

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U111318\
 Data File : VU028081.D
 Acq On : 13 Nov 2018 10:37
 Operator : MD/SY
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Nov 14 06:53:50 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	164206	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	278100	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	258754	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	133103	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.31	65	134623	55.14	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.28%	
35) Dibromofluoromethane	4.88	113	99354	56.66	ug/l	0.00
Spiked Amount	50.000		Recovery	=	113.32%	
50) Toluene-d8	7.57	98	381210	56.28	ug/l	0.00
Spiked Amount	50.000		Recovery	=	112.56%	
62) 4-Bromofluorobenzene	10.31	95	144140	57.69	ug/l	0.00
Spiked Amount	50.000		Recovery	=	115.38%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.21	85	87319	41.849	ug/l	96
3) Chloromethane	1.33	50	129445	51.297	ug/l	99
4) Vinyl Chloride	1.40	62	125085	49.943	ug/l	98
5) Bromomethane	1.60	94	70121	64.394	ug/l	98
6) Chloroethane	1.68	64	76309	52.870	ug/l	98
7) Trichlorofluoromethane	1.88	101	152128	52.564	ug/l	96
8) Diethyl Ether	2.10	74	66728	53.847	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	2.28	101	94489	54.959	ug/l	99
10) Methyl Iodide	2.41	142	95997	59.121	ug/l	99
11) Tert butyl alcohol	2.83	59	169091	261.628	ug/l	100
12) 1,1-Dichloroethene	2.28	96	86699	50.378	ug/l	98
13) Acrolein	2.19	56	67193	283.548	ug/l	98
14) Allyl chloride	2.59	41	213042	50.650	ug/l	99
15) Acrylonitrile	2.93	53	428909	270.164	ug/l	99
16) Acetone	2.32	43	426882	281.827	ug/l	99
17) Carbon Disulfide	2.48	76	272404	48.426	ug/l	100
18) Methyl Acetate	2.61	43	228861	54.926	ug/l	99
19) Methyl tert-butyl Ether	3.00	73	370860	53.437	ug/l	99
20) Methylene Chloride	2.70	84	116080	52.488	ug/l	97
21) trans-1,2-Dichloroethene	2.98	96	98987	49.841	ug/l	97
22) Diisopropyl ether	3.57	45	465182	53.570	ug/l	99
23) Vinyl Acetate	3.52	43	2030247	272.042	ug/l	100
24) 1,1-Dichloroethane	3.44	63	227494	52.596	ug/l	98
25) 2-Butanone	4.26	43	663277	275.249	ug/l	100
26) 2,2-Dichloropropane	4.22	77	178871	55.106	ug/l	99
27) cis-1,2-Dichloroethene	4.22	96	118336	53.133	ug/l	97
28) Bromochloromethane	4.55	49	119771	59.067	ug/l	97
29) Tetrahydrofuran	4.64	42	411648	255.828	ug/l	100
30) Chloroform	4.67	83	207672	52.364	ug/l	99
31) Cyclohexane	4.99	56	218769	51.595	ug/l	98
32) 1,1,1-Trichloroethane	4.92	97	168561	53.394	ug/l	98
36) 1,1-Dichloropropene	5.13	75	156152	53.612	ug/l	99
37) Ethyl Acetate	4.38	43	229833	53.854	ug/l	99
38) Carbon Tetrachloride	5.13	117	140081	54.270	ug/l	98

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 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)
39) Methylcyclohexane	6.41	83	191907	54.628	ug/l	98
40) Benzene	5.39	78	479757	53.875	ug/l	99
41) Methacrylonitrile	4.54	41	130106	57.126	ug/l	99
42) 1,2-Dichloroethane	5.40	62	170943	54.005	ug/l	99
43) Isopropyl Acetate	5.55	43	369808	55.309	ug/l	99
44) Trichloroethene	6.19	130	105200	54.959	ug/l	95
45) 1,2-Dichloropropane	6.43	63	140692	54.783	ug/l	100
46) Dibromomethane	6.56	93	82875	56.141	ug/l	94
47) Bromodichloromethane	6.76	83	163869	57.603	ug/l	100
48) Methyl methacrylate	6.62	41	185612	56.649	ug/l	99
49) 1,4-Dioxane	6.61	88	64794	1212.093	ug/l	98
51) 4-Methyl-2-Pentanone	7.46	43	1231253	275.742	ug/l	99
52) Toluene	7.64	92	282001	53.866	ug/l	100
53) t-1,3-Dichloropropene	7.88	75	192036	54.335	ug/l	99
54) cis-1,3-Dichloropropene	7.27	75	205954	58.727	ug/l	98
55) 1,1,2-Trichloroethane	8.07	97	118757	55.757	ug/l	98
56) Ethyl methacrylate	8.02	69	213513	56.844	ug/l	99
57) 1,3-Dichloropropane	8.24	76	216745	55.864	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.13	63	561771	279.256	ug/l	99
59) 2-Hexanone	8.36	43	982428	284.468	ug/l	100
60) Dibromochloromethane	8.48	129	117087	58.093	ug/l	97
61) 1,2-Dibromoethane	8.58	107	122803	54.261	ug/l	98
64) Tetrachloroethene	8.23	164	92756	55.283	ug/l	98
65) Chlorobenzene	9.12	112	296241	54.189	ug/l	99
66) 1,1,1,2-Tetrachloroethane	9.21	131	105365	56.427	ug/l	99
67) Ethyl Benzene	9.25	91	561082	55.759	ug/l	100
68) m/p-Xylenes	9.38	106	408275	111.822	ug/l	99
69) o-Xylene	9.78	106	199348	54.070	ug/l	97
70) Styrene	9.79	104	333120	56.548	ug/l	99
71) Bromoform	9.96	173	91267	58.321	ug/l #	99
73) Isopropylbenzene	10.17	105	542619	52.623	ug/l	100
74) N-amyl acetate	10.01	43	346669	55.600	ug/l	99
75) 1,1,2,2-Tetrachloroethane	10.46	83	219585	52.794	ug/l	99
76) 1,2,3-Trichloropropane	10.49	75	265274	72.862	ug/l	81
77) Bromobenzene	10.45	156	126162	53.359	ug/l	98
78) n-propylbenzene	10.59	91	674634	54.659	ug/l	99
79) 2-Chlorotoluene	10.66	91	391723	52.948	ug/l	98
80) 1,3,5-Trimethylbenzene	10.77	105	459123	53.750	ug/l	100
81) trans-1,4-Dichloro-2-buten	10.49	75	265274	181.228	ug/l #	100
82) 4-Chlorotoluene	10.77	91	449292	53.493	ug/l	99
83) tert-Butylbenzene	11.10	119	442537	51.823	ug/l	97
84) 1,2,4-Trimethylbenzene	11.15	105	474745	55.195	ug/l	98
85) sec-Butylbenzene	11.32	105	571729	55.052	ug/l	99
86) p-Isopropyltoluene	11.48	119	477074	54.951	ug/l	99
87) 1,3-Dichlorobenzene	11.42	146	233966	53.567	ug/l	100
88) 1,4-Dichlorobenzene	11.51	146	230278	51.438	ug/l	99
89) n-Butylbenzene	11.89	91	465652	56.436	ug/l	100
90) Hexachloroethane	12.15	117	87079	56.337	ug/l	97
91) 1,2-Dichlorobenzene	11.88	146	237440	54.058	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.66	75	50011	57.063	ug/l	93

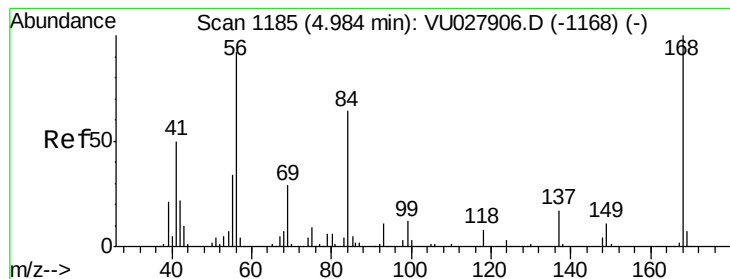
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.50	180	150928	49.010	ug/l	100
94) Hexachlorobutadiene	13.69	225	77824	55.749	ug/l	98
95) Naphthalene	13.74	128	539531	49.414	ug/l	99
96) 1,2,3-Trichlorobenzene	13.99	180	157562	53.459	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.98 min Scan# 1185

Delta R.T. 0.00 min

Lab File: VU028081.D

Acq: 13 Nov 2018 10:37

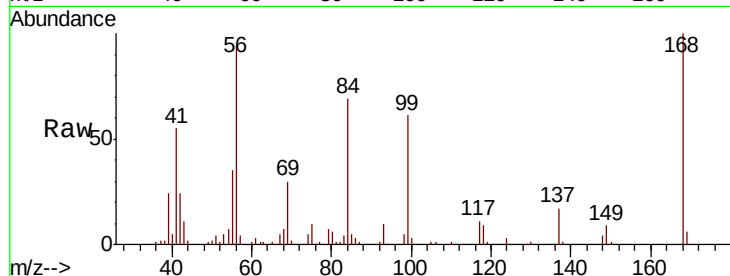
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion:168 Resp: 164206

Ion Ratio Lower Upper

168 100

99 60.6 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

80000

60000

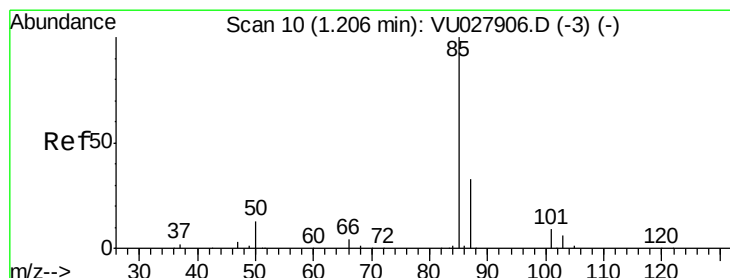
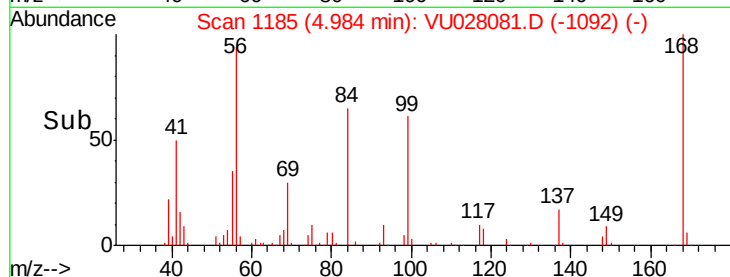
40000

20000

0

4.90 5.00 5.10

Time-->



#2

Dichlorodifluoromethane

Concen: 41.849 ug/l

RT: 1.21 min Scan# 10

Delta R.T. 0.00 min

Lab File: VU028081.D

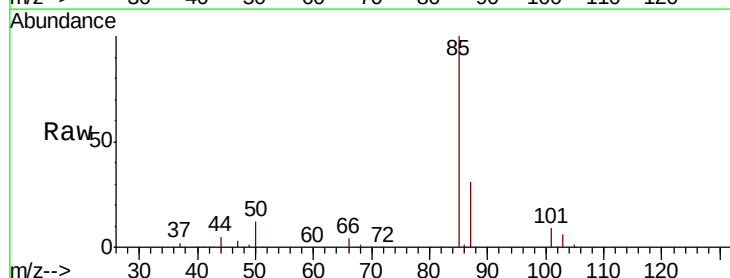
Acq: 13 Nov 2018 10:37

Tgt Ion: 85 Resp: 87319

Ion Ratio Lower Upper

85 100

87 30.9 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

100000

80000

60000

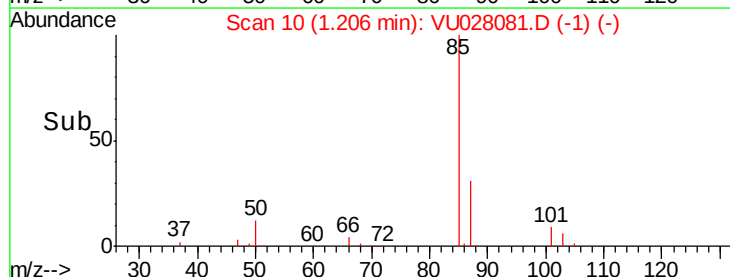
40000

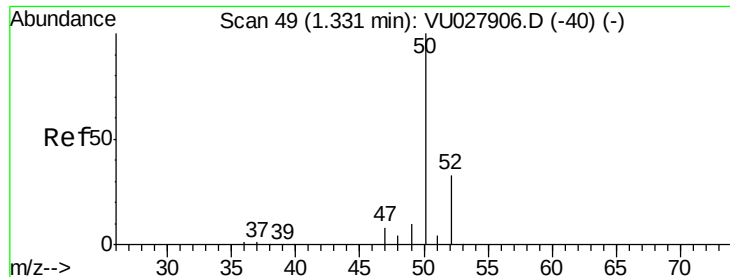
20000

0

1.15 1.20 1.25

Time-->

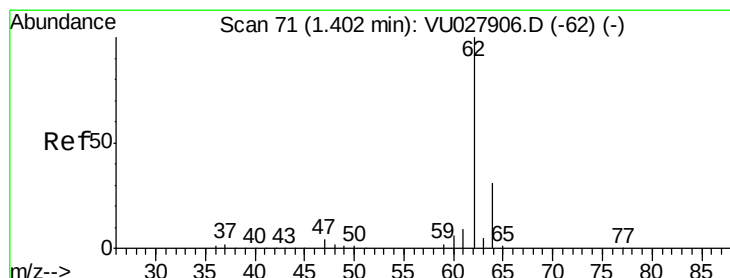
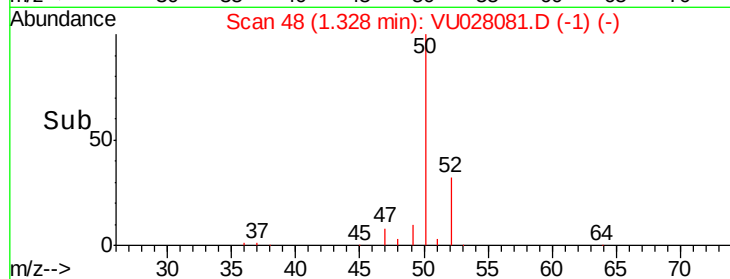
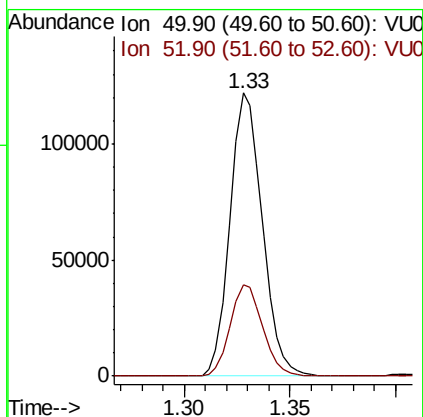
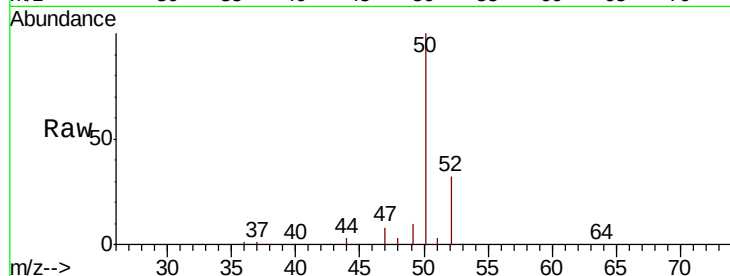




#3
Chloromethane
Concen: 51.297 ug/l
RT: 1.33 min Scan# 48
Delta R.T. -0.00 min
Lab File: VU028081.D
Acq: 13 Nov 2018 10:37

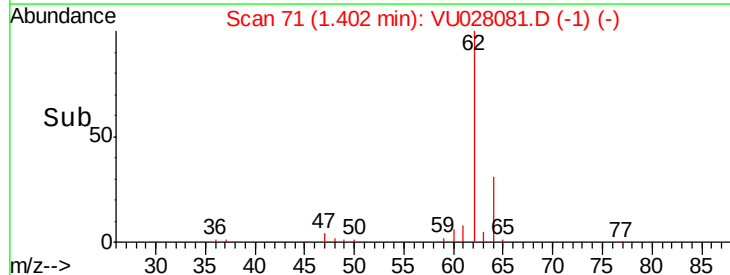
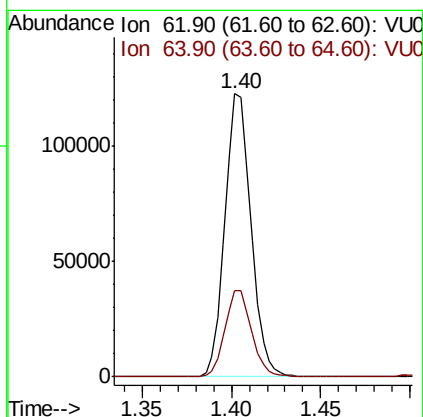
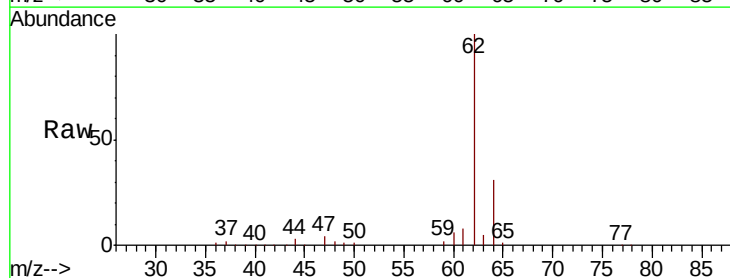
Instrument :
MSVOA_U
ClientSampleId :

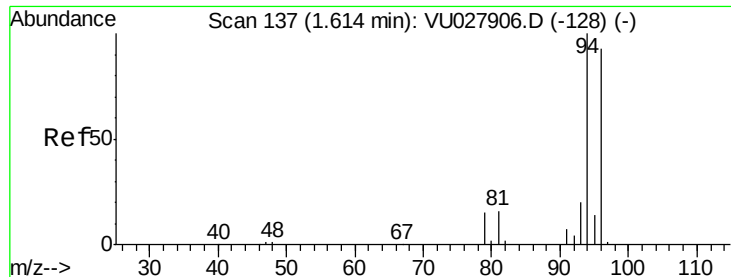
Tot Ion: 50 Resp: 129445
Ion Ratio Lower Upper
50 100
52 32.2 26.2 39.4



#4
Vinyl Chloride
Concen: 49.943 ug/l
RT: 1.40 min Scan# 71
Delta R.T. 0.00 min
Lab File: VU028081.D
Acq: 13 Nov 2018 10:37

Tgt Ion: 62 Resp: 125085
Ion Ratio Lower Upper
62 100
64 30.6 25.2 37.8





#5

Bromomethane

Concen: 64.394 ug/l

RT: 1.60 min Scan# 134

Delta R.T. -0.01 min

Lab File: VU028081.D

Acq: 13 Nov 2018 10:37

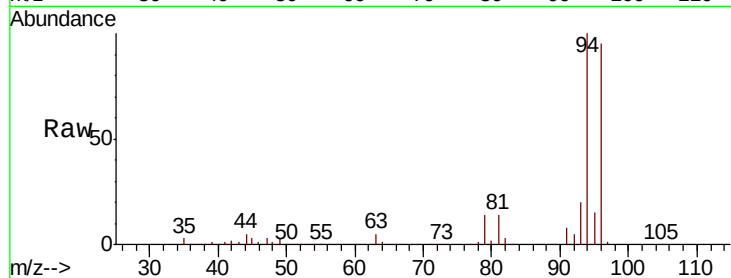
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 94 Resp: 70121

Ion Ratio Lower Upper

94 100

96 95.2 74.8 112.2



Abundance Ion 93.90 (93.60 to 94.60): VU027906.D (-128) (-)

Ion 95.90 (95.60 to 96.60): VU028081.D (-44) (-)

1.60

80000

60000

40000

20000

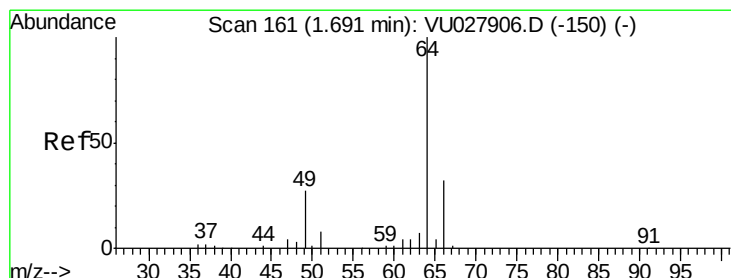
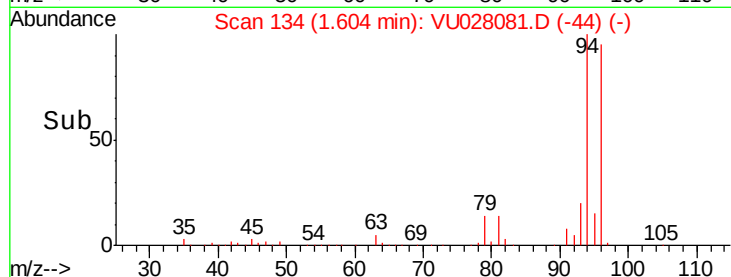
0

Time-->

1.55

1.60

1.65



#6

Chloroethane

Concen: 52.870 ug/l

RT: 1.68 min Scan# 159

Delta R.T. -0.01 min

Lab File: VU028081.D

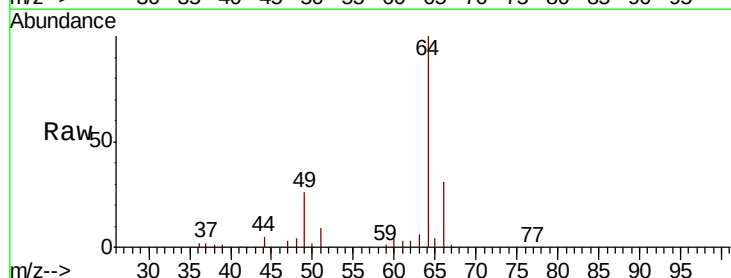
Acq: 13 Nov 2018 10:37

Tgt Ion: 64 Resp: 76309

Ion Ratio Lower Upper

64 100

66 31.5 25.9 38.9



Abundance Ion 63.90 (63.60 to 64.60): VU027906.D (-150) (-)

Ion 65.90 (65.60 to 66.60): VU028081.D (-68) (-)

1.68

60000

40000

20000

0

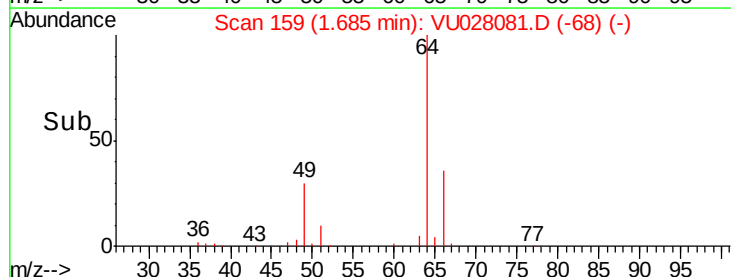
Time-->

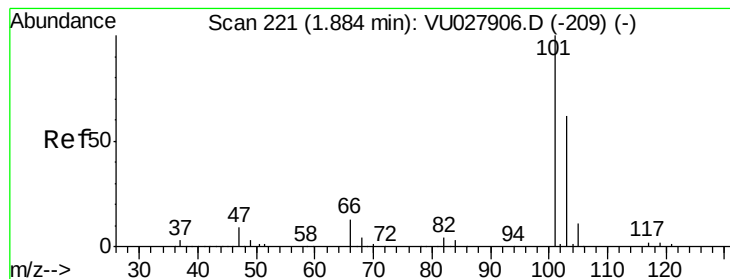
1.60

1.65

1.70

1.75



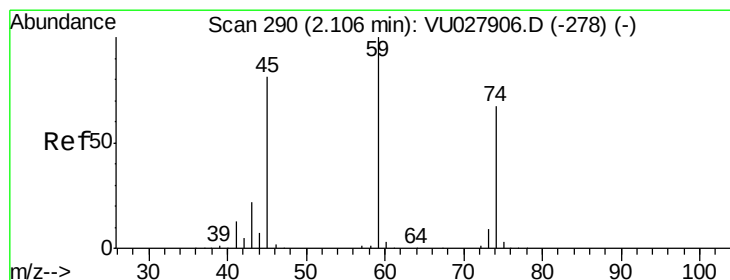
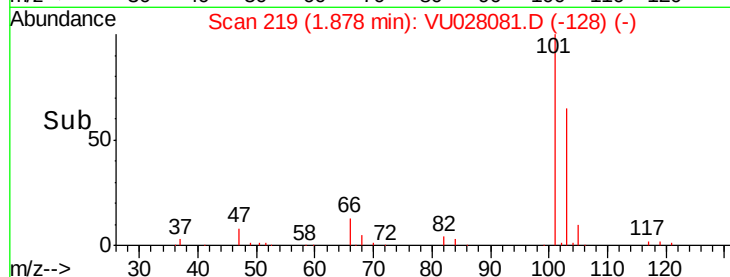
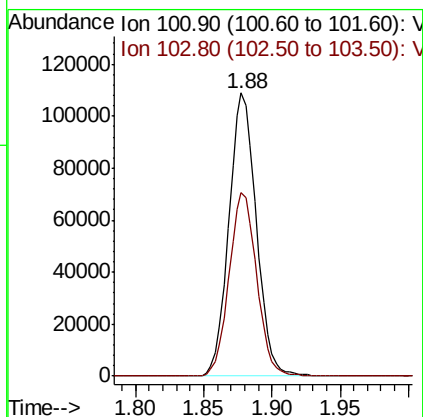
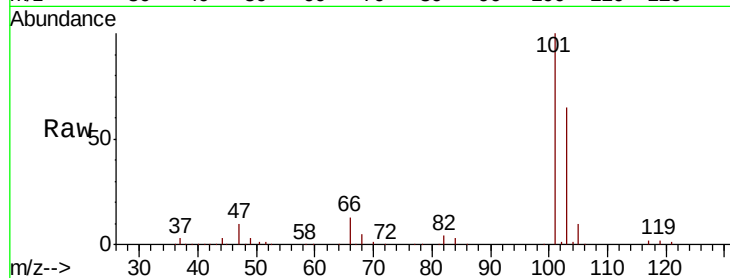


#7

Trichlorofluoromethane
 Concen: 52.564 ug/l
 RT: 1.88 min Scan# 219
 Delta R.T. -0.01 min
 Lab File: VU028081.D
 Acq: 13 Nov 2018 10:37

Instrument :
 MSVOA_U
 ClientSampleId :

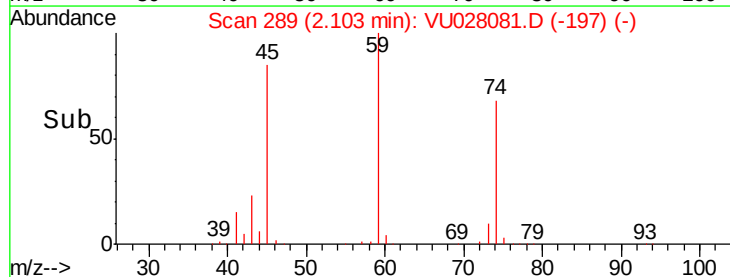
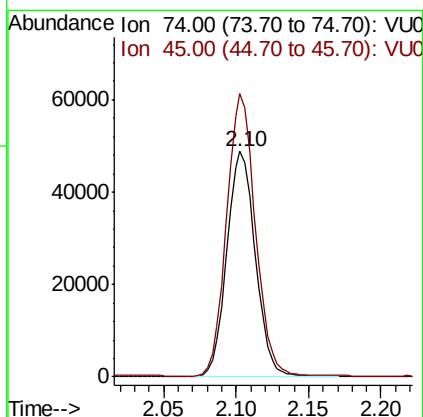
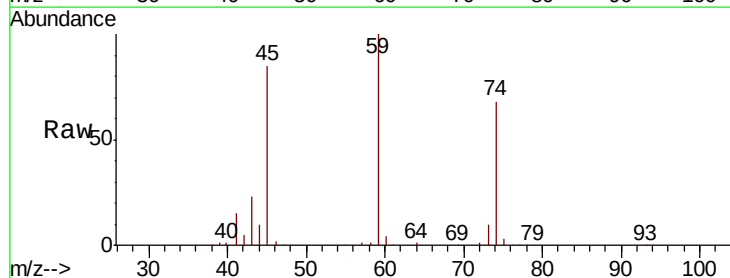
Tot Ion:101 Resp: 152128
 Ion Ratio Lower Upper
 101 100
 103 65.0 49.4 74.2

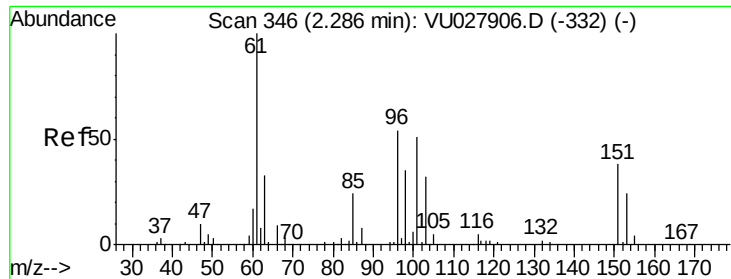


#8

Diethyl Ether
 Concen: 53.847 ug/l
 RT: 2.10 min Scan# 289
 Delta R.T. -0.00 min
 Lab File: VU028081.D
 Acq: 13 Nov 2018 10:37

Tgt Ion: 74 Resp: 66728
 Ion Ratio Lower Upper
 74 100
 45 127.1 60.5 181.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 54.959 ug/l

RT: 2.28 min Scan# 345

Delta R.T. -0.00 min

Lab File: VU028081.D

Acq: 13 Nov 2018 10:37

Instrument :

MSVOA_U

ClientSampleId :

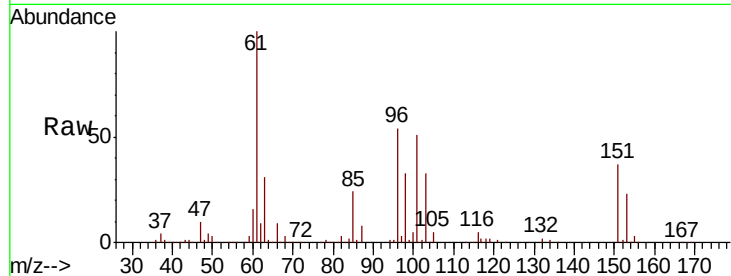
Tot Ion:101 Resp: 94489

Ion Ratio Lower Upper

101 100

85 46.2 36.9 55.3

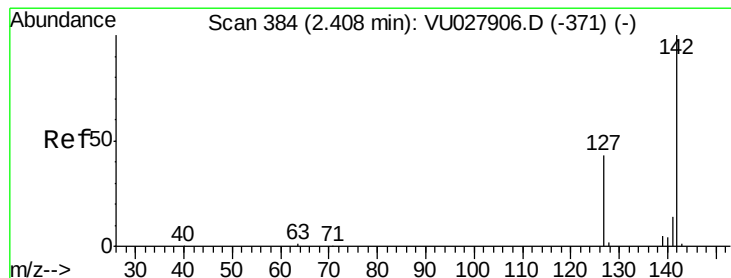
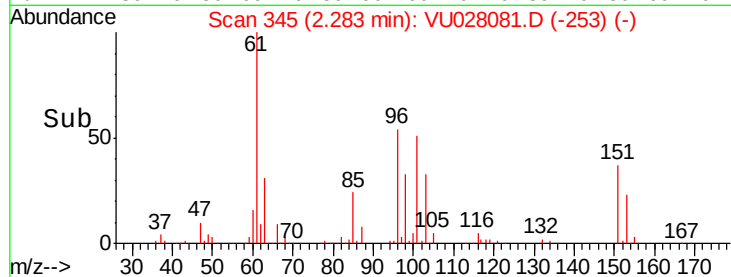
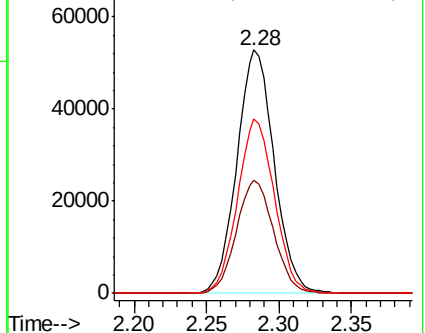
151 70.8 58.0 87.0



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: 59.121 ug/l

RT: 2.41 min Scan# 384

Delta R.T. 0.00 min

Lab File: VU028081.D

Acq: 13 Nov 2018 10:37

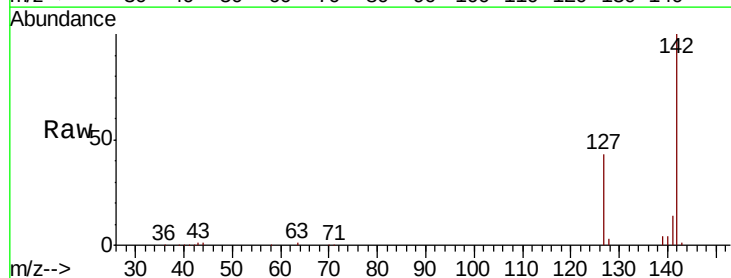
Tgt Ion:142 Resp: 95997

Ion Ratio Lower Upper

142 100

127 43.5 35.2 52.8

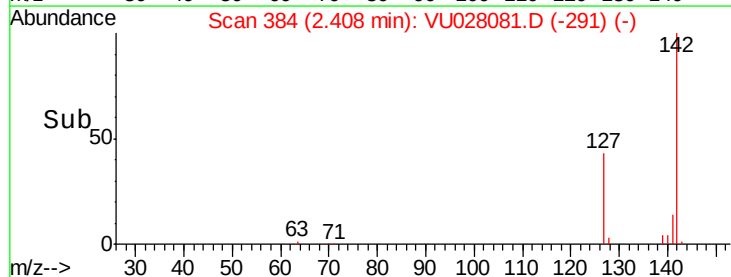
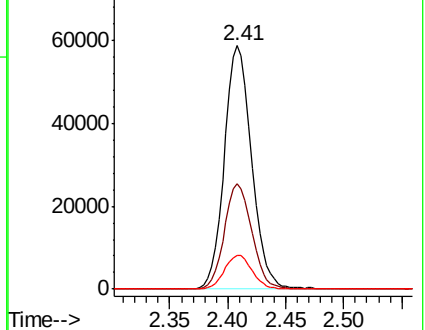
141 14.2 11.8 17.8

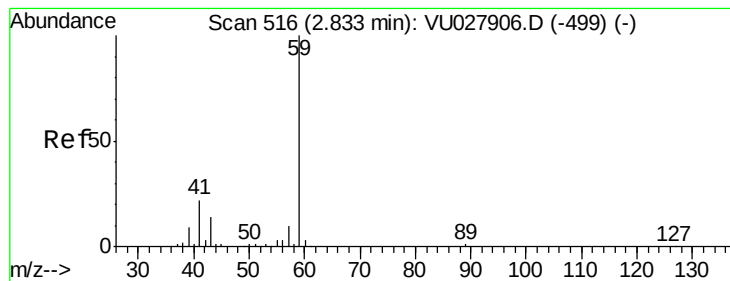


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



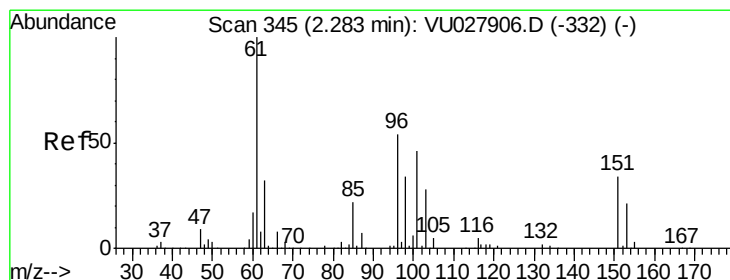
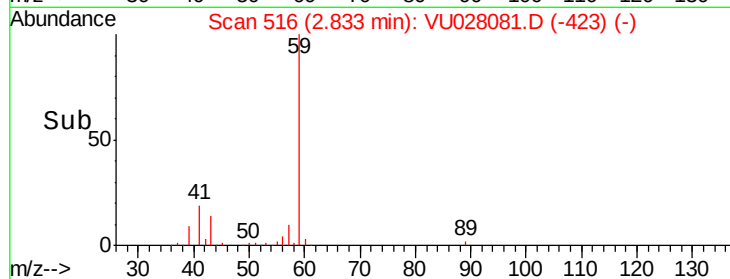
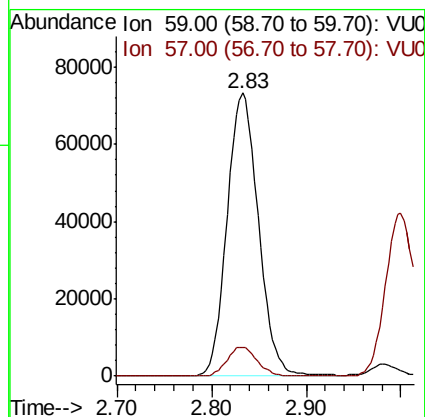
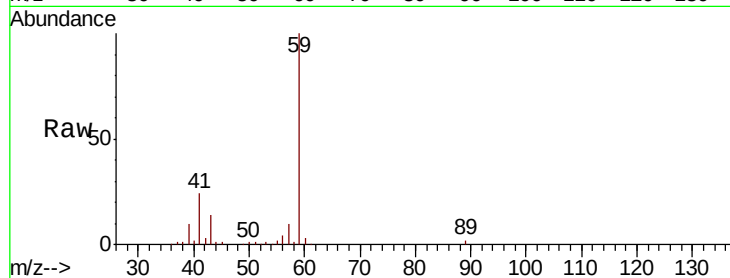


#11

Tert butyl alcohol
 Concen: 261.628 ug/l
 RT: 2.83 min Scan# 516
 Delta R.T. 0.00 min
 Lab File: VU028081.D
 Acq: 13 Nov 2018 10:37

Instrument :
 MSVOA_U
 ClientSampled :

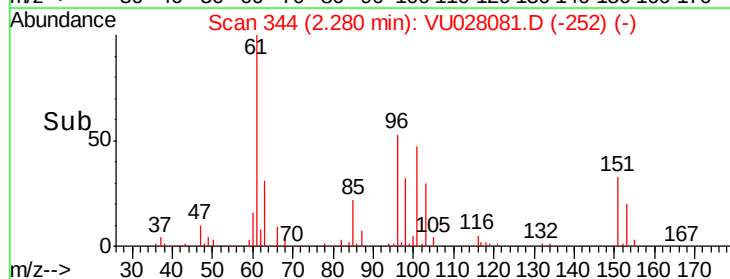
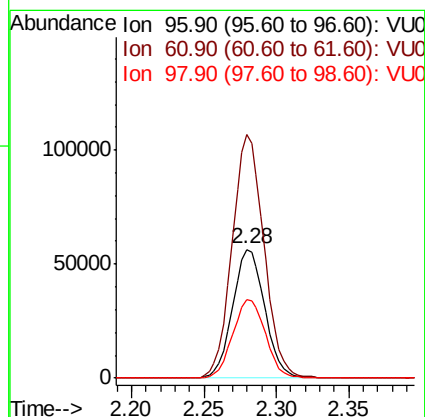
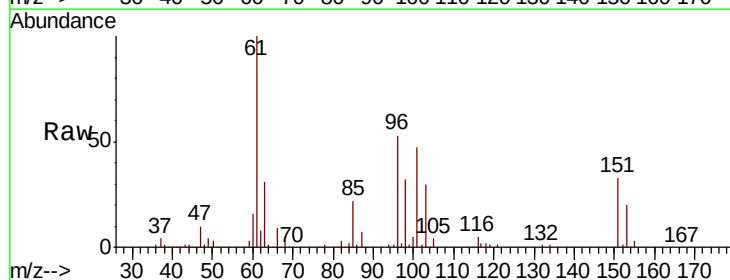
Tot Ion: 59 Resp: 169091
 Ion Ratio Lower Upper
 59 100
 57 9.9 7.8 11.8

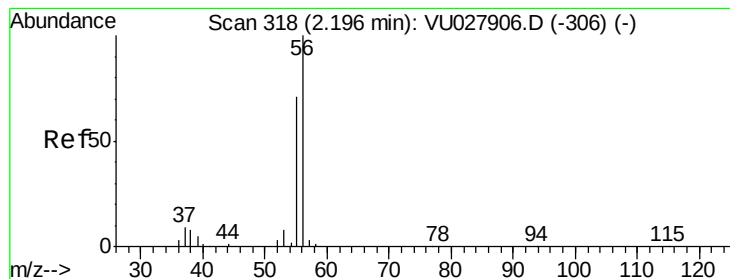


#12

1,1-Dichloroethene
 Concen: 50.378 ug/l
 RT: 2.28 min Scan# 344
 Delta R.T. -0.00 min
 Lab File: VU028081.D
 Acq: 13 Nov 2018 10:37

Tgt Ion: 96 Resp: 86699
 Ion Ratio Lower Upper
 96 100
 61 189.3 149.3 223.9
 98 60.7 50.6 75.8





#13

Acrolein

Concen: 283.548 ug/l

RT: 2.19 min Scan# 317

Delta R.T. -0.00 min

Lab File: VU028081.D

Acq: 13 Nov 2018 10:37

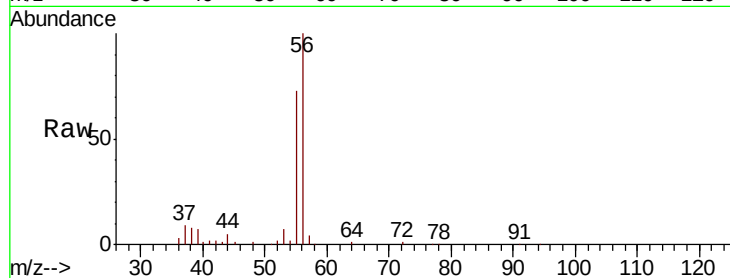
Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 56 Resp: 67193

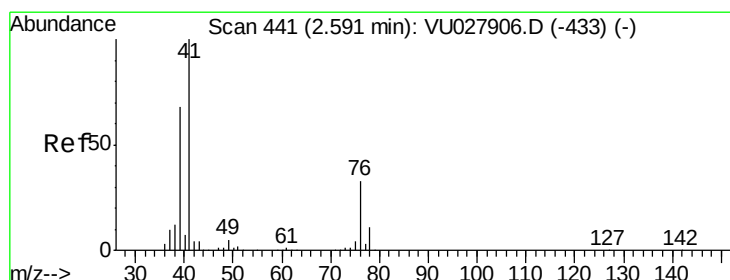
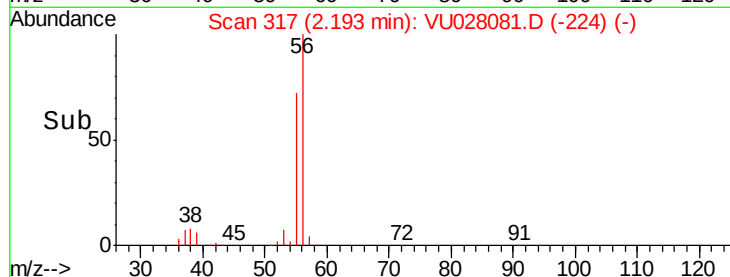
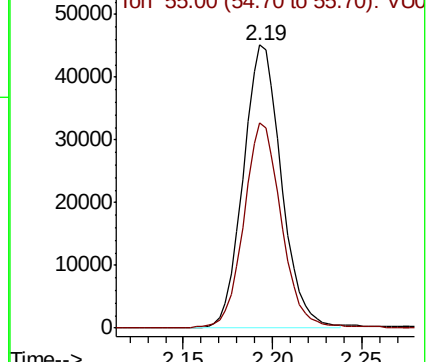
Ion Ratio Lower Upper

56 100

55 71.7 56.2 84.4



Abundance Ion 56.00 (55.70 to 56.70): VU027906.D (-306) (-)



#14

Allyl chloride

Concen: 50.650 ug/l

RT: 2.59 min Scan# 441

Delta R.T. 0.00 min

Lab File: VU028081.D

Acq: 13 Nov 2018 10:37

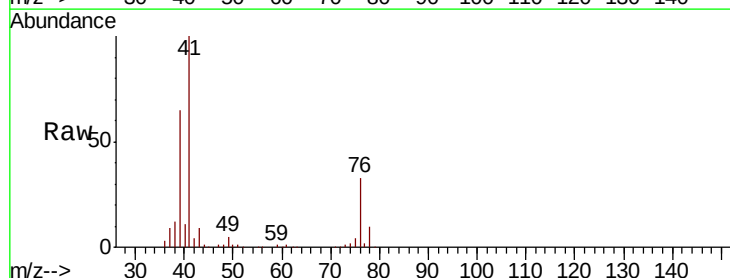
Tgt Ion: 41 Resp: 213042

Ion Ratio Lower Upper

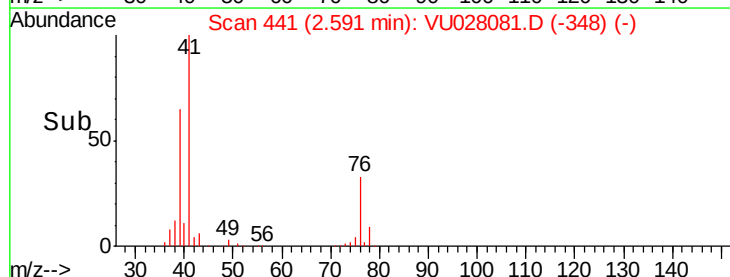
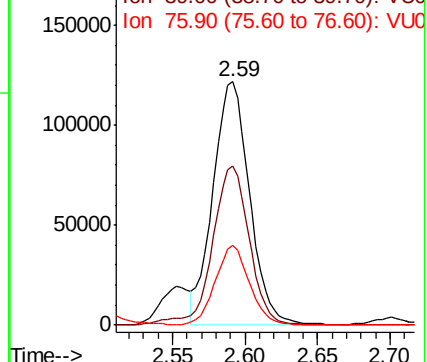
41 100

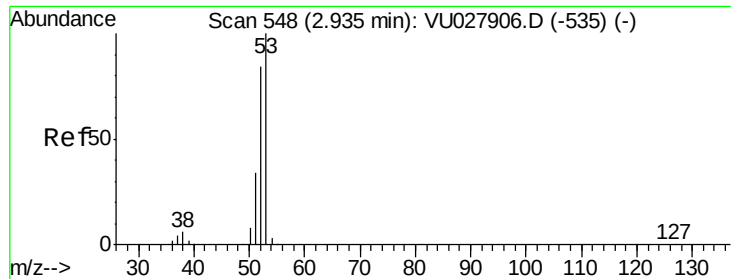
39 66.1 51.9 77.9

76 30.5 23.8 35.6



Abundance Ion 41.00 (40.70 to 41.70): VU027906.D (-433) (-)





#15

Acrylonitrile

Concen: 270.164 ug/l

RT: 2.93 min Scan# 547

Delta R.T. -0.00 min

Lab File: VU028081.D

Acq: 13 Nov 2018 10:37

Instrument :

MSVOA_U

ClientSampleId :

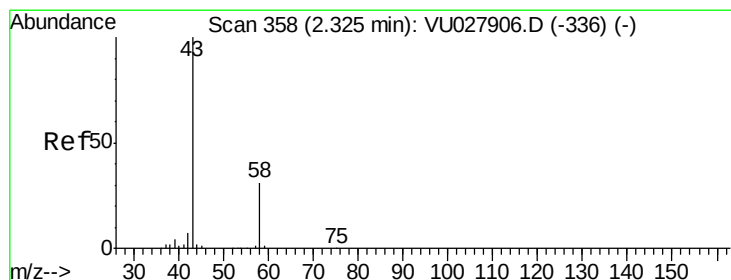
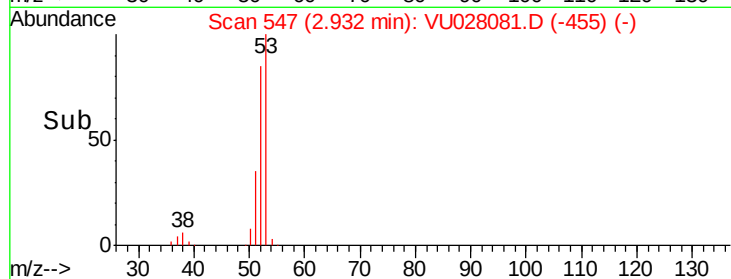
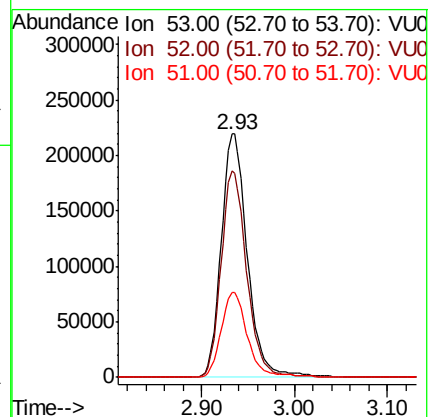
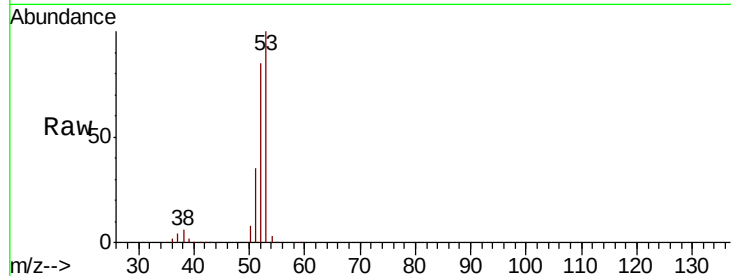
Tot Ion: 53 Resp: 428909

Ion Ratio Lower Upper

53 100

52 83.4 66.2 99.2

51 35.4 27.0 40.4



#16

Acetone

Concen: 281.827 ug/l

RT: 2.32 min Scan# 357

Delta R.T. -0.00 min

Lab File: VU028081.D

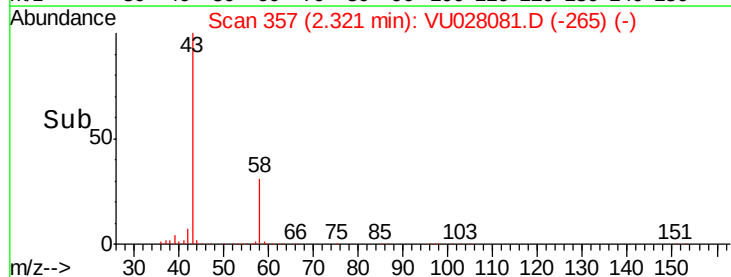
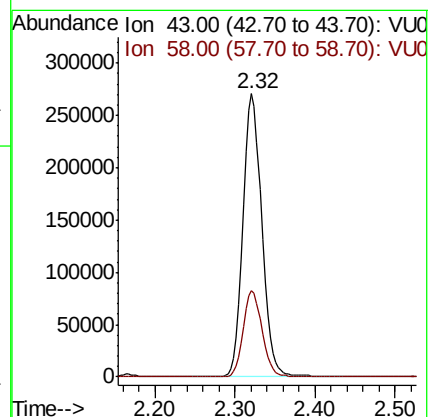
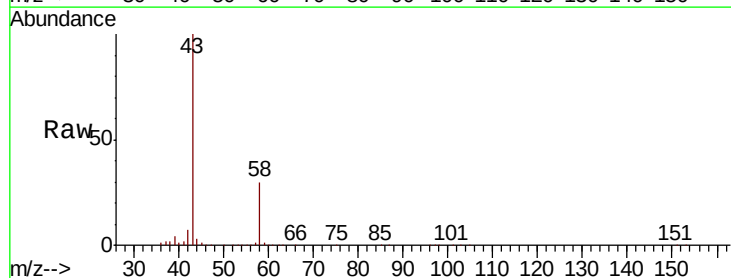
Acq: 13 Nov 2018 10:37

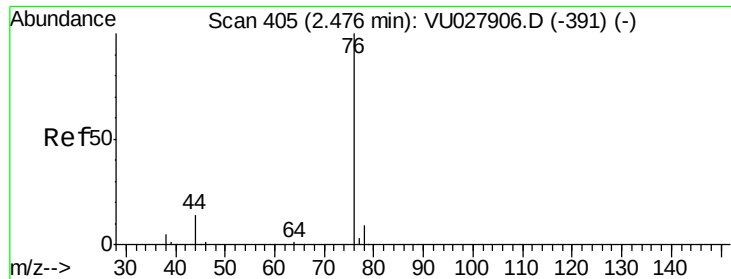
Tgt Ion: 43 Resp: 426882

Ion Ratio Lower Upper

43 100

58 30.4 24.6 37.0

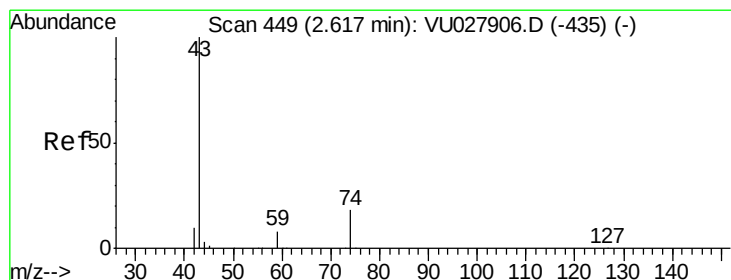
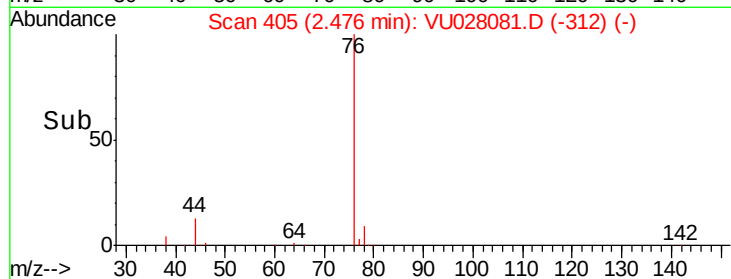
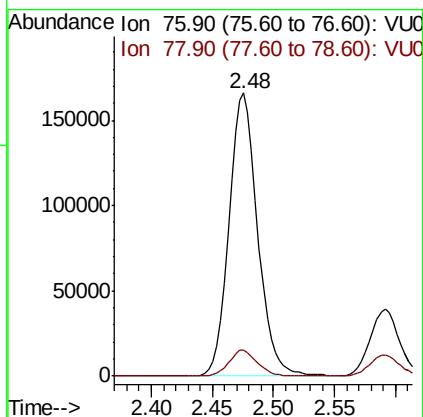
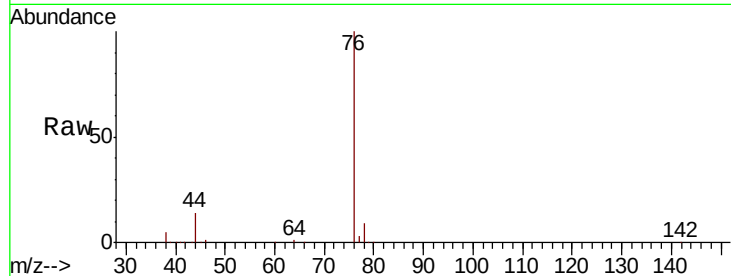




#17
Carbon Disulfide
Concen: 48.426 ug/l
RT: 2.48 min Scan# 405
Delta R.T. 0.00 min
Lab File: VU028081.D
Acq: 13 Nov 2018 10:37

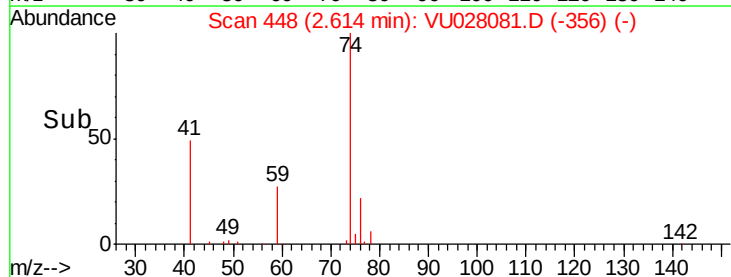
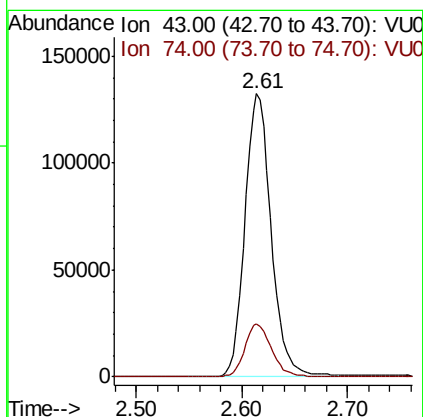
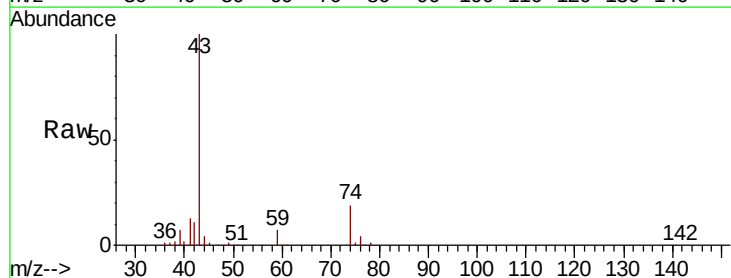
Instrument :
MSVOA_U
ClientSampleId :

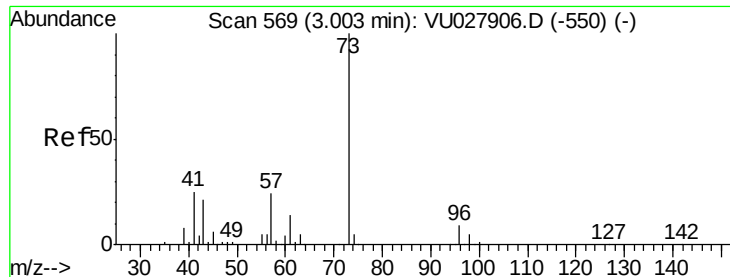
Tot Ion: 76 Resp: 272404
Ion Ratio Lower Upper
76 100
78 9.1 7.4 11.0



#18
Methyl Acetate
Concen: 54.926 ug/l
RT: 2.61 min Scan# 448
Delta R.T. -0.00 min
Lab File: VU028081.D
Acq: 13 Nov 2018 10:37

Tgt Ion: 43 Resp: 228861
Ion Ratio Lower Upper
43 100
74 19.2 14.9 22.3



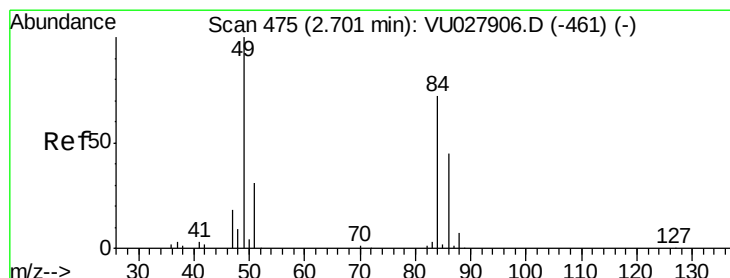
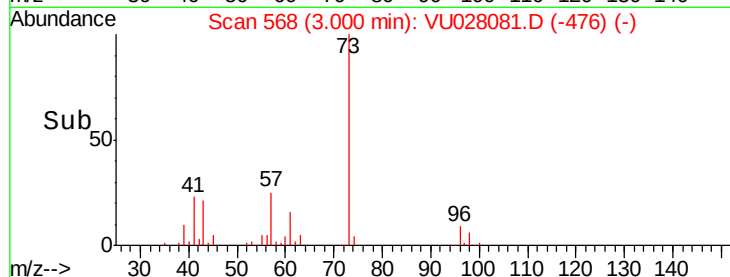
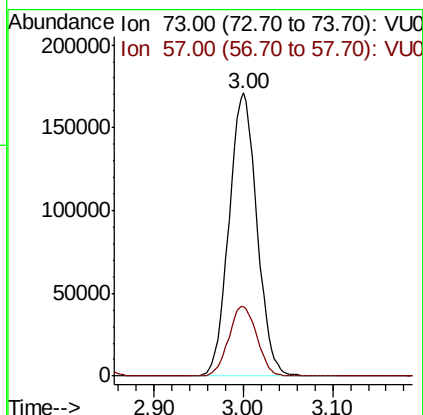
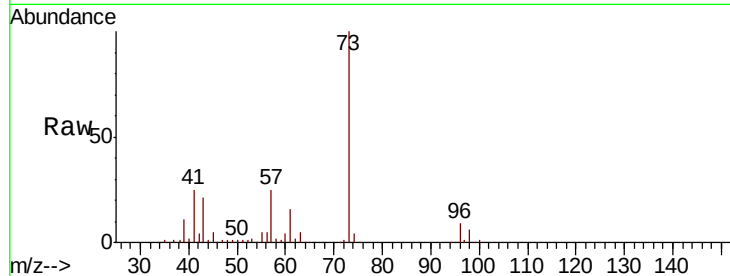


#19

Methyl tert-butyl Ether
 Concen: 53.437 ug/l
 RT: 3.00 min Scan# 568
 Delta R.T. -0.00 min
 Lab File: VU028081.D
 Acq: 13 Nov 2018 10:37

Instrument :
 MSVOA_U
 ClientSampled :

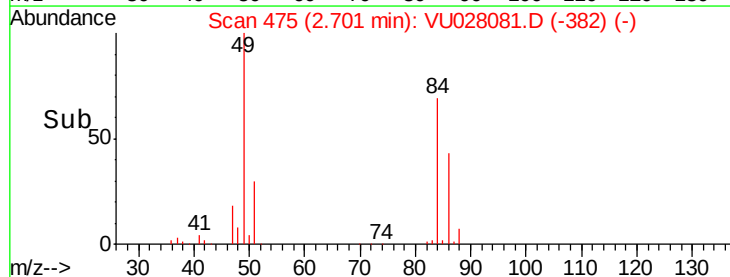
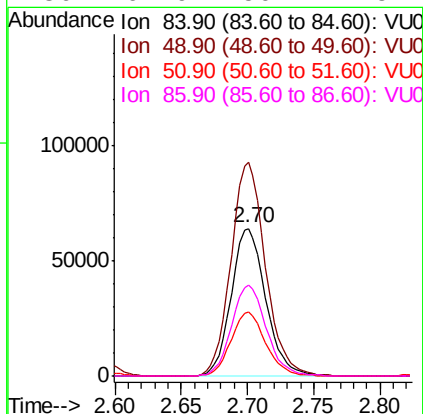
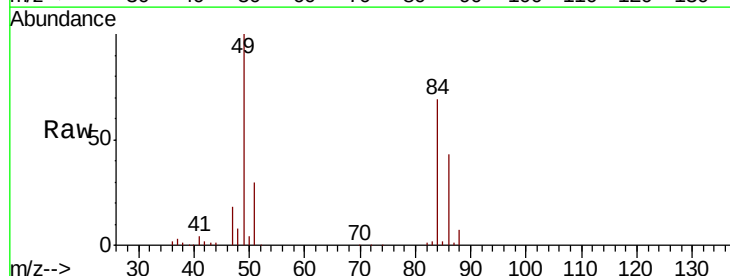
Tot Ion: 73 Resp: 370860
 Ion Ratio Lower Upper
 73 100
 57 24.7 19.3 28.9

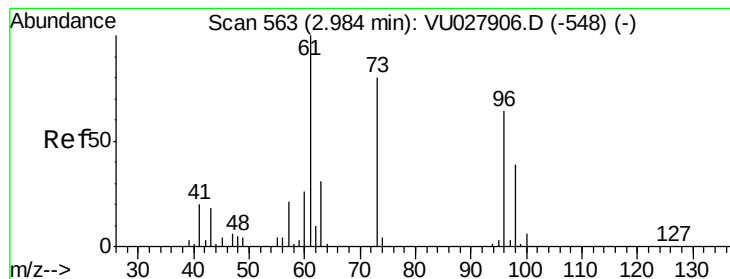


#20

Methylene Chloride
 Concen: 52.488 ug/l
 RT: 2.70 min Scan# 475
 Delta R.T. 0.00 min
 Lab File: VU028081.D
 Acq: 13 Nov 2018 10:37

Tgt Ion: 84 Resp: 116080
 Ion Ratio Lower Upper
 84 100
 49 145.0 111.6 167.4
 51 43.2 34.8 52.2
 86 61.9 50.1 75.1





#21

trans-1,2-Dichloroethene

Concen: 49.841 ug/l

RT: 2.98 min Scan# 562

Delta R.T. -0.00 min

Lab File: VU028081.D

Acq: 13 Nov 2018 10:37

Instrument :

MSVOA_U

ClientSampleId :

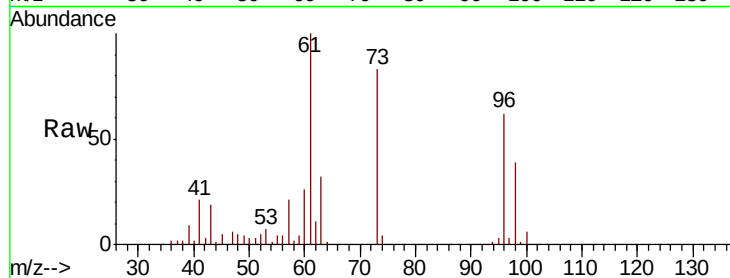
Tot Ion: 96 Resp: 98987

Ion Ratio Lower Upper

96 100

61 160.3 125.0 187.6

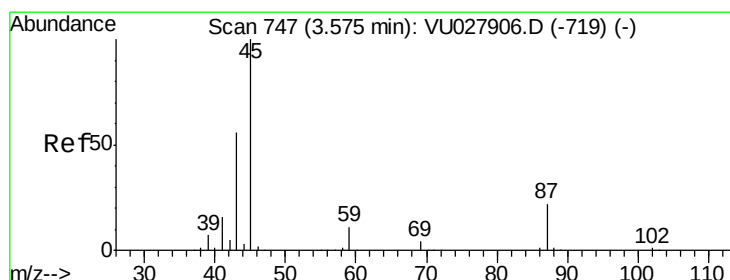
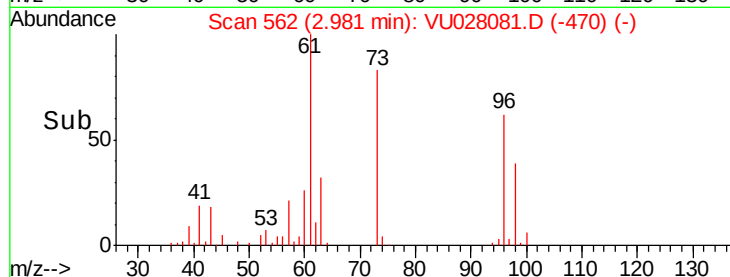
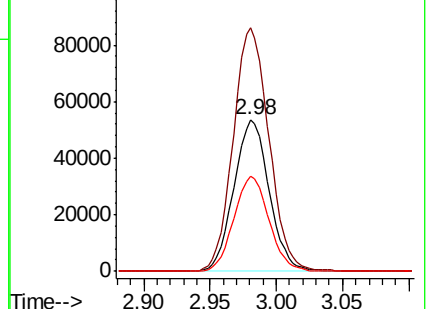
98 62.7 48.2 72.4



Abundance Ion 95.90 (95.60 to 96.60): VU027906.D (-548) (-)

Ion 60.90 (60.60 to 61.60): VU027906.D (-548) (-)

Ion 97.90 (97.60 to 98.60): VU027906.D (-548) (-)



#22

Diisopropyl ether

Concen: 53.570 ug/l

RT: 3.57 min Scan# 746

Delta R.T. -0.00 min

Lab File: VU028081.D

Acq: 13 Nov 2018 10:37

Tgt Ion: 45 Resp: 465182

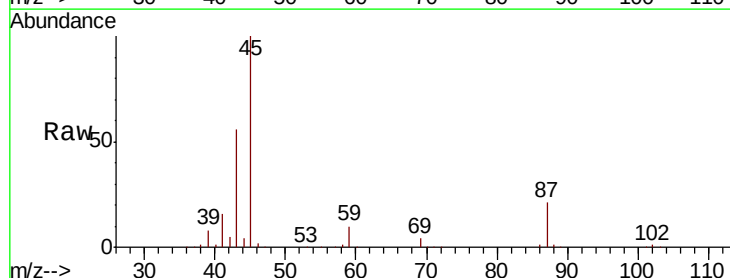
Ion Ratio Lower Upper

45 100

43 55.4 45.0 67.6

87 21.5 17.9 26.9

59 10.4 8.6 12.8

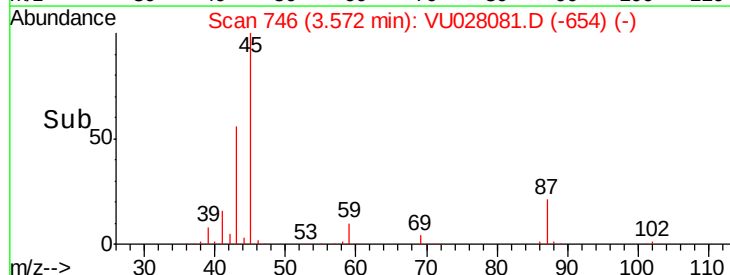
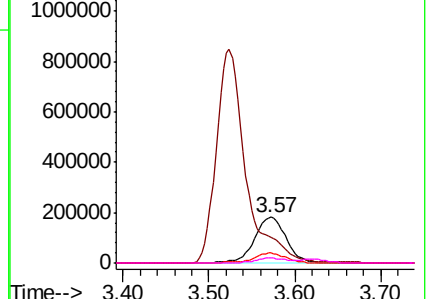


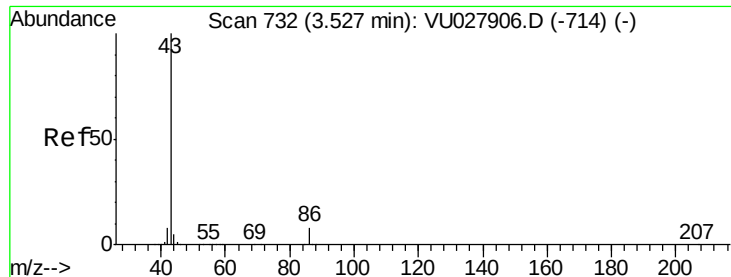
Abundance Ion 45.00 (44.70 to 45.70): VU027906.D (-719) (-)

Ion 43.00 (42.70 to 43.70): VU027906.D (-719) (-)

Ion 87.00 (86.70 to 87.70): VU027906.D (-719) (-)

Ion 59.00 (58.70 to 59.70): VU027906.D (-719) (-)





#23

Vinyl Acetate

Concen: 272.042 ug/l

RT: 3.52 min Scan# 731

Delta R.T. -0.00 min

Lab File: VU028081.D

Acq: 13 Nov 2018 10:37

Instrument :

MSVOA_U

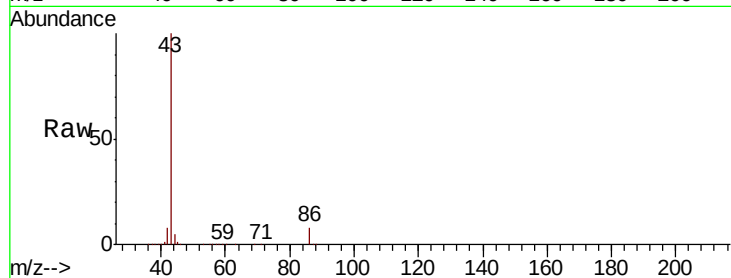
ClientSampleId :

Tot Ion: 43 Resp: 2030247

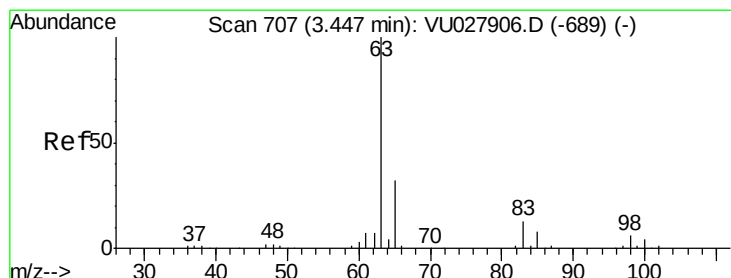
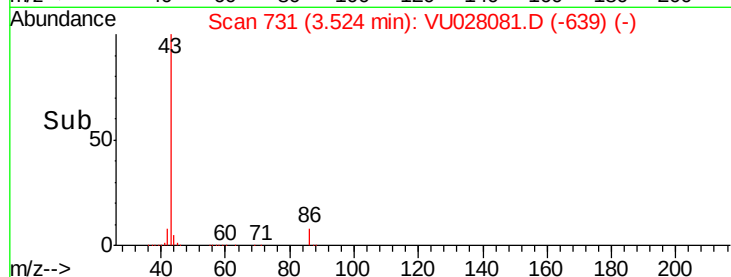
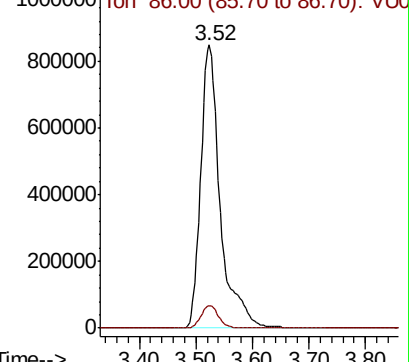
Ion Ratio Lower Upper

43 100

86 8.0 6.6 9.8



Abundance Ion 43.00 (42.70 to 43.70): VU028081.D (-639) (-)



#24

1,1-Dichloroethane

Concen: 52.596 ug/l

RT: 3.44 min Scan# 706

Delta R.T. -0.00 min

Lab File: VU028081.D

Acq: 13 Nov 2018 10:37

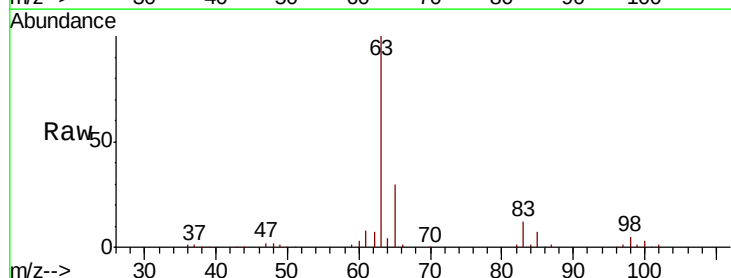
Tgt Ion: 63 Resp: 227494

Ion Ratio Lower Upper

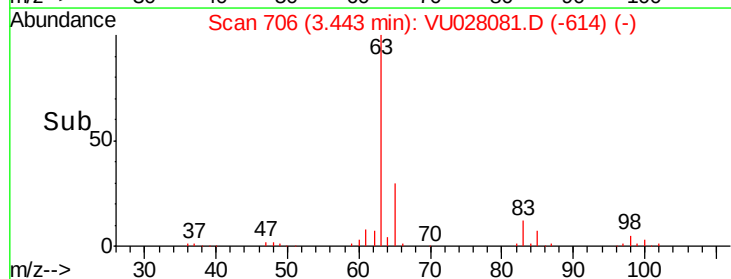
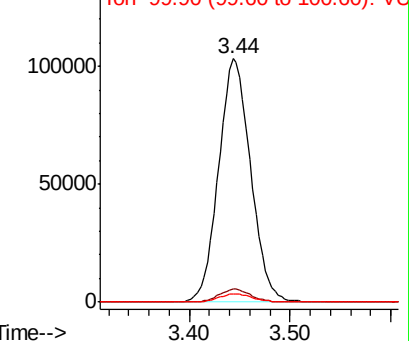
63 100

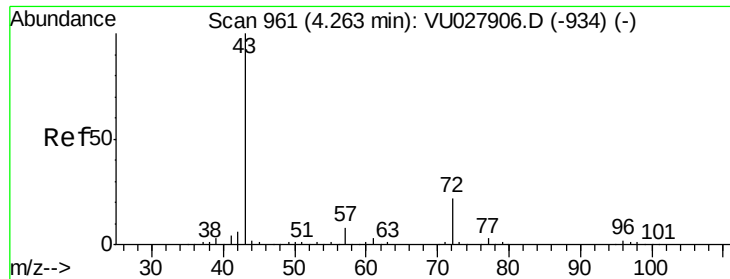
98 5.3 2.9 8.6

100 3.2 2.0 6.0



Abundance Ion 62.90 (62.60 to 63.60): VU028081.D (-614) (-)





#25

2-Butanone

Concen: 275.249 ug/l

RT: 4.26 min Scan# 960

Delta R.T. -0.00 min

Lab File: VU028081.D

Acq: 13 Nov 2018 10:37

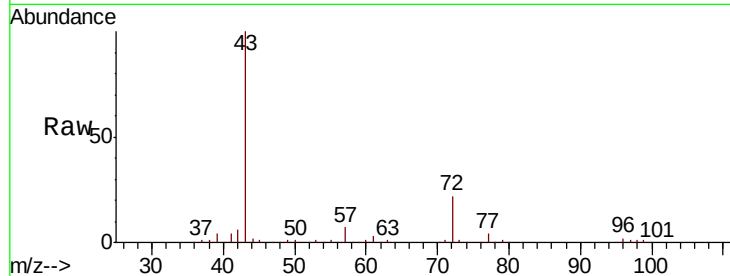
Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 43 Resp: 663277

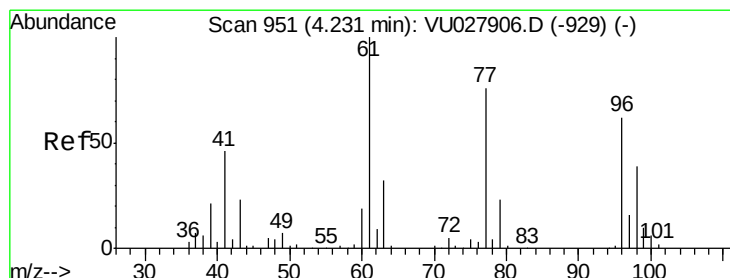
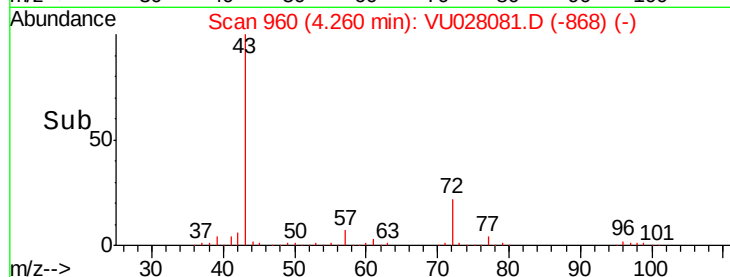
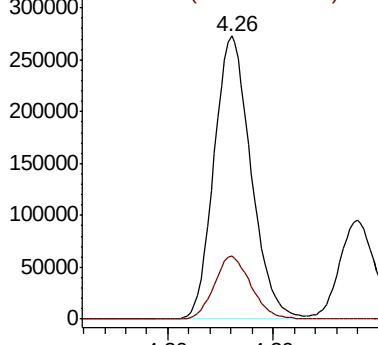
Ion Ratio Lower Upper

43 100

72 22.2 17.7 26.5



Abundance Ion 43.00 (42.70 to 43.70): VU0
Ion 72.00 (71.70 to 72.70): VU0



#26

2,2-Dichloropropane

Concen: 55.106 ug/l

RT: 4.22 min Scan# 949

Delta R.T. -0.01 min

Lab File: VU028081.D

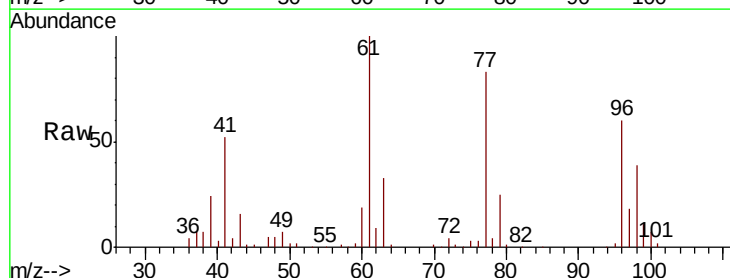
Acq: 13 Nov 2018 10:37

Tgt Ion: 77 Resp: 178871

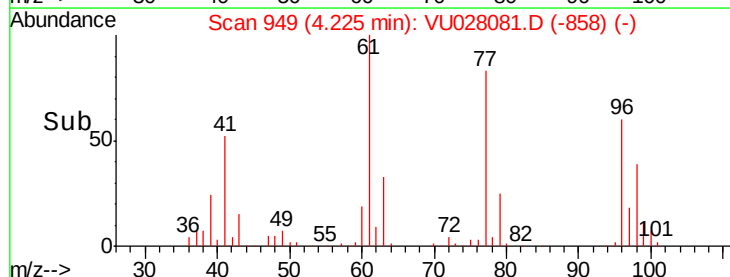
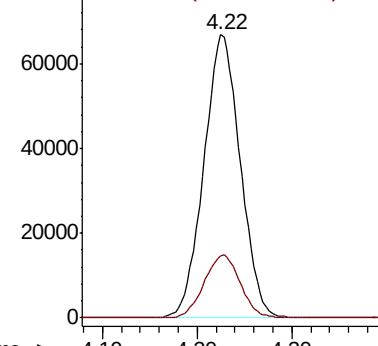
Ion Ratio Lower Upper

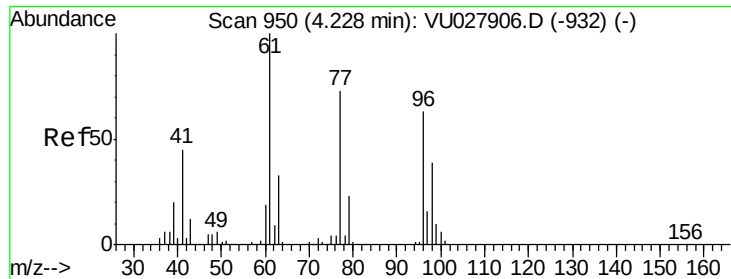
77 100

97 22.0 11.2 33.5



Abundance Ion 76.90 (76.60 to 77.60): VU0
Ion 96.90 (96.60 to 97.60): VU0



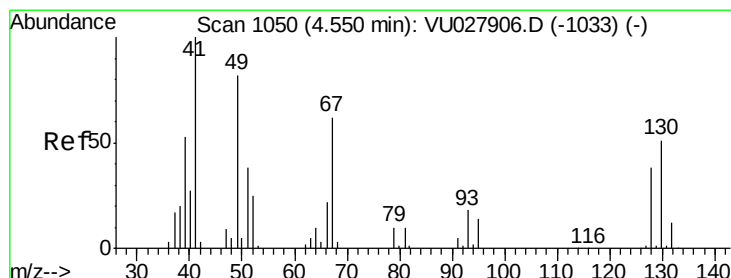
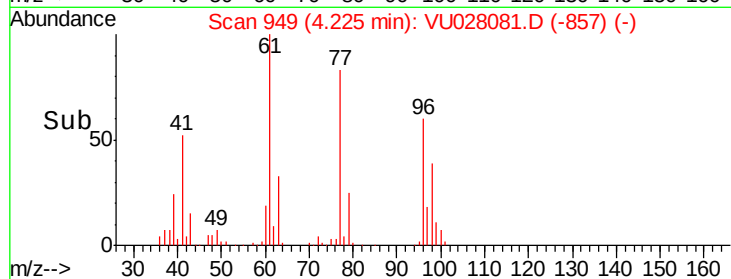
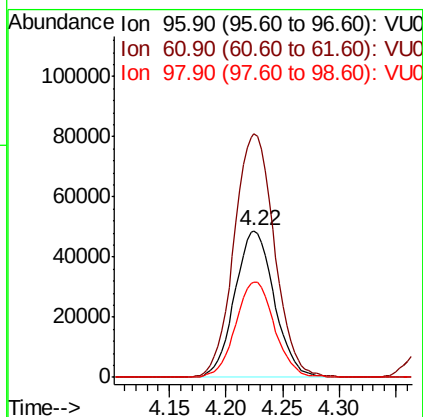
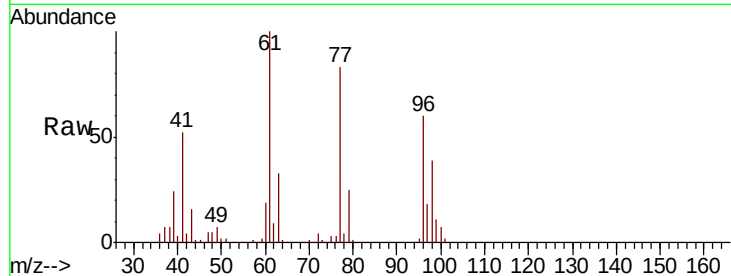


#27

cis-1,2-Dichloroethene
Concen: 53.133 ug/l
RT: 4.22 min Scan# 949
Delta R.T. -0.00 min
Lab File: VU028081.D
Acq: 13 Nov 2018 10:37

Instrument :
MSVOA_U
ClientSampleId :

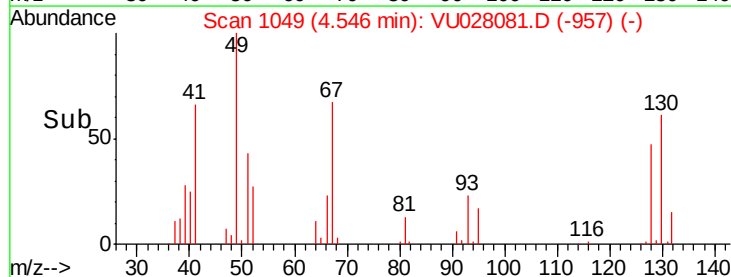
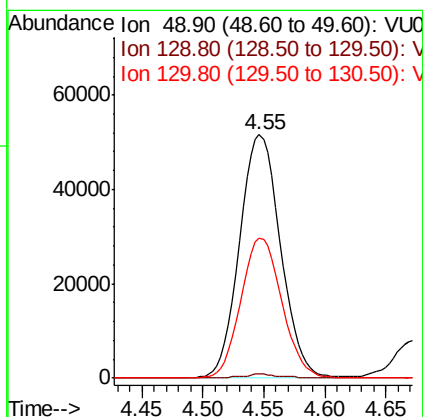
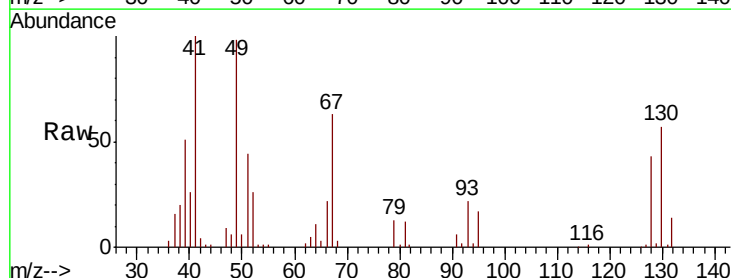
Tot Ion	Ratio	Lower	Upper
96	100		
61	169.9	0.0	329.6
98	64.0	0.0	127.2

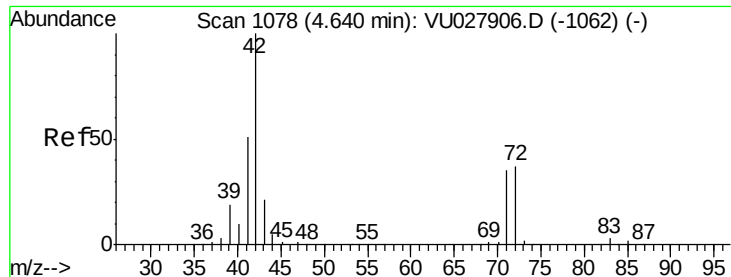


#28

Bromochloromethane
Concen: 59.067 ug/l
RT: 4.55 min Scan# 1049
Delta R.T. -0.00 min
Lab File: VU028081.D
Acq: 13 Nov 2018 10:37

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.4	0.0	3.0
130	57.7	47.8	71.6





#29

Tetrahydrofuran

Concen: 255.828 ug/l

RT: 4.64 min Scan# 1077

Delta R.T. -0.00 min

Lab File: VU028081.D

Acq: 13 Nov 2018 10:37

Instrument :

MSVOA_U

ClientSampleId :

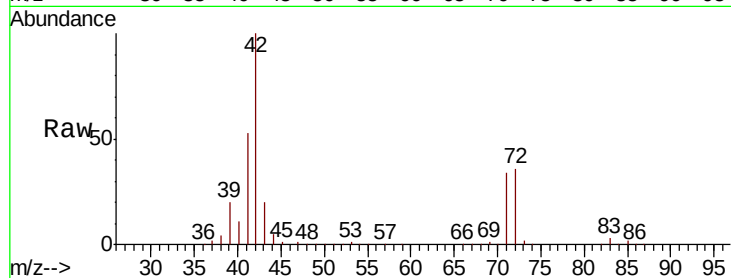
Tot Ion: 42 Resp: 411648

Ion Ratio Lower Upper

42 100

72 36.9 29.4 44.0

71 34.8 27.9 41.9

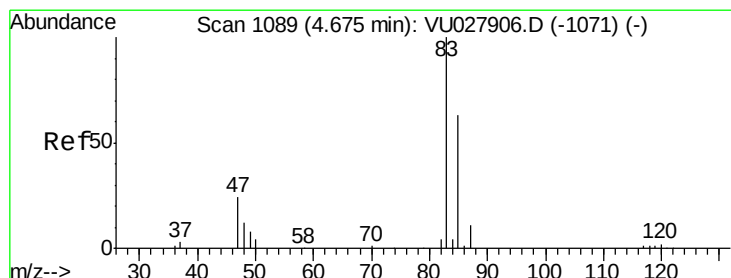
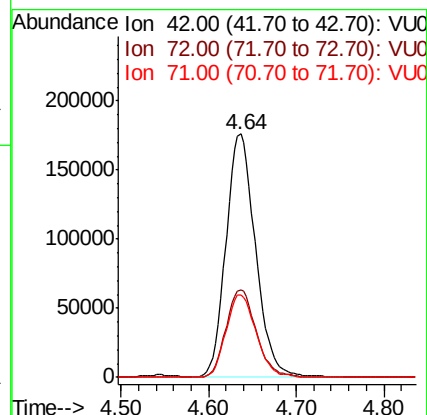
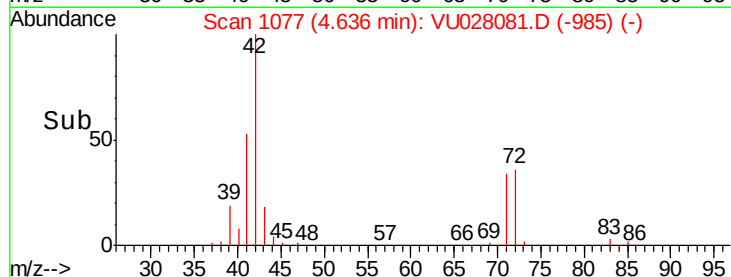


Abundance Ion 42.00 (41.70 to 42.70): VU027906.D (-1062) (-)

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

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

Time-->



#30

Chloroform

Concen: 52.364 ug/l

RT: 4.67 min Scan# 1088

Delta R.T. -0.00 min

Lab File: VU028081.D

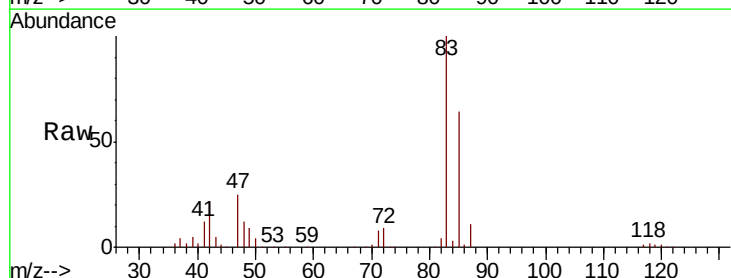
Acq: 13 Nov 2018 10:37

Tgt Ion: 83 Resp: 207672

Ion Ratio Lower Upper

83 100

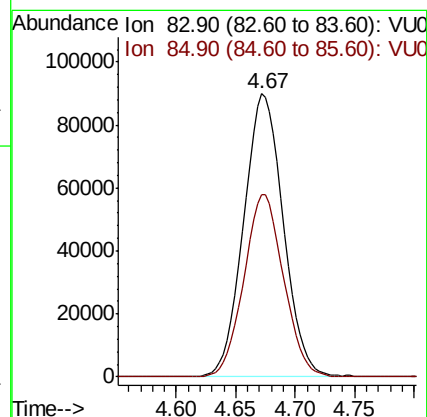
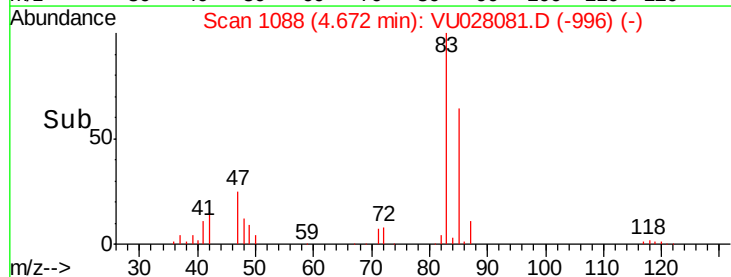
85 64.3 50.6 76.0

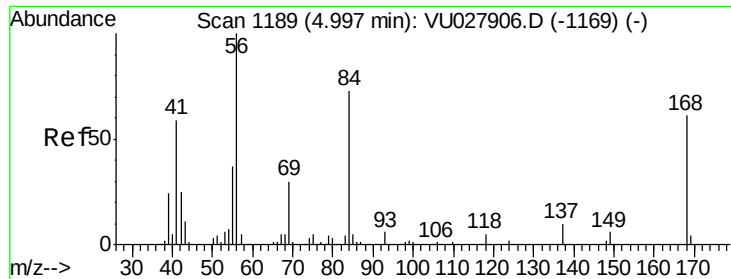


Abundance Ion 82.90 (82.60 to 83.60): VU027906.D (-1071) (-)

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

Time-->

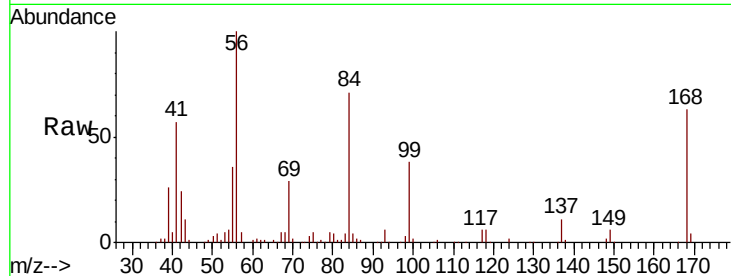




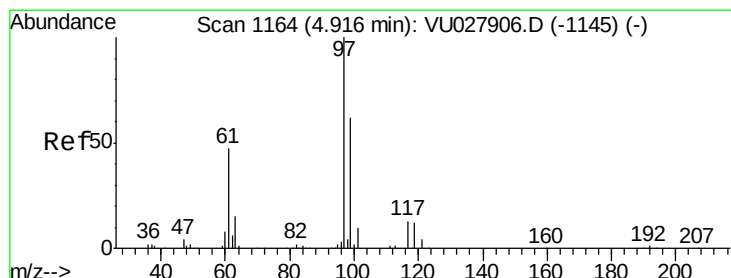
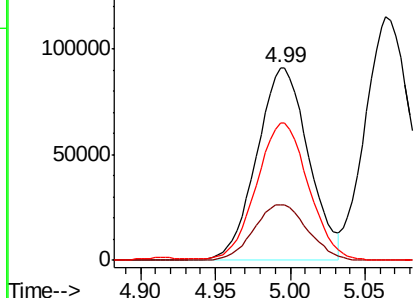
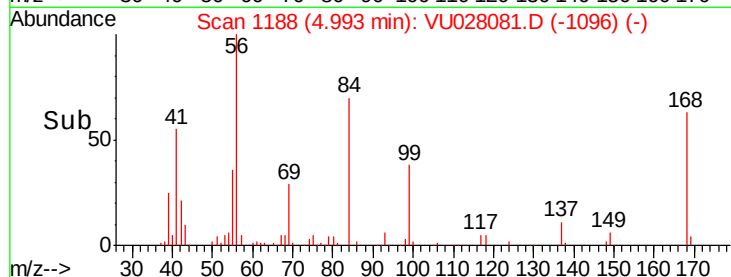
#31
Cyclohexane
Concen: 51.595 ug/l
RT: 4.99 min Scan# 1188
Delta R.T. -0.00 min
Lab File: VU028081.D
Acq: 13 Nov 2018 10:37

Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 56 Resp: 218769
Ion Ratio Lower Upper
56 100
69 29.0 23.7 35.5
84 70.4 58.2 87.4

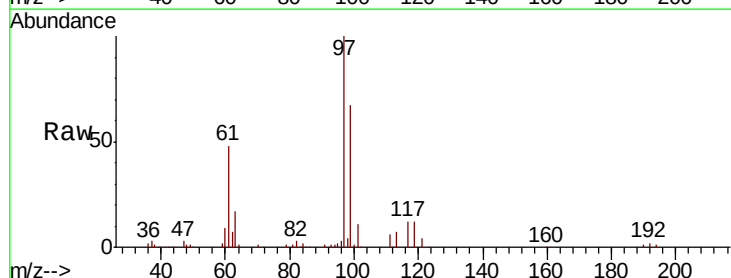


Abundance Ion 56.00 (55.70 to 56.70): VU0
Ion 69.00 (68.70 to 69.70): VU0
Ion 84.00 (83.70 to 84.70): VU0

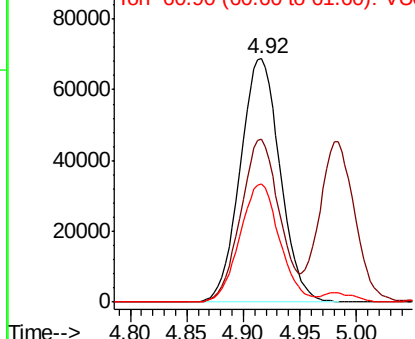
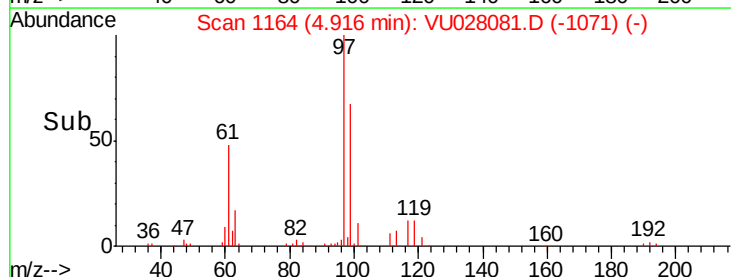


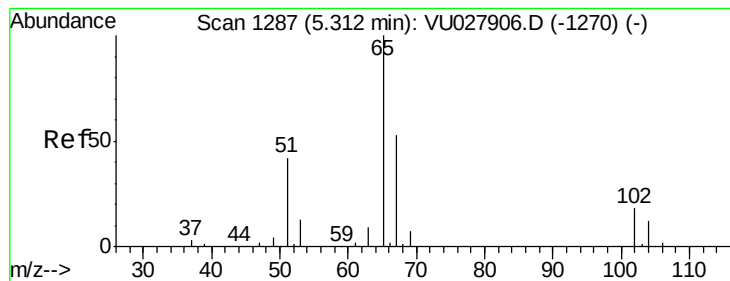
#32
1,1,1-Trichloroethane
Concen: 53.394 ug/l
RT: 4.92 min Scan# 1164
Delta R.T. 0.00 min
Lab File: VU028081.D
Acq: 13 Nov 2018 10:37

Tgt Ion: 97 Resp: 168561
Ion Ratio Lower Upper
97 100
99 65.5 50.5 75.7
61 48.8 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: 55.143 ug/l

RT: 5.31 min Scan# 1286

Delta R.T. -0.00 min

Lab File: VU028081.D

Acq: 13 Nov 2018 10:37

Instrument :

MSVOA_U

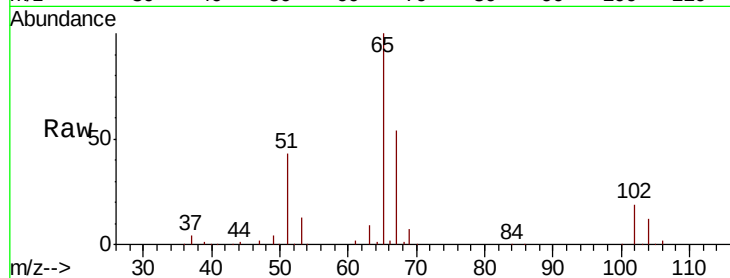
ClientSampleId :

Tot Ion: 65 Resp: 134623

Ion Ratio Lower Upper

65 100

67 54.5 0.0 109.0



Abundance Ion 64.90 (64.60 to 65.60): VU027906.D (-1270) (-)

Ion 66.90 (66.60 to 67.60): VU027906.D (-1270) (-)

5.31

60000

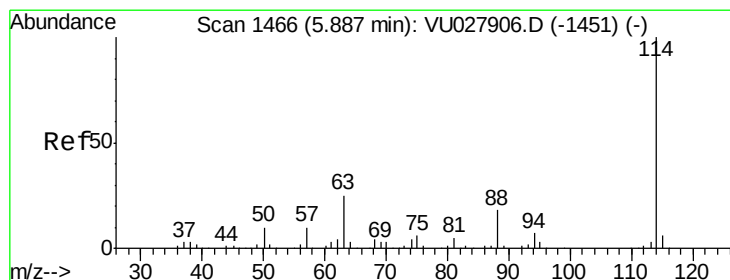
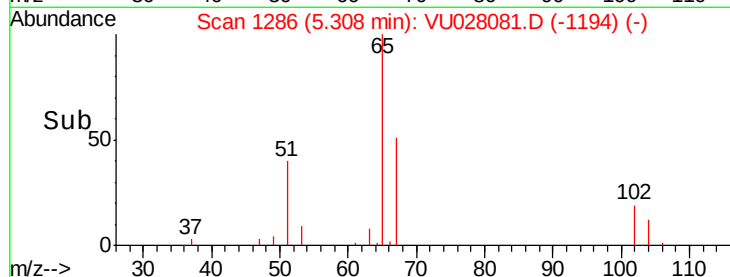
40000

20000

0

Time-->

5.25 5.30 5.35 5.40



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.89 min Scan# 1466

Delta R.T. 0.00 min

Lab File: VU028081.D

Acq: 13 Nov 2018 10:37

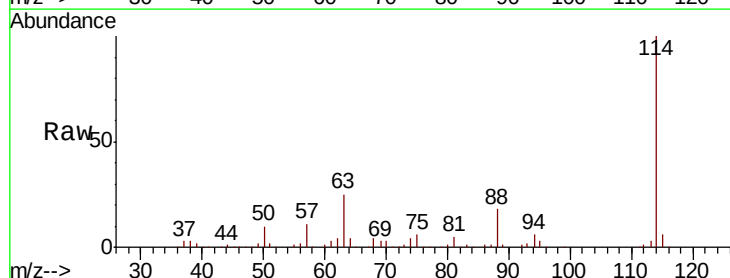
Tgt Ion: 114 Resp: 278100

Ion Ratio Lower Upper

114 100

63 24.9 0.0 50.8

88 17.6 0.0 35.8



Abundance Ion 113.90 (113.60 to 114.60): VU027906.D (-1451) (-)

Ion 63.00 (62.70 to 63.70): VU027906.D (-1451) (-)

Ion 87.90 (87.60 to 88.60): VU027906.D (-1451) (-)

5.89

150000

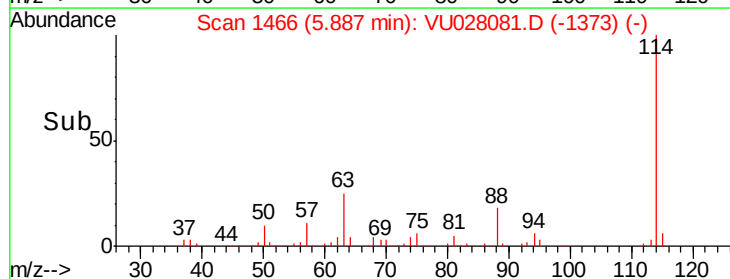
100000

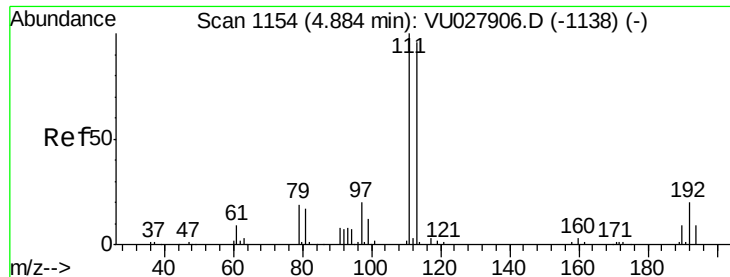
50000

0

Time-->

5.80 5.90 6.00

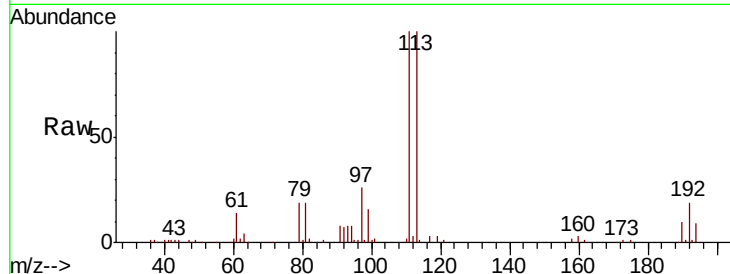




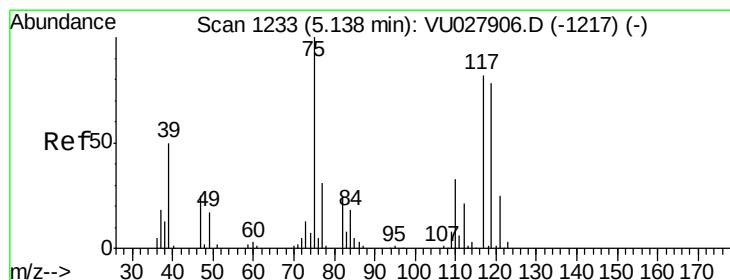
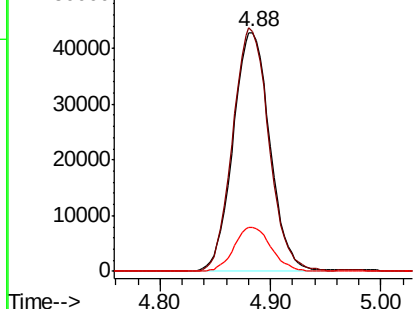
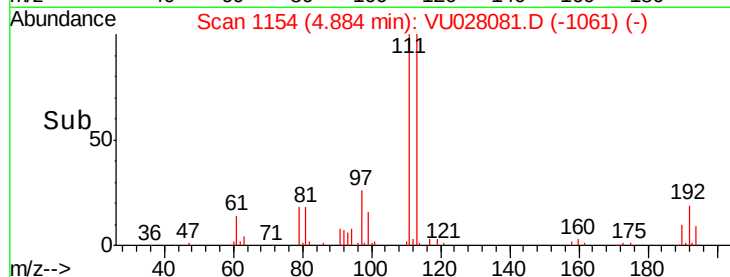
#35
 Dibromofluoromethane
 Concen: 56.662 ug/l
 RT: 4.88 min Scan# 1154
 Delta R.T. 0.00 min
 Lab File: VU028081.D
 Acq: 13 Nov 2018 10:37

Instrument :
 MSVOA_U
 ClientSampled :

Tot Ion:113 Resp: 99354
 Ion Ratio Lower Upper
 113 100
 111 100.1 83.0 124.6
 192 18.6 15.6 23.4

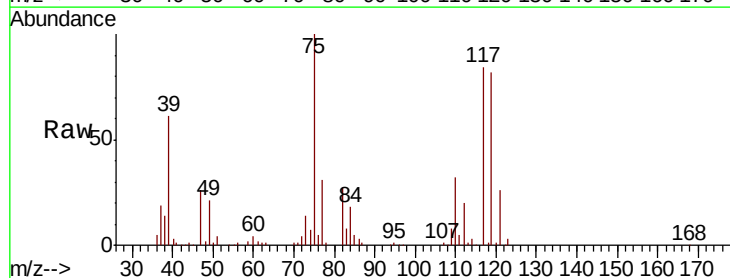


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

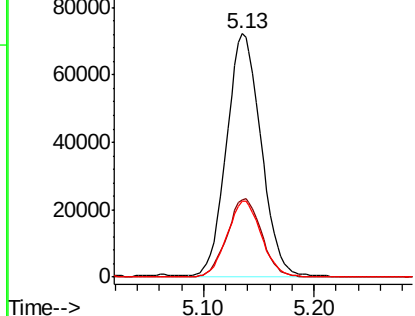
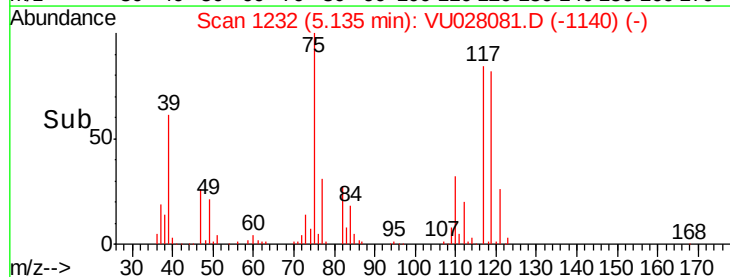


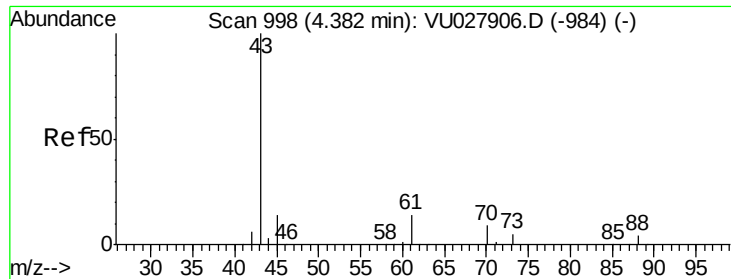
#36
 1,1-Dichloropropene
 Concen: 53.612 ug/l
 RT: 5.13 min Scan# 1232
 Delta R.T. -0.00 min
 Lab File: VU028081.D
 Acq: 13 Nov 2018 10:37

Tgt Ion: 75 Resp: 156152
 Ion Ratio Lower Upper
 75 100
 110 32.3 16.5 49.5
 77 31.3 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

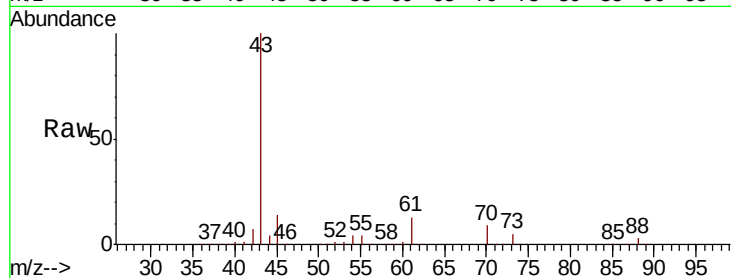




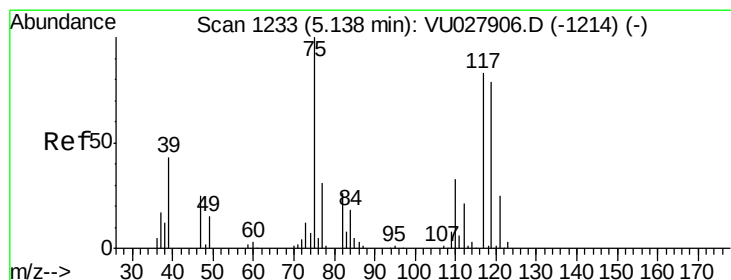
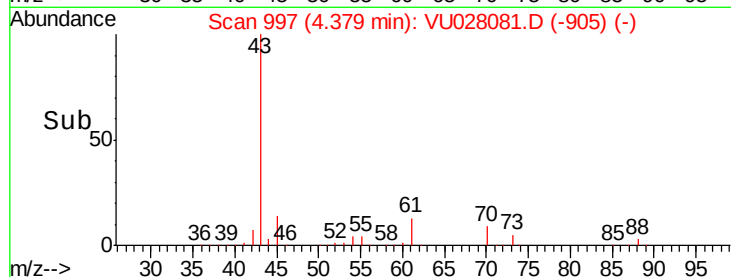
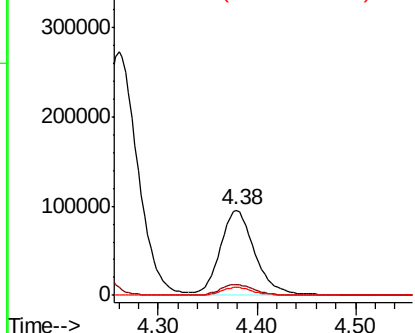
#37
Ethyl Acetate
Concen: 53.854 ug/l
RT: 4.38 min Scan# 997
Delta R.T. -0.00 min
Lab File: VU028081.D
Acq: 13 Nov 2018 10:37

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 43 Resp: 229833
Ion Ratio Lower Upper
43 100
61 13.1 10.3 15.5
70 9.0 7.0 10.6

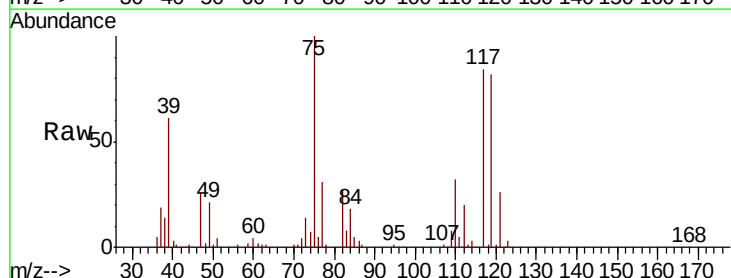


Abundance Ion 43.00 (42.70 to 43.70): VU0
Ion 60.90 (60.60 to 61.60): VU0
Ion 70.00 (69.70 to 70.70): VU0

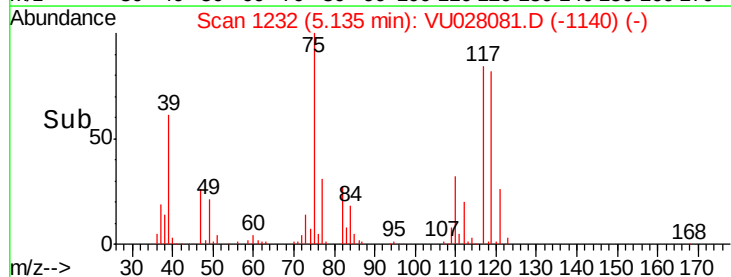
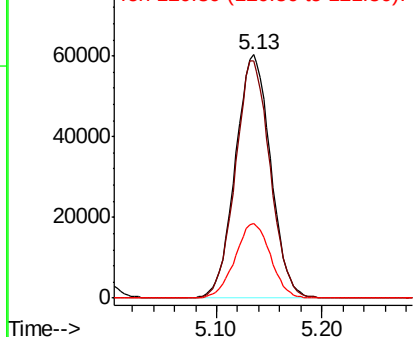


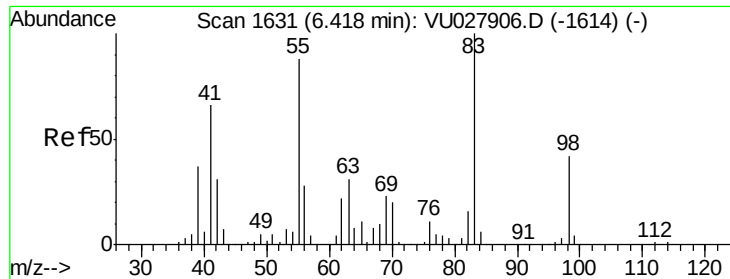
#38
Carbon Tetrachloride
Concen: 54.270 ug/l
RT: 5.13 min Scan# 1232
Delta R.T. -0.00 min
Lab File: VU028081.D
Acq: 13 Nov 2018 10:37

Tgt Ion: 117 Resp: 140081
Ion Ratio Lower Upper
117 100
119 97.7 76.0 114.0
121 30.6 24.5 36.7



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

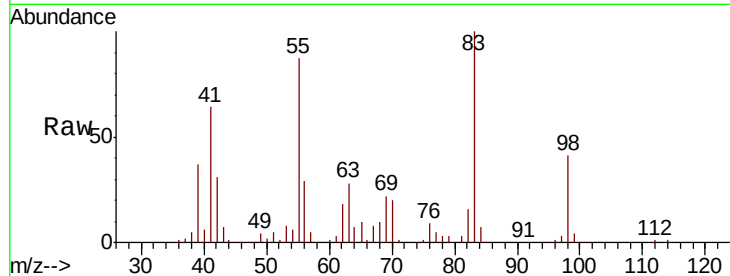




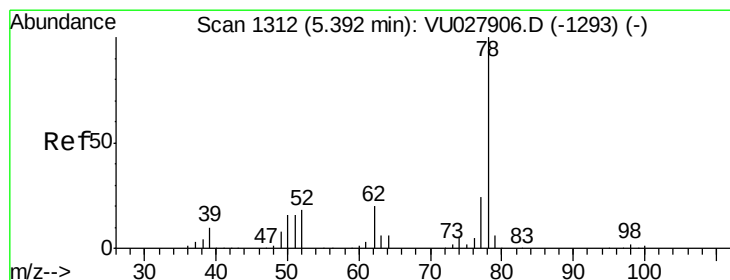
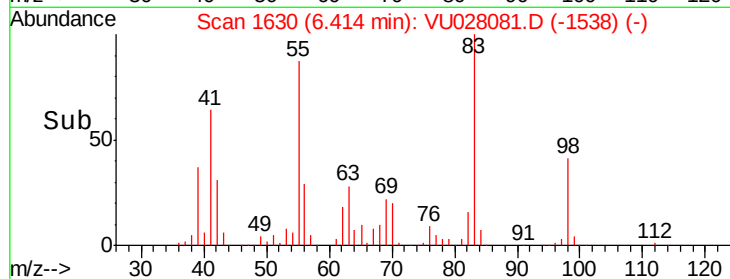
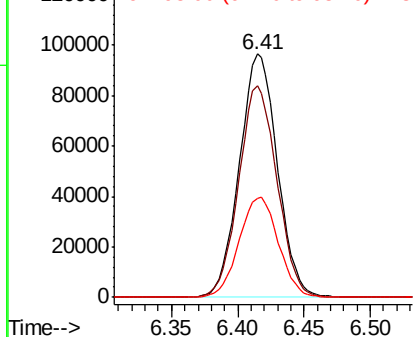
#39
Methylvlcyclohexane
Concen: 54.628 ug/l
RT: 6.41 min Scan# 1630
Delta R.T. -0.00 min
Lab File: VU028081.D
Acq: 13 Nov 2018 10:37

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 83 Resp: 191907
Ion Ratio Lower Upper
83 100
55 86.7 70.3 105.5
98 40.8 34.0 51.0

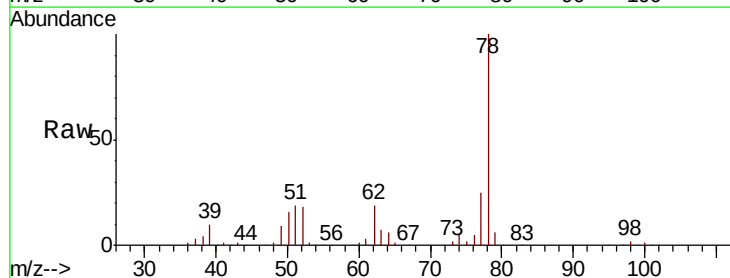


Abundance Ion 83.00 (82.70 to 83.70): VU0
Ion 55.00 (54.70 to 55.70): VU0
Ion 98.00 (97.70 to 98.70): VU0

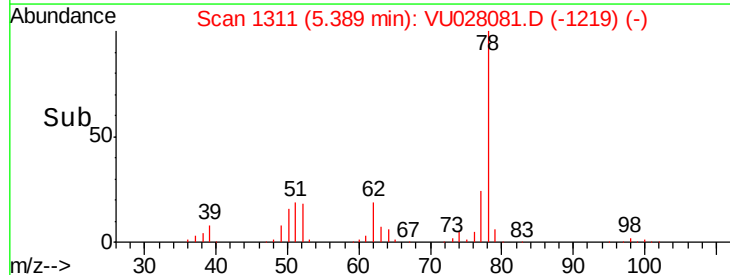
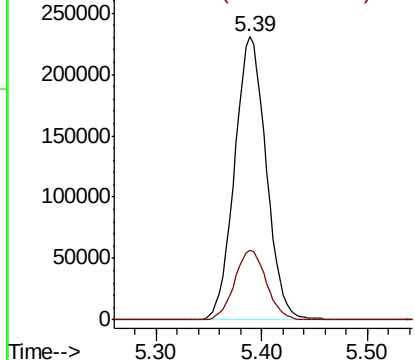


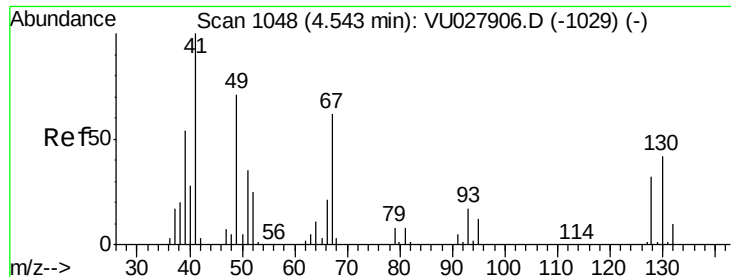
#40
Benzene
Concen: 53.875 ug/l
RT: 5.39 min Scan# 1311
Delta R.T. -0.00 min
Lab File: VU028081.D
Acq: 13 Nov 2018 10:37

Tgt Ion: 78 Resp: 479757
Ion Ratio Lower Upper
78 100
77 24.6 19.3 28.9



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

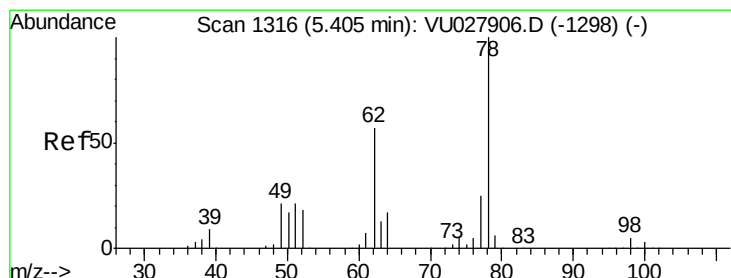
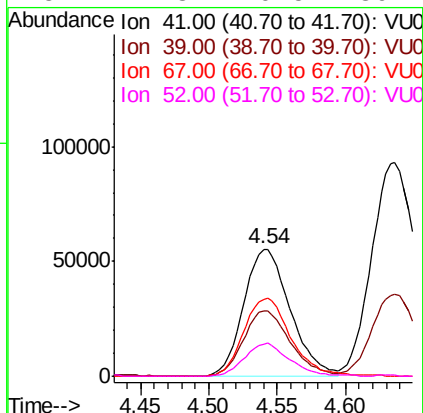
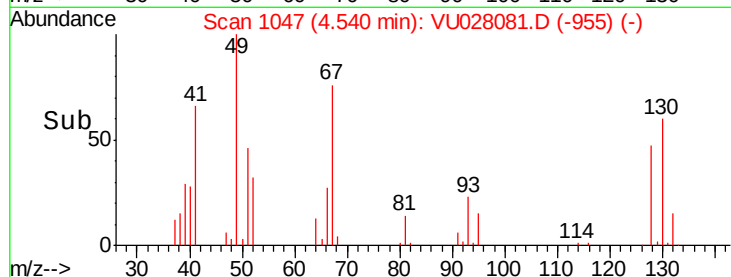
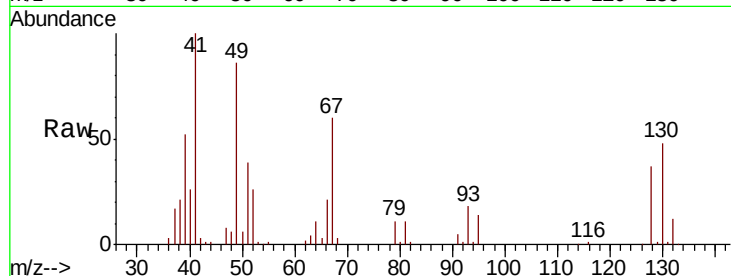




#41
Methacrylonitrile
Concen: 57.126 ug/l
RT: 4.54 min Scan# 1047
Delta R.T. -0.00 min
Lab File: VU028081.D
Acq: 13 Nov 2018 10:37

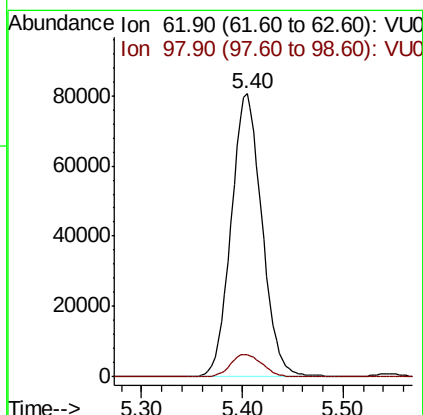
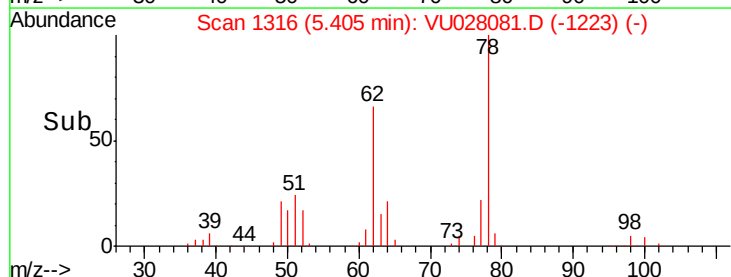
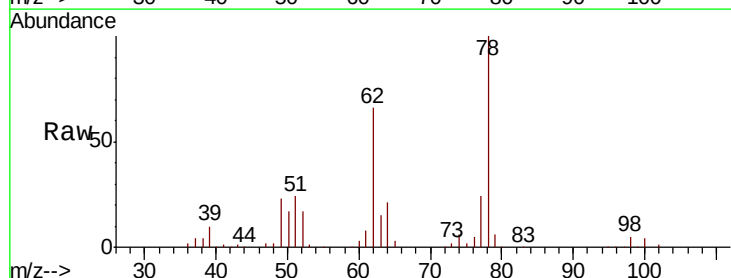
Instrument :
MSVOA_U
ClientSampled :

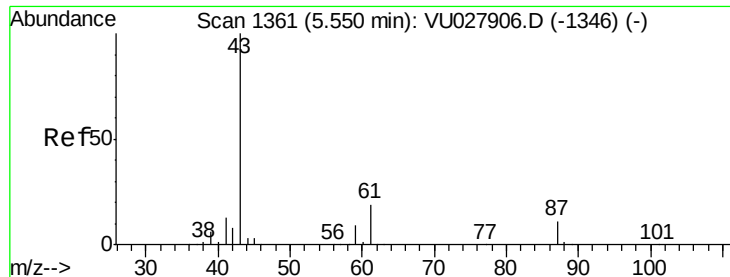
Tot Ion	Ratio	Lower	Upper
41	100		
39	52.4	42.2	63.4
67	62.5	49.5	74.3
52	24.8	20.5	30.7



#42
1,2-Dichloroethane
Concen: 54.005 ug/l
RT: 5.40 min Scan# 1316
Delta R.T. 0.00 min
Lab File: VU028081.D
Acq: 13 Nov 2018 10:37

Tgt Ion	Ratio	Lower	Upper
62	100		
98	8.1	0.0	17.2





#43

Isopropyl Acetate

Concen: 55.309 ug/l

RT: 5.55 min Scan# 1361

Delta R.T. -0.00 min

Lab File: VU028081.D

Acq: 13 Nov 2018 10:37

Instrument :

MSVOA_U

ClientSampleId :

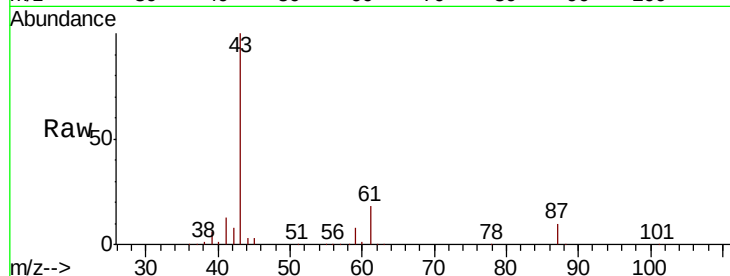
Tot Ion: 43 Resp: 369808

Ion Ratio Lower Upper

43 100

61 18.1 15.0 22.4

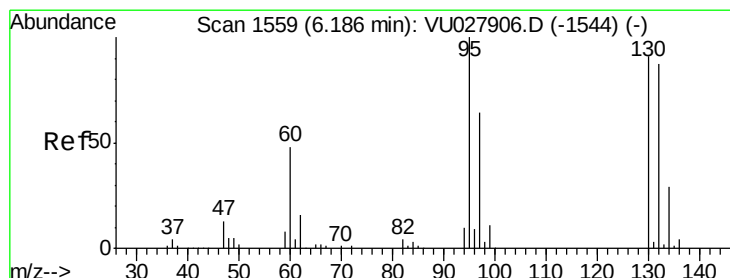
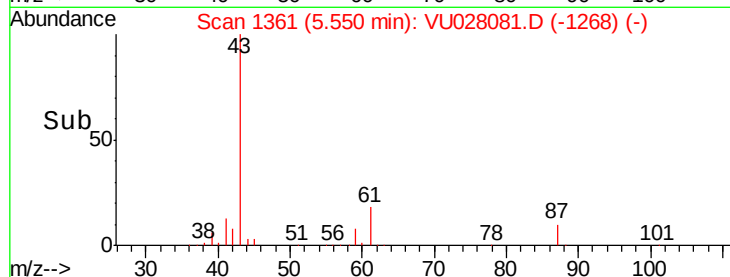
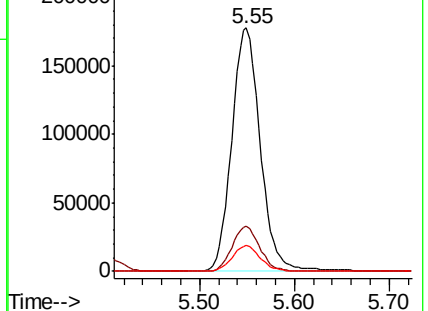
87 10.4 8.6 12.8



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: 54.959 ug/l

RT: 6.19 min Scan# 1559

Delta R.T. 0.00 min

Lab File: VU028081.D

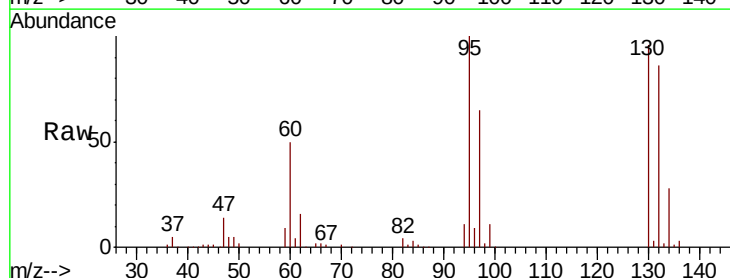
Acq: 13 Nov 2018 10:37

Tgt Ion:130 Resp: 105200

Ion Ratio Lower Upper

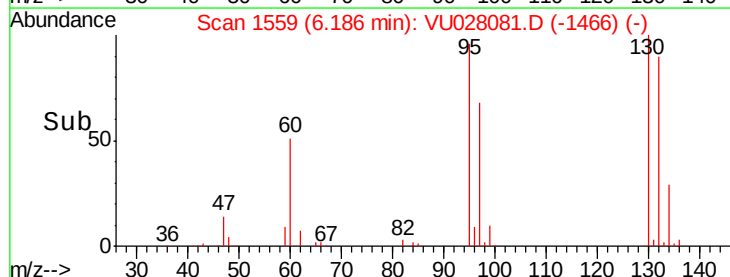
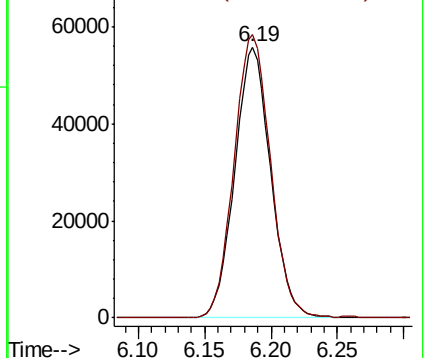
130 100

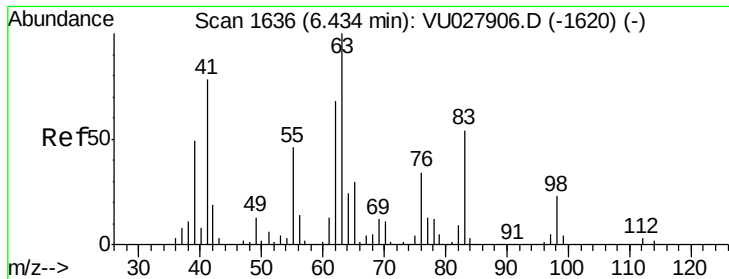
95 104.6 0.0 219.2



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: 54.783 ug/l

RT: 6.43 min Scan# 1636

Delta R.T. 0.00 min

Lab File: VU028081.D

Acq: 13 Nov 2018 10:37

Instrument :

MSVOA_U

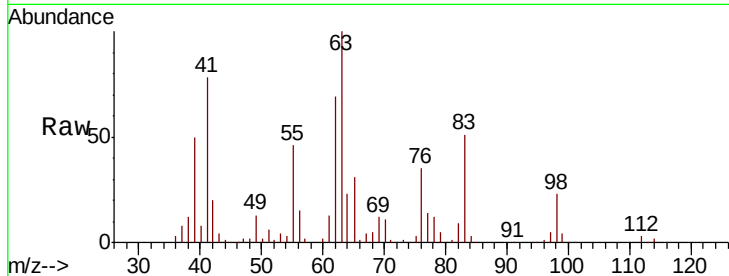
ClientSampleId :

Tot Ion: 63 Resp: 140692

Ion Ratio Lower Upper

63 100

65 30.7 24.4 36.6



Abundance Ion 62.90 (62.60 to 63.60): VU0

Ion 64.90 (64.60 to 65.60): VU0

6.43

80000

60000

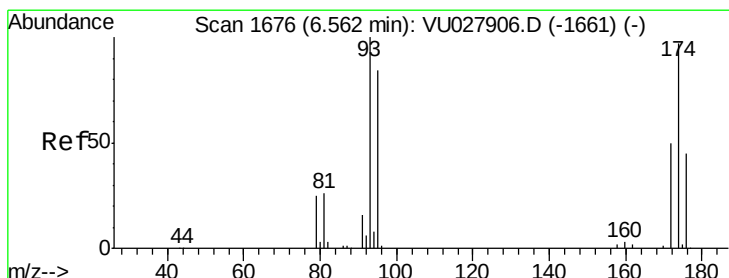
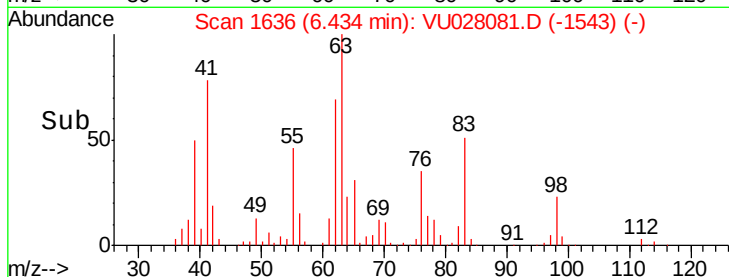
40000

20000

0

6.40 6.50

Time-->



#46

Dibromomethane

Concen: 56.141 ug/l

RT: 6.56 min Scan# 1675

Delta R.T. -0.00 min

Lab File: VU028081.D

Acq: 13 Nov 2018 10:37

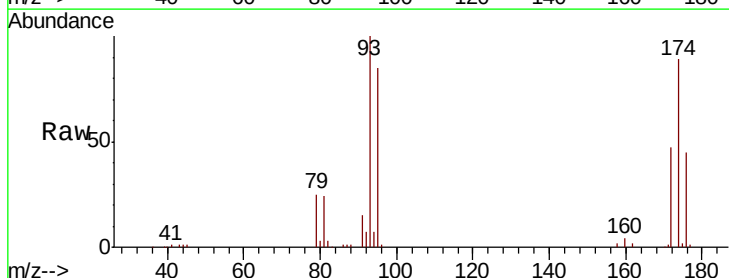
Tgt Ion: 93 Resp: 82875

Ion Ratio Lower Upper

93 100

95 81.5 68.5 102.7

174 88.6 76.1 114.1



Abundance Ion 92.80 (92.50 to 93.50): VU0

Ion 94.80 (94.50 to 95.50): VU0

Ion 173.70 (173.40 to 174.40): V

6.56

50000

40000

30000

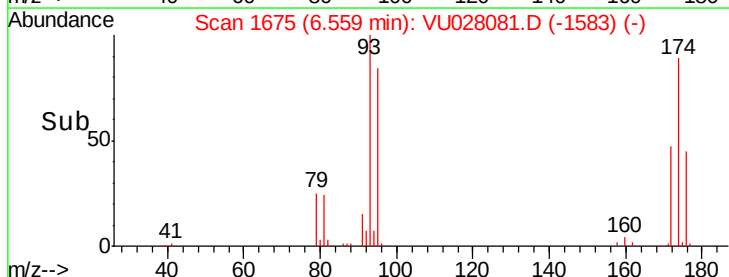
20000

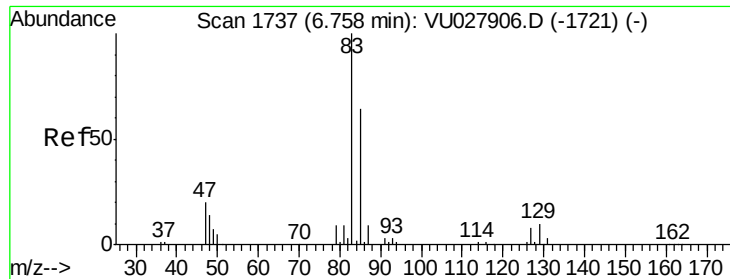
10000

0

6.50 6.55 6.60 6.65

Time-->

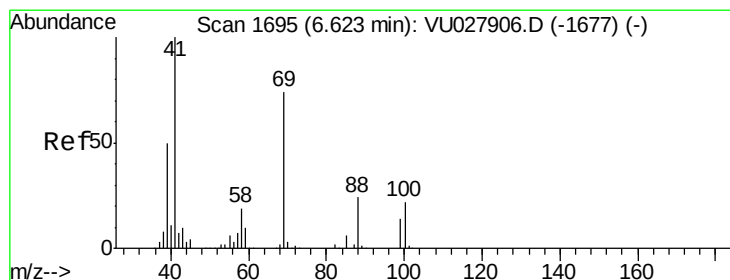
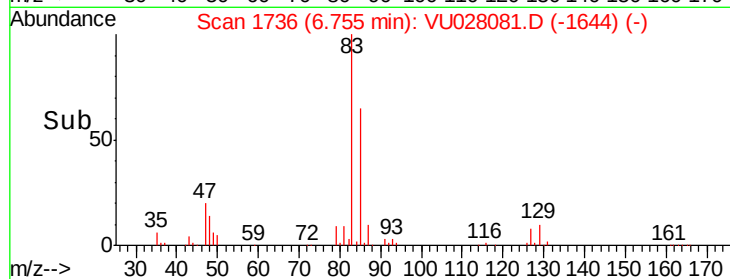
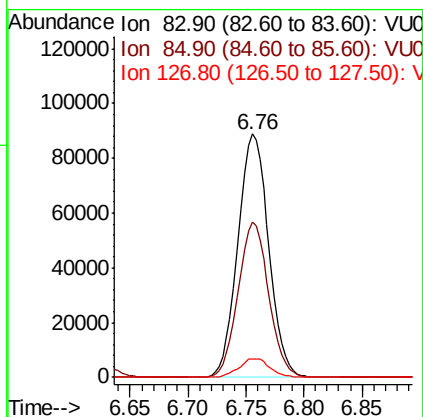
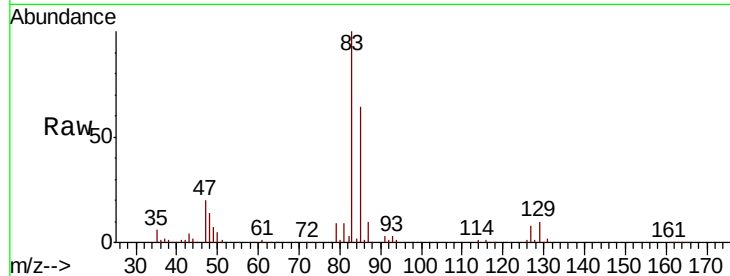




#47
Bromodichloromethane
Concen: 57.603 ug/l
RT: 6.76 min Scan# 1736
Delta R.T. -0.00 min
Lab File: VU028081.D
Acq: 13 Nov 2018 10:37

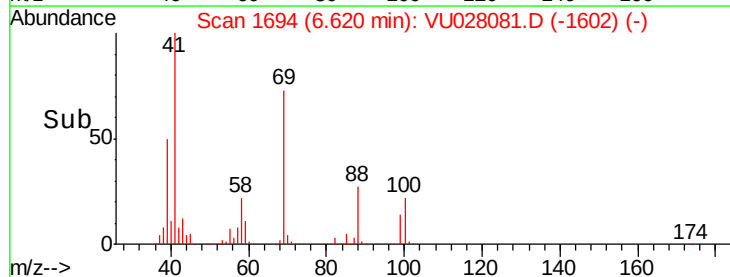
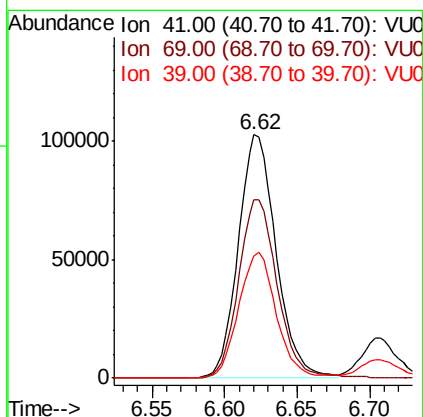
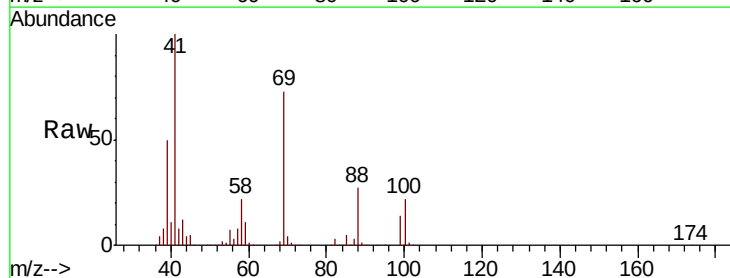
Instrument :
MSVOA_U
ClientSampleId :

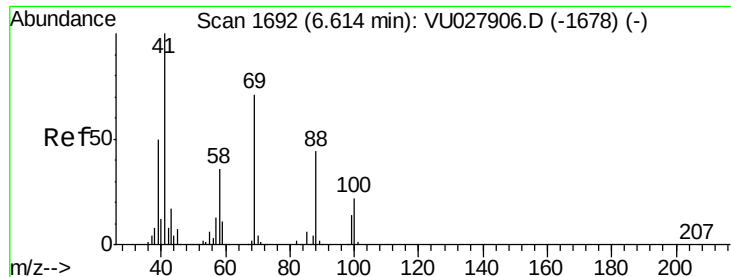
Tot Ion: 83 Resp: 163869
Ion Ratio Lower Upper
83 100
85 63.9 51.0 76.6
127 7.8 6.2 9.4



#48
Methyl methacrylate
Concen: 56.649 ug/l
RT: 6.62 min Scan# 1694
Delta R.T. -0.00 min
Lab File: VU028081.D
Acq: 13 Nov 2018 10:37

Tgt Ion: 41 Resp: 185612
Ion Ratio Lower Upper
41 100
69 75.5 59.8 89.8
39 51.5 40.0 60.0

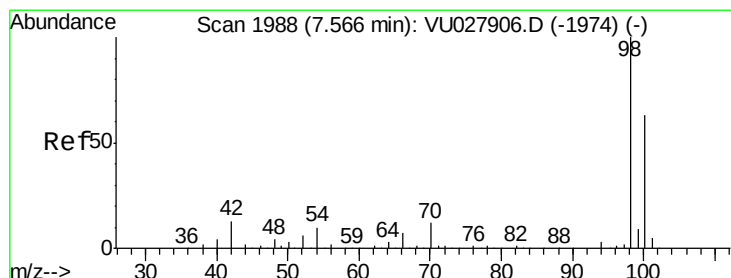
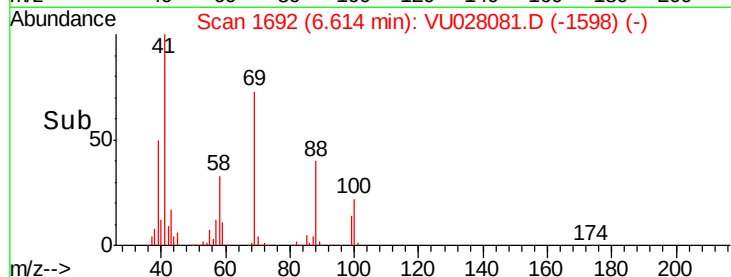
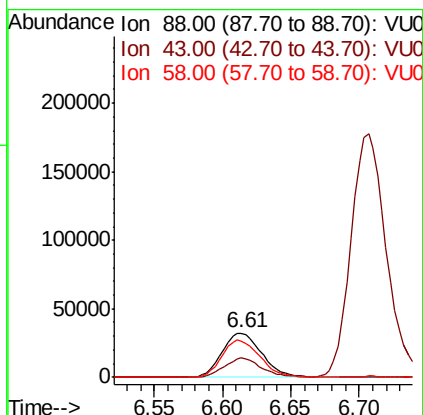
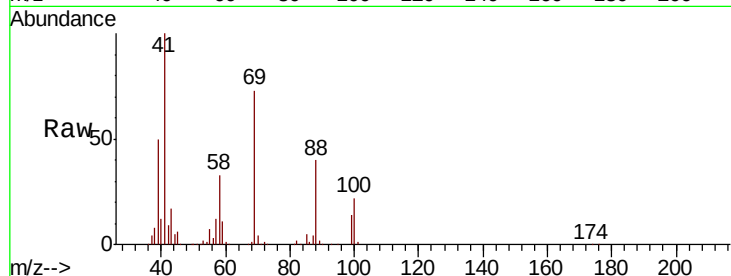




#49
1,4-Dioxane
Concen: 1212.093 ug/l
RT: 6.61 min Scan# 1692
Delta R.T. 0.00 min
Lab File: VU028081.D
Acq: 13 Nov 2018 10:37

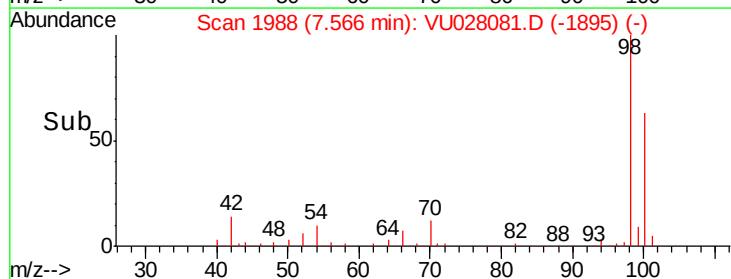
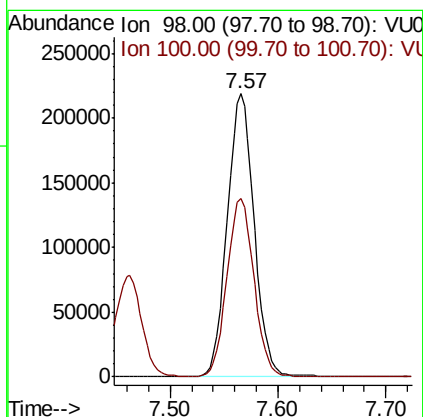
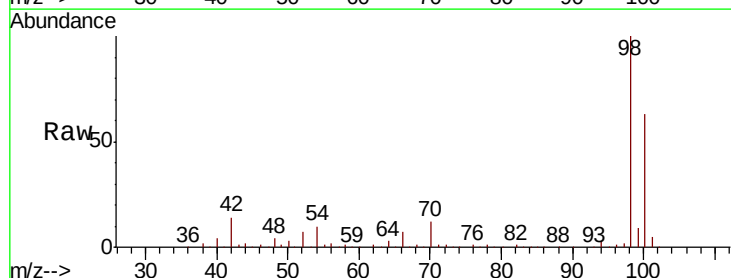
Instrument :
MSVOA_U
ClientSampleId :

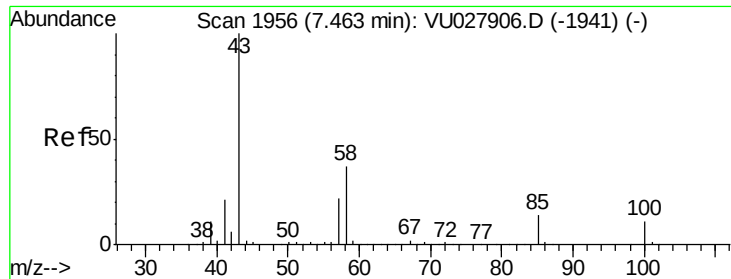
Tot Ion: 88 Resp: 64794
Ion Ratio Lower Upper
88 100
43 40.2 30.5 45.7
58 82.5 67.1 100.7



#50
Toluene-d8
Concen: 56.280 ug/l
RT: 7.57 min Scan# 1988
Delta R.T. 0.00 min
Lab File: VU028081.D
Acq: 13 Nov 2018 10:37

Tgt Ion: 98 Resp: 381210
Ion Ratio Lower Upper
98 100
100 63.0 50.1 75.1





#51

4-Methyl-2-Pentanone

Concen: 275.742 ug/l

RT: 7.46 min Scan# 1955

Delta R.T. -0.00 min

Lab File: VU028081.D

Acq: 13 Nov 2018 10:37

Instrument :

MSVOA_U

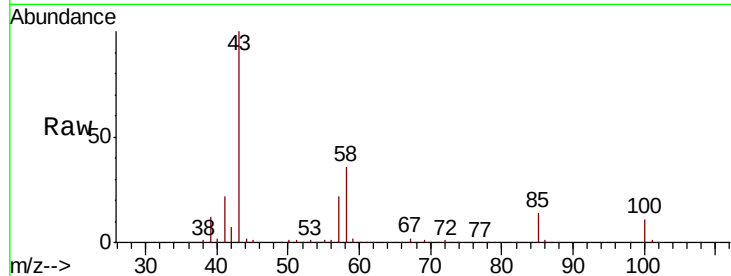
ClientSampleId :

Tot Ion: 43 Resp: 1231253

Ion Ratio Lower Upper

43 100

58 36.4 29.5 44.3



Abundance Ion 43.00 (42.70 to 43.70): VU027906.D (-1941) (-)

Ion 58.00 (57.70 to 58.70): VU027906.D (-1941) (-)

7.46

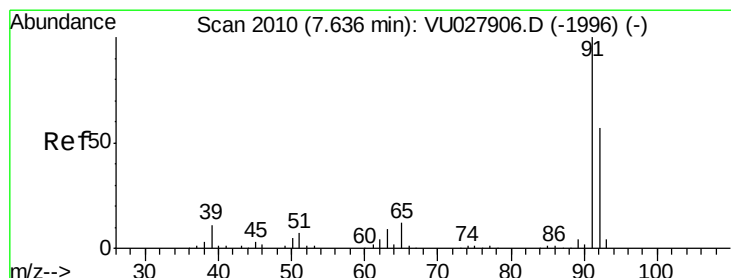
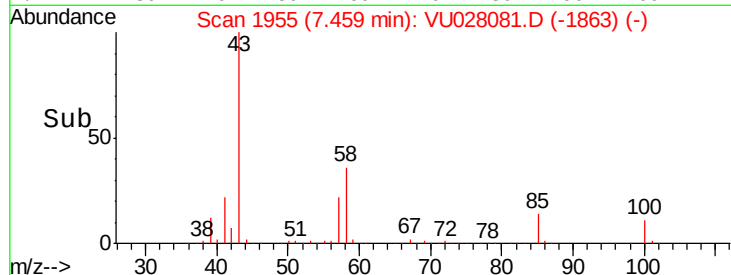
600000

400000

200000

0

Time-->



#52

Toluene

Concen: 53.866 ug/l

RT: 7.64 min Scan# 2010

Delta R.T. -0.00 min

Lab File: VU028081.D

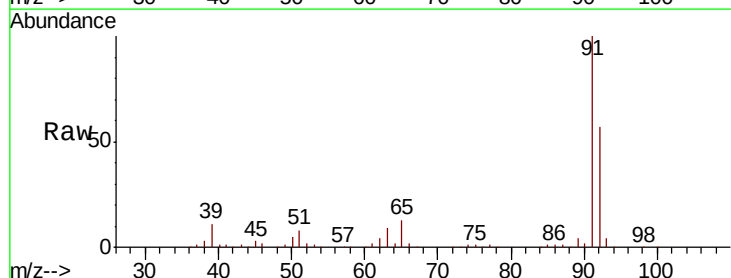
Acq: 13 Nov 2018 10:37

Tgt Ion: 92 Resp: 282001

Ion Ratio Lower Upper

92 100

91 177.0 141.2 211.8



Abundance Ion 92.00 (91.70 to 92.70): VU027906.D (-1996) (-)

Ion 91.00 (90.70 to 91.70): VU027906.D (-1996) (-)

7.64

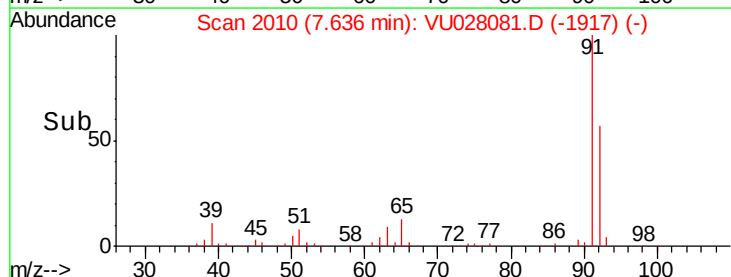
300000

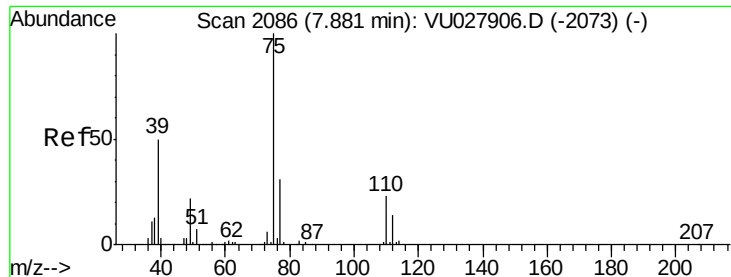
200000

100000

0

Time-->





#53

t-1,3-Dichloropropene

Concen: 54.335 ug/l

RT: 7.88 min Scan# 2086

Delta R.T. 0.00 min

Lab File: VU028081.D

Acq: 13 Nov 2018 10:37

Instrument :

MSVOA_U

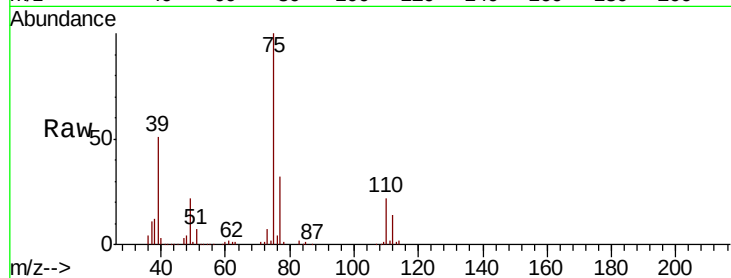
ClientSampled :

Tot Ion: 75 Resp: 192036

Ion Ratio Lower Upper

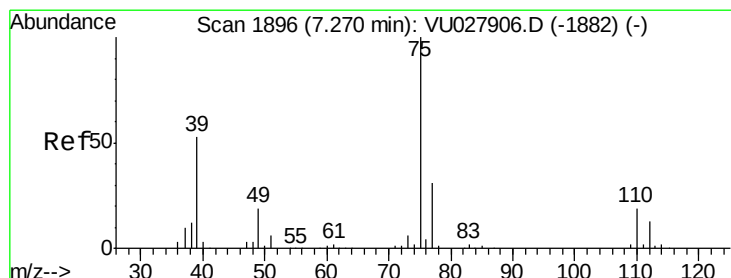
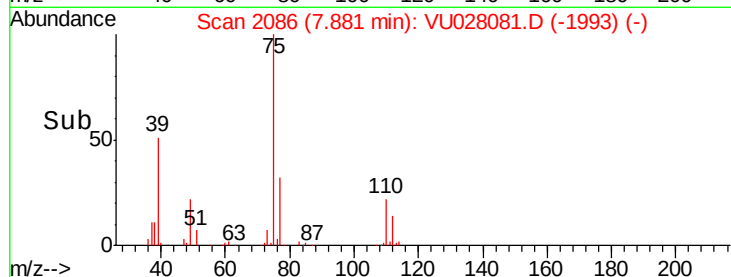
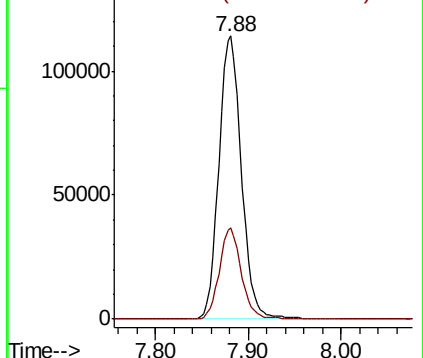
75 100

77 32.1 25.1 37.7



Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 76.90 (76.60 to 77.60): VU0



#54

cis-1,3-Dichloropropene

Concen: 58.727 ug/l

RT: 7.27 min Scan# 1896

Delta R.T. 0.00 min

Lab File: VU028081.D

Acq: 13 Nov 2018 10:37

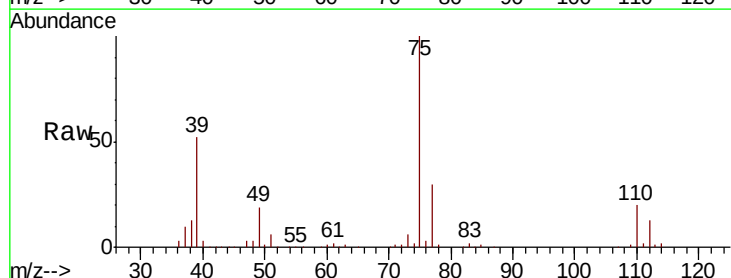
Tgt Ion: 75 Resp: 205954

Ion Ratio Lower Upper

75 100

77 30.2 24.6 37.0

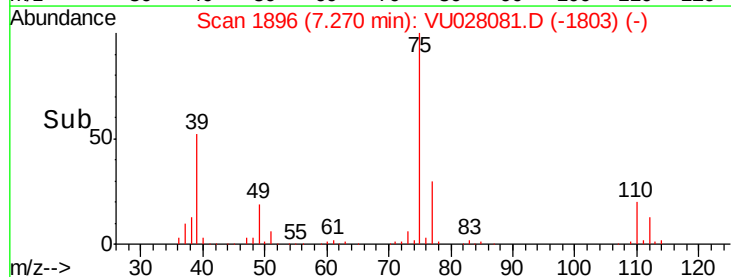
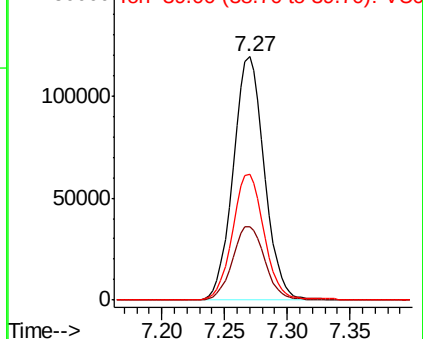
39 51.6 42.6 64.0

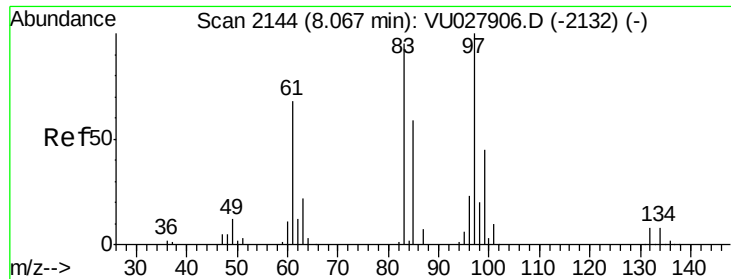


Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 76.90 (76.60 to 77.60): VU0

Ion 39.00 (38.70 to 39.70): VU0

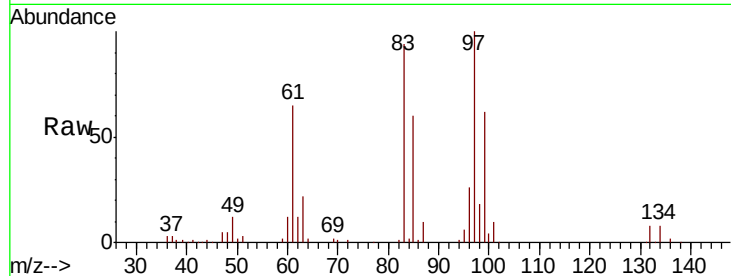




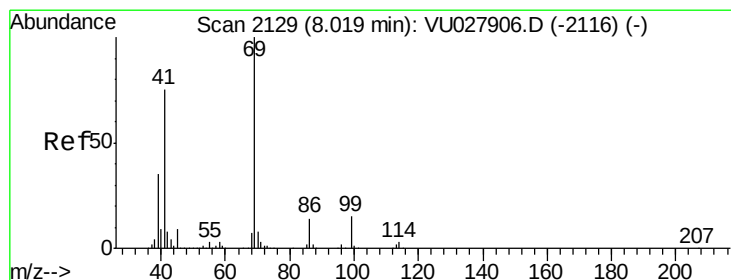
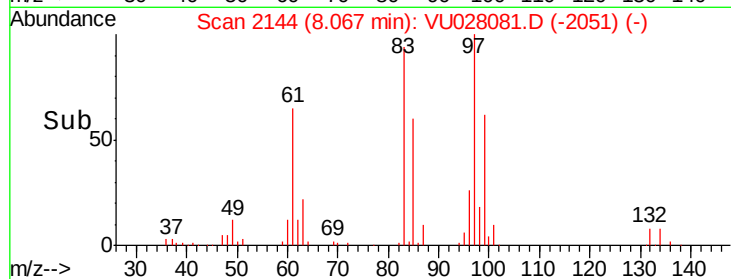
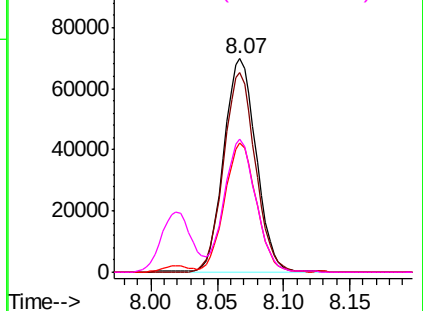
#55
 1,1,2-Trichloroethane
 Concen: 55.757 ug/l
 RT: 8.07 min Scan# 2144
 Delta R.T. 0.00 min
 Lab File: VU028081.D
 Acq: 13 Nov 2018 10:37

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion:	97	Resp:	118757
Ion	Ratio	Lower	Upper
97	100		
83	93.7	76.1	114.1
85	60.3	48.9	73.3
99	62.1	52.0	78.0

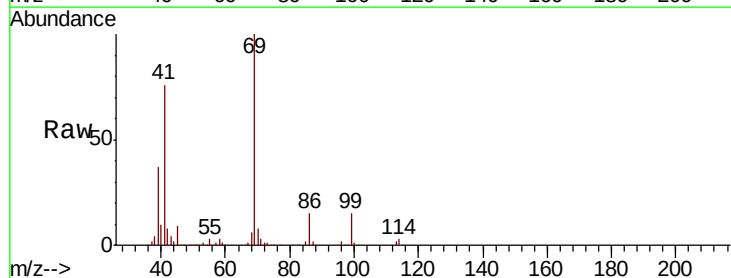


Abundance Ion 96.90 (96.60 to 97.60): VU0
 Ion 82.90 (82.60 to 83.60): VU0
 Ion 84.90 (84.60 to 85.60): VU0
 Ion 98.90 (98.60 to 99.60): VU0

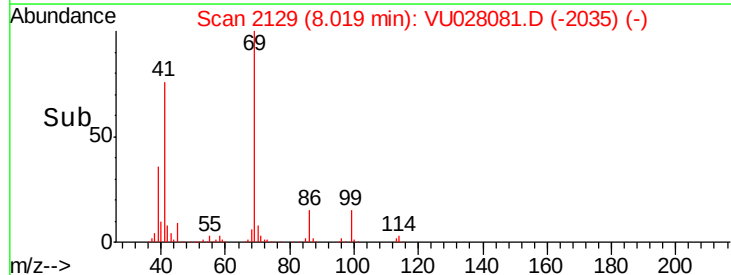
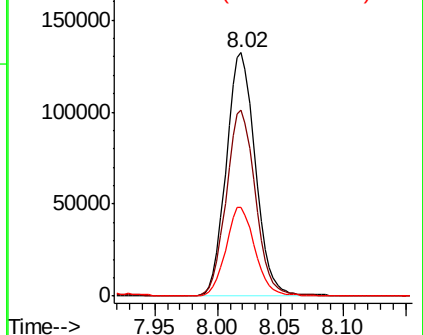


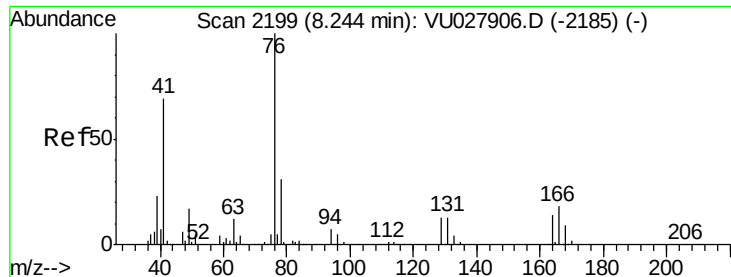
#56
 Ethyl methacrylate
 Concen: 56.844 ug/l
 RT: 8.02 min Scan# 2129
 Delta R.T. 0.00 min
 Lab File: VU028081.D
 Acq: 13 Nov 2018 10:37

Tgt Ion:	69	Resp:	213513
Ion	Ratio	Lower	Upper
69	100		
41	76.0	59.8	89.6
39	36.0	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

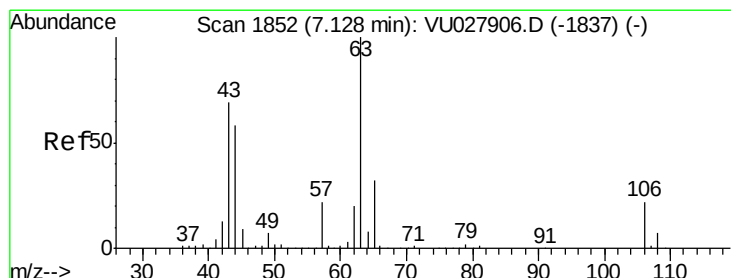
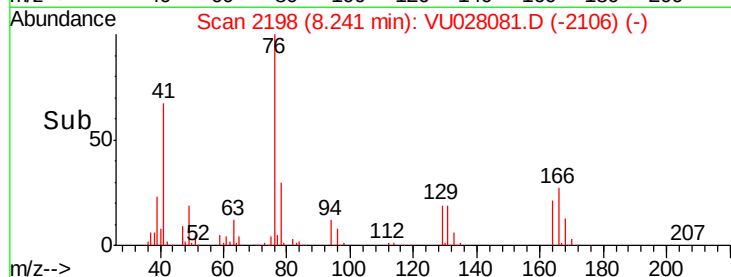
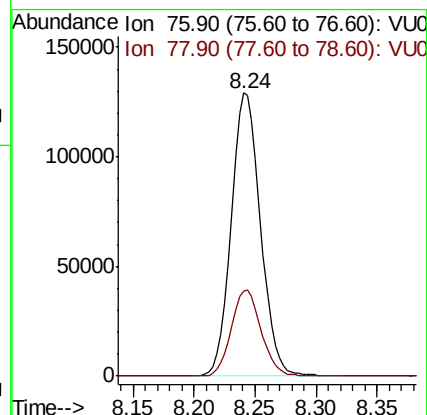
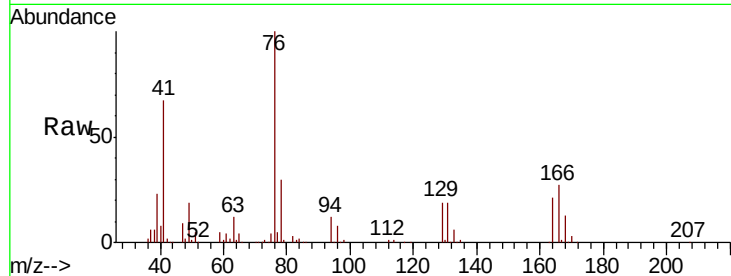




#57
 1,3-Dichloropropane
 Concen: 55.864 ug/l
 RT: 8.24 min Scan# 2198
 Delta R.T. -0.00 min
 Lab File: VU028081.D
 Acq: 13 Nov 2018 10:37

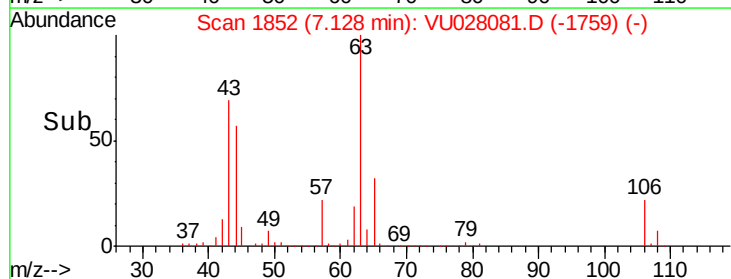
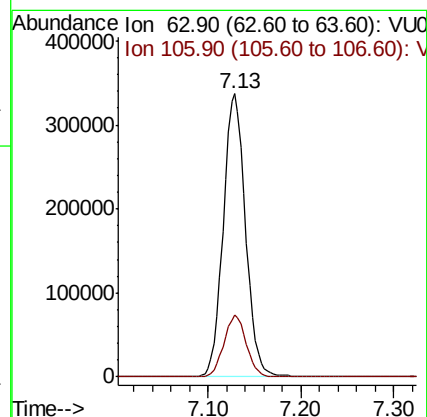
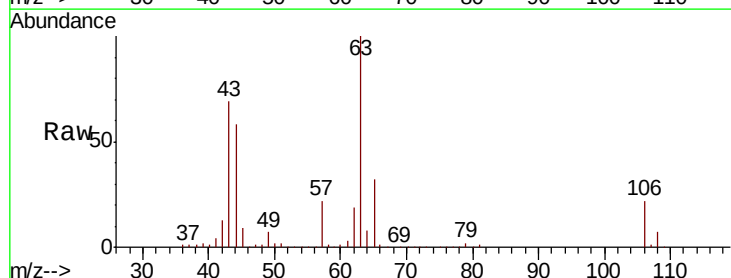
Instrument :
 MSVOA_U
 ClientSampled :

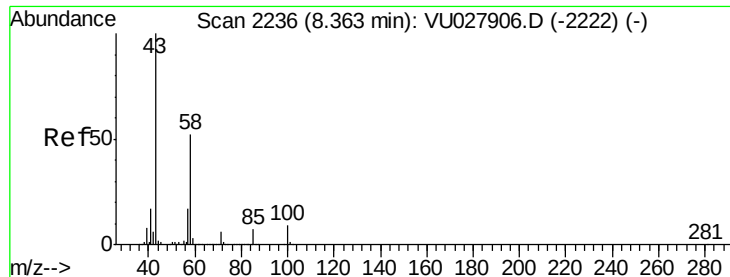
Tot Ion: 76 Resp: 216745
 Ion Ratio Lower Upper
 76 100
 78 31.0 25.3 37.9



#58
 2-Chloroethyl Vinyl ether
 Concen: 279.256 ug/l
 RT: 7.13 min Scan# 1852
 Delta R.T. 0.00 min
 Lab File: VU028081.D
 Acq: 13 Nov 2018 10:37

Tgt Ion: 63 Resp: 561771
 Ion Ratio Lower Upper
 63 100
 106 21.9 17.8 26.6

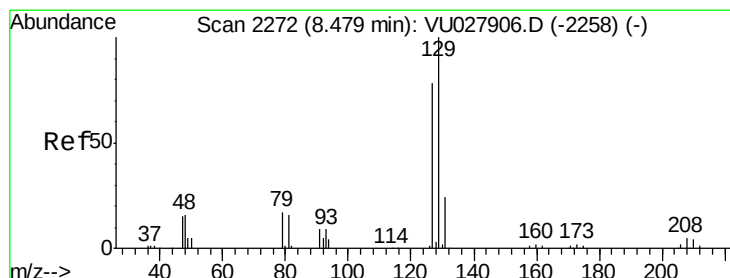
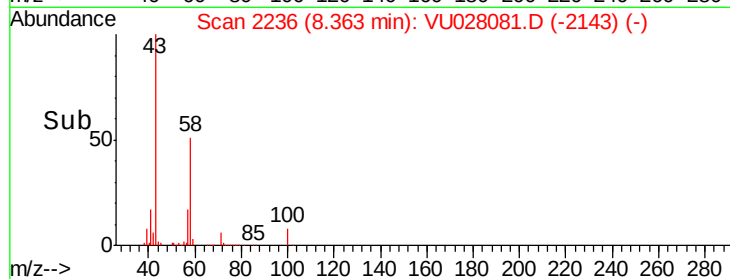
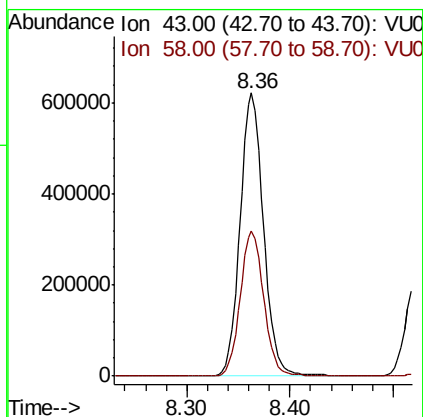
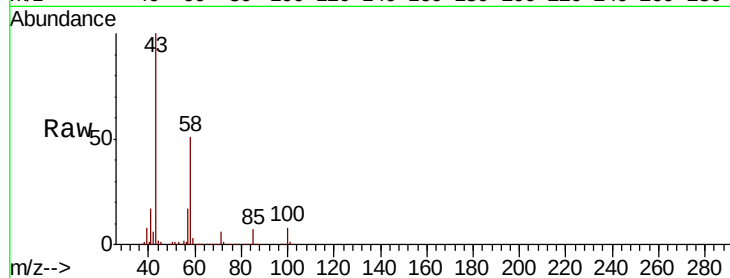




#59
2-Hexanone
Concen: 284.468 ug/l
RT: 8.36 min Scan# 2236
Delta R.T. 0.00 min
Lab File: VU028081.D
Acq: 13 Nov 2018 10:37

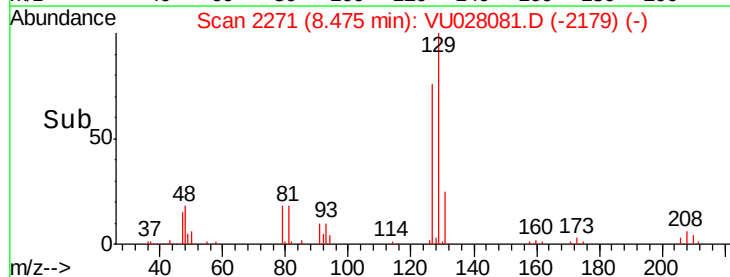
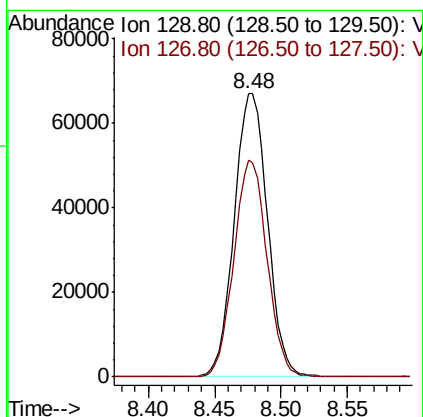
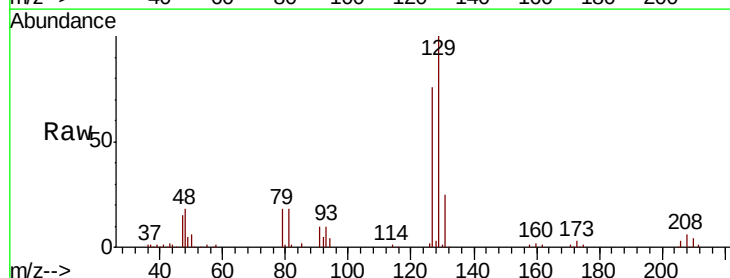
Instrument :
MSVOA_U
ClientSampleId :

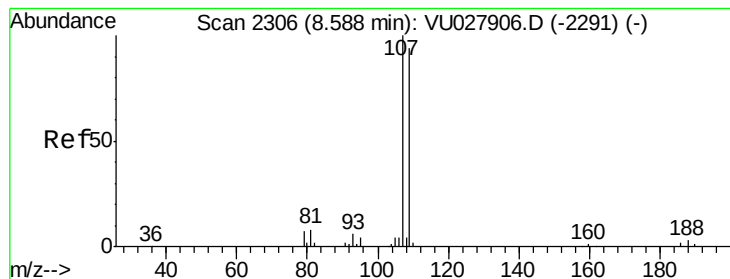
Tot Ion: 43 Resp: 982428
Ion Ratio Lower Upper
43 100
58 51.6 25.8 77.3



#60
Dibromochloromethane
Concen: 58.093 ug/l
RT: 8.48 min Scan# 2271
Delta R.T. -0.00 min
Lab File: VU028081.D
Acq: 13 Nov 2018 10:37

Tgt Ion:129 Resp: 117087
Ion Ratio Lower Upper
129 100
127 76.1 39.2 117.6





#61

1,2-Dibromoethane

Concen: 54.261 ug/l

RT: 8.58 min Scan# 2305

Delta R.T. -0.00 min

Lab File: VU028081.D

Acq: 13 Nov 2018 10:37

Instrument :

MSVOA_U

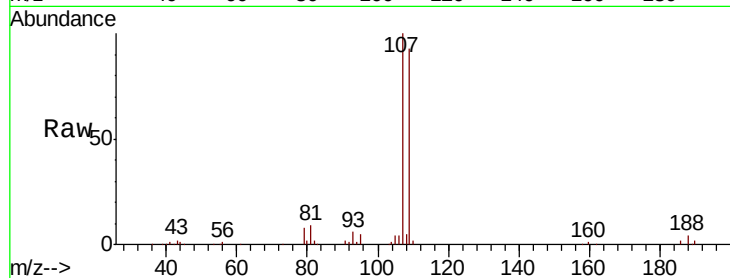
ClientSampleId :

Tot Ion: 107 Resp: 122803

Ion Ratio Lower Upper

107 100

109 94.7 73.8 110.8



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

8.58

80000

60000

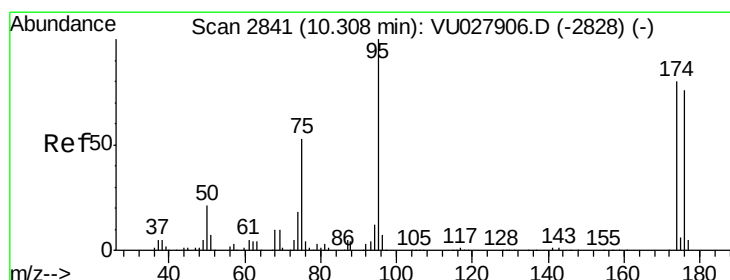
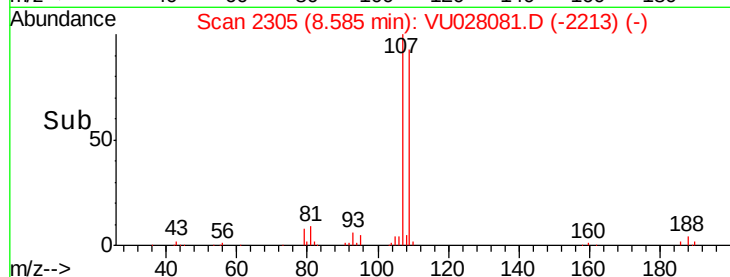
40000

20000

0

Time-->

8.50 8.55 8.60 8.65



#62

4-Bromofluorobenzene

Concen: 57.694 ug/l

RT: 10.31 min Scan# 2841

Delta R.T. 0.00 min

Lab File: VU028081.D

Acq: 13 Nov 2018 10:37

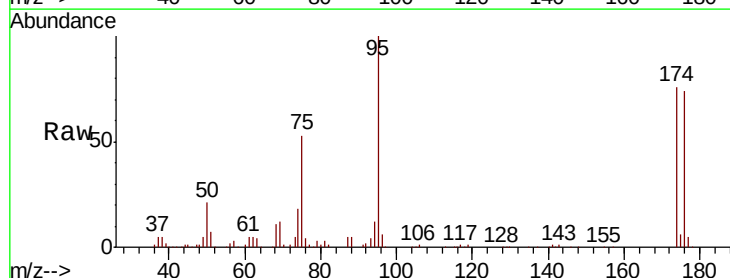
Tgt Ion: 95 Resp: 144140

Ion Ratio Lower Upper

95 100

174 75.9 0.0 156.4

176 73.7 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

10.31

120000

100000

80000

60000

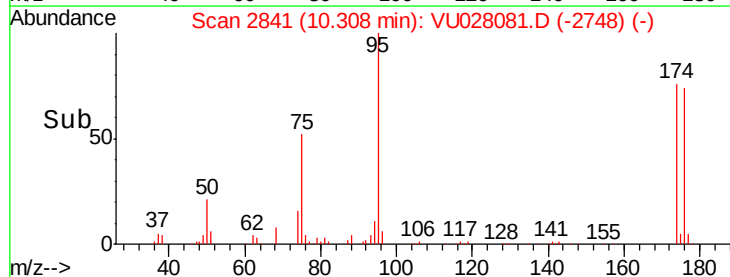
40000

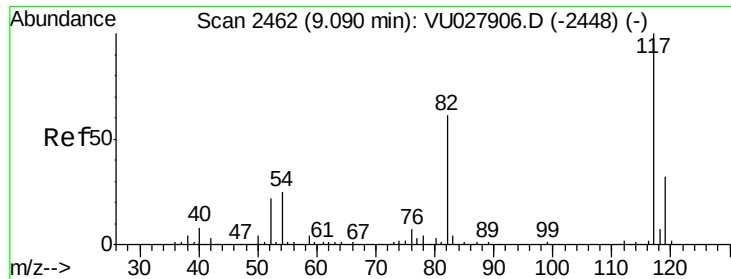
20000

0

Time-->

10.30 10.40

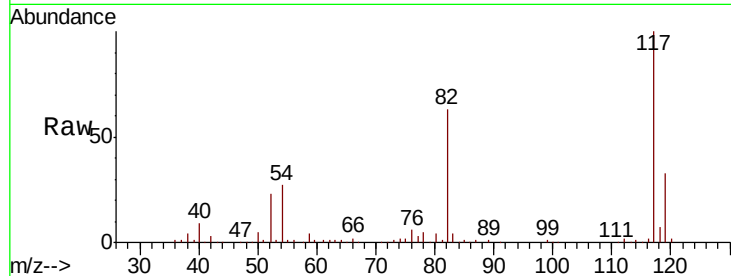




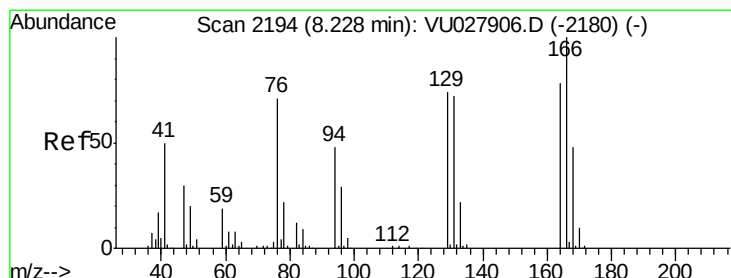
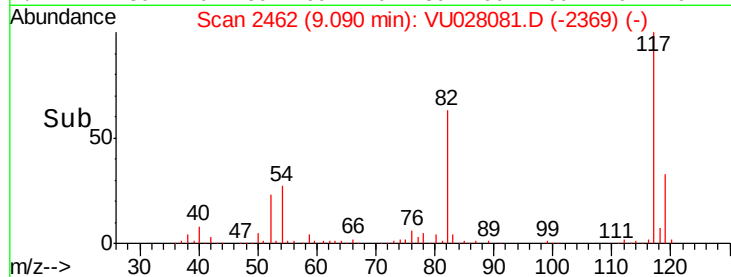
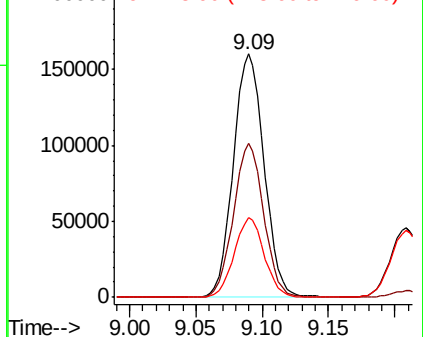
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.09 min Scan# 2462
Delta R.T. 0.00 min
Lab File: VU028081.D
Acq: 13 Nov 2018 10:37

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion:117 Resp: 258754
Ion Ratio Lower Upper
117 100
82 63.5 48.6 73.0
119 32.6 25.8 38.8

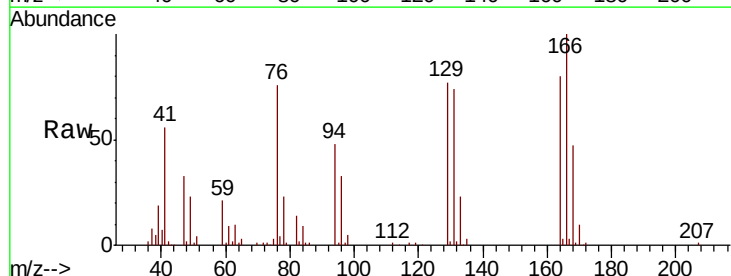


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VU0
Ion 118.90 (118.60 to 119.60): V

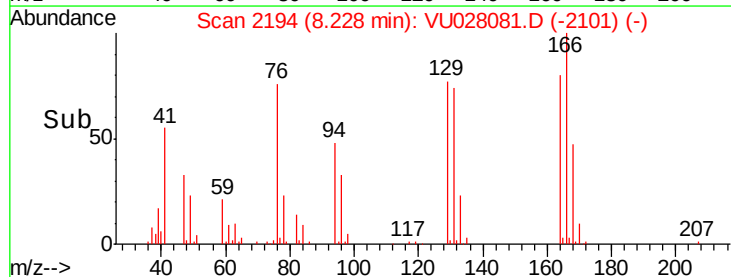
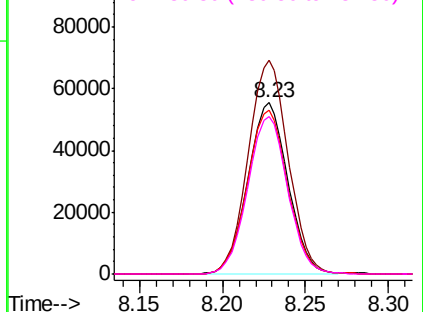


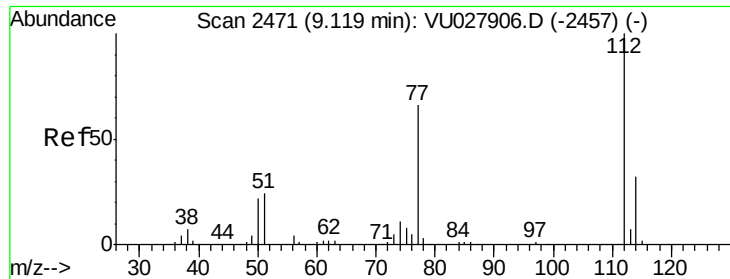
#64
Tetrachloroethene
Concen: 55.283 ug/l
RT: 8.23 min Scan# 2194
Delta R.T. 0.00 min
Lab File: VU028081.D
Acq: 13 Nov 2018 10:37

Tgt Ion:164 Resp: 92756
Ion Ratio Lower Upper
164 100
166 124.9 102.1 153.1
129 95.8 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

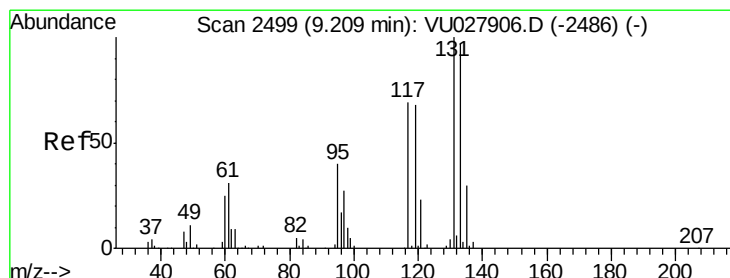
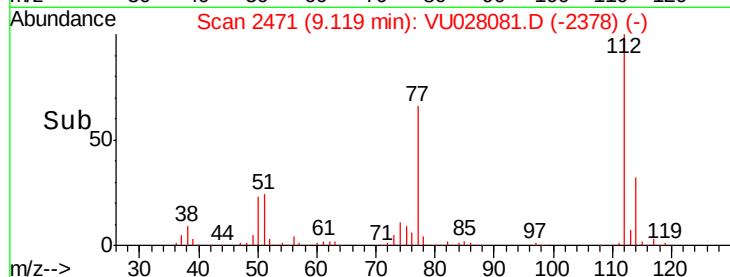
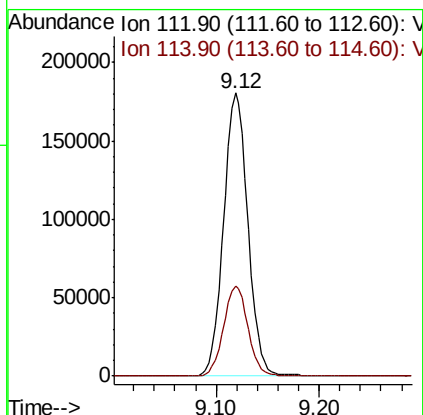
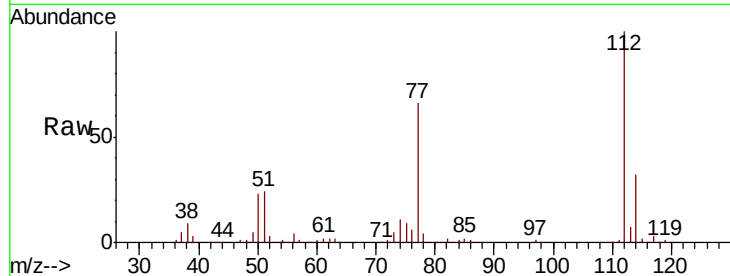




#65
Chlorobenzene
Concen: 54.189 ug/l
RT: 9.12 min Scan# 2471
Delta R.T. 0.00 min
Lab File: VU028081.D
Acq: 13 Nov 2018 10:37

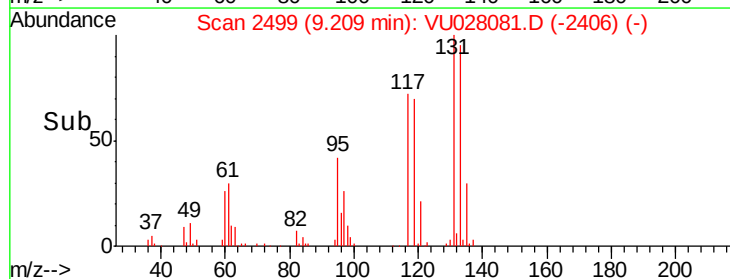
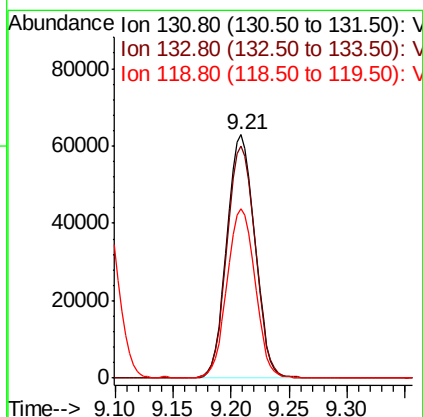
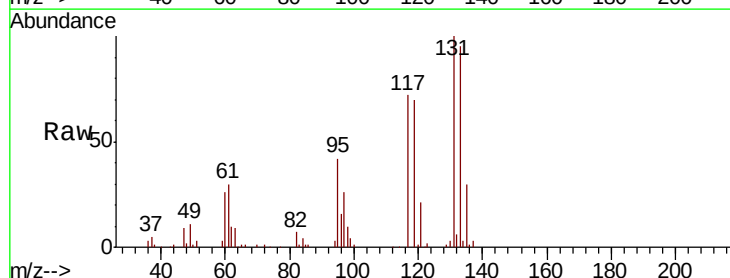
Instrument :
MSVOA_U
ClientSampled :

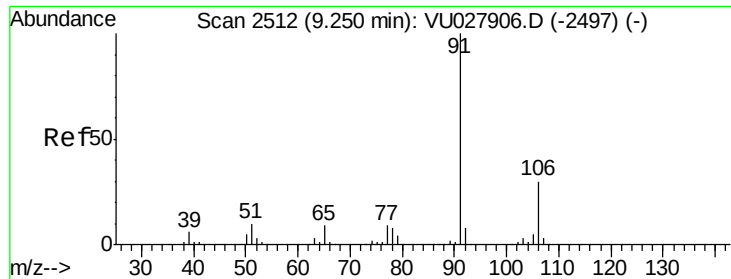
Tot Ion:112 Resp: 296241
Ion Ratio Lower Upper
112 100
114 31.8 25.2 37.8



#66
1,1,1,2-Tetrachloroethane
Concen: 56.427 ug/l
RT: 9.21 min Scan# 2499
Delta R.T. 0.00 min
Lab File: VU028081.D
Acq: 13 Nov 2018 10:37

Tgt Ion:131 Resp: 105365
Ion Ratio Lower Upper
131 100
133 96.2 48.1 144.4
119 69.4 34.0 101.8

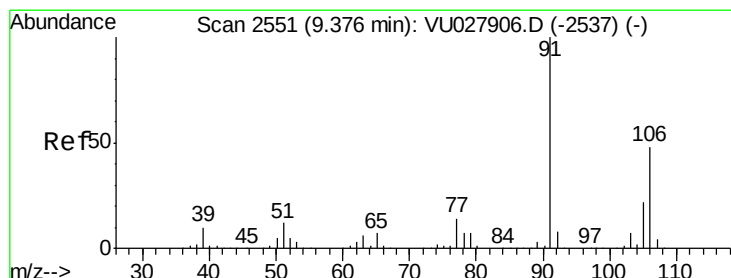
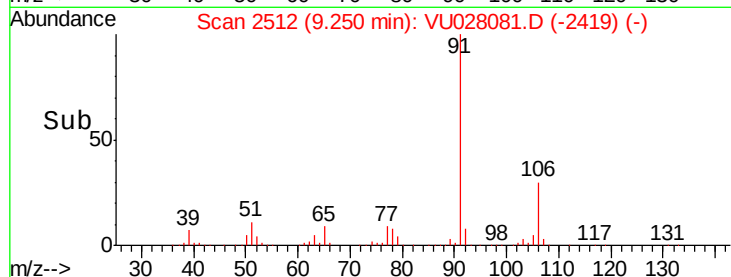
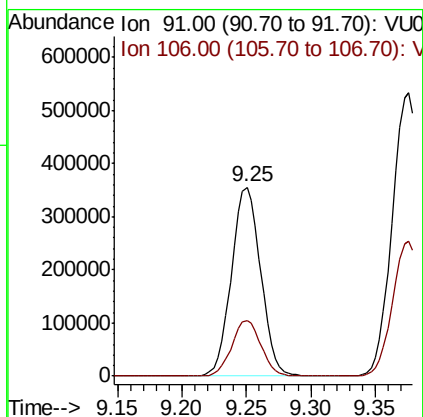
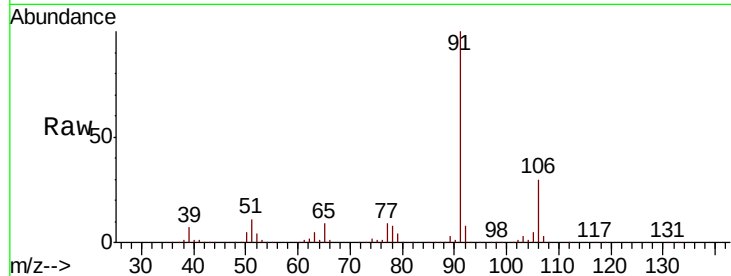




#67
Ethyl Benzene
Concen: 55.759 ug/l
RT: 9.25 min Scan# 2512
Delta R.T. -0.00 min
Lab File: VU028081.D
Acq: 13 Nov 2018 10:37

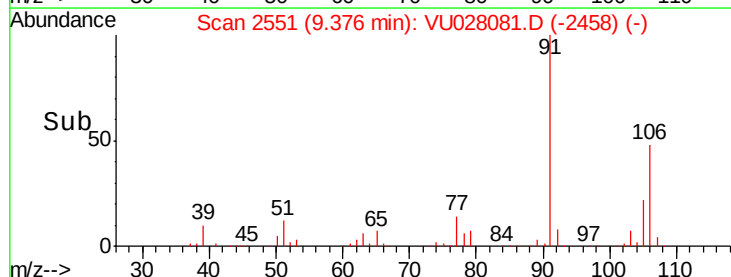
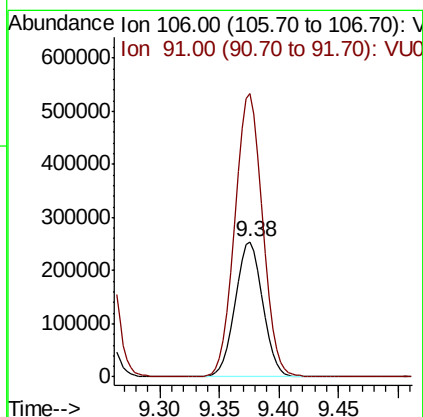
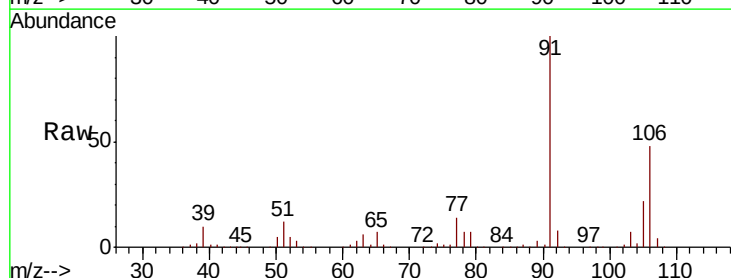
Instrument :
MSVOA_U
ClientSampled :

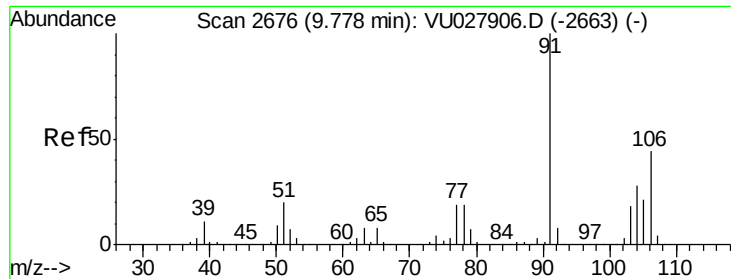
Tot Ion: 91 Resp: 561082
Ion Ratio Lower Upper
91 100
106 29.6 23.6 35.4



#68
m/p-Xylenes
Concen: 111.822 ug/l
RT: 9.38 min Scan# 2551
Delta R.T. 0.00 min
Lab File: VU028081.D
Acq: 13 Nov 2018 10:37

Tgt Ion: 106 Resp: 408275
Ion Ratio Lower Upper
106 100
91 211.1 168.2 252.4

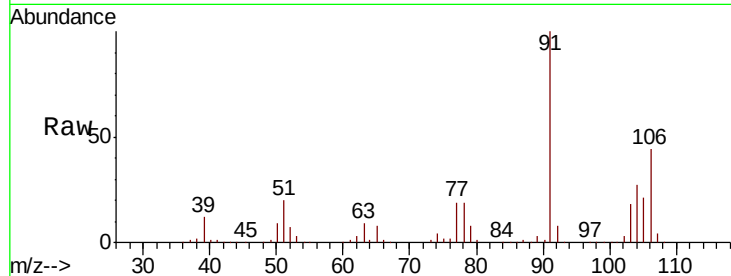




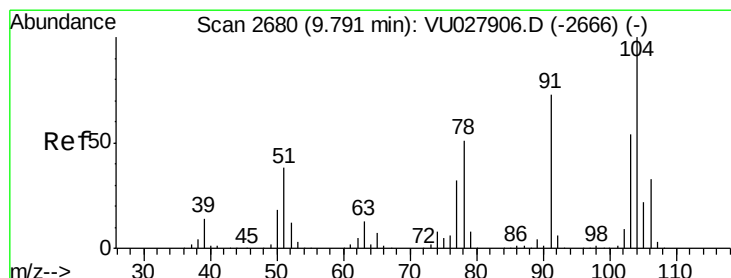
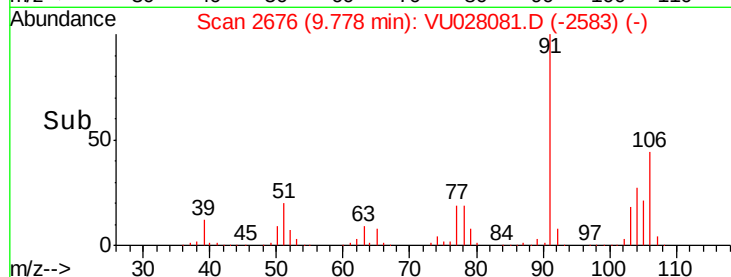
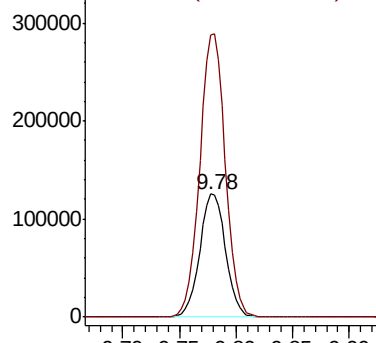
#69
o-Xylene
Concen: 54.070 ug/l
RT: 9.78 min Scan# 2676
Delta R.T. 0.00 min
Lab File: VU028081.D
Acq: 13 Nov 2018 10:37

Instrument :
MSVOA_U
ClientSampled :

Tot Ion:106 Resp: 199348
Ion Ratio Lower Upper
106 100
91 227.1 111.1 333.4

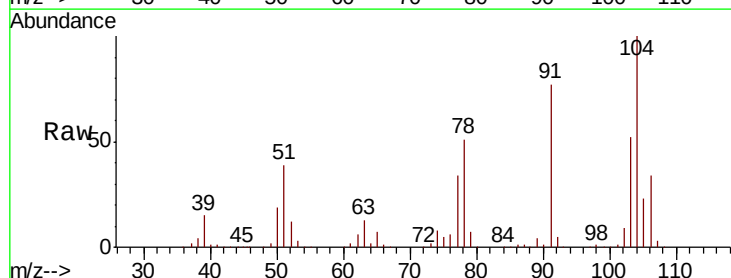


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VU0

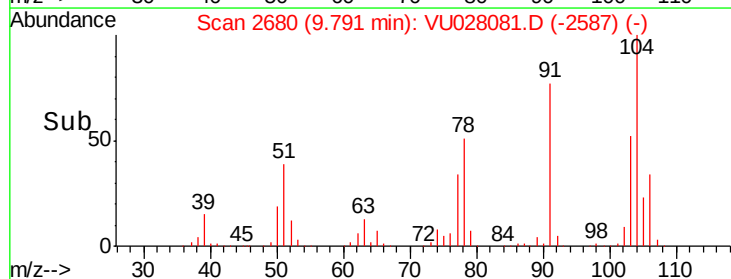
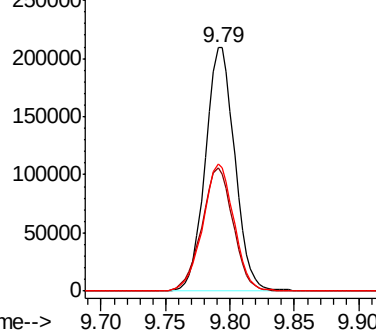


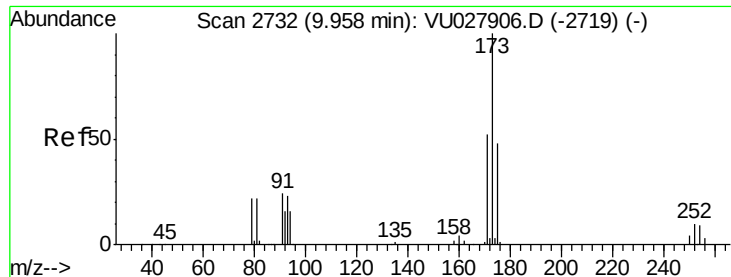
#70
Styrene
Concen: 56.548 ug/l
RT: 9.79 min Scan# 2680
Delta R.T. 0.00 min
Lab File: VU028081.D
Acq: 13 Nov 2018 10:37

Tgt Ion:104 Resp: 333120
Ion Ratio Lower Upper
104 100
78 54.0 43.0 64.4
103 55.2 45.1 67.7



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





#71

Bromoform

Concen: 58.321 ug/l

RT: 9.96 min Scan# 2732

Delta R.T. -0.00 min

Lab File: VU028081.D

Acq: 13 Nov 2018 10:37

Instrument :
MSVOA_U
ClientSampleId :

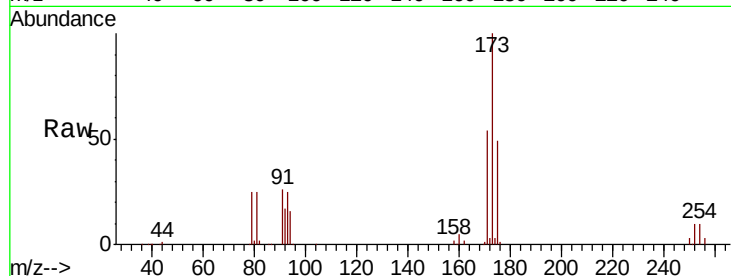
Tot Ion:173 Resp: 91267

Ion Ratio Lower Upper

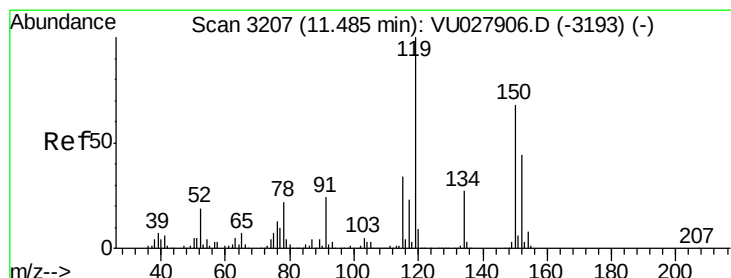
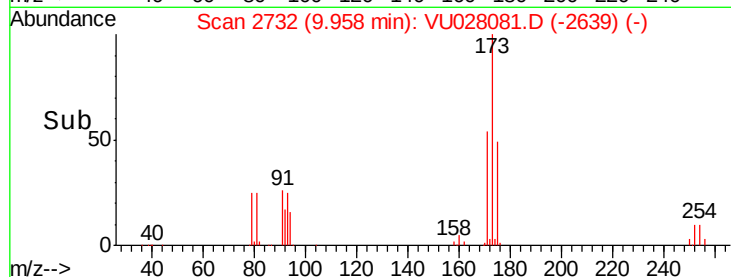
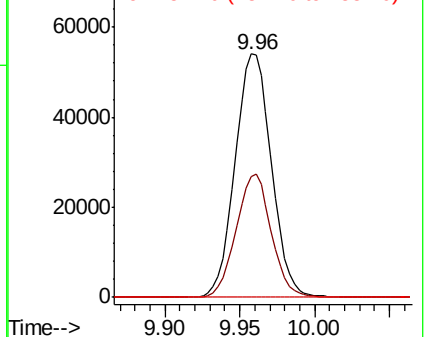
173 100

175 48.9 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: VU028081.D

Acq: 13 Nov 2018 10:37

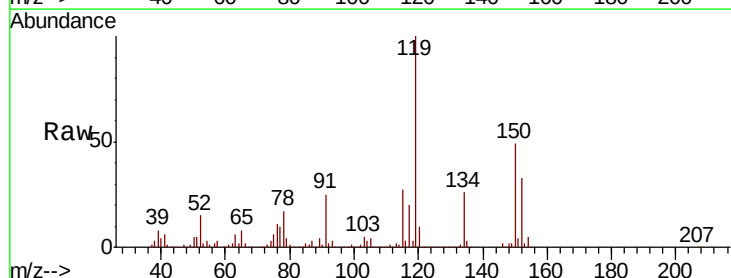
Tgt Ion:152 Resp: 133103

Ion Ratio Lower Upper

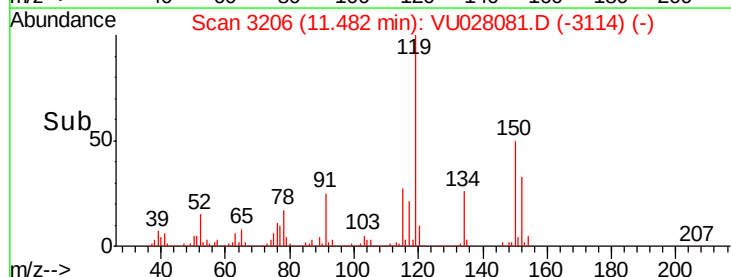
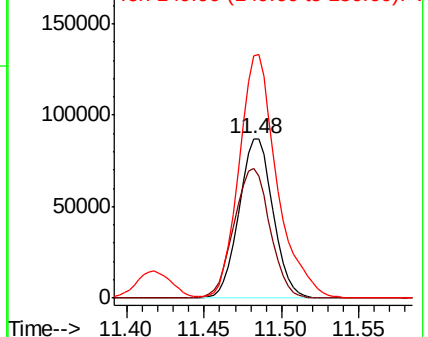
152 100

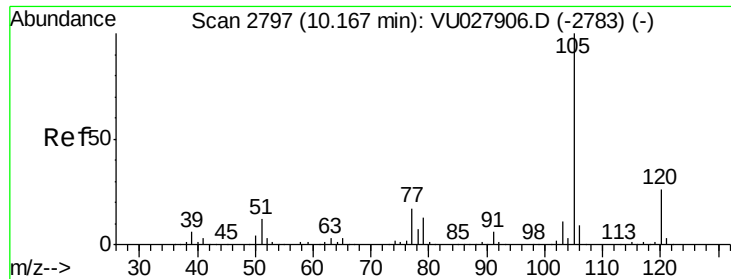
115 86.5 43.0 129.0

150 171.1 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: 52.623 ug/l

RT: 10.17 min Scan# 2797

Delta R.T. 0.00 min

Lab File: VU028081.D

Acq: 13 Nov 2018 10:37

Instrument :

MSVOA_U

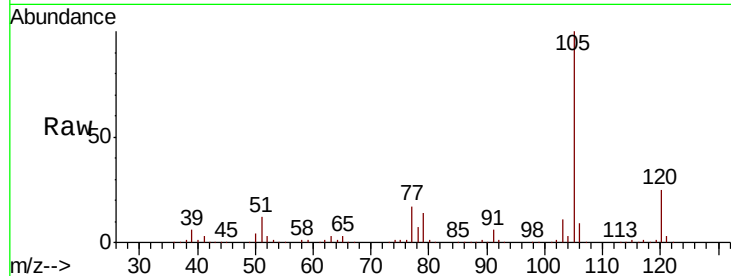
ClientSampleId :

Tot Ion:105 Resp: 542619

Ion Ratio Lower Upper

105 100

120 25.4 12.7 38.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

10.17

300000

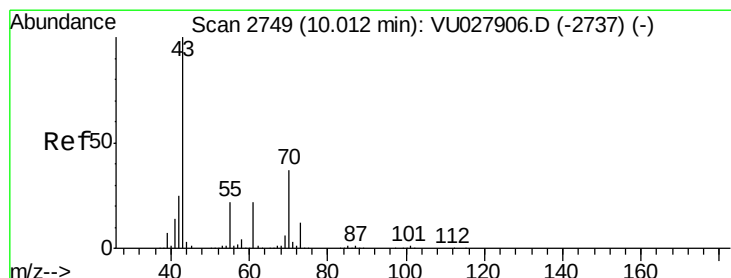
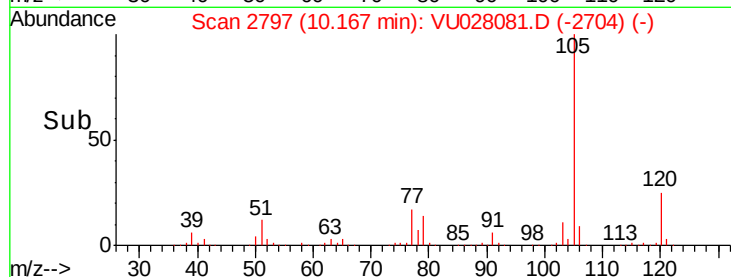
200000

100000

0

Time-->

10.10 10.20 10.30



#74

N-ethyl acetate

Concen: 55.600 ug/l

RT: 10.01 min Scan# 2749

Delta R.T. 0.00 min

Lab File: VU028081.D

Acq: 13 Nov 2018 10:37

Tgt Ion: 43 Resp: 346669

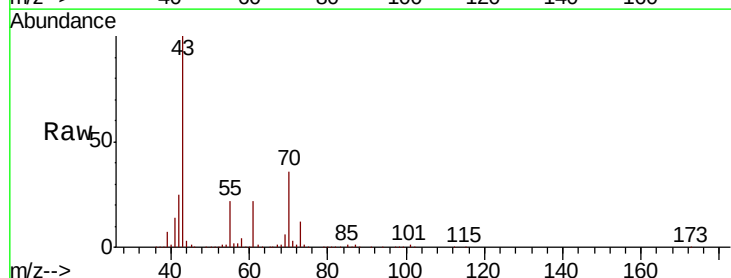
Ion Ratio Lower Upper

43 100

70 36.0 29.2 43.8

55 22.2 17.8 26.6

61 22.2 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

10.01

300000

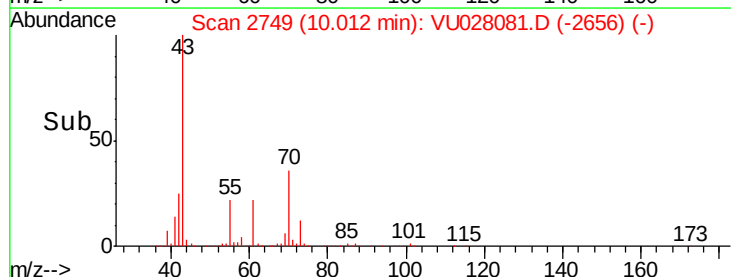
200000

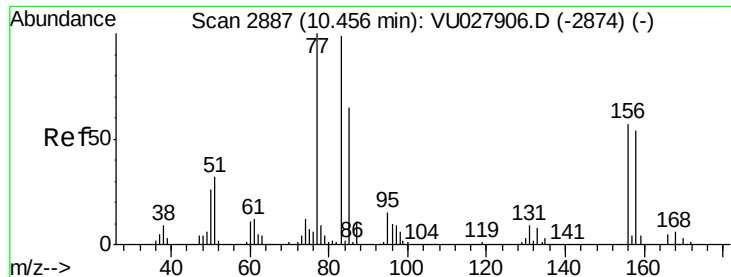
100000

0

Time-->

10.00 10.10





#75

1,1,2,2-Tetrachloroethane

Concen: 52.794 ug/l

RT: 10.46 min Scan# 2888

Delta R.T. 0.00 min

Lab File: VU028081.D

Acq: 13 Nov 2018 10:37

Instrument :

MSVOA_U

ClientSampleId :

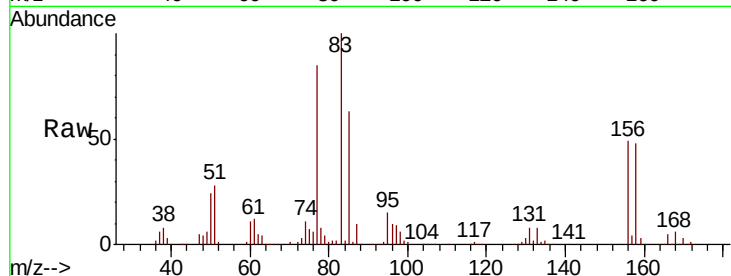
Tot Ion: 83 Resp: 219585

Ion Ratio Lower Upper

83 100

131 8.2 4.3 13.1

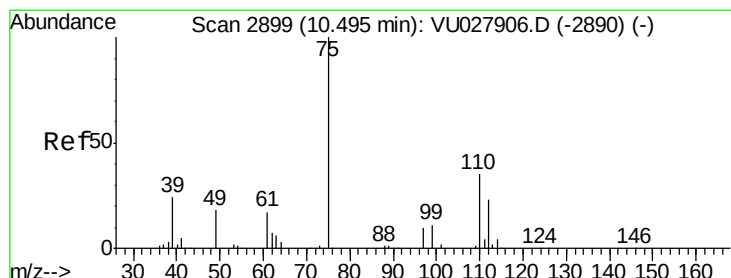
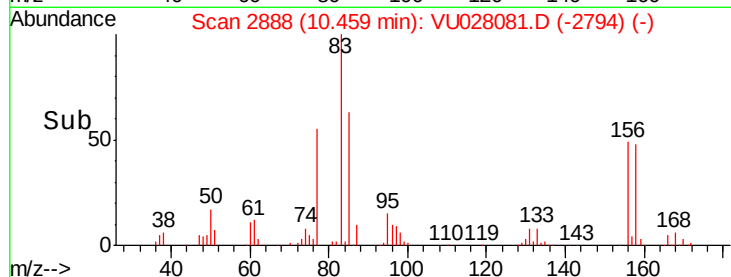
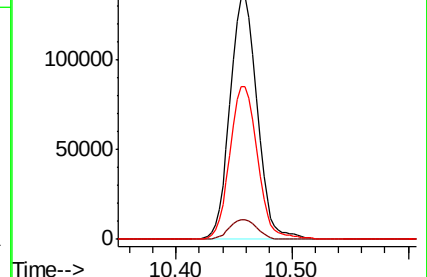
85 64.1 32.4 97.2



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: 72.862 ug/l

RT: 10.49 min Scan# 2899

Delta R.T. 0.00 min

Lab File: VU028081.D

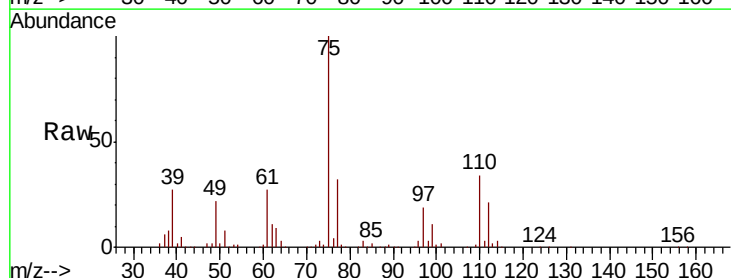
Acq: 13 Nov 2018 10:37

Tgt Ion: 75 Resp: 265274

Ion Ratio Lower Upper

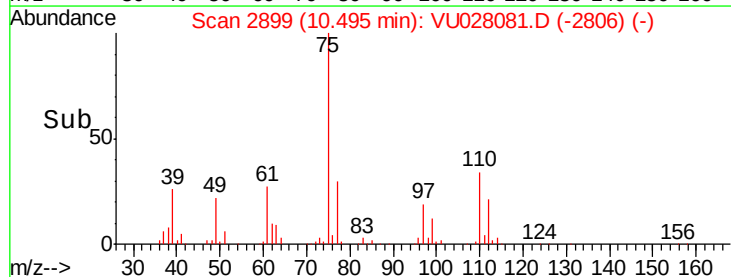
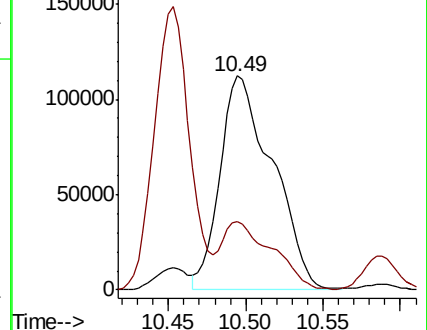
75 100

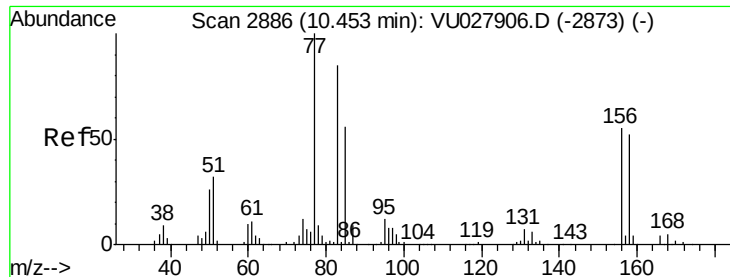
77 30.7 21.6 64.6



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: 53.359 ug/l

RT: 10.45 min Scan# 2886

Delta R.T. 0.00 min

Lab File: VU028081.D

Acq: 13 Nov 2018 10:37

Instrument :

MSVOA_U

ClientSampleId :

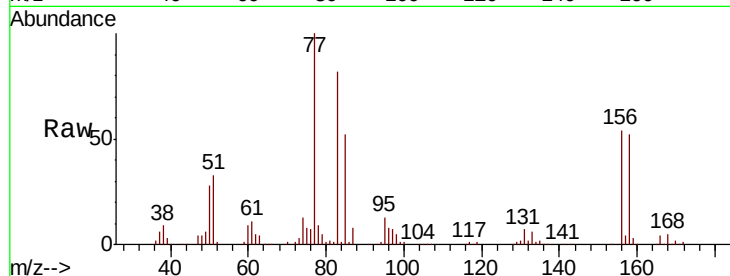
Tot Ion:156 Resp: 126162

Ion Ratio Lower Upper

156 100

77 187.7 91.8 275.6

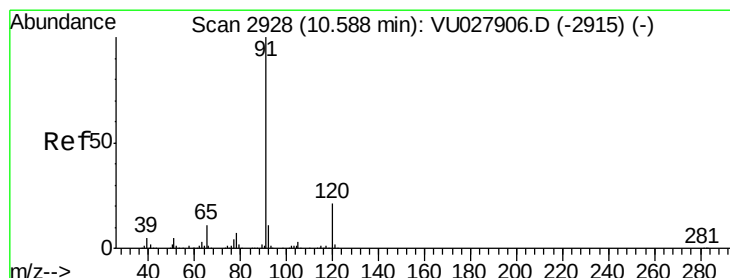
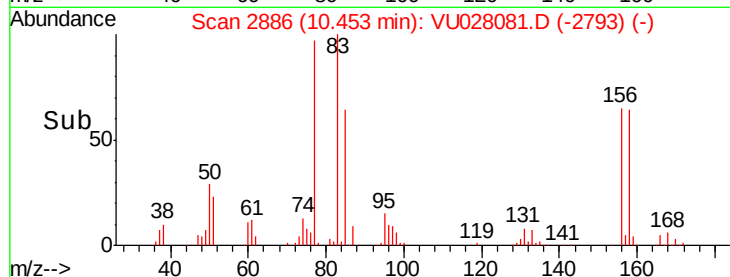
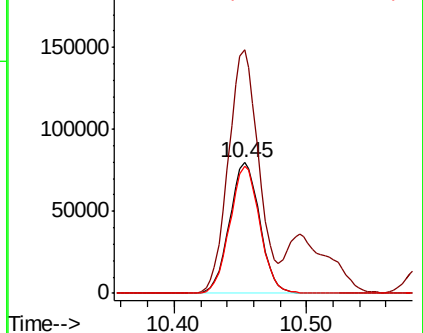
158 96.3 48.4 145.2



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: 54.659 ug/l

RT: 10.59 min Scan# 2928

Delta R.T. -0.00 min

Lab File: VU028081.D

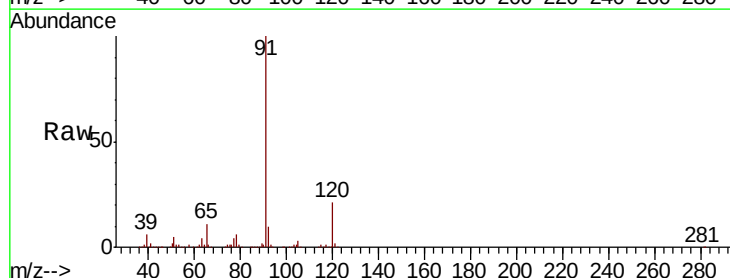
Acq: 13 Nov 2018 10:37

Tgt Ion: 91 Resp: 674634

Ion Ratio Lower Upper

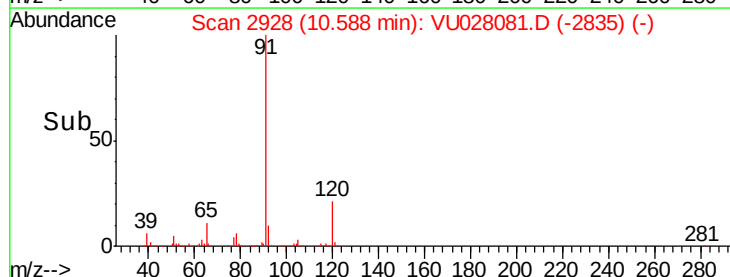
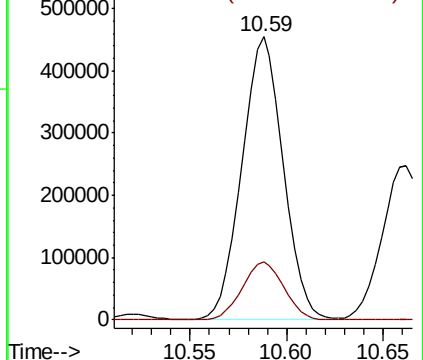
91 100

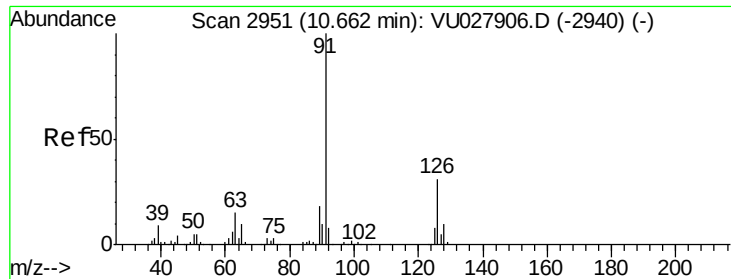
120 20.7 10.6 31.8



Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 120.00 (119.70 to 120.70): V

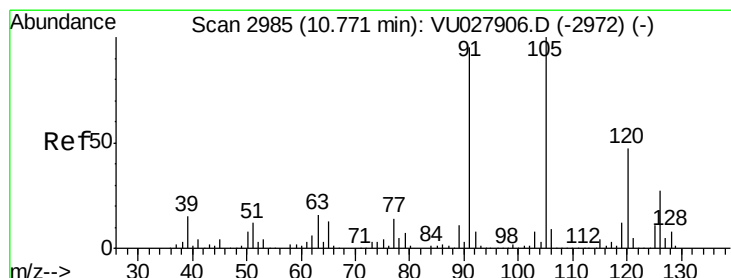
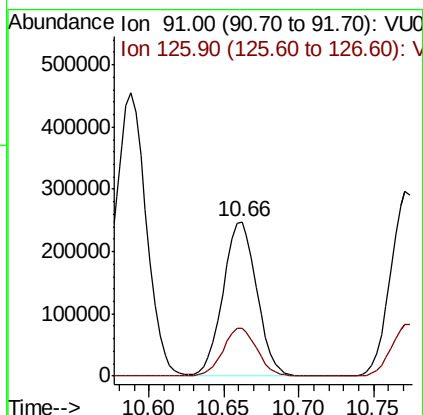
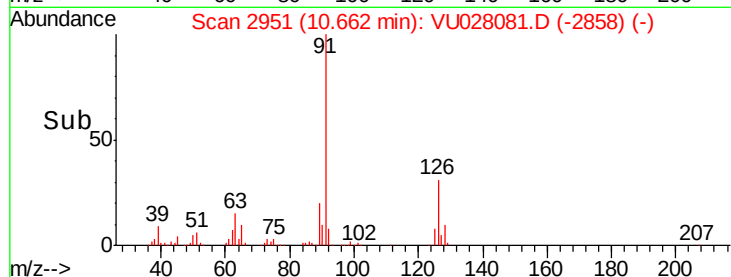
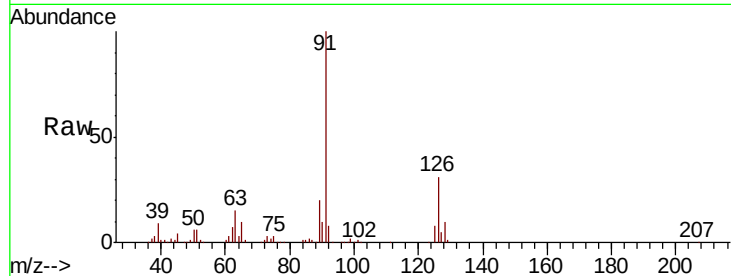




#79
 2-Chlorotoluene
 Concen: 52.948 ug/l
 RT: 10.66 min Scan# 2951
 Delta R.T. 0.00 min
 Lab File: VU028081.D
 Acq: 13 Nov 2018 10:37

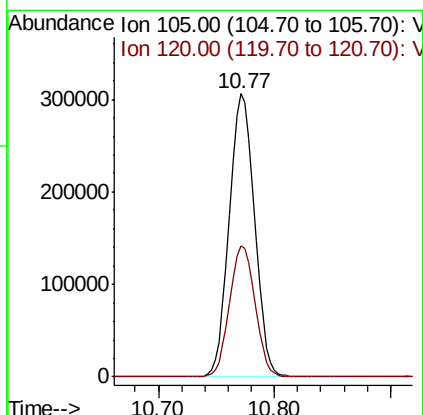
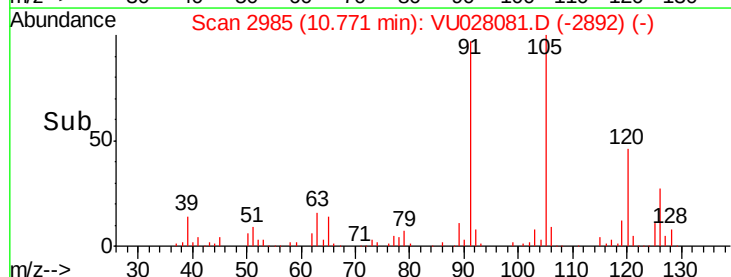
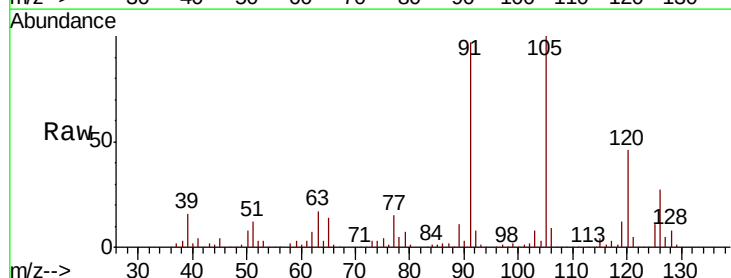
Instrument :
 MSVOA_U
 ClientSampled :

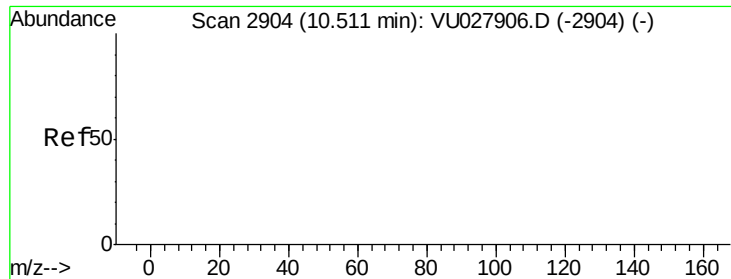
Tot Ion: 91 Resp: 391723
 Ion Ratio Lower Upper
 91 100
 126 31.1 16.0 47.9



#80
 1,3,5-Trimethylbenzene
 Concen: 53.750 ug/l
 RT: 10.77 min Scan# 2985
 Delta R.T. 0.00 min
 Lab File: VU028081.D
 Acq: 13 Nov 2018 10:37

Tgt Ion: 105 Resp: 459123
 Ion Ratio Lower Upper
 105 100
 120 46.5 23.3 69.9

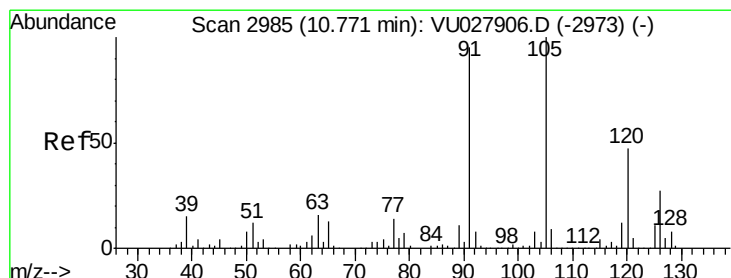
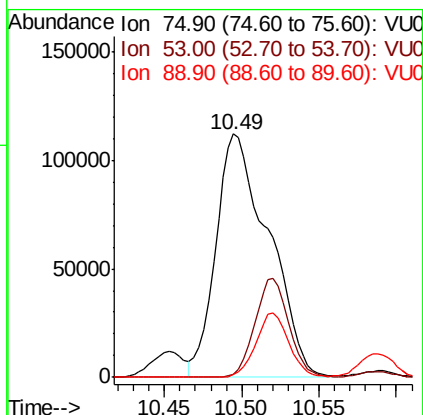
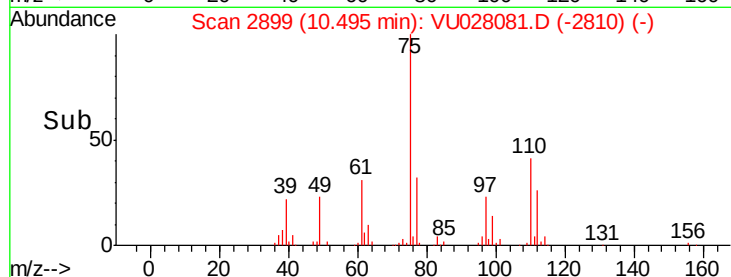
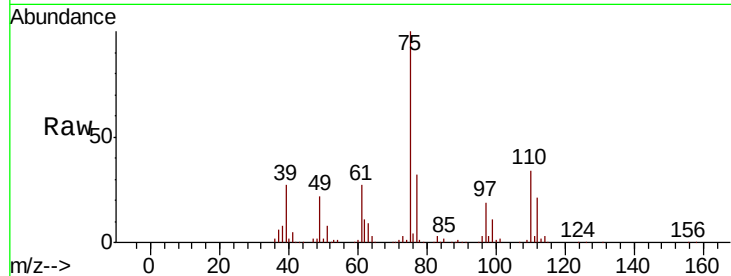




#81
trans-1,4-Dichloro-2-butene
Concen: 181.228 ug/l
RT: 10.49 min Scan# 2899
Delta R.T. -0.02 min
Lab File: VU028081.D
Acq: 13 Nov 2018 10:37

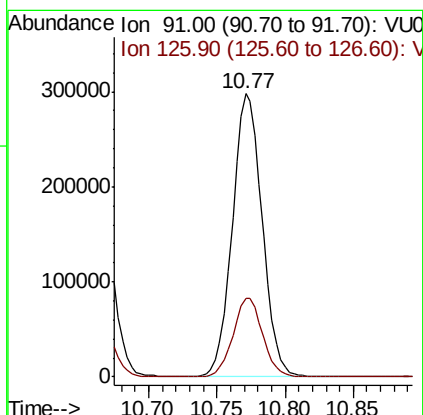
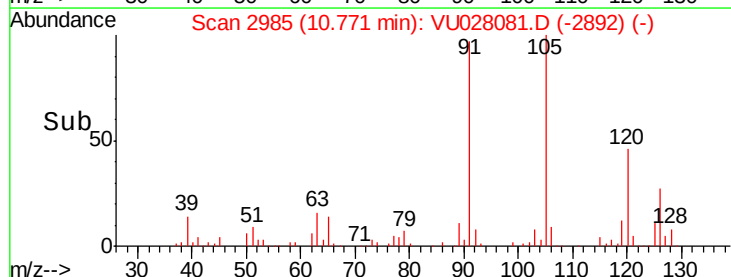
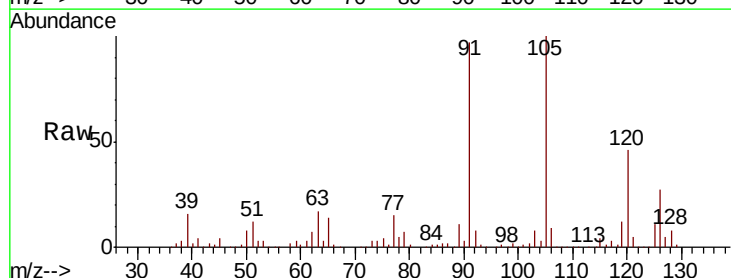
Instrument :
MSVOA_U
ClientSampled :

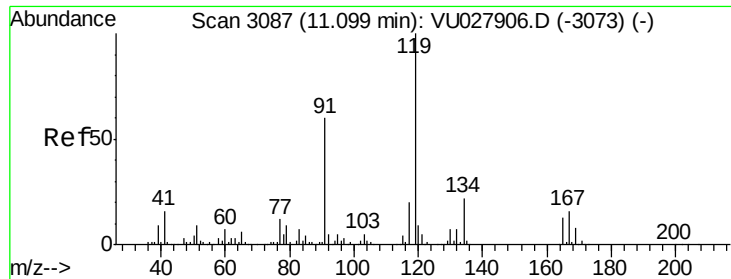
Tot Ion: 75 Resp: 265274
Ion Ratio Lower Upper
75 100
53 0.0 0.0 0.0
89 0.0 0.0 0.0



#82
4-Chlorotoluene
Concen: 53.493 ug/l
RT: 10.77 min Scan# 2985
Delta R.T. 0.00 min
Lab File: VU028081.D
Acq: 13 Nov 2018 10:37

Tgt Ion: 91 Resp: 449292
Ion Ratio Lower Upper
91 100
126 27.8 14.2 42.6

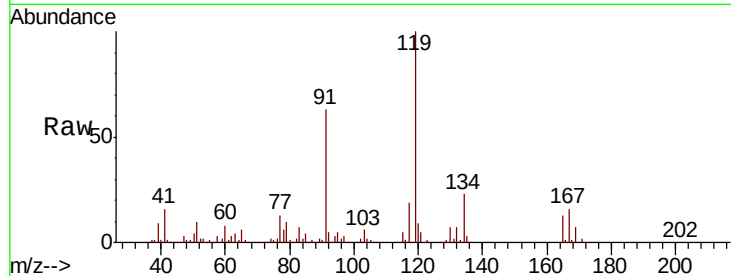




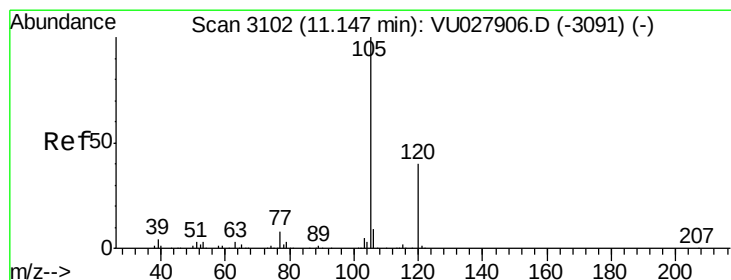
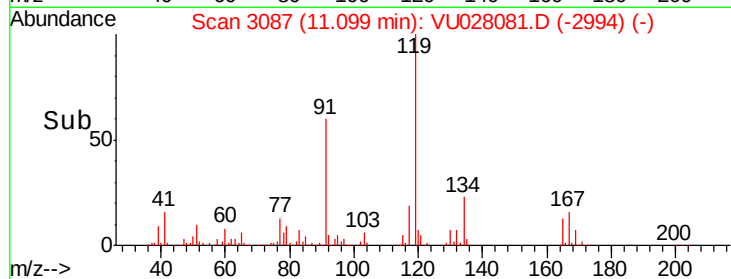
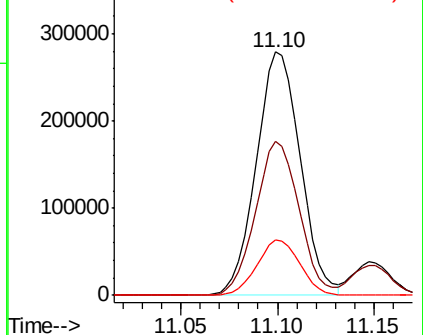
#83
 tert-Butylbenzene
 Concen: 51.823 ug/l
 RT: 11.10 min Scan# 3087
 Delta R.T. -0.00 min
 Lab File: VU028081.D
 Acq: 13 Nov 2018 10:37

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
119	100		
91	62.2	29.8	89.3
134	22.1	11.1	33.1

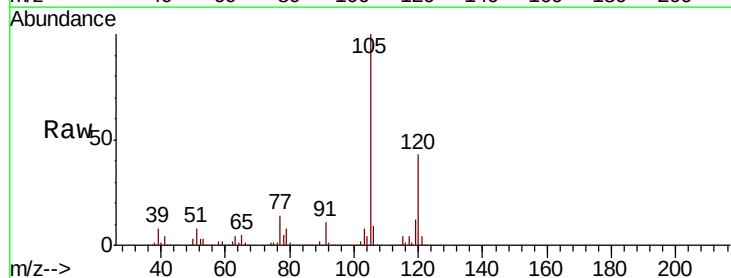


Abundance Ion 119.00 (118.70 to 119.70): V
 Ion 91.00 (90.70 to 91.70): V
 Ion 134.00 (133.70 to 134.70): V

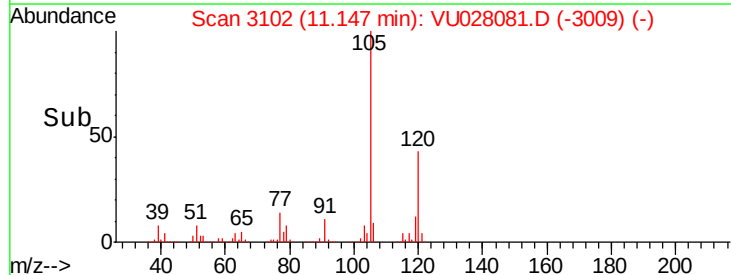
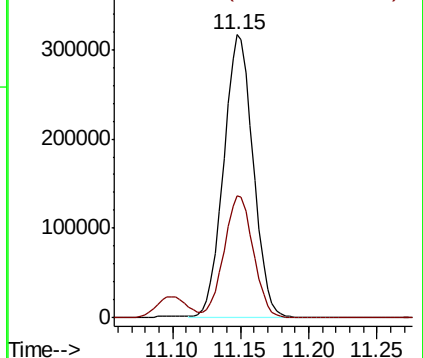


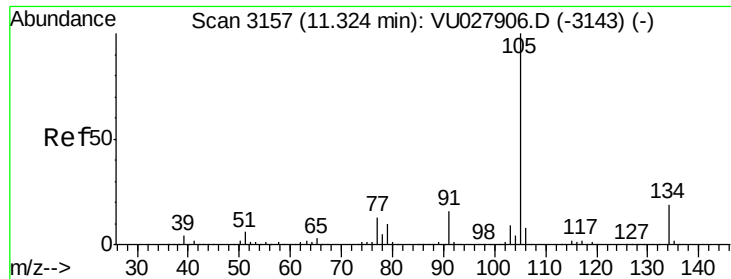
#84
 1,2,4-Trimethylbenzene
 Concen: 55.195 ug/l
 RT: 11.15 min Scan# 3102
 Delta R.T. 0.00 min
 Lab File: VU028081.D
 Acq: 13 Nov 2018 10:37

Tgt Ion	Ratio	Lower	Upper
105	100		
120	42.9	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: 55.052 ug/l

RT: 11.32 min Scan# 3157

Delta R.T. 0.00 min

Lab File: VU028081.D

Acq: 13 Nov 2018 10:37

Instrument :

MSVOA_U

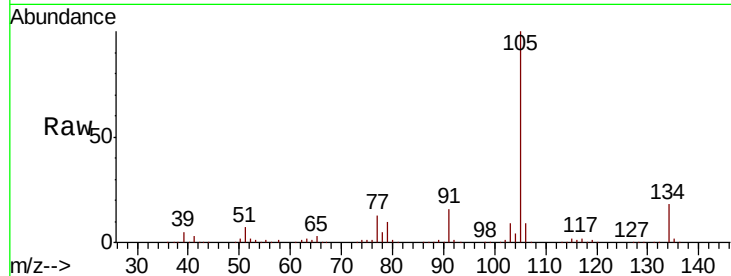
ClientSampleId :

Tot Ion:105 Resp: 571729

Ion Ratio Lower Upper

105 100

134 18.1 9.2 27.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

11.32

400000

300000

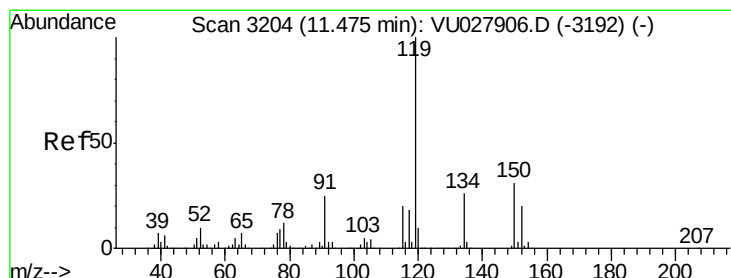
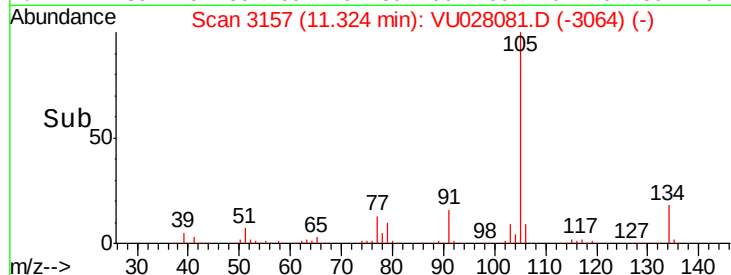
200000

100000

0

Time-->

11.25 11.30 11.35 11.40



#86

p-Isopropyltoluene

Concen: 54.951 ug/l

RT: 11.48 min Scan# 3204

Delta R.T. 0.00 min

Lab File: VU028081.D

Acq: 13 Nov 2018 10:37

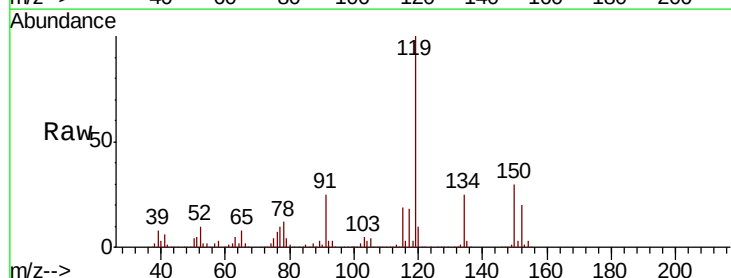
Tgt Ion:119 Resp: 477074

Ion Ratio Lower Upper

119 100

134 25.6 12.9 38.7

91 25.4 12.4 37.2



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VU0

400000

300000

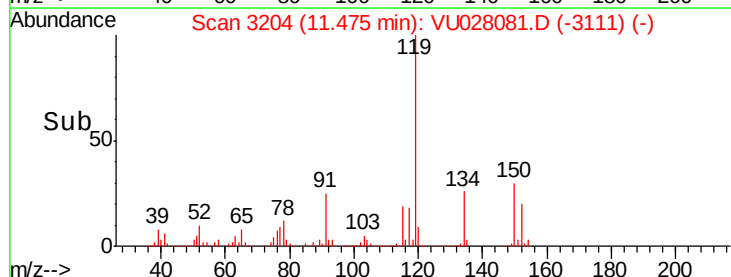
200000

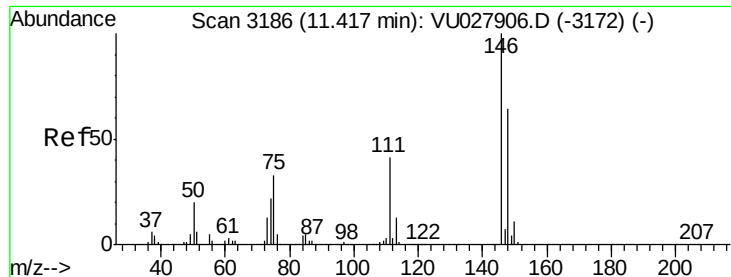
100000

0

Time-->

11.40 11.45 11.50 11.55





#87

1,3-Dichlorobenzene

Concen: 53.567 ug/l

RT: 11.42 min Scan# 3186

Delta R.T. 0.00 min

Lab File: VU028081.D

Acq: 13 Nov 2018 10:37

Instrument :

MSVOA_U

ClientSampleId :

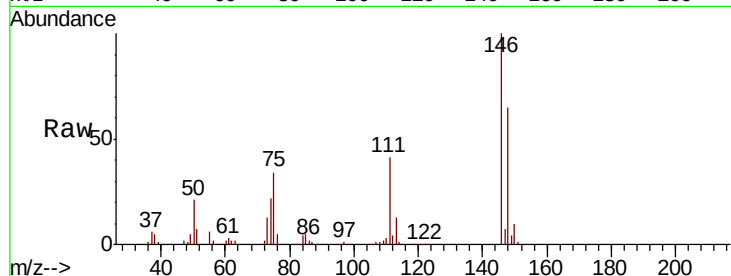
Tot Ion:146 Resp: 233966

Ion Ratio Lower Upper

146 100

111 40.9 20.3 61.0

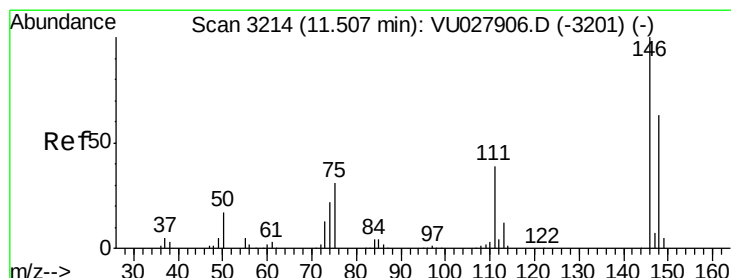
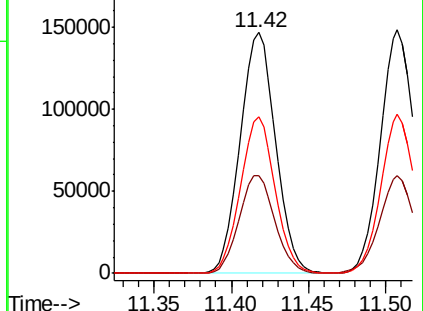
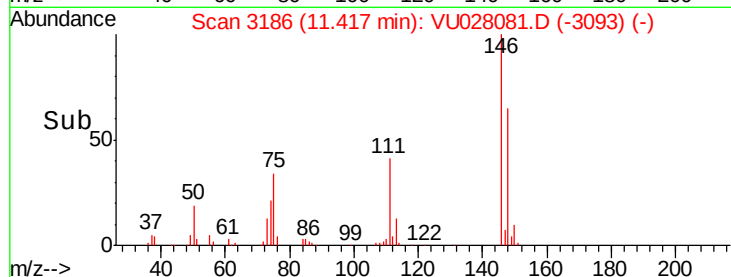
148 63.4 31.8 95.4



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#88

1,4-Dichlorobenzene

Concen: 51.438 ug/l

RT: 11.51 min Scan# 3214

Delta R.T. 0.00 min

Lab File: VU028081.D

Acq: 13 Nov 2018 10:37

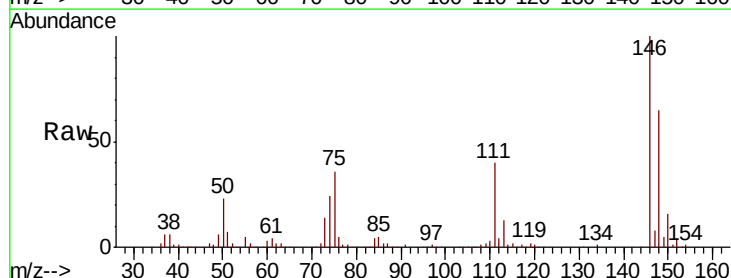
Tgt Ion:146 Resp: 230278

Ion Ratio Lower Upper

146 100

111 40.3 20.3 60.9

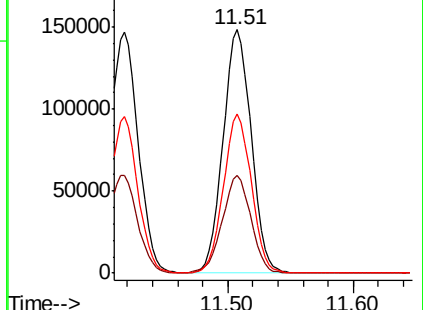
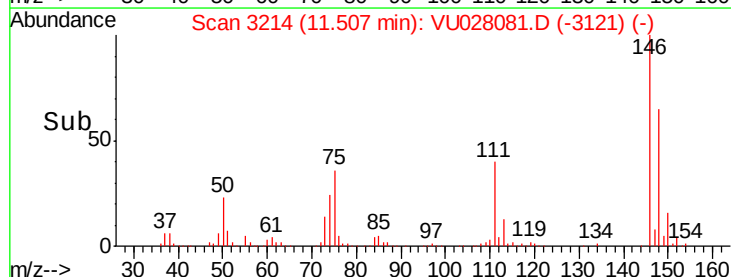
148 65.1 32.0 96.2

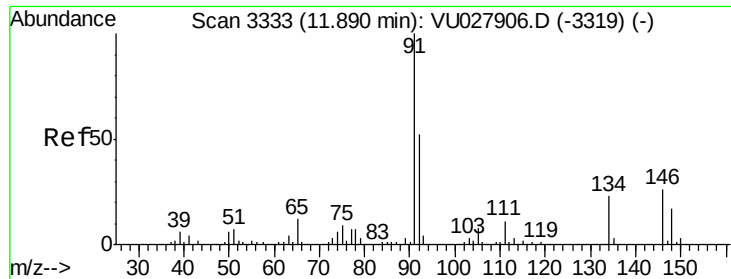


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V





#89

n-Butylbenzene

Concen: 56.436 ug/l

RT: 11.89 min Scan# 3333

Delta R.T. 0.00 min

Lab File: VU028081.D

Acq: 13 Nov 2018 10:37

Instrument :

MSVOA_U

ClientSampleId :

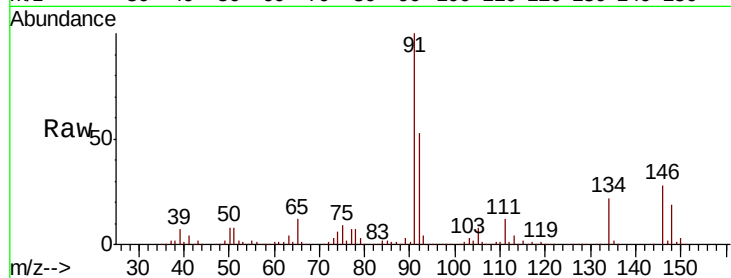
Tot Ion: 91 Resp: 465652

Ion Ratio Lower Upper

91 100

92 52.2 26.2 78.5

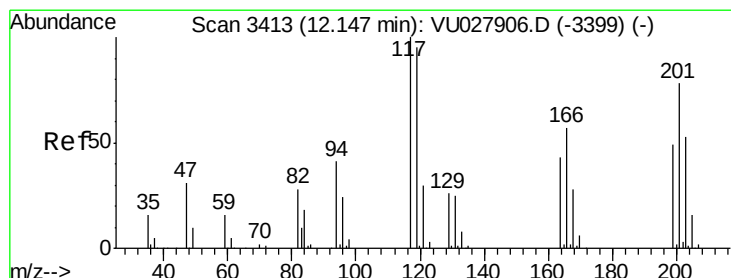
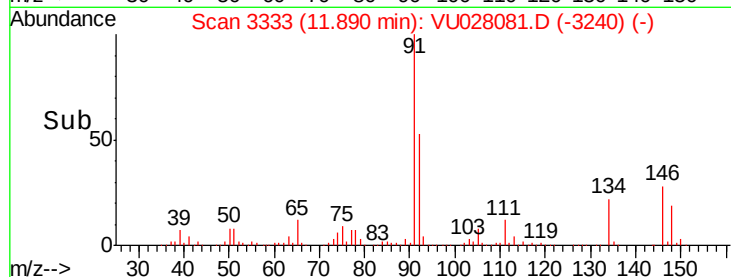
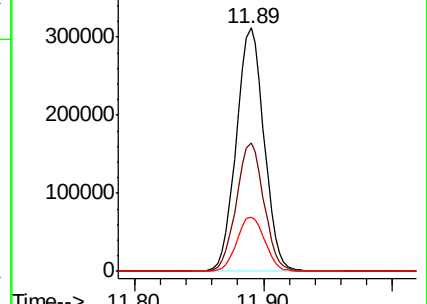
134 22.5 11.5 34.5



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: 56.337 ug/l

RT: 12.15 min Scan# 3413

Delta R.T. 0.00 min

Lab File: VU028081.D

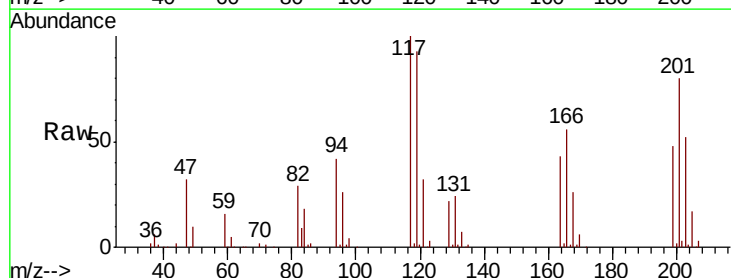
Acq: 13 Nov 2018 10:37

Tgt Ion: 117 Resp: 87079

Ion Ratio Lower Upper

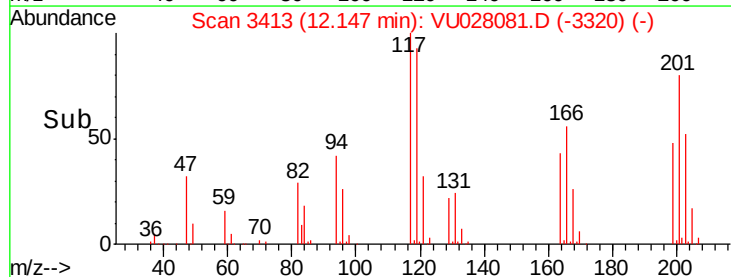
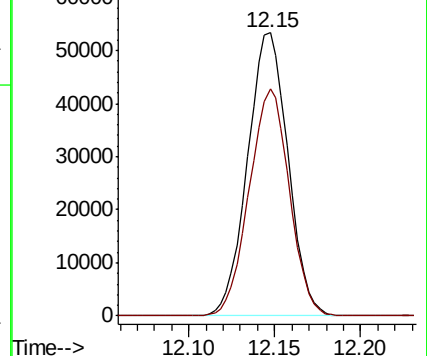
117 100

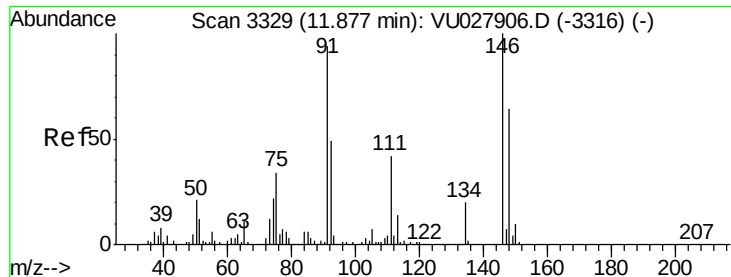
201 79.3 38.5 115.5



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: 54.058 ug/l

RT: 11.88 min Scan# 3330

Delta R.T. 0.00 min

Lab File: VU028081.D

Acq: 13 Nov 2018 10:37

Instrument :

MSVOA_U

ClientSampleId :

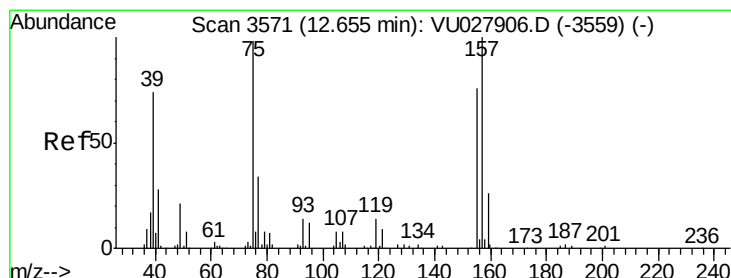
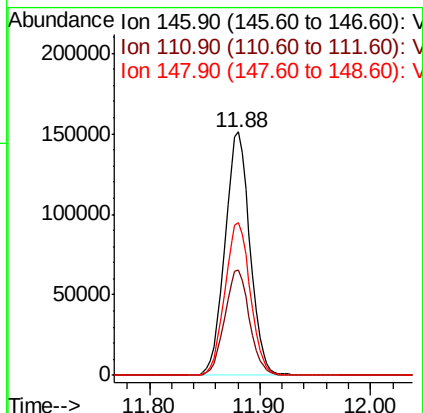
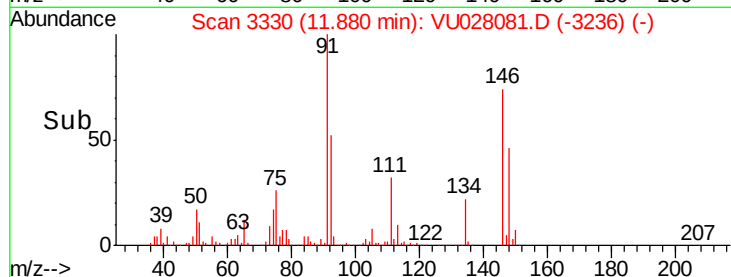
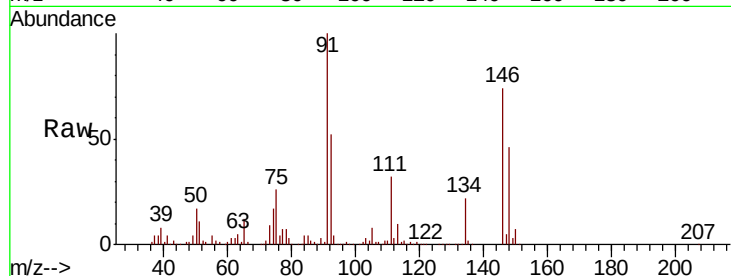
Tot Ion:146 Resp: 237440

Ion Ratio Lower Upper

146 100

111 43.0 21.3 64.0

148 63.9 31.8 95.3



#92

1,2-Dibromo-3-Chloropropane

Concen: 57.063 ug/l

RT: 12.66 min Scan# 3571

Delta R.T. 0.00 min

Lab File: VU028081.D

Acq: 13 Nov 2018 10:37

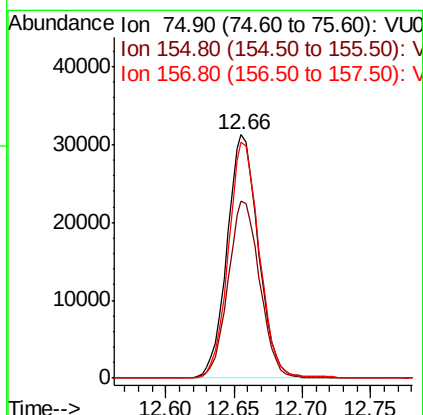
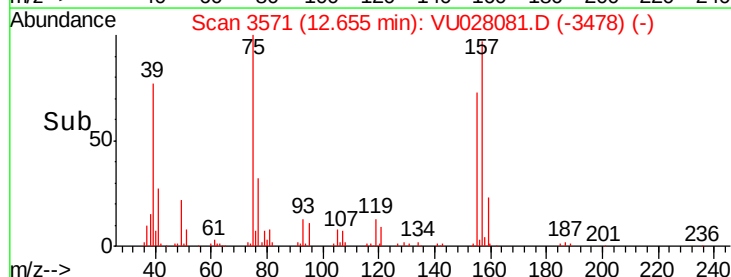
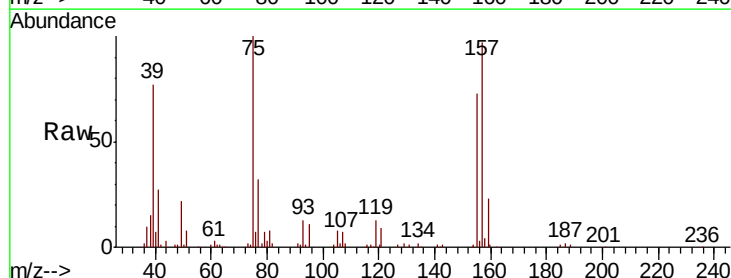
Tgt Ion: 75 Resp: 50011

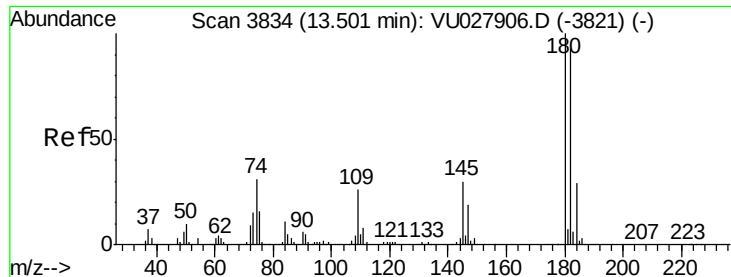
Ion Ratio Lower Upper

75 100

155 73.0 39.8 119.3

157 95.0 50.6 151.9

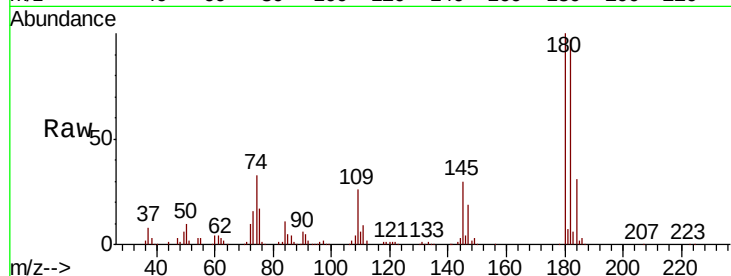




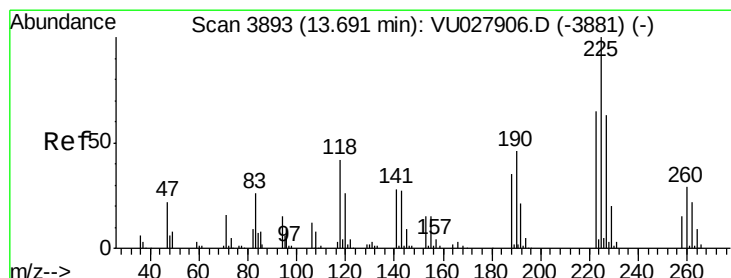
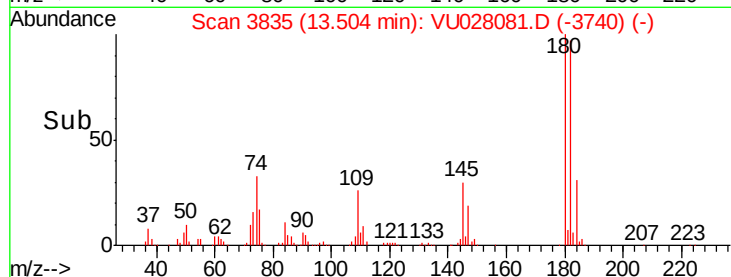
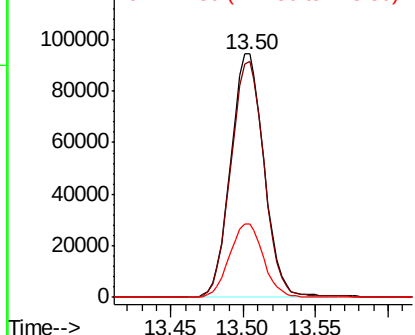
#93
 1,2,4-Trichlorobenzene
 Concen: 49.010 ug/l
 RT: 13.50 min Scan# 3835
 Delta R.T. 0.00 min
 Lab File: VU028081.D
 Acq: 13 Nov 2018 10:37

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion:180 Resp: 150928
 Ion Ratio Lower Upper
 180 100
 182 96.8 48.4 145.2
 145 30.5 14.9 44.5

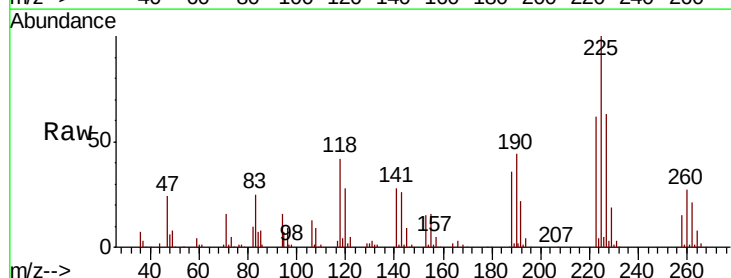


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

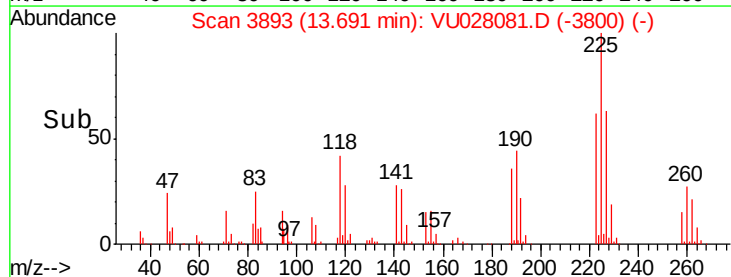
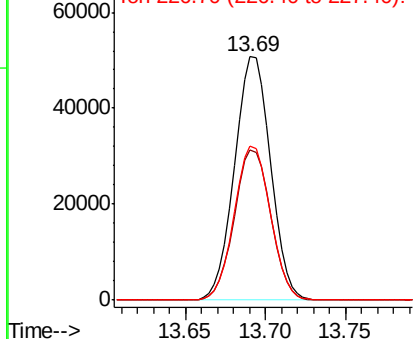


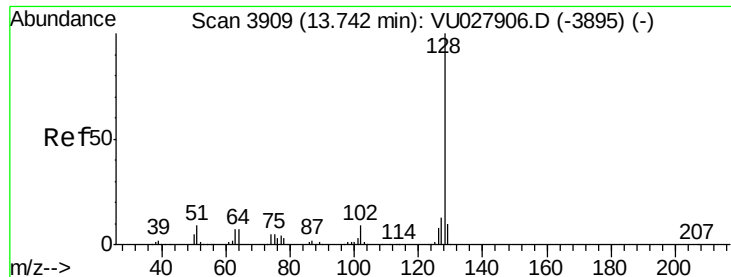
#94
 Hexachlorobutadiene
 Concen: 55.749 ug/l
 RT: 13.69 min Scan# 3893
 Delta R.T. 0.00 min
 Lab File: VU028081.D
 Acq: 13 Nov 2018 10:37

Tgt Ion:225 Resp: 77824
 Ion Ratio Lower Upper
 225 100
 223 62.7 32.2 96.6
 227 63.4 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

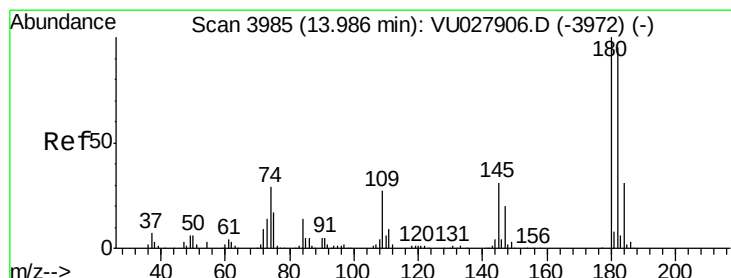
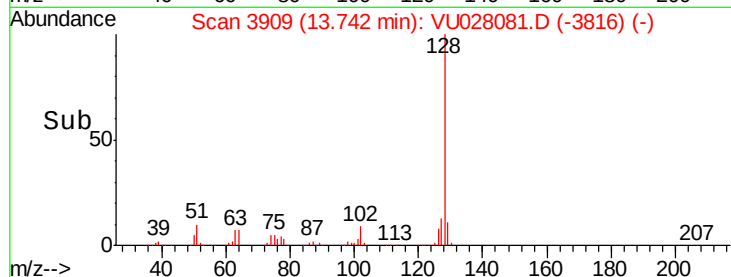
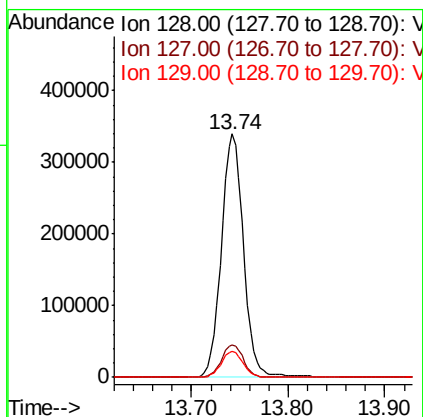
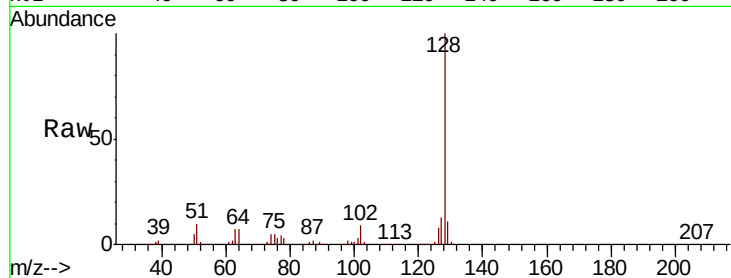




#95
Naphthalene
Concen: 49.414 ug/l
RT: 13.74 min Scan# 3909
Delta R.T. 0.00 min
Lab File: VU028081.D
Acq: 13 Nov 2018 10:37

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion:128 Resp: 539531
Ion Ratio Lower Upper
128 100
127 13.4 10.4 15.6
129 10.4 8.3 12.5



#96
1,2,3-Trichlorobenzene
Concen: 53.459 ug/l
RT: 13.99 min Scan# 3985
Delta R.T. 0.00 min
Lab File: VU028081.D
Acq: 13 Nov 2018 10:37

Tgt Ion:180 Resp: 157562
Ion Ratio Lower Upper
180 100
182 96.3 47.4 142.3
145 31.4 16.0 47.9

