

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U120618\
 Data File : VU028496.D
 Acq On : 06 Dec 2018 12:56
 Operator : MD/SY
 Sample : VSTDICC100
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Dec 07 00:14:37 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U120618W.M
 Quant Title : SW846 8260
 QLast Update : Fri Dec 07 00:10:10 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.98	168	108244	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.88	114	191022	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	181808	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	92706	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.31	65	168740	102.15	ug/l	0.00
Spiked Amount	50.000		Recovery	=	204.30%	
35) Dibromofluoromethane	4.88	113	124172	103.29	ug/l	0.00
Spiked Amount	50.000		Recovery	=	206.58%	
50) Toluene-d8	7.57	98	498967	104.93	ug/l	0.00
Spiked Amount	50.000		Recovery	=	209.86%	
62) 4-Bromofluorobenzene	10.30	95	186086	104.70	ug/l	0.00
Spiked Amount	50.000		Recovery	=	209.40%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.21	85	146006	100.634	ug/l	99
3) Chloromethane	1.33	50	259397	97.248	ug/l	99
4) Vinyl Chloride	1.40	62	193543	100.544	ug/l	99
5) Bromomethane	1.61	94	67231	86.703	ug/l	97
6) Chloroethane	1.69	64	109440	100.425	ug/l	99
7) Trichlorofluoromethane	1.88	101	200835	99.165	ug/l	98
8) Diethyl Ether	2.10	74	91118	96.163	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.28	101	119687	98.813	ug/l	98
10) Methyl Iodide	2.41	142	101191	106.471	ug/l	98
11) Tert butyl alcohol	2.83	59	176165	478.669	ug/l	100
12) 1,1-Dichloroethene	2.28	96	119427	99.096	ug/l	98
13) Acrolein	2.19	56	147079	501.307	ug/l	100
14) Allyl chloride	2.59	41	270323	94.816	ug/l	98
15) Acrylonitrile	2.94	53	510615	499.736	ug/l	100
16) Acetone	2.32	43	477560	443.037	ug/l	99
17) Carbon Disulfide	2.48	76	419968	96.730	ug/l	100
18) Methyl Acetate	2.61	43	280222	100.285	ug/l	100
19) Methyl tert-butyl Ether	3.00	73	452618	99.070	ug/l	99
20) Methylene Chloride	2.70	84	149443	94.047	ug/l	99
21) trans-1,2-Dichloroethene	2.98	96	133750	98.569	ug/l	97
22) Diisopropyl ether	3.57	45	554911	100.087	ug/l	97
23) Vinyl Acetate	3.52	43	2345915	512.973	ug/l	100
24) 1,1-Dichloroethane	3.45	63	282584	97.368	ug/l	99
25) 2-Butanone	4.26	43	729066	494.923	ug/l	100
26) 2,2-Dichloropropane	4.23	77	224950	97.822	ug/l	100
27) cis-1,2-Dichloroethene	4.22	96	151712	98.782	ug/l	100
28) Bromochloromethane	4.55	49	129153	97.892	ug/l	100
29) Tetrahydrofuran	4.64	42	476132	503.270	ug/l	99
30) Chloroform	4.67	83	251504	99.430	ug/l	97
31) Cyclohexane	4.99	56	280948	82.523	ug/l	98
32) 1,1,1-Trichloroethane	4.92	97	208808	99.395	ug/l	99
36) 1,1-Dichloropropene	5.13	75	202792	97.015	ug/l	99
37) Ethyl Acetate	4.38	43	271854	100.606	ug/l	99
38) Carbon Tetrachloride	5.13	117	166287	98.698	ug/l	98

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U120618\
 Data File : VU028496.D
 Acq On : 06 Dec 2018 12:56
 Operator : MD/SY
 Sample : VSTDICC100
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Dec 07 00:14:37 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U120618W.M
 Quant Title : SW846 8260
 QLast Update : Fri Dec 07 00:10:10 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.41	83	251252	98.524	ug/l	99
40) Benzene	5.39	78	605423	98.339	ug/l	99
41) Methacrylonitrile	4.54	41	154344	104.298	ug/l	97
42) 1,2-Dichloroethane	5.40	62	211625	98.202	ug/l	99
43) Isopropyl Acetate	5.55	43	432544	101.203	ug/l	99
44) Trichloroethene	6.19	130	134463	98.228	ug/l	98
45) 1,2-Dichloropropane	6.43	63	172104	99.410	ug/l	97
46) Dibromomethane	6.56	93	101689	98.996	ug/l	98
47) Bromodichloromethane	6.76	83	197740	98.926	ug/l	100
48) Methyl methacrylate	6.62	41	219048	103.058	ug/l	99
49) 1,4-Dioxane	6.61	88	63705	1898.201	ug/l	99
51) 4-Methyl-2-Pentanone	7.46	43	1359773	504.427	ug/l	100
52) Toluene	7.64	92	367521	101.435	ug/l	99
53) t-1,3-Dichloropropene	7.88	75	245514	103.130	ug/l	99
54) cis-1,3-Dichloropropene	7.27	75	261905	101.403	ug/l	100
55) 1,1,2-Trichloroethane	8.06	97	141586	98.857	ug/l	96
56) Ethyl methacrylate	8.02	69	256990	104.782	ug/l	100
57) 1,3-Dichloropropane	8.24	76	263848	99.241	ug/l	100
58) 2-Chloroethyl Vinyl ether	7.13	63	664013	528.572	ug/l	100
59) 2-Hexanone	8.36	43	1072265	501.853	ug/l	99
60) Dibromochloromethane	8.48	129	139542	99.514	ug/l	100
61) 1,2-Dibromoethane	8.58	107	153845	102.432	ug/l	99
64) Tetrachloroethene	8.23	164	114781	94.649	ug/l	98
65) Chlorobenzene	9.12	112	380214	98.141	ug/l	100
66) 1,1,1,2-Tetrachloroethane	9.21	131	127520	103.076	ug/l	99
67) Ethyl Benzene	9.25	91	713457	100.178	ug/l	99
68) m/p-Xylenes	9.38	106	522893	201.774	ug/l	100
69) o-Xylene	9.78	106	252764	100.367	ug/l	100
70) Styrene	9.79	104	425927	102.196	ug/l	100
71) Bromoform	9.96	173	109756	104.289	ug/l #	99
73) Isopropylbenzene	10.17	105	671819	94.441	ug/l	100
74) N-amyl acetate	10.01	43	401962	97.959	ug/l	100
75) 1,1,2,2-Tetrachloroethane	10.46	83	263841	96.551	ug/l	99
76) 1,2,3-Trichloropropane	10.49	75	321187	120.091	ug/l	82
77) Bromobenzene	10.45	156	159103	95.632	ug/l	100
78) n-propylbenzene	10.59	91	852583	96.453	ug/l	99
79) 2-Chlorotoluene	10.66	91	485886	95.427	ug/l	100
80) 1,3,5-Trimethylbenzene	10.77	105	575929	97.806	ug/l	99
81) trans-1,4-Dichloro-2-buten	10.49	75	321187	242.826	ug/l #	100
82) 4-Chlorotoluene	10.77	91	577308	95.680	ug/l	100
83) tert-Butylbenzene	11.10	119	548084	96.567	ug/l	100
84) 1,2,4-Trimethylbenzene	11.15	105	591449	97.461	ug/l	100
85) sec-Butylbenzene	11.32	105	707603	97.046	ug/l	100
86) p-Isopropyltoluene	11.48	119	600722	96.988	ug/l	99
87) 1,3-Dichlorobenzene	11.41	146	298005	94.860	ug/l	100
88) 1,4-Dichlorobenzene	11.50	146	304485	93.680	ug/l	99
89) n-Butylbenzene	11.89	91	627958	100.178	ug/l	99
90) Hexachloroethane	12.14	117	95743	102.270	ug/l	99
91) 1,2-Dichlorobenzene	11.88	146	297155	94.563	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.66	75	60663	102.538	ug/l	99

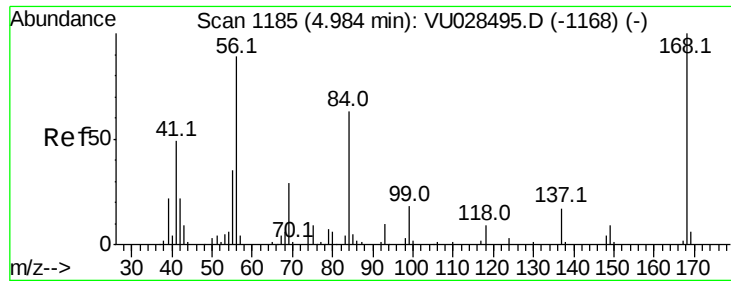
Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU120618\
Data File : VU028496.D
Acq On : 06 Dec 2018 12:56
Operator : MD/SY
Sample : VSTDICC100
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :

Quant Time: Dec 07 00:14:37 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U120618W.M
Quant Title : SW846 8260
QLast Update : Fri Dec 07 00:10:10 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.50	180	217053	96.343	ug/l	99
94) Hexachlorobutadiene	13.69	225	96201	93.459	ug/l	97
95) Naphthalene	13.74	128	737739	97.837	ug/l	100
96) 1,2,3-Trichlorobenzene	13.98	180	214517	94.644	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: VU028496.D

Acq: 06 Dec 2018 12:56

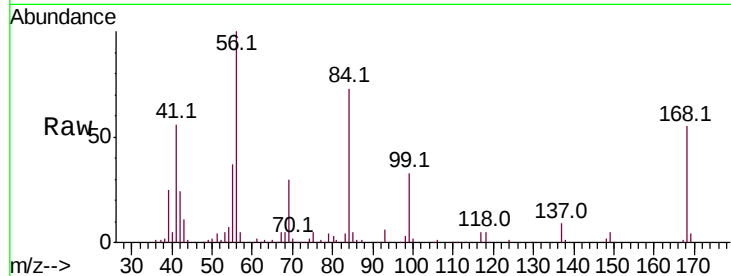
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion:168 Resp: 108244

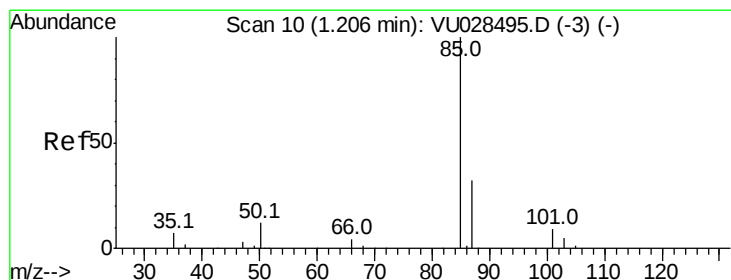
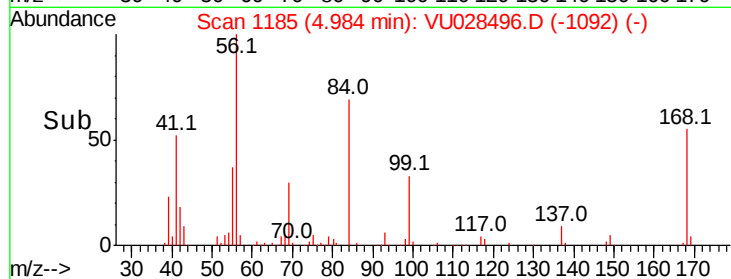
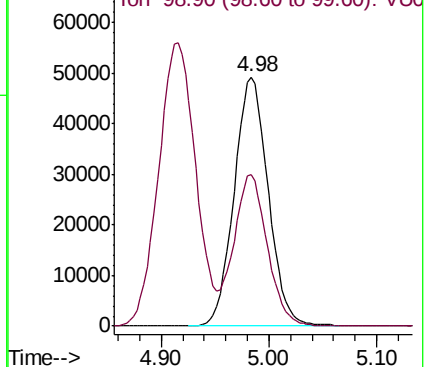
Ion Ratio Lower Upper

168 100

99 60.7 46.6 69.8



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



#2

Dichlorodifluoromethane

Concen: 100.634 ug/l

RT: 1.21 min Scan# 10

Delta R.T. -0.00 min

Lab File: VU028496.D

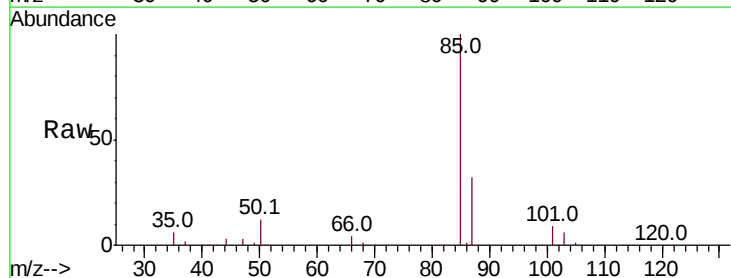
Acq: 06 Dec 2018 12:56

Tgt Ion: 85 Resp: 146006

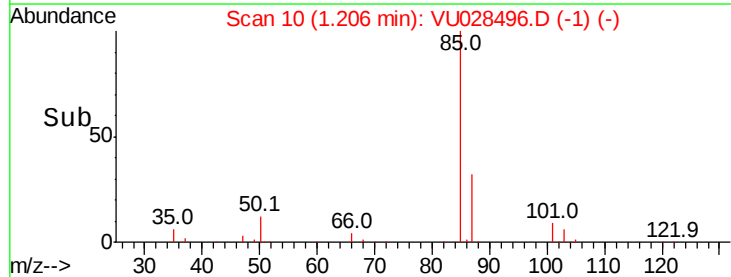
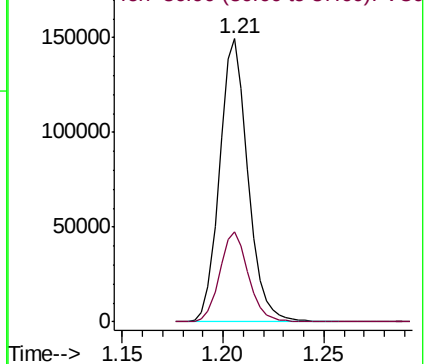
Ion Ratio Lower Upper

85 100

87 32.0 15.9 47.6



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





#3

Chloromethane

Concen: 97.248 ug/l

RT: 1.33 min Scan# 48

Delta R.T. -0.00 min

Lab File: VU028496.D

Acq: 06 Dec 2018 12:56

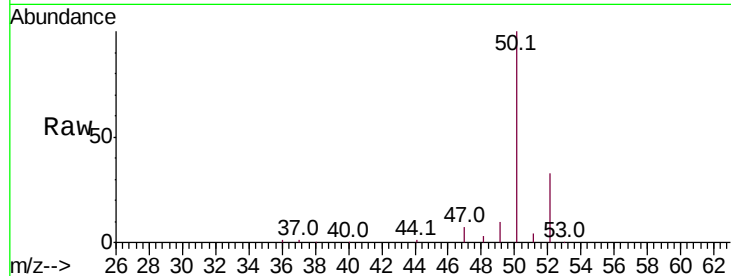
Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 50 Resp: 259397

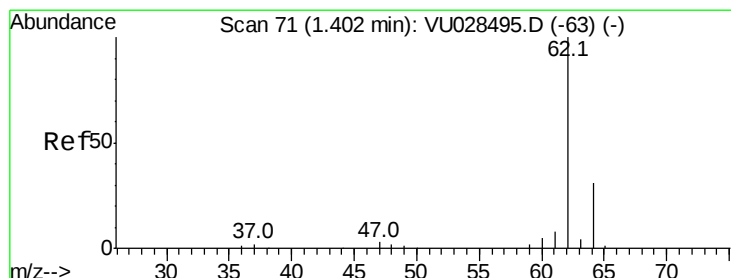
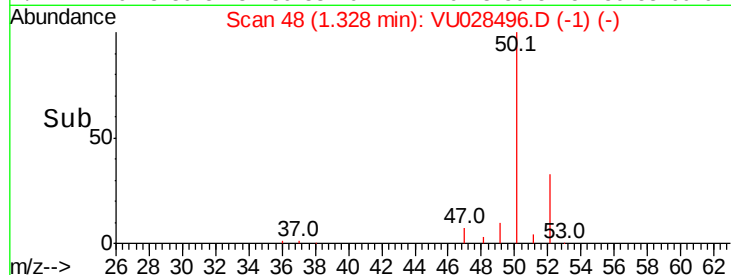
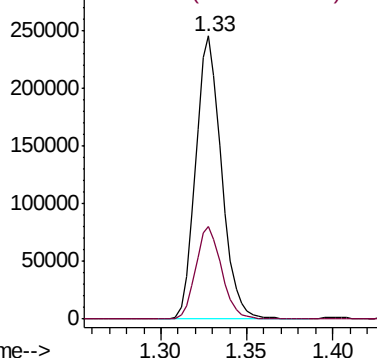
Ion Ratio Lower Upper

50 100

52 32.6 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: 100.544 ug/l

RT: 1.40 min Scan# 71

Delta R.T. -0.00 min

Lab File: VU028496.D

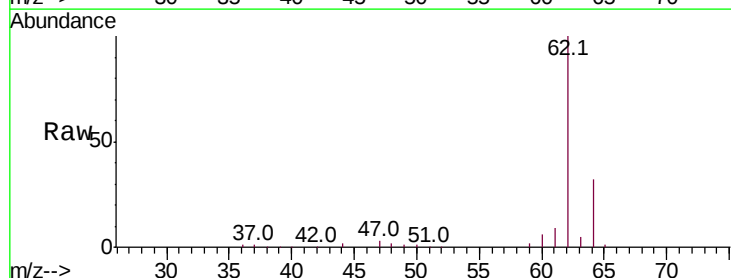
Acq: 06 Dec 2018 12:56

Tgt Ion: 62 Resp: 193543

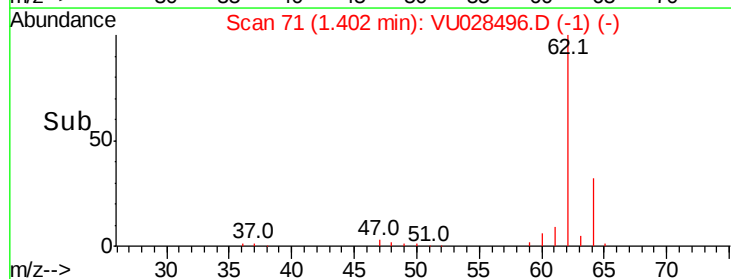
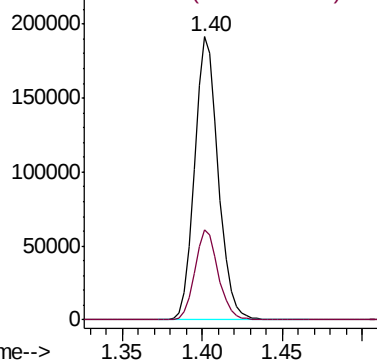
Ion Ratio Lower Upper

62 100

64 31.8 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: 86.703 ug/l

RT: 1.61 min Scan# 136

Delta R.T. -0.01 min

Lab File: VU028496.D

Acq: 06 Dec 2018 12:56

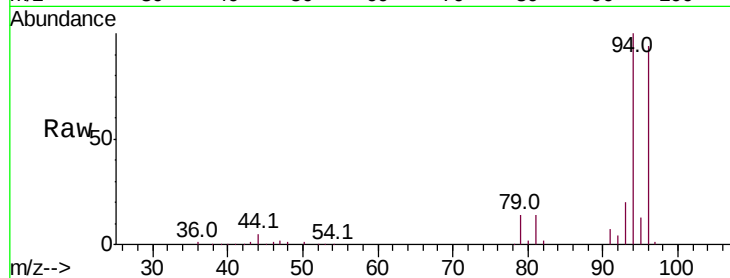
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 94 Resp: 67231

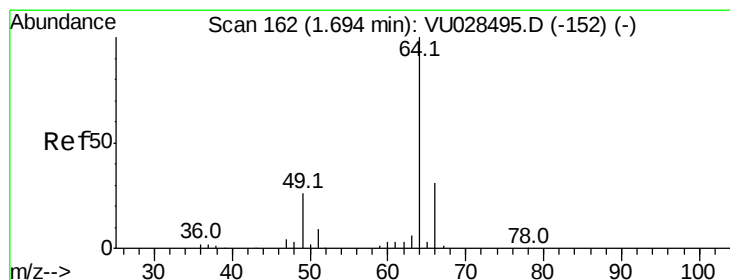
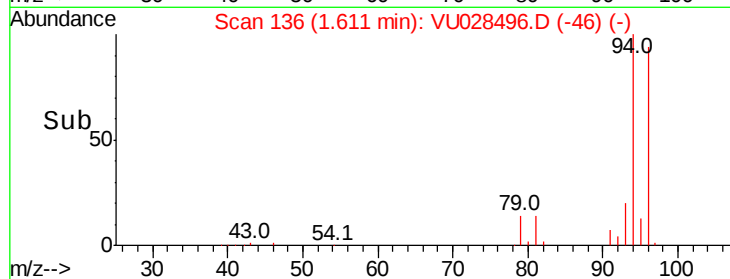
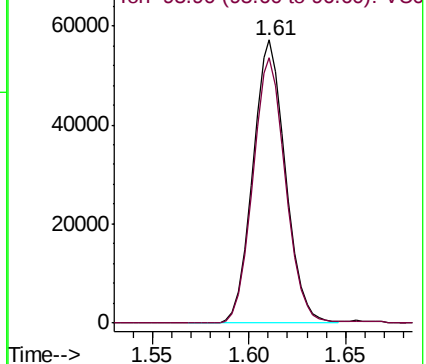
Ion Ratio Lower Upper

94 100

96 94.0 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: 100.425 ug/l

RT: 1.69 min Scan# 160

Delta R.T. -0.01 min

Lab File: VU028496.D

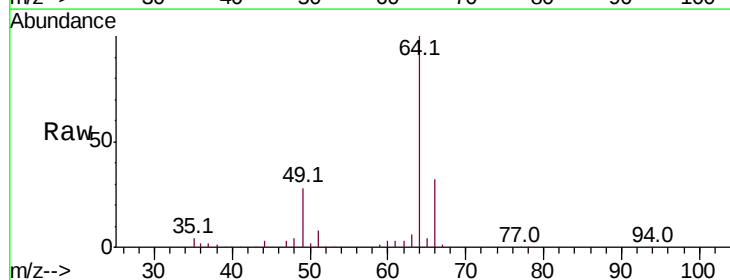
Acq: 06 Dec 2018 12:56

Tgt Ion: 64 Resp: 109440

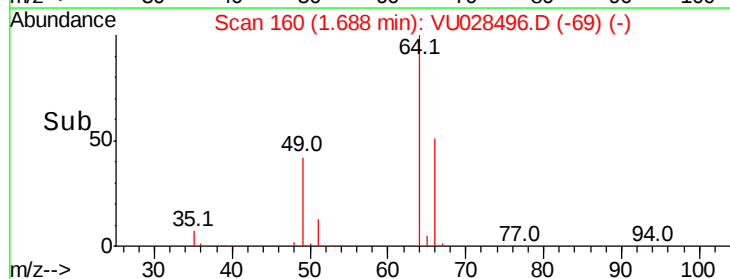
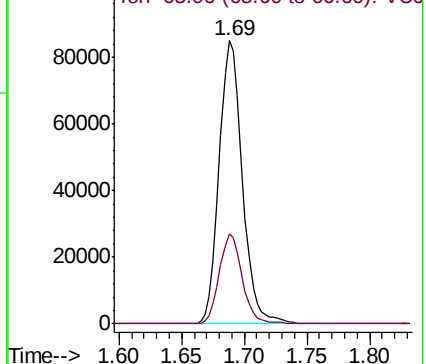
Ion Ratio Lower Upper

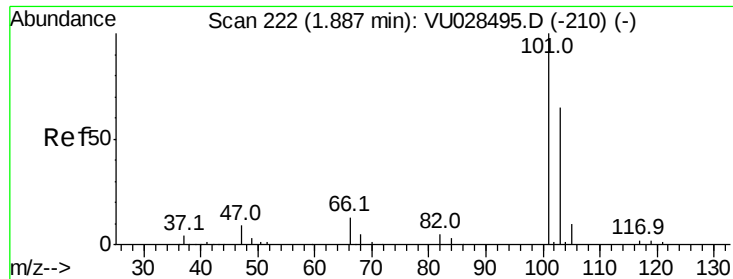
64 100

66 31.6 25.0 37.6



Abundance Ion 63.90 (63.60 to 64.60): VU0
Ion 65.90 (65.60 to 66.60): VU0



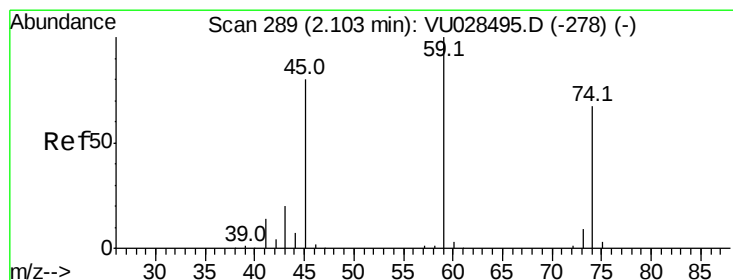
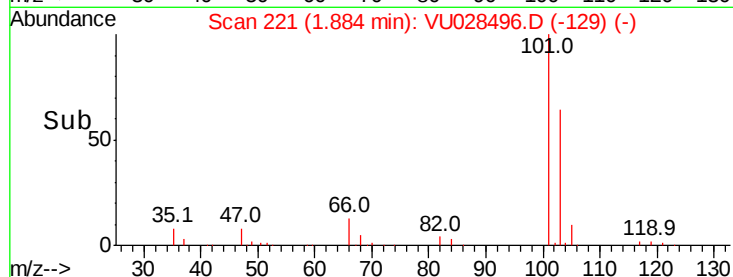
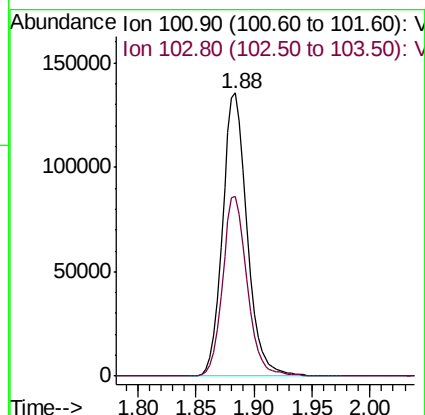
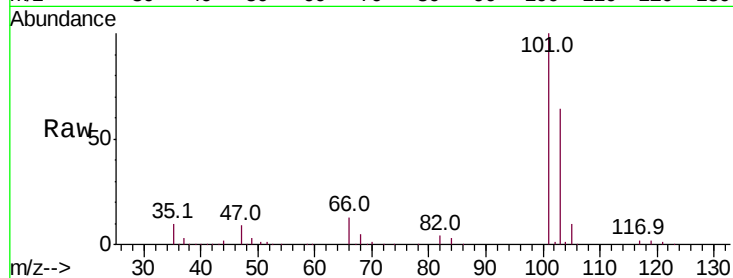


#7

Trichlorofluoromethane
Concen: 99.165 ug/l
RT: 1.88 min Scan# 221
Delta R.T. -0.00 min
Lab File: VU028496.D
Acq: 06 Dec 2018 12:56

Instrument :
MSVOA_U
ClientSampleId :

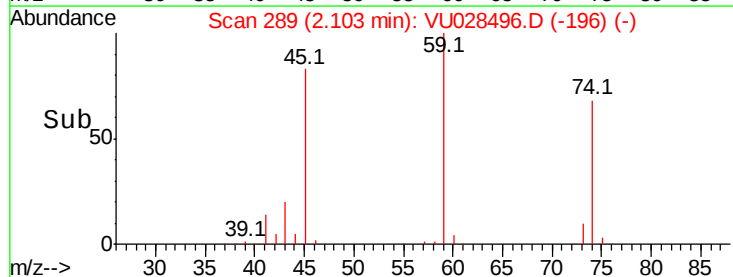
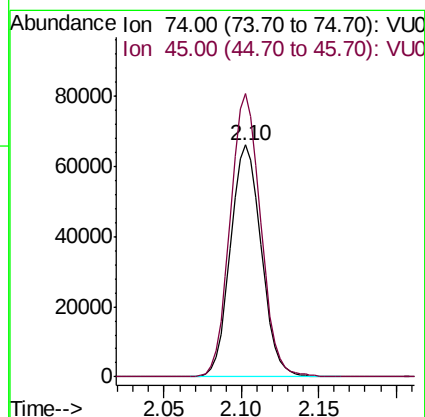
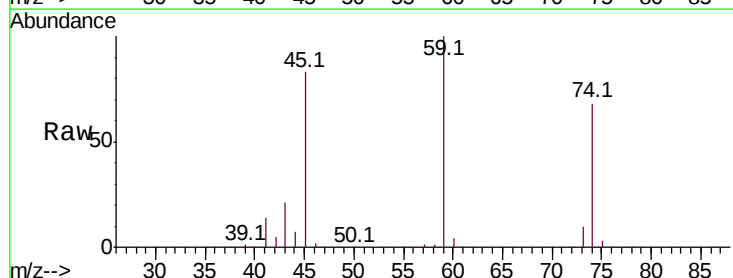
Tot Ion:101 Resp: 200835
Ion Ratio Lower Upper
101 100
103 63.7 52.3 78.5



#8

Diethyl Ether
Concen: 96.163 ug/l
RT: 2.10 min Scan# 289
Delta R.T. -0.00 min
Lab File: VU028496.D
Acq: 06 Dec 2018 12:56

Tgt Ion: 74 Resp: 91118
Ion Ratio Lower Upper
74 100
45 120.7 59.7 179.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 98.813 ug/l

RT: 2.28 min Scan# 345

Delta R.T. -0.00 min

Lab File: VU028496.D

Acq: 06 Dec 2018 12:56

Instrument :

MSVOA_U

ClientSampleId :

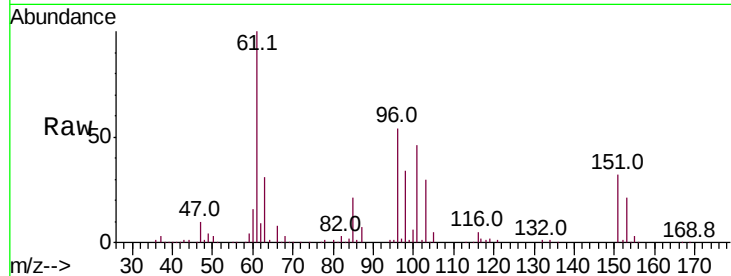
Tot Ion:101 Resp: 119687

Ion Ratio Lower Upper

101 100

85 45.2 36.4 54.6

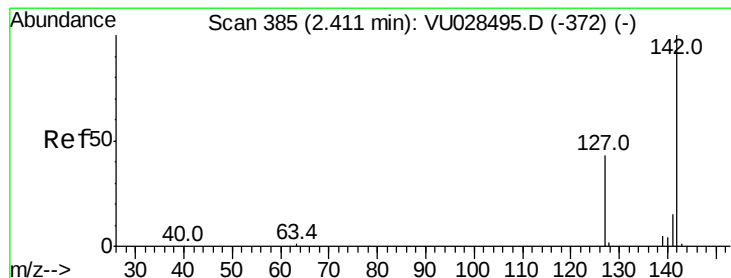
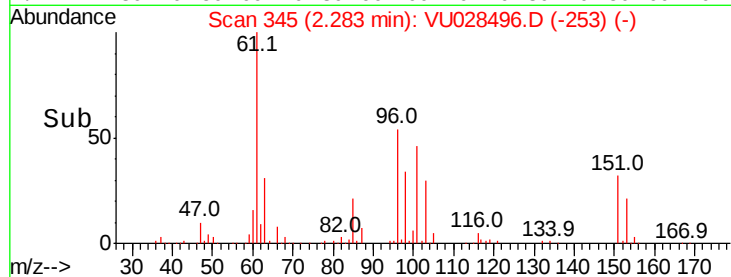
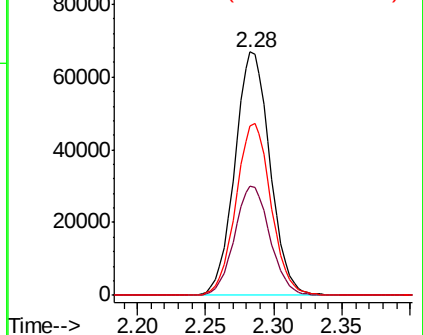
151 70.5 58.2 87.2



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VU0

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 106.471 ug/l

RT: 2.41 min Scan# 384

Delta R.T. -0.00 min

Lab File: VU028496.D

Acq: 06 Dec 2018 12:56

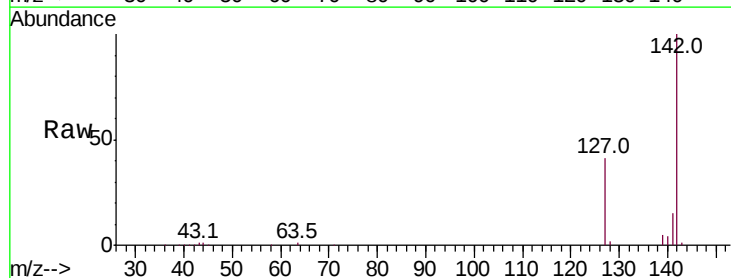
Tgt Ion:142 Resp: 101191

Ion Ratio Lower Upper

142 100

127 40.7 33.5 50.3

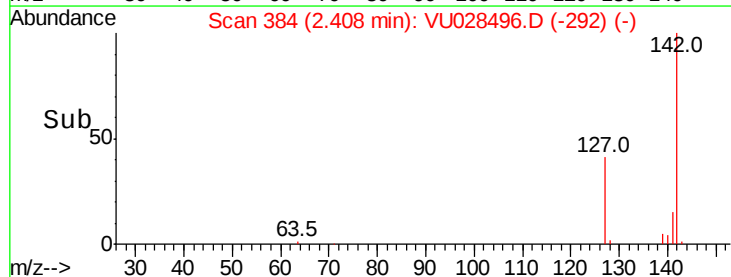
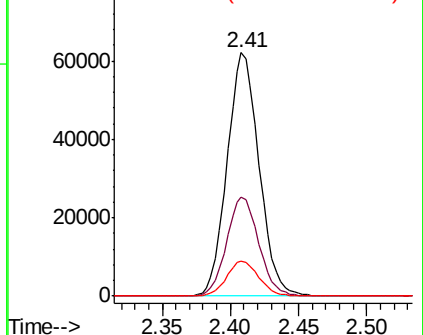
141 14.5 11.2 16.8

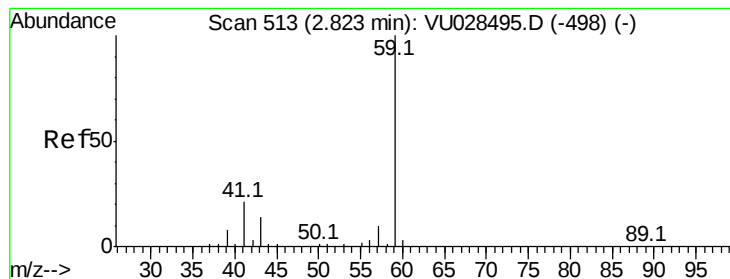


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



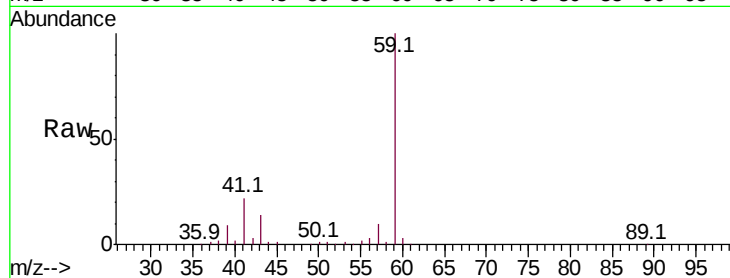


#11

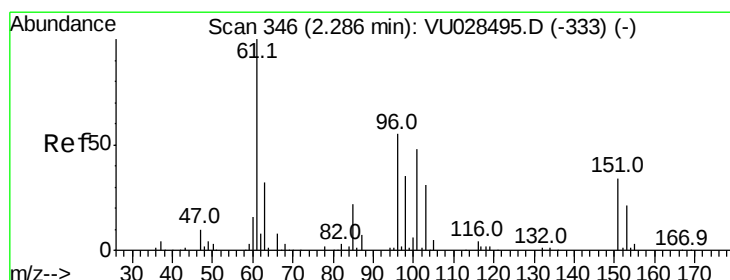
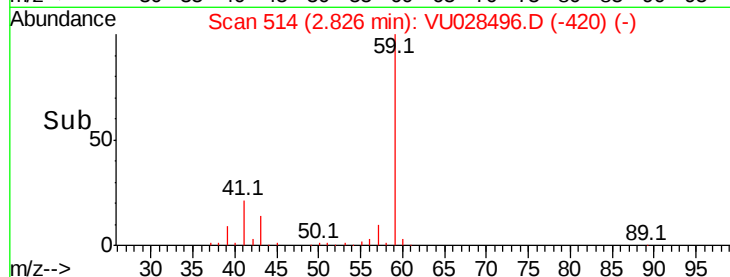
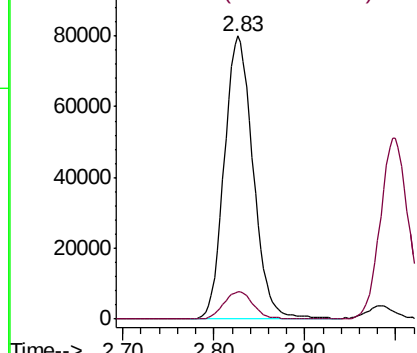
Tert butyl alcohol
 Concen: 478.669 ug/l
 RT: 2.83 min Scan# 514
 Delta R.T. 0.00 min
 Lab File: VU028496.D
 Acq: 06 Dec 2018 12:56

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion: 59 Resp: 176165
 Ion Ratio Lower Upper
 59 100
 57 9.8 8.0 12.0



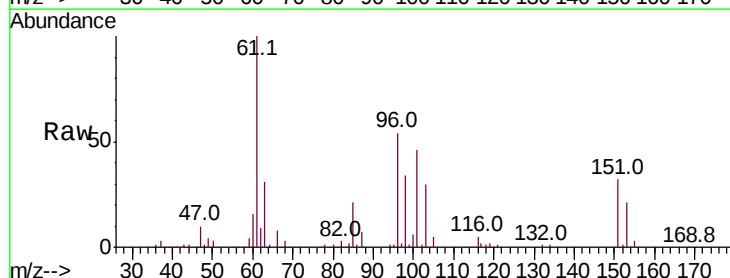
Abundance Ion 59.00 (58.70 to 59.70): VU0
 Ion 57.00 (56.70 to 57.70): VU0



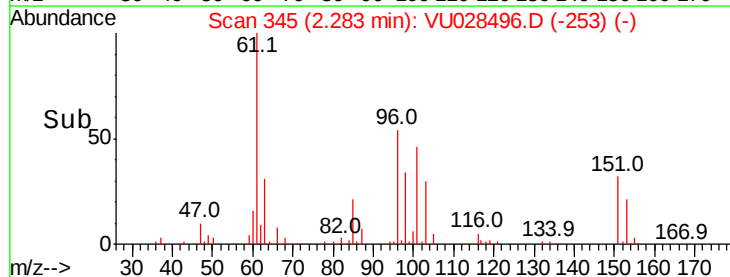
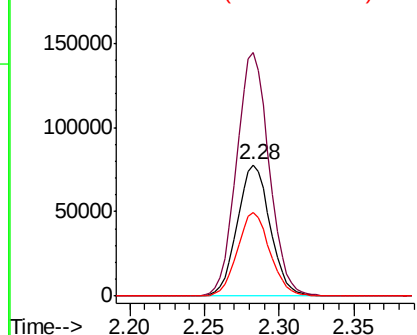
#12

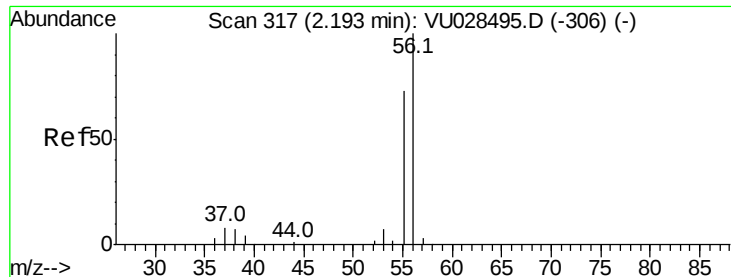
1,1-Dichloroethene
 Concen: 99.096 ug/l
 RT: 2.28 min Scan# 345
 Delta R.T. -0.00 min
 Lab File: VU028496.D
 Acq: 06 Dec 2018 12:56

Tgt Ion: 96 Resp: 119427
 Ion Ratio Lower Upper
 96 100
 61 185.7 146.4 219.6
 98 63.6 51.8 77.8



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





#13

Acrolein

Concen: 501.307 ug/l

RT: 2.19 min Scan# 317

Delta R.T. -0.00 min

Lab File: VU028496.D

Acq: 06 Dec 2018 12:56

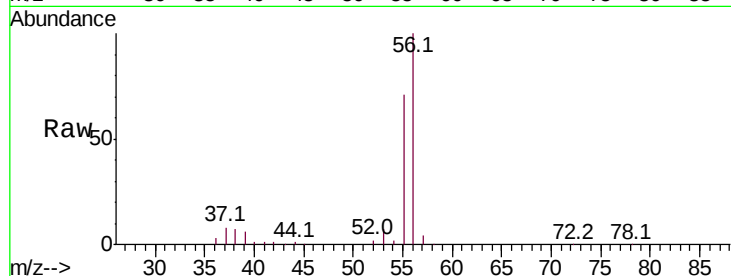
Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 56 Resp: 147079

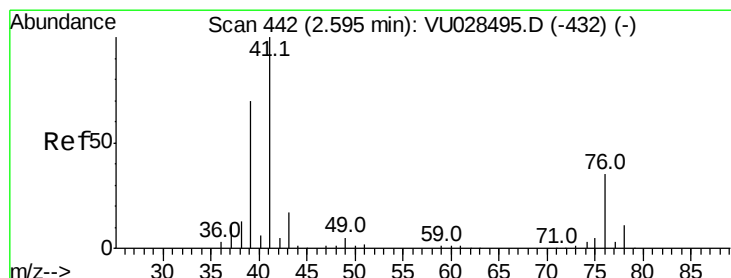
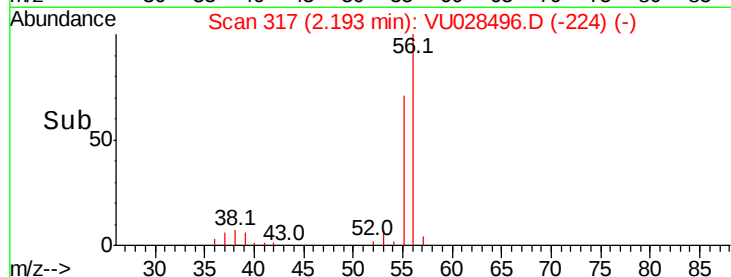
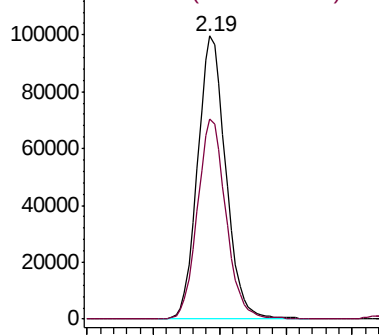
Ion Ratio Lower Upper

56 100

55 71.5 57.5 86.3



Abundance Ion 56.00 (55.70 to 56.70): VU0
Ion 55.00 (54.70 to 55.70): VU0



#14

Allyl chloride

Concen: 94.816 ug/l

RT: 2.59 min Scan# 441

Delta R.T. -0.00 min

Lab File: VU028496.D

Acq: 06 Dec 2018 12:56

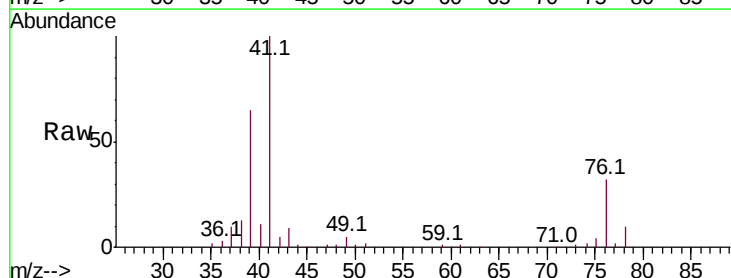
Tgt Ion: 41 Resp: 270323

Ion Ratio Lower Upper

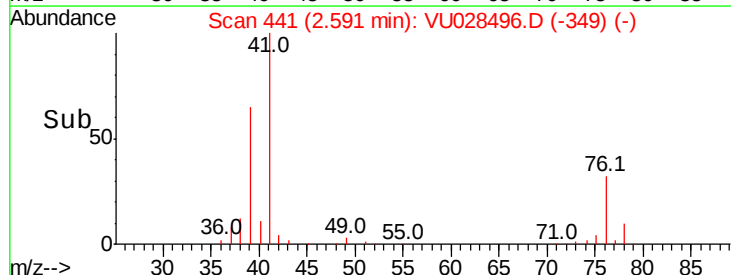
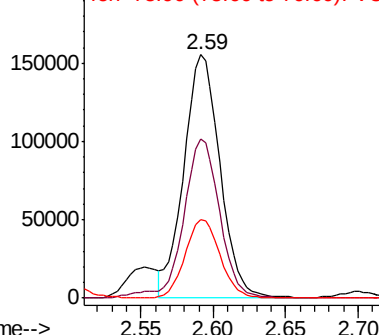
41 100

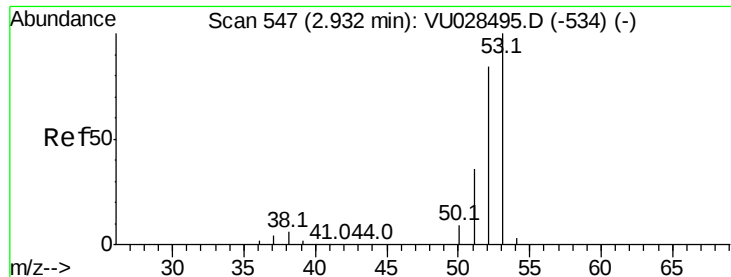
39 65.3 50.8 76.2

76 31.5 24.8 37.2



Abundance Ion 41.00 (40.70 to 41.70): VU0
Ion 39.00 (38.70 to 39.70): VU0
Ion 75.90 (75.60 to 76.60): VU0





#15

Acrylonitrile

Concen: 499.736 ug/l

RT: 2.94 min Scan# 548

Delta R.T. 0.00 min

Lab File: VU028496.D

Acq: 06 Dec 2018 12:56

Instrument :
MSVOA_U
ClientSampleId :

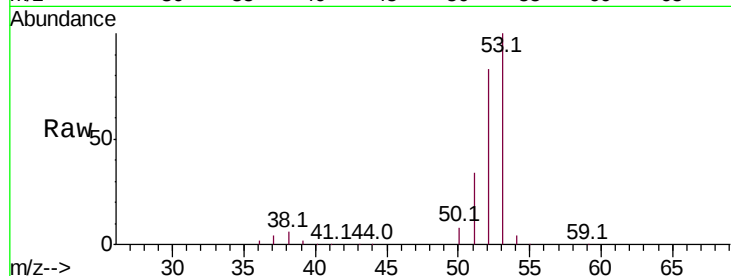
Tot Ion: 53 Resp: 510615

Ion Ratio Lower Upper

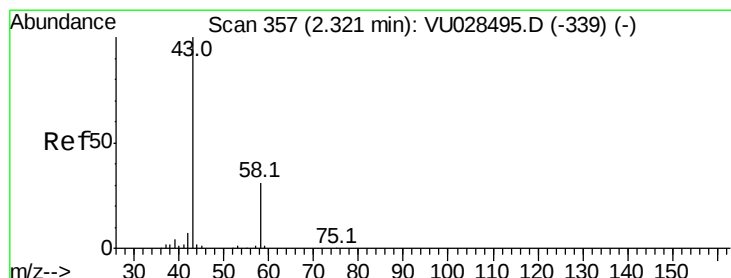
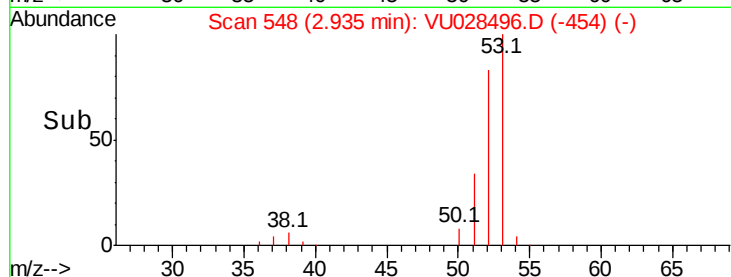
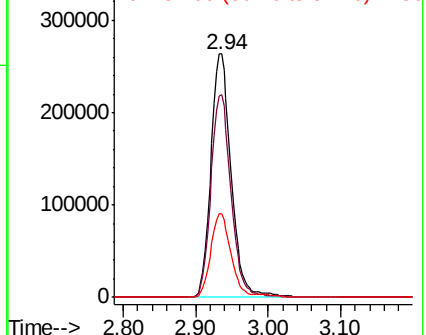
53 100

52 82.5 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: 443.037 ug/l

RT: 2.32 min Scan# 357

Delta R.T. -0.00 min

Lab File: VU028496.D

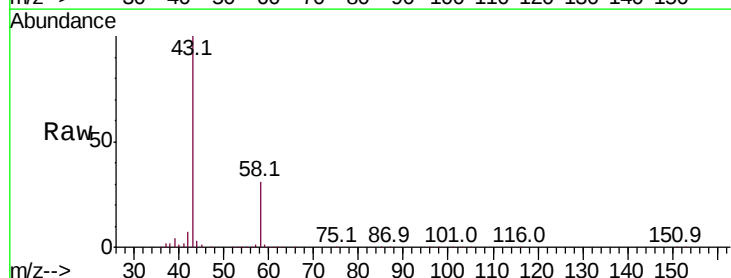
Acq: 06 Dec 2018 12:56

Tgt Ion: 43 Resp: 477560

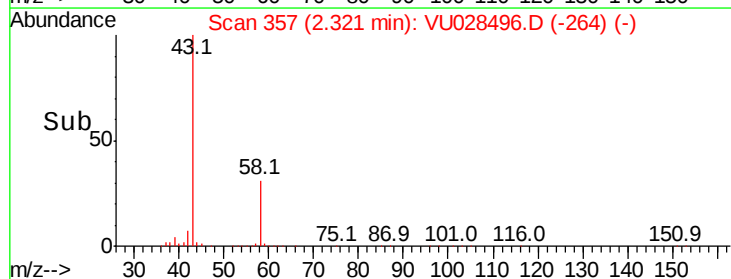
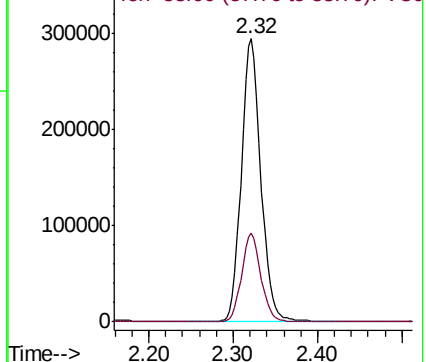
Ion Ratio Lower Upper

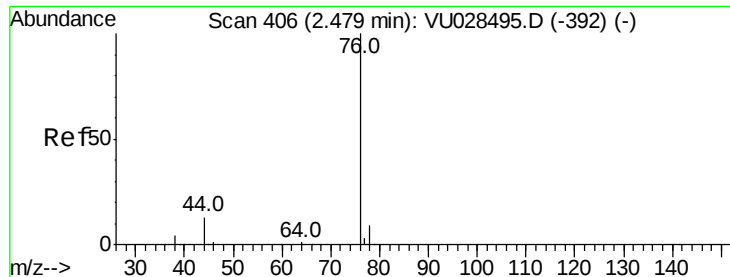
43 100

58 31.2 24.6 37.0



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

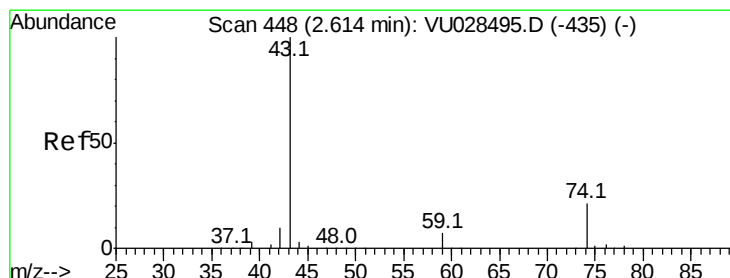
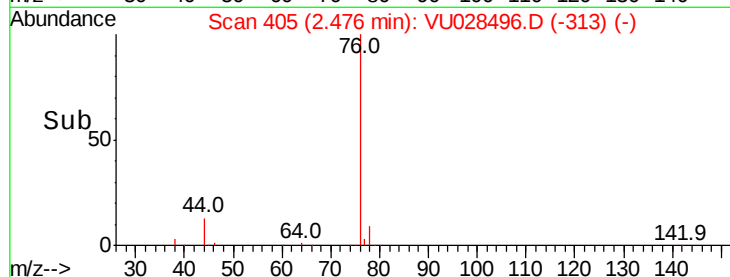
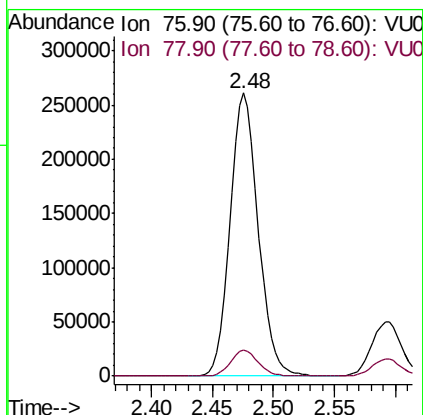
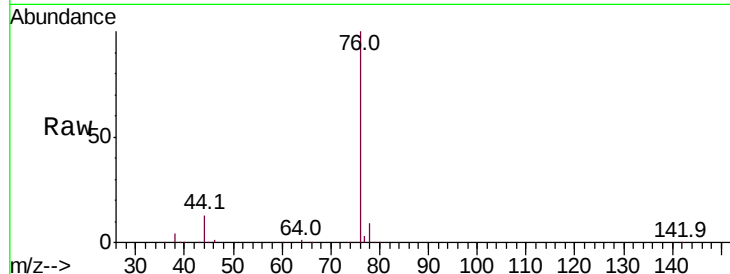




#17
Carbon Disulfide
Concen: 96.730 ug/l
RT: 2.48 min Scan# 405
Delta R.T. -0.00 min
Lab File: VU028496.D
Acq: 06 Dec 2018 12:56

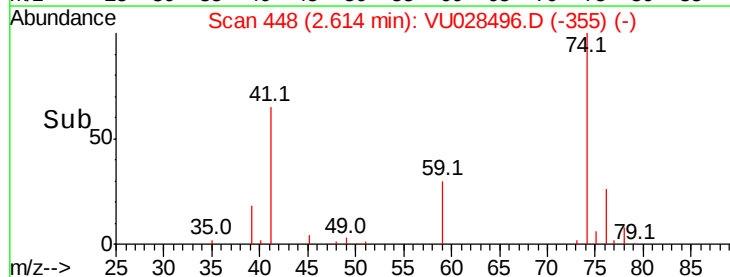
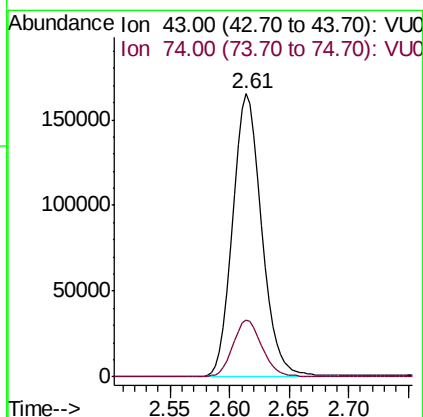
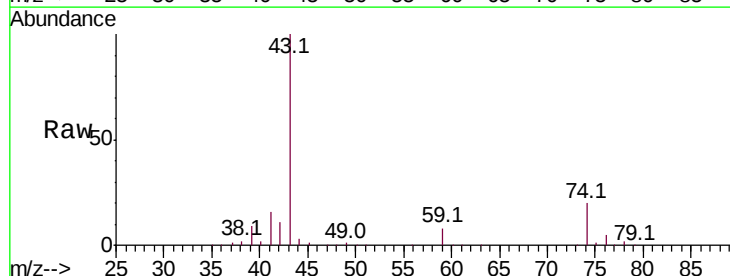
Instrument :
MSVOA_U
ClientSampleId :

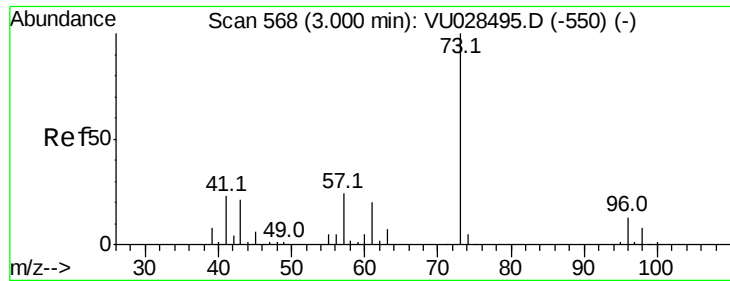
Tot Ion: 76 Resp: 419968
Ion Ratio Lower Upper
76 100
78 9.1 7.2 10.8



#18
Methyl Acetate
Concen: 100.285 ug/l
RT: 2.61 min Scan# 448
Delta R.T. -0.00 min
Lab File: VU028496.D
Acq: 06 Dec 2018 12:56

Tgt Ion: 43 Resp: 280222
Ion Ratio Lower Upper
43 100
74 20.3 16.4 24.6

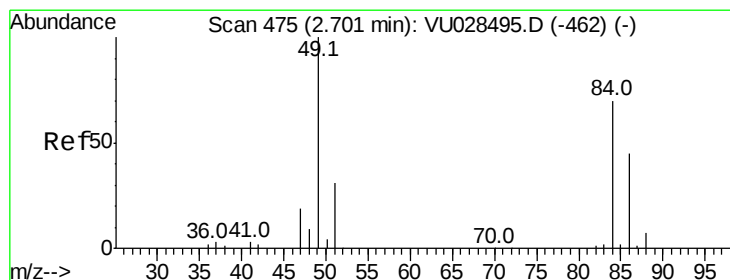
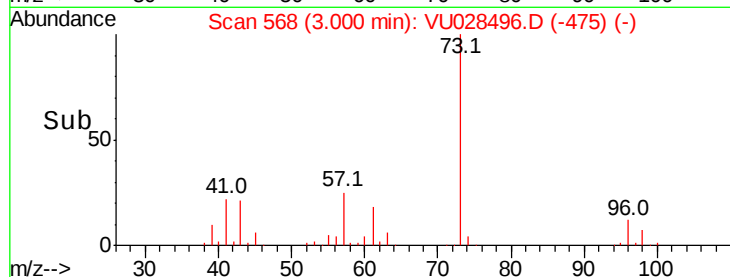
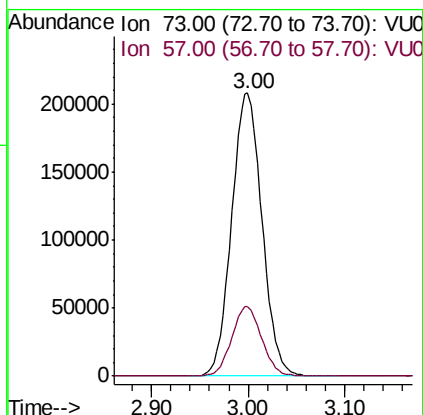
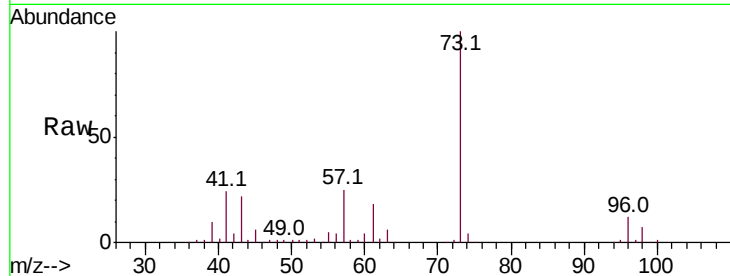




#19
Methvl tert-butvl Ether
Concen: 99.070 ug/l
RT: 3.00 min Scan# 568
Delta R.T. -0.00 min
Lab File: VU028496.D
Acq: 06 Dec 2018 12:56

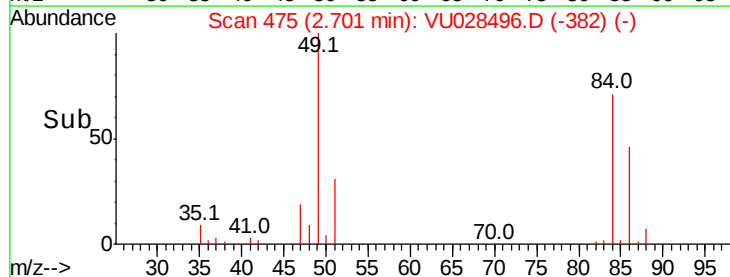
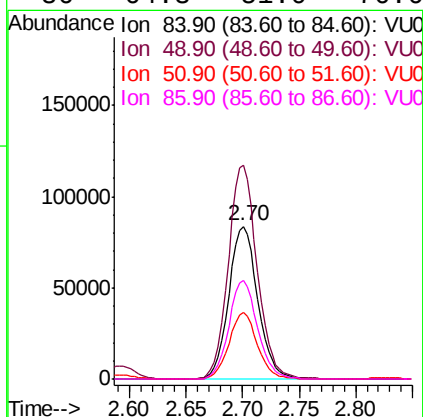
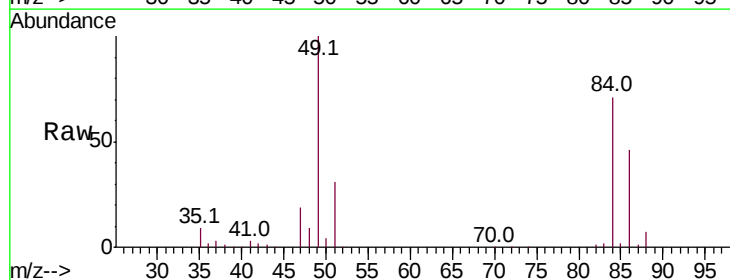
Instrument :
MSVOA_U
ClientSampled :

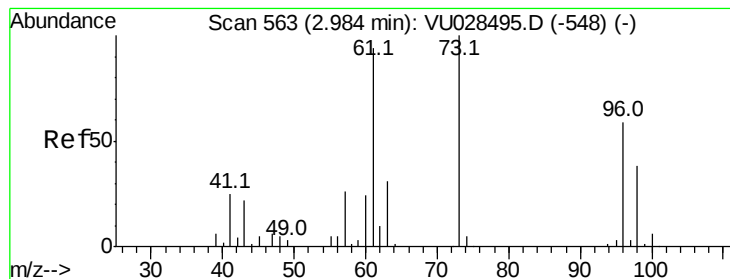
Tot Ion: 73 Resp: 452618
Ion Ratio Lower Upper
73 100
57 24.6 19.4 29.2



#20
Methylene Chloride
Concen: 94.047 ug/l
RT: 2.70 min Scan# 475
Delta R.T. -0.00 min
Lab File: VU028496.D
Acq: 06 Dec 2018 12:56

Tgt Ion: 84 Resp: 149443
Ion Ratio Lower Upper
84 100
49 140.0 114.0 171.0
51 43.3 35.1 52.7
86 64.3 51.0 76.6





#21

trans-1,2-Dichloroethene

Concen: 98.569 ug/l

RT: 2.98 min Scan# 562

Delta R.T. -0.00 min

Lab File: VU028496.D

Acq: 06 Dec 2018 12:56

Instrument :
MSVOA_U
ClientSampleId :

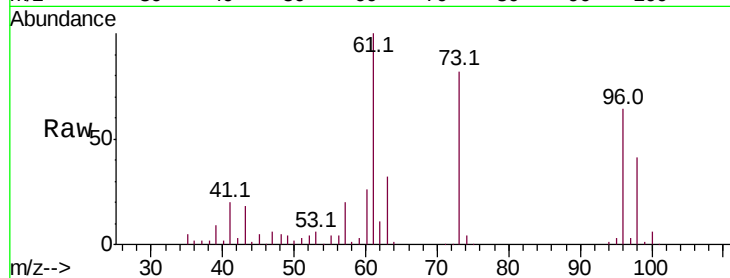
Tot Ion: 96 Resp: 133750

Ion Ratio Lower Upper

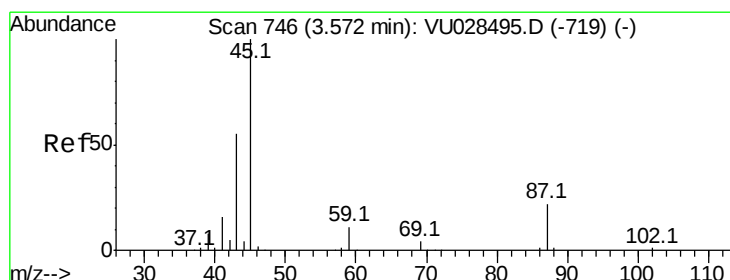
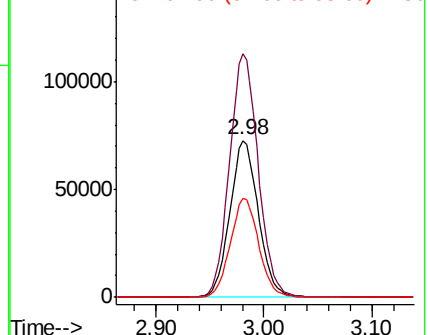
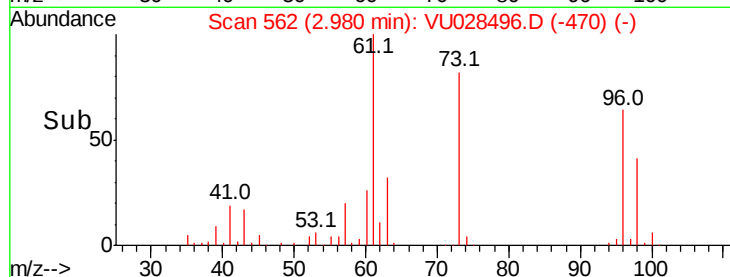
96 100

61 155.2 127.0 190.4

98 62.9 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: 100.087 ug/l

RT: 3.57 min Scan# 746

Delta R.T. -0.00 min

Lab File: VU028496.D

Acq: 06 Dec 2018 12:56

Tgt Ion: 45 Resp: 554911

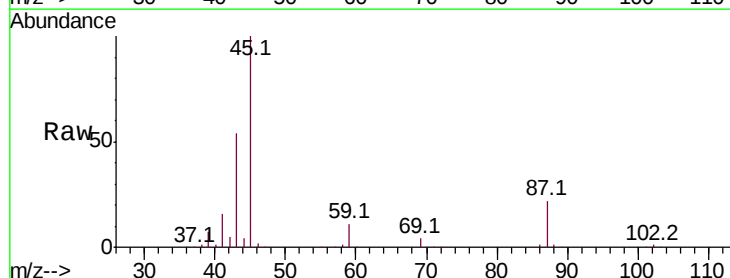
Ion Ratio Lower Upper

45 100

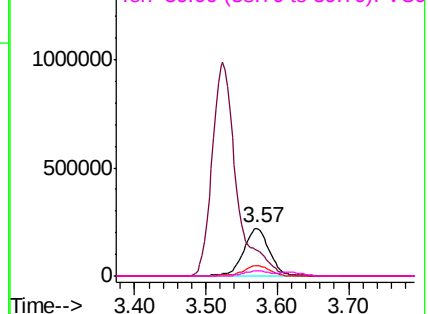
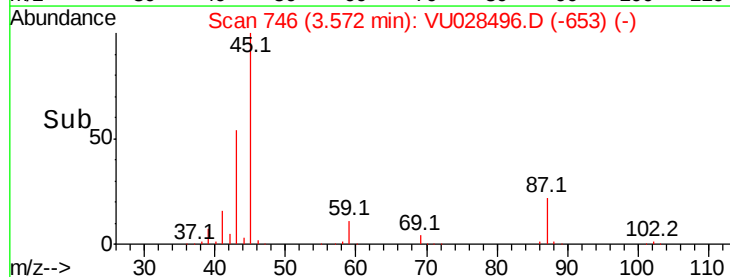
43 53.3 45.3 67.9

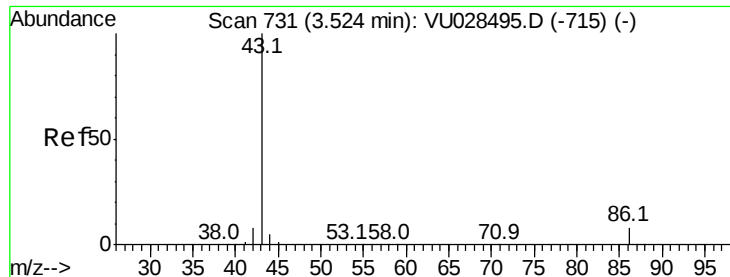
87 21.8 17.6 26.4

59 11.0 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: 512.973 ug/l

RT: 3.52 min Scan# 731

Delta R.T. -0.00 min

Lab File: VU028496.D

Acq: 06 Dec 2018 12:56

Instrument :

MSVOA_U

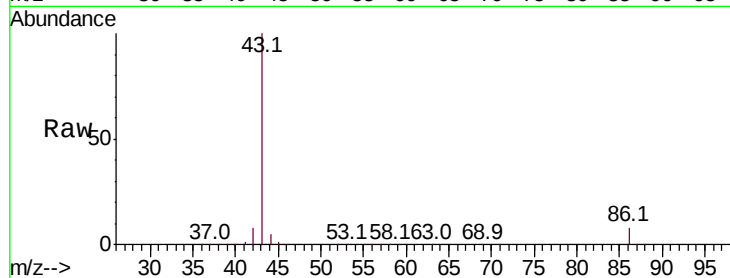
ClientSampleId :

Tot Ion: 43 Resp: 2345915

Ion Ratio Lower Upper

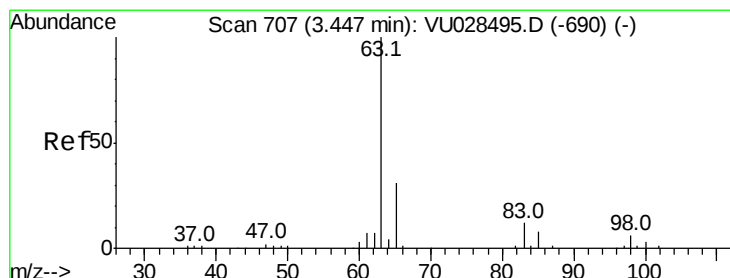
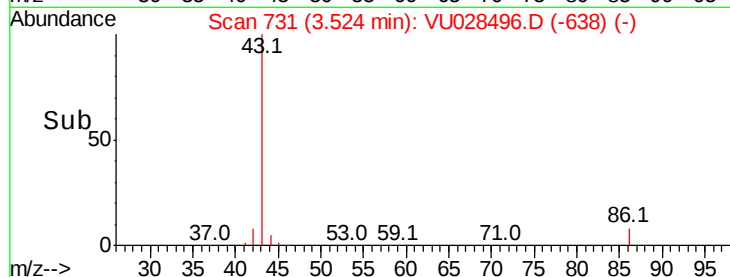
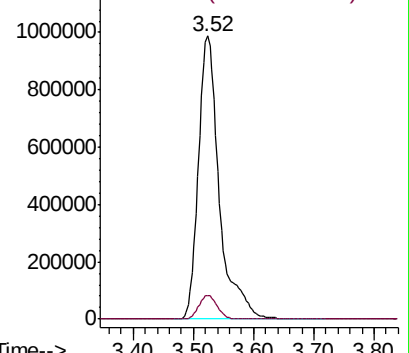
43 100

86 8.4 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: 97.368 ug/l

RT: 3.45 min Scan# 707

Delta R.T. -0.00 min

Lab File: VU028496.D

Acq: 06 Dec 2018 12:56

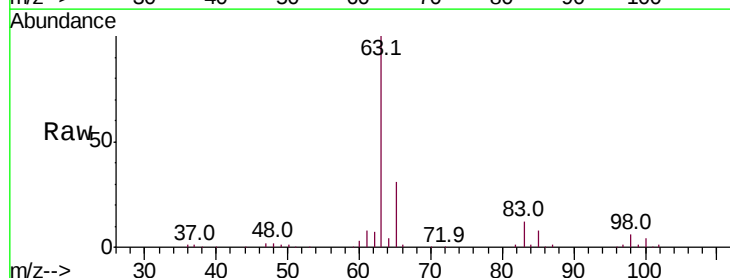
Tgt Ion: 63 Resp: 282584

Ion Ratio Lower Upper

63 100

98 5.9 3.0 9.2

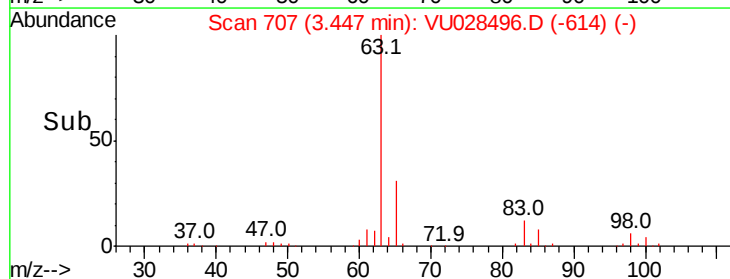
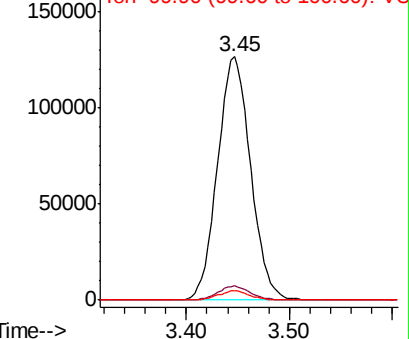
100 3.8 1.7 5.1

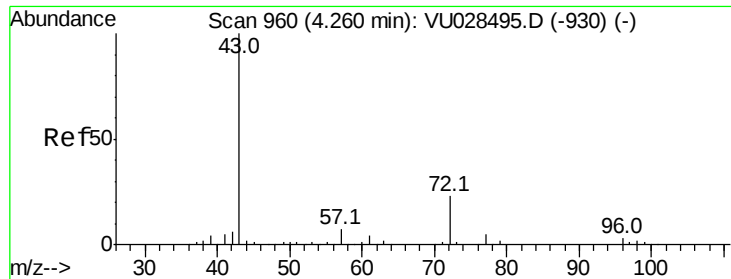


Abundance Ion 62.90 (62.60 to 63.60): VU0

Ion 97.90 (97.60 to 98.60): VU0

Ion 99.90 (99.60 to 100.60): VU0





#25

2-Butanone

Concen: 494.923 ug/l

RT: 4.26 min Scan# 960

Delta R.T. -0.00 min

Lab File: VU028496.D

Acq: 06 Dec 2018 12:56

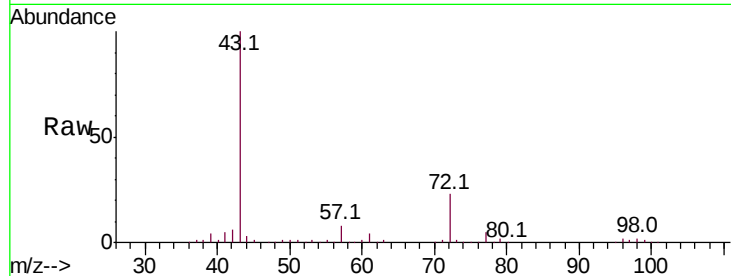
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 43 Resp: 729066

Ion Ratio Lower Upper

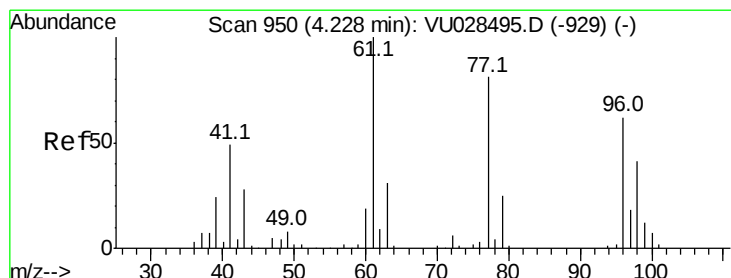
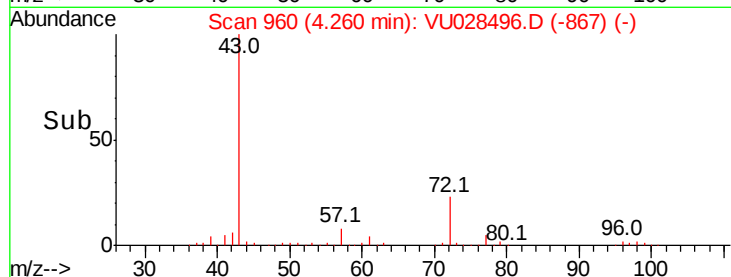
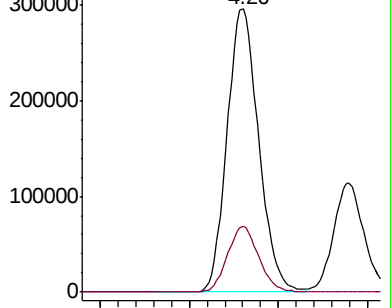
43 100

72 23.1 18.6 28.0



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 72.00 (71.70 to 72.70): VU0



#26

2,2-Dichloropropane

Concen: 97.822 ug/l

RT: 4.23 min Scan# 950

Delta R.T. -0.00 min

Lab File: VU028496.D

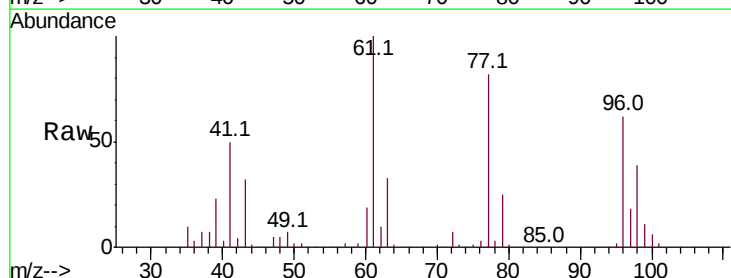
Acq: 06 Dec 2018 12:56

Tgt Ion: 77 Resp: 224950

Ion Ratio Lower Upper

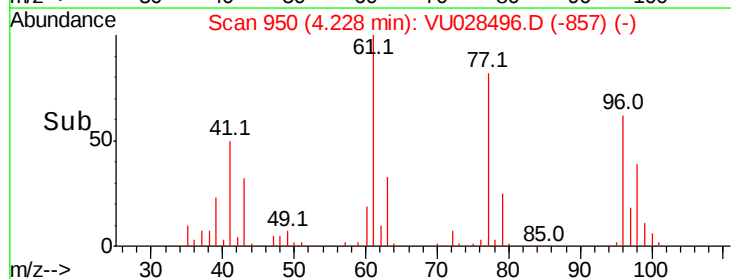
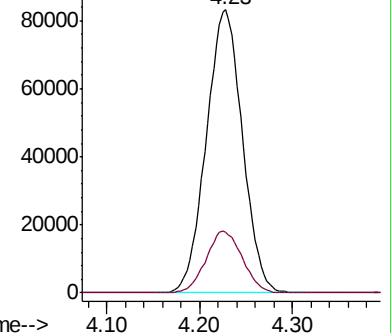
77 100

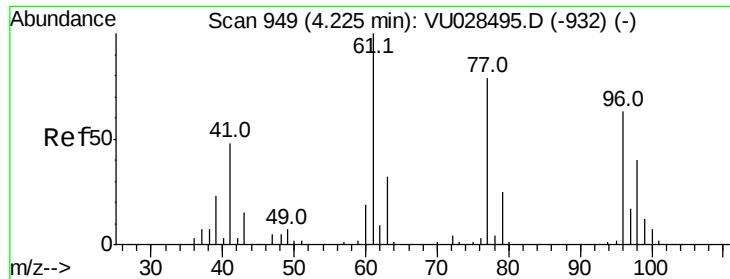
97 22.0 11.0 33.0



Abundance Ion 76.90 (76.60 to 77.60): VU0

Ion 96.90 (96.60 to 97.60): VU0

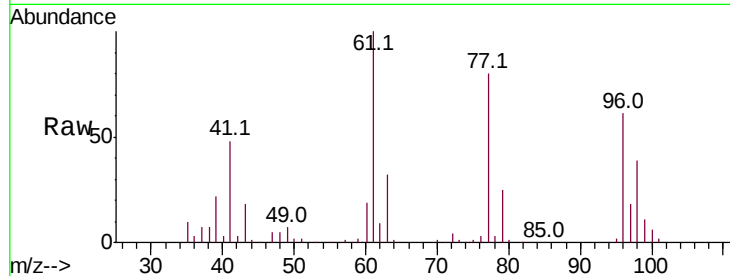




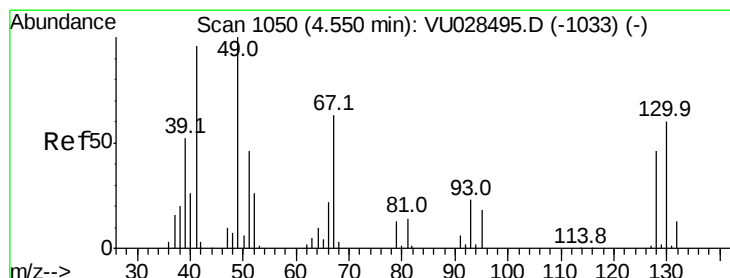
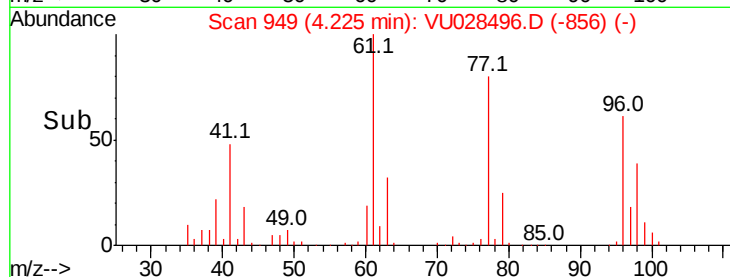
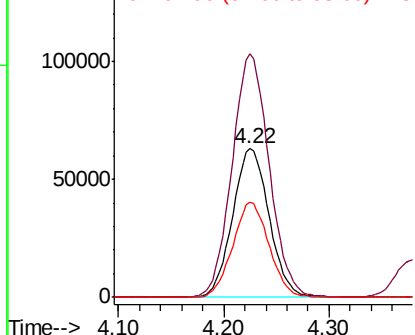
#27
 cis-1,2-Dichloroethene
 Concen: 98.782 ug/l
 RT: 4.22 min Scan# 949
 Delta R.T. -0.00 min
 Lab File: VU028496.D
 Acq: 06 Dec 2018 12:56

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion: 96 Resp: 151712
 Ion Ratio Lower Upper
 96 100
 61 166.3 0.0 332.4
 98 63.8 0.0 129.0

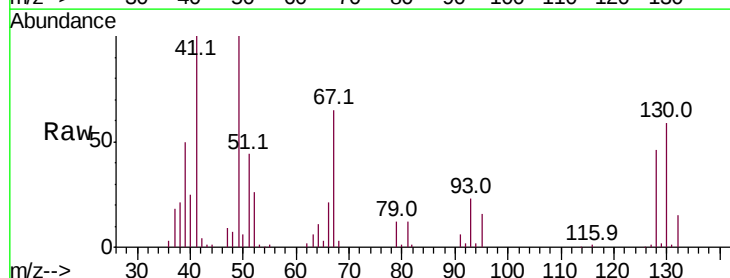


Abundance Ion 95.90 (95.60 to 96.60): VU0
 Ion 60.90 (60.60 to 61.60): VU0
 Ion 97.90 (97.60 to 98.60): VU0

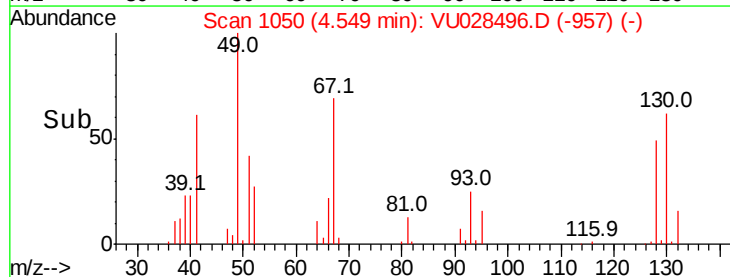
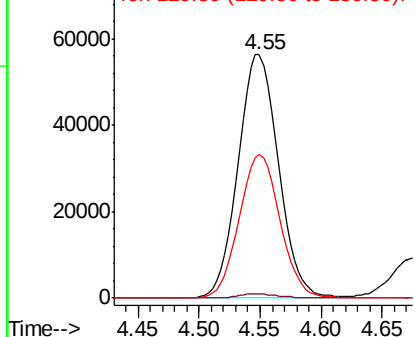


#28
 Bromochloromethane
 Concen: 97.892 ug/l
 RT: 4.55 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VU028496.D
 Acq: 06 Dec 2018 12:56

Tgt Ion: 49 Resp: 129153
 Ion Ratio Lower Upper
 49 100
 129 1.7 0.0 3.0
 130 59.6 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: 503.270 ug/l

RT: 4.64 min Scan# 1077

Delta R.T. -0.00 min

Lab File: VU028496.D

Acq: 06 Dec 2018 12:56

Instrument :

MSVOA_U

ClientSampleId :

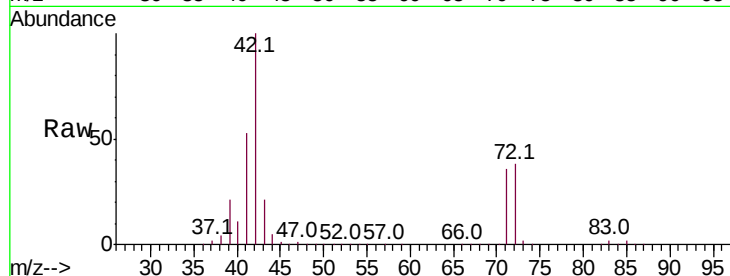
Tot Ion: 42 Resp: 476132

Ion Ratio Lower Upper

42 100

72 38.6 31.4 47.0

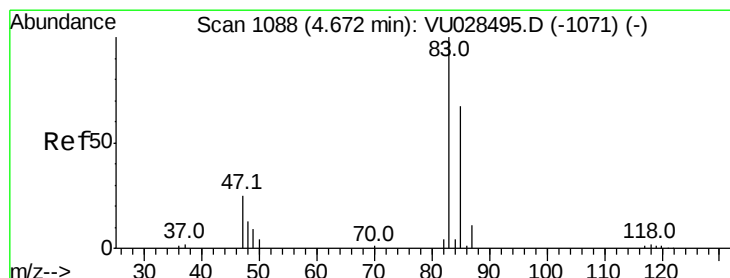
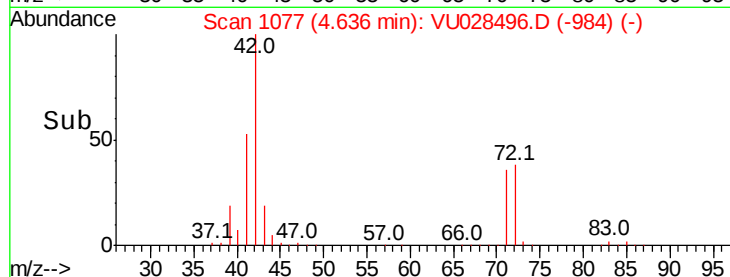
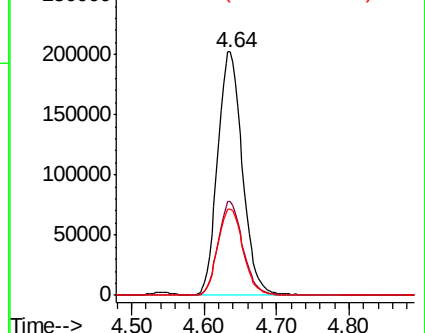
71 36.5 28.6 43.0



Abundance Ion 42.00 (41.70 to 42.70): VU0

Ion 72.00 (71.70 to 72.70): VU0

Ion 71.00 (70.70 to 71.70): VU0



#30

Chloroform

Concen: 99.430 ug/l

RT: 4.67 min Scan# 1089

Delta R.T. 0.00 min

Lab File: VU028496.D

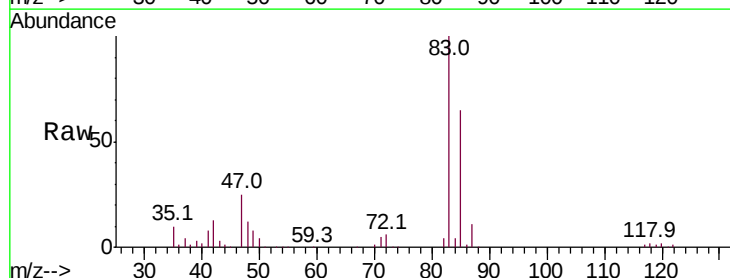
Acq: 06 Dec 2018 12:56

Tgt Ion: 83 Resp: 251504

Ion Ratio Lower Upper

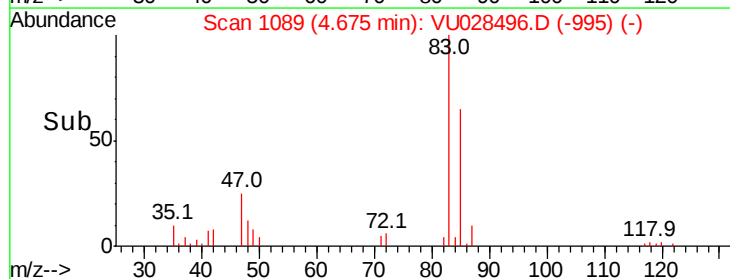
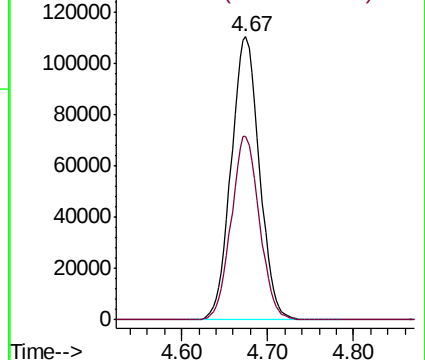
83 100

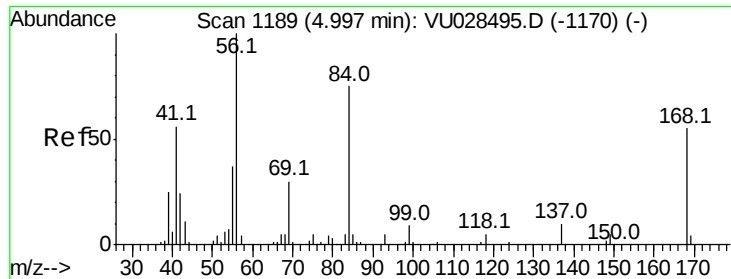
85 64.9 53.6 80.4



Abundance Ion 82.90 (82.60 to 83.60): VU0

Ion 84.90 (84.60 to 85.60): VU0

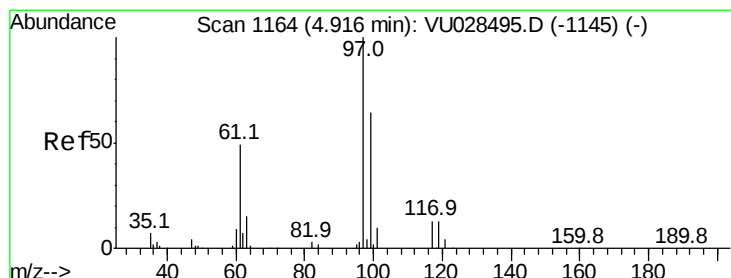
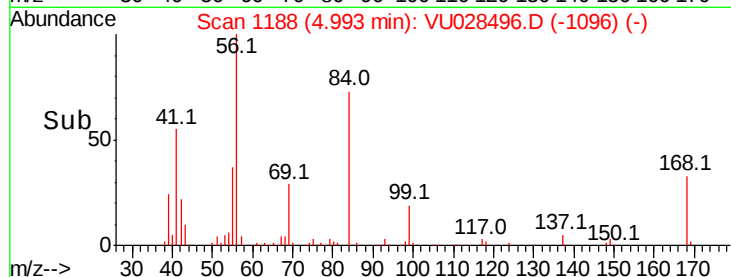
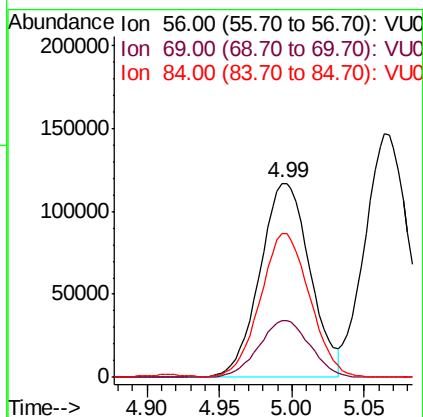
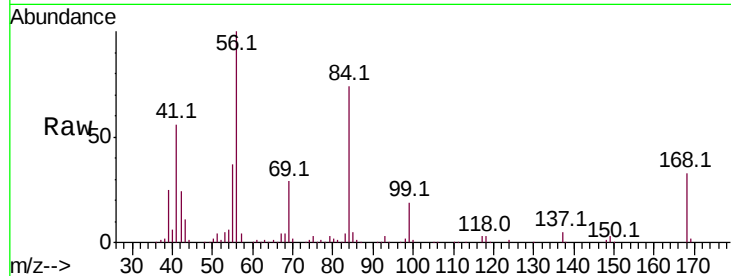




#31
Cyclohexane
Concen: 82.523 ug/l
RT: 4.99 min Scan# 1188
Delta R.T. -0.00 min
Lab File: VU028496.D
Acq: 06 Dec 2018 12:56

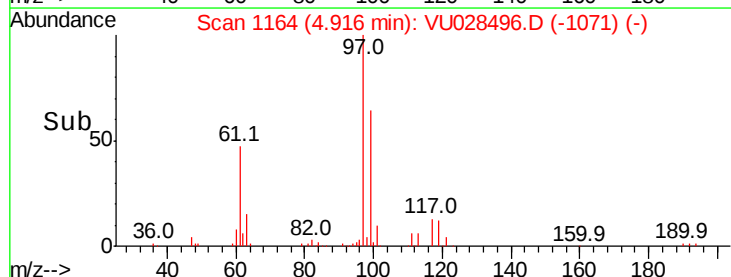
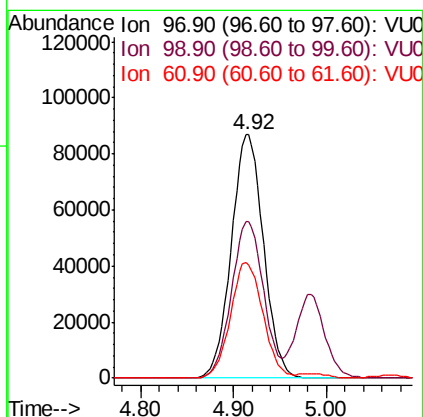
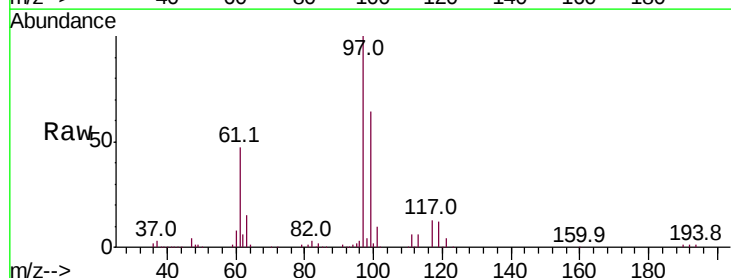
Instrument :
MSVOA_U
ClientSampled :

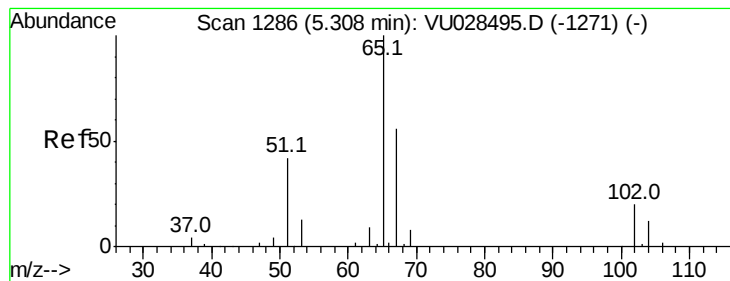
Tot Ion: 56 Resp: 280948
Ion Ratio Lower Upper
56 100
69 29.3 24.0 36.0
84 73.2 59.7 89.5



#32
1,1,1-Trichloroethane
Concen: 99.395 ug/l
RT: 4.92 min Scan# 1164
Delta R.T. -0.00 min
Lab File: VU028496.D
Acq: 06 Dec 2018 12:56

Tgt Ion: 97 Resp: 208808
Ion Ratio Lower Upper
97 100
99 64.1 52.3 78.5
61 48.2 39.0 58.6





#33

1,2-Dichloroethane-d4

Concen: 102.151 ug/l

RT: 5.31 min Scan# 1286

Delta R.T. -0.00 min

Lab File: VU028496.D

Acq: 06 Dec 2018 12:56

Instrument :

MSVOA_U

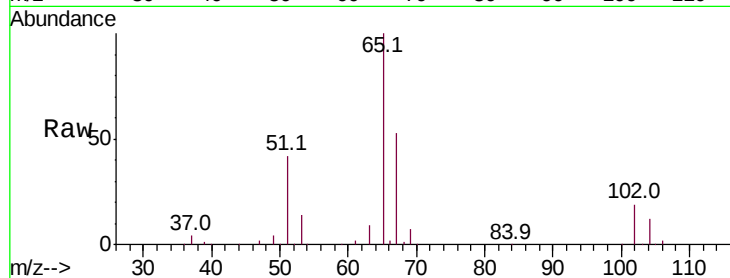
ClientSampleId :

Tot Ion: 65 Resp: 168740

Ion Ratio Lower Upper

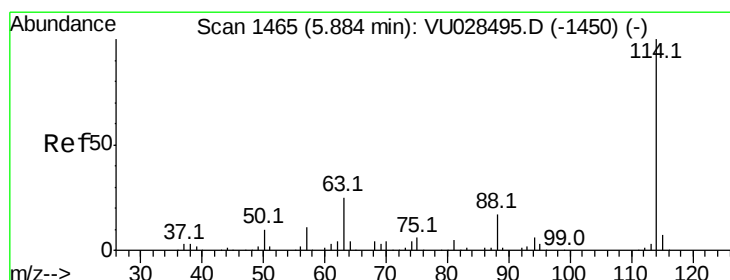
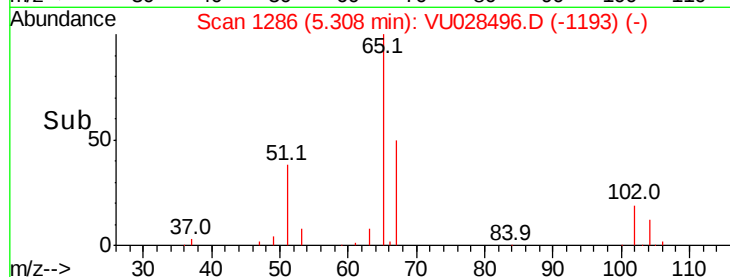
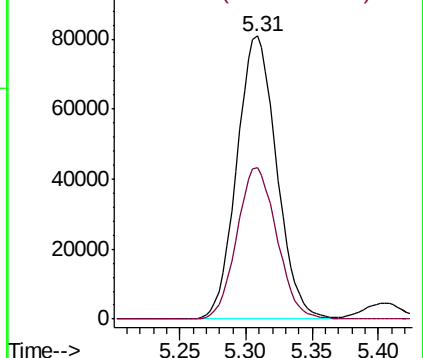
65 100

67 53.8 0.0 110.6



Abundance Ion 64.90 (64.60 to 65.60): VU0

Ion 66.90 (66.60 to 67.60): VU0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.88 min Scan# 1465

Delta R.T. -0.00 min

Lab File: VU028496.D

Acq: 06 Dec 2018 12:56

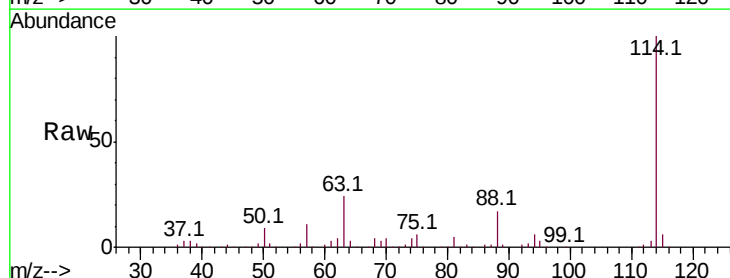
Tgt Ion: 114 Resp: 191022

Ion Ratio Lower Upper

114 100

63 24.3 0.0 49.2

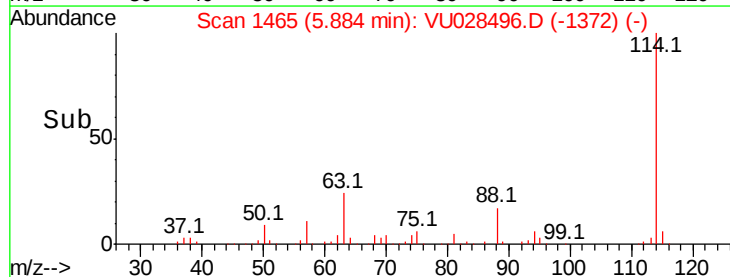
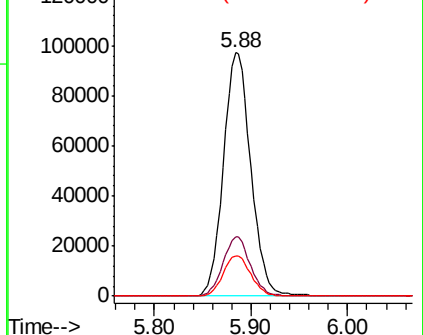
88 16.6 0.0 33.4

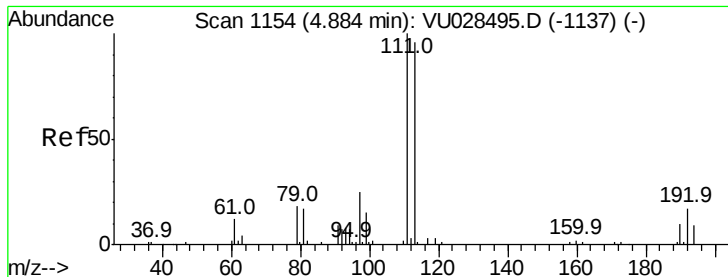


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VU0

Ion 87.90 (87.60 to 88.60): VU0





#35

Dibromofluoromethane

Concen: 103.295 ug/l

RT: 4.88 min Scan# 1153

Delta R.T. -0.00 min

Lab File: VU028496.D

Acq: 06 Dec 2018 12:56

Instrument :
MSVOA_U
ClientSampleId :

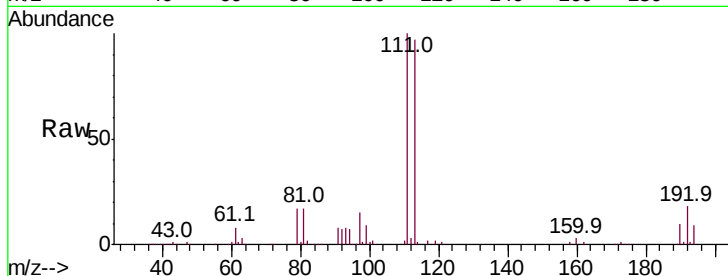
Tot Ion:113 Resp: 124172

Ion Ratio Lower Upper

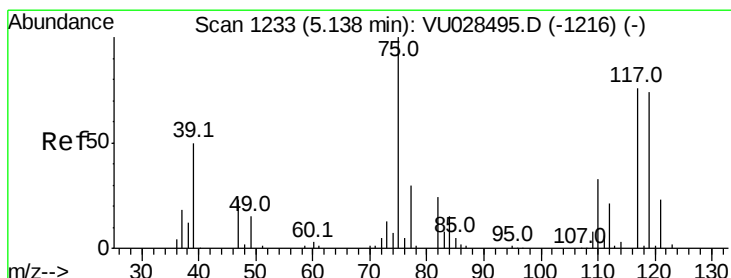
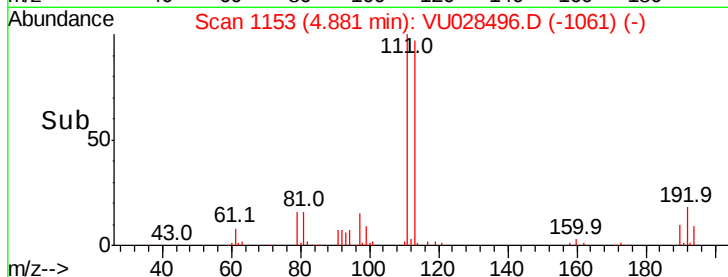
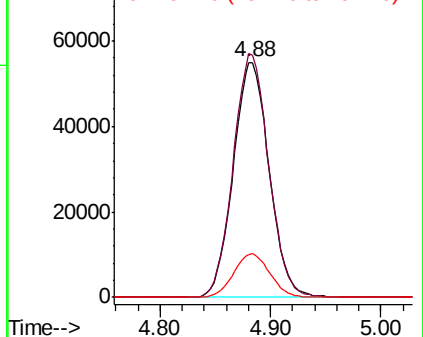
113 100

111 102.4 83.4 125.0

192 18.7 14.8 22.2



Abundance Ion 112.80 (112.50 to 113.50): V
Ion 110.80 (110.50 to 111.50): V
Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 97.015 ug/l

RT: 5.13 min Scan# 1232

Delta R.T. -0.00 min

Lab File: VU028496.D

Acq: 06 Dec 2018 12:56

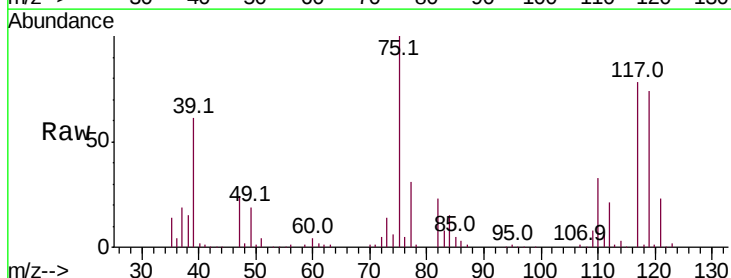
Tgt Ion: 75 Resp: 202792

Ion Ratio Lower Upper

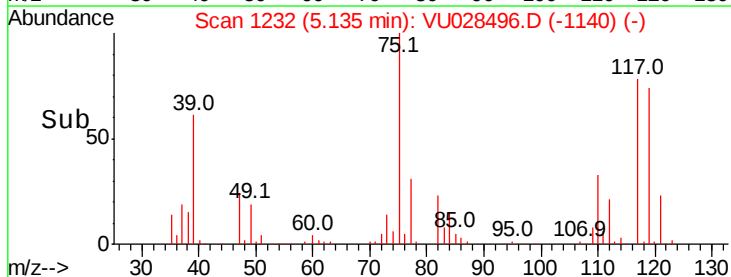
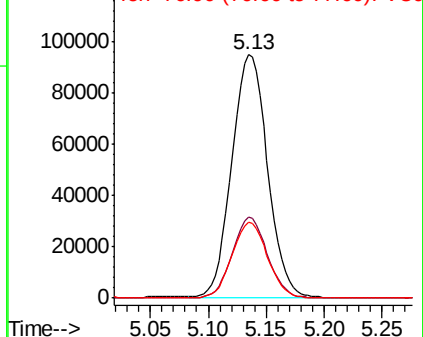
75 100

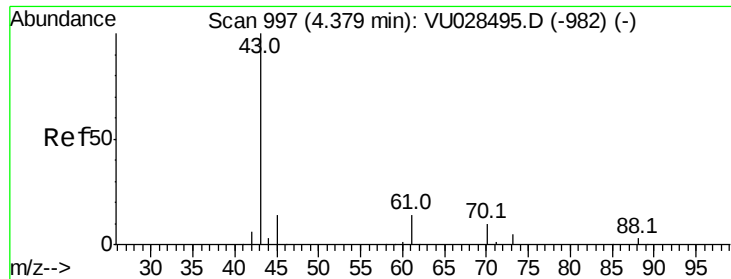
110 32.9 16.1 48.2

77 31.1 24.5 36.7



Abundance Ion 74.90 (74.60 to 75.60): VU0
Ion 109.90 (109.60 to 110.60): V
Ion 76.90 (76.60 to 77.60): VU0





#37

Ethyl Acetate

Concen: 100.606 ug/l

RT: 4.38 min Scan# 997

Delta R.T. -0.00 min

Lab File: VU028496.D

Acq: 06 Dec 2018 12:56

Instrument :
MSVOA_U
ClientSampleId :

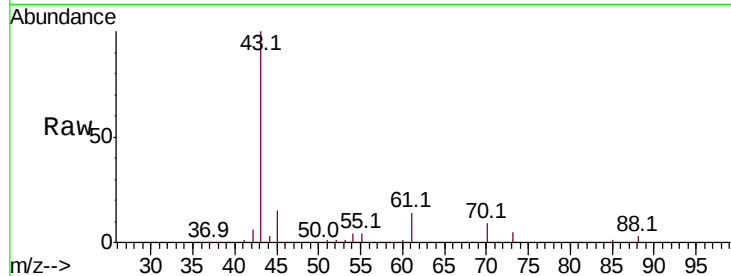
Tot Ion: 43 Resp: 271854

Ion Ratio Lower Upper

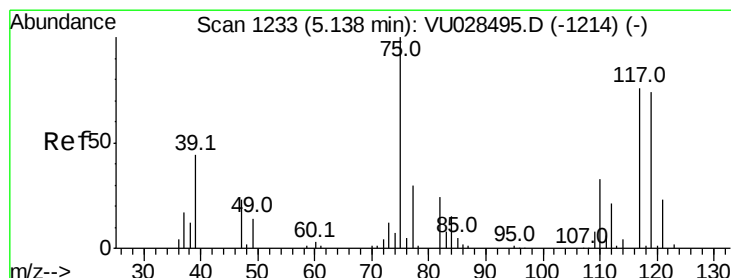
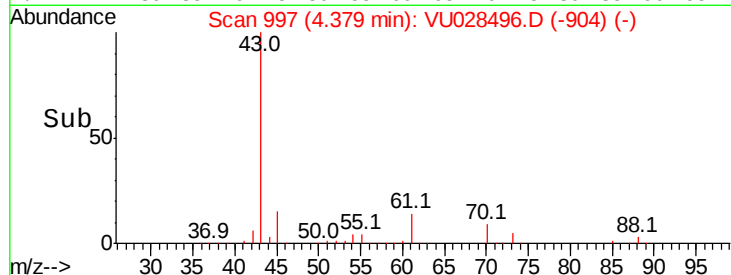
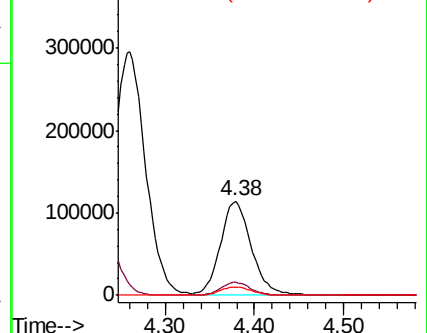
43 100

61 13.4 11.0 16.4

70 9.2 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: 98.698 ug/l

RT: 5.13 min Scan# 1232

Delta R.T. -0.00 min

Lab File: VU028496.D

Acq: 06 Dec 2018 12:56

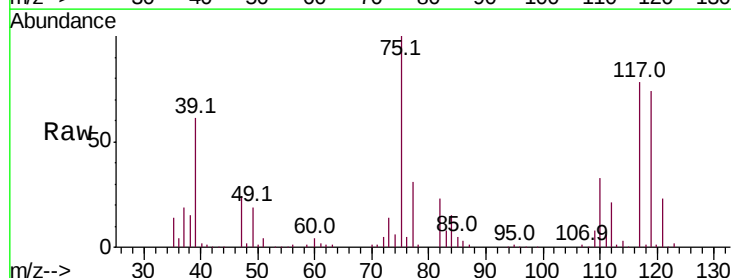
Tgt Ion: 117 Resp: 166287

Ion Ratio Lower Upper

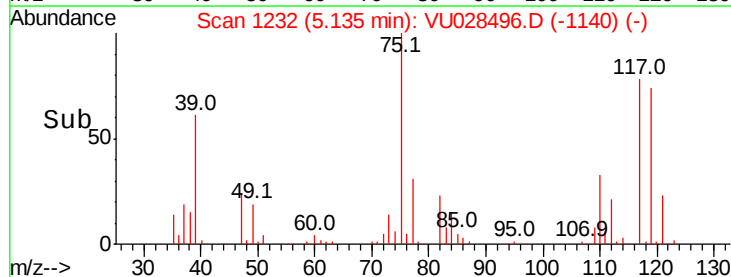
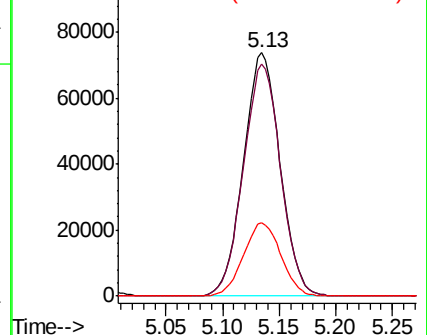
117 100

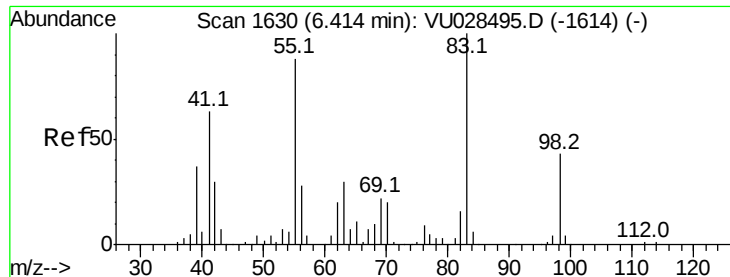
119 95.1 77.6 116.4

121 30.0 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

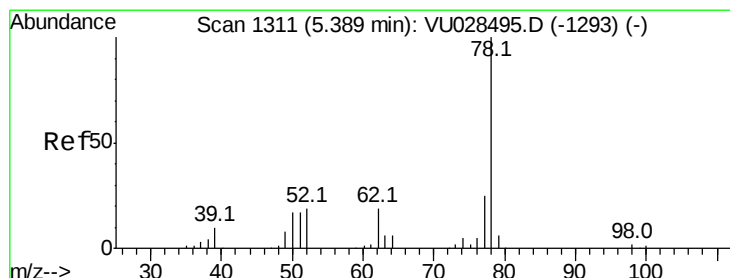
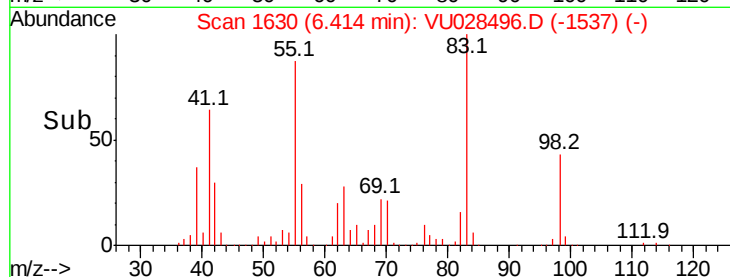
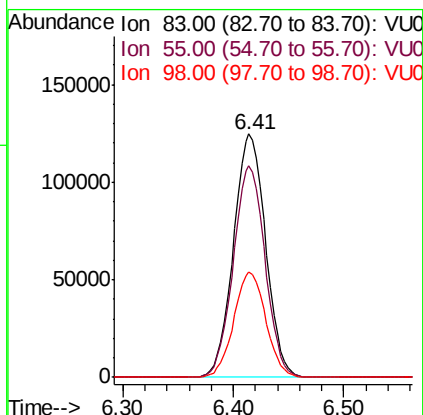
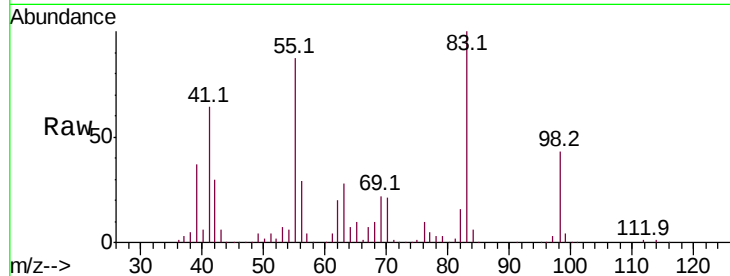




#39
Methvlcvclohexane
Concen: 98.524 ug/l
RT: 6.41 min Scan# 1630
Delta R.T. -0.00 min
Lab File: VU028496.D
Acq: 06 Dec 2018 12:56

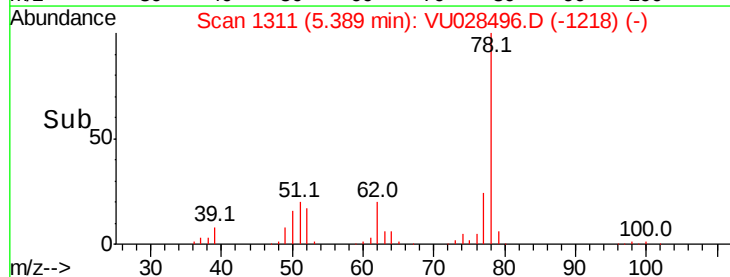
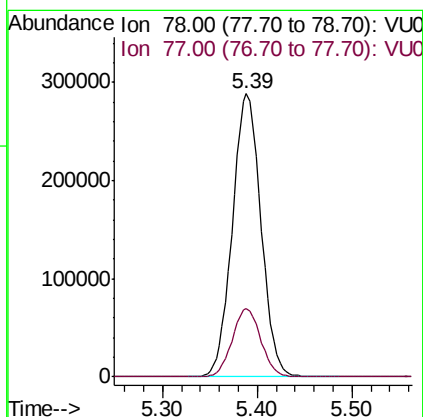
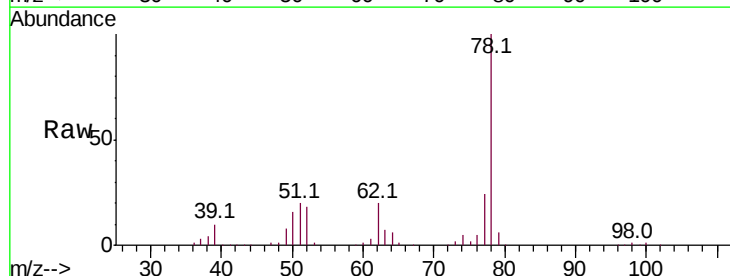
Instrument :
MSVOA_U
ClientSampleId :

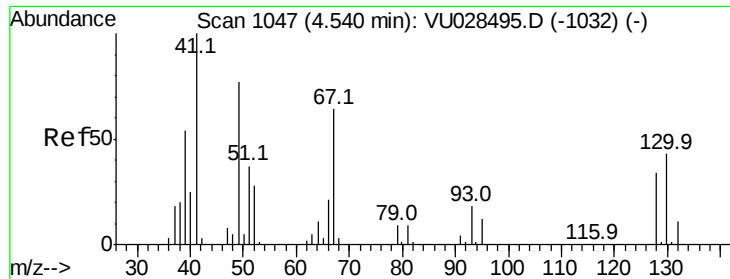
Tot Ion: 83 Resp: 251252
Ion Ratio Lower Upper
83 100
55 86.9 70.2 105.2
98 43.2 34.2 51.4



#40
Benzene
Concen: 98.339 ug/l
RT: 5.39 min Scan# 1311
Delta R.T. -0.00 min
Lab File: VU028496.D
Acq: 06 Dec 2018 12:56

Tgt Ion: 78 Resp: 605423
Ion Ratio Lower Upper
78 100
77 24.2 19.9 29.9

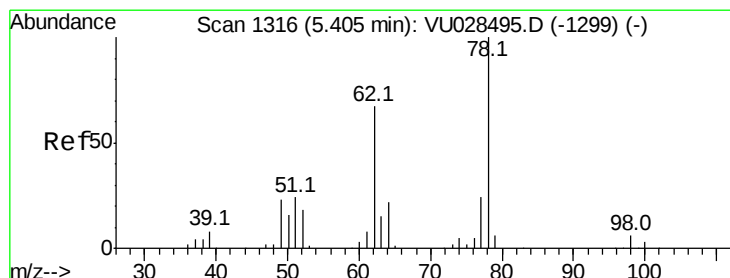
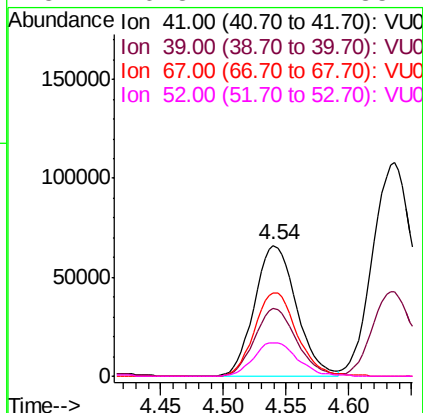
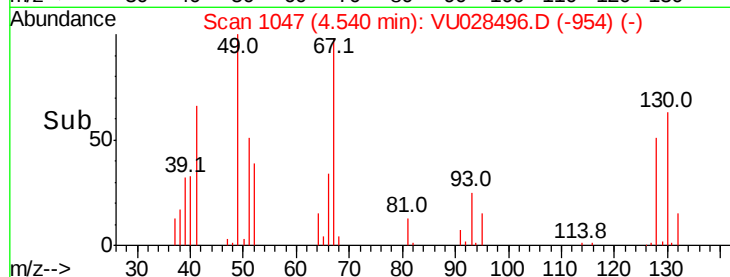
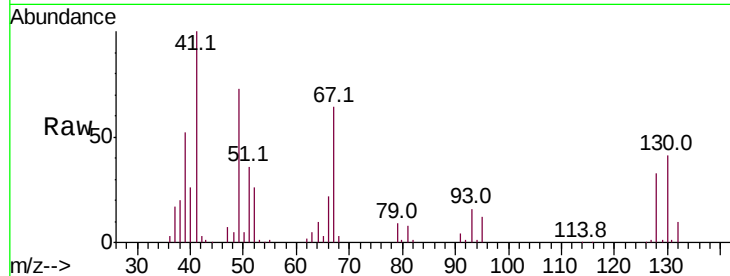




#41
Methacrylonitrile
Concen: 104.298 ug/l
RT: 4.54 min Scan# 1047
Delta R.T. -0.00 min
Lab File: VU028496.D
Acq: 06 Dec 2018 12:56

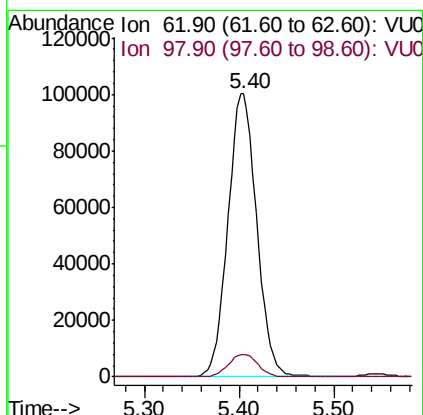
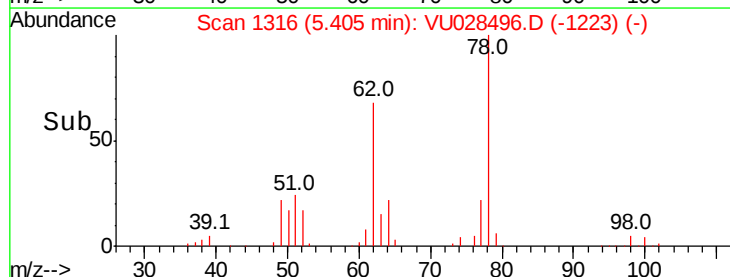
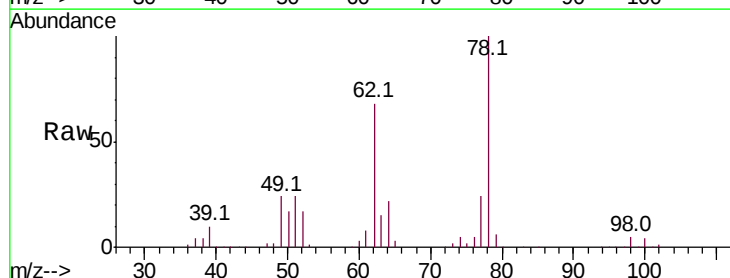
Instrument :
MSVOA_U
ClientSampled :

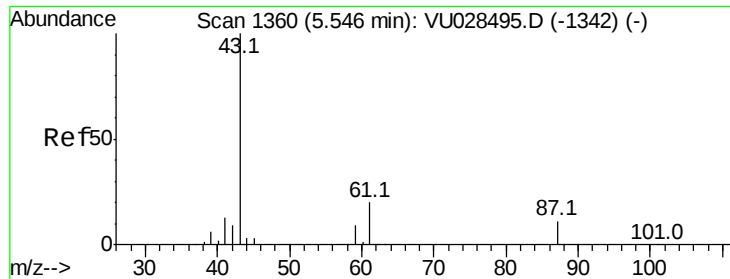
Tot Ion: 41 Resp: 154344
Ion Ratio Lower Upper
41 100
39 51.8 43.3 64.9
67 64.6 53.6 80.4
52 26.8 22.1 33.1



#42
1,2-Dichloroethane
Concen: 98.202 ug/l
RT: 5.40 min Scan# 1316
Delta R.T. -0.00 min
Lab File: VU028496.D
Acq: 06 Dec 2018 12:56

Tgt Ion: 62 Resp: 211625
Ion Ratio Lower Upper
62 100
98 8.1 0.0 17.2





#43

Isopropyl Acetate

Concen: 101.203 ug/l

RT: 5.55 min Scan# 1360

Delta R.T. -0.00 min

Lab File: VU028496.D

Acq: 06 Dec 2018 12:56

Instrument :

MSVOA_U

ClientSampleId :

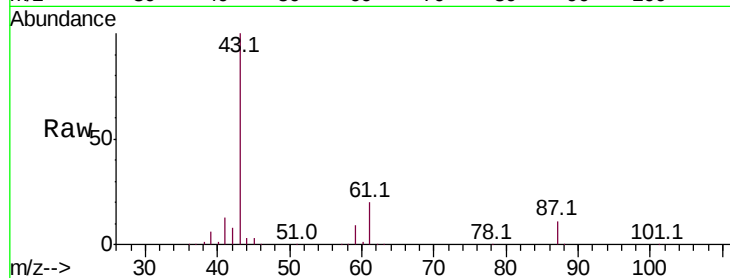
Tot Ion: 43 Resp: 432544

Ion Ratio Lower Upper

43 100

61 19.7 15.5 23.3

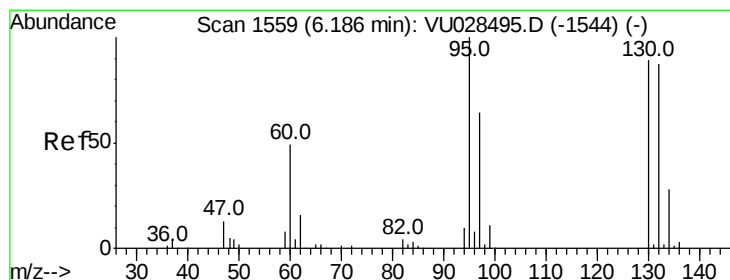
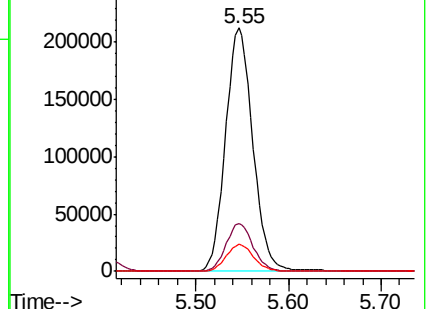
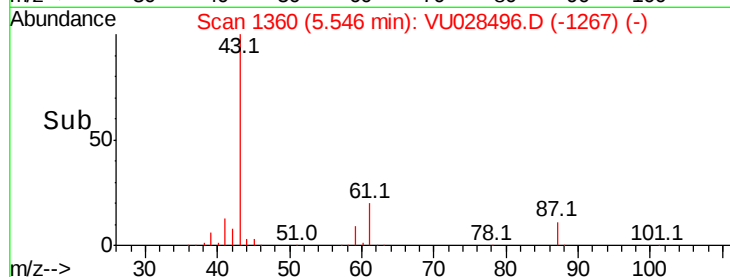
87 11.1 8.7 13.1



Abundance Ion 43.00 (42.70 to 43.70): VU028496.D (-1267) (-)

Ion 61.00 (60.70 to 61.70): VU028496.D (-1267) (-)

Ion 87.00 (86.70 to 87.70): VU028496.D (-1267) (-)



#44

Trichloroethene

Concen: 98.228 ug/l

RT: 6.19 min Scan# 1559

Delta R.T. -0.00 min

Lab File: VU028496.D

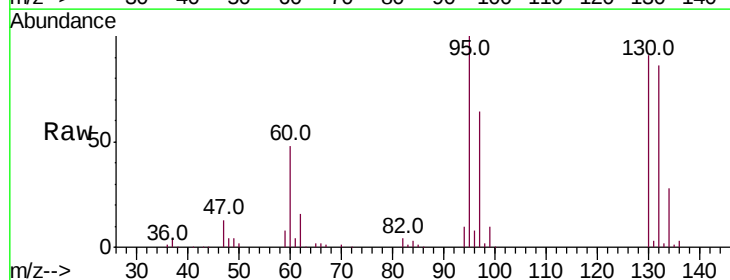
Acq: 06 Dec 2018 12:56

Tgt Ion:130 Resp: 134463

Ion Ratio Lower Upper

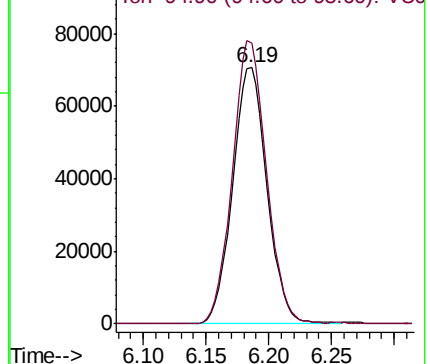
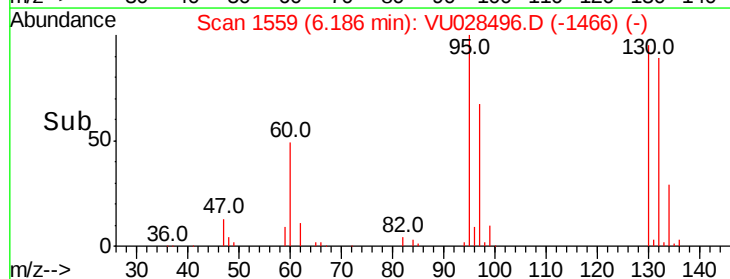
130 100

95 109.5 0.0 224.0



Abundance Ion 129.80 (129.50 to 130.50): VU028496.D (-1466) (-)

Ion 94.90 (94.60 to 95.60): VU028496.D (-1466) (-)





#45

1,2-Dichloropropane

Concen: 99.410 ug/l

RT: 6.43 min Scan# 1635

Delta R.T. -0.00 min

Lab File: VU028496.D

Acq: 06 Dec 2018 12:56

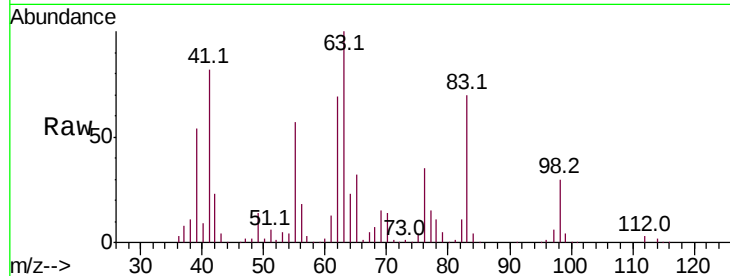
Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 63 Resp: 172104

Ion Ratio Lower Upper

63 100

65 32.0 24.2 36.4



Abundance Ion 62.90 (62.60 to 63.60): VU028495.D (-1619) (-)

Ion 64.90 (64.60 to 65.60): VU028495.D (-1619) (-)

6.43

100000

80000

60000

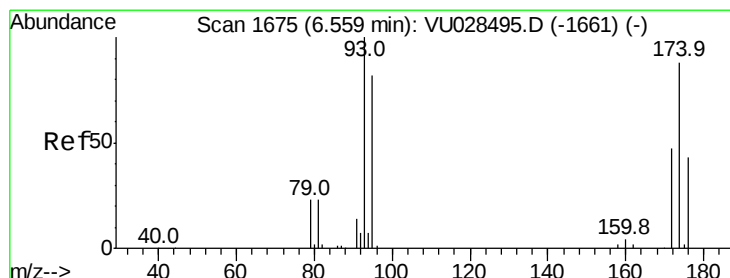
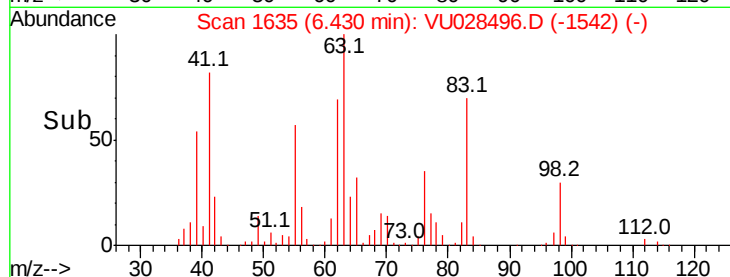
40000

20000

0

6.40 6.50

Time-->



#46

Dibromomethane

Concen: 98.996 ug/l

RT: 6.56 min Scan# 1674

Delta R.T. -0.00 min

Lab File: VU028496.D

Acq: 06 Dec 2018 12:56

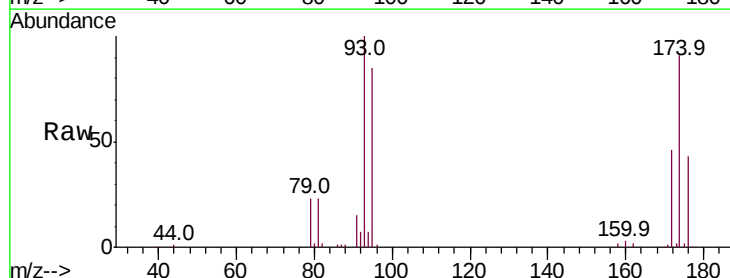
Tgt Ion: 93 Resp: 101689

Ion Ratio Lower Upper

93 100

95 83.4 65.4 98.2

174 92.0 72.2 108.4



Abundance Ion 92.80 (92.50 to 93.50): VU028495.D (-1661) (-)

Ion 94.80 (94.50 to 95.50): VU028495.D (-1661) (-)

Ion 173.70 (173.40 to 174.40): VU028495.D (-1661) (-)

6.56

60000

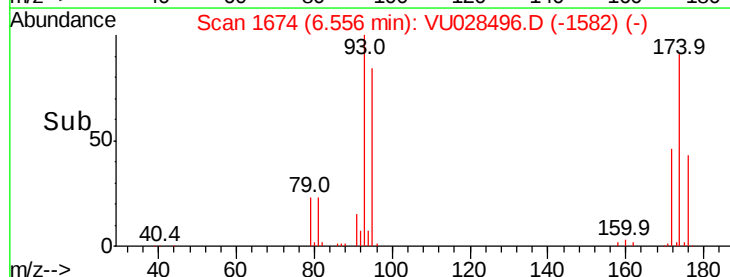
40000

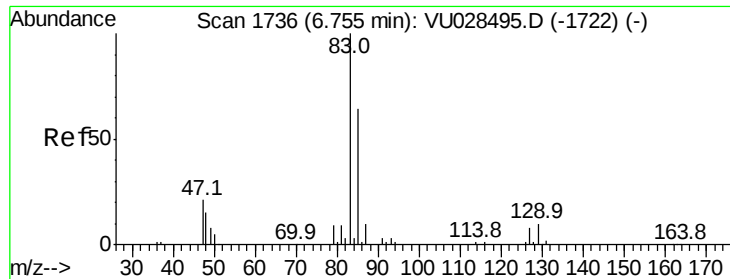
20000

0

6.50 6.60

Time-->





#47

Bromodichloromethane

Concen: 98.926 ug/l

RT: 6.76 min Scan# 1736

Delta R.T. -0.00 min

Lab File: VU028496.D

Acq: 06 Dec 2018 12:56

Instrument :
MSVOA_U
ClientSampled :

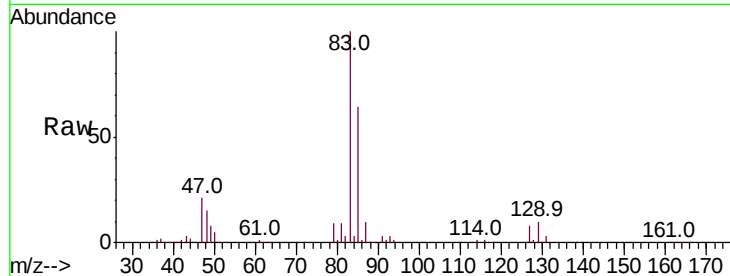
Tot Ion: 83 Resp: 197740

Ion Ratio Lower Upper

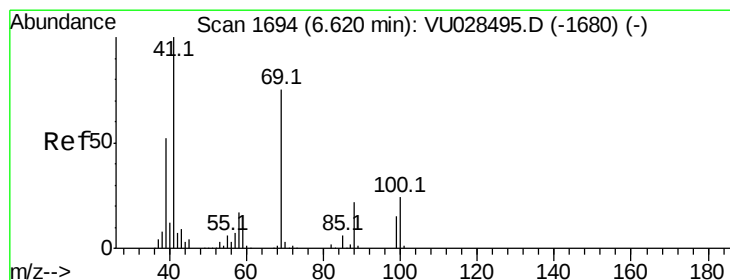
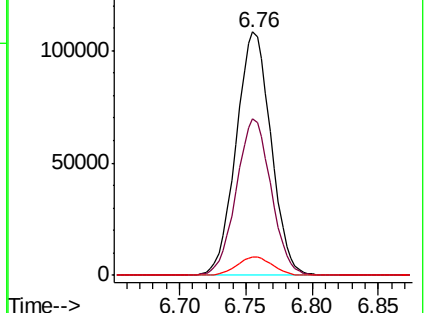
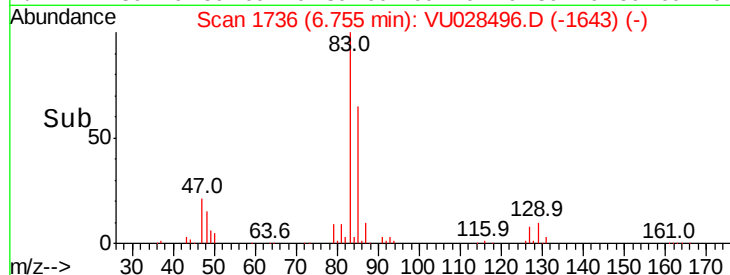
83 100

85 64.1 51.5 77.3

127 7.7 6.2 9.4



Abundance Ion 82.90 (82.60 to 83.60): VU0
Ion 84.90 (84.60 to 85.60): VU0
Ion 126.80 (126.50 to 127.50): V



#48

Methyl methacrylate

Concen: 103.058 ug/l

RT: 6.62 min Scan# 1694

Delta R.T. -0.00 min

Lab File: VU028496.D

Acq: 06 Dec 2018 12:56

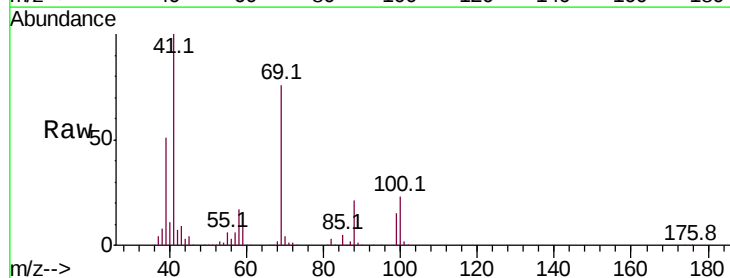
Tgt Ion: 41 Resp: 219048

Ion Ratio Lower Upper

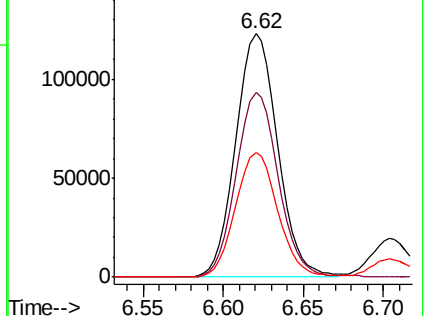
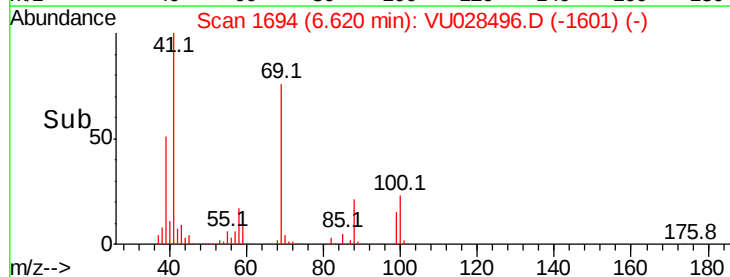
41 100

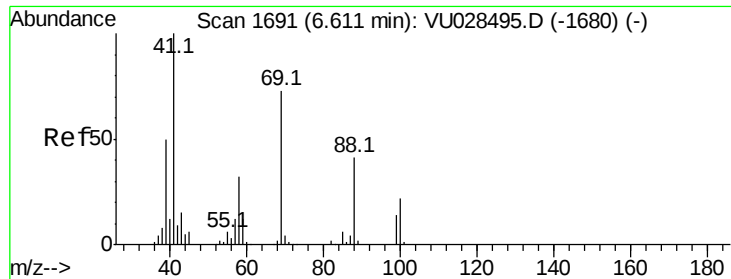
69 77.0 60.4 90.6

39 51.5 41.1 61.7



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

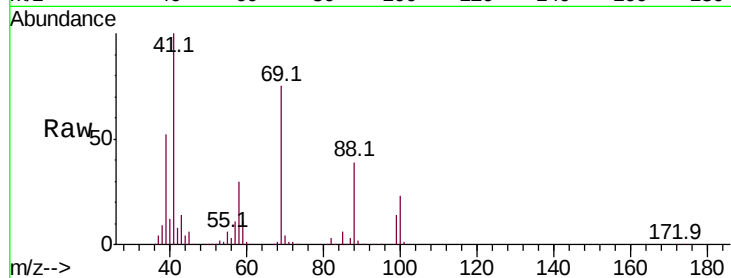




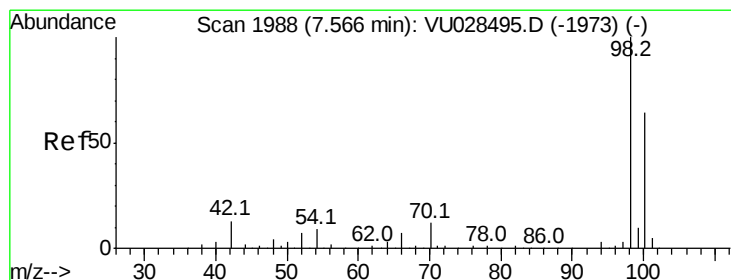
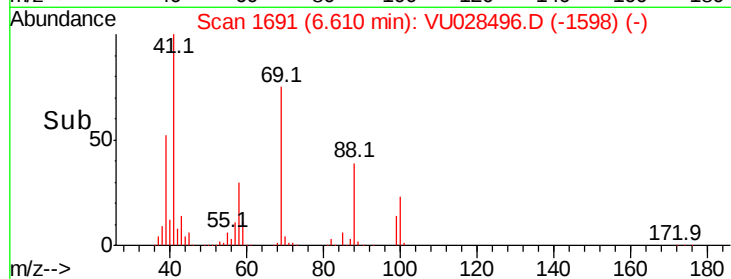
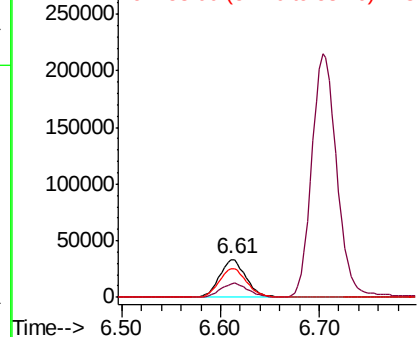
#49
1,4-Dioxane
Concen: 1898.201 ug/l
RT: 6.61 min Scan# 1691
Delta R.T. -0.00 min
Lab File: VU028496.D
Acq: 06 Dec 2018 12:56

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 88 Resp: 63705
Ion Ratio Lower Upper
88 100
43 38.1 30.9 46.3
58 78.7 62.4 93.6

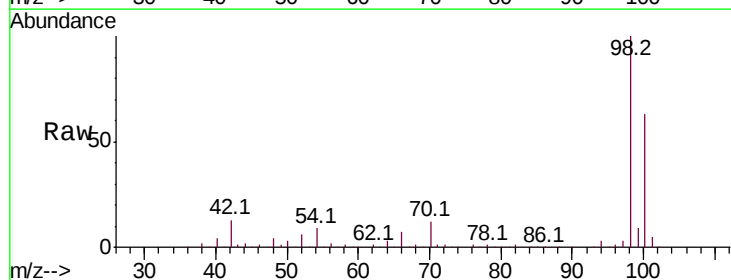


Abundance Ion 88.00 (87.70 to 88.70): VU0
Ion 43.00 (42.70 to 43.70): VU0
Ion 58.00 (57.70 to 58.70): VU0

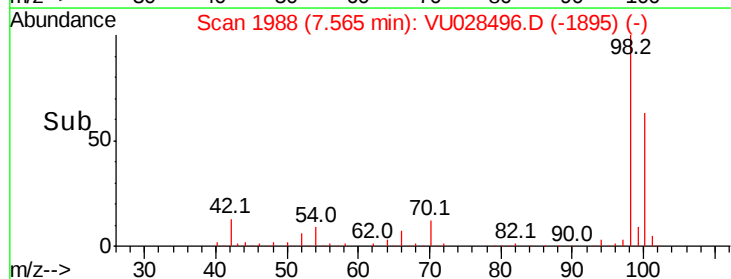
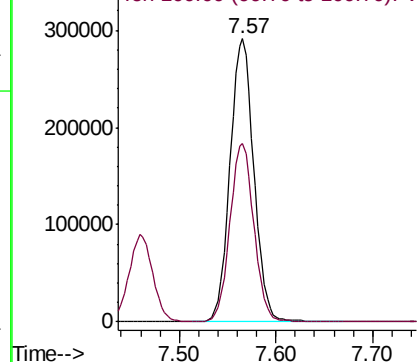


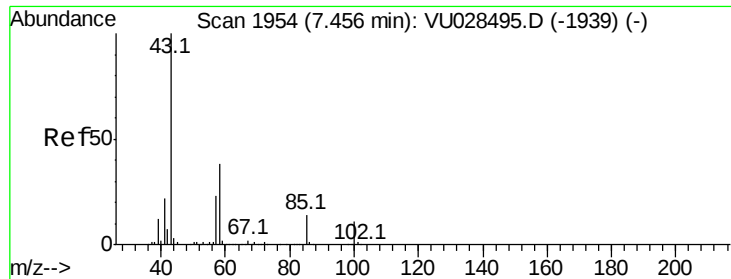
#50
Toluene-d8
Concen: 104.927 ug/l
RT: 7.57 min Scan# 1988
Delta R.T. -0.00 min
Lab File: VU028496.D
Acq: 06 Dec 2018 12:56

Tgt Ion: 98 Resp: 498967
Ion Ratio Lower Upper
98 100
100 63.1 51.0 76.6



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





#51

4-Methyl-2-Pentanone

Concen: 504.427 ug/l

RT: 7.46 min Scan# 1955

Delta R.T. 0.00 min

Lab File: VU028496.D

Acq: 06 Dec 2018 12:56

Instrument :

MSVOA_U

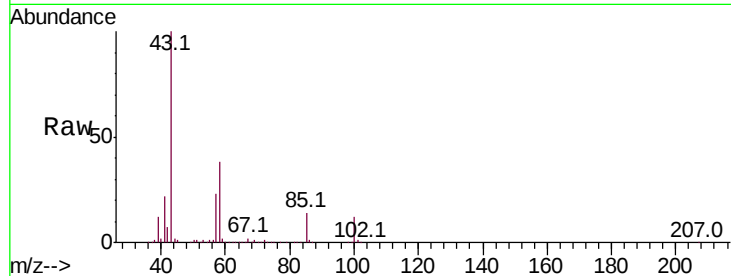
ClientSampleId :

Tot Ion: 43 Resp: 1359773

Ion Ratio Lower Upper

43 100

58 37.4 30.2 45.2



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0

800000

600000

400000

200000

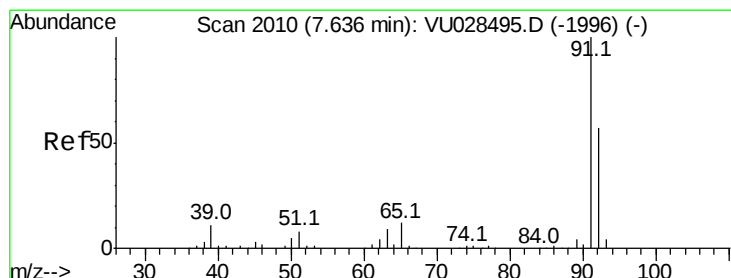
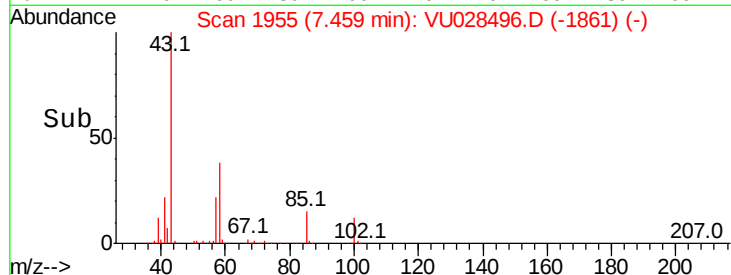
0

7.46

7.40

7.50

Time-->



#52

Toluene

Concen: 101.435 ug/l

RT: 7.64 min Scan# 2010

Delta R.T. -0.00 min

Lab File: VU028496.D

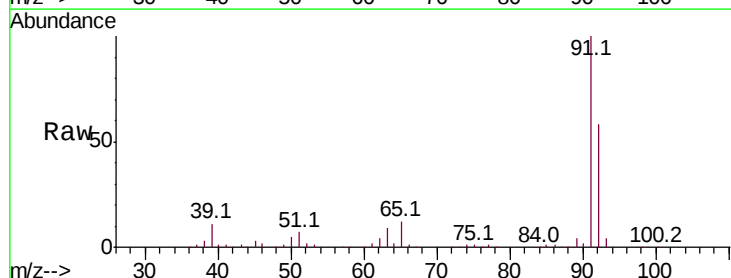
Acq: 06 Dec 2018 12:56

Tgt Ion: 92 Resp: 367521

Ion Ratio Lower Upper

92 100

91 173.2 140.2 210.4



Abundance Ion 92.00 (91.70 to 92.70): VU0

Ion 91.00 (90.70 to 91.70): VU0

400000

300000

200000

100000

0

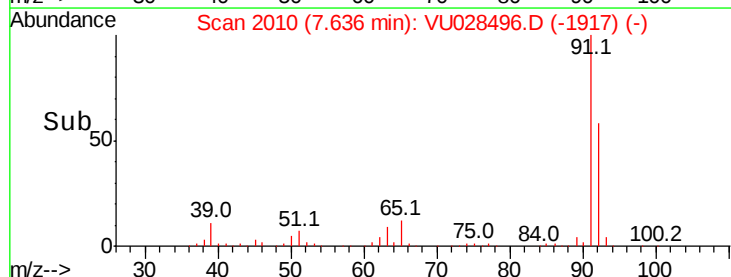
7.64

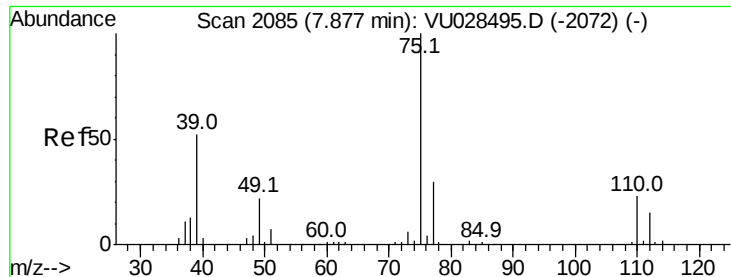
7.60

7.70

7.80

Time-->





#53

t-1,3-Dichloropropene

Concen: 103.130 ug/l

RT: 7.88 min Scan# 2085

Delta R.T. -0.00 min

Lab File: VU028496.D

Acq: 06 Dec 2018 12:56

Instrument :

MSVOA_U

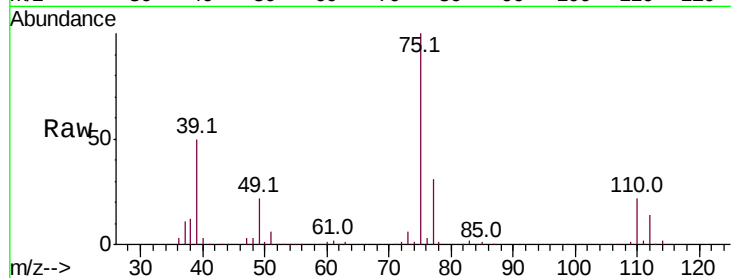
ClientSampleId :

Tot Ion: 75 Resp: 245514

Ion Ratio Lower Upper

75 100

77 31.0 24.2 36.4



Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 76.90 (76.60 to 77.60): VU0

7.88

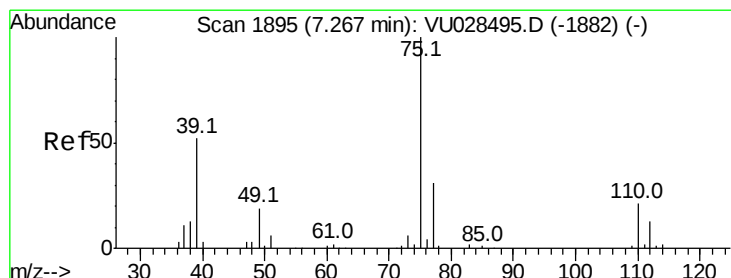
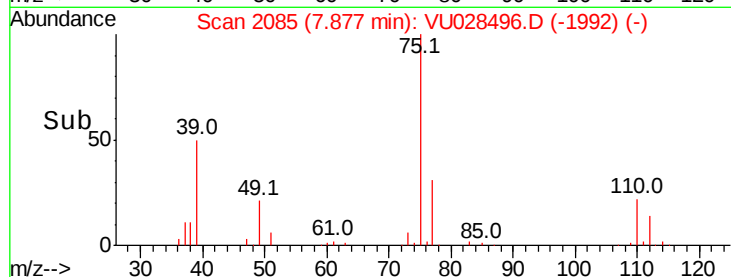
150000

100000

50000

0

Time-->



#54

cis-1,3-Dichloropropene

Concen: 101.403 ug/l

RT: 7.27 min Scan# 1895

Delta R.T. -0.00 min

Lab File: VU028496.D

Acq: 06 Dec 2018 12:56

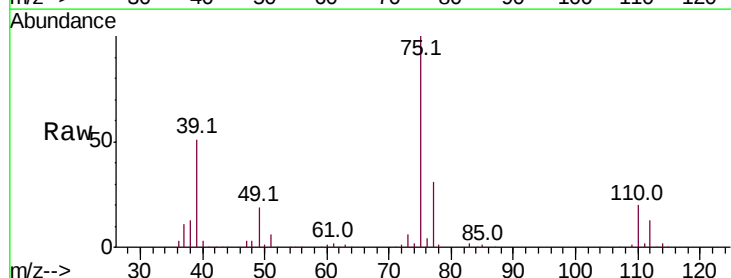
Tgt Ion: 75 Resp: 261905

Ion Ratio Lower Upper

75 100

77 30.7 25.0 37.4

39 51.4 41.3 61.9



Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 76.90 (76.60 to 77.60): VU0

Ion 39.00 (38.70 to 39.70): VU0

200000

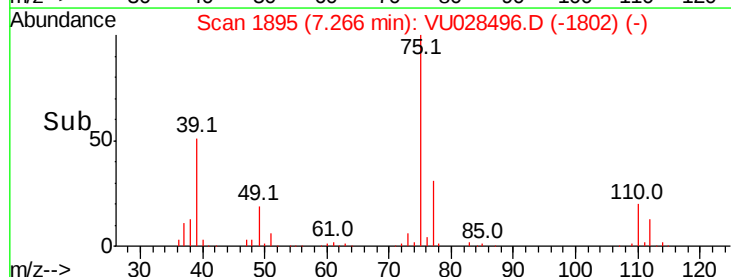
150000

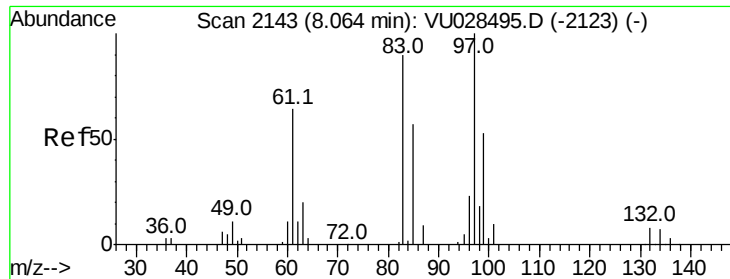
100000

50000

0

Time-->

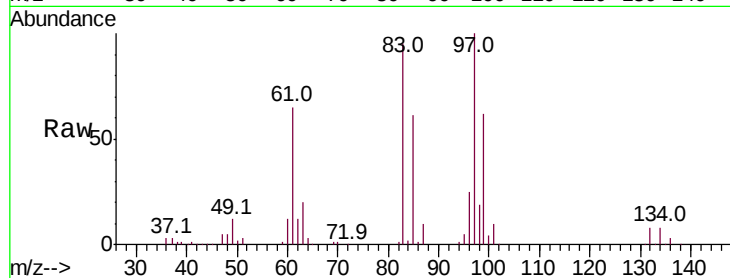




#55
 1,1,2-Trichloroethane
 Concen: 98.857 ug/l
 RT: 8.06 min Scan# 2143
 Delta R.T. -0.00 min
 Lab File: VU028496.D
 Acq: 06 Dec 2018 12:56

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion:	97	Resp:	141586
Ion	Ratio	Lower	Upper
97	100		
83	94.9	72.4	108.6
85	60.7	46.0	69.0
99	62.2	47.4	71.2



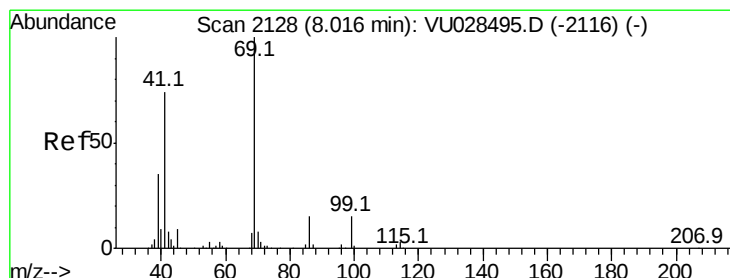
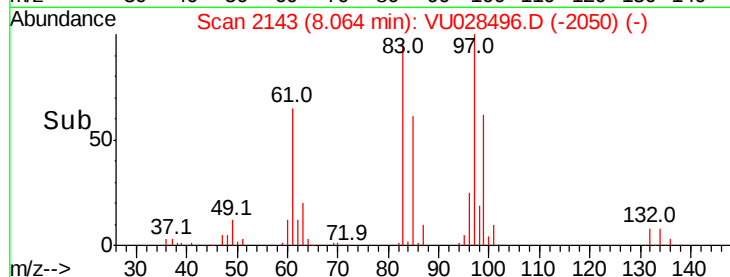
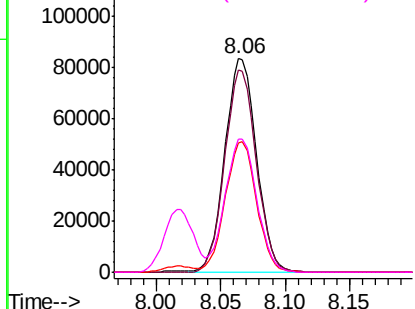
Abundance

Ion 96.90 (96.60 to 97.60): VU0

Ion 82.90 (82.60 to 83.60): VU0

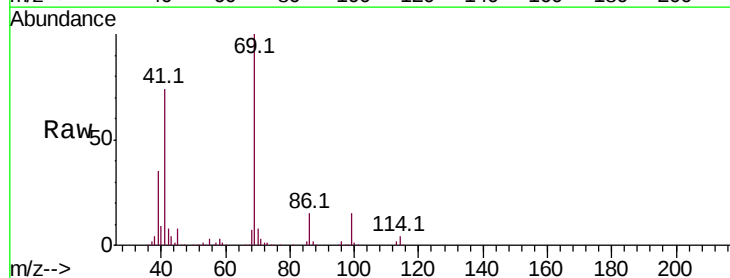
Ion 84.90 (84.60 to 85.60): VU0

Ion 98.90 (98.60 to 99.60): VU0



#56
 Ethyl methacrylate
 Concen: 104.782 ug/l
 RT: 8.02 min Scan# 2128
 Delta R.T. -0.00 min
 Lab File: VU028496.D
 Acq: 06 Dec 2018 12:56

Tgt Ion:	69	Resp:	256990
Ion	Ratio	Lower	Upper
69	100		
41	73.7	59.1	88.7
39	35.5	28.4	42.6

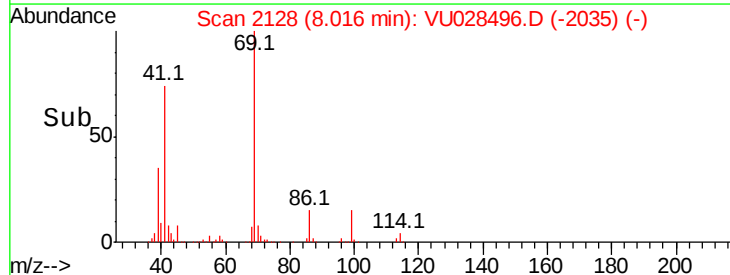
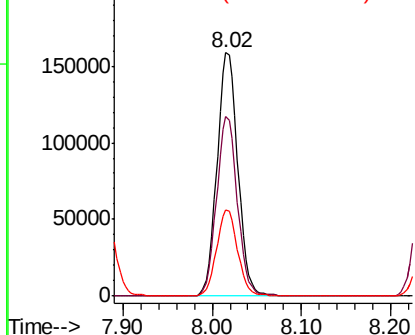


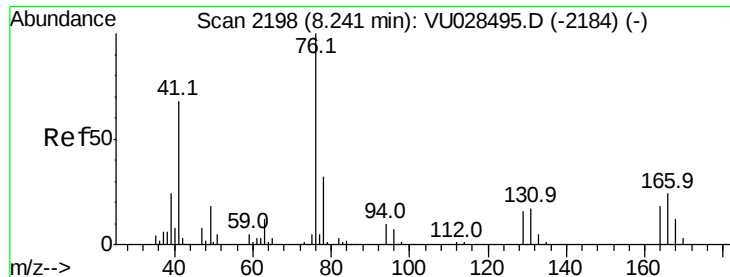
Abundance

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: 99.241 ug/l

RT: 8.24 min Scan# 2198

Delta R.T. -0.00 min

Lab File: VU028496.D

Acq: 06 Dec 2018 12:56

Instrument :

MSVOA_U

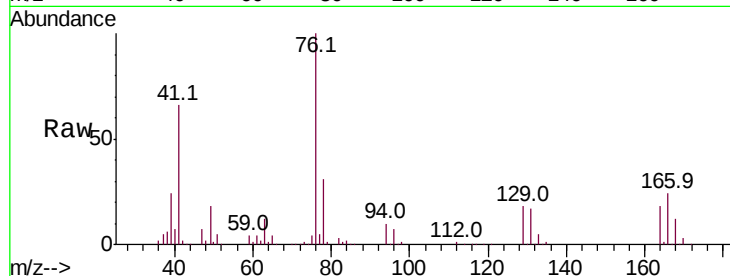
ClientSampleId :

Tot Ion: 76 Resp: 263848

Ion Ratio Lower Upper

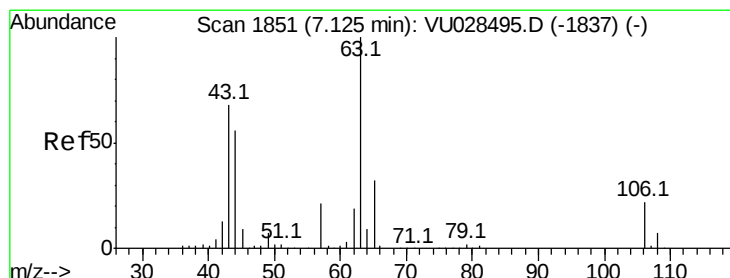
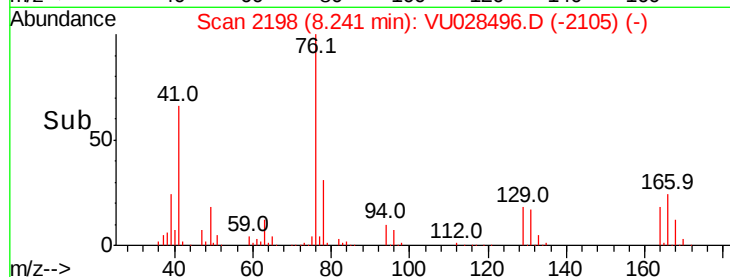
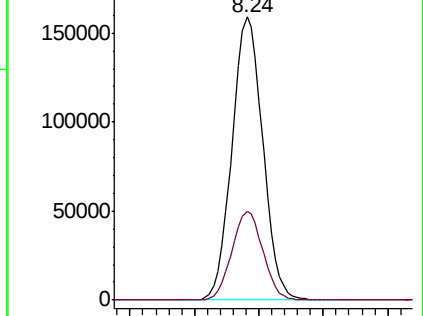
76 100

78 31.8 25.2 37.8



Abundance Ion 75.90 (75.60 to 76.60): VU0

Ion 77.90 (77.60 to 78.60): VU0



#58

2-Chloroethyl Vinyl ether

Concen: 528.572 ug/l

RT: 7.13 min Scan# 1852

Delta R.T. 0.00 min

Lab File: VU028496.D

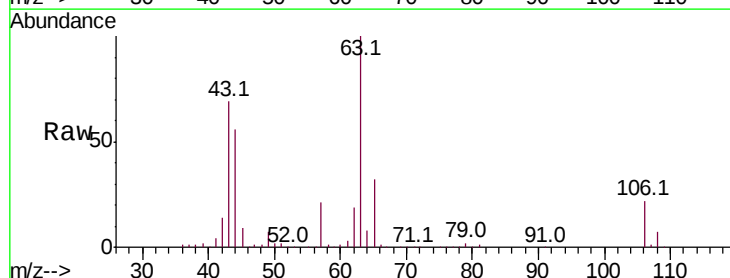
Acq: 06 Dec 2018 12:56

Tgt Ion: 63 Resp: 664013

Ion Ratio Lower Upper

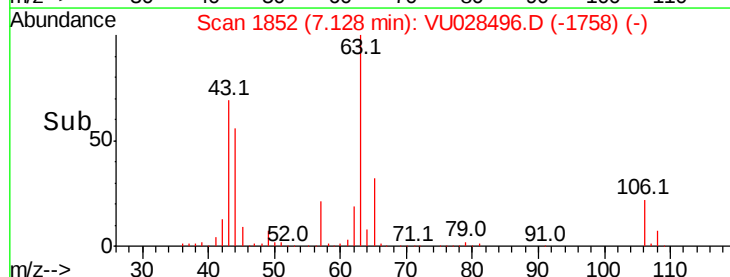
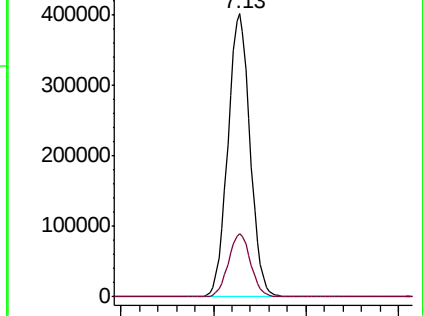
63 100

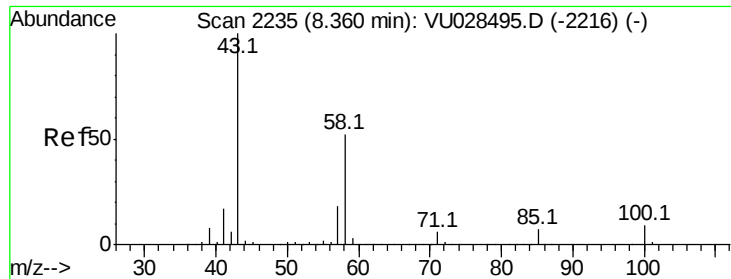
106 22.3 17.8 26.6



Abundance Ion 62.90 (62.60 to 63.60): VU0

Ion 105.90 (105.60 to 106.60): V

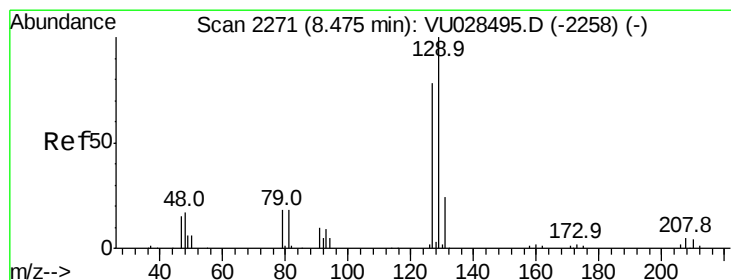
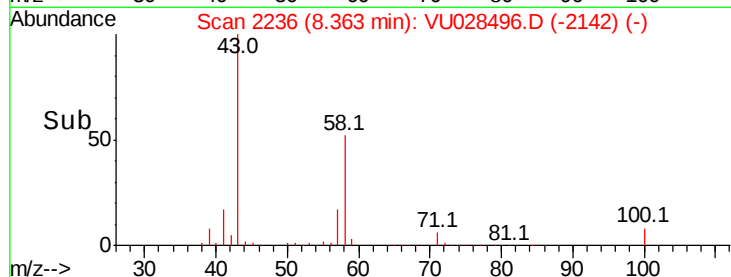
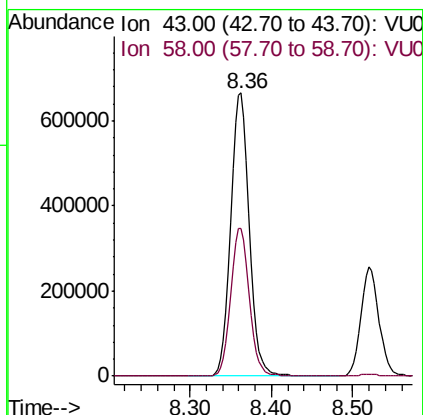
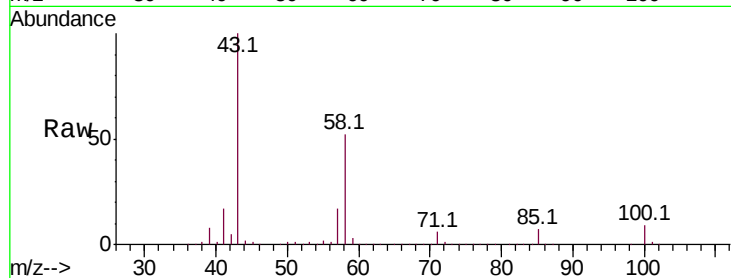




#59
2-Hexanone
Concen: 501.853 ug/l
RT: 8.36 min Scan# 2236
Delta R.T. 0.00 min
Lab File: VU028496.D
Acq: 06 Dec 2018 12:56

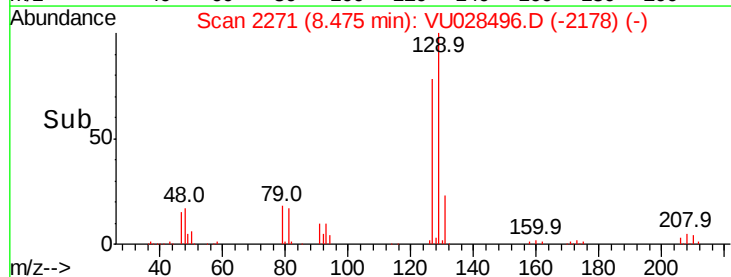
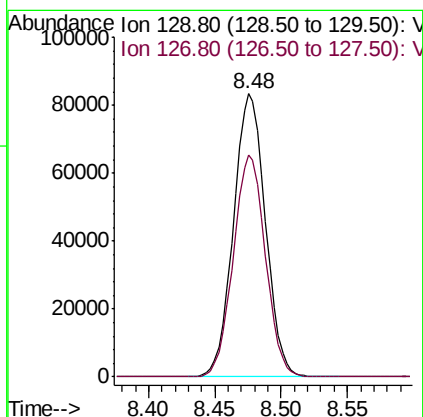
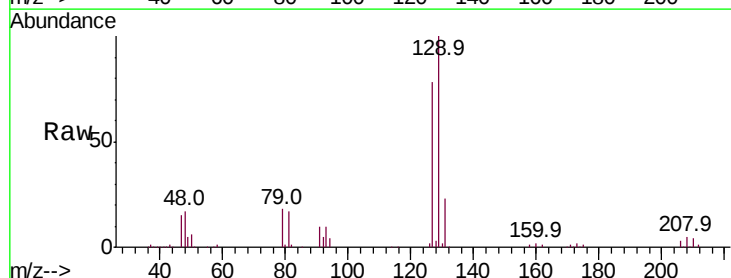
Instrument :
MSVOA_U
ClientSampled :

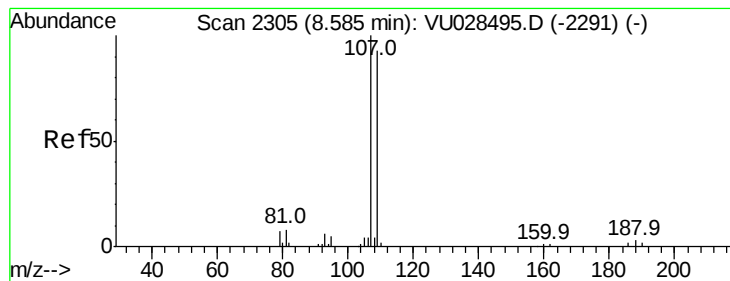
Tot Ion: 43 Resp: 1072265
Ion Ratio Lower Upper
43 100
58 52.5 25.9 77.6



#60
Dibromochloromethane
Concen: 99.514 ug/l
RT: 8.48 min Scan# 2271
Delta R.T. -0.00 min
Lab File: VU028496.D
Acq: 06 Dec 2018 12:56

Tgt Ion:129 Resp: 139542
Ion Ratio Lower Upper
129 100
127 78.6 39.1 117.3





#61

1,2-Dibromoethane

Concen: 102.432 ug/l

RT: 8.58 min Scan# 2305

Delta R.T. -0.00 min

Lab File: VU028496.D

Acq: 06 Dec 2018 12:56

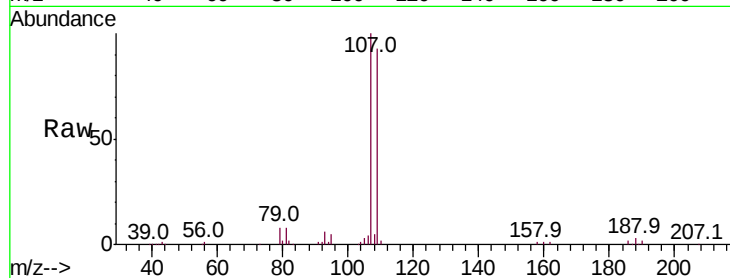
Instrument :
MSVOA_U
ClientSampled :

Tot Ion:107 Resp: 153845

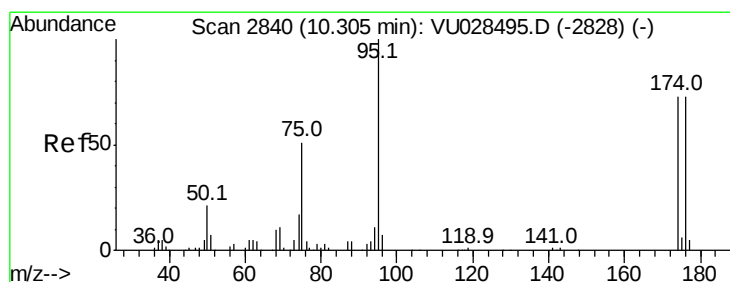
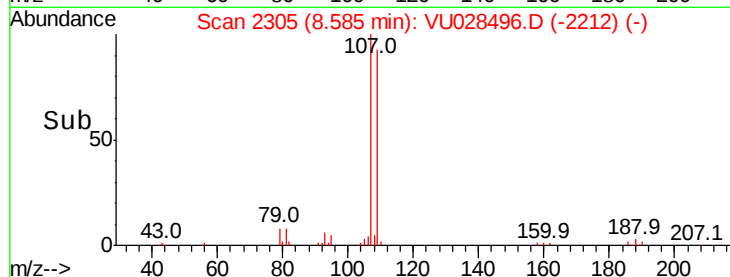
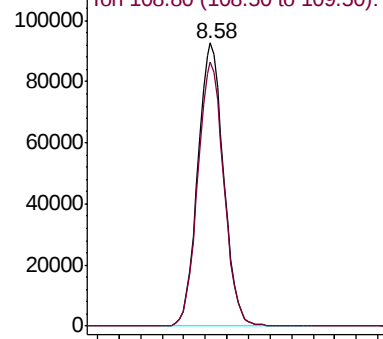
Ion Ratio Lower Upper

107 100

109 94.3 74.5 111.7



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



#62

4-Bromofluorobenzene

Concen: 104.697 ug/l

RT: 10.30 min Scan# 2840

Delta R.T. -0.00 min

Lab File: VU028496.D

Acq: 06 Dec 2018 12:56

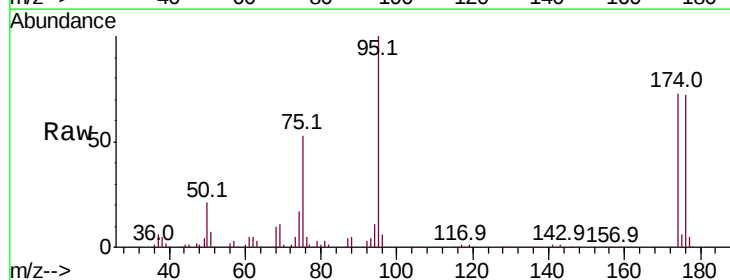
Tgt Ion: 95 Resp: 186086

Ion Ratio Lower Upper

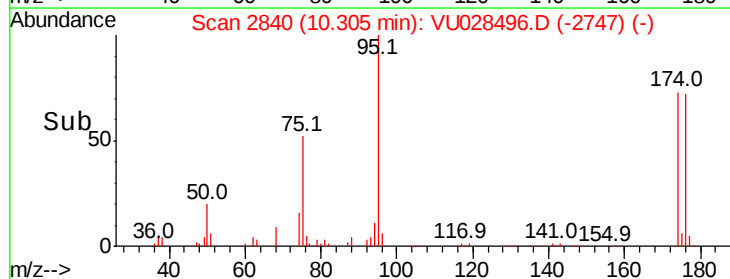
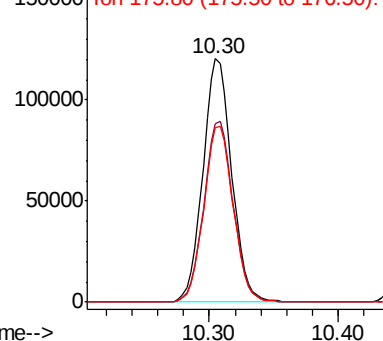
95 100

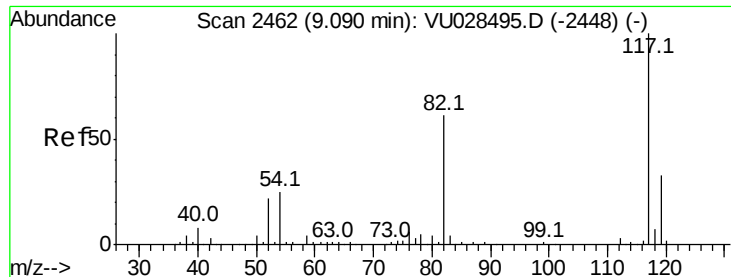
174 75.6 0.0 150.4

176 73.7 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

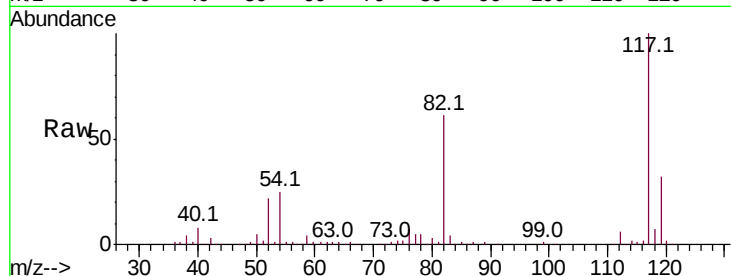




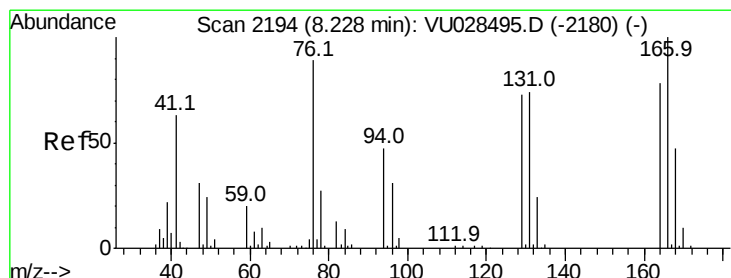
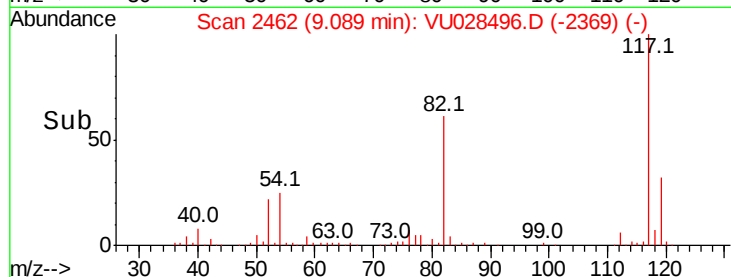
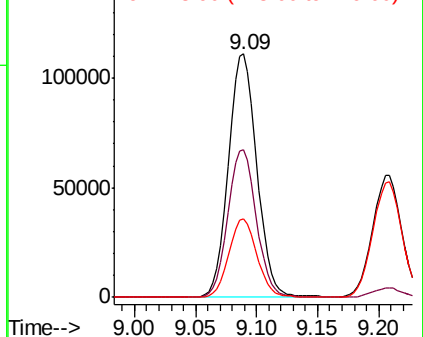
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.09 min Scan# 2462
Delta R.T. -0.00 min
Lab File: VU028496.D
Acq: 06 Dec 2018 12:56

Instrument :
MSVOA_U
ClientSampled :

Tot Ion:117 Resp: 181808
Ion Ratio Lower Upper
117 100
82 60.7 48.9 73.3
119 32.2 26.2 39.4

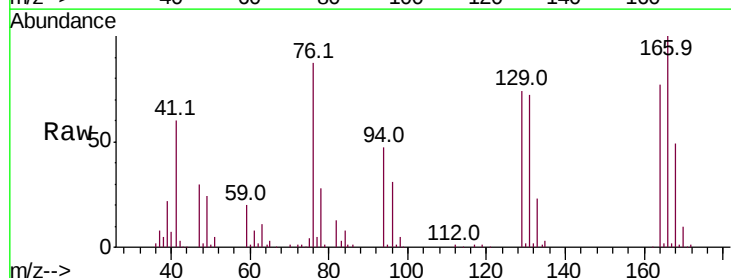


Abundance Ion 116.90 (116.60 to 117.60): V
150000 Ion 82.00 (81.70 to 82.70): VU0
Ion 118.90 (118.60 to 119.60): V

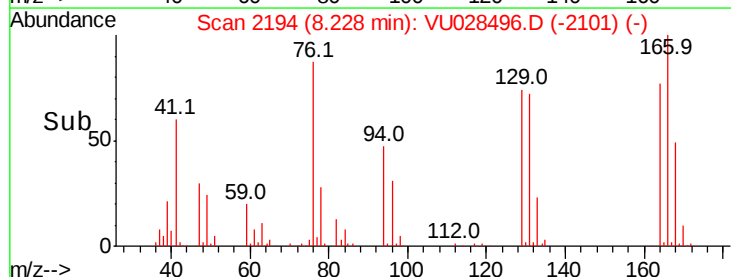
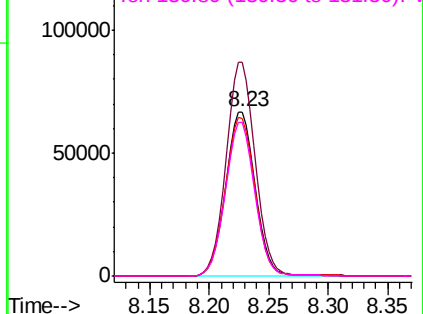


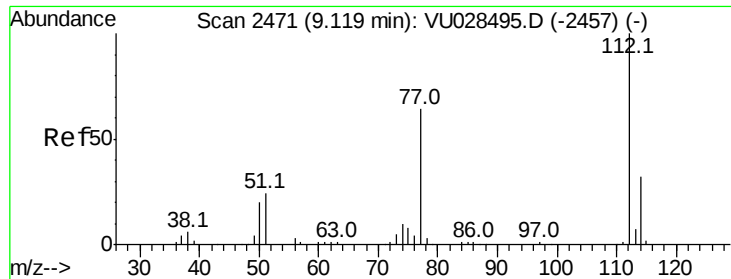
#64
Tetrachloroethene
Concen: 94.649 ug/l
RT: 8.23 min Scan# 2194
Delta R.T. -0.00 min
Lab File: VU028496.D
Acq: 06 Dec 2018 12:56

Tgt Ion:164 Resp: 114781
Ion Ratio Lower Upper
164 100
166 129.9 101.9 152.9
129 96.0 74.9 112.3
131 93.2 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

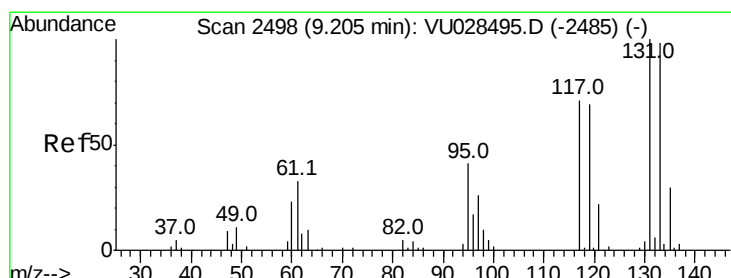
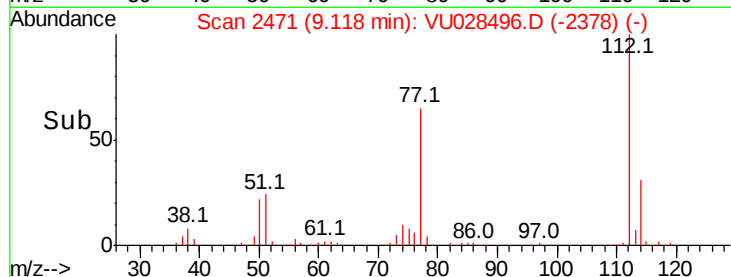
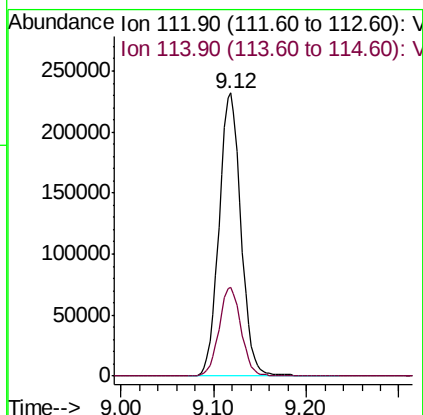
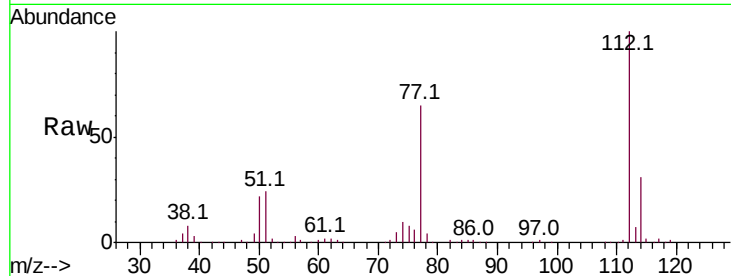




#65
Chlorobenzene
Concen: 98.141 ug/l
RT: 9.12 min Scan# 2471
Delta R.T. -0.00 min
Lab File: VU028496.D
Acq: 06 Dec 2018 12:56

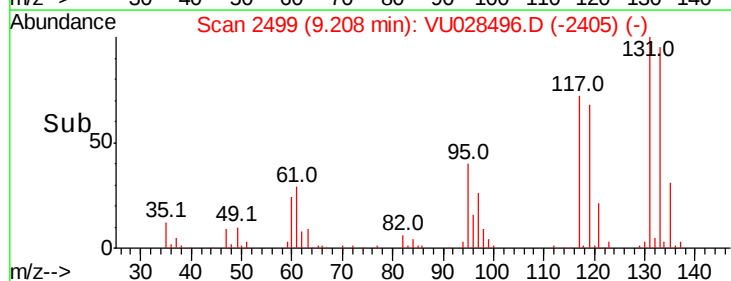
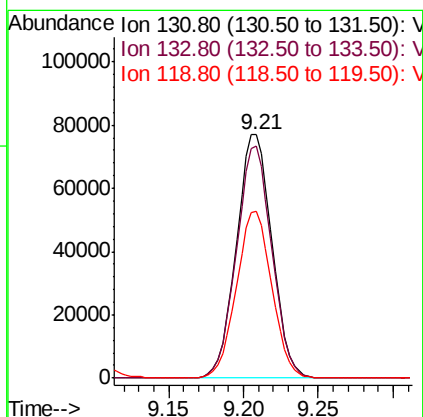
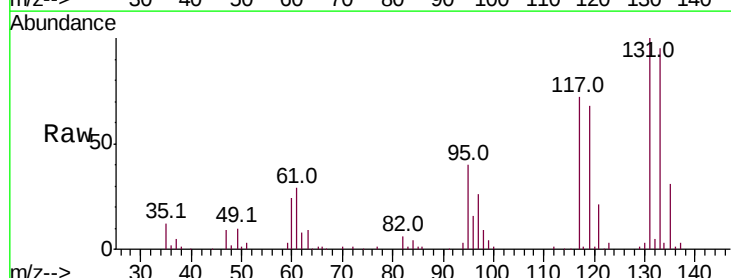
Instrument :
MSVOA_U
ClientSampleId :

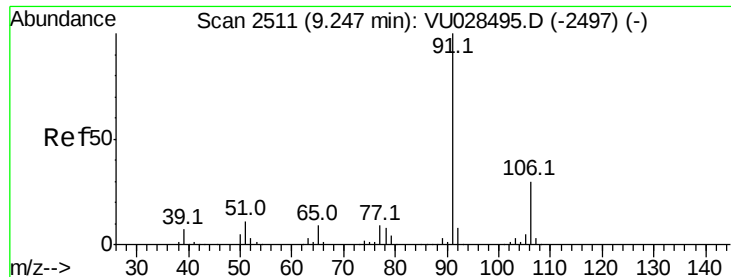
Tot Ion:112 Resp: 380214
Ion Ratio Lower Upper
112 100
114 31.4 25.3 37.9



#66
1,1,1,2-Tetrachloroethane
Concen: 103.076 ug/l
RT: 9.21 min Scan# 2499
Delta R.T. 0.00 min
Lab File: VU028496.D
Acq: 06 Dec 2018 12:56

Tgt Ion:131 Resp: 127520
Ion Ratio Lower Upper
131 100
133 94.8 48.0 144.0
119 68.2 34.6 103.9

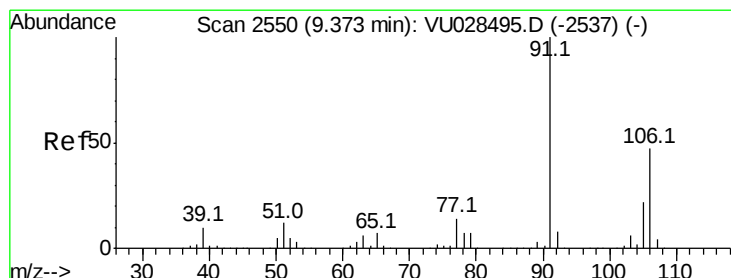
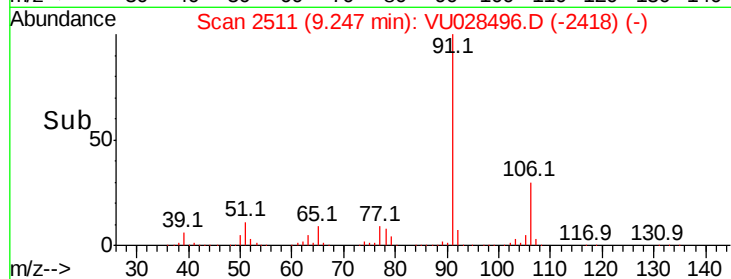
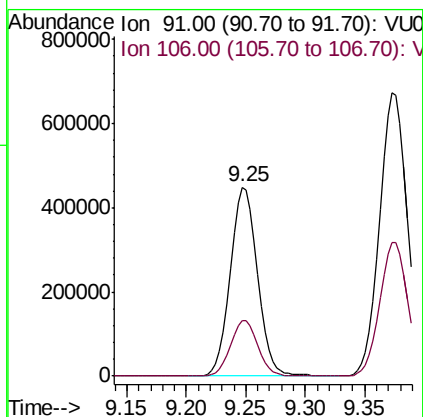
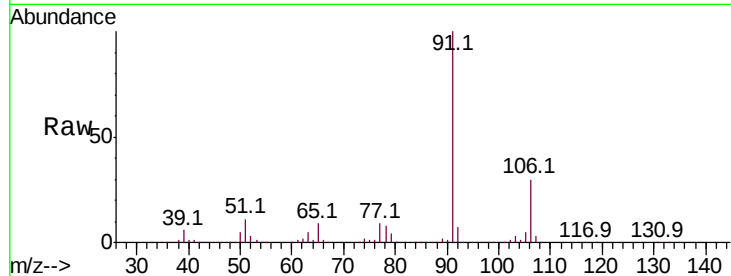




#67
Ethyl Benzene
Concen: 100.178 ug/l
RT: 9.25 min Scan# 2511
Delta R.T. -0.00 min
Lab File: VU028496.D
Acq: 06 Dec 2018 12:56

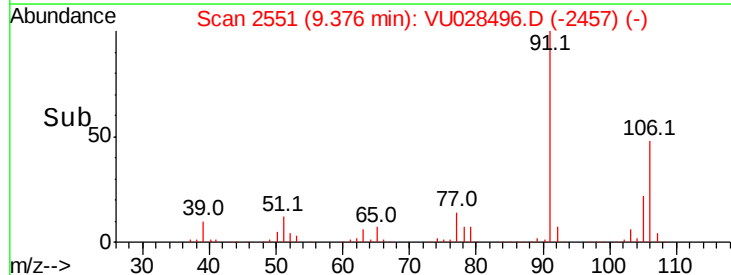
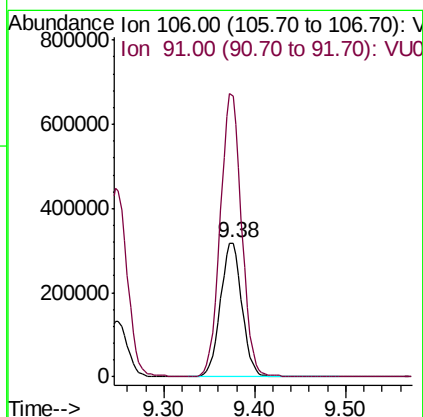
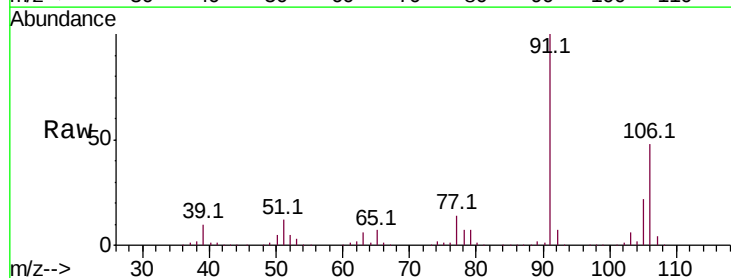
Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 91 Resp: 713457
Ion Ratio Lower Upper
91 100
106 29.6 24.1 36.1



#68
m/p-Xylenes
Concen: 201.774 ug/l
RT: 9.38 min Scan# 2551
Delta R.T. 0.00 min
Lab File: VU028496.D
Acq: 06 Dec 2018 12:56

Tgt Ion: 106 Resp: 522893
Ion Ratio Lower Upper
106 100
91 209.9 167.4 251.0

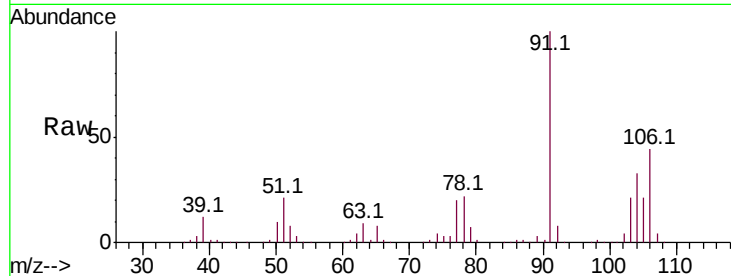




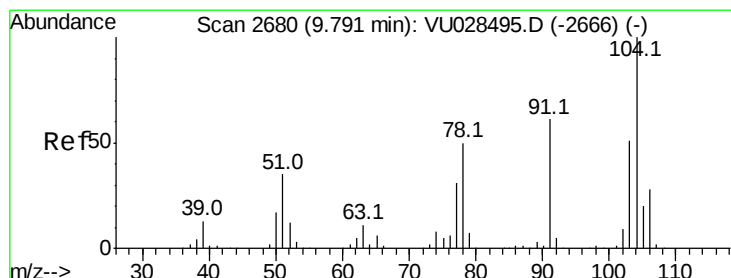
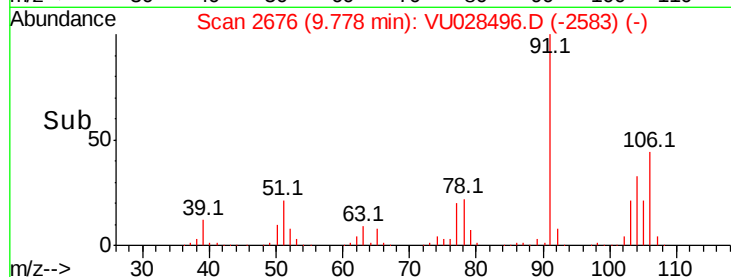
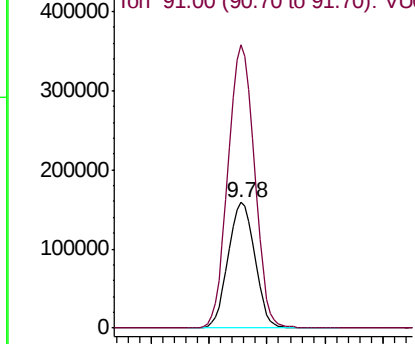
#69
o-Xylene
Concen: 100.367 ug/l
RT: 9.78 min Scan# 2676
Delta R.T. -0.00 min
Lab File: VU028496.D
Acq: 06 Dec 2018 12:56

Instrument :
MSVOA_U
ClientSampled :

Tot Ion:106 Resp: 252764
Ion Ratio Lower Upper
106 100
91 223.1 111.3 334.0

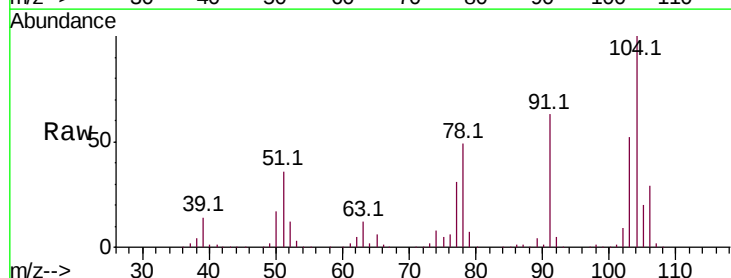


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VU0

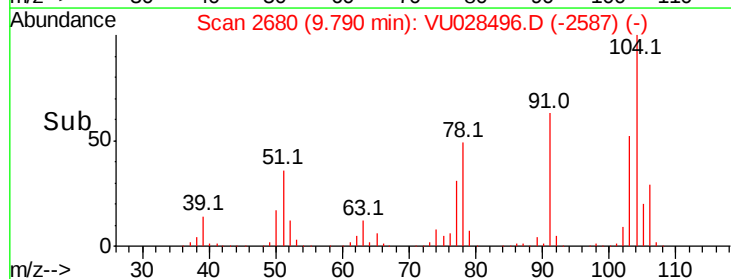
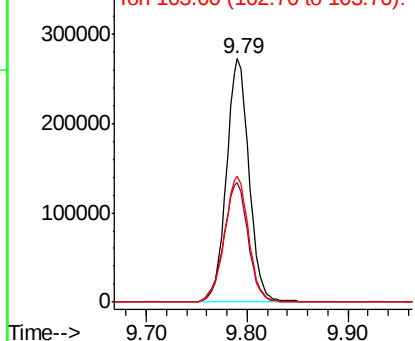


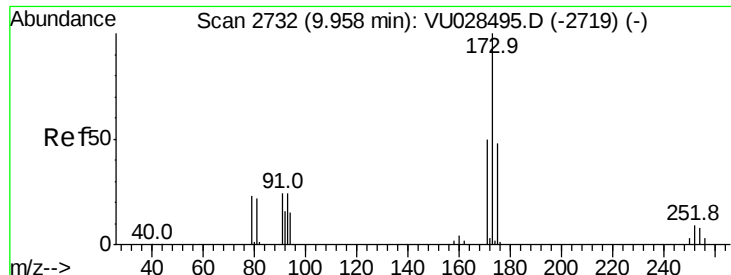
#70
Styrene
Concen: 102.196 ug/l
RT: 9.79 min Scan# 2680
Delta R.T. -0.00 min
Lab File: VU028496.D
Acq: 06 Dec 2018 12:56

Tgt Ion:104 Resp: 425927
Ion Ratio Lower Upper
104 100
78 53.2 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: 104.289 ug/l

RT: 9.96 min Scan# 2732

Delta R.T. -0.00 min

Lab File: VU028496.D

Acq: 06 Dec 2018 12:56

Instrument :

MSVOA_U

ClientSampleId :

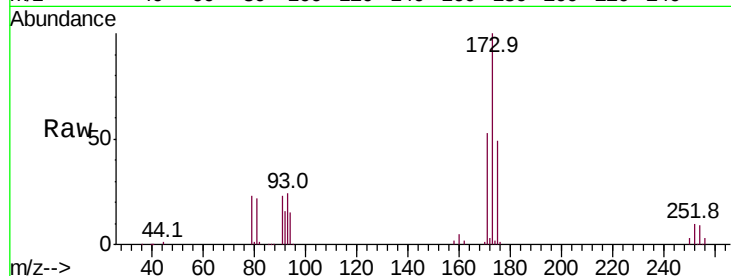
Tot Ion:173 Resp: 109756

Ion Ratio Lower Upper

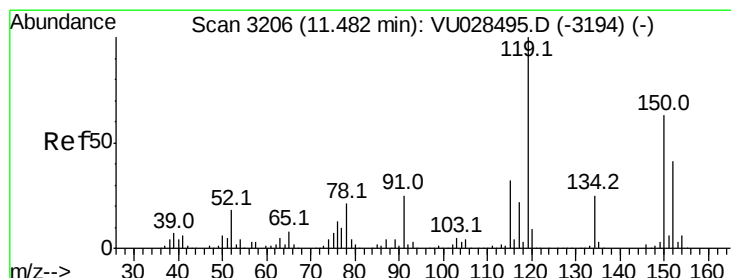
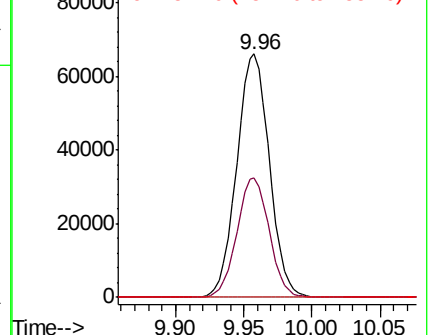
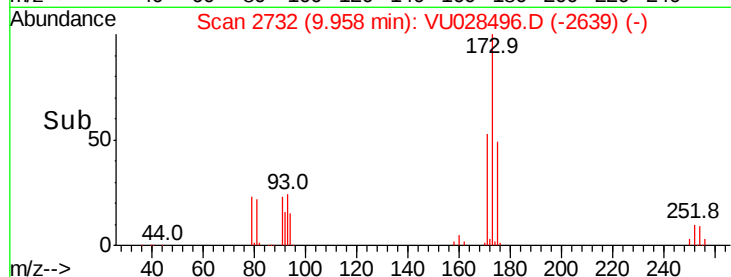
173 100

175 48.6 23.9 71.8

254 0.1 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: VU028496.D

Acq: 06 Dec 2018 12:56

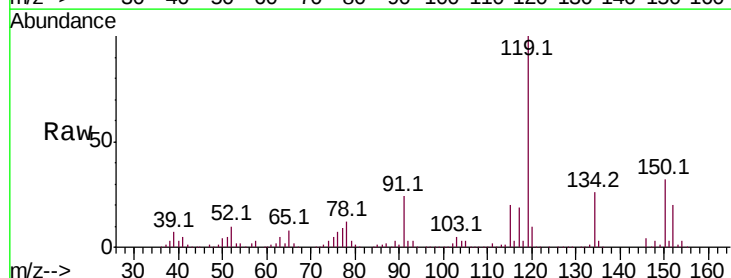
Tgt Ion:152 Resp: 92706

Ion Ratio Lower Upper

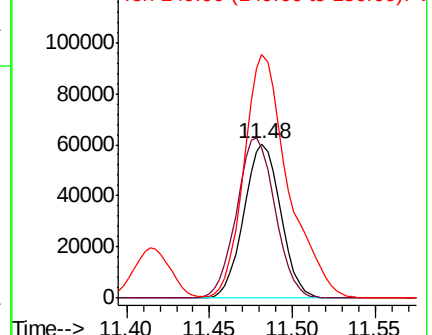
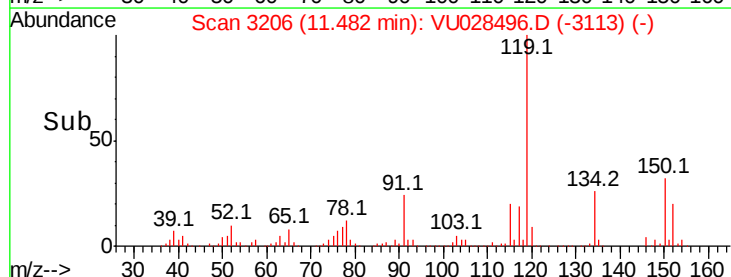
152 100

115 109.5 42.7 128.1

150 190.4 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

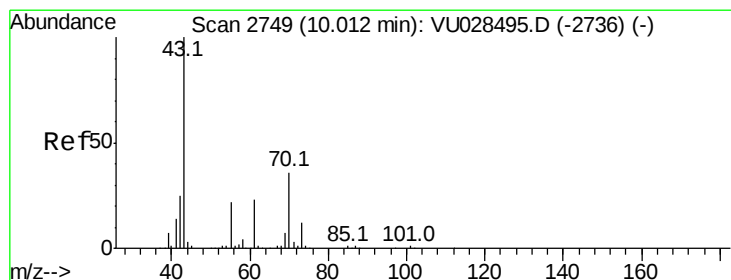
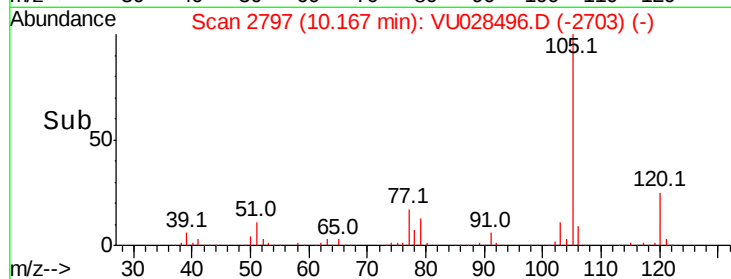
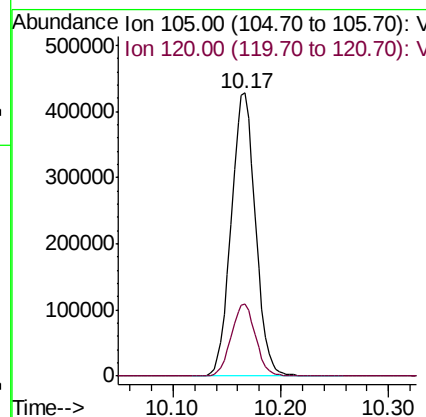
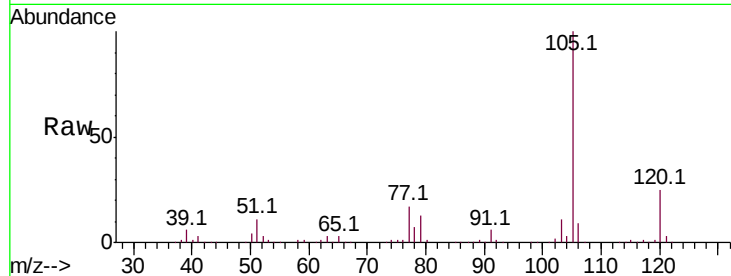




#73
Isopropylbenzene
Concen: 94.441 ug/l
RT: 10.17 min Scan# 2797
Delta R.T. 0.00 min
Lab File: VU028496.D
Acq: 06 Dec 2018 12:56

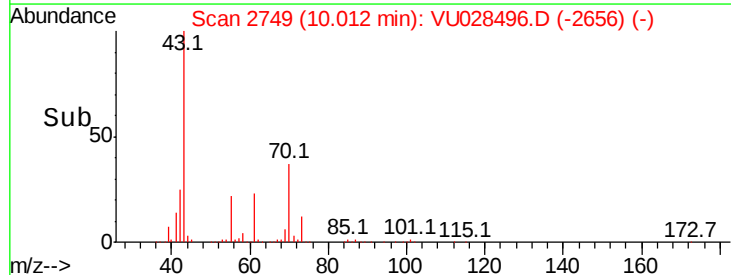
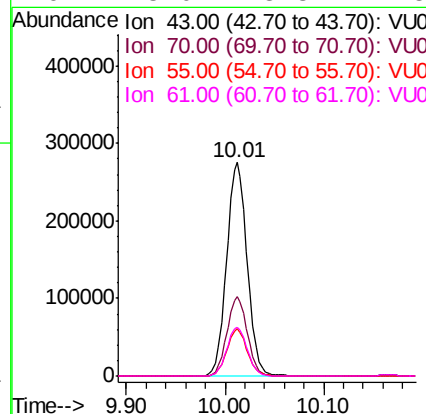
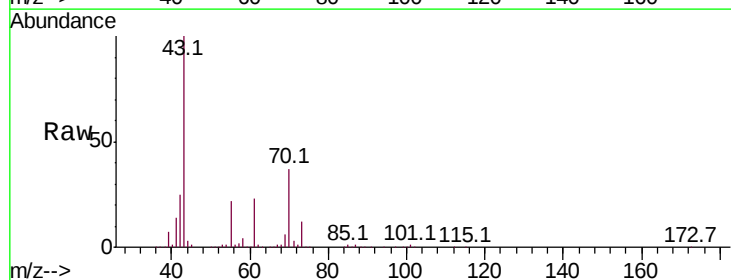
Instrument :
MSVOA_U
ClientSampleId :

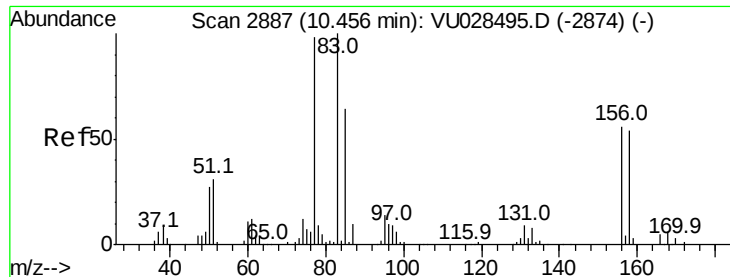
Tot Ion:105 Resp: 671819
Ion Ratio Lower Upper
105 100
120 25.5 12.9 38.6



#74
N-ethyl acetate
Concen: 97.959 ug/l
RT: 10.01 min Scan# 2749
Delta R.T. -0.00 min
Lab File: VU028496.D
Acq: 06 Dec 2018 12:56

Tgt Ion: 43 Resp: 401962
Ion Ratio Lower Upper
43 100
70 36.9 29.3 43.9
55 22.1 18.0 27.0
61 23.0 18.3 27.5





#75

1,1,2,2-Tetrachloroethane

Concen: 96.551 ug/l

RT: 10.46 min Scan# 2887

Delta R.T. -0.00 min

Lab File: VU028496.D

Acq: 06 Dec 2018 12:56

Instrument :

MSVOA_U

ClientSampled :

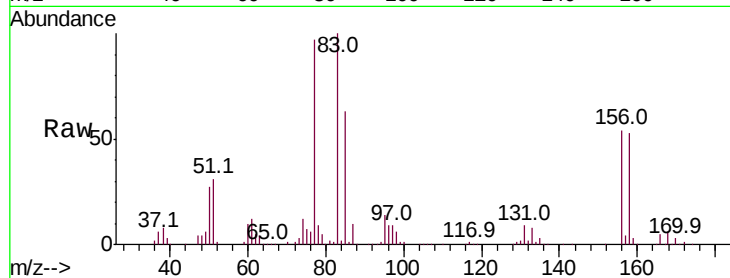
Tot Ion: 83 Resp: 263841

Ion Ratio Lower Upper

83 100

131 8.4 4.2 12.4

85 64.1 31.8 95.4

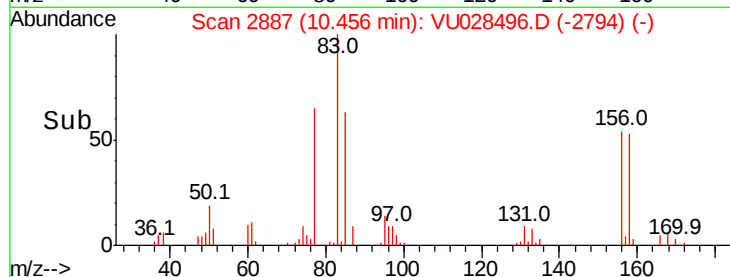


Abundance Ion 82.90 (82.60 to 83.60): VU028496.D (-2874) (-)

Ion 130.80 (130.50 to 131.50): VU028496.D (-2874) (-)

Ion 84.90 (84.60 to 85.60): VU028496.D (-2874) (-)

Time-->

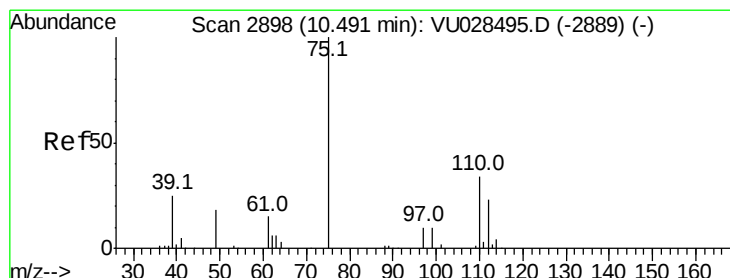


Abundance Ion 82.90 (82.60 to 83.60): VU028496.D (-2794) (-)

Ion 130.80 (130.50 to 131.50): VU028496.D (-2794) (-)

Ion 84.90 (84.60 to 85.60): VU028496.D (-2794) (-)

Time-->



#76

1,2,3-Trichloropropane

Concen: 120.091 ug/l

RT: 10.49 min Scan# 2898

Delta R.T. -0.00 min

Lab File: VU028496.D

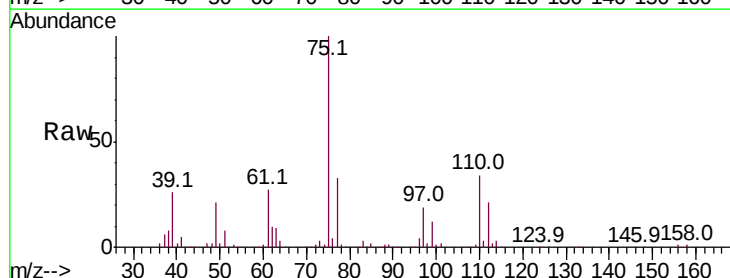
Acq: 06 Dec 2018 12:56

Tgt Ion: 75 Resp: 321187

Ion Ratio Lower Upper

75 100

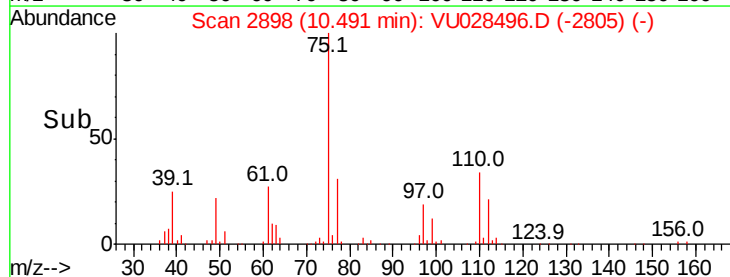
77 30.1 20.8 62.4



Abundance Ion 74.90 (74.60 to 75.60): VU028496.D (-2889) (-)

Ion 77.00 (76.70 to 77.70): VU028496.D (-2889) (-)

Time-->



Abundance Ion 74.90 (74.60 to 75.60): VU028496.D (-2805) (-)

Ion 77.00 (76.70 to 77.70): VU028496.D (-2805) (-)

Time-->



#77

Bromobenzene

Concen: 95.632 ug/l

RT: 10.45 min Scan# 2885

Delta R.T. -0.00 min

Lab File: VU028496.D

Acq: 06 Dec 2018 12:56

Instrument :

MSVOA_U

ClientSampled :

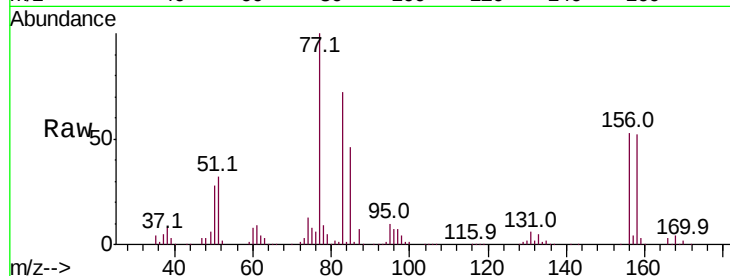
Tot Ion:156 Resp: 159103

Ion Ratio Lower Upper

156 100

77 184.9 92.4 277.2

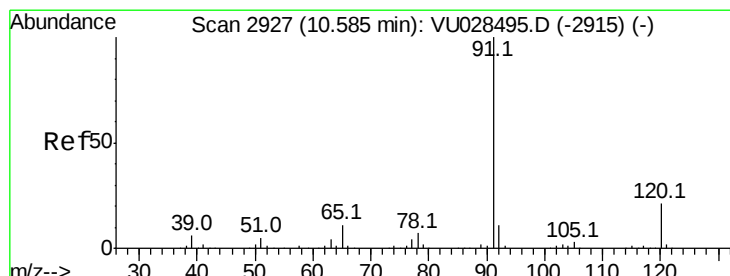
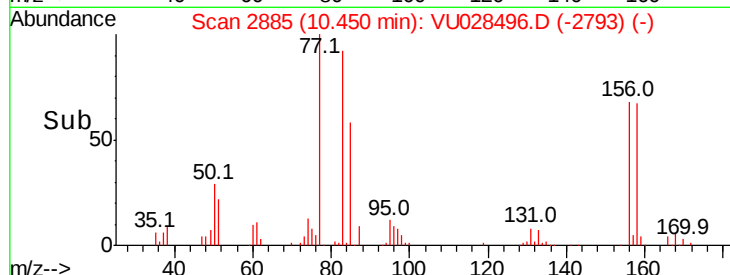
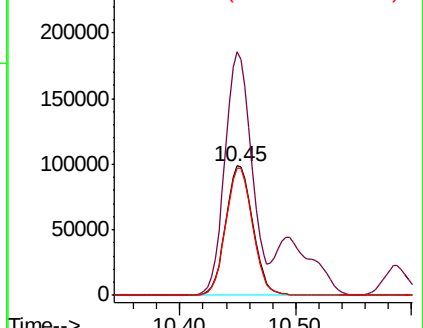
158 97.4 48.4 145.3



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: 96.453 ug/l

RT: 10.59 min Scan# 2928

Delta R.T. 0.00 min

Lab File: VU028496.D

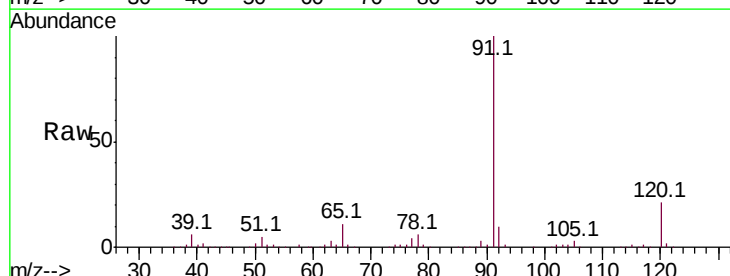
Acq: 06 Dec 2018 12:56

Tgt Ion: 91 Resp: 852583

Ion Ratio Lower Upper

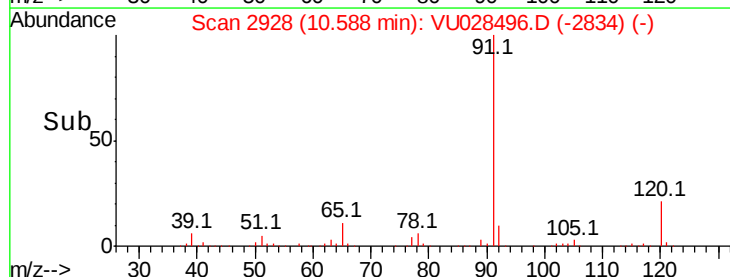
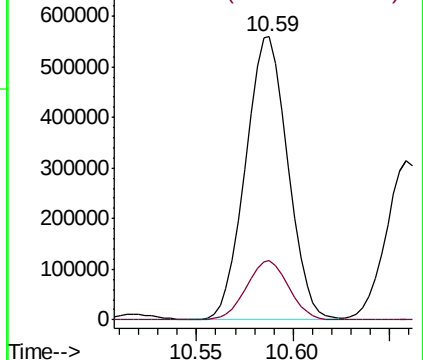
91 100

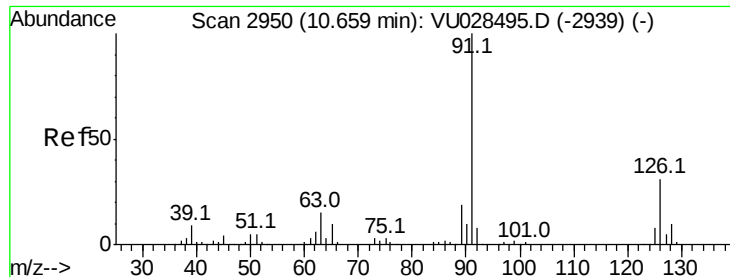
120 20.9 10.6 31.8



Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 120.00 (119.70 to 120.70): V

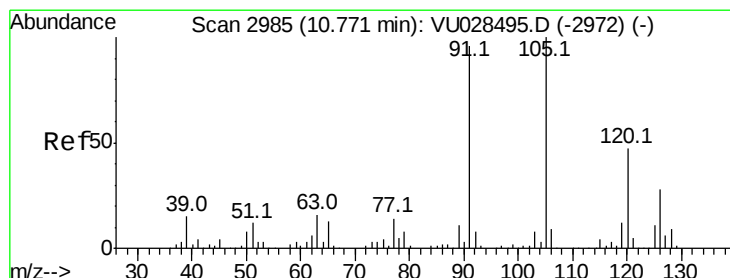
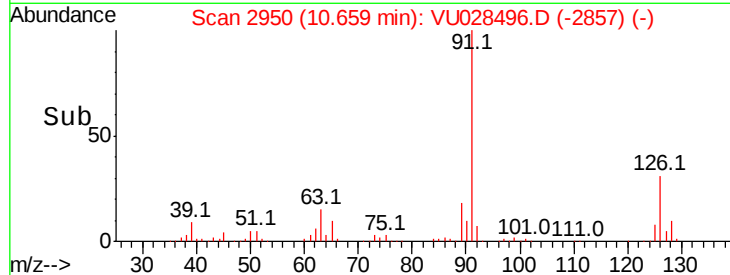
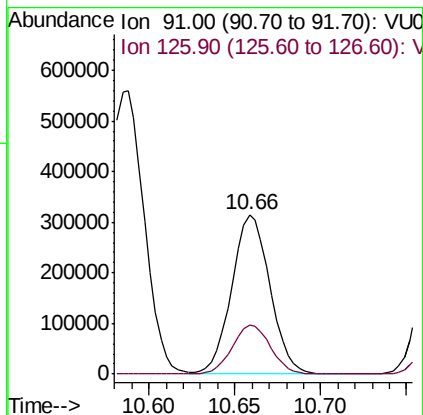
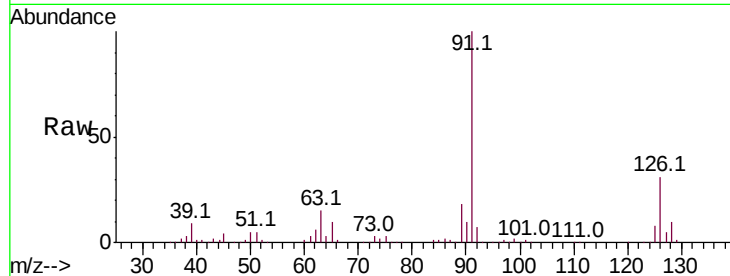




#79
 2-Chlorotoluene
 Concen: 95.427 ug/l
 RT: 10.66 min Scan# 2950
 Delta R.T. -0.00 min
 Lab File: VU028496.D
 Acq: 06 Dec 2018 12:56

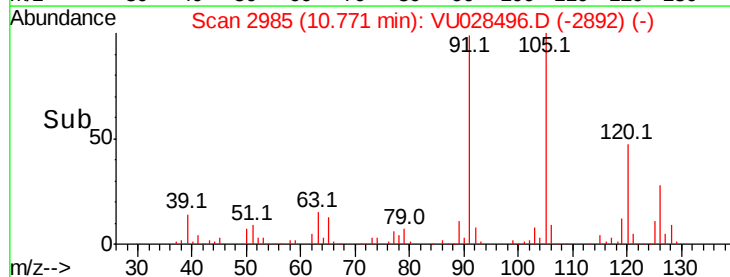
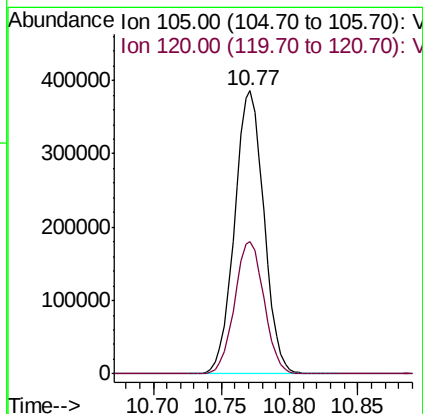
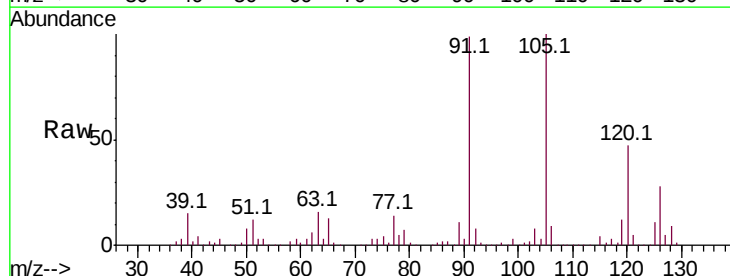
Instrument :
 MSVOA_U
 ClientSampleId :

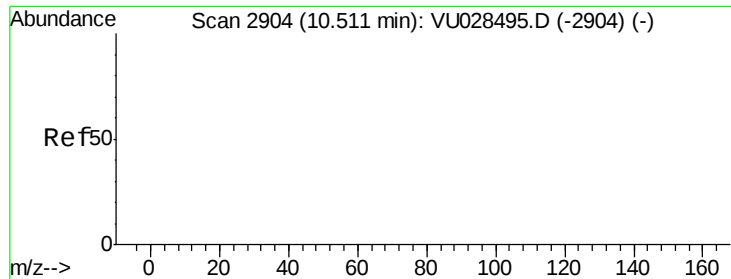
Tot Ion: 91 Resp: 485886
 Ion Ratio Lower Upper
 91 100
 126 31.2 15.6 46.8



#80
 1,3,5-Trimethylbenzene
 Concen: 97.806 ug/l
 RT: 10.77 min Scan# 2985
 Delta R.T. -0.00 min
 Lab File: VU028496.D
 Acq: 06 Dec 2018 12:56

Tgt Ion:105 Resp: 575929
 Ion Ratio Lower Upper
 105 100
 120 46.9 23.7 71.1





#81

trans-1,4-Dichloro-2-butene

Concen: 242.826 ug/l

RT: 10.49 min Scan# 2898

Delta R.T. -0.02 min

Lab File: VU028496.D

Acq: 06 Dec 2018 12:56

Instrument :

MSVOA_U

ClientSampleId :

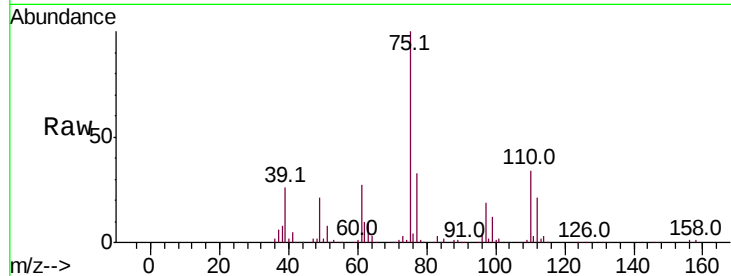
Tot Ion: 75 Resp: 321187

Ion Ratio Lower Upper

75 100

53 0.0 0.0 0.0

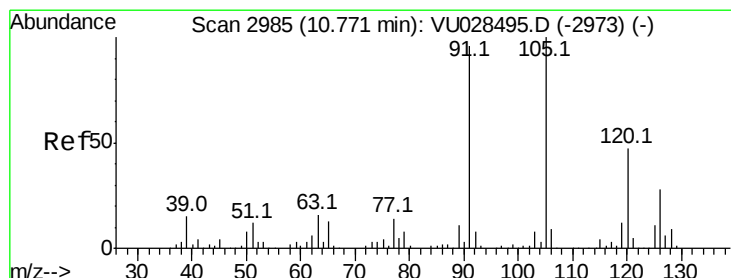
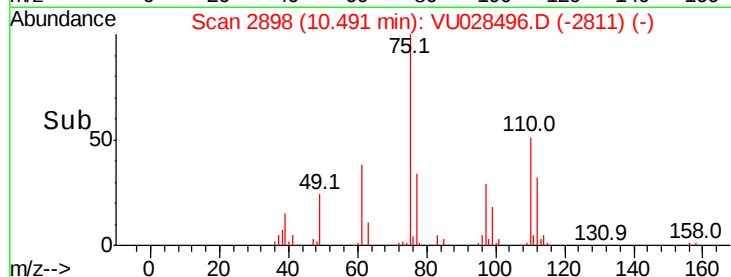
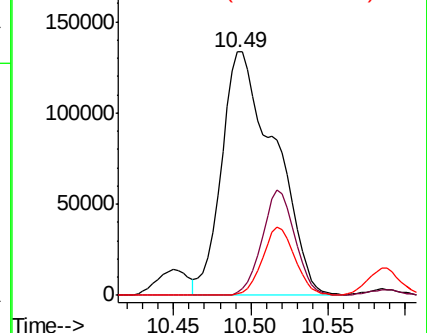
89 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 53.00 (52.70 to 53.70): VU0

Ion 88.90 (88.60 to 89.60): VU0



#82

4-Chlorotoluene

Concen: 95.680 ug/l

RT: 10.77 min Scan# 2985

Delta R.T. -0.00 min

Lab File: VU028496.D

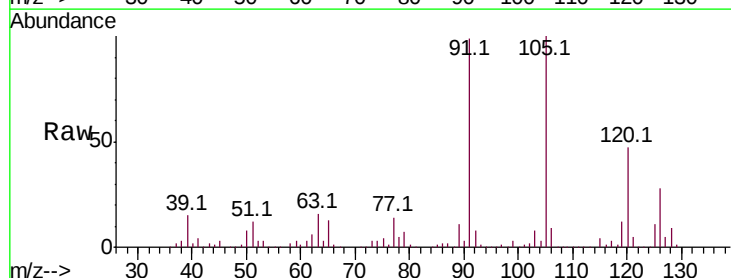
Acq: 06 Dec 2018 12:56

Tgt Ion: 91 Resp: 577308

Ion Ratio Lower Upper

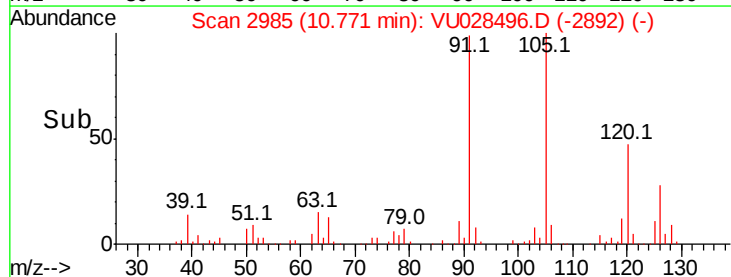
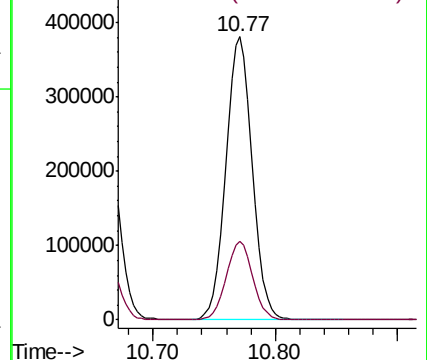
91 100

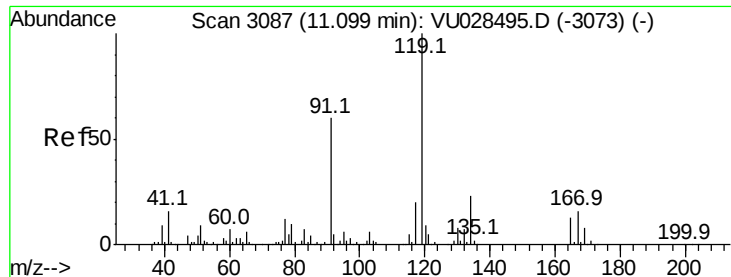
126 28.0 14.1 42.3



Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 125.90 (125.60 to 126.60): V

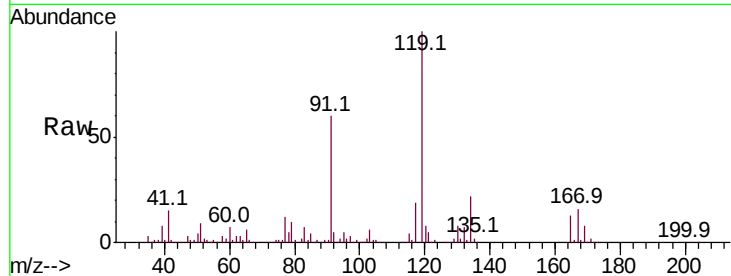




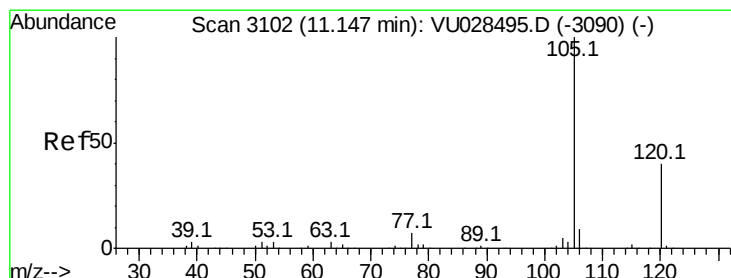
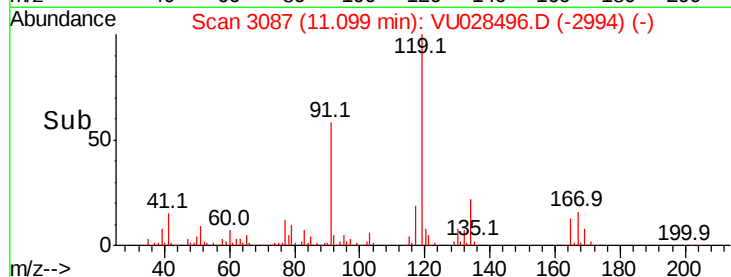
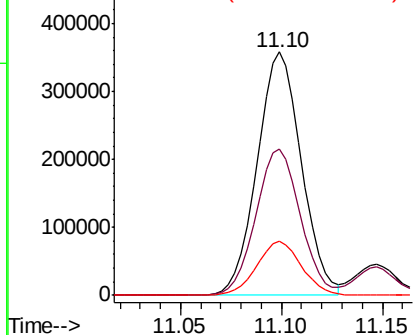
#83
tert-Butylbenzene
Concen: 96.567 ug/l
RT: 11.10 min Scan# 3087
Delta R.T. -0.00 min
Lab File: VU028496.D
Acq: 06 Dec 2018 12:56

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion:119 Resp: 548084
Ion Ratio Lower Upper
119 100
91 60.8 30.3 91.0
134 22.2 11.2 33.5

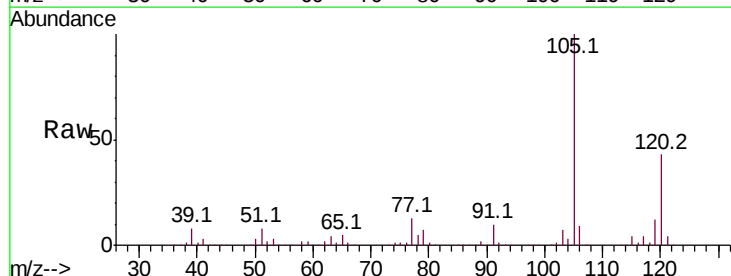


Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): V
Ion 134.00 (133.70 to 134.70): V

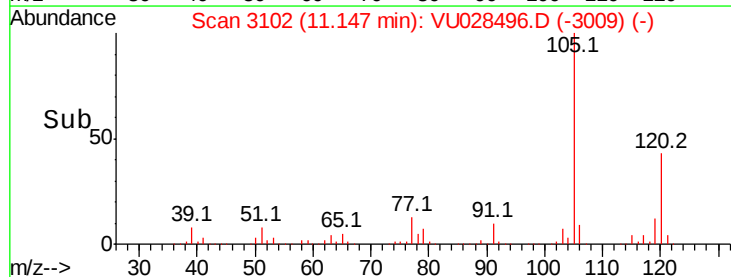
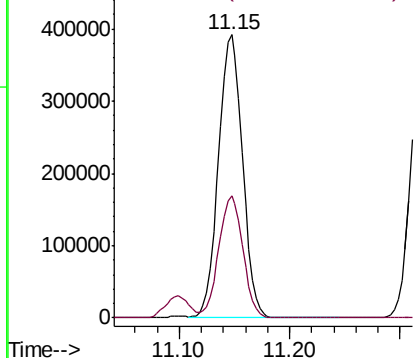


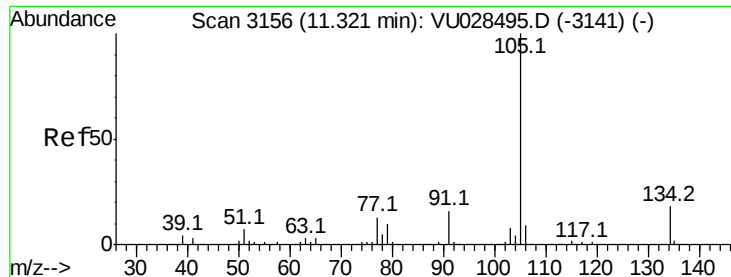
#84
1,2,4-Trimethylbenzene
Concen: 97.461 ug/l
RT: 11.15 min Scan# 3102
Delta R.T. -0.00 min
Lab File: VU028496.D
Acq: 06 Dec 2018 12:56

Tgt Ion:105 Resp: 591449
Ion Ratio Lower Upper
105 100
120 43.3 21.8 65.4



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





#85

sec-Butylbenzene

Concen: 97.046 ug/l

RT: 11.32 min Scan# 3157

Delta R.T. 0.00 min

Lab File: VU028496.D

Acq: 06 Dec 2018 12:56

Instrument :

MSVOA_U

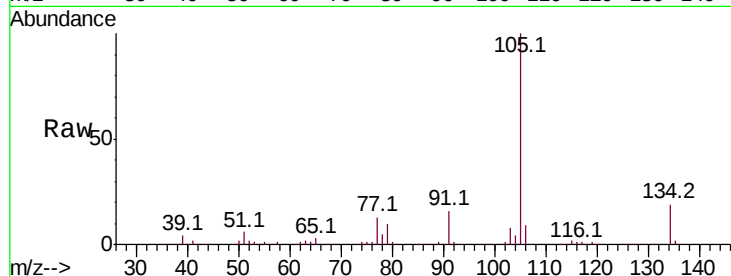
ClientSampled :

Tot Ion:105 Resp: 707603

Ion Ratio Lower Upper

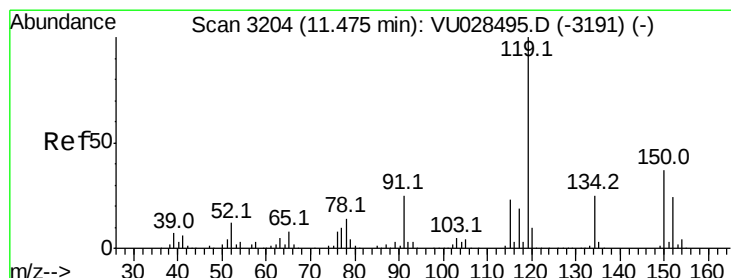
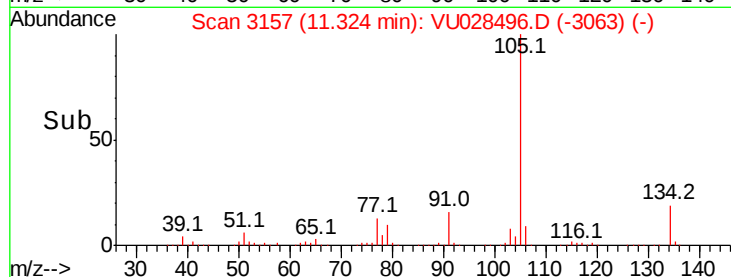
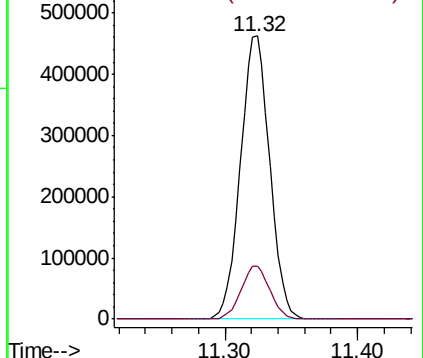
105 100

134 18.5 9.2 27.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 96.988 ug/l

RT: 11.48 min Scan# 3204

Delta R.T. -0.00 min

Lab File: VU028496.D

Acq: 06 Dec 2018 12:56

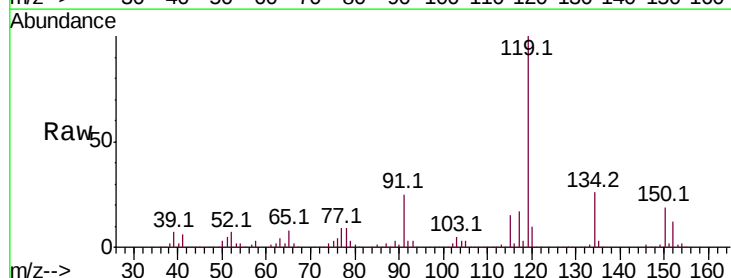
Tgt Ion:119 Resp: 600722

Ion Ratio Lower Upper

119 100

134 25.8 12.7 38.1

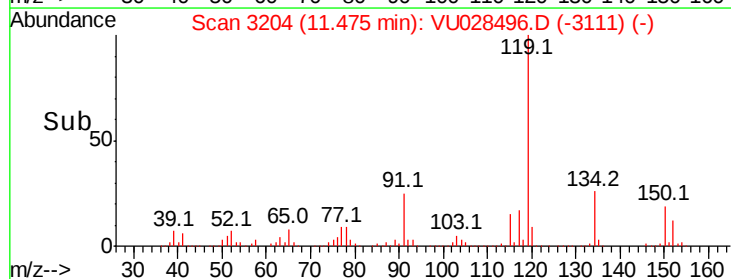
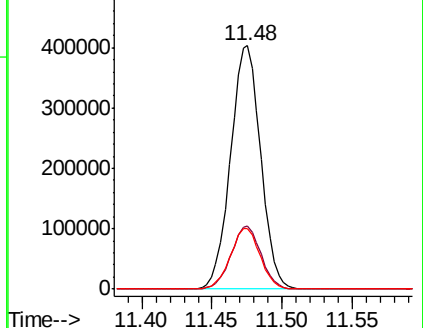
91 24.8 12.6 37.6



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VU0





#87

1,3-Dichlorobenzene

Concen: 94.860 ug/l

RT: 11.41 min Scan# 3185

Delta R.T. -0.00 min

Lab File: VU028496.D

Acq: 06 Dec 2018 12:56

Instrument :

MSVOA_U

ClientSampleId :

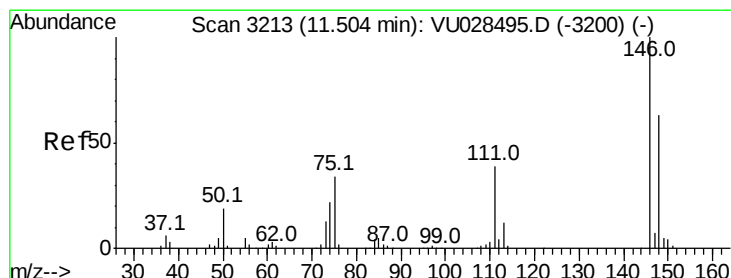
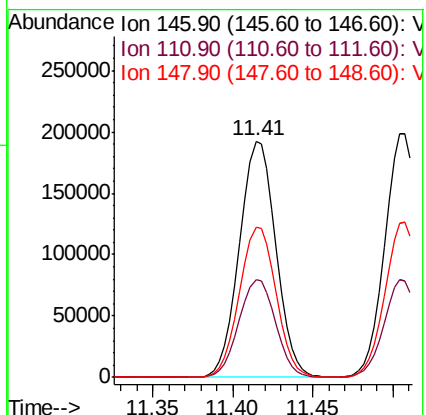
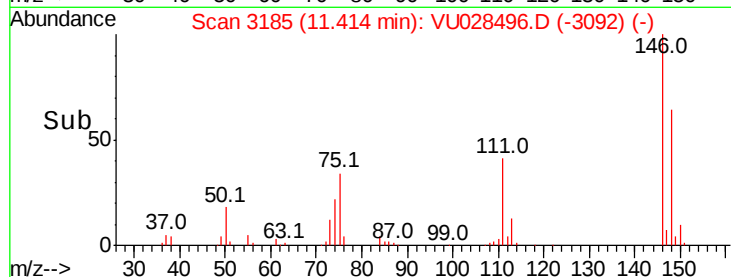
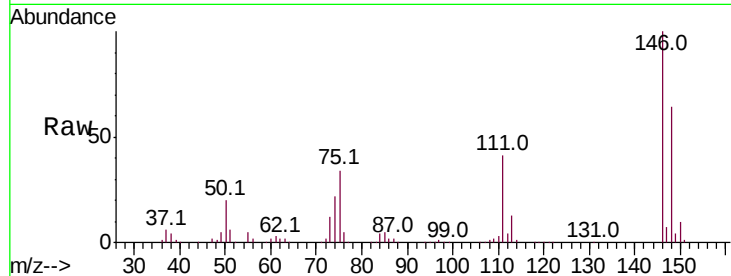
Tot Ion:146 Resp: 298005

Ion Ratio Lower Upper

146 100

111 41.6 20.7 62.1

148 64.2 31.9 95.7



#88

1,4-Dichlorobenzene

Concen: 93.680 ug/l

RT: 11.50 min Scan# 3213

Delta R.T. -0.00 min

Lab File: VU028496.D

Acq: 06 Dec 2018 12:56

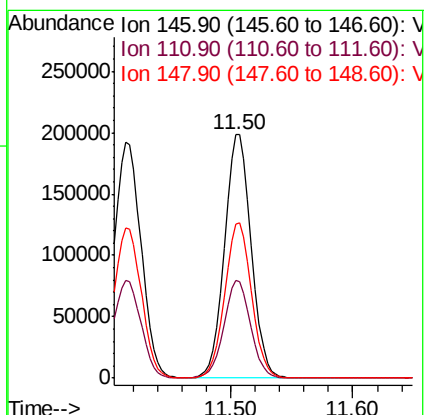
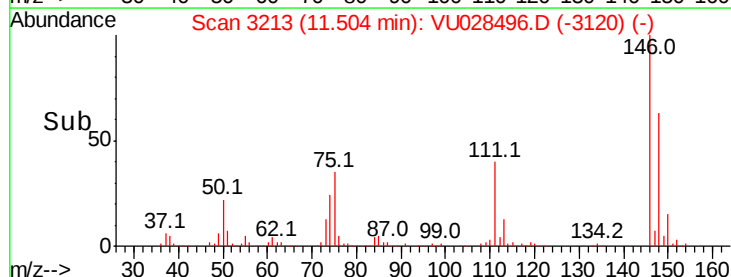
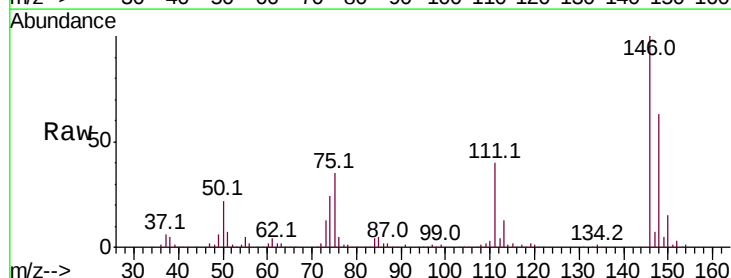
Tgt Ion:146 Resp: 304485

Ion Ratio Lower Upper

146 100

111 40.2 20.2 60.5

148 64.0 31.6 95.0

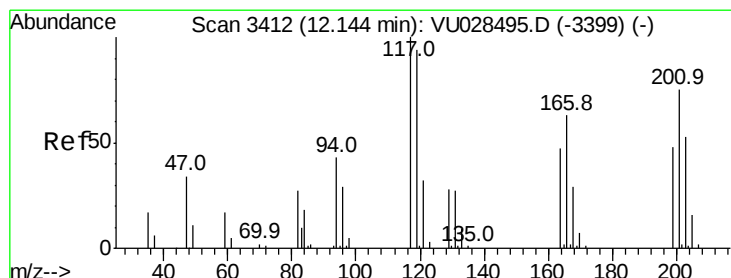
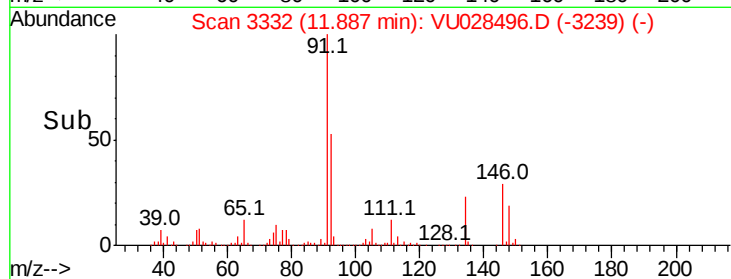
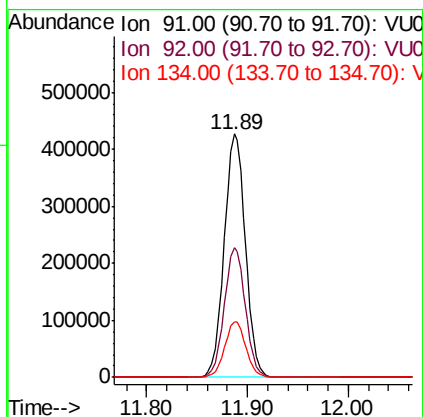
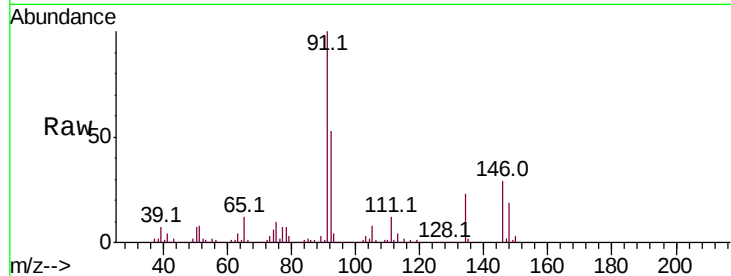




#89
n-Butylbenzene
Concen: 100.178 ug/l
RT: 11.89 min Scan# 3332
Delta R.T. -0.00 min
Lab File: VU028496.D
Acq: 06 Dec 2018 12:56

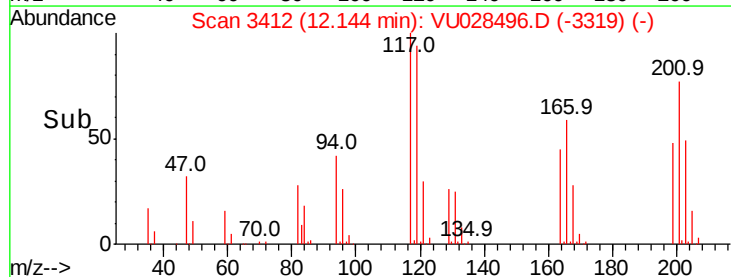
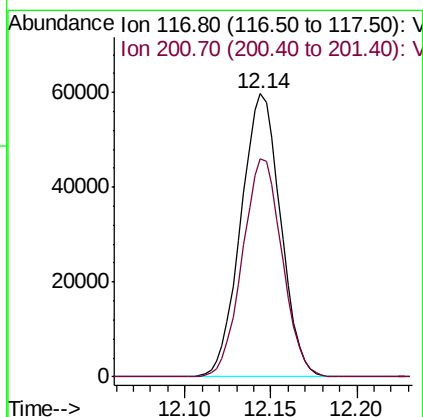
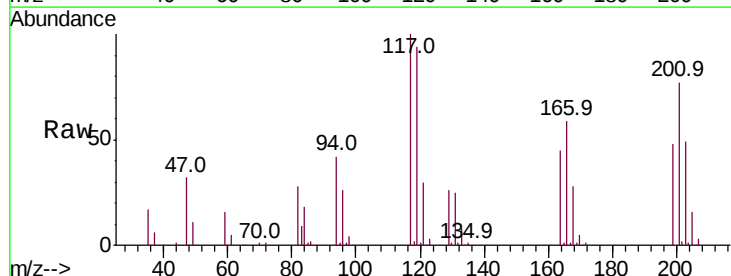
Instrument :
MSVOA_U
ClientSampleId :

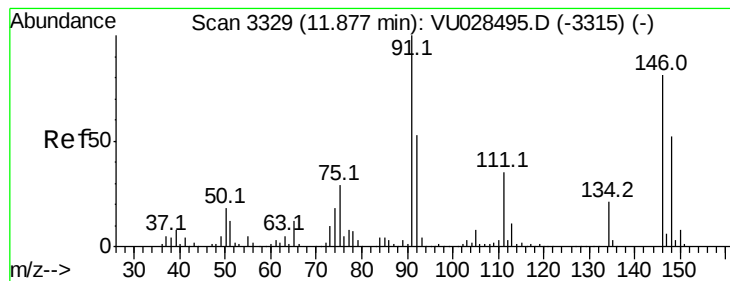
Tot Ion: 91 Resp: 627958
Ion Ratio Lower Upper
91 100
92 53.0 26.3 78.9
134 22.8 11.3 33.8



#90
Hexachloroethane
Concen: 102.270 ug/l
RT: 12.14 min Scan# 3412
Delta R.T. -0.00 min
Lab File: VU028496.D
Acq: 06 Dec 2018 12:56

Tgt Ion: 117 Resp: 95743
Ion Ratio Lower Upper
117 100
201 77.0 38.1 114.5





#91

1,2-Dichlorobenzene

Concen: 94.563 ug/l

RT: 11.88 min Scan# 3329

Delta R.T. -0.00 min

Lab File: VU028496.D

Acq: 06 Dec 2018 12:56

Instrument :

MSVOA_U

ClientSampled :

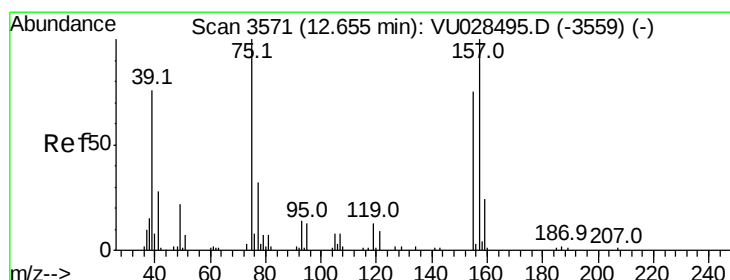
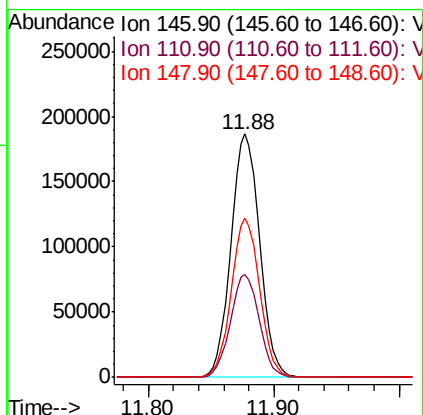
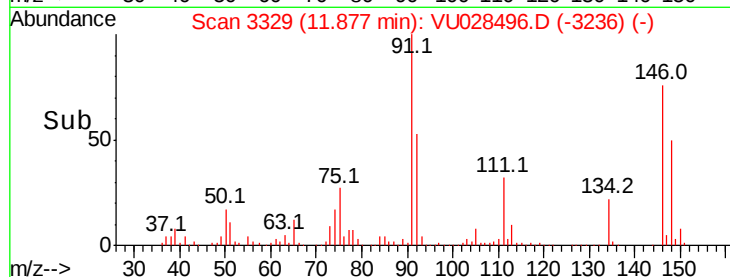
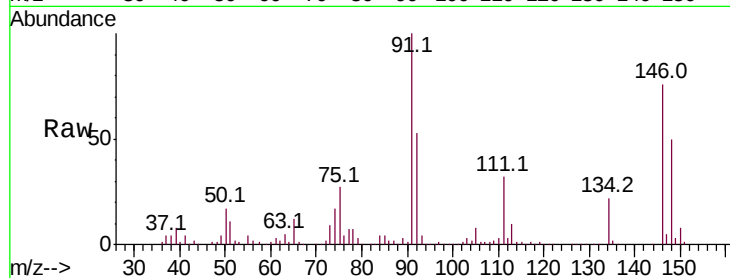
Tot Ion:146 Resp: 297155

Ion Ratio Lower Upper

146 100

111 42.2 21.1 63.4

148 64.5 31.4 94.2



#92

1,2-Dibromo-3-Chloropropane

Concen: 102.538 ug/l

RT: 12.66 min Scan# 3571

Delta R.T. -0.00 min

Lab File: VU028496.D

Acq: 06 Dec 2018 12:56

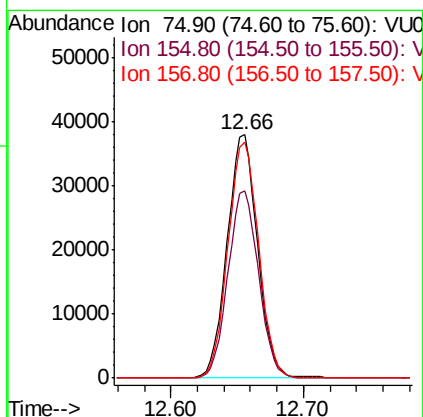
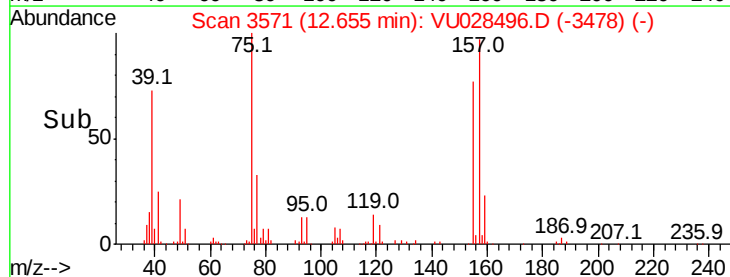
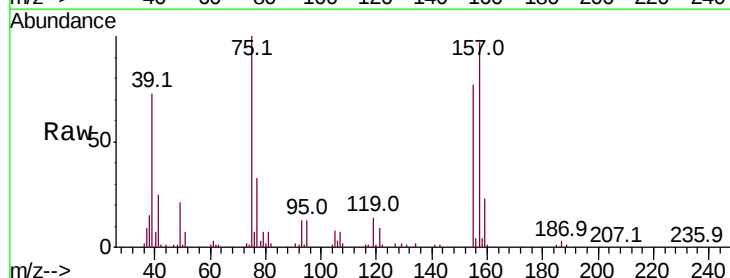
Tgt Ion: 75 Resp: 60663

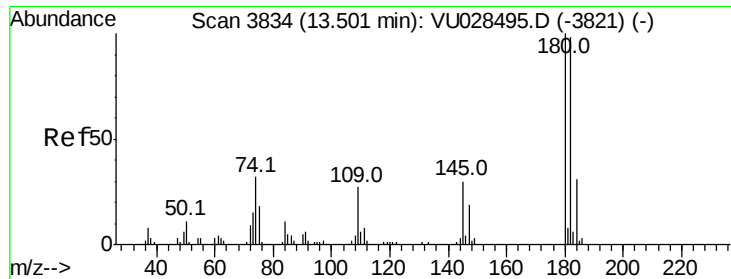
Ion Ratio Lower Upper

75 100

155 77.3 38.1 114.5

157 97.4 48.7 146.1

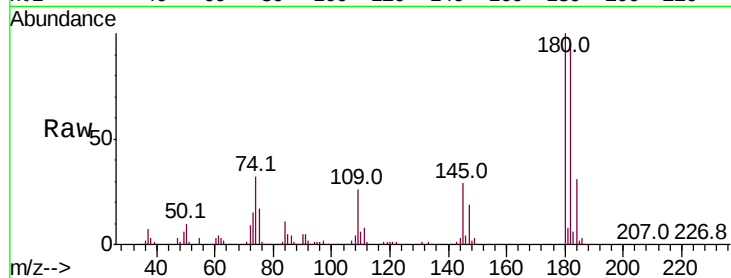




#93
 1,2,4-Trichlorobenzene
 Concen: 96.343 ug/l
 RT: 13.50 min Scan# 3834
 Delta R.T. -0.00 min
 Lab File: VU028496.D
 Acq: 06 Dec 2018 12:56

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.5	47.9	143.8
145	29.7	15.0	45.1

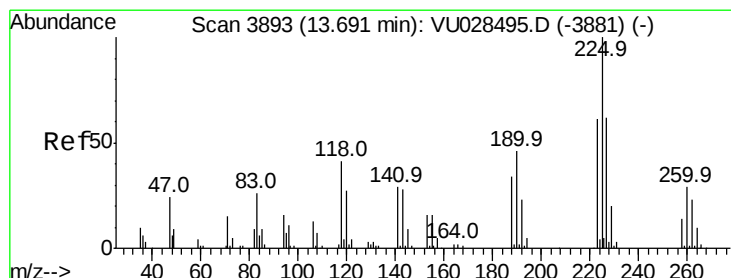
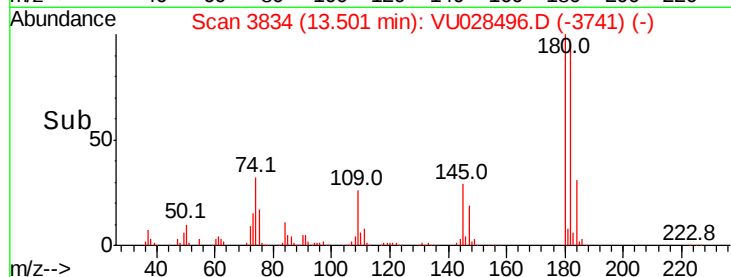
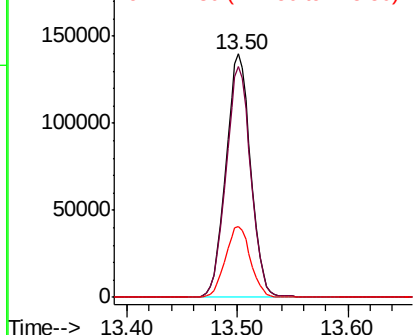


Abundance

Ion 179.80 (179.50 to 180.50): V

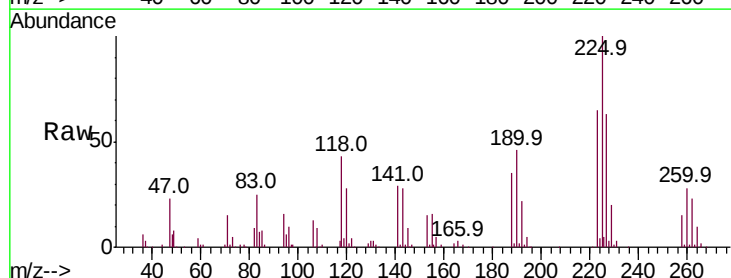
Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#94
 Hexachlorobutadiene
 Concen: 93.459 ug/l
 RT: 13.69 min Scan# 3893
 Delta R.T. -0.00 min
 Lab File: VU028496.D
 Acq: 06 Dec 2018 12:56

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.9	30.4	91.2
227	63.3	30.7	92.1

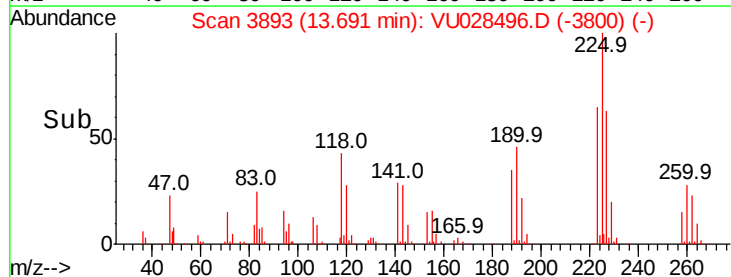
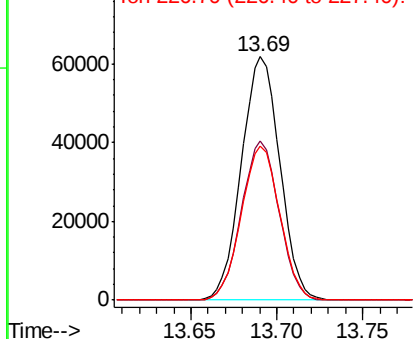


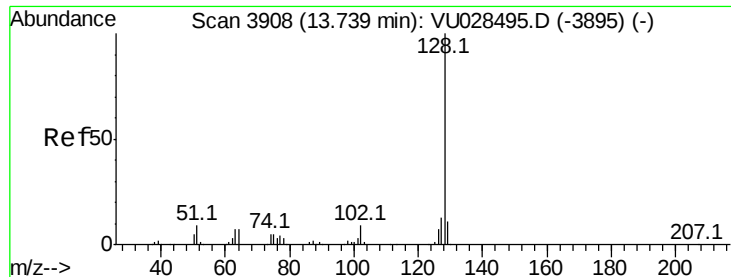
Abundance

Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V

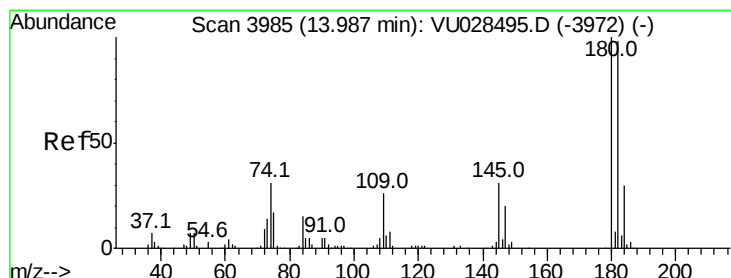
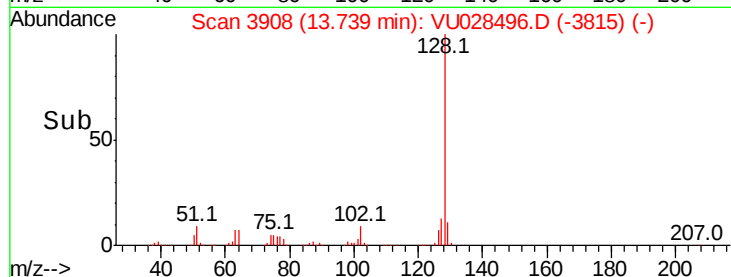
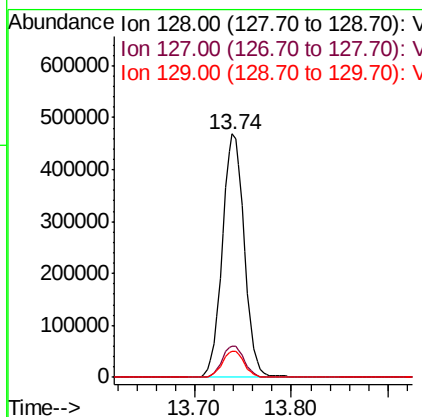
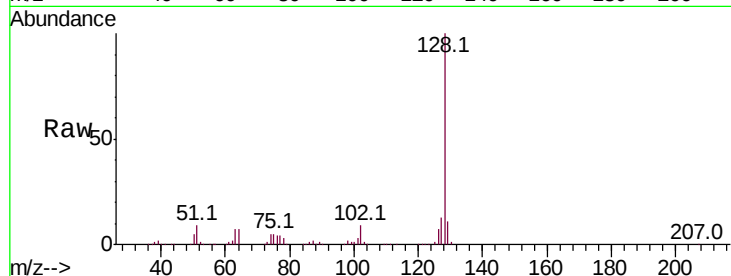




#95
Naphthalene
Concen: 97.837 ug/l
RT: 13.74 min Scan# 3908
Delta R.T. -0.00 min
Lab File: VU028496.D
Acq: 06 Dec 2018 12:56

Instrument :
MSVOA_U
ClientSampled :

Tot Ion:128 Resp: 737739
Ion Ratio Lower Upper
128 100
127 13.2 10.4 15.6
129 10.7 8.6 13.0



#96
1,2,3-Trichlorobenzene
Concen: 94.644 ug/l
RT: 13.98 min Scan# 3984
Delta R.T. -0.00 min
Lab File: VU028496.D
Acq: 06 Dec 2018 12:56

Tgt Ion:180 Resp: 214517
Ion Ratio Lower Upper
180 100
182 95.5 48.2 144.6
145 31.3 15.8 47.3

