

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U121518\
 Data File : VU028682.D
 Acq On : 14 Dec 2018 14:50
 Operator : MD/SY
 Sample : VU1215WBS01
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Dec 15 00:21:09 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	60372	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.88	114	101073	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	94469	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	44026	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.31	65	29319	31.82	ug/l	0.00
Spiked Amount	50.000		Recovery	=	63.64%	
35) Dibromofluoromethane	4.88	113	20804	32.71	ug/l	0.00
Spiked Amount	50.000		Recovery	=	65.42%	
50) Toluene-d8	7.56	98	78951	31.38	ug/l	0.00
Spiked Amount	50.000		Recovery	=	62.76%	
62) 4-Bromofluorobenzene	10.30	95	27465	29.20	ug/l	0.00
Spiked Amount	50.000		Recovery	=	58.40%	

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.21	85	8523	10.533	ug/l 96
3) Chloromethane	1.33	50	15295	10.281	ug/l 100
4) Vinyl Chloride	1.40	62	11019	10.263	ug/l 100
5) Bromomethane	1.61	94	4733	10.944	ug/l 98
6) Chloroethane	1.69	64	6778	11.152	ug/l 99
7) Trichlorofluoromethane	1.88	101	12468	11.038	ug/l 100
8) Diethyl Ether	2.10	74	5638	10.668	ug/l 96
9) 1,1,2-Trichlorotrifluoroet	2.28	101	7391	10.940	ug/l 97
10) Methyl Iodide	2.41	142	7518	14.183	ug/l 97
11) Tert butyl alcohol	2.82	59	12348	60.156	ug/l 95
12) 1,1-Dichloroethene	2.28	96	7155	10.645	ug/l 95
13) Acrolein	2.19	56	15606	95.370	ug/l 98
14) Allyl chloride	2.59	41	19359	12.174	ug/l 90
15) Acrylonitrile	2.94	53	32858	57.658	ug/l 97
16) Acetone	2.32	43	36233	60.268	ug/l 98
17) Carbon Disulfide	2.48	76	24642	10.176	ug/l 100
18) Methyl Acetate	2.61	43	20551	13.187	ug/l 95
19) Methyl tert-butyl Ether	3.00	73	28372	11.134	ug/l 98
20) Methylene Chloride	2.70	84	9499	10.718	ug/l 95
21) trans-1,2-Dichloroethene	2.98	96	7989	10.556	ug/l 92
22) Diisopropyl ether	3.57	45	34634	11.200	ug/l 91
23) Vinyl Acetate	3.52	43	138959	54.480	ug/l 99
24) 1,1-Dichloroethane	3.44	63	17751	10.966	ug/l 98
25) 2-Butanone	4.26	43	47349	57.630	ug/l 97
26) 2,2-Dichloropropane	4.22	77	14443	11.261	ug/l 96
27) cis-1,2-Dichloroethene	4.22	96	9229	10.774	ug/l 97
28) Bromochloromethane	4.55	49	7611	10.343	ug/l # 98
29) Tetrahydrofuran	4.64	42	29781	56.439	ug/l 98
30) Chloroform	4.67	83	16280	11.540	ug/l 90
31) Cyclohexane	4.99	56	17629	10.208	ug/l 94
32) 1,1,1-Trichloroethane	4.91	97	13340	11.385	ug/l 97
36) 1,1-Dichloropropene	5.13	75	11749	10.623	ug/l 98
37) Ethyl Acetate	4.38	43	16138	11.287	ug/l 98
38) Carbon Tetrachloride	5.13	117	10431	11.701	ug/l 94

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U121518\
 Data File : VU028682.D
 Acq On : 14 Dec 2018 14:50
 Operator : MD/SY
 Sample : VU1215WBS01
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Dec 15 00:21:09 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	13985	10.364	ug/l	98
40) Benzene	5.39	78	38474	11.811	ug/l	94
41) Methacrylonitrile	4.54	41	9067	11.580	ug/l	98
42) 1,2-Dichloroethane	5.40	62	14124	12.387	ug/l	97
43) Isopropyl Acetate	5.55	43	26607	11.765	ug/l	97
44) Trichloroethene	6.19	130	8305	11.466	ug/l	99
45) 1,2-Dichloropropane	6.43	63	10838	11.831	ug/l	92
46) Dibromomethane	6.56	93	6486	11.934	ug/l	99
47) Bromodichloromethane	6.76	83	12661	11.971	ug/l	95
48) Methyl methacrylate	6.62	41	13021	11.578	ug/l	96
49) 1,4-Dioxane	6.61	88	4133	232.746	ug/l	96
51) 4-Methyl-2-Pentanone	7.46	43	83661	58.655	ug/l	98
52) Toluene	7.64	92	21197	11.057	ug/l	96
53) t-1,3-Dichloropropene	7.88	75	14322	11.370	ug/l	97
54) cis-1,3-Dichloropropene	7.27	75	15169	11.100	ug/l	99
55) 1,1,2-Trichloroethane	8.07	97	9108	12.019	ug/l	98
56) Ethyl methacrylate	8.02	69	13870	10.688	ug/l	97
57) 1,3-Dichloropropane	8.24	76	16308	11.593	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.13	63	33644	50.615	ug/l	98
59) 2-Hexanone	8.36	43	65289	57.751	ug/l	98
60) Dibromochloromethane	8.48	129	8549	11.522	ug/l	99
61) 1,2-Dibromoethane	8.58	107	9551	12.018	ug/l	97
64) Tetrachloroethene	8.22	164	6633	10.526	ug/l	93
65) Chlorobenzene	9.12	112	22110	10.983	ug/l	98
66) 1,1,1,2-Tetrachloroethane	9.21	131	7907	12.300	ug/l	96
67) Ethyl Benzene	9.25	91	39574	10.694	ug/l	97
68) m/p-Xylenes	9.37	106	28280	21.002	ug/l	94
69) o-Xylene	9.78	106	13936	10.650	ug/l	98
70) Styrene	9.79	104	22296	10.296	ug/l	98
71) Bromoform	9.96	173	6483	11.855	ug/l #	97
73) Isopropylbenzene	10.17	105	36392	10.772	ug/l	99
74) N-amyl acetate	10.01	43	21896	11.236	ug/l	98
75) 1,1,2,2-Tetrachloroethane	10.46	83	16348	12.597	ug/l	100
76) 1,2,3-Trichloropropane	10.49	75	19120	17.007	ug/l	85
77) Bromobenzene	10.45	156	9340	11.821	ug/l	98
78) n-propylbenzene	10.58	91	45123	10.749	ug/l	99
79) 2-Chlorotoluene	10.66	91	27912	11.543	ug/l	99
80) 1,3,5-Trimethylbenzene	10.77	105	30880	11.043	ug/l	100
81) trans-1,4-Dichloro-2-buten	10.49	75	19120	41.902	ug/l #	100
82) 4-Chlorotoluene	10.77	91	31541	11.007	ug/l	98
83) tert-Butylbenzene	11.10	119	30409	11.282	ug/l	98
84) 1,2,4-Trimethylbenzene	11.15	105	31652	10.983	ug/l	99
85) sec-Butylbenzene	11.32	105	38002	10.975	ug/l	99
86) p-Isopropyltoluene	11.48	119	31662	10.764	ug/l	99
87) 1,3-Dichlorobenzene	11.42	146	16397	10.991	ug/l	99
88) 1,4-Dichlorobenzene	11.51	146	16347	10.591	ug/l	95
89) n-Butylbenzene	11.89	91	29454	9.894	ug/l	99
90) Hexachloroethane	12.14	117	5604	12.605	ug/l	95
91) 1,2-Dichlorobenzene	11.88	146	16748	11.223	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	12.66	75	3427	12.198	ug/l	97

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA U\DATA\VU121518\
Data File : VU028682.D
Acq On : 14 Dec 2018 14:50
Operator : MD/SY
Sample : VU1215WBS01
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :

Quant Time: Dec 15 00:21:09 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_U\METHOD\82U120618W.M
Quant Title : SW846 8260
QLast Update : Fri Dec 07 00:39:42 2018
Response via : Initial Calibration

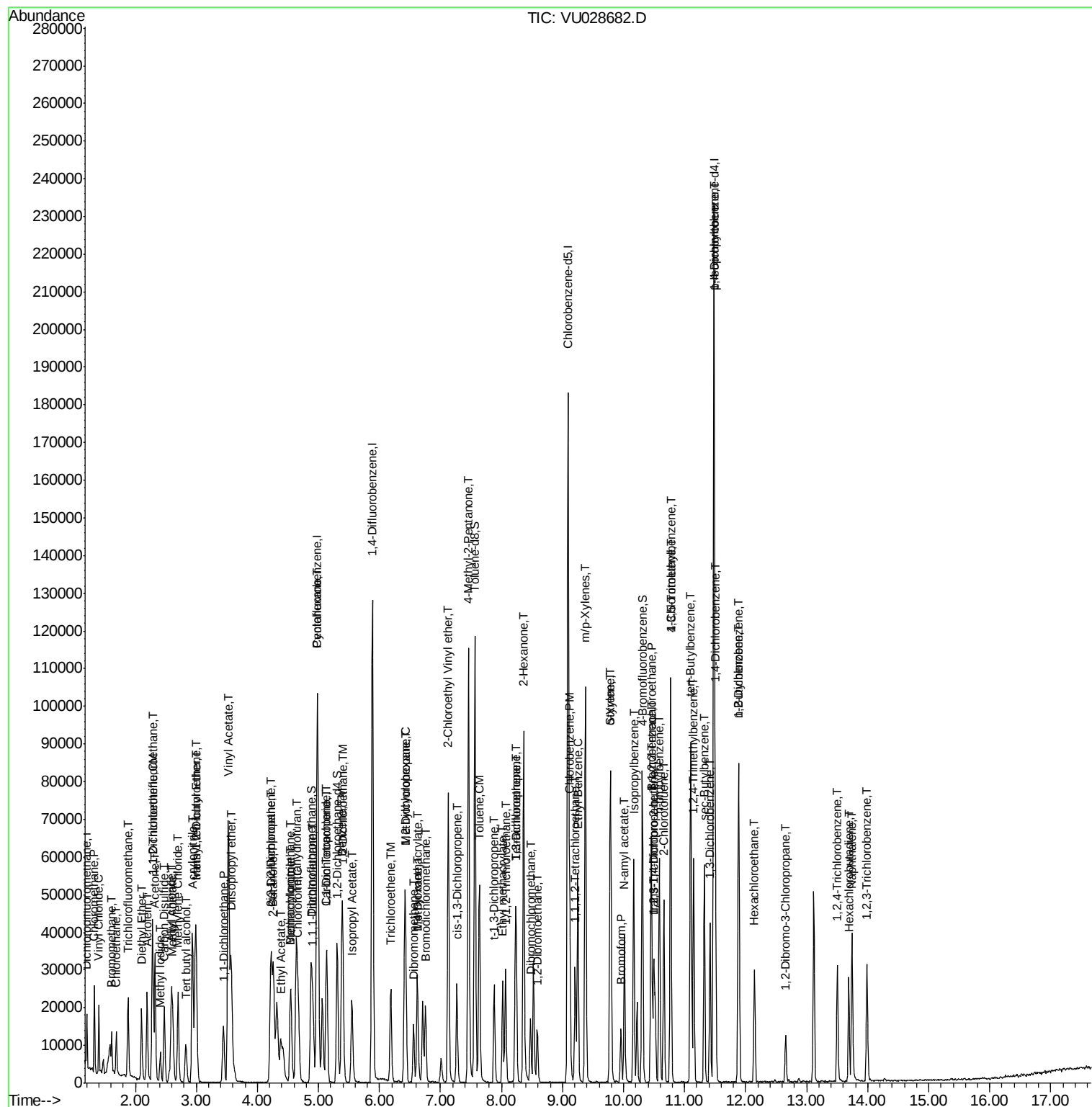
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.50	180	9741	10.182	ug/l	99
94) Hexachlorobutadiene	13.69	225	5268	10.777	ug/l	96
95) Naphthalene	13.74	128	33300	9.299	ug/l	100
96) 1,2,3-Trichlorobenzene	13.99	180	10071	9.985	ug/l	95

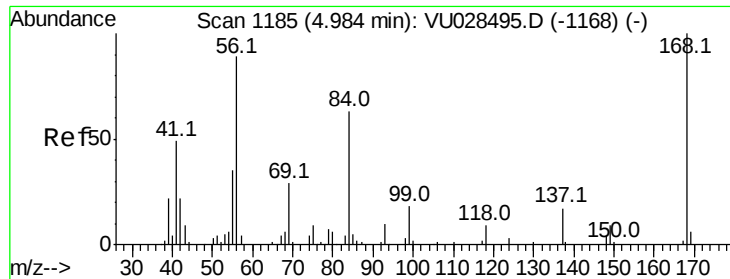
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA U\DATA\VU121518\
Data File : VU028682.D
Acq On : 14 Dec 2018 14:50
Operator : MD/SY
Sample : VU1215WBS01
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :

Quant Time: Dec 15 00:21:09 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_U\METHOD\82U120618W.M
Quant Title : SW846 8260
QLast Update : Fri Dec 07 00:39:42 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.98 min Scan# 1184

Delta R.T. -0.00 min

Lab File: VU028682.D

Acq: 14 Dec 2018 14:50

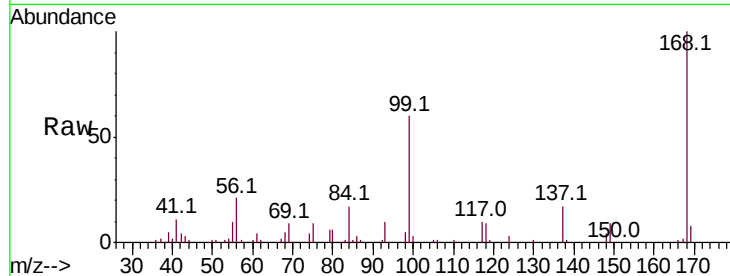
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion:168 Resp: 60372

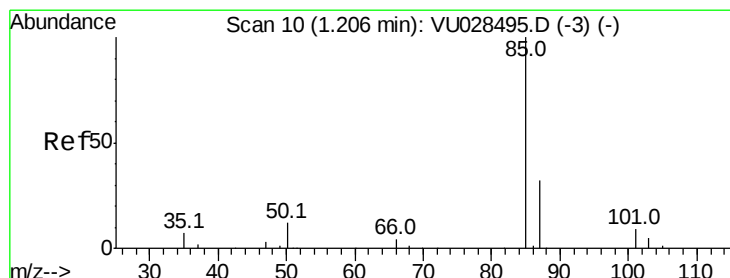
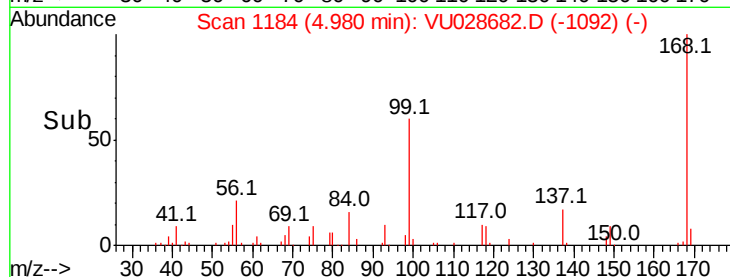
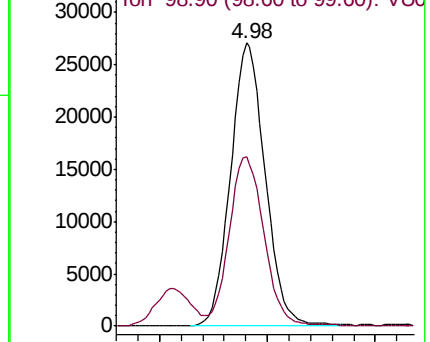
Ion Ratio Lower Upper

168 100

99 59.4 46.6 69.8



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



#2

Dichlorodifluoromethane

Concen: 10.533 ug/l

RT: 1.21 min Scan# 10

Delta R.T. -0.00 min

Lab File: VU028682.D

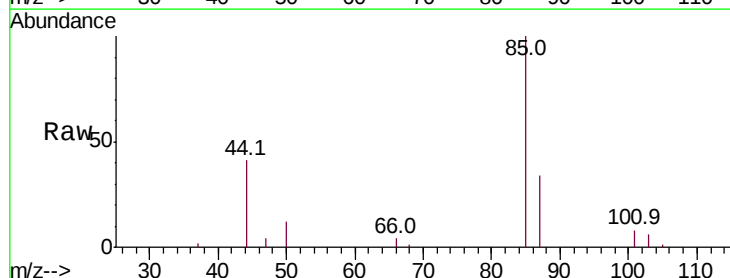
Acq: 14 Dec 2018 14:50

Tgt Ion: 85 Resp: 8523

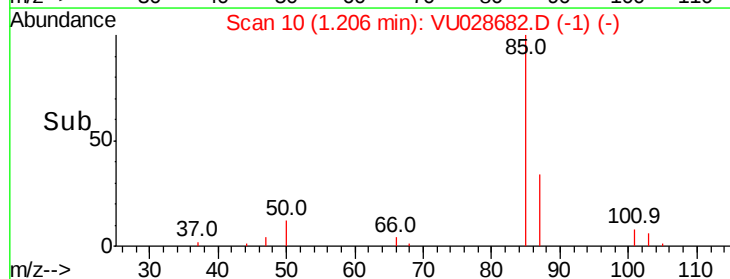
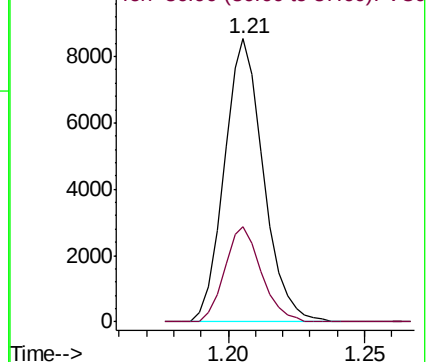
Ion Ratio Lower Upper

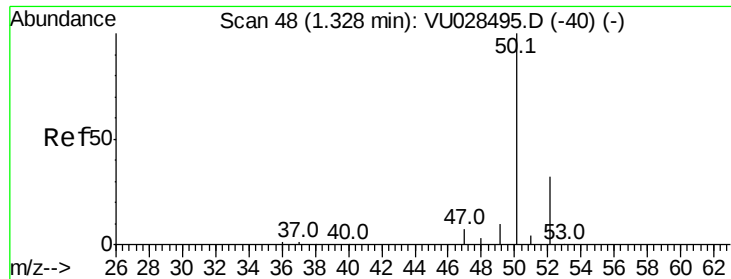
85 100

87 33.8 15.9 47.6



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





#3

Chloromethane

Concen: 10.281 ug/l

RT: 1.33 min Scan# 48

Delta R.T. -0.00 min

Lab File: VU028682.D

Acq: 14 Dec 2018 14:50

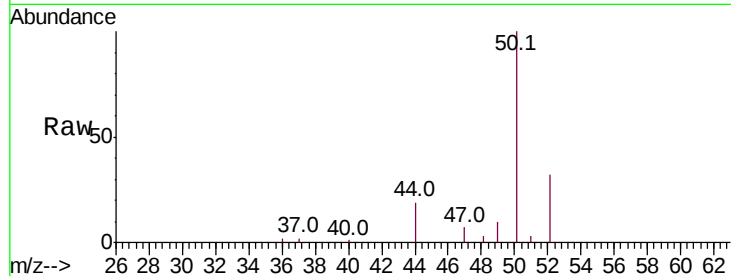
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 50 Resp: 15295

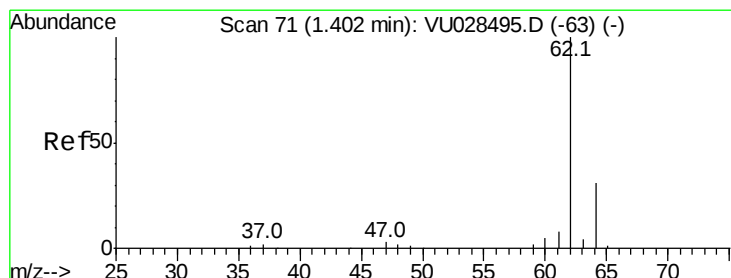
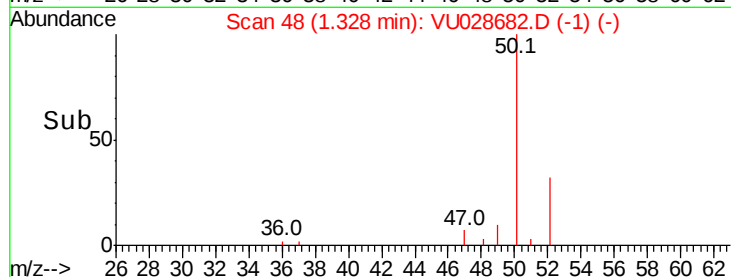
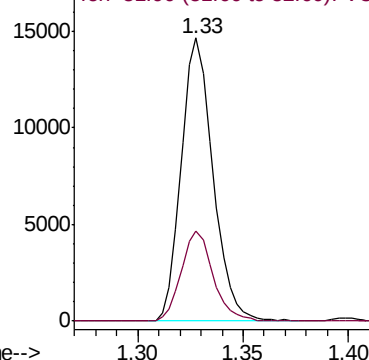
Ion Ratio Lower Upper

50 100

52 31.8 25.5 38.3



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



#4

Vinyl Chloride

Concen: 10.263 ug/l

RT: 1.40 min Scan# 71

Delta R.T. -0.00 min

Lab File: VU028682.D

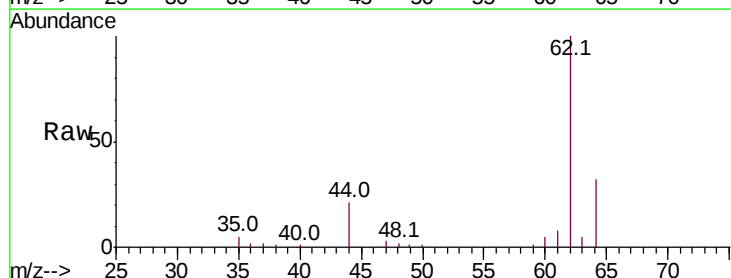
Acq: 14 Dec 2018 14:50

Tgt Ion: 62 Resp: 11019

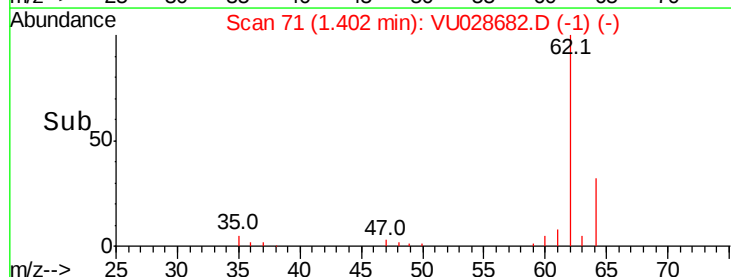
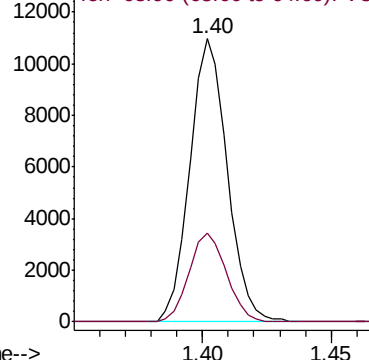
Ion Ratio Lower Upper

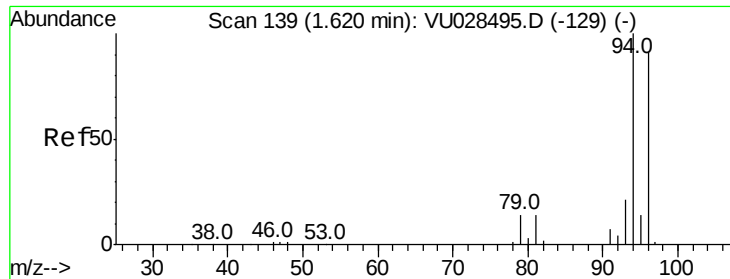
62 100

64 31.6 25.1 37.7



Abundance Ion 61.90 (61.60 to 62.60): VU0
Ion 63.90 (63.60 to 64.60): VU0





#5

Bromomethane

Concen: 10.944 ug/l

RT: 1.61 min Scan# 136

Delta R.T. -0.01 min

Lab File: VU028682.D

Acq: 14 Dec 2018 14:50

Instrument :

MSVOA_U

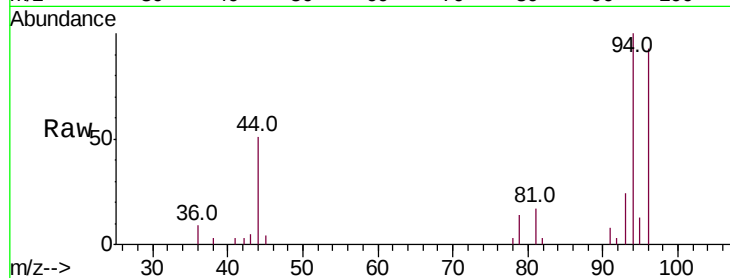
ClientSampleId :

Tot Ion: 94 Resp: 4733

Ion Ratio Lower Upper

94 100

96 93.1 73.2 109.8



Abundance Ion 93.90 (93.60 to 94.60): VU0

Ion 95.90 (95.60 to 96.60): VU0

1.61

4000

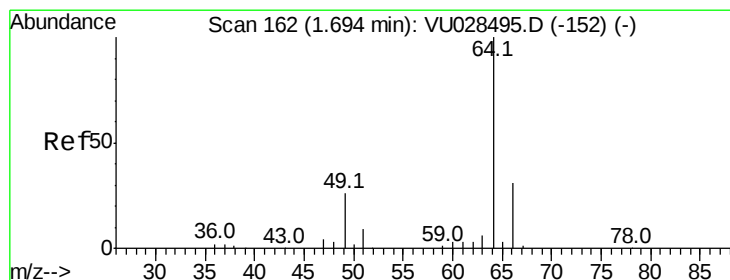
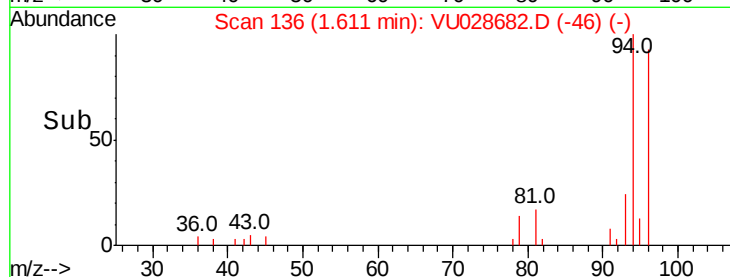
3000

2000

1000

0

Time--> 1.55 1.60 1.65



#6

Chloroethane

Concen: 11.152 ug/l

RT: 1.69 min Scan# 160

Delta R.T. -0.01 min

Lab File: VU028682.D

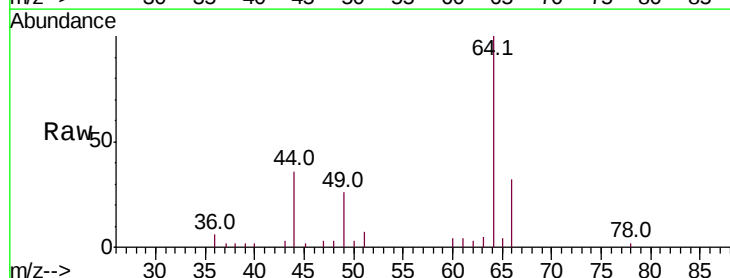
Acq: 14 Dec 2018 14:50

Tgt Ion: 64 Resp: 6778

Ion Ratio Lower Upper

64 100

66 32.1 25.0 37.6



Abundance Ion 63.90 (63.60 to 64.60): VU0

Ion 65.90 (65.60 to 66.60): VU0

1.69

6000

5000

4000

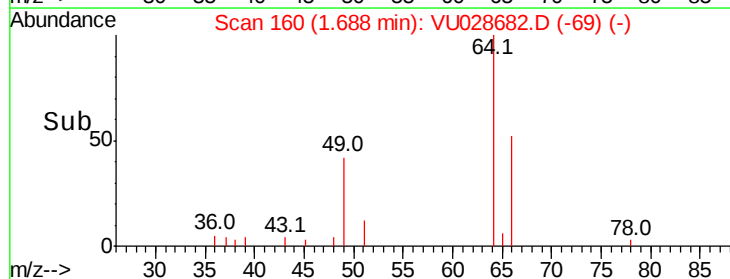
3000

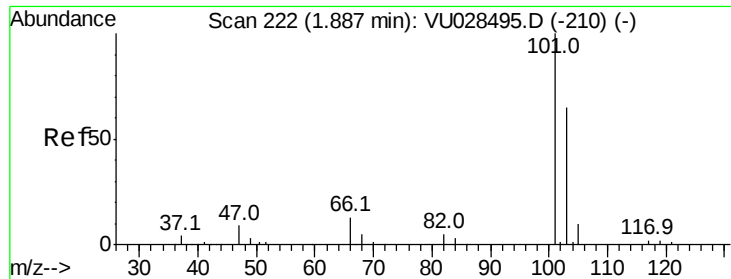
2000

1000

0

Time--> 1.65 1.70 1.75



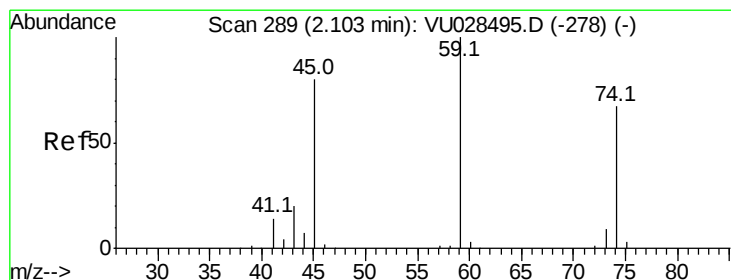
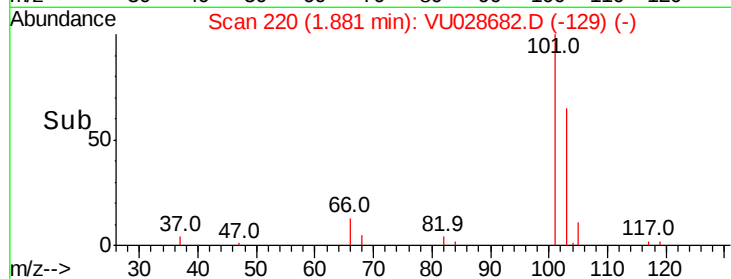
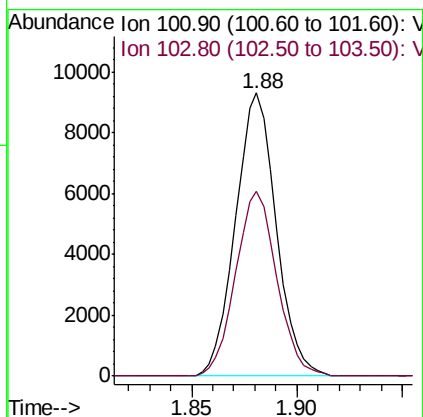
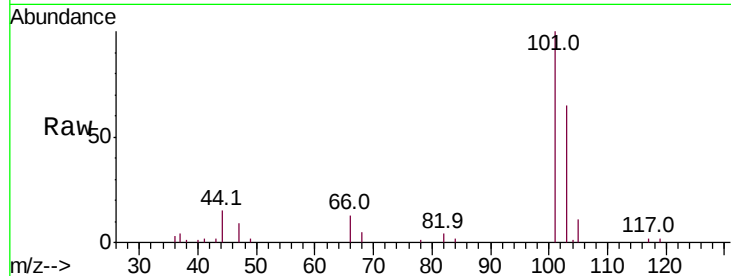


#7

Trichlorofluoromethane
 Concen: 11.038 ug/l
 RT: 1.88 min Scan# 220
 Delta R.T. -0.01 min
 Lab File: VU028682.D
 Acq: 14 Dec 2018 14:50

Instrument :
 MSVOA_U
 ClientSampleId :

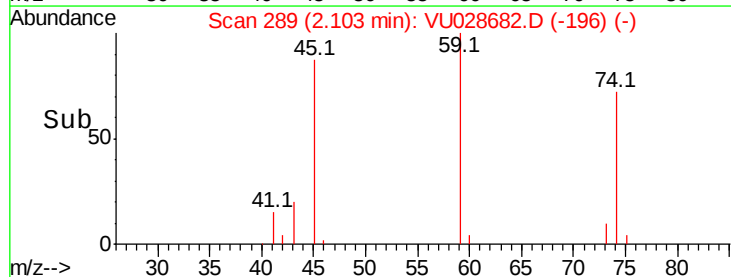
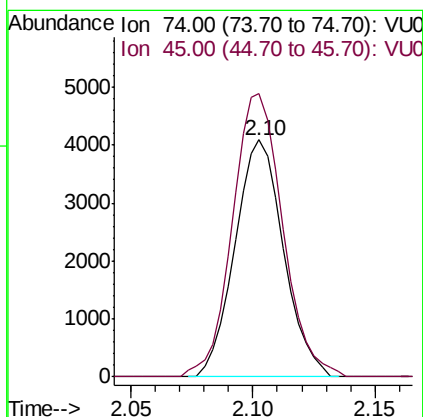
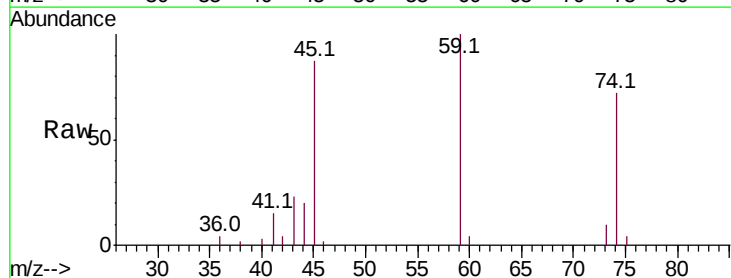
Tot Ion:101 Resp: 12468
 Ion Ratio Lower Upper
 101 100
 103 65.3 52.3 78.5

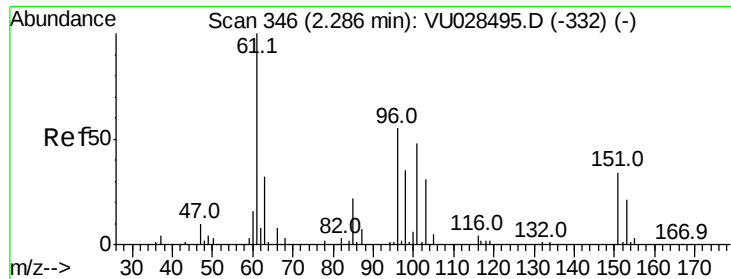


#8

Diethyl Ether
 Concen: 10.668 ug/l
 RT: 2.10 min Scan# 289
 Delta R.T. -0.00 min
 Lab File: VU028682.D
 Acq: 14 Dec 2018 14:50

Tgt Ion: 74 Resp: 5638
 Ion Ratio Lower Upper
 74 100
 45 123.8 59.7 179.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 10.940 ug/l

RT: 2.28 min Scan# 345

Delta R.T. -0.00 min

Lab File: VU028682.D

Acq: 14 Dec 2018 14:50

Instrument :

MSVOA_U

ClientSampleId :

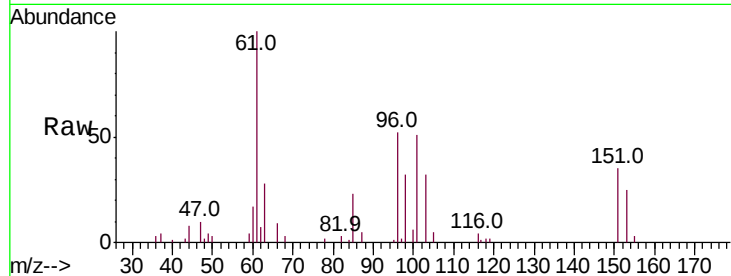
Tot Ion:101 Resp: 7391

Ion Ratio Lower Upper

101 100

85 47.0 36.4 54.6

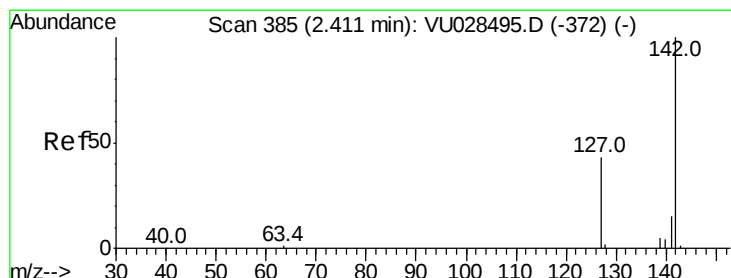
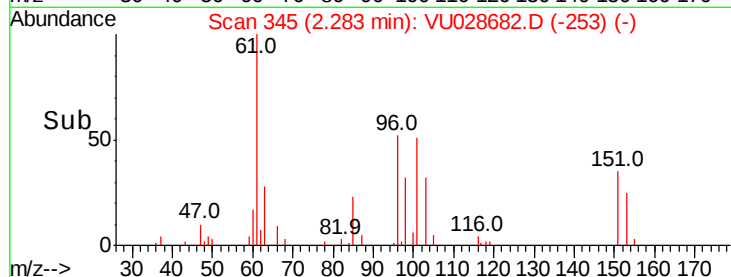
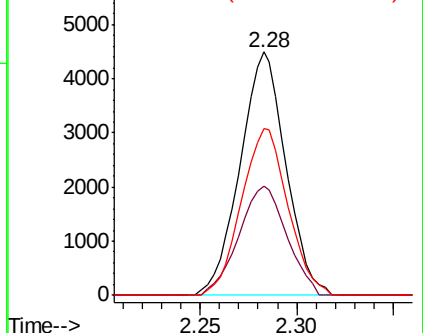
151 69.7 58.2 87.2



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VU0

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 14.183 ug/l

RT: 2.41 min Scan# 384

Delta R.T. -0.00 min

Lab File: VU028682.D

Acq: 14 Dec 2018 14:50

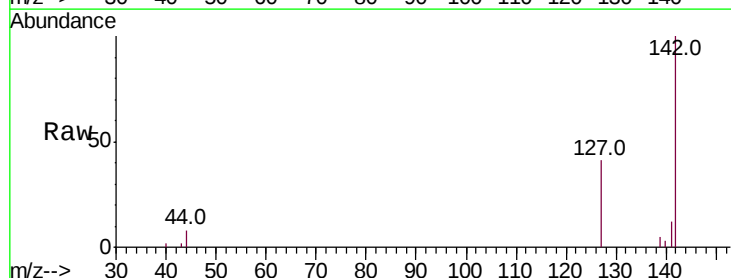
Tgt Ion:142 Resp: 7518

Ion Ratio Lower Upper

142 100

127 40.1 33.5 50.3

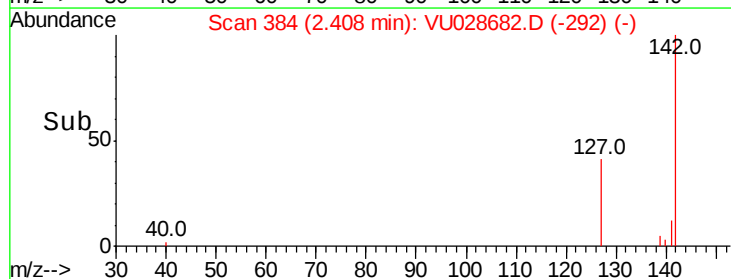
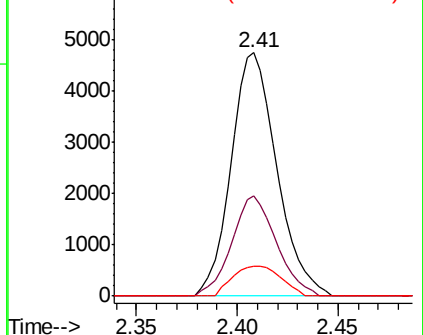
141 13.1 11.2 16.8

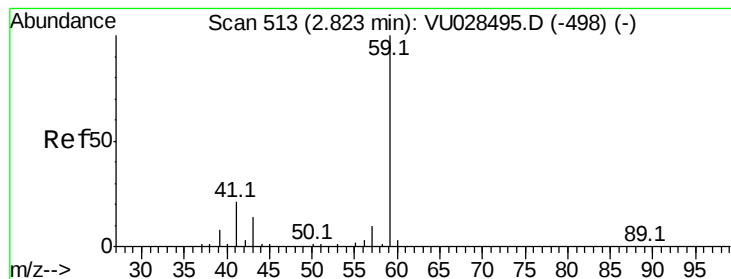


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#11

Tert butyl alcohol

Concen: 60.156 ug/l

RT: 2.82 min Scan# 513

Delta R.T. -0.00 min

Lab File: VU028682.D

Acq: 14 Dec 2018 14:50

Instrument :

MSVOA_U

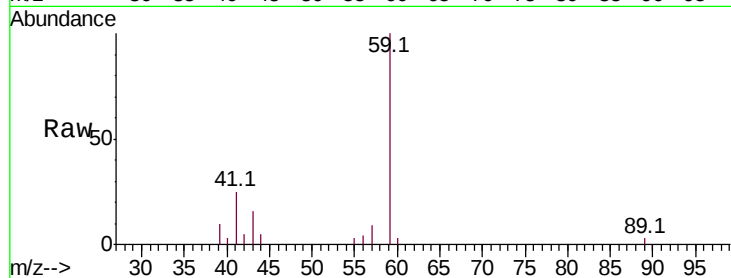
ClientSampled :

Tot Ion: 59 Resp: 12348

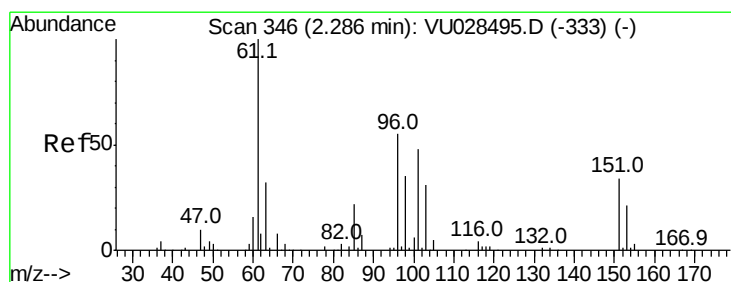
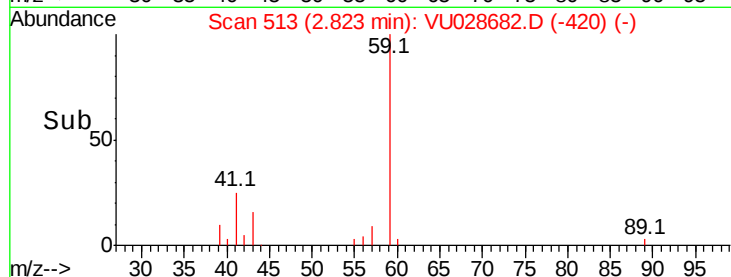
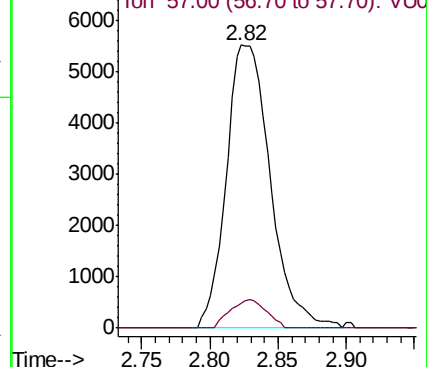
Ion Ratio Lower Upper

59 100

57 8.2 8.0 12.0



Abundance Ion 59.00 (58.70 to 59.70): VU028495.D (-498) (-)



#12

1,1-Dichloroethene

Concen: 10.645 ug/l

RT: 2.28 min Scan# 344

Delta R.T. -0.01 min

Lab File: VU028682.D

Acq: 14 Dec 2018 14:50

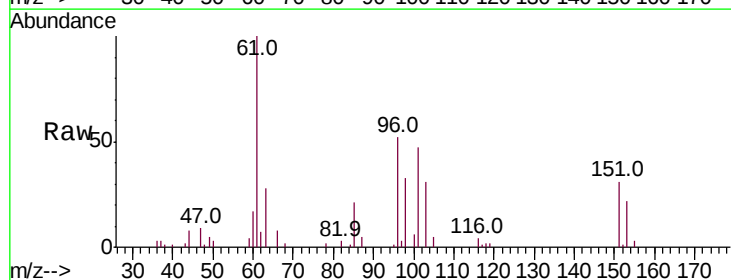
Tgt Ion: 96 Resp: 7155

Ion Ratio Lower Upper

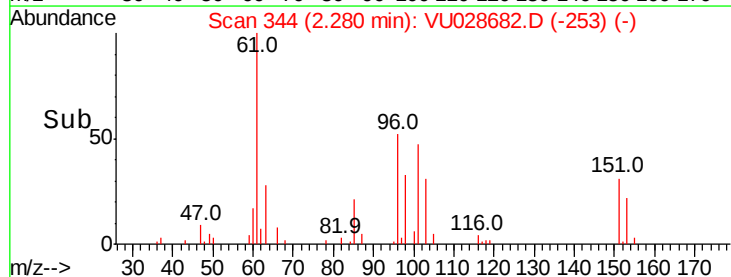
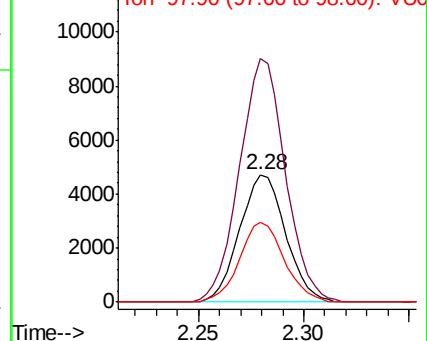
96 100

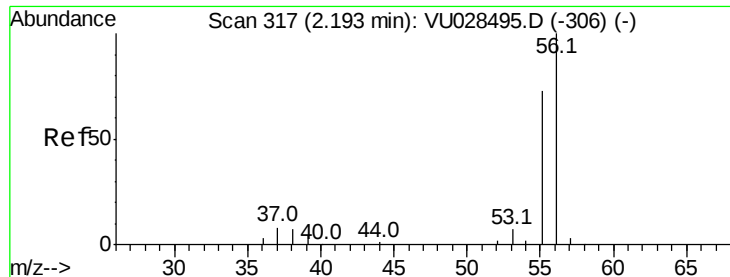
61 190.9 146.4 219.6

98 63.0 51.8 77.8



Abundance Ion 95.90 (95.60 to 96.60): VU028495.D (-333) (-)





#13

Acrolein

Concen: 95.370 ug/l

RT: 2.19 min Scan# 317

Delta R.T. -0.00 min

Lab File: VU028682.D

Acq: 14 Dec 2018 14:50

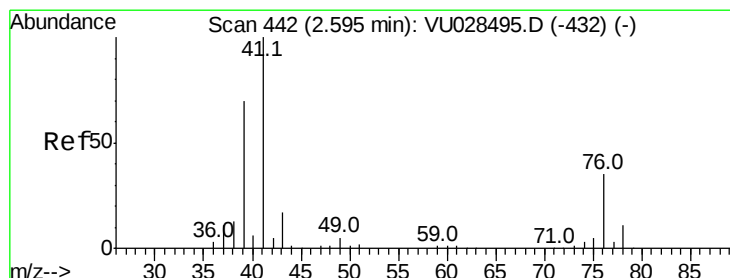
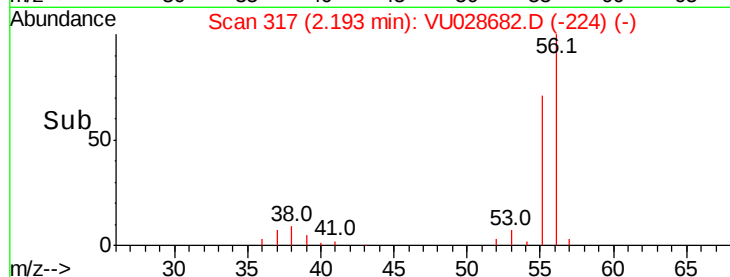
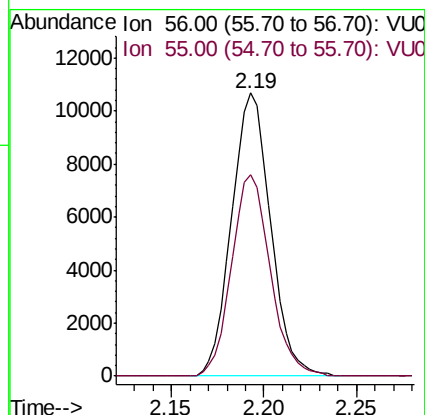
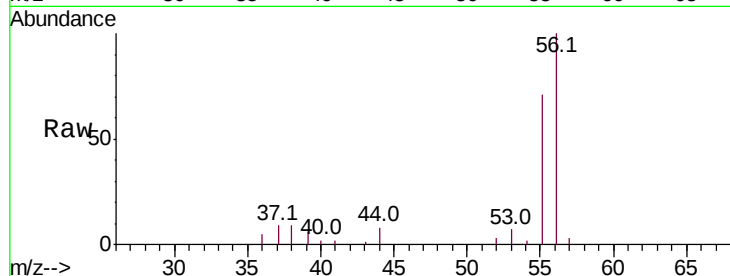
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 56 Resp: 15606

Ion Ratio Lower Upper

56 100

55 70.6 57.5 86.3



#14

Allyl chloride

Concen: 12.174 ug/l

RT: 2.59 min Scan# 440

Delta R.T. -0.01 min

Lab File: VU028682.D

Acq: 14 Dec 2018 14:50

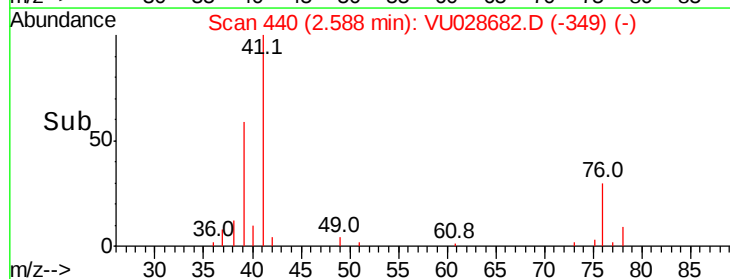
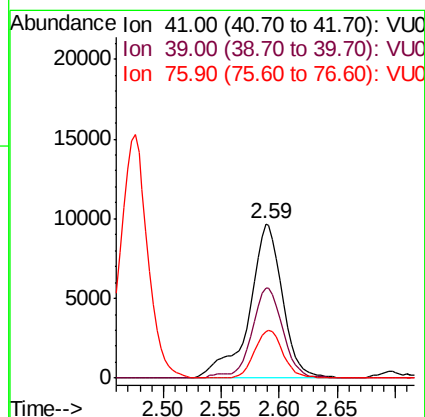
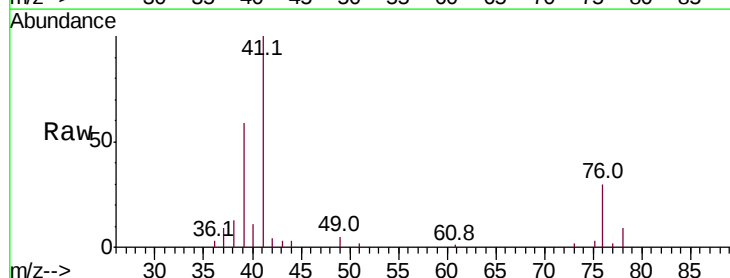
Tgt Ion: 41 Resp: 19359

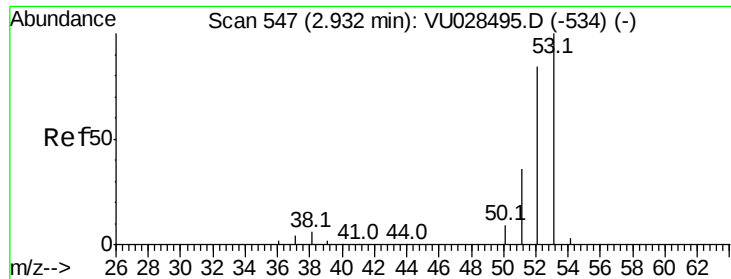
Ion Ratio Lower Upper

41 100

39 54.5 50.8 76.2

76 26.6 24.8 37.2



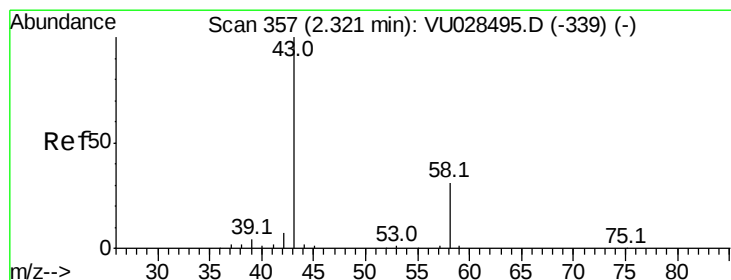
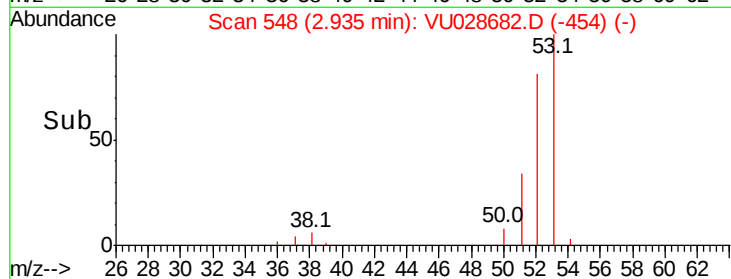
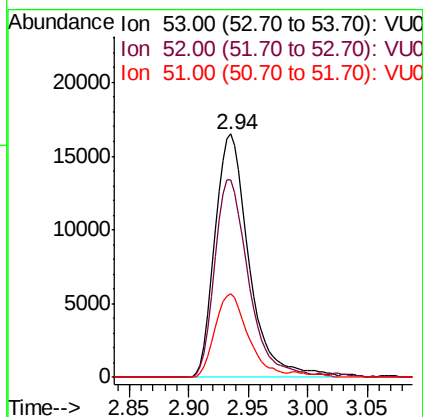
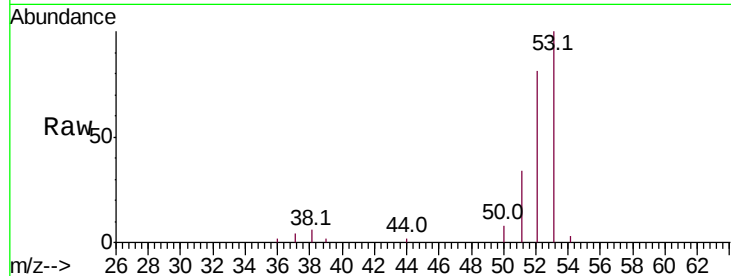


#15
 Acrylonitrile
 Concen: 57.658 ug/l
 RT: 2.94 min Scan# 548
 Delta R.T. 0.00 min
 Lab File: VU028682.D
 Acq: 14 Dec 2018 14:50

Instrument :
 MSVOA_U
 ClientSampled :

Tot Ion: 53 Resp: 32858

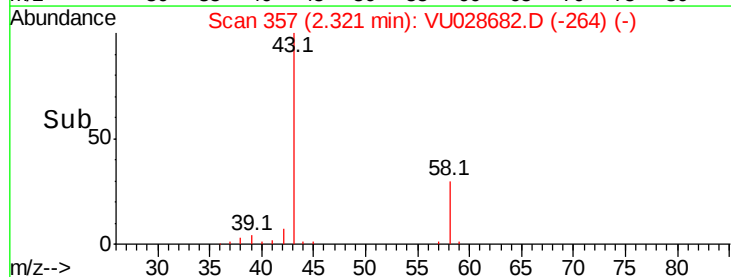
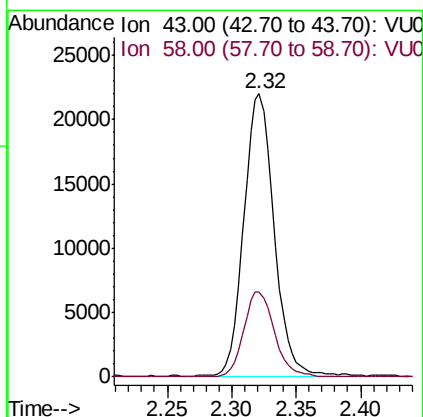
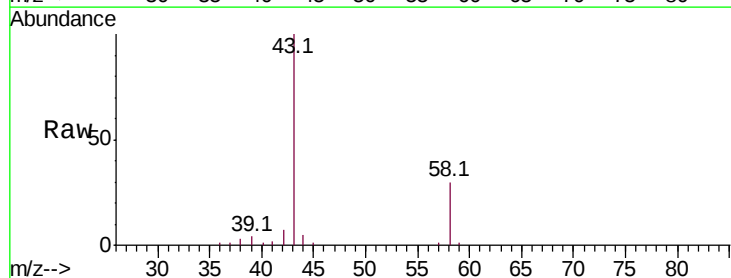
Ion	Ratio	Lower	Upper
53	100		
52	80.5	66.1	99.1
51	33.3	28.1	42.1

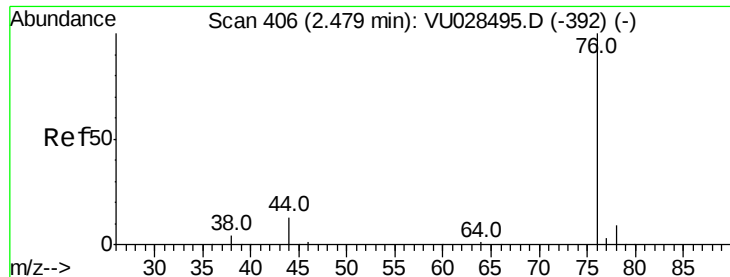


#16
 Acetone
 Concen: 60.268 ug/l
 RT: 2.32 min Scan# 357
 Delta R.T. -0.00 min
 Lab File: VU028682.D
 Acq: 14 Dec 2018 14:50

Tgt Ion: 43 Resp: 36233

Ion	Ratio	Lower	Upper
43	100		
58	29.9	24.6	37.0

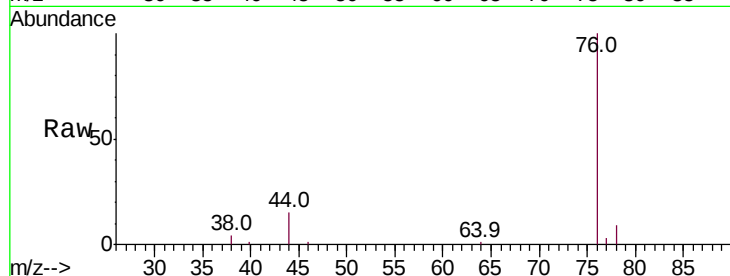




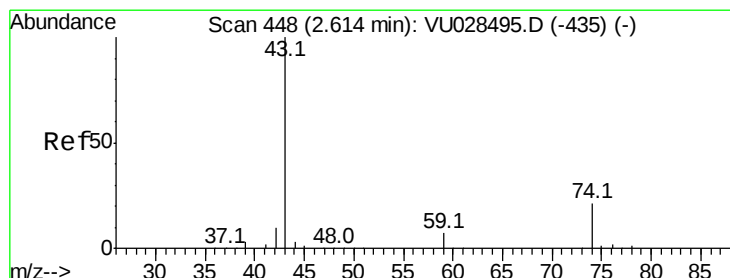
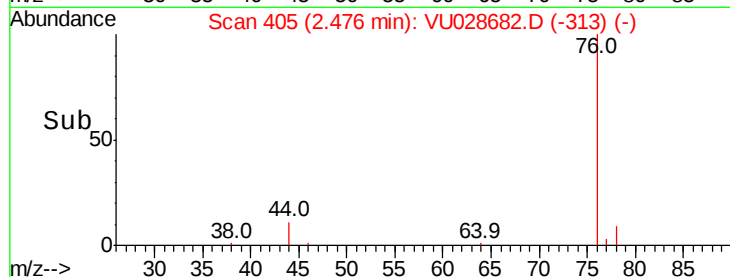
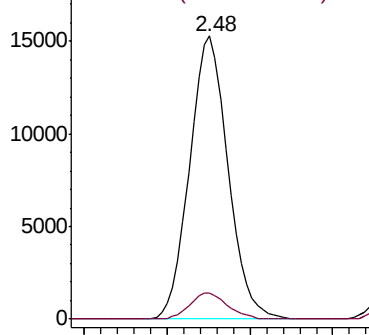
#17
Carbon Disulfide
Concen: 10.176 ug/l
RT: 2.48 min Scan# 405
Delta R.T. -0.00 min
Lab File: VU028682.D
Acq: 14 Dec 2018 14:50

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 76 Resp: 24642
Ion Ratio Lower Upper
76 100
78 9.1 7.2 10.8

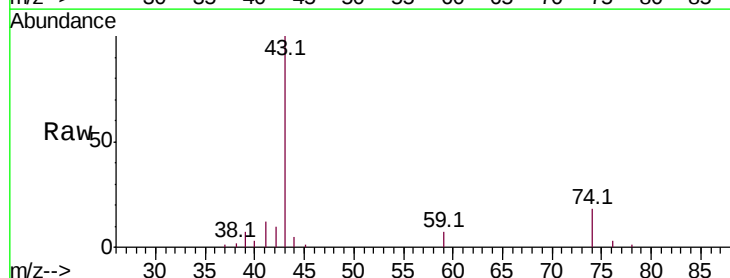


Abundance Ion 75.90 (75.60 to 76.60): VU0
Ion 77.90 (77.60 to 78.60): VU0

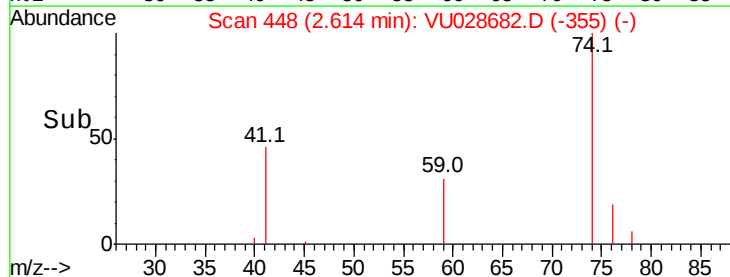
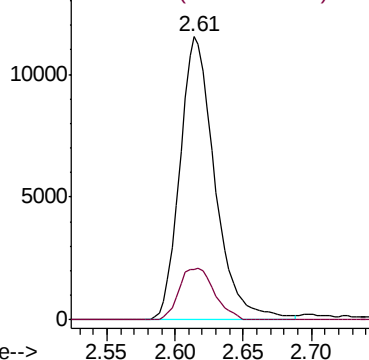


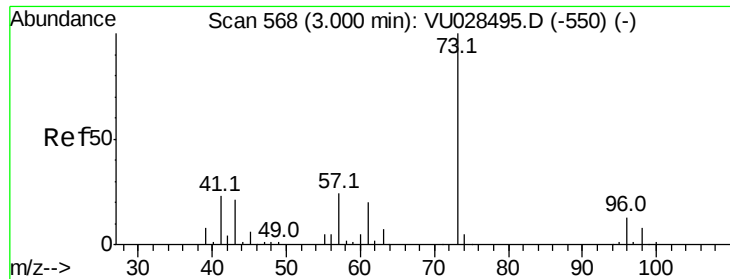
#18
Methyl Acetate
Concen: 13.187 ug/l
RT: 2.61 min Scan# 448
Delta R.T. -0.00 min
Lab File: VU028682.D
Acq: 14 Dec 2018 14:50

Tgt Ion: 43 Resp: 20551
Ion Ratio Lower Upper
43 100
74 18.3 16.4 24.6



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

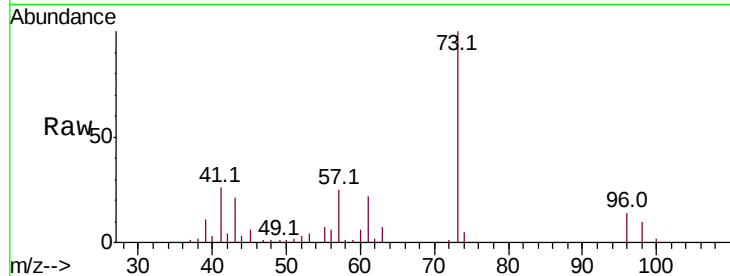




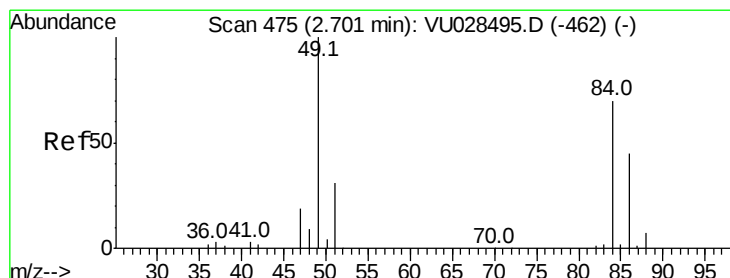
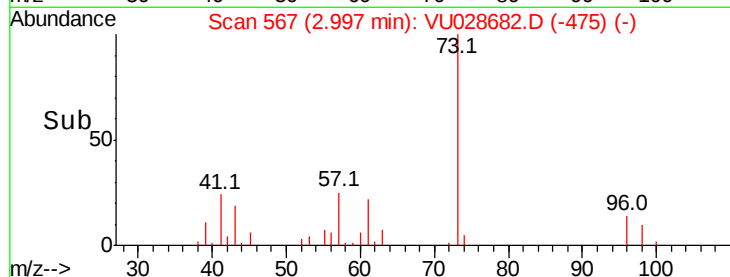
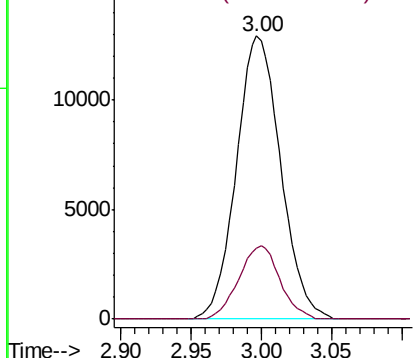
#19
Methyl tert-butyl Ether
Concen: 11.134 ug/l
RT: 3.00 min Scan# 567
Delta R.T. -0.00 min
Lab File: VU028682.D
Acq: 14 Dec 2018 14:50

Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 73 Resp: 28372
Ion Ratio Lower Upper
73 100
57 25.2 19.4 29.2

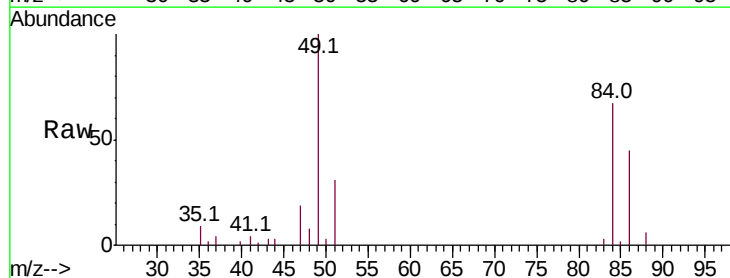


Abundance Ion 73.00 (72.70 to 73.70): VU0
Ion 57.00 (56.70 to 57.70): VU0

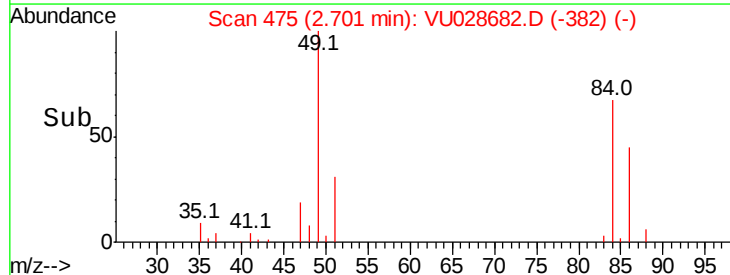
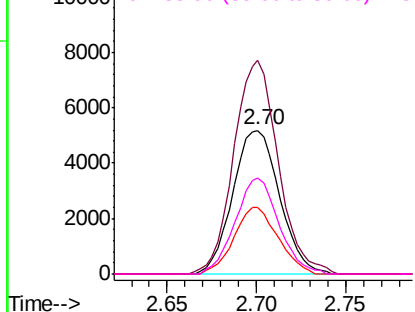


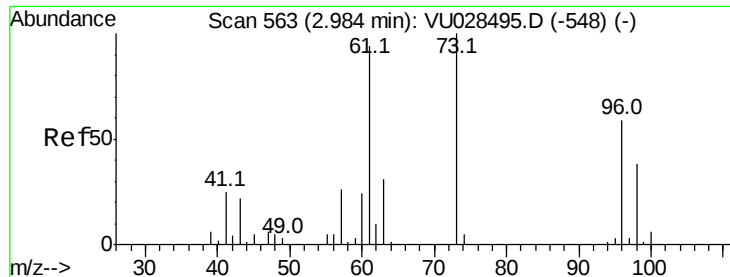
#20
Methylene Chloride
Concen: 10.718 ug/l
RT: 2.70 min Scan# 475
Delta R.T. -0.00 min
Lab File: VU028682.D
Acq: 14 Dec 2018 14:50

Tgt Ion: 84 Resp: 9499
Ion Ratio Lower Upper
84 100
49 148.8 114.0 171.0
51 46.7 35.1 52.7
86 66.6 51.0 76.6



Abundance Ion 83.90 (83.60 to 84.60): VU0
Ion 48.90 (48.60 to 49.60): VU0
Ion 50.90 (50.60 to 51.60): VU0
Ion 85.90 (85.60 to 86.60): VU0





#21

trans-1,2-Dichloroethene

Concen: 10.556 ug/l

RT: 2.98 min Scan# 562

Delta R.T. -0.00 min

Lab File: VU028682.D

Acq: 14 Dec 2018 14:50

Instrument :

MSVOA_U

ClientSampled :

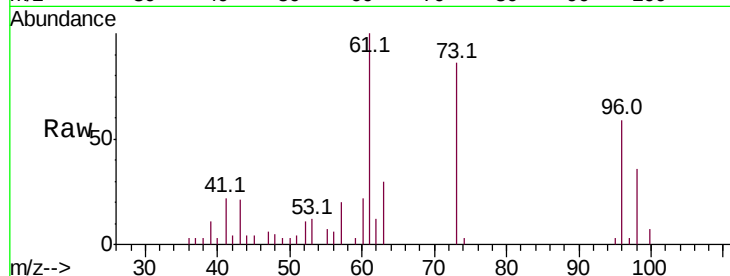
Tot Ion: 96 Resp: 7989

Ion Ratio Lower Upper

96 100

61 170.2 127.0 190.4

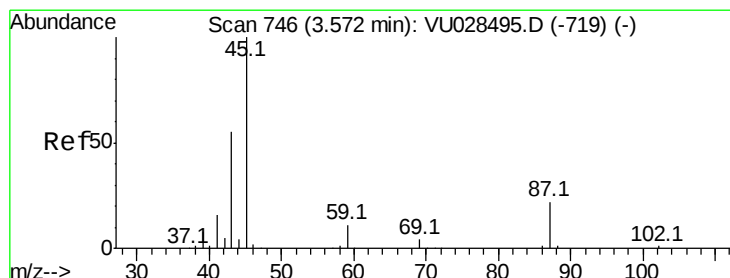
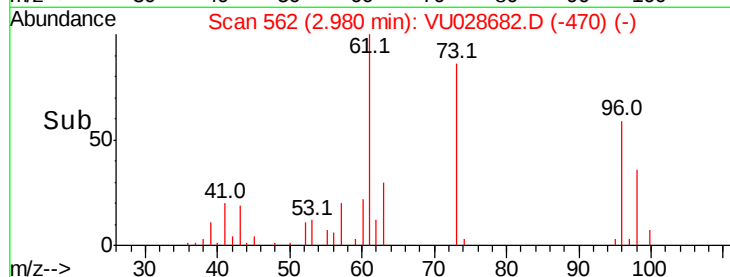
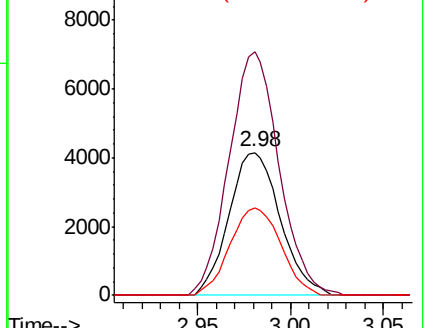
98 61.1 51.9 77.9



Abundance Ion 95.90 (95.60 to 96.60): VU028495.D (-548) (-)

Ion 60.90 (60.60 to 61.60): VU028495.D (-548) (-)

Ion 97.90 (97.60 to 98.60): VU028495.D (-548) (-)



#22

Diisopropyl ether

Concen: 11.200 ug/l

RT: 3.57 min Scan# 745

Delta R.T. -0.00 min

Lab File: VU028682.D

Acq: 14 Dec 2018 14:50

Tgt Ion: 45 Resp: 34634

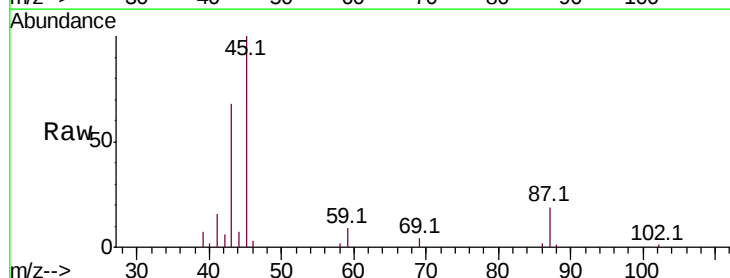
Ion Ratio Lower Upper

45 100

43 64.3 45.3 67.9

87 18.7 17.6 26.4

59 8.8 8.8 13.2

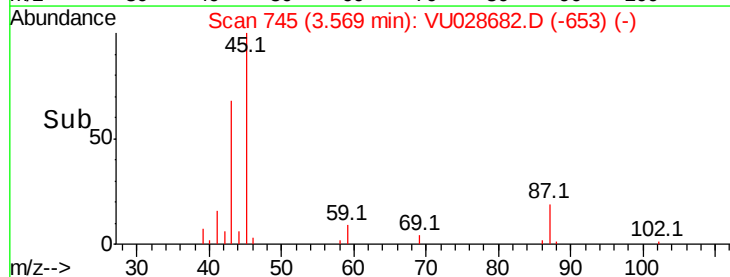
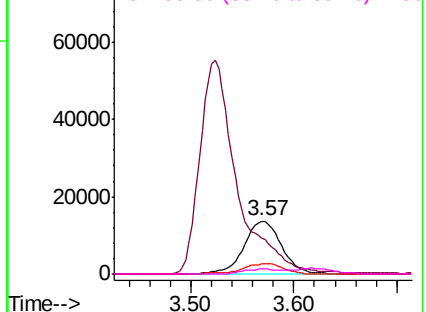


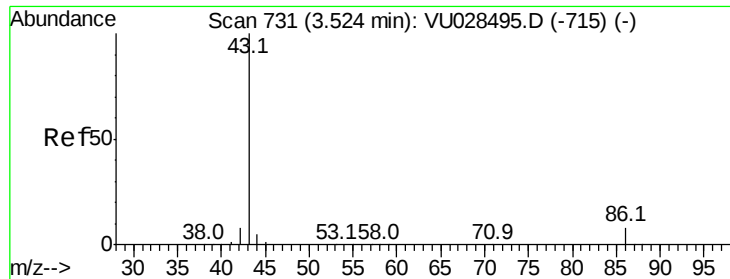
Abundance Ion 45.00 (44.70 to 45.70): VU028495.D (-719) (-)

Ion 43.00 (42.70 to 43.70): VU028495.D (-719) (-)

Ion 87.00 (86.70 to 87.70): VU028495.D (-719) (-)

Ion 59.00 (58.70 to 59.70): VU028495.D (-719) (-)





#23

Vinyl Acetate

Concen: 54.480 ug/l

RT: 3.52 min Scan# 731

Delta R.T. -0.00 min

Lab File: VU028682.D

Acq: 14 Dec 2018 14:50

Instrument :

MSVOA_U

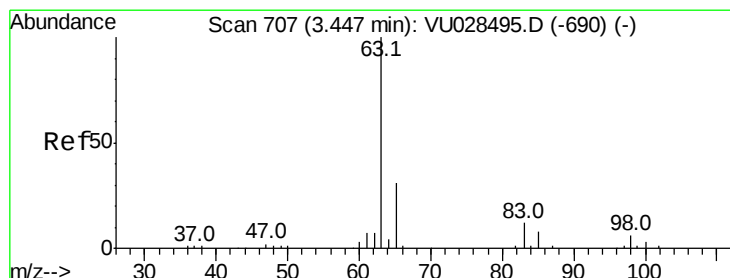
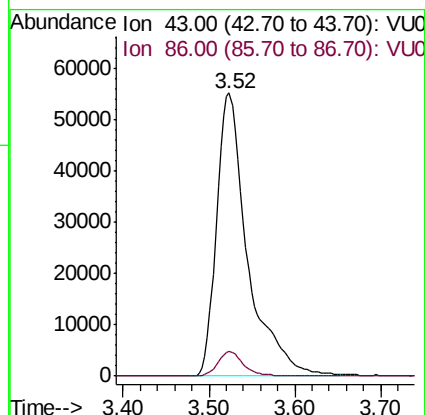
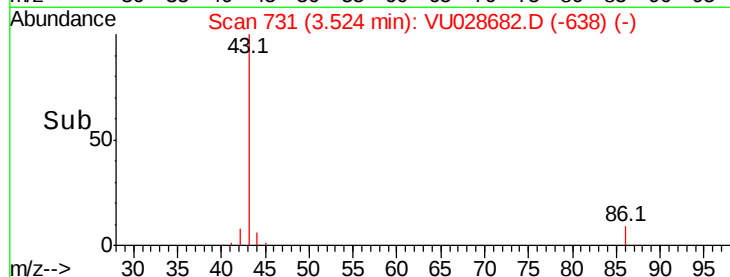
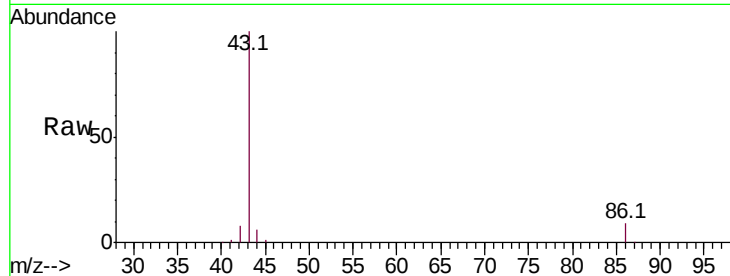
ClientSampled :

Tot Ion: 43 Resp: 138959

Ion Ratio Lower Upper

43 100

86 8.7 6.8 10.2



#24

1,1-Dichloroethane

Concen: 10.966 ug/l

RT: 3.44 min Scan# 706

Delta R.T. -0.00 min

Lab File: VU028682.D

Acq: 14 Dec 2018 14:50

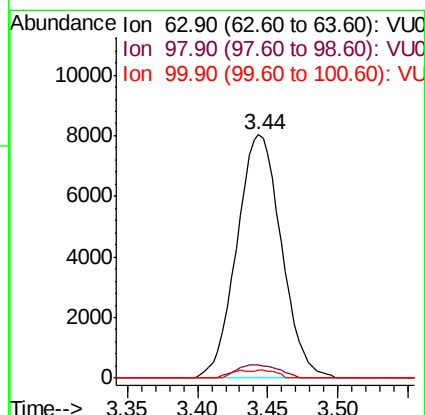
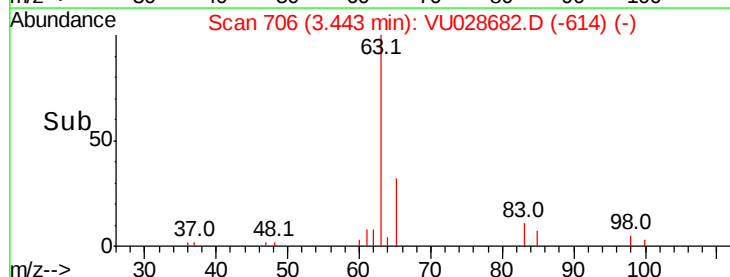
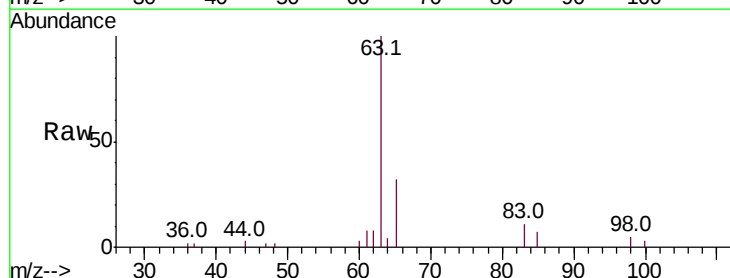
Tgt Ion: 63 Resp: 17751

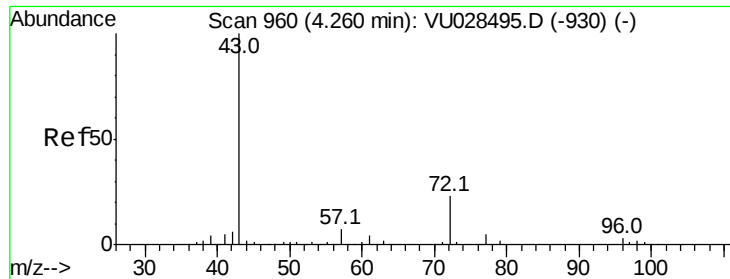
Ion Ratio Lower Upper

63 100

98 5.3 3.0 9.2

100 3.1 1.7 5.1





#25

2-Butanone

Concen: 57.630 ug/l

RT: 4.26 min Scan# 961

Delta R.T. 0.00 min

Lab File: VU028682.D

Acq: 14 Dec 2018 14:50

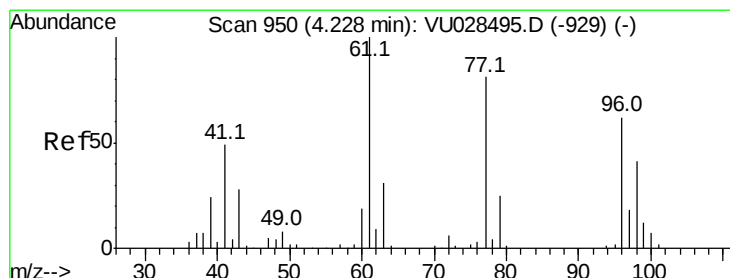
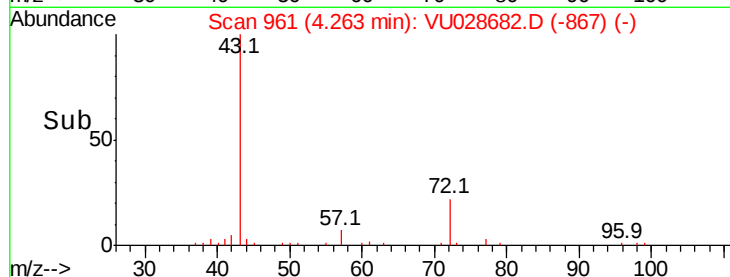
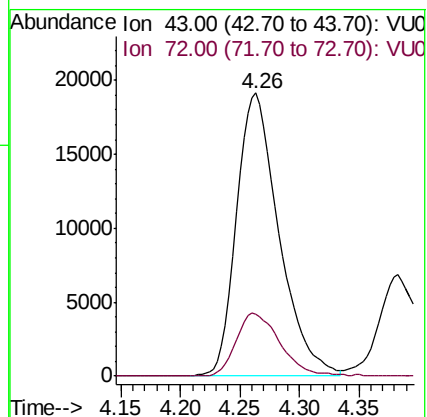
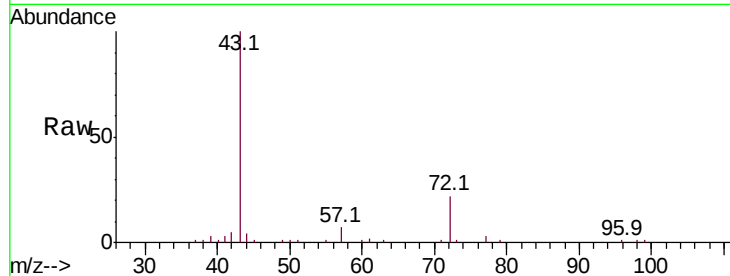
Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 43 Resp: 47349

Ion Ratio Lower Upper

43 100

72 21.9 18.6 28.0



#26

2,2-Dichloropropane

Concen: 11.261 ug/l

RT: 4.22 min Scan# 949

Delta R.T. -0.00 min

Lab File: VU028682.D

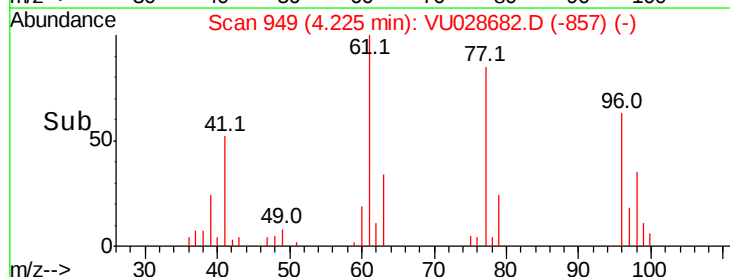
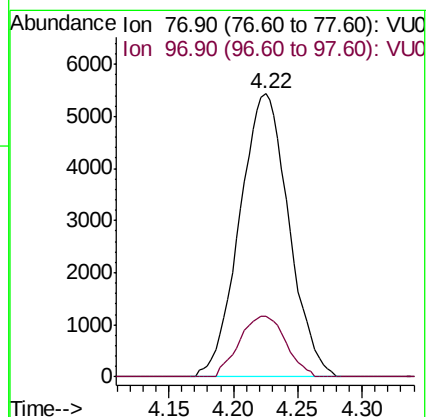
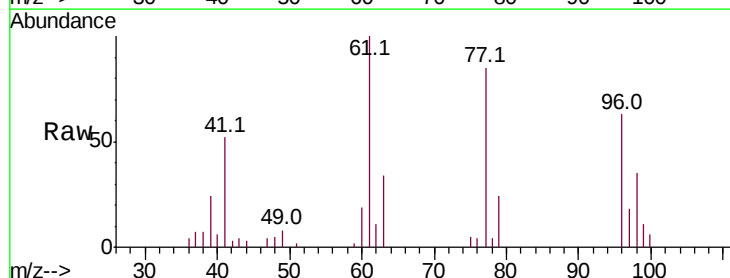
Acq: 14 Dec 2018 14:50

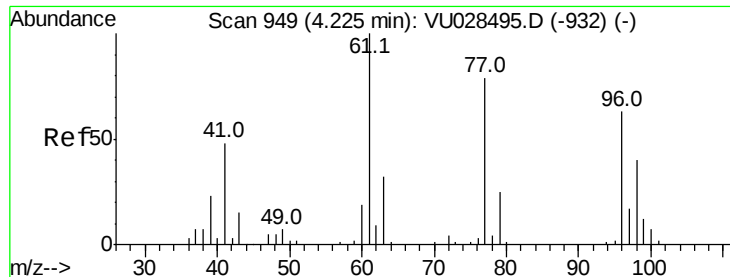
Tgt Ion: 77 Resp: 14443

Ion Ratio Lower Upper

77 100

97 20.2 11.0 33.0



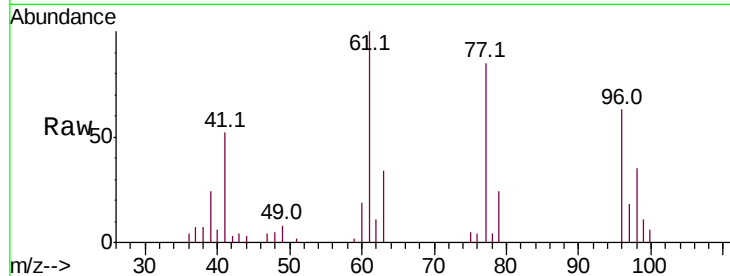


#27

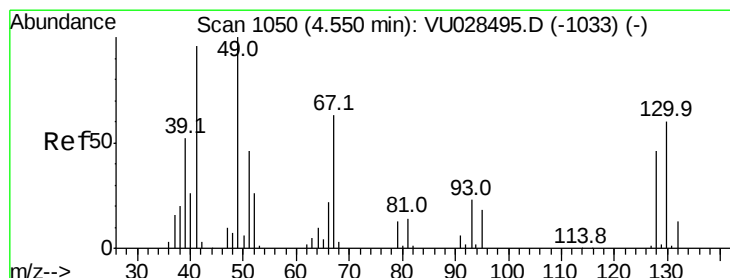
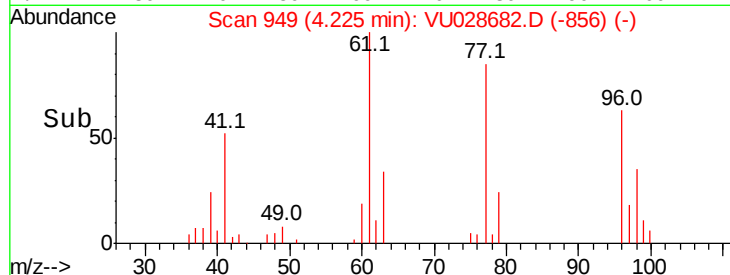
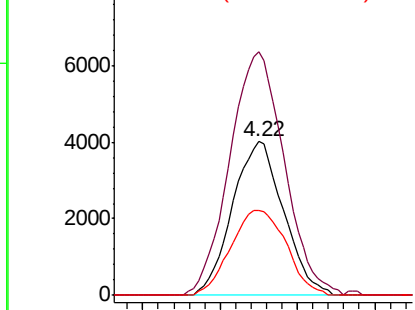
cis-1,2-Dichloroethene
Concen: 10.774 ug/l
RT: 4.22 min Scan# 949
Delta R.T. -0.00 min
Lab File: VU028682.D
Acq: 14 Dec 2018 14:50

Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 96 Resp: 9229
Ion Ratio Lower Upper
96 100
61 168.5 0.0 332.4
98 59.9 0.0 129.0



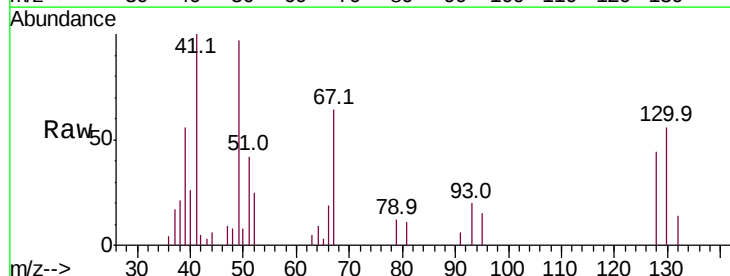
Abundance Ion 95.90 (95.60 to 96.60): VU0
Ion 60.90 (60.60 to 61.60): VU0
Ion 97.90 (97.60 to 98.60): VU0



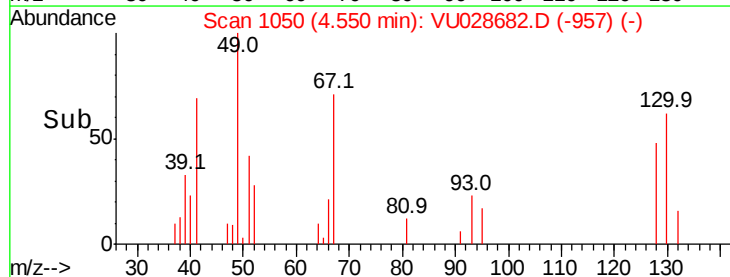
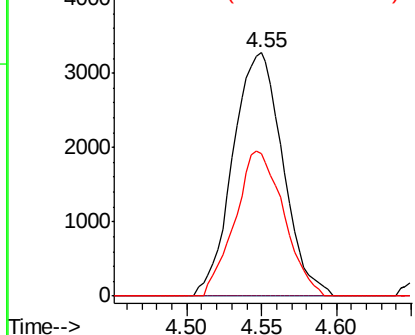
#28

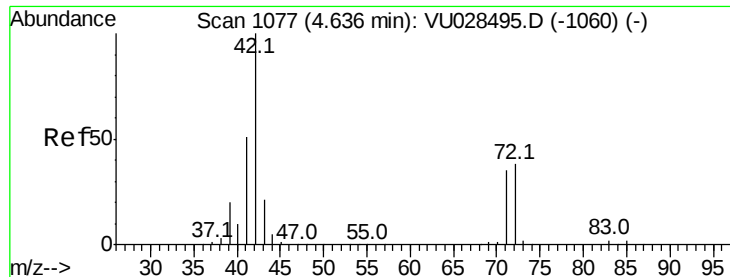
Bromochloromethane
Concen: 10.343 ug/l
RT: 4.55 min Scan# 1050
Delta R.T. -0.00 min
Lab File: VU028682.D
Acq: 14 Dec 2018 14:50

Tgt Ion: 49 Resp: 7611
Ion Ratio Lower Upper
49 100
129 0.0 0.0 3.0
130 58.0 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: 56.439 ug/l

RT: 4.64 min Scan# 1078

Delta R.T. 0.00 min

Lab File: VU028682.D

Acq: 14 Dec 2018 14:50

Instrument :

MSVOA_U

ClientSampled :

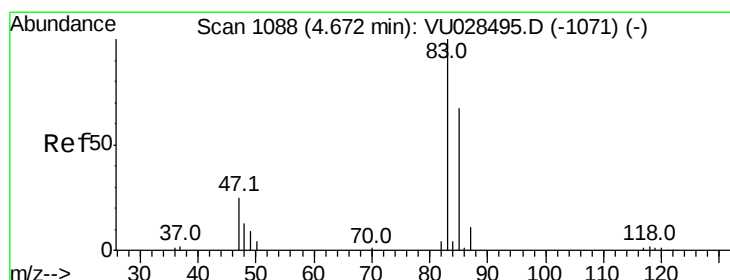
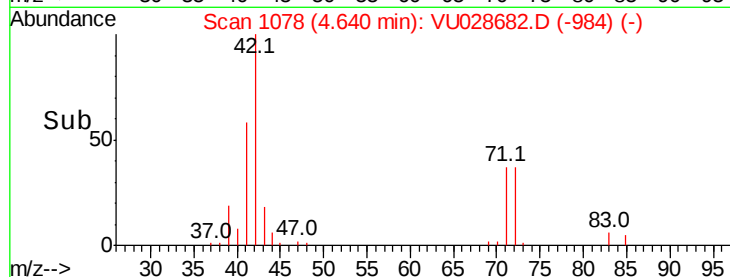
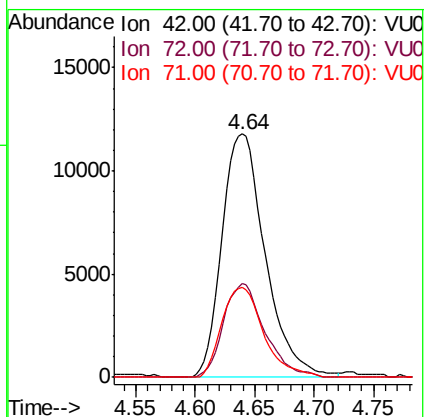
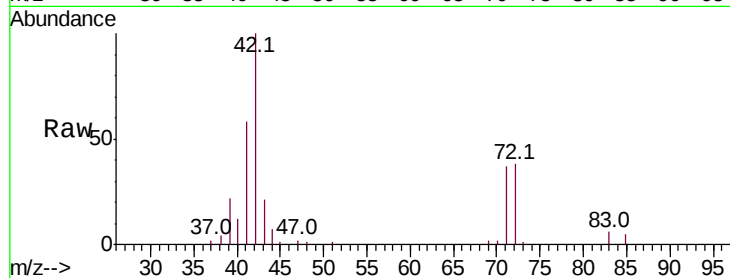
Tot Ion: 42 Resp: 29781

Ion Ratio Lower Upper

42 100

72 36.6 31.4 47.0

71 35.7 28.6 43.0



#30

Chloroform

Concen: 11.540 ug/l

RT: 4.67 min Scan# 1089

Delta R.T. 0.00 min

Lab File: VU028682.D

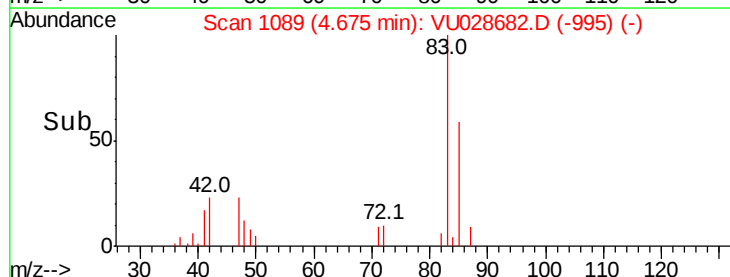
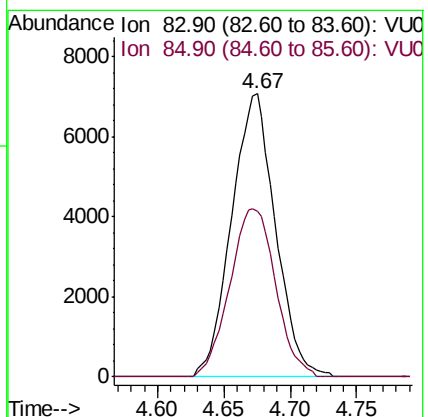
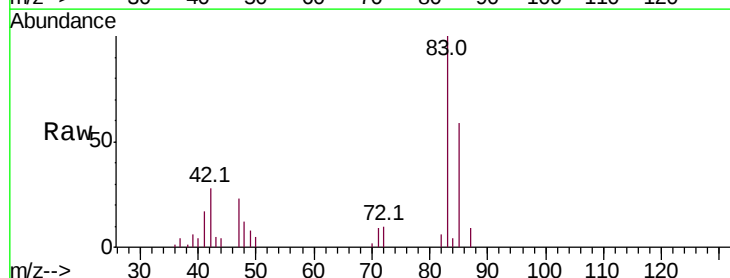
Acq: 14 Dec 2018 14:50

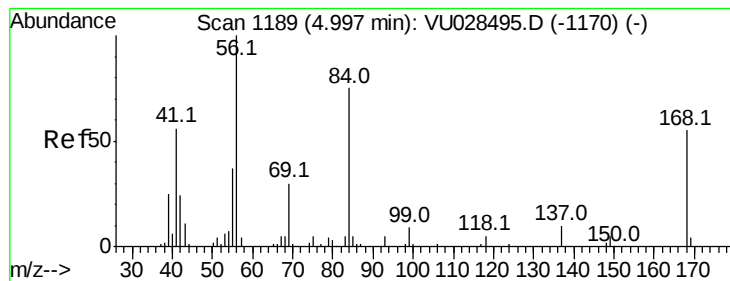
Tgt Ion: 83 Resp: 16280

Ion Ratio Lower Upper

83 100

85 58.7 53.6 80.4





#31

Cyclohexane

Concen: 10.208 ug/l

RT: 4.99 min Scan# 1187

Delta R.T. -0.01 min

Lab File: VU028682.D

Acq: 14 Dec 2018 14:50

Instrument :
MSVOA_U
ClientSampled :

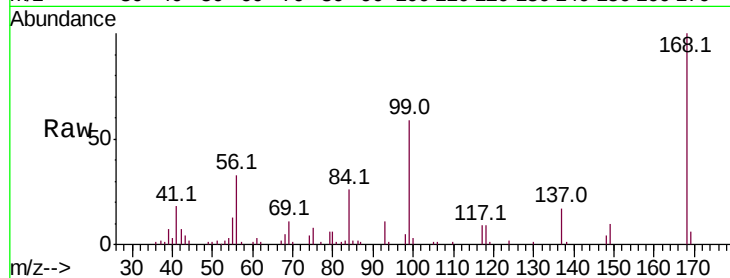
Tot Ion: 56 Resp: 17629

Ion Ratio Lower Upper

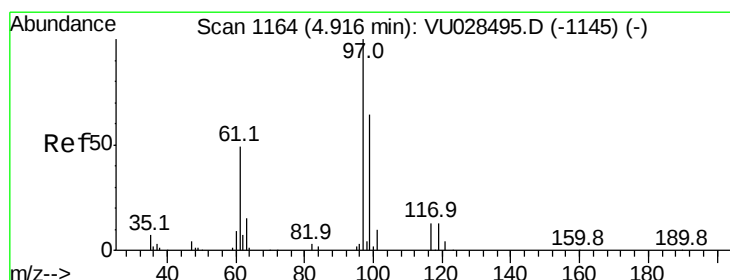
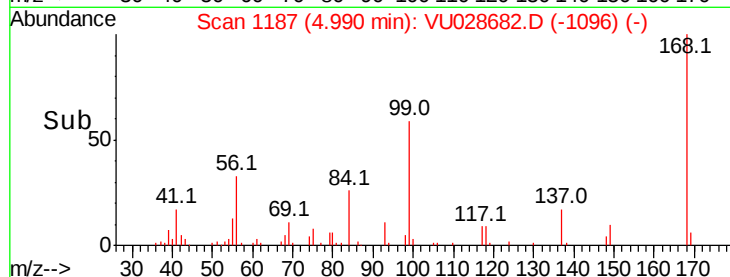
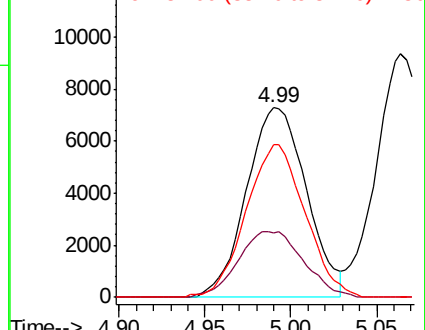
56 100

69 34.2 24.0 36.0

84 79.2 59.7 89.5



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



#32

1,1,1-Trichloroethane

Concen: 11.385 ug/l

RT: 4.91 min Scan# 1163

Delta R.T. -0.00 min

Lab File: VU028682.D

Acq: 14 Dec 2018 14:50

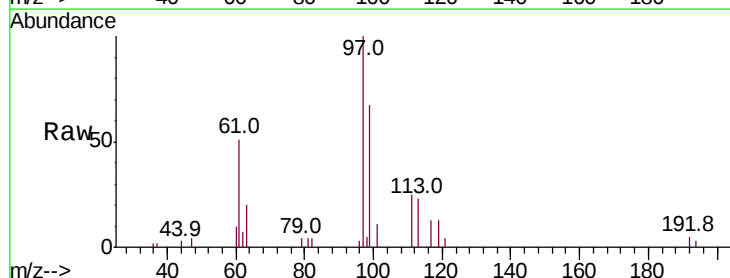
Tgt Ion: 97 Resp: 13340

Ion Ratio Lower Upper

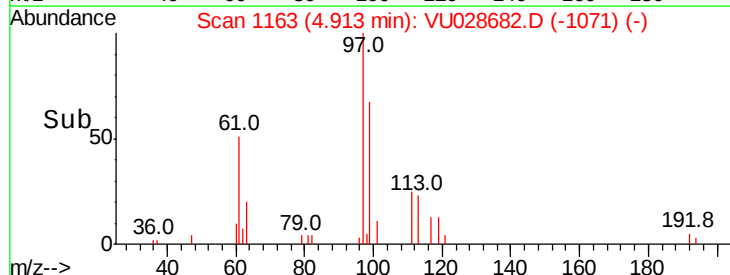
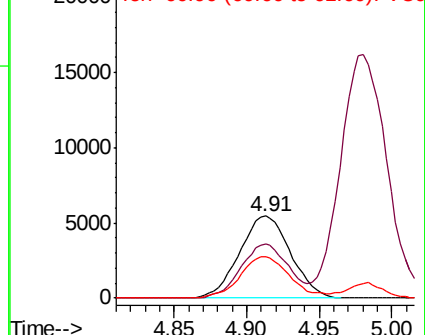
97 100

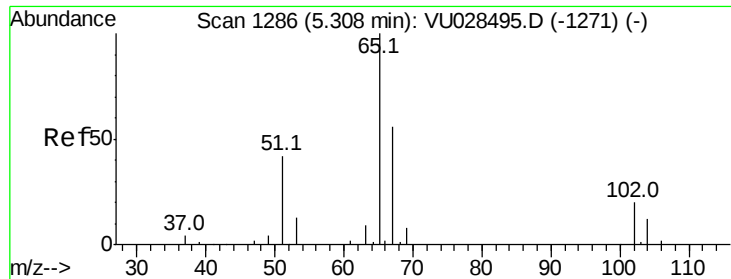
99 61.6 52.3 78.5

61 49.5 39.0 58.6



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

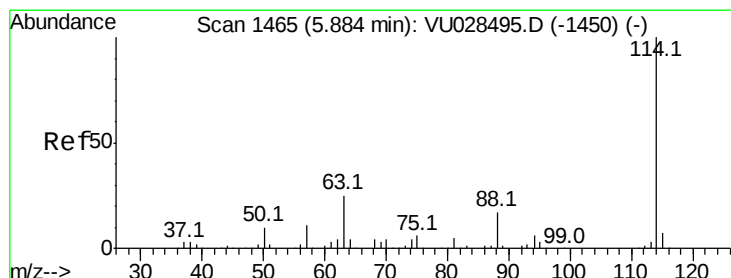
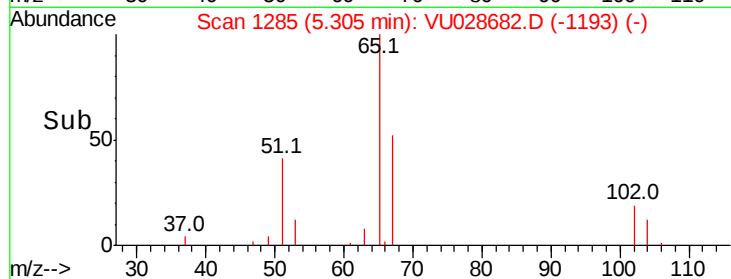
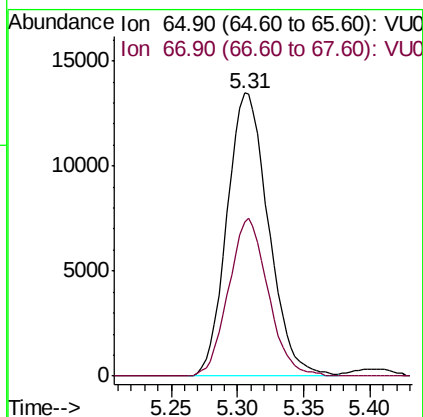
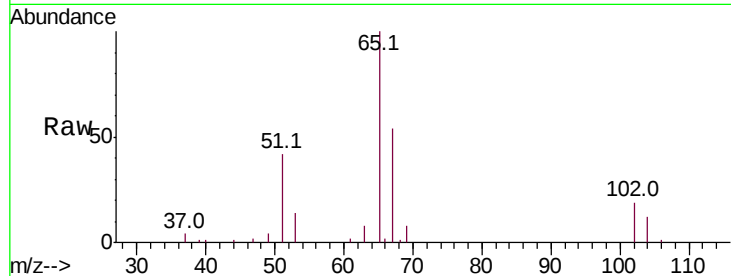




#33
 1,2-Dichloroethane-d4
 Concen: 31.823 ug/l
 RT: 5.31 min Scan# 1285
 Delta R.T. -0.00 min
 Lab File: VU028682.D
 Acq: 14 Dec 2018 14:50

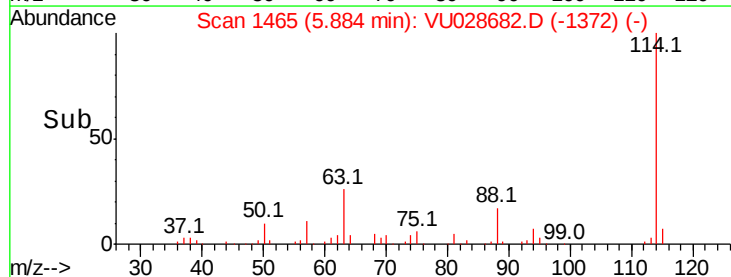
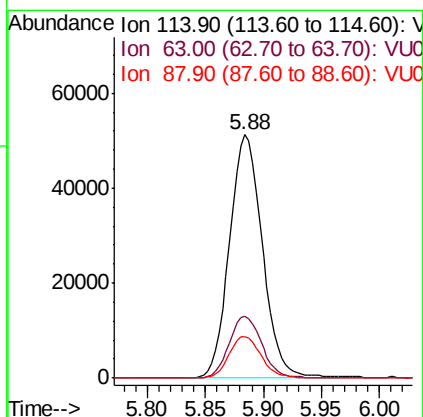
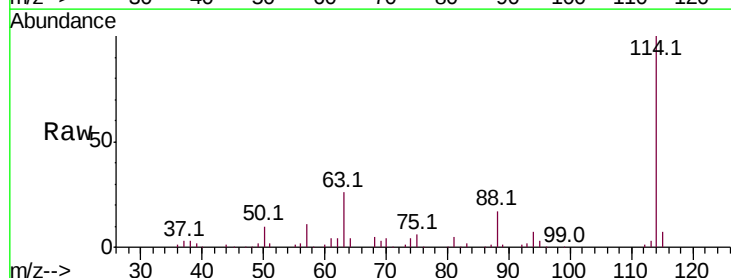
Instrument :
 MSVOA_U
 ClientSampled :

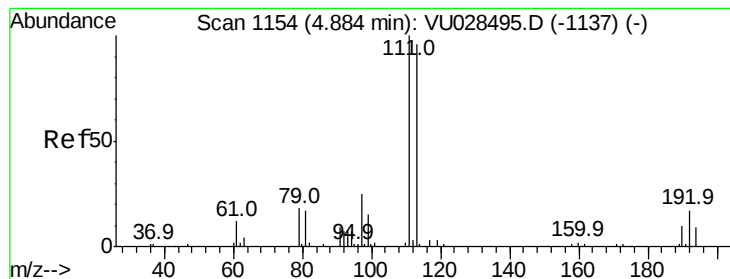
Tot Ion: 65 Resp: 29319
 Ion Ratio Lower Upper
 65 100
 67 53.1 0.0 110.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.88 min Scan# 1465
 Delta R.T. -0.00 min
 Lab File: VU028682.D
 Acq: 14 Dec 2018 14:50

Tgt Ion: 114 Resp: 101073
 Ion Ratio Lower Upper
 114 100
 63 25.6 0.0 49.2
 88 17.2 0.0 33.4





#35

Dibromofluoromethane

Concen: 32.708 ug/l

RT: 4.88 min Scan# 1153

Delta R.T. -0.00 min

Lab File: VU028682.D

Acq: 14 Dec 2018 14:50

Instrument :
MSVOA_U
ClientSampled :

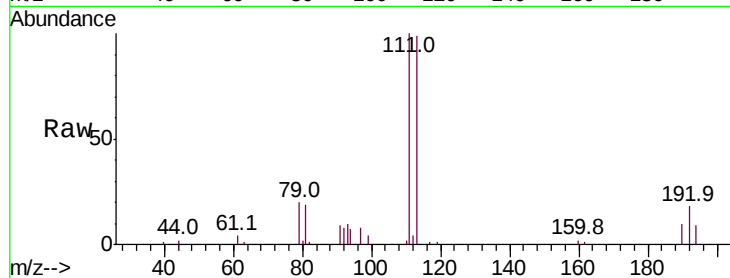
Tot Ion:113 Resp: 20804

Ion Ratio Lower Upper

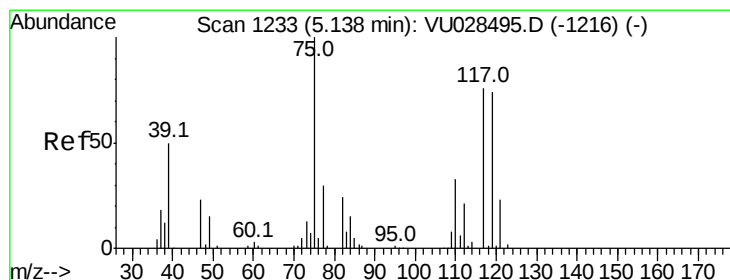
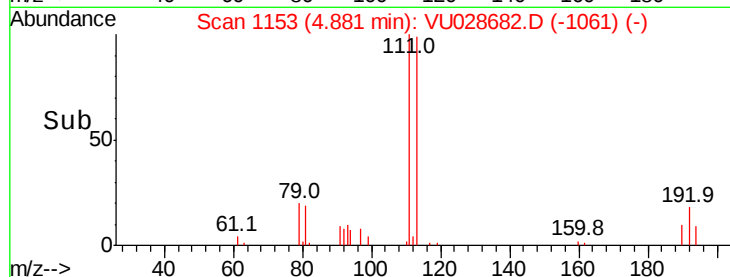
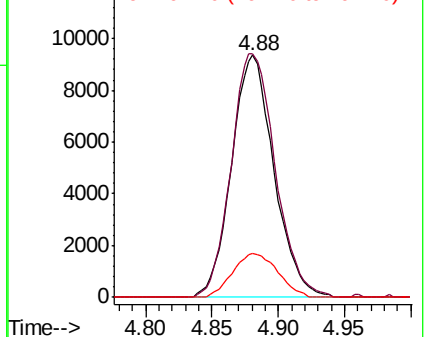
113 100

111 104.4 83.4 125.0

192 19.1 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: 10.623 ug/l

RT: 5.13 min Scan# 1232

Delta R.T. -0.00 min

Lab File: VU028682.D

Acq: 14 Dec 2018 14:50

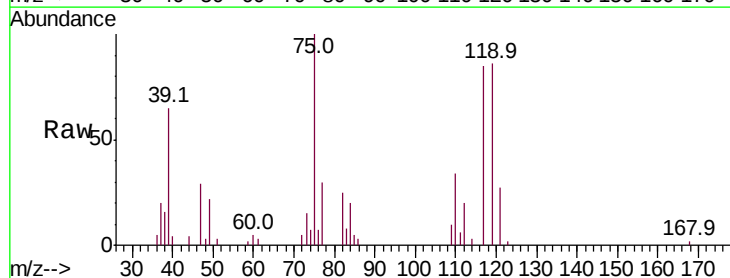
Tgt Ion: 75 Resp: 11749

Ion Ratio Lower Upper

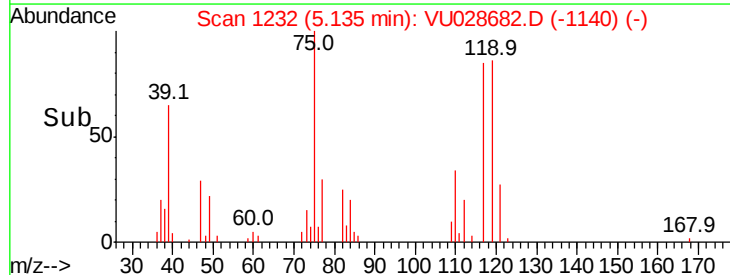
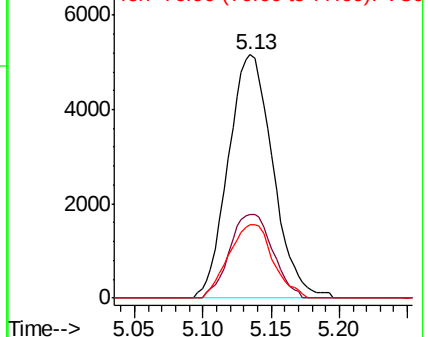
75 100

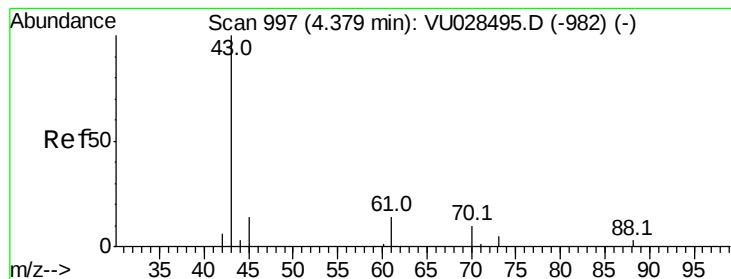
110 33.2 16.1 48.2

77 30.0 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: 11.287 ug/l

RT: 4.38 min Scan# 998

Delta R.T. 0.00 min

Lab File: VU028682.D

Acq: 14 Dec 2018 14:50

Instrument :

MSVOA_U

ClientSampleId :

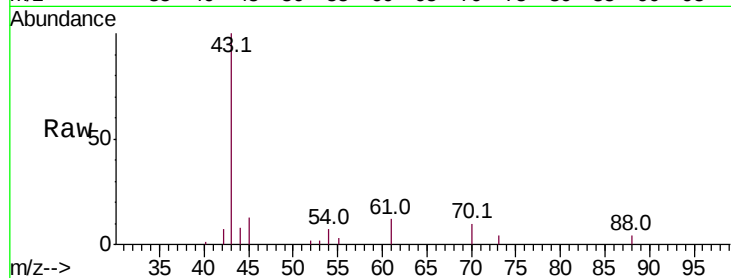
Tot Ion: 43 Resp: 16138

Ion Ratio Lower Upper

43 100

61 13.0 11.0 16.4

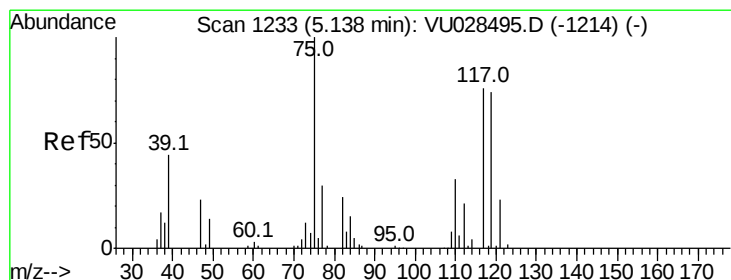
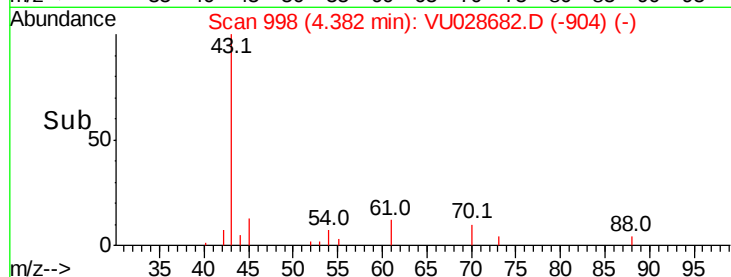
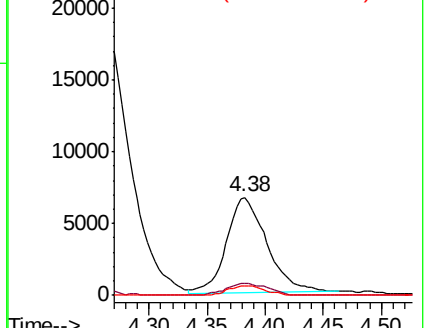
70 8.8 7.4 11.0



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: 11.701 ug/l

RT: 5.13 min Scan# 1231

Delta R.T. -0.01 min

Lab File: VU028682.D

Acq: 14 Dec 2018 14:50

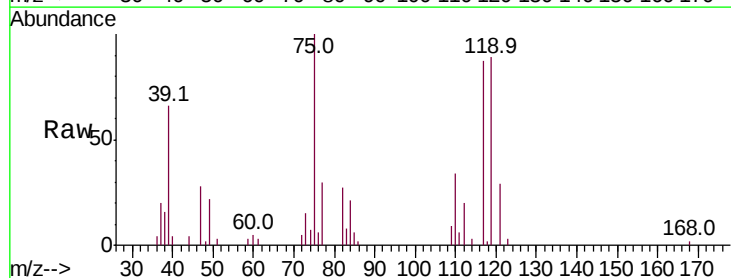
Tgt Ion: 117 Resp: 10431

Ion Ratio Lower Upper

117 100

119 102.8 77.6 116.4

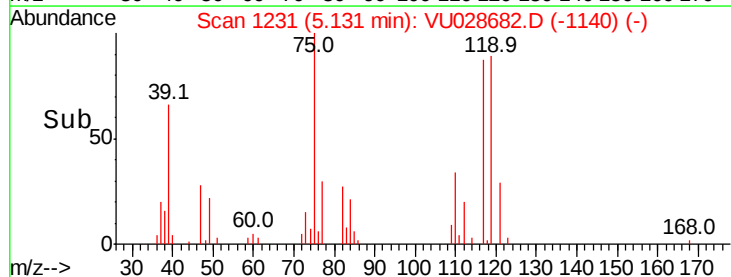
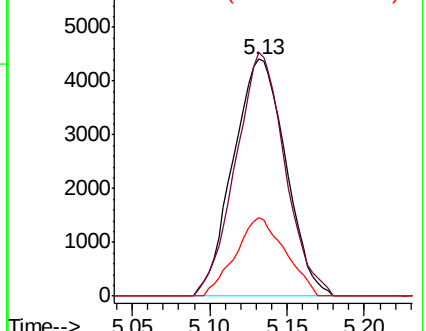
121 33.2 24.6 36.8

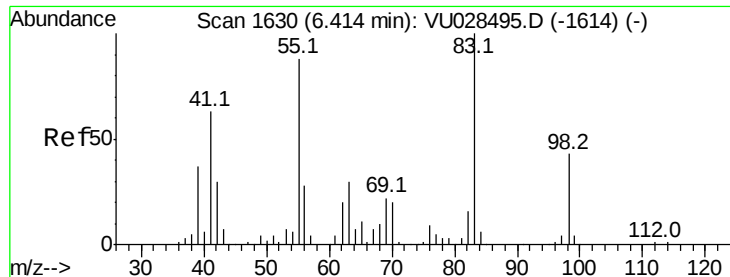


Abundance Ion 116.80 (116.50 to 117.50): VU028495.D (-1214) (-)

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

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

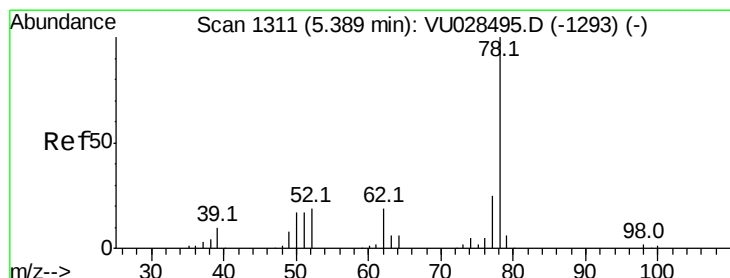
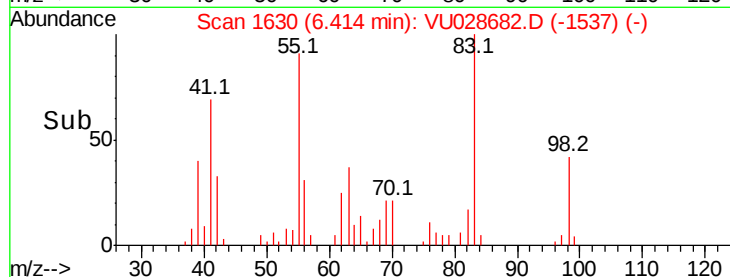
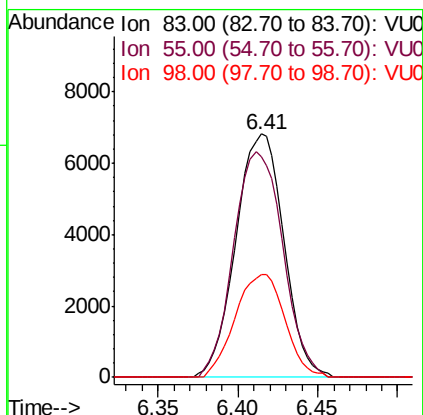
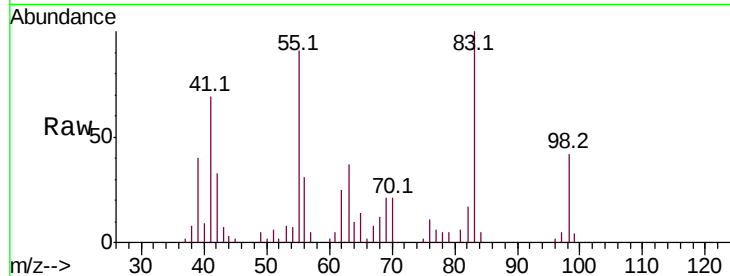




#39
Methvlcvclohexane
Concen: 10.364 ug/l
RT: 6.41 min Scan# 1630
Delta R.T. -0.00 min
Lab File: VU028682.D
Acq: 14 Dec 2018 14:50

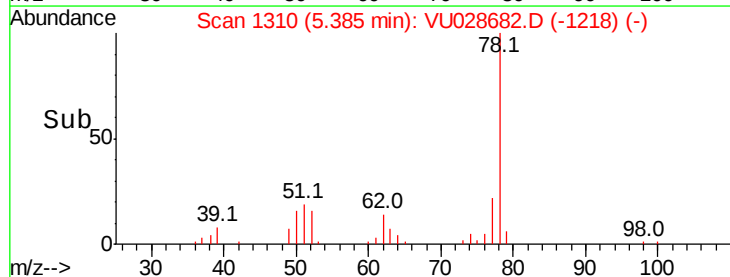
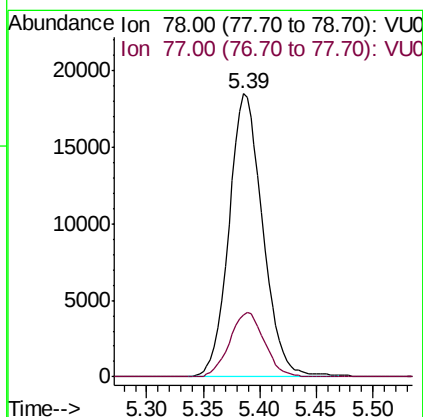
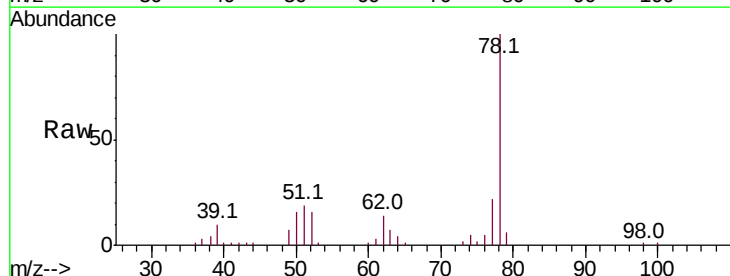
Instrument :
MSVOA_U
ClientSampleId :

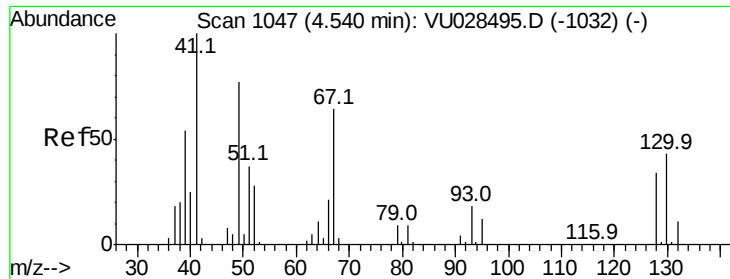
Tot Ion: 83 Resp: 13985
Ion Ratio Lower Upper
83 100
55 90.8 70.2 105.2
98 42.5 34.2 51.4



#40
Benzene
Concen: 11.811 ug/l
RT: 5.39 min Scan# 1310
Delta R.T. -0.00 min
Lab File: VU028682.D
Acq: 14 Dec 2018 14:50

Tgt Ion: 78 Resp: 38474
Ion Ratio Lower Upper
78 100
77 22.1 19.9 29.9





#41

Methacrylonitrile

Concen: 11.580 ug/l

RT: 4.54 min Scan# 1047

Delta R.T. -0.00 min

Lab File: VU028682.D

Acq: 14 Dec 2018 14:50

Instrument :

MSVOA_U

ClientSampleId :

Tot Ion: 41 Resp: 9067

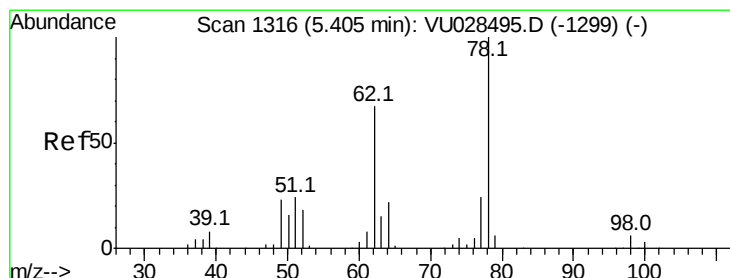
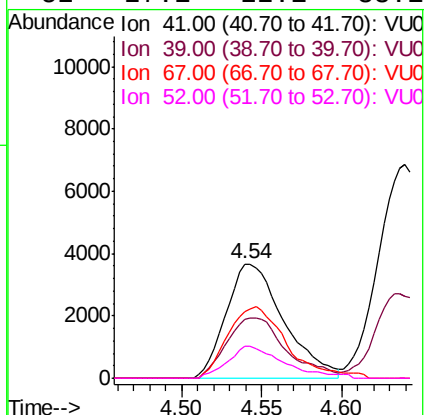
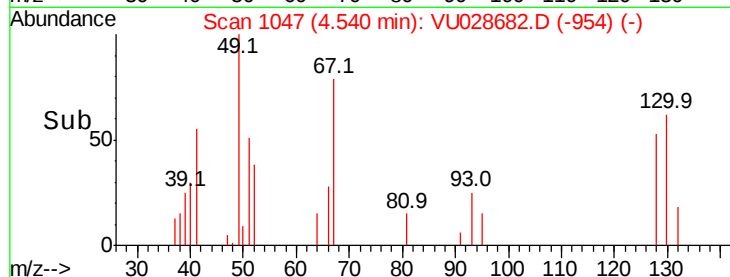
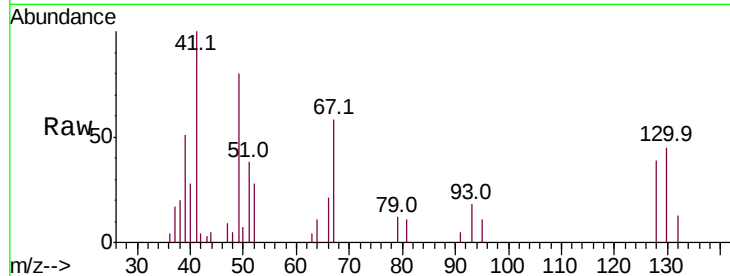
Ion Ratio Lower Upper

41 100

39 54.6 43.3 64.9

67 63.8 53.6 80.4

52 27.1 22.1 33.1



#42

1,2-Dichloroethane

Concen: 12.387 ug/l

RT: 5.40 min Scan# 1316

Delta R.T. -0.00 min

Lab File: VU028682.D

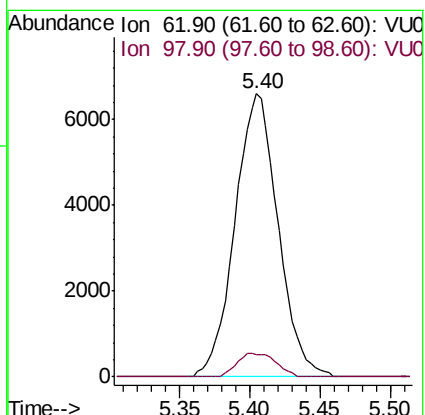
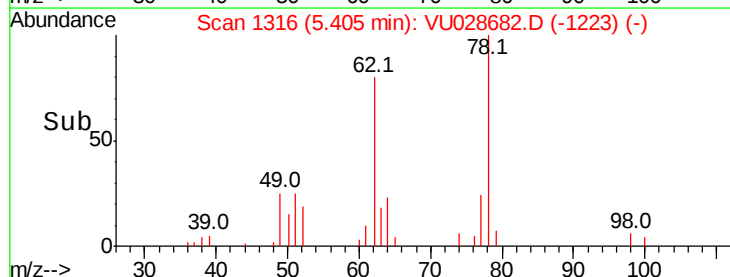
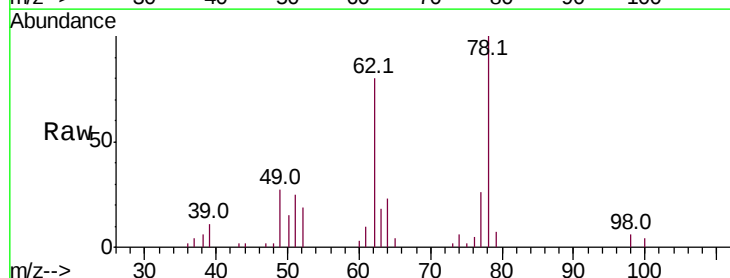
Acq: 14 Dec 2018 14:50

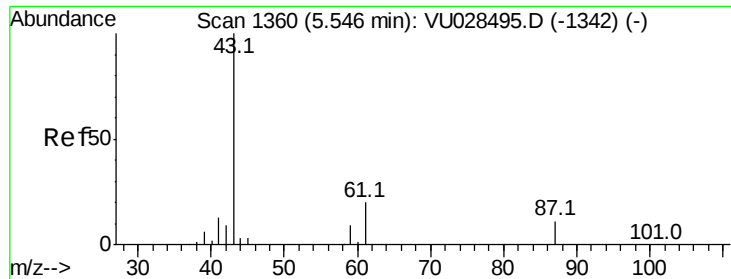
Tgt Ion: 62 Resp: 14124

Ion Ratio Lower Upper

62 100

98 7.6 0.0 17.2





#43

Isopropyl Acetate

Concen: 11.765 ug/l

RT: 5.55 min Scan# 1361

Delta R.T. 0.00 min

Lab File: VU028682.D

Acq: 14 Dec 2018 14:50

Instrument :

MSVOA_U

ClientSampleId :

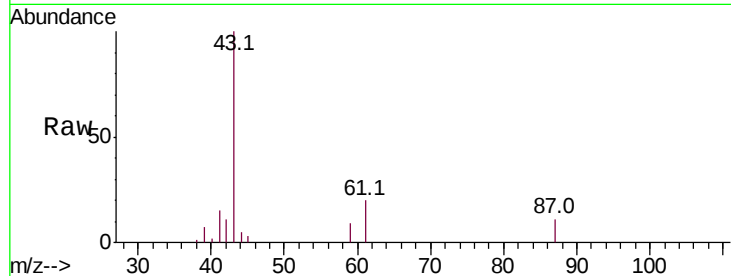
Tot Ion: 43 Resp: 26607

Ion Ratio Lower Upper

43 100

61 17.5 15.5 23.3

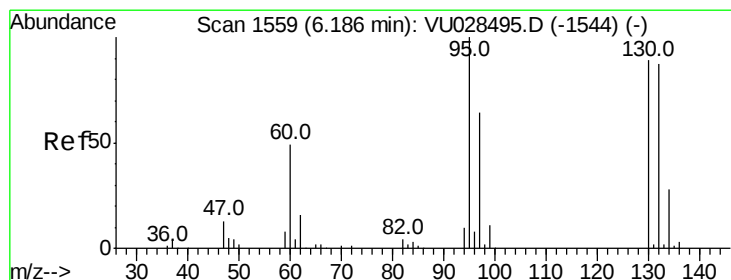
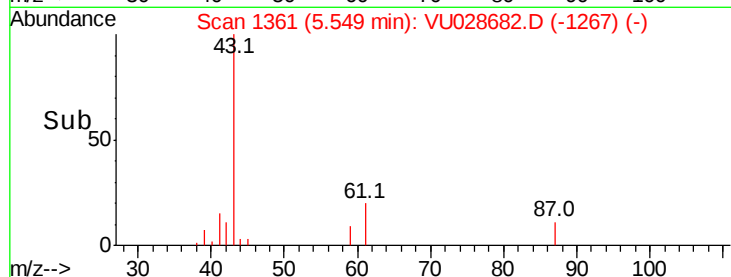
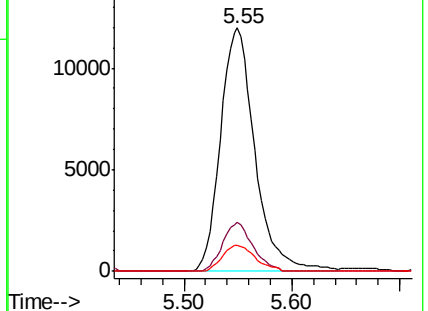
87 10.1 8.7 13.1



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: 11.466 ug/l

RT: 6.19 min Scan# 1559

Delta R.T. -0.00 min

Lab File: VU028682.D

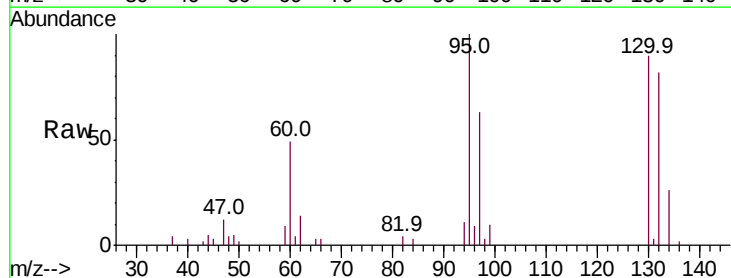
Acq: 14 Dec 2018 14:50

Tgt Ion:130 Resp: 8305

Ion Ratio Lower Upper

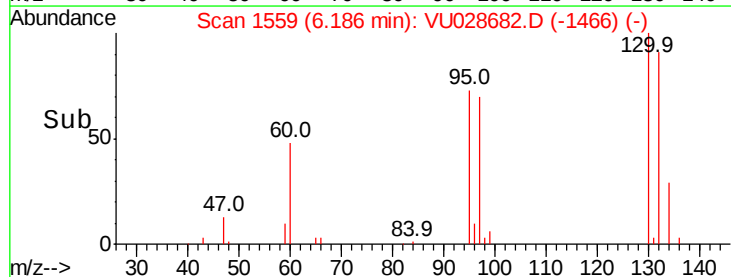
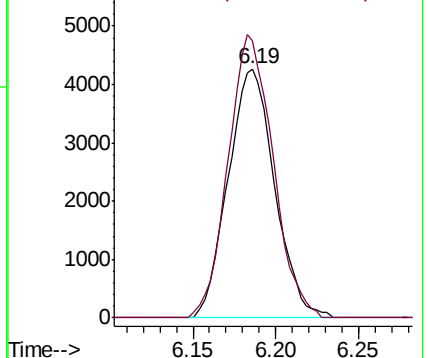
130 100

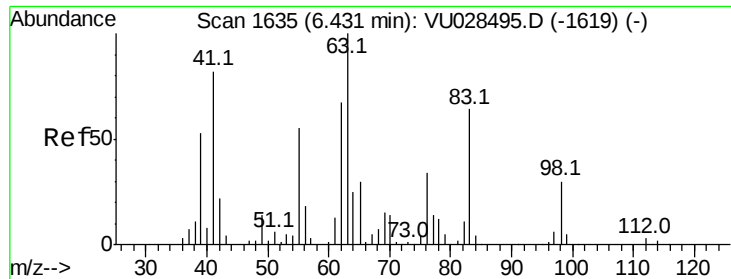
95 111.2 0.0 224.0



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: 11.831 ug/l

RT: 6.43 min Scan# 1635

Delta R.T. -0.00 min

Lab File: VU028682.D

Acq: 14 Dec 2018 14:50

Instrument :

MSVOA_U

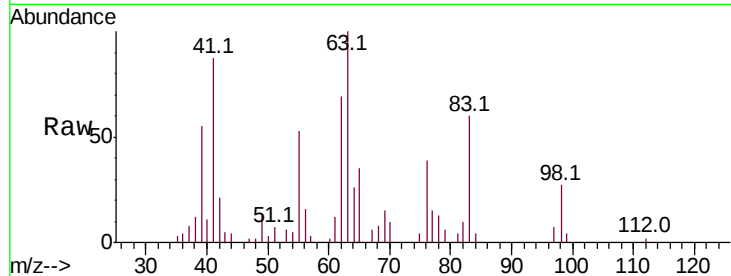
ClientSampleId :

Tot Ion: 63 Resp: 10838

Ion Ratio Lower Upper

63 100

65 34.7 24.2 36.4



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

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

6.43

6000

5000

4000

3000

2000

1000

0

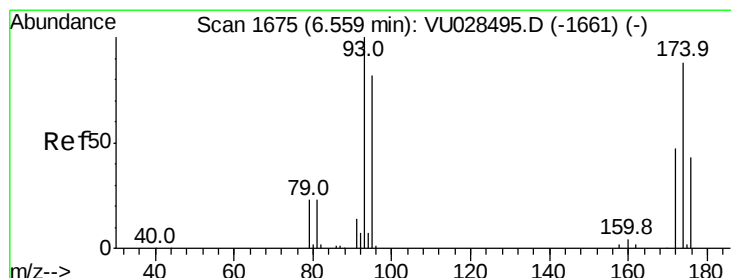
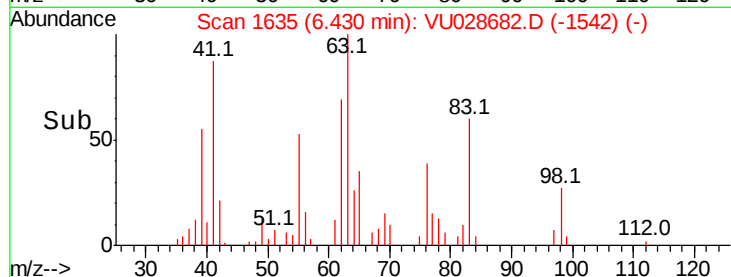
6.35

6.40

6.45

6.50

Time-->



#46

Dibromomethane

Concen: 11.934 ug/l

RT: 6.56 min Scan# 1674

Delta R.T. -0.00 min

Lab File: VU028682.D

Acq: 14 Dec 2018 14:50

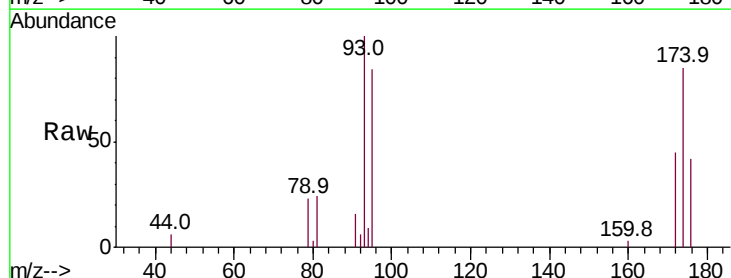
Tgt Ion: 93 Resp: 6486

Ion Ratio Lower Upper

93 100

95 82.6 65.4 98.2

174 88.9 72.2 108.4



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

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

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

6.56

4000

3000

2000

1000

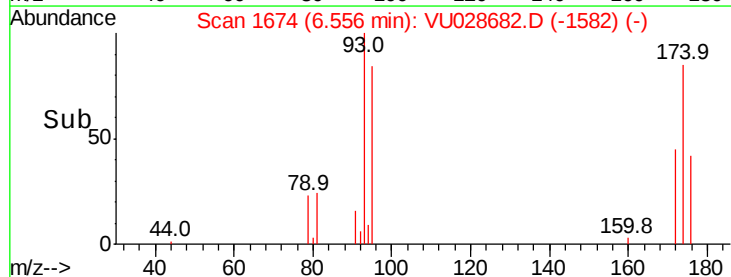
0

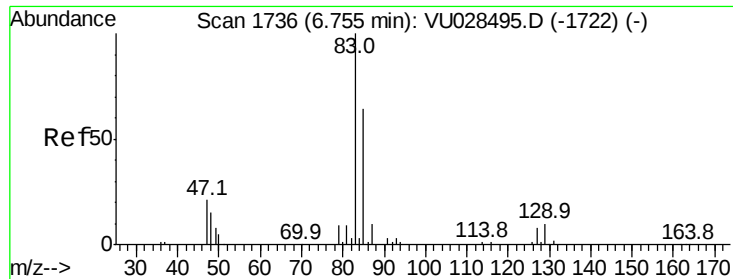
6.50

6.55

6.60

Time-->





#47

Bromodichloromethane

Concen: 11.971 ug/l

RT: 6.76 min Scan# 1736

Delta R.T. -0.00 min

Lab File: VU028682.D

Acq: 14 Dec 2018 14:50

Instrument :

MSVOA_U

ClientSampleId :

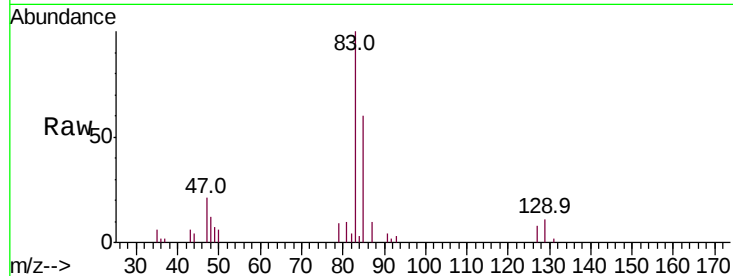
Tot Ion: 83 Resp: 12661

Ion Ratio Lower Upper

83 100

85 59.8 51.5 77.3

127 7.5 6.2 9.4

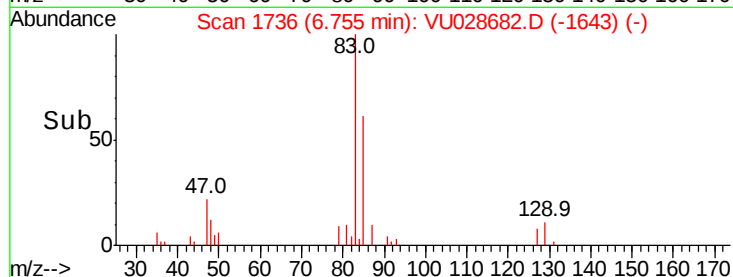


Abundance Ion 82.90 (82.60 to 83.60): VU028495.D (-1722) (-)

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

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

Time-->

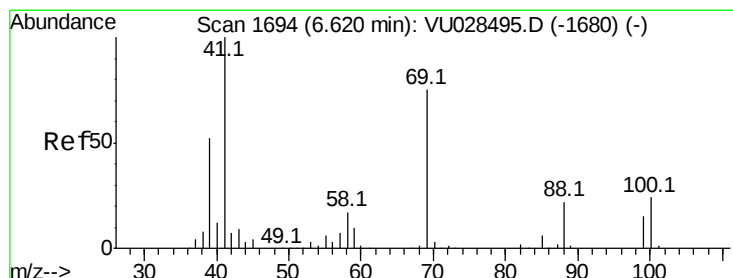


Abundance Ion 82.90 (82.60 to 83.60): VU028682.D (-1643) (-)

Ion 84.90 (84.60 to 85.60): VU028682.D (-1643) (-)

Ion 126.80 (126.50 to 127.50): VU028682.D (-1643) (-)

Time-->



#48

Methyl methacrylate

Concen: 11.578 ug/l

RT: 6.62 min Scan# 1695

Delta R.T. 0.00 min

Lab File: VU028682.D

Acq: 14 Dec 2018 14:50

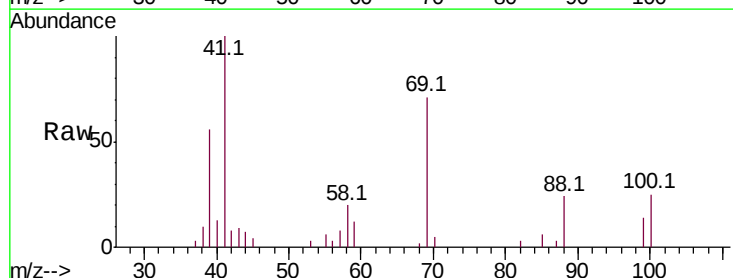
Tgt Ion: 41 Resp: 13021

Ion Ratio Lower Upper

41 100

69 70.2 60.4 90.6

39 52.5 41.1 61.7

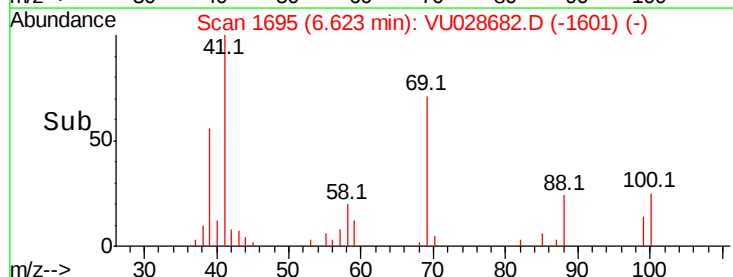


Abundance Ion 41.00 (40.70 to 41.70): VU028495.D (-1680) (-)

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

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

Time-->

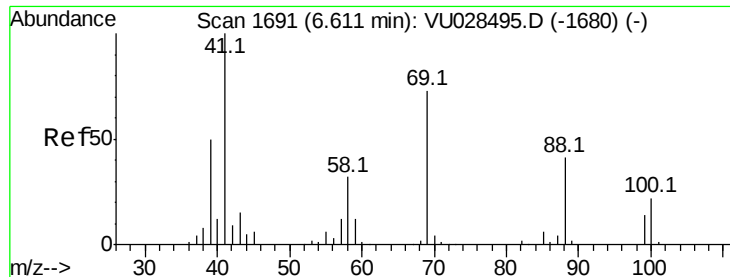


Abundance Ion 41.00 (40.70 to 41.70): VU028682.D (-1601) (-)

Ion 69.00 (68.70 to 69.70): VU028682.D (-1601) (-)

Ion 39.00 (38.70 to 39.70): VU028682.D (-1601) (-)

Time-->



#49

1,4-Dioxane

Concen: 232.746 ug/l

RT: 6.61 min Scan# 1692

Delta R.T. 0.00 min

Lab File: VU028682.D

Acq: 14 Dec 2018 14:50

Instrument :
MSVOA_U
ClientSampled :

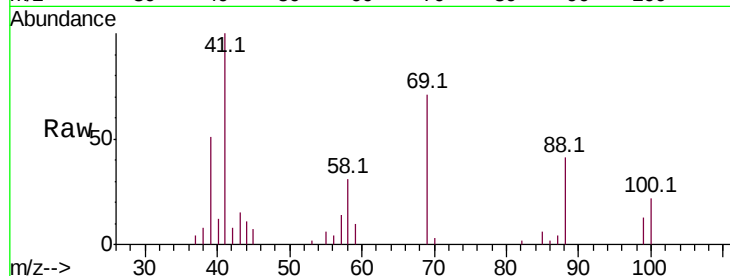
Tot Ion: 88 Resp: 4133

Ion Ratio Lower Upper

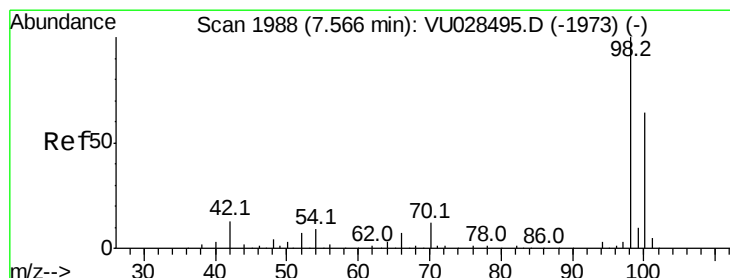
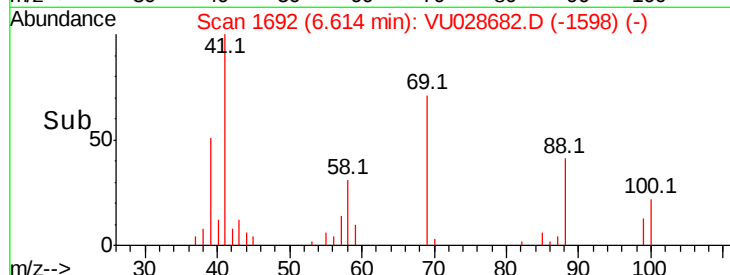
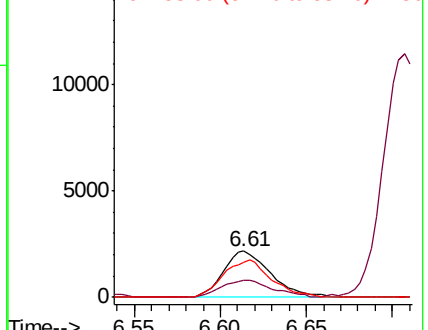
88 100

43 40.4 30.9 46.3

58 81.6 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: 31.378 ug/l

RT: 7.56 min Scan# 1987

Delta R.T. -0.00 min

Lab File: VU028682.D

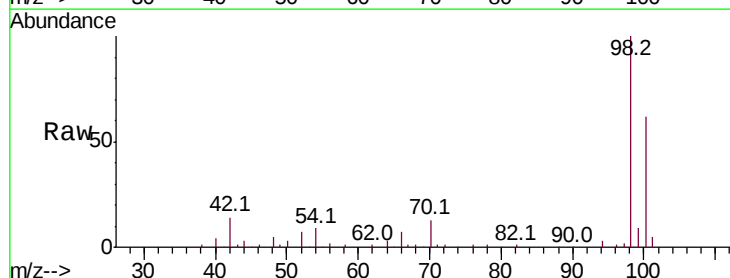
Acq: 14 Dec 2018 14:50

Tgt Ion: 98 Resp: 78951

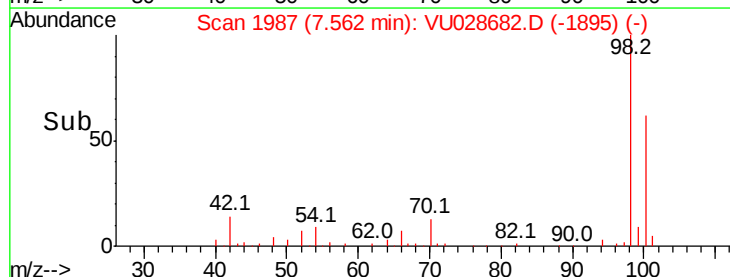
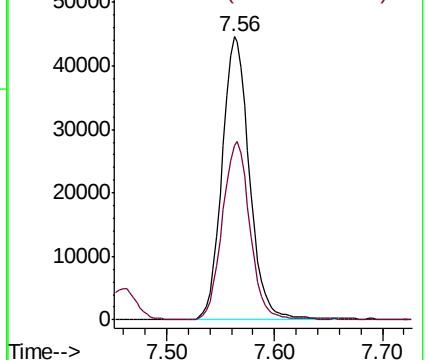
Ion Ratio Lower Upper

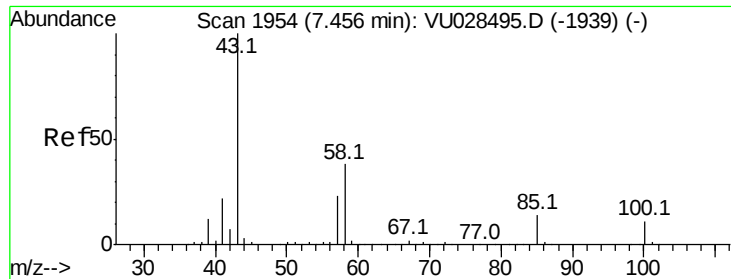
98 100

100 63.5 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: 58.655 ug/l

RT: 7.46 min Scan# 1955

Delta R.T. 0.00 min

Lab File: VU028682.D

Acq: 14 Dec 2018 14:50

Instrument :

MSVOA_U

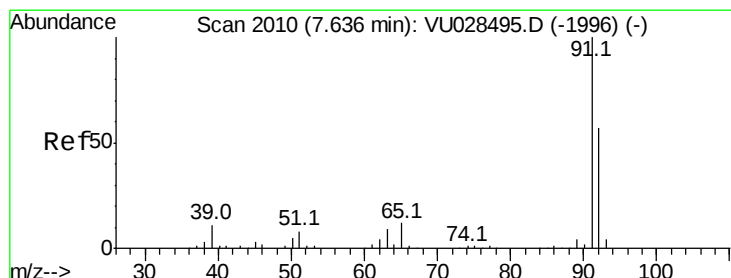
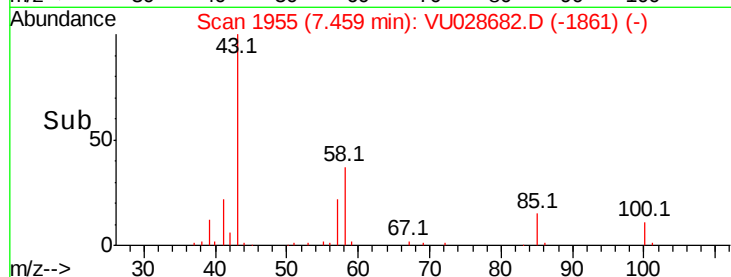
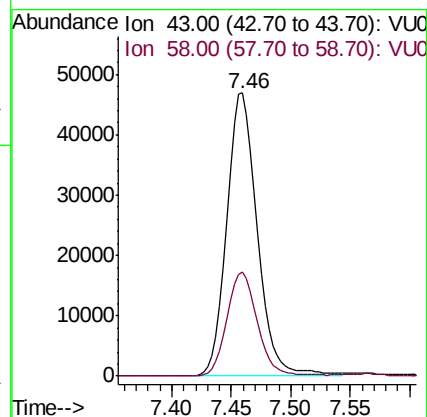
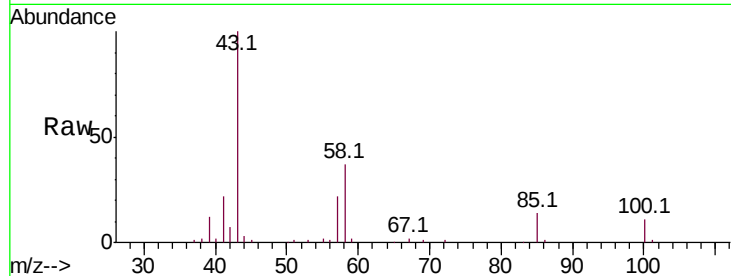
ClientSampled :

Tot Ion: 43 Resp: 83661

Ion Ratio Lower Upper

43 100

58 36.6 30.2 45.2



#52

Toluene

Concen: 11.057 ug/l

RT: 7.64 min Scan# 2010

Delta R.T. -0.00 min

Lab File: VU028682.D

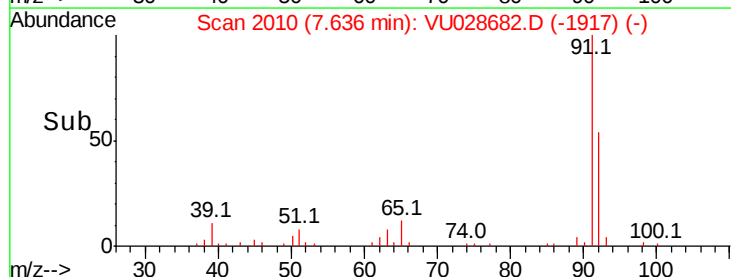
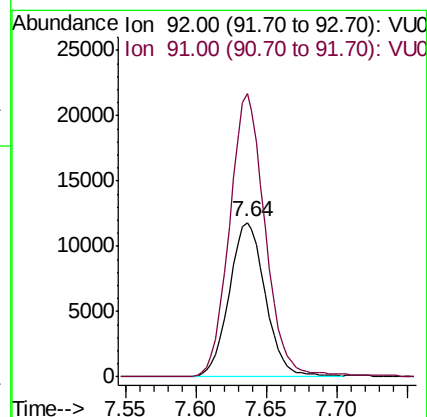
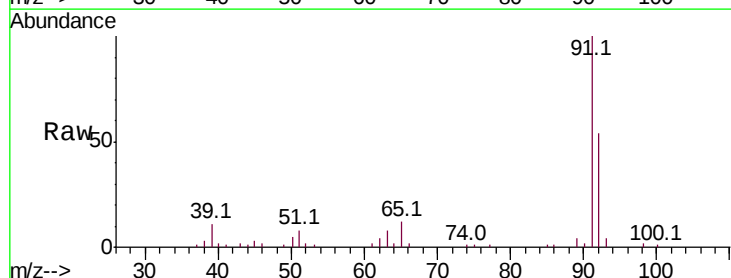
Acq: 14 Dec 2018 14:50

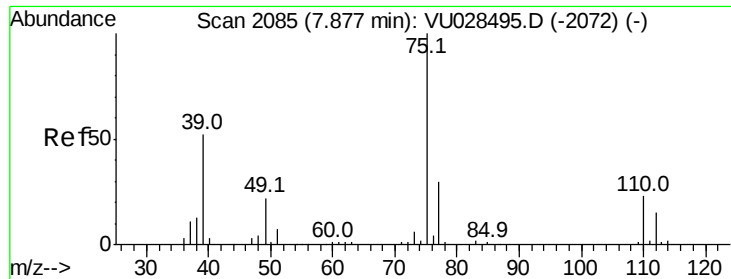
Tgt Ion: 92 Resp: 21197

Ion Ratio Lower Upper

92 100

91 180.5 140.2 210.4





#53

t-1,3-Dichloropropene

Concen: 11.370 ug/l

RT: 7.88 min Scan# 2086

Delta R.T. 0.00 min

Lab File: VU028682.D

Acq: 14 Dec 2018 14:50

Instrument :

MSVOA_U

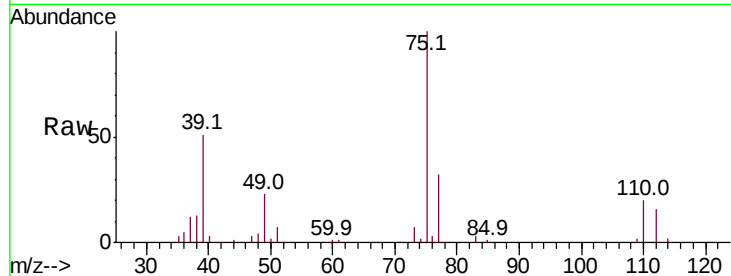
ClientSampleId :

Tot Ion: 75 Resp: 14322

Ion Ratio Lower Upper

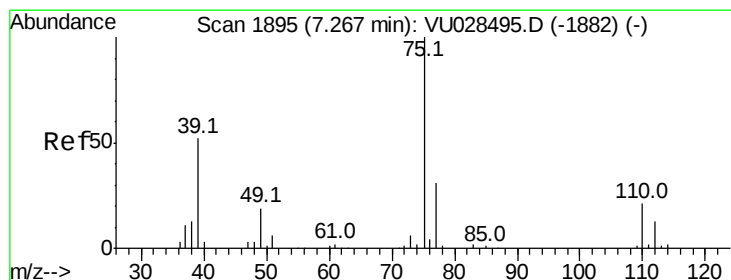
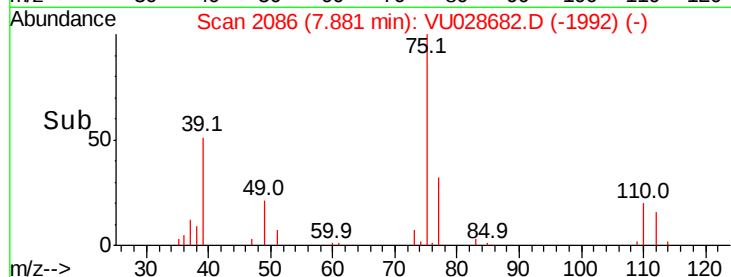
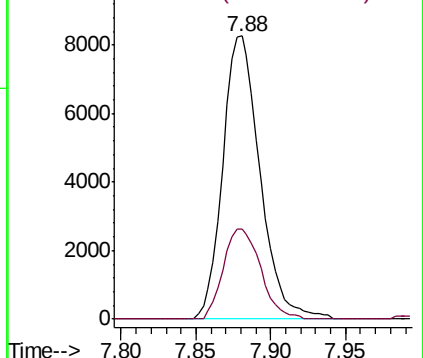
75 100

77 31.8 24.2 36.4



Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 76.90 (76.60 to 77.60): VU0



#54

cis-1,3-Dichloropropene

Concen: 11.100 ug/l

RT: 7.27 min Scan# 1896

Delta R.T. 0.00 min

Lab File: VU028682.D

Acq: 14 Dec 2018 14:50

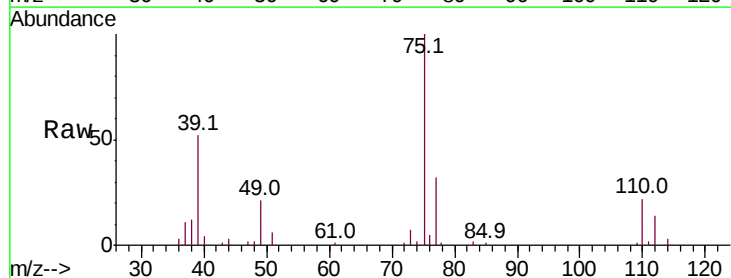
Tgt Ion: 75 Resp: 15169

Ion Ratio Lower Upper

75 100

77 32.0 25.0 37.4

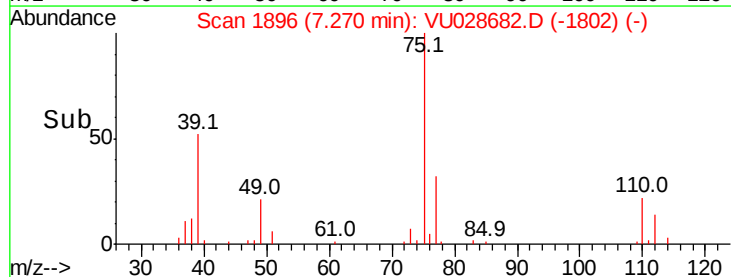
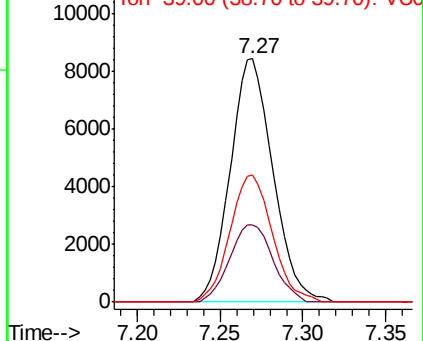
39 52.4 41.3 61.9

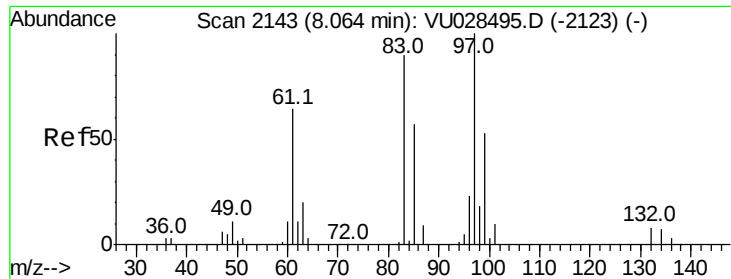


Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 76.90 (76.60 to 77.60): VU0

Ion 39.00 (38.70 to 39.70): VU0



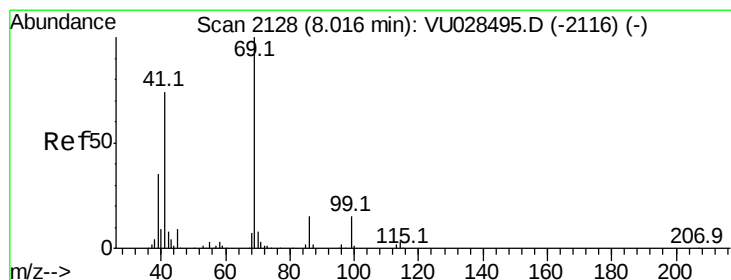
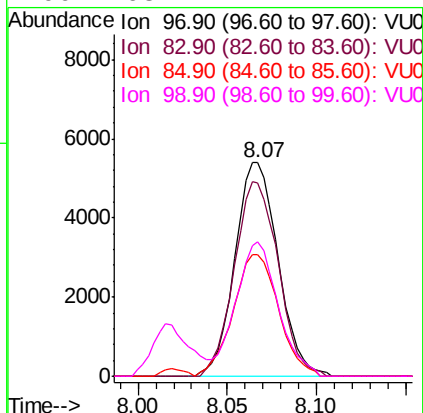
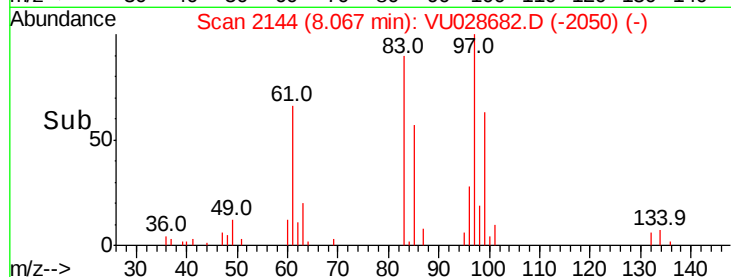
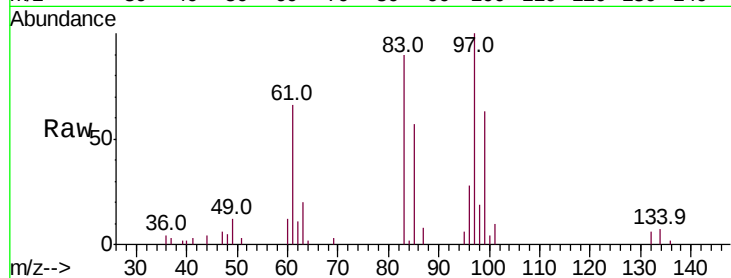


#55
 1,1,2-Trichloroethane
 Concen: 12.019 ug/l
 RT: 8.07 min Scan# 2144
 Delta R.T. 0.00 min
 Lab File: VU028682.D
 Acq: 14 Dec 2018 14:50

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion: 97 Resp: 9108

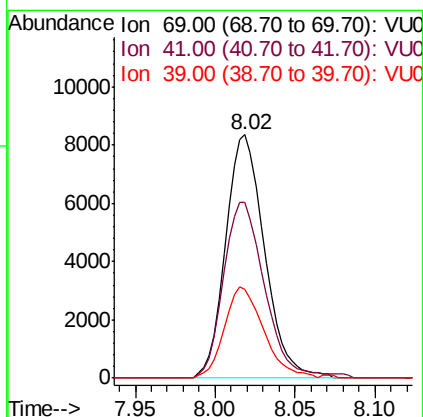
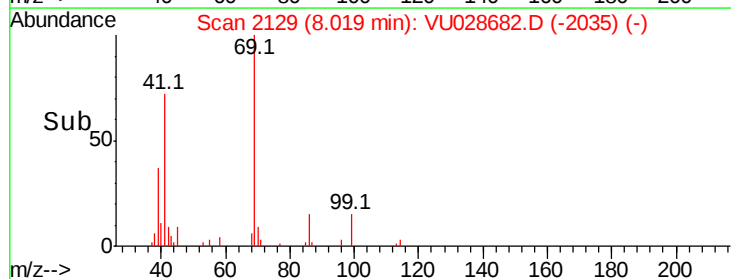
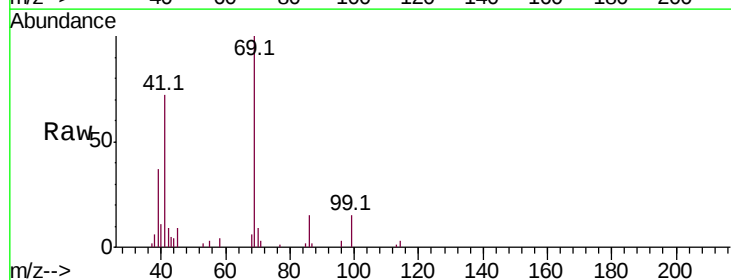
Ion	Ratio	Lower	Upper
97	100		
83	90.4	72.4	108.6
85	56.8	46.0	69.0
99	63.1	47.4	71.2

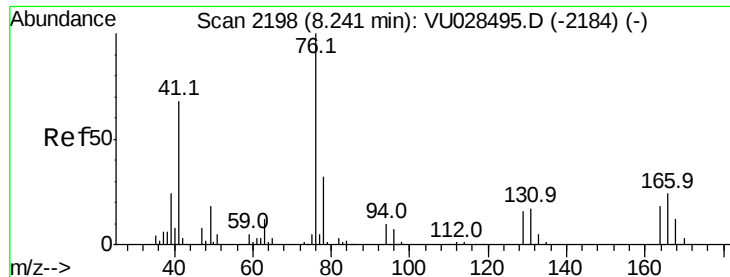


#56
 Ethyl methacrylate
 Concen: 10.688 ug/l
 RT: 8.02 min Scan# 2129
 Delta R.T. 0.00 min
 Lab File: VU028682.D
 Acq: 14 Dec 2018 14:50

Tgt Ion: 69 Resp: 13870

Ion	Ratio	Lower	Upper
69	100		
41	76.4	59.1	88.7
39	37.9	28.4	42.6





#57

1,3-Dichloropropane

Concen: 11.593 ug/l

RT: 8.24 min Scan# 2199

Delta R.T. 0.00 min

Lab File: VU028682.D

Acq: 14 Dec 2018 14:50

Instrument :

MSVOA_U

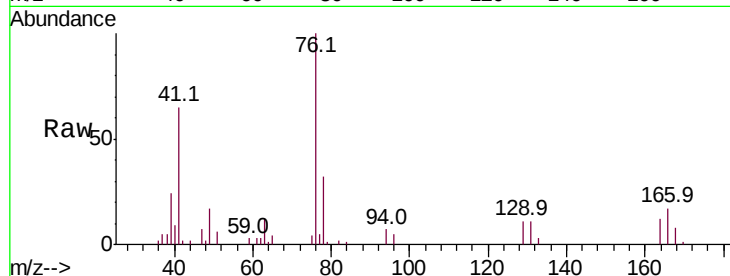
ClientSampleId :

Tot Ion: 76 Resp: 16308

Ion Ratio Lower Upper

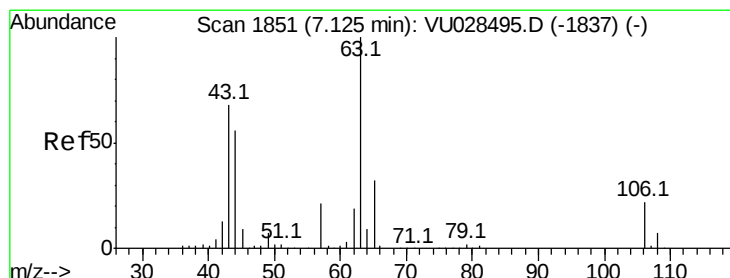
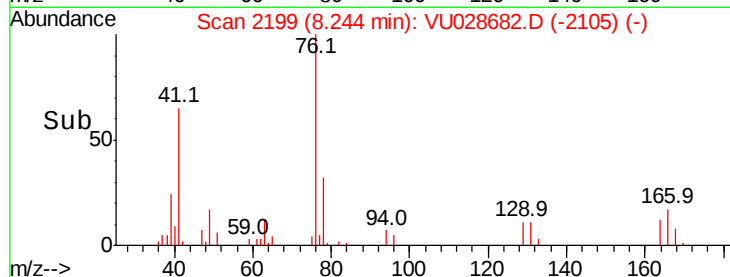
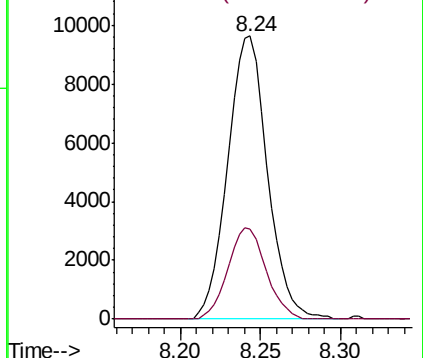
76 100

78 30.9 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: 50.615 ug/l

RT: 7.13 min Scan# 1852

Delta R.T. 0.00 min

Lab File: VU028682.D

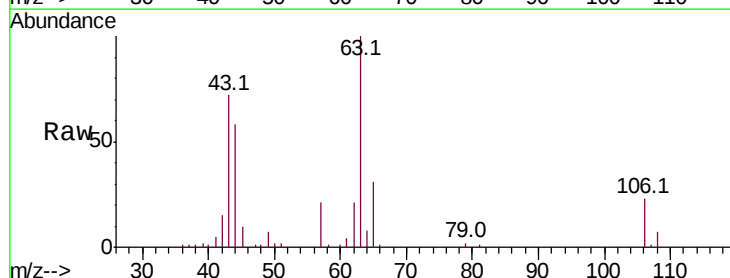
Acq: 14 Dec 2018 14:50

Tgt Ion: 63 Resp: 33644

Ion Ratio Lower Upper

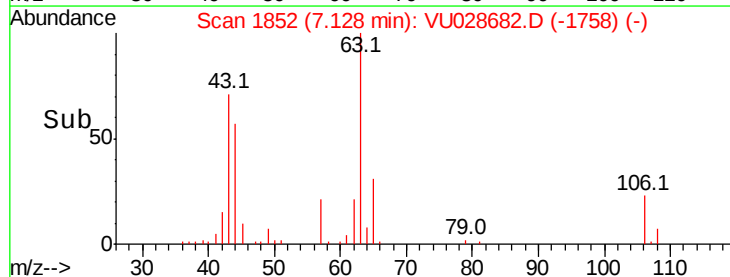
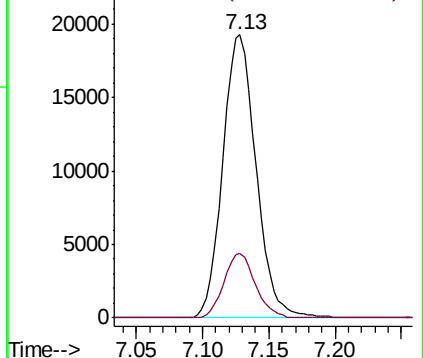
63 100

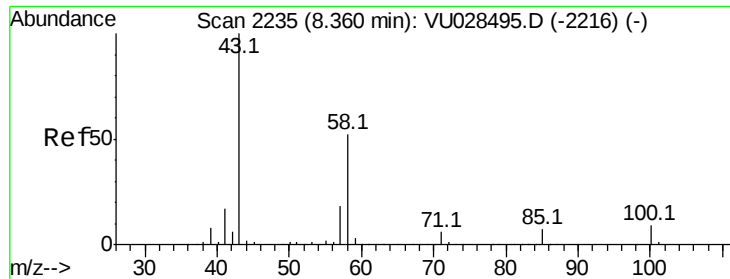
106 21.4 17.8 26.6



Abundance Ion 62.90 (62.60 to 63.60): VU0

Ion 105.90 (105.60 to 106.60): V

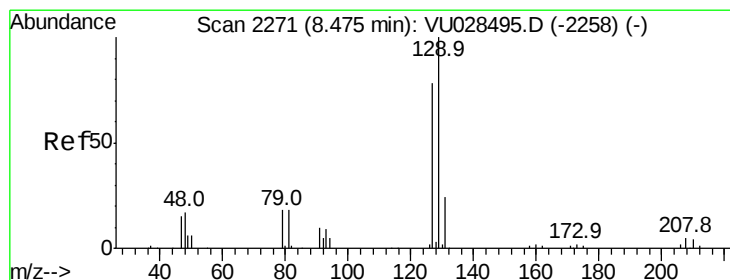
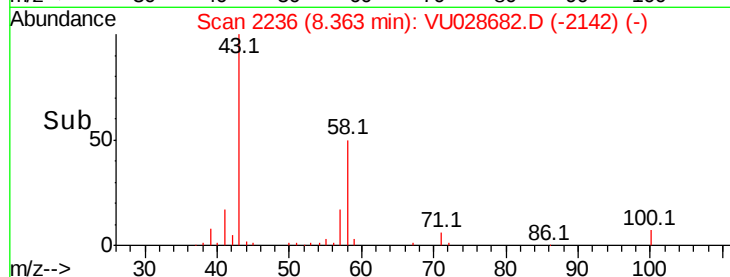
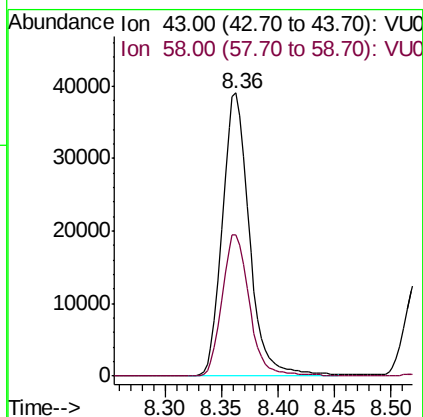
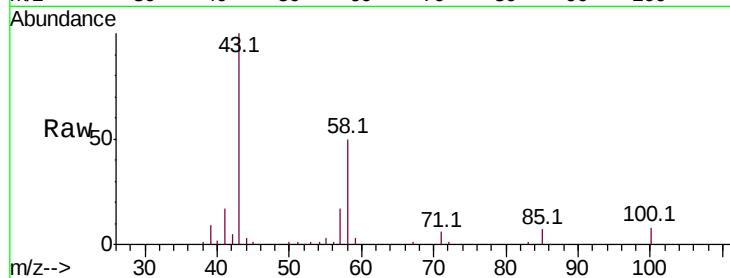




#59
2-Hexanone
Concen: 57.751 ug/l
RT: 8.36 min Scan# 2236
Delta R.T. 0.00 min
Lab File: VU028682.D
Acq: 14 Dec 2018 14:50

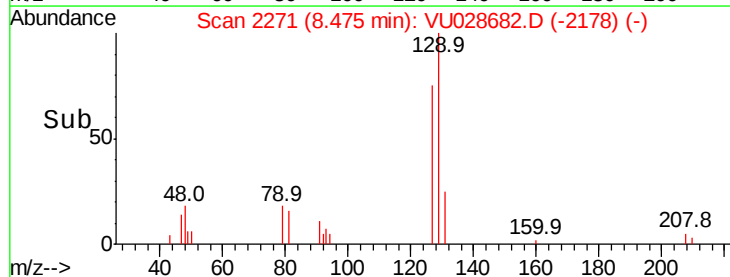
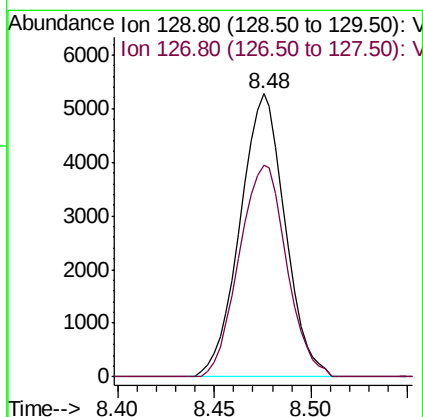
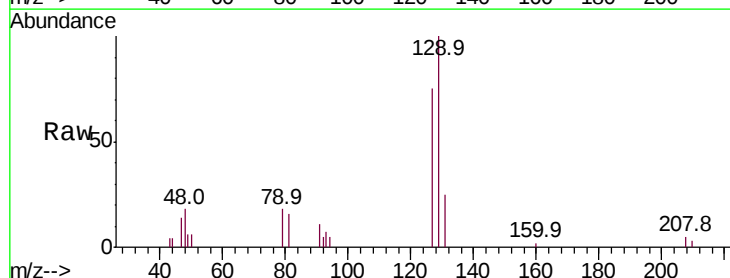
Instrument :
MSVOA_U
ClientSampleId :

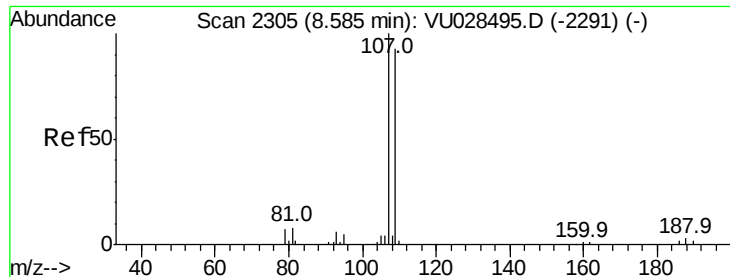
Tot Ion: 43 Resp: 65289
Ion Ratio Lower Upper
43 100
58 50.3 25.9 77.6



#60
Dibromochloromethane
Concen: 11.522 ug/l
RT: 8.48 min Scan# 2271
Delta R.T. -0.00 min
Lab File: VU028682.D
Acq: 14 Dec 2018 14:50

Tgt Ion: 129 Resp: 8549
Ion Ratio Lower Upper
129 100
127 78.7 39.1 117.3





#61

1,2-Dibromoethane

Concen: 12.018 ug/l

RT: 8.58 min Scan# 2305

Delta R.T. -0.00 min

Lab File: VU028682.D

Acq: 14 Dec 2018 14:50

Instrument :

MSVOA_U

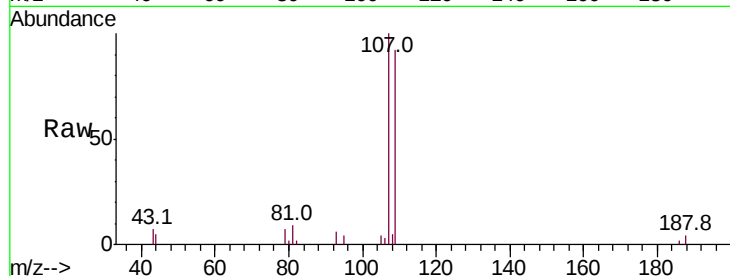
ClientSampleId :

Tot Ion:107 Resp: 9551

Ion Ratio Lower Upper

107 100

109 90.5 74.5 111.7



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

8.58

6000

5000

4000

3000

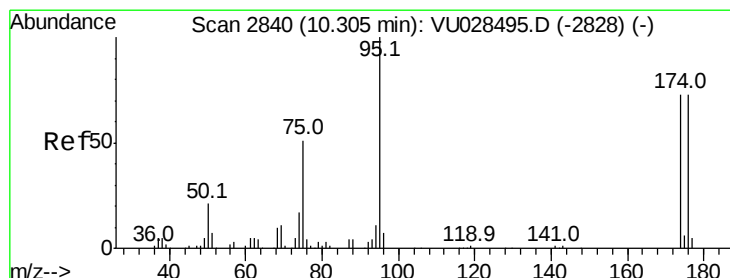
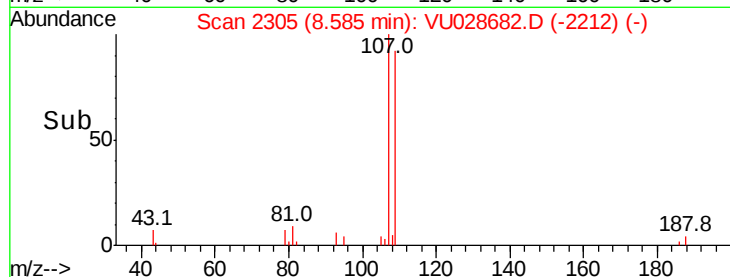
2000

1000

0

8.55 8.60 8.65

Time-->



#62

4-Bromofluorobenzene

Concen: 29.204 ug/l

RT: 10.30 min Scan# 2840

Delta R.T. -0.00 min

Lab File: VU028682.D

Acq: 14 Dec 2018 14:50

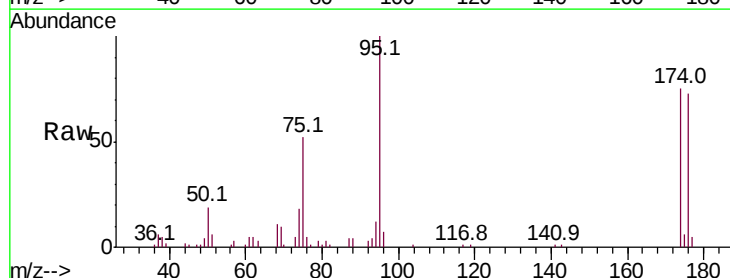
Tgt Ion: 95 Resp: 27465

Ion Ratio Lower Upper

95 100

174 77.0 0.0 150.4

176 74.0 0.0 145.2



Abundance Ion 94.90 (94.60 to 95.60): VU0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

10.30

20000

15000

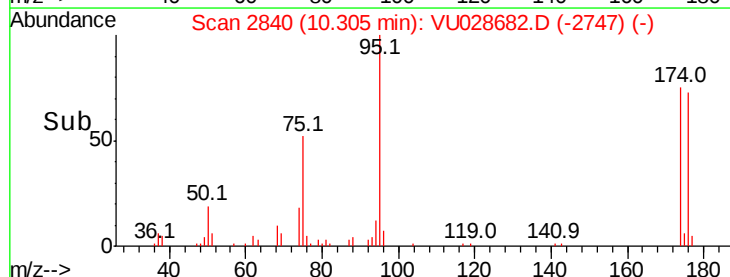
10000

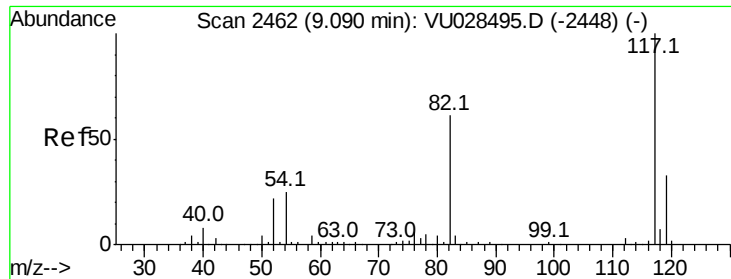
5000

0

10.25 10.30 10.35 10.40

Time-->

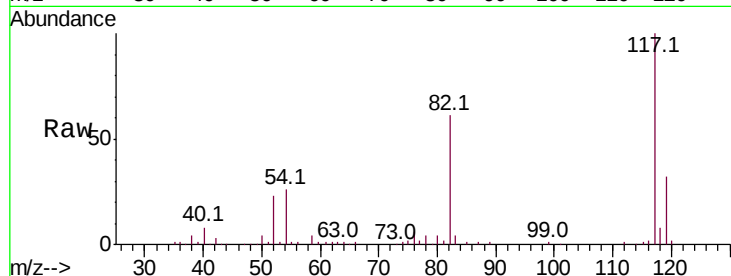




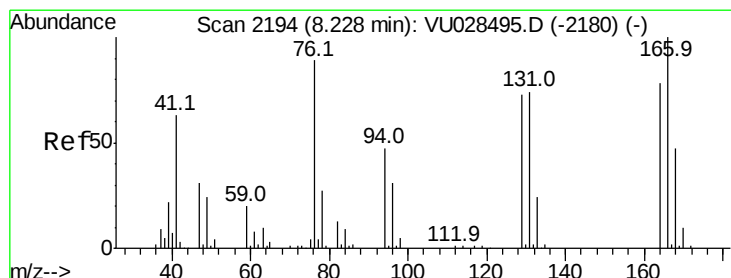
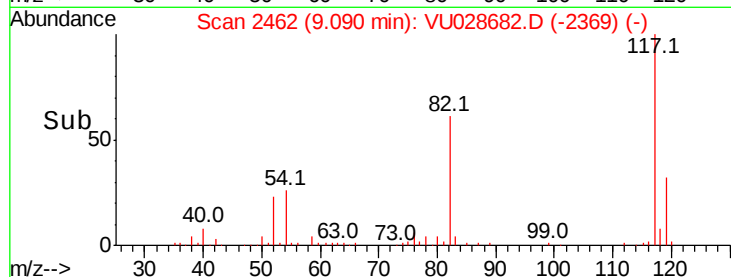
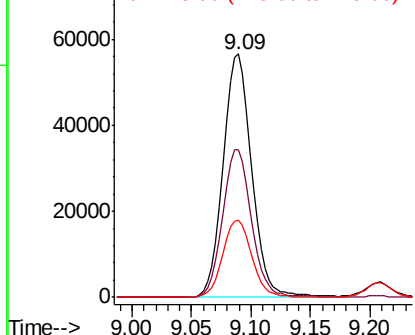
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.09 min Scan# 2462
Delta R.T. -0.00 min
Lab File: VU028682.D
Acq: 14 Dec 2018 14:50

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion:117 Resp: 94469
Ion Ratio Lower Upper
117 100
82 60.7 48.9 73.3
119 31.7 26.2 39.4

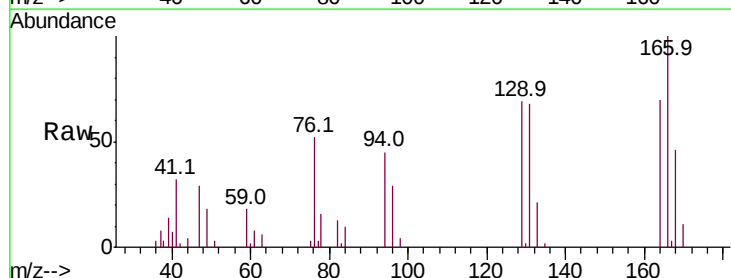


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

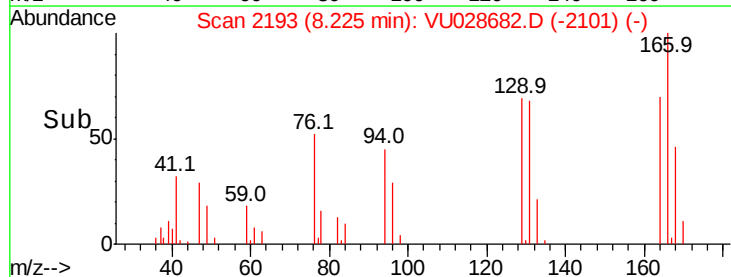
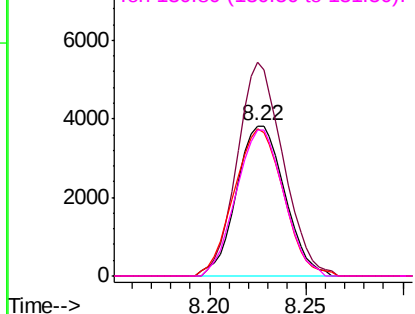


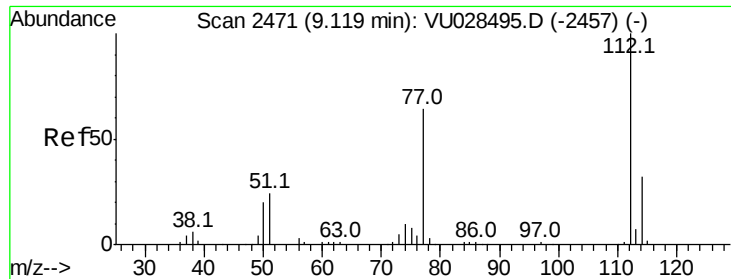
#64
Tetrachloroethene
Concen: 10.526 ug/l
RT: 8.22 min Scan# 2193
Delta R.T. -0.00 min
Lab File: VU028682.D
Acq: 14 Dec 2018 14:50

Tgt Ion:164 Resp: 6633
Ion Ratio Lower Upper
164 100
166 142.3 101.9 152.9
129 97.7 74.9 112.3
131 97.3 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

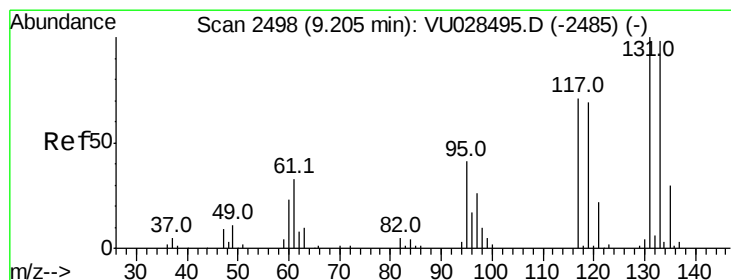
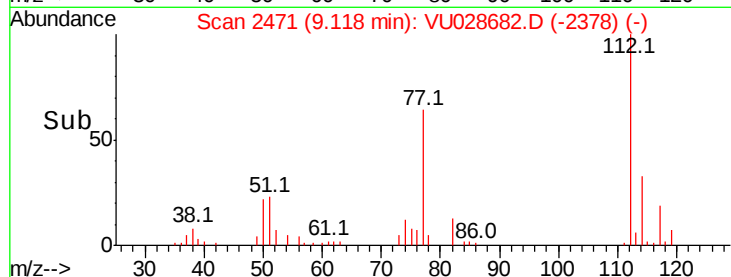
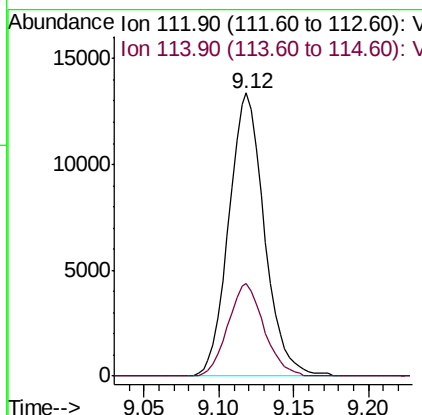
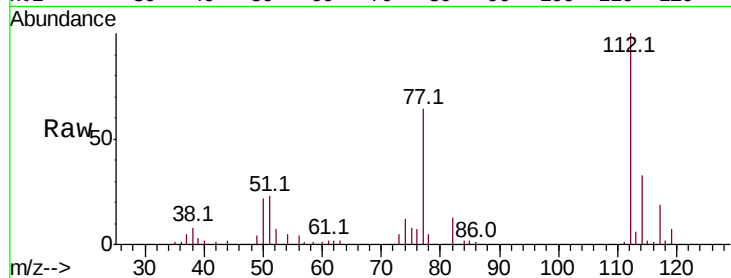




#65
Chlorobenzene
Concen: 10.983 ug/l
RT: 9.12 min Scan# 2471
Delta R.T. -0.00 min
Lab File: VU028682.D
Acq: 14 Dec 2018 14:50

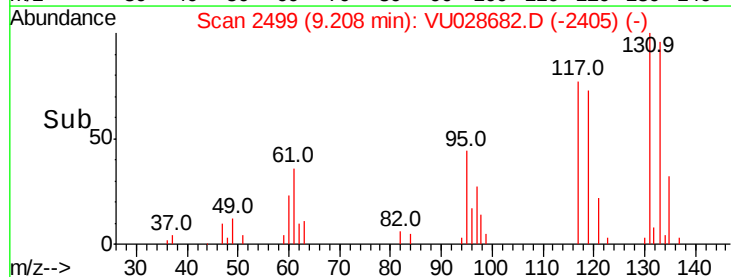
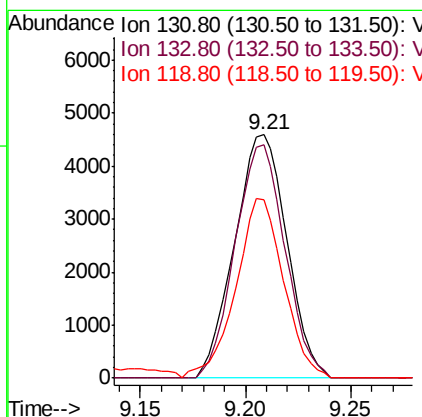
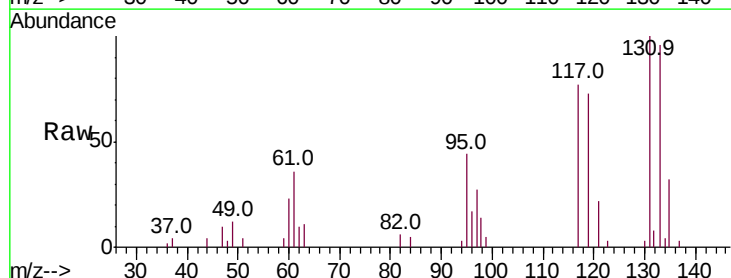
Instrument :
MSVOA_U
ClientSampled :

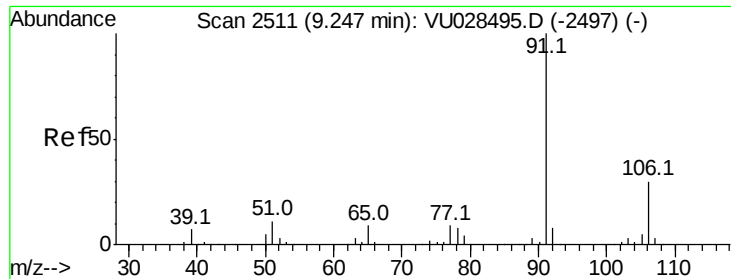
Tot Ion:112 Resp: 22110
Ion Ratio Lower Upper
112 100
114 32.7 25.3 37.9



#66
1,1,1,2-Tetrachloroethane
Concen: 12.300 ug/l
RT: 9.21 min Scan# 2499
Delta R.T. 0.00 min
Lab File: VU028682.D
Acq: 14 Dec 2018 14:50

Tgt Ion:131 Resp: 7907
Ion Ratio Lower Upper
131 100
133 91.7 48.0 144.0
119 67.3 34.6 103.9

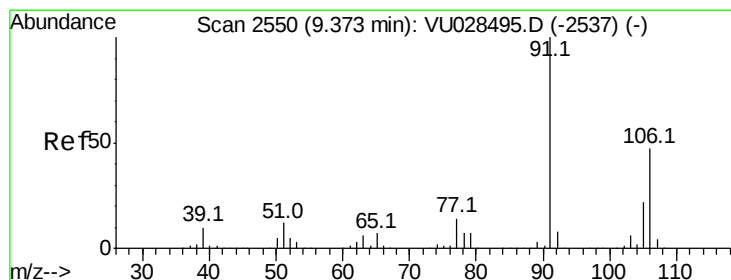
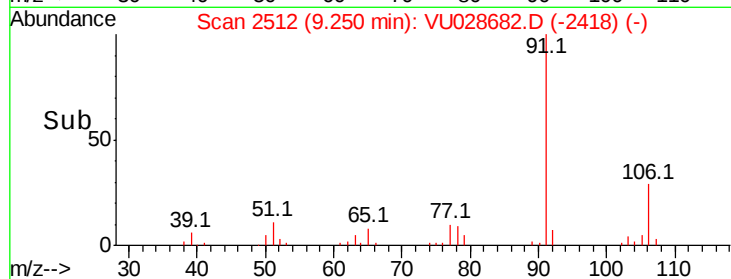
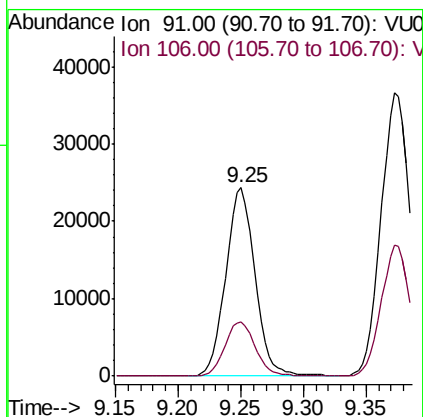
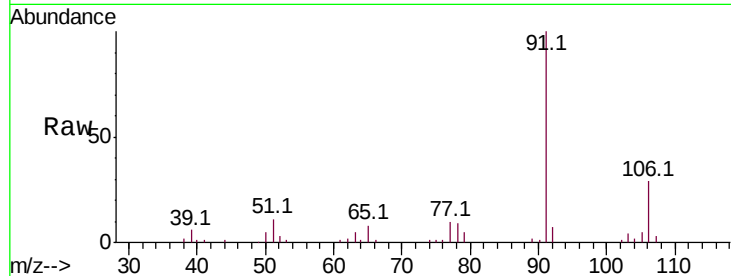




#67
Ethyl Benzene
Concen: 10.694 ug/l
RT: 9.25 min Scan# 2512
Delta R.T. 0.00 min
Lab File: VU028682.D
Acq: 14 Dec 2018 14:50

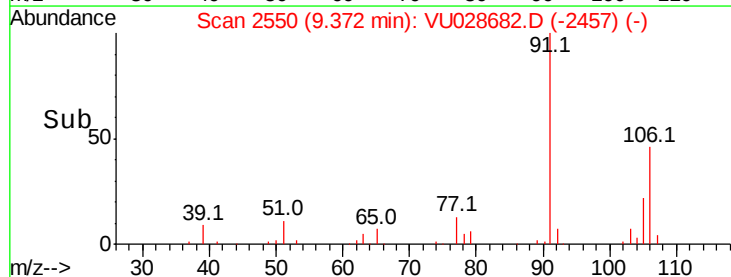
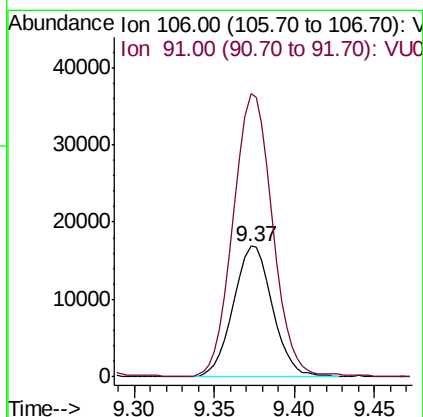
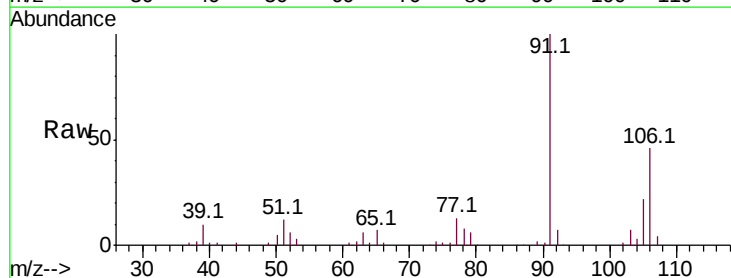
Instrument :
MSVOA_U
ClientSampleId :

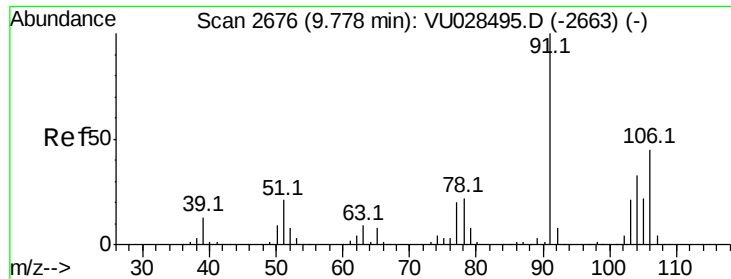
Tot Ion: 91 Resp: 39574
Ion Ratio Lower Upper
91 100
106 28.7 24.1 36.1



#68
m/p-Xylenes
Concen: 21.002 ug/l
RT: 9.37 min Scan# 2550
Delta R.T. -0.00 min
Lab File: VU028682.D
Acq: 14 Dec 2018 14:50

Tgt Ion: 106 Resp: 28280
Ion Ratio Lower Upper
106 100
91 218.4 167.4 251.0

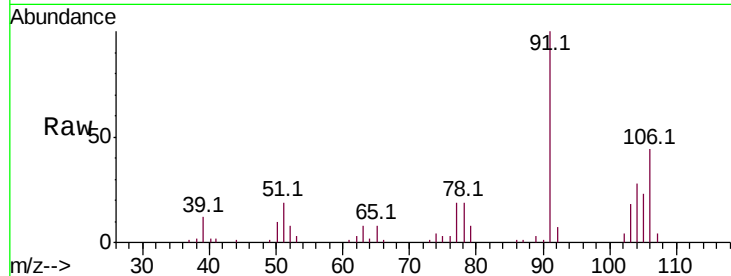




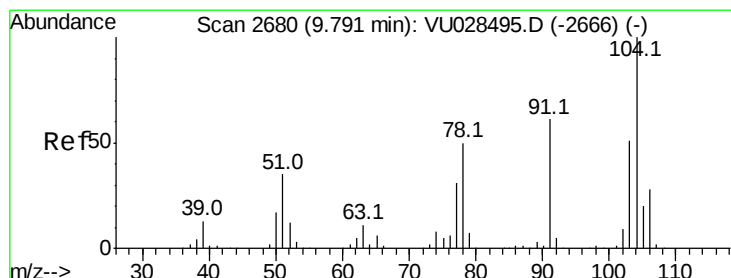
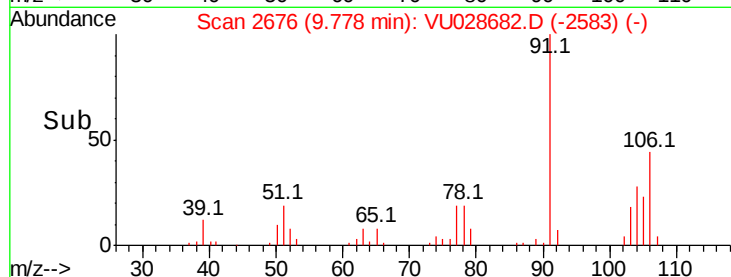
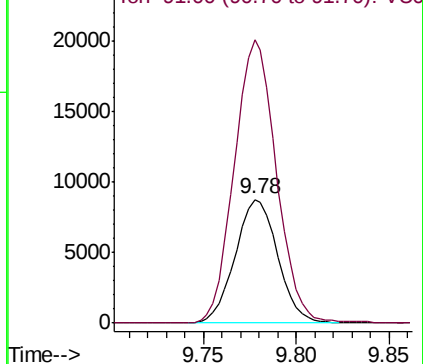
#69
o-Xylene
Concen: 10.650 ug/l
RT: 9.78 min Scan# 2676
Delta R.T. -0.00 min
Lab File: VU028682.D
Acq: 14 Dec 2018 14:50

Instrument :
MSVOA_U
ClientSampled :

Tot Ion:106 Resp: 13936
Ion Ratio Lower Upper
106 100
91 226.4 111.3 334.0

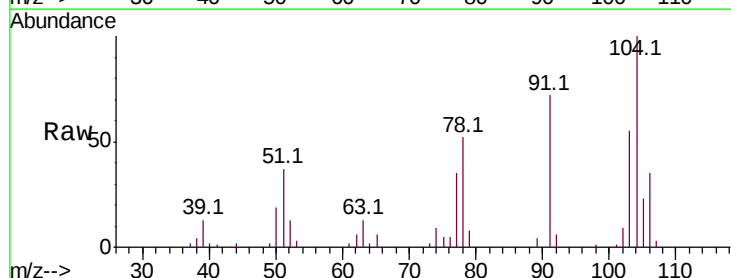


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VU0

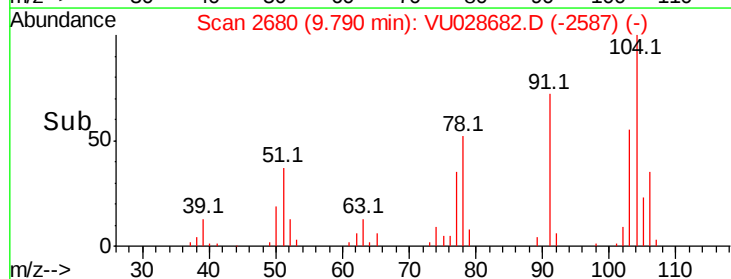
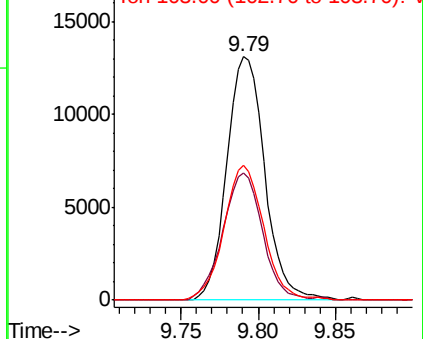


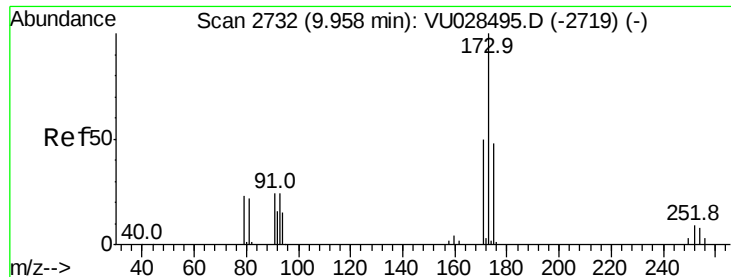
#70
Styrene
Concen: 10.296 ug/l
RT: 9.79 min Scan# 2680
Delta R.T. -0.00 min
Lab File: VU028682.D
Acq: 14 Dec 2018 14:50

Tgt Ion:104 Resp: 22296
Ion Ratio Lower Upper
104 100
78 54.4 43.0 64.6
103 58.0 44.2 66.4



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





#71

Bromoform

Concen: 11.855 ug/l

RT: 9.96 min Scan# 2732

Delta R.T. -0.00 min

Lab File: VU028682.D

Acq: 14 Dec 2018 14:50

Instrument :

MSVOA_U

ClientSampleId :

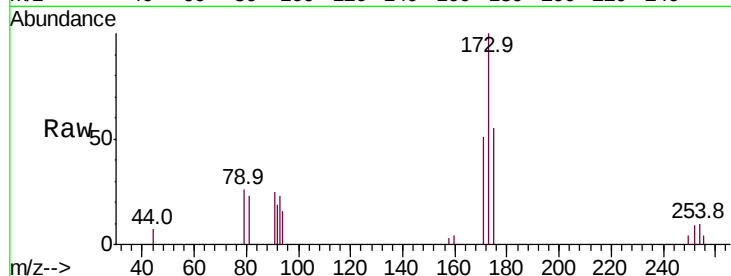
Tot Ion:173 Resp: 6483

Ion Ratio Lower Upper

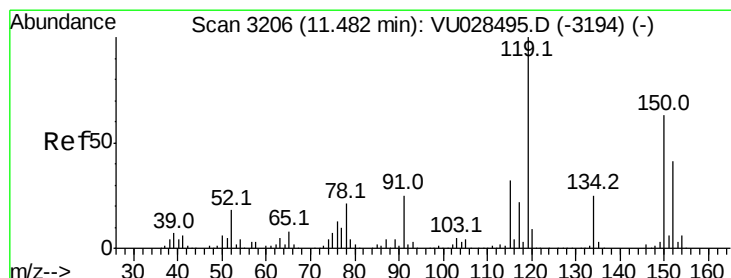
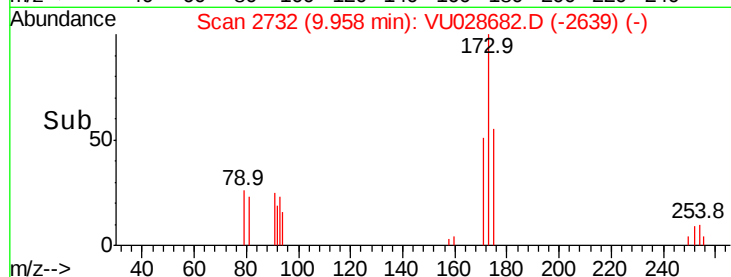
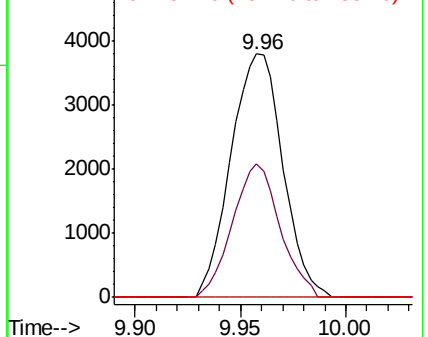
173 100

175 50.0 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: VU028682.D

Acq: 14 Dec 2018 14:50

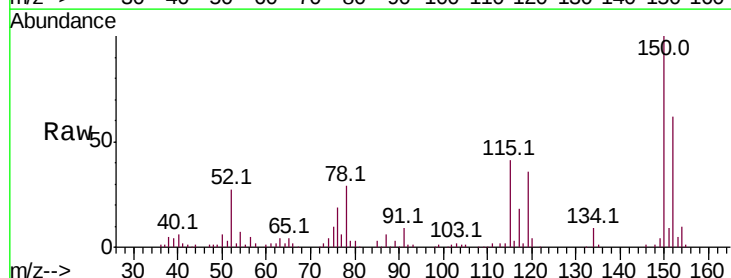
Tgt Ion:152 Resp: 44026

Ion Ratio Lower Upper

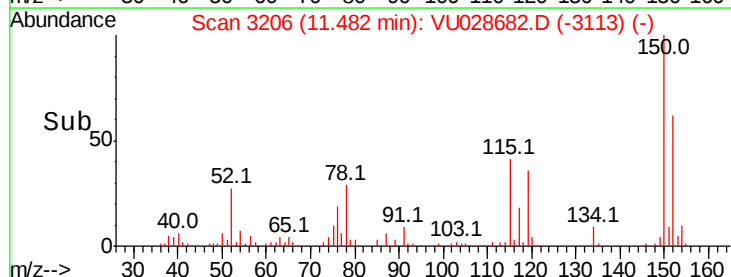
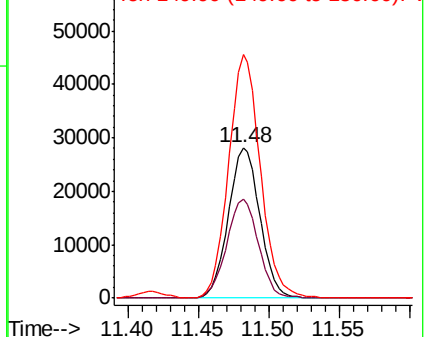
152 100

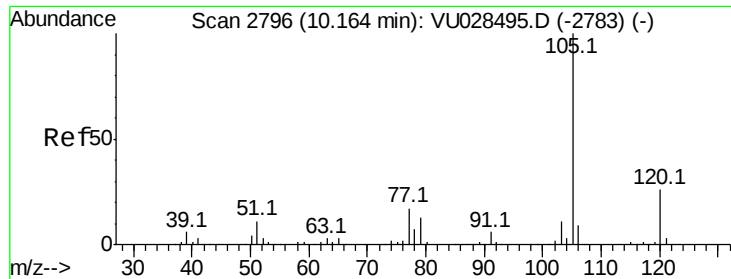
115 66.3 42.7 128.1

150 163.3 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: 10.772 ug/l

RT: 10.17 min Scan# 2797

Delta R.T. 0.00 min

Lab File: VU028682.D

Acq: 14 Dec 2018 14:50

Instrument :

MSVOA_U

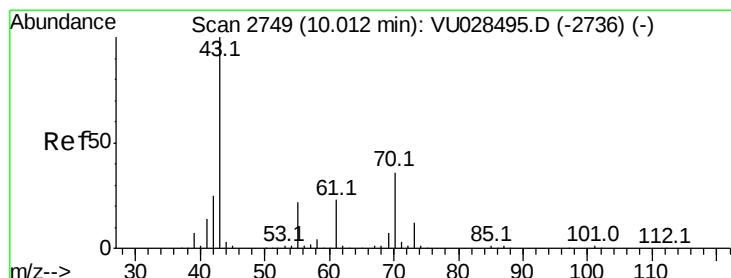
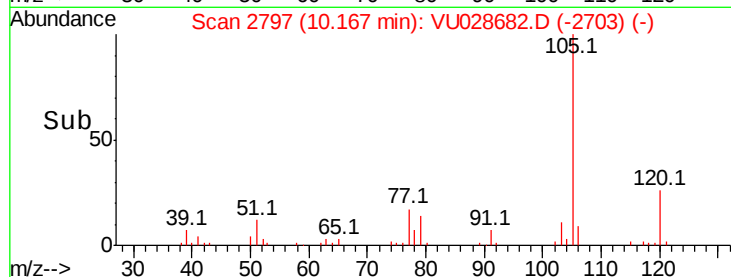
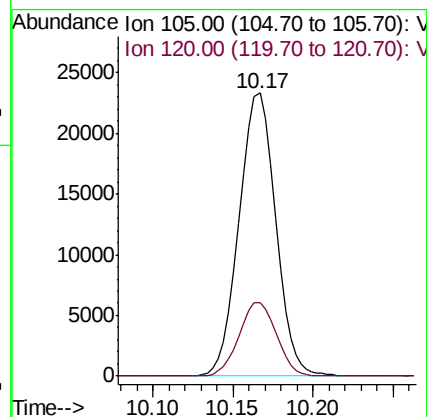
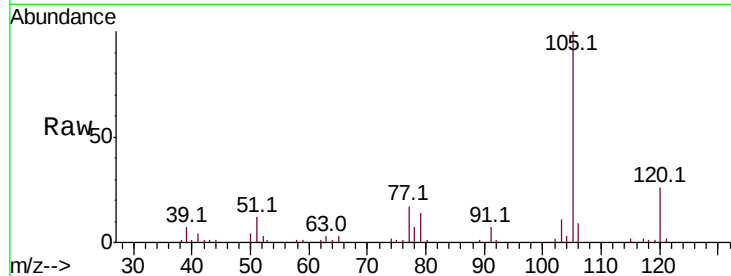
ClientSampleId :

Tot Ion:105 Resp: 36392

Ion Ratio Lower Upper

105 100

120 26.4 12.9 38.6



#74

N-ethyl acetate

Concen: 11.236 ug/l

RT: 10.01 min Scan# 2749

Delta R.T. -0.00 min

Lab File: VU028682.D

Acq: 14 Dec 2018 14:50

Tgt Ion: 43 Resp: 21896

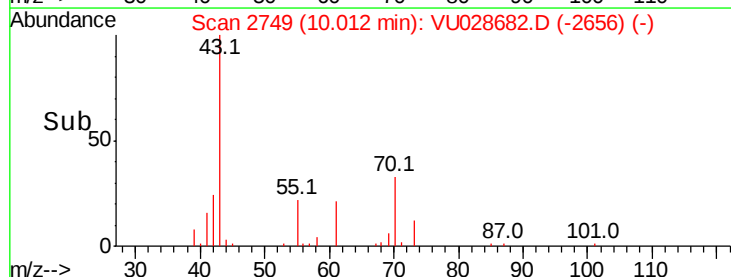
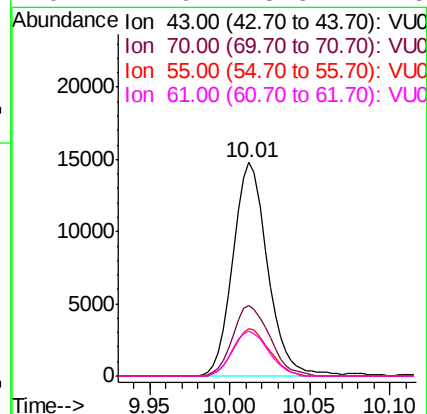
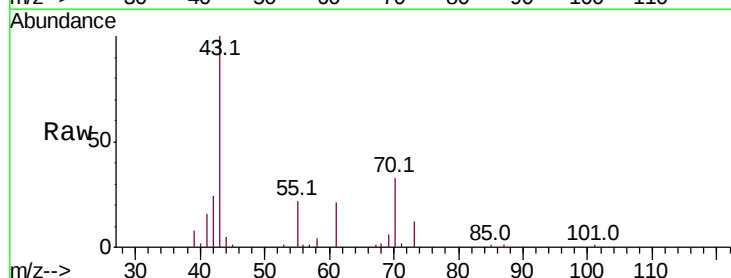
Ion Ratio Lower Upper

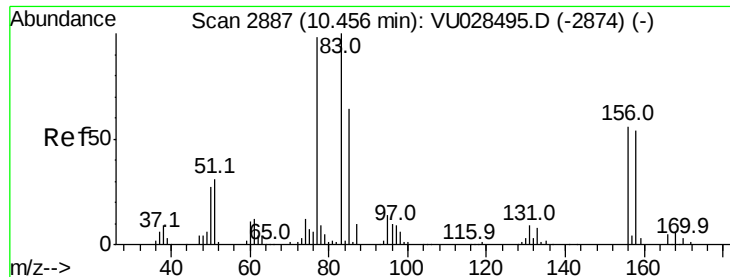
43 100

70 35.1 29.3 43.9

55 22.5 18.0 27.0

61 21.9 18.3 27.5





#75

1,1,2,2-Tetrachloroethane

Concen: 12.597 ug/l

RT: 10.46 min Scan# 2887

Delta R.T. -0.00 min

Lab File: VU028682.D

Acq: 14 Dec 2018 14:50

Instrument :

MSVOA_U

ClientSampled :

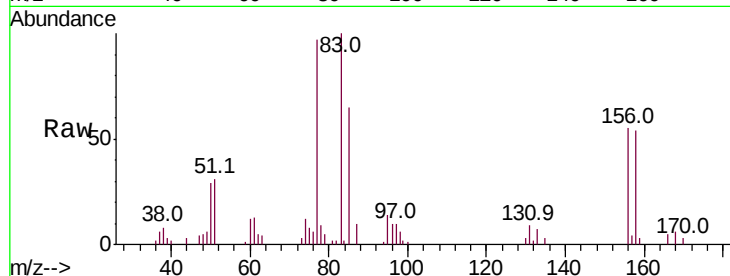
Tot Ion: 83 Resp: 16348

Ion Ratio Lower Upper

83 100

131 8.0 4.2 12.4

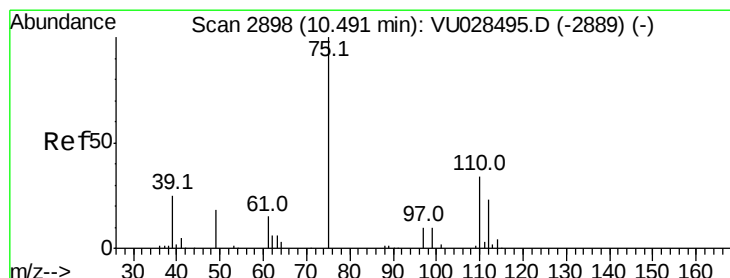
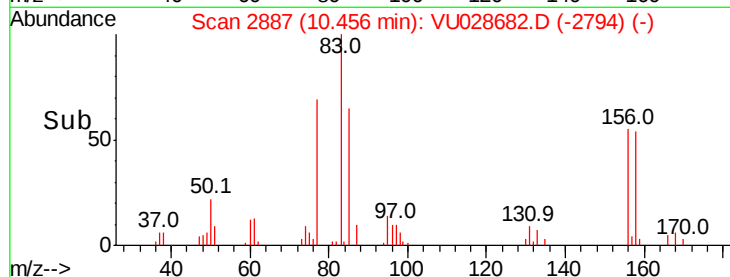
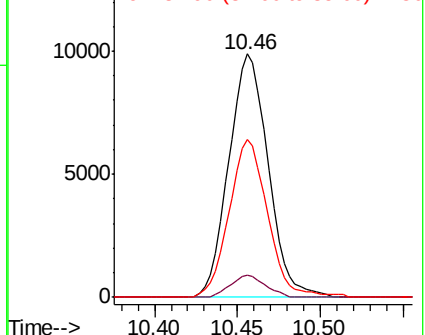
85 63.5 31.8 95.4



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

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

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



#76

1,2,3-Trichloropropane

Concen: 17.007 ug/l

RT: 10.49 min Scan# 2898

Delta R.T. -0.00 min

Lab File: VU028682.D

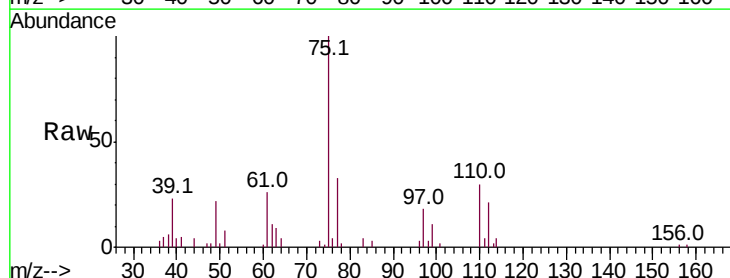
Acq: 14 Dec 2018 14:50

Tgt Ion: 75 Resp: 19120

Ion Ratio Lower Upper

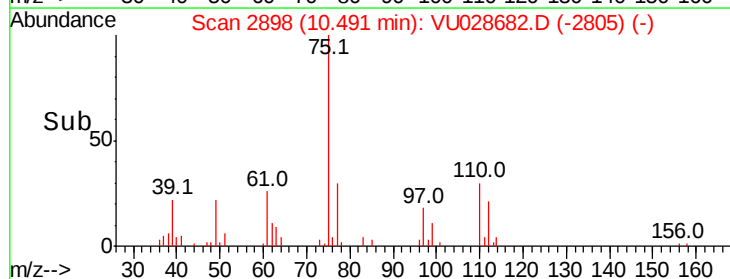
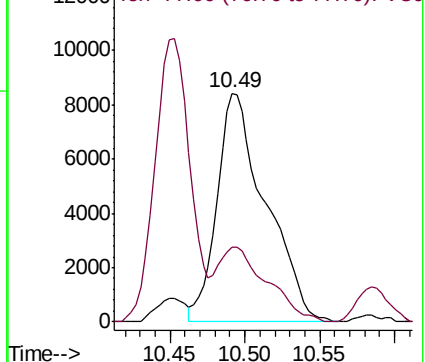
75 100

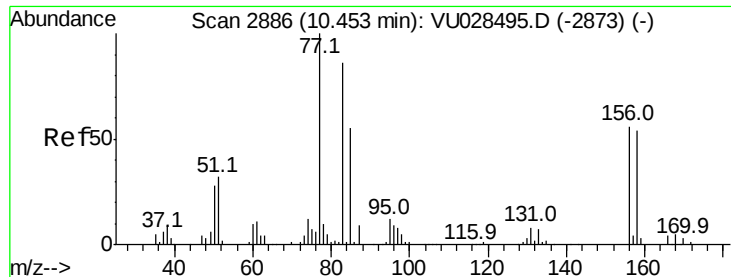
77 31.9 20.8 62.4



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

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





#77

Bromobenzene

Concen: 11.821 ug/l

RT: 10.45 min Scan# 2886

Delta R.T. -0.00 min

Lab File: VU028682.D

Acq: 14 Dec 2018 14:50

Instrument :

MSVOA_U

ClientSampleId :

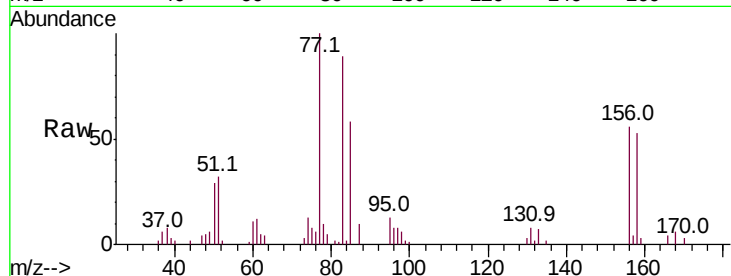
Tot Ion:156 Resp: 9340

Ion	Ratio	Lower	Upper
156	100		
77	181.8	92.4	277.2
158	96.3	48.4	145.3

156 100

77 181.8 92.4 277.2

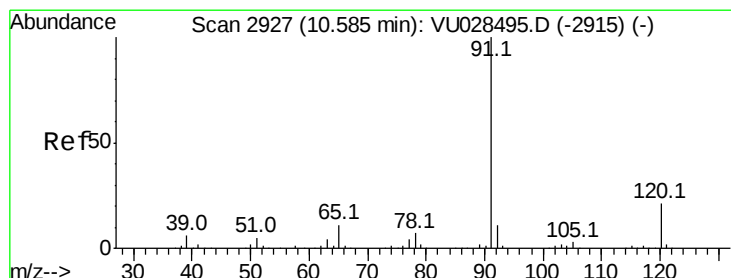
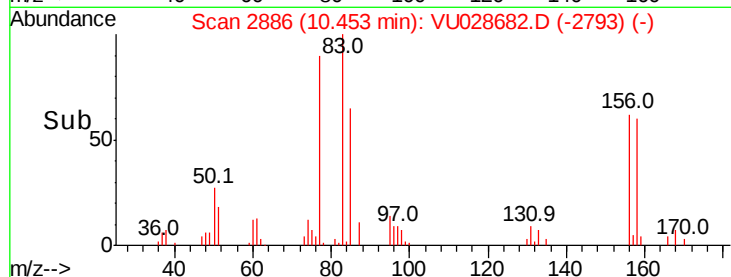
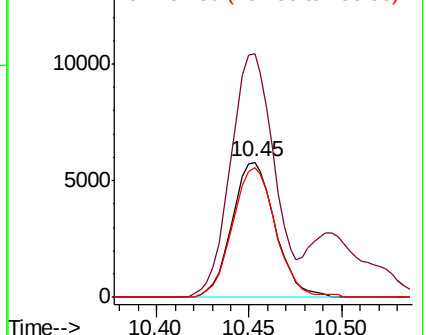
158 96.3 48.4 145.3



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.30): VU0

Ion 157.80 (157.50 to 158.10): V



#78

n-propylbenzene

Concen: 10.749 ug/l

RT: 10.58 min Scan# 2927

Delta R.T. -0.00 min

Lab File: VU028682.D

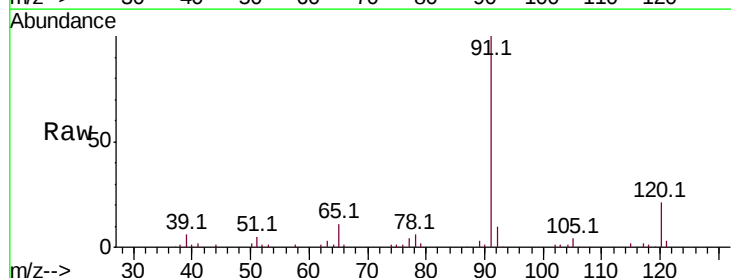
Acq: 14 Dec 2018 14:50

Tgt Ion: 91 Resp: 45123

Ion	Ratio	Lower	Upper
91	100		
120	20.7	10.6	31.8

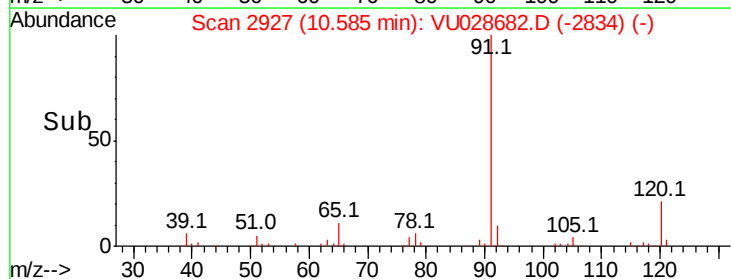
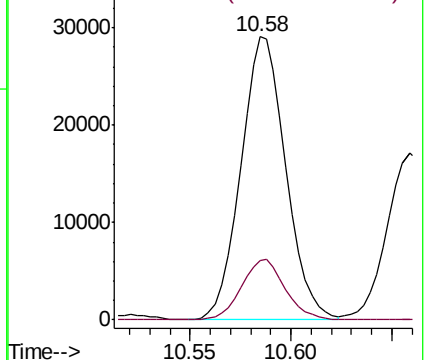
91 100

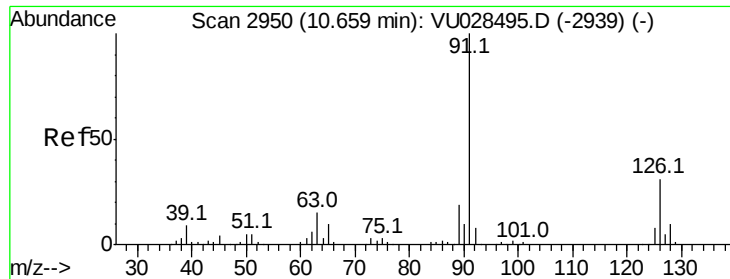
120 20.7 10.6 31.8



Abundance Ion 91.00 (90.70 to 91.30): VU0

Ion 120.00 (119.70 to 120.30): V

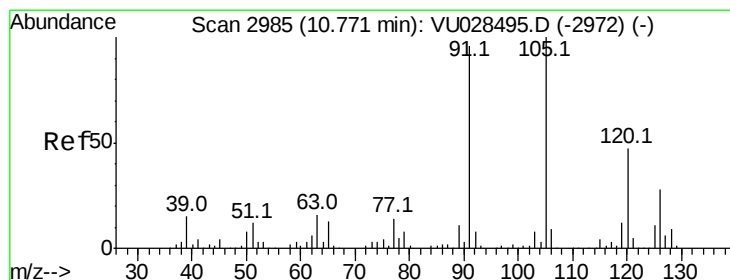
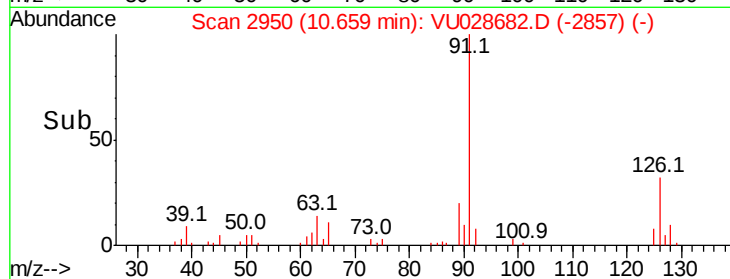
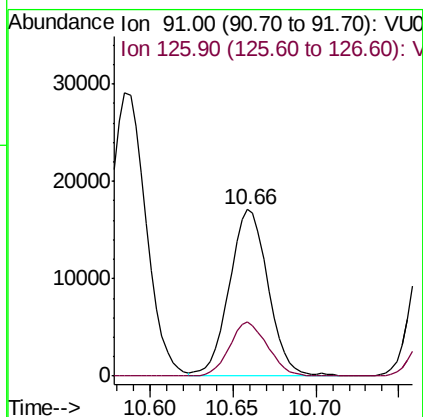
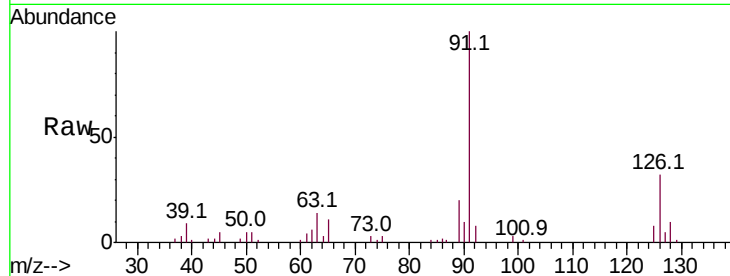




#79
 2-Chlorotoluene
 Concen: 11.543 ug/l
 RT: 10.66 min Scan# 2950
 Delta R.T. -0.00 min
 Lab File: VU028682.D
 Acq: 14 Dec 2018 14:50

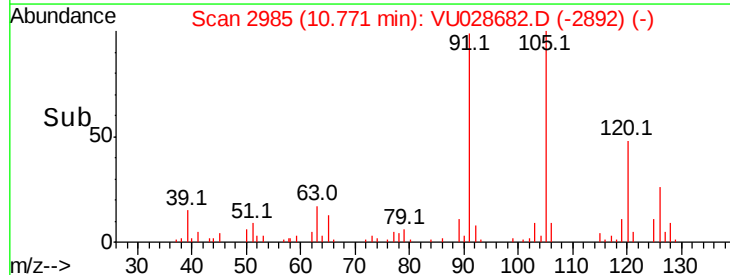
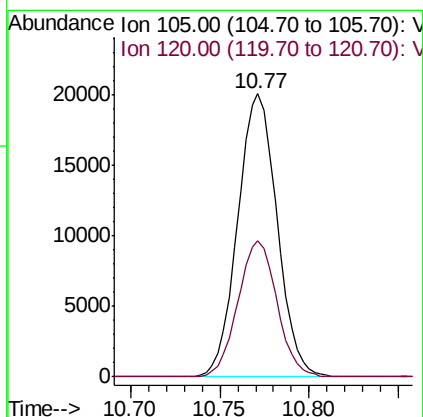
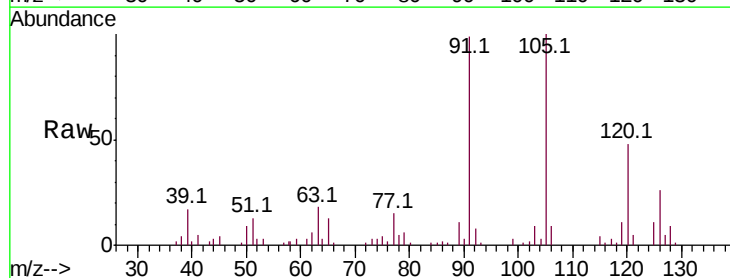
Instrument :
 MSVOA_U
 ClientSampled :

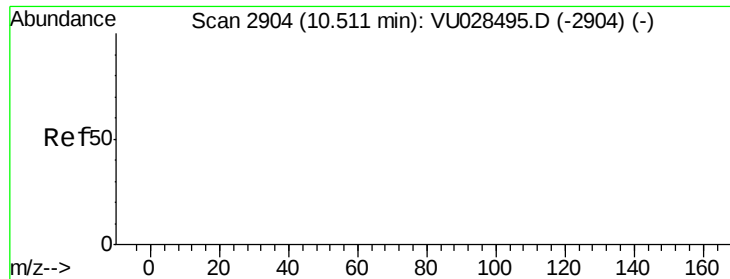
Tot Ion: 91 Resp: 27912
 Ion Ratio Lower Upper
 91 100
 126 31.7 15.6 46.8



#80
 1,3,5-Trimethylbenzene
 Concen: 11.043 ug/l
 RT: 10.77 min Scan# 2985
 Delta R.T. -0.00 min
 Lab File: VU028682.D
 Acq: 14 Dec 2018 14:50

Tgt Ion: 105 Resp: 30880
 Ion Ratio Lower Upper
 105 100
 120 47.5 23.7 71.1





#81

trans-1,4-Dichloro-2-butene

Concen: 41.902 ug/l

RT: 10.49 min Scan# 2898

Delta R.T. -0.02 min

Lab File: VU028682.D

Acq: 14 Dec 2018 14:50

Instrument :

MSVOA_U

ClientSampleId :

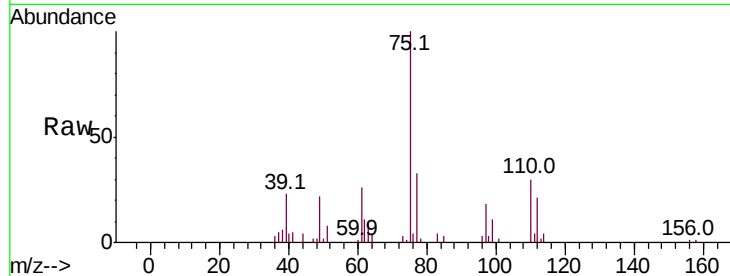
Tot Ion: 75 Resp: 19120

Ion Ratio Lower Upper

75 100

53 0.0 0.0 0.0

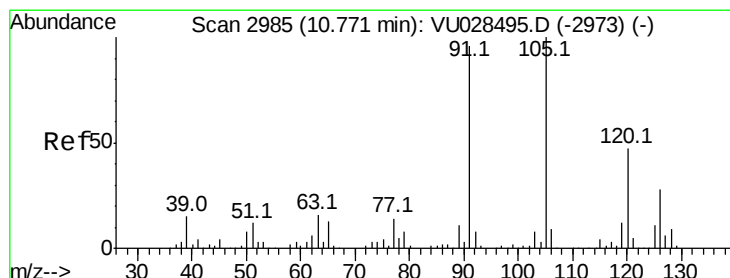
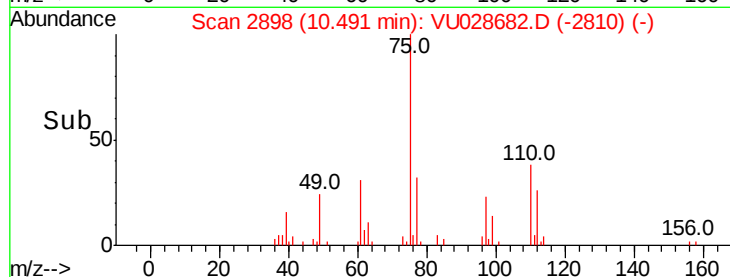
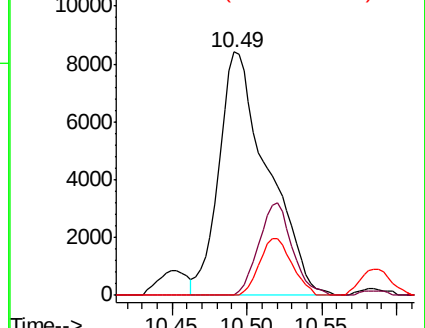
89 0.0 0.0 0.0



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: 11.007 ug/l

RT: 10.77 min Scan# 2985

Delta R.T. -0.00 min

Lab File: VU028682.D

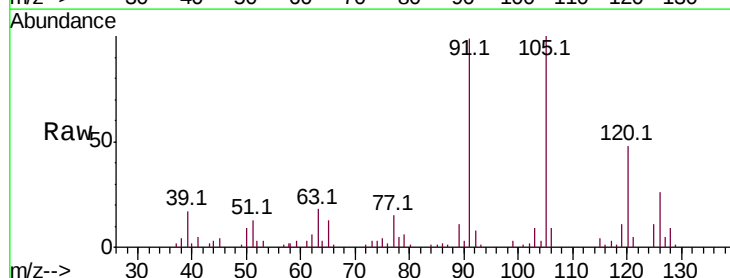
Acq: 14 Dec 2018 14:50

Tgt Ion: 91 Resp: 31541

Ion Ratio Lower Upper

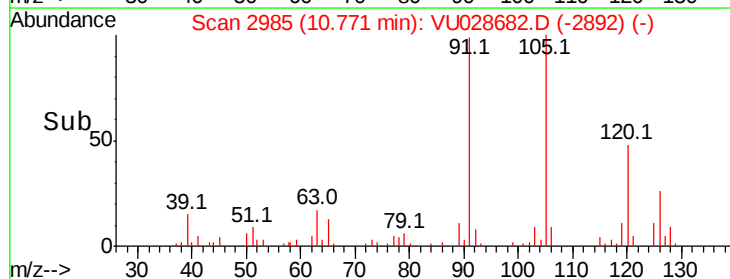
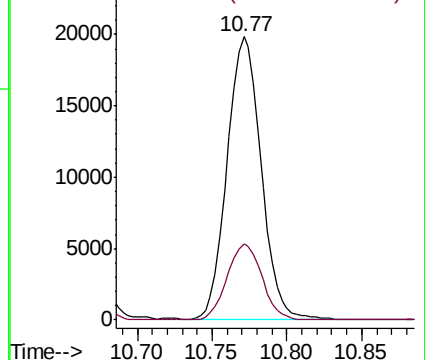
91 100

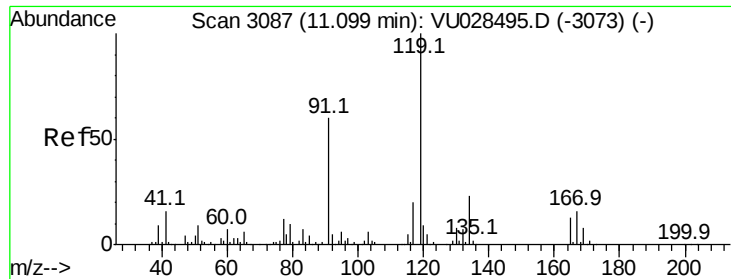
126 27.2 14.1 42.3



Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 125.90 (125.60 to 126.60): V

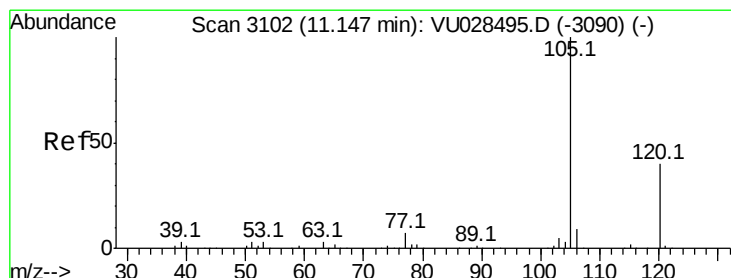
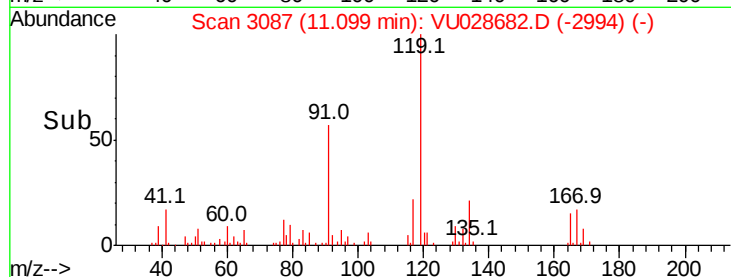
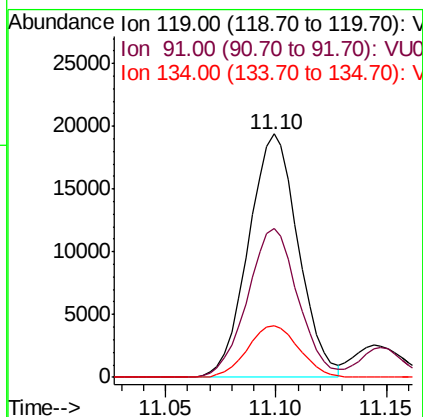
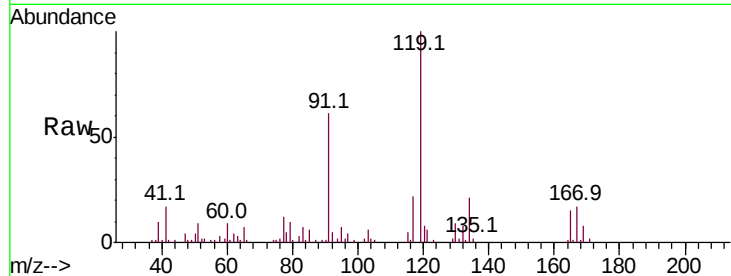




#83
tert-Butylbenzene
Concen: 11.282 ug/l
RT: 11.10 min Scan# 3087
Delta R.T. -0.00 min
Lab File: VU028682.D
Acq: 14 Dec 2018 14:50

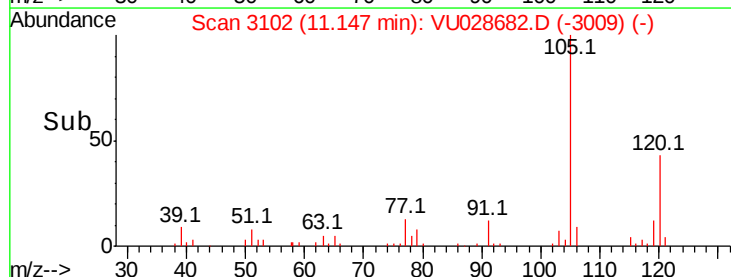
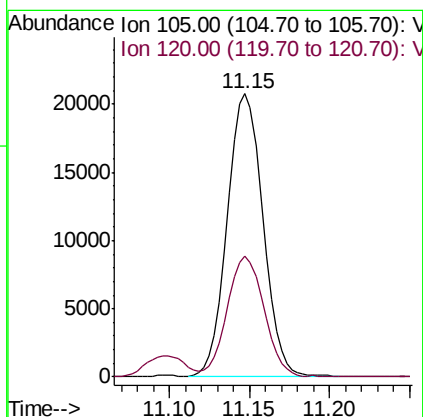
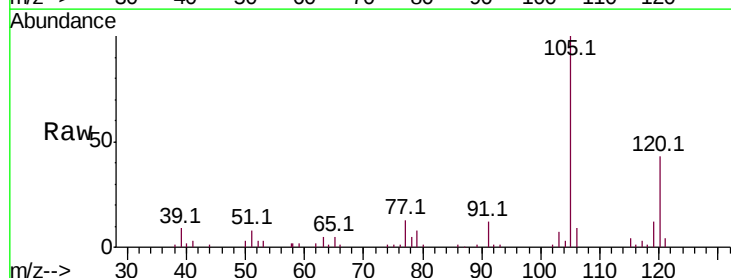
Instrument :
MSVOA_U
ClientSampled :

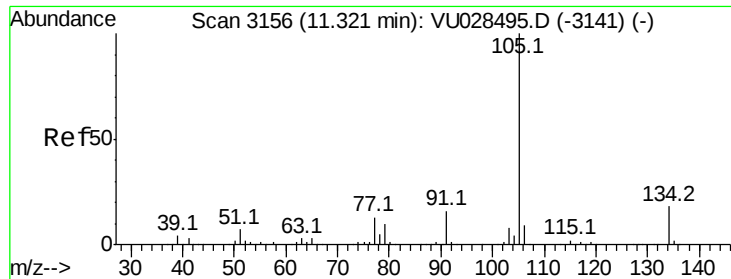
Tot Ion	Ratio	Lower	Upper
119	100		
91	62.1	30.3	91.0
134	22.0	11.2	33.5



#84
1,2,4-Trimethylbenzene
Concen: 10.983 ug/l
RT: 11.15 min Scan# 3102
Delta R.T. -0.00 min
Lab File: VU028682.D
Acq: 14 Dec 2018 14:50

Tgt Ion	Ratio	Lower	Upper
105	100		
120	44.0	21.8	65.4

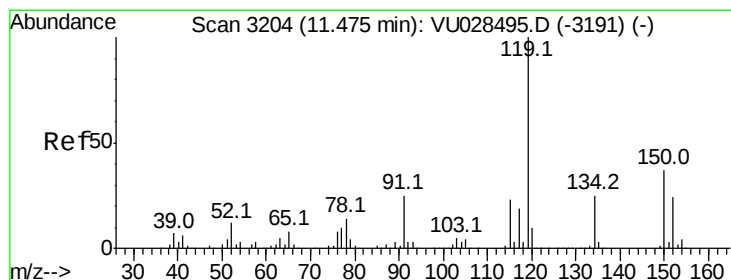
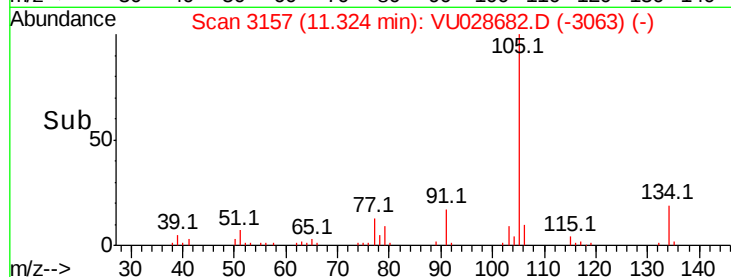
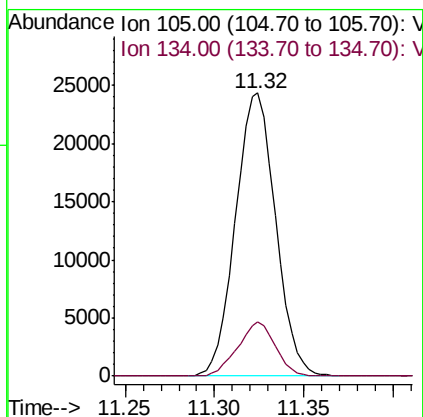
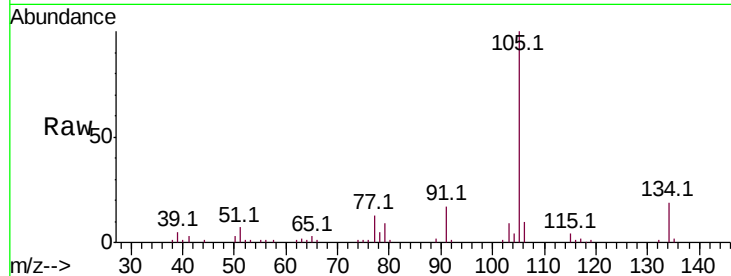




#85
 sec-Butylbenzene
 Concen: 10.975 ug/l
 RT: 11.32 min Scan# 3157
 Delta R.T. 0.00 min
 Lab File: VU028682.D
 Acq: 14 Dec 2018 14:50

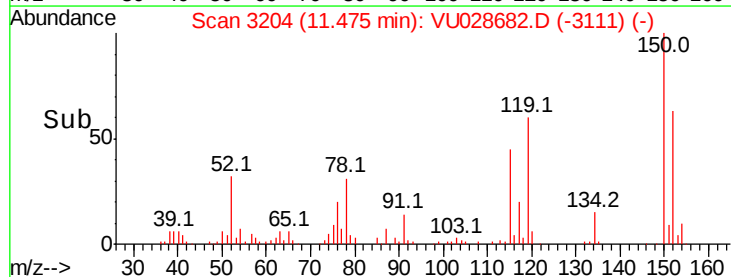
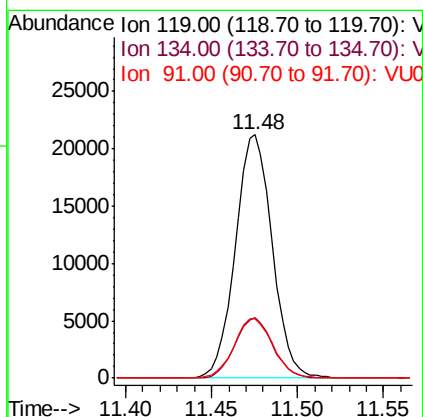
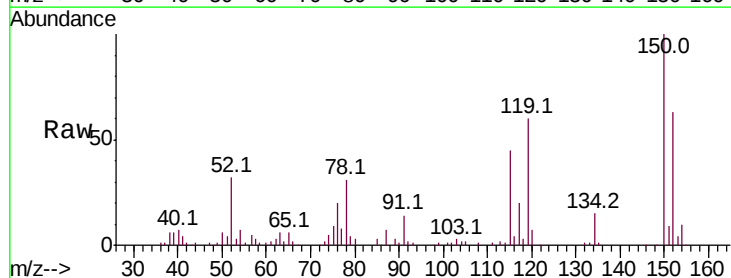
Instrument :
 MSVOA_U
 ClientSampleId :

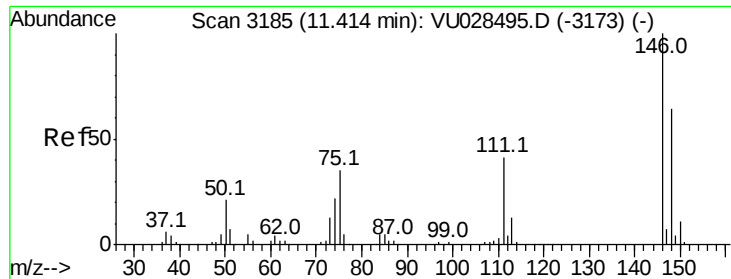
Tot Ion:105 Resp: 38002
 Ion Ratio Lower Upper
 105 100
 134 17.9 9.2 27.6



#86
 p-Isopropyltoluene
 Concen: 10.764 ug/l
 RT: 11.48 min Scan# 3204
 Delta R.T. -0.00 min
 Lab File: VU028682.D
 Acq: 14 Dec 2018 14:50

Tgt Ion:119 Resp: 31662
 Ion Ratio Lower Upper
 119 100
 134 25.3 12.7 38.1
 91 25.7 12.6 37.6

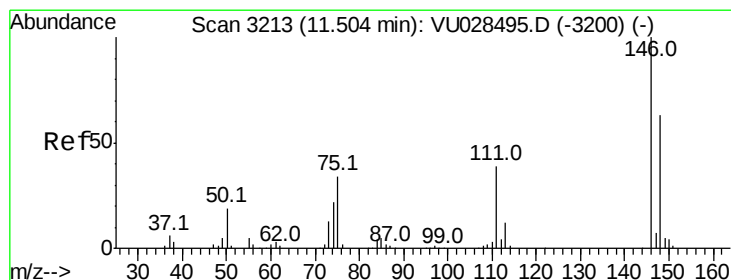
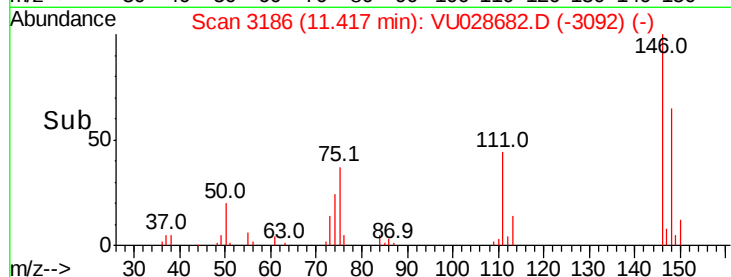
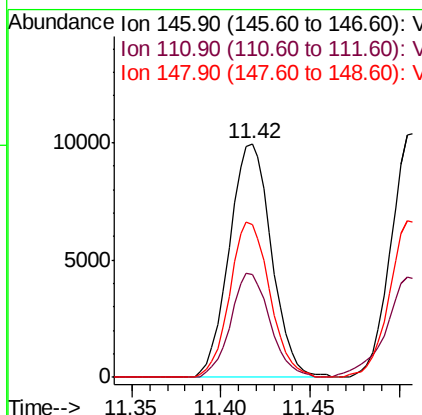
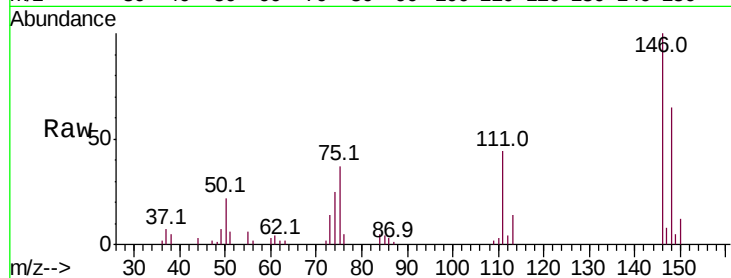




#87
 1,3-Dichlorobenzene
 Concen: 10.991 ug/l
 RT: 11.42 min Scan# 3186
 Delta R.T. 0.00 min
 Lab File: VU028682.D
 Acq: 14 Dec 2018 14:50

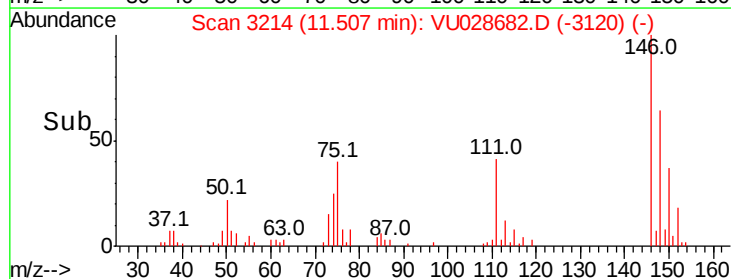
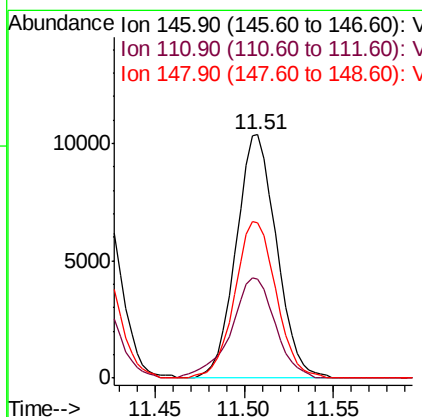
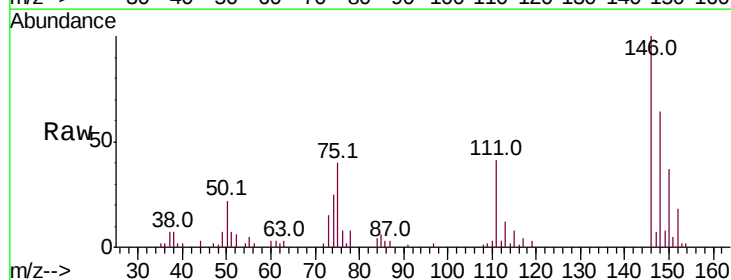
Instrument :
 MSVOA_U
 ClientSampleId :

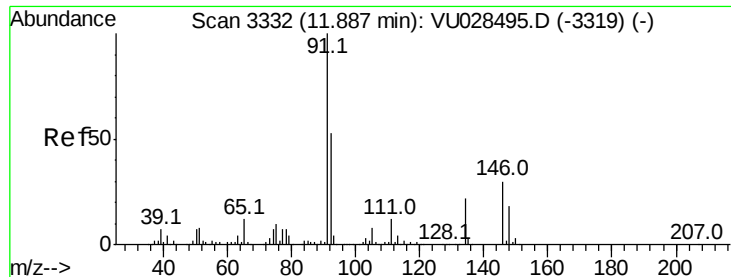
Tot Ion:146 Resp: 16397
 Ion Ratio Lower Upper
 146 100
 111 41.4 20.7 62.1
 148 63.2 31.9 95.7



#88
 1,4-Dichlorobenzene
 Concen: 10.591 ug/l
 RT: 11.51 min Scan# 3214
 Delta R.T. 0.00 min
 Lab File: VU028682.D
 Acq: 14 Dec 2018 14:50

Tgt Ion:146 Resp: 16347
 Ion Ratio Lower Upper
 146 100
 111 44.8 20.2 60.5
 148 65.8 31.6 95.0

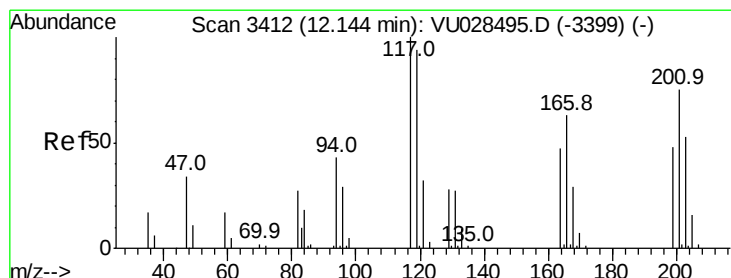
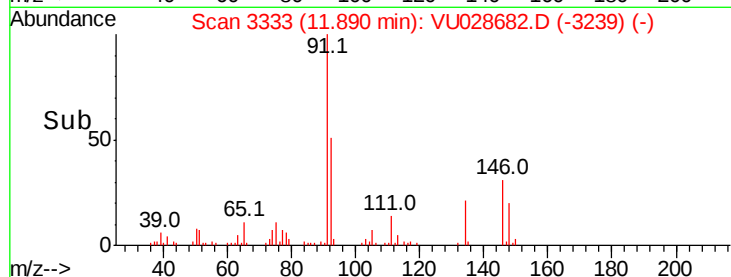
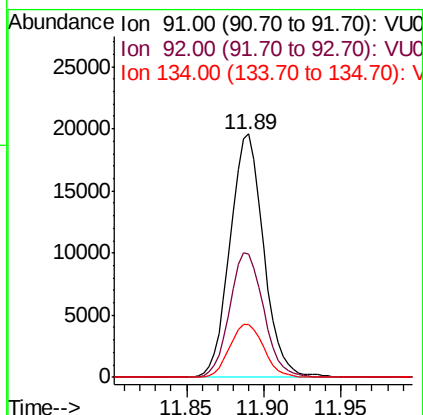
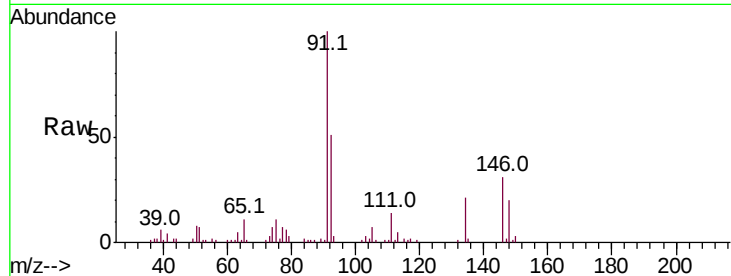




#89
n-Butylbenzene
Concen: 9.894 ug/l
RT: 11.89 min Scan# 3333
Delta R.T. 0.00 min
Lab File: VU028682.D
Acq: 14 Dec 2018 14:50

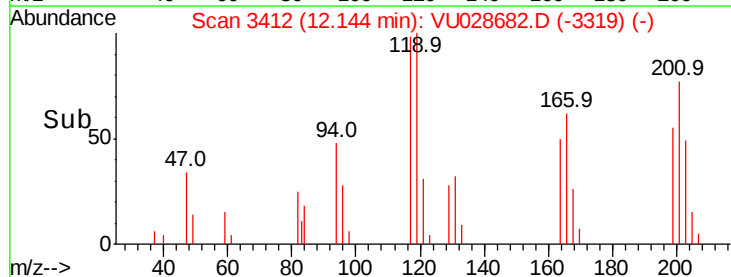
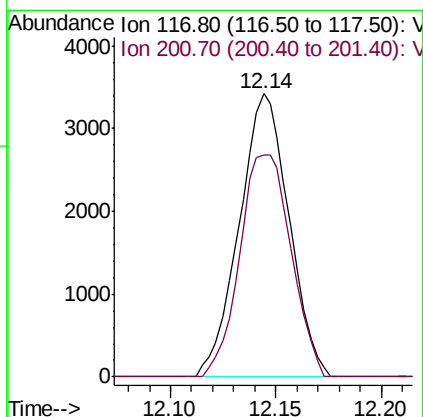
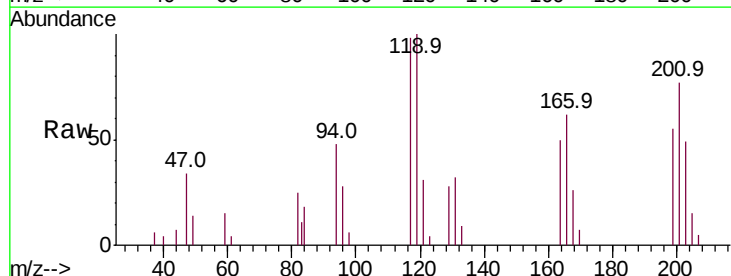
Instrument :
MSVOA_U
ClientSampleId :

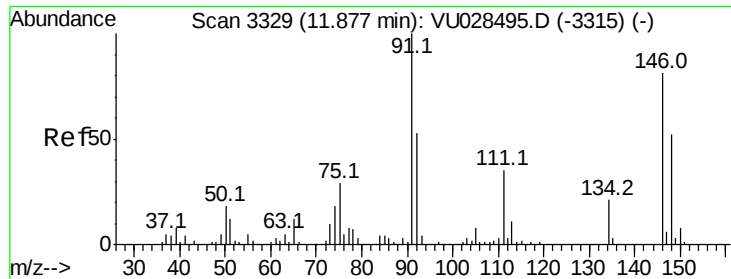
Tot Ion: 91 Resp: 29454
Ion Ratio Lower Upper
91 100
92 51.5 26.3 78.9
134 21.8 11.3 33.8



#90
Hexachloroethane
Concen: 12.605 ug/l
RT: 12.14 min Scan# 3412
Delta R.T. -0.00 min
Lab File: VU028682.D
Acq: 14 Dec 2018 14:50

Tgt Ion: 117 Resp: 5604
Ion Ratio Lower Upper
117 100
201 80.8 38.1 114.5

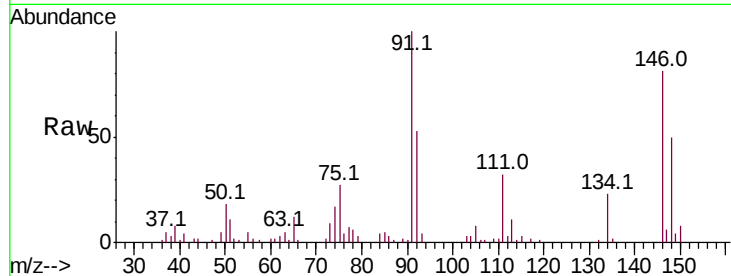




#91
 1,2-Dichlorobenzene
 Concen: 11.223 ug/l
 RT: 11.88 min Scan# 3330
 Delta R.T. 0.00 min
 Lab File: VU028682.D
 Acq: 14 Dec 2018 14:50

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.8	21.1	63.4
148	62.6	31.4	94.2

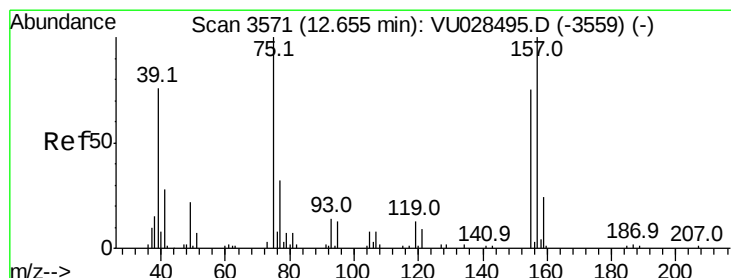
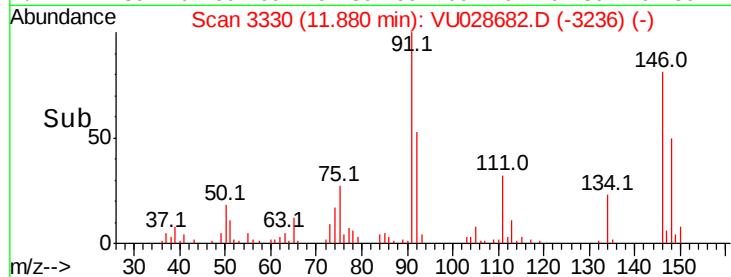
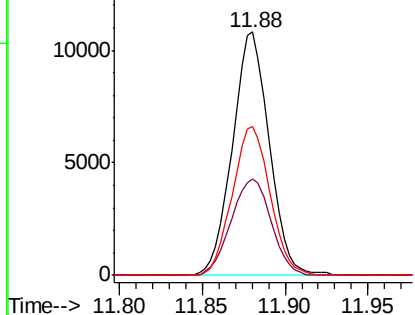


Abundance

Ion 145.90 (145.60 to 146.60): V

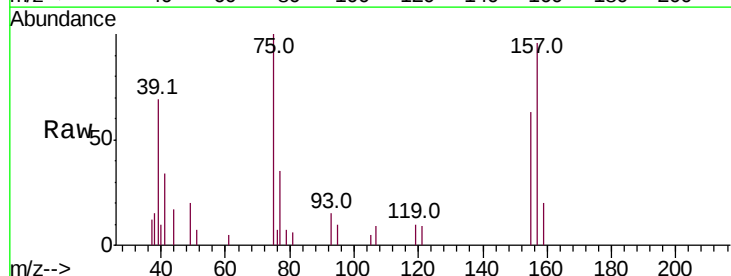
Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 12.198 ug/l
 RT: 12.66 min Scan# 3571
 Delta R.T. -0.00 min
 Lab File: VU028682.D
 Acq: 14 Dec 2018 14:50

Tgt Ion	Ratio	Lower	Upper
75	100		
155	71.3	38.1	114.5
157	97.8	48.7	146.1

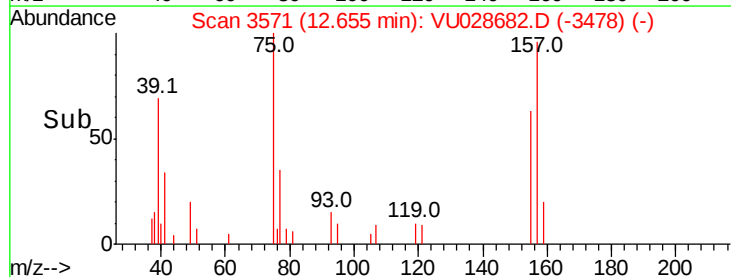
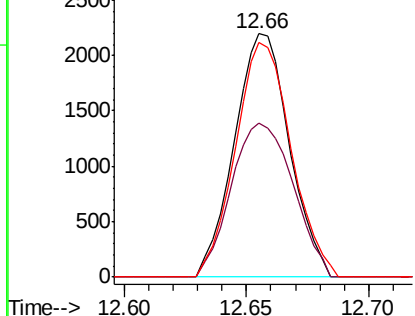


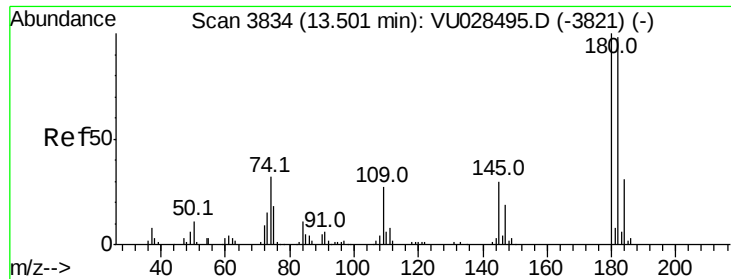
Abundance

Ion 74.90 (74.60 to 75.60): VU0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

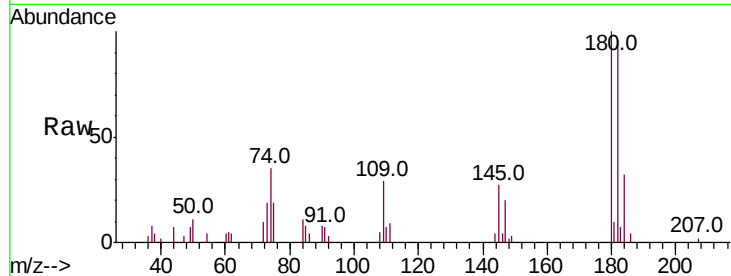




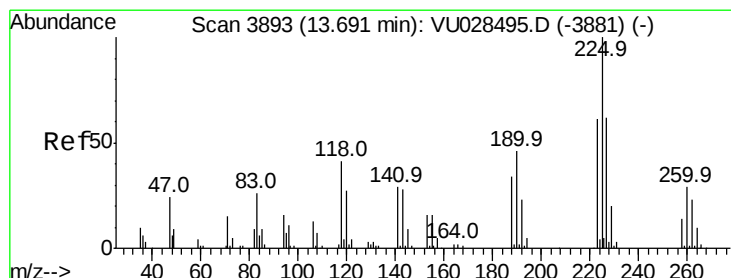
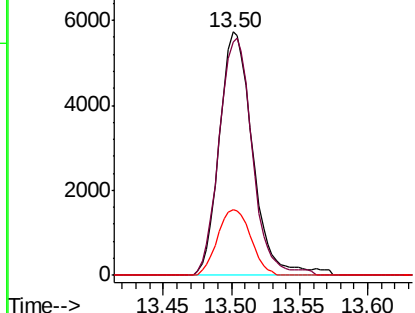
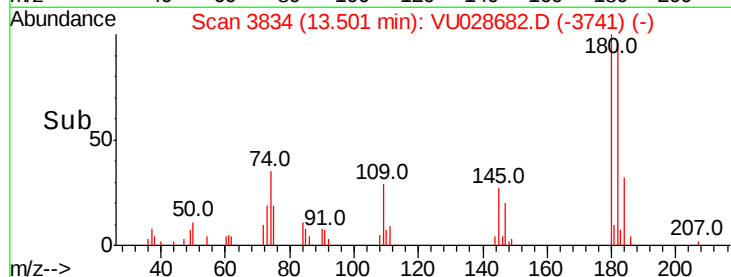
#93
 1,2,4-Trichlorobenzene
 Concen: 10.182 ug/l
 RT: 13.50 min Scan# 3834
 Delta R.T. -0.00 min
 Lab File: VU028682.D
 Acq: 14 Dec 2018 14:50

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion:180 Resp: 9741
 Ion Ratio Lower Upper
 180 100
 182 95.9 47.9 143.8
 145 26.8 15.0 45.1

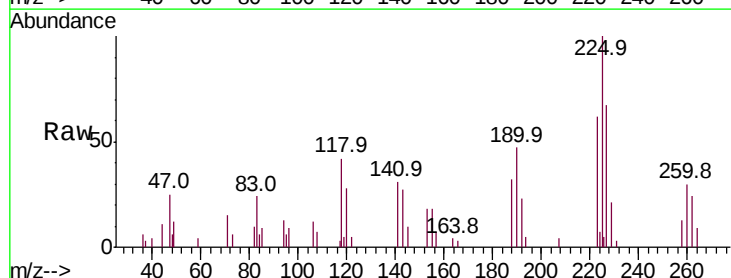


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

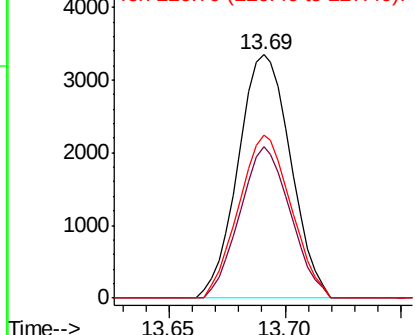
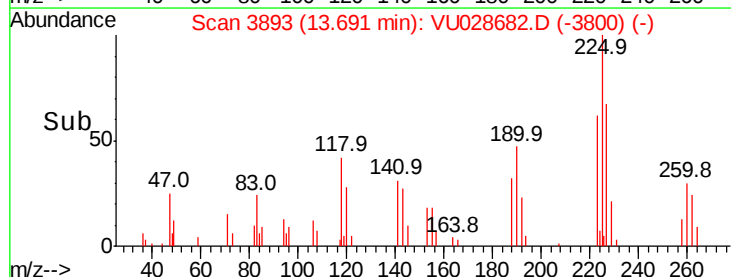


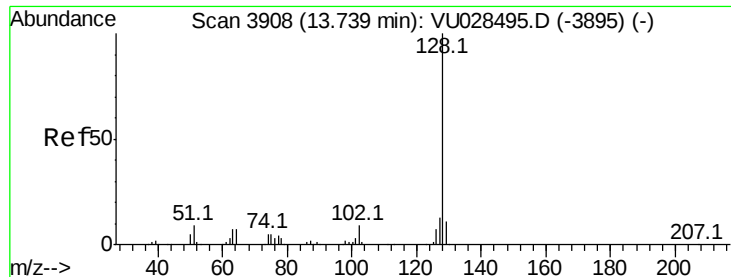
#94
 Hexachlorobutadiene
 Concen: 10.777 ug/l
 RT: 13.69 min Scan# 3893
 Delta R.T. -0.00 min
 Lab File: VU028682.D
 Acq: 14 Dec 2018 14:50

Tgt Ion:225 Resp: 5268
 Ion Ratio Lower Upper
 225 100
 223 59.7 30.4 91.2
 227 66.7 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

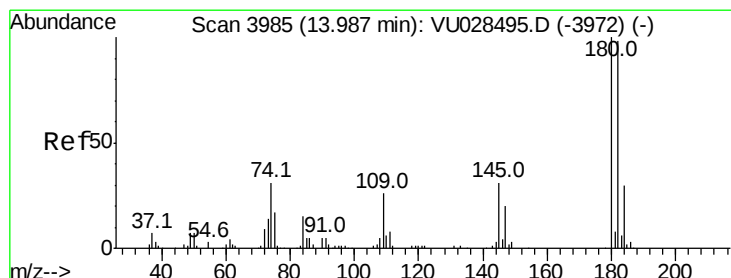
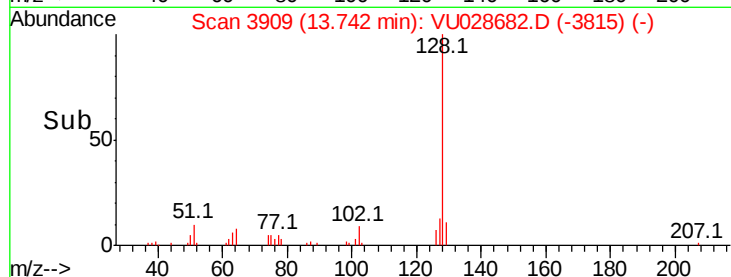
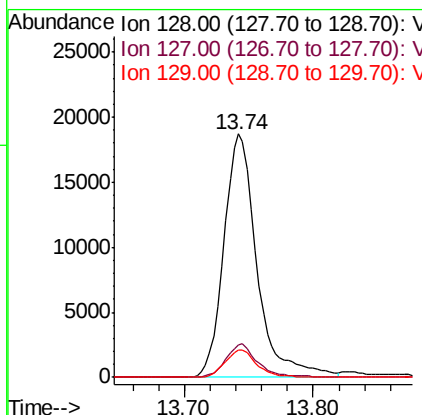
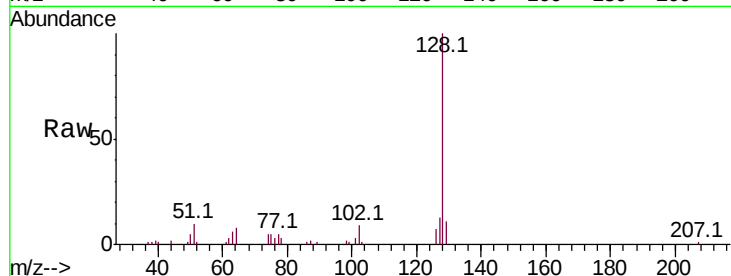




#95
Naphthalene
Concen: 9.299 ug/l
RT: 13.74 min Scan# 3909
Delta R.T. 0.00 min
Lab File: VU028682.D
Acq: 14 Dec 2018 14:50

Instrument :
MSVOA_U
ClientSampled :

Tot Ion:128 Resp: 33300
Ion Ratio Lower Upper
128 100
127 13.0 10.4 15.6
129 10.7 8.6 13.0



#96
1,2,3-Trichlorobenzene
Concen: 9.985 ug/l
RT: 13.99 min Scan# 3985
Delta R.T. 0.00 min
Lab File: VU028682.D
Acq: 14 Dec 2018 14:50

Tgt Ion:180 Resp: 10071
Ion Ratio Lower Upper
180 100
182 101.2 48.2 144.6
145 29.5 15.8 47.3

