

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U120618\
 Data File : VU028495.D
 Acq On : 06 Dec 2018 12:33
 Operator : MD/SY
 Sample : VSTDICCC050
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Dec 07 00:14:09 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U120618W.M
 Quant Title : SW846 8260
 QLast Update : Fri Dec 07 00:10:10 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.98	168	106003	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.88	114	184108	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	172641	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	84864	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.31	65	77566	47.95	ug/l	0.00
Spiked Amount			Recovery	=	95.90%	
35) Dibromofluoromethane	4.88	113	56782	49.01	ug/l	0.00
Spiked Amount			Recovery	=	98.02%	
50) Toluene-d8	7.57	98	225134	49.12	ug/l	0.00
Spiked Amount			Recovery	=	98.24%	
62) 4-Bromofluorobenzene	10.31	95	82655	48.25	ug/l	0.00
Spiked Amount			Recovery	=	96.50%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.21	85	71336	50.208	ug/l	100
3) Chloromethane	1.33	50	125322	47.976	ug/l	100
4) Vinyl Chloride	1.40	62	94024	49.877	ug/l	100
5) Bromomethane	1.62	94	35164	46.307	ug/l	100
6) Chloroethane	1.69	64	54361	50.938	ug/l	100
7) Trichlorofluoromethane	1.89	101	96460	48.635	ug/l	100
8) Diethyl Ether	2.10	74	44646	48.114	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	2.29	101	57879	48.795	ug/l	100
10) Methyl Iodide	2.41	142	47473	51.006	ug/l	100
11) Tert butyl alcohol	2.82	59	89697	248.874	ug/l	100
12) 1,1-Dichloroethene	2.29	96	57731	48.916	ug/l	100
13) Acrolein	2.19	56	72056	250.789	ug/l	100
14) Allyl chloride	2.59	41	132372	47.411	ug/l	100
15) Acrylonitrile	2.93	53	252194	252.039	ug/l	100
16) Acetone	2.32	43	247079	234.063	ug/l	100
17) Carbon Disulfide	2.48	76	204492	48.096	ug/l	100
18) Methyl Acetate	2.61	43	138105	50.470	ug/l	100
19) Methyl tert-butyl Ether	3.00	73	222164	49.656	ug/l	100
20) Methylene Chloride	2.70	84	71604	46.014	ug/l	100
21) trans-1,2-Dichloroethene	2.98	96	65374	49.197	ug/l	100
22) Diisopropyl ether	3.57	45	272800	50.244	ug/l	100
23) Vinyl Acetate	3.52	43	1138251	254.159	ug/l	100
24) 1,1-Dichloroethane	3.45	63	138331	48.672	ug/l	100
25) 2-Butanone	4.26	43	363748	252.149	ug/l	100
26) 2,2-Dichloropropane	4.23	77	108739	48.286	ug/l	100
27) cis-1,2-Dichloroethene	4.22	96	74072	49.249	ug/l	100
28) Bromochloromethane	4.55	49	64705	50.080	ug/l	100
29) Tetrahydrofuran	4.64	42	236143	254.879	ug/l	100
30) Chloroform	4.67	83	122017	49.258	ug/l	100
31) Cyclohexane	5.00	56	137143	41.135	ug/l	100
32) 1,1,1-Trichloroethane	4.92	97	101742	49.454	ug/l	100
36) 1,1-Dichloropropene	5.14	75	99839	49.556	ug/l	100
37) Ethyl Acetate	4.38	43	133834	51.388	ug/l	100
38) Carbon Tetrachloride	5.14	117	79864	49.183	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)
39) Methylcyclohexane	6.41	83	119712	48.706	ug/l	100
40) Benzene	5.39	78	296939	50.043	ug/l	100
41) Methacrylonitrile	4.54	41	73154	51.290	ug/l	100
42) 1,2-Dichloroethane	5.40	62	103279	49.725	ug/l	100
43) Isopropyl Acetate	5.55	43	210859	51.188	ug/l	100
44) Trichloroethene	6.19	130	64427	48.833	ug/l	100
45) 1,2-Dichloropropane	6.43	63	86110	51.607	ug/l	100
46) Dibromomethane	6.56	93	49809	50.311	ug/l	100
47) Bromodichloromethane	6.76	83	95722	49.686	ug/l	100
48) Methyl methacrylate	6.62	41	106398	51.938	ug/l	100
49) 1,4-Dioxane	6.61	88	32737	1012.088	ug/l	100
51) 4-Methyl-2-Pentanone	7.46	43	659512	253.843	ug/l	100
52) Toluene	7.64	92	176652	50.586	ug/l	100
53) t-1,3-Dichloropropene	7.88	75	115975	50.546	ug/l	100
54) cis-1,3-Dichloropropene	7.27	75	125546	50.434	ug/l	100
55) 1,1,2-Trichloroethane	8.06	97	71164	51.554	ug/l	100
56) Ethyl methacrylate	8.02	69	122684	51.900	ug/l	100
57) 1,3-Dichloropropane	8.24	76	127317	49.686	ug/l	100
58) 2-Chloroethyl Vinyl ether	7.13	63	307743	254.171	ug/l	100
59) 2-Hexanone	8.36	43	517384	251.245	ug/l	100
60) Dibromochloromethane	8.48	129	66681	49.339	ug/l	100
61) 1,2-Dibromoethane	8.58	107	74437	51.422	ug/l	100
64) Tetrachloroethene	8.23	164	56050	48.673	ug/l	100
65) Chlorobenzene	9.12	112	181067	49.219	ug/l	100
66) 1,1,1,2-Tetrachloroethane	9.21	131	60091	51.152	ug/l	100
67) Ethyl Benzene	9.25	91	336274	49.724	ug/l	100
68) m/p-Xylenes	9.37	106	250420	101.763	ug/l	100
69) o-Xylene	9.78	106	120770	50.501	ug/l	100
70) Styrene	9.79	104	199231	50.341	ug/l	100
71) Bromoform	9.96	173	51322	51.355	ug/l #	100
73) Isopropylbenzene	10.16	105	318569	48.921	ug/l	100
74) N-amyl acetate	10.01	43	186346	49.609	ug/l	100
75) 1,1,2,2-Tetrachloroethane	10.46	83	124910	49.934	ug/l	100
76) 1,2,3-Trichloropropane	10.49	75	150494	61.469	ug/l	82
77) Bromobenzene	10.45	156	75438	49.533	ug/l	100
78) n-propylbenzene	10.58	91	399454	49.366	ug/l	100
79) 2-Chlorotoluene	10.66	91	230923	49.544	ug/l	100
80) 1,3,5-Trimethylbenzene	10.77	105	269564	50.008	ug/l	100
81) trans-1,4-Dichloro-2-buten	10.49	75	150494	124.291	ug/l #	100
82) 4-Chlorotoluene	10.77	91	268158	48.550	ug/l	100
83) tert-Butylbenzene	11.10	119	256466	49.362	ug/l	100
84) 1,2,4-Trimethylbenzene	11.15	105	276303	49.738	ug/l	100
85) sec-Butylbenzene	11.32	105	332535	49.821	ug/l	100
86) p-Isopropyltoluene	11.48	119	280031	49.389	ug/l	100
87) 1,3-Dichlorobenzene	11.41	146	139074	48.361	ug/l	100
88) 1,4-Dichlorobenzene	11.50	146	140630	47.266	ug/l	100
89) n-Butylbenzene	11.89	91	285413	49.739	ug/l	100
90) Hexachloroethane	12.14	117	42511	49.605	ug/l	100
91) 1,2-Dichlorobenzene	11.88	146	138487	48.143	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	12.66	75	27693	51.135	ug/l	100

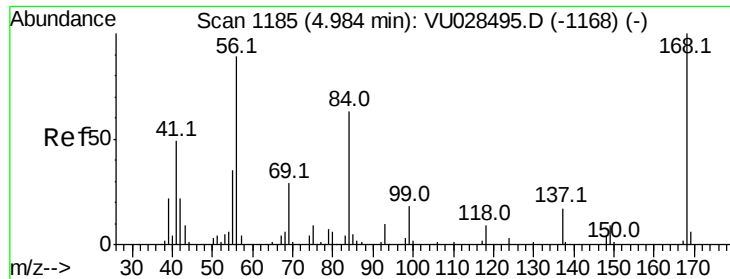
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.50	180	96153	46.623	ug/l	100
94) Hexachlorobutadiene	13.69	225	44804	47.549	ug/l	100
95) Naphthalene	13.74	128	334878	48.514	ug/l	100
96) 1,2,3-Trichlorobenzene	13.99	180	97869	47.169	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: VU028495.D

Acq: 06 Dec 2018 12:33

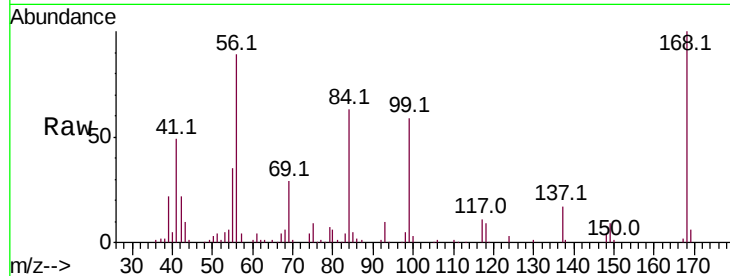
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion:168 Resp: 106003

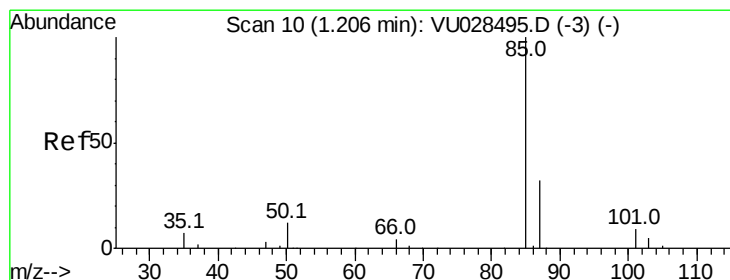
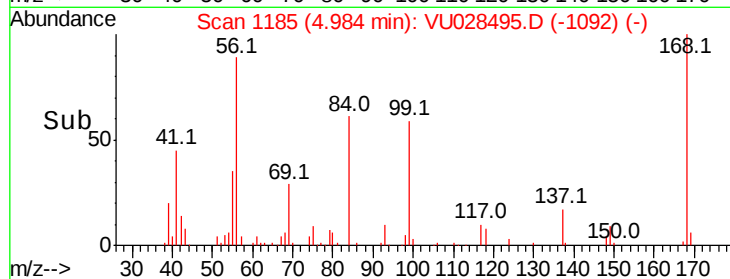
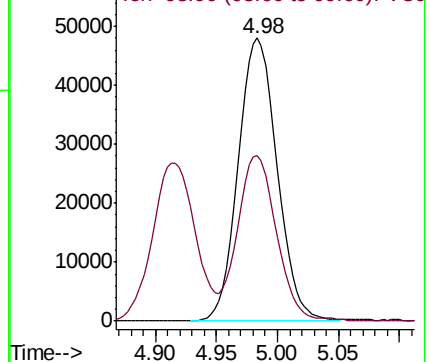
Ion Ratio Lower Upper

168 100

99 58.2 46.6 69.8



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



#2

Dichlorodifluoromethane

Concen: 50.208 ug/l

RT: 1.21 min Scan# 10

Delta R.T. 0.00 min

Lab File: VU028495.D

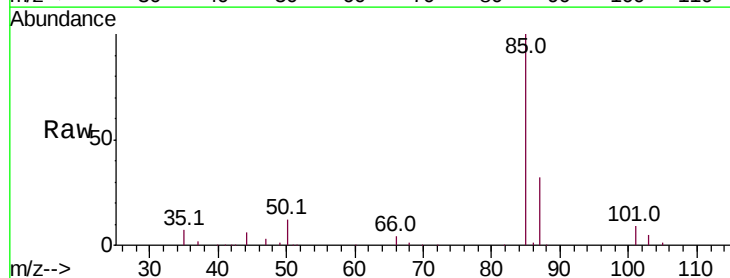
Acq: 06 Dec 2018 12:33

Tgt Ion: 85 Resp: 71336

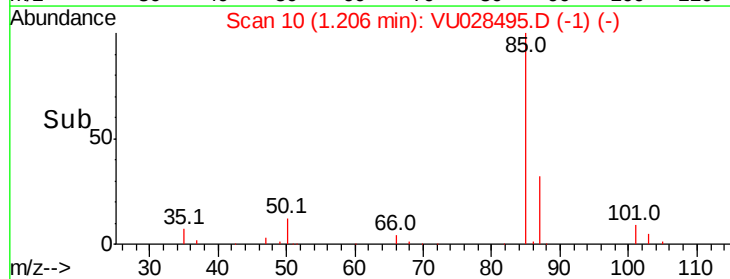
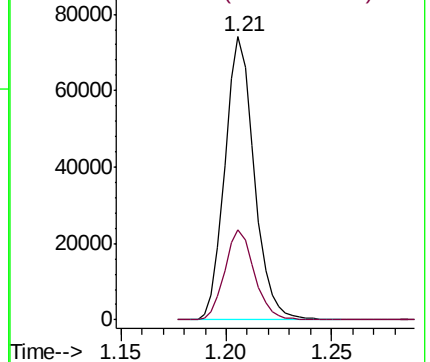
Ion Ratio Lower Upper

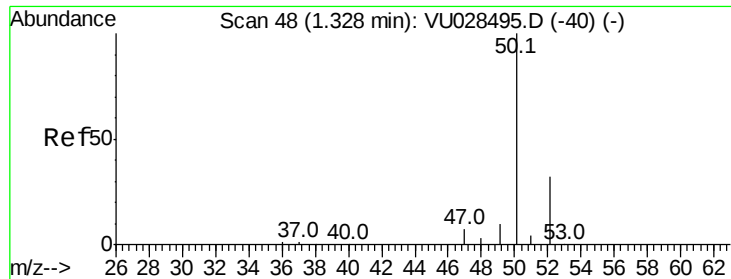
85 100

87 31.7 15.9 47.6



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





#3

Chloromethane

Concen: 47.976 ug/l

RT: 1.33 min Scan# 48

Delta R.T. 0.00 min

Lab File: VU028495.D

Acq: 06 Dec 2018 12:33

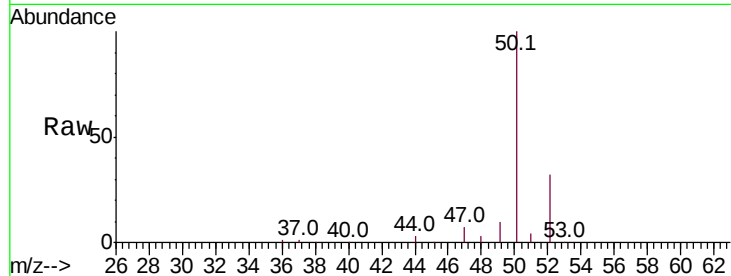
Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 50 Resp: 125322

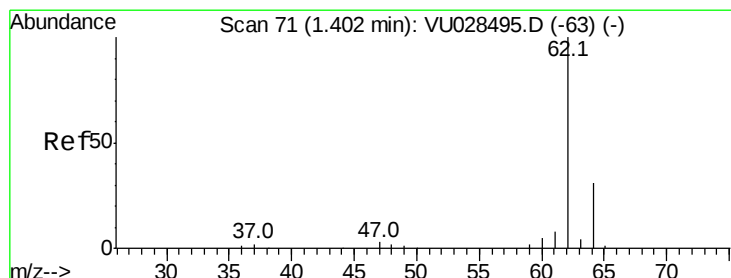
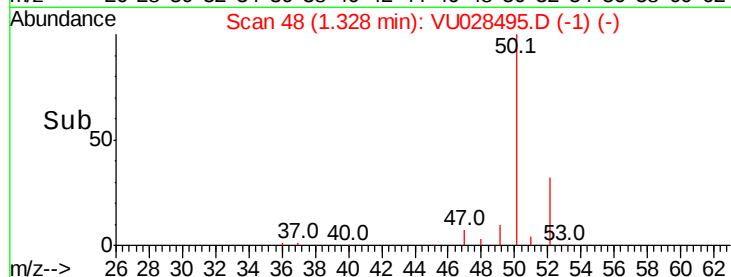
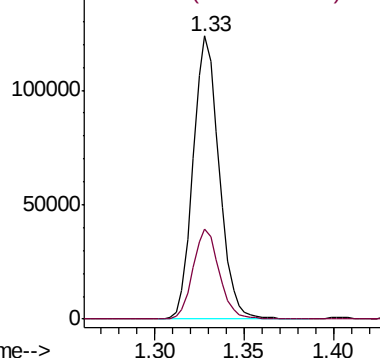
Ion Ratio Lower Upper

50 100

52 31.9 25.5 38.3



Abundance Ion 49.90 (49.60 to 50.60): VU0
Ion 51.90 (51.60 to 52.60): VU0



#4

Vinyl Chloride

Concen: 49.877 ug/l

RT: 1.40 min Scan# 71

Delta R.T. 0.00 min

Lab File: VU028495.D

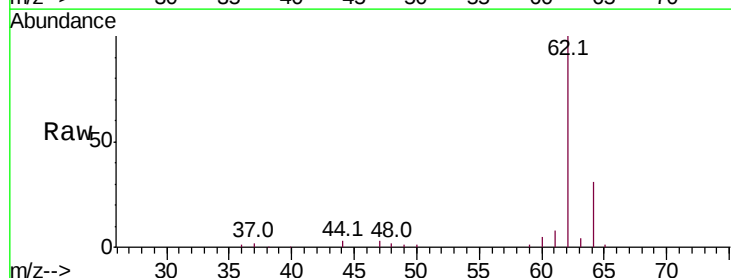
Acq: 06 Dec 2018 12:33

Tgt Ion: 62 Resp: 94024

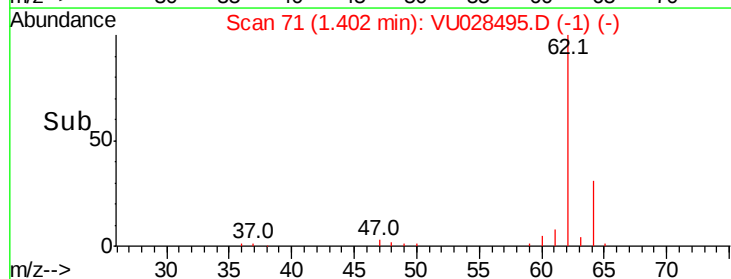
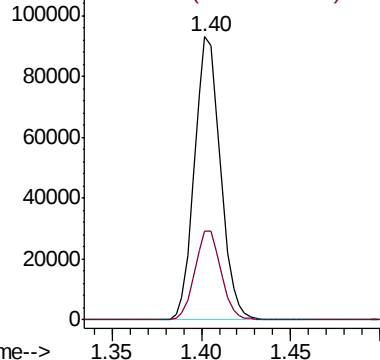
Ion Ratio Lower Upper

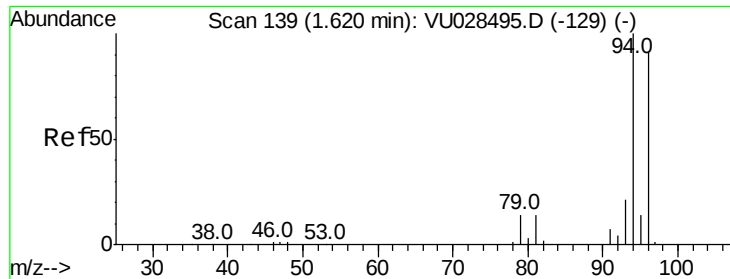
62 100

64 31.4 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: 46.307 ug/l

RT: 1.62 min Scan# 139

Delta R.T. 0.00 min

Lab File: VU028495.D

Acq: 06 Dec 2018 12:33

Instrument :

MSVOA_U

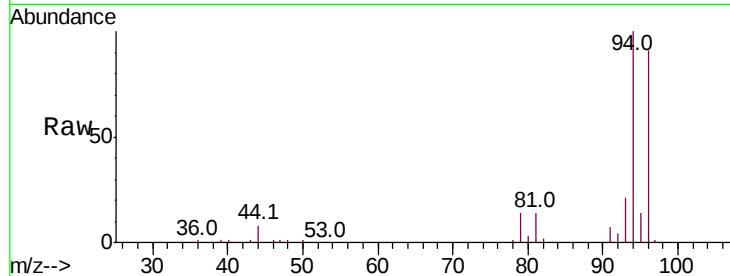
ClientSampleId :

Tot Ion: 94 Resp: 35164

Ion Ratio Lower Upper

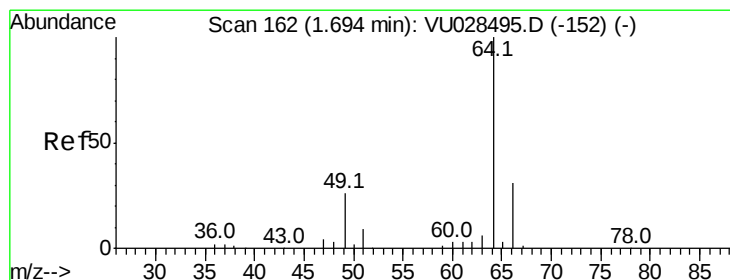
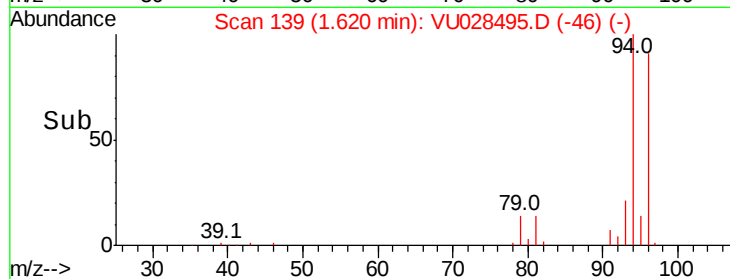
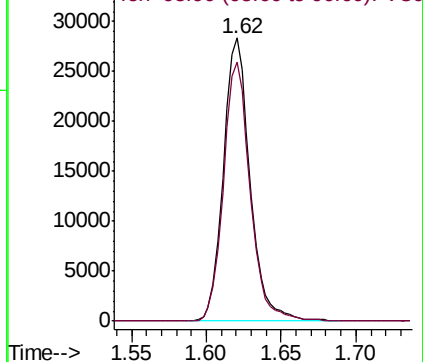
94 100

96 91.5 73.2 109.8



Abundance Ion 93.90 (93.60 to 94.60): VU0

Ion 95.90 (95.60 to 96.60): VU0



#6

Chloroethane

Concen: 50.938 ug/l

RT: 1.69 min Scan# 162

Delta R.T. 0.00 min

Lab File: VU028495.D

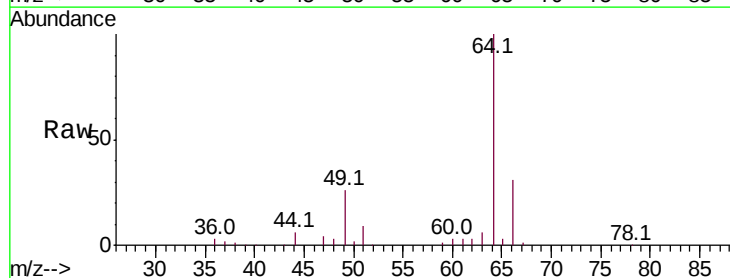
Acq: 06 Dec 2018 12:33

Tgt Ion: 64 Resp: 54361

Ion Ratio Lower Upper

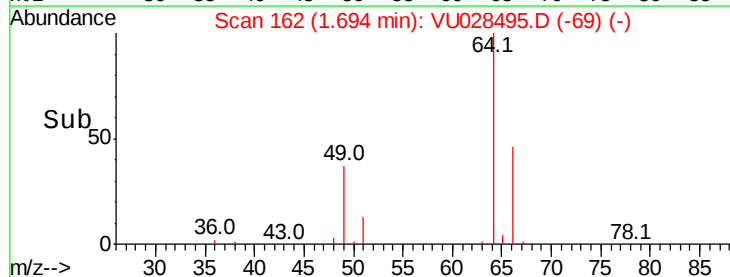
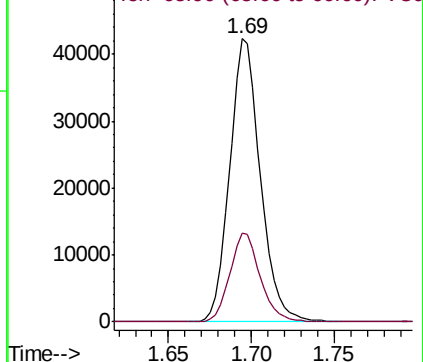
64 100

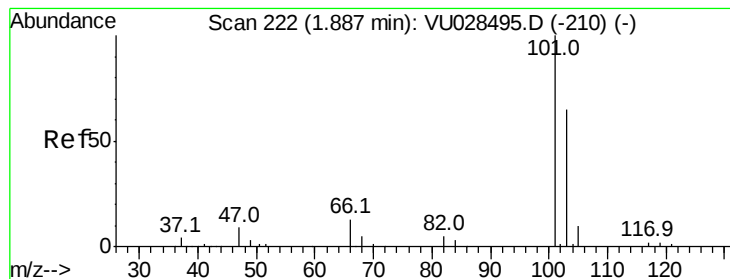
66 31.3 25.0 37.6



Abundance Ion 63.90 (63.60 to 64.60): VU0

Ion 65.90 (65.60 to 66.60): VU0



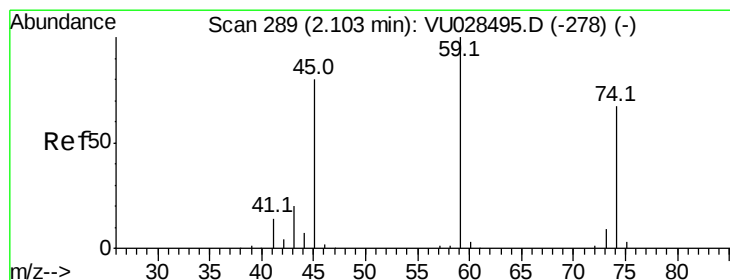
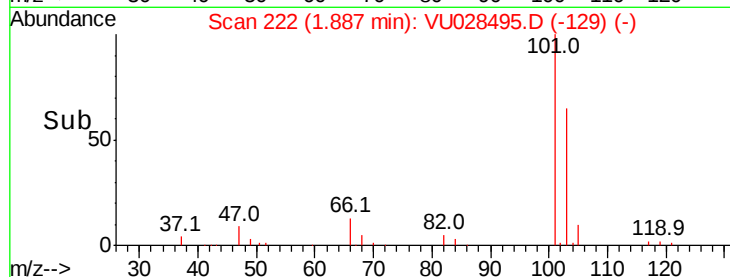
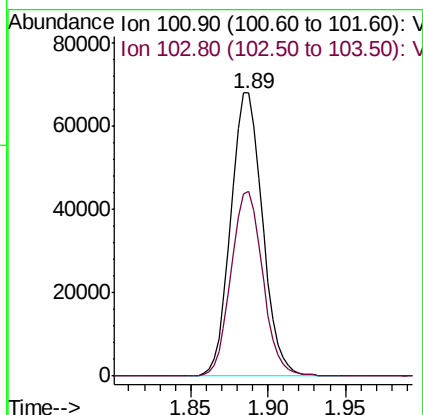
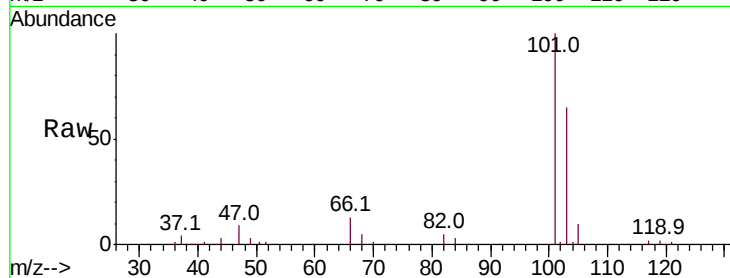


#7

Trichlorofluoromethane
 Concen: 48.635 ug/l
 RT: 1.89 min Scan# 222
 Delta R.T. 0.00 min
 Lab File: VU028495.D
 Acq: 06 Dec 2018 12:33

Instrument :
 MSVOA_U
 ClientSampleId :

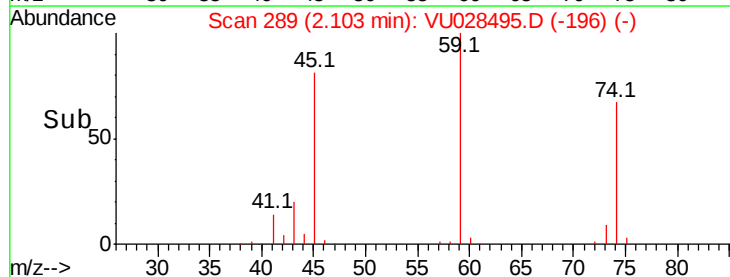
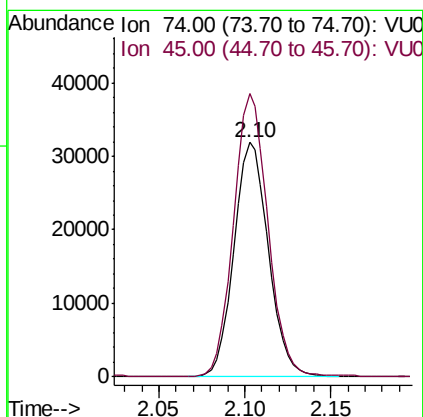
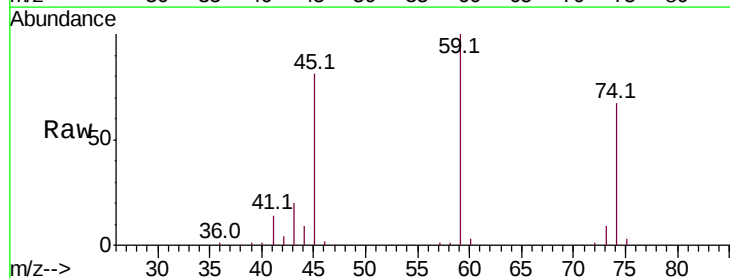
Tot Ion:101 Resp: 96460
 Ion Ratio Lower Upper
 101 100
 103 65.4 52.3 78.5

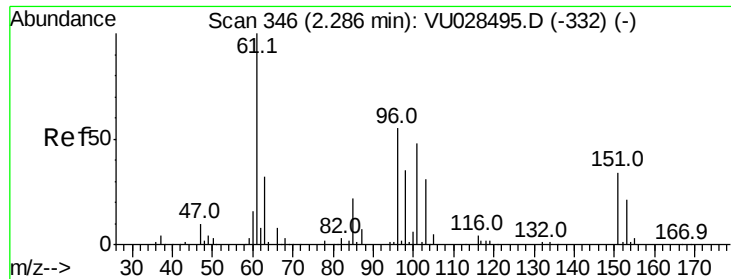


#8

Diethyl Ether
 Concen: 48.114 ug/l
 RT: 2.10 min Scan# 289
 Delta R.T. 0.00 min
 Lab File: VU028495.D
 Acq: 06 Dec 2018 12:33

Tgt Ion: 74 Resp: 44646
 Ion Ratio Lower Upper
 74 100
 45 119.3 59.7 179.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 48.795 ug/l

RT: 2.29 min Scan# 346

Delta R.T. 0.00 min

Lab File: VU028495.D

Acq: 06 Dec 2018 12:33

Instrument :

MSVOA_U

ClientSampled :

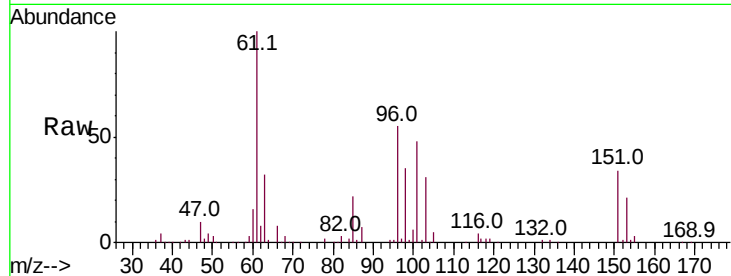
Tot Ion:101 Resp: 57879

Ion Ratio Lower Upper

101 100

85 45.5 36.4 54.6

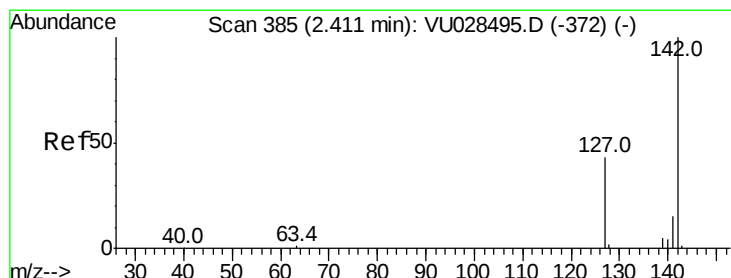
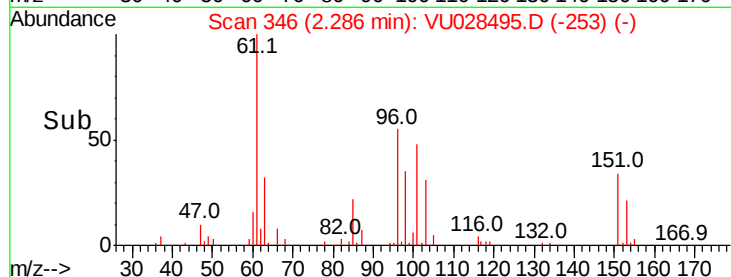
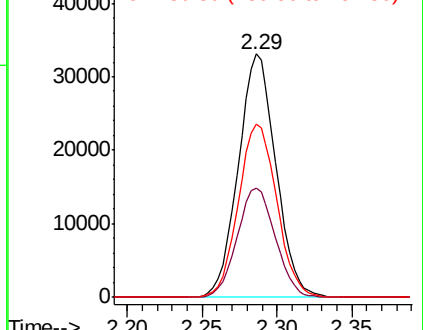
151 72.7 58.2 87.2



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: 51.006 ug/l

RT: 2.41 min Scan# 385

Delta R.T. 0.00 min

Lab File: VU028495.D

Acq: 06 Dec 2018 12:33

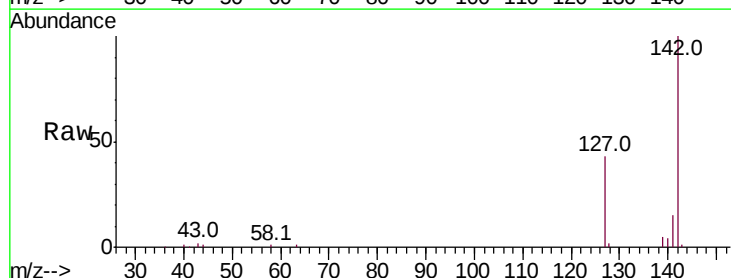
Tgt Ion:142 Resp: 47473

Ion Ratio Lower Upper

142 100

127 41.9 33.5 50.3

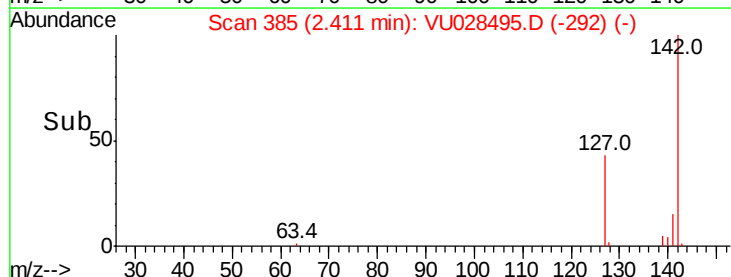
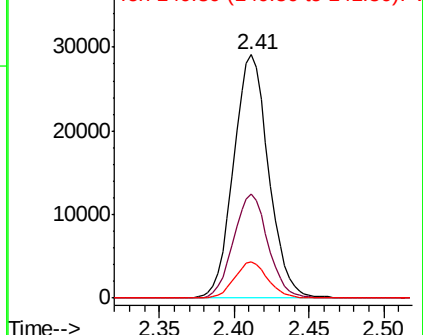
141 14.0 11.2 16.8

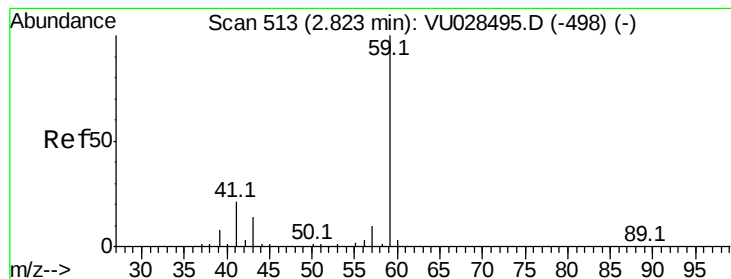


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



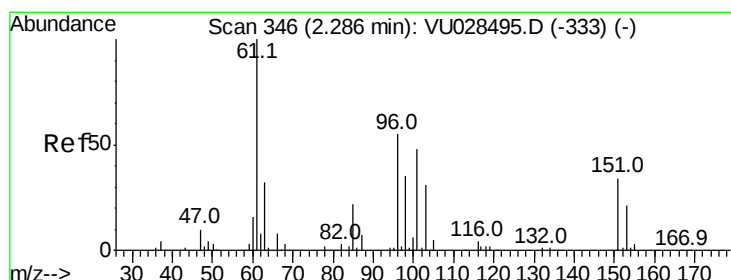
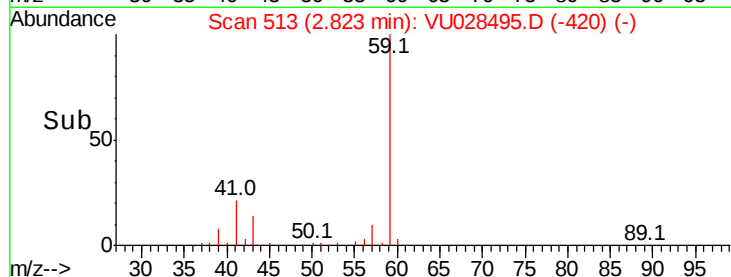
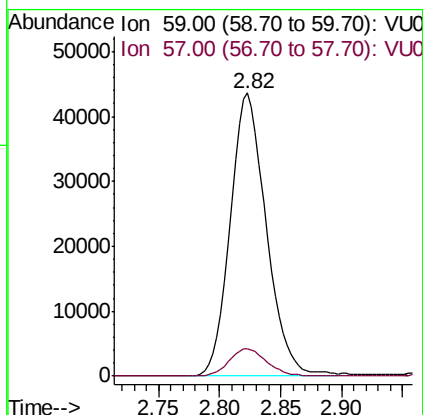
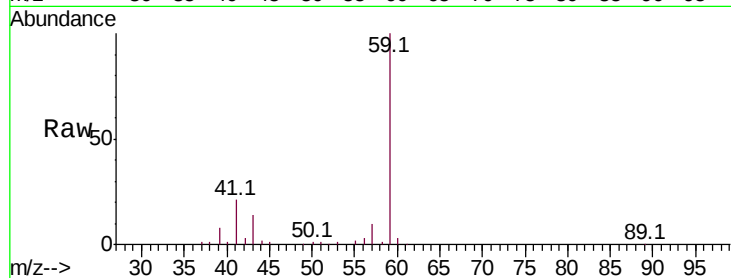


#11

Tert butyl alcohol
 Concen: 248.874 ug/l
 RT: 2.82 min Scan# 513
 Delta R.T. 0.00 min
 Lab File: VU028495.D
 Acq: 06 Dec 2018 12:33

Instrument :
 MSVOA_U
 ClientSampleId :

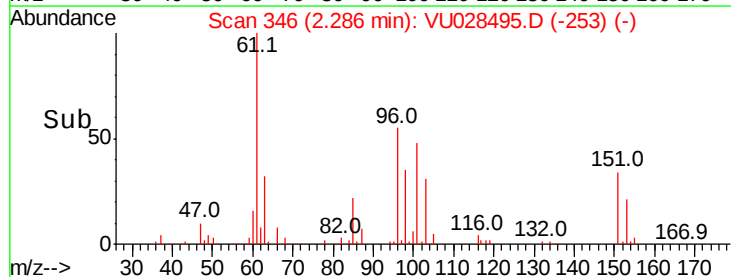
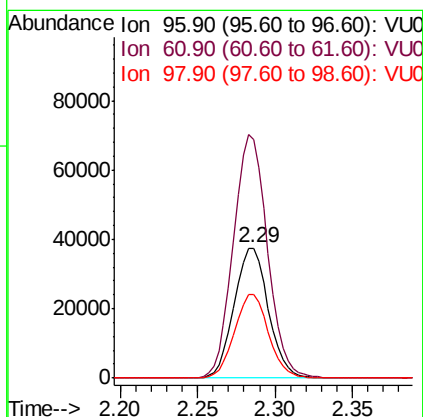
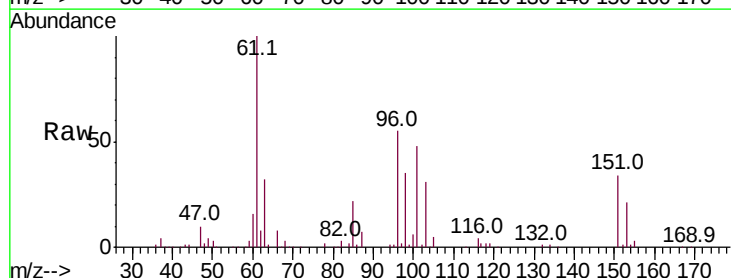
Tot Ion: 59 Resp: 89697
 Ion Ratio Lower Upper
 59 100
 57 10.0 8.0 12.0

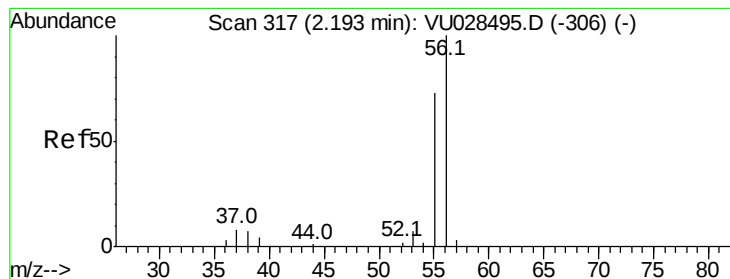


#12

1,1-Dichloroethene
 Concen: 48.916 ug/l
 RT: 2.29 min Scan# 346
 Delta R.T. 0.00 min
 Lab File: VU028495.D
 Acq: 06 Dec 2018 12:33

Tgt Ion: 96 Resp: 57731
 Ion Ratio Lower Upper
 96 100
 61 183.0 146.4 219.6
 98 64.8 51.8 77.8





#13

Acrolein

Concen: 250.789 ug/l

RT: 2.19 min Scan# 317

Delta R.T. 0.00 min

Lab File: VU028495.D

Acq: 06 Dec 2018 12:33

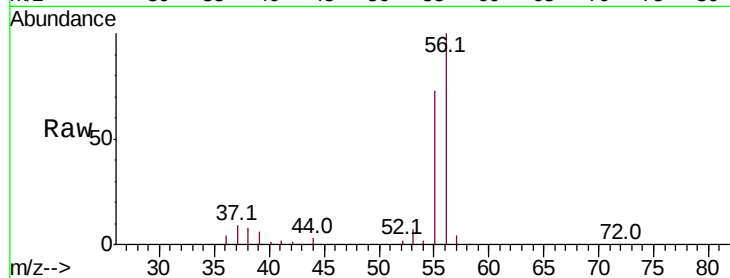
Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 56 Resp: 72056

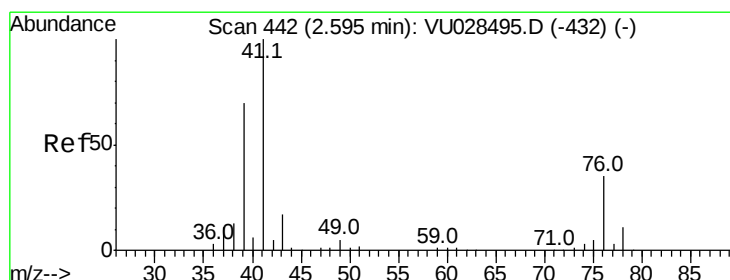
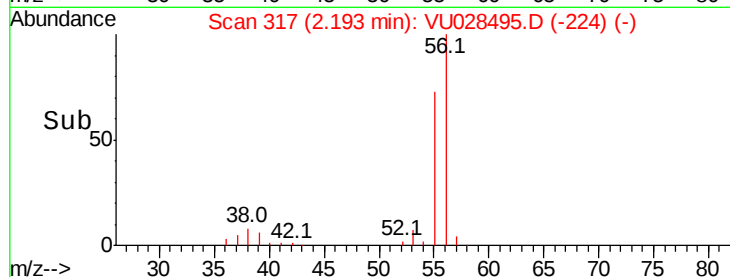
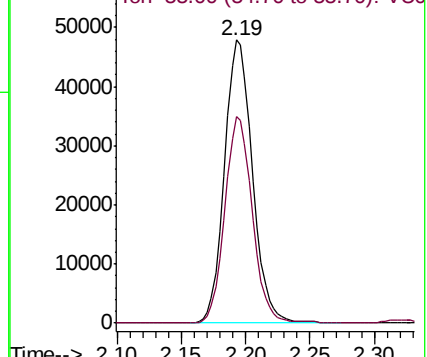
Ion Ratio Lower Upper

56 100

55 71.9 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: 47.411 ug/l

RT: 2.59 min Scan# 442

Delta R.T. 0.00 min

Lab File: VU028495.D

Acq: 06 Dec 2018 12:33

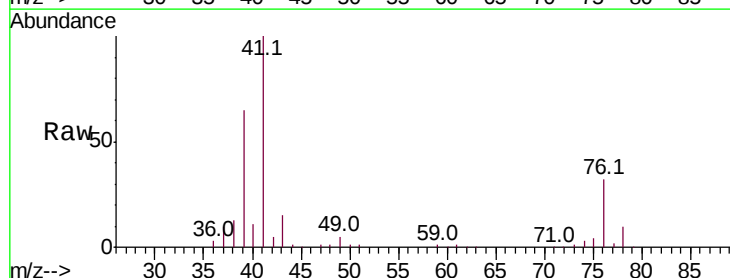
Tgt Ion: 41 Resp: 132372

Ion Ratio Lower Upper

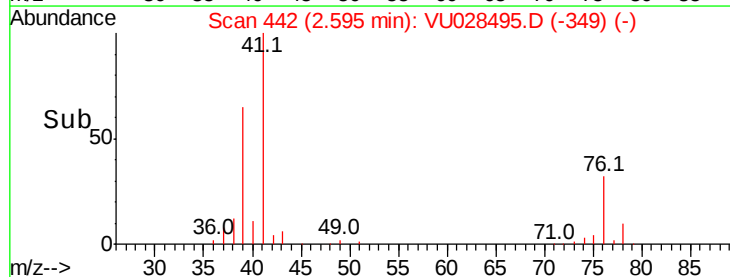
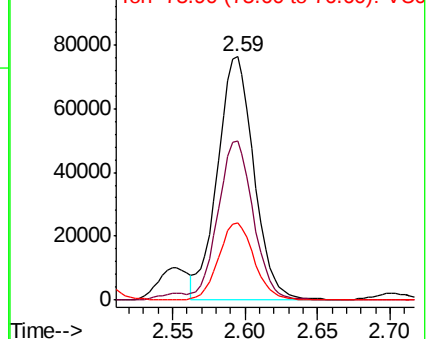
41 100

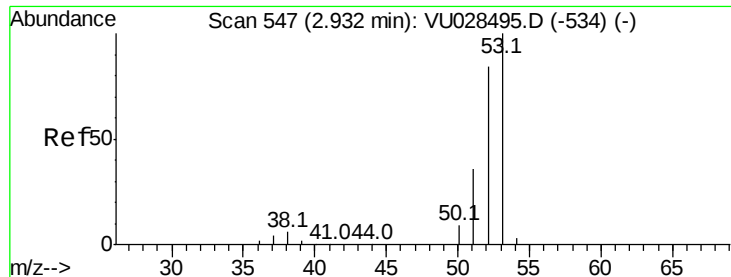
39 63.5 50.8 76.2

76 31.0 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: 252.039 ug/l

RT: 2.93 min Scan# 547

Delta R.T. 0.00 min

Lab File: VU028495.D

Acq: 06 Dec 2018 12:33

Instrument :
MSVOA_U
ClientSampleId :

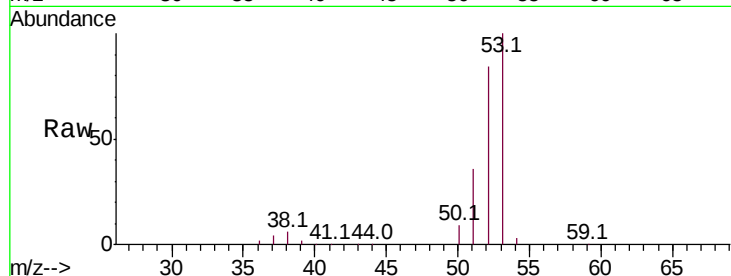
Tot Ion: 53 Resp: 252194

Ion Ratio Lower Upper

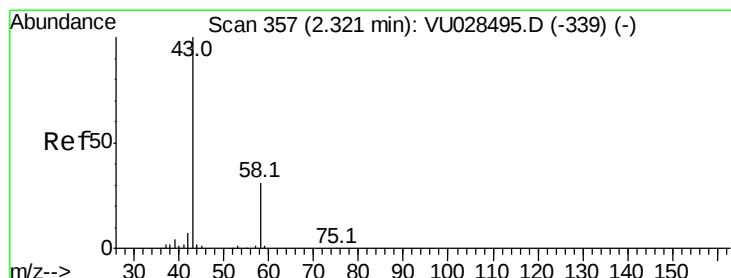
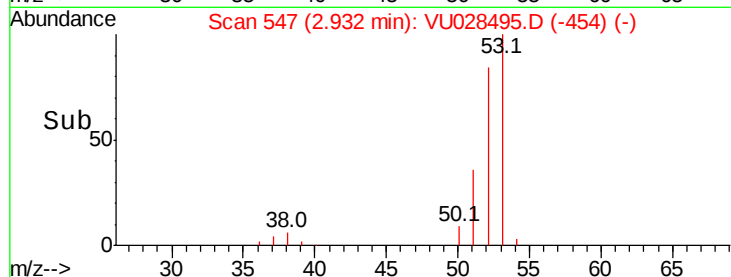
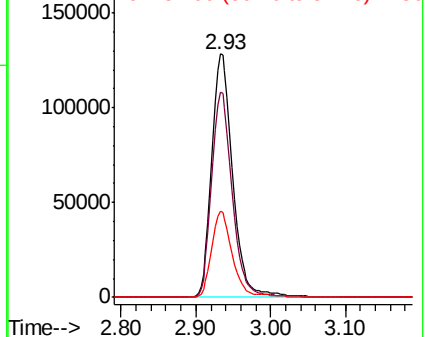
53 100

52 82.6 66.1 99.1

51 35.1 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: 234.063 ug/l

RT: 2.32 min Scan# 357

Delta R.T. 0.00 min

Lab File: VU028495.D

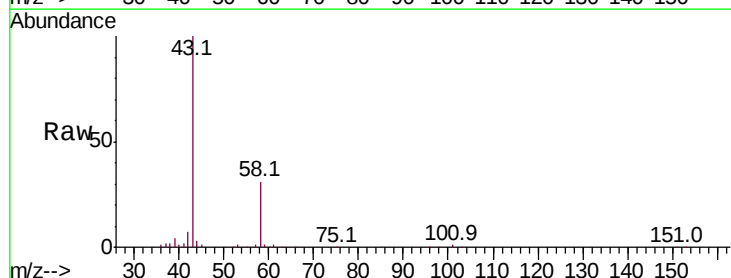
Acq: 06 Dec 2018 12:33

Tgt Ion: 43 Resp: 247079

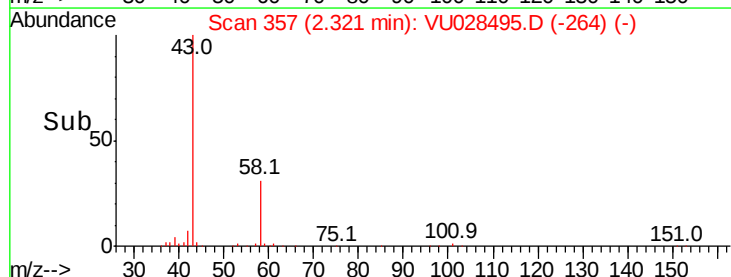
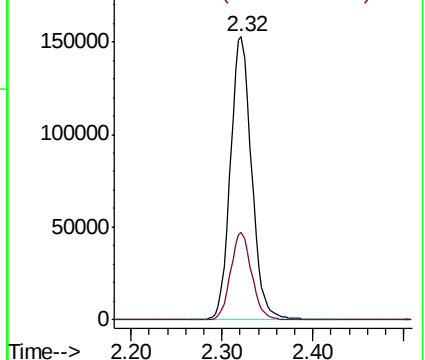
Ion Ratio Lower Upper

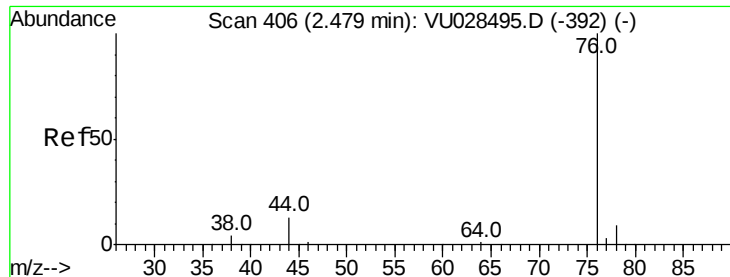
43 100

58 30.8 24.6 37.0



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

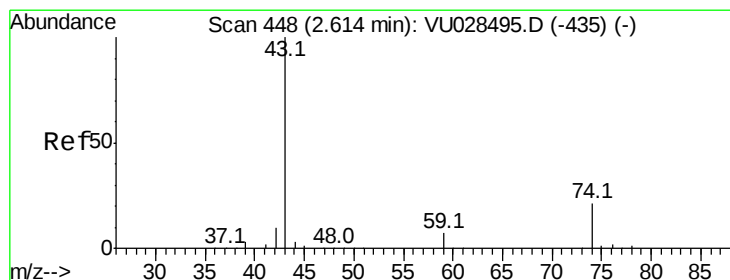
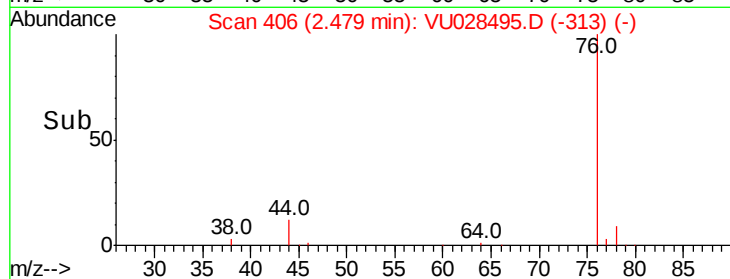
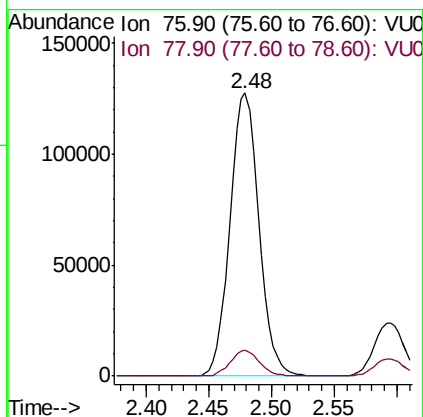
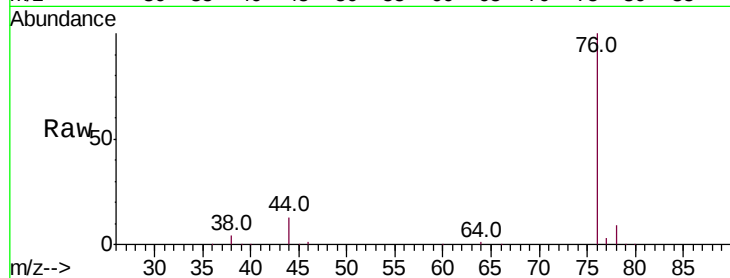




#17
Carbon Disulfide
Concen: 48.096 ug/l
RT: 2.48 min Scan# 406
Delta R.T. 0.00 min
Lab File: VU028495.D
Acq: 06 Dec 2018 12:33

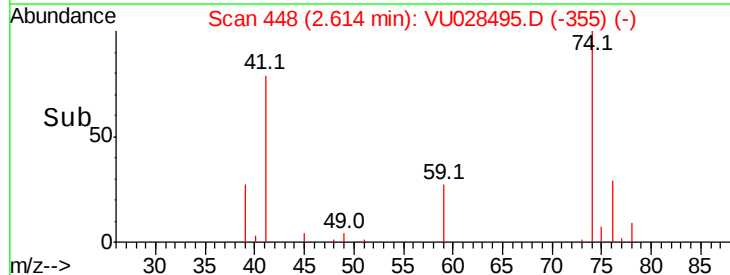
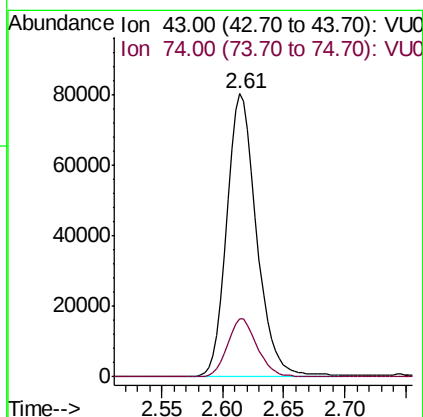
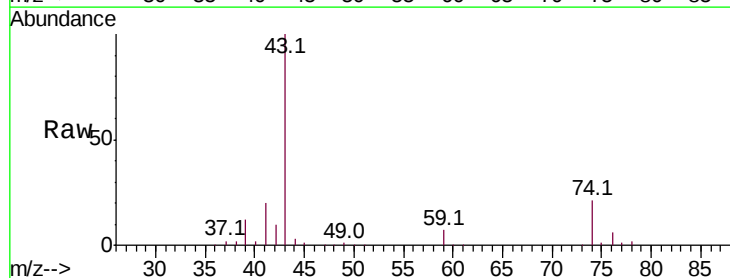
Instrument :
MSVOA_U
ClientSampled :

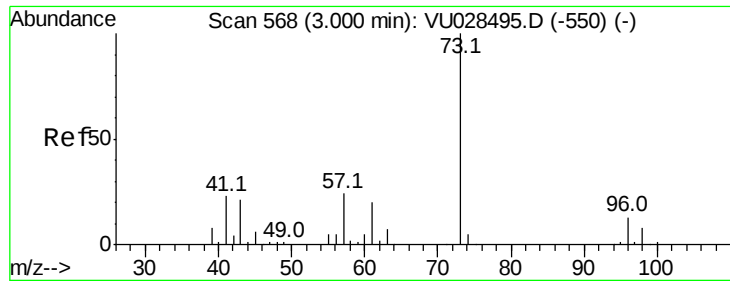
Tot Ion: 76 Resp: 204492
Ion Ratio Lower Upper
76 100
78 9.0 7.2 10.8



#18
Methyl Acetate
Concen: 50.470 ug/l
RT: 2.61 min Scan# 448
Delta R.T. 0.00 min
Lab File: VU028495.D
Acq: 06 Dec 2018 12:33

Tgt Ion: 43 Resp: 138105
Ion Ratio Lower Upper
43 100
74 20.5 16.4 24.6

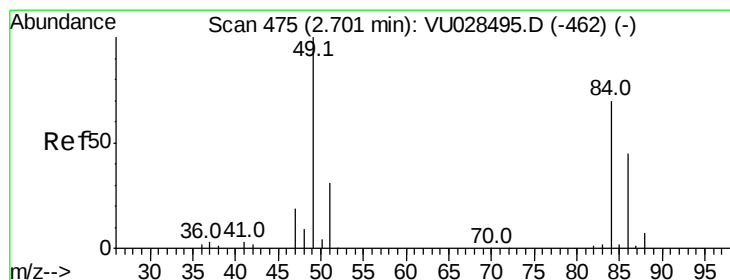
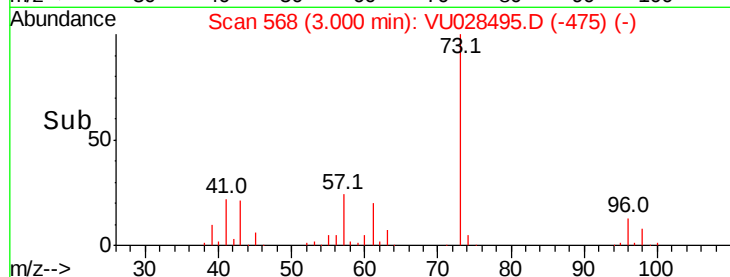
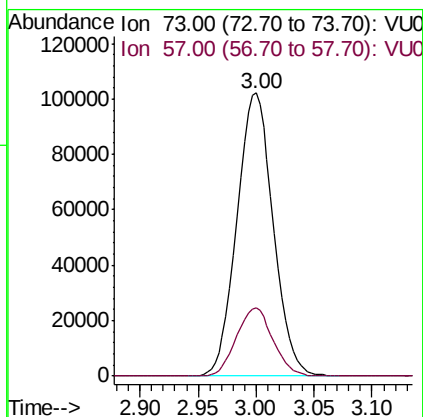
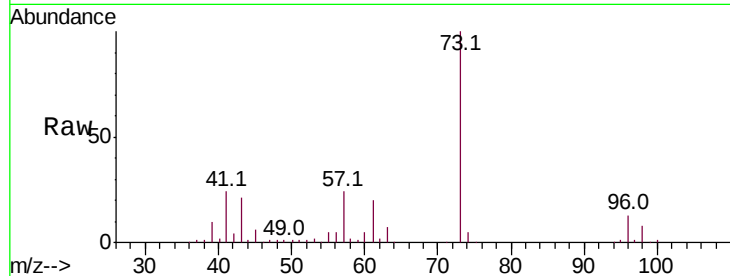




#19
Methyl tert-butyl Ether
Concen: 49.656 ug/l
RT: 3.00 min Scan# 568
Delta R.T. 0.00 min
Lab File: VU028495.D
Acq: 06 Dec 2018 12:33

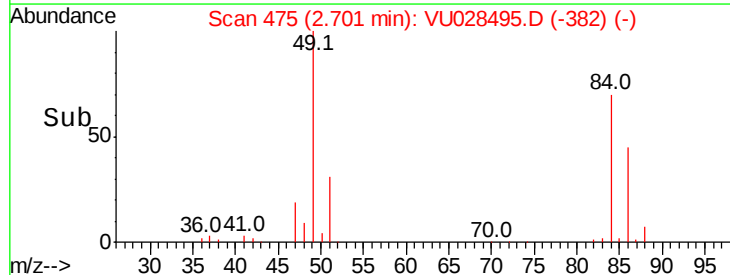
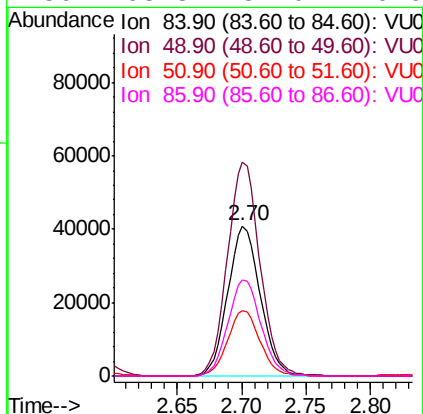
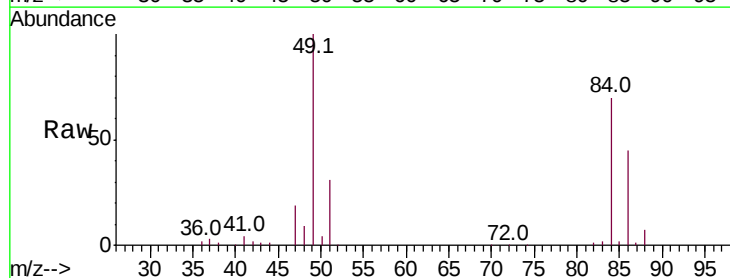
Instrument :
MSVOA_U
ClientSampled :

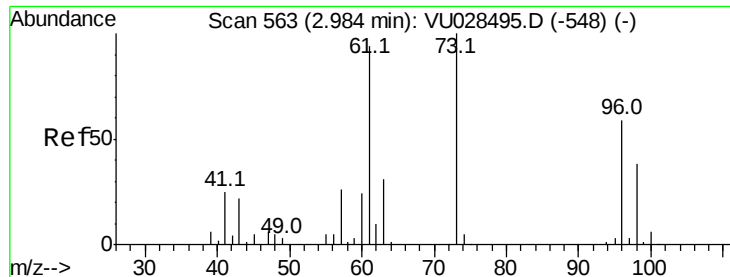
Tot Ion: 73 Resp: 222164
Ion Ratio Lower Upper
73 100
57 24.3 19.4 29.2



#20
Methylene Chloride
Concen: 46.014 ug/l
RT: 2.70 min Scan# 475
Delta R.T. 0.00 min
Lab File: VU028495.D
Acq: 06 Dec 2018 12:33

Tgt Ion: 84 Resp: 71604
Ion Ratio Lower Upper
84 100
49 142.5 114.0 171.0
51 43.9 35.1 52.7
86 63.8 51.0 76.6





#21

trans-1,2-Dichloroethene

Concen: 49.197 ug/l

RT: 2.98 min Scan# 563

Delta R.T. 0.00 min

Lab File: VU028495.D

Acq: 06 Dec 2018 12:33

Instrument :

MSVOA_U

ClientSampled :

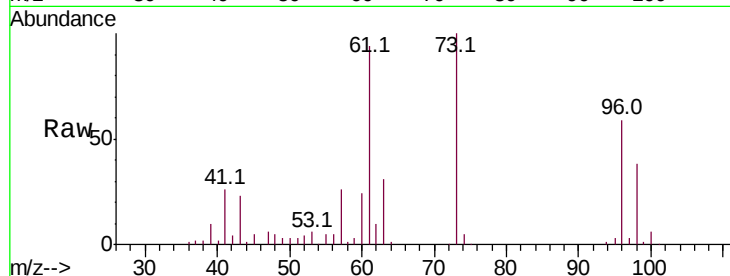
Tot Ion: 96 Resp: 65374

Ion Ratio Lower Upper

96 100

61 158.7 127.0 190.4

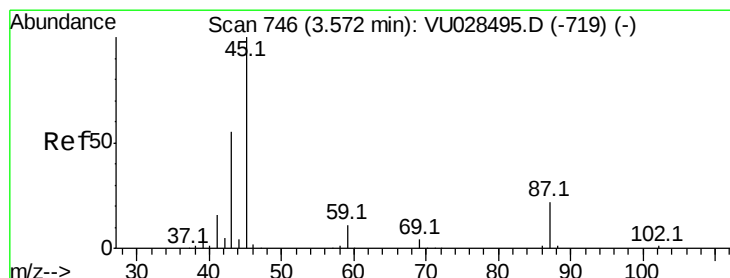
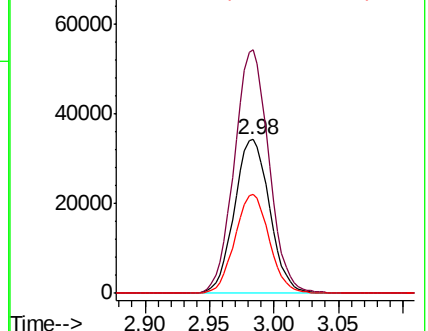
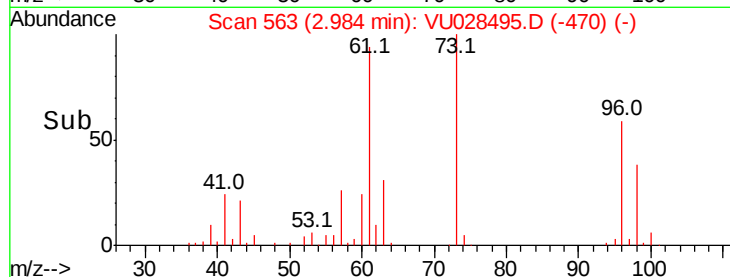
98 64.9 51.9 77.9



Abundance Ion 95.90 (95.60 to 96.60): VU0

Ion 60.90 (60.60 to 61.60): VU0

Ion 97.90 (97.60 to 98.60): VU0



#22

Diisopropyl ether

Concen: 50.244 ug/l

RT: 3.57 min Scan# 746

Delta R.T. 0.00 min

Lab File: VU028495.D

Acq: 06 Dec 2018 12:33

Tgt Ion: 45 Resp: 272800

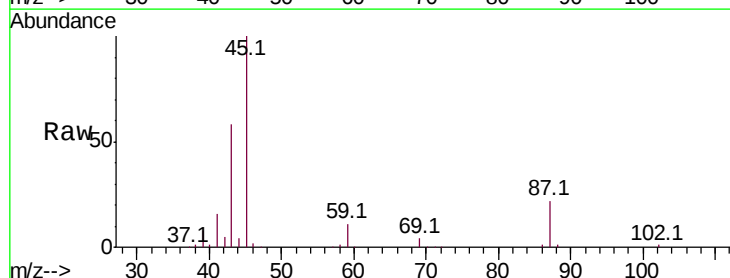
Ion Ratio Lower Upper

45 100

43 56.6 45.3 67.9

87 22.0 17.6 26.4

59 11.0 8.8 13.2

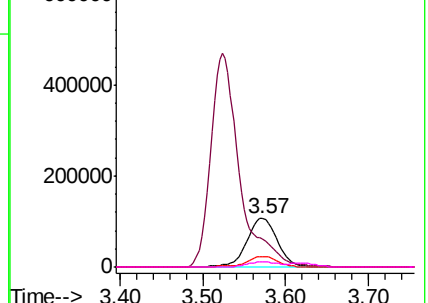
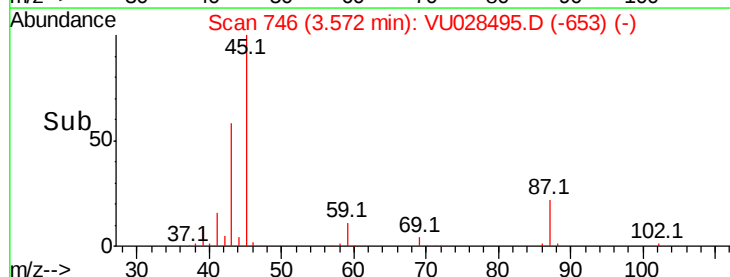


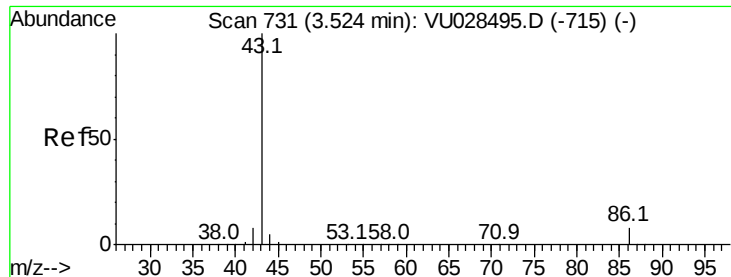
Abundance Ion 45.00 (44.70 to 45.70): VU0

Ion 43.00 (42.70 to 43.70): VU0

Ion 87.00 (86.70 to 87.70): VU0

Ion 59.00 (58.70 to 59.70): VU0





#23

Vinyl Acetate

Concen: 254.159 ug/l

RT: 3.52 min Scan# 731

Delta R.T. 0.00 min

Lab File: VU028495.D

Acq: 06 Dec 2018 12:33

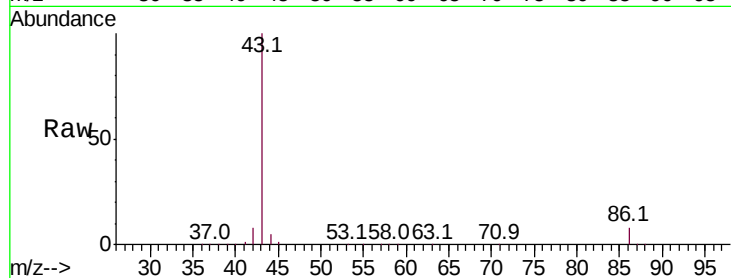
Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 43 Resp: 1138251

Ion Ratio Lower Upper

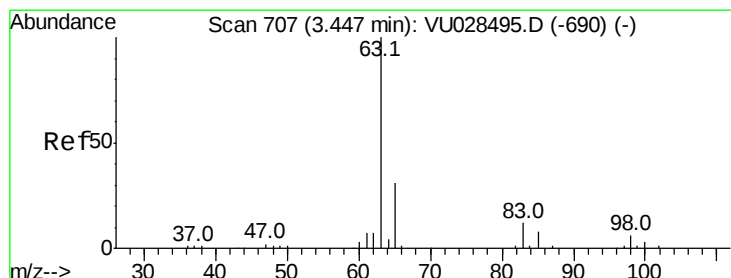
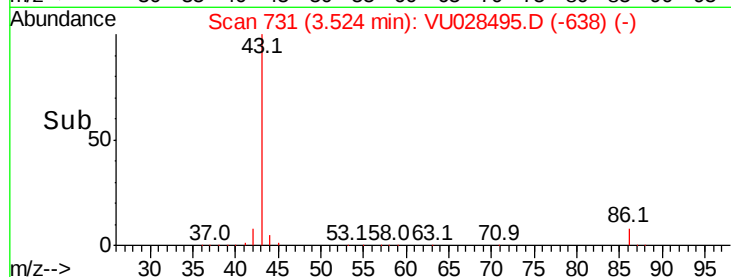
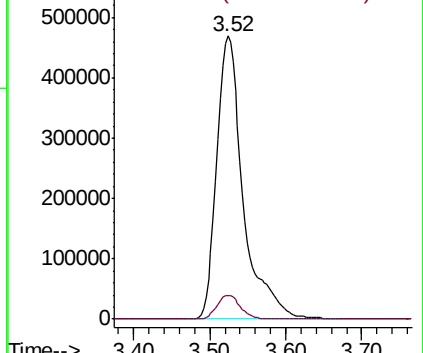
43 100

86 8.5 6.8 10.2



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 86.00 (85.70 to 86.70): VU0



#24

1,1-Dichloroethane

Concen: 48.672 ug/l

RT: 3.45 min Scan# 707

Delta R.T. 0.00 min

Lab File: VU028495.D

Acq: 06 Dec 2018 12:33

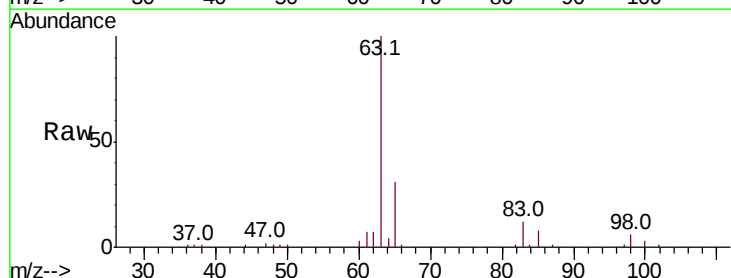
Tgt Ion: 63 Resp: 138331

Ion Ratio Lower Upper

63 100

98 6.1 3.0 9.2

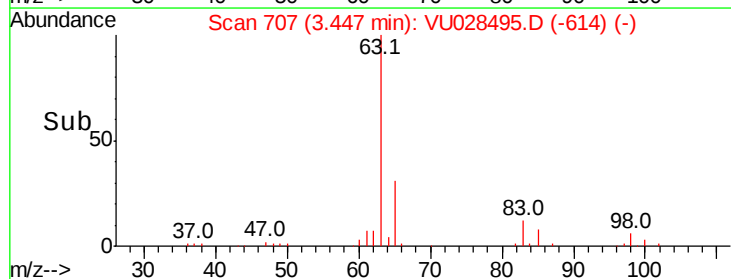
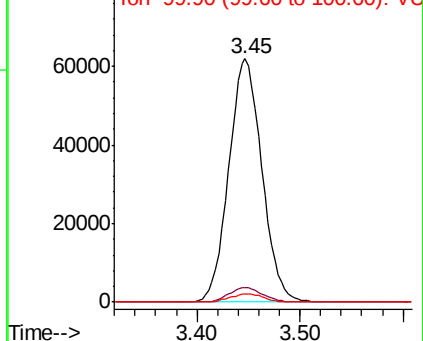
100 3.4 1.7 5.1

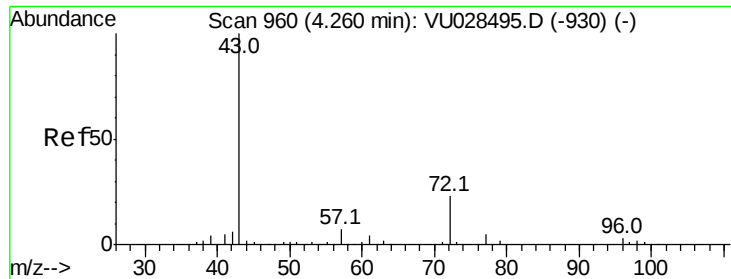


Abundance Ion 62.90 (62.60 to 63.60): VU0

Ion 97.90 (97.60 to 98.60): VU0

Ion 99.90 (99.60 to 100.60): VU0





#25

2-Butanone

Concen: 252.149 ug/l

RT: 4.26 min Scan# 960

Delta R.T. 0.00 min

Lab File: VU028495.D

Acq: 06 Dec 2018 12:33

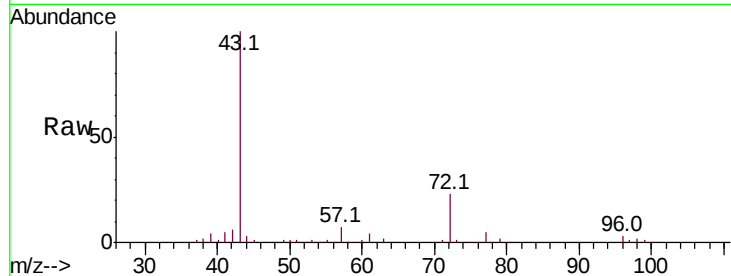
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 43 Resp: 363748

Ion Ratio Lower Upper

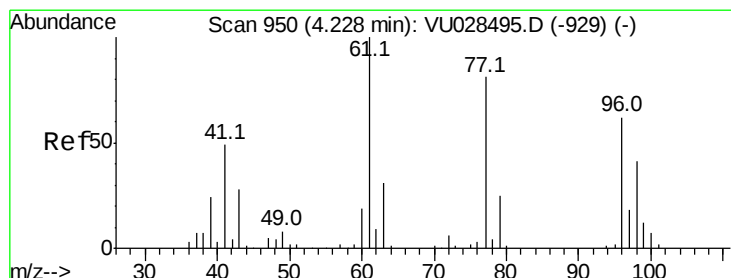
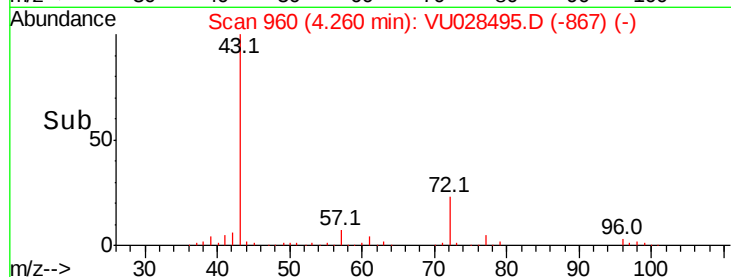
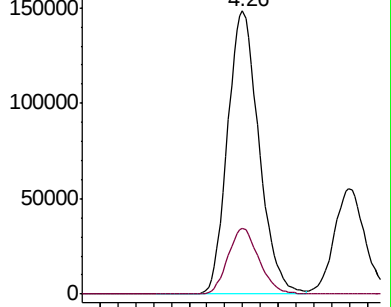
43 100

72 23.3 18.6 28.0



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 72.00 (71.70 to 72.70): VU0



#26

2,2-Dichloropropane

Concen: 48.286 ug/l

RT: 4.23 min Scan# 950

Delta R.T. 0.00 min

Lab File: VU028495.D

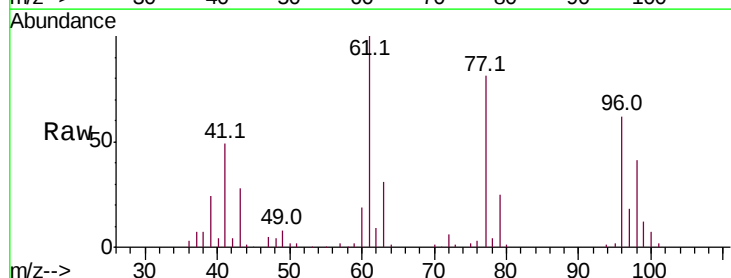
Acq: 06 Dec 2018 12:33

Tgt Ion: 77 Resp: 108739

Ion Ratio Lower Upper

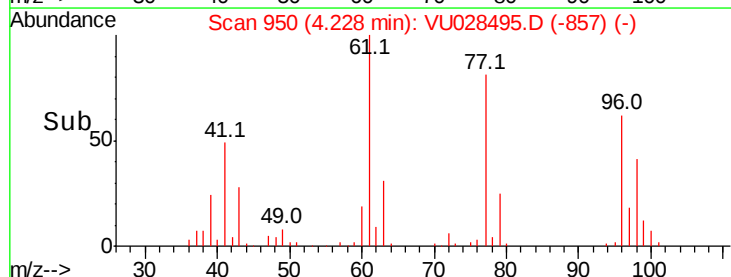
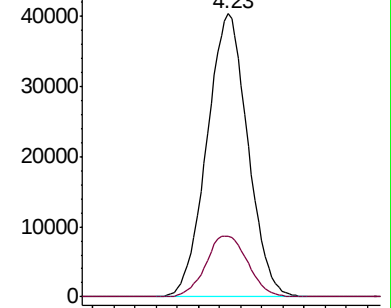
77 100

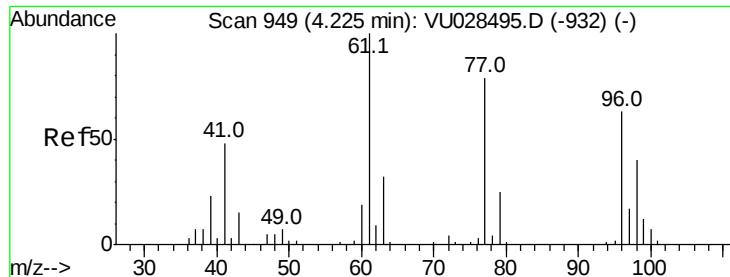
97 22.0 11.0 33.0



Abundance Ion 76.90 (76.60 to 77.60): VU0

Ion 96.90 (96.60 to 97.60): VU0



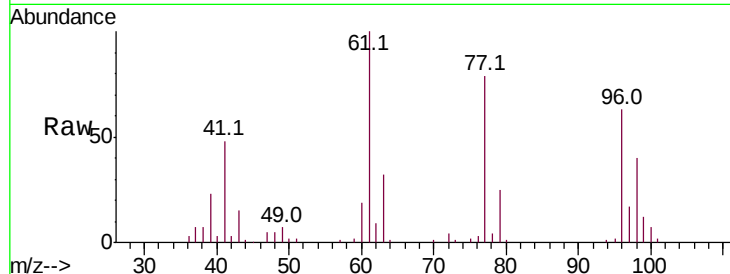


#27

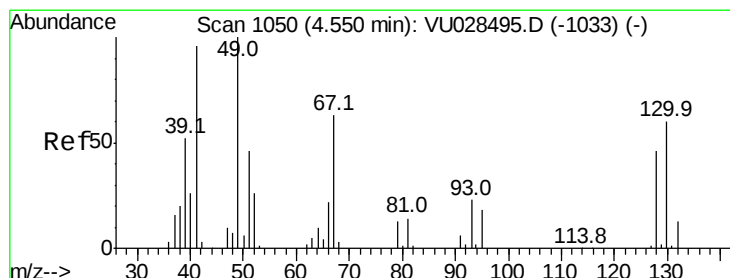
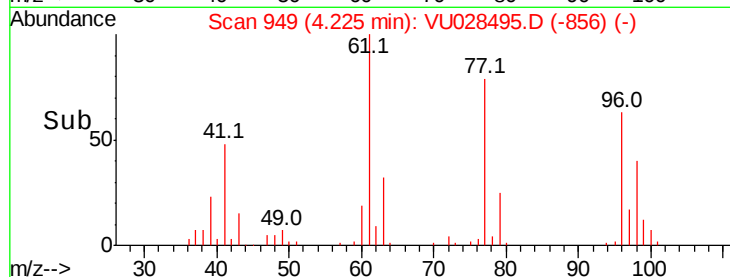
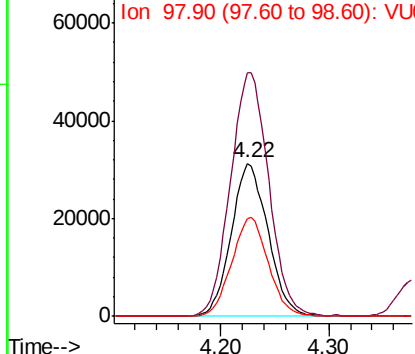
cis-1,2-Dichloroethene
Concen: 49.249 ug/l
RT: 4.22 min Scan# 949
Delta R.T. 0.00 min
Lab File: VU028495.D
Acq: 06 Dec 2018 12:33

Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 96 Resp: 74072
Ion Ratio Lower Upper
96 100
61 166.2 0.0 332.4
98 64.5 0.0 129.0



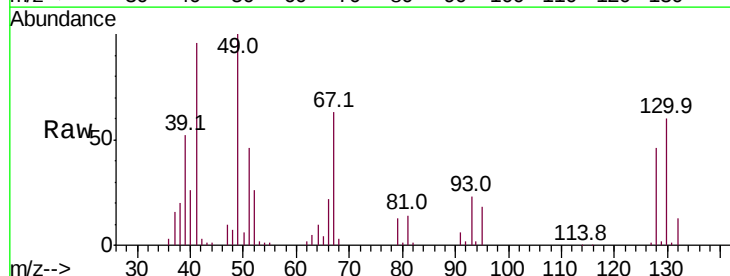
Abundance Ion 95.90 (95.60 to 96.60): VU0
Ion 60.90 (60.60 to 61.60): VU0
Ion 97.90 (97.60 to 98.60): VU0



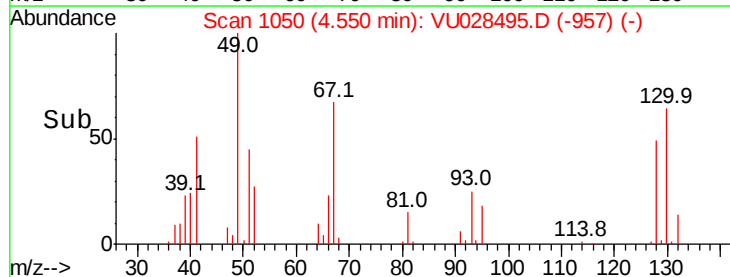
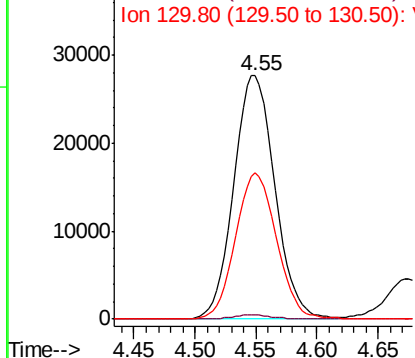
#28

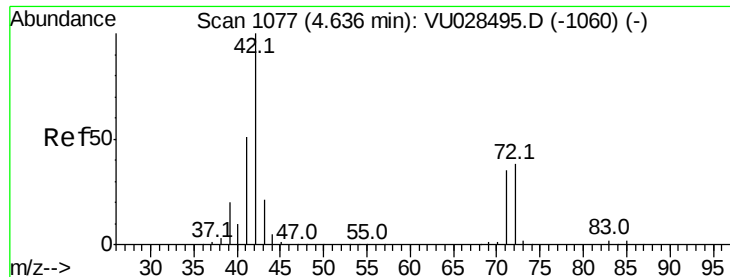
Bromochloromethane
Concen: 50.080 ug/l
RT: 4.55 min Scan# 1050
Delta R.T. 0.00 min
Lab File: VU028495.D
Acq: 06 Dec 2018 12:33

Tgt Ion: 49 Resp: 64705
Ion Ratio Lower Upper
49 100
129 1.5 0.0 3.0
130 59.8 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: 254.879 ug/l

RT: 4.64 min Scan# 1077

Delta R.T. 0.00 min

Lab File: VU028495.D

Acq: 06 Dec 2018 12:33

Instrument :

MSVOA_U

ClientSampleId :

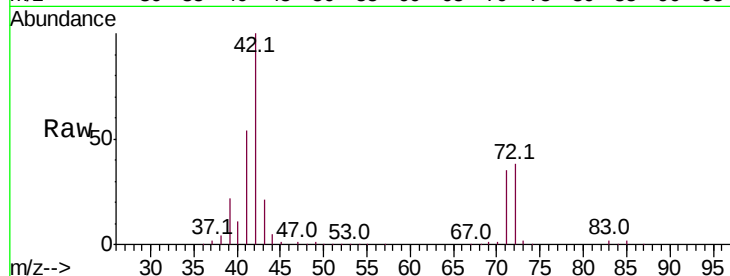
Tot Ion: 42 Resp: 236143

Ion Ratio Lower Upper

42 100

72 39.2 31.4 47.0

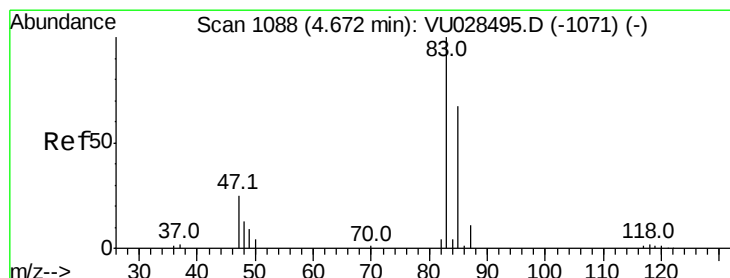
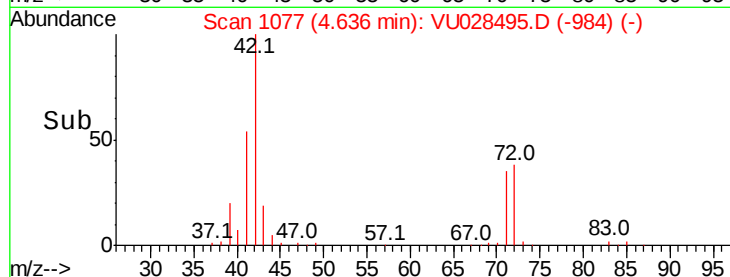
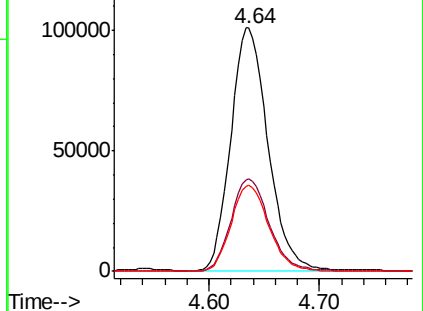
71 35.8 28.6 43.0



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: 49.258 ug/l

RT: 4.67 min Scan# 1088

Delta R.T. 0.00 min

Lab File: VU028495.D

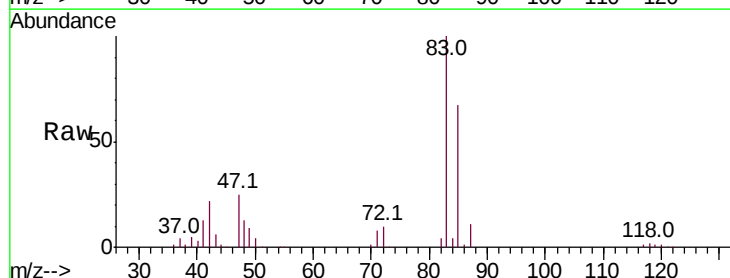
Acq: 06 Dec 2018 12:33

Tgt Ion: 83 Resp: 122017

Ion Ratio Lower Upper

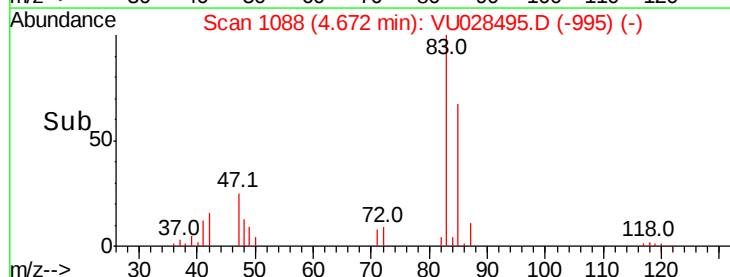
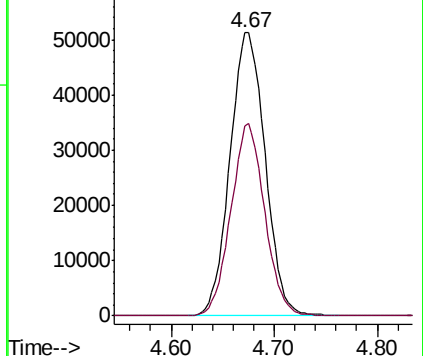
83 100

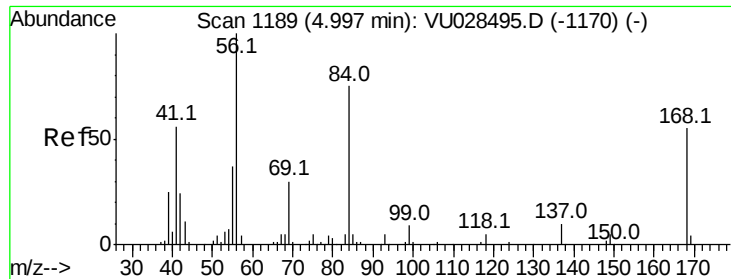
85 67.0 53.6 80.4



Abundance Ion 82.90 (82.60 to 83.60): VU0

Ion 84.90 (84.60 to 85.60): VU0

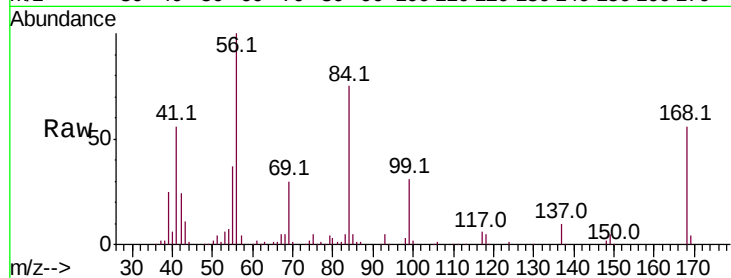




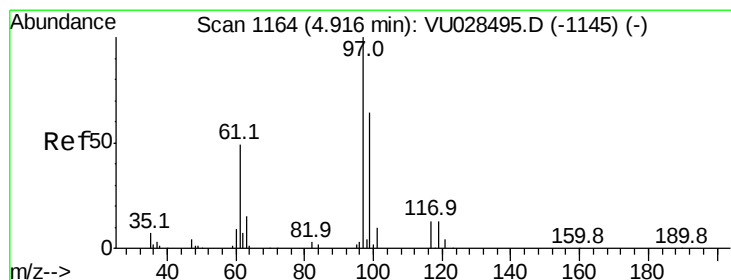
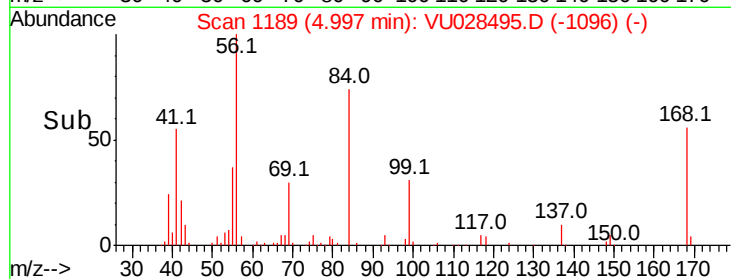
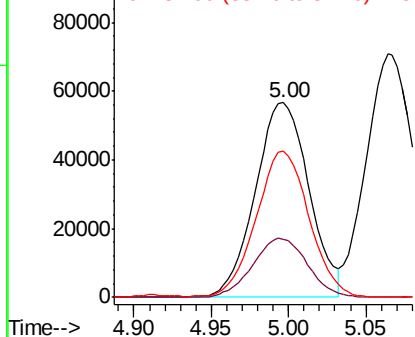
#31
Cyclohexane
Concen: 41.135 ug/l
RT: 5.00 min Scan# 1189
Delta R.T. 0.00 min
Lab File: VU028495.D
Acq: 06 Dec 2018 12:33

Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 56 Resp: 137143
Ion Ratio Lower Upper
56 100
69 30.0 24.0 36.0
84 74.6 59.7 89.5

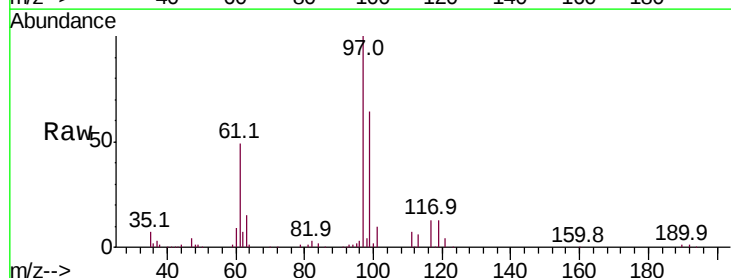


Abundance Ion 56.00 (55.70 to 56.70): VU0
Ion 69.00 (68.70 to 69.70): VU0
Ion 84.00 (83.70 to 84.70): VU0

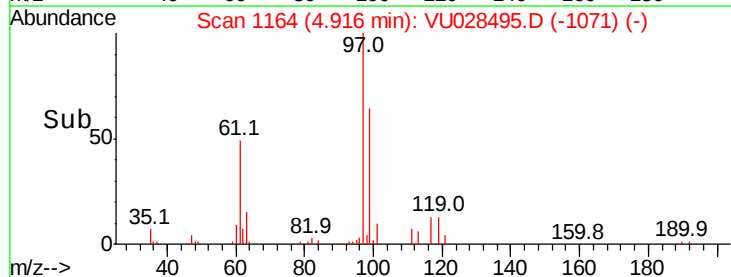
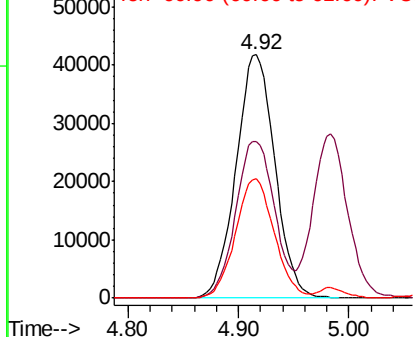


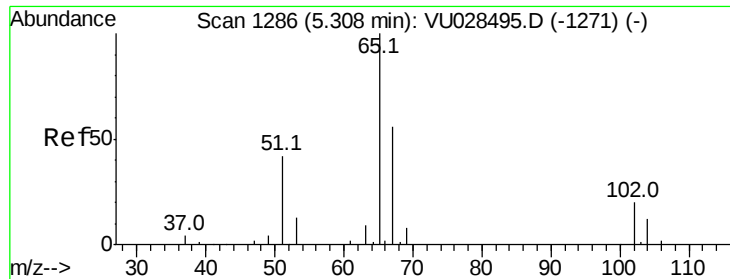
#32
1,1,1-Trichloroethane
Concen: 49.454 ug/l
RT: 4.92 min Scan# 1164
Delta R.T. 0.00 min
Lab File: VU028495.D
Acq: 06 Dec 2018 12:33

Tgt Ion: 97 Resp: 101742
Ion Ratio Lower Upper
97 100
99 65.4 52.3 78.5
61 48.8 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

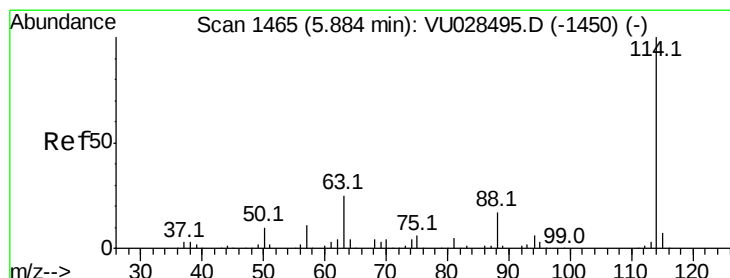
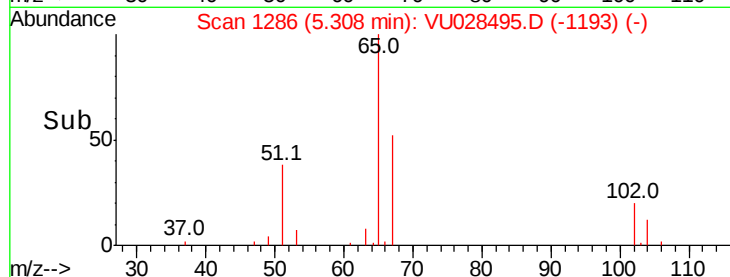
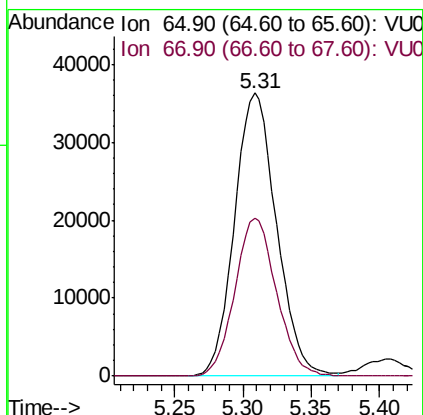
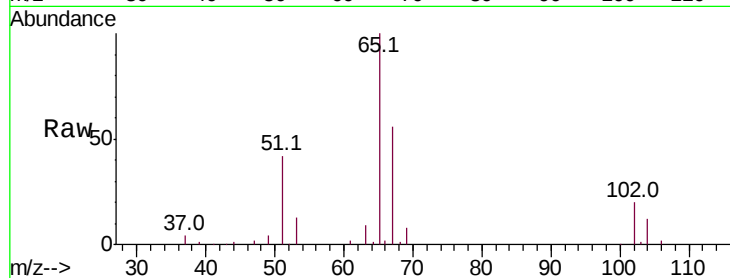




#33
 1,2-Dichloroethane-d4
 Concen: 47.949 ug/l
 RT: 5.31 min Scan# 1286
 Delta R.T. 0.00 min
 Lab File: VU028495.D
 Acq: 06 Dec 2018 12:33

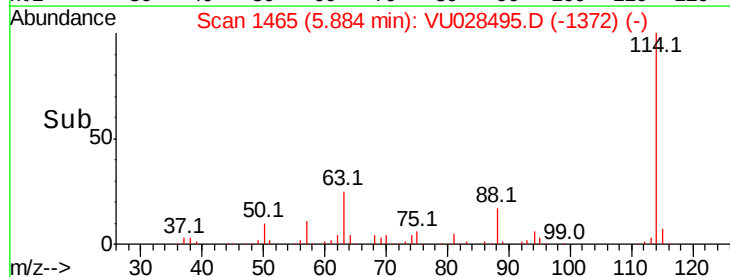
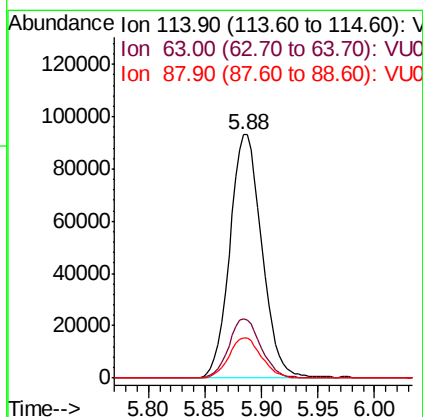
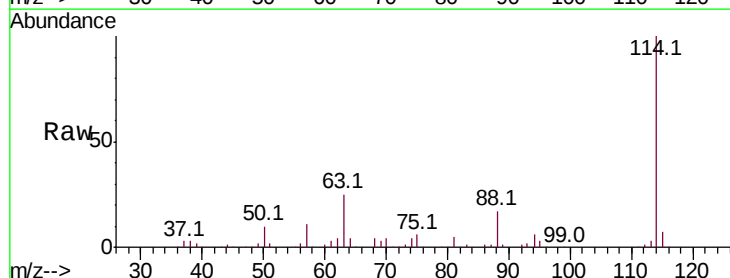
Instrument :
 MSVOA_U
 ClientSampleId :

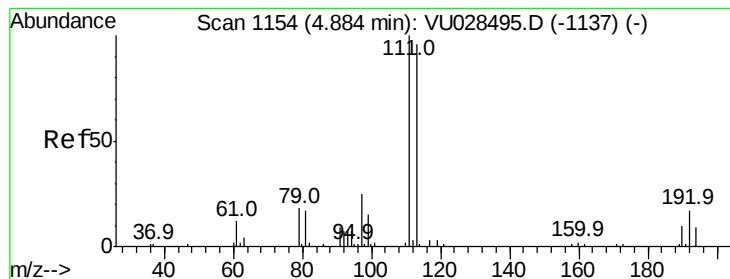
Tot Ion: 65 Resp: 77566
 Ion Ratio Lower Upper
 65 100
 67 55.3 0.0 110.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.88 min Scan# 1465
 Delta R.T. 0.00 min
 Lab File: VU028495.D
 Acq: 06 Dec 2018 12:33

Tgt Ion: 114 Resp: 184108
 Ion Ratio Lower Upper
 114 100
 63 24.6 0.0 49.2
 88 16.7 0.0 33.4





#35

Dibromofluoromethane

Concen: 49.009 ug/l

RT: 4.88 min Scan# 1154

Delta R.T. 0.00 min

Lab File: VU028495.D

Acq: 06 Dec 2018 12:33

Instrument :
MSVOA_U
ClientSampleId :

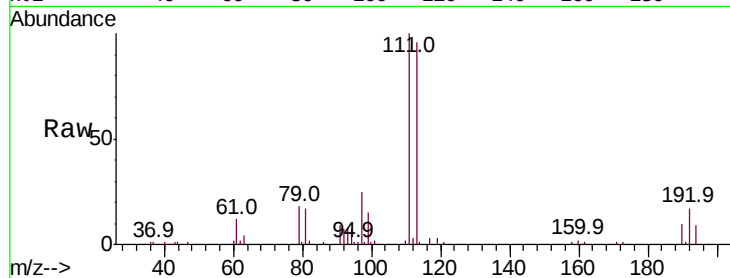
Tot Ion:113 Resp: 56782

Ion Ratio Lower Upper

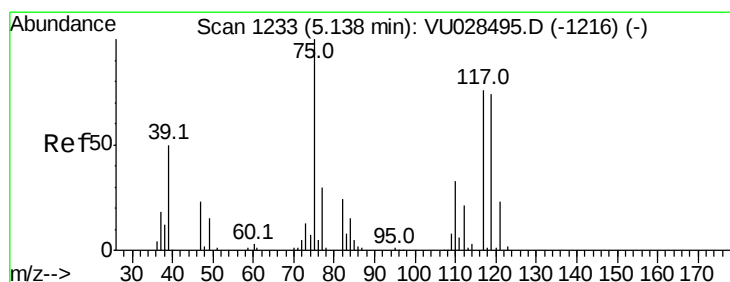
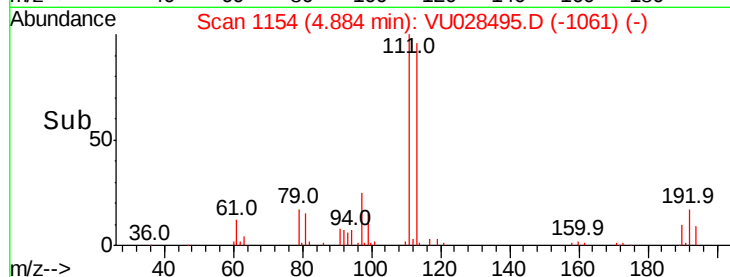
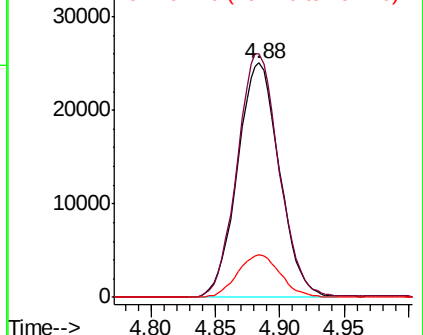
113 100

111 104.2 83.4 125.0

192 18.5 14.8 22.2



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



#36

1,1-Dichloropropene

Concen: 49.556 ug/l

RT: 5.14 min Scan# 1233

Delta R.T. 0.00 min

Lab File: VU028495.D

Acq: 06 Dec 2018 12:33

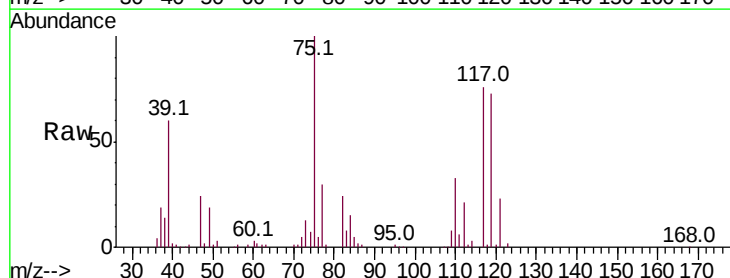
Tgt Ion: 75 Resp: 99839

Ion Ratio Lower Upper

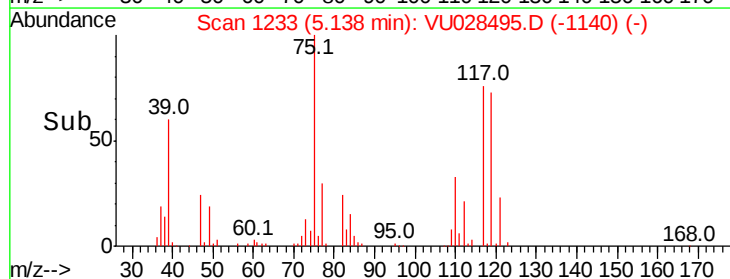
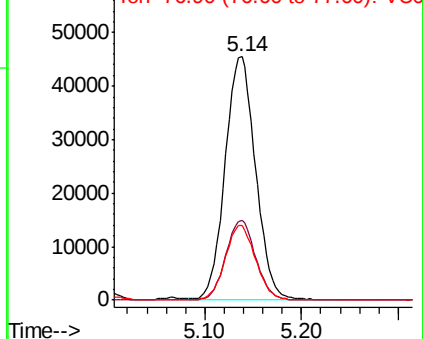
75 100

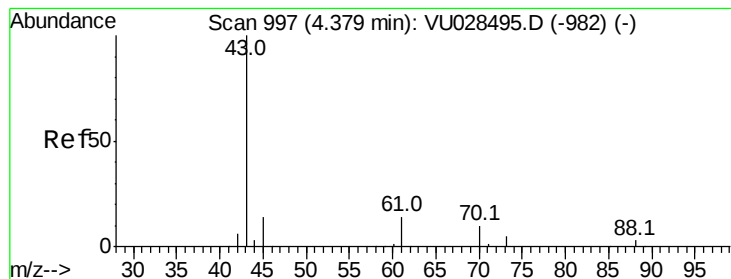
110 32.1 16.1 48.2

77 30.6 24.5 36.7



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





#37

Ethyl Acetate

Concen: 51.388 ug/l

RT: 4.38 min Scan# 997

Delta R.T. 0.00 min

Lab File: VU028495.D

Acq: 06 Dec 2018 12:33

Instrument :

MSVOA_U

ClientSampleId :

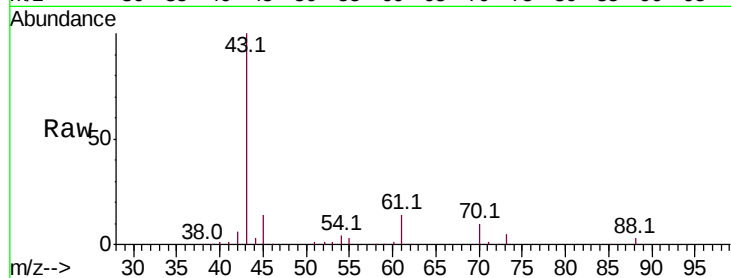
Tot Ion: 43 Resp: 133834

Ion Ratio Lower Upper

43 100

61 13.7 11.0 16.4

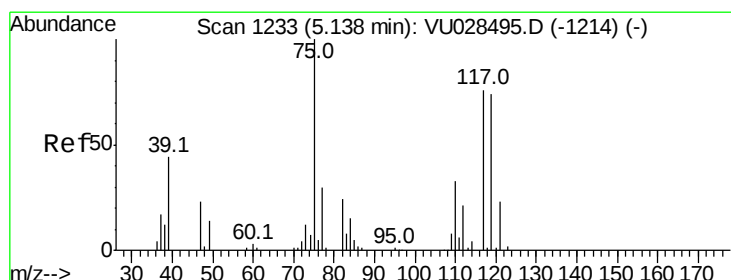
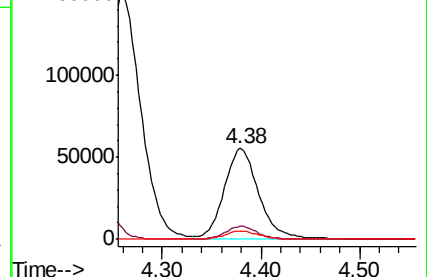
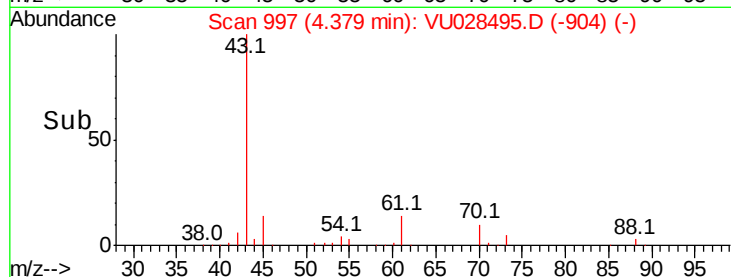
70 9.2 7.4 11.0



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) (-)



#38

Carbon Tetrachloride

Concen: 49.183 ug/l

RT: 5.14 min Scan# 1233

Delta R.T. 0.00 min

Lab File: VU028495.D

Acq: 06 Dec 2018 12:33

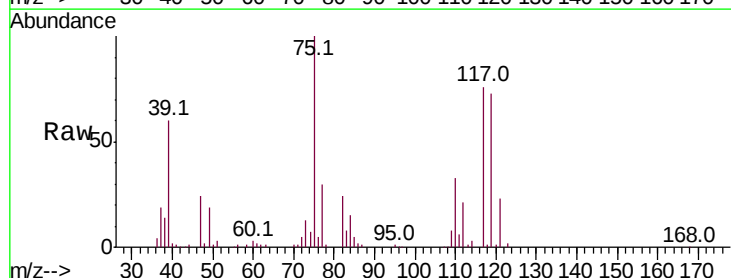
Tgt Ion: 117 Resp: 79864

Ion Ratio Lower Upper

117 100

119 97.0 77.6 116.4

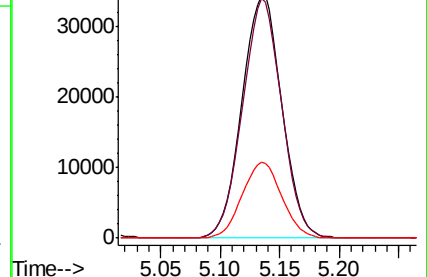
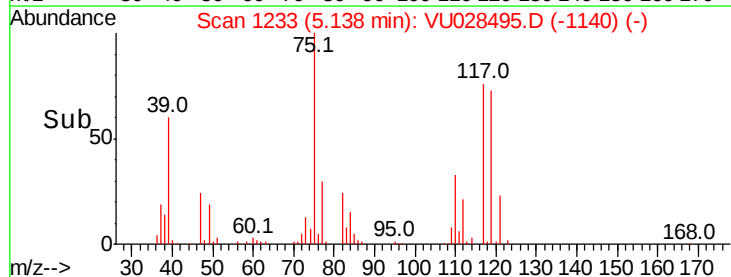
121 30.7 24.6 36.8

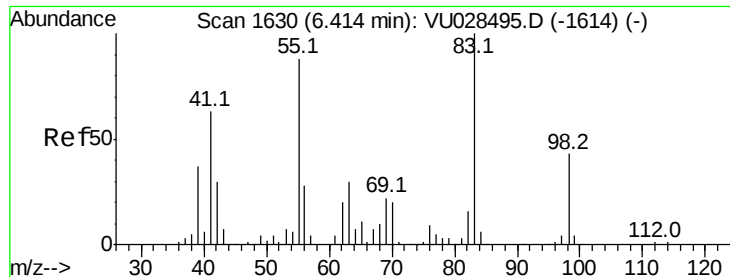


Abundance Ion 116.80 (116.50 to 117.50): VU028495.D (-1214) (-)

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

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

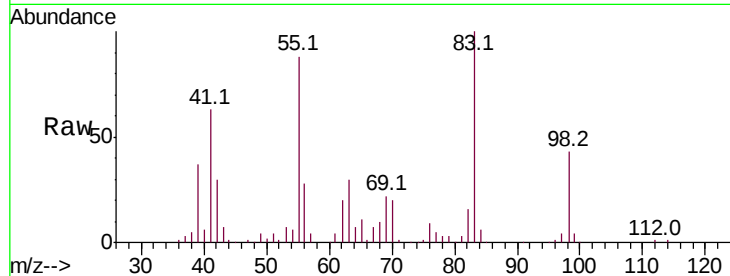




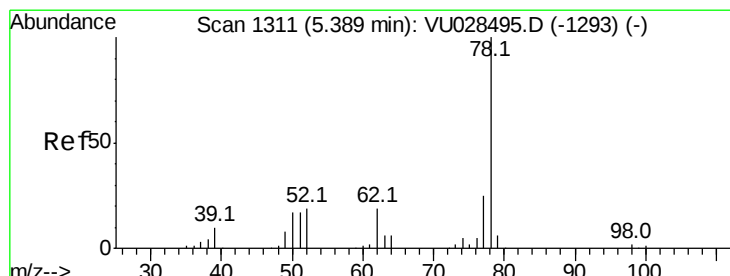
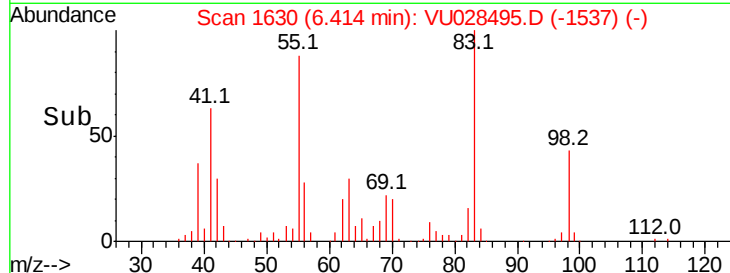
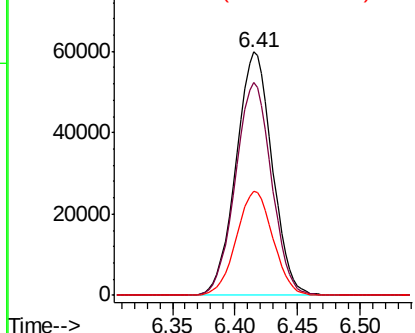
#39
Methvlcvclohexane
Concen: 48.706 ug/l
RT: 6.41 min Scan# 1630
Delta R.T. 0.00 min
Lab File: VU028495.D
Acq: 06 Dec 2018 12:33

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 83 Resp: 119712
Ion Ratio Lower Upper
83 100
55 87.7 70.2 105.2
98 42.8 34.2 51.4

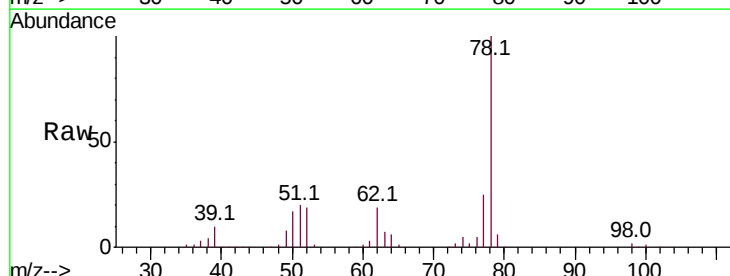


Abundance Ion 83.00 (82.70 to 83.70): VU0
Ion 55.00 (54.70 to 55.70): VU0
Ion 98.00 (97.70 to 98.70): VU0

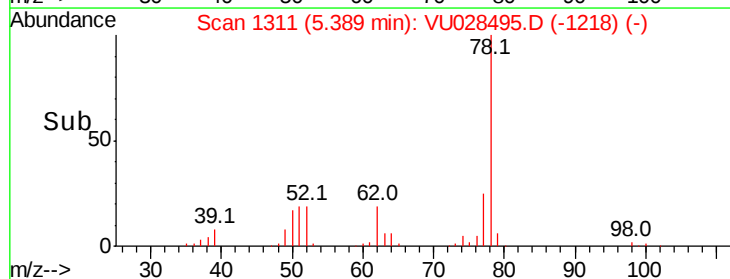
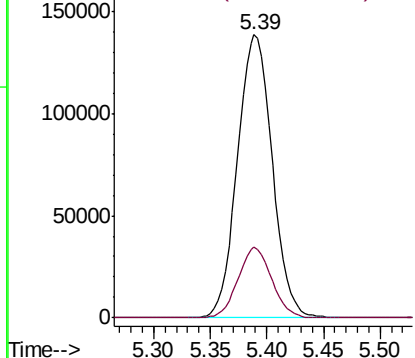


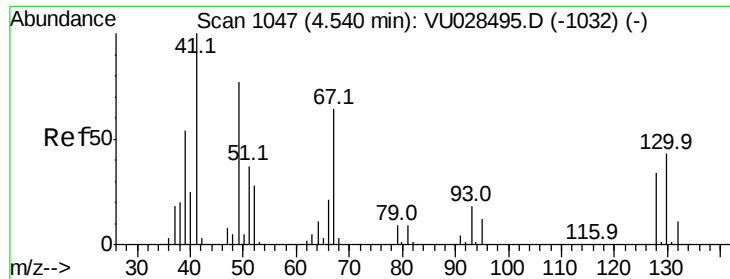
#40
Benzene
Concen: 50.043 ug/l
RT: 5.39 min Scan# 1311
Delta R.T. 0.00 min
Lab File: VU028495.D
Acq: 06 Dec 2018 12:33

Tgt Ion: 78 Resp: 296939
Ion Ratio Lower Upper
78 100
77 24.9 19.9 29.9



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

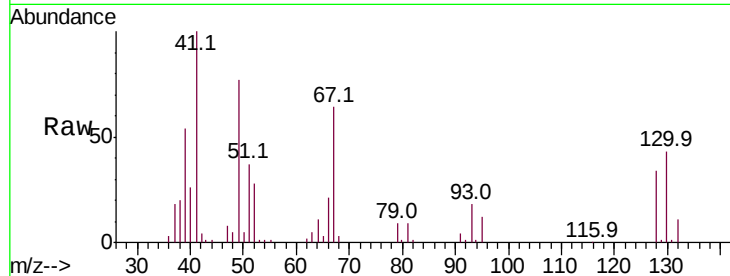




#41
Methacrylonitrile
Concen: 51.290 ug/l
RT: 4.54 min Scan# 1047
Delta R.T. 0.00 min
Lab File: VU028495.D
Acq: 06 Dec 2018 12:33

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion:	41	Resp:	73154
Ion	Ratio	Lower	Upper
41	100		
39	54.1	43.3	64.9
67	67.0	53.6	80.4
52	27.6	22.1	33.1



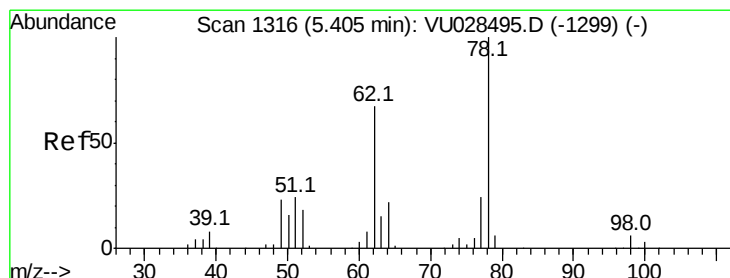
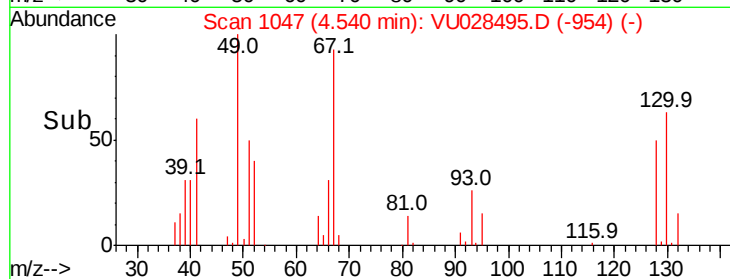
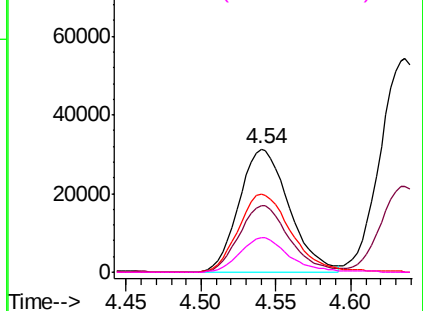
Abundance

Ion 41.00 (40.70 to 41.70): VU0

Ion 39.00 (38.70 to 39.70): VU0

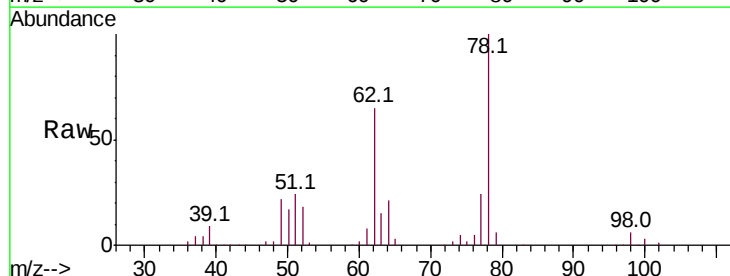
Ion 67.00 (66.70 to 67.70): VU0

Ion 52.00 (51.70 to 52.70): VU0



#42
1,2-Dichloroethane
Concen: 49.725 ug/l
RT: 5.40 min Scan# 1316
Delta R.T. 0.00 min
Lab File: VU028495.D
Acq: 06 Dec 2018 12:33

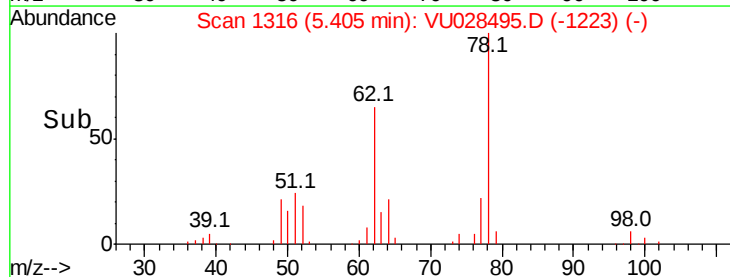
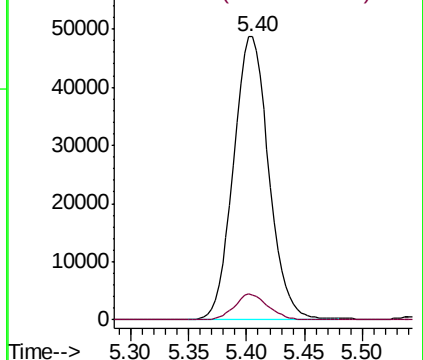
Tgt Ion:	62	Resp:	103279
Ion	Ratio	Lower	Upper
62	100		
98	8.6	0.0	17.2

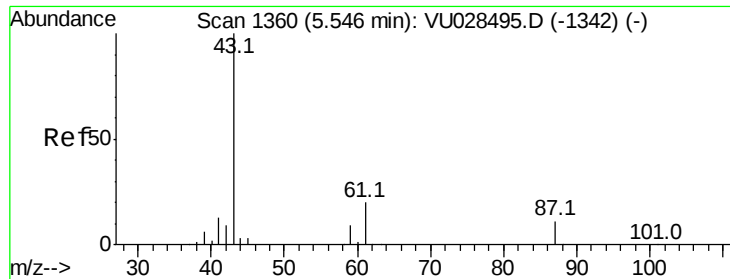


Abundance

Ion 61.90 (61.60 to 62.60): VU0

Ion 97.90 (97.60 to 98.60): VU0





#43

Isopropyl Acetate

Concen: 51.188 ug/l

RT: 5.55 min Scan# 1360

Delta R.T. 0.00 min

Lab File: VU028495.D

Acq: 06 Dec 2018 12:33

Instrument :

MSVOA_U

ClientSampleId :

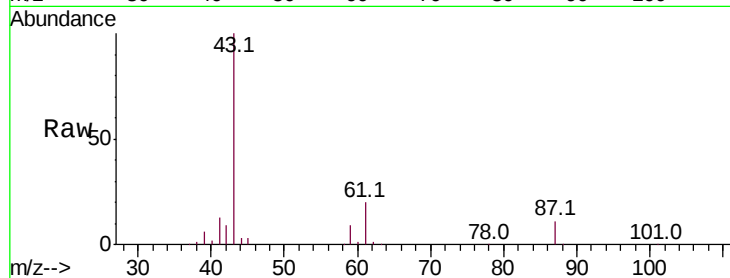
Tot Ion: 43 Resp: 210859

Ion	Ratio	Lower	Upper
43	100		
61	19.4	15.5	23.3
87	10.9	8.7	13.1

43 100

61 19.4 15.5 23.3

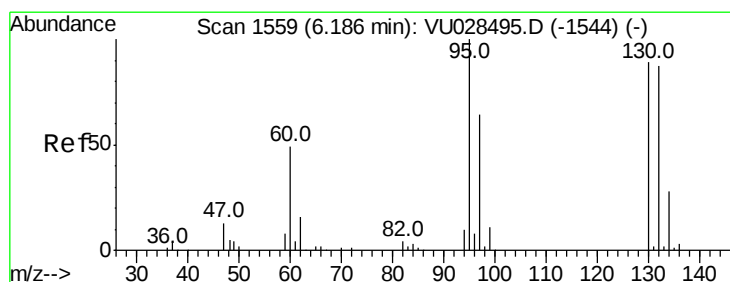
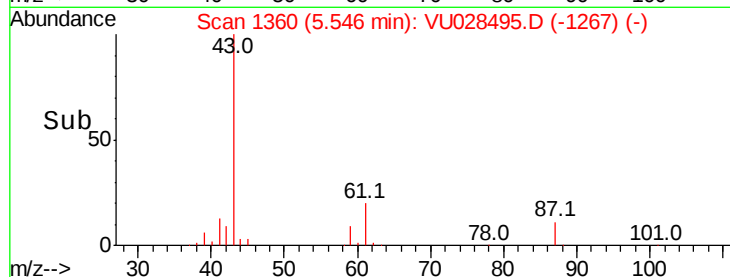
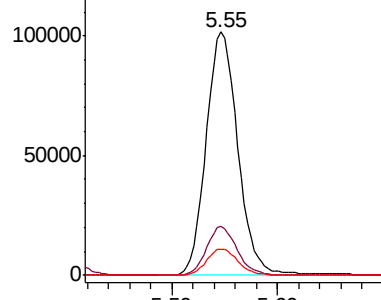
87 10.9 8.7 13.1



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: 48.833 ug/l

RT: 6.19 min Scan# 1559

Delta R.T. 0.00 min

Lab File: VU028495.D

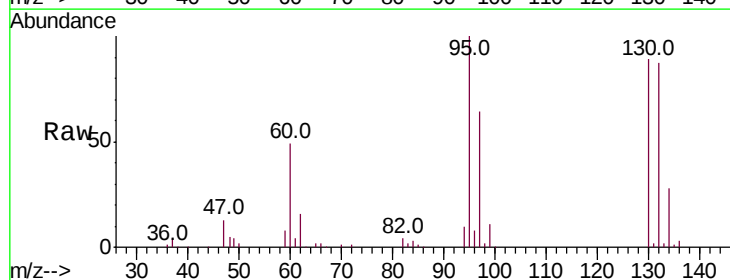
Acq: 06 Dec 2018 12:33

Tgt Ion:130 Resp: 64427

Ion	Ratio	Lower	Upper
130	100		
95	112.0	0.0	224.0

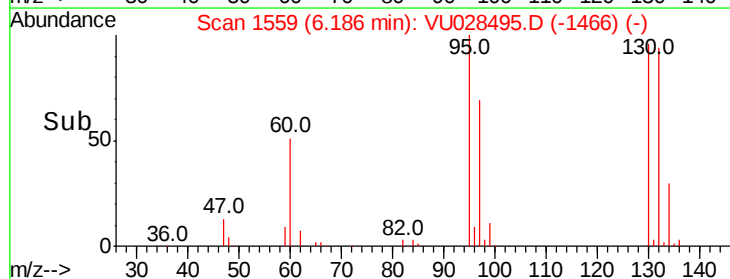
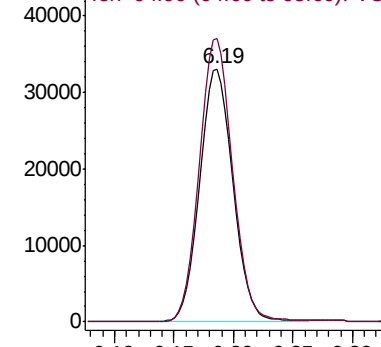
130 100

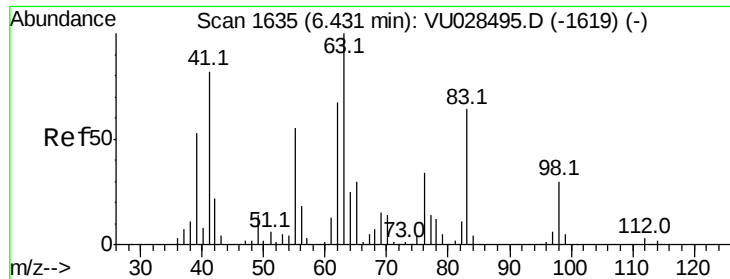
95 112.0 0.0 224.0



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VU0





#45

1,2-Dichloropropane

Concen: 51.607 ug/l

RT: 6.43 min Scan# 1635

Delta R.T. 0.00 min

Lab File: VU028495.D

Acq: 06 Dec 2018 12:33

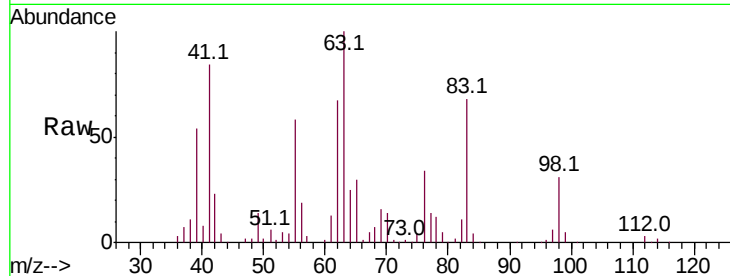
Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 63 Resp: 86110

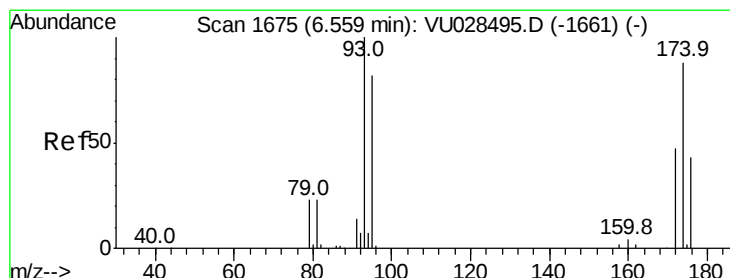
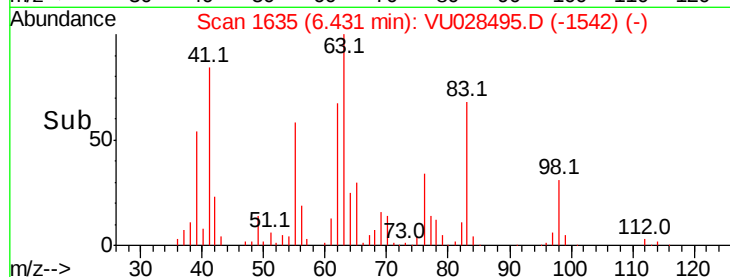
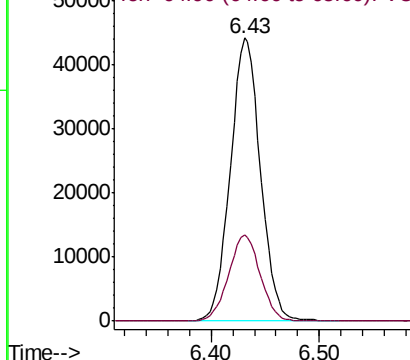
Ion Ratio Lower Upper

63 100

65 30.3 24.2 36.4



Abundance Ion 62.90 (62.60 to 63.60): VU0
Ion 64.90 (64.60 to 65.60): VU0



#46

Dibromomethane

Concen: 50.311 ug/l

RT: 6.56 min Scan# 1675

Delta R.T. 0.00 min

Lab File: VU028495.D

Acq: 06 Dec 2018 12:33

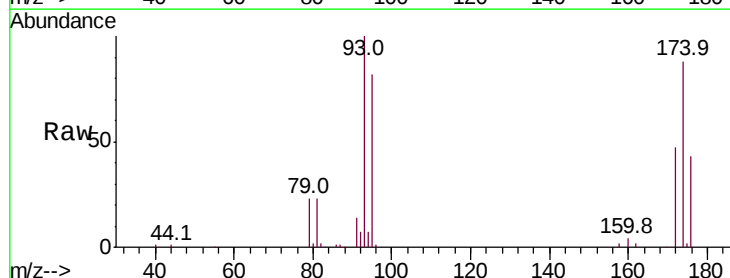
Tgt Ion: 93 Resp: 49809

Ion Ratio Lower Upper

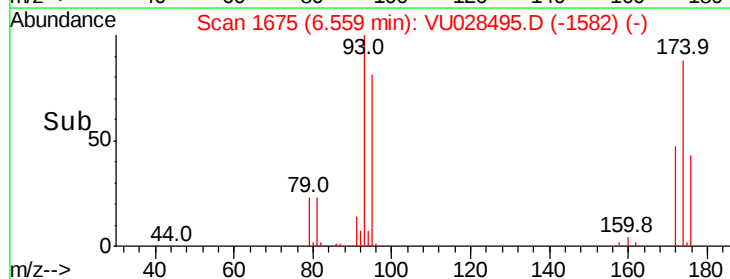
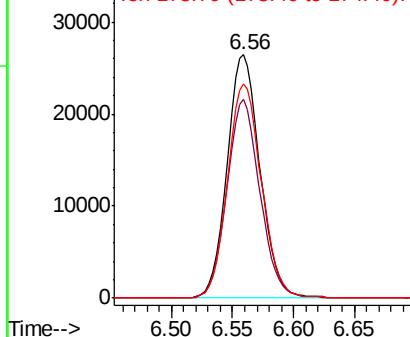
93 100

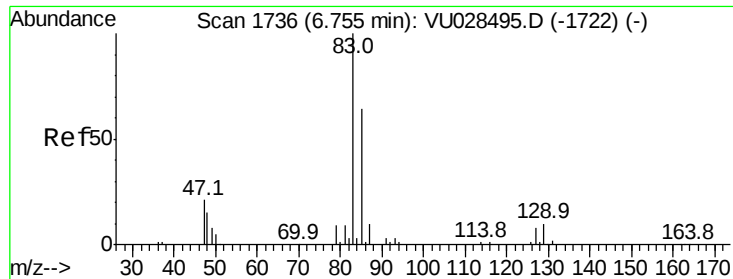
95 81.8 65.4 98.2

174 90.3 72.2 108.4



Abundance Ion 92.80 (92.50 to 93.50): VU0
Ion 94.80 (94.50 to 95.50): VU0
Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 49.686 ug/l

RT: 6.76 min Scan# 1736

Delta R.T. 0.00 min

Lab File: VU028495.D

Acq: 06 Dec 2018 12:33

Instrument :
MSVOA_U
ClientSampleId :

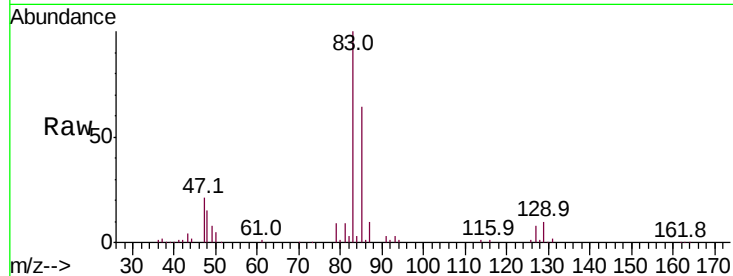
Tot Ion: 83 Resp: 95722

Ion Ratio Lower Upper

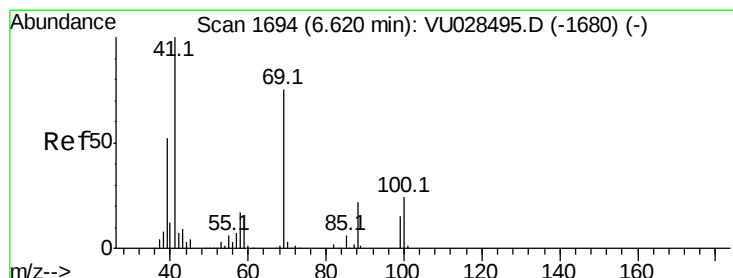
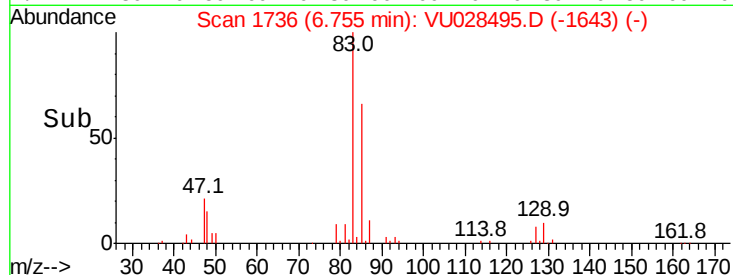
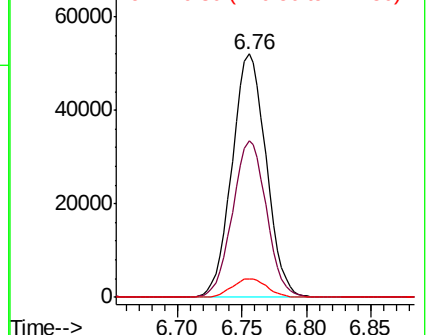
83 100

85 64.4 51.5 77.3

127 7.8 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: 51.938 ug/l

RT: 6.62 min Scan# 1694

Delta R.T. 0.00 min

Lab File: VU028495.D

Acq: 06 Dec 2018 12:33

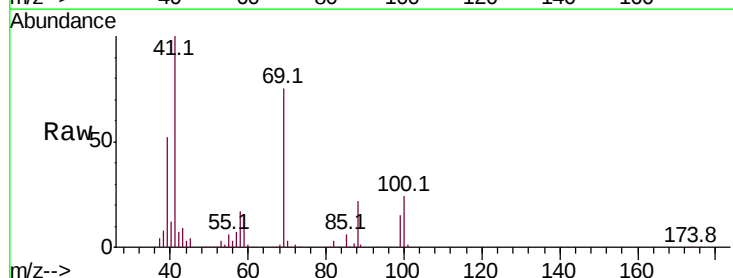
Tgt Ion: 41 Resp: 106398

Ion Ratio Lower Upper

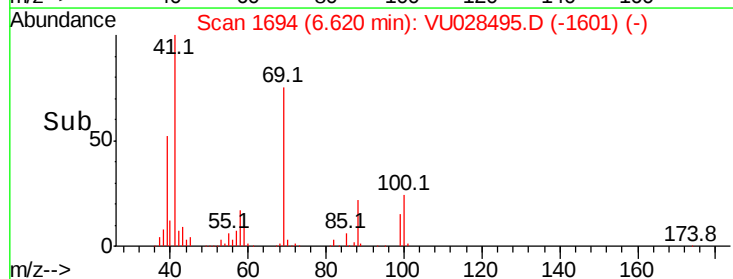
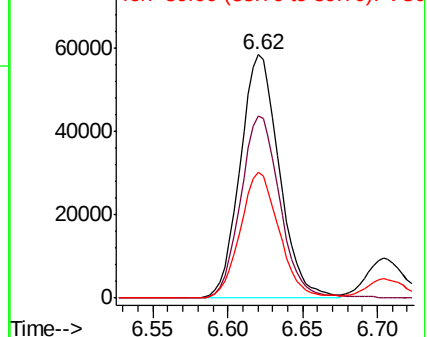
41 100

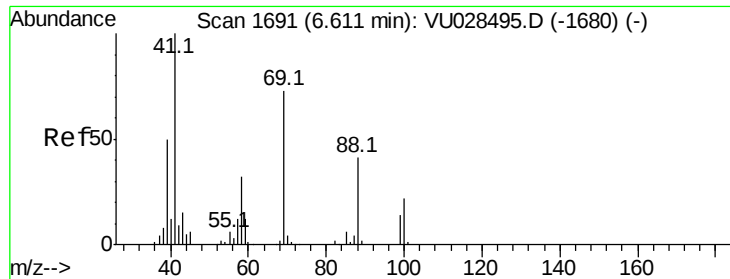
69 75.5 60.4 90.6

39 51.4 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: 1012.088 ug/l

RT: 6.61 min Scan# 1691

Delta R.T. 0.00 min

Lab File: VU028495.D

Acq: 06 Dec 2018 12:33

Instrument :
MSVOA_U
ClientSampled :

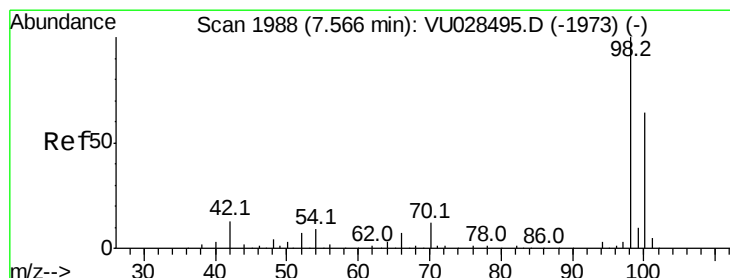
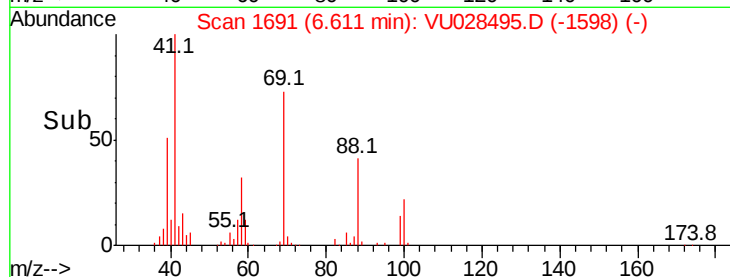
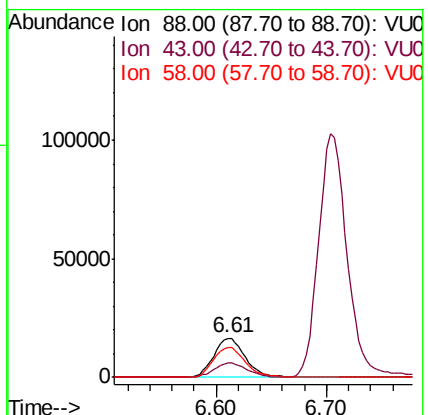
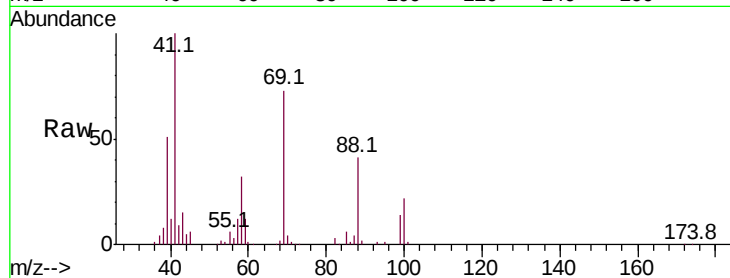
Tot Ion: 88 Resp: 32737

Ion Ratio Lower Upper

88 100

43 38.6 30.9 46.3

58 78.0 62.4 93.6



#50

Toluene-d8

Concen: 49.121 ug/l

RT: 7.57 min Scan# 1988

Delta R.T. 0.00 min

Lab File: VU028495.D

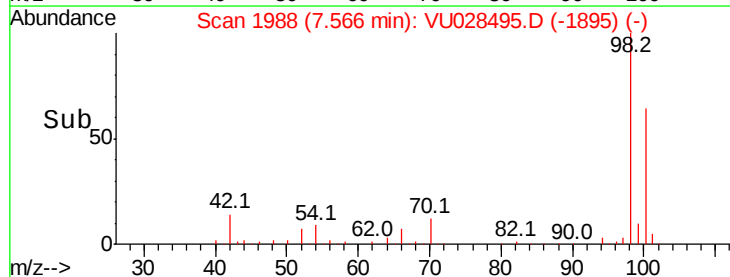
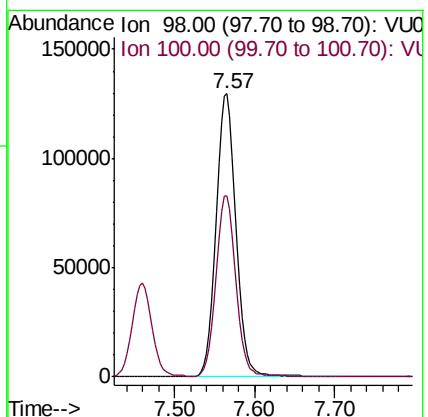
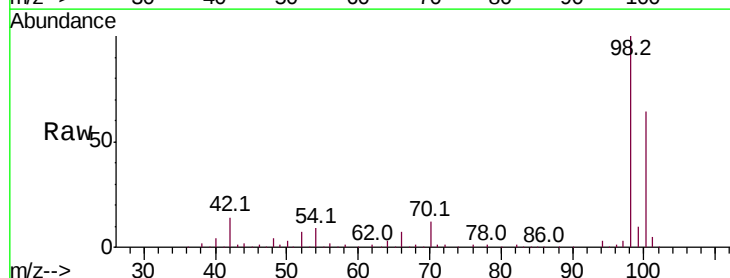
Acq: 06 Dec 2018 12:33

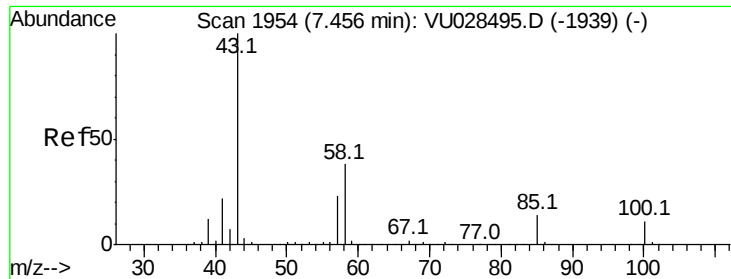
Tgt Ion: 98 Resp: 225134

Ion Ratio Lower Upper

98 100

100 63.8 51.0 76.6





#51

4-Methyl-2-Pentanone

Concen: 253.843 ug/l

RT: 7.46 min Scan# 1954

Delta R.T. 0.00 min

Lab File: VU028495.D

Acq: 06 Dec 2018 12:33

Instrument :

MSVOA_U

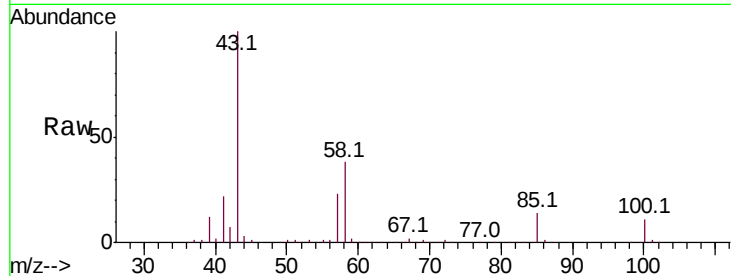
ClientSampleId :

Tot Ion: 43 Resp: 659512

Ion Ratio Lower Upper

43 100

58 37.7 30.2 45.2



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0

7.46

400000

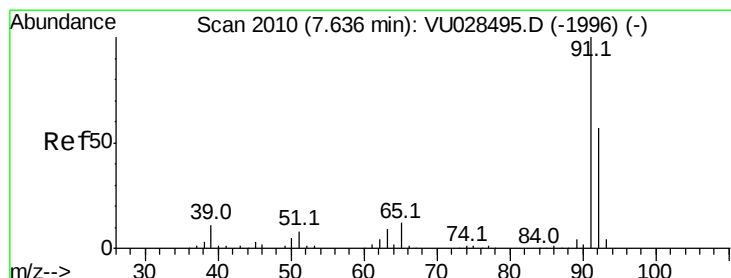
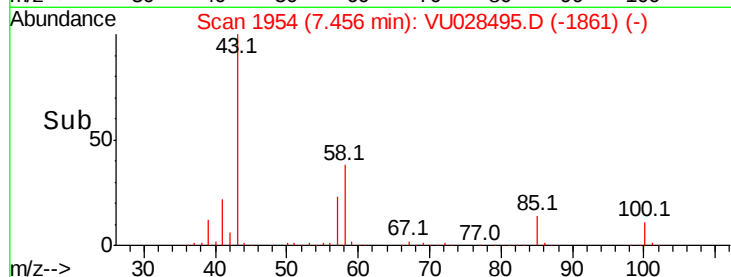
300000

200000

100000

0

Time-->



#52

Toluene

Concen: 50.586 ug/l

RT: 7.64 min Scan# 2010

Delta R.T. 0.00 min

Lab File: VU028495.D

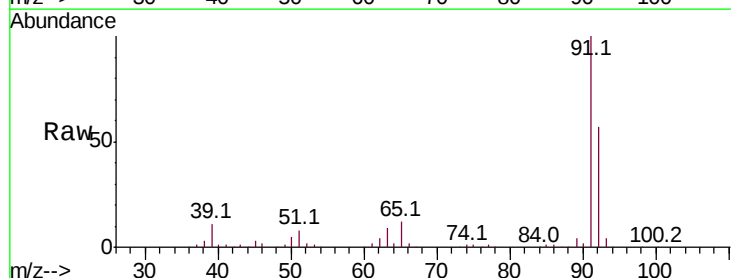
Acq: 06 Dec 2018 12:33

Tgt Ion: 92 Resp: 176652

Ion Ratio Lower Upper

92 100

91 175.3 140.2 210.4



Abundance Ion 92.00 (91.70 to 92.70): VU0

Ion 91.00 (90.70 to 91.70): VU0

200000

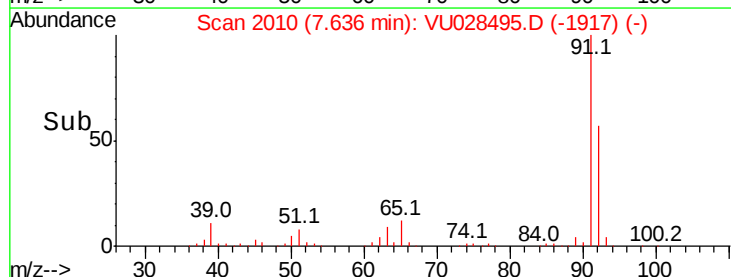
150000

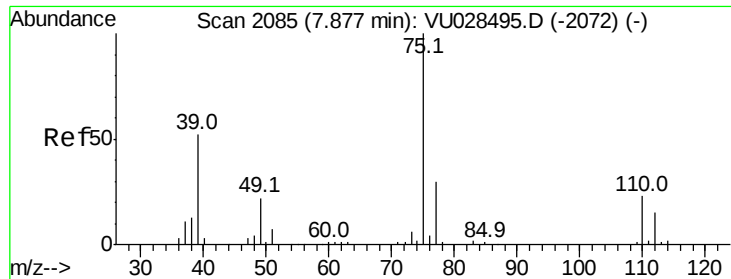
100000

50000

0

Time-->





#53

t-1,3-Dichloropropene

Concen: 50.546 ug/l

RT: 7.88 min Scan# 2085

Delta R.T. 0.00 min

Lab File: VU028495.D

Acq: 06 Dec 2018 12:33

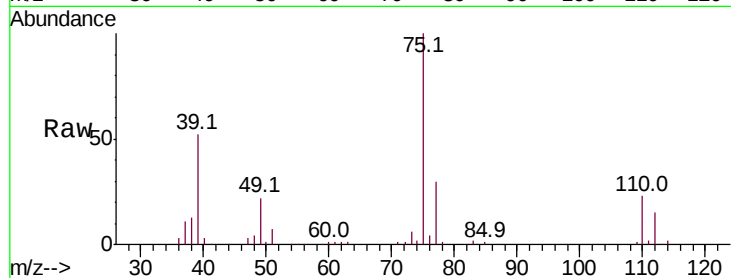
Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 75 Resp: 115975

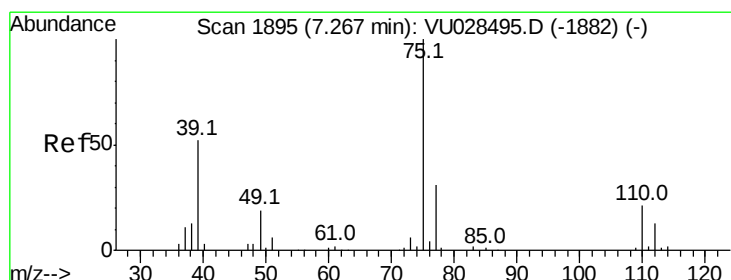
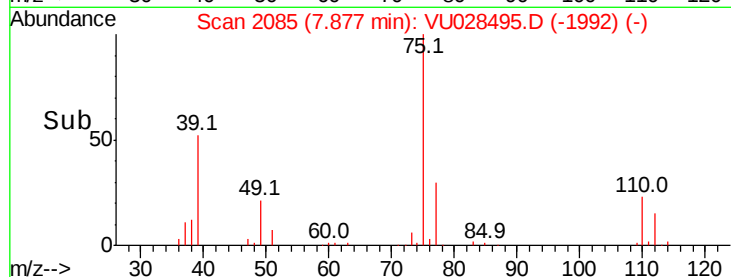
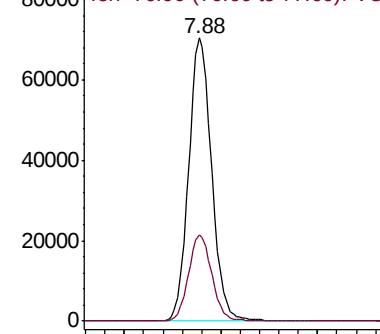
Ion Ratio Lower Upper

75 100

77 30.3 24.2 36.4



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



#54

cis-1,3-Dichloropropene

Concen: 50.434 ug/l

RT: 7.27 min Scan# 1895

Delta R.T. 0.00 min

Lab File: VU028495.D

Acq: 06 Dec 2018 12:33

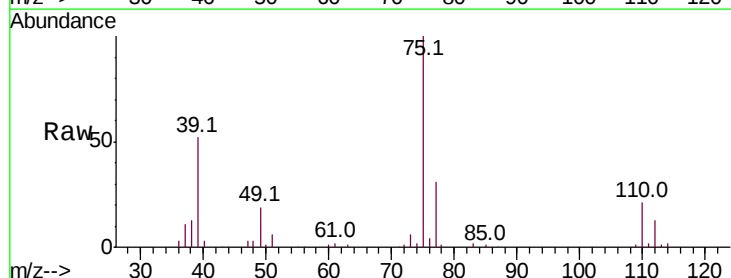
Tgt Ion: 75 Resp: 125546

Ion Ratio Lower Upper

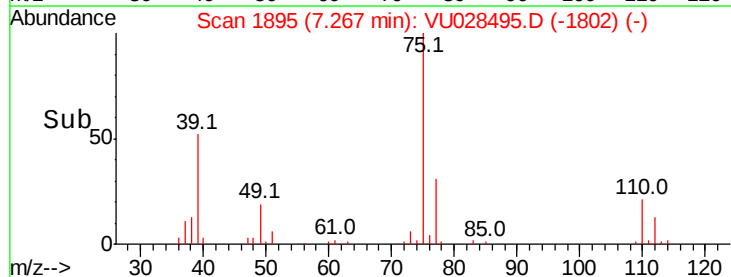
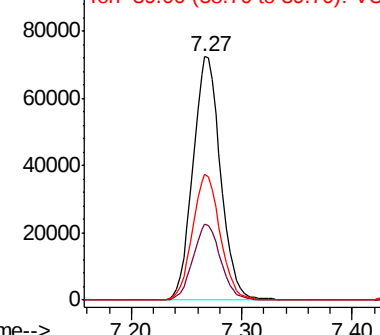
75 100

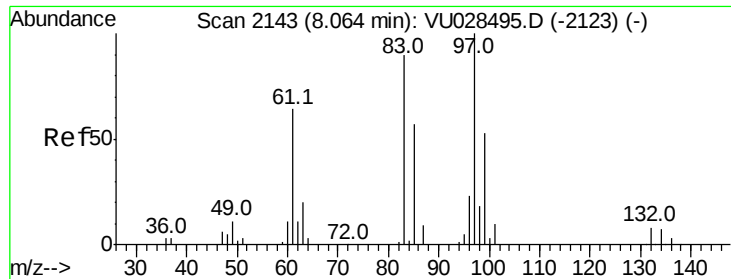
77 31.2 25.0 37.4

39 51.6 41.3 61.9



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



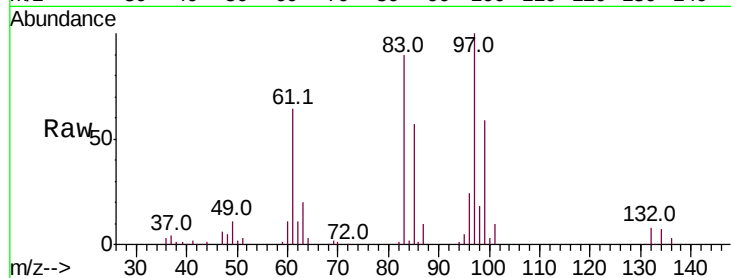


#55
 1,1,2-Trichloroethane
 Concen: 51.554 ug/l
 RT: 8.06 min Scan# 2143
 Delta R.T. 0.00 min
 Lab File: VU028495.D
 Acq: 06 Dec 2018 12:33

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion: 97 Resp: 71164

Ion	Ratio	Lower	Upper
97	100		
83	90.5	72.4	108.6
85	57.5	46.0	69.0
99	59.3	47.4	71.2



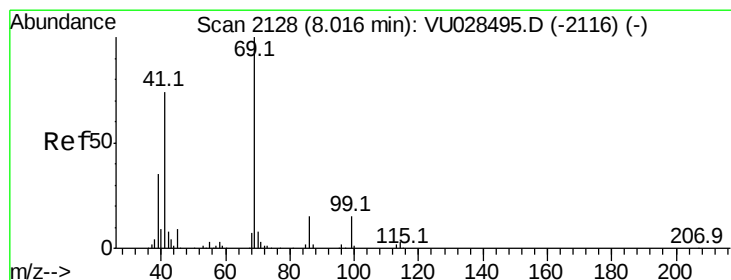
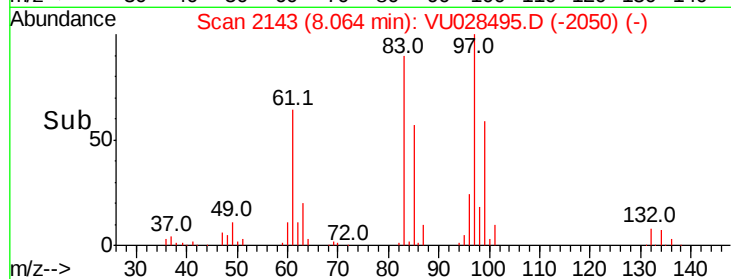
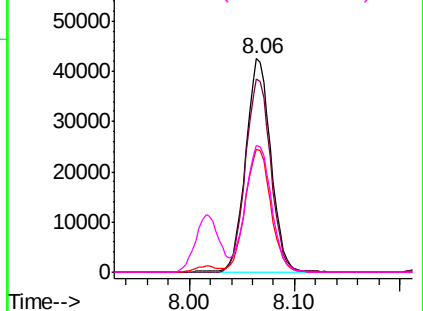
Abundance

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

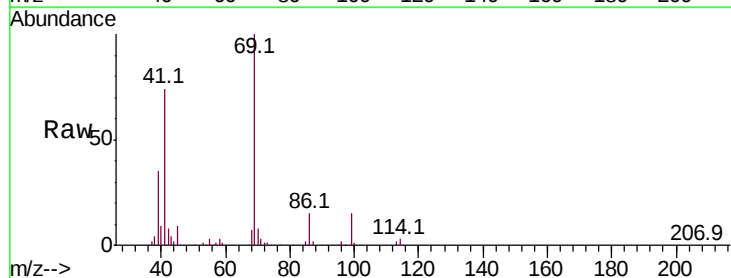
Ion 98.90 (98.60 to 99.60): VU0



#56
 Ethyl methacrylate
 Concen: 51.900 ug/l
 RT: 8.02 min Scan# 2128
 Delta R.T. 0.00 min
 Lab File: VU028495.D
 Acq: 06 Dec 2018 12:33

Tgt Ion: 69 Resp: 122684

Ion	Ratio	Lower	Upper
69	100		
41	73.9	59.1	88.7
39	35.5	28.4	42.6

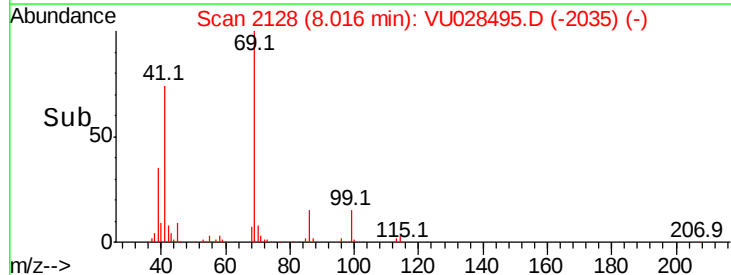
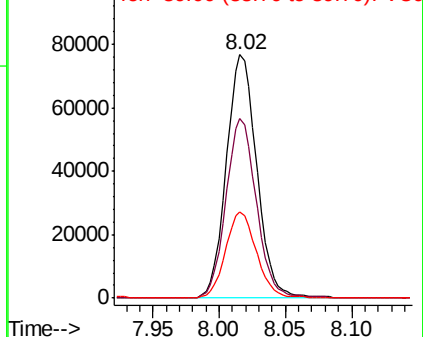


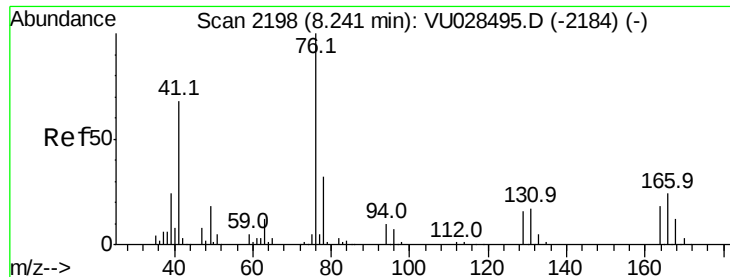
Abundance

Ion 69.00 (68.70 to 69.70): VU0

Ion 41.00 (40.70 to 41.70): VU0

Ion 39.00 (38.70 to 39.70): VU0





#57

1,3-Dichloropropane

Concen: 49.686 ug/l

RT: 8.24 min Scan# 2198

Delta R.T. 0.00 min

Lab File: VU028495.D

Acq: 06 Dec 2018 12:33

Instrument :

MSVOA_U

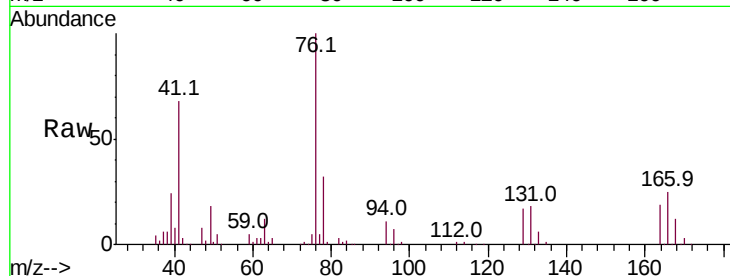
ClientSampleId :

Tot Ion: 76 Resp: 127317

Ion Ratio Lower Upper

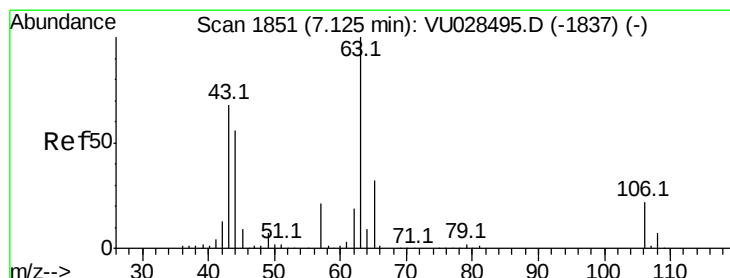
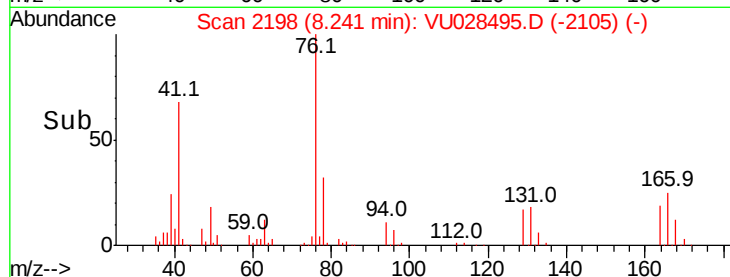
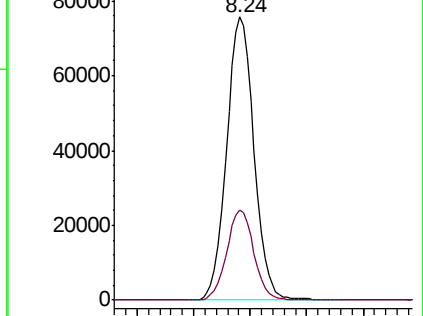
76 100

78 31.5 25.2 37.8



Abundance Ion 75.90 (75.60 to 76.60): VU0

Ion 77.90 (77.60 to 78.60): VU0



#58

2-Chloroethyl Vinyl ether

Concen: 254.171 ug/l

RT: 7.13 min Scan# 1851

Delta R.T. 0.00 min

Lab File: VU028495.D

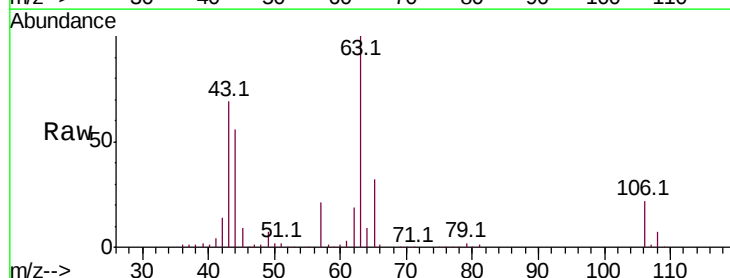
Acq: 06 Dec 2018 12:33

Tgt Ion: 63 Resp: 307743

Ion Ratio Lower Upper

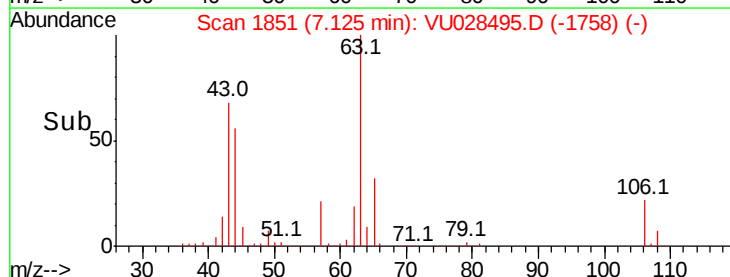
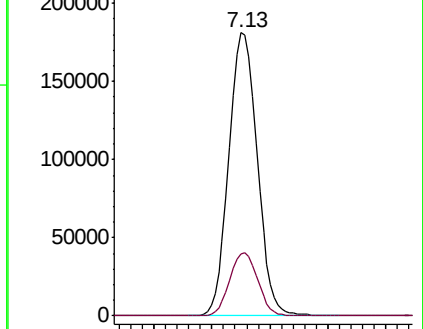
63 100

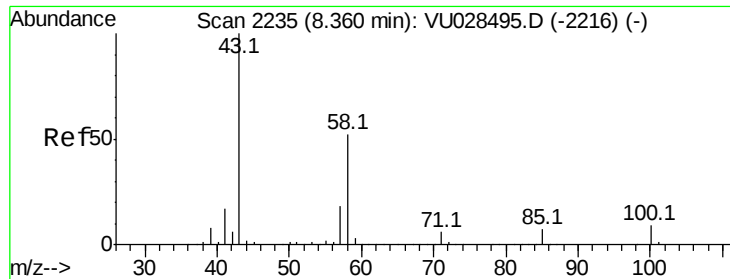
106 22.2 17.8 26.6



Abundance Ion 62.90 (62.60 to 63.60): VU0

Ion 105.90 (105.60 to 106.60): V

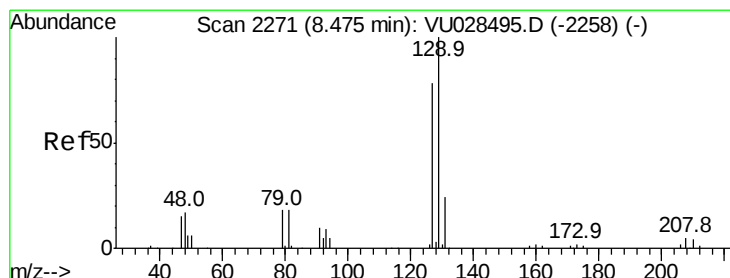
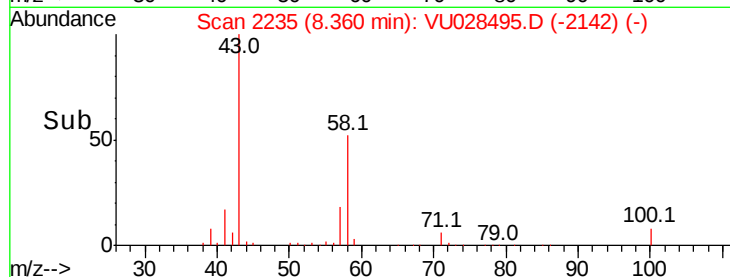
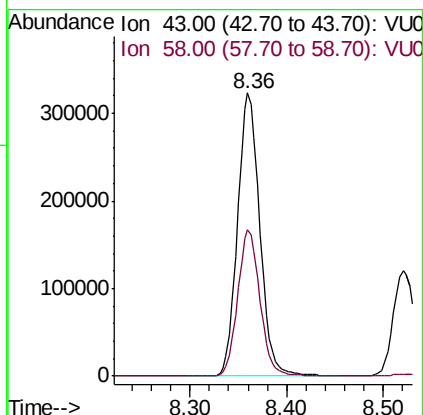
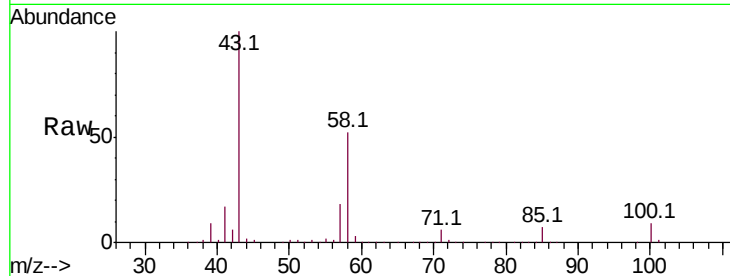




#59
2-Hexanone
Concen: 251.245 ug/l
RT: 8.36 min Scan# 2235
Delta R.T. 0.00 min
Lab File: VU028495.D
Acq: 06 Dec 2018 12:33

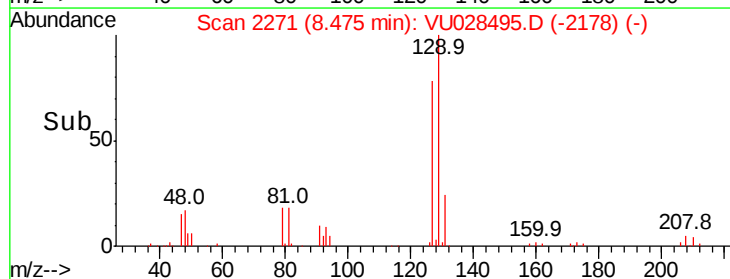
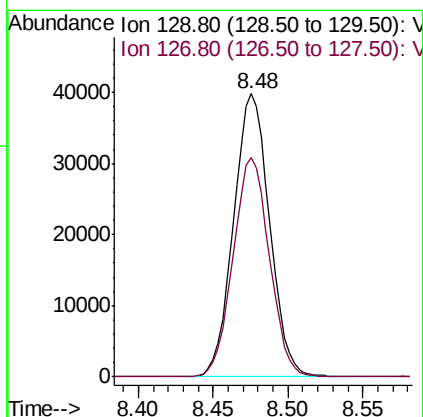
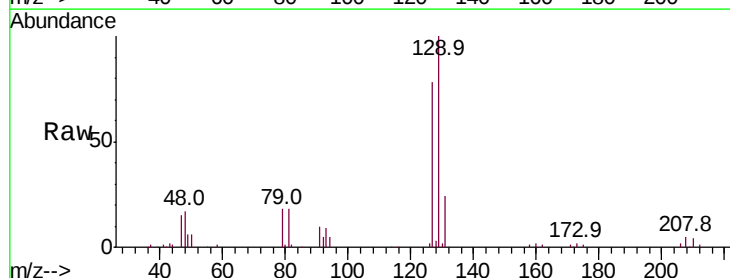
Instrument :
MSVOA_U
ClientSampleId :

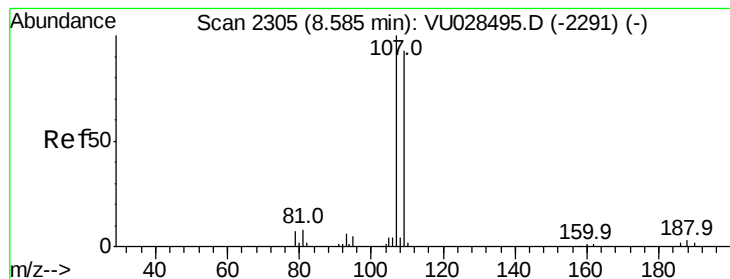
Tot Ion: 43 Resp: 517384
Ion Ratio Lower Upper
43 100
58 51.7 25.9 77.6



#60
Dibromochloromethane
Concen: 49.339 ug/l
RT: 8.48 min Scan# 2271
Delta R.T. 0.00 min
Lab File: VU028495.D
Acq: 06 Dec 2018 12:33

Tgt Ion: 129 Resp: 66681
Ion Ratio Lower Upper
129 100
127 78.2 39.1 117.3





#61

1,2-Dibromoethane

Concen: 51.422 ug/l

RT: 8.58 min Scan# 2305

Delta R.T. 0.00 min

Lab File: VU028495.D

Acq: 06 Dec 2018 12:33

Instrument :

MSVOA_U

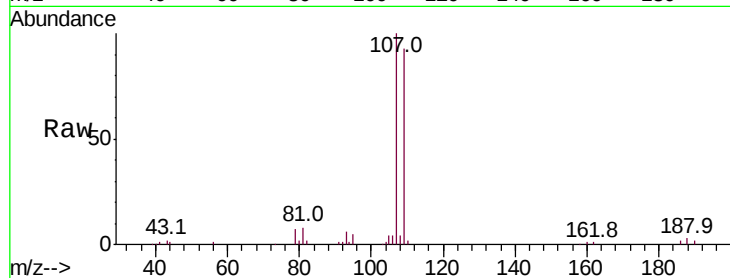
ClientSampleId :

Tot Ion:107 Resp: 74437

Ion Ratio Lower Upper

107 100

109 93.1 74.5 111.7



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

8.58

50000

40000

30000

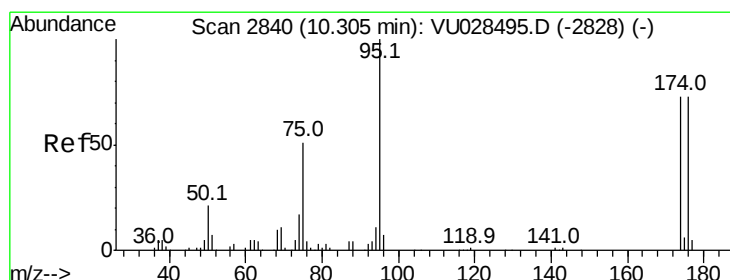
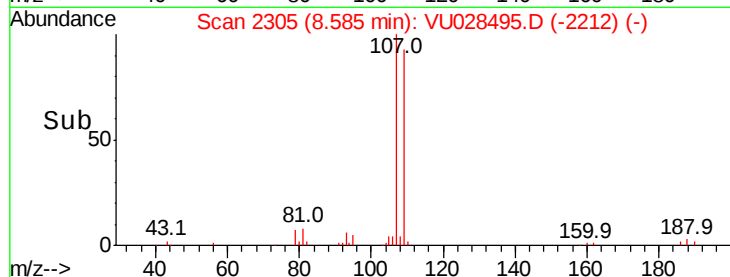
20000

10000

0

8.50 8.55 8.60 8.65 8.70

Time-->



#62

4-Bromofluorobenzene

Concen: 48.250 ug/l

RT: 10.31 min Scan# 2840

Delta R.T. 0.00 min

Lab File: VU028495.D

Acq: 06 Dec 2018 12:33

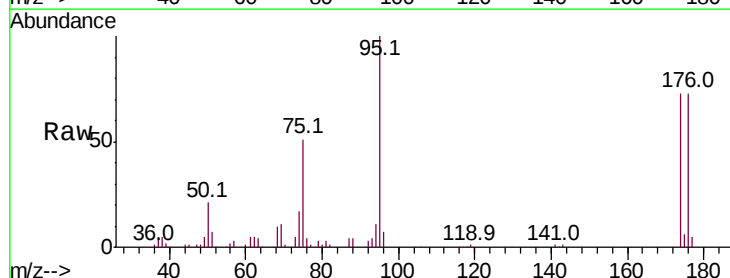
Tgt Ion: 95 Resp: 82655

Ion Ratio Lower Upper

95 100

174 75.2 0.0 150.4

176 72.6 0.0 145.2



Abundance Ion 94.90 (94.60 to 95.60): VU0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

10.31

60000

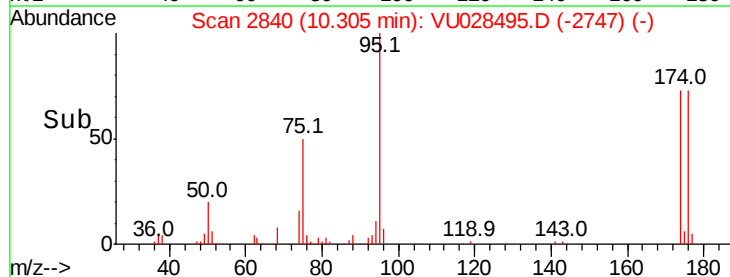
40000

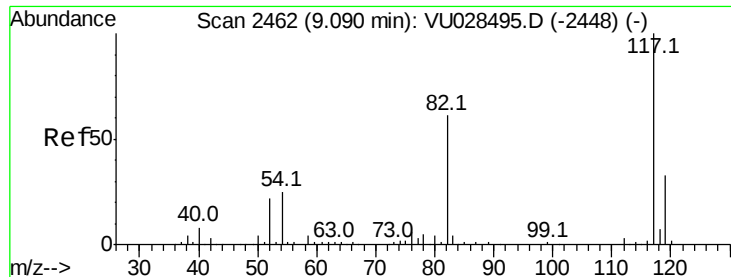
20000

0

10.30 10.40

Time-->

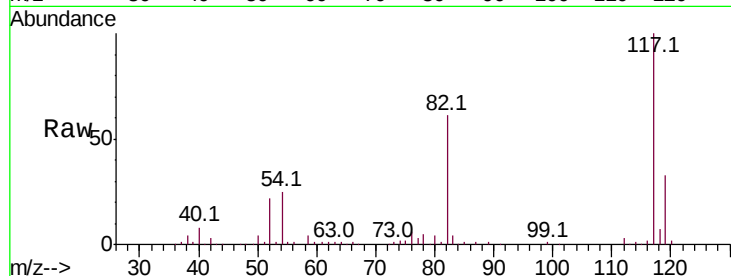




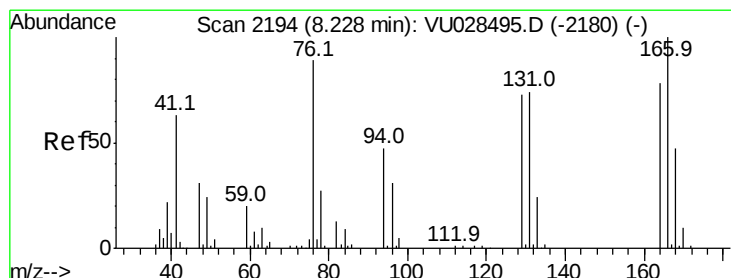
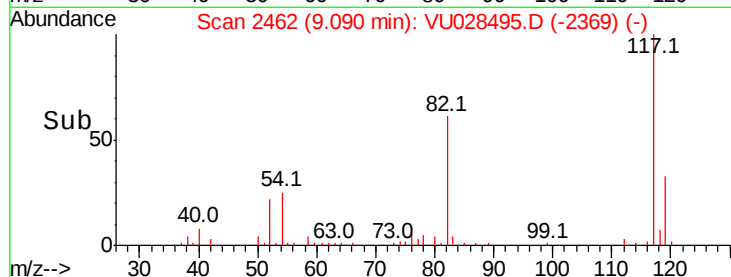
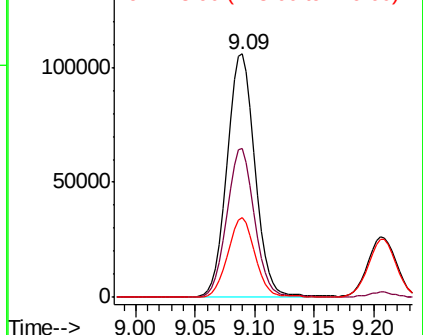
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.09 min Scan# 2462
Delta R.T. 0.00 min
Lab File: VU028495.D
Acq: 06 Dec 2018 12:33

Instrument :
MSVOA_U
ClientSampled :

Tot Ion:117 Resp: 172641
Ion Ratio Lower Upper
117 100
82 61.1 48.9 73.3
119 32.8 26.2 39.4

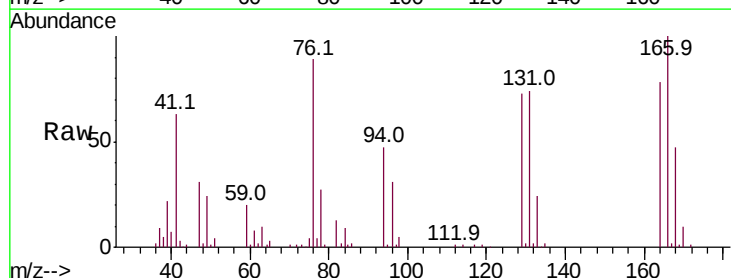


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VU0
Ion 118.90 (118.60 to 119.60): V

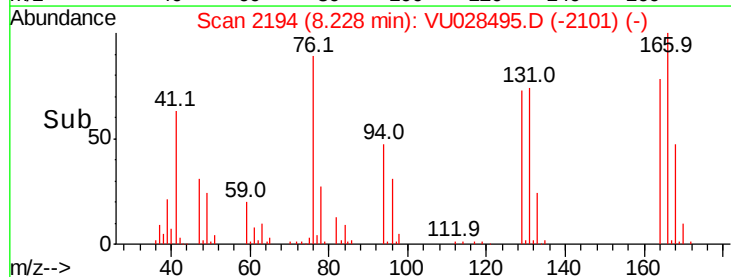
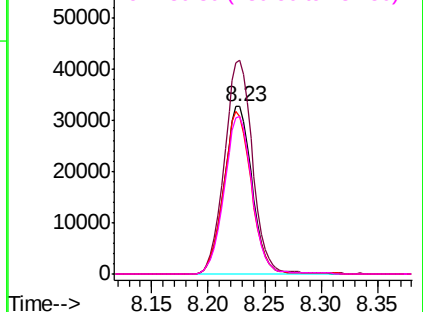


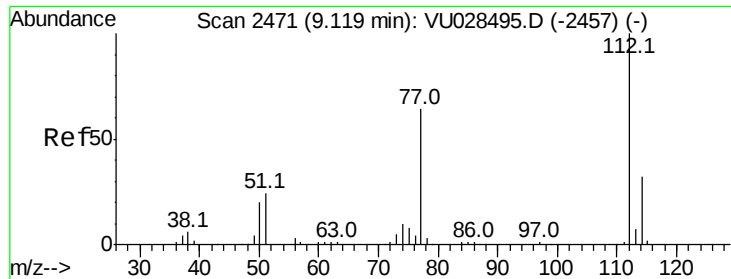
#64
Tetrachloroethene
Concen: 48.673 ug/l
RT: 8.23 min Scan# 2194
Delta R.T. 0.00 min
Lab File: VU028495.D
Acq: 06 Dec 2018 12:33

Tgt Ion:164 Resp: 56050
Ion Ratio Lower Upper
164 100
166 127.4 101.9 152.9
129 93.6 74.9 112.3
131 94.2 75.4 113.0



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

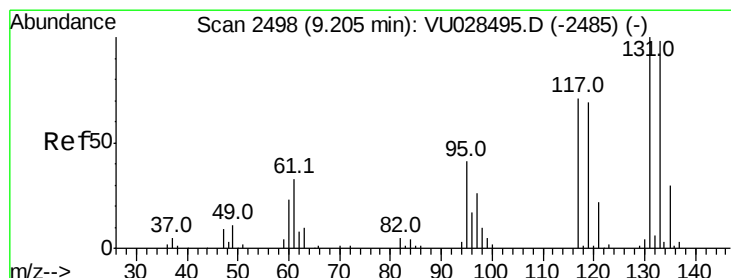
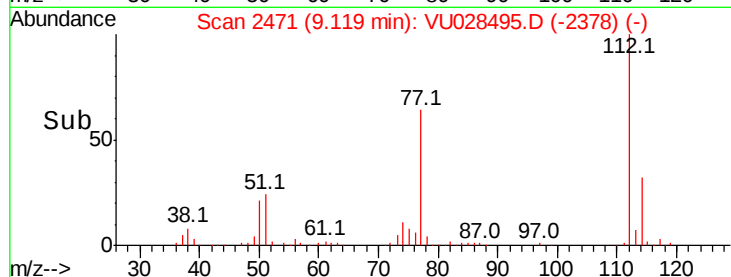
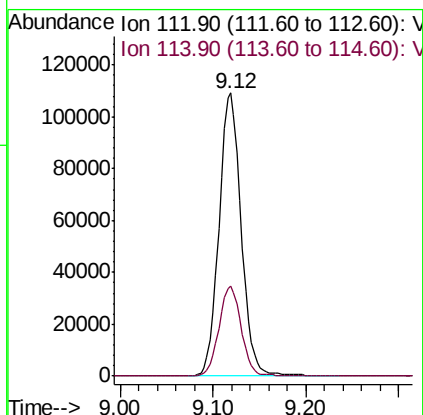
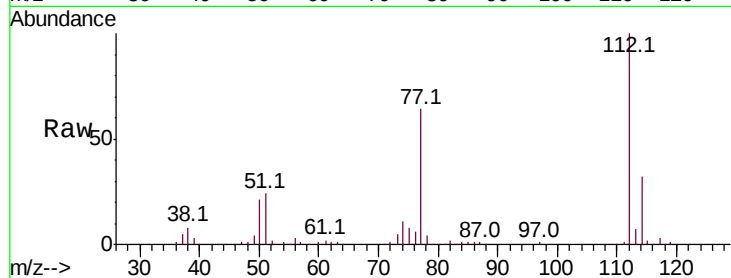




#65
Chlorobenzene
Concen: 49.219 ug/l
RT: 9.12 min Scan# 2471
Delta R.T. 0.00 min
Lab File: VU028495.D
Acq: 06 Dec 2018 12:33

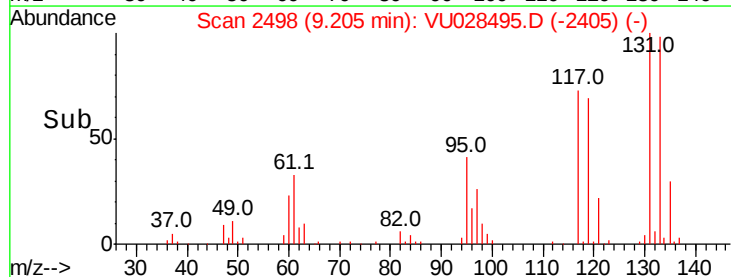
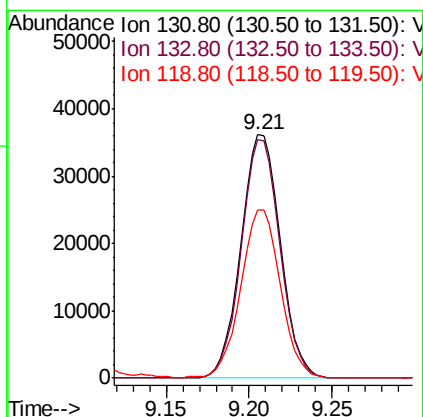
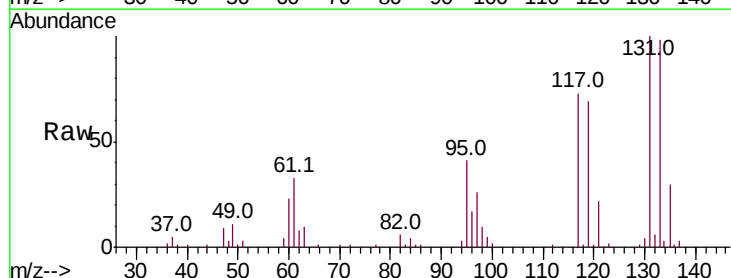
Instrument :
MSVOA_U
ClientSampleId :

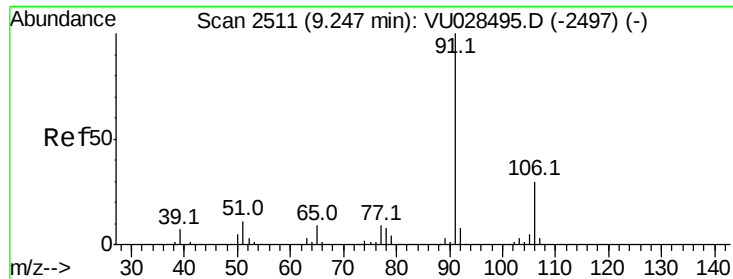
Tot Ion:112 Resp: 181067
Ion Ratio Lower Upper
112 100
114 31.6 25.3 37.9



#66
1,1,1,2-Tetrachloroethane
Concen: 51.152 ug/l
RT: 9.21 min Scan# 2498
Delta R.T. 0.00 min
Lab File: VU028495.D
Acq: 06 Dec 2018 12:33

Tgt Ion:131 Resp: 60091
Ion Ratio Lower Upper
131 100
133 96.0 48.0 144.0
119 69.3 34.6 103.9

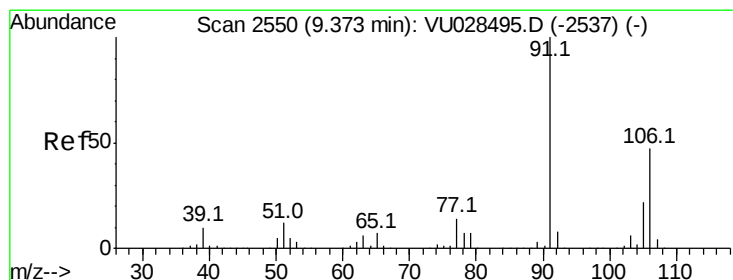
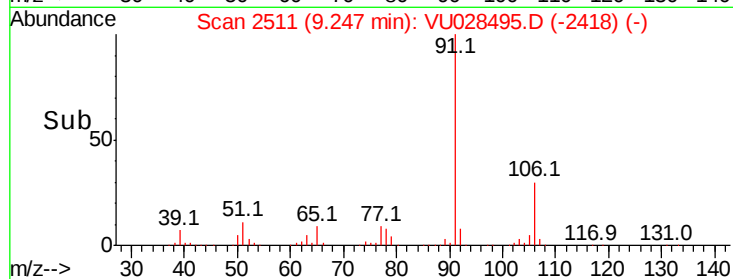
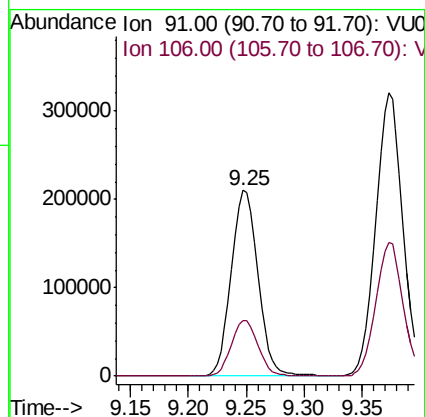
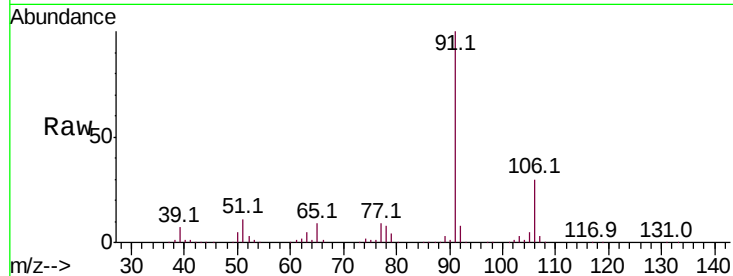




#67
Ethyl Benzene
Concen: 49.724 ug/l
RT: 9.25 min Scan# 2511
Delta R.T. 0.00 min
Lab File: VU028495.D
Acq: 06 Dec 2018 12:33

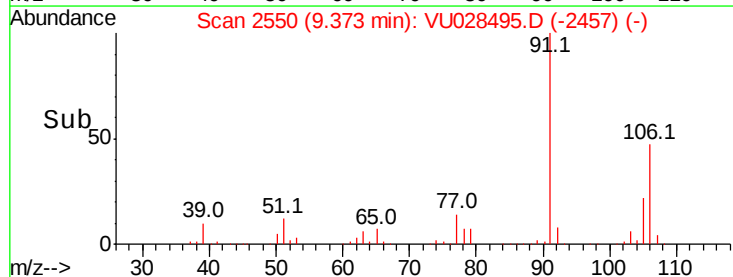
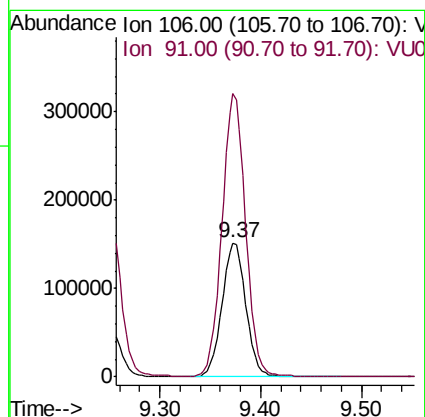
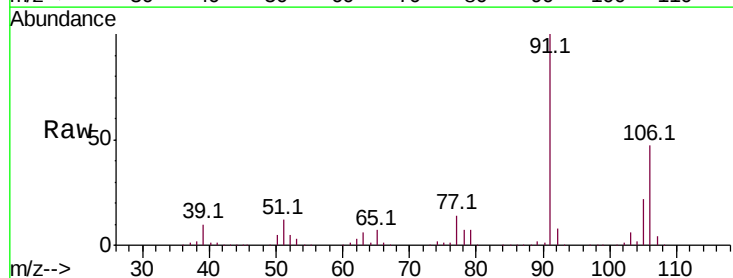
Instrument :
MSVOA_U
ClientSampled :

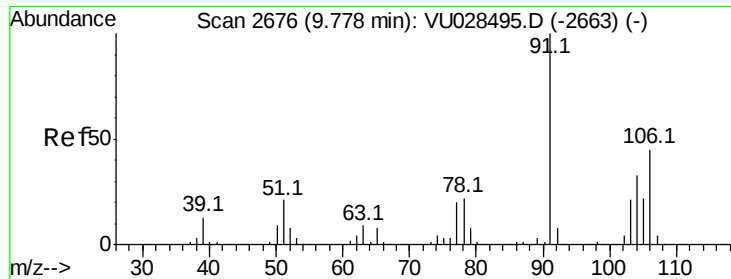
Tot Ion: 91 Resp: 336274
Ion Ratio Lower Upper
91 100
106 30.1 24.1 36.1



#68
m/p-Xylenes
Concen: 101.763 ug/l
RT: 9.37 min Scan# 2550
Delta R.T. 0.00 min
Lab File: VU028495.D
Acq: 06 Dec 2018 12:33

Tgt Ion: 106 Resp: 250420
Ion Ratio Lower Upper
106 100
91 209.2 167.4 251.0

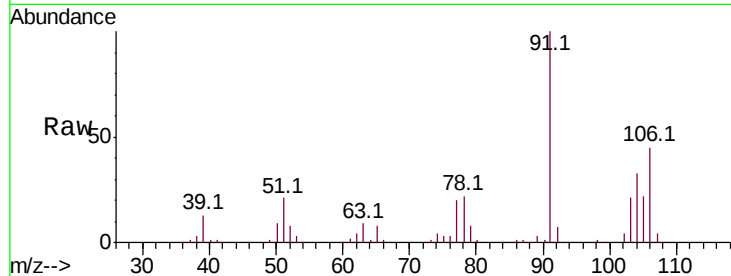




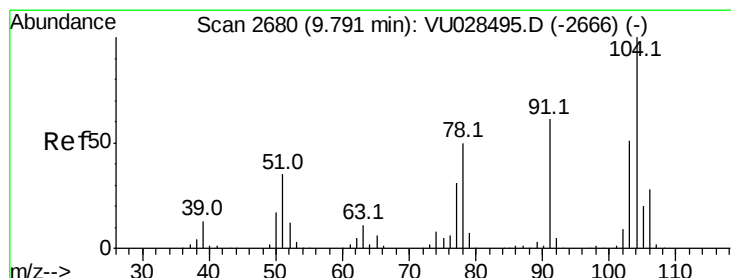
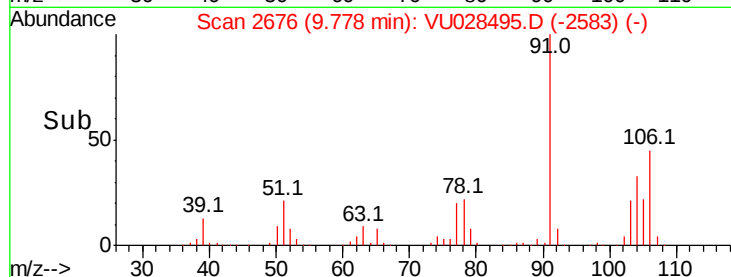
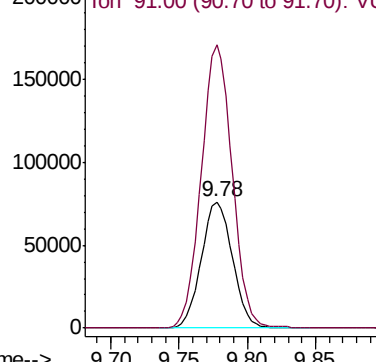
#69
o-Xylene
Concen: 50.501 ug/l
RT: 9.78 min Scan# 2676
Delta R.T. 0.00 min
Lab File: VU028495.D
Acq: 06 Dec 2018 12:33

Instrument :
MSVOA_U
ClientSampled :

Tot Ion:106 Resp: 120770
Ion Ratio Lower Upper
106 100
91 222.7 111.3 334.0

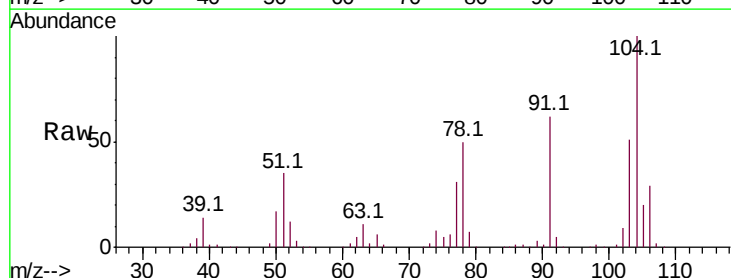


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VU0

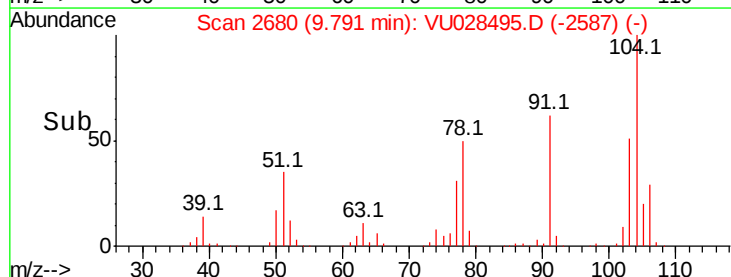
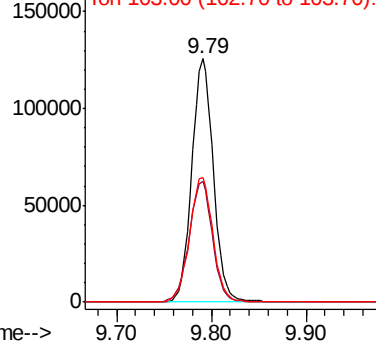


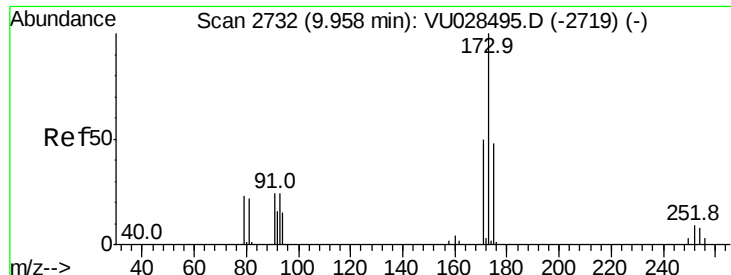
#70
Styrene
Concen: 50.341 ug/l
RT: 9.79 min Scan# 2680
Delta R.T. 0.00 min
Lab File: VU028495.D
Acq: 06 Dec 2018 12:33

Tgt Ion:104 Resp: 199231
Ion Ratio Lower Upper
104 100
78 53.8 43.0 64.6
103 55.3 44.2 66.4



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





#71

Bromoform

Concen: 51.355 ug/l

RT: 9.96 min Scan# 2732

Delta R.T. 0.00 min

Lab File: VU028495.D

Acq: 06 Dec 2018 12:33

Instrument :
MSVOA_U
ClientSampleId :

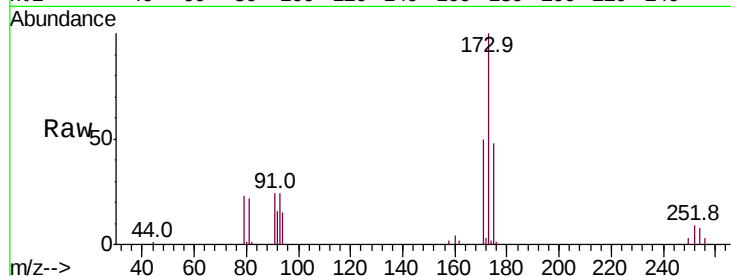
Tot Ion:173 Resp: 51322

Ion Ratio Lower Upper

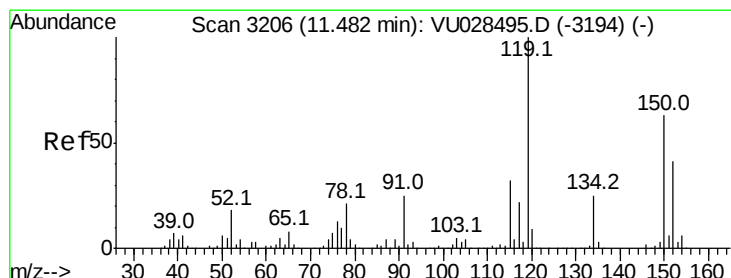
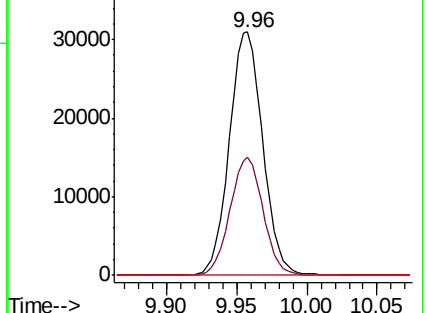
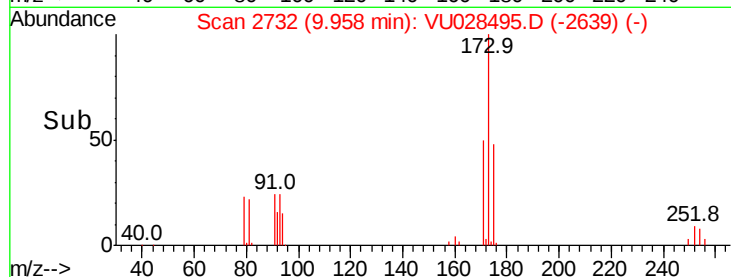
173 100

175 47.9 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: VU028495.D

Acq: 06 Dec 2018 12:33

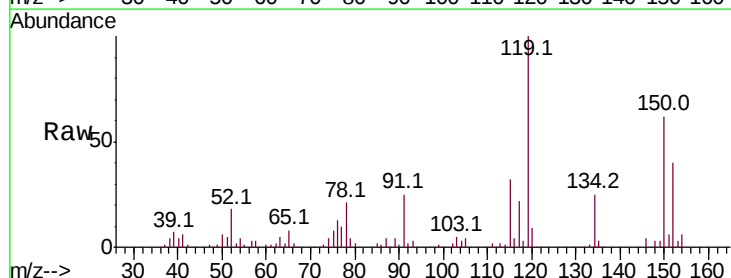
Tgt Ion:152 Resp: 84864

Ion Ratio Lower Upper

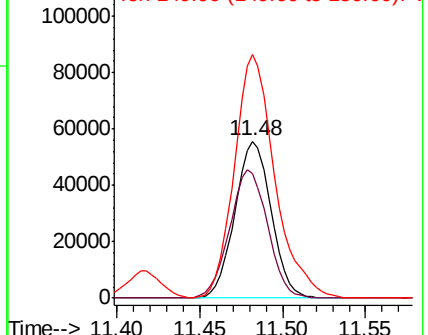
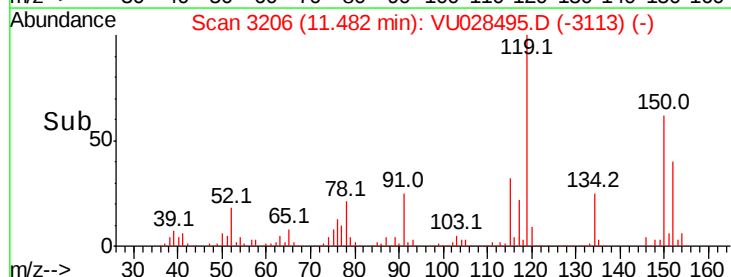
152 100

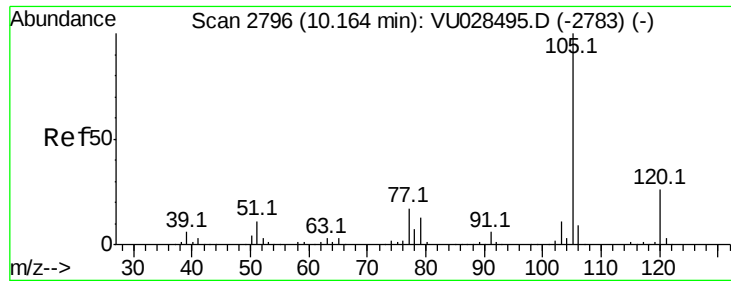
115 85.4 42.7 128.1

150 173.0 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: 48.921 ug/l

RT: 10.16 min Scan# 2796

Delta R.T. 0.00 min

Lab File: VU028495.D

Acq: 06 Dec 2018 12:33

Instrument :

MSVOA_U

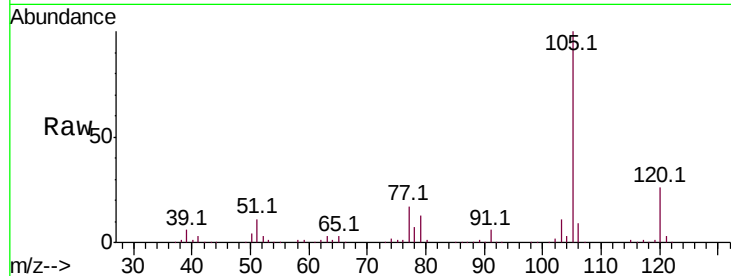
ClientSampleId :

Tot Ion:105 Resp: 318569

Ion Ratio Lower Upper

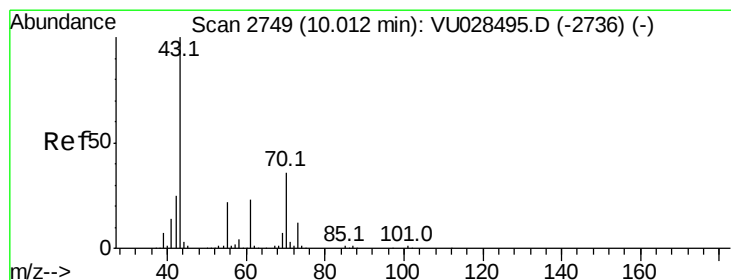
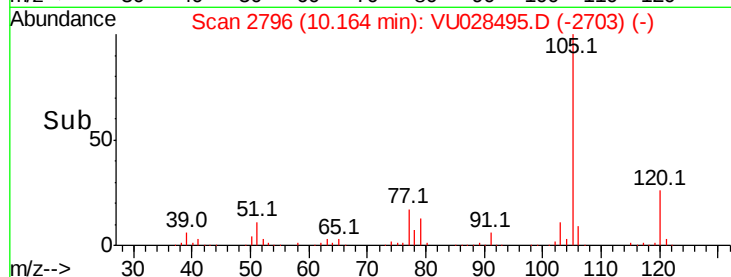
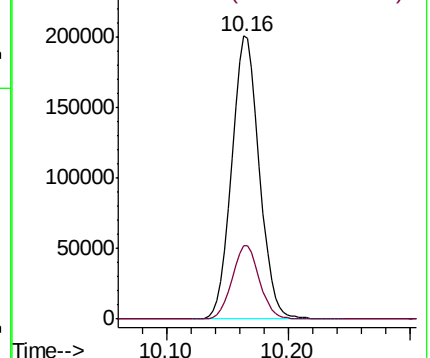
105 100

120 25.7 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-ethyl acetate

Concen: 49.609 ug/l

RT: 10.01 min Scan# 2749

Delta R.T. 0.00 min

Lab File: VU028495.D

Acq: 06 Dec 2018 12:33

Tgt Ion: 43 Resp: 186346

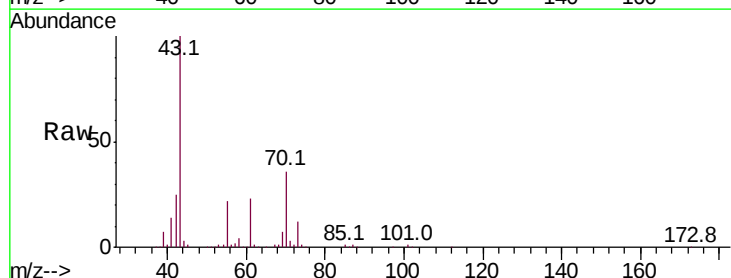
Ion Ratio Lower Upper

43 100

70 36.6 29.3 43.9

55 22.5 18.0 27.0

61 22.9 18.3 27.5

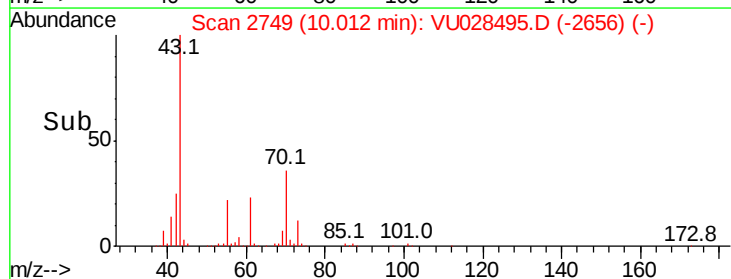
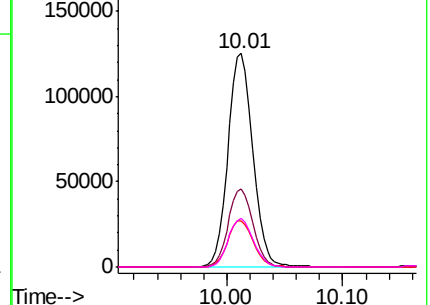


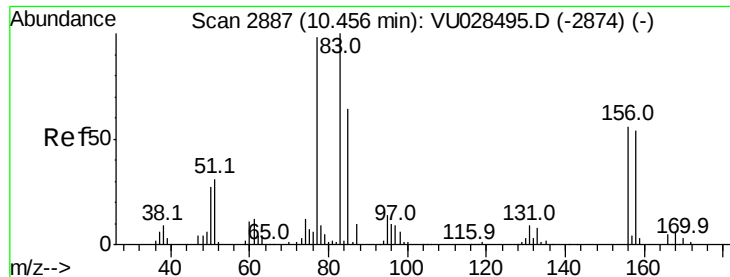
Abundance Ion 43.00 (42.70 to 43.70): VU0

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: 49.934 ug/l

RT: 10.46 min Scan# 2887

Delta R.T. 0.00 min

Lab File: VU028495.D

Acq: 06 Dec 2018 12:33

Instrument :

MSVOA_U

ClientSampled :

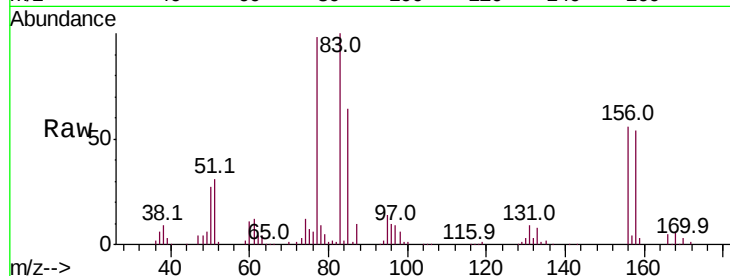
Tot Ion: 83 Resp: 124910

Ion Ratio Lower Upper

83 100

131 8.3 4.2 12.4

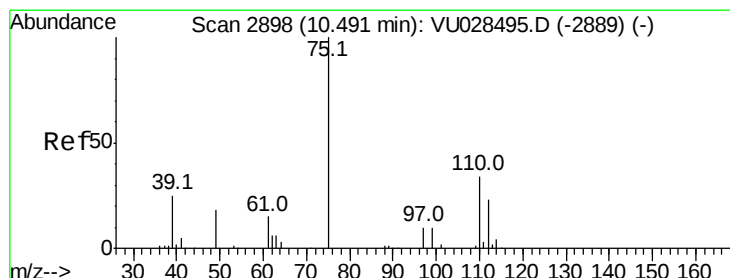
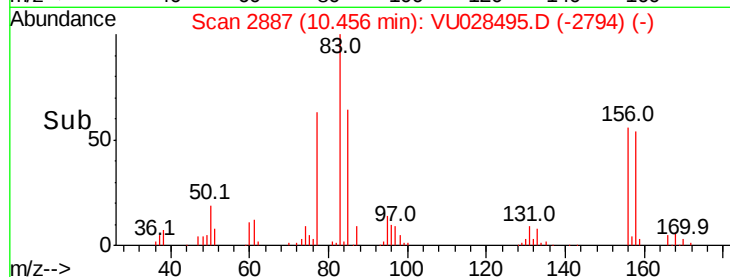
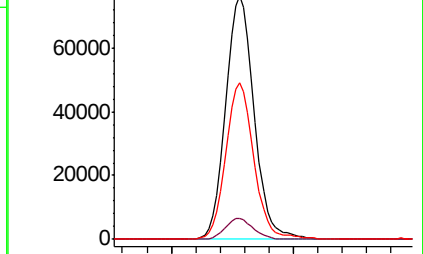
85 63.6 31.8 95.4



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

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

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



#76

1,2,3-Trichloropropane

Concen: 61.469 ug/l

RT: 10.49 min Scan# 2898

Delta R.T. 0.00 min

Lab File: VU028495.D

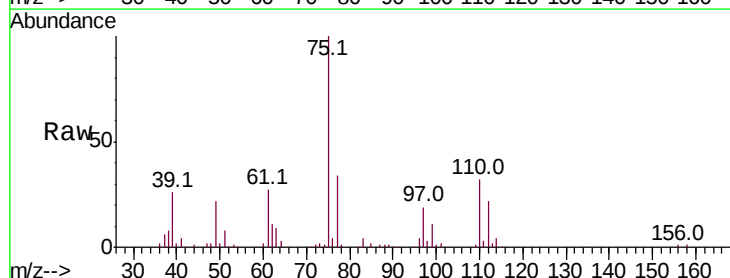
Acq: 06 Dec 2018 12:33

Tgt Ion: 75 Resp: 150494

Ion Ratio Lower Upper

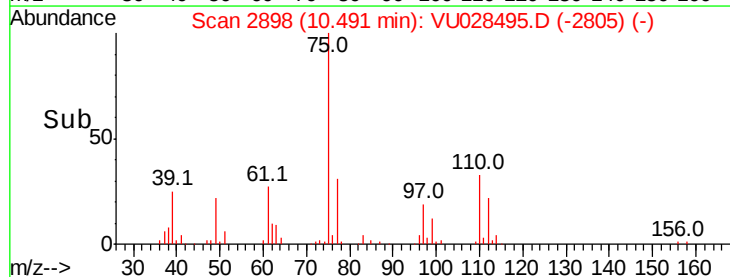
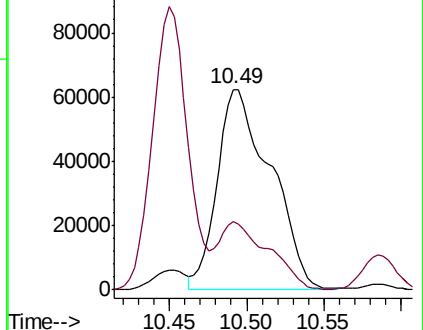
75 100

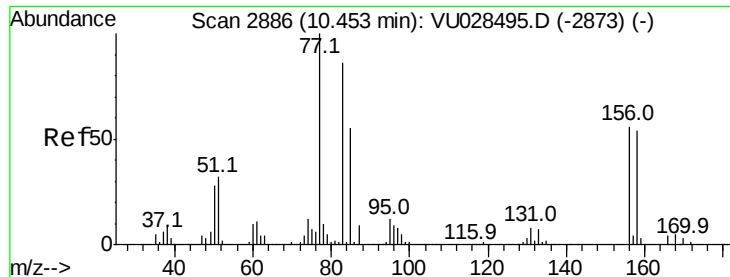
77 30.4 20.8 62.4



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

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





#77

Bromobenzene

Concen: 49.533 ug/l

RT: 10.45 min Scan# 2886

Delta R.T. 0.00 min

Lab File: VU028495.D

Acq: 06 Dec 2018 12:33

Instrument :

MSVOA_U

ClientSampled :

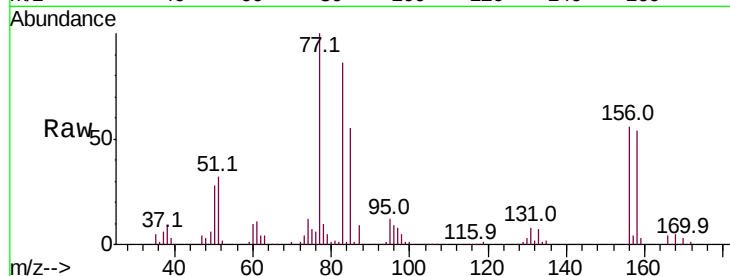
Tot Ion:156 Resp: 75438

Ion Ratio Lower Upper

156 100

77 184.8 92.4 277.2

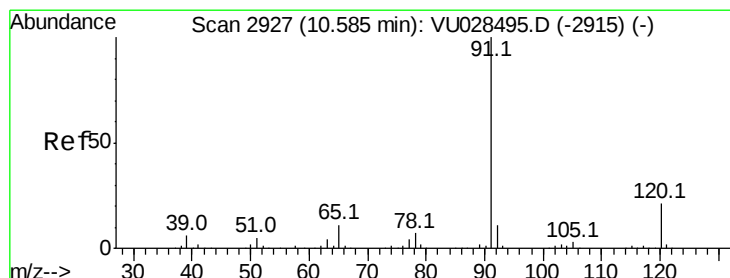
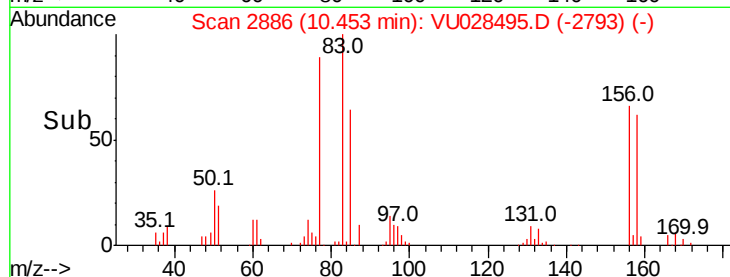
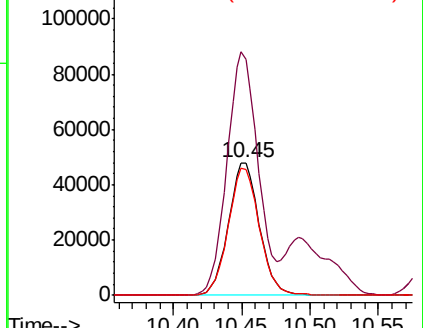
158 96.9 48.4 145.3



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.30): VU0

Ion 157.80 (157.50 to 158.10): V



#78

n-propylbenzene

Concen: 49.366 ug/l

RT: 10.58 min Scan# 2927

Delta R.T. 0.00 min

Lab File: VU028495.D

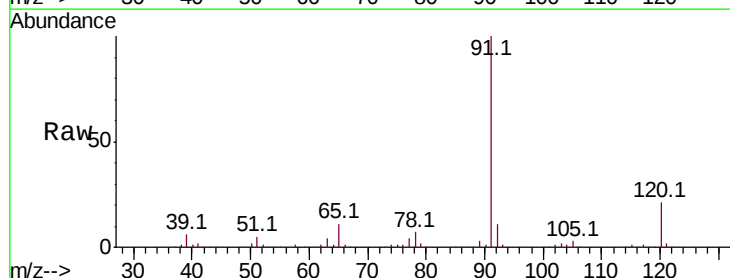
Acq: 06 Dec 2018 12:33

Tgt Ion: 91 Resp: 399454

Ion Ratio Lower Upper

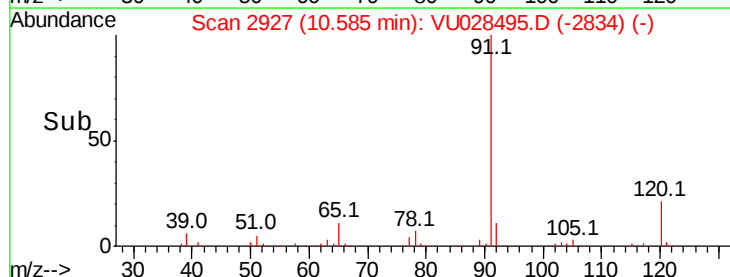
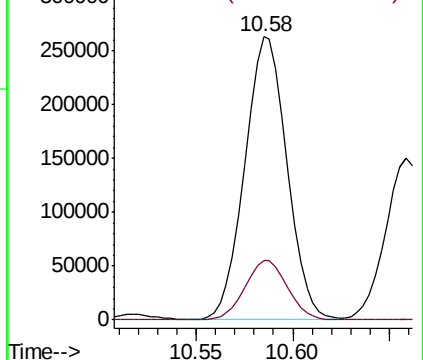
91 100

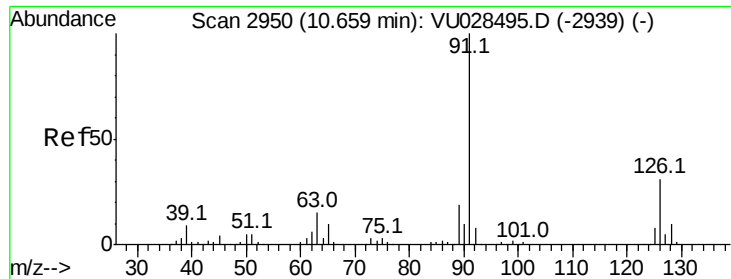
120 21.2 10.6 31.8



Abundance Ion 91.00 (90.70 to 91.30): VU0

Ion 120.00 (119.70 to 120.30): V

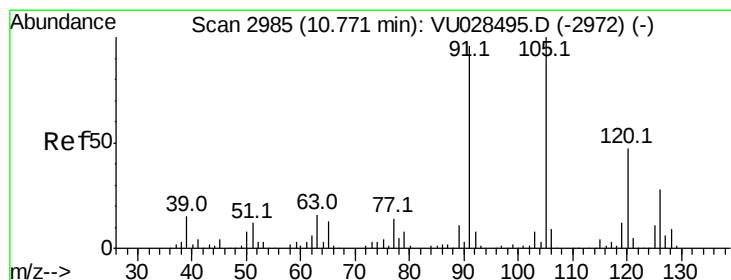
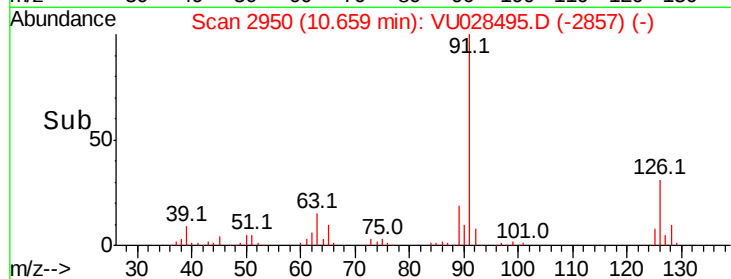
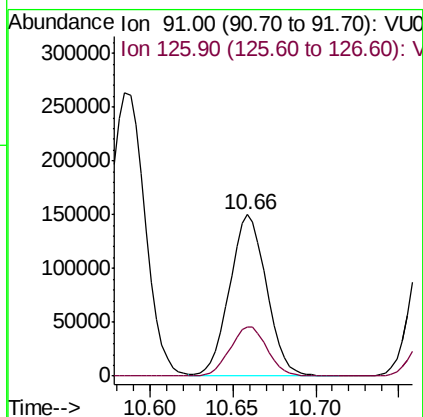
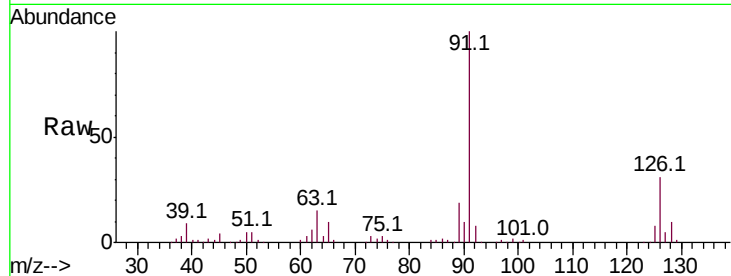




#79
 2-Chlorotoluene
 Concen: 49.544 ug/l
 RT: 10.66 min Scan# 2950
 Delta R.T. 0.00 min
 Lab File: VU028495.D
 Acq: 06 Dec 2018 12:33

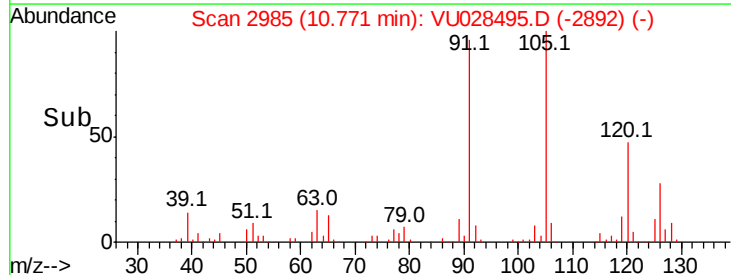
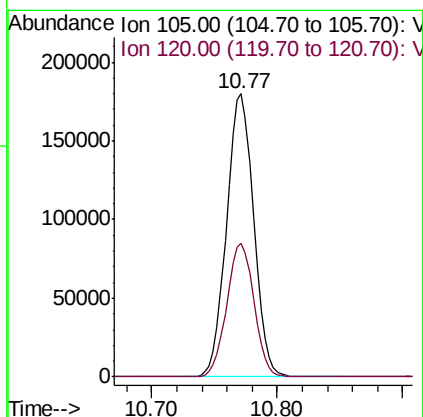
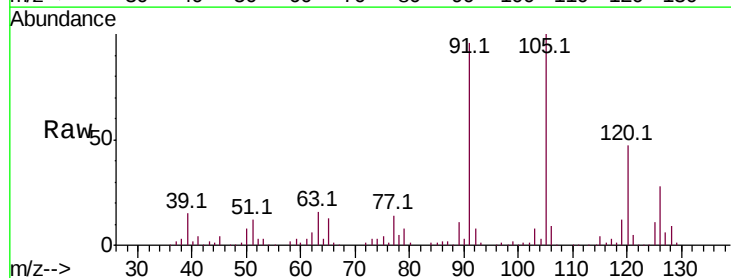
Instrument :
 MSVOA_U
 ClientSampleId :

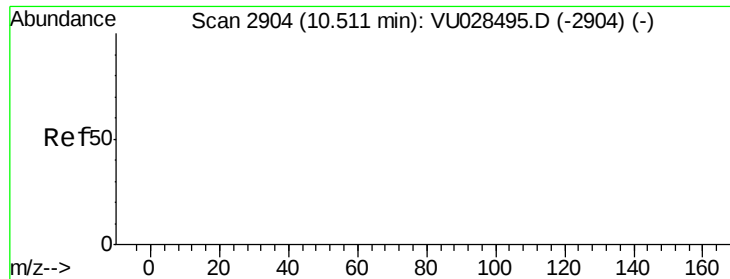
Tot Ion: 91 Resp: 230923
 Ion Ratio Lower Upper
 91 100
 126 31.2 15.6 46.8



#80
 1,3,5-Trimethylbenzene
 Concen: 50.008 ug/l
 RT: 10.77 min Scan# 2985
 Delta R.T. 0.00 min
 Lab File: VU028495.D
 Acq: 06 Dec 2018 12:33

Tgt Ion:105 Resp: 269564
 Ion Ratio Lower Upper
 105 100
 120 47.4 23.7 71.1





#81

trans-1,4-Dichloro-2-butene

Concen: 124.291 ug/l

RT: 10.49 min Scan# 2898

Delta R.T. -0.02 min

Lab File: VU028495.D

Acq: 06 Dec 2018 12:33

Instrument :

MSVOA_U

ClientSampled :

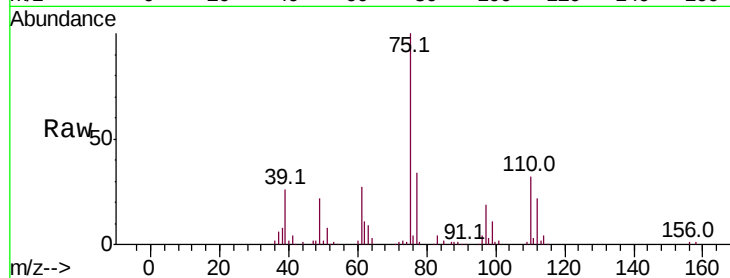
Tot Ion: 75 Resp: 150494

Ion Ratio Lower Upper

75 100

53 0.0 0.0 0.0

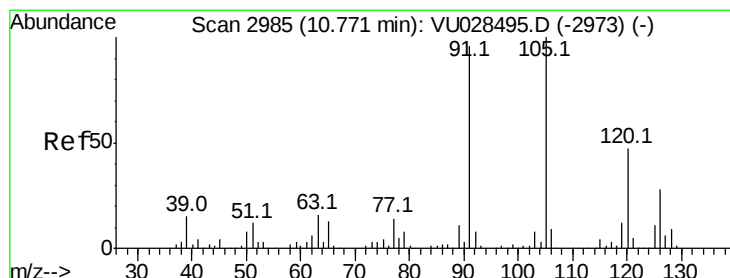
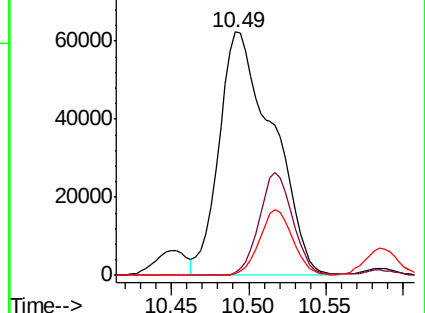
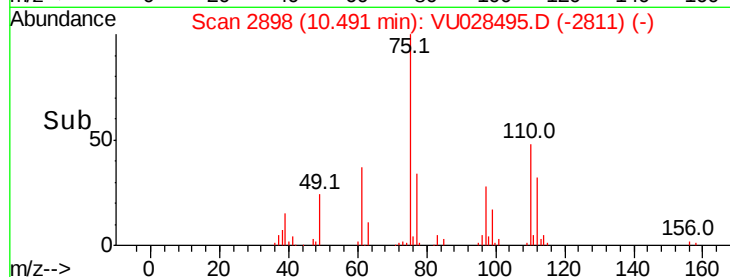
89 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 53.00 (52.70 to 53.70): VU0

Ion 88.90 (88.60 to 89.60): VU0



#82

4-Chlorotoluene

Concen: 48.550 ug/l

RT: 10.77 min Scan# 2985

Delta R.T. 0.00 min

Lab File: VU028495.D

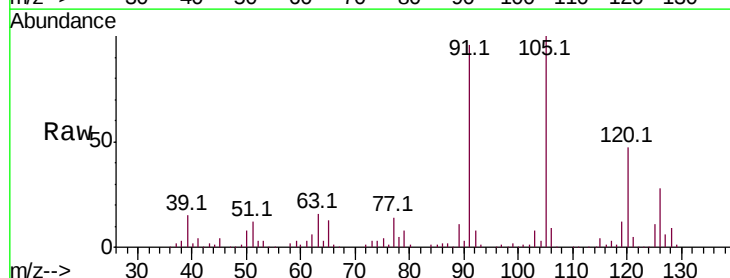
Acq: 06 Dec 2018 12:33

Tgt Ion: 91 Resp: 268158

Ion Ratio Lower Upper

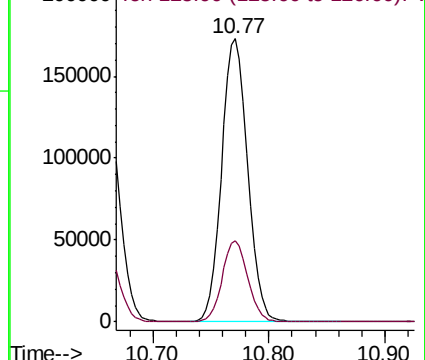
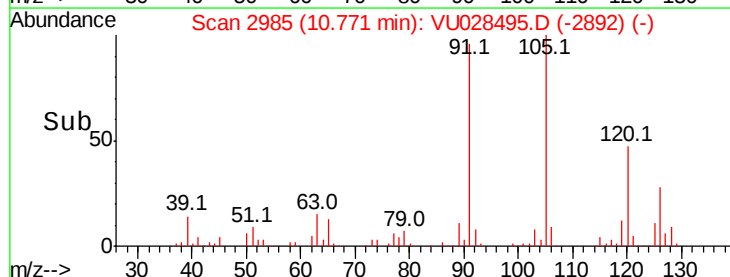
91 100

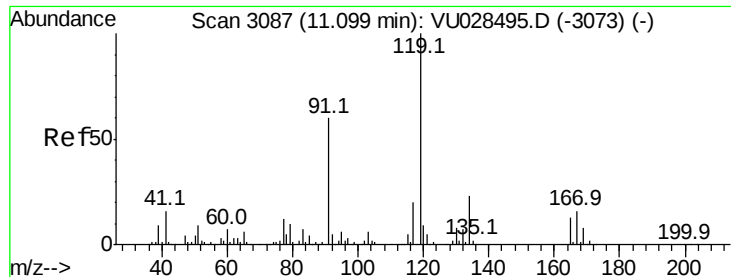
126 28.2 14.1 42.3



Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 125.90 (125.60 to 126.60): V

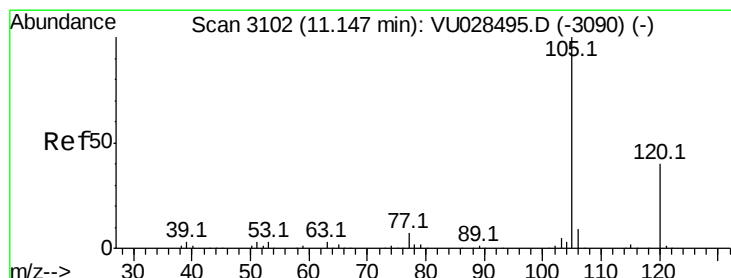
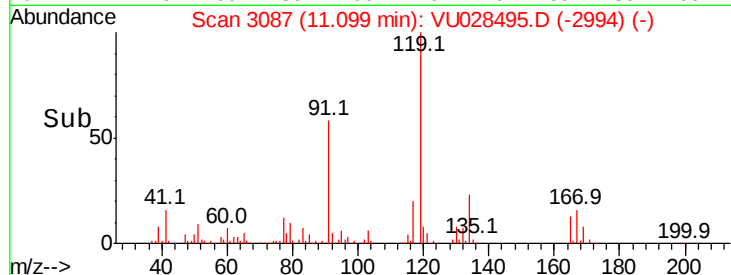
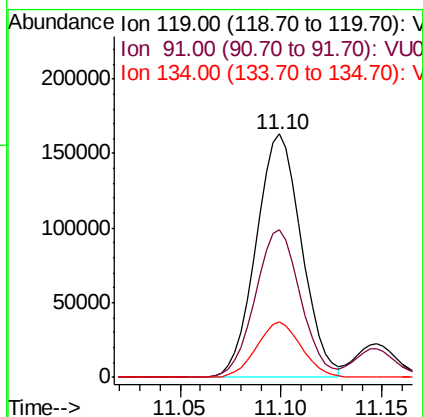
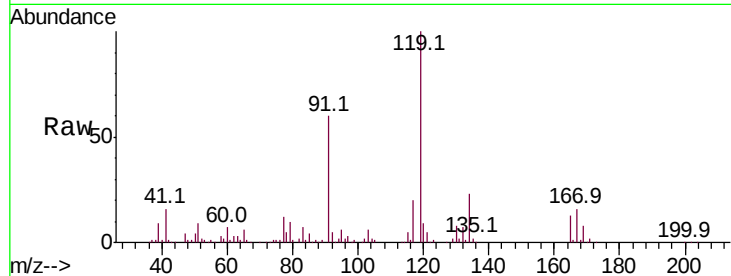




#83
tert-Butylbenzene
Concen: 49.362 ug/l
RT: 11.10 min Scan# 3087
Delta R.T. 0.00 min
Lab File: VU028495.D
Acq: 06 Dec 2018 12:33

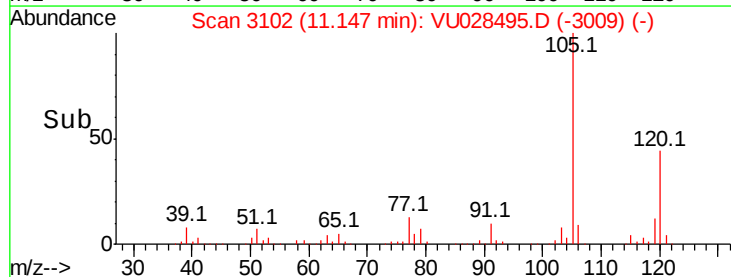
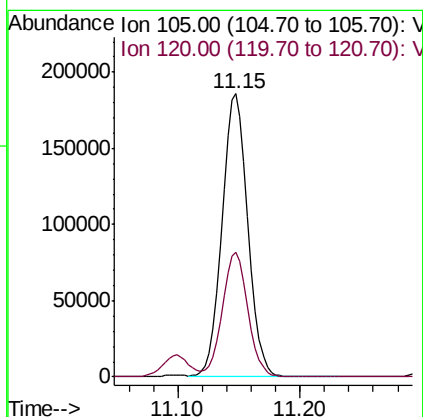
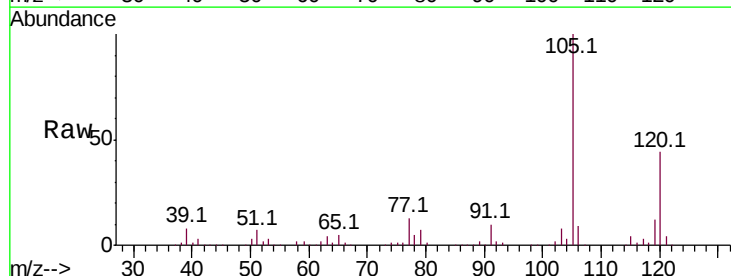
Instrument :
MSVOA_U
ClientSampled :

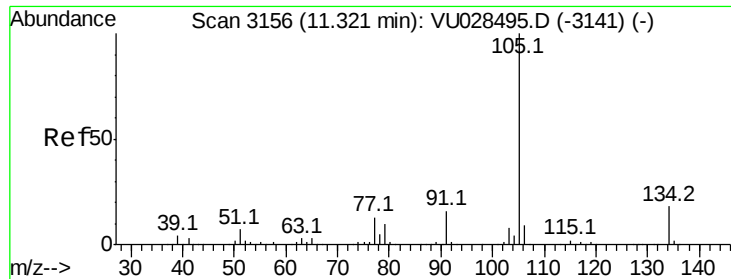
Tot Ion:119 Resp: 256466
Ion Ratio Lower Upper
119 100
91 60.7 30.3 91.0
134 22.3 11.2 33.5



#84
1,2,4-Trimethylbenzene
Concen: 49.738 ug/l
RT: 11.15 min Scan# 3102
Delta R.T. 0.00 min
Lab File: VU028495.D
Acq: 06 Dec 2018 12:33

Tgt Ion:105 Resp: 276303
Ion Ratio Lower Upper
105 100
120 43.6 21.8 65.4





#85

sec-Butylbenzene

Concen: 49.821 ug/l

RT: 11.32 min Scan# 3156

Delta R.T. 0.00 min

Lab File: VU028495.D

Acq: 06 Dec 2018 12:33

Instrument :

MSVOA_U

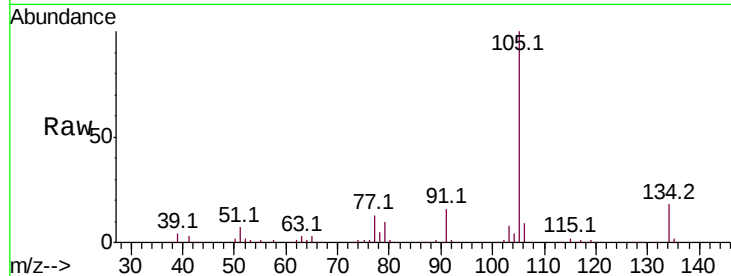
ClientSampleId :

Tot Ion:105 Resp: 332535

Ion Ratio Lower Upper

105 100

134 18.4 9.2 27.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

11.32

200000

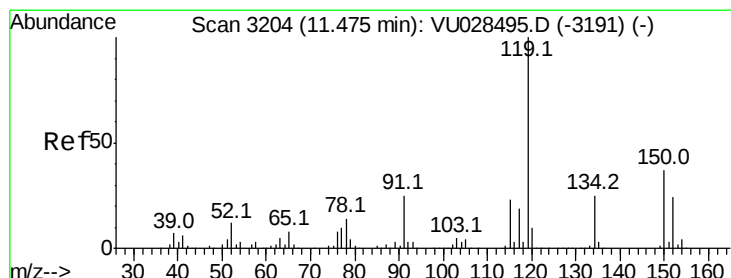
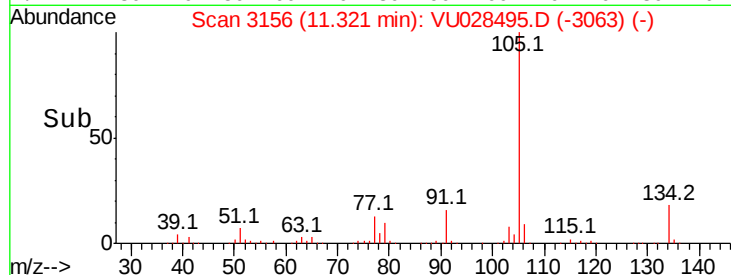
150000

100000

50000

0

Time-->



#86

p-Isopropyltoluene

Concen: 49.389 ug/l

RT: 11.48 min Scan# 3204

Delta R.T. 0.00 min

Lab File: VU028495.D

Acq: 06 Dec 2018 12:33

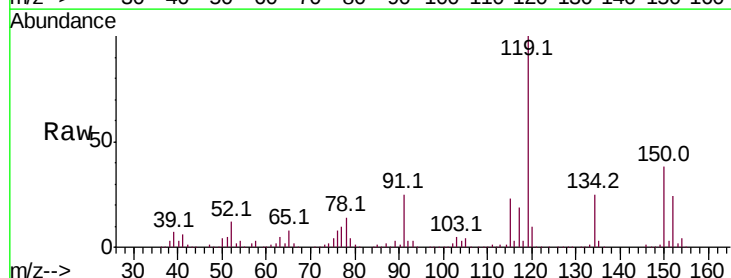
Tgt Ion:119 Resp: 280031

Ion Ratio Lower Upper

119 100

134 25.4 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): VU0

11.48

200000

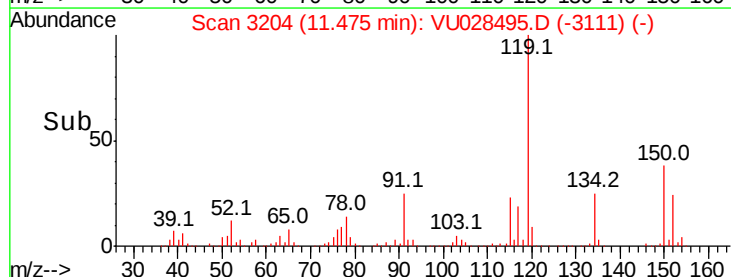
150000

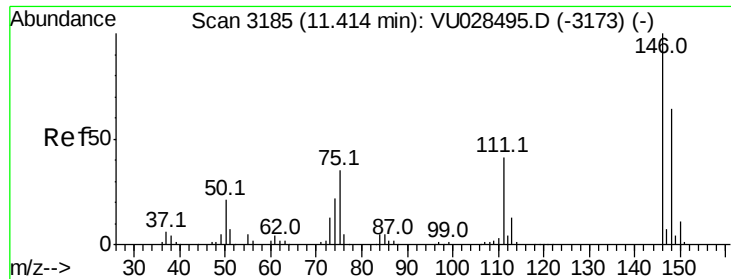
100000

50000

0

Time-->

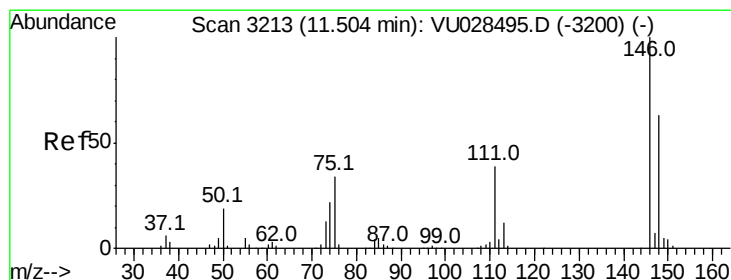
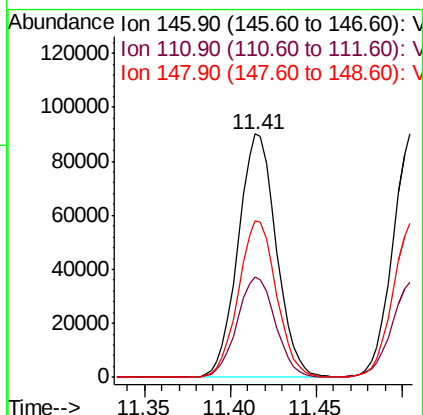
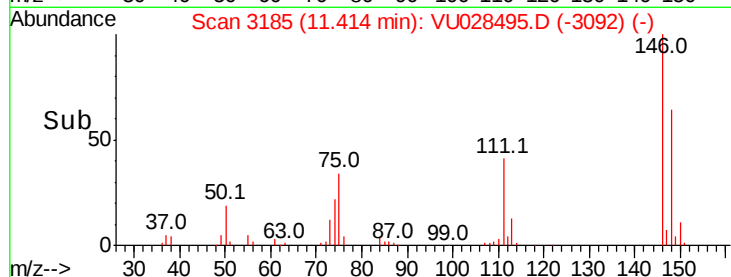
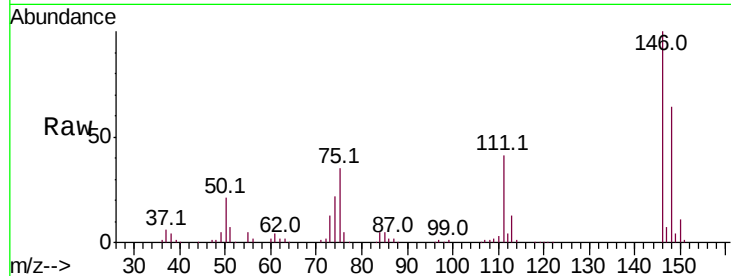




#87
 1,3-Dichlorobenzene
 Concen: 48.361 ug/l
 RT: 11.41 min Scan# 3185
 Delta R.T. 0.00 min
 Lab File: VU028495.D
 Acq: 06 Dec 2018 12:33

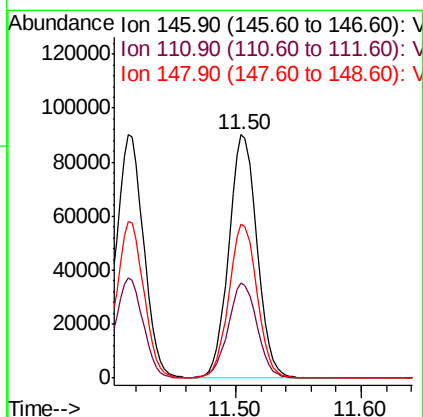
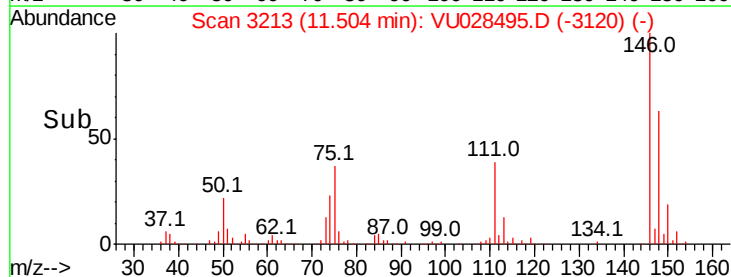
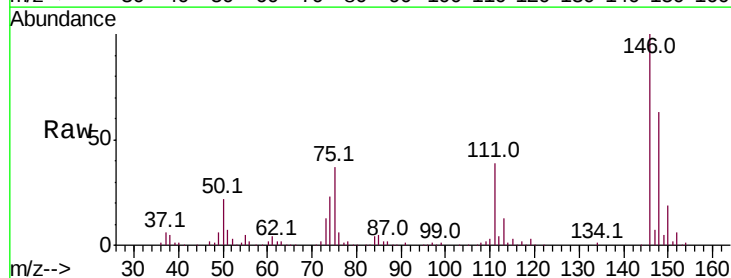
Instrument :
 MSVOA_U
 ClientSampled :

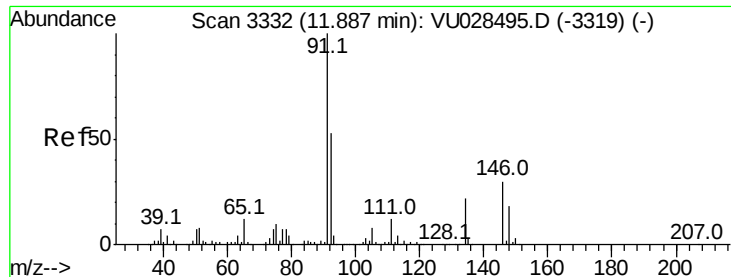
Tot Ion:146 Resp: 139074
 Ion Ratio Lower Upper
 146 100
 111 41.4 20.7 62.1
 148 63.8 31.9 95.7



#88
 1,4-Dichlorobenzene
 Concen: 47.266 ug/l
 RT: 11.50 min Scan# 3213
 Delta R.T. 0.00 min
 Lab File: VU028495.D
 Acq: 06 Dec 2018 12:33

Tgt Ion:146 Resp: 140630
 Ion Ratio Lower Upper
 146 100
 111 40.3 20.2 60.5
 148 63.3 31.6 95.0

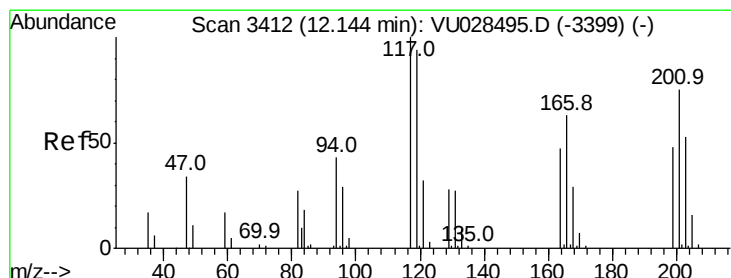
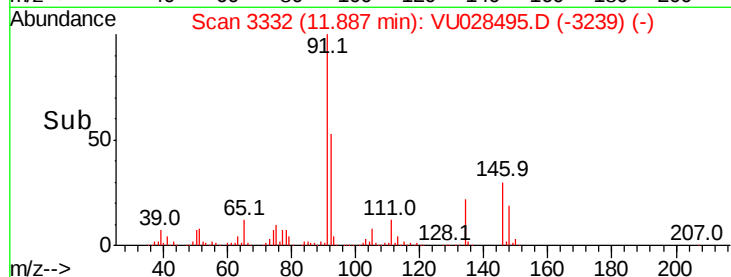
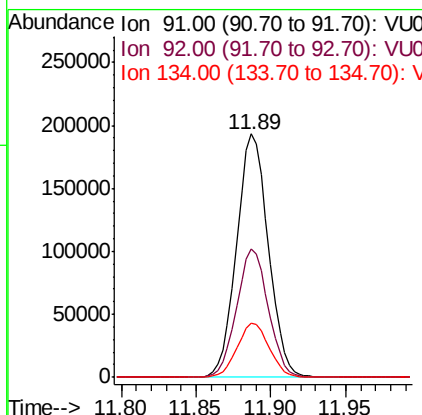
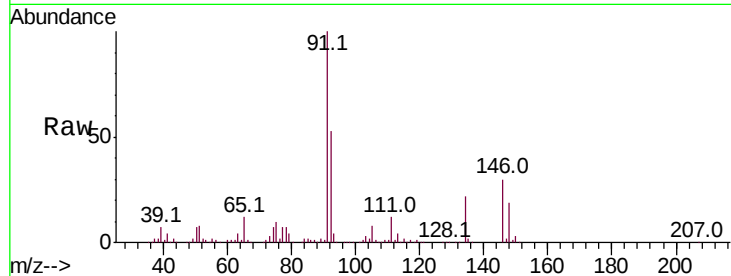




#89
n-Butylbenzene
Concen: 49.739 ug/l
RT: 11.89 min Scan# 3332
Delta R.T. 0.00 min
Lab File: VU028495.D
Acq: 06 Dec 2018 12:33

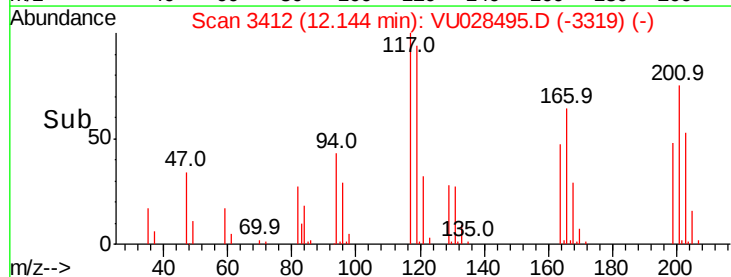
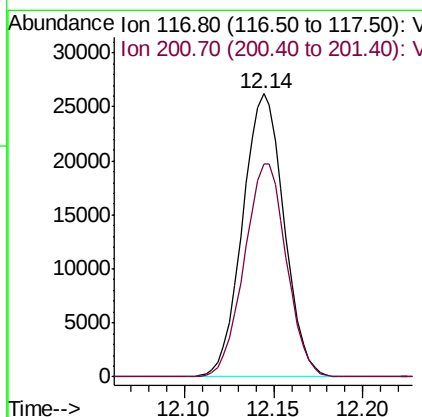
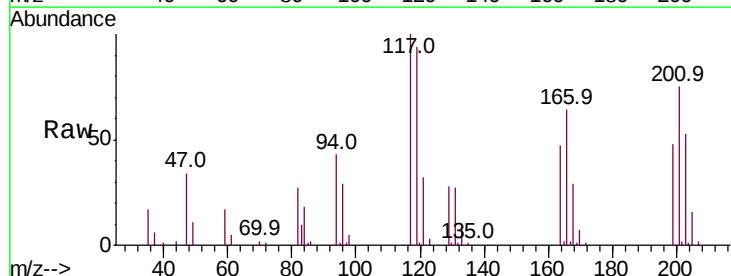
Instrument :
MSVOA_U
ClientSampled :

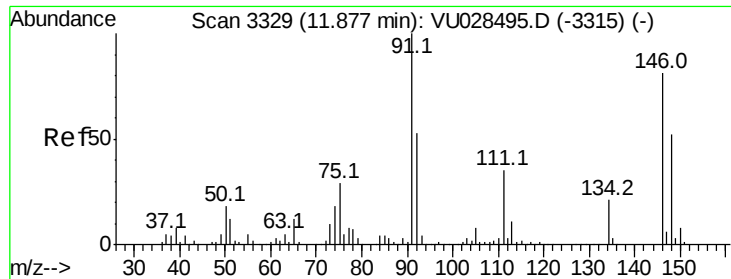
Tot Ion: 91 Resp: 285413
Ion Ratio Lower Upper
91 100
92 52.6 26.3 78.9
134 22.5 11.3 33.8



#90
Hexachloroethane
Concen: 49.605 ug/l
RT: 12.14 min Scan# 3412
Delta R.T. 0.00 min
Lab File: VU028495.D
Acq: 06 Dec 2018 12:33

Tgt Ion: 117 Resp: 42511
Ion Ratio Lower Upper
117 100
201 76.3 38.1 114.5

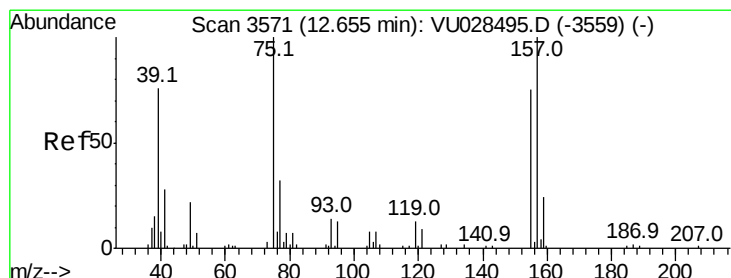
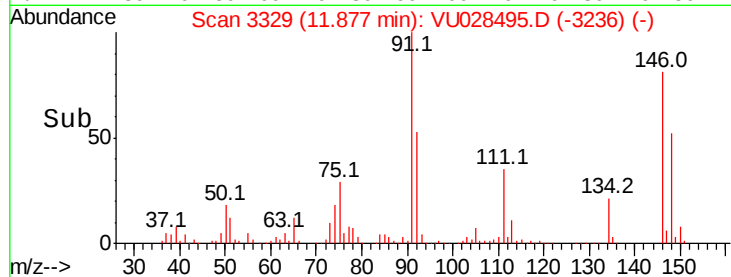
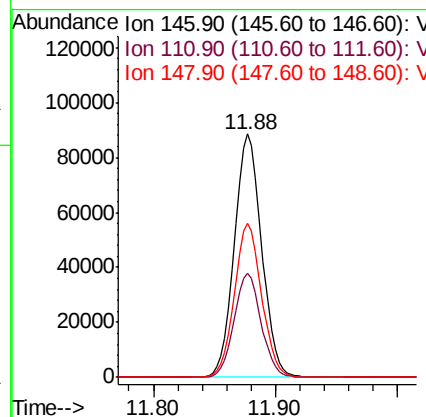
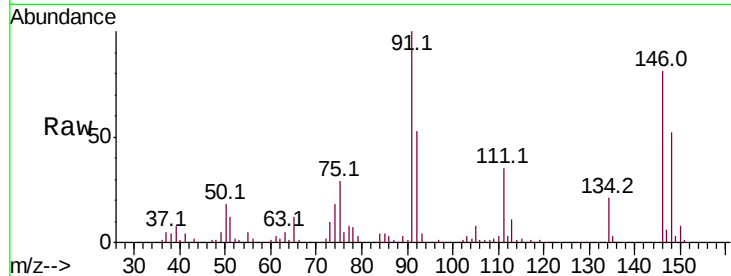




#91
 1,2-Dichlorobenzene
 Concen: 48.143 ug/l
 RT: 11.88 min Scan# 3329
 Delta R.T. 0.00 min
 Lab File: VU028495.D
 Acq: 06 Dec 2018 12:33

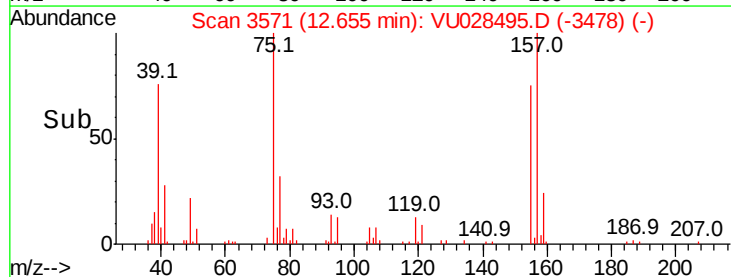
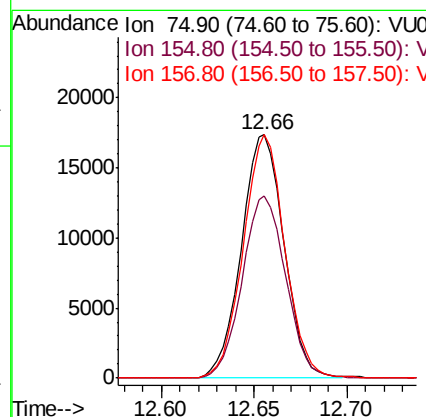
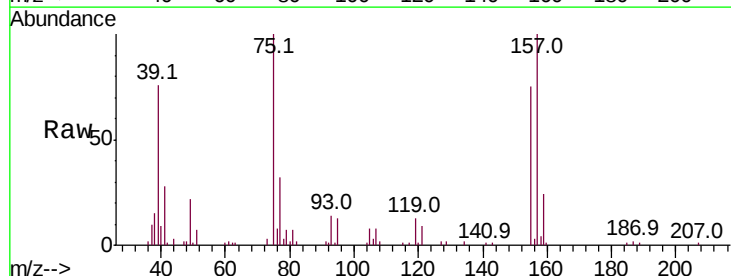
Instrument :
 MSVOA_U
 ClientSampleId :

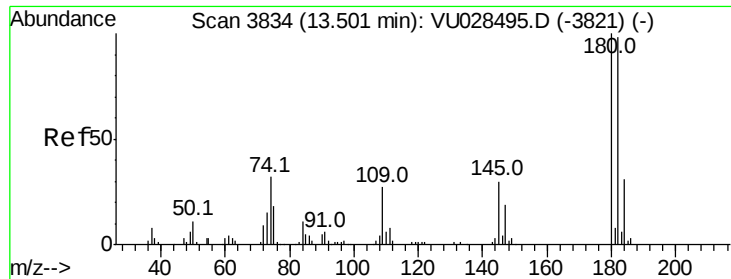
Tot Ion	Ratio	Lower	Upper
146	100		
111	42.3	21.1	63.4
148	62.8	31.4	94.2



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 51.135 ug/l
 RT: 12.66 min Scan# 3571
 Delta R.T. 0.00 min
 Lab File: VU028495.D
 Acq: 06 Dec 2018 12:33

Tgt Ion	Ratio	Lower	Upper
75	100		
155	76.3	38.1	114.5
157	97.4	48.7	146.1

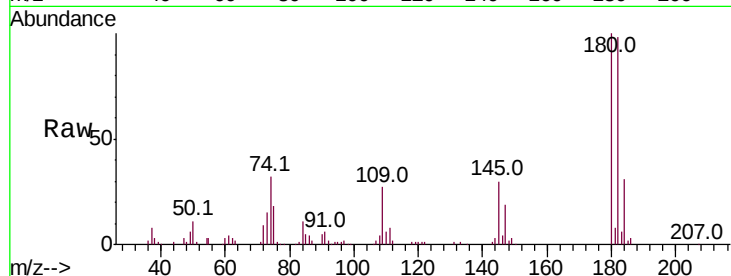




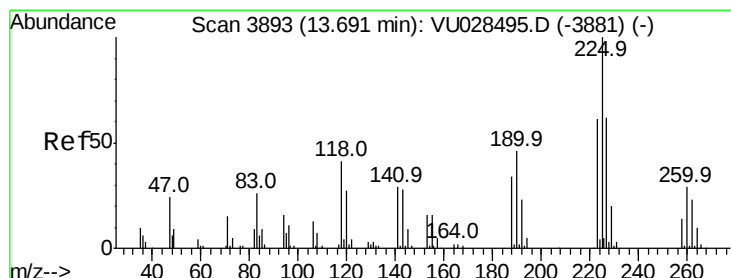
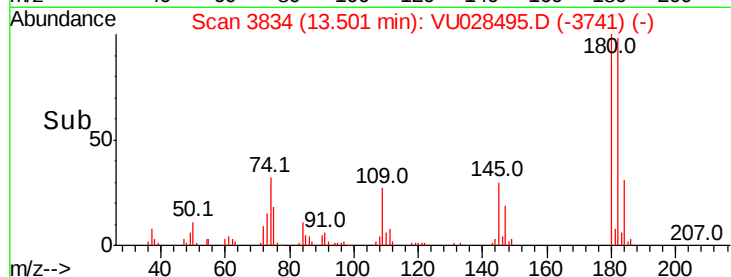
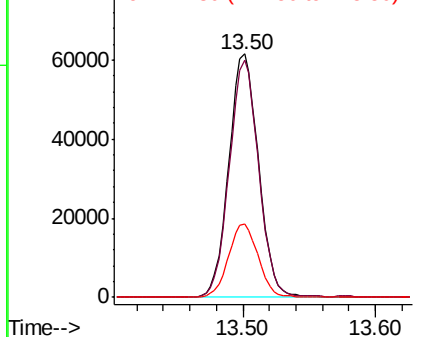
#93
 1,2,4-Trichlorobenzene
 Concen: 46.623 ug/l
 RT: 13.50 min Scan# 3834
 Delta R.T. 0.00 min
 Lab File: VU028495.D
 Acq: 06 Dec 2018 12:33

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion:180 Resp: 96153
 Ion Ratio Lower Upper
 180 100
 182 95.9 47.9 143.8
 145 30.1 15.0 45.1

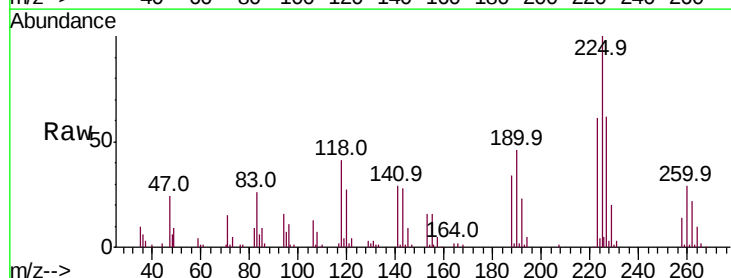


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

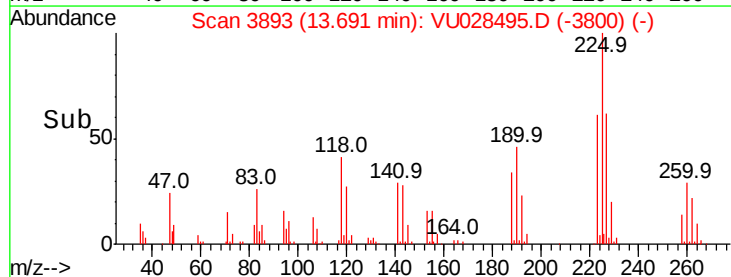
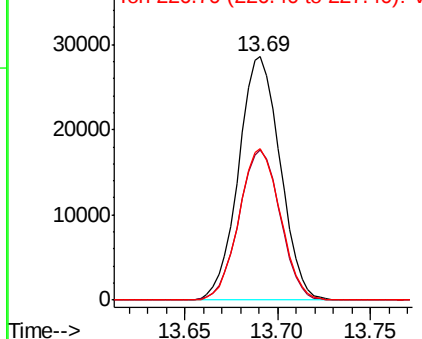


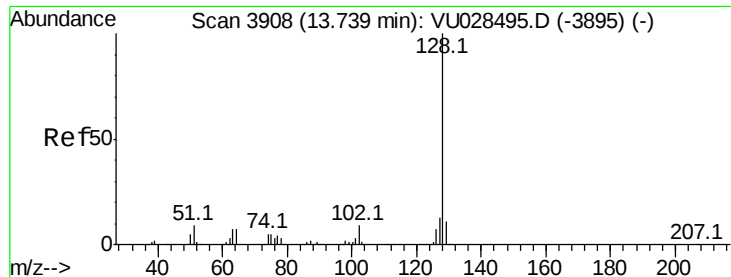
#94
 Hexachlorobutadiene
 Concen: 47.549 ug/l
 RT: 13.69 min Scan# 3893
 Delta R.T. 0.00 min
 Lab File: VU028495.D
 Acq: 06 Dec 2018 12:33

Tgt Ion:225 Resp: 44804
 Ion Ratio Lower Upper
 225 100
 223 60.8 30.4 91.2
 227 61.4 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

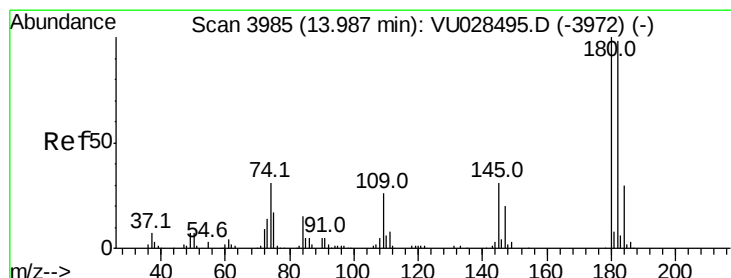
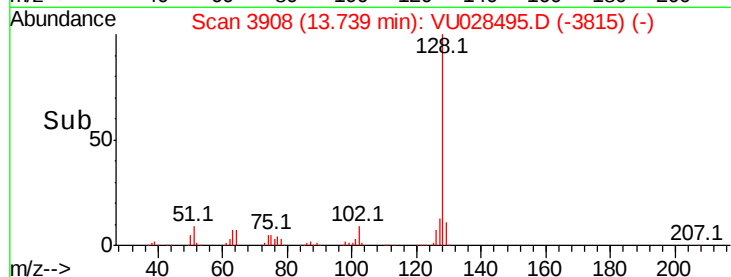
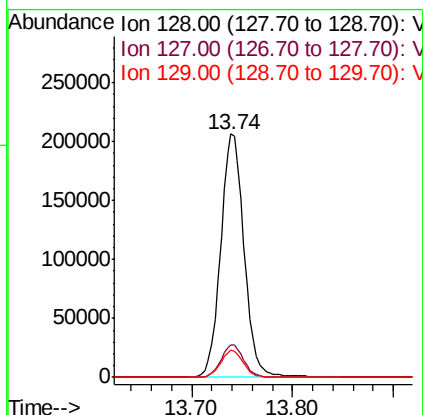
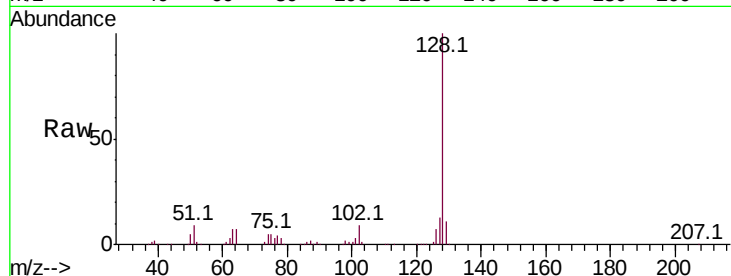




#95
Naphthalene
Concen: 48.514 ug/l
RT: 13.74 min Scan# 3908
Delta R.T. 0.00 min
Lab File: VU028495.D
Acq: 06 Dec 2018 12:33

Instrument :
MSVOA_U
ClientSampled :

Tot Ion:128 Resp: 334878
Ion Ratio Lower Upper
128 100
127 13.0 10.4 15.6
129 10.8 8.6 13.0



#96
1,2,3-Trichlorobenzene
Concen: 47.169 ug/l
RT: 13.99 min Scan# 3985
Delta R.T. 0.00 min
Lab File: VU028495.D
Acq: 06 Dec 2018 12:33

Tgt Ion:180 Resp: 97869
Ion Ratio Lower Upper
180 100
182 96.4 48.2 144.6
145 31.5 15.8 47.3

