2-Tetrachloroethane
Concen: 52.273 ug/l
RT: 9.21 min Scan# 2498
Delta R.T. 0.00 min
Lab File: VU029080.D
Acq: 09 Jan 2019 09:07

Tgt Ion:131 Resp: 74049
Ion Ratio Lower Upper
131 100
133 94.6 48.2 144.6
119 70.7 35.4 106.3

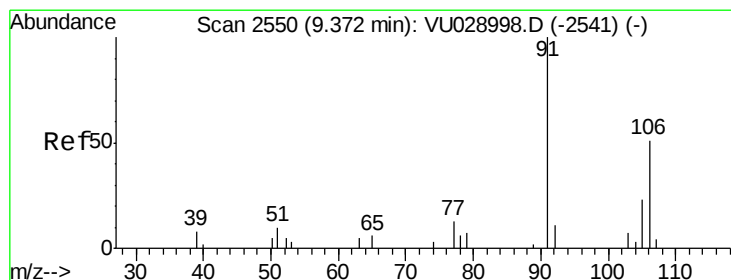
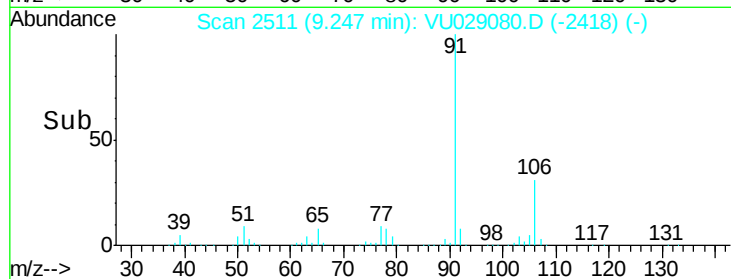
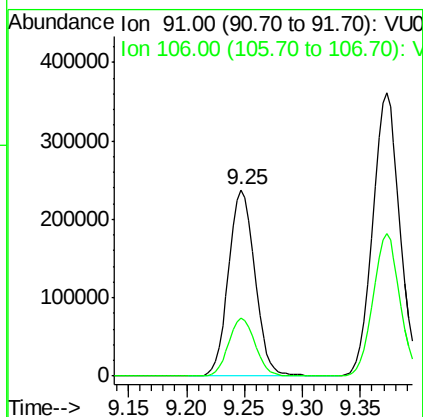
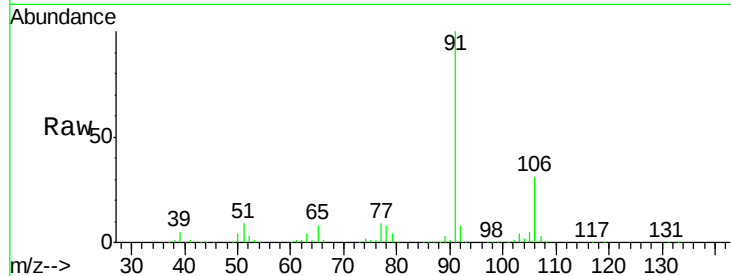




#67
Ethyl Benzene
Concen: 51.690 ug/l
RT: 9.25 min Scan# 2511
Delta R.T. 0.00 min
Lab File: VU029080.D
Acq: 09 Jan 2019 09:07

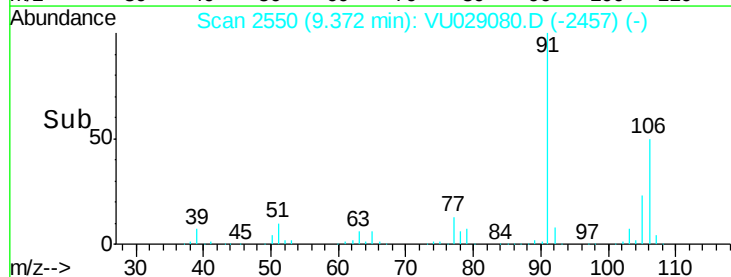
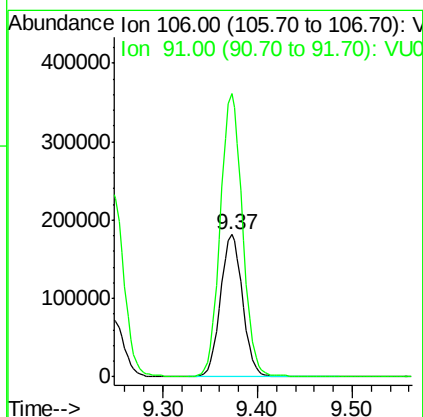
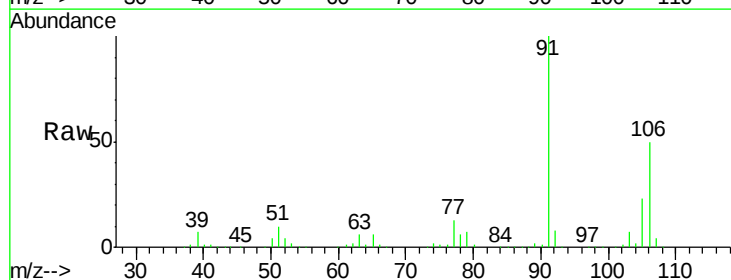
Instrument :
MSVOA_U
ClientSampled :

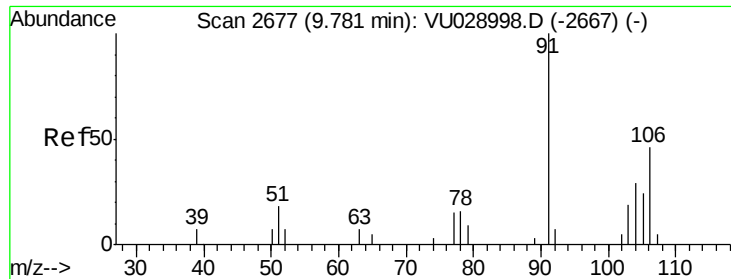
Tot Ion: 91 Resp: 376711
Ion Ratio Lower Upper
91 100
106 31.0 25.0 37.4



#68
m/p-Xylenes
Concen: 104.490 ug/l
RT: 9.37 min Scan# 2550
Delta R.T. 0.00 min
Lab File: VU029080.D
Acq: 09 Jan 2019 09:07

Tgt Ion: 106 Resp: 295882
Ion Ratio Lower Upper
106 100
91 199.2 161.7 242.5

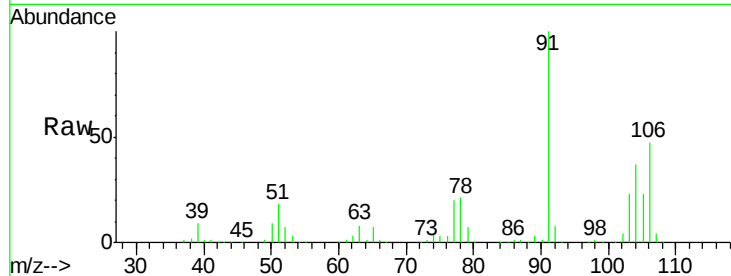




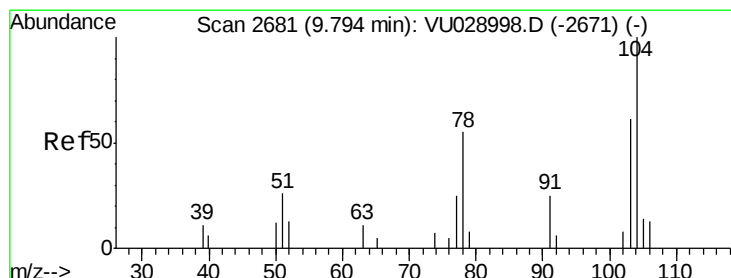
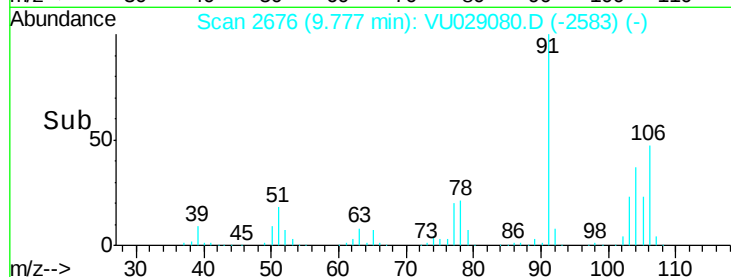
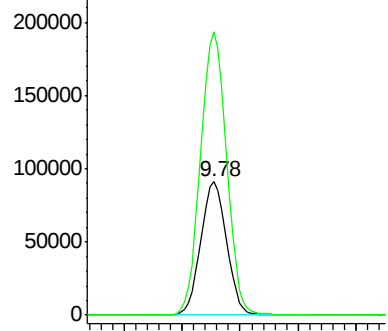
#69
o-Xylene
Concen: 51.297 ug/l
RT: 9.78 min Scan# 2676
Delta R.T. 0.00 min
Lab File: VU029080.D
Acq: 09 Jan 2019 09:07

Instrument :
MSVOA_U
ClientSampled :

Tot Ion:106 Resp: 139959
Ion Ratio Lower Upper
106 100
91 214.2 106.1 318.3

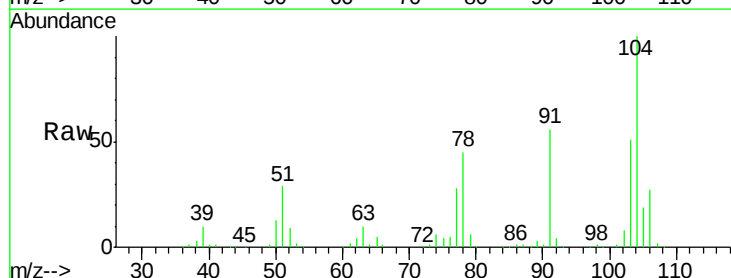


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VU0

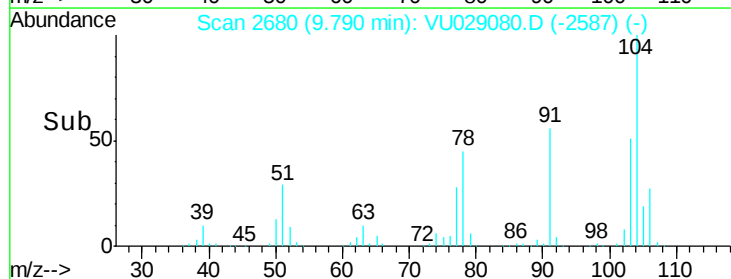
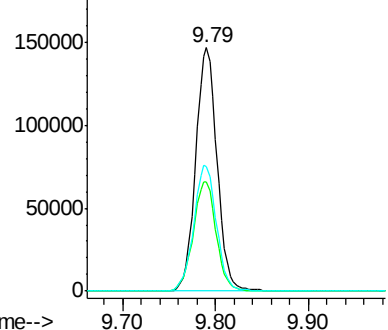


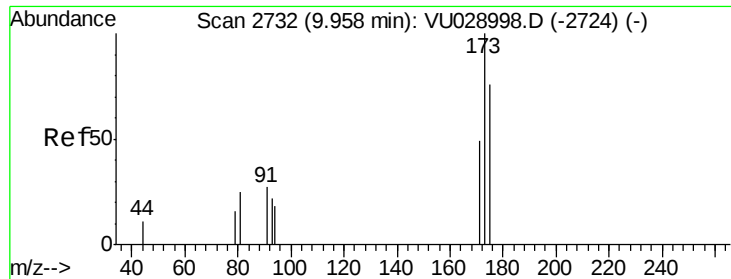
#70
Styrene
Concen: 52.400 ug/l
RT: 9.79 min Scan# 2680
Delta R.T. 0.00 min
Lab File: VU029080.D
Acq: 09 Jan 2019 09:07

Tgt Ion:104 Resp: 234377
Ion Ratio Lower Upper
104 100
78 48.3 38.6 58.0
103 55.1 44.5 66.7



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

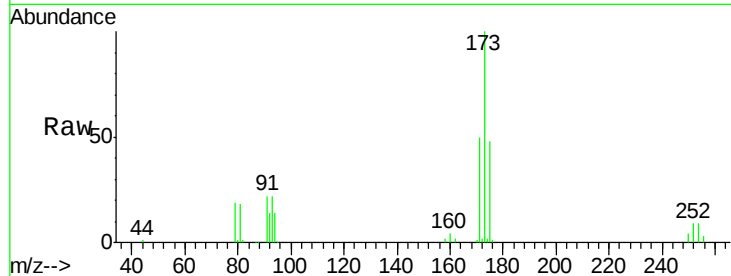




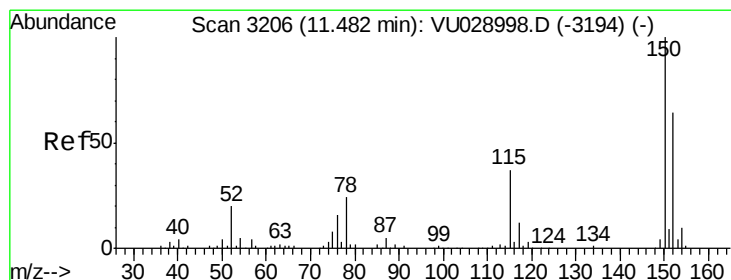
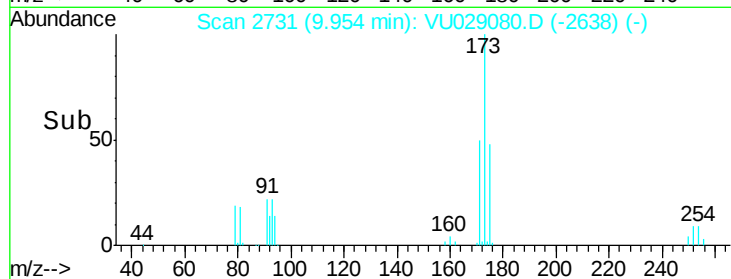
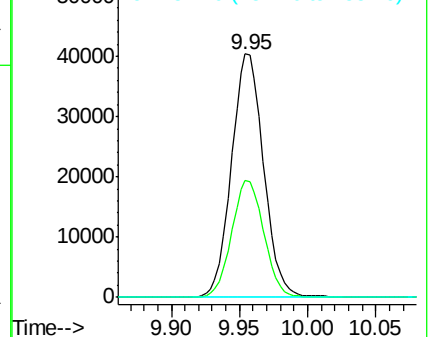
#71
Bromoform
Concen: 52.373 ug/l
RT: 9.95 min Scan# 2731
Delta R.T. 0.00 min
Lab File: VU029080.D
Acq: 09 Jan 2019 09:07

Instrument :
MSVOA_U
ClientSampled :

Tot Ion:173 Resp: 66060
Ion Ratio Lower Upper
173 100
175 48.0 23.8 71.2
254 0.0 0.0 0.0

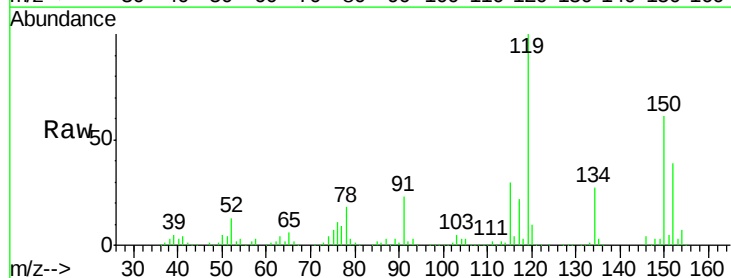


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

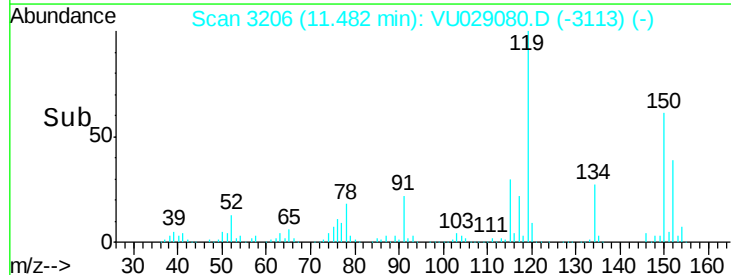
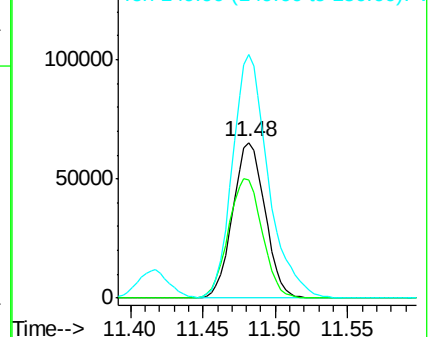


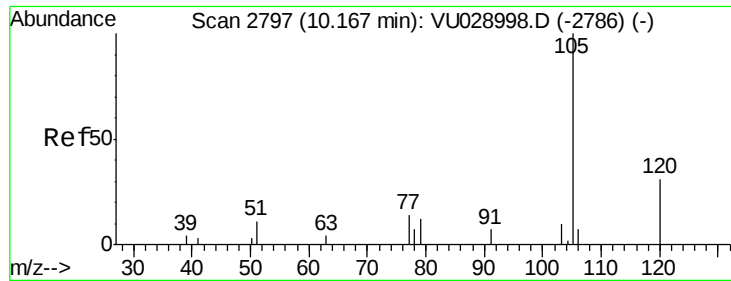
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.48 min Scan# 3206
Delta R.T. 0.00 min
Lab File: VU029080.D
Acq: 09 Jan 2019 09:07

Tgt Ion:152 Resp: 100288
Ion Ratio Lower Upper
152 100
115 81.1 40.1 120.3
150 173.6 0.0 345.2



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 50.012 ug/l

RT: 10.16 min Scan# 2796

Delta R.T. 0.00 min

Lab File: VU029080.D

Acq: 09 Jan 2019 09:07

Instrument :

MSVOA_U

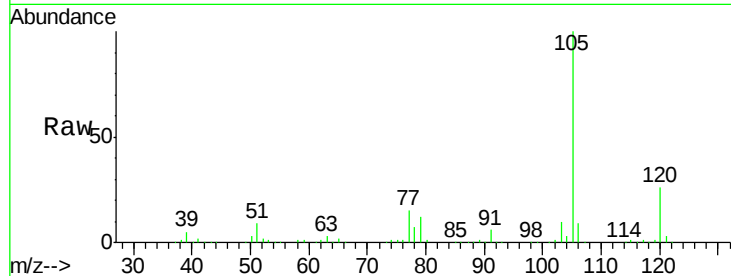
ClientSampleId :

Tot Ion:105 Resp: 371246

Ion Ratio Lower Upper

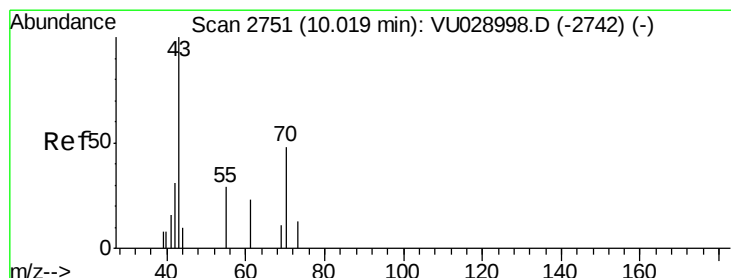
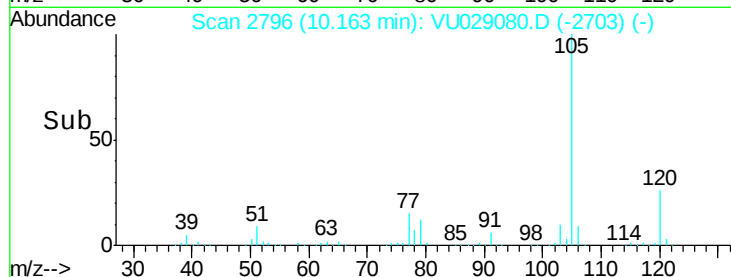
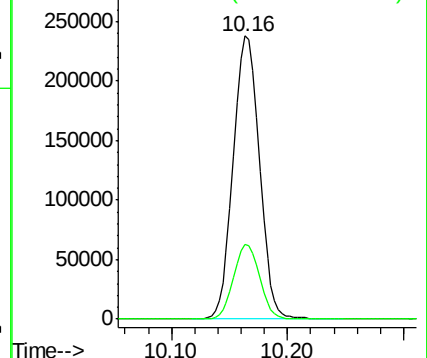
105 100

120 26.1 13.2 39.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 51.242 ug/l

RT: 10.01 min Scan# 2749

Delta R.T. 0.00 min

Lab File: VU029080.D

Acq: 09 Jan 2019 09:07

Tgt Ion: 43 Resp: 163907

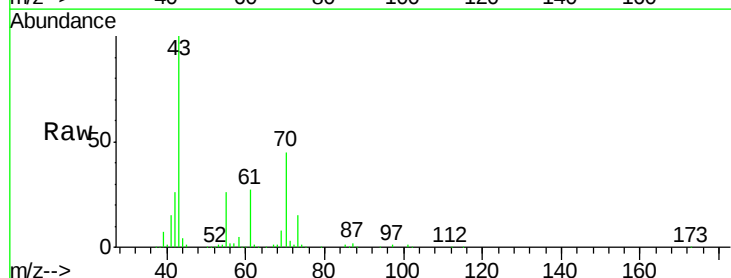
Ion Ratio Lower Upper

43 100

70 44.4 36.3 54.5

55 26.2 20.5 30.7

61 26.0 21.8 32.8

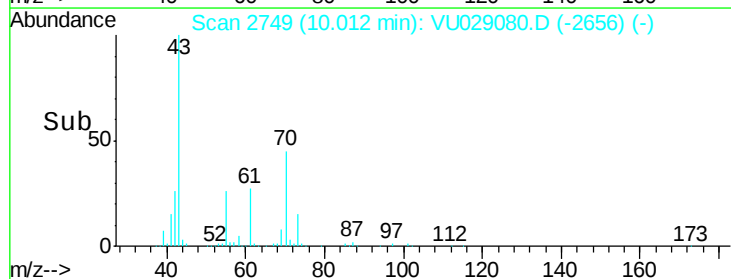
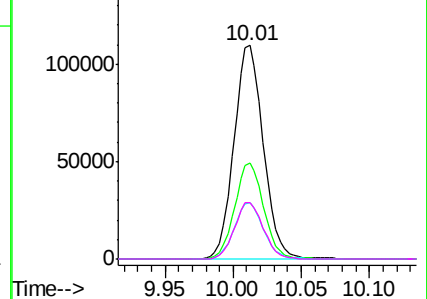


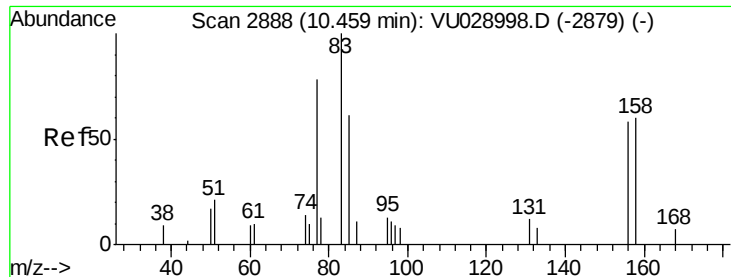
Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 70.00 (69.70 to 70.70): VU0

Ion 55.00 (54.70 to 55.70): VU0

Ion 61.00 (60.70 to 61.70): VU0





#75

1,1,2,2-Tetrachloroethane

Concen: 47.941 ug/l

RT: 10.46 min Scan# 2887

Delta R.T. 0.00 min

Lab File: VU029080.D

Acq: 09 Jan 2019 09:07

Instrument :

MSVOA_U

ClientSampled :

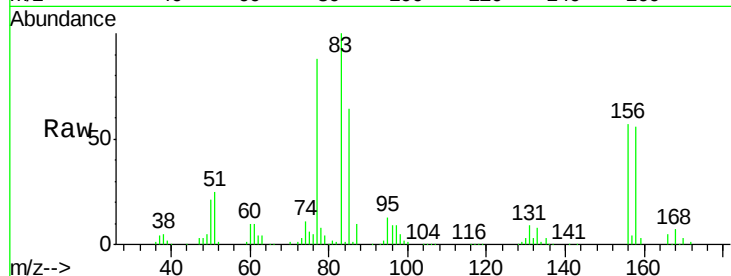
Tot Ion: 83 Resp: 142627

Ion Ratio Lower Upper

83 100

131 9.0 4.7 14.1

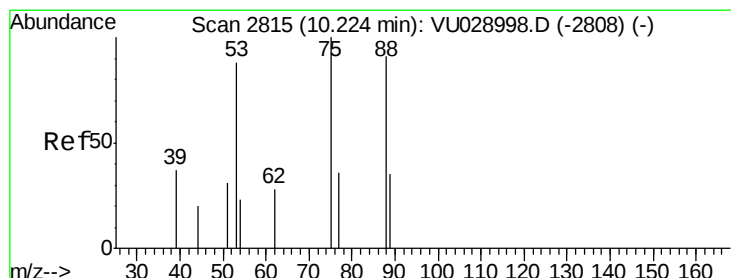
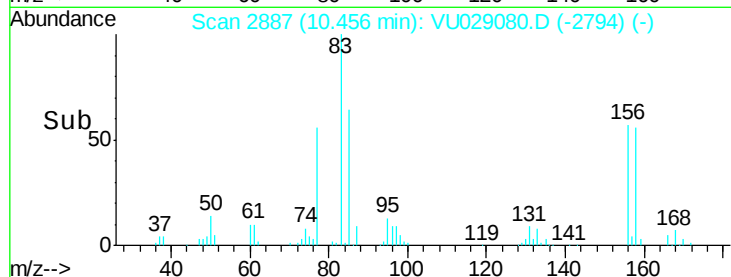
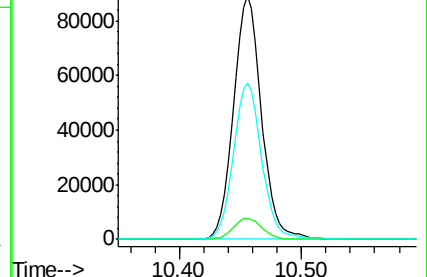
85 65.0 32.0 96.2



Abundance Ion 82.90 (82.60 to 83.60): VU028998.D (-2879) (-)

Ion 130.80 (130.50 to 131.50): VU028998.D (-2879) (-)

Ion 84.90 (84.60 to 85.60): VU028998.D (-2879) (-)



#76

1,2,3-Trichloropropane

Concen: 68.438 ug/l

RT: 10.49 min Scan# 2898

Delta R.T. 0.00 min

Lab File: VU029080.D

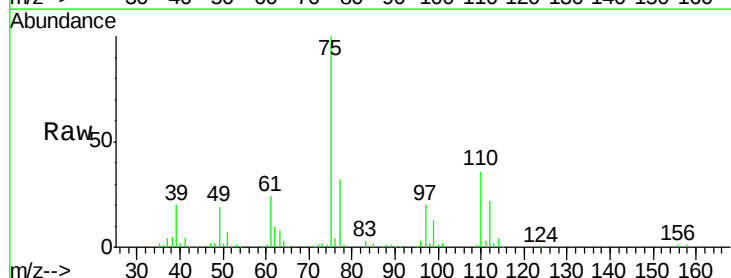
Acq: 09 Jan 2019 09:07

Tgt Ion: 75 Resp: 168166

Ion Ratio Lower Upper

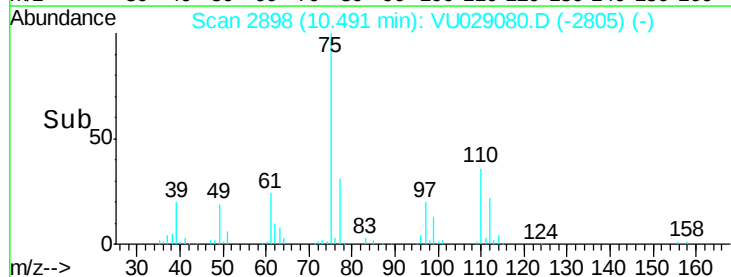
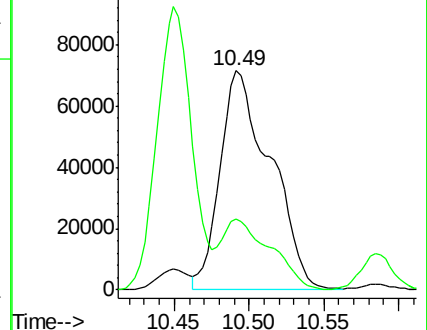
75 100

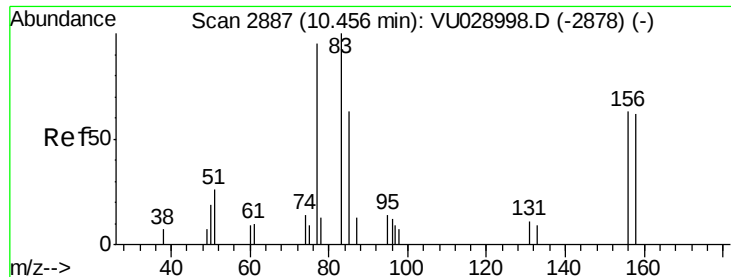
77 30.0 20.9 62.8



Abundance Ion 74.90 (74.60 to 75.60): VU028998.D (-2808) (-)

Ion 77.00 (76.70 to 77.70): VU028998.D (-2808) (-)





#77

Bromobenzene

Concen: 48.679 ug/l

RT: 10.45 min Scan# 2885

Delta R.T. 0.00 min

Lab File: VU029080.D

Acq: 09 Jan 2019 09:07

Instrument :

MSVOA_U

ClientSampleId :

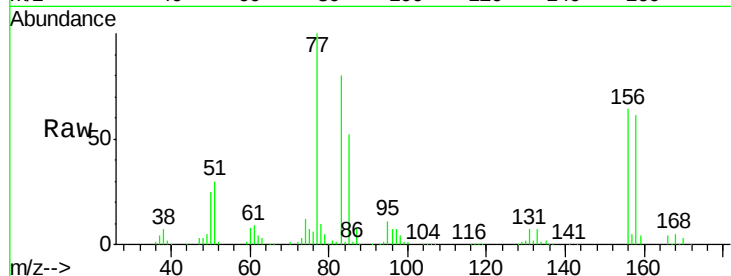
Tot Ion:156 Resp: 94166

Ion Ratio Lower Upper

156 100

77 158.6 79.0 237.2

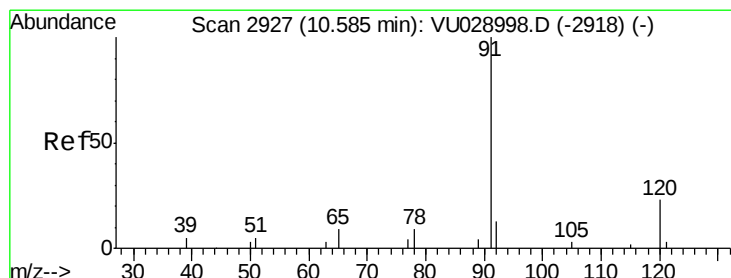
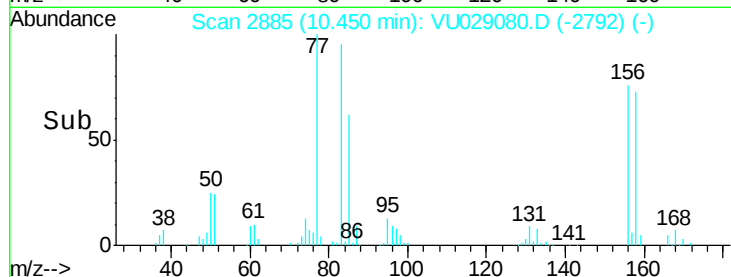
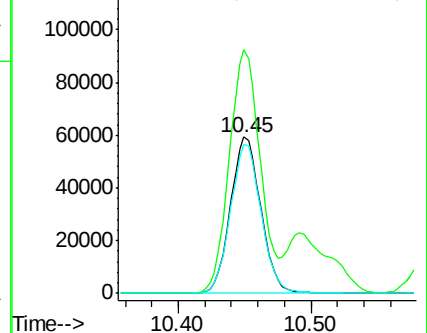
158 96.5 48.9 146.6



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VU0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 52.116 ug/l

RT: 10.58 min Scan# 2927

Delta R.T. 0.00 min

Lab File: VU029080.D

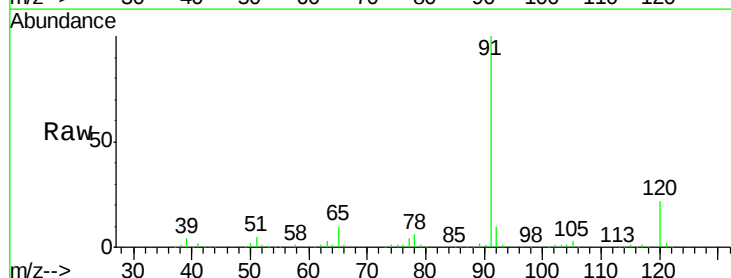
Acq: 09 Jan 2019 09:07

Tgt Ion: 91 Resp: 455908

Ion Ratio Lower Upper

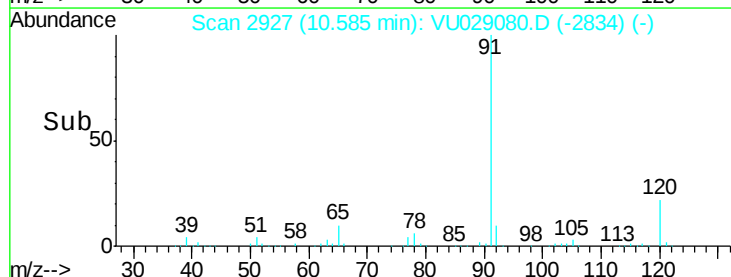
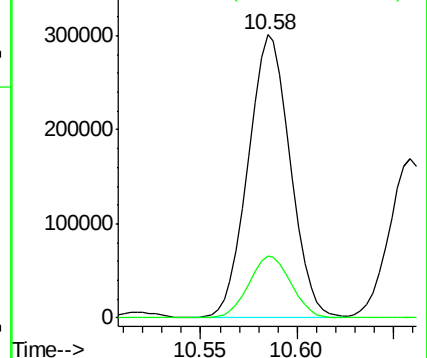
91 100

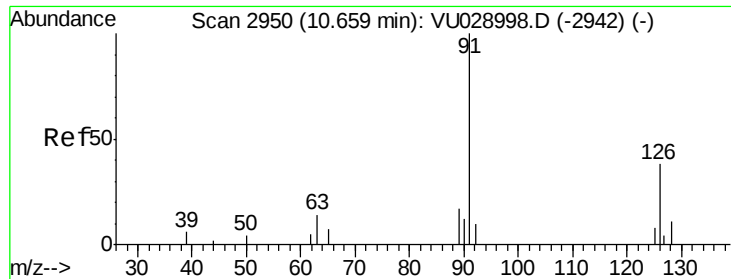
120 22.0 11.3 33.9



Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 120.00 (119.70 to 120.70): V

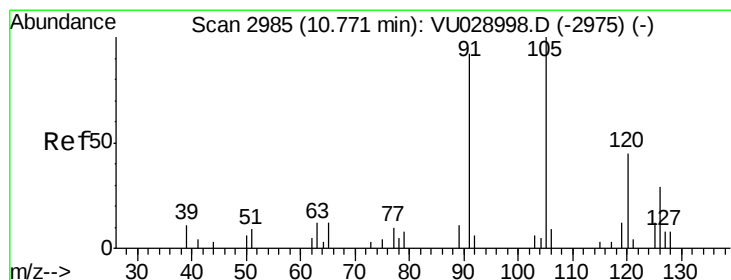
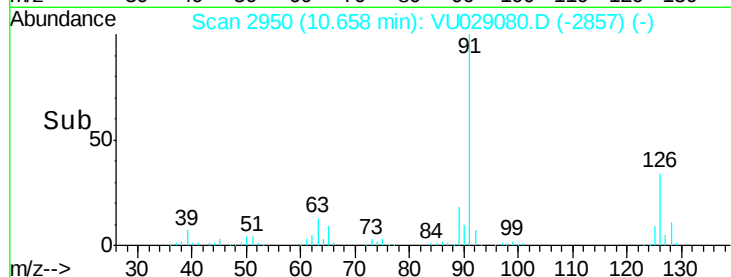
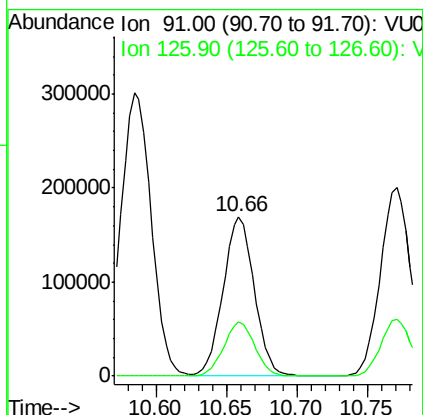
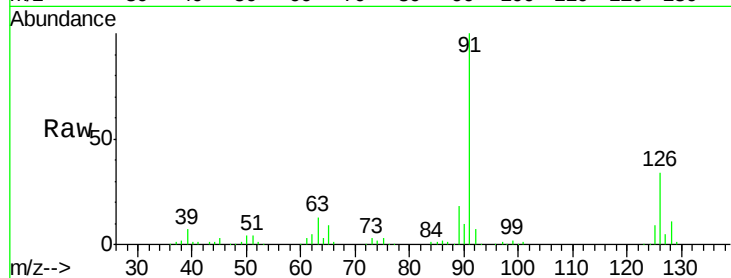




#79
 2-Chlorotoluene
 Concen: 49.659 ug/l
 RT: 10.66 min Scan# 2950
 Delta R.T. 0.00 min
 Lab File: VU029080.D
 Acq: 09 Jan 2019 09:07

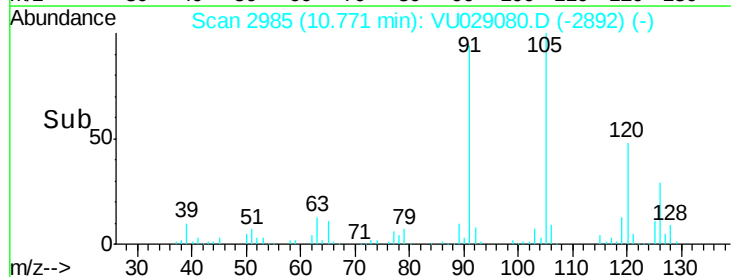
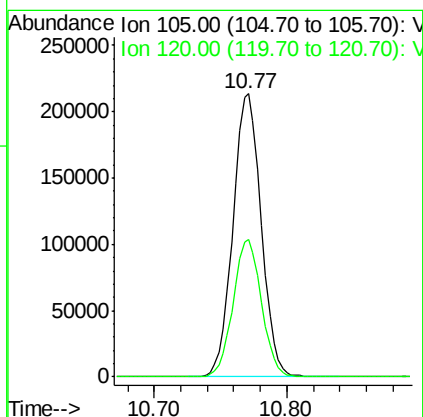
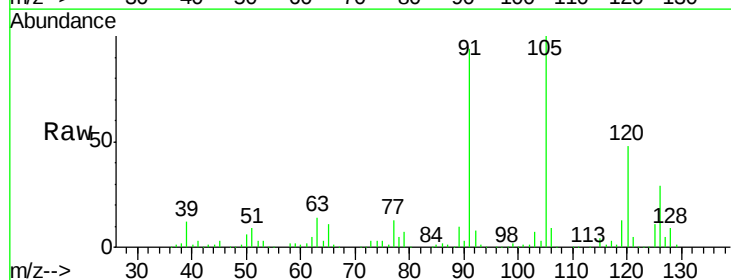
Instrument :
 MSVOA_U
 ClientSampleId :

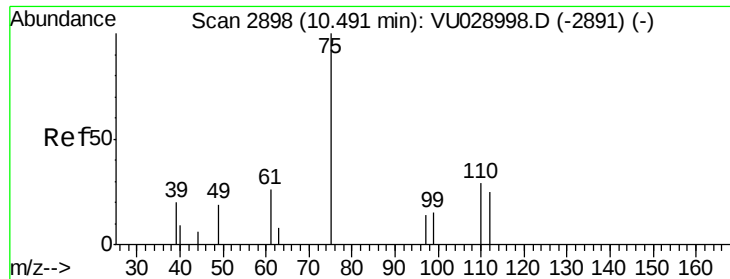
Tot Ion: 91 Resp: 263519
 Ion Ratio Lower Upper
 91 100
 126 33.7 16.8 50.4



#80
 1,3,5-Trimethylbenzene
 Concen: 50.869 ug/l
 RT: 10.77 min Scan# 2985
 Delta R.T. 0.00 min
 Lab File: VU029080.D
 Acq: 09 Jan 2019 09:07

Tgt Ion: 105 Resp: 315328
 Ion Ratio Lower Upper
 105 100
 120 48.8 24.8 74.4

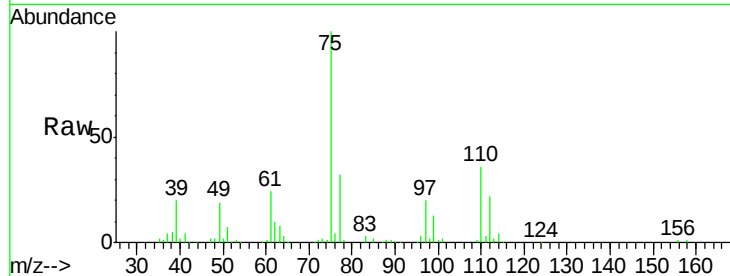




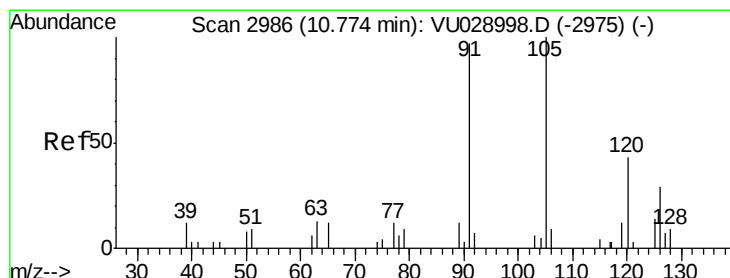
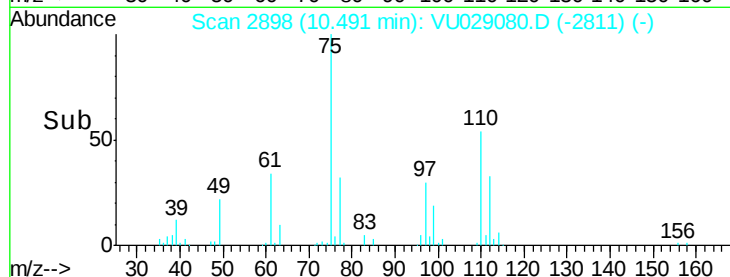
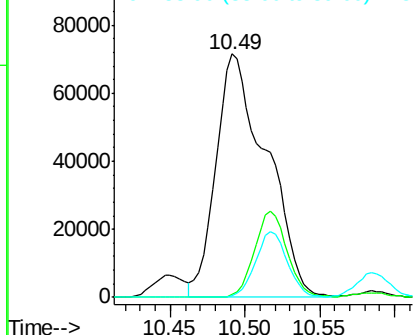
#81
trans-1,4-Dichloro-2-butene
Concen: 176.504 ug/l
RT: 10.49 min Scan# 2898
Delta R.T. -0.02 min
Lab File: VU029080.D
Acq: 09 Jan 2019 09:07

Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 75 Resp: 168166
Ion Ratio Lower Upper
75 100
53 0.0 0.0 0.0
89 0.0 0.0 0.0

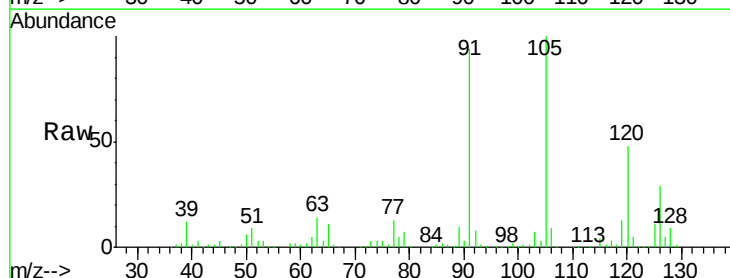


Abundance Ion 74.90 (74.60 to 75.60): VU0
Ion 53.00 (52.70 to 53.70): VU0
Ion 88.90 (88.60 to 89.60): VU0

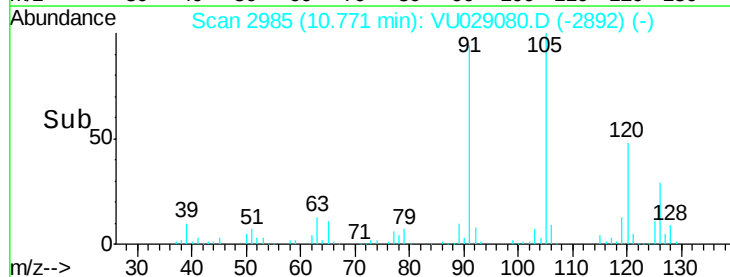
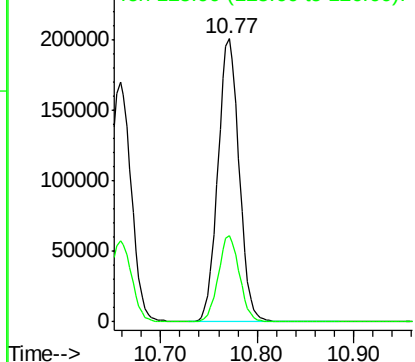


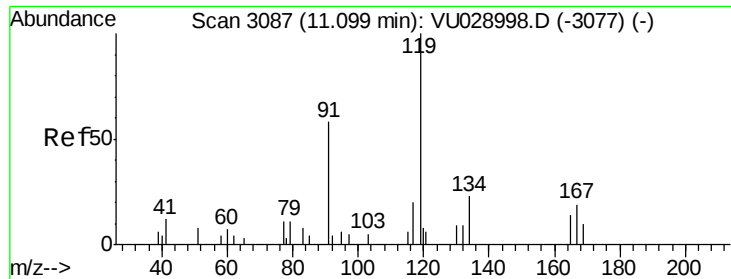
#82
4-Chlorotoluene
Concen: 50.321 ug/l
RT: 10.77 min Scan# 2985
Delta R.T. 0.00 min
Lab File: VU029080.D
Acq: 09 Jan 2019 09:07

Tgt Ion: 91 Resp: 306197
Ion Ratio Lower Upper
91 100
126 30.4 15.5 46.5



Abundance Ion 91.00 (90.70 to 91.70): VU0
Ion 125.90 (125.60 to 126.60): V

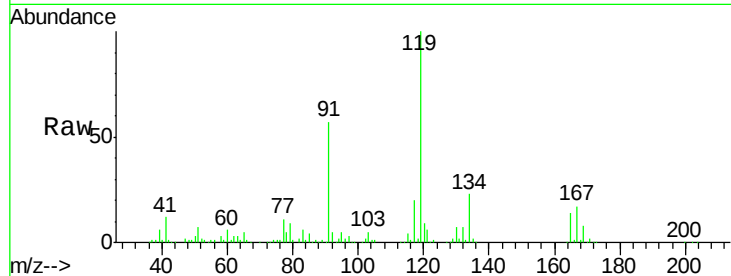




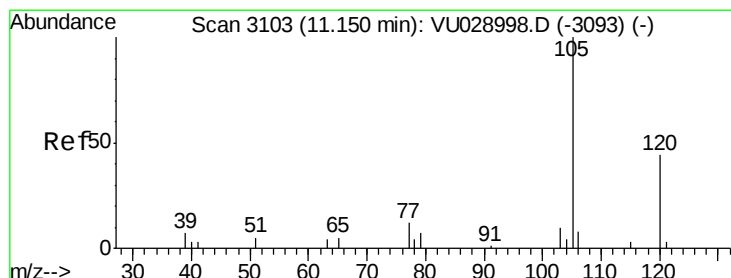
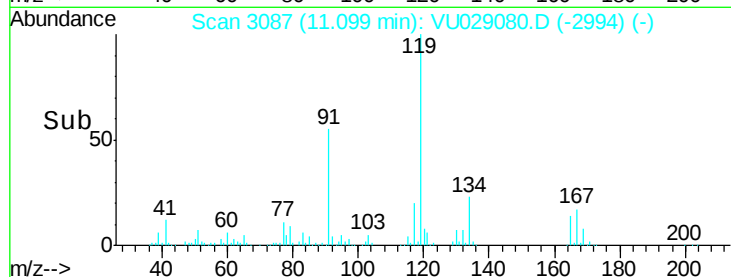
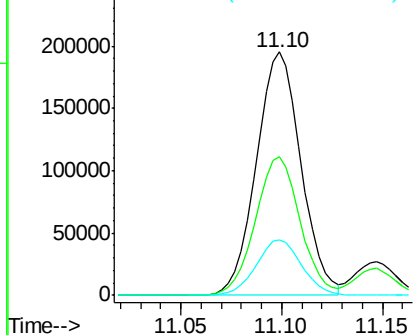
#83
tert-Butylbenzene
Concen: 49.344 ug/l
RT: 11.10 min Scan# 3087
Delta R.T. 0.00 min
Lab File: VU029080.D
Acq: 09 Jan 2019 09:07

Instrument :
MSVOA_U
ClientSampled :

Tot Ion:119 Resp: 301481
Ion Ratio Lower Upper
119 100
91 57.1 28.2 84.6
134 22.9 11.3 33.8

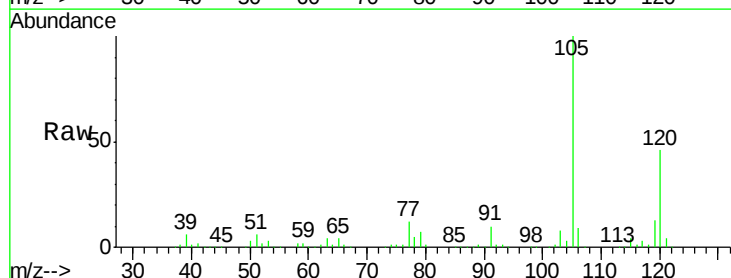


Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): V
Ion 134.00 (133.70 to 134.70): V

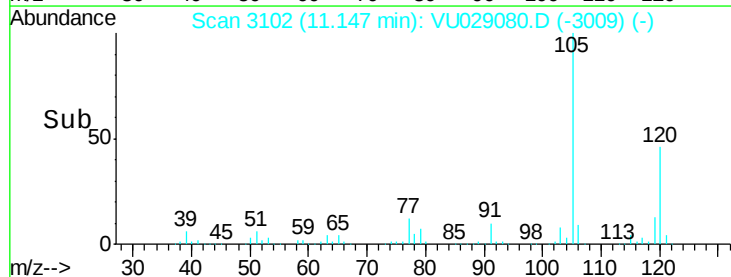
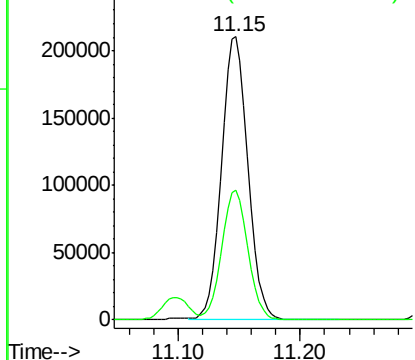


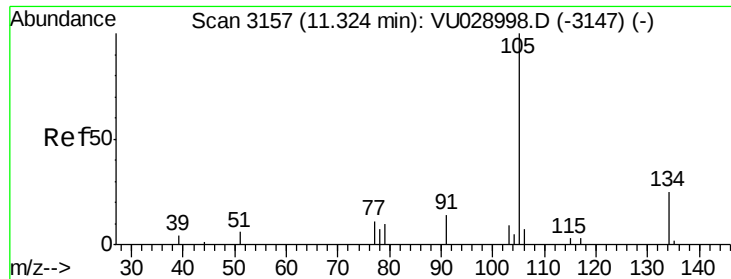
#84
1,2,4-Trimethylbenzene
Concen: 51.792 ug/l
RT: 11.15 min Scan# 3102
Delta R.T. 0.00 min
Lab File: VU029080.D
Acq: 09 Jan 2019 09:07

Tgt Ion:105 Resp: 320533
Ion Ratio Lower Upper
105 100
120 45.3 23.1 69.3



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

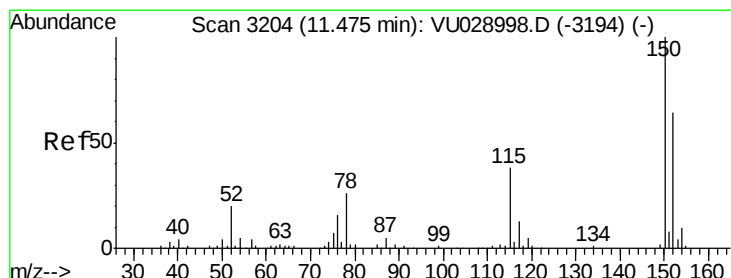
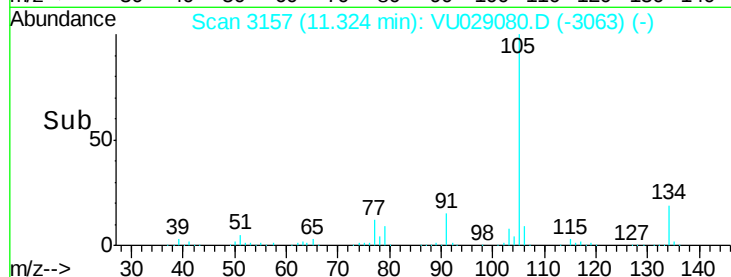
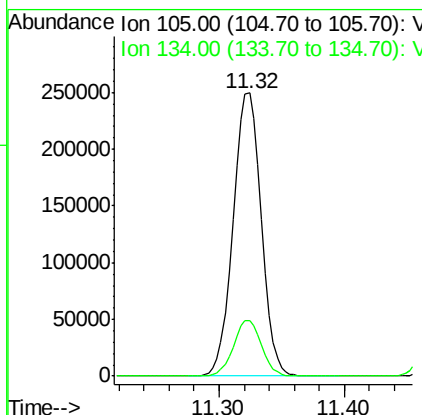
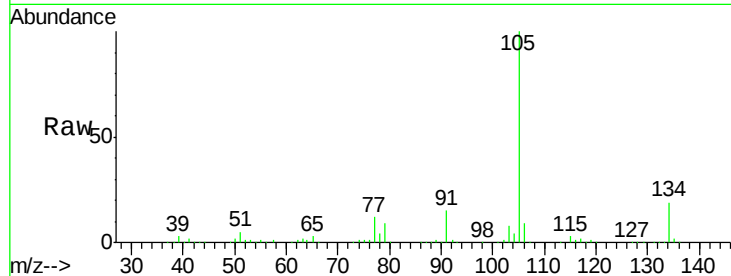




#85
 sec-Butylbenzene
 Concen: 52.528 ug/l
 RT: 11.32 min Scan# 3157
 Delta R.T. 0.00 min
 Lab File: VU029080.D
 Acq: 09 Jan 2019 09:07

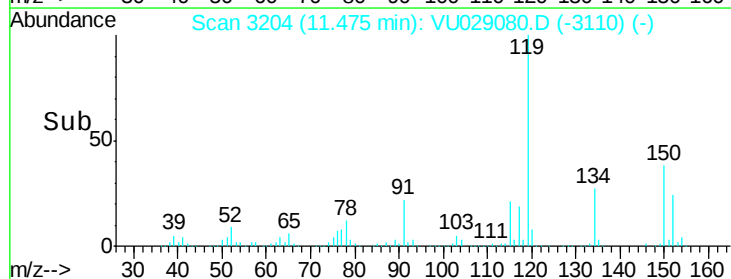
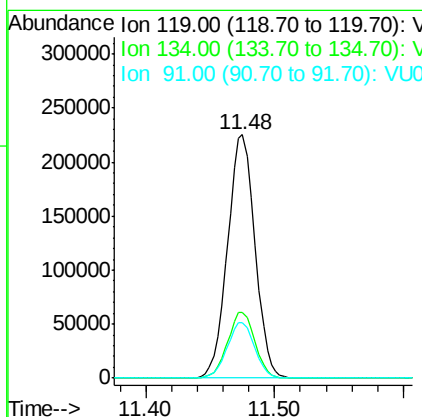
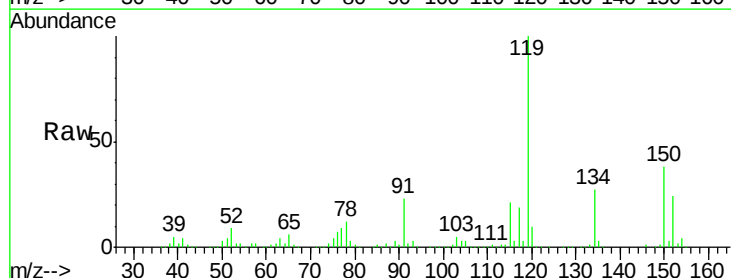
Instrument :
 MSVOA_U
 ClientSampled :

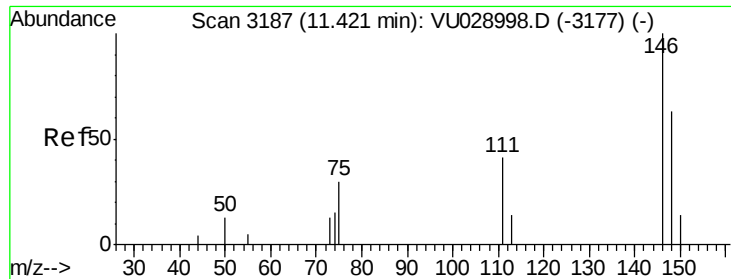
Tot Ion:105 Resp: 388139
 Ion Ratio Lower Upper
 105 100
 134 19.5 9.7 29.1



#86
 p-Isopropyltoluene
 Concen: 52.573 ug/l
 RT: 11.48 min Scan# 3204
 Delta R.T. 0.00 min
 Lab File: VU029080.D
 Acq: 09 Jan 2019 09:07

Tgt Ion:119 Resp: 331024
 Ion Ratio Lower Upper
 119 100
 134 27.1 13.5 40.4
 91 23.0 11.3 33.8

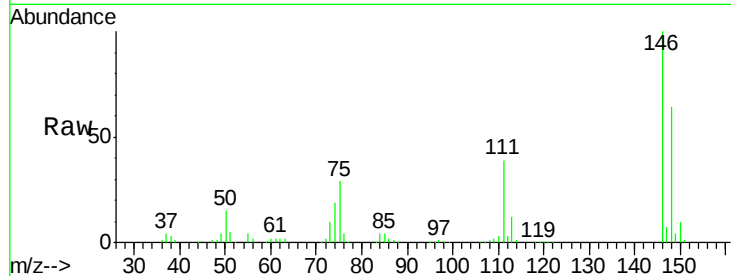




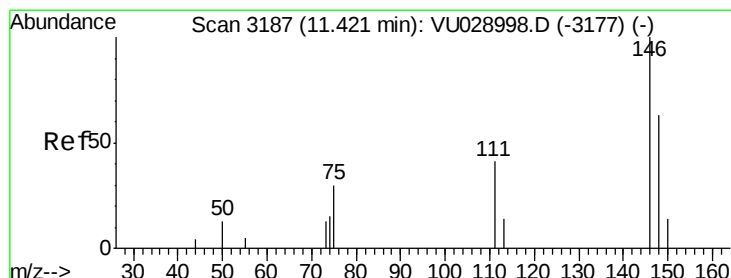
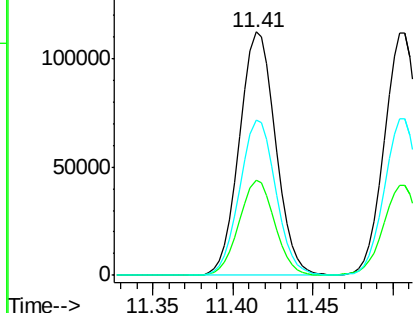
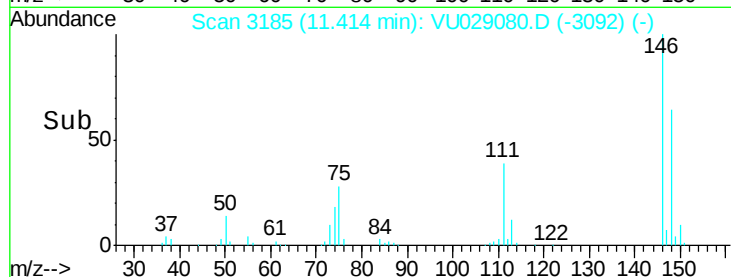
#87
 1,3-Dichlorobenzene
 Concen: 48.725 ug/l
 RT: 11.41 min Scan# 3185
 Delta R.T. 0.00 min
 Lab File: VU029080.D
 Acq: 09 Jan 2019 09:07

Instrument :
 MSVOA_U
 ClientSampled :

Tot Ion:146 Resp: 172886
 Ion Ratio Lower Upper
 146 100
 111 38.6 19.3 57.8
 148 63.8 32.5 97.5

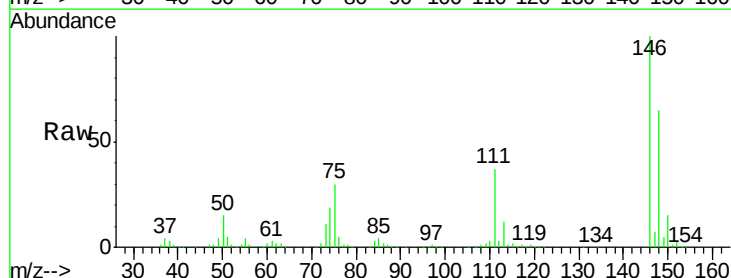


Abundance Ion 145.90 (145.60 to 146.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

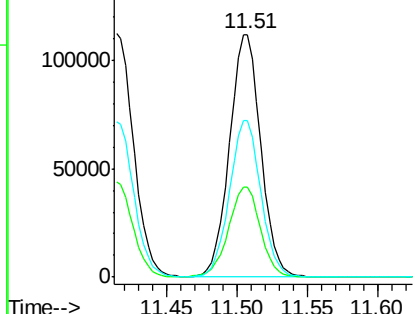
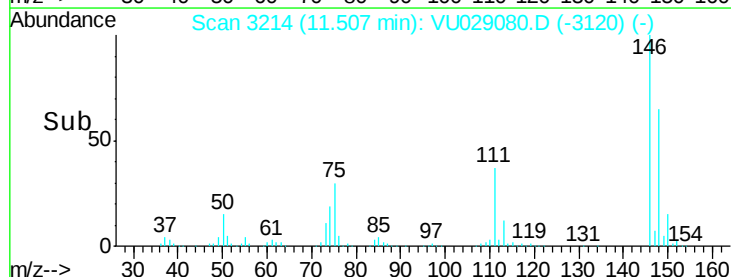


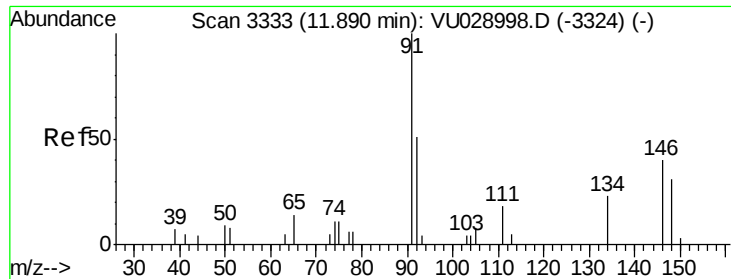
#88
 1,4-Dichlorobenzene
 Concen: 47.302 ug/l
 RT: 11.51 min Scan# 3214
 Delta R.T. 0.00 min
 Lab File: VU029080.D
 Acq: 09 Jan 2019 09:07

Tgt Ion:146 Resp: 173245
 Ion Ratio Lower Upper
 146 100
 111 38.2 19.1 57.3
 148 65.1 32.6 98.0



Abundance Ion 145.90 (145.60 to 146.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V





#89

n-Butylbenzene

Concen: 56.901 ug/l

RT: 11.89 min Scan# 3332

Delta R.T. 0.00 min

Lab File: VU029080.D

Acq: 09 Jan 2019 09:07

Instrument :

MSVOA_U

ClientSampleId :

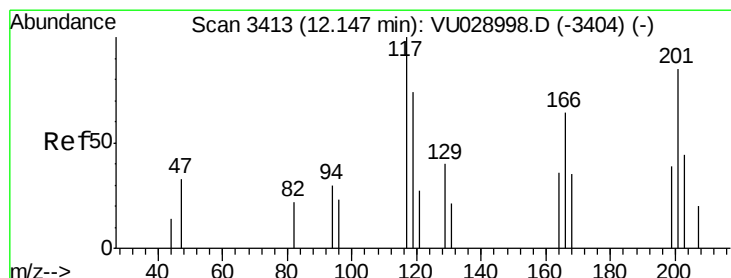
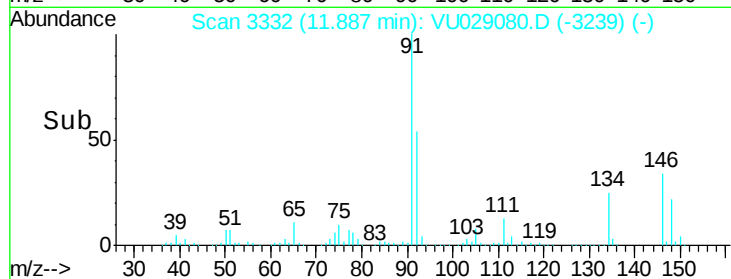
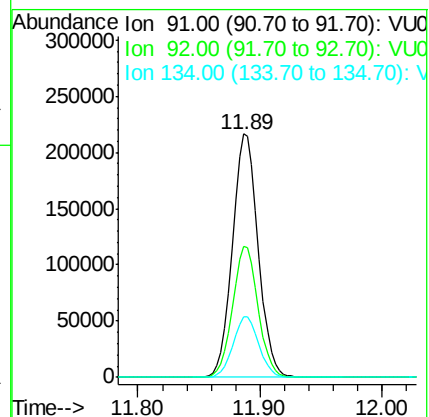
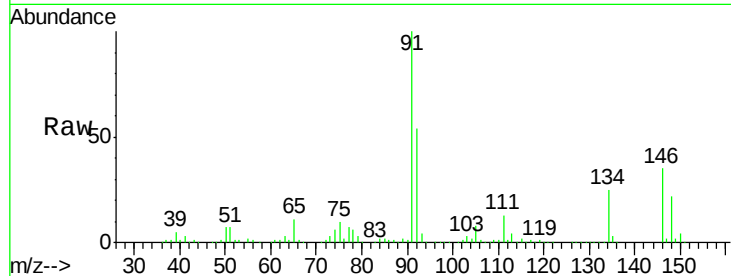
Tot Ion: 91 Resp: 319770

Ion Ratio Lower Upper

91 100

92 53.3 26.2 78.5

134 24.9 12.6 37.6



#90

Hexachloroethane

Concen: 48.801 ug/l

RT: 12.14 min Scan# 3412

Delta R.T. 0.00 min

Lab File: VU029080.D

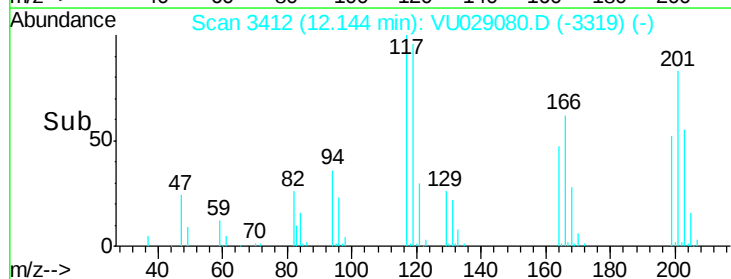
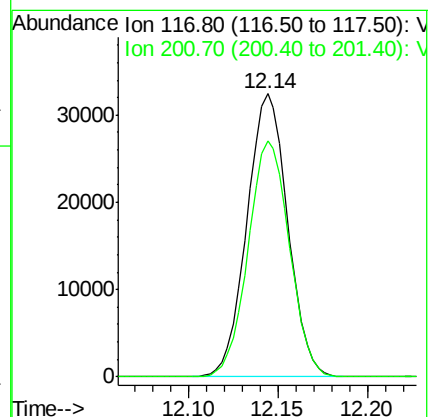
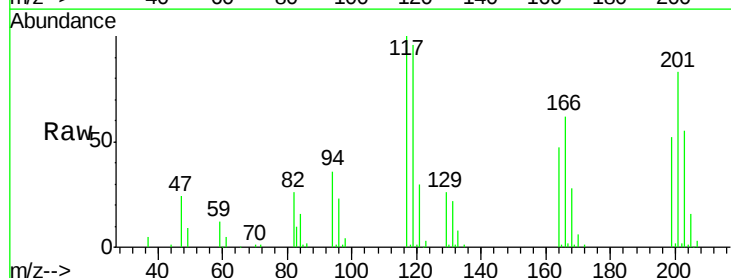
Acq: 09 Jan 2019 09:07

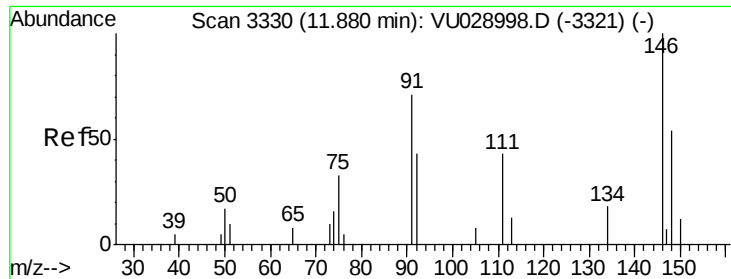
Tgt Ion: 117 Resp: 51692

Ion Ratio Lower Upper

117 100

201 84.4 42.4 127.3





#91

1,2-Dichlorobenzene

Concen: 48.160 ug/l

RT: 11.88 min Scan# 3329

Delta R.T. 0.00 min

Lab File: VU029080.D

Acq: 09 Jan 2019 09:07

Instrument :

MSVOA_U

ClientSampleId :

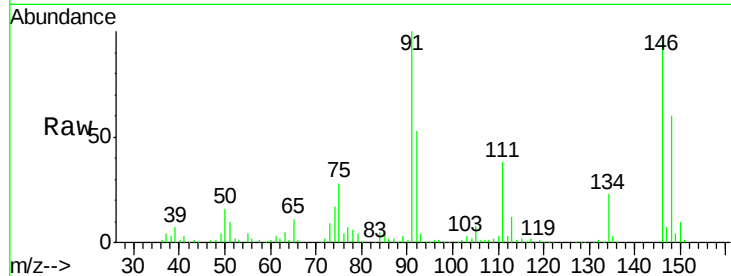
Tot Ion:146 Resp: 172116

Ion Ratio Lower Upper

146 100

111 39.9 20.0 59.9

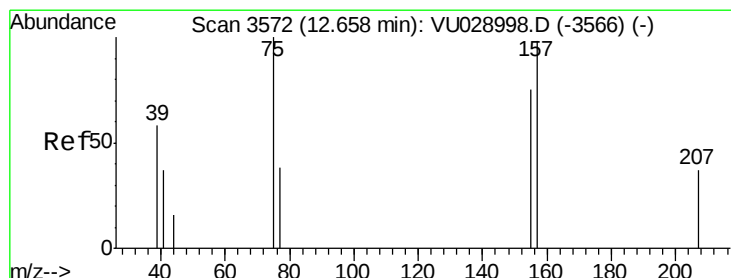
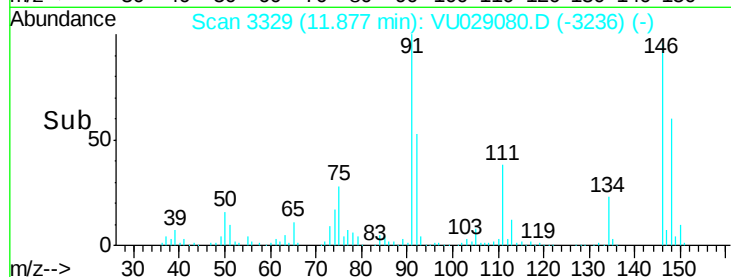
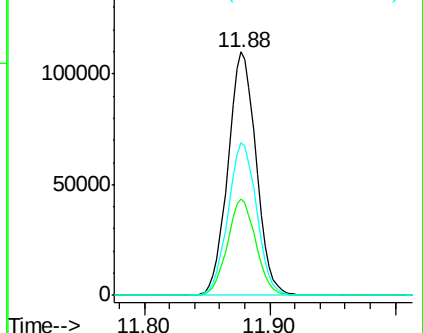
148 63.9 31.6 94.8



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 52.914 ug/l

RT: 12.66 min Scan# 3571

Delta R.T. 0.00 min

Lab File: VU029080.D

Acq: 09 Jan 2019 09:07

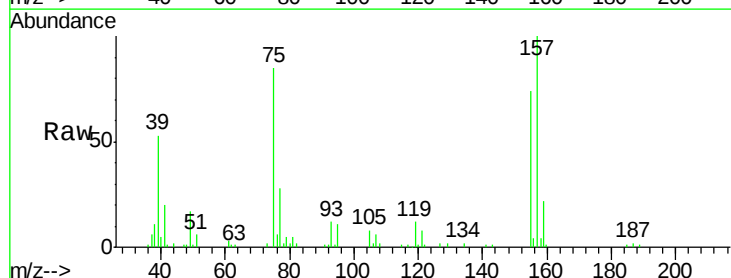
Tgt Ion: 75 Resp: 30278

Ion Ratio Lower Upper

75 100

155 86.0 46.3 138.8

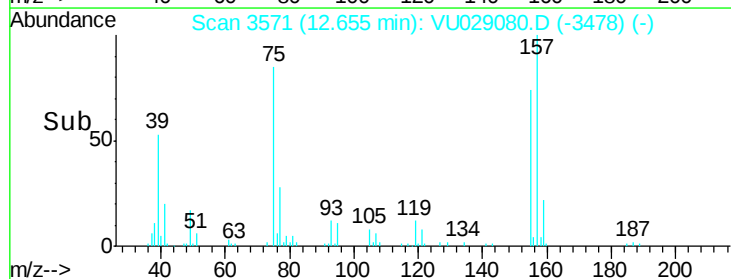
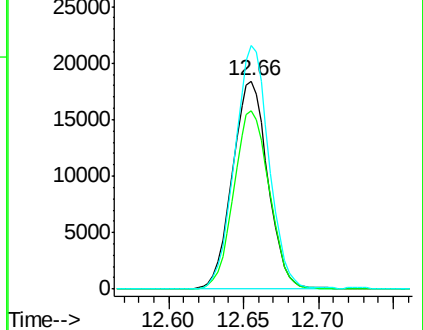
157 113.2 57.4 172.0

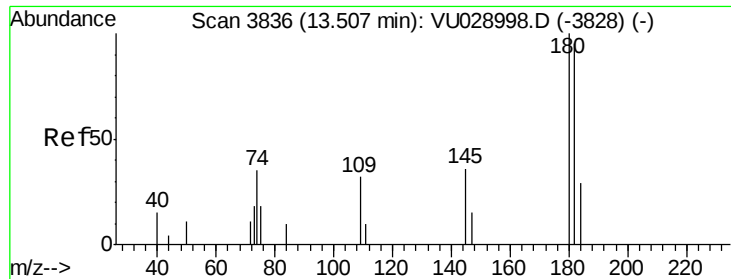


Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

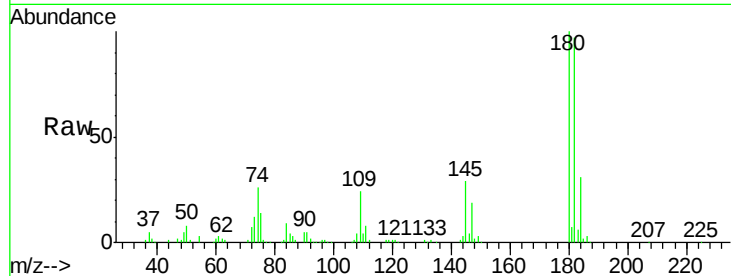




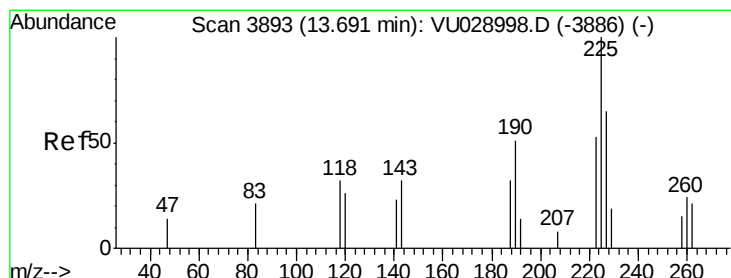
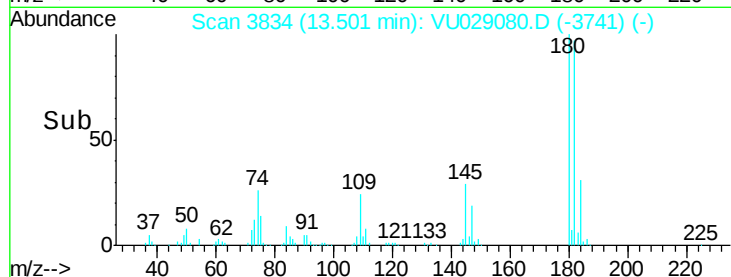
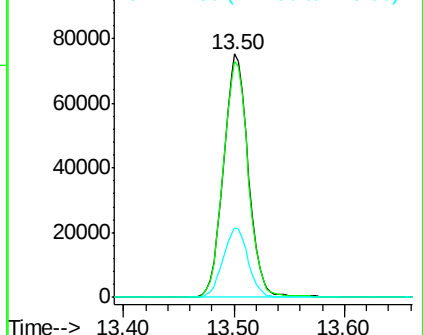
#93
 1,2,4-Trichlorobenzene
 Concen: 51.184 ug/l
 RT: 13.50 min Scan# 3834
 Delta R.T. 0.00 min
 Lab File: VU029080.D
 Acq: 09 Jan 2019 09:07

Instrument :
 MSVOA_U
 ClientSampled :

Tot Ion:180 Resp: 116769
 Ion Ratio Lower Upper
 180 100
 182 98.4 47.5 142.6
 145 28.9 14.0 42.0

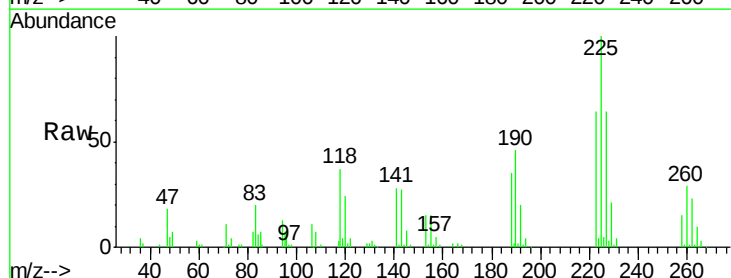


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

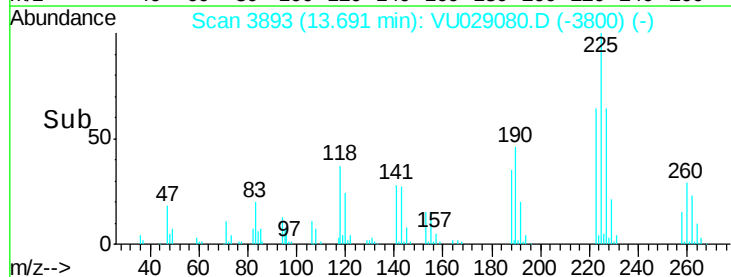
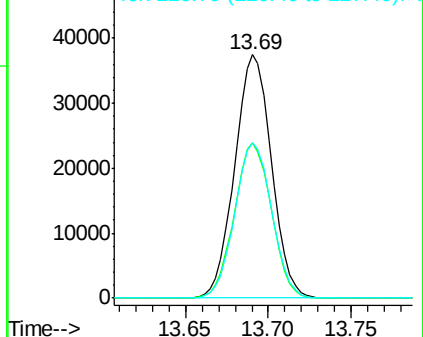


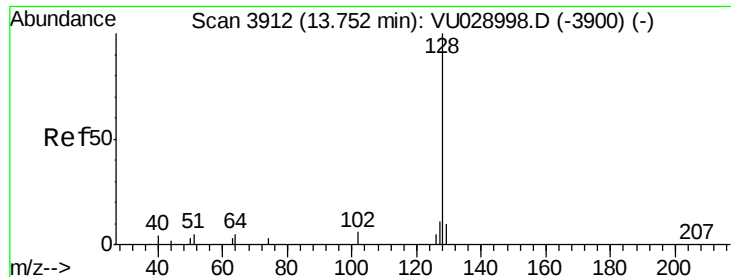
#94
 Hexachlorobutadiene
 Concen: 55.272 ug/l
 RT: 13.69 min Scan# 3893
 Delta R.T. 0.00 min
 Lab File: VU029080.D
 Acq: 09 Jan 2019 09:07

Tgt Ion:225 Resp: 57676
 Ion Ratio Lower Upper
 225 100
 223 64.5 31.4 94.0
 227 64.0 31.9 95.5



Abundance Ion 224.70 (224.40 to 225.40): V
 Ion 222.70 (222.40 to 223.40): V
 Ion 226.70 (226.40 to 227.40): V

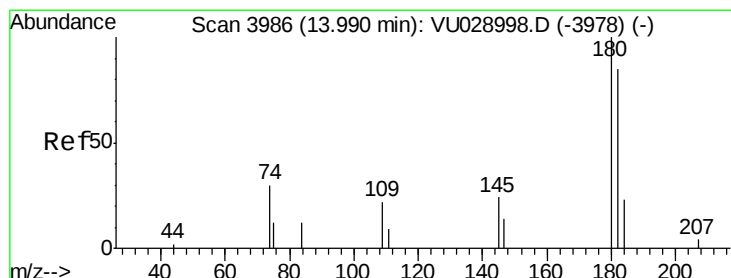
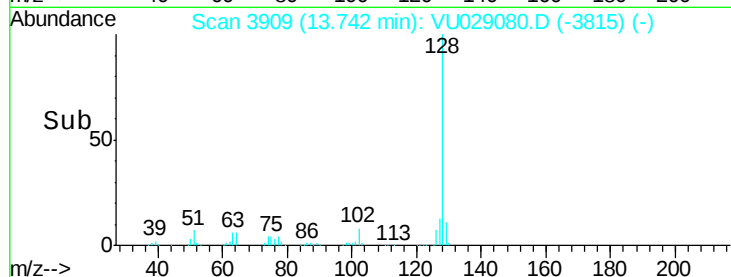
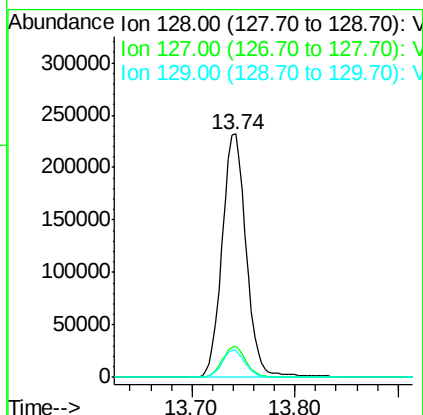
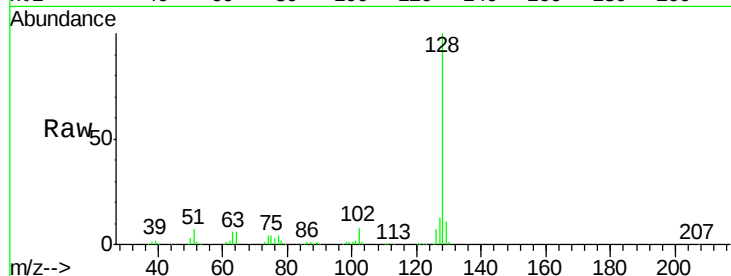




#95
Naphthalene
Concen: 48.838 ug/l
RT: 13.74 min Scan# 3909
Delta R.T. 0.00 min
Lab File: VU029080.D
Acq: 09 Jan 2019 09:07

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion:128 Resp: 379019
Ion Ratio Lower Upper
128 100
127 12.7 10.1 15.1
129 10.7 8.5 12.7



#96
1,2,3-Trichlorobenzene
Concen: 51.555 ug/l
RT: 13.99 min Scan# 3985
Delta R.T. 0.00 min
Lab File: VU029080.D
Acq: 09 Jan 2019 09:07

Tgt Ion:180 Resp: 121139
Ion Ratio Lower Upper
180 100
182 93.9 48.1 144.3
145 29.8 14.8 44.4

