

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU120618\
 Data File : VU028517.D
 Acq On : 06 Dec 2018 21:36
 Operator : MD/SY
 Sample : J6252-03MS
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Dec 07 06:18:07 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U120618W.M
 Quant Title : SW846 8260
 QLast Update : Fri Dec 07 00:39:42 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.98	168	90443	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	162786	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	155277	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	78709	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.31	65	74809	54.20	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.40%	
35) Dibromofluoromethane	4.88	113	54682	53.38	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.76%	
50) Toluene-d8	7.57	98	218919	54.02	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.04%	
62) 4-Bromofluorobenzene	10.30	95	81063	53.52	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.04%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.21	85	61684	50.883	ug/l	99
3) Chloromethane	1.33	50	111438	50.001	ug/l	100
4) Vinyl Chloride	1.41	62	82726	51.434	ug/l	100
5) Bromomethane	1.62	94	31144	48.069	ug/l	96
6) Chloroethane	1.70	64	47403	52.060	ug/l	99
7) Trichlorofluoromethane	1.89	101	86602	51.177	ug/l	98
8) Diethyl Ether	2.10	74	38646	48.813	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	2.29	101	49874	49.280	ug/l	98
10) Methyl Iodide	2.41	142	41235	51.926	ug/l	100
11) Tert butyl alcohol	2.82	59	76856	249.932	ug/l	99
12) 1,1-Dichloroethene	2.29	96	50035	49.688	ug/l	96
13) Acrolein	2.20	56	61501	250.879	ug/l	100
14) Allyl chloride	2.59	41	118552	49.766	ug/l	98
15) Acrylonitrile	2.94	53	229727	269.084	ug/l	99
16) Acetone	2.32	43	179702	199.523	ug/l	100
17) Carbon Disulfide	2.48	76	179794	49.562	ug/l	99
18) Methyl Acetate	2.61	43	123076	52.715	ug/l	98
19) Methyl tert-butyl Ether	3.00	73	196435	51.459	ug/l	98
20) Methylene Chloride	2.70	84	64309	48.436	ug/l	99
21) trans-1,2-Dichloroethene	2.98	96	56579	49.903	ug/l	98
22) Diisopropyl ether	3.57	45	245625	53.022	ug/l	99
23) Vinyl Acetate	3.52	43	983623	257.418	ug/l	99
24) 1,1-Dichloroethane	3.45	63	124040	51.152	ug/l	99
25) 2-Butanone	4.26	43	311433	253.026	ug/l	100
26) 2,2-Dichloropropane	4.23	77	90837	47.276	ug/l	100
27) cis-1,2-Dichloroethene	4.23	96	64868	50.549	ug/l	100
28) Bromochloromethane	4.55	49	61804	56.064	ug/l	96
29) Tetrahydrofuran	4.64	42	215474	272.582	ug/l	98
30) Chloroform	4.67	83	108918	51.535	ug/l	98
31) Cyclohexane	5.00	56	122376	51.756	ug/l	98
32) 1,1,1-Trichloroethane	4.92	97	89351	50.903	ug/l	98
36) 1,1-Dichloropropene	5.14	75	87612	49.183	ug/l	100
37) Ethyl Acetate	4.38	43	117231	50.909	ug/l	99
38) Carbon Tetrachloride	5.13	117	71655	49.907	ug/l	98

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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.41	83	103086	47.435	ug/l	98
40) Benzene	5.39	78	263603	50.244	ug/l	97
41) Methacrylonitrile	4.54	41	68510	54.326	ug/l	98
42) 1,2-Dichloroethane	5.40	62	93051	50.669	ug/l	99
43) Isopropyl Acetate	5.55	43	187935	51.599	ug/l	98
44) Trichloroethene	6.19	130	56967	48.834	ug/l	98
45) 1,2-Dichloropropane	6.43	63	74792	50.695	ug/l	98
46) Dibromomethane	6.56	93	44098	50.377	ug/l	100
47) Bromodichloromethane	6.76	83	84600	49.665	ug/l	98
48) Methyl methacrylate	6.62	41	96555	53.307	ug/l	98
49) 1,4-Dioxane	6.61	88	27874	974.617	ug/l	97
51) 4-Methyl-2-Pentanone	7.46	43	600712	261.496	ug/l	99
52) Toluene	7.64	92	154985	50.195	ug/l	100
53) t-1,3-Dichloropropene	7.88	75	101810	50.184	ug/l	99
54) cis-1,3-Dichloropropene	7.27	75	107680	48.923	ug/l	98
55) 1,1,2-Trichloroethane	8.06	97	61688	50.542	ug/l	96
56) Ethyl methacrylate	8.02	69	107218	51.298	ug/l	98
57) 1,3-Dichloropropane	8.24	76	113951	50.295	ug/l	100
59) 2-Hexanone	8.36	43	452845	248.708	ug/l	100
60) Dibromochloromethane	8.48	129	58610	49.047	ug/l	99
61) 1,2-Dibromoethane	8.58	107	65593	51.248	ug/l	99
64) Tetrachloroethene	8.23	164	46475	44.872	ug/l	98
65) Chlorobenzene	9.12	112	158983	48.049	ug/l	99
66) 1,1,1,2-Tetrachloroethane	9.21	131	53319	50.462	ug/l	98
67) Ethyl Benzene	9.25	91	294313	48.386	ug/l	100
68) m/p-Xylenes	9.37	106	216965	98.027	ug/l	99
69) o-Xylene	9.78	106	105936	49.252	ug/l	100
70) Stvrene	9.79	104	173632	48.779	ug/l	99
71) Bromoform	9.96	173	43566	48.469	ug/l #	98
73) Isopropylbenzene	10.16	105	278506	46.113	ug/l	100
74) N-amyl acetate	10.01	43	160302	46.013	ug/l	100
75) 1,1,2,2-Tetrachloroethane	10.46	83	111672	48.133	ug/l	100
76) 1,2,3-Trichloropropane	10.49	75	132893	66.121	ug/l	82
77) Bromobenzene	10.45	156	65009	46.024	ug/l	98
78) n-propylbenzene	10.58	91	349354	46.551	ug/l	99
79) 2-Chlorotoluene	10.66	91	202742	46.899	ug/l	99
80) 1,3,5-Trimethylbenzene	10.77	105	235857	47.177	ug/l	99
81) trans-1,4-Dichloro-2-buten	10.49	75	132893	161.390	ug/l #	100
82) 4-Chlorotoluene	10.77	91	235689	46.008	ug/l	100
83) tert-Butylbenzene	11.10	119	222775	46.231	ug/l	100
84) 1,2,4-Trimethylbenzene	11.15	105	239309	46.447	ug/l	100
85) sec-Butylbenzene	11.32	105	289028	46.689	ug/l	100
86) p-Isopropyltoluene	11.47	119	238961	45.442	ug/l	100
87) 1,3-Dichlorobenzene	11.41	146	119374	44.756	ug/l	99
88) 1,4-Dichlorobenzene	11.50	146	121146	43.901	ug/l	100
89) n-Butylbenzene	11.89	91	242420	45.551	ug/l	100
90) Hexachloroethane	12.14	117	38084	47.915	ug/l	99
91) 1,2-Dichlorobenzene	11.88	146	119188	44.674	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	12.66	75	24158	48.096	ug/l	98
93) 1,2,4-Trichlorobenzene	13.50	180	82195	44.921	ug/l	100

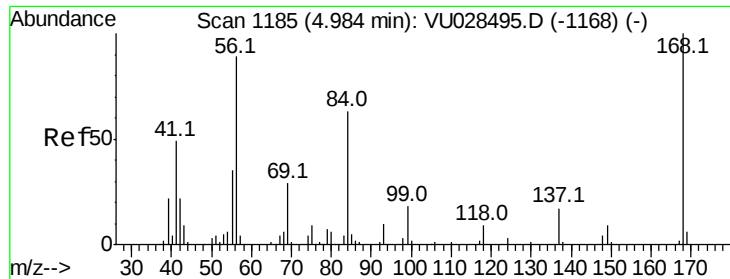
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Quant Title : SW846 8260
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) Hexachlorobutadiene	13.69	225	36960	42.292	ug/l	97
95) Naphthalene	13.74	128	290864	45.433	ug/l	100
96) 1,2,3-Trichlorobenzene	13.98	180	83195	45.609	ug/l	100

(#) = 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: VU028517.D

Acq: 06 Dec 2018 21:36

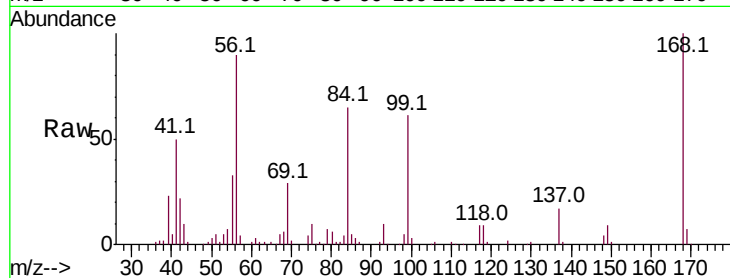
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion:168 Resp: 90443

Ion Ratio Lower Upper

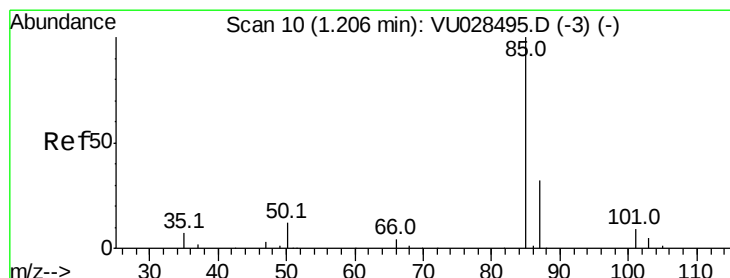
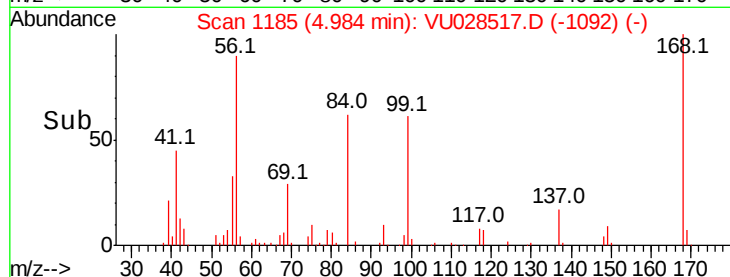
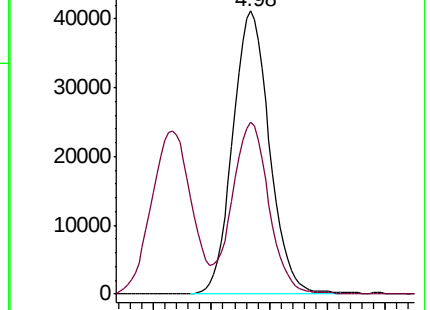
168 100

99 60.6 46.6 69.8



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

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



#2

Dichlorodifluoromethane

Concen: 50.883 ug/l

RT: 1.21 min Scan# 10

Delta R.T. -0.00 min

Lab File: VU028517.D

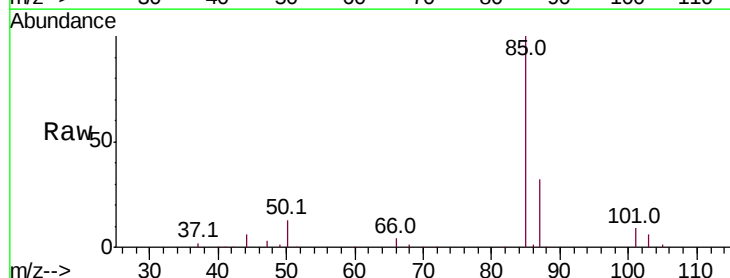
Acq: 06 Dec 2018 21:36

Tgt Ion: 85 Resp: 61684

Ion Ratio Lower Upper

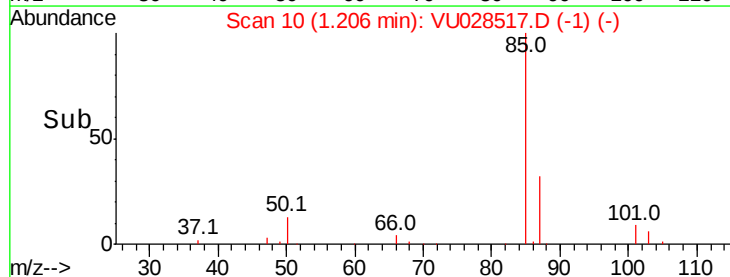
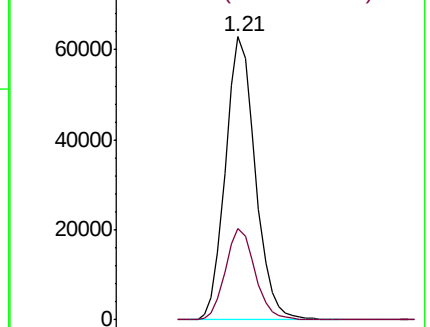
85 100

87 32.2 15.9 47.6



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

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





#3

Chloromethane

Concen: 50.001 ug/l

RT: 1.33 min Scan# 48

Delta R.T. -0.00 min

Lab File: VU028517.D

Acq: 06 Dec 2018 21:36

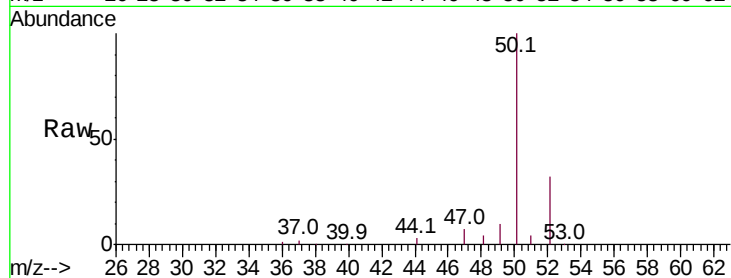
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 50 Resp: 111438

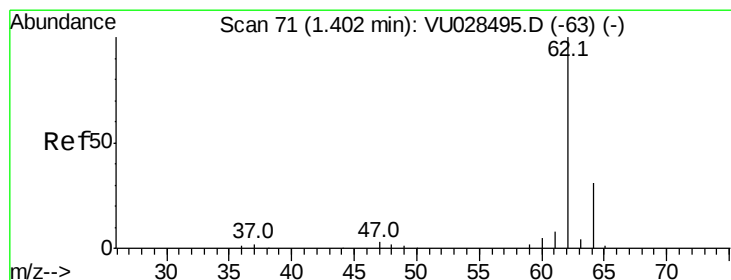
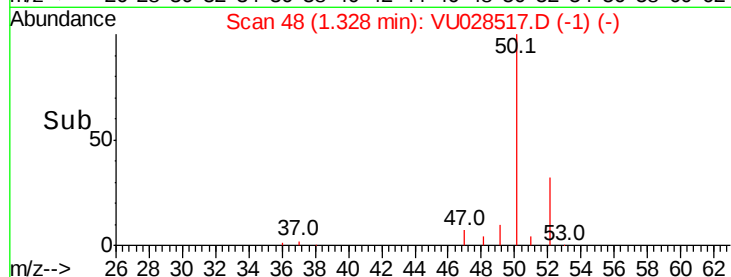
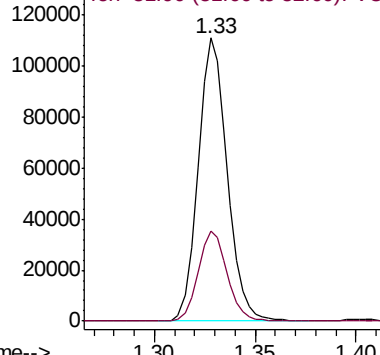
Ion Ratio Lower Upper

50 100

52 31.8 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: 51.434 ug/l

RT: 1.41 min Scan# 72

Delta R.T. 0.00 min

Lab File: VU028517.D

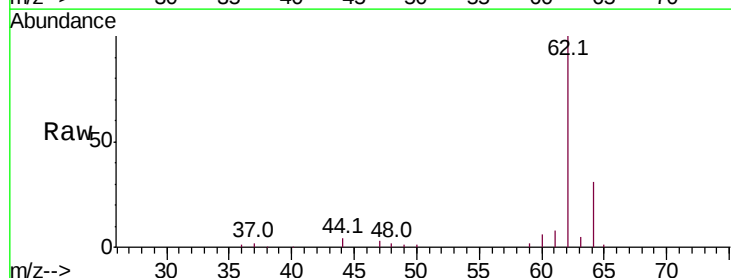
Acq: 06 Dec 2018 21:36

Tgt Ion: 62 Resp: 82726

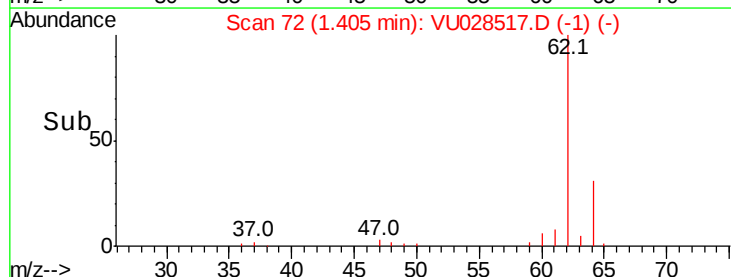
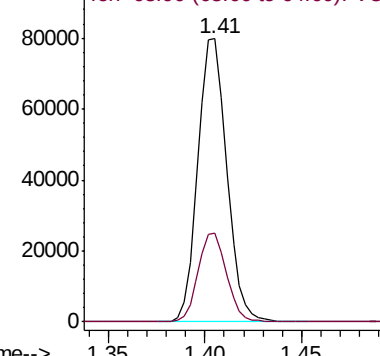
Ion Ratio Lower Upper

62 100

64 31.2 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: 48.069 ug/l

RT: 1.62 min Scan# 140

Delta R.T. 0.00 min

Lab File: VU028517.D

Acq: 06 Dec 2018 21:36

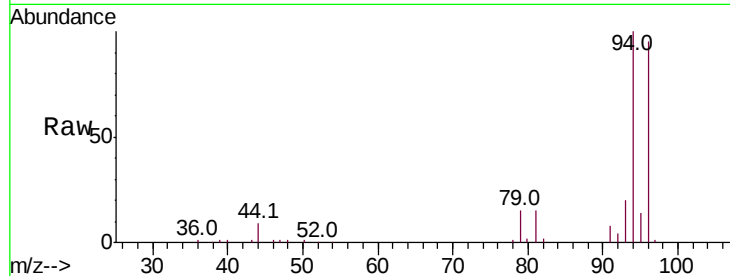
Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 94 Resp: 31144

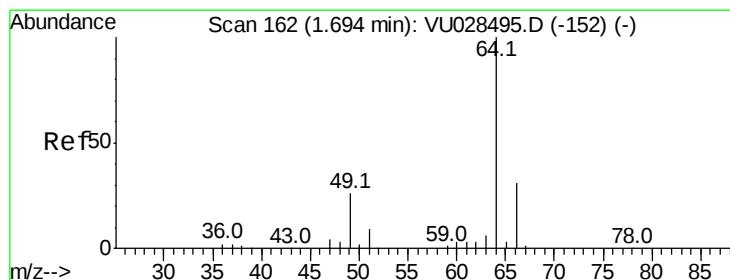
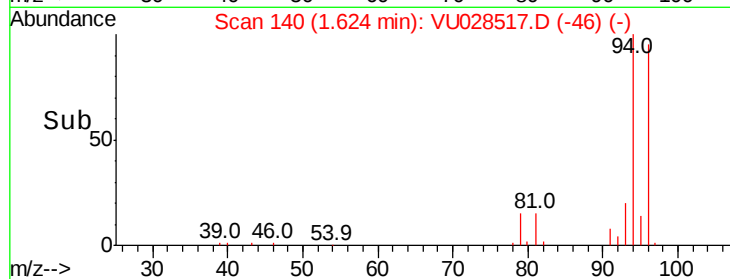
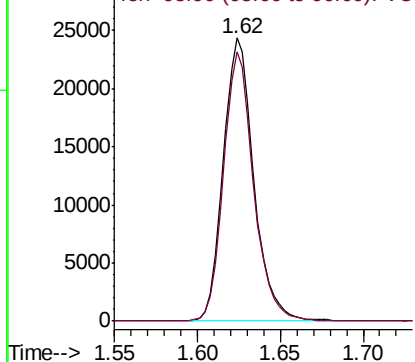
Ion Ratio Lower Upper

94 100

96 95.3 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: 52.060 ug/l

RT: 1.70 min Scan# 163

Delta R.T. 0.00 min

Lab File: VU028517.D

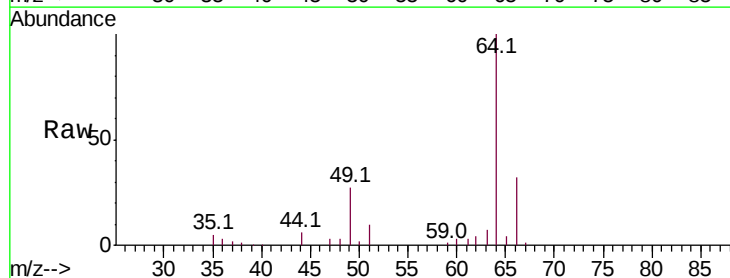
Acq: 06 Dec 2018 21:36

Tgt Ion: 64 Resp: 47403

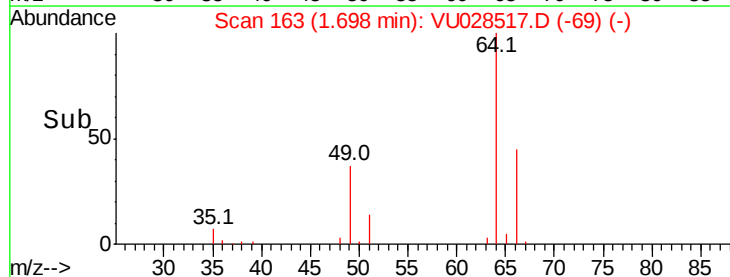
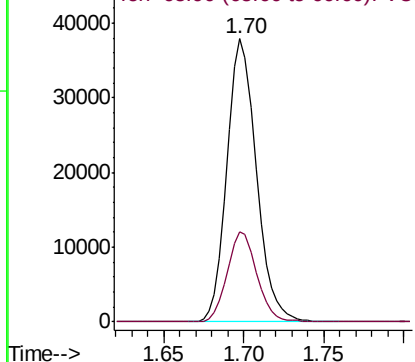
Ion Ratio Lower Upper

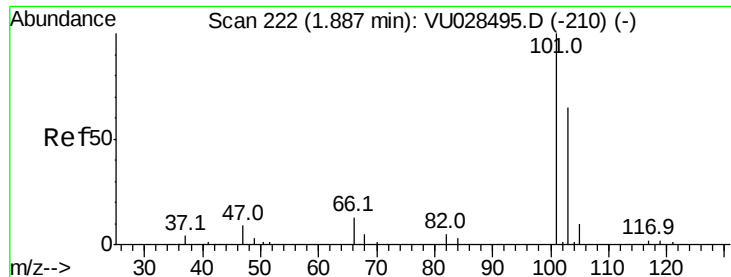
64 100

66 32.1 25.0 37.6



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



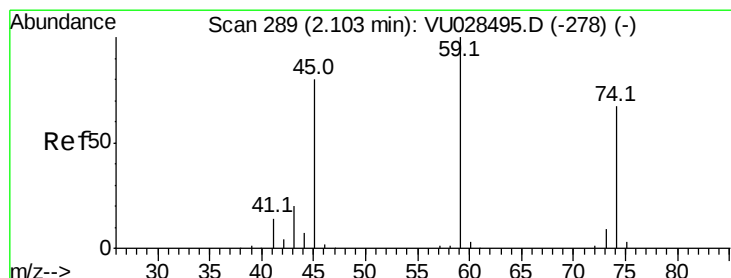
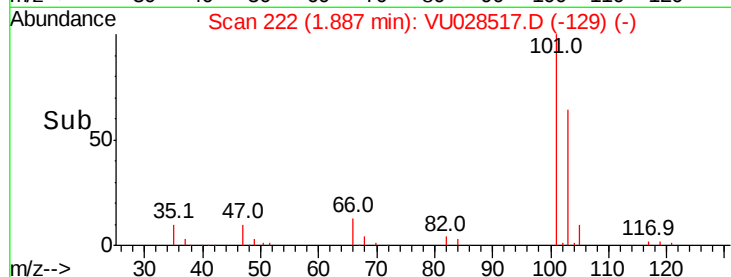
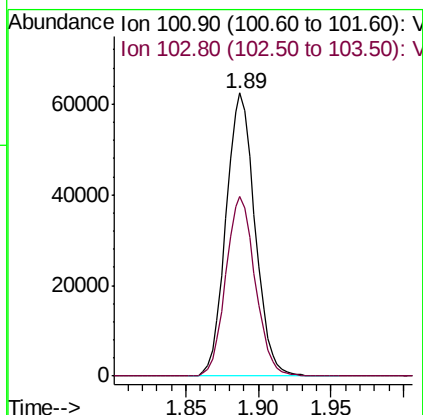
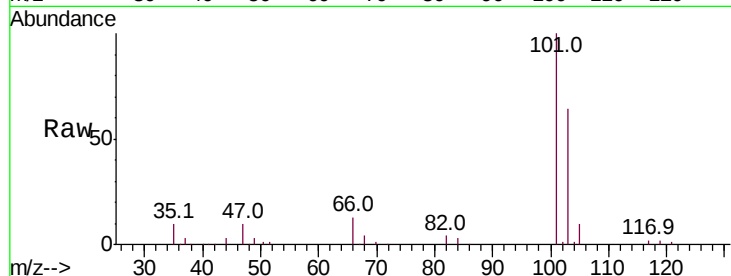


#7

Trichlorofluoromethane
Concen: 51.177 ug/l
RT: 1.89 min Scan# 222
Delta R.T. -0.00 min
Lab File: VU028517.D
Acq: 06 Dec 2018 21:36

Instrument :
MSVOA_U
ClientSampleId :

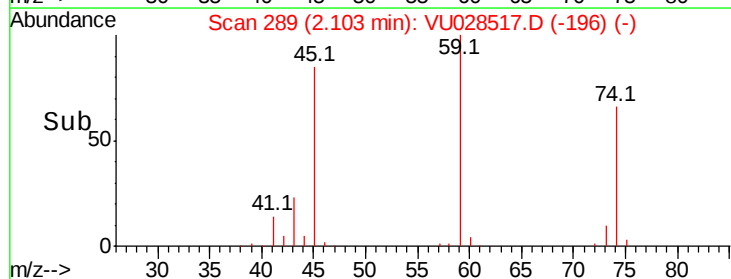
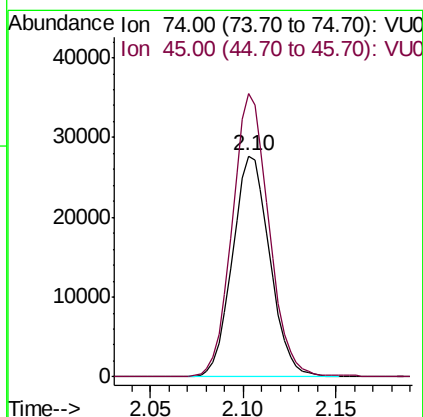
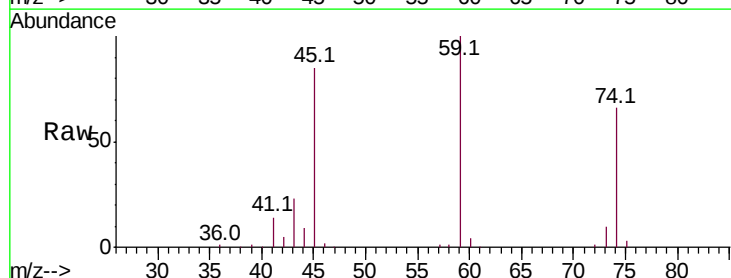
Tot Ion:101 Resp: 86602
Ion Ratio Lower Upper
101 100
103 63.6 52.3 78.5



#8

Diethyl Ether
Concen: 48.813 ug/l
RT: 2.10 min Scan# 289
Delta R.T. 0.00 min
Lab File: VU028517.D
Acq: 06 Dec 2018 21:36

Tgt Ion: 74 Resp: 38646
Ion Ratio Lower Upper
74 100
45 126.5 59.7 179.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 49.280 ug/l

RT: 2.29 min Scan# 347

Delta R.T. 0.00 min

Lab File: VU028517.D

Acq: 06 Dec 2018 21:36

Instrument :

MSVOA_U

ClientSampleId :

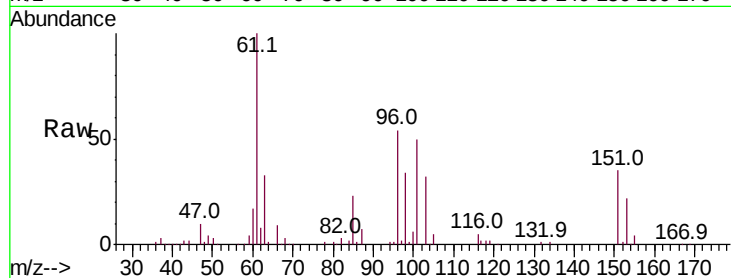
Tot Ion:101 Resp: 49874

Ion Ratio Lower Upper

101 100

85 46.2 36.4 54.6

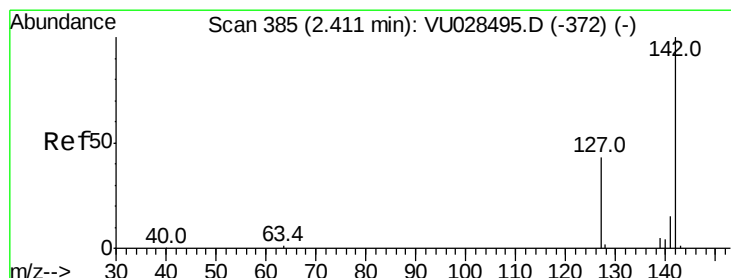
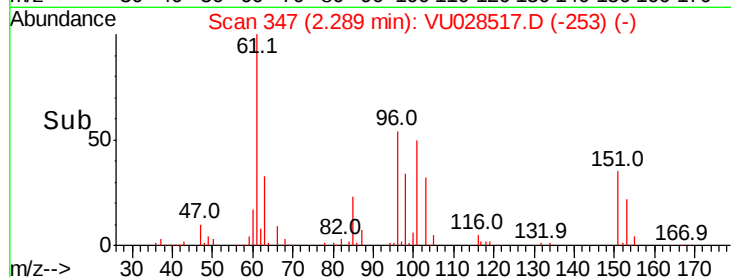
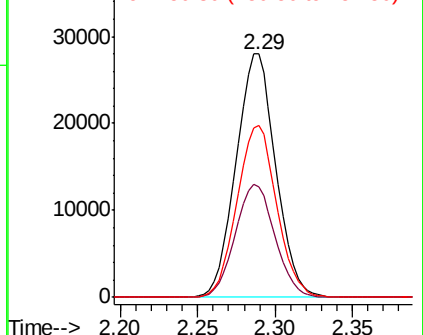
151 70.7 58.2 87.2



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: 51.926 ug/l

RT: 2.41 min Scan# 385

Delta R.T. 0.00 min

Lab File: VU028517.D

Acq: 06 Dec 2018 21:36

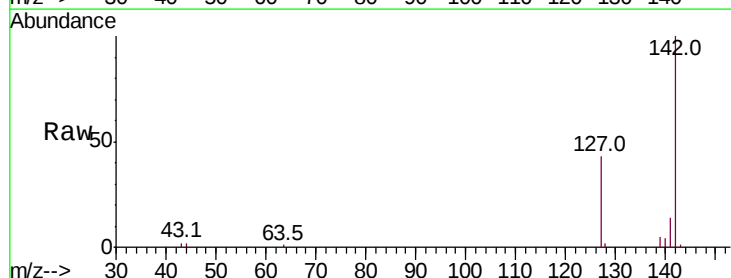
Tgt Ion:142 Resp: 41235

Ion Ratio Lower Upper

142 100

127 41.9 33.5 50.3

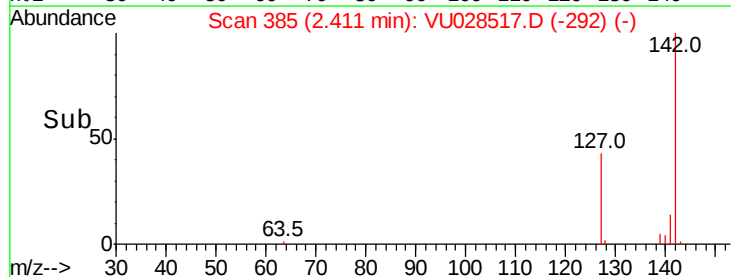
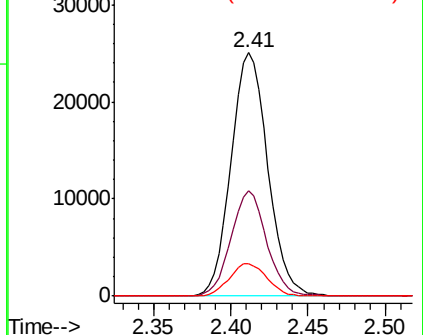
141 13.6 11.2 16.8



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



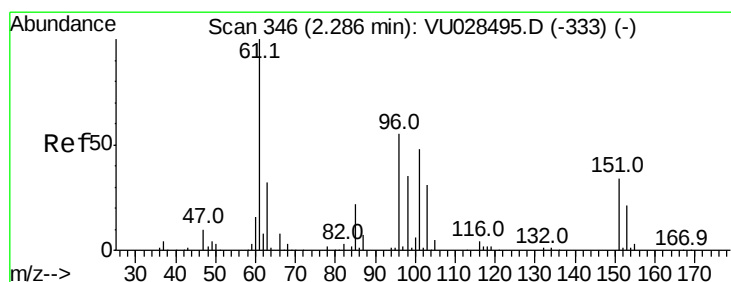
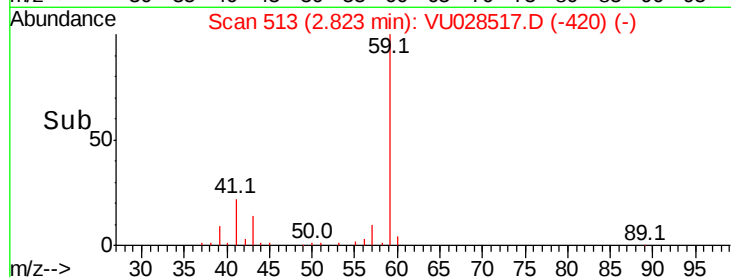
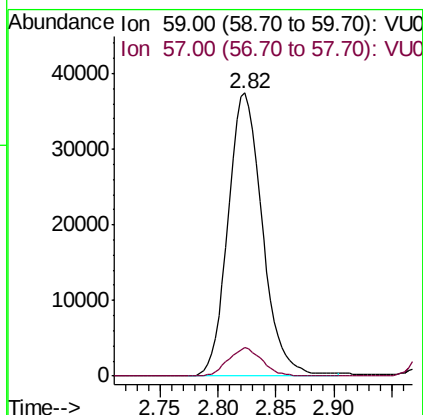
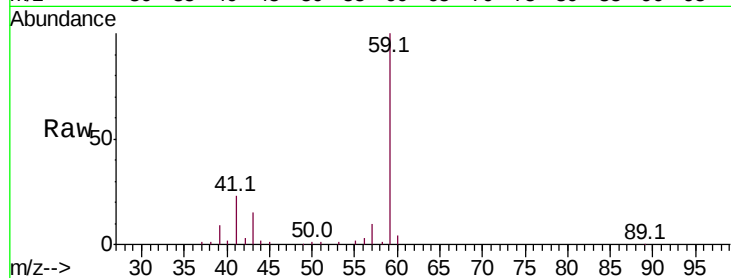


#11

Tert butyl alcohol
 Concen: 249.932 ug/l
 RT: 2.82 min Scan# 513
 Delta R.T. -0.00 min
 Lab File: VU028517.D
 Acq: 06 Dec 2018 21:36

Instrument :
 MSVOA_U
 ClientSampleId :

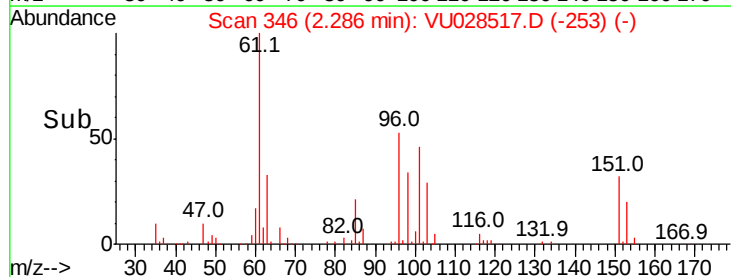
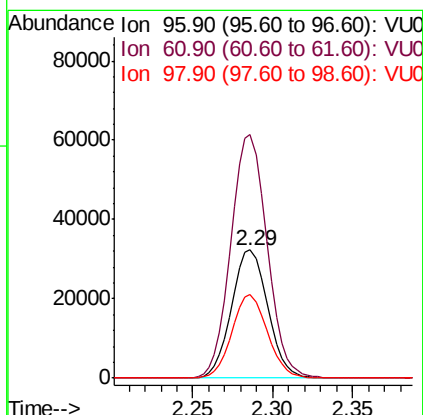
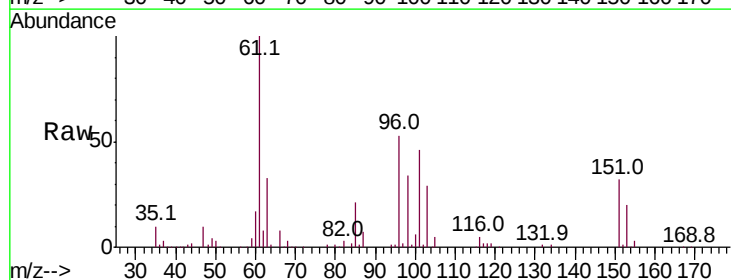
Tot Ion: 59 Resp: 76856
 Ion Ratio Lower Upper
 59 100
 57 9.8 8.0 12.0

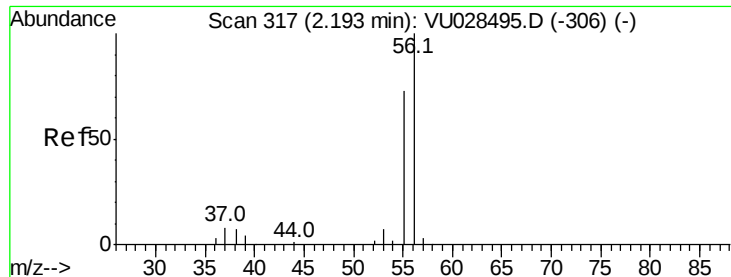


#12

1,1-Dichloroethene
 Concen: 49.688 ug/l
 RT: 2.29 min Scan# 346
 Delta R.T. -0.00 min
 Lab File: VU028517.D
 Acq: 06 Dec 2018 21:36

Tgt Ion: 96 Resp: 50035
 Ion Ratio Lower Upper
 96 100
 61 189.7 146.4 219.6
 98 65.2 51.8 77.8





#13

Acrolein

Concen: 250.879 ug/l

RT: 2.20 min Scan# 318

Delta R.T. 0.00 min

Lab File: VU028517.D

Acq: 06 Dec 2018 21:36

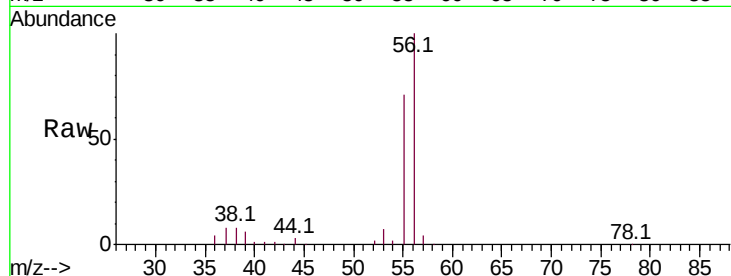
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 56 Resp: 61501

Ion Ratio Lower Upper

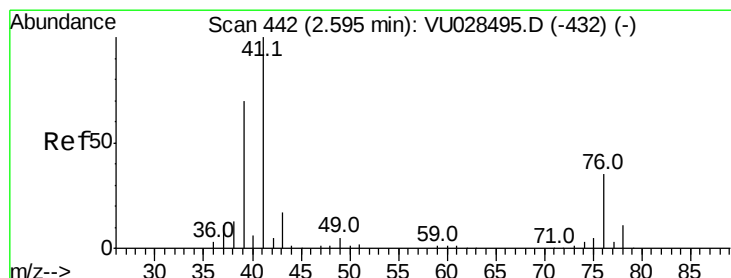
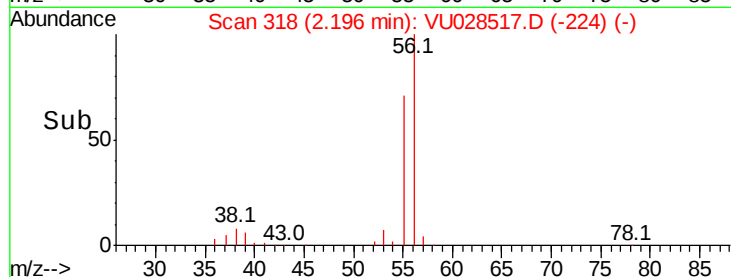
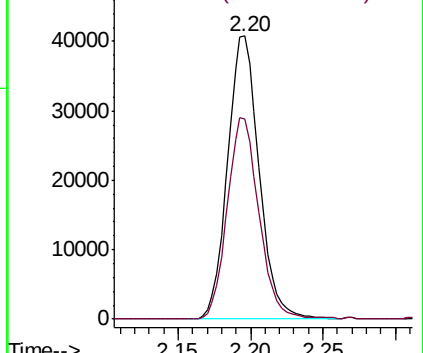
56 100

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: 49.766 ug/l

RT: 2.59 min Scan# 442

Delta R.T. -0.00 min

Lab File: VU028517.D

Acq: 06 Dec 2018 21:36

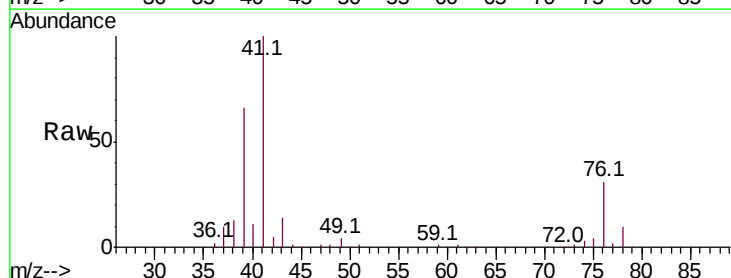
Tgt Ion: 41 Resp: 118552

Ion Ratio Lower Upper

41 100

39 65.0 50.8 76.2

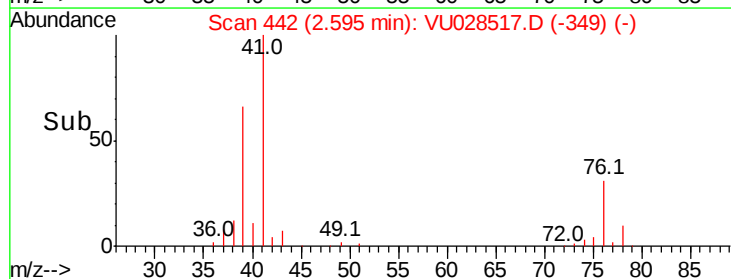
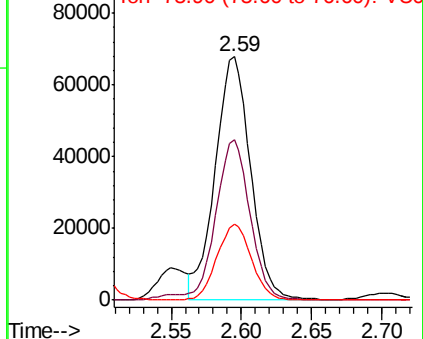
76 30.4 24.8 37.2

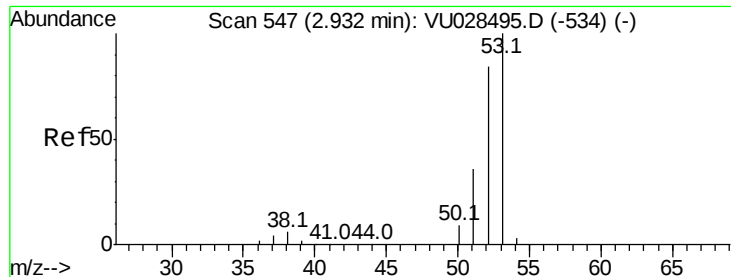


Abundance Ion 41.00 (40.70 to 41.70): VU0

Ion 39.00 (38.70 to 39.70): VU0

Ion 75.90 (75.60 to 76.60): VU0





#15

Acrylonitrile

Concen: 269.084 ug/l

RT: 2.94 min Scan# 548

Delta R.T. 0.00 min

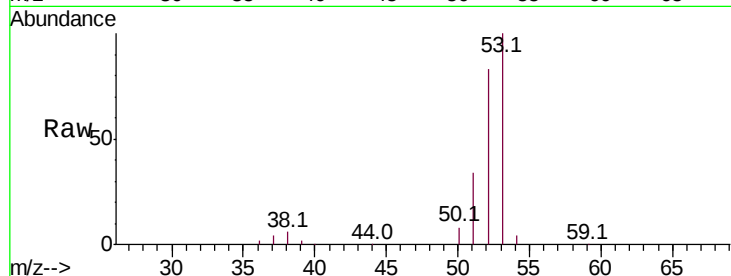
Lab File: VU028517.D

Acq: 06 Dec 2018 21:36

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 53 Resp: 229727

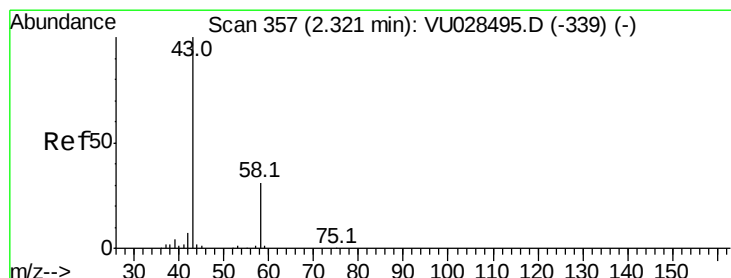
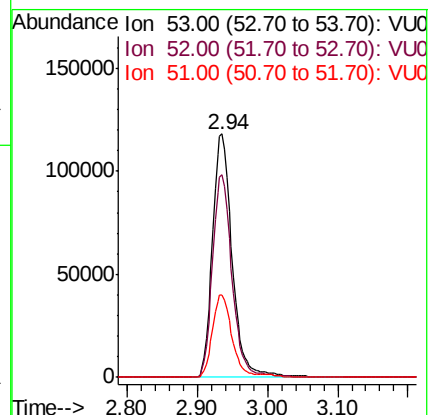
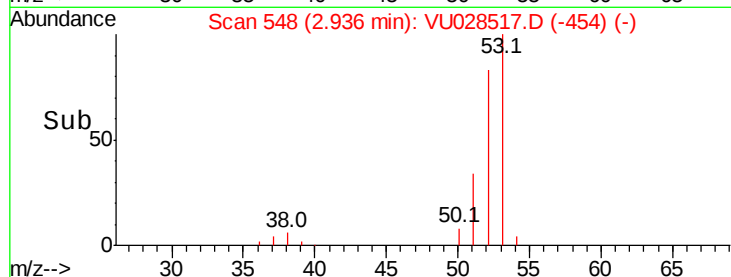
Ion	Ratio	Lower	Upper
53	100		
52	81.7	66.1	99.1
51	34.4	28.1	42.1



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: 199.523 ug/l

RT: 2.32 min Scan# 357

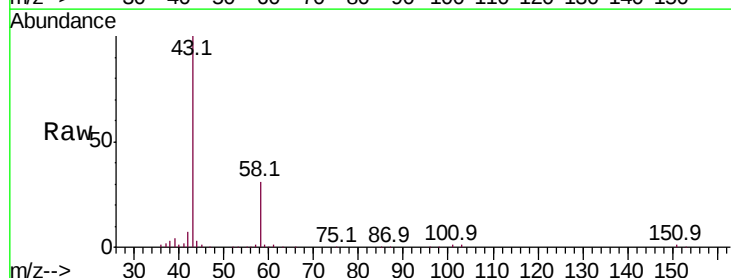
Delta R.T. -0.00 min

Lab File: VU028517.D

Acq: 06 Dec 2018 21:36

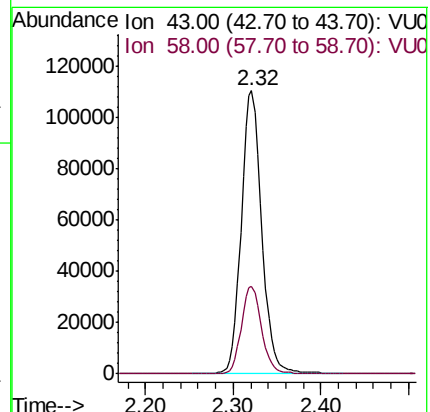
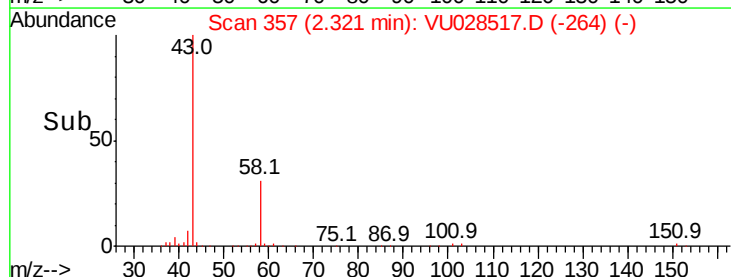
Tgt Ion: 43 Resp: 179702

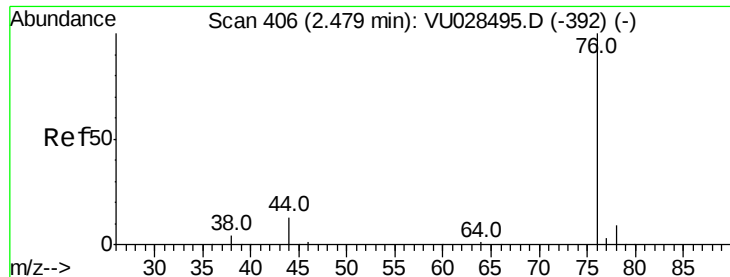
Ion	Ratio	Lower	Upper
43	100		
58	30.9	24.6	37.0



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0

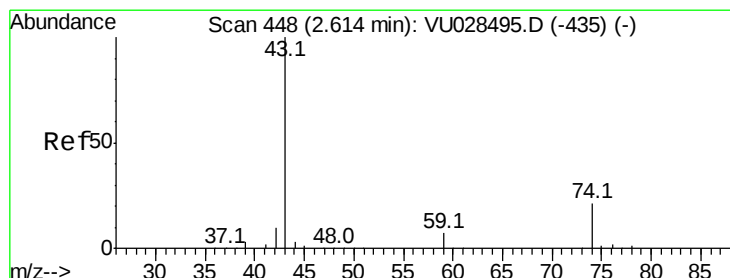
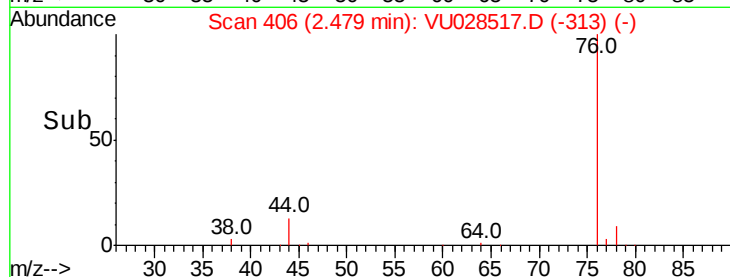
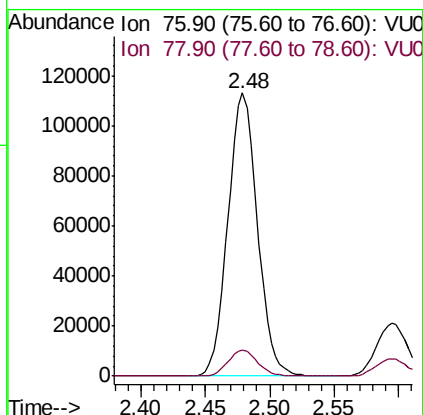
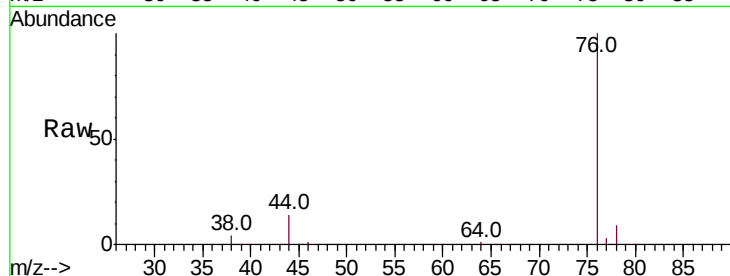




#17
Carbon Disulfide
Concen: 49.562 ug/l
RT: 2.48 min Scan# 406
Delta R.T. -0.00 min
Lab File: VU028517.D
Acq: 06 Dec 2018 21:36

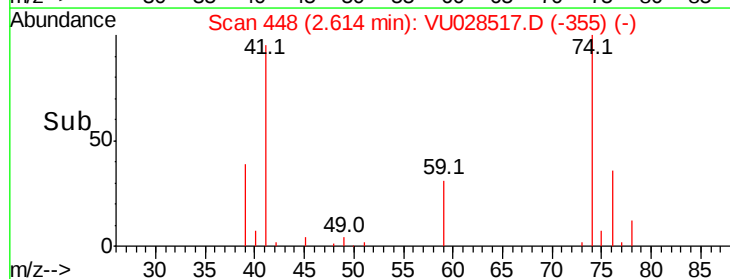
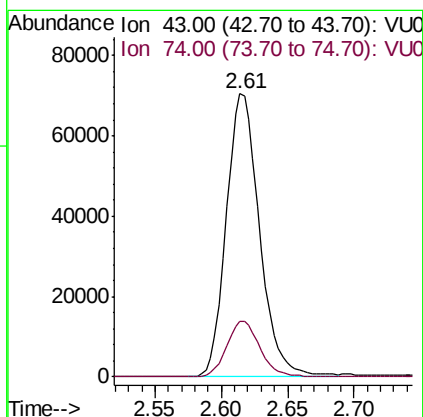
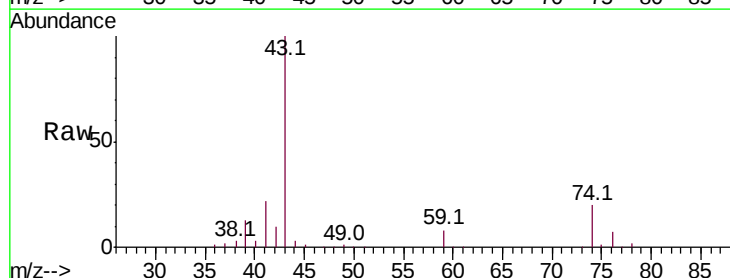
Instrument :
MSVOA_U
ClientSampleId :

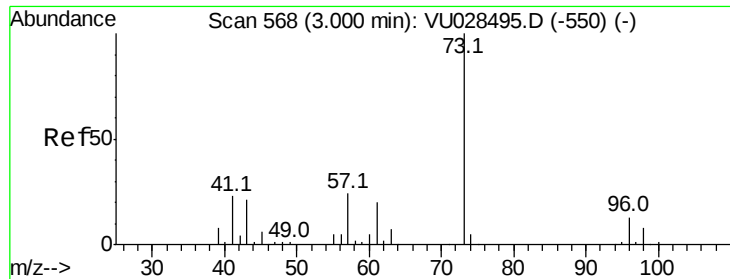
Tot Ion: 76 Resp: 179794
Ion Ratio Lower Upper
76 100
78 9.3 7.2 10.8



#18
Methyl Acetate
Concen: 52.715 ug/l
RT: 2.61 min Scan# 448
Delta R.T. 0.00 min
Lab File: VU028517.D
Acq: 06 Dec 2018 21:36

Tgt Ion: 43 Resp: 123076
Ion Ratio Lower Upper
43 100
74 19.7 16.4 24.6

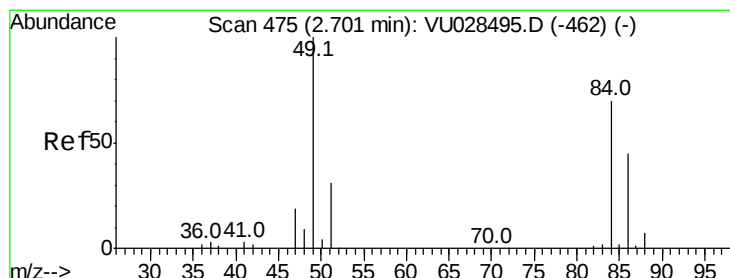
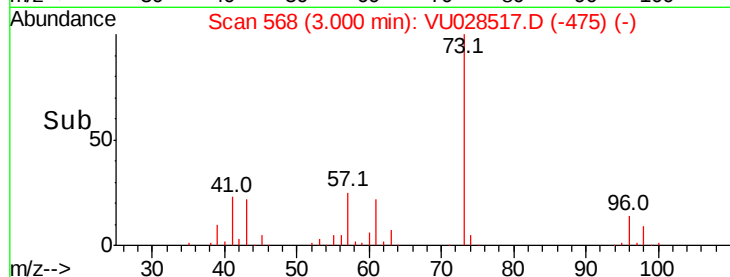
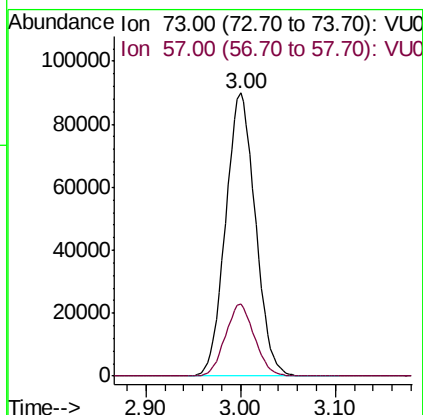
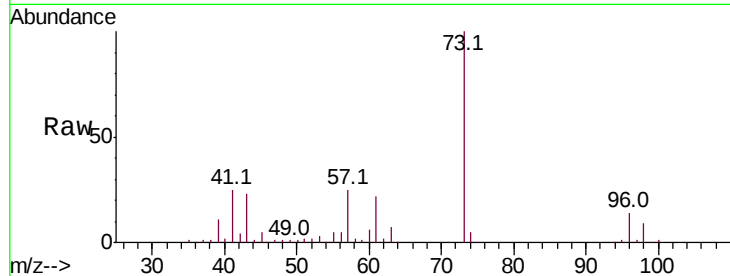




#19
Methvl tert-butvl Ether
Concen: 51.459 ug/l
RT: 3.00 min Scan# 568
Delta R.T. 0.00 min
Lab File: VU028517.D
Acq: 06 Dec 2018 21:36

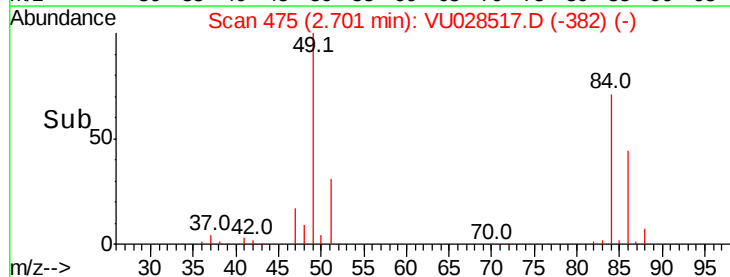
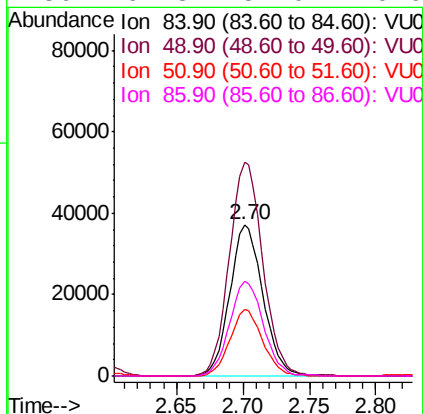
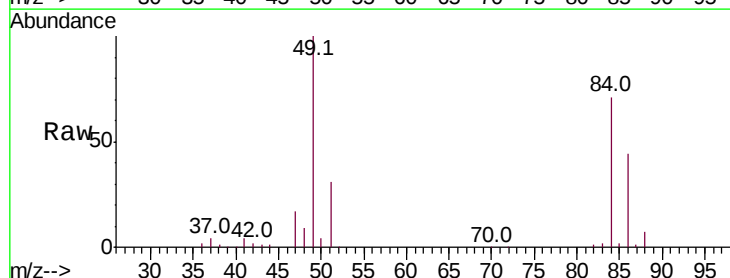
Instrument :
MSVOA_U
ClientSampled :

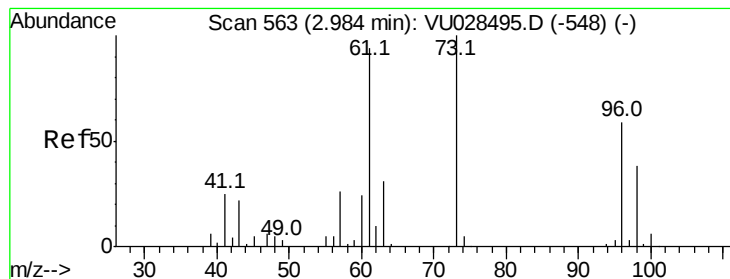
Tot Ion: 73 Resp: 196435
Ion Ratio Lower Upper
73 100
57 25.5 19.4 29.2



#20
Methylene Chloride
Concen: 48.436 ug/l
RT: 2.70 min Scan# 475
Delta R.T. -0.00 min
Lab File: VU028517.D
Acq: 06 Dec 2018 21:36

Tgt Ion: 84 Resp: 64309
Ion Ratio Lower Upper
84 100
49 141.3 114.0 171.0
51 43.8 35.1 52.7
86 62.3 51.0 76.6





#21

trans-1,2-Dichloroethene

Concen: 49.903 ug/l

RT: 2.98 min Scan# 563

Delta R.T. -0.00 min

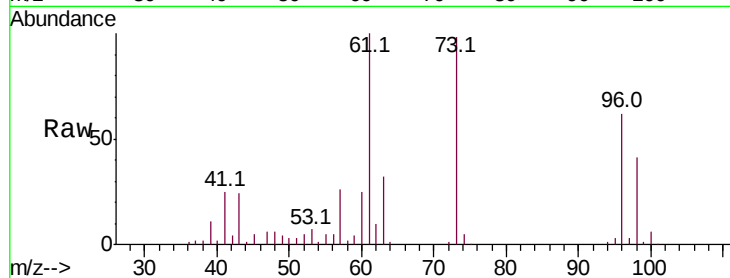
Lab File: VU028517.D

Acq: 06 Dec 2018 21:36

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 96 Resp: 56579

Ion	Ratio	Lower	Upper
96	100		
61	161.5	127.0	190.4
98	66.1	51.9	77.9

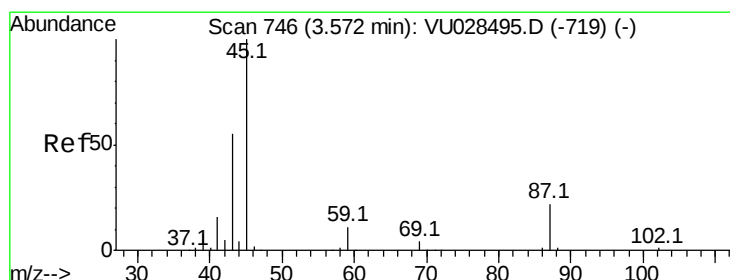
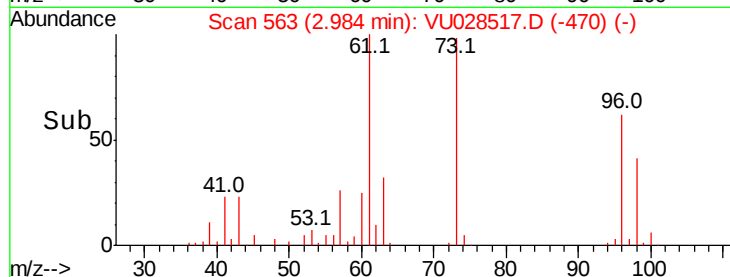
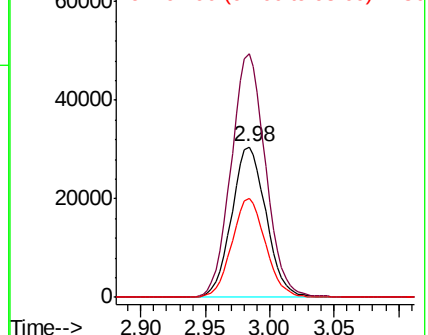


Abundance

Ion 95.90 (95.60 to 96.60): VU0

Ion 60.90 (60.60 to 61.60): VU0

Ion 97.90 (97.60 to 98.60): VU0



#22

Diisopropyl ether

Concen: 53.022 ug/l

RT: 3.57 min Scan# 746

Delta R.T. -0.00 min

Lab File: VU028517.D

Acq: 06 Dec 2018 21:36

Tgt Ion: 45 Resp: 245625

Ion	Ratio	Lower	Upper
45	100		
43	55.9	45.3	67.9
87	21.9	17.6	26.4
59	10.7	8.8	13.2

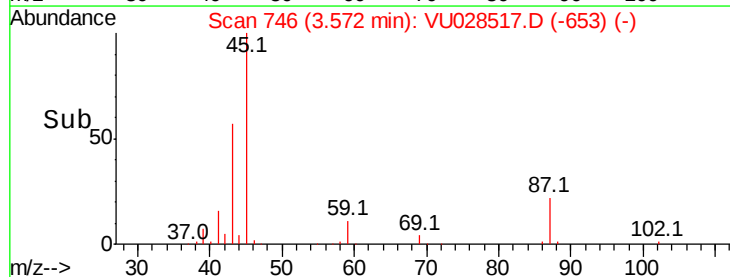
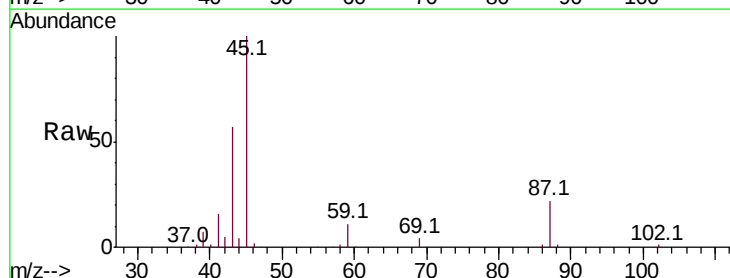
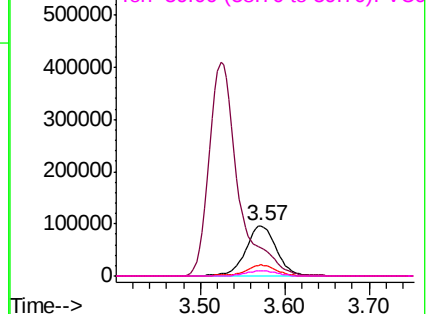
Abundance

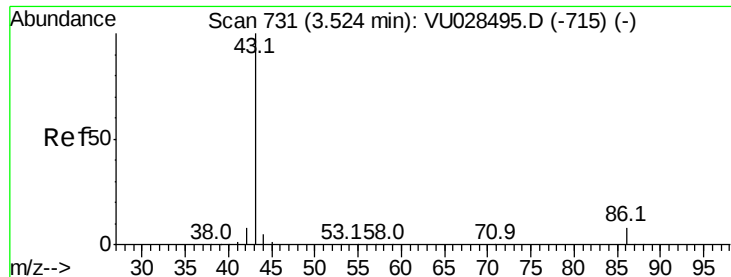
Ion 45.00 (44.70 to 45.70): VU0

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: 257.418 ug/l

RT: 3.52 min Scan# 731

Delta R.T. 0.00 min

Lab File: VU028517.D

Acq: 06 Dec 2018 21:36

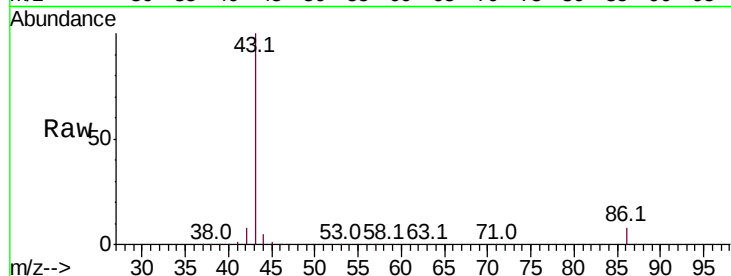
Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 43 Resp: 983623

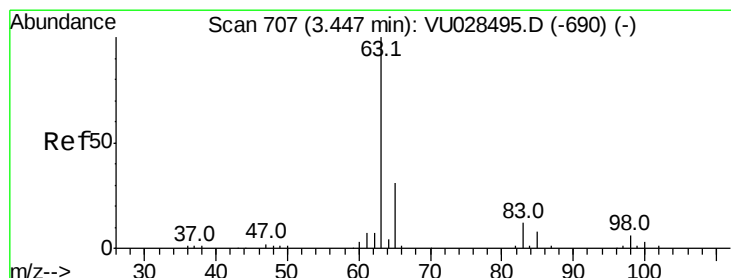
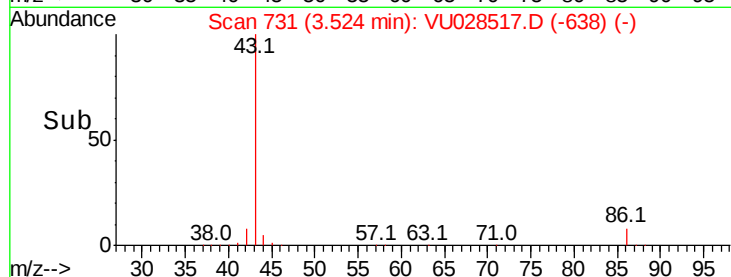
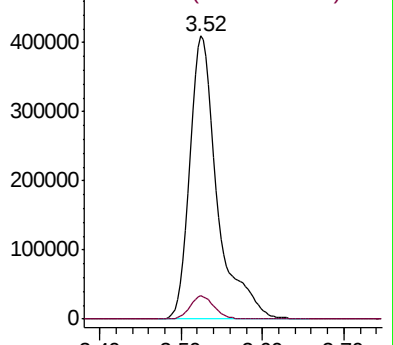
Ion Ratio Lower Upper

43 100

86 8.2 6.8 10.2



Abundance Ion 43.00 (42.70 to 43.70): VU028517.D (-638) (-)



#24

1,1-Dichloroethane

Concen: 51.152 ug/l

RT: 3.45 min Scan# 707

Delta R.T. 0.00 min

Lab File: VU028517.D

Acq: 06 Dec 2018 21:36

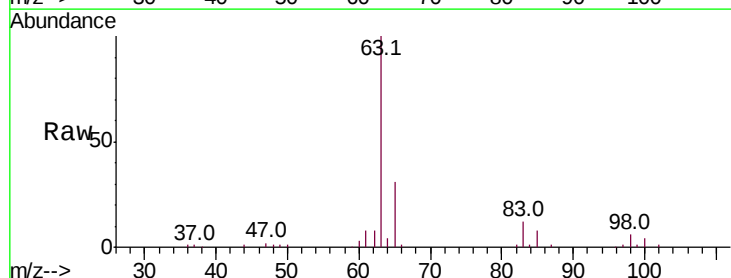
Tgt Ion: 63 Resp: 124040

Ion Ratio Lower Upper

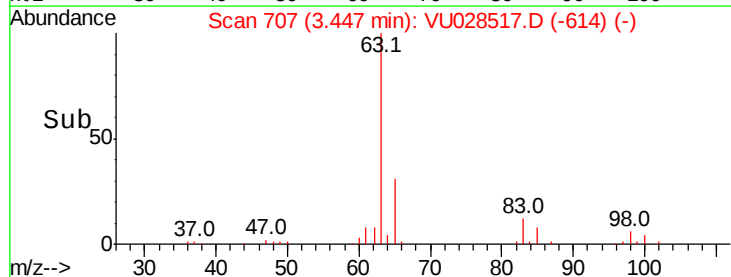
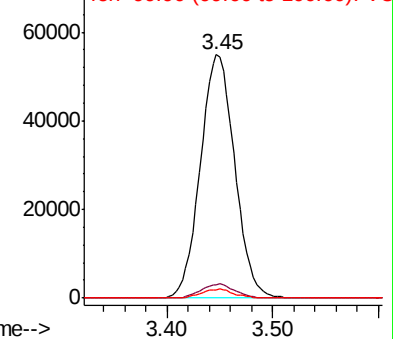
63 100

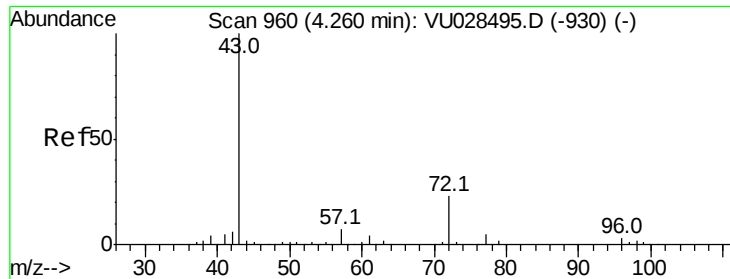
98 5.7 3.0 9.2

100 3.5 1.7 5.1



Abundance Ion 62.90 (62.60 to 63.60): VU028517.D (-614) (-)





#25

2-Butanone

Concen: 253.026 ug/l

RT: 4.26 min Scan# 960

Delta R.T. 0.00 min

Lab File: VU028517.D

Acq: 06 Dec 2018 21:36

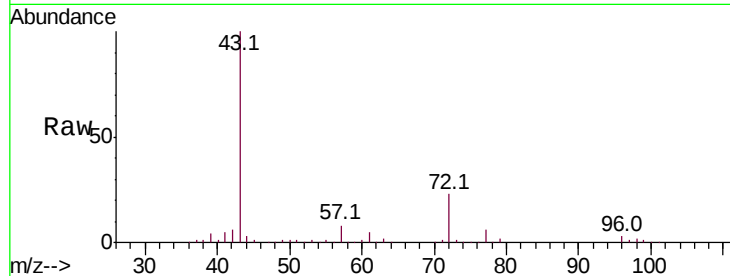
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 43 Resp: 311433

Ion Ratio Lower Upper

43 100

72 23.1 18.6 28.0



Abundance Ion 43.00 (42.70 to 43.70): VU028517.D (-867) (-)

Ion 72.00 (71.70 to 72.70): VU028517.D (-867) (-)

4.26

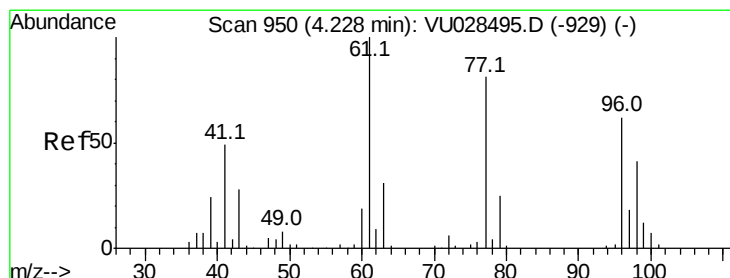
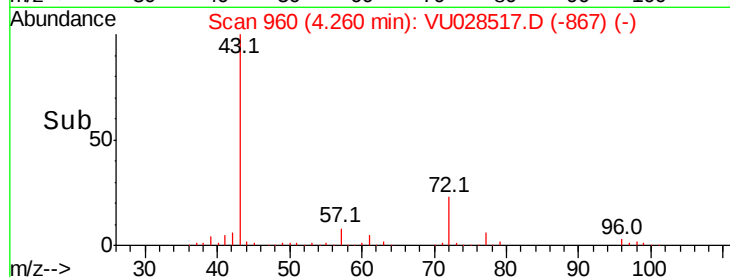
150000

100000

50000

0

Time--> 4.10 4.20 4.30



#26

2,2-Dichloropropane

Concen: 47.276 ug/l

RT: 4.23 min Scan# 950

Delta R.T. 0.00 min

Lab File: VU028517.D

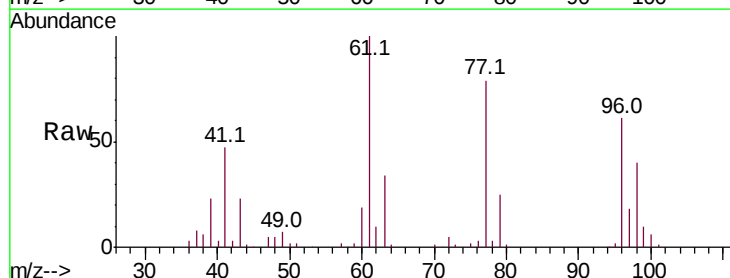
Acq: 06 Dec 2018 21:36

Tgt Ion: 77 Resp: 90837

Ion Ratio Lower Upper

77 100

97 21.8 11.0 33.0



Abundance Ion 76.90 (76.60 to 77.60): VU028517.D (-857) (-)

Ion 96.90 (96.60 to 97.60): VU028517.D (-857) (-)

4.23

40000

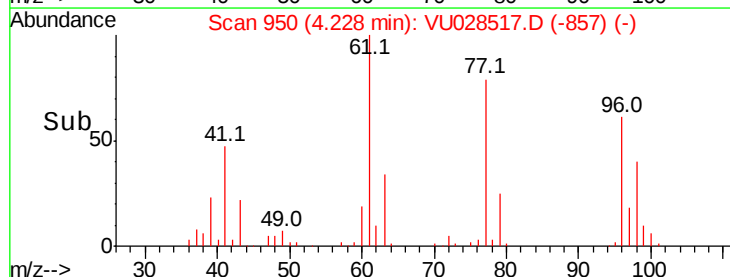
30000

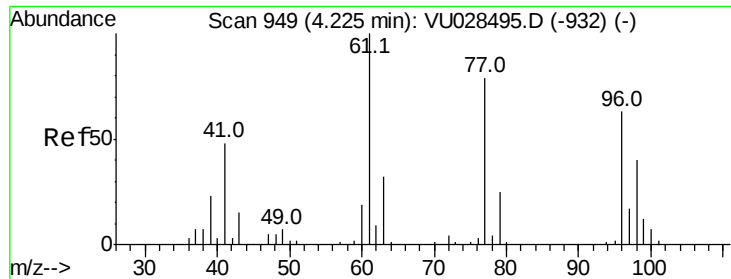
20000

10000

0

Time--> 4.10 4.20 4.30



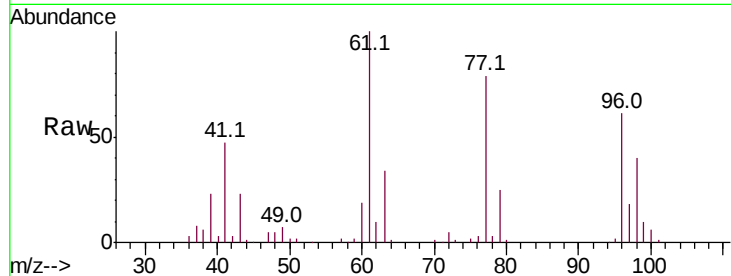


#27

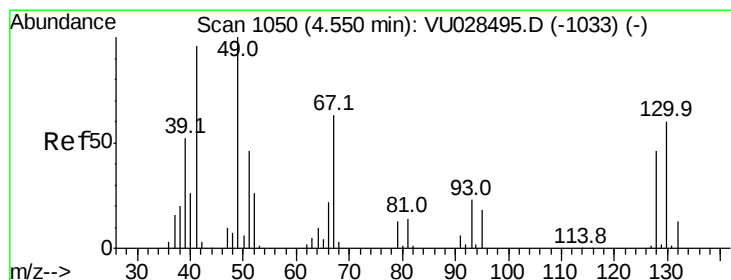
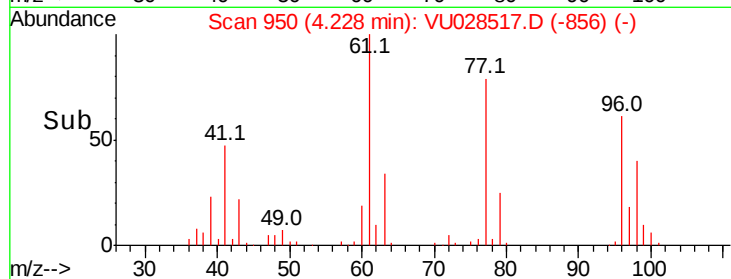
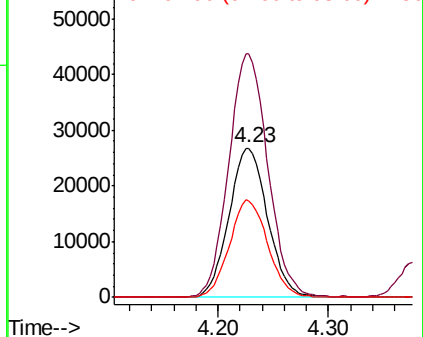
cis-1,2-Dichloroethene
Concen: 50.549 ug/l
RT: 4.23 min Scan# 950
Delta R.T. 0.00 min
Lab File: VU028517.D
Acq: 06 Dec 2018 21:36

Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 96 Resp: 64868
Ion Ratio Lower Upper
96 100
61 165.6 0.0 332.4
98 64.8 0.0 129.0



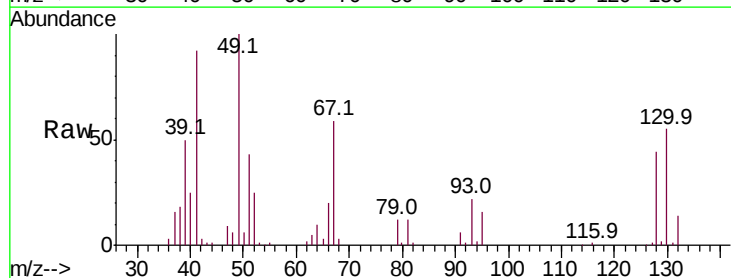
Abundance Ion 95.90 (95.60 to 96.60): VU0
Ion 60.90 (60.60 to 61.60): VU0
Ion 97.90 (97.60 to 98.60): VU0



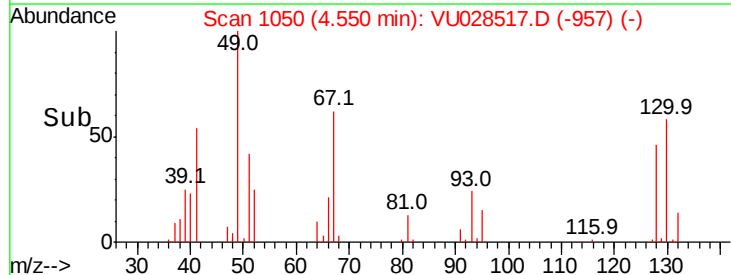
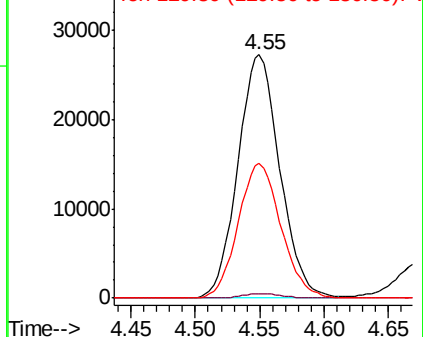
#28

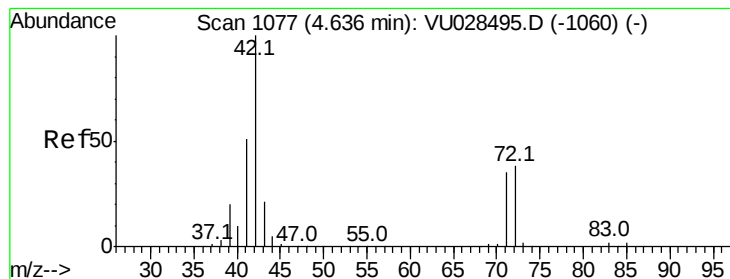
Bromochloromethane
Concen: 56.064 ug/l
RT: 4.55 min Scan# 1050
Delta R.T. -0.00 min
Lab File: VU028517.D
Acq: 06 Dec 2018 21:36

Tgt Ion: 49 Resp: 61804
Ion Ratio Lower Upper
49 100
129 1.5 0.0 3.0
130 56.4 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: 272.582 ug/l

RT: 4.64 min Scan# 1077

Delta R.T. -0.00 min

Lab File: VU028517.D

Acq: 06 Dec 2018 21:36

Instrument :
MSVOA_U
ClientSampled :

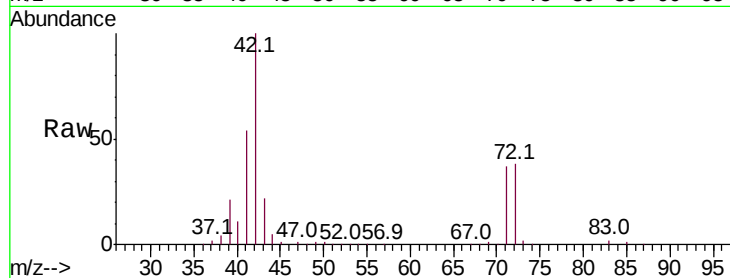
Tot Ion: 42 Resp: 215474

Ion Ratio Lower Upper

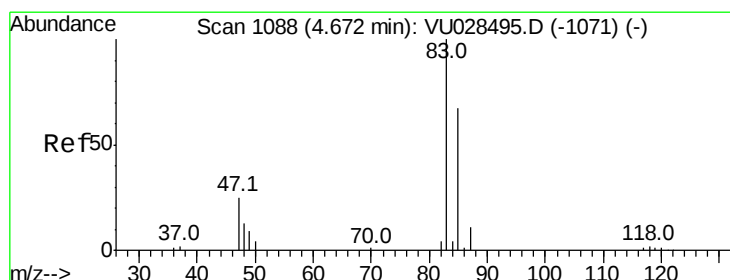
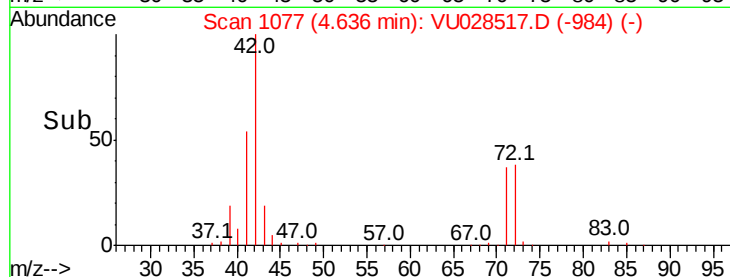
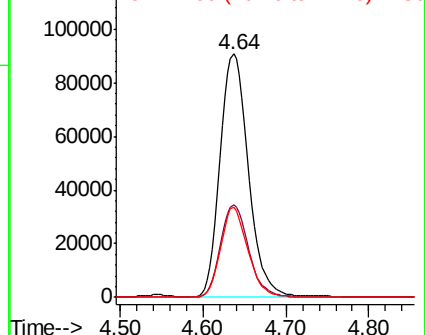
42 100

72 37.6 31.4 47.0

71 35.5 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: 51.535 ug/l

RT: 4.67 min Scan# 1089

Delta R.T. 0.00 min

Lab File: VU028517.D

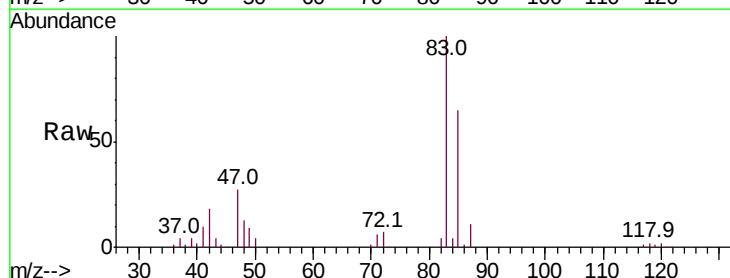
Acq: 06 Dec 2018 21:36

Tgt Ion: 83 Resp: 108918

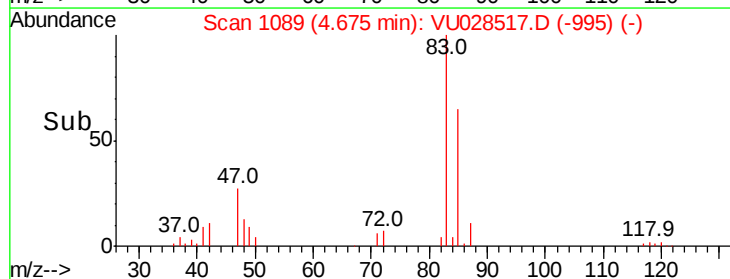
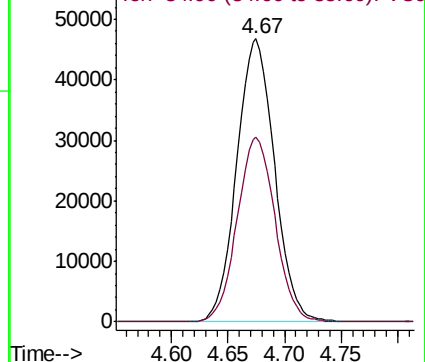
Ion Ratio Lower Upper

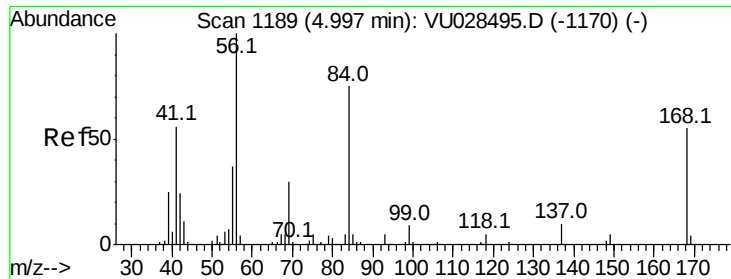
83 100

85 65.1 53.6 80.4



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

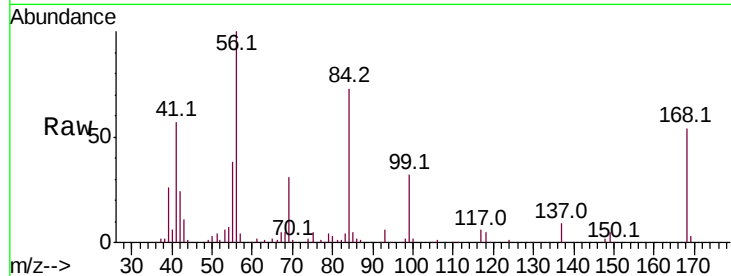




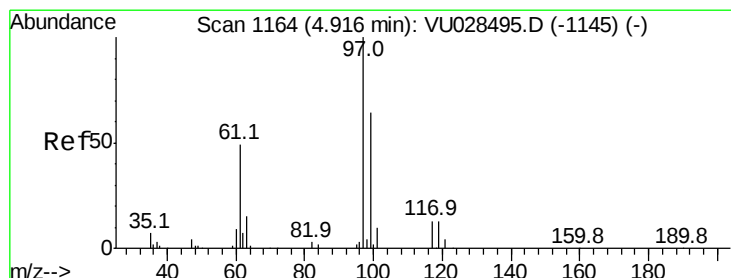
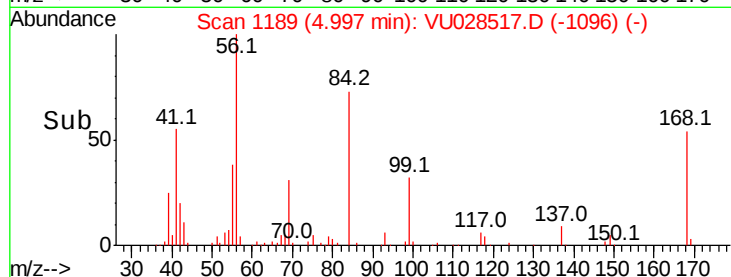
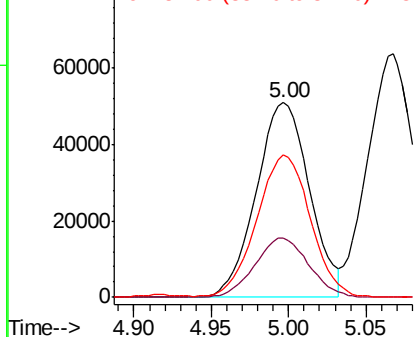
#31
Cyclohexane
Concen: 51.756 ug/l
RT: 5.00 min Scan# 1189
Delta R.T. 0.00 min
Lab File: VU028517.D
Acq: 06 Dec 2018 21:36

Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 56 Resp: 122376
Ion Ratio Lower Upper
56 100
69 30.8 24.0 36.0
84 72.3 59.7 89.5

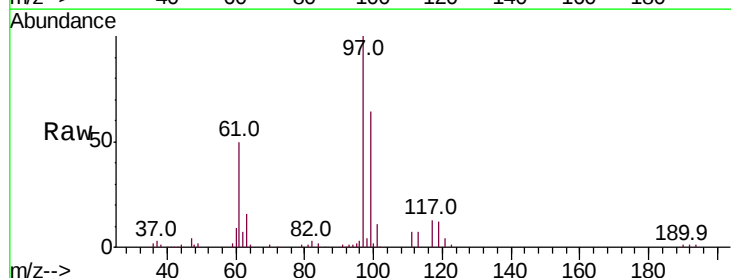


Abundance Ion 56.00 (55.70 to 56.70): VU0
Ion 69.00 (68.70 to 69.70): VU0
Ion 84.00 (83.70 to 84.70): VU0

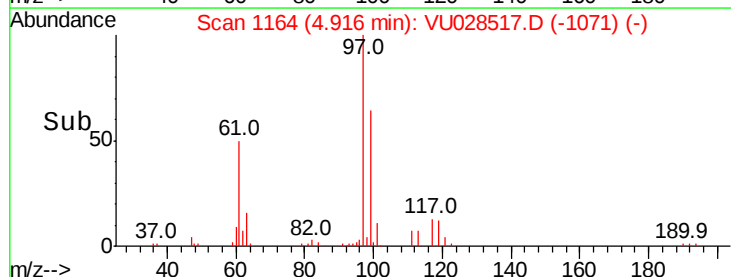
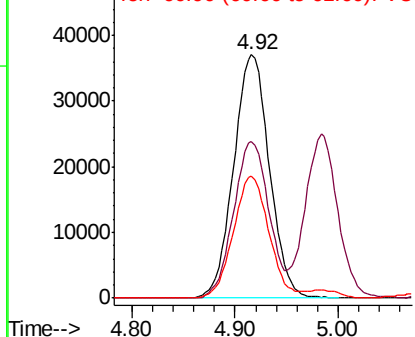


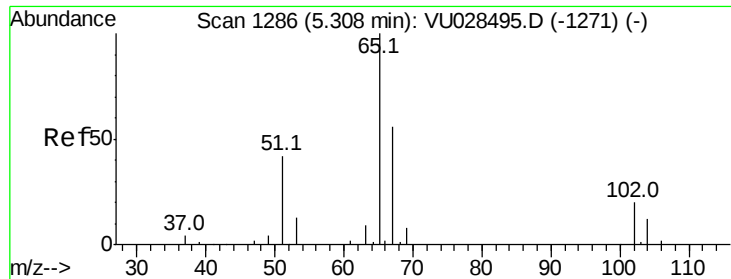
#32
1,1,1-Trichloroethane
Concen: 50.903 ug/l
RT: 4.92 min Scan# 1164
Delta R.T. -0.00 min
Lab File: VU028517.D
Acq: 06 Dec 2018 21:36

Tgt Ion: 97 Resp: 89351
Ion Ratio Lower Upper
97 100
99 63.5 52.3 78.5
61 49.9 39.0 58.6



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

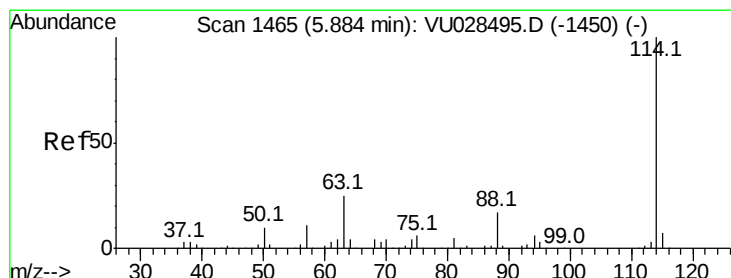
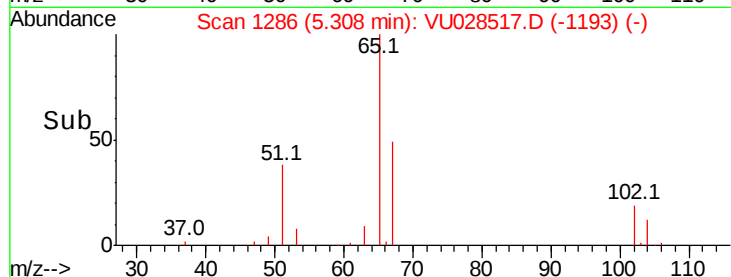
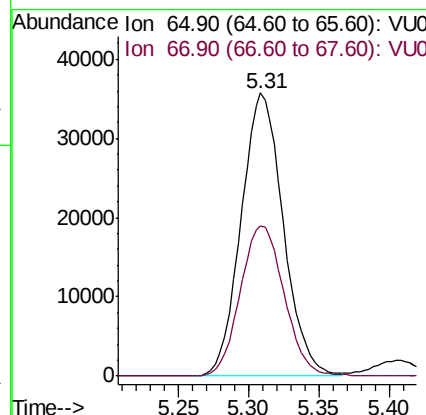
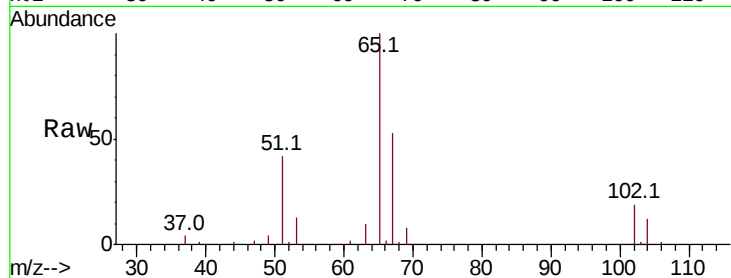




#33
 1,2-Dichloroethane-d4
 Concen: 54.201 ug/l
 RT: 5.31 min Scan# 1286
 Delta R.T. -0.00 min
 Lab File: VU028517.D
 Acq: 06 Dec 2018 21:36

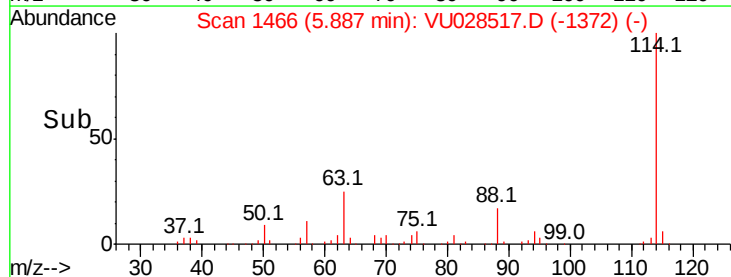
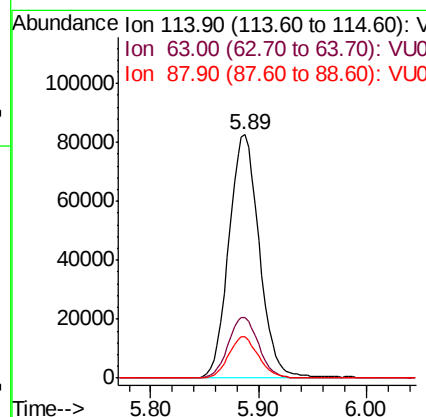
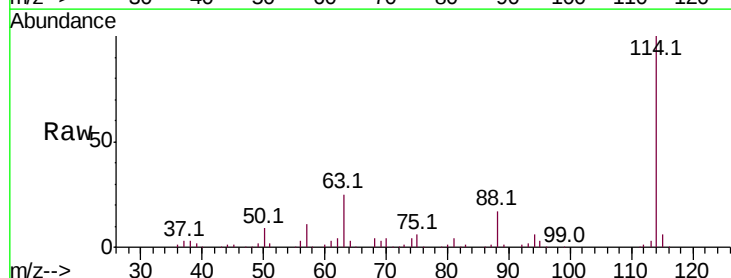
Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion: 65 Resp: 74809
 Ion Ratio Lower Upper
 65 100
 67 55.3 0.0 110.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.89 min Scan# 1466
 Delta R.T. 0.00 min
 Lab File: VU028517.D
 Acq: 06 Dec 2018 21:36

Tgt Ion: 114 Resp: 162786
 Ion Ratio Lower Upper
 114 100
 63 24.7 0.0 49.2
 88 16.8 0.0 33.4

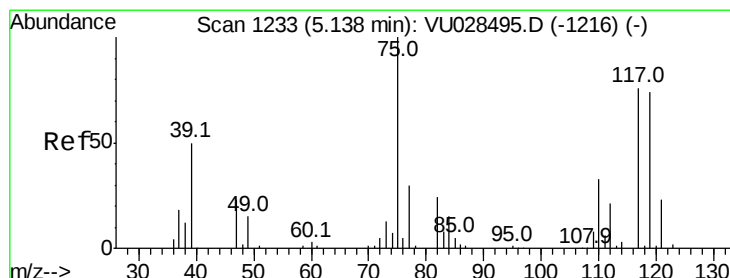
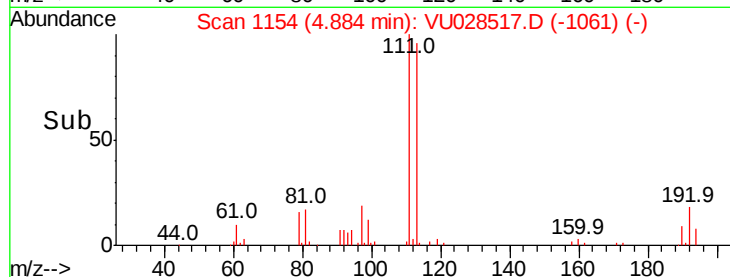
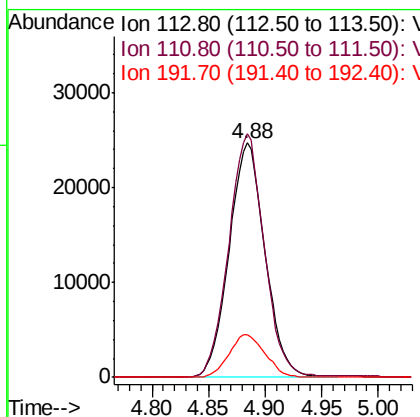
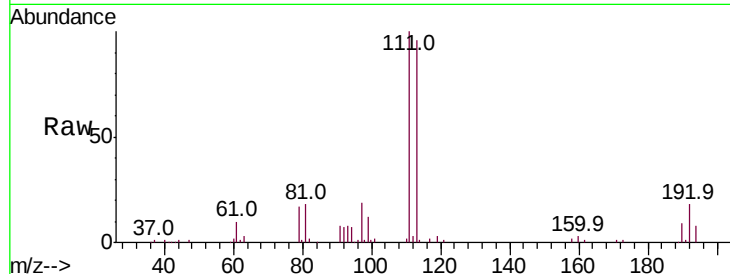




#35
 Dibromofluoromethane
 Concen: 53.378 ug/l
 RT: 4.88 min Scan# 1154
 Delta R.T. -0.00 min
 Lab File: VU028517.D
 Acq: 06 Dec 2018 21:36

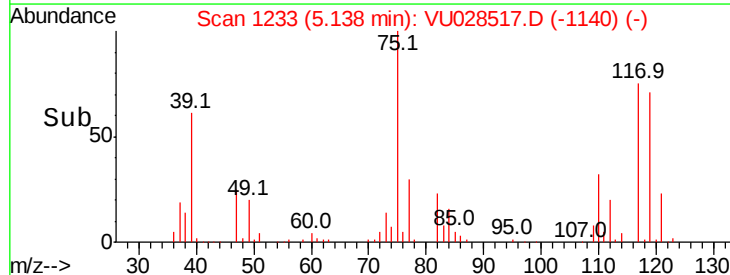
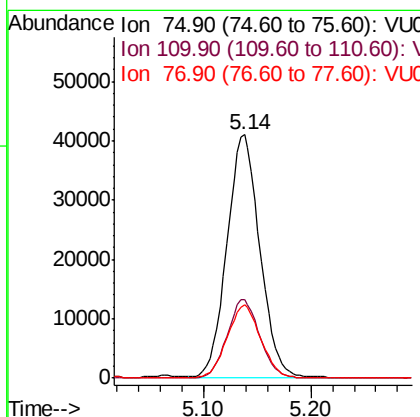
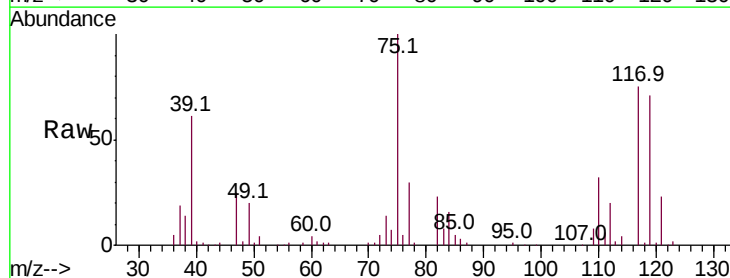
Instrument :
 MSVOA_U
 ClientSampleId :

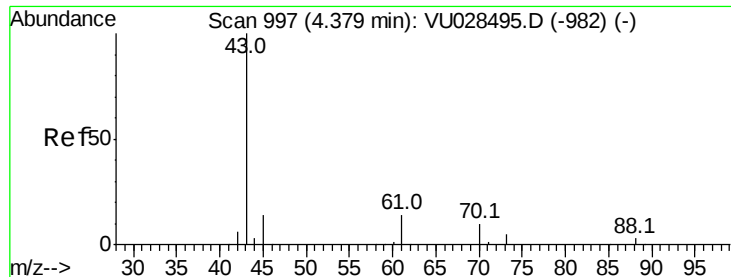
Tot Ion:113 Resp: 54682
 Ion Ratio Lower Upper
 113 100
 111 102.6 83.4 125.0
 192 18.3 14.8 22.2



#36
 1,1-Dichloropropene
 Concen: 49.183 ug/l
 RT: 5.14 min Scan# 1233
 Delta R.T. 0.00 min
 Lab File: VU028517.D
 Acq: 06 Dec 2018 21:36

Tgt Ion: 75 Resp: 87612
 Ion Ratio Lower Upper
 75 100
 110 31.8 16.1 48.2
 77 30.6 24.5 36.7





#37

Ethyl Acetate

Concen: 50.909 ug/l

RT: 4.38 min Scan# 997

Delta R.T. 0.00 min

Lab File: VU028517.D

Acq: 06 Dec 2018 21:36

Instrument :
MSVOA_U
ClientSampleId :

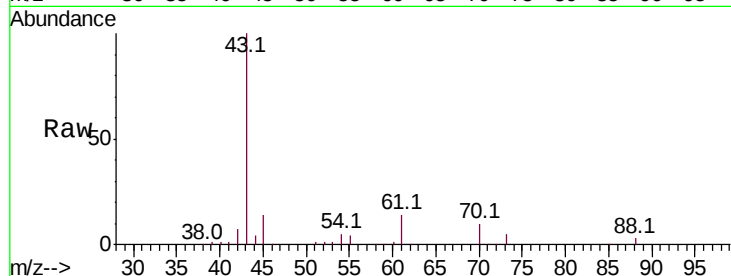
Tot Ion: 43 Resp: 117231

Ion Ratio Lower Upper

43 100

61 13.3 11.0 16.4

70 8.9 7.4 11.0

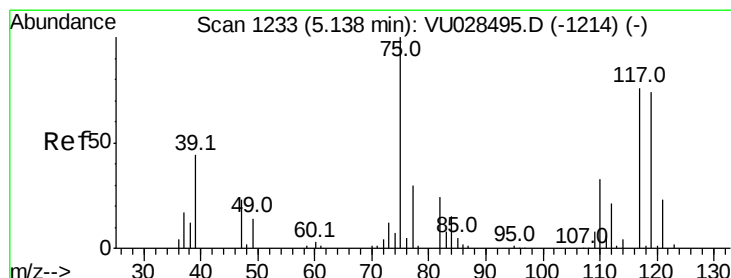
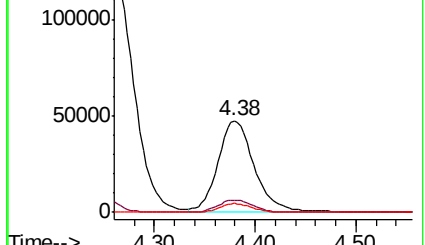
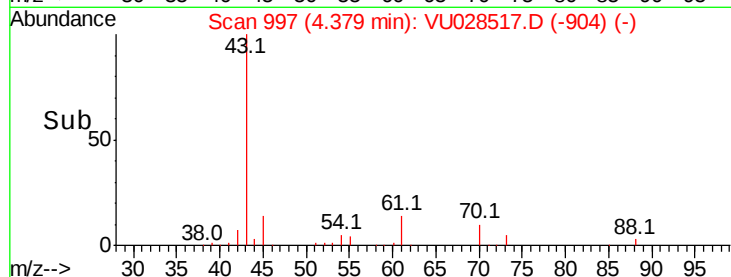


Abundance Ion 43.00 (42.70 to 43.70): VU028495.D (-982) (-)

Ion 60.90 (60.60 to 61.60): VU028495.D (-982) (-)

Ion 70.00 (69.70 to 70.70): VU028495.D (-982) (-)

Time-->



#38

Carbon Tetrachloride

Concen: 49.907 ug/l

RT: 5.13 min Scan# 1232

Delta R.T. -0.00 min

Lab File: VU028517.D

Acq: 06 Dec 2018 21:36

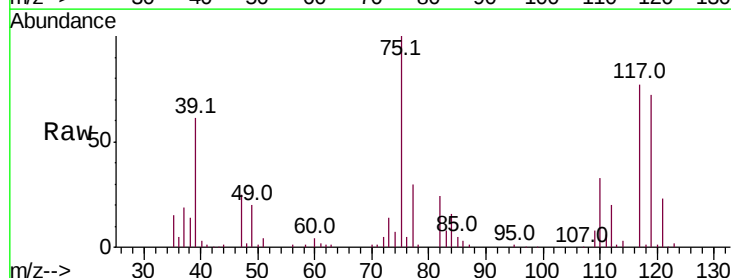
Tgt Ion: 117 Resp: 71655

Ion Ratio Lower Upper

117 100

119 94.7 77.6 116.4

121 30.5 24.6 36.8

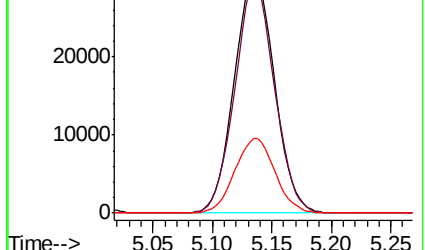
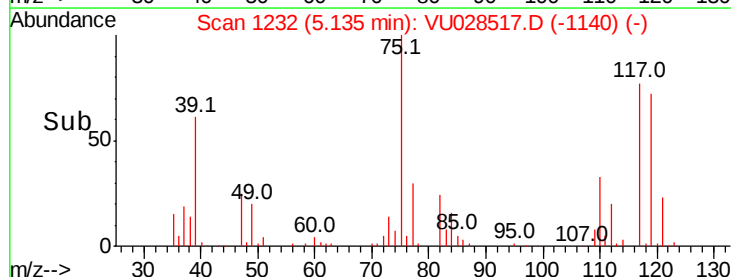


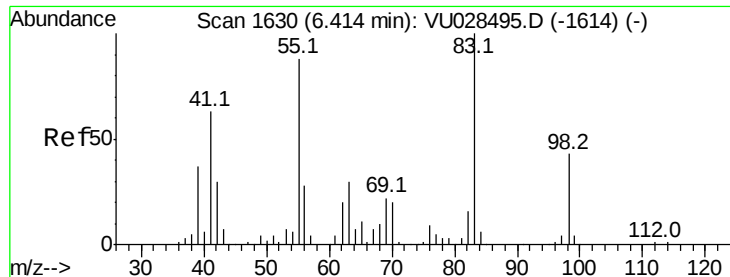
Abundance Ion 116.80 (116.50 to 117.50): VU028495.D (-1214) (-)

Ion 118.80 (118.50 to 119.50): VU028495.D (-1214) (-)

Ion 120.80 (120.50 to 121.50): VU028495.D (-1214) (-)

Time-->

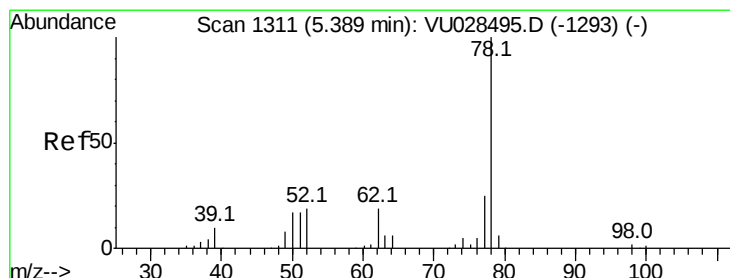
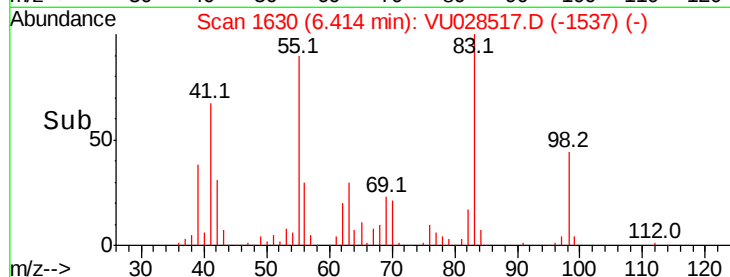
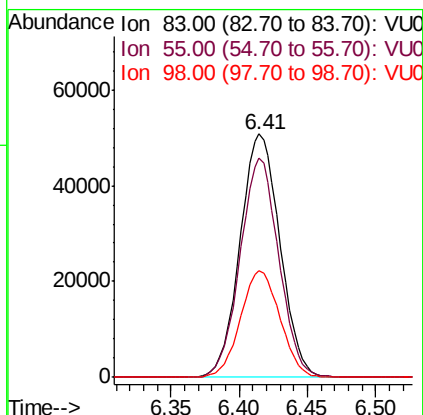
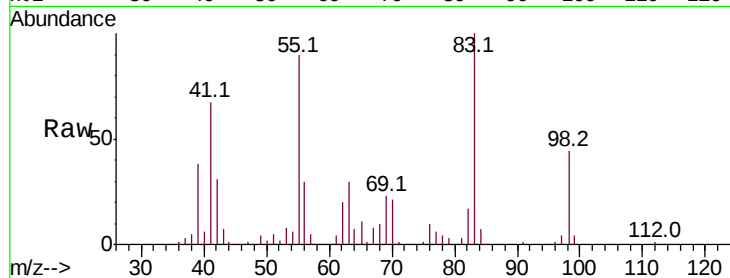




#39
Methvlcvclohexane
Concen: 47.435 ug/l
RT: 6.41 min Scan# 1630
Delta R.T. -0.00 min
Lab File: VU028517.D
Acq: 06 Dec 2018 21:36

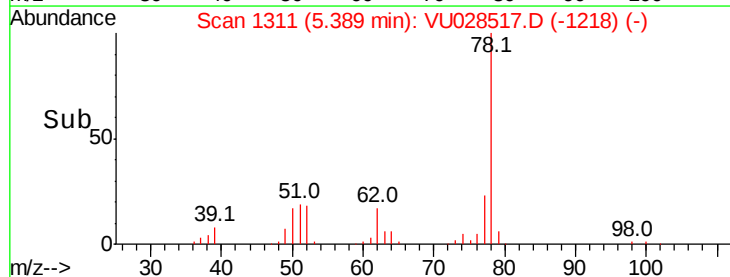
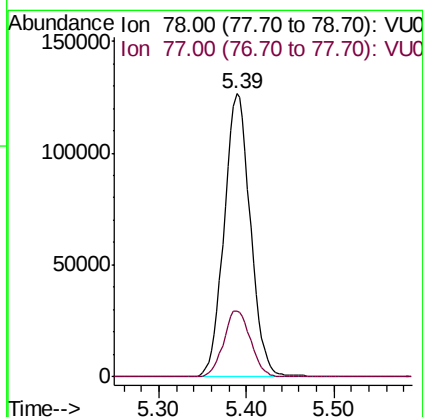
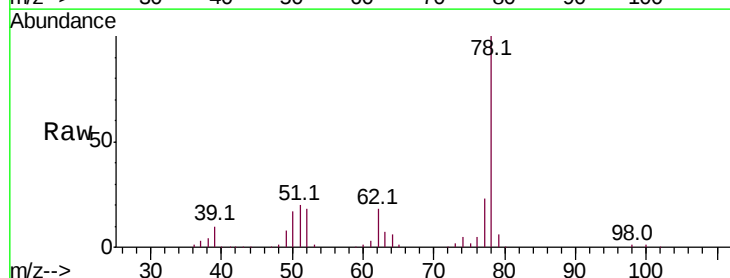
Instrument :
MSVOA_U
ClientSampleId :

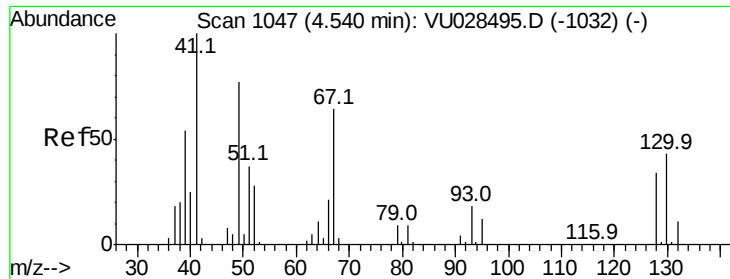
Tot Ion: 83 Resp: 103086
Ion Ratio Lower Upper
83 100
55 90.0 70.2 105.2
98 44.0 34.2 51.4



#40
Benzene
Concen: 50.244 ug/l
RT: 5.39 min Scan# 1311
Delta R.T. -0.00 min
Lab File: VU028517.D
Acq: 06 Dec 2018 21:36

Tgt Ion: 78 Resp: 263603
Ion Ratio Lower Upper
78 100
77 23.5 19.9 29.9





#41

Methacrylonitrile

Concen: 54.326 ug/l

RT: 4.54 min Scan# 1047

Delta R.T. 0.00 min

Lab File: VU028517.D

Acq: 06 Dec 2018 21:36

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 41 Resp: 68510

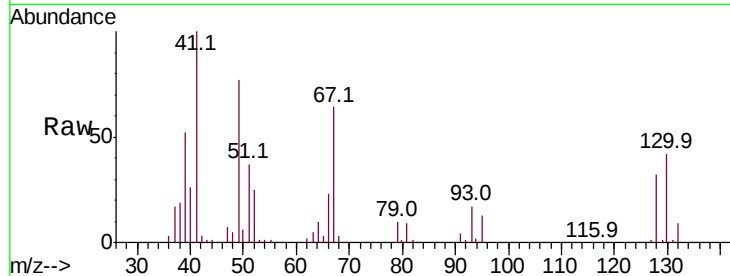
Ion Ratio Lower Upper

41 100

39 53.5 43.3 64.9

67 64.5 53.6 80.4

52 26.4 22.1 33.1

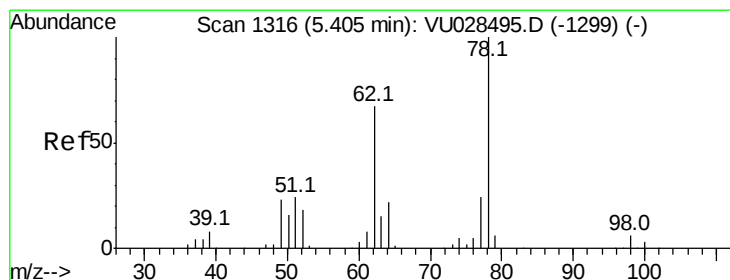
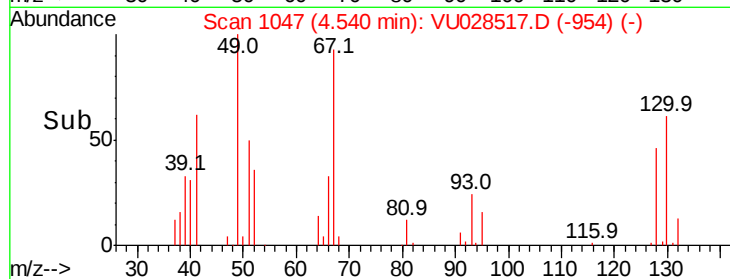
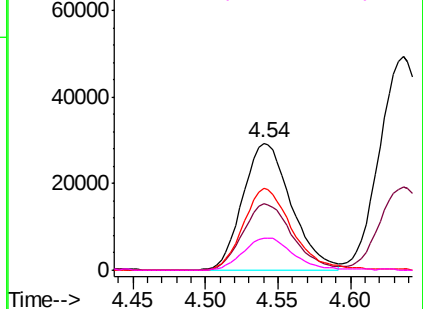


Abundance Ion 41.00 (40.70 to 41.70): VU0

Ion 39.00 (38.70 to 39.70): VU0

Ion 67.00 (66.70 to 67.70): VU0

Ion 52.00 (51.70 to 52.70): VU0



#42

1,2-Dichloroethane

Concen: 50.669 ug/l

RT: 5.40 min Scan# 1316

Delta R.T. 0.00 min

Lab File: VU028517.D

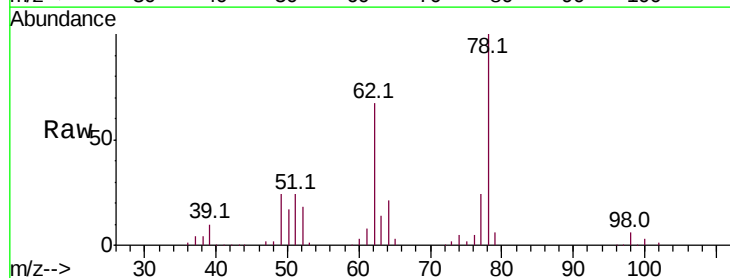
Acq: 06 Dec 2018 21:36

Tgt Ion: 62 Resp: 93051

Ion Ratio Lower Upper

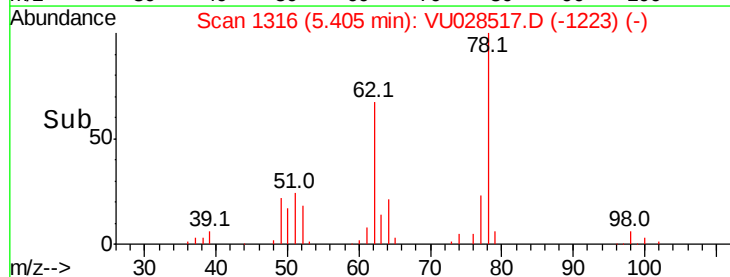
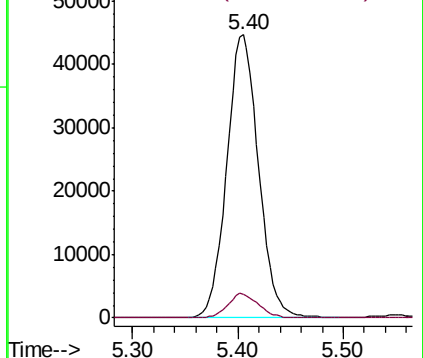
62 100

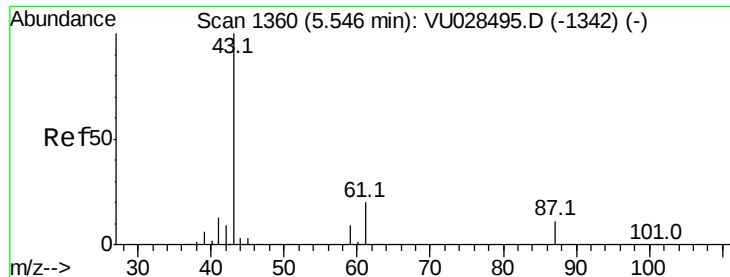
98 8.4 0.0 17.2



Abundance Ion 61.90 (61.60 to 62.60): VU0

Ion 97.90 (97.60 to 98.60): VU0





#43

Isopropyl Acetate

Concen: 51.599 ug/l

RT: 5.55 min Scan# 1360

Delta R.T. -0.00 min

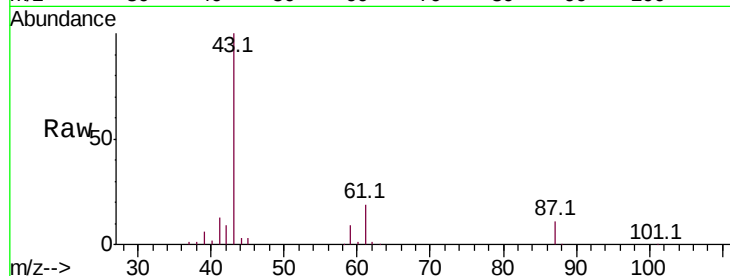
Lab File: VU028517.D

Acq: 06 Dec 2018 21:36

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 43 Resp: 187935

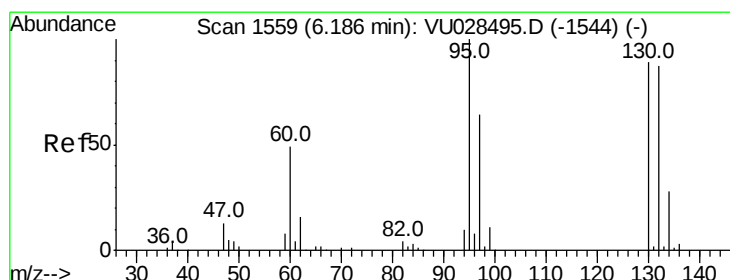
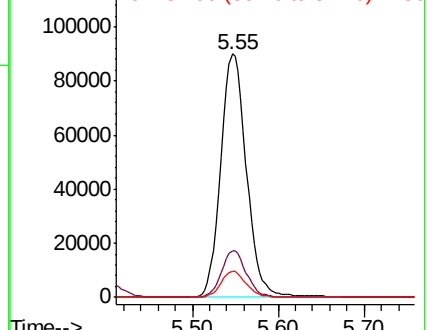
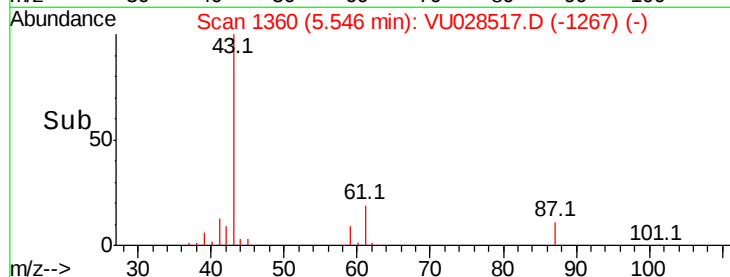
Ion	Ratio	Lower	Upper
43	100		
61	18.4	15.5	23.3
87	10.4	8.7	13.1



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 87.00 (86.70 to 87.70): VU0



#44

Trichloroethene

Concen: 48.834 ug/l

RT: 6.19 min Scan# 1559

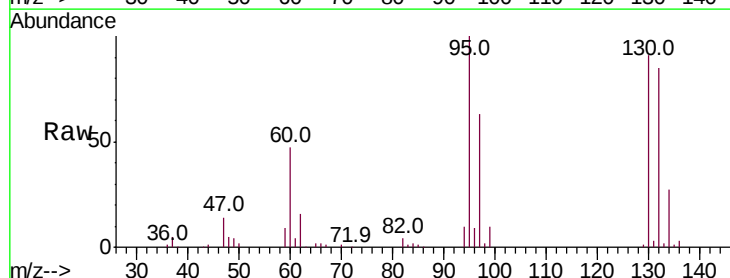
Delta R.T. 0.00 min

Lab File: VU028517.D

Acq: 06 Dec 2018 21:36

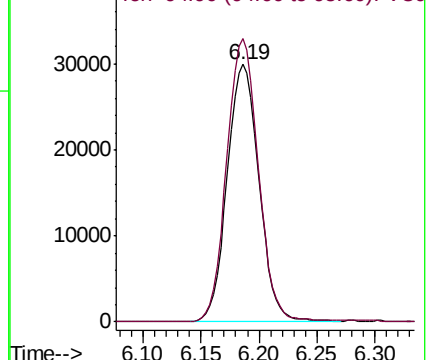
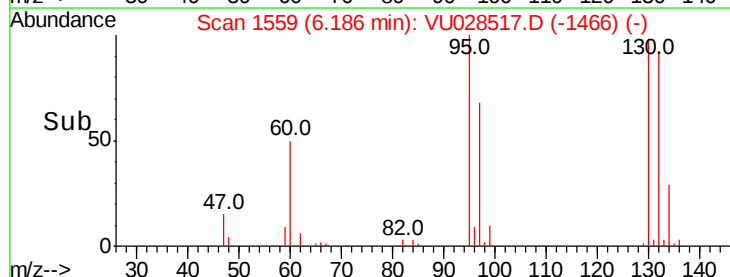
Tgt Ion:130 Resp: 56967

Ion	Ratio	Lower	Upper
130	100		
95	109.9	0.0	224.0



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VU0

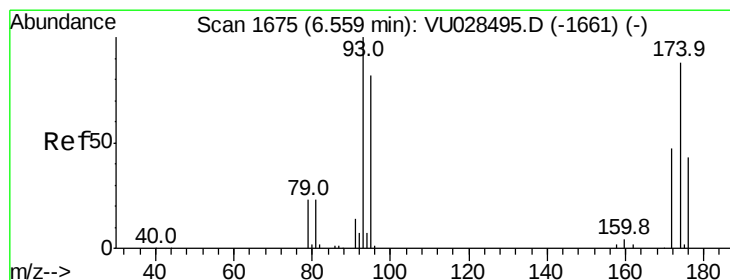
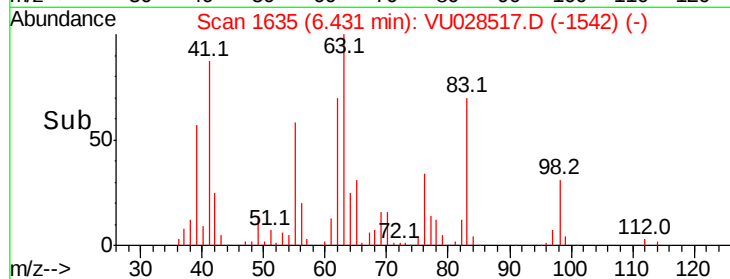
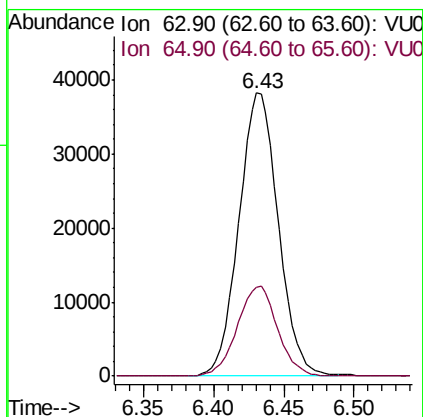
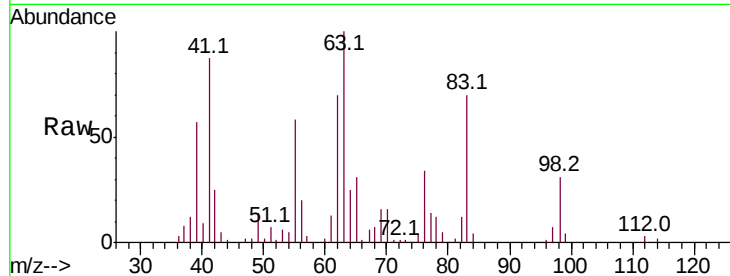




#45
 1,2-Dichloropropane
 Concen: 50.695 ug/l
 RT: 6.43 min Scan# 1635
 Delta R.T. 0.00 min
 Lab File: VU028517.D
 Acq: 06 Dec 2018 21:36

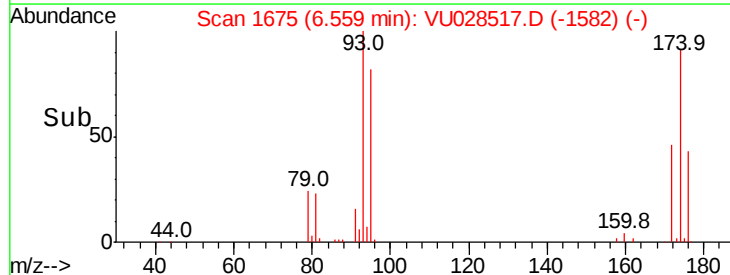
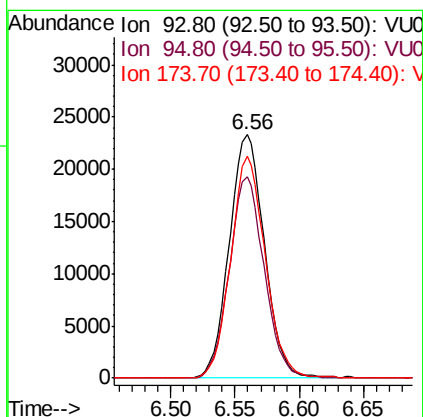
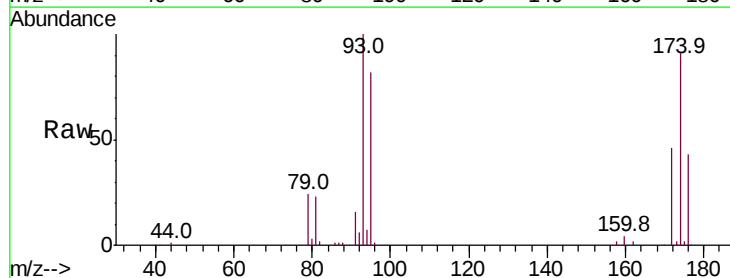
Instrument :
 MSVOA_U
 ClientSampleId :

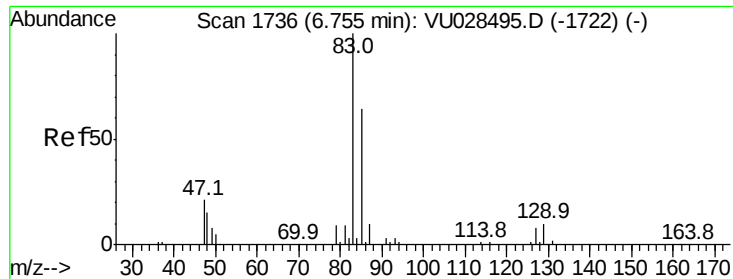
Tot Ion: 63 Resp: 74792
 Ion Ratio Lower Upper
 63 100
 65 31.5 24.2 36.4



#46
 Dibromomethane
 Concen: 50.377 ug/l
 RT: 6.56 min Scan# 1675
 Delta R.T. -0.00 min
 Lab File: VU028517.D
 Acq: 06 Dec 2018 21:36

Tgt Ion: 93 Resp: 44098
 Ion Ratio Lower Upper
 93 100
 95 81.9 65.4 98.2
 174 89.7 72.2 108.4





#47

Bromodichloromethane

Concen: 49.665 ug/l

RT: 6.76 min Scan# 1736

Delta R.T. -0.00 min

Lab File: VU028517.D

Acq: 06 Dec 2018 21:36

Instrument :
MSVOA_U
ClientSampleId :

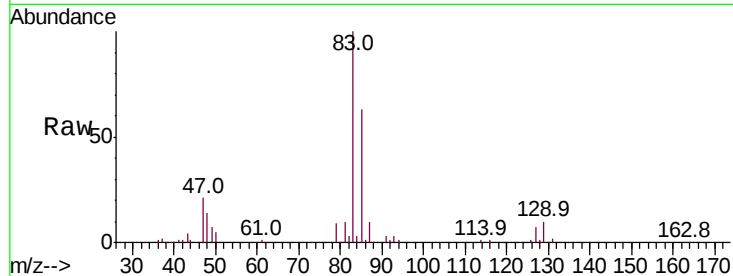
Tot Ion: 83 Resp: 84600

Ion Ratio Lower Upper

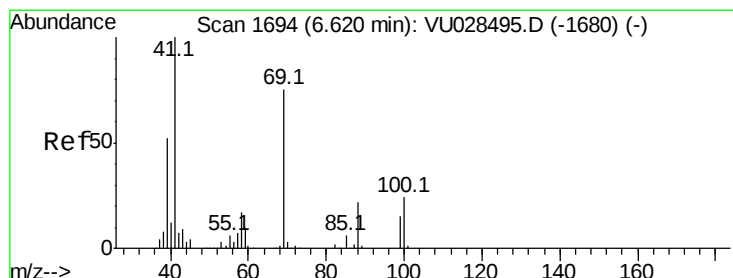
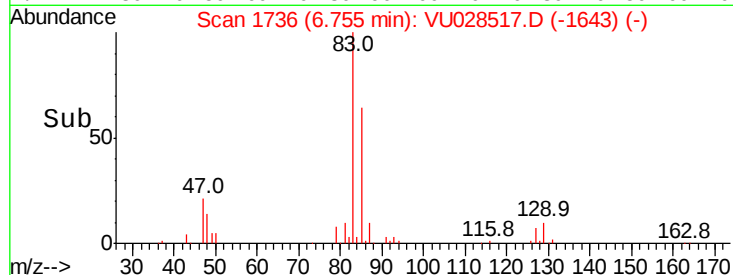
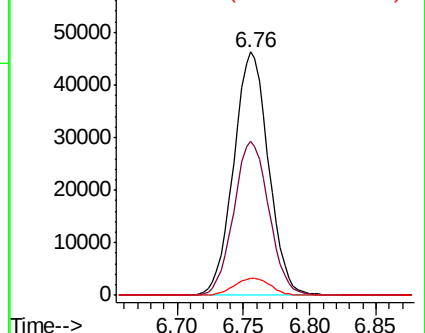
83 100

85 63.2 51.5 77.3

127 7.1 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: 53.307 ug/l

RT: 6.62 min Scan# 1694

Delta R.T. 0.00 min

Lab File: VU028517.D

Acq: 06 Dec 2018 21:36

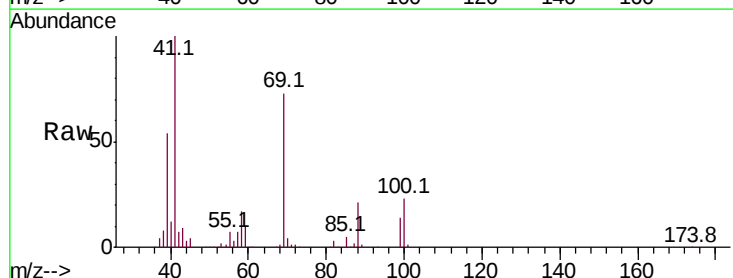
Tgt Ion: 41 Resp: 96555

Ion Ratio Lower Upper

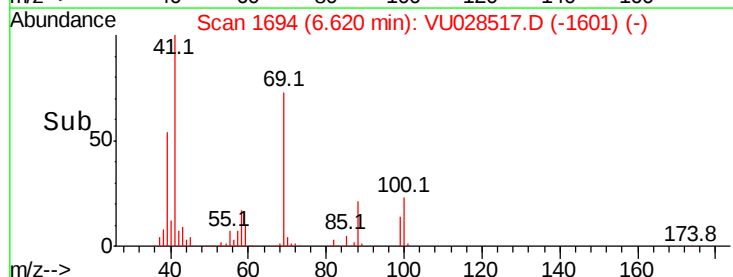
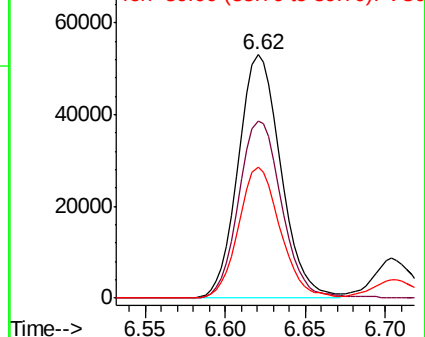
41 100

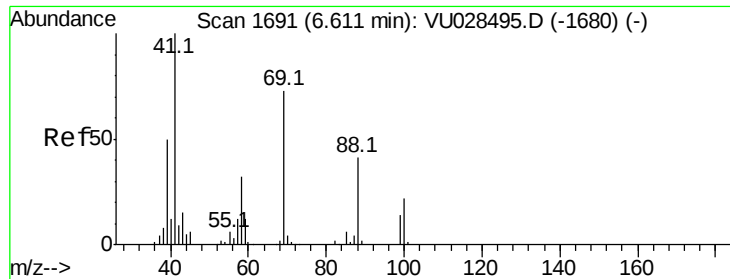
69 73.7 60.4 90.6

39 52.6 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

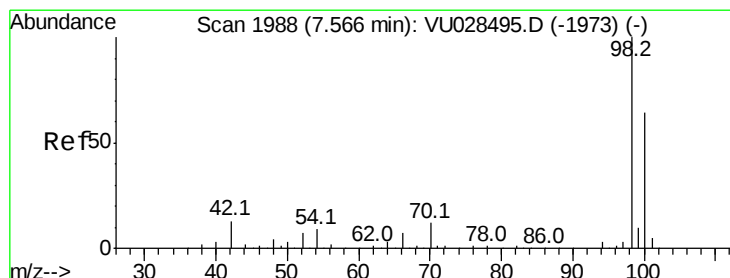
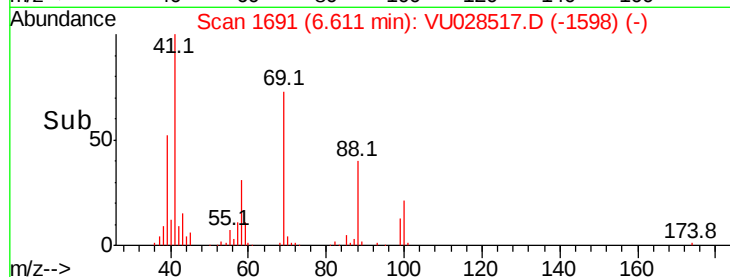
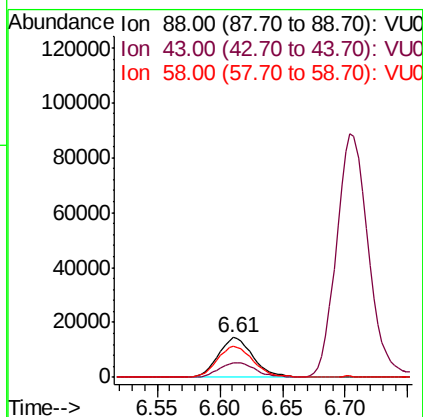
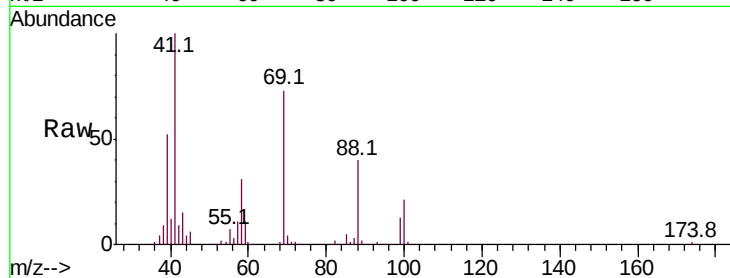




#49
1,4-Dioxane
Concen: 974.617 ug/l
RT: 6.61 min Scan# 1691
Delta R.T. -0.00 min
Lab File: VU028517.D
Acq: 06 Dec 2018 21:36

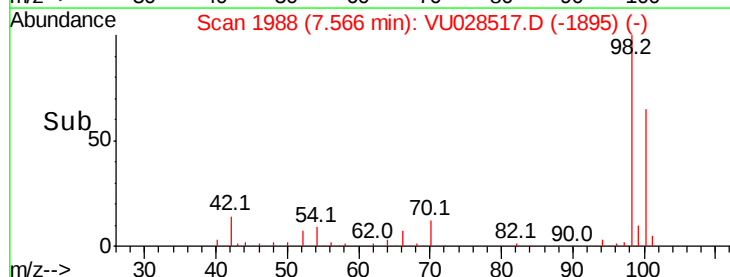
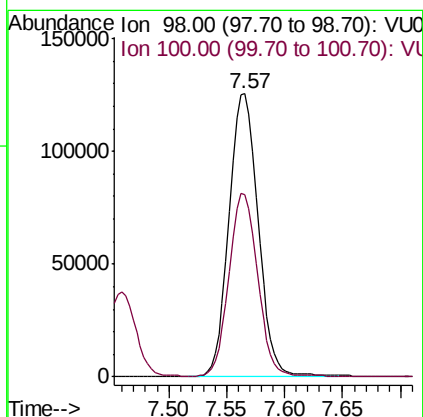
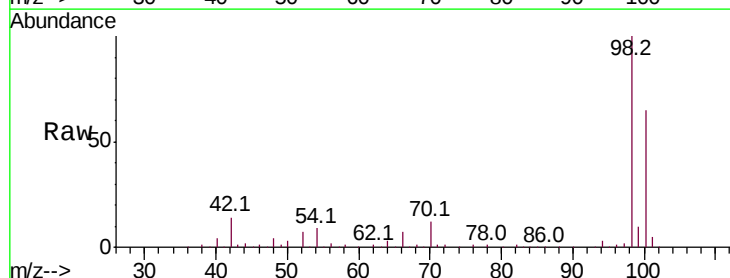
Instrument :
MSVOA_U
ClientSampleId :

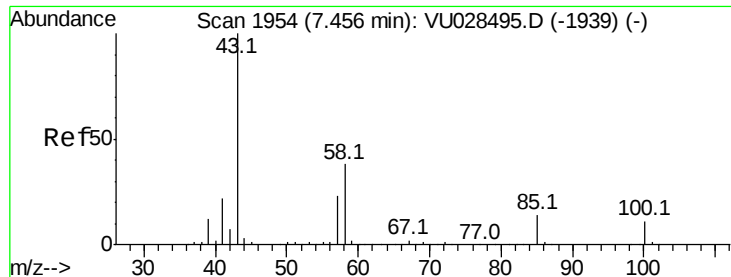
Tot Ion: 88 Resp: 27874
Ion Ratio Lower Upper
88 100
43 38.9 30.9 46.3
58 81.3 62.4 93.6



#50
Toluene-d8
Concen: 54.022 ug/l
RT: 7.57 min Scan# 1988
Delta R.T. 0.00 min
Lab File: VU028517.D
Acq: 06 Dec 2018 21:36

Tgt Ion: 98 Resp: 218919
Ion Ratio Lower Upper
98 100
100 63.1 51.0 76.6





#51

4-Methyl-2-Pentanone

Concen: 261.496 ug/l

RT: 7.46 min Scan# 1955

Delta R.T. 0.00 min

Lab File: VU028517.D

Acq: 06 Dec 2018 21:36

Instrument :

MSVOA_U

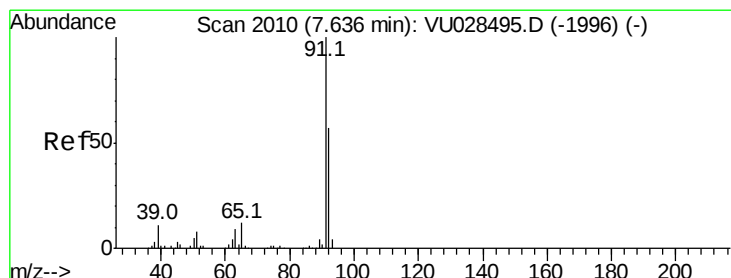
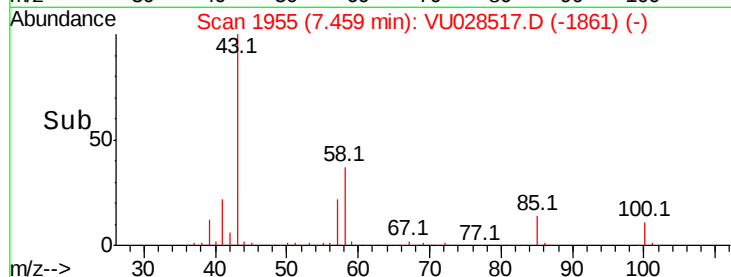
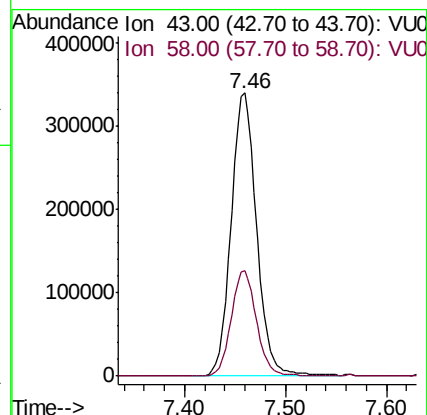
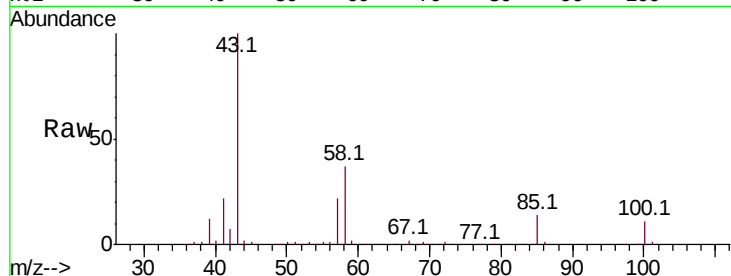
ClientSampleId :

Tot Ion: 43 Resp: 600712

Ion Ratio Lower Upper

43 100

58 36.9 30.2 45.2



#52

Toluene

Concen: 50.195 ug/l

RT: 7.64 min Scan# 2010

Delta R.T. -0.00 min

Lab File: VU028517.D

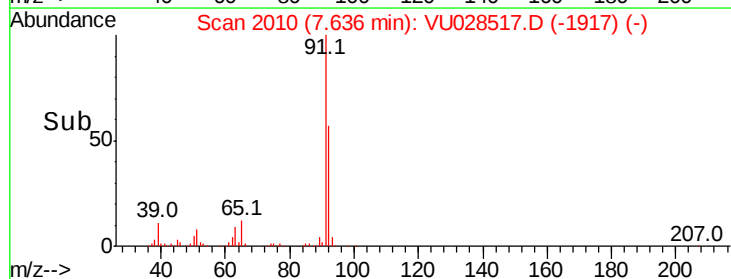
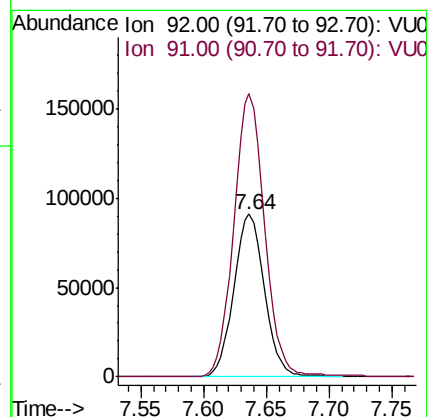
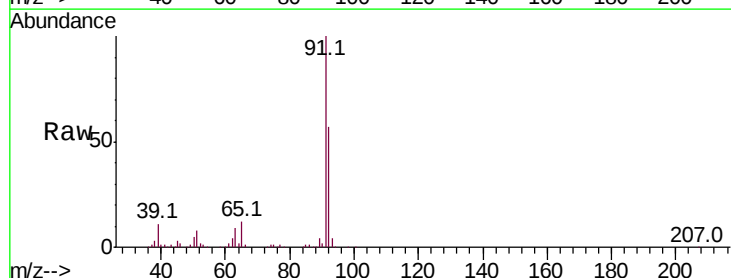
Acq: 06 Dec 2018 21:36

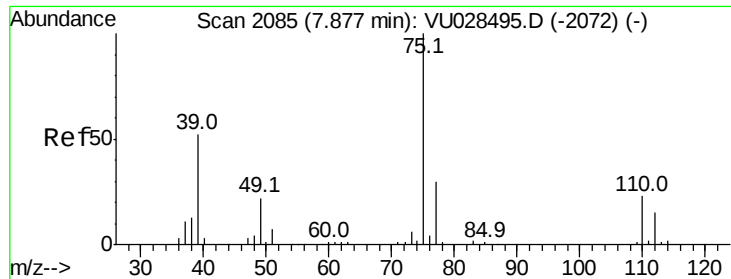
Tgt Ion: 92 Resp: 154985

Ion Ratio Lower Upper

92 100

91 175.4 140.2 210.4

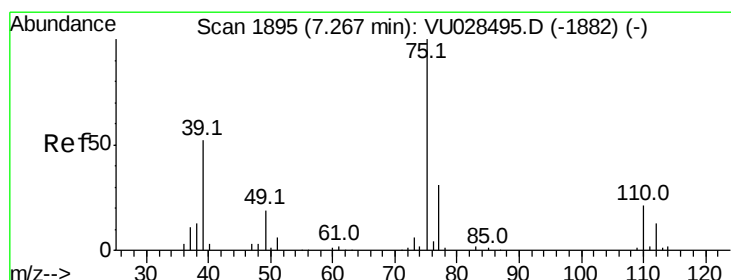
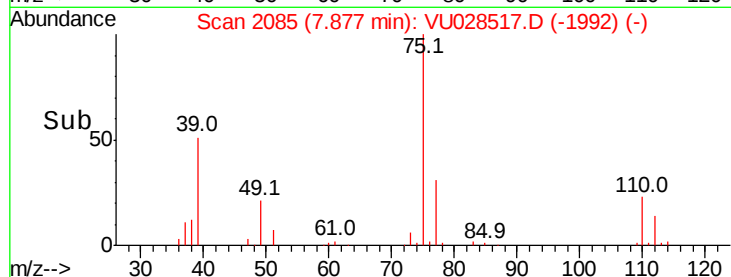
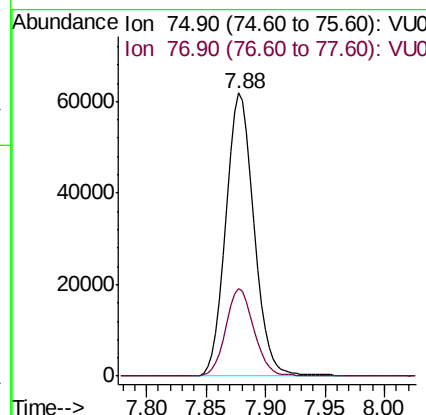
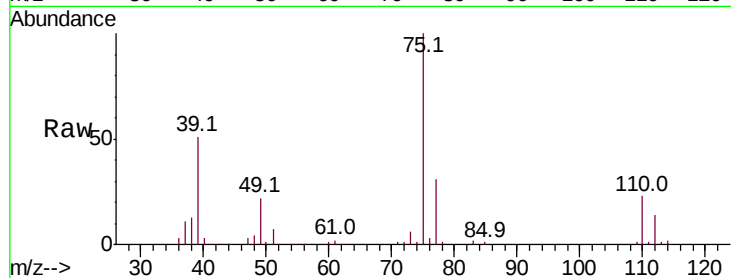




#53
 t-1,3-Dichloropropene
 Concen: 50.184 ug/l
 RT: 7.88 min Scan# 2085
 Delta R.T. -0.00 min
 Lab File: VU028517.D
 Acq: 06 Dec 2018 21:36

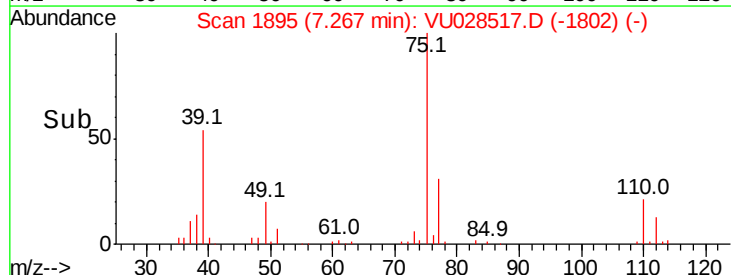
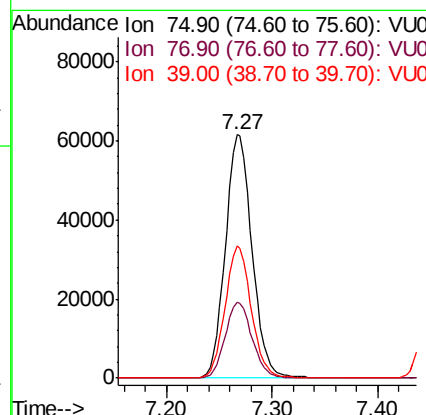
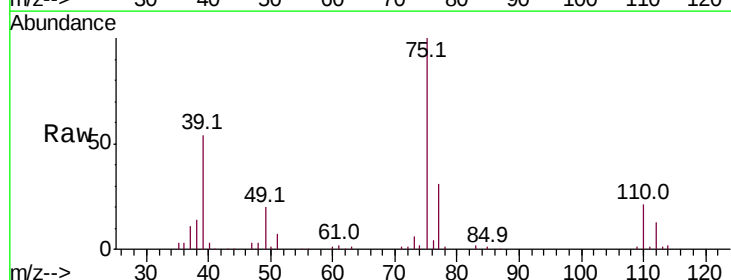
Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion: 75 Resp: 101810
 Ion Ratio Lower Upper
 75 100
 77 31.1 24.2 36.4



#54
 cis-1,3-Dichloropropene
 Concen: 48.923 ug/l
 RT: 7.27 min Scan# 1895
 Delta R.T. -0.00 min
 Lab File: VU028517.D
 Acq: 06 Dec 2018 21:36

Tgt Ion: 75 Resp: 107680
 Ion Ratio Lower Upper
 75 100
 77 30.9 25.0 37.4
 39 54.1 41.3 61.9

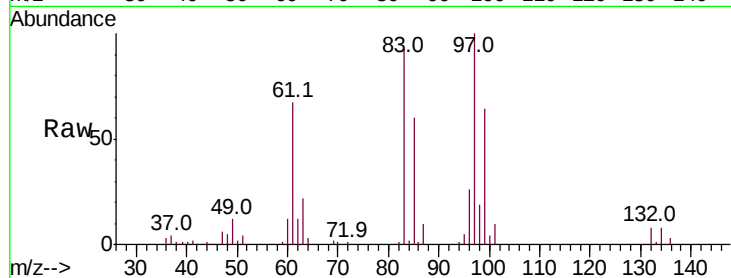




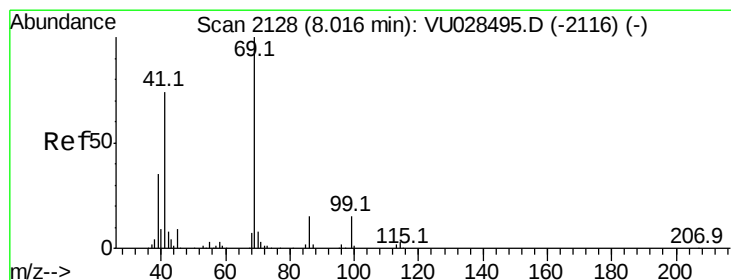
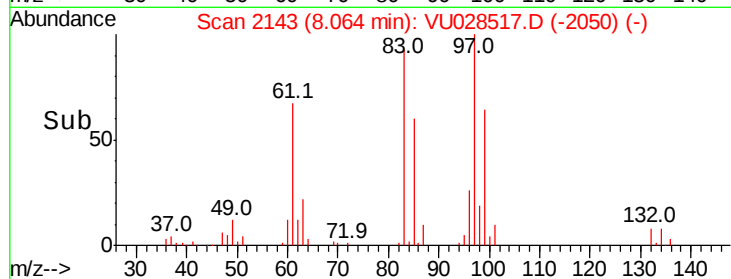
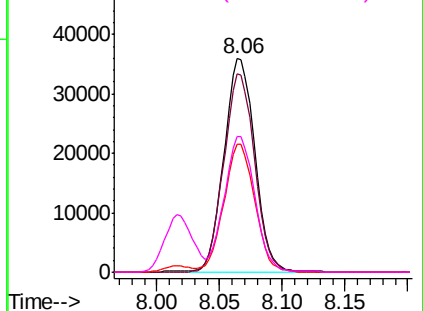
#55
 1,1,2-Trichloroethane
 Concen: 50.542 ug/l
 RT: 8.06 min Scan# 2143
 Delta R.T. -0.00 min
 Lab File: VU028517.D
 Acq: 06 Dec 2018 21:36

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion:	97	Resp:	61688
Ion	Ratio	Lower	Upper
97	100		
83	92.7	72.4	108.6
85	60.0	46.0	69.0
99	63.5	47.4	71.2

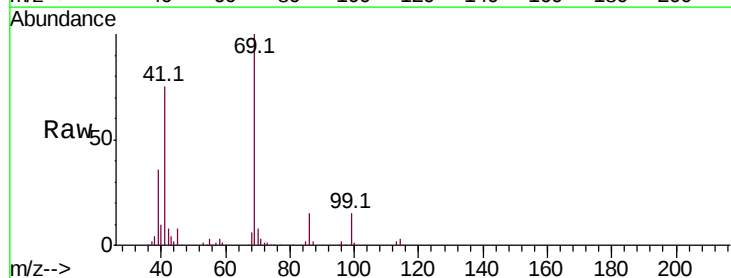


Abundance Ion 96.90 (96.60 to 97.60): VU0
 Ion 82.90 (82.60 to 83.60): VU0
 Ion 84.90 (84.60 to 85.60): VU0
 Ion 98.90 (98.60 to 99.60): VU0

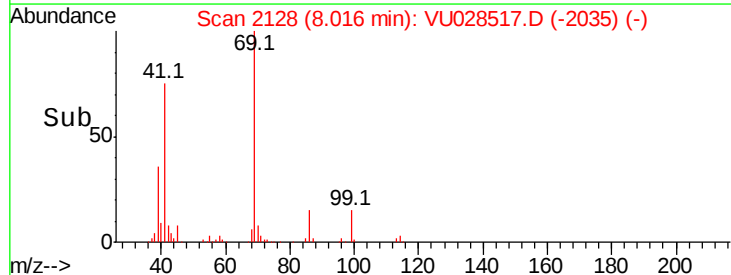
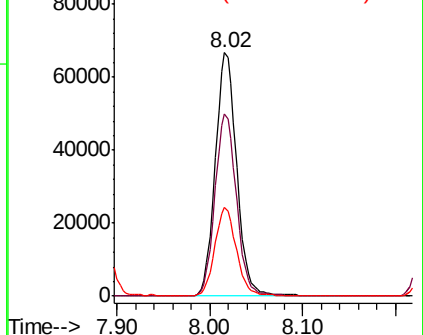


#56
 Ethyl methacrylate
 Concen: 51.298 ug/l
 RT: 8.02 min Scan# 2128
 Delta R.T. -0.00 min
 Lab File: VU028517.D
 Acq: 06 Dec 2018 21:36

Tgt Ion:	69	Resp:	107218
Ion	Ratio	Lower	Upper
69	100		
41	75.0	59.1	88.7
39	36.7	28.4	42.6



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





#57

1,3-Dichloropropane

Concen: 50.295 ug/l

RT: 8.24 min Scan# 2198

Delta R.T. 0.00 min

Lab File: VU028517.D

Acq: 06 Dec 2018 21:36

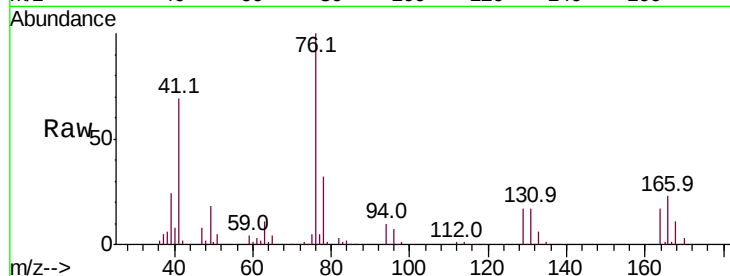
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 76 Resp: 113951

Ion Ratio Lower Upper

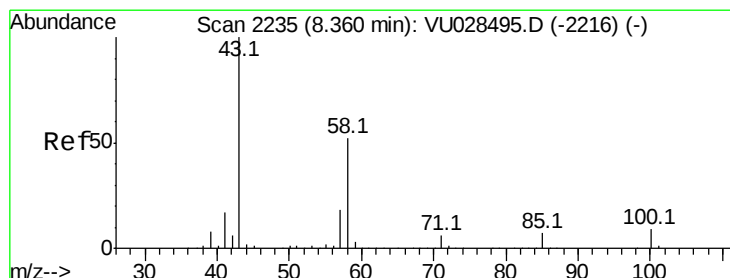
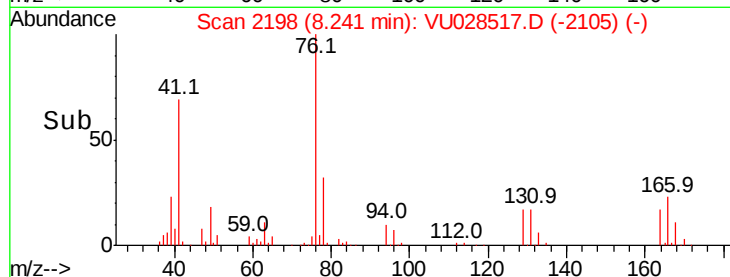
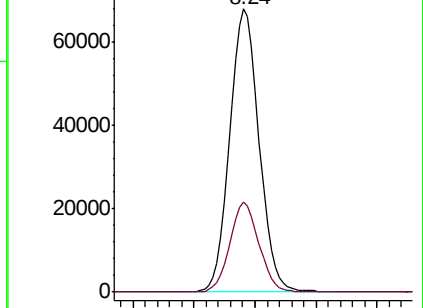
76 100

78 31.5 25.2 37.8



Abundance Ion 75.90 (75.60 to 76.60): VU028495.D (-2184) (-)

Ion 77.90 (77.60 to 78.60): VU028495.D (-2184) (-)



#59

2-Hexanone

Concen: 248.708 ug/l

RT: 8.36 min Scan# 2235

Delta R.T. 0.00 min

Lab File: VU028517.D

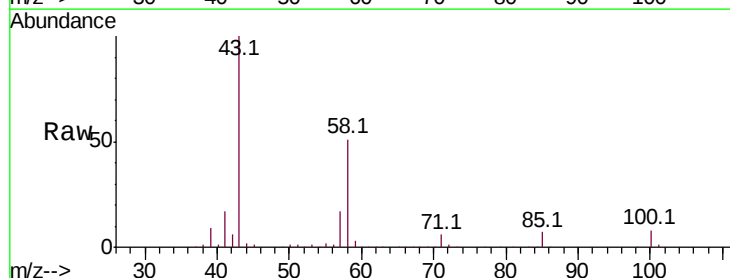
Acq: 06 Dec 2018 21:36

Tgt Ion: 43 Resp: 452845

Ion Ratio Lower Upper

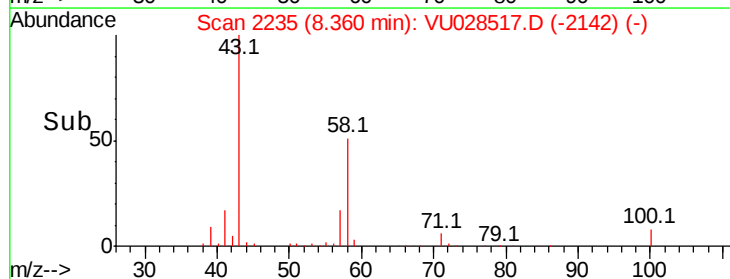
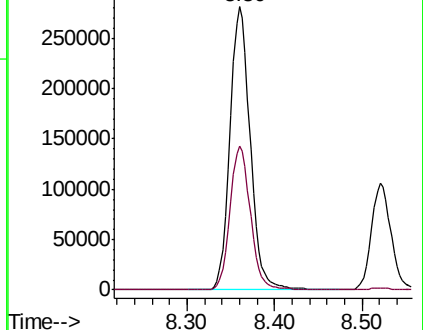
43 100

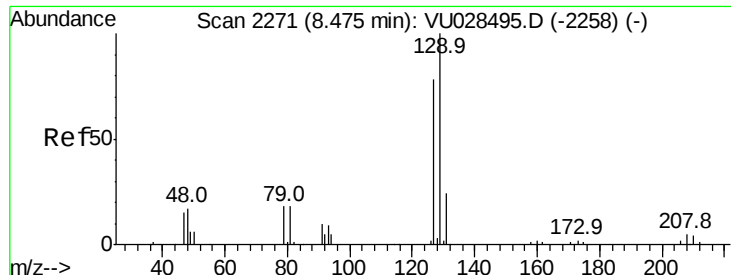
58 51.4 25.9 77.6



Abundance Ion 43.00 (42.70 to 43.70): VU028495.D (-2216) (-)

Ion 58.00 (57.70 to 58.70): VU028495.D (-2216) (-)





#60

Dibromochloromethane

Concen: 49.047 ug/l

RT: 8.48 min Scan# 2271

Delta R.T. 0.00 min

Lab File: VU028517.D

Acq: 06 Dec 2018 21:36

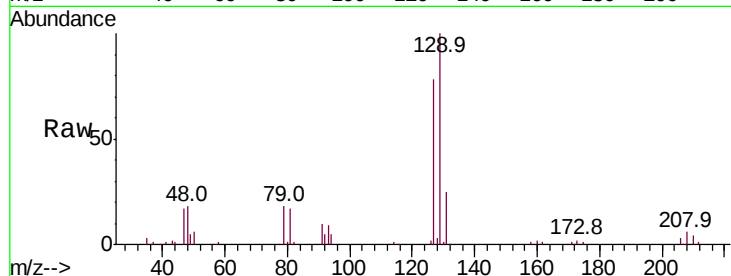
Instrument :
MSVOA_U
ClientSampled :

Tot Ion:129 Resp: 58610

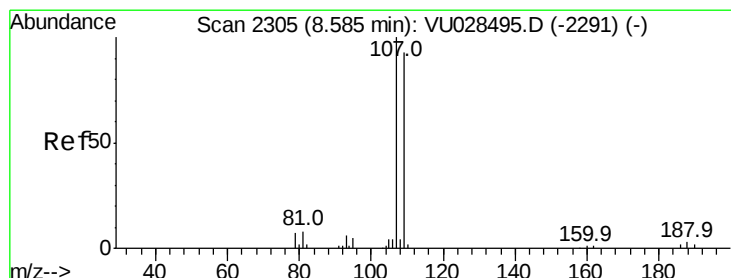
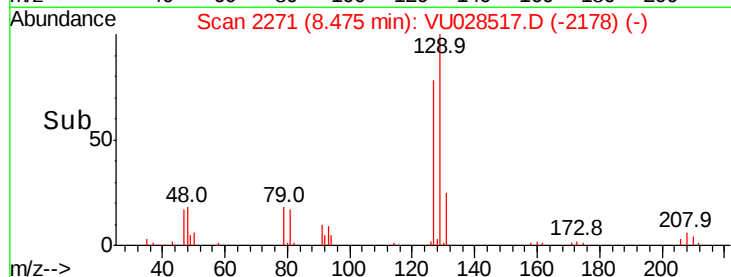
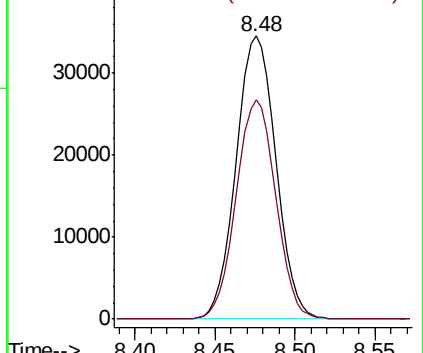
Ion Ratio Lower Upper

129 100

127 77.1 39.1 117.3



Abundance Ion 128.80 (128.50 to 129.50): V
Ion 126.80 (126.50 to 127.50): V



#61

1,2-Dibromoethane

Concen: 51.248 ug/l

RT: 8.58 min Scan# 2305

Delta R.T. -0.00 min

Lab File: VU028517.D

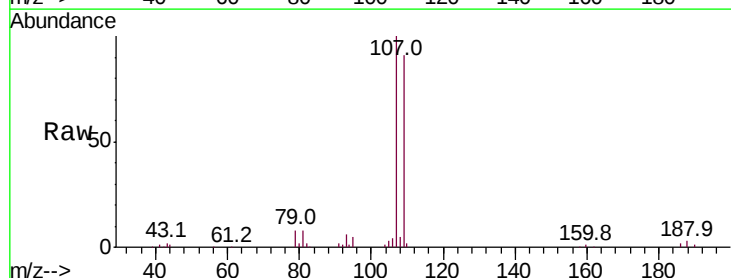
Acq: 06 Dec 2018 21:36

Tgt Ion:107 Resp: 65593

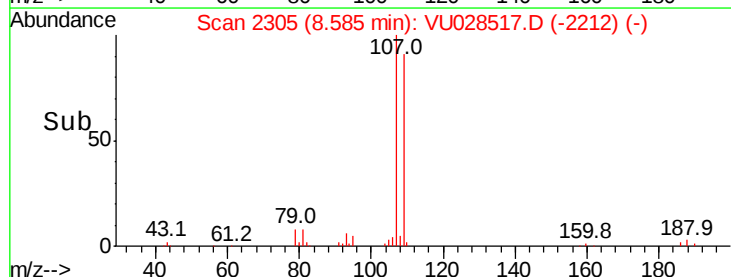
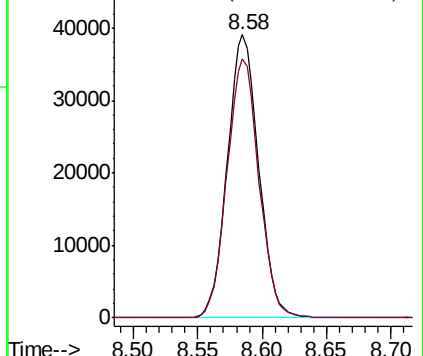
Ion Ratio Lower Upper

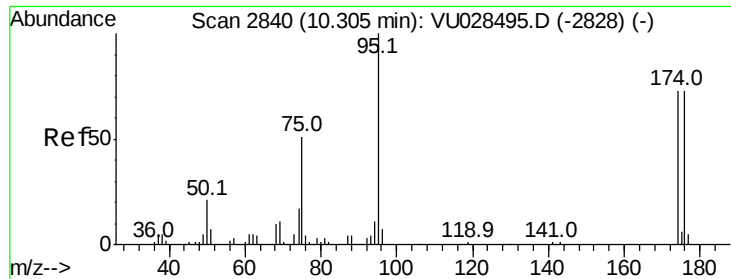
107 100

109 93.7 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: 53.519 ug/l

RT: 10.30 min Scan# 2840

Delta R.T. -0.00 min

Lab File: VU028517.D

Acq: 06 Dec 2018 21:36

Instrument :

MSVOA_U

ClientSampleId :

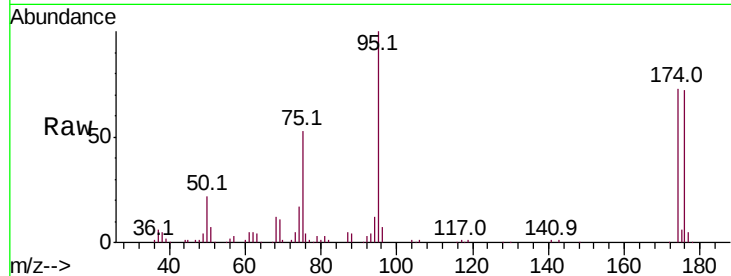
Tot Ion: 95 Resp: 81063

Ion Ratio Lower Upper

95 100

174 75.0 0.0 150.4

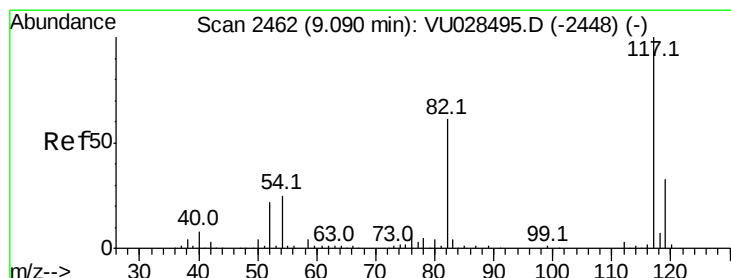
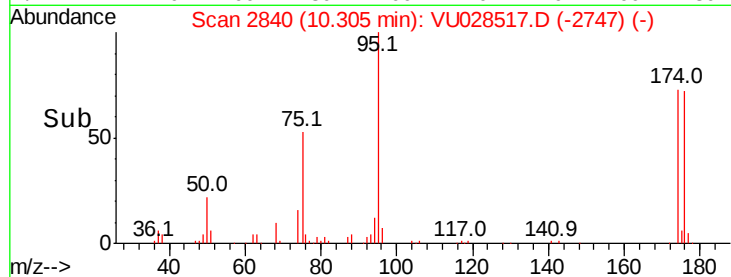
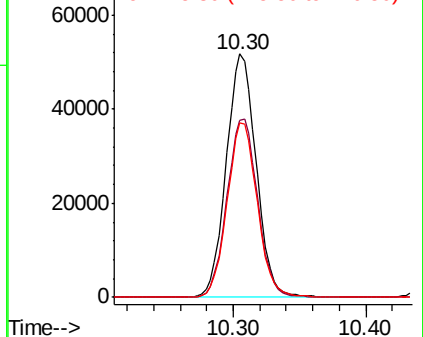
176 72.1 0.0 145.2



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: VU028517.D

Acq: 06 Dec 2018 21:36

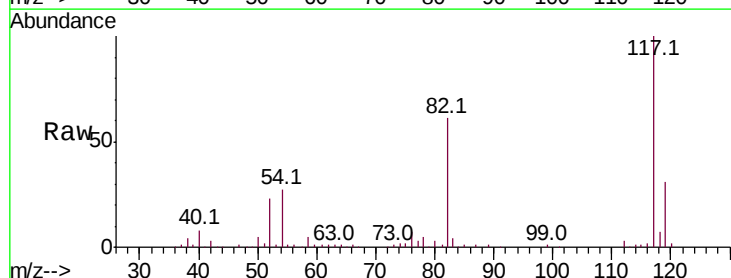
Tgt Ion: 117 Resp: 155277

Ion Ratio Lower Upper

117 100

82 61.3 48.9 73.3

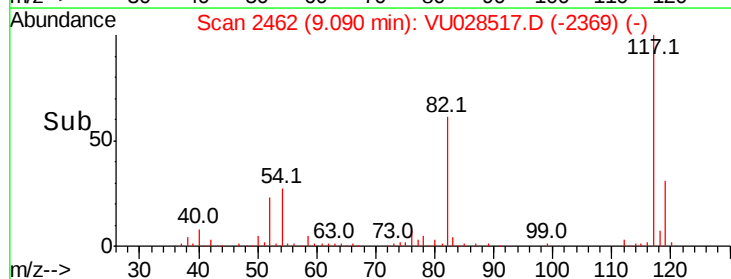
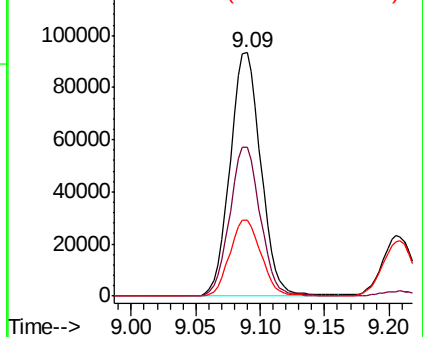
119 31.3 26.2 39.4

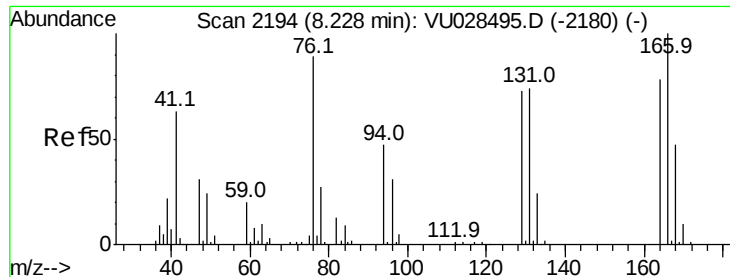


Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VU0

Ion 118.90 (118.60 to 119.60): V





#64

Tetrachloroethene

Concen: 44.872 ug/l

RT: 8.23 min Scan# 2194

Delta R.T. -0.00 min

Lab File: VU028517.D

Acq: 06 Dec 2018 21:36

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion:164 Resp: 46475

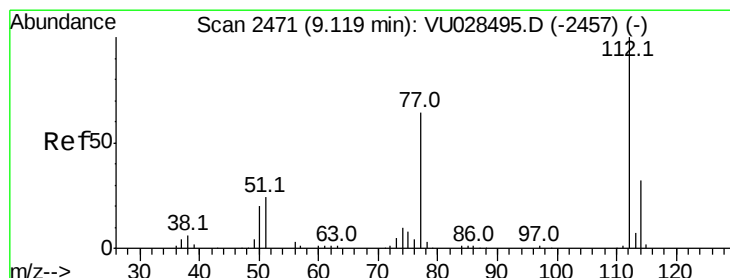
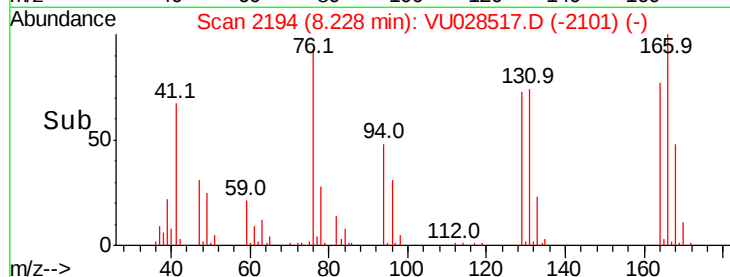
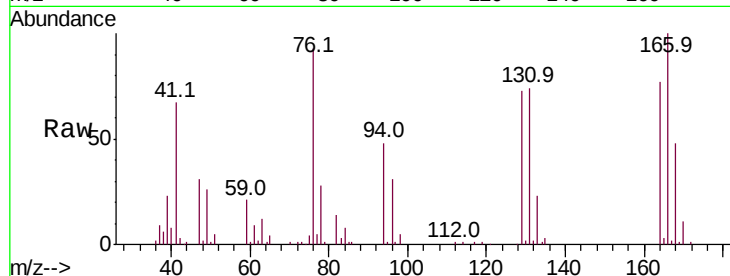
Ion Ratio Lower Upper

164 100

166 130.1 101.9 152.9

129 95.6 74.9 112.3

131 95.7 75.4 113.0



#65

Chlorobenzene

Concen: 48.049 ug/l

RT: 9.12 min Scan# 2471

Delta R.T. -0.00 min

Lab File: VU028517.D

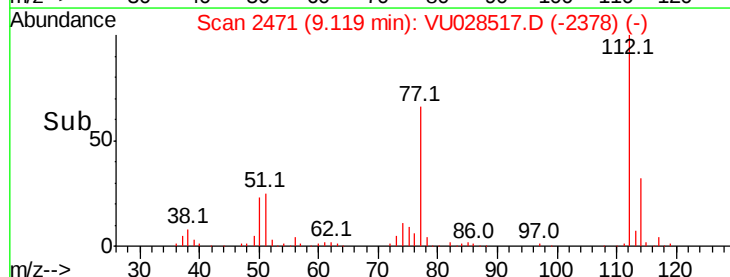
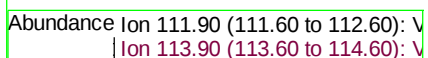
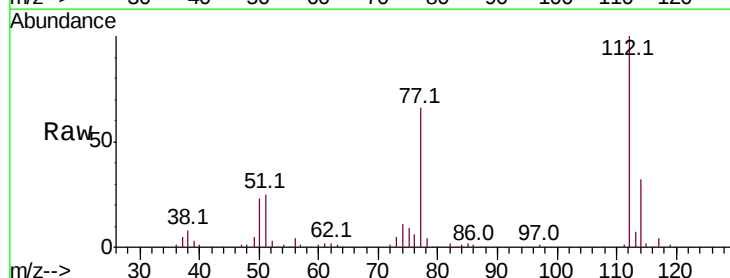
Acq: 06 Dec 2018 21:36

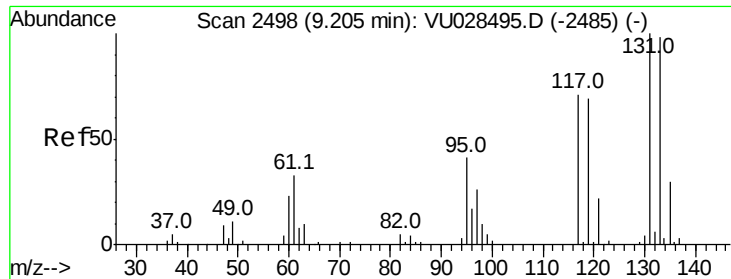
Tgt Ion:112 Resp: 158983

Ion Ratio Lower Upper

112 100

114 32.0 25.3 37.9





#66

1,1,1,2-Tetrachloroethane

Concen: 50.462 ug/l

RT: 9.21 min Scan# 2498

Delta R.T. -0.00 min

Lab File: VU028517.D

Acq: 06 Dec 2018 21:36

Instrument :

MSVOA_U

ClientSampleId :

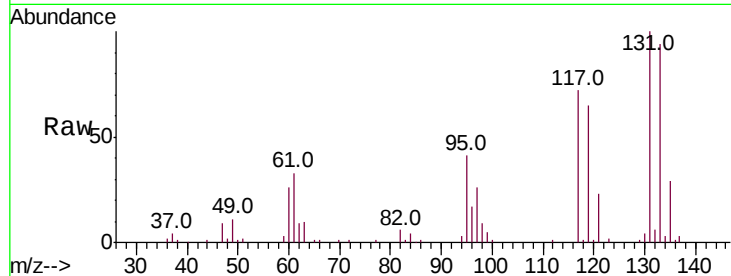
Tot Ion:131 Resp: 53319

Ion Ratio Lower Upper

131 100

133 94.5 48.0 144.0

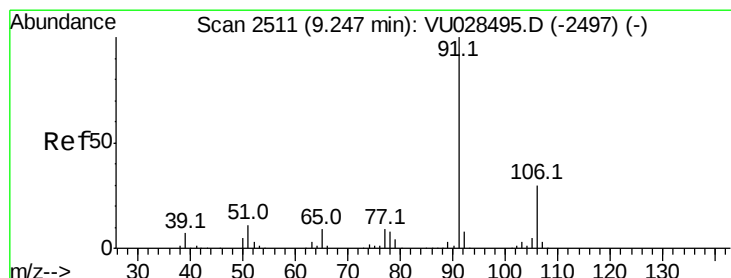
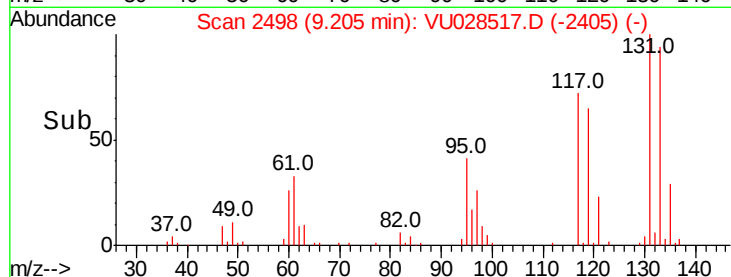
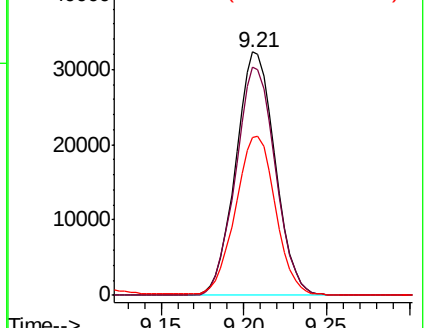
119 66.5 34.6 103.9



Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V



#67

Ethyl Benzene

Concen: 48.386 ug/l

RT: 9.25 min Scan# 2511

Delta R.T. -0.00 min

Lab File: VU028517.D

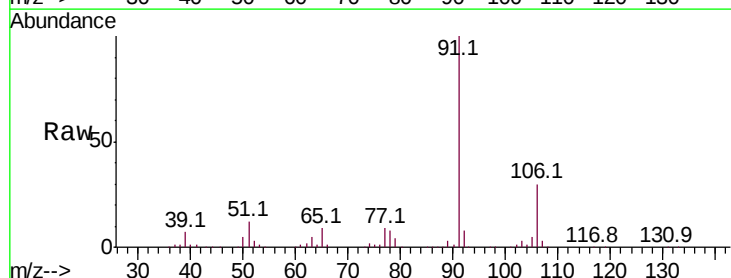
Acq: 06 Dec 2018 21:36

Tgt Ion: 91 Resp: 294313

Ion Ratio Lower Upper

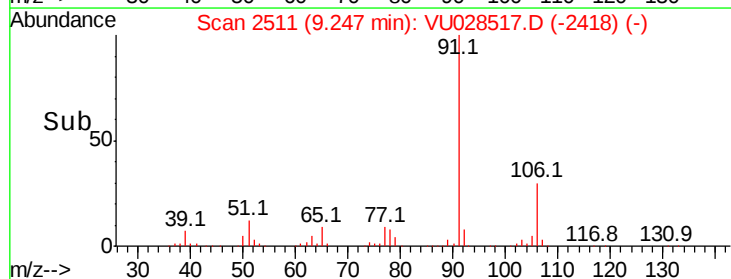
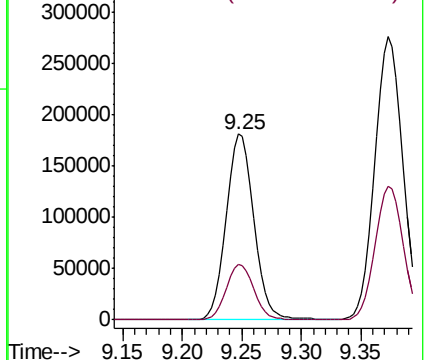
91 100

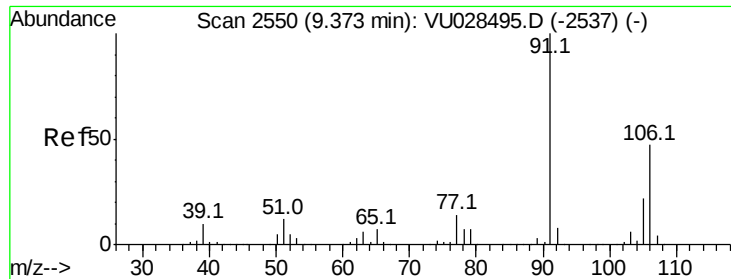
106 29.9 24.1 36.1



Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 106.00 (105.70 to 106.70): V

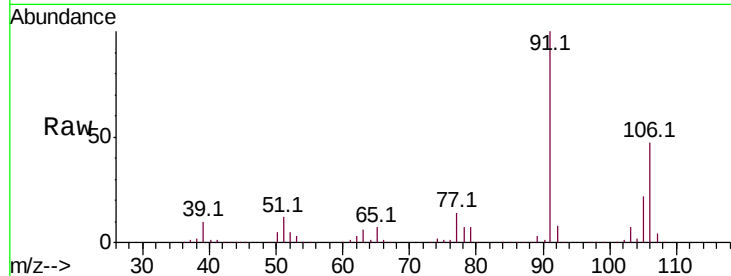




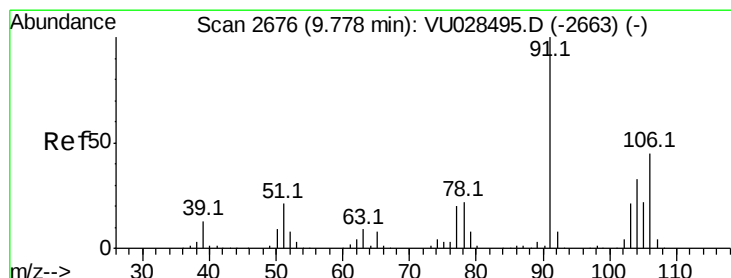
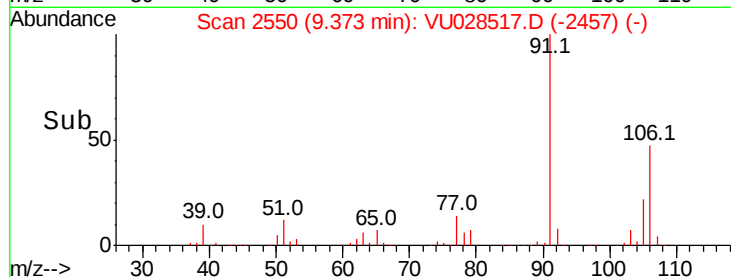
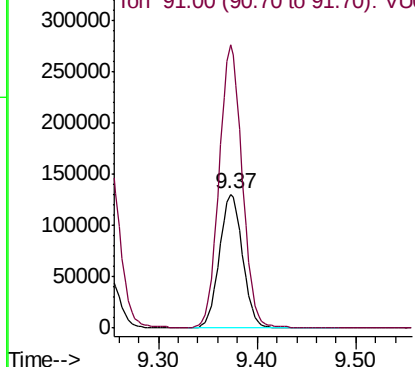
#68
m/p-Xylenes
Concen: 98.027 ug/l
RT: 9.37 min Scan# 2550
Delta R.T. -0.00 min
Lab File: VU028517.D
Acq: 06 Dec 2018 21:36

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion:106 Resp: 216965
Ion Ratio Lower Upper
106 100
91 210.2 167.4 251.0

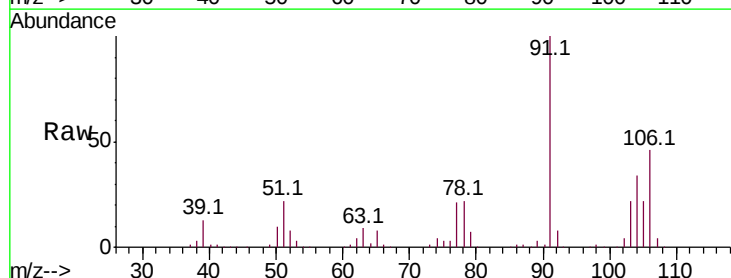


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VU0

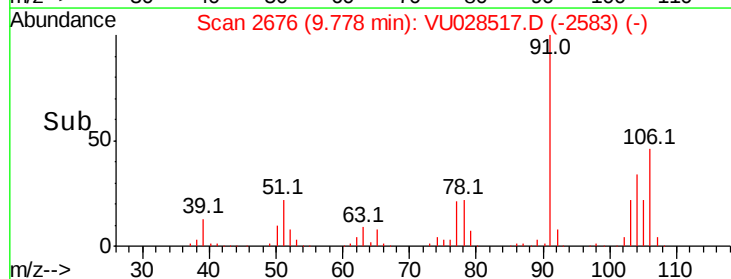
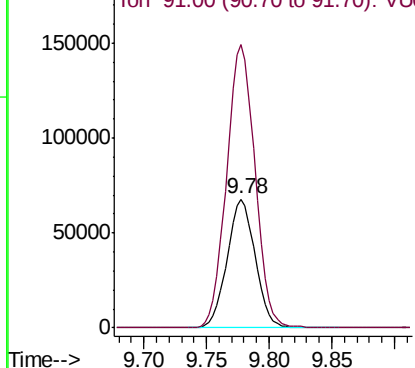


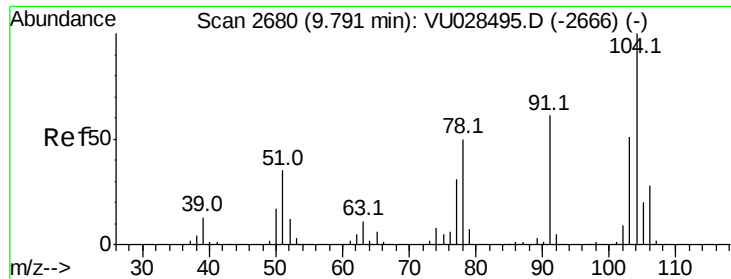
#69
o-Xylene
Concen: 49.252 ug/l
RT: 9.78 min Scan# 2676
Delta R.T. 0.00 min
Lab File: VU028517.D
Acq: 06 Dec 2018 21:36

Tgt Ion:106 Resp: 105936
Ion Ratio Lower Upper
106 100
91 222.8 111.3 334.0



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

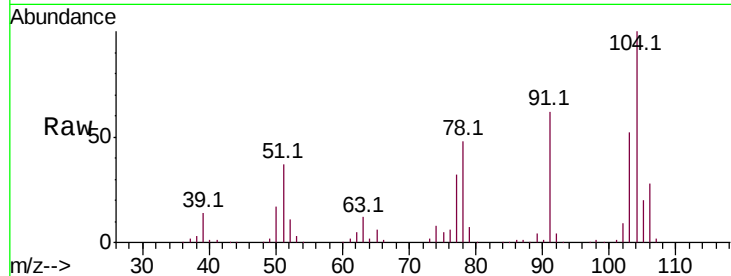




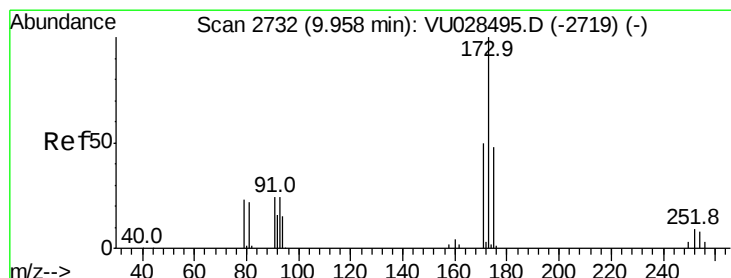
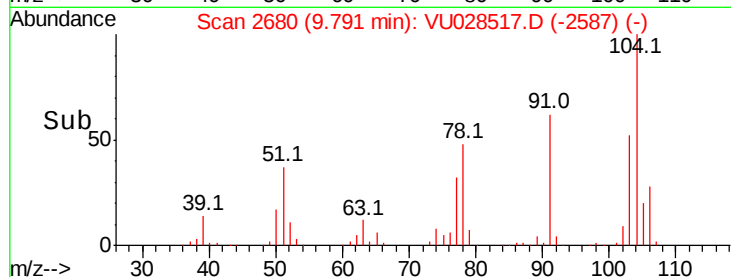
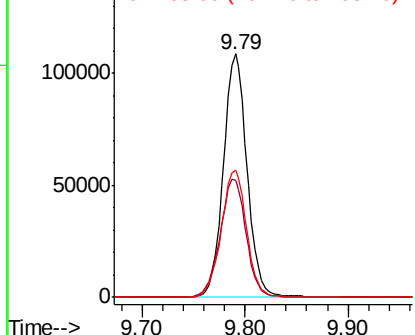
#70
Stvrene
Concen: 48.779 ug/l
RT: 9.79 min Scan# 2680
Delta R.T. -0.00 min
Lab File: VU028517.D
Acq: 06 Dec 2018 21:36

Instrument :
MSVOA_U
ClientSampled :

Tot Ion:104 Resp: 173632
Ion Ratio Lower Upper
104 100
78 53.3 43.0 64.6
103 56.0 44.2 66.4

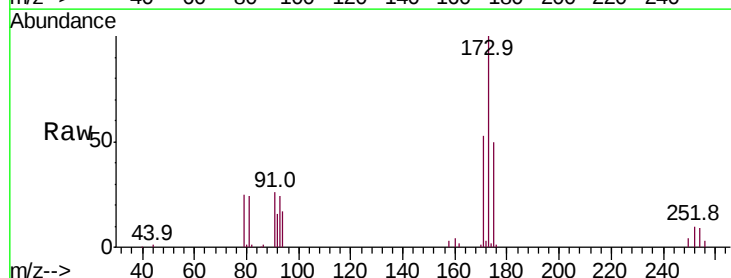


Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VU0
Ion 103.00 (102.70 to 103.70): V

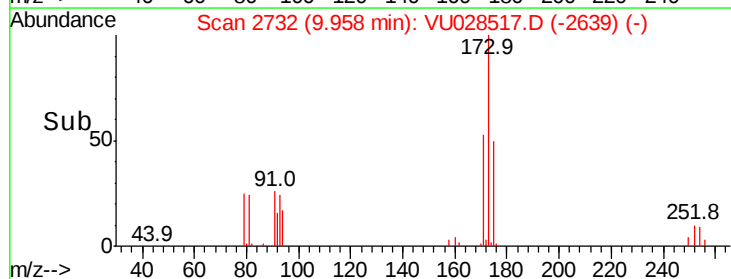
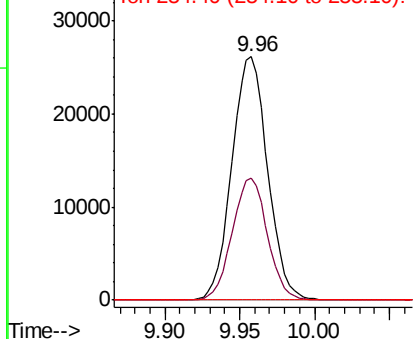


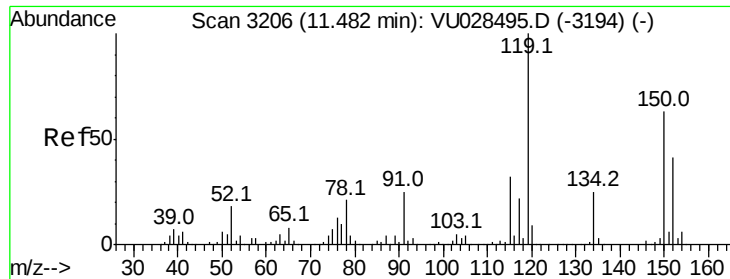
#71
Bromoform
Concen: 48.469 ug/l
RT: 9.96 min Scan# 2732
Delta R.T. -0.00 min
Lab File: VU028517.D
Acq: 06 Dec 2018 21:36

Tgt Ion:173 Resp: 43566
Ion Ratio Lower Upper
173 100
175 49.1 23.9 71.8
254 0.0 0.0 0.0



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





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 11.48 min Scan# 3206

Delta R.T. -0.00 min

Lab File: VU028517.D

Acq: 06 Dec 2018 21:36

Instrument :

MSVOA_U

ClientSampled :

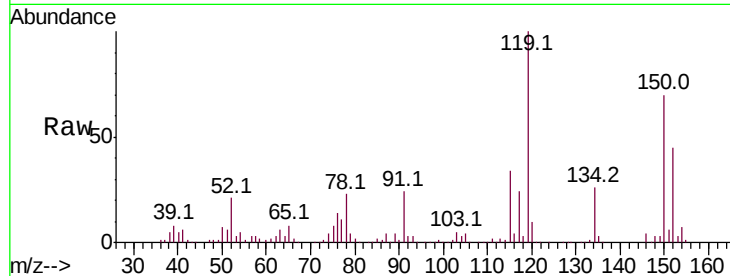
Tot Ion:152 Resp: 78709

Ion Ratio Lower Upper

152 100

115 83.6 42.7 128.1

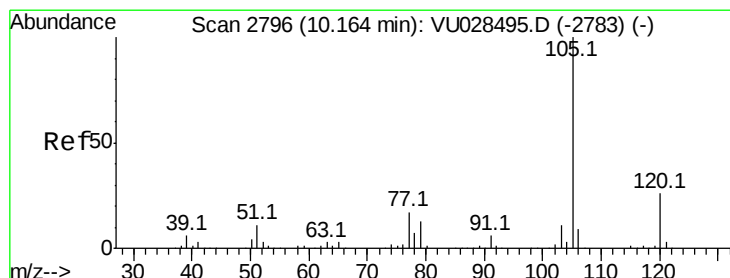
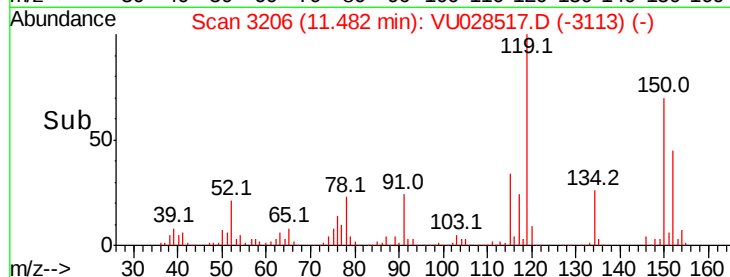
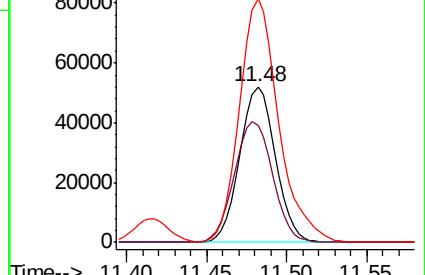
150 172.6 0.0 346.0



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: 46.113 ug/l

RT: 10.16 min Scan# 2796

Delta R.T. 0.00 min

Lab File: VU028517.D

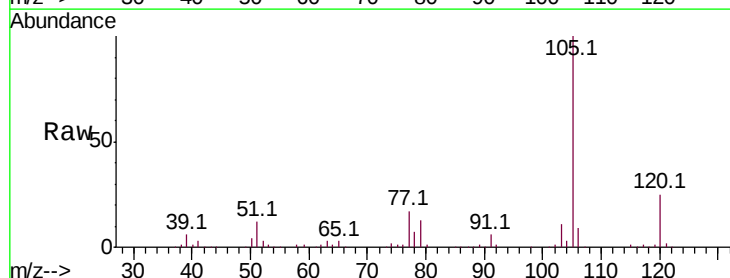
Acq: 06 Dec 2018 21:36

Tgt Ion:105 Resp: 278506

Ion Ratio Lower Upper

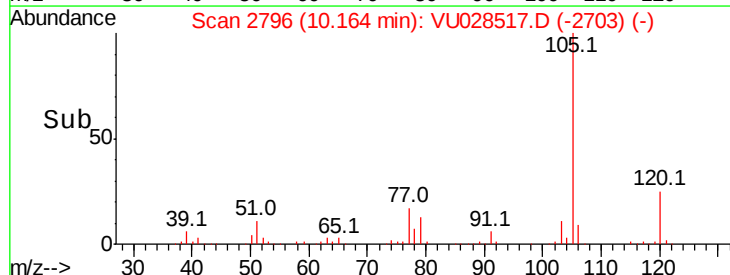
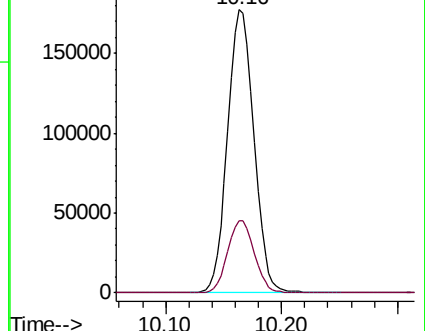
105 100

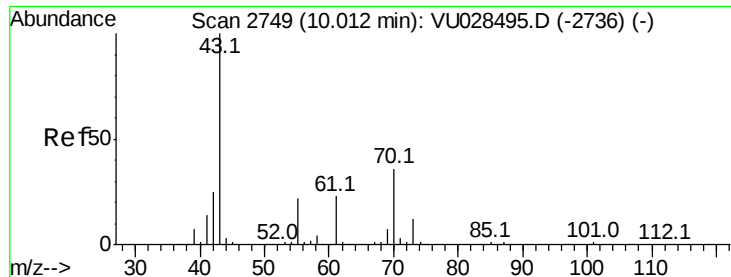
120 25.9 12.9 38.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#74

N-amvl acetate

Concen: 46.013 ug/l

RT: 10.01 min Scan# 2749

Delta R.T. 0.00 min

Lab File: VU028517.D

Acq: 06 Dec 2018 21:36

Instrument :

MSVOA_U

ClientSampleId :

Tot Ion: 43 Resp: 160302

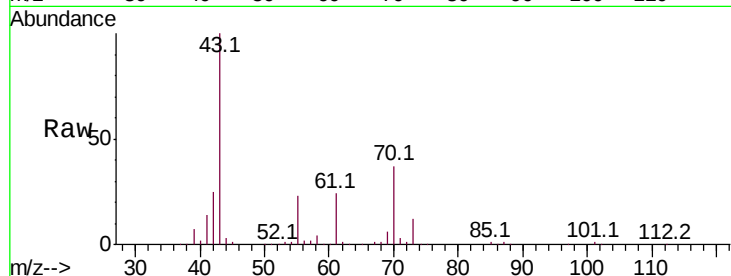
Ion Ratio Lower Upper

43 100

70 36.3 29.3 43.9

55 22.5 18.0 27.0

61 22.8 18.3 27.5

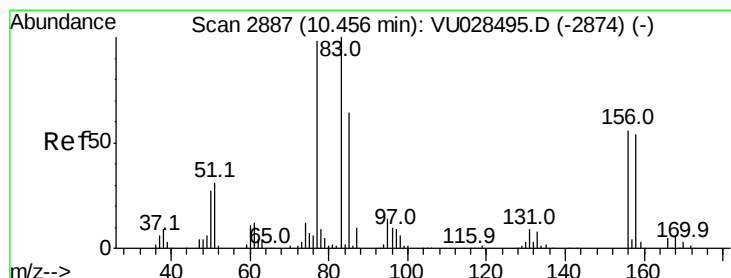
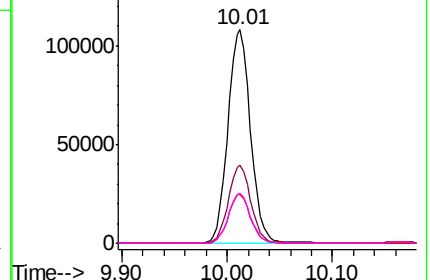
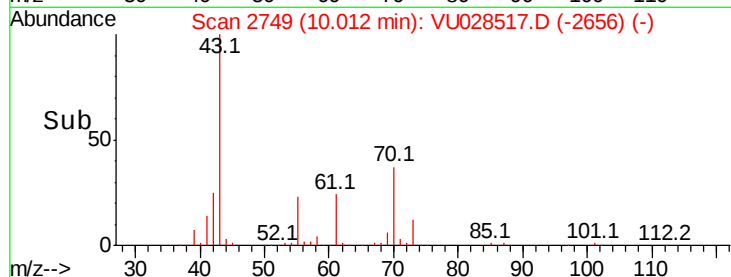


Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 70.00 (69.70 to 70.70): VU0

Ion 55.00 (54.70 to 55.70): VU0

Ion 61.00 (60.70 to 61.70): VU0



#75

1,1,2,2-Tetrachloroethane

Concen: 48.133 ug/l

RT: 10.46 min Scan# 2887

Delta R.T. -0.00 min

Lab File: VU028517.D

Acq: 06 Dec 2018 21:36

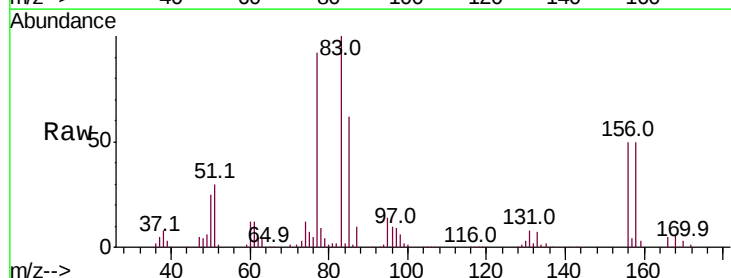
Tgt Ion: 83 Resp: 111672

Ion Ratio Lower Upper

83 100

131 8.1 4.2 12.4

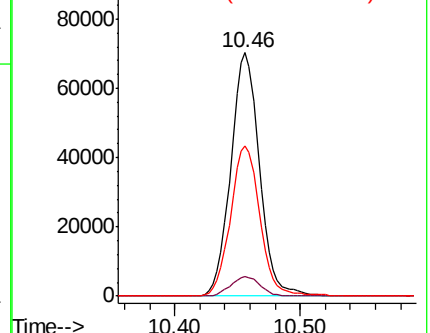
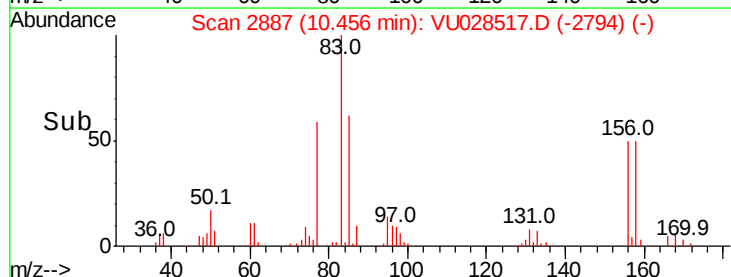
85 63.2 31.8 95.4

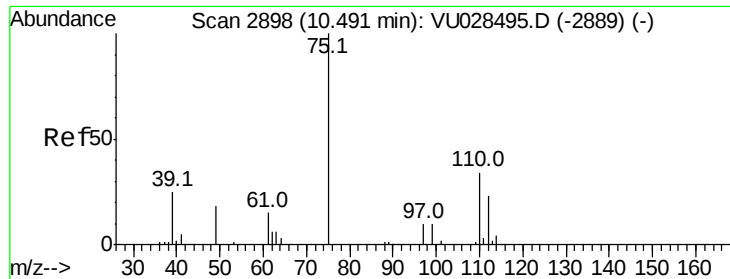


Abundance Ion 82.90 (82.60 to 83.60): VU0

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VU0

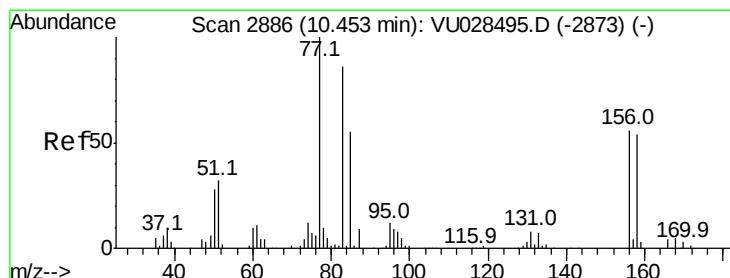
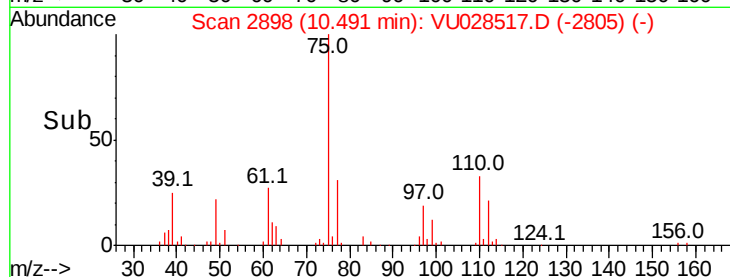
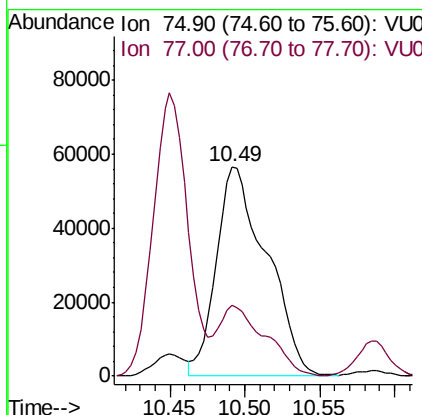
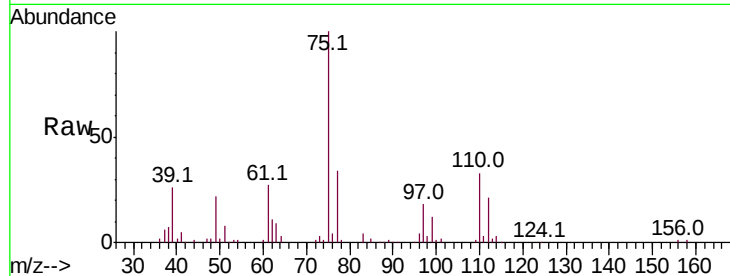




#76
 1,2,3-Trichloropropane
 Concen: 66.121 ug/l
 RT: 10.49 min Scan# 2898
 Delta R.T. -0.00 min
 Lab File: VU028517.D
 Acq: 06 Dec 2018 21:36

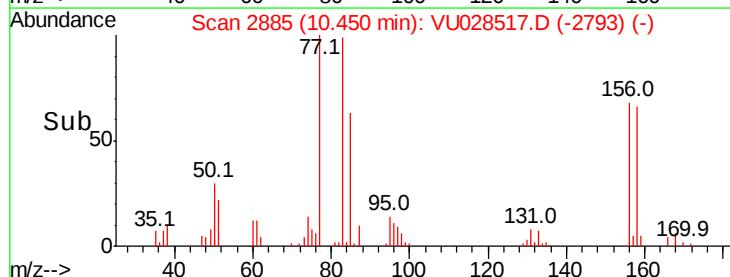
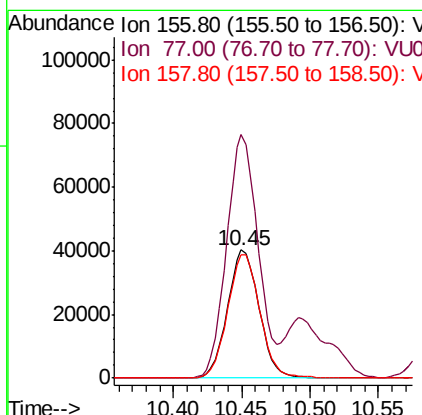
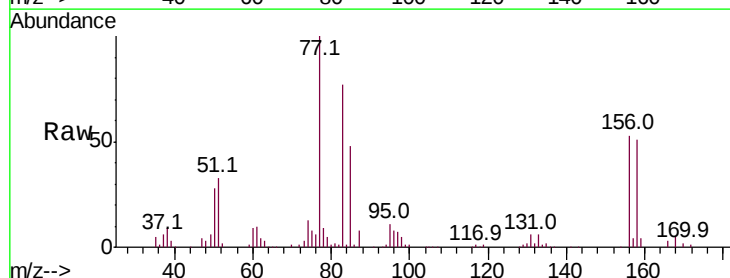
Instrument :
 MSVOA_U
 ClientSampleId :

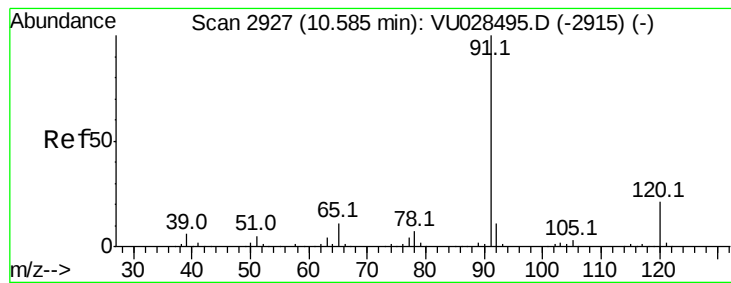
Tot Ion: 75 Resp: 132893
 Ion Ratio Lower Upper
 75 100
 77 30.3 20.8 62.4



#77
 Bromobenzene
 Concen: 46.024 ug/l
 RT: 10.45 min Scan# 2885
 Delta R.T. -0.00 min
 Lab File: VU028517.D
 Acq: 06 Dec 2018 21:36

Tgt Ion: 156 Resp: 65009
 Ion Ratio Lower Upper
 156 100
 77 188.3 92.4 277.2
 158 98.1 48.4 145.3





#78

n-propylbenzene

Concen: 46.551 ug/l

RT: 10.58 min Scan# 2927

Delta R.T. -0.00 min

Lab File: VU028517.D

Acq: 06 Dec 2018 21:36

Instrument :

MSVOA_U

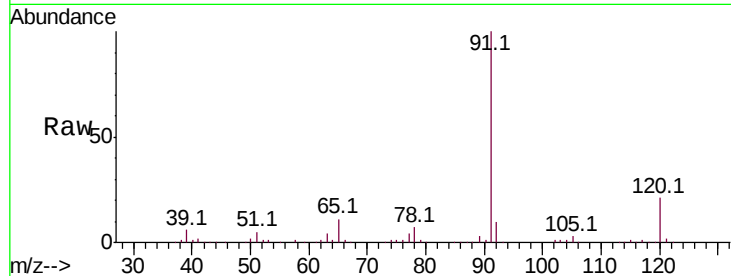
ClientSampleId :

Tot Ion: 91 Resp: 349354

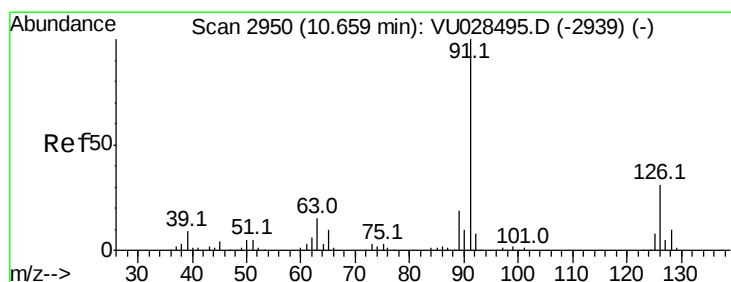
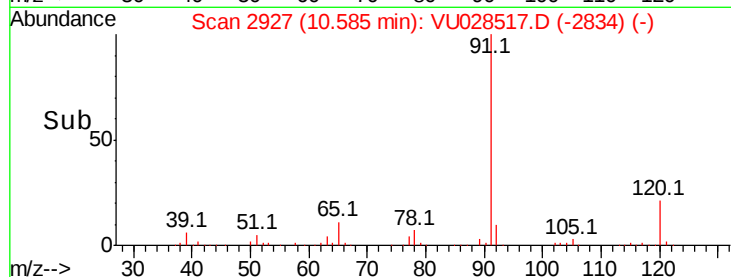
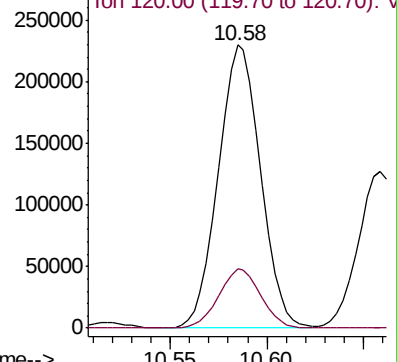
Ion Ratio Lower Upper

91 100

120 20.8 10.6 31.8



Abundance Ion 91.00 (90.70 to 91.70): VU028495.D (-2915) (-)



#79

2-Chlorotoluene

Concen: 46.899 ug/l

RT: 10.66 min Scan# 2950

Delta R.T. -0.00 min

Lab File: VU028517.D

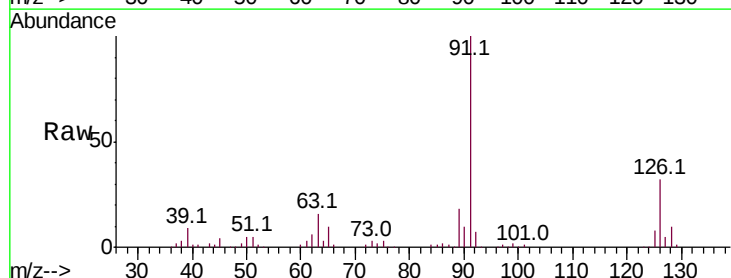
Acq: 06 Dec 2018 21:36

Tgt Ion: 91 Resp: 202742

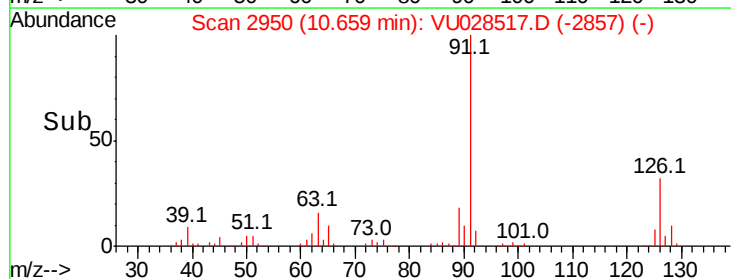
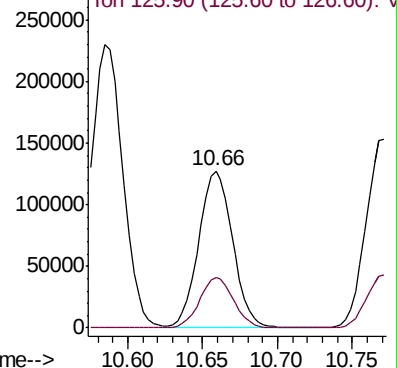
Ion Ratio Lower Upper

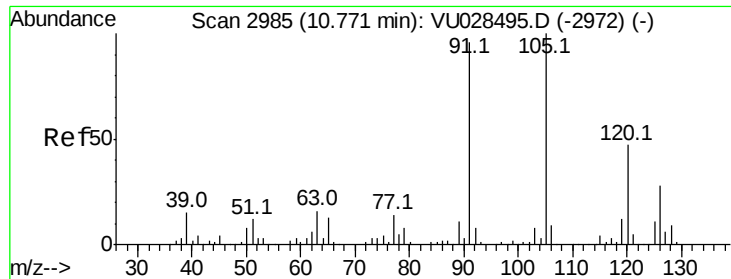
91 100

126 31.7 15.6 46.8



Abundance Ion 91.00 (90.70 to 91.70): VU028495.D (-2939) (-)

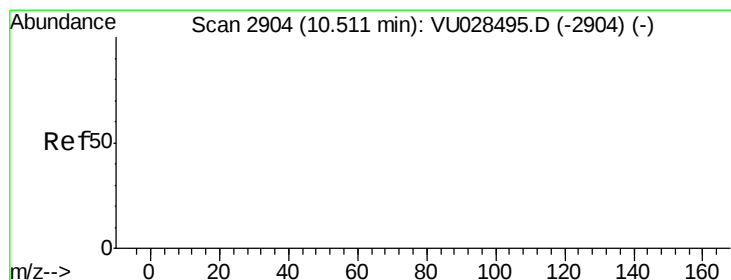
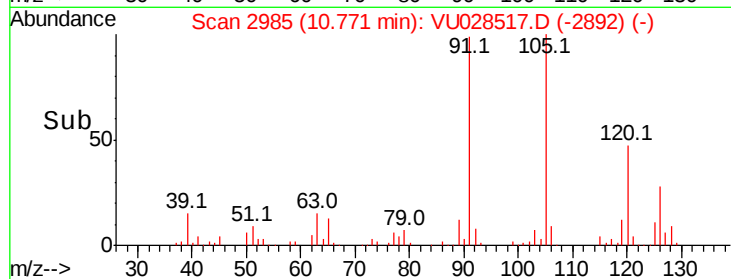
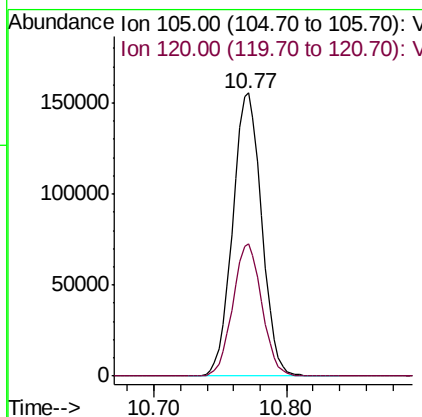
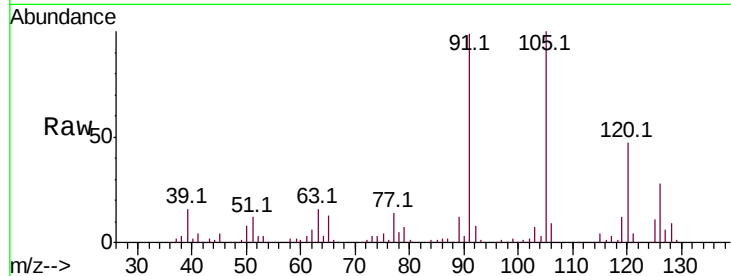




#80
 1,3,5-Trimethylbenzene
 Concen: 47.177 ug/l
 RT: 10.77 min Scan# 2985
 Delta R.T. -0.00 min
 Lab File: VU028517.D
 Acq: 06 Dec 2018 21:36

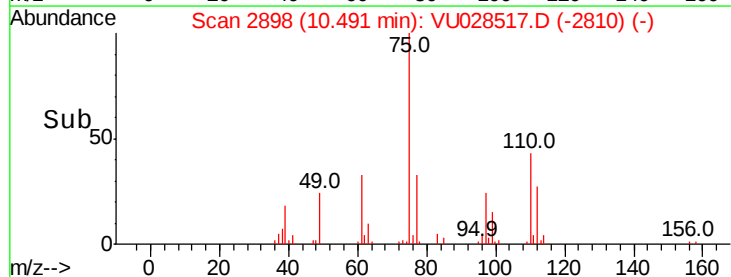
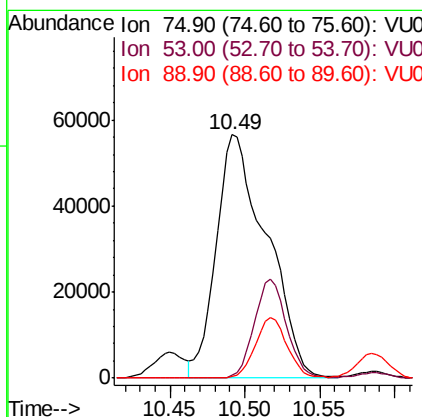
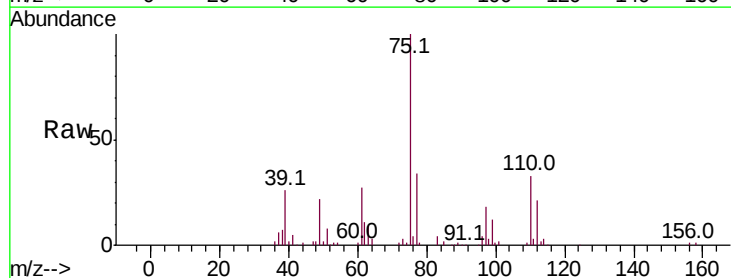
Instrument :
 MSVOA_U
 ClientSampleId :

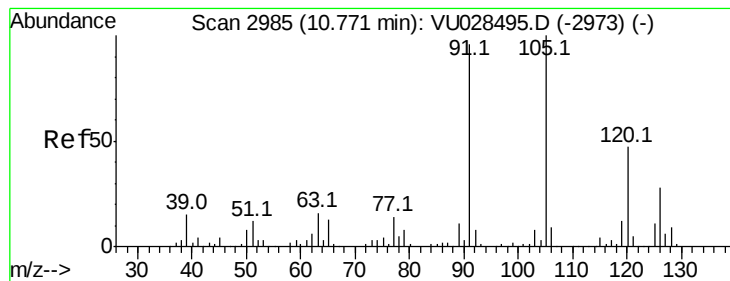
Tot Ion:105 Resp: 235857
 Ion Ratio Lower Upper
 105 100
 120 46.8 23.7 71.1



#81
 trans-1,4-Dichloro-2-butene
 Concen: 161.390 ug/l
 RT: 10.49 min Scan# 2898
 Delta R.T. -0.02 min
 Lab File: VU028517.D
 Acq: 06 Dec 2018 21:36

Tgt Ion: 75 Resp: 132893
 Ion Ratio Lower Upper
 75 100
 53 0.0 0.0 0.0
 89 0.0 0.0 0.0





#82

4-Chlorotoluene

Concen: 46.008 ug/l

RT: 10.77 min Scan# 2985

Delta R.T. -0.00 min

Lab File: VU028517.D

Acq: 06 Dec 2018 21:36

Instrument :

MSVOA_U

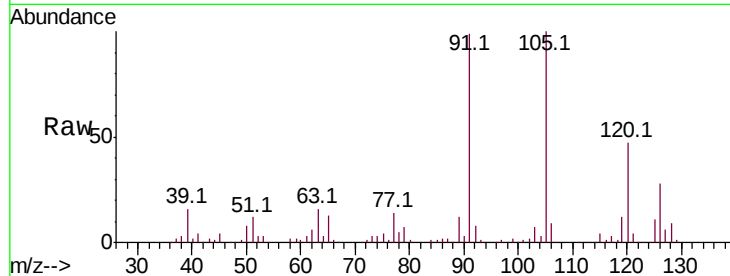
ClientSampleId :

Tot Ion: 91 Resp: 235689

Ion Ratio Lower Upper

91 100

126 28.0 14.1 42.3



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

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

10.77

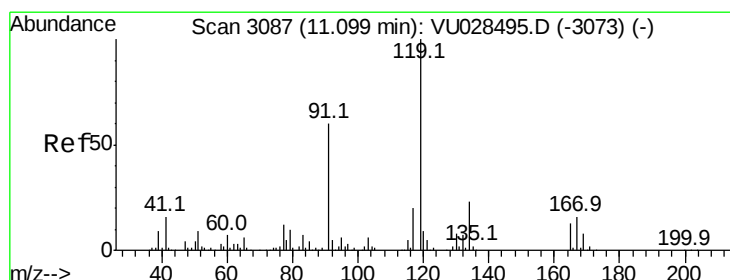
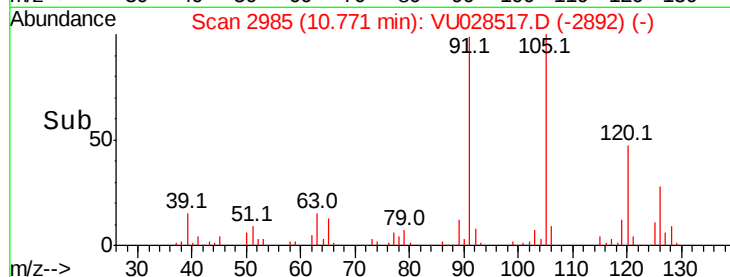
150000

100000

50000

0

Time-->



#83

tert-Butylbenzene

Concen: 46.231 ug/l

RT: 11.10 min Scan# 3087

Delta R.T. -0.00 min

Lab File: VU028517.D

Acq: 06 Dec 2018 21:36

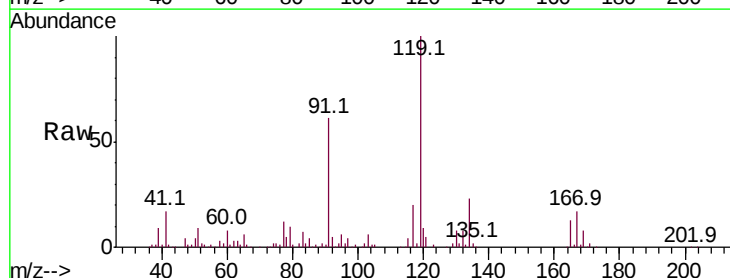
Tgt Ion: 119 Resp: 222775

Ion Ratio Lower Upper

119 100

91 61.0 30.3 91.0

134 22.3 11.2 33.5



Abundance Ion 119.00 (118.70 to 119.70): VU028495.D (-3073) (-)

Ion 91.00 (90.70 to 91.70): VU028495.D (-3073) (-)

Ion 134.00 (133.70 to 134.70): VU028495.D (-3073) (-)

11.10

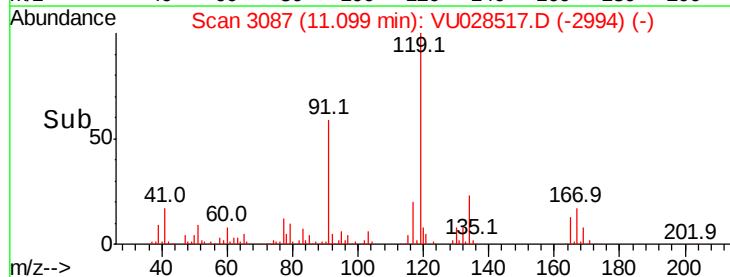
150000

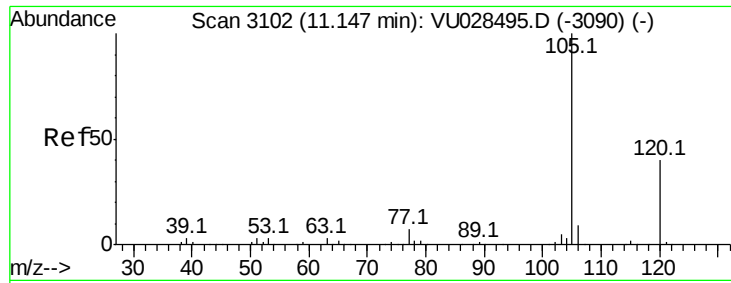
100000

50000

0

Time-->

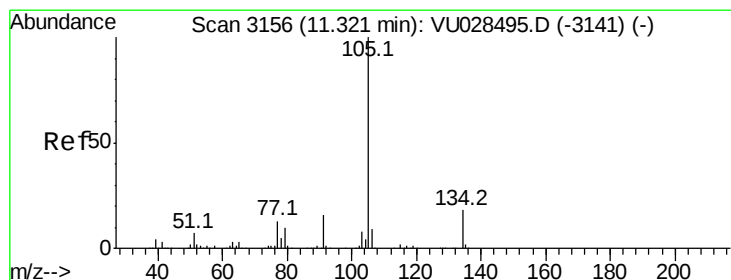
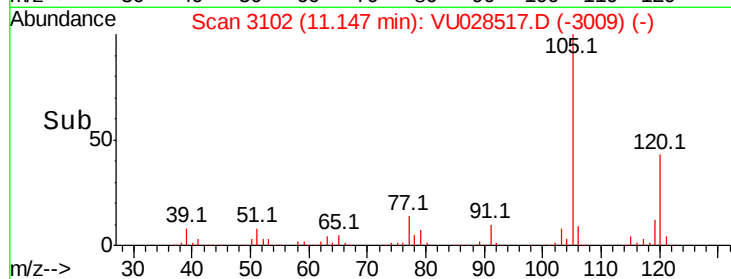
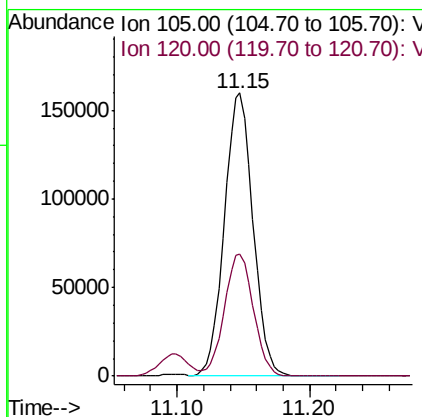
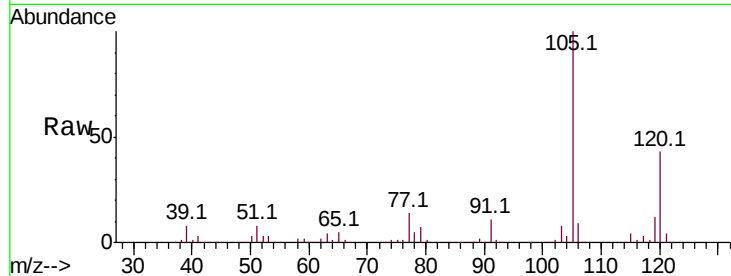




#84
 1,2,4-Trimethylbenzene
 Concen: 46.447 ug/l
 RT: 11.15 min Scan# 3102
 Delta R.T. 0.00 min
 Lab File: VU028517.D
 Acq: 06 Dec 2018 21:36

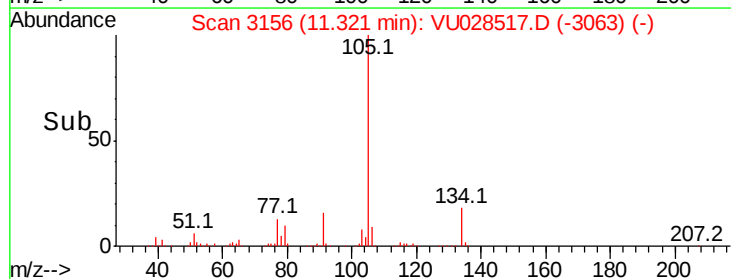
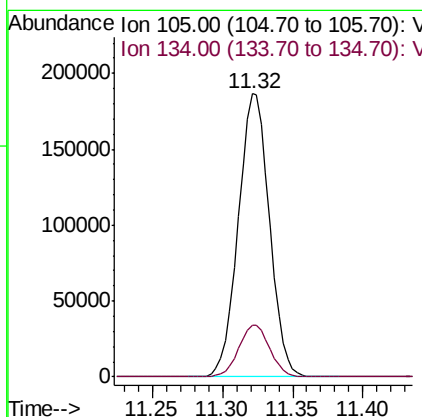
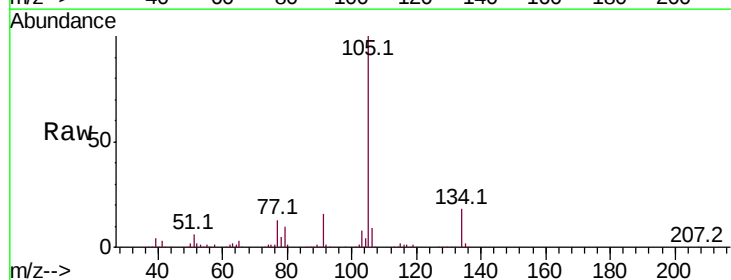
Instrument :
 MSVOA_U
 ClientSampleId :

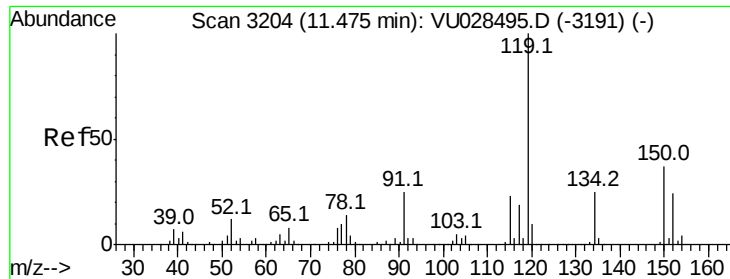
Tot Ion:105 Resp: 239309
 Ion Ratio Lower Upper
 105 100
 120 43.7 21.8 65.4



#85
 sec-Butylbenzene
 Concen: 46.689 ug/l
 RT: 11.32 min Scan# 3156
 Delta R.T. -0.00 min
 Lab File: VU028517.D
 Acq: 06 Dec 2018 21:36

Tgt Ion:105 Resp: 289028
 Ion Ratio Lower Upper
 105 100
 134 18.2 9.2 27.6

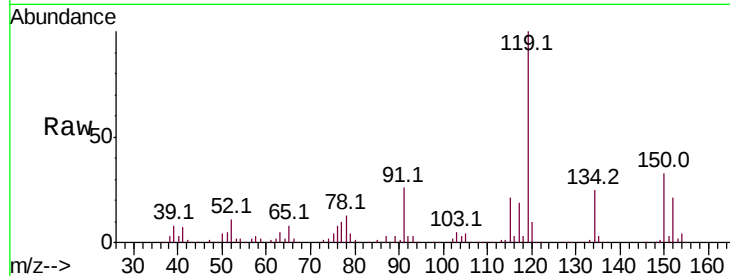




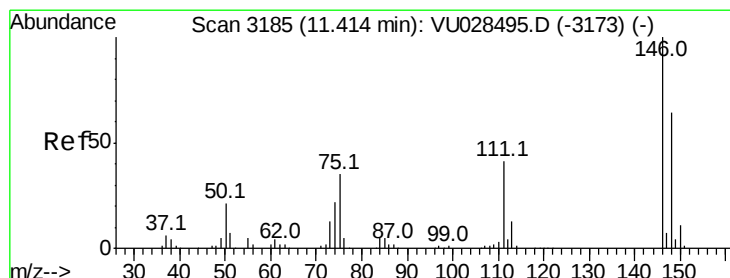
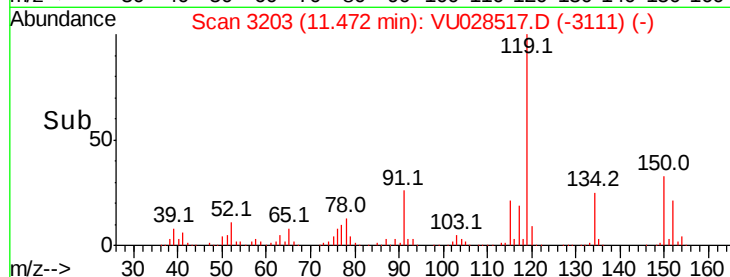
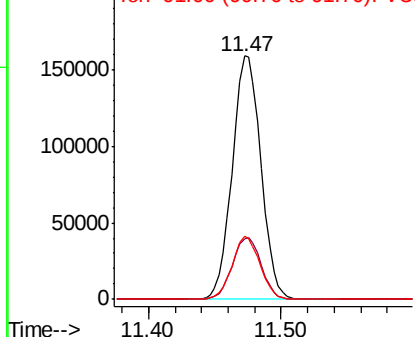
#86
p-Isopropyltoluene
Concen: 45.442 ug/l
RT: 11.47 min Scan# 3203
Delta R.T. -0.00 min
Lab File: VU028517.D
Acq: 06 Dec 2018 21:36

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion:119 Resp: 238961
Ion Ratio Lower Upper
119 100
134 25.6 12.7 38.1
91 25.1 12.6 37.6

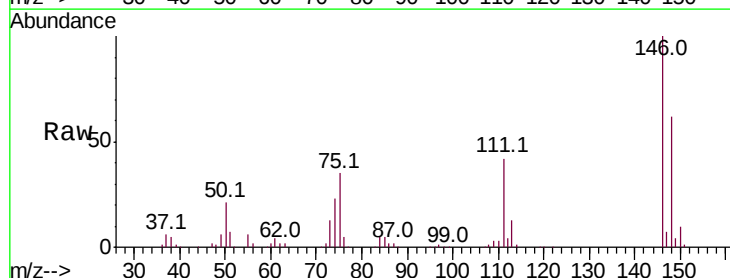


Abundance Ion 119.00 (118.70 to 119.70): V
Ion 134.00 (133.70 to 134.70): V
Ion 91.00 (90.70 to 91.70): V

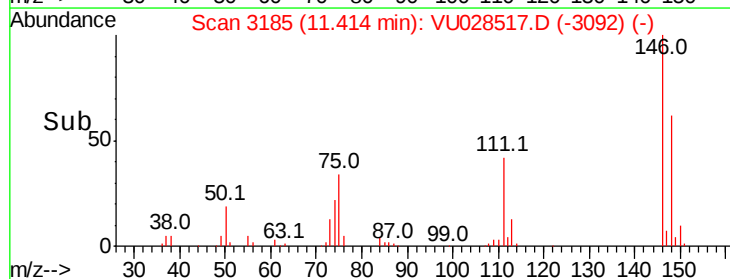
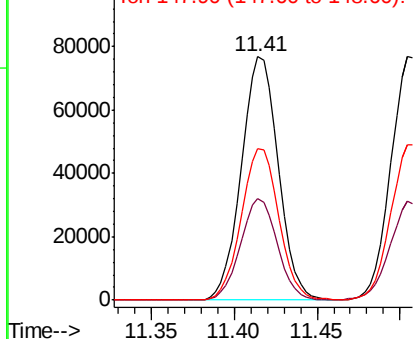


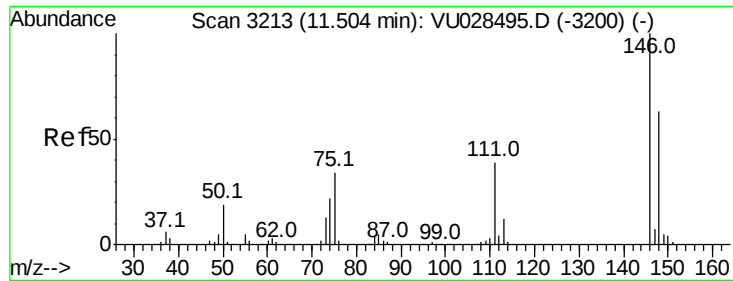
#87
1,3-Dichlorobenzene
Concen: 44.756 ug/l
RT: 11.41 min Scan# 3185
Delta R.T. -0.00 min
Lab File: VU028517.D
Acq: 06 Dec 2018 21:36

Tgt Ion:146 Resp: 119374
Ion Ratio Lower Upper
146 100
111 41.4 20.7 62.1
148 63.1 31.9 95.7



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





#88

1,4-Dichlorobenzene

Concen: 43.901 ug/l

RT: 11.50 min Scan# 3213

Delta R.T. 0.00 min

Lab File: VU028517.D

Acq: 06 Dec 2018 21:36

Instrument :

MSVOA_U

ClientSampleId :

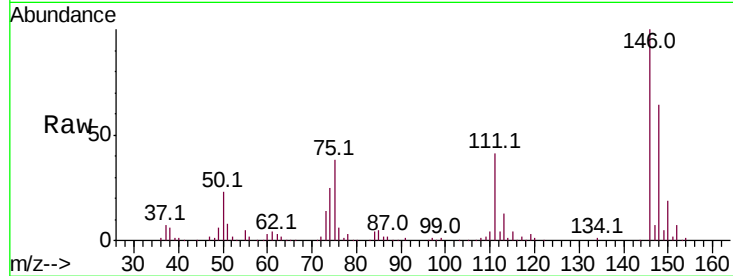
Tot Ion:146 Resp: 121146

Ion Ratio Lower Upper

146 100

111 40.3 20.2 60.5

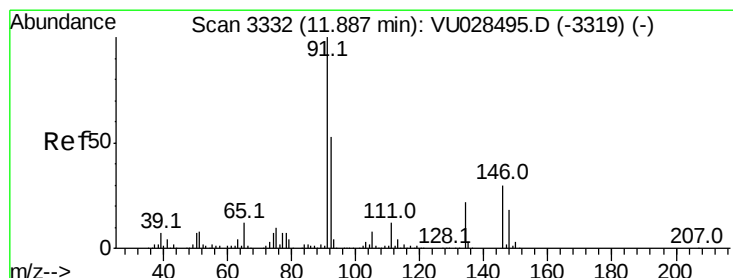
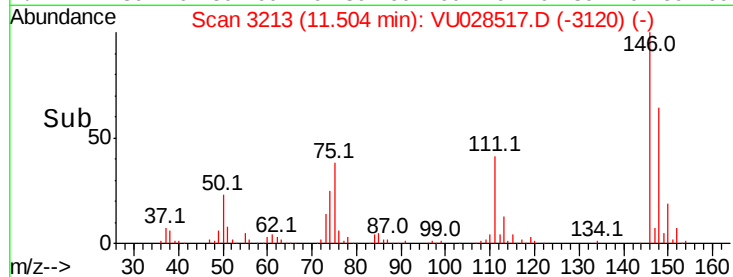
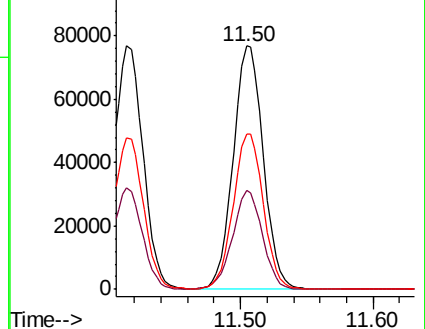
148 63.8 31.6 95.0



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#89

n-Butylbenzene

Concen: 45.551 ug/l

RT: 11.89 min Scan# 3332

Delta R.T. -0.00 min

Lab File: VU028517.D

Acq: 06 Dec 2018 21:36

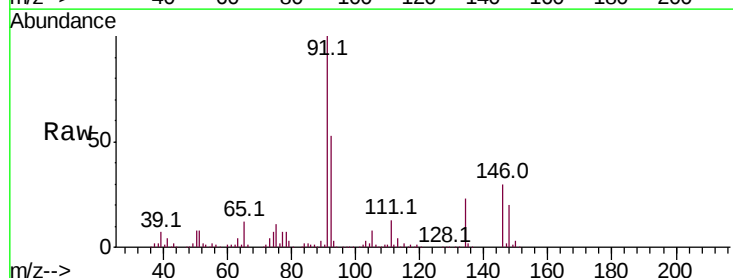
Tgt Ion: 91 Resp: 242420

Ion Ratio Lower Upper

91 100

92 52.8 26.3 78.9

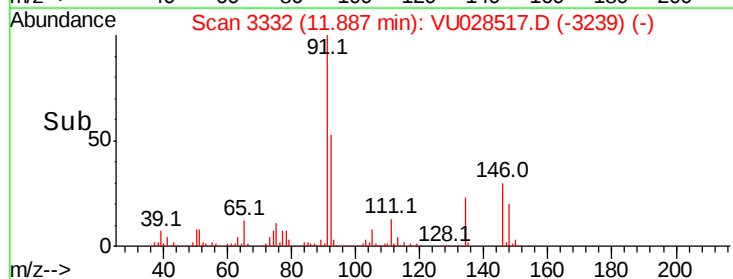
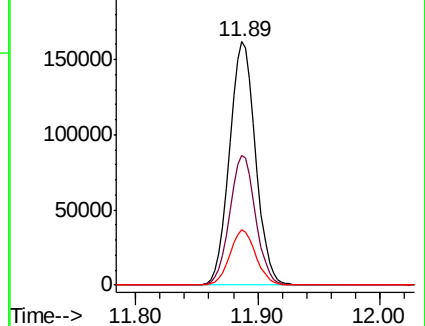
134 22.6 11.3 33.8

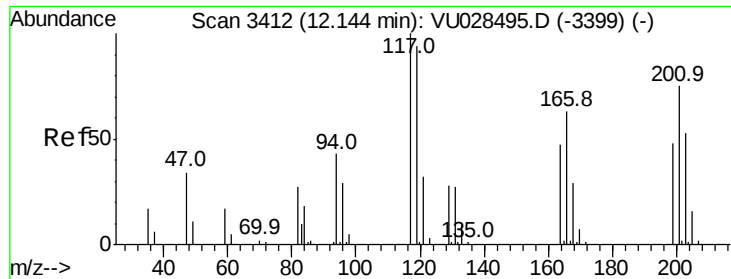


Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 92.00 (91.70 to 92.70): VU0

Ion 134.00 (133.70 to 134.70): V

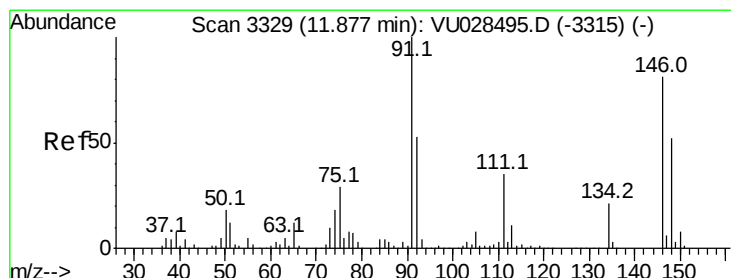
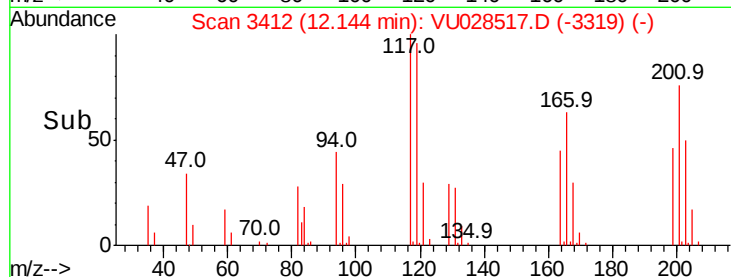
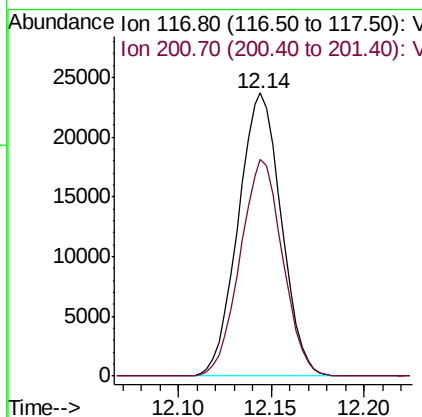
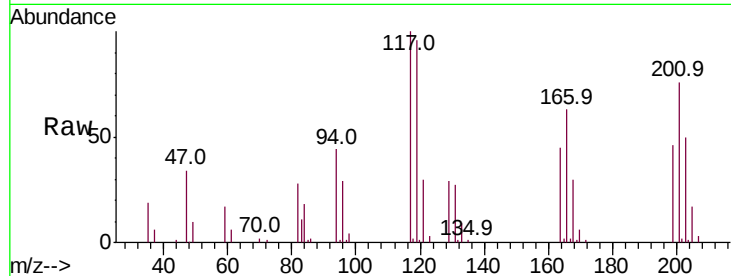




#90
 Hexachloroethane
 Concen: 47.915 ug/l
 RT: 12.14 min Scan# 3412
 Delta R.T. -0.00 min
 Lab File: VU028517.D
 Acq: 06 Dec 2018 21:36

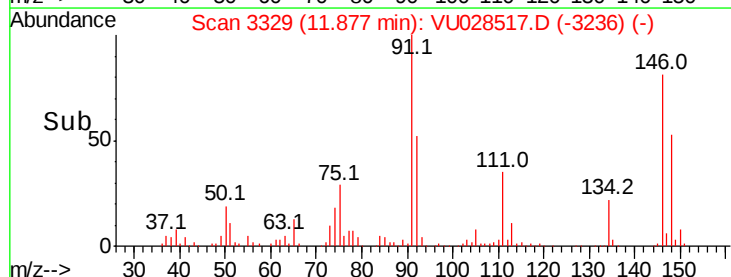
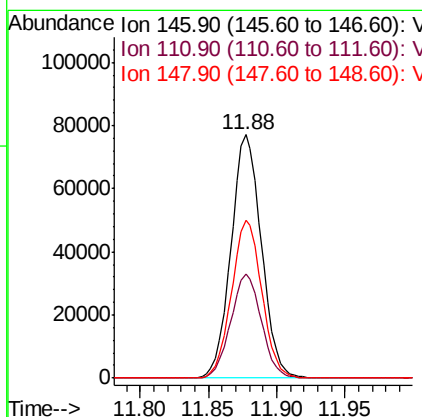
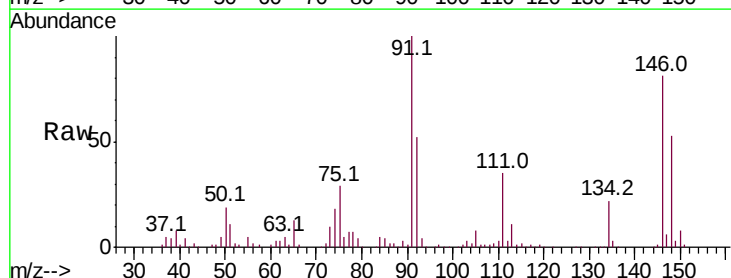
Instrument :
 MSVOA_U
 ClientSampled :

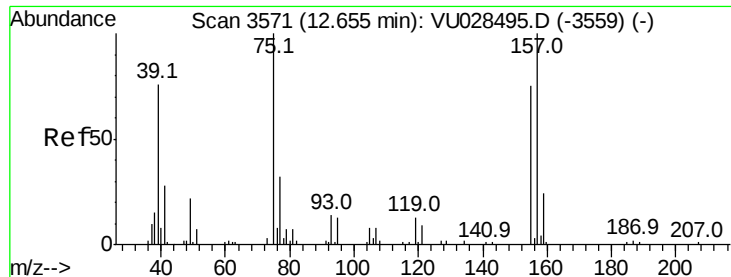
Tot Ion:117 Resp: 38084
 Ion Ratio Lower Upper
 117 100
 201 75.6 38.1 114.5



#91
 1,2-Dichlorobenzene
 Concen: 44.674 ug/l
 RT: 11.88 min Scan# 3329
 Delta R.T. -0.00 min
 Lab File: VU028517.D
 Acq: 06 Dec 2018 21:36

Tgt Ion:146 Resp: 119188
 Ion Ratio Lower Upper
 146 100
 111 43.1 21.1 63.4
 148 64.8 31.4 94.2





#92

1,2-Dibromo-3-Chloropropane

Concen: 48.096 ug/l

RT: 12.66 min Scan# 3571

Delta R.T. -0.00 min

Lab File: VU028517.D

Acq: 06 Dec 2018 21:36

Instrument :

MSVOA_U

ClientSampleId :

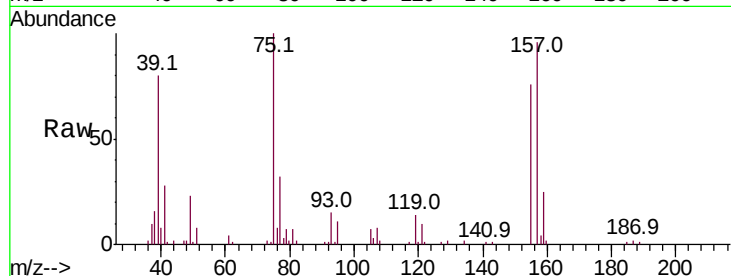
Tot Ion: 75 Resp: 24158

Ion	Ratio	Lower	Upper
75	100		
155	75.6	38.1	114.5
157	94.9	48.7	146.1

75 100

155 75.6 38.1 114.5

157 94.9 48.7 146.1

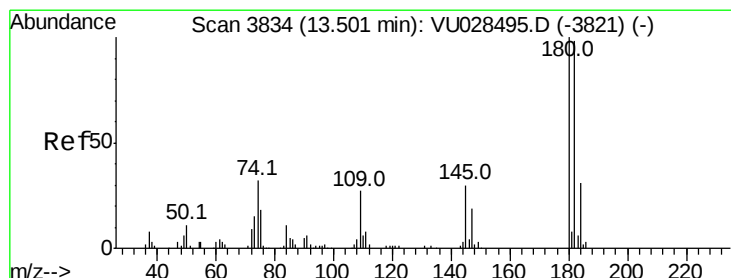
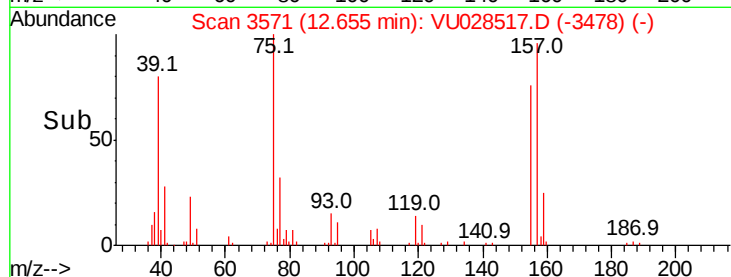
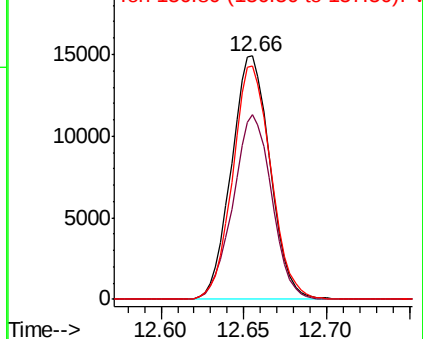


Abundance Ion 74.90 (74.60 to 75.60): VU028495.D (-3559) (-)

20000

Ion 154.80 (154.50 to 155.50): VU028495.D (-3559) (-)

Ion 156.80 (156.50 to 157.50): VU028495.D (-3559) (-)



#93

1,2,4-Trichlorobenzene

Concen: 44.921 ug/l

RT: 13.50 min Scan# 3834

Delta R.T. 0.00 min

Lab File: VU028517.D

Acq: 06 Dec 2018 21:36

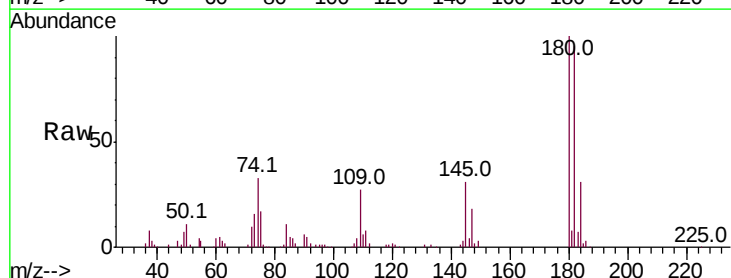
Tgt Ion: 180 Resp: 82195

Ion	Ratio	Lower	Upper
180	100		
182	95.5	47.9	143.8
145	30.2	15.0	45.1

180 100

182 95.5 47.9 143.8

145 30.2 15.0 45.1

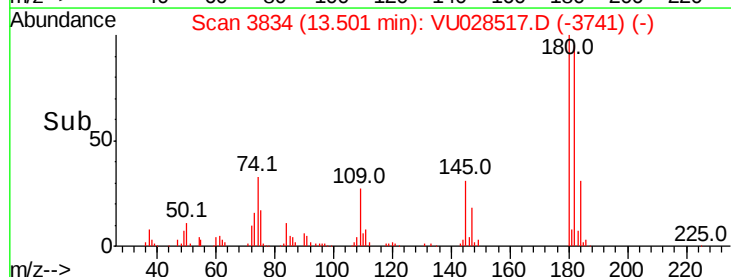
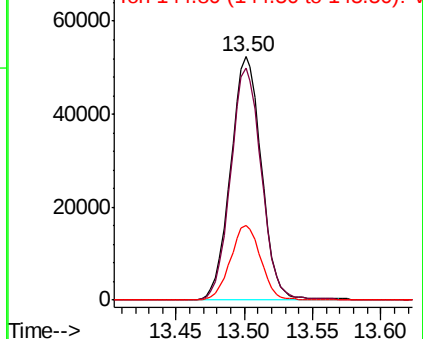


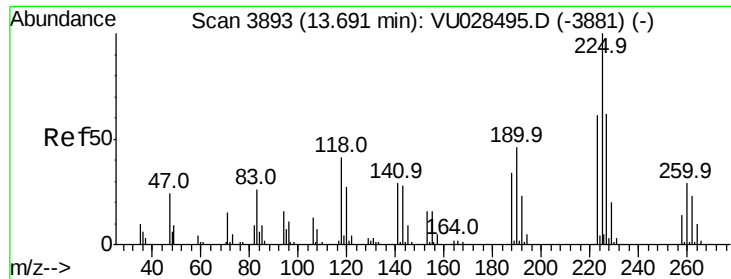
Abundance Ion 179.80 (179.50 to 180.50): VU028495.D (-3821) (-)

60000

Ion 181.80 (181.50 to 182.50): VU028495.D (-3821) (-)

Ion 144.80 (144.50 to 145.50): VU028495.D (-3821) (-)





#94

Hexachlorobutadiene

Concen: 42.292 ug/l

RT: 13.69 min Scan# 3893

Delta R.T. -0.00 min

Lab File: VU028517.D

Acq: 06 Dec 2018 21:36

Instrument :

MSVOA_U

ClientSampled :

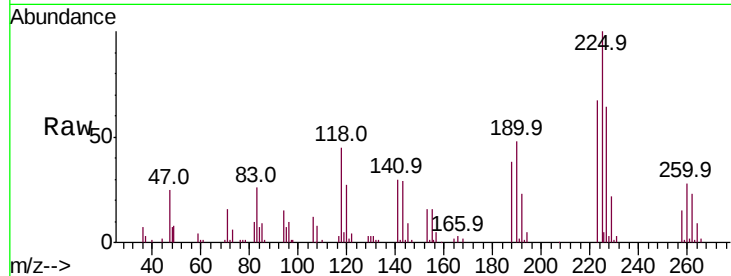
Tot Ion:225 Resp: 36960

Ion Ratio Lower Upper

225 100

223 64.2 30.4 91.2

227 63.2 30.7 92.1

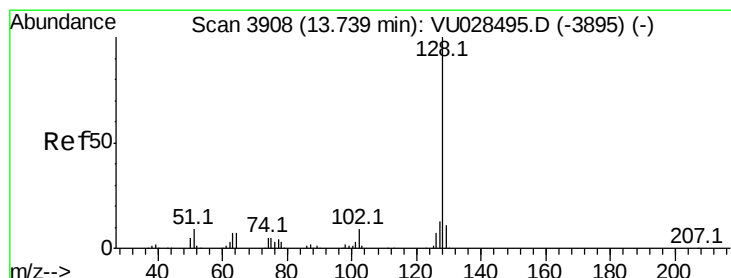
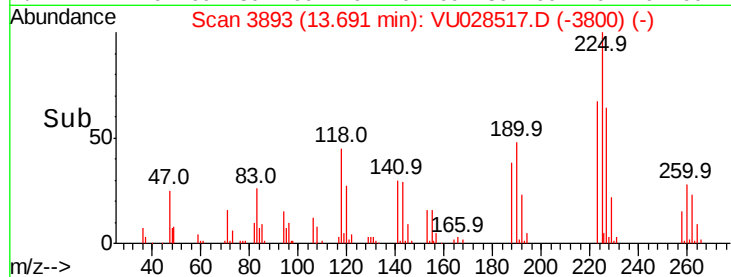
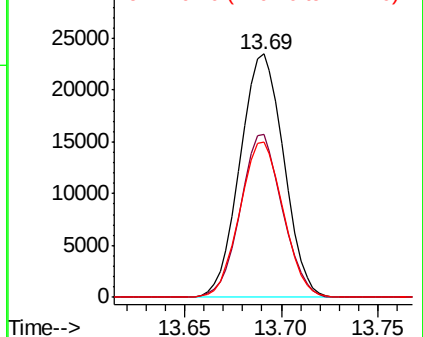


Abundance

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: 45.433 ug/l

RT: 13.74 min Scan# 3908

Delta R.T. -0.00 min

Lab File: VU028517.D

Acq: 06 Dec 2018 21:36

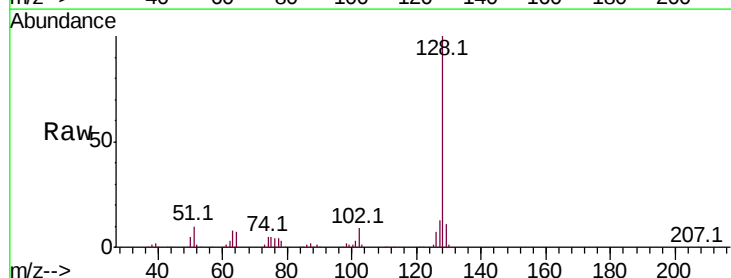
Tgt Ion:128 Resp: 290864

Ion Ratio Lower Upper

128 100

127 13.2 10.4 15.6

129 10.9 8.6 13.0

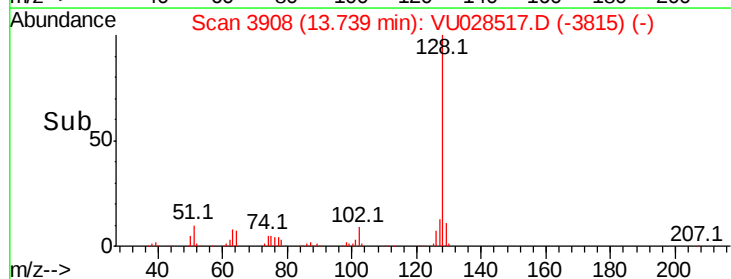
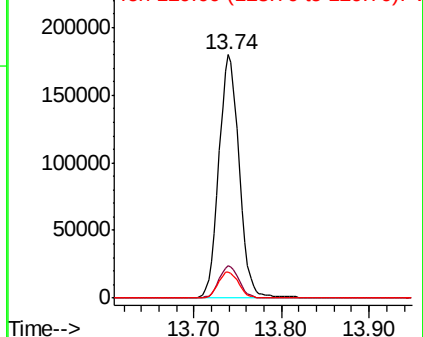


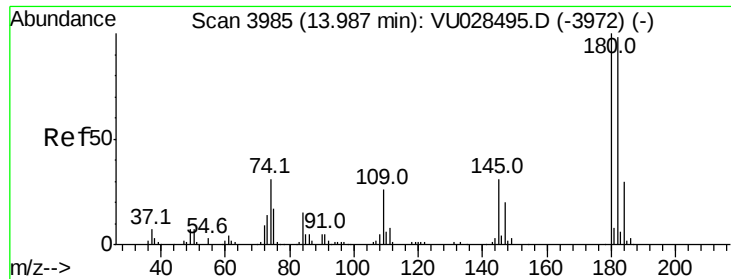
Abundance

Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

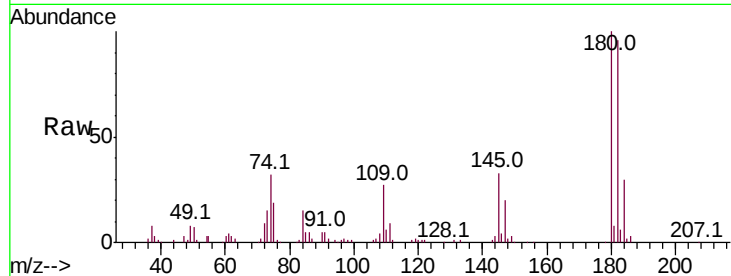




#96
 1,2,3-Trichlorobenzene
 Concen: 45.609 ug/l
 RT: 13.98 min Scan# 3984
 Delta R.T. -0.00 min
 Lab File: VU028517.D
 Acq: 06 Dec 2018 21:36

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	96.2	48.2	144.6
145	31.9	15.8	47.3



Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.90 (144.60 to 145.60): V

