

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U091218\
 Data File : VU026691.D
 Acq On : 12 Sep 2018 08:46
 Operator : MD/SY
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Sep 13 06:48:04 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U091218W.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 12 05:32:45 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.98	168	138384	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	205079	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	194234	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	115167	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.31	65	95351	45.42	ug/l	0.00
Spiked Amount			Recovery	=	90.84%	
35) Dibromofluoromethane	4.88	113	82675	49.42	ug/l	0.00
Spiked Amount			Recovery	=	98.84%	
50) Toluene-d8	7.57	98	302834	48.95	ug/l	0.00
Spiked Amount			Recovery	=	97.90%	
62) 4-Bromofluorobenzene	10.31	95	110840	49.43	ug/l	0.00
Spiked Amount			Recovery	=	98.86%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	67495	45.14	ug/l	100
3) Chloromethane	1.33	50	89877	43.03	ug/l	98
4) Vinyl Chloride	1.40	62	97869	45.21	ug/l	100
5) Bromomethane	1.61	94	57066	42.09	ug/l	99
6) Chloroethane	1.69	64	61283	44.48	ug/l	99
7) Trichlorofluoromethane	1.88	101	126993	44.88	ug/l	99
8) Diethyl Ether	2.10	74	56508	45.57	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	2.28	101	80013	47.61	ug/l	98
10) Methyl Iodide	2.41	142	69437	46.05	ug/l	98
11) Tert butyl alcohol	2.83	59	103420	202.12	ug/l	99
12) 1,1-Dichloroethene	2.28	96	75538	47.55	ug/l	97
13) Acrolein	2.19	56	63851	185.17	ug/l	100
14) Allyl chloride	2.59	41	130517	45.61	ug/l	97
15) Acrylonitrile	2.94	53	256955	234.16	ug/l	100
16) Acetone	2.32	43	249848	210.22	ug/l	99
17) Carbon Disulfide	2.47	76	220396	43.60	ug/l	99
18) Methyl Acetate	2.61	43	118274	46.12	ug/l	97
19) Methyl tert-butyl Ether	3.00	73	265593	48.55	ug/l	98
20) Methylene Chloride	2.70	84	87890	45.59	ug/l	98
21) trans-1,2-Dichloroethene	2.98	96	79082	47.25	ug/l	96
22) Diisopropyl ether	3.57	45	284107	47.57	ug/l	98
23) Vinyl Acetate	3.52	43	1211855	238.89	ug/l	99
24) 1,1-Dichloroethane	3.44	63	156413	46.43	ug/l	99
25) 2-Butanone	4.26	43	360941	225.45	ug/l	98
26) 2,2-Dichloropropane	4.22	77	128186	46.29	ug/l	100
27) cis-1,2-Dichloroethene	4.22	96	91784	47.58	ug/l	98
28) Bromochloromethane	4.55	49	73852	45.84	ug/l	94
29) Tetrahydrofuran	4.64	42	219489	227.40	ug/l	97
30) Chloroform	4.67	83	152832	46.13	ug/l	100
31) Cyclohexane	5.00	56	141965	46.13	ug/l	100
32) 1,1,1-Trichloroethane	4.92	97	131763	48.04	ug/l	97
36) 1,1-Dichloropropene	5.14	75	117402	50.99	ug/l	99
37) Ethyl Acetate	4.38	43	128022	46.24	ug/l	98
38) Carbon Tetrachloride	5.13	117	116173	47.76	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.42	83	141581	51.79	ug/l	99
40) Benzene	5.39	78	348654	48.76	ug/l	99
41) Methacrylonitrile	4.54	41	71725	46.03	ug/l	98
42) 1,2-Dichloroethane	5.40	62	120262	47.17	ug/l	99
43) Isopropyl Acetate	5.55	43	209537	49.70	ug/l	99
44) Trichloroethene	6.19	130	88781	50.17	ug/l	96
45) 1,2-Dichloropropane	6.43	63	96020	49.40	ug/l	97
46) Dibromomethane	6.56	93	62028	49.45	ug/l	96
47) Bromodichloromethane	6.76	83	119801	48.50	ug/l	99
48) Methyl methacrylate	6.62	41	104188	45.34	ug/l	97
49) 1,4-Dioxane	6.61	88	46710	887.69	ug/l	96
51) 4-Methyl-2-Pentanone	7.46	43	671171	238.00	ug/l	99
52) Toluene	7.64	92	214794	50.43	ug/l	99
53) t-1,3-Dichloropropene	7.88	75	137023	50.01	ug/l	100
54) cis-1,3-Dichloropropene	7.27	75	147572	50.16	ug/l	99
55) 1,1,2-Trichloroethane	8.07	97	88536	48.51	ug/l	99
56) Ethyl methacrylate	8.02	69	138648	45.38	ug/l	97
57) 1,3-Dichloropropane	8.24	76	153007	49.19	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.13	63	337573	231.28	ug/l	98
59) 2-Hexanone	8.36	43	520089	234.34	ug/l	98
60) Dibromochloromethane	8.48	129	97535	49.35	ug/l	99
61) 1,2-Dibromoethane	8.59	107	96777	48.87	ug/l	98
64) Tetrachloroethene	8.23	164	78975	51.09	ug/l	98
65) Chlorobenzene	9.12	112	241024	49.95	ug/l	99
66) 1,1,1,2-Tetrachloroethane	9.21	131	87992	49.56	ug/l	99
67) Ethyl Benzene	9.25	91	414751	52.18	ug/l	100
68) m/p-Xylenes	9.38	106	321126	106.20	ug/l	99
69) o-Xylene	9.78	106	156095	48.36	ug/l	99
70) Styrene	9.79	104	259083	47.69	ug/l	100
71) Bromoform	9.96	173	79616	51.56	ug/l #	99
73) Isopropylbenzene	10.17	105	417663	53.22	ug/l	100
74) N-amyl acetate	10.02	43	190518	51.42	ug/l	99
75) 1,1,2,2-Tetrachloroethane	10.46	83	148950	46.57	ug/l	99
76) 1,2,3-Trichloropropane	10.49	75	171713	66.56	ug/l	81
77) Bromobenzene	10.45	156	108738	50.98	ug/l	98
78) n-propylbenzene	10.59	91	494426	54.17	ug/l	99
79) 2-Chlorotoluene	10.66	91	289923	51.24	ug/l	99
80) 1,3,5-Trimethylbenzene	10.77	105	354479	53.74	ug/l	99
81) trans-1,4-Dichloro-2-buten	10.49	75	171713	144.73	ug/l #	100
82) 4-Chlorotoluene	10.77	91	335500	52.77	ug/l	99
83) tert-Butylbenzene	11.10	119	353004	52.73	ug/l	100
84) 1,2,4-Trimethylbenzene	11.15	105	361208	54.29	ug/l	100
85) sec-Butylbenzene	11.33	105	432366	54.39	ug/l	100
86) p-Isopropyltoluene	11.48	119	384509	50.30	ug/l	99
87) 1,3-Dichlorobenzene	11.42	146	198628	49.92	ug/l	99
88) 1,4-Dichlorobenzene	11.51	146	201398	48.74	ug/l	100
89) n-Butylbenzene	11.89	91	344140	49.12	ug/l	98
90) Hexachloroethane	12.15	117	69389	49.46	ug/l	97
91) 1,2-Dichlorobenzene	11.88	146	198229	49.52	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	12.66	75	32372	50.48	ug/l	96

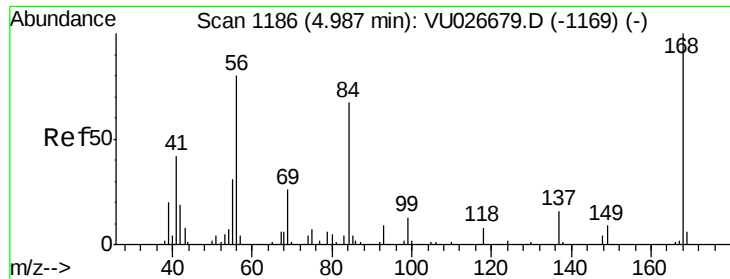
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QLast Update : Wed Sep 12 05:32:45 2018
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.50	180	145178	54.62	ug/l	99
94) Hexachlorobutadiene	13.69	225	71626	52.38	ug/l	99
95) Naphthalene	13.74	128	450358	50.36	ug/l	100
96) 1,2,3-Trichlorobenzene	13.99	180	151140	54.44	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 4.98 min Scan# 1185

Delta R.T. -0.00 min

Lab File: VU026691.D

Acq: 12 Sep 2018 08:46

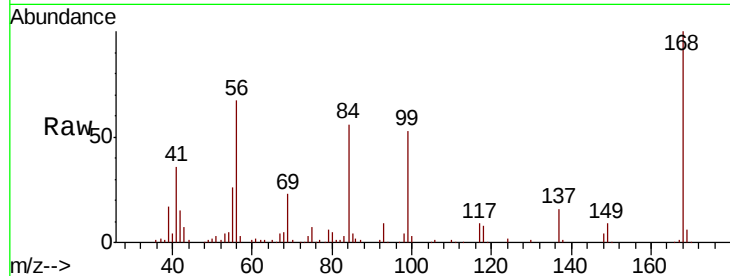
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion:168 Resp: 138384

Ion Ratio Lower Upper

168 100

99 52.4 42.0 63.0



Abundance Ion 167.90 (167.60 to 168.60): VU026691.D (-1169) (-)

Ion 98.90 (98.60 to 99.60): VU026691.D (-1169) (-)

4.98

60000

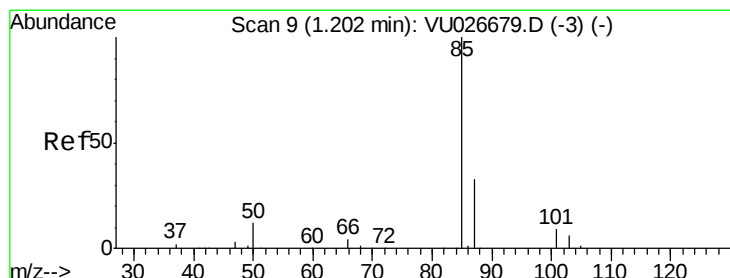
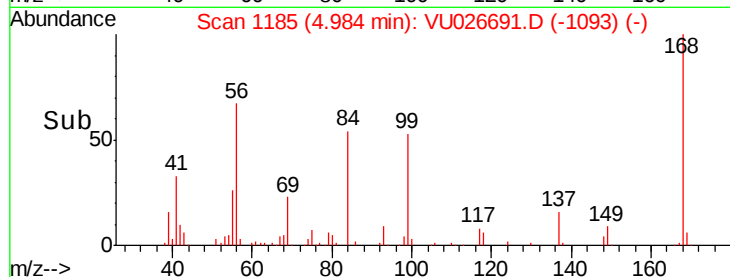
40000

20000

0

4.90 4.95 5.00 5.05 5.10

Time-->



#2

Dichlorodifluoromethane

Concen: 45.14 ug/l

RT: 1.20 min Scan# 9

Delta R.T. 0.00 min

Lab File: VU026691.D

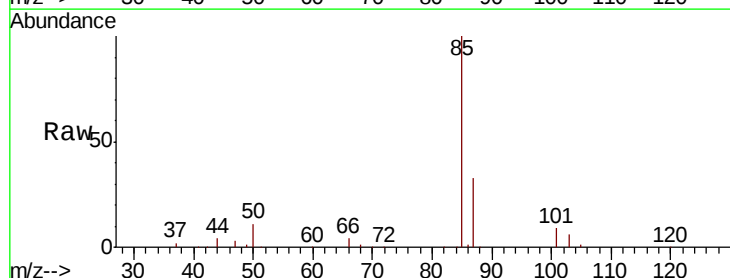
Acq: 12 Sep 2018 08:46

Tgt Ion: 85 Resp: 67495

Ion Ratio Lower Upper

85 100

87 32.9 16.6 49.7



Abundance Ion 84.90 (84.60 to 85.60): VU026691.D (-1) (-)

Ion 86.90 (86.60 to 87.60): VU026691.D (-1) (-)

1.20

60000

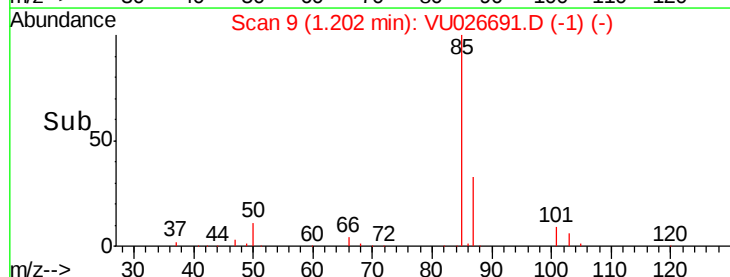
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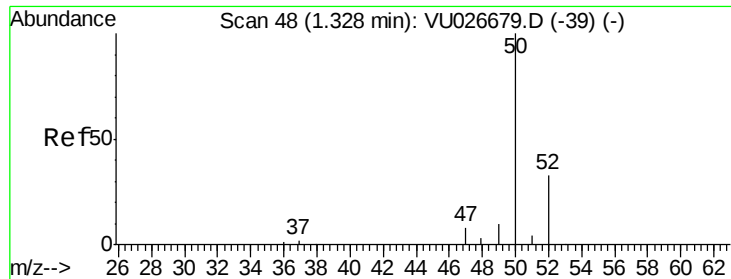
20000

0

1.15 1.20 1.25

Time-->

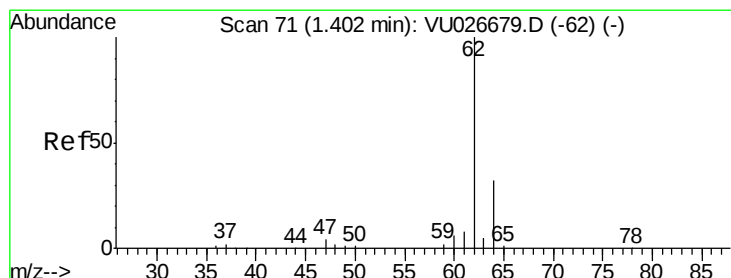
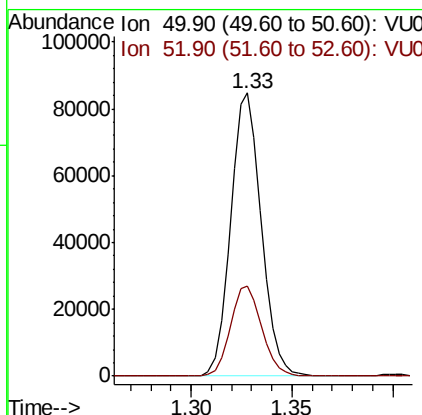
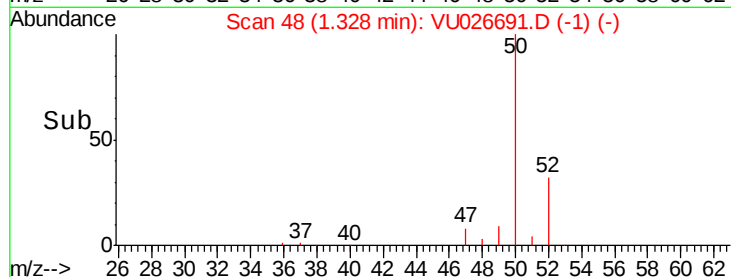
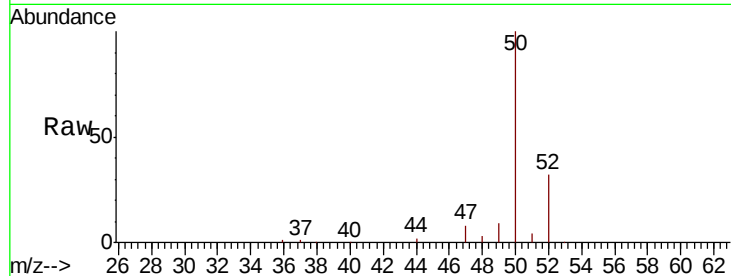




#3
 Chloromethane
 Concen: 43.03 ug/l
 RT: 1.33 min Scan# 48
 Delta R.T. 0.00 min
 Lab File: VU026691.D
 Acq: 12 Sep 2018 08:46

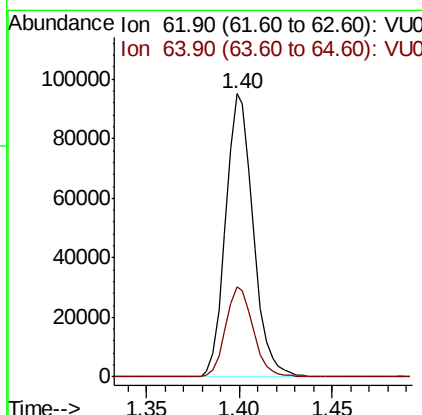
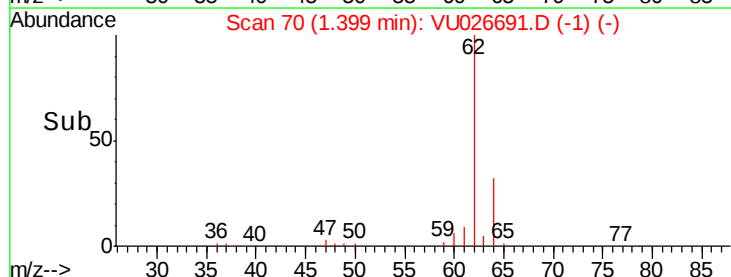
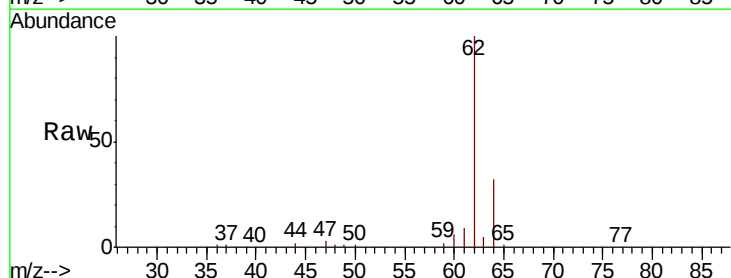
Instrument :
 MSVOA_U
 ClientSampled :

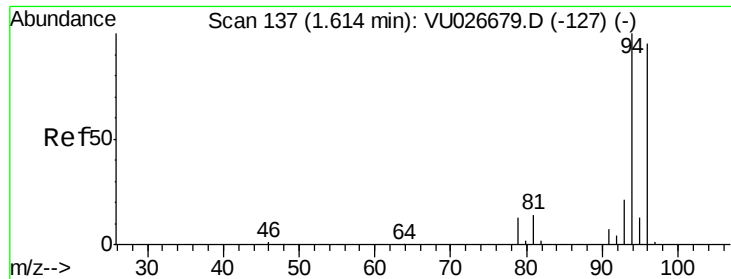
Tot Ion: 50 Resp: 89877
 Ion Ratio Lower Upper
 50 100
 52 31.9 26.3 39.5



#4
 Vinyl Chloride
 Concen: 45.21 ug/l
 RT: 1.40 min Scan# 70
 Delta R.T. -0.00 min
 Lab File: VU026691.D
 Acq: 12 Sep 2018 08:46

Tgt Ion: 62 Resp: 97869
 Ion Ratio Lower Upper
 62 100
 64 32.0 25.6 38.4





#5

Bromomethane

Concen: 42.09 ug/l

RT: 1.61 min Scan# 137

Delta R.T. 0.00 min

Lab File: VU026691.D

Acq: 12 Sep 2018 08:46

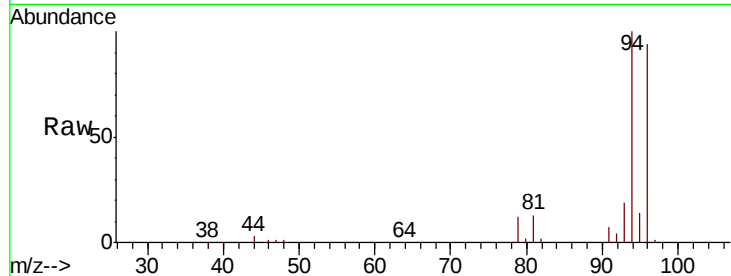
Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 94 Resp: 57066

Ion Ratio Lower Upper

94 100

96 93.6 75.8 113.6



Abundance Ion 93.90 (93.60 to 94.60): VU026679.D (-127) (-)

Ion 95.90 (95.60 to 96.60): VU026679.D (-127) (-)

1.61

50000

40000

30000

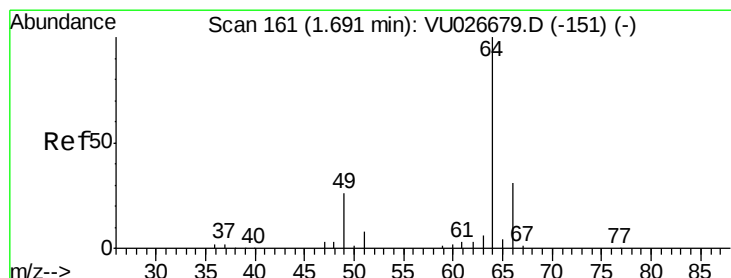
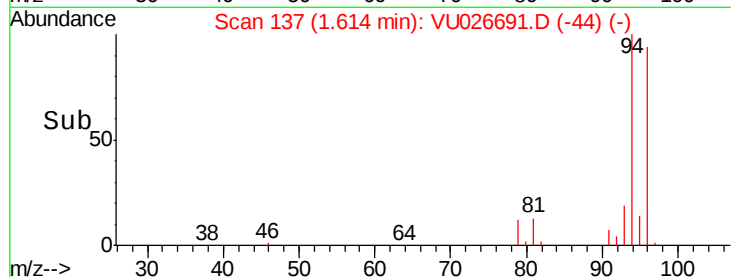
20000

10000

0

1.55 1.60 1.65 1.70

Time-->



#6

Chloroethane

Concen: 44.48 ug/l

RT: 1.69 min Scan# 161

Delta R.T. 0.00 min

Lab File: VU026691.D

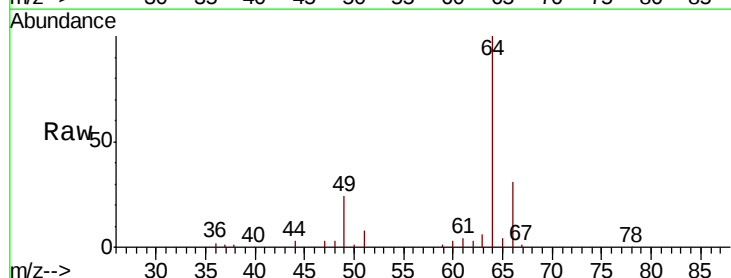
Acq: 12 Sep 2018 08:46

Tgt Ion: 64 Resp: 61283

Ion Ratio Lower Upper

64 100

66 31.5 24.7 37.1



Abundance Ion 63.90 (63.60 to 64.60): VU026679.D (-151) (-)

Ion 65.90 (65.60 to 66.60): VU026679.D (-151) (-)

1.69

50000

40000

30000

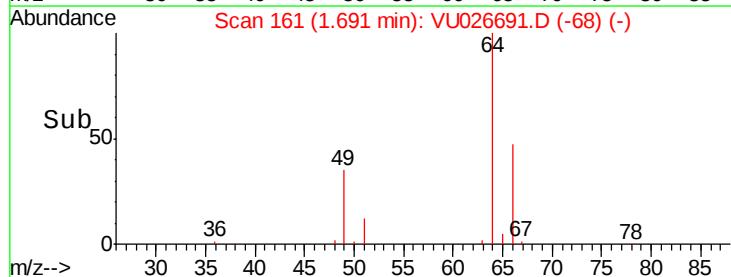
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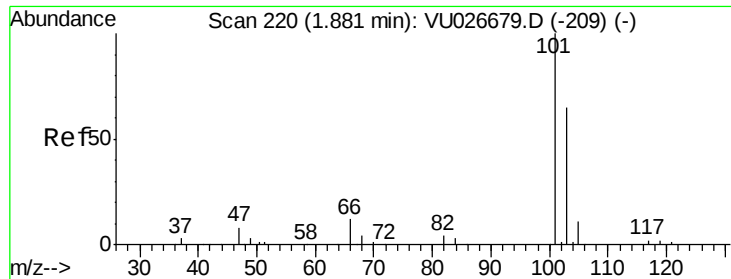
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0

1.60 1.65 1.70 1.75 1.80

Time-->



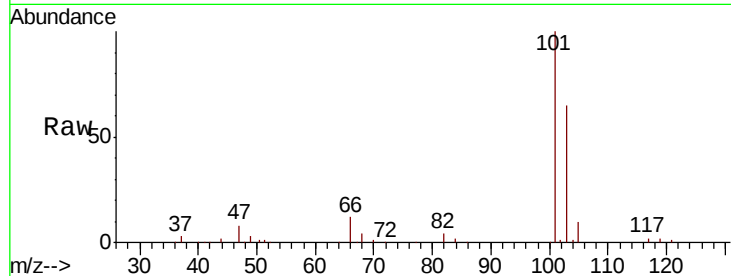


#7

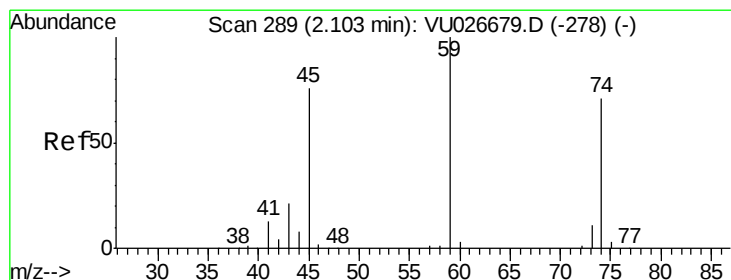
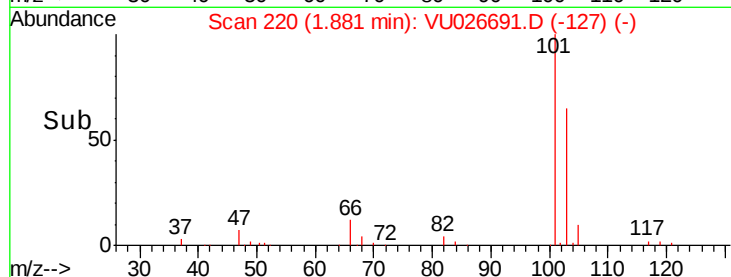
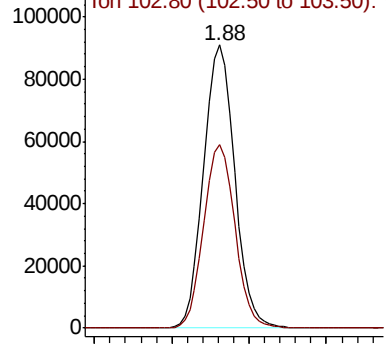
Trichlorofluoromethane
 Concen: 44.88 ug/l
 RT: 1.88 min Scan# 220
 Delta R.T. 0.00 min
 Lab File: VU026691.D
 Acq: 12 Sep 2018 08:46

Instrument :
 MSVOA_U
 ClientSampled :

Tot Ion:101 Resp: 126993
 Ion Ratio Lower Upper
 101 100
 103 65.0 51.7 77.5



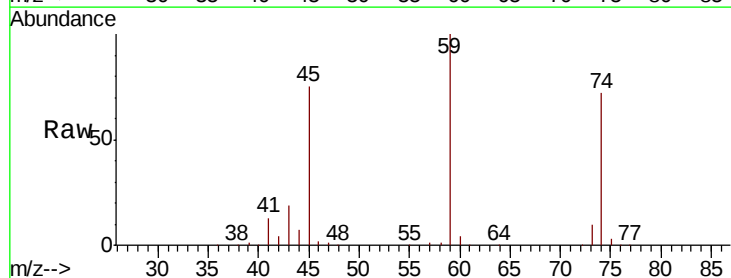
Abundance Ion 100.90 (100.60 to 101.60): V
 Ion 102.80 (102.50 to 103.50): V



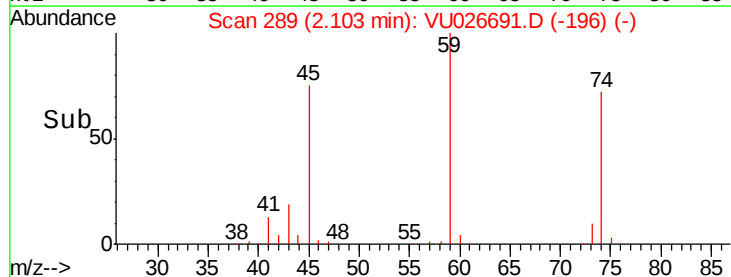
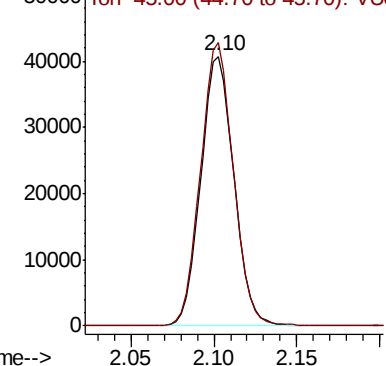
#8

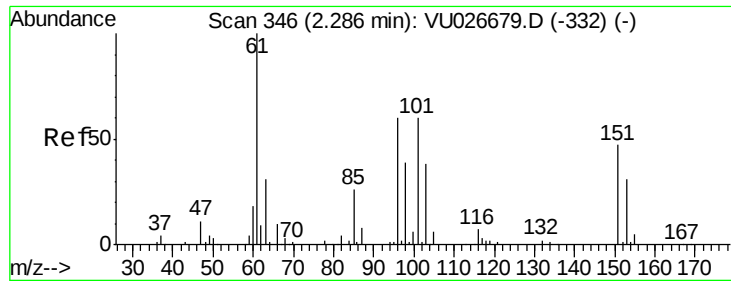
Diethyl Ether
 Concen: 45.57 ug/l
 RT: 2.10 min Scan# 289
 Delta R.T. 0.00 min
 Lab File: VU026691.D
 Acq: 12 Sep 2018 08:46

Tgt Ion: 74 Resp: 56508
 Ion Ratio Lower Upper
 74 100
 45 104.5 53.6 160.8



Abundance Ion 74.00 (73.70 to 74.70): VU0
 Ion 45.00 (44.70 to 45.70): VU0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 47.61 ug/l

RT: 2.28 min Scan# 345

Delta R.T. -0.00 min

Lab File: VU026691.D

Acq: 12 Sep 2018 08:46

Instrument :

MSVOA_U

ClientSampleId :

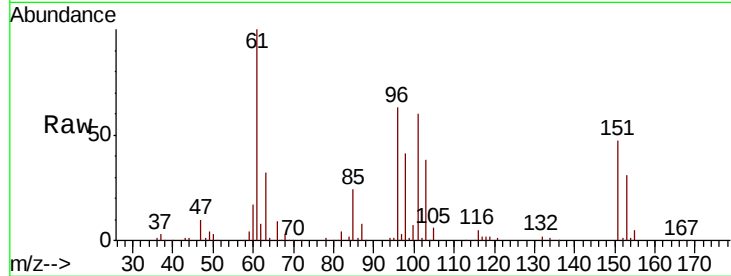
Tot Ion:101 Resp: 80013

Ion Ratio Lower Upper

101 100

85 41.5 34.6 52.0

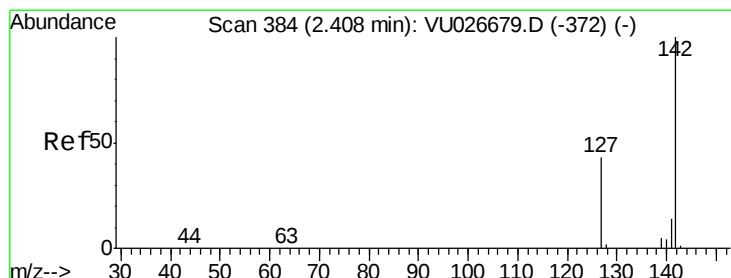
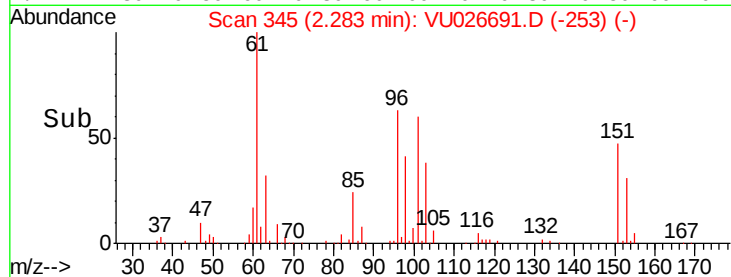
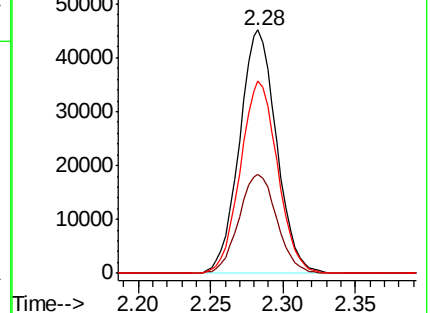
151 79.6 62.7 94.1



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: 46.05 ug/l

RT: 2.41 min Scan# 384

Delta R.T. 0.00 min

Lab File: VU026691.D

Acq: 12 Sep 2018 08:46

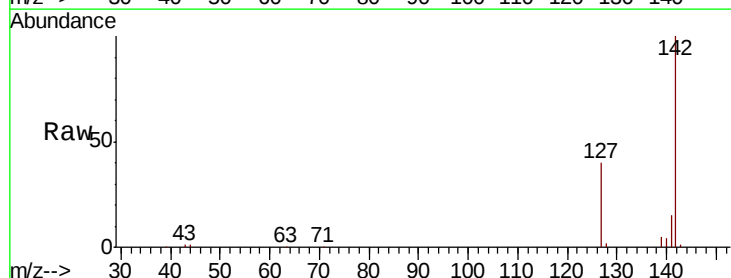
Tgt Ion:142 Resp: 69437

Ion Ratio Lower Upper

142 100

127 40.7 34.1 51.1

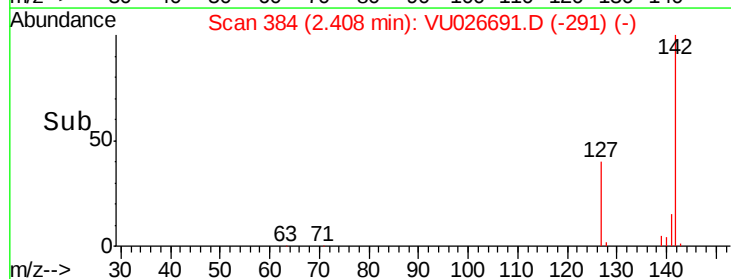
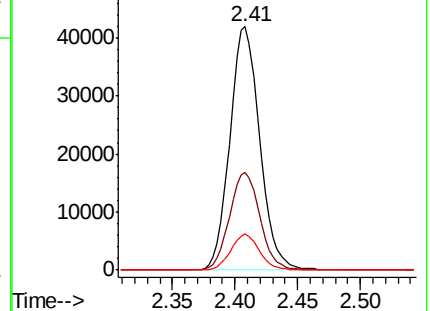
141 14.0 11.2 16.8

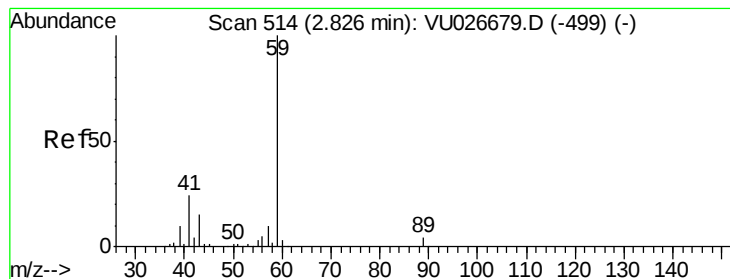


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



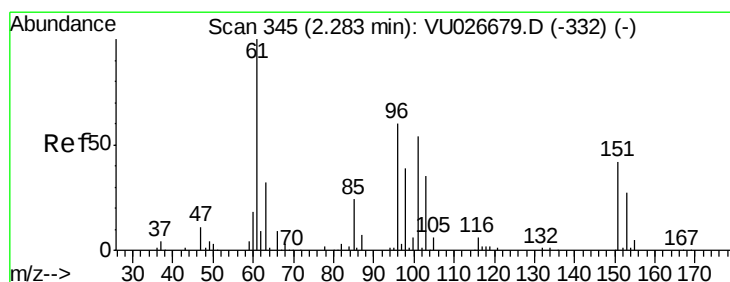
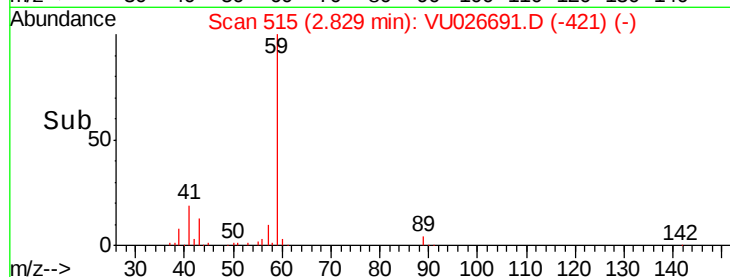
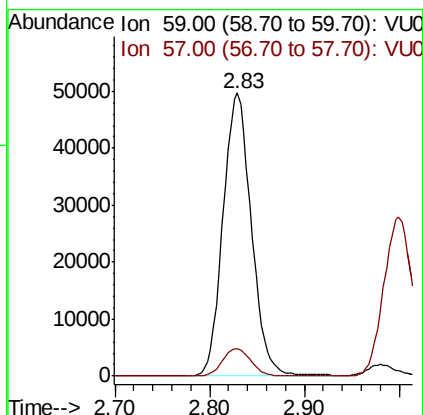
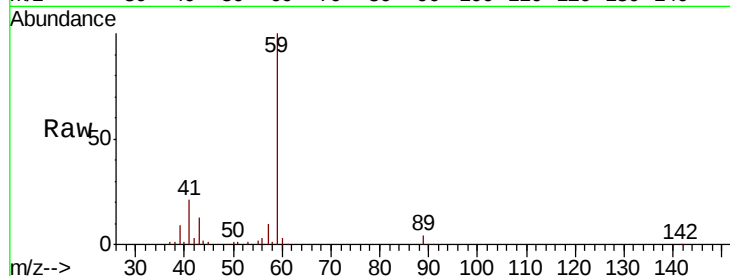


#11

Tert butyl alcohol
 Concen: 202.12 ug/l
 RT: 2.83 min Scan# 515
 Delta R.T. 0.00 min
 Lab File: VU026691.D
 Acq: 12 Sep 2018 08:46

Instrument :
 MSVOA_U
 ClientSampled :

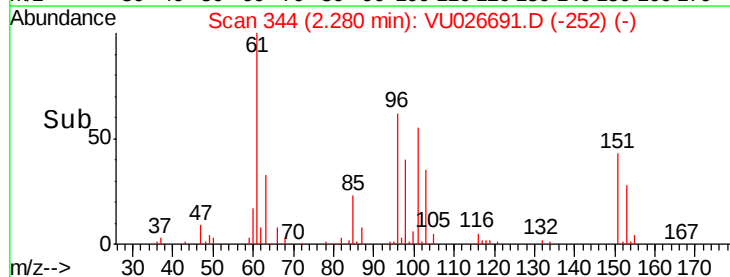
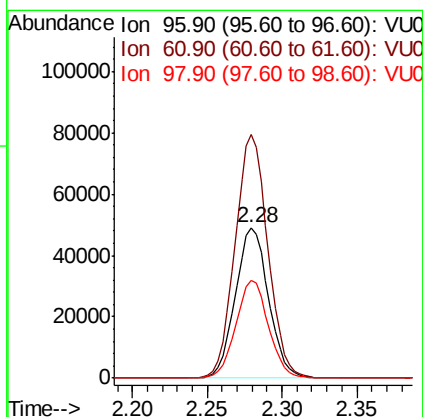
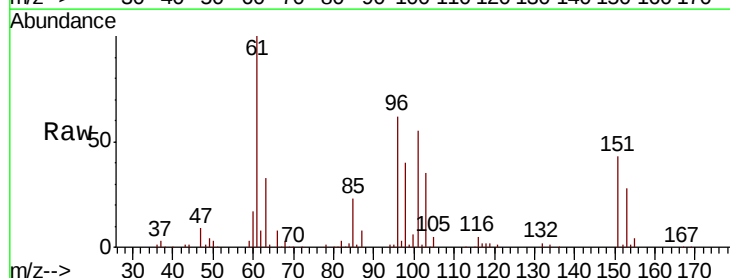
Tot Ion: 59 Resp: 103420
 Ion Ratio Lower Upper
 59 100
 57 9.8 8.0 12.0

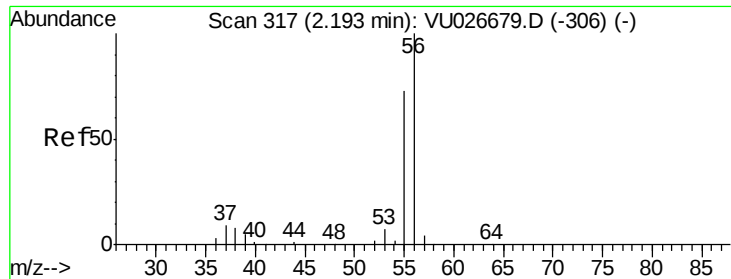


#12

1,1-Dichloroethene
 Concen: 47.55 ug/l
 RT: 2.28 min Scan# 344
 Delta R.T. -0.00 min
 Lab File: VU026691.D
 Acq: 12 Sep 2018 08:46

Tgt Ion: 96 Resp: 75538
 Ion Ratio Lower Upper
 96 100
 61 161.9 133.0 199.6
 98 65.4 51.3 76.9

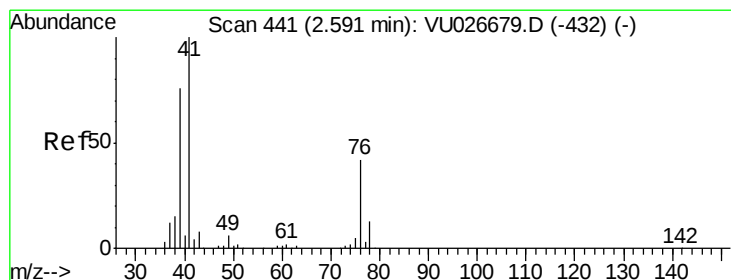
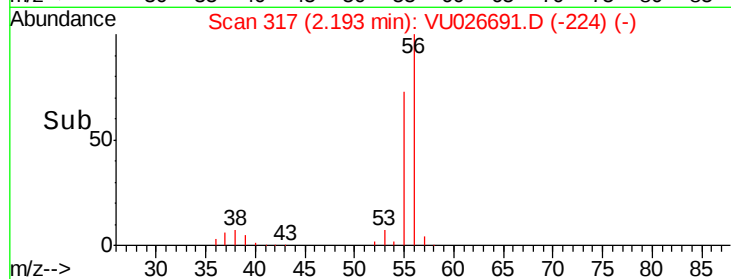
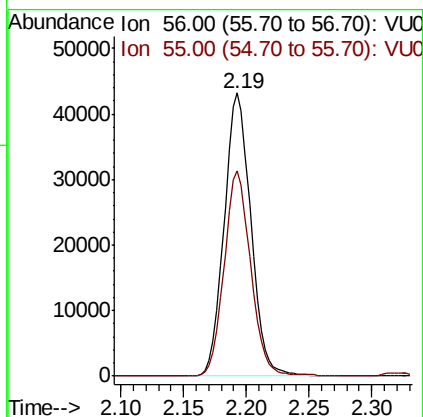
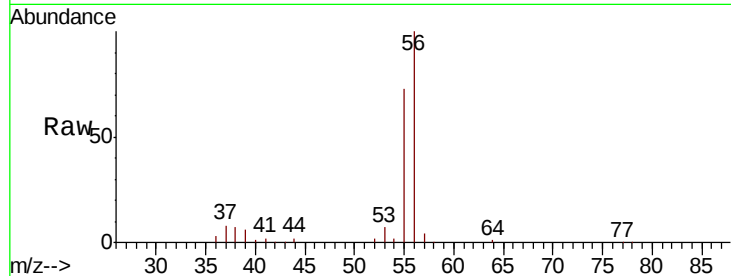




#13
Acrolein
Concen: 185.17 ug/l
RT: 2.19 min Scan# 317
Delta R.T. 0.00 min
Lab File: VU026691.D
Acq: 12 Sep 2018 08:46

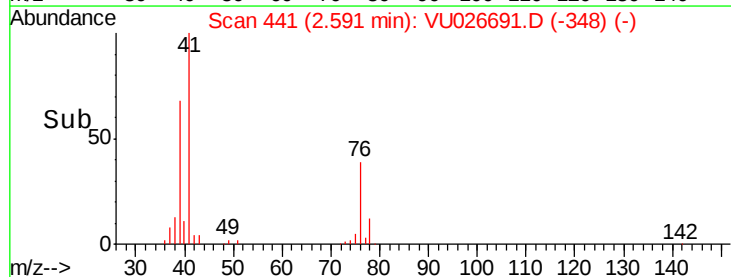
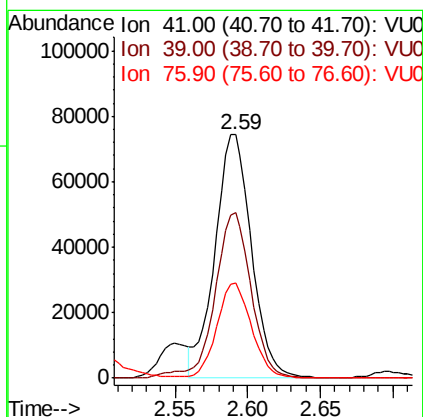
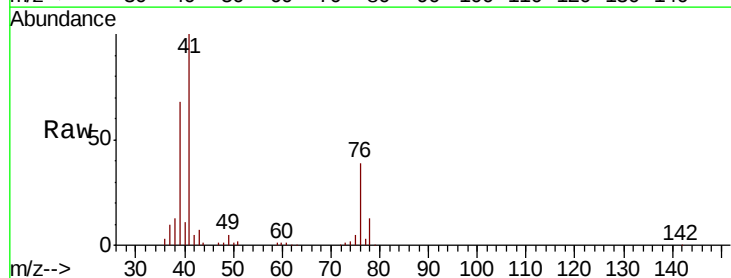
Instrument :
MSVOA_U
ClientSampleId :

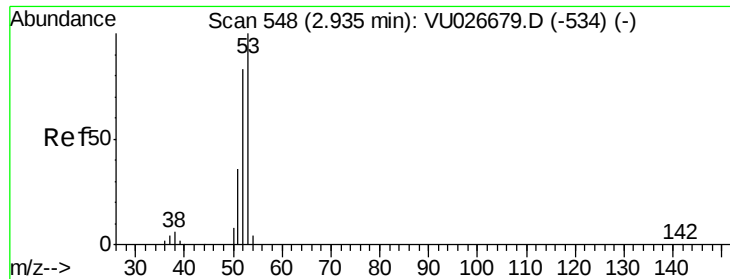
Tot Ion: 56 Resp: 63851
Ion Ratio Lower Upper
56 100
55 71.7 57.4 86.2



#14
Allyl chloride
Concen: 45.61 ug/l
RT: 2.59 min Scan# 441
Delta R.T. 0.00 min
Lab File: VU026691.D
Acq: 12 Sep 2018 08:46

Tgt Ion: 41 Resp: 130517
Ion Ratio Lower Upper
41 100
39 67.4 56.9 85.3
76 37.0 29.7 44.5





#15

Acrylonitrile

Concen: 234.16 ug/l

RT: 2.94 min Scan# 548

Delta R.T. 0.00 min

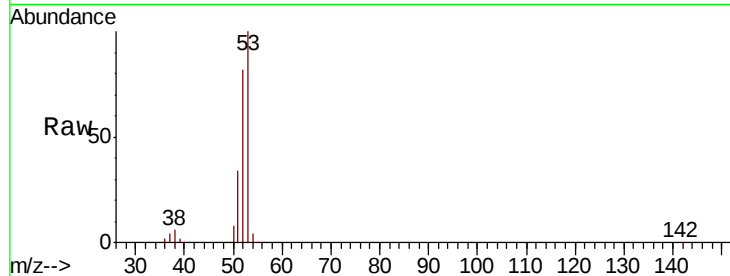
Lab File: VU026691.D

Acq: 12 Sep 2018 08:46

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 53 Resp: 256955

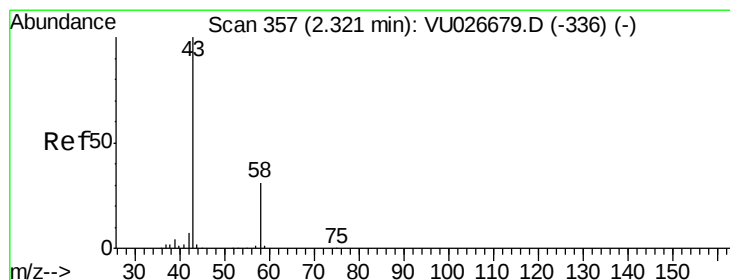
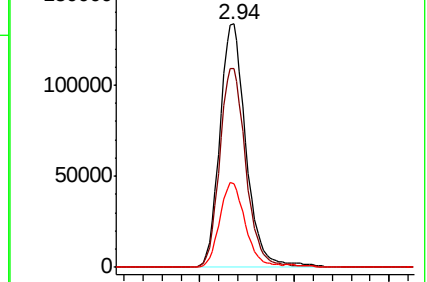
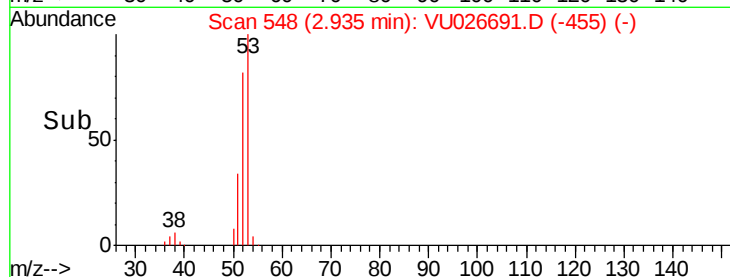
Ion	Ratio	Lower	Upper
53	100		
52	82.0	65.8	98.8
51	34.2	27.7	41.5



Abundance Ion 53.00 (52.70 to 53.70): VU0

Ion 52.00 (51.70 to 52.70): VU0

Ion 51.00 (50.70 to 51.70): VU0



#16

Acetone

Concen: 210.22 ug/l

RT: 2.32 min Scan# 357

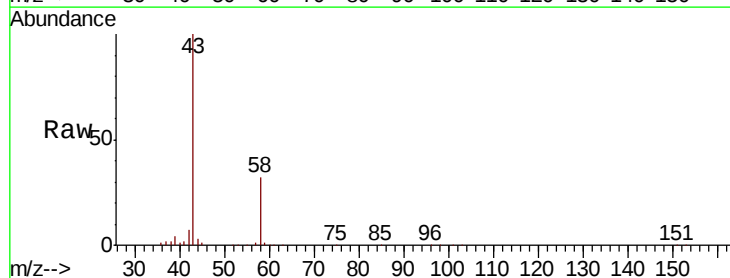
Delta R.T. 0.00 min

Lab File: VU026691.D

Acq: 12 Sep 2018 08:46

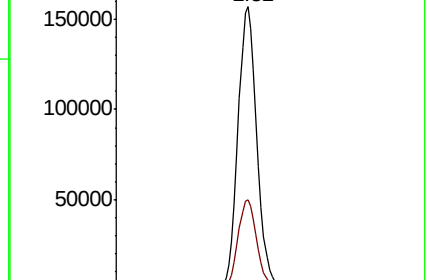
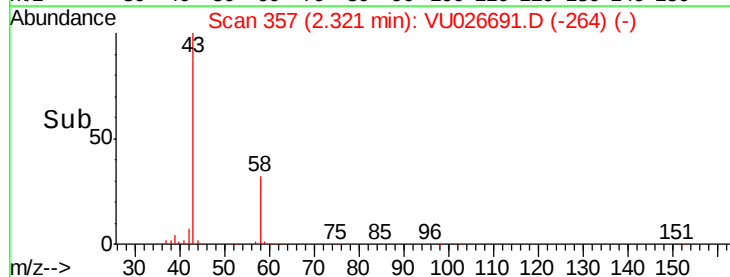
Tgt Ion: 43 Resp: 249848

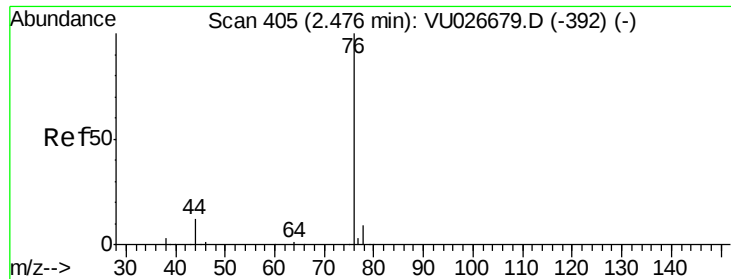
Ion	Ratio	Lower	Upper
43	100		
58	31.9	25.1	37.7



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0

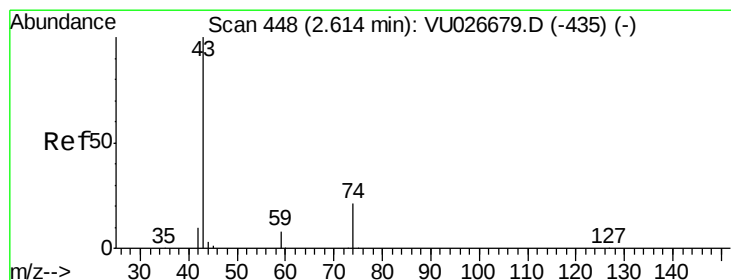
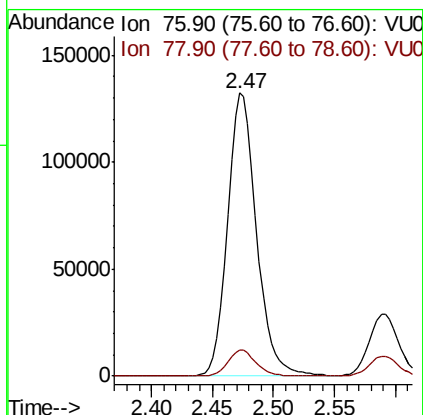
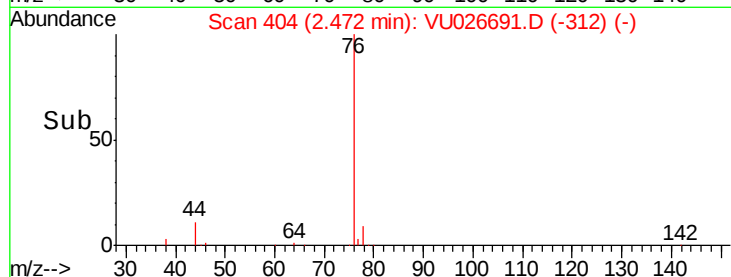
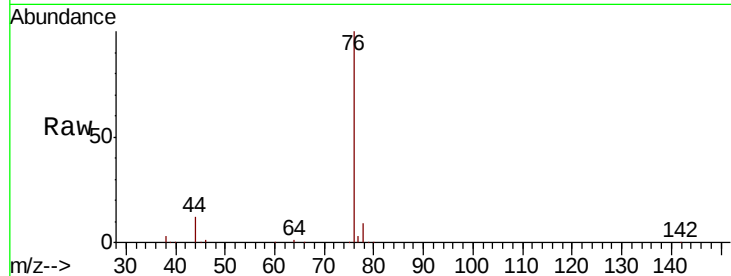




#17
Carbon Disulfide
Concen: 43.60 ug/l
RT: 2.47 min Scan# 404
Delta R.T. -0.00 min
Lab File: VU026691.D
Acq: 12 Sep 2018 08:46

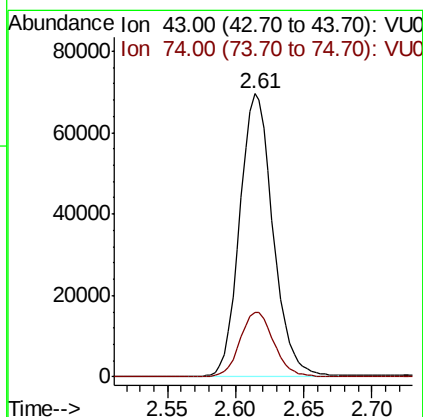
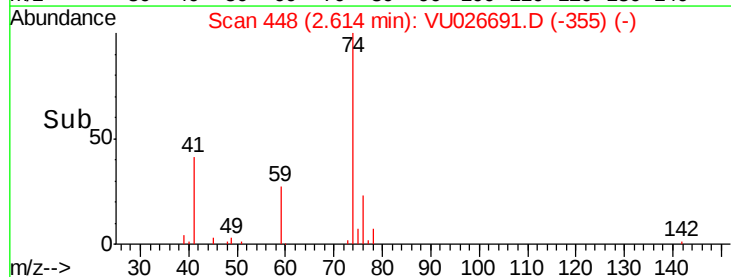
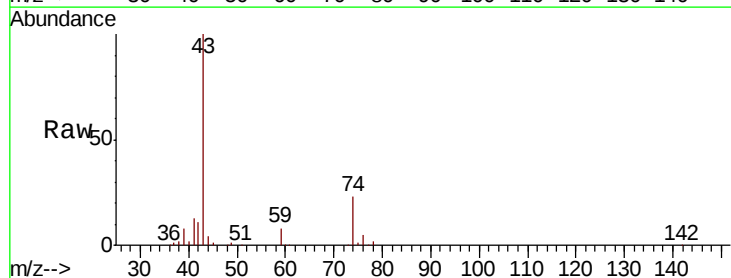
Instrument :
MSVOA_U
ClientSampleId :

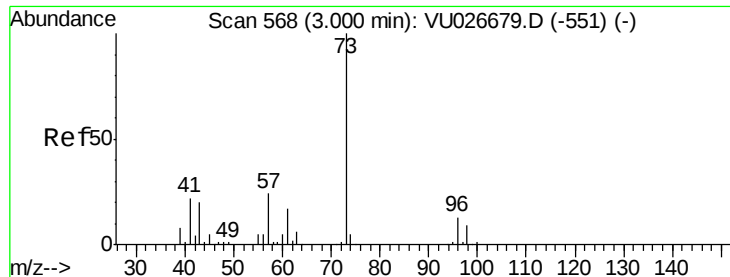
Tot Ion: 76 Resp: 220396
Ion Ratio Lower Upper
76 100
78 9.1 7.0 10.6



#18
Methyl Acetate
Concen: 46.12 ug/l
RT: 2.61 min Scan# 448
Delta R.T. 0.00 min
Lab File: VU026691.D
Acq: 12 Sep 2018 08:46

Tgt Ion: 43 Resp: 118274
Ion Ratio Lower Upper
43 100
74 23.4 17.7 26.5

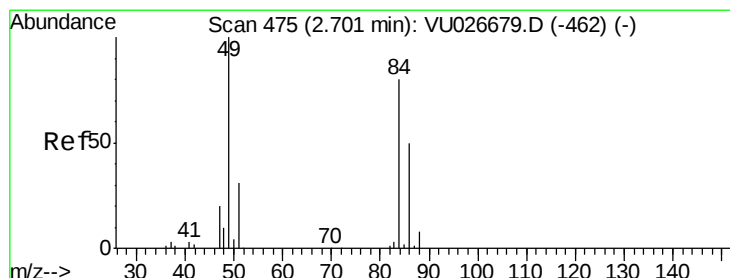
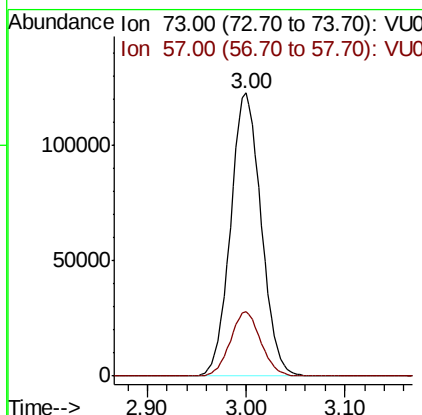
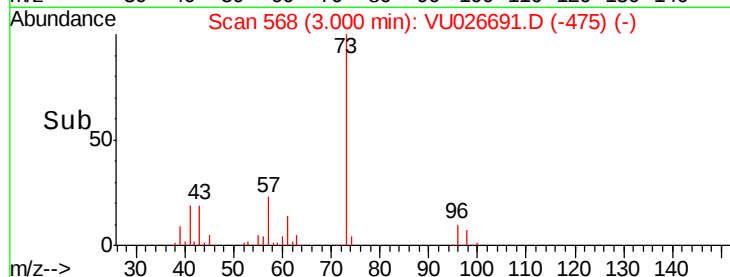
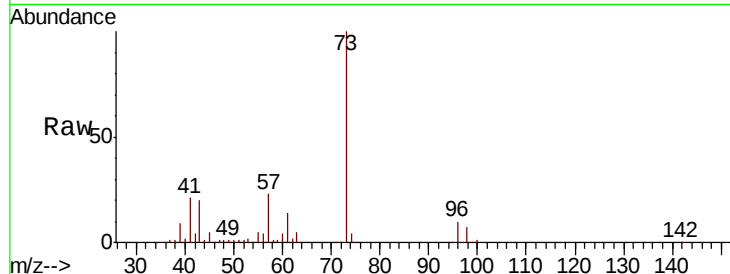




#19
Methvl tert-butvl Ether
Concen: 48.55 ug/l
RT: 3.00 min Scan# 568
Delta R.T. 0.00 min
Lab File: VU026691.D
Acq: 12 Sep 2018 08:46

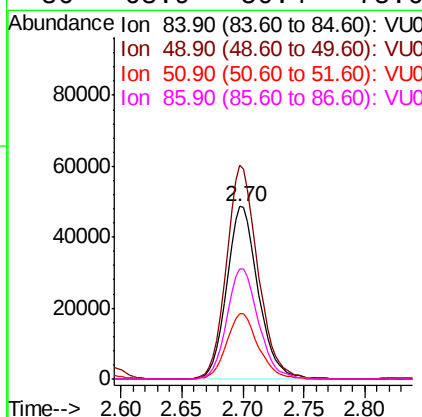
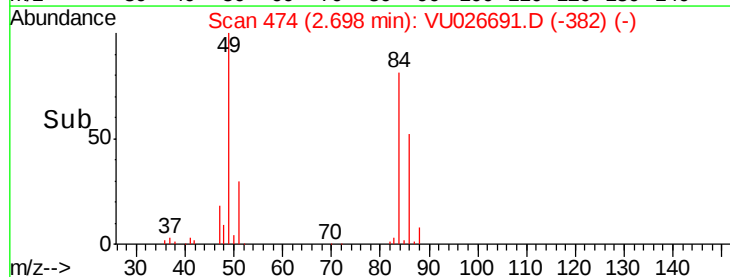
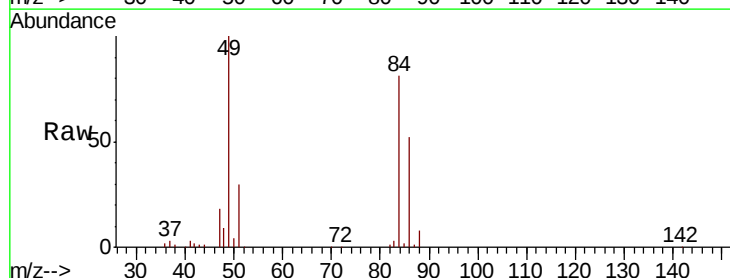
Instrument :
MSVOA_U
ClientSampled :

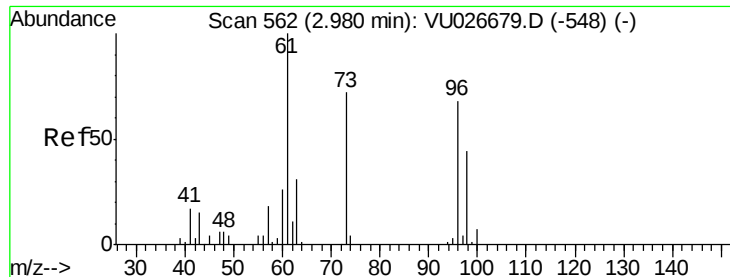
Tot Ion: 73 Resp: 265593
Ion Ratio Lower Upper
73 100
57 22.8 18.9 28.3



#20
Methylene Chloride
Concen: 45.59 ug/l
RT: 2.70 min Scan# 474
Delta R.T. -0.00 min
Lab File: VU026691.D
Acq: 12 Sep 2018 08:46

Tgt Ion: 84 Resp: 87890
Ion Ratio Lower Upper
84 100
49 123.6 100.6 151.0
51 37.5 30.9 46.3
86 63.9 50.4 75.6





#21

trans-1,2-Dichloroethene

Concen: 47.25 ug/l

RT: 2.98 min Scan# 562

Delta R.T. 0.00 min

Lab File: VU026691.D

Acq: 12 Sep 2018 08:46

Instrument :

MSVOA_U

ClientSampleId :

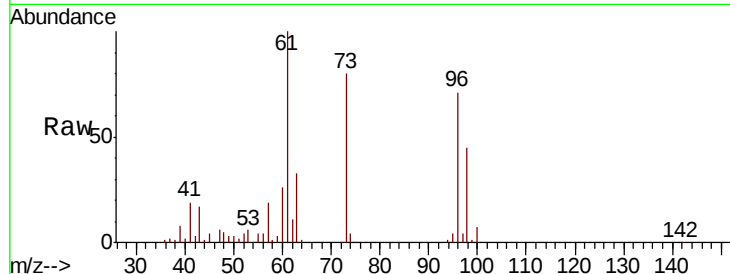
Tot Ion: 96 Resp: 79082

Ion Ratio Lower Upper

96 100

61 141.8 117.7 176.5

98 63.5 52.0 78.0

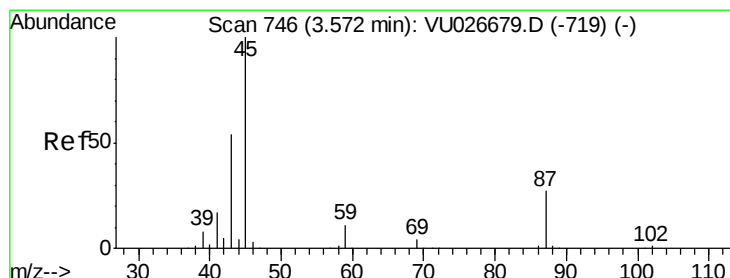
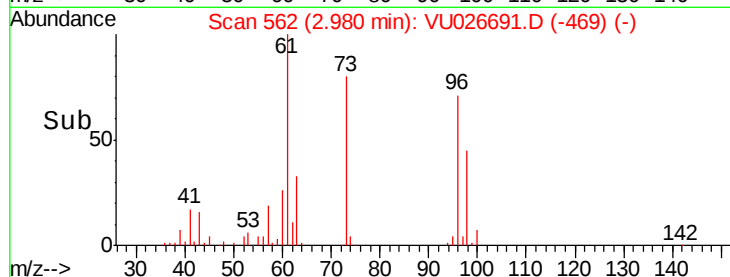
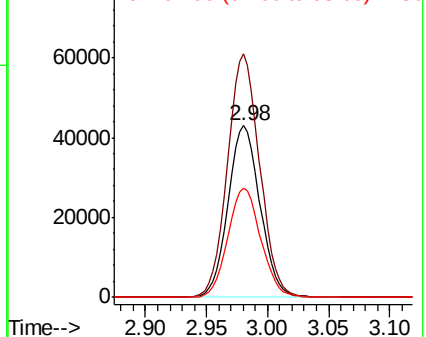


Abundance

Ion 95.90 (95.60 to 96.60): VU0

Ion 60.90 (60.60 to 61.60): VU0

Ion 97.90 (97.60 to 98.60): VU0



#22

Diisopropyl ether

Concen: 47.57 ug/l

RT: 3.57 min Scan# 746

Delta R.T. 0.00 min

Lab File: VU026691.D

Acq: 12 Sep 2018 08:46

Tgt Ion: 45 Resp: 284107

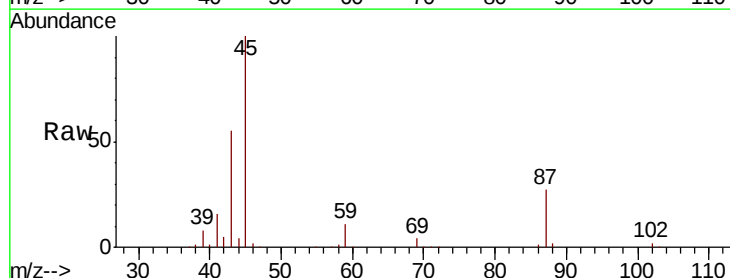
Ion Ratio Lower Upper

45 100

43 53.4 44.6 67.0

87 27.2 21.4 32.0

59 11.4 9.0 13.4



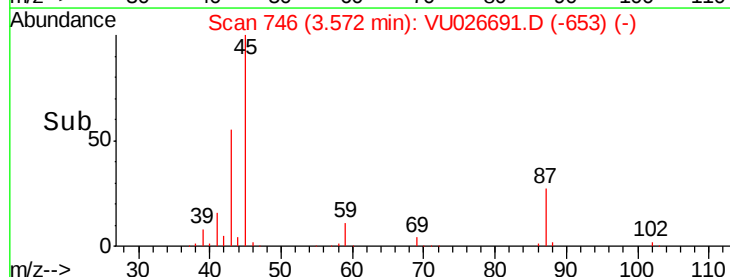
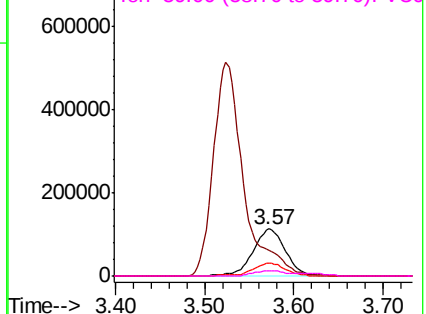
Abundance

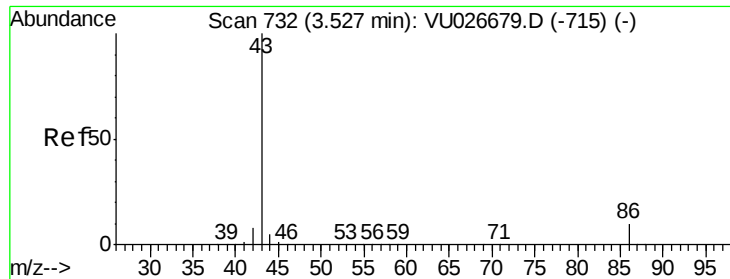
Ion 45.00 (44.70 to 45.70): VU0

Ion 43.00 (42.70 to 43.70): VU0

Ion 87.00 (86.70 to 87.70): VU0

Ion 59.00 (58.70 to 59.70): VU0





#23

Vinyl Acetate

Concen: 238.89 ug/l

RT: 3.52 min Scan# 731

Delta R.T. -0.00 min

Lab File: VU026691.D

Acq: 12 Sep 2018 08:46

Instrument :

MSVOA_U

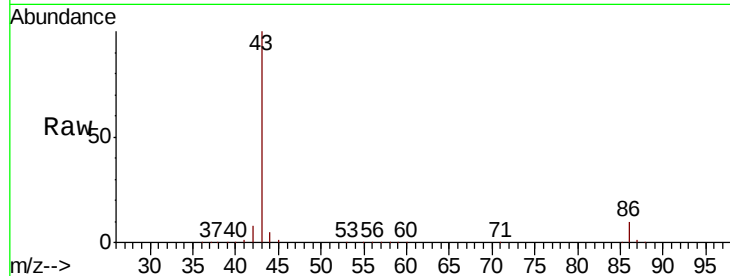
ClientSampled :

Tot Ion: 43 Resp: 1211855

Ion Ratio Lower Upper

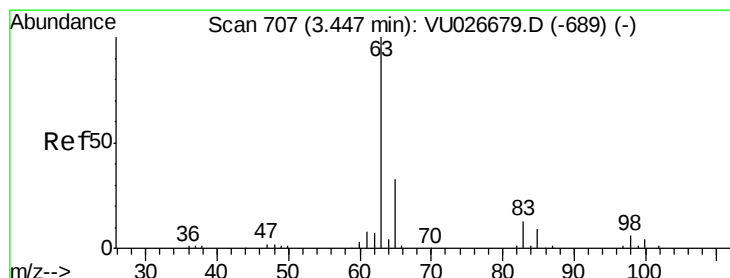
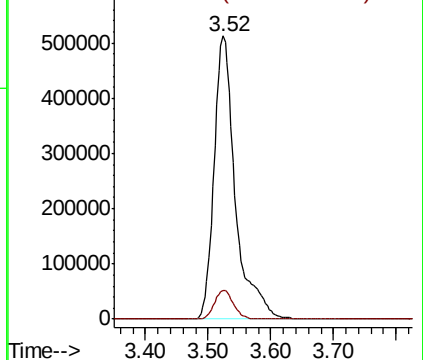
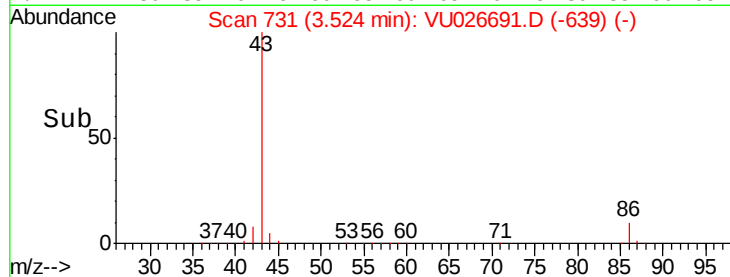
43 100

86 10.1 7.8 11.8



Abundance Ion 43.00 (42.70 to 43.70): VU026691.D (-639) (-)

Ion 86.00 (85.70 to 86.70): VU026691.D (-639) (-)



#24

1,1-Dichloroethane

Concen: 46.43 ug/l

RT: 3.44 min Scan# 706

Delta R.T. -0.00 min

Lab File: VU026691.D

Acq: 12 Sep 2018 08:46

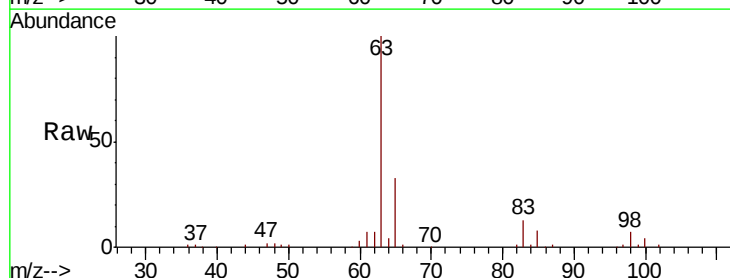
Tgt Ion: 63 Resp: 156413

Ion Ratio Lower Upper

63 100

98 6.7 3.1 9.4

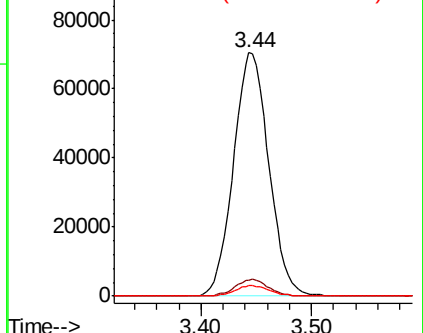
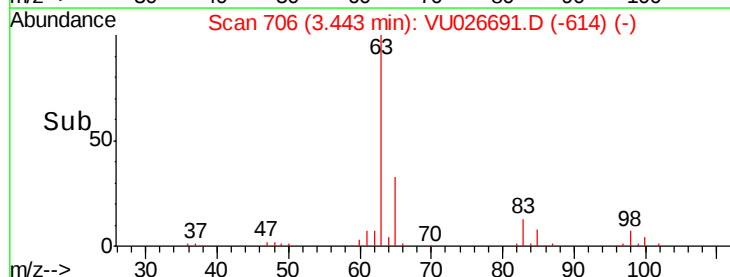
100 4.3 2.0 6.0

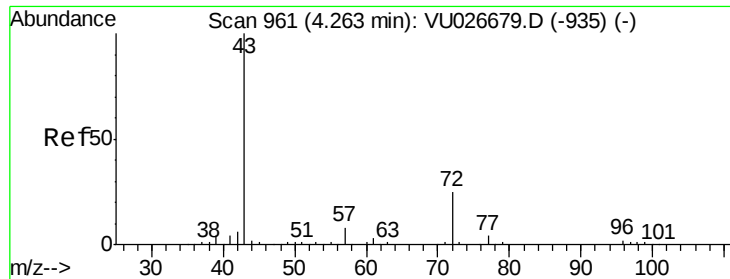


Abundance Ion 62.90 (62.60 to 63.60): VU026691.D (-614) (-)

Ion 97.90 (97.60 to 98.60): VU026691.D (-614) (-)

Ion 99.90 (99.60 to 100.60): VU026691.D (-614) (-)





#25

2-Butanone

Concen: 225.45 ug/l

RT: 4.26 min Scan# 961

Delta R.T. 0.00 min

Lab File: VU026691.D

Acq: 12 Sep 2018 08:46

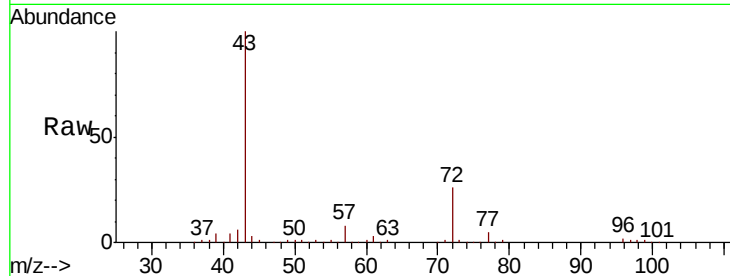
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 43 Resp: 360941

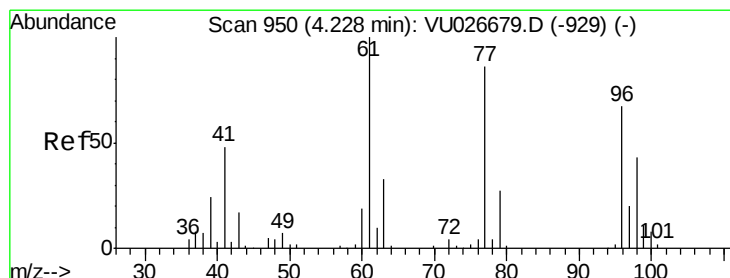
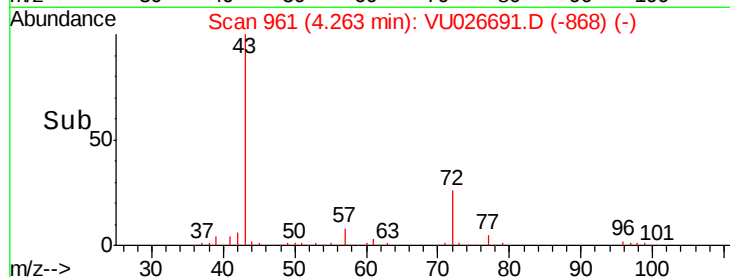
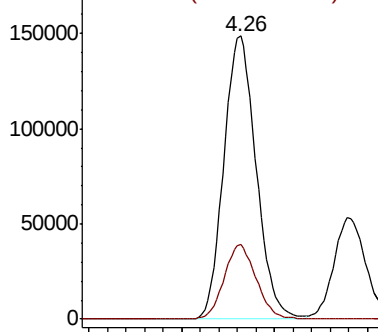
Ion Ratio Lower Upper

43 100

72 26.2 20.3 30.5



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



#26

2,2-Dichloropropane

Concen: 46.29 ug/l

RT: 4.22 min Scan# 949

Delta R.T. -0.00 min

Lab File: VU026691.D

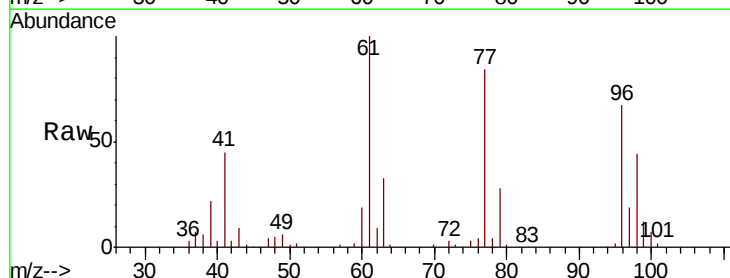
Acq: 12 Sep 2018 08:46

Tgt Ion: 77 Resp: 128186

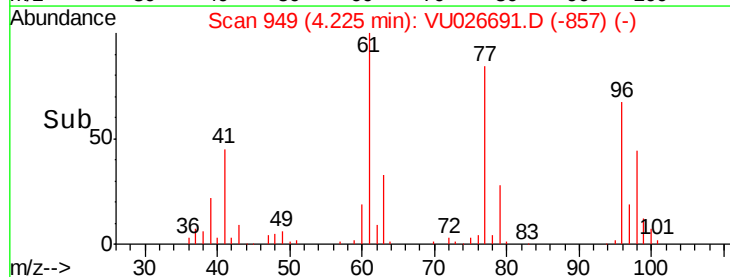
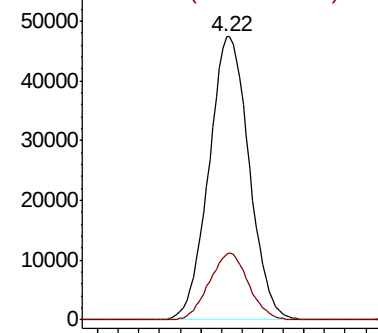
Ion Ratio Lower Upper

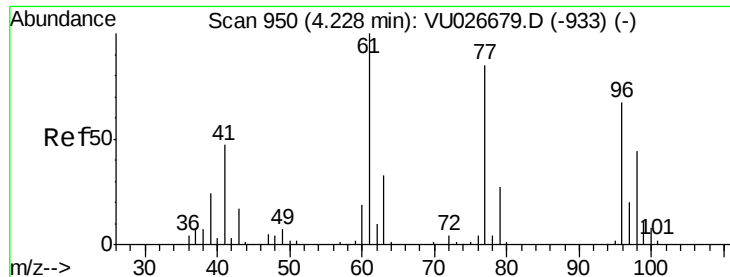
77 100

97 23.1 11.6 34.8



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: 47.58 ug/l

RT: 4.22 min Scan# 949

Delta R.T. -0.00 min

Lab File: VU026691.D

Acq: 12 Sep 2018 08:46

Instrument :
MSVOA_U
ClientSampled :

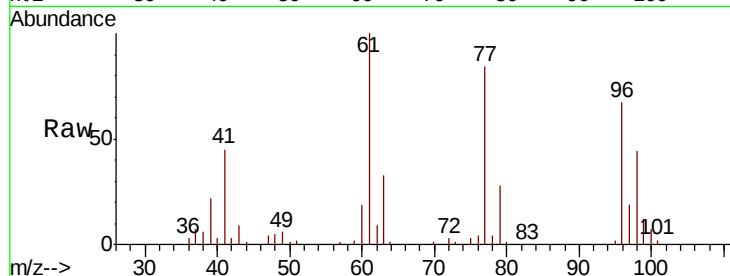
Tot Ion: 96 Resp: 91784

Ion Ratio Lower Upper

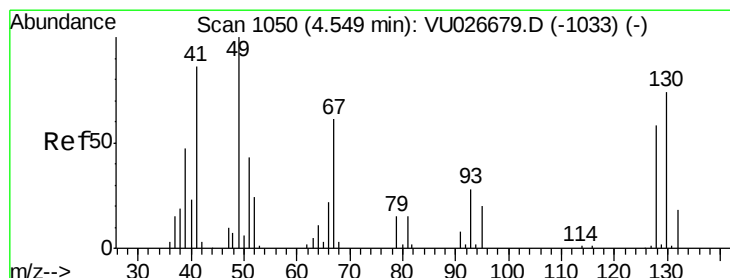
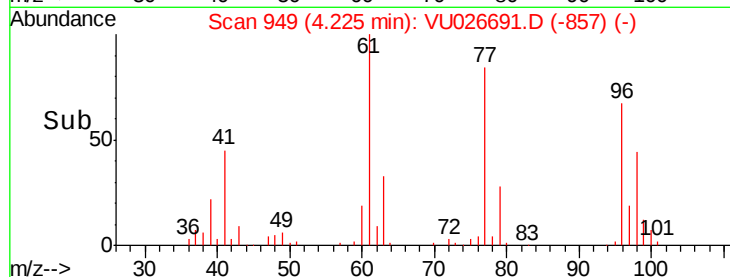
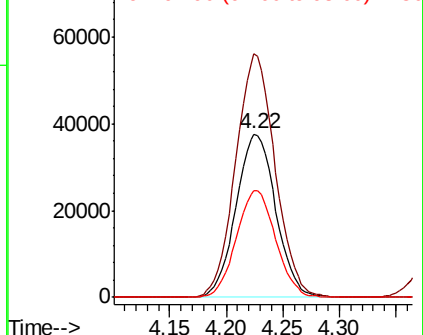
96 100

61 148.3 0.0 301.8

98 65.1 0.0 127.2



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



#28

Bromochloromethane

Concen: 45.84 ug/l

RT: 4.55 min Scan# 1049

Delta R.T. -0.00 min

Lab File: VU026691.D

Acq: 12 Sep 2018 08:46

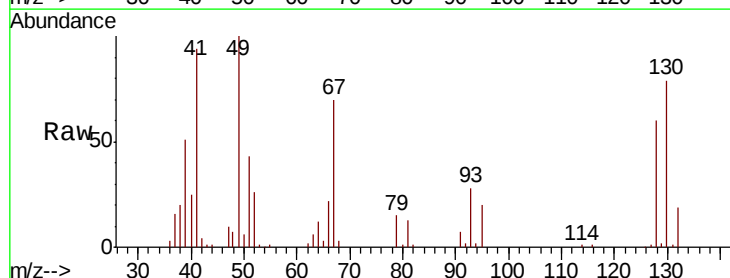
Tgt Ion: 49 Resp: 73852

Ion Ratio Lower Upper

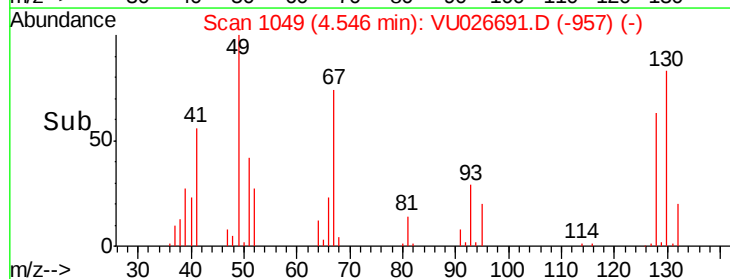
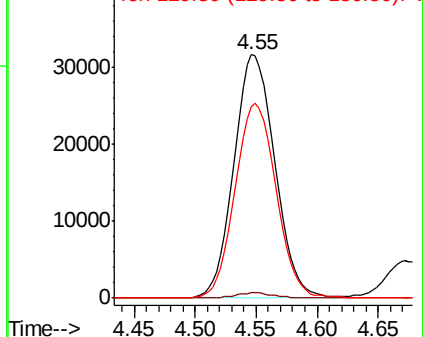
49 100

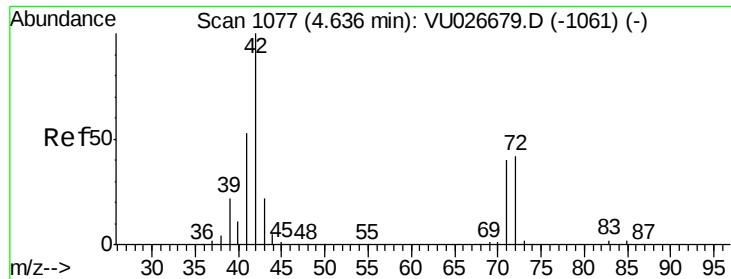
129 1.9 0.0 3.8

130 80.1 59.8 89.6



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

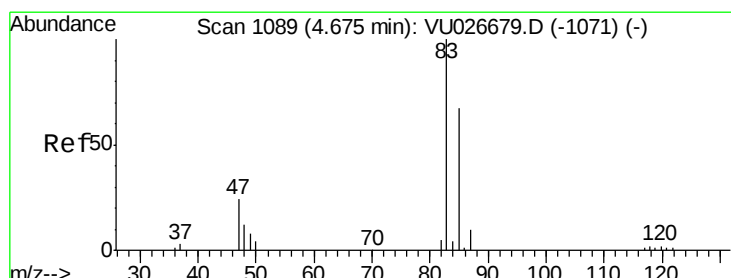
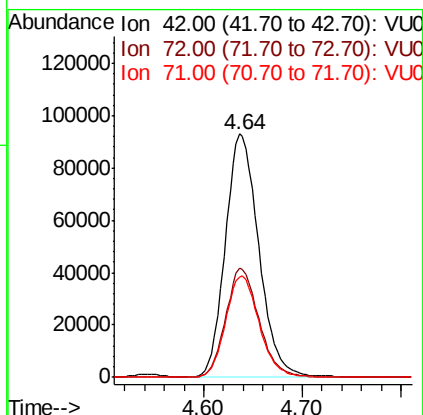
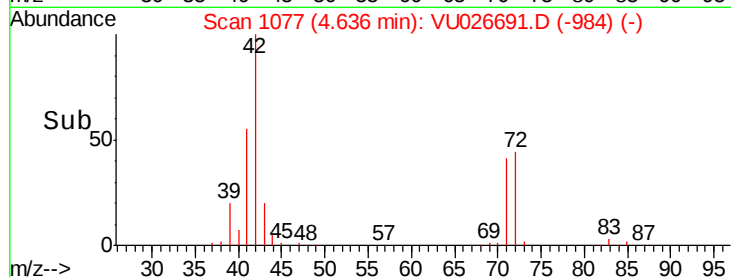
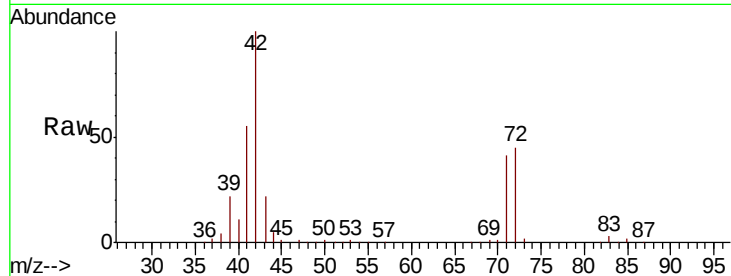




#29
Tetrahydrofuran
Concen: 227.40 ug/l
RT: 4.64 min Scan# 1077
Delta R.T. 0.00 min
Lab File: VU026691.D
Acq: 12 Sep 2018 08:46

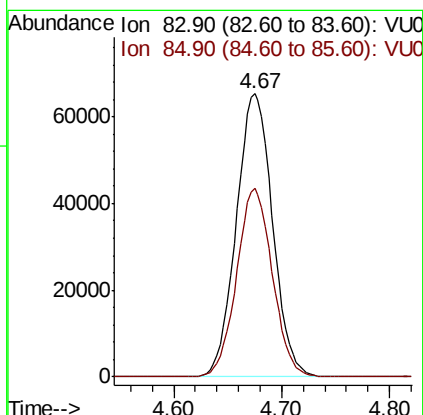
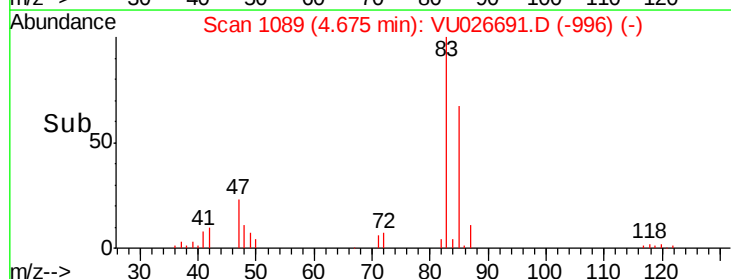
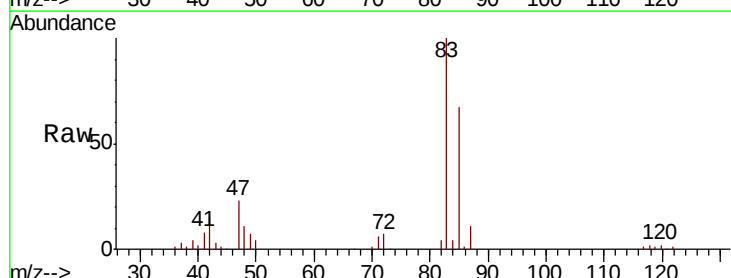
Instrument :
MSVOA_U
ClientSampleId :

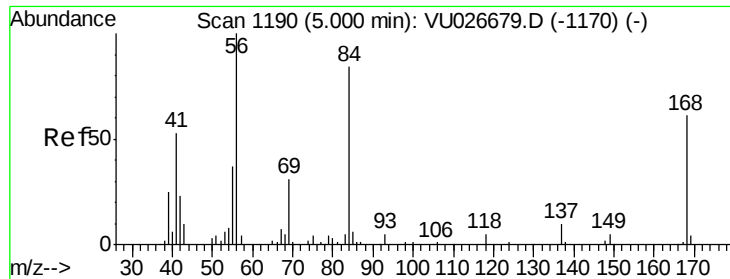
Tot Ion: 42 Resp: 219489
Ion Ratio Lower Upper
42 100
72 45.0 34.4 51.6
71 41.9 32.4 48.6



#30
Chloroform
Concen: 46.13 ug/l
RT: 4.67 min Scan# 1089
Delta R.T. 0.00 min
Lab File: VU026691.D
Acq: 12 Sep 2018 08:46

Tgt Ion: 83 Resp: 152832
Ion Ratio Lower Upper
83 100
85 66.6 53.3 79.9

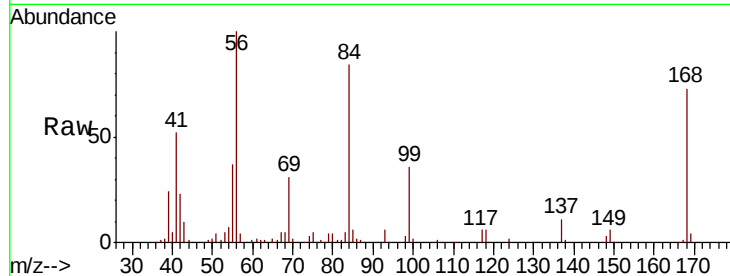




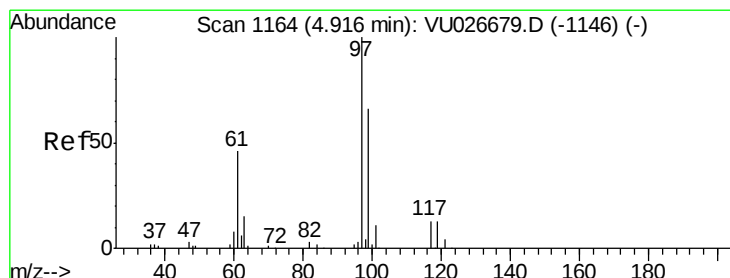
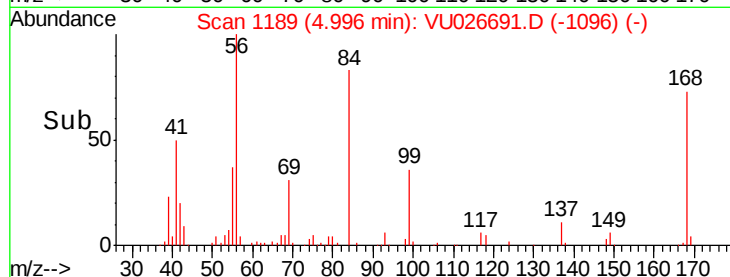
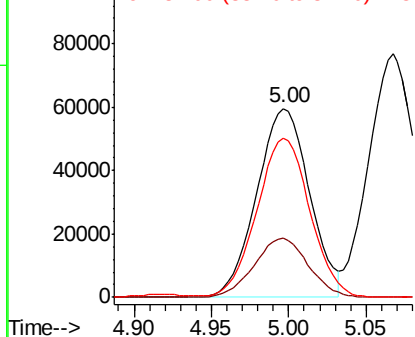
#31
Cyclohexane
Concen: 46.13 ug/l
RT: 5.00 min Scan# 1189
Delta R.T. -0.00 min
Lab File: VU026691.D
Acq: 12 Sep 2018 08:46

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 56 Resp: 141965
Ion Ratio Lower Upper
56 100
69 31.2 24.9 37.3
84 83.6 66.6 100.0

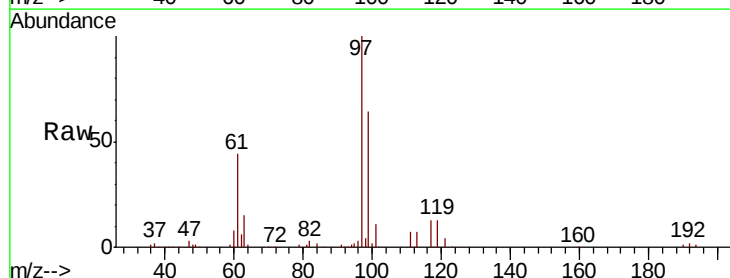


Abundance Ion 56.00 (55.70 to 56.70): VU0
Ion 69.00 (68.70 to 69.70): VU0
Ion 84.00 (83.70 to 84.70): VU0

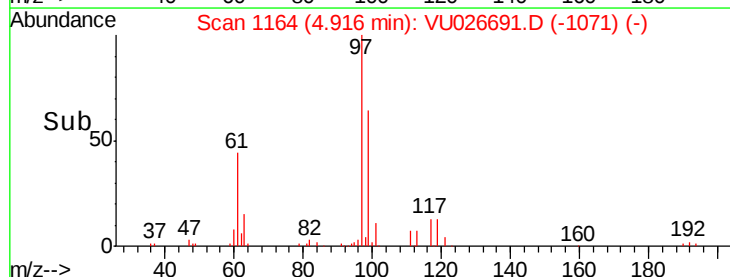
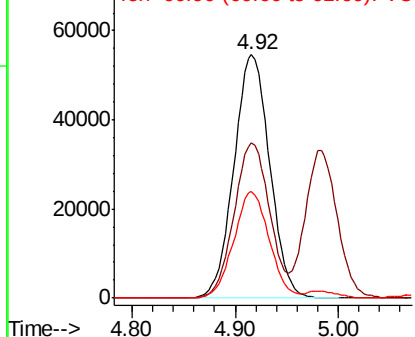


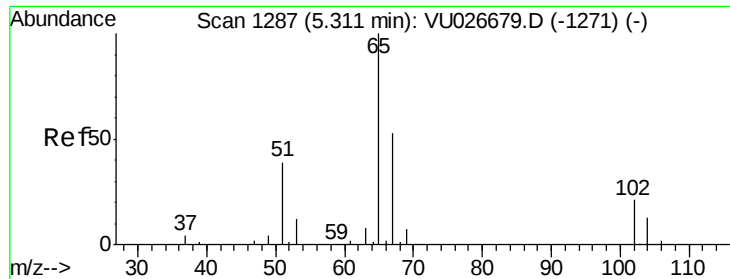
#32
1,1,1-Trichloroethane
Concen: 48.04 ug/l
RT: 4.92 min Scan# 1164
Delta R.T. 0.00 min
Lab File: VU026691.D
Acq: 12 Sep 2018 08:46

Tgt Ion: 97 Resp: 131763
Ion Ratio Lower Upper
97 100
99 63.6 52.2 78.2
61 43.6 36.8 55.2



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

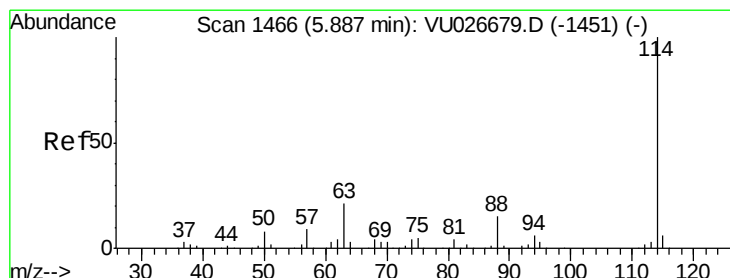
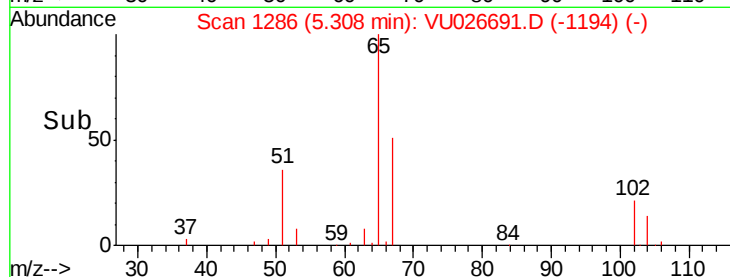
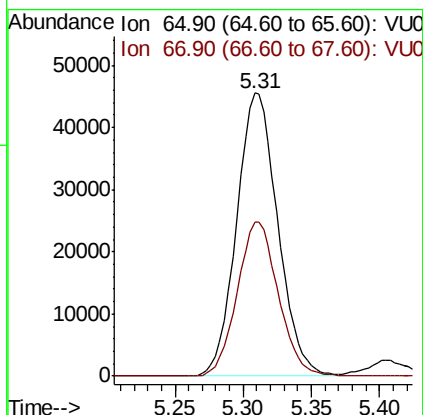
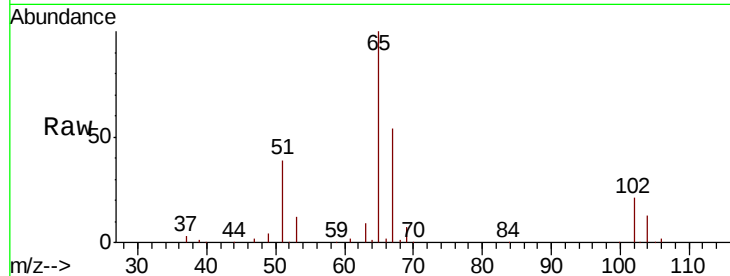




#33
 1,2-Dichloroethane-d4
 Concen: 45.42 ug/l
 RT: 5.31 min Scan# 1286
 Delta R.T. -0.00 min
 Lab File: VU026691.D
 Acq: 12 Sep 2018 08:46

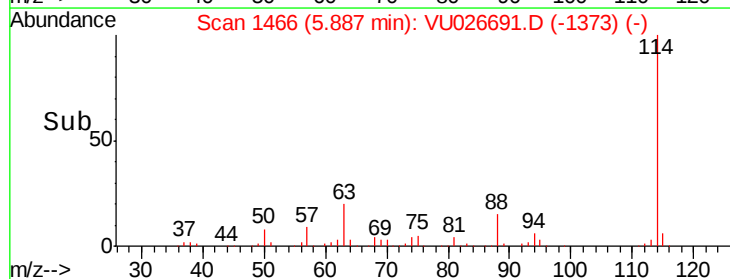
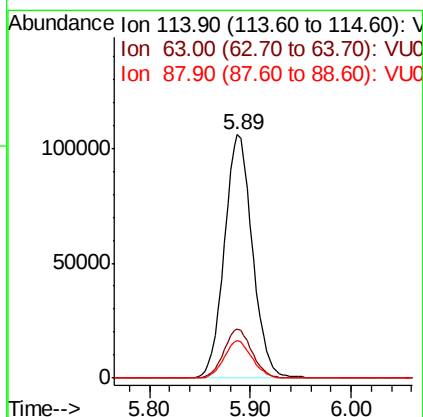
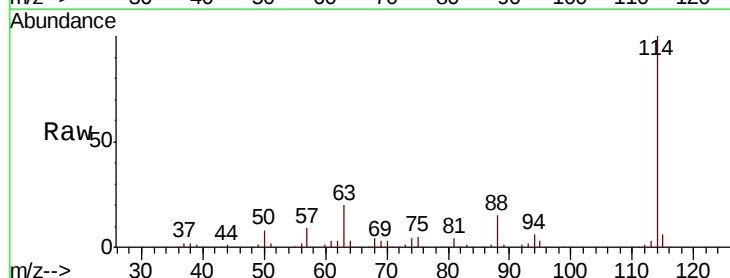
Instrument :
 MSVOA_U
 ClientSampled :

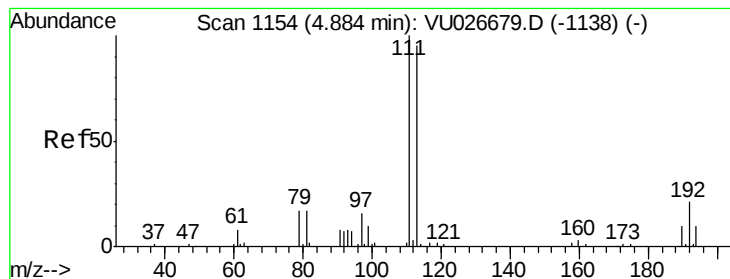
Tot Ion: 65 Resp: 95351
 Ion Ratio Lower Upper
 65 100
 67 54.3 0.0 106.4



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 5.89 min Scan# 1466
 Delta R.T. 0.00 min
 Lab File: VU026691.D
 Acq: 12 Sep 2018 08:46

Tgt Ion: 114 Resp: 205079
 Ion Ratio Lower Upper
 114 100
 63 20.2 0.0 41.4
 88 15.5 0.0 30.8





#35

Dibromofluoromethane

Concen: 49.42 ug/l

RT: 4.88 min Scan# 1154

Delta R.T. 0.00 min

Lab File: VU026691.D

Acq: 12 Sep 2018 08:46

Instrument :

MSVOA_U

ClientSampleId :

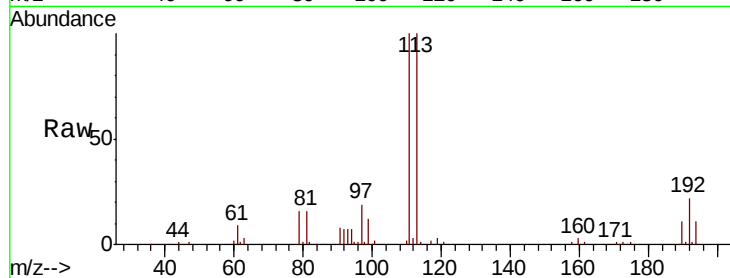
Tot Ion:113 Resp: 82675

Ion Ratio Lower Upper

113 100

111 100.1 83.1 124.7

192 21.6 17.4 26.2

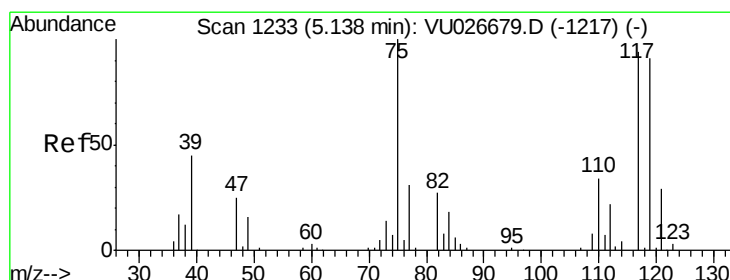
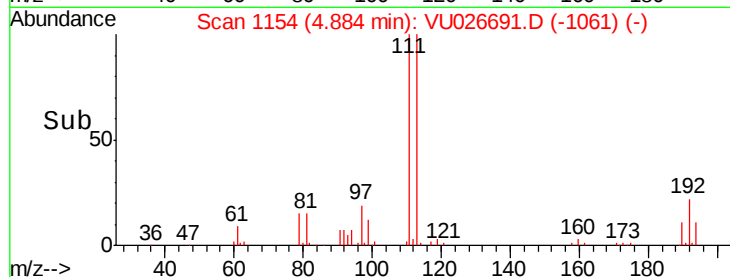
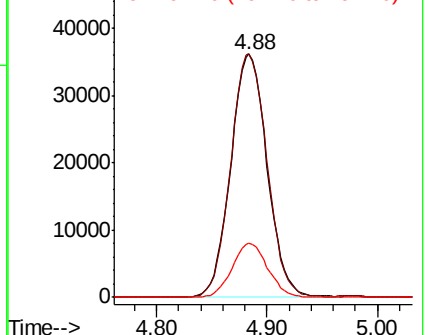


Abundance

Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 50.99 ug/l

RT: 5.14 min Scan# 1233

Delta R.T. 0.00 min

Lab File: VU026691.D

Acq: 12 Sep 2018 08:46

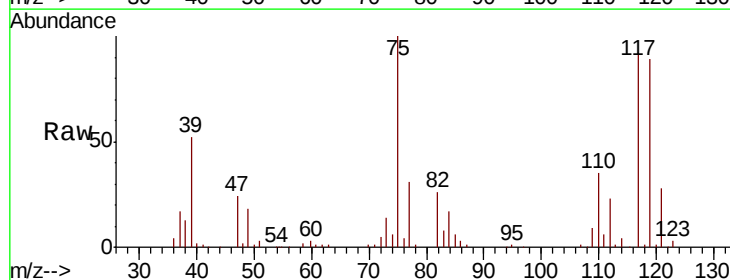
Tgt Ion: 75 Resp: 117402

Ion Ratio Lower Upper

75 100

110 34.8 17.3 51.9

77 30.7 24.9 37.3

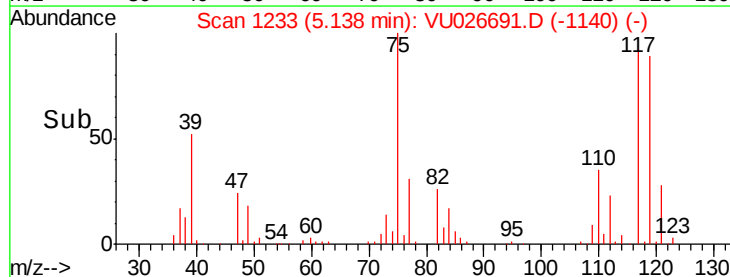
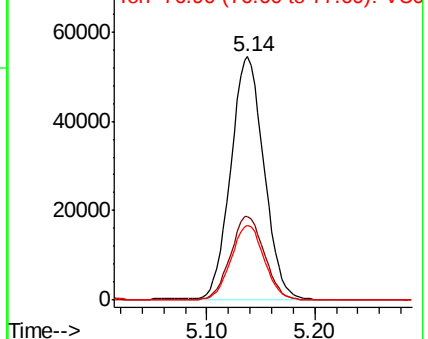


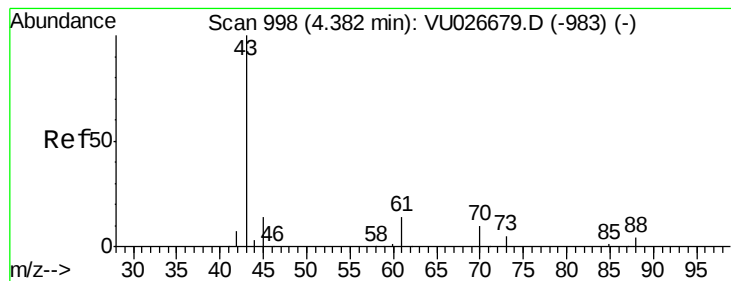
Abundance

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: 46.24 ug/l

RT: 4.38 min Scan# 997

Delta R.T. -0.00 min

Lab File: VU026691.D

Acq: 12 Sep 2018 08:46

Instrument :

MSVOA_U

ClientSampleId :

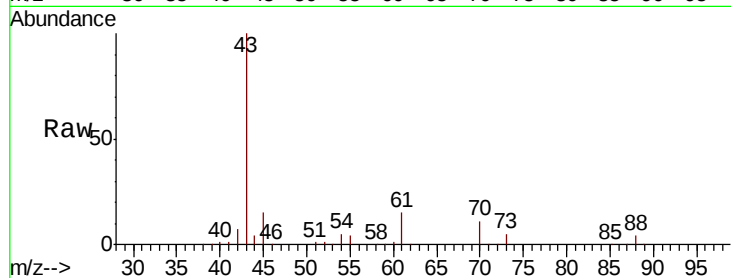
Tot Ion: 43 Resp: 128022

Ion Ratio Lower Upper

43 100

61 15.1 11.5 17.3

70 10.4 7.8 11.8

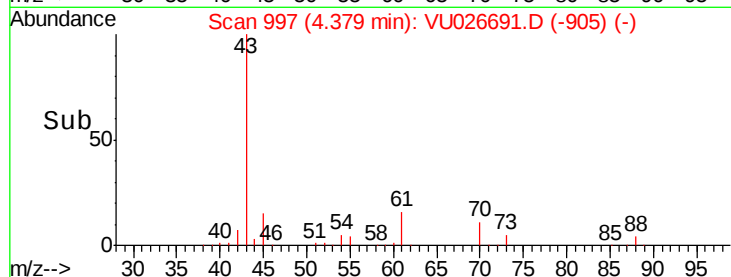


Abundance Ion 43.00 (42.70 to 43.70): VU026679.D (-983) (-)

Ion 60.90 (60.60 to 61.60): VU026679.D (-983) (-)

Ion 70.00 (69.70 to 70.70): VU026679.D (-983) (-)

Time-->



Abundance

Time-->

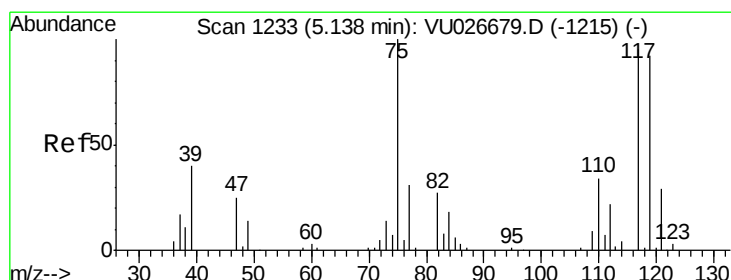
4.38

50000

100000

150000

200000



#38

Carbon Tetrachloride

Concen: 47.76 ug/l

RT: 5.13 min Scan# 1232

Delta R.T. -0.00 min

Lab File: VU026691.D

Acq: 12 Sep 2018 08:46

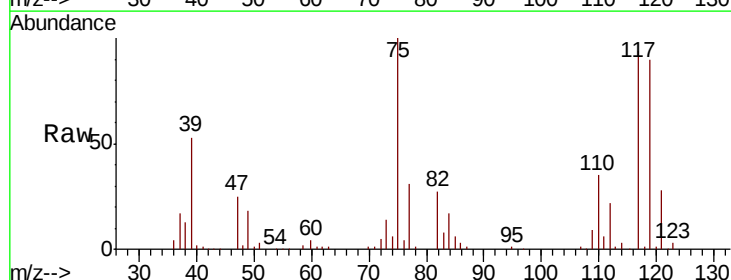
Tgt Ion: 117 Resp: 116173

Ion Ratio Lower Upper

117 100

119 95.5 77.8 116.8

121 30.2 25.0 37.4

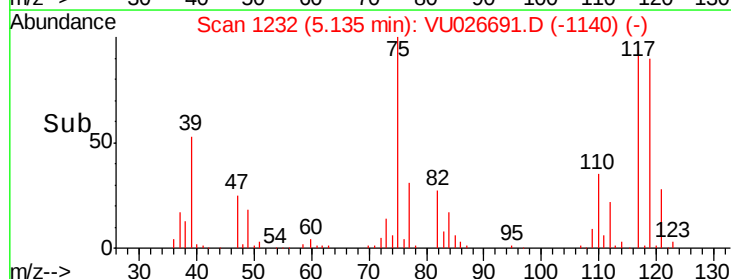


Abundance Ion 116.80 (116.50 to 117.50): VU026679.D (-1215) (-)

Ion 118.80 (118.50 to 119.50): VU026679.D (-1215) (-)

Ion 120.80 (120.50 to 121.50): VU026679.D (-1215) (-)

Time-->



Abundance

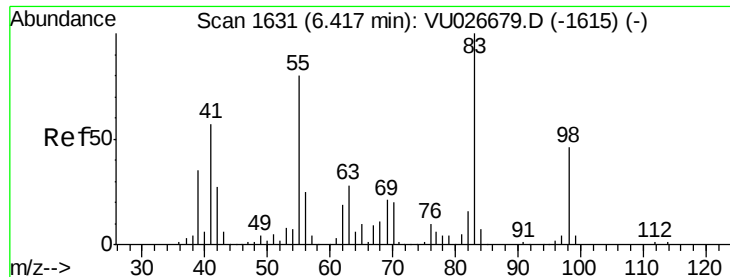
Time-->

5.13

20000

40000

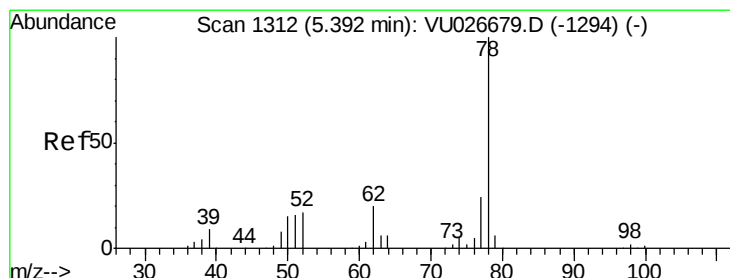
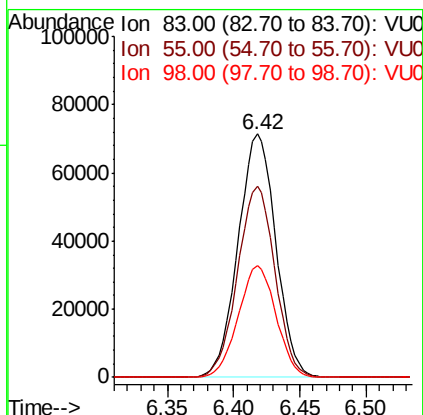
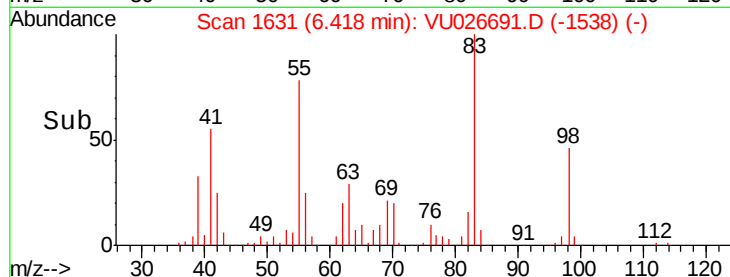
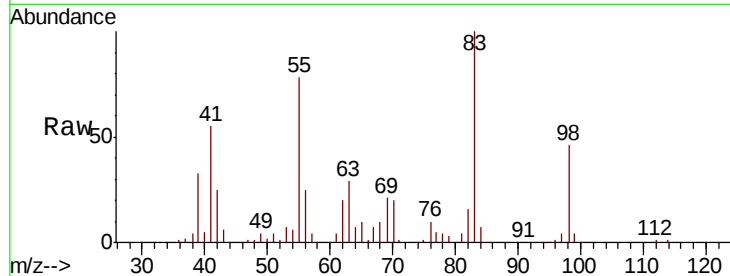
60000



#39
Methvlcvclohexane
Concen: 51.79 ug/l
RT: 6.42 min Scan# 1631
Delta R.T. 0.00 min
Lab File: VU026691.D
Acq: 12 Sep 2018 08:46

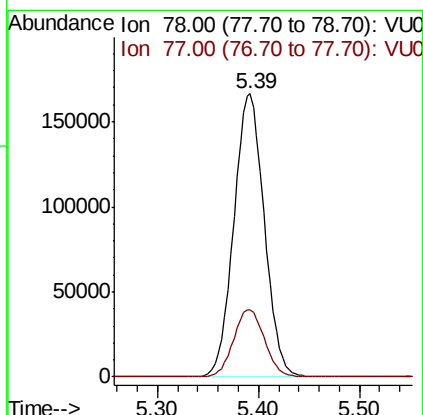
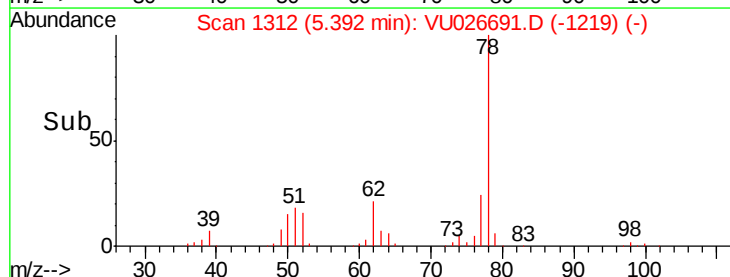
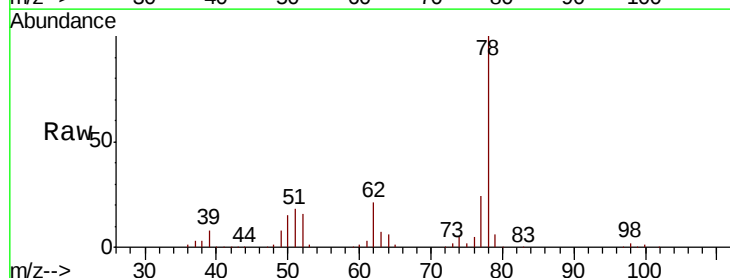
Instrument :
MSVOA_U
ClientSampleId :

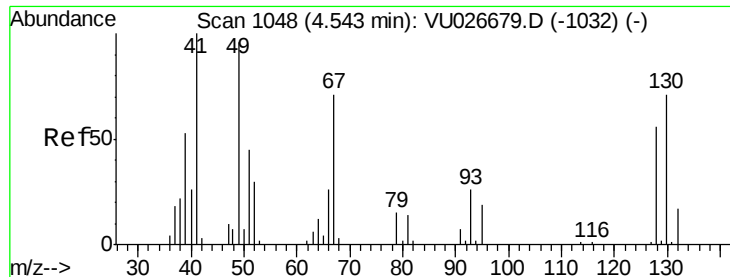
Tot Ion: 83 Resp: 141581
Ion Ratio Lower Upper
83 100
55 78.3 63.8 95.6
98 45.8 37.2 55.8



#40
Benzene
Concen: 48.76 ug/l
RT: 5.39 min Scan# 1312
Delta R.T. 0.00 min
Lab File: VU026691.D
Acq: 12 Sep 2018 08:46

Tgt Ion: 78 Resp: 348654
Ion Ratio Lower Upper
78 100
77 23.8 19.5 29.3

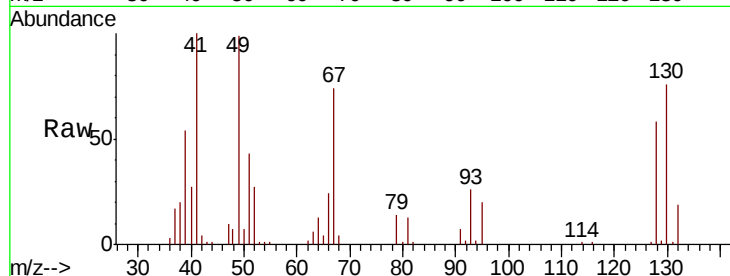




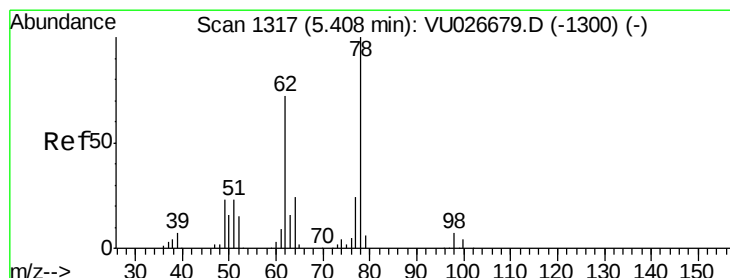
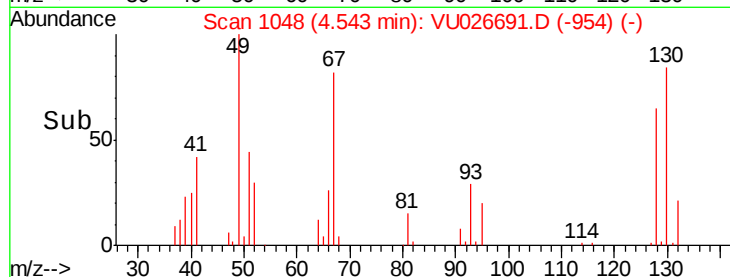
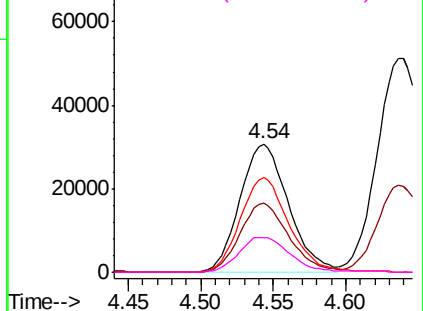
#41
Methacrylonitrile
Concen: 46.03 ug/l
RT: 4.54 min Scan# 1048
Delta R.T. 0.00 min
Lab File: VU026691.D
Acq: 12 Sep 2018 08:46

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 41 Resp: 71725
Ion Ratio Lower Upper
41 100
39 53.7 42.9 64.3
67 74.1 56.6 84.8
52 28.7 23.2 34.8

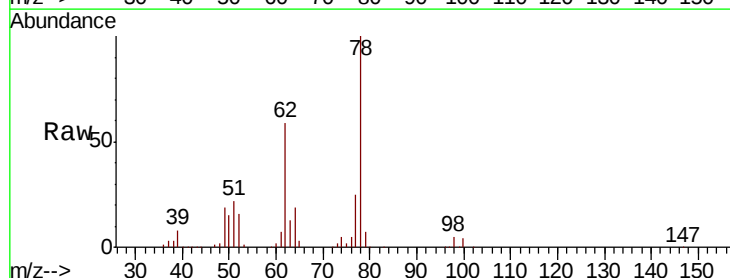


Abundance Ion 41.00 (40.70 to 41.70): VU0
Ion 39.00 (38.70 to 39.70): VU0
Ion 67.00 (66.70 to 67.70): VU0
Ion 52.00 (51.70 to 52.70): VU0

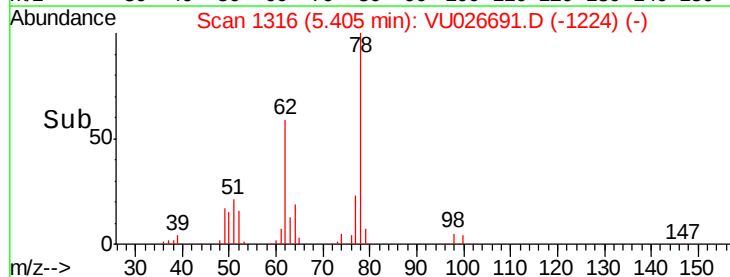
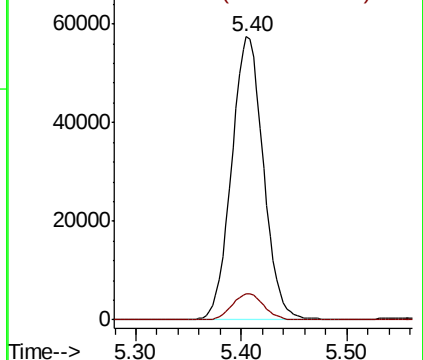


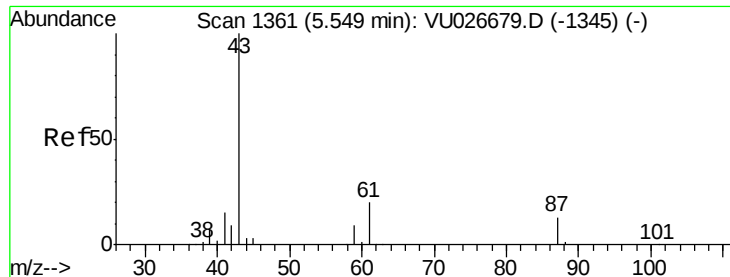
#42
1,2-Dichloroethane
Concen: 47.17 ug/l
RT: 5.40 min Scan# 1316
Delta R.T. -0.00 min
Lab File: VU026691.D
Acq: 12 Sep 2018 08:46

Tgt Ion: 62 Resp: 120262
Ion Ratio Lower Upper
62 100
98 9.2 0.0 17.8



Abundance Ion 61.90 (61.60 to 62.60): VU0
Ion 97.90 (97.60 to 98.60): VU0

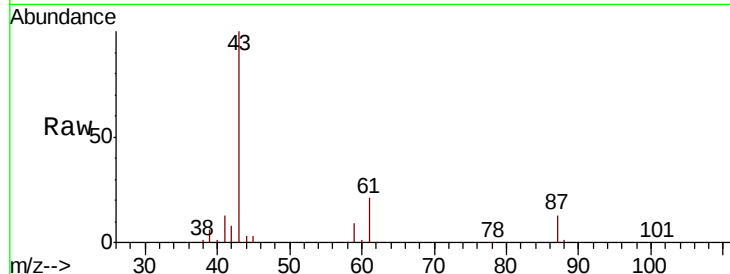




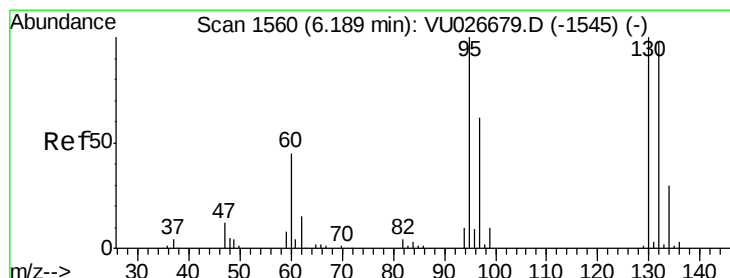
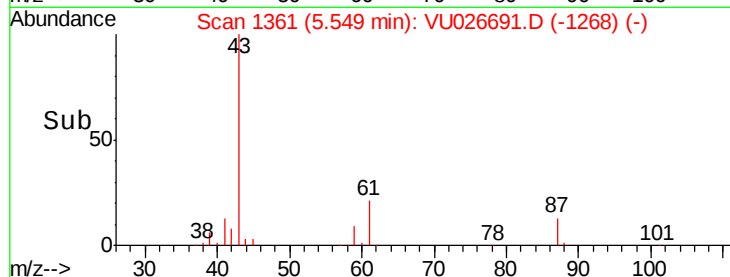
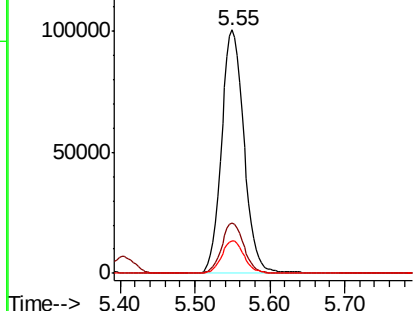
#43
Isopropyl Acetate
Concen: 49.70 ug/l
RT: 5.55 min Scan# 1361
Delta R.T. 0.00 min
Lab File: VU026691.D
Acq: 12 Sep 2018 08:46

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 43 Resp: 209537
Ion Ratio Lower Upper
43 100
61 20.5 16.0 24.0
87 13.1 10.1 15.1

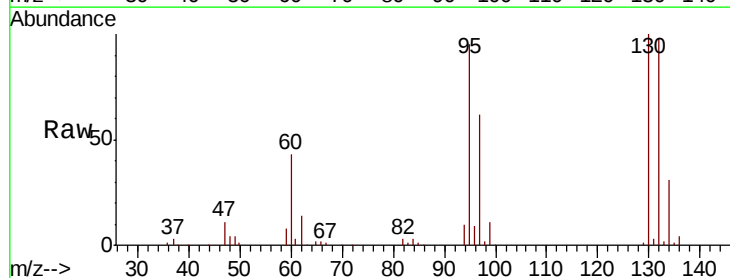


Abundance Ion 43.00 (42.70 to 43.70): VU0
Ion 61.00 (60.70 to 61.70): VU0
Ion 87.00 (86.70 to 87.70): VU0

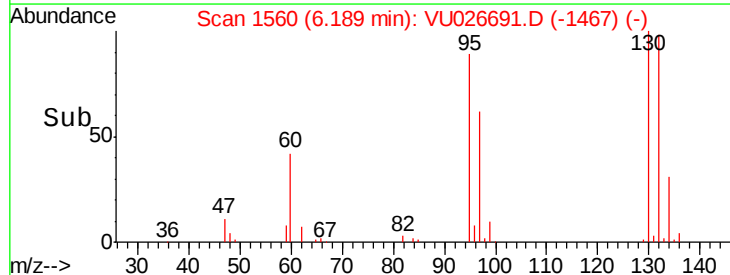
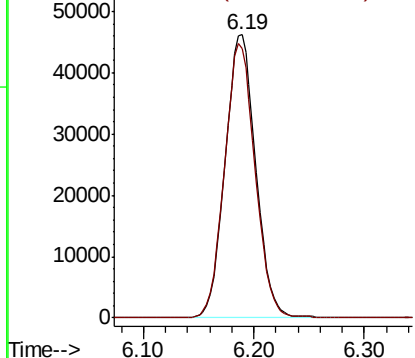


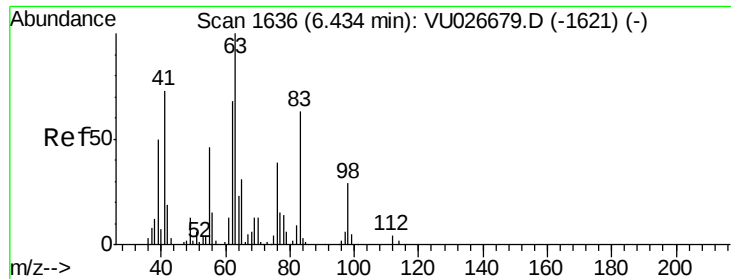
#44
Trichloroethene
Concen: 50.17 ug/l
RT: 6.19 min Scan# 1560
Delta R.T. 0.00 min
Lab File: VU026691.D
Acq: 12 Sep 2018 08:46

Tgt Ion:130 Resp: 88781
Ion Ratio Lower Upper
130 100
95 95.2 0.0 199.4



Abundance Ion 129.80 (129.50 to 130.50): V
Ion 94.90 (94.60 to 95.60): VU0

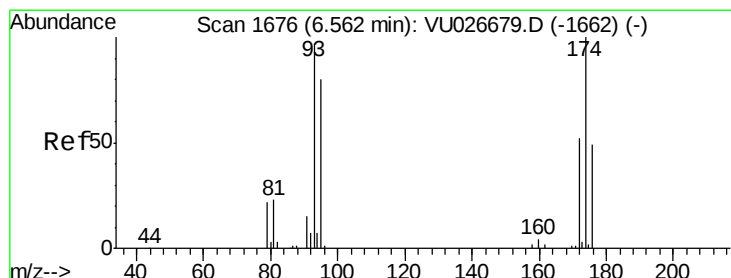
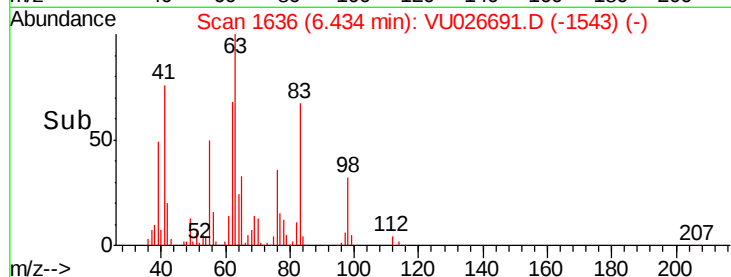
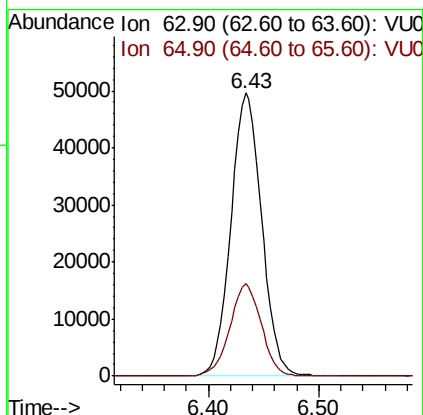
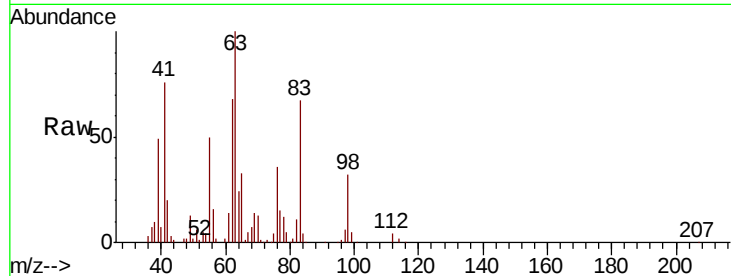




#45
 1,2-Dichloropropane
 Concen: 49.40 ug/l
 RT: 6.43 min Scan# 1636
 Delta R.T. 0.00 min
 Lab File: VU026691.D
 Acq: 12 Sep 2018 08:46

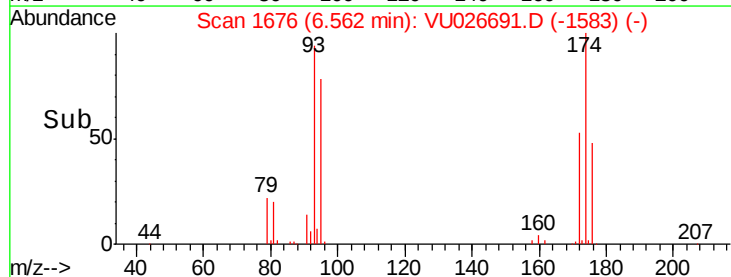
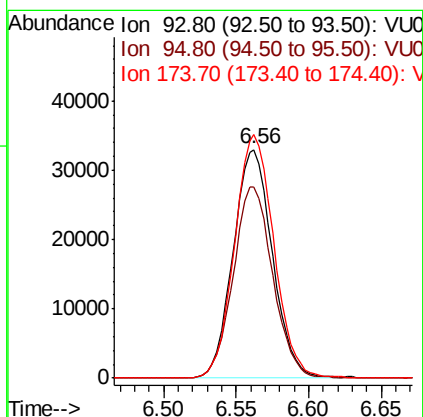
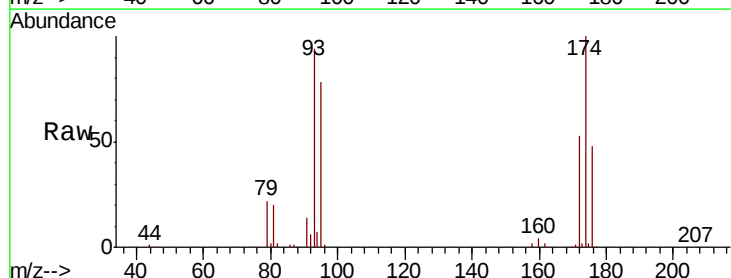
Instrument :
 MSVOA_U
 ClientSampleId :

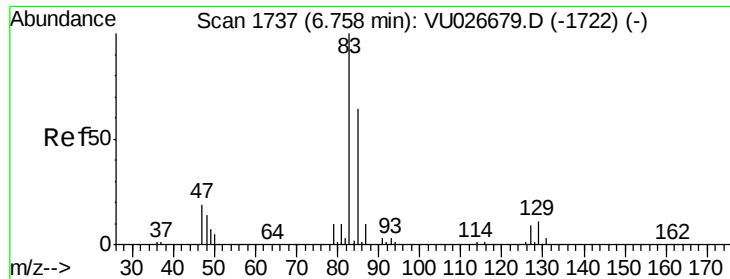
Tot Ion: 63 Resp: 96020
 Ion Ratio Lower Upper
 63 100
 65 32.8 25.0 37.4



#46
 Dibromomethane
 Concen: 49.45 ug/l
 RT: 6.56 min Scan# 1676
 Delta R.T. 0.00 min
 Lab File: VU026691.D
 Acq: 12 Sep 2018 08:46

Tgt Ion: 93 Resp: 62028
 Ion Ratio Lower Upper
 93 100
 95 84.3 65.4 98.2
 174 107.0 81.6 122.4





#47

Bromodichloromethane

Concen: 48.50 ug/l

RT: 6.76 min Scan# 1737

Delta R.T. 0.00 min

Lab File: VU026691.D

Acq: 12 Sep 2018 08:46

Instrument :

MSVOA_U

ClientSampleId :

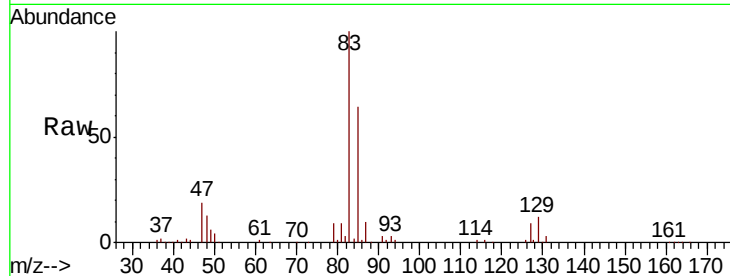
Tot Ion: 83 Resp: 119801

Ion Ratio Lower Upper

83 100

85 64.3 51.1 76.7

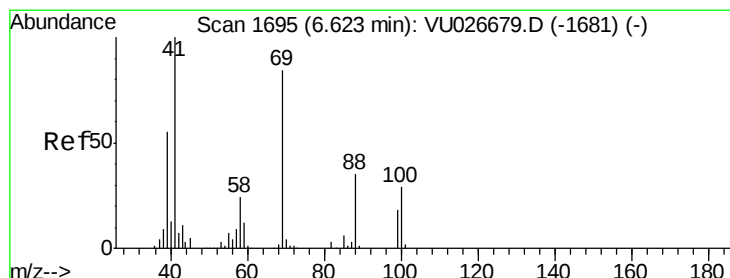
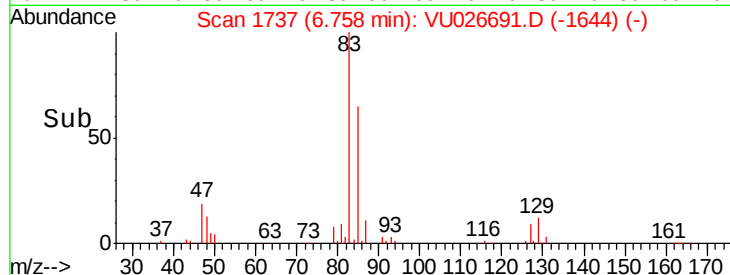
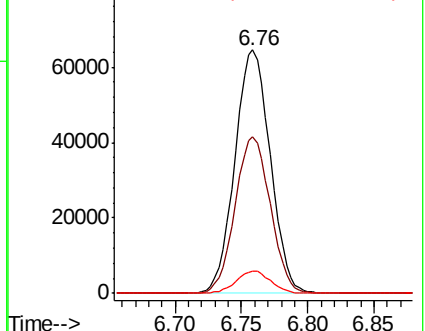
127 9.1 6.9 10.3



Abundance Ion 82.90 (82.60 to 83.60): VU0

Ion 84.90 (84.60 to 85.60): VU0

Ion 126.80 (126.50 to 127.50): V



#48

Methyl methacrylate

Concen: 45.34 ug/l

RT: 6.62 min Scan# 1695

Delta R.T. 0.00 min

Lab File: VU026691.D

Acq: 12 Sep 2018 08:46

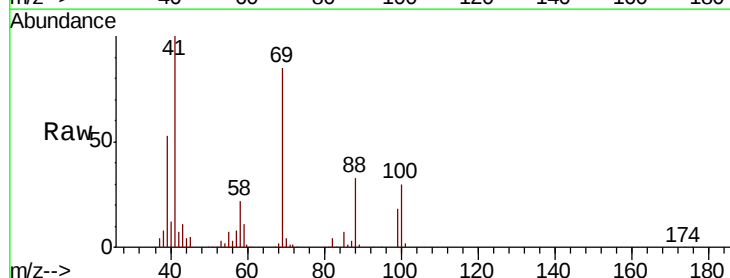
Tgt Ion: 41 Resp: 104188

Ion Ratio Lower Upper

41 100

69 86.0 66.6 99.8

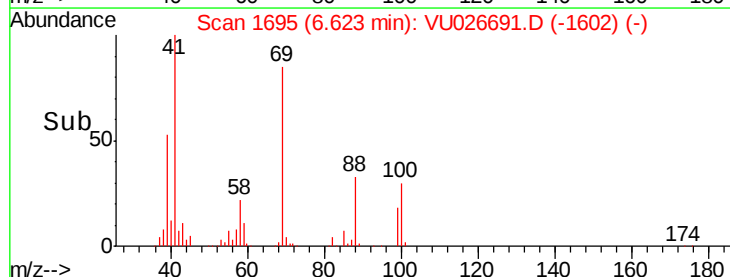
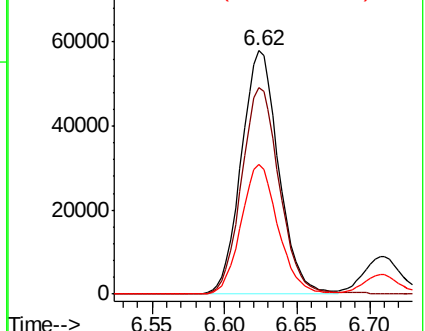
39 52.6 43.6 65.4

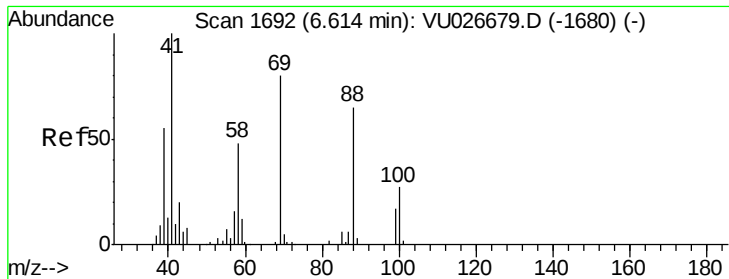


Abundance Ion 41.00 (40.70 to 41.70): VU0

Ion 69.00 (68.70 to 69.70): VU0

Ion 39.00 (38.70 to 39.70): VU0

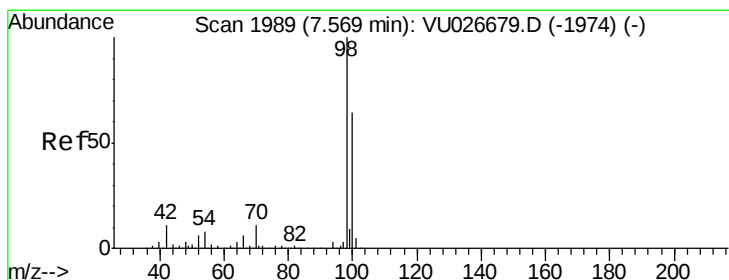
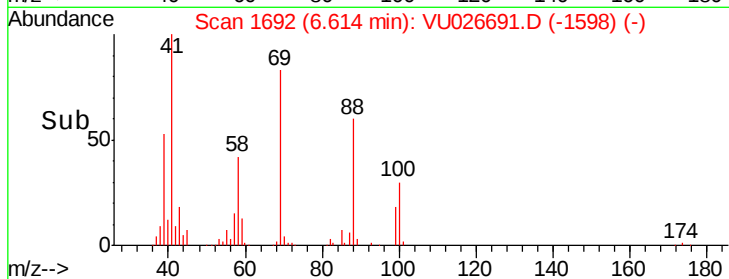
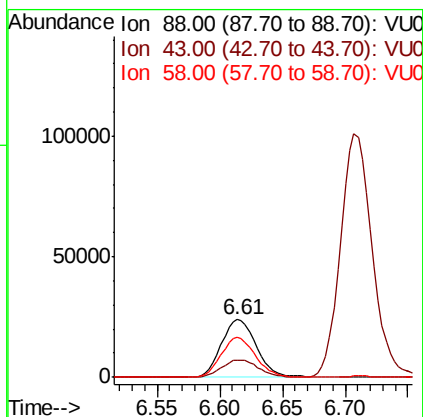
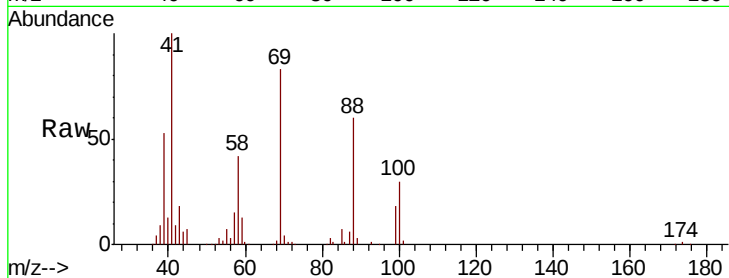




#49
1,4-Dioxane
Concen: 887.69 ug/l
RT: 6.61 min Scan# 1692
Delta R.T. 0.00 min
Lab File: VU026691.D
Acq: 12 Sep 2018 08:46

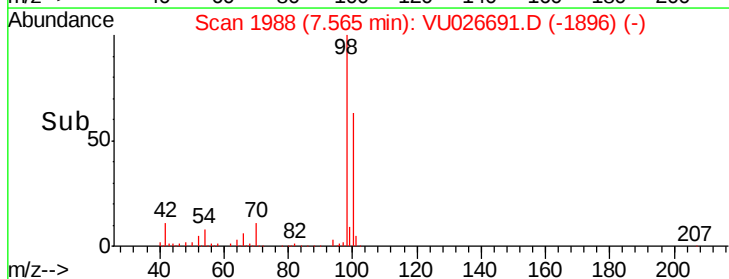
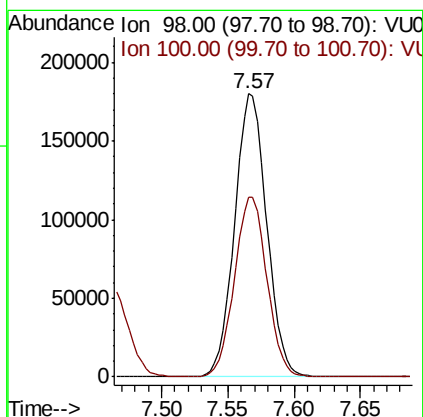
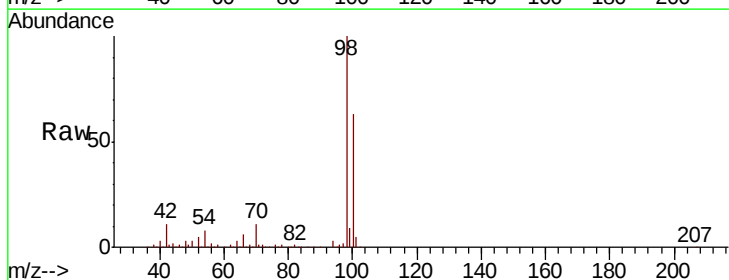
Instrument :
MSVOA_U
ClientSampled :

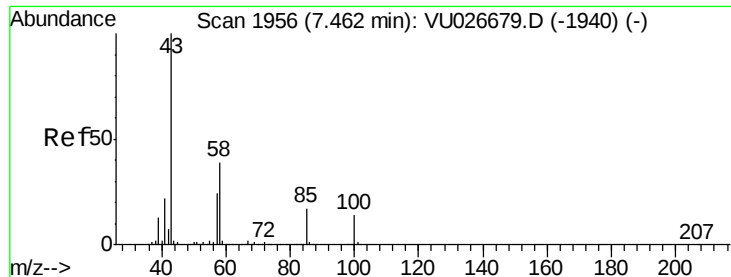
Tot Ion: 88 Resp: 46710
Ion Ratio Lower Upper
88 100
43 31.4 25.5 38.3
58 68.5 58.2 87.4



#50
Toluene-d8
Concen: 48.95 ug/l
RT: 7.57 min Scan# 1988
Delta R.T. -0.00 min
Lab File: VU026691.D
Acq: 12 Sep 2018 08:46

Tgt Ion: 98 Resp: 302834
Ion Ratio Lower Upper
98 100
100 64.4 51.2 76.8





#51

4-Methyl-2-Pentanone

Concen: 238.00 ug/l

RT: 7.46 min Scan# 1956

Delta R.T. 0.00 min

Lab File: VU026691.D

Acq: 12 Sep 2018 08:46

Instrument :

MSVOA_U

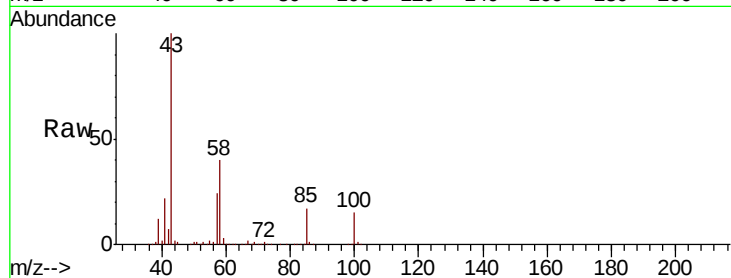
ClientSampled :

Tot Ion: 43 Resp: 671171

Ion Ratio Lower Upper

43 100

58 39.5 31.1 46.7



Abundance Ion 43.00 (42.70 to 43.70): VU026691.D (-1940) (-)

Ion 58.00 (57.70 to 58.70): VU026691.D (-1940) (-)

7.46

400000

300000

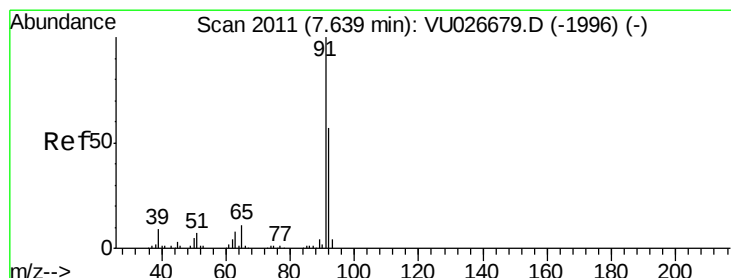
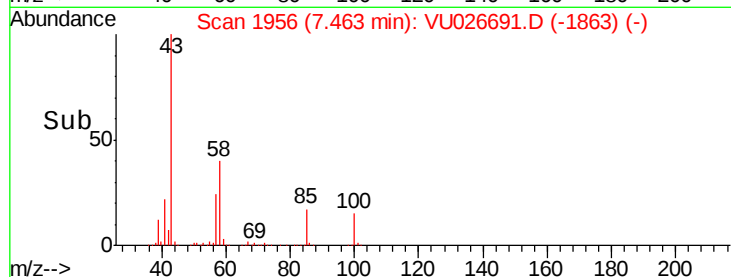
200000

100000

0

7.40 7.50

Time-->



#52

Toluene

Concen: 50.43 ug/l

RT: 7.64 min Scan# 2111

Delta R.T. 0.00 min

Lab File: VU026691.D

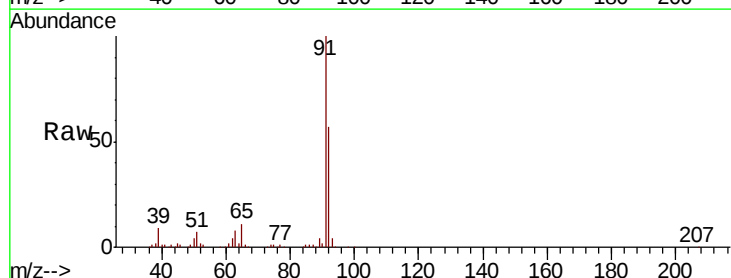
Acq: 12 Sep 2018 08:46

Tgt Ion: 92 Resp: 214794

Ion Ratio Lower Upper

92 100

91 174.7 141.1 211.7



Abundance Ion 92.00 (91.70 to 92.70): VU026691.D (-1996) (-)

Ion 91.00 (90.70 to 91.70): VU026691.D (-1996) (-)

7.64

250000

200000

150000

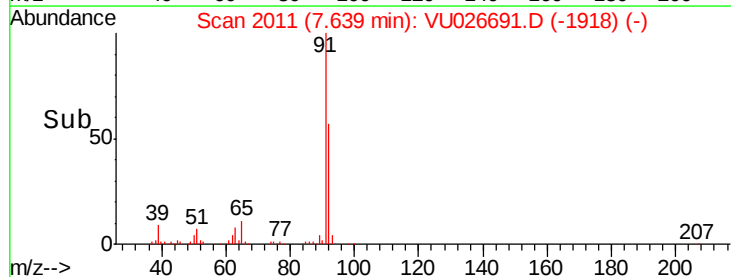
100000

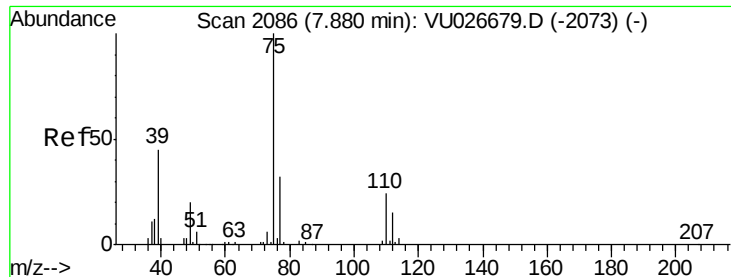
50000

0

7.55 7.60 7.65 7.70

Time-->

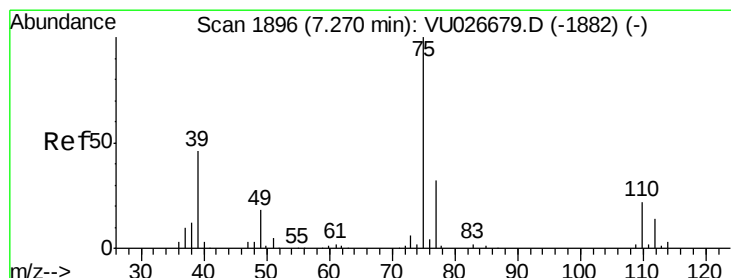
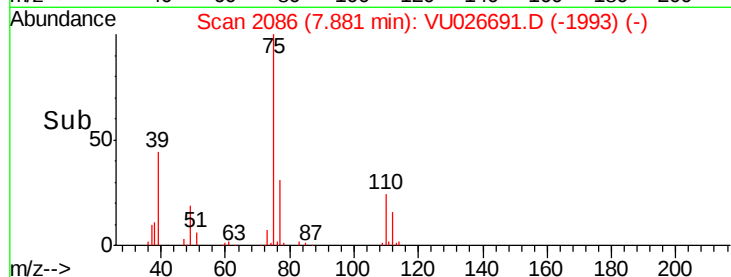
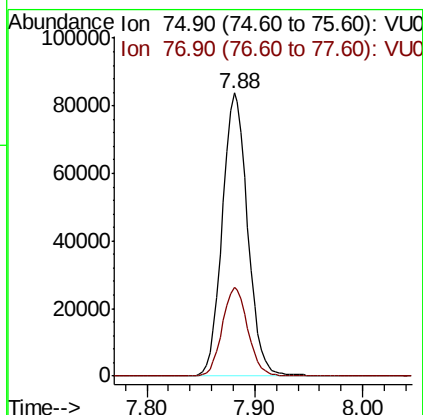
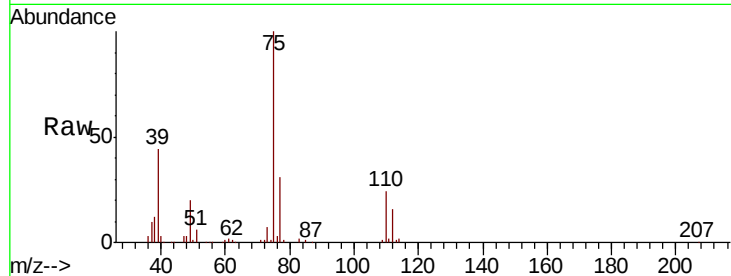




#53
 t-1,3-Dichloropropene
 Concen: 50.01 ug/l
 RT: 7.88 min Scan# 2086
 Delta R.T. 0.00 min
 Lab File: VU026691.D
 Acq: 12 Sep 2018 08:46

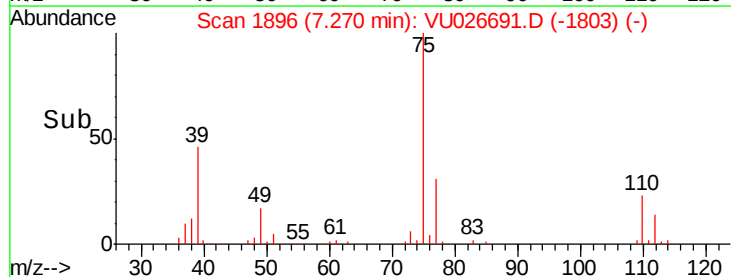
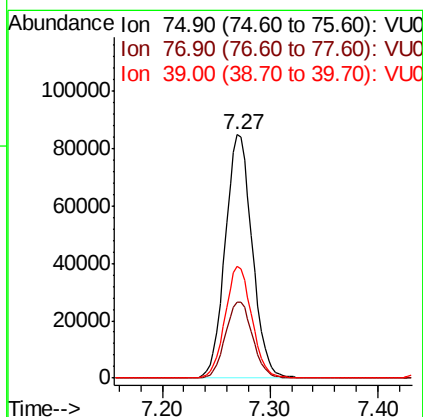
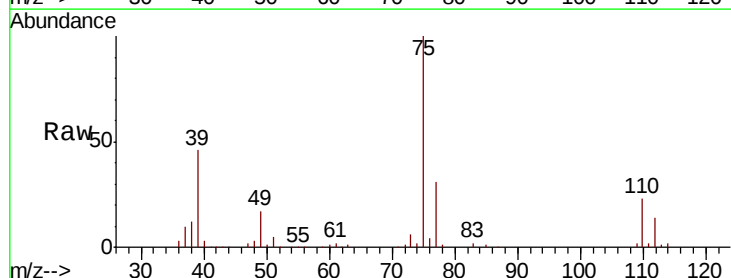
Instrument :
 MSVOA_U
 ClientSampleId :

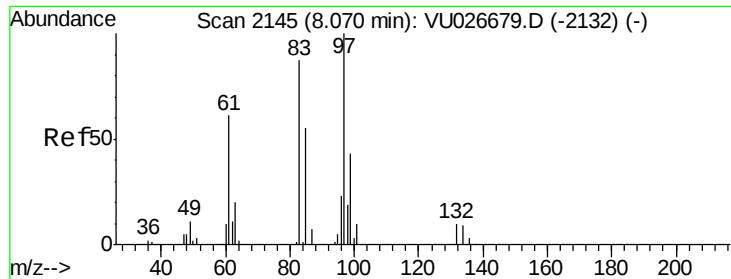
Tot Ion: 75 Resp: 137023
 Ion Ratio Lower Upper
 75 100
 77 31.3 25.2 37.8



#54
 cis-1,3-Dichloropropene
 Concen: 50.16 ug/l
 RT: 7.27 min Scan# 1896
 Delta R.T. 0.00 min
 Lab File: VU026691.D
 Acq: 12 Sep 2018 08:46

Tgt Ion: 75 Resp: 147572
 Ion Ratio Lower Upper
 75 100
 77 31.4 25.5 38.3
 39 45.9 37.0 55.6

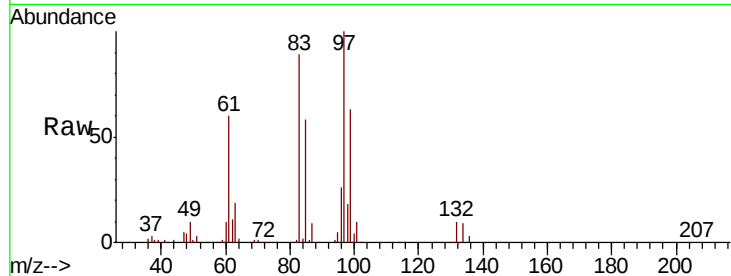




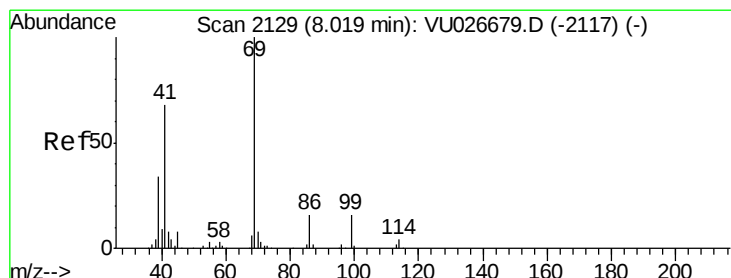
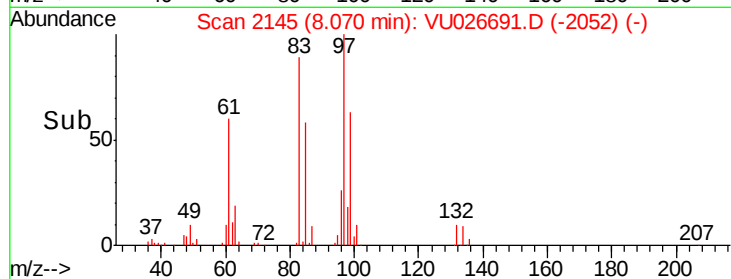
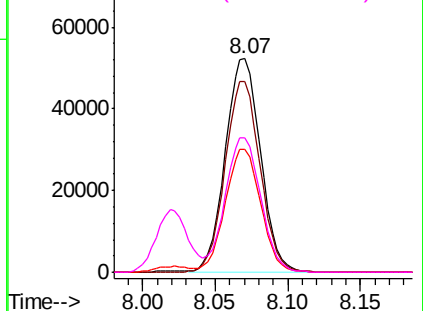
#55
 1,1,2-Trichloroethane
 Concen: 48.51 ug/l
 RT: 8.07 min Scan# 2145
 Delta R.T. 0.00 min
 Lab File: VU026691.D
 Acq: 12 Sep 2018 08:46

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion:	97	Resp:	88536
Ion	Ratio	Lower	Upper
97	100		
83	89.2	69.3	103.9
85	57.8	45.9	68.9
99	63.0	50.1	75.1

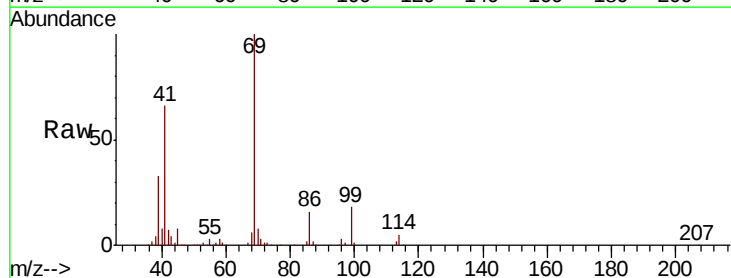


Abundance Ion 96.90 (96.60 to 97.60): VU0
 Ion 82.90 (82.60 to 83.60): VU0
 Ion 84.90 (84.60 to 85.60): VU0
 Ion 98.90 (98.60 to 99.60): VU0

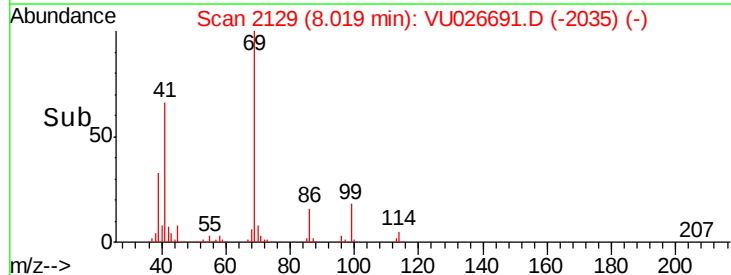
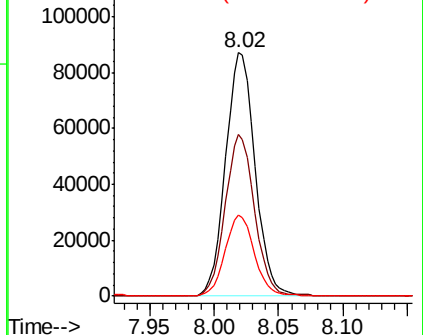


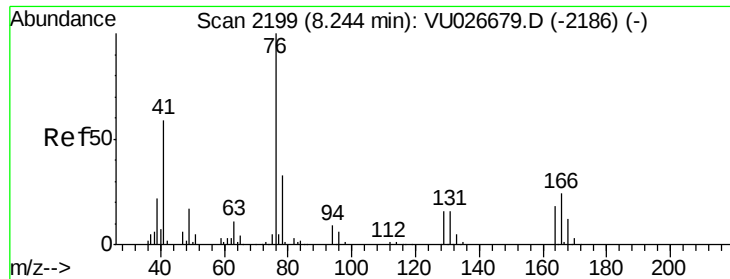
#56
 Ethyl methacrylate
 Concen: 45.38 ug/l
 RT: 8.02 min Scan# 2129
 Delta R.T. 0.00 min
 Lab File: VU026691.D
 Acq: 12 Sep 2018 08:46

Tgt Ion:	69	Resp:	138648
Ion	Ratio	Lower	Upper
69	100		
41	65.9	54.2	81.2
39	33.4	28.4	42.6



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

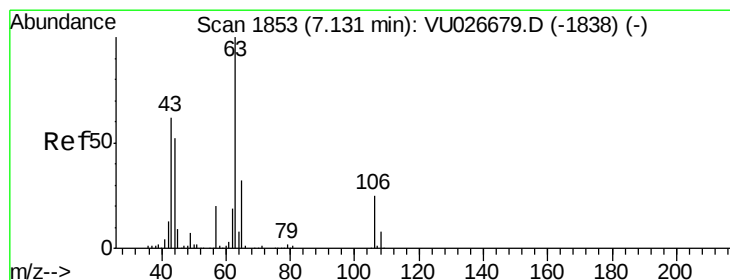
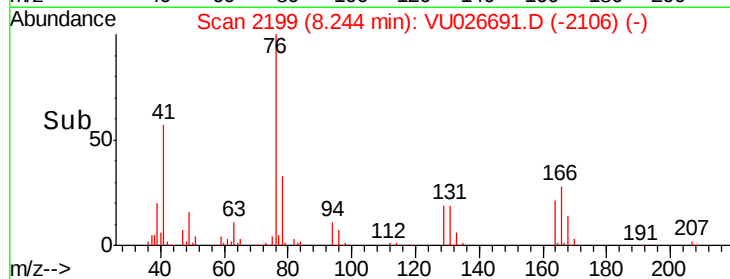
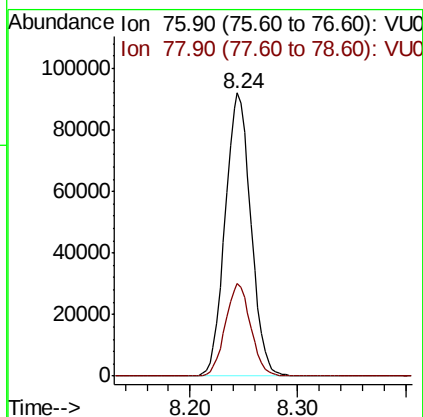
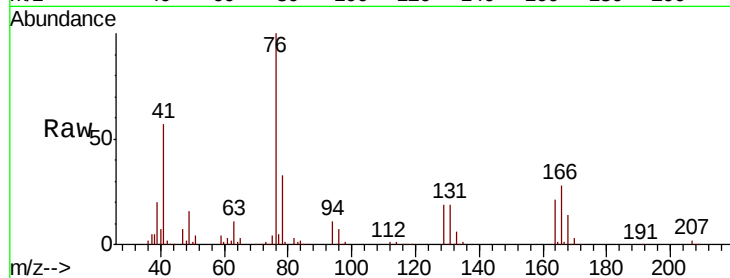




#57
 1,3-Dichloropropane
 Concen: 49.19 ug/l
 RT: 8.24 min Scan# 2199
 Delta R.T. 0.00 min
 Lab File: VU026691.D
 Acq: 12 Sep 2018 08:46

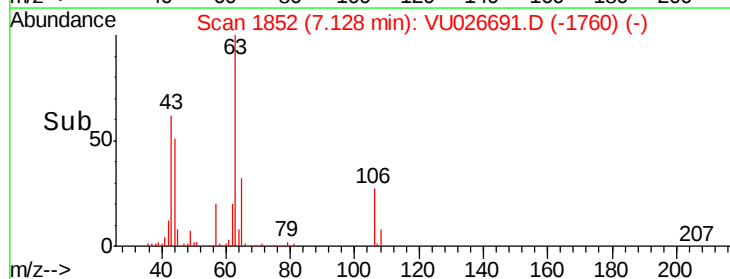
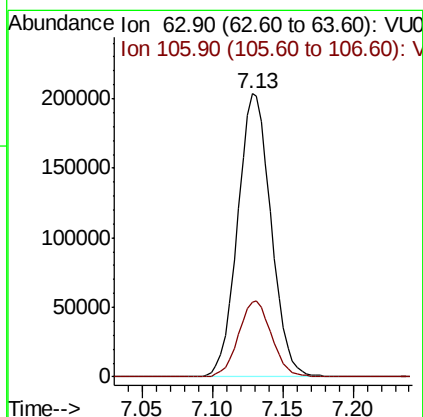
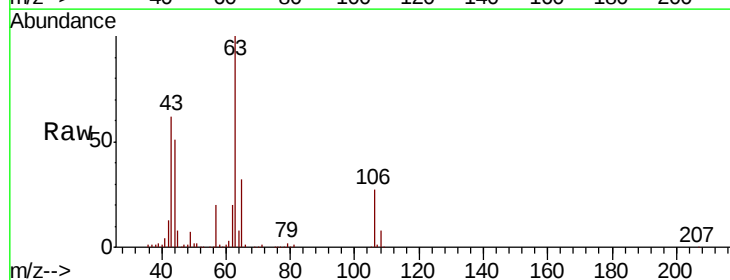
Instrument :
 MSVOA_U
 ClientSampleId :

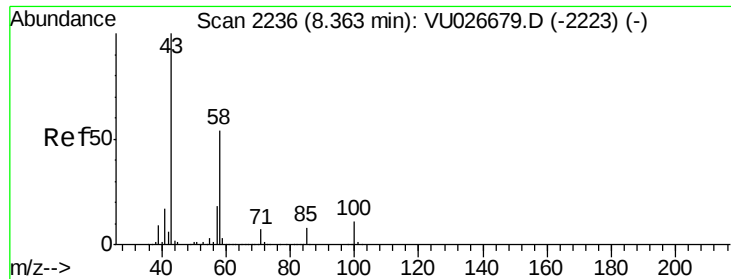
Tot Ion: 76 Resp: 153007
 Ion Ratio Lower Upper
 76 100
 78 32.0 26.0 39.0



#58
 2-Chloroethyl Vinyl ether
 Concen: 231.28 ug/l
 RT: 7.13 min Scan# 1852
 Delta R.T. -0.00 min
 Lab File: VU026691.D
 Acq: 12 Sep 2018 08:46

Tgt Ion: 63 Resp: 337573
 Ion Ratio Lower Upper
 63 100
 106 26.7 20.5 30.7

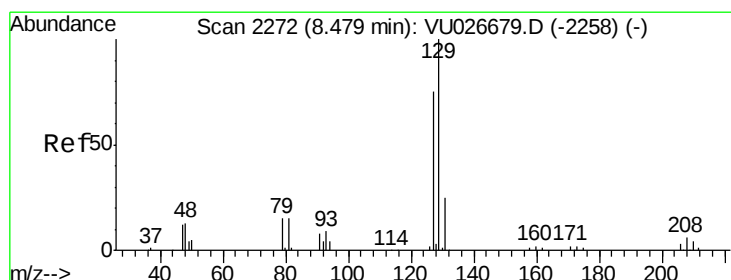
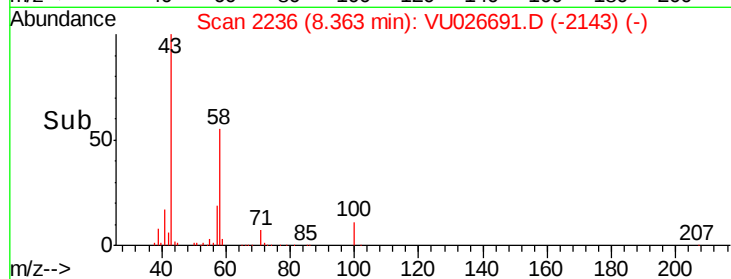
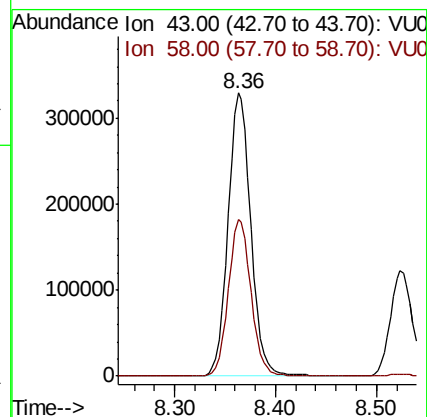
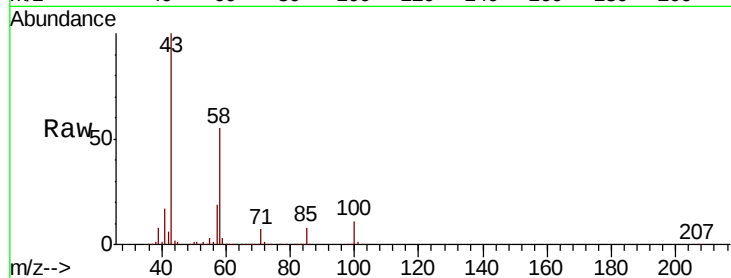




#59
2-Hexanone
Concen: 234.34 ug/l
RT: 8.36 min Scan# 2236
Delta R.T. 0.00 min
Lab File: VU026691.D
Acq: 12 Sep 2018 08:46

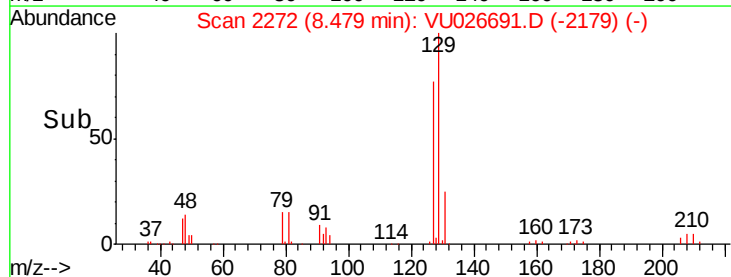
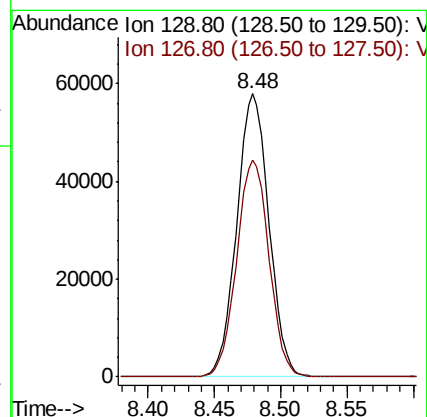
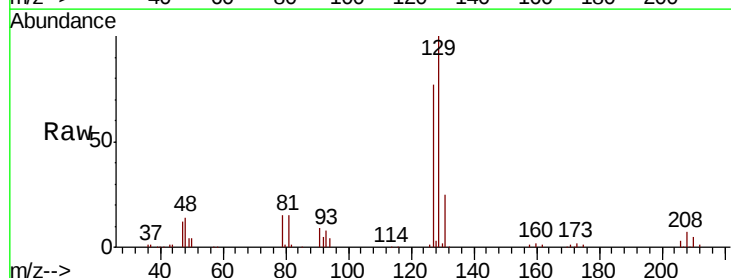
Instrument :
MSVOA_U
ClientSampleId :

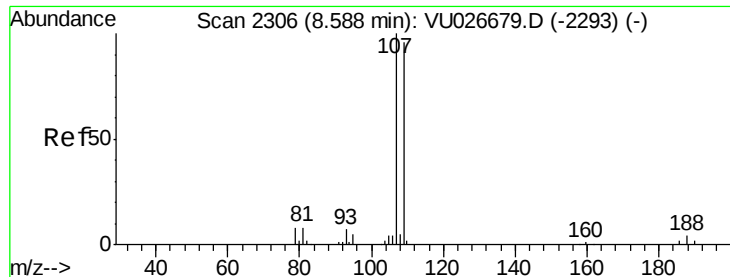
Tot Ion: 43 Resp: 520089
Ion Ratio Lower Upper
43 100
58 55.3 26.9 80.7



#60
Dibromochloromethane
Concen: 49.35 ug/l
RT: 8.48 min Scan# 2272
Delta R.T. 0.00 min
Lab File: VU026691.D
Acq: 12 Sep 2018 08:46

Tgt Ion: 129 Resp: 97535
Ion Ratio Lower Upper
129 100
127 77.3 38.3 114.9





#61

1,2-Dibromoethane

Concen: 48.87 ug/l

RT: 8.59 min Scan# 2306

Delta R.T. 0.00 min

Lab File: VU026691.D

Acq: 12 Sep 2018 08:46

Instrument :

MSVOA_U

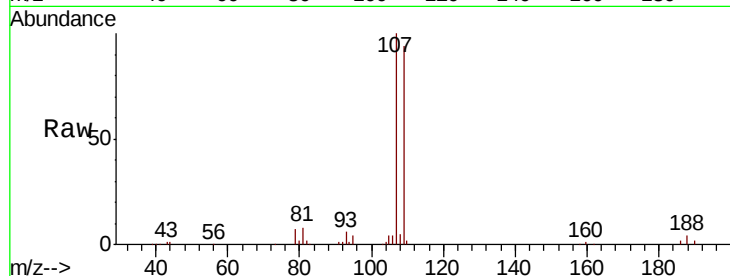
ClientSampleId :

Tot Ion:107 Resp: 96777

Ion Ratio Lower Upper

107 100

109 93.1 75.7 113.5



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

8.59

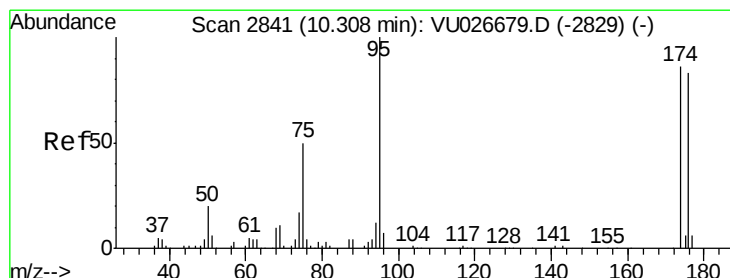
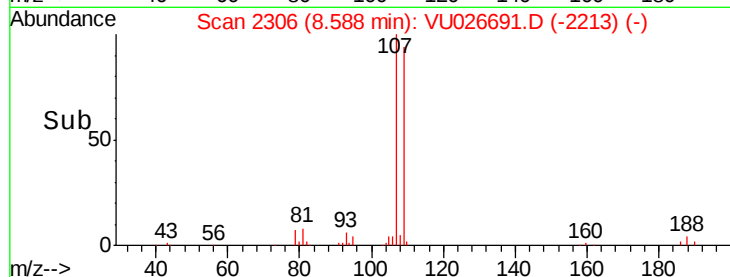
60000

40000

20000

0

Time--> 8.50 8.55 8.60 8.65 8.70



#62

4-Bromofluorobenzene

Concen: 49.43 ug/l

RT: 10.31 min Scan# 2841

Delta R.T. 0.00 min

Lab File: VU026691.D

Acq: 12 Sep 2018 08:46

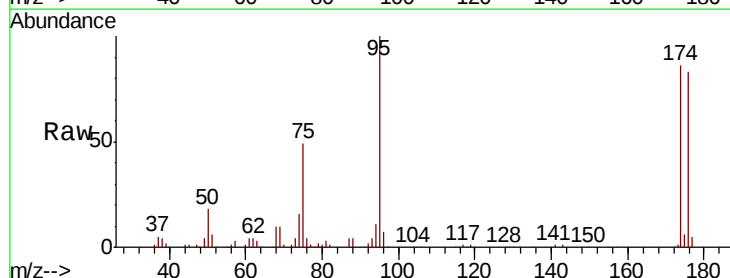
Tgt Ion: 95 Resp: 110840

Ion Ratio Lower Upper

95 100

174 87.4 0.0 172.8

176 84.8 0.0 168.6



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

100000

80000

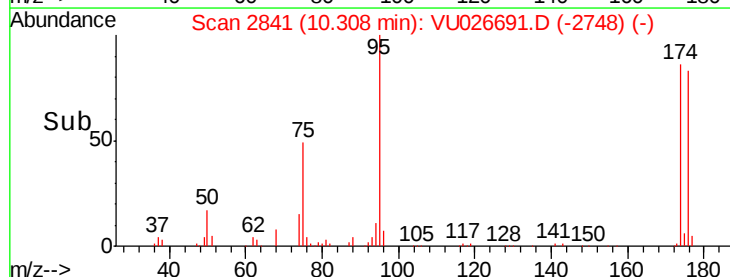
60000

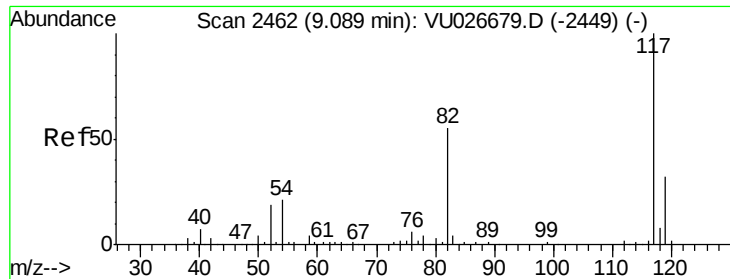
40000

20000

0

Time--> 10.25 10.30 10.35 10.40

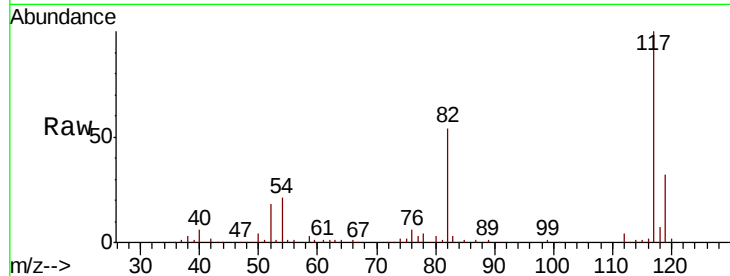




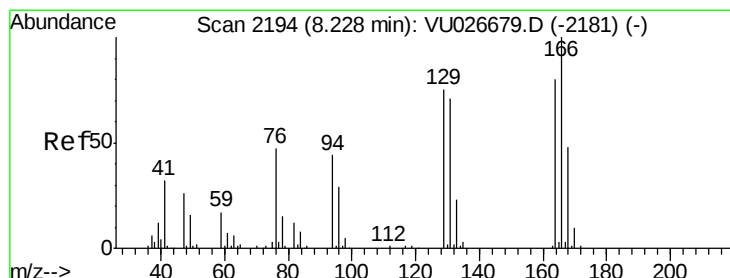
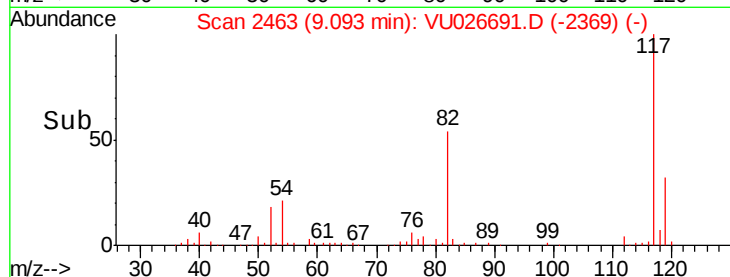
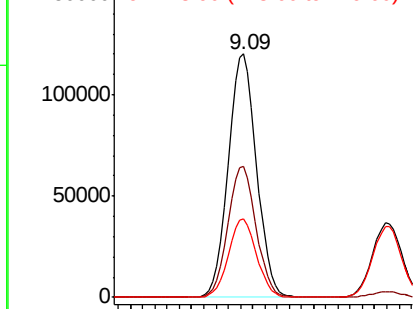
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 9.09 min Scan# 2463
Delta R.T. 0.00 min
Lab File: VU026691.D
Acq: 12 Sep 2018 08:46

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion:117 Resp: 194234
Ion Ratio Lower Upper
117 100
82 53.7 44.1 66.1
119 32.1 25.7 38.5

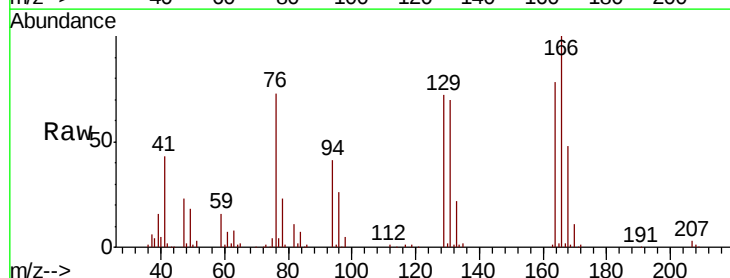


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VU0
Ion 118.90 (118.60 to 119.60): V

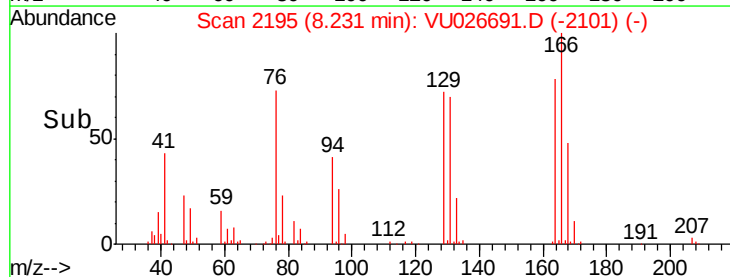
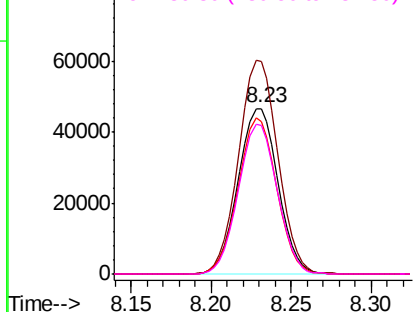


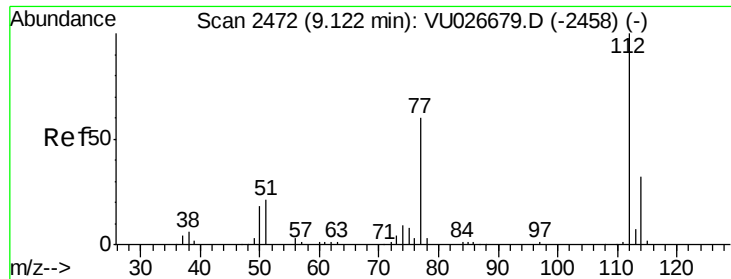
#64
Tetrachloroethene
Concen: 51.09 ug/l
RT: 8.23 min Scan# 2195
Delta R.T. 0.00 min
Lab File: VU026691.D
Acq: 12 Sep 2018 08:46

Tgt Ion:164 Resp: 78975
Ion Ratio Lower Upper
164 100
166 128.7 100.5 150.7
129 92.4 75.3 112.9
131 89.5 71.4 107.2



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

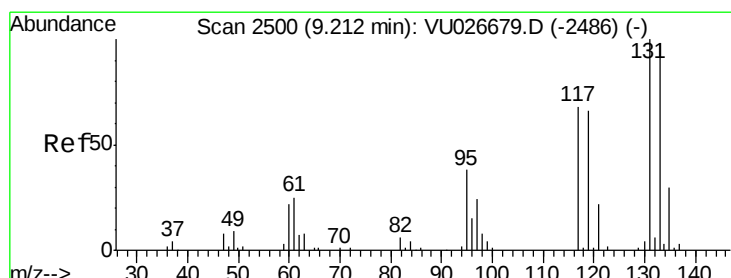
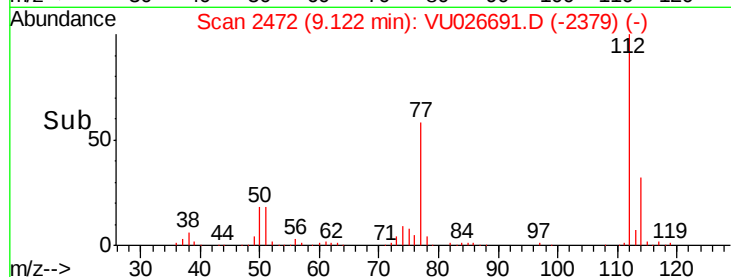
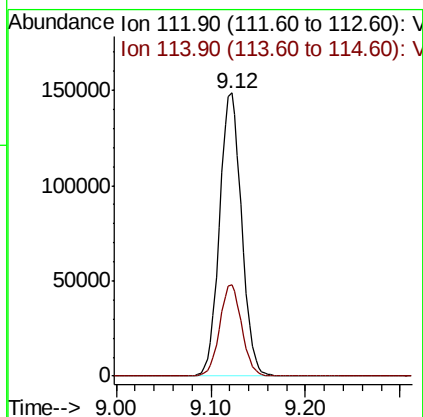
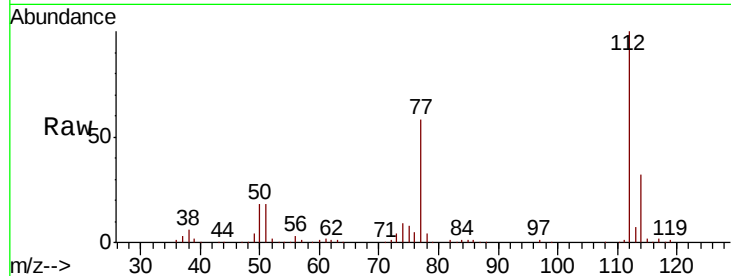




#65
Chlorobenzene
Concen: 49.95 ug/l
RT: 9.12 min Scan# 2472
Delta R.T. 0.00 min
Lab File: VU026691.D
Acq: 12 Sep 2018 08:46

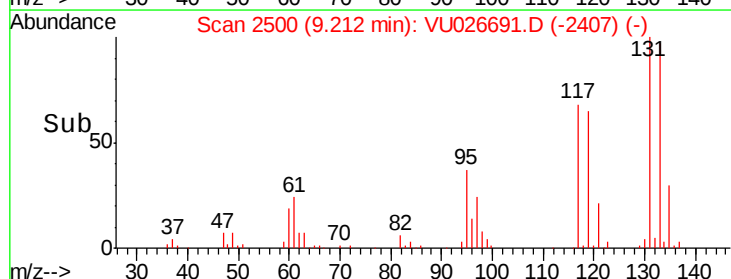
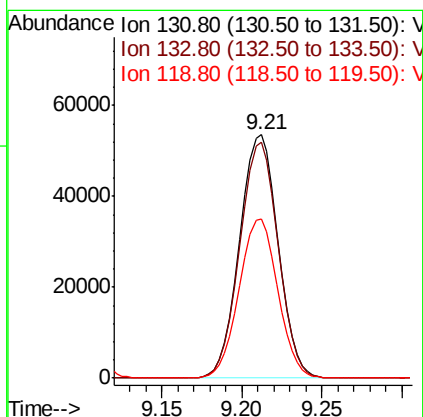
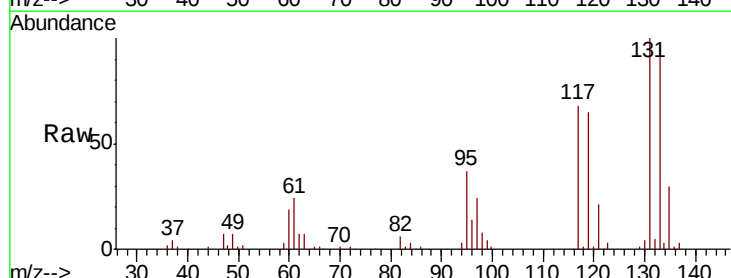
Instrument :
MSVOA_U
ClientSampleId :

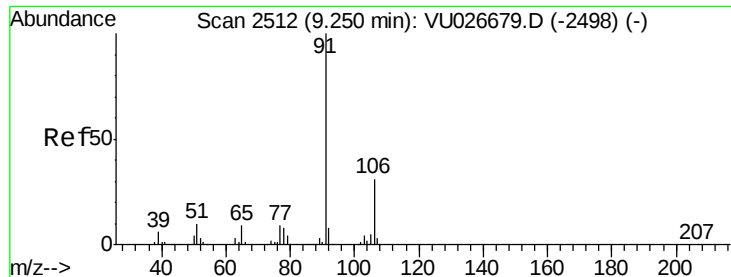
Tot Ion:112 Resp: 241024
Ion Ratio Lower Upper
112 100
114 32.5 25.5 38.3



#66
1,1,1,2-Tetrachloroethane
Concen: 49.56 ug/l
RT: 9.21 min Scan# 2500
Delta R.T. 0.00 min
Lab File: VU026691.D
Acq: 12 Sep 2018 08:46

Tgt Ion:131 Resp: 87992
Ion Ratio Lower Upper
131 100
133 96.7 48.9 146.6
119 65.8 32.7 98.1





#67

Ethyl Benzene

Concen: 52.18 ug/l

RT: 9.25 min Scan# 2512

Delta R.T. 0.00 min

Lab File: VU026691.D

Acq: 12 Sep 2018 08:46

Instrument :

MSVOA_U

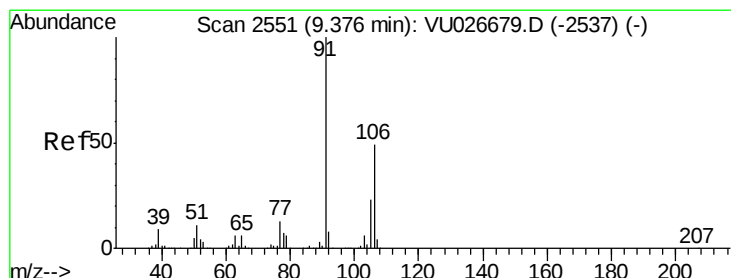
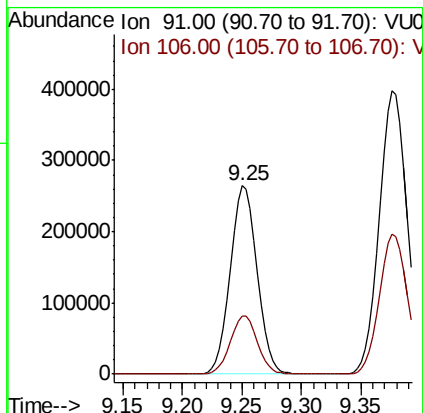
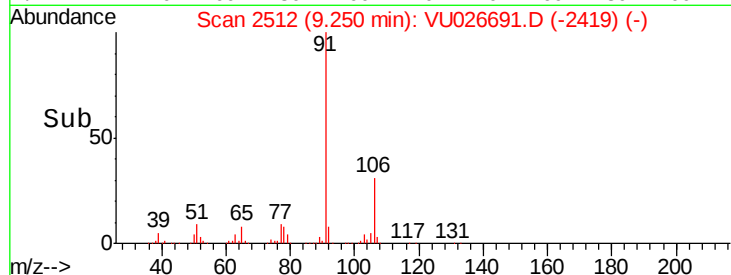
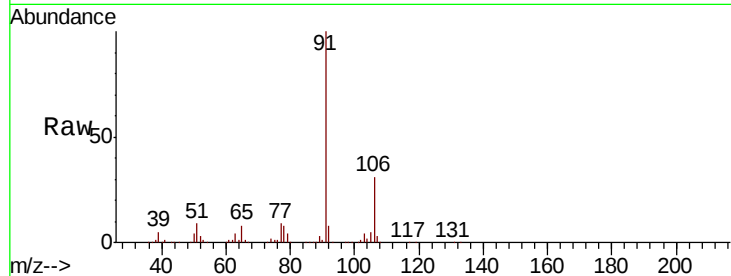
ClientSampleId :

Tot Ion: 91 Resp: 414751

Ion Ratio Lower Upper

91 100

106 31.0 25.0 37.4



#68

m/p-Xylenes

Concen: 106.20 ug/l

RT: 9.38 min Scan# 2551

Delta R.T. 0.00 min

Lab File: VU026691.D

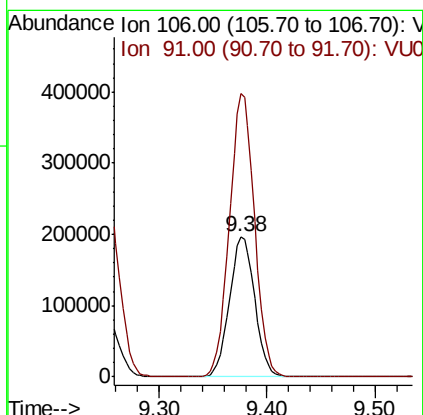
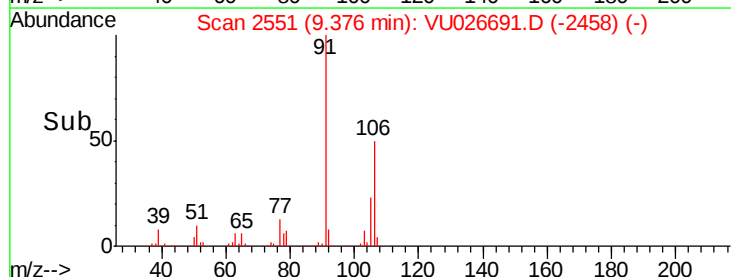
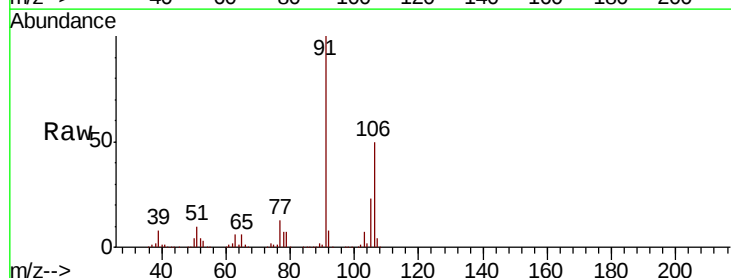
Acq: 12 Sep 2018 08:46

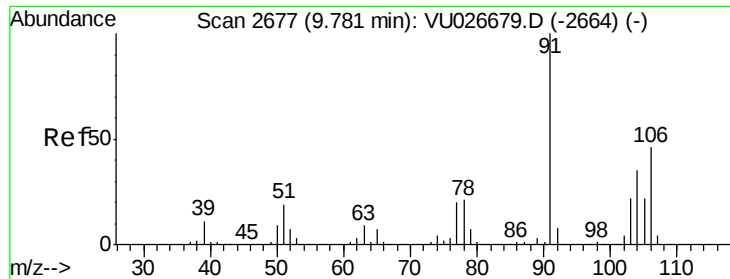
Tgt Ion: 106 Resp: 321126

Ion Ratio Lower Upper

106 100

91 200.6 162.1 243.1

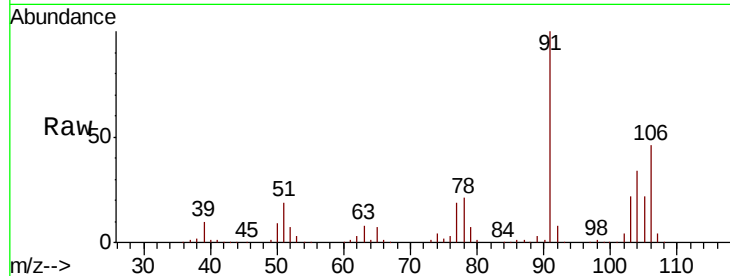




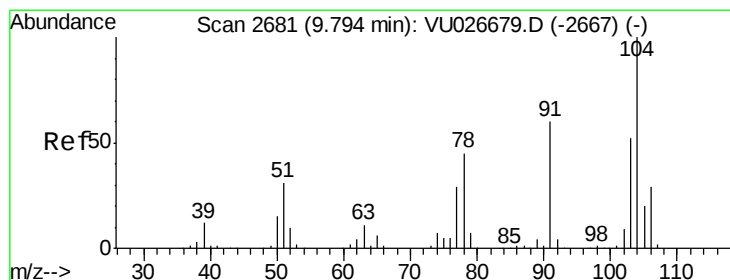
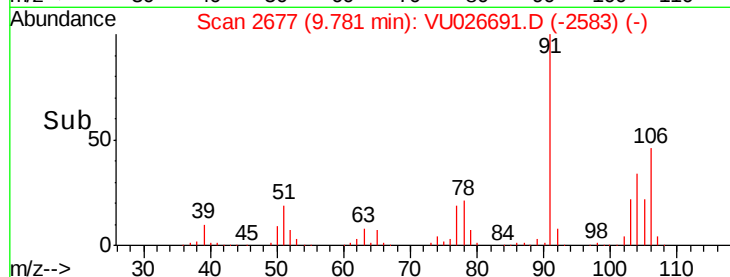
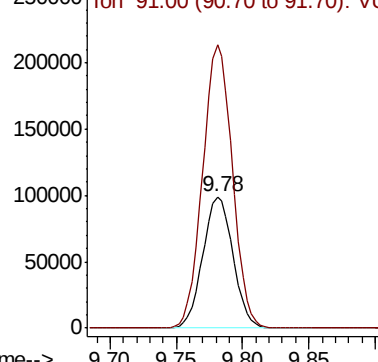
#69
o-Xylene
Concen: 48.36 ug/l
RT: 9.78 min Scan# 2677
Delta R.T. 0.00 min
Lab File: VU026691.D
Acq: 12 Sep 2018 08:46

Instrument :
MSVOA_U
ClientSampled :

Tot Ion:106 Resp: 156095
Ion Ratio Lower Upper
106 100
91 212.9 106.9 320.8

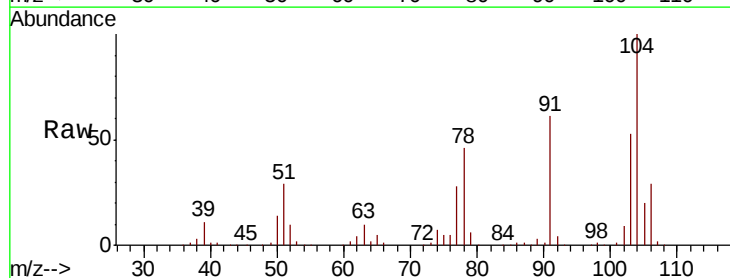


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VU0

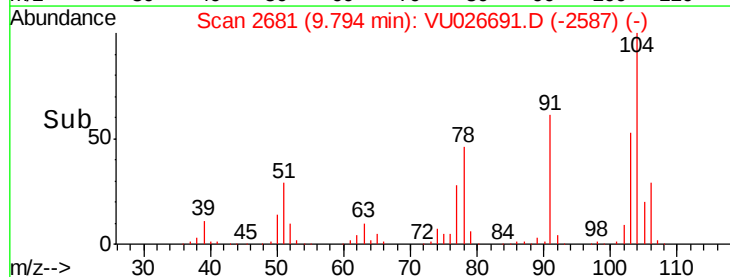
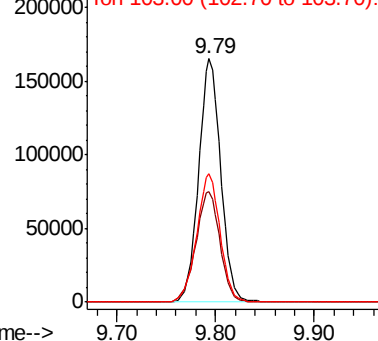


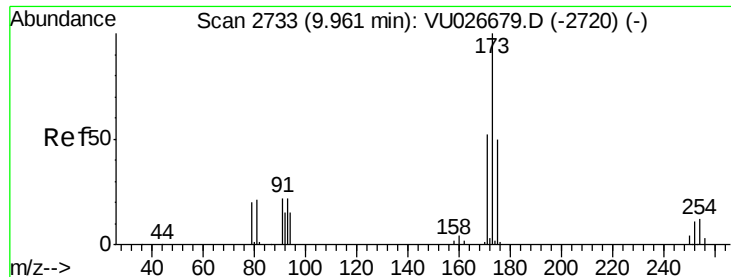
#70
Styrene
Concen: 47.69 ug/l
RT: 9.79 min Scan# 2681
Delta R.T. 0.00 min
Lab File: VU026691.D
Acq: 12 Sep 2018 08:46

Tgt Ion:104 Resp: 259083
Ion Ratio Lower Upper
104 100
78 49.7 39.4 59.2
103 55.7 44.5 66.7



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: 51.56 ug/l

RT: 9.96 min Scan# 2733

Delta R.T. 0.00 min

Lab File: VU026691.D

Acq: 12 Sep 2018 08:46

Instrument :
MSVOA_U
ClientSampled :

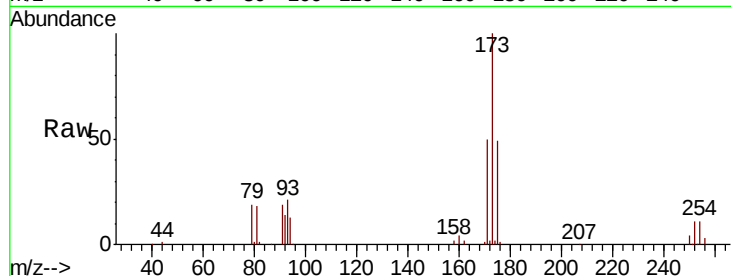
Tot Ion:173 Resp: 79616

Ion Ratio Lower Upper

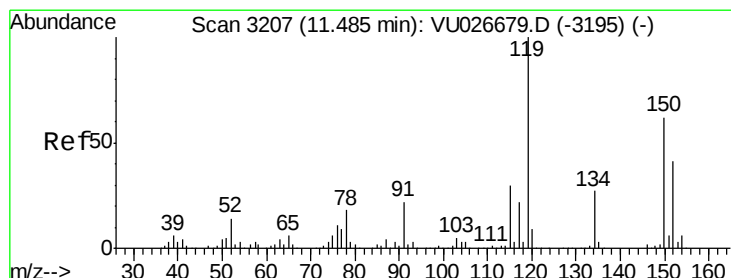
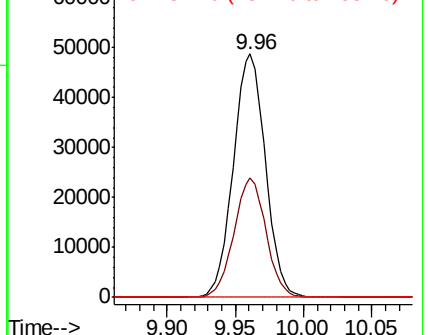
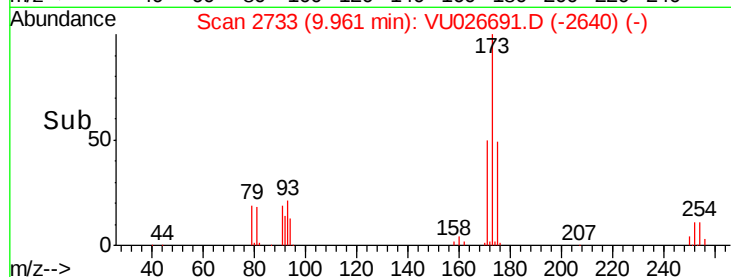
173 100

175 48.9 24.7 74.1

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: 50.00 ug/l

RT: 11.48 min Scan# 3207

Delta R.T. 0.00 min

Lab File: VU026691.D

Acq: 12 Sep 2018 08:46

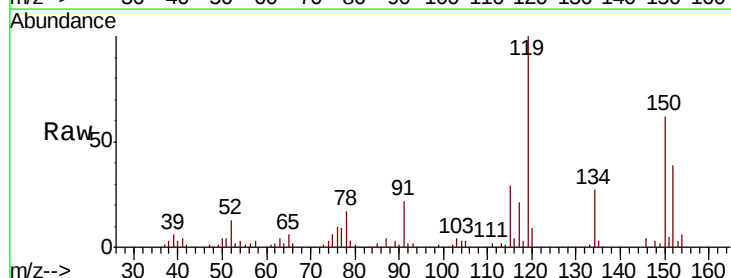
Tgt Ion:152 Resp: 115167

Ion Ratio Lower Upper

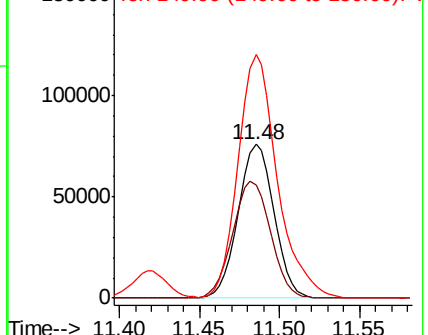
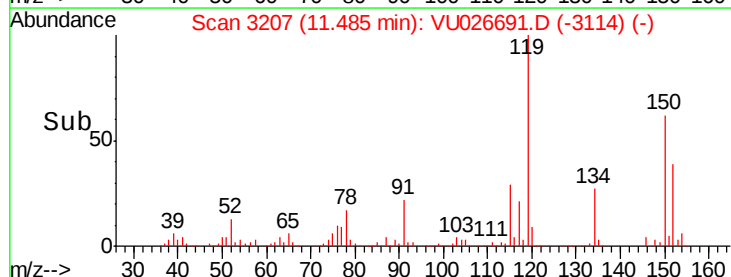
152 100

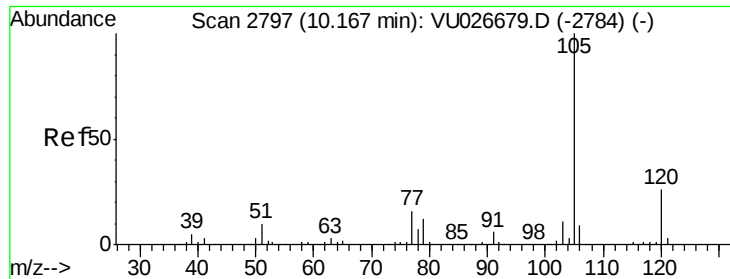
115 80.6 40.4 121.1

150 173.8 0.0 345.2



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: 53.22 ug/l

RT: 10.17 min Scan# 2797

Delta R.T. 0.00 min

Lab File: VU026691.D

Acq: 12 Sep 2018 08:46

Instrument :

MSVOA_U

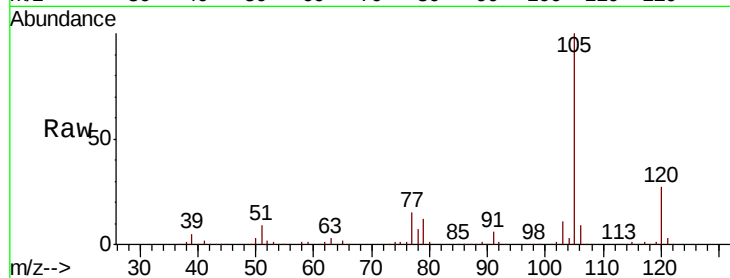
ClientSampleId :

Tot Ion:105 Resp: 417663

Ion Ratio Lower Upper

105 100

120 26.8 13.3 39.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

300000

250000

200000

150000

100000

50000

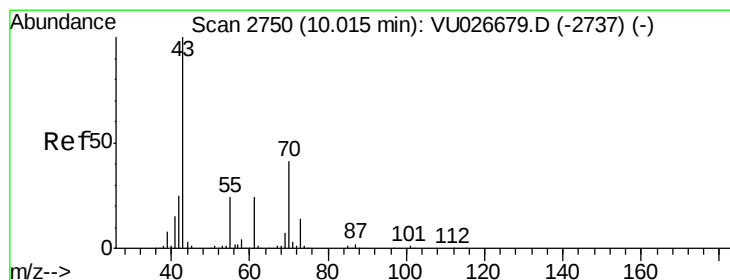
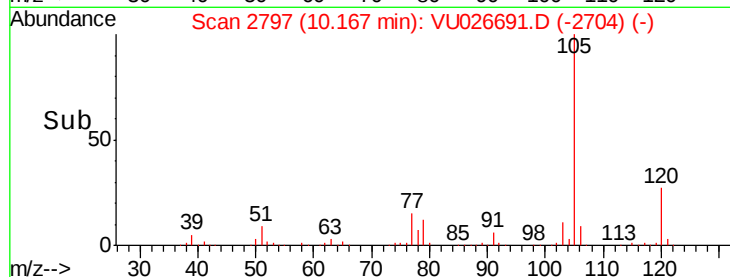
0

10.10

10.17

10.20

Time-->



#74

N-ethyl acetate

Concen: 51.42 ug/l

RT: 10.02 min Scan# 2750

Delta R.T. 0.00 min

Lab File: VU026691.D

Acq: 12 Sep 2018 08:46

Tgt Ion: 43 Resp: 190518

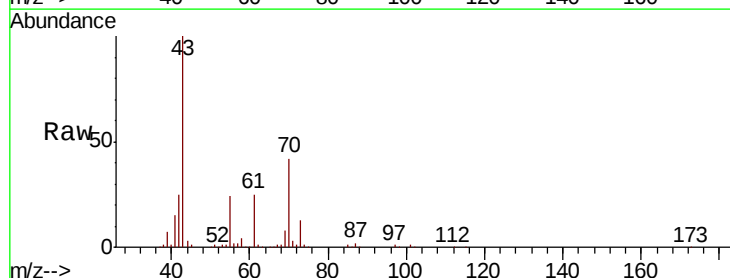
Ion Ratio Lower Upper

43 100

70 42.1 32.6 48.8

55 23.9 19.1 28.7

61 24.8 19.4 29.0



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

200000

150000

100000

50000

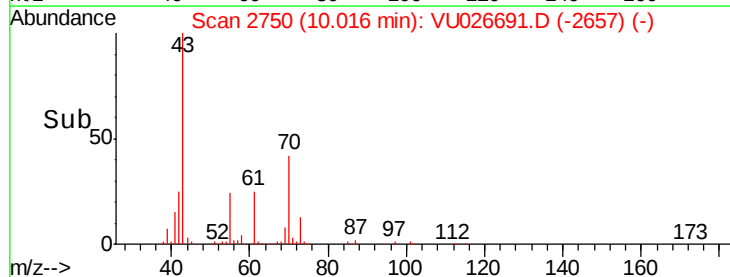
0

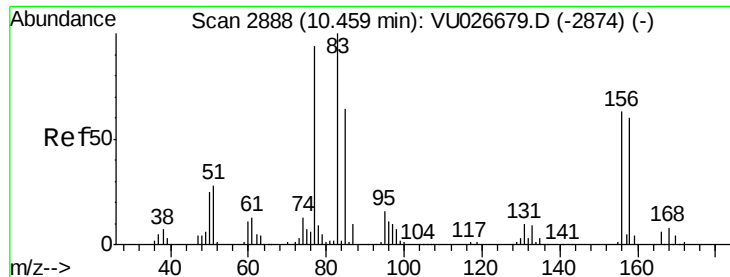
10.00

10.02

10.10

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 46.57 ug/l

RT: 10.46 min Scan# 2888

Delta R.T. 0.00 min

Lab File: VU026691.D

Acq: 12 Sep 2018 08:46

Instrument :

MSVOA_U

ClientSampleId :

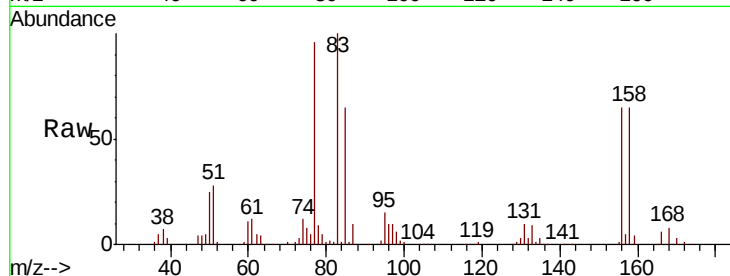
Tot Ion: 83 Resp: 148950

Ion Ratio Lower Upper

83 100

131 9.9 4.9 14.6

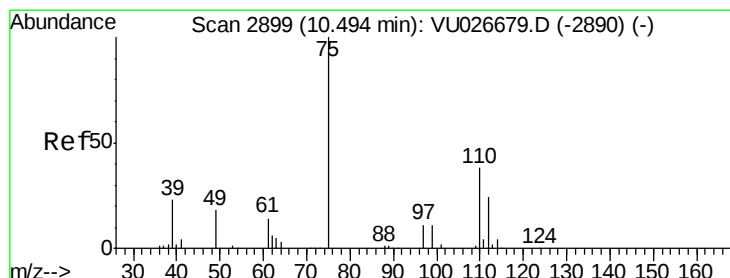
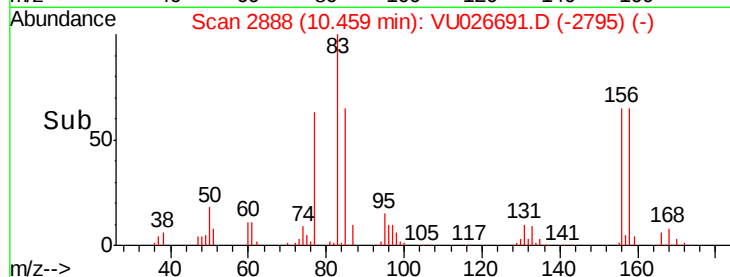
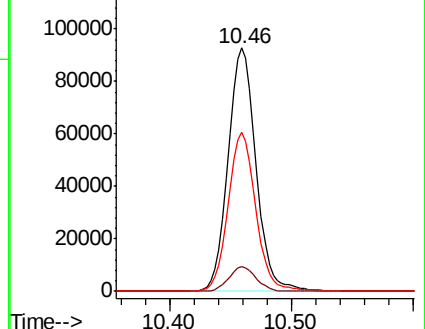
85 65.0 32.3 96.9



Abundance Ion 82.90 (82.60 to 83.60): VU026691.D (-2874) (-)

Ion 130.80 (130.50 to 131.50): VU026691.D (-2874) (-)

Ion 84.90 (84.60 to 85.60): VU026691.D (-2874) (-)



#76

1,2,3-Trichloropropane

Concen: 66.56 ug/l

RT: 10.49 min Scan# 2899

Delta R.T. 0.00 min

Lab File: VU026691.D

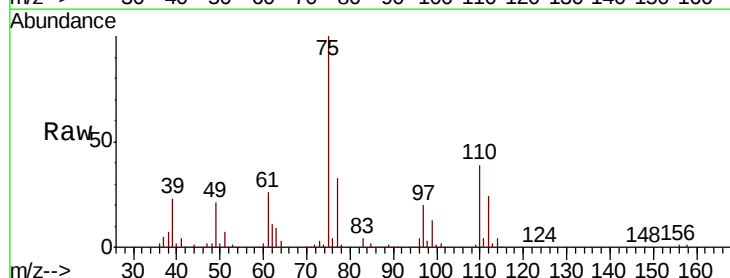
Acq: 12 Sep 2018 08:46

Tgt Ion: 75 Resp: 171713

Ion Ratio Lower Upper

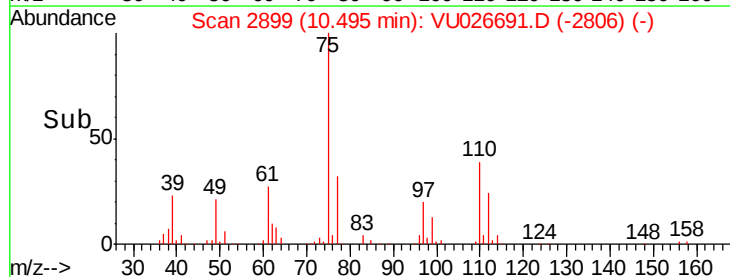
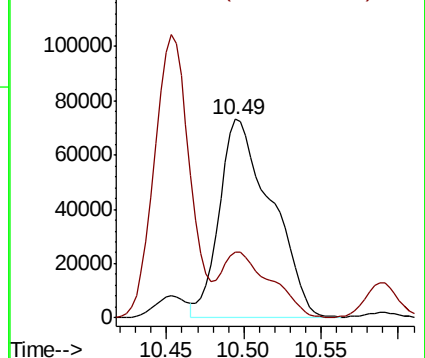
75 100

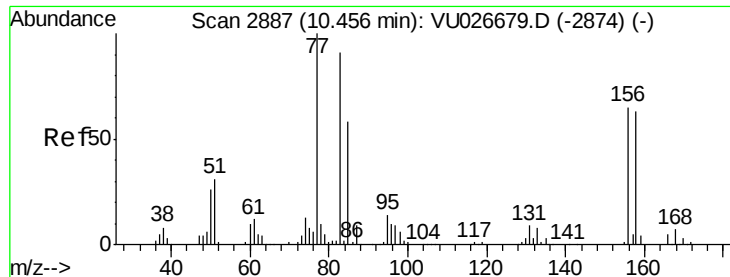
77 30.4 21.1 63.1



Abundance Ion 74.90 (74.60 to 75.60): VU026691.D (-2890) (-)

Ion 77.00 (76.70 to 77.70): VU026691.D (-2890) (-)





#77

Bromobenzene

Concen: 50.98 ug/l

RT: 10.45 min Scan# 2886

Delta R.T. -0.00 min

Lab File: VU026691.D

Acq: 12 Sep 2018 08:46

Instrument :

MSVOA_U

ClientSampleId :

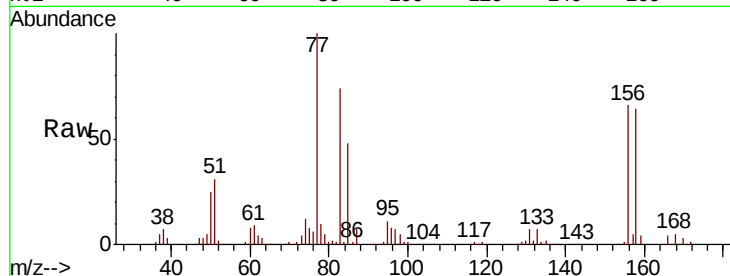
Tot Ion:156 Resp: 108738

Ion Ratio Lower Upper

156 100

77 152.0 77.6 232.9

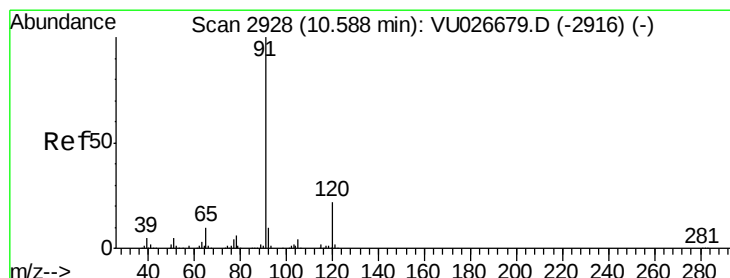
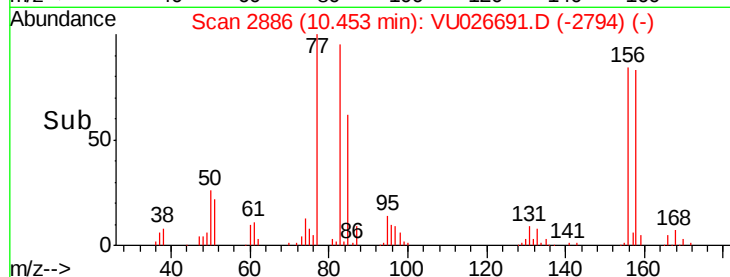
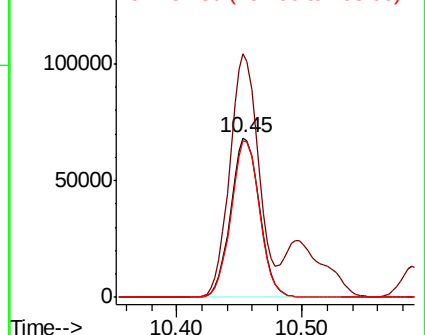
158 97.2 48.9 146.6



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: 54.17 ug/l

RT: 10.59 min Scan# 2928

Delta R.T. 0.00 min

Lab File: VU026691.D

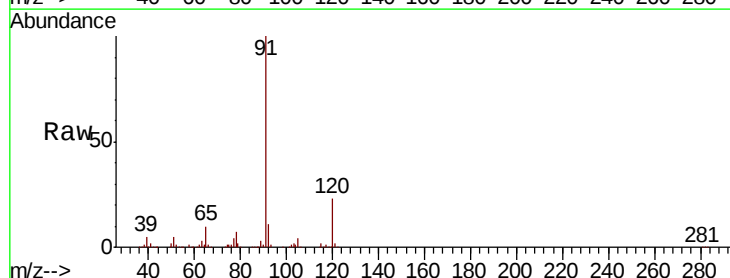
Acq: 12 Sep 2018 08:46

Tgt Ion: 91 Resp: 494426

Ion Ratio Lower Upper

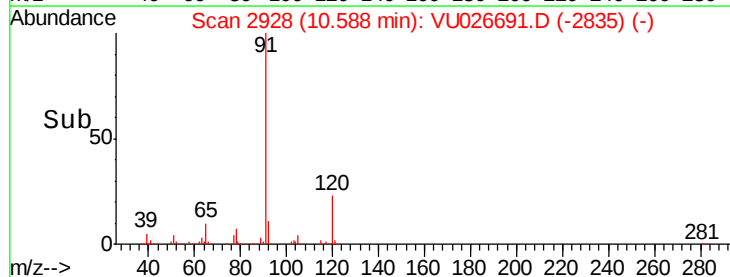
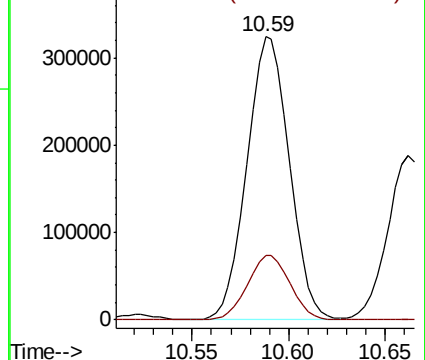
91 100

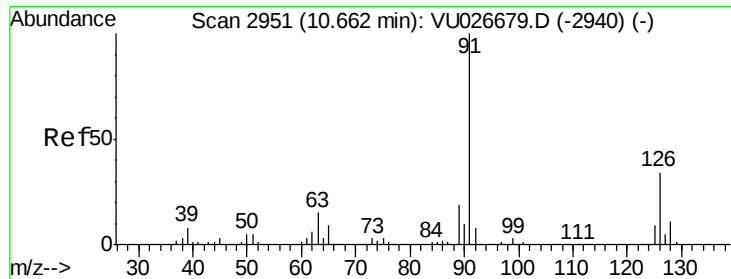
120 23.0 11.4 34.1



Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 120.00 (119.70 to 120.70): V

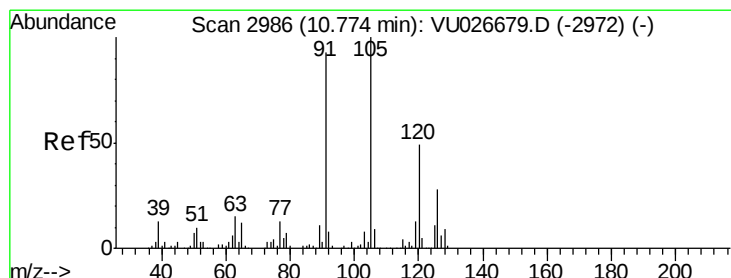
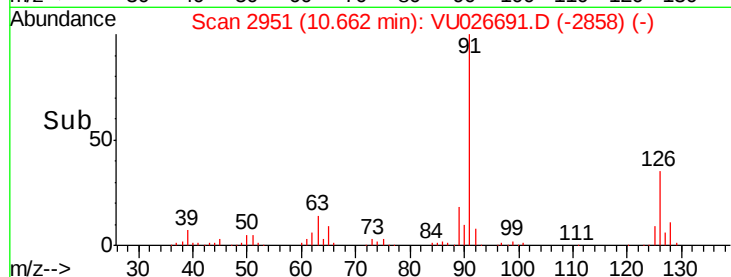
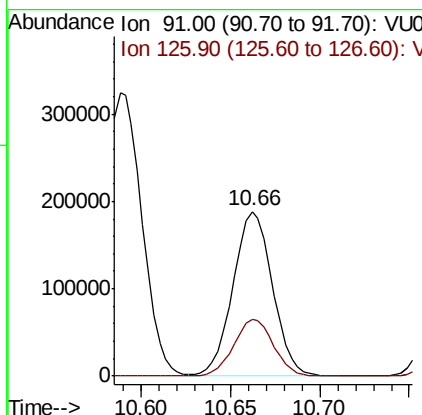
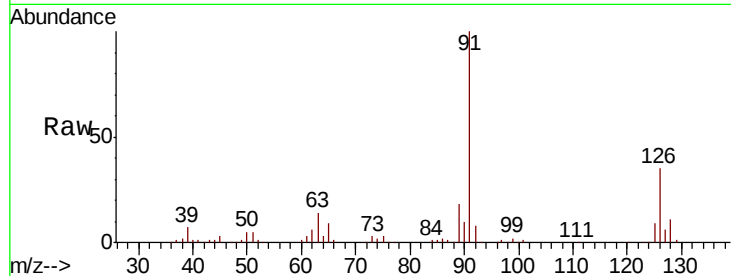




#79
 2-Chlorotoluene
 Concen: 51.24 ug/l
 RT: 10.66 min Scan# 2951
 Delta R.T. 0.00 min
 Lab File: VU026691.D
 Acq: 12 Sep 2018 08:46

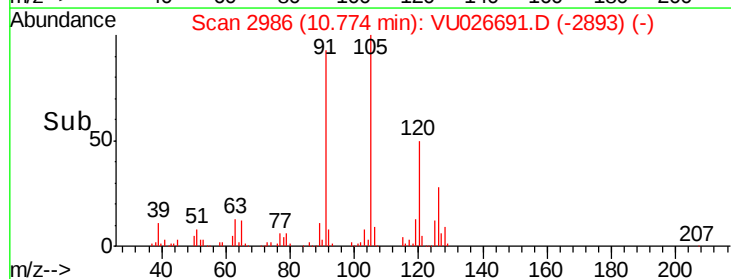
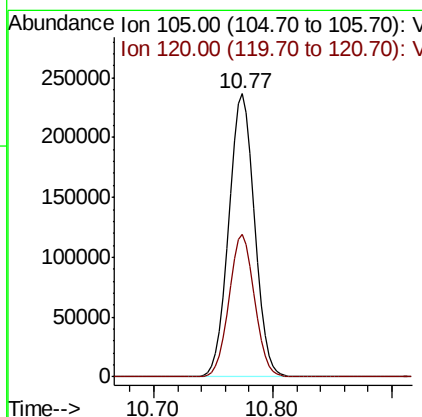
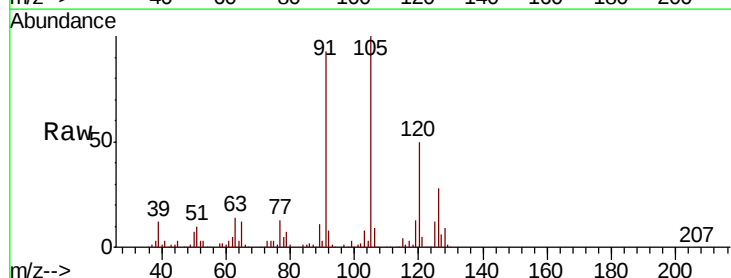
Instrument :
 MSVOA_U
 ClientSampleId :

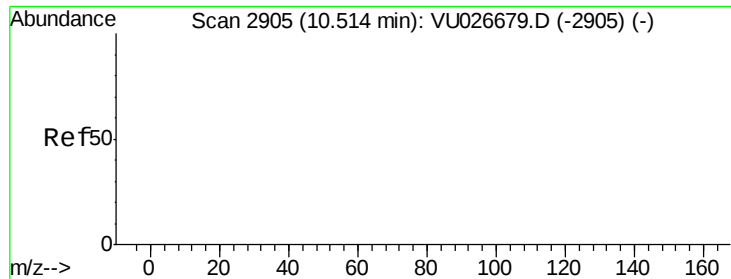
Tot Ion: 91 Resp: 289923
 Ion Ratio Lower Upper
 91 100
 126 34.9 17.3 51.7



#80
 1,3,5-Trimethylbenzene
 Concen: 53.74 ug/l
 RT: 10.77 min Scan# 2986
 Delta R.T. 0.00 min
 Lab File: VU026691.D
 Acq: 12 Sep 2018 08:46

Tgt Ion: 105 Resp: 354479
 Ion Ratio Lower Upper
 105 100
 120 49.7 24.6 74.0





#81

trans-1,4-Dichloro-2-butene

Concen: 144.73 ug/l

RT: 10.49 min Scan# 2899

Delta R.T. -0.02 min

Lab File: VU026691.D

Acq: 12 Sep 2018 08:46

Instrument :

MSVOA_U

ClientSampled :

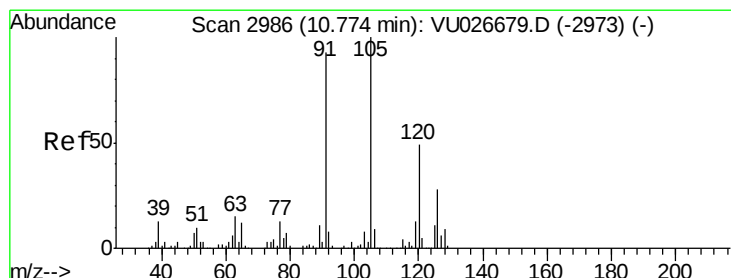
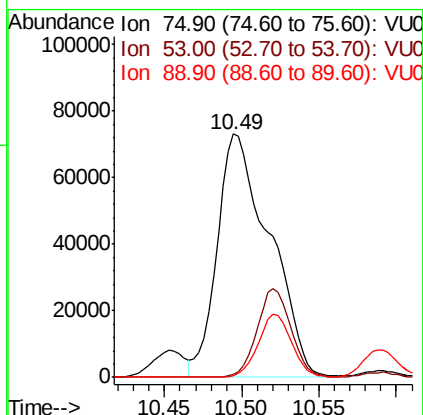
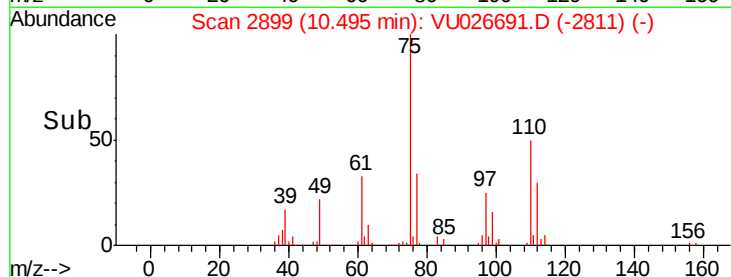
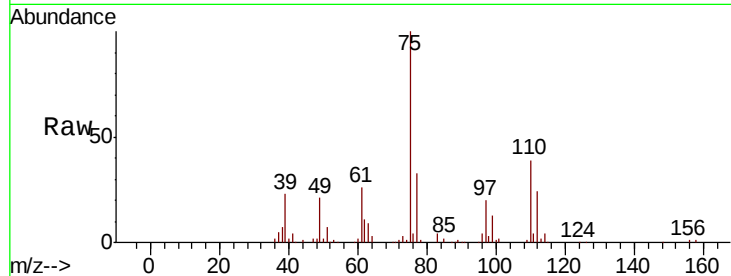
Tot Ion: 75 Resp: 171713

Ion Ratio Lower Upper

75 100

53 0.0 0.0 0.0

89 0.0 0.0 0.0



#82

4-Chlorotoluene

Concen: 52.77 ug/l

RT: 10.77 min Scan# 2986

Delta R.T. 0.00 min

Lab File: VU026691.D

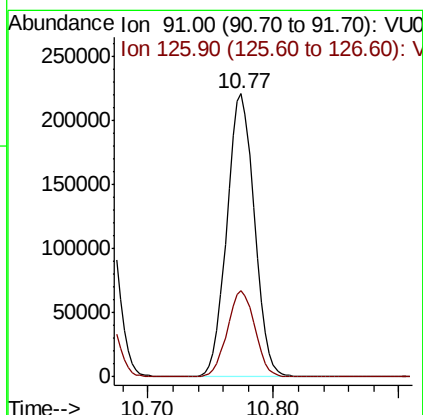
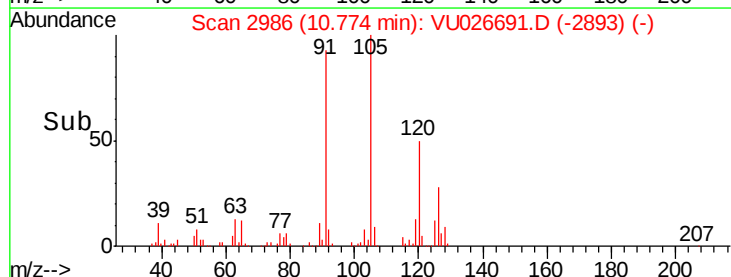
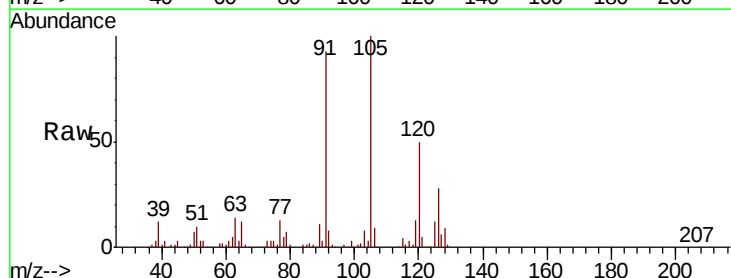
Acq: 12 Sep 2018 08:46

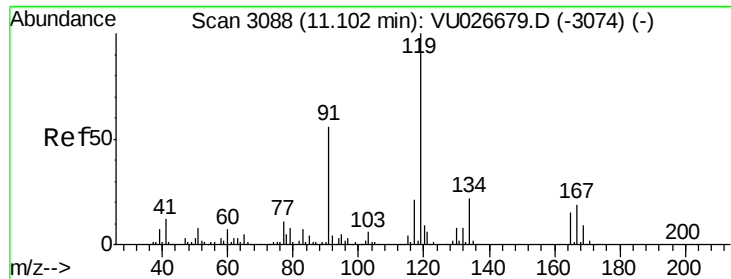
Tgt Ion: 91 Resp: 335500

Ion Ratio Lower Upper

91 100

126 30.6 15.2 45.5

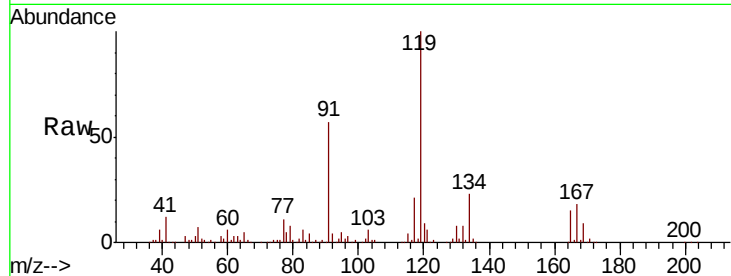




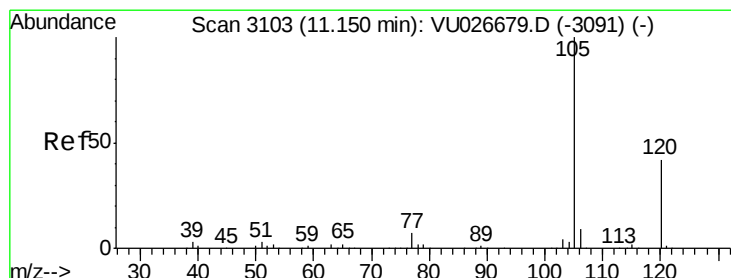
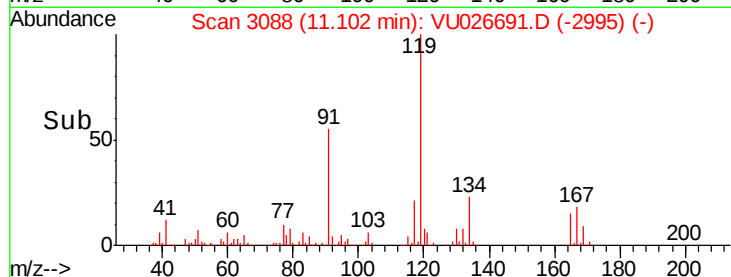
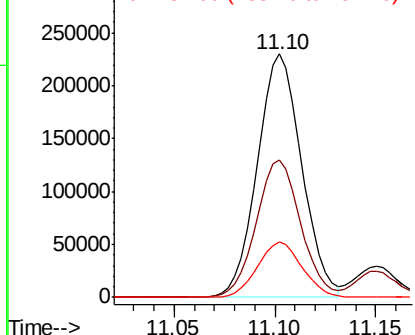
#83
tert-Butylbenzene
Concen: 52.73 ug/l
RT: 11.10 min Scan# 3088
Delta R.T. 0.00 min
Lab File: VU026691.D
Acq: 12 Sep 2018 08:46

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion:119 Resp: 353004
Ion Ratio Lower Upper
119 100
91 56.5 28.3 85.0
134 22.8 11.2 33.5

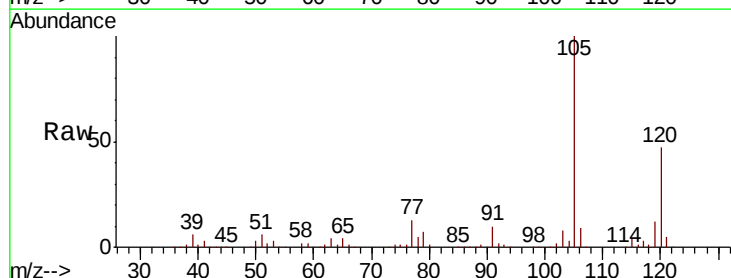


Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): V
Ion 134.00 (133.70 to 134.70): V

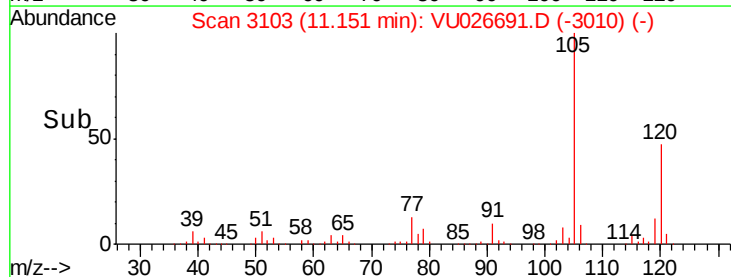
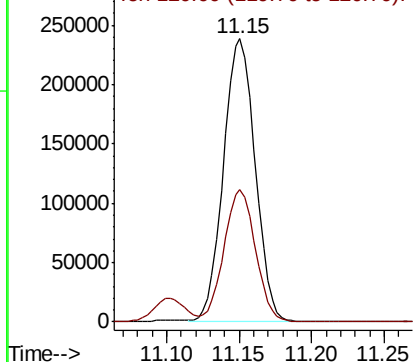


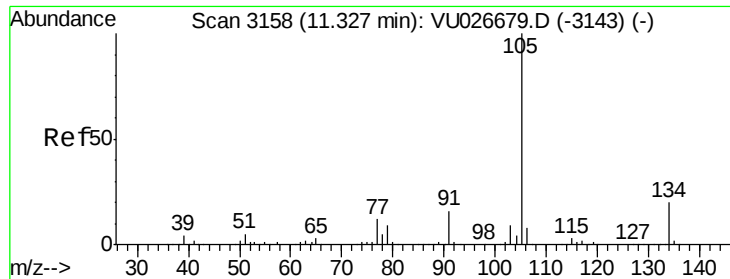
#84
1,2,4-Trimethylbenzene
Concen: 54.29 ug/l
RT: 11.15 min Scan# 3103
Delta R.T. 0.00 min
Lab File: VU026691.D
Acq: 12 Sep 2018 08:46

Tgt Ion:105 Resp: 361208
Ion Ratio Lower Upper
105 100
120 46.4 23.3 69.8



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

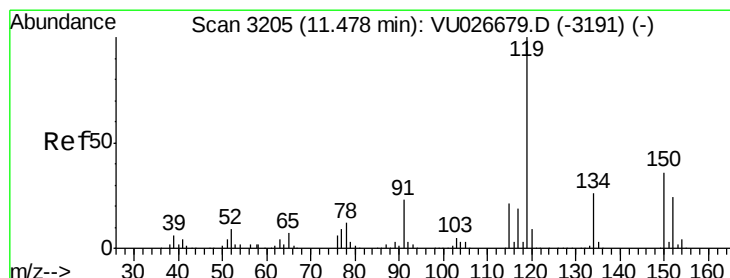
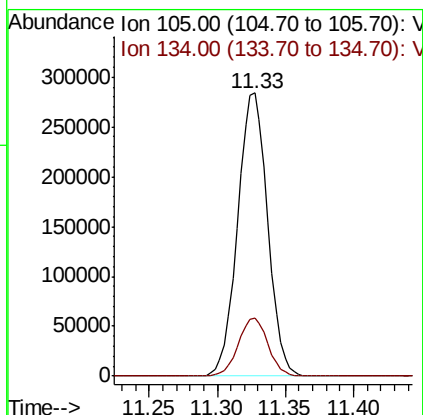
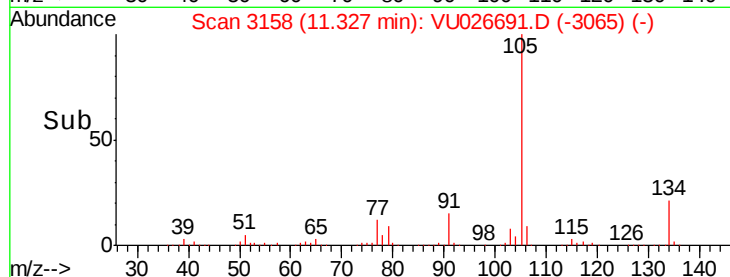
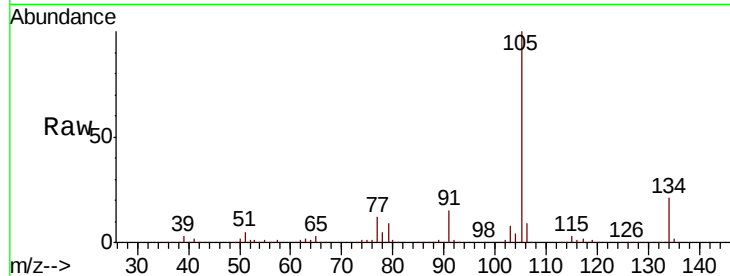




#85
 sec-Butylbenzene
 Concen: 54.39 ug/l
 RT: 11.33 min Scan# 3158
 Delta R.T. 0.00 min
 Lab File: VU026691.D
 Acq: 12 Sep 2018 08:46

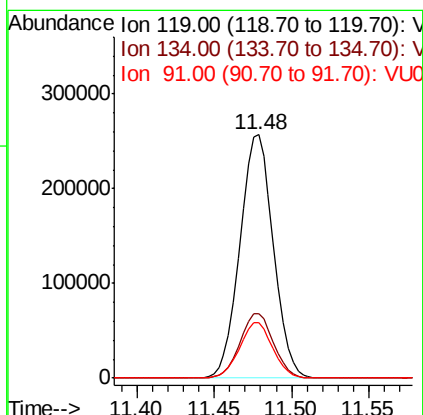
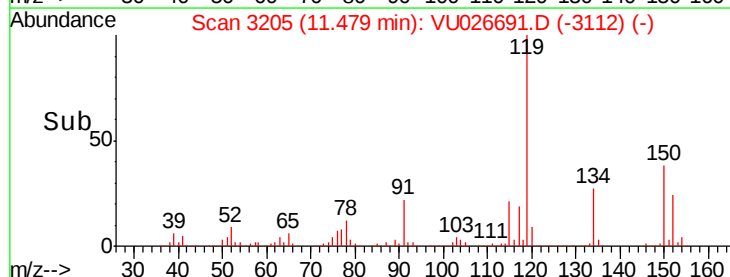
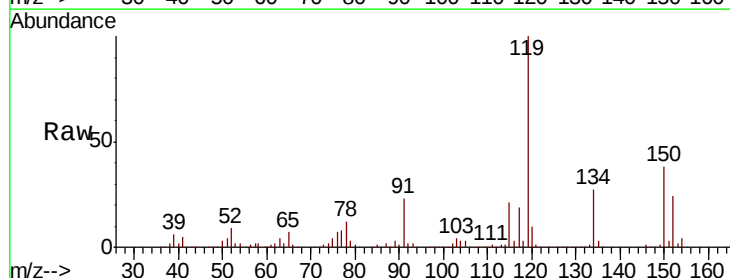
Instrument :
 MSVOA_U
 ClientSampleId :

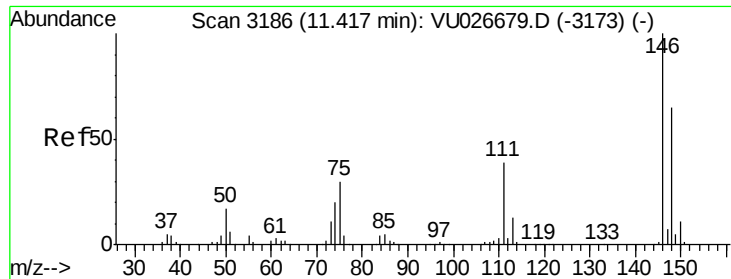
Tot Ion:105 Resp: 432366
 Ion Ratio Lower Upper
 105 100
 134 20.3 10.1 30.1



#86
 p-Isopropyltoluene
 Concen: 50.30 ug/l
 RT: 11.48 min Scan# 3205
 Delta R.T. 0.00 min
 Lab File: VU026691.D
 Acq: 12 Sep 2018 08:46

Tgt Ion:119 Resp: 384509
 Ion Ratio Lower Upper
 119 100
 134 26.7 13.2 39.5
 91 22.7 11.6 34.8

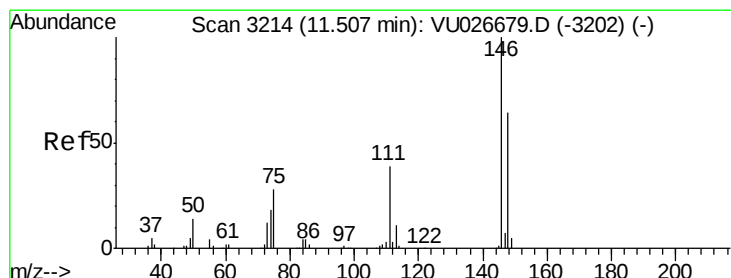
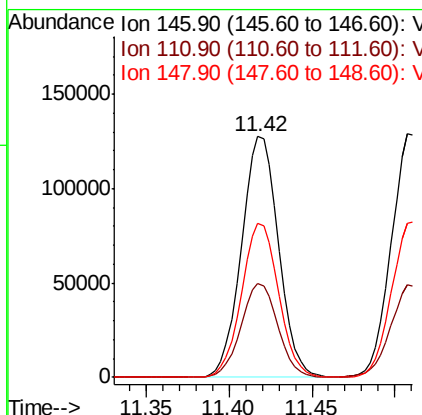
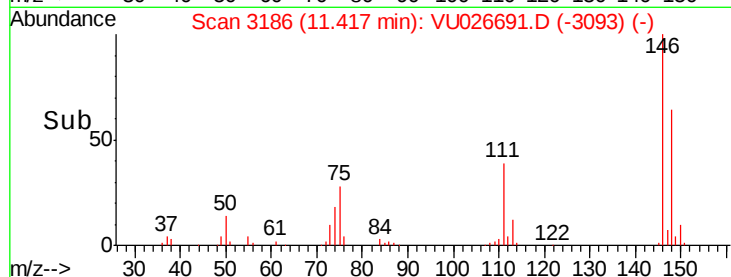
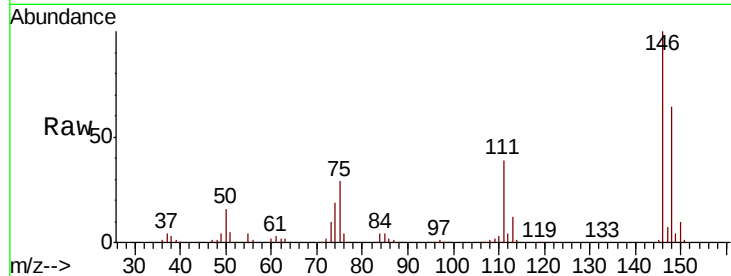




#87
 1,3-Dichlorobenzene
 Concen: 49.92 ug/l
 RT: 11.42 min Scan# 3186
 Delta R.T. 0.00 min
 Lab File: VU026691.D
 Acq: 12 Sep 2018 08:46

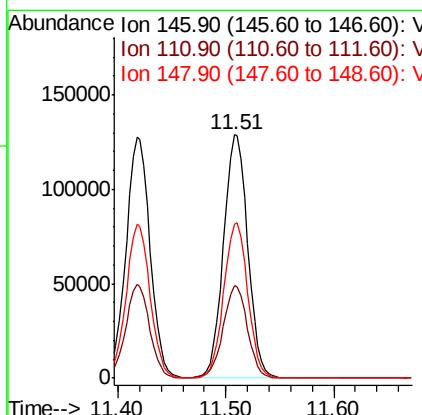
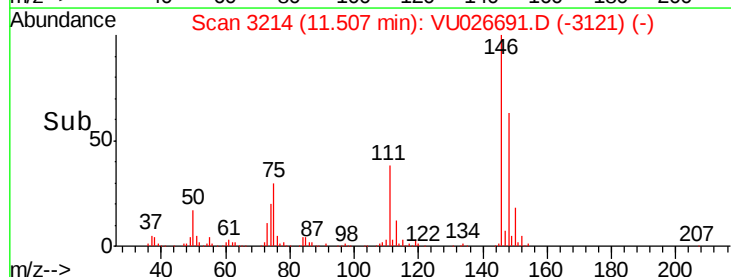
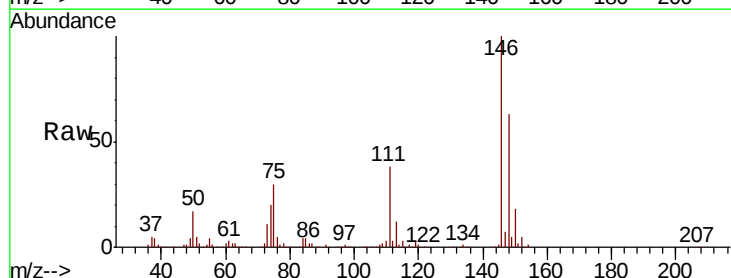
Instrument :
 MSVOA_U
 ClientSampleId :

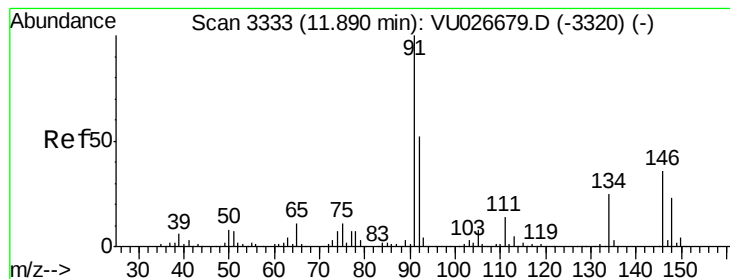
Tot Ion:146 Resp: 198628
 Ion Ratio Lower Upper
 146 100
 111 38.7 19.7 59.1
 148 63.7 32.1 96.3



#88
 1,4-Dichlorobenzene
 Concen: 48.74 ug/l
 RT: 11.51 min Scan# 3214
 Delta R.T. 0.00 min
 Lab File: VU026691.D
 Acq: 12 Sep 2018 08:46

Tgt Ion:146 Resp: 201398
 Ion Ratio Lower Upper
 146 100
 111 38.2 19.2 57.6
 148 63.8 32.1 96.3





#89

n-Butylbenzene

Concen: 49.12 ug/l

RT: 11.89 min Scan# 3333

Delta R.T. 0.00 min

Lab File: VU026691.D

Acq: 12 Sep 2018 08:46

Instrument :

MSVOA_U

ClientSampleId :

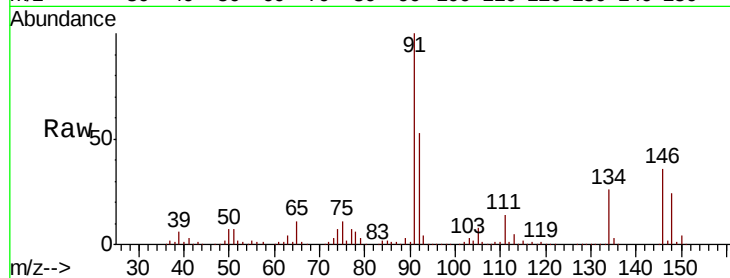
Tot Ion: 91 Resp: 344140

Ion Ratio Lower Upper

91 100

92 53.2 25.8 77.3

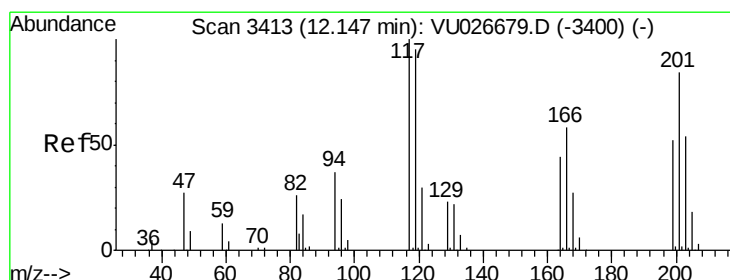
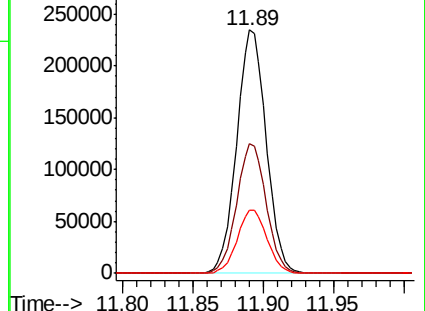
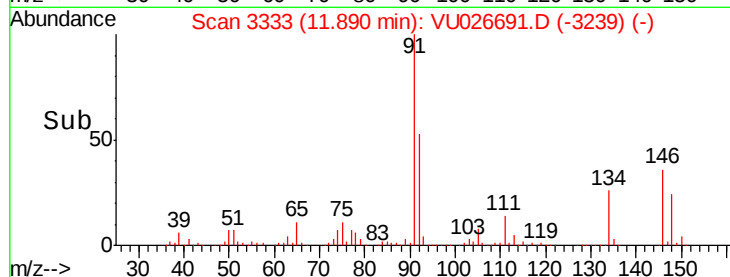
134 26.3 12.6 37.8



Abundance Ion 91.00 (90.70 to 91.70): VU026691.D (-3320) (-)

Ion 92.00 (91.70 to 92.70): VU026691.D (-3320) (-)

Ion 134.00 (133.70 to 134.70): VU026691.D (-3320) (-)



#90

Hexachloroethane

Concen: 49.46 ug/l

RT: 12.15 min Scan# 3413

Delta R.T. 0.00 min

Lab File: VU026691.D

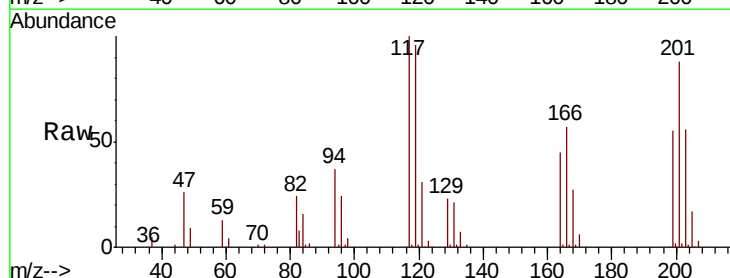
Acq: 12 Sep 2018 08:46

Tgt Ion: 117 Resp: 69389

Ion Ratio Lower Upper

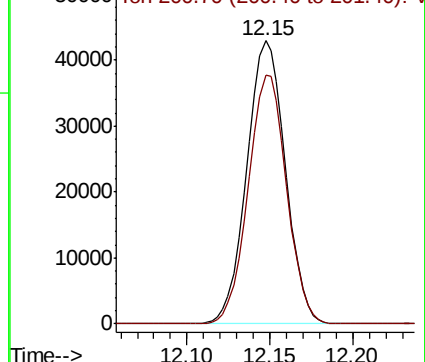
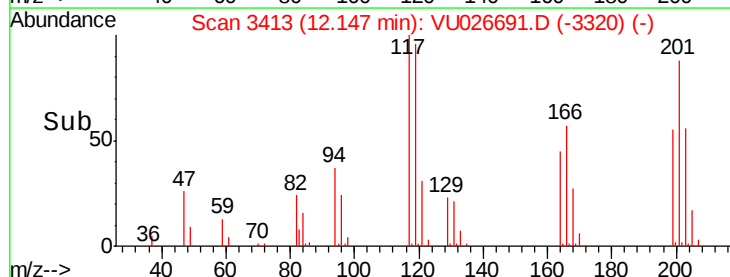
117 100

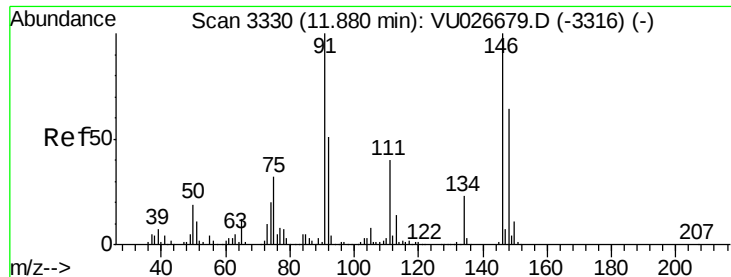
201 87.4 42.4 127.1



Abundance Ion 116.80 (116.50 to 117.50): VU026691.D (-3400) (-)

Ion 200.70 (200.40 to 201.40): VU026691.D (-3400) (-)





#91

1,2-Dichlorobenzene

Concen: 49.52 ug/l

RT: 11.88 min Scan# 3330

Delta R.T. 0.00 min

Lab File: VU026691.D

Acq: 12 Sep 2018 08:46

Instrument :

MSVOA_U

ClientSampleId :

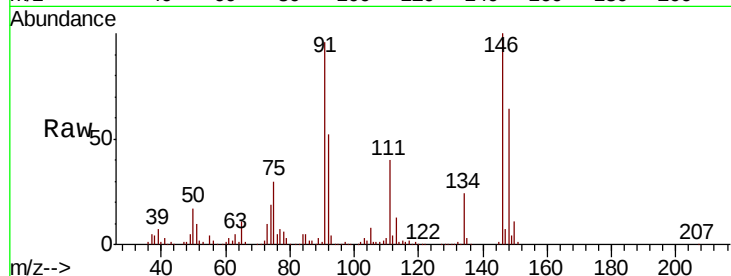
Tot Ion:146 Resp: 198229

Ion Ratio Lower Upper

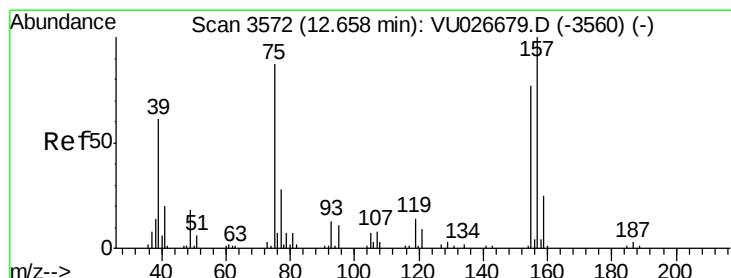
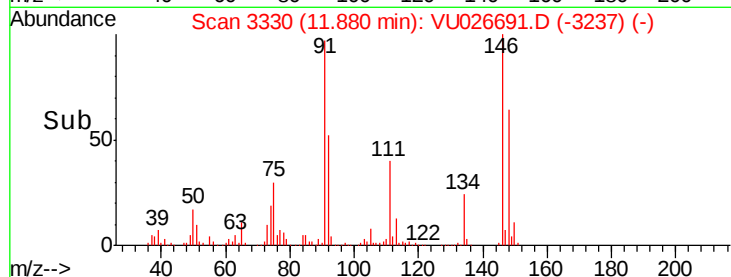
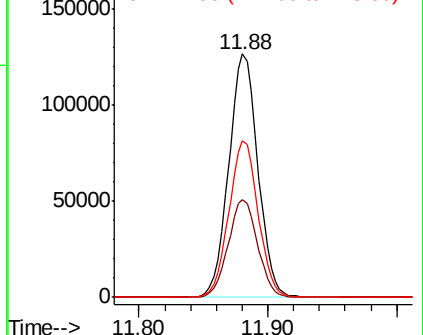
146 100

111 40.5 20.3 60.8

148 64.7 32.1 96.3



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



#92

1,2-Dibromo-3-Chloropropane

Concen: 50.48 ug/l

RT: 12.66 min Scan# 3572

Delta R.T. 0.00 min

Lab File: VU026691.D

Acq: 12 Sep 2018 08:46

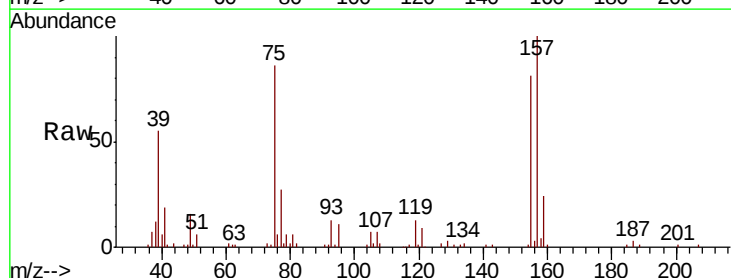
Tgt Ion: 75 Resp: 32372

Ion Ratio Lower Upper

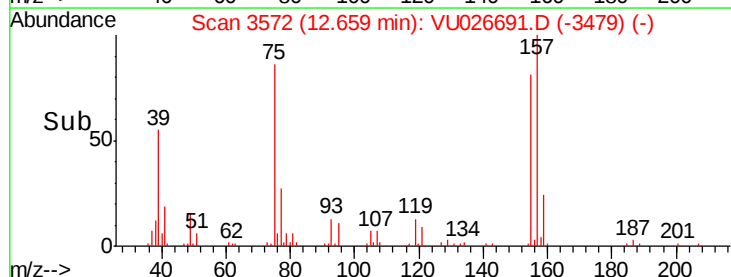
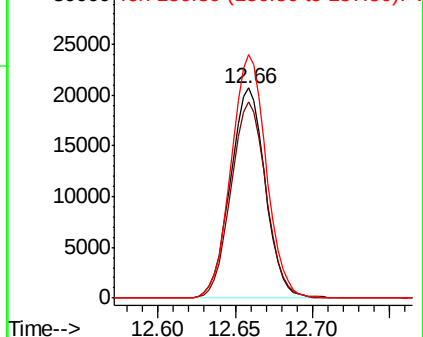
75 100

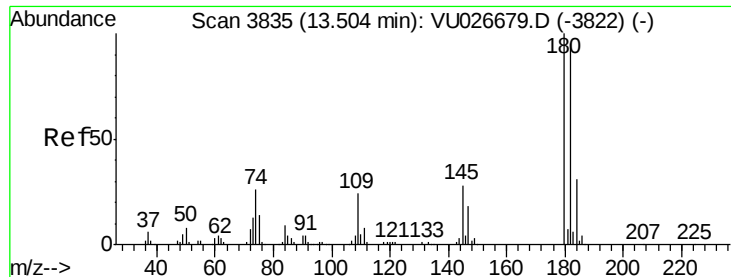
155 93.8 44.1 132.4

157 116.6 57.2 171.6



Abundance Ion 74.90 (74.60 to 75.60): VU0
Ion 154.80 (154.50 to 155.50): V
Ion 156.80 (156.50 to 157.50): V

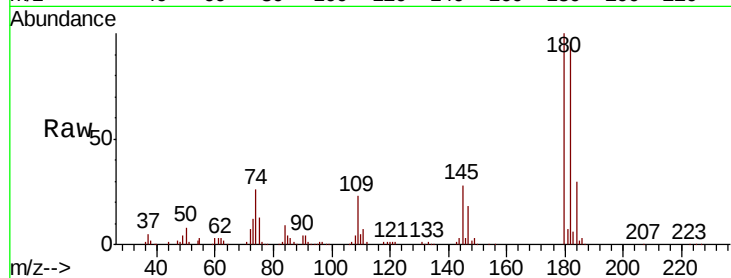




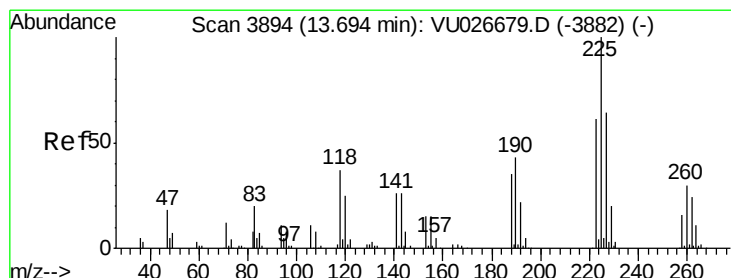
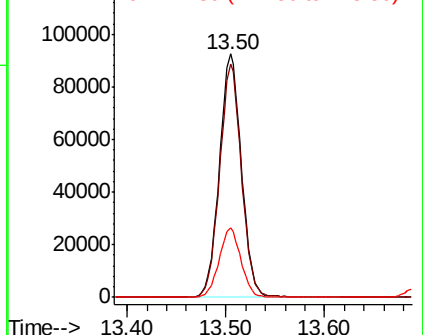
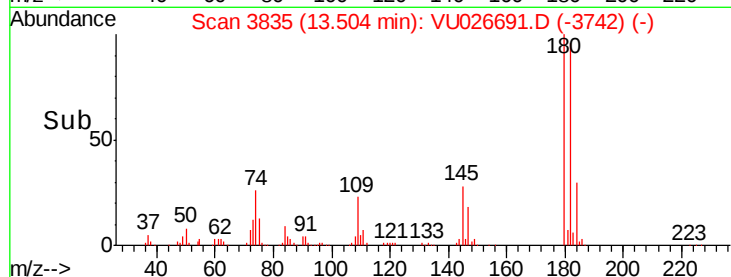
#93
 1,2,4-Trichlorobenzene
 Concen: 54.62 ug/l
 RT: 13.50 min Scan# 3835
 Delta R.T. 0.00 min
 Lab File: VU026691.D
 Acq: 12 Sep 2018 08:46

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion:180 Resp: 145178
 Ion Ratio Lower Upper
 180 100
 182 94.9 47.9 143.7
 145 28.2 14.0 42.0

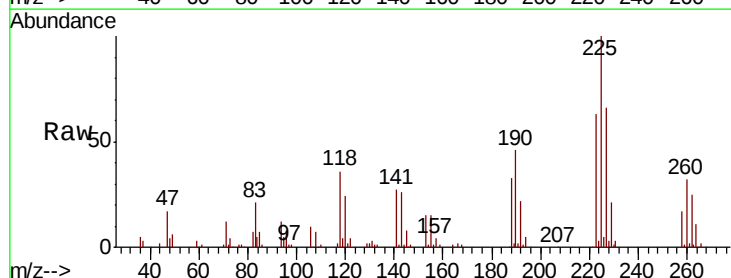


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

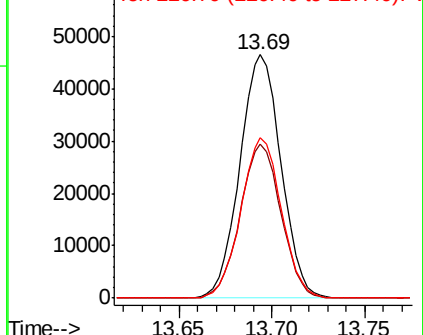
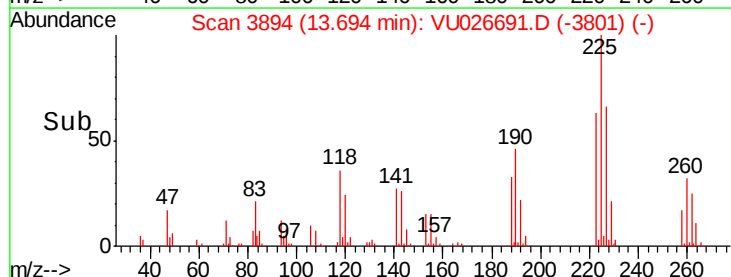


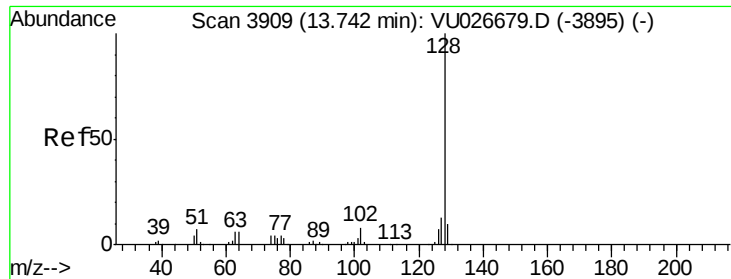
#94
 Hexachlorobutadiene
 Concen: 52.38 ug/l
 RT: 13.69 min Scan# 3894
 Delta R.T. 0.00 min
 Lab File: VU026691.D
 Acq: 12 Sep 2018 08:46

Tgt Ion:225 Resp: 71626
 Ion Ratio Lower Upper
 225 100
 223 62.7 30.6 92.0
 227 64.7 32.1 96.3



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: 50.36 ug/l

RT: 13.74 min Scan# 3909

Delta R.T. 0.00 min

Lab File: VU026691.D

Acq: 12 Sep 2018 08:46

Instrument :

MSVOA_U

ClientSampleId :

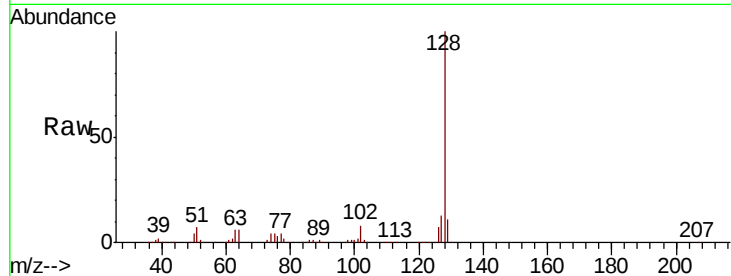
Tot Ion:128 Resp: 450358

Ion Ratio Lower Upper

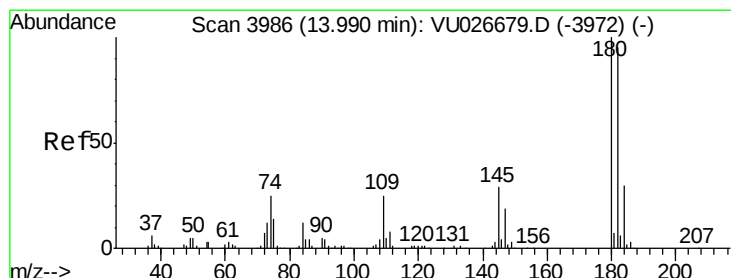
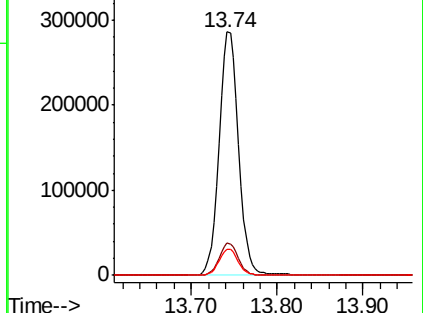
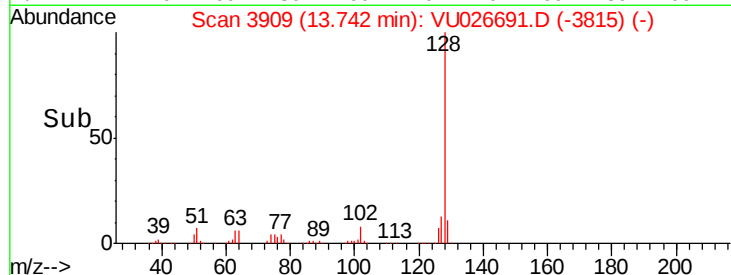
128 100

127 12.9 10.4 15.6

129 10.9 8.6 12.8



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 54.44 ug/l

RT: 13.99 min Scan# 3986

Delta R.T. 0.00 min

Lab File: VU026691.D

Acq: 12 Sep 2018 08:46

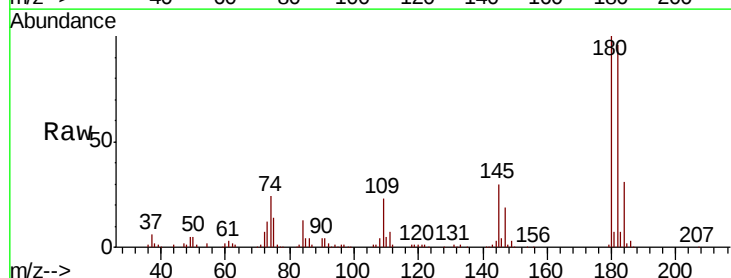
Tgt Ion:180 Resp: 151140

Ion Ratio Lower Upper

180 100

182 94.9 47.9 143.7

145 29.3 14.9 44.9



Abundance Ion 179.80 (179.50 to 180.50): V
Ion 181.80 (181.50 to 182.50): V
Ion 144.90 (144.60 to 145.60): V

