

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U121518\
 Data File : VU028680.D
 Acq On : 14 Dec 2018 13:49
 Operator : MD/SY
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Dec 15 00:20:41 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	76841	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.88	114	126691	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	121140	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	61115	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.31	65	61495	52.44	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.88%	
35) Dibromofluoromethane	4.88	113	45250	56.76	ug/l	0.00
Spiked Amount	50.000		Recovery	=	113.52%	
50) Toluene-d8	7.56	98	174646	55.37	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.74%	
62) 4-Bromofluorobenzene	10.30	95	66342	56.28	ug/l	0.00
Spiked Amount	50.000		Recovery	=	112.56%	

Target Compounds					Qvalue
2) Dichlorodifluoromethane	1.21	85	48323	46.918	ug/l 96
3) Chloromethane	1.33	50	80653	42.594	ug/l 99
4) Vinyl Chloride	1.40	62	63082	46.163	ug/l 100
5) Bromomethane	1.61	94	26055	47.333	ug/l 99
6) Chloroethane	1.68	64	36451	47.118	ug/l 99
7) Trichlorofluoromethane	1.88	101	69847	48.582	ug/l 97
8) Diethyl Ether	2.10	74	30830	45.834	ug/l 95
9) 1,1,2-Trichlorotrifluoroet	2.28	101	41506	48.271	ug/l 99
10) Methyl Iodide	2.41	142	42493	62.982	ug/l 99
11) Tert butyl alcohol	2.83	59	65250	249.751	ug/l 99
12) 1,1-Dichloroethene	2.28	96	38885	45.451	ug/l 96
13) Acrolein	2.19	56	57418	275.685	ug/l 97
14) Allyl chloride	2.59	41	93855	46.373	ug/l 99
15) Acrylonitrile	2.93	53	186093	256.559	ug/l 99
16) Acetone	2.32	43	191677	250.491	ug/l 99
17) Carbon Disulfide	2.48	76	136676	44.345	ug/l 100
18) Methyl Acetate	2.61	43	109998	55.454	ug/l 98
19) Methyl tert-butyl Ether	3.00	73	156891	48.375	ug/l 98
20) Methylene Chloride	2.70	84	51072	45.276	ug/l 97
21) trans-1,2-Dichloroethene	2.98	96	45502	47.238	ug/l 98
22) Diisopropyl ether	3.57	45	198299	50.383	ug/l 99
23) Vinyl Acetate	3.52	43	823753	253.741	ug/l 99
24) 1,1-Dichloroethane	3.44	63	100254	48.661	ug/l 99
25) 2-Butanone	4.26	43	274384	262.386	ug/l 99
26) 2,2-Dichloropropane	4.22	77	79251	48.547	ug/l 99
27) cis-1,2-Dichloroethene	4.22	96	52505	48.158	ug/l 99
28) Bromochloromethane	4.55	49	50162	53.558	ug/l 97
29) Tetrahydrofuran	4.64	42	173969	259.034	ug/l 99
30) Chloroform	4.67	83	91138	50.755	ug/l 93
31) Cyclohexane	4.99	56	95588	47.484	ug/l 96
32) 1,1,1-Trichloroethane	4.91	97	74709	50.096	ug/l 99
36) 1,1-Dichloropropene	5.13	75	70514	50.863	ug/l 99
37) Ethyl Acetate	4.38	43	97127	54.196	ug/l 98
38) Carbon Tetrachloride	5.13	117	60487	54.132	ug/l 97

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Quant Time: Dec 15 00:20:41 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U120618W.M
 Quant Title : SW846 8260
 QLast Update : Fri Dec 07 00:39:42 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.41	83	82365	48.698	ug/l	99
40) Benzene	5.39	78	212315	51.998	ug/l	97
41) Methacrylonitrile	4.54	41	54472	55.501	ug/l	99
42) 1,2-Dichloroethane	5.40	62	75485	52.814	ug/l	99
43) Isopropyl Acetate	5.55	43	153295	54.079	ug/l	98
44) Trichloroethene	6.18	130	47204	51.994	ug/l	96
45) 1,2-Dichloropropane	6.43	63	62677	54.587	ug/l	99
46) Dibromomethane	6.56	93	36499	53.575	ug/l	99
47) Bromodichloromethane	6.75	83	72105	54.390	ug/l	98
48) Methyl methacrylate	6.62	41	77603	55.050	ug/l	99
49) 1,4-Dioxane	6.61	88	25020	1124.070	ug/l	96
51) 4-Methyl-2-Pentanone	7.46	43	494209	276.427	ug/l	99
52) Toluene	7.64	92	125516	52.233	ug/l	100
53) t-1,3-Dichloropropene	7.88	75	85170	53.943	ug/l	100
54) cis-1,3-Dichloropropene	7.27	75	90397	52.771	ug/l	99
55) 1,1,2-Trichloroethane	8.06	97	52598	55.373	ug/l	98
56) Ethyl methacrylate	8.02	69	85566	52.603	ug/l	98
57) 1,3-Dichloropropane	8.24	76	92967	52.724	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.12	63	234055	280.920	ug/l	100
59) 2-Hexanone	8.36	43	386803	272.962	ug/l	100
60) Dibromochloromethane	8.48	129	50918	54.750	ug/l	99
61) 1,2-Dibromoethane	8.58	107	54031	54.242	ug/l	99
64) Tetrachloroethene	8.22	164	40089	49.613	ug/l	98
65) Chlorobenzene	9.12	112	131068	50.774	ug/l	100
66) 1,1,1,2-Tetrachloroethane	9.21	131	45438	55.122	ug/l	99
67) Ethyl Benzene	9.25	91	241919	50.980	ug/l	100
68) m/p-Xylenes	9.37	106	178997	103.663	ug/l	99
69) o-Xylene	9.78	106	86128	51.327	ug/l	100
70) Styrene	9.79	104	143822	51.790	ug/l	99
71) Bromoform	9.96	173	39894	56.891	ug/l	# 100
73) Isopropylbenzene	10.16	105	231160	49.292	ug/l	100
74) N-amyl acetate	10.01	43	137676	50.895	ug/l	99
75) 1,1,2,2-Tetrachloroethane	10.46	83	94205	52.293	ug/l	100
76) 1,2,3-Trichloropropane	10.49	75	113658	72.830	ug/l	82
77) Bromobenzene	10.45	156	54668	49.844	ug/l	98
78) n-propylbenzene	10.59	91	290456	49.845	ug/l	100
79) 2-Chlorotoluene	10.66	91	169182	50.402	ug/l	99
80) 1,3,5-Trimethylbenzene	10.77	105	196992	50.746	ug/l	100
81) trans-1,4-Dichloro-2-buten	10.49	75	113658	177.714	ug/l	# 100
82) 4-Chlorotoluene	10.77	91	195970	49.268	ug/l	100
83) tert-Butylbenzene	11.10	119	187615	50.143	ug/l	99
84) 1,2,4-Trimethylbenzene	11.15	105	202236	50.551	ug/l	99
85) sec-Butylbenzene	11.32	105	241058	50.150	ug/l	100
86) p-Isopropyltoluene	11.48	119	202162	49.511	ug/l	99
87) 1,3-Dichlorobenzene	11.41	146	101752	49.132	ug/l	99
88) 1,4-Dichlorobenzene	11.50	146	104867	48.942	ug/l	99
89) n-Butylbenzene	11.89	91	206855	50.057	ug/l	99
90) Hexachloroethane	12.14	117	34218	55.444	ug/l	100
91) 1,2-Dichlorobenzene	11.88	146	103991	50.199	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	12.66	75	20845	53.447	ug/l	97

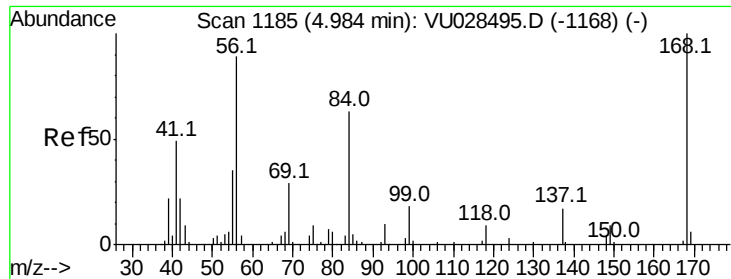
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA U\DATA\VU121518\
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Quant Title : SW846 8260
QLast Update : Fri Dec 07 00:39:42 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.50	180	69170	48.615	ug/l	99
94) Hexachlorobutadiene	13.69	225	33613	49.534	ug/l	98
95) Naphthalene	13.74	128	235964	47.468	ug/l	100
96) 1,2,3-Trichlorobenzene	13.99	180	69866	49.316	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.98 min Scan# 1184

Delta R.T. -0.00 min

Lab File: VU028680.D

Acq: 14 Dec 2018 13:49

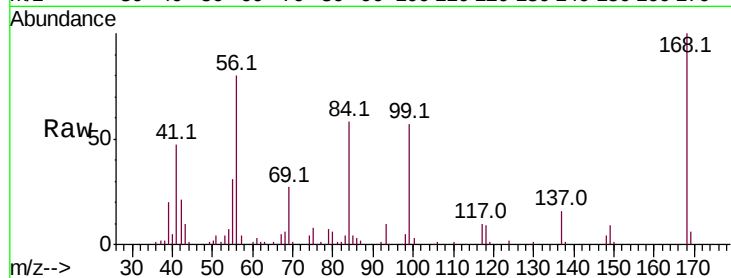
Instrument :
MSVOA_U
ClientSampled :

Tot Ion:168 Resp: 76841

Ion Ratio Lower Upper

168 100

99 56.8 46.6 69.8

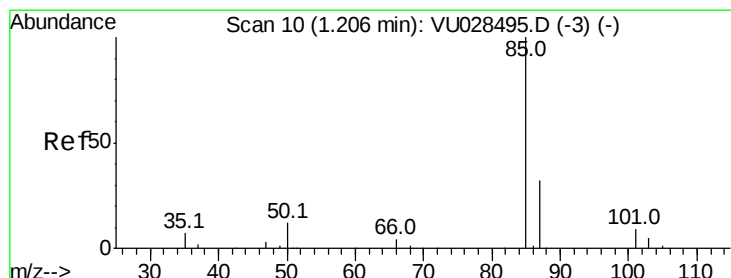
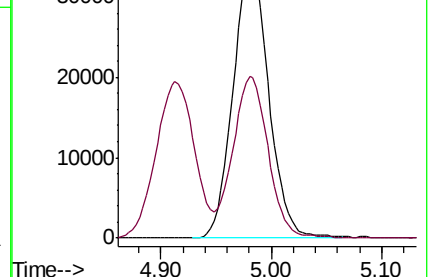
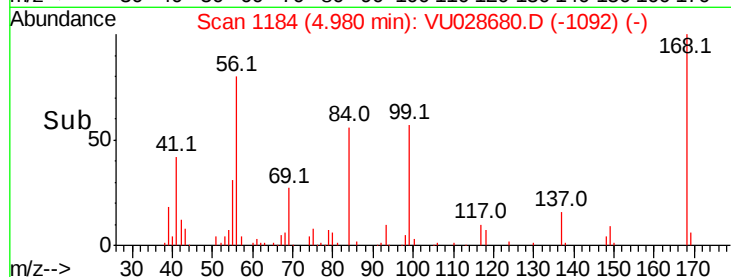


Abundance Ion 167.90 (167.60 to 168.60): VU028495.D (-1168) (-)

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

4.98

Time-->



#2

Dichlorodifluoromethane

Concen: 46.918 ug/l

RT: 1.21 min Scan# 10

Delta R.T. -0.00 min

Lab File: VU028680.D

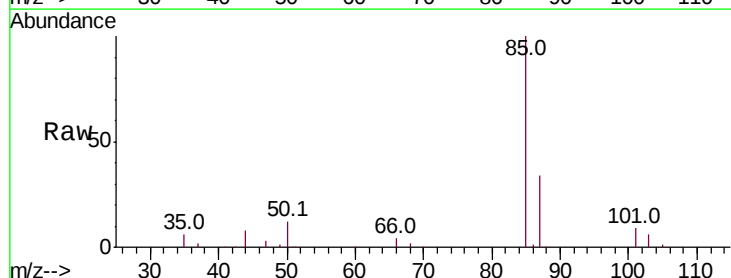
Acq: 14 Dec 2018 13:49

Tgt Ion: 85 Resp: 48323

Ion Ratio Lower Upper

85 100

87 33.7 15.9 47.6

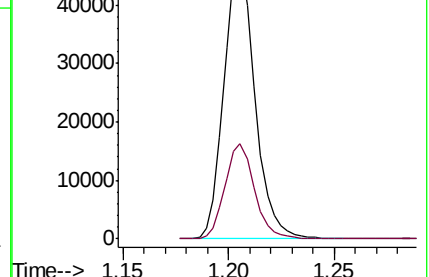
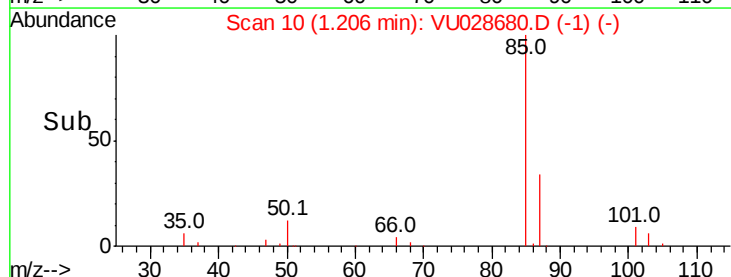


Abundance Ion 84.90 (84.60 to 85.60): VU028495.D (-3) (-)

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

1.21

Time-->

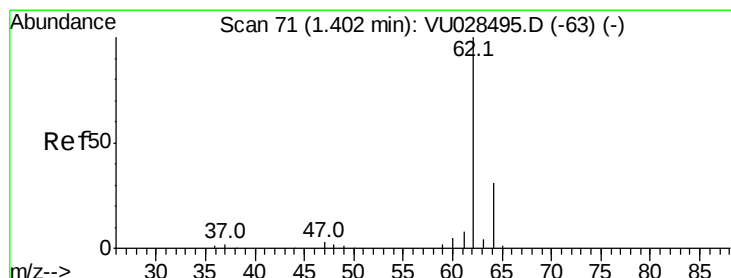
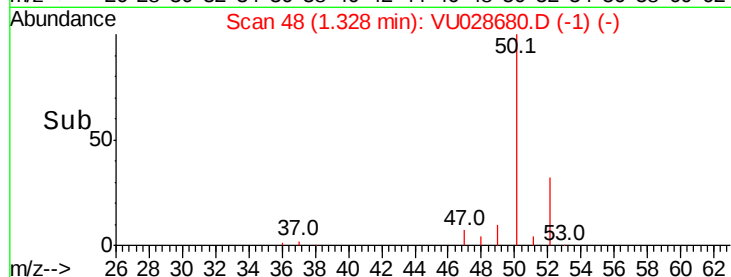
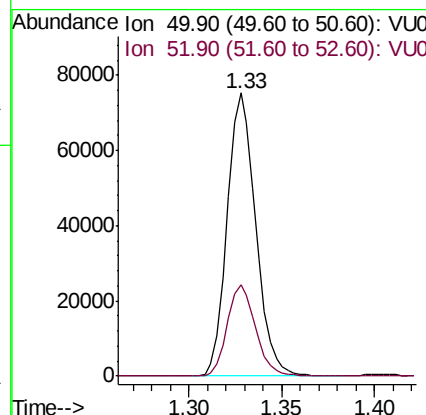
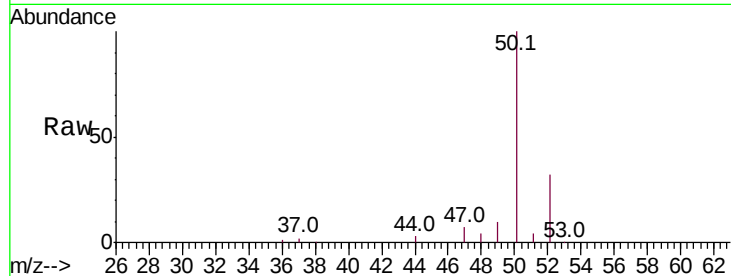




#3
Chloromethane
Concen: 42.594 ug/l
RT: 1.33 min Scan# 48
Delta R.T. -0.00 min
Lab File: VU028680.D
Acq: 14 Dec 2018 13:49

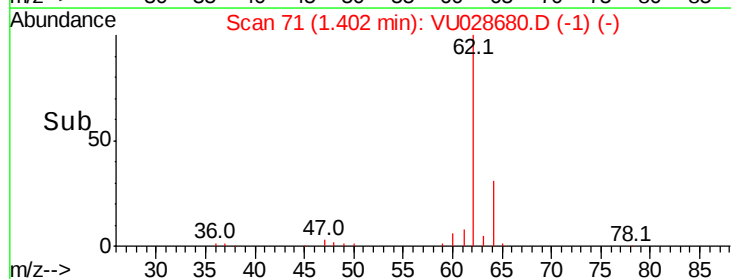
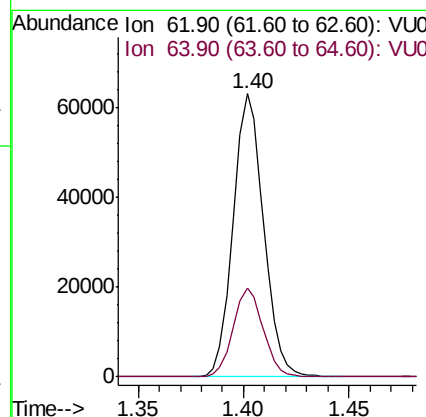
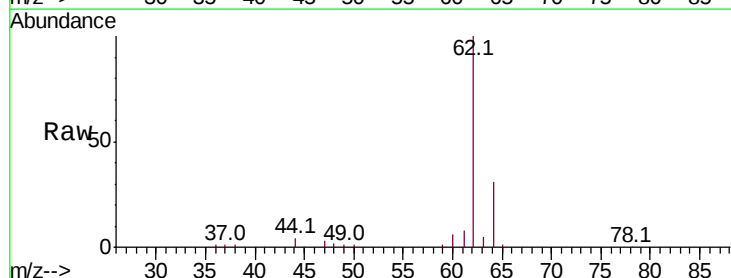
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 50 Resp: 80653
Ion Ratio Lower Upper
50 100
52 32.4 25.5 38.3



#4
Vinyl Chloride
Concen: 46.163 ug/l
RT: 1.40 min Scan# 71
Delta R.T. -0.00 min
Lab File: VU028680.D
Acq: 14 Dec 2018 13:49

Tgt Ion: 62 Resp: 63082
Ion Ratio Lower Upper
62 100
64 31.4 25.1 37.7





#5

Bromomethane

Concen: 47.333 ug/l

RT: 1.61 min Scan# 135

Delta R.T. -0.01 min

Lab File: VU028680.D

Acq: 14 Dec 2018 13:49

Instrument :

MSVOA_U

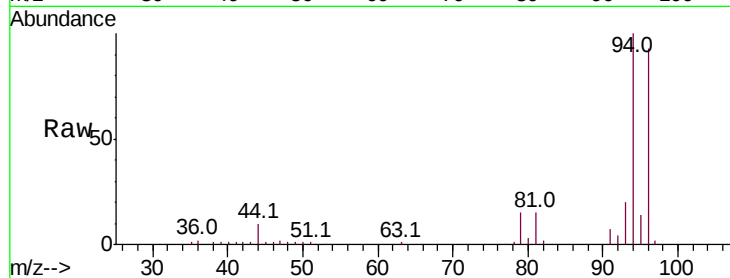
ClientSampleId :

Tot Ion: 94 Resp: 26055

Ion Ratio Lower Upper

94 100

96 92.8 73.2 109.8



Abundance Ion 93.90 (93.60 to 94.60): VU028495.D (-129) (-)

Ion 95.90 (95.60 to 96.60): VU028680.D (-46) (-)

1.61

25000

20000

15000

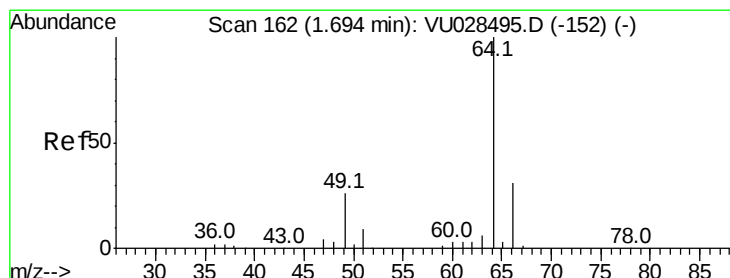
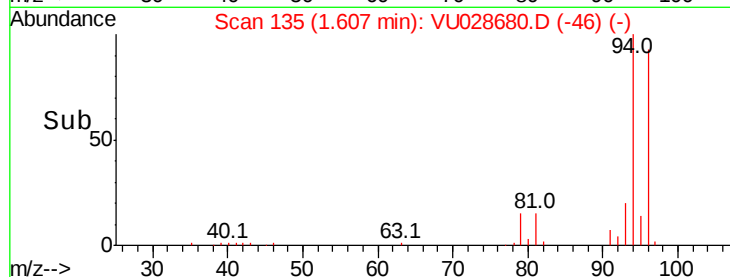
10000

5000

0

Time-->

1.55 1.60 1.65



#6

Chloroethane

Concen: 47.118 ug/l

RT: 1.68 min Scan# 159

Delta R.T. -0.01 min

Lab File: VU028680.D

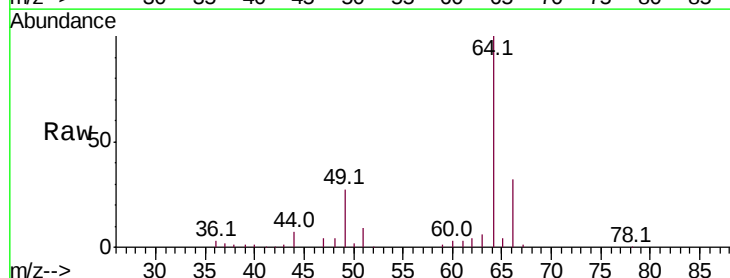
Acq: 14 Dec 2018 13:49

Tgt Ion: 64 Resp: 36451

Ion Ratio Lower Upper

64 100

66 31.9 25.0 37.6



Abundance Ion 63.90 (63.60 to 64.60): VU028495.D (-152) (-)

Ion 65.90 (65.60 to 66.60): VU028680.D (-69) (-)

1.68

30000

25000

20000

15000

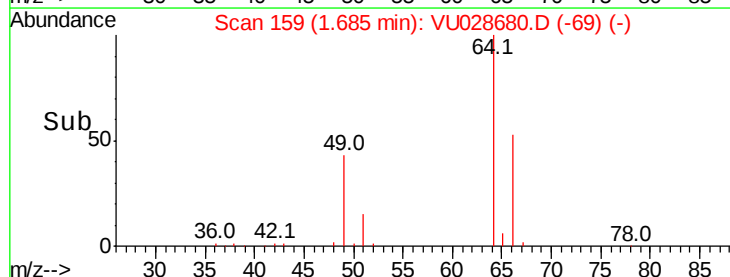
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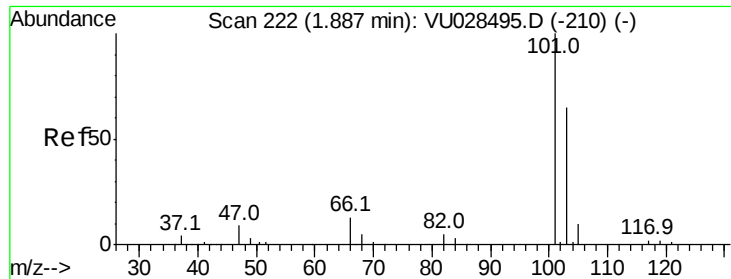
5000

0

Time-->

1.65 1.70 1.75



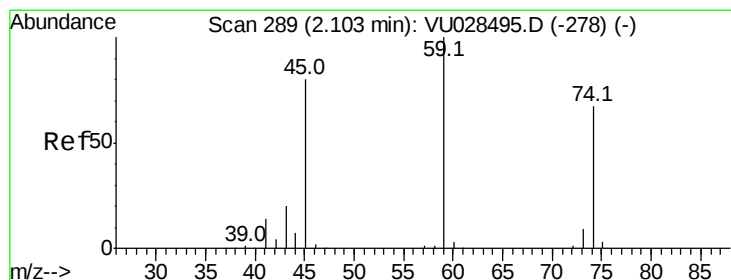
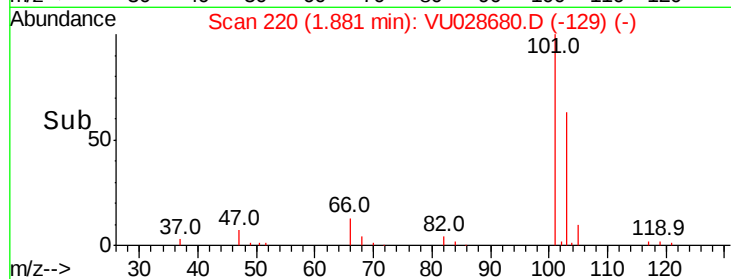
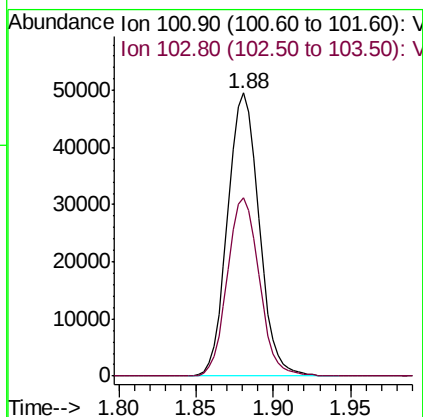
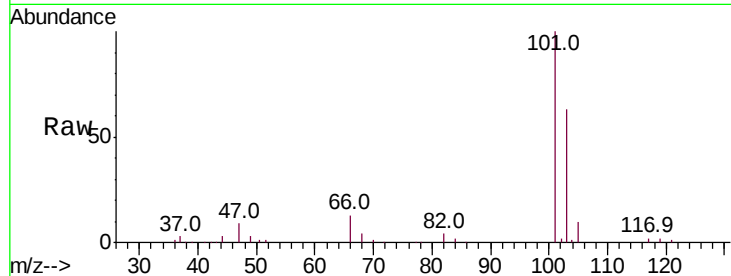


#7

Trichlorofluoromethane
Concen: 48.582 ug/l
RT: 1.88 min Scan# 220
Delta R.T. -0.01 min
Lab File: VU028680.D
Acq: 14 Dec 2018 13:49

Instrument :
MSVOA_U
ClientSampled :

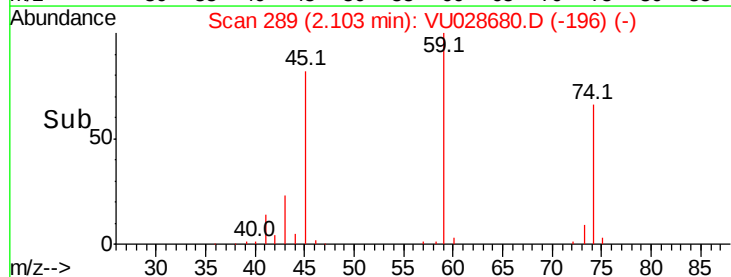
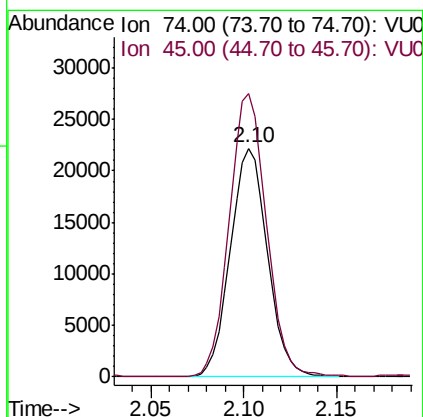
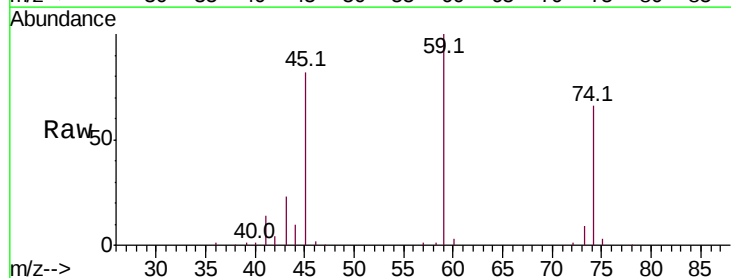
Tot Ion:101 Resp: 69847
Ion Ratio Lower Upper
101 100
103 63.2 52.3 78.5

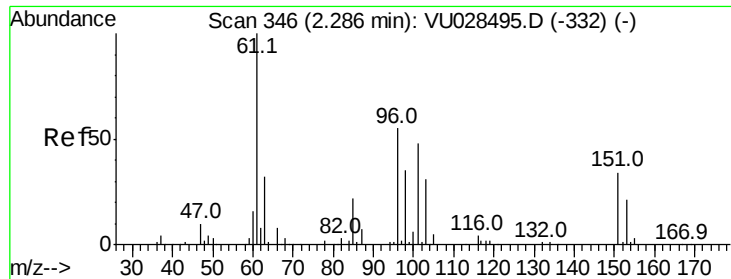


#8

Diethyl Ether
Concen: 45.834 ug/l
RT: 2.10 min Scan# 289
Delta R.T. -0.00 min
Lab File: VU028680.D
Acq: 14 Dec 2018 13:49

Tgt Ion: 74 Resp: 30830
Ion Ratio Lower Upper
74 100
45 124.5 59.7 179.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 48.271 ug/l

RT: 2.28 min Scan# 345

Delta R.T. -0.00 min

Lab File: VU028680.D

Acq: 14 Dec 2018 13:49

Instrument :

MSVOA_U

ClientSampleId :

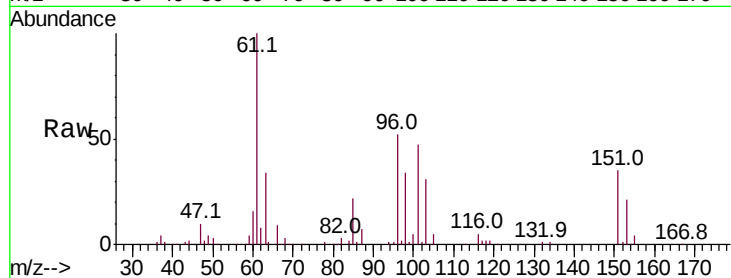
Tot Ion:101 Resp: 41506

Ion Ratio Lower Upper

101 100

85 45.0 36.4 54.6

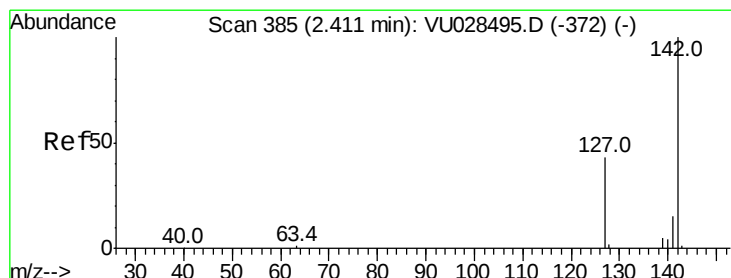
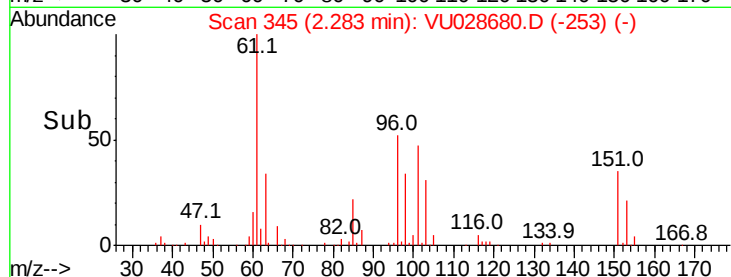
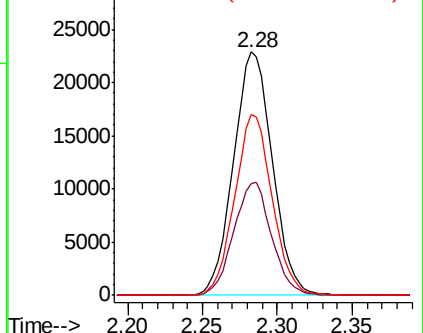
151 71.3 58.2 87.2



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 62.982 ug/l

RT: 2.41 min Scan# 384

Delta R.T. -0.00 min

Lab File: VU028680.D

Acq: 14 Dec 2018 13:49

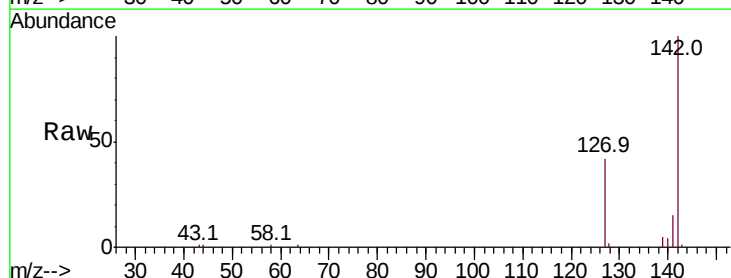
Tgt Ion:142 Resp: 42493

Ion Ratio Lower Upper

142 100

127 42.3 33.5 50.3

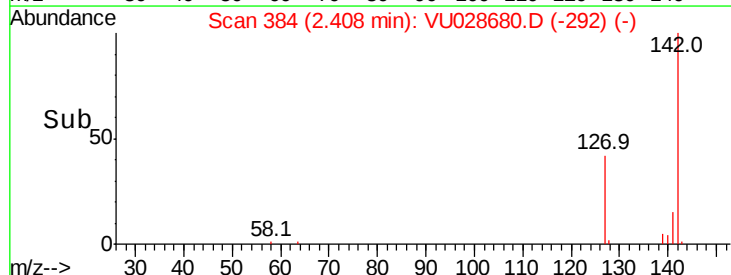
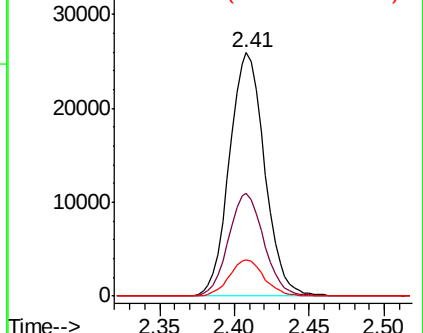
141 14.6 11.2 16.8



Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



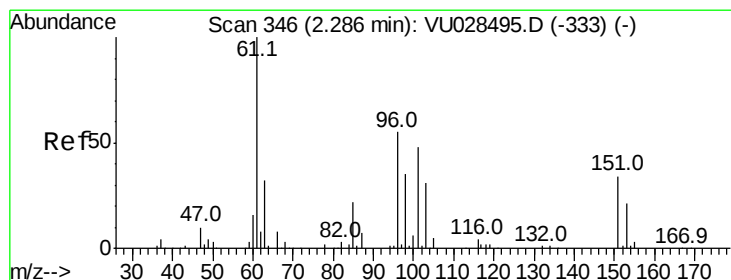
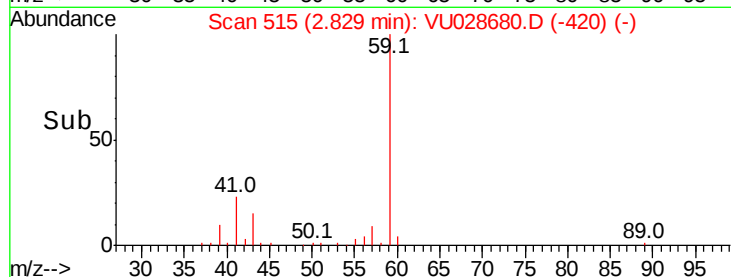
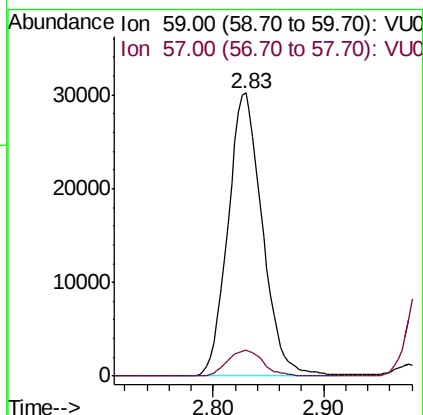
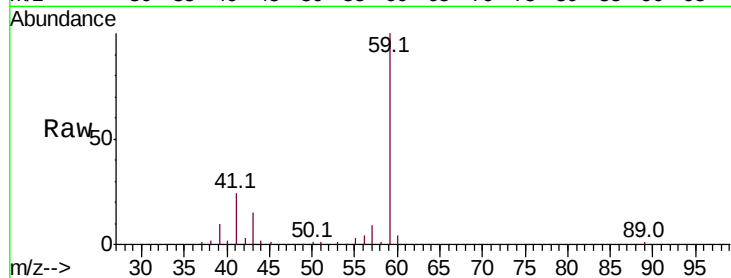


#11

Tert butyl alcohol
 Concen: 249.751 ug/l
 RT: 2.83 min Scan# 515
 Delta R.T. 0.01 min
 Lab File: VU028680.D
 Acq: 14 Dec 2018 13:49

Instrument :
 MSVOA_U
 ClientSampleId :

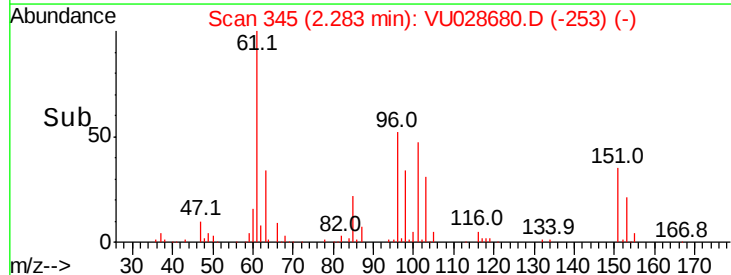
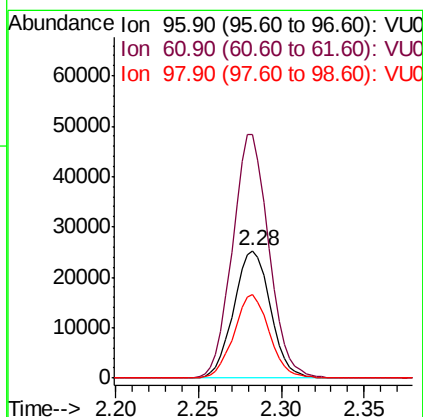
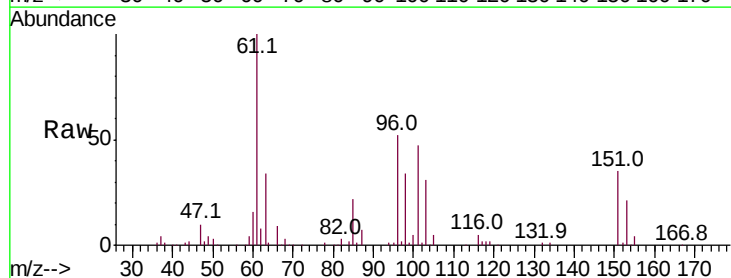
Tot Ion: 59 Resp: 65250
 Ion Ratio Lower Upper
 59 100
 57 9.5 8.0 12.0

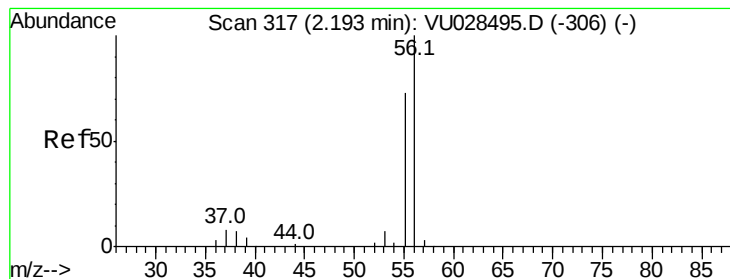


#12

1,1-Dichloroethene
 Concen: 45.451 ug/l
 RT: 2.28 min Scan# 345
 Delta R.T. -0.00 min
 Lab File: VU028680.D
 Acq: 14 Dec 2018 13:49

Tgt Ion: 96 Resp: 38885
 Ion Ratio Lower Upper
 96 100
 61 190.9 146.4 219.6
 98 65.1 51.8 77.8





#13

Acrolein

Concen: 275.685 ug/l

RT: 2.19 min Scan# 317

Delta R.T. -0.00 min

Lab File: VU028680.D

Acq: 14 Dec 2018 13:49

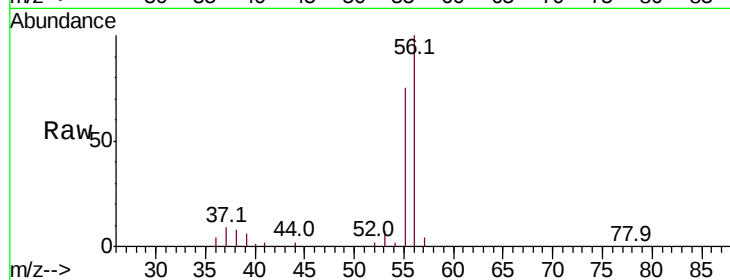
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 56 Resp: 57418

Ion Ratio Lower Upper

56 100

55 74.5 57.5 86.3



Abundance Ion 56.00 (55.70 to 56.70): VU0

Ion 55.00 (54.70 to 55.70): VU0

2.19

40000

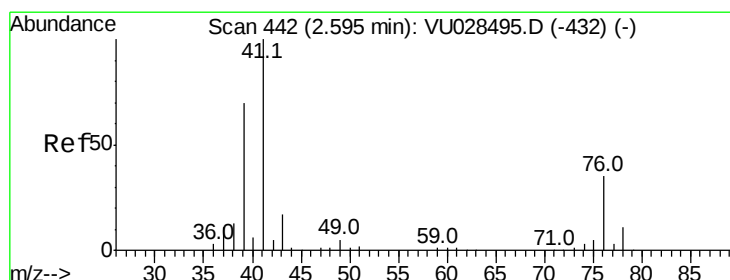
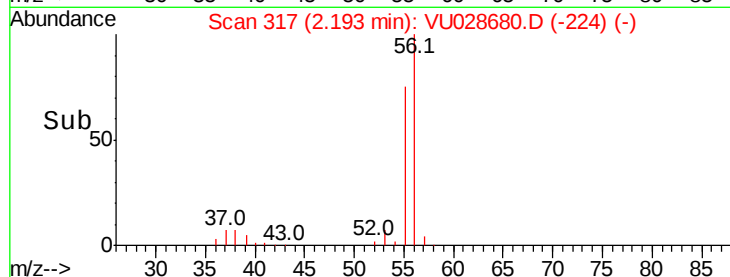
30000

20000

10000

0

Time--> 2.10 2.15 2.20 2.25 2.30



#14

Allyl chloride

Concen: 46.373 ug/l

RT: 2.59 min Scan# 441

Delta R.T. -0.00 min

Lab File: VU028680.D

Acq: 14 Dec 2018 13:49

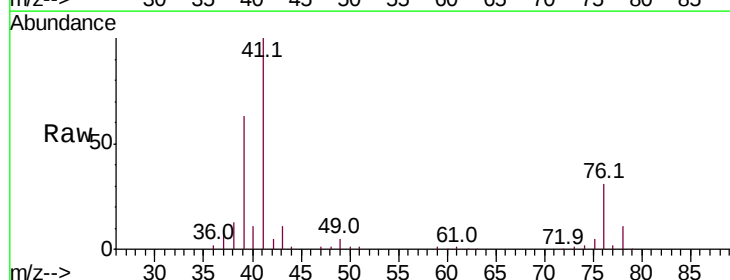
Tgt Ion: 41 Resp: 93855

Ion Ratio Lower Upper

41 100

39 64.3 50.8 76.2

76 30.3 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

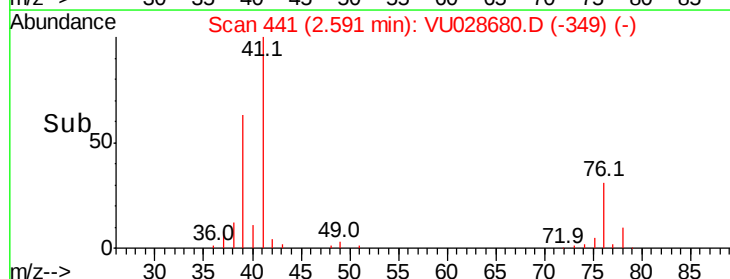
60000

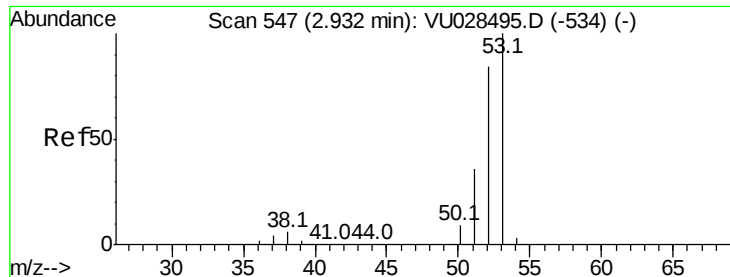
40000

20000

0

Time--> 2.55 2.60 2.65





#15

Acrylonitrile

Concen: 256.559 ug/l

RT: 2.93 min Scan# 547

Delta R.T. -0.00 min

Lab File: VU028680.D

Acq: 14 Dec 2018 13:49

Instrument :
MSVOA_U
ClientSampleId :

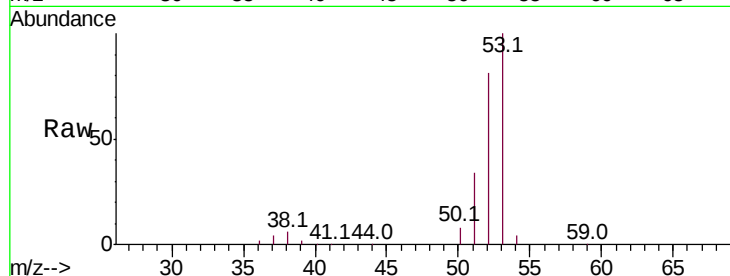
Tot Ion: 53 Resp: 186093

Ion Ratio Lower Upper

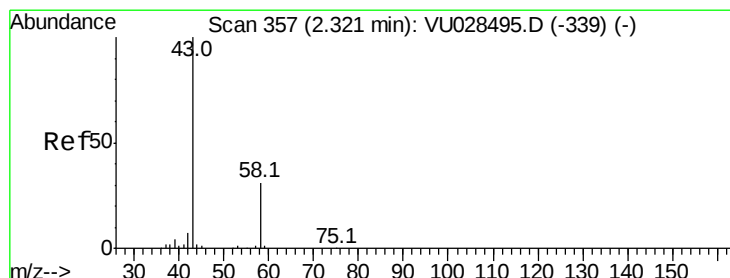
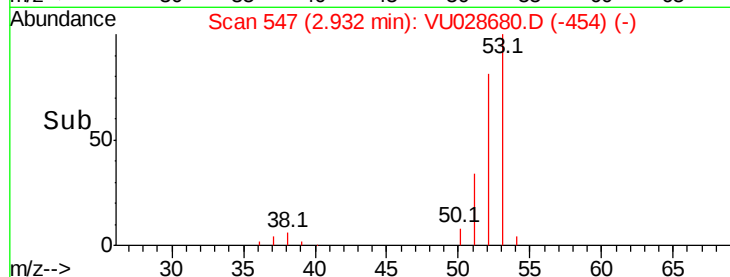
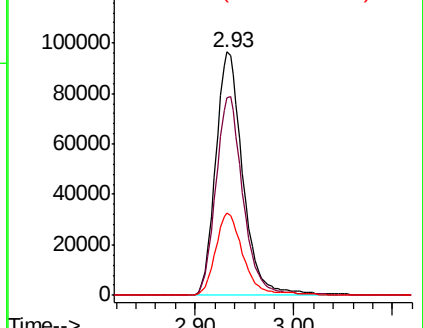
53 100

52 81.9 66.1 99.1

51 34.7 28.1 42.1



Abundance Ion 53.00 (52.70 to 53.70): VU0
Ion 52.00 (51.70 to 52.70): VU0
Ion 51.00 (50.70 to 51.70): VU0



#16

Acetone

Concen: 250.491 ug/l

RT: 2.32 min Scan# 357

Delta R.T. -0.00 min

Lab File: VU028680.D

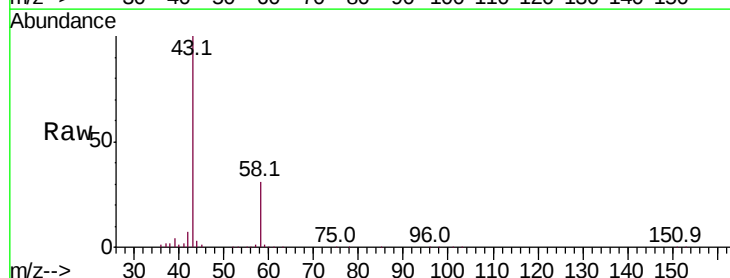
Acq: 14 Dec 2018 13:49

Tgt Ion: 43 Resp: 191677

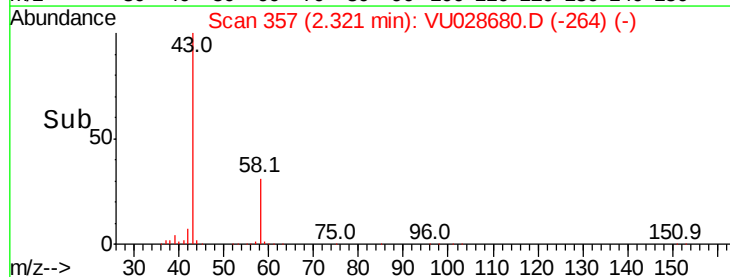
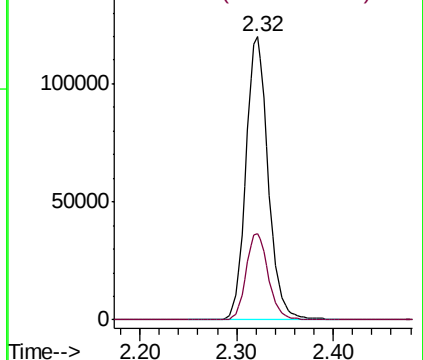
Ion Ratio Lower Upper

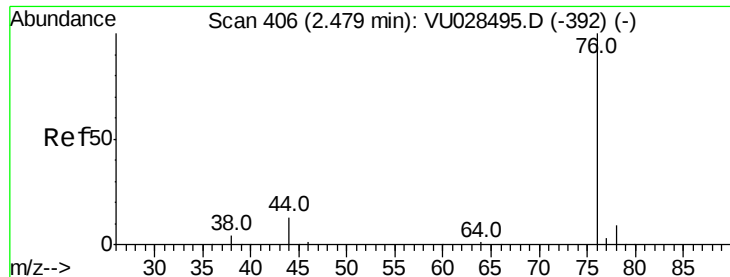
43 100

58 30.5 24.6 37.0



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

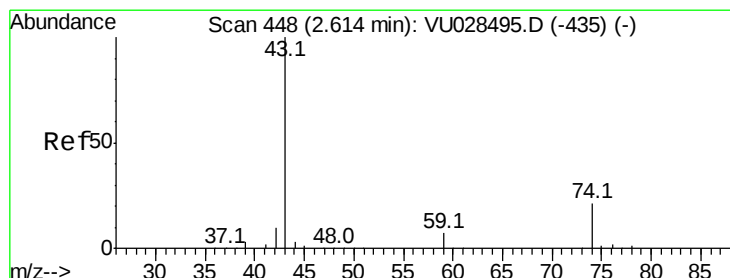
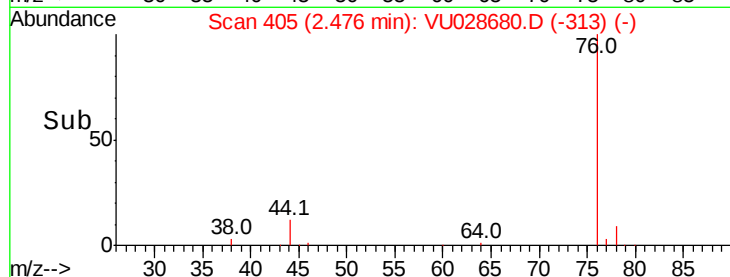
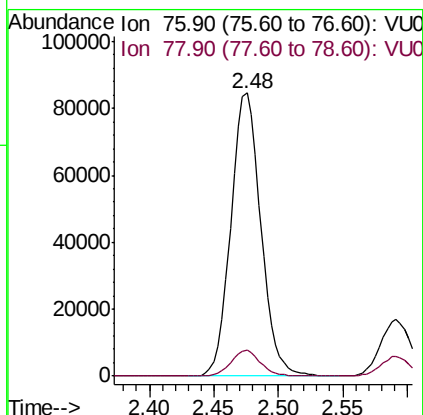
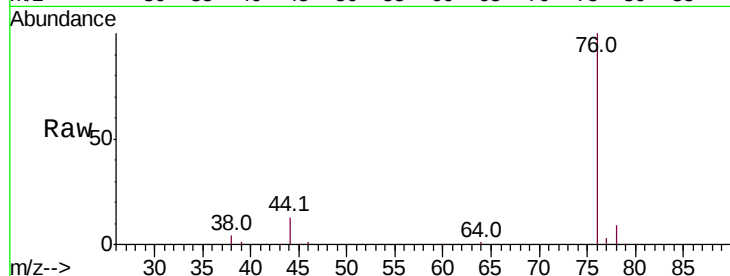




#17
Carbon Disulfide
Concen: 44.345 ug/l
RT: 2.48 min Scan# 405
Delta R.T. -0.00 min
Lab File: VU028680.D
Acq: 14 Dec 2018 13:49

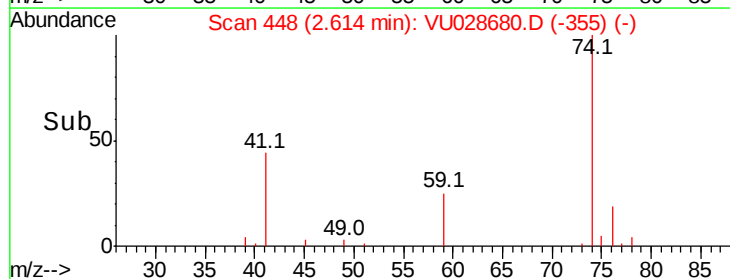
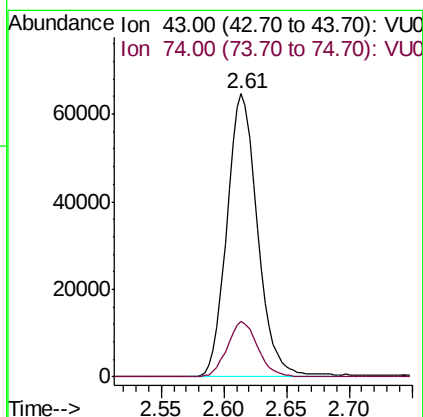
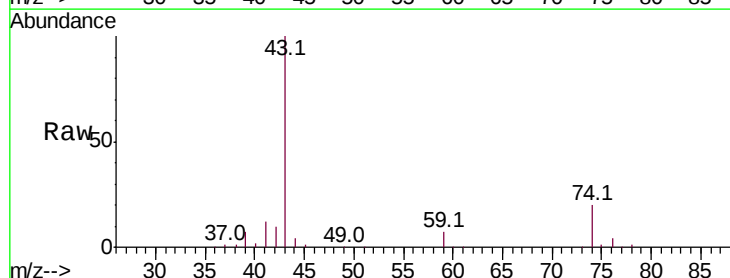
Instrument :
MSVOA_U
ClientSampleId :

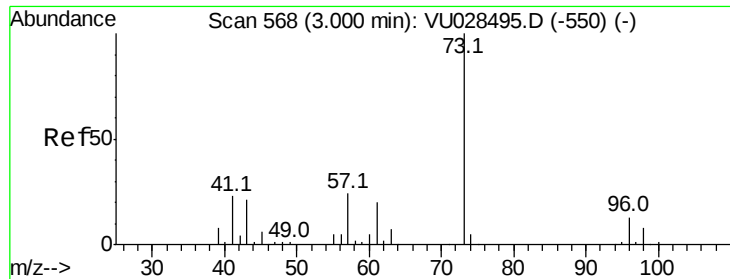
Tot Ion: 76 Resp: 136676
Ion Ratio Lower Upper
76 100
78 9.1 7.2 10.8



#18
Methyl Acetate
Concen: 55.454 ug/l
RT: 2.61 min Scan# 448
Delta R.T. -0.00 min
Lab File: VU028680.D
Acq: 14 Dec 2018 13:49

Tgt Ion: 43 Resp: 109998
Ion Ratio Lower Upper
43 100
74 19.5 16.4 24.6

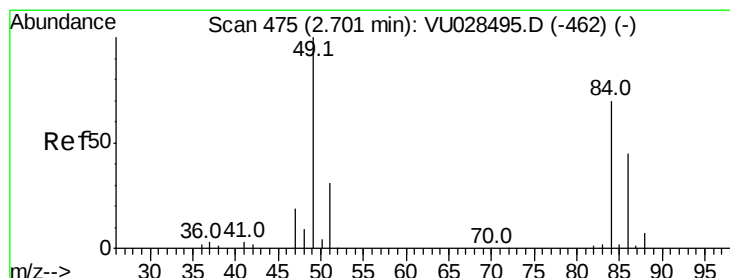
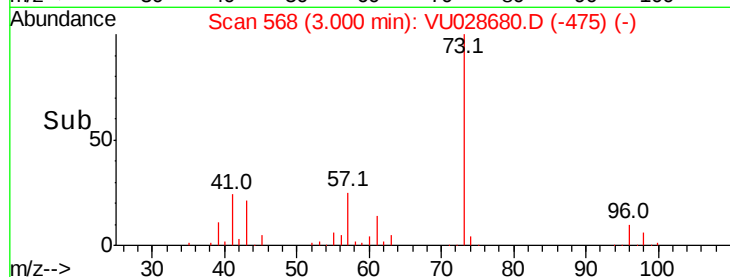
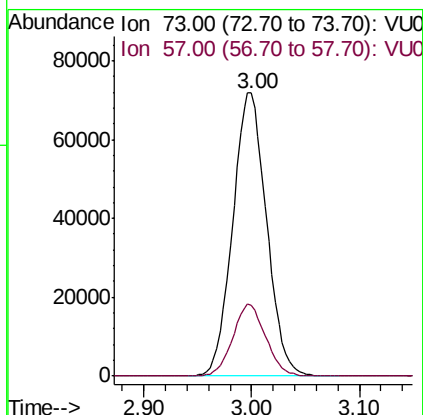
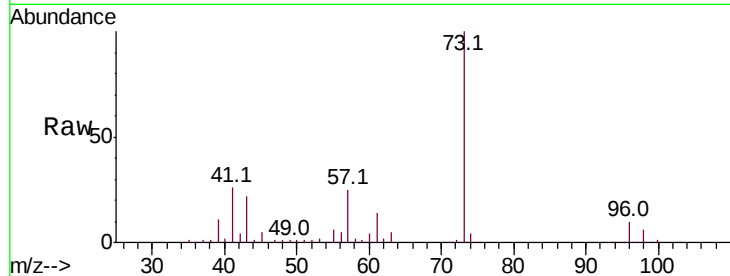




#19
Methyl tert-butyl Ether
Concen: 48.375 ug/l
RT: 3.00 min Scan# 568
Delta R.T. -0.00 min
Lab File: VU028680.D
Acq: 14 Dec 2018 13:49

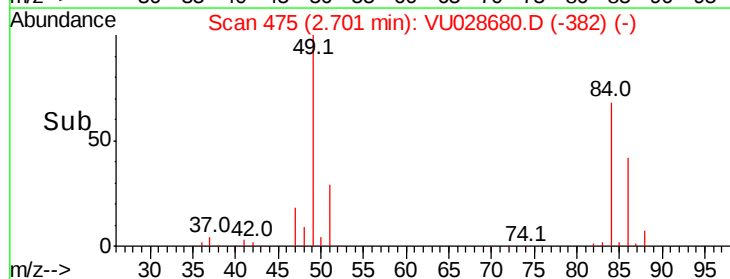
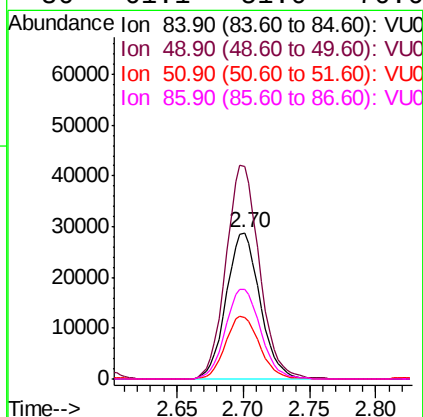
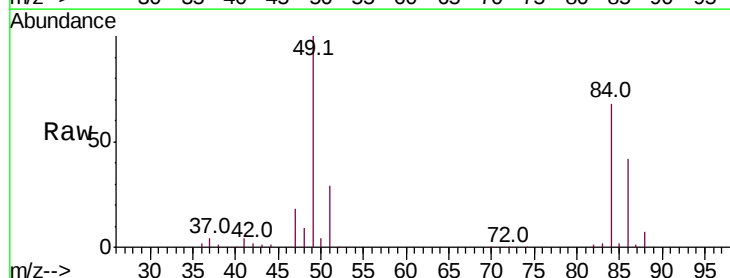
Instrument :
MSVOA_U
ClientSampleId :

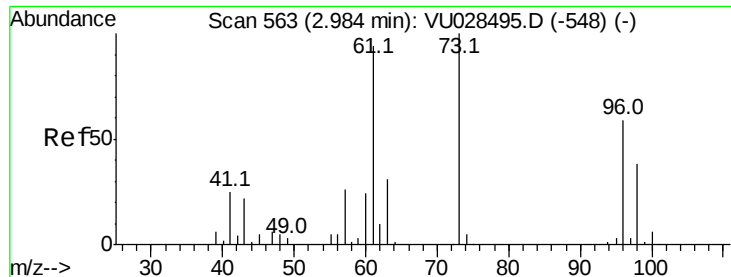
Tot Ion: 73 Resp: 156891
Ion Ratio Lower Upper
73 100
57 25.3 19.4 29.2



#20
Methylene Chloride
Concen: 45.276 ug/l
RT: 2.70 min Scan# 475
Delta R.T. -0.00 min
Lab File: VU028680.D
Acq: 14 Dec 2018 13:49

Tgt Ion: 84 Resp: 51072
Ion Ratio Lower Upper
84 100
49 146.0 114.0 171.0
51 42.4 35.1 52.7
86 61.1 51.0 76.6





#21

trans-1,2-Dichloroethene

Concen: 47.238 ug/l

RT: 2.98 min Scan# 562

Delta R.T. -0.00 min

Lab File: VU028680.D

Acq: 14 Dec 2018 13:49

Instrument :
MSVOA_U
ClientSampleId :

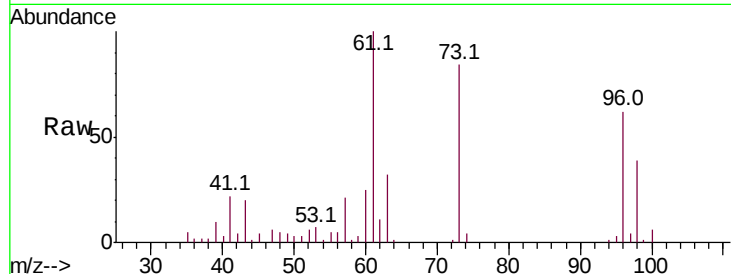
Tot Ion: 96 Resp: 45502

Ion Ratio Lower Upper

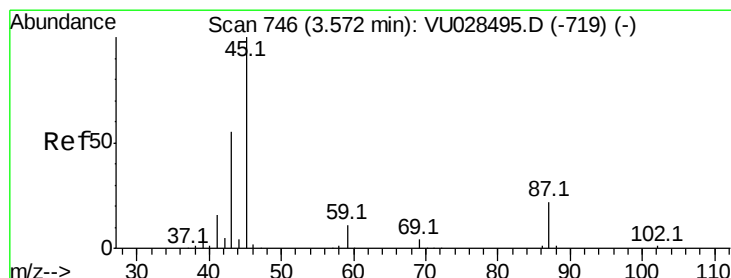
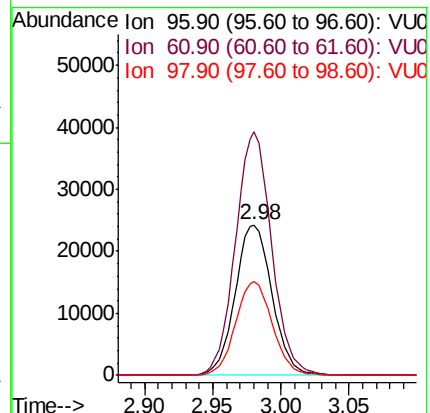
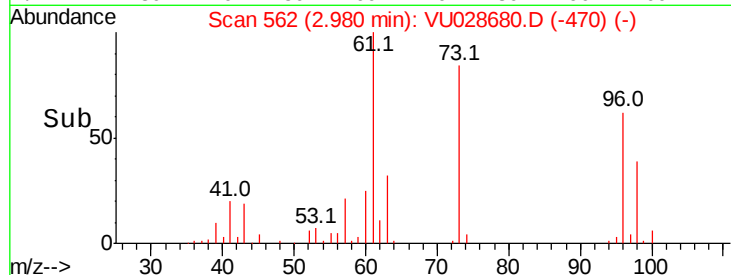
96 100

61 161.6 127.0 190.4

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: 50.383 ug/l

RT: 3.57 min Scan# 745

Delta R.T. -0.00 min

Lab File: VU028680.D

Acq: 14 Dec 2018 13:49

Tgt Ion: 45 Resp: 198299

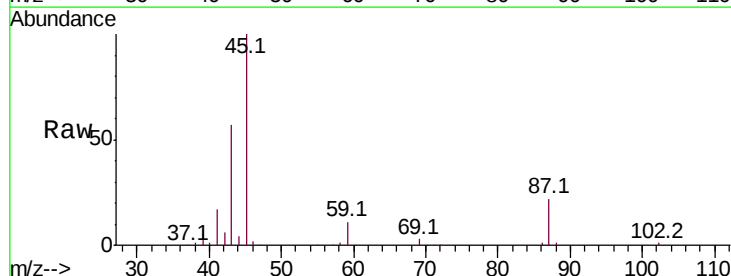
Ion Ratio Lower Upper

45 100

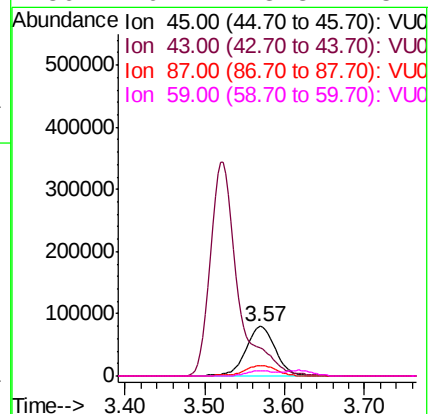
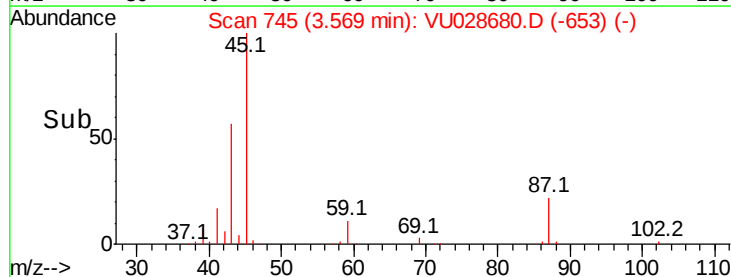
43 56.3 45.3 67.9

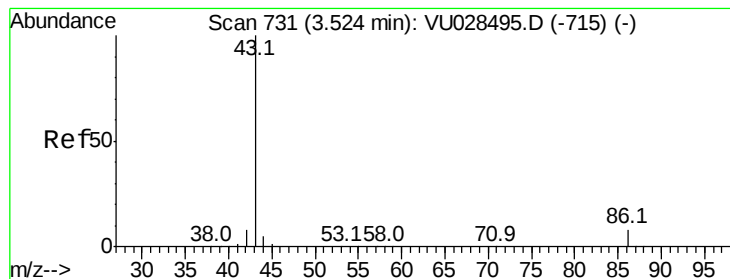
87 21.6 17.6 26.4

59 10.7 8.8 13.2



Abundance Ion 45.00 (44.70 to 45.70): VU0
Ion 43.00 (42.70 to 43.70): VU0
Ion 87.00 (86.70 to 87.70): VU0
Ion 59.00 (58.70 to 59.70): VU0





#23

Vinyl Acetate

Concen: 253.741 ug/l

RT: 3.52 min Scan# 730

Delta R.T. -0.00 min

Lab File: VU028680.D

Acq: 14 Dec 2018 13:49

Instrument :

MSVOA_U

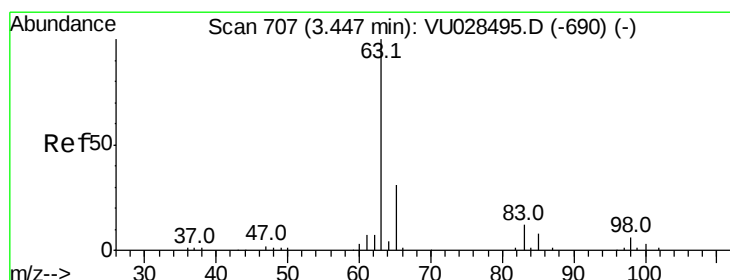
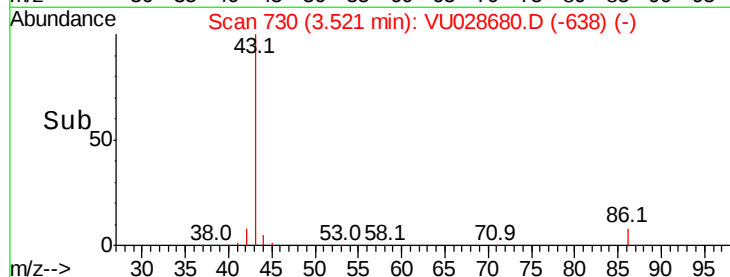
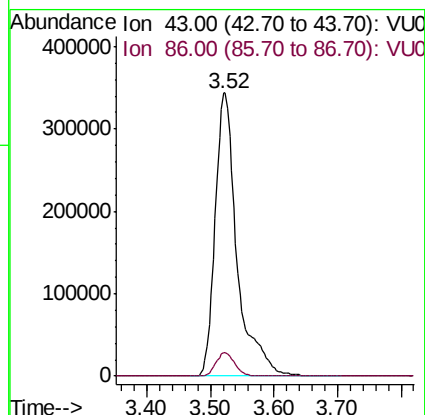
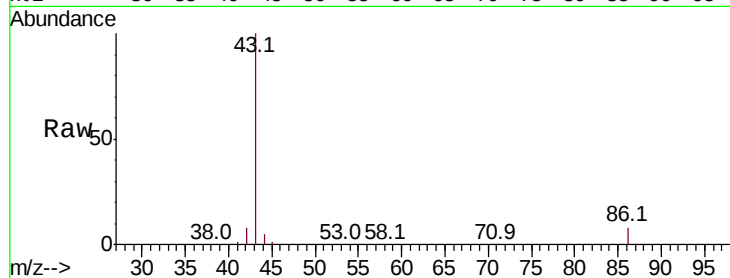
ClientSampleId :

Tot Ion: 43 Resp: 823753

Ion Ratio Lower Upper

43 100

86 8.1 6.8 10.2



#24

1,1-Dichloroethane

Concen: 48.661 ug/l

RT: 3.44 min Scan# 706

Delta R.T. -0.00 min

Lab File: VU028680.D

Acq: 14 Dec 2018 13:49

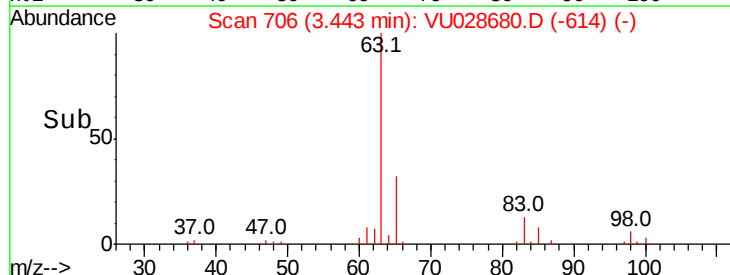
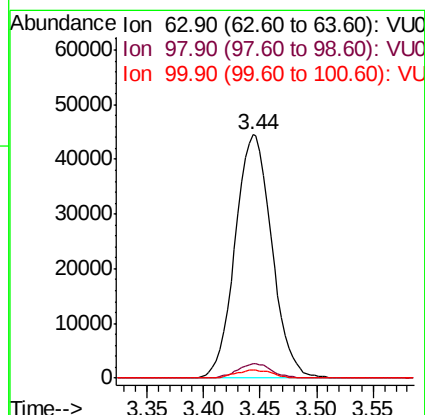
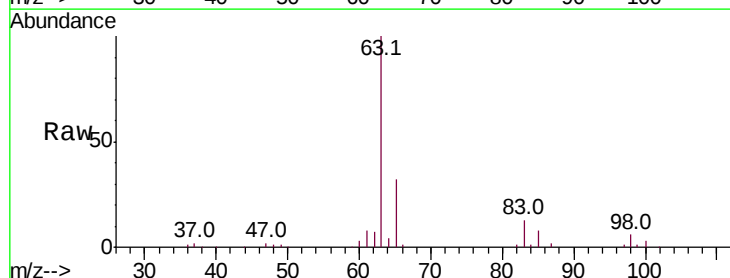
Tgt Ion: 63 Resp: 100254

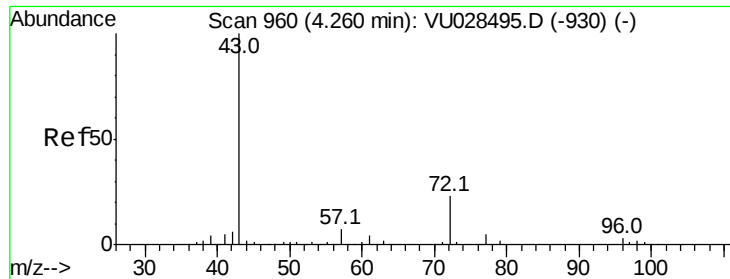
Ion Ratio Lower Upper

63 100

98 5.7 3.0 9.2

100 3.4 1.7 5.1





#25

2-Butanone

Concen: 262.386 ug/l

RT: 4.26 min Scan# 960

Delta R.T. -0.00 min

Lab File: VU028680.D

Acq: 14 Dec 2018 13:49

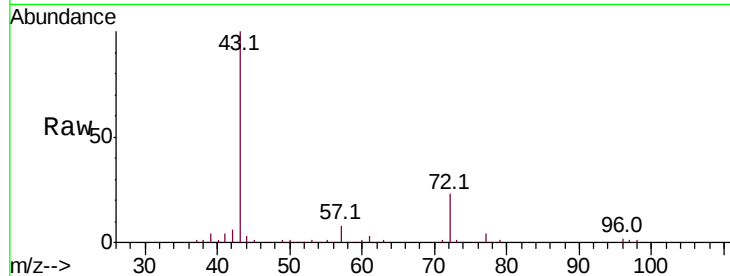
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 43 Resp: 274384

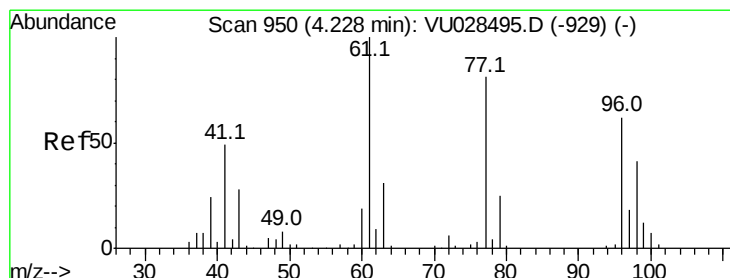
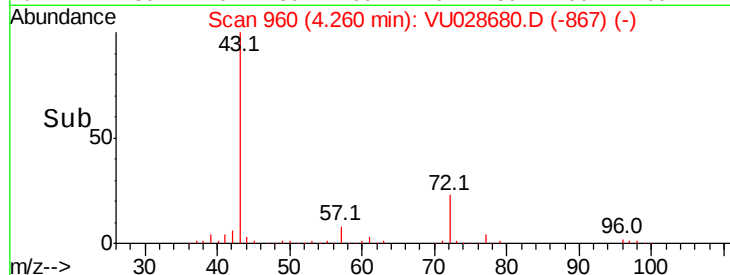
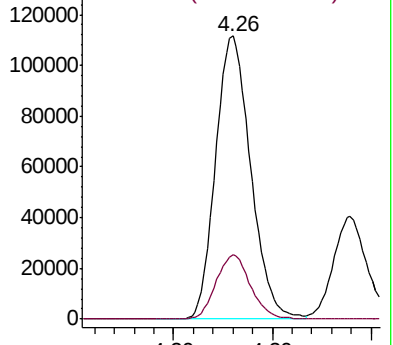
Ion Ratio Lower Upper

43 100

72 22.6 18.6 28.0



Abundance Ion 43.00 (42.70 to 43.70): VU028495.D (-930) (-)



#26

2,2-Dichloropropane

Concen: 48.547 ug/l

RT: 4.22 min Scan# 949

Delta R.T. -0.00 min

Lab File: VU028680.D

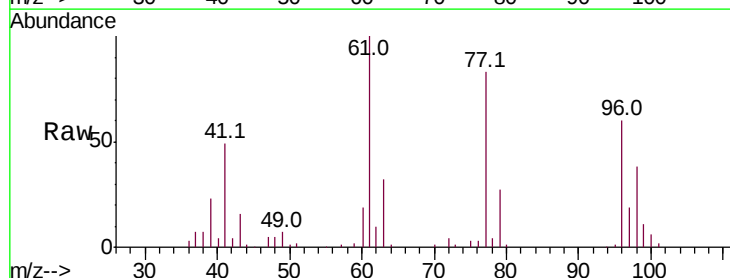
Acq: 14 Dec 2018 13:49

Tgt Ion: 77 Resp: 79251

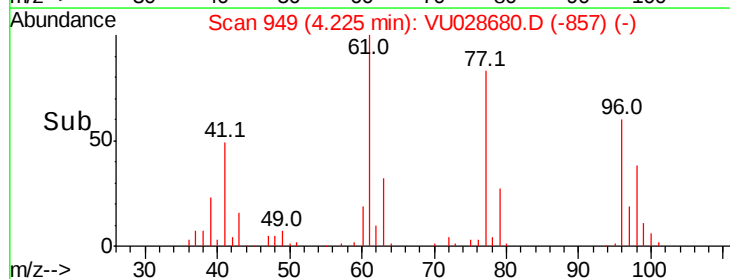
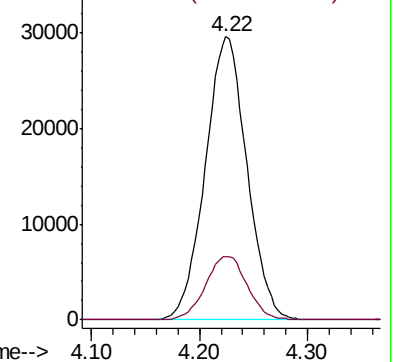
Ion Ratio Lower Upper

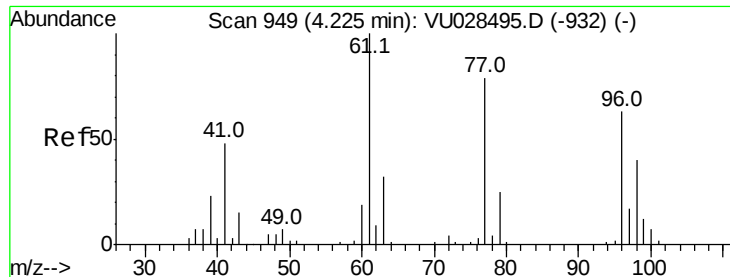
77 100

97 22.4 11.0 33.0



Abundance Ion 76.90 (76.60 to 77.60): VU028495.D (-929) (-)



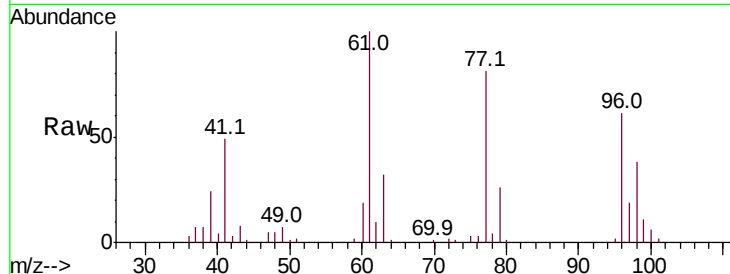


#27

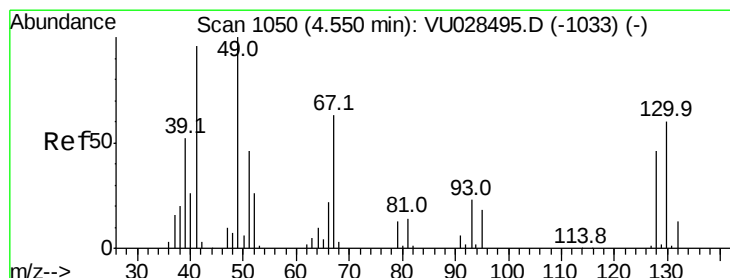
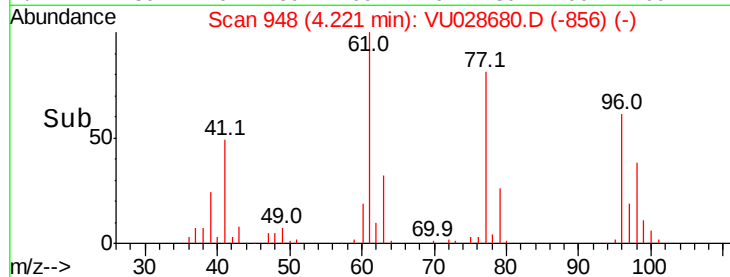
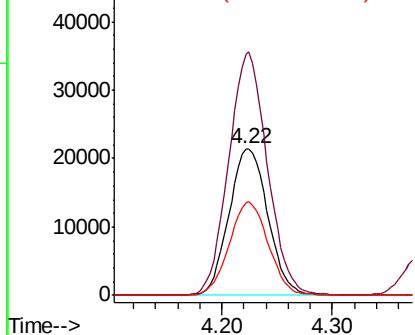
cis-1,2-Dichloroethene
Concen: 48.158 ug/l
RT: 4.22 min Scan# 948
Delta R.T. -0.00 min
Lab File: VU028680.D
Acq: 14 Dec 2018 13:49

Instrument :
MSVOA_U
ClientSampled :

Tot Ion	Ratio	Lower	Upper
96	100		
61	164.8	0.0	332.4
98	63.8	0.0	129.0



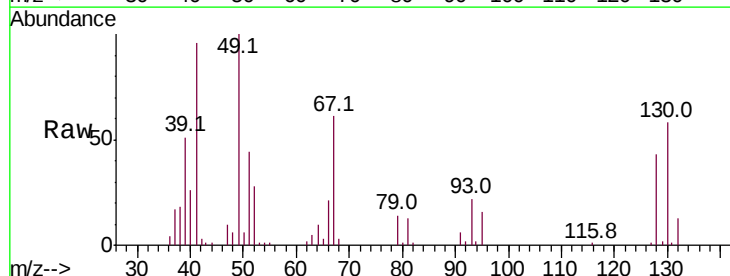
Abundance Ion 95.90 (95.60 to 96.60): VU0
Ion 60.90 (60.60 to 61.60): VU0
Ion 97.90 (97.60 to 98.60): VU0



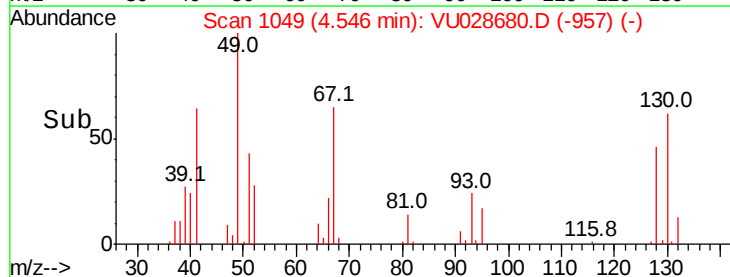
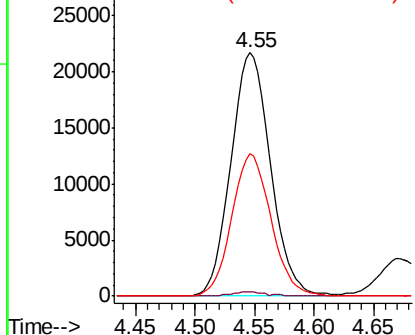
#28

Bromochloromethane
Concen: 53.558 ug/l
RT: 4.55 min Scan# 1049
Delta R.T. -0.00 min
Lab File: VU028680.D
Acq: 14 Dec 2018 13:49

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.3	0.0	3.0
130	57.7	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: 259.034 ug/l

RT: 4.64 min Scan# 1077

Delta R.T. -0.00 min

Lab File: VU028680.D

Acq: 14 Dec 2018 13:49

Instrument :

MSVOA_U

ClientSampleId :

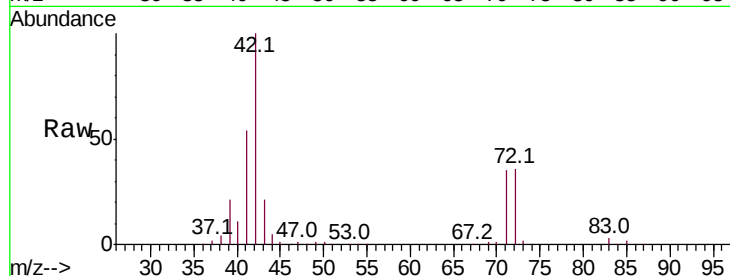
Tot Ion: 42 Resp: 173969

Ion Ratio Lower Upper

42 100

72 37.9 31.4 47.0

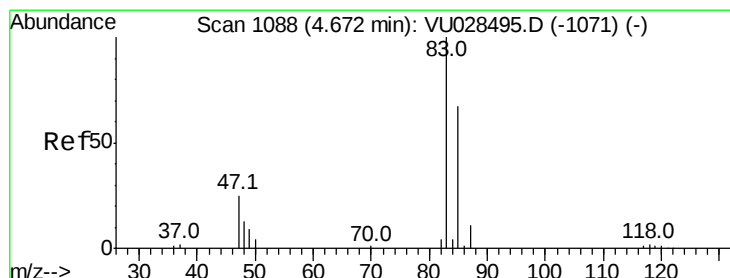
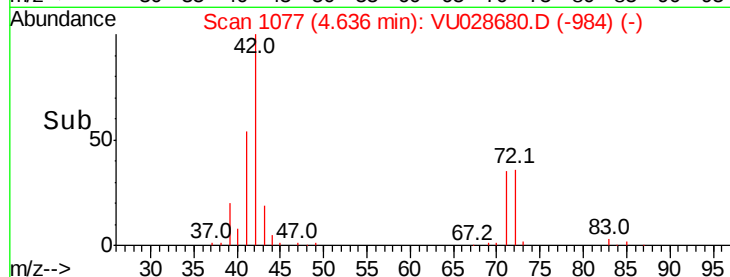
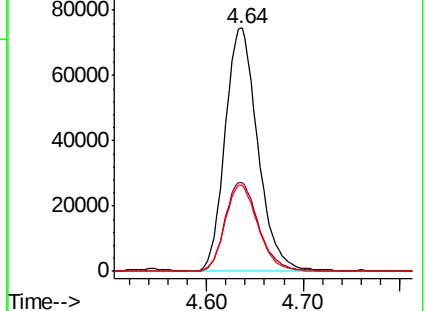
71 36.1 28.6 43.0



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: 50.755 ug/l

RT: 4.67 min Scan# 1088

Delta R.T. -0.00 min

Lab File: VU028680.D

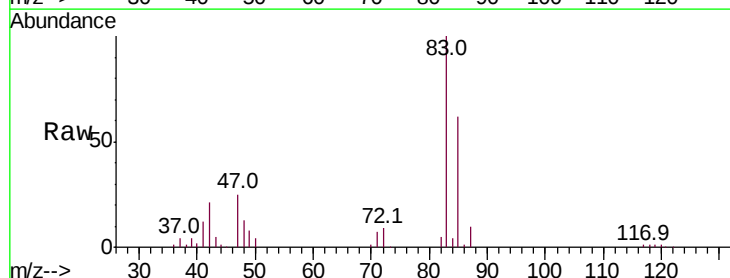
Acq: 14 Dec 2018 13:49

Tgt Ion: 83 Resp: 91138

Ion Ratio Lower Upper

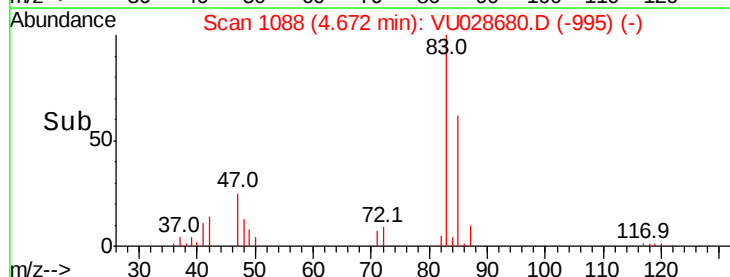
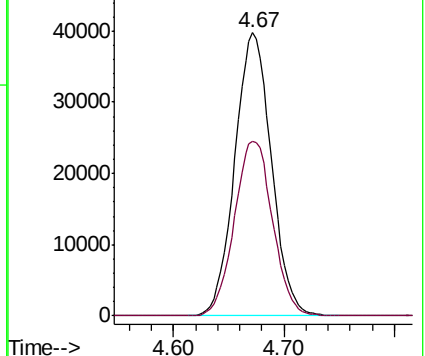
83 100

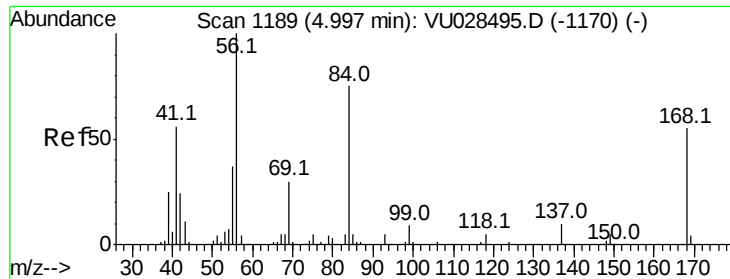
85 61.5 53.6 80.4



Abundance Ion 82.90 (82.60 to 83.60): VU0

Ion 84.90 (84.60 to 85.60): VU0

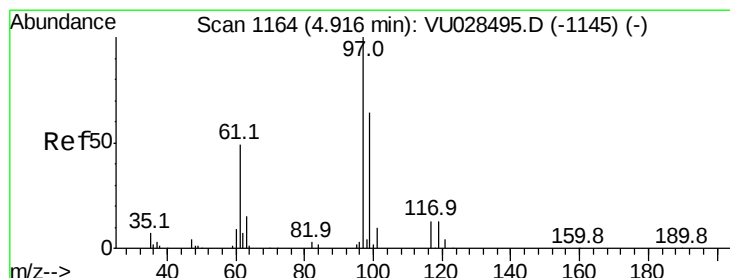
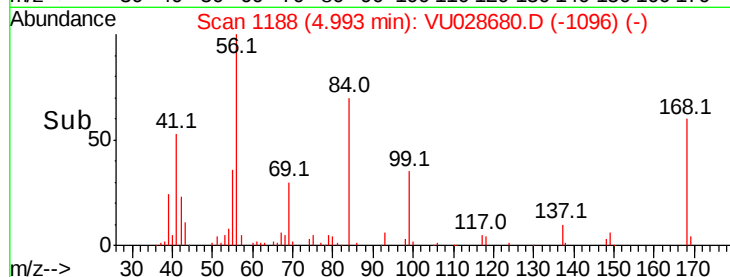
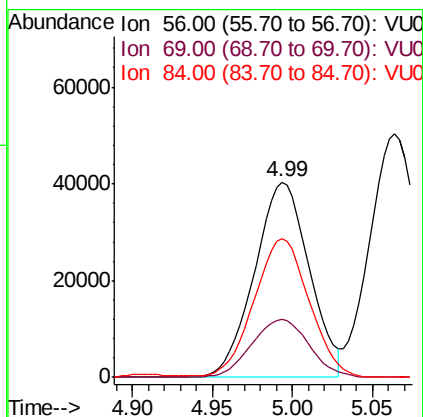
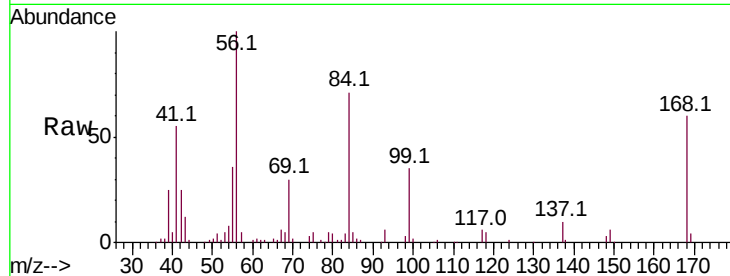




#31
Cyclohexane
Concen: 47.484 ug/l
RT: 4.99 min Scan# 1188
Delta R.T. -0.00 min
Lab File: VU028680.D
Acq: 14 Dec 2018 13:49

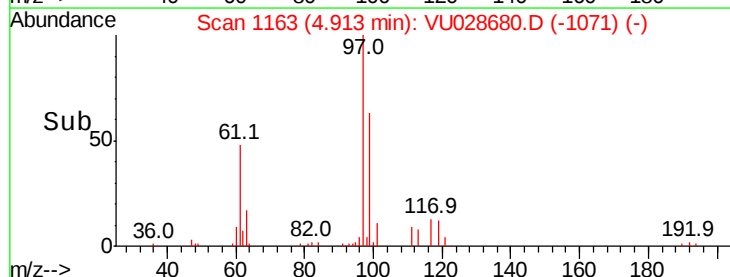
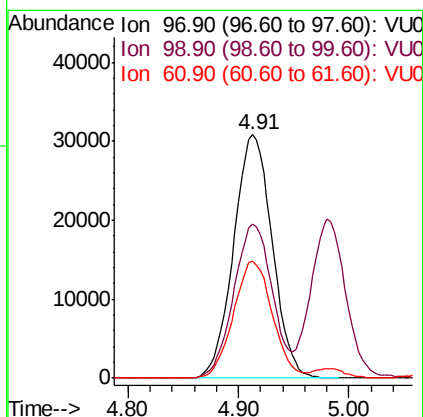
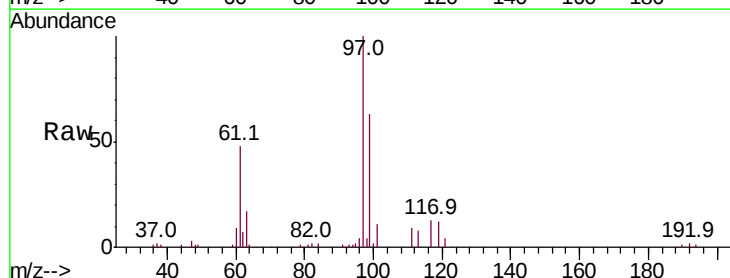
Instrument :
MSVOA_U
ClientSampled :

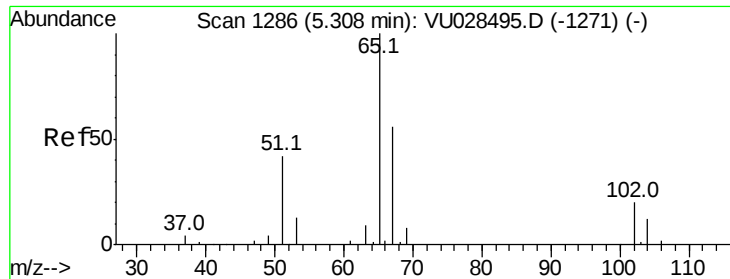
Tot Ion: 56 Resp: 95588
Ion Ratio Lower Upper
56 100
69 29.6 24.0 36.0
84 70.5 59.7 89.5



#32
1,1,1-Trichloroethane
Concen: 50.096 ug/l
RT: 4.91 min Scan# 1163
Delta R.T. -0.00 min
Lab File: VU028680.D
Acq: 14 Dec 2018 13:49

Tgt Ion: 97 Resp: 74709
Ion Ratio Lower Upper
97 100
99 63.6 52.3 78.5
61 48.6 39.0 58.6

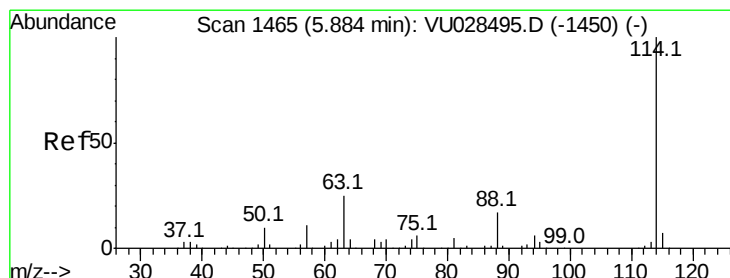
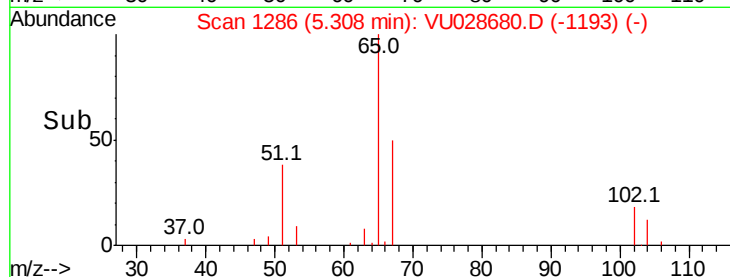
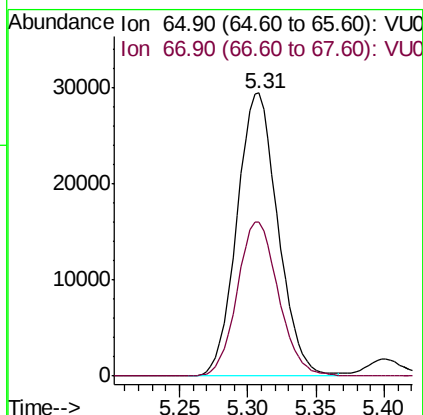
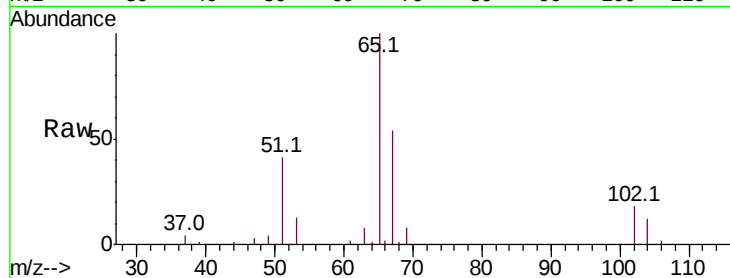




#33
 1,2-Dichloroethane-d4
 Concen: 52.441 ug/l
 RT: 5.31 min Scan# 1286
 Delta R.T. -0.00 min
 Lab File: VU028680.D
 Acq: 14 Dec 2018 13:49

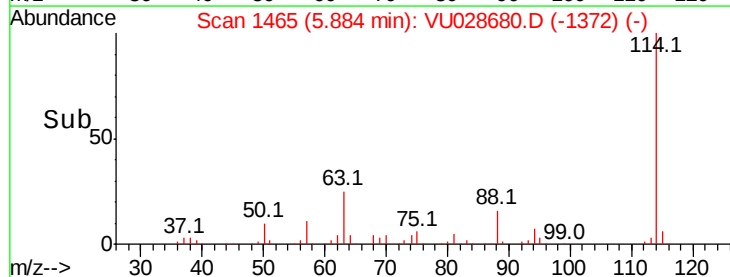
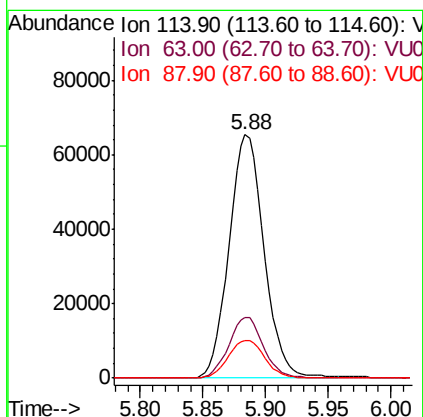
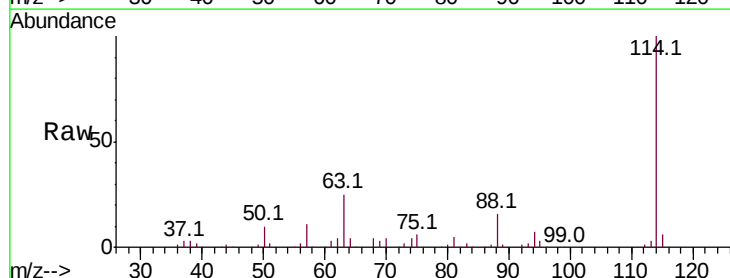
Instrument :
 MSVOA_U
 ClientSampleId :

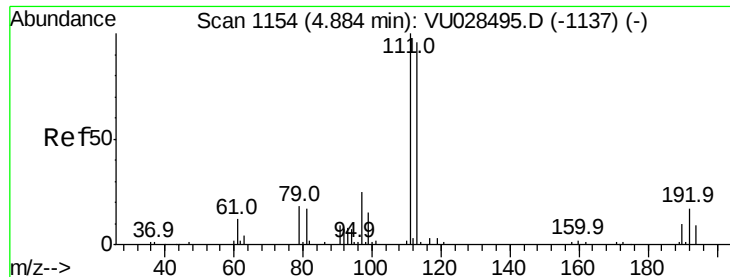
Tot Ion: 65 Resp: 61495
 Ion Ratio Lower Upper
 65 100
 67 54.7 0.0 110.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.88 min Scan# 1465
 Delta R.T. -0.00 min
 Lab File: VU028680.D
 Acq: 14 Dec 2018 13:49

Tgt Ion:114 Resp: 126691
 Ion Ratio Lower Upper
 114 100
 63 25.1 0.0 49.2
 88 15.5 0.0 33.4





#35

Dibromofluoromethane

Concen: 56.756 ug/l

RT: 4.88 min Scan# 1153

Delta R.T. -0.00 min

Lab File: VU028680.D

Acq: 14 Dec 2018 13:49

Instrument :
MSVOA_U
ClientSampleId :

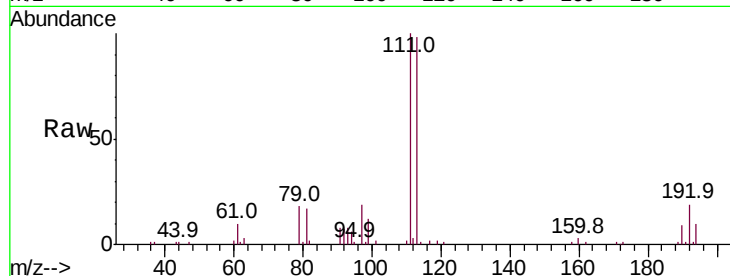
Tot Ion:113 Resp: 45250

Ion Ratio Lower Upper

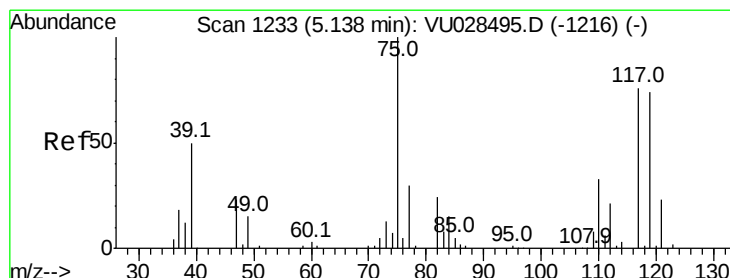
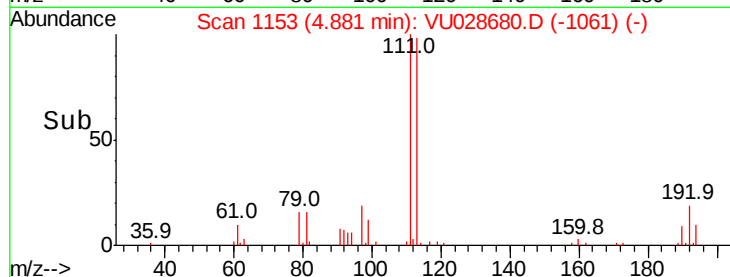
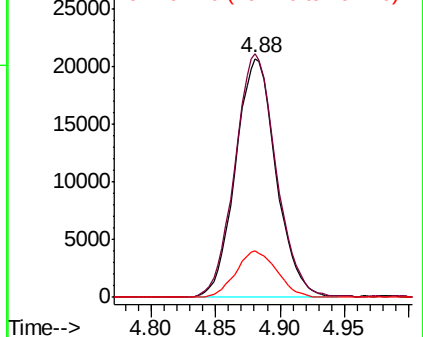
113 100

111 103.9 83.4 125.0

192 19.6 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: 50.863 ug/l

RT: 5.13 min Scan# 1232

Delta R.T. -0.00 min

Lab File: VU028680.D

Acq: 14 Dec 2018 13:49

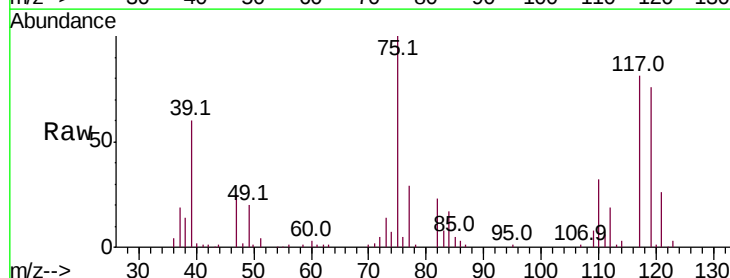
Tgt Ion: 75 Resp: 70514

Ion Ratio Lower Upper

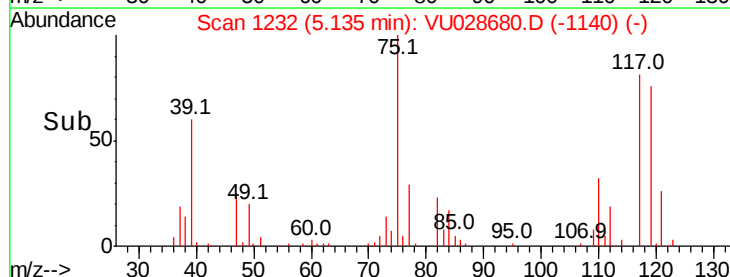
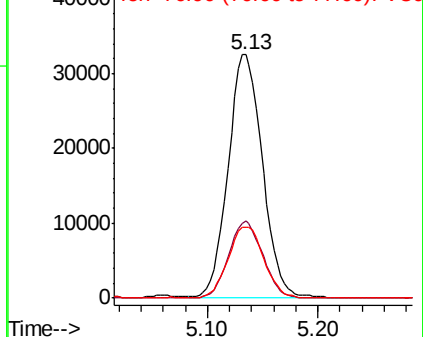
75 100

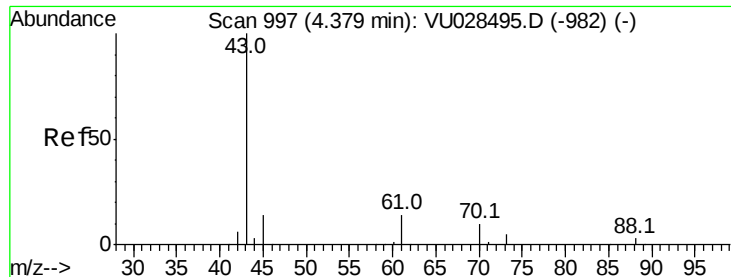
110 31.3 16.1 48.2

77 30.4 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: 54.196 ug/l

RT: 4.38 min Scan# 997

Delta R.T. -0.00 min

Lab File: VU028680.D

Acq: 14 Dec 2018 13:49

Instrument :

MSVOA_U

ClientSampled :

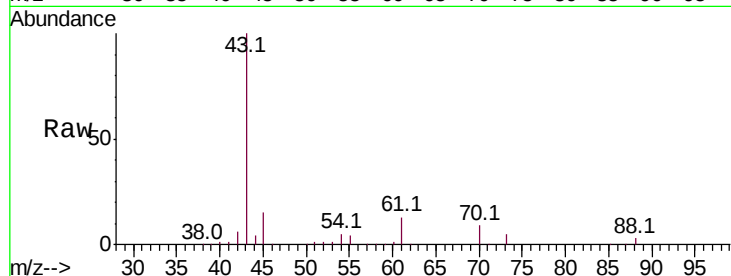
Tot Ion: 43 Resp: 97127

Ion Ratio Lower Upper

43 100

61 13.0 11.0 16.4

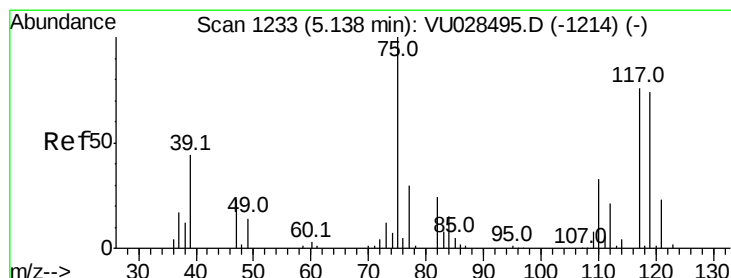
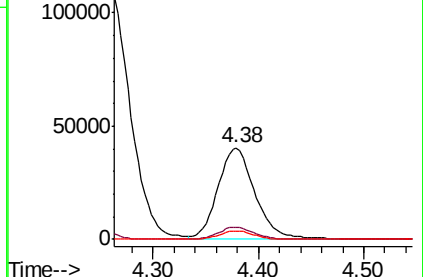
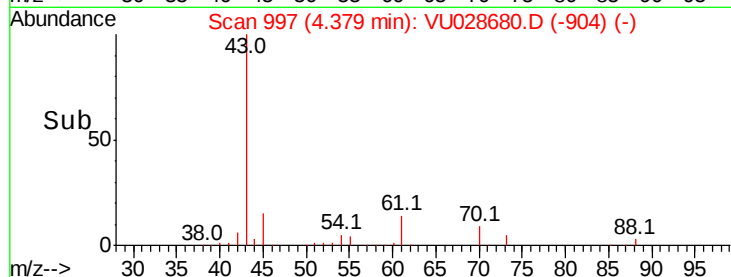
70 8.7 7.4 11.0



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

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

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



#38

Carbon Tetrachloride

Concen: 54.132 ug/l

RT: 5.13 min Scan# 1232

Delta R.T. -0.00 min

Lab File: VU028680.D

Acq: 14 Dec 2018 13:49

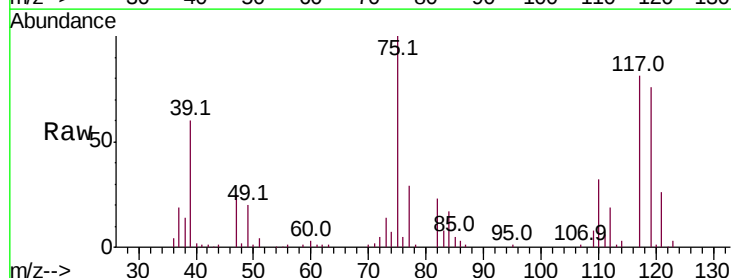
Tgt Ion: 117 Resp: 60487

Ion Ratio Lower Upper

117 100

119 93.6 77.6 116.4

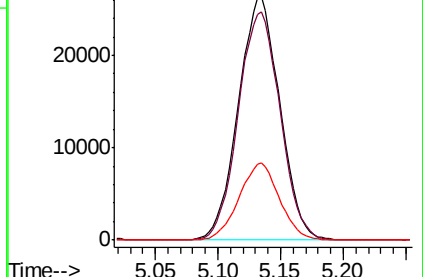
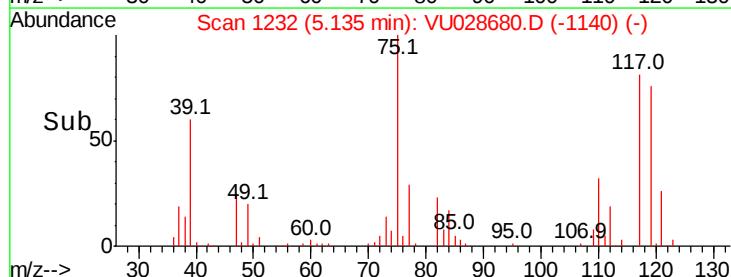
121 31.7 24.6 36.8

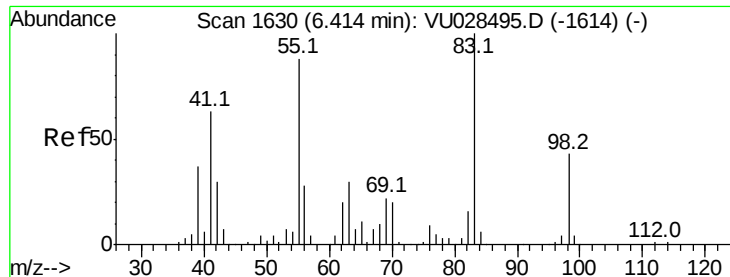


Abundance Ion 116.80 (116.50 to 117.50): VU028495.D (-1214) (-)

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

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

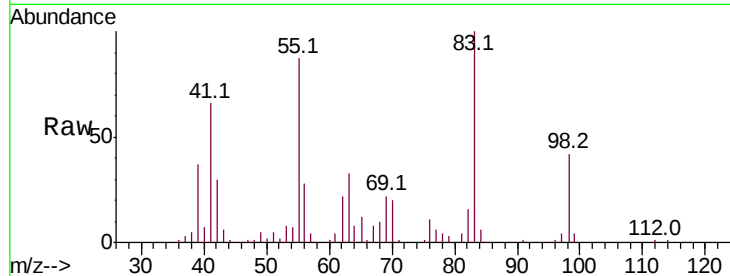




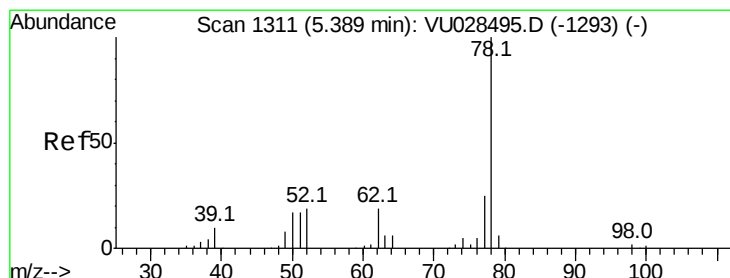
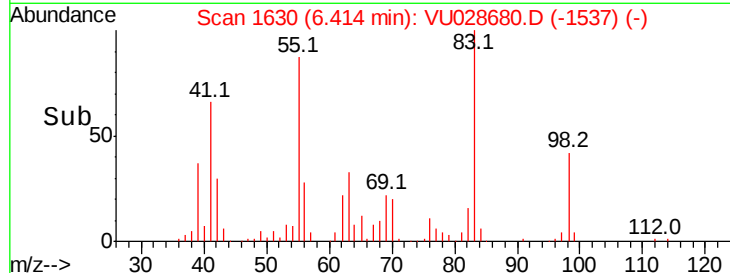
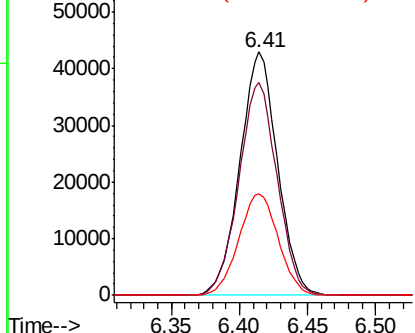
#39
Methvlcvclohexane
Concen: 48.698 ug/l
RT: 6.41 min Scan# 1630
Delta R.T. -0.00 min
Lab File: VU028680.D
Acq: 14 Dec 2018 13:49

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 83 Resp: 82365
Ion Ratio Lower Upper
83 100
55 87.3 70.2 105.2
98 41.7 34.2 51.4

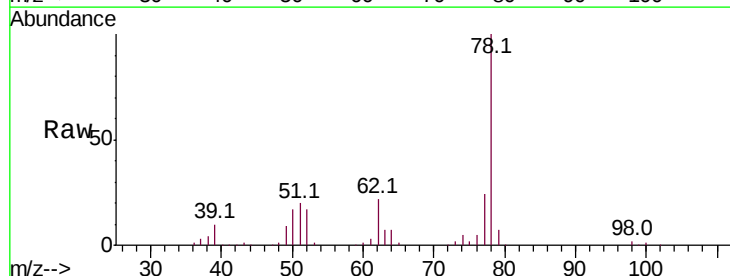


Abundance Ion 83.00 (82.70 to 83.70): VU0
Ion 55.00 (54.70 to 55.70): VU0
Ion 98.00 (97.70 to 98.70): VU0

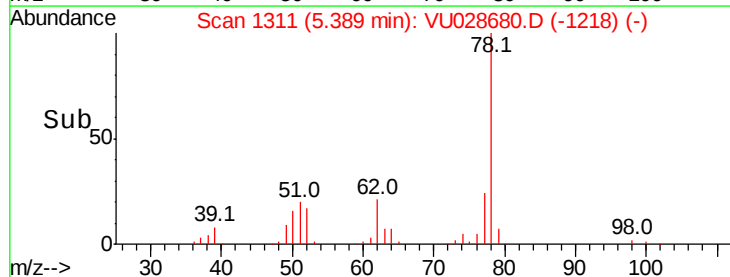
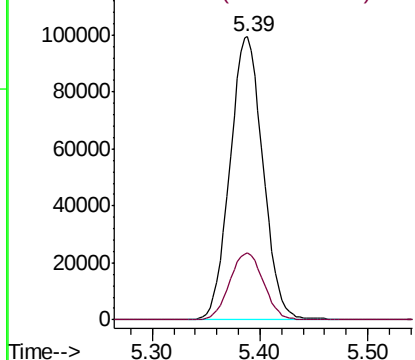


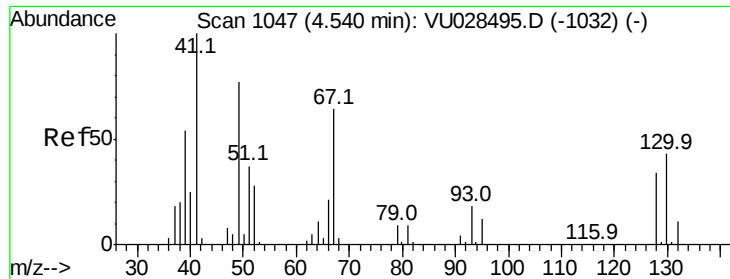
#40
Benzene
Concen: 51.998 ug/l
RT: 5.39 min Scan# 1311
Delta R.T. -0.00 min
Lab File: VU028680.D
Acq: 14 Dec 2018 13:49

Tgt Ion: 78 Resp: 212315
Ion Ratio Lower Upper
78 100
77 23.6 19.9 29.9



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

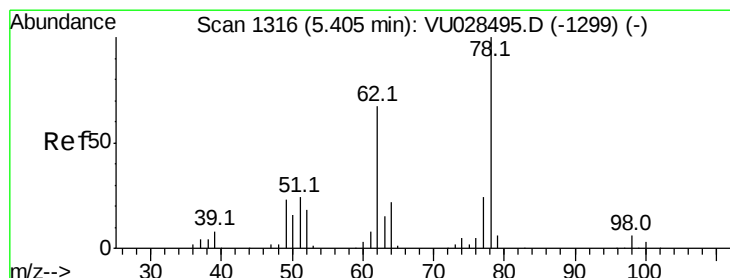
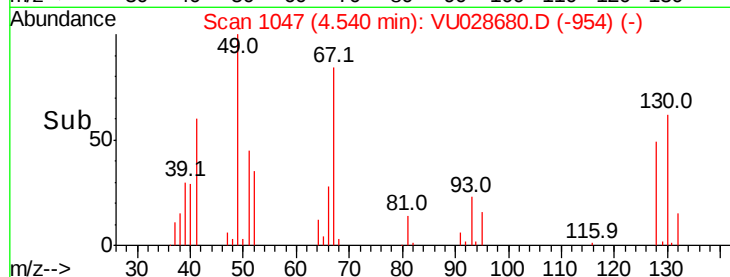
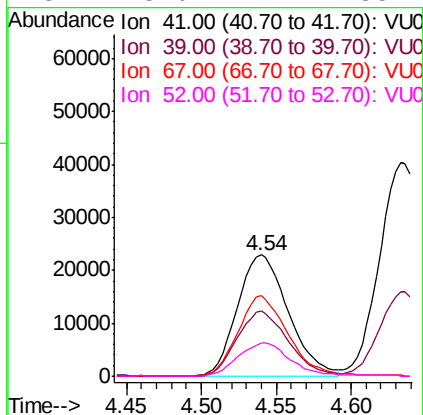
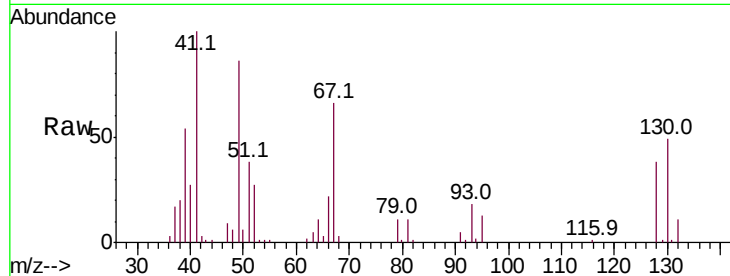




#41
Methacrylonitrile
Concen: 55.501 ug/l
RT: 4.54 min Scan# 1047
Delta R.T. -0.00 min
Lab File: VU028680.D
Acq: 14 Dec 2018 13:49

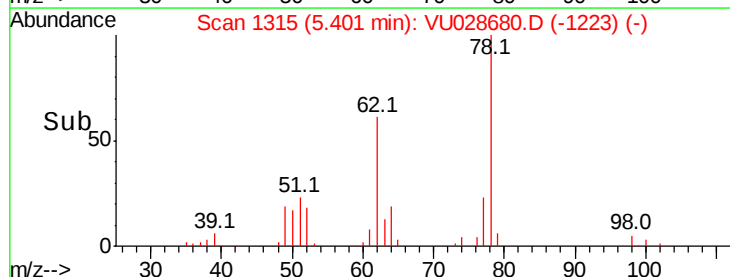
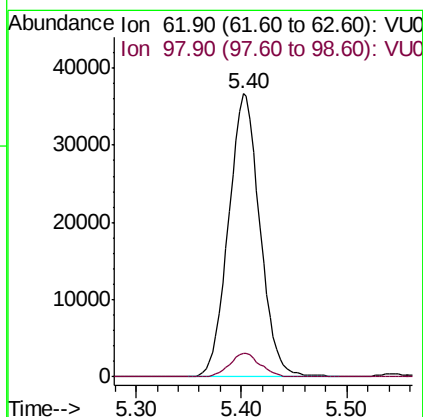
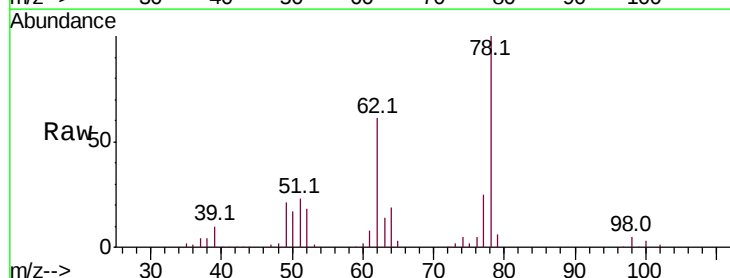
Instrument :
MSVOA_U
ClientSampleId :

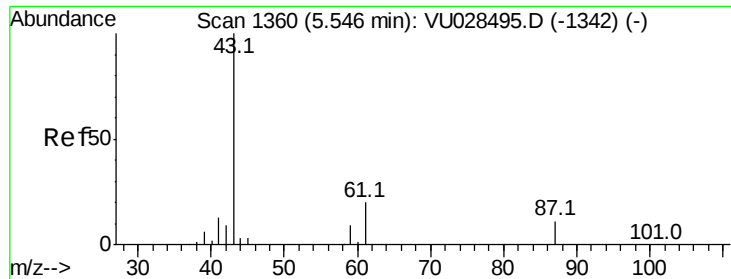
Tot Ion:	41	Resp:	54472
Ion	Ratio	Lower	Upper
41	100		
39	54.0	43.3	64.9
67	65.1	53.6	80.4
52	28.0	22.1	33.1



#42
1,2-Dichloroethane
Concen: 52.814 ug/l
RT: 5.40 min Scan# 1315
Delta R.T. -0.00 min
Lab File: VU028680.D
Acq: 14 Dec 2018 13:49

Tgt Ion:	62	Resp:	75485
Ion	Ratio	Lower	Upper
62	100		
98	8.1	0.0	17.2





#43

Isopropyl Acetate

Concen: 54.079 ug/l

RT: 5.55 min Scan# 1360

Delta R.T. -0.00 min

Lab File: VU028680.D

Acq: 14 Dec 2018 13:49

Instrument :

MSVOA_U

ClientSampleId :

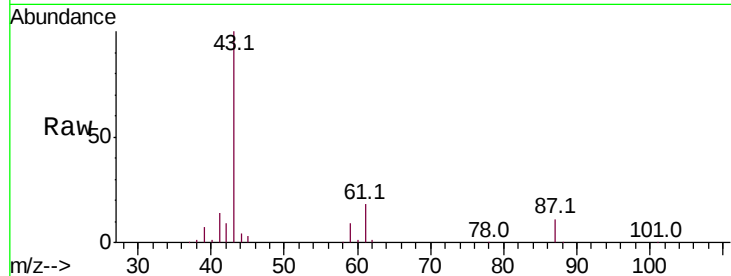
Tot Ion: 43 Resp: 153295

Ion Ratio Lower Upper

43 100

61 18.5 15.5 23.3

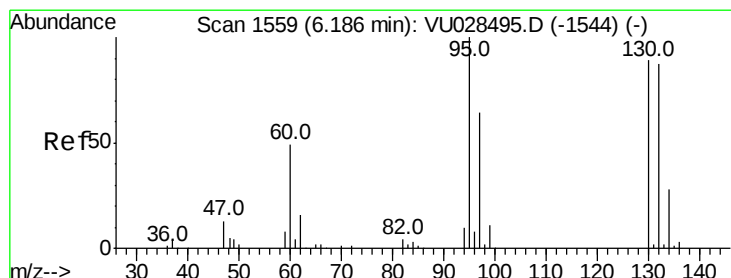
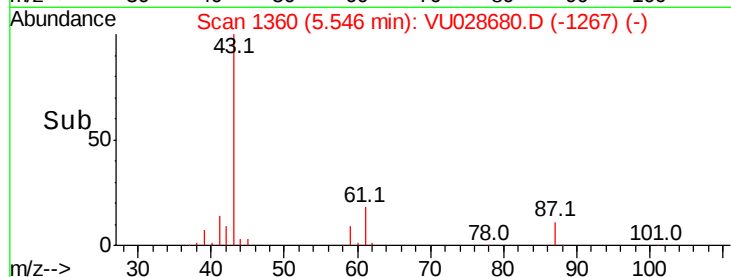
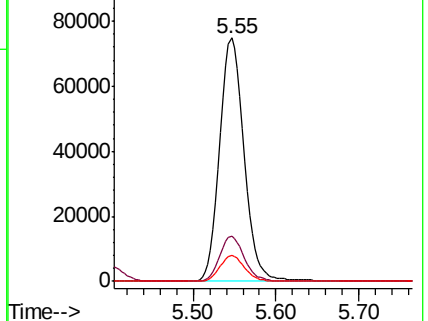
87 10.4 8.7 13.1



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

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

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



#44

Trichloroethene

Concen: 51.994 ug/l

RT: 6.18 min Scan# 1558

Delta R.T. -0.00 min

Lab File: VU028680.D

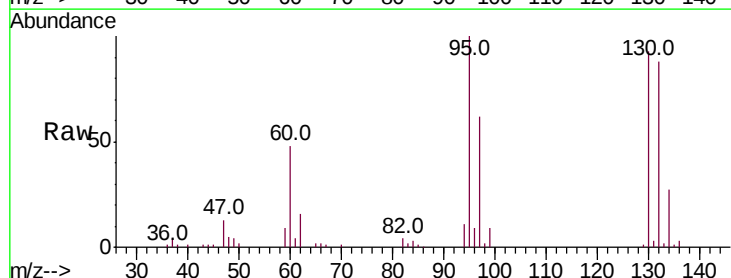
Acq: 14 Dec 2018 13:49

Tgt Ion:130 Resp: 47204

Ion Ratio Lower Upper

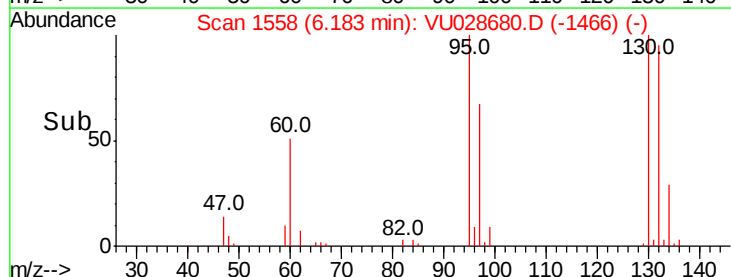
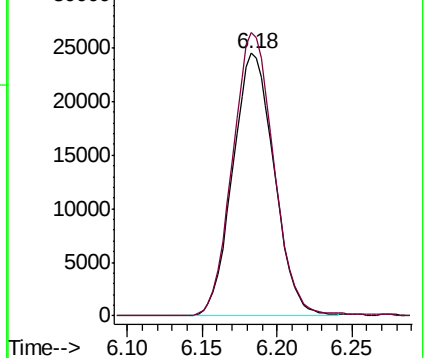
130 100

95 107.8 0.0 224.0



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

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





#45

1,2-Dichloropropane

Concen: 54.587 ug/l

RT: 6.43 min Scan# 1635

Delta R.T. -0.00 min

Lab File: VU028680.D

Acq: 14 Dec 2018 13:49

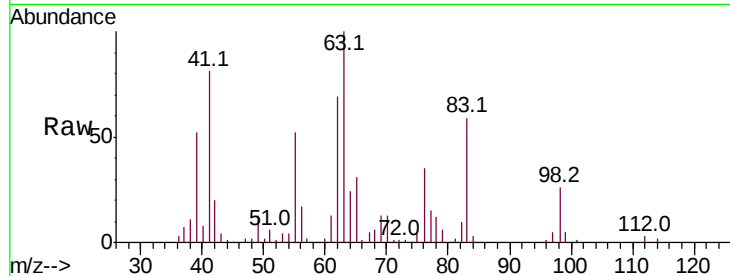
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 63 Resp: 62677

Ion Ratio Lower Upper

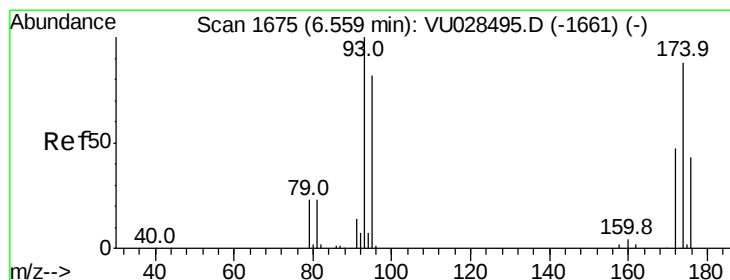
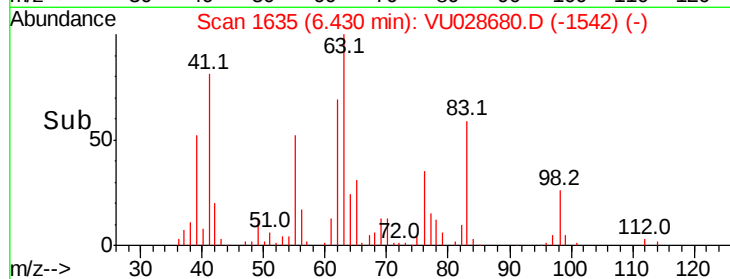
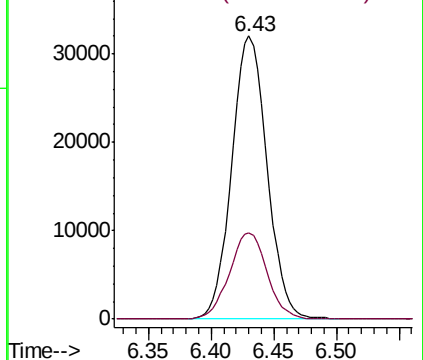
63 100

65 30.6 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) (-)



#46

Dibromomethane

Concen: 53.575 ug/l

RT: 6.56 min Scan# 1674

Delta R.T. -0.00 min

Lab File: VU028680.D

Acq: 14 Dec 2018 13:49

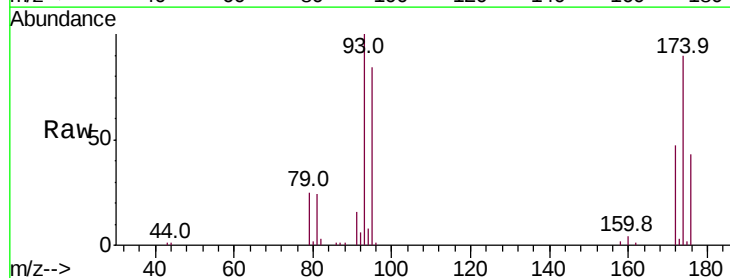
Tgt Ion: 93 Resp: 36499

Ion Ratio Lower Upper

93 100

95 83.2 65.4 98.2

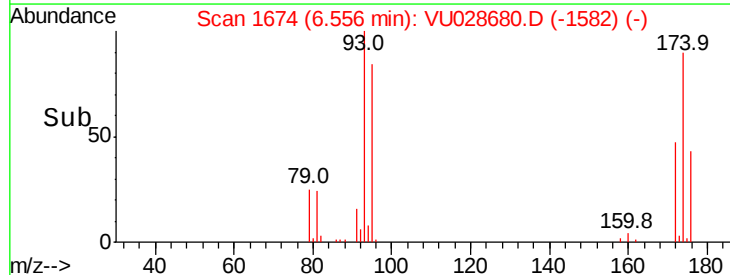
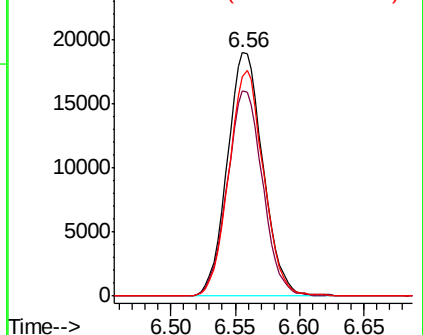
174 90.4 72.2 108.4

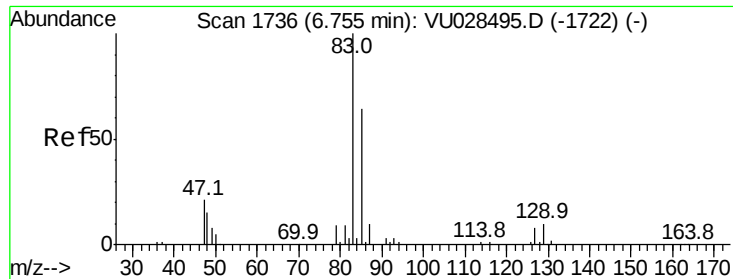


Abundance Ion 92.80 (92.50 to 93.50): VU028495.D (-1661) (-)

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

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





#47

Bromodichloromethane

Concen: 54.390 ug/l

RT: 6.75 min Scan# 1735

Delta R.T. -0.00 min

Lab File: VU028680.D

Acq: 14 Dec 2018 13:49

Instrument :

MSVOA_U

ClientSampleId :

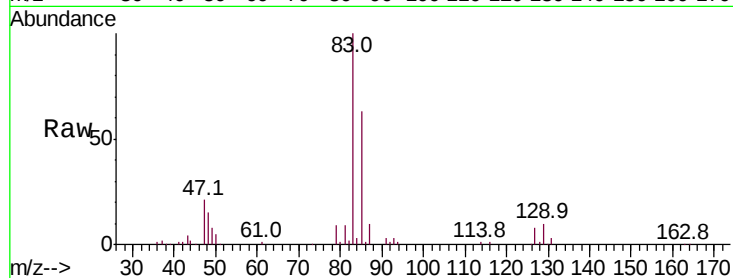
Tot Ion: 83 Resp: 72105

Ion Ratio Lower Upper

83 100

85 62.8 51.5 77.3

127 7.5 6.2 9.4

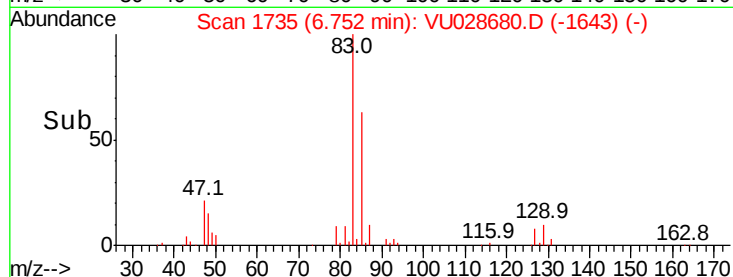


Abundance Ion 82.90 (82.60 to 83.60): VU028495.D (-1722) (-)

Ion 84.90 (84.60 to 85.60): VU028495.D (-1722) (-)

Ion 126.80 (126.50 to 127.50): VU028495.D (-1722) (-)

Time-->

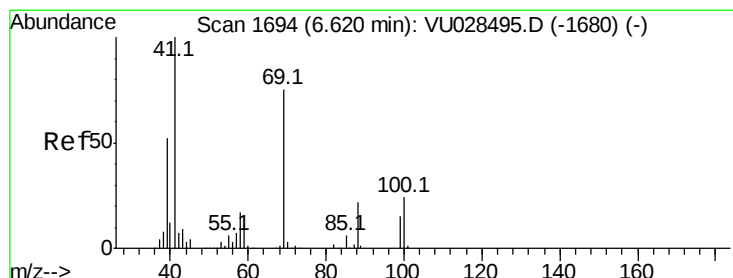


Abundance Ion 82.90 (82.60 to 83.60): VU028680.D (-1643) (-)

Ion 84.90 (84.60 to 85.60): VU028680.D (-1643) (-)

Ion 126.80 (126.50 to 127.50): VU028680.D (-1643) (-)

Time-->



#48

Methyl methacrylate

Concen: 55.050 ug/l

RT: 6.62 min Scan# 1694

Delta R.T. -0.00 min

Lab File: VU028680.D

Acq: 14 Dec 2018 13:49

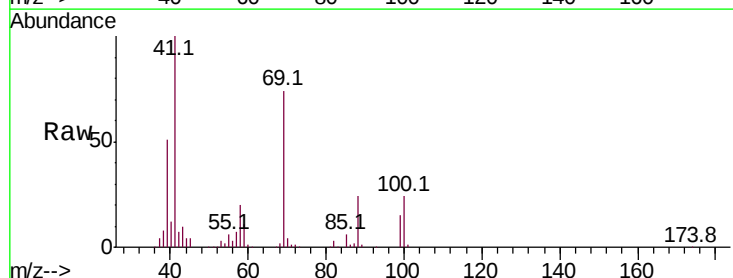
Tgt Ion: 41 Resp: 77603

Ion Ratio Lower Upper

41 100

69 74.8 60.4 90.6

39 50.9 41.1 61.7

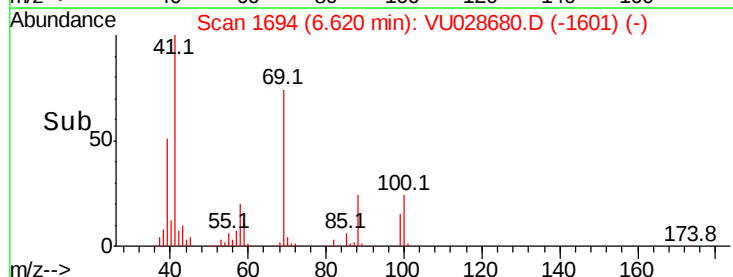


Abundance Ion 41.00 (40.70 to 41.70): VU028495.D (-1680) (-)

Ion 69.00 (68.70 to 69.70): VU028495.D (-1680) (-)

Ion 39.00 (38.70 to 39.70): VU028495.D (-1680) (-)

Time-->

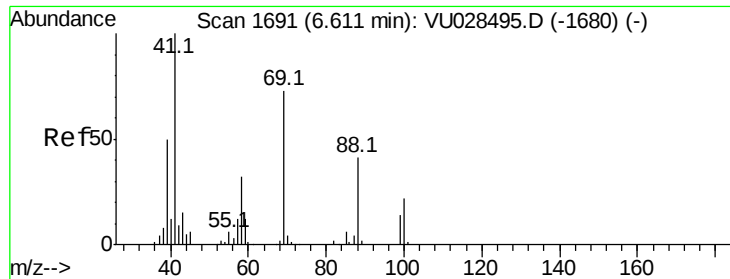


Abundance Ion 41.00 (40.70 to 41.70): VU028680.D (-1601) (-)

Ion 69.00 (68.70 to 69.70): VU028680.D (-1601) (-)

Ion 39.00 (38.70 to 39.70): VU028680.D (-1601) (-)

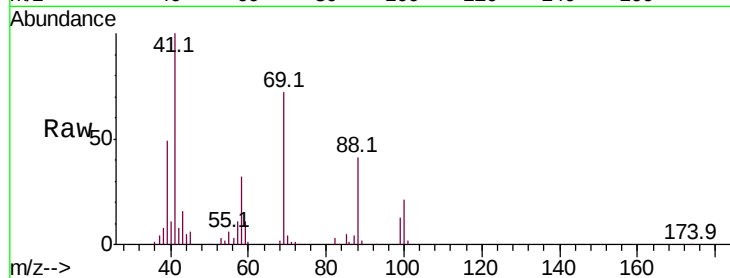
Time-->



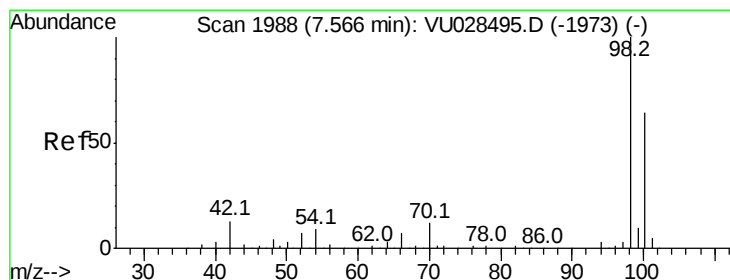
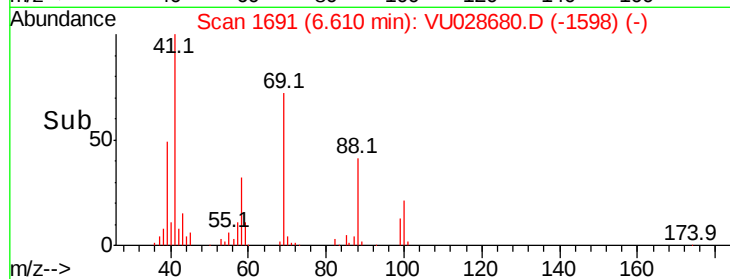
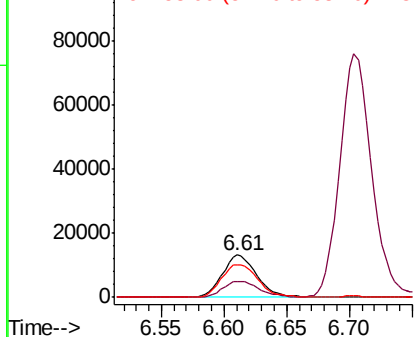
#49
1,4-Dioxane
Concen: 1124.070 ug/l
RT: 6.61 min Scan# 1691
Delta R.T. -0.00 min
Lab File: VU028680.D
Acq: 14 Dec 2018 13:49

Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 88 Resp: 25020
Ion Ratio Lower Upper
88 100
43 37.8 30.9 46.3
58 83.2 62.4 93.6

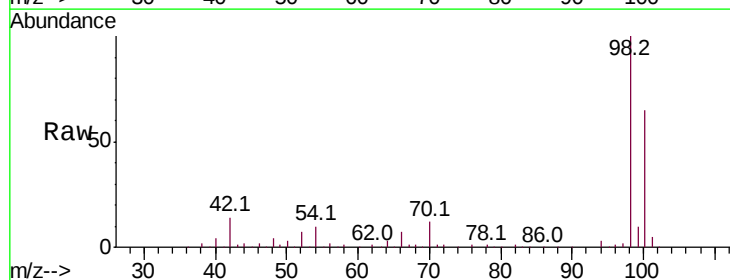


Abundance Ion 88.00 (87.70 to 88.70): VU0
Ion 43.00 (42.70 to 43.70): VU0
Ion 58.00 (57.70 to 58.70): VU0

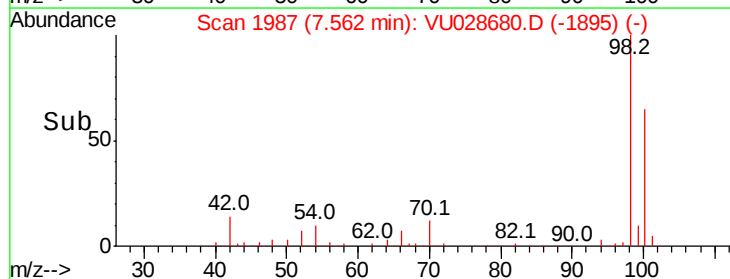
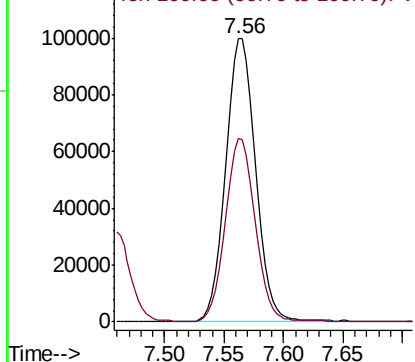


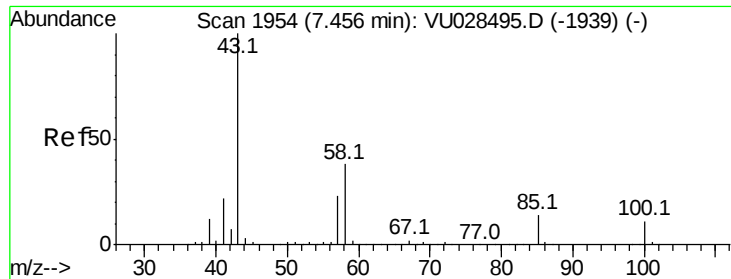
#50
Toluene-d8
Concen: 55.375 ug/l
RT: 7.56 min Scan# 1987
Delta R.T. -0.00 min
Lab File: VU028680.D
Acq: 14 Dec 2018 13:49

Tgt Ion: 98 Resp: 174646
Ion Ratio Lower Upper
98 100
100 63.9 51.0 76.6



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





#51

4-Methyl-2-Pentanone

Concen: 276.427 ug/l

RT: 7.46 min Scan# 1955

Delta R.T. 0.00 min

Lab File: VU028680.D

Acq: 14 Dec 2018 13:49

Instrument :

MSVOA_U

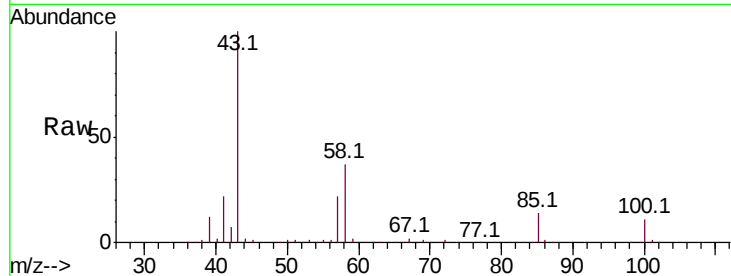
ClientSampled :

Tot Ion: 43 Resp: 494209

Ion Ratio Lower Upper

43 100

58 36.8 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

250000

200000

150000

100000

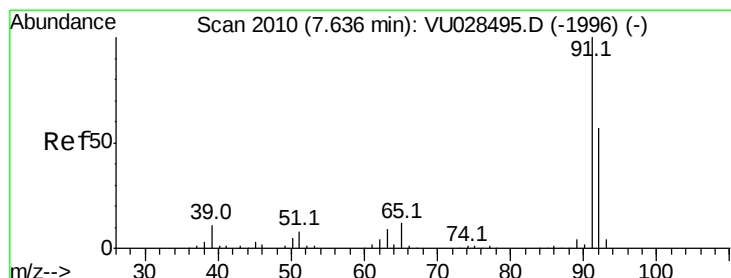
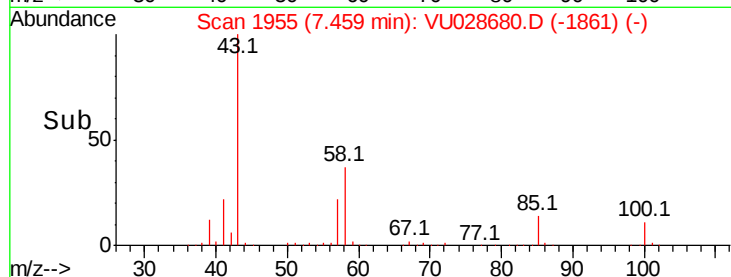
50000

0

7.40

7.50

Time-->



#52

Toluene

Concen: 52.233 ug/l

RT: 7.64 min Scan# 2010

Delta R.T. -0.00 min

Lab File: VU028680.D

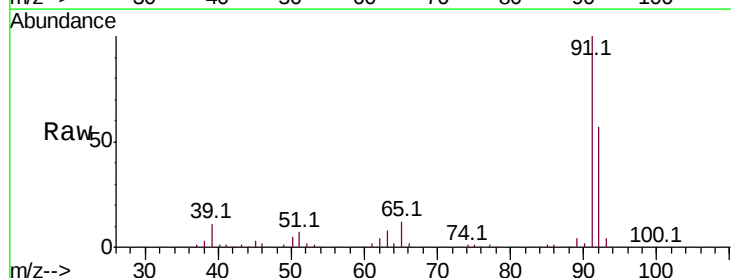
Acq: 14 Dec 2018 13:49

Tgt Ion: 92 Resp: 125516

Ion Ratio Lower Upper

92 100

91 175.1 140.2 210.4



Abundance Ion 92.00 (91.70 to 92.70): VU0

Ion 91.00 (90.70 to 91.70): VU0

150000

100000

50000

0

7.64

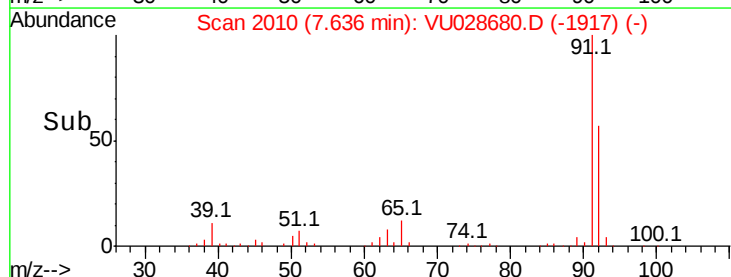
7.55

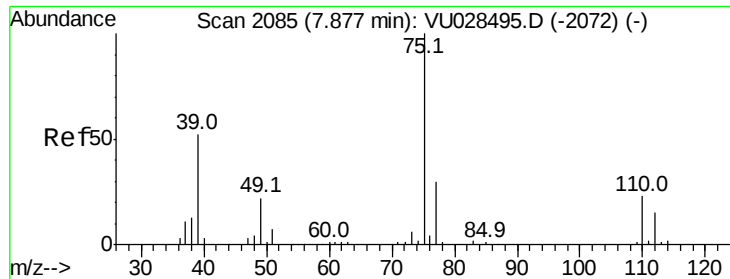
7.60

7.65

7.70

Time-->





#53

t-1,3-Dichloropropene

Concen: 53.943 ug/l

RT: 7.88 min Scan# 2085

Delta R.T. -0.00 min

Lab File: VU028680.D

Acq: 14 Dec 2018 13:49

Instrument :

MSVOA_U

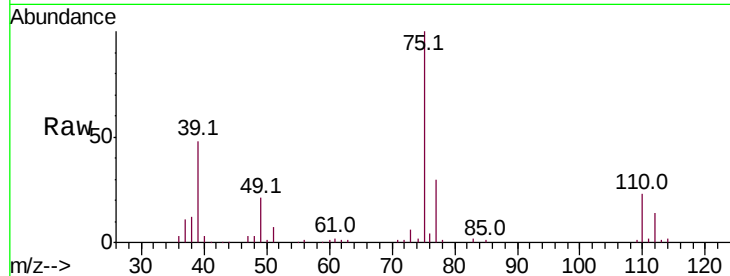
ClientSampleId :

Tot Ion: 75 Resp: 85170

Ion Ratio Lower Upper

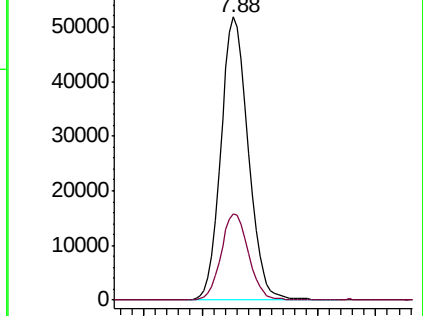
75 100

77 30.5 24.2 36.4

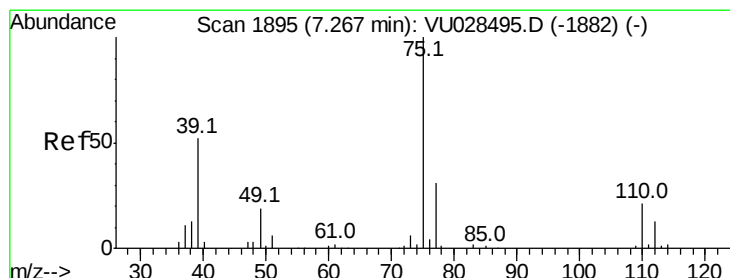
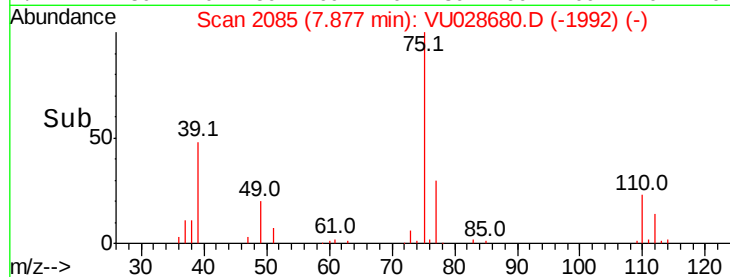


Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 76.90 (76.60 to 77.60): VU0



Time-->



#54

cis-1,3-Dichloropropene

Concen: 52.771 ug/l

RT: 7.27 min Scan# 1895

Delta R.T. -0.00 min

Lab File: VU028680.D

Acq: 14 Dec 2018 13:49

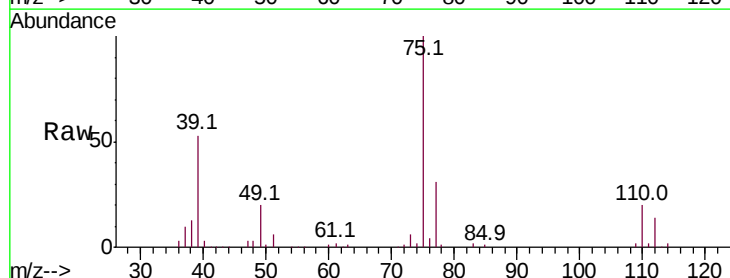
Tgt Ion: 75 Resp: 90397

Ion Ratio Lower Upper

75 100

77 30.8 25.0 37.4

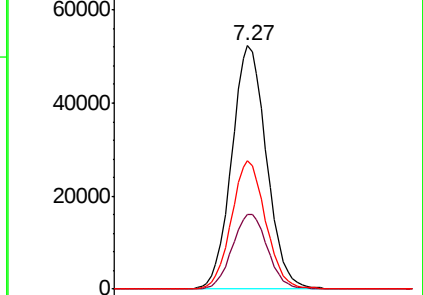
39 52.8 41.3 61.9



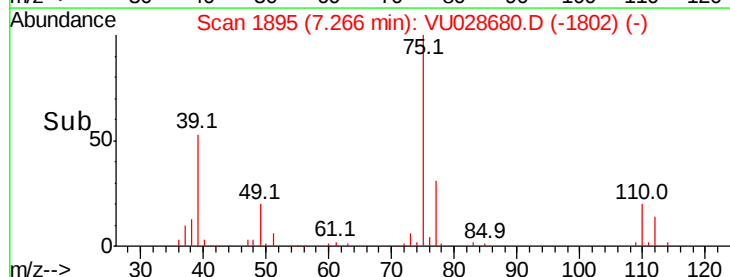
Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 76.90 (76.60 to 77.60): VU0

Ion 39.00 (38.70 to 39.70): VU0



Time-->

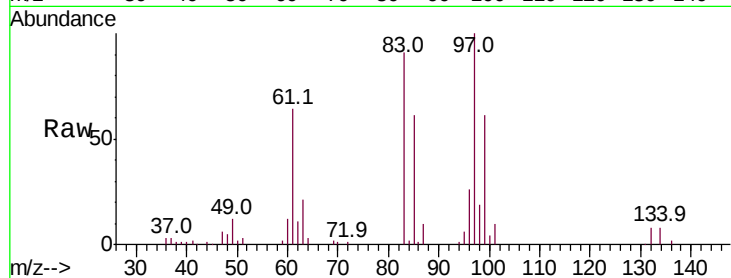




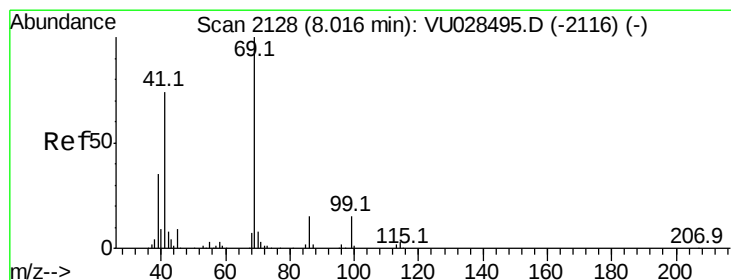
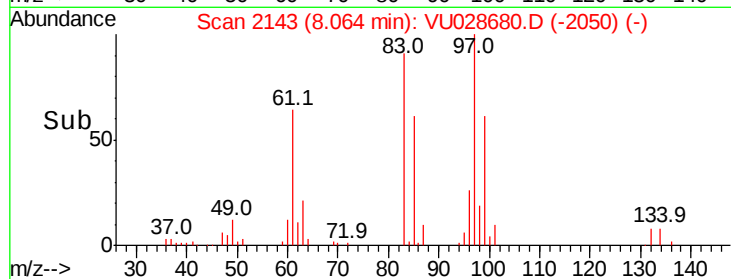
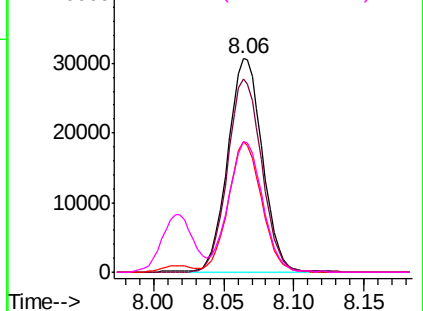
#55
 1,1,2-Trichloroethane
 Concen: 55.373 ug/l
 RT: 8.06 min Scan# 2143
 Delta R.T. -0.00 min
 Lab File: VU028680.D
 Acq: 14 Dec 2018 13:49

Instrument :
 MSVOA_U
 ClientSampled :

Tot Ion:	97	Resp:	52598
Ion	Ratio	Lower	Upper
97	100		
83	90.7	72.4	108.6
85	61.0	46.0	69.0
99	60.9	47.4	71.2

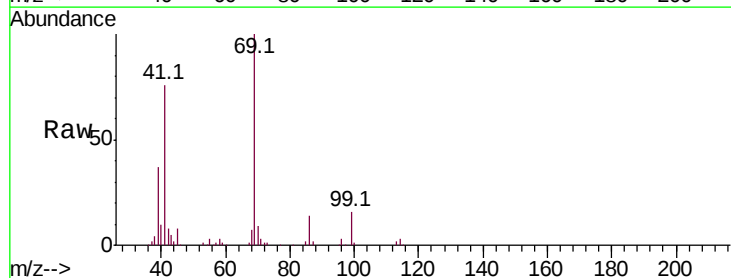


Abundance Ion 96.90 (96.60 to 97.60): VU0
 Ion 82.90 (82.60 to 83.60): VU0
 Ion 84.90 (84.60 to 85.60): VU0
 Ion 98.90 (98.60 to 99.60): VU0

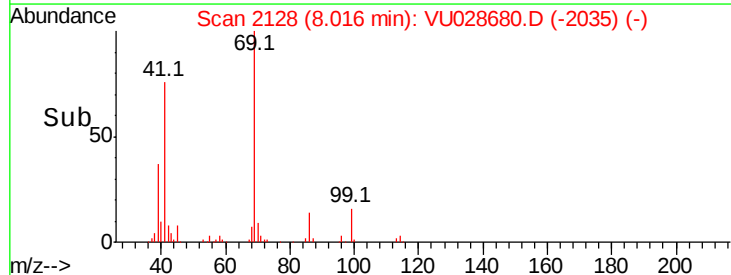
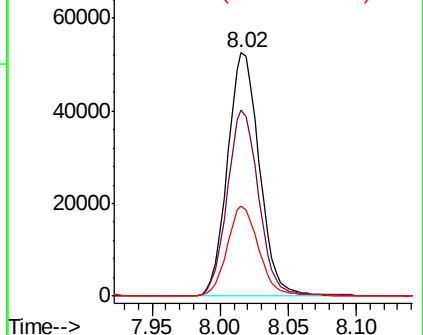


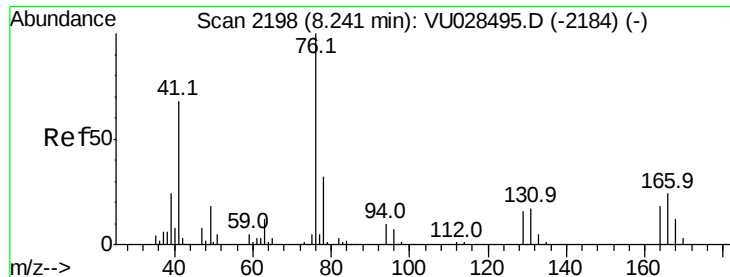
#56
 Ethyl methacrylate
 Concen: 52.603 ug/l
 RT: 8.02 min Scan# 2128
 Delta R.T. -0.00 min
 Lab File: VU028680.D
 Acq: 14 Dec 2018 13:49

Tgt Ion:	69	Resp:	85566
Ion	Ratio	Lower	Upper
69	100		
41	75.4	59.1	88.7
39	36.9	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: 52.724 ug/l

RT: 8.24 min Scan# 2198

Delta R.T. -0.00 min

Lab File: VU028680.D

Acq: 14 Dec 2018 13:49

Instrument :

MSVOA_U

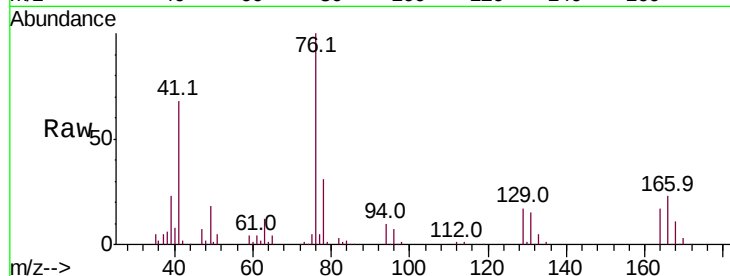
ClientSampled :

Tot Ion: 76 Resp: 92967

Ion Ratio Lower Upper

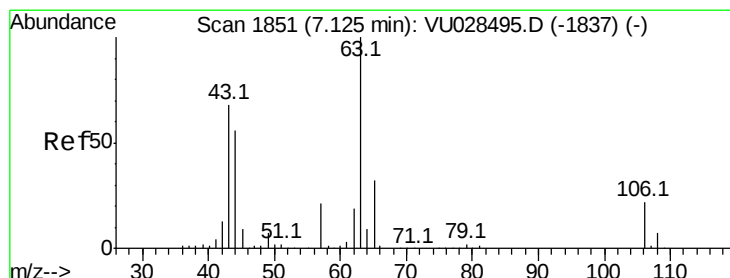
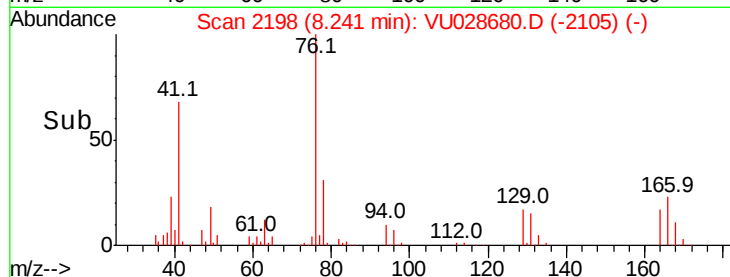
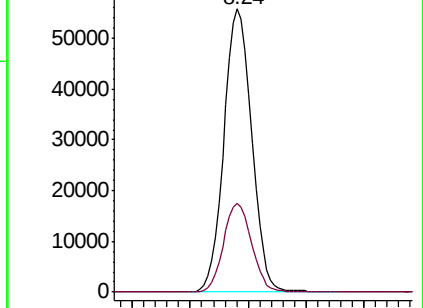
76 100

78 31.8 25.2 37.8



Abundance Ion 75.90 (75.60 to 76.60): VU0

Ion 77.90 (77.60 to 78.60): VU0



#58

2-Chloroethyl Vinyl ether

Concen: 280.920 ug/l

RT: 7.12 min Scan# 1851

Delta R.T. -0.00 min

Lab File: VU028680.D

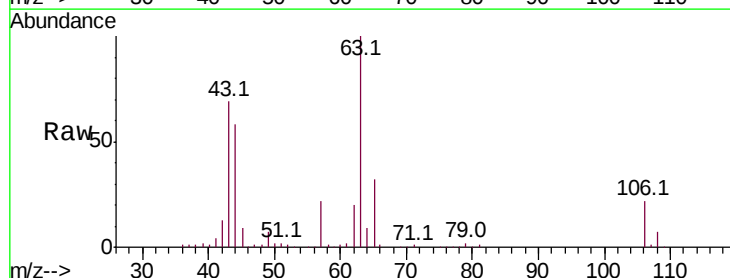
Acq: 14 Dec 2018 13:49

Tgt Ion: 63 Resp: 234055

Ion Ratio Lower Upper

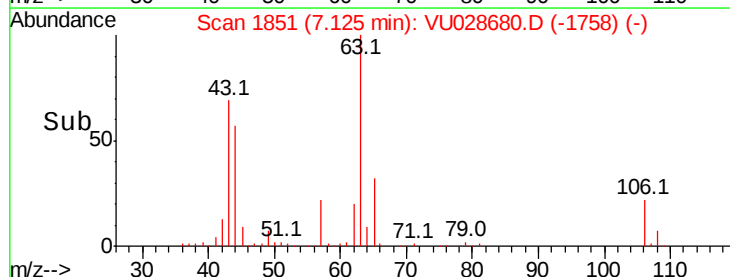
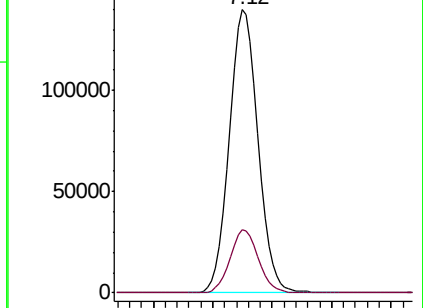
63 100

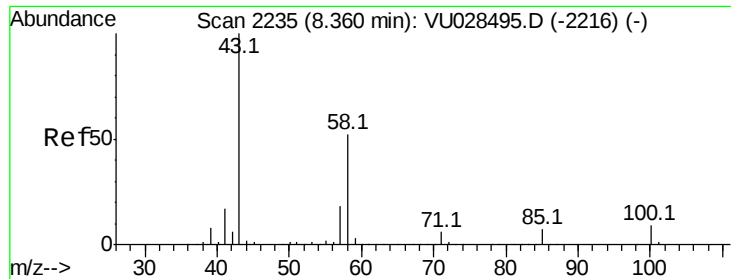
106 22.1 17.8 26.6



Abundance Ion 62.90 (62.60 to 63.60): VU0

Ion 105.90 (105.60 to 106.60): V

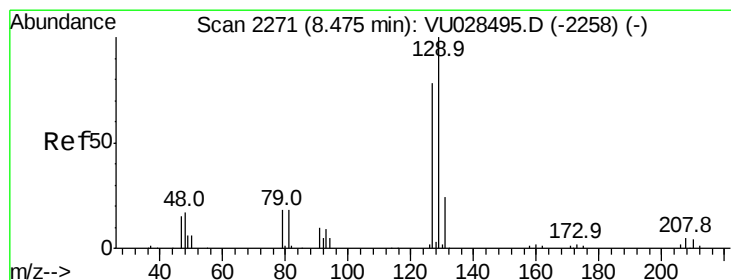
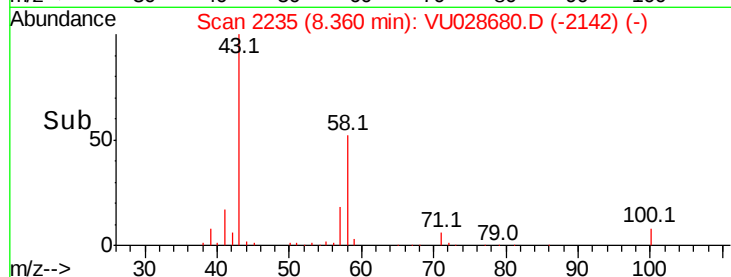
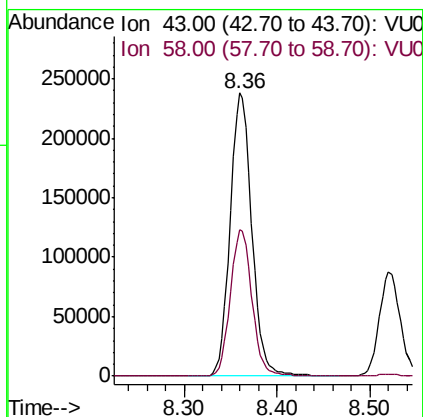
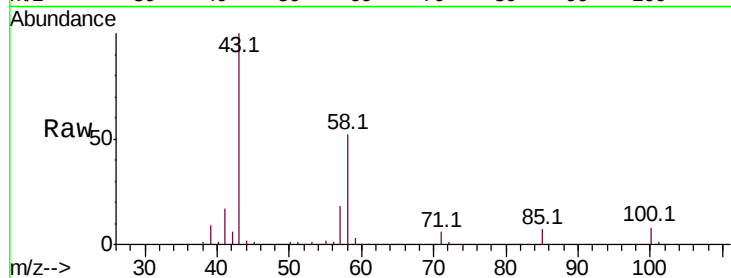




#59
2-Hexanone
Concen: 272.962 ug/l
RT: 8.36 min Scan# 2235
Delta R.T. -0.00 min
Lab File: VU028680.D
Acq: 14 Dec 2018 13:49

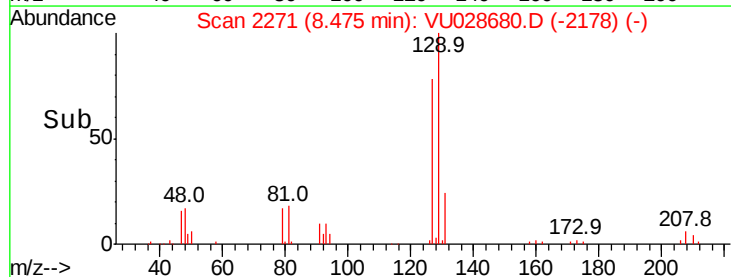
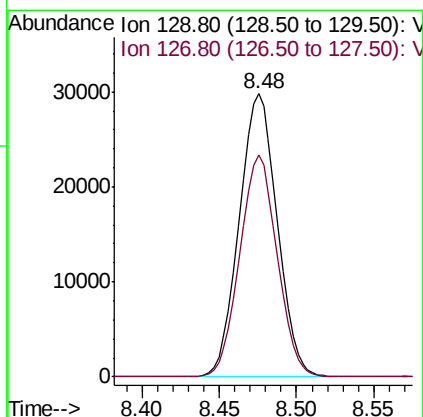
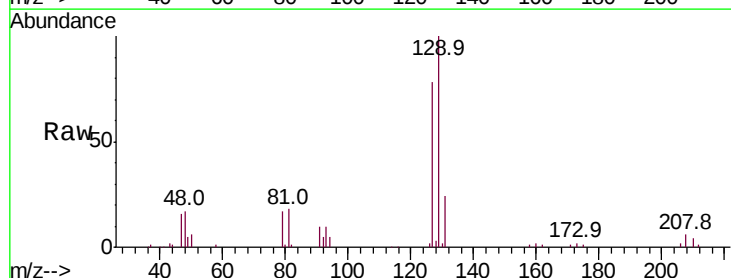
Instrument :
MSVOA_U
ClientSampleId :

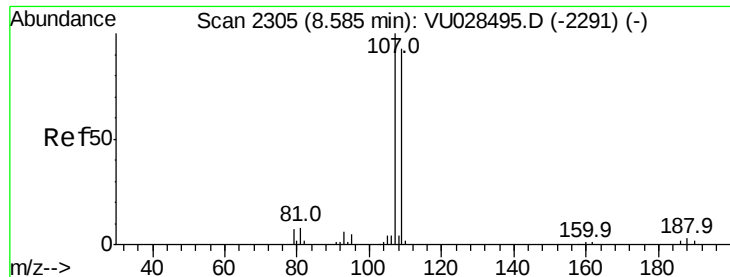
Tot Ion: 43 Resp: 386803
Ion Ratio Lower Upper
43 100
58 51.8 25.9 77.6



#60
Dibromochloromethane
Concen: 54.750 ug/l
RT: 8.48 min Scan# 2271
Delta R.T. -0.00 min
Lab File: VU028680.D
Acq: 14 Dec 2018 13:49

Tgt Ion: 129 Resp: 50918
Ion Ratio Lower Upper
129 100
127 77.1 39.1 117.3





#61

1,2-Dibromoethane

Concen: 54.242 ug/l

RT: 8.58 min Scan# 2305

Delta R.T. -0.00 min

Lab File: VU028680.D

Acq: 14 Dec 2018 13:49

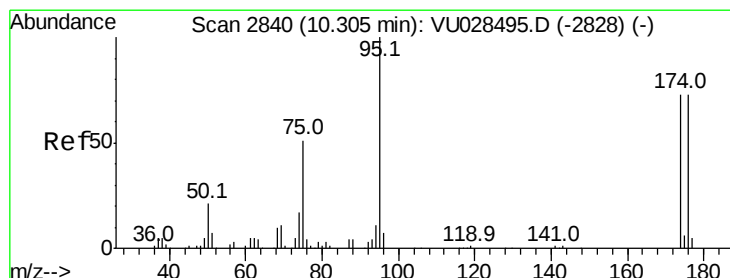
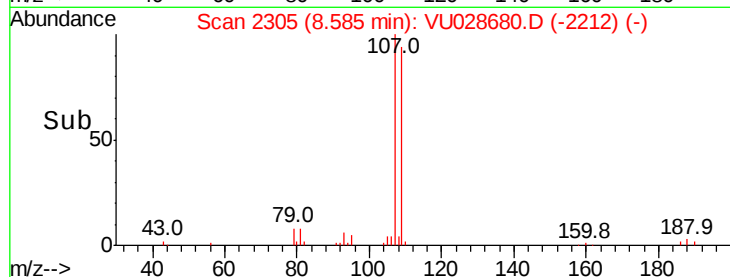
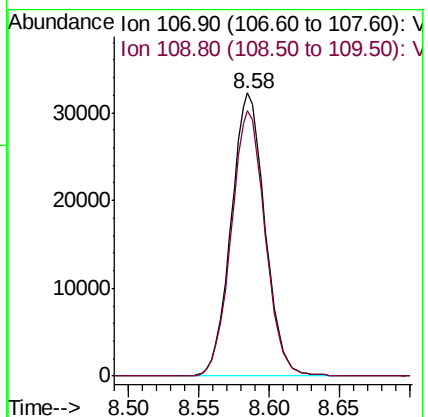
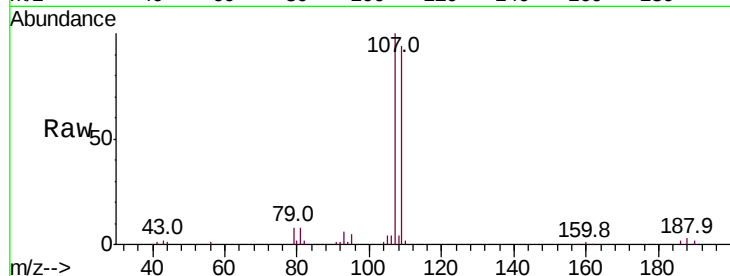
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion:107 Resp: 54031

Ion Ratio Lower Upper

107 100

109 94.0 74.5 111.7



#62

4-Bromofluorobenzene

Concen: 56.279 ug/l

RT: 10.30 min Scan# 2840

Delta R.T. -0.00 min

Lab File: VU028680.D

Acq: 14 Dec 2018 13:49

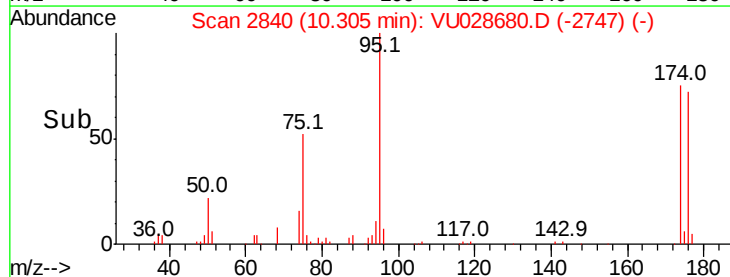
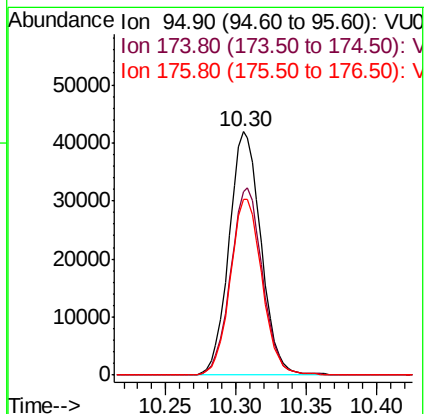
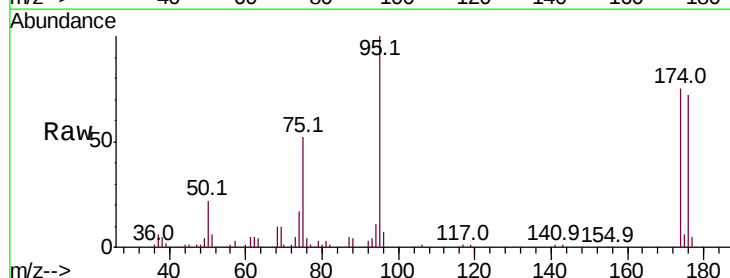
Tgt Ion: 95 Resp: 66342

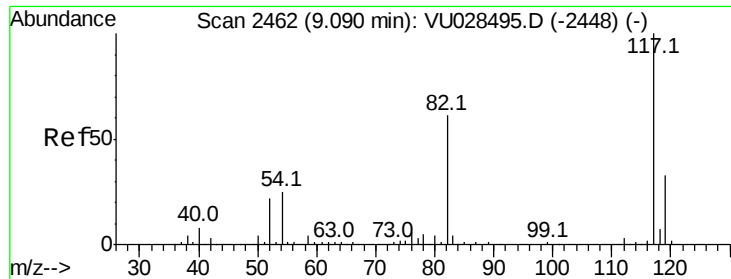
Ion Ratio Lower Upper

95 100

174 76.4 0.0 150.4

176 72.4 0.0 145.2

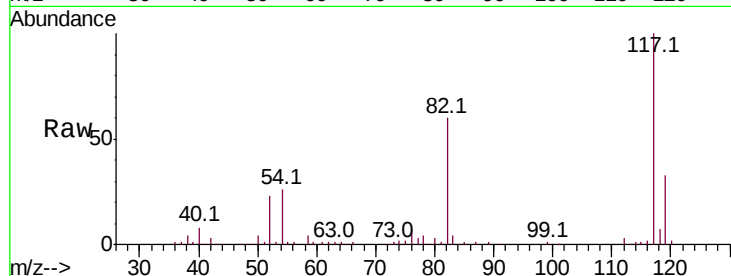




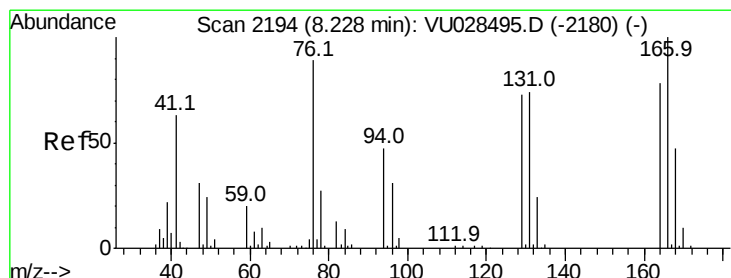
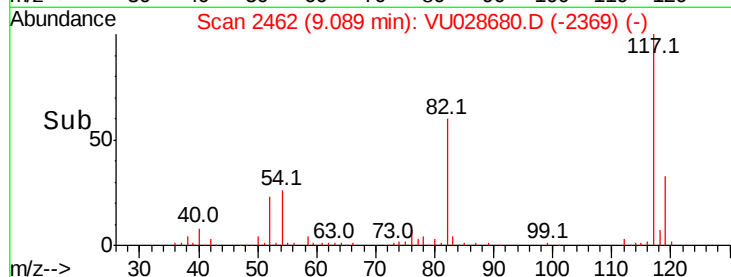
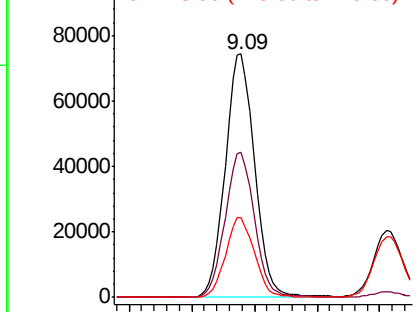
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.09 min Scan# 2462
Delta R.T. -0.00 min
Lab File: VU028680.D
Acq: 14 Dec 2018 13:49

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion:117 Resp: 121140
Ion Ratio Lower Upper
117 100
82 59.5 48.9 73.3
119 32.6 26.2 39.4

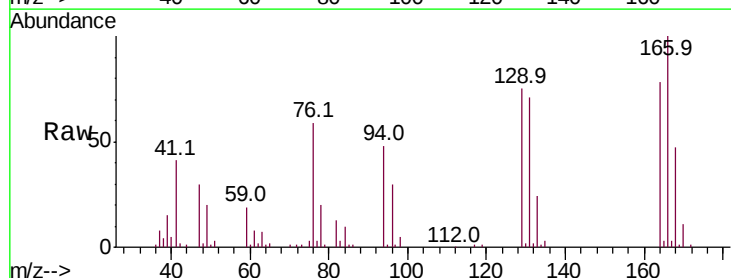


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VU0
Ion 118.90 (118.60 to 119.60): V

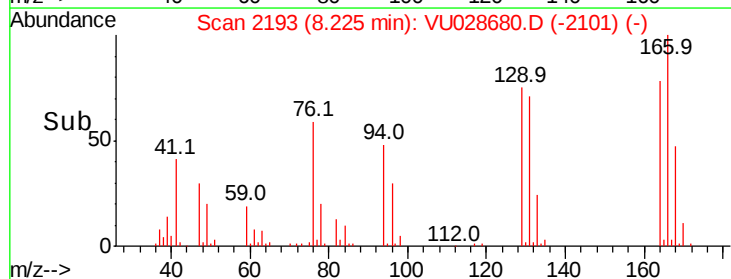
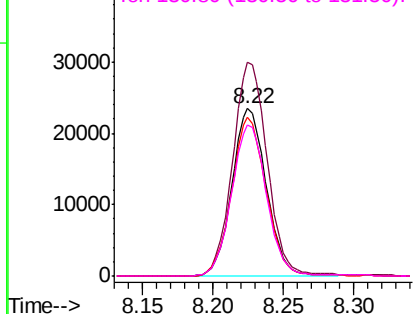


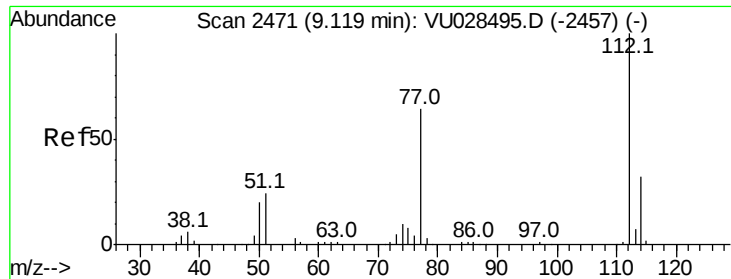
#64
Tetrachloroethene
Concen: 49.613 ug/l
RT: 8.22 min Scan# 2193
Delta R.T. -0.00 min
Lab File: VU028680.D
Acq: 14 Dec 2018 13:49

Tgt Ion:164 Resp: 40089
Ion Ratio Lower Upper
164 100
166 127.4 101.9 152.9
129 95.0 74.9 112.3
131 90.3 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

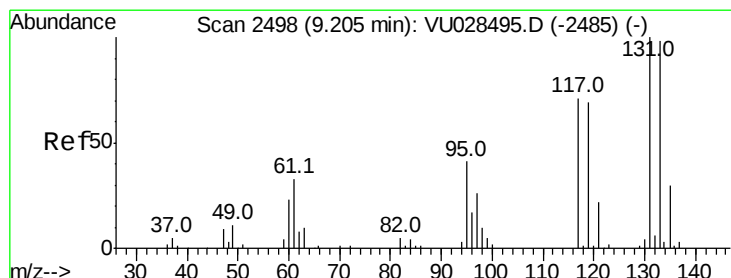
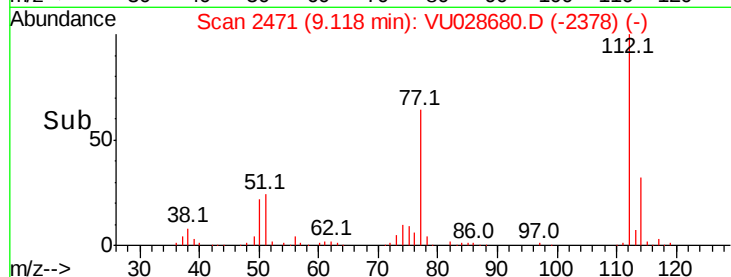
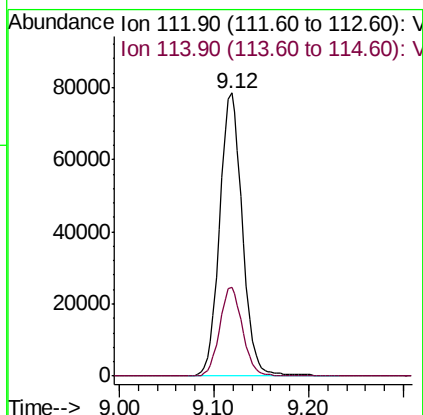
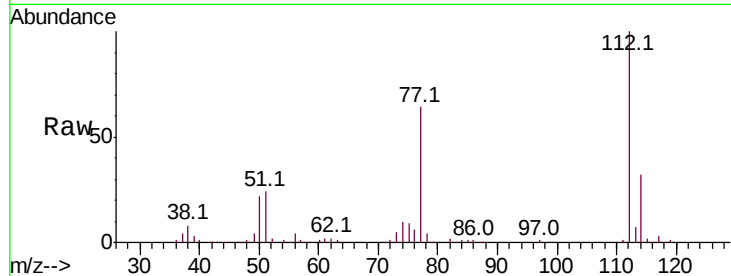




#65
Chlorobenzene
Concen: 50.774 ug/l
RT: 9.12 min Scan# 2471
Delta R.T. -0.00 min
Lab File: VU028680.D
Acq: 14 Dec 2018 13:49

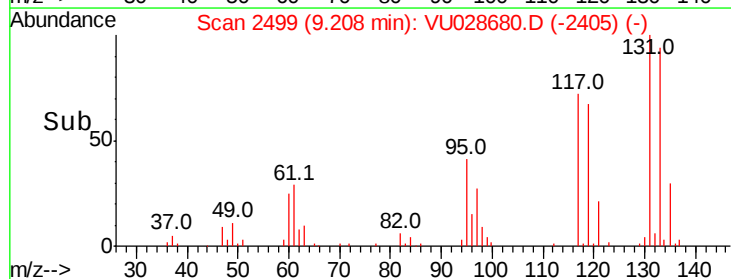
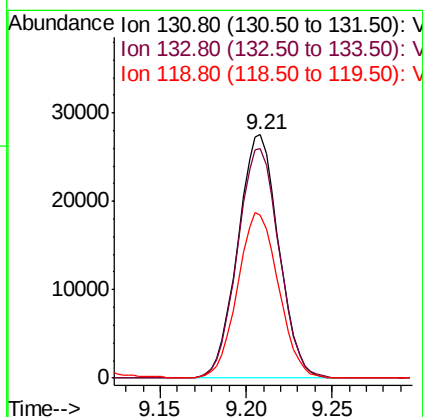
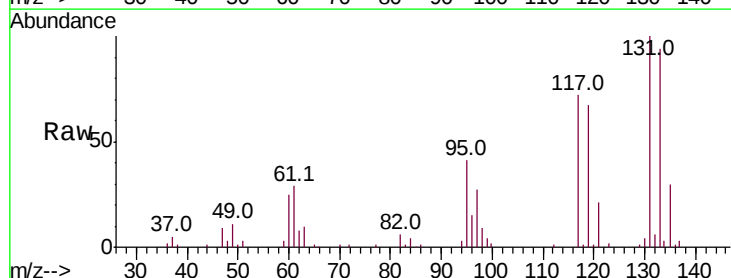
Instrument :
MSVOA_U
ClientSampled :

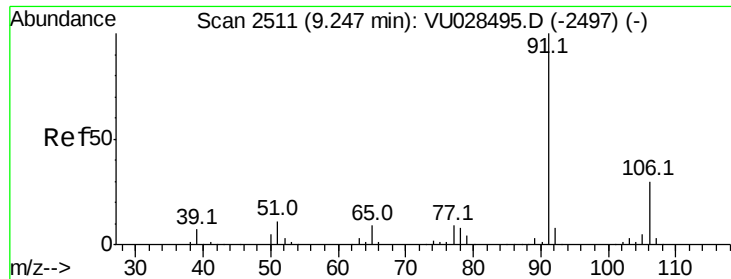
Tot Ion:112 Resp: 131068
Ion Ratio Lower Upper
112 100
114 31.5 25.3 37.9



#66
1,1,1,2-Tetrachloroethane
Concen: 55.122 ug/l
RT: 9.21 min Scan# 2499
Delta R.T. 0.00 min
Lab File: VU028680.D
Acq: 14 Dec 2018 13:49

Tgt Ion:131 Resp: 45438
Ion Ratio Lower Upper
131 100
133 96.4 48.0 144.0
119 68.1 34.6 103.9

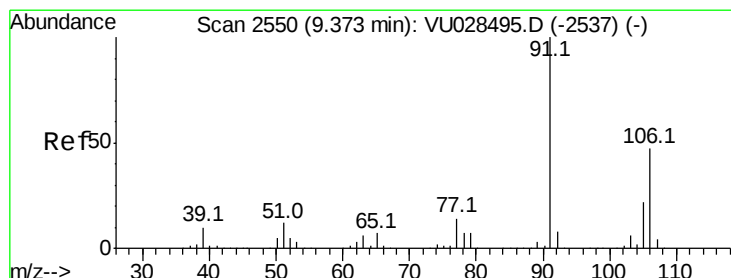
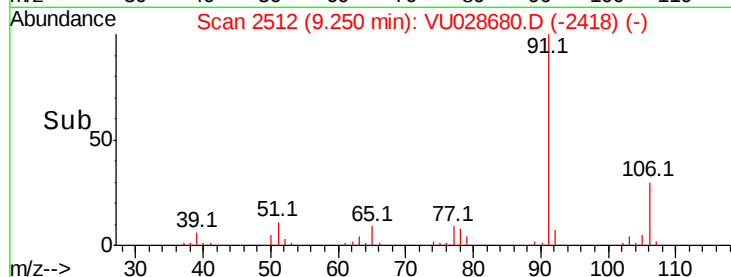
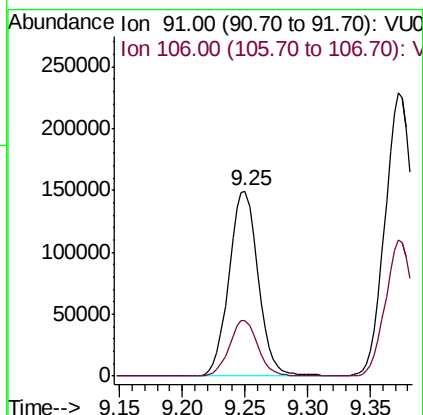
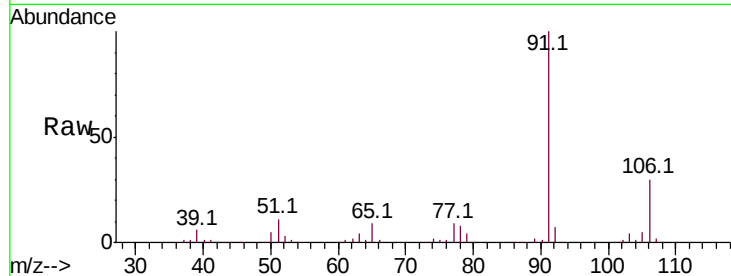




#67
Ethyl Benzene
Concen: 50.980 ug/l
RT: 9.25 min Scan# 2512
Delta R.T. 0.00 min
Lab File: VU028680.D
Acq: 14 Dec 2018 13:49

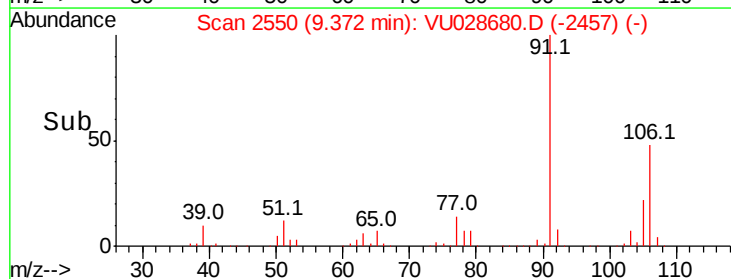
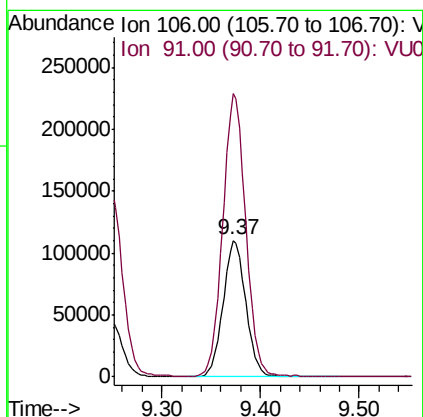
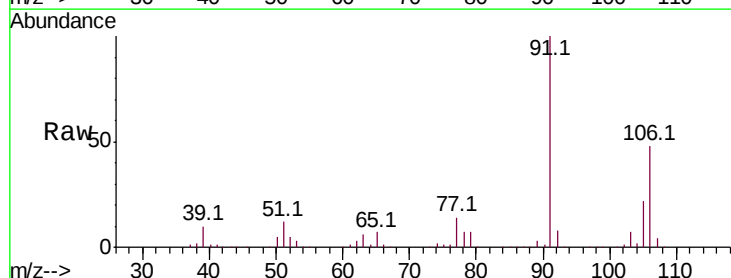
Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 91 Resp: 241919
Ion Ratio Lower Upper
91 100
106 29.9 24.1 36.1



#68
m/p-Xylenes
Concen: 103.663 ug/l
RT: 9.37 min Scan# 2550
Delta R.T. -0.00 min
Lab File: VU028680.D
Acq: 14 Dec 2018 13:49

Tgt Ion: 106 Resp: 178997
Ion Ratio Lower Upper
106 100
91 207.3 167.4 251.0

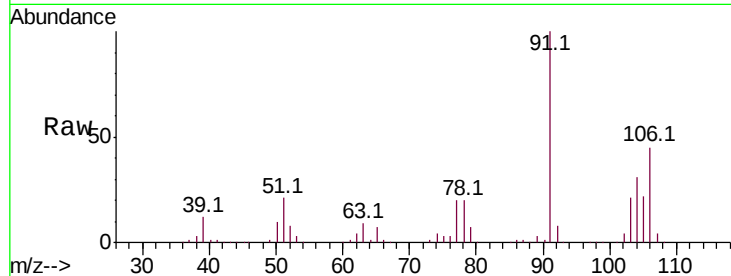




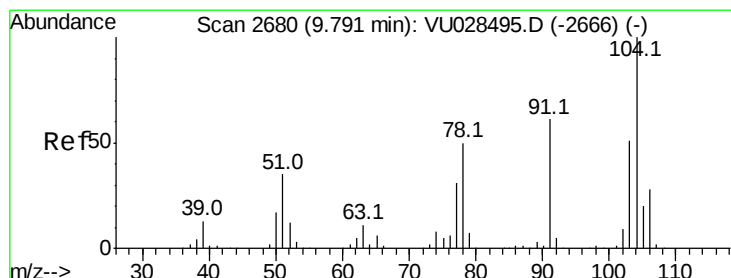
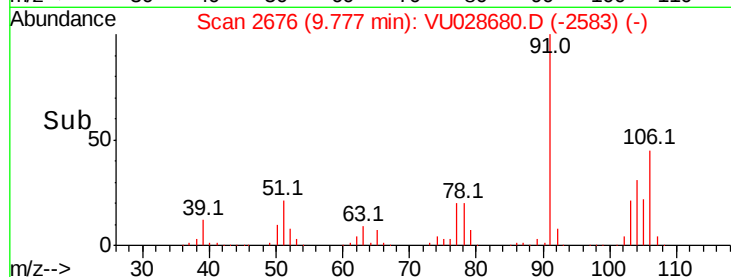
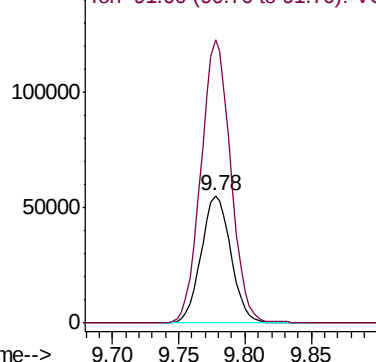
#69
o-Xylene
Concen: 51.327 ug/l
RT: 9.78 min Scan# 2676
Delta R.T. -0.00 min
Lab File: VU028680.D
Acq: 14 Dec 2018 13:49

Instrument :
MSVOA_U
ClientSampled :

Tot Ion:106 Resp: 86128
Ion Ratio Lower Upper
106 100
91 223.0 111.3 334.0

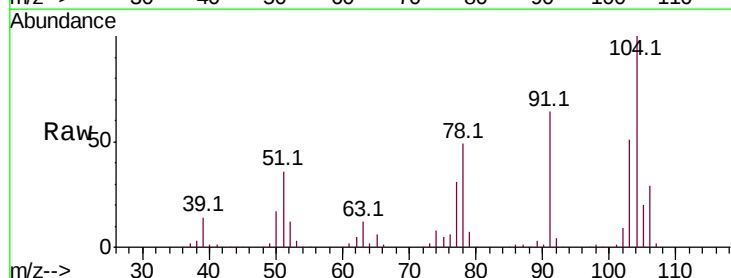


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VU0

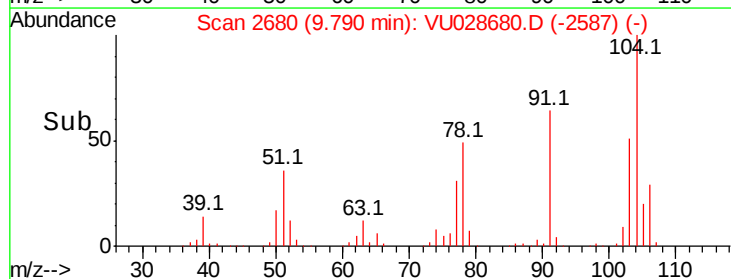
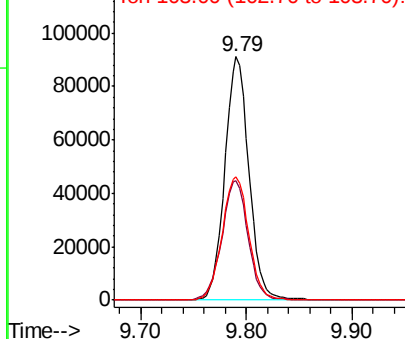


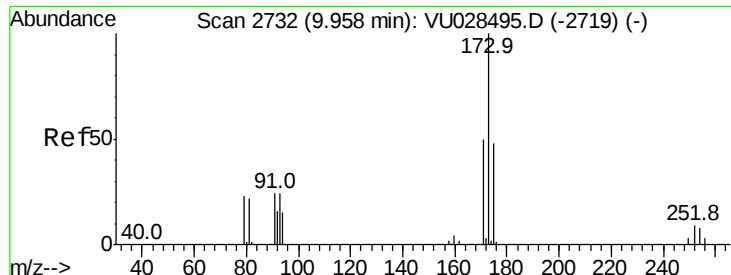
#70
Styrene
Concen: 51.790 ug/l
RT: 9.79 min Scan# 2680
Delta R.T. -0.00 min
Lab File: VU028680.D
Acq: 14 Dec 2018 13:49

Tgt Ion:104 Resp: 143822
Ion Ratio Lower Upper
104 100
78 53.6 43.0 64.6
103 56.2 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: 56.891 ug/l

RT: 9.96 min Scan# 2732

Delta R.T. -0.00 min

Lab File: VU028680.D

Acq: 14 Dec 2018 13:49

Instrument :
MSVOA_U
ClientSampleId :

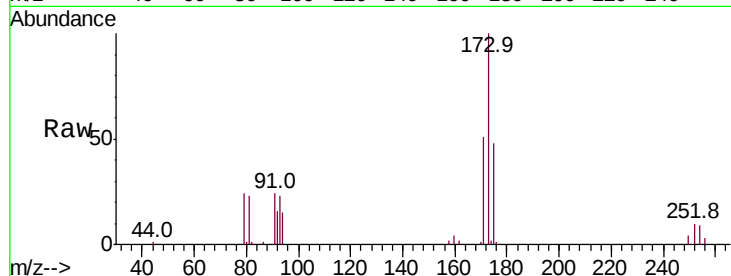
Tot Ion:173 Resp: 39894

Ion Ratio Lower Upper

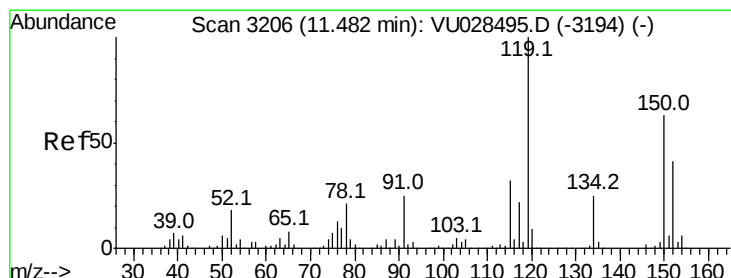
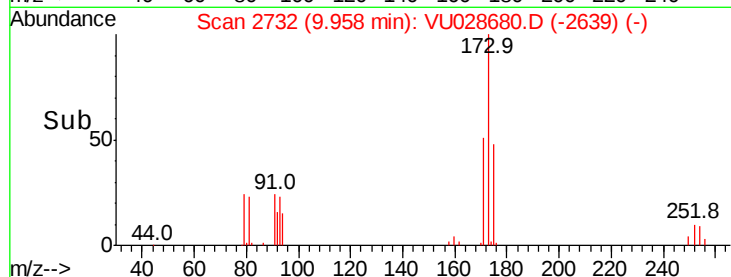
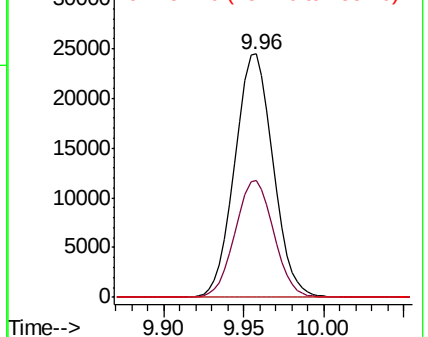
173 100

175 48.2 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: VU028680.D

Acq: 14 Dec 2018 13:49

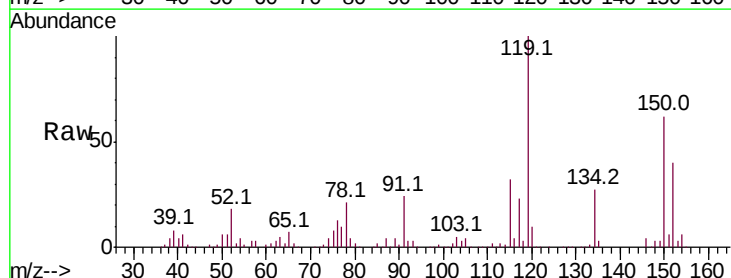
Tgt Ion:152 Resp: 61115

Ion Ratio Lower Upper

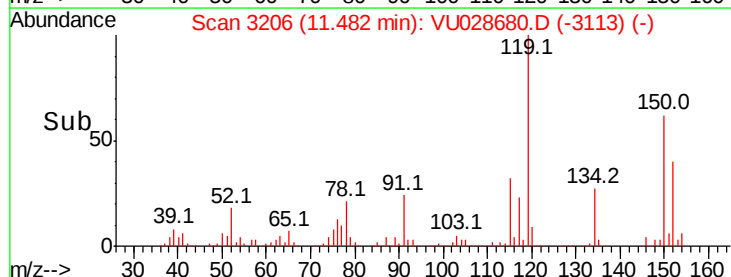
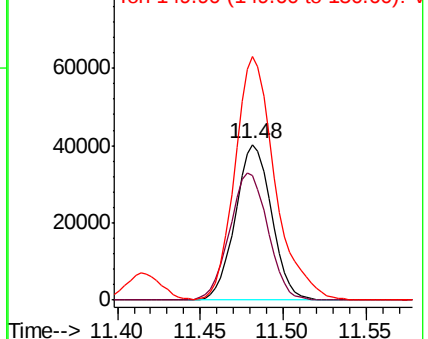
152 100

115 86.5 42.7 128.1

150 173.4 0.0 346.0



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 49.292 ug/l

RT: 10.16 min Scan# 2796

Delta R.T. -0.00 min

Lab File: VU028680.D

Acq: 14 Dec 2018 13:49

Instrument :

MSVOA_U

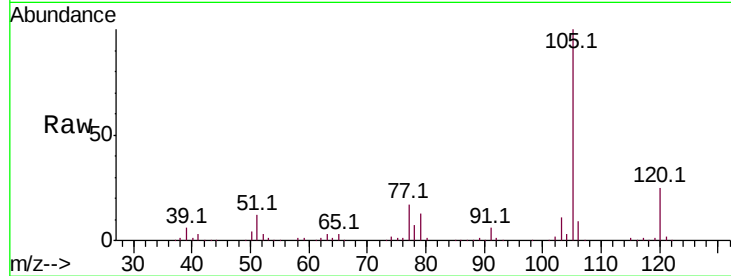
ClientSampleId :

Tot Ion:105 Resp: 231160

Ion Ratio Lower Upper

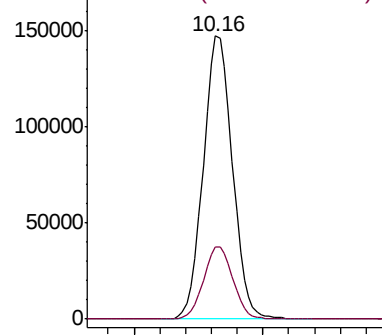
105 100

120 25.6 12.9 38.6

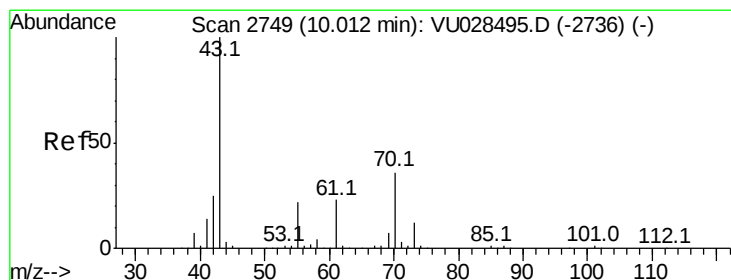
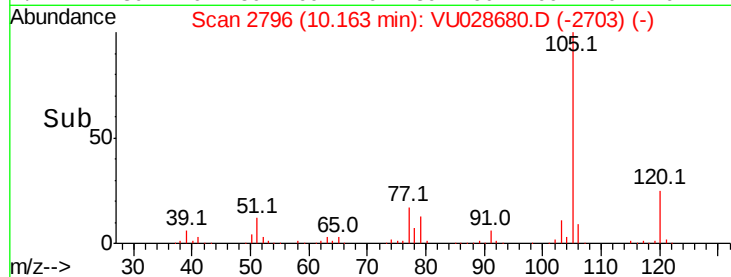


Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



Time-->



#74

N-ethyl acetate

Concen: 50.895 ug/l

RT: 10.01 min Scan# 2749

Delta R.T. -0.00 min

Lab File: VU028680.D

Acq: 14 Dec 2018 13:49

Tgt Ion: 43 Resp: 137676

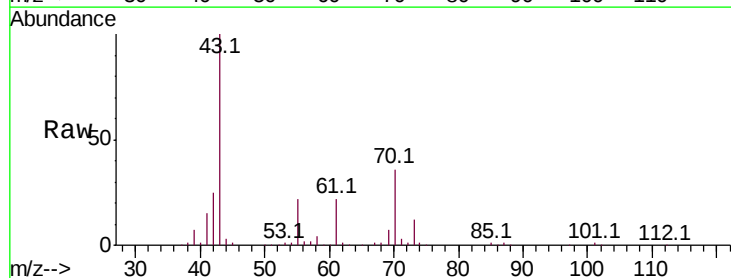
Ion Ratio Lower Upper

43 100

70 36.6 29.3 43.9

55 23.0 18.0 27.0

61 22.3 18.3 27.5

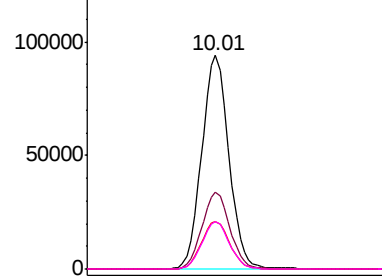


Abundance Ion 43.00 (42.70 to 43.70): VU0

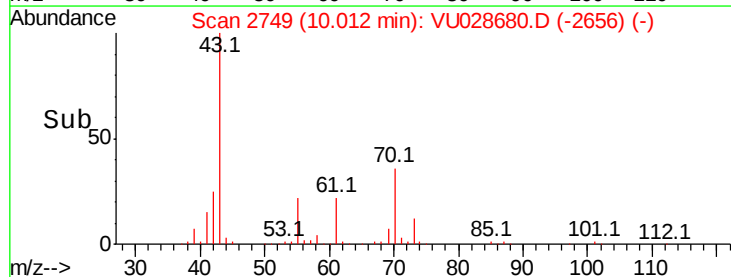
Ion 70.00 (69.70 to 70.70): VU0

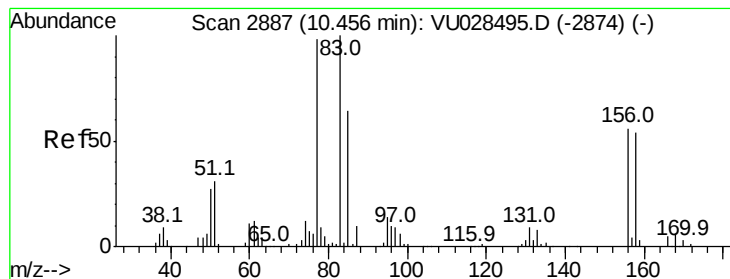
Ion 55.00 (54.70 to 55.70): VU0

Ion 61.00 (60.70 to 61.70): VU0



Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 52.293 ug/l

RT: 10.46 min Scan# 2887

Delta R.T. -0.00 min

Lab File: VU028680.D

Acq: 14 Dec 2018 13:49

Instrument :

MSVOA_U

ClientSampleId :

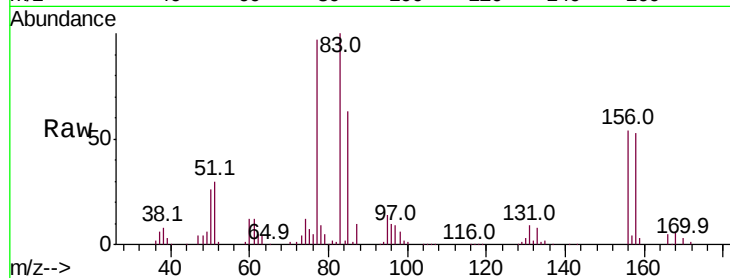
Tot Ion: 83 Resp: 94205

Ion Ratio Lower Upper

83 100

131 8.5 4.2 12.4

85 63.7 31.8 95.4

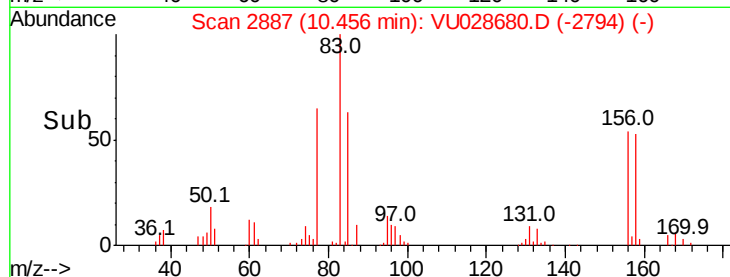


Abundance Ion 82.90 (82.60 to 83.60): VU028495.D (-2874) (-)

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

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

Time-->



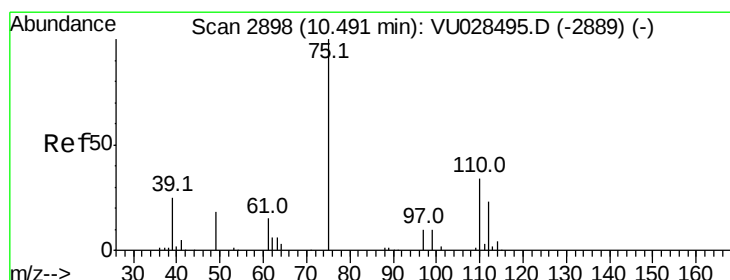
Abundance

Ion 82.90 (82.60 to 83.60): VU028680.D (-2794) (-)

Ion 130.80 (130.50 to 131.50): VU028680.D (-2794) (-)

Ion 84.90 (84.60 to 85.60): VU028680.D (-2794) (-)

Time-->



#76

1,2,3-Trichloropropane

Concen: 72.830 ug/l

RT: 10.49 min Scan# 2898

Delta R.T. -0.00 min

Lab File: VU028680.D

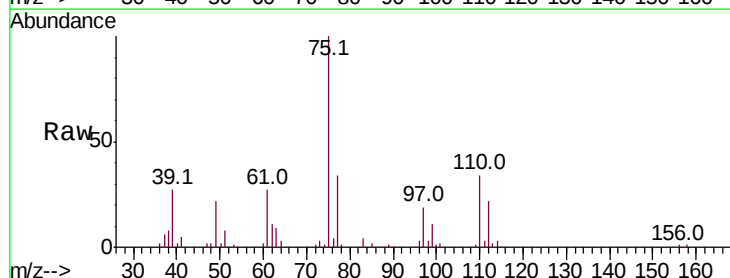
Acq: 14 Dec 2018 13:49

Tgt Ion: 75 Resp: 113658

Ion Ratio Lower Upper

75 100

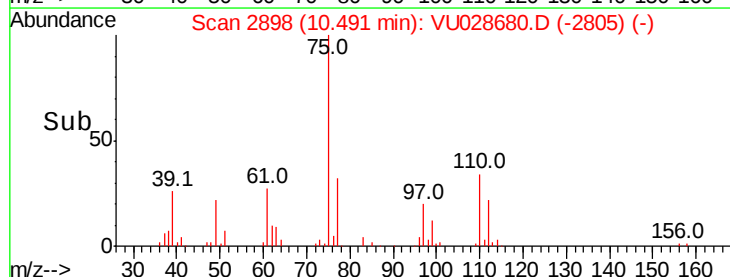
77 30.5 20.8 62.4



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

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

Time-->

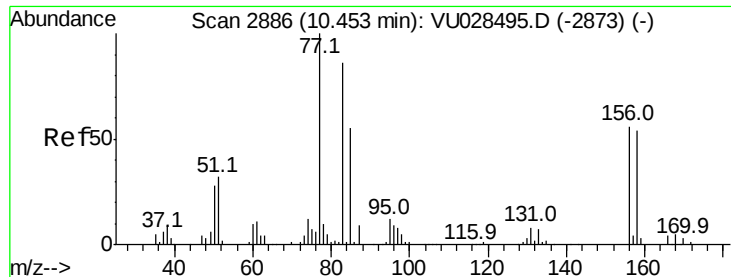


Abundance

Ion 74.90 (74.60 to 75.60): VU028680.D (-2805) (-)

Ion 77.00 (76.70 to 77.70): VU028680.D (-2805) (-)

Time-->



#77

Bromobenzene

Concen: 49.844 ug/l

RT: 10.45 min Scan# 2886

Delta R.T. -0.00 min

Lab File: VU028680.D

Acq: 14 Dec 2018 13:49

Instrument :

MSVOA_U

ClientSampleId :

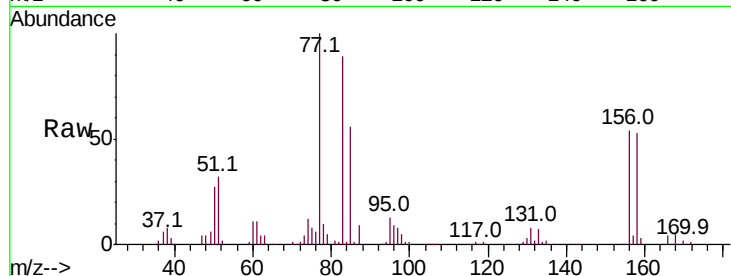
Tot Ion:156 Resp: 54668

Ion Ratio Lower Upper

156 100

77 188.2 92.4 277.2

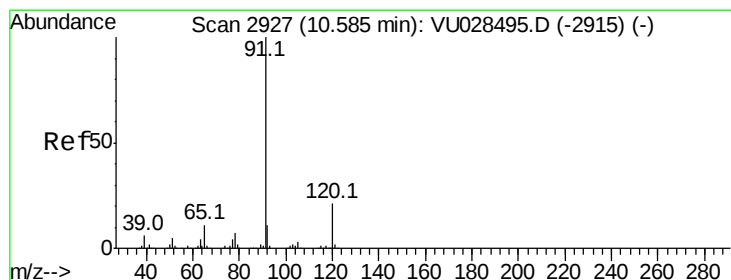
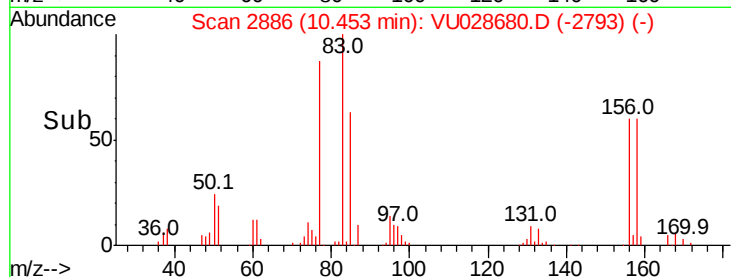
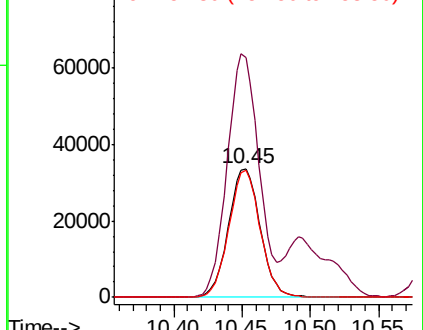
158 97.5 48.4 145.3



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: 49.845 ug/l

RT: 10.59 min Scan# 2928

Delta R.T. 0.00 min

Lab File: VU028680.D

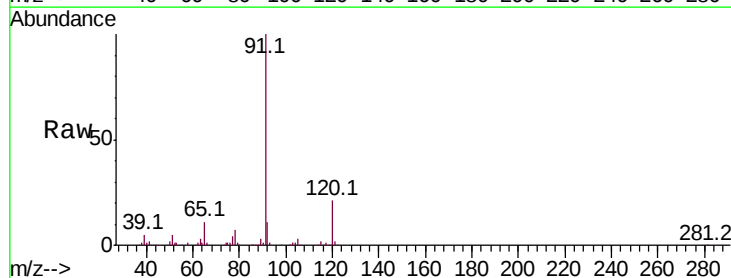
Acq: 14 Dec 2018 13:49

Tgt Ion: 91 Resp: 290456

Ion Ratio Lower Upper

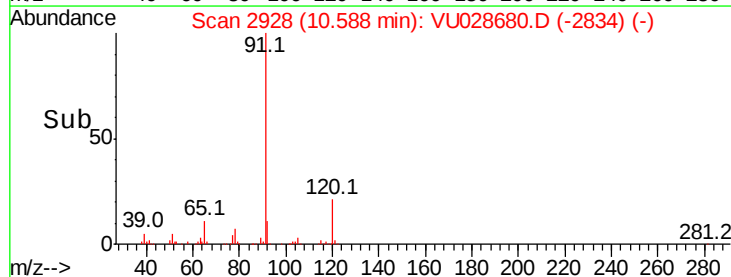
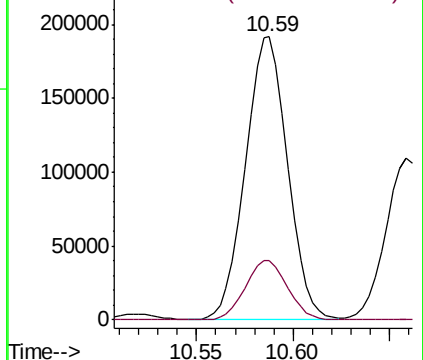
91 100

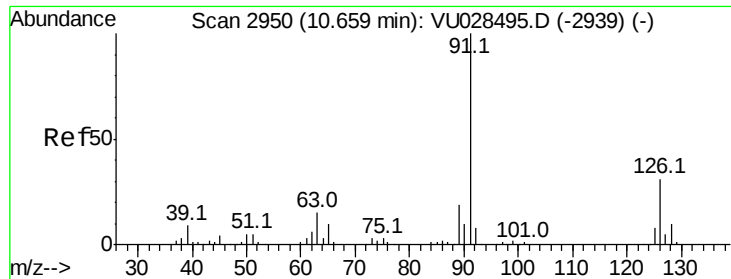
120 21.0 10.6 31.8



Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 120.00 (119.70 to 120.70): V

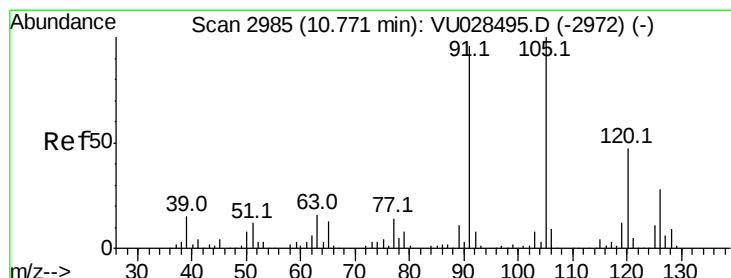
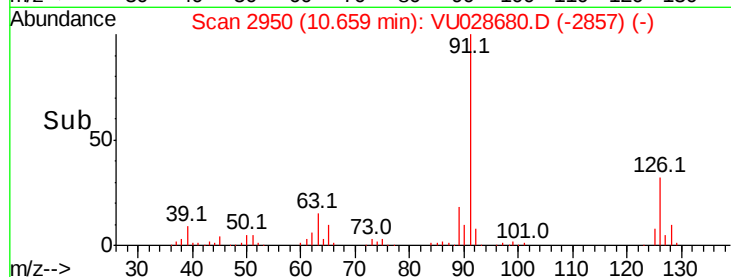
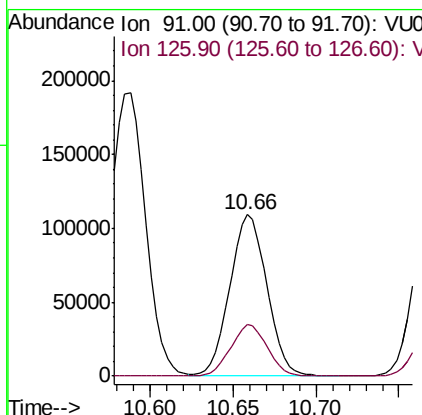
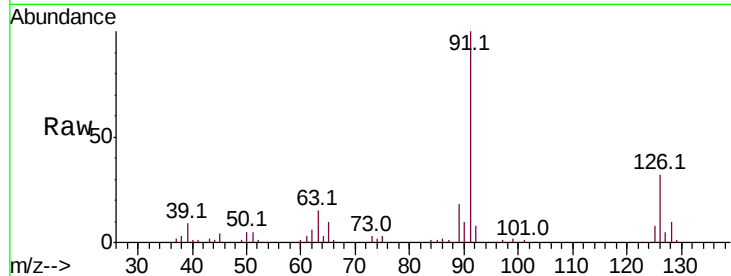




#79
 2-Chlorotoluene
 Concen: 50.402 ug/l
 RT: 10.66 min Scan# 2950
 Delta R.T. -0.00 min
 Lab File: VU028680.D
 Acq: 14 Dec 2018 13:49

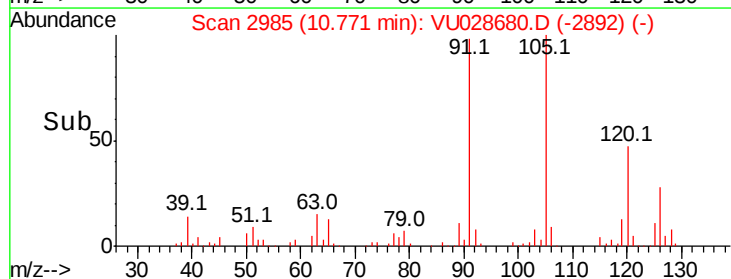
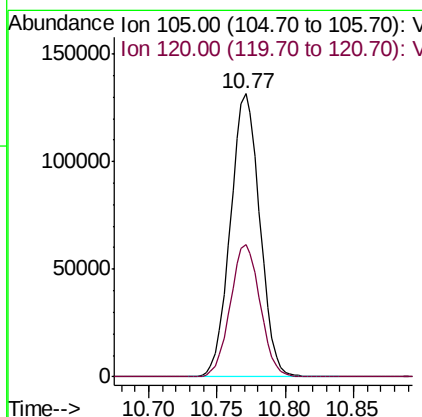
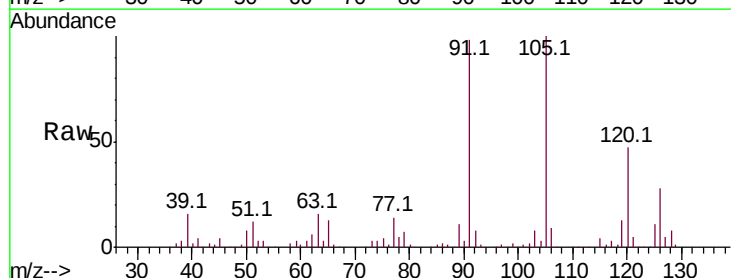
Instrument :
 MSVOA_U
 ClientSampleId :

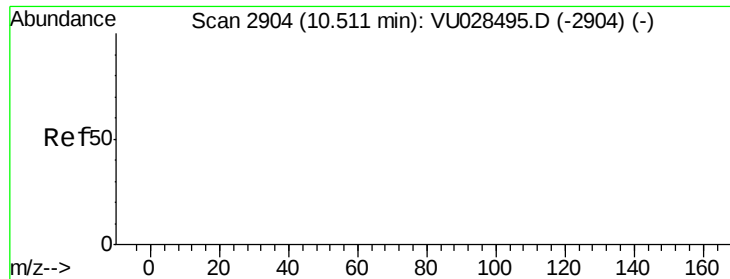
Tot Ion: 91 Resp: 169182
 Ion Ratio Lower Upper
 91 100
 126 31.9 15.6 46.8



#80
 1,3,5-Trimethylbenzene
 Concen: 50.746 ug/l
 RT: 10.77 min Scan# 2985
 Delta R.T. -0.00 min
 Lab File: VU028680.D
 Acq: 14 Dec 2018 13:49

Tgt Ion:105 Resp: 196992
 Ion Ratio Lower Upper
 105 100
 120 47.4 23.7 71.1





#81

trans-1,4-Dichloro-2-butene

Concen: 177.714 ug/l

RT: 10.49 min Scan# 2898

Delta R.T. -0.02 min

Lab File: VU028680.D

Acq: 14 Dec 2018 13:49

Instrument :

MSVOA_U

ClientSampleId :

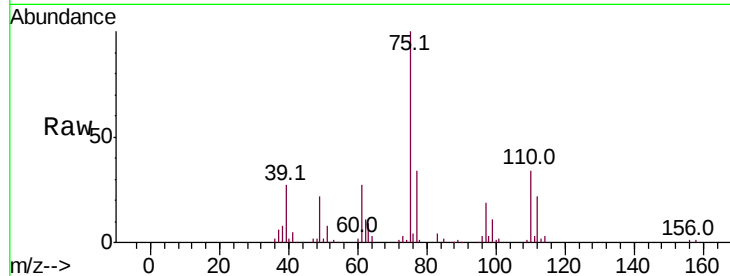
Tot Ion: 75 Resp: 113658

Ion Ratio Lower Upper

75 100

53 0.0 0.0 0.0

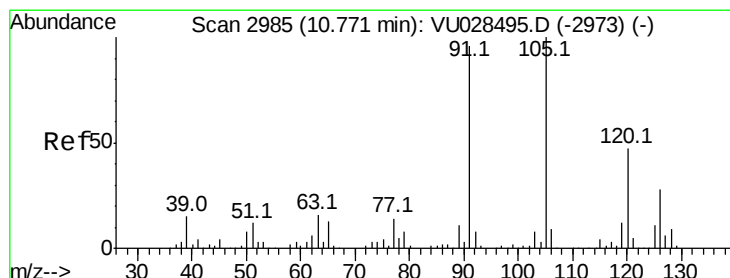
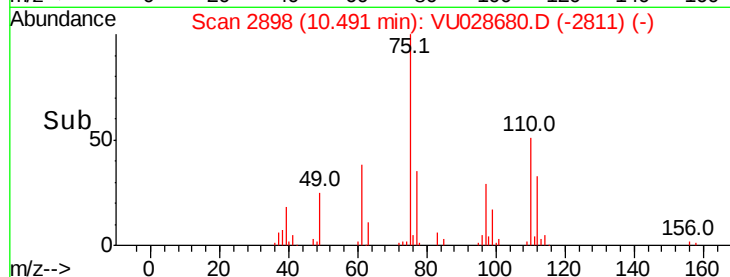
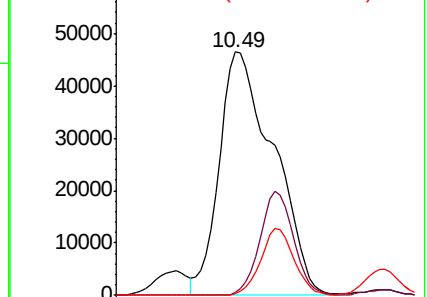
89 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 53.00 (52.70 to 53.70): VU0

Ion 88.90 (88.60 to 89.60): VU0



#82

4-Chlorotoluene

Concen: 49.268 ug/l

RT: 10.77 min Scan# 2985

Delta R.T. -0.00 min

Lab File: VU028680.D

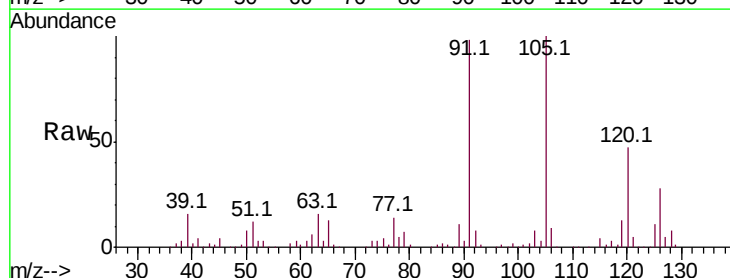
Acq: 14 Dec 2018 13:49

Tgt Ion: 91 Resp: 195970

Ion Ratio Lower Upper

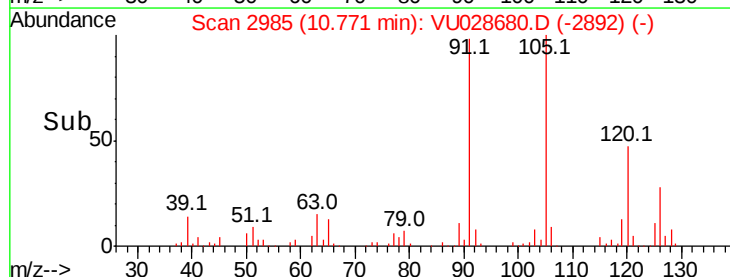
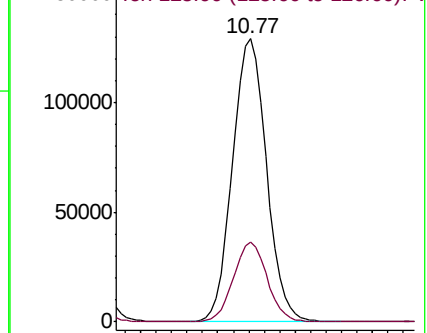
91 100

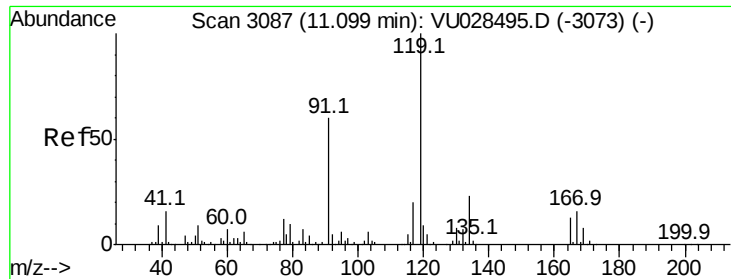
126 28.1 14.1 42.3



Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 125.90 (125.60 to 126.60): V

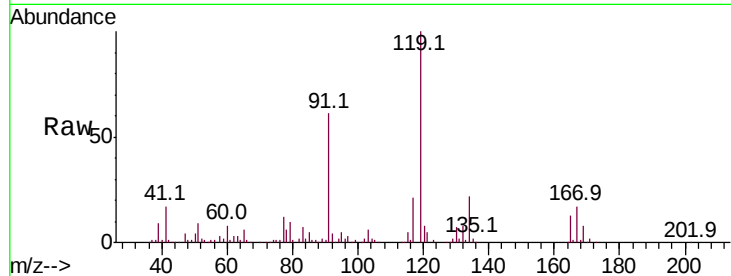




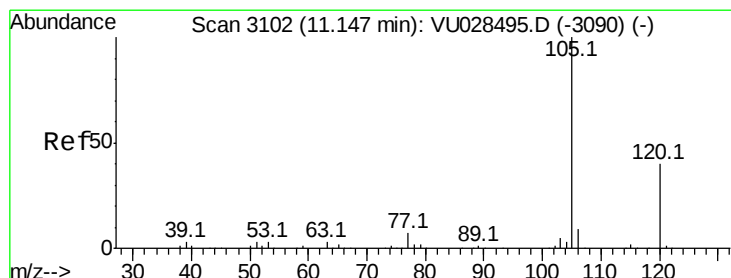
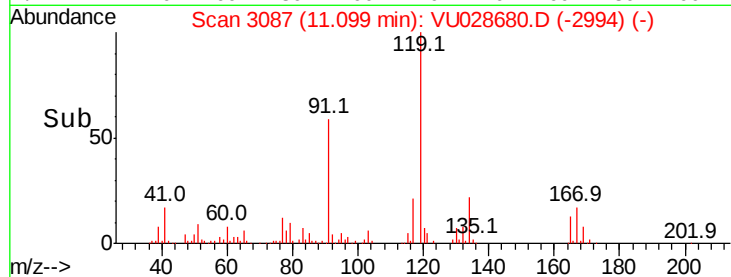
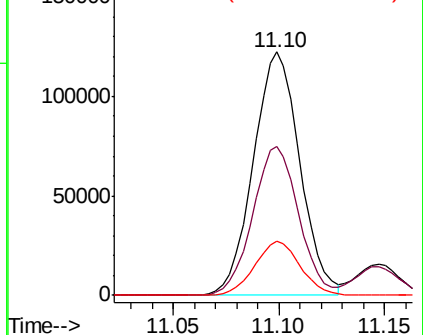
#83
tert-Butylbenzene
Concen: 50.143 ug/l
RT: 11.10 min Scan# 3087
Delta R.T. -0.00 min
Lab File: VU028680.D
Acq: 14 Dec 2018 13:49

Instrument :
MSVOA_U
ClientSampled :

Tot Ion	Ratio	Lower	Upper
119	100		
91	60.4	30.3	91.0
134	21.7	11.2	33.5

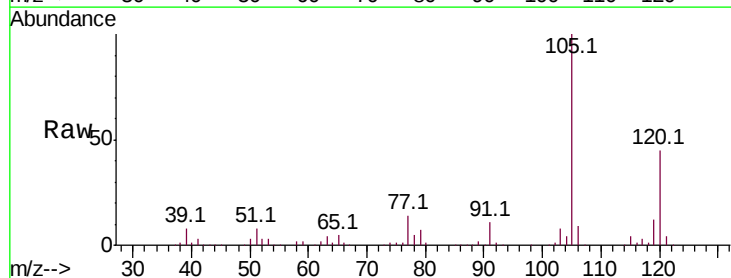


Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): V
Ion 134.00 (133.70 to 134.70): V

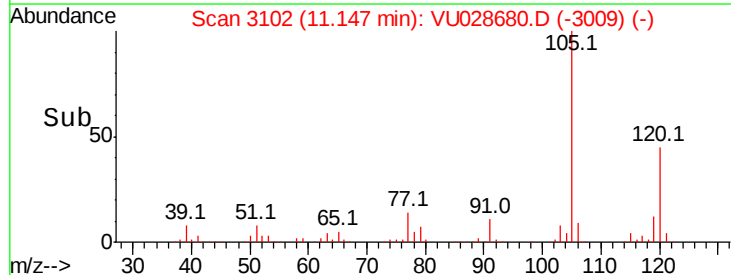
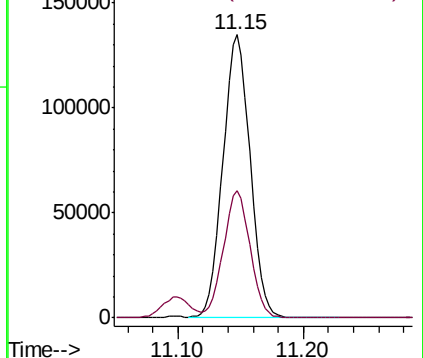


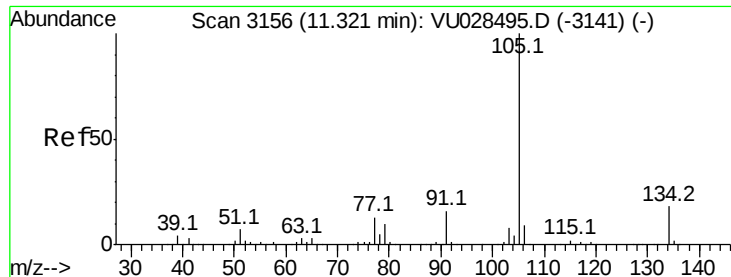
#84
1,2,4-Trimethylbenzene
Concen: 50.551 ug/l
RT: 11.15 min Scan# 3102
Delta R.T. -0.00 min
Lab File: VU028680.D
Acq: 14 Dec 2018 13:49

Tgt Ion	Ratio	Lower	Upper
105	100		
120	44.1	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: 50.150 ug/l

RT: 11.32 min Scan# 3157

Delta R.T. 0.00 min

Lab File: VU028680.D

Acq: 14 Dec 2018 13:49

Instrument :

MSVOA_U

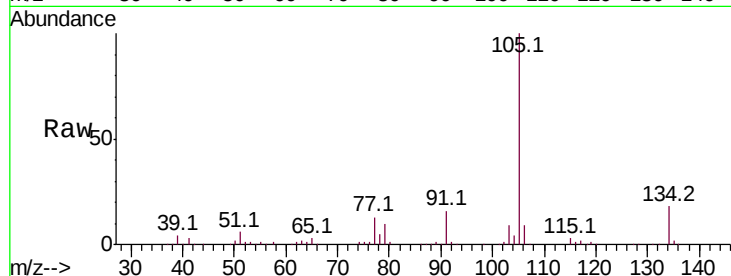
ClientSampleId :

Tot Ion:105 Resp: 241058

Ion Ratio Lower Upper

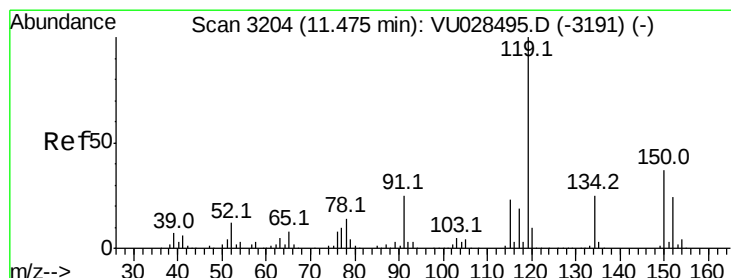
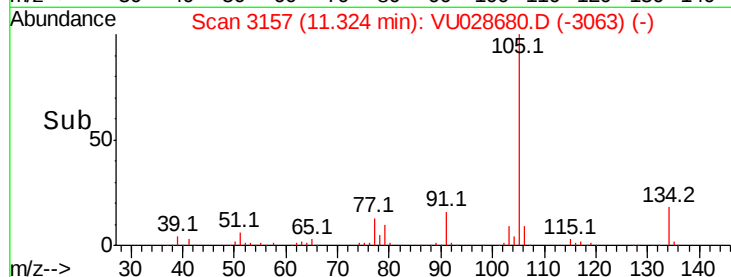
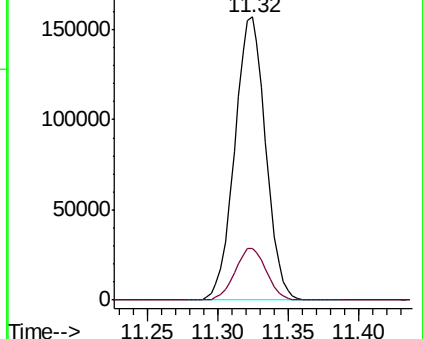
105 100

134 18.6 9.2 27.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 49.511 ug/l

RT: 11.48 min Scan# 3204

Delta R.T. -0.00 min

Lab File: VU028680.D

Acq: 14 Dec 2018 13:49

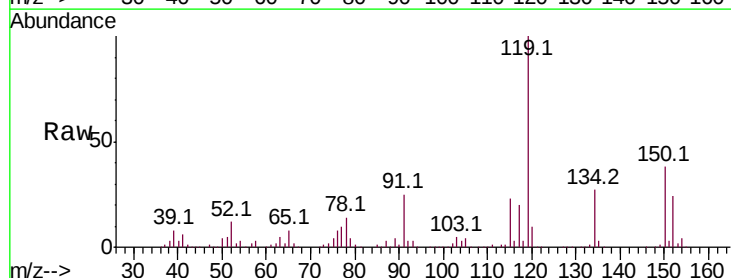
Tgt Ion:119 Resp: 202162

Ion Ratio Lower Upper

119 100

134 26.3 12.7 38.1

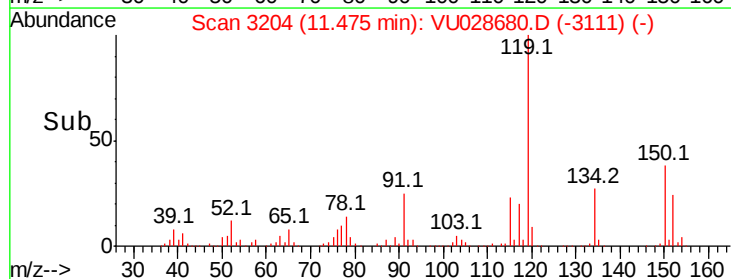
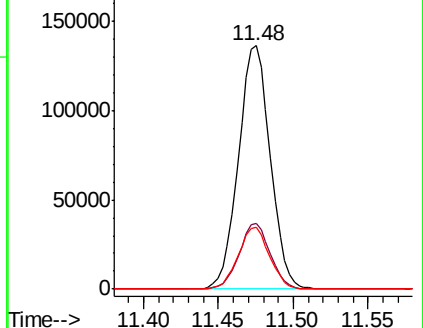
91 25.1 12.6 37.6



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VU0

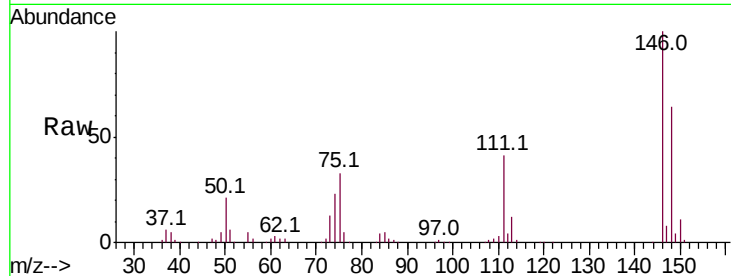




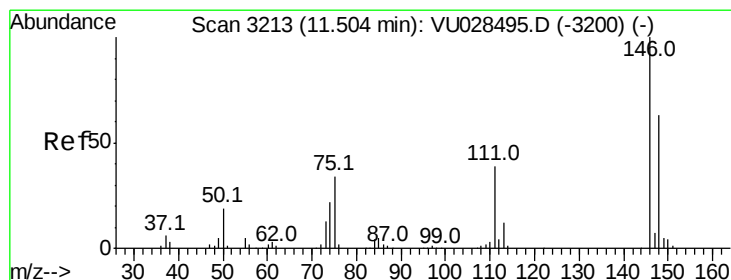
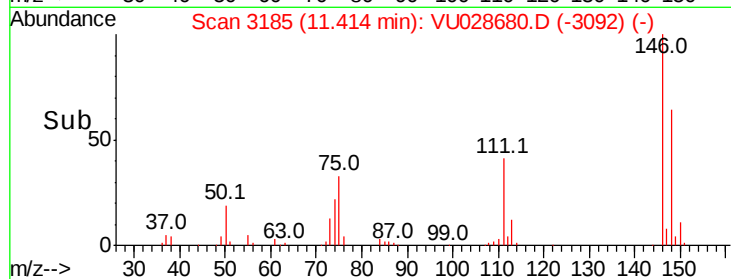
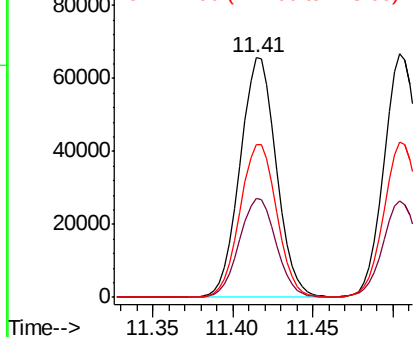
#87
 1,3-Dichlorobenzene
 Concen: 49.132 ug/l
 RT: 11.41 min Scan# 3185
 Delta R.T. -0.00 min
 Lab File: VU028680.D
 Acq: 14 Dec 2018 13:49

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion:146 Resp: 101752
 Ion Ratio Lower Upper
 146 100
 111 41.7 20.7 62.1
 148 64.7 31.9 95.7

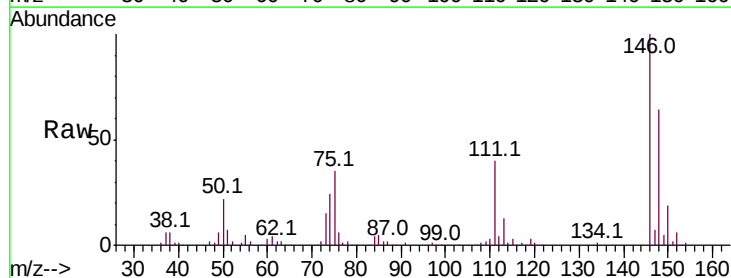


Abundance Ion 145.90 (145.60 to 146.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

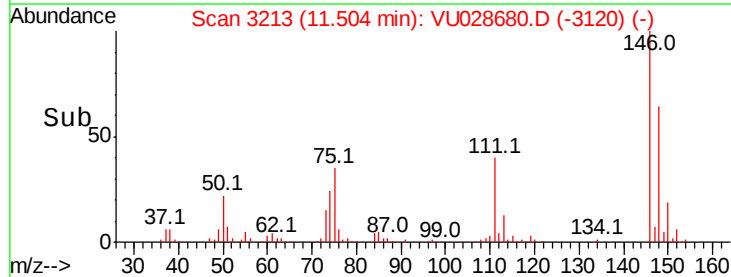
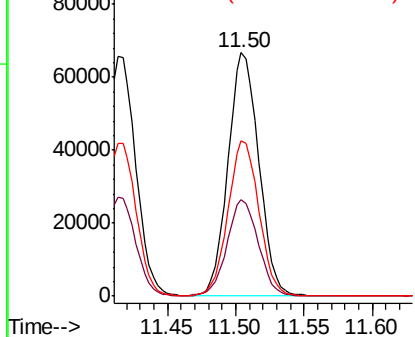


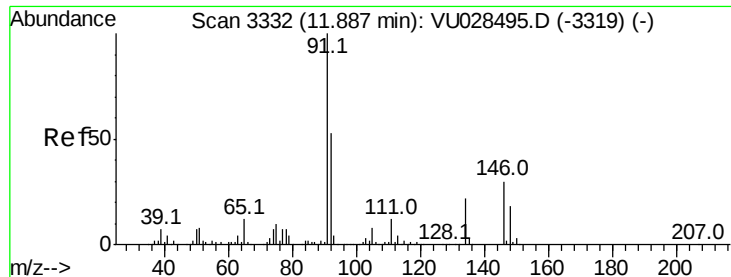
#88
 1,4-Dichlorobenzene
 Concen: 48.942 ug/l
 RT: 11.50 min Scan# 3213
 Delta R.T. -0.00 min
 Lab File: VU028680.D
 Acq: 14 Dec 2018 13:49

Tgt Ion:146 Resp: 104867
 Ion Ratio Lower Upper
 146 100
 111 40.1 20.2 60.5
 148 64.0 31.6 95.0



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

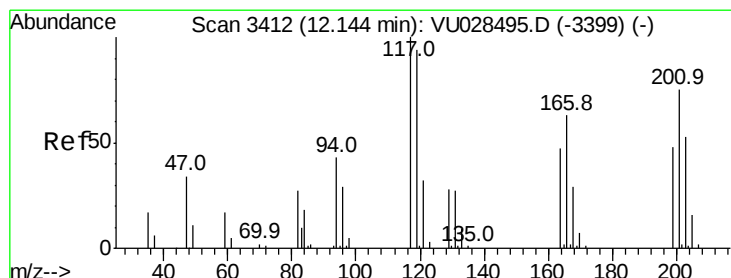
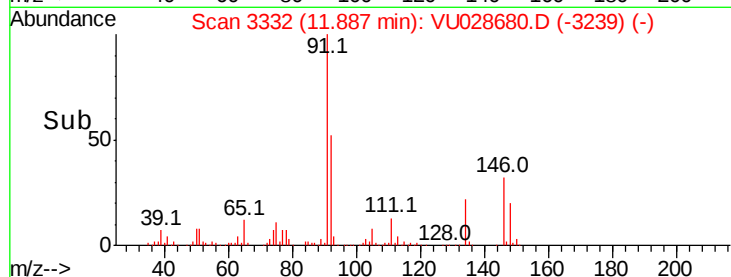
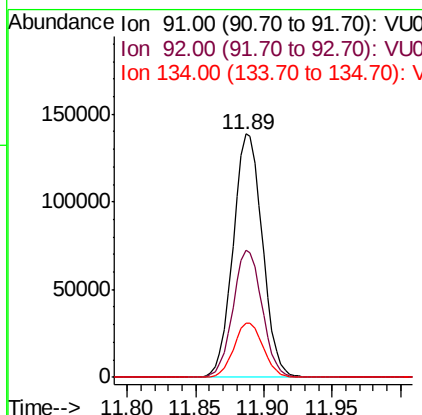
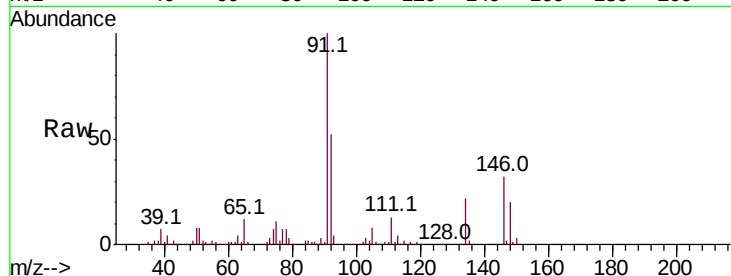




#89
n-Butylbenzene
Concen: 50.057 ug/l
RT: 11.89 min Scan# 3332
Delta R.T. -0.00 min
Lab File: VU028680.D
Acq: 14 Dec 2018 13:49

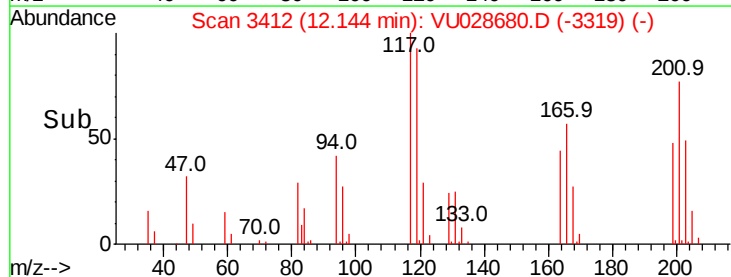
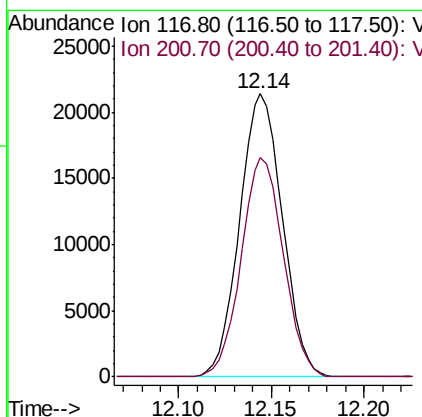
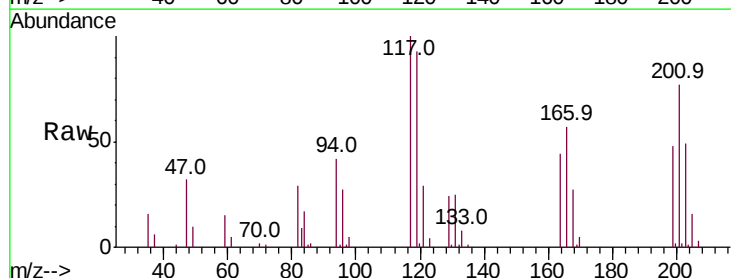
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.0	26.3	78.9
134	22.4	11.3	33.8



#90
Hexachloroethane
Concen: 55.444 ug/l
RT: 12.14 min Scan# 3412
Delta R.T. -0.00 min
Lab File: VU028680.D
Acq: 14 Dec 2018 13:49

Tgt Ion	Ratio	Lower	Upper
117	100		
201	76.3	38.1	114.5

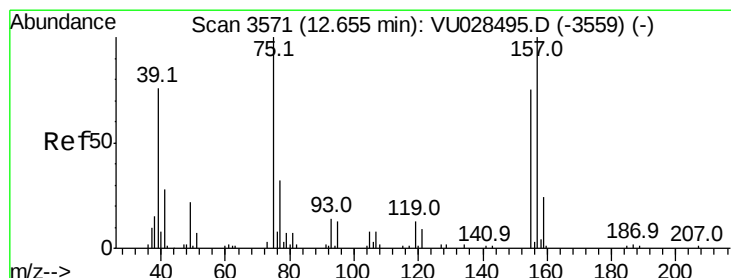
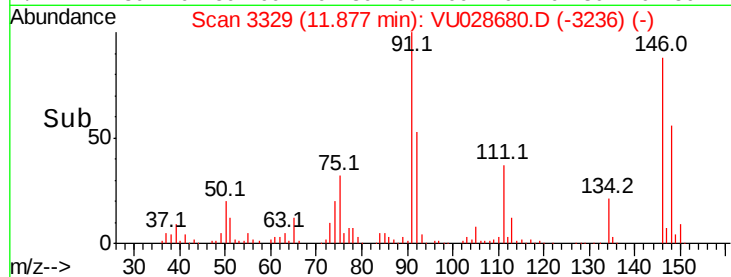
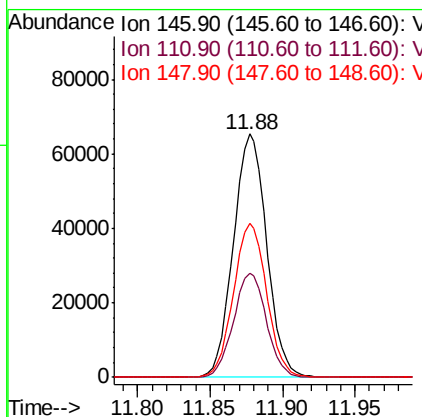
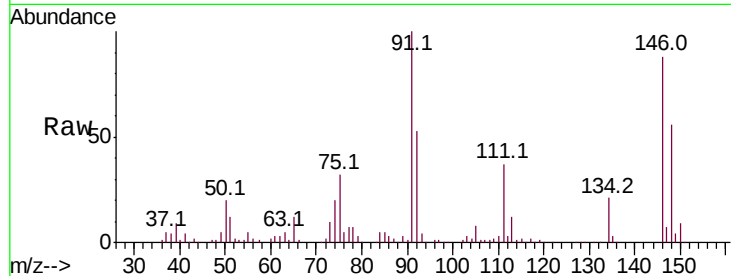




#91
 1,2-Dichlorobenzene
 Concen: 50.199 ug/l
 RT: 11.88 min Scan# 3329
 Delta R.T. -0.00 min
 Lab File: VU028680.D
 Acq: 14 Dec 2018 13:49

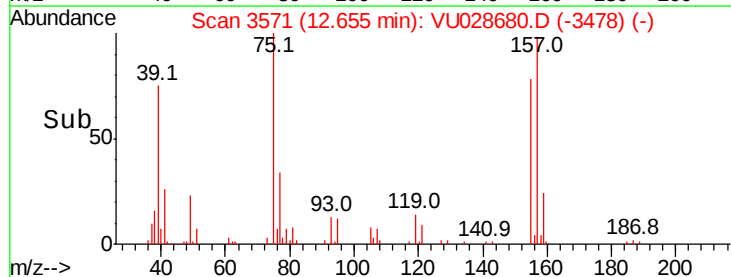
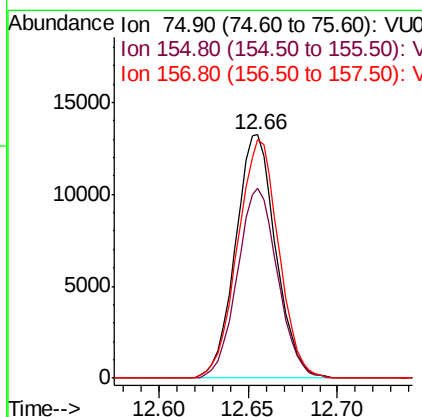
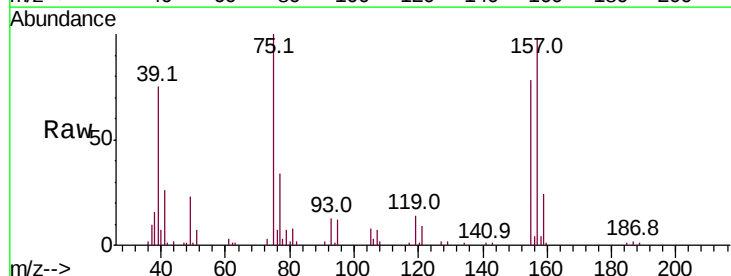
Instrument :
 MSVOA_U
 ClientSampled :

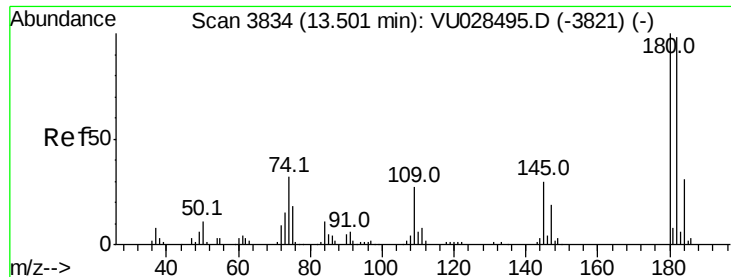
Tot Ion	Ratio	Lower	Upper
146	100		
111	42.1	21.1	63.4
148	63.3	31.4	94.2



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 53.447 ug/l
 RT: 12.66 min Scan# 3571
 Delta R.T. -0.00 min
 Lab File: VU028680.D
 Acq: 14 Dec 2018 13:49

Tgt Ion	Ratio	Lower	Upper
75	100		
155	78.2	38.1	114.5
157	100.2	48.7	146.1

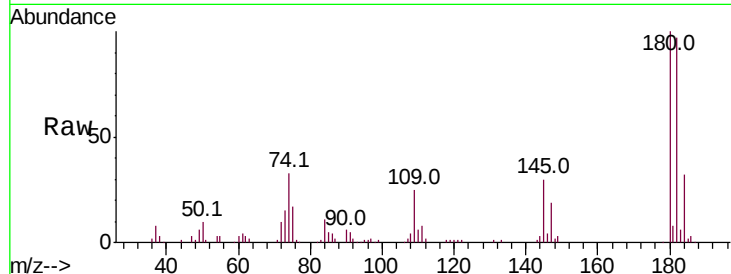




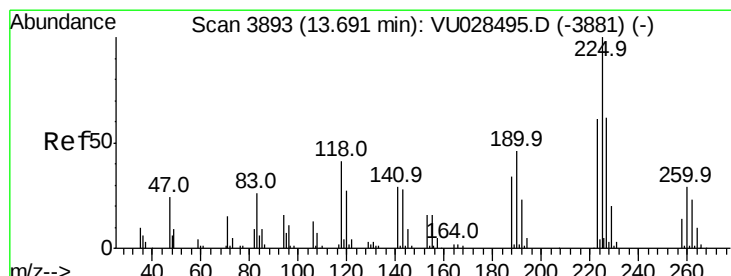
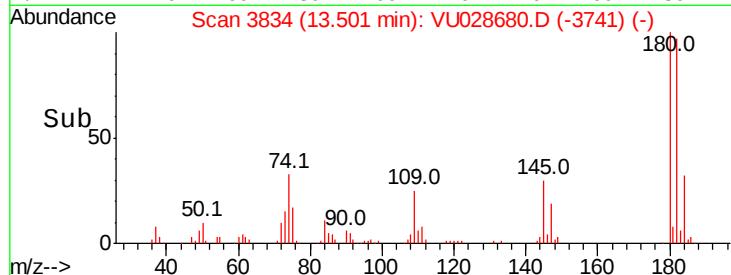
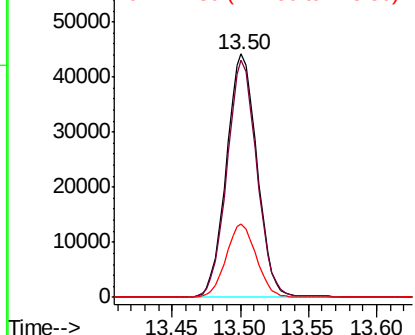
#93
 1,2,4-Trichlorobenzene
 Concen: 48.615 ug/l
 RT: 13.50 min Scan# 3834
 Delta R.T. -0.00 min
 Lab File: VU028680.D
 Acq: 14 Dec 2018 13:49

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion:180 Resp: 69170
 Ion Ratio Lower Upper
 180 100
 182 95.4 47.9 143.8
 145 29.8 15.0 45.1

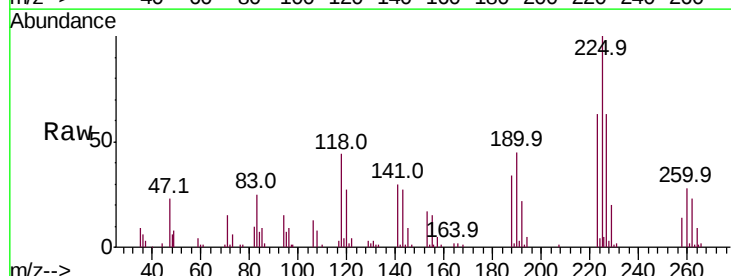


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

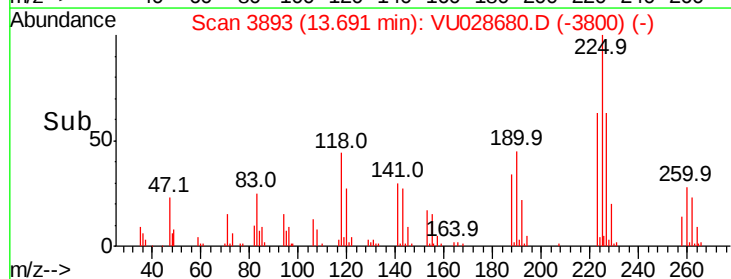
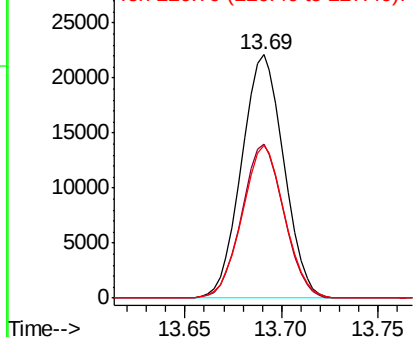


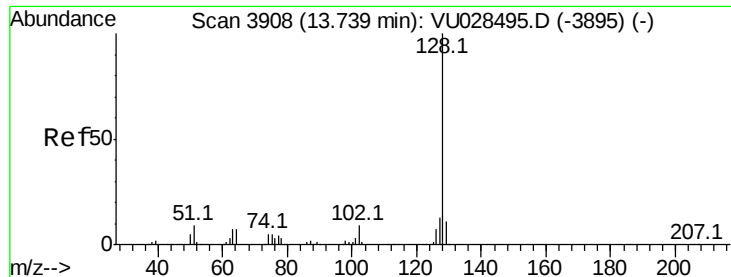
#94
 Hexachlorobutadiene
 Concen: 49.534 ug/l
 RT: 13.69 min Scan# 3893
 Delta R.T. -0.00 min
 Lab File: VU028680.D
 Acq: 14 Dec 2018 13:49

Tgt Ion:225 Resp: 33613
 Ion Ratio Lower Upper
 225 100
 223 62.8 30.4 91.2
 227 62.7 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

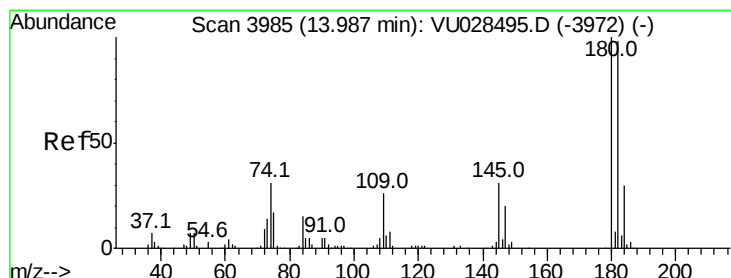
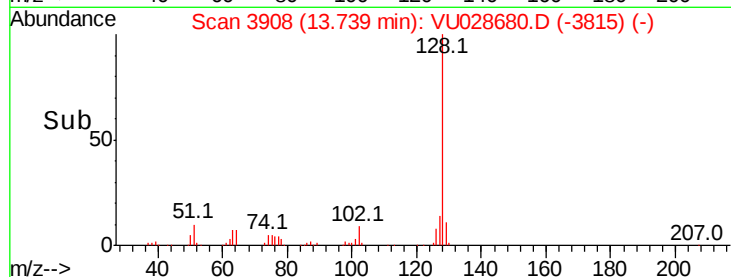
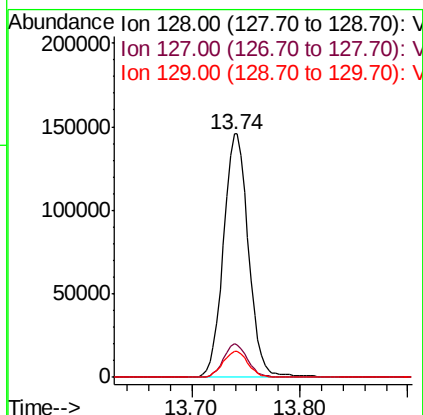
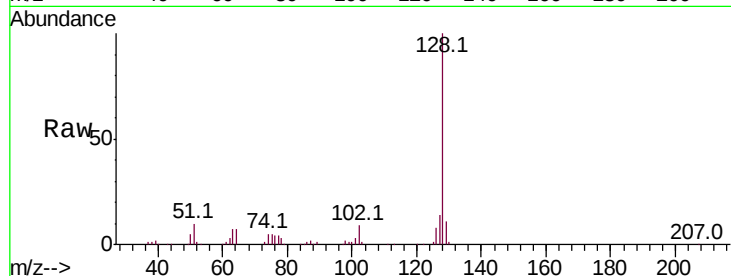




#95
Naphthalene
Concen: 47.468 ug/l
RT: 13.74 min Scan# 3908
Delta R.T. -0.00 min
Lab File: VU028680.D
Acq: 14 Dec 2018 13:49

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion:128 Resp: 235964
Ion Ratio Lower Upper
128 100
127 13.2 10.4 15.6
129 10.7 8.6 13.0



#96
1,2,3-Trichlorobenzene
Concen: 49.316 ug/l
RT: 13.99 min Scan# 3985
Delta R.T. 0.00 min
Lab File: VU028680.D
Acq: 14 Dec 2018 13:49

Tgt Ion:180 Resp: 69866
Ion Ratio Lower Upper
180 100
182 97.1 48.2 144.6
145 31.6 15.8 47.3

