

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU111318\
 Data File : VU028083.D
 Acq On : 13 Nov 2018 11:40
 Operator : MD/SY
 Sample : VU1113WBS01
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Nov 14 06:54:40 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U110218W.M
 Quant Title : SW846 8260
 QLast Update : Fri Nov 02 02:28:20 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.98	168	148531	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	255054	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	235795	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	109308	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.31	65	122592	55.51	ug/l	0.00
Spiked Amount	50.000		Recovery	=	111.02%	
35) Dibromofluoromethane	4.88	113	86439	53.75	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.50%	
50) Toluene-d8	7.57	98	341263	54.93	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.86%	
62) 4-Bromofluorobenzene	10.31	95	120196	52.46	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.92%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.21	85	29267	15.507	ug/l	96
3) Chloromethane	1.33	50	44576	19.529	ug/l	98
4) Vinyl Chloride	1.41	62	42196	18.626	ug/l	99
5) Bromomethane	1.61	94	21243	25.150	ug/l	99
6) Chloroethane	1.69	64	25800	19.762	ug/l	100
7) Trichlorofluoromethane	1.88	101	50970	19.470	ug/l	96
8) Diethyl Ether	2.10	74	23032	20.547	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	2.28	101	30698	19.739	ug/l	100
10) Methyl Iodide	2.41	142	30731	25.937	ug/l	100
11) Tert butyl alcohol	2.83	59	59594	101.939	ug/l	98
12) 1,1-Dichloroethene	2.28	96	28668	18.416	ug/l	98
13) Acrolein	2.20	56	13240	56.306	ug/l	89
14) Allyl chloride	2.59	41	70709	18.585	ug/l	98
15) Acrylonitrile	2.94	53	143086	99.640	ug/l	100
16) Acetone	2.32	43	140389	102.466	ug/l	98
17) Carbon Disulfide	2.48	76	86653	17.030	ug/l	100
18) Methyl Acetate	2.62	43	78943	20.946	ug/l	99
19) Methyl tert-butyl Ether	3.00	73	121475	19.350	ug/l	98
20) Methylene Chloride	2.70	84	38397	19.194	ug/l	97
21) trans-1,2-Dichloroethene	2.98	96	31789	17.695	ug/l	92
22) Diisopropyl ether	3.57	45	158746	20.210	ug/l	95
23) Vinyl Acetate	3.52	43	662213	98.097	ug/l	100
24) 1,1-Dichloroethane	3.45	63	75046	19.181	ug/l	98
25) 2-Butanone	4.26	43	218221	100.115	ug/l	98
26) 2,2-Dichloropropane	4.23	77	58280	19.850	ug/l	99
27) cis-1,2-Dichloroethene	4.23	96	40262	19.986	ug/l	99
28) Bromochloromethane	4.55	49	42068	22.936	ug/l	99
29) Tetrahydrofuran	4.64	42	137762	94.651	ug/l	100
30) Chloroform	4.67	83	69868	19.476	ug/l	99
31) Cyclohexane	5.00	56	75504	18.605	ug/l	98
32) 1,1,1-Trichloroethane	4.92	97	55224	19.339	ug/l	96
36) 1,1-Dichloropropene	5.14	75	50637	18.956	ug/l	99
37) Ethyl Acetate	4.38	43	76325	19.500	ug/l #	93
38) Carbon Tetrachloride	5.14	117	45318	19.143	ug/l	96

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.41	83	62440	19.380	ug/l	97
40) Benzene	5.39	78	159368	19.513	ug/l	99
41) Methacrylonitrile	4.54	41	41978	20.097	ug/l	97
42) 1,2-Dichloroethane	5.40	62	57006	19.637	ug/l	99
43) Isopropyl Acetate	5.55	43	121120	19.752	ug/l	100
44) Trichloroethene	6.19	130	34010	19.373	ug/l	97
45) 1,2-Dichloropropane	6.43	63	47513	20.172	ug/l	97
46) Dibromomethane	6.56	93	26747	19.756	ug/l	98
47) Bromodichloromethane	6.76	83	53016	20.320	ug/l	97
48) Methyl methacrylate	6.62	41	60294	20.065	ug/l	98
49) 1,4-Dioxane	6.61	88	22969	468.503	ug/l	97
51) 4-Methyl-2-Pentanone	7.46	43	402314	98.240	ug/l	99
52) Toluene	7.64	92	93136	19.398	ug/l	100
53) t-1,3-Dichloropropene	7.88	75	60398	19.368	ug/l	99
54) cis-1,3-Dichloropropene	7.27	75	65739	20.439	ug/l	98
55) 1,1,2-Trichloroethane	8.07	97	38805	19.865	ug/l	98
56) Ethyl methacrylate	8.02	69	66483	19.299	ug/l	96
57) 1,3-Dichloropropane	8.24	76	72293	20.317	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.13	63	187039	101.378	ug/l	99
59) 2-Hexanone	8.36	43	317675	100.296	ug/l	98
60) Dibromochloromethane	8.48	129	36612	19.807	ug/l	97
61) 1,2-Dibromoethane	8.59	107	40229	19.381	ug/l	95
64) Tetrachloroethene	8.23	164	30007	19.626	ug/l	96
65) Chlorobenzene	9.12	112	96001	19.271	ug/l	97
66) 1,1,1,2-Tetrachloroethane	9.21	131	33454	19.660	ug/l	99
67) Ethyl Benzene	9.25	91	178389	19.454	ug/l	100
68) m/p-Xylenes	9.38	106	129178	38.825	ug/l	98
69) o-Xylene	9.78	106	64470	19.189	ug/l	98
70) Styrene	9.79	104	104537	19.473	ug/l	99
71) Bromoform	9.96	173	27635	19.379	ug/l #	99
73) Isopropylbenzene	10.17	105	170913	20.183	ug/l	99
74) N-amyl acetate	10.01	43	107608	21.015	ug/l	98
75) 1,1,2,2-Tetrachloroethane	10.46	83	70303	20.582	ug/l	100
76) 1,2,3-Trichloropropane	10.49	75	82483	27.587	ug/l	83
77) Bromobenzene	10.45	156	38923	20.046	ug/l	97
78) n-propylbenzene	10.59	91	203853	20.112	ug/l	100
79) 2-Chlorotoluene	10.66	91	121118	19.935	ug/l	98
80) 1,3,5-Trimethylbenzene	10.77	105	142432	20.305	ug/l	98
81) trans-1,4-Dichloro-2-buten	10.49	75	82483	68.780	ug/l #	100
82) 4-Chlorotoluene	10.77	91	138815	20.125	ug/l	98
83) tert-Butylbenzene	11.10	119	136630	19.483	ug/l	98
84) 1,2,4-Trimethylbenzene	11.15	105	143252	20.280	ug/l	99
85) sec-Butylbenzene	11.32	105	175086	20.529	ug/l	99
86) p-Isopropyltoluene	11.48	119	144965	20.332	ug/l	99
87) 1,3-Dichlorobenzene	11.42	146	71332	19.887	ug/l	99
88) 1,4-Dichlorobenzene	11.51	146	71346	19.406	ug/l	99
89) n-Butylbenzene	11.89	91	129939	19.177	ug/l	99
90) Hexachloroethane	12.14	117	25936	20.432	ug/l	100
91) 1,2-Dichlorobenzene	11.88	146	72048	19.974	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	12.66	75	14750	20.494	ug/l	93

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Quant Title : SW846 8260
QLast Update : Fri Nov 02 02:28:20 2018
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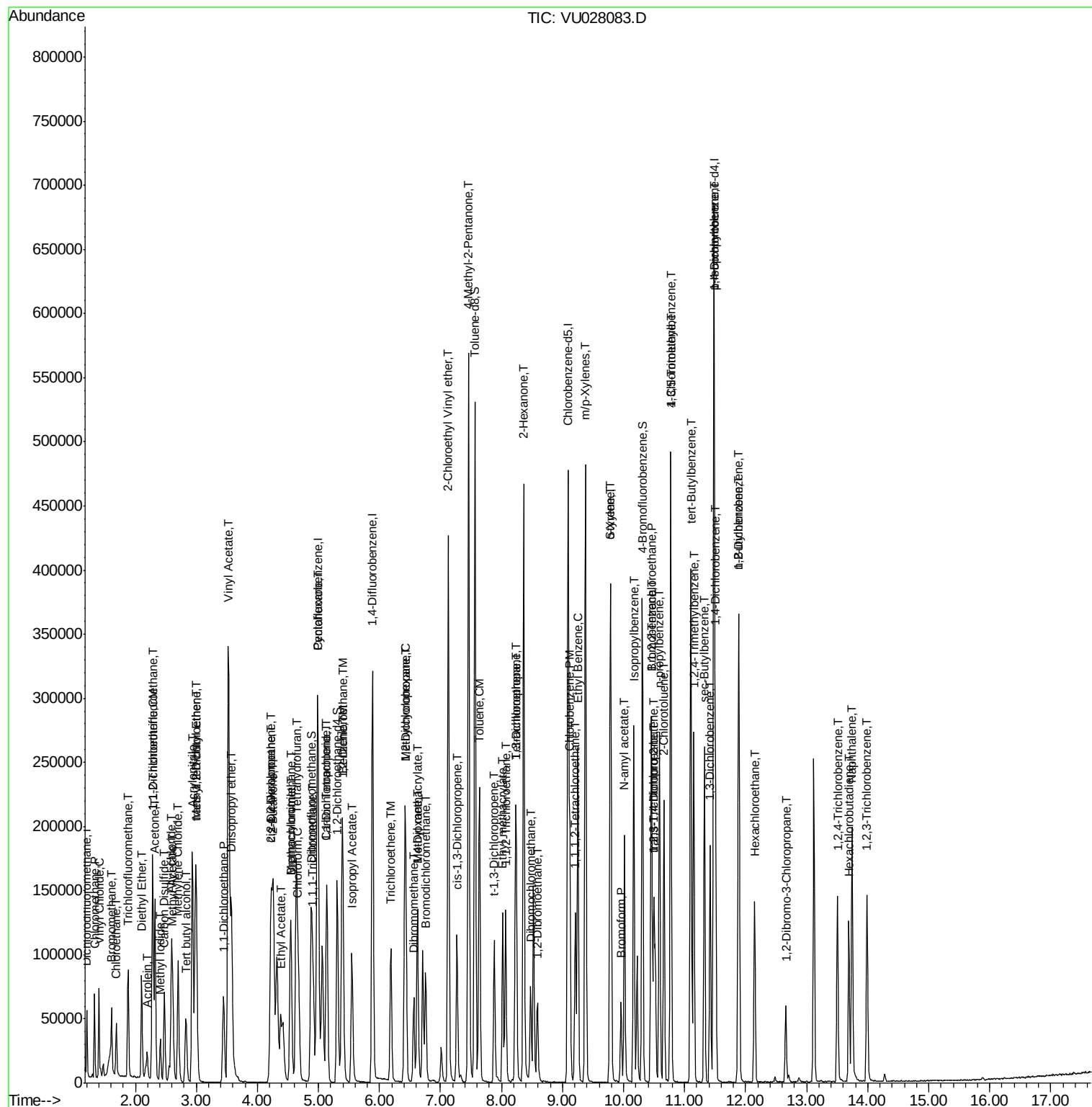
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.50	180	42667	17.320	ug/l	98
94) Hexachlorobutadiene	13.69	225	22960	20.028	ug/l	97
95) Naphthalene	13.74	128	156384	17.323	ug/l	99
96) 1,2,3-Trichlorobenzene	13.99	180	46390	19.166	ug/l	96

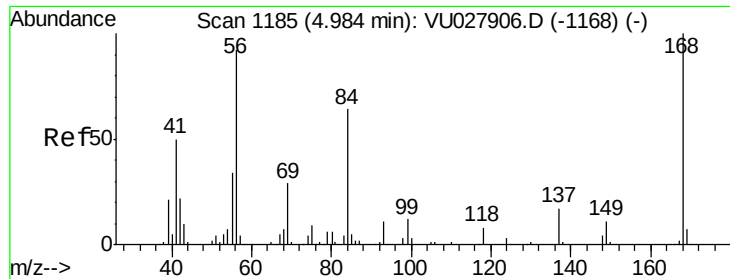
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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MSVOA_U
ClientSampled :

Quant Time: Nov 14 06:54:40 2018
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Quant Title : SW846 8260
QLast Update : Fri Nov 02 02:28:20 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.98 min Scan# 1185

Delta R.T. 0.00 min

Lab File: VU028083.D

Acq: 13 Nov 2018 11:40

Instrument :

MSVOA_U

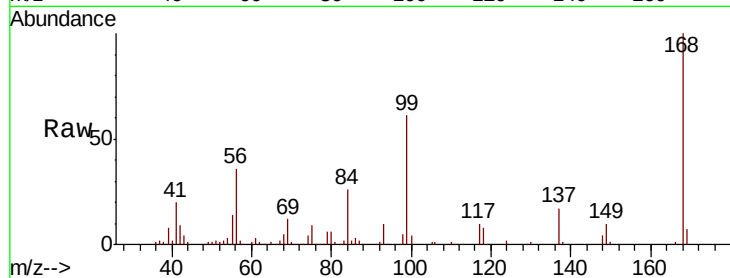
ClientSampleId :

Tot Ion:168 Resp: 148531

Ion Ratio Lower Upper

168 100

99 61.5 47.9 71.9



Abundance Ion 167.90 (167.60 to 168.60): VU027906.D (-1168) (-)

Ion 98.90 (98.60 to 99.60): VU027906.D (-1168) (-)

4.98

60000

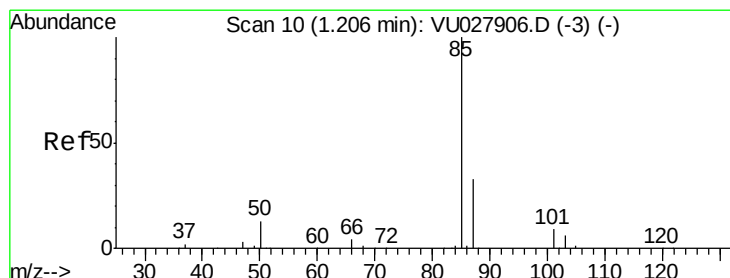
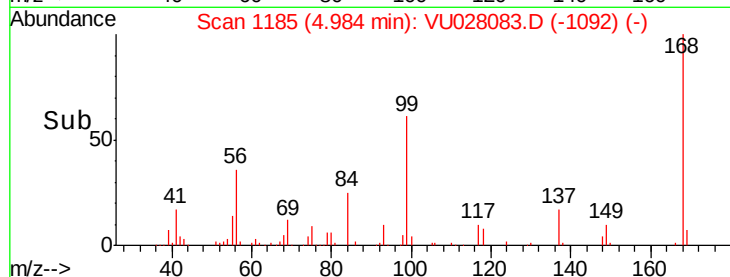
40000

20000

0

4.90 5.00 5.10

Time-->



#2

Dichlorodifluoromethane

Concen: 15.507 ug/l

RT: 1.21 min Scan# 10

Delta R.T. 0.00 min

Lab File: VU028083.D

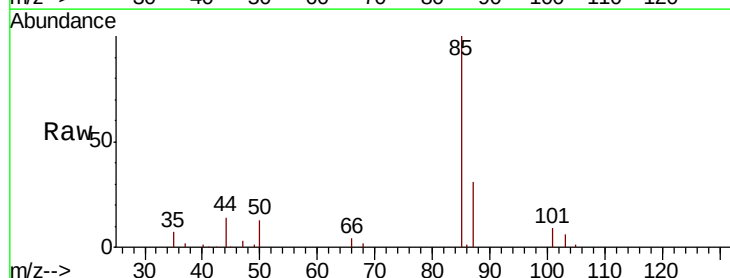
Acq: 13 Nov 2018 11:40

Tgt Ion: 85 Resp: 29267

Ion Ratio Lower Upper

85 100

87 30.8 16.5 49.5



Abundance Ion 84.90 (84.60 to 85.60): VU027906.D (-3) (-)

Ion 86.90 (86.60 to 87.60): VU027906.D (-3) (-)

1.21

30000

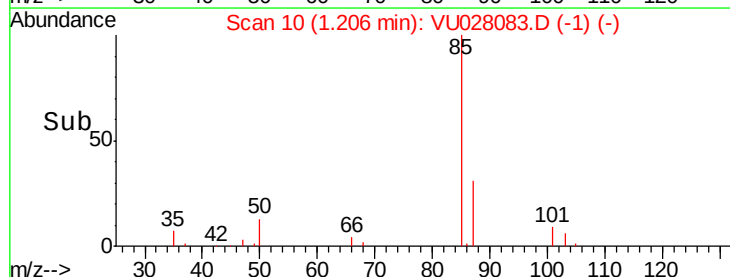
20000

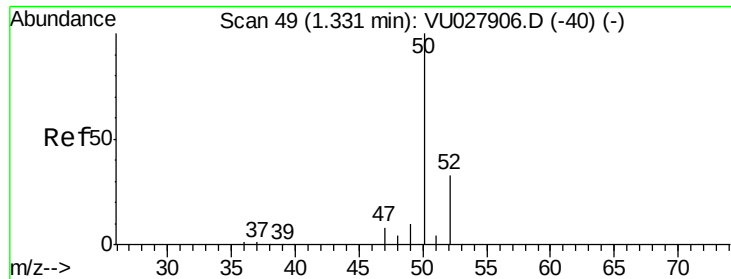
10000

0

1.20 1.25

Time-->





#3

Chloromethane

Concen: 19.529 ug/l

RT: 1.33 min Scan# 49

Delta R.T. 0.00 min

Lab File: VU028083.D

Acq: 13 Nov 2018 11:40

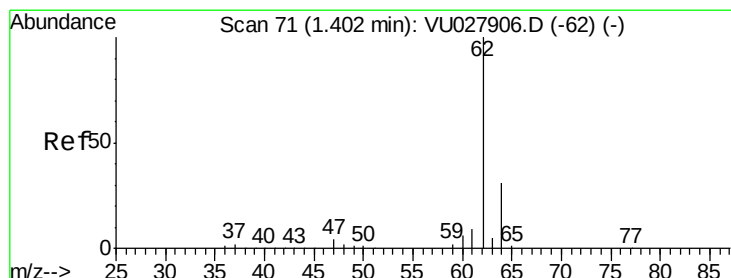
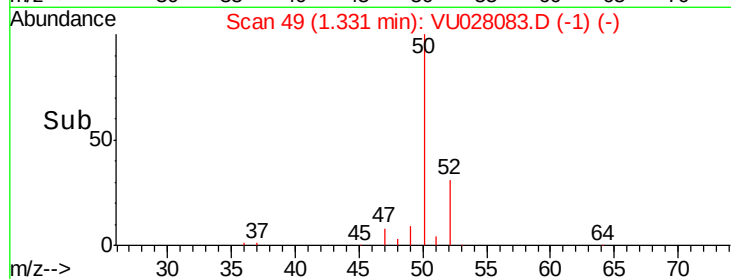
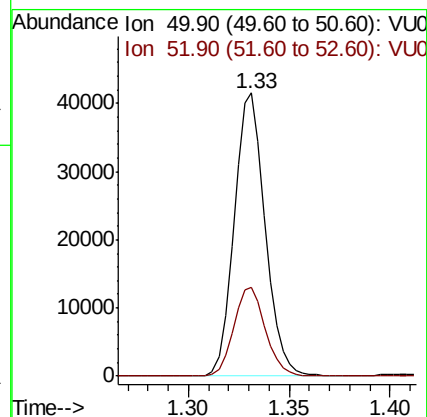
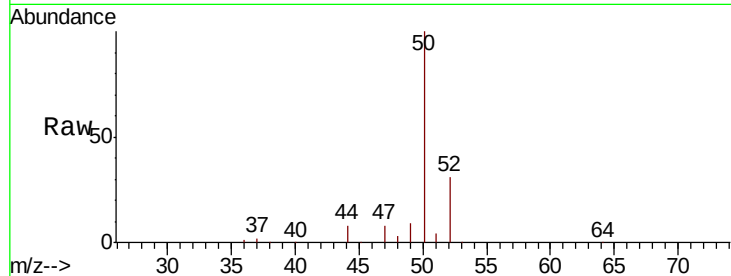
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 50 Resp: 44576

Ion Ratio Lower Upper

50 100

52 31.5 26.2 39.4



#4

Vinyl Chloride

Concen: 18.626 ug/l

RT: 1.41 min Scan# 72

Delta R.T. 0.00 min

Lab File: VU028083.D

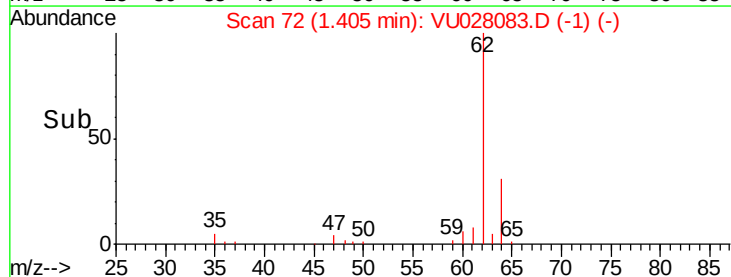
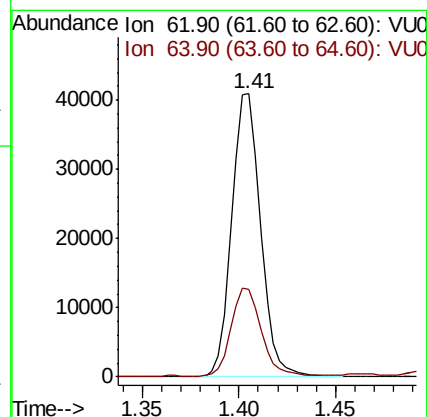
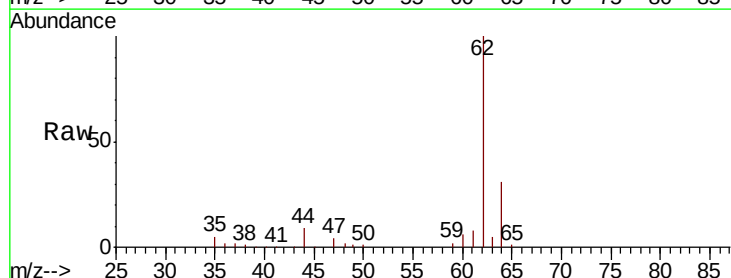
Acq: 13 Nov 2018 11:40

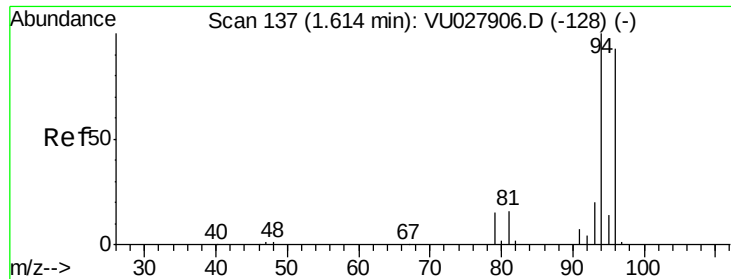
Tgt Ion: 62 Resp: 42196

Ion Ratio Lower Upper

62 100

64 30.7 25.2 37.8





#5

Bromomethane

Concen: 25.150 ug/l

RT: 1.61 min Scan# 136

Delta R.T. -0.00 min

Lab File: VU028083.D

Acq: 13 Nov 2018 11:40

Instrument :

MSVOA_U

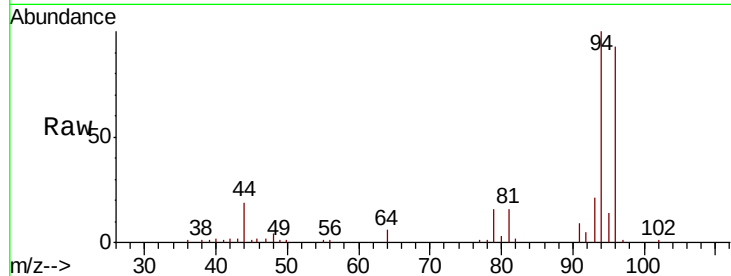
ClientSampleId :

Tot Ion: 94 Resp: 21243

Ion Ratio Lower Upper

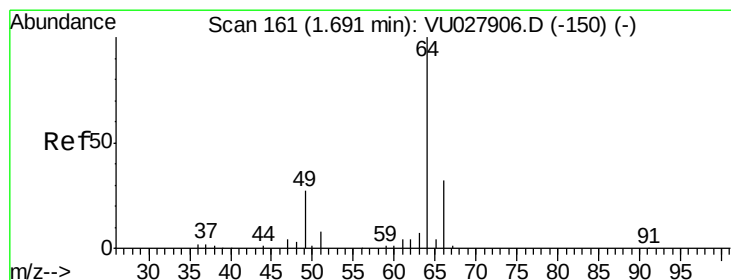
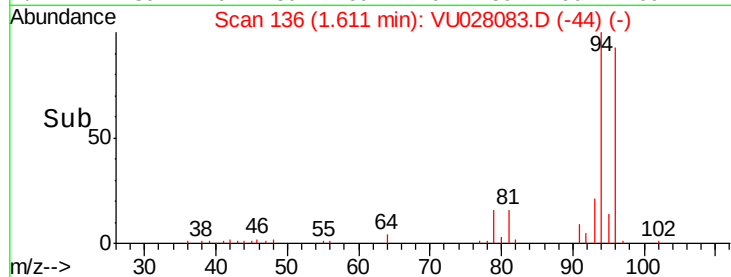
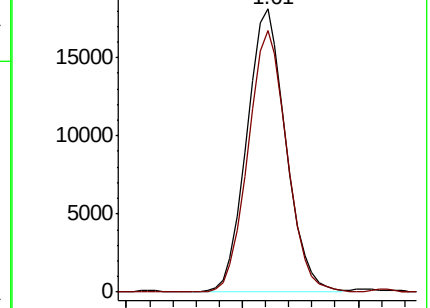
94 100

96 92.6 74.8 112.2



Abundance Ion 93.90 (93.60 to 94.60): VU0

Ion 95.90 (95.60 to 96.60): VU0



#6

Chloroethane

Concen: 19.762 ug/l

RT: 1.69 min Scan# 160

Delta R.T. -0.00 min

Lab File: VU028083.D

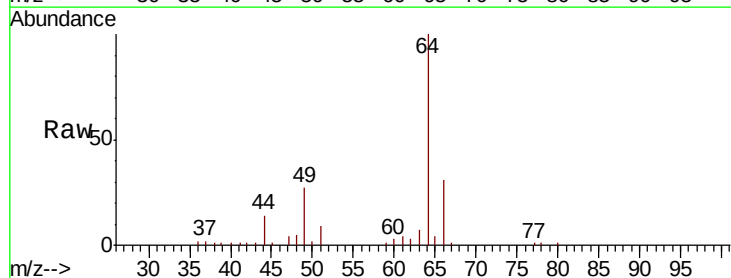
Acq: 13 Nov 2018 11:40

Tgt Ion: 64 Resp: 25800

Ion Ratio Lower Upper

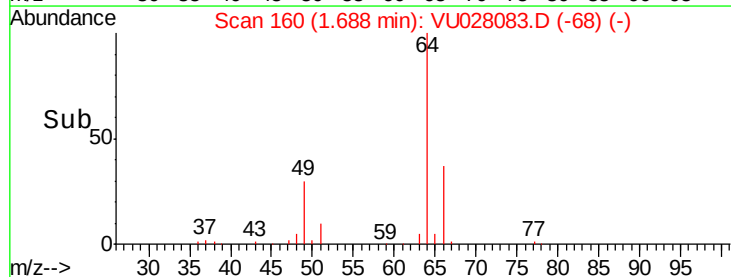
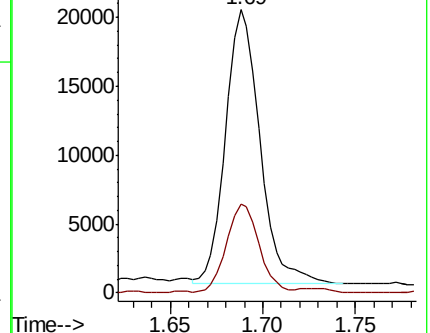
64 100

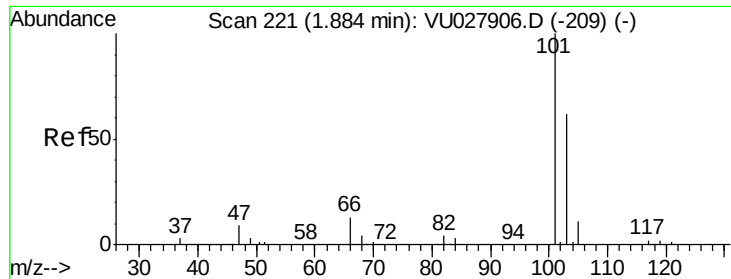
66 32.4 25.9 38.9



Abundance Ion 63.90 (63.60 to 64.60): VU0

Ion 65.90 (65.60 to 66.60): VU0



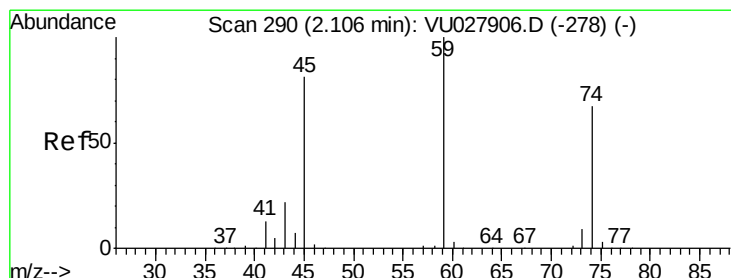
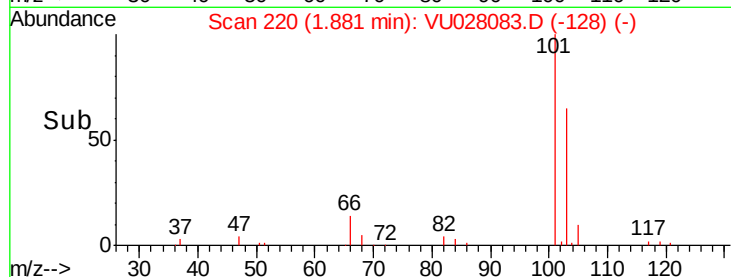
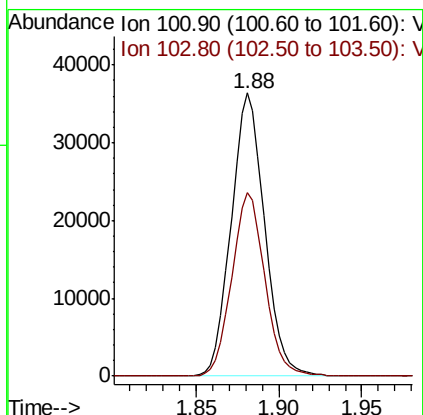
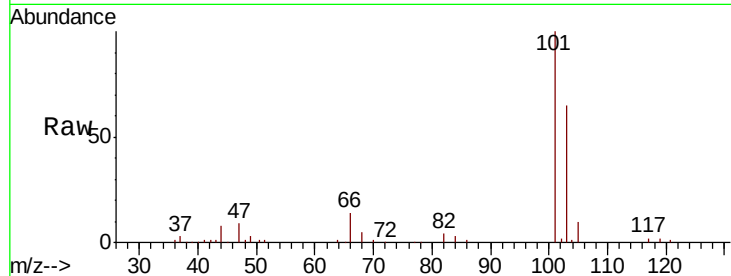


#7

Trichlorofluoromethane
Concen: 19.470 ug/l
RT: 1.88 min Scan# 220
Delta R.T. -0.00 min
Lab File: VU028083.D
Acq: 13 Nov 2018 11:40

Instrument :
MSVOA_U
ClientSampleId :

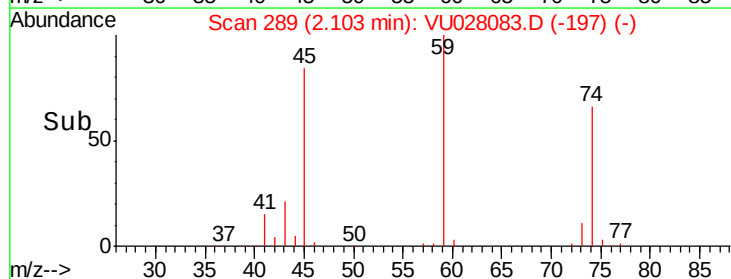
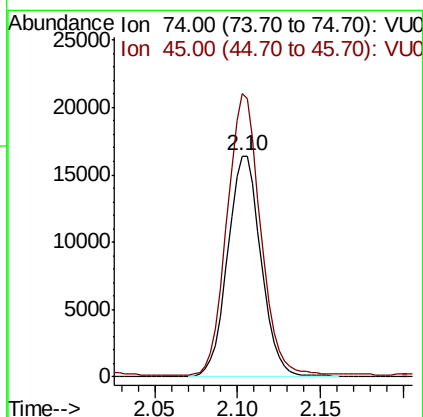
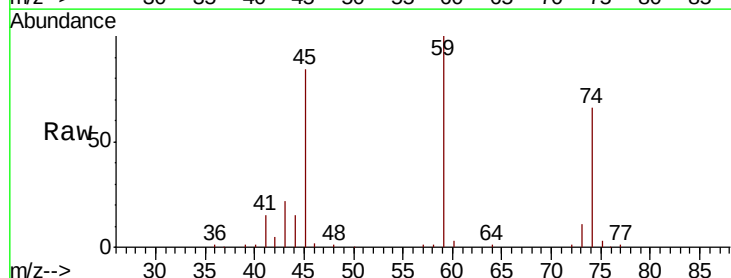
Tot Ion:101 Resp: 50970
Ion Ratio Lower Upper
101 100
103 64.9 49.4 74.2

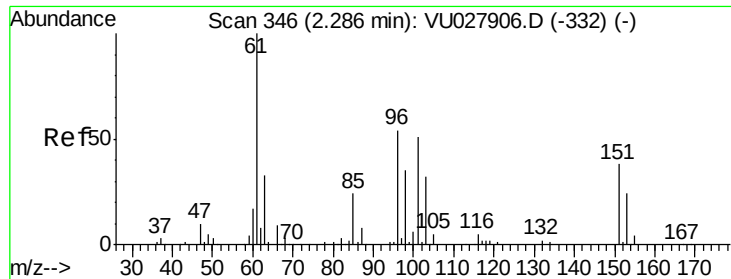


#8

Diethyl Ether
Concen: 20.547 ug/l
RT: 2.10 min Scan# 289
Delta R.T. -0.00 min
Lab File: VU028083.D
Acq: 13 Nov 2018 11:40

Tgt Ion: 74 Resp: 23032
Ion Ratio Lower Upper
74 100
45 127.3 60.5 181.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.739 ug/l

RT: 2.28 min Scan# 345

Delta R.T. -0.00 min

Lab File: VU028083.D

Acq: 13 Nov 2018 11:40

Instrument :

MSVOA_U

ClientSampled :

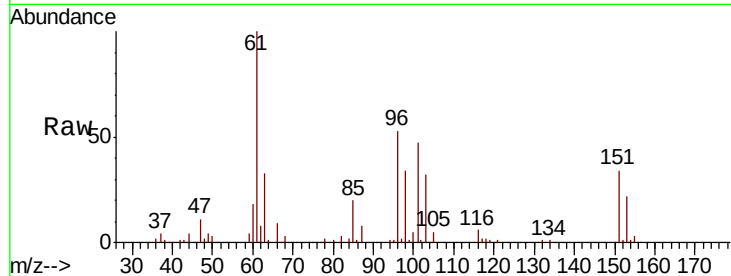
Tot Ion:101 Resp: 30698

Ion Ratio Lower Upper

101 100

85 45.9 36.9 55.3

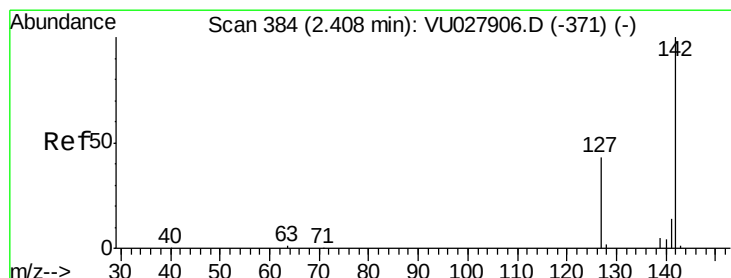
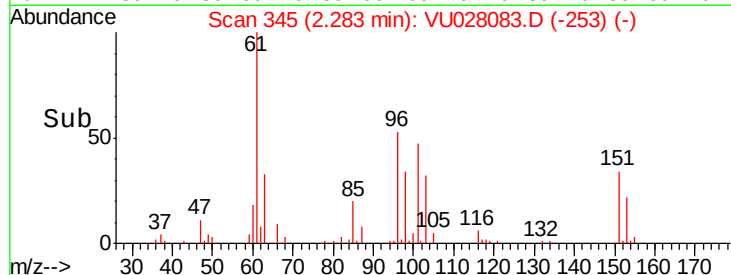
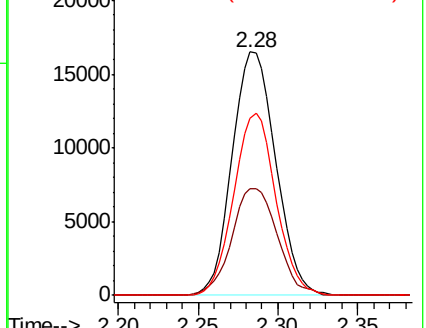
151 72.2 58.0 87.0



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: 25.937 ug/l

RT: 2.41 min Scan# 384

Delta R.T. 0.00 min

Lab File: VU028083.D

Acq: 13 Nov 2018 11:40

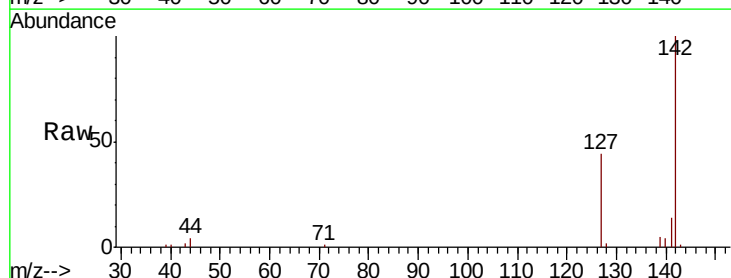
Tgt Ion:142 Resp: 30731

Ion Ratio Lower Upper

142 100

127 43.9 35.2 52.8

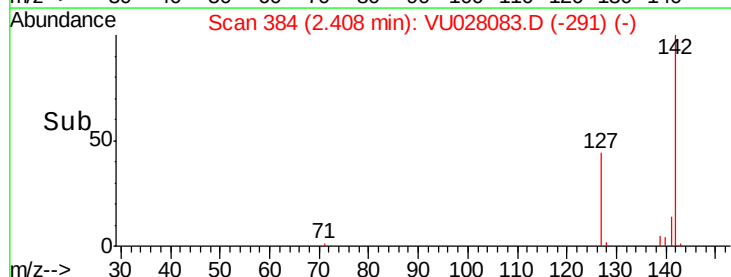
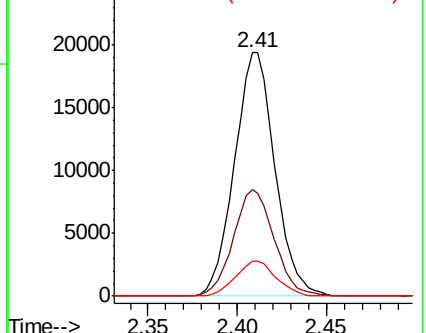
141 14.3 11.8 17.8

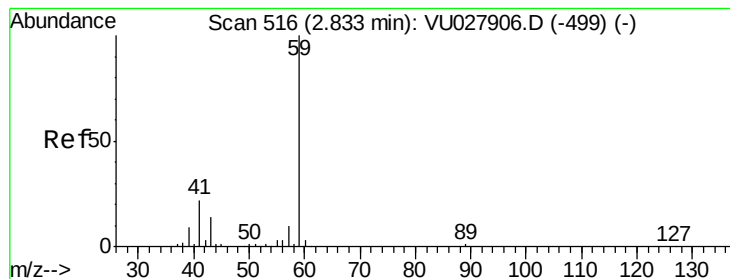


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



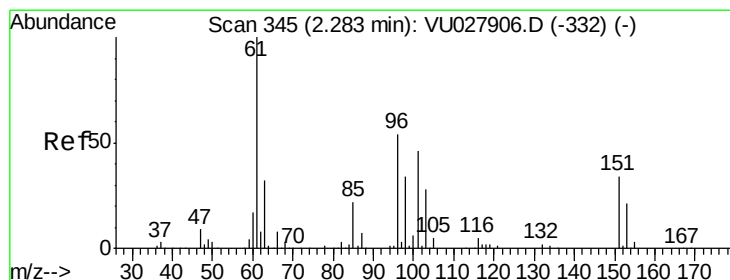
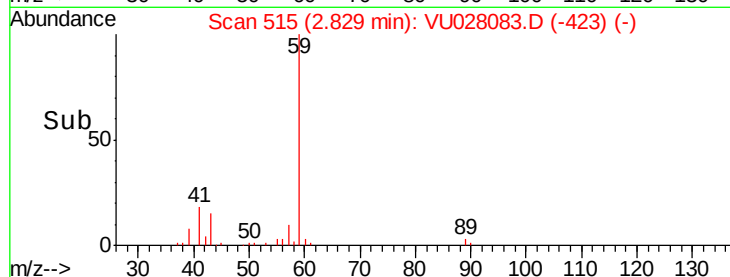
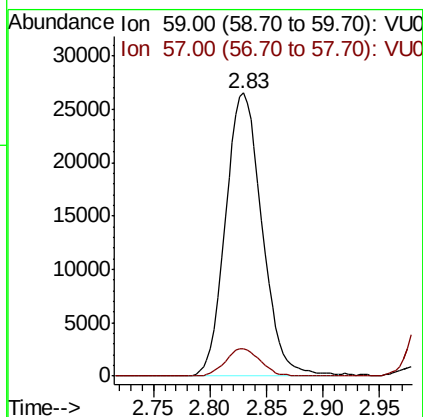
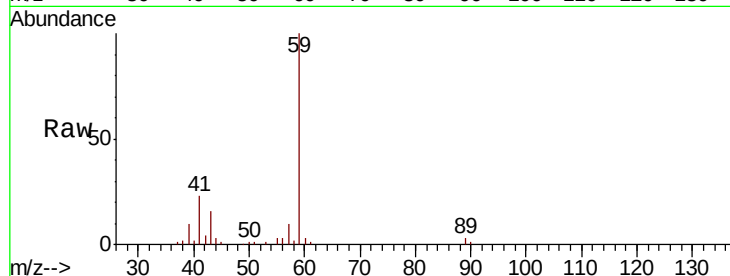


#11

Tert butyl alcohol
 Concen: 101.939 ug/l
 RT: 2.83 min Scan# 515
 Delta R.T. -0.00 min
 Lab File: VU028083.D
 Acq: 13 Nov 2018 11:40

Instrument :
 MSVOA_U
 ClientSampleId :

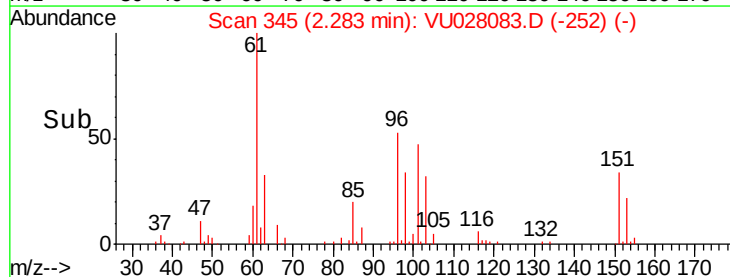
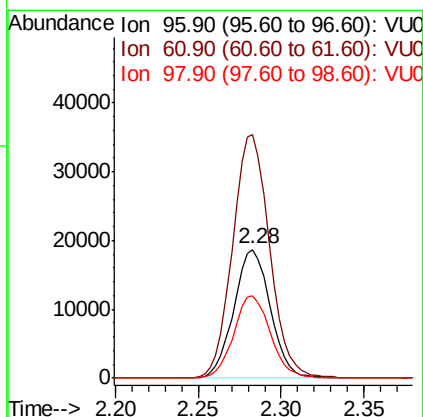
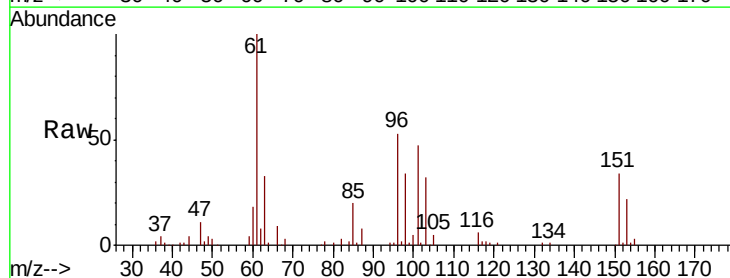
Tot Ion: 59 Resp: 59594
 Ion Ratio Lower Upper
 59 100
 57 9.2 7.8 11.8

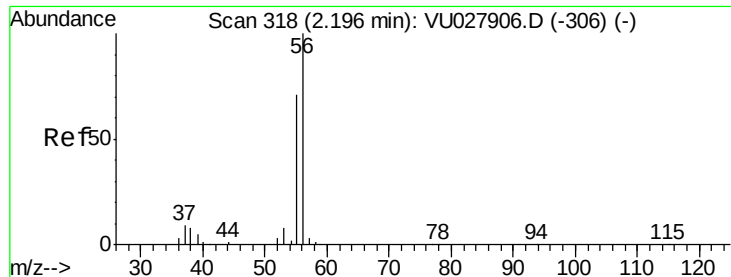


#12

1,1-Dichloroethene
 Concen: 18.416 ug/l
 RT: 2.28 min Scan# 345
 Delta R.T. 0.00 min
 Lab File: VU028083.D
 Acq: 13 Nov 2018 11:40

Tgt Ion: 96 Resp: 28668
 Ion Ratio Lower Upper
 96 100
 61 189.5 149.3 223.9
 98 63.7 50.6 75.8

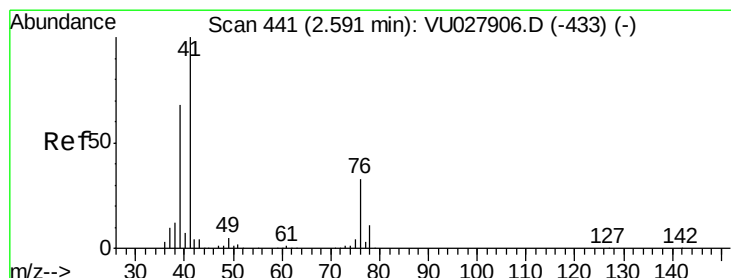
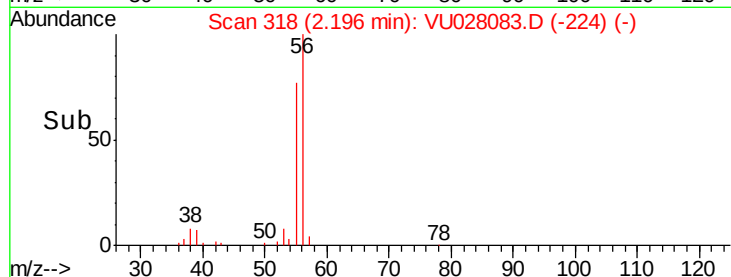
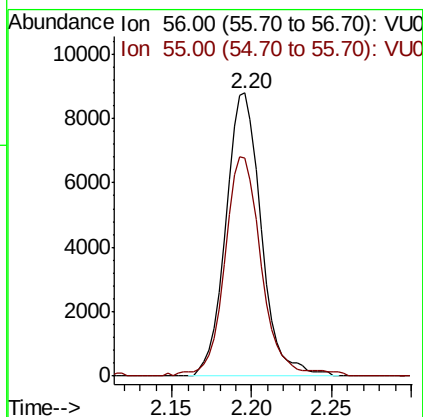
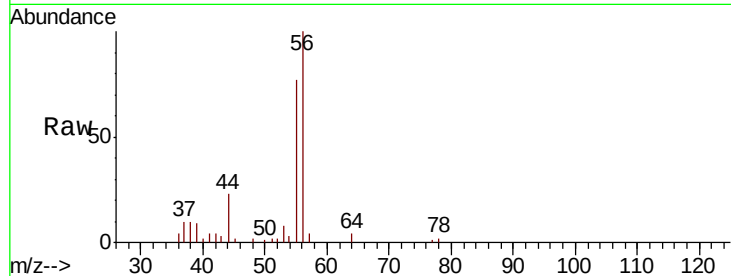




#13
Acrolein
Concen: 56.306 ug/l
RT: 2.20 min Scan# 318
Delta R.T. 0.00 min
Lab File: VU028083.D
Acq: 13 Nov 2018 11:40

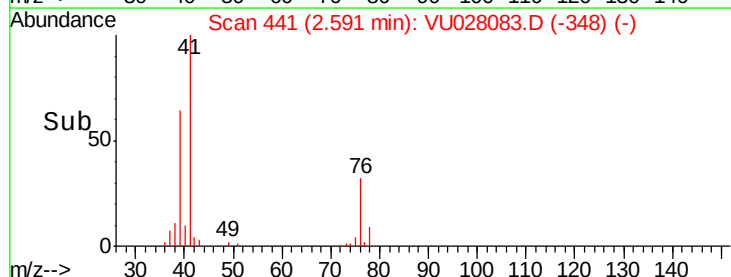
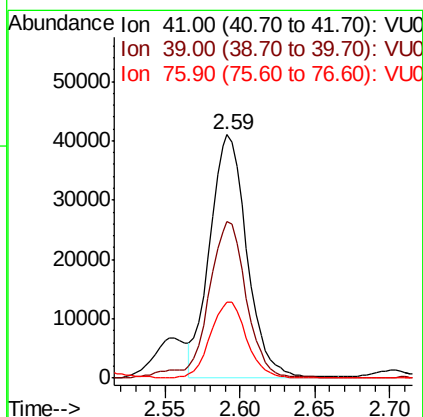
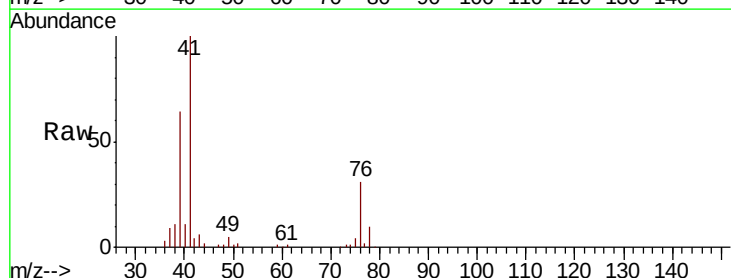
Instrument :
MSVOA_U
ClientSampleId :

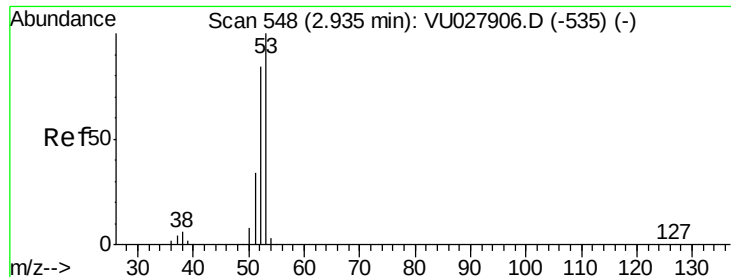
Tot Ion: 56 Resp: 13240
Ion Ratio Lower Upper
56 100
55 79.4 56.2 84.4



#14
Allyl chloride
Concen: 18.585 ug/l
RT: 2.59 min Scan# 441
Delta R.T. 0.00 min
Lab File: VU028083.D
Acq: 13 Nov 2018 11:40

Tgt Ion: 41 Resp: 70709
Ion Ratio Lower Upper
41 100
39 66.1 51.9 77.9
76 30.7 23.8 35.6





#15

Acrylonitrile

Concen: 99.640 ug/l

RT: 2.94 min Scan# 548

Delta R.T. 0.00 min

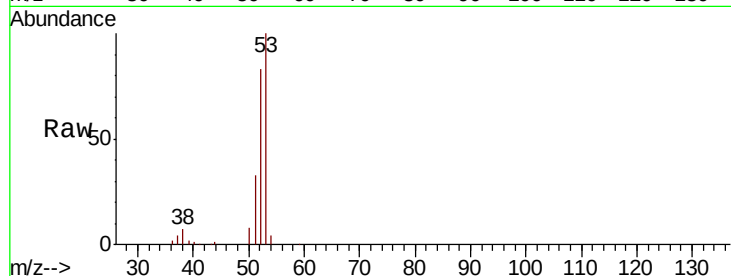
Lab File: VU028083.D

Acq: 13 Nov 2018 11:40

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 53 Resp: 143086

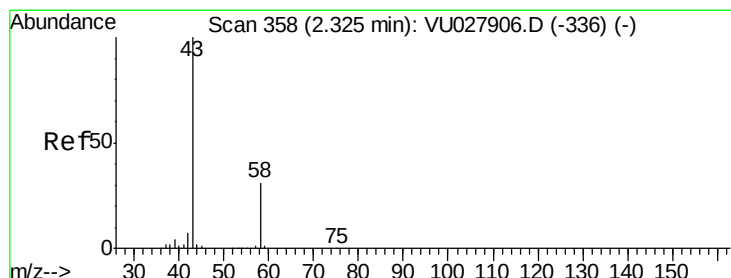
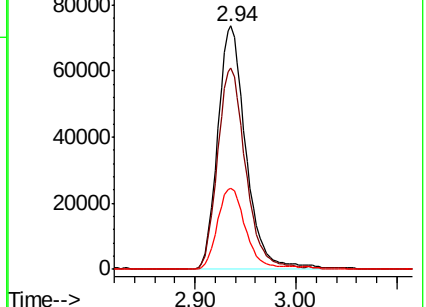
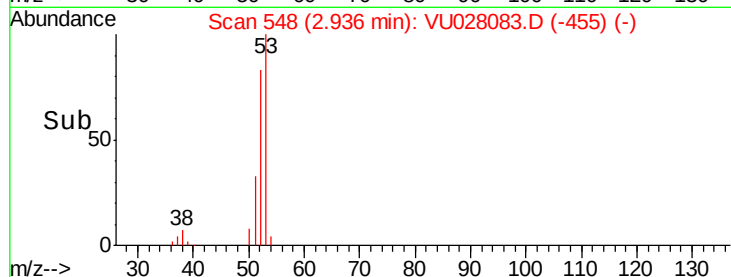
Ion	Ratio	Lower	Upper
53	100		
52	82.7	66.2	99.2
51	33.2	27.0	40.4



Abundance Ion 53.00 (52.70 to 53.70): VU028083.D (-535) (-)

Ion 52.00 (51.70 to 52.70): VU028083.D (-535) (-)

Ion 51.00 (50.70 to 51.70): VU028083.D (-535) (-)



#16

Acetone

Concen: 102.466 ug/l

RT: 2.32 min Scan# 357

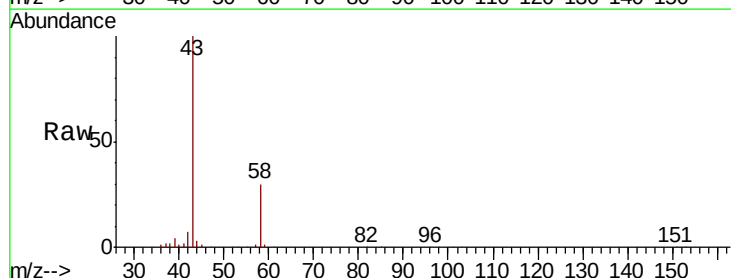
Delta R.T. -0.00 min

Lab File: VU028083.D

Acq: 13 Nov 2018 11:40

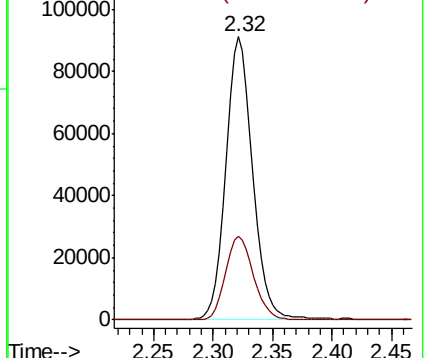
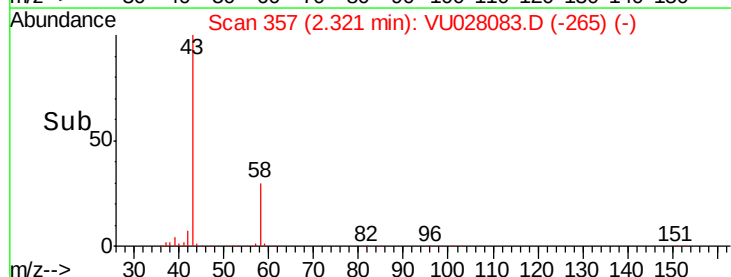
Tgt Ion: 43 Resp: 140389

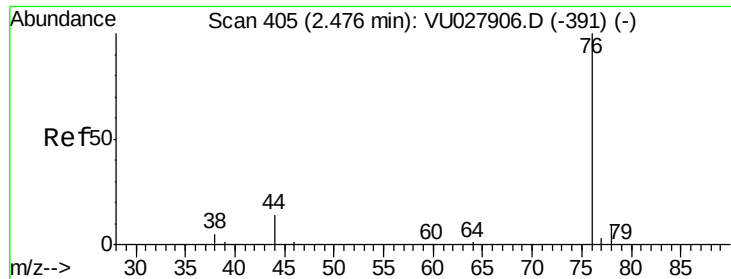
Ion	Ratio	Lower	Upper
43	100		
58	29.7	24.6	37.0



Abundance Ion 43.00 (42.70 to 43.70): VU028083.D (-265) (-)

Ion 58.00 (57.70 to 58.70): VU028083.D (-265) (-)





#17

Carbon Disulfide

Concen: 17.030 ug/l

RT: 2.48 min Scan# 405

Delta R.T. 0.00 min

Lab File: VU028083.D

Acq: 13 Nov 2018 11:40

Instrument :

MSVOA_U

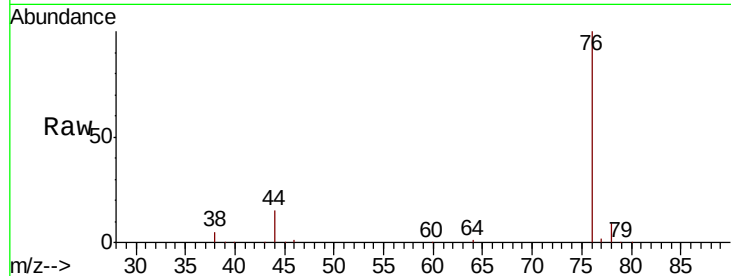
ClientSampled :

Tot Ion: 76 Resp: 86653

Ion Ratio Lower Upper

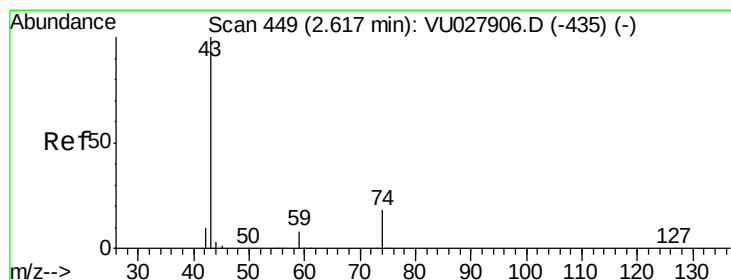
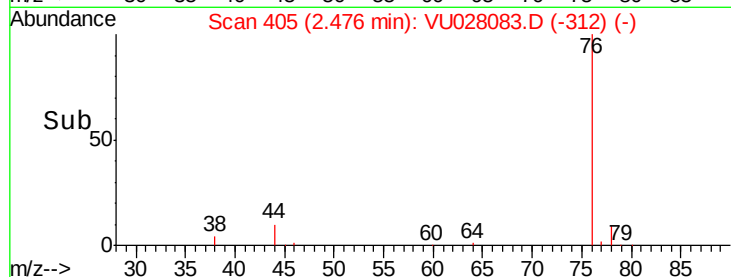
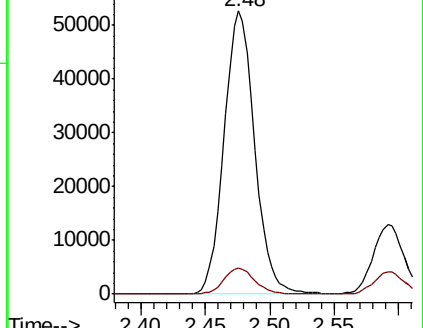
76 100

78 9.1 7.4 11.0



Abundance Ion 75.90 (75.60 to 76.60): VU028083.D (-312) (-)

Ion 77.90 (77.60 to 78.60): VU028083.D (-312) (-)



#18

Methyl Acetate

Concen: 20.946 ug/l

RT: 2.62 min Scan# 449

Delta R.T. 0.00 min

Lab File: VU028083.D

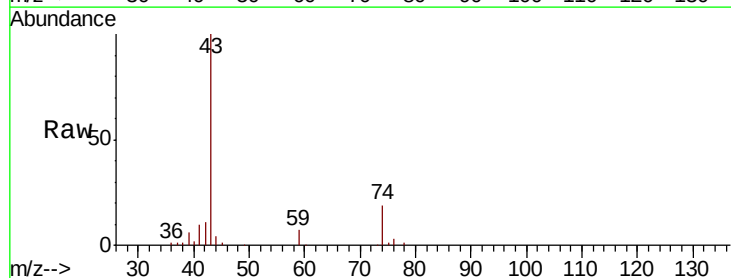
Acq: 13 Nov 2018 11:40

Tgt Ion: 43 Resp: 78943

Ion Ratio Lower Upper

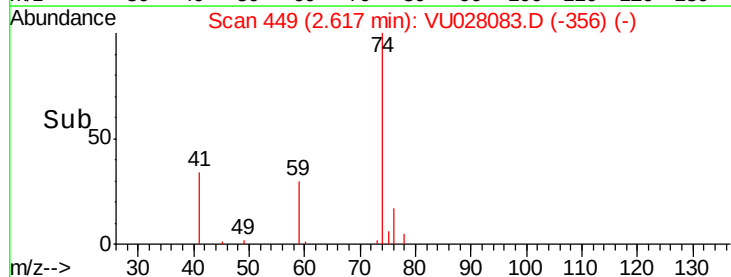
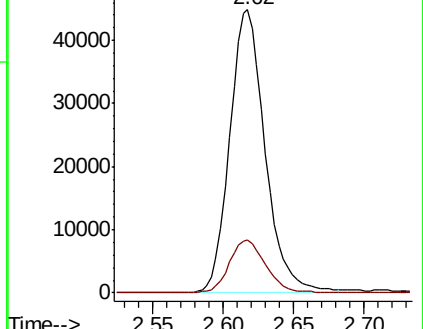
43 100

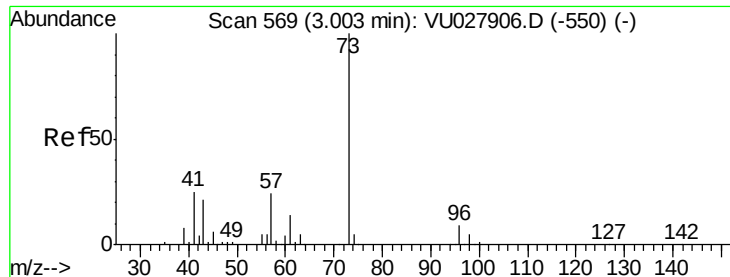
74 19.2 14.9 22.3



Abundance Ion 43.00 (42.70 to 43.70): VU028083.D (-356) (-)

Ion 74.00 (73.70 to 74.70): VU028083.D (-356) (-)

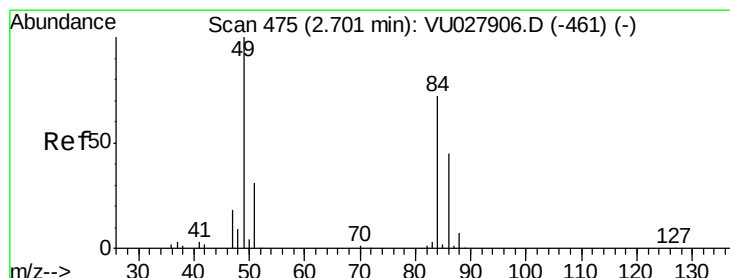
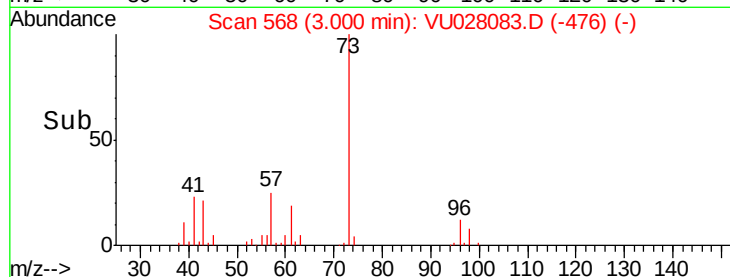
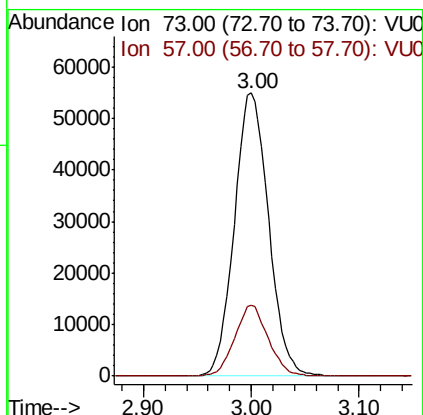
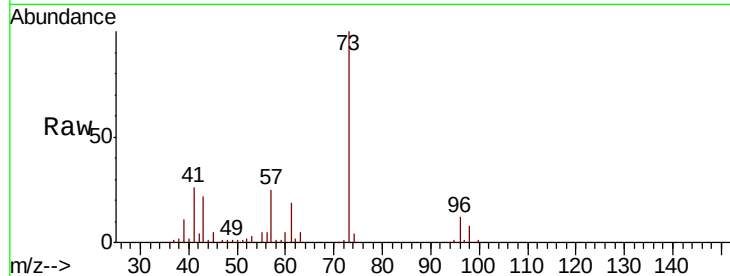




#19
Methyl tert-butyl Ether
Concen: 19.350 ug/l
RT: 3.00 min Scan# 568
Delta R.T. -0.00 min
Lab File: VU028083.D
Acq: 13 Nov 2018 11:40

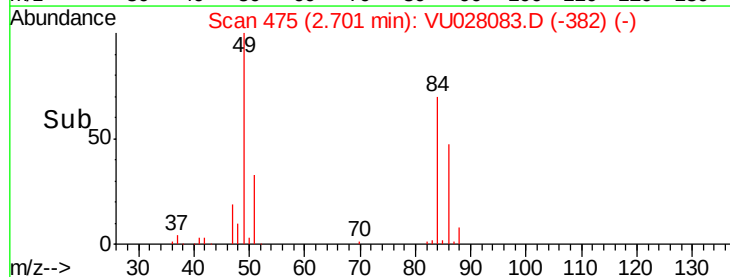
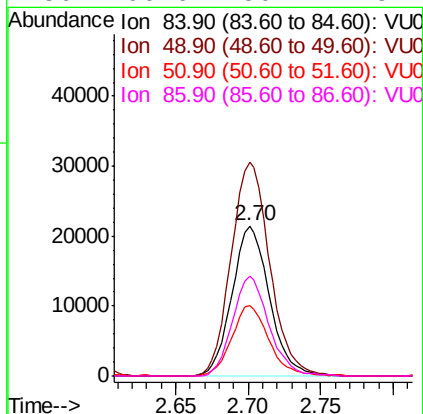
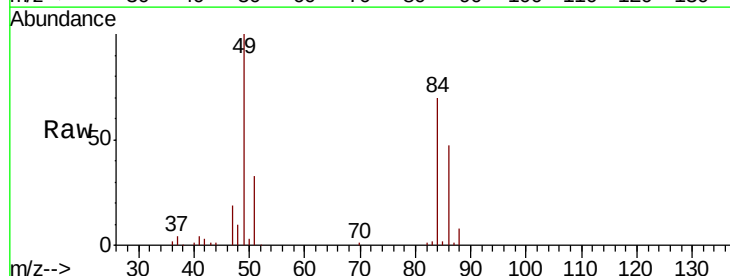
Instrument :
MSVOA_U
ClientSampled :

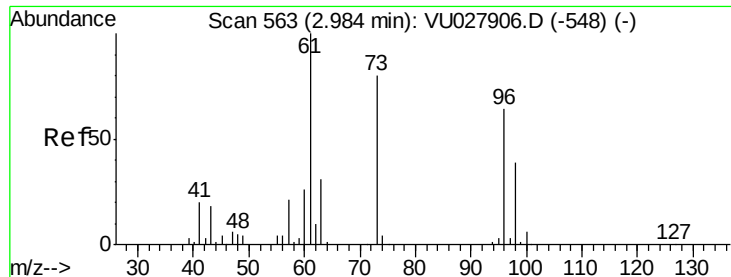
Tot Ion: 73 Resp: 121475
Ion Ratio Lower Upper
73 100
57 25.3 19.3 28.9



#20
Methylene Chloride
Concen: 19.194 ug/l
RT: 2.70 min Scan# 475
Delta R.T. 0.00 min
Lab File: VU028083.D
Acq: 13 Nov 2018 11:40

Tgt Ion: 84 Resp: 38397
Ion Ratio Lower Upper
84 100
49 142.0 111.6 167.4
51 47.0 34.8 52.2
86 66.6 50.1 75.1





#21

trans-1,2-Dichloroethene

Concen: 17.695 ug/l

RT: 2.98 min Scan# 562

Delta R.T. -0.00 min

Lab File: VU028083.D

Acq: 13 Nov 2018 11:40

Instrument :

MSVOA_U

ClientSampleId :

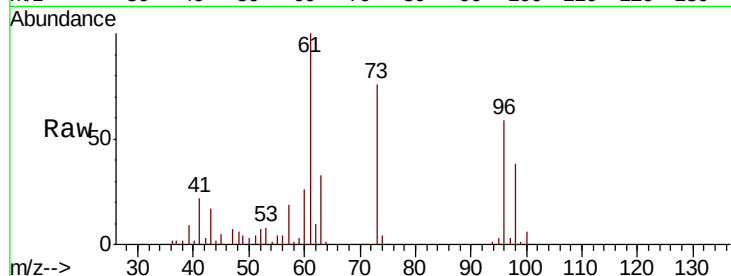
Tot Ion: 96 Resp: 31789

Ion Ratio Lower Upper

96 100

61 168.6 125.0 187.6

98 64.1 48.2 72.4

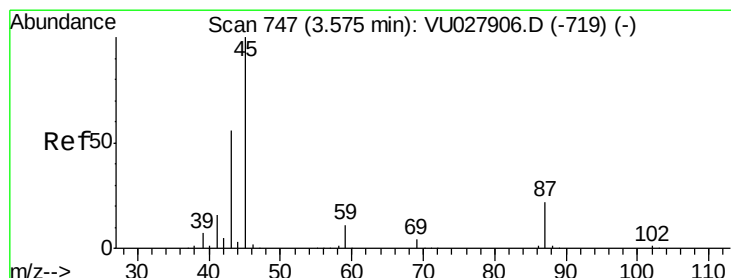
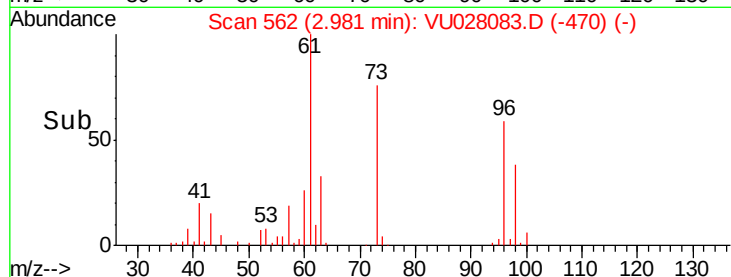
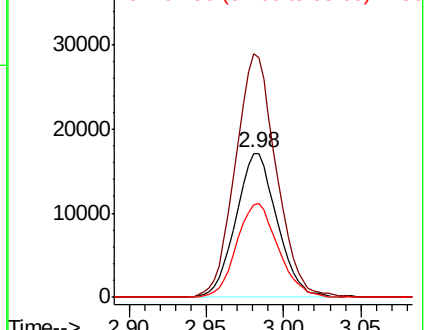


Abundance

Ion 95.90 (95.60 to 96.60): VU0

Ion 60.90 (60.60 to 61.60): VU0

Ion 97.90 (97.60 to 98.60): VU0



#22

Diisopropyl ether

Concen: 20.210 ug/l

RT: 3.57 min Scan# 746

Delta R.T. -0.00 min

Lab File: VU028083.D

Acq: 13 Nov 2018 11:40

Tgt Ion: 45 Resp: 158746

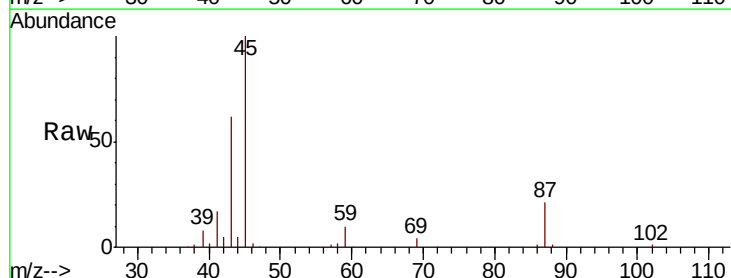
Ion Ratio Lower Upper

45 100

43 60.8 45.0 67.6

87 21.3 17.9 26.9

59 10.3 8.6 12.8



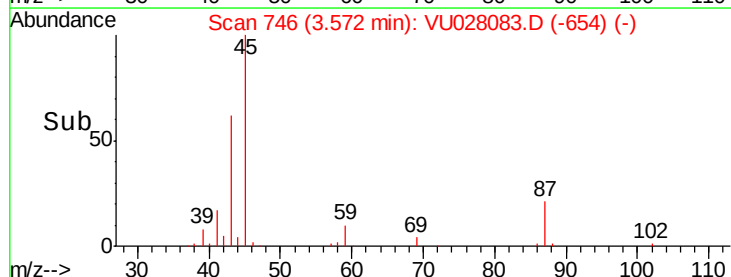
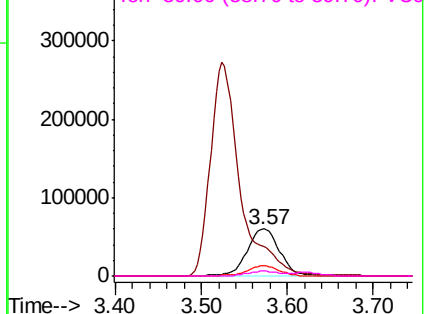
Abundance

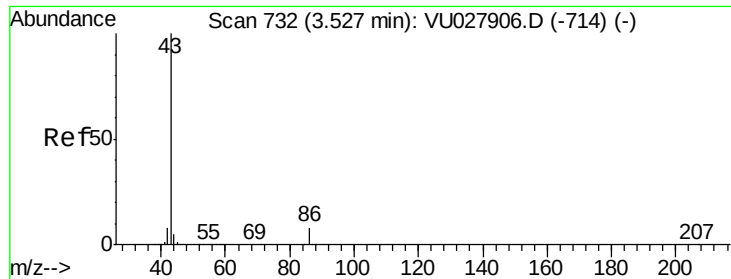
Ion 45.00 (44.70 to 45.70): VU0

Ion 43.00 (42.70 to 43.70): VU0

Ion 87.00 (86.70 to 87.70): VU0

Ion 59.00 (58.70 to 59.70): VU0





#23

Vinyl Acetate

Concen: 98.097 ug/l

RT: 3.52 min Scan# 731

Delta R.T. -0.00 min

Lab File: VU028083.D

Acq: 13 Nov 2018 11:40

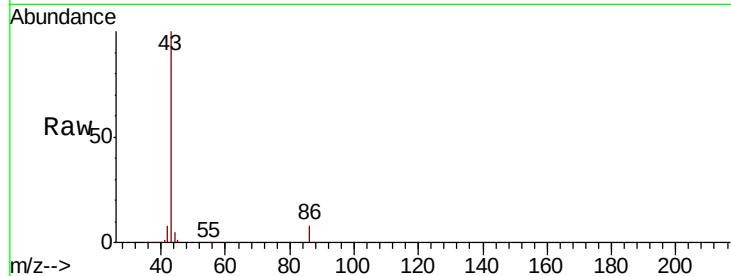
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 43 Resp: 662213

Ion Ratio Lower Upper

43 100

86 8.0 6.6 9.8



Abundance Ion 43.00 (42.70 to 43.70): VU027906.D (-714) (-)

Ion 86.00 (85.70 to 86.70): VU027906.D (-714) (-)

3.52

250000

200000

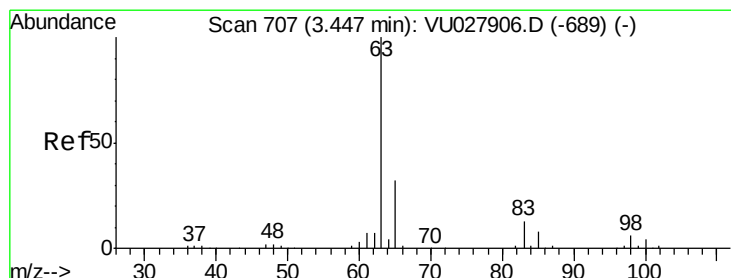
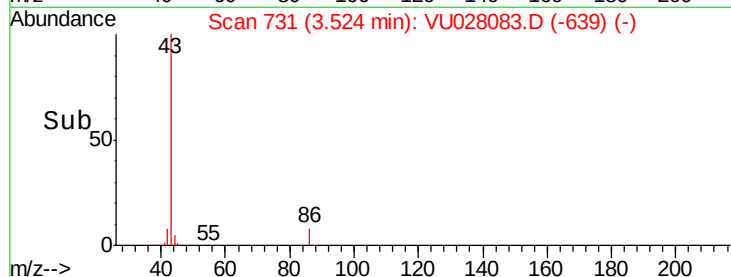
150000

100000

50000

0

Time-->



#24

1,1-Dichloroethane

Concen: 19.181 ug/l

RT: 3.45 min Scan# 707

Delta R.T. 0.00 min

Lab File: VU028083.D

Acq: 13 Nov 2018 11:40

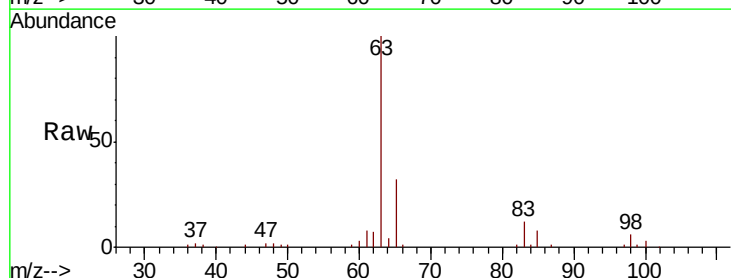
Tgt Ion: 63 Resp: 75046

Ion Ratio Lower Upper

63 100

98 5.5 2.9 8.6

100 3.1 2.0 6.0



Abundance Ion 62.90 (62.60 to 63.60): VU027906.D (-689) (-)

Ion 97.90 (97.60 to 98.60): VU027906.D (-689) (-)

Ion 99.90 (99.60 to 100.60): VU027906.D (-689) (-)

3.45

40000

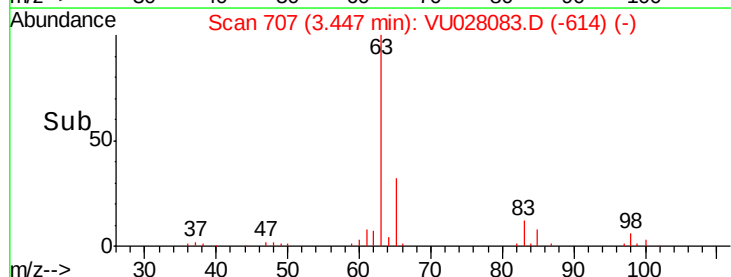
30000

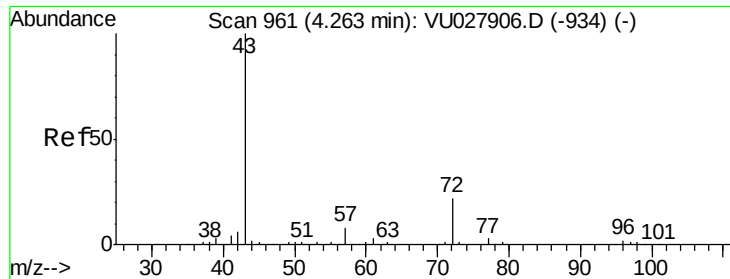
20000

10000

0

Time-->





#25

2-Butanone

Concen: 100.115 ug/l

RT: 4.26 min Scan# 961

Delta R.T. 0.00 min

Lab File: VU028083.D

Acq: 13 Nov 2018 11:40

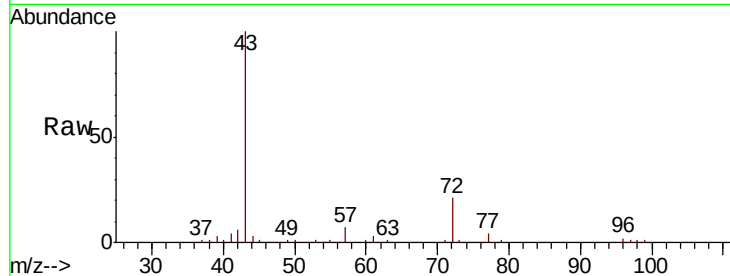
Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 43 Resp: 218221

Ion Ratio Lower Upper

43 100

72 21.1 17.7 26.5



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 72.00 (71.70 to 72.70): VU0

4.26

100000

80000

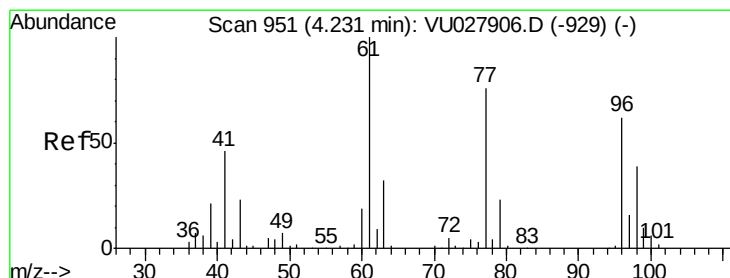
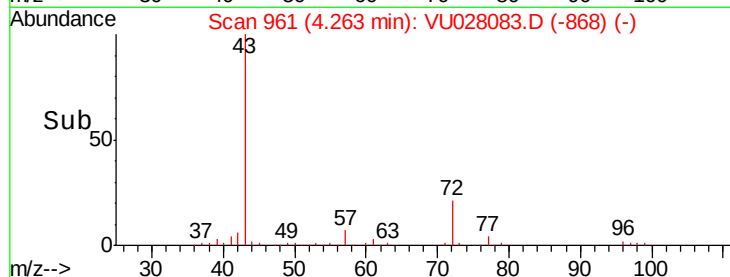
60000

40000

20000

0

Time--> 4.15 4.20 4.25 4.30 4.35



#26

2,2-Dichloropropane

Concen: 19.850 ug/l

RT: 4.23 min Scan# 950

Delta R.T. -0.00 min

Lab File: VU028083.D

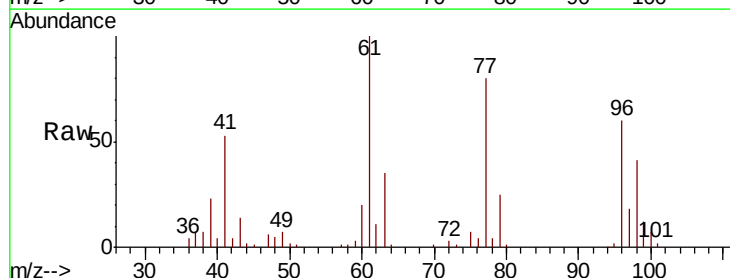
Acq: 13 Nov 2018 11:40

Tgt Ion: 77 Resp: 58280

Ion Ratio Lower Upper

77 100

97 22.7 11.2 33.5



Abundance Ion 76.90 (76.60 to 77.60): VU0

Ion 96.90 (96.60 to 97.60): VU0

4.23

25000

20000

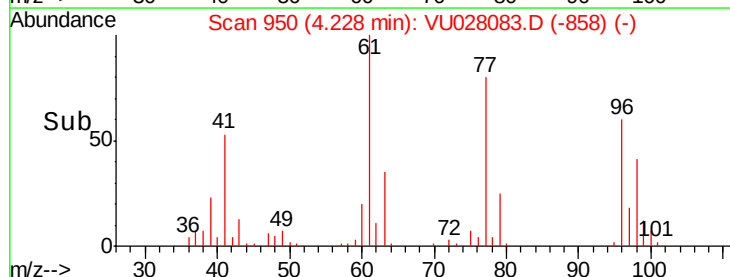
15000

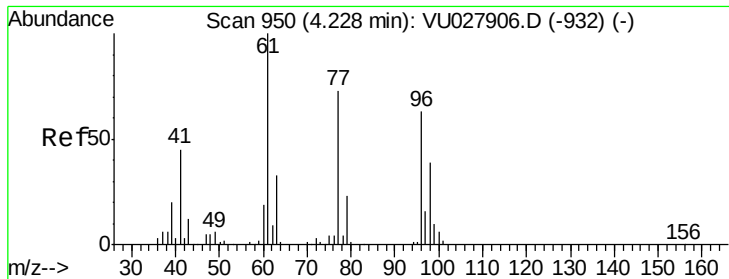
10000

5000

0

Time--> 4.10 4.20 4.30



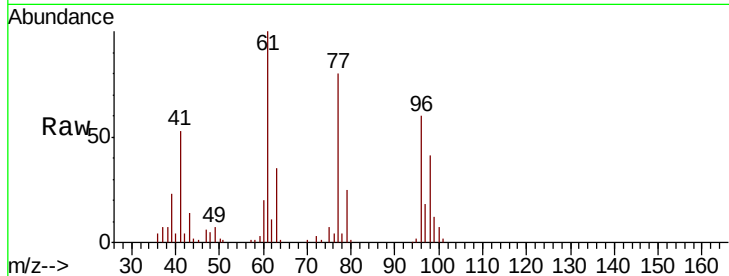


#27

cis-1,2-Dichloroethene
 Concen: 19.986 ug/l
 RT: 4.23 min Scan# 950
 Delta R.T. 0.00 min
 Lab File: VU028083.D
 Acq: 13 Nov 2018 11:40

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion	96	Resp	40262
Ion	Ratio	Lower	Upper
96	100		
61	166.7	0.0	329.6
98	64.2	0.0	127.2

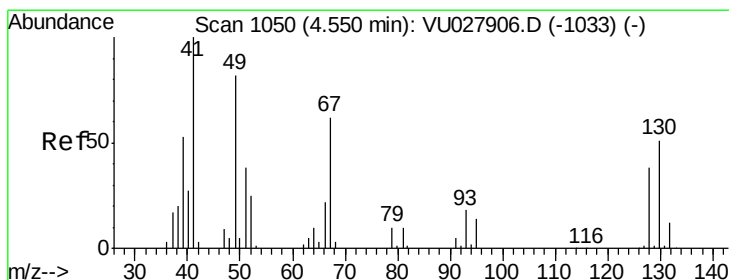
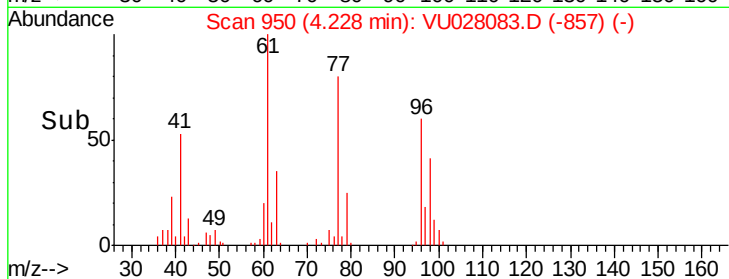
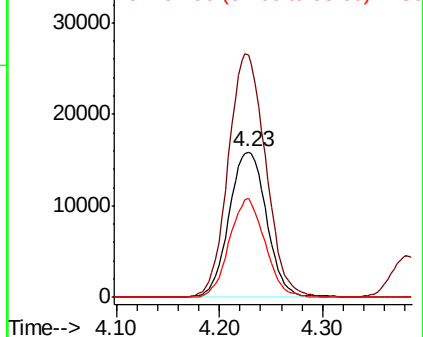


Abundance

Ion 95.90 (95.60 to 96.60): VU0

Ion 60.90 (60.60 to 61.60): VU0

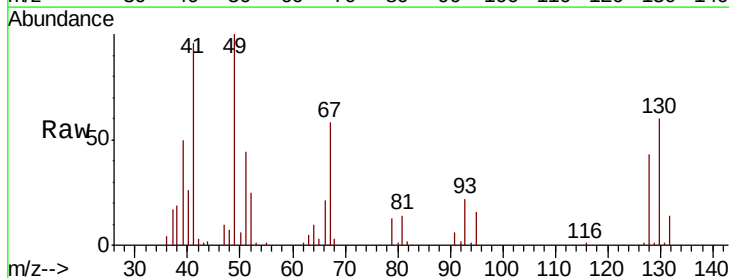
Ion 97.90 (97.60 to 98.60): VU0



#28

Bromochloromethane
 Concen: 22.936 ug/l
 RT: 4.55 min Scan# 1049
 Delta R.T. -0.00 min
 Lab File: VU028083.D
 Acq: 13 Nov 2018 11:40

Tgt Ion	49	Resp	42068
Ion	Ratio	Lower	Upper
49	100		
129	0.9	0.0	3.0
130	59.1	47.8	71.6

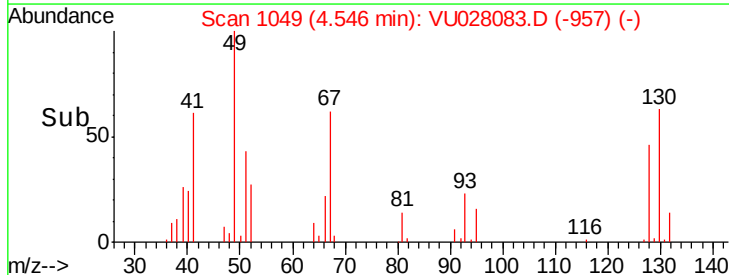
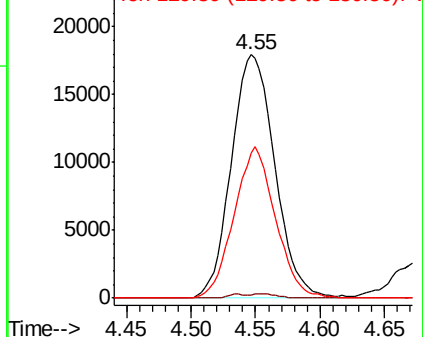


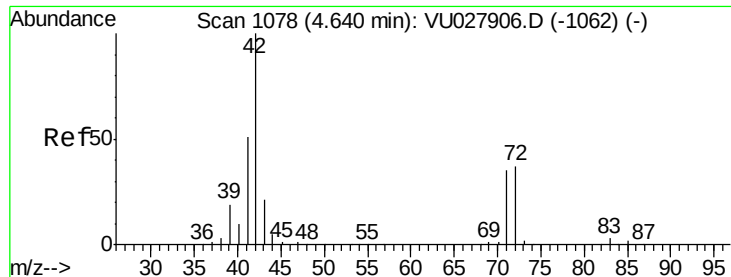
Abundance

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: 94.651 ug/l

RT: 4.64 min Scan# 1077

Delta R.T. -0.00 min

Lab File: VU028083.D

Acq: 13 Nov 2018 11:40

Instrument :

MSVOA_U

ClientSampled :

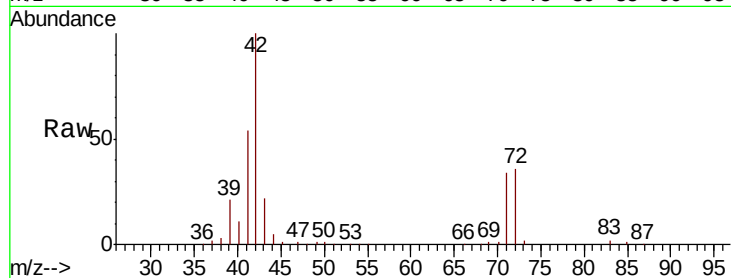
Tot Ion: 42 Resp: 137762

Ion Ratio Lower Upper

42 100

72 36.6 29.4 44.0

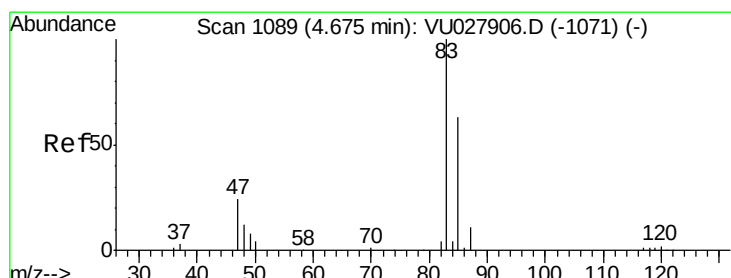
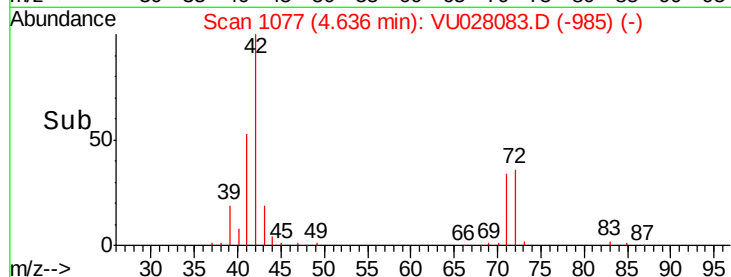
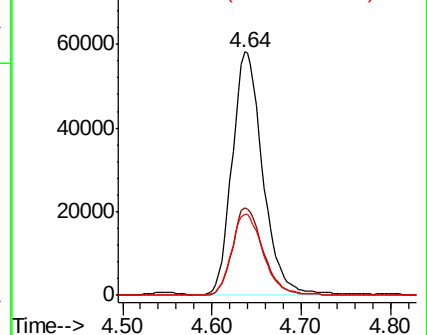
71 34.8 27.9 41.9



Abundance Ion 42.00 (41.70 to 42.70): VU027906.D (-1062) (-)

Ion 72.00 (71.70 to 72.70): VU027906.D (-1062) (-)

Ion 71.00 (70.70 to 71.70): VU027906.D (-1062) (-)



#30

Chloroform

Concen: 19.476 ug/l

RT: 4.67 min Scan# 1089

Delta R.T. 0.00 min

Lab File: VU028083.D

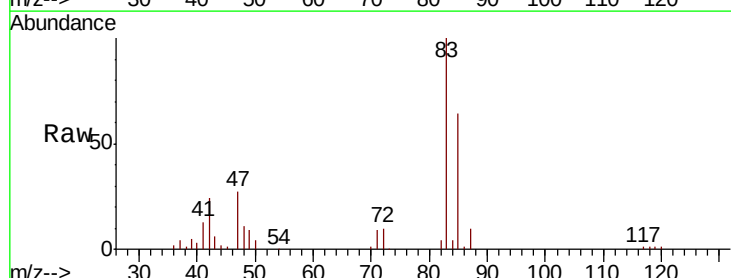
Acq: 13 Nov 2018 11:40

Tgt Ion: 83 Resp: 69868

Ion Ratio Lower Upper

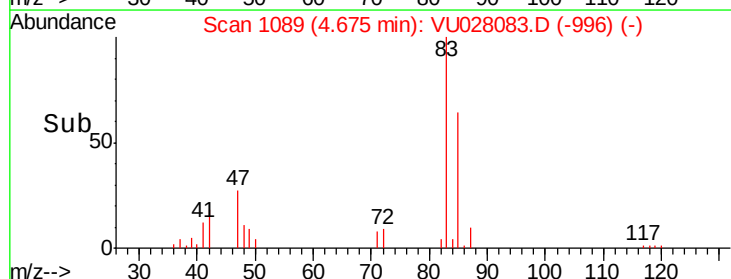
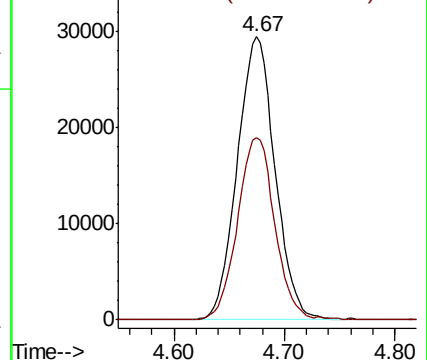
83 100

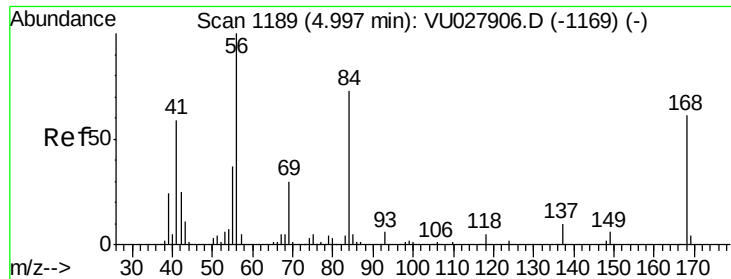
85 64.4 50.6 76.0



Abundance Ion 82.90 (82.60 to 83.60): VU027906.D (-1071) (-)

Ion 84.90 (84.60 to 85.60): VU027906.D (-1071) (-)

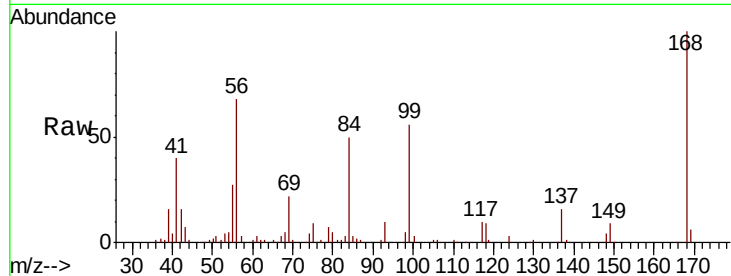




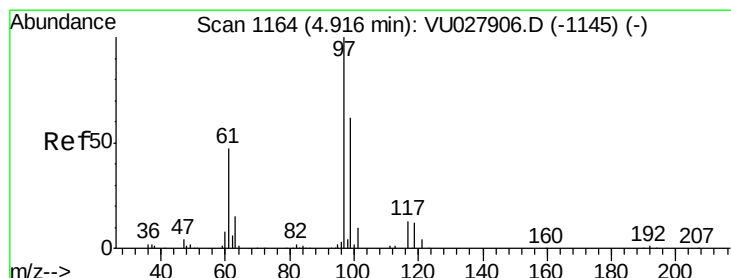
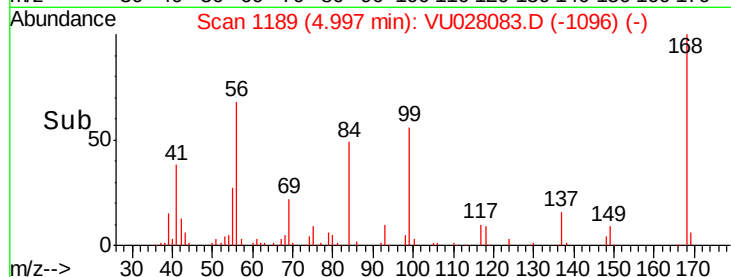
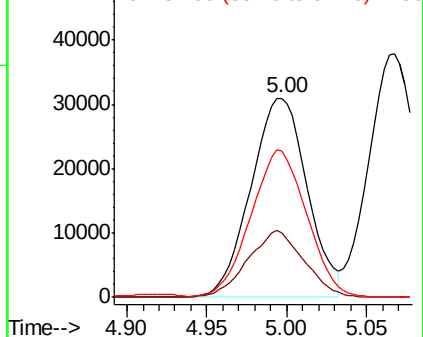
#31
Cyclohexane
Concen: 18.605 ug/l
RT: 5.00 min Scan# 1189
Delta R.T. 0.00 min
Lab File: VU028083.D
Acq: 13 Nov 2018 11:40

Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 56 Resp: 75504
Ion Ratio Lower Upper
56 100
69 32.5 23.7 35.5
84 73.0 58.2 87.4

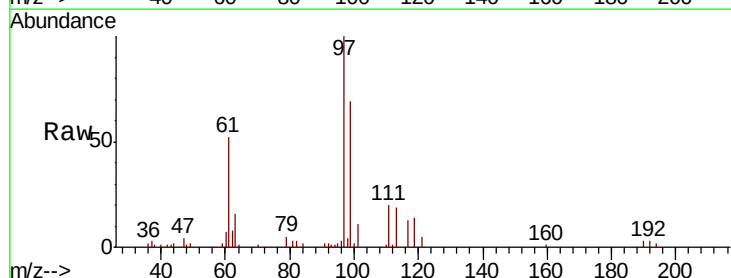


Abundance Ion 56.00 (55.70 to 56.70): VU0
Ion 69.00 (68.70 to 69.70): VU0
Ion 84.00 (83.70 to 84.70): VU0

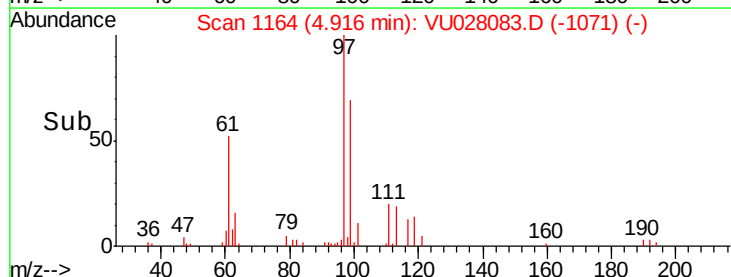
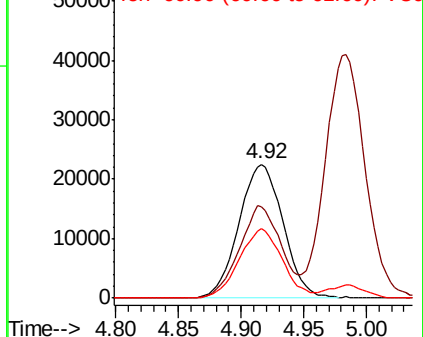


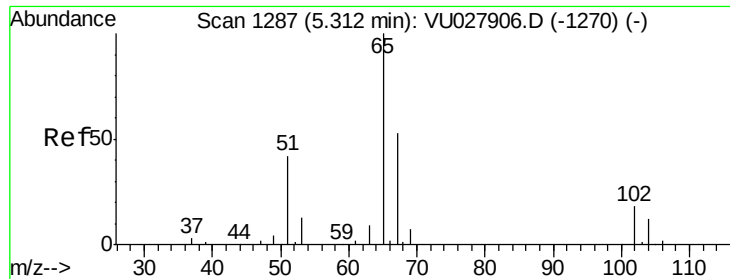
#32
1,1,1-Trichloroethane
Concen: 19.339 ug/l
RT: 4.92 min Scan# 1164
Delta R.T. 0.00 min
Lab File: VU028083.D
Acq: 13 Nov 2018 11:40

Tgt Ion: 97 Resp: 55224
Ion Ratio Lower Upper
97 100
99 65.8 50.5 75.7
61 50.4 38.3 57.5



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

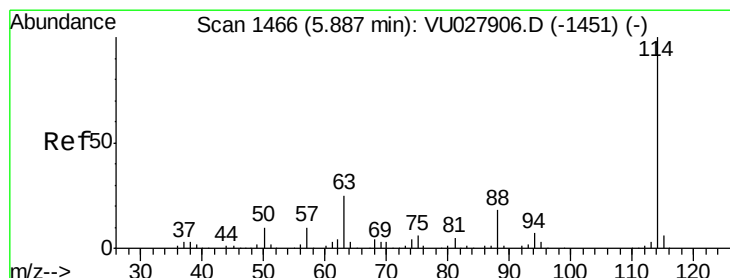
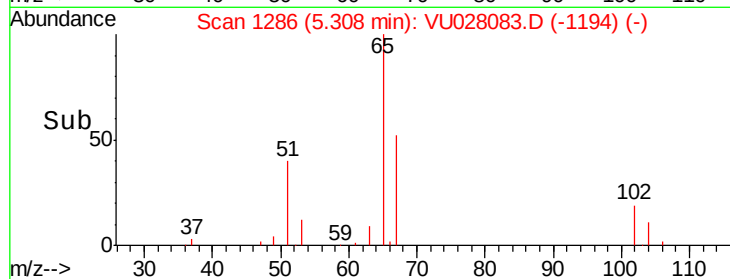
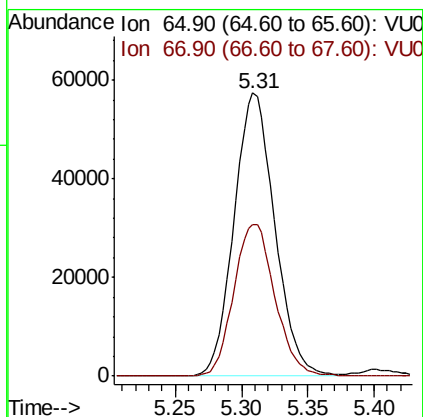
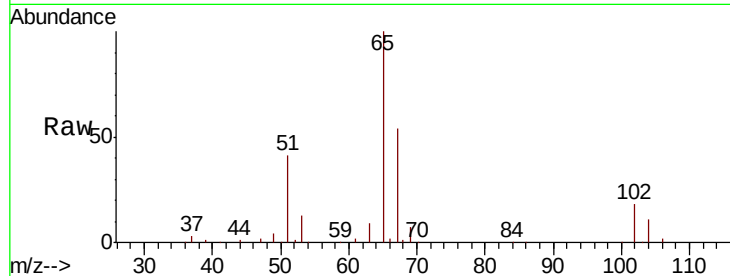




#33
 1,2-Dichloroethane-d4
 Concen: 55.515 ug/l
 RT: 5.31 min Scan# 1286
 Delta R.T. -0.00 min
 Lab File: VU028083.D
 Acq: 13 Nov 2018 11:40

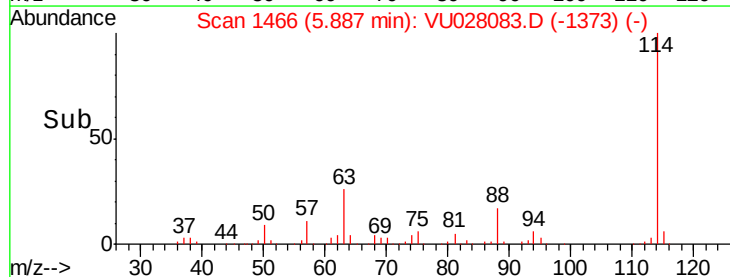
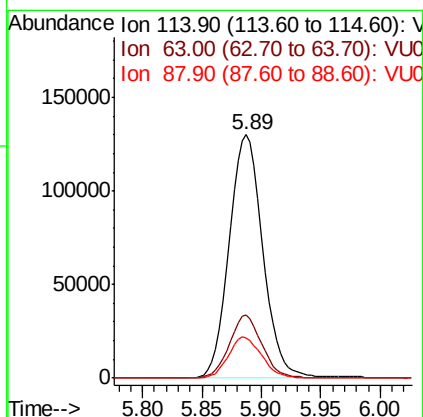
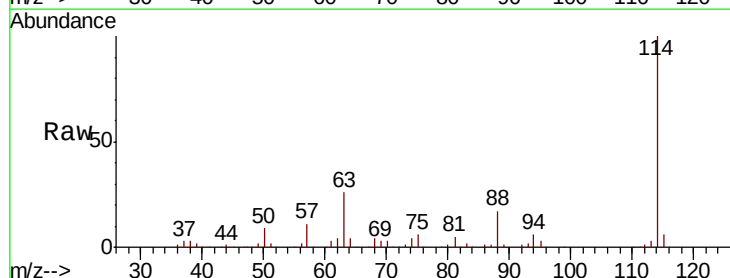
Instrument :
 MSVOA_U
 ClientSampleId :

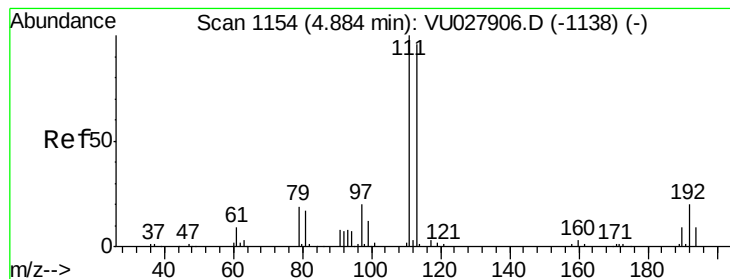
Tot Ion: 65 Resp: 122592
 Ion Ratio Lower Upper
 65 100
 67 54.0 0.0 109.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.89 min Scan# 1466
 Delta R.T. 0.00 min
 Lab File: VU028083.D
 Acq: 13 Nov 2018 11:40

Tgt Ion: 114 Resp: 255054
 Ion Ratio Lower Upper
 114 100
 63 25.8 0.0 50.8
 88 16.6 0.0 35.8





#35

Dibromofluoromethane

Concen: 53.750 ug/l

RT: 4.88 min Scan# 1154

Delta R.T. 0.00 min

Lab File: VU028083.D

Acq: 13 Nov 2018 11:40

Instrument :
MSVOA_U
ClientSampled :

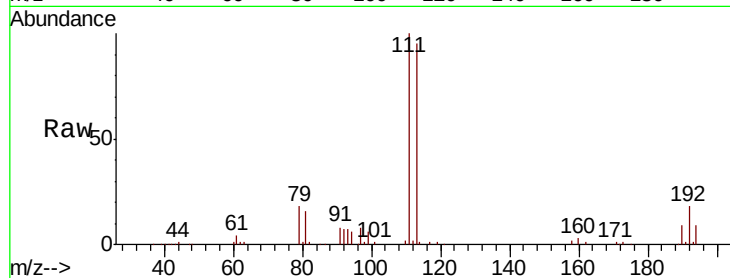
Tot Ion:113 Resp: 86439

Ion Ratio Lower Upper

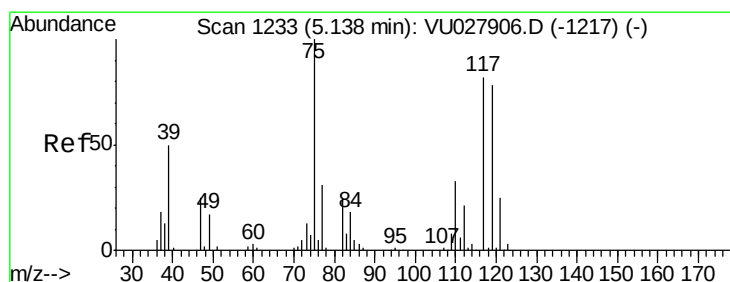
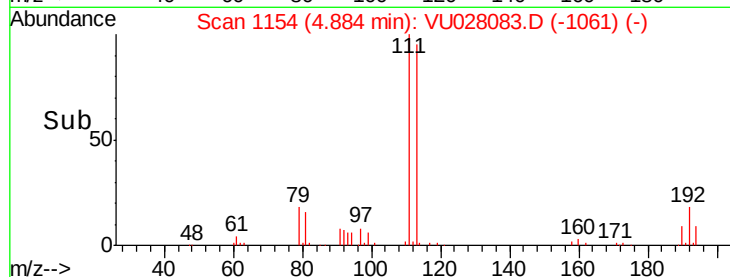
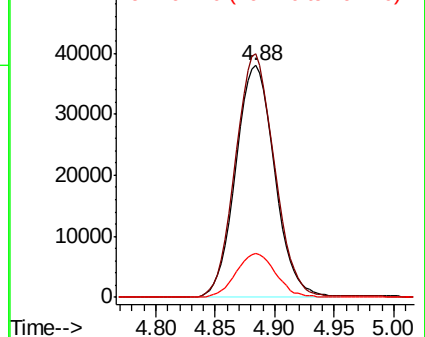
113 100

111 104.7 83.0 124.6

192 19.3 15.6 23.4



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: 18.956 ug/l

RT: 5.14 min Scan# 1233

Delta R.T. 0.00 min

Lab File: VU028083.D

Acq: 13 Nov 2018 11:40

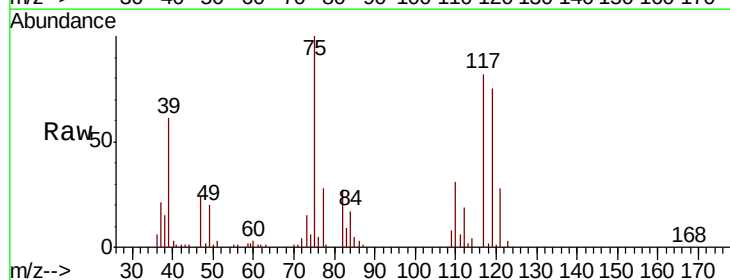
Tgt Ion: 75 Resp: 50637

Ion Ratio Lower Upper

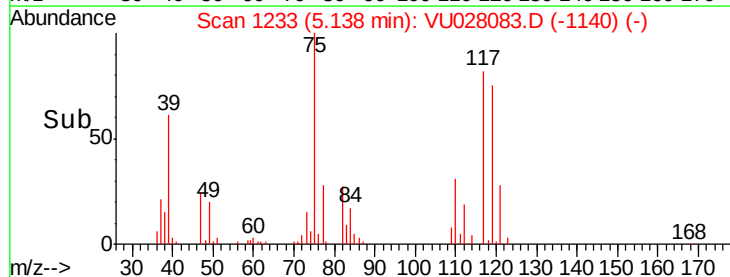
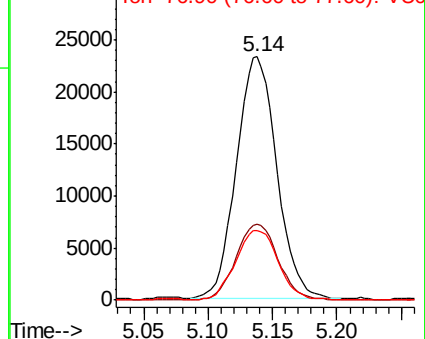
75 100

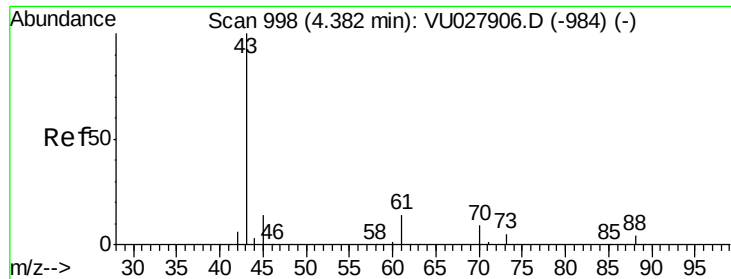
110 32.6 16.5 49.5

77 30.4 24.9 37.3



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

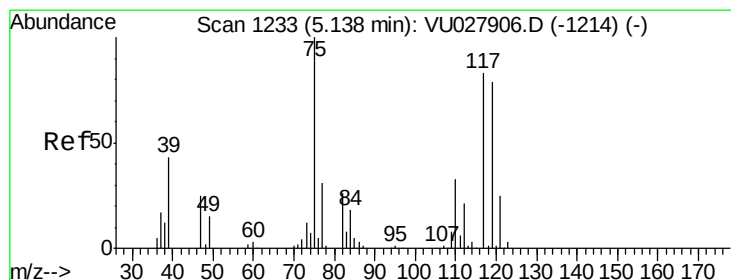
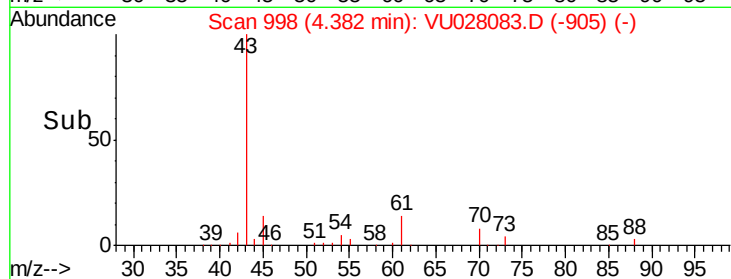
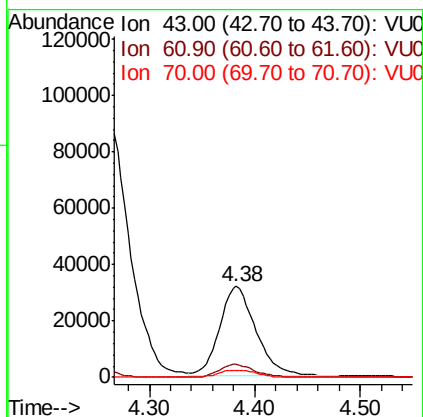
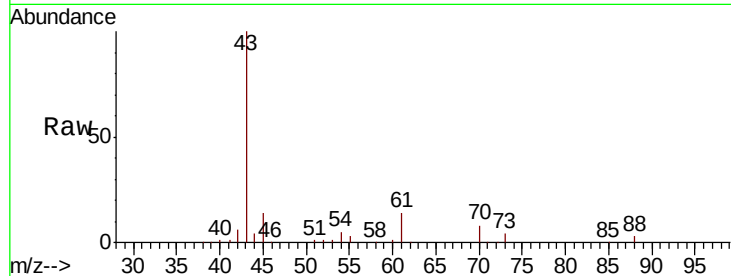




#37
Ethyl Acetate
Concen: 19.500 ug/l
RT: 4.38 min Scan# 998
Delta R.T. 0.00 min
Lab File: VU028083.D
Acq: 13 Nov 2018 11:40

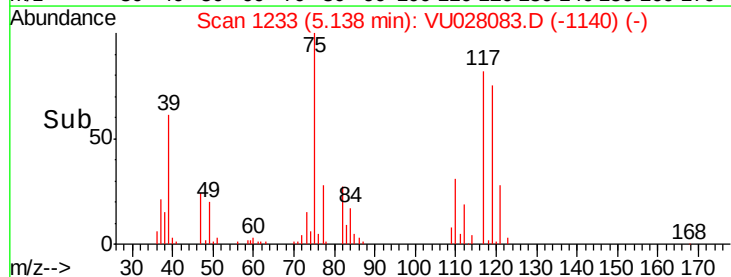
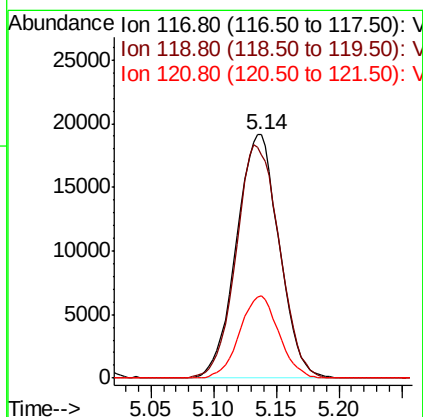
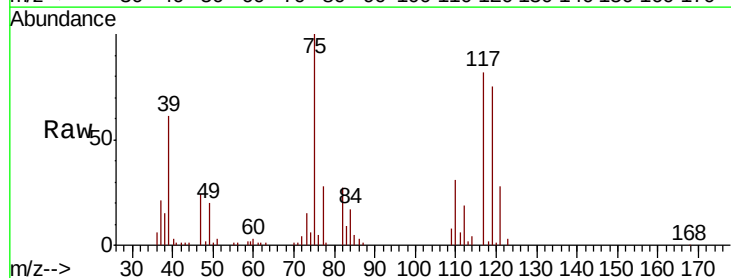
Instrument :
MSVOA_U
ClientSampled :

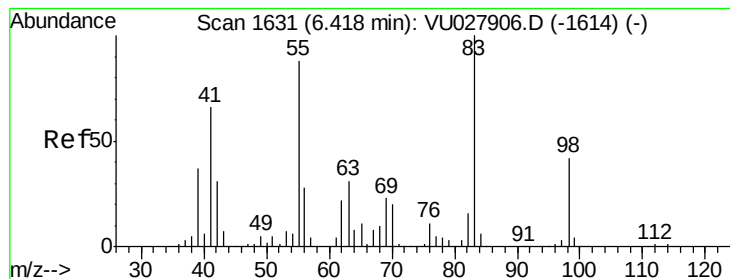
Tot Ion: 43 Resp: 76325
Ion Ratio Lower Upper
43 100
61 14.2 10.3 15.5
70 4.3 7.0 10.6#



#38
Carbon Tetrachloride
Concen: 19.143 ug/l
RT: 5.14 min Scan# 1233
Delta R.T. 0.00 min
Lab File: VU028083.D
Acq: 13 Nov 2018 11:40

Tgt Ion: 117 Resp: 45318
Ion Ratio Lower Upper
117 100
119 91.8 76.0 114.0
121 33.7 24.5 36.7





#39

Methylvlcyclohexane

Concen: 19.380 ug/l

RT: 6.41 min Scan# 1630

Delta R.T. -0.00 min

Lab File: VU028083.D

Acq: 13 Nov 2018 11:40

Instrument :

MSVOA_U

ClientSampleId :

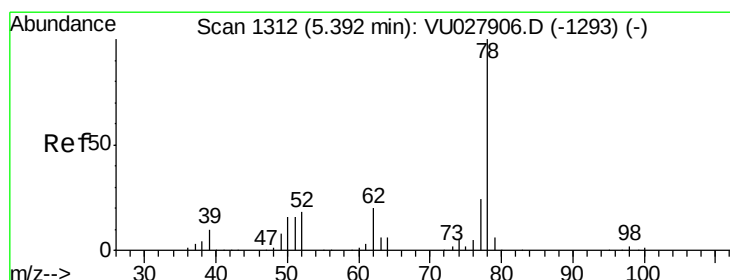
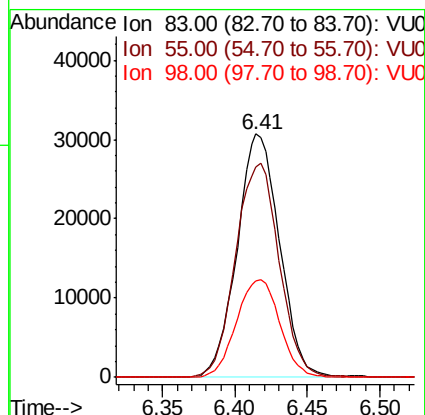
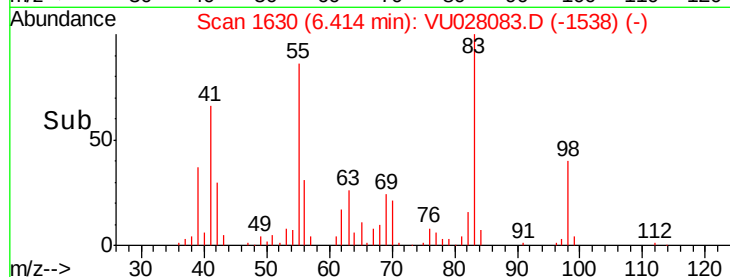
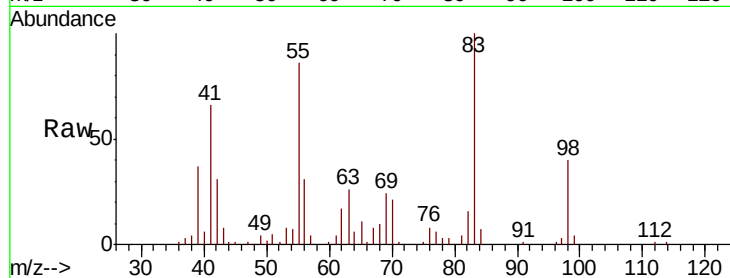
Tot Ion: 83 Resp: 62440

Ion Ratio Lower Upper

83 100

55 86.4 70.3 105.5

98 39.7 34.0 51.0



#40

Benzene

Concen: 19.513 ug/l

RT: 5.39 min Scan# 1311

Delta R.T. -0.00 min

Lab File: VU028083.D

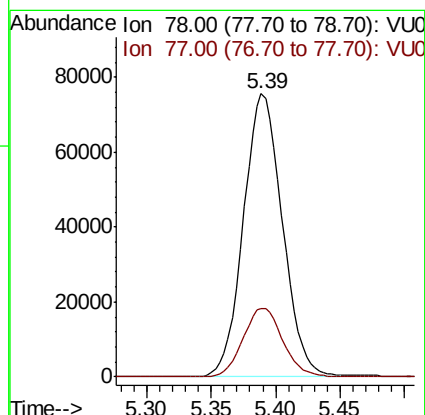
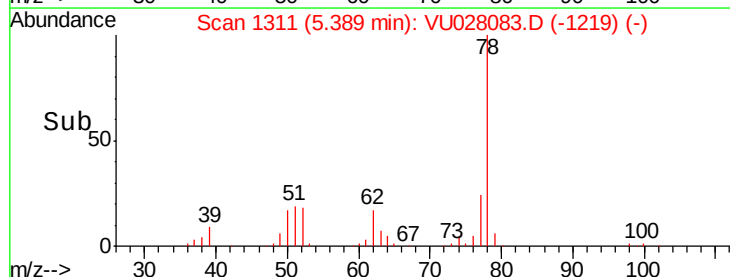
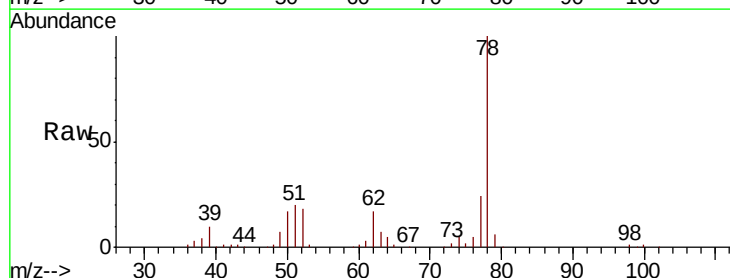
Acq: 13 Nov 2018 11:40

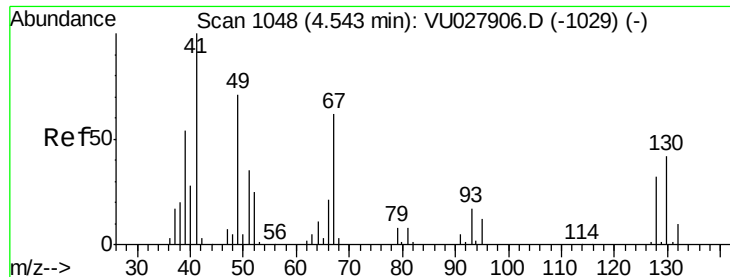
Tgt Ion: 78 Resp: 159368

Ion Ratio Lower Upper

78 100

77 24.4 19.3 28.9

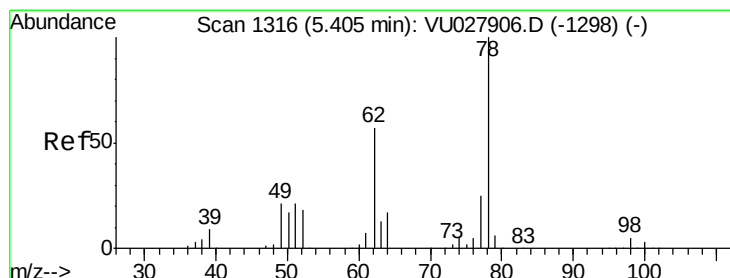
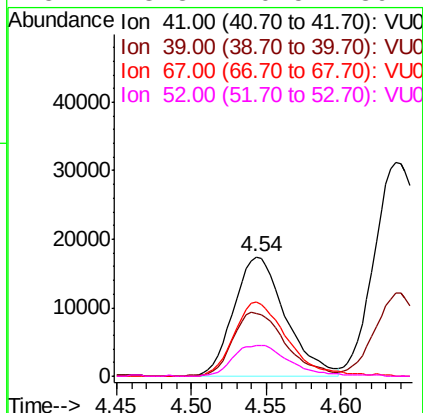
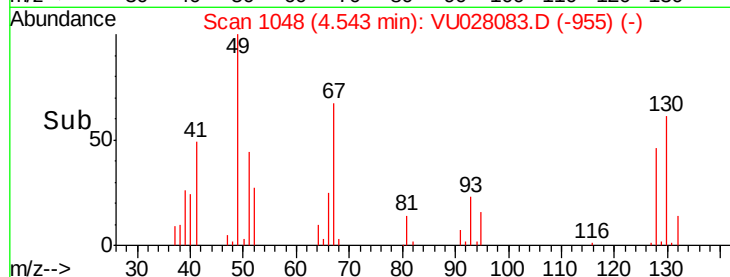
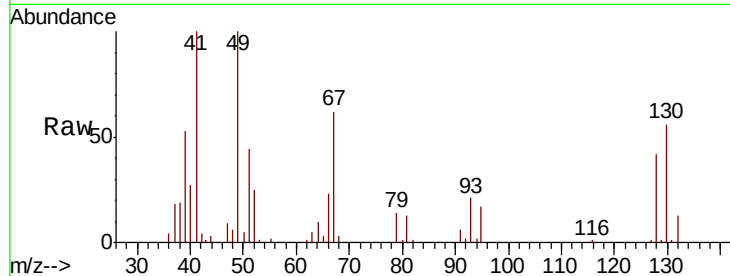




#41
Methacrylonitrile
Concen: 20.097 ug/l
RT: 4.54 min Scan# 1048
Delta R.T. 0.00 min
Lab File: VU028083.D
Acq: 13 Nov 2018 11:40

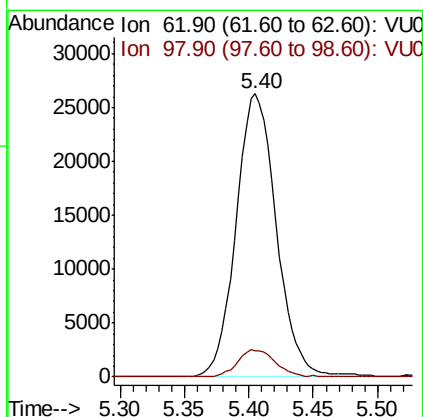
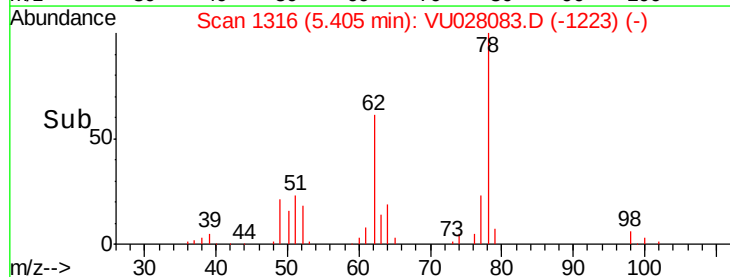
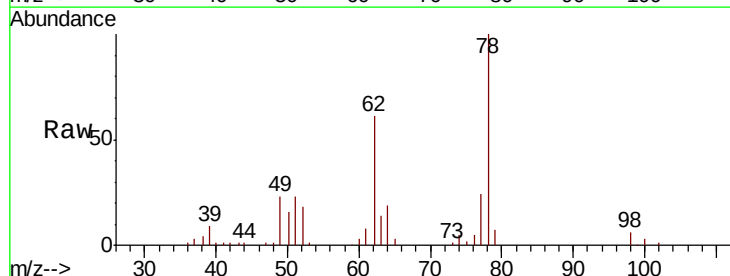
Instrument :
MSVOA_U
ClientSampled :

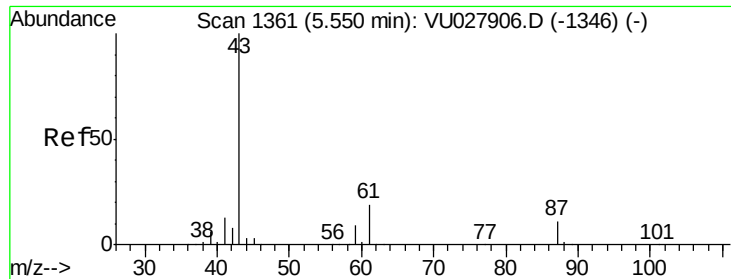
Tot Ion:	41	Resp:	41978
Ion	Ratio	Lower	Upper
41	100		
39	55.1	42.2	63.4
67	63.1	49.5	74.3
52	28.3	20.5	30.7



#42
1,2-Dichloroethane
Concen: 19.637 ug/l
RT: 5.40 min Scan# 1316
Delta R.T. 0.00 min
Lab File: VU028083.D
Acq: 13 Nov 2018 11:40

Tgt Ion:	62	Resp:	57006
Ion	Ratio	Lower	Upper
62	100		
98	8.9	0.0	17.2





#43

Isopropyl Acetate

Concen: 19.752 ug/l

RT: 5.55 min Scan# 1361

Delta R.T. 0.00 min

Lab File: VU028083.D

Acq: 13 Nov 2018 11:40

Instrument :

MSVOA_U

ClientSampleId :

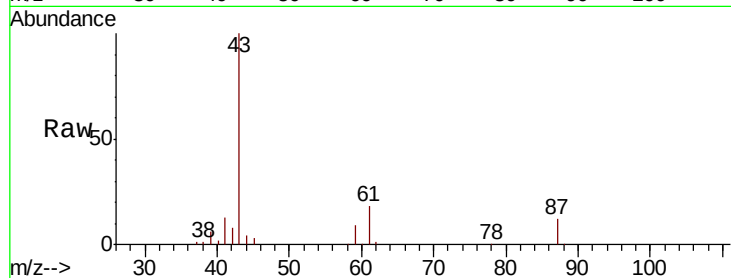
Tot Ion: 43 Resp: 121120

Ion Ratio Lower Upper

43 100

61 18.5 15.0 22.4

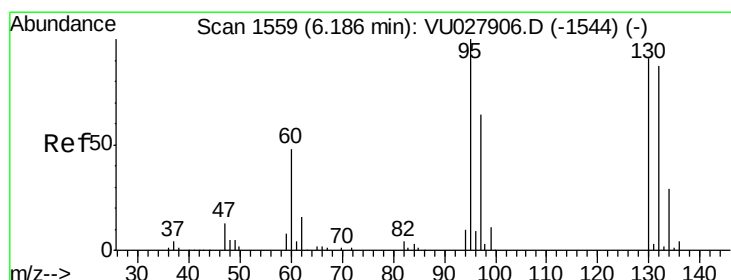
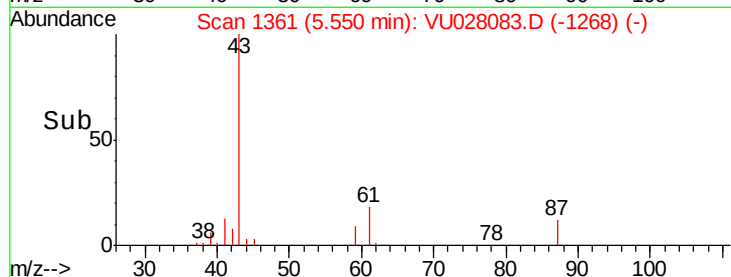
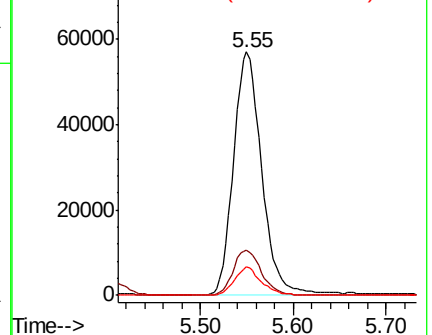
87 10.9 8.6 12.8



Abundance Ion 43.00 (42.70 to 43.70): VU027906.D (-1346) (-)

Ion 61.00 (60.70 to 61.70): VU027906.D (-1346) (-)

Ion 87.00 (86.70 to 87.70): VU027906.D (-1346) (-)



#44

Trichloroethene

Concen: 19.373 ug/l

RT: 6.19 min Scan# 1559

Delta R.T. 0.00 min

Lab File: VU028083.D

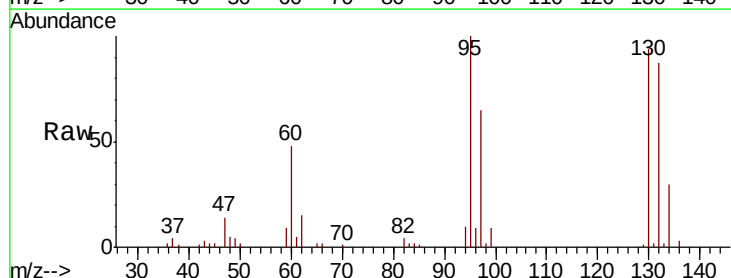
Acq: 13 Nov 2018 11:40

Tgt Ion:130 Resp: 34010

Ion Ratio Lower Upper

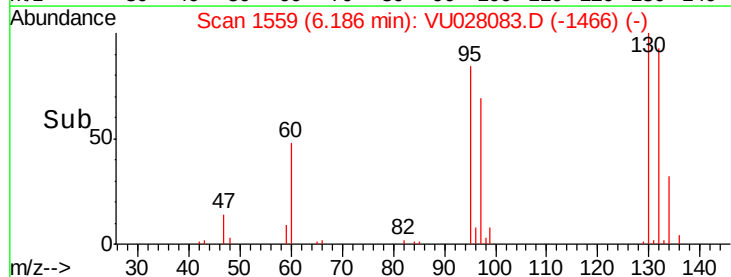
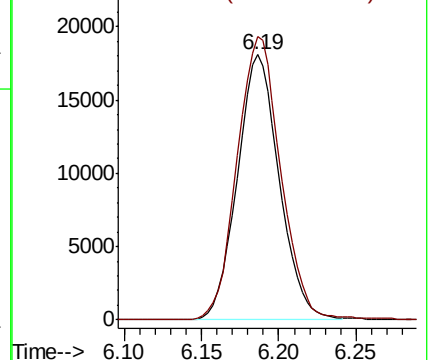
130 100

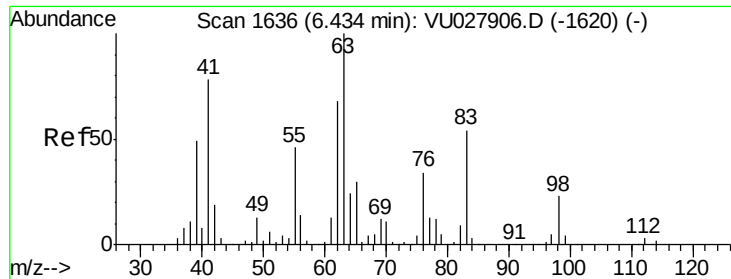
95 106.8 0.0 219.2



Abundance Ion 129.80 (129.50 to 130.50): VU027906.D (-1544) (-)

Ion 94.90 (94.60 to 95.60): VU027906.D (-1544) (-)

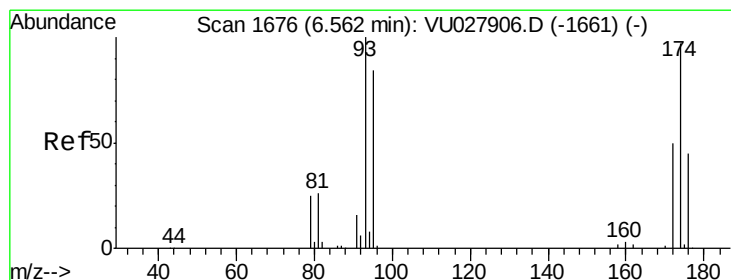
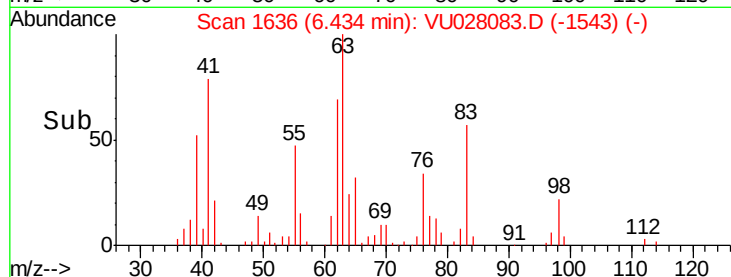
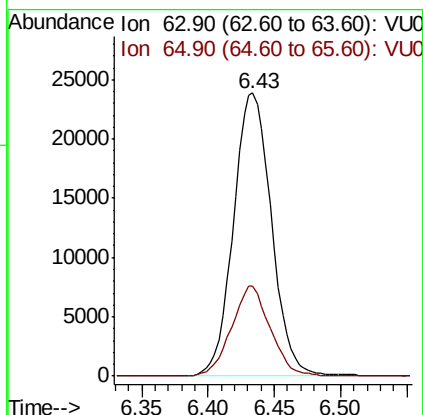
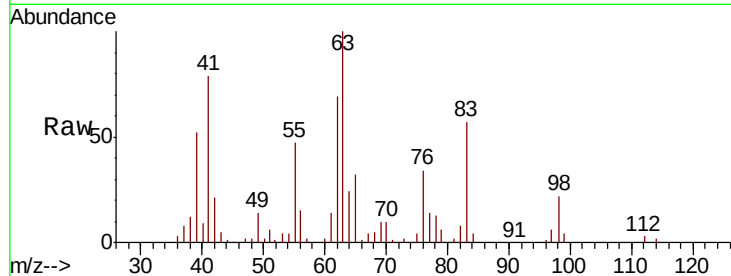




#45
 1,2-Dichloropropane
 Concen: 20.172 ug/l
 RT: 6.43 min Scan# 1636
 Delta R.T. 0.00 min
 Lab File: VU028083.D
 Acq: 13 Nov 2018 11:40

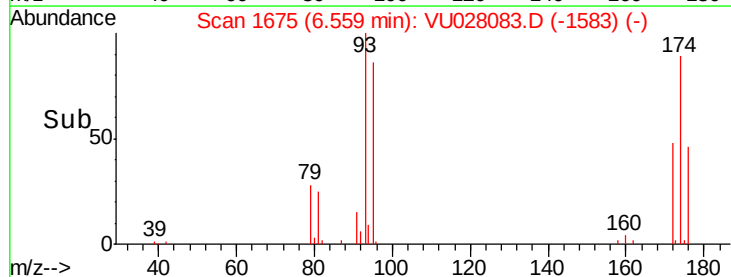
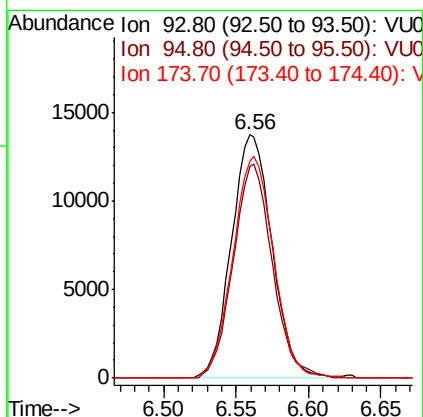
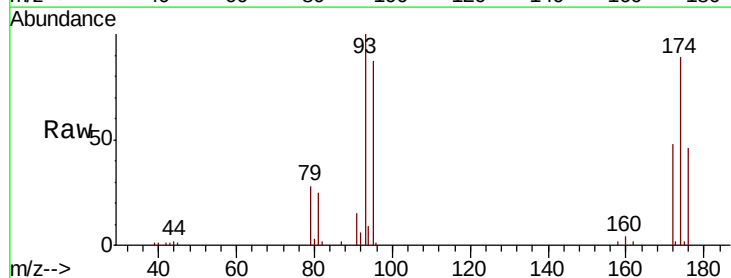
Instrument :
 MSVOA_U
 ClientSampleId :

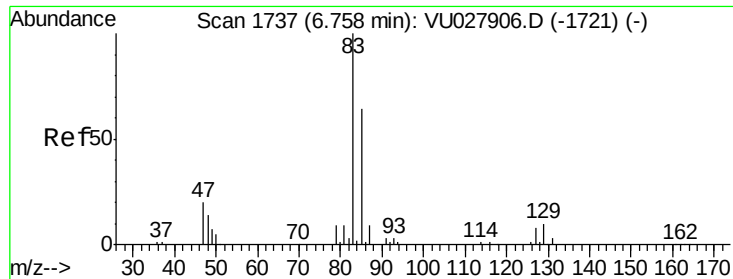
Tot Ion: 63 Resp: 47513
 Ion Ratio Lower Upper
 63 100
 65 32.0 24.4 36.6



#46
 Dibromomethane
 Concen: 19.756 ug/l
 RT: 6.56 min Scan# 1675
 Delta R.T. -0.00 min
 Lab File: VU028083.D
 Acq: 13 Nov 2018 11:40

Tgt Ion: 93 Resp: 26747
 Ion Ratio Lower Upper
 93 100
 95 84.6 68.5 102.7
 174 91.4 76.1 114.1

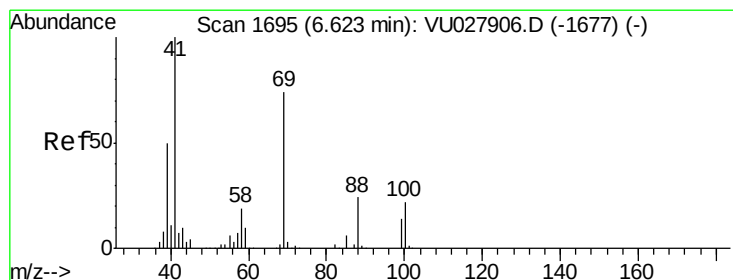
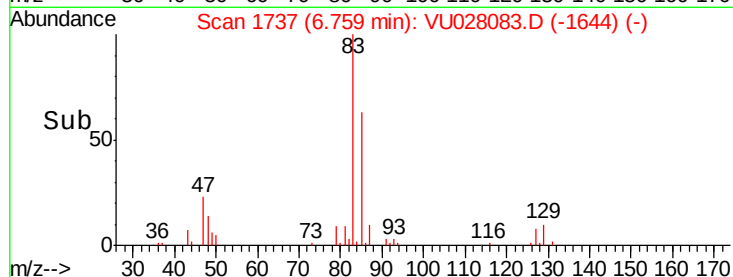
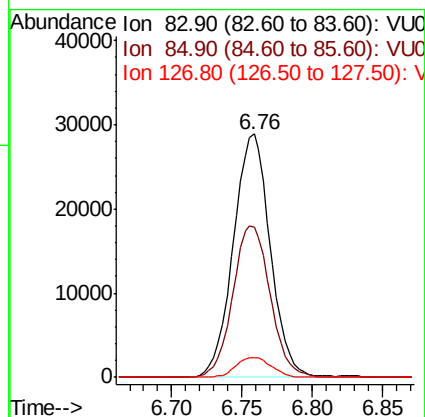
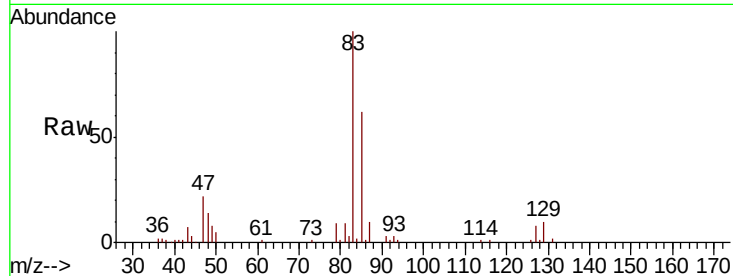




#47
Bromodichloromethane
Concen: 20.320 ug/l
RT: 6.76 min Scan# 1737
Delta R.T. 0.00 min
Lab File: VU028083.D
Acq: 13 Nov 2018 11:40

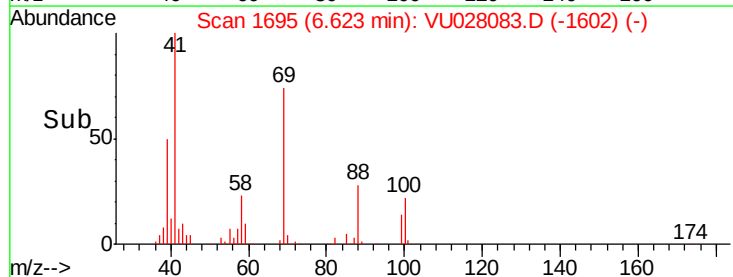
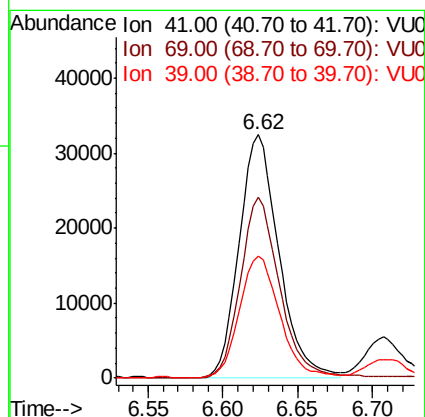
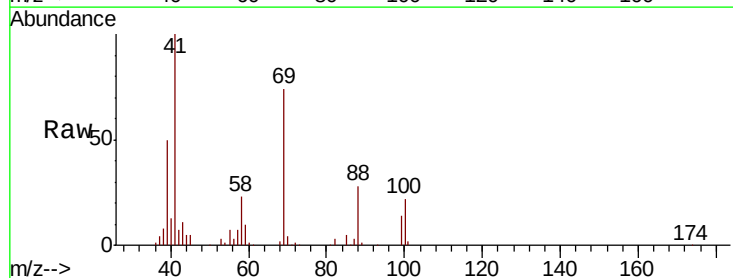
Instrument :
MSVOA_U
ClientSampleId :

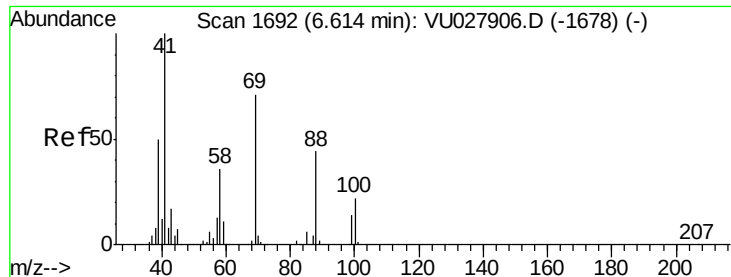
Tot Ion	83	Resp	53016
Ion Ratio	100		
Lower	51.0		
Upper	76.6		
85	61.6		
127	8.2		



#48
Methyl methacrylate
Concen: 20.065 ug/l
RT: 6.62 min Scan# 1695
Delta R.T. 0.00 min
Lab File: VU028083.D
Acq: 13 Nov 2018 11:40

Tgt Ion	41	Resp	60294
Ion Ratio	100		
Lower	59.8		
Upper	89.8		
69	73.0		
39	51.0		

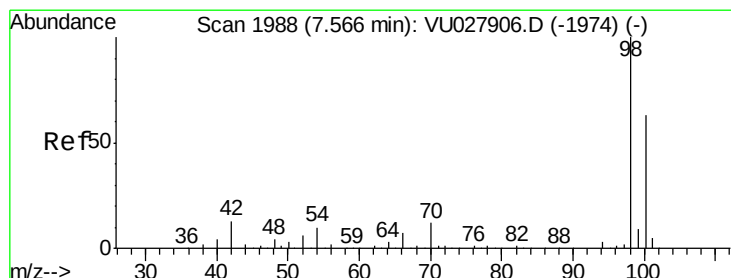
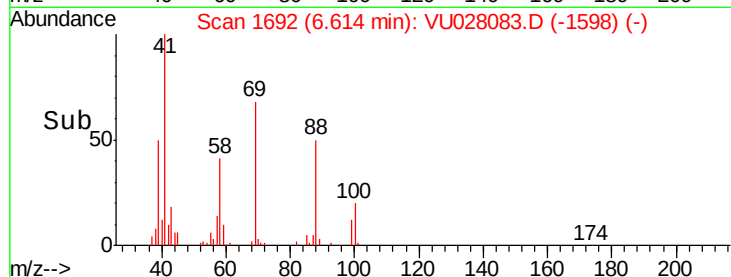
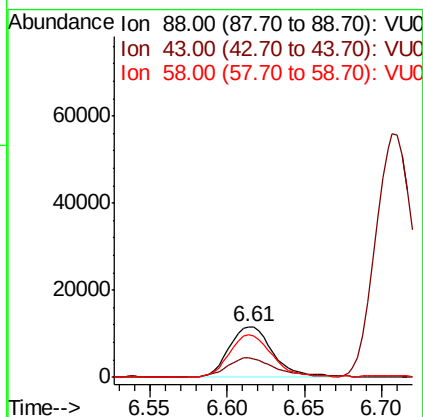
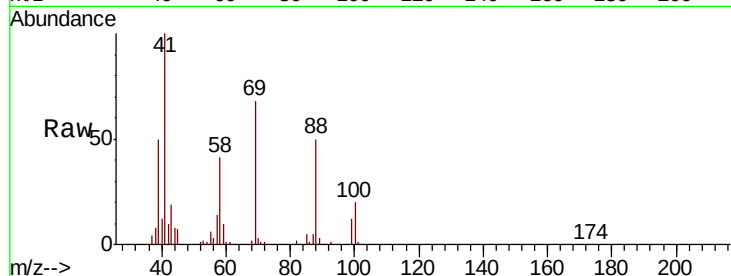




#49
1,4-Dioxane
Concen: 468.503 ug/l
RT: 6.61 min Scan# 1692
Delta R.T. 0.00 min
Lab File: VU028083.D
Acq: 13 Nov 2018 11:40

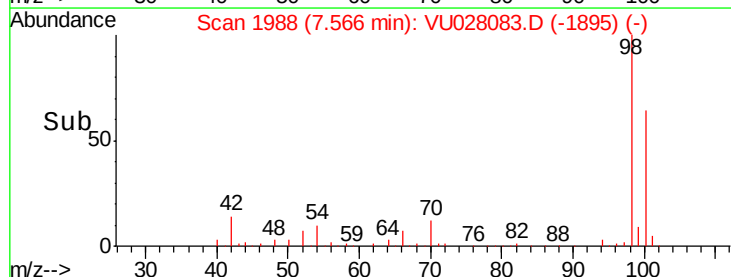
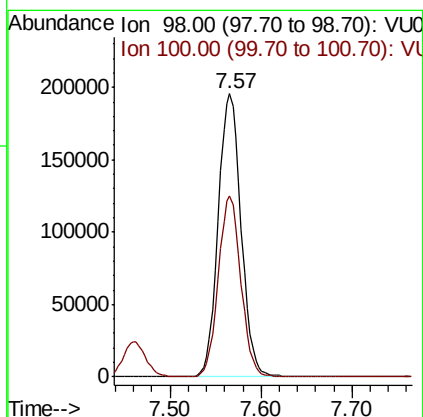
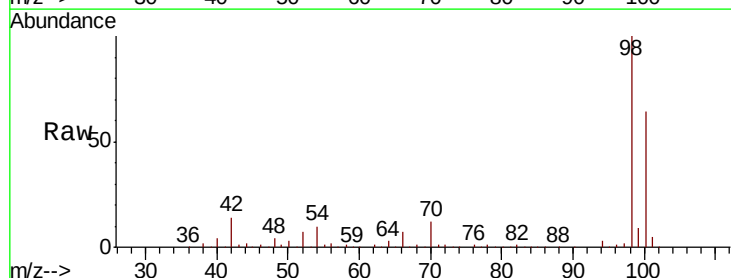
Instrument :
MSVOA_U
ClientSampleId :

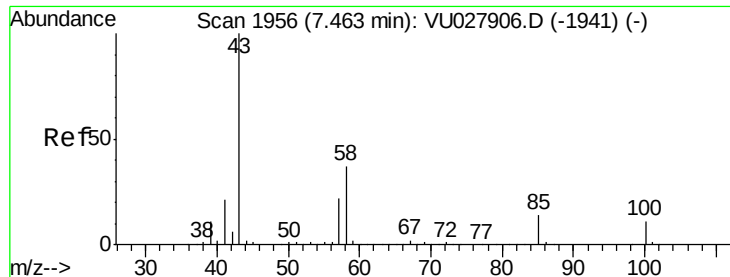
Tot Ion: 88 Resp: 22969
Ion Ratio Lower Upper
88 100
43 39.4 30.5 45.7
58 81.3 67.1 100.7



#50
Toluene-d8
Concen: 54.935 ug/l
RT: 7.57 min Scan# 1988
Delta R.T. 0.00 min
Lab File: VU028083.D
Acq: 13 Nov 2018 11:40

Tgt Ion: 98 Resp: 341263
Ion Ratio Lower Upper
98 100
100 62.6 50.1 75.1





#51

4-Methyl-2-Pentanone

Concen: 98.240 ug/l

RT: 7.46 min Scan# 1955

Delta R.T. -0.00 min

Lab File: VU028083.D

Acq: 13 Nov 2018 11:40

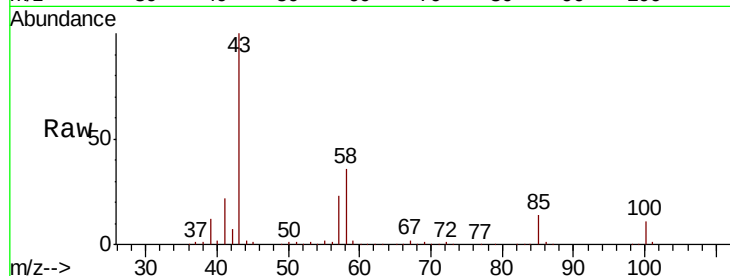
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 43 Resp: 402314

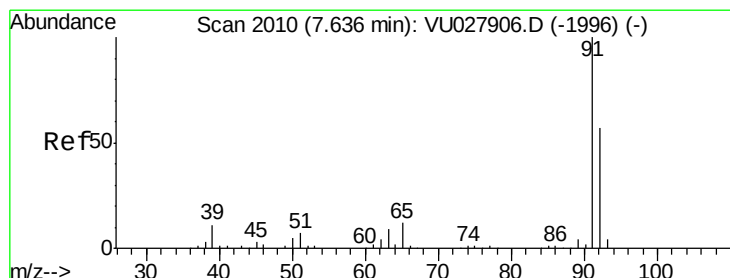
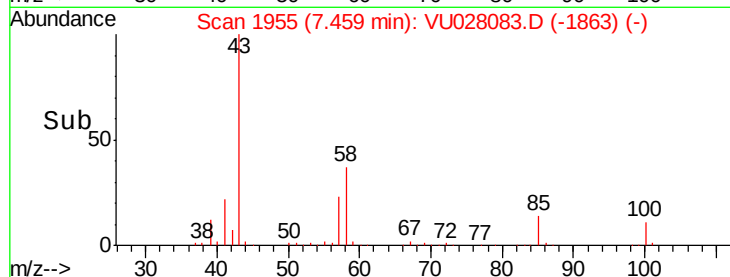
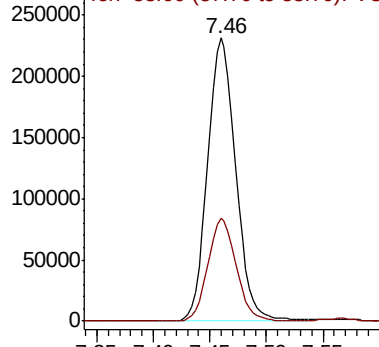
Ion Ratio Lower Upper

43 100

58 36.4 29.5 44.3



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



#52

Toluene

Concen: 19.398 ug/l

RT: 7.64 min Scan# 2010

Delta R.T. 0.00 min

Lab File: VU028083.D

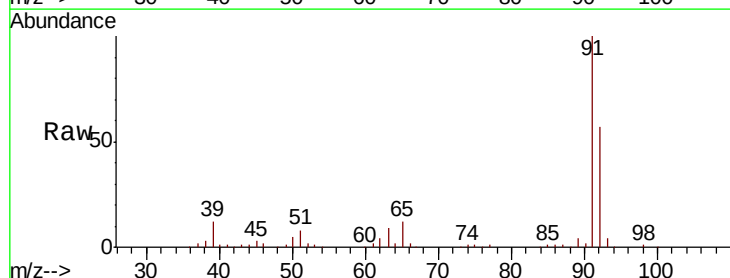
Acq: 13 Nov 2018 11:40

Tgt Ion: 92 Resp: 93136

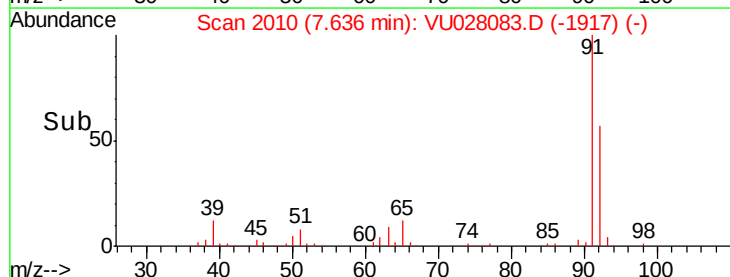
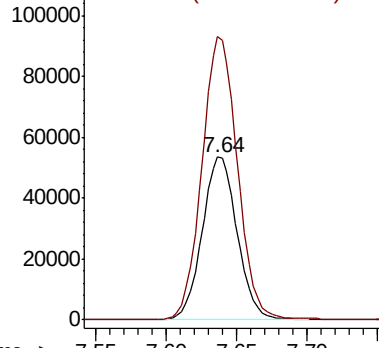
Ion Ratio Lower Upper

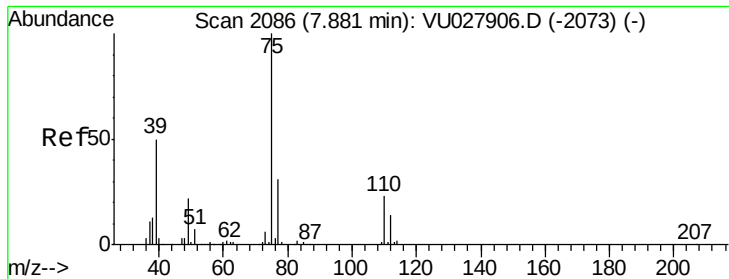
92 100

91 176.5 141.2 211.8



Abundance Ion 92.00 (91.70 to 92.70): VU0
Ion 91.00 (90.70 to 91.70): VU0

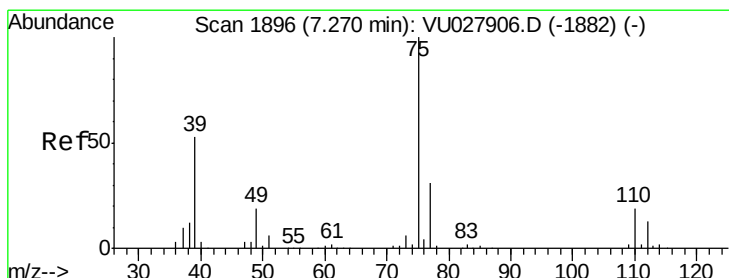
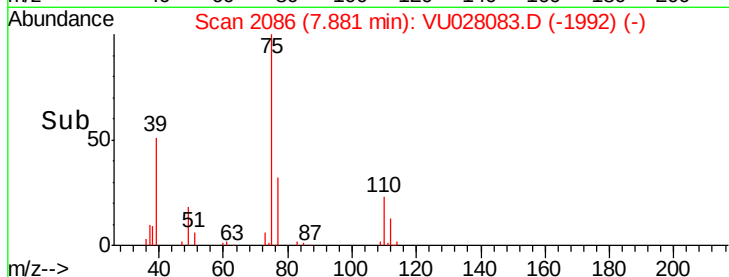
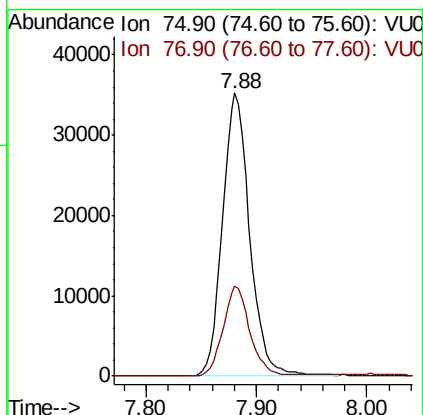
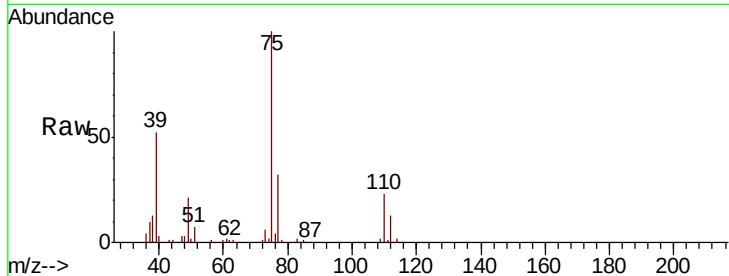




#53
 t-1,3-Dichloropropene
 Concen: 19.368 ug/l
 RT: 7.88 min Scan# 2086
 Delta R.T. 0.00 min
 Lab File: VU028083.D
 Acq: 13 Nov 2018 11:40

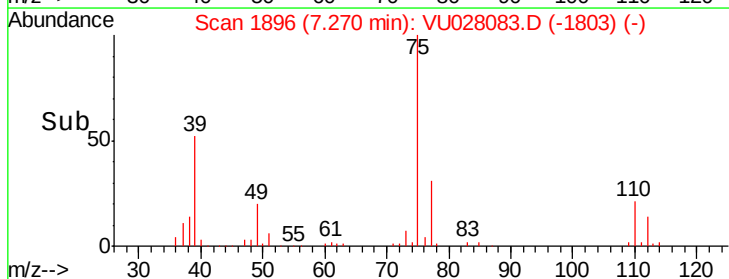
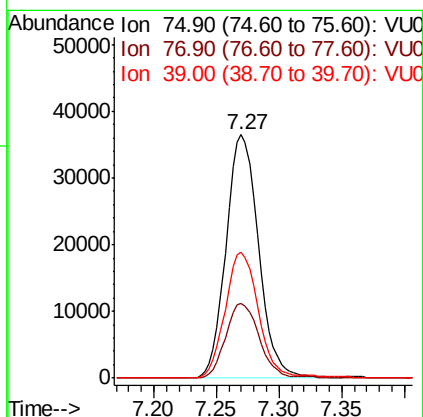
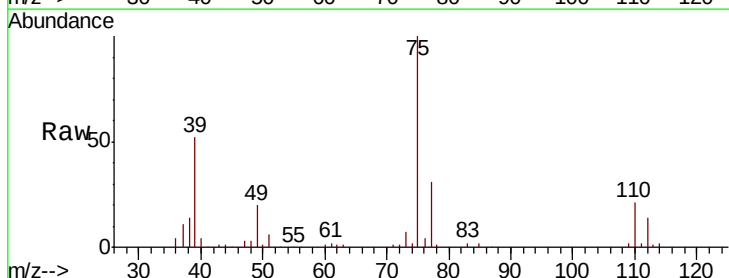
Instrument :
 MSVOA_U
 ClientSampleId :

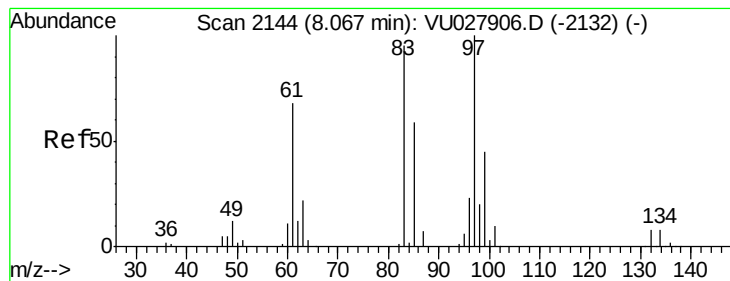
Tot Ion: 75 Resp: 60398
 Ion Ratio Lower Upper
 75 100
 77 31.8 25.1 37.7



#54
 cis-1,3-Dichloropropene
 Concen: 20.439 ug/l
 RT: 7.27 min Scan# 1896
 Delta R.T. 0.00 min
 Lab File: VU028083.D
 Acq: 13 Nov 2018 11:40

Tgt Ion: 75 Resp: 65739
 Ion Ratio Lower Upper
 75 100
 77 30.6 24.6 37.0
 39 51.8 42.6 64.0





#55

1,1,2-Trichloroethane

Concen: 19.865 ug/l

RT: 8.07 min Scan# 2144

Delta R.T. 0.00 min

Lab File: VU028083.D

Acq: 13 Nov 2018 11:40

Instrument :

MSVOA_U

ClientSampleId :

Tot Ion: 97 Resp: 38805

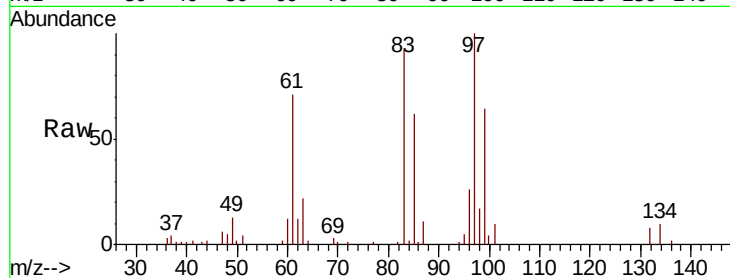
Ion Ratio Lower Upper

97 100

83 92.2 76.1 114.1

85 61.9 48.9 73.3

99 63.7 52.0 78.0

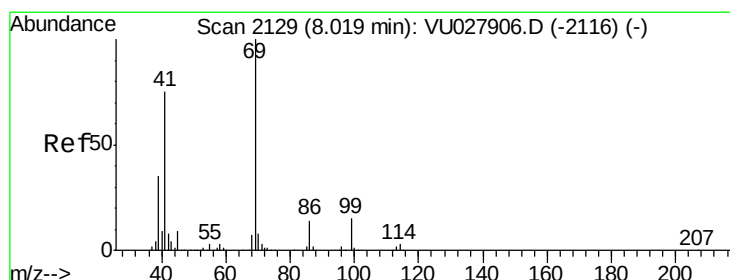
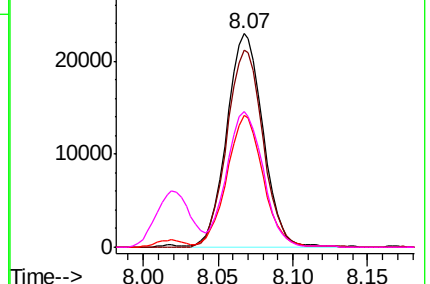
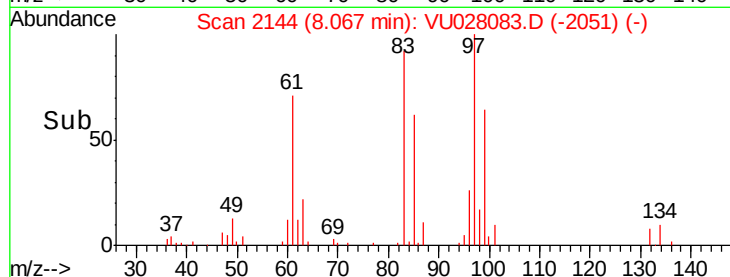


Abundance Ion 96.90 (96.60 to 97.60): VU0

Ion 82.90 (82.60 to 83.60): VU0

Ion 84.90 (84.60 to 85.60): VU0

Ion 98.90 (98.60 to 99.60): VU0



#56

Ethyl methacrylate

Concen: 19.299 ug/l

RT: 8.02 min Scan# 2129

Delta R.T. 0.00 min

Lab File: VU028083.D

Acq: 13 Nov 2018 11:40

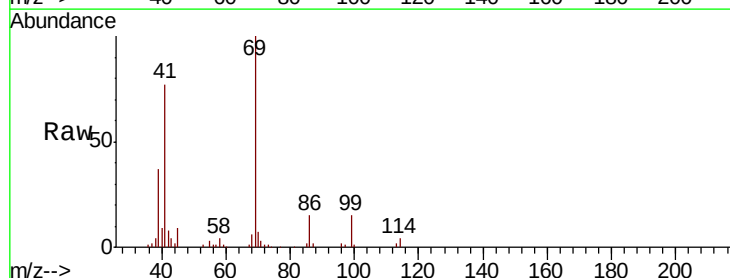
Tgt Ion: 69 Resp: 66483

Ion Ratio Lower Upper

69 100

41 79.1 59.8 89.6

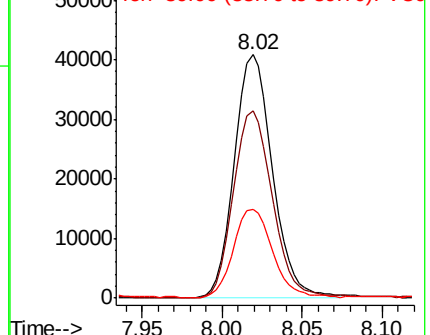
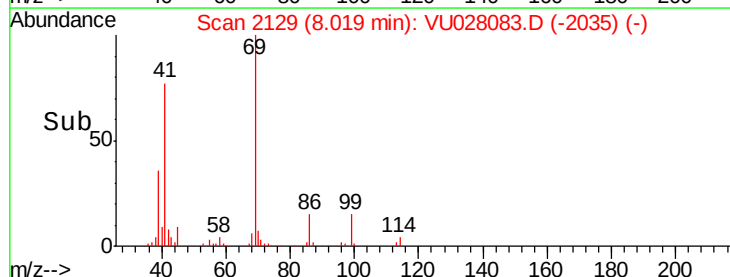
39 36.8 28.6 42.8

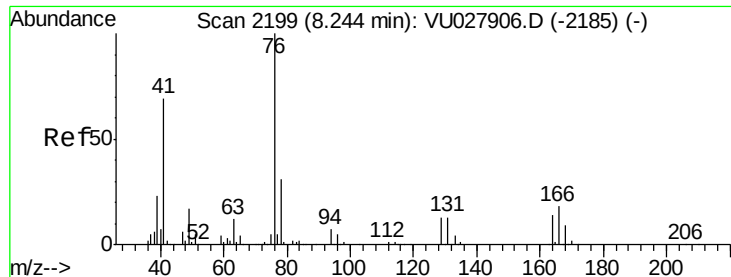


Abundance Ion 69.00 (68.70 to 69.70): VU0

Ion 41.00 (40.70 to 41.70): VU0

Ion 39.00 (38.70 to 39.70): VU0





#57

1,3-Dichloropropane

Concen: 20.317 ug/l

RT: 8.24 min Scan# 2199

Delta R.T. 0.00 min

Lab File: VU028083.D

Acq: 13 Nov 2018 11:40

Instrument :

MSVOA_U

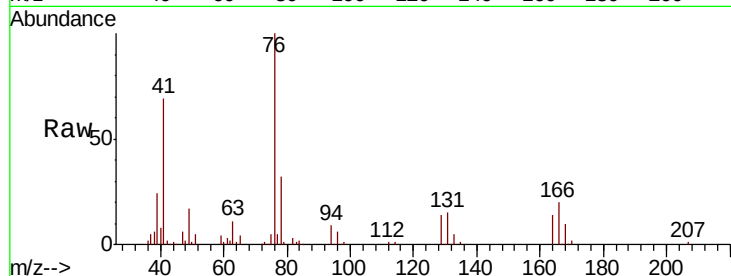
ClientSampleId :

Tot Ion: 76 Resp: 72293

Ion Ratio Lower Upper

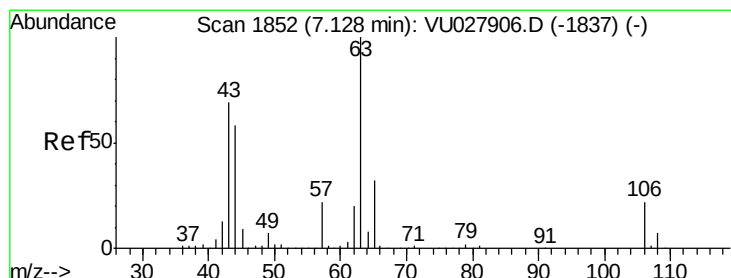
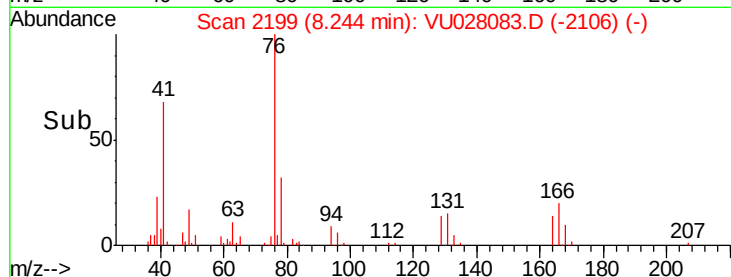
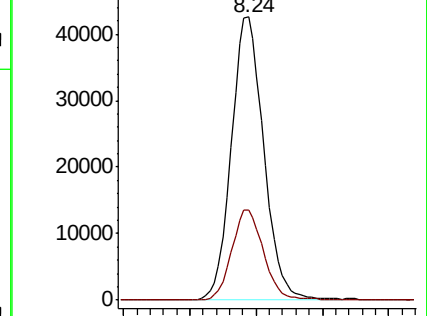
76 100

78 31.2 25.3 37.9



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: 101.378 ug/l

RT: 7.13 min Scan# 1852

Delta R.T. 0.00 min

Lab File: VU028083.D

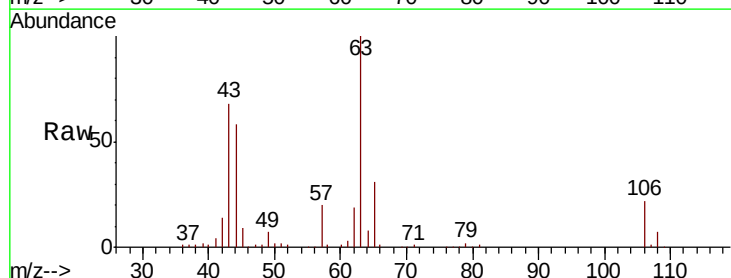
Acq: 13 Nov 2018 11:40

Tgt Ion: 63 Resp: 187039

Ion Ratio Lower Upper

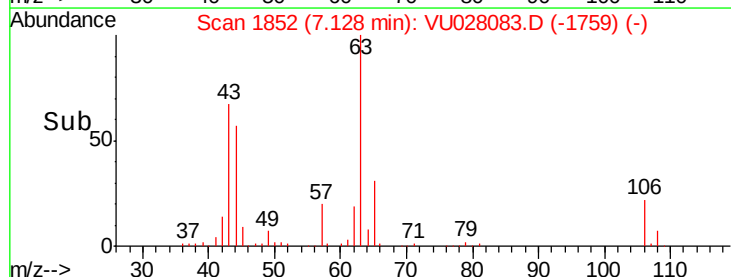
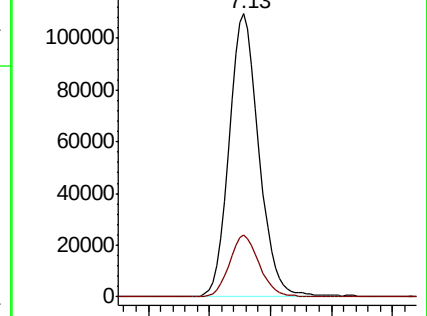
63 100

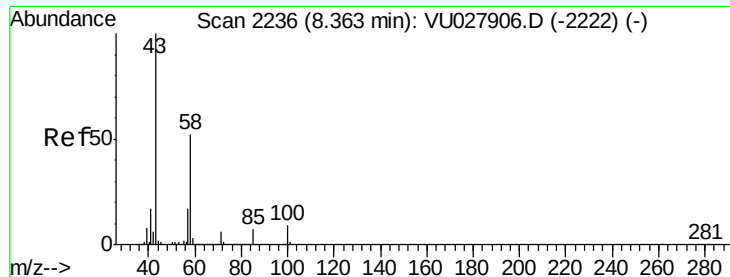
106 21.9 17.8 26.6



Abundance Ion 62.90 (62.60 to 63.60): VU0

Ion 105.90 (105.60 to 106.60): V

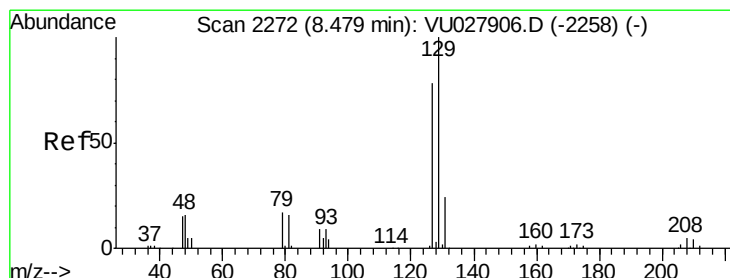
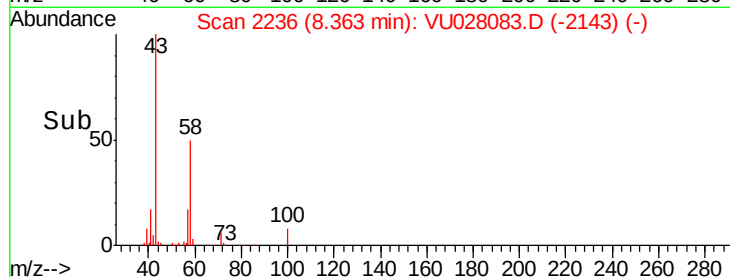
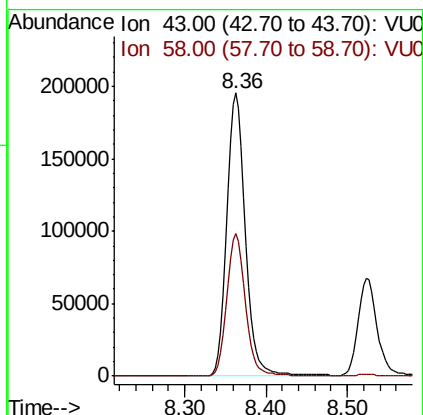
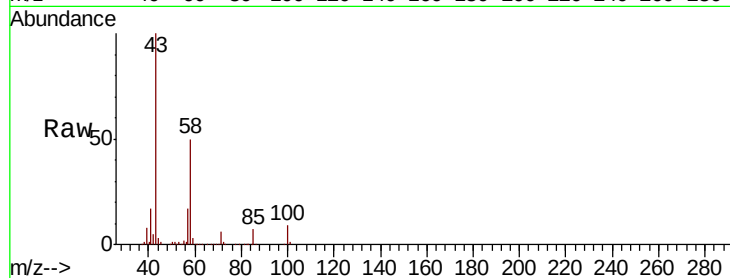




#59
2-Hexanone
Concen: 100.296 ug/l
RT: 8.36 min Scan# 2236
Delta R.T. 0.00 min
Lab File: VU028083.D
Acq: 13 Nov 2018 11:40

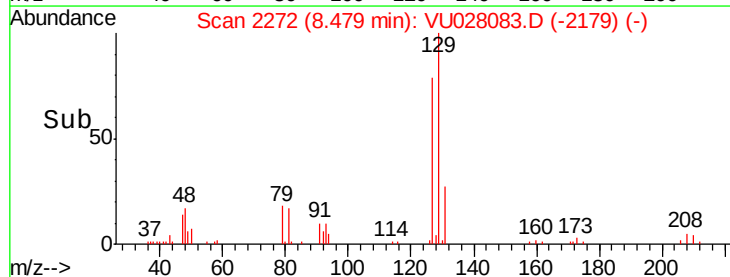
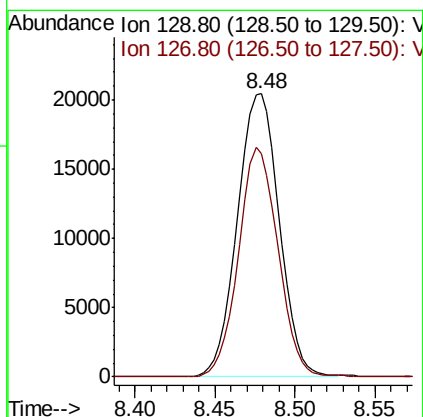
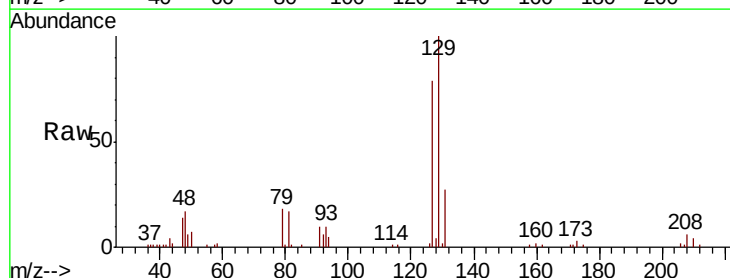
Instrument :
MSVOA_U
ClientSampled :

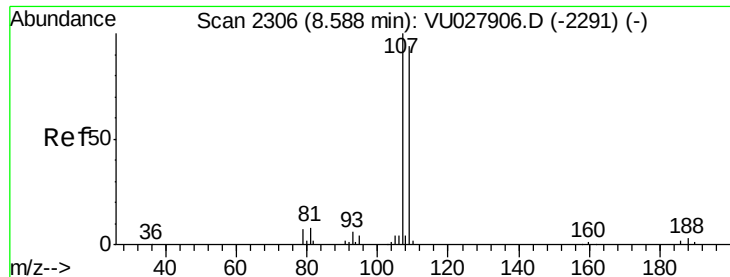
Tot Ion: 43 Resp: 317675
Ion Ratio Lower Upper
43 100
58 50.3 25.8 77.3



#60
Dibromochloromethane
Concen: 19.807 ug/l
RT: 8.48 min Scan# 2272
Delta R.T. 0.00 min
Lab File: VU028083.D
Acq: 13 Nov 2018 11:40

Tgt Ion: 129 Resp: 36612
Ion Ratio Lower Upper
129 100
127 76.1 39.2 117.6





#61

1,2-Dibromoethane

Concen: 19.381 ug/l

RT: 8.59 min Scan# 2306

Delta R.T. 0.00 min

Lab File: VU028083.D

Acq: 13 Nov 2018 11:40

Instrument :

MSVOA_U

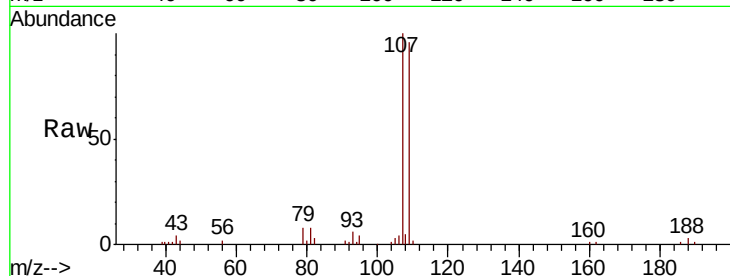
ClientSampleId :

Tot Ion:107 Resp: 40229

Ion Ratio Lower Upper

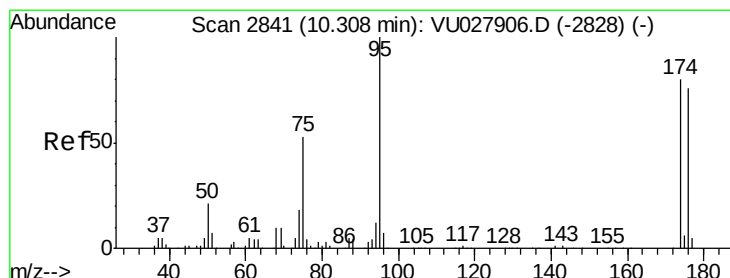
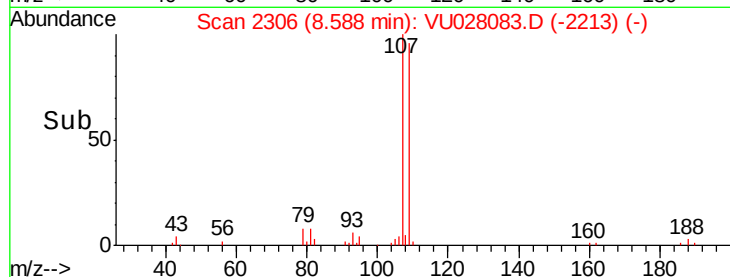
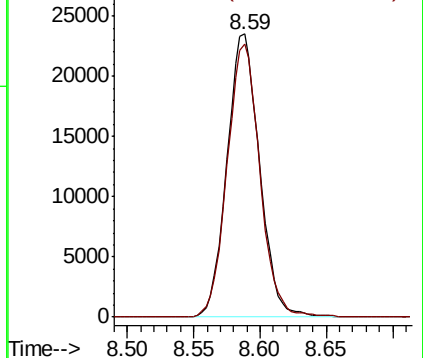
107 100

109 96.7 73.8 110.8



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 52.457 ug/l

RT: 10.31 min Scan# 2841

Delta R.T. 0.00 min

Lab File: VU028083.D

Acq: 13 Nov 2018 11:40

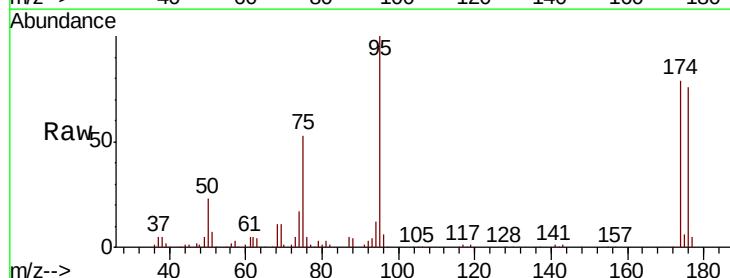
Tgt Ion: 95 Resp: 120196

Ion Ratio Lower Upper

95 100

174 77.1 0.0 156.4

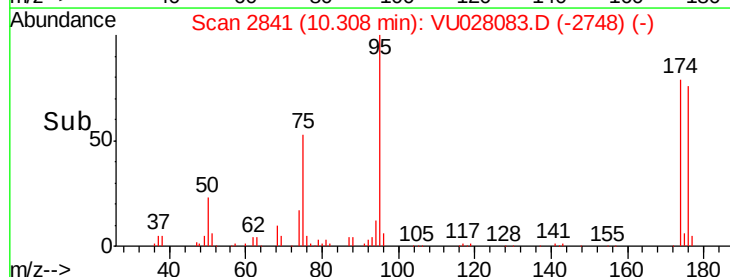
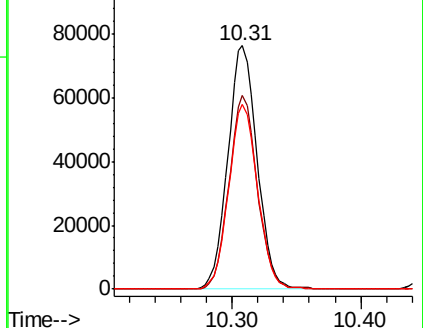
176 74.9 0.0 150.8

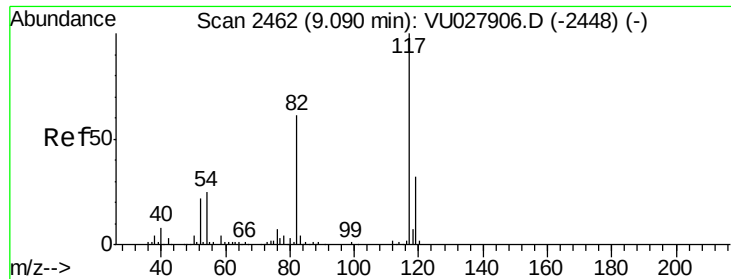


Abundance Ion 94.90 (94.60 to 95.60): VU0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

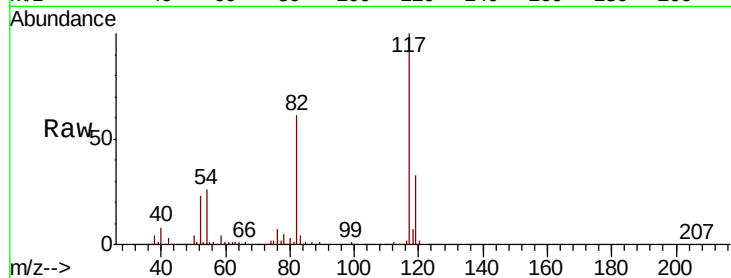




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.09 min Scan# 2462
Delta R.T. 0.00 min
Lab File: VU028083.D
Acq: 13 Nov 2018 11:40

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
117	100		
82	61.4	48.6	73.0
119	32.9	25.8	38.8

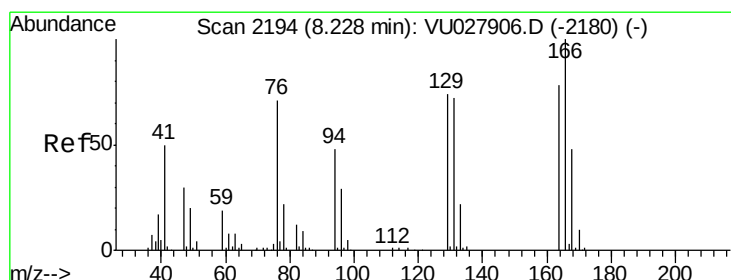
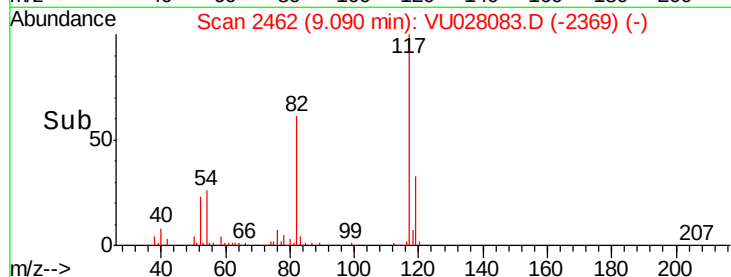
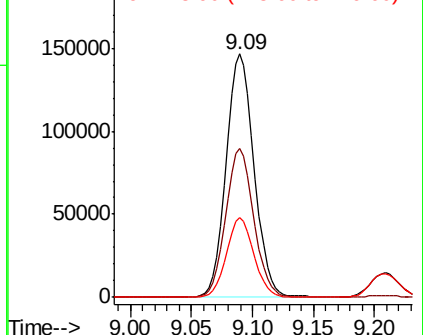


Abundance

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: 19.626 ug/l
RT: 8.23 min Scan# 2194
Delta R.T. 0.00 min
Lab File: VU028083.D
Acq: 13 Nov 2018 11:40

Tgt Ion	Ratio	Lower	Upper
164	100		
166	118.2	102.1	153.1
129	94.2	75.9	113.9
131	92.3	73.0	109.6

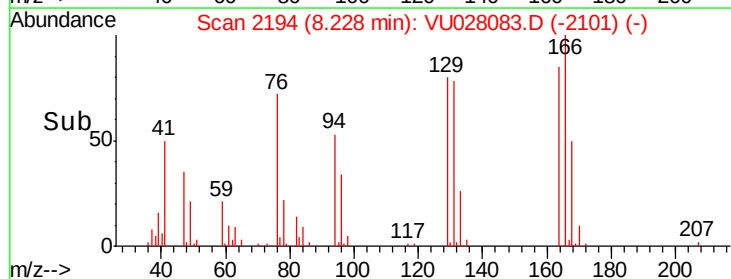
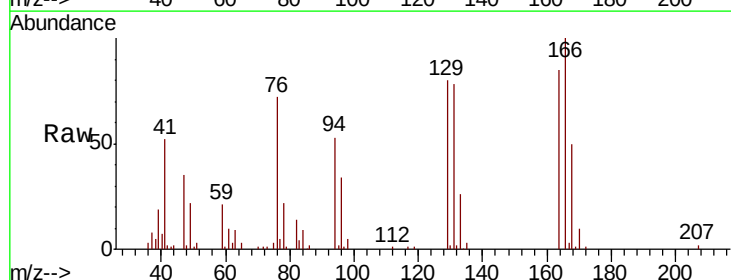
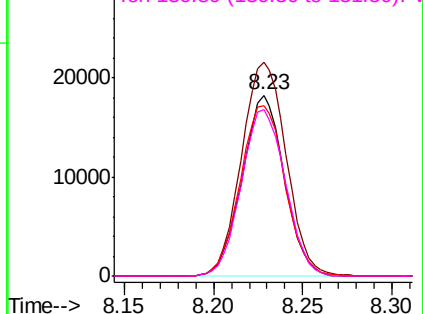
Abundance

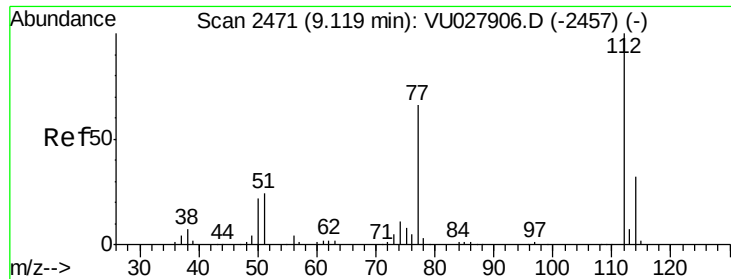
Ion 163.80 (163.50 to 164.50): V

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

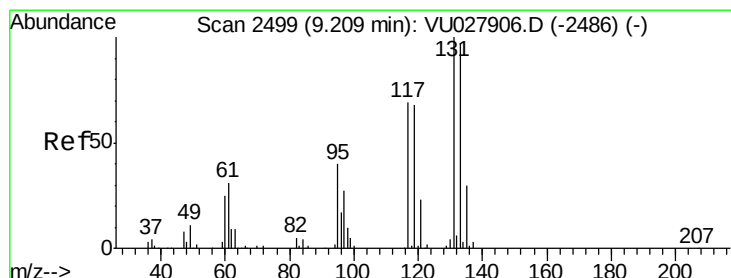
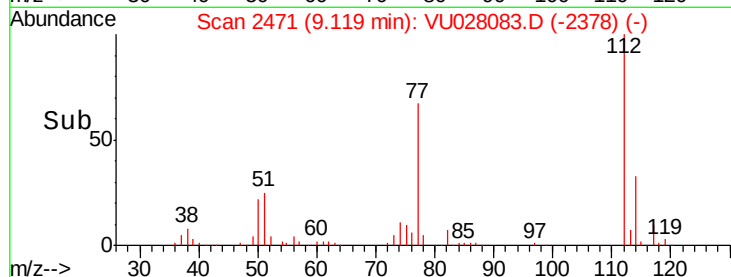
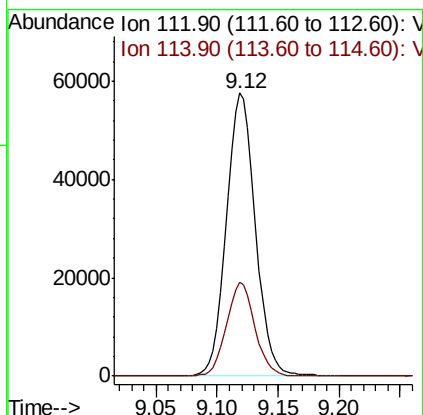
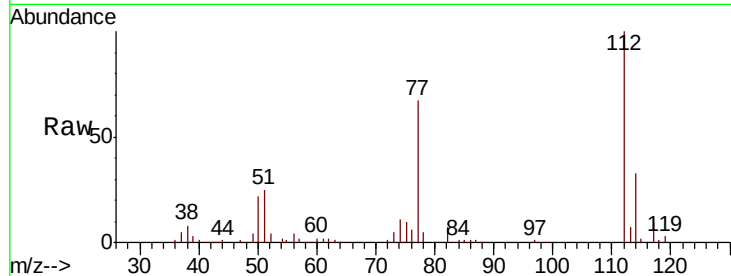




#65
Chlorobenzene
Concen: 19.271 ug/l
RT: 9.12 min Scan# 2471
Delta R.T. 0.00 min
Lab File: VU028083.D
Acq: 13 Nov 2018 11:40

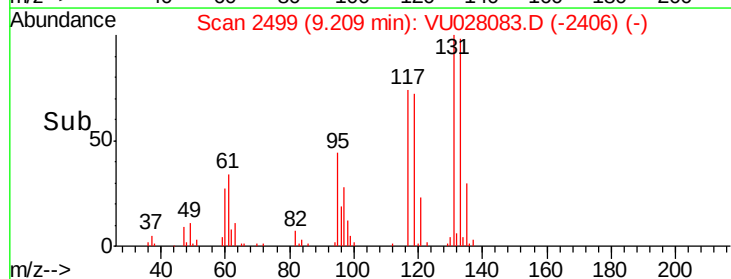
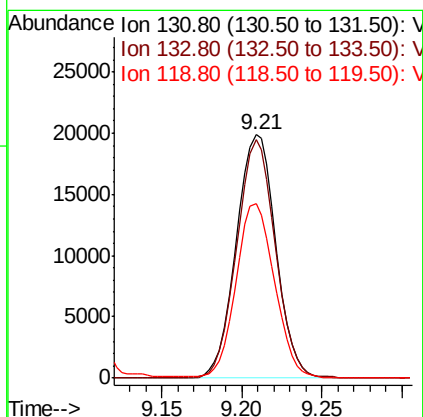
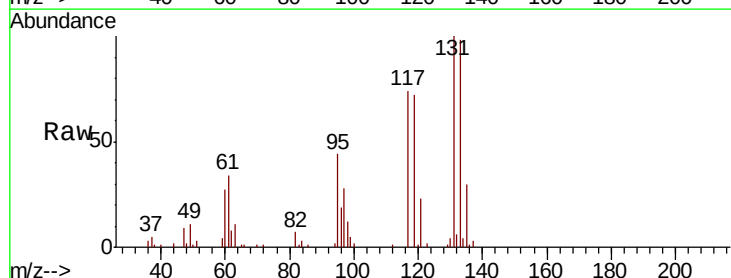
Instrument :
MSVOA_U
ClientSampleId :

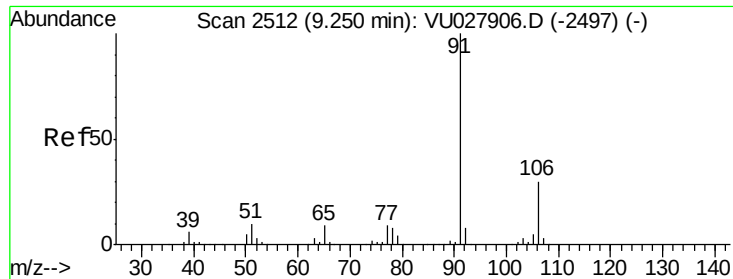
Tot Ion:112 Resp: 96001
Ion Ratio Lower Upper
112 100
114 33.1 25.2 37.8



#66
1,1,1,2-Tetrachloroethane
Concen: 19.660 ug/l
RT: 9.21 min Scan# 2499
Delta R.T. 0.00 min
Lab File: VU028083.D
Acq: 13 Nov 2018 11:40

Tgt Ion:131 Resp: 33454
Ion Ratio Lower Upper
131 100
133 95.5 48.1 144.4
119 69.9 34.0 101.8

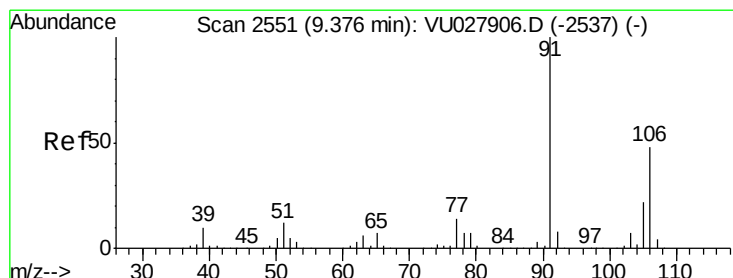
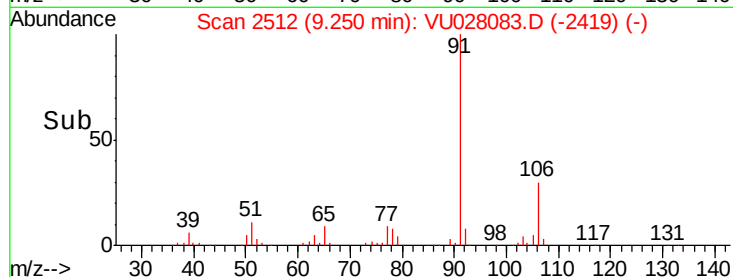
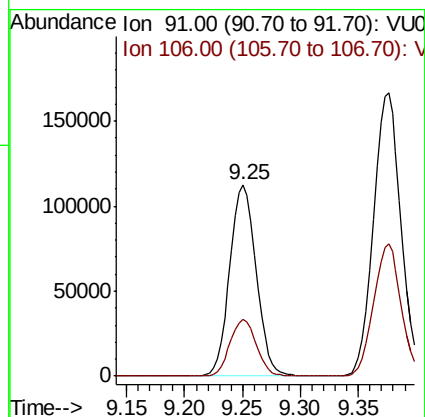
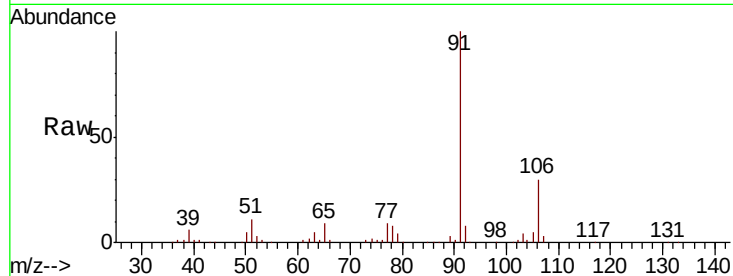




#67
Ethyl Benzene
Concen: 19.454 ug/l
RT: 9.25 min Scan# 2512
Delta R.T. 0.00 min
Lab File: VU028083.D
Acq: 13 Nov 2018 11:40

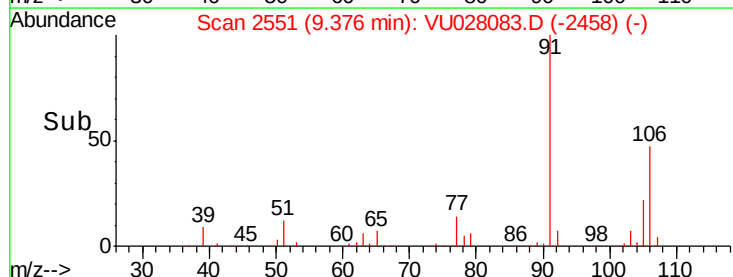
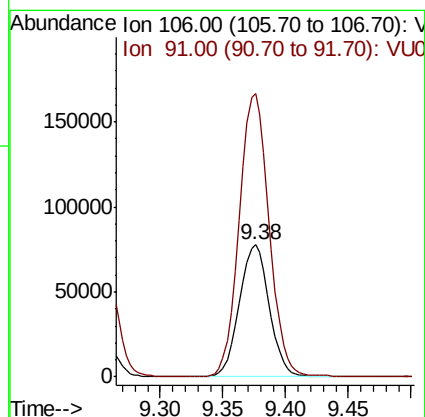
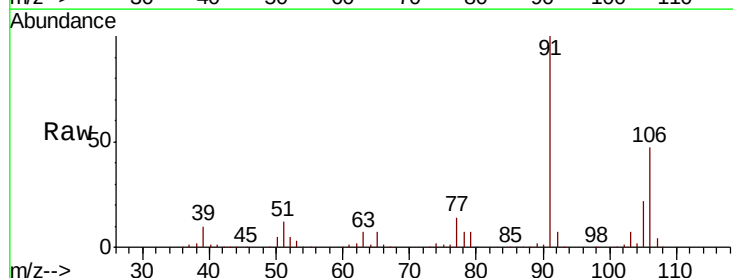
Instrument :
MSVOA_U
ClientSampleId :

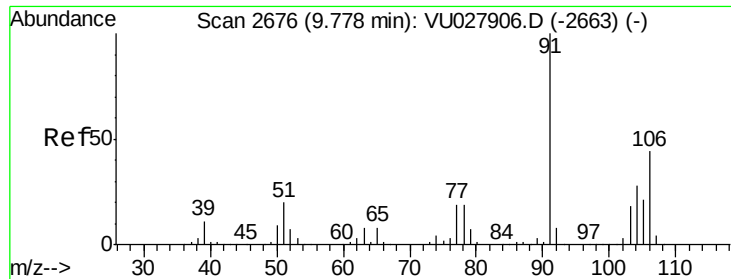
Tot Ion: 91 Resp: 178389
Ion Ratio Lower Upper
91 100
106 29.6 23.6 35.4



#68
m/p-Xylenes
Concen: 38.825 ug/l
RT: 9.38 min Scan# 2551
Delta R.T. 0.00 min
Lab File: VU028083.D
Acq: 13 Nov 2018 11:40

Tgt Ion: 106 Resp: 129178
Ion Ratio Lower Upper
106 100
91 213.6 168.2 252.4

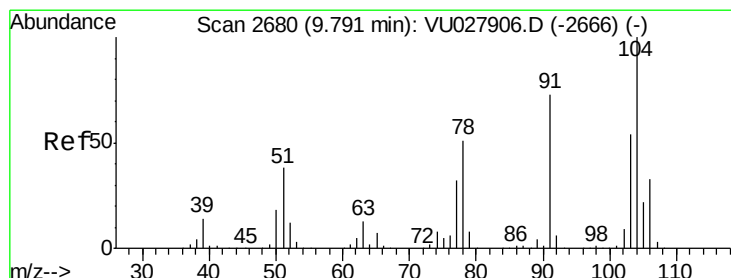
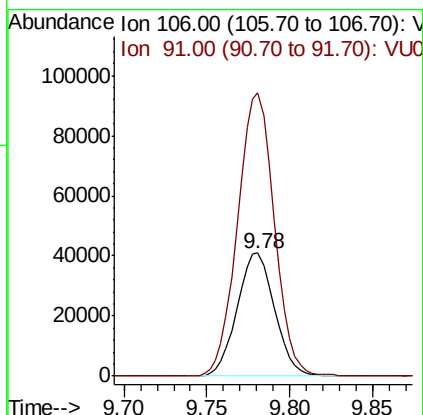
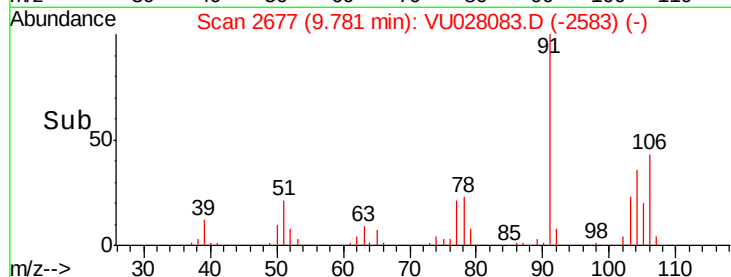
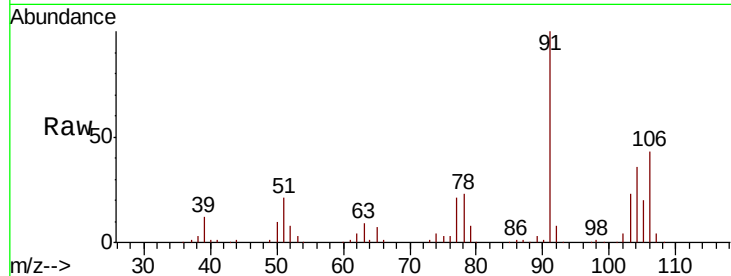




#69
o-Xylene
Concen: 19.189 ug/l
RT: 9.78 min Scan# 2677
Delta R.T. 0.00 min
Lab File: VU028083.D
Acq: 13 Nov 2018 11:40

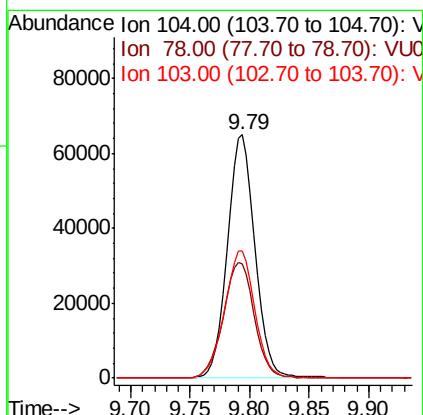
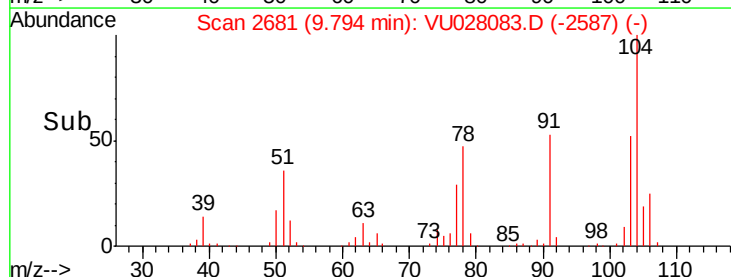
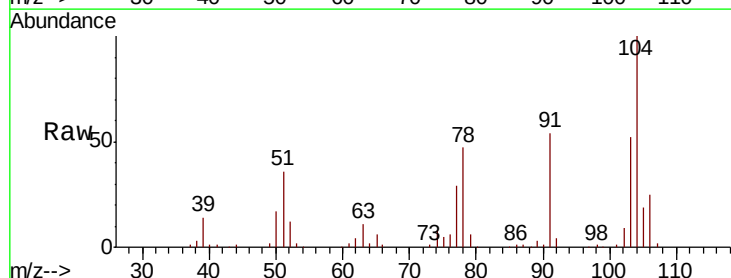
Instrument :
MSVOA_U
ClientSampleId :

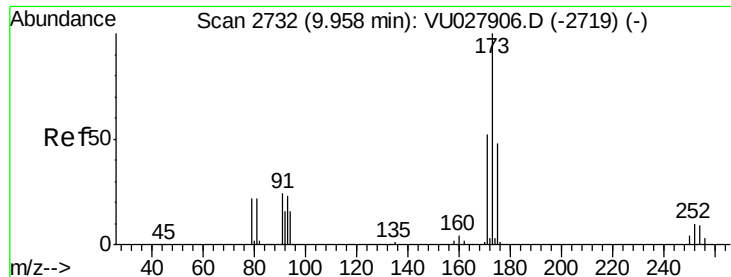
Tot Ion:106 Resp: 64470
Ion Ratio Lower Upper
106 100
91 225.8 111.1 333.4



#70
Styrene
Concen: 19.473 ug/l
RT: 9.79 min Scan# 2681
Delta R.T. 0.00 min
Lab File: VU028083.D
Acq: 13 Nov 2018 11:40

Tgt Ion:104 Resp: 104537
Ion Ratio Lower Upper
104 100
78 53.2 43.0 64.4
103 57.1 45.1 67.7





#71

Bromoform

Concen: 19.379 ug/l

RT: 9.96 min Scan# 2732

Delta R.T. 0.00 min

Lab File: VU028083.D

Acq: 13 Nov 2018 11:40

Instrument :
MSVOA_U
ClientSampleId :

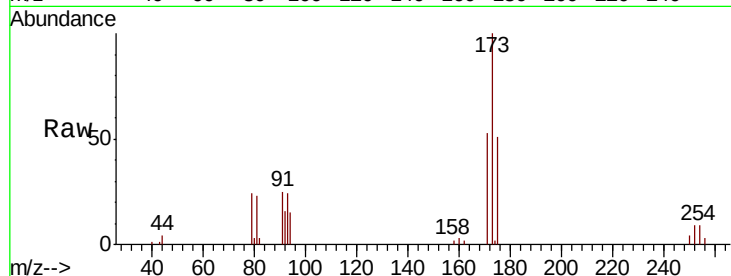
Tot Ion:173 Resp: 27635

Ion Ratio Lower Upper

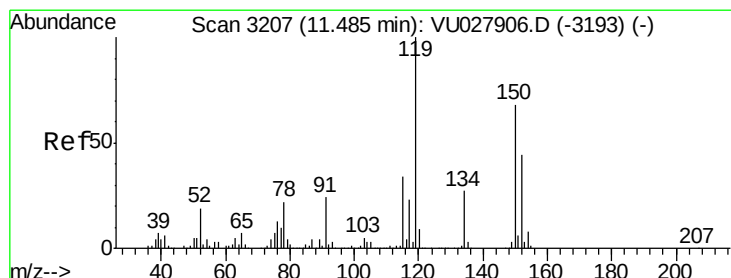
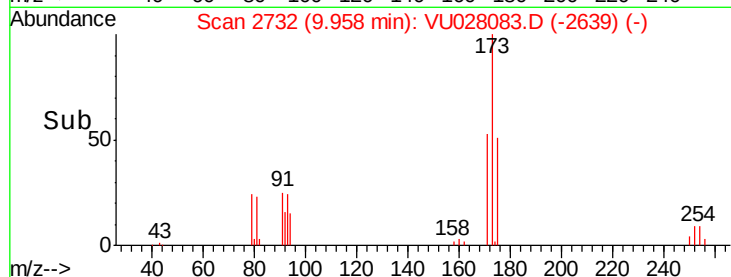
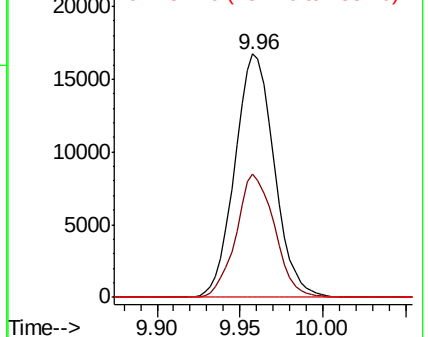
173 100

175 49.2 24.3 72.8

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: VU028083.D

Acq: 13 Nov 2018 11:40

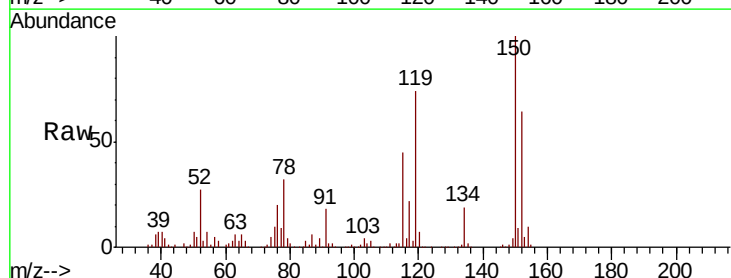
Tgt Ion:152 Resp: 109308

Ion Ratio Lower Upper

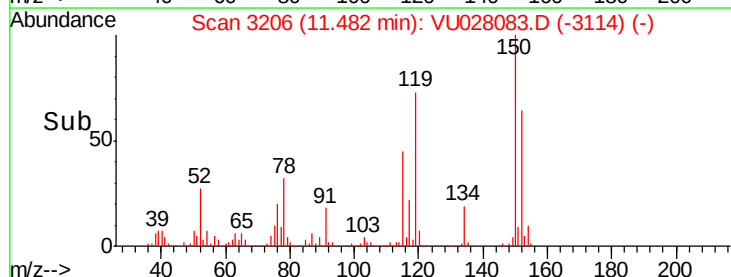
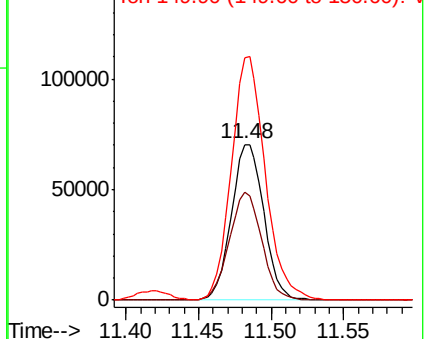
152 100

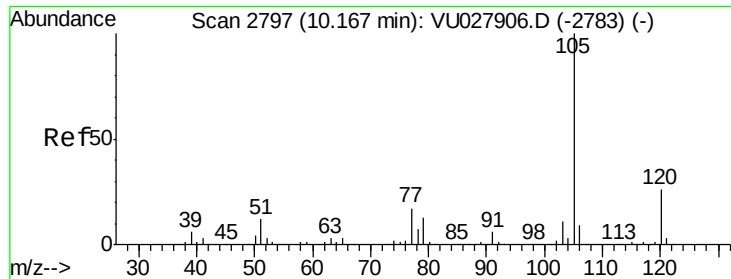
115 69.3 43.0 129.0

150 162.7 0.0 349.4



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: 20.183 ug/l

RT: 10.17 min Scan# 2797

Delta R.T. 0.00 min

Lab File: VU028083.D

Acq: 13 Nov 2018 11:40

Instrument :

MSVOA_U

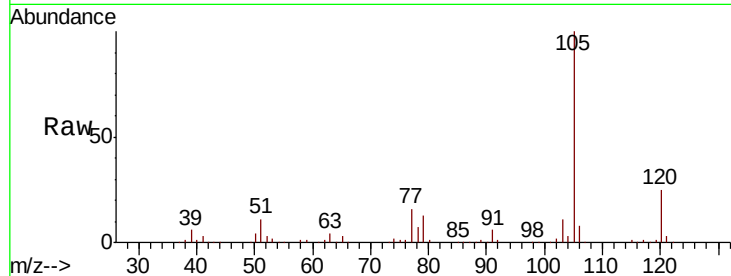
ClientSampleId :

Tot Ion:105 Resp: 170913

Ion Ratio Lower Upper

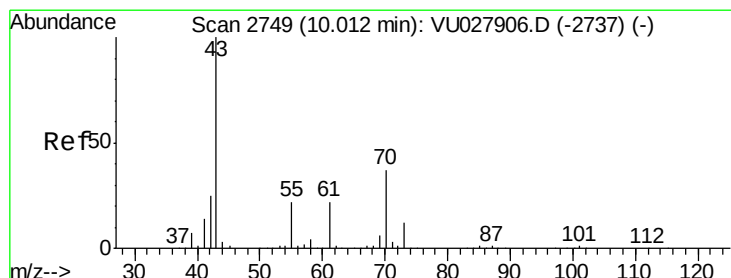
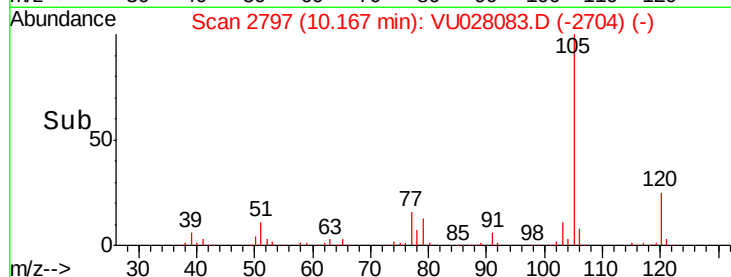
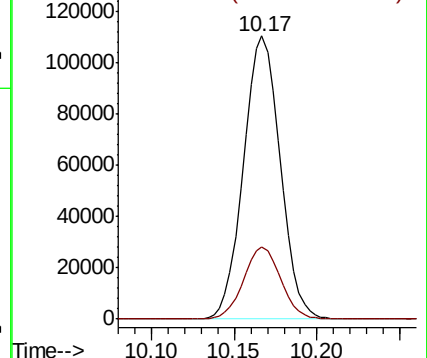
105 100

120 25.6 12.7 38.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 21.015 ug/l

RT: 10.01 min Scan# 2749

Delta R.T. 0.00 min

Lab File: VU028083.D

Acq: 13 Nov 2018 11:40

Tgt Ion: 43 Resp: 107608

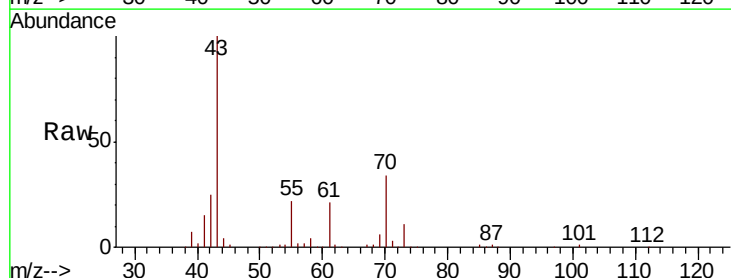
Ion Ratio Lower Upper

43 100

70 34.6 29.2 43.8

55 22.9 17.8 26.6

61 22.0 17.8 26.8

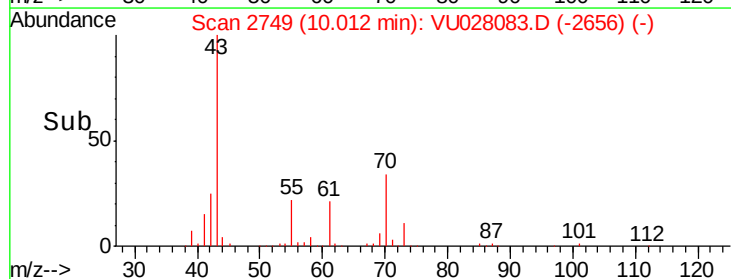
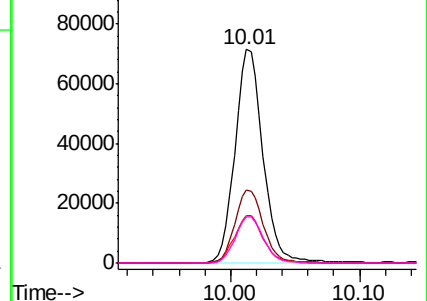


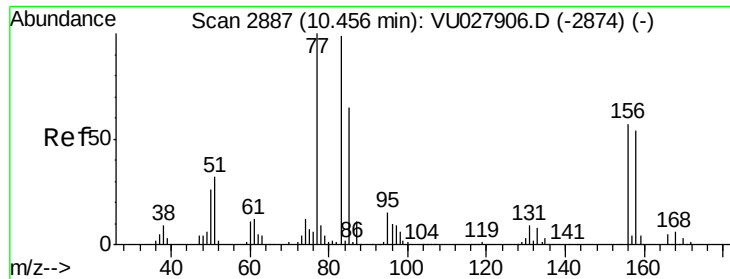
Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 70.00 (69.70 to 70.70): VU0

Ion 55.00 (54.70 to 55.70): VU0

Ion 61.00 (60.70 to 61.70): VU0





#75

1,1,2,2-Tetrachloroethane

Concen: 20.582 ug/l

RT: 10.46 min Scan# 2888

Delta R.T. 0.00 min

Lab File: VU028083.D

Acq: 13 Nov 2018 11:40

Instrument :

MSVOA_U

ClientSampled :

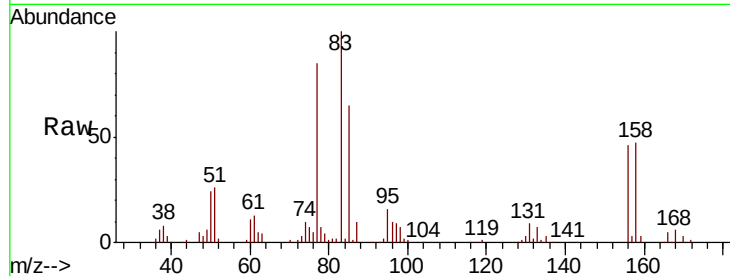
Tot Ion: 83 Resp: 70303

Ion Ratio Lower Upper

83 100

131 8.5 4.3 13.1

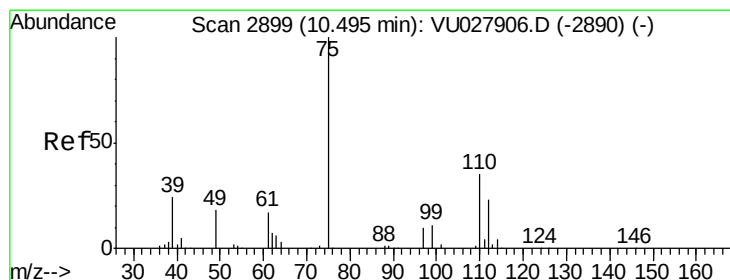
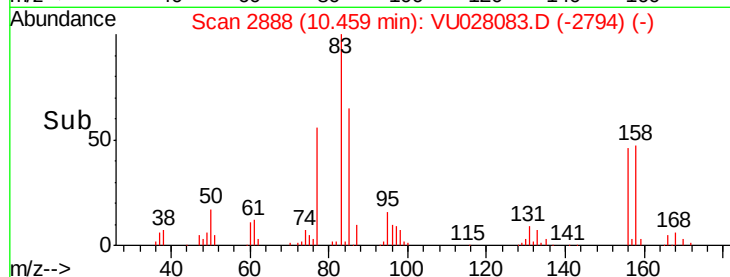
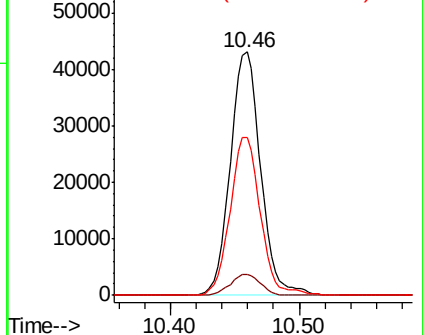
85 64.7 32.4 97.2



Abundance Ion 82.90 (82.60 to 83.60): VU027906.D (-2874) (-)

Ion 130.80 (130.50 to 131.50): VU027906.D (-2874) (-)

Ion 84.90 (84.60 to 85.60): VU027906.D (-2874) (-)



#76

1,2,3-Trichloropropane

Concen: 27.587 ug/l

RT: 10.49 min Scan# 2899

Delta R.T. 0.00 min

Lab File: VU028083.D

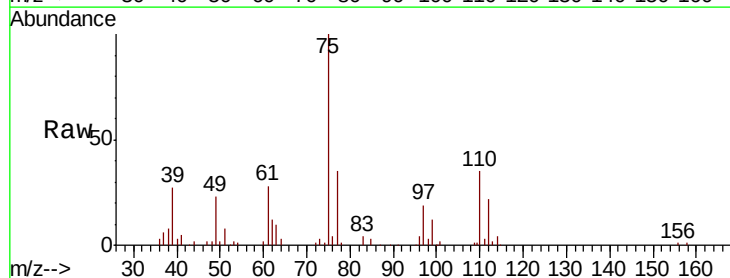
Acq: 13 Nov 2018 11:40

Tgt Ion: 75 Resp: 82483

Ion Ratio Lower Upper

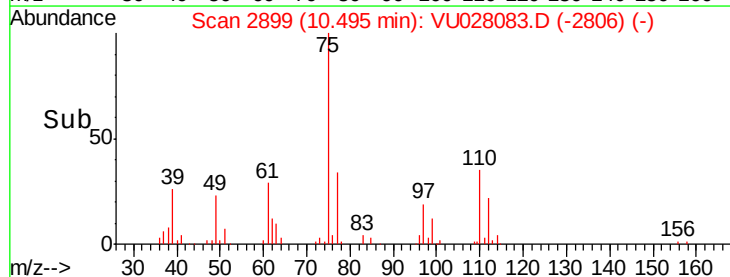
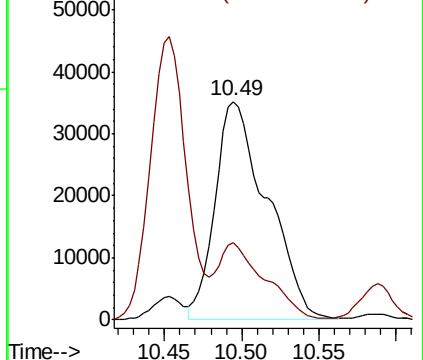
75 100

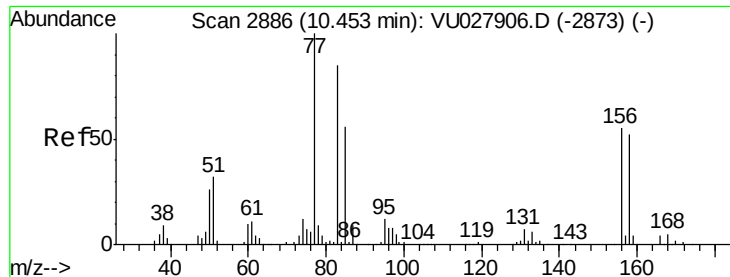
77 32.2 21.6 64.6



Abundance Ion 74.90 (74.60 to 75.60): VU027906.D (-2890) (-)

Ion 77.00 (76.70 to 77.70): VU027906.D (-2890) (-)





#77

Bromobenzene

Concen: 20.046 ug/l

RT: 10.45 min Scan# 2886

Delta R.T. 0.00 min

Lab File: VU028083.D

Acq: 13 Nov 2018 11:40

Instrument :

MSVOA_U

ClientSampled :

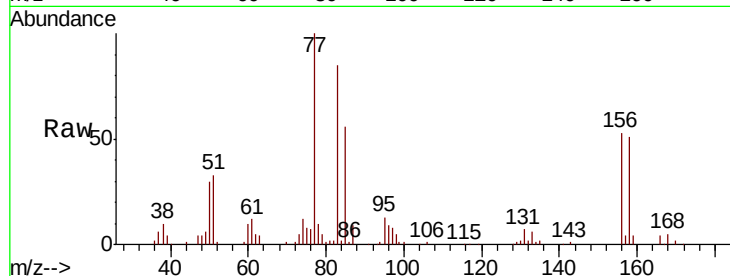
Tot Ion:156 Resp: 38923

Ion Ratio Lower Upper

156 100

77 191.1 91.8 275.6

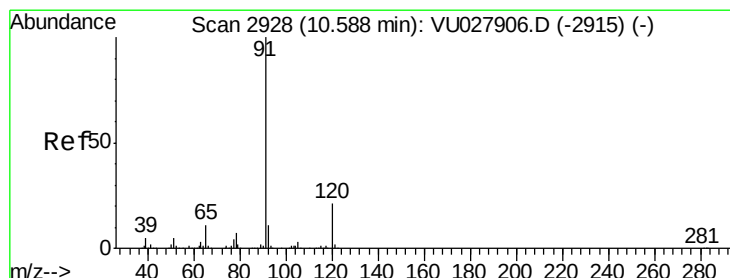
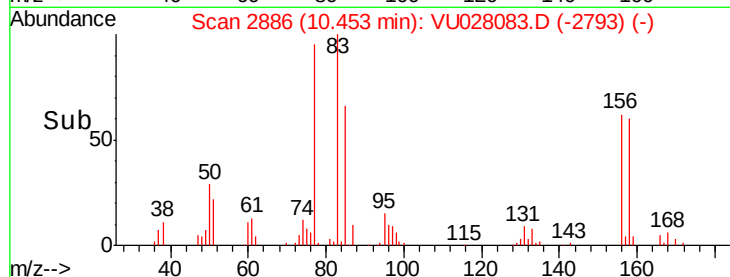
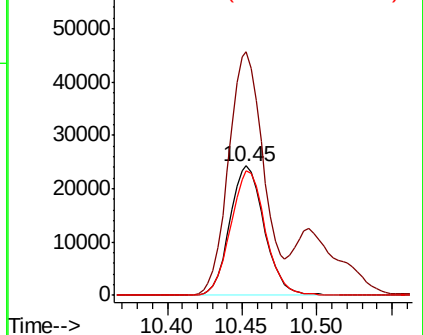
158 97.0 48.4 145.2



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VU0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 20.112 ug/l

RT: 10.59 min Scan# 2928

Delta R.T. 0.00 min

Lab File: VU028083.D

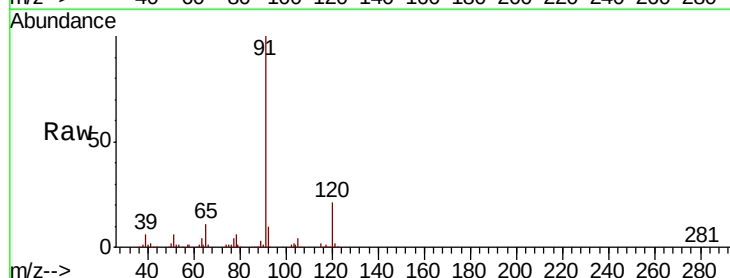
Acq: 13 Nov 2018 11:40

Tgt Ion: 91 Resp: 203853

Ion Ratio Lower Upper

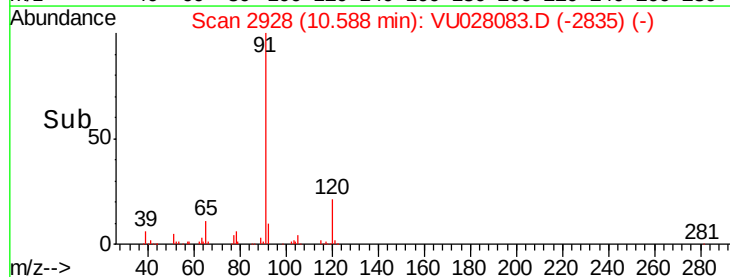
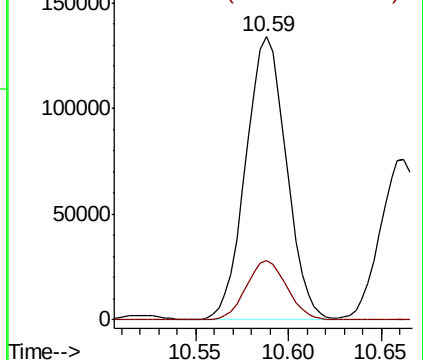
91 100

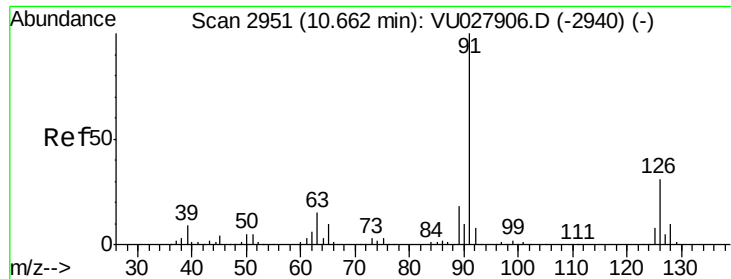
120 21.0 10.6 31.8



Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 120.00 (119.70 to 120.70): V

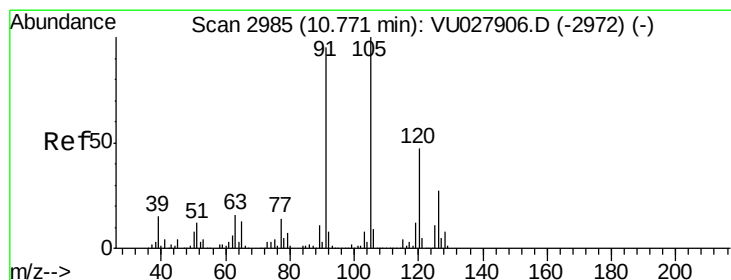
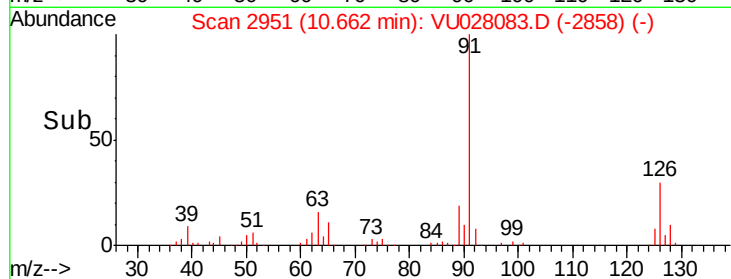
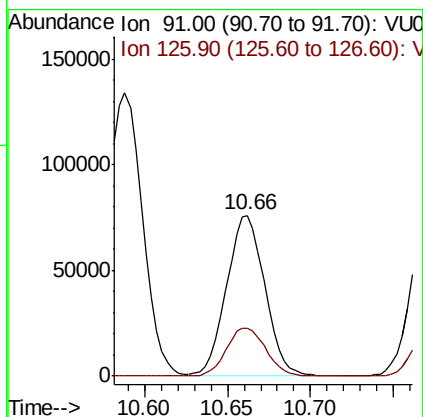
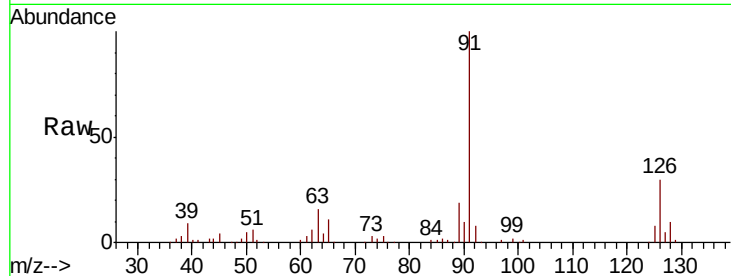




#79
 2-Chlorotoluene
 Concen: 19.935 ug/l
 RT: 10.66 min Scan# 2951
 Delta R.T. 0.00 min
 Lab File: VU028083.D
 Acq: 13 Nov 2018 11:40

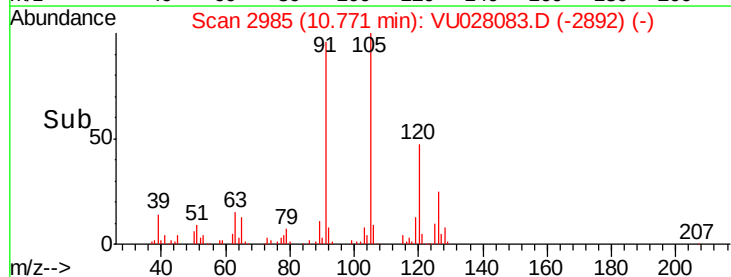
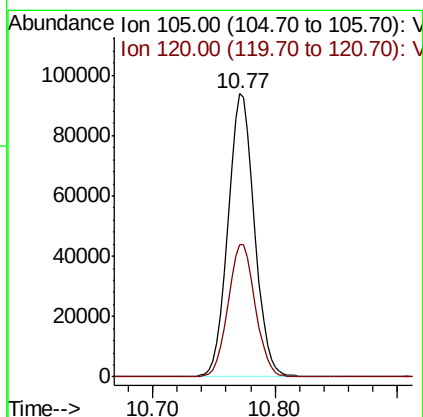
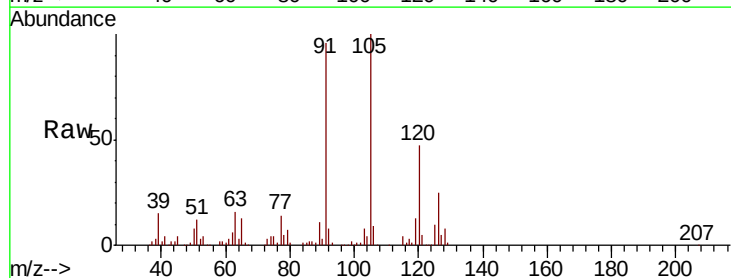
Instrument :
 MSVOA_U
 ClientSampled :

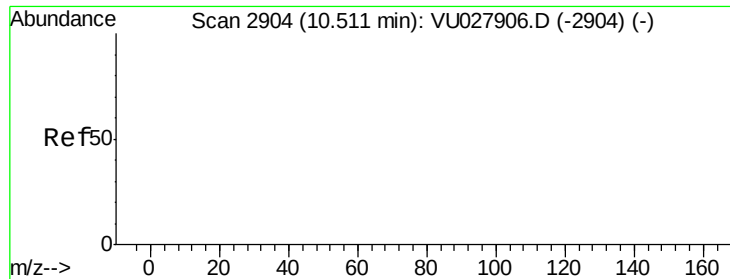
Tot Ion: 91 Resp: 121118
 Ion Ratio Lower Upper
 91 100
 126 30.9 16.0 47.9



#80
 1,3,5-Trimethylbenzene
 Concen: 20.305 ug/l
 RT: 10.77 min Scan# 2985
 Delta R.T. 0.00 min
 Lab File: VU028083.D
 Acq: 13 Nov 2018 11:40

Tgt Ion: 105 Resp: 142432
 Ion Ratio Lower Upper
 105 100
 120 48.0 23.3 69.9

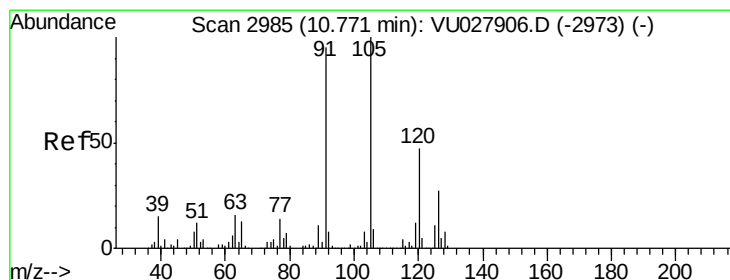
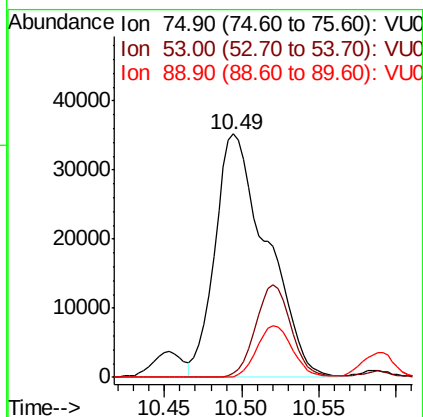
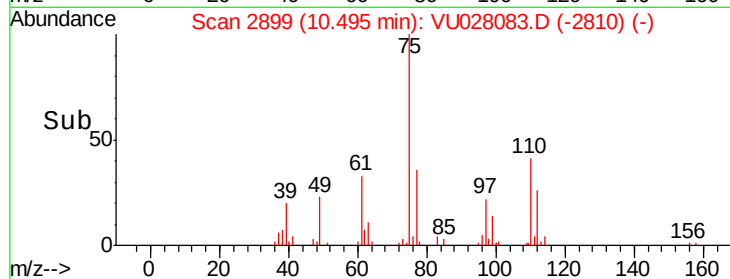
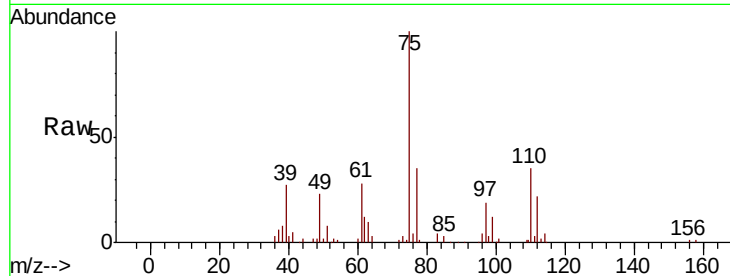




#81
trans-1,4-Dichloro-2-butene
Concen: 68.780 ug/l
RT: 10.49 min Scan# 2899
Delta R.T. -0.02 min
Lab File: VU028083.D
Acq: 13 Nov 2018 11:40

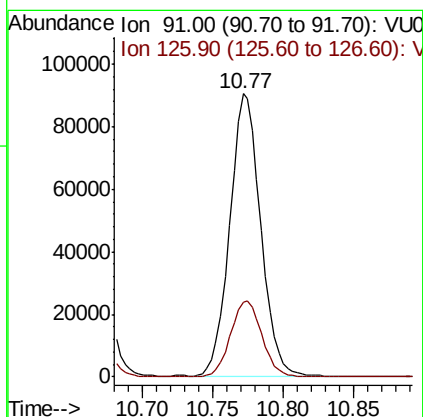
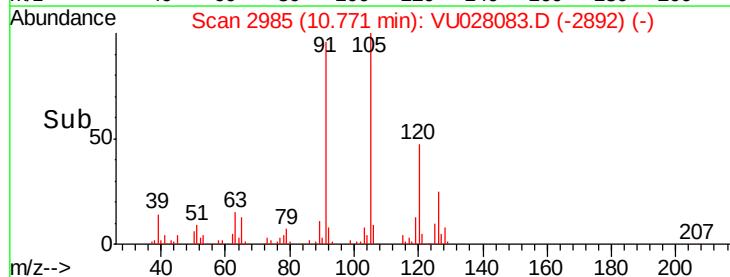
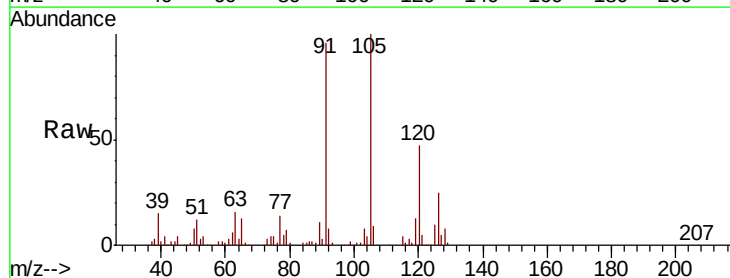
Instrument :
MSVOA_U
ClientSampleId :

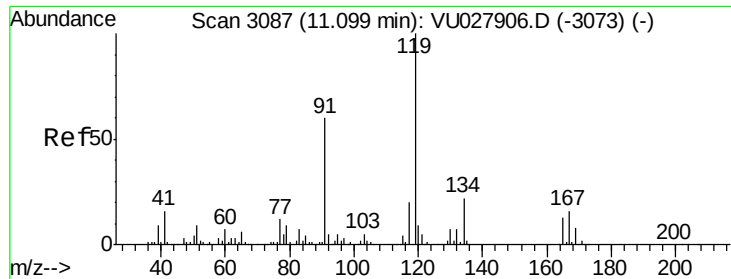
Tot Ion: 75 Resp: 82483
Ion Ratio Lower Upper
75 100
53 0.0 0.0 0.0
89 0.0 0.0 0.0



#82
4-Chlorotoluene
Concen: 20.125 ug/l
RT: 10.77 min Scan# 2985
Delta R.T. 0.00 min
Lab File: VU028083.D
Acq: 13 Nov 2018 11:40

Tgt Ion: 91 Resp: 138815
Ion Ratio Lower Upper
91 100
126 27.3 14.2 42.6

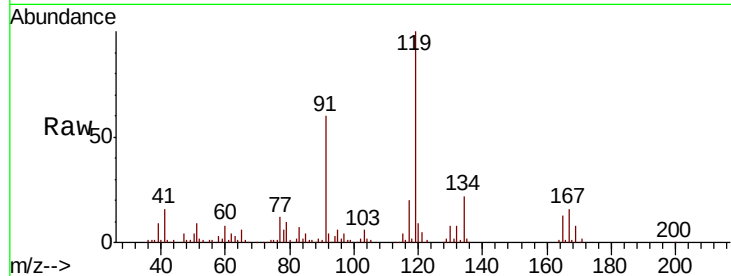




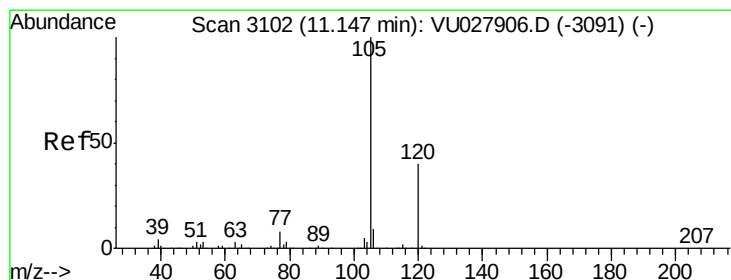
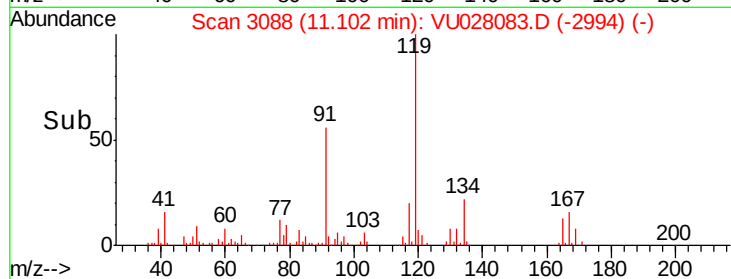
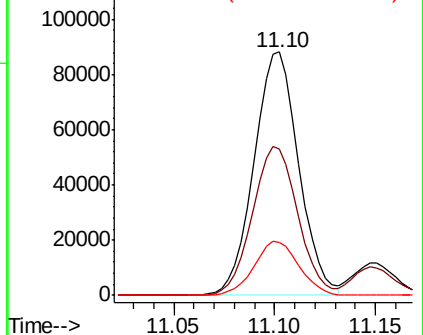
#83
 tert-Butylbenzene
 Concen: 19.483 ug/l
 RT: 11.10 min Scan# 3088
 Delta R.T. 0.00 min
 Lab File: VU028083.D
 Acq: 13 Nov 2018 11:40

Instrument :
 MSVOA_U
 ClientSampled :

Tot Ion:119 Resp: 136630
 Ion Ratio Lower Upper
 119 100
 91 61.8 29.8 89.3
 134 22.2 11.1 33.1

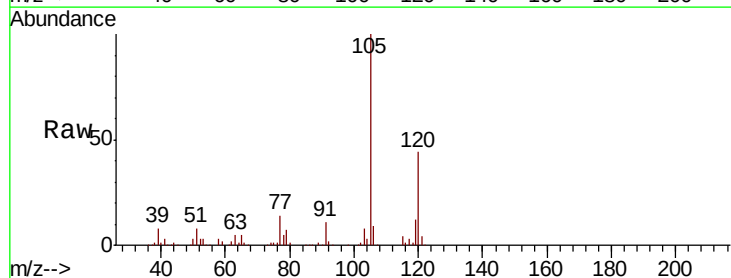


Abundance Ion 119.00 (118.70 to 119.70): V
 Ion 91.00 (90.70 to 91.70): VU0
 Ion 134.00 (133.70 to 134.70): V

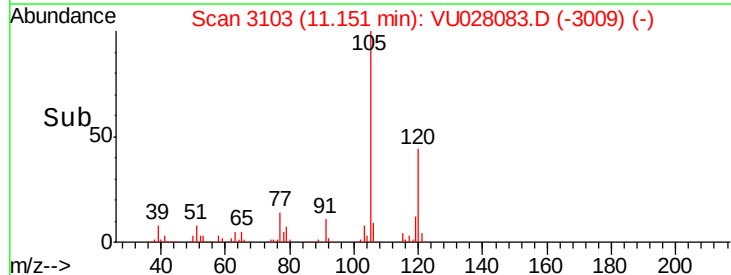
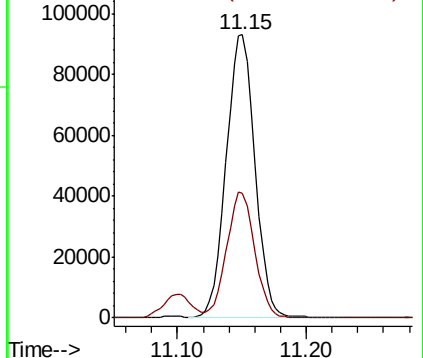


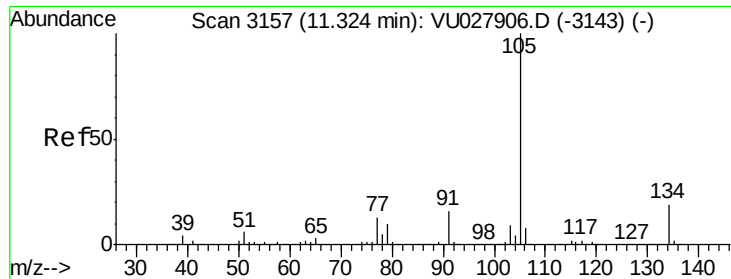
#84
 1,2,4-Trimethylbenzene
 Concen: 20.280 ug/l
 RT: 11.15 min Scan# 3103
 Delta R.T. 0.00 min
 Lab File: VU028083.D
 Acq: 13 Nov 2018 11:40

Tgt Ion:105 Resp: 143252
 Ion Ratio Lower Upper
 105 100
 120 43.3 22.1 66.1



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

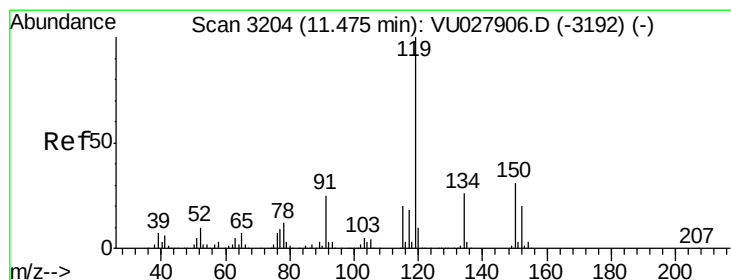
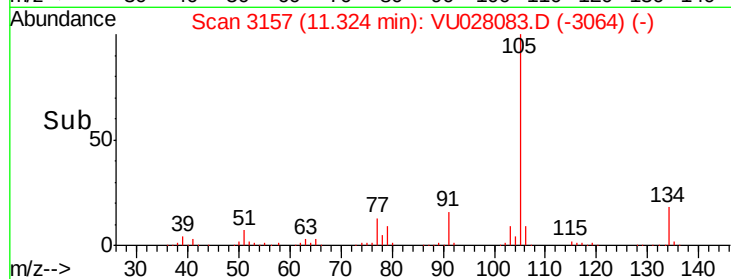
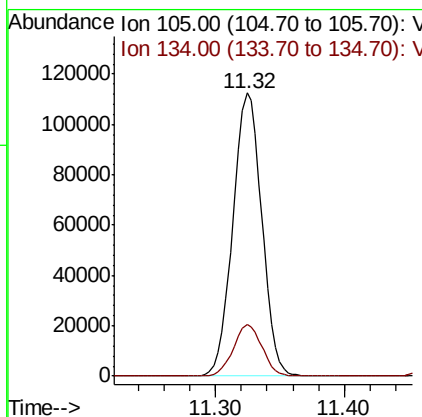
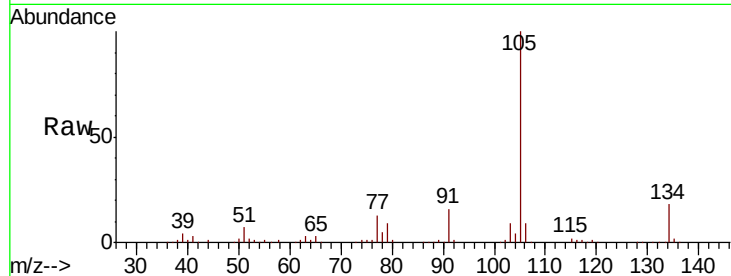




#85
 sec-Butylbenzene
 Concen: 20.529 ug/l
 RT: 11.32 min Scan# 3157
 Delta R.T. 0.00 min
 Lab File: VU028083.D
 Acq: 13 Nov 2018 11:40

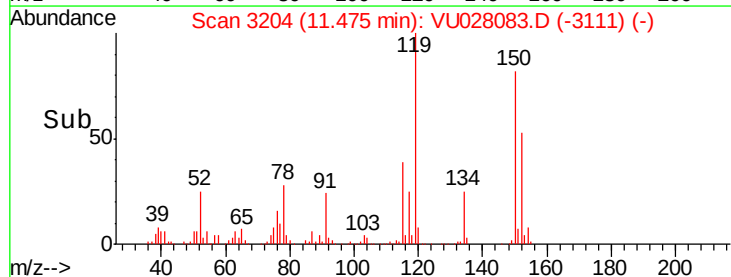
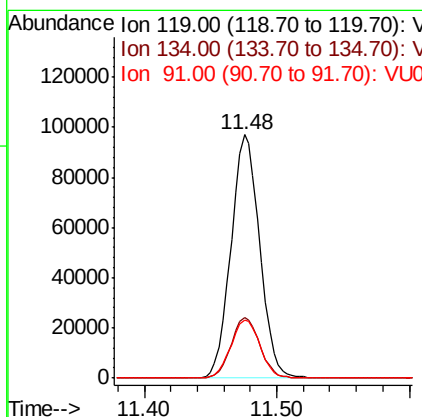
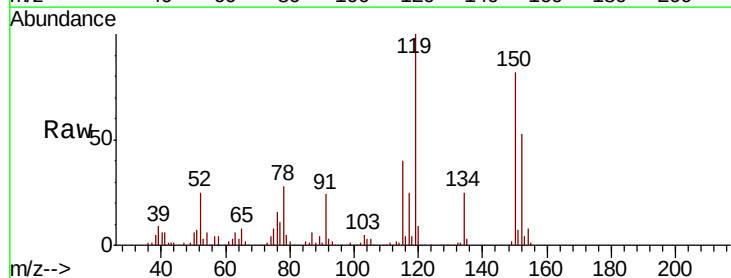
Instrument :
 MSVOA_U
 ClientSampleId :

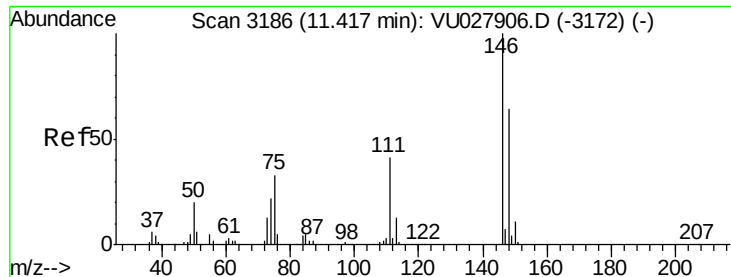
Tot Ion:105 Resp: 175086
 Ion Ratio Lower Upper
 105 100
 134 18.1 9.2 27.6



#86
 p-Isopropyltoluene
 Concen: 20.332 ug/l
 RT: 11.48 min Scan# 3204
 Delta R.T. 0.00 min
 Lab File: VU028083.D
 Acq: 13 Nov 2018 11:40

Tgt Ion:119 Resp: 144965
 Ion Ratio Lower Upper
 119 100
 134 25.0 12.9 38.7
 91 24.5 12.4 37.2

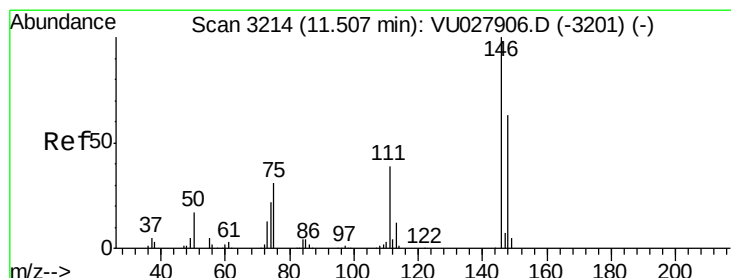
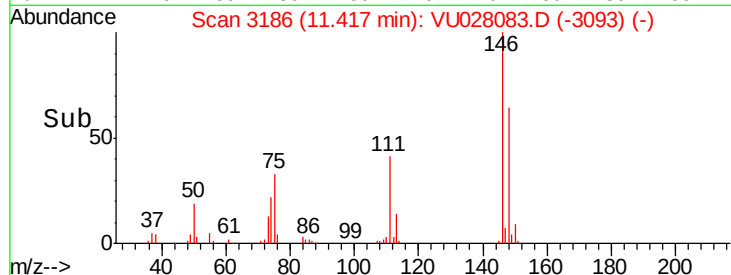
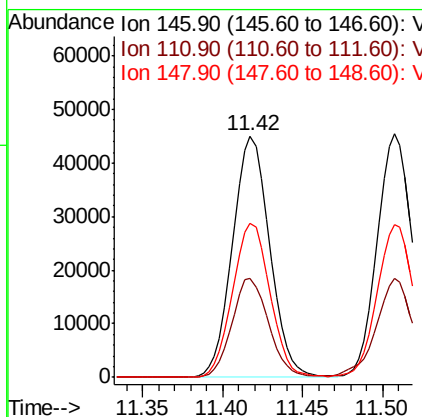
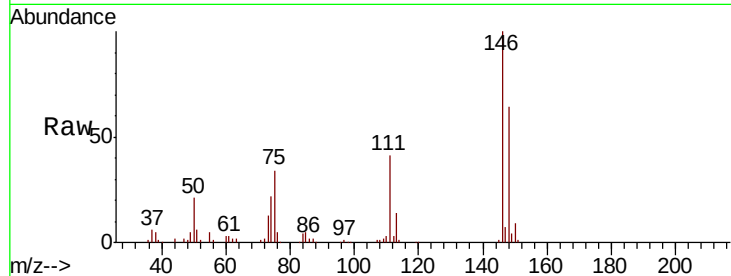




#87
 1,3-Dichlorobenzene
 Concen: 19.887 ug/l
 RT: 11.42 min Scan# 3186
 Delta R.T. 0.00 min
 Lab File: VU028083.D
 Acq: 13 Nov 2018 11:40

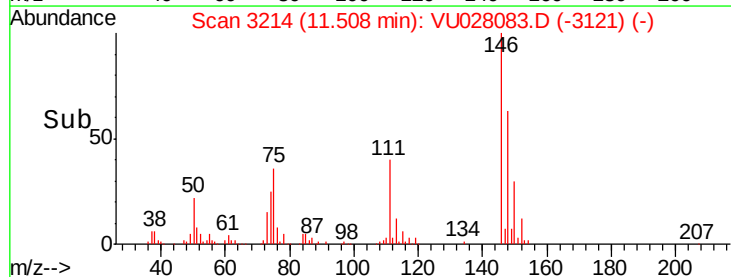
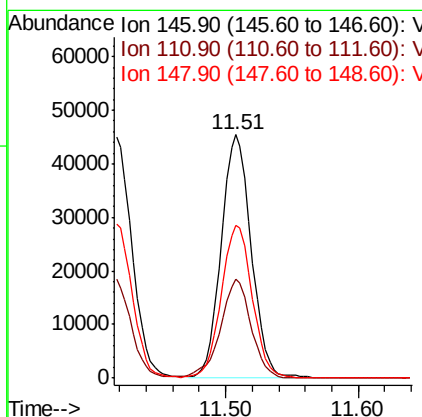
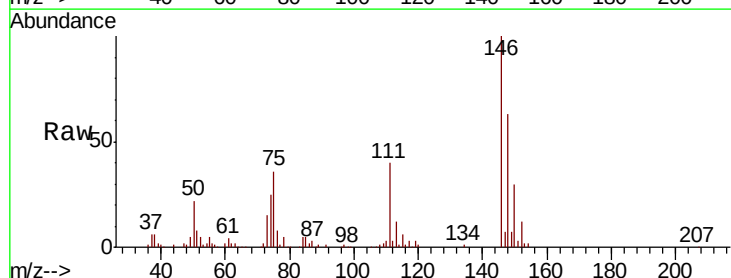
Instrument :
 MSVOA_U
 ClientSampled :

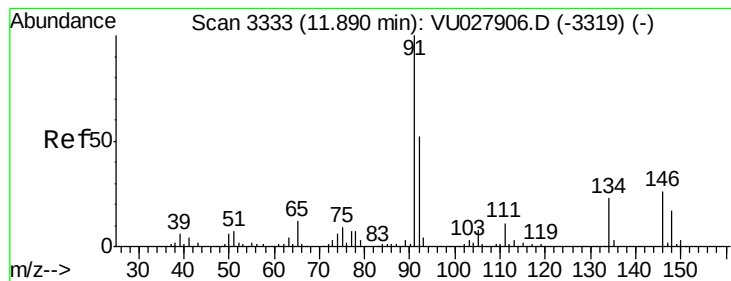
Tot Ion:146 Resp: 71332
 Ion Ratio Lower Upper
 146 100
 111 40.4 20.3 61.0
 148 64.1 31.8 95.4



#88
 1,4-Dichlorobenzene
 Concen: 19.406 ug/l
 RT: 11.51 min Scan# 3214
 Delta R.T. 0.00 min
 Lab File: VU028083.D
 Acq: 13 Nov 2018 11:40

Tgt Ion:146 Resp: 71346
 Ion Ratio Lower Upper
 146 100
 111 41.3 20.3 60.9
 148 64.7 32.0 96.2





#89

n-Butylbenzene

Concen: 19.177 ug/l

RT: 11.89 min Scan# 3333

Delta R.T. 0.00 min

Lab File: VU028083.D

Acq: 13 Nov 2018 11:40

Instrument :

MSVOA_U

ClientSampleId :

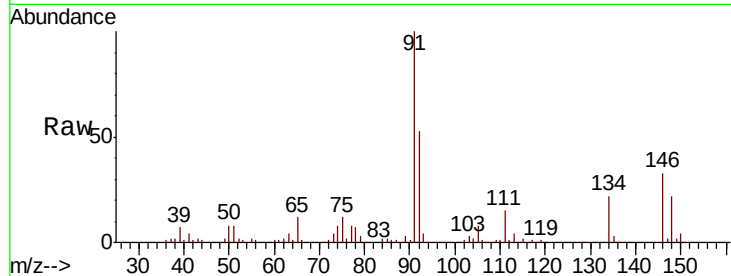
Tot Ion: 91 Resp: 129939

Ion Ratio Lower Upper

91 100

92 52.3 26.2 78.5

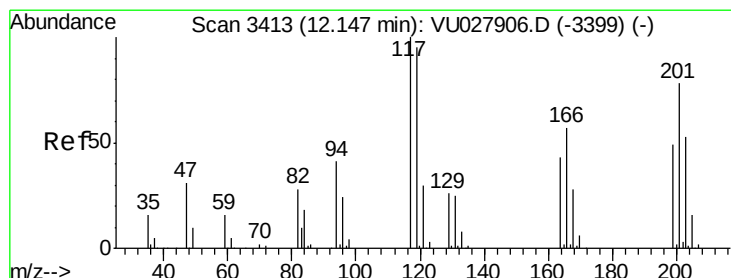
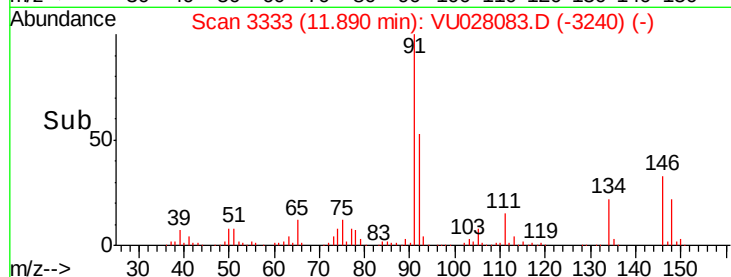
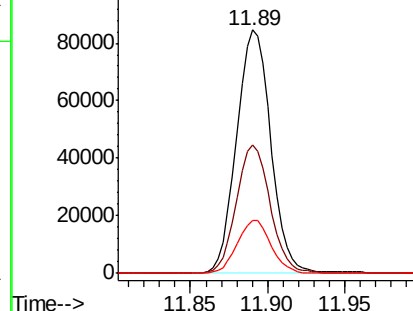
134 21.5 11.5 34.5



Abundance Ion 91.00 (90.70 to 91.70): VU027906.D (-3319) (-)

Ion 92.00 (91.70 to 92.70): VU027906.D (-3319) (-)

Ion 134.00 (133.70 to 134.70): VU027906.D (-3319) (-)



#90

Hexachloroethane

Concen: 20.432 ug/l

RT: 12.14 min Scan# 3412

Delta R.T. -0.00 min

Lab File: VU028083.D

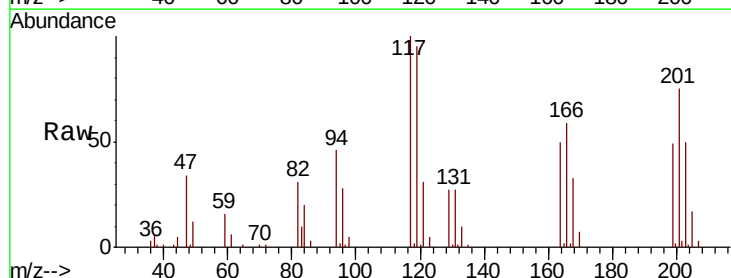
Acq: 13 Nov 2018 11:40

Tgt Ion: 117 Resp: 25936

Ion Ratio Lower Upper

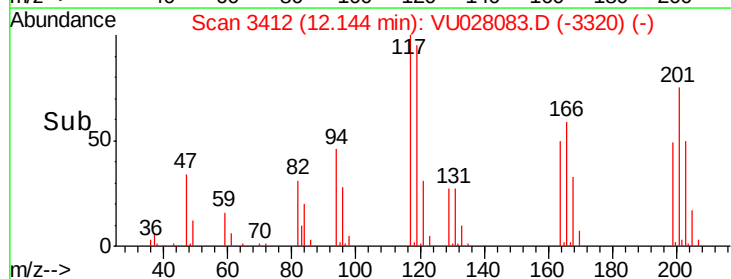
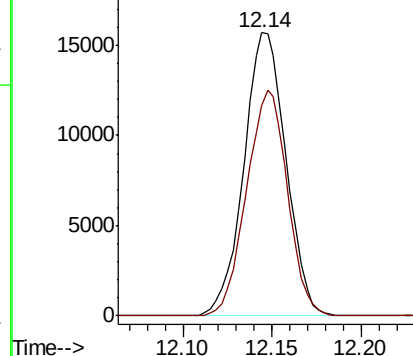
117 100

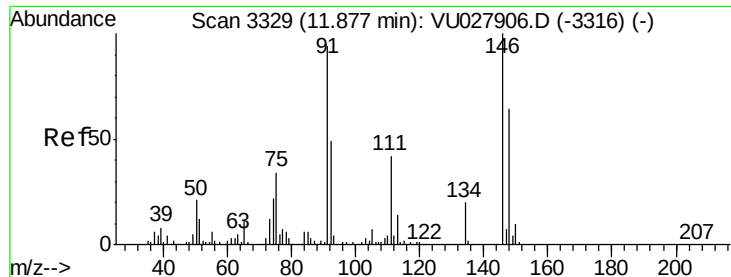
201 77.4 38.5 115.5



Abundance Ion 116.80 (116.50 to 117.50): VU027906.D (-3399) (-)

Ion 200.70 (200.40 to 201.40): VU027906.D (-3399) (-)

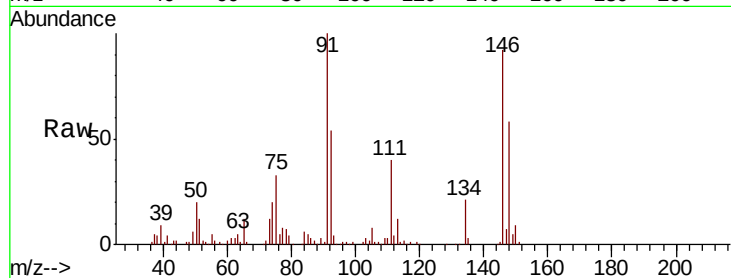




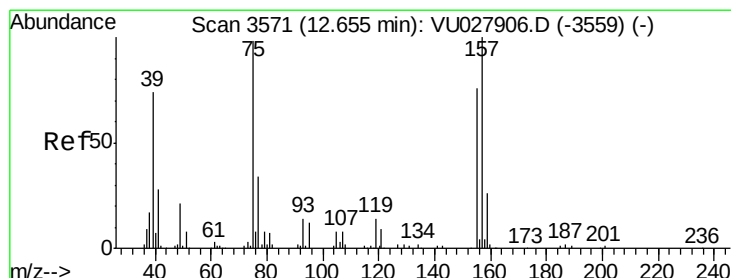
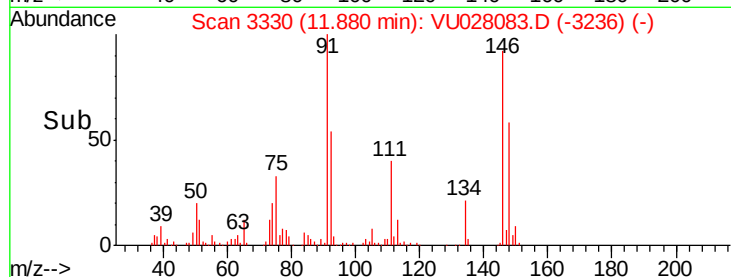
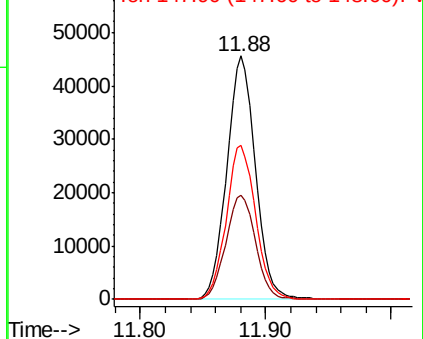
#91
 1,2-Dichlorobenzene
 Concen: 19.974 ug/l
 RT: 11.88 min Scan# 3330
 Delta R.T. 0.00 min
 Lab File: VU028083.D
 Acq: 13 Nov 2018 11:40

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion:146 Resp: 72048
 Ion Ratio Lower Upper
 146 100
 111 44.4 21.3 64.0
 148 64.8 31.8 95.3

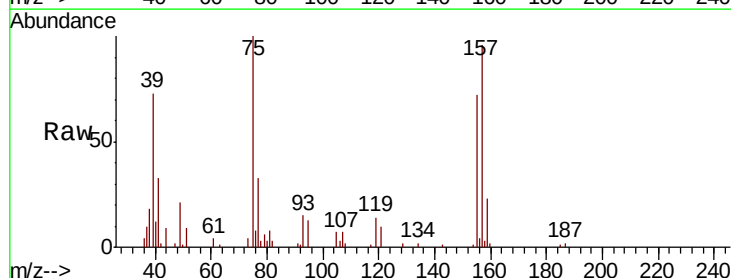


Abundance Ion 145.90 (145.60 to 146.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

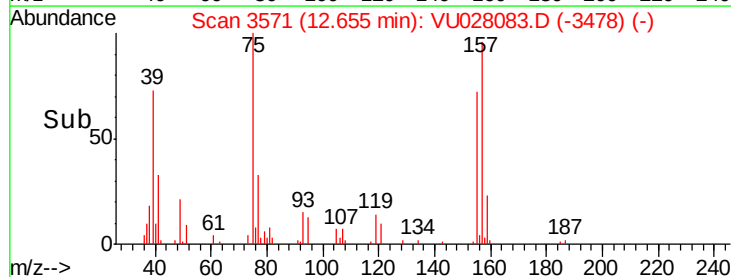
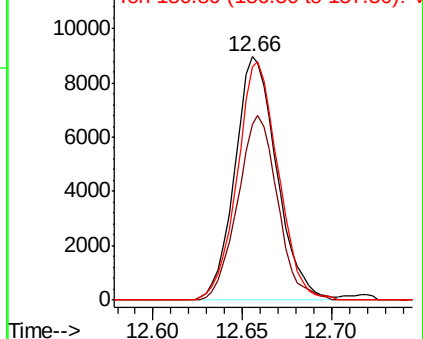


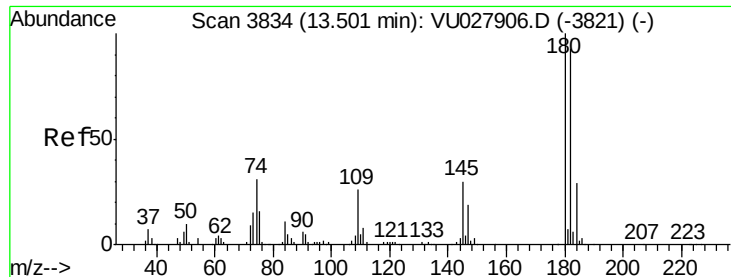
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 20.494 ug/l
 RT: 12.66 min Scan# 3571
 Delta R.T. 0.00 min
 Lab File: VU028083.D
 Acq: 13 Nov 2018 11:40

Tgt Ion: 75 Resp: 14750
 Ion Ratio Lower Upper
 75 100
 155 72.2 39.8 119.3
 157 95.4 50.6 151.9



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: 17.320 ug/l

RT: 13.50 min Scan# 3835

Delta R.T. 0.00 min

Lab File: VU028083.D

Acq: 13 Nov 2018 11:40

Instrument :

MSVOA_U

ClientSampleId :

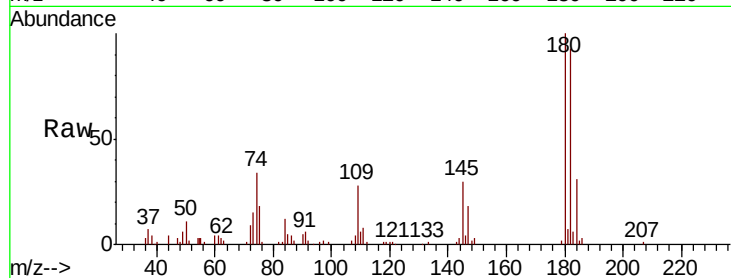
Tot Ion:180 Resp: 42667

Ion Ratio Lower Upper

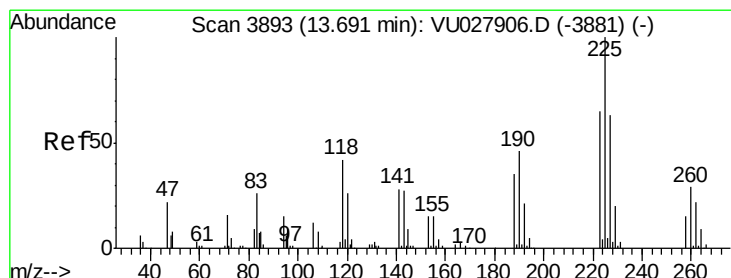
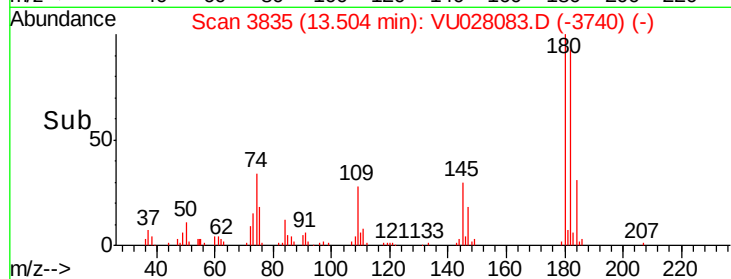
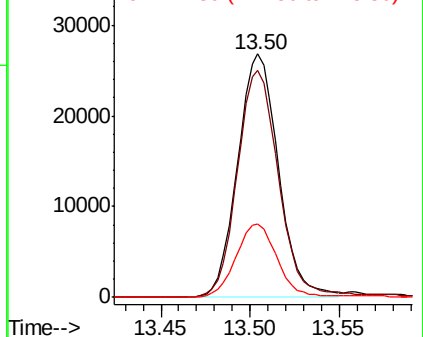
180 100

182 94.2 48.4 145.2

145 30.1 14.9 44.5



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: 20.028 ug/l

RT: 13.69 min Scan# 3894

Delta R.T. 0.00 min

Lab File: VU028083.D

Acq: 13 Nov 2018 11:40

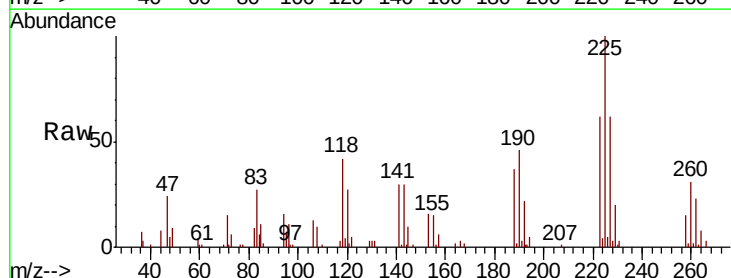
Tgt Ion:225 Resp: 22960

Ion Ratio Lower Upper

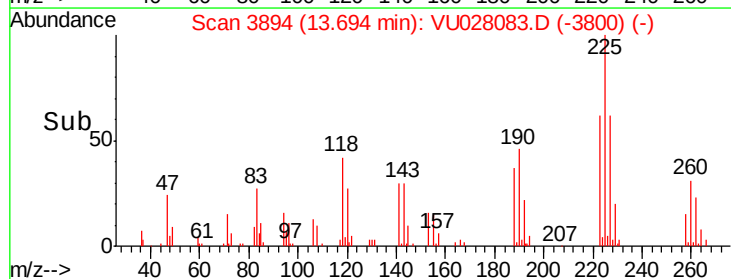
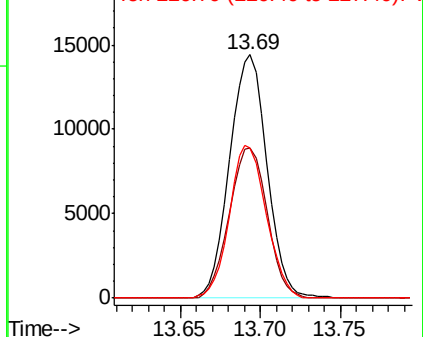
225 100

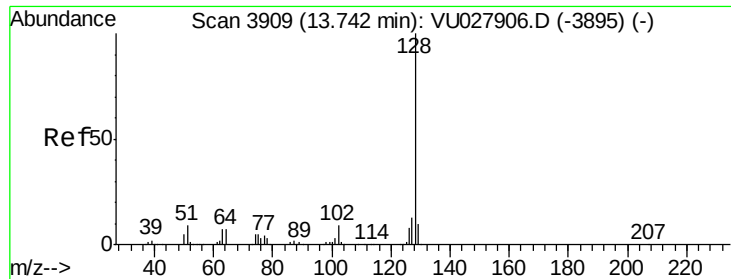
223 62.5 32.2 96.6

227 61.9 32.5 97.4



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

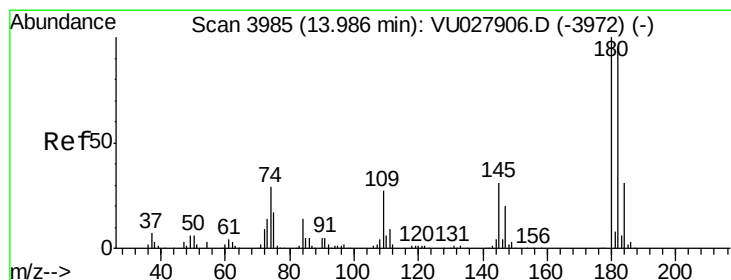
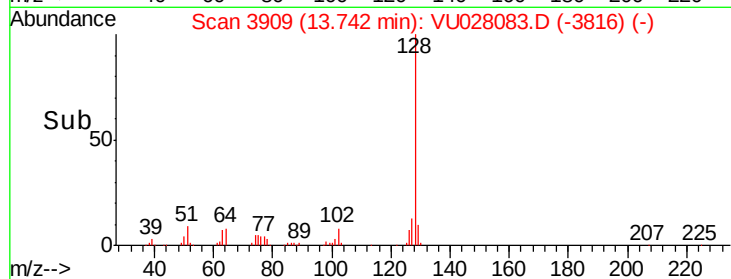
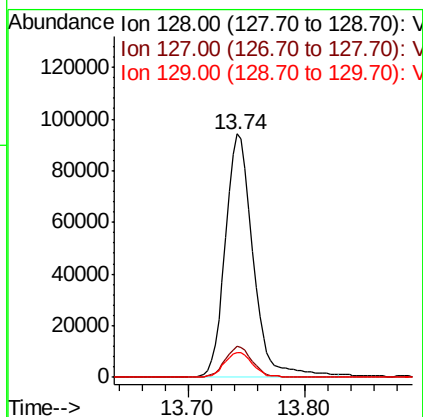
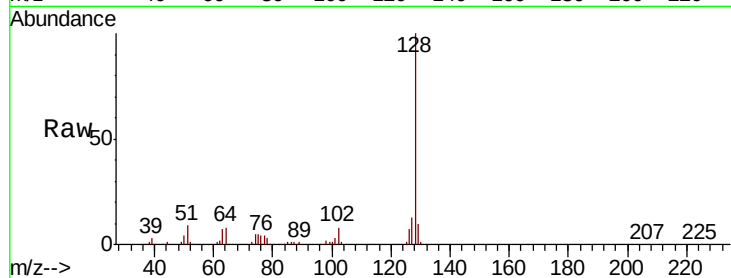




#95
Naphthalene
Concen: 17.323 ug/l
RT: 13.74 min Scan# 3909
Delta R.T. 0.00 min
Lab File: VU028083.D
Acq: 13 Nov 2018 11:40

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion:128 Resp: 156384
Ion Ratio Lower Upper
128 100
127 12.3 10.4 15.6
129 10.3 8.3 12.5



#96
1,2,3-Trichlorobenzene
Concen: 19.166 ug/l
RT: 13.99 min Scan# 3985
Delta R.T. 0.00 min
Lab File: VU028083.D
Acq: 13 Nov 2018 11:40

Tgt Ion:180 Resp: 46390
Ion Ratio Lower Upper
180 100
182 90.7 47.4 142.3
145 30.2 16.0 47.9

