

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU121718\
 Data File : VU028736.D
 Acq On : 17 Dec 2018 21:57
 Operator : MD/SY
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Dec 18 03:12:03 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U120618W.M
 Quant Title : SW846 8260
 QLast Update : Fri Dec 07 00:39:42 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.98	168	73109	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.88	114	131246	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	120282	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	59472	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.30	65	58149	52.12	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.24%	
35) Dibromofluoromethane	4.88	113	43698	52.91	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.82%	
50) Toluene-d8	7.56	98	168088	51.45	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.90%	
62) 4-Bromofluorobenzene	10.30	95	60961	49.92	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.84%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	50205	51.234	ug/l	99
3) Chloromethane	1.33	50	87227	48.417	ug/l	98
4) Vinyl Chloride	1.40	62	66053	50.805	ug/l	99
5) Bromomethane	1.60	94	34030	64.977	ug/l	96
6) Chloroethane	1.68	64	37898	51.489	ug/l	98
7) Trichlorofluoromethane	1.87	101	70052	51.212	ug/l	99
8) Diethyl Ether	2.10	74	31354	48.993	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	2.28	101	41969	51.301	ug/l	99
10) Methyl Iodide	2.40	142	44536	69.380	ug/l	99
11) Tert butyl alcohol	2.83	59	66080	265.839	ug/l	99
12) 1,1-Dichloroethene	2.28	96	40568	49.839	ug/l	96
13) Acrolein	2.19	56	69457	350.512	ug/l	99
14) Allyl chloride	2.59	41	108418	56.303	ug/l	91
15) Acrylonitrile	2.93	53	190154	275.540	ug/l	99
16) Acetone	2.32	43	152188	209.038	ug/l	99
17) Carbon Disulfide	2.47	76	139940	47.722	ug/l	99
18) Methyl Acetate	2.61	43	115978	61.453	ug/l	97
19) Methyl tert-butyl Ether	3.00	73	164121	53.187	ug/l	100
20) Methylene Chloride	2.70	84	52108	48.552	ug/l	96
21) trans-1,2-Dichloroethene	2.98	96	45524	49.673	ug/l	97
22) Diisopropyl ether	3.57	45	207455	55.400	ug/l	98
23) Vinyl Acetate	3.52	43	836347	270.771	ug/l	99
24) 1,1-Dichloroethane	3.44	63	103578	52.841	ug/l	100
25) 2-Butanone	4.26	43	262022	263.355	ug/l	98
26) 2,2-Dichloropropane	4.22	77	73291	47.188	ug/l	100
27) cis-1,2-Dichloroethene	4.22	96	53292	51.375	ug/l	99
28) Bromochloromethane	4.55	49	50932	57.156	ug/l	97
29) Tetrahydrofuran	4.64	42	178784	279.792	ug/l	98
30) Chloroform	4.67	83	91464	53.537	ug/l	99
31) Cyclohexane	4.99	56	98141	51.338	ug/l	99
32) 1,1,1-Trichloroethane	4.91	97	75395	53.136	ug/l	99
36) 1,1-Dichloropropene	5.13	75	70735	49.251	ug/l	99
37) Ethyl Acetate	4.38	43	97871	52.715	ug/l	99
38) Carbon Tetrachloride	5.13	117	59481	51.384	ug/l	97

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

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.41	83	84075	47.984	ug/l	99
40) Benzene	5.39	78	218589	51.677	ug/l	98
41) Methacrylonitrile	4.54	41	56362	55.433	ug/l	97
42) 1,2-Dichloroethane	5.40	62	76936	51.961	ug/l	98
43) Isopropyl Acetate	5.55	43	159395	54.279	ug/l	98
44) Trichloroethene	6.18	130	47148	50.130	ug/l	98
45) 1,2-Dichloropropane	6.43	63	64452	54.184	ug/l	96
46) Dibromomethane	6.56	93	37259	52.792	ug/l	99
47) Bromodichloromethane	6.76	83	71729	52.228	ug/l	98
48) Methyl methacrylate	6.62	41	79441	54.398	ug/l	99
49) 1,4-Dioxane	6.61	88	25085	1087.877	ug/l	98
51) 4-Methyl-2-Pentanone	7.46	43	510054	275.388	ug/l	99
52) Toluene	7.64	92	126208	50.698	ug/l	100
53) t-1,3-Dichloropropene	7.88	75	84703	51.785	ug/l	97
54) cis-1,3-Dichloropropene	7.27	75	90474	50.983	ug/l	99
55) 1,1,2-Trichloroethane	8.06	97	51466	52.300	ug/l	97
56) Ethyl methacrylate	8.02	69	89828	53.306	ug/l	98
57) 1,3-Dichloropropane	8.24	76	96971	53.086	ug/l	98
58) 2-Chloroethyl Vinyl ether	7.12	63	234804	272.038	ug/l	99
59) 2-Hexanone	8.36	43	390240	265.830	ug/l	100
60) Dibromochloromethane	8.48	129	50514	52.431	ug/l	100
61) 1,2-Dibromoethane	8.58	107	55051	53.348	ug/l	99
64) Tetrachloroethene	8.22	164	39177	48.830	ug/l	95
65) Chlorobenzene	9.12	112	131259	51.211	ug/l	98
66) 1,1,1,2-Tetrachloroethane	9.21	131	45888	56.065	ug/l	99
67) Ethyl Benzene	9.25	91	244188	51.825	ug/l	98
68) m/p-Xylenes	9.37	106	179099	104.462	ug/l	98
69) o-Xylene	9.78	106	87345	52.423	ug/l	99
70) Styrene	9.79	104	145930	52.924	ug/l	100
71) Bromoform	9.96	173	39789	57.146	ug/l #	100
73) Isopropylbenzene	10.17	105	232208	50.884	ug/l	99
74) N-amyl acetate	10.01	43	142897	54.285	ug/l	99
75) 1,1,2,2-Tetrachloroethane	10.46	83	98224	56.031	ug/l	100
76) 1,2,3-Trichloropropane	10.49	75	113299	74.606	ug/l	83
77) Bromobenzene	10.45	156	55568	52.065	ug/l	99
78) n-propylbenzene	10.58	91	287561	50.711	ug/l	100
79) 2-Chlorotoluene	10.66	91	172385	52.776	ug/l	99
80) 1,3,5-Trimethylbenzene	10.77	105	197887	52.385	ug/l	100
81) trans-1,4-Dichloro-2-buten	10.49	75	113299	182.034	ug/l #	100
82) 4-Chlorotoluene	10.77	91	195057	50.393	ug/l	99
83) tert-Butylbenzene	11.10	119	191153	52.500	ug/l	99
84) 1,2,4-Trimethylbenzene	11.15	105	202339	51.974	ug/l	100
85) sec-Butylbenzene	11.32	105	242013	51.740	ug/l	100
86) p-Isopropyltoluene	11.48	119	201408	50.689	ug/l	99
87) 1,3-Dichlorobenzene	11.42	146	101778	50.502	ug/l	99
88) 1,4-Dichlorobenzene	11.51	146	102381	49.102	ug/l	99
89) n-Butylbenzene	11.89	91	197385	49.085	ug/l	100
90) Hexachloroethane	12.14	117	32601	54.284	ug/l	97
91) 1,2-Dichlorobenzene	11.88	146	103409	51.297	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.66	75	21311	56.151	ug/l	99

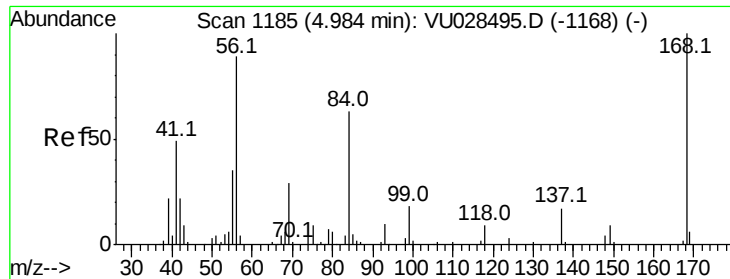
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Quant Title : SW846 8260
QLast Update : Fri Dec 07 00:39:42 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.50	180	66959	48.366	ug/l	99
94) Hexachlorobutadiene	13.69	225	31135	47.150	ug/l	96
95) Naphthalene	13.74	128	233866	48.346	ug/l	100
96) 1,2,3-Trichlorobenzene	13.99	180	68714	49.841	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.98 min Scan# 1185

Delta R.T. -0.00 min

Lab File: VU028736.D

Acq: 17 Dec 2018 21:57

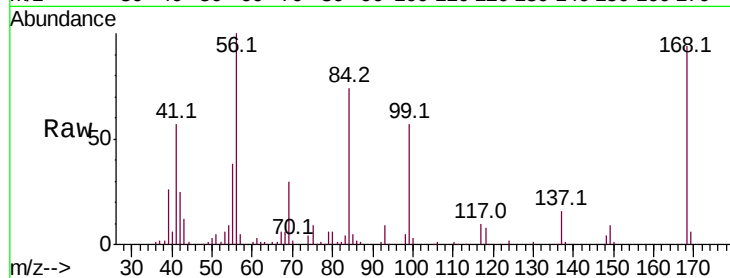
Instrument :
MSVOA_U
ClientSampled :

Tot Ion:168 Resp: 73109

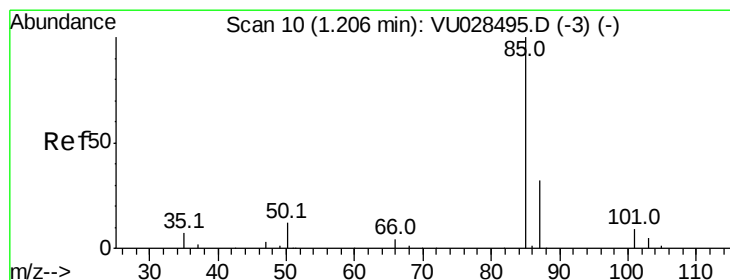
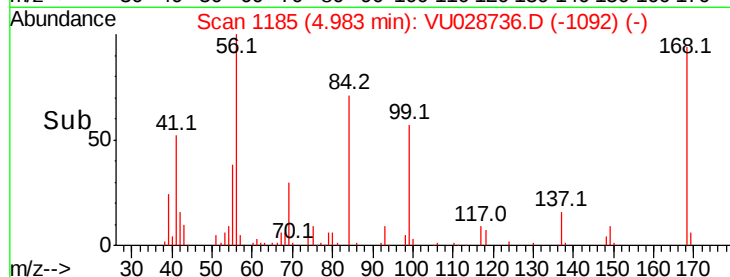
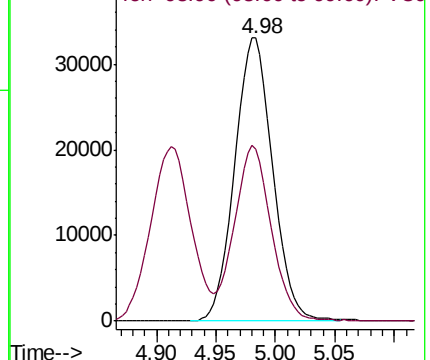
Ion Ratio Lower Upper

168 100

99 60.3 46.6 69.8



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



#2

Dichlorodifluoromethane

Concen: 51.234 ug/l

RT: 1.20 min Scan# 9

Delta R.T. -0.00 min

Lab File: VU028736.D

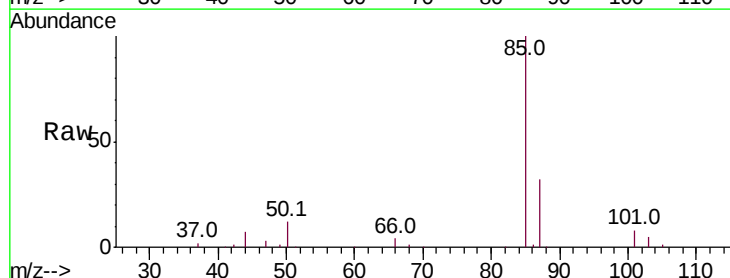
Acq: 17 Dec 2018 21:57

Tgt Ion: 85 Resp: 50205

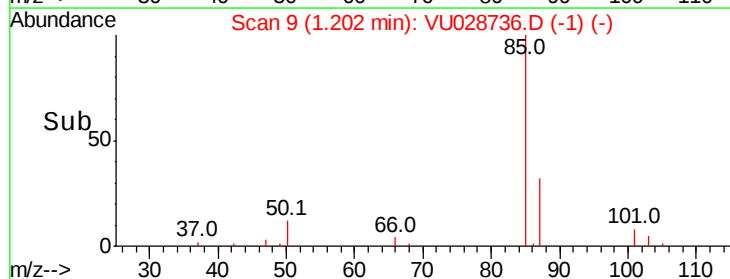
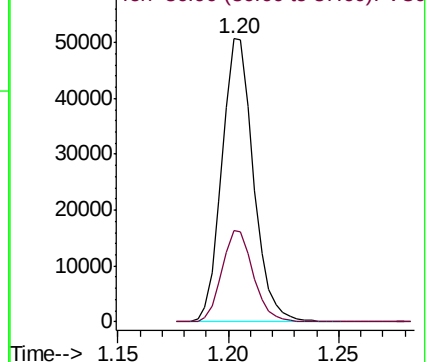
Ion Ratio Lower Upper

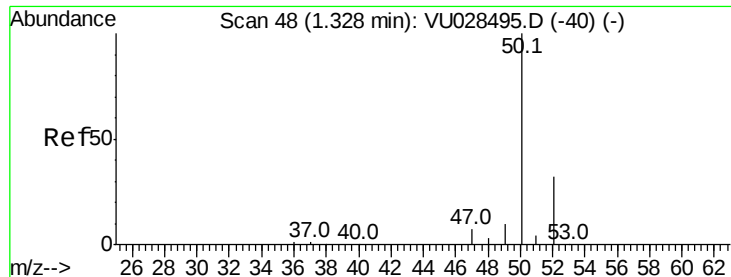
85 100

87 32.3 15.9 47.6



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

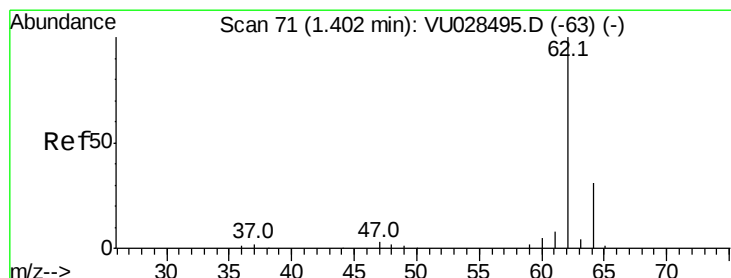
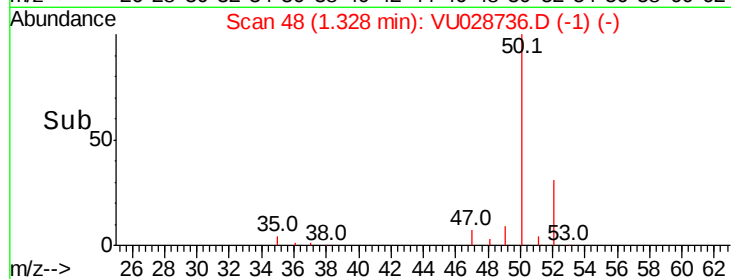
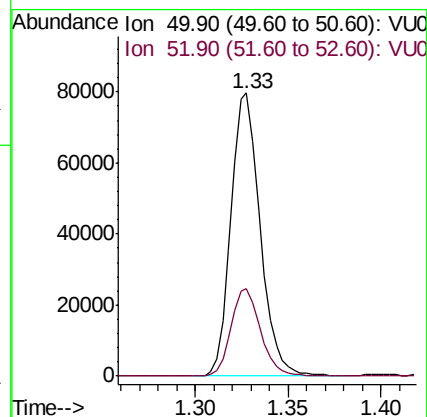
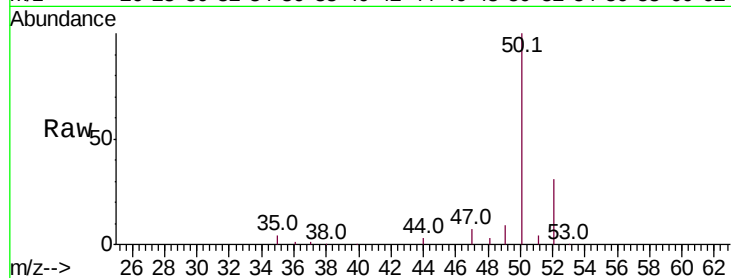




#3
Chloromethane
Concen: 48.417 ug/l
RT: 1.33 min Scan# 48
Delta R.T. -0.00 min
Lab File: VU028736.D
Acq: 17 Dec 2018 21:57

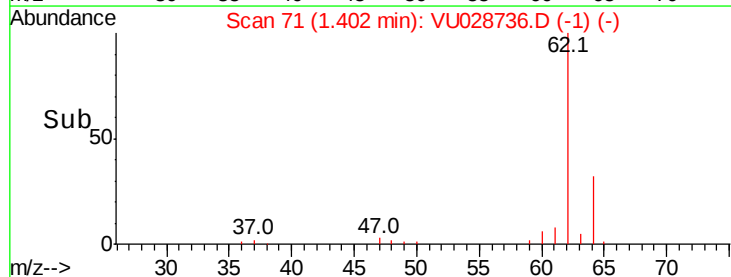
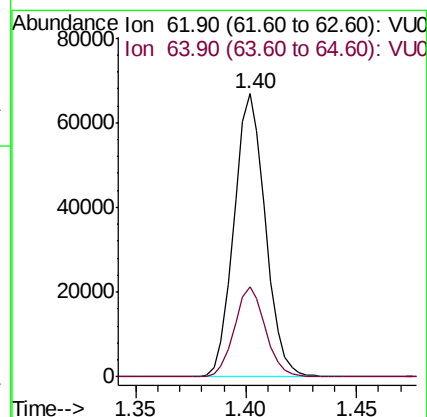
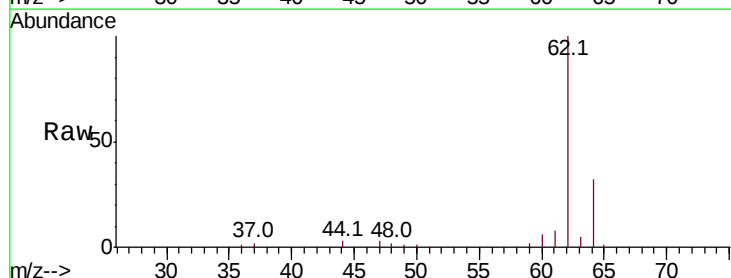
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 50 Resp: 87227
Ion Ratio Lower Upper
50 100
52 31.0 25.5 38.3



#4
Vinyl Chloride
Concen: 50.805 ug/l
RT: 1.40 min Scan# 71
Delta R.T. -0.00 min
Lab File: VU028736.D
Acq: 17 Dec 2018 21:57

Tgt Ion: 62 Resp: 66053
Ion Ratio Lower Upper
62 100
64 32.0 25.1 37.7

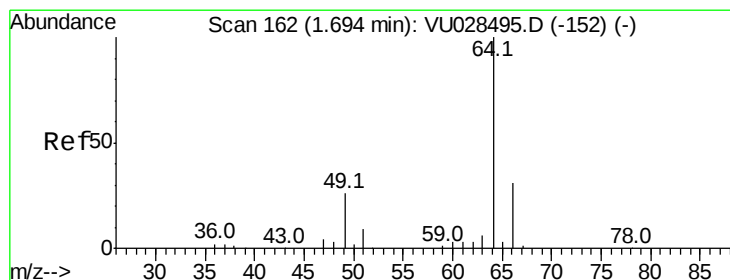
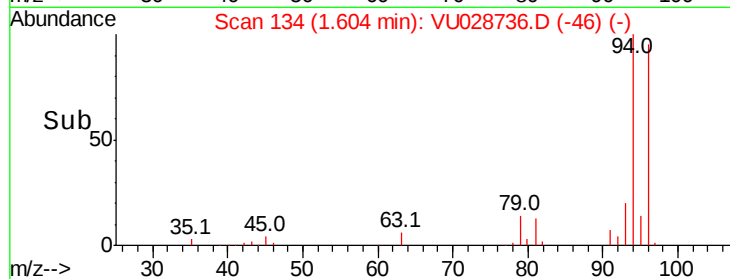
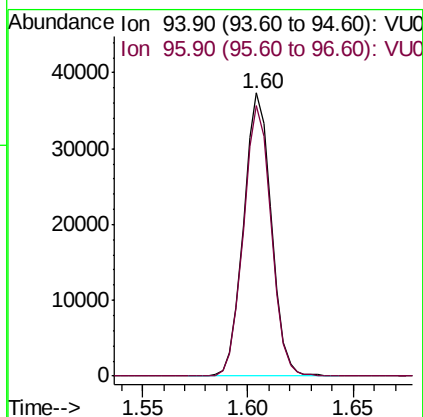
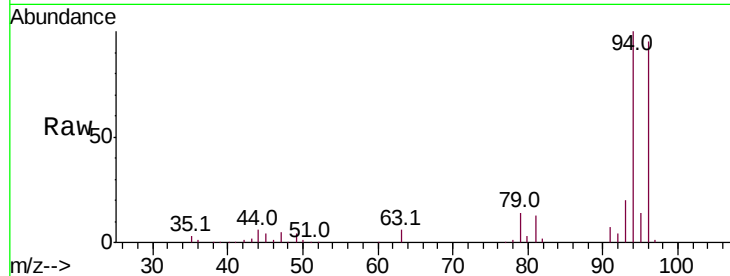




#5
Bromomethane
Concen: 64.977 ug/l
RT: 1.60 min Scan# 134
Delta R.T. -0.02 min
Lab File: VU028736.D
Acq: 17 Dec 2018 21:57

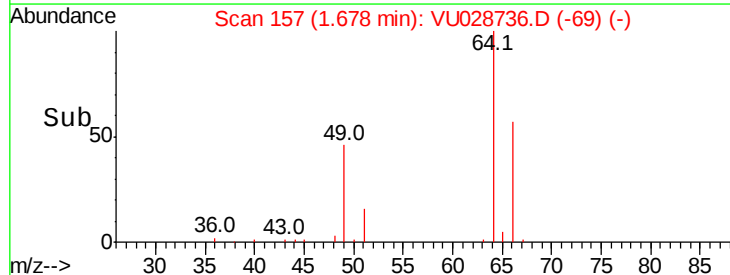
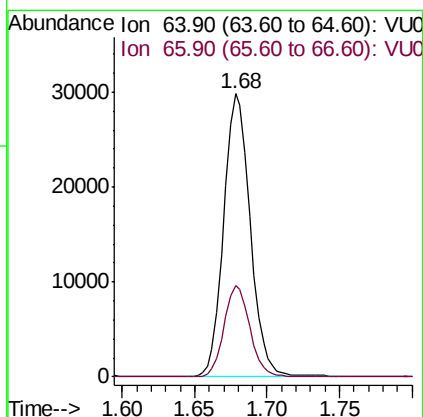
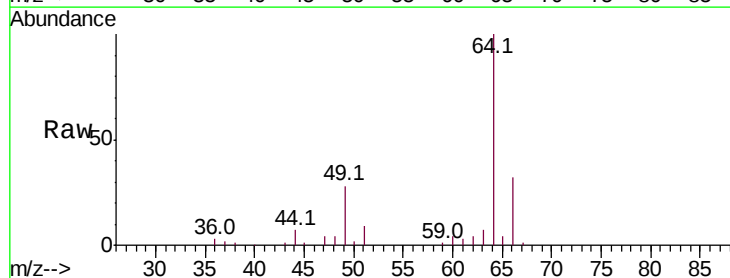
Instrument :
MSVOA_U
ClientSampleId :

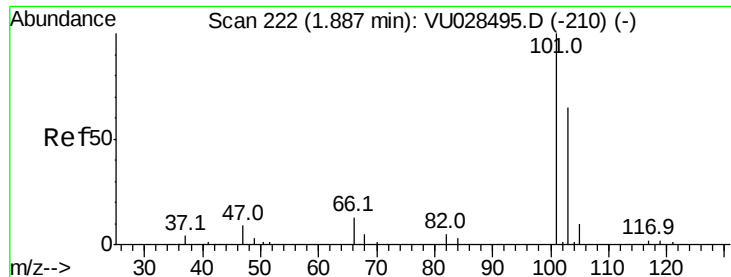
Tot Ion: 94 Resp: 34030
Ion Ratio Lower Upper
94 100
96 95.5 73.2 109.8



#6
Chloroethane
Concen: 51.489 ug/l
RT: 1.68 min Scan# 157
Delta R.T. -0.02 min
Lab File: VU028736.D
Acq: 17 Dec 2018 21:57

Tgt Ion: 64 Resp: 37898
Ion Ratio Lower Upper
64 100
66 32.5 25.0 37.6



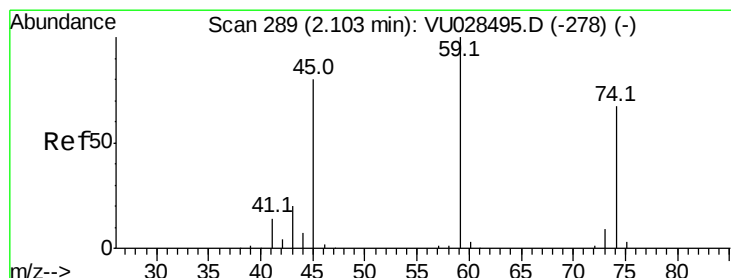
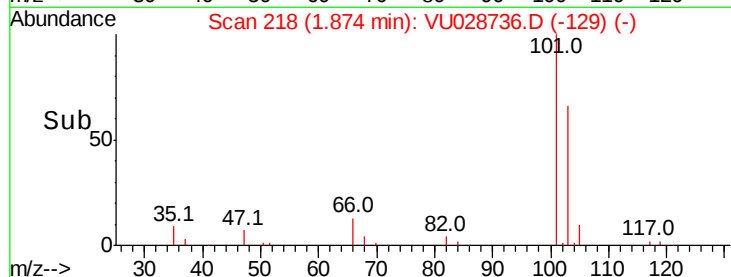
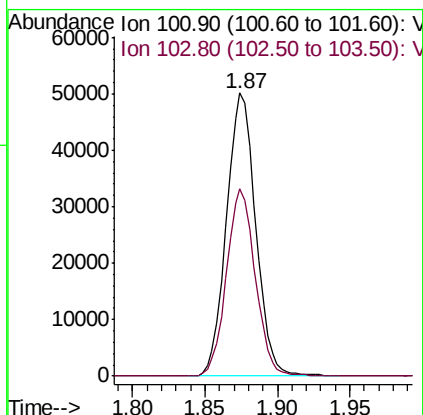
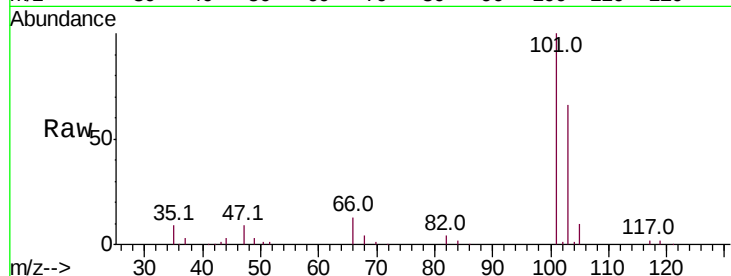


#7

Trichlorofluoromethane
Concen: 51.212 ug/l
RT: 1.87 min Scan# 218
Delta R.T. -0.01 min
Lab File: VU028736.D
Acq: 17 Dec 2018 21:57

Instrument :
MSVOA_U
ClientSampleId :

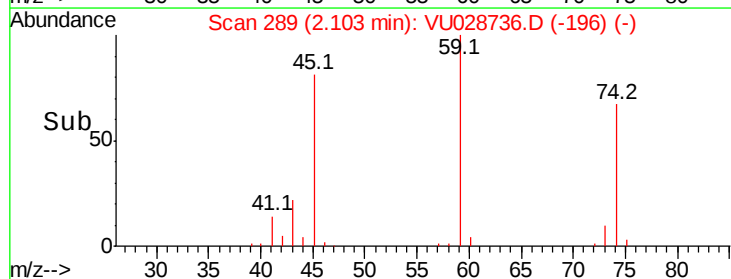
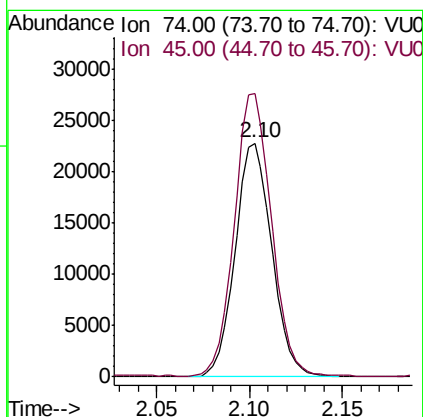
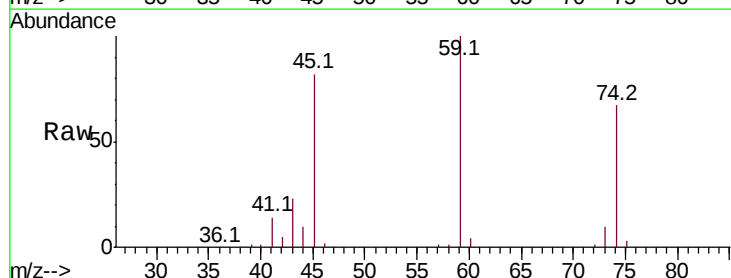
Tot Ion:101 Resp: 70052
Ion Ratio Lower Upper
101 100
103 66.1 52.3 78.5



#8

Diethyl Ether
Concen: 48.993 ug/l
RT: 2.10 min Scan# 289
Delta R.T. -0.00 min
Lab File: VU028736.D
Acq: 17 Dec 2018 21:57

Tgt Ion: 74 Resp: 31354
Ion Ratio Lower Upper
74 100
45 123.6 59.7 179.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 51.301 ug/l

RT: 2.28 min Scan# 344

Delta R.T. -0.01 min

Lab File: VU028736.D

Acq: 17 Dec 2018 21:57

Instrument :

MSVOA_U

ClientSampled :

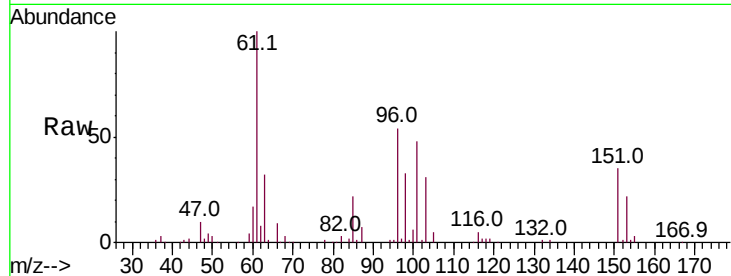
Tot Ion:101 Resp: 41969

Ion Ratio Lower Upper

101 100

85 46.1 36.4 54.6

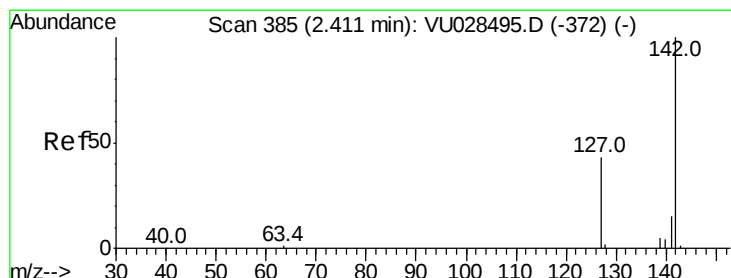
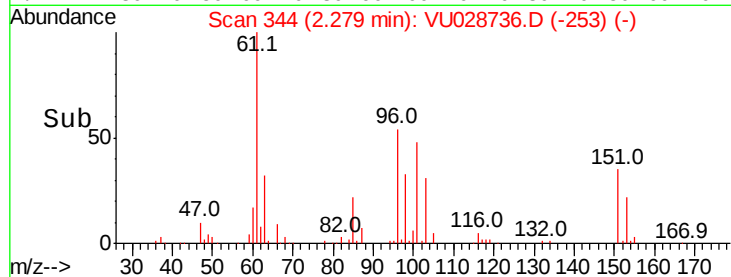
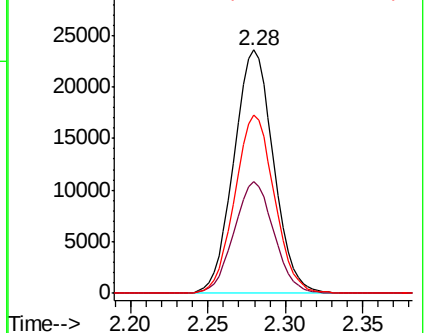
151 73.1 58.2 87.2



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: 69.380 ug/l

RT: 2.40 min Scan# 383

Delta R.T. -0.01 min

Lab File: VU028736.D

Acq: 17 Dec 2018 21:57

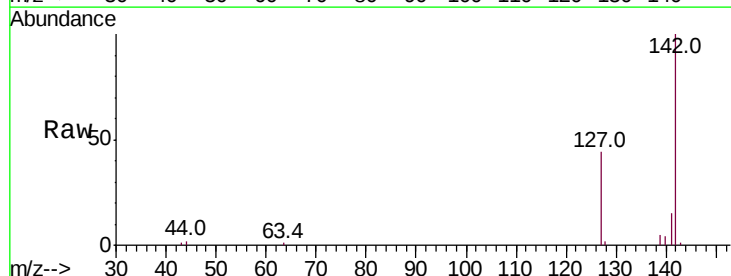
Tgt Ion:142 Resp: 44536

Ion Ratio Lower Upper

142 100

127 42.9 33.5 50.3

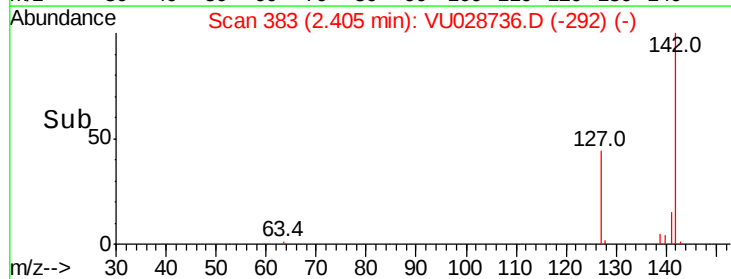
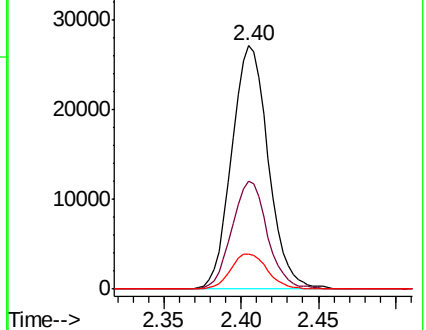
141 14.5 11.2 16.8



Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



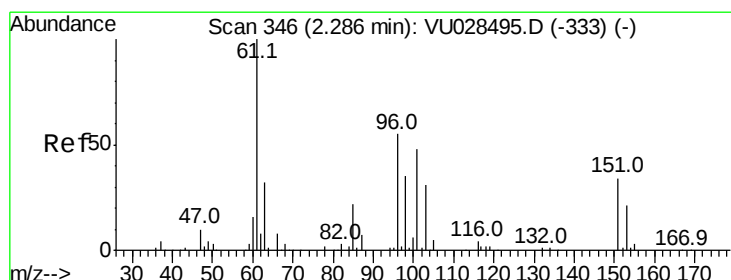
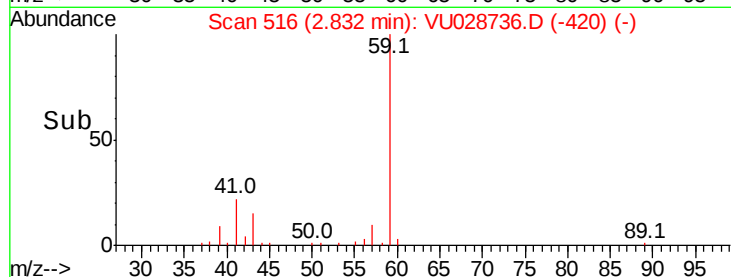
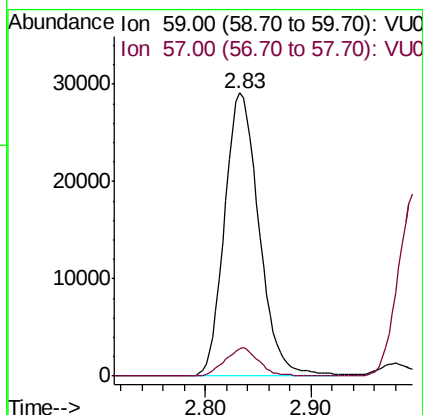
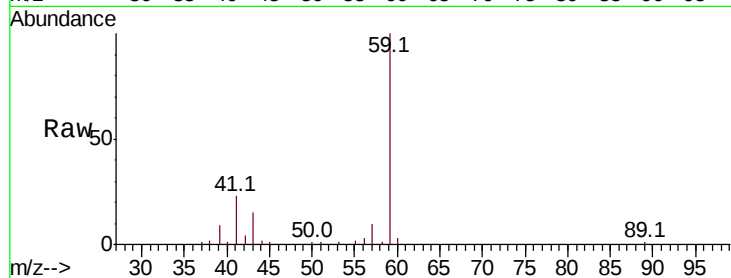


#11

Tert butyl alcohol
 Concen: 265.839 ug/l
 RT: 2.83 min Scan# 516
 Delta R.T. 0.01 min
 Lab File: VU028736.D
 Acq: 17 Dec 2018 21:57

Instrument :
 MSVOA_U
 ClientSampleId :

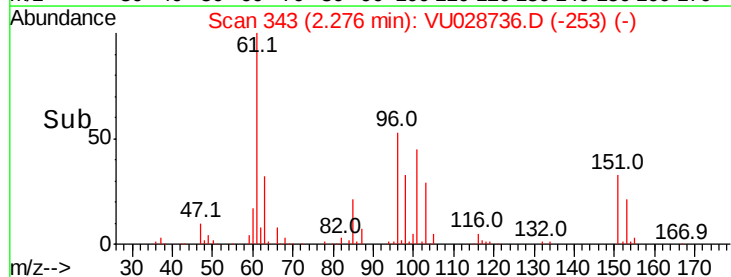
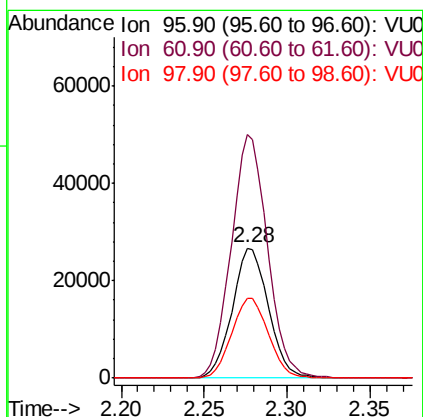
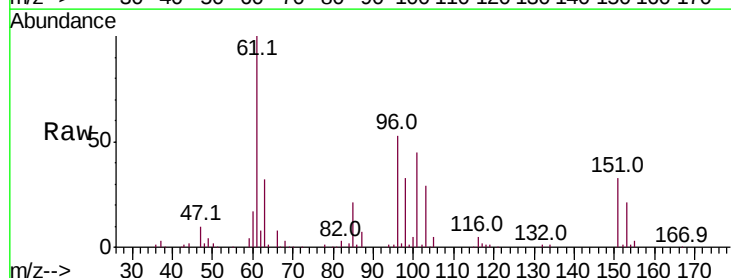
Tot Ion: 59 Resp: 66080
 Ion Ratio Lower Upper
 59 100
 57 9.6 8.0 12.0

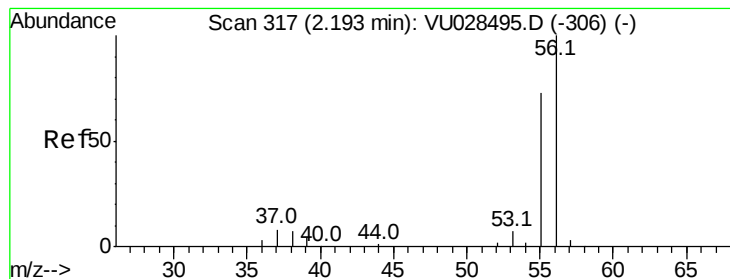


#12

1,1-Dichloroethene
 Concen: 49.839 ug/l
 RT: 2.28 min Scan# 343
 Delta R.T. -0.01 min
 Lab File: VU028736.D
 Acq: 17 Dec 2018 21:57

Tgt Ion: 96 Resp: 40568
 Ion Ratio Lower Upper
 96 100
 61 187.8 146.4 219.6
 98 61.6 51.8 77.8





#13

Acrolein

Concen: 350.512 ug/l

RT: 2.19 min Scan# 317

Delta R.T. -0.00 min

Lab File: VU028736.D

Acq: 17 Dec 2018 21:57

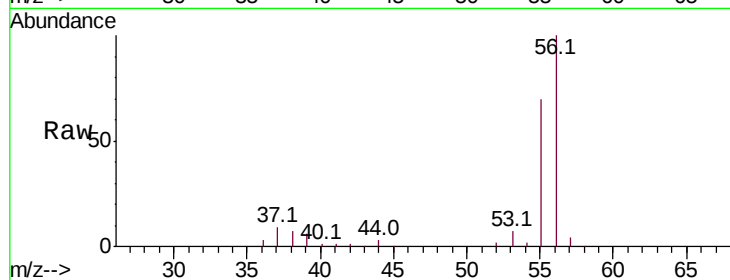
Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 56 Resp: 69457

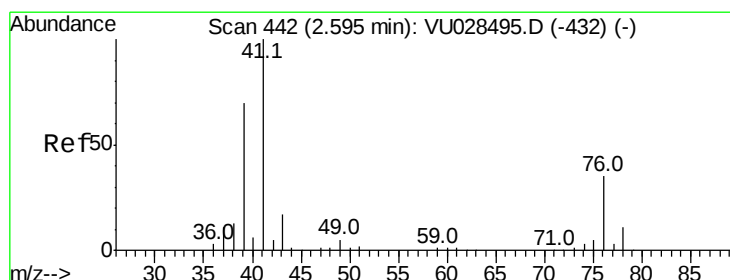
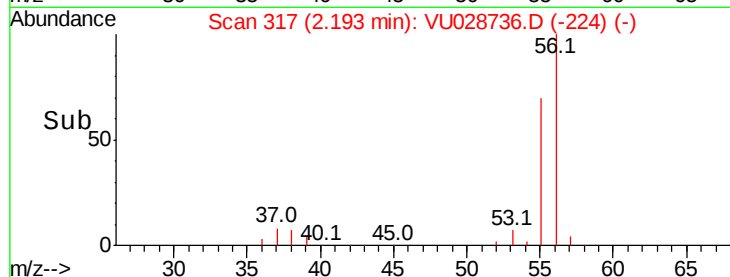
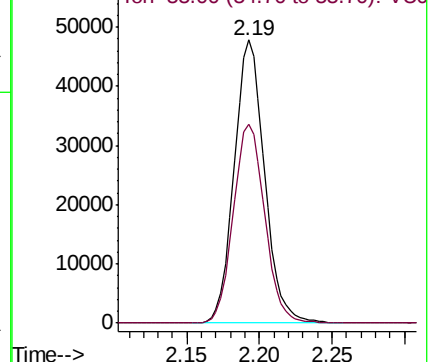
Ion Ratio Lower Upper

56 100

55 72.6 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: 56.303 ug/l

RT: 2.59 min Scan# 440

Delta R.T. -0.01 min

Lab File: VU028736.D

Acq: 17 Dec 2018 21:57

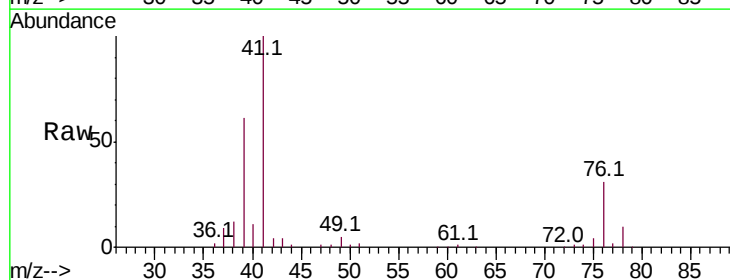
Tgt Ion: 41 Resp: 108418

Ion Ratio Lower Upper

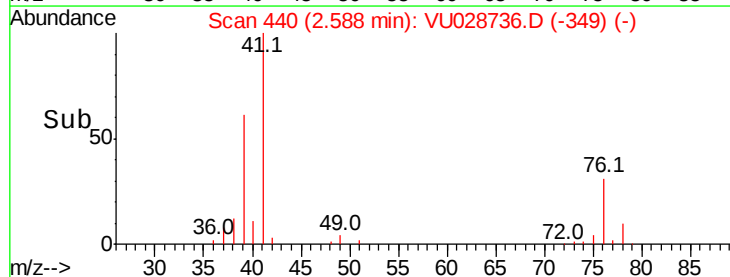
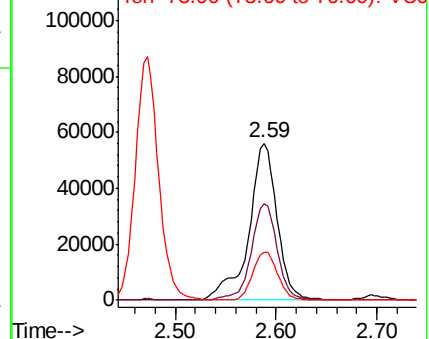
41 100

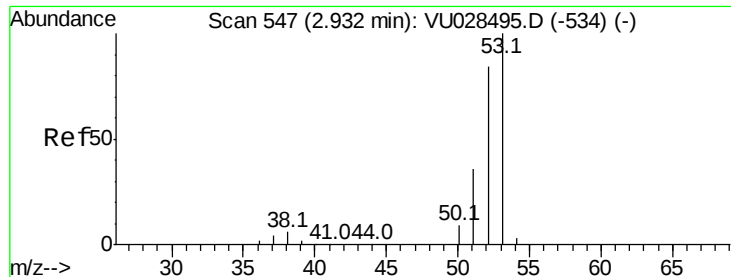
39 56.3 50.8 76.2

76 27.1 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: 275.540 ug/l

RT: 2.93 min Scan# 547

Delta R.T. -0.00 min

Lab File: VU028736.D

Acq: 17 Dec 2018 21:57

Instrument :
MSVOA_U
ClientSampleId :

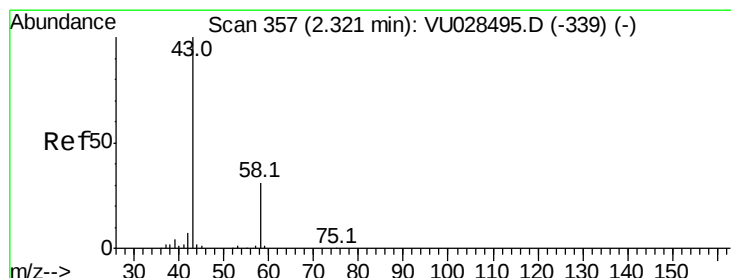
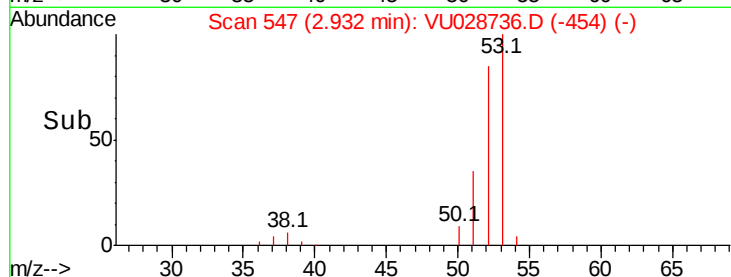
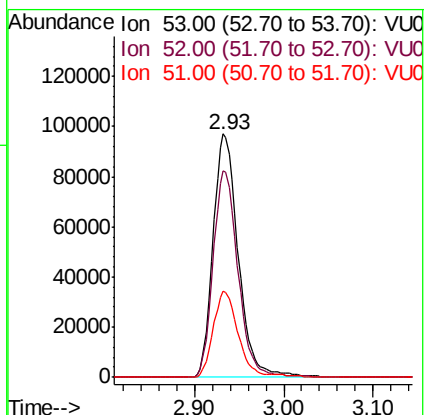
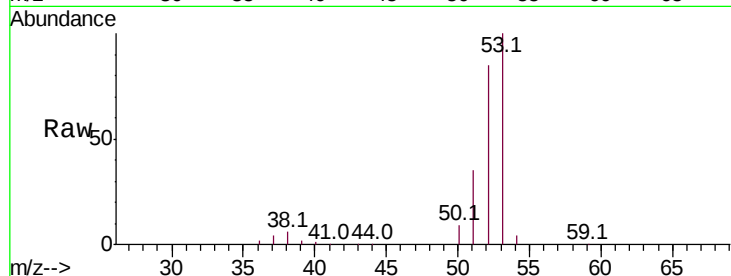
Tot Ion: 53 Resp: 190154

Ion Ratio Lower Upper

53 100

52 83.8 66.1 99.1

51 35.6 28.1 42.1



#16

Acetone

Concen: 209.038 ug/l

RT: 2.32 min Scan# 357

Delta R.T. -0.00 min

Lab File: VU028736.D

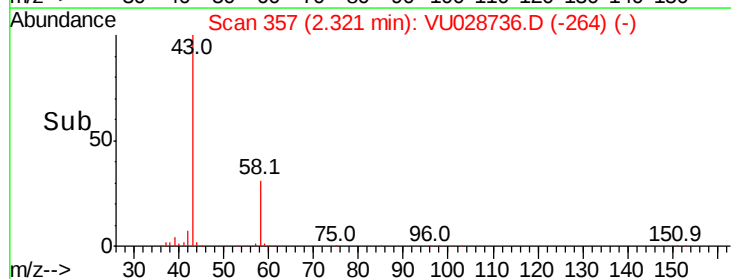
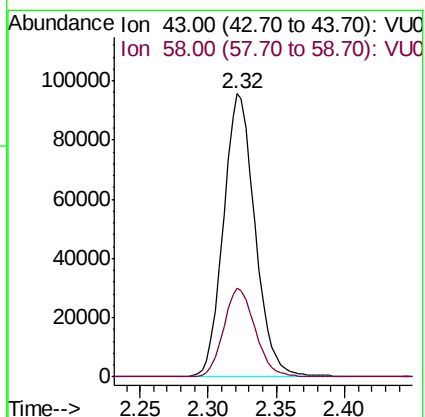
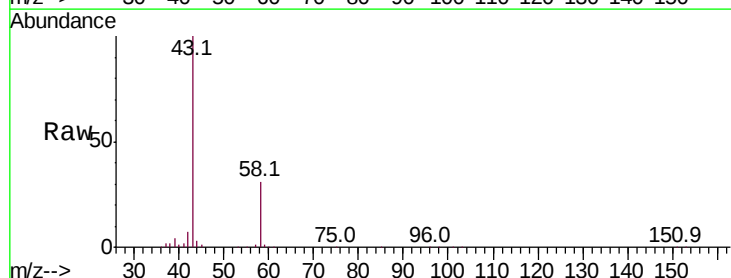
Acq: 17 Dec 2018 21:57

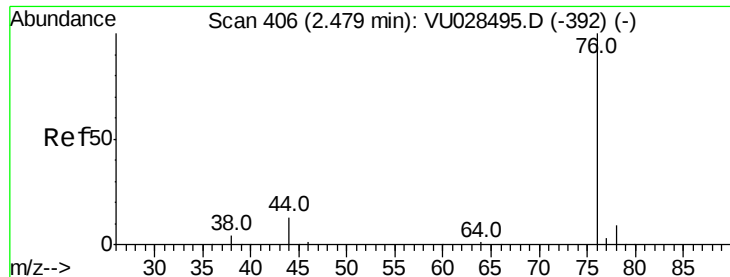
Tgt Ion: 43 Resp: 152188

Ion Ratio Lower Upper

43 100

58 31.2 24.6 37.0

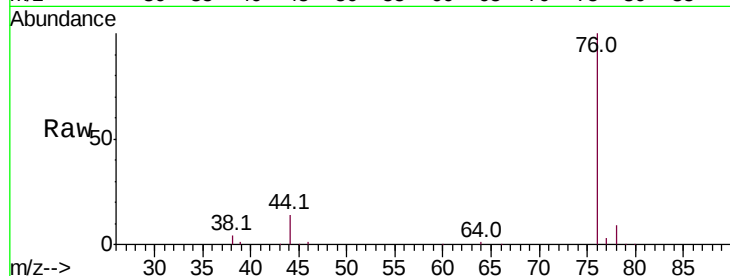




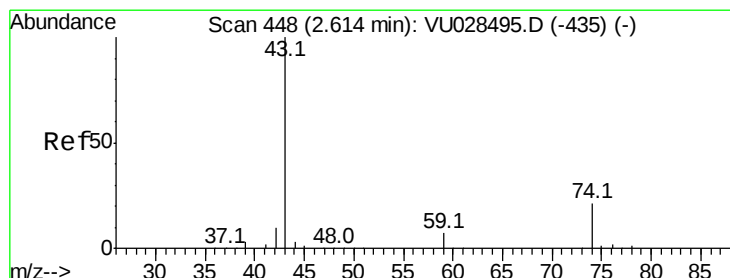
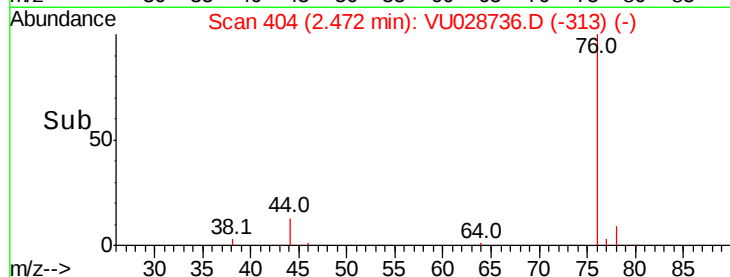
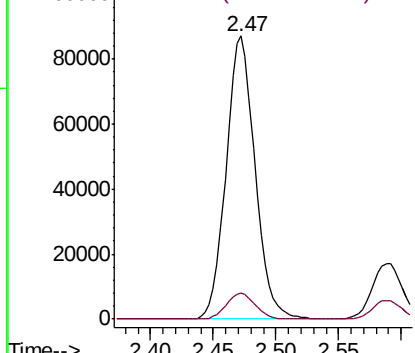
#17
Carbon Disulfide
Concen: 47.722 ug/l
RT: 2.47 min Scan# 404
Delta R.T. -0.01 min
Lab File: VU028736.D
Acq: 17 Dec 2018 21:57

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 76 Resp: 139940
Ion Ratio Lower Upper
76 100
78 9.4 7.2 10.8

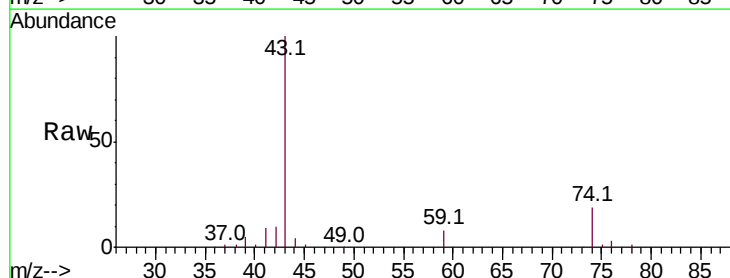


Abundance Ion 75.90 (75.60 to 76.60): VU0
Ion 77.90 (77.60 to 78.60): VU0

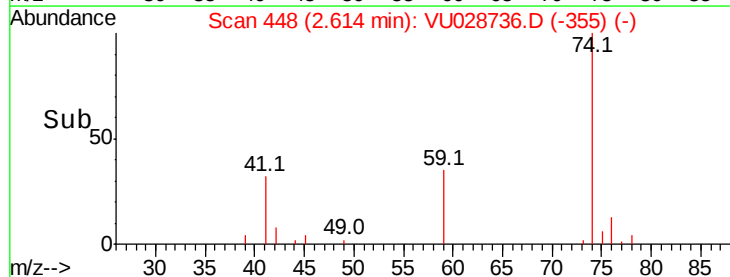
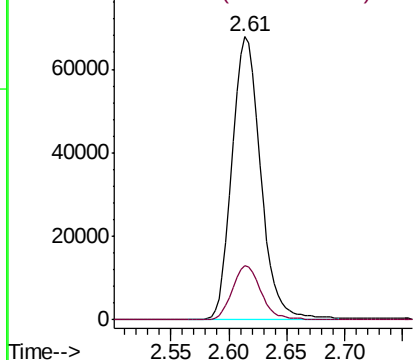


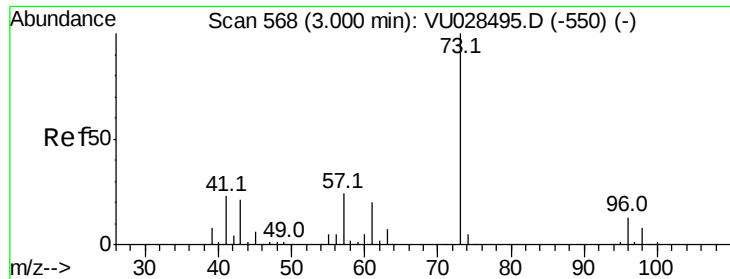
#18
Methyl Acetate
Concen: 61.453 ug/l
RT: 2.61 min Scan# 448
Delta R.T. -0.00 min
Lab File: VU028736.D
Acq: 17 Dec 2018 21:57

Tgt Ion: 43 Resp: 115978
Ion Ratio Lower Upper
43 100
74 19.2 16.4 24.6



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

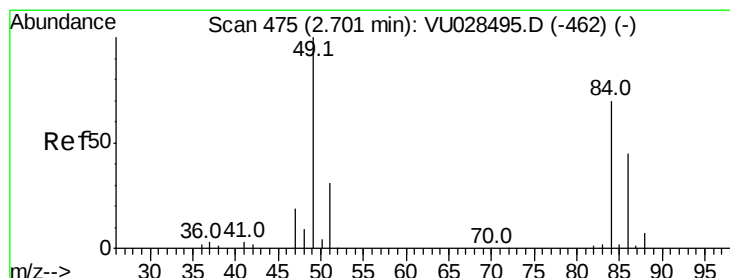
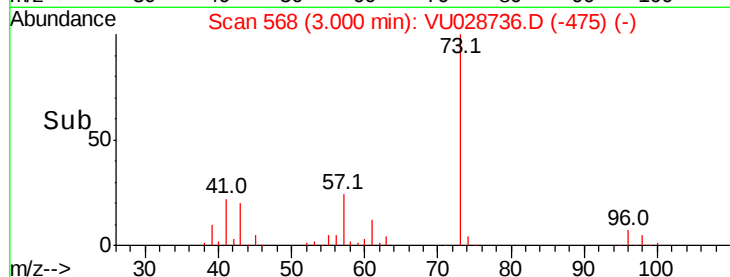
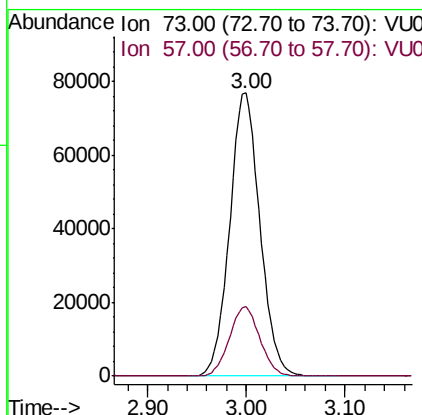
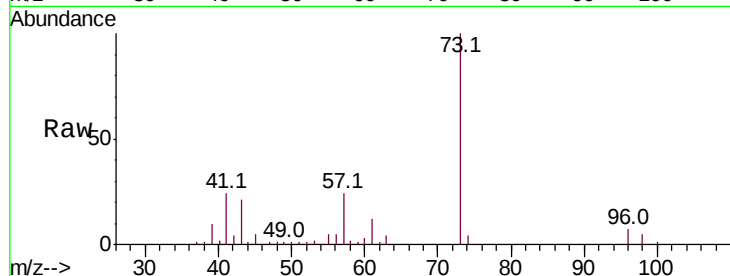




#19
Methvl tert-butvl Ether
Concen: 53.187 ug/l
RT: 3.00 min Scan# 568
Delta R.T. -0.00 min
Lab File: VU028736.D
Acq: 17 Dec 2018 21:57

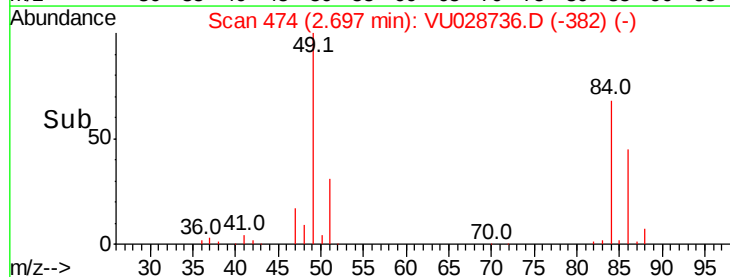
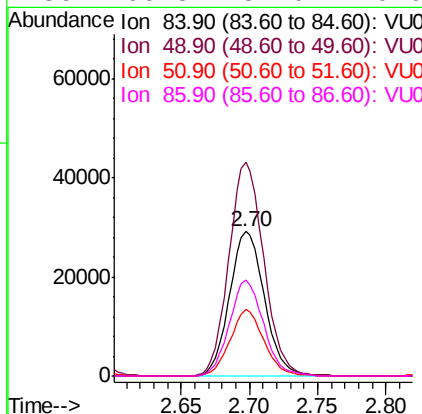
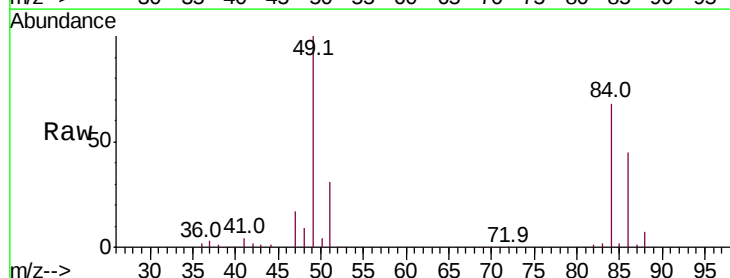
Instrument :
MSVOA_U
ClientSampleId :

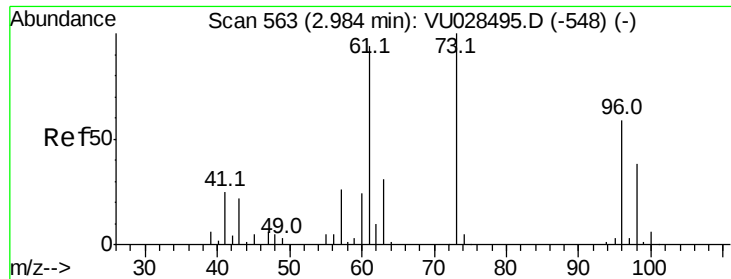
Tot Ion: 73 Resp: 164121
Ion Ratio Lower Upper
73 100
57 24.4 19.4 29.2



#20
Methylene Chloride
Concen: 48.552 ug/l
RT: 2.70 min Scan# 474
Delta R.T. -0.00 min
Lab File: VU028736.D
Acq: 17 Dec 2018 21:57

Tgt Ion: 84 Resp: 52108
Ion Ratio Lower Upper
84 100
49 148.0 114.0 171.0
51 45.9 35.1 52.7
86 66.3 51.0 76.6





#21

trans-1,2-Dichloroethene

Concen: 49.673 ug/l

RT: 2.98 min Scan# 561

Delta R.T. -0.01 min

Lab File: VU028736.D

Acq: 17 Dec 2018 21:57

Instrument :
MSVOA_U
ClientSampled :

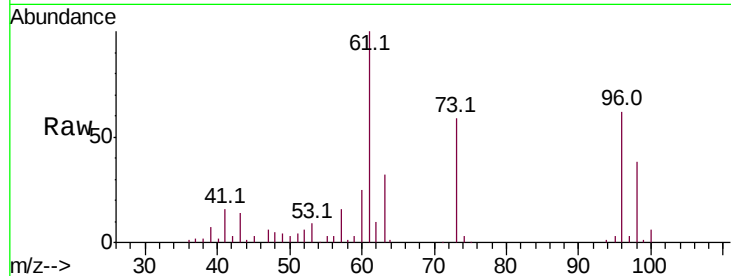
Tot Ion: 96 Resp: 45524

Ion Ratio Lower Upper

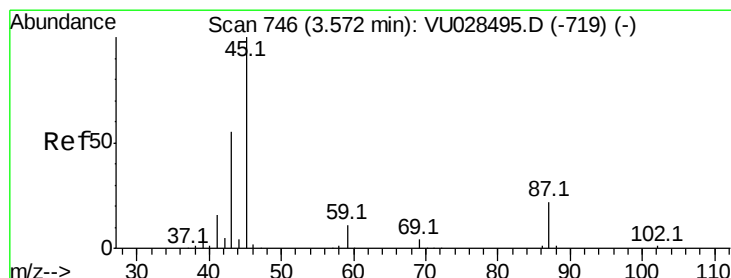
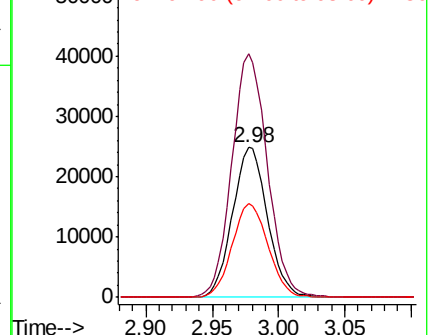
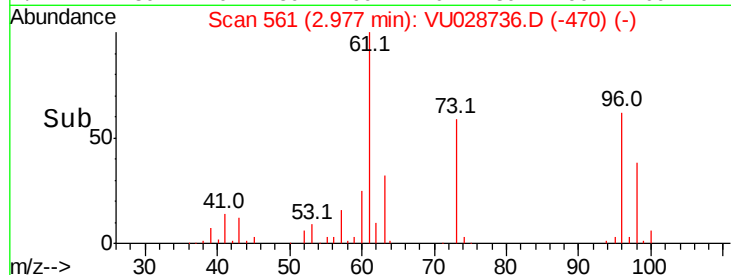
96 100

61 162.5 127.0 190.4

98 62.4 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: 55.400 ug/l

RT: 3.57 min Scan# 746

Delta R.T. -0.00 min

Lab File: VU028736.D

Acq: 17 Dec 2018 21:57

Tgt Ion: 45 Resp: 207455

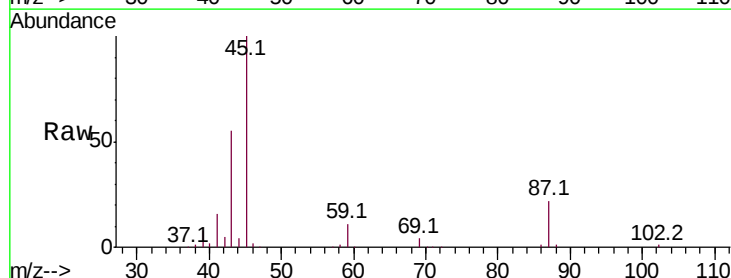
Ion Ratio Lower Upper

45 100

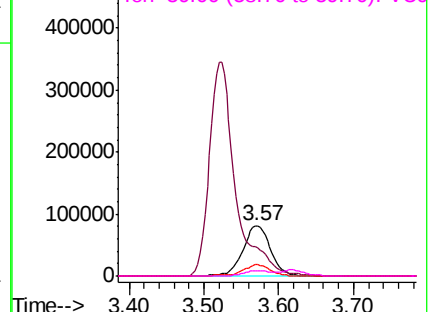
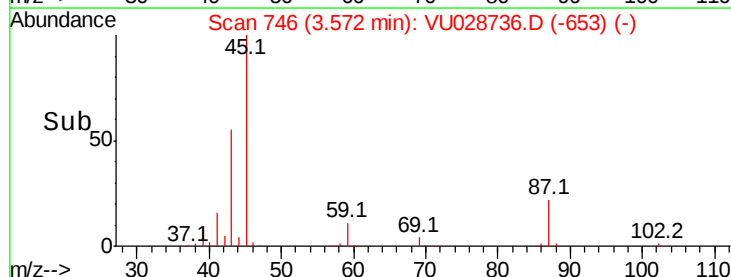
43 54.4 45.3 67.9

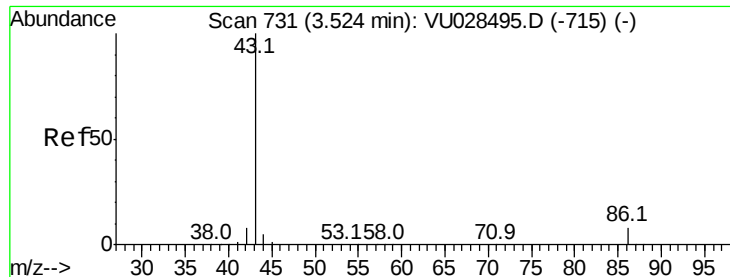
87 21.8 17.6 26.4

59 10.6 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: 270.771 ug/l

RT: 3.52 min Scan# 730

Delta R.T. -0.00 min

Lab File: VU028736.D

Acq: 17 Dec 2018 21:57

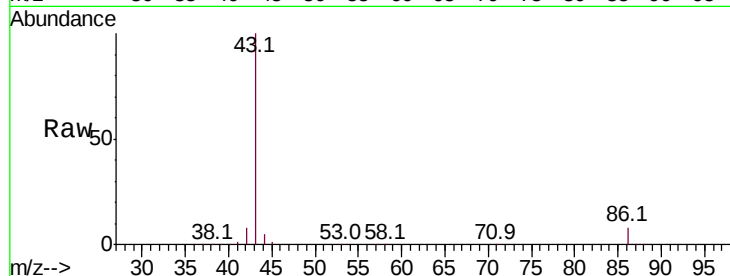
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 43 Resp: 836347

Ion Ratio Lower Upper

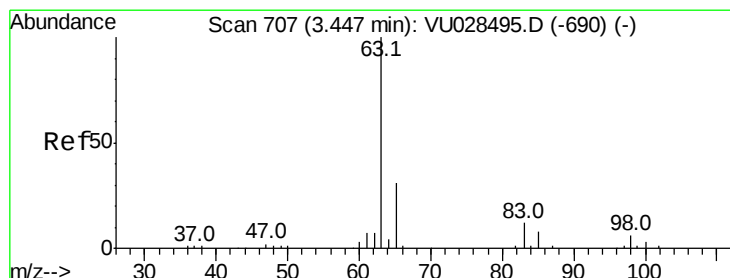
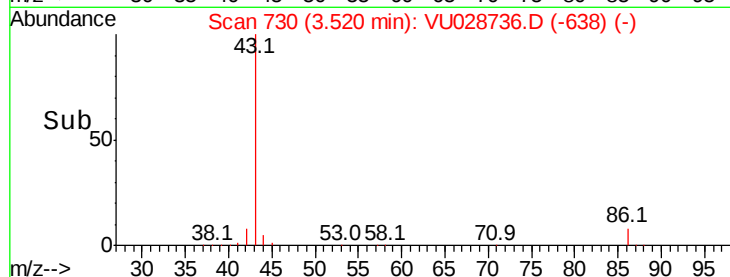
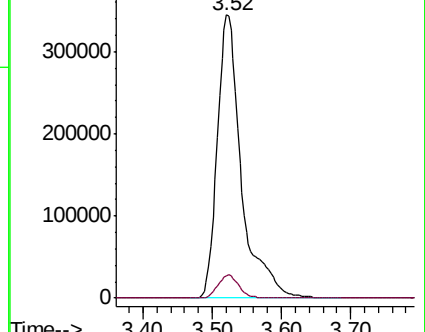
43 100

86 8.1 6.8 10.2



Abundance Ion 43.00 (42.70 to 43.70): VU028736.D (-638) (-)

Ion 86.00 (85.70 to 86.70): VU028736.D (-638) (-)



#24

1,1-Dichloroethane

Concen: 52.841 ug/l

RT: 3.44 min Scan# 706

Delta R.T. -0.00 min

Lab File: VU028736.D

Acq: 17 Dec 2018 21:57

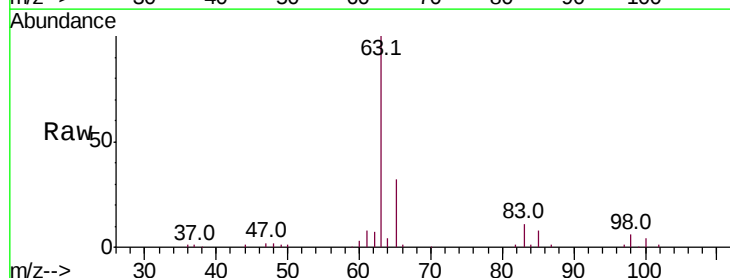
Tgt Ion: 63 Resp: 103578

Ion Ratio Lower Upper

63 100

98 6.0 3.0 9.2

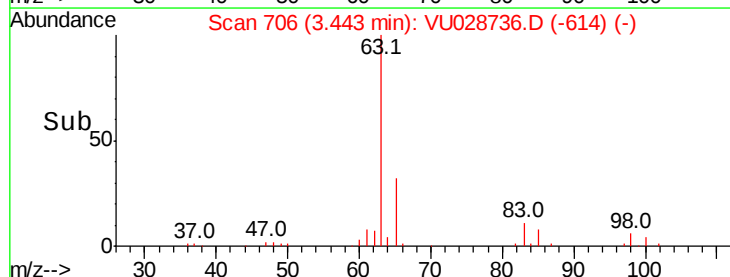
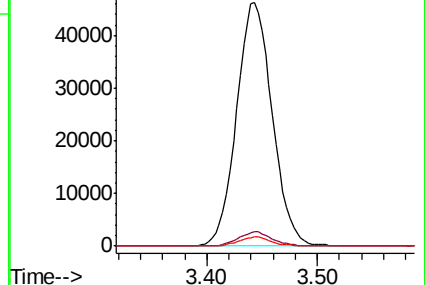
100 3.7 1.7 5.1

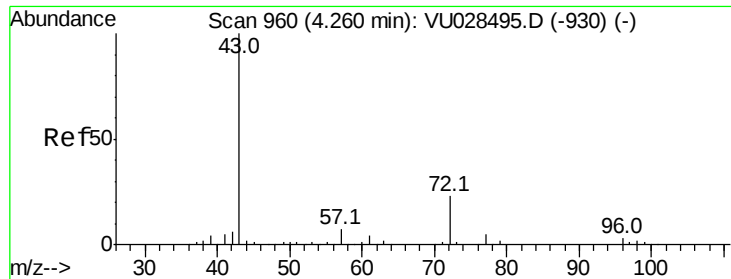


Abundance Ion 62.90 (62.60 to 63.60): VU028736.D (-614) (-)

Ion 97.90 (97.60 to 98.60): VU028736.D (-614) (-)

Ion 99.90 (99.60 to 100.60): VU028736.D (-614) (-)





#25

2-Butanone

Concen: 263.355 ug/l

RT: 4.26 min Scan# 960

Delta R.T. -0.00 min

Lab File: VU028736.D

Acq: 17 Dec 2018 21:57

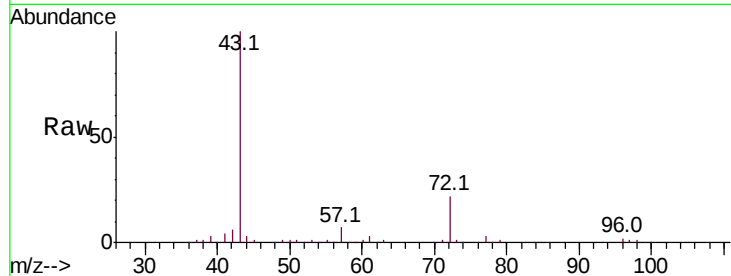
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 43 Resp: 262022

Ion Ratio Lower Upper

43 100

72 22.5 18.6 28.0



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 72.00 (71.70 to 72.70): VU0

4.26

120000

100000

80000

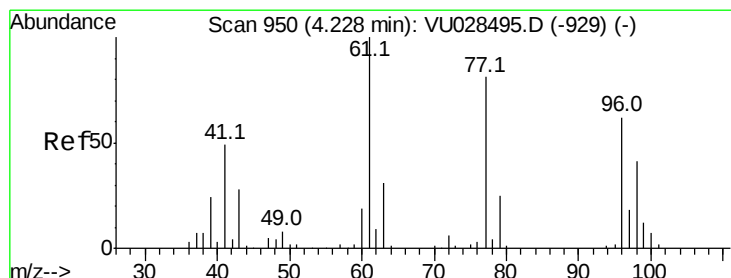
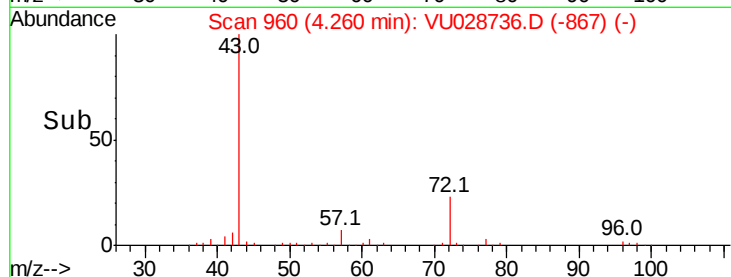
60000

40000

20000

0

Time-->



#26

2,2-Dichloropropane

Concen: 47.188 ug/l

RT: 4.22 min Scan# 949

Delta R.T. -0.00 min

Lab File: VU028736.D

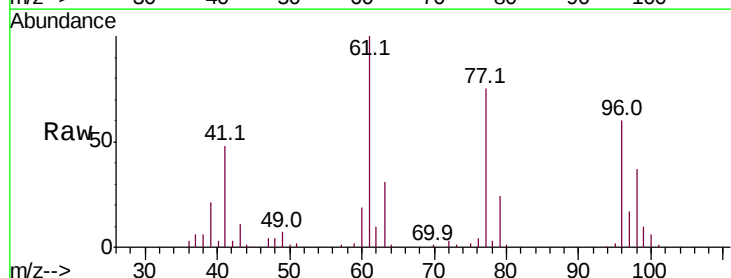
Acq: 17 Dec 2018 21:57

Tgt Ion: 77 Resp: 73291

Ion Ratio Lower Upper

77 100

97 21.9 11.0 33.0



Abundance Ion 76.90 (76.60 to 77.60): VU0

Ion 96.90 (96.60 to 97.60): VU0

4.22

30000

25000

20000

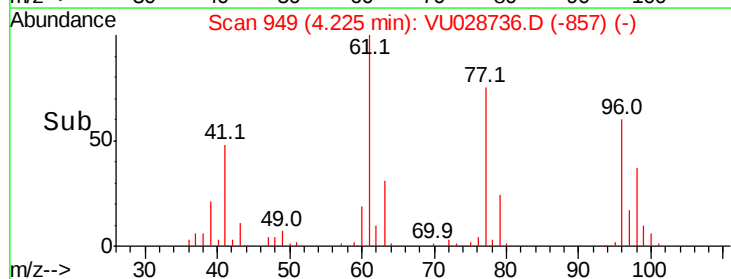
15000

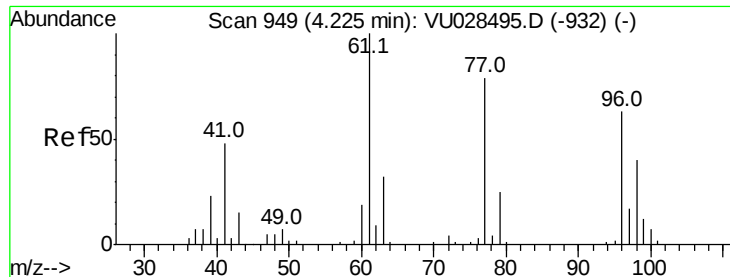
10000

5000

0

Time-->



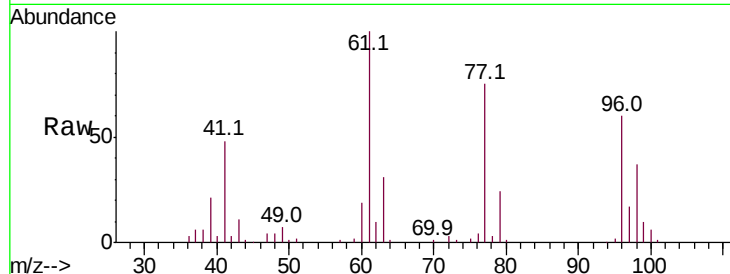


#27

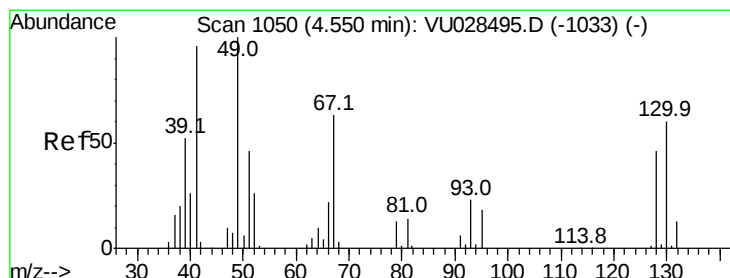
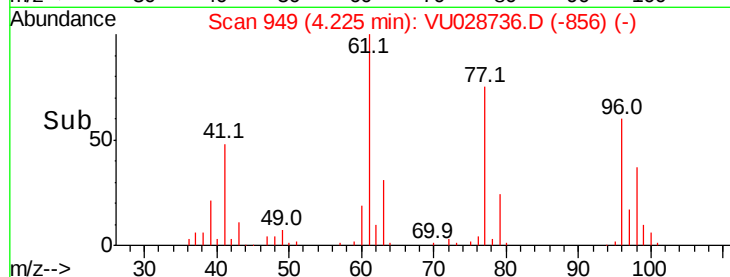
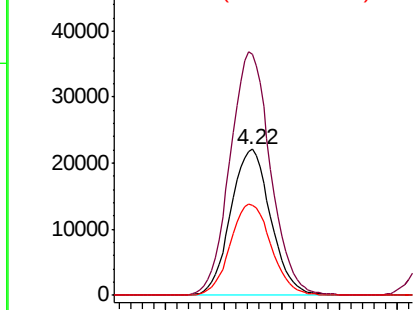
cis-1,2-Dichloroethene
Concen: 51.375 ug/l
RT: 4.22 min Scan# 949
Delta R.T. -0.00 min
Lab File: VU028736.D
Acq: 17 Dec 2018 21:57

Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 96 Resp: 53292
Ion Ratio Lower Upper
96 100
61 168.3 0.0 332.4
98 63.7 0.0 129.0



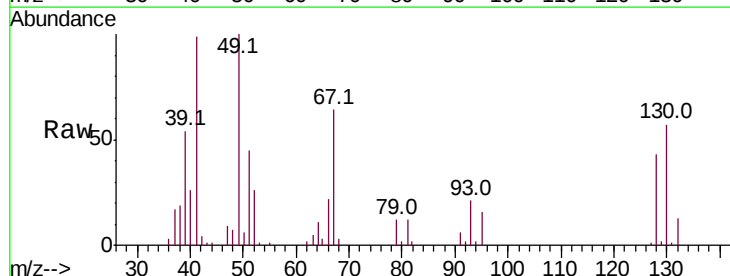
Abundance Ion 95.90 (95.60 to 96.60): VU0
Ion 60.90 (60.60 to 61.60): VU0
Ion 97.90 (97.60 to 98.60): VU0



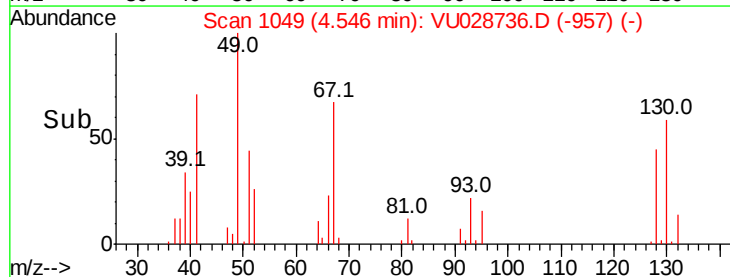
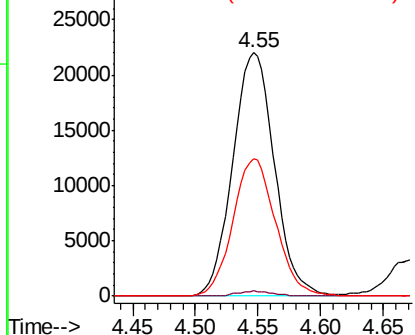
#28

Bromochloromethane
Concen: 57.156 ug/l
RT: 4.55 min Scan# 1049
Delta R.T. -0.00 min
Lab File: VU028736.D
Acq: 17 Dec 2018 21:57

Tgt Ion: 49 Resp: 50932
Ion Ratio Lower Upper
49 100
129 1.6 0.0 3.0
130 57.6 47.8 71.8



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





#29

Tetrahydrofuran

Concen: 279.792 ug/l

RT: 4.64 min Scan# 1077

Delta R.T. -0.00 min

Lab File: VU028736.D

Acq: 17 Dec 2018 21:57

Instrument :

MSVOA_U

ClientSampleId :

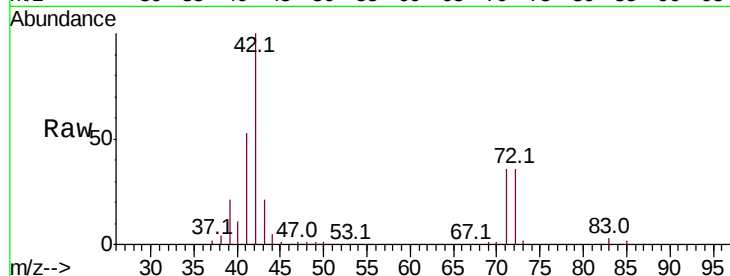
Tot Ion: 42 Resp: 178784

Ion Ratio Lower Upper

42 100

72 37.5 31.4 47.0

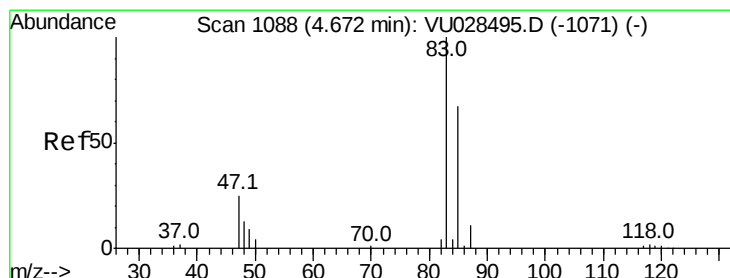
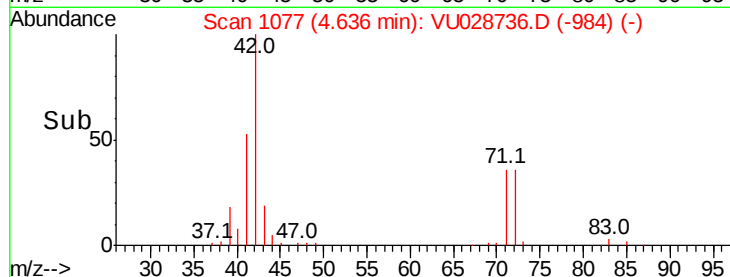
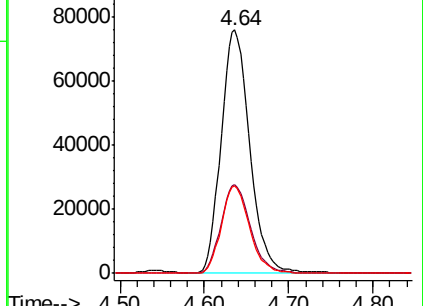
71 35.4 28.6 43.0



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: 53.537 ug/l

RT: 4.67 min Scan# 1088

Delta R.T. -0.00 min

Lab File: VU028736.D

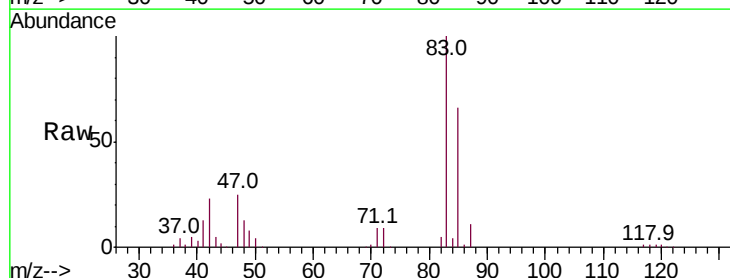
Acq: 17 Dec 2018 21:57

Tgt Ion: 83 Resp: 91464

Ion Ratio Lower Upper

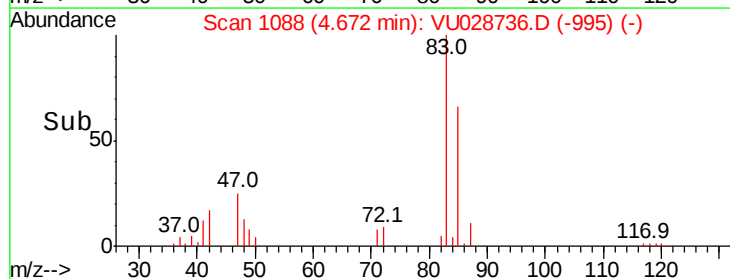
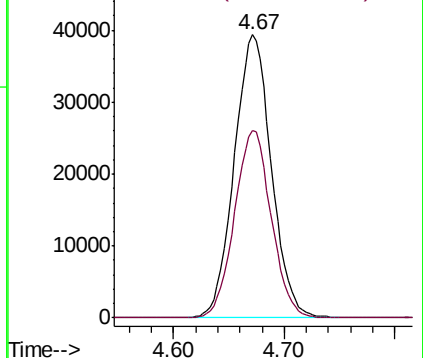
83 100

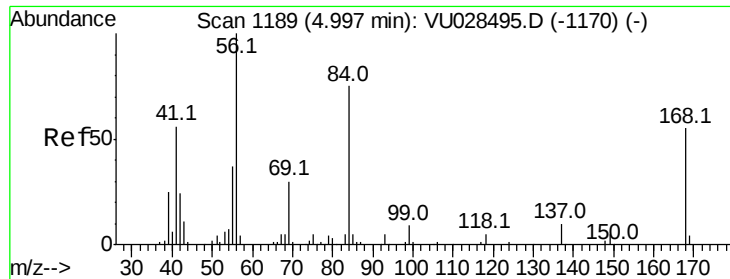
85 66.2 53.6 80.4



Abundance Ion 82.90 (82.60 to 83.60): VU0

Ion 84.90 (84.60 to 85.60): VU0

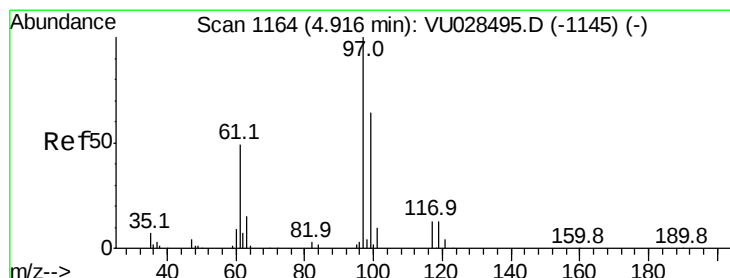
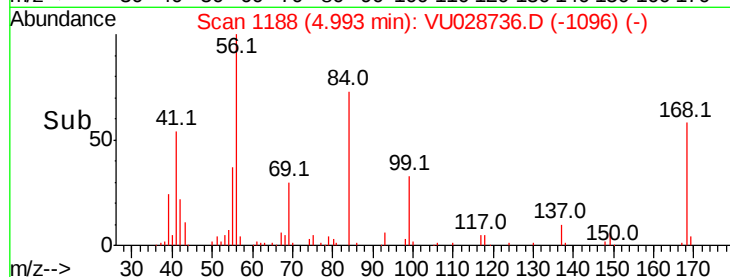
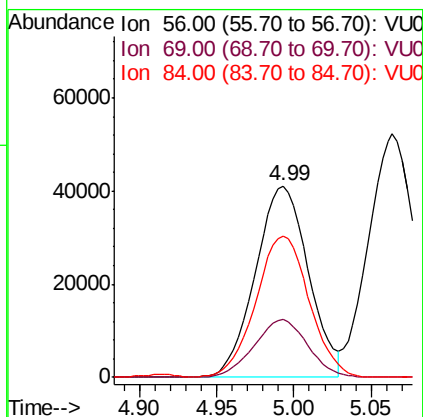
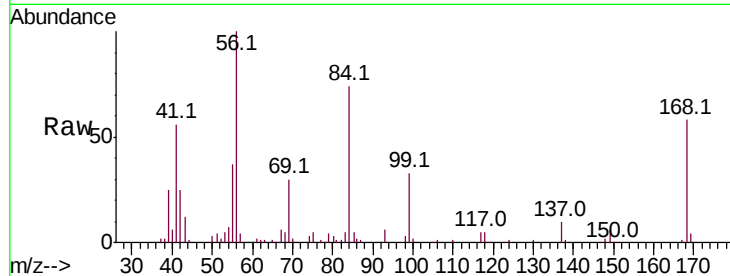




#31
Cyclohexane
Concen: 51.338 ug/l
RT: 4.99 min Scan# 1188
Delta R.T. -0.00 min
Lab File: VU028736.D
Acq: 17 Dec 2018 21:57

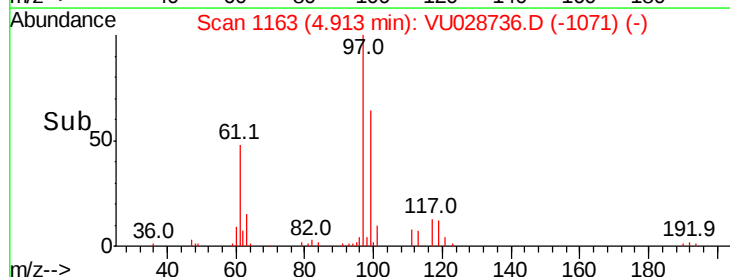
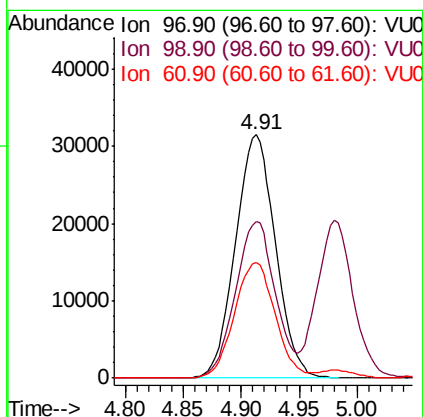
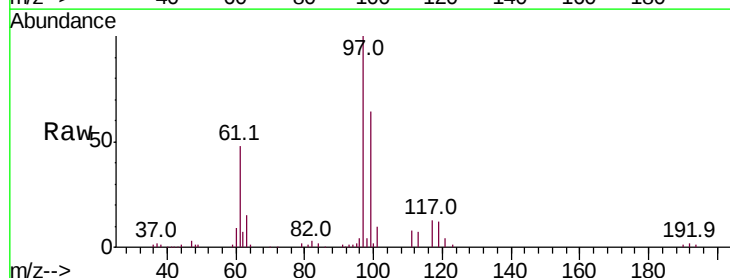
Instrument :
MSVOA_U
ClientSampled :

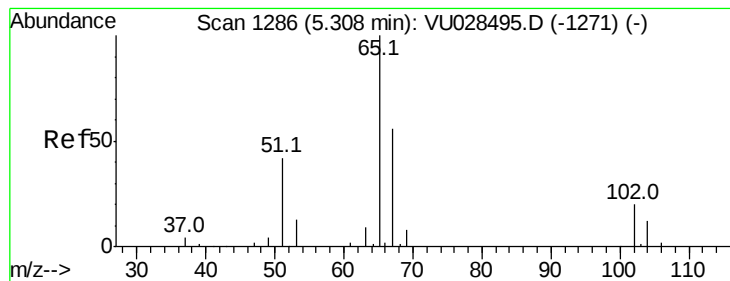
Tot Ion: 56 Resp: 98141
Ion Ratio Lower Upper
56 100
69 30.2 24.0 36.0
84 73.3 59.7 89.5



#32
1,1,1-Trichloroethane
Concen: 53.136 ug/l
RT: 4.91 min Scan# 1163
Delta R.T. -0.00 min
Lab File: VU028736.D
Acq: 17 Dec 2018 21:57

Tgt Ion: 97 Resp: 75395
Ion Ratio Lower Upper
97 100
99 64.3 52.3 78.5
61 48.7 39.0 58.6





#33

1,2-Dichloroethane-d4

Concen: 52.119 ug/l

RT: 5.30 min Scan# 1285

Delta R.T. -0.00 min

Lab File: VU028736.D

Acq: 17 Dec 2018 21:57

Instrument :

MSVOA_U

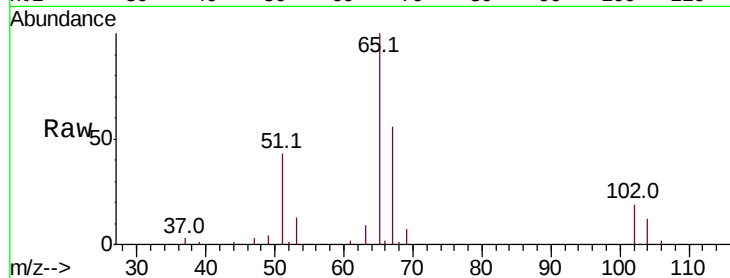
ClientSampleId :

Tot Ion: 65 Resp: 58149

Ion Ratio Lower Upper

65 100

67 56.1 0.0 110.6

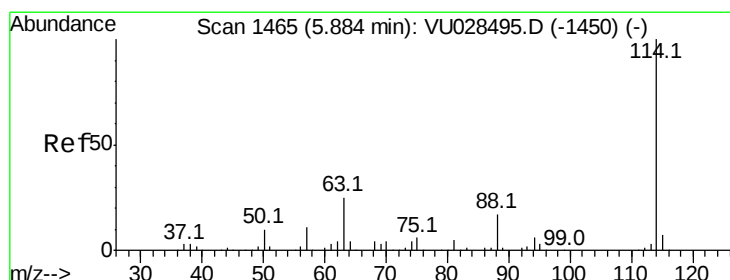
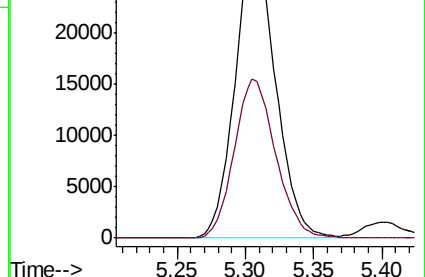
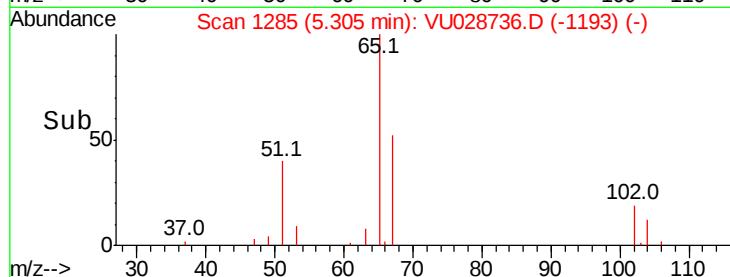


Abundance Ion 64.90 (64.60 to 65.60): VU028495.D (-1271) (-)

Ion 66.90 (66.60 to 67.60): VU028495.D (-1271) (-)

5.30

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.88 min Scan# 1465

Delta R.T. -0.00 min

Lab File: VU028736.D

Acq: 17 Dec 2018 21:57

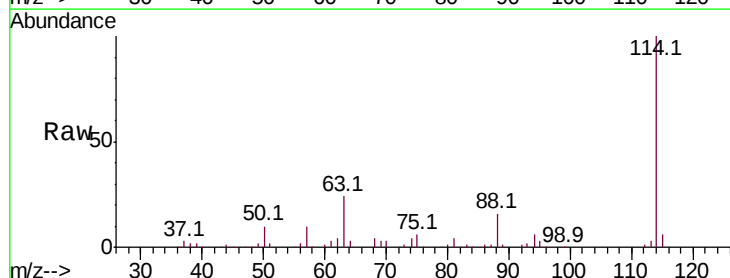
Tgt Ion: 114 Resp: 131246

Ion Ratio Lower Upper

114 100

63 24.4 0.0 49.2

88 16.4 0.0 33.4



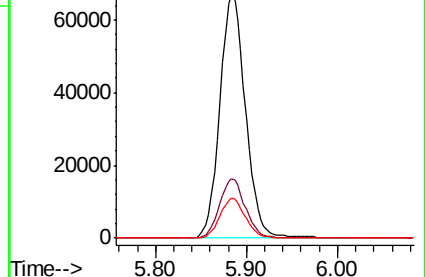
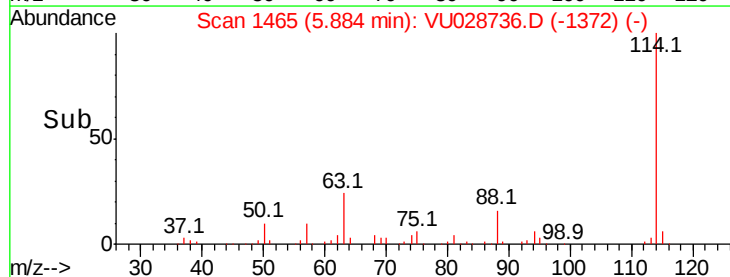
Abundance Ion 113.90 (113.60 to 114.60): VU028495.D (-1450) (-)

Ion 63.00 (62.70 to 63.70): VU028495.D (-1450) (-)

Ion 87.90 (87.60 to 88.60): VU028495.D (-1450) (-)

5.88

Time-->





#35

Dibromofluoromethane

Concen: 52.907 ug/l

RT: 4.88 min Scan# 1153

Delta R.T. -0.00 min

Lab File: VU028736.D

Acq: 17 Dec 2018 21:57

Instrument :

MSVOA_U

ClientSampled :

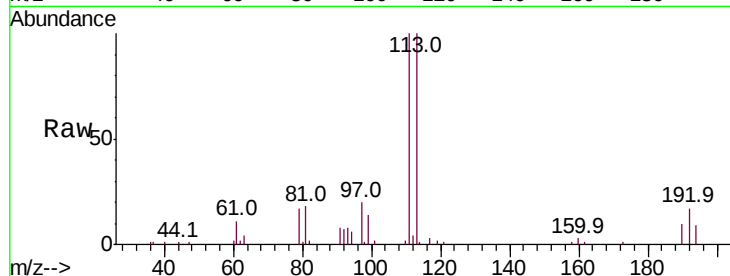
Tot Ion:113 Resp: 43698

Ion Ratio Lower Upper

113 100

111 102.1 83.4 125.0

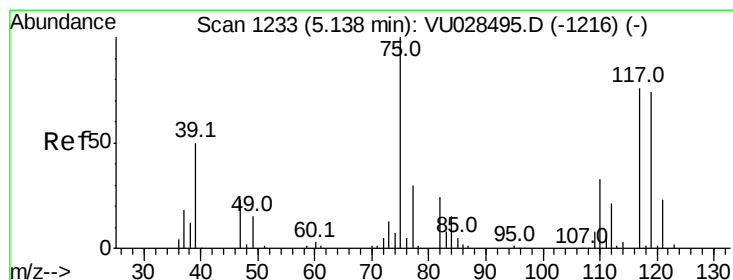
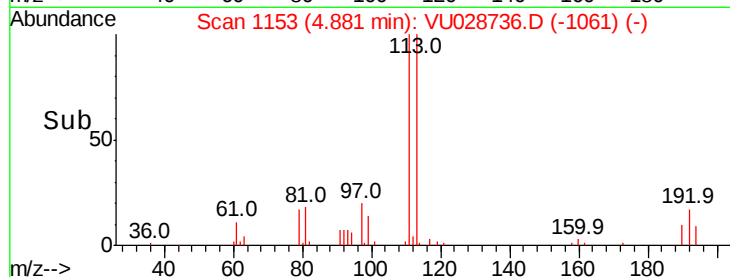
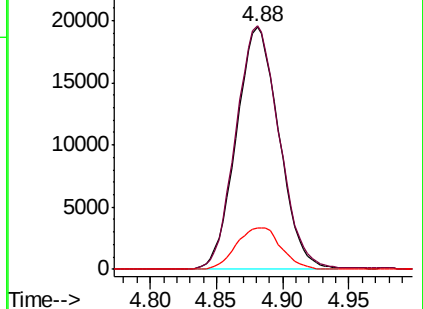
192 17.9 14.8 22.2



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: 49.251 ug/l

RT: 5.13 min Scan# 1232

Delta R.T. -0.00 min

Lab File: VU028736.D

Acq: 17 Dec 2018 21:57

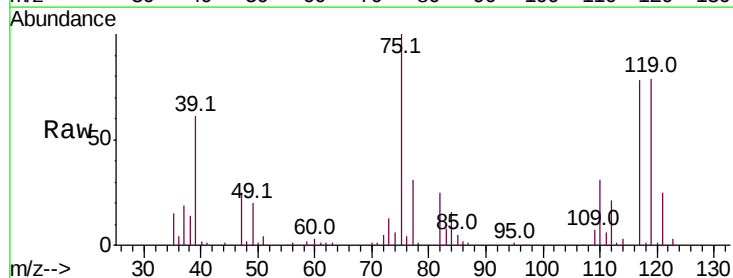
Tgt Ion: 75 Resp: 70735

Ion Ratio Lower Upper

75 100

110 31.1 16.1 48.2

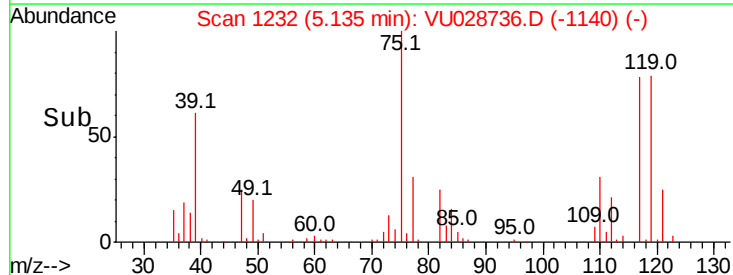
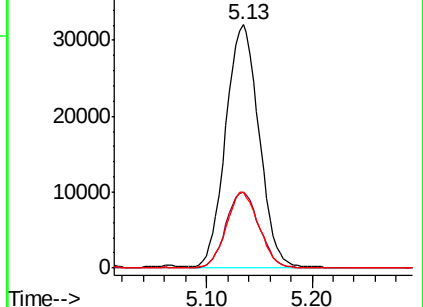
77 30.3 24.5 36.7

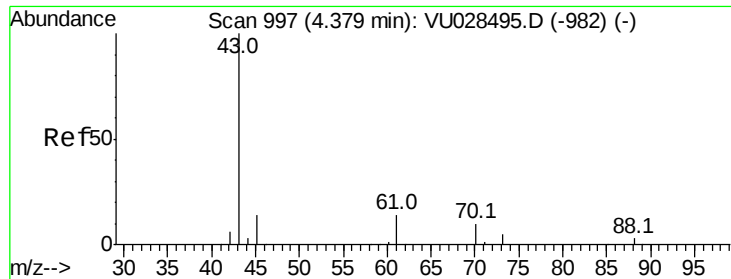


Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VU0

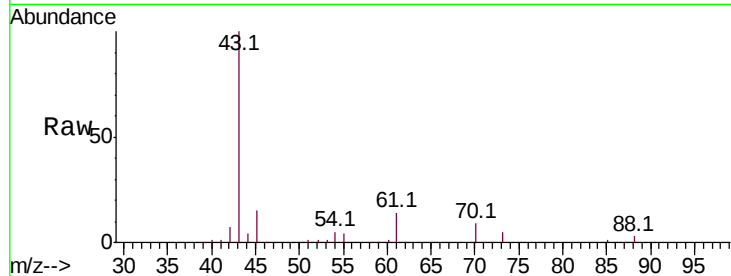




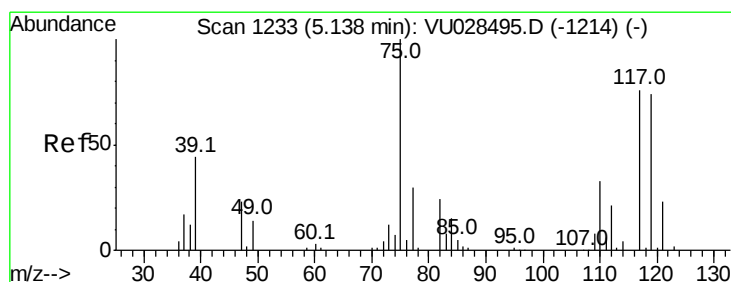
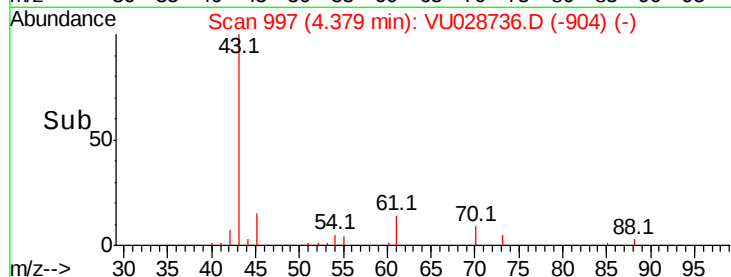
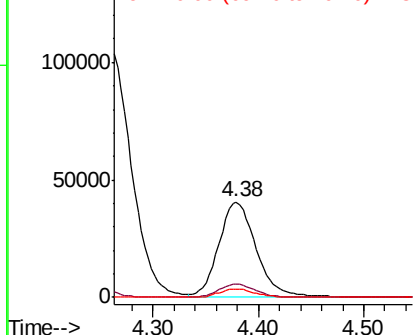
#37
Ethyl Acetate
Concen: 52.715 ug/l
RT: 4.38 min Scan# 997
Delta R.T. -0.00 min
Lab File: VU028736.D
Acq: 17 Dec 2018 21:57

Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 43 Resp: 97871
Ion Ratio Lower Upper
43 100
61 13.8 11.0 16.4
70 8.7 7.4 11.0

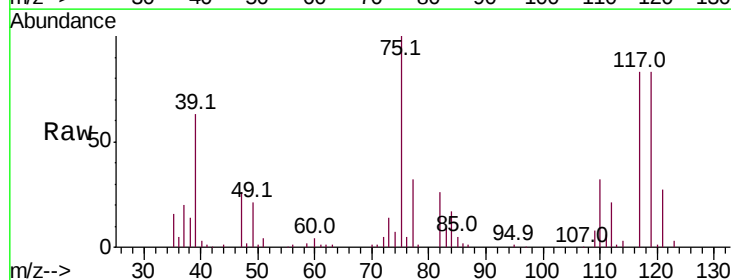


Abundance Ion 43.00 (42.70 to 43.70): VU0
Ion 60.90 (60.60 to 61.60): VU0
Ion 70.00 (69.70 to 70.70): VU0

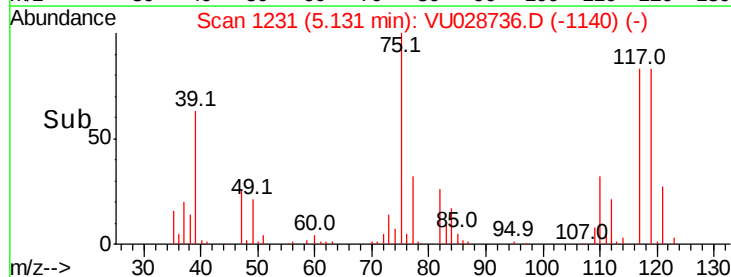
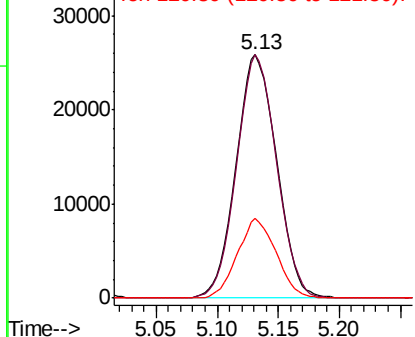


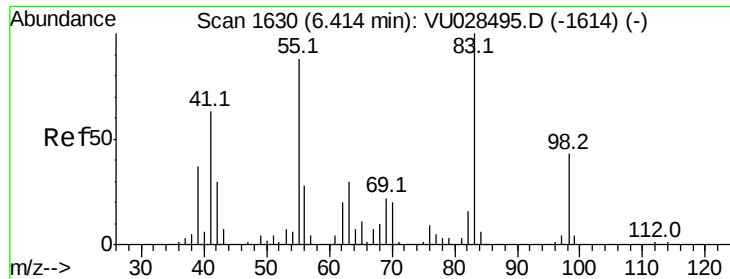
#38
Carbon Tetrachloride
Concen: 51.384 ug/l
RT: 5.13 min Scan# 1231
Delta R.T. -0.01 min
Lab File: VU028736.D
Acq: 17 Dec 2018 21:57

Tgt Ion: 117 Resp: 59481
Ion Ratio Lower Upper
117 100
119 99.9 77.6 116.4
121 32.7 24.6 36.8



Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

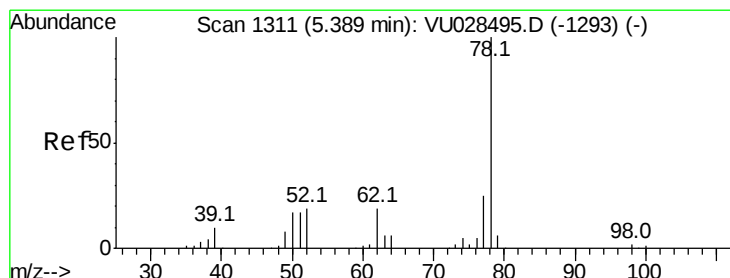
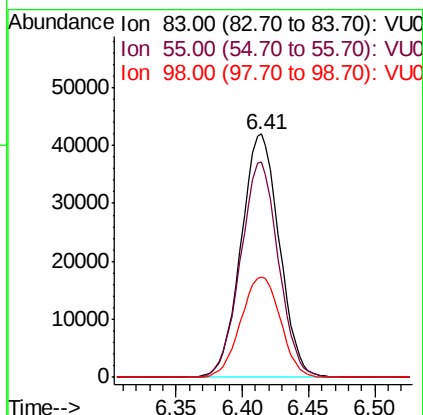
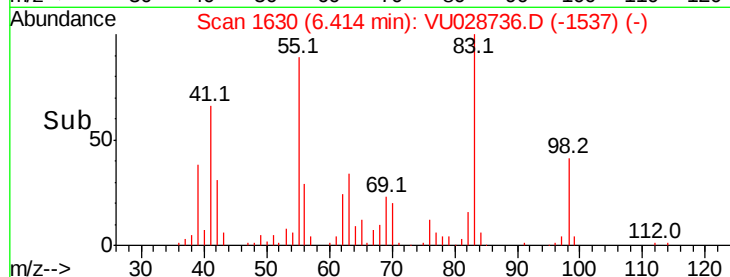
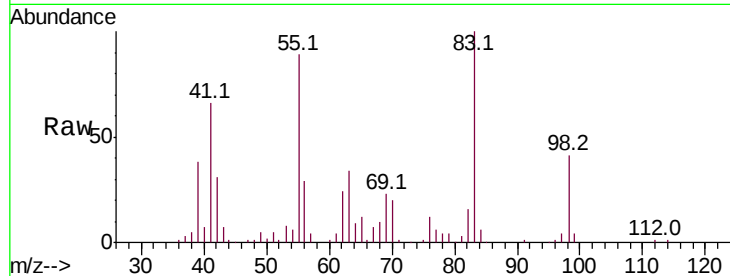




#39
Methvlcvclohexane
Concen: 47.984 ug/l
RT: 6.41 min Scan# 1630
Delta R.T. -0.00 min
Lab File: VU028736.D
Acq: 17 Dec 2018 21:57

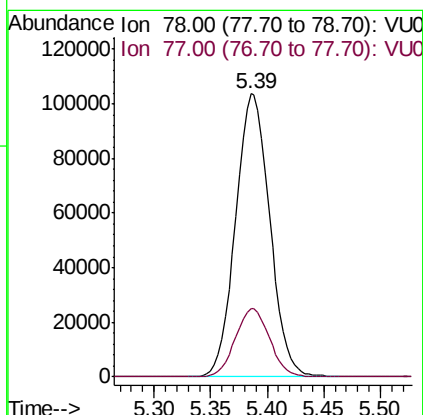
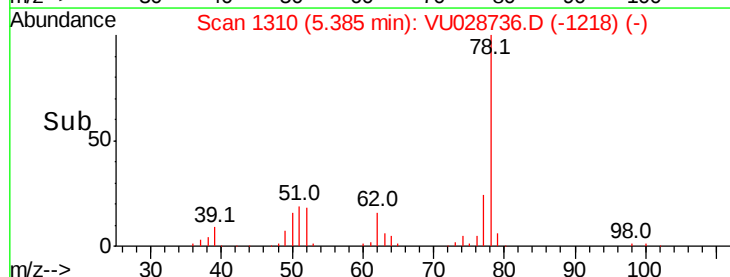
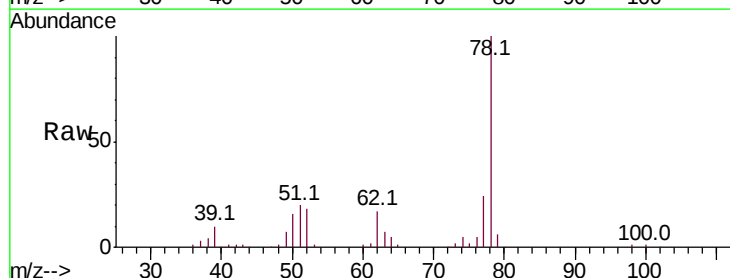
Instrument :
MSVOA_U
ClientSampled :

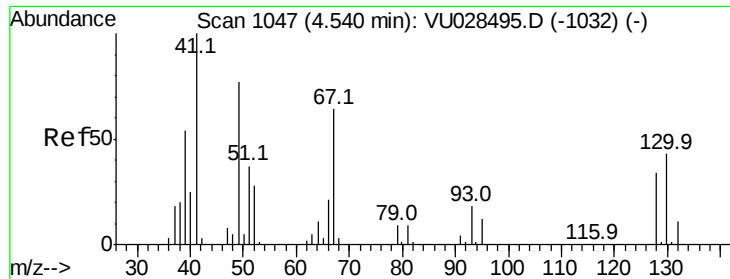
Tot Ion: 83 Resp: 84075
Ion Ratio Lower Upper
83 100
55 88.6 70.2 105.2
98 41.4 34.2 51.4



#40
Benzene
Concen: 51.677 ug/l
RT: 5.39 min Scan# 1310
Delta R.T. -0.00 min
Lab File: VU028736.D
Acq: 17 Dec 2018 21:57

Tgt Ion: 78 Resp: 218589
Ion Ratio Lower Upper
78 100
77 24.0 19.9 29.9

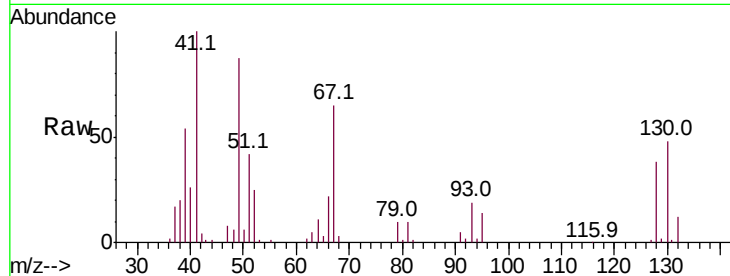




#41
Methacrylonitrile
Concen: 55.433 ug/l
RT: 4.54 min Scan# 1047
Delta R.T. -0.00 min
Lab File: VU028736.D
Acq: 17 Dec 2018 21:57

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion:	41	Resp:	56362
Ion	Ratio	Lower	Upper
41	100		
39	53.1	43.3	64.9
67	64.4	53.6	80.4
52	26.1	22.1	33.1



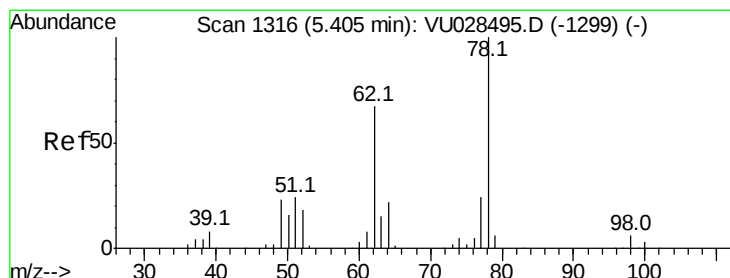
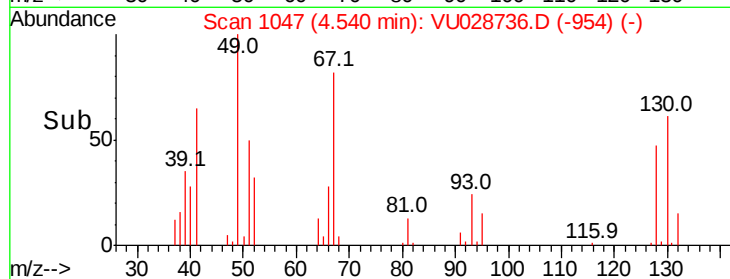
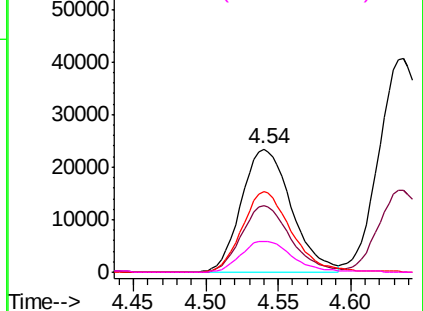
Abundance

Ion 41.00 (40.70 to 41.70): VU0

Ion 39.00 (38.70 to 39.70): VU0

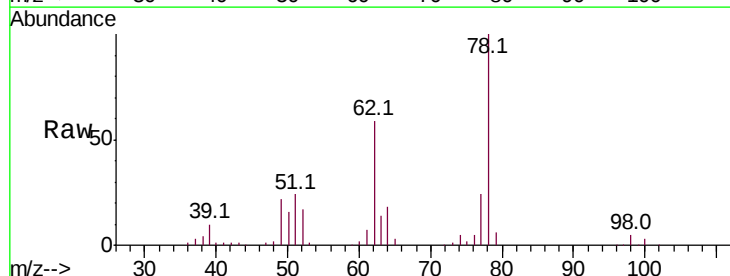
Ion 67.00 (66.70 to 67.70): VU0

Ion 52.00 (51.70 to 52.70): VU0



#42
1,2-Dichloroethane
Concen: 51.961 ug/l
RT: 5.40 min Scan# 1315
Delta R.T. -0.00 min
Lab File: VU028736.D
Acq: 17 Dec 2018 21:57

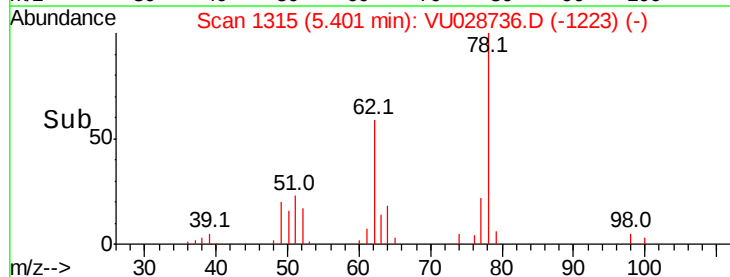
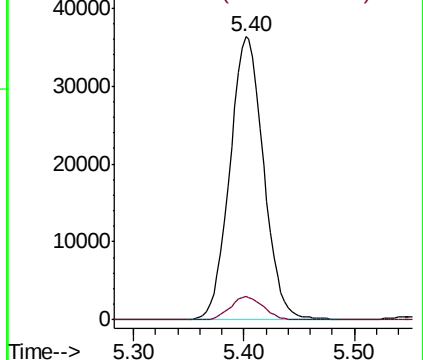
Tgt Ion:	62	Resp:	76936
Ion	Ratio	Lower	Upper
62	100		
98	8.0	0.0	17.2

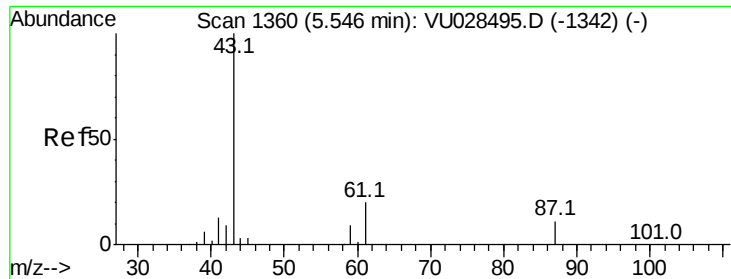


Abundance

Ion 61.90 (61.60 to 62.60): VU0

Ion 97.90 (97.60 to 98.60): VU0





#43

Isopropyl Acetate

Concen: 54.279 ug/l

RT: 5.55 min Scan# 1360

Delta R.T. -0.00 min

Lab File: VU028736.D

Acq: 17 Dec 2018 21:57

Instrument :
MSVOA_U
ClientSampled :

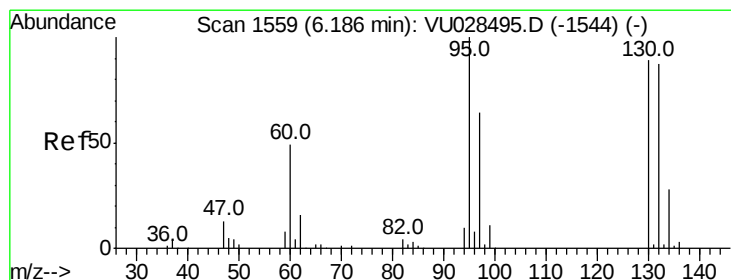
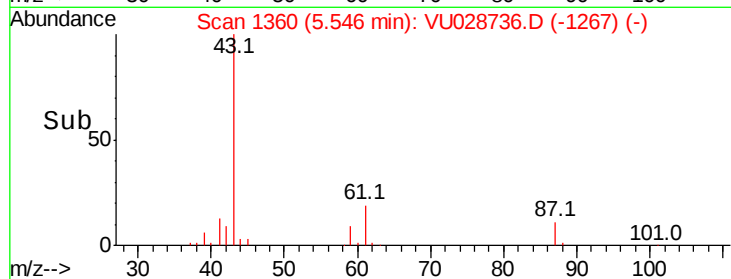
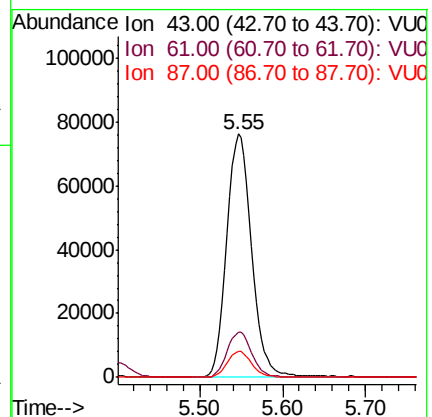
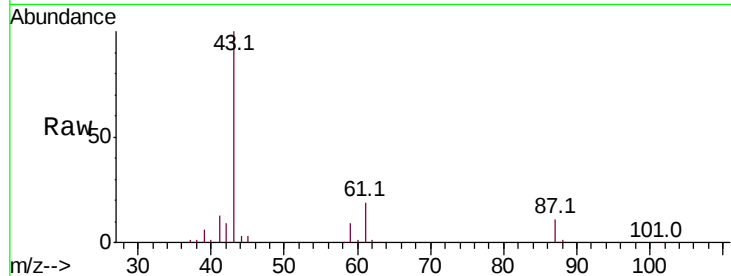
Tot Ion: 43 Resp: 159395

Ion Ratio Lower Upper

43 100

61 18.4 15.5 23.3

87 10.5 8.7 13.1



#44

Trichloroethene

Concen: 50.130 ug/l

RT: 6.18 min Scan# 1558

Delta R.T. -0.00 min

Lab File: VU028736.D

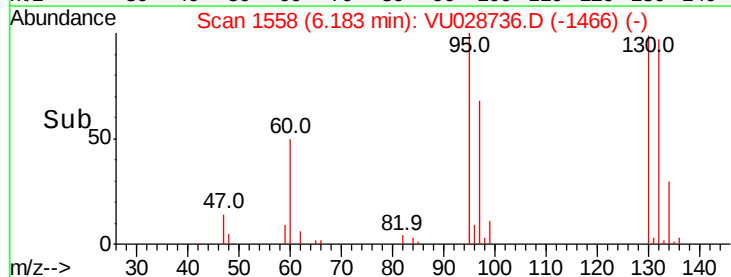
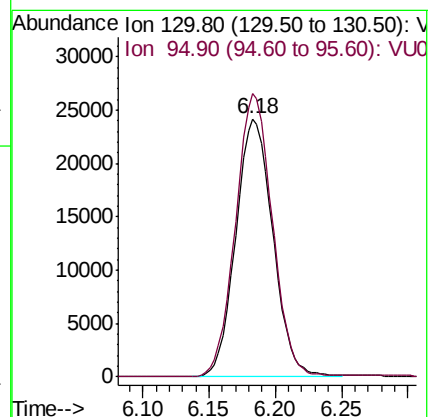
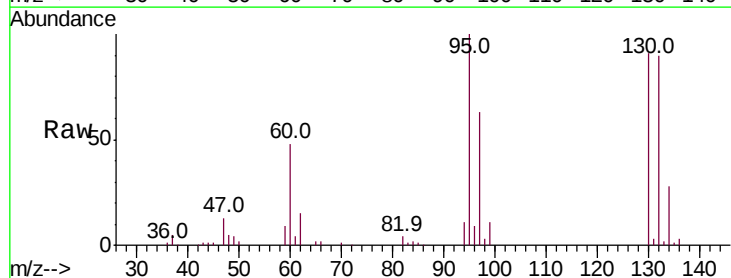
Acq: 17 Dec 2018 21:57

Tgt Ion:130 Resp: 47148

Ion Ratio Lower Upper

130 100

95 109.7 0.0 224.0





#45

1,2-Dichloropropane

Concen: 54.184 ug/l

RT: 6.43 min Scan# 1635

Delta R.T. -0.00 min

Lab File: VU028736.D

Acq: 17 Dec 2018 21:57

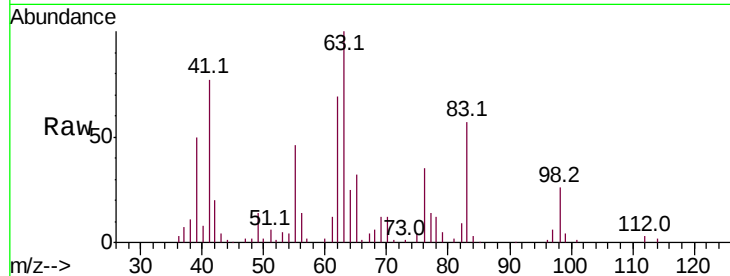
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 63 Resp: 64452

Ion Ratio Lower Upper

63 100

65 32.4 24.2 36.4



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

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

6.43

30000

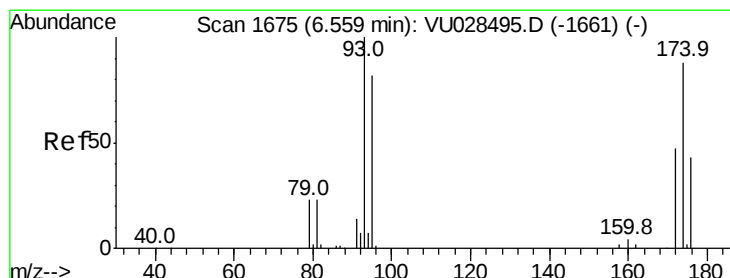
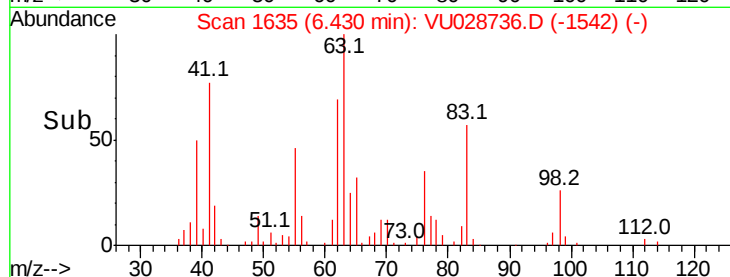
20000

10000

0

6.35 6.40 6.45 6.50

Time-->



#46

Dibromomethane

Concen: 52.792 ug/l

RT: 6.56 min Scan# 1674

Delta R.T. -0.00 min

Lab File: VU028736.D

Acq: 17 Dec 2018 21:57

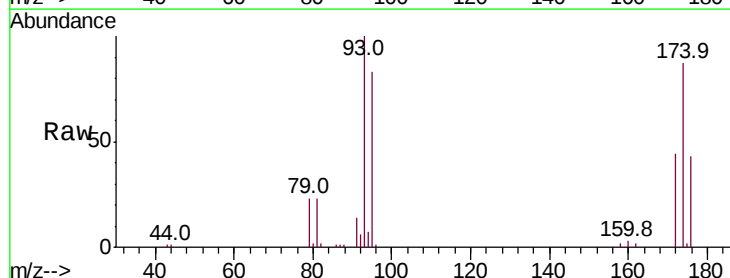
Tgt Ion: 93 Resp: 37259

Ion Ratio Lower Upper

93 100

95 82.8 65.4 98.2

174 89.1 72.2 108.4



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

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

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

6.56

25000

20000

15000

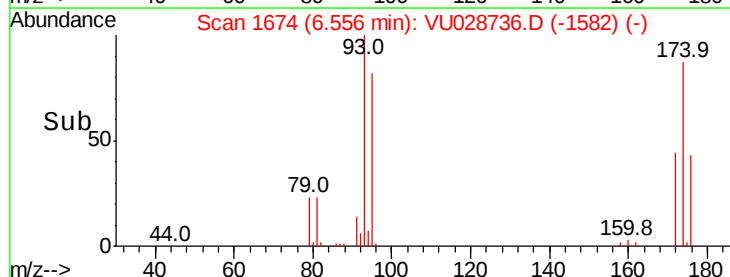
10000

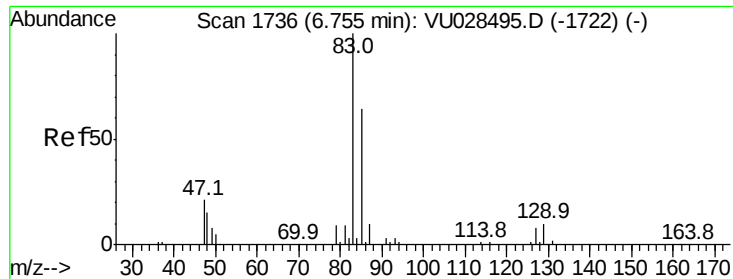
5000

0

6.50 6.55 6.60 6.65

Time-->

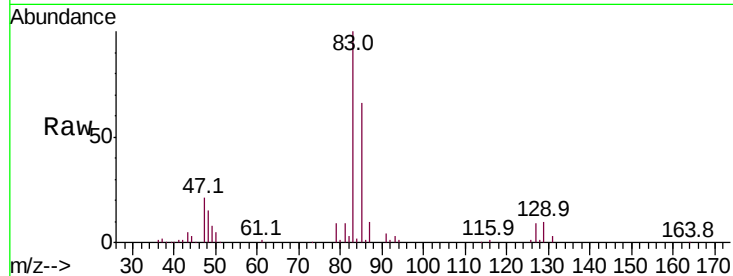




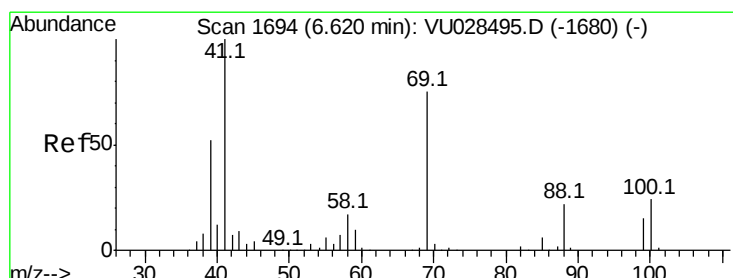
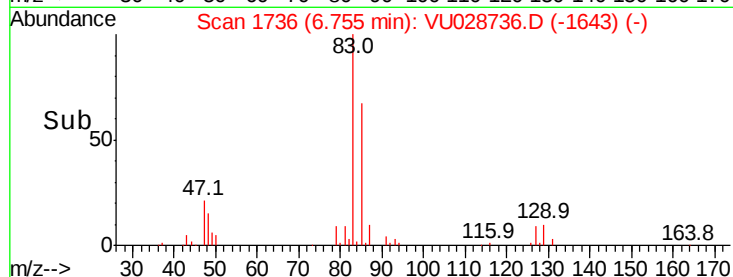
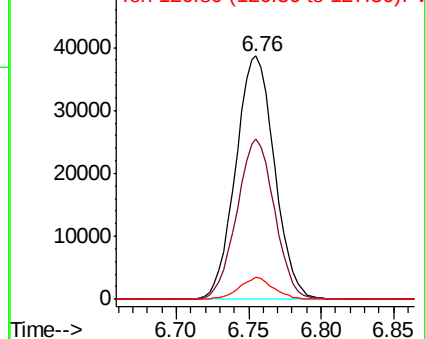
#47
Bromodichloromethane
Concen: 52.228 ug/l
RT: 6.76 min Scan# 1736
Delta R.T. -0.00 min
Lab File: VU028736.D
Acq: 17 Dec 2018 21:57

Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 83 Resp: 71729
Ion Ratio Lower Upper
83 100
85 66.0 51.5 77.3
127 9.0 6.2 9.4

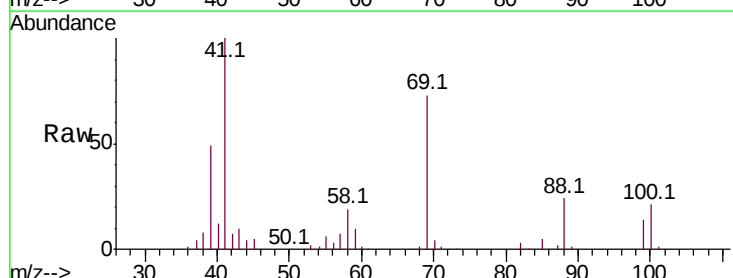


Abundance Ion 82.90 (82.60 to 83.60): VU0
Ion 84.90 (84.60 to 85.60): VU0
Ion 126.80 (126.50 to 127.50): V

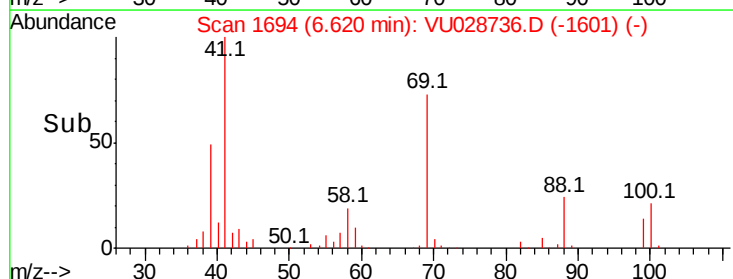
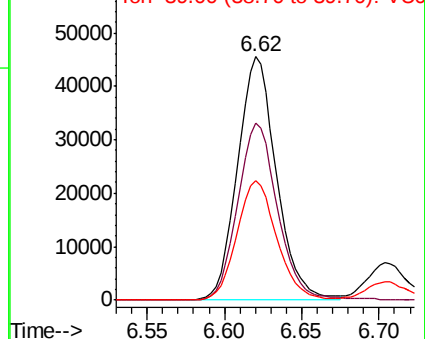


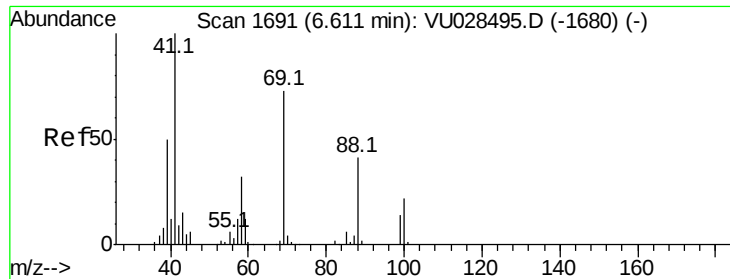
#48
Methyl methacrylate
Concen: 54.398 ug/l
RT: 6.62 min Scan# 1694
Delta R.T. -0.00 min
Lab File: VU028736.D
Acq: 17 Dec 2018 21:57

Tgt Ion: 41 Resp: 79441
Ion Ratio Lower Upper
41 100
69 75.1 60.4 90.6
39 50.5 41.1 61.7



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

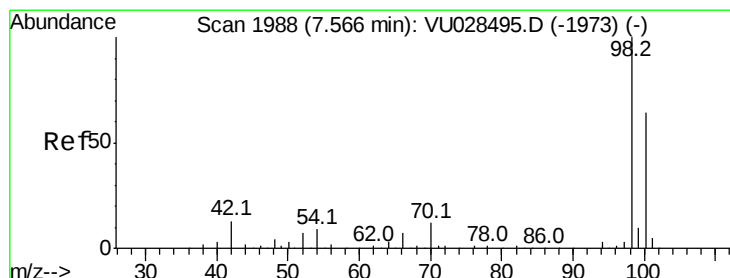
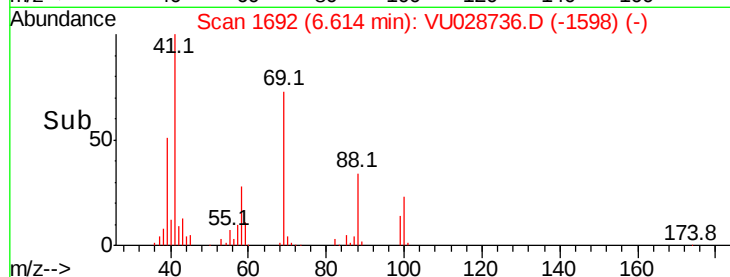
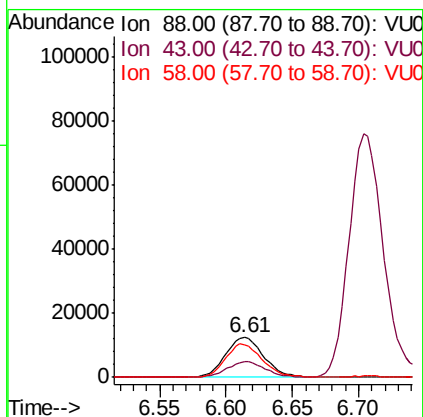
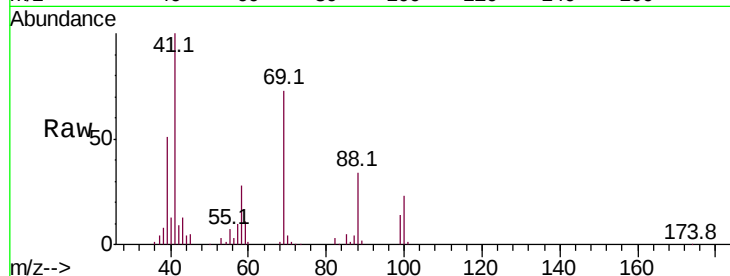




#49
1,4-Dioxane
Concen: 1087.877 ug/l
RT: 6.61 min Scan# 1692
Delta R.T. 0.00 min
Lab File: VU028736.D
Acq: 17 Dec 2018 21:57

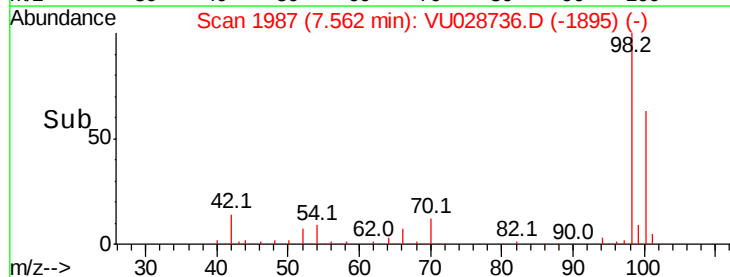
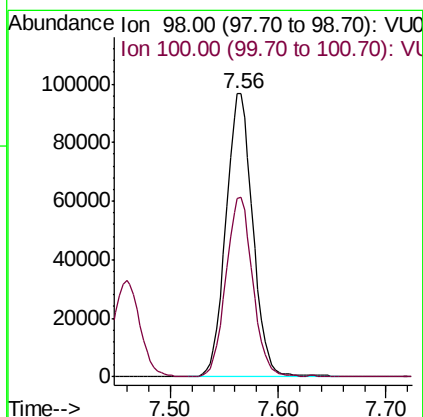
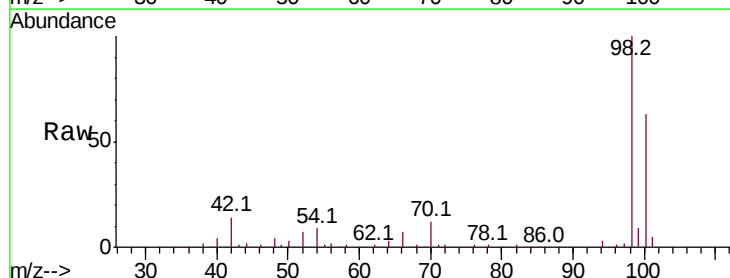
Instrument :
MSVOA_U
ClientSampleId :

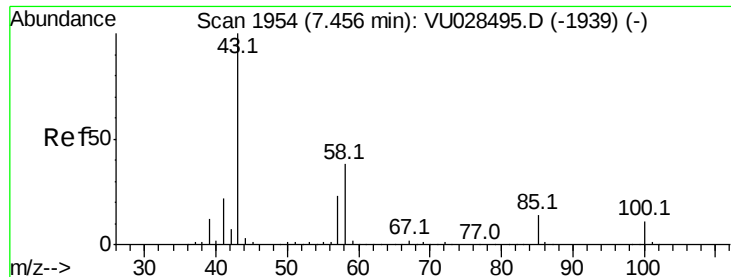
Tot Ion: 88 Resp: 25085
Ion Ratio Lower Upper
88 100
43 37.4 30.9 46.3
58 80.3 62.4 93.6



#50
Toluene-d8
Concen: 51.446 ug/l
RT: 7.56 min Scan# 1987
Delta R.T. -0.00 min
Lab File: VU028736.D
Acq: 17 Dec 2018 21:57

Tgt Ion: 98 Resp: 168088
Ion Ratio Lower Upper
98 100
100 62.5 51.0 76.6





#51

4-Methyl-2-Pentanone

Concen: 275.388 ug/l

RT: 7.46 min Scan# 1955

Delta R.T. 0.00 min

Lab File: VU028736.D

Acq: 17 Dec 2018 21:57

Instrument :

MSVOA_U

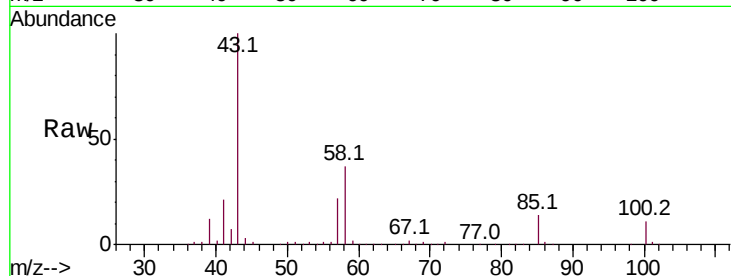
ClientSampled :

Tot Ion: 43 Resp: 510054

Ion Ratio Lower Upper

43 100

58 37.0 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

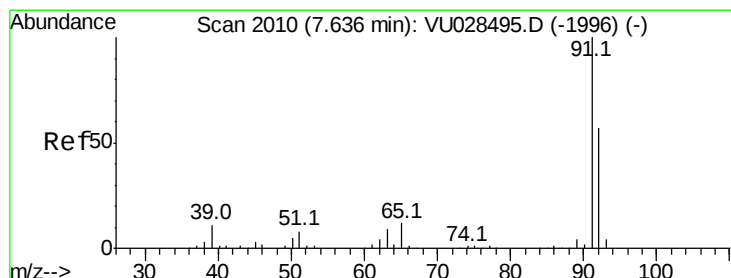
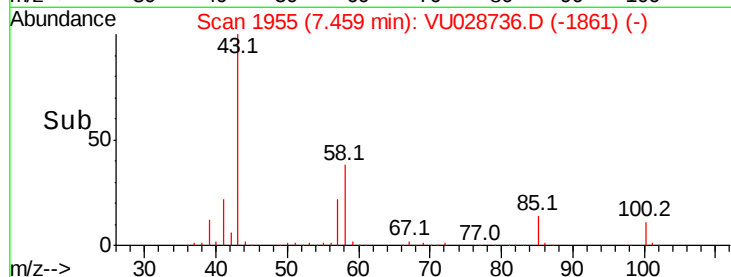
300000

200000

100000

0

Time-->



#52

Toluene

Concen: 50.698 ug/l

RT: 7.64 min Scan# 2010

Delta R.T. -0.00 min

Lab File: VU028736.D

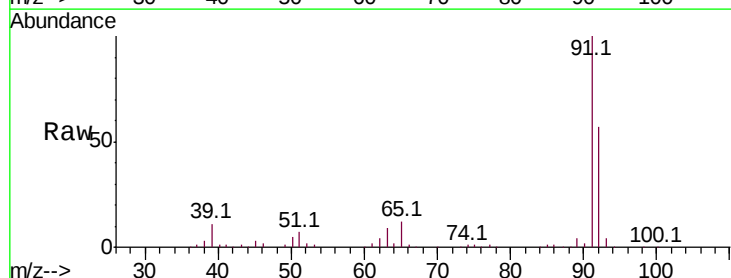
Acq: 17 Dec 2018 21:57

Tgt Ion: 92 Resp: 126208

Ion Ratio Lower Upper

92 100

91 176.0 140.2 210.4



Abundance Ion 92.00 (91.70 to 92.70): VU0

Ion 91.00 (90.70 to 91.70): VU0

7.64

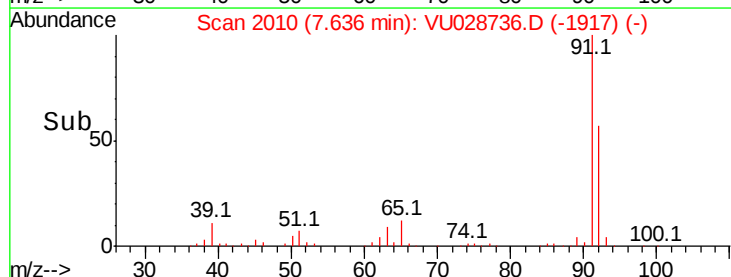
150000

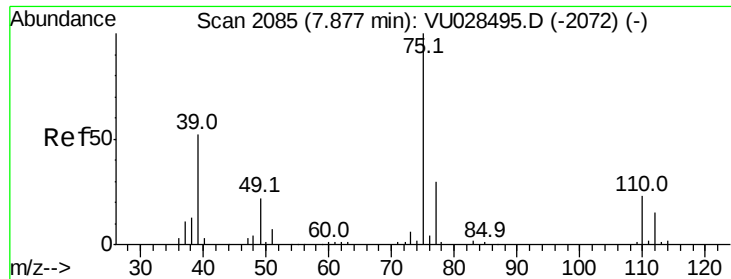
100000

50000

0

Time-->





#53

t-1,3-Dichloropropene

Concen: 51.785 ug/l

RT: 7.88 min Scan# 2085

Delta R.T. -0.00 min

Lab File: VU028736.D

Acq: 17 Dec 2018 21:57

Instrument :

MSVOA_U

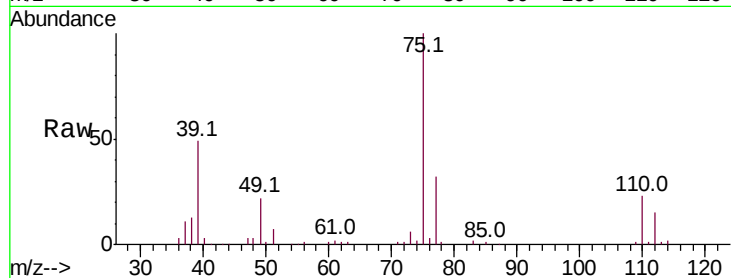
ClientSampled :

Tot Ion: 75 Resp: 84703

Ion Ratio Lower Upper

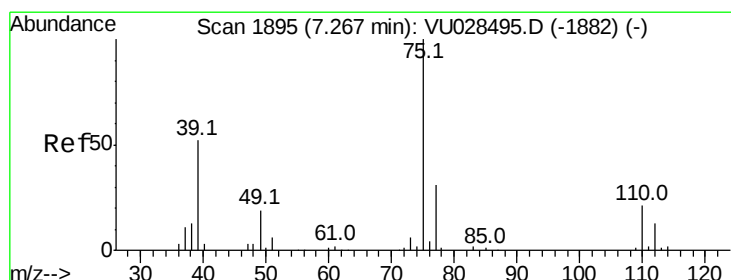
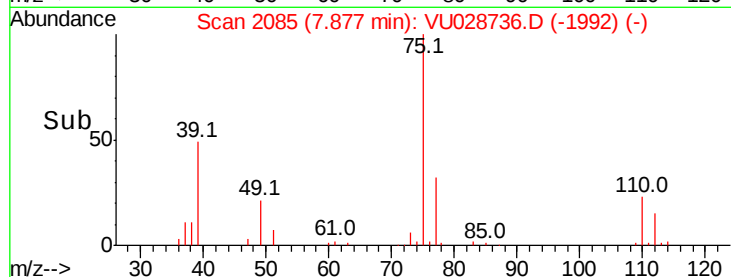
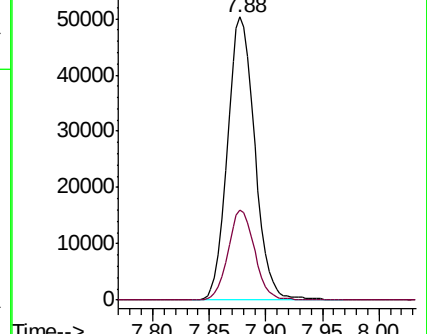
75 100

77 32.0 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: 50.983 ug/l

RT: 7.27 min Scan# 1895

Delta R.T. -0.00 min

Lab File: VU028736.D

Acq: 17 Dec 2018 21:57

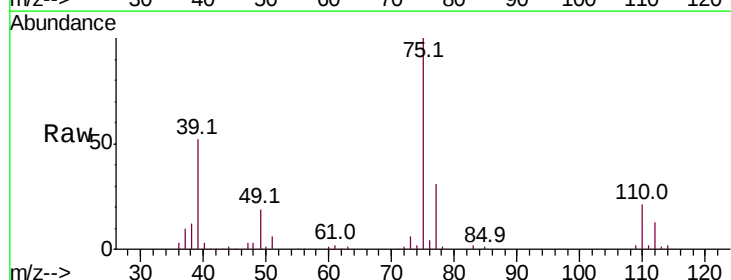
Tgt Ion: 75 Resp: 90474

Ion Ratio Lower Upper

75 100

77 31.1 25.0 37.4

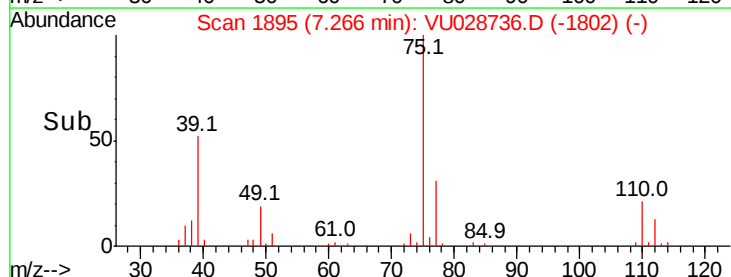
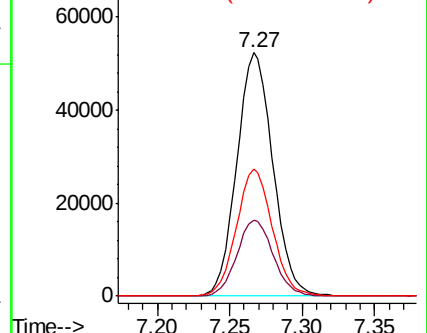
39 52.2 41.3 61.9

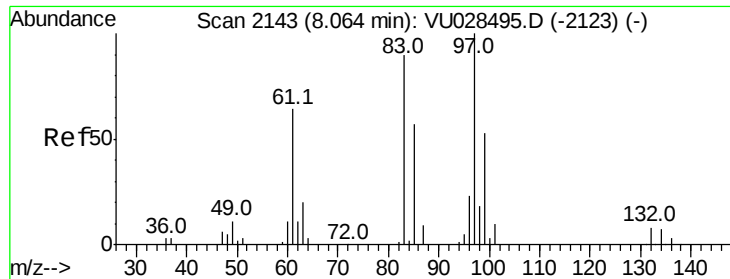


Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 76.90 (76.60 to 77.60): VU0

Ion 39.00 (38.70 to 39.70): VU0

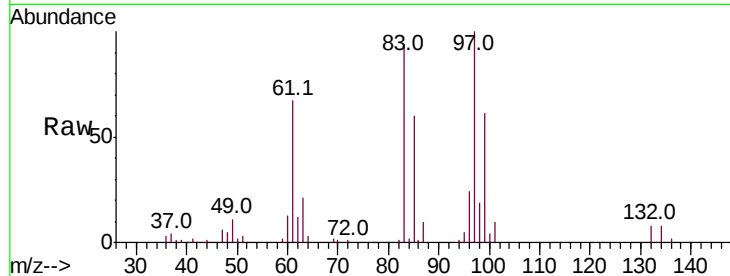




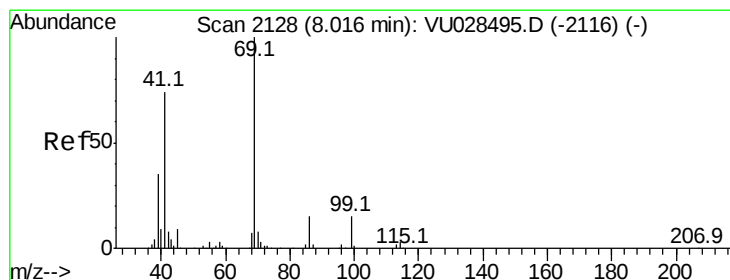
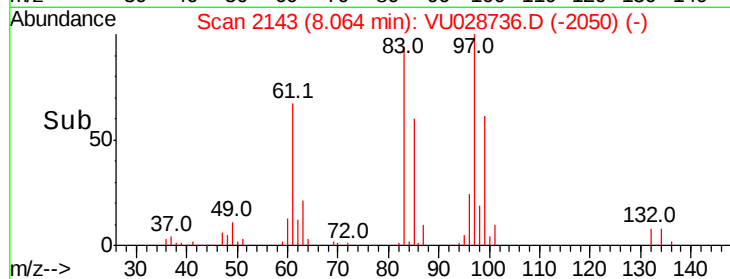
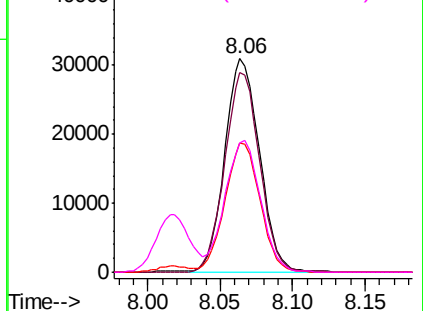
#55
 1,1,2-Trichloroethane
 Concen: 52.300 ug/l
 RT: 8.06 min Scan# 2143
 Delta R.T. -0.00 min
 Lab File: VU028736.D
 Acq: 17 Dec 2018 21:57

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion:	97	Resp:	51466
Ion	Ratio	Lower	Upper
97	100		
83	93.6	72.4	108.6
85	60.3	46.0	69.0
99	60.6	47.4	71.2

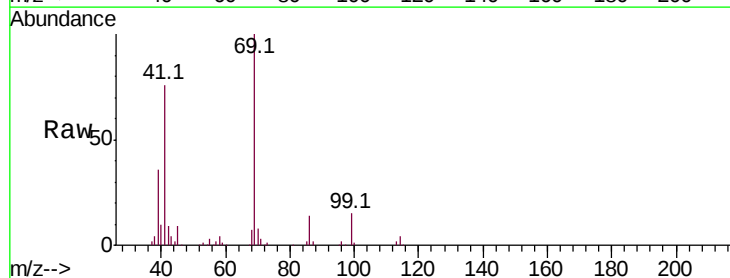


Abundance Ion 96.90 (96.60 to 97.60): VU0
 Ion 82.90 (82.60 to 83.60): VU0
 Ion 84.90 (84.60 to 85.60): VU0
 Ion 98.90 (98.60 to 99.60): VU0

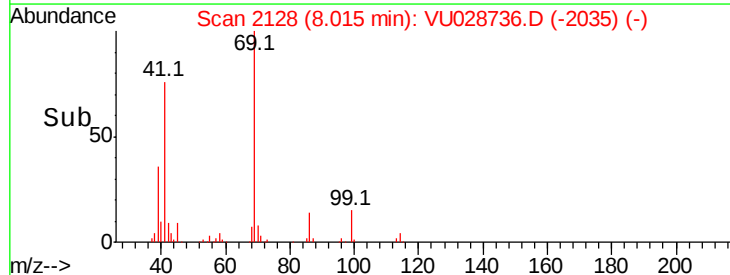
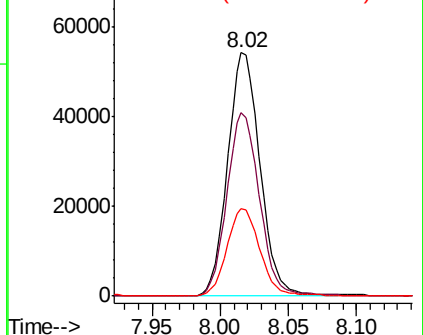


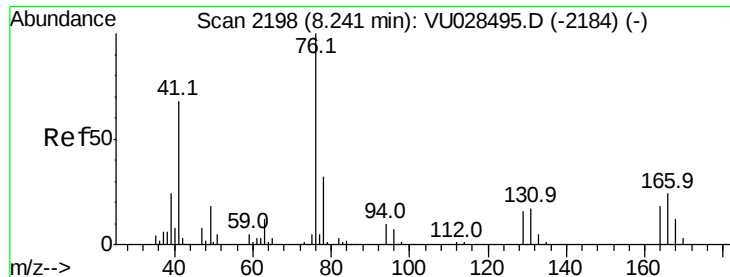
#56
 Ethyl methacrylate
 Concen: 53.306 ug/l
 RT: 8.02 min Scan# 2128
 Delta R.T. -0.00 min
 Lab File: VU028736.D
 Acq: 17 Dec 2018 21:57

Tgt Ion:	69	Resp:	89828
Ion	Ratio	Lower	Upper
69	100		
41	75.7	59.1	88.7
39	36.7	28.4	42.6



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





#57

1,3-Dichloropropane

Concen: 53.086 ug/l

RT: 8.24 min Scan# 2198

Delta R.T. -0.00 min

Lab File: VU028736.D

Acq: 17 Dec 2018 21:57

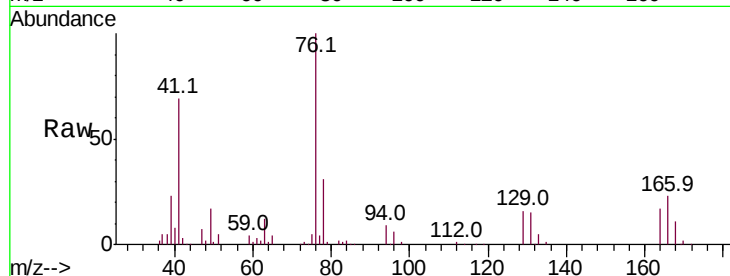
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 76 Resp: 96971

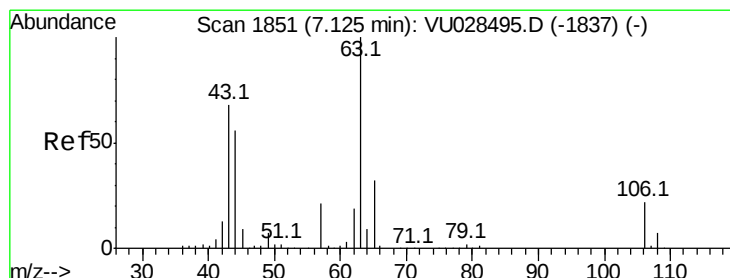
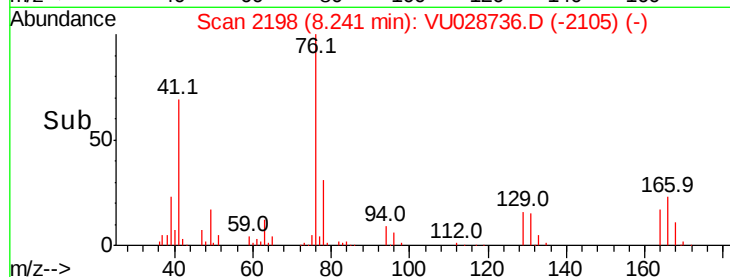
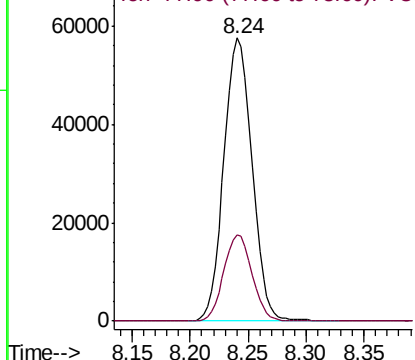
Ion Ratio Lower Upper

76 100

78 30.6 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: 272.038 ug/l

RT: 7.12 min Scan# 1851

Delta R.T. -0.00 min

Lab File: VU028736.D

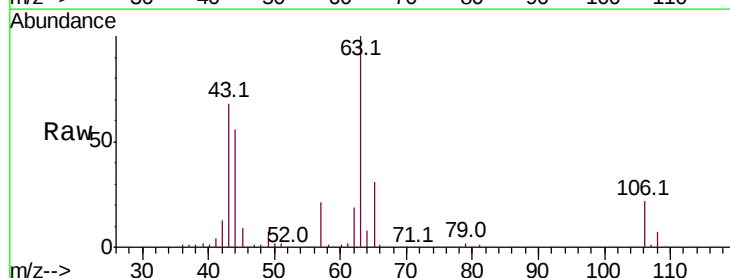
Acq: 17 Dec 2018 21:57

Tgt Ion: 63 Resp: 234804

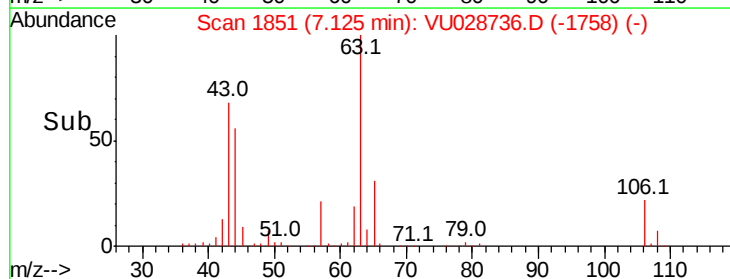
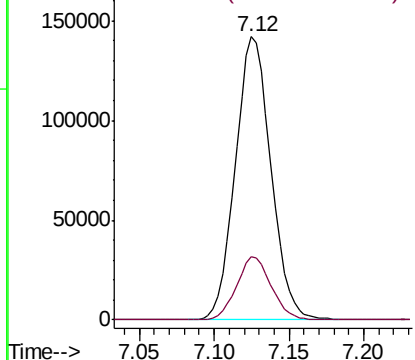
Ion Ratio Lower Upper

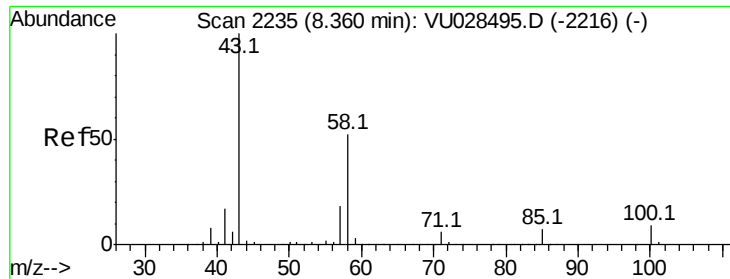
63 100

106 21.8 17.8 26.6



Abundance Ion 62.90 (62.60 to 63.60): VU0
Ion 105.90 (105.60 to 106.60): V

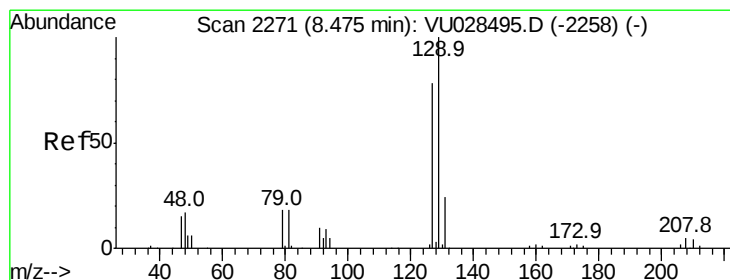
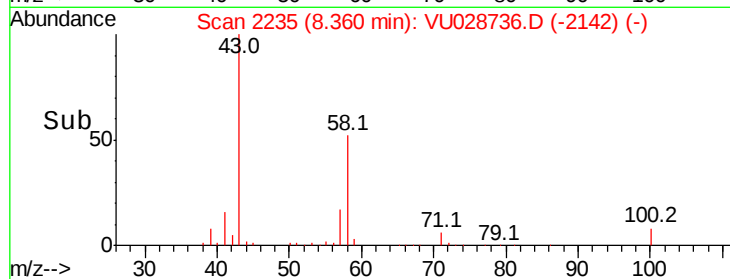
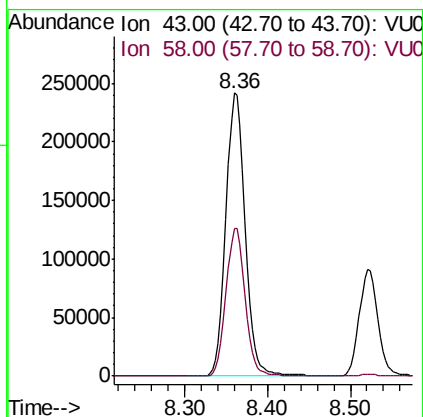
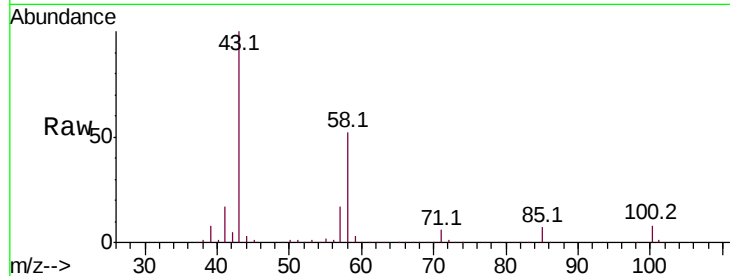




#59
2-Hexanone
Concen: 265.830 ug/l
RT: 8.36 min Scan# 2235
Delta R.T. -0.00 min
Lab File: VU028736.D
Acq: 17 Dec 2018 21:57

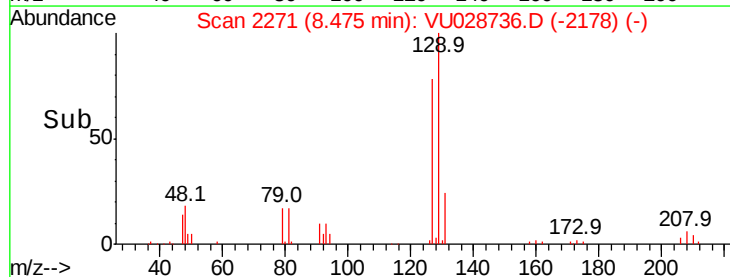
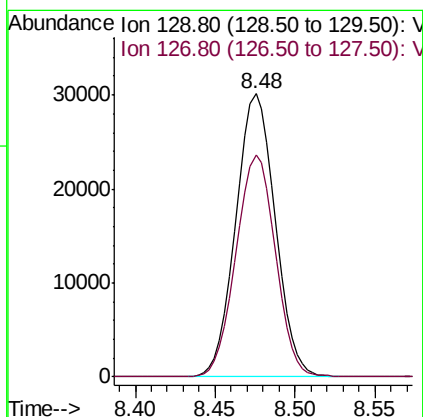
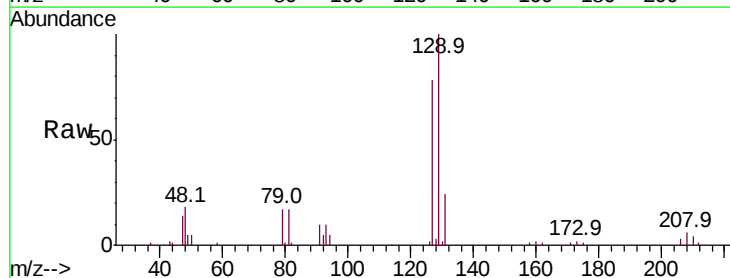
Instrument :
MSVOA_U
ClientSampled :

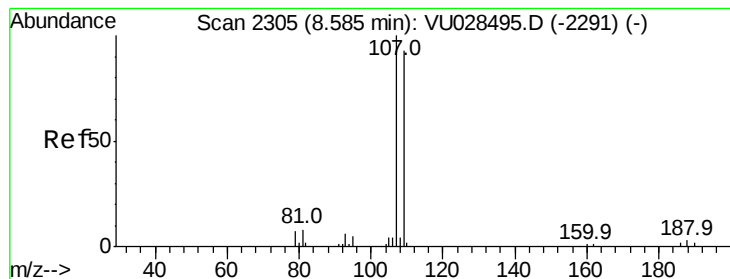
Tot Ion: 43 Resp: 390240
Ion Ratio Lower Upper
43 100
58 51.7 25.9 77.6



#60
Dibromochloromethane
Concen: 52.431 ug/l
RT: 8.48 min Scan# 2271
Delta R.T. -0.00 min
Lab File: VU028736.D
Acq: 17 Dec 2018 21:57

Tgt Ion: 129 Resp: 50514
Ion Ratio Lower Upper
129 100
127 78.5 39.1 117.3





#61

1,2-Dibromoethane

Concen: 53.348 ug/l

RT: 8.58 min Scan# 2305

Delta R.T. -0.00 min

Lab File: VU028736.D

Acq: 17 Dec 2018 21:57

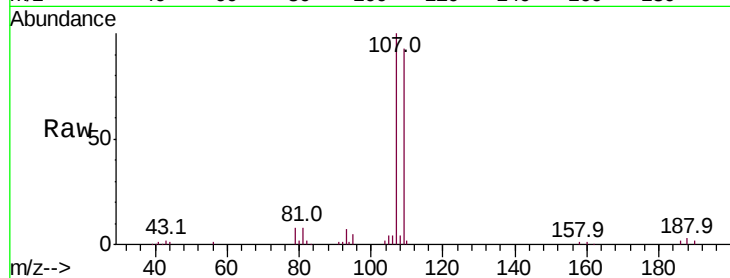
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion:107 Resp: 55051

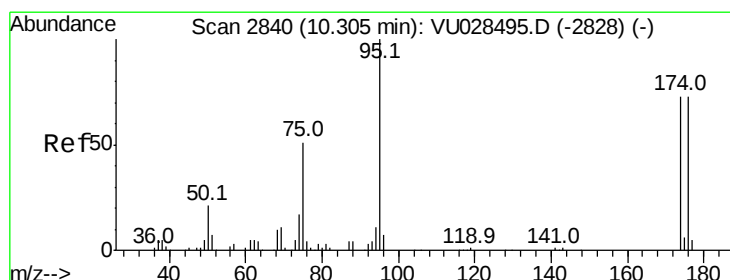
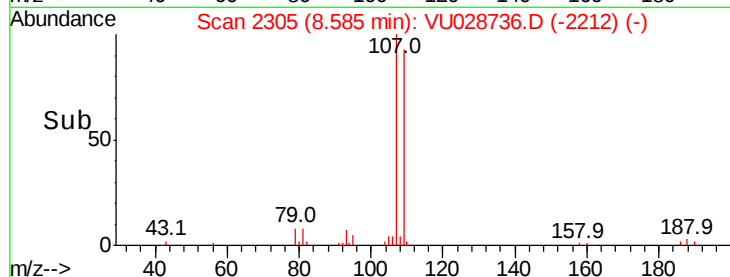
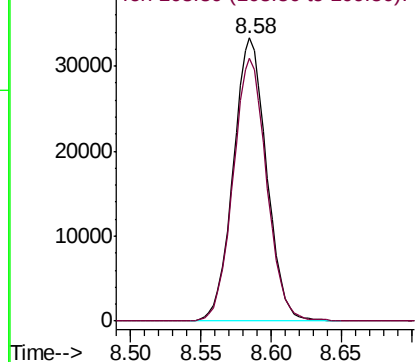
Ion Ratio Lower Upper

107 100

109 93.7 74.5 111.7



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



#62

4-Bromofluorobenzene

Concen: 49.919 ug/l

RT: 10.30 min Scan# 2840

Delta R.T. -0.00 min

Lab File: VU028736.D

Acq: 17 Dec 2018 21:57

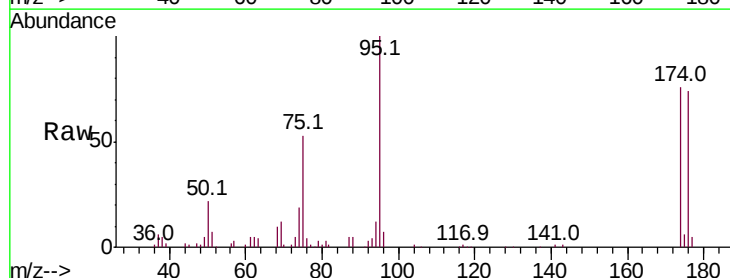
Tgt Ion: 95 Resp: 60961

Ion Ratio Lower Upper

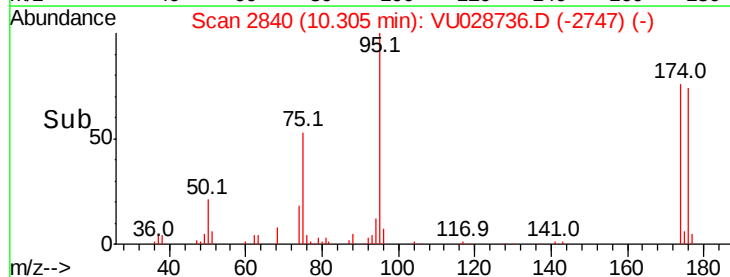
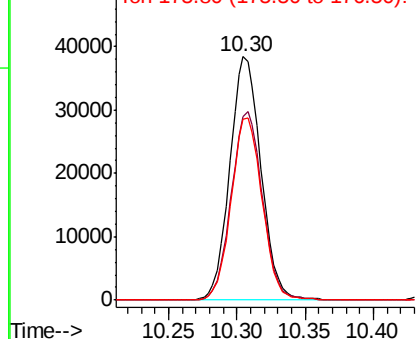
95 100

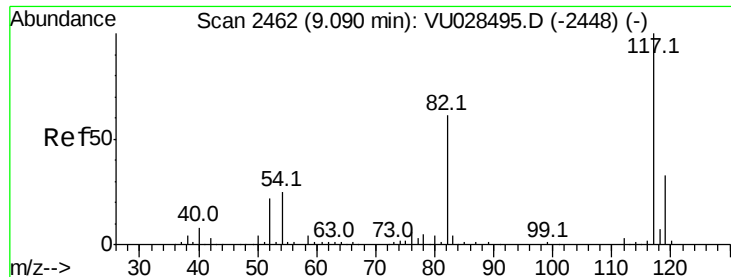
174 77.5 0.0 150.4

176 74.5 0.0 145.2



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

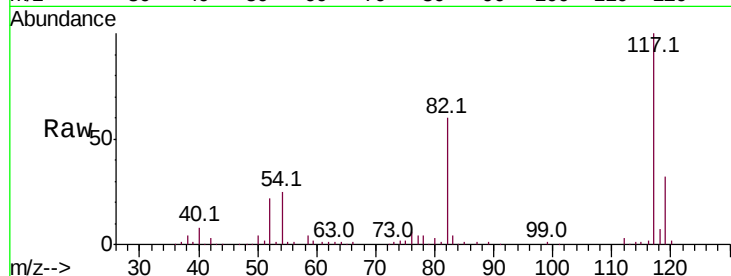




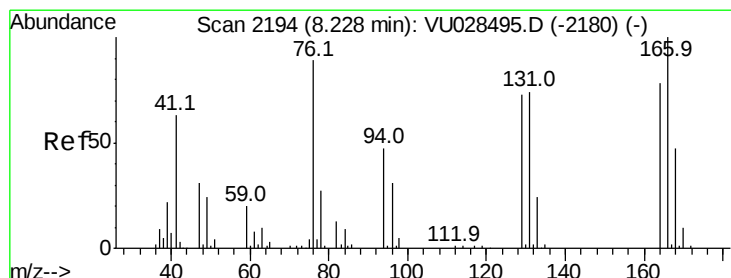
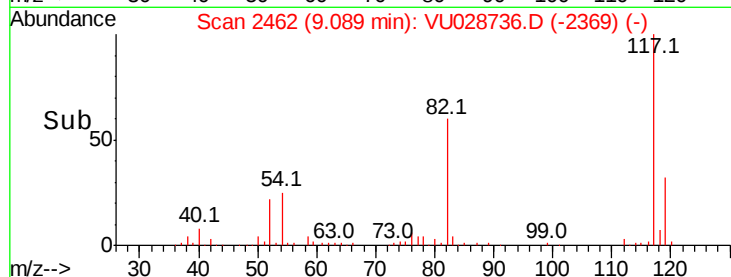
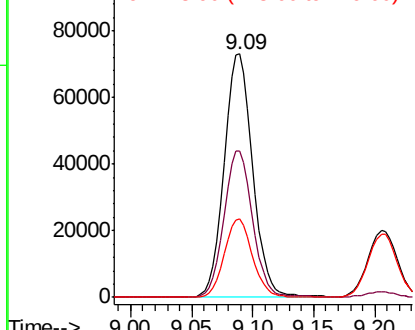
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.09 min Scan# 2462
Delta R.T. -0.00 min
Lab File: VU028736.D
Acq: 17 Dec 2018 21:57

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion:117 Resp: 120282
Ion Ratio Lower Upper
117 100
82 60.2 48.9 73.3
119 32.2 26.2 39.4

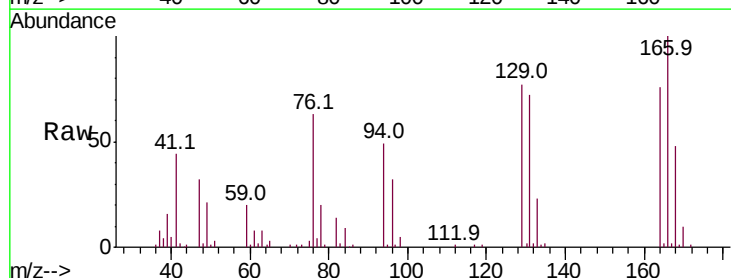


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VU0
Ion 118.90 (118.60 to 119.60): V

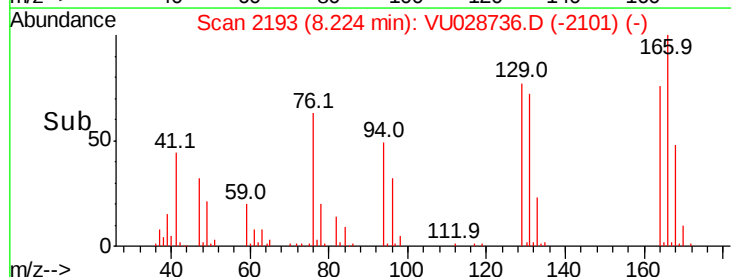
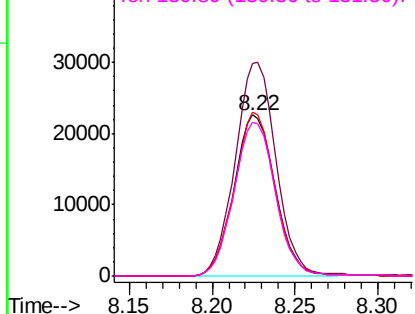


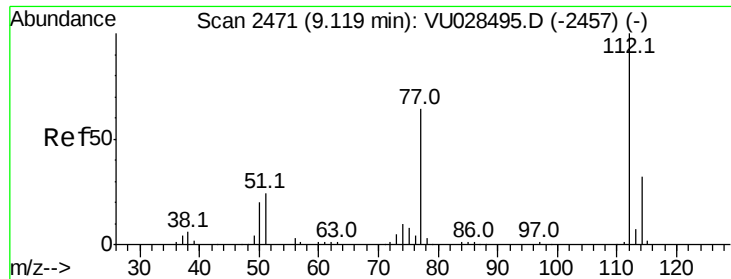
#64
Tetrachloroethene
Concen: 48.830 ug/l
RT: 8.22 min Scan# 2193
Delta R.T. -0.00 min
Lab File: VU028736.D
Acq: 17 Dec 2018 21:57

Tgt Ion:164 Resp: 39177
Ion Ratio Lower Upper
164 100
166 132.3 101.9 152.9
129 102.2 74.9 112.3
131 95.7 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

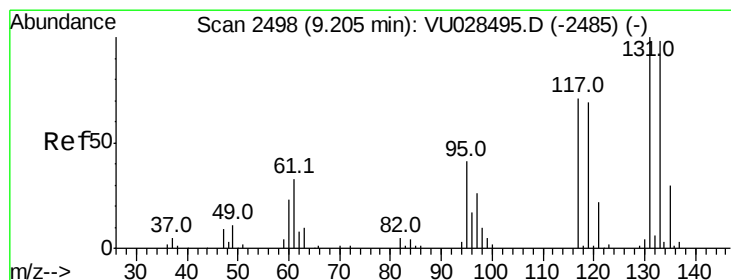
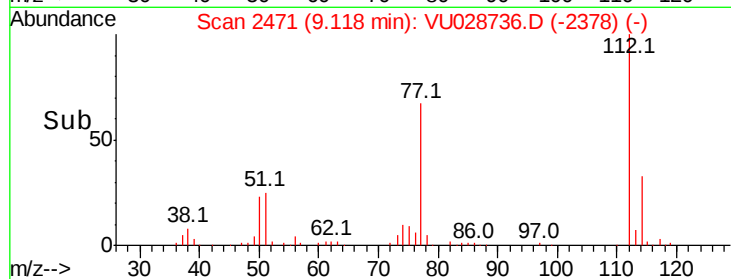
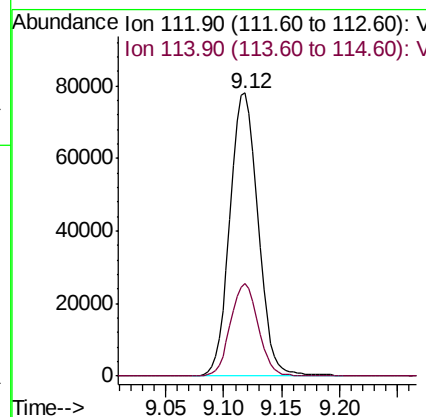
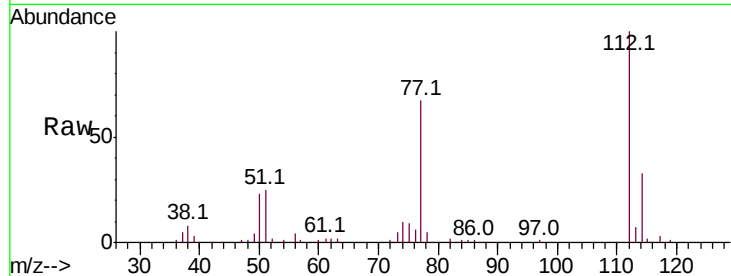




#65
Chlorobenzene
Concen: 51.211 ug/l
RT: 9.12 min Scan# 2471
Delta R.T. -0.00 min
Lab File: VU028736.D
Acq: 17 Dec 2018 21:57

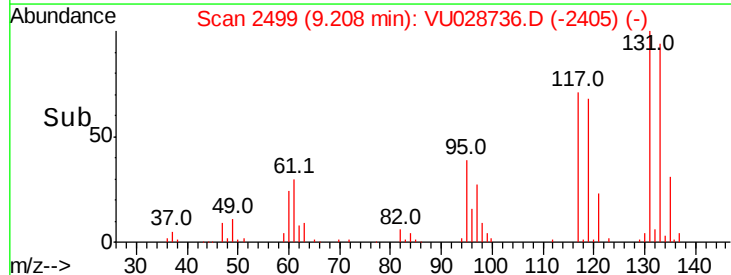
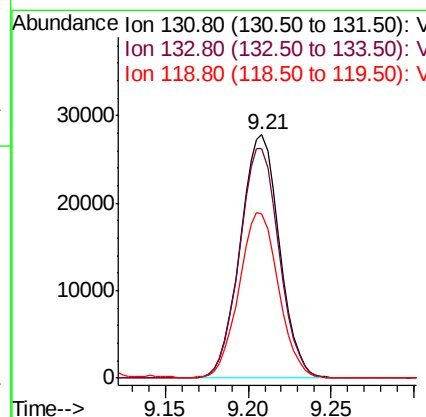
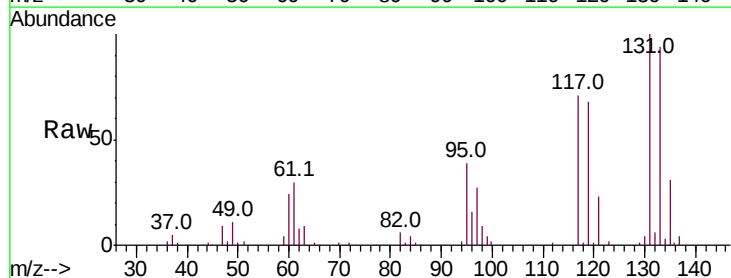
Instrument :
MSVOA_U
ClientSampleId :

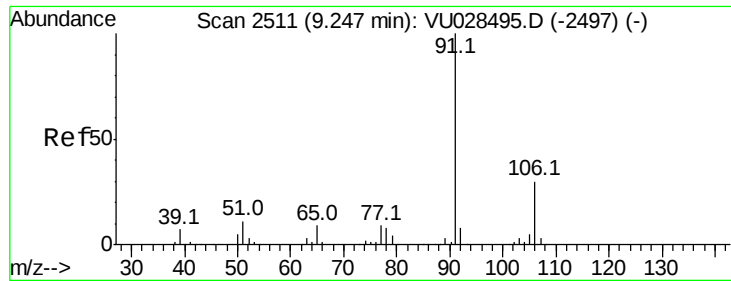
Tot Ion:112 Resp: 131259
Ion Ratio Lower Upper
112 100
114 32.6 25.3 37.9



#66
1,1,1,2-Tetrachloroethane
Concen: 56.065 ug/l
RT: 9.21 min Scan# 2499
Delta R.T. 0.00 min
Lab File: VU028736.D
Acq: 17 Dec 2018 21:57

Tgt Ion:131 Resp: 45888
Ion Ratio Lower Upper
131 100
133 95.2 48.0 144.0
119 68.5 34.6 103.9





#67

Ethyl Benzene

Concen: 51.825 ug/l

RT: 9.25 min Scan# 2511

Delta R.T. -0.00 min

Lab File: VU028736.D

Acq: 17 Dec 2018 21:57

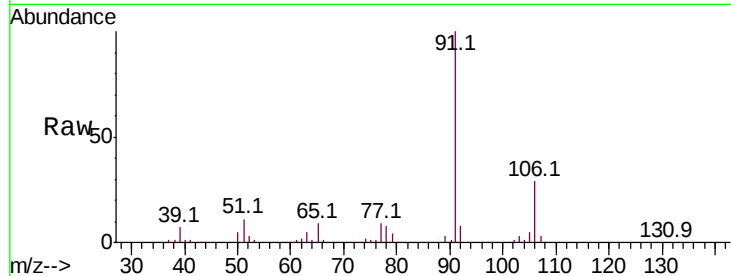
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 91 Resp: 244188

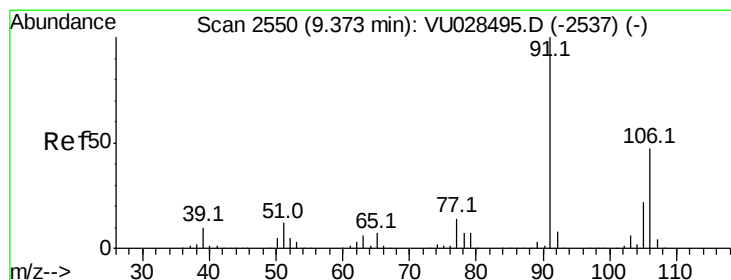
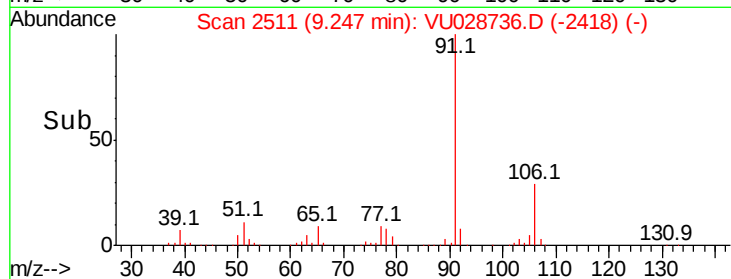
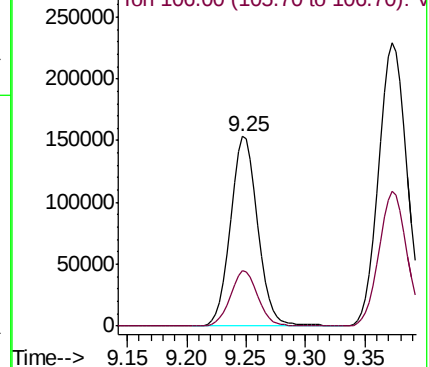
Ion Ratio Lower Upper

91 100

106 29.1 24.1 36.1



Abundance Ion 91.00 (90.70 to 91.70): VU028495.D (-2497) (-)



#68

m/p-Xylenes

Concen: 104.462 ug/l

RT: 9.37 min Scan# 2550

Delta R.T. -0.00 min

Lab File: VU028736.D

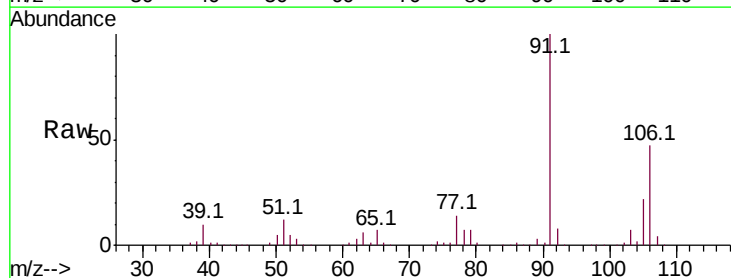
Acq: 17 Dec 2018 21:57

Tgt Ion: 106 Resp: 179099

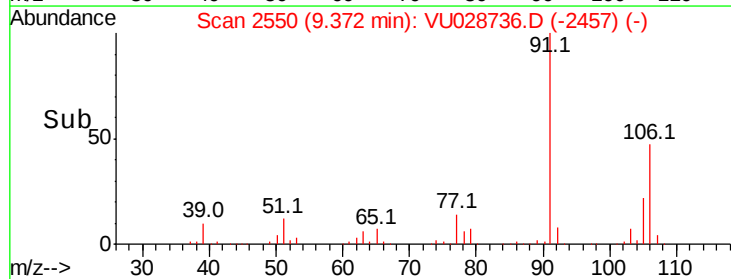
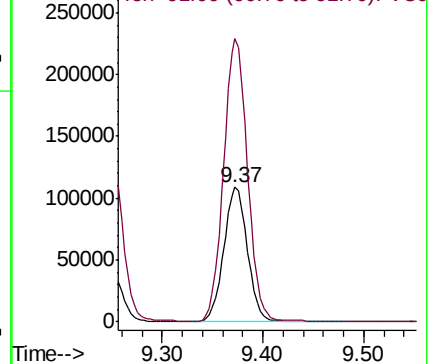
Ion Ratio Lower Upper

106 100

91 212.3 167.4 251.0



Abundance Ion 106.00 (105.70 to 106.70): VU028495.D (-2537) (-)

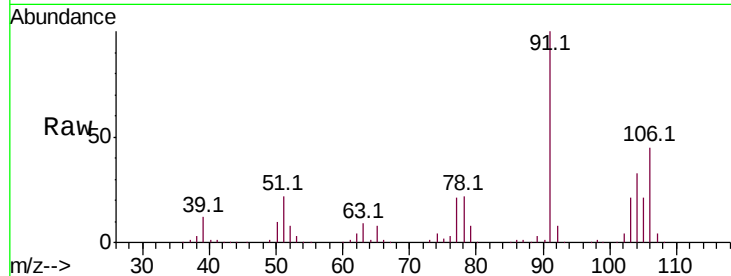




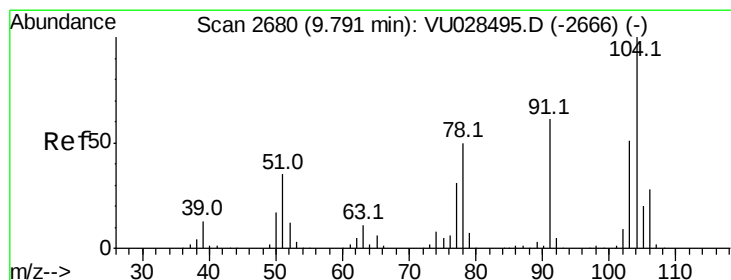
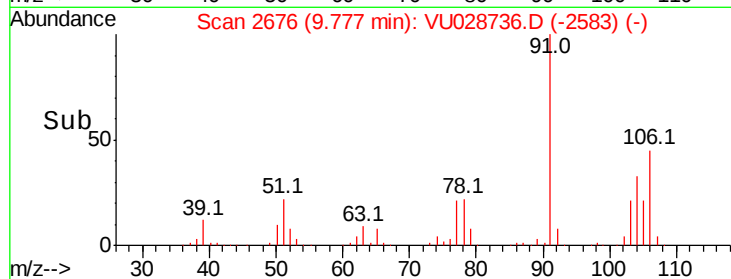
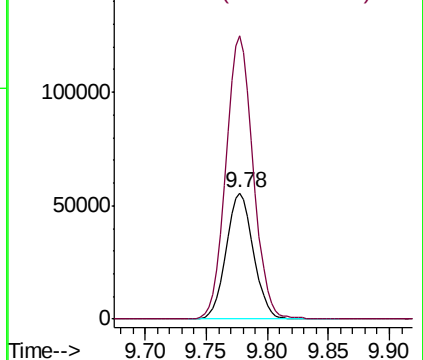
#69
o-Xylene
Concen: 52.423 ug/l
RT: 9.78 min Scan# 2676
Delta R.T. -0.00 min
Lab File: VU028736.D
Acq: 17 Dec 2018 21:57

Instrument :
MSVOA_U
ClientSampled :

Tot Ion:106 Resp: 87345
Ion Ratio Lower Upper
106 100
91 224.1 111.3 334.0

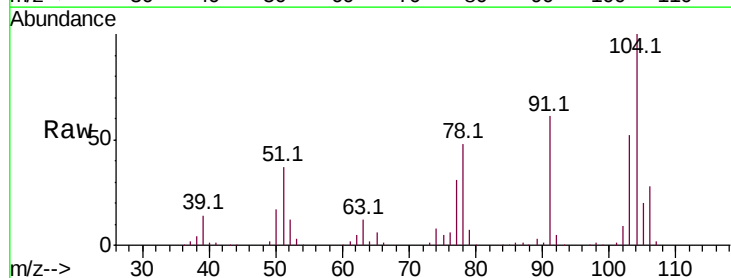


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VU0

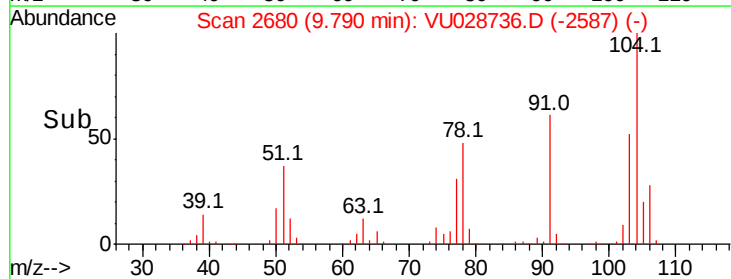
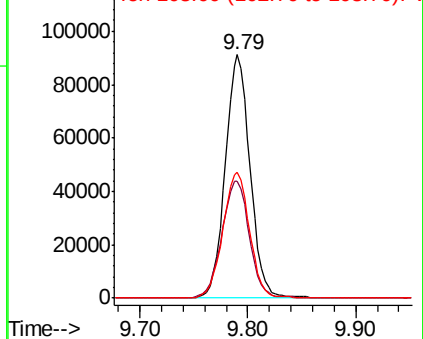


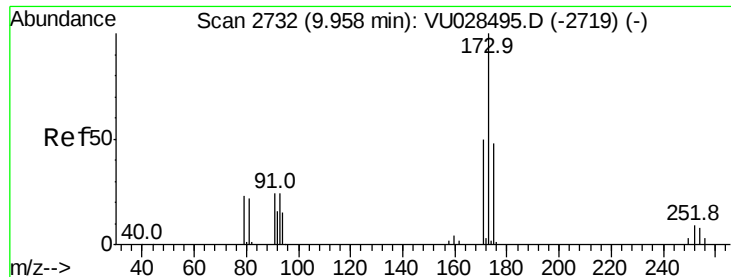
#70
Styrene
Concen: 52.924 ug/l
RT: 9.79 min Scan# 2680
Delta R.T. -0.00 min
Lab File: VU028736.D
Acq: 17 Dec 2018 21:57

Tgt Ion:104 Resp: 145930
Ion Ratio Lower Upper
104 100
78 53.4 43.0 64.6
103 55.6 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: 57.146 ug/l

RT: 9.96 min Scan# 2732

Delta R.T. -0.00 min

Lab File: VU028736.D

Acq: 17 Dec 2018 21:57

Instrument :
MSVOA_U
ClientSampleId :

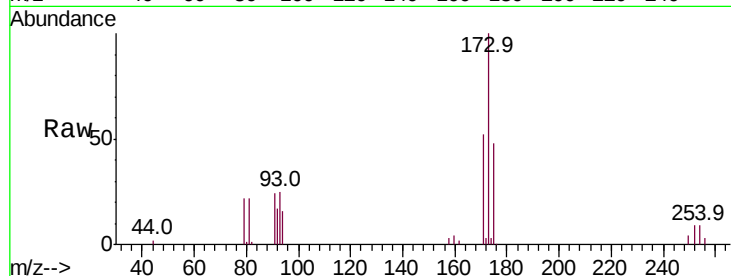
Tot Ion:173 Resp: 39789

Ion Ratio Lower Upper

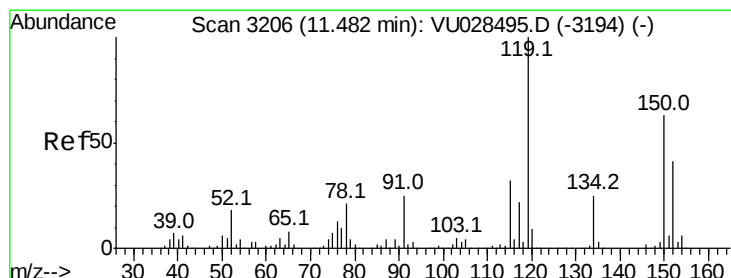
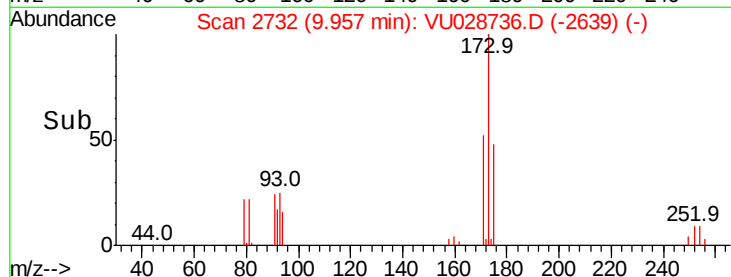
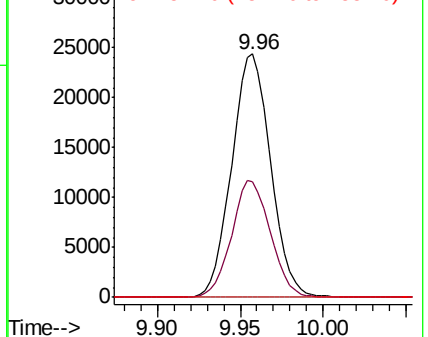
173 100

175 47.7 23.9 71.8

254 0.0 0.0 0.0



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 11.48 min Scan# 3206

Delta R.T. -0.00 min

Lab File: VU028736.D

Acq: 17 Dec 2018 21:57

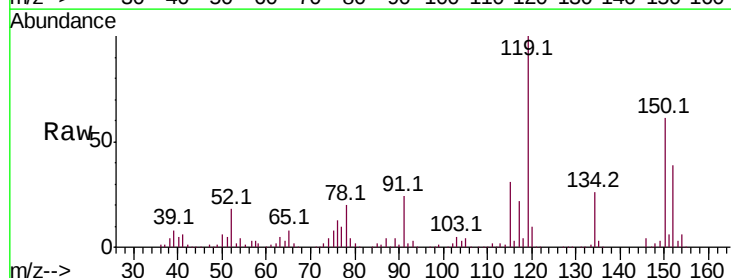
Tgt Ion:152 Resp: 59472

Ion Ratio Lower Upper

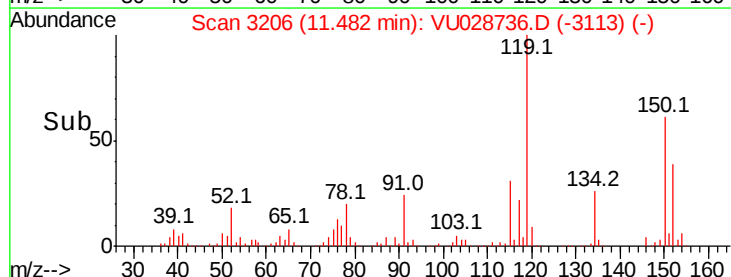
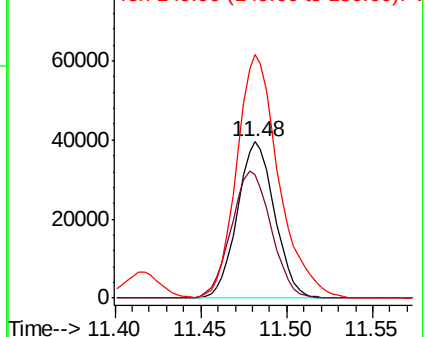
152 100

115 86.9 42.7 128.1

150 176.2 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: 50.884 ug/l

RT: 10.17 min Scan# 2797

Delta R.T. 0.00 min

Lab File: VU028736.D

Acq: 17 Dec 2018 21:57

Instrument :

MSVOA_U

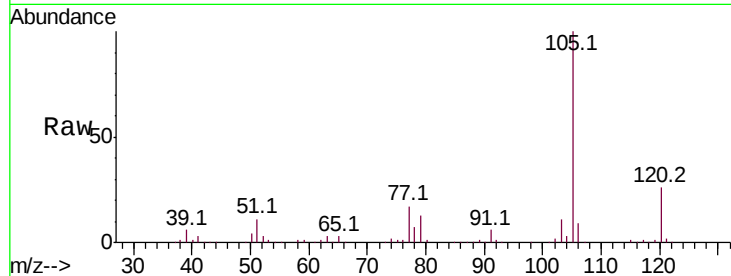
ClientSampleId :

Tot Ion:105 Resp: 232208

Ion Ratio Lower Upper

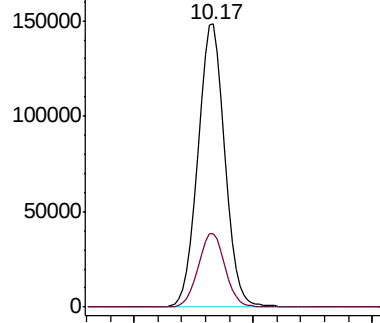
105 100

120 26.1 12.9 38.6

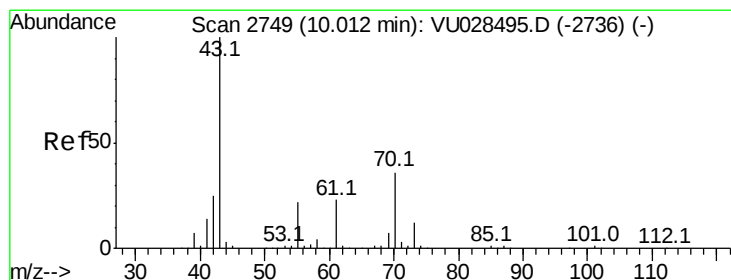
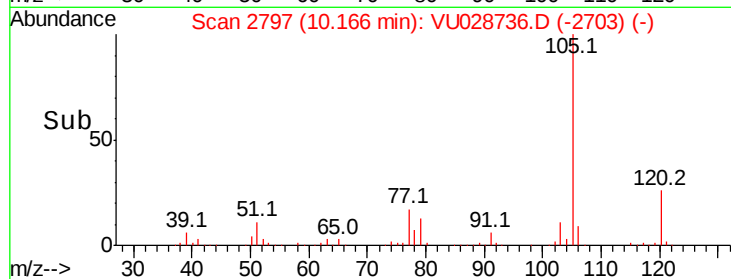


Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



Time-->



#74

N-ethyl acetate

Concen: 54.285 ug/l

RT: 10.01 min Scan# 2749

Delta R.T. -0.00 min

Lab File: VU028736.D

Acq: 17 Dec 2018 21:57

Tgt Ion: 43 Resp: 142897

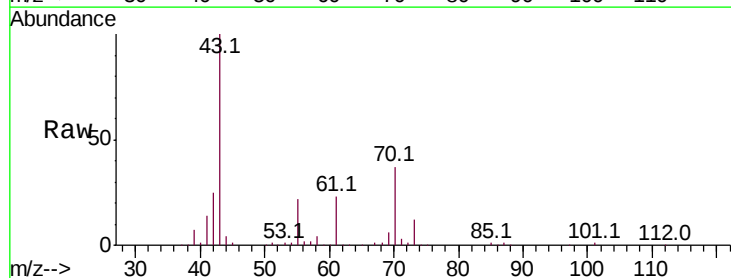
Ion Ratio Lower Upper

43 100

70 36.3 29.3 43.9

55 22.8 18.0 27.0

61 22.6 18.3 27.5

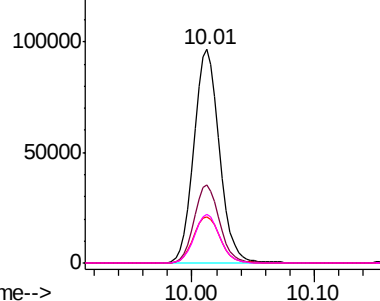


Abundance Ion 43.00 (42.70 to 43.70): VU0

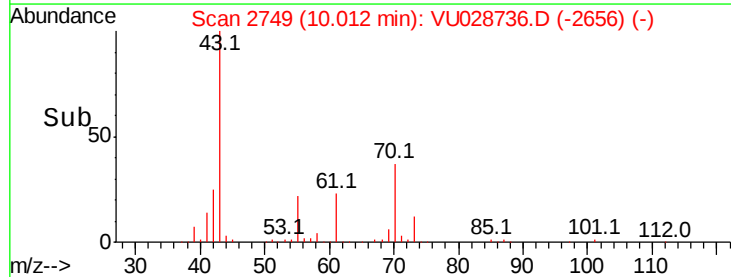
Ion 70.00 (69.70 to 70.70): VU0

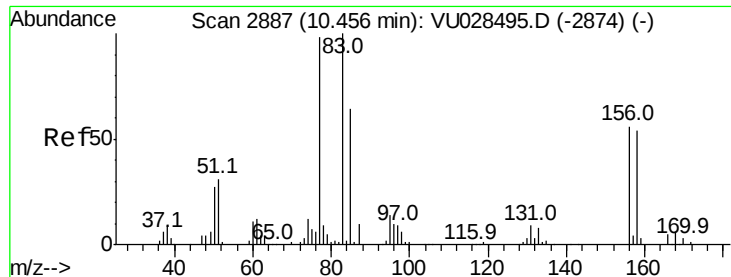
Ion 55.00 (54.70 to 55.70): VU0

Ion 61.00 (60.70 to 61.70): VU0



Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 56.031 ug/l

RT: 10.46 min Scan# 2887

Delta R.T. -0.00 min

Lab File: VU028736.D

Acq: 17 Dec 2018 21:57

Instrument :

MSVOA_U

ClientSampled :

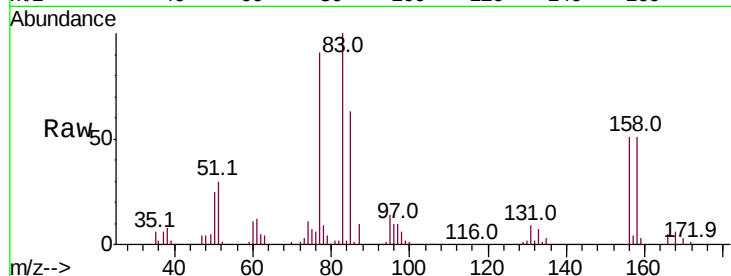
Tot Ion: 83 Resp: 98224

Ion Ratio Lower Upper

83 100

131 7.9 4.2 12.4

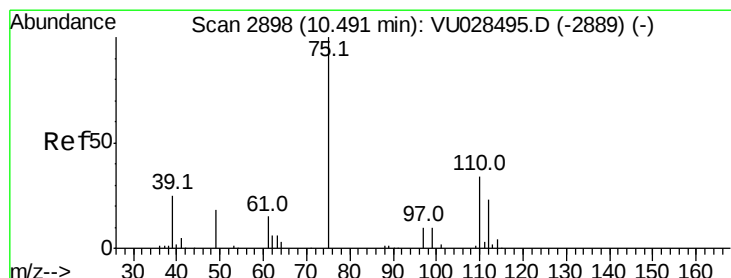
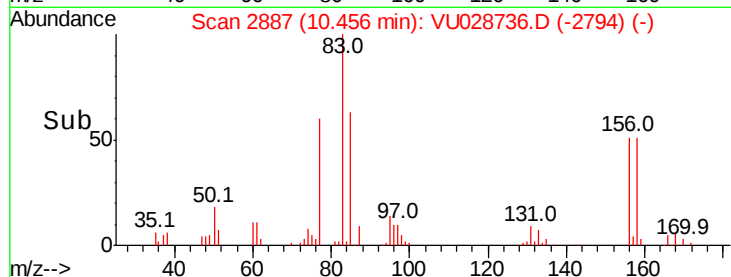
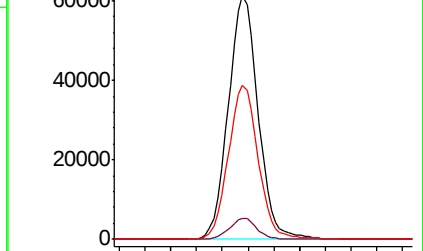
85 63.4 31.8 95.4



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: 74.606 ug/l

RT: 10.49 min Scan# 2899

Delta R.T. 0.00 min

Lab File: VU028736.D

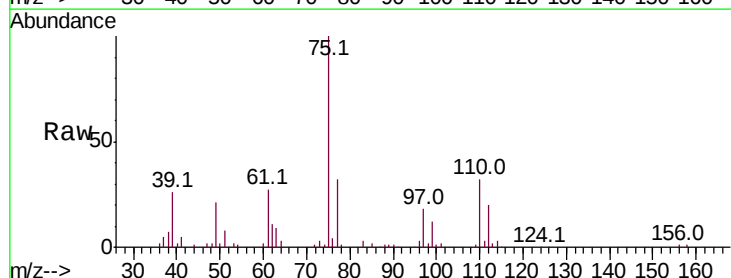
Acq: 17 Dec 2018 21:57

Tgt Ion: 75 Resp: 113299

Ion Ratio Lower Upper

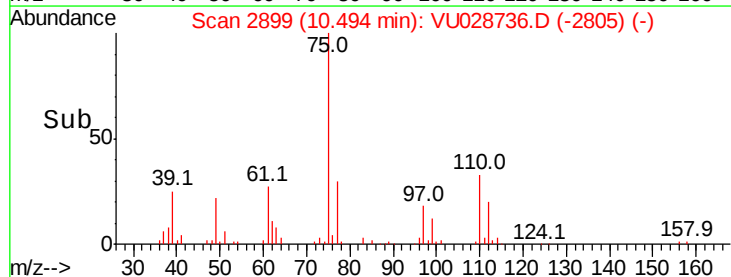
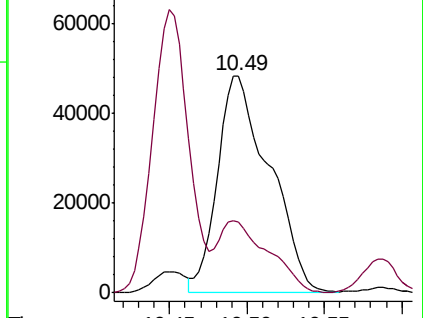
75 100

77 30.8 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: 52.065 ug/l

RT: 10.45 min Scan# 2886

Delta R.T. -0.00 min

Lab File: VU028736.D

Acq: 17 Dec 2018 21:57

Instrument :

MSVOA_U

ClientSampleId :

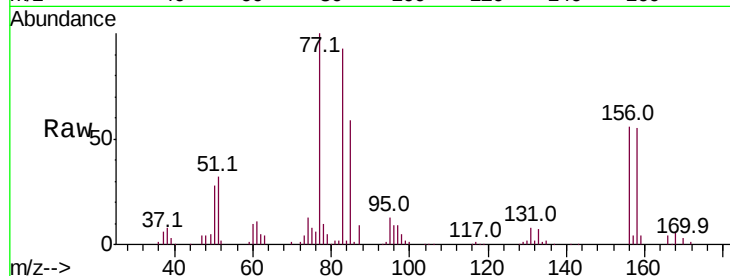
Tot Ion:156 Resp: 55568

Ion Ratio Lower Upper

156 100

77 184.5 92.4 277.2

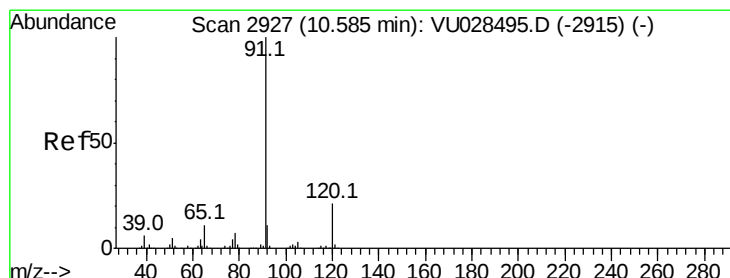
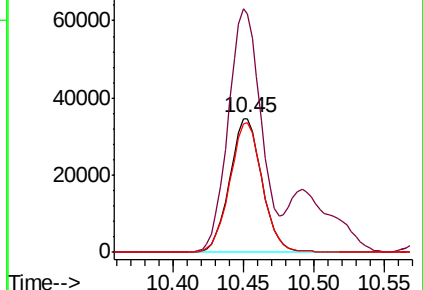
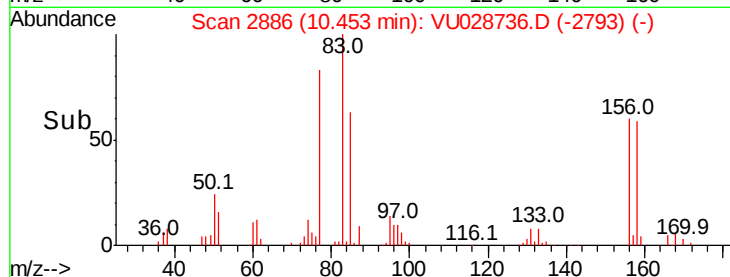
158 98.0 48.4 145.3



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VU0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 50.711 ug/l

RT: 10.58 min Scan# 2927

Delta R.T. -0.00 min

Lab File: VU028736.D

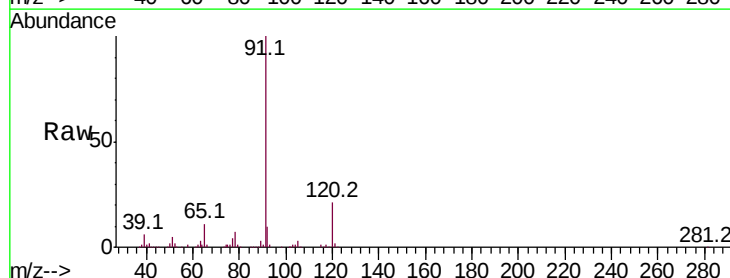
Acq: 17 Dec 2018 21:57

Tgt Ion: 91 Resp: 287561

Ion Ratio Lower Upper

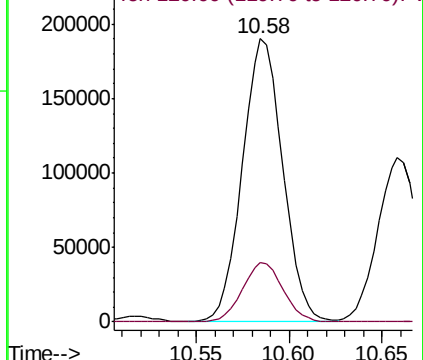
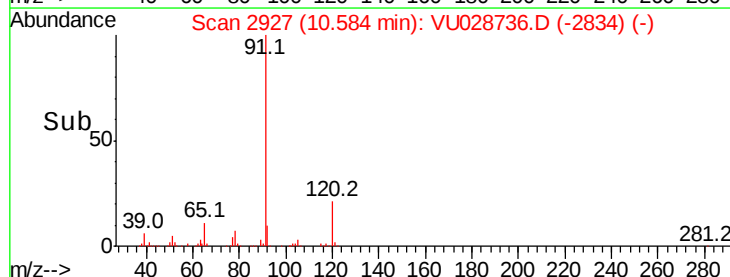
91 100

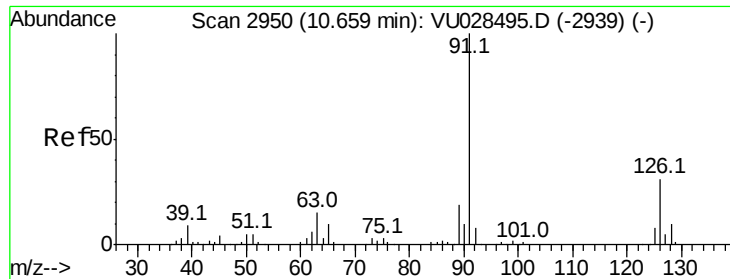
120 21.1 10.6 31.8



Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 120.00 (119.70 to 120.70): V

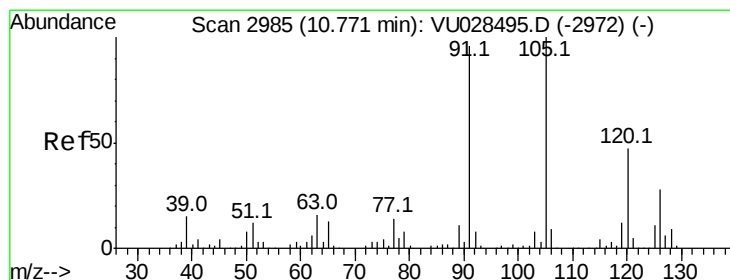
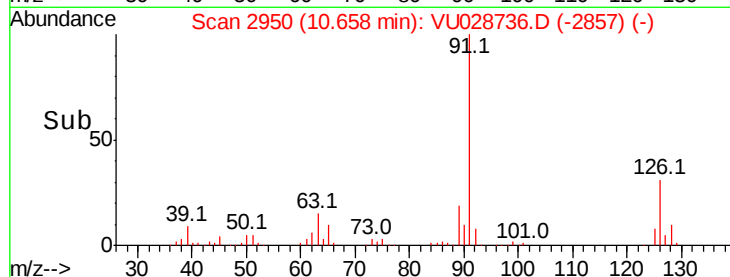
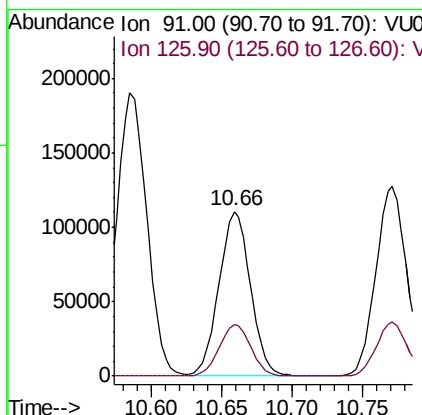
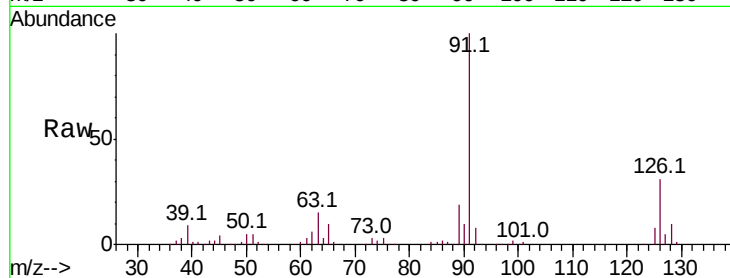




#79
 2-Chlorotoluene
 Concen: 52.776 ug/l
 RT: 10.66 min Scan# 2950
 Delta R.T. -0.00 min
 Lab File: VU028736.D
 Acq: 17 Dec 2018 21:57

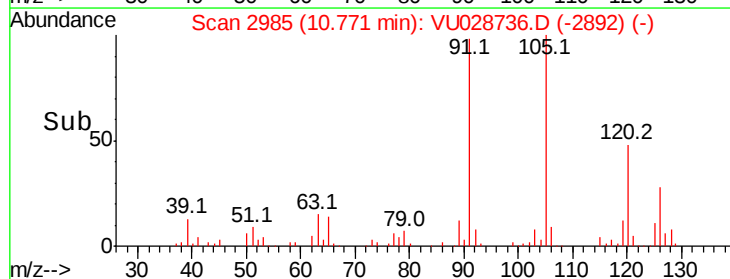
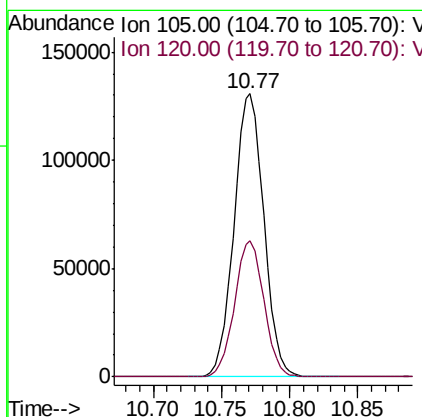
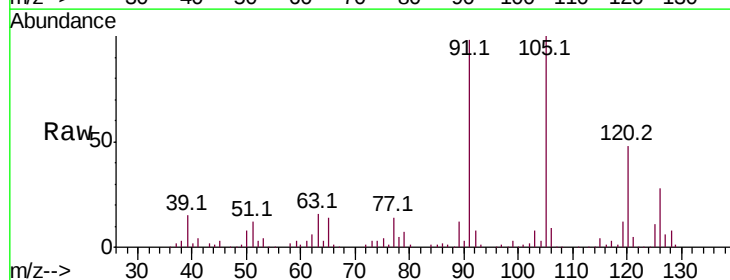
Instrument :
 MSVOA_U
 ClientSampleId :

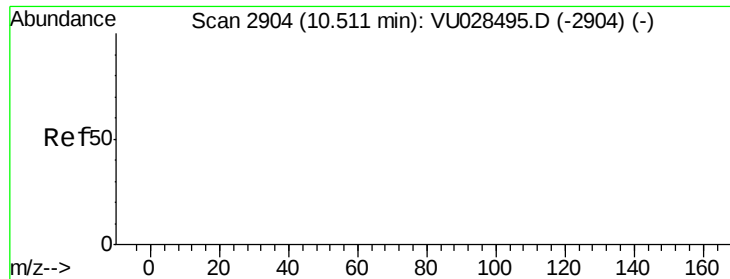
Tot Ion: 91 Resp: 172385
 Ion Ratio Lower Upper
 91 100
 126 31.5 15.6 46.8



#80
 1,3,5-Trimethylbenzene
 Concen: 52.385 ug/l
 RT: 10.77 min Scan# 2985
 Delta R.T. -0.00 min
 Lab File: VU028736.D
 Acq: 17 Dec 2018 21:57

Tgt Ion:105 Resp: 197887
 Ion Ratio Lower Upper
 105 100
 120 47.4 23.7 71.1





#81

trans-1,4-Dichloro-2-butene

Concen: 182.034 ug/l

RT: 10.49 min Scan# 2899

Delta R.T. -0.02 min

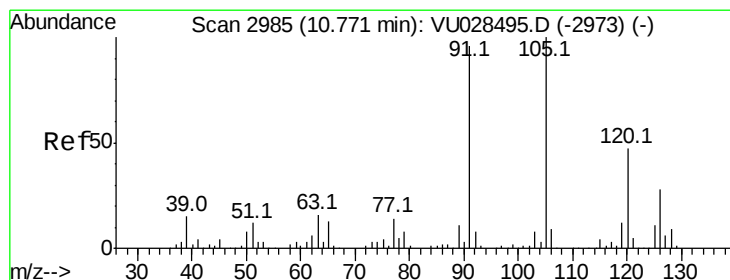
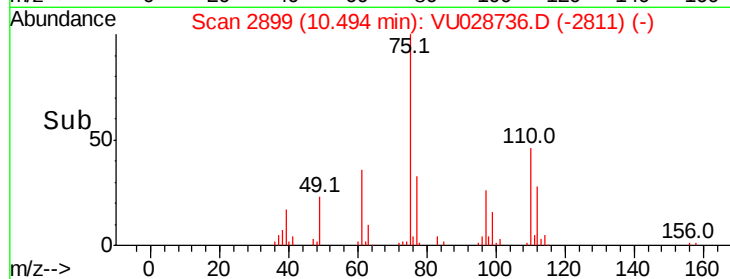
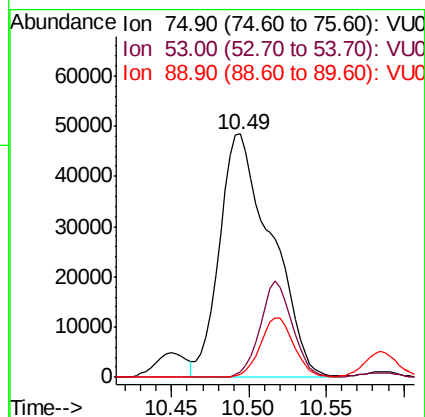
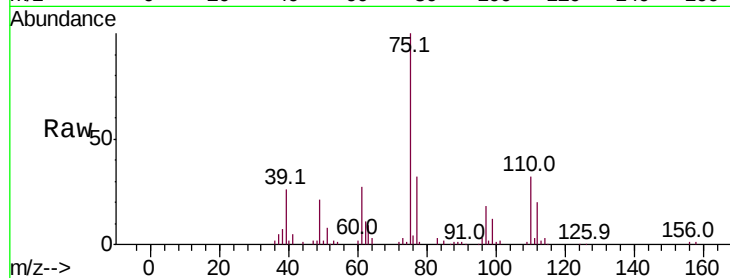
Lab File: VU028736.D

Acq: 17 Dec 2018 21:57

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 75 Resp: 113299

Ion	Ratio	Lower	Upper
75	100		
53	0.0	0.0	0.0
89	0.0	0.0	0.0



#82

4-Chlorotoluene

Concen: 50.393 ug/l

RT: 10.77 min Scan# 2985

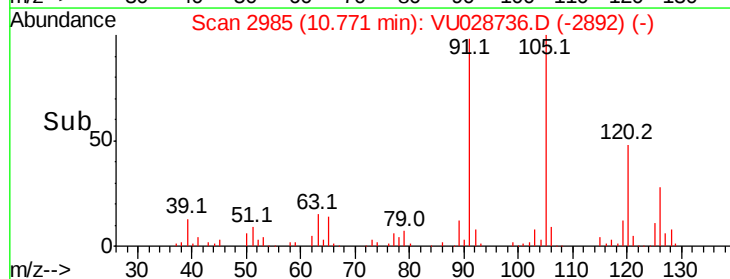
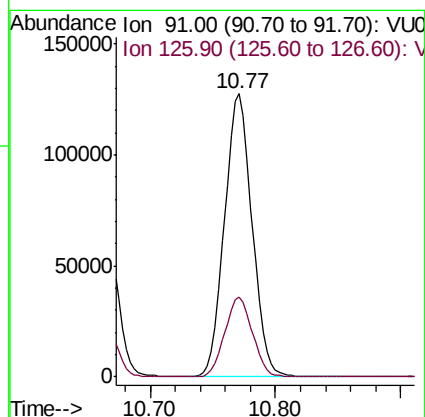
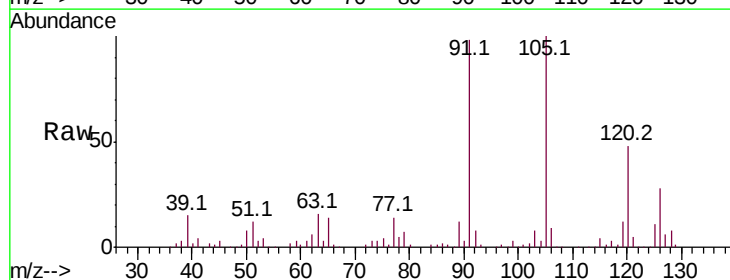
Delta R.T. -0.00 min

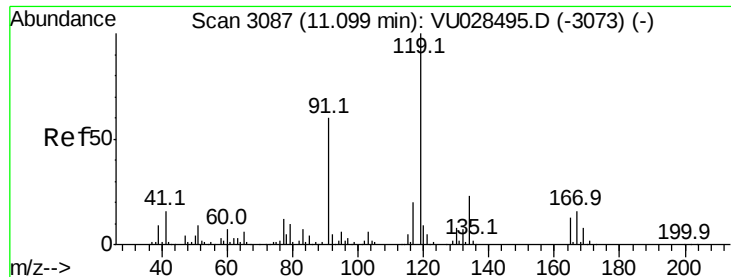
Lab File: VU028736.D

Acq: 17 Dec 2018 21:57

Tgt Ion: 91 Resp: 195057

Ion	Ratio	Lower	Upper
91	100		
126	28.5	14.1	42.3

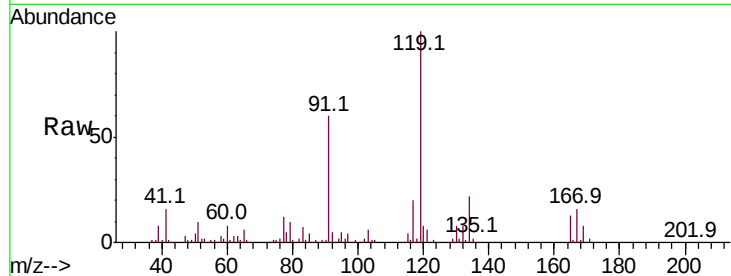




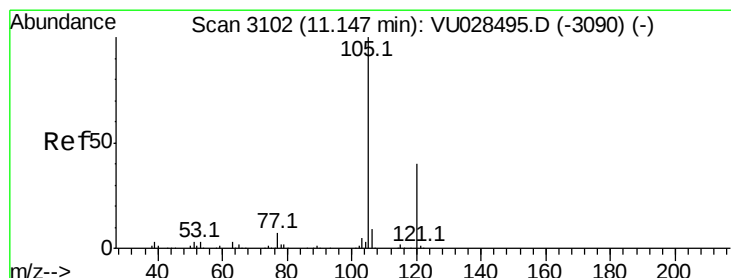
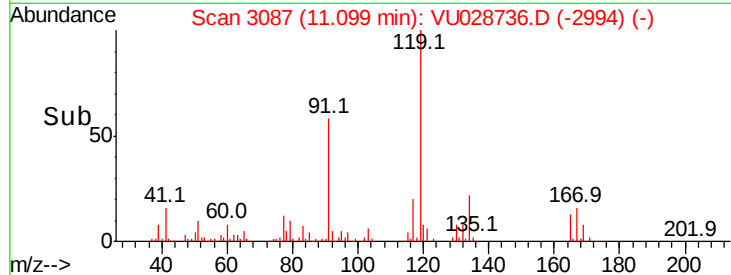
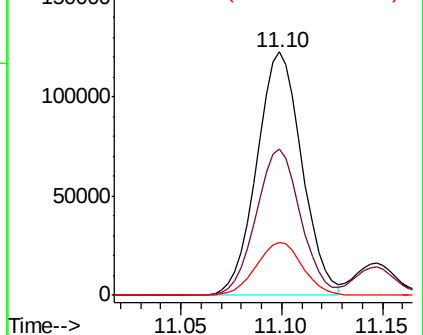
#83
 tert-Butylbenzene
 Concen: 52.500 ug/l
 RT: 11.10 min Scan# 3087
 Delta R.T. -0.00 min
 Lab File: VU028736.D
 Acq: 17 Dec 2018 21:57

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
119	100		
91	59.6	30.3	91.0
134	22.2	11.2	33.5

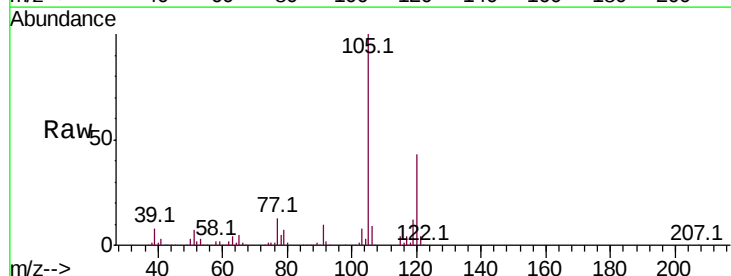


Abundance Ion 119.00 (118.70 to 119.70): V
 Ion 91.00 (90.70 to 91.70): V
 Ion 134.00 (133.70 to 134.70): V

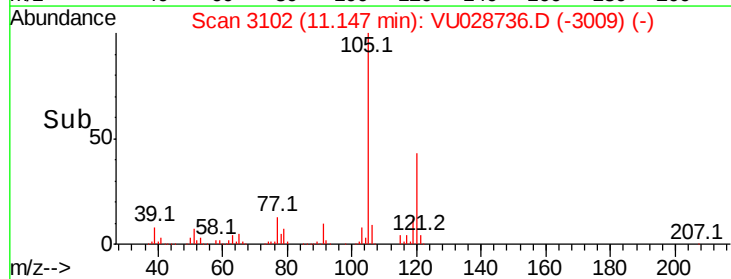
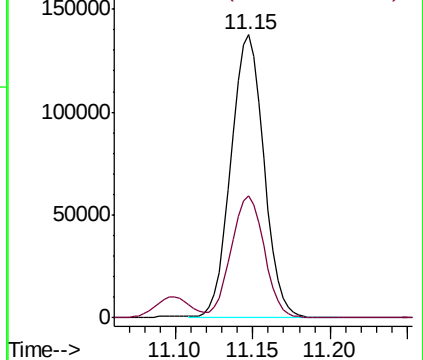


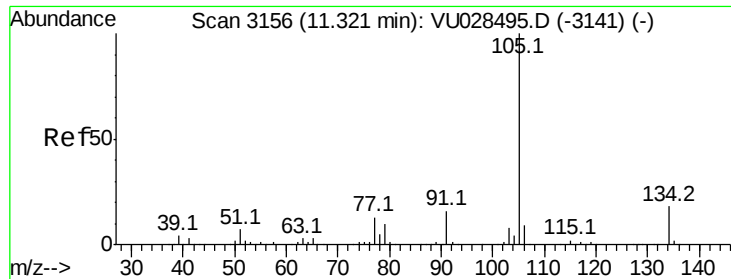
#84
 1,2,4-Trimethylbenzene
 Concen: 51.974 ug/l
 RT: 11.15 min Scan# 3102
 Delta R.T. -0.00 min
 Lab File: VU028736.D
 Acq: 17 Dec 2018 21:57

Tgt Ion	Ratio	Lower	Upper
105	100		
120	43.7	21.8	65.4



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





#85

sec-Butylbenzene

Concen: 51.740 ug/l

RT: 11.32 min Scan# 3157

Delta R.T. 0.00 min

Lab File: VU028736.D

Acq: 17 Dec 2018 21:57

Instrument :

MSVOA_U

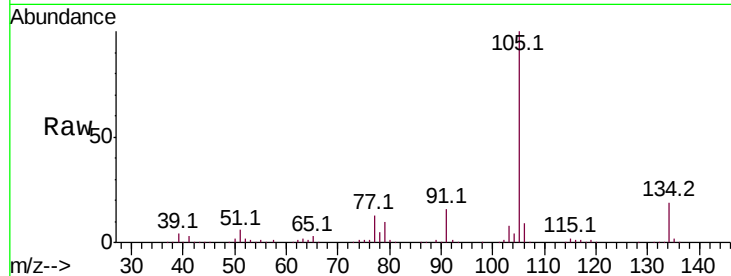
ClientSampleId :

Tot Ion:105 Resp: 242013

Ion Ratio Lower Upper

105 100

134 18.2 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

150000

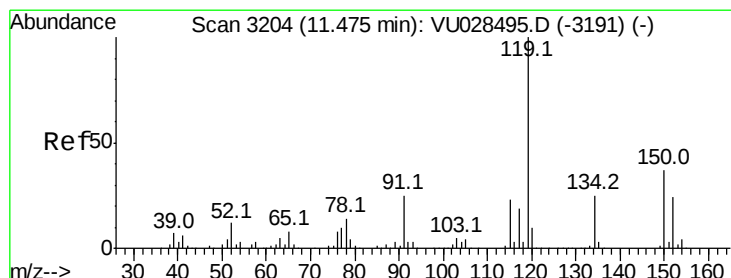
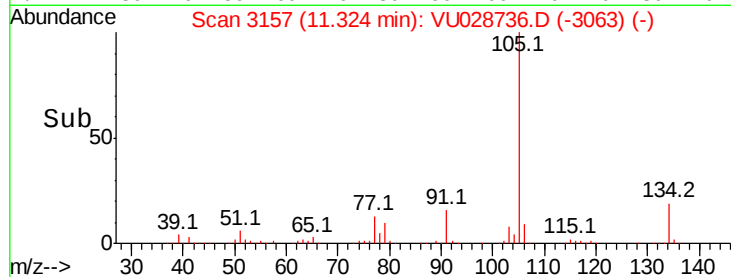
100000

50000

0

Time-->

11.30 11.40



#86

p-Isopropyltoluene

Concen: 50.689 ug/l

RT: 11.48 min Scan# 3204

Delta R.T. -0.00 min

Lab File: VU028736.D

Acq: 17 Dec 2018 21:57

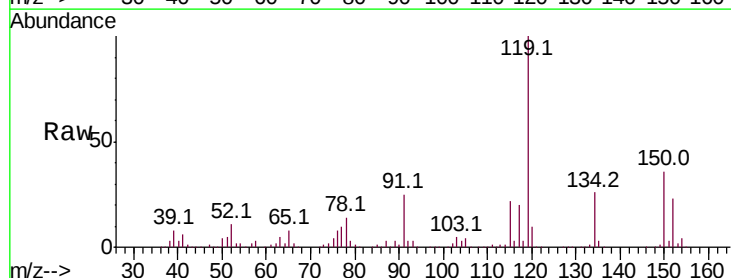
Tgt Ion:119 Resp: 201408

Ion Ratio Lower Upper

119 100

134 25.9 12.7 38.1

91 24.6 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

150000

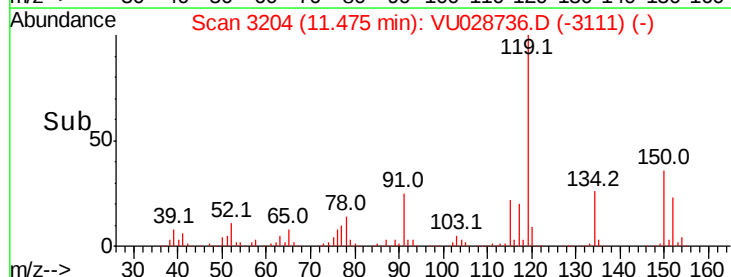
100000

50000

0

Time-->

11.40 11.45 11.50 11.55

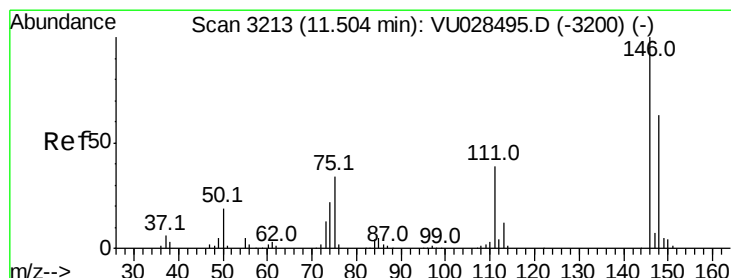
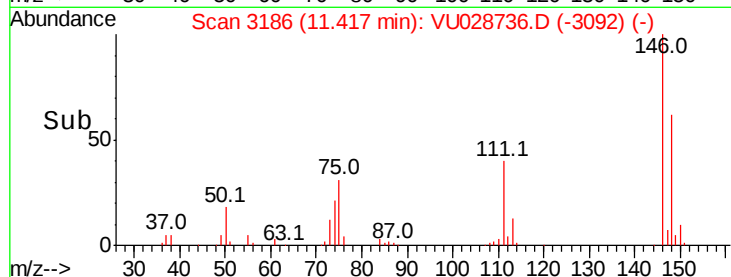
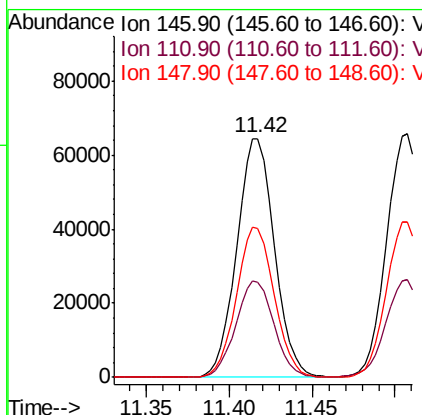
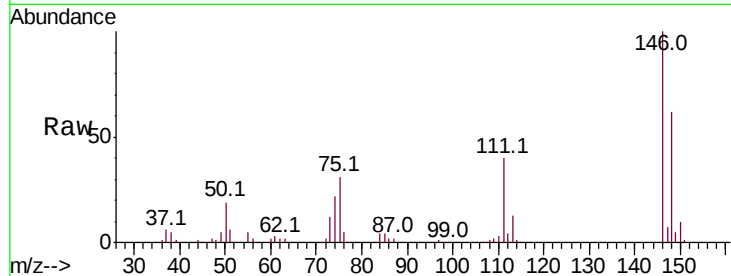




#87
 1,3-Dichlorobenzene
 Concen: 50.502 ug/l
 RT: 11.42 min Scan# 3186
 Delta R.T. 0.00 min
 Lab File: VU028736.D
 Acq: 17 Dec 2018 21:57

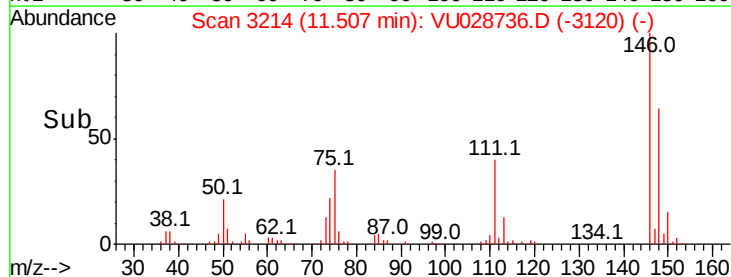
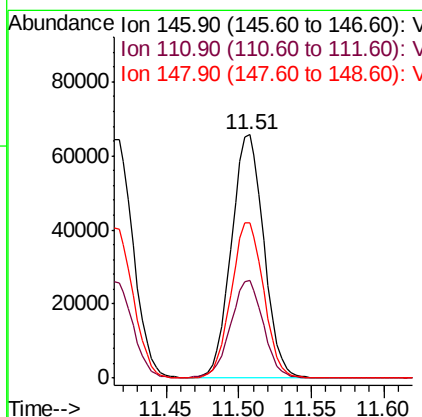
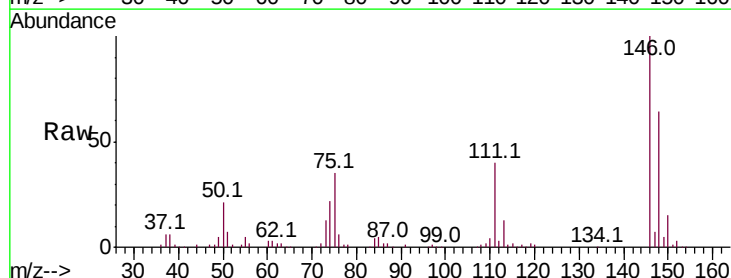
Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion:146 Resp: 101778
 Ion Ratio Lower Upper
 146 100
 111 40.9 20.7 62.1
 148 62.9 31.9 95.7



#88
 1,4-Dichlorobenzene
 Concen: 49.102 ug/l
 RT: 11.51 min Scan# 3214
 Delta R.T. 0.00 min
 Lab File: VU028736.D
 Acq: 17 Dec 2018 21:57

Tgt Ion:146 Resp: 102381
 Ion Ratio Lower Upper
 146 100
 111 40.5 20.2 60.5
 148 64.0 31.6 95.0





#89

n-Butylbenzene

Concen: 49.085 ug/l

RT: 11.89 min Scan# 3332

Delta R.T. -0.00 min

Lab File: VU028736.D

Acq: 17 Dec 2018 21:57

Instrument :

MSVOA_U

ClientSampleId :

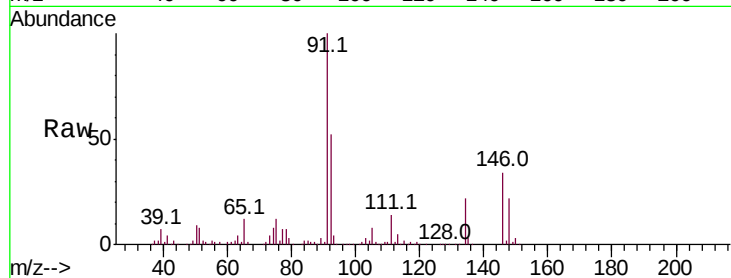
Tot Ion: 91 Resp: 197385

Ion Ratio Lower Upper

91 100

92 52.1 26.3 78.9

134 22.5 11.3 33.8



Abundance Ion 91.00 (90.70 to 91.70): VU028495.D (-3319) (-)

Ion 92.00 (91.70 to 92.70): VU028495.D (-3319) (-)

Ion 134.00 (133.70 to 134.70): VU028495.D (-3319) (-)

11.89

150000

100000

50000

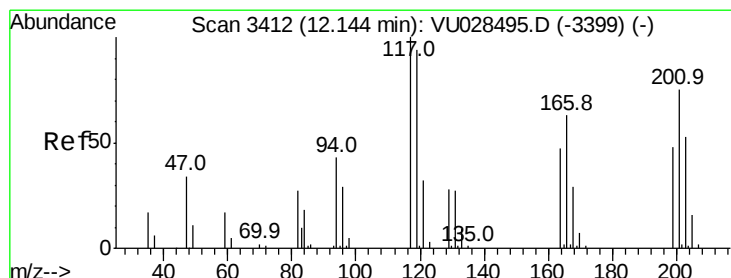
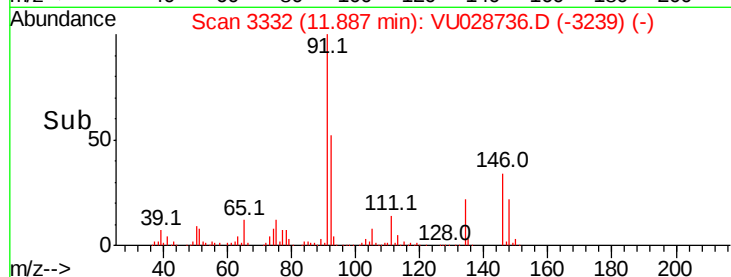
0

Time-->

11.80

11.90

12.00



#90

Hexachloroethane

Concen: 54.284 ug/l

RT: 12.14 min Scan# 3412

Delta R.T. -0.00 min

Lab File: VU028736.D

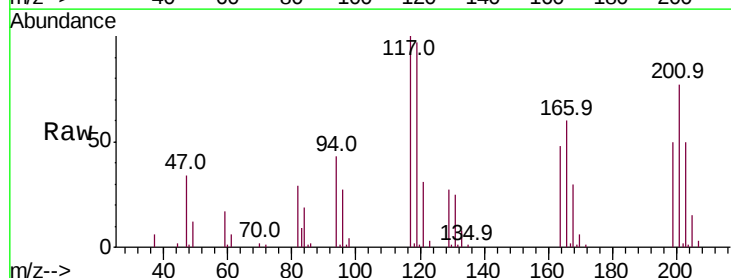
Acq: 17 Dec 2018 21:57

Tgt Ion: 117 Resp: 32601

Ion Ratio Lower Upper

117 100

201 79.0 38.1 114.5



Abundance Ion 116.80 (116.50 to 117.50): VU028495.D (-3399) (-)

Ion 200.70 (200.40 to 201.40): VU028495.D (-3399) (-)

12.14

20000

15000

10000

5000

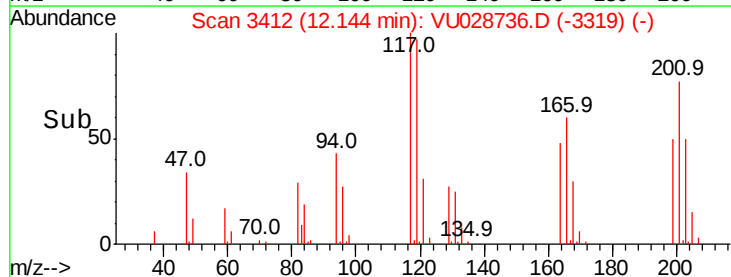
0

Time-->

12.10

12.15

12.20

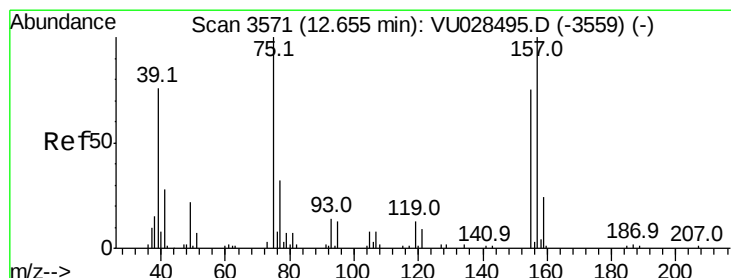
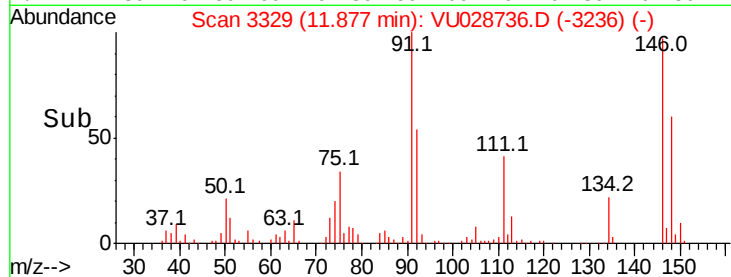
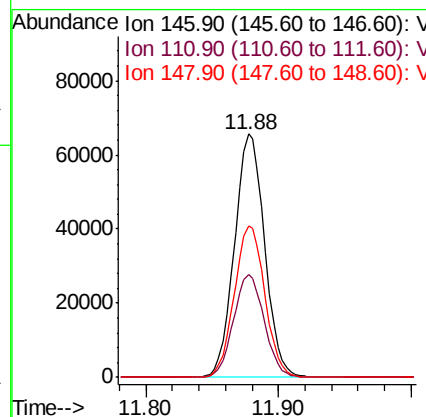
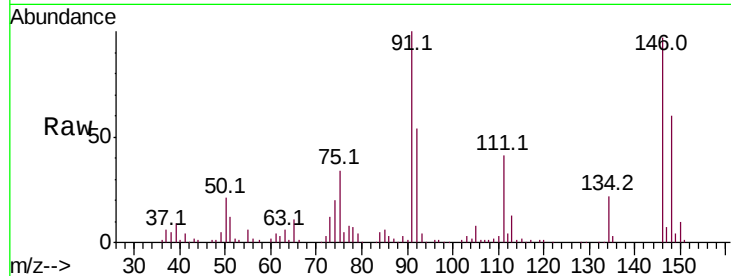




#91
 1,2-Dichlorobenzene
 Concen: 51.297 ug/l
 RT: 11.88 min Scan# 3329
 Delta R.T. -0.00 min
 Lab File: VU028736.D
 Acq: 17 Dec 2018 21:57

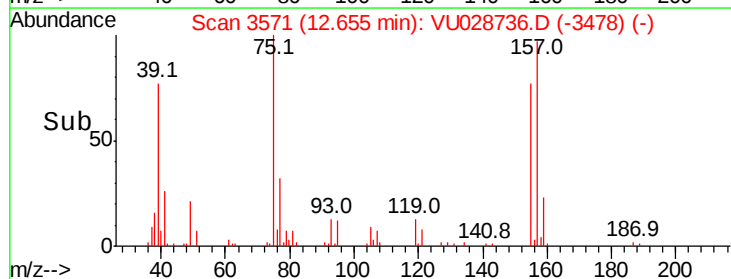
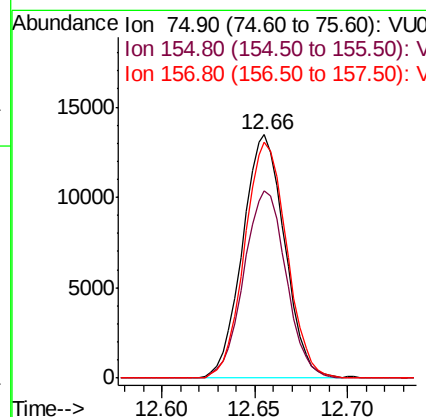
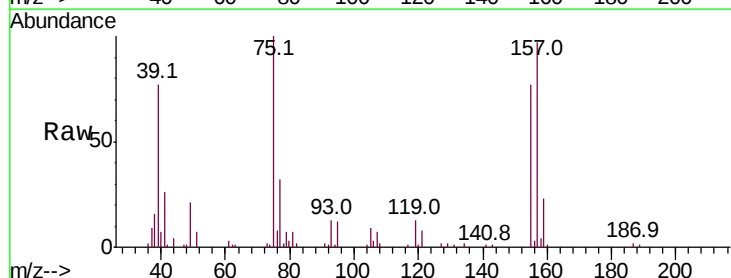
Instrument :
 MSVOA_U
 ClientSampled :

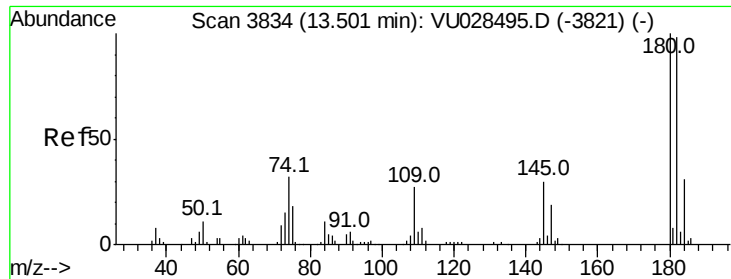
Tot Ion	Ratio	Lower	Upper
146	100		
111	43.0	21.1	63.4
148	63.1	31.4	94.2



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 56.151 ug/l
 RT: 12.66 min Scan# 3571
 Delta R.T. -0.00 min
 Lab File: VU028736.D
 Acq: 17 Dec 2018 21:57

Tgt Ion	Ratio	Lower	Upper
75	100		
155	77.1	38.1	114.5
157	96.8	48.7	146.1

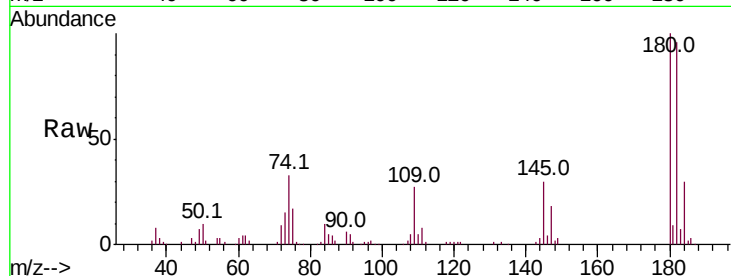




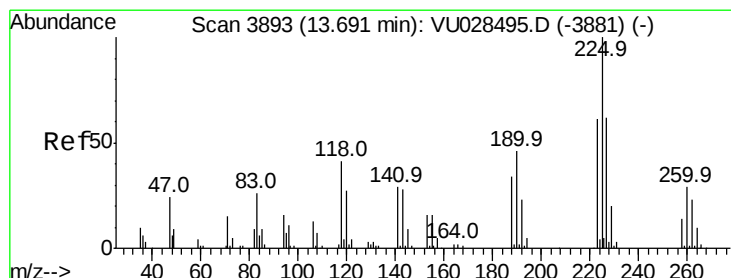
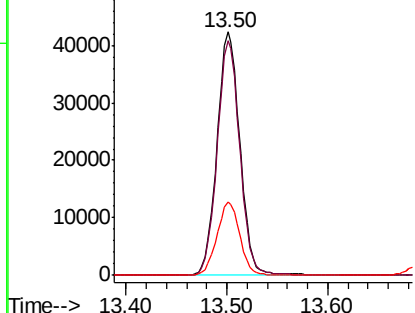
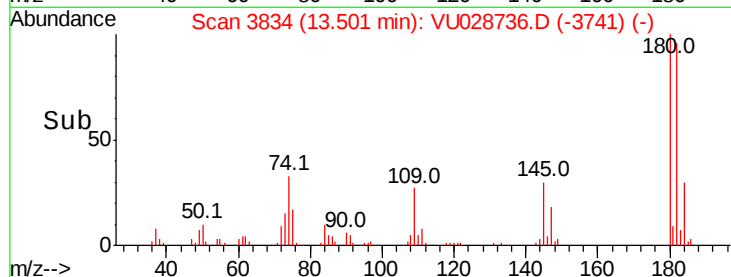
#93
 1,2,4-Trichlorobenzene
 Concen: 48.366 ug/l
 RT: 13.50 min Scan# 3834
 Delta R.T. -0.00 min
 Lab File: VU028736.D
 Acq: 17 Dec 2018 21:57

Instrument :
 MSVOA_U
 ClientSampled :

Tot Ion:180 Resp: 66959
 Ion Ratio Lower Upper
 180 100
 182 95.2 47.9 143.8
 145 30.1 15.0 45.1

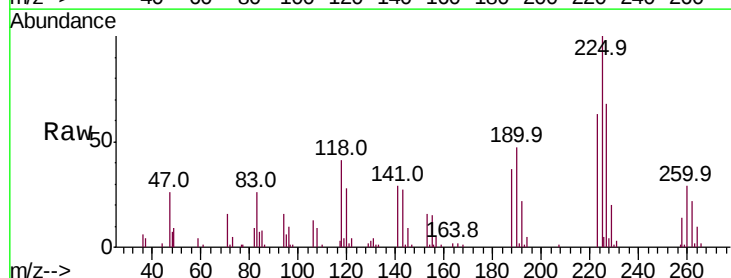


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

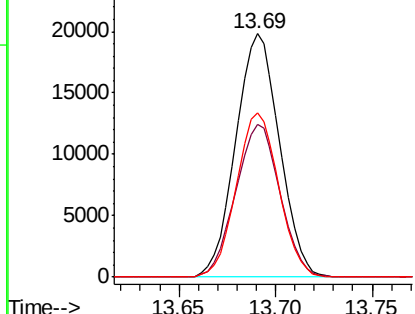
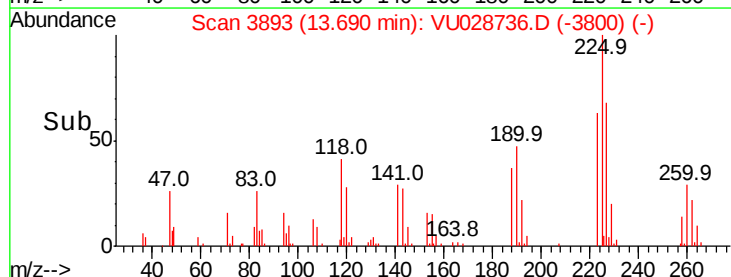


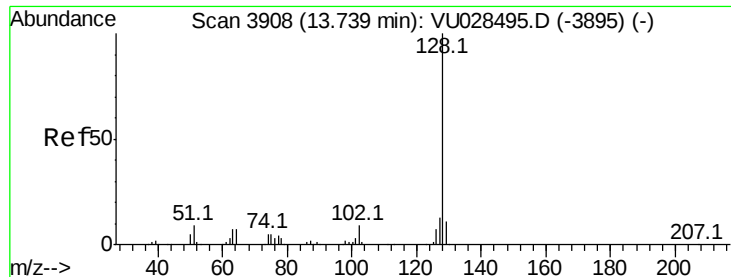
#94
 Hexachlorobutadiene
 Concen: 47.150 ug/l
 RT: 13.69 min Scan# 3893
 Delta R.T. -0.00 min
 Lab File: VU028736.D
 Acq: 17 Dec 2018 21:57

Tgt Ion:225 Resp: 31135
 Ion Ratio Lower Upper
 225 100
 223 63.4 30.4 91.2
 227 65.3 30.7 92.1



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

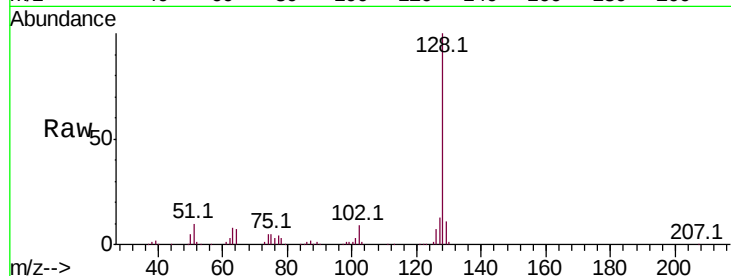




#95
Naphthalene
Concen: 48.346 ug/l
RT: 13.74 min Scan# 3909
Delta R.T. 0.00 min
Lab File: VU028736.D
Acq: 17 Dec 2018 21:57

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.3	10.4	15.6
129	10.8	8.6	13.0

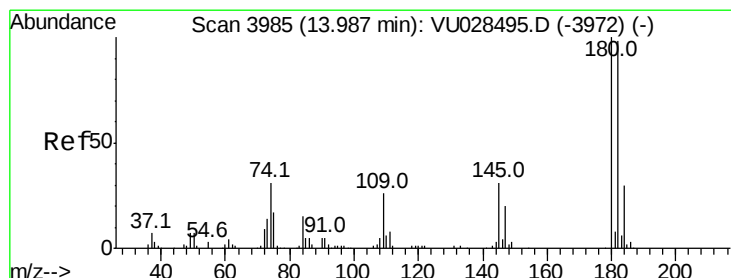
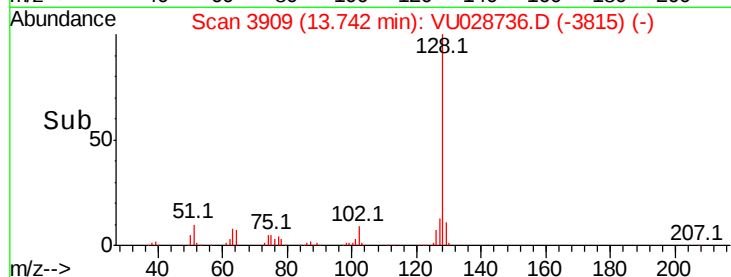
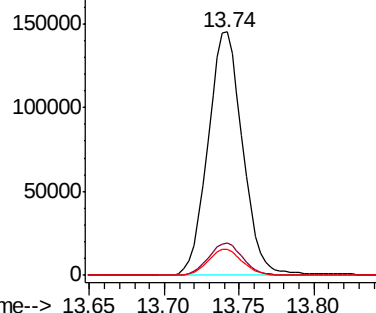


Abundance

Ion 128.00 (127.70 to 128.70): V

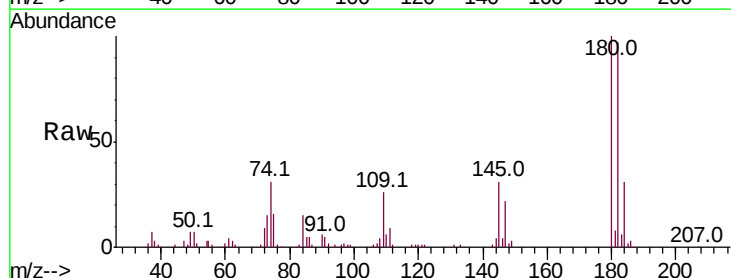
Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96
1,2,3-Trichlorobenzene
Concen: 49.841 ug/l
RT: 13.99 min Scan# 3985
Delta R.T. 0.00 min
Lab File: VU028736.D
Acq: 17 Dec 2018 21:57

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.9	48.2	144.6
145	30.8	15.8	47.3



Abundance

Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

