

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U121118\
 Data File : VU028594.D
 Acq On : 11 Dec 2018 09:18
 Operator : MD/SY
 Sample : J6305-05MS
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 51 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 P001-SW004-01MS

Quant Time: Dec 11 11:41:20 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U120618W.M
 Quant Title : SW846 8260
 QLast Update : Fri Dec 07 00:39:42 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.98	168	84652	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.88	114	151761	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	141585	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	70079	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.31	65	70408	54.50	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.00%	
35) Dibromofluoromethane	4.88	113	50419	52.79	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.58%	
50) Toluene-d8	7.56	98	195418	51.73	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.46%	
62) 4-Bromofluorobenzene	10.30	95	73732	52.22	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.44%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.21	85	56970	50.210	ug/l	99
3) Chloromethane	1.33	50	98965	47.442	ug/l	99
4) Vinyl Chloride	1.40	62	75045	49.850	ug/l	99
5) Bromomethane	1.60	94	31805	52.448	ug/l	98
6) Chloroethane	1.68	64	42849	50.277	ug/l	100
7) Trichlorofluoromethane	1.88	101	88919	56.141	ug/l	98
8) Diethyl Ether	2.10	74	36033	48.626	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	2.28	101	45762	48.310	ug/l	98
10) Methyl Iodide	2.41	142	42659	57.394	ug/l	99
11) Tert butyl alcohol	2.83	59	122404	425.283	ug/l	100
12) 1,1-Dichloroethene	2.28	96	46714	49.564	ug/l	96
13) Acrolein	2.19	56	61732	269.048	ug/l	99
14) Allyl chloride	2.59	41	109399	49.066	ug/l	98
15) Acrylonitrile	2.93	53	264775	331.353	ug/l	100
16) Acetone	2.32	43	375040	444.894	ug/l	99
17) Carbon Disulfide	2.48	76	161824	47.660	ug/l	99
18) Methyl Acetate	2.61	43	250836	114.786	ug/l	98
19) Methyl tert-butyl Ether	3.00	73	185416	51.895	ug/l	100
20) Methylene Chloride	2.70	84	59864	48.173	ug/l	98
21) trans-1,2-Dichloroethene	2.98	96	51263	48.308	ug/l	97
22) Diisopropyl ether	3.57	45	231840	53.470	ug/l	98
23) Vinyl Acetate	3.52	43	879398	245.886	ug/l	99
24) 1,1-Dichloroethane	3.44	63	115645	50.952	ug/l	99
25) 2-Butanone	4.26	43	422906	367.097	ug/l	98
26) 2,2-Dichloropropane	4.22	77	63881	35.521	ug/l	98
27) cis-1,2-Dichloroethene	4.22	96	59625	49.642	ug/l	99
28) Bromochloromethane	4.55	49	58462	56.661	ug/l	94
29) Tetrahydrofuran	4.63	42	273396	369.516	ug/l	97
30) Chloroform	4.67	83	102670	51.902	ug/l	95
31) Cyclohexane	4.99	56	112955	51.023	ug/l	98
32) 1,1,1-Trichloroethane	4.91	97	83251	50.673	ug/l	99
36) 1,1-Dichloropropene	5.13	75	79208	47.696	ug/l	99
37) Ethyl Acetate	4.38	43	126361	58.860	ug/l	99
38) Carbon Tetrachloride	5.13	117	65603	49.011	ug/l	97

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U121118\
 Data File : VU028594.D
 Acq On : 11 Dec 2018 09:18
 Operator : MD/SY
 Sample : J6305-05MS
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 51 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 P001-SW004-01MS

Quant Time: Dec 11 11:41:20 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U120618W.M
 Quant Title : SW846 8260
 QLast Update : Fri Dec 07 00:39:42 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.41	83	89520	44.185	ug/l	99
40) Benzene	5.39	78	252951	51.716	ug/l	97
41) Methacrylonitrile	4.54	41	74899	63.707	ug/l	98
42) 1,2-Dichloroethane	5.40	62	86833	50.718	ug/l	99
43) Isopropyl Acetate	5.55	43	192718	56.756	ug/l	99
44) Trichloroethene	6.19	130	53244	48.958	ug/l	95
45) 1,2-Dichloropropane	6.43	63	71427	51.931	ug/l	98
46) Dibromomethane	6.56	93	41207	50.494	ug/l	98
47) Bromodichloromethane	6.76	83	79165	49.851	ug/l	100
48) Methyl methacrylate	6.62	41	101738	60.249	ug/l	99
49) 1,4-Dioxane	6.61	88	37802	1417.773	ug/l	95
51) 4-Methyl-2-Pentanone	7.46	43	741922	346.428	ug/l	99
52) Toluene	7.64	92	143484	49.846	ug/l	97
53) t-1,3-Dichloropropene	7.88	75	90747	47.981	ug/l	98
54) cis-1,3-Dichloropropene	7.27	75	96217	46.890	ug/l	99
55) 1,1,2-Trichloroethane	8.06	97	58118	51.077	ug/l	99
56) Ethyl methacrylate	8.02	69	106848	54.835	ug/l	97
57) 1,3-Dichloropropane	8.24	76	107674	50.977	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.27	63	476	0.477	ug/l #	54
59) 2-Hexanone	8.36	43	611080	359.994	ug/l	100
60) Dibromochloromethane	8.48	129	56136	50.390	ug/l	97
61) 1,2-Dibromoethane	8.58	107	62426	52.317	ug/l	99
64) Tetrachloroethene	8.23	164	43186	45.728	ug/l	97
65) Chlorobenzene	9.12	112	144969	48.050	ug/l	98
66) 1,1,1,2-Tetrachloroethane	9.21	131	50136	52.039	ug/l	99
67) Ethyl Benzene	9.25	91	277357	50.008	ug/l	99
68) m/p-Xylenes	9.37	106	201804	99.995	ug/l	98
69) o-Xylene	9.78	106	98431	50.188	ug/l	99
70) Styrene	9.79	104	163207	50.284	ug/l	100
71) Bromoform	9.96	173	43557	53.145	ug/l #	99
73) Isopropylbenzene	10.16	105	257050	47.802	ug/l	100
74) N-amyl acetate	10.01	43	158233	51.013	ug/l	99
75) 1,1,2,2-Tetrachloroethane	10.46	83	117849	57.050	ug/l	99
76) 1,2,3-Trichloropropane	10.49	75	138059	77.150	ug/l	86
77) Bromobenzene	10.45	156	61625	49.000	ug/l	99
78) n-propylbenzene	10.58	91	318605	47.682	ug/l	100
79) 2-Chlorotoluene	10.66	91	188701	49.027	ug/l	100
80) 1,3,5-Trimethylbenzene	10.77	105	217839	48.939	ug/l	100
81) trans-1,4-Dichloro-2-buten	10.49	75	138061	188.227	ug/l #	100
82) 4-Chlorotoluene	10.77	91	217239	47.629	ug/l	100
83) tert-Butylbenzene	11.10	119	206435	48.116	ug/l	99
84) 1,2,4-Trimethylbenzene	11.15	105	227961	49.693	ug/l	100
85) sec-Butylbenzene	11.32	105	260453	47.254	ug/l	99
86) p-Isopropyltoluene	11.48	119	219672	46.918	ug/l	100
87) 1,3-Dichlorobenzene	11.41	146	111640	47.011	ug/l	99
88) 1,4-Dichlorobenzene	11.50	146	112910	45.955	ug/l	99
89) n-Butylbenzene	11.89	91	210268	44.375	ug/l	99
90) Hexachloroethane	12.14	117	31966	45.170	ug/l	97
91) 1,2-Dichlorobenzene	11.88	146	114764	48.313	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.66	75	29999	67.079	ug/l	99

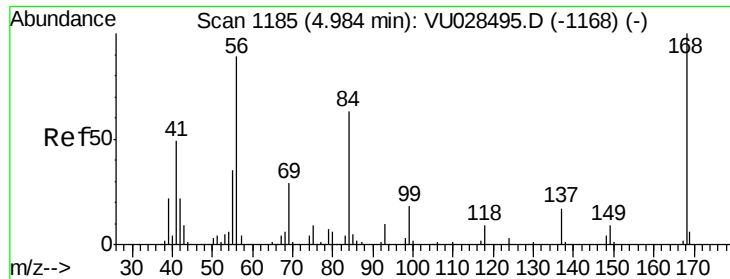
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA U\DATA\VU121118\
Data File : VU028594.D
Acq On : 11 Dec 2018 09:18
Operator : MD/SY
Sample : J6305-05MS
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 51 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
P001-SW004-01MS

Quant Time: Dec 11 11:41:20 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_U\METHOD\82U120618W.M
Quant Title : SW846 8260
QLast Update : Fri Dec 07 00:39:42 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.50	180	75699	46.437	ug/l	98
94) Hexachlorobutadiene	13.69	225	32987	42.394	ug/l	97
95) Naphthalene	13.74	128	305081	53.522	ug/l	99
96) 1,2,3-Trichlorobenzene	13.99	180	76916	47.354	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.98 min Scan# 1185

Delta R.T. -0.00 min

Lab File: VU028594.D

Acq: 11 Dec 2018 09:18

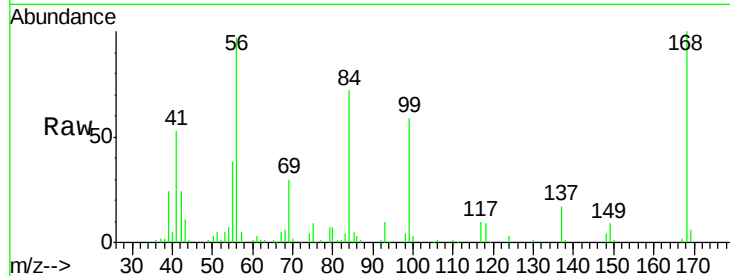
Instrument :
MSVOA_U
ClientSampleId :
P001-SW004-01MS

Tot Ion:168 Resp: 84652

Ion Ratio Lower Upper

168 100

99 58.5 46.6 69.8

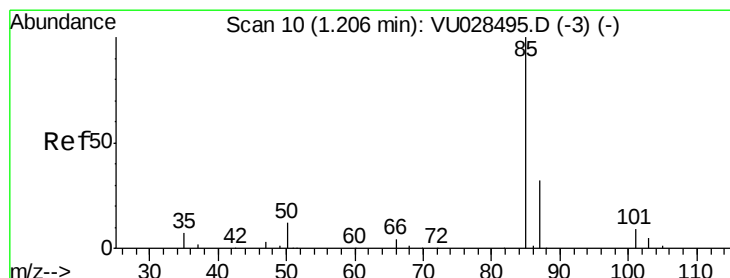
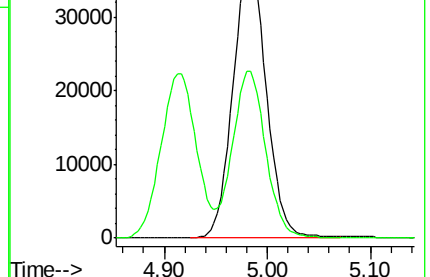
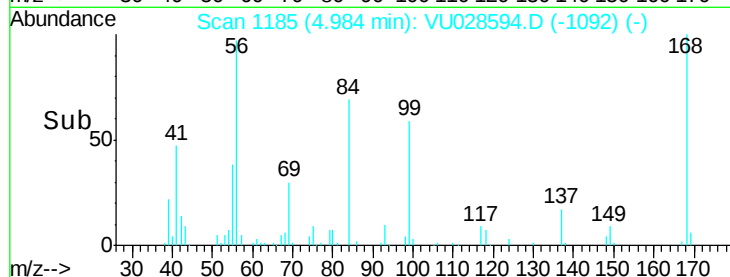


Abundance Ion 167.90 (167.60 to 168.60): VU028495.D (-1168) (-)

Ion 98.90 (98.60 to 99.60): VU028495.D (-1168) (-)

4.98

4.90 5.00 5.10



#2

Dichlorodifluoromethane

Concen: 50.210 ug/l

RT: 1.21 min Scan# 10

Delta R.T. -0.00 min

Lab File: VU028594.D

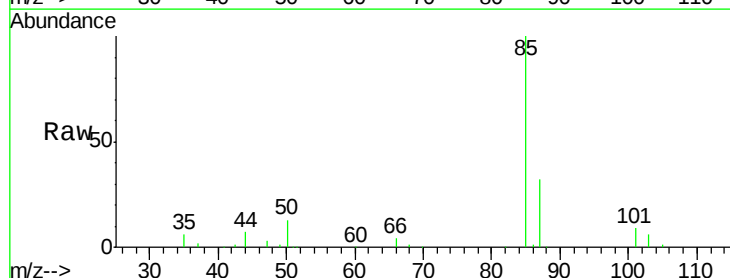
Acq: 11 Dec 2018 09:18

Tgt Ion: 85 Resp: 56970

Ion Ratio Lower Upper

85 100

87 32.3 15.9 47.6

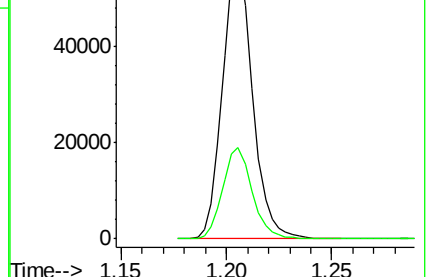
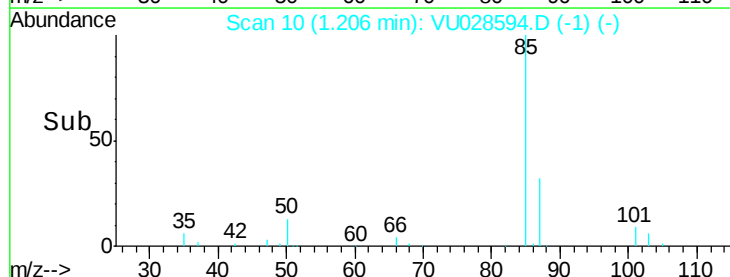


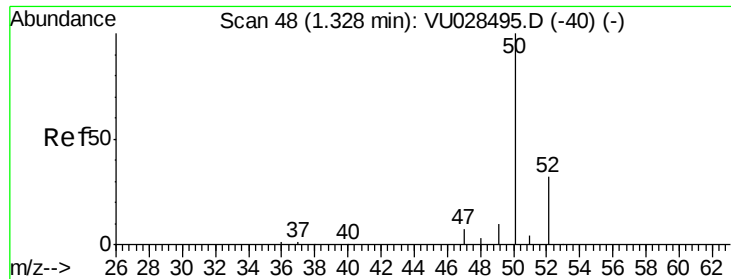
Abundance Ion 84.90 (84.60 to 85.60): VU028495.D (-3) (-)

Ion 86.90 (86.60 to 87.60): VU028495.D (-3) (-)

1.21

1.15 1.20 1.25





#3

Chloromethane

Concen: 47.442 ug/l

RT: 1.33 min Scan# 48

Delta R.T. -0.00 min

Lab File: VU028594.D

Acq: 11 Dec 2018 09:18

Instrument :

MSVOA_U

ClientSampleId :

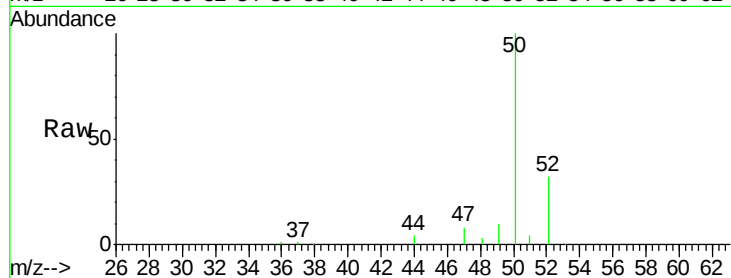
P001-SW004-01MS

Tot Ion: 50 Resp: 98965

Ion Ratio Lower Upper

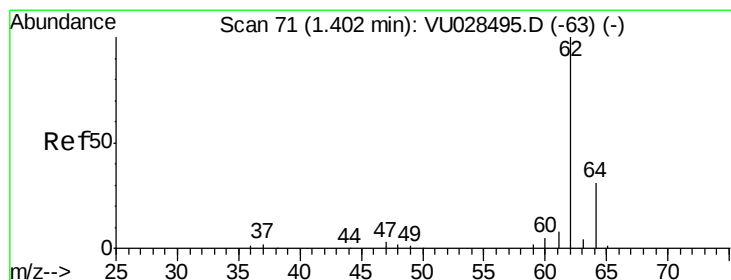
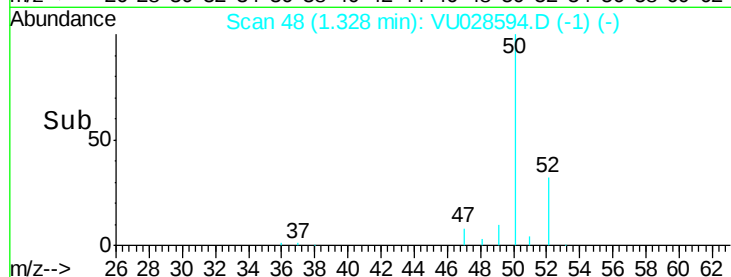
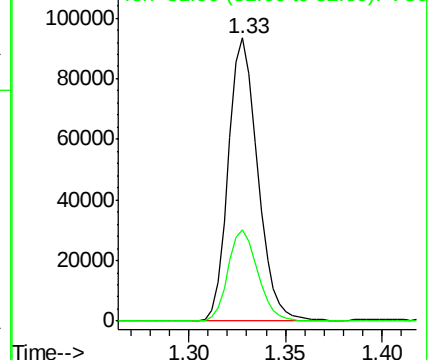
50 100

52 32.2 25.5 38.3



Abundance Ion 49.90 (49.60 to 50.60): VU0

Ion 51.90 (51.60 to 52.60): VU0



#4

Vinyl Chloride

Concen: 49.850 ug/l

RT: 1.40 min Scan# 71

Delta R.T. -0.00 min

Lab File: VU028594.D

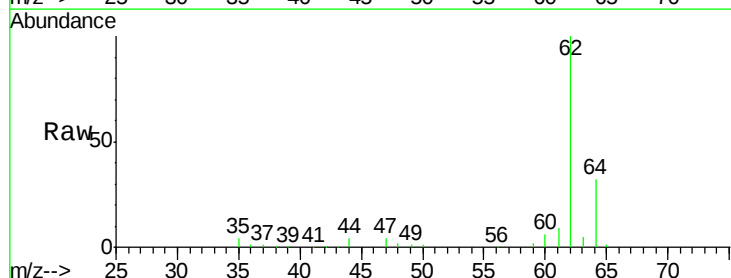
Acq: 11 Dec 2018 09:18

Tgt Ion: 62 Resp: 75045

Ion Ratio Lower Upper

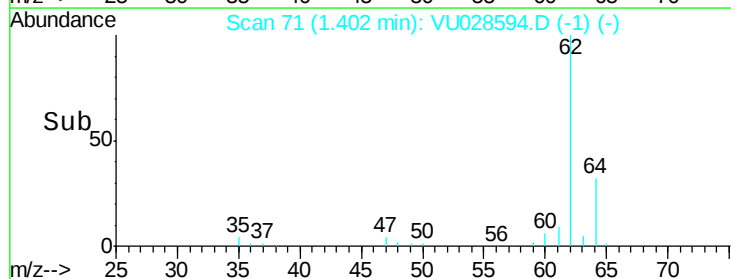
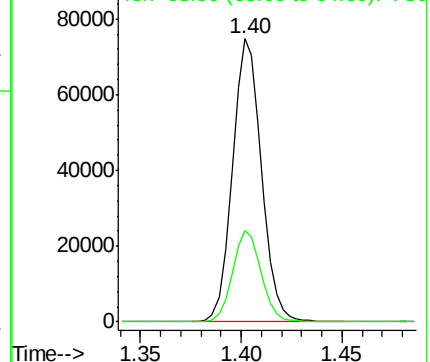
62 100

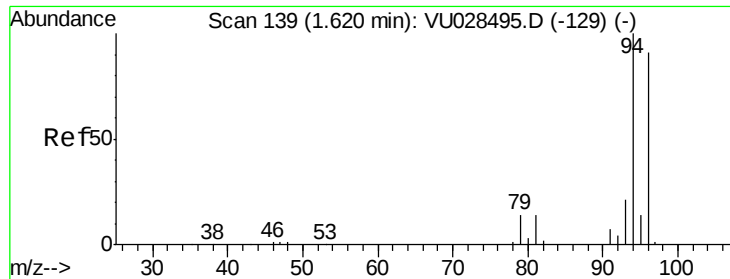
64 32.1 25.1 37.7



Abundance Ion 61.90 (61.60 to 62.60): VU0

Ion 63.90 (63.60 to 64.60): VU0





#5

Bromomethane

Concen: 52.448 ug/l

RT: 1.60 min Scan# 134

Delta R.T. -0.02 min

Lab File: VU028594.D

Acq: 11 Dec 2018 09:18

Instrument :

MSVOA_U

ClientSampleId :

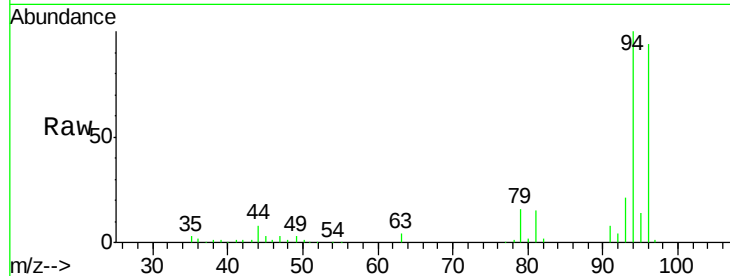
P001-SW004-01MS

Tot Ion: 94 Resp: 31805

Ion Ratio Lower Upper

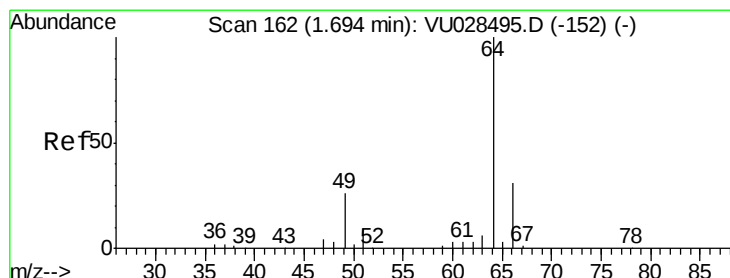
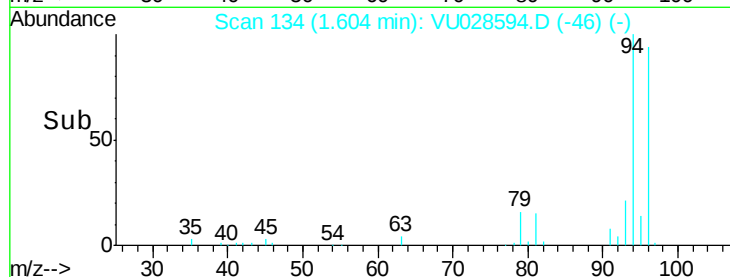
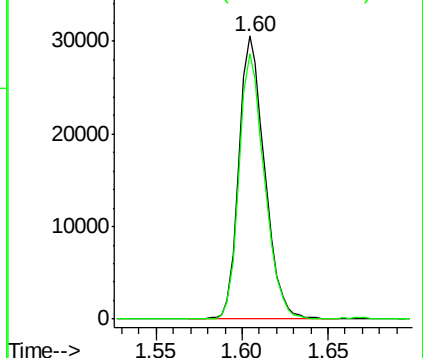
94 100

96 93.8 73.2 109.8



Abundance Ion 93.90 (93.60 to 94.60): VU0

Ion 95.90 (95.60 to 96.60): VU0



#6

Chloroethane

Concen: 50.277 ug/l

RT: 1.68 min Scan# 159

Delta R.T. -0.01 min

Lab File: VU028594.D

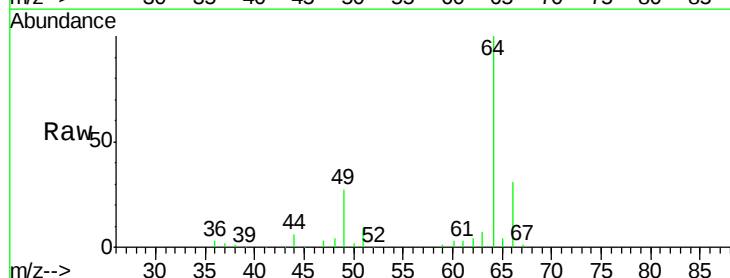
Acq: 11 Dec 2018 09:18

Tgt Ion: 64 Resp: 42849

Ion Ratio Lower Upper

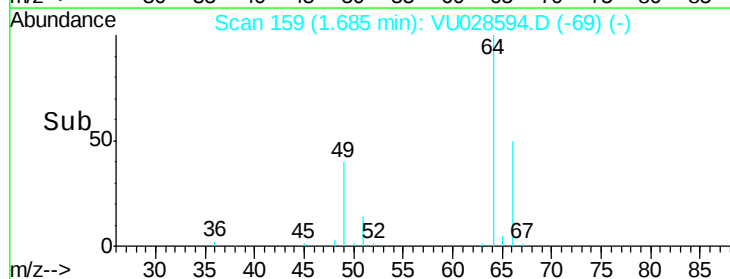
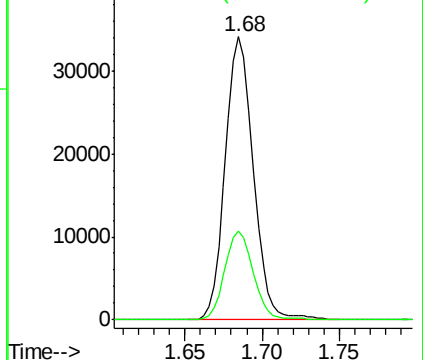
64 100

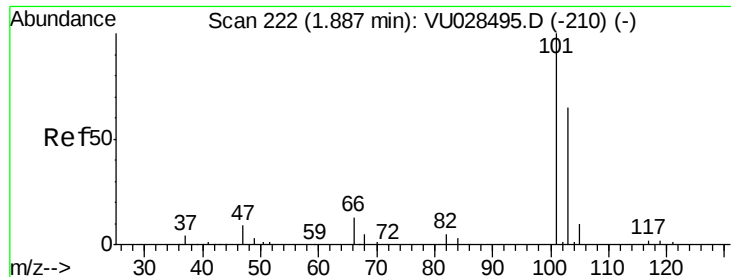
66 31.4 25.0 37.6



Abundance Ion 63.90 (63.60 to 64.60): VU0

Ion 65.90 (65.60 to 66.60): VU0



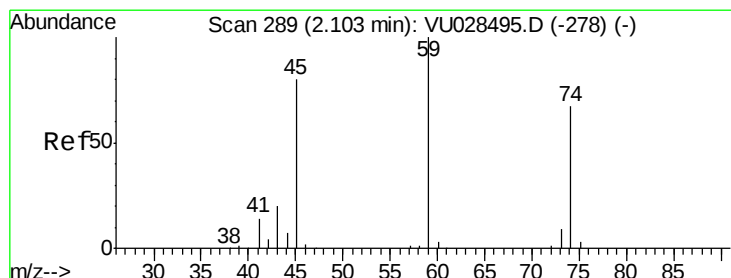
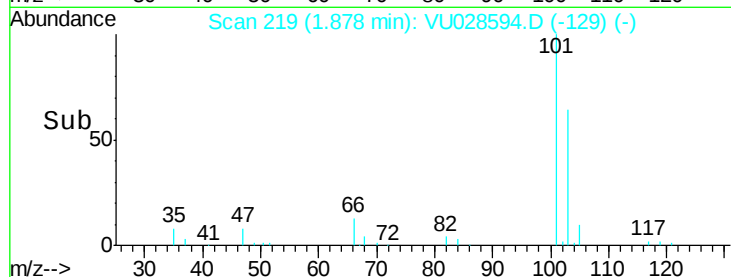
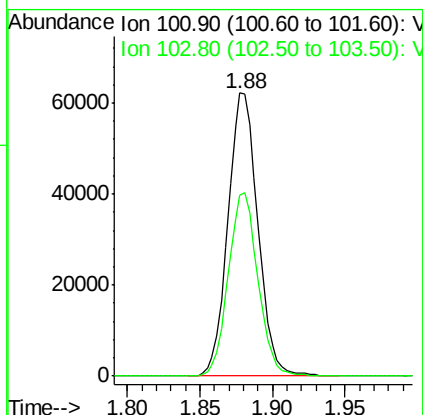
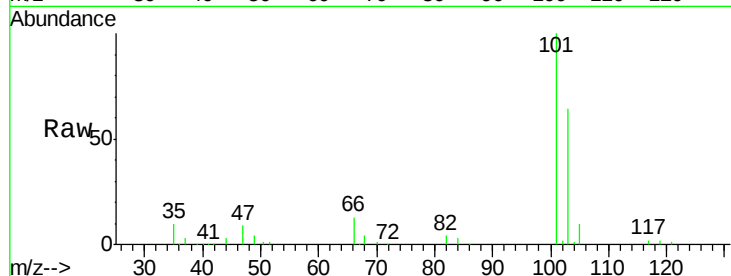


#7

Trichlorofluoromethane
Concen: 56.141 ug/l
RT: 1.88 min Scan# 219
Delta R.T. -0.01 min
Lab File: VU028594.D
Acq: 11 Dec 2018 09:18

Instrument :
MSVOA_U
ClientSampleId :
P001-SW004-01MS

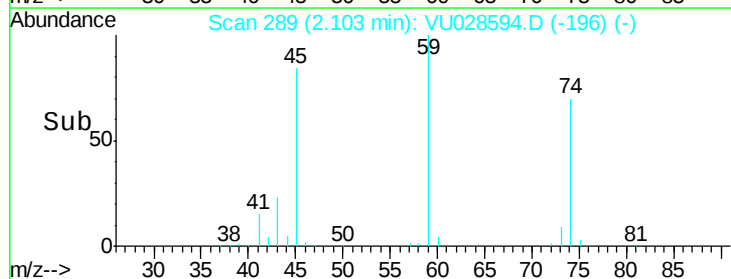
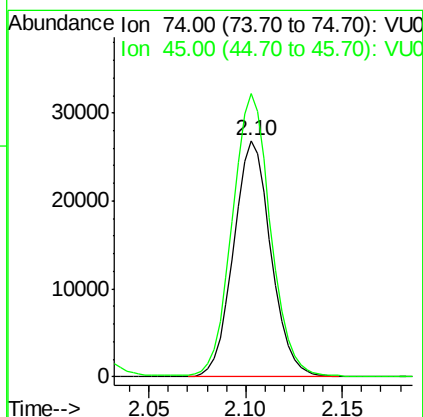
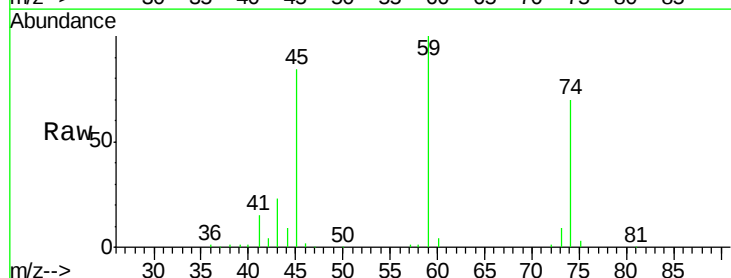
Tot Ion:101 Resp: 88919
Ion Ratio Lower Upper
101 100
103 64.1 52.3 78.5

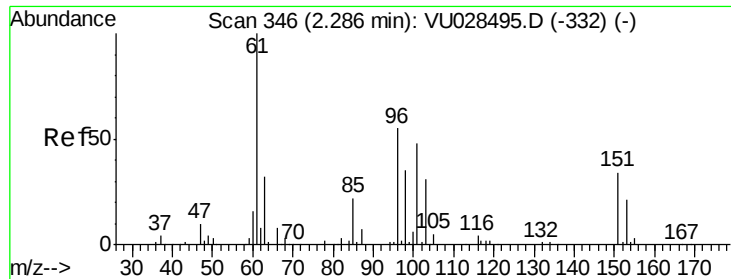


#8

Diethyl Ether
Concen: 48.626 ug/l
RT: 2.10 min Scan# 289
Delta R.T. -0.00 min
Lab File: VU028594.D
Acq: 11 Dec 2018 09:18

Tgt Ion: 74 Resp: 36033
Ion Ratio Lower Upper
74 100
45 123.8 59.7 179.0

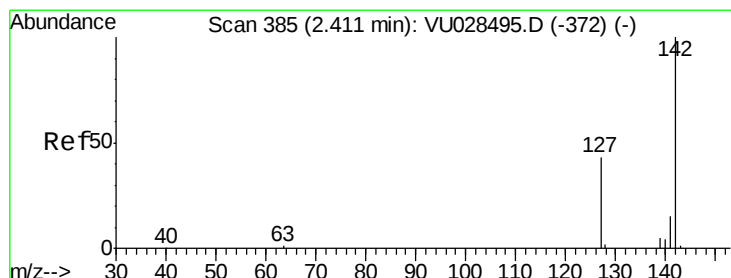
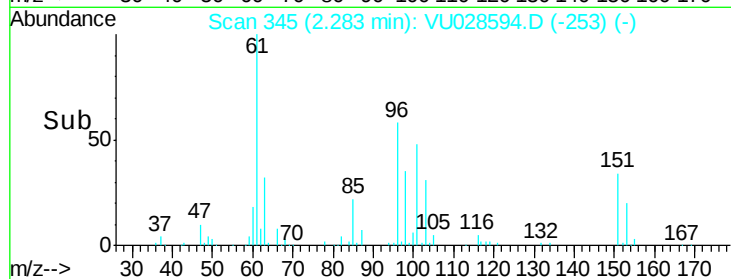
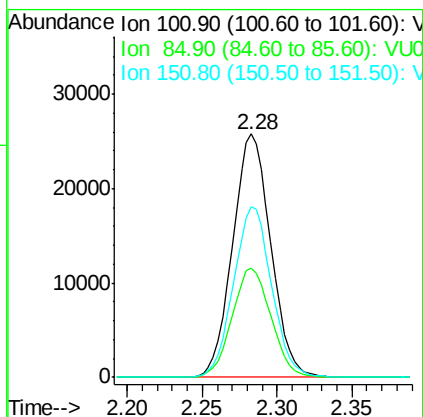
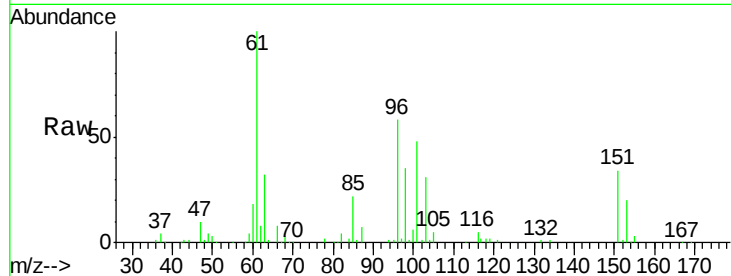




#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 48.310 ug/l
 RT: 2.28 min Scan# 345
 Delta R.T. -0.00 min
 Lab File: VU028594.D
 Acq: 11 Dec 2018 09:18

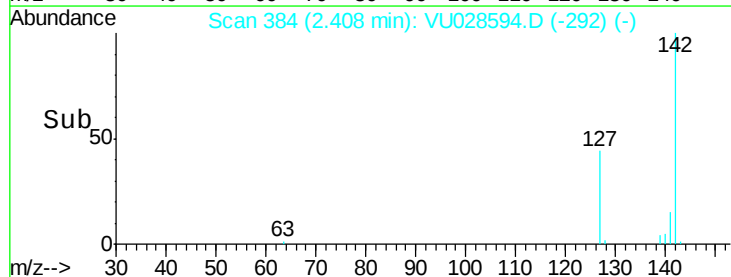
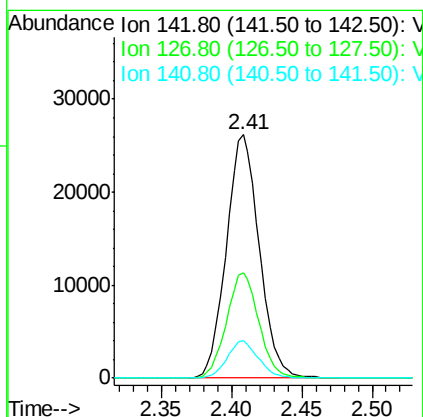
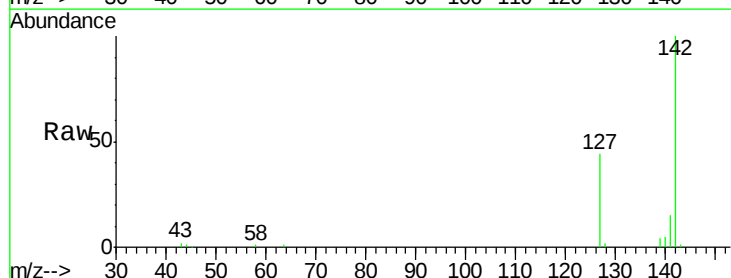
Instrument :
 MSVOA_U
 ClientSampleId :
 P001-SW004-01MS

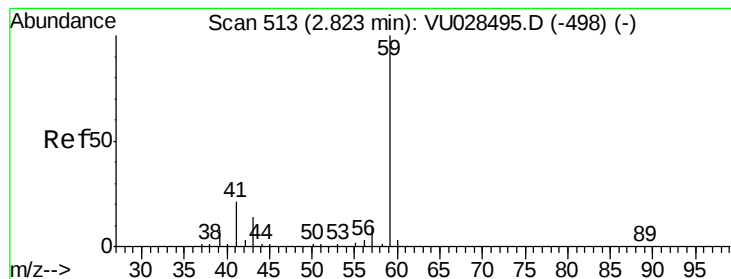
Tot Ion:101 Resp: 45762
 Ion Ratio Lower Upper
 101 100
 85 45.7 36.4 54.6
 151 70.0 58.2 87.2



#10
 Methyl Iodide
 Concen: 57.394 ug/l
 RT: 2.41 min Scan# 384
 Delta R.T. -0.00 min
 Lab File: VU028594.D
 Acq: 11 Dec 2018 09:18

Tgt Ion:142 Resp: 42659
 Ion Ratio Lower Upper
 142 100
 127 42.3 33.5 50.3
 141 14.6 11.2 16.8



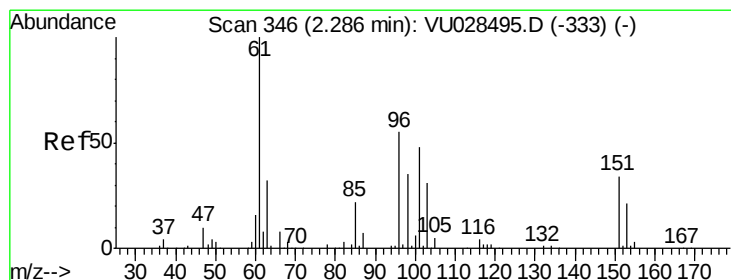
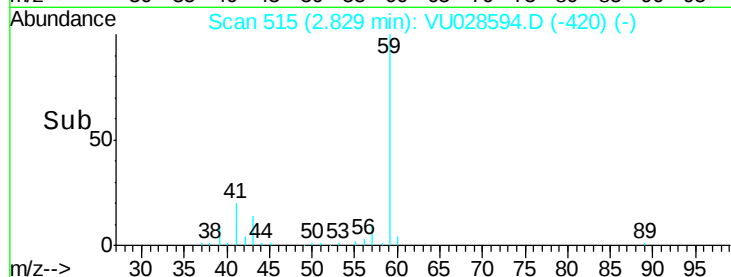
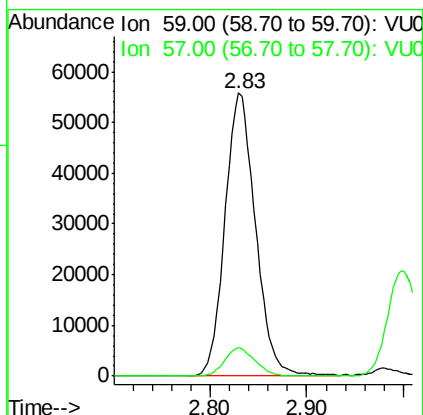
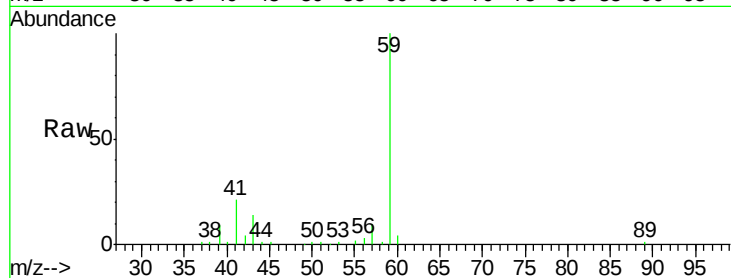


#11

Tert butyl alcohol
Concen: 425.283 ug/l
RT: 2.83 min Scan# 515
Delta R.T. 0.01 min
Lab File: VU028594.D
Acq: 11 Dec 2018 09:18

Instrument :
MSVOA_U
ClientSampleId :
P001-SW004-01MS

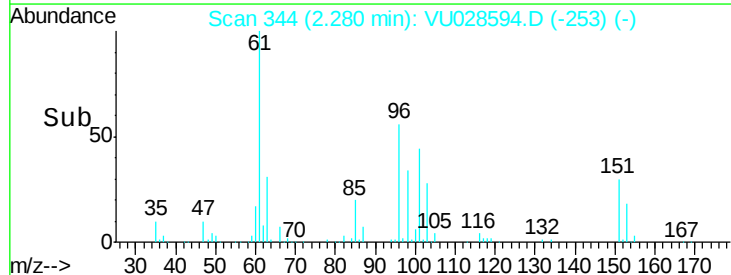
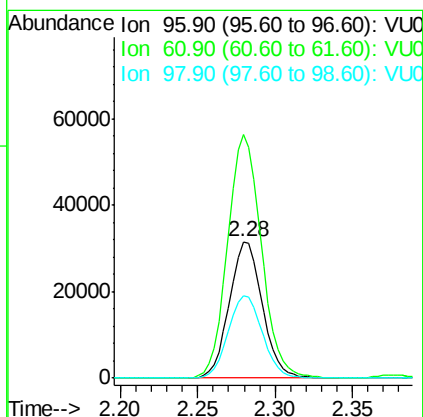
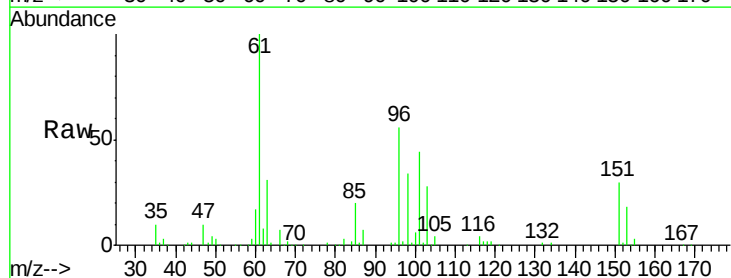
Tot Ion: 59 Resp: 122404
Ion Ratio Lower Upper
59 100
57 9.9 8.0 12.0

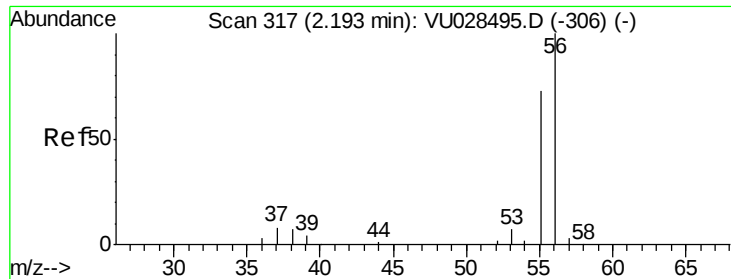


#12

1,1-Dichloroethene
Concen: 49.564 ug/l
RT: 2.28 min Scan# 344
Delta R.T. -0.01 min
Lab File: VU028594.D
Acq: 11 Dec 2018 09:18

Tgt Ion: 96 Resp: 46714
Ion Ratio Lower Upper
96 100
61 178.4 146.4 219.6
98 60.6 51.8 77.8





#13

Acrolein

Concen: 269.048 ug/l

RT: 2.19 min Scan# 317

Delta R.T. -0.00 min

Lab File: VU028594.D

Acq: 11 Dec 2018 09:18

Instrument :

MSVOA_U

ClientSampleId :

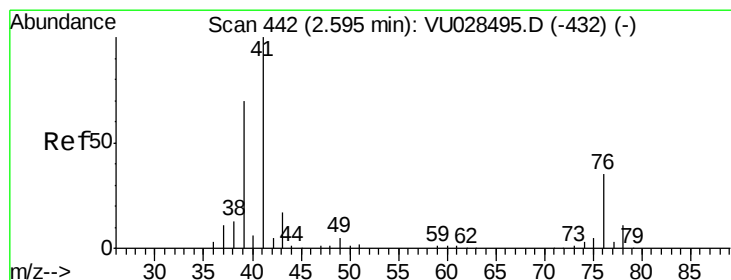
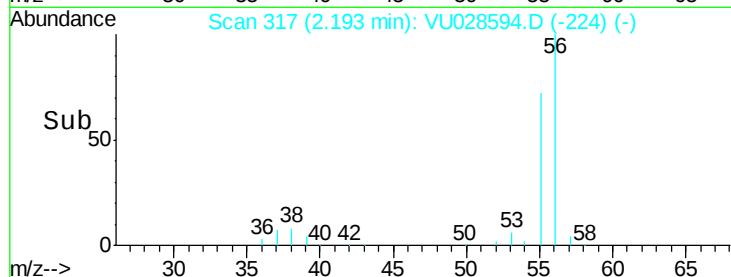
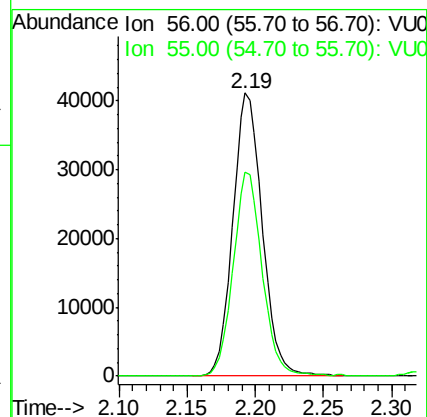
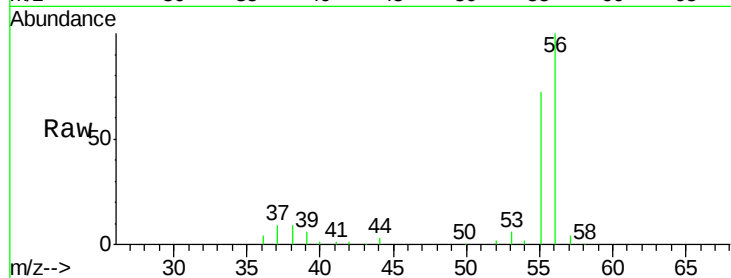
P001-SW004-01MS

Tot Ion: 56 Resp: 61732

Ion Ratio Lower Upper

56 100

55 70.9 57.5 86.3



#14

Allyl chloride

Concen: 49.066 ug/l

RT: 2.59 min Scan# 441

Delta R.T. -0.00 min

Lab File: VU028594.D

Acq: 11 Dec 2018 09:18

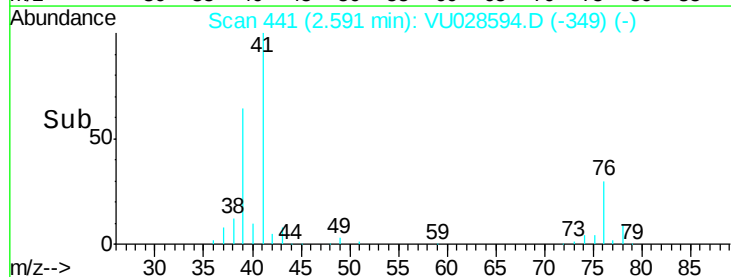
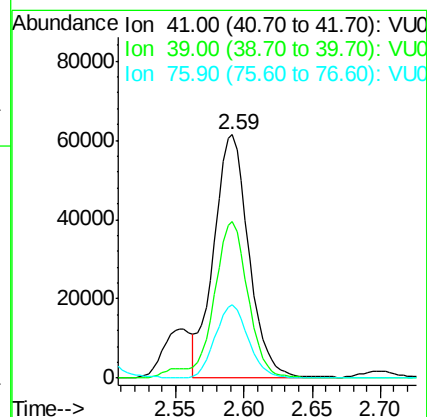
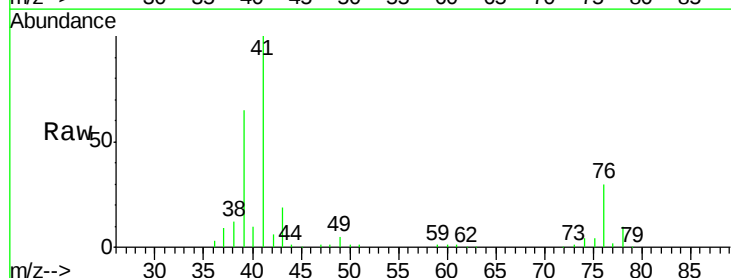
Tgt Ion: 41 Resp: 109399

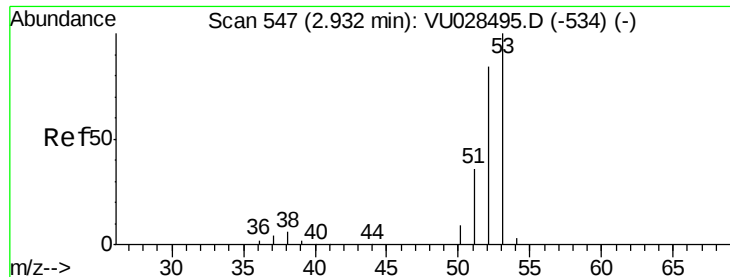
Ion Ratio Lower Upper

41 100

39 64.2 50.8 76.2

76 28.7 24.8 37.2





#15

Acrylonitrile

Concen: 331.353 ug/l

RT: 2.93 min Scan# 547

Delta R.T. -0.00 min

Lab File: VU028594.D

Acq: 11 Dec 2018 09:18

Instrument :

MSVOA_U

ClientSampleId :

P001-SW004-01MS

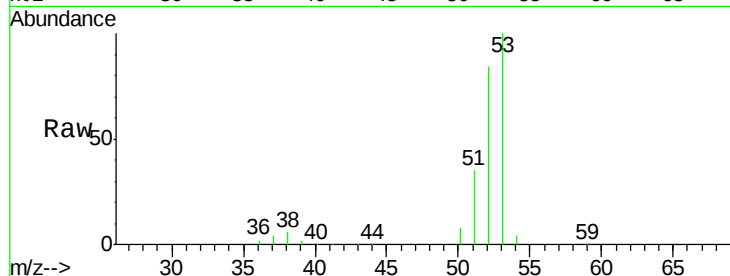
Tot Ion: 53 Resp: 264775

Ion Ratio Lower Upper

53 100

52 83.1 66.1 99.1

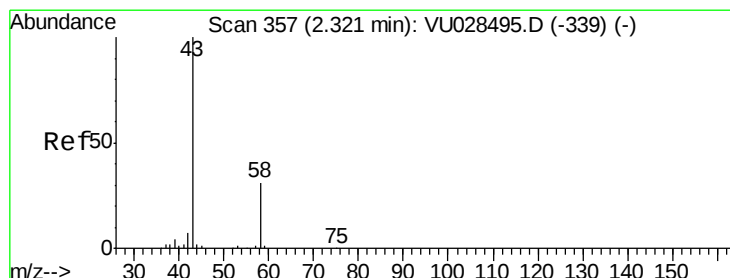
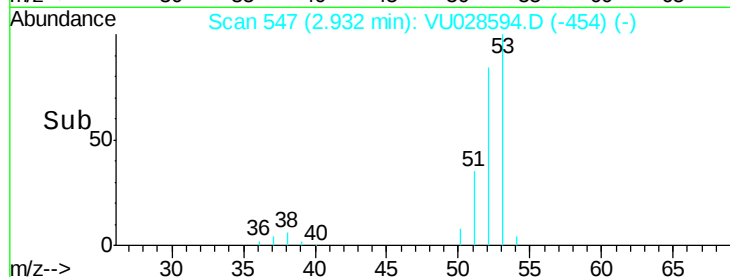
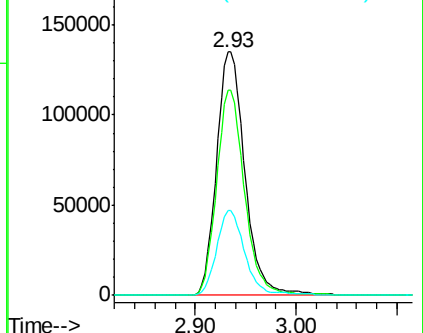
51 35.0 28.1 42.1



Abundance Ion 53.00 (52.70 to 53.70): VU0

Ion 52.00 (51.70 to 52.70): VU0

Ion 51.00 (50.70 to 51.70): VU0



#16

Acetone

Concen: 444.894 ug/l

RT: 2.32 min Scan# 357

Delta R.T. -0.00 min

Lab File: VU028594.D

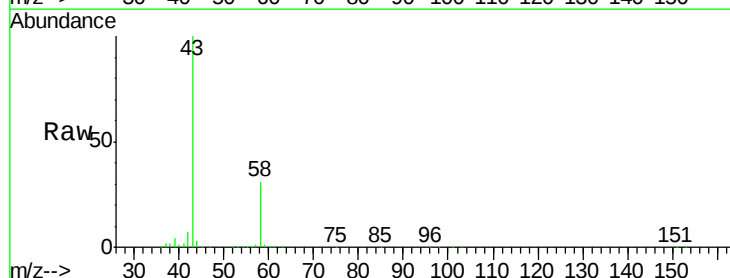
Acq: 11 Dec 2018 09:18

Tgt Ion: 43 Resp: 375040

Ion Ratio Lower Upper

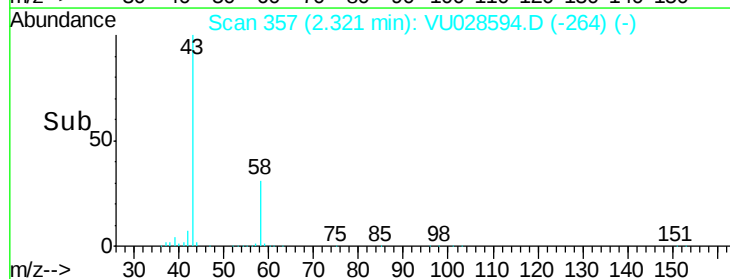
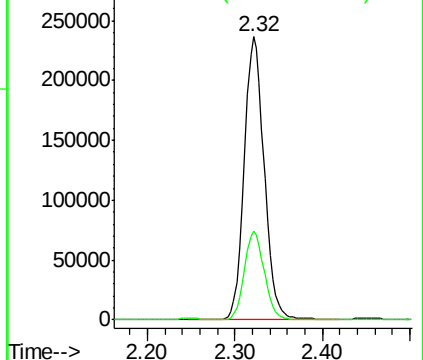
43 100

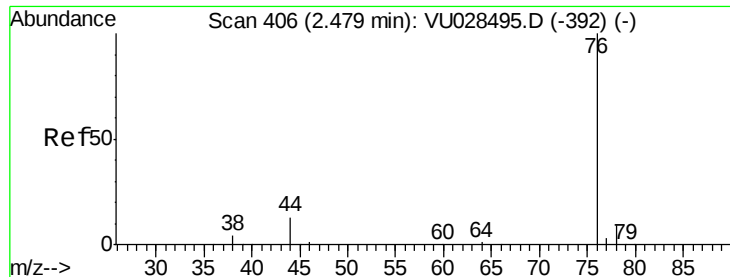
58 31.3 24.6 37.0



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0

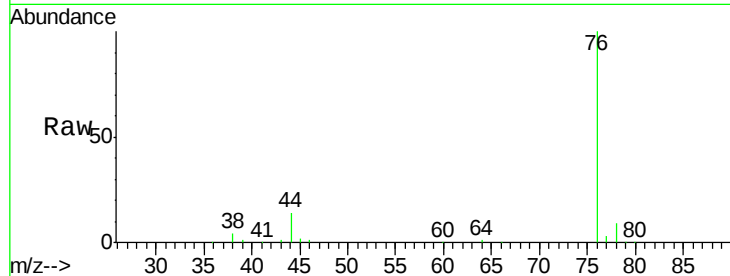




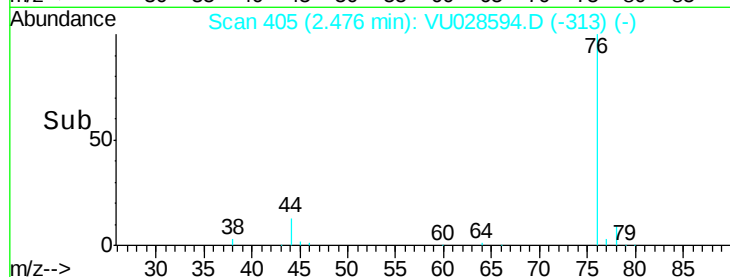
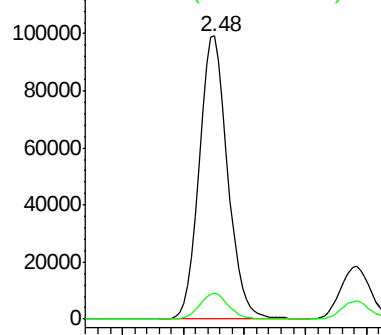
#17
Carbon Disulfide
Concen: 47.660 ug/l
RT: 2.48 min Scan# 405
Delta R.T. -0.00 min
Lab File: VU028594.D
Acq: 11 Dec 2018 09:18

Instrument :
MSVOA_U
ClientSampleId :
P001-SW004-01MS

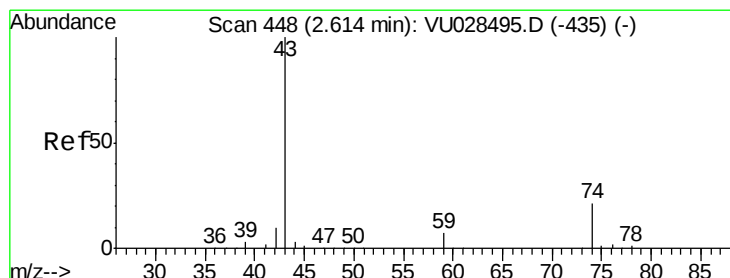
Tot Ion: 76 Resp: 161824
Ion Ratio Lower Upper
76 100
78 9.2 7.2 10.8



Abundance Ion 75.90 (75.60 to 76.60): VU0
Ion 77.90 (77.60 to 78.60): VU0

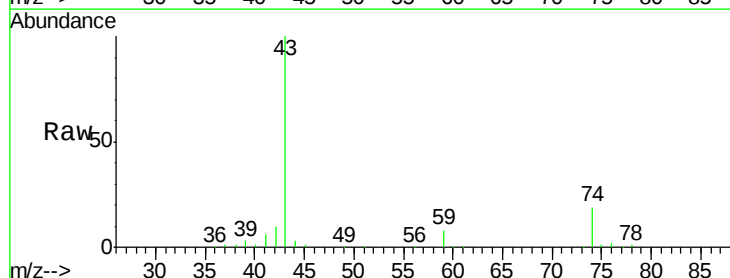


Time-->

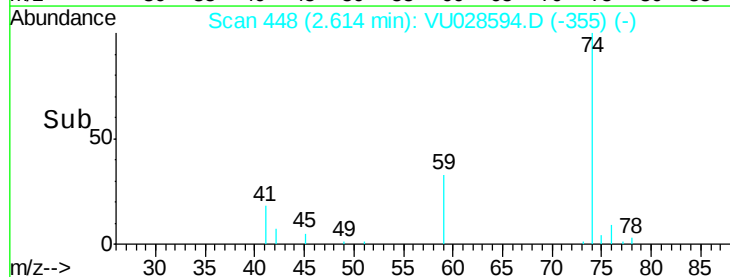
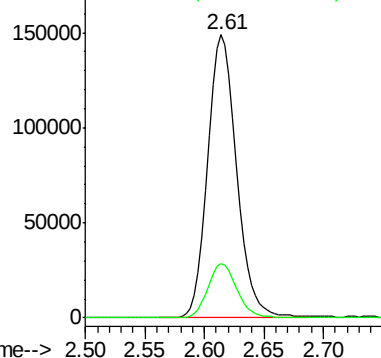


#18
Methyl Acetate
Concen: 114.786 ug/l
RT: 2.61 min Scan# 448
Delta R.T. -0.00 min
Lab File: VU028594.D
Acq: 11 Dec 2018 09:18

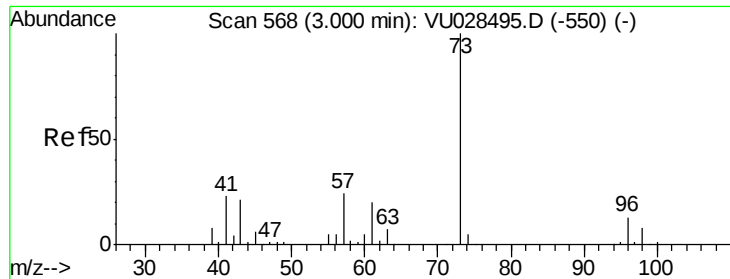
Tgt Ion: 43 Resp: 250836
Ion Ratio Lower Upper
43 100
74 19.5 16.4 24.6



Abundance Ion 43.00 (42.70 to 43.70): VU0
Ion 74.00 (73.70 to 74.70): VU0



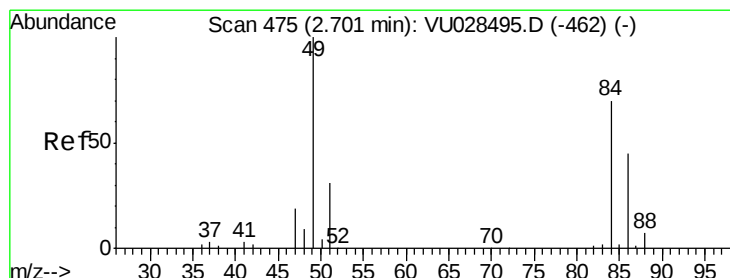
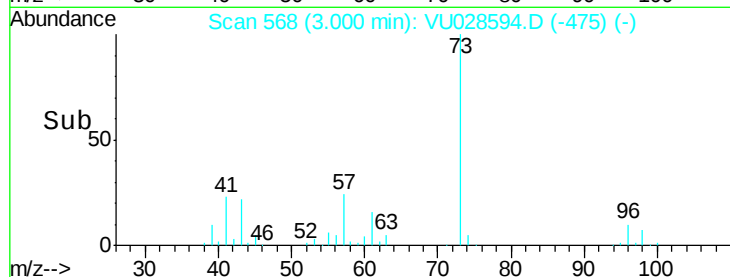
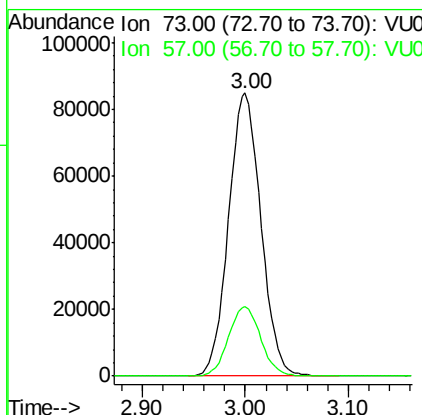
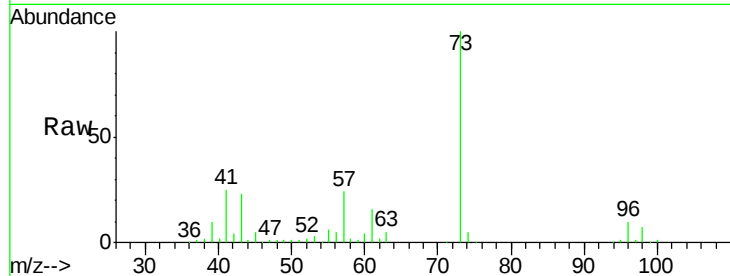
Time-->



#19
Methyl tert-butyl Ether
Concen: 51.895 ug/l
RT: 3.00 min Scan# 568
Delta R.T. -0.00 min
Lab File: VU028594.D
Acq: 11 Dec 2018 09:18

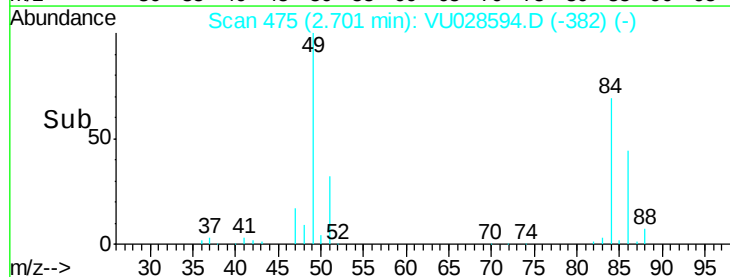
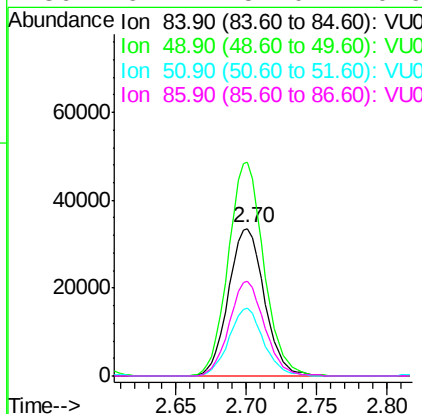
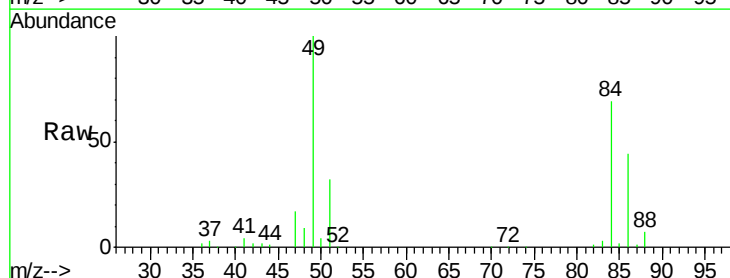
Instrument :
MSVOA_U
ClientSampleId :
P001-SW004-01MS

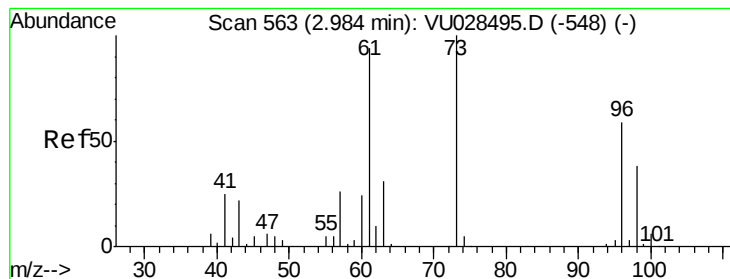
Tot Ion: 73 Resp: 185416
Ion Ratio Lower Upper
73 100
57 24.5 19.4 29.2



#20
Methylene Chloride
Concen: 48.173 ug/l
RT: 2.70 min Scan# 475
Delta R.T. -0.00 min
Lab File: VU028594.D
Acq: 11 Dec 2018 09:18

Tgt Ion: 84 Resp: 59864
Ion Ratio Lower Upper
84 100
49 144.6 114.0 171.0
51 46.0 35.1 52.7
86 64.2 51.0 76.6





#21

trans-1,2-Dichloroethene

Concen: 48.308 ug/l

RT: 2.98 min Scan# 562

Delta R.T. -0.00 min

Lab File: VU028594.D

Acq: 11 Dec 2018 09:18

Instrument :
MSVOA_U
ClientSampleId :
P001-SW004-01MS

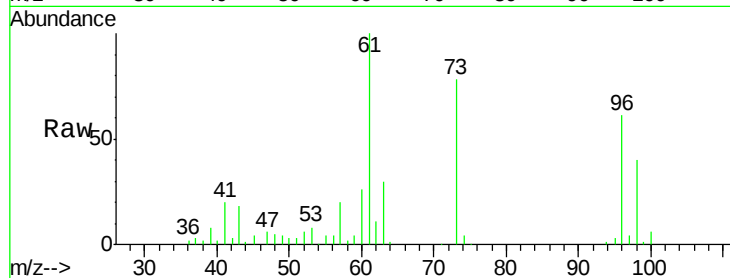
Tot Ion: 96 Resp: 51263

Ion Ratio Lower Upper

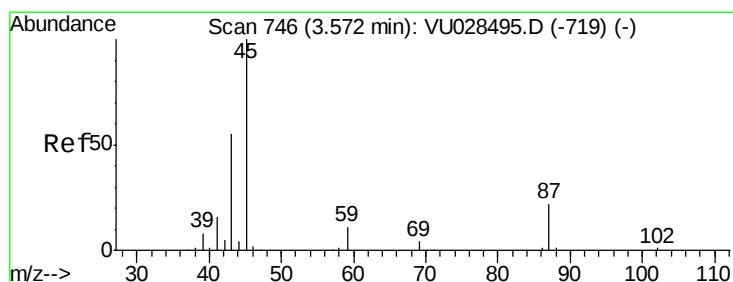
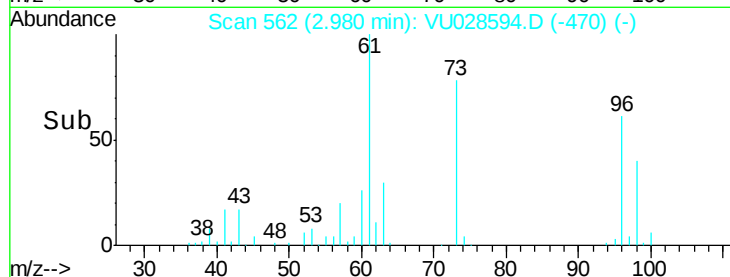
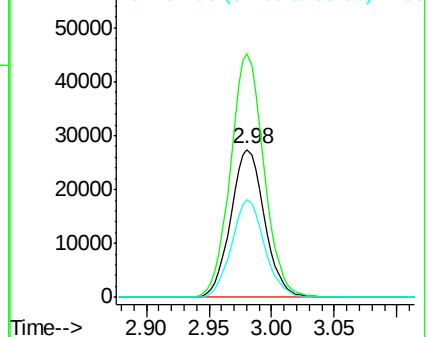
96 100

61 164.6 127.0 190.4

98 65.6 51.9 77.9



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: 53.470 ug/l

RT: 3.57 min Scan# 746

Delta R.T. -0.00 min

Lab File: VU028594.D

Acq: 11 Dec 2018 09:18

Tgt Ion: 45 Resp: 231840

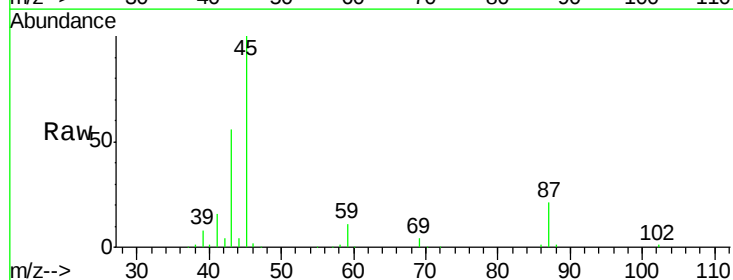
Ion Ratio Lower Upper

45 100

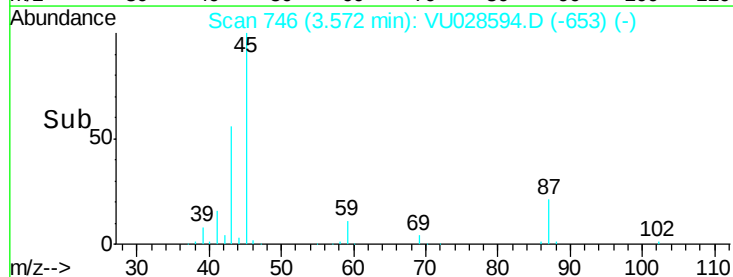
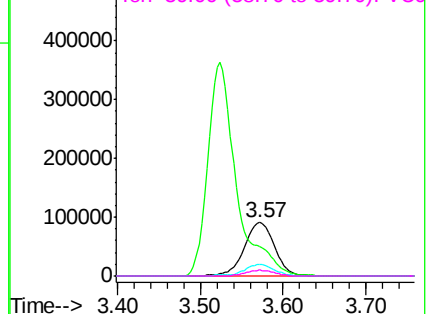
43 55.0 45.3 67.9

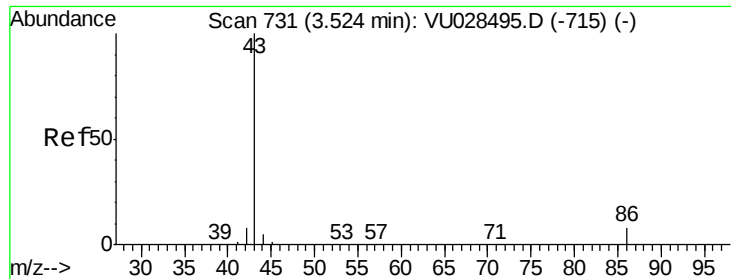
87 21.0 17.6 26.4

59 11.1 8.8 13.2



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: 245.886 ug/l

RT: 3.52 min Scan# 731

Delta R.T. -0.00 min

Lab File: VU028594.D

Acq: 11 Dec 2018 09:18

Instrument :

MSVOA_U

ClientSampleId :

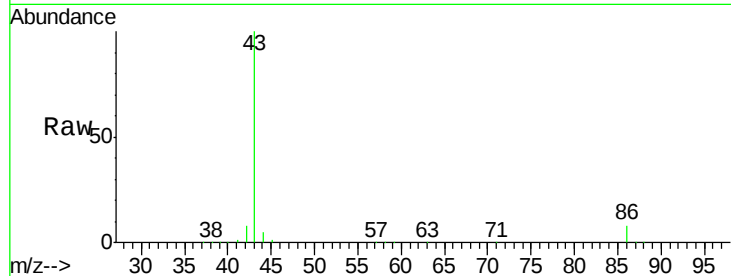
P001-SW004-01MS

Tot Ion: 43 Resp: 879398

Ion Ratio Lower Upper

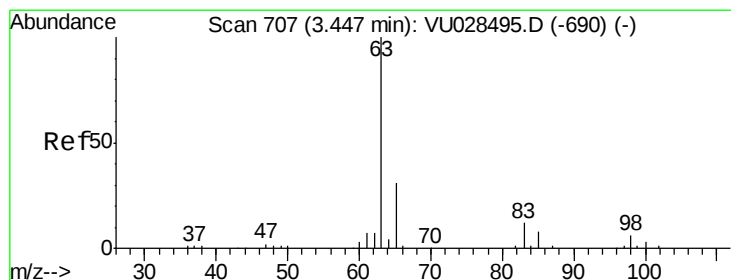
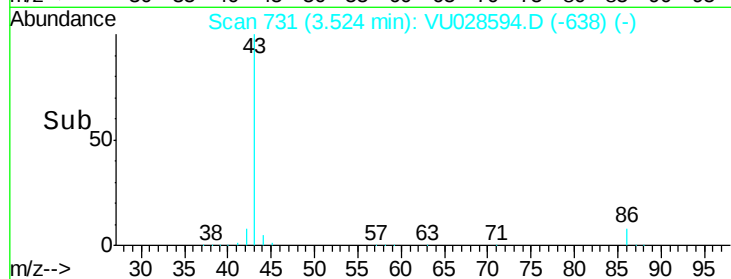
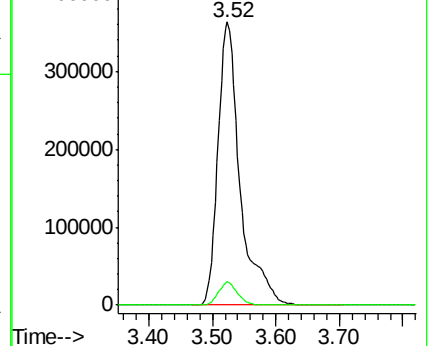
43 100

86 8.1 6.8 10.2



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 86.00 (85.70 to 86.70): VU0



#24

1,1-Dichloroethane

Concen: 50.952 ug/l

RT: 3.44 min Scan# 706

Delta R.T. -0.00 min

Lab File: VU028594.D

Acq: 11 Dec 2018 09:18

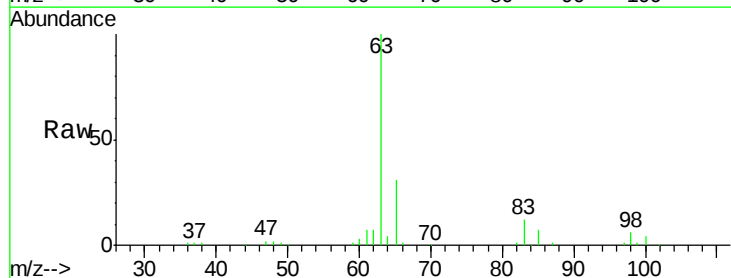
Tgt Ion: 63 Resp: 115645

Ion Ratio Lower Upper

63 100

98 5.7 3.0 9.2

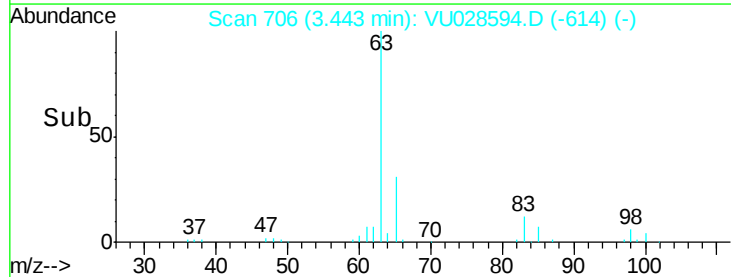
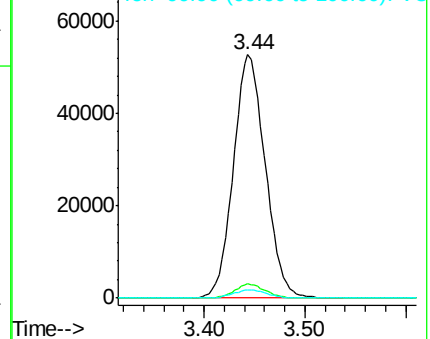
100 3.5 1.7 5.1

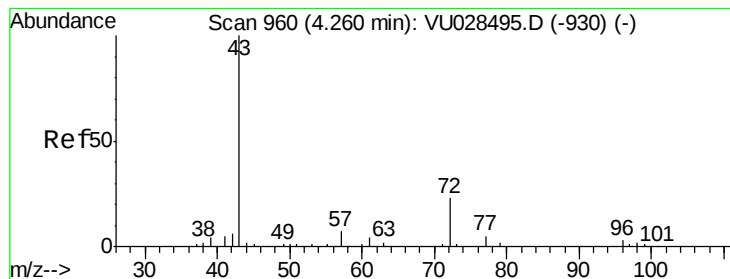


Abundance Ion 62.90 (62.60 to 63.60): VU0

Ion 97.90 (97.60 to 98.60): VU0

Ion 99.90 (99.60 to 100.60): VU0





#25

2-Butanone

Concen: 367.097 ug/l

RT: 4.26 min Scan# 960

Delta R.T. -0.00 min

Lab File: VU028594.D

Acq: 11 Dec 2018 09:18

Instrument :

MSVOA_U

ClientSampleId :

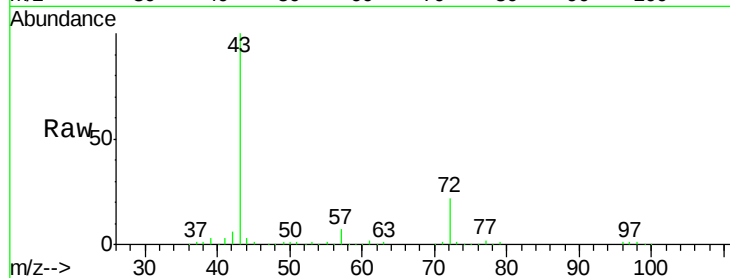
P001-SW004-01MS

Tot Ion: 43 Resp: 422906

Ion Ratio Lower Upper

43 100

72 22.1 18.6 28.0



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 72.00 (71.70 to 72.70): VU0

200000

150000

100000

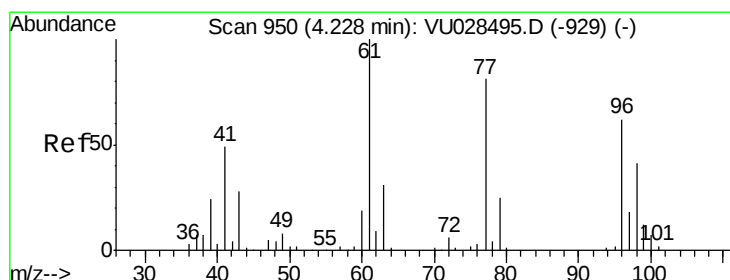
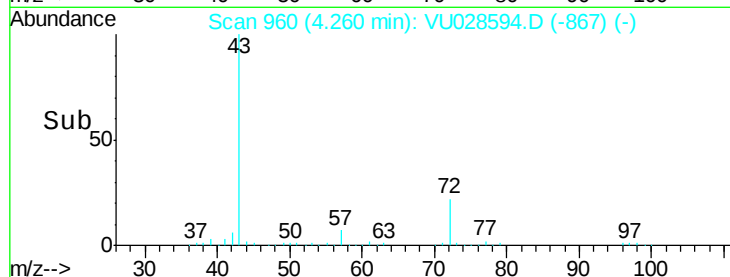
50000

0

4.20 4.30

4.26

Time-->



#26

2,2-Dichloropropane

Concen: 35.521 ug/l

RT: 4.22 min Scan# 949

Delta R.T. -0.00 min

Lab File: VU028594.D

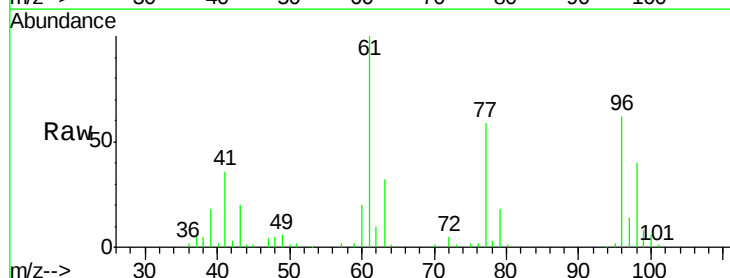
Acq: 11 Dec 2018 09:18

Tgt Ion: 77 Resp: 63881

Ion Ratio Lower Upper

77 100

97 22.9 11.0 33.0



Abundance Ion 76.90 (76.60 to 77.60): VU0

Ion 96.90 (96.60 to 97.60): VU0

25000

20000

15000

10000

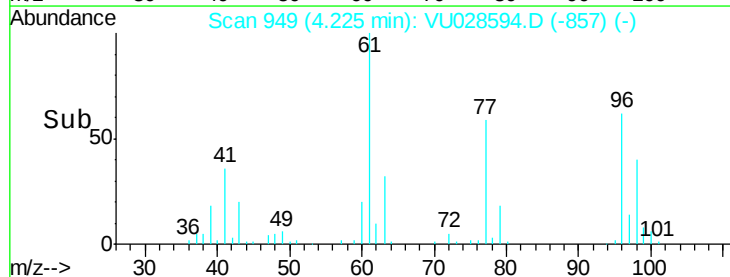
5000

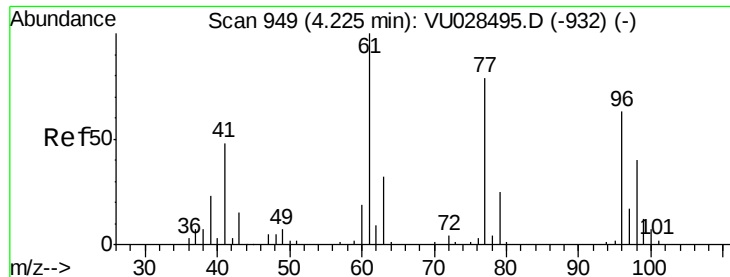
0

4.10 4.20 4.30

4.22

Time-->





#27

cis-1,2-Dichloroethene

Concen: 49.642 ug/l

RT: 4.22 min Scan# 949

Delta R.T. -0.00 min

Lab File: VU028594.D

Acq: 11 Dec 2018 09:18

Instrument :
MSVOA_U
ClientSampleId :
P001-SW004-01MS

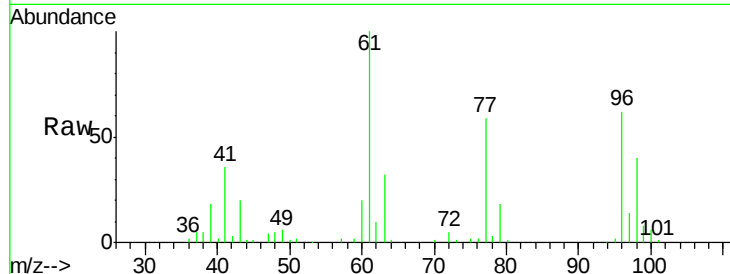
Tot Ion: 96 Resp: 59625

Ion Ratio Lower Upper

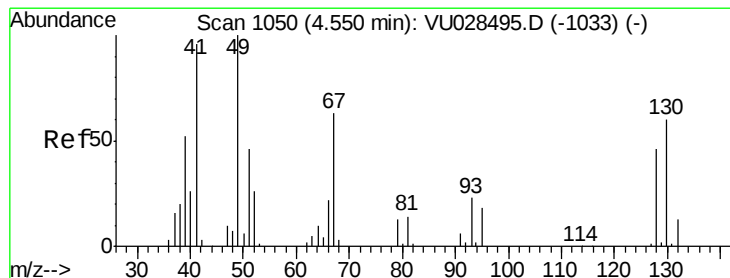
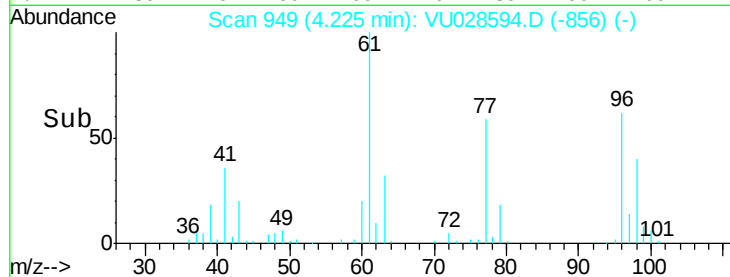
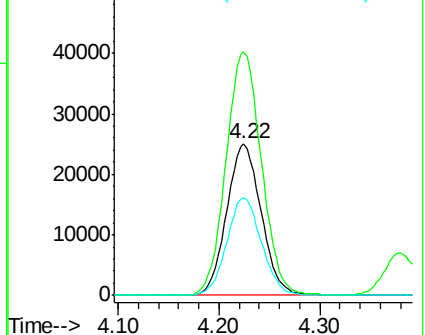
96 100

61 165.0 0.0 332.4

98 64.6 0.0 129.0



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: 56.661 ug/l

RT: 4.55 min Scan# 1050

Delta R.T. -0.00 min

Lab File: VU028594.D

Acq: 11 Dec 2018 09:18

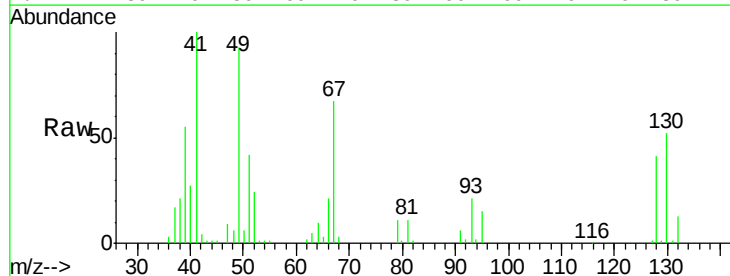
Tgt Ion: 49 Resp: 58462

Ion Ratio Lower Upper

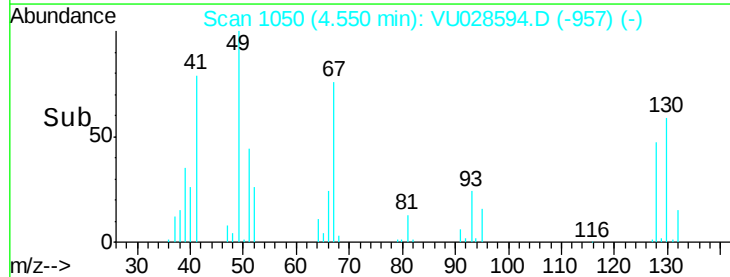
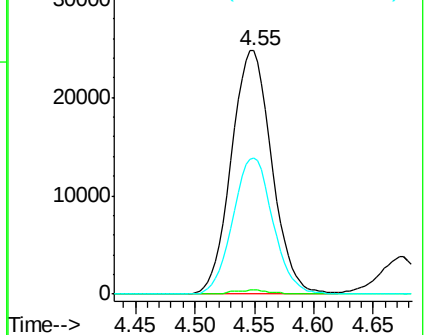
49 100

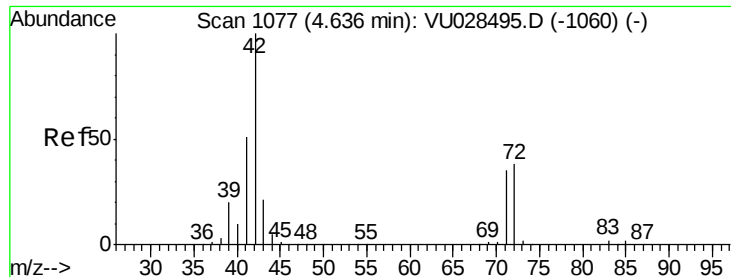
129 1.4 0.0 3.0

130 55.1 47.8 71.8



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: 369.516 ug/l

RT: 4.63 min Scan# 1076

Delta R.T. -0.00 min

Lab File: VU028594.D

Acq: 11 Dec 2018 09:18

Instrument :

MSVOA_U

ClientSampleId :

P001-SW004-01MS

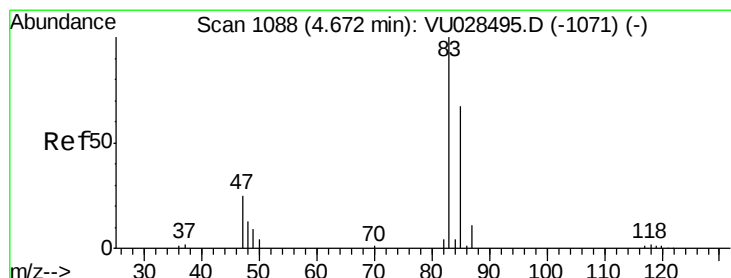
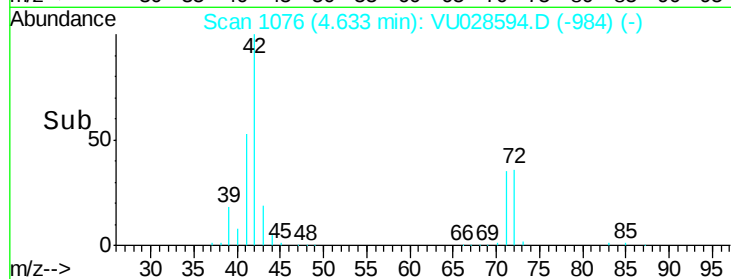
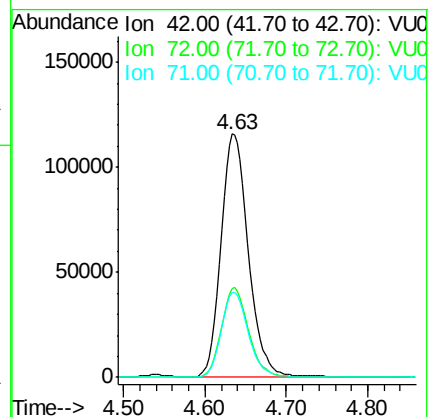
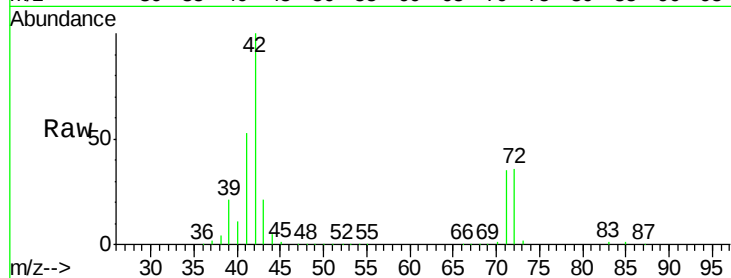
Tot Ion: 42 Resp: 273396

Ion Ratio Lower Upper

42 100

72 36.9 31.4 47.0

71 34.8 28.6 43.0



#30

Chloroform

Concen: 51.902 ug/l

RT: 4.67 min Scan# 1088

Delta R.T. -0.00 min

Lab File: VU028594.D

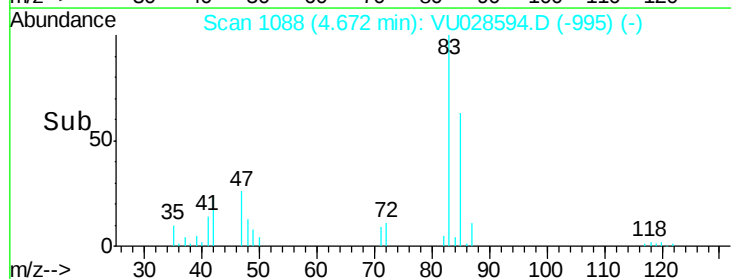
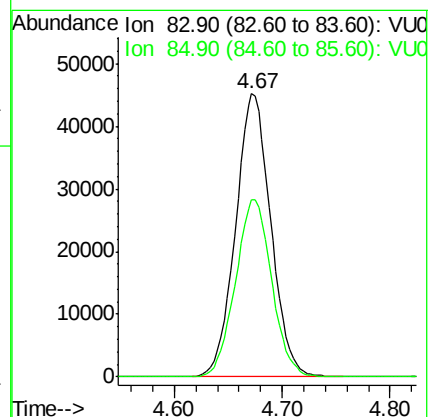
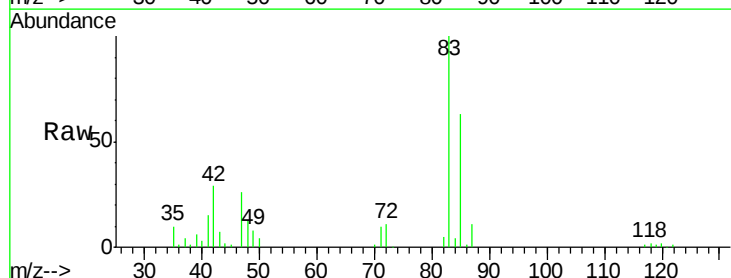
Acq: 11 Dec 2018 09:18

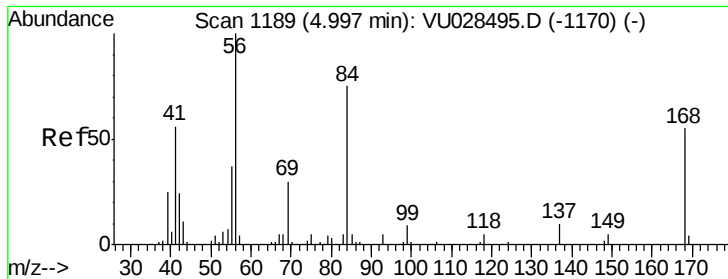
Tgt Ion: 83 Resp: 102670

Ion Ratio Lower Upper

83 100

85 62.7 53.6 80.4

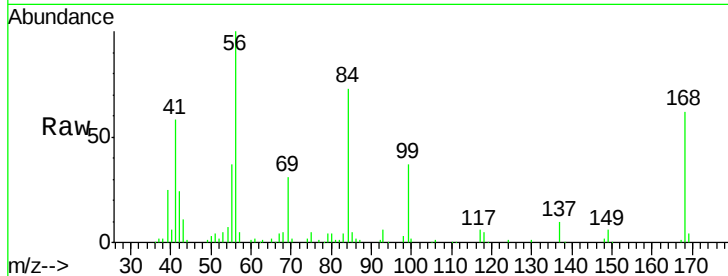




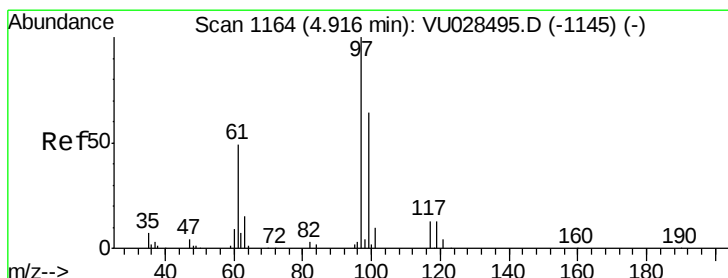
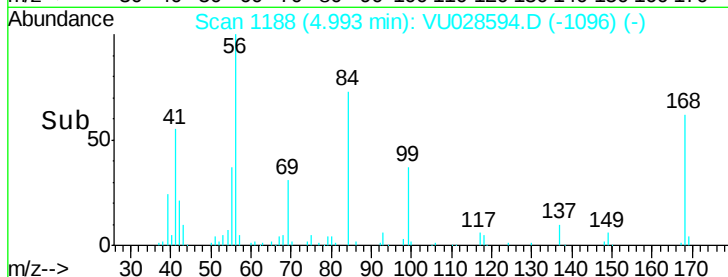
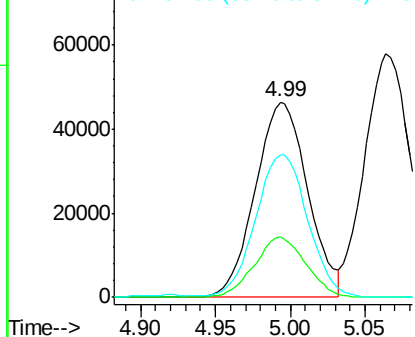
#31
Cyclohexane
Concen: 51.023 ug/l
RT: 4.99 min Scan# 1188
Delta R.T. -0.00 min
Lab File: VU028594.D
Acq: 11 Dec 2018 09:18

Instrument :
MSVOA_U
ClientSampleId :
P001-SW004-01MS

Tot Ion: 56 Resp: 112955
Ion Ratio Lower Upper
56 100
69 30.8 24.0 36.0
84 72.7 59.7 89.5

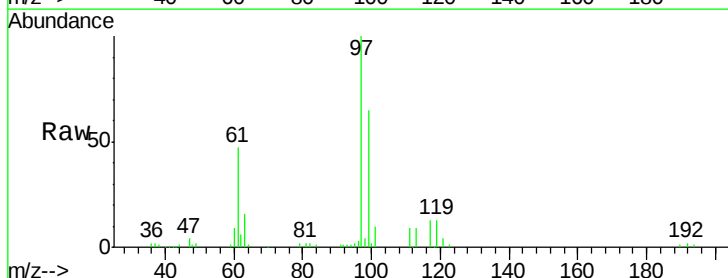


Abundance Ion 56.00 (55.70 to 56.70): VU0
Ion 69.00 (68.70 to 69.70): VU0
Ion 84.00 (83.70 to 84.70): VU0

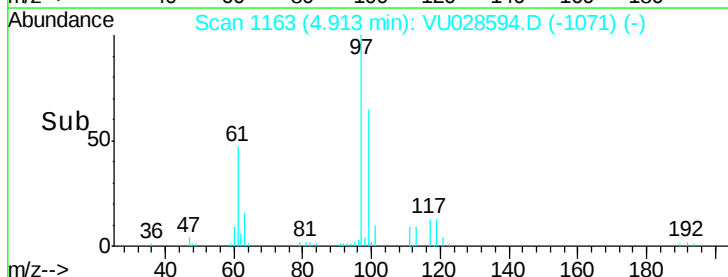
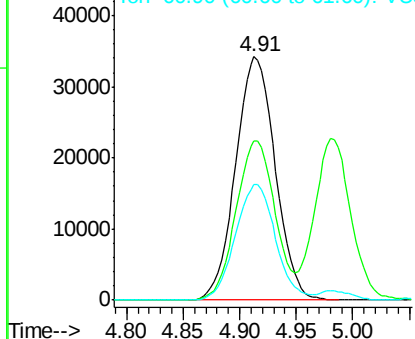


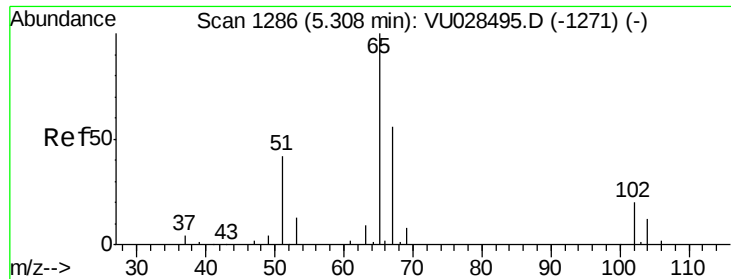
#32
1,1,1-Trichloroethane
Concen: 50.673 ug/l
RT: 4.91 min Scan# 1163
Delta R.T. -0.00 min
Lab File: VU028594.D
Acq: 11 Dec 2018 09:18

Tgt Ion: 97 Resp: 83251
Ion Ratio Lower Upper
97 100
99 64.5 52.3 78.5
61 48.1 39.0 58.6



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

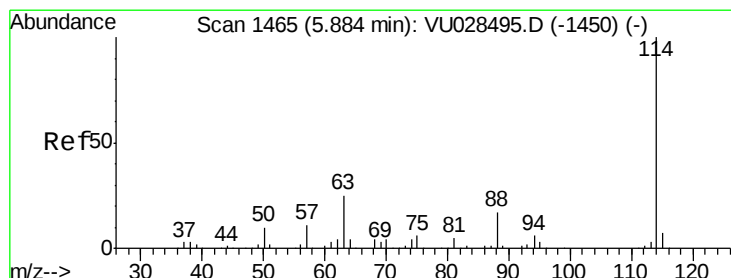
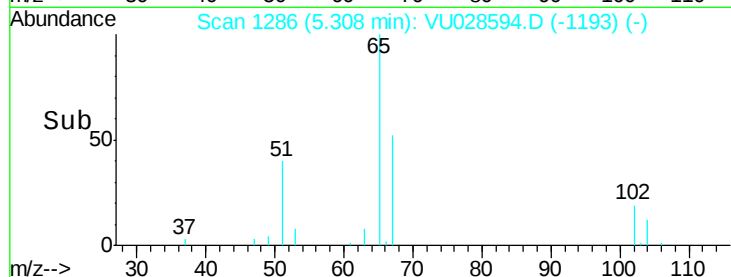
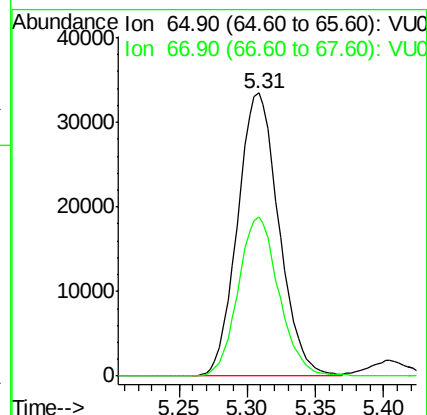
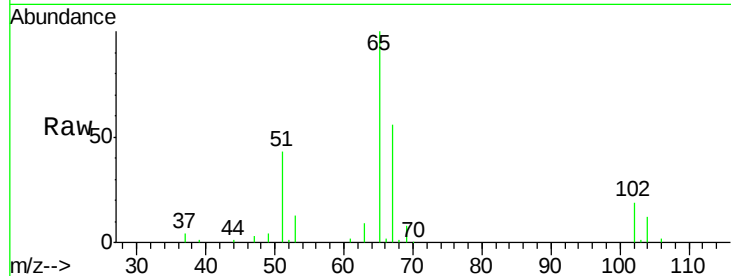




#33
 1,2-Dichloroethane-d4
 Concen: 54.502 ug/l
 RT: 5.31 min Scan# 1286
 Delta R.T. -0.00 min
 Lab File: VU028594.D
 Acq: 11 Dec 2018 09:18

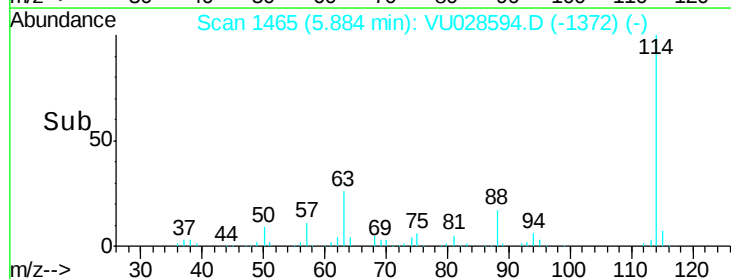
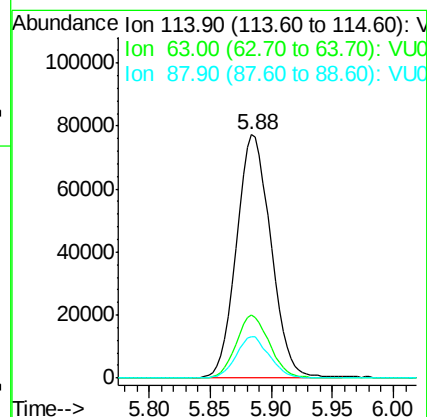
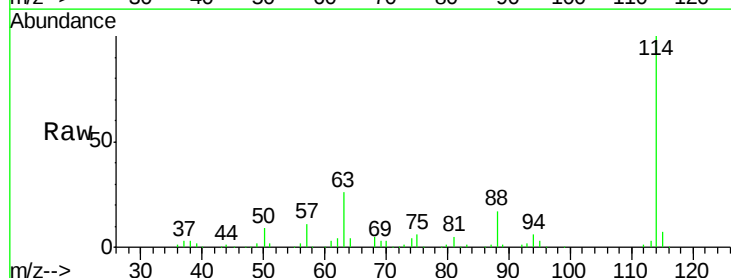
Instrument :
 MSVOA_U
 ClientSampleId :
 P001-SW004-01MS

Tot Ion: 65 Resp: 70408
 Ion Ratio Lower Upper
 65 100
 67 55.3 0.0 110.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.88 min Scan# 1465
 Delta R.T. -0.00 min
 Lab File: VU028594.D
 Acq: 11 Dec 2018 09:18

Tgt Ion: 114 Resp: 151761
 Ion Ratio Lower Upper
 114 100
 63 25.8 0.0 49.2
 88 17.2 0.0 33.4

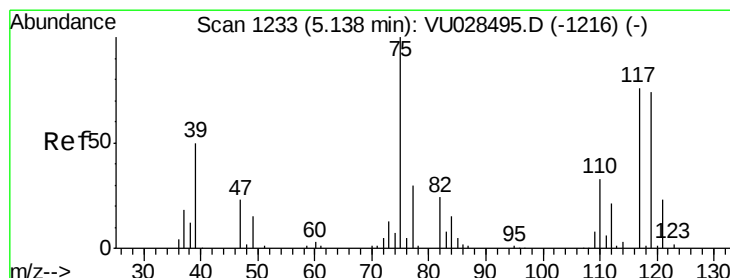
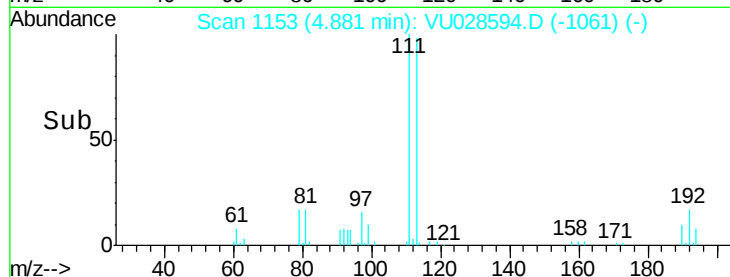
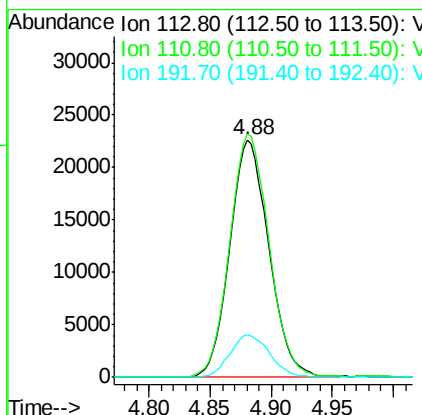
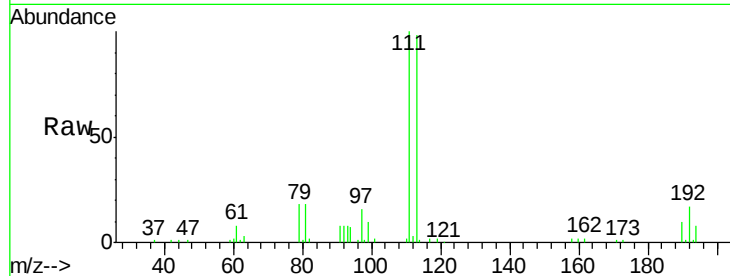




#35
 Dibromofluoromethane
 Concen: 52.792 ug/l
 RT: 4.88 min Scan# 1153
 Delta R.T. -0.00 min
 Lab File: VU028594.D
 Acq: 11 Dec 2018 09:18

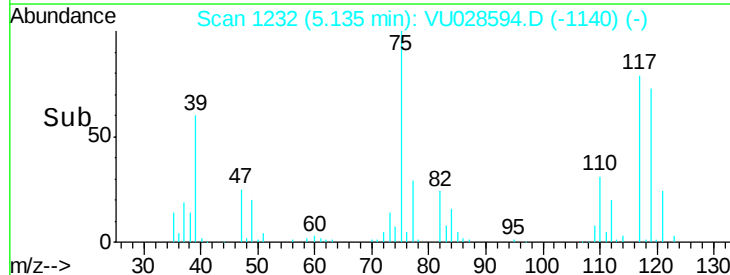
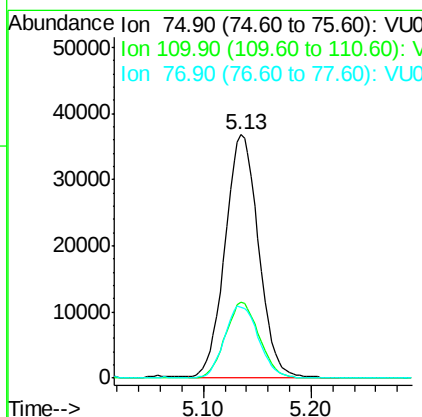
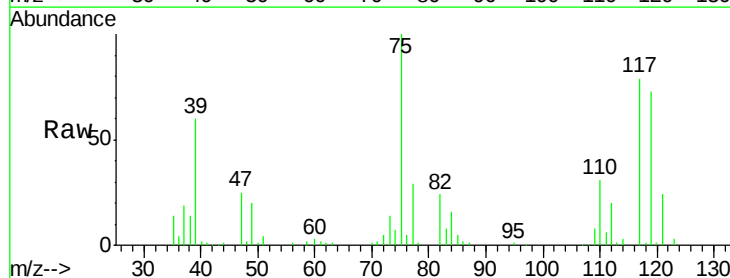
Instrument :
 MSVOA_U
 ClientSampleId :
 P001-SW004-01MS

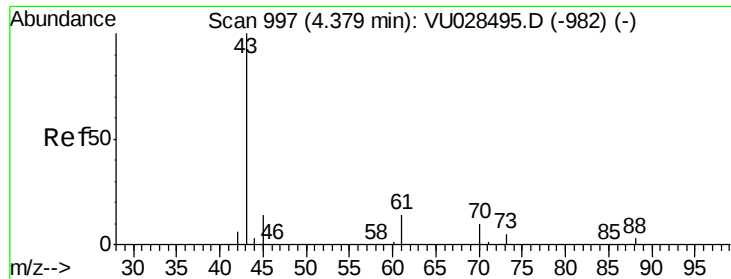
Tot Ion:113 Resp: 50419
 Ion Ratio Lower Upper
 113 100
 111 102.8 83.4 125.0
 192 18.2 14.8 22.2



#36
 1,1-Dichloropropene
 Concen: 47.696 ug/l
 RT: 5.13 min Scan# 1232
 Delta R.T. -0.00 min
 Lab File: VU028594.D
 Acq: 11 Dec 2018 09:18

Tgt Ion: 75 Resp: 79208
 Ion Ratio Lower Upper
 75 100
 110 31.6 16.1 48.2
 77 30.5 24.5 36.7





#37

Ethyl Acetate

Concen: 58.860 ug/l

RT: 4.38 min Scan# 997

Delta R.T. -0.00 min

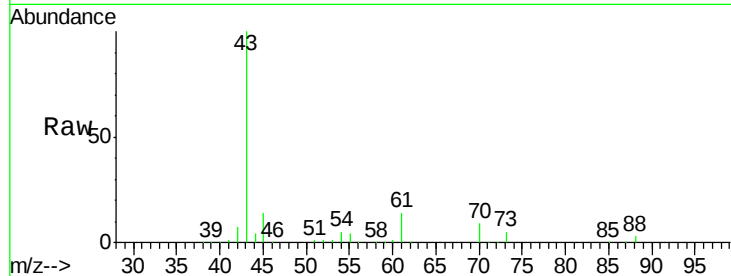
Lab File: VU028594.D

Acq: 11 Dec 2018 09:18

Instrument :
MSVOA_U
ClientSampleId :
P001-SW004-01MS

Tot Ion: 43 Resp: 126361

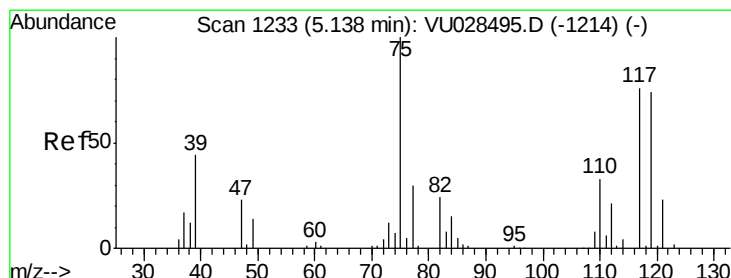
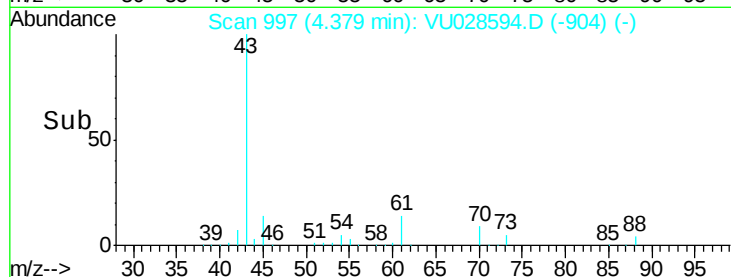
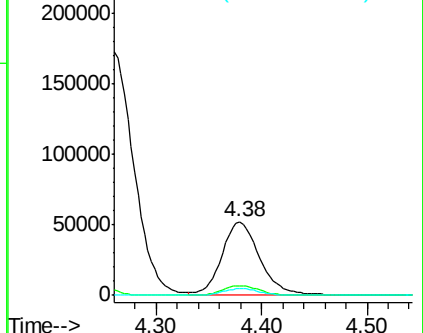
Ion	Ratio	Lower	Upper
43	100		
61	13.3	11.0	16.4
70	8.8	7.4	11.0



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 60.90 (60.60 to 61.60): VU0

Ion 70.00 (69.70 to 70.70): VU0



#38

Carbon Tetrachloride

Concen: 49.011 ug/l

RT: 5.13 min Scan# 1232

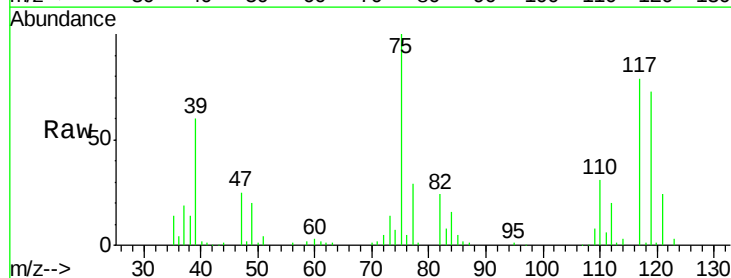
Delta R.T. -0.00 min

Lab File: VU028594.D

Acq: 11 Dec 2018 09:18

Tgt Ion: 117 Resp: 65603

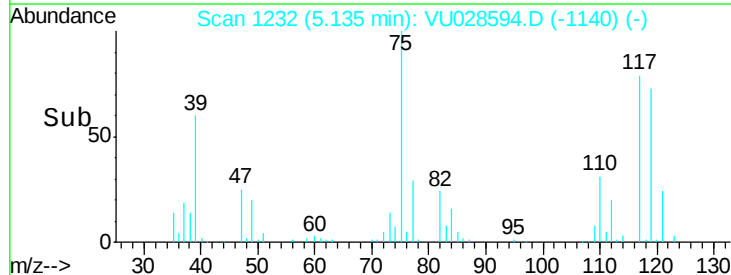
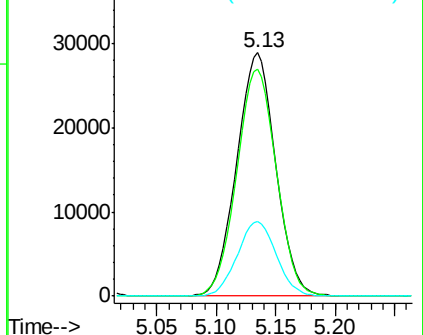
Ion	Ratio	Lower	Upper
117	100		
119	93.0	77.6	116.4
121	30.5	24.6	36.8

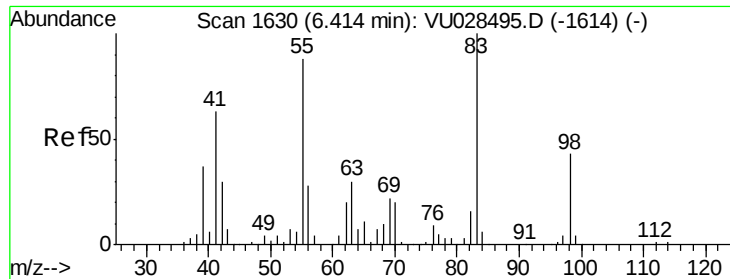


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V

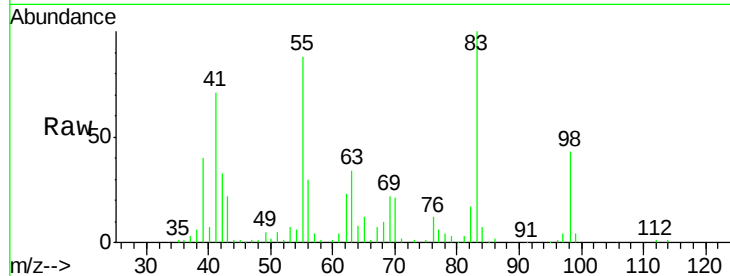




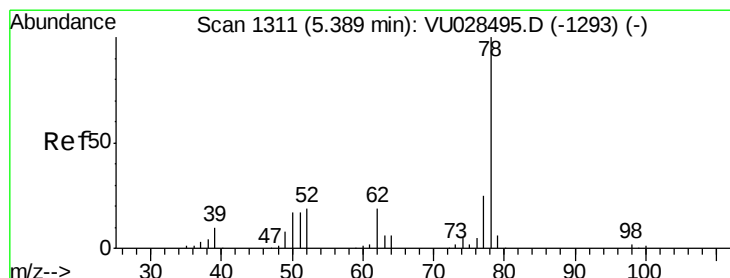
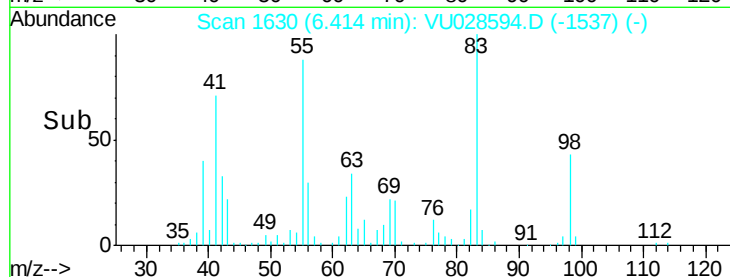
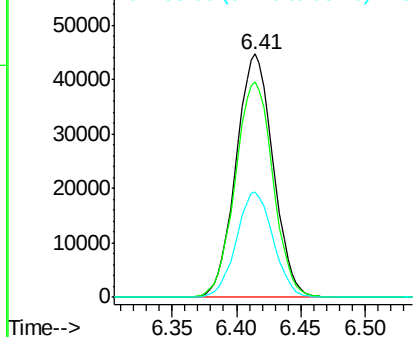
#39
Methvlcvclohexane
Concen: 44.185 ug/l
RT: 6.41 min Scan# 1630
Delta R.T. -0.00 min
Lab File: VU028594.D
Acq: 11 Dec 2018 09:18

Instrument :
MSVOA_U
ClientSampleId :
P001-SW004-01MS

Tot Ion: 83 Resp: 89520
Ion Ratio Lower Upper
83 100
55 88.3 70.2 105.2
98 43.0 34.2 51.4

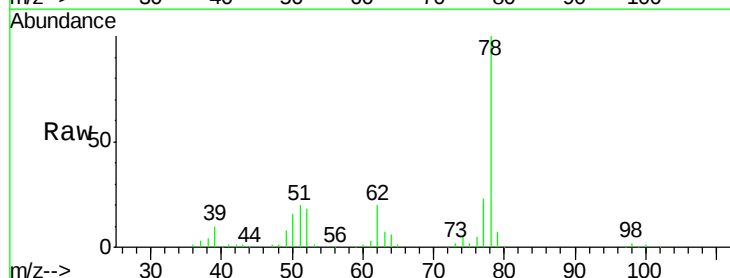


Abundance Ion 83.00 (82.70 to 83.70): VU0
Ion 55.00 (54.70 to 55.70): VU0
Ion 98.00 (97.70 to 98.70): VU0

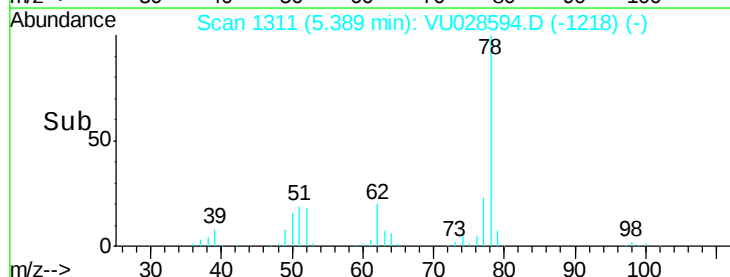
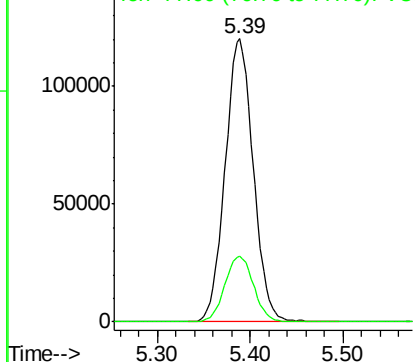


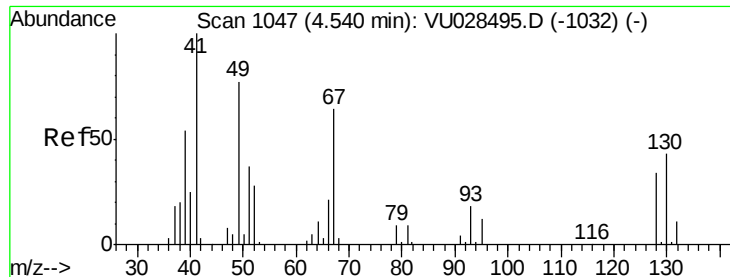
#40
Benzene
Concen: 51.716 ug/l
RT: 5.39 min Scan# 1311
Delta R.T. -0.00 min
Lab File: VU028594.D
Acq: 11 Dec 2018 09:18

Tgt Ion: 78 Resp: 252951
Ion Ratio Lower Upper
78 100
77 23.2 19.9 29.9



Abundance Ion 78.00 (77.70 to 78.70): VU0
Ion 77.00 (76.70 to 77.70): VU0

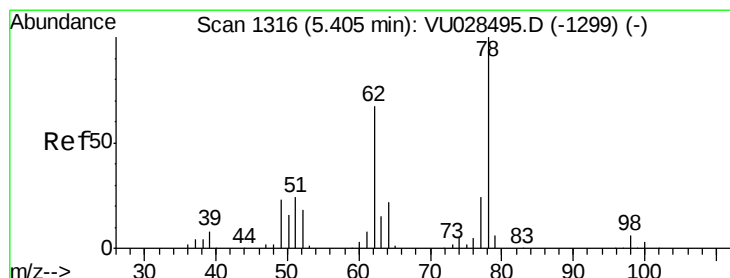
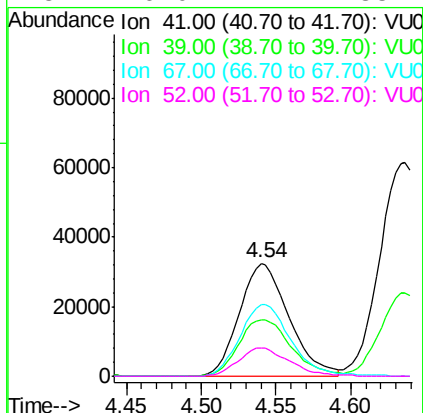
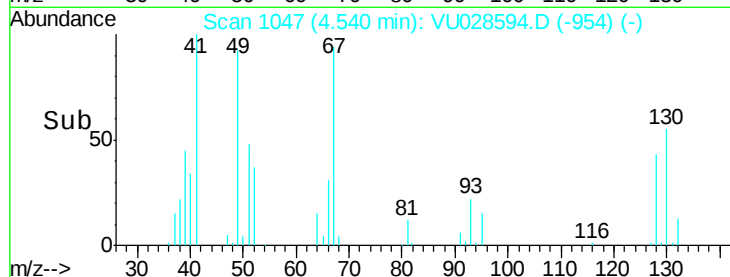
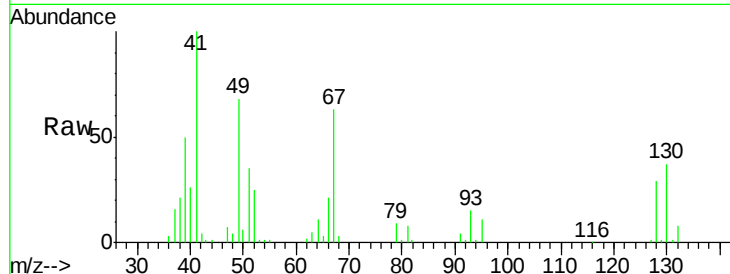




#41
Methacrylonitrile
Concen: 63.707 ug/l
RT: 4.54 min Scan# 1047
Delta R.T. -0.00 min
Lab File: VU028594.D
Acq: 11 Dec 2018 09:18

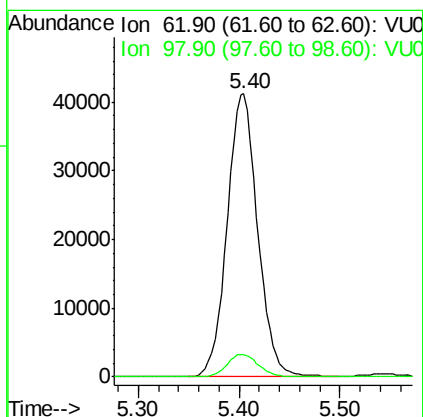
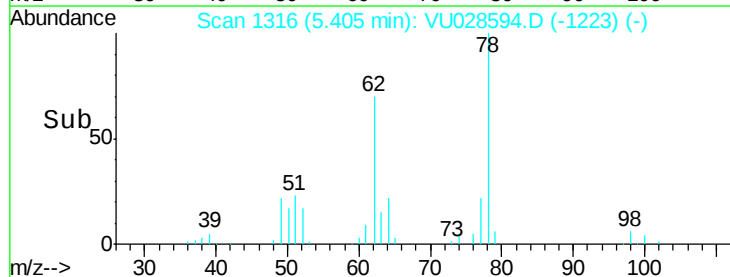
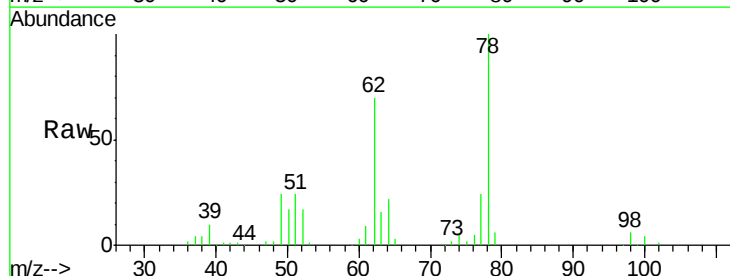
Instrument :
MSVOA_U
ClientSampleId :
P001-SW004-01MS

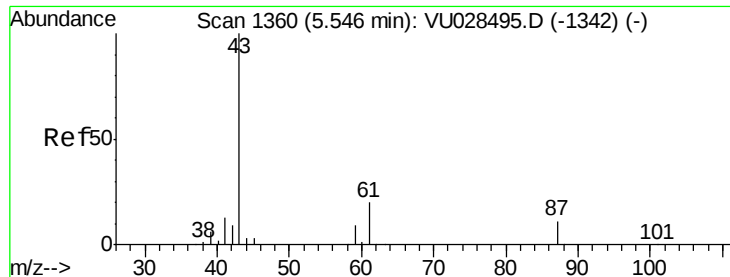
Tot Ion:	41	Resp:	74899
Ion	Ratio	Lower	Upper
41	100		
39	53.4	43.3	64.9
67	65.1	53.6	80.4
52	26.0	22.1	33.1



#42
1,2-Dichloroethane
Concen: 50.718 ug/l
RT: 5.40 min Scan# 1316
Delta R.T. -0.00 min
Lab File: VU028594.D
Acq: 11 Dec 2018 09:18

Tgt Ion:	62	Resp:	86833
Ion	Ratio	Lower	Upper
62	100		
98	8.1	0.0	17.2





#43

Isopropyl Acetate

Concen: 56.756 ug/l

RT: 5.55 min Scan# 1360

Delta R.T. -0.00 min

Lab File: VU028594.D

Acq: 11 Dec 2018 09:18

Instrument :

MSVOA_U

ClientSampleId :

P001-SW004-01MS

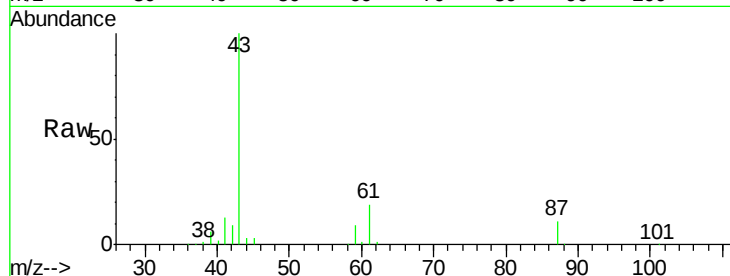
Tot Ion: 43 Resp: 192718

Ion Ratio Lower Upper

43 100

61 18.6 15.5 23.3

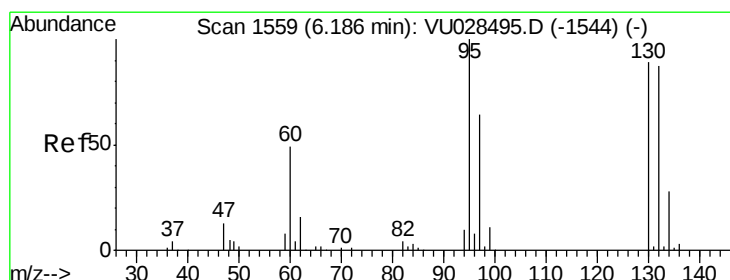
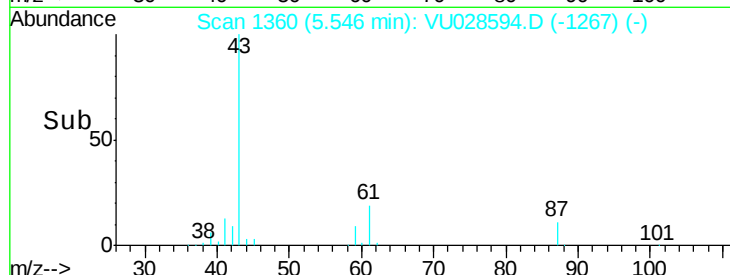
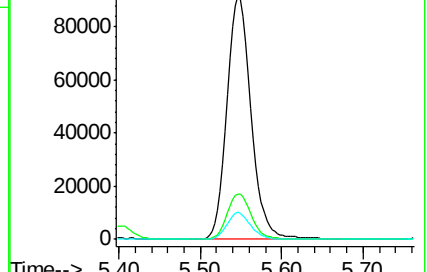
87 10.7 8.7 13.1



Abundance Ion 43.00 (42.70 to 43.70): VU028495.D (-1342) (-)

Ion 61.00 (60.70 to 61.70): VU028495.D (-1342) (-)

Ion 87.00 (86.70 to 87.70): VU028495.D (-1342) (-)



#44

Trichloroethene

Concen: 48.958 ug/l

RT: 6.19 min Scan# 1559

Delta R.T. -0.00 min

Lab File: VU028594.D

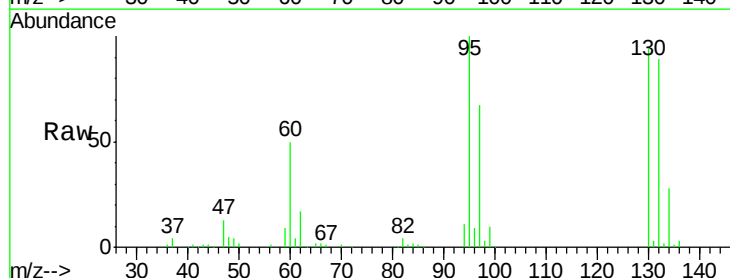
Acq: 11 Dec 2018 09:18

Tgt Ion:130 Resp: 53244

Ion Ratio Lower Upper

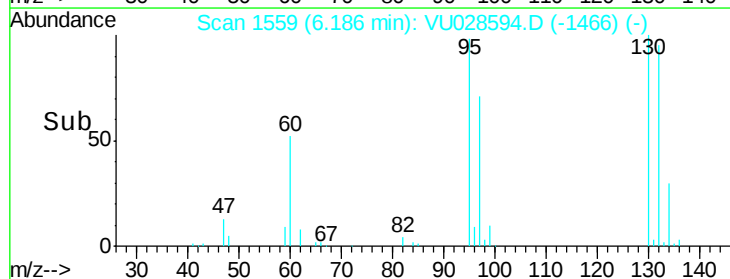
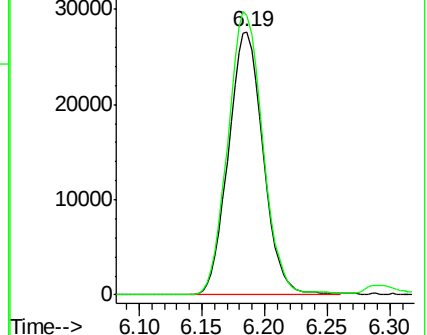
130 100

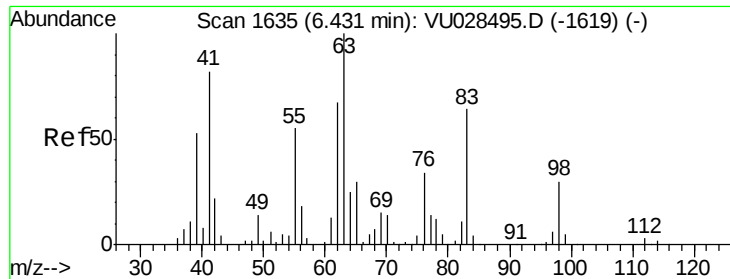
95 106.3 0.0 224.0



Abundance Ion 129.80 (129.50 to 130.50): VU028495.D (-1544) (-)

Ion 94.90 (94.60 to 95.60): VU028495.D (-1544) (-)





#45

1,2-Dichloropropane

Concen: 51.931 ug/l

RT: 6.43 min Scan# 1635

Delta R.T. -0.00 min

Lab File: VU028594.D

Acq: 11 Dec 2018 09:18

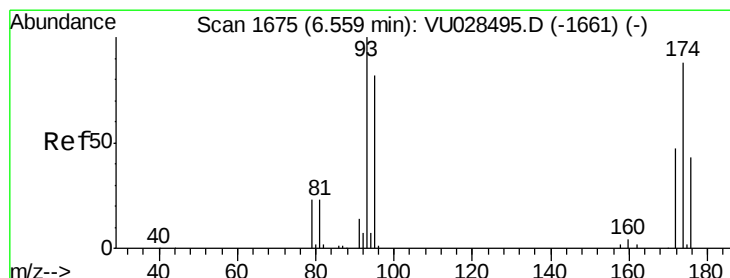
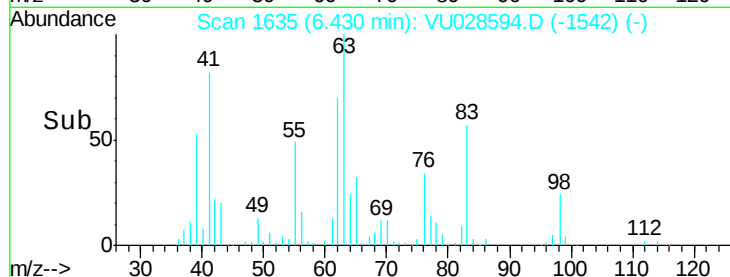
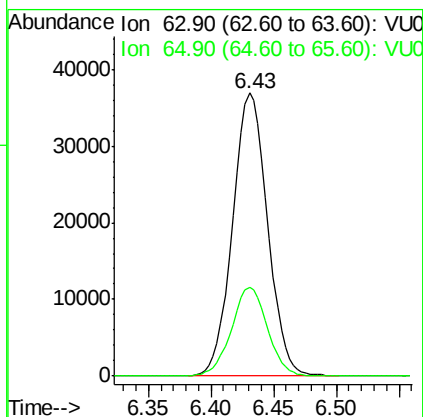
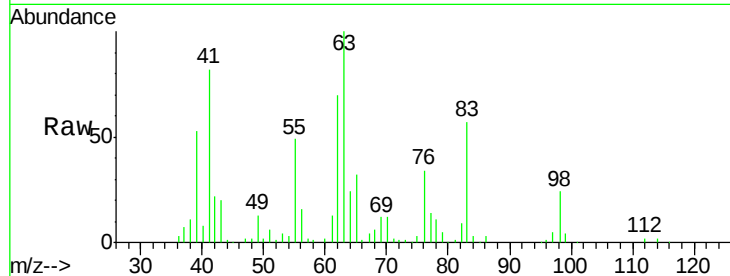
Instrument :
MSVOA_U
ClientSampleId :
P001-SW004-01MS

Tot Ion: 63 Resp: 71427

Ion Ratio Lower Upper

63 100

65 31.6 24.2 36.4



#46

Dibromomethane

Concen: 50.494 ug/l

RT: 6.56 min Scan# 1675

Delta R.T. -0.00 min

Lab File: VU028594.D

Acq: 11 Dec 2018 09:18

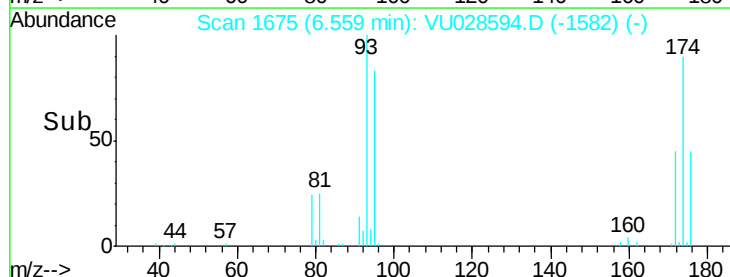
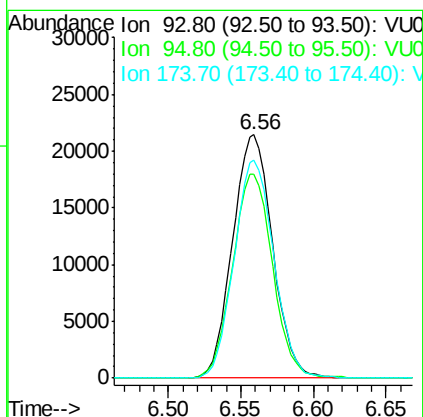
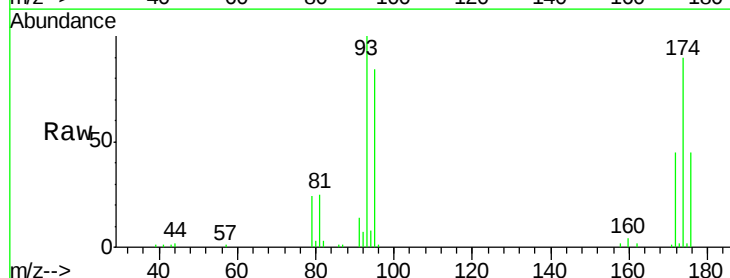
Tgt Ion: 93 Resp: 41207

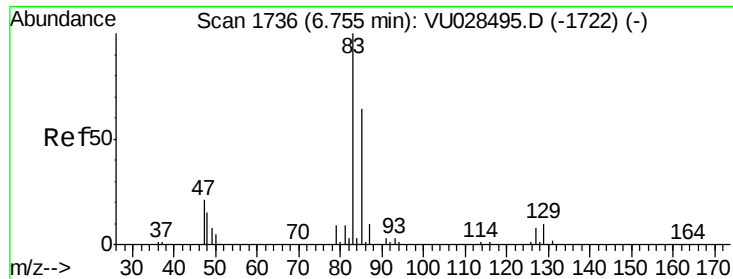
Ion Ratio Lower Upper

93 100

95 83.8 65.4 98.2

174 89.0 72.2 108.4

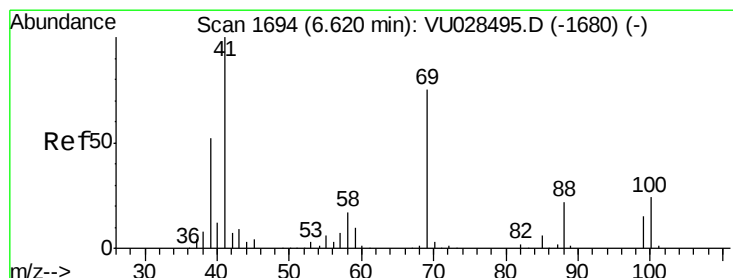
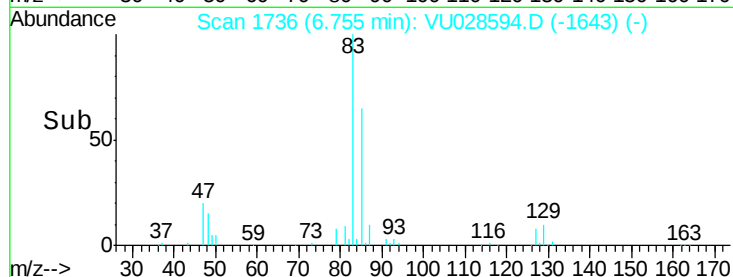
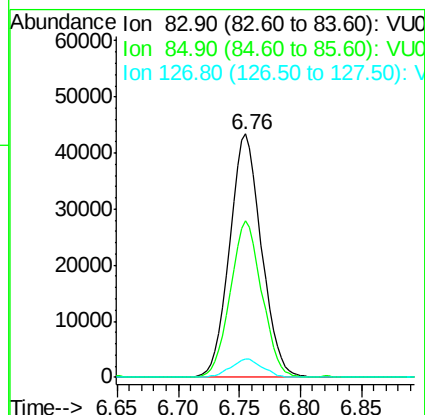
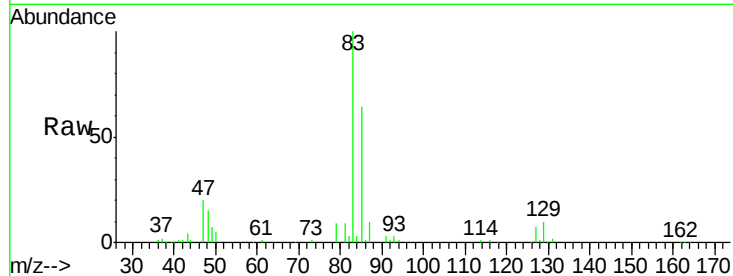




#47
Bromodichloromethane
Concen: 49.851 ug/l
RT: 6.76 min Scan# 1736
Delta R.T. -0.00 min
Lab File: VU028594.D
Acq: 11 Dec 2018 09:18

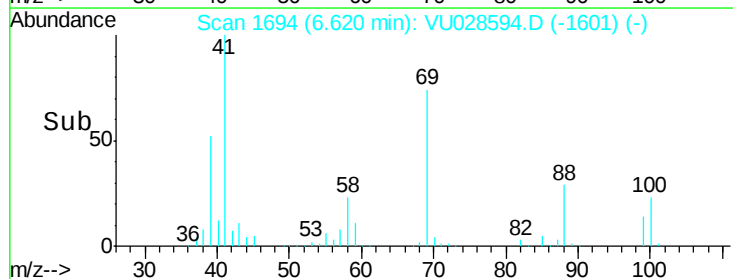
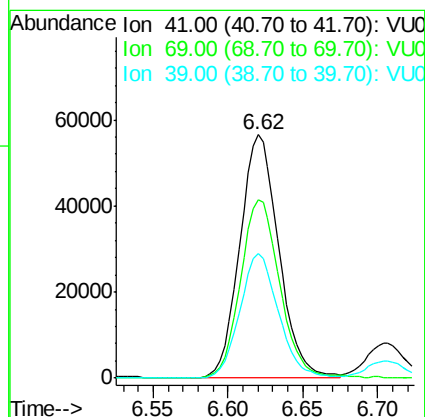
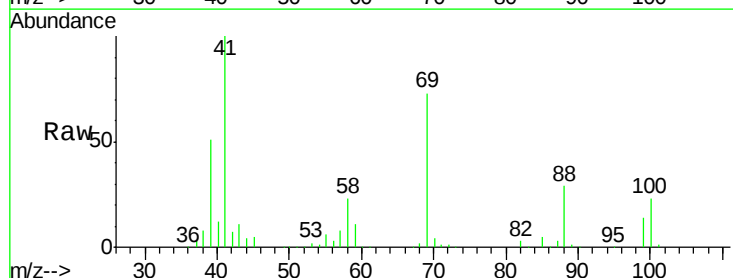
Instrument :
MSVOA_U
ClientSampleId :
P001-SW004-01MS

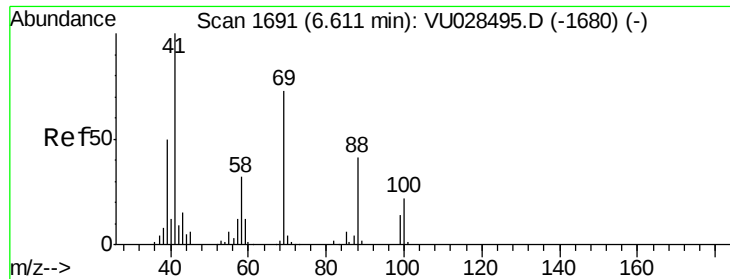
Tot Ion: 83 Resp: 79165
Ion Ratio Lower Upper
83 100
85 64.2 51.5 77.3
127 7.5 6.2 9.4



#48
Methyl methacrylate
Concen: 60.249 ug/l
RT: 6.62 min Scan# 1694
Delta R.T. -0.00 min
Lab File: VU028594.D
Acq: 11 Dec 2018 09:18

Tgt Ion: 41 Resp: 101738
Ion Ratio Lower Upper
41 100
69 74.7 60.4 90.6
39 51.4 41.1 61.7

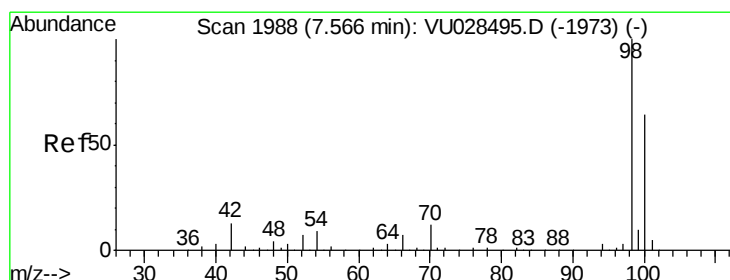
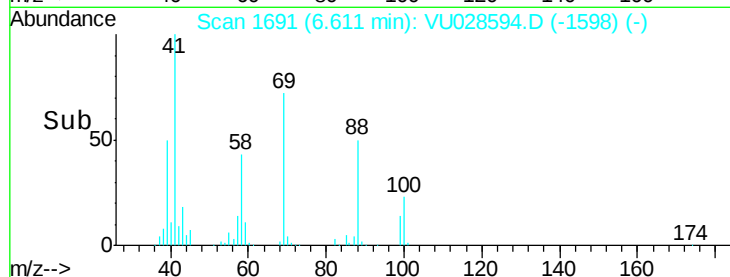
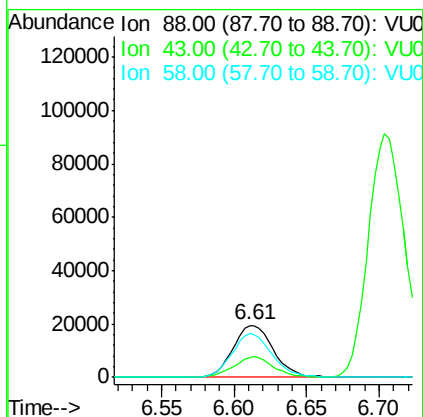
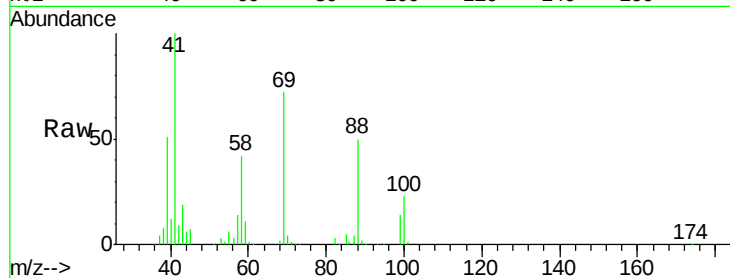




#49
1,4-Dioxane
Concen: 1417.773 ug/l
RT: 6.61 min Scan# 1691
Delta R.T. -0.00 min
Lab File: VU028594.D
Acq: 11 Dec 2018 09:18

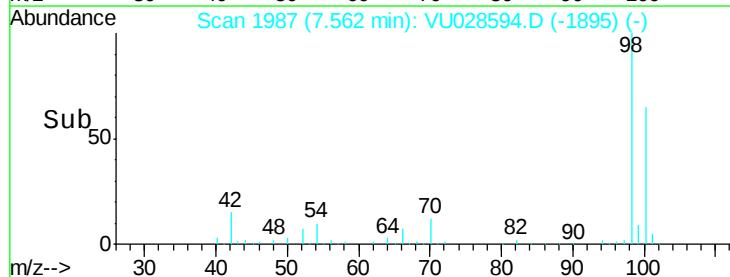
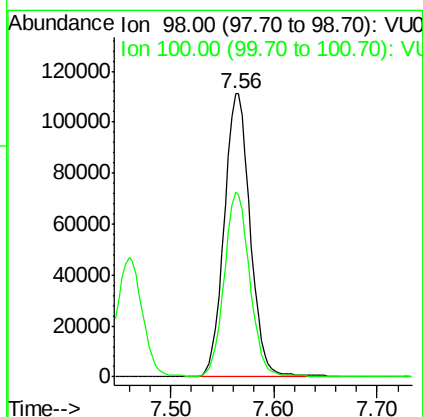
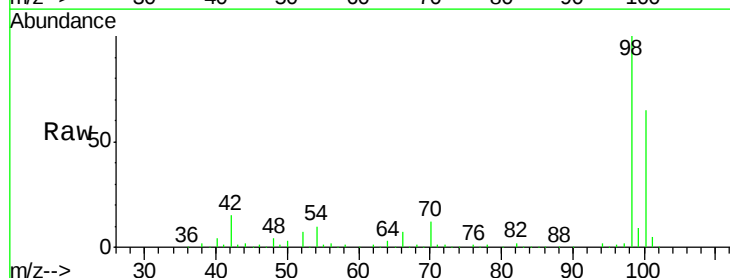
Instrument :
MSVOA_U
ClientSampleId :
P001-SW004-01MS

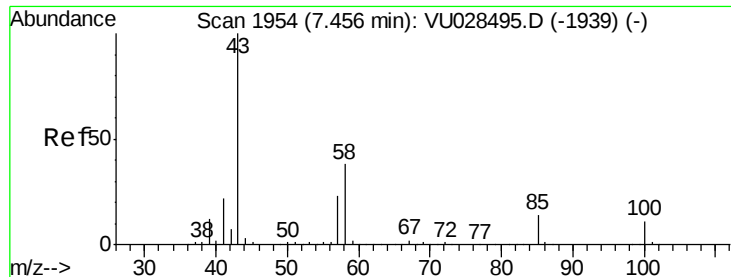
Tot Ion: 88 Resp: 37802
Ion Ratio Lower Upper
88 100
43 36.4 30.9 46.3
58 83.4 62.4 93.6



#50
Toluene-d8
Concen: 51.726 ug/l
RT: 7.56 min Scan# 1987
Delta R.T. -0.00 min
Lab File: VU028594.D
Acq: 11 Dec 2018 09:18

Tgt Ion: 98 Resp: 195418
Ion Ratio Lower Upper
98 100
100 63.8 51.0 76.6





#51

4-Methyl-2-Pentanone

Concen: 346.428 ug/l

RT: 7.46 min Scan# 1955

Delta R.T. 0.00 min

Lab File: VU028594.D

Acq: 11 Dec 2018 09:18

Instrument :

MSVOA_U

ClientSampleId :

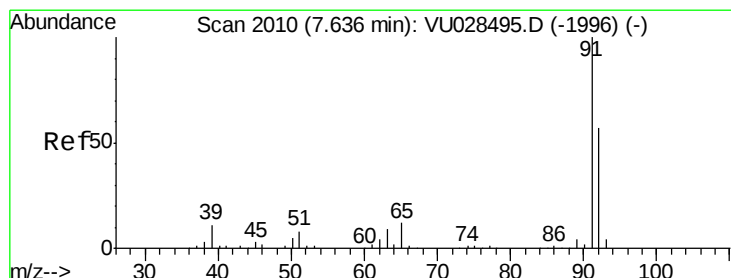
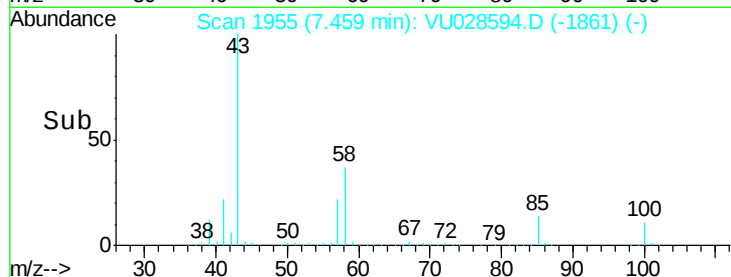
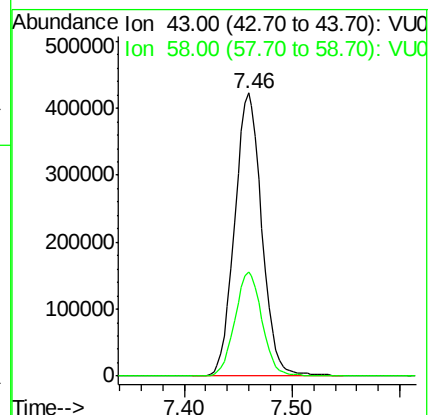
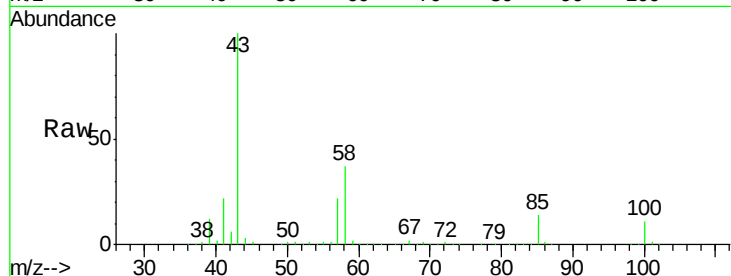
P001-SW004-01MS

Tot Ion: 43 Resp: 741922

Ion Ratio Lower Upper

43 100

58 36.9 30.2 45.2



#52

Toluene

Concen: 49.846 ug/l

RT: 7.64 min Scan# 2010

Delta R.T. -0.00 min

Lab File: VU028594.D

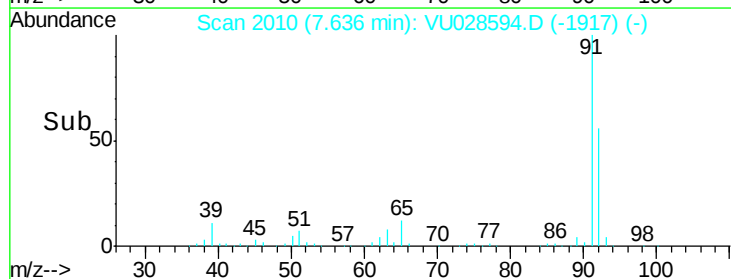
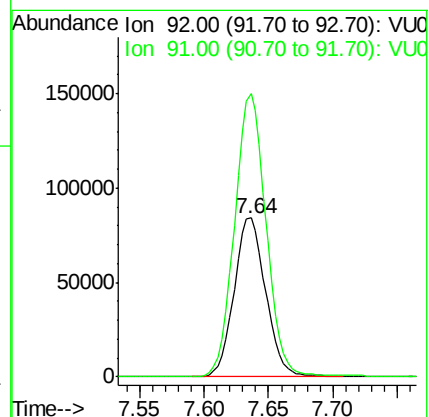
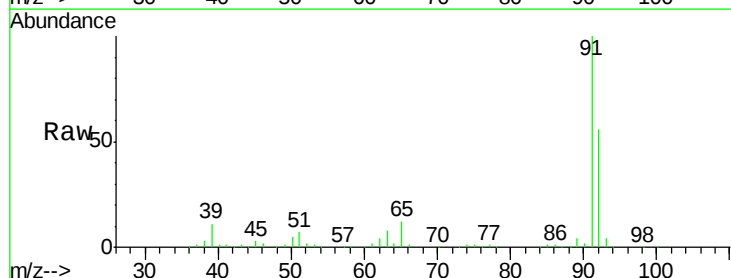
Acq: 11 Dec 2018 09:18

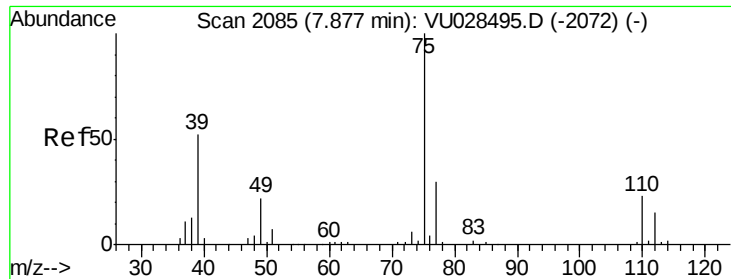
Tgt Ion: 92 Resp: 143484

Ion Ratio Lower Upper

92 100

91 179.1 140.2 210.4

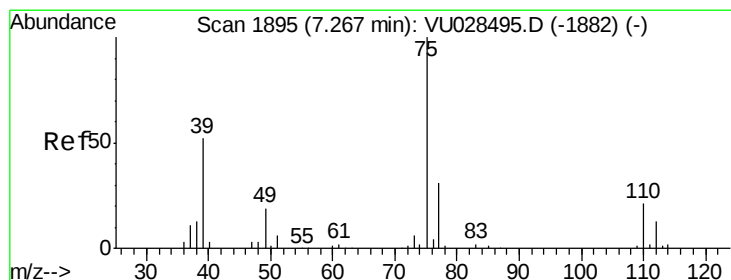
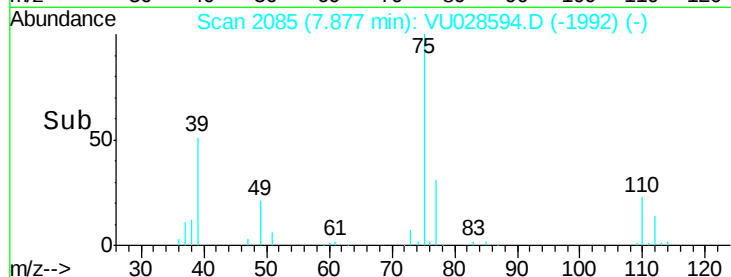
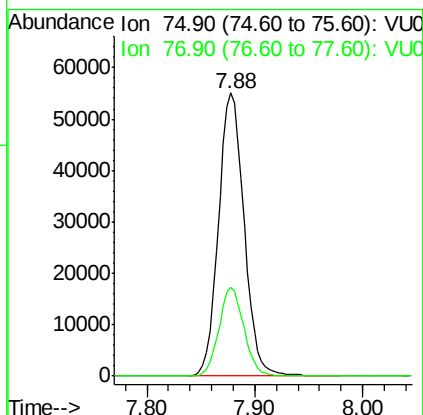
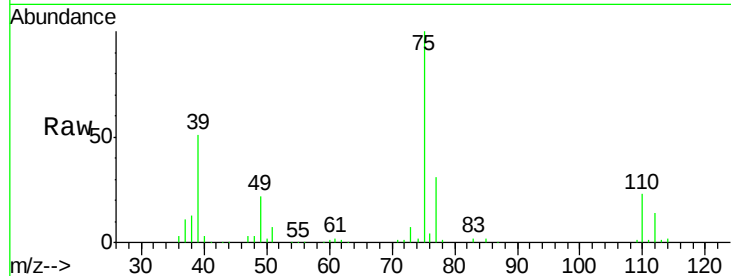




#53
t-1,3-Dichloropropene
Concen: 47.981 ug/l
RT: 7.88 min Scan# 2085
Delta R.T. -0.00 min
Lab File: VU028594.D
Acq: 11 Dec 2018 09:18

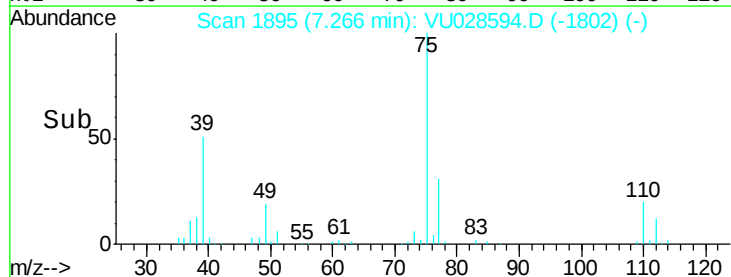
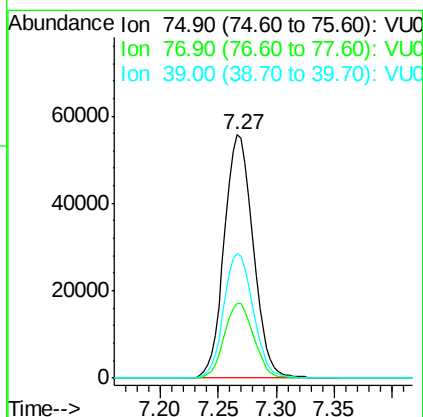
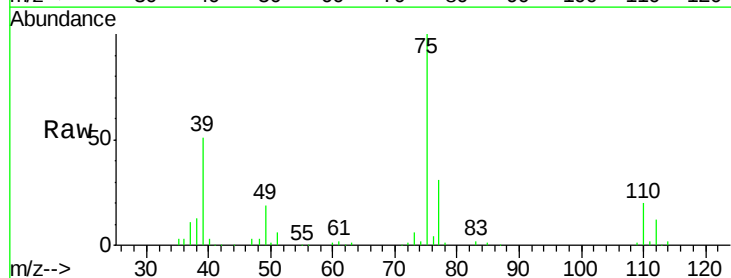
Instrument :
MSVOA_U
ClientSampleId :
P001-SW004-01MS

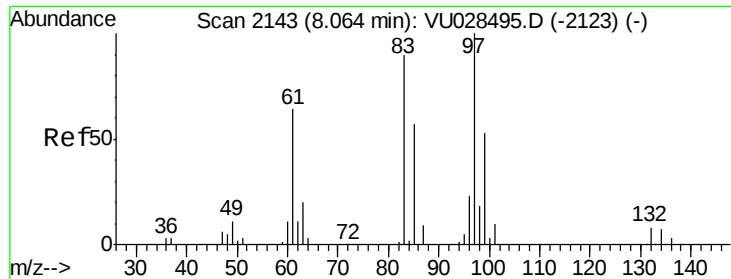
Tot Ion: 75 Resp: 90747
Ion Ratio Lower Upper
75 100
77 31.2 24.2 36.4



#54
cis-1,3-Dichloropropene
Concen: 46.890 ug/l
RT: 7.27 min Scan# 1895
Delta R.T. -0.00 min
Lab File: VU028594.D
Acq: 11 Dec 2018 09:18

Tgt Ion: 75 Resp: 96217
Ion Ratio Lower Upper
75 100
77 30.8 25.0 37.4
39 51.0 41.3 61.9

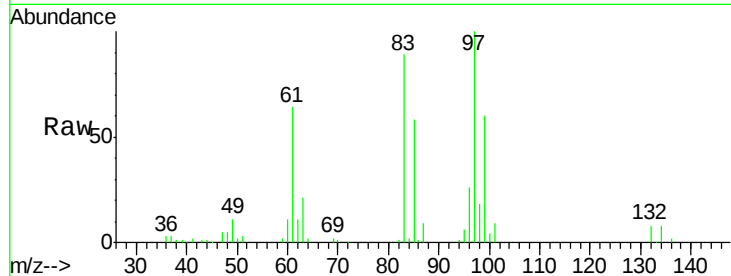




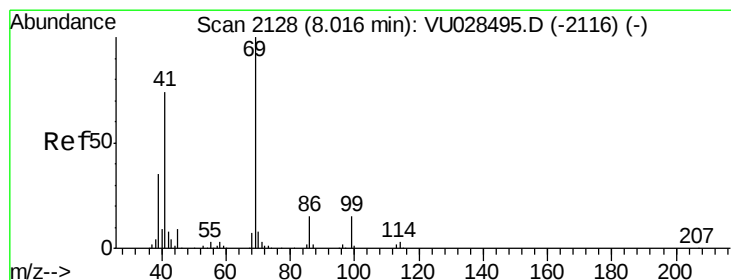
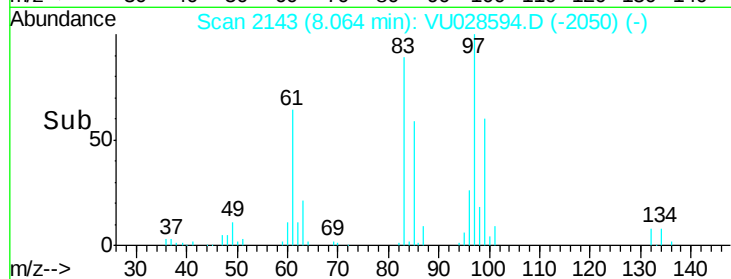
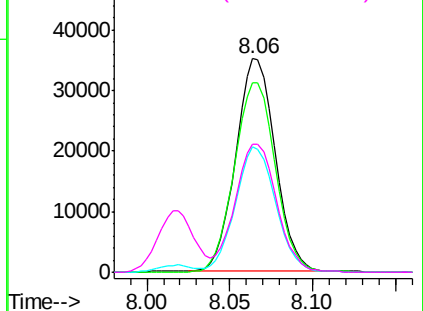
#55
 1,1,2-Trichloroethane
 Concen: 51.077 ug/l
 RT: 8.06 min Scan# 2143
 Delta R.T. -0.00 min
 Lab File: VU028594.D
 Acq: 11 Dec 2018 09:18

Instrument :
 MSVOA_U
 ClientSampleId :
 P001-SW004-01MS

Tot Ion: 97 Resp: 58118
 Ion Ratio Lower Upper
 97 100
 83 88.9 72.4 108.6
 85 58.4 46.0 69.0
 99 59.9 47.4 71.2

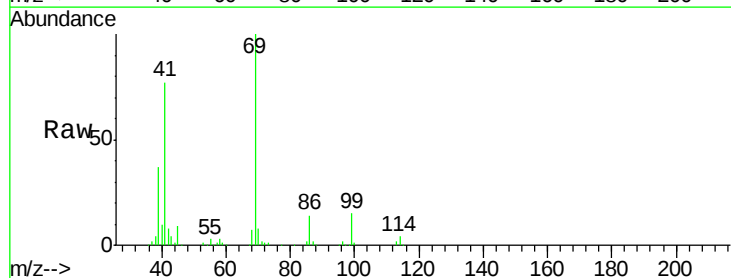


Abundance Ion 96.90 (96.60 to 97.60): VU0
 Ion 82.90 (82.60 to 83.60): VU0
 Ion 84.90 (84.60 to 85.60): VU0
 Ion 98.90 (98.60 to 99.60): VU0

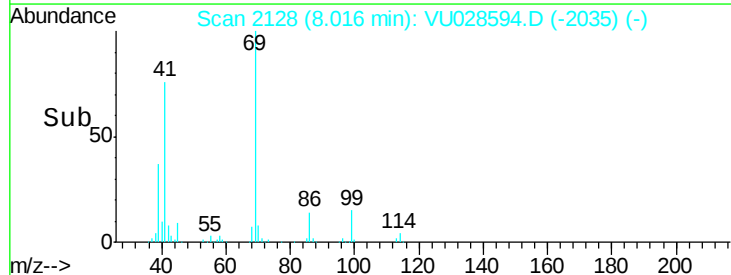
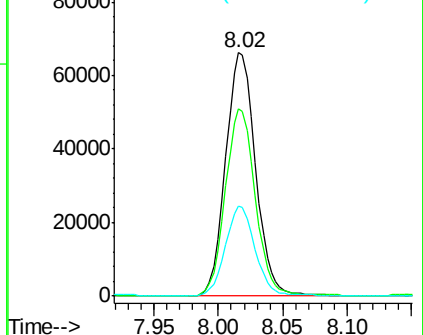


#56
 Ethyl methacrylate
 Concen: 54.835 ug/l
 RT: 8.02 min Scan# 2128
 Delta R.T. -0.00 min
 Lab File: VU028594.D
 Acq: 11 Dec 2018 09:18

Tgt Ion: 69 Resp: 106848
 Ion Ratio Lower Upper
 69 100
 41 76.9 59.1 88.7
 39 36.0 28.4 42.6



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

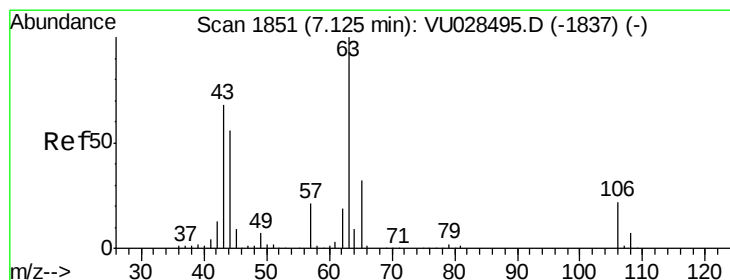
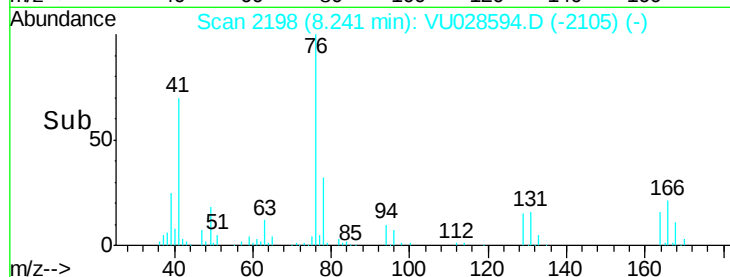
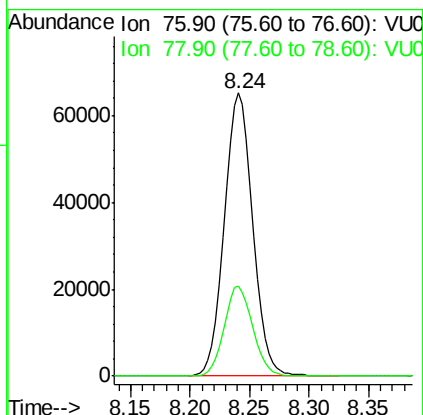
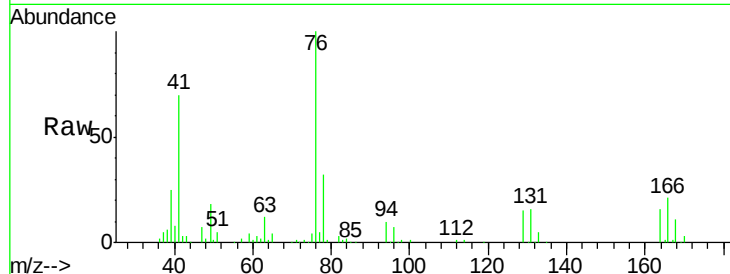




#57
 1,3-Dichloropropane
 Concen: 50.977 ug/l
 RT: 8.24 min Scan# 2198
 Delta R.T. -0.00 min
 Lab File: VU028594.D
 Acq: 11 Dec 2018 09:18

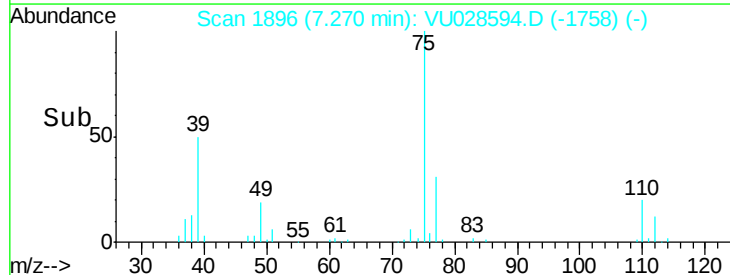
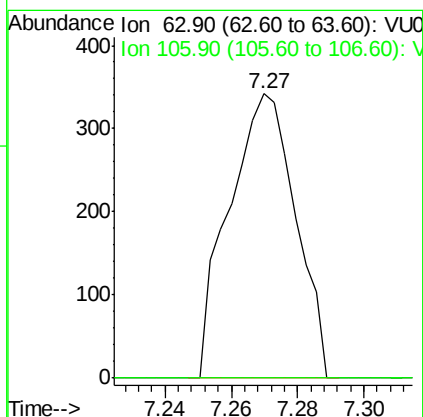
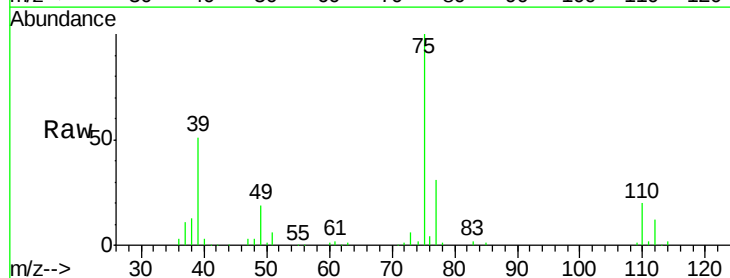
Instrument :
 MSVOA_U
 ClientSampleId :
 P001-SW004-01MS

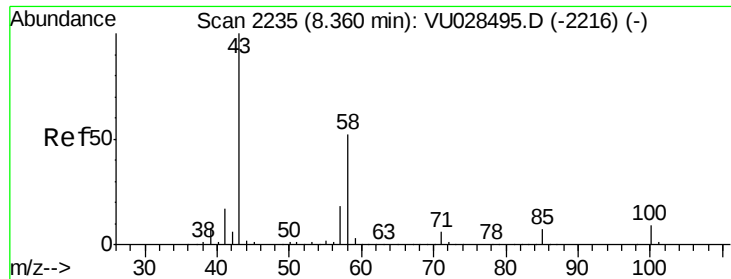
Tot Ion: 76 Resp: 107674
 Ion Ratio Lower Upper
 76 100
 78 32.1 25.2 37.8



#58
 2-Chloroethyl Vinyl ether
 Concen: 0.477 ug/l
 RT: 7.27 min Scan# 1896
 Delta R.T. 0.14 min
 Lab File: VU028594.D
 Acq: 11 Dec 2018 09:18

Tgt Ion: 63 Resp: 476
 Ion Ratio Lower Upper
 63 100
 106 0.0 17.8 26.6#

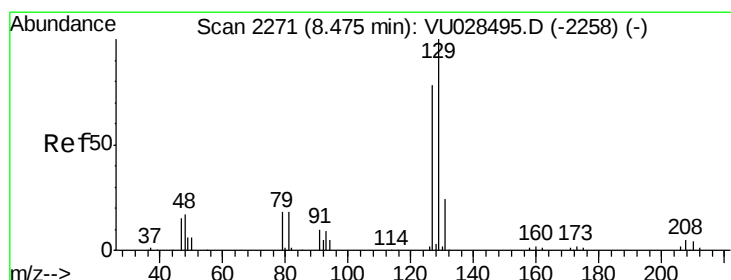
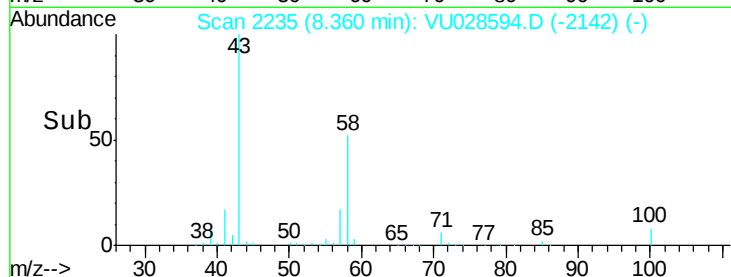
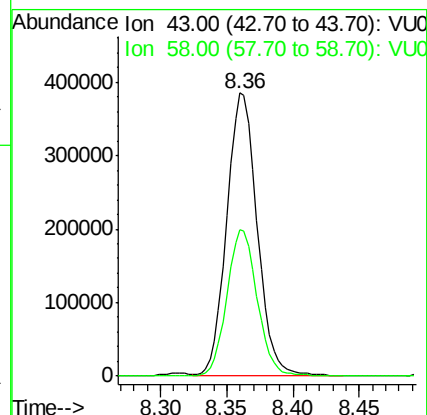
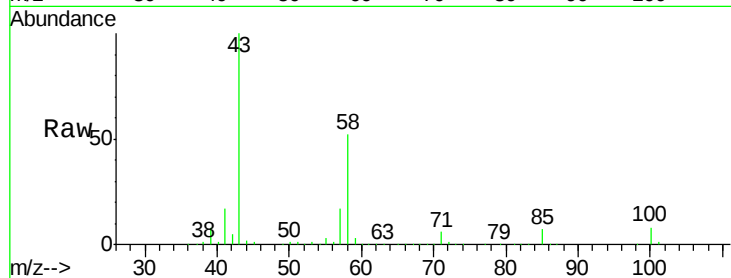




#59
2-Hexanone
Concen: 359.994 ug/l
RT: 8.36 min Scan# 2235
Delta R.T. -0.00 min
Lab File: VU028594.D
Acq: 11 Dec 2018 09:18

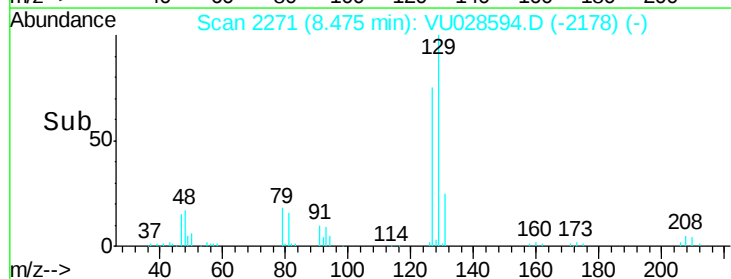
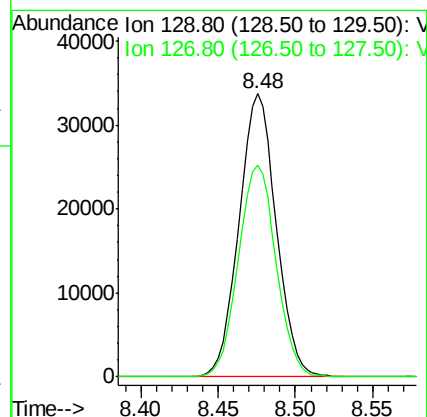
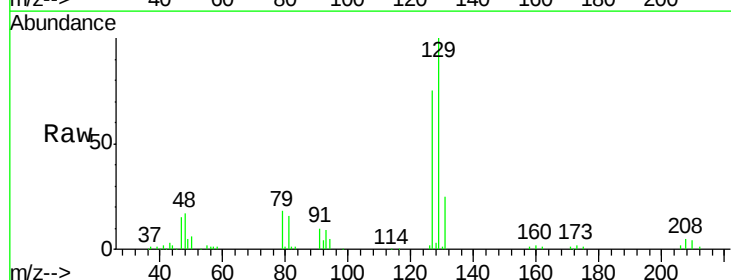
Instrument :
MSVOA_U
ClientSampleId :
P001-SW004-01MS

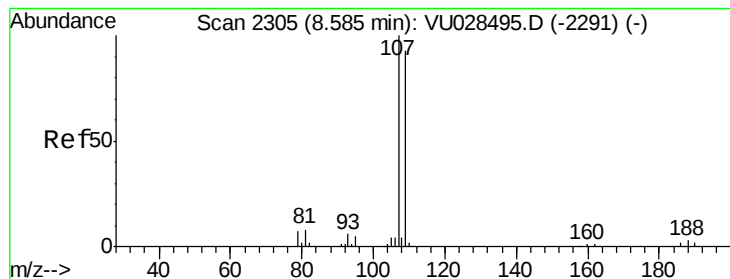
Tot Ion: 43 Resp: 611080
Ion Ratio Lower Upper
43 100
58 51.8 25.9 77.6



#60
Dibromochloromethane
Concen: 50.390 ug/l
RT: 8.48 min Scan# 2271
Delta R.T. -0.00 min
Lab File: VU028594.D
Acq: 11 Dec 2018 09:18

Tgt Ion:129 Resp: 56136
Ion Ratio Lower Upper
129 100
127 76.0 39.1 117.3





#61

1,2-Dibromoethane

Concen: 52.317 ug/l

RT: 8.58 min Scan# 2305

Delta R.T. -0.00 min

Lab File: VU028594.D

Acq: 11 Dec 2018 09:18

Instrument :

MSVOA_U

ClientSampleId :

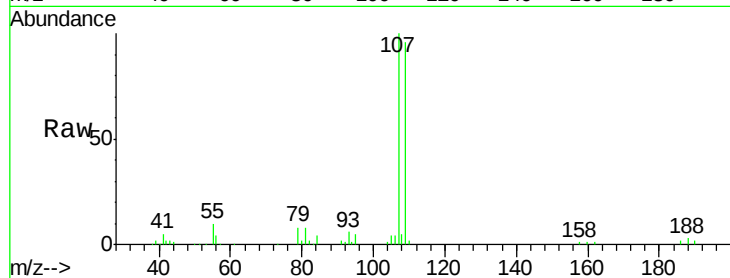
P001-SW004-01MS

Tot Ion:107 Resp: 62426

Ion Ratio Lower Upper

107 100

109 94.1 74.5 111.7



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

8.58

40000

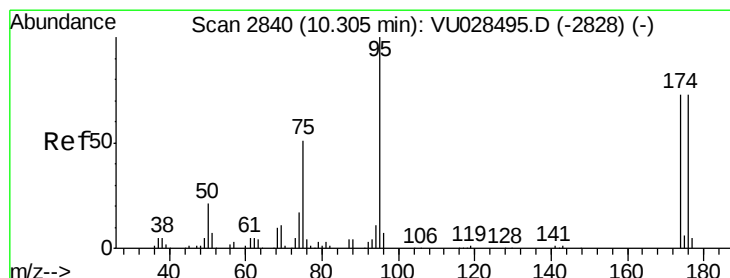
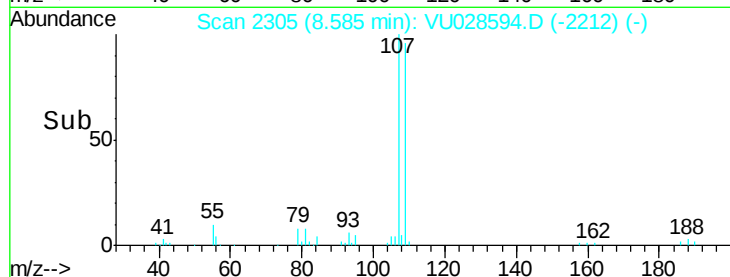
30000

20000

10000

0

Time--> 8.50 8.55 8.60 8.65



#62

4-Bromofluorobenzene

Concen: 52.216 ug/l

RT: 10.30 min Scan# 2840

Delta R.T. -0.00 min

Lab File: VU028594.D

Acq: 11 Dec 2018 09:18

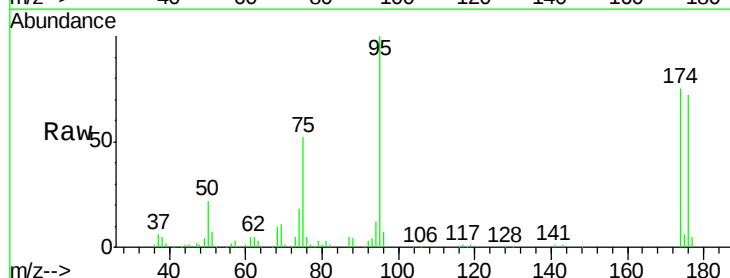
Tgt Ion: 95 Resp: 73732

Ion Ratio Lower Upper

95 100

174 75.0 0.0 150.4

176 73.3 0.0 145.2



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

10.30

60000

50000

40000

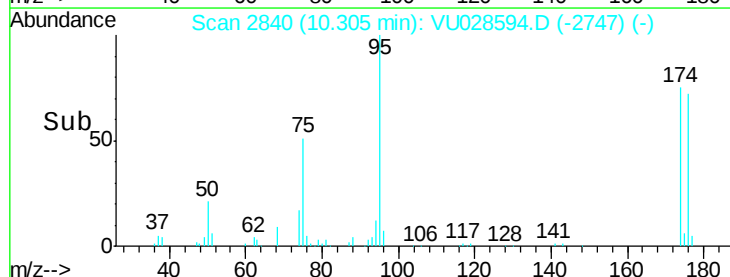
30000

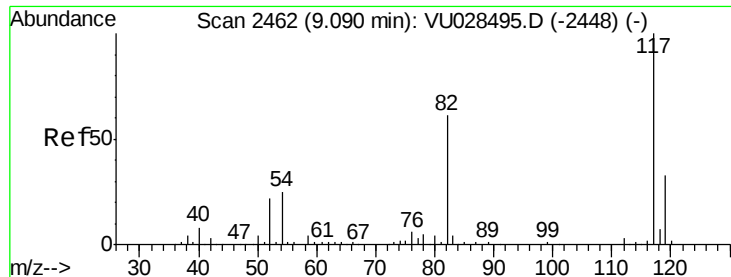
20000

10000

0

Time--> 10.25 10.30 10.35 10.40

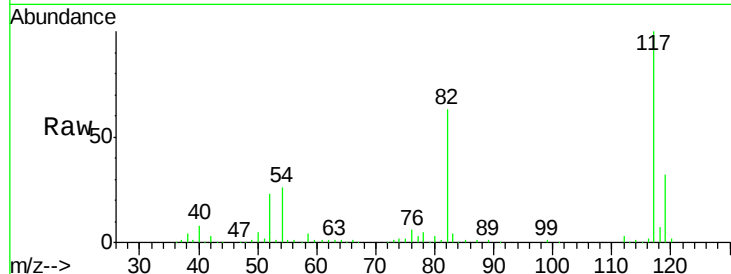




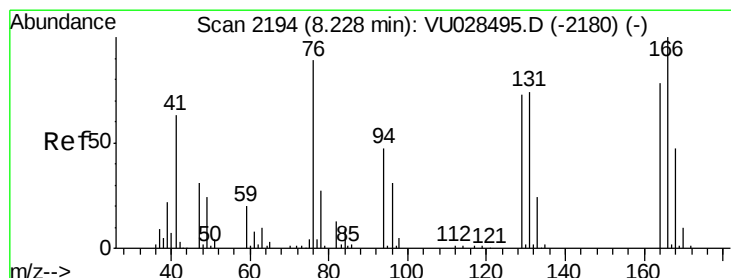
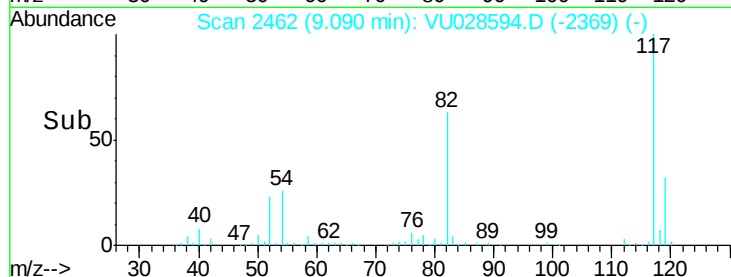
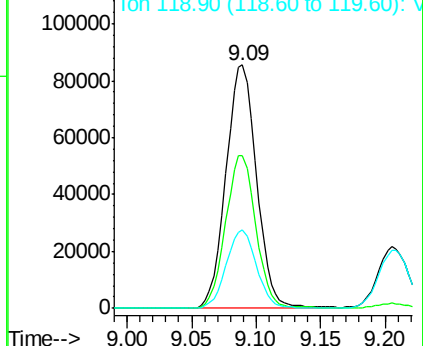
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.09 min Scan# 2462
Delta R.T. -0.00 min
Lab File: VU028594.D
Acq: 11 Dec 2018 09:18

Instrument :
MSVOA_U
ClientSampleId :
P001-SW004-01MS

Tot Ion:117 Resp: 141585
Ion Ratio Lower Upper
117 100
82 62.9 48.9 73.3
119 32.1 26.2 39.4



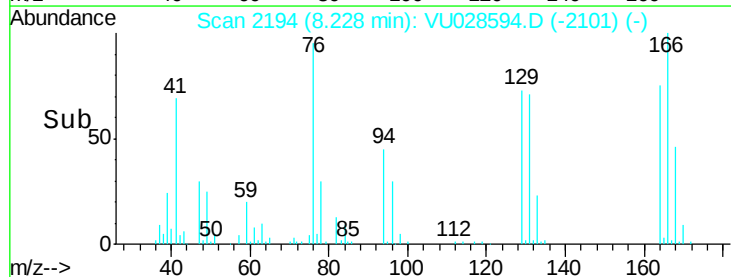
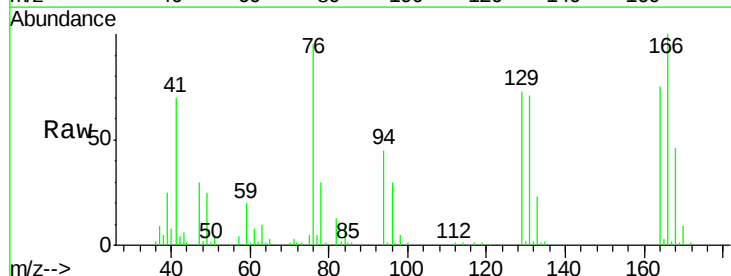
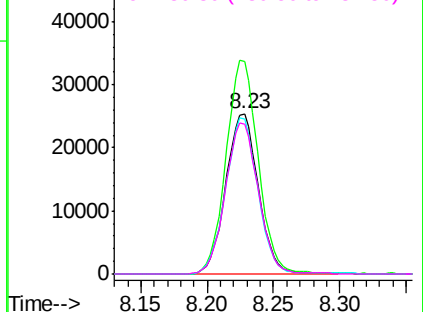
Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

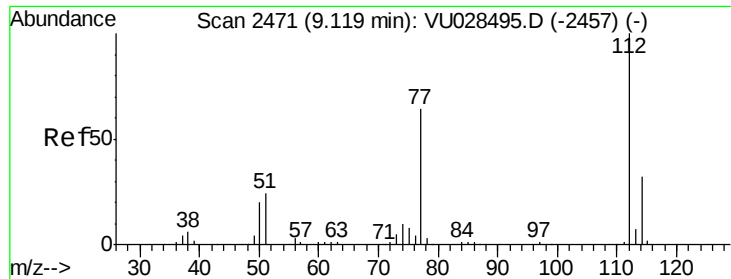


#64
Tetrachloroethene
Concen: 45.728 ug/l
RT: 8.23 min Scan# 2194
Delta R.T. -0.00 min
Lab File: VU028594.D
Acq: 11 Dec 2018 09:18

Tgt Ion:164 Resp: 43186
Ion Ratio Lower Upper
164 100
166 132.8 101.9 152.9
129 96.6 74.9 112.3
131 93.8 75.4 113.0

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

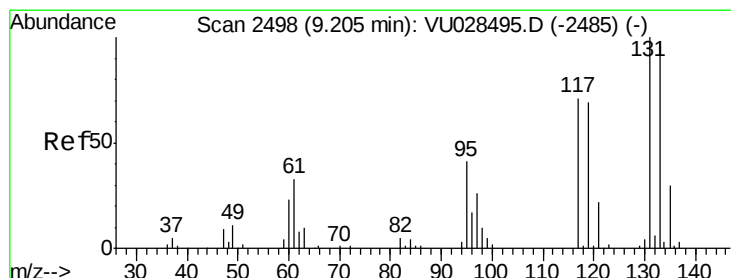
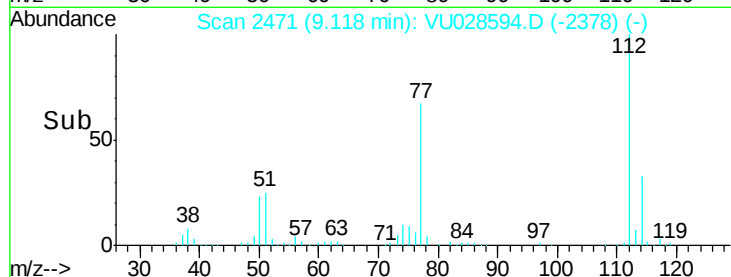
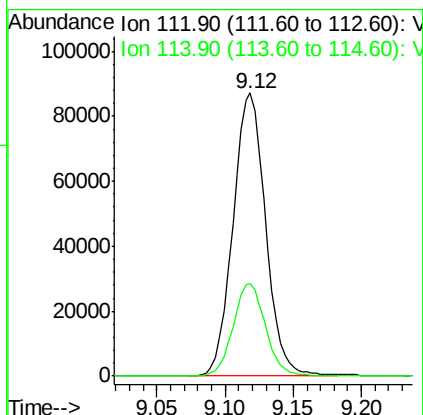
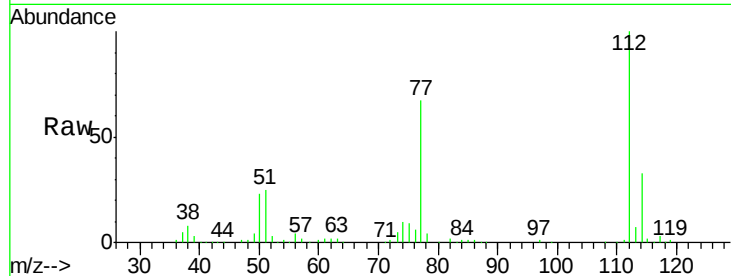




#65
Chlorobenzene
Concen: 48.050 ug/l
RT: 9.12 min Scan# 2471
Delta R.T. -0.00 min
Lab File: VU028594.D
Acq: 11 Dec 2018 09:18

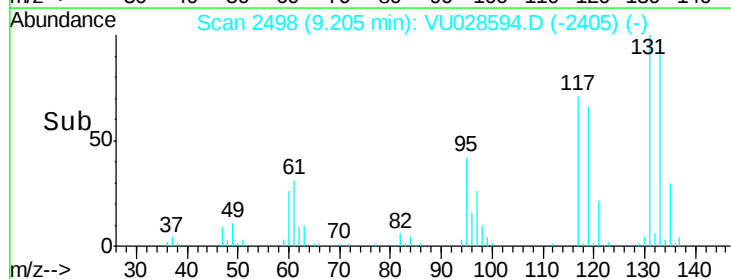
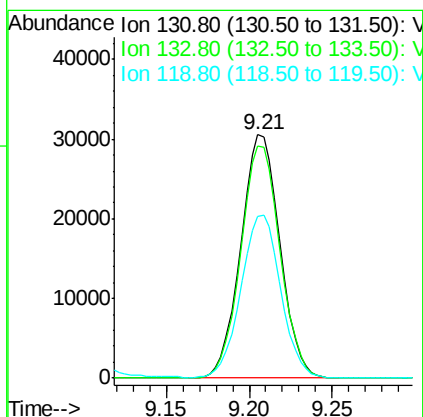
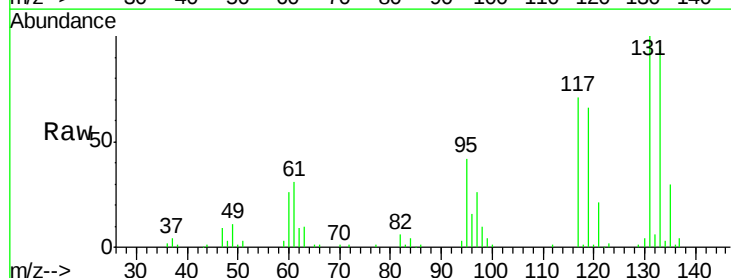
Instrument :
MSVOA_U
ClientSampleId :
P001-SW004-01MS

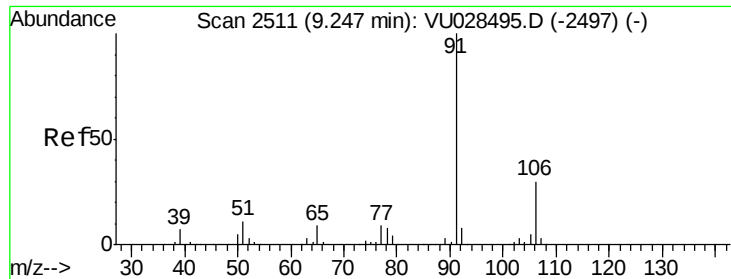
Tot Ion:112 Resp: 144969
Ion Ratio Lower Upper
112 100
114 32.7 25.3 37.9



#66
1,1,1,2-Tetrachloroethane
Concen: 52.039 ug/l
RT: 9.21 min Scan# 2498
Delta R.T. -0.00 min
Lab File: VU028594.D
Acq: 11 Dec 2018 09:18

Tgt Ion:131 Resp: 50136
Ion Ratio Lower Upper
131 100
133 95.9 48.0 144.0
119 68.1 34.6 103.9

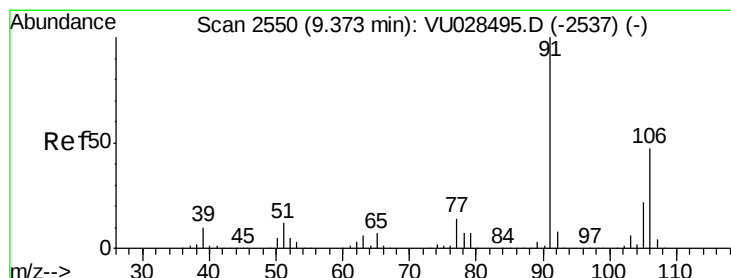
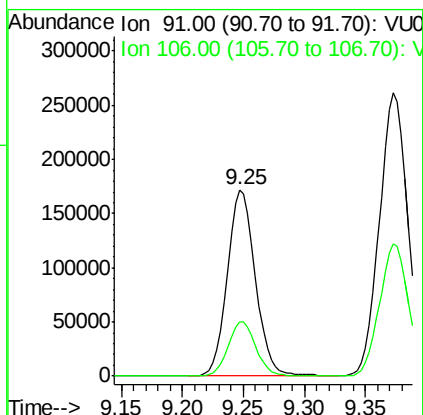
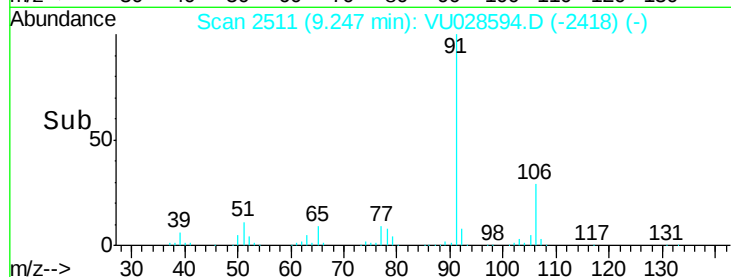
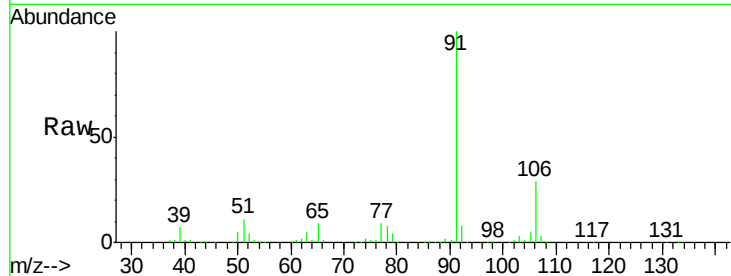




#67
Ethyl Benzene
Concen: 50.008 ug/l
RT: 9.25 min Scan# 2511
Delta R.T. -0.00 min
Lab File: VU028594.D
Acq: 11 Dec 2018 09:18

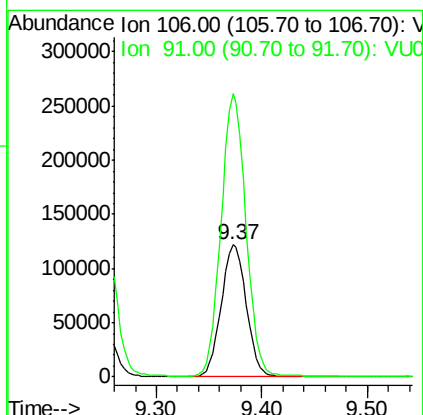
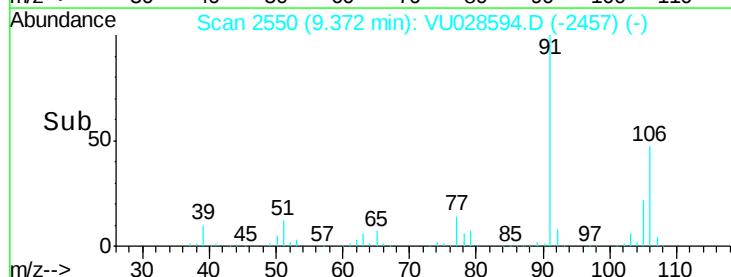
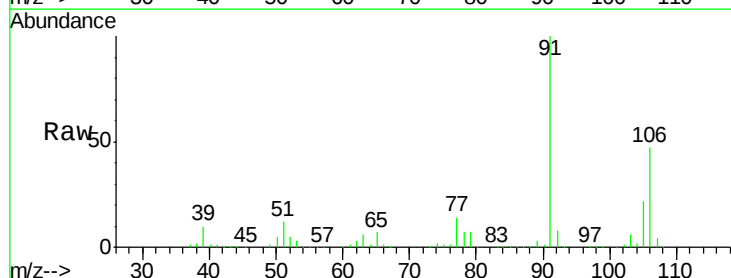
Instrument :
MSVOA_U
ClientSampleId :
P001-SW004-01MS

Tot Ion: 91 Resp: 277357
Ion Ratio Lower Upper
91 100
106 29.4 24.1 36.1



#68
m/p-Xylenes
Concen: 99.995 ug/l
RT: 9.37 min Scan# 2550
Delta R.T. -0.00 min
Lab File: VU028594.D
Acq: 11 Dec 2018 09:18

Tgt Ion: 106 Resp: 201804
Ion Ratio Lower Upper
106 100
91 211.9 167.4 251.0

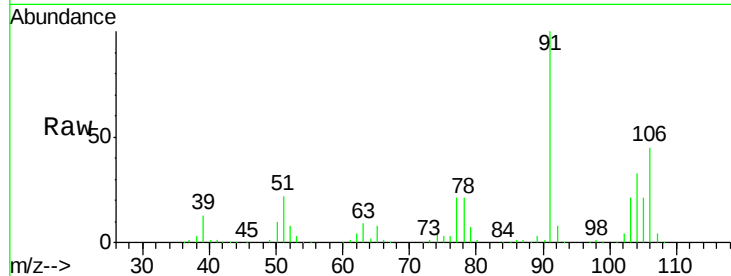




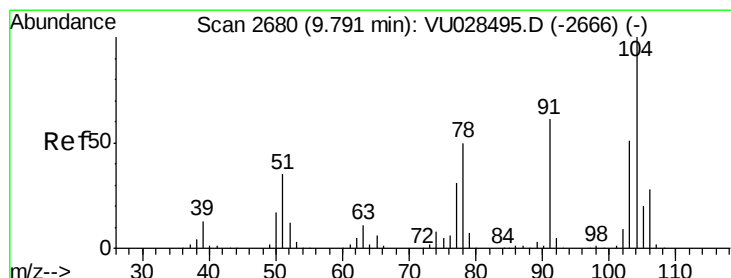
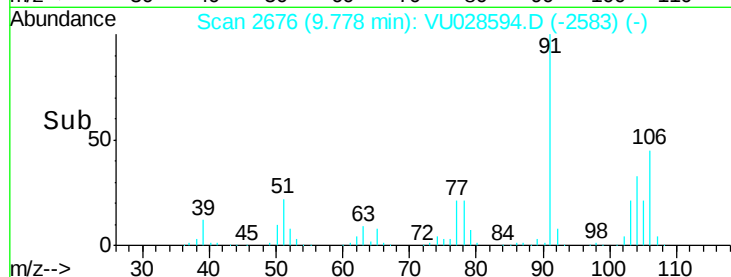
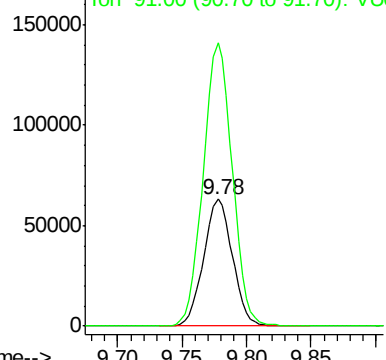
#69
o-Xylene
Concen: 50.188 ug/l
RT: 9.78 min Scan# 2676
Delta R.T. -0.00 min
Lab File: VU028594.D
Acq: 11 Dec 2018 09:18

Instrument :
MSVOA_U
ClientSampleId :
P001-SW004-01MS

Tot Ion:106 Resp: 98431
Ion Ratio Lower Upper
106 100
91 224.1 111.3 334.0

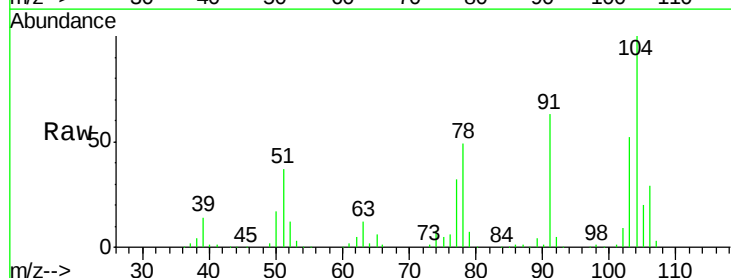


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VU0

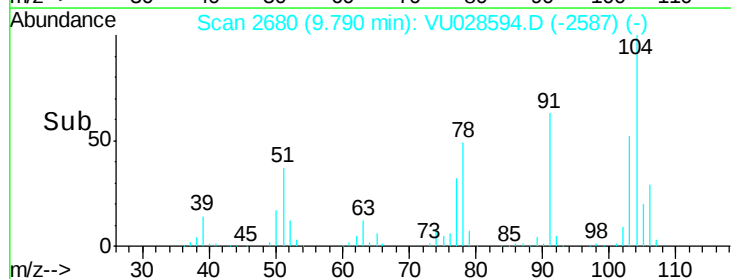
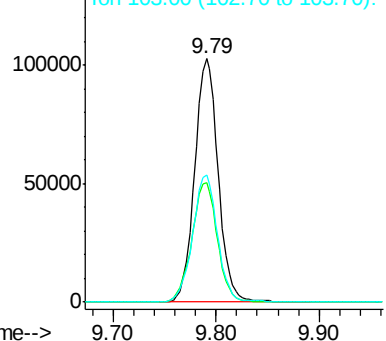


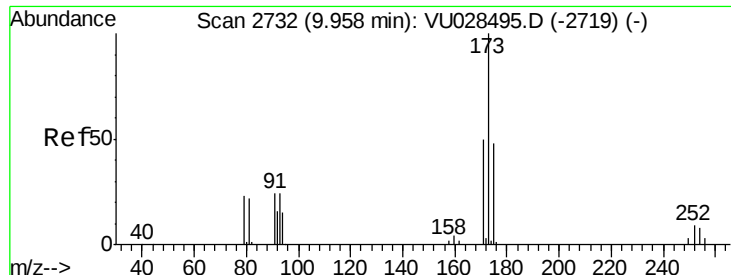
#70
Styrene
Concen: 50.284 ug/l
RT: 9.79 min Scan# 2680
Delta R.T. -0.00 min
Lab File: VU028594.D
Acq: 11 Dec 2018 09:18

Tgt Ion:104 Resp: 163207
Ion Ratio Lower Upper
104 100
78 53.4 43.0 64.6
103 55.3 44.2 66.4



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: 53.145 ug/l

RT: 9.96 min Scan# 2732

Delta R.T. -0.00 min

Lab File: VU028594.D

Acq: 11 Dec 2018 09:18

Instrument :

MSVOA_U

ClientSampleId :

P001-SW004-01MS

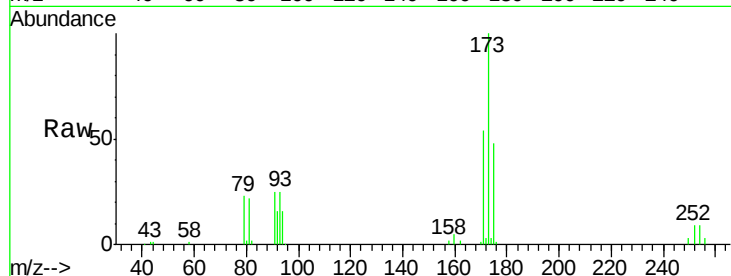
Tot Ion:173 Resp: 43557

Ion Ratio Lower Upper

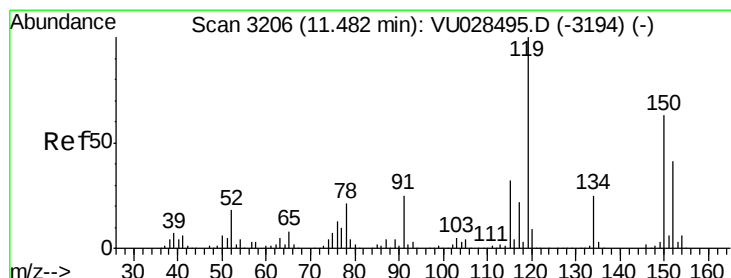
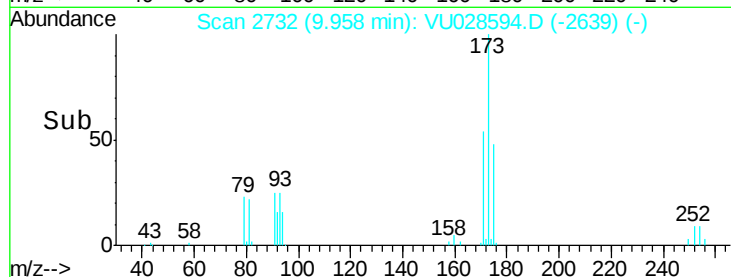
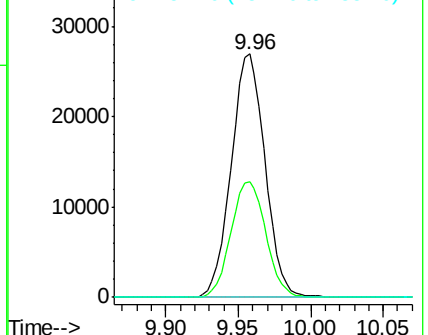
173 100

175 48.7 23.9 71.8

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: VU028594.D

Acq: 11 Dec 2018 09:18

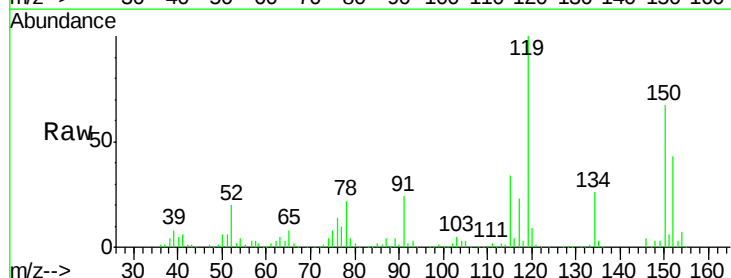
Tgt Ion:152 Resp: 70079

Ion Ratio Lower Upper

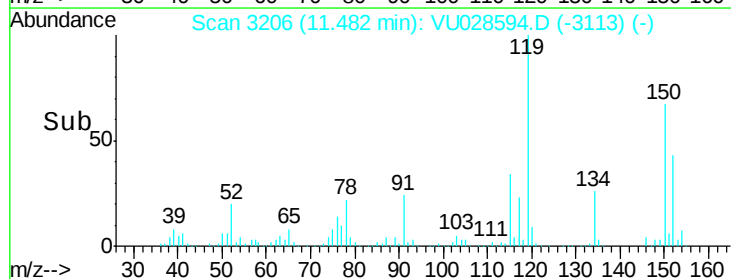
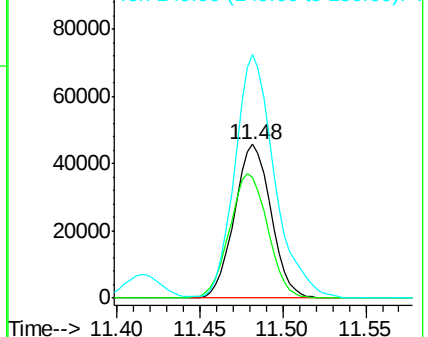
152 100

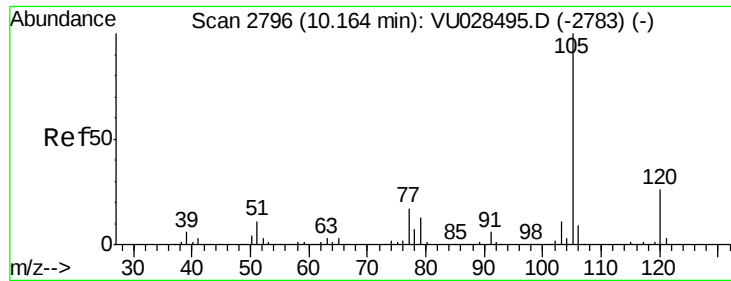
115 84.4 42.7 128.1

150 171.9 0.0 346.0



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: 47.802 ug/l

RT: 10.16 min Scan# 2796

Delta R.T. -0.00 min

Lab File: VU028594.D

Acq: 11 Dec 2018 09:18

Instrument :

MSVOA_U

ClientSampleId :

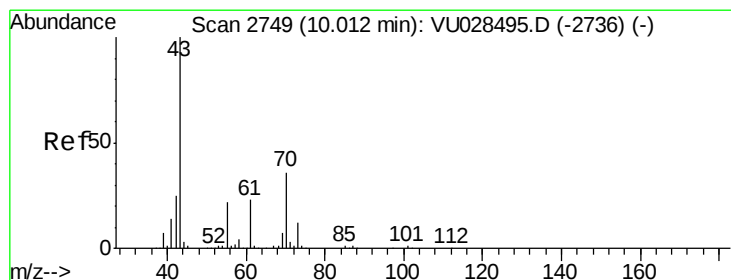
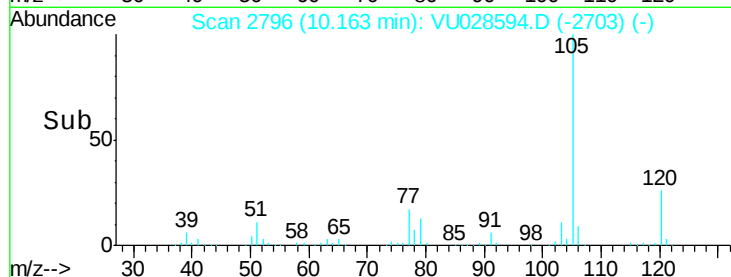
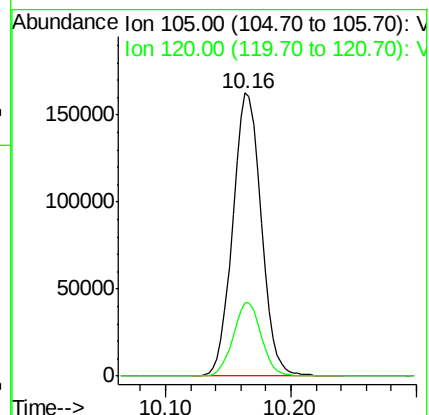
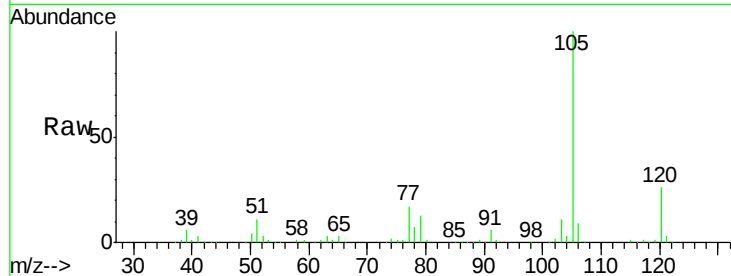
P001-SW004-01MS

Tot Ion:105 Resp: 257050

Ion Ratio Lower Upper

105 100

120 25.6 12.9 38.6



#74

N-ethyl acetate

Concen: 51.013 ug/l

RT: 10.01 min Scan# 2749

Delta R.T. -0.00 min

Lab File: VU028594.D

Acq: 11 Dec 2018 09:18

Tgt Ion: 43 Resp: 158233

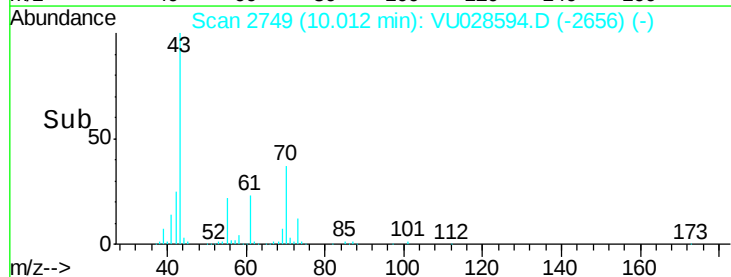
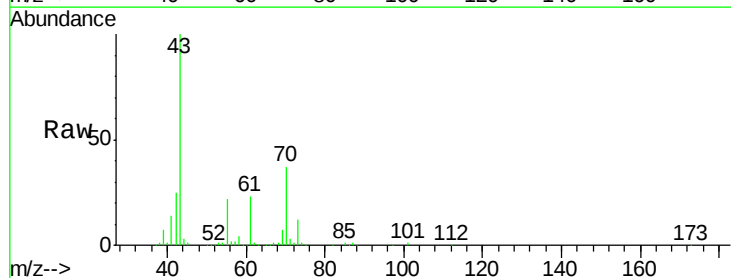
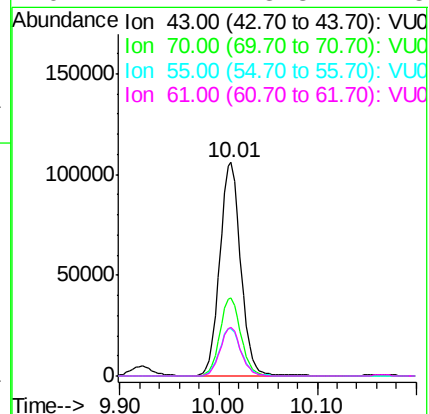
Ion Ratio Lower Upper

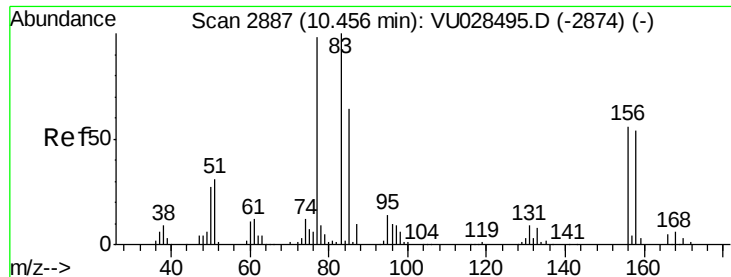
43 100

70 36.5 29.3 43.9

55 23.3 18.0 27.0

61 22.4 18.3 27.5





#75

1,1,2,2-Tetrachloroethane

Concen: 57.050 ug/l

RT: 10.46 min Scan# 2887

Delta R.T. -0.00 min

Lab File: VU028594.D

Acq: 11 Dec 2018 09:18

Instrument :

MSVOA_U

ClientSampleId :

P001-SW004-01MS

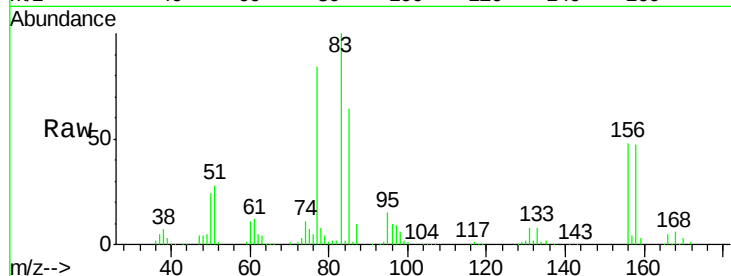
Tot Ion: 83 Resp: 117849

Ion Ratio Lower Upper

83 100

131 8.1 4.2 12.4

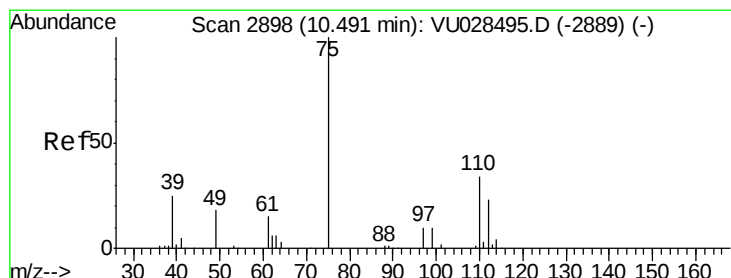
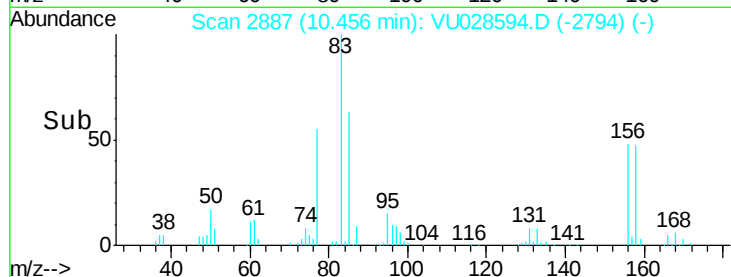
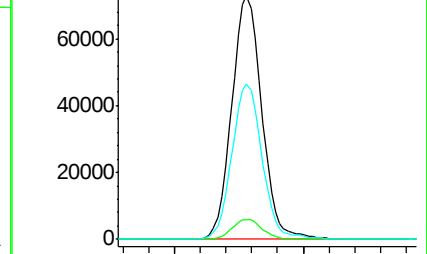
85 64.2 31.8 95.4



Abundance Ion 82.90 (82.60 to 83.60): VU028495.D (-2874) (-)

Ion 130.80 (130.50 to 131.50): VU028495.D (-2874) (-)

Ion 84.90 (84.60 to 85.60): VU028495.D (-2874) (-)



#76

1,2,3-Trichloropropane

Concen: 77.150 ug/l

RT: 10.49 min Scan# 2898

Delta R.T. -0.00 min

Lab File: VU028594.D

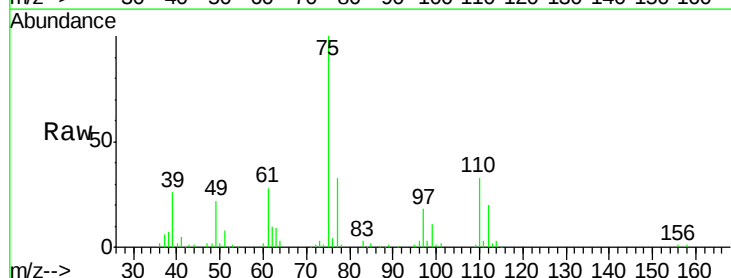
Acq: 11 Dec 2018 09:18

Tgt Ion: 75 Resp: 138059

Ion Ratio Lower Upper

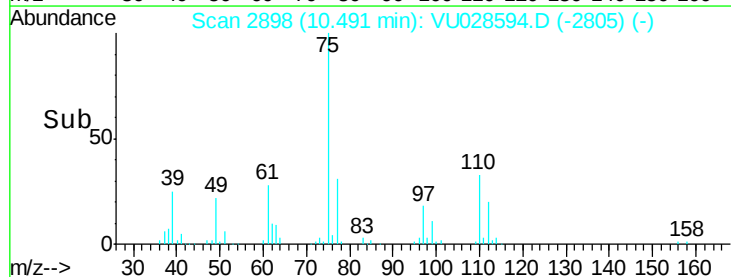
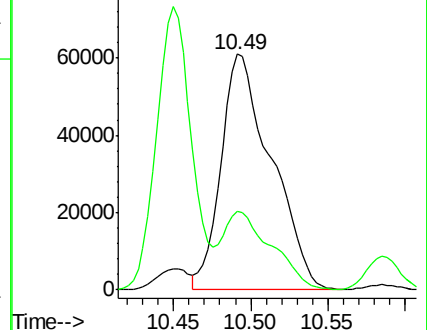
75 100

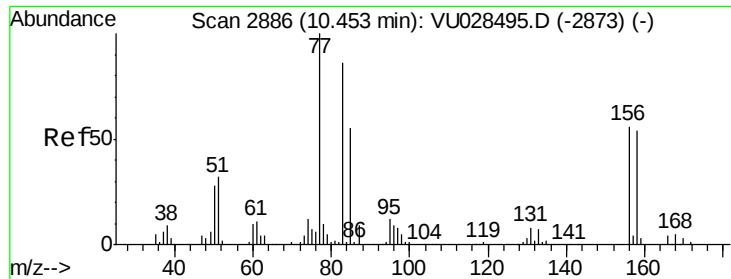
77 32.6 20.8 62.4



Abundance Ion 74.90 (74.60 to 75.60): VU028495.D (-2889) (-)

Ion 77.00 (76.70 to 77.70): VU028495.D (-2889) (-)





#77

Bromobenzene

Concen: 49.000 ug/l

RT: 10.45 min Scan# 2886

Delta R.T. -0.00 min

Lab File: VU028594.D

Acq: 11 Dec 2018 09:18

Instrument :
MSVOA_U
ClientSampleId :
P001-SW004-01MS

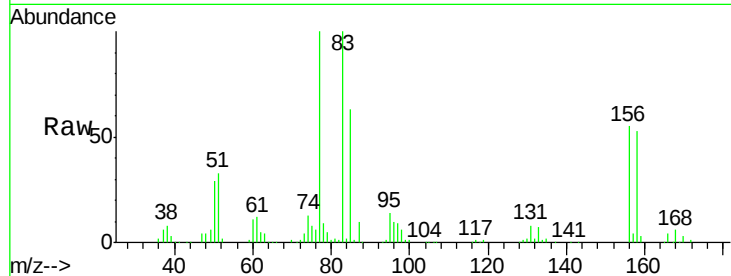
Tot Ion:156 Resp: 61625

Ion Ratio Lower Upper

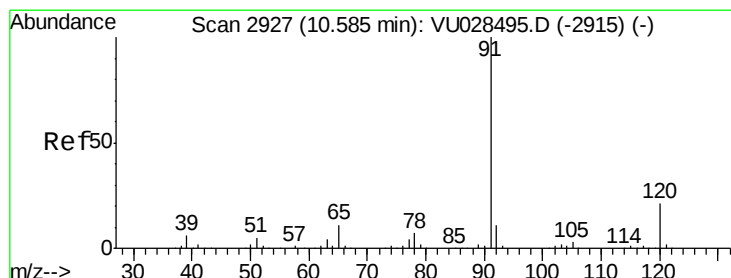
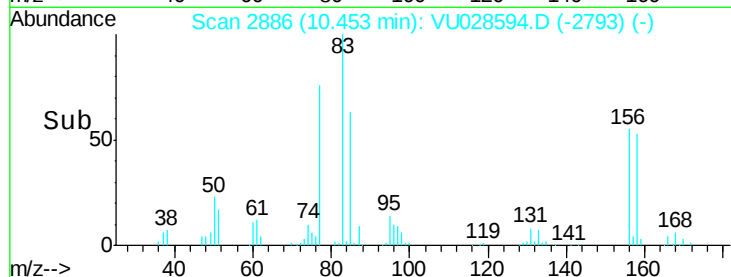
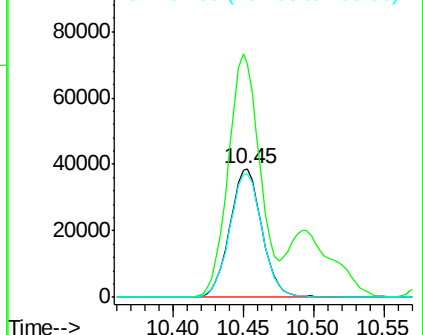
156 100

77 187.0 92.4 277.2

158 97.9 48.4 145.3



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: 47.682 ug/l

RT: 10.58 min Scan# 2927

Delta R.T. -0.00 min

Lab File: VU028594.D

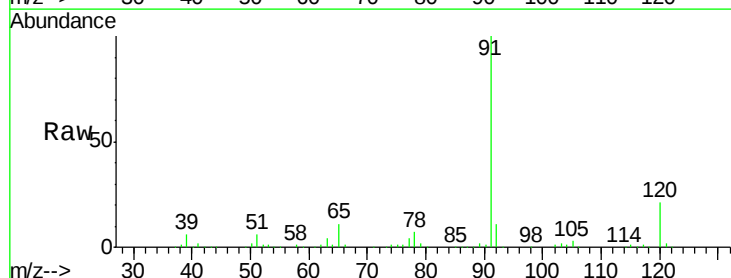
Acq: 11 Dec 2018 09:18

Tgt Ion: 91 Resp: 318605

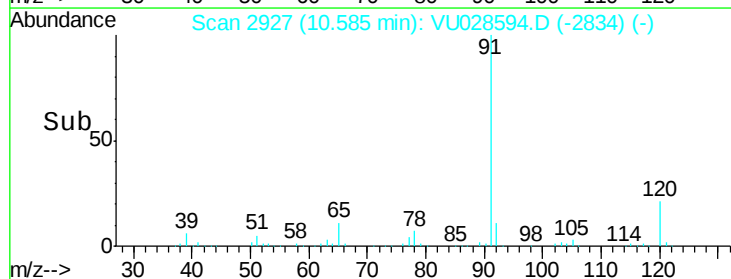
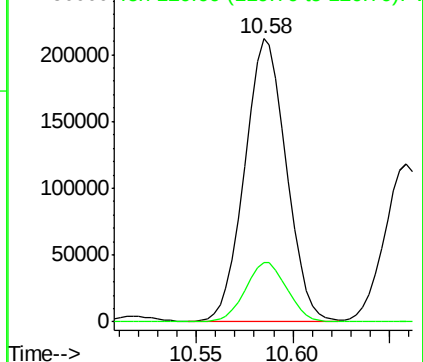
Ion Ratio Lower Upper

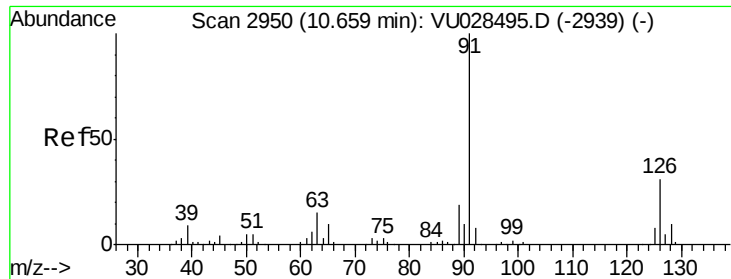
91 100

120 21.0 10.6 31.8



Abundance Ion 91.00 (90.70 to 91.70): VU0
Ion 120.00 (119.70 to 120.70): V

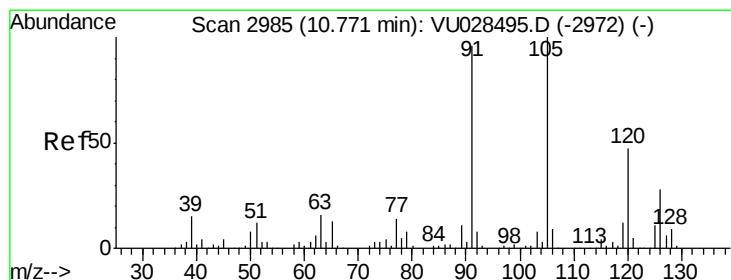
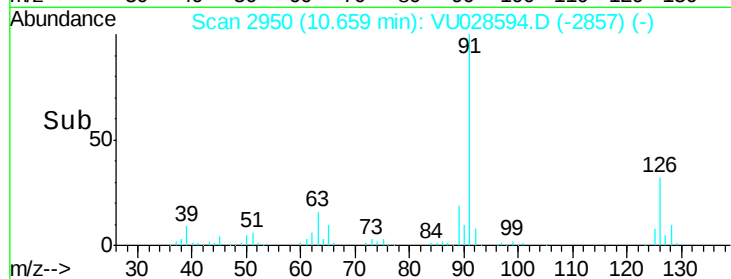
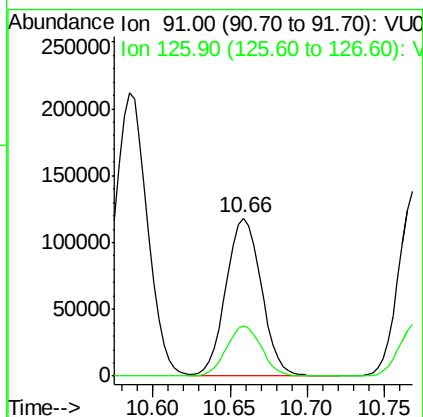
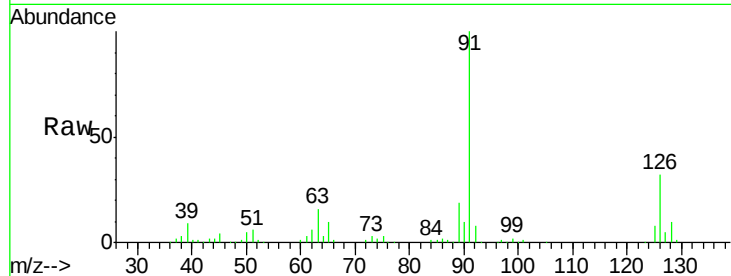




#79
 2-Chlorotoluene
 Concen: 49.027 ug/l
 RT: 10.66 min Scan# 2950
 Delta R.T. -0.00 min
 Lab File: VU028594.D
 Acq: 11 Dec 2018 09:18

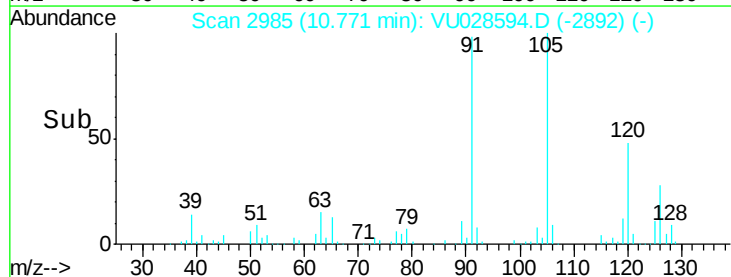
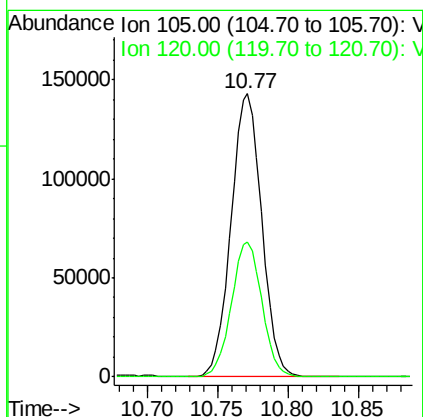
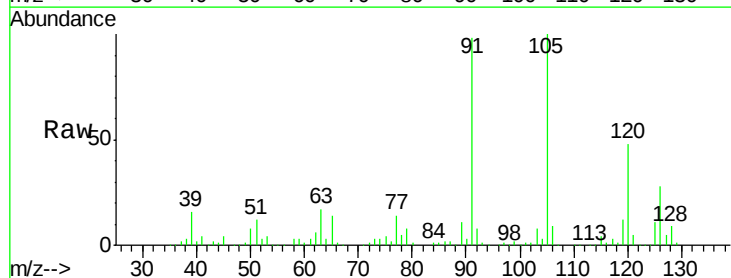
Instrument :
 MSVOA_U
 ClientSampleId :
 P001-SW004-01MS

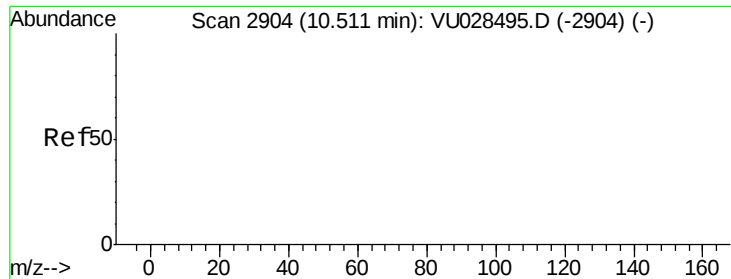
Tot Ion: 91 Resp: 188701
 Ion Ratio Lower Upper
 91 100
 126 31.4 15.6 46.8



#80
 1,3,5-Trimethylbenzene
 Concen: 48.939 ug/l
 RT: 10.77 min Scan# 2985
 Delta R.T. -0.00 min
 Lab File: VU028594.D
 Acq: 11 Dec 2018 09:18

Tgt Ion: 105 Resp: 217839
 Ion Ratio Lower Upper
 105 100
 120 47.3 23.7 71.1





#81

trans-1,4-Dichloro-2-butene

Concen: 188.227 ug/l

RT: 10.49 min Scan# 2898

Delta R.T. -0.02 min

Lab File: VU028594.D

Acq: 11 Dec 2018 09:18

Instrument :

MSVOA_U

ClientSampleId :

P001-SW004-01MS

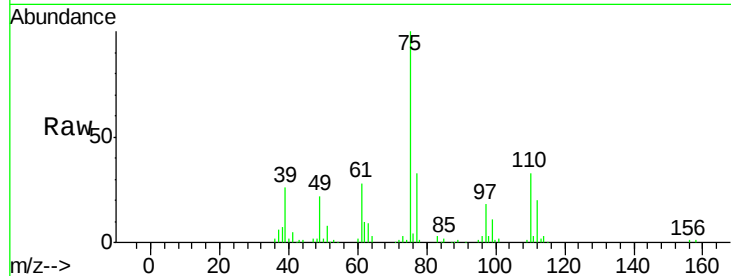
Tot Ion: 75 Resp: 138061

Ion Ratio Lower Upper

75 100

53 0.0 0.0 0.0

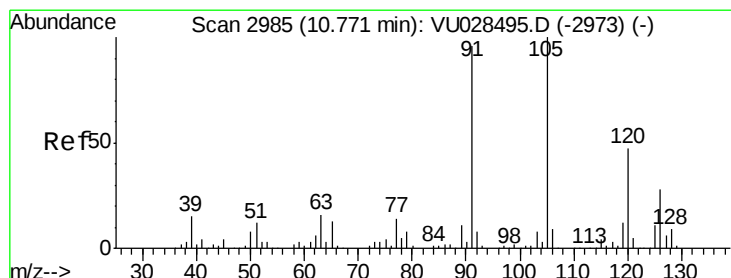
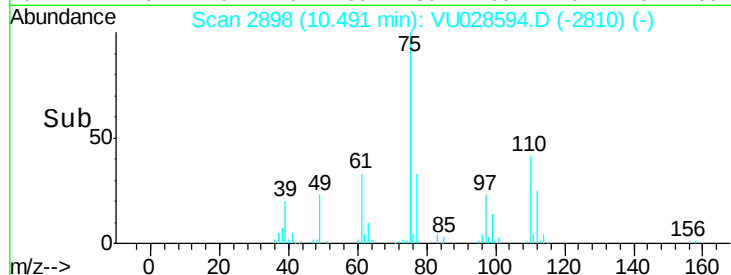
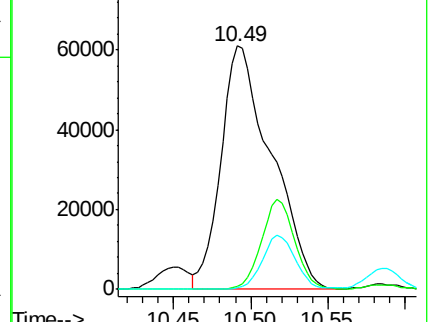
89 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VU028495.D (-2904) (-)

Ion 53.00 (52.70 to 53.70): VU028495.D (-2904) (-)

Ion 88.90 (88.60 to 89.60): VU028495.D (-2904) (-)



#82

4-Chlorotoluene

Concen: 47.629 ug/l

RT: 10.77 min Scan# 2985

Delta R.T. -0.00 min

Lab File: VU028594.D

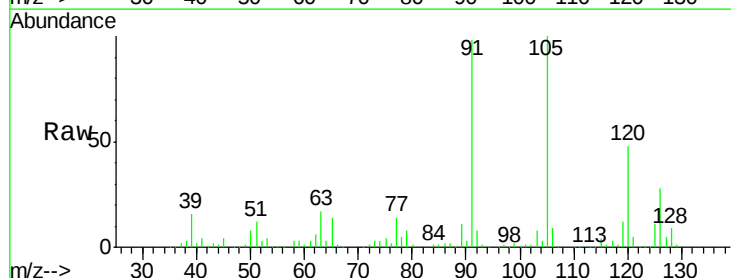
Acq: 11 Dec 2018 09:18

Tgt Ion: 91 Resp: 217239

Ion Ratio Lower Upper

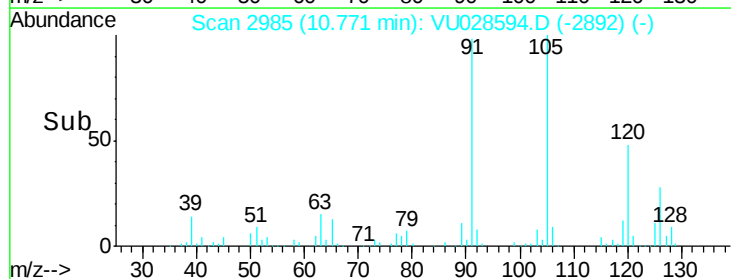
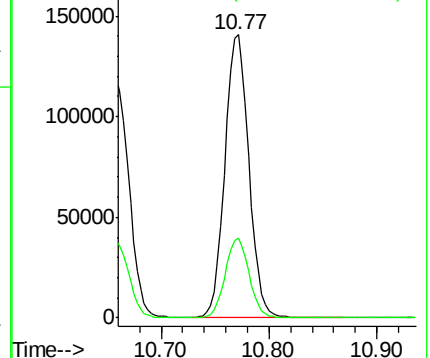
91 100

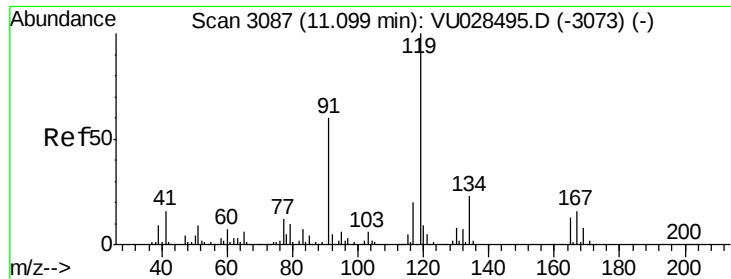
126 28.1 14.1 42.3



Abundance Ion 91.00 (90.70 to 91.70): VU028495.D (-2973) (-)

Ion 125.90 (125.60 to 126.60): VU028495.D (-2973) (-)

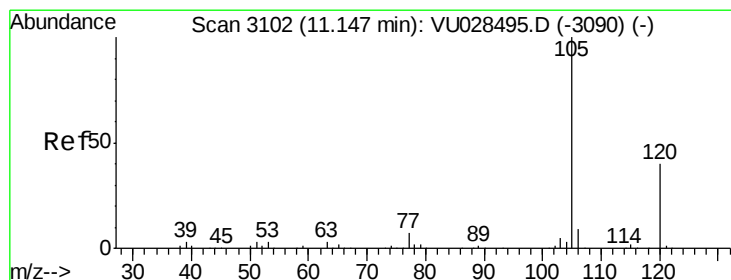
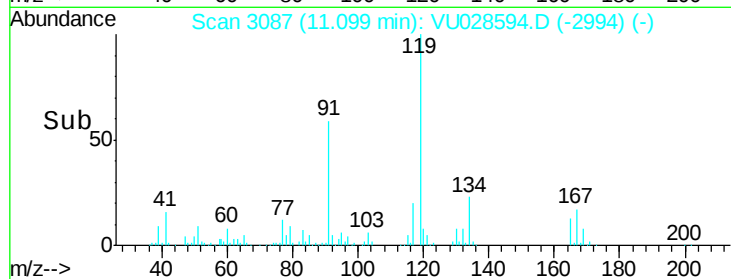
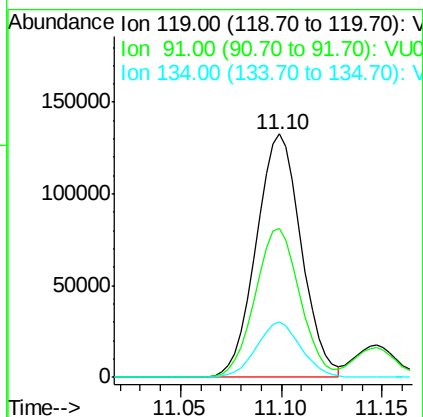
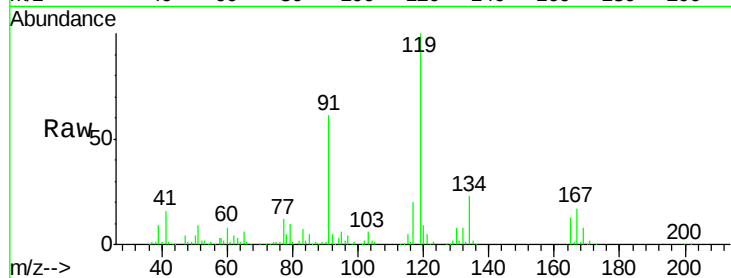




#83
tert-Butylbenzene
Concen: 48.116 ug/l
RT: 11.10 min Scan# 3087
Delta R.T. -0.00 min
Lab File: VU028594.D
Acq: 11 Dec 2018 09:18

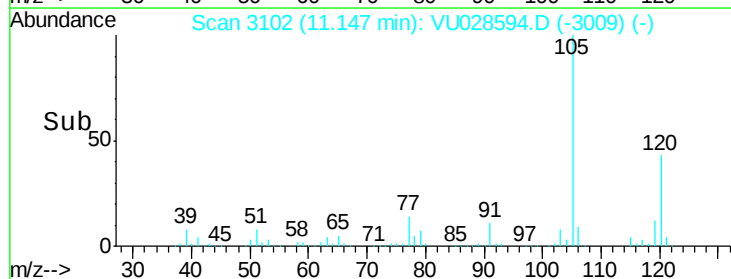
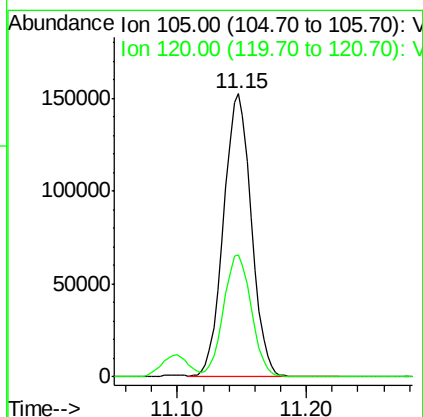
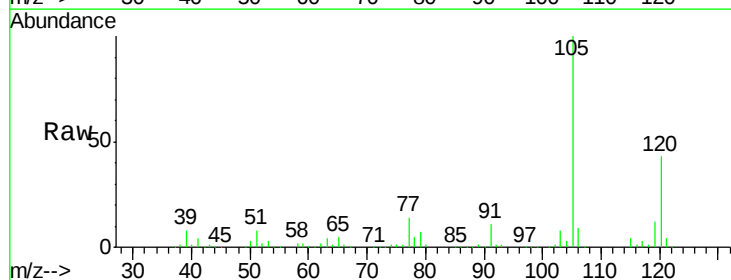
Instrument :
MSVOA_U
ClientSampleId :
P001-SW004-01MS

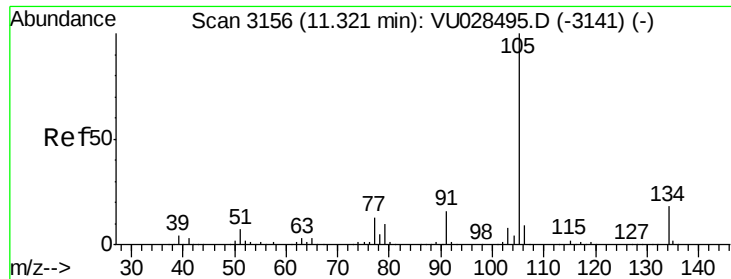
Tot Ion:119 Resp: 206435
Ion Ratio Lower Upper
119 100
91 61.4 30.3 91.0
134 22.4 11.2 33.5



#84
1,2,4-Trimethylbenzene
Concen: 49.693 ug/l
RT: 11.15 min Scan# 3102
Delta R.T. -0.00 min
Lab File: VU028594.D
Acq: 11 Dec 2018 09:18

Tgt Ion:105 Resp: 227961
Ion Ratio Lower Upper
105 100
120 43.3 21.8 65.4

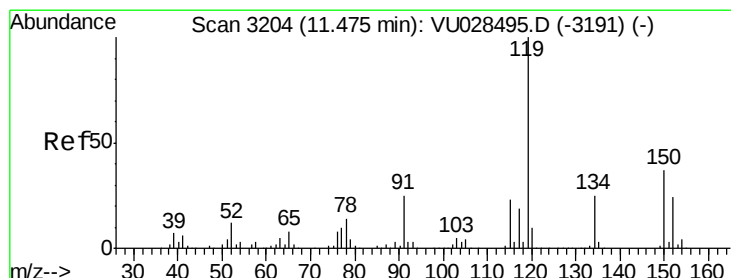
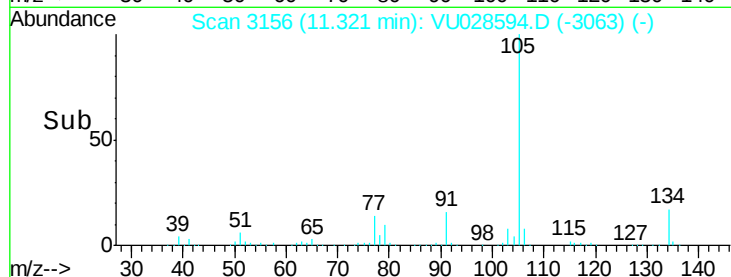
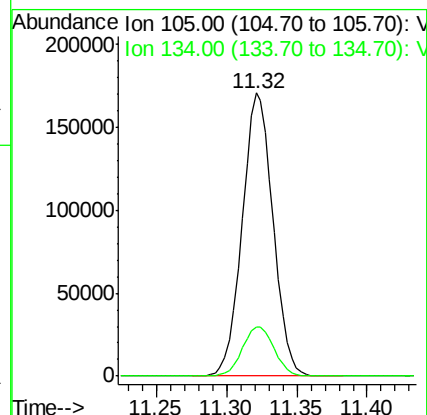
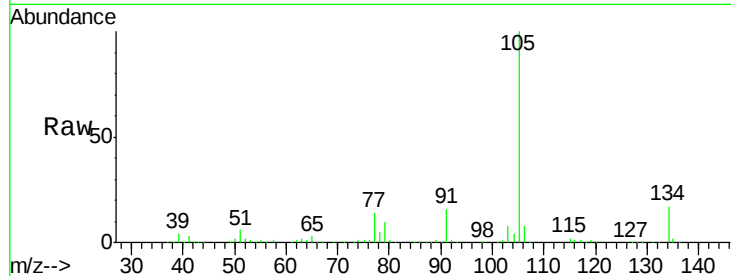




#85
 sec-Butylbenzene
 Concen: 47.254 ug/l
 RT: 11.32 min Scan# 3156
 Delta R.T. -0.00 min
 Lab File: VU028594.D
 Acq: 11 Dec 2018 09:18

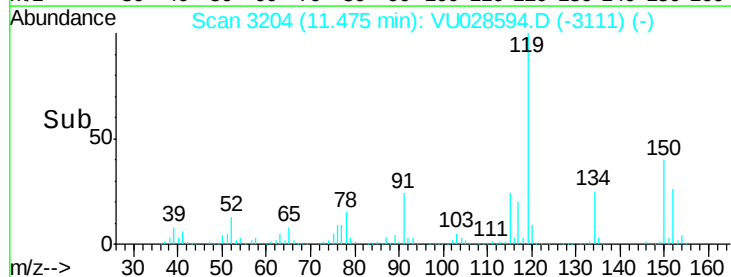
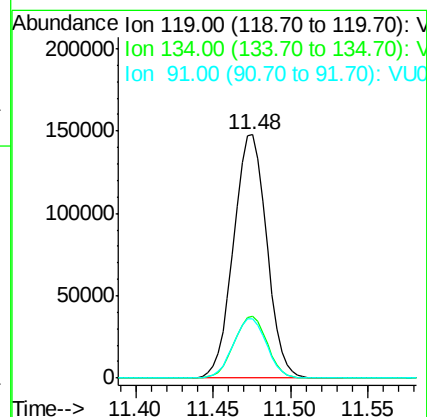
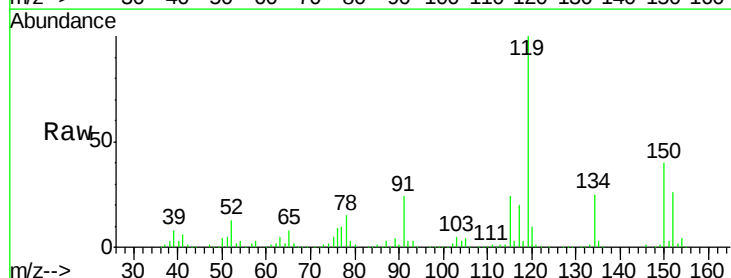
Instrument :
 MSVOA_U
 ClientSampleId :
 P001-SW004-01MS

Tot Ion:105 Resp: 260453
 Ion Ratio Lower Upper
 105 100
 134 18.0 9.2 27.6



#86
 p-Isopropyltoluene
 Concen: 46.918 ug/l
 RT: 11.48 min Scan# 3204
 Delta R.T. -0.00 min
 Lab File: VU028594.D
 Acq: 11 Dec 2018 09:18

Tgt Ion:119 Resp: 219672
 Ion Ratio Lower Upper
 119 100
 134 25.4 12.7 38.1
 91 24.8 12.6 37.6

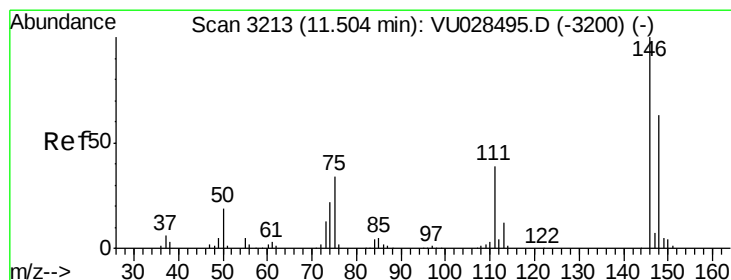
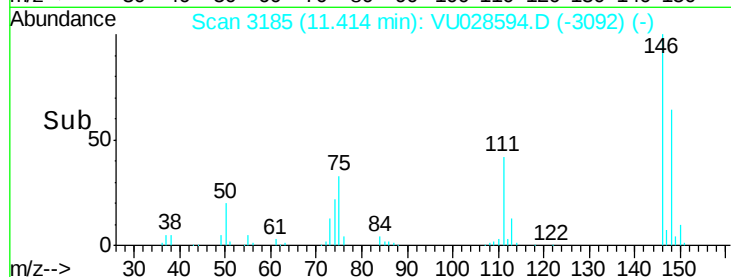
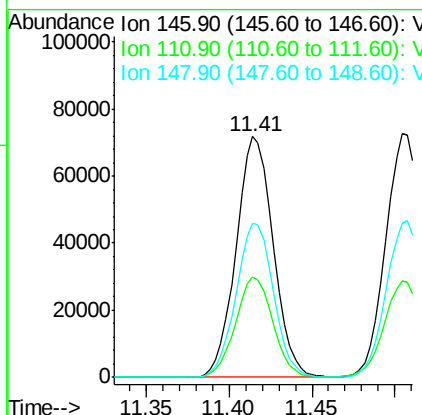
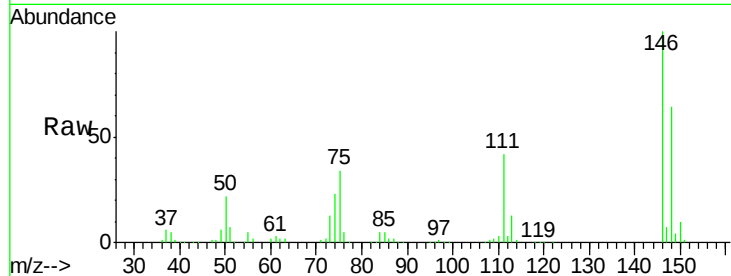




#87
 1,3-Dichlorobenzene
 Concen: 47.011 ug/l
 RT: 11.41 min Scan# 3185
 Delta R.T. -0.00 min
 Lab File: VU028594.D
 Acq: 11 Dec 2018 09:18

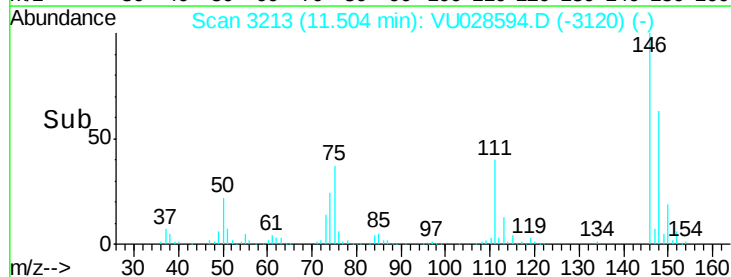
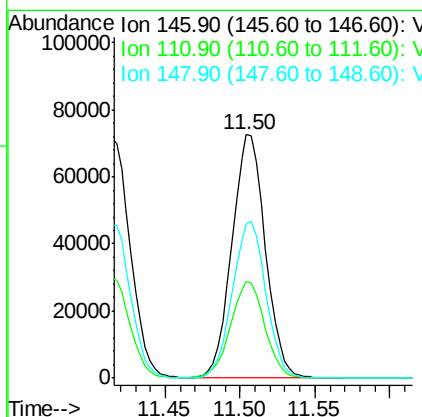
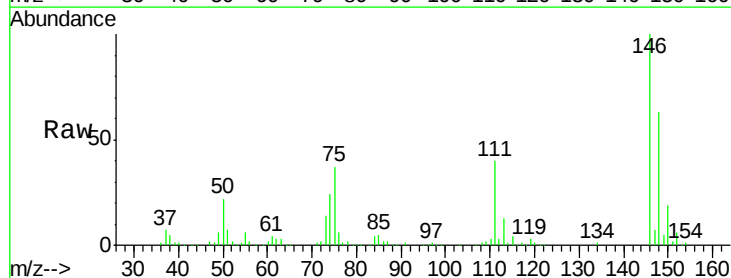
Instrument :
 MSVOA_U
 ClientSampleId :
 P001-SW004-01MS

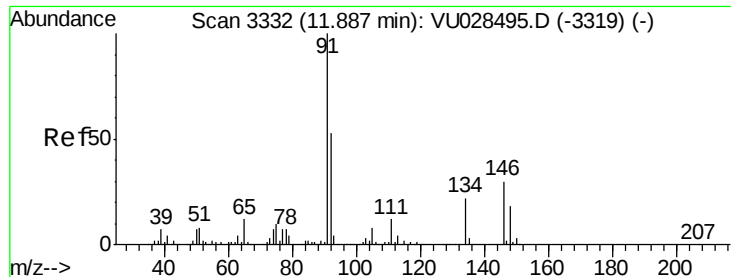
Tot Ion:146 Resp: 111640
 Ion Ratio Lower Upper
 146 100
 111 41.8 20.7 62.1
 148 64.4 31.9 95.7



#88
 1,4-Dichlorobenzene
 Concen: 45.955 ug/l
 RT: 11.50 min Scan# 3213
 Delta R.T. -0.00 min
 Lab File: VU028594.D
 Acq: 11 Dec 2018 09:18

Tgt Ion:146 Resp: 112910
 Ion Ratio Lower Upper
 146 100
 111 40.8 20.2 60.5
 148 64.7 31.6 95.0

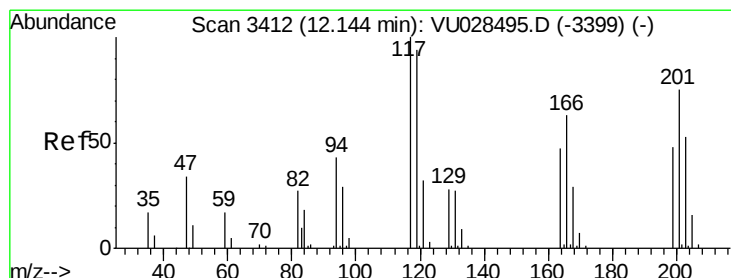
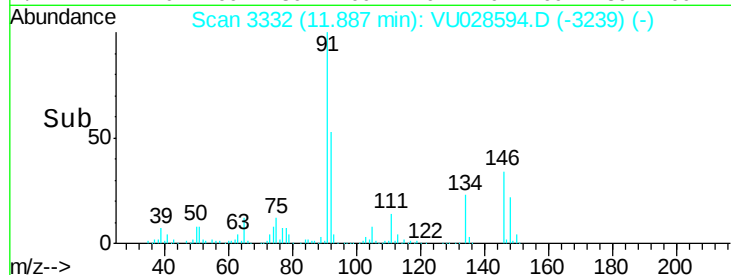
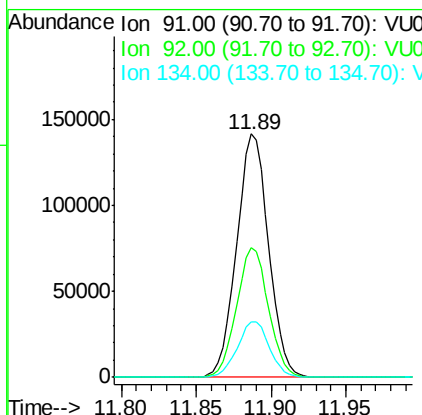
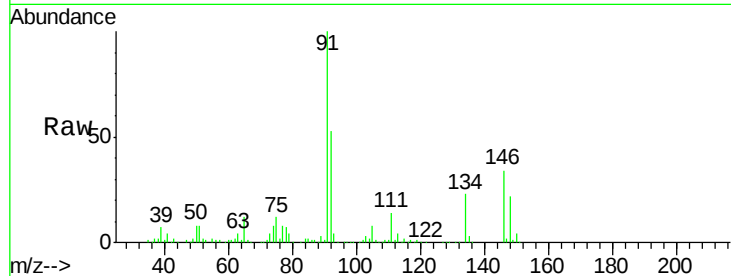




#89
n-Butylbenzene
Concen: 44.375 ug/l
RT: 11.89 min Scan# 3332
Delta R.T. -0.00 min
Lab File: VU028594.D
Acq: 11 Dec 2018 09:18

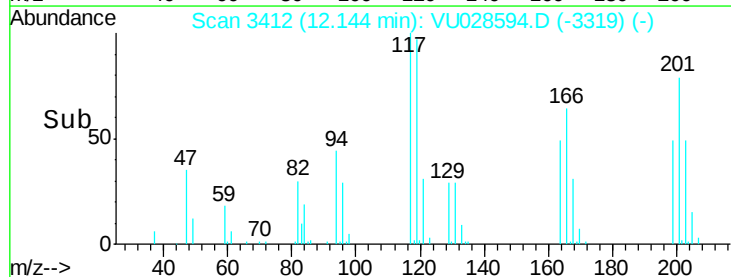
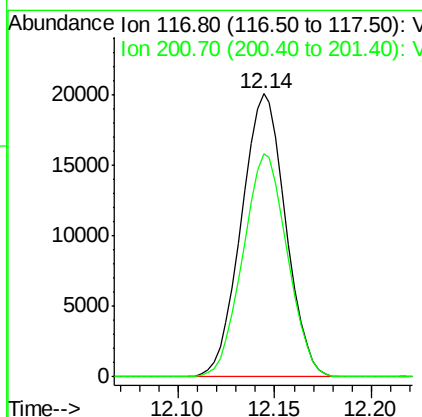
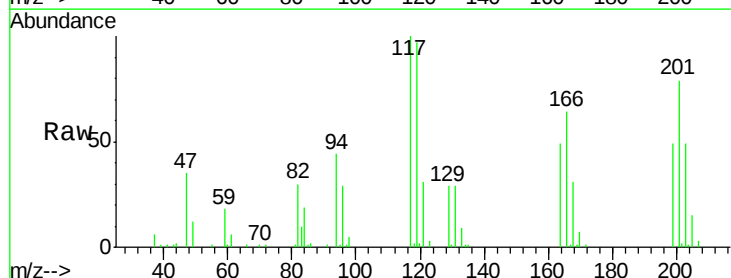
Instrument :
MSVOA_U
ClientSampleId :
P001-SW004-01MS

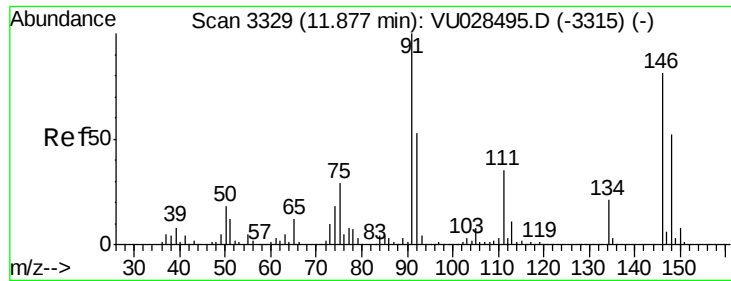
Tot Ion: 91 Resp: 210268
Ion Ratio Lower Upper
91 100
92 53.1 26.3 78.9
134 22.9 11.3 33.8



#90
Hexachloroethane
Concen: 45.170 ug/l
RT: 12.14 min Scan# 3412
Delta R.T. -0.00 min
Lab File: VU028594.D
Acq: 11 Dec 2018 09:18

Tgt Ion: 117 Resp: 31966
Ion Ratio Lower Upper
117 100
201 79.0 38.1 114.5

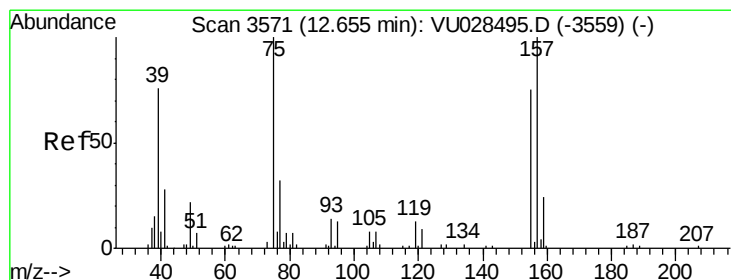
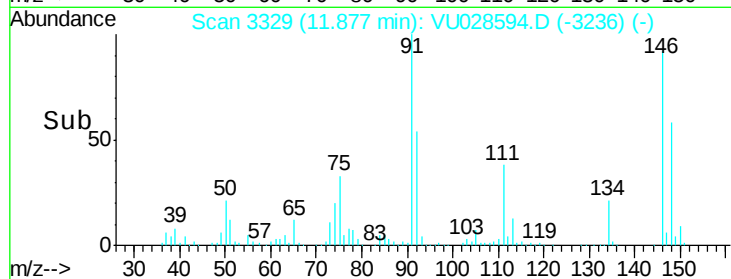
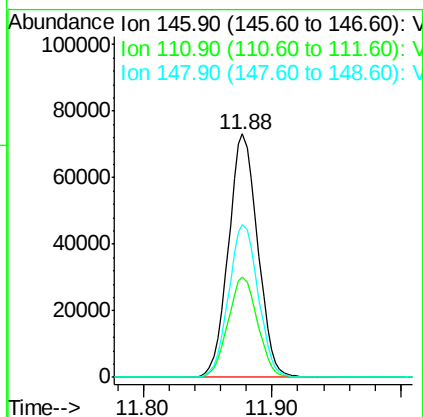
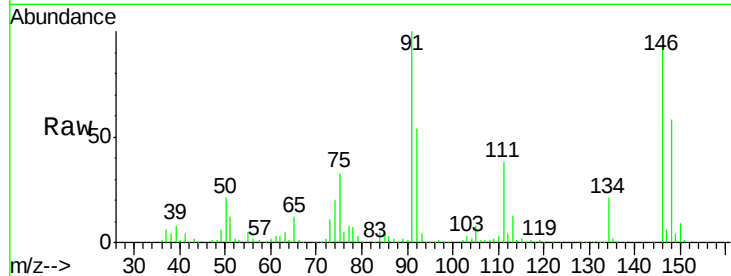




#91
 1,2-Dichlorobenzene
 Concen: 48.313 ug/l
 RT: 11.88 min Scan# 3329
 Delta R.T. -0.00 min
 Lab File: VU028594.D
 Acq: 11 Dec 2018 09:18

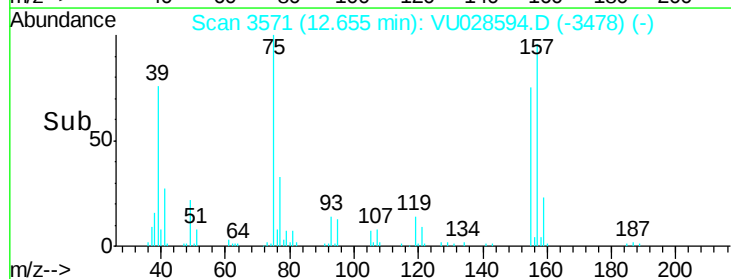
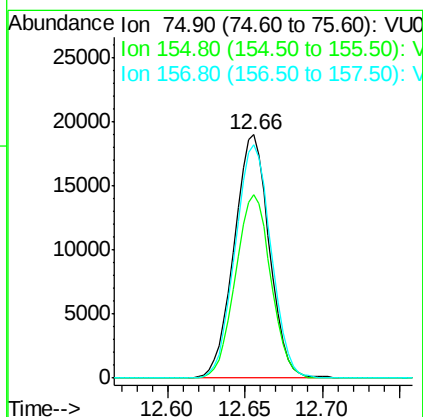
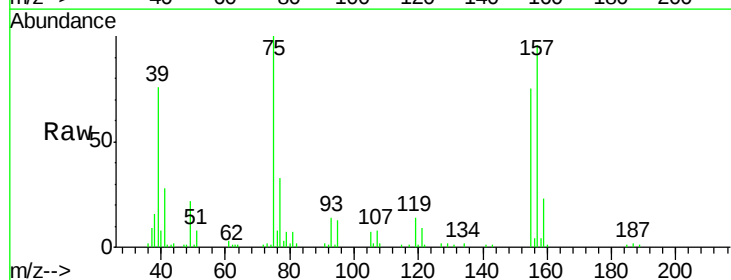
Instrument :
 MSVOA_U
 ClientSampleId :
 P001-SW004-01MS

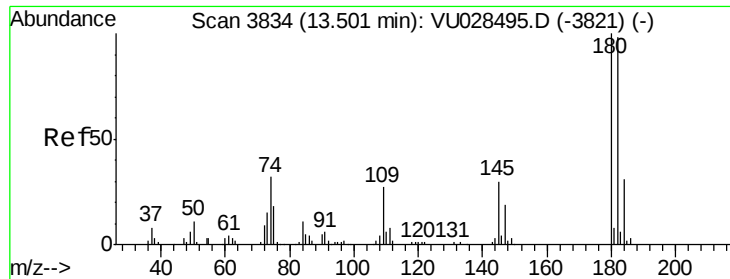
Tot Ion:146 Resp: 114764
 Ion Ratio Lower Upper
 146 100
 111 41.8 21.1 63.4
 148 63.4 31.4 94.2



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 67.079 ug/l
 RT: 12.66 min Scan# 3571
 Delta R.T. -0.00 min
 Lab File: VU028594.D
 Acq: 11 Dec 2018 09:18

Tgt Ion: 75 Resp: 29999
 Ion Ratio Lower Upper
 75 100
 155 75.7 38.1 114.5
 157 97.9 48.7 146.1

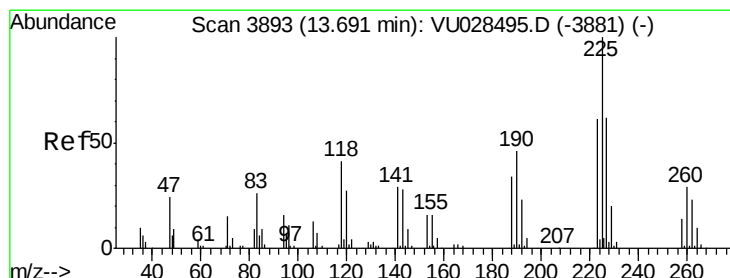
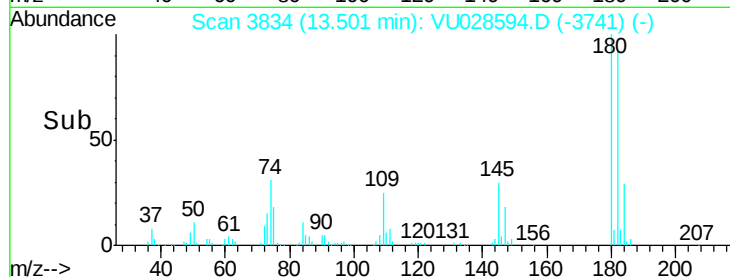
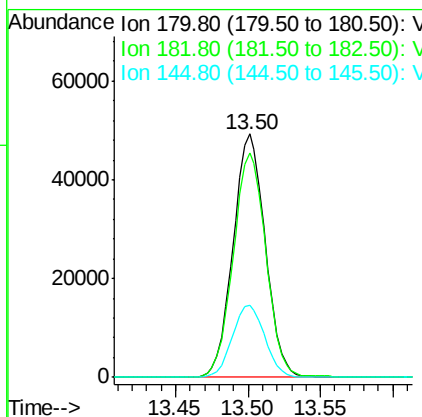
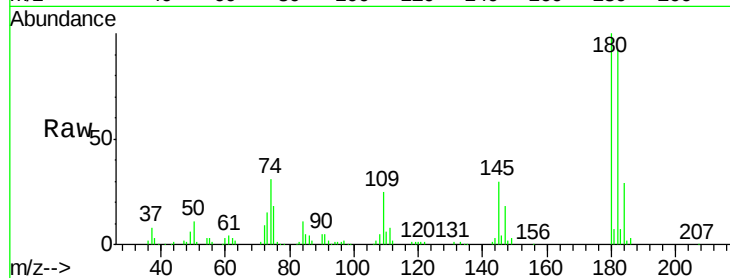




#93
 1,2,4-Trichlorobenzene
 Concen: 46.437 ug/l
 RT: 13.50 min Scan# 3834
 Delta R.T. -0.00 min
 Lab File: VU028594.D
 Acq: 11 Dec 2018 09:18

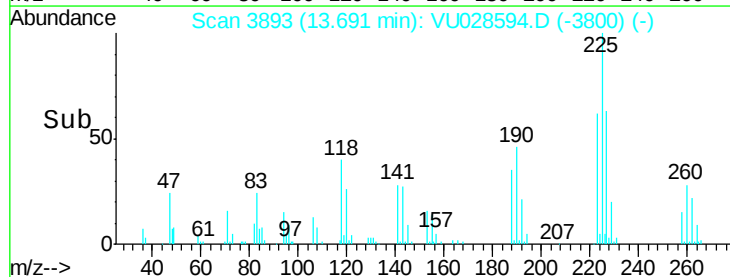
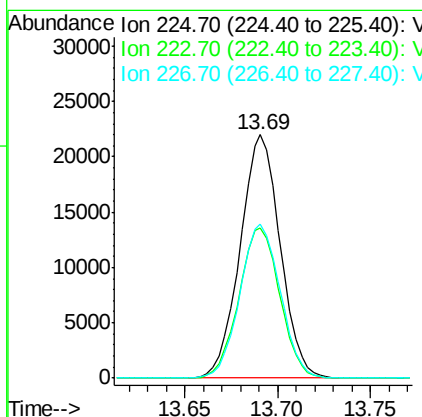
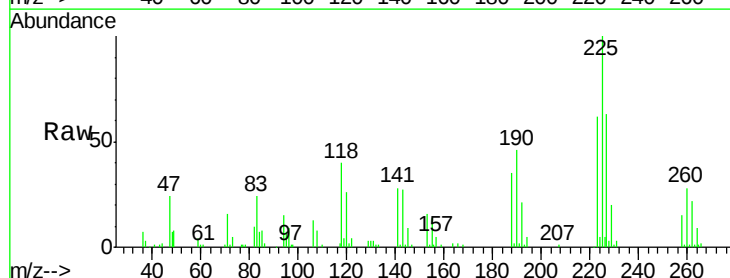
Instrument :
 MSVOA_U
 ClientSampleId :
 P001-SW004-01MS

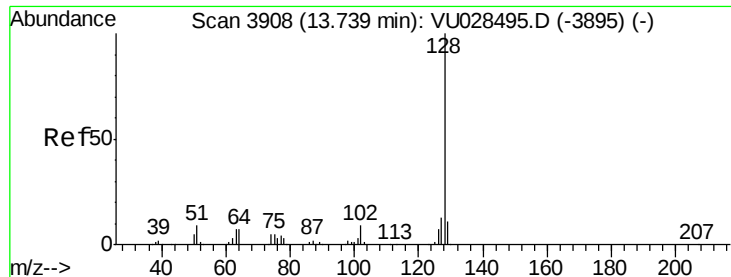
Tot Ion:180 Resp: 75699
 Ion Ratio Lower Upper
 180 100
 182 93.7 47.9 143.8
 145 29.9 15.0 45.1



#94
 Hexachlorobutadiene
 Concen: 42.394 ug/l
 RT: 13.69 min Scan# 3893
 Delta R.T. -0.00 min
 Lab File: VU028594.D
 Acq: 11 Dec 2018 09:18

Tgt Ion:225 Resp: 32987
 Ion Ratio Lower Upper
 225 100
 223 62.9 30.4 91.2
 227 63.9 30.7 92.1





#95

Naphthalene

Concen: 53.522 ug/l

RT: 13.74 min Scan# 3908

Delta R.T. -0.00 min

Lab File: VU028594.D

Acq: 11 Dec 2018 09:18

Instrument :

MSVOA_U

ClientSampleId :

P001-SW004-01MS

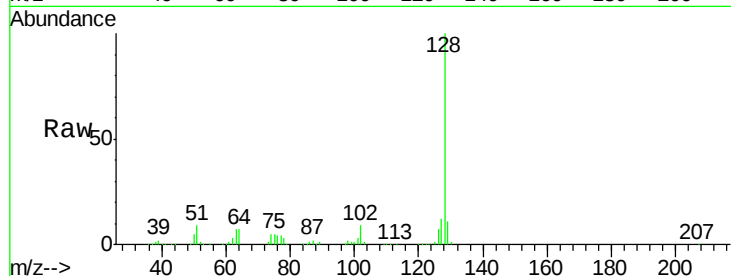
Tot Ion:128 Resp: 305081

Ion Ratio Lower Upper

128 100

127 12.7 10.4 15.6

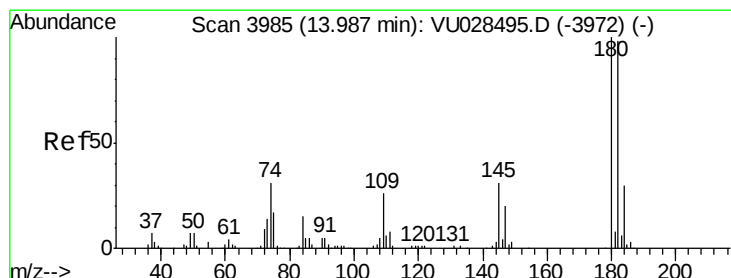
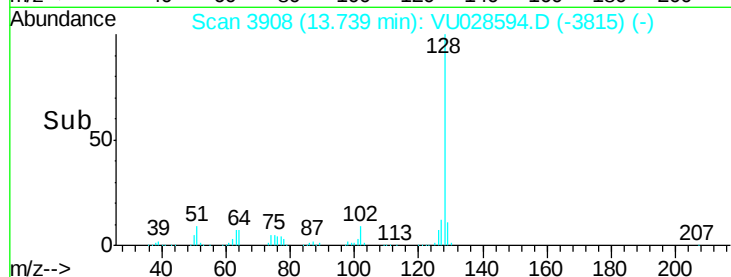
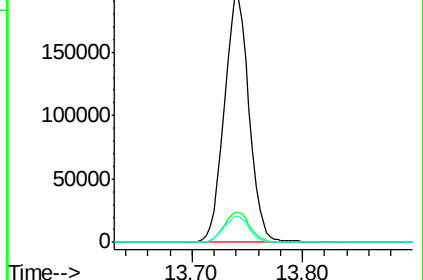
129 10.9 8.6 13.0



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 47.354 ug/l

RT: 13.99 min Scan# 3985

Delta R.T. 0.00 min

Lab File: VU028594.D

Acq: 11 Dec 2018 09:18

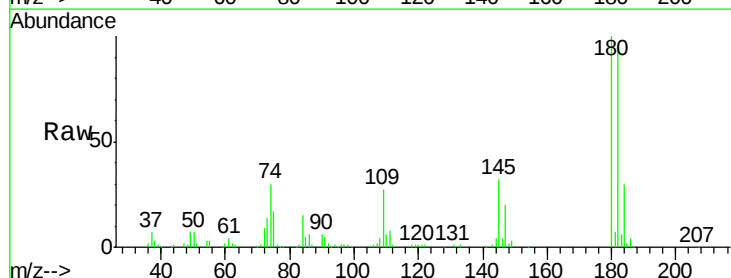
Tgt Ion:180 Resp: 76916

Ion Ratio Lower Upper

180 100

182 96.2 48.2 144.6

145 32.7 15.8 47.3



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

