

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU091218\
 Data File : VU026694.D
 Acq On : 12 Sep 2018 10:46
 Operator : MD/SY
 Sample : VU0912MBS01
 Misc : 5.00µg/10mL/100µL/5.0mL/MSVOA_U/MEOH
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0912MBS02

Quant Time: Sep 13 06:49:31 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	4.99	168	133764	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	204555	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	190821	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	109958	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.31	65	94638	46.64	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.28%	
35) Dibromofluoromethane	4.88	113	80153	48.04	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.08%	
50) Toluene-d8	7.57	98	296309	48.01	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.02%	
62) 4-Bromofluorobenzene	10.31	95	106594	47.66	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.32%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.21	85	26199	18.13	ug/l	97
3) Chloromethane	1.33	50	36399	18.03	ug/l	100
4) Vinyl Chloride	1.40	62	37867	18.10	ug/l	100
5) Bromomethane	1.62	94	23289	17.77	ug/l	99
6) Chloroethane	1.69	64	23765	17.85	ug/l	100
7) Trichlorofluoromethane	1.88	101	49402	18.06	ug/l	100
8) Diethyl Ether	2.10	74	22182	18.51	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	2.29	101	30434	18.73	ug/l	98
10) Methyl Iodide	2.41	142	27574	24.42	ug/l	97
11) Tert butyl alcohol	2.83	59	41042	82.98	ug/l	100
12) 1,1-Dichloroethene	2.28	96	29129	18.97	ug/l	97
13) Acrolein	2.20	56	25451	76.36	ug/l	98
14) Allyl chloride	2.59	41	50308	18.19	ug/l	97
15) Acrylonitrile	2.94	53	102973	97.08	ug/l	99
16) Acetone	2.32	43	95259	82.92	ug/l	97
17) Carbon Disulfide	2.48	76	83329	17.05	ug/l	99
18) Methyl Acetate	2.62	43	48307	19.49	ug/l	98
19) Methyl tert-butyl Ether	3.00	73	102476	19.38	ug/l	99
20) Methylene Chloride	2.70	84	35019	18.79	ug/l	95
21) trans-1,2-Dichloroethene	2.98	96	30920	19.11	ug/l	96
22) Diisopropyl ether	3.58	45	111565	19.33	ug/l	98
23) Vinyl Acetate	3.53	43	469793	95.81	ug/l	99
24) 1,1-Dichloroethane	3.45	63	61586	18.91	ug/l	98
25) 2-Butanone	4.27	43	140260	90.64	ug/l	99
26) 2,2-Dichloropropane	4.23	77	49255	18.40	ug/l	100
27) cis-1,2-Dichloroethene	4.23	96	35669	19.13	ug/l	99
28) Bromochloromethane	4.55	49	28563	18.34	ug/l	96
29) Tetrahydrofuran	4.64	42	89595	96.03	ug/l	99
30) Chloroform	4.68	83	60403	18.86	ug/l	97
31) Cyclohexane	5.00	56	55648	18.60	ug/l	94
32) 1,1,1-Trichloroethane	4.92	97	50264	18.96	ug/l	99
36) 1,1-Dichloropropene	5.14	75	43509	18.94	ug/l	99
37) Ethyl Acetate	4.39	43	52235	18.91	ug/l	99
38) Carbon Tetrachloride	5.14	117	44555	18.36	ug/l	98

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 Sample : VU0912MBS01
 Misc : 5.00g/10mL/100uL/5.0mL/MSVOA_U/MEOH
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0912MBS02

Quant Time: Sep 13 06:49:31 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)
39) Methylcyclohexane	6.42	83	52153	19.13	ug/l	99
40) Benzene	5.39	78	135259	18.96	ug/l	99
41) Methacrylonitrile	4.54	41	27945	18.43	ug/l	98
42) 1,2-Dichloroethane	5.41	62	46995	18.48	ug/l	99
43) Isopropyl Acetate	5.55	43	81519	19.39	ug/l	100
44) Trichloroethene	6.19	130	34299	19.43	ug/l	98
45) 1,2-Dichloropropane	6.44	63	36830	19.00	ug/l	96
46) Dibromomethane	6.56	93	23669	18.92	ug/l	94
47) Bromodichloromethane	6.76	83	46538	18.89	ug/l	99
48) Methyl methacrylate	6.63	41	39269	18.28	ug/l	98
49) 1,4-Dioxane	6.62	88	18527	371.01	ug/l	97
51) 4-Methyl-2-Pentanone	7.46	43	262194	93.21	ug/l	99
52) Toluene	7.64	92	83443	19.64	ug/l	99
53) t-1,3-Dichloropropene	7.88	75	51551	18.86	ug/l	99
54) cis-1,3-Dichloropropene	7.27	75	55739	18.99	ug/l	98
55) 1,1,2-Trichloroethane	8.07	97	35065	19.26	ug/l	98
56) Ethyl methacrylate	8.02	69	52120	18.88	ug/l	98
57) 1,3-Dichloropropane	8.24	76	59966	19.33	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.13	63	129539	94.46	ug/l	98
59) 2-Hexanone	8.36	43	200453	90.55	ug/l	98
60) Dibromochloromethane	8.48	129	37189	18.86	ug/l	100
61) 1,2-Dibromoethane	8.59	107	37625	19.05	ug/l	99
64) Tetrachloroethene	8.23	164	30009	19.76	ug/l	98
65) Chlorobenzene	9.12	112	91759	19.36	ug/l	100
66) 1,1,1,2-Tetrachloroethane	9.21	131	33904	19.44	ug/l	97
67) Ethyl Benzene	9.25	91	155001	19.85	ug/l	99
68) m/p-Xylenes	9.38	106	119742	40.31	ug/l	100
69) o-Xylene	9.78	106	58023	19.06	ug/l	100
70) Styrene	9.79	104	94890	18.95	ug/l	99
71) Bromoform	9.96	173	29576	19.50	ug/l #	98
73) Isopropylbenzene	10.17	105	157905	21.07	ug/l	100
74) N-amyl acetate	10.02	43	69557	19.66	ug/l	97
75) 1,1,2,2-Tetrachloroethane	10.46	83	58538	19.17	ug/l	100
76) 1,2,3-Trichloropropane	10.50	75	65192	26.47	ug/l	82
77) Bromobenzene	10.45	156	41053	20.16	ug/l	100
78) n-propylbenzene	10.59	91	182089	20.89	ug/l	99
79) 2-Chlorotoluene	10.66	91	108869	20.15	ug/l	100
80) 1,3,5-Trimethylbenzene	10.77	105	132612	21.06	ug/l	100
81) trans-1,4-Dichloro-2-buten	10.50	75	65192	76.64	ug/l #	100
82) 4-Chlorotoluene	10.77	91	125491	20.67	ug/l	99
83) tert-Butylbenzene	11.10	119	132542	20.74	ug/l	99
84) 1,2,4-Trimethylbenzene	11.15	105	134027	21.10	ug/l	100
85) sec-Butylbenzene	11.33	105	158956	20.94	ug/l	100
86) p-Isopropyltoluene	11.48	119	140241	19.86	ug/l	99
87) 1,3-Dichlorobenzene	11.42	146	73087	19.24	ug/l	98
88) 1,4-Dichlorobenzene	11.51	146	74003	18.76	ug/l	99
89) n-Butylbenzene	11.89	91	121645	19.51	ug/l	98
90) Hexachloroethane	12.15	117	25858	19.31	ug/l	100
91) 1,2-Dichlorobenzene	11.88	146	75116	19.66	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	12.66	75	12348	20.17	ug/l	95

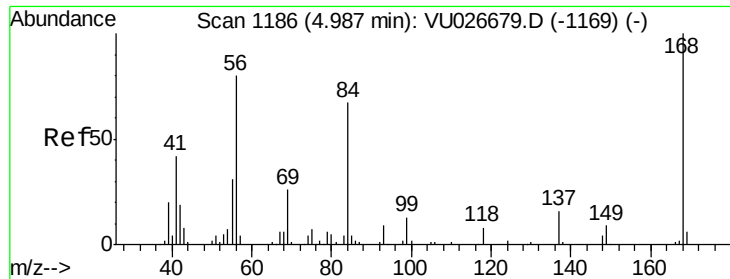
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA U\DATA\VU091218\
Data File : VU026694.D
Acq On : 12 Sep 2018 10:46
Operator : MD/SY
Sample : VU0912MBS01
Misc : 5.00µ/10mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 20 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VU0912MBS02

Quant Time: Sep 13 06:49:31 2018
Quant Method : Z:\V0ASRV\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)
93) 1,2,4-Trichlorobenzene	13.50	180	51087	20.13	ug/l	99
94) Hexachlorobutadiene	13.69	225	25554	19.57	ug/l	99
95) Naphthalene	13.75	128	163049	19.73	ug/l	100
96) 1,2,3-Trichlorobenzene	13.99	180	54672	20.63	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 4.99 min Scan# 1186

Delta R.T. -0.00 min

Lab File: VU026694.D

Acq: 12 Sep 2018 10:46

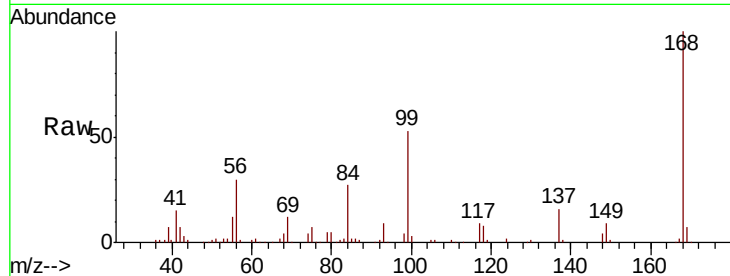
Instrument :
MSVOA_U
ClientSampleId :
VU0912MBS02

Tot Ion:168 Resp: 133764

Ion Ratio Lower Upper

168 100

99 53.0 42.0 63.0



Abundance Ion 167.90 (167.60 to 168.60): VU026679.D (-1169) (-)

Ion 98.90 (98.60 to 99.60): VU026679.D (-1169) (-)

4.99

60000

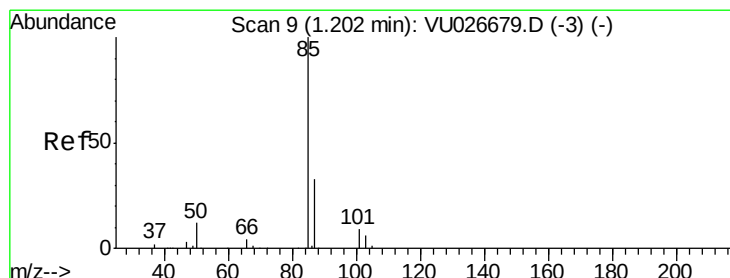
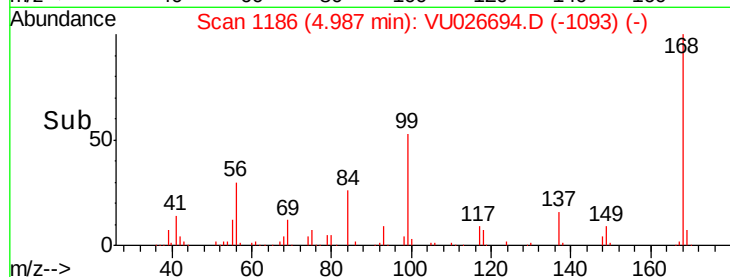
40000

20000

0

4.90 5.00 5.10

Time-->



#2

Dichlorodifluoromethane

Concen: 18.13 ug/l

RT: 1.21 min Scan# 10

Delta R.T. 0.00 min

Lab File: VU026694.D

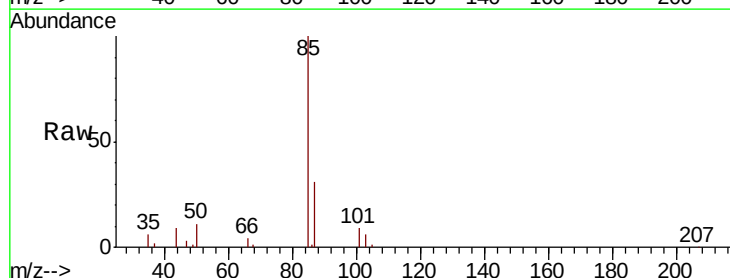
Acq: 12 Sep 2018 10:46

Tgt Ion: 85 Resp: 26199

Ion Ratio Lower Upper

85 100

87 31.4 16.6 49.7



Abundance Ion 84.90 (84.60 to 85.60): VU026679.D (-3) (-)

Ion 86.90 (86.60 to 87.60): VU026679.D (-3) (-)

1.21

30000

25000

20000

15000

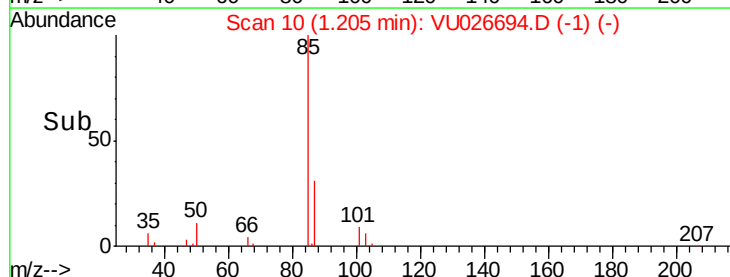
10000

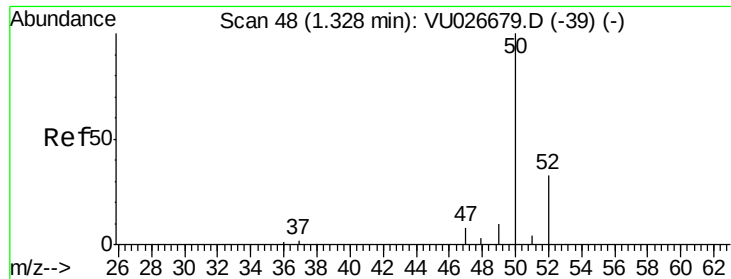
5000

0

1.15 1.20 1.25

Time-->

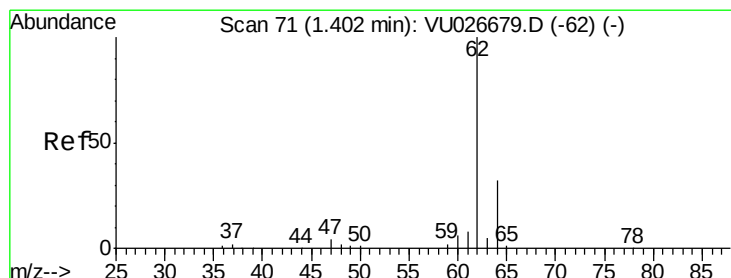
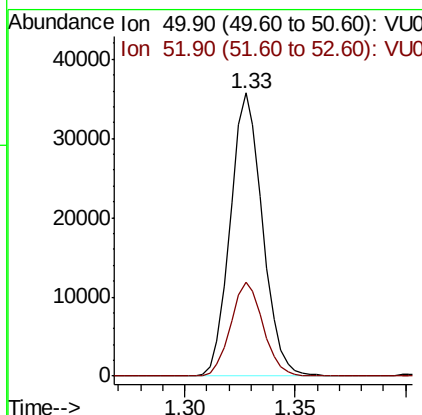
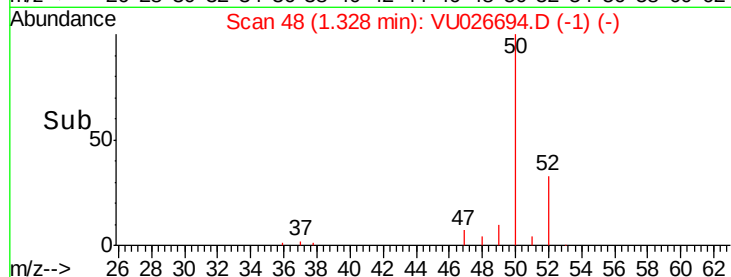
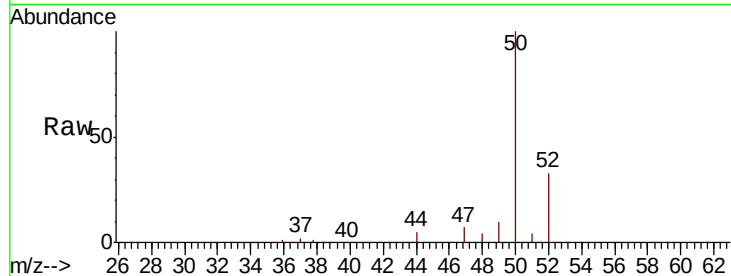




#3
 Chloromethane
 Concen: 18.03 ug/l
 RT: 1.33 min Scan# 48
 Delta R.T. -0.00 min
 Lab File: VU026694.D
 Acq: 12 Sep 2018 10:46

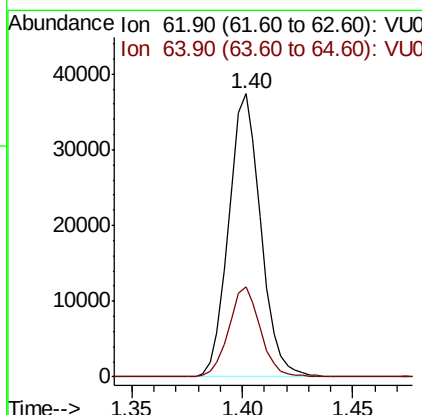
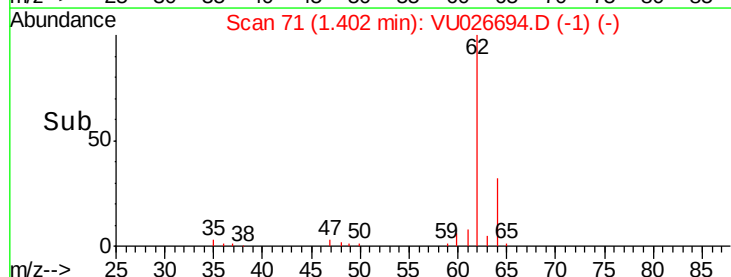
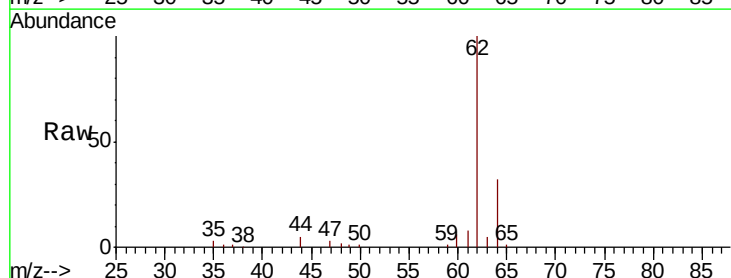
Instrument :
 MSVOA_U
 ClientSampleId :
 VU0912MBS02

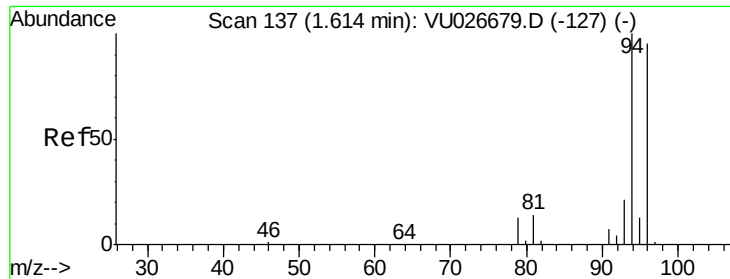
Tot Ion: 50 Resp: 36399
 Ion Ratio Lower Upper
 50 100
 52 33.1 26.3 39.5



#4
 Vinyl Chloride
 Concen: 18.10 ug/l
 RT: 1.40 min Scan# 71
 Delta R.T. -0.00 min
 Lab File: VU026694.D
 Acq: 12 Sep 2018 10:46

Tgt Ion: 62 Resp: 37867
 Ion Ratio Lower Upper
 62 100
 64 31.9 25.6 38.4





#5

Bromomethane

Concen: 17.77 ug/l

RT: 1.62 min Scan# 139

Delta R.T. 0.01 min

Lab File: VU026694.D

Acq: 12 Sep 2018 10:46

Instrument :

MSVOA_U

ClientSampleId :

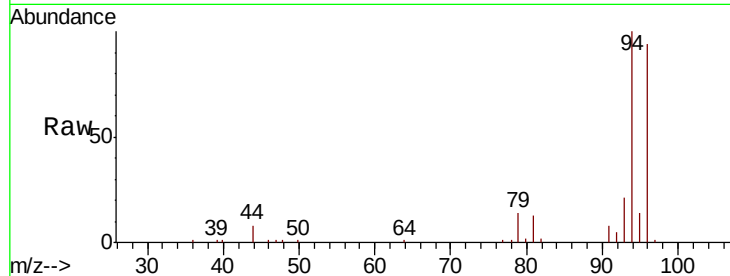
VU0912MBS02

Tot Ion: 94 Resp: 23289

Ion Ratio Lower Upper

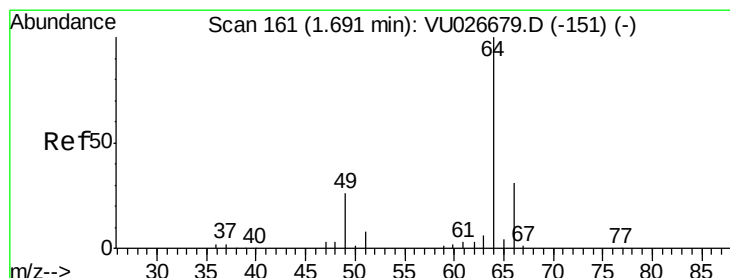
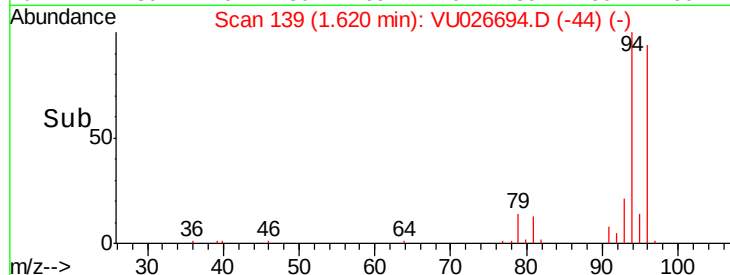
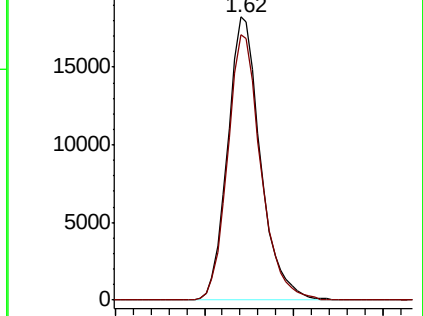
94 100

96 93.7 75.8 113.6



Abundance Ion 93.90 (93.60 to 94.60): VU0

Ion 95.90 (95.60 to 96.60): VU0



#6

Chloroethane

Concen: 17.85 ug/l

RT: 1.69 min Scan# 162

Delta R.T. 0.00 min

Lab File: VU026694.D

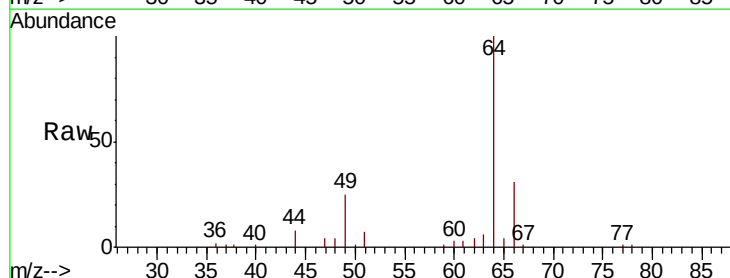
Acq: 12 Sep 2018 10:46

Tgt Ion: 64 Resp: 23765

Ion Ratio Lower Upper

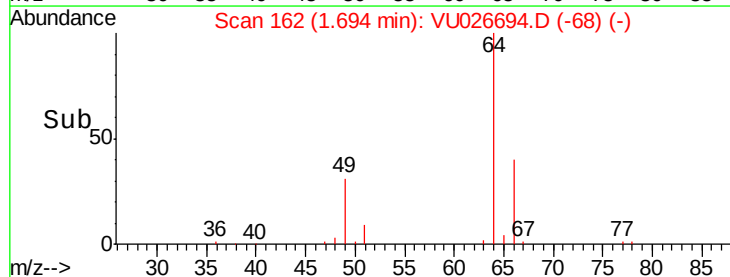
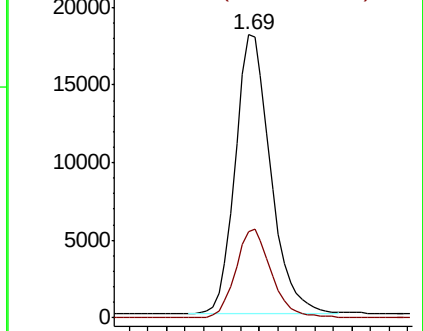
64 100

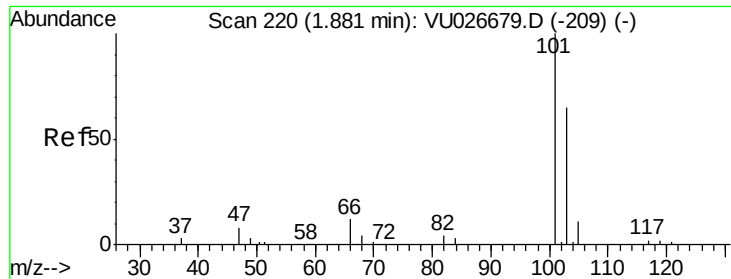
66 31.1 24.7 37.1



Abundance Ion 63.90 (63.60 to 64.60): VU0

Ion 65.90 (65.60 to 66.60): VU0



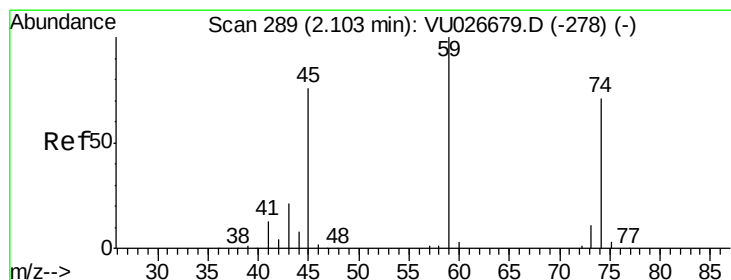
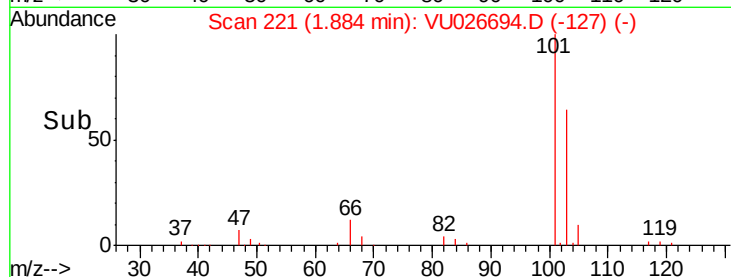
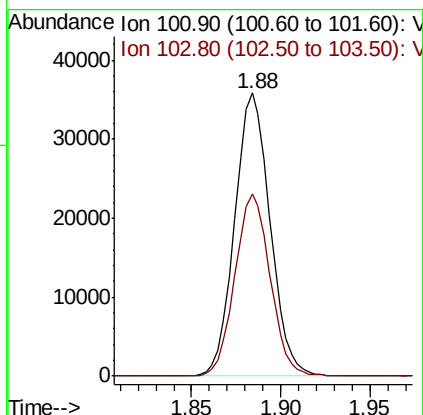
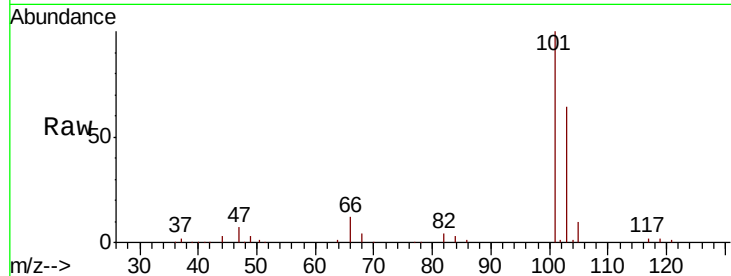


#7

Trichlorofluoromethane
 Concen: 18.06 ug/l
 RT: 1.88 min Scan# 221
 Delta R.T. 0.00 min
 Lab File: VU026694.D
 Acq: 12 Sep 2018 10:46

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0912MBS02

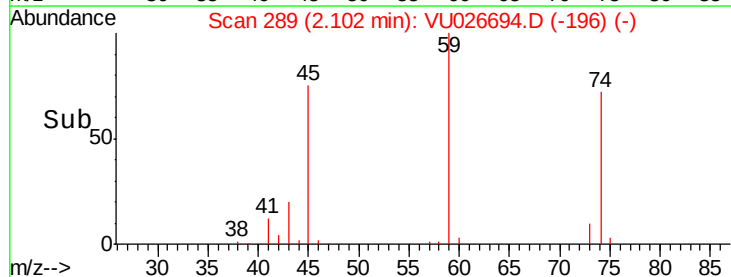
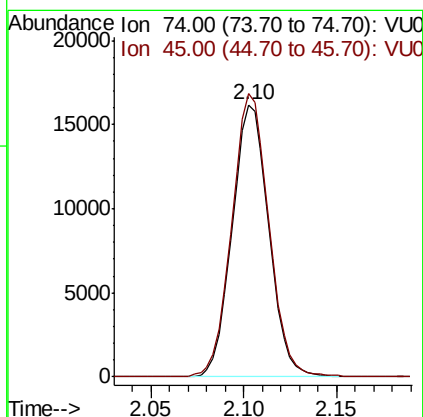
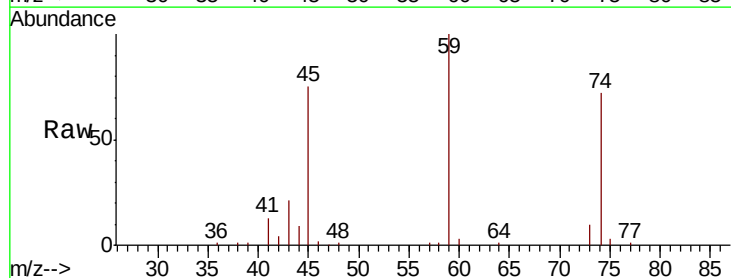
Tot Ion:101 Resp: 49402
 Ion Ratio Lower Upper
 101 100
 103 64.4 51.7 77.5

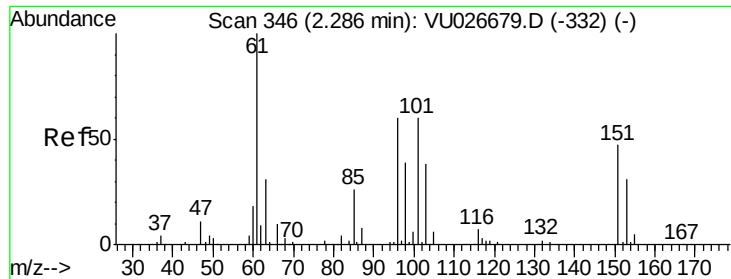


#8

Diethyl Ether
 Concen: 18.51 ug/l
 RT: 2.10 min Scan# 289
 Delta R.T. -0.00 min
 Lab File: VU026694.D
 Acq: 12 Sep 2018 10:46

Tgt Ion: 74 Resp: 22182
 Ion Ratio Lower Upper
 74 100
 45 105.3 53.6 160.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 18.73 ug/l

RT: 2.29 min Scan# 346

Delta R.T. -0.00 min

Lab File: VU026694.D

Acq: 12 Sep 2018 10:46

Instrument :

MSVOA_U

ClientSampleId :

VU0912MBS02

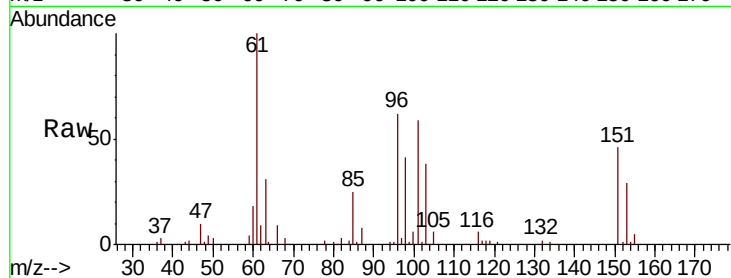
Tot Ion:101 Resp: 30434

Ion Ratio Lower Upper

101 100

85 43.2 34.6 52.0

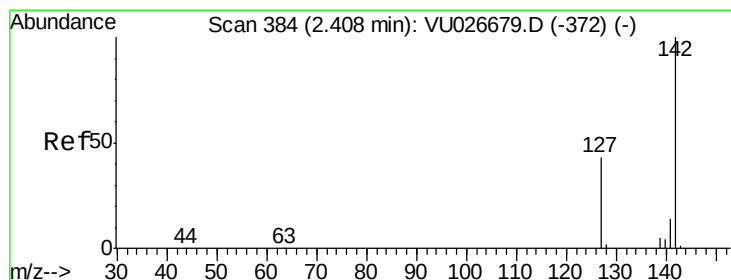
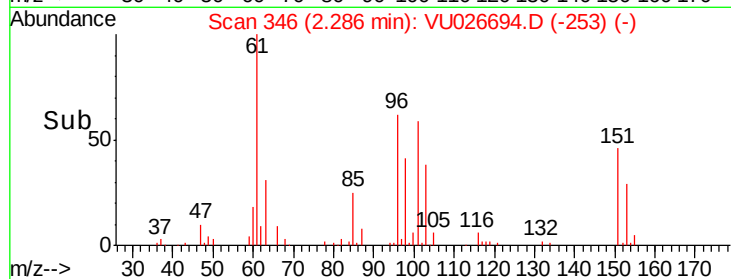
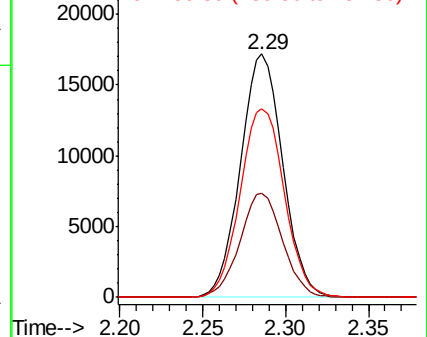
151 81.3 62.7 94.1



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: 24.42 ug/l

RT: 2.41 min Scan# 385

Delta R.T. 0.00 min

Lab File: VU026694.D

Acq: 12 Sep 2018 10:46

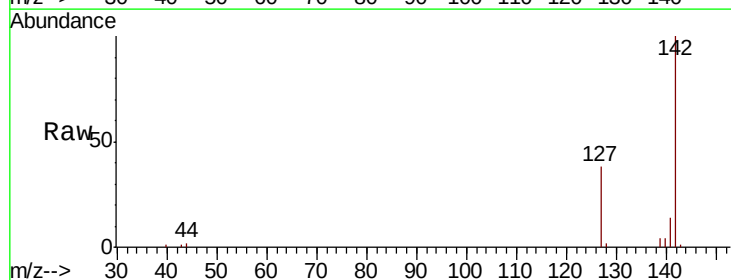
Tgt Ion:142 Resp: 27574

Ion Ratio Lower Upper

142 100

127 40.2 34.1 51.1

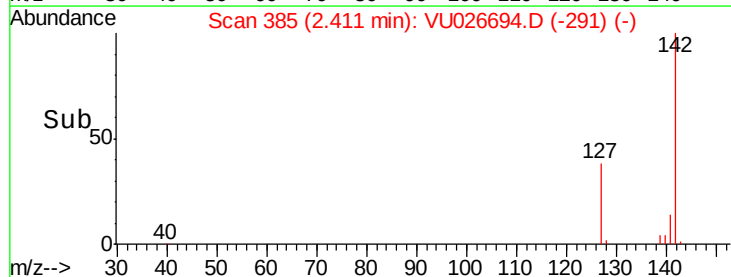
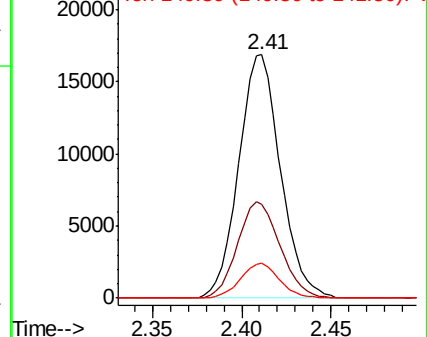
141 13.4 11.2 16.8

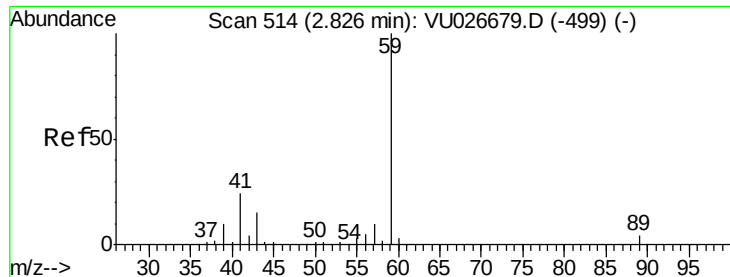


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



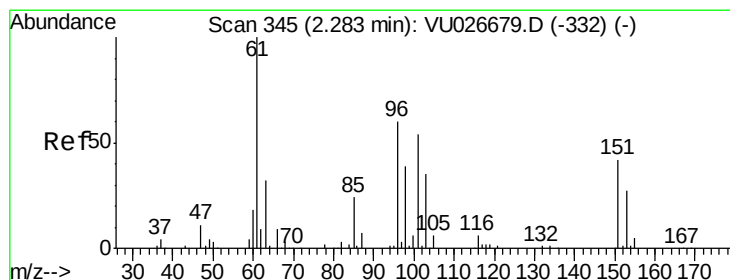
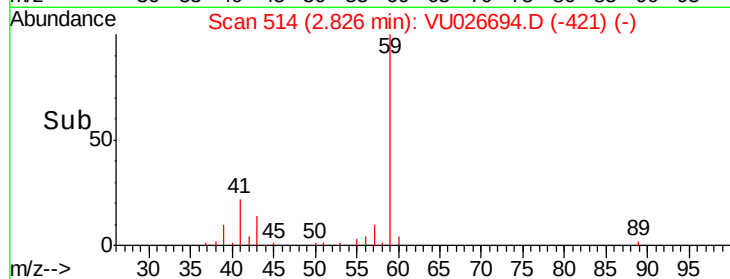
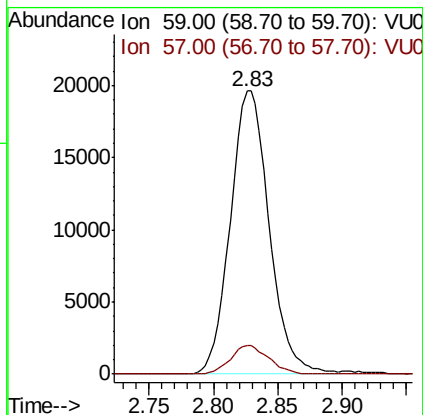
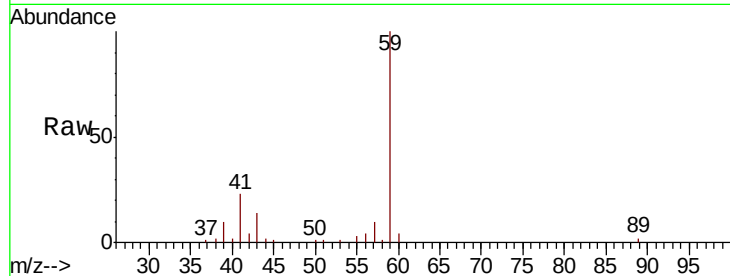


#11

Tert butyl alcohol
 Concen: 82.98 ug/l
 RT: 2.83 min Scan# 514
 Delta R.T. -0.00 min
 Lab File: VU026694.D
 Acq: 12 Sep 2018 10:46

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0912MBS02

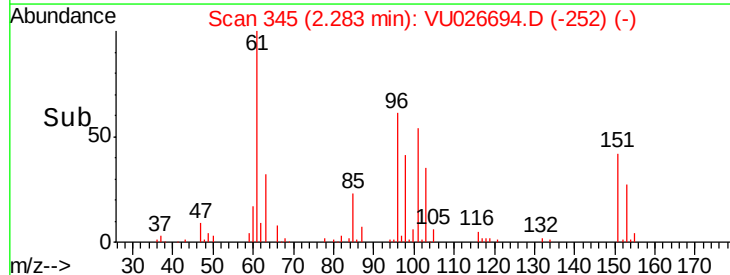
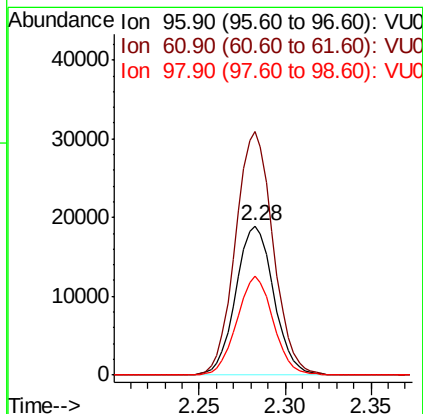
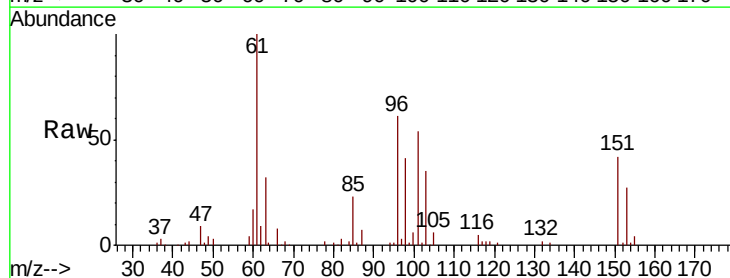
Tot Ion: 59 Resp: 41042
 Ion Ratio Lower Upper
 59 100
 57 9.9 8.0 12.0

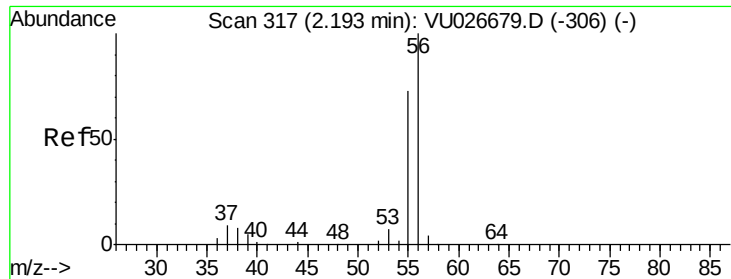


#12

1,1-Dichloroethene
 Concen: 18.97 ug/l
 RT: 2.28 min Scan# 345
 Delta R.T. -0.00 min
 Lab File: VU026694.D
 Acq: 12 Sep 2018 10:46

Tgt Ion: 96 Resp: 29129
 Ion Ratio Lower Upper
 96 100
 61 162.9 133.0 199.6
 98 66.2 51.3 76.9





#13

Acrolein

Concen: 76.36 ug/l

RT: 2.20 min Scan# 318

Delta R.T. 0.00 min

Lab File: VU026694.D

Acq: 12 Sep 2018 10:46

Instrument :

MSVOA_U

ClientSampleId :

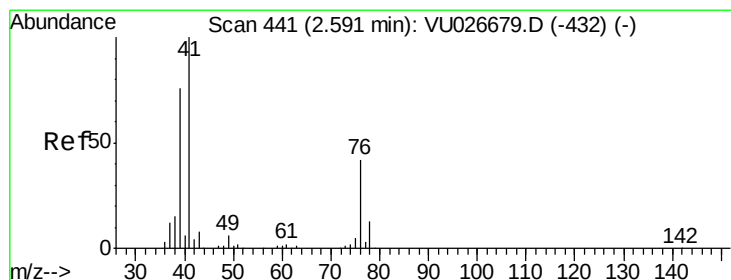
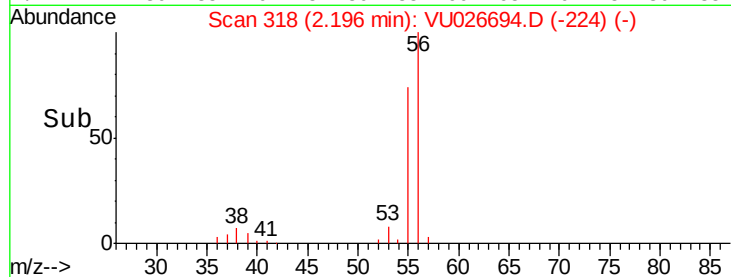
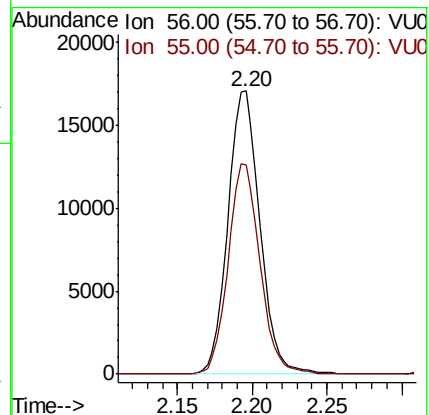
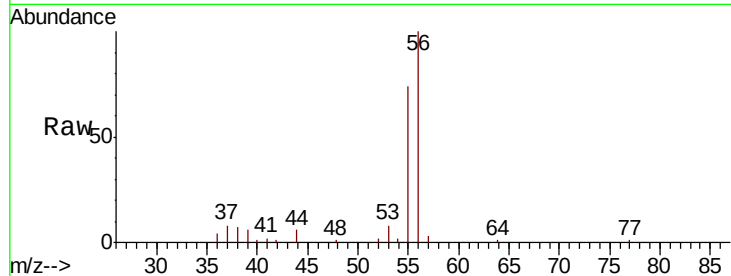
VU0912MBS02

Tot Ion: 56 Resp: 25451

Ion Ratio Lower Upper

56 100

55 73.7 57.4 86.2



#14

Allyl chloride

Concen: 18.19 ug/l

RT: 2.59 min Scan# 441

Delta R.T. -0.00 min

Lab File: VU026694.D

Acq: 12 Sep 2018 10:46

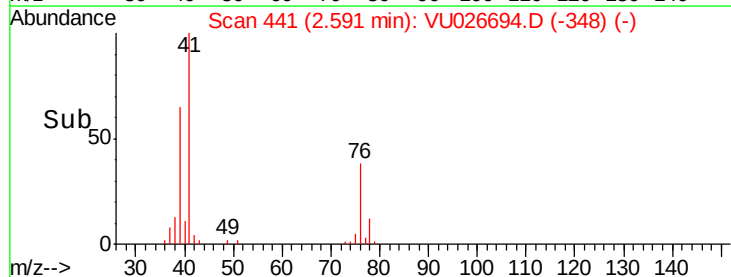
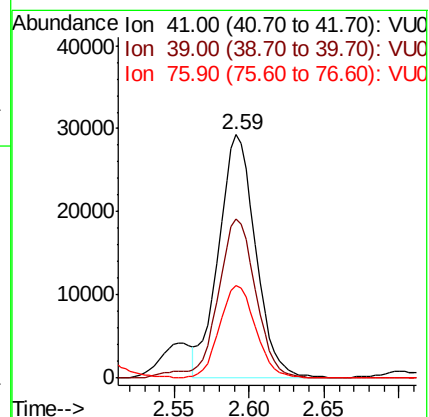
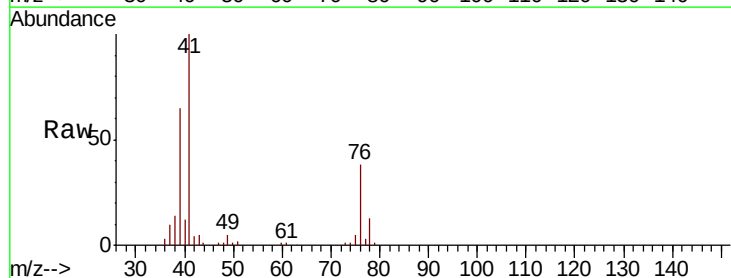
Tgt Ion: 41 Resp: 50308

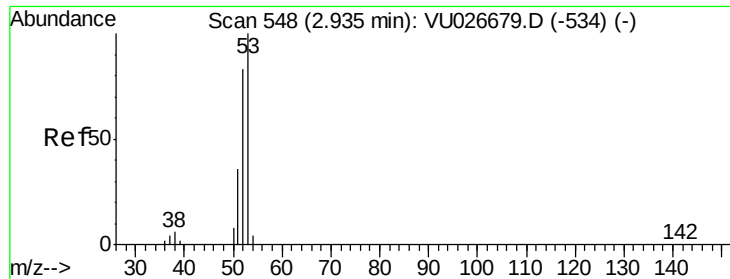
Ion Ratio Lower Upper

41 100

39 67.6 56.9 85.3

76 37.4 29.7 44.5





#15

Acrylonitrile

Concen: 97.08 ug/l

RT: 2.94 min Scan# 548

Delta R.T. -0.00 min

Lab File: VU026694.D

Acq: 12 Sep 2018 10:46

Instrument :

MSVOA_U

ClientSampleId :

VU0912MBS02

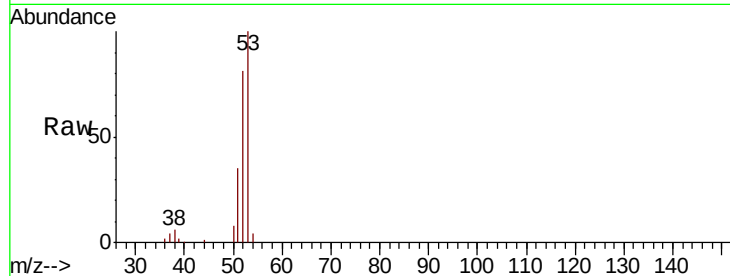
Tot Ion: 53 Resp: 102973

Ion Ratio Lower Upper

53 100

52 81.0 65.8 98.8

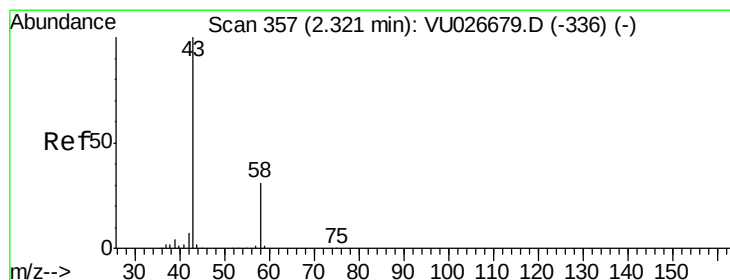
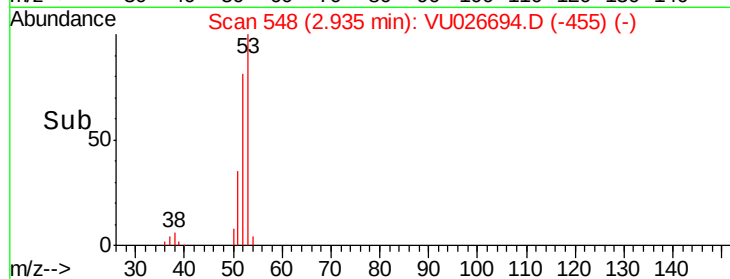
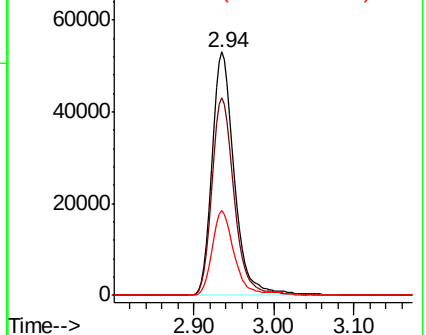
51 34.8 27.7 41.5



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: 82.92 ug/l

RT: 2.32 min Scan# 357

Delta R.T. -0.00 min

Lab File: VU026694.D

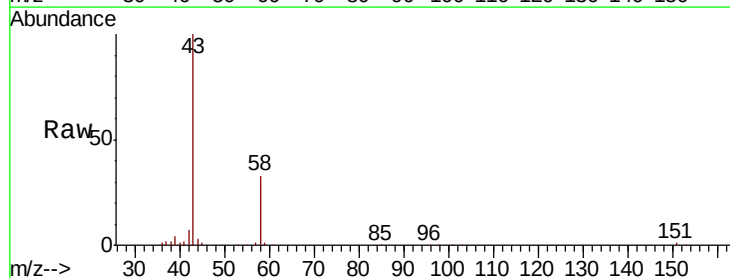
Acq: 12 Sep 2018 10:46

Tgt Ion: 43 Resp: 95259

Ion Ratio Lower Upper

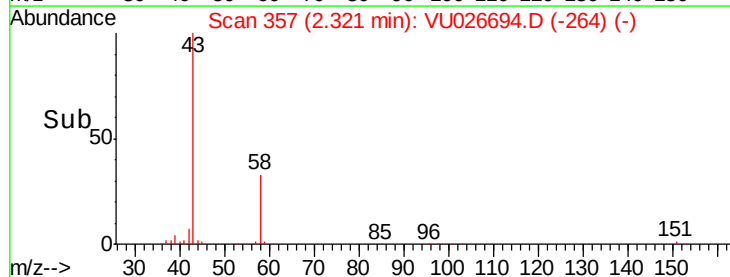
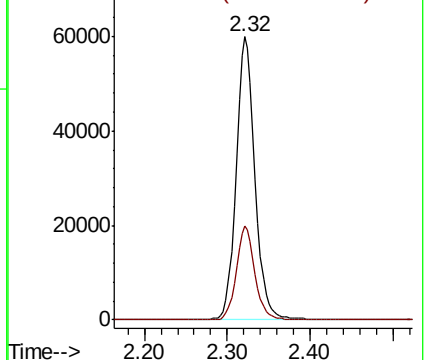
43 100

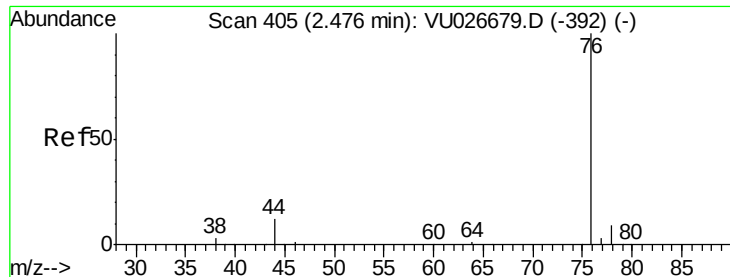
58 33.0 25.1 37.7



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0

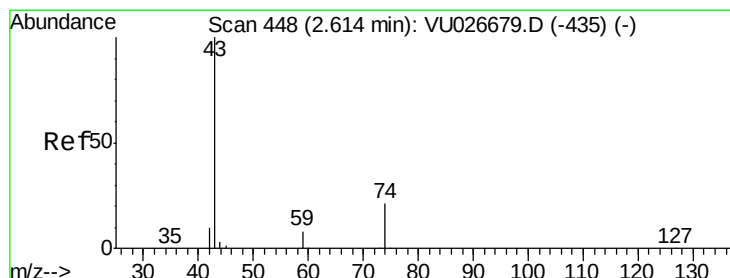
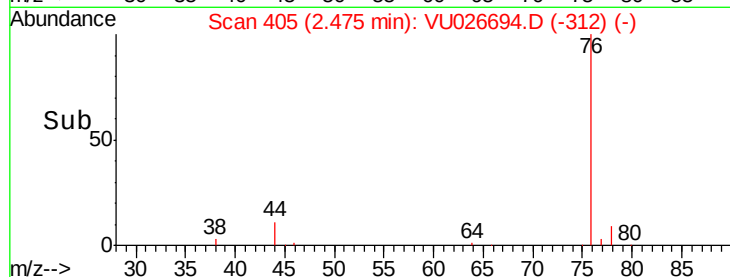
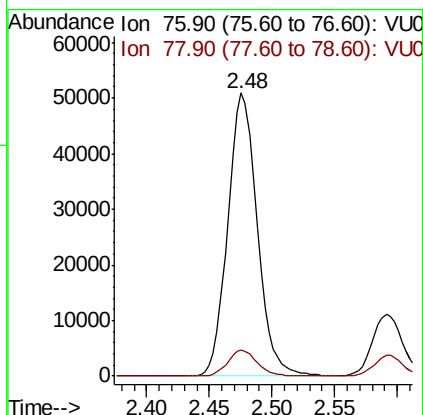
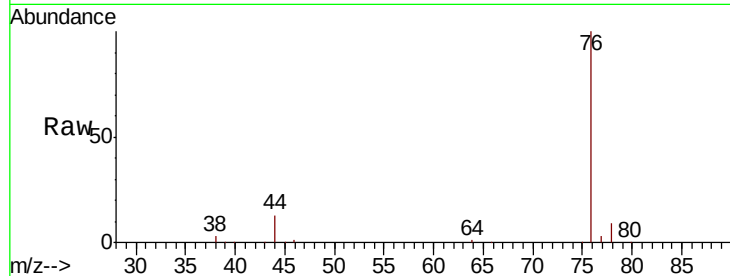




#17
Carbon Disulfide
Concen: 17.05 ug/l
RT: 2.48 min Scan# 405
Delta R.T. -0.00 min
Lab File: VU026694.D
Acq: 12 Sep 2018 10:46

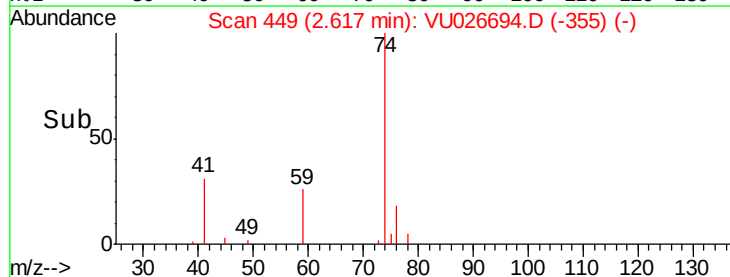
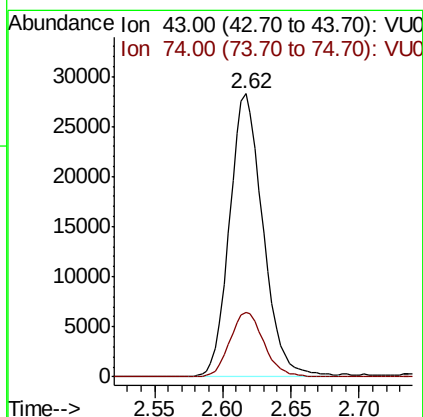
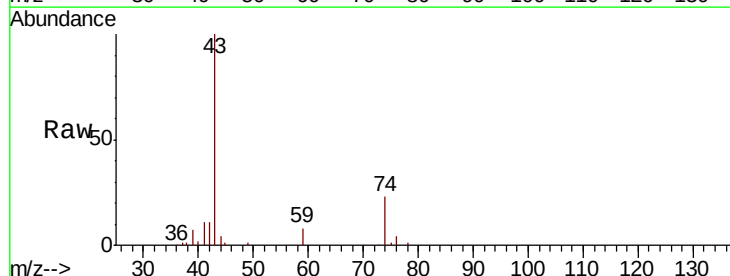
Instrument :
MSVOA_U
ClientSampleId :
VU0912MBS02

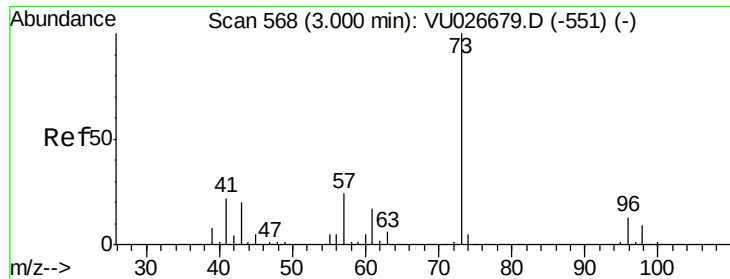
Tot Ion: 76 Resp: 83329
Ion Ratio Lower Upper
76 100
78 9.3 7.0 10.6



#18
Methyl Acetate
Concen: 19.49 ug/l
RT: 2.62 min Scan# 449
Delta R.T. 0.00 min
Lab File: VU026694.D
Acq: 12 Sep 2018 10:46

Tgt Ion: 43 Resp: 48307
Ion Ratio Lower Upper
43 100
74 23.1 17.7 26.5

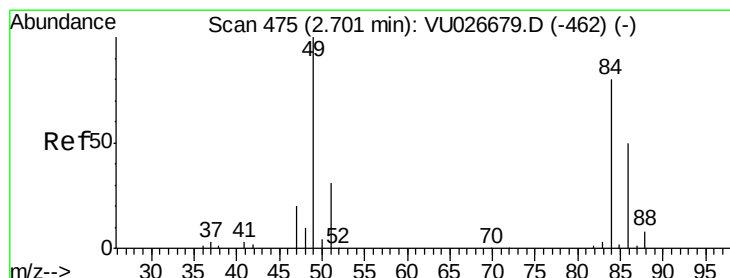
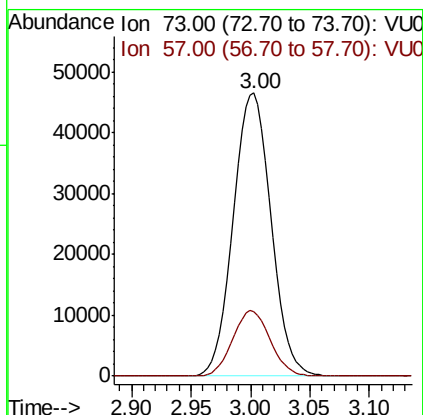
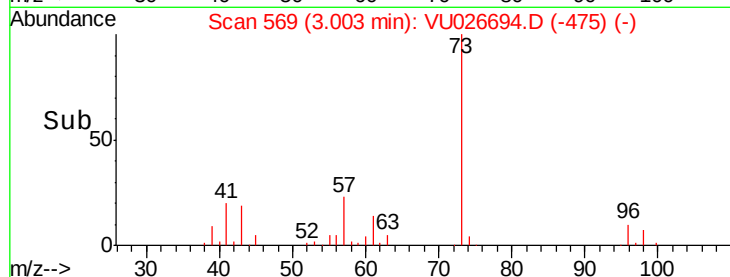
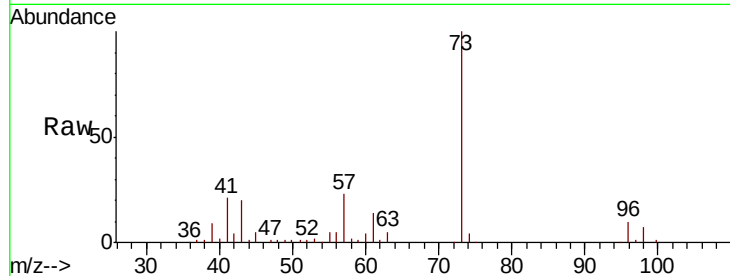




#19
Methyl tert-butyl Ether
Concen: 19.38 ug/l
RT: 3.00 min Scan# 569
Delta R.T. 0.00 min
Lab File: VU026694.D
Acq: 12 Sep 2018 10:46

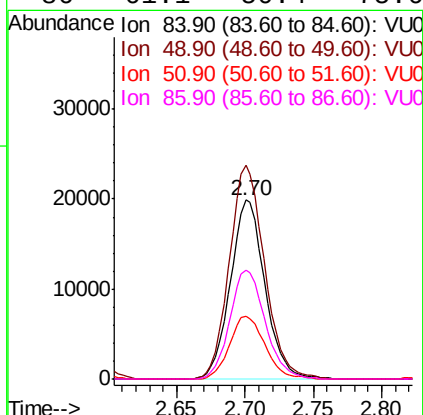
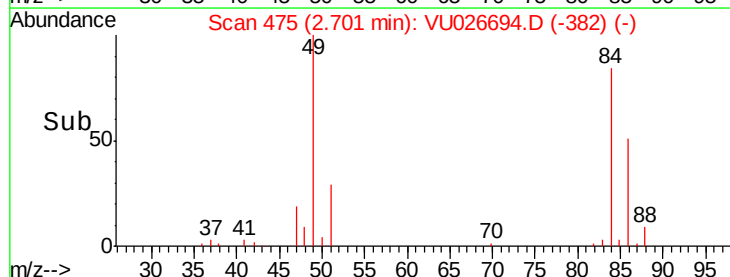
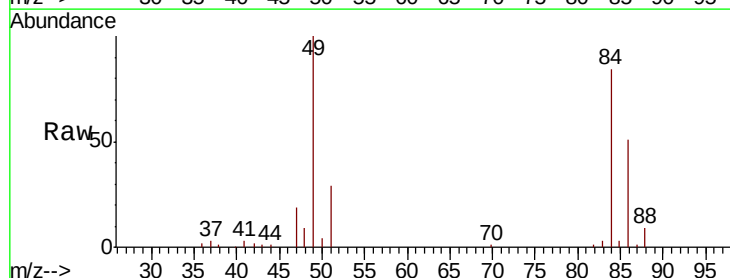
Instrument :
MSVOA_U
ClientSampleId :
VU0912MBS02

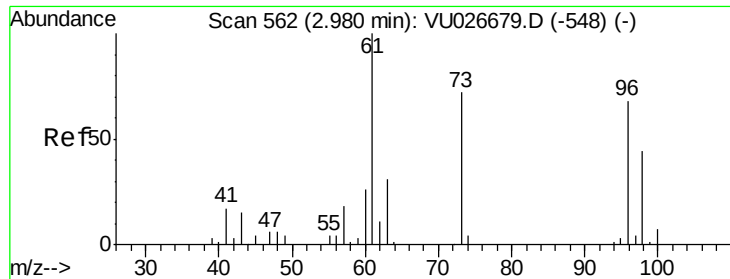
Tot Ion: 73 Resp: 102476
Ion Ratio Lower Upper
73 100
57 23.0 18.9 28.3



#20
Methylene Chloride
Concen: 18.79 ug/l
RT: 2.70 min Scan# 475
Delta R.T. -0.00 min
Lab File: VU026694.D
Acq: 12 Sep 2018 10:46

Tgt Ion: 84 Resp: 35019
Ion Ratio Lower Upper
84 100
49 119.4 100.6 151.0
51 35.2 30.9 46.3
86 61.1 50.4 75.6





#21

trans-1,2-Dichloroethene

Concen: 19.11 ug/l

RT: 2.98 min Scan# 563

Delta R.T. 0.00 min

Lab File: VU026694.D

Acq: 12 Sep 2018 10:46

Instrument :

MSVOA_U

ClientSampleId :

VU0912MBS02

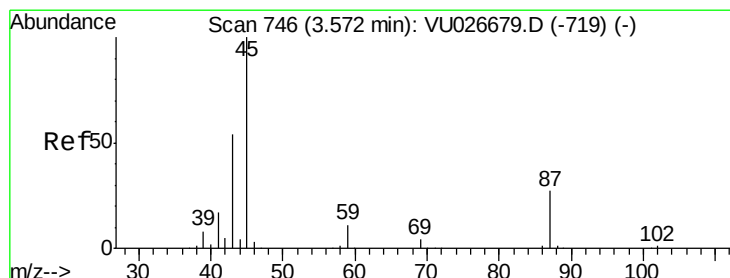
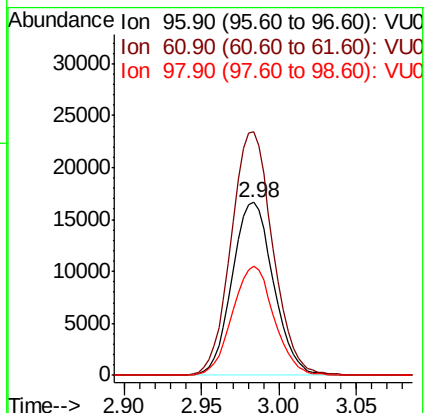
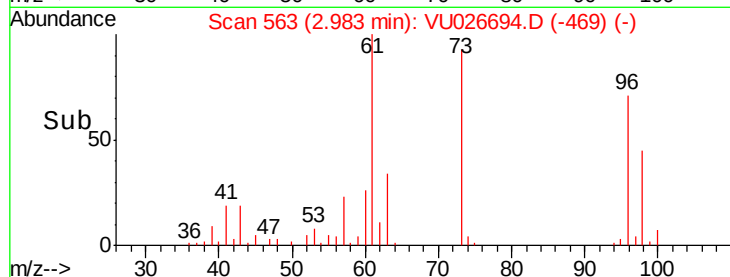
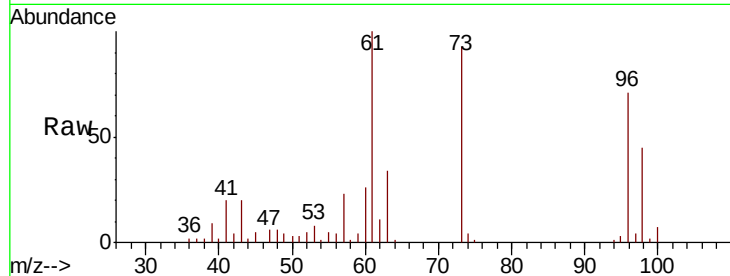
Tot Ion: 96 Resp: 30920

Ion Ratio Lower Upper

96 100

61 140.7 117.7 176.5

98 63.2 52.0 78.0



#22

Diisopropyl ether

Concen: 19.33 ug/l

RT: 3.58 min Scan# 747

Delta R.T. 0.00 min

Lab File: VU026694.D

Acq: 12 Sep 2018 10:46

Tgt Ion: 45 Resp: 111565

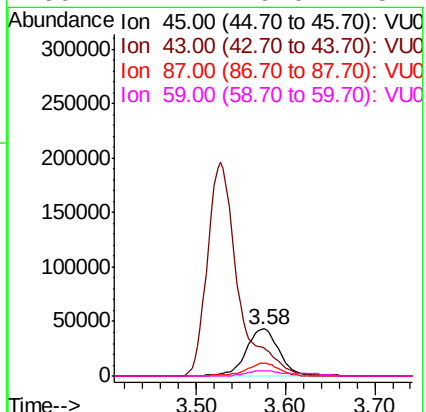
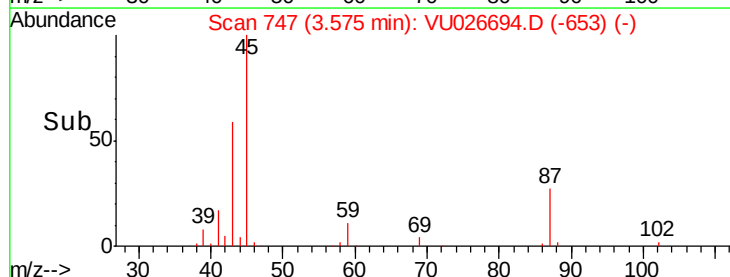
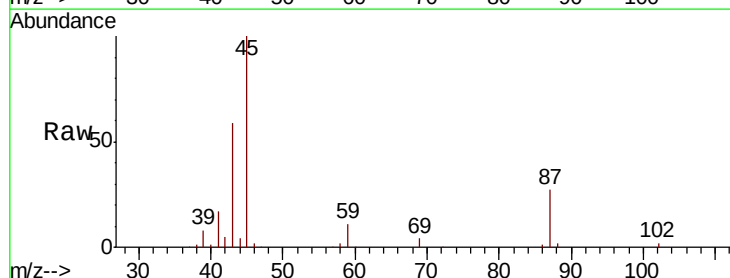
Ion Ratio Lower Upper

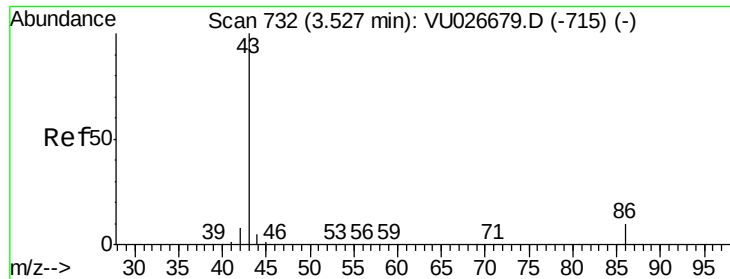
45 100

43 57.6 44.6 67.0

87 26.7 21.4 32.0

59 11.2 9.0 13.4





#23

Vinyl Acetate

Concen: 95.81 ug/l

RT: 3.53 min Scan# 732

Delta R.T. -0.00 min

Lab File: VU026694.D

Acq: 12 Sep 2018 10:46

Instrument :

MSVOA_U

ClientSampleId :

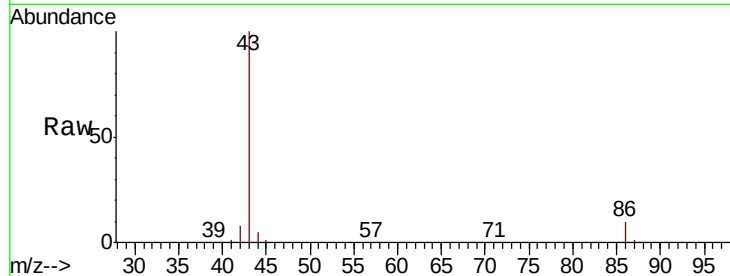
VU0912MBS02

Tot Ion: 43 Resp: 469793

Ion Ratio Lower Upper

43 100

86 10.3 7.8 11.8



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 86.00 (85.70 to 86.70): VU0

3.53

200000

150000

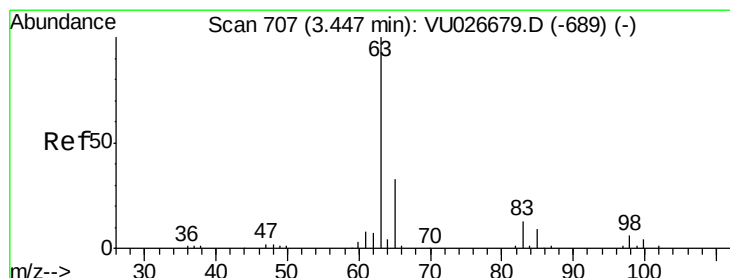
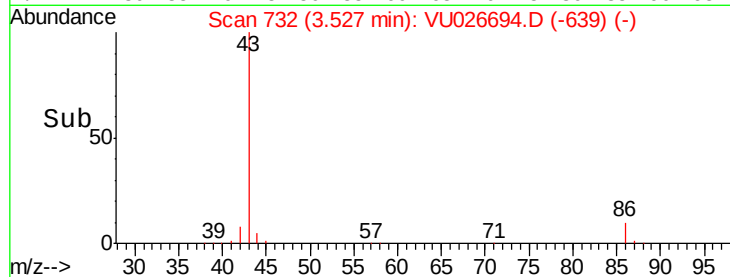
100000

50000

0

3.40 3.50 3.60 3.70

Time-->



#24

1,1-Dichloroethane

Concen: 18.91 ug/l

RT: 3.45 min Scan# 707

Delta R.T. -0.00 min

Lab File: VU026694.D

Acq: 12 Sep 2018 10:46

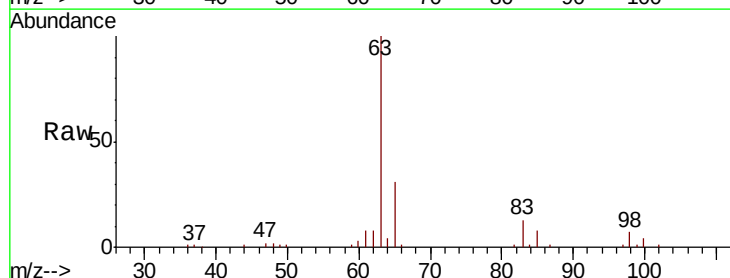
Tgt Ion: 63 Resp: 61586

Ion Ratio Lower Upper

63 100

98 7.1 3.1 9.4

100 3.9 2.0 6.0



Abundance Ion 62.90 (62.60 to 63.60): VU0

Ion 97.90 (97.60 to 98.60): VU0

Ion 99.90 (99.60 to 100.60): VU0

3.45

30000

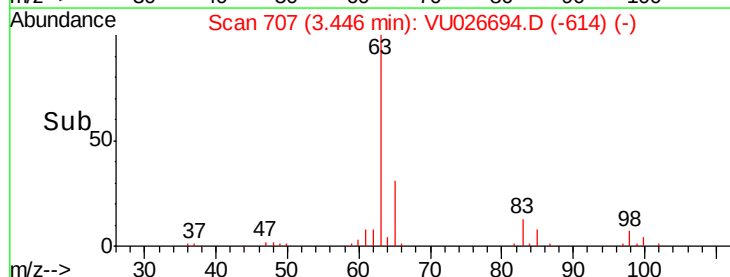
20000

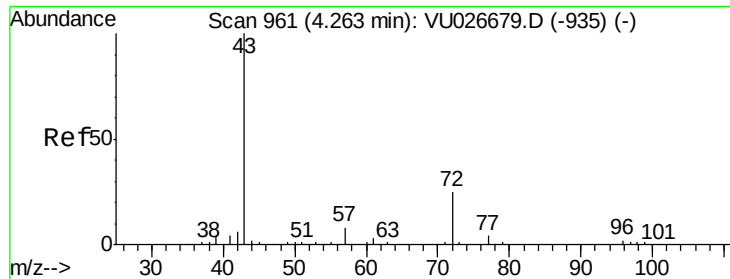
10000

0

3.35 3.40 3.45 3.50 3.55

Time-->





#25

2-Butanone

Concen: 90.64 ug/l

RT: 4.27 min Scan# 962

Delta R.T. 0.00 min

Lab File: VU026694.D

Acq: 12 Sep 2018 10:46

Instrument :

MSVOA_U

ClientSampleId :

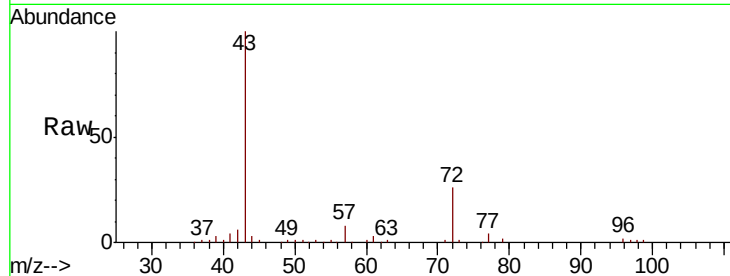
VU0912MBS02

Tot Ion: 43 Resp: 140260

Ion Ratio Lower Upper

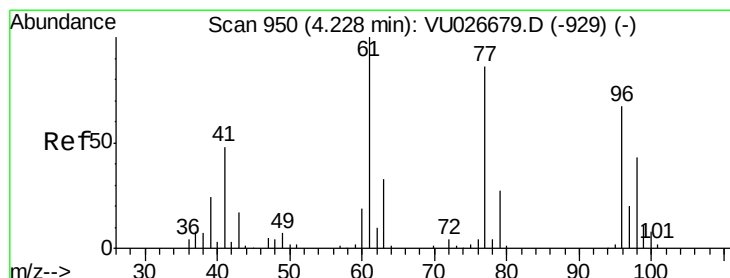
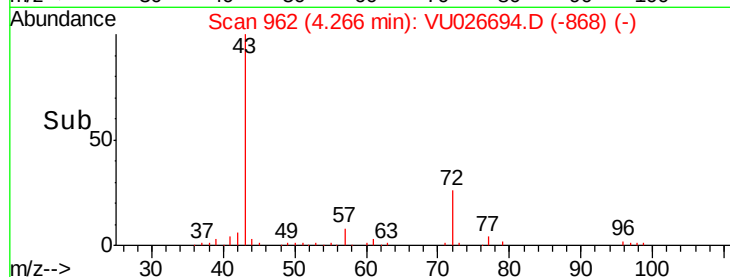
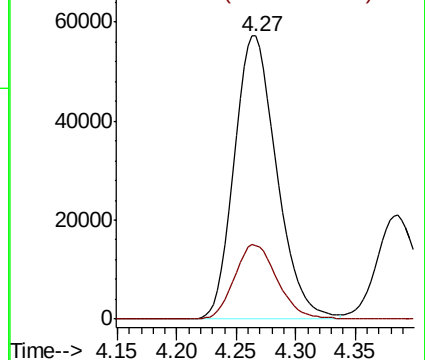
43 100

72 26.1 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: 18.40 ug/l

RT: 4.23 min Scan# 950

Delta R.T. -0.00 min

Lab File: VU026694.D

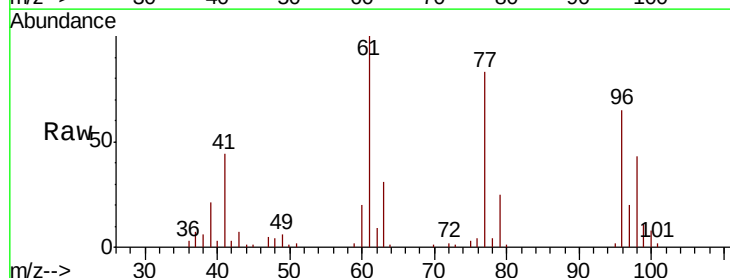
Acq: 12 Sep 2018 10:46

Tgt Ion: 77 Resp: 49255

Ion Ratio Lower Upper

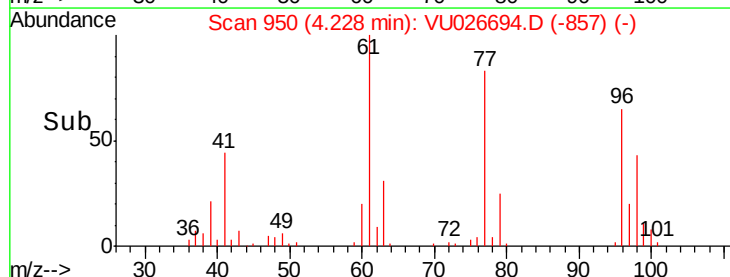
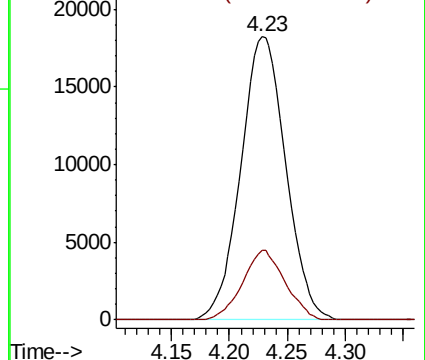
77 100

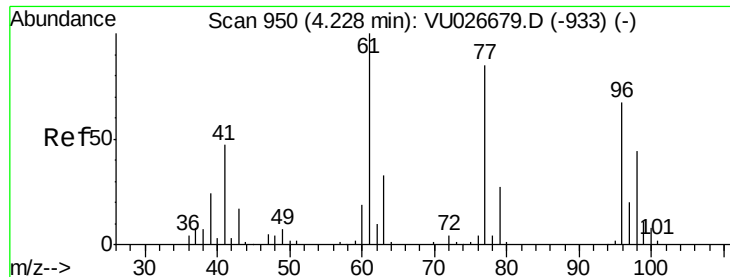
97 23.2 11.6 34.8



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: 19.13 ug/l

RT: 4.23 min Scan# 950

Delta R.T. -0.00 min

Lab File: VU026694.D

Acq: 12 Sep 2018 10:46

Instrument :

MSVOA_U

ClientSampleId :

VU0912MBS02

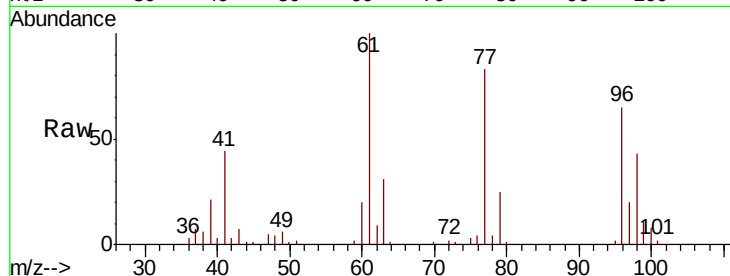
Tot Ion: 96 Resp: 35669

Ion Ratio Lower Upper

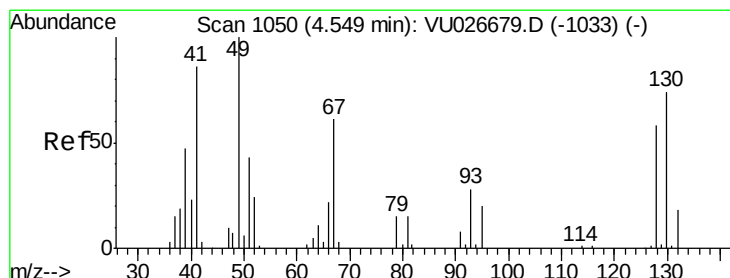
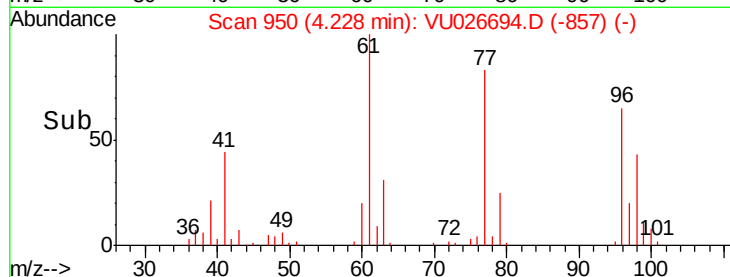
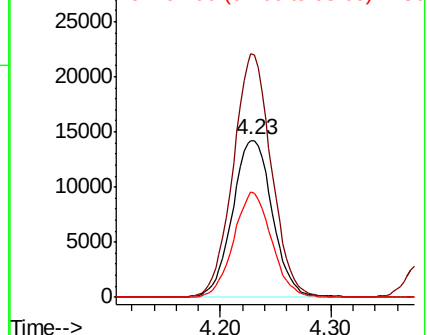
96 100

61 148.7 0.0 301.8

98 63.5 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: 18.34 ug/l

RT: 4.55 min Scan# 1050

Delta R.T. -0.00 min

Lab File: VU026694.D

Acq: 12 Sep 2018 10:46

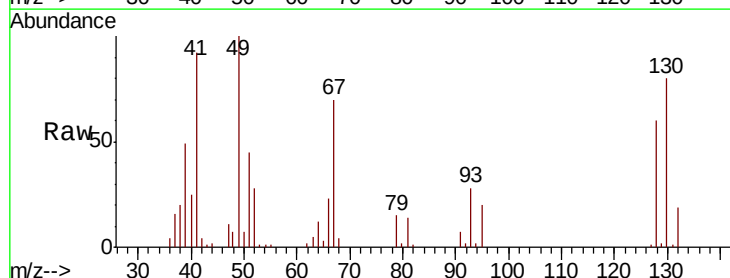
Tgt Ion: 49 Resp: 28563

Ion Ratio Lower Upper

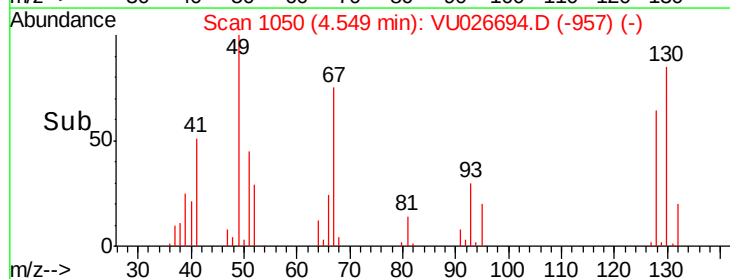
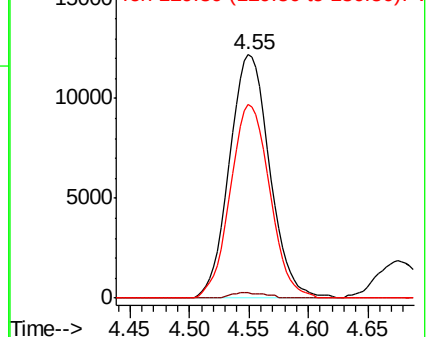
49 100

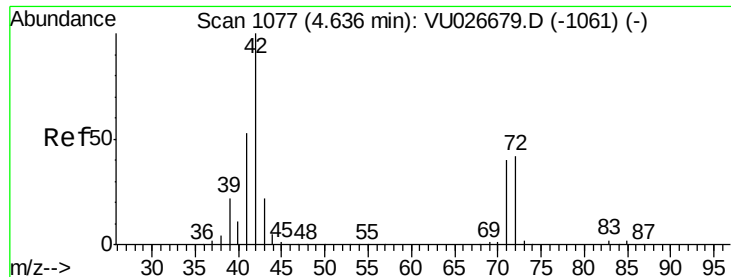
129 1.9 0.0 3.8

130 78.1 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

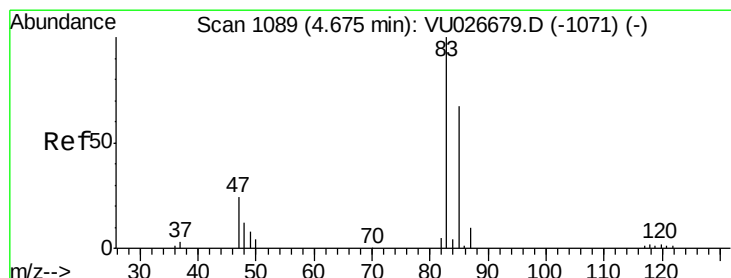
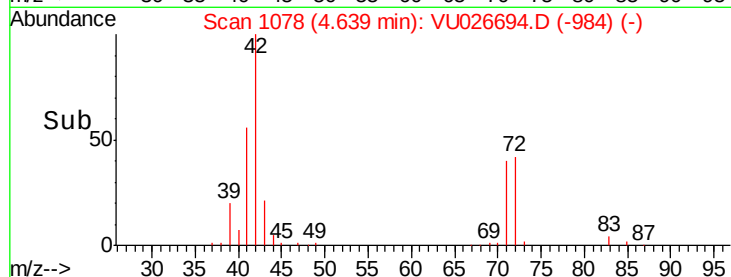
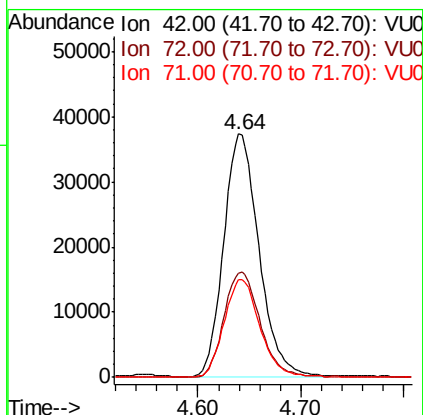
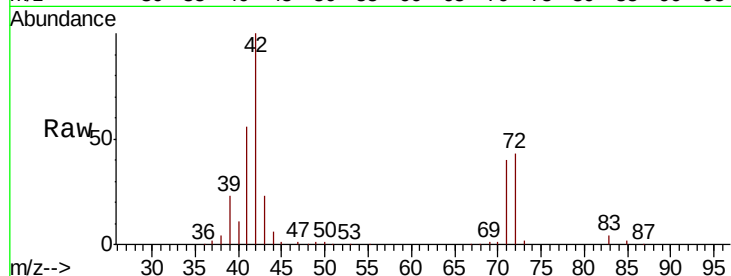




#29
Tetrahydrofuran
Concen: 96.03 ug/l
RT: 4.64 min Scan# 1078
Delta R.T. 0.00 min
Lab File: VU026694.D
Acq: 12 Sep 2018 10:46

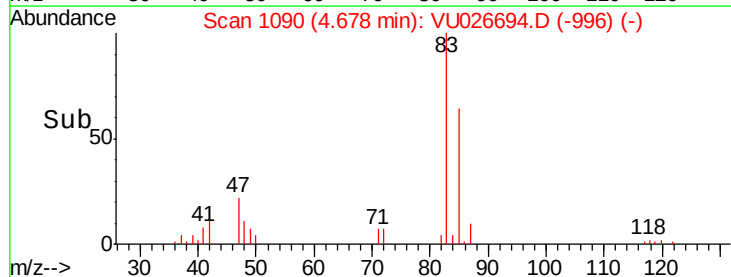
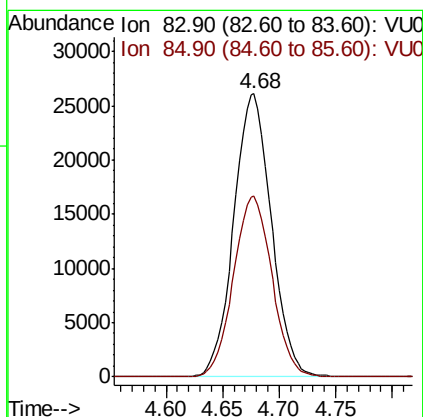
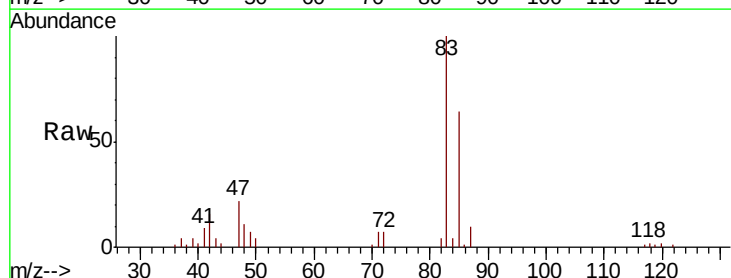
Instrument :
MSVOA_U
ClientSampleId :
VU0912MBS02

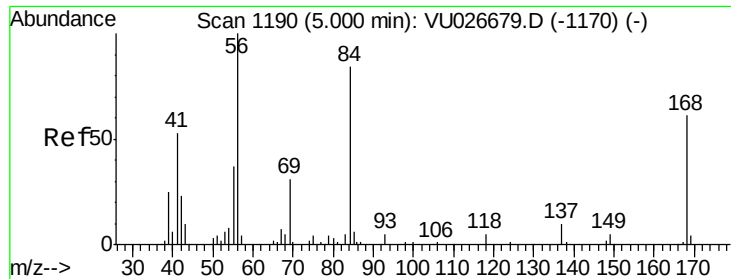
Tot Ion: 42 Resp: 89595
Ion Ratio Lower Upper
42 100
72 44.0 34.4 51.6
71 40.7 32.4 48.6



#30
Chloroform
Concen: 18.86 ug/l
RT: 4.68 min Scan# 1090
Delta R.T. 0.00 min
Lab File: VU026694.D
Acq: 12 Sep 2018 10:46

Tgt Ion: 83 Resp: 60403
Ion Ratio Lower Upper
83 100
85 63.9 53.3 79.9

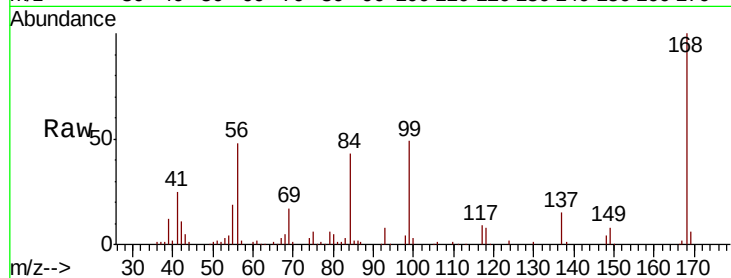




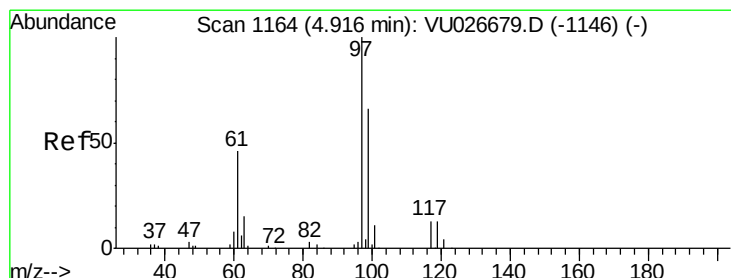
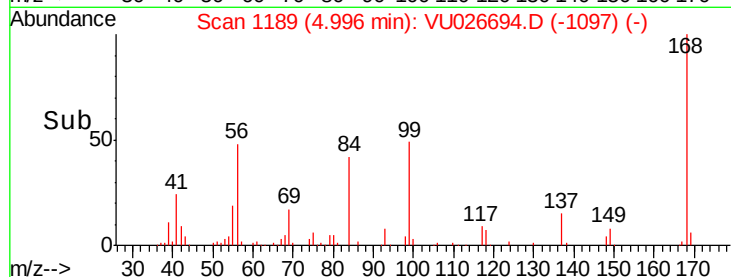
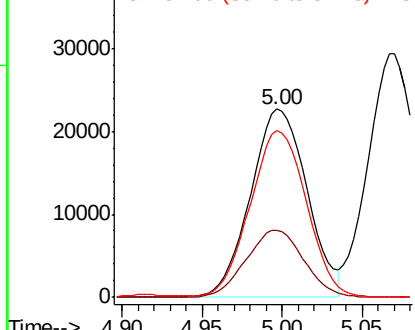
#31
Cyclohexane
Concen: 18.60 ug/l
RT: 5.00 min Scan# 1189
Delta R.T. -0.00 min
Lab File: VU026694.D
Acq: 12 Sep 2018 10:46

Instrument :
MSVOA_U
ClientSampleId :
VU0912MBS02

Tot Ion: 56 Resp: 55648
Ion Ratio Lower Upper
56 100
69 35.8 24.9 37.3
84 87.9 66.6 100.0

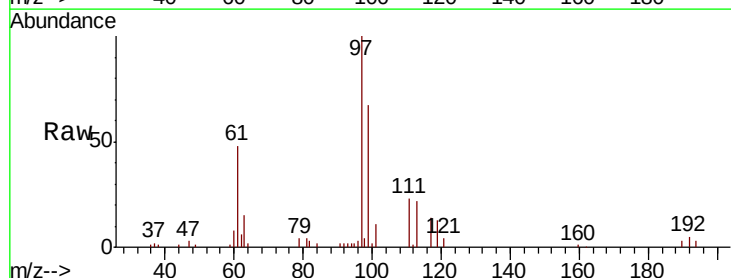


Abundance Ion 56.00 (55.70 to 56.70): VU0
Ion 69.00 (68.70 to 69.70): VU0
Ion 84.00 (83.70 to 84.70): VU0

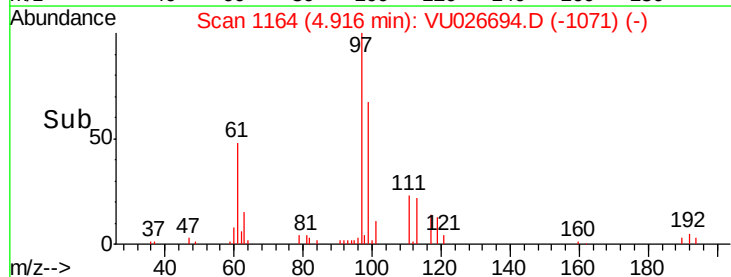
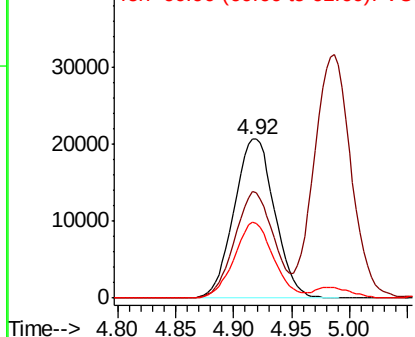


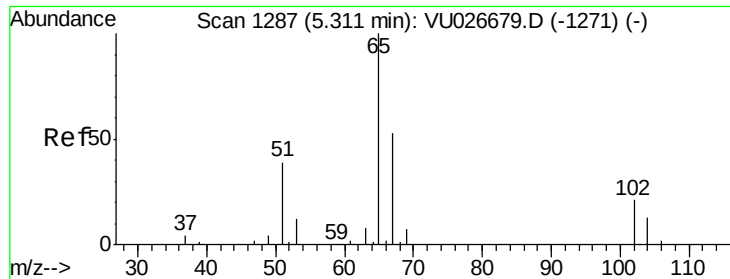
#32
1,1,1-Trichloroethane
Concen: 18.96 ug/l
RT: 4.92 min Scan# 1164
Delta R.T. -0.00 min
Lab File: VU026694.D
Acq: 12 Sep 2018 10:46

Tgt Ion: 97 Resp: 50264
Ion Ratio Lower Upper
97 100
99 63.9 52.2 78.2
61 46.1 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

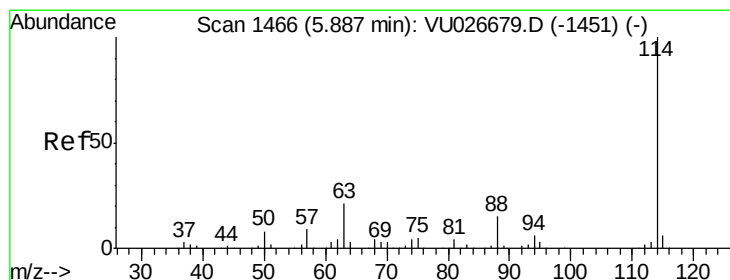
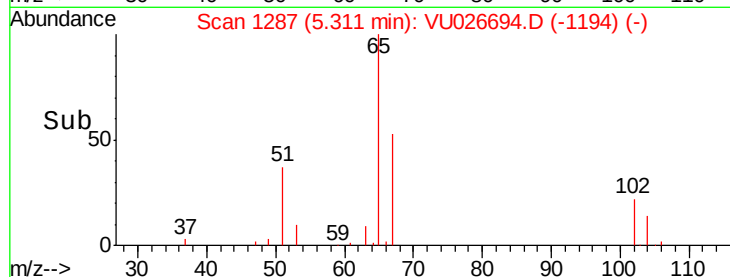
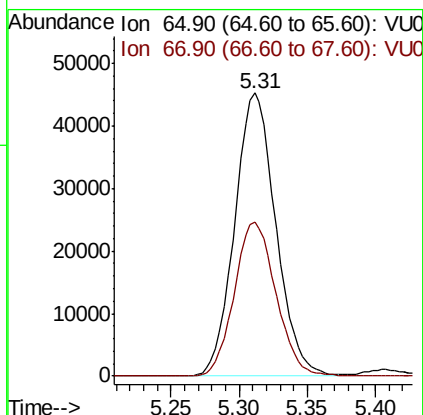
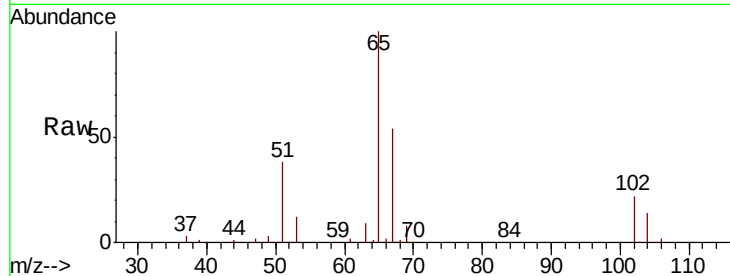




#33
 1,2-Dichloroethane-d4
 Concen: 46.64 ug/l
 RT: 5.31 min Scan# 1287
 Delta R.T. -0.00 min
 Lab File: VU026694.D
 Acq: 12 Sep 2018 10:46

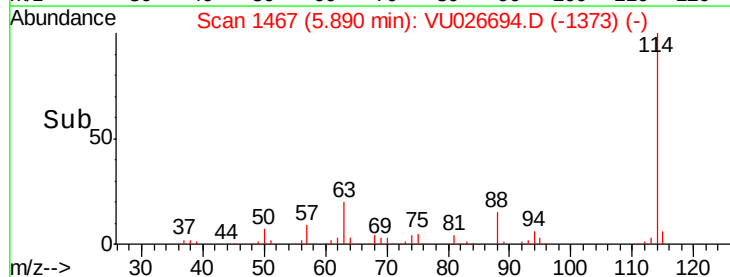
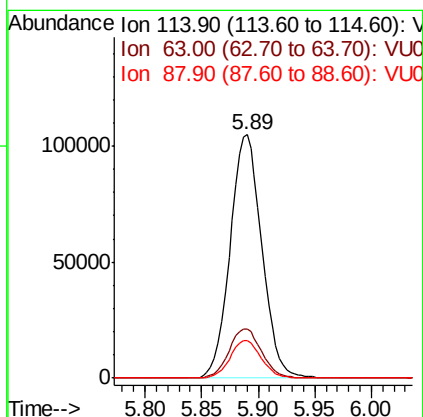
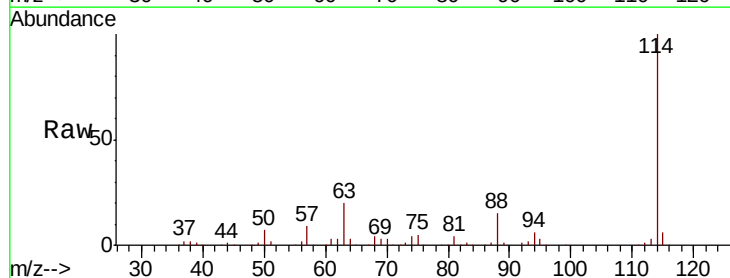
Instrument :
 MSVOA_U
 ClientSampleId :
 VU0912MBS02

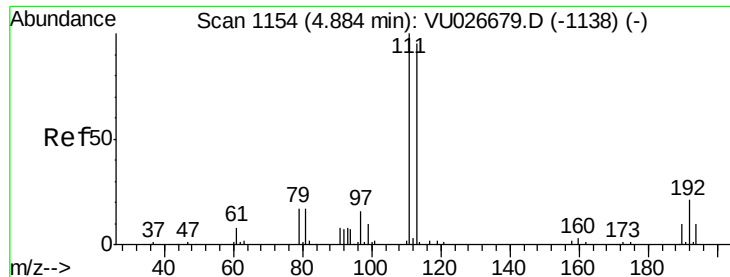
Tot Ion: 65 Resp: 94638
 Ion Ratio Lower Upper
 65 100
 67 55.2 0.0 106.4



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 5.89 min Scan# 1467
 Delta R.T. 0.00 min
 Lab File: VU026694.D
 Acq: 12 Sep 2018 10:46

Tgt Ion: 114 Resp: 204555
 Ion Ratio Lower Upper
 114 100
 63 20.2 0.0 41.4
 88 15.3 0.0 30.8

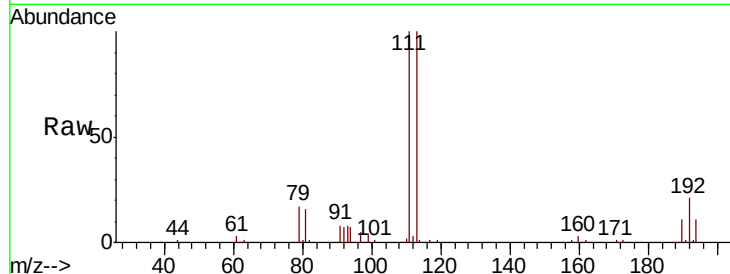




#35
 Dibromofluoromethane
 Concen: 48.04 ug/l
 RT: 4.88 min Scan# 1154
 Delta R.T. -0.00 min
 Lab File: VU026694.D
 Acq: 12 Sep 2018 10:46

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0912MBS02

Tot Ion	Ratio	Lower	Upper
113	100		
111	102.6	83.1	124.7
192	21.9	17.4	26.2

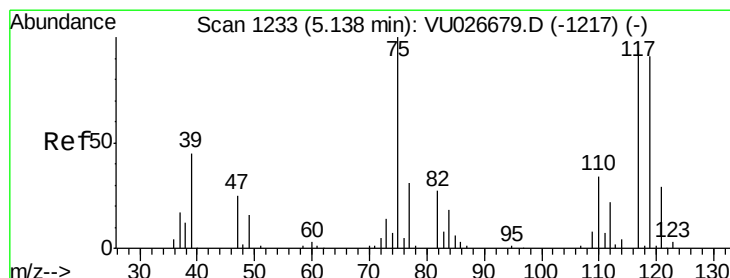
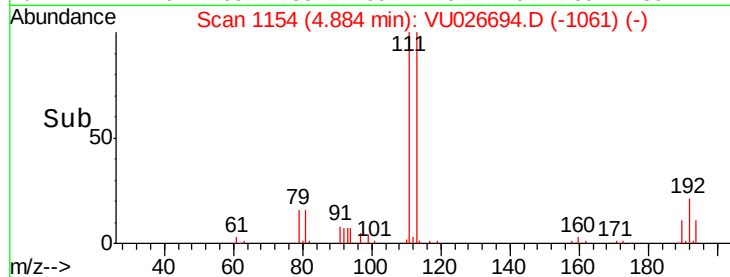
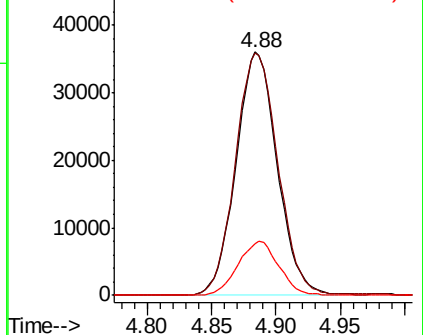


Abundance

Ion 112.80 (112.50 to 113.50): V

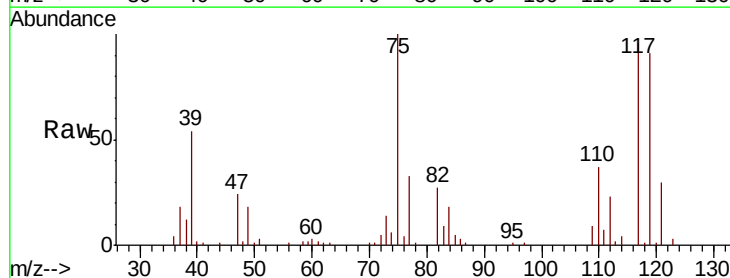
Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36
 1,1-Dichloropropene
 Concen: 18.94 ug/l
 RT: 5.14 min Scan# 1234
 Delta R.T. 0.00 min
 Lab File: VU026694.D
 Acq: 12 Sep 2018 10:46

Tgt Ion	Ratio	Lower	Upper
75	100		
110	35.1	17.3	51.9
77	31.5	24.9	37.3

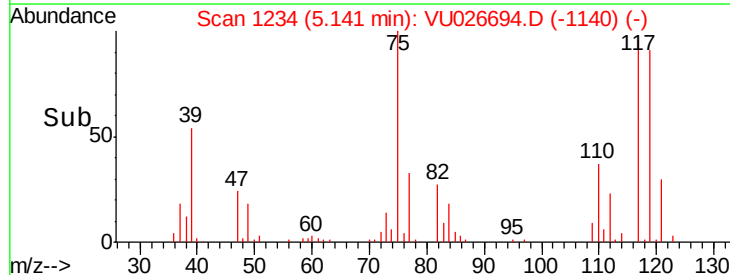
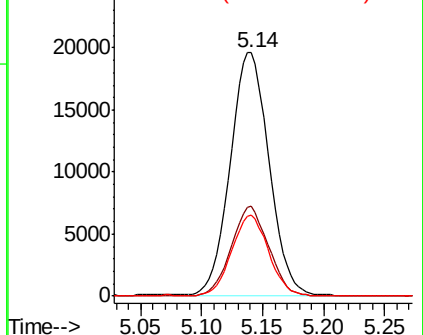


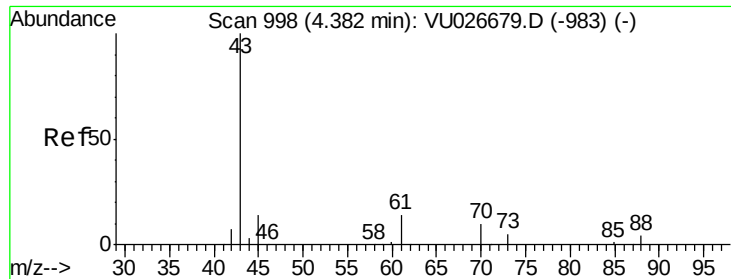
Abundance

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

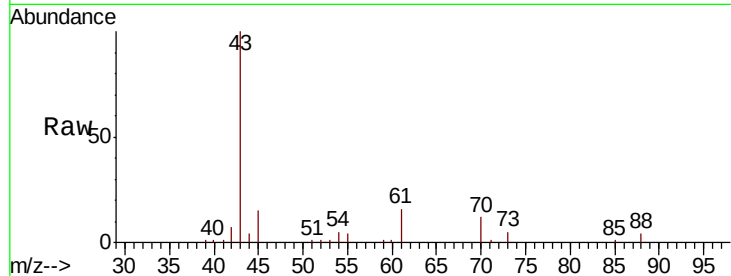




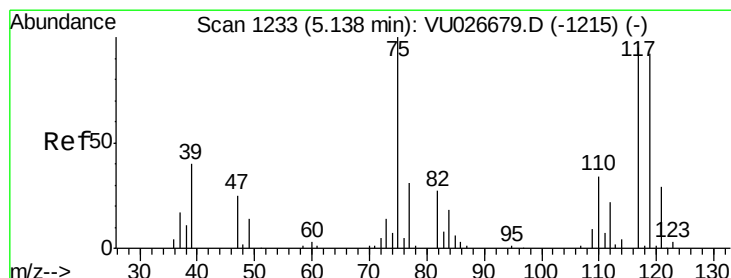
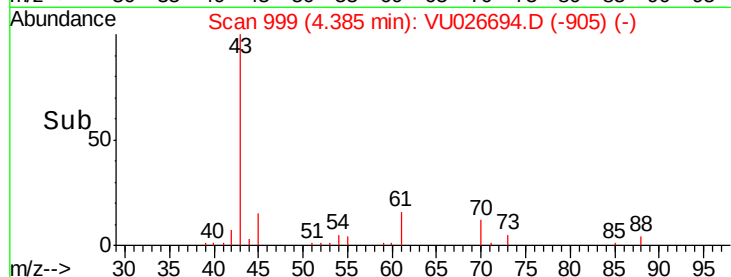
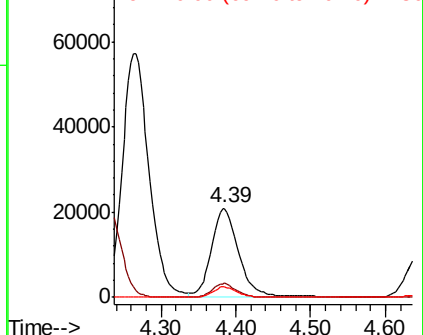
#37
Ethyl Acetate
Concen: 18.91 ug/l
RT: 4.39 min Scan# 999
Delta R.T. 0.00 min
Lab File: VU026694.D
Acq: 12 Sep 2018 10:46

Instrument :
MSVOA_U
ClientSampleId :
VU0912MBS02

Tot Ion: 43 Resp: 52235
Ion Ratio Lower Upper
43 100
61 14.2 11.5 17.3
70 10.5 7.8 11.8

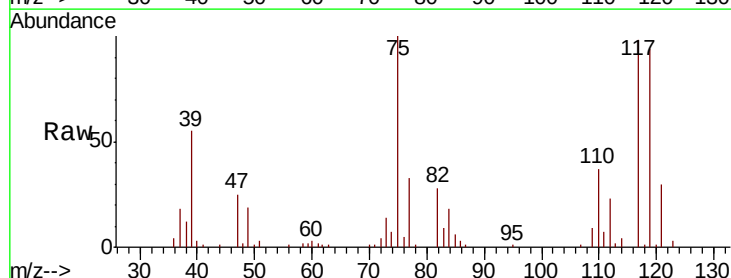


Abundance Ion 43.00 (42.70 to 43.70): VU0
Ion 60.90 (60.60 to 61.60): VU0
Ion 70.00 (69.70 to 70.70): VU0

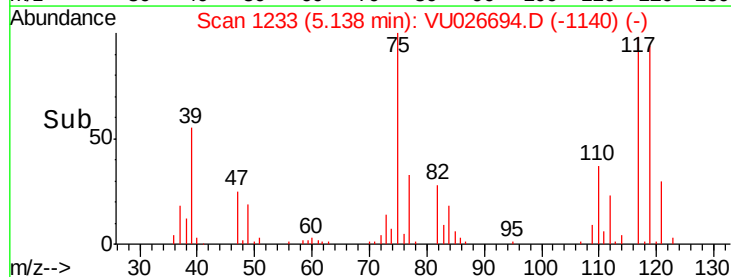
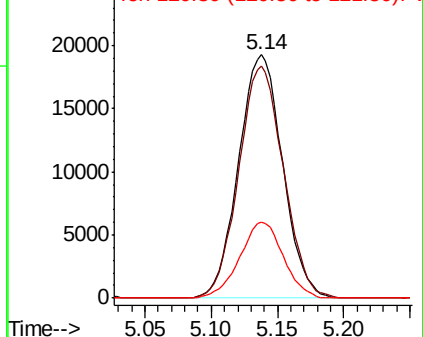


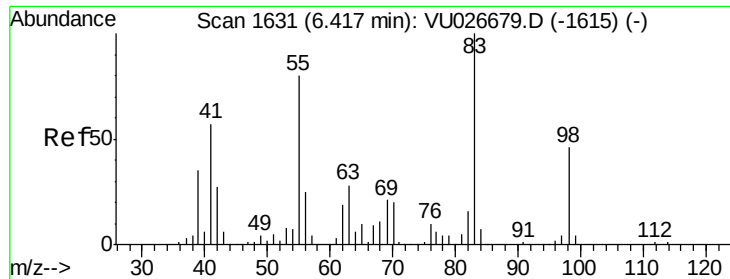
#38
Carbon Tetrachloride
Concen: 18.36 ug/l
RT: 5.14 min Scan# 1233
Delta R.T. -0.00 min
Lab File: VU026694.D
Acq: 12 Sep 2018 10:46

Tgt Ion: 117 Resp: 44555
Ion Ratio Lower Upper
117 100
119 95.3 77.8 116.8
121 31.0 25.0 37.4



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

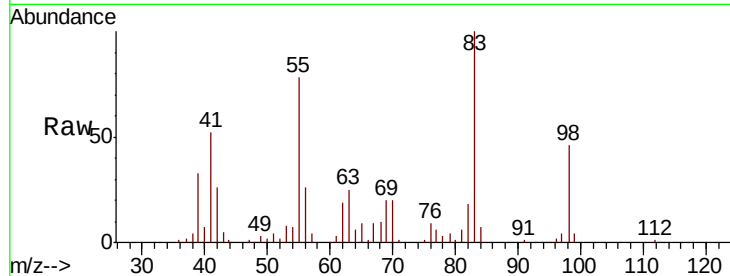




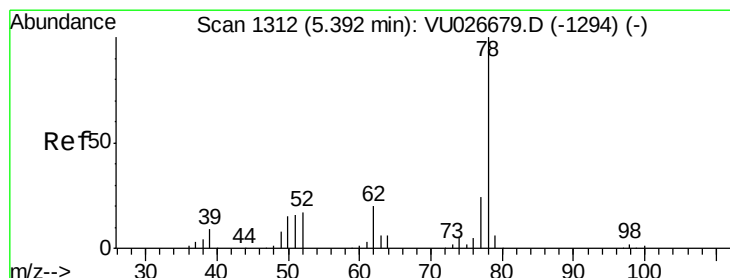
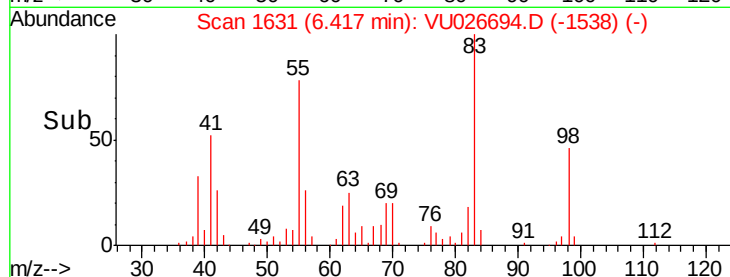
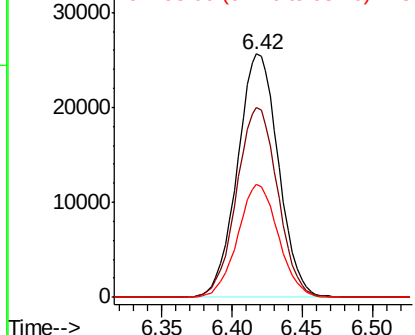
#39
Methylvlcyclohexane
Concen: 19.13 ug/l
RT: 6.42 min Scan# 1631
Delta R.T. -0.00 min
Lab File: VU026694.D
Acq: 12 Sep 2018 10:46

Instrument :
MSVOA_U
ClientSampleId :
VU0912MBS02

Tot Ion: 83 Resp: 52153
Ion Ratio Lower Upper
83 100
55 78.2 63.8 95.6
98 46.2 37.2 55.8

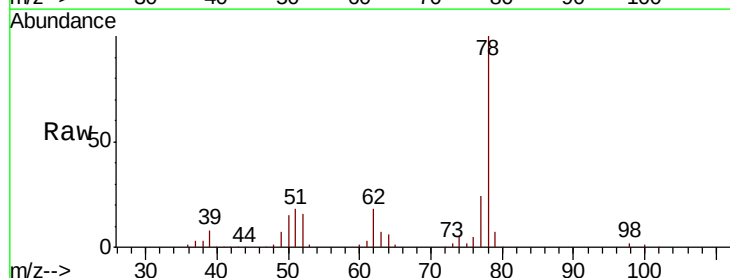


Abundance Ion 83.00 (82.70 to 83.70): VU0
Ion 55.00 (54.70 to 55.70): VU0
Ion 98.00 (97.70 to 98.70): VU0

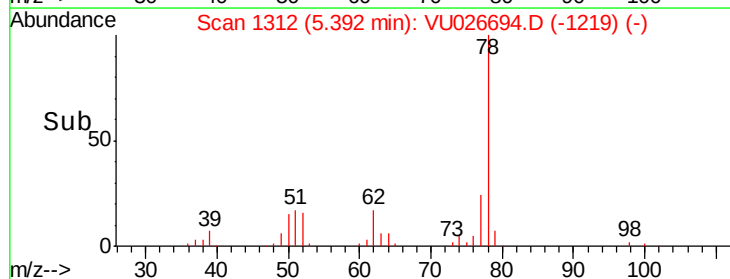
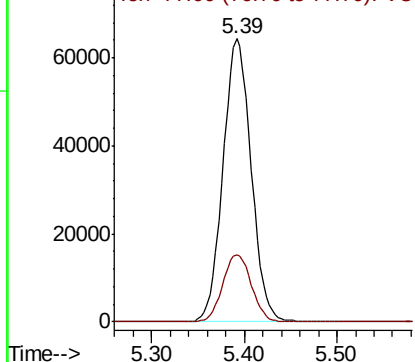


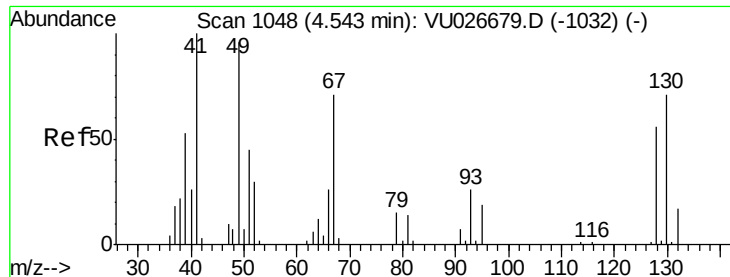
#40
Benzene
Concen: 18.96 ug/l
RT: 5.39 min Scan# 1312
Delta R.T. -0.00 min
Lab File: VU026694.D
Acq: 12 Sep 2018 10:46

Tgt Ion: 78 Resp: 135259
Ion Ratio Lower Upper
78 100
77 23.8 19.5 29.3



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





#41

Methacrylonitrile

Concen: 18.43 ug/l

RT: 4.54 min Scan# 1048

Delta R.T. 0.00 min

Lab File: VU026694.D

Acq: 12 Sep 2018 10:46

Instrument :

MSVOA_U

ClientSampleId :

VU0912MBS02

Tot Ion: 41 Resp: 27945

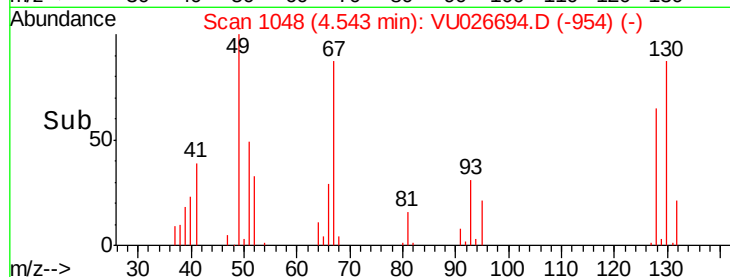
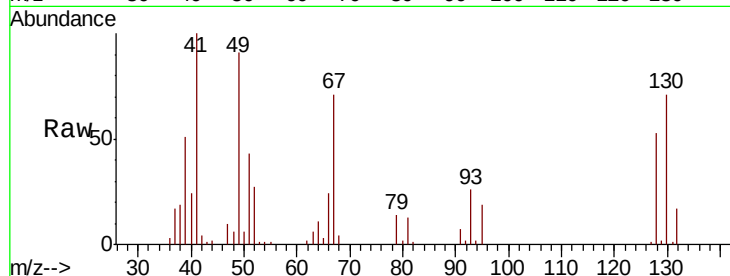
Ion Ratio Lower Upper

41 100

39 54.1 42.9 64.3

67 73.2 56.6 84.8

52 28.8 23.2 34.8

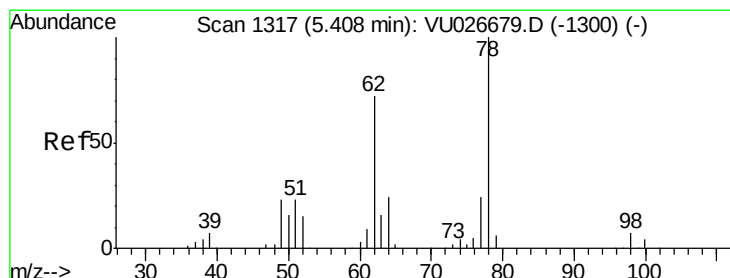
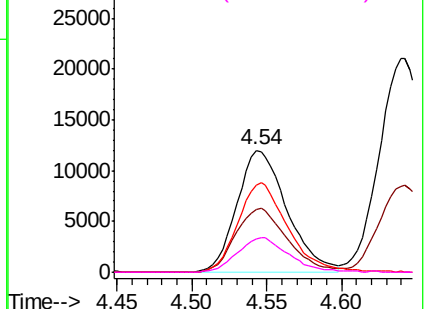


Abundance Ion 41.00 (40.70 to 41.70): VU0

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: 18.48 ug/l

RT: 5.41 min Scan# 1317

Delta R.T. -0.00 min

Lab File: VU026694.D

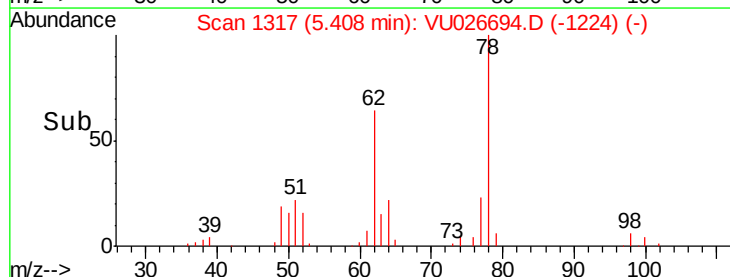
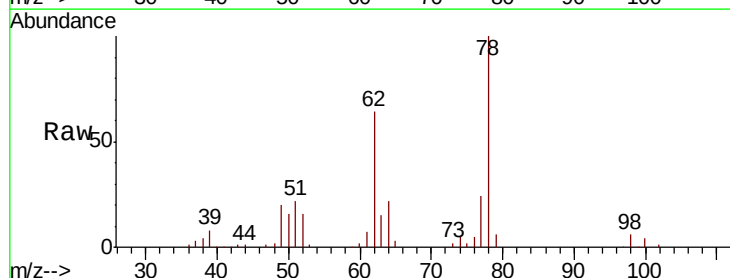
Acq: 12 Sep 2018 10:46

Tgt Ion: 62 Resp: 46995

Ion Ratio Lower Upper

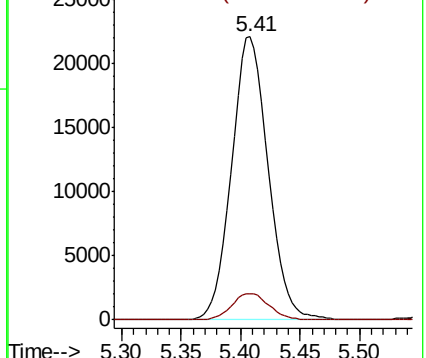
62 100

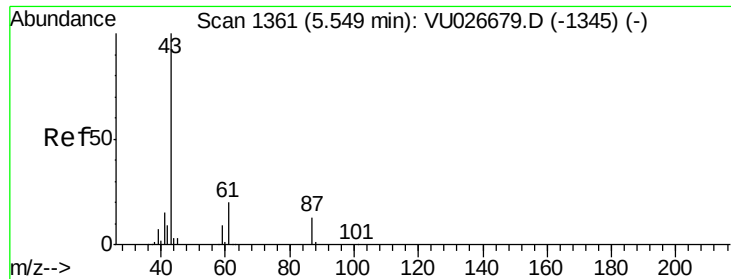
98 9.4 0.0 17.8



Abundance Ion 61.90 (61.60 to 62.60): VU0

Ion 97.90 (97.60 to 98.60): VU0





#43

Isopropyl Acetate

Concen: 19.39 ug/l

RT: 5.55 min Scan# 1362

Delta R.T. 0.00 min

Lab File: VU026694.D

Acq: 12 Sep 2018 10:46

Instrument :

MSVOA_U

ClientSampleId :

VU0912MBS02

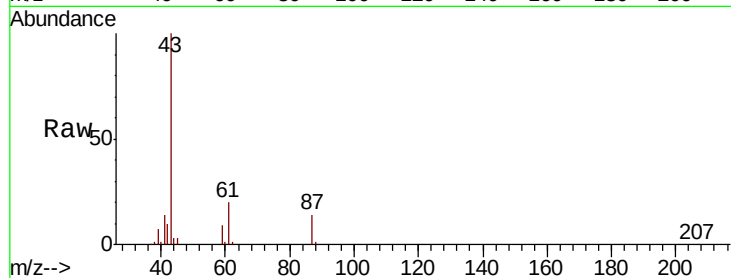
Tot Ion: 43 Resp: 81519

Ion Ratio Lower Upper

43 100

61 20.1 16.0 24.0

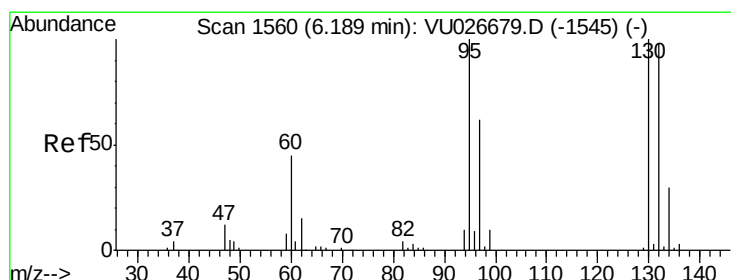
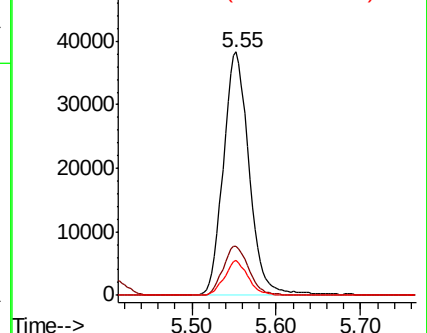
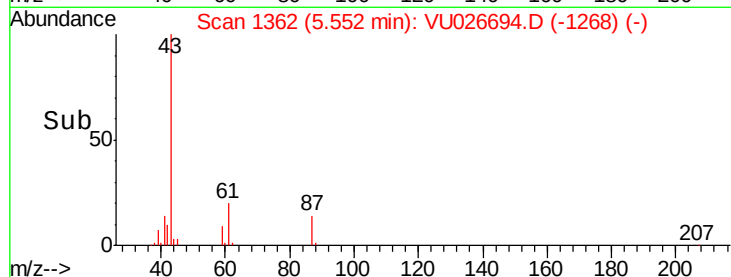
87 12.9 10.1 15.1



Abundance Ion 43.00 (42.70 to 43.70): VU026694.D (-1362) (-)

Ion 61.00 (60.70 to 61.70): VU026694.D (-1362) (-)

Ion 87.00 (86.70 to 87.70): VU026694.D (-1362) (-)



#44

Trichloroethene

Concen: 19.43 ug/l

RT: 6.19 min Scan# 1560

Delta R.T. -0.00 min

Lab File: VU026694.D

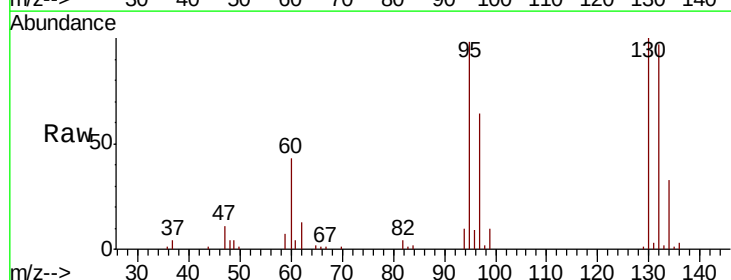
Acq: 12 Sep 2018 10:46

Tgt Ion:130 Resp: 34299

Ion Ratio Lower Upper

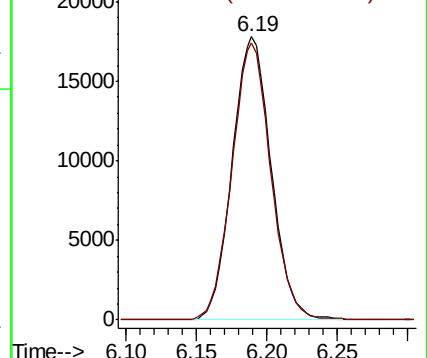
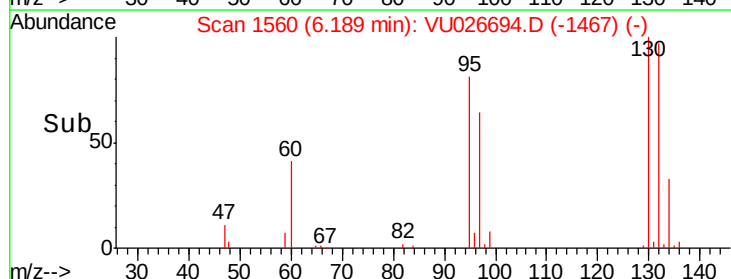
130 100

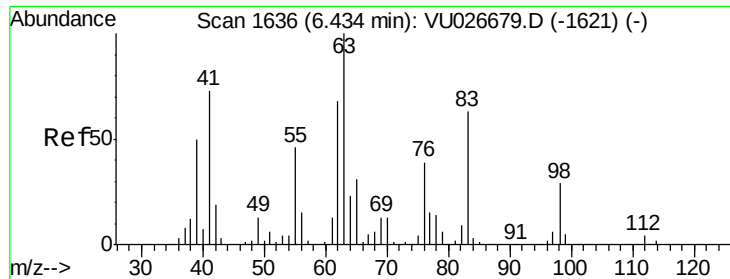
95 97.9 0.0 199.4



Abundance Ion 129.80 (129.50 to 130.50): VU026694.D (-1560) (-)

Ion 94.90 (94.60 to 95.60): VU026694.D (-1560) (-)

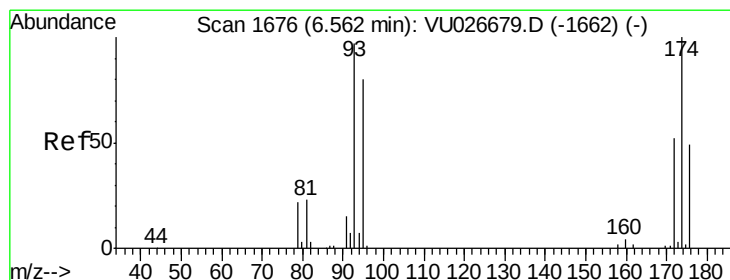
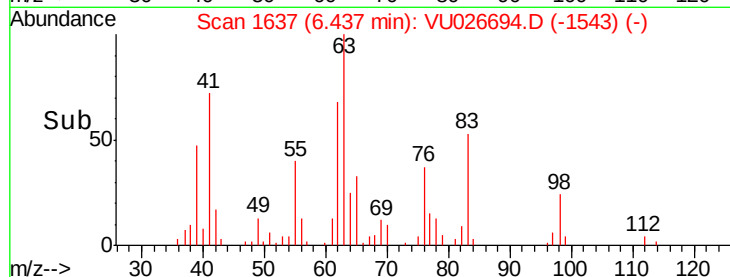
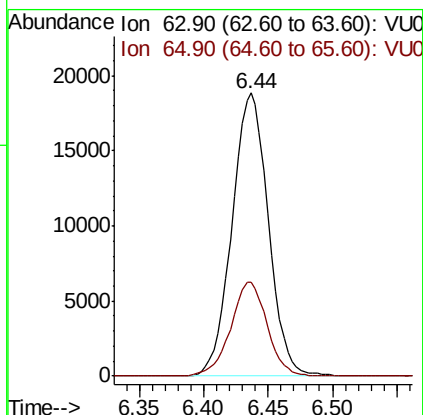
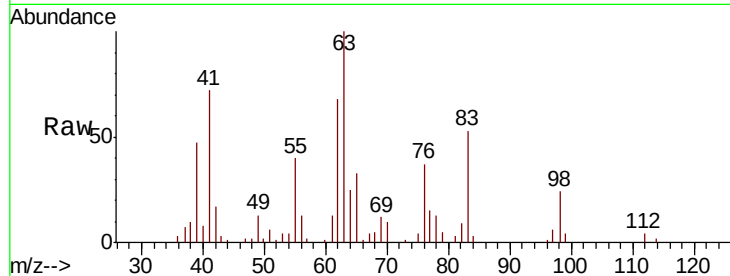




#45
 1,2-Dichloropropane
 Concen: 19.00 ug/l
 RT: 6.44 min Scan# 1637
 Delta R.T. 0.00 min
 Lab File: VU026694.D
 Acq: 12 Sep 2018 10:46

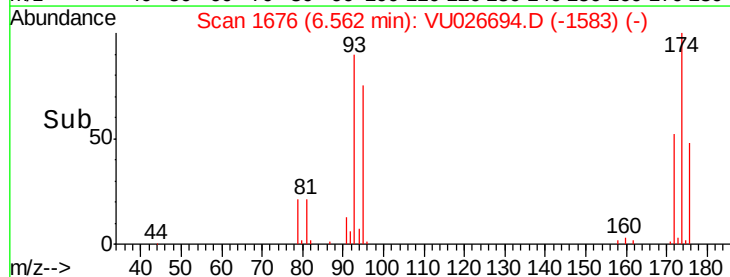
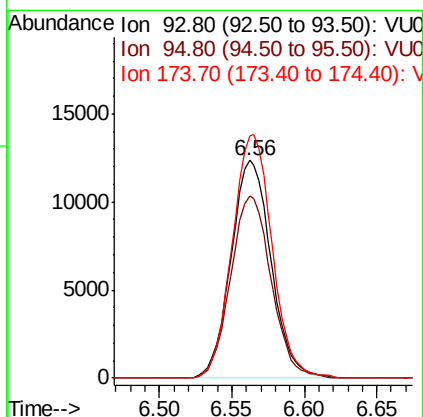
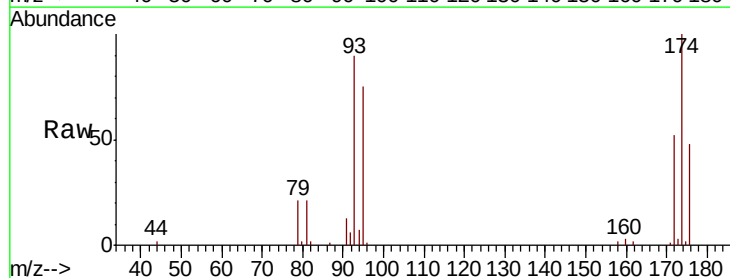
Instrument :
 MSVOA_U
 ClientSampleId :
 VU0912MBS02

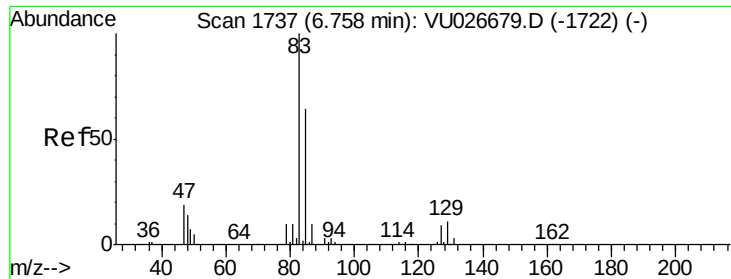
Tot Ion: 63 Resp: 36830
 Ion Ratio Lower Upper
 63 100
 65 33.1 25.0 37.4



#46
 Dibromomethane
 Concen: 18.92 ug/l
 RT: 6.56 min Scan# 1676
 Delta R.T. -0.00 min
 Lab File: VU026694.D
 Acq: 12 Sep 2018 10:46

Tgt Ion: 93 Resp: 23669
 Ion Ratio Lower Upper
 93 100
 95 84.6 65.4 98.2
 174 111.0 81.6 122.4

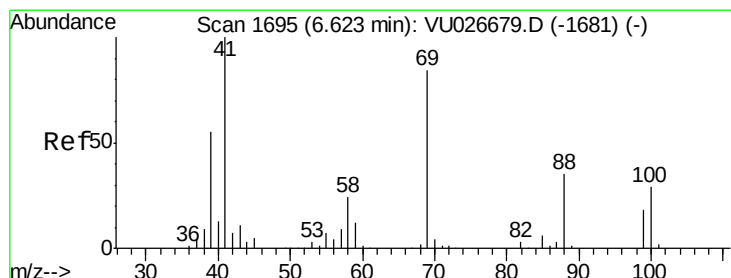
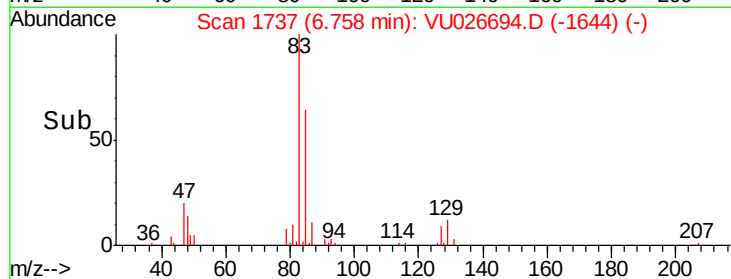
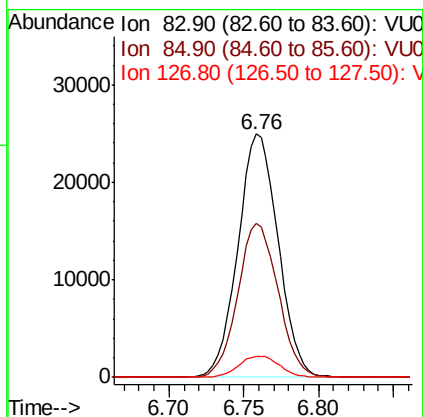
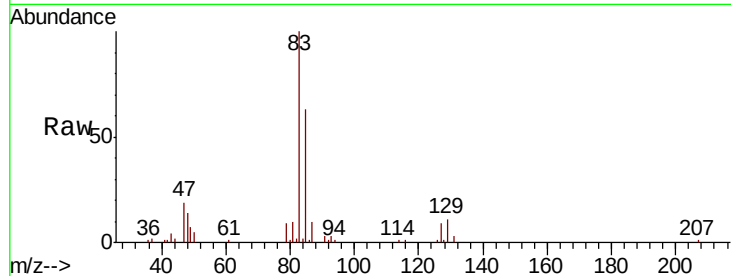




#47
 Bromodichloromethane
 Concen: 18.89 ug/l
 RT: 6.76 min Scan# 1737
 Delta R.T. -0.00 min
 Lab File: VU026694.D
 Acq: 12 Sep 2018 10:46

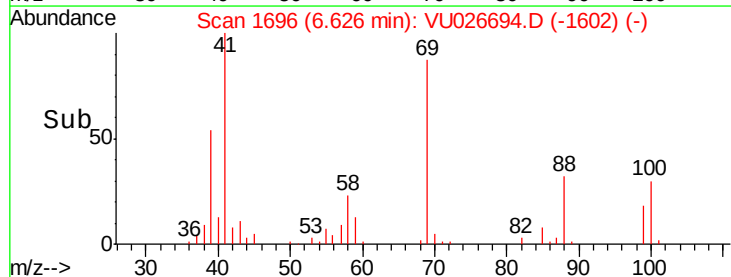
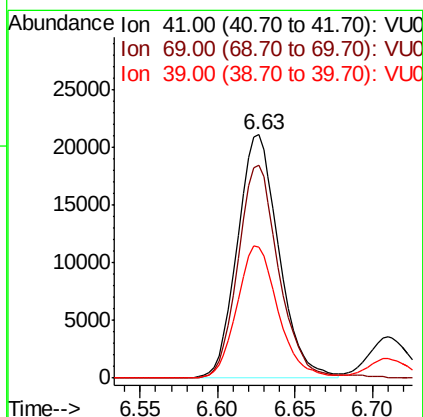
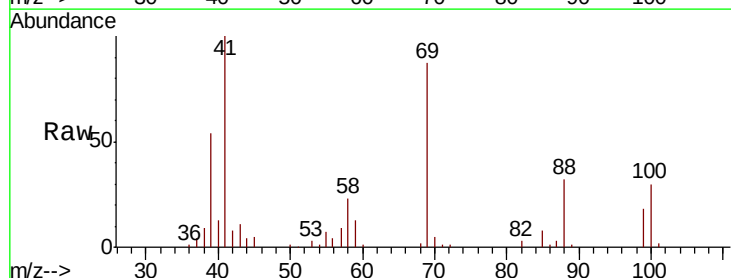
Instrument :
 MSVOA_U
 ClientSampleId :
 VU0912MBS02

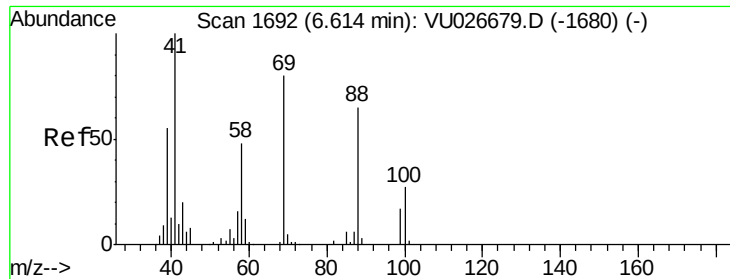
Tot Ion: 83 Resp: 46538
 Ion Ratio Lower Upper
 83 100
 85 63.5 51.1 76.7
 127 8.7 6.9 10.3



#48
 Methyl methacrylate
 Concen: 18.28 ug/l
 RT: 6.63 min Scan# 1696
 Delta R.T. 0.00 min
 Lab File: VU026694.D
 Acq: 12 Sep 2018 10:46

Tgt Ion: 41 Resp: 39269
 Ion Ratio Lower Upper
 41 100
 69 85.6 66.6 99.8
 39 53.9 43.6 65.4

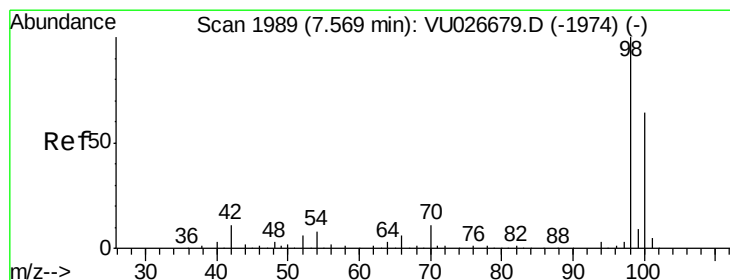
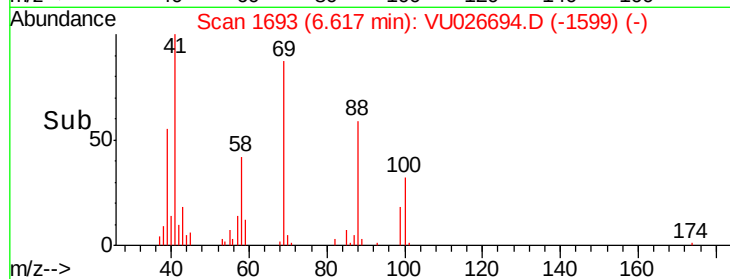
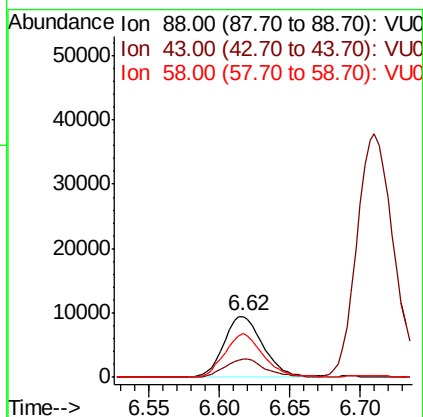
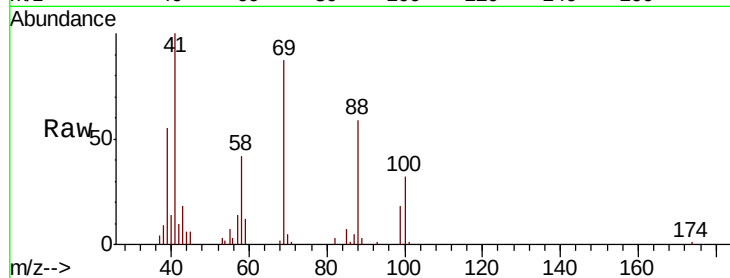




#49
1,4-Dioxane
Concen: 371.01 ug/l
RT: 6.62 min Scan# 1693
Delta R.T. 0.00 min
Lab File: VU026694.D
Acq: 12 Sep 2018 10:46

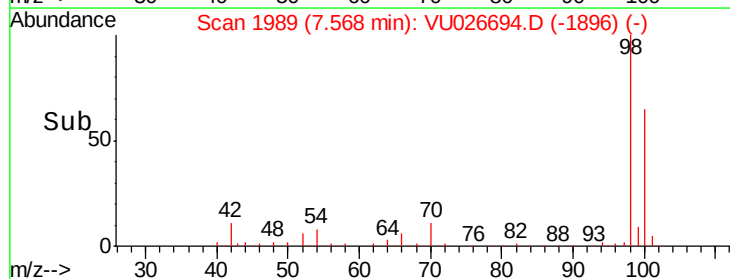
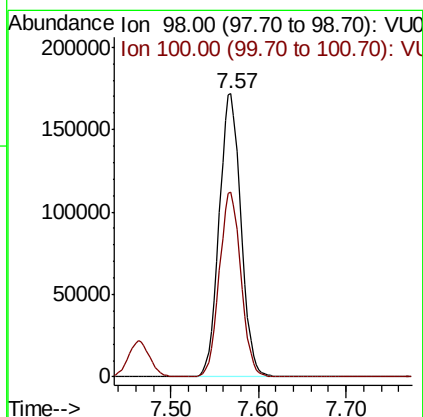
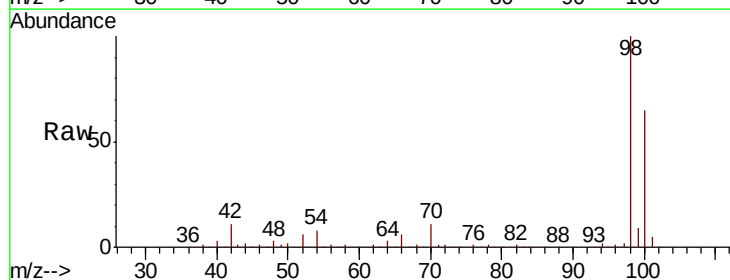
Instrument :
MSVOA_U
ClientSampleId :
VU0912MBS02

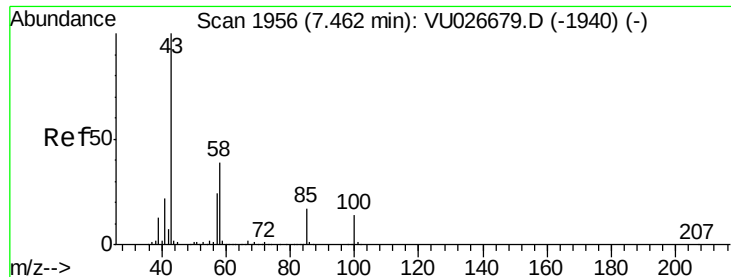
Tot Ion: 88 Resp: 18527
Ion Ratio Lower Upper
88 100
43 31.3 25.5 38.3
58 70.1 58.2 87.4



#50
Toluene-d8
Concen: 48.01 ug/l
RT: 7.57 min Scan# 1989
Delta R.T. -0.00 min
Lab File: VU026694.D
Acq: 12 Sep 2018 10:46

Tgt Ion: 98 Resp: 296309
Ion Ratio Lower Upper
98 100
100 64.5 51.2 76.8

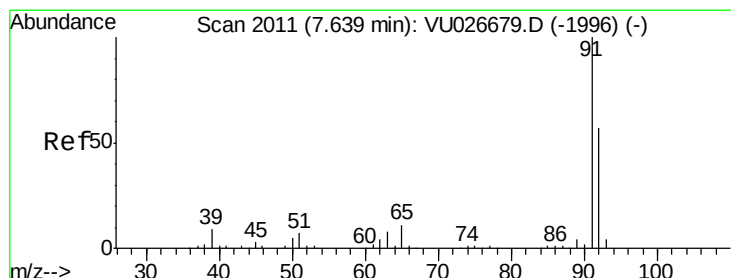
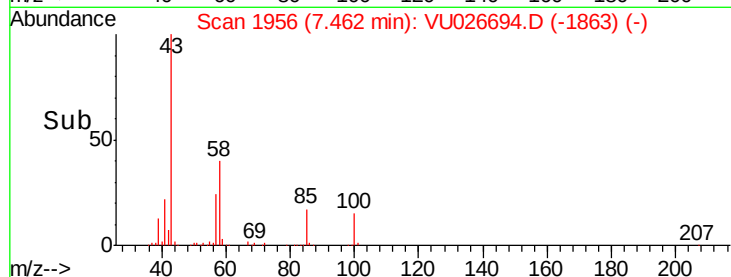
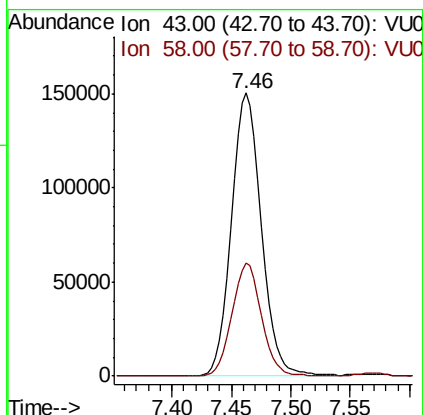
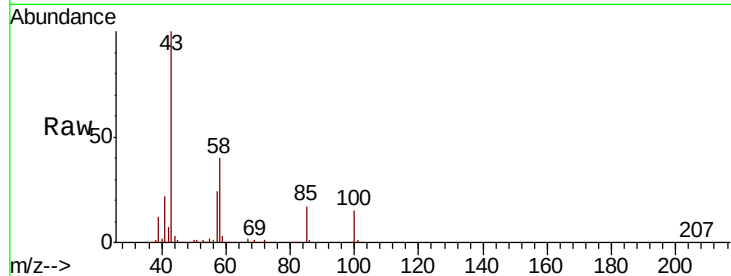




#51
 4-Methyl-2-Pentanone
 Concen: 93.21 ug/l
 RT: 7.46 min Scan# 1956
 Delta R.T. -0.00 min
 Lab File: VU026694.D
 Acq: 12 Sep 2018 10:46

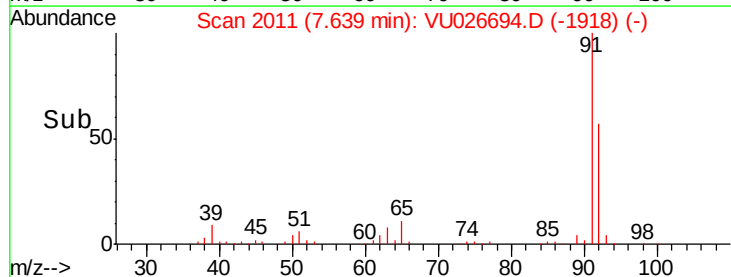
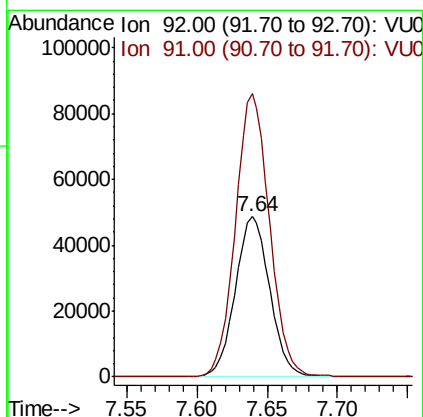
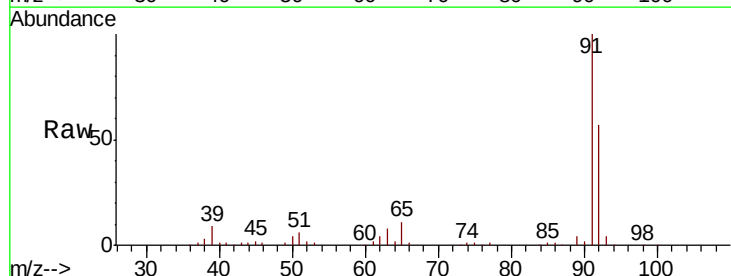
Instrument :
 MSVOA_U
 ClientSampleId :
 VU0912MBS02

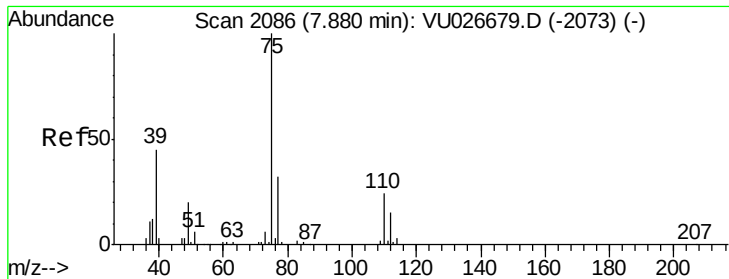
Tot Ion: 43 Resp: 262194
 Ion Ratio Lower Upper
 43 100
 58 39.4 31.1 46.7



#52
 Toluene
 Concen: 19.64 ug/l
 RT: 7.64 min Scan# 2011
 Delta R.T. -0.00 min
 Lab File: VU026694.D
 Acq: 12 Sep 2018 10:46

Tgt Ion: 92 Resp: 83443
 Ion Ratio Lower Upper
 92 100
 91 175.3 141.1 211.7





#53

t-1,3-Dichloropropene

Concen: 18.86 ug/l

RT: 7.88 min Scan# 2087

Delta R.T. 0.00 min

Lab File: VU026694.D

Acq: 12 Sep 2018 10:46

Instrument :

MSVOA_U

ClientSampleId :

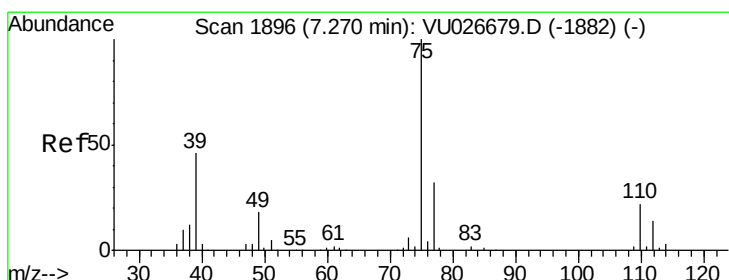
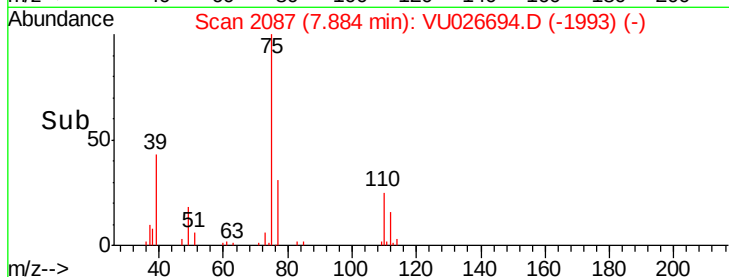
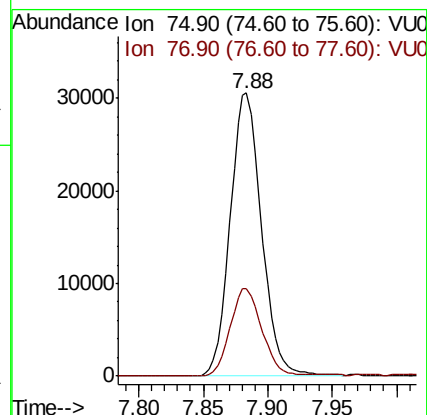
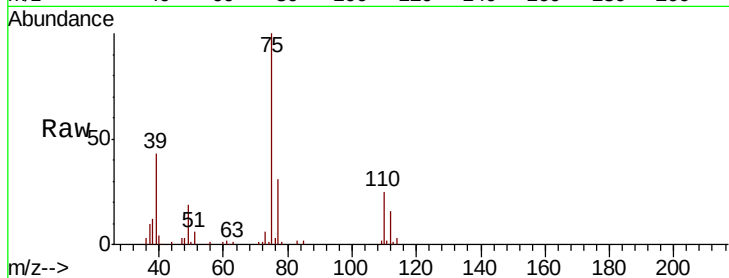
VU0912MBS02

Tot Ion: 75 Resp: 51551

Ion Ratio Lower Upper

75 100

77 30.9 25.2 37.8



#54

cis-1,3-Dichloropropene

Concen: 18.99 ug/l

RT: 7.27 min Scan# 1897

Delta R.T. 0.00 min

Lab File: VU026694.D

Acq: 12 Sep 2018 10:46

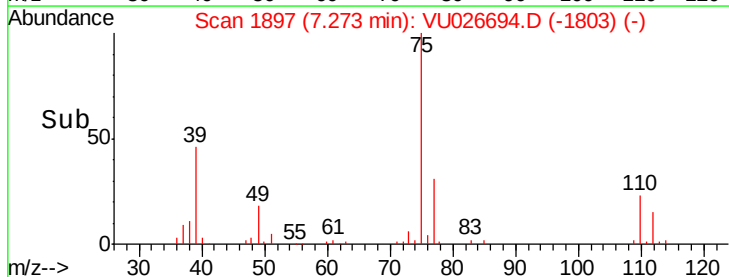
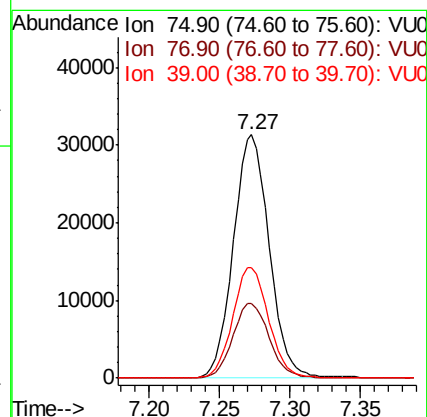
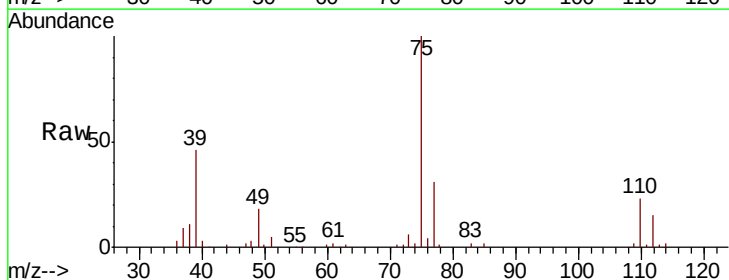
Tgt Ion: 75 Resp: 55739

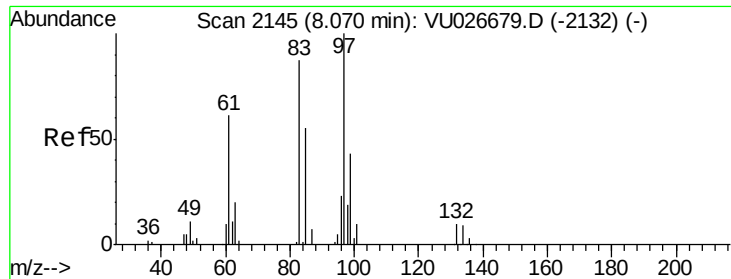
Ion Ratio Lower Upper

75 100

77 30.7 25.5 38.3

39 45.5 37.0 55.6

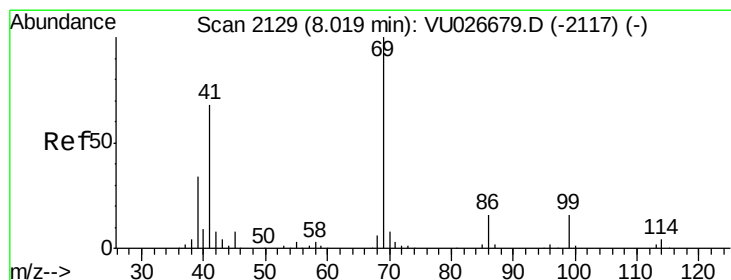
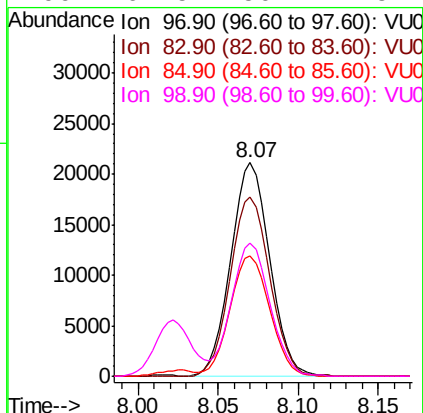
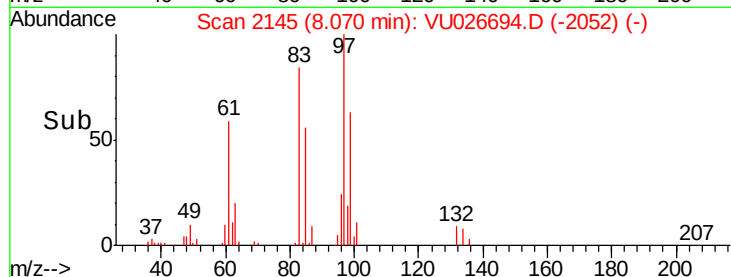
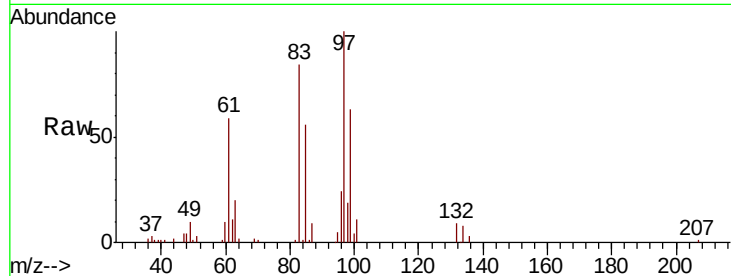




#55
 1,1,2-Trichloroethane
 Concen: 19.26 ug/l
 RT: 8.07 min Scan# 2145
 Delta R.T. -0.00 min
 Lab File: VU026694.D
 Acq: 12 Sep 2018 10:46

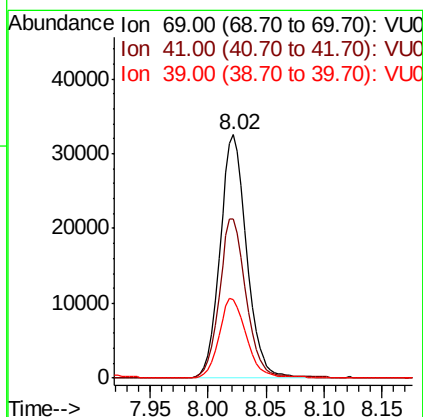
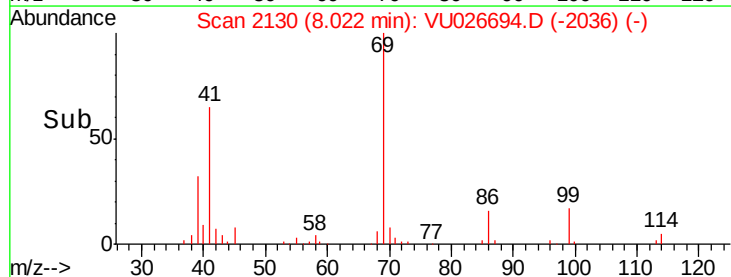
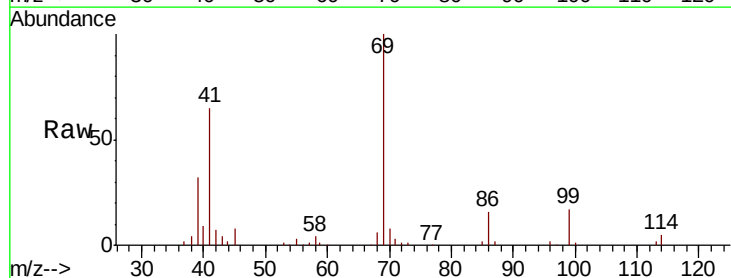
Instrument :
 MSVOA_U
 ClientSampleId :
 VU0912MBS02

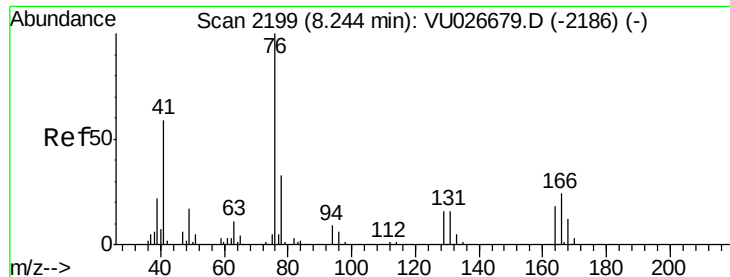
Tot Ion: 97 Resp: 35065
 Ion Ratio Lower Upper
 97 100
 83 83.8 69.3 103.9
 85 56.2 45.9 68.9
 99 62.5 50.1 75.1



#56
 Ethyl methacrylate
 Concen: 18.88 ug/l
 RT: 8.02 min Scan# 2130
 Delta R.T. 0.00 min
 Lab File: VU026694.D
 Acq: 12 Sep 2018 10:46

Tgt Ion: 69 Resp: 52120
 Ion Ratio Lower Upper
 69 100
 41 66.1 54.2 81.2
 39 33.9 28.4 42.6





#57

1,3-Dichloropropane

Concen: 19.33 ug/l

RT: 8.24 min Scan# 2199

Delta R.T. -0.00 min

Lab File: VU026694.D

Acq: 12 Sep 2018 10:46

Instrument :

MSVOA_U

ClientSampleId :

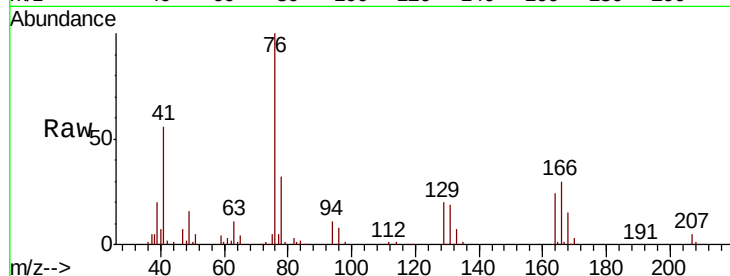
VU0912MBS02

Tot Ion: 76 Resp: 59966

Ion Ratio Lower Upper

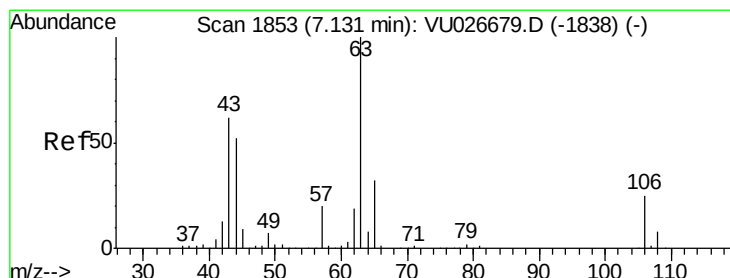
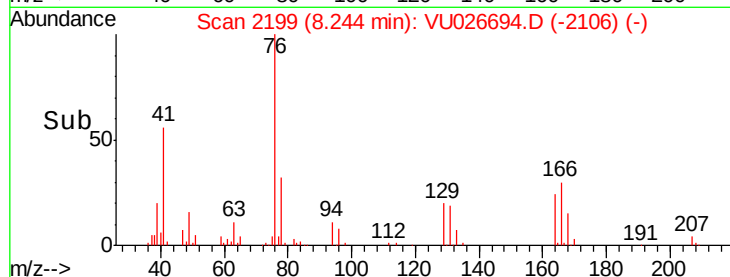
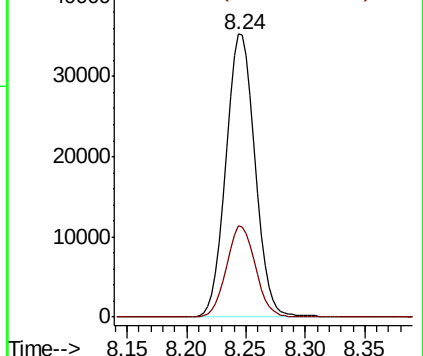
76 100

78 32.0 26.0 39.0



Abundance Ion 75.90 (75.60 to 76.60): VU0

Ion 77.90 (77.60 to 78.60): VU0



#58

2-Chloroethyl Vinyl ether

Concen: 94.46 ug/l

RT: 7.13 min Scan# 1853

Delta R.T. 0.00 min

Lab File: VU026694.D

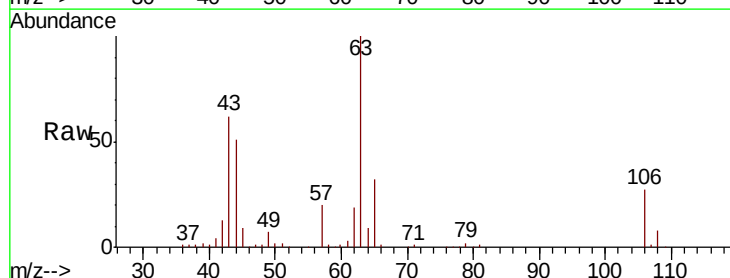
Acq: 12 Sep 2018 10:46

Tgt Ion: 63 Resp: 129539

Ion Ratio Lower Upper

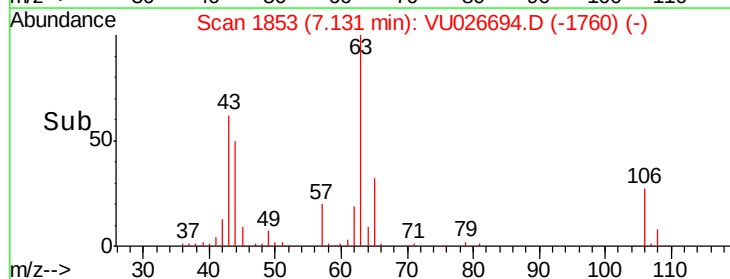
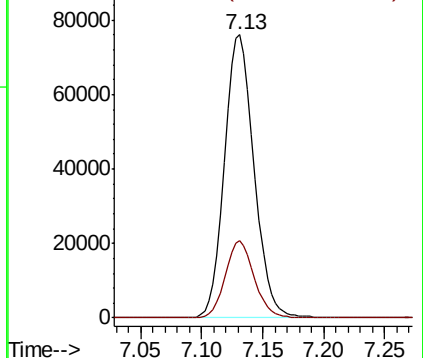
63 100

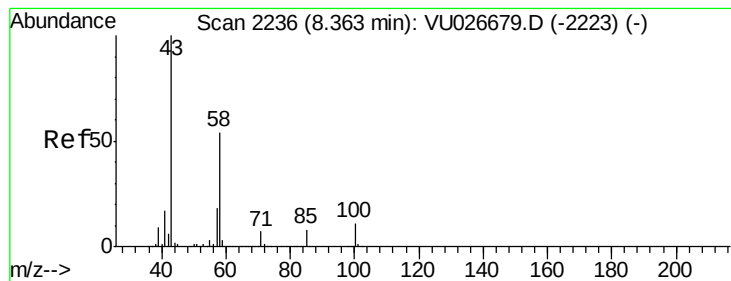
106 26.5 20.5 30.7



Abundance Ion 62.90 (62.60 to 63.60): VU0

Ion 105.90 (105.60 to 106.60): V





#59

2-Hexanone

Concen: 90.55 ug/l

RT: 8.36 min Scan# 2236

Delta R.T. -0.00 min

Lab File: VU026694.D

Acq: 12 Sep 2018 10:46

Instrument :

MSVOA_U

ClientSampleId :

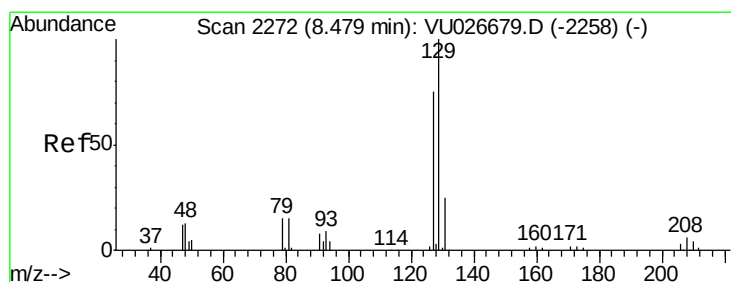
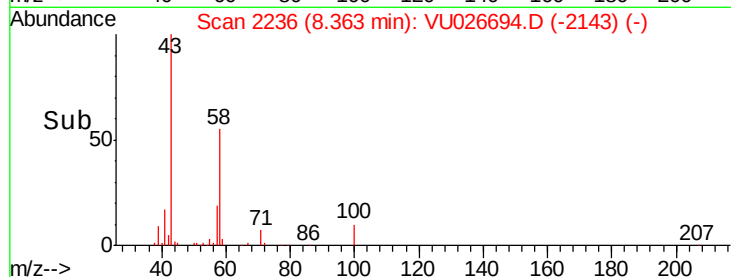
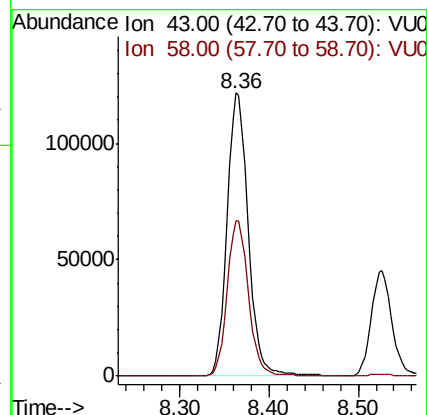
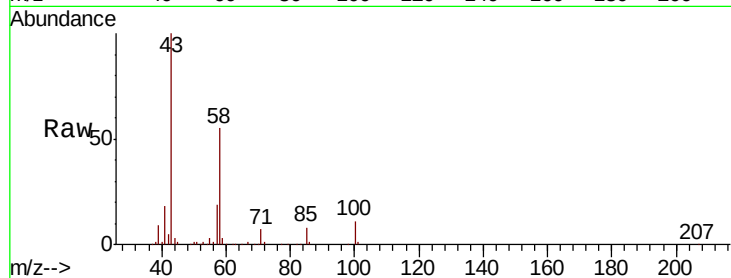
VU0912MBS02

Tot Ion: 43 Resp: 200453

Ion Ratio Lower Upper

43 100

58 55.2 26.9 80.7



#60

Dibromochloromethane

Concen: 18.86 ug/l

RT: 8.48 min Scan# 2272

Delta R.T. -0.00 min

Lab File: VU026694.D

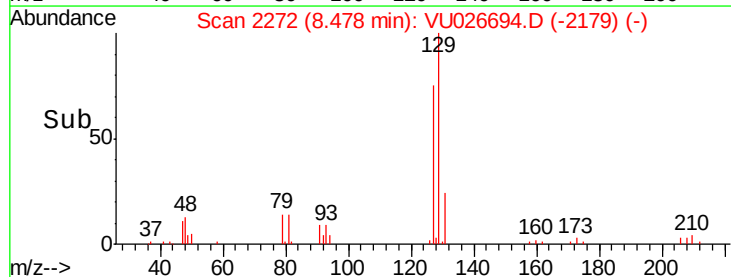
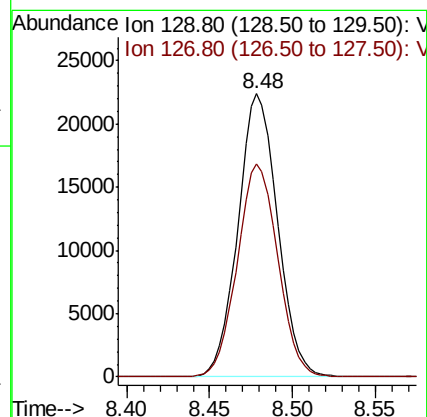
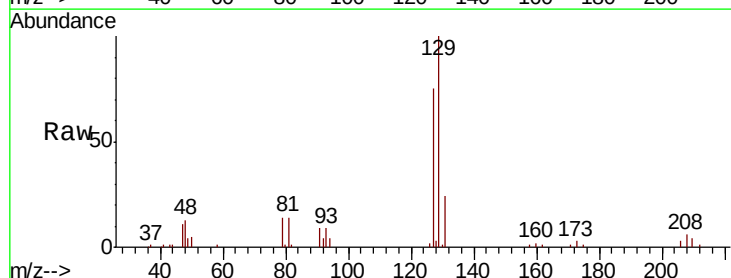
Acq: 12 Sep 2018 10:46

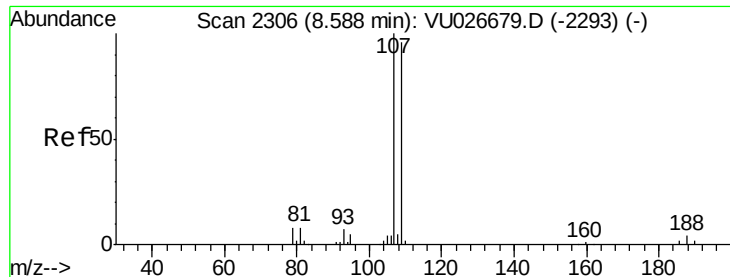
Tgt Ion: 129 Resp: 37189

Ion Ratio Lower Upper

129 100

127 77.0 38.3 114.9





#61

1,2-Dibromoethane

Concen: 19.05 ug/l

RT: 8.59 min Scan# 2306

Delta R.T. -0.00 min

Lab File: VU026694.D

Acq: 12 Sep 2018 10:46

Instrument :

MSVOA_U

ClientSampleId :

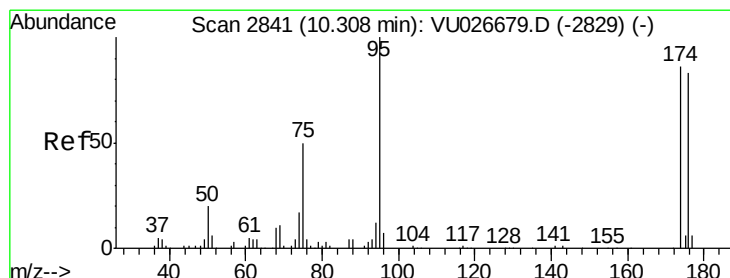
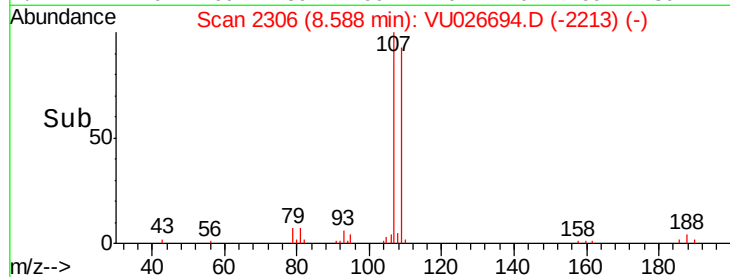
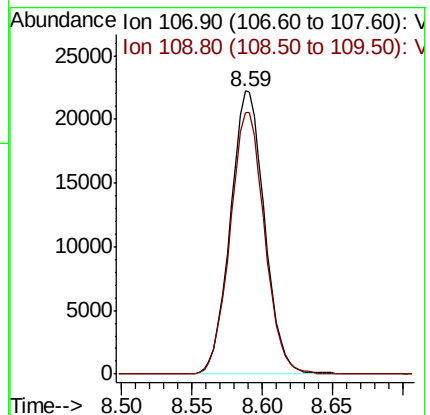
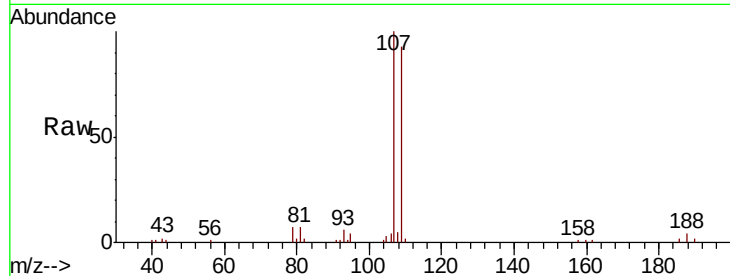
VU0912MBS02

Tot Ion:107 Resp: 37625

Ion Ratio Lower Upper

107 100

109 93.3 75.7 113.5



#62

4-Bromofluorobenzene

Concen: 47.66 ug/l

RT: 10.31 min Scan# 2841

Delta R.T. -0.00 min

Lab File: VU026694.D

Acq: 12 Sep 2018 10:46

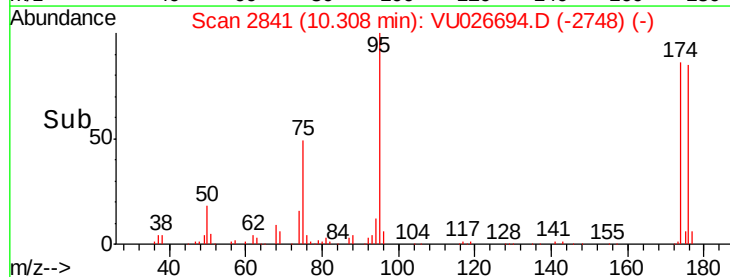
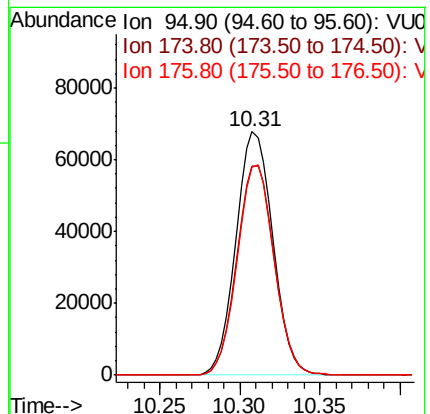
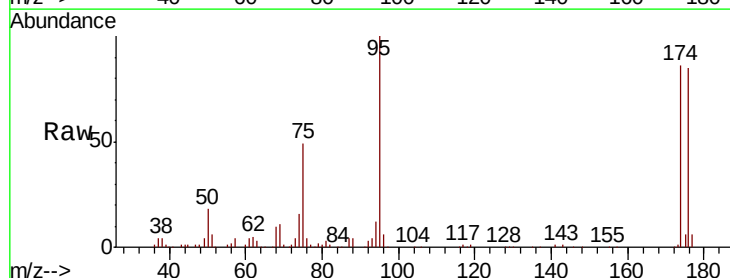
Tgt Ion: 95 Resp: 106594

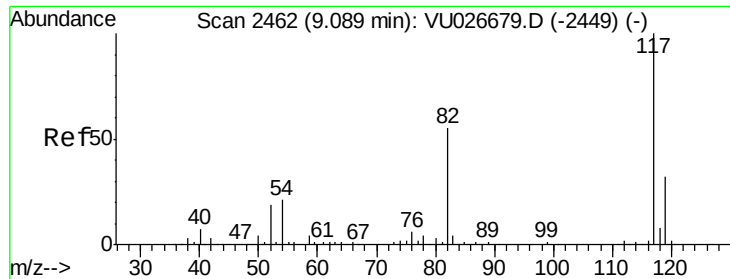
Ion Ratio Lower Upper

95 100

174 86.9 0.0 172.8

176 86.0 0.0 168.6

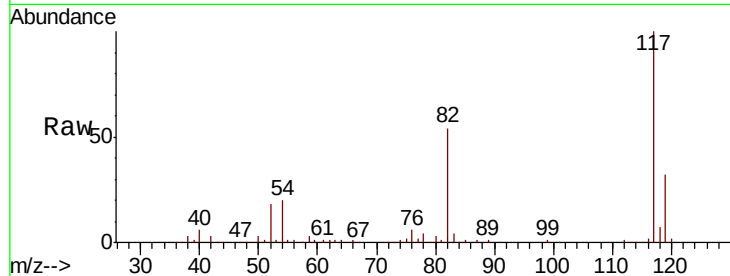




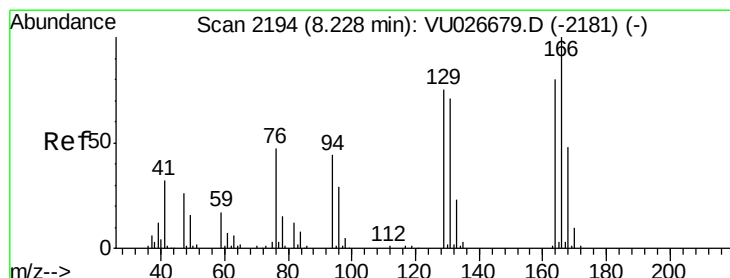
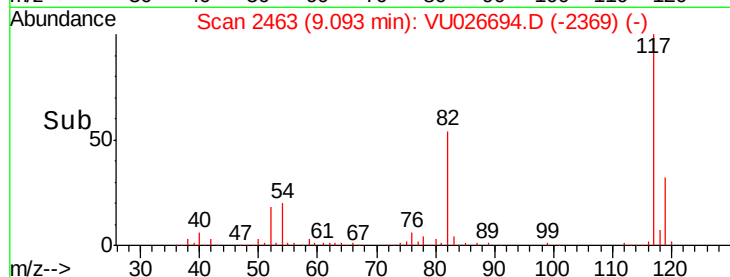
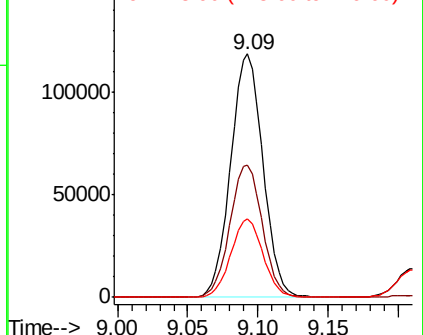
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 9.09 min Scan# 2463
Delta R.T. 0.00 min
Lab File: VU026694.D
Acq: 12 Sep 2018 10:46

Instrument :
MSVOA_U
ClientSampleId :
VU0912MBS02

Tot Ion:117 Resp: 190821
Ion Ratio Lower Upper
117 100
82 54.3 44.1 66.1
119 32.2 25.7 38.5

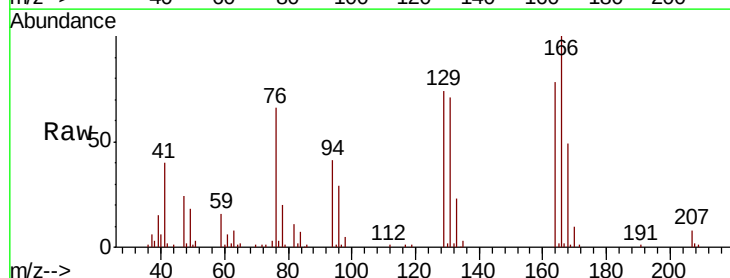


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VU0
Ion 118.90 (118.60 to 119.60): V

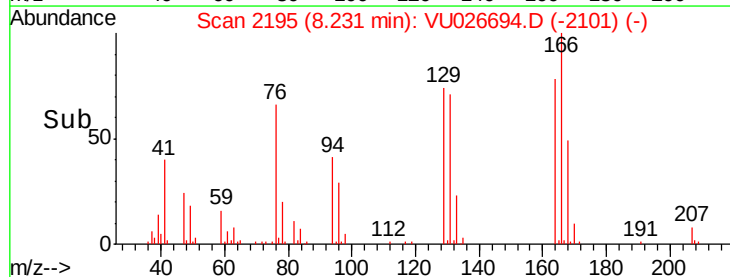
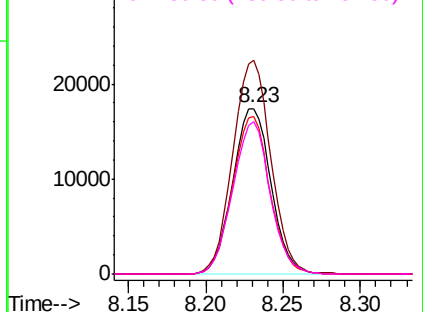


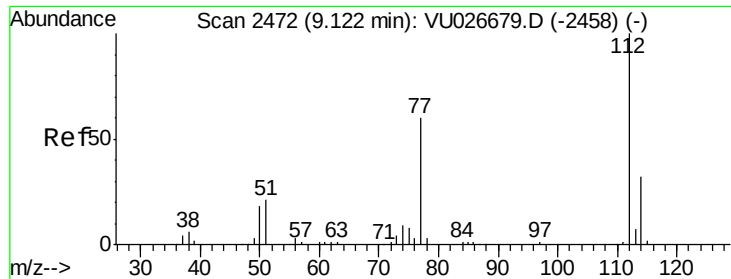
#64
Tetrachloroethene
Concen: 19.76 ug/l
RT: 8.23 min Scan# 2195
Delta R.T. 0.00 min
Lab File: VU026694.D
Acq: 12 Sep 2018 10:46

Tgt Ion:164 Resp: 30009
Ion Ratio Lower Upper
164 100
166 128.8 100.5 150.7
129 95.0 75.3 112.9
131 91.6 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

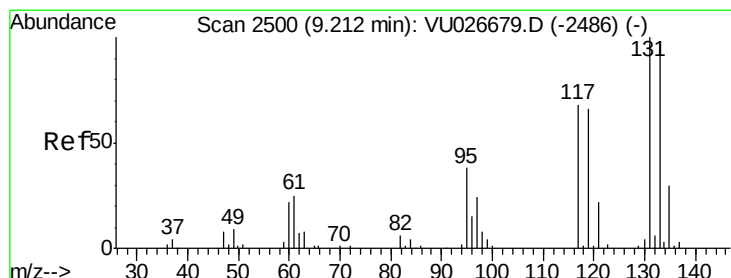
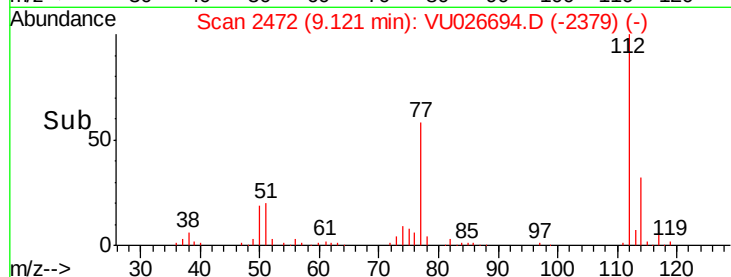
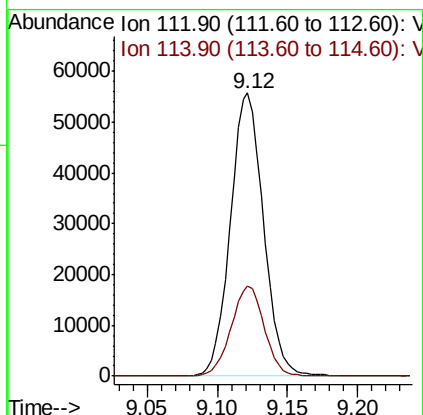
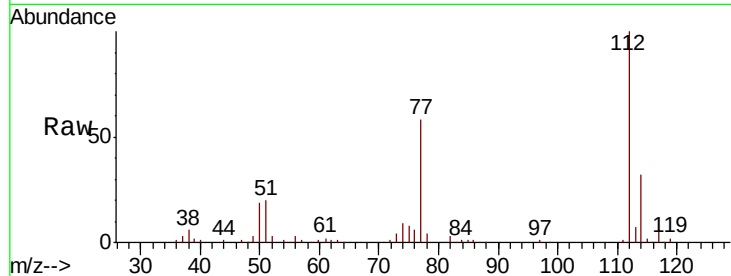




#65
Chlorobenzene
Concen: 19.36 ug/l
RT: 9.12 min Scan# 2472
Delta R.T. -0.00 min
Lab File: VU026694.D
Acq: 12 Sep 2018 10:46

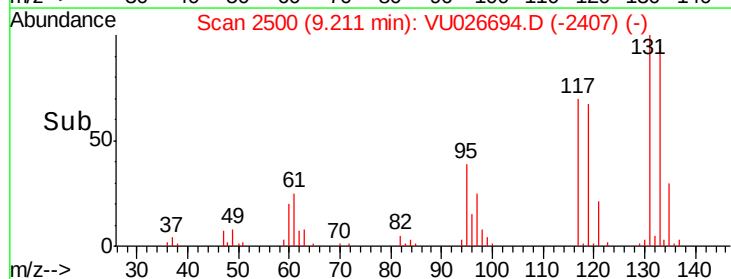
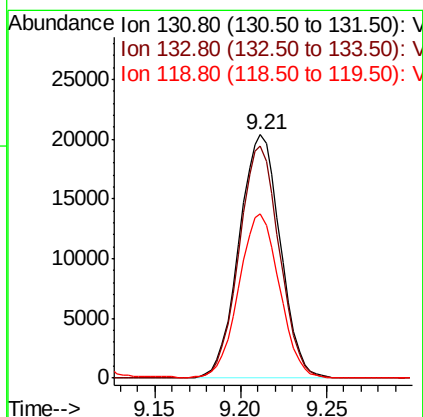
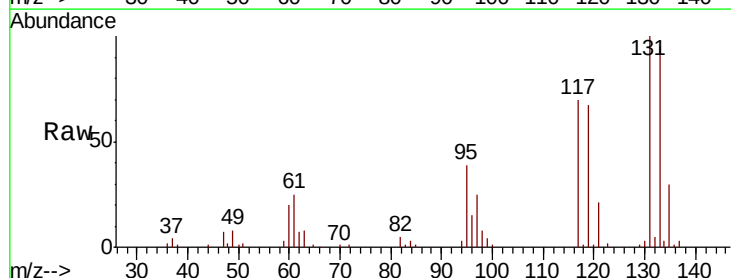
Instrument :
MSVOA_U
ClientSampleId :
VU0912MBS02

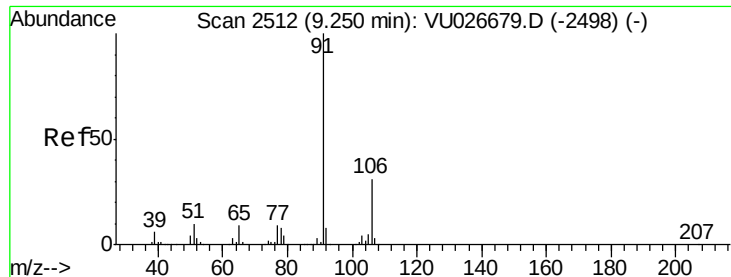
Tot Ion:112 Resp: 91759
Ion Ratio Lower Upper
112 100
114 31.8 25.5 38.3



#66
1,1,1,2-Tetrachloroethane
Concen: 19.44 ug/l
RT: 9.21 min Scan# 2500
Delta R.T. -0.00 min
Lab File: VU026694.D
Acq: 12 Sep 2018 10:46

Tgt Ion:131 Resp: 33904
Ion Ratio Lower Upper
131 100
133 93.4 48.9 146.6
119 66.7 32.7 98.1





#67

Ethyl Benzene

Concen: 19.85 ug/l

RT: 9.25 min Scan# 2513

Delta R.T. 0.00 min

Lab File: VU026694.D

Acq: 12 Sep 2018 10:46

Instrument :

MSVOA_U

ClientSampleId :

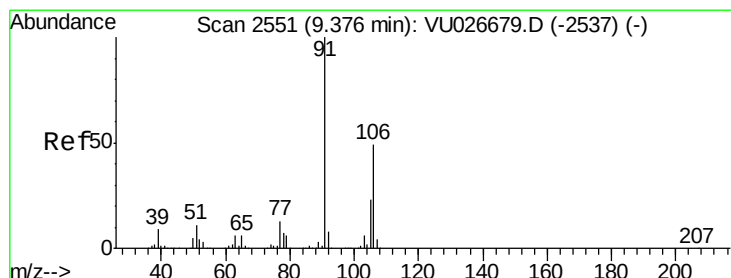
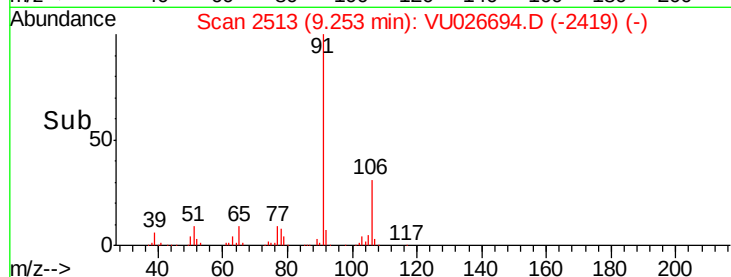
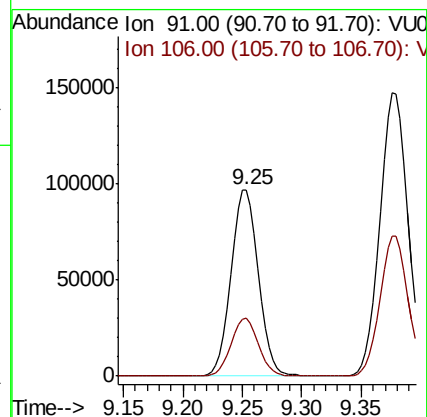
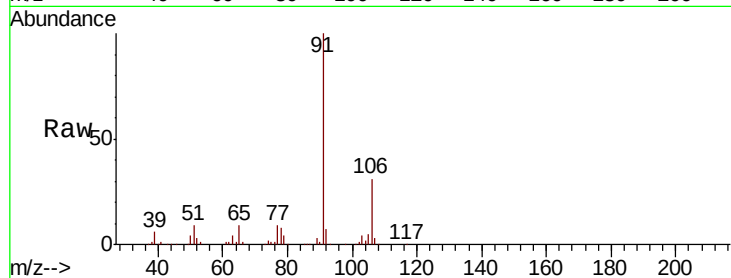
VU0912MBS02

Tot Ion: 91 Resp: 155001

Ion Ratio Lower Upper

91 100

106 30.9 25.0 37.4



#68

m/p-Xylenes

Concen: 40.31 ug/l

RT: 9.38 min Scan# 2551

Delta R.T. -0.00 min

Lab File: VU026694.D

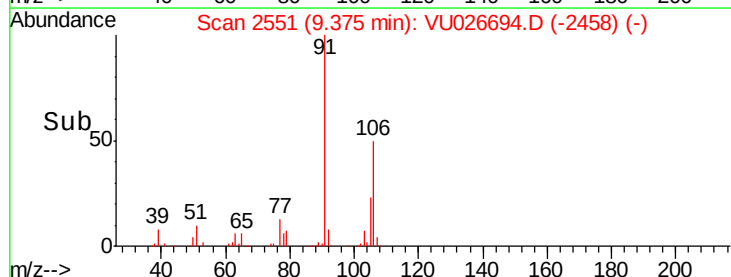
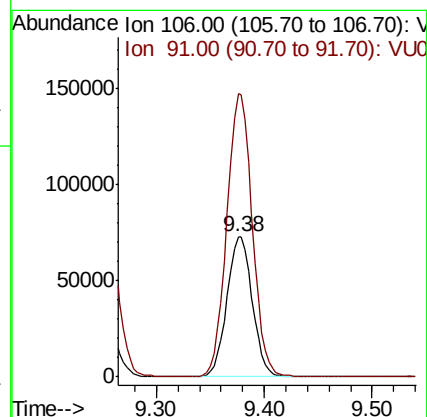
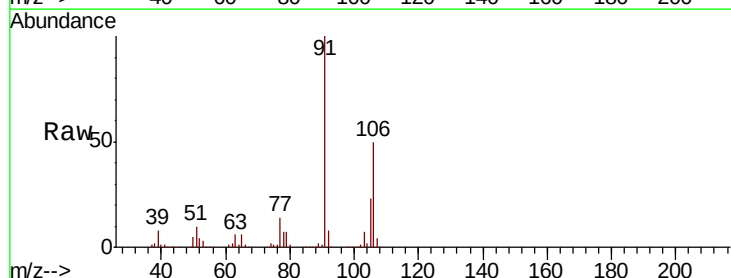
Acq: 12 Sep 2018 10:46

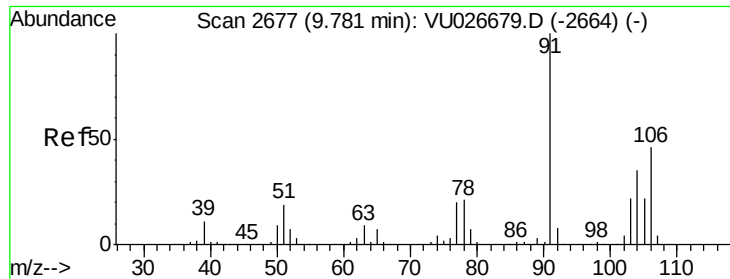
Tgt Ion: 106 Resp: 119742

Ion Ratio Lower Upper

106 100

91 202.0 162.1 243.1

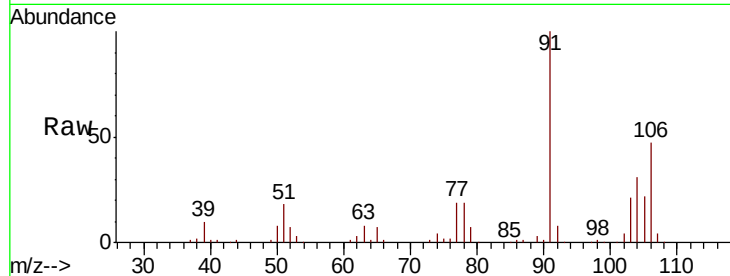




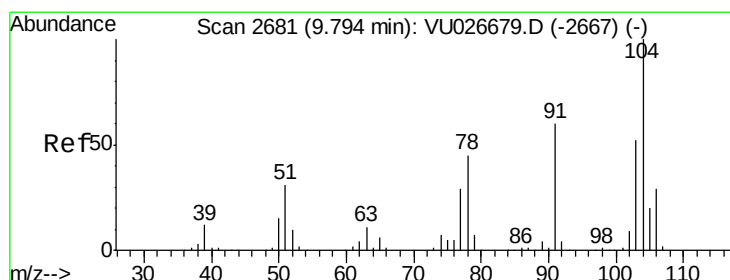
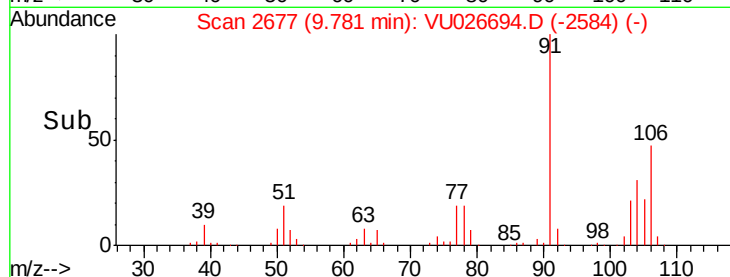
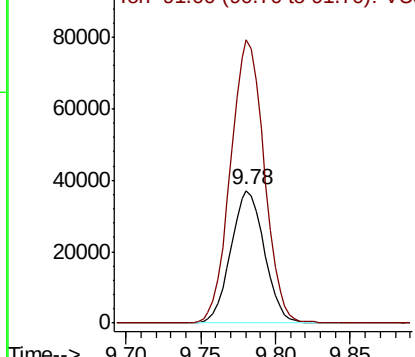
#69
o-Xylene
Concen: 19.06 ug/l
RT: 9.78 min Scan# 2677
Delta R.T. 0.00 min
Lab File: VU026694.D
Acq: 12 Sep 2018 10:46

Instrument :
MSVOA_U
ClientSampleId :
VU0912MBS02

Tot Ion:106 Resp: 58023
Ion Ratio Lower Upper
106 100
91 214.6 106.9 320.8

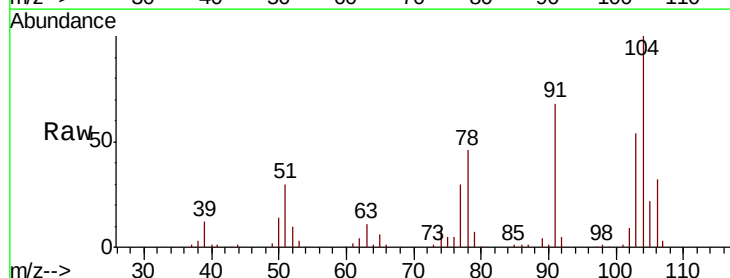


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VU0

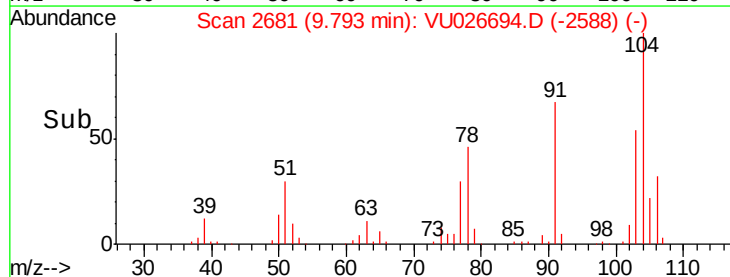
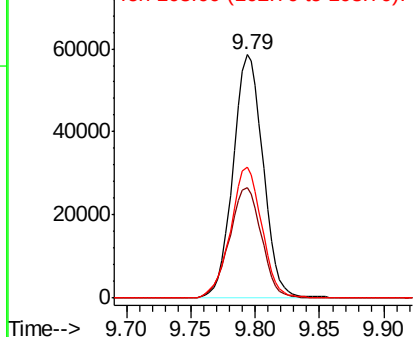


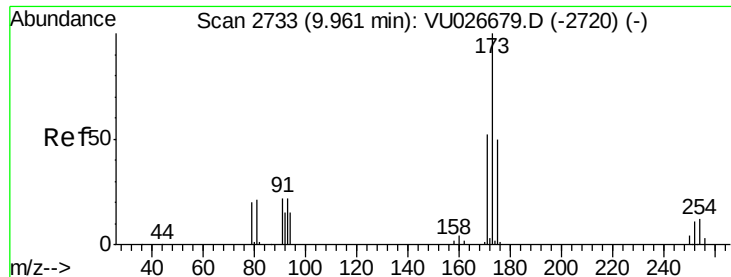
#70
Styrene
Concen: 18.95 ug/l
RT: 9.79 min Scan# 2681
Delta R.T. 0.00 min
Lab File: VU026694.D
Acq: 12 Sep 2018 10:46

Tgt Ion:104 Resp: 94890
Ion Ratio Lower Upper
104 100
78 48.9 39.4 59.2
103 56.0 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: 19.50 ug/l

RT: 9.96 min Scan# 2733

Delta R.T. -0.00 min

Lab File: VU026694.D

Acq: 12 Sep 2018 10:46

Instrument :

MSVOA_U

ClientSampleId :

VU0912MBS02

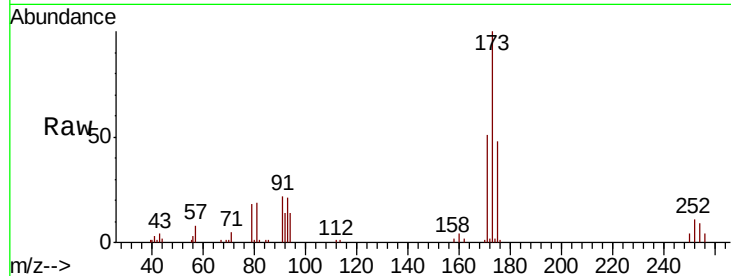
Tot Ion:173 Resp: 29576

Ion Ratio Lower Upper

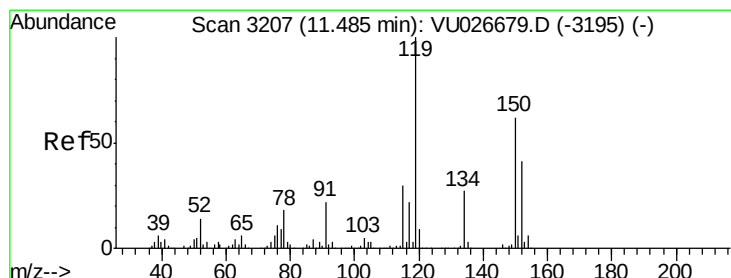
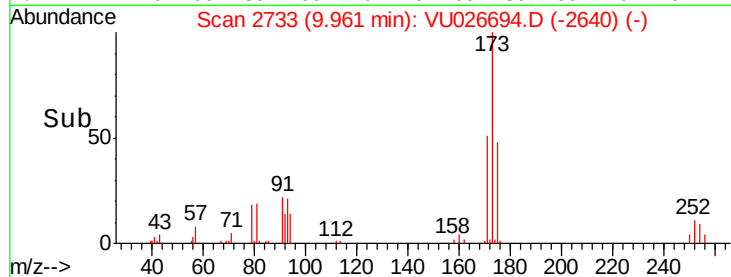
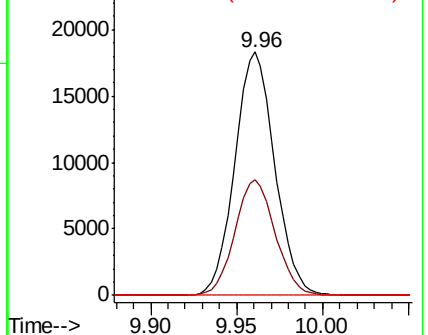
173 100

175 47.8 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: VU026694.D

Acq: 12 Sep 2018 10:46

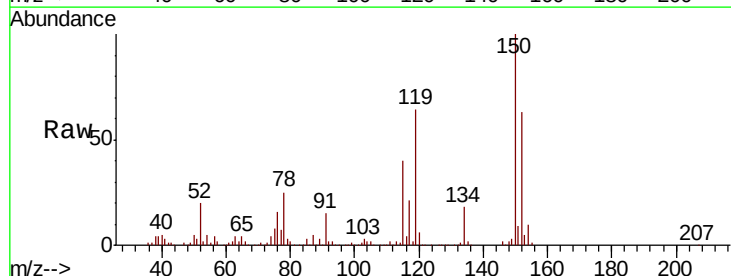
Tgt Ion:152 Resp: 109958

Ion Ratio Lower Upper

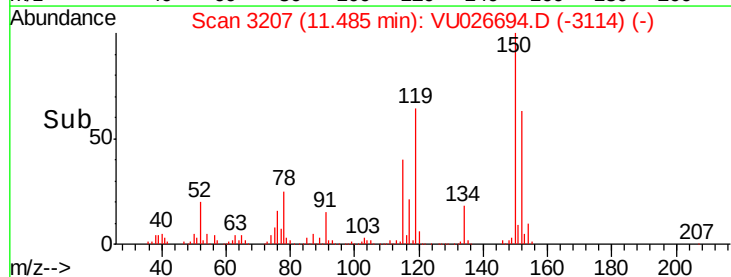
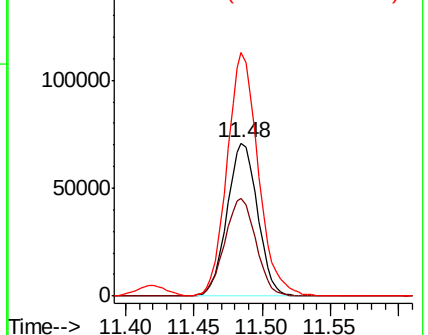
152 100

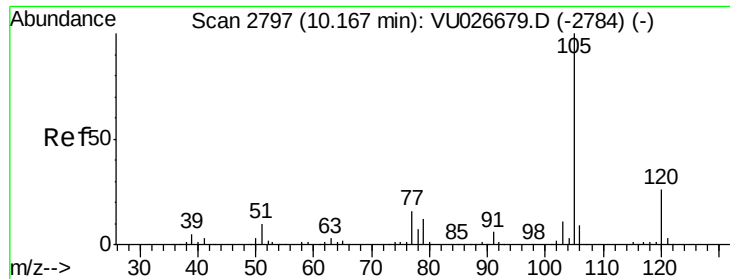
115 65.5 40.4 121.1

150 162.4 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: 21.07 ug/l

RT: 10.17 min Scan# 2798

Delta R.T. 0.00 min

Lab File: VU026694.D

Acq: 12 Sep 2018 10:46

Instrument :

MSVOA_U

ClientSampleId :

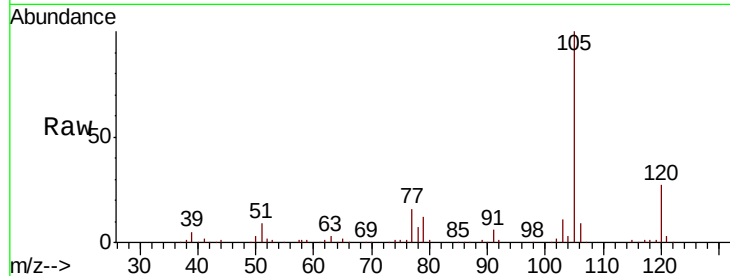
VU0912MBS02

Tot Ion:105 Resp: 157905

Ion Ratio Lower Upper

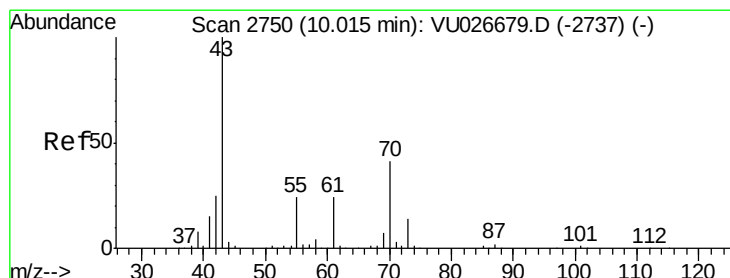
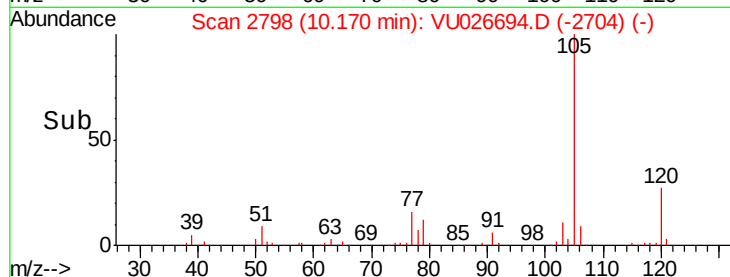
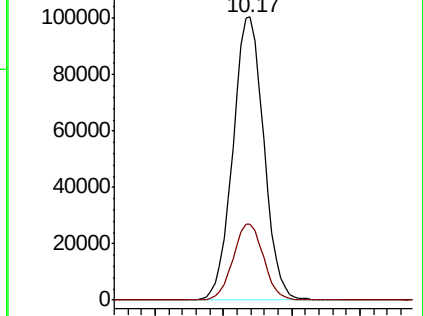
105 100

120 26.6 13.3 39.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 19.66 ug/l

RT: 10.02 min Scan# 2750

Delta R.T. -0.00 min

Lab File: VU026694.D

Acq: 12 Sep 2018 10:46

Tgt Ion: 43 Resp: 69557

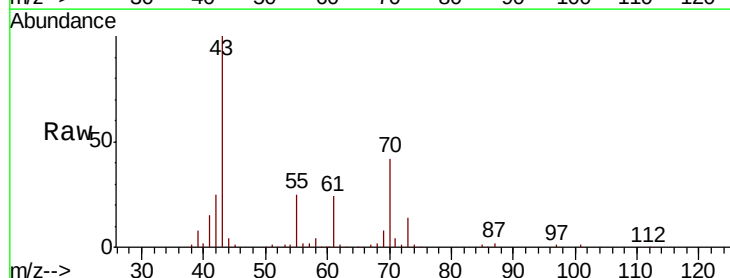
Ion Ratio Lower Upper

43 100

70 42.3 32.6 48.8

55 26.3 19.1 28.7

61 24.6 19.4 29.0

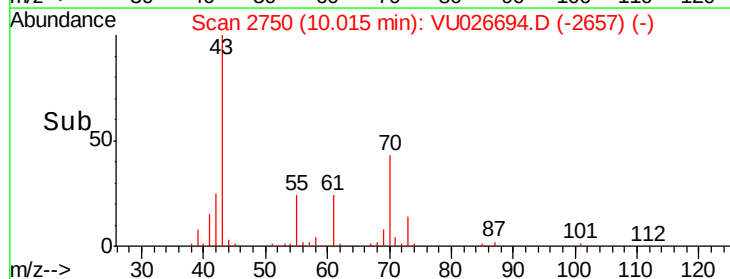
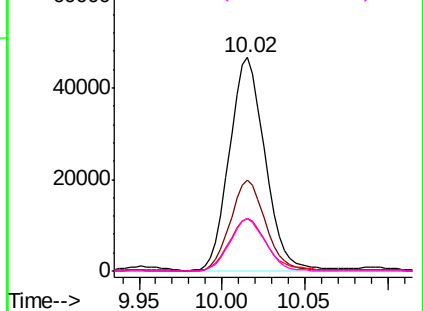


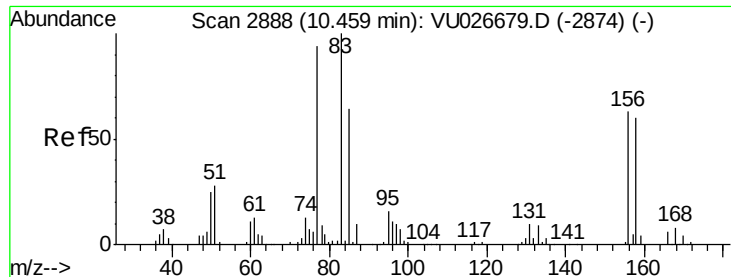
Abundance Ion 43.00 (42.70 to 43.70): VU0

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





#75

1,1,2,2-Tetrachloroethane

Concen: 19.17 ug/l

RT: 10.46 min Scan# 2888

Delta R.T. -0.00 min

Lab File: VU026694.D

Acq: 12 Sep 2018 10:46

Instrument :

MSVOA_U

ClientSampleId :

VU0912MBS02

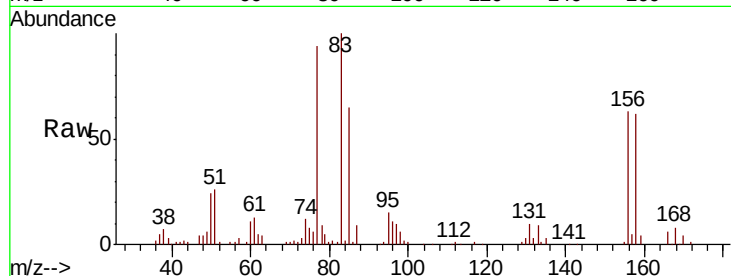
Tot Ion: 83 Resp: 58538

Ion Ratio Lower Upper

83 100

131 9.5 4.9 14.6

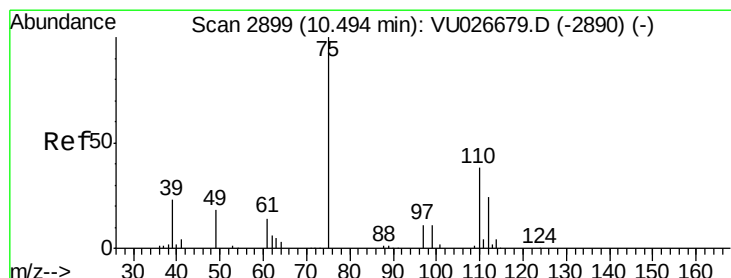
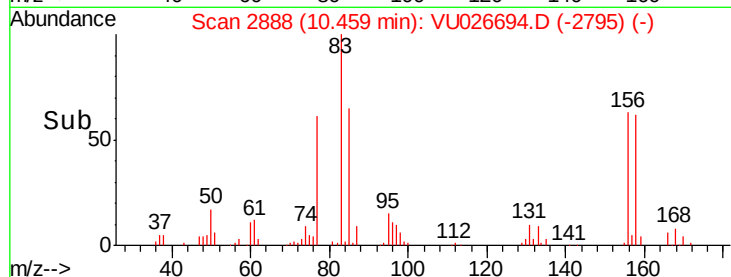
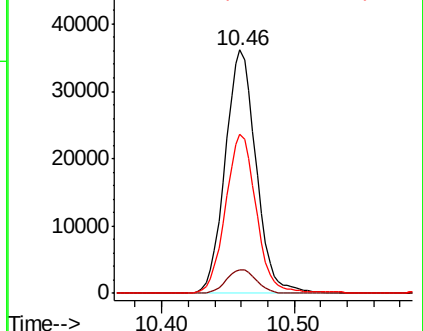
85 64.6 32.3 96.9



Abundance Ion 82.90 (82.60 to 83.60): VU0

Ion 130.80 (130.50 to 131.50): VU0

Ion 84.90 (84.60 to 85.60): VU0



#76

1,2,3-Trichloropropane

Concen: 26.47 ug/l

RT: 10.50 min Scan# 2900

Delta R.T. 0.00 min

Lab File: VU026694.D

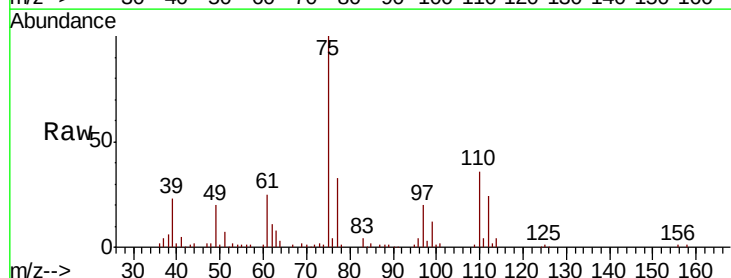
Acq: 12 Sep 2018 10:46

Tgt Ion: 75 Resp: 65192

Ion Ratio Lower Upper

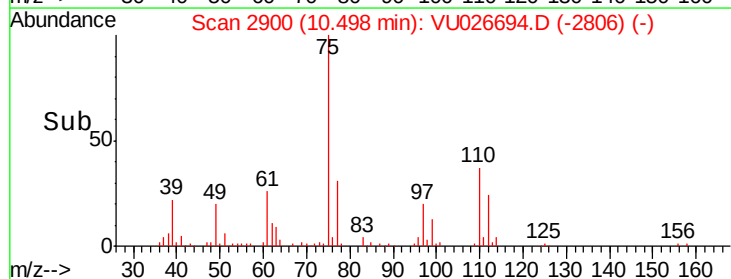
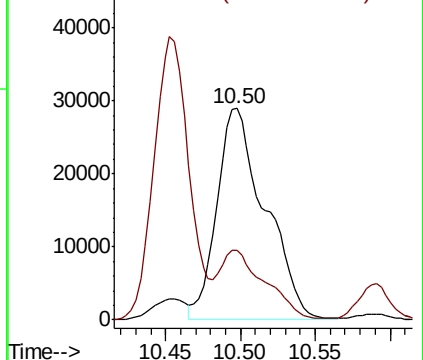
75 100

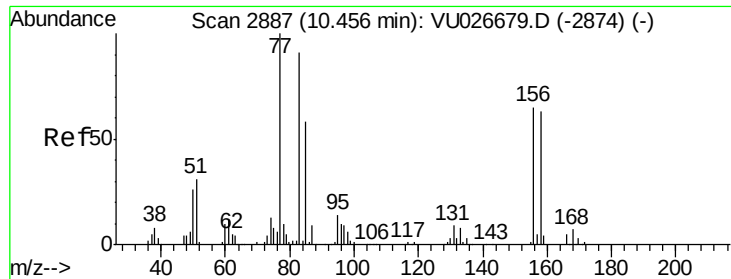
77 30.7 21.1 63.1



Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 77.00 (76.70 to 77.70): VU0





#77

Bromobenzene

Concen: 20.16 ug/l

RT: 10.45 min Scan# 2886

Delta R.T. -0.00 min

Lab File: VU026694.D

Acq: 12 Sep 2018 10:46

Instrument :

MSVOA_U

ClientSampleId :

VU0912MBS02

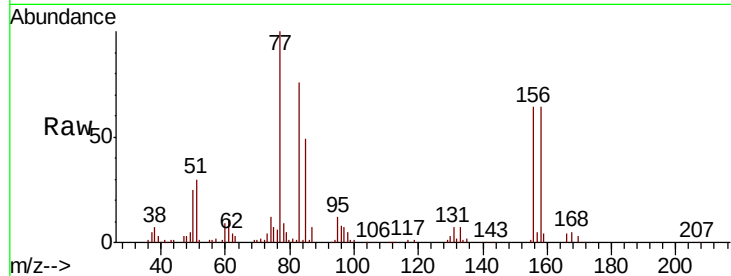
Tot Ion:156 Resp: 41053

Ion Ratio Lower Upper

156 100

77 155.2 77.6 232.9

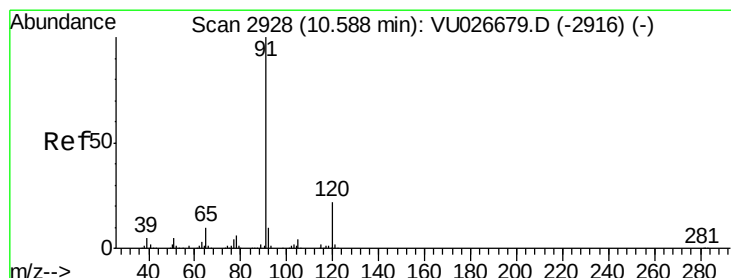
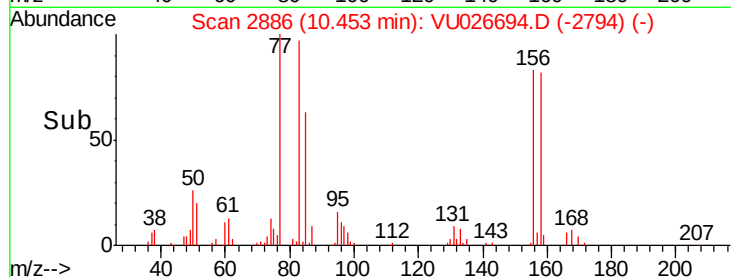
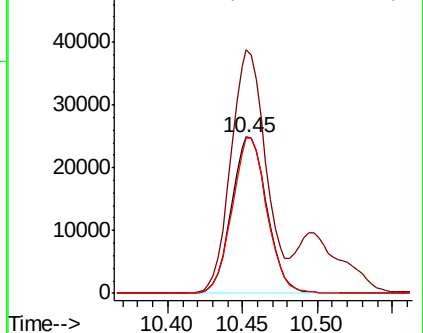
158 97.4 48.9 146.6



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: 20.89 ug/l

RT: 10.59 min Scan# 2928

Delta R.T. -0.00 min

Lab File: VU026694.D

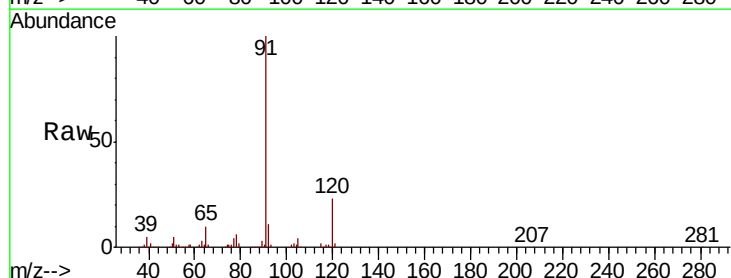
Acq: 12 Sep 2018 10:46

Tgt Ion: 91 Resp: 182089

Ion Ratio Lower Upper

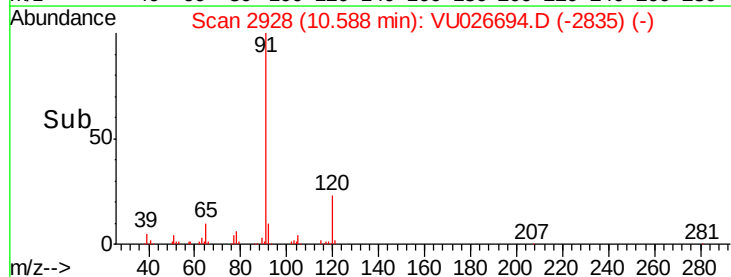
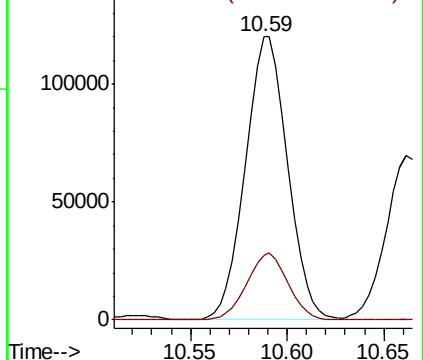
91 100

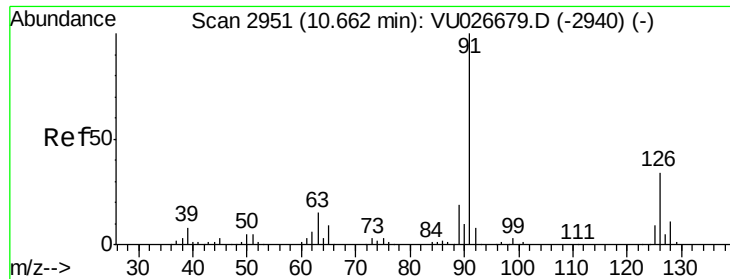
120 23.0 11.4 34.1



Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 20.15 ug/l

RT: 10.66 min Scan# 2951

Delta R.T. -0.00 min

Lab File: VU026694.D

Acq: 12 Sep 2018 10:46

Instrument :

MSVOA_U

ClientSampleId :

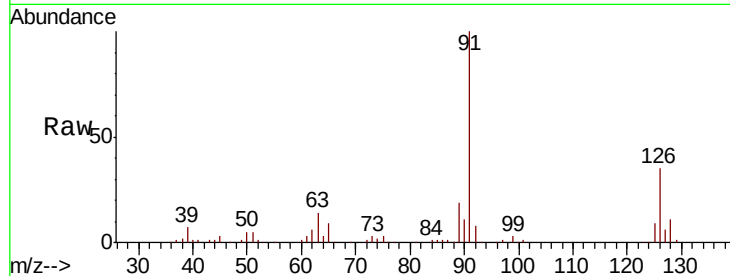
VU0912MBS02

Tot Ion: 91 Resp: 108869

Ion Ratio Lower Upper

91 100

126 34.7 17.3 51.7



Abundance Ion 91.00 (90.70 to 91.70): VU026679.D (-2940) (-)

Ion 125.90 (125.60 to 126.60): VU026679.D (-2940) (-)

100000

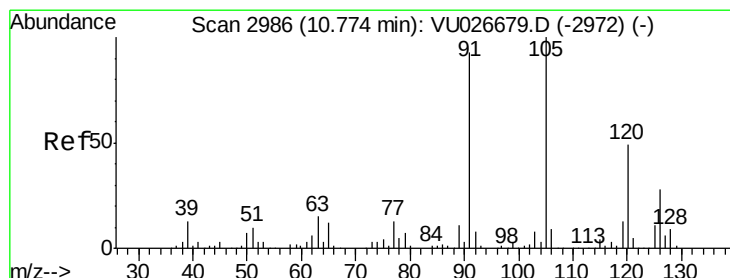
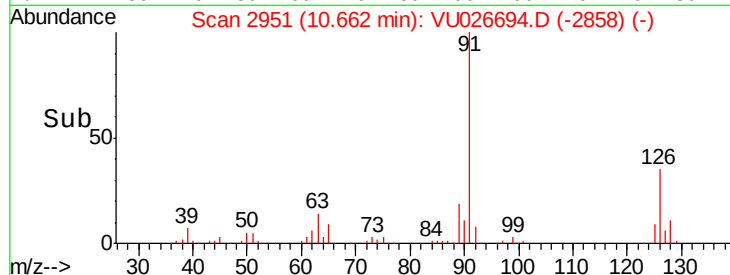
50000

0

10.66

10.60 10.65 10.70

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 21.06 ug/l

RT: 10.77 min Scan# 2986

Delta R.T. -0.00 min

Lab File: VU026694.D

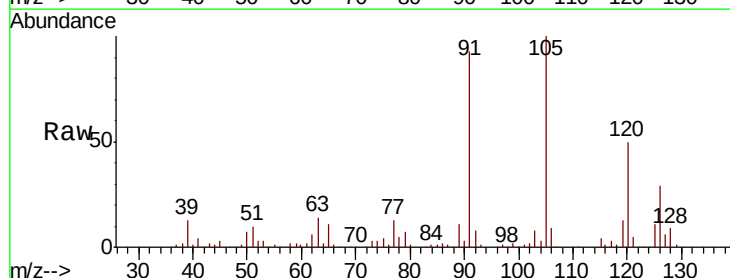
Acq: 12 Sep 2018 10:46

Tgt Ion:105 Resp: 132612

Ion Ratio Lower Upper

105 100

120 49.0 24.6 74.0



Abundance Ion 105.00 (104.70 to 105.70): VU026679.D (-2972) (-)

Ion 120.00 (119.70 to 120.70): VU026679.D (-2972) (-)

100000

80000

60000

40000

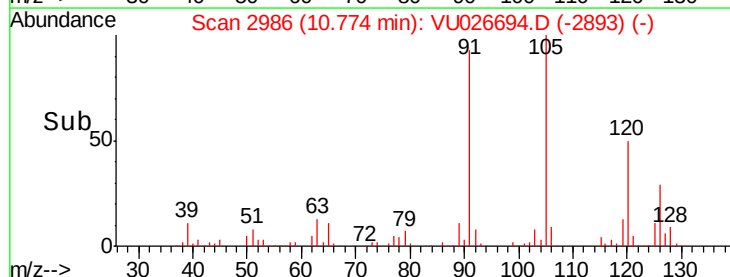
20000

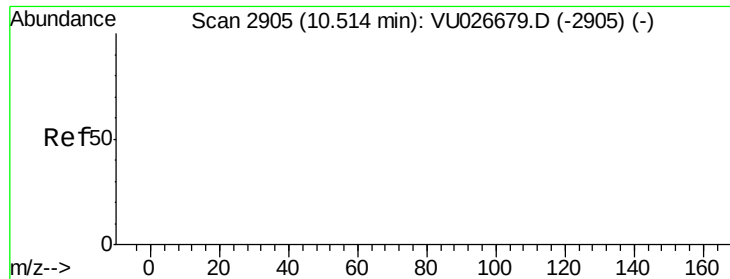
0

10.77

10.70 10.75 10.80 10.85

Time-->

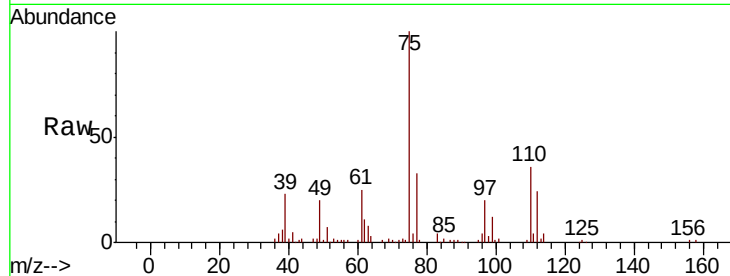




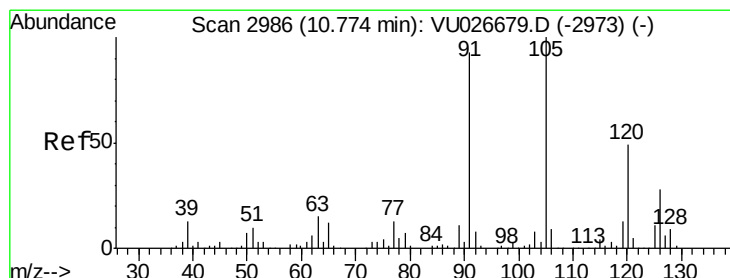
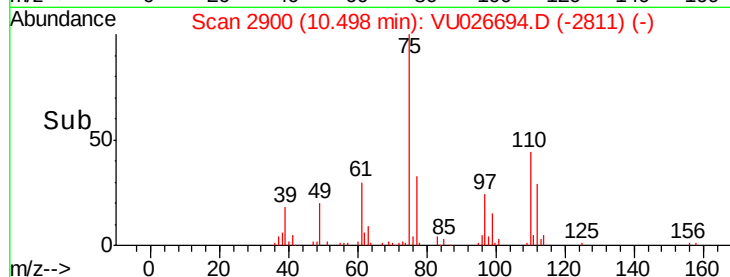
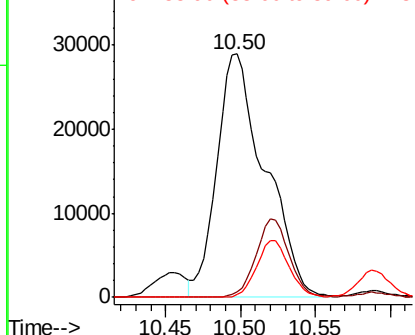
#81
trans-1,4-Dichloro-2-butene
Concen: 76.64 ug/l
RT: 10.50 min Scan# 2900
Delta R.T. -0.02 min
Lab File: VU026694.D
Acq: 12 Sep 2018 10:46

Instrument :
MSVOA_U
ClientSampleId :
VU0912MBS02

Tot Ion: 75 Resp: 65192
Ion Ratio Lower Upper
75 100
53 0.0 0.0 0.0
89 0.0 0.0 0.0

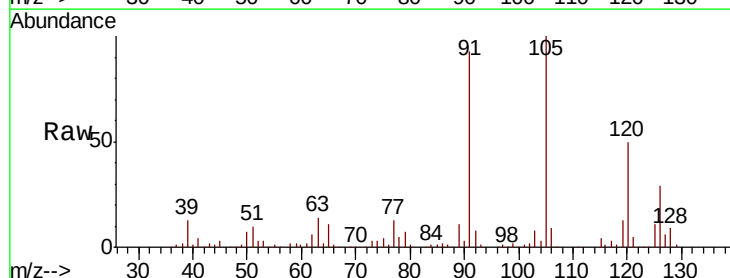


Abundance Ion 74.90 (74.60 to 75.60): VU0
Ion 53.00 (52.70 to 53.70): VU0
Ion 88.90 (88.60 to 89.60): VU0

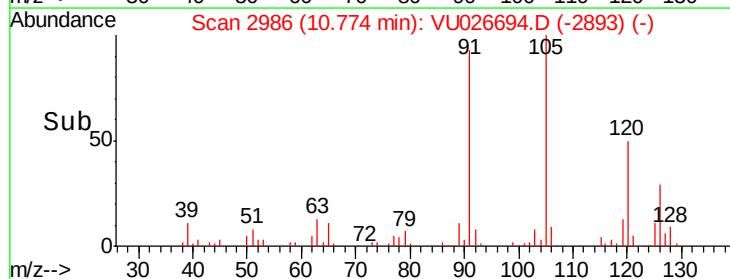
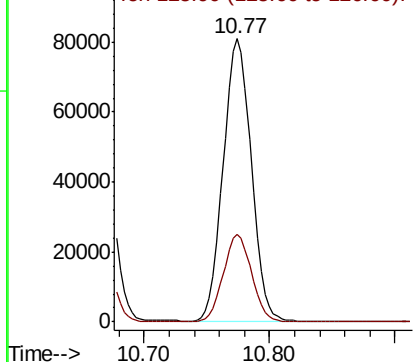


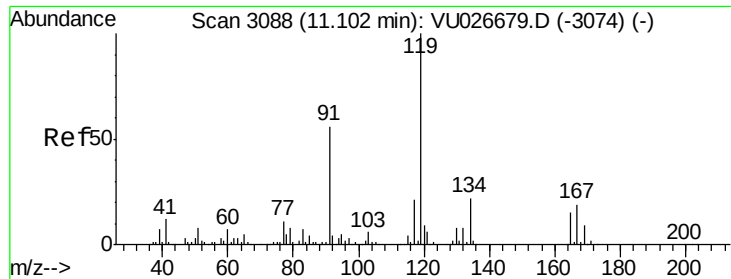
#82
4-Chlorotoluene
Concen: 20.67 ug/l
RT: 10.77 min Scan# 2986
Delta R.T. -0.00 min
Lab File: VU026694.D
Acq: 12 Sep 2018 10:46

Tgt Ion: 91 Resp: 125491
Ion Ratio Lower Upper
91 100
126 31.1 15.2 45.5



Abundance Ion 91.00 (90.70 to 91.70): VU0
Ion 125.90 (125.60 to 126.60): V

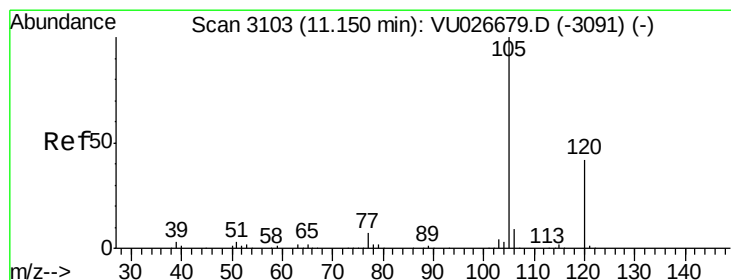
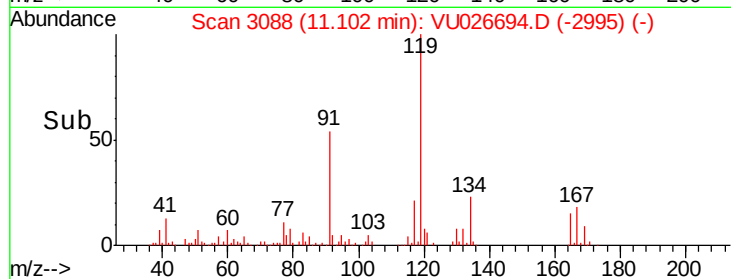
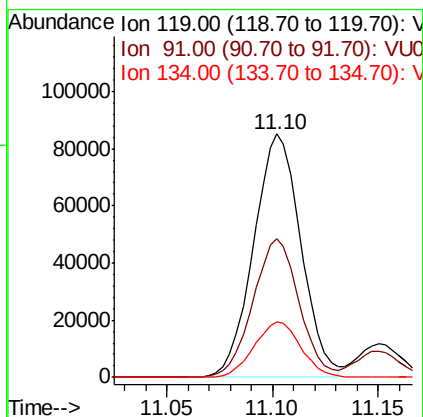
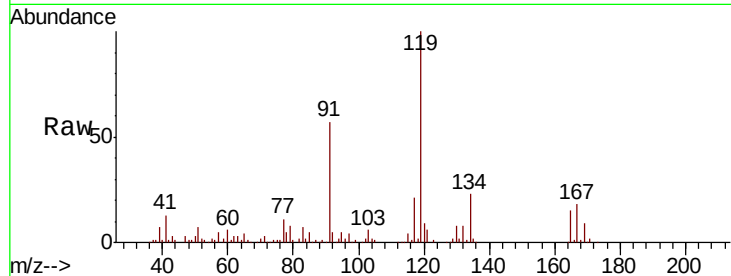




#83
 tert-Butylbenzene
 Concen: 20.74 ug/l
 RT: 11.10 min Scan# 3088
 Delta R.T. -0.00 min
 Lab File: VU026694.D
 Acq: 12 Sep 2018 10:46

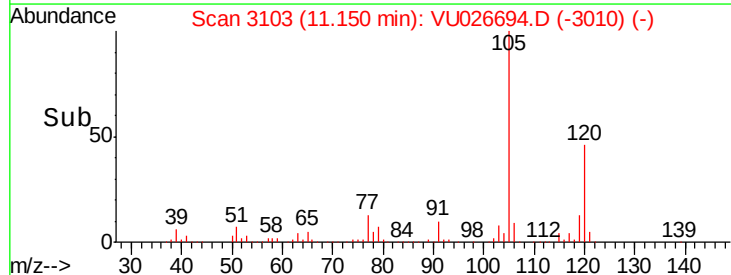
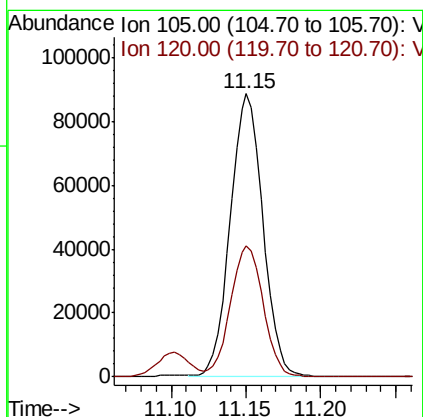
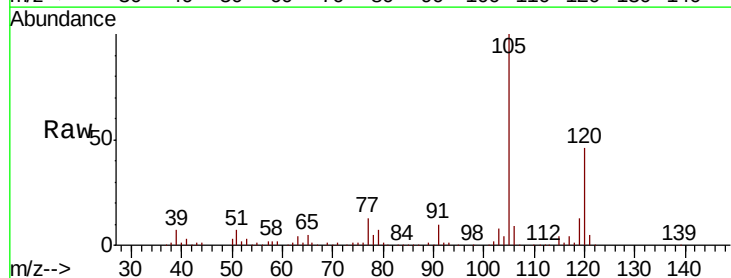
Instrument :
 MSVOA_U
 ClientSampleId :
 VU0912MBS02

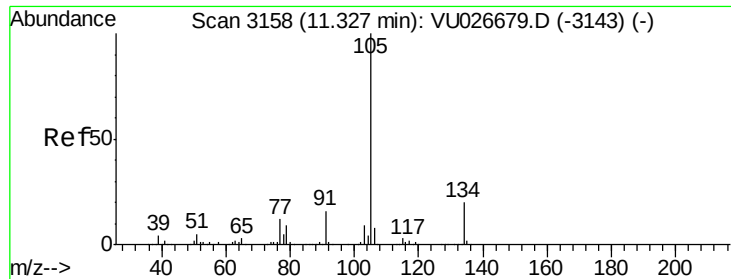
Tot Ion:119 Resp: 132542
 Ion Ratio Lower Upper
 119 100
 91 55.7 28.3 85.0
 134 22.6 11.2 33.5



#84
 1,2,4-Trimethylbenzene
 Concen: 21.10 ug/l
 RT: 11.15 min Scan# 3103
 Delta R.T. -0.00 min
 Lab File: VU026694.D
 Acq: 12 Sep 2018 10:46

Tgt Ion:105 Resp: 134027
 Ion Ratio Lower Upper
 105 100
 120 46.8 23.3 69.8





#85

sec-Butylbenzene

Concen: 20.94 ug/l

RT: 11.33 min Scan# 3158

Delta R.T. -0.00 min

Lab File: VU026694.D

Acq: 12 Sep 2018 10:46

Instrument :

MSVOA_U

ClientSampleId :

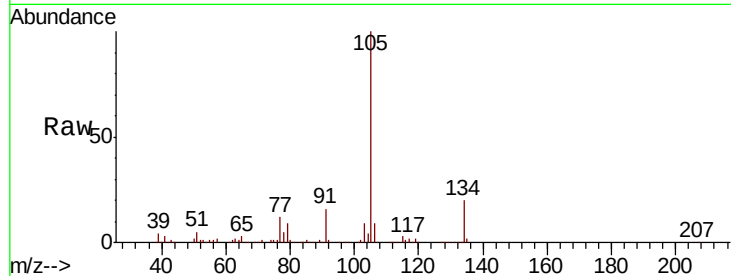
VU0912MBS02

Tot Ion:105 Resp: 158956

Ion Ratio Lower Upper

105 100

134 19.9 10.1 30.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

11.33

120000

100000

80000

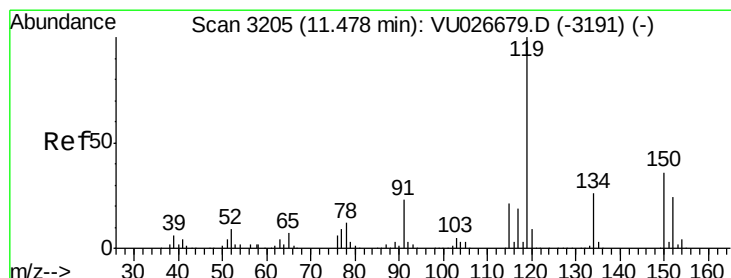
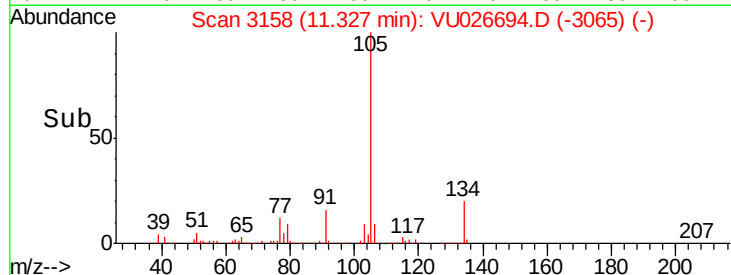
60000

40000

20000

0

Time-->



#86

p-Isopropyltoluene

Concen: 19.86 ug/l

RT: 11.48 min Scan# 3205

Delta R.T. 0.00 min

Lab File: VU026694.D

Acq: 12 Sep 2018 10:46

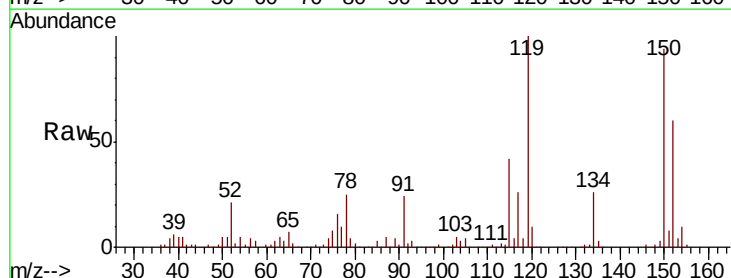
Tgt Ion:119 Resp: 140241

Ion Ratio Lower Upper

119 100

134 26.8 13.2 39.5

91 23.6 11.6 34.8



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VU0

11.48

120000

100000

80000

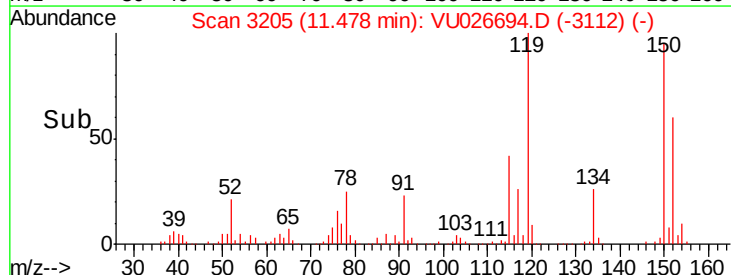
60000

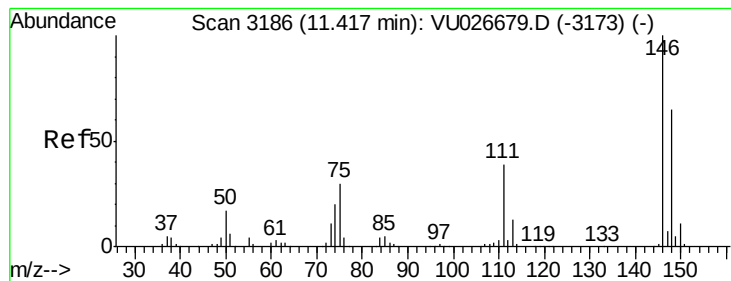
40000

20000

0

Time-->





#87

1,3-Dichlorobenzene

Concen: 19.24 ug/l

RT: 11.42 min Scan# 3186

Delta R.T. -0.00 min

Lab File: VU026694.D

Acq: 12 Sep 2018 10:46

Instrument :

MSVOA_U

ClientSampleId :

VU0912MBS02

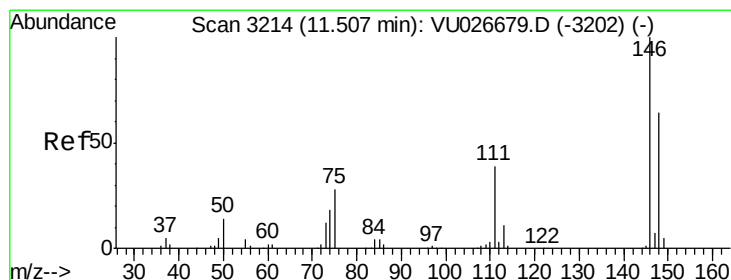
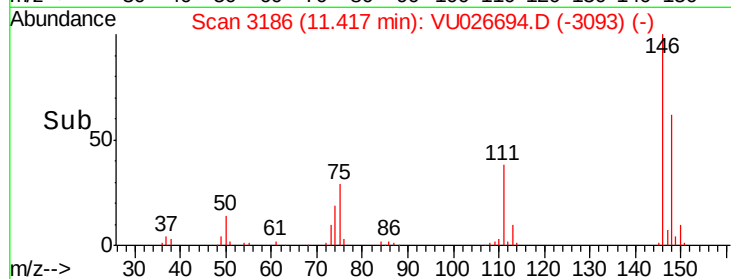
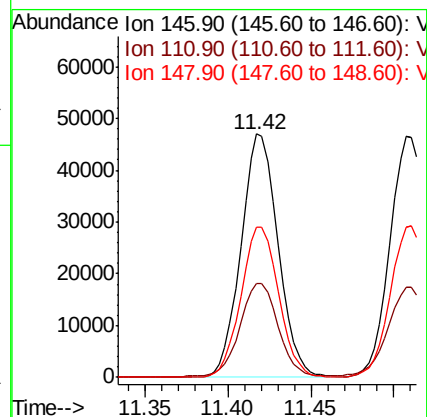
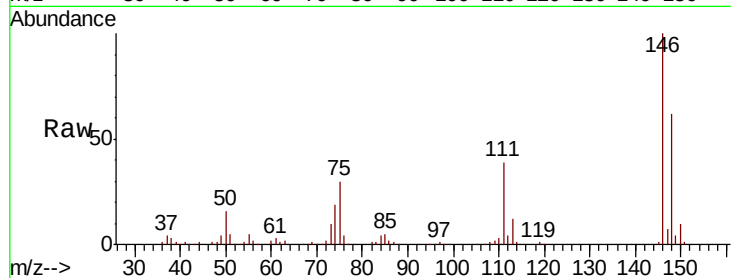
Tot Ion:146 Resp: 73087

Ion Ratio Lower Upper

146 100

111 40.5 19.7 59.1

148 62.8 32.1 96.3



#88

1,4-Dichlorobenzene

Concen: 18.76 ug/l

RT: 11.51 min Scan# 3214

Delta R.T. -0.00 min

Lab File: VU026694.D

Acq: 12 Sep 2018 10:46

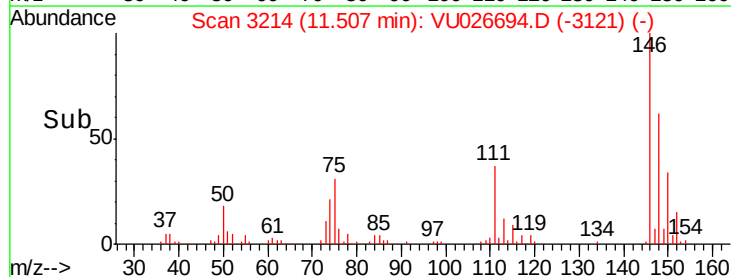
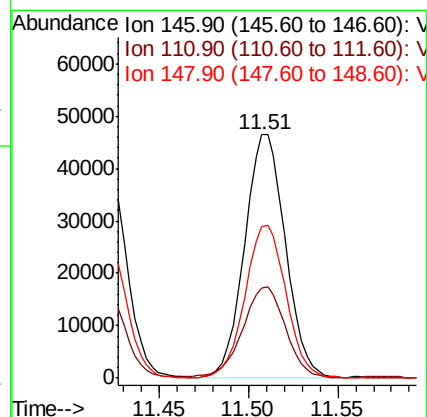
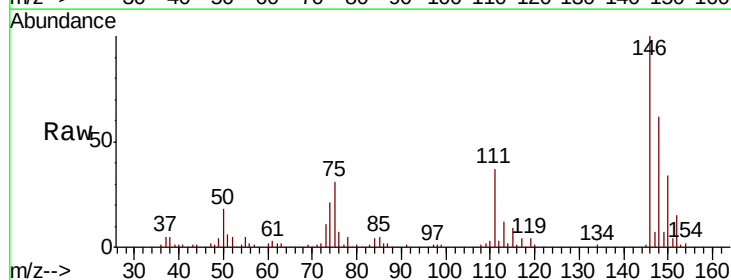
Tgt Ion:146 Resp: 74003

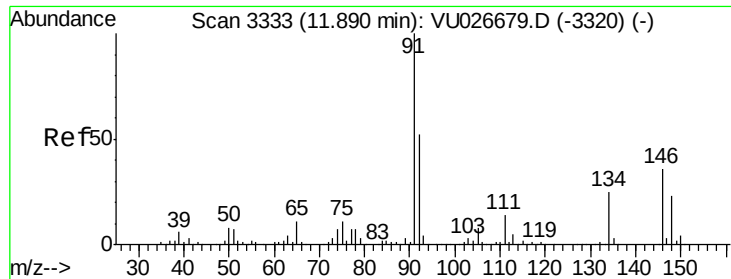
Ion Ratio Lower Upper

146 100

111 40.0 19.2 57.6

148 63.7 32.1 96.3

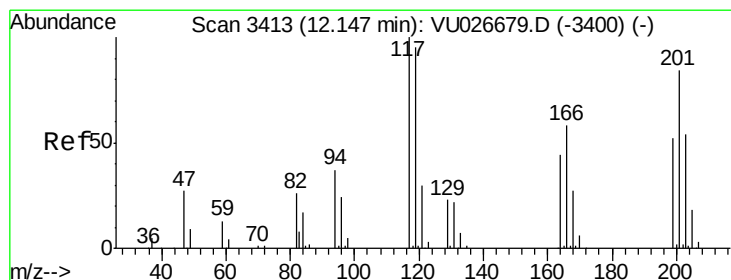
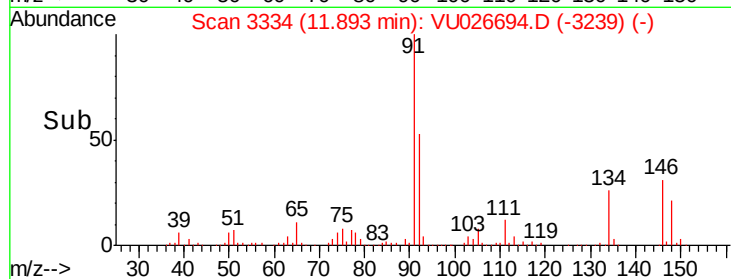
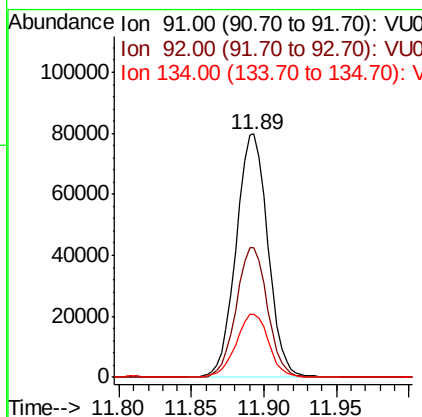
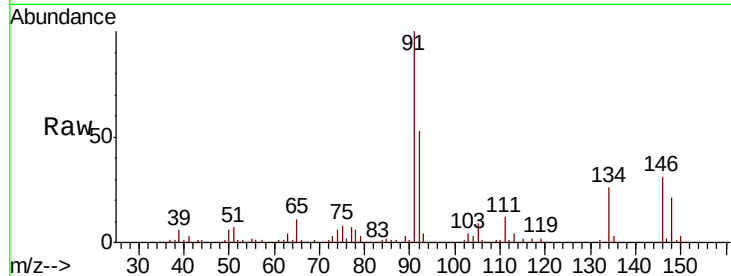




#89
n-Butylbenzene
Concen: 19.51 ug/l
RT: 11.89 min Scan# 3334
Delta R.T. 0.00 min
Lab File: VU026694.D
Acq: 12 Sep 2018 10:46

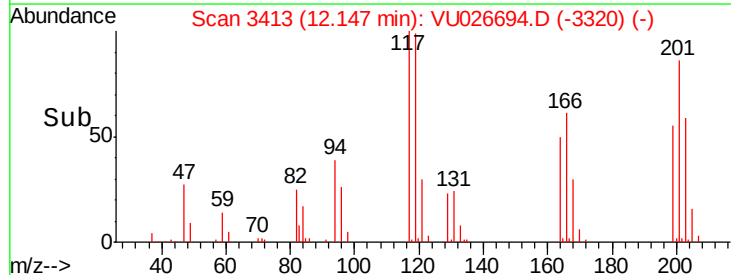
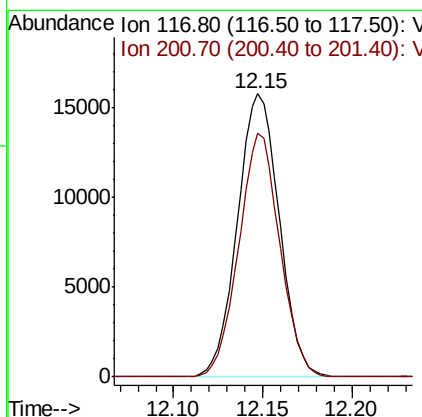
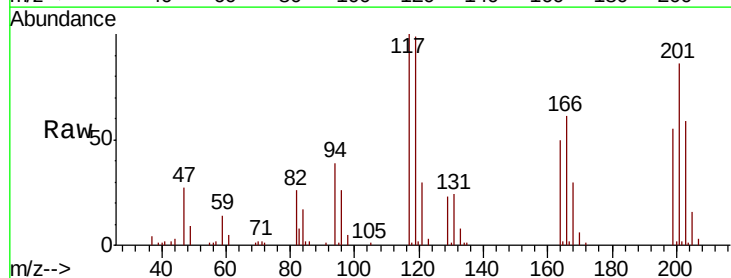
Instrument :
MSVOA_U
ClientSampleId :
VU0912MBS02

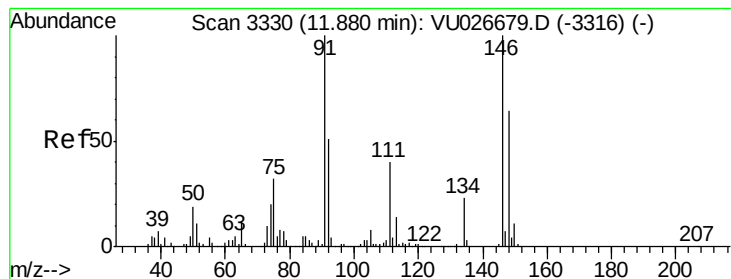
Tot Ion: 91 Resp: 121645
Ion Ratio Lower Upper
91 100
92 52.5 25.8 77.3
134 26.6 12.6 37.8



#90
Hexachloroethane
Concen: 19.31 ug/l
RT: 12.15 min Scan# 3413
Delta R.T. -0.00 min
Lab File: VU026694.D
Acq: 12 Sep 2018 10:46

Tgt Ion: 117 Resp: 25858
Ion Ratio Lower Upper
117 100
201 84.3 42.4 127.1





#91

1,2-Dichlorobenzene

Concen: 19.66 ug/l

RT: 11.88 min Scan# 3330

Delta R.T. -0.00 min

Lab File: VU026694.D

Acq: 12 Sep 2018 10:46

Instrument :

MSVOA_U

ClientSampleId :

VU0912MBS02

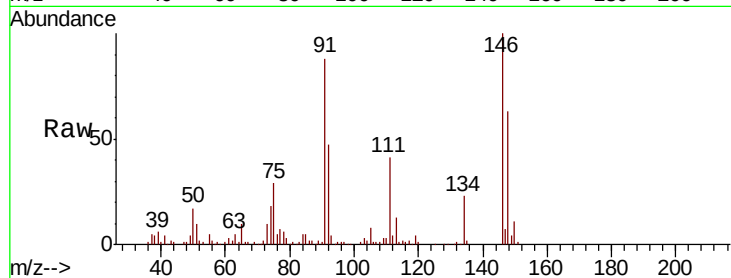
Tot Ion:146 Resp: 75116

Ion Ratio Lower Upper

146 100

111 40.1 20.3 60.8

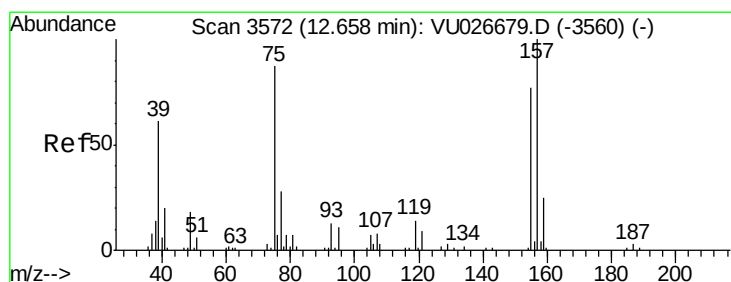
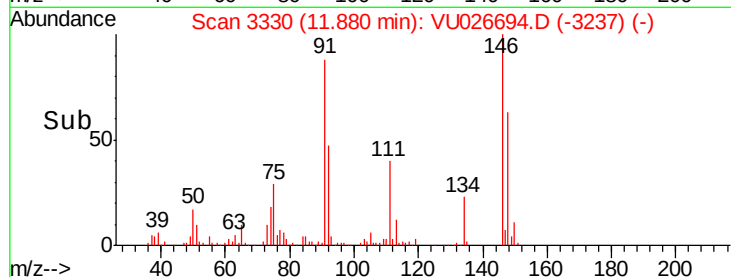
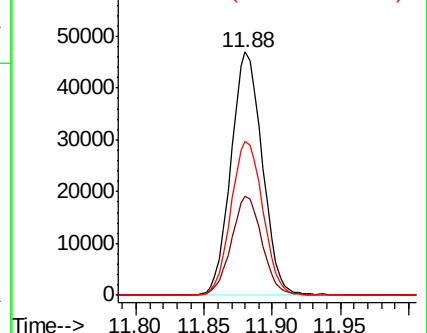
148 64.5 32.1 96.3



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: 20.17 ug/l

RT: 12.66 min Scan# 3572

Delta R.T. -0.00 min

Lab File: VU026694.D

Acq: 12 Sep 2018 10:46

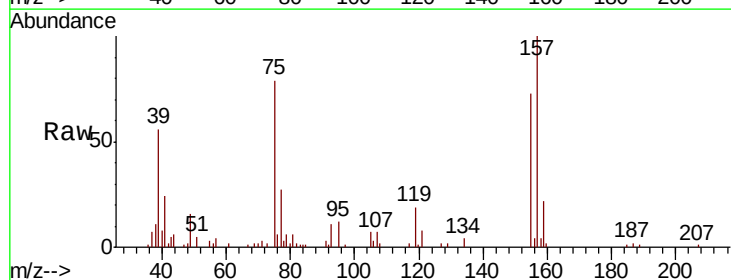
Tgt Ion: 75 Resp: 12348

Ion Ratio Lower Upper

75 100

155 92.8 44.1 132.4

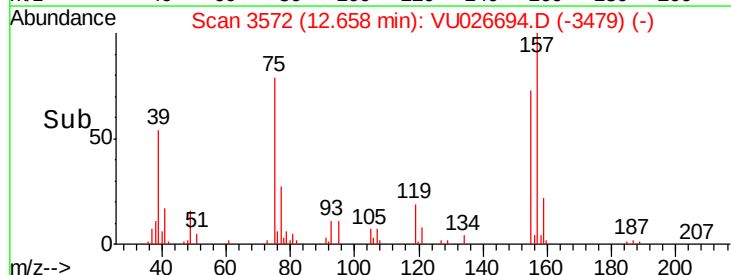
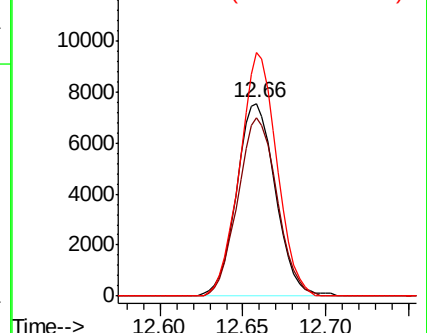
157 120.5 57.2 171.6

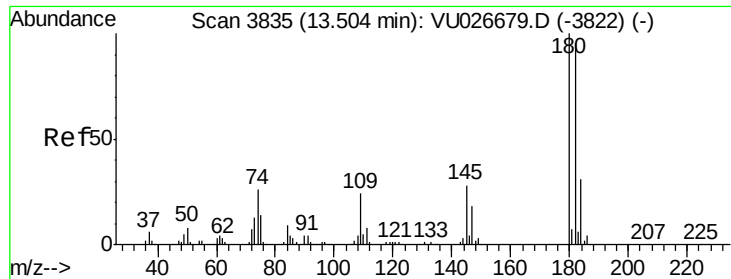


Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

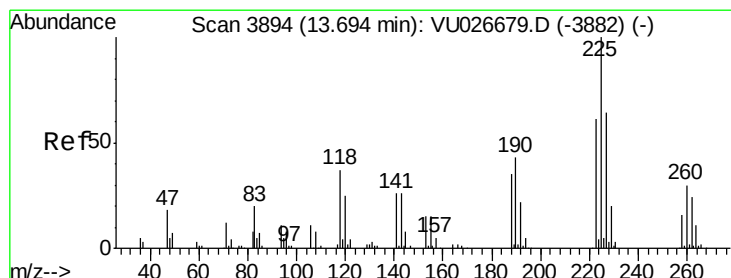
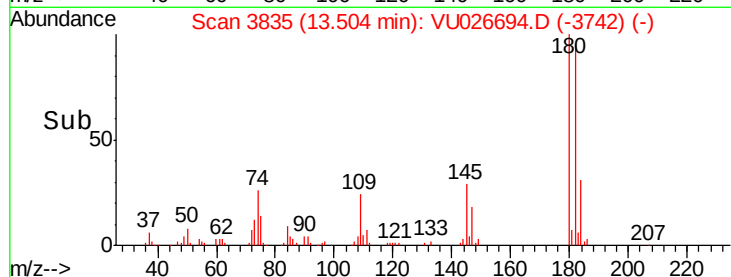
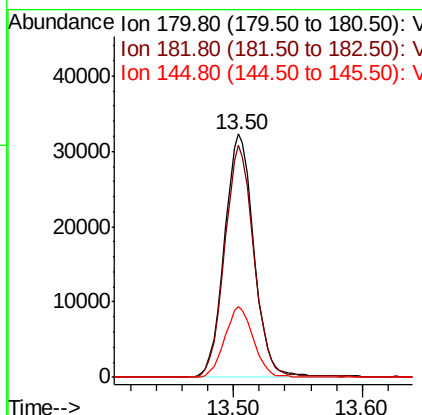
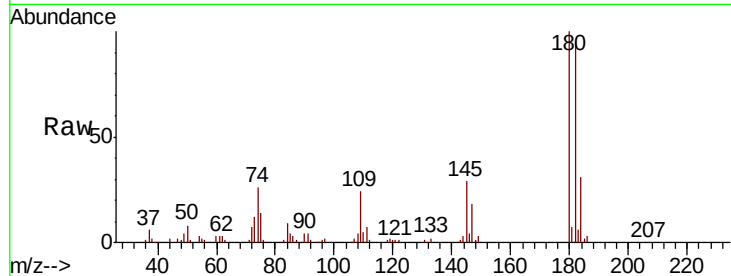




#93
 1,2,4-Trichlorobenzene
 Concen: 20.13 ug/l
 RT: 13.50 min Scan# 3835
 Delta R.T. -0.00 min
 Lab File: VU026694.D
 Acq: 12 Sep 2018 10:46

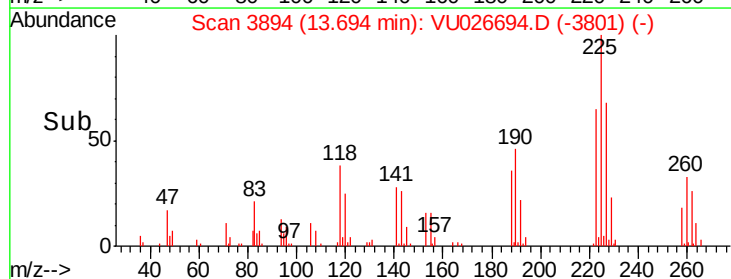
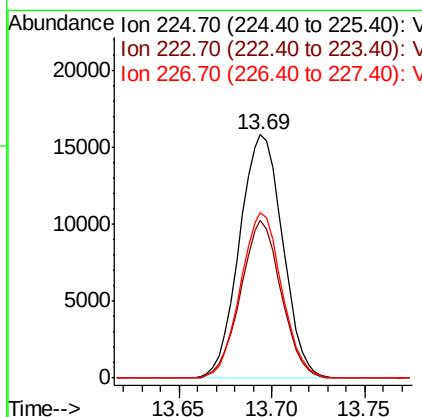
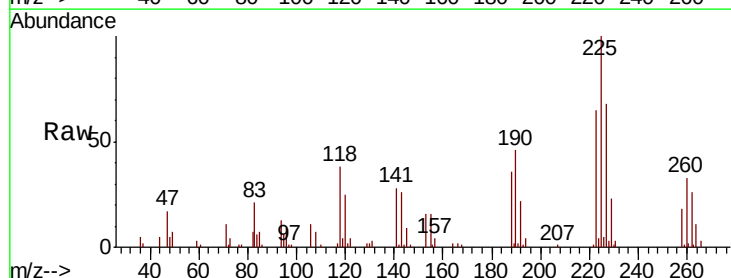
Instrument :
 MSVOA_U
 ClientSampleId :
 VU0912MBS02

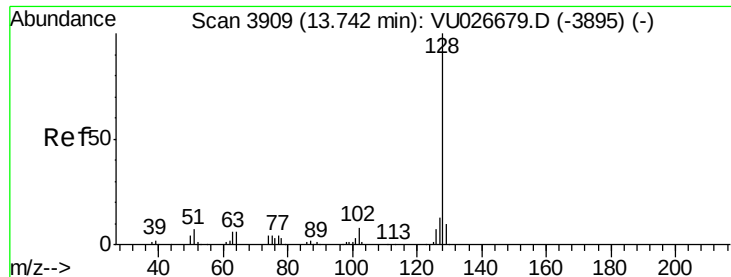
Tot Ion	Ratio	Lower	Upper
180	100		
182	94.2	47.9	143.7
145	28.2	14.0	42.0



#94
 Hexachlorobutadiene
 Concen: 19.57 ug/l
 RT: 13.69 min Scan# 3894
 Delta R.T. -0.00 min
 Lab File: VU026694.D
 Acq: 12 Sep 2018 10:46

Tgt Ion	Ratio	Lower	Upper
225	100		
223	60.7	30.6	92.0
227	64.8	32.1	96.3

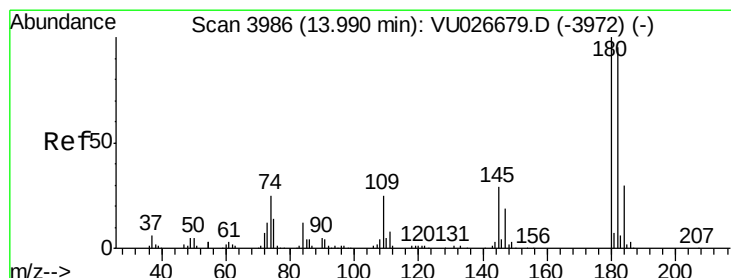
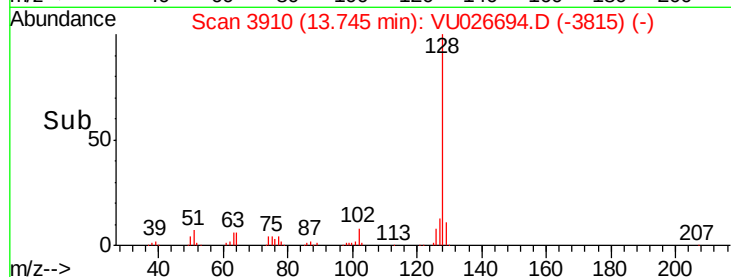
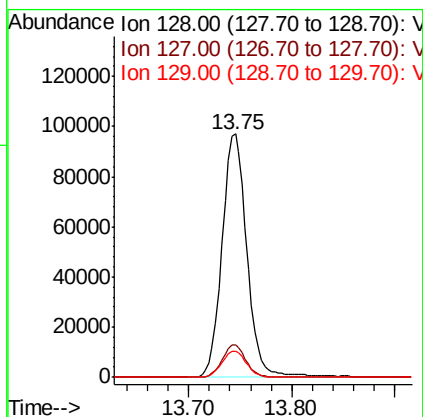
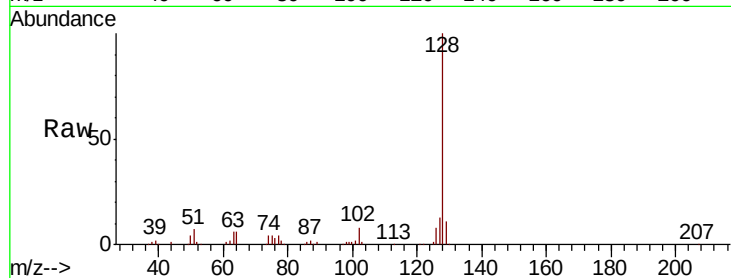




#95
Naphthalene
Concen: 19.73 ug/l
RT: 13.75 min Scan# 3910
Delta R.T. 0.00 min
Lab File: VU026694.D
Acq: 12 Sep 2018 10:46

Instrument :
MSVOA_U
ClientSampleId :
VU0912MBS02

Tot Ion:128 Resp: 163049
Ion Ratio Lower Upper
128 100
127 13.0 10.4 15.6
129 10.7 8.6 12.8



#96
1,2,3-Trichlorobenzene
Concen: 20.63 ug/l
RT: 13.99 min Scan# 3986
Delta R.T. -0.00 min
Lab File: VU026694.D
Acq: 12 Sep 2018 10:46

Tgt Ion:180 Resp: 54672
Ion Ratio Lower Upper
180 100
182 95.7 47.9 143.7
145 29.4 14.9 44.9

