

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU071018\
 Data File : VU025302.D
 Acq On : 10 Jul 2018 20:33
 Operator : MD/SY
 Sample : J3905-08MS
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 BR-1-070518MS

Quant Time: Jul 11 02:06:29 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U070918W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 10 09:34:16 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.99	168	184881	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	289114	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	270624	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.49	152	156300	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.31	65	133005	46.31	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.62%	
35) Dibromofluoromethane	4.89	113	108942	44.67	ug/l	0.00
Spiked Amount	50.000		Recovery	=	89.34%	
50) Toluene-d8	7.57	98	350263	41.94	ug/l	0.00
Spiked Amount	50.000		Recovery	=	83.88%	
62) 4-Bromofluorobenzene	10.31	95	144892	43.09	ug/l	0.00
Spiked Amount	50.000		Recovery	=	86.18%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	81825	42.77	ug/l	98
3) Chloromethane	1.33	50	93215	48.91	ug/l	100
4) Vinyl Chloride	1.40	62	98885	47.03	ug/l	98
5) Bromomethane	1.61	94	49284	45.43	ug/l	97
6) Chloroethane	1.69	64	66932	50.06	ug/l	98
7) Trichlorofluoromethane	1.88	101	149492	45.24	ug/l	97
8) Diethyl Ether	2.10	74	63464	51.18	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	2.28	101	91693	44.78	ug/l	99
10) Methyl Iodide	2.41	142	82839	38.28	ug/l	100
11) Tert butyl alcohol	2.83	59	172875	275.89	ug/l	99
12) 1,1-Dichloroethene	2.28	96	88567	47.26	ug/l	95
13) Acrolein	2.19	56	67118	161.91	ug/l	99
14) Allyl chloride	2.59	41	154778	45.54	ug/l	99
15) Acrylonitrile	2.94	53	346386	268.88	ug/l	100
16) Acetone	2.32	43	327419	223.90	ug/l	100
17) Carbon Disulfide	2.48	76	234105	43.03	ug/l	99
18) Methyl Acetate	2.62	43	156294	53.15	ug/l	99
19) Methyl tert-butyl Ether	3.00	73	379241	53.20	ug/l	100
20) Methylene Chloride	2.70	84	112565	50.65	ug/l	98
21) trans-1,2-Dichloroethene	2.98	96	100088	46.73	ug/l	98
22) Diisopropyl ether	3.57	45	357940	51.57	ug/l	95
23) Vinyl Acetate	3.53	43	1526377	250.68	ug/l	99
24) 1,1-Dichloroethane	3.45	63	205748	52.56	ug/l	100
25) 2-Butanone	4.26	43	500453	251.37	ug/l	100
26) 2,2-Dichloropropane	4.23	77	156675	41.63	ug/l	100
27) cis-1,2-Dichloroethene	4.23	96	123581	49.87	ug/l	98
28) Bromochloromethane	4.55	49	95104	50.31	ug/l	100
29) Tetrahydrofuran	4.63	42	314932	263.73	ug/l	100
30) Chloroform	4.68	83	215692	52.03	ug/l	98
31) Cyclohexane	5.00	56	155072	42.85	ug/l	99
32) 1,1,1-Trichloroethane	4.92	97	190582	50.73	ug/l	99
36) 1,1-Dichloropropene	5.14	75	141994	44.18	ug/l	98
37) Ethyl Acetate	4.38	43	177790	49.60	ug/l	100
38) Carbon Tetrachloride	5.14	117	164716	47.61	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.42	83	158348	39.50	ug/l	97
40) Benzene	5.39	78	435039	46.97	ug/l	99
41) Methacrylonitrile	4.54	41	102071	51.36	ug/l	98
42) 1,2-Dichloroethane	5.41	62	179576	48.77	ug/l	98
43) Isopropyl Acetate	5.55	43	284357	49.54	ug/l	99
44) Trichloroethene	6.19	130	119458	44.92	ug/l	98
45) 1,2-Dichloropropane	6.44	63	119049	49.07	ug/l	98
46) Dibromomethane	6.56	93	86201	48.82	ug/l	99
47) Bromodichloromethane	6.76	83	164498	50.16	ug/l	98
48) Methyl methacrylate	6.62	41	149784	52.34	ug/l	99
49) 1,4-Dioxane	6.61	88	67289	977.22	ug/l	99
51) 4-Methyl-2-Pentanone	7.46	43	967861	259.42	ug/l	100
52) Toluene	7.64	92	278875	47.32	ug/l	100
53) t-1,3-Dichloropropene	7.88	75	172753	47.94	ug/l	98
54) cis-1,3-Dichloropropene	7.27	75	182241	47.52	ug/l	99
55) 1,1,2-Trichloroethane	8.07	97	121919	49.68	ug/l	97
56) Ethyl methacrylate	8.02	69	194369	50.71	ug/l	98
57) 1,3-Dichloropropane	8.25	76	203516	49.95	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.14	63	219	11.27	ug/l #	47
59) 2-Hexanone	8.36	43	760226	251.21	ug/l	98
60) Dibromochloromethane	8.48	129	135703	51.20	ug/l	99
61) 1,2-Dibromoethane	8.59	107	132144	50.32	ug/l	100
64) Tetrachloroethene	8.23	164	115295	46.74	ug/l	99
65) Chlorobenzene	9.12	112	328886	48.65	ug/l	99
66) 1,1,1,2-Tetrachloroethane	9.21	131	124492	51.48	ug/l	100
67) Ethyl Benzene	9.25	91	542586	47.08	ug/l	99
68) m/p-Xylenes	9.38	106	422554	94.83	ug/l	100
69) o-Xylene	9.78	106	216045	48.43	ug/l	99
70) Styrene	9.80	104	344073	48.56	ug/l	99
71) Bromoform	9.96	173	108180	46.61	ug/l #	99
73) Isopropylbenzene	10.17	105	558584	46.77	ug/l	99
74) N-amyl acetate	10.01	43	249676	51.05	ug/l	100
75) 1,1,2,2-Tetrachloroethane	10.46	83	204781	52.41	ug/l	99
76) 1,2,3-Trichloropropane	10.50	75	231967	71.47	ug/l	86
77) Bromobenzene	10.45	156	149367	48.89	ug/l	99
78) n-propylbenzene	10.59	91	622608	46.98	ug/l	100
79) 2-Chlorotoluene	10.66	91	387913	50.98	ug/l	100
80) 1,3,5-Trimethylbenzene	10.78	105	479811	47.75	ug/l	99
81) trans-1,4-Dichloro-2-buten	10.50	75	231967	186.29	ug/l #	100
82) 4-Chlorotoluene	10.78	91	441662	47.07	ug/l	100
83) tert-Butylbenzene	11.10	119	481042	47.37	ug/l	99
84) 1,2,4-Trimethylbenzene	11.15	105	492487	47.82	ug/l	99
85) sec-Butylbenzene	11.33	105	560701	46.90	ug/l	100
86) p-Isopropyltoluene	11.48	119	500834	47.31	ug/l	99
87) 1,3-Dichlorobenzene	11.42	146	263077	47.12	ug/l	99
88) 1,4-Dichlorobenzene	11.51	146	260817	47.89	ug/l	98
89) n-Butylbenzene	11.89	91	390884	44.91	ug/l	100
90) Hexachloroethane	12.15	117	83522	46.59	ug/l	99
91) 1,2-Dichlorobenzene	11.88	146	279341	49.54	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.66	75	51724	54.58	ug/l	99

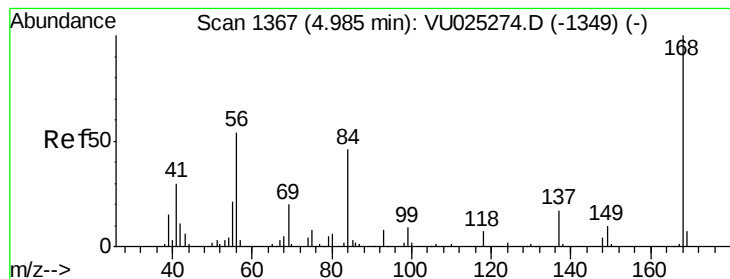
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.51	180	165151	44.15	ug/l	98
94) Hexachlorobutadiene	13.70	225	86884	43.08	ug/l	99
95) Naphthalene	13.74	128	581754	50.66	ug/l	99
96) 1,2,3-Trichlorobenzene	13.99	180	180024	47.11	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 4.99 min Scan# 1368

Delta R.T. 0.00 min

Lab File: VU025302.D

Acq: 10 Jul 2018 20:33

Instrument :

MSVOA_U

ClientSampleId :

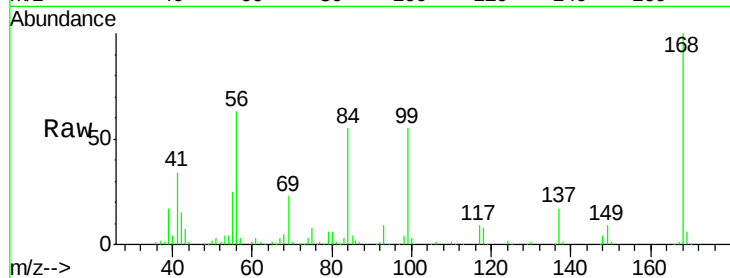
BR-1-070518MS

Tot Ion:168 Resp: 184881

Ion Ratio Lower Upper

168 100

99 54.8 42.8 64.2



Abundance Ion 167.90 (167.60 to 168.60): VU025274.D (-1349) (-)

Ion 98.90 (98.60 to 99.60): VU025274.D (-1349) (-)

4.99

80000

60000

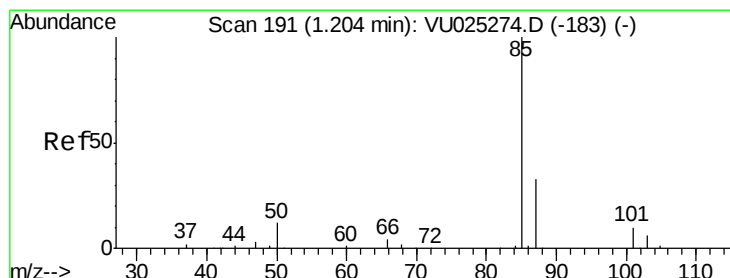
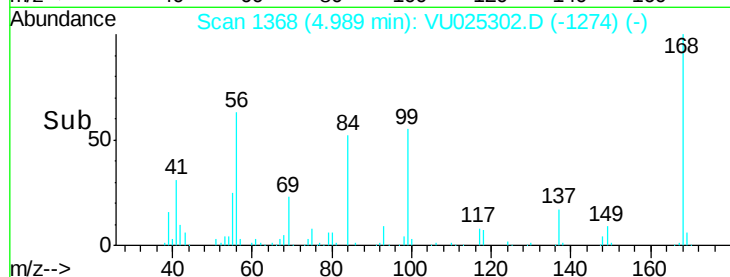
40000

20000

0

4.90 4.95 5.00 5.05 5.10

Time-->



#2

Dichlorodifluoromethane

Concen: 42.77 ug/l

RT: 1.20 min Scan# 191

Delta R.T. 0.00 min

Lab File: VU025302.D

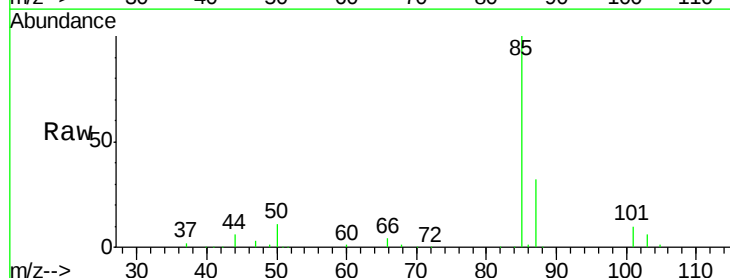
Acq: 10 Jul 2018 20:33

Tgt Ion: 85 Resp: 81825

Ion Ratio Lower Upper

85 100

87 31.8 16.5 49.5



Abundance Ion 84.90 (84.60 to 85.60): VU025274.D (-183) (-)

Ion 86.90 (86.60 to 87.60): VU025274.D (-183) (-)

1.20

80000

60000

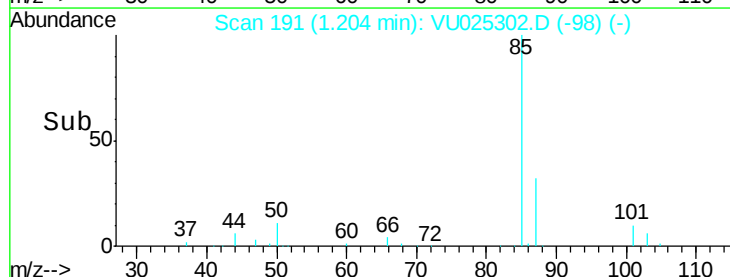
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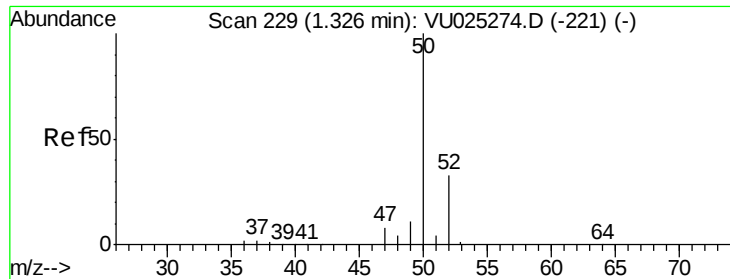
20000

0

1.15 1.20 1.25

Time-->





#3

Chloromethane

Concen: 48.91 ug/l

RT: 1.33 min Scan# 229

Delta R.T. 0.00 min

Lab File: VU025302.D

Acq: 10 Jul 2018 20:33

Instrument :

MSVOA_U

ClientSampleId :

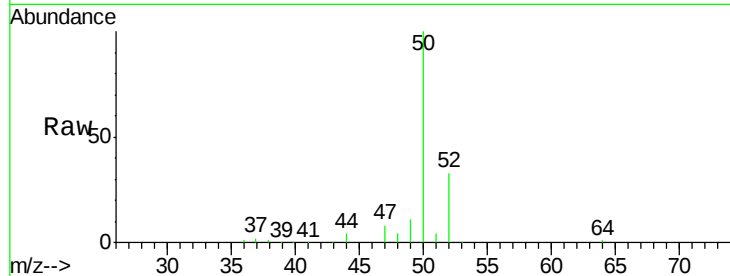
BR-1-070518MS

Tot Ion: 50 Resp: 93215

Ion Ratio Lower Upper

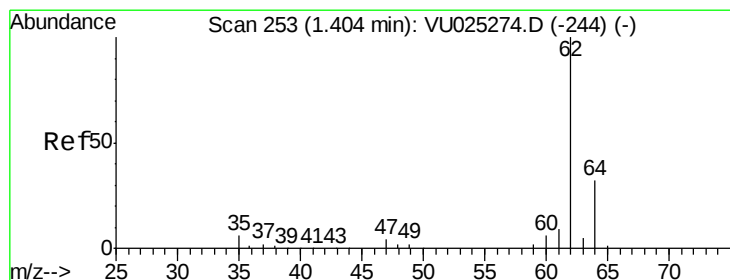
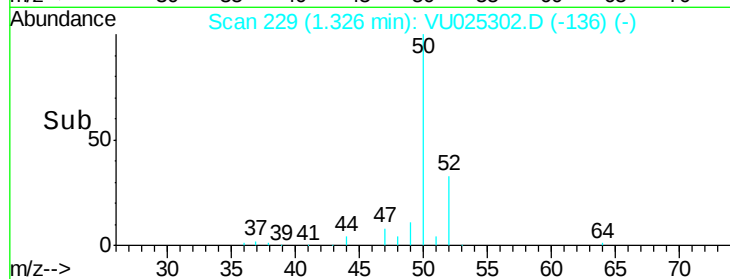
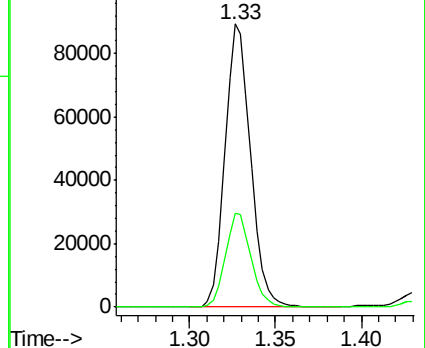
50 100

52 33.0 26.5 39.7



Abundance Ion 49.90 (49.60 to 50.60): VU0

Ion 51.90 (51.60 to 52.60): VU0



#4

Vinyl Chloride

Concen: 47.03 ug/l

RT: 1.40 min Scan# 253

Delta R.T. 0.00 min

Lab File: VU025302.D

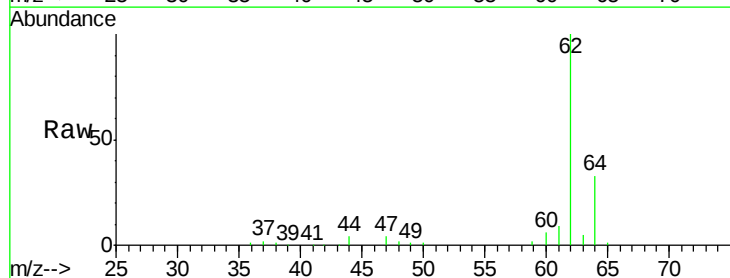
Acq: 10 Jul 2018 20:33

Tgt Ion: 62 Resp: 98885

Ion Ratio Lower Upper

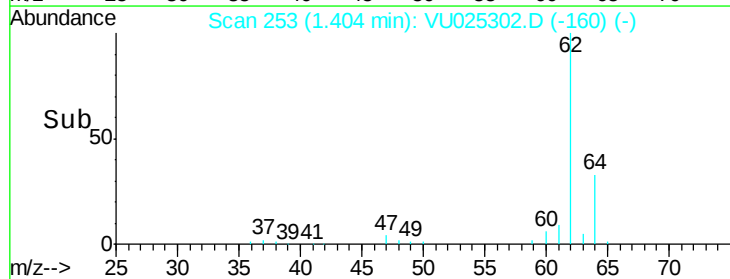
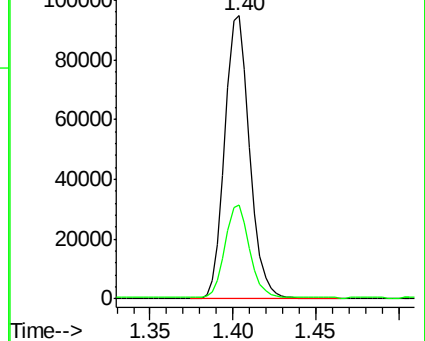
62 100

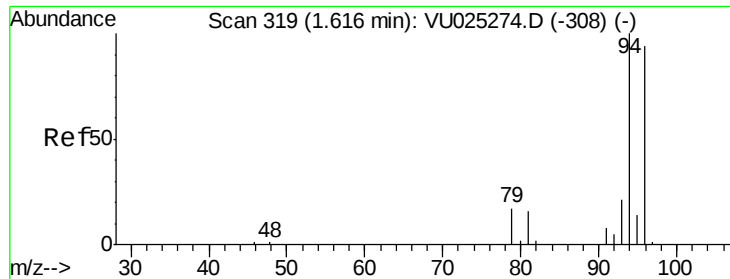
64 32.7 25.4 38.0



Abundance Ion 61.90 (61.60 to 62.60): VU0

Ion 63.90 (63.60 to 64.60): VU0

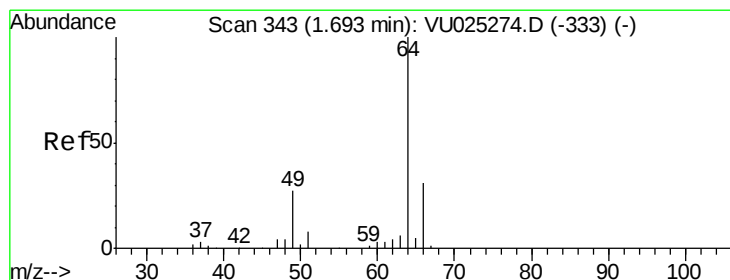
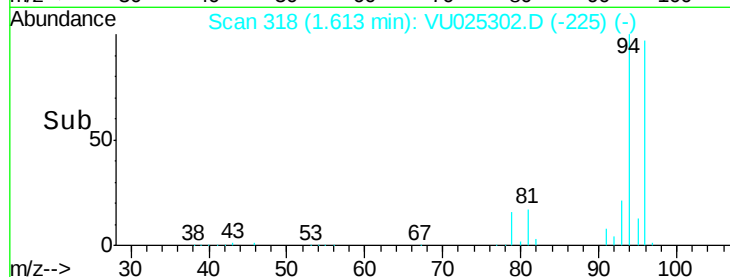
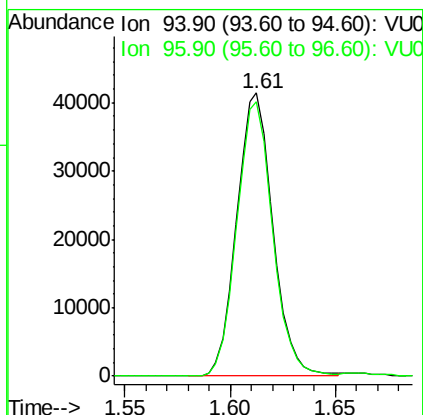
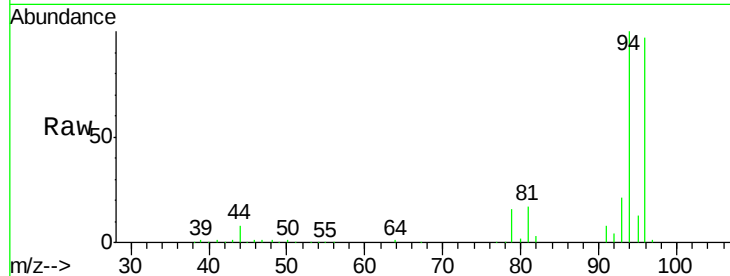




#5
Bromomethane
Concen: 45.43 ug/l
RT: 1.61 min Scan# 318
Delta R.T. -0.00 min
Lab File: VU025302.D
Acq: 10 Jul 2018 20:33

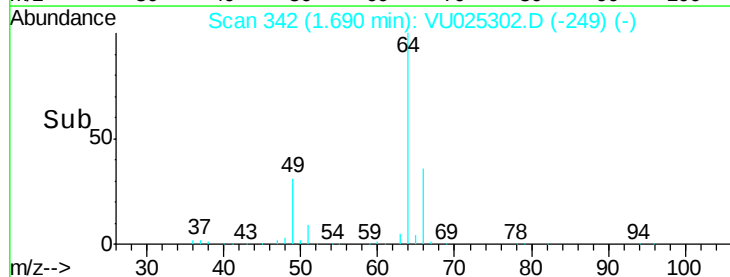
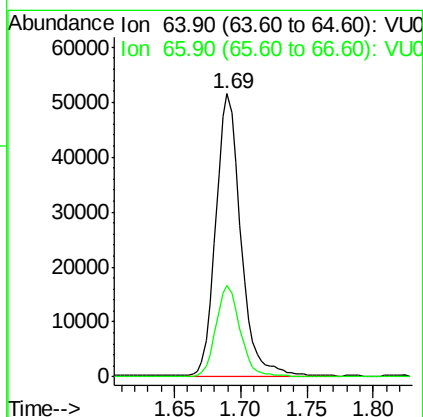
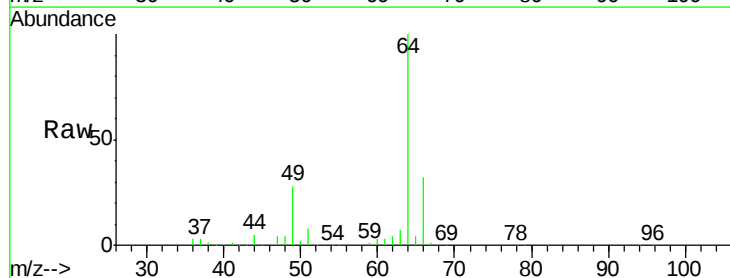
Instrument :
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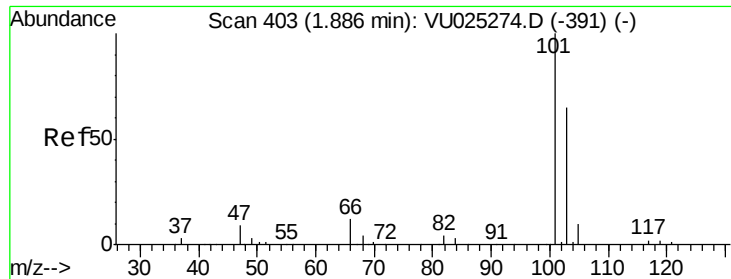
Tot Ion: 94 Resp: 49284
Ion Ratio Lower Upper
94 100
96 96.5 75.0 112.4



#6
Chloroethane
Concen: 50.06 ug/l
RT: 1.69 min Scan# 342
Delta R.T. -0.00 min
Lab File: VU025302.D
Acq: 10 Jul 2018 20:33

Tgt Ion: 64 Resp: 66932
Ion Ratio Lower Upper
64 100
66 32.2 25.0 37.4





#7

Trichlorofluoromethane

Concen: 45.24 ug/l

RT: 1.88 min Scan# 402

Delta R.T. -0.00 min

Lab File: VU025302.D

Acq: 10 Jul 2018 20:33

Instrument :

MSVOA_U

ClientSampleId :

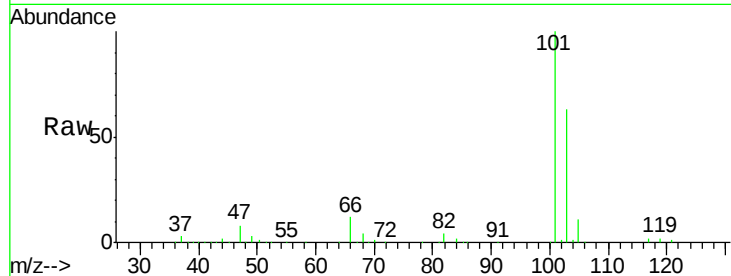
BR-1-070518MS

Tot Ion:101 Resp: 149492

Ion Ratio Lower Upper

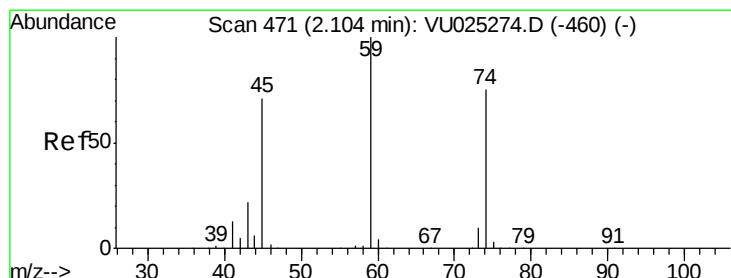
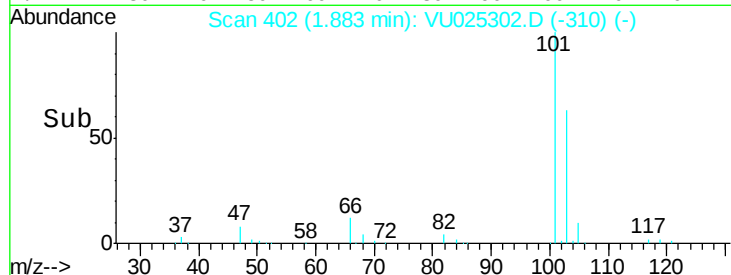
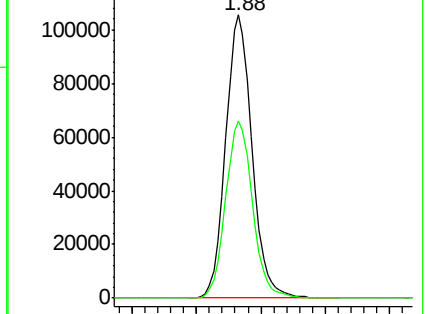
101 100

103 62.7 52.2 78.2



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 102.80 (102.50 to 103.50): V



#8

Diethyl Ether

Concen: 51.18 ug/l

RT: 2.10 min Scan# 471

Delta R.T. 0.00 min

Lab File: VU025302.D

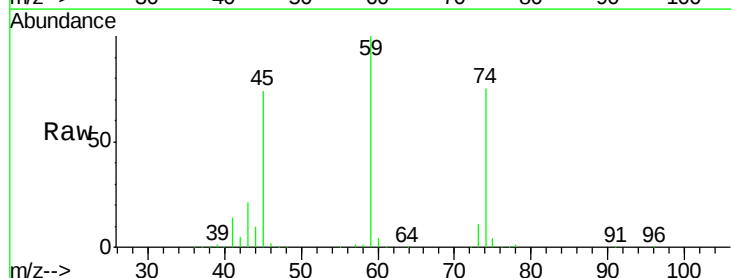
Acq: 10 Jul 2018 20:33

Tgt Ion: 74 Resp: 63464

Ion Ratio Lower Upper

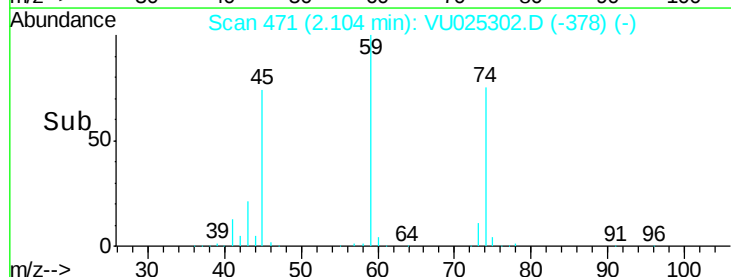
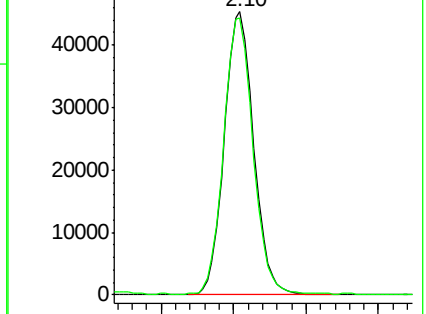
74 100

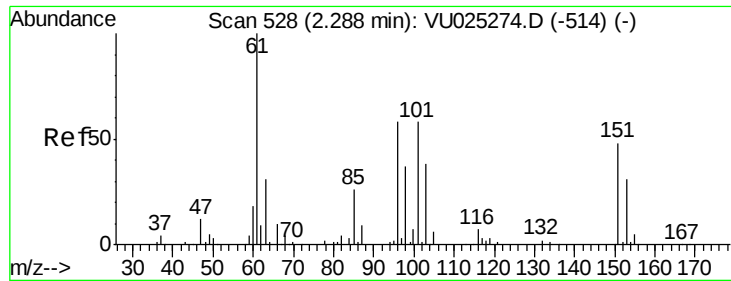
45 98.9 48.3 144.9



Abundance Ion 74.00 (73.70 to 74.70): VU0

Ion 45.00 (44.70 to 45.70): VU0

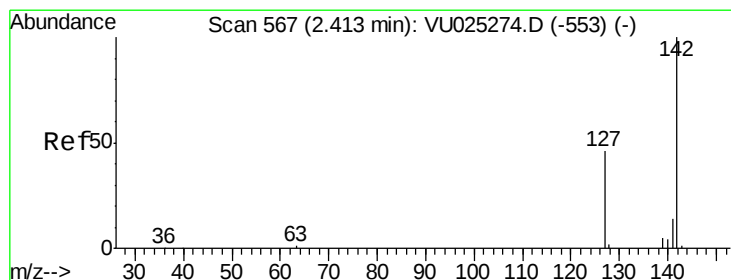
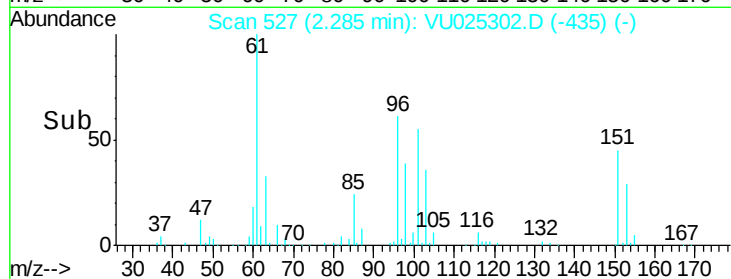
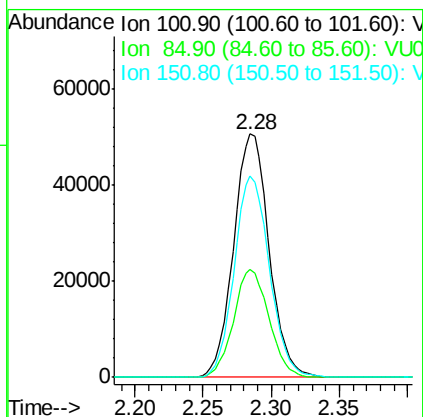
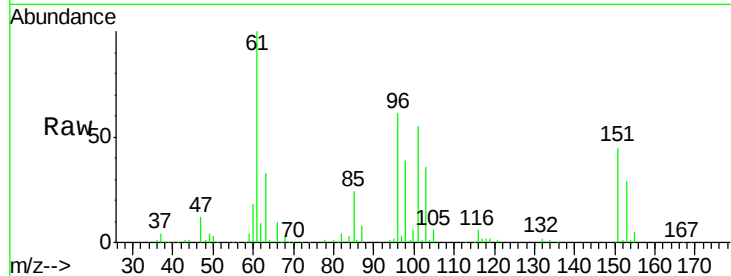




#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 44.78 ug/l
 RT: 2.28 min Scan# 527
 Delta R.T. -0.00 min
 Lab File: VU025302.D
 Acq: 10 Jul 2018 20:33

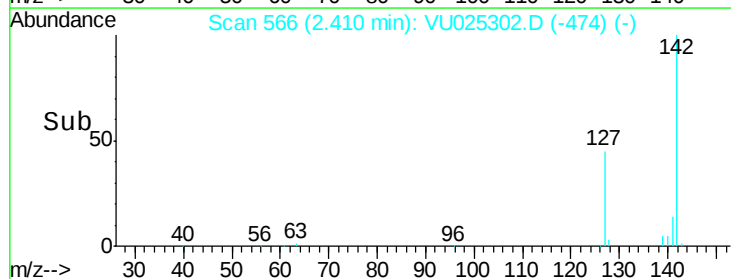
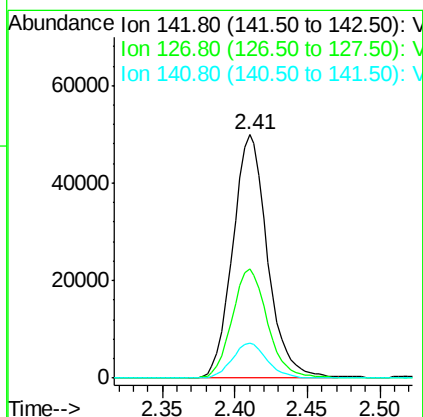
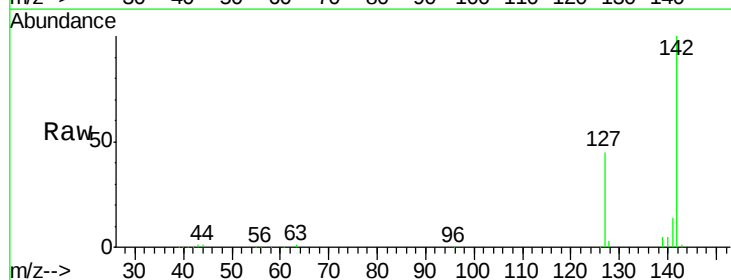
Instrument :
 MSVOA_U
 ClientSampleId :
 BR-1-070518MS

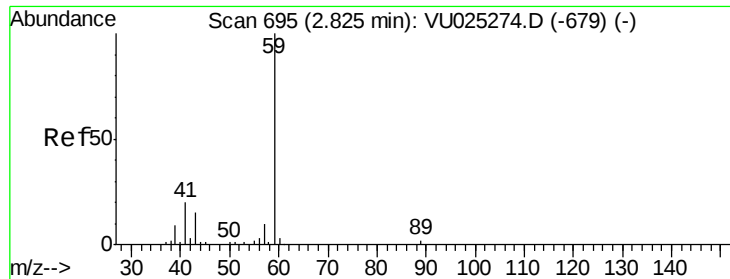
Tot Ion:101 Resp: 91693
 Ion Ratio Lower Upper
 101 100
 85 44.2 36.0 54.0
 151 82.1 65.6 98.4



#10
 Methyl Iodide
 Concen: 38.28 ug/l
 RT: 2.41 min Scan# 566
 Delta R.T. -0.00 min
 Lab File: VU025302.D
 Acq: 10 Jul 2018 20:33

Tgt Ion:142 Resp: 82839
 Ion Ratio Lower Upper
 142 100
 127 45.9 36.5 54.7
 141 14.5 11.4 17.2

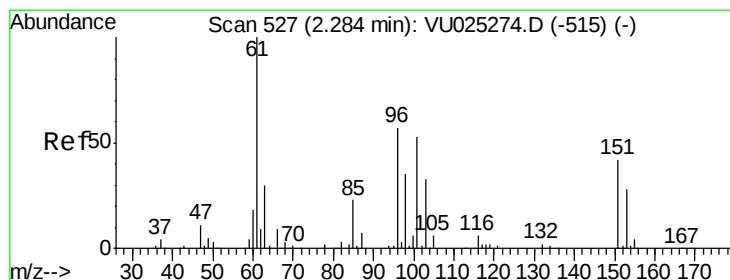
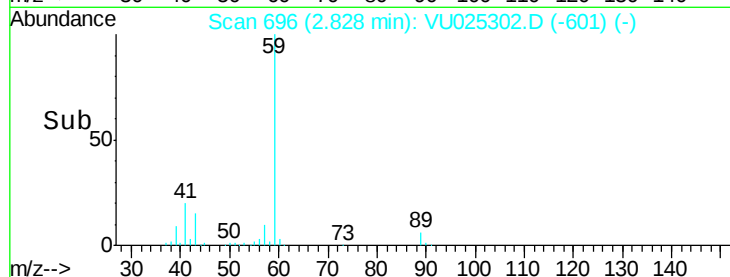
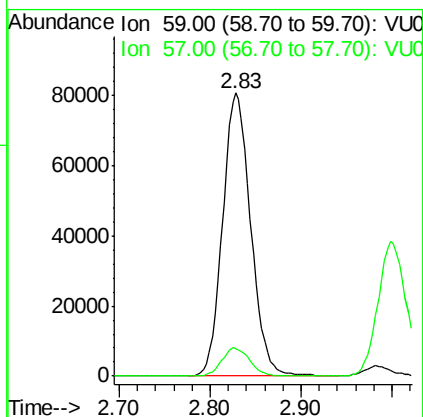
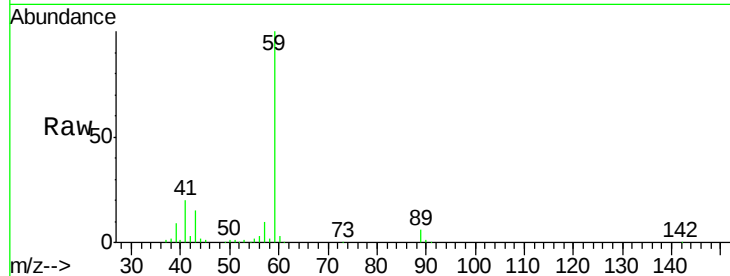




#11
Tert butyl alcohol
Concen: 275.89 ug/l
RT: 2.83 min Scan# 696
Delta R.T. 0.00 min
Lab File: VU025302.D
Acq: 10 Jul 2018 20:33

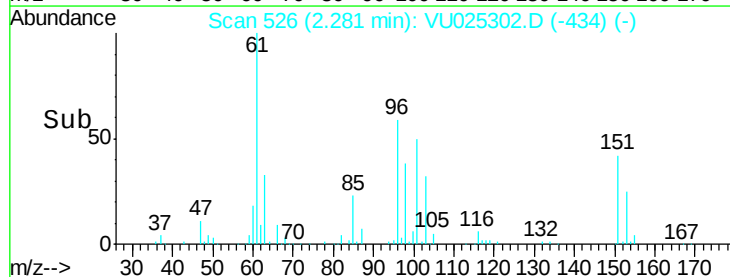
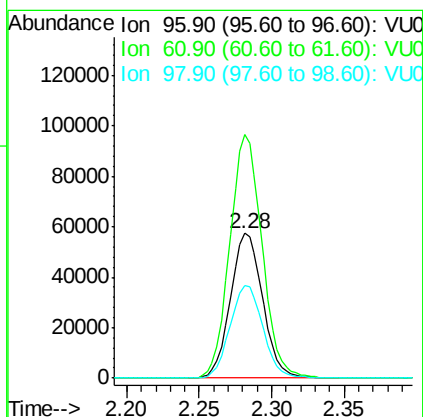
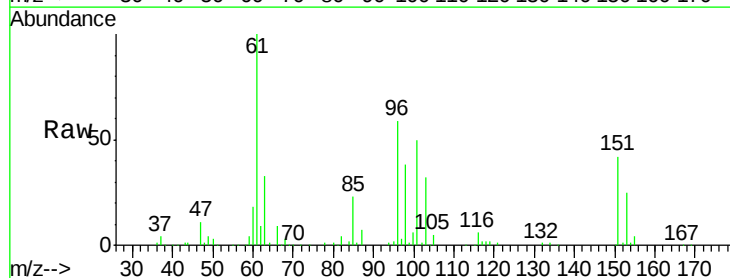
Instrument :
MSVOA_U
ClientSampleId :
BR-1-070518MS

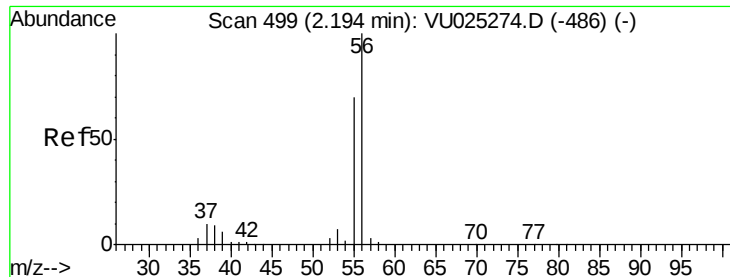
Tot Ion: 59 Resp: 172875
Ion Ratio Lower Upper
59 100
57 9.9 8.2 12.2



#12
1,1-Dichloroethene
Concen: 47.26 ug/l
RT: 2.28 min Scan# 526
Delta R.T. -0.00 min
Lab File: VU025302.D
Acq: 10 Jul 2018 20:33

Tgt Ion: 96 Resp: 88567
Ion Ratio Lower Upper
96 100
61 168.4 140.2 210.4
98 64.4 49.3 73.9





#13

Acrolein

Concen: 161.91 ug/l

RT: 2.19 min Scan# 499

Delta R.T. 0.00 min

Lab File: VU025302.D

Acq: 10 Jul 2018 20:33

Instrument :

MSVOA_U

ClientSampleId :

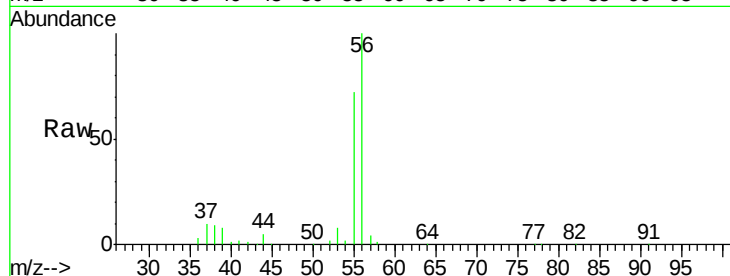
BR-1-070518MS

Tot Ion: 56 Resp: 67118

Ion Ratio Lower Upper

56 100

55 70.4 57.2 85.8



Abundance Ion 56.00 (55.70 to 56.70): VU0

Ion 55.00 (54.70 to 55.70): VU0

2.19

50000

40000

30000

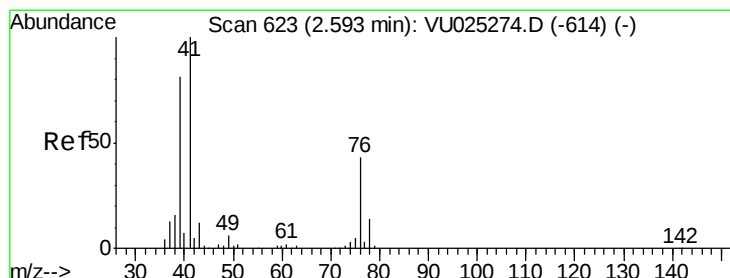
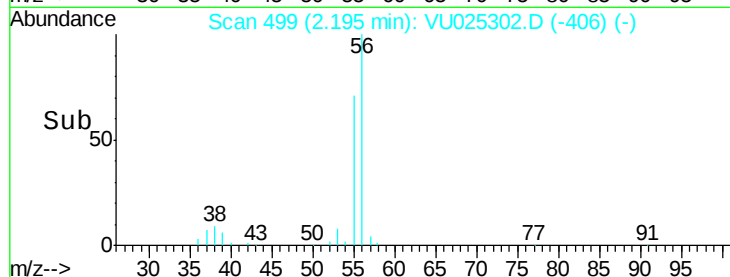
20000

10000

0

Time-->

2.15 2.20 2.25



#14

Allyl chloride

Concen: 45.54 ug/l

RT: 2.59 min Scan# 623

Delta R.T. 0.00 min

Lab File: VU025302.D

Acq: 10 Jul 2018 20:33

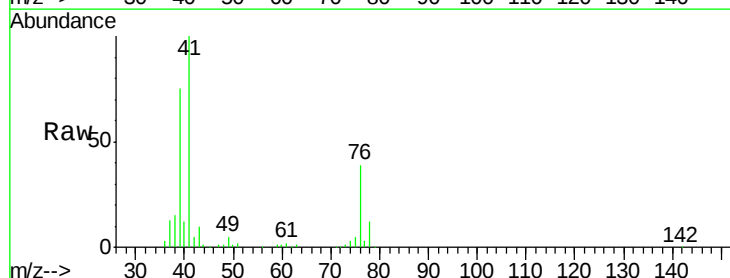
Tgt Ion: 41 Resp: 154778

Ion Ratio Lower Upper

41 100

39 77.2 60.6 91.0

76 38.4 30.5 45.7



Abundance Ion 41.00 (40.70 to 41.70): VU0

Ion 39.00 (38.70 to 39.70): VU0

Ion 75.90 (75.60 to 76.60): VU0

120000

100000

80000

60000

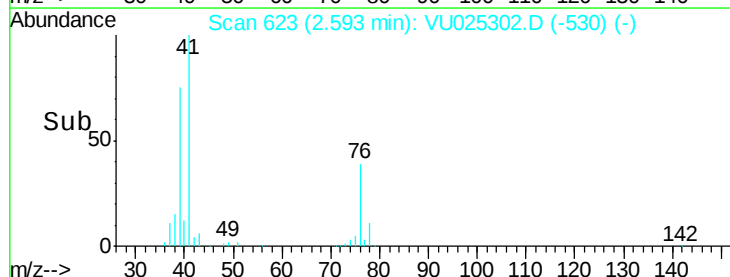
40000

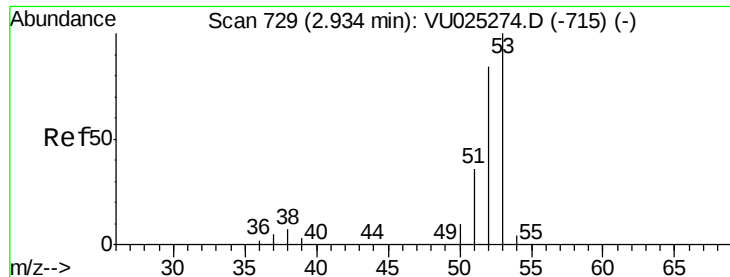
20000

0

Time-->

2.55 2.60 2.65 2.70





#15

Acrylonitrile

Concen: 268.88 ug/l

RT: 2.94 min Scan# 730

Delta R.T. 0.00 min

Lab File: VU025302.D

Acq: 10 Jul 2018 20:33

Instrument :

MSVOA_U

ClientSampleId :

BR-1-070518MS

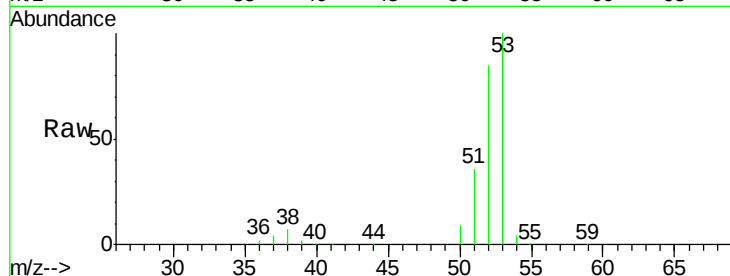
Tot Ion: 53 Resp: 346386

Ion Ratio Lower Upper

53 100

52 83.2 66.6 99.8

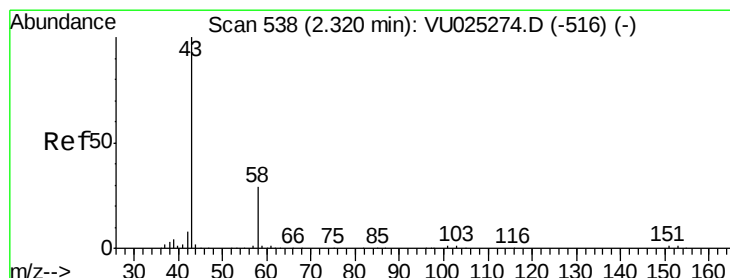
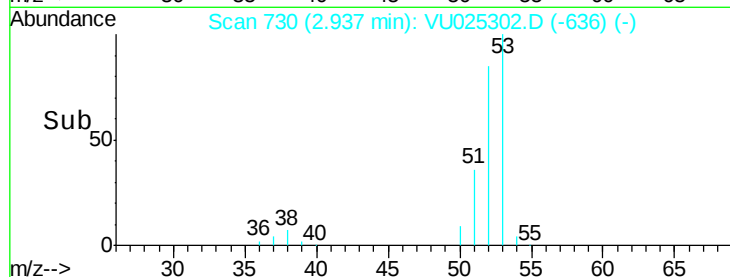
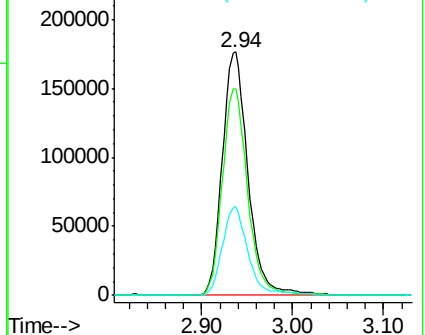
51 36.5 29.4 44.2



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: 223.90 ug/l

RT: 2.32 min Scan# 539

Delta R.T. 0.00 min

Lab File: VU025302.D

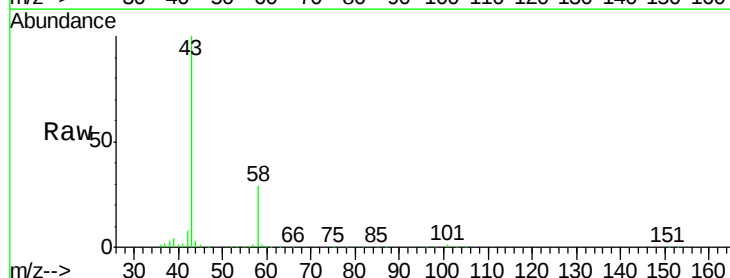
Acq: 10 Jul 2018 20:33

Tgt Ion: 43 Resp: 327419

Ion Ratio Lower Upper

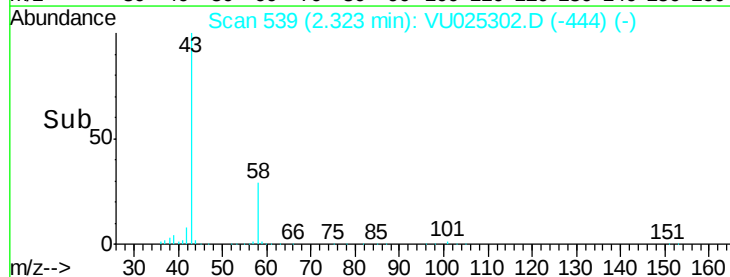
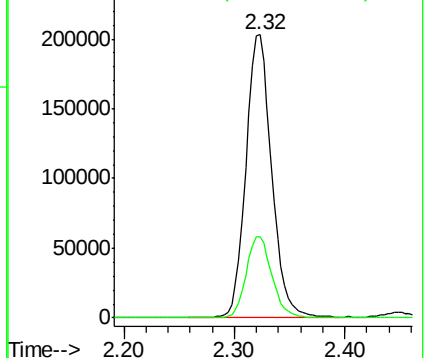
43 100

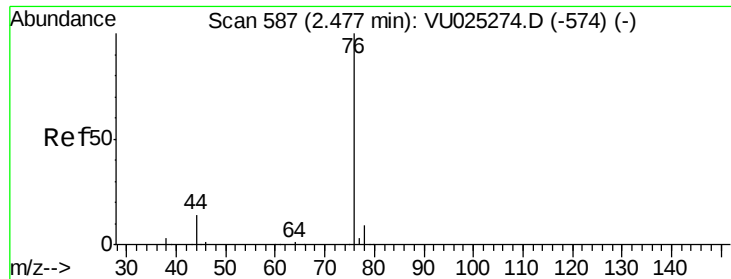
58 28.9 23.1 34.7



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0

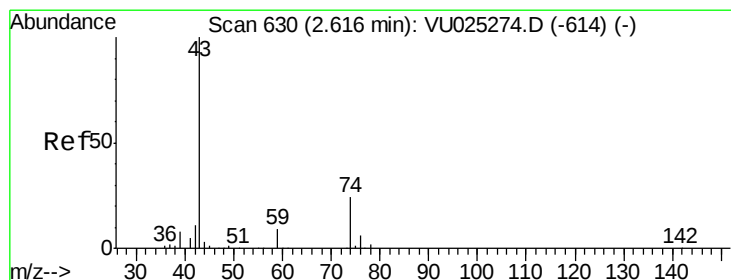
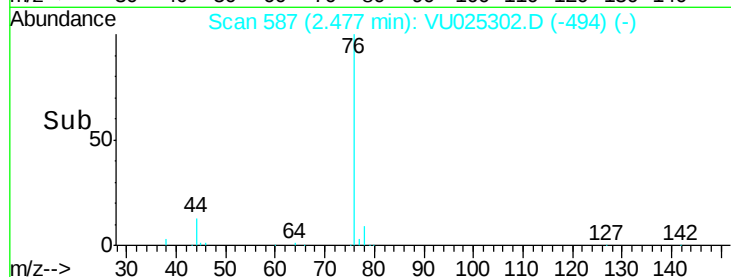
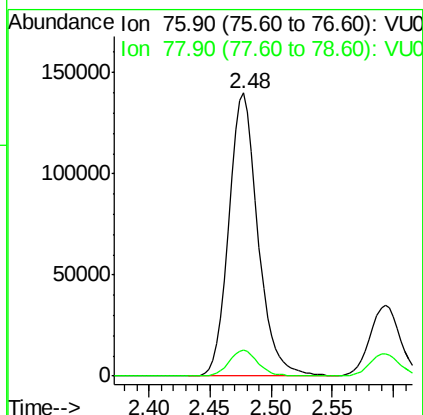
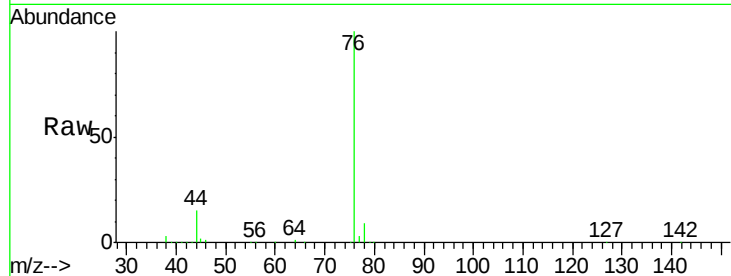




#17
Carbon Disulfide
Concen: 43.03 ug/l
RT: 2.48 min Scan# 587
Delta R.T. 0.00 min
Lab File: VU025302.D
Acq: 10 Jul 2018 20:33

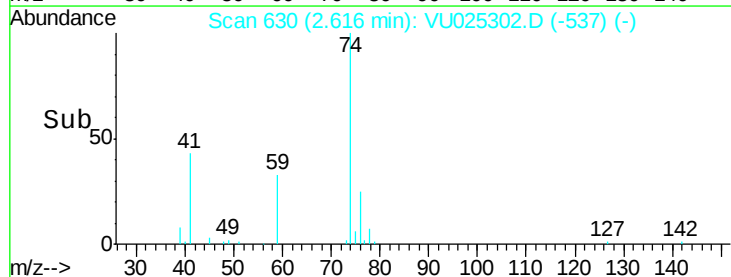
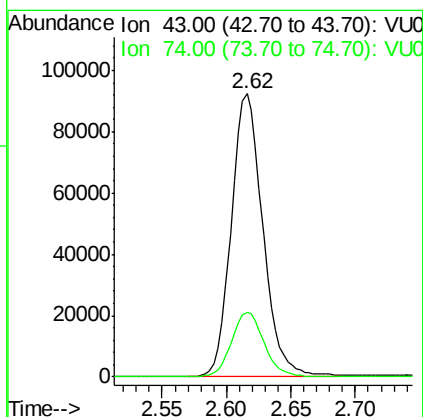
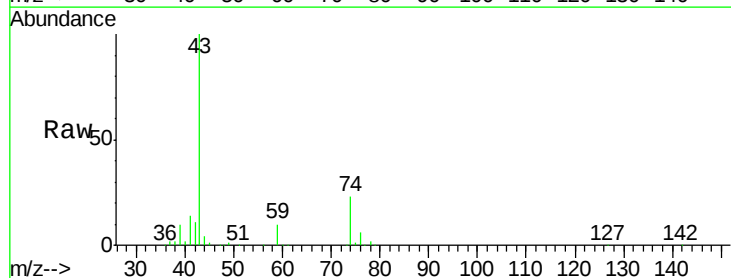
Instrument :
MSVOA_U
ClientSampleId :
BR-1-070518MS

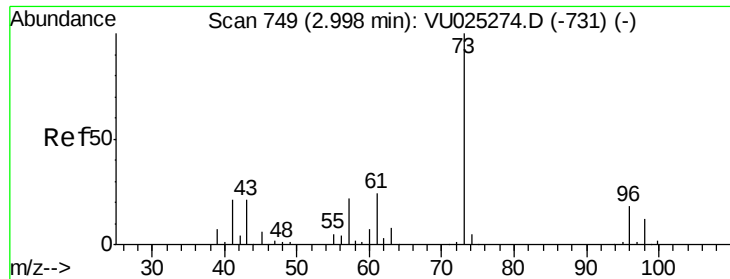
Tot Ion: 76 Resp: 234105
Ion Ratio Lower Upper
76 100
78 9.1 7.4 11.2



#18
Methyl Acetate
Concen: 53.15 ug/l
RT: 2.62 min Scan# 630
Delta R.T. 0.00 min
Lab File: VU025302.D
Acq: 10 Jul 2018 20:33

Tgt Ion: 43 Resp: 156294
Ion Ratio Lower Upper
43 100
74 23.8 18.5 27.7

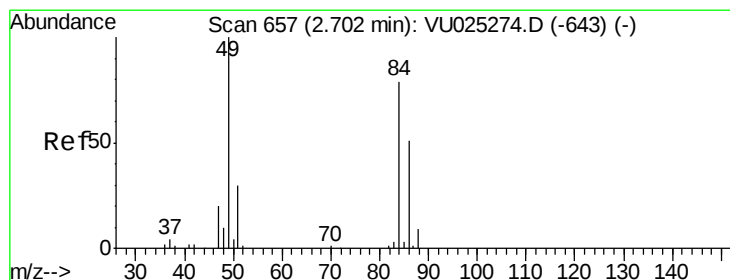
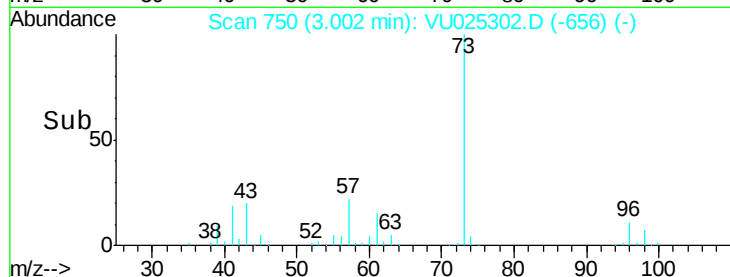
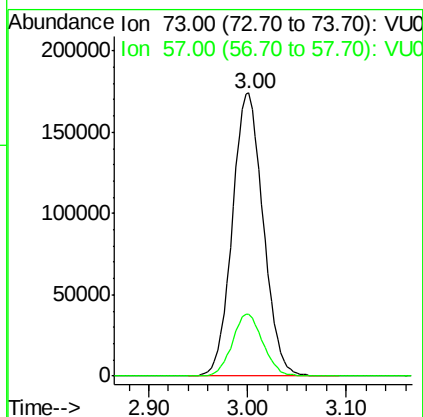
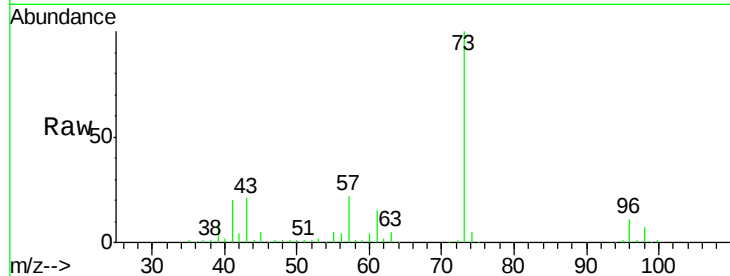




#19
Methvl tert-butvl Ether
Concen: 53.20 ug/l
RT: 3.00 min Scan# 750
Delta R.T. 0.00 min
Lab File: VU025302.D
Acq: 10 Jul 2018 20:33

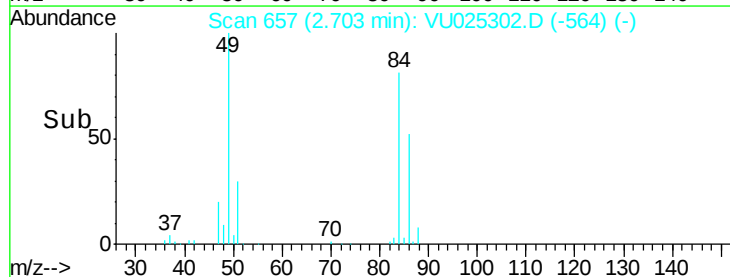
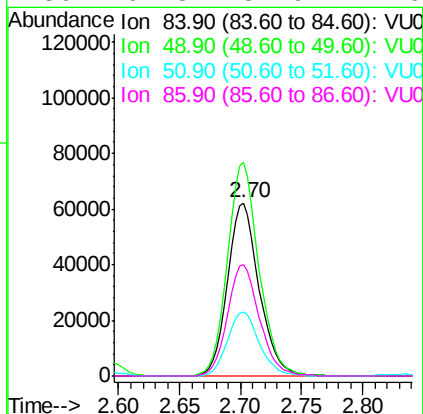
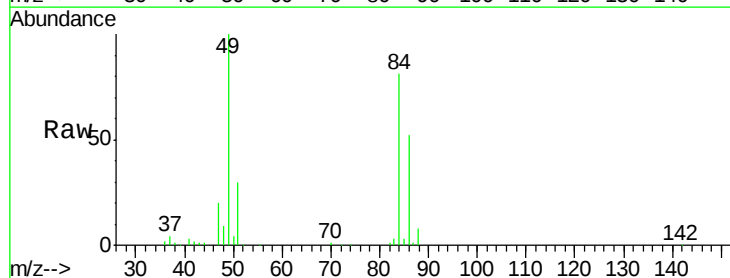
Instrument :
MSVOA_U
ClientSampleId :
BR-1-070518MS

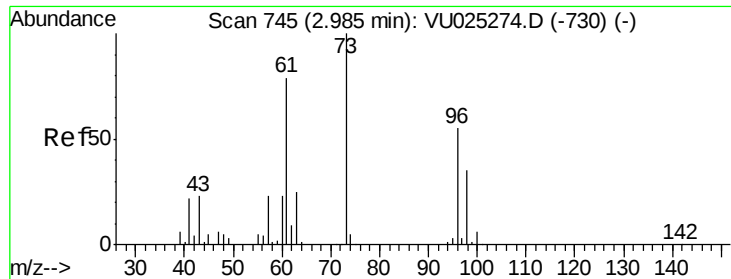
Tot Ion: 73 Resp: 379241
Ion Ratio Lower Upper
73 100
57 21.8 17.4 26.2



#20
Methylene Chloride
Concen: 50.65 ug/l
RT: 2.70 min Scan# 657
Delta R.T. 0.00 min
Lab File: VU025302.D
Acq: 10 Jul 2018 20:33

Tgt Ion: 84 Resp: 112565
Ion Ratio Lower Upper
84 100
49 123.4 101.8 152.6
51 37.2 30.8 46.2
86 64.3 51.9 77.9





#21

trans-1,2-Dichloroethene

Concen: 46.73 ug/l

RT: 2.98 min Scan# 744

Delta R.T. -0.00 min

Lab File: VU025302.D

Acq: 10 Jul 2018 20:33

Instrument :

MSVOA_U

ClientSampleId :

BR-1-070518MS

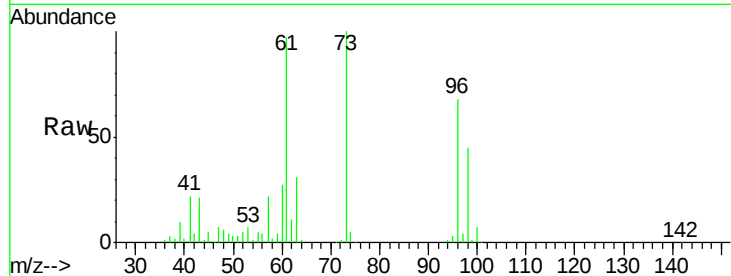
Tot Ion: 96 Resp: 100088

Ion Ratio Lower Upper

96 100

61 141.9 114.5 171.7

98 65.7 50.5 75.7

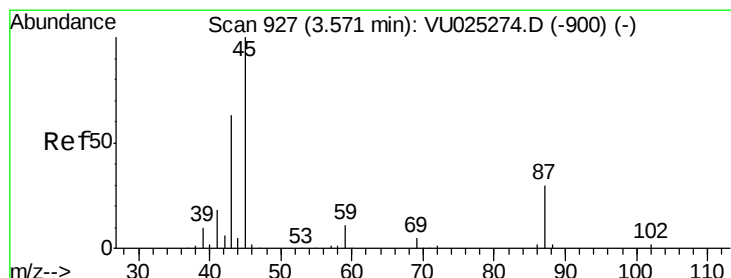
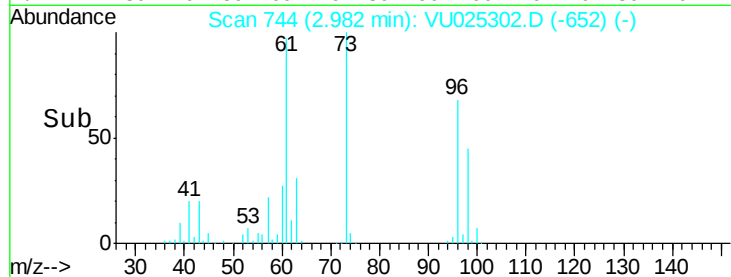
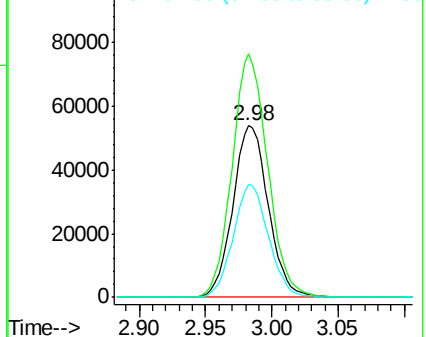


Abundance

Ion 95.90 (95.60 to 96.60): VU0

Ion 60.90 (60.60 to 61.60): VU0

Ion 97.90 (97.60 to 98.60): VU0



#22

Diisopropyl ether

Concen: 51.57 ug/l

RT: 3.57 min Scan# 928

Delta R.T. 0.00 min

Lab File: VU025302.D

Acq: 10 Jul 2018 20:33

Tgt Ion: 45 Resp: 357940

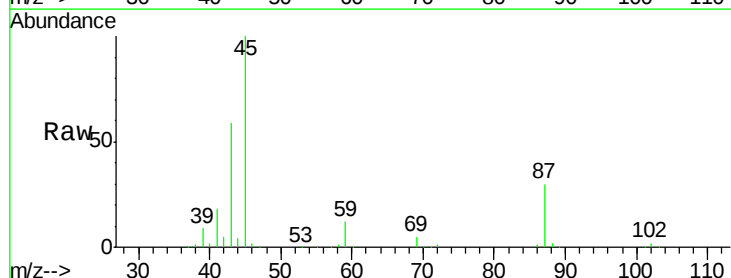
Ion Ratio Lower Upper

45 100

43 57.7 50.9 76.3

87 29.9 23.8 35.8

59 11.7 9.0 13.4



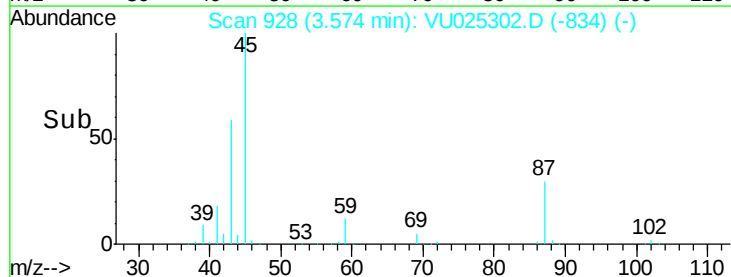
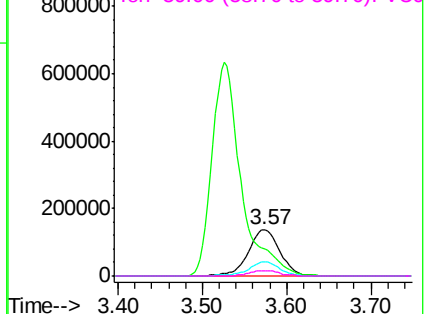
Abundance

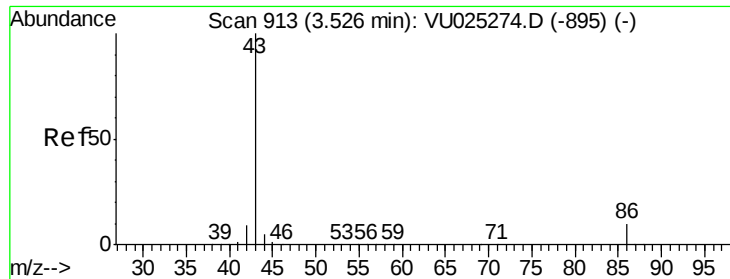
Ion 45.00 (44.70 to 45.70): VU0

Ion 43.00 (42.70 to 43.70): VU0

Ion 87.00 (86.70 to 87.70): VU0

Ion 59.00 (58.70 to 59.70): VU0

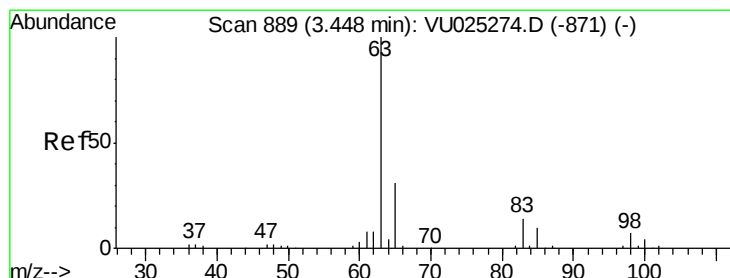
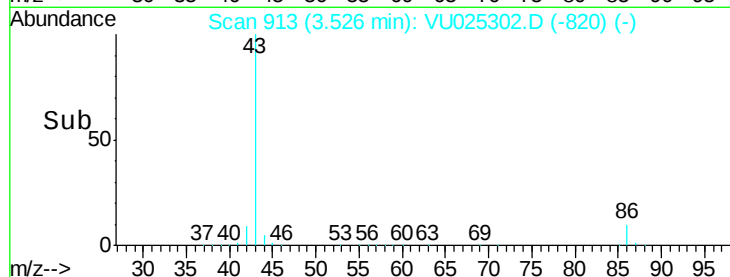
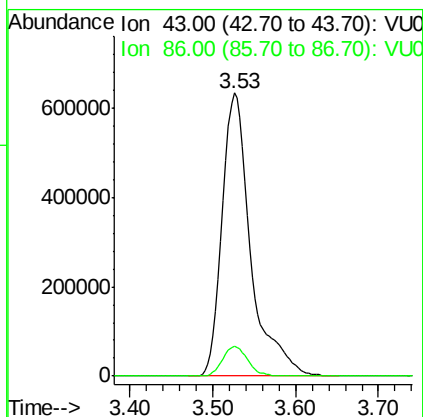
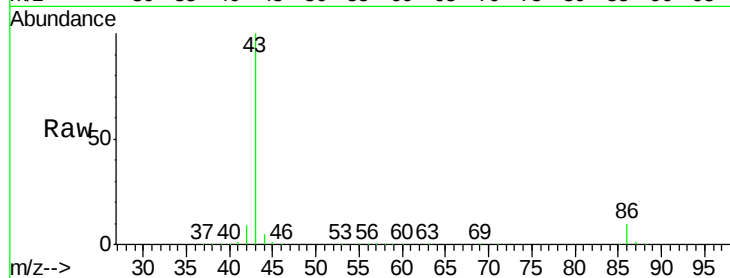




#23
 Vinyl Acetate
 Concen: 250.68 ug/l
 RT: 3.53 min Scan# 913
 Delta R.T. 0.00 min
 Lab File: VU025302.D
 Acq: 10 Jul 2018 20:33

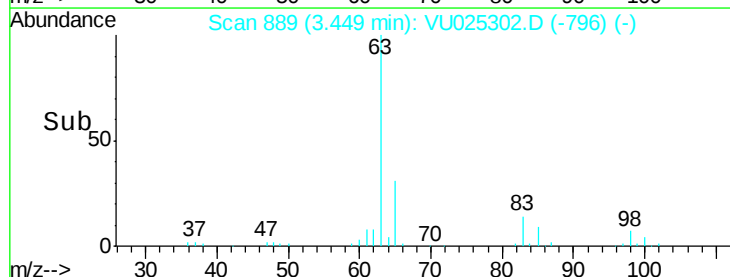
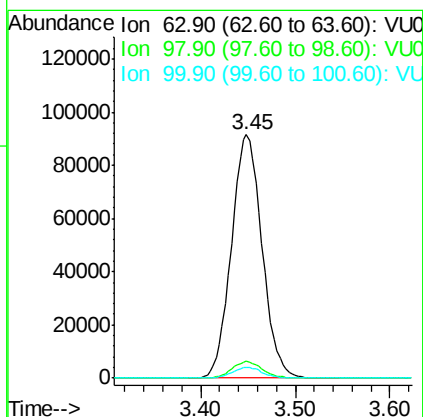
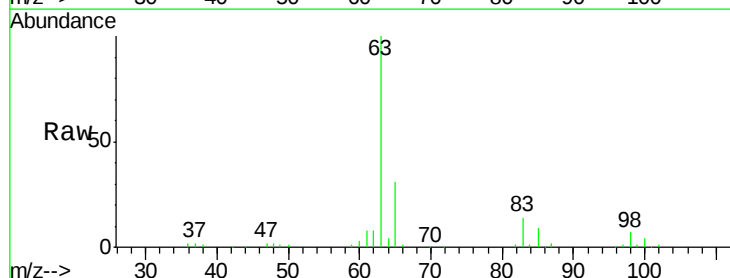
Instrument :
 MSVOA_U
 ClientSampleId :
 BR-1-070518MS

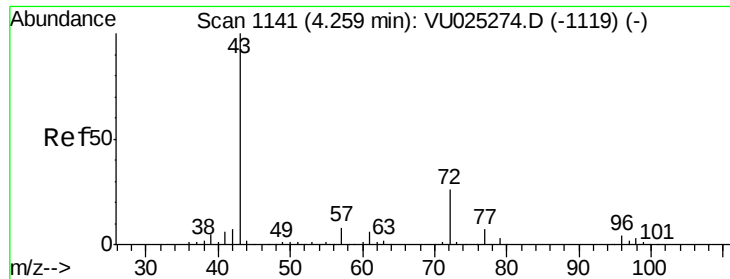
Tot Ion: 43 Resp: 1526377
 Ion Ratio Lower Upper
 43 100
 86 10.5 8.2 12.2



#24
 1,1-Dichloroethane
 Concen: 52.56 ug/l
 RT: 3.45 min Scan# 889
 Delta R.T. 0.00 min
 Lab File: VU025302.D
 Acq: 10 Jul 2018 20:33

Tgt Ion: 63 Resp: 205748
 Ion Ratio Lower Upper
 63 100
 98 6.8 3.4 10.1
 100 4.3 2.0 6.0





#25

2-Butanone

Concen: 251.37 ug/l

RT: 4.26 min Scan# 1142

Delta R.T. 0.00 min

Lab File: VU025302.D

Acq: 10 Jul 2018 20:33

Instrument :

MSVOA_U

ClientSampleId :

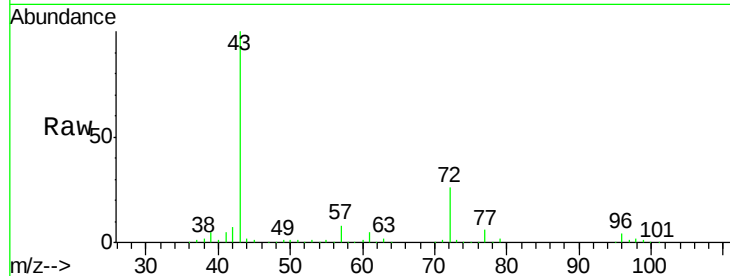
BR-1-070518MS

Tot Ion: 43 Resp: 500453

Ion Ratio Lower Upper

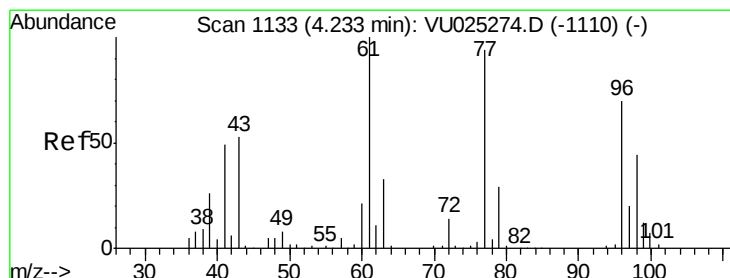
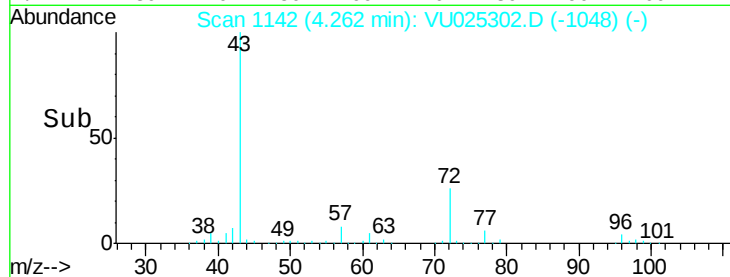
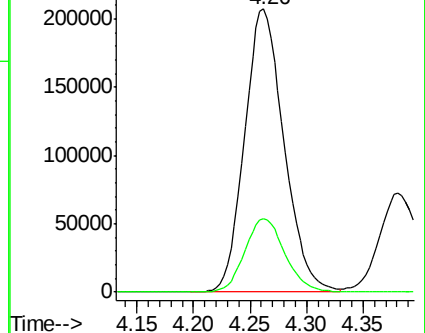
43 100

72 26.2 21.0 31.4



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 72.00 (71.70 to 72.70): VU0



#26

2,2-Dichloropropane

Concen: 41.63 ug/l

RT: 4.23 min Scan# 1132

Delta R.T. -0.00 min

Lab File: VU025302.D

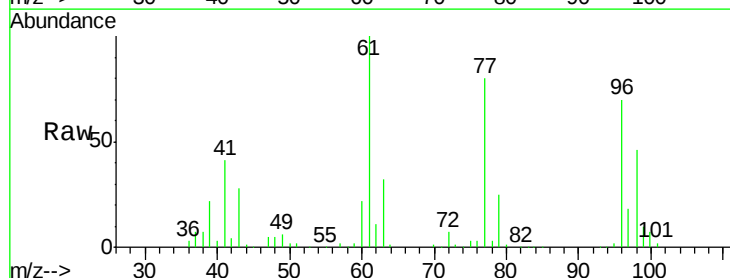
Acq: 10 Jul 2018 20:33

Tgt Ion: 77 Resp: 156675

Ion Ratio Lower Upper

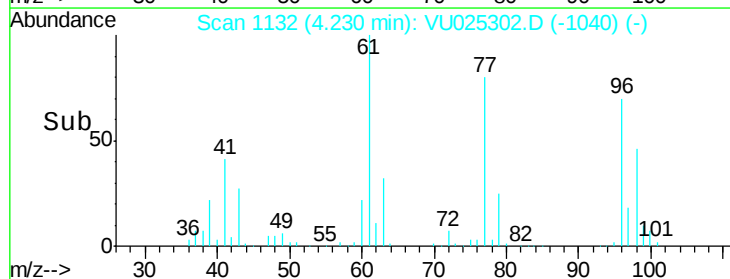
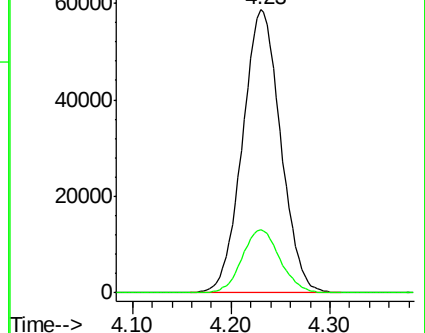
77 100

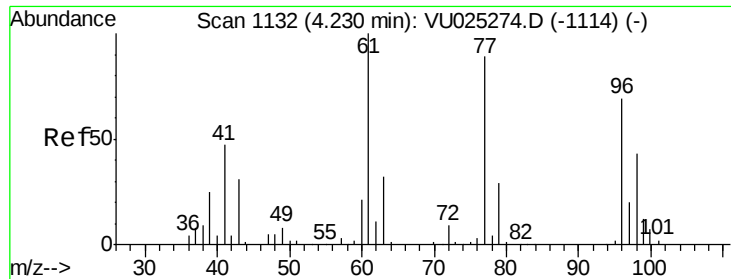
97 22.2 11.2 33.5



Abundance Ion 76.90 (76.60 to 77.60): VU0

Ion 96.90 (96.60 to 97.60): VU0

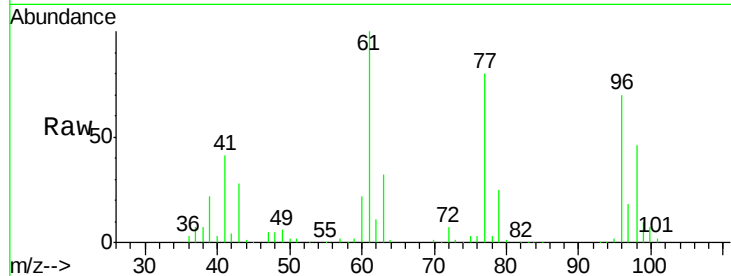




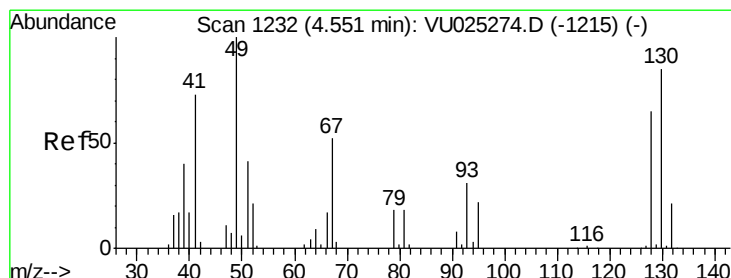
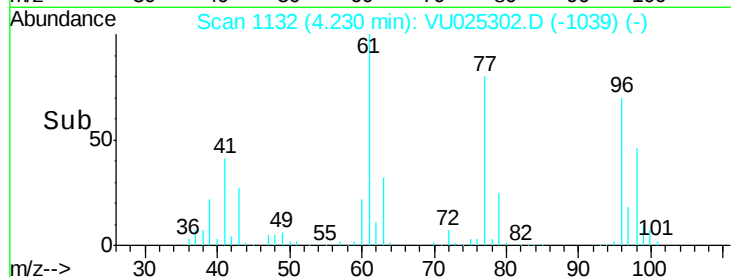
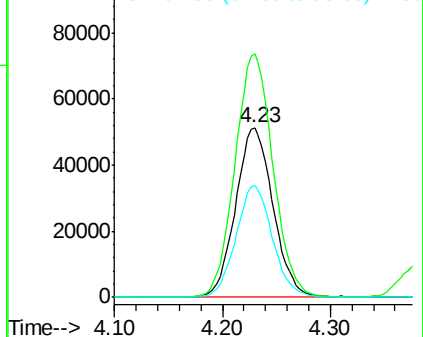
#27
 cis-1,2-Dichloroethene
 Concen: 49.87 ug/l
 RT: 4.23 min Scan# 1132
 Delta R.T. 0.00 min
 Lab File: VU025302.D
 Acq: 10 Jul 2018 20:33

Instrument :
 MSVOA_U
 ClientSampleId :
 BR-1-070518MS

Tot Ion	Ratio	Lower	Upper
96	100		
61	146.5	0.0	299.8
98	64.6	0.0	128.6

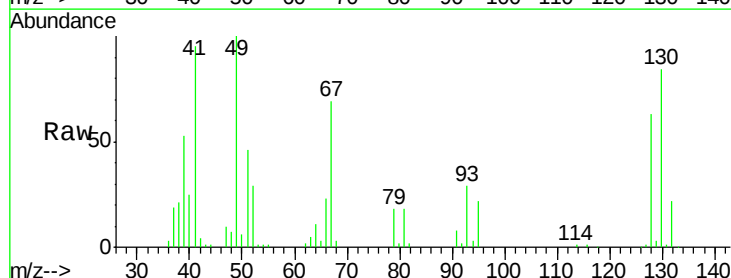


Abundance Ion 95.90 (95.60 to 96.60): VU0
 Ion 60.90 (60.60 to 61.60): VU0
 Ion 97.90 (97.60 to 98.60): VU0

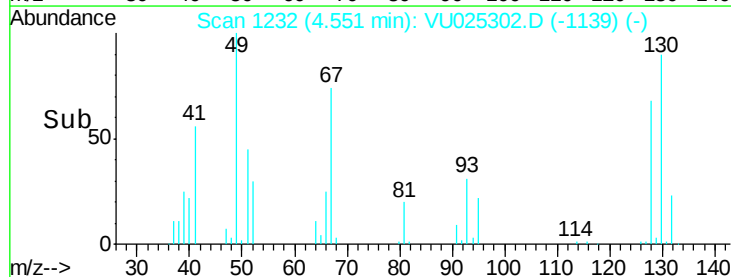
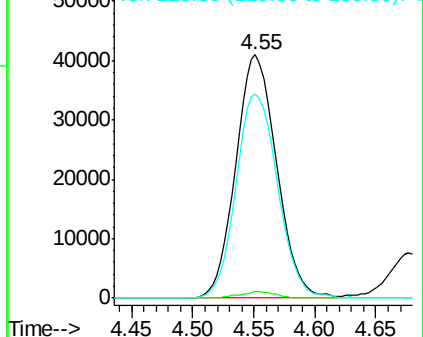


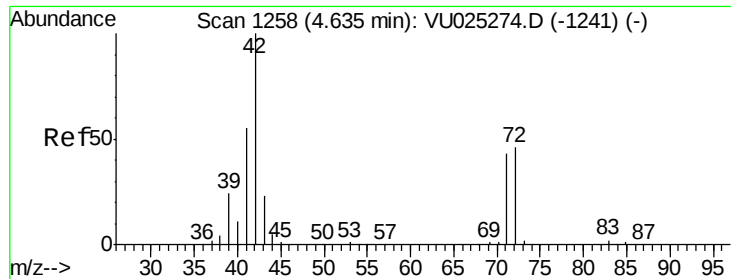
#28
 Bromochloromethane
 Concen: 50.31 ug/l
 RT: 4.55 min Scan# 1232
 Delta R.T. 0.00 min
 Lab File: VU025302.D
 Acq: 10 Jul 2018 20:33

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.3	0.0	4.6
130	85.3	68.6	102.8



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





#29

Tetrahydrofuran

Concen: 263.73 ug/l

RT: 4.63 min Scan# 1258

Delta R.T. 0.00 min

Lab File: VU025302.D

Acq: 10 Jul 2018 20:33

Instrument :

MSVOA_U

ClientSampleId :

BR-1-070518MS

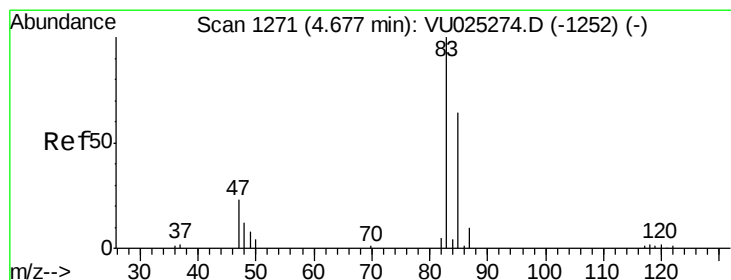
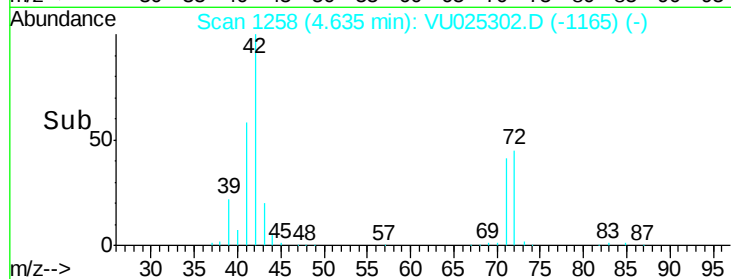
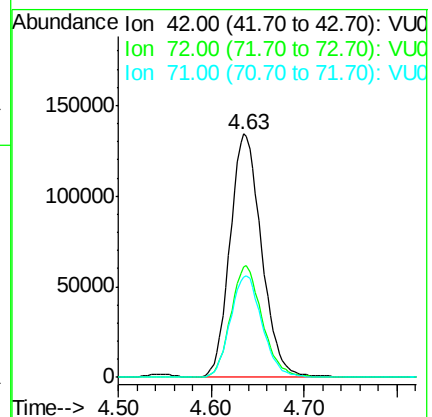
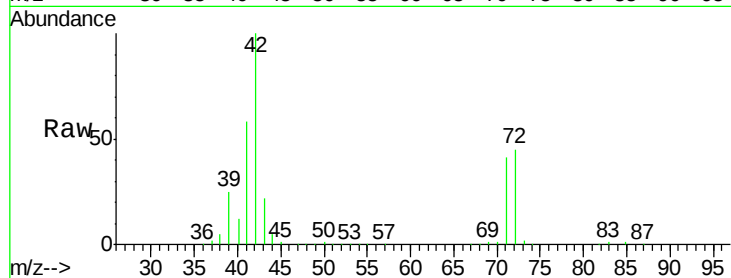
Tot Ion: 42 Resp: 314932

Ion Ratio Lower Upper

42 100

72 46.0 36.7 55.1

71 42.3 33.9 50.9



#30

Chloroform

Concen: 52.03 ug/l

RT: 4.68 min Scan# 1271

Delta R.T. 0.00 min

Lab File: VU025302.D

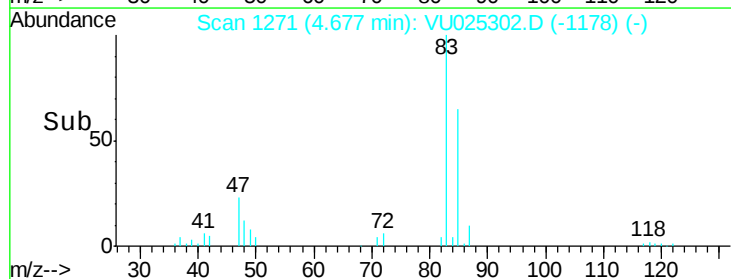
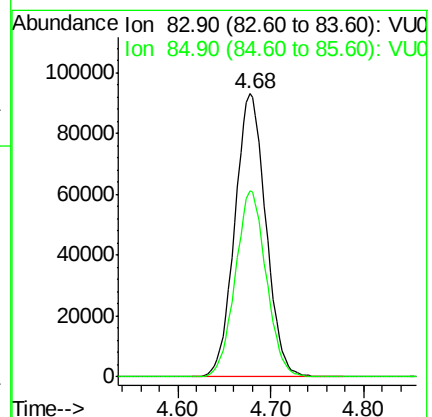
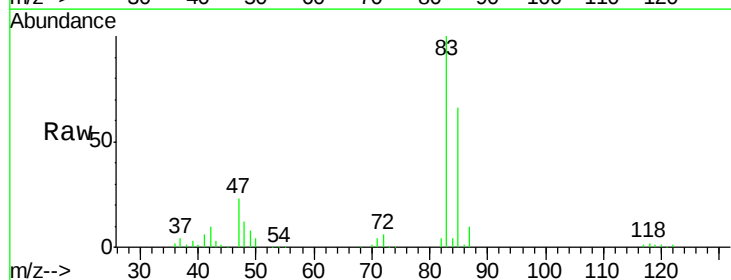
Acq: 10 Jul 2018 20:33

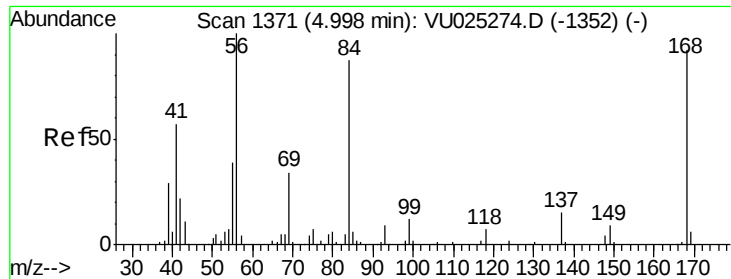
Tgt Ion: 83 Resp: 215692

Ion Ratio Lower Upper

83 100

85 65.8 51.5 77.3

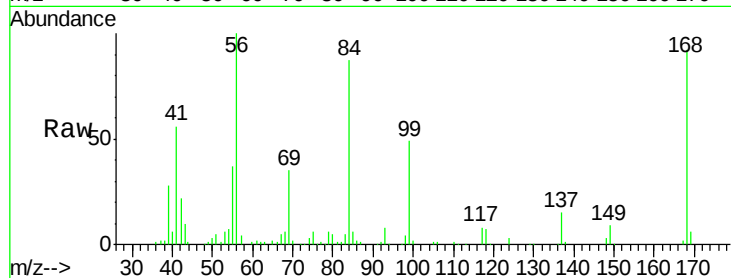




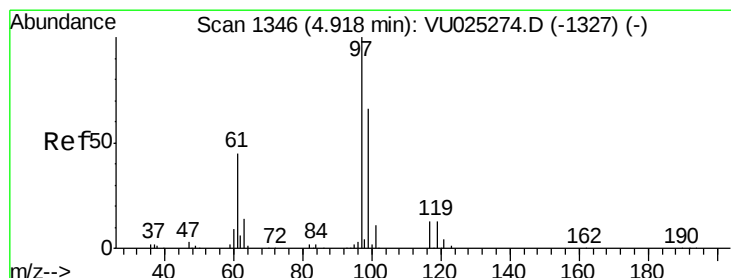
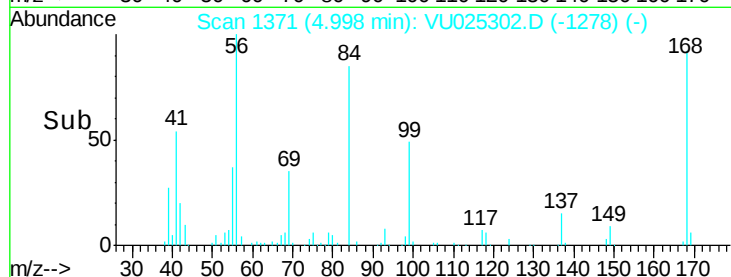
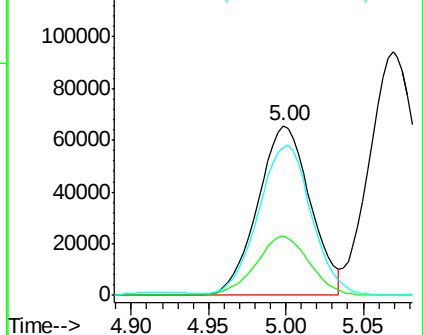
#31
Cyclohexane
Concen: 42.85 ug/l
RT: 5.00 min Scan# 1371
Delta R.T. 0.00 min
Lab File: VU025302.D
Acq: 10 Jul 2018 20:33

Instrument :
MSVOA_U
ClientSampleId :
BR-1-070518MS

Tot Ion: 56 Resp: 155072
Ion Ratio Lower Upper
56 100
69 34.6 26.8 40.2
84 86.2 69.7 104.5

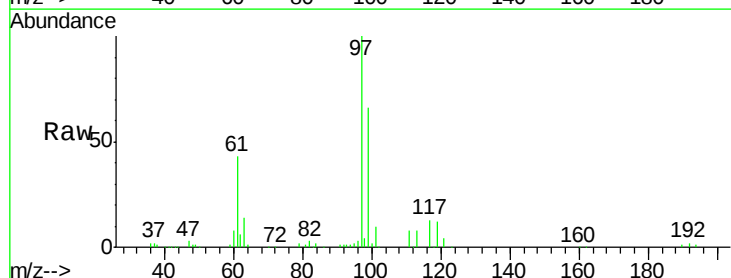


Abundance Ion 56.00 (55.70 to 56.70): VU0
Ion 69.00 (68.70 to 69.70): VU0
Ion 84.00 (83.70 to 84.70): VU0

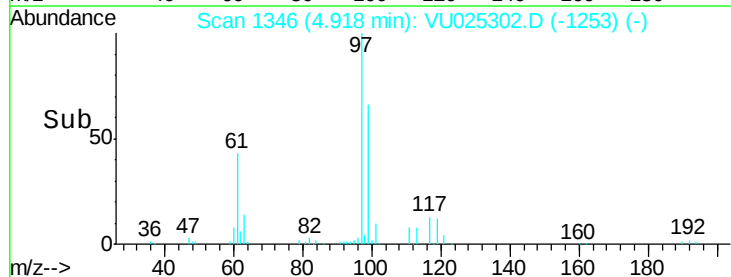
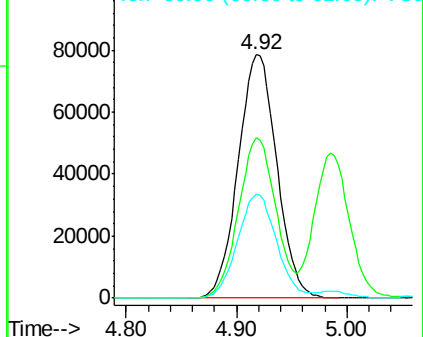


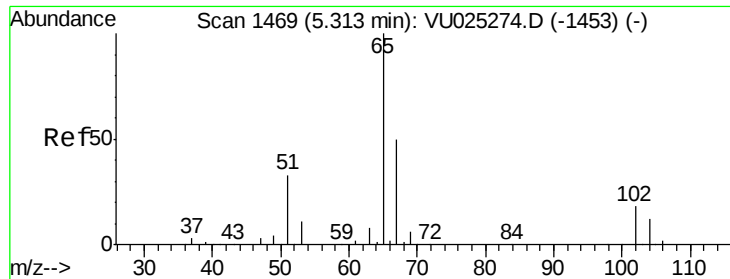
#32
1,1,1-Trichloroethane
Concen: 50.73 ug/l
RT: 4.92 min Scan# 1346
Delta R.T. 0.00 min
Lab File: VU025302.D
Acq: 10 Jul 2018 20:33

Tgt Ion: 97 Resp: 190582
Ion Ratio Lower Upper
97 100
99 63.7 50.8 76.2
61 43.1 35.2 52.8



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

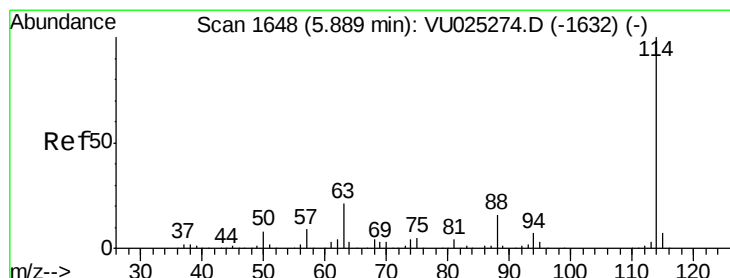
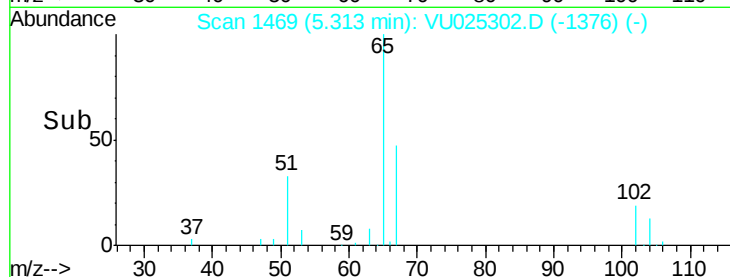
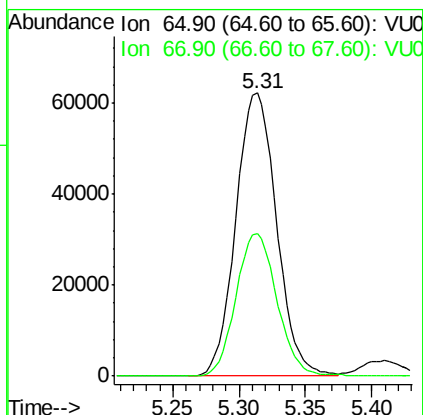
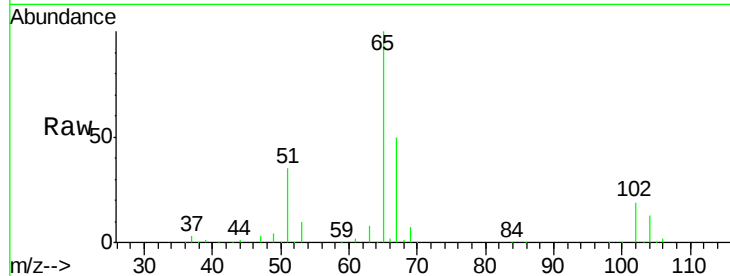




#33
 1,2-Dichloroethane-d4
 Concen: 46.31 ug/l
 RT: 5.31 min Scan# 1469
 Delta R.T. 0.00 min
 Lab File: VU025302.D
 Acq: 10 Jul 2018 20:33

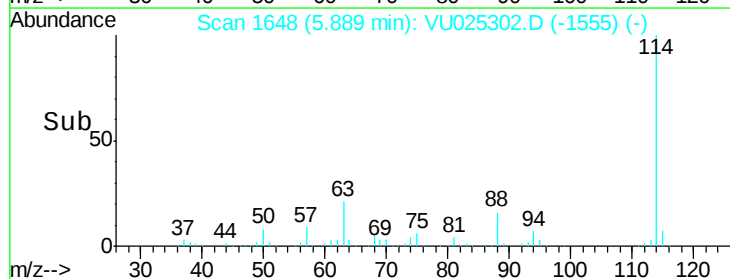
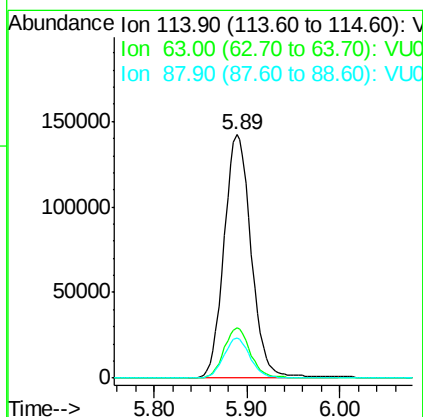
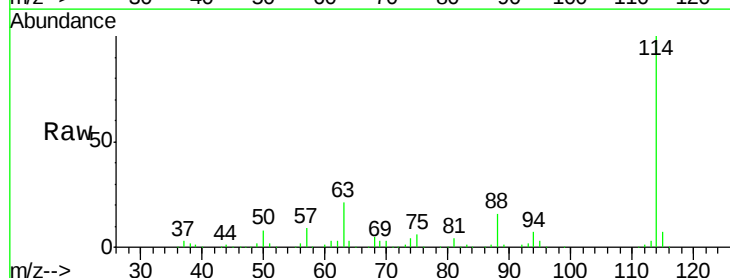
Instrument :
 MSVOA_U
 ClientSampleId :
 BR-1-070518MS

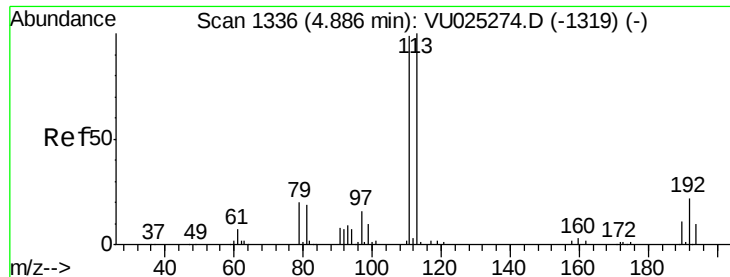
Tot Ion: 65 Resp: 133005
 Ion Ratio Lower Upper
 65 100
 67 50.4 0.0 103.6



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 5.89 min Scan# 1648
 Delta R.T. 0.00 min
 Lab File: VU025302.D
 Acq: 10 Jul 2018 20:33

Tgt Ion: 114 Resp: 289114
 Ion Ratio Lower Upper
 114 100
 63 20.7 0.0 41.6
 88 16.4 0.0 32.4

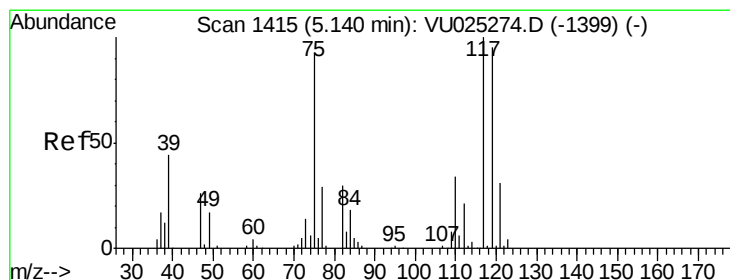
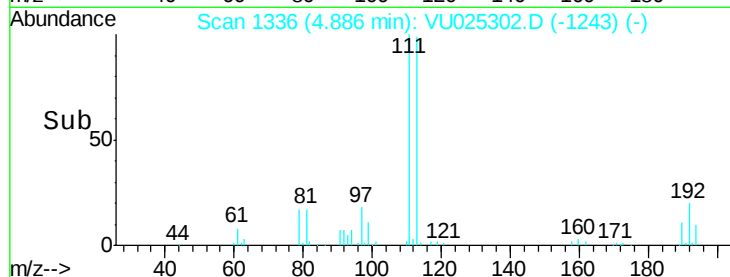
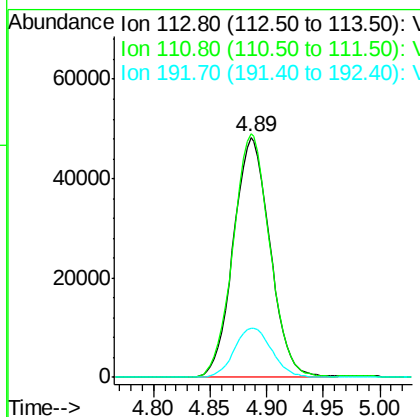
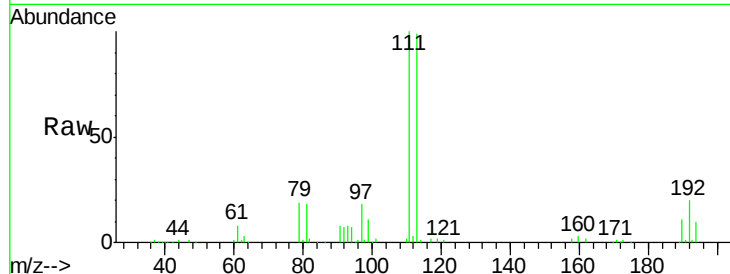




#35
 Dibromofluoromethane
 Concen: 44.67 ug/l
 RT: 4.89 min Scan# 1336
 Delta R.T. 0.00 min
 Lab File: VU025302.D
 Acq: 10 Jul 2018 20:33

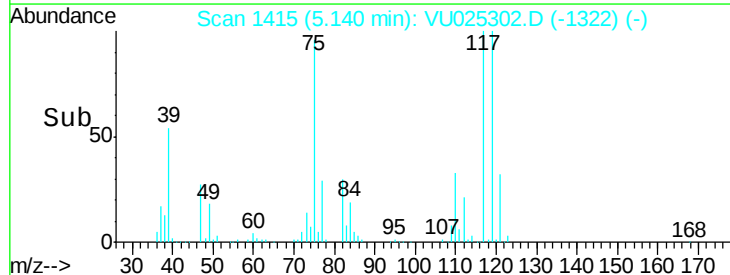
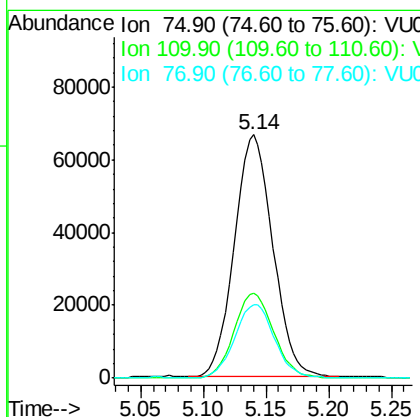
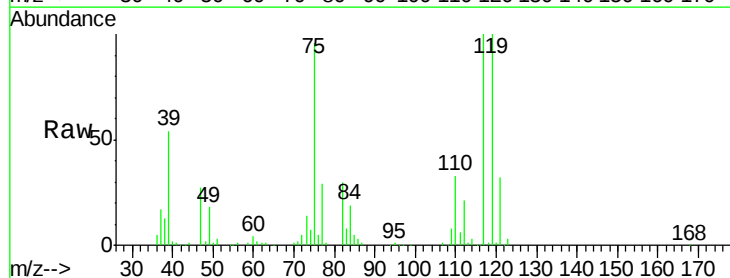
Instrument :
 MSVOA_U
 ClientSampleId :
 BR-1-070518MS

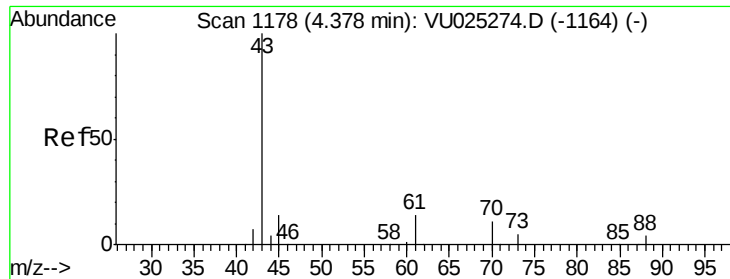
Tot Ion:113 Resp: 108942
 Ion Ratio Lower Upper
 113 100
 111 101.2 81.7 122.5
 192 21.0 17.1 25.7



#36
 1,1-Dichloropropene
 Concen: 44.18 ug/l
 RT: 5.14 min Scan# 1415
 Delta R.T. 0.00 min
 Lab File: VU025302.D
 Acq: 10 Jul 2018 20:33

Tgt Ion: 75 Resp: 141994
 Ion Ratio Lower Upper
 75 100
 110 36.2 17.6 52.9
 77 31.6 24.4 36.6

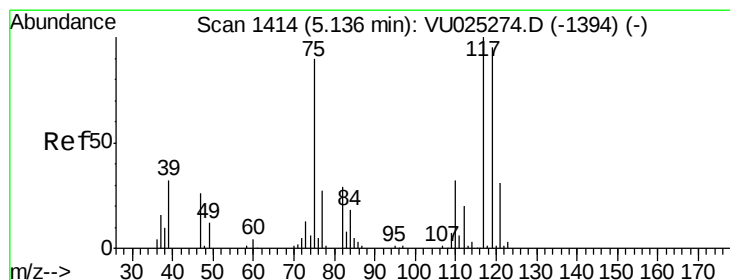
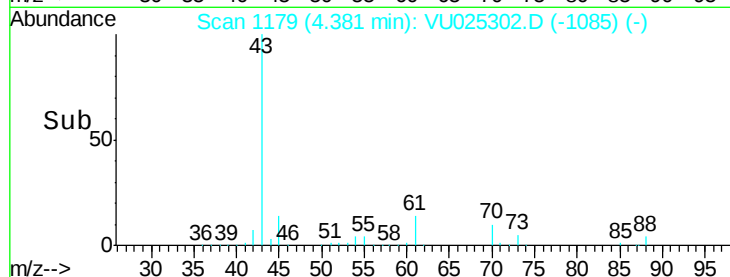
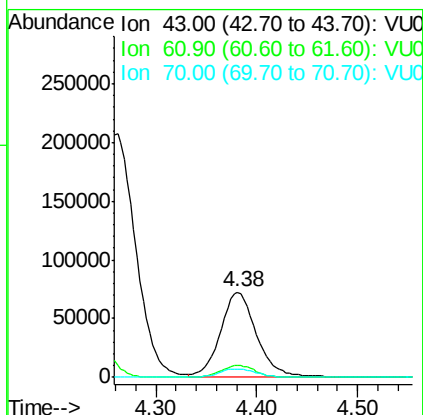
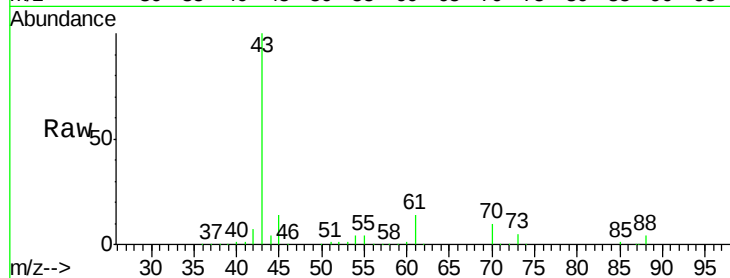




#37
Ethyl Acetate
Concen: 49.60 ug/l
RT: 4.38 min Scan# 1179
Delta R.T. 0.00 min
Lab File: VU025302.D
Acq: 10 Jul 2018 20:33

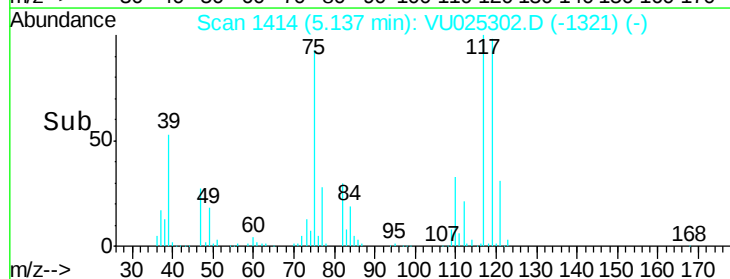
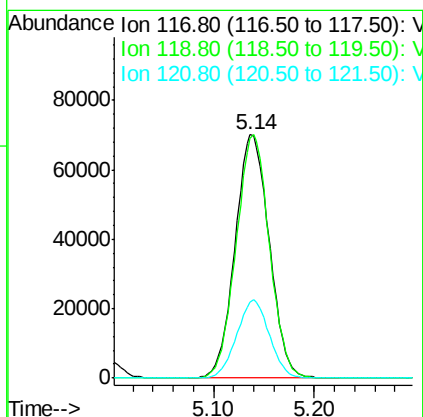
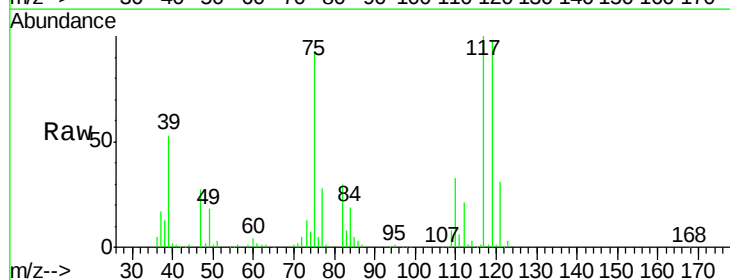
Instrument :
MSVOA_U
ClientSampleId :
BR-1-070518MS

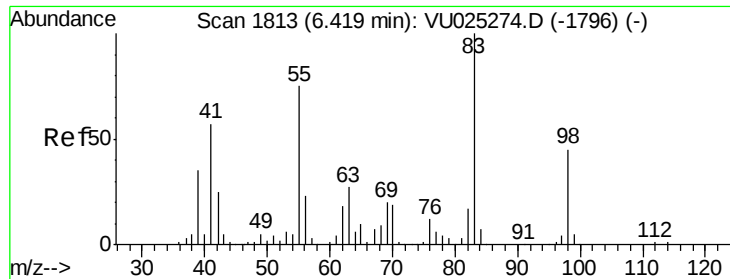
Tot Ion: 43 Resp: 177790
Ion Ratio Lower Upper
43 100
61 13.2 10.7 16.1
70 10.6 8.4 12.6



#38
Carbon Tetrachloride
Concen: 47.61 ug/l
RT: 5.14 min Scan# 1414
Delta R.T. 0.00 min
Lab File: VU025302.D
Acq: 10 Jul 2018 20:33

Tgt Ion: 117 Resp: 164716
Ion Ratio Lower Upper
117 100
119 98.2 75.7 113.5
121 31.4 24.6 36.8

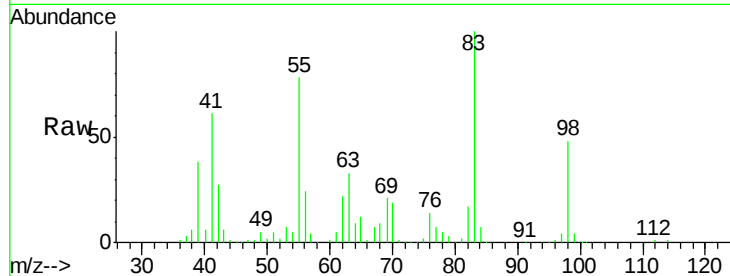




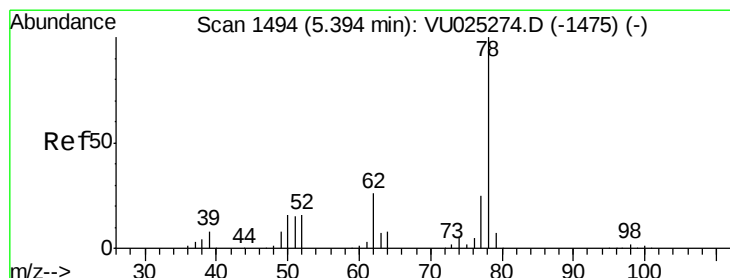
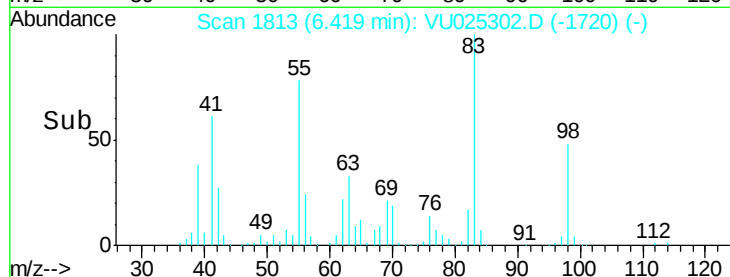
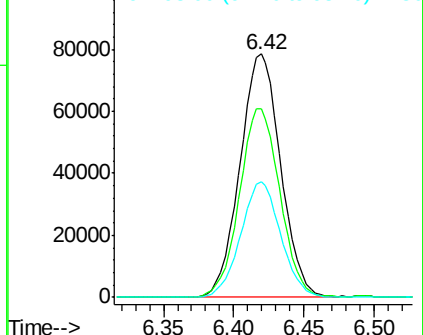
#39
Methvlcvclohexane
Concen: 39.50 ug/l
RT: 6.42 min Scan# 1813
Delta R.T. 0.00 min
Lab File: VU025302.D
Acq: 10 Jul 2018 20:33

Instrument :
MSVOA_U
ClientSampleId :
BR-1-070518MS

Tot Ion: 83 Resp: 158348
Ion Ratio Lower Upper
83 100
55 77.5 60.0 90.0
98 47.7 36.1 54.1

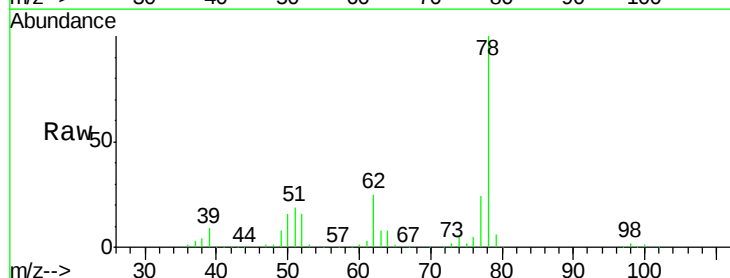


Abundance Ion 83.00 (82.70 to 83.70): VU0
Ion 55.00 (54.70 to 55.70): VU0
Ion 98.00 (97.70 to 98.70): VU0

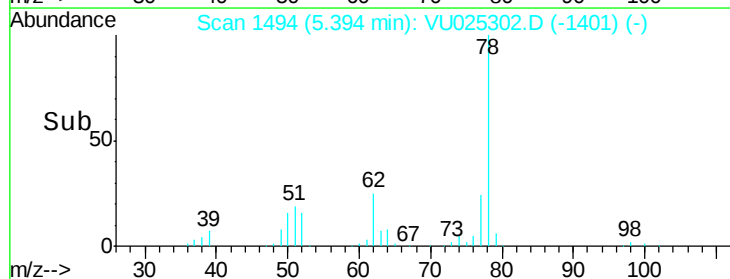
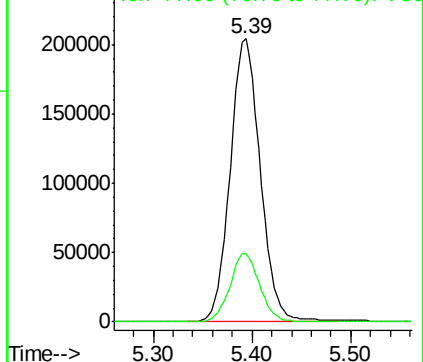


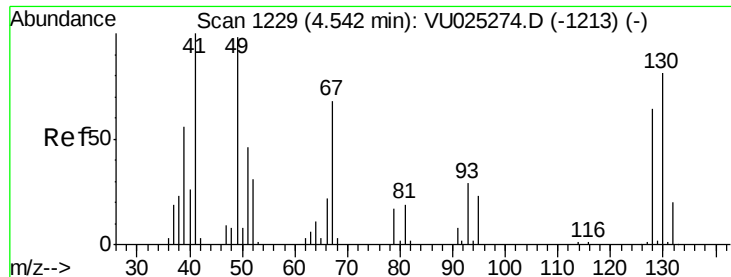
#40
Benzene
Concen: 46.97 ug/l
RT: 5.39 min Scan# 1494
Delta R.T. 0.00 min
Lab File: VU025302.D
Acq: 10 Jul 2018 20:33

Tgt Ion: 78 Resp: 435039
Ion Ratio Lower Upper
78 100
77 24.2 19.8 29.6



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

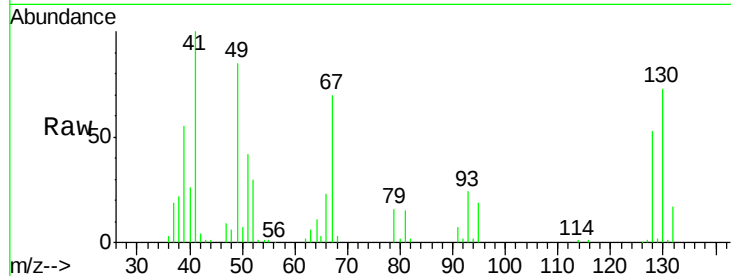




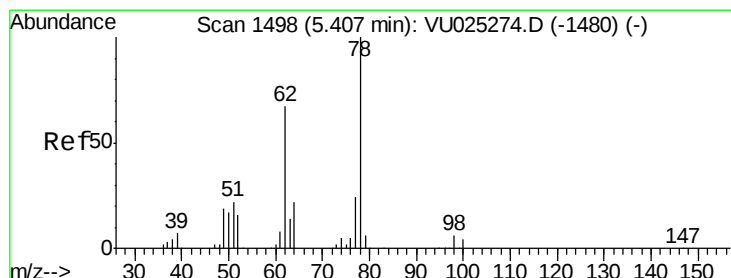
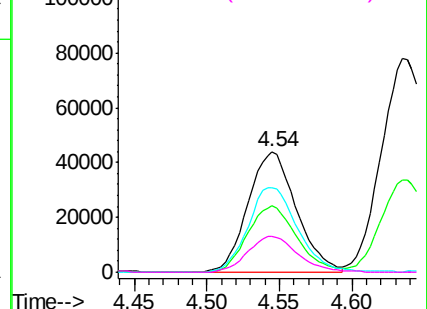
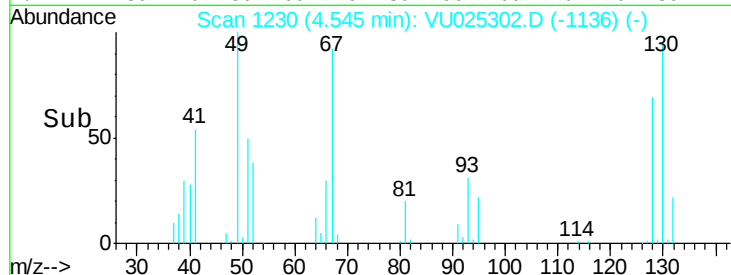
#41
Methacrylonitrile
Concen: 51.36 ug/l
RT: 4.54 min Scan# 1230
Delta R.T. 0.00 min
Lab File: VU025302.D
Acq: 10 Jul 2018 20:33

Instrument :
MSVOA_U
ClientSampleId :
BR-1-070518MS

Tot Ion: 41 Resp: 102071
Ion Ratio Lower Upper
41 100
39 56.2 44.4 66.6
67 72.3 56.0 84.0
52 30.9 24.6 36.8

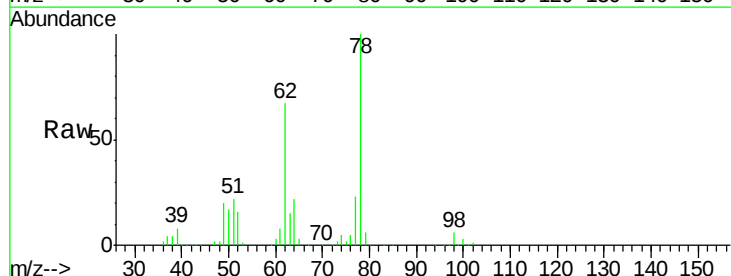


Abundance Ion 41.00 (40.70 to 41.70): VU0
Ion 39.00 (38.70 to 39.70): VU0
Ion 67.00 (66.70 to 67.70): VU0
Ion 52.00 (51.70 to 52.70): VU0

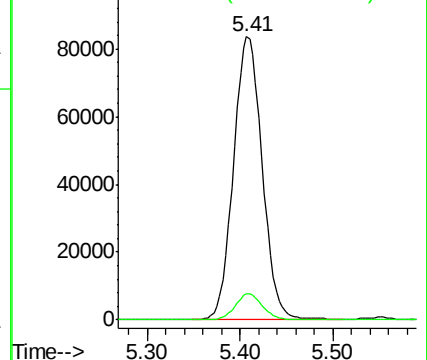
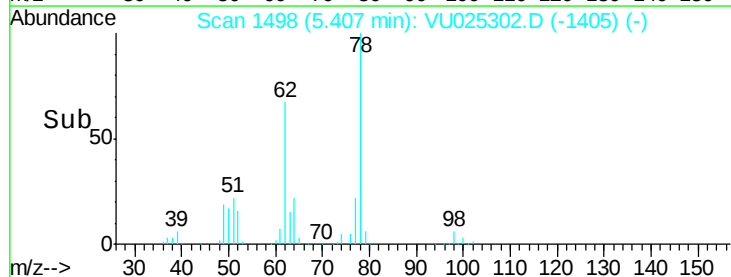


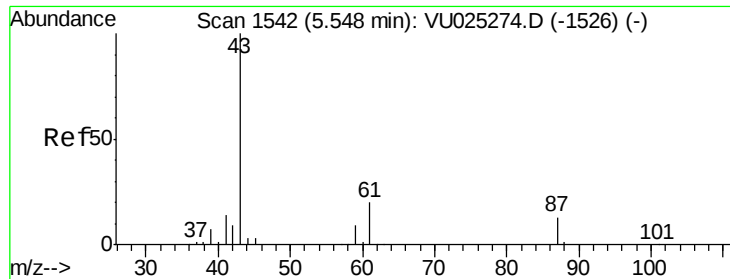
#42
1,2-Dichloroethane
Concen: 48.77 ug/l
RT: 5.41 min Scan# 1498
Delta R.T. 0.00 min
Lab File: VU025302.D
Acq: 10 Jul 2018 20:33

Tgt Ion: 62 Resp: 179576
Ion Ratio Lower Upper
62 100
98 8.7 0.0 16.4



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





#43

Isopropyl Acetate

Concen: 49.54 ug/l

RT: 5.55 min Scan# 1542

Delta R.T. 0.00 min

Lab File: VU025302.D

Acq: 10 Jul 2018 20:33

Instrument :

MSVOA_U

ClientSampleId :

BR-1-070518MS

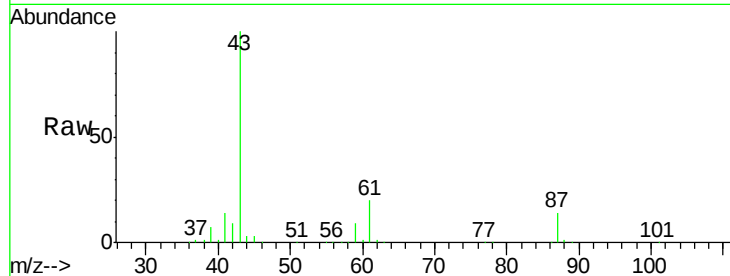
Tot Ion: 43 Resp: 284357

Ion Ratio Lower Upper

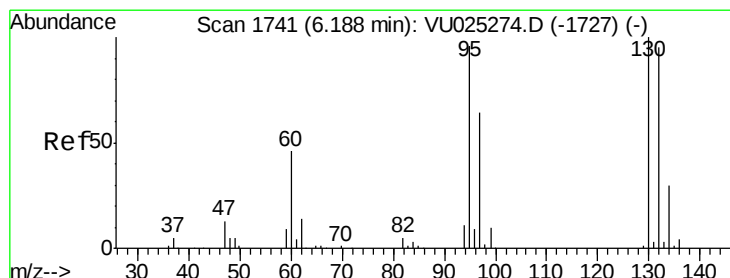
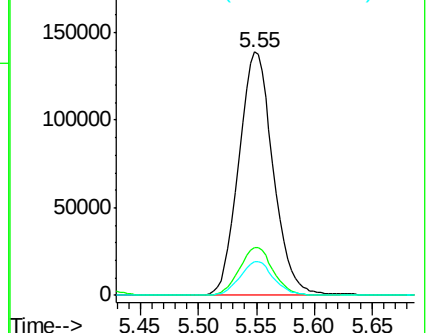
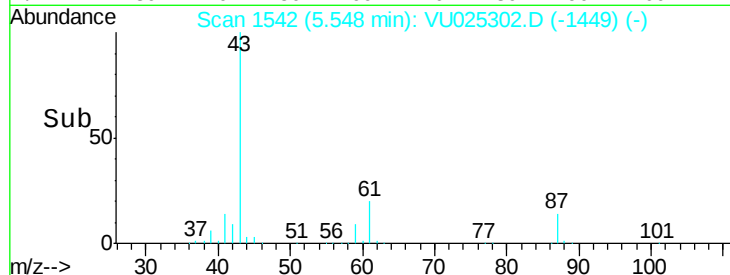
43 100

61 19.3 15.5 23.3

87 13.8 10.6 16.0



Abundance Ion 43.00 (42.70 to 43.70): VU025302.D (-1449) (-)



#44

Trichloroethene

Concen: 44.92 ug/l

RT: 6.19 min Scan# 1741

Delta R.T. 0.00 min

Lab File: VU025302.D

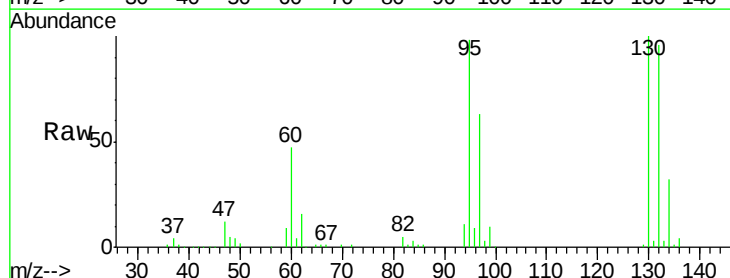
Acq: 10 Jul 2018 20:33

Tgt Ion:130 Resp: 119458

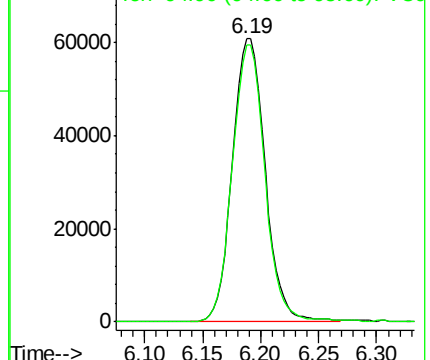
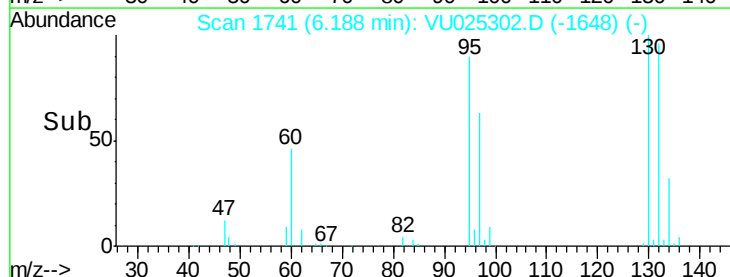
Ion Ratio Lower Upper

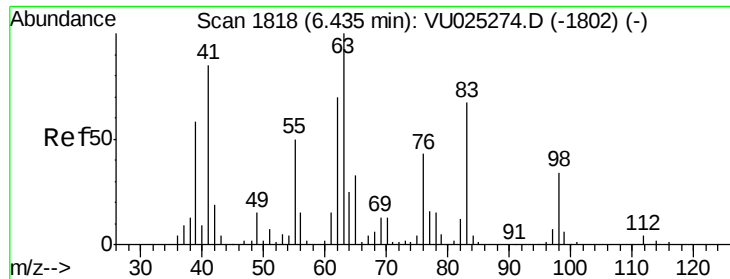
130 100

95 97.8 0.0 192.2



Abundance Ion 129.80 (129.50 to 130.50): VU025302.D (-1648) (-)





#45

1,2-Dichloropropane

Concen: 49.07 ug/l

RT: 6.44 min Scan# 1818

Delta R.T. 0.00 min

Lab File: VU025302.D

Acq: 10 Jul 2018 20:33

Instrument :

MSVOA_U

ClientSampleId :

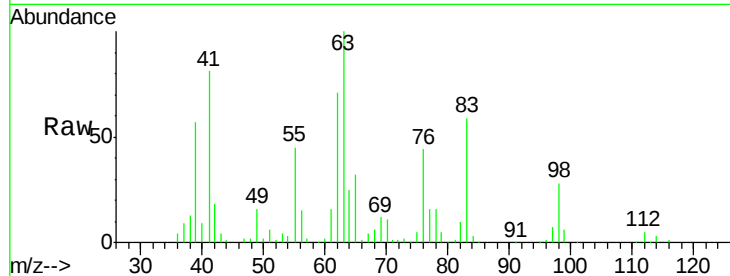
BR-1-070518MS

Tot Ion: 63 Resp: 119049

Ion Ratio Lower Upper

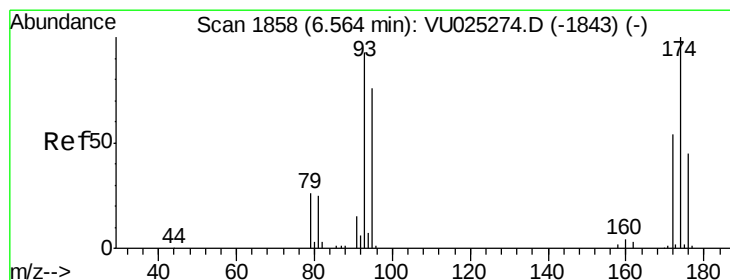
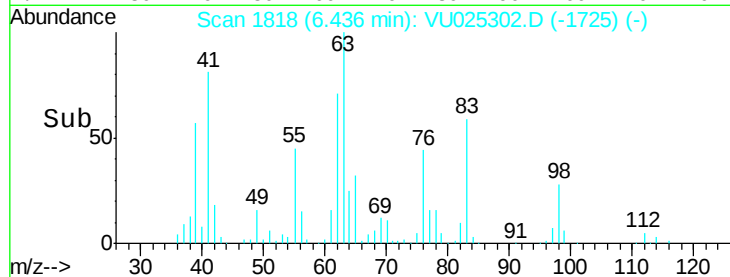
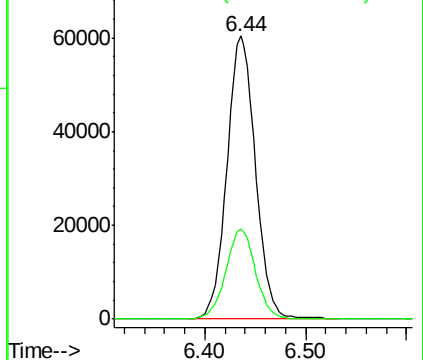
63 100

65 31.7 26.1 39.1



Abundance Ion 62.90 (62.60 to 63.60): VU0

Ion 64.90 (64.60 to 65.60): VU0



#46

Dibromomethane

Concen: 48.82 ug/l

RT: 6.56 min Scan# 1857

Delta R.T. -0.00 min

Lab File: VU025302.D

Acq: 10 Jul 2018 20:33

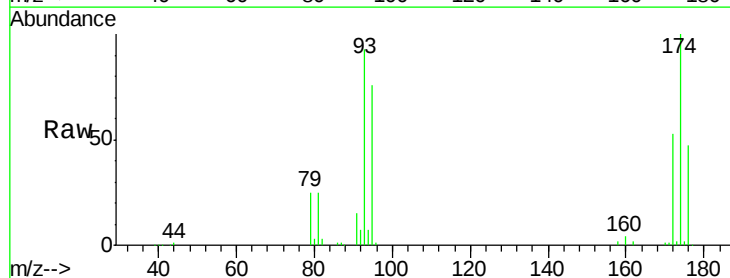
Tgt Ion: 93 Resp: 86201

Ion Ratio Lower Upper

93 100

95 83.1 66.6 100.0

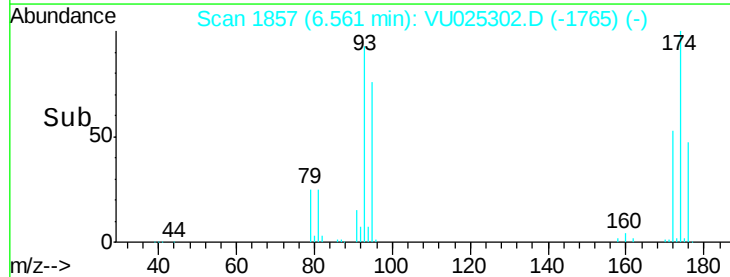
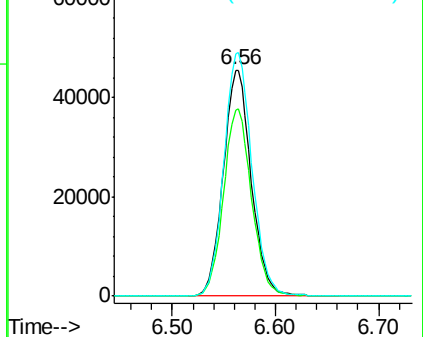
174 108.5 85.8 128.8

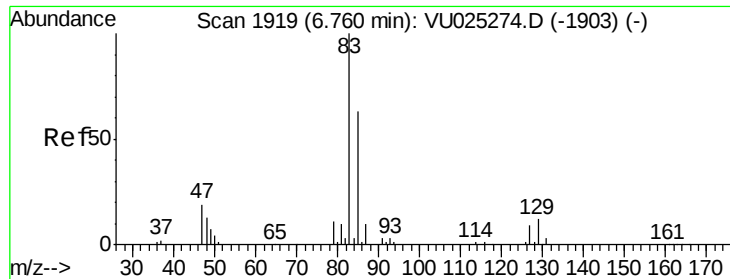


Abundance Ion 92.80 (92.50 to 93.50): VU0

Ion 94.80 (94.50 to 95.50): VU0

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 50.16 ug/l

RT: 6.76 min Scan# 1919

Delta R.T. 0.00 min

Lab File: VU025302.D

Acq: 10 Jul 2018 20:33

Instrument :

MSVOA_U

ClientSampleId :

BR-1-070518MS

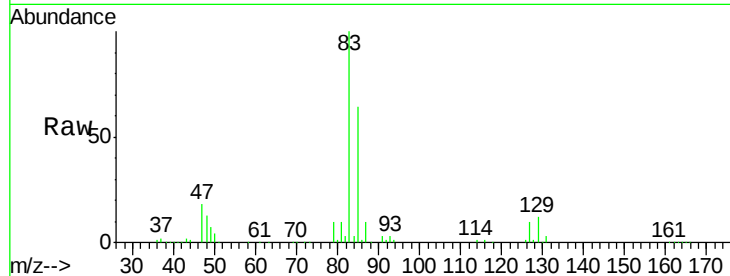
Tot Ion: 83 Resp: 164498

Ion Ratio Lower Upper

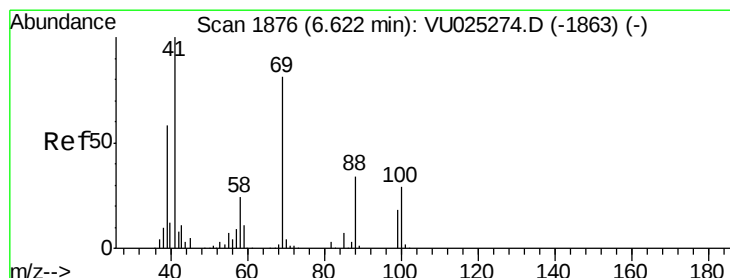
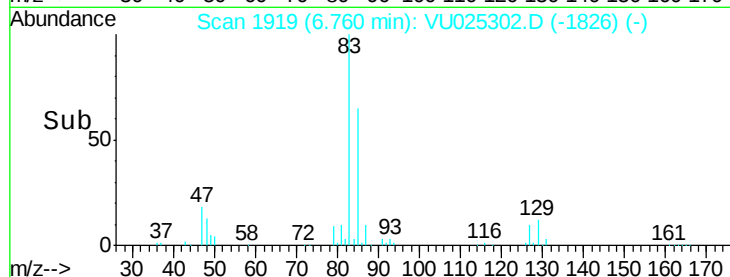
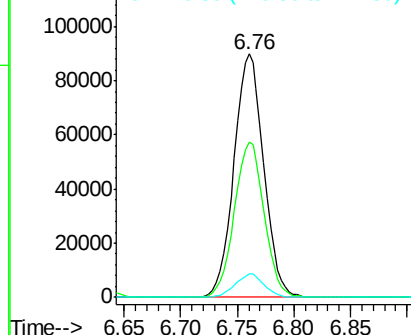
83 100

85 64.0 50.2 75.4

127 9.7 7.2 10.8



Abundance Ion 82.90 (82.60 to 83.60): VU0
Ion 84.90 (84.60 to 85.60): VU0
Ion 126.80 (126.50 to 127.50): V



#48

Methyl methacrylate

Concen: 52.34 ug/l

RT: 6.62 min Scan# 1876

Delta R.T. 0.00 min

Lab File: VU025302.D

Acq: 10 Jul 2018 20:33

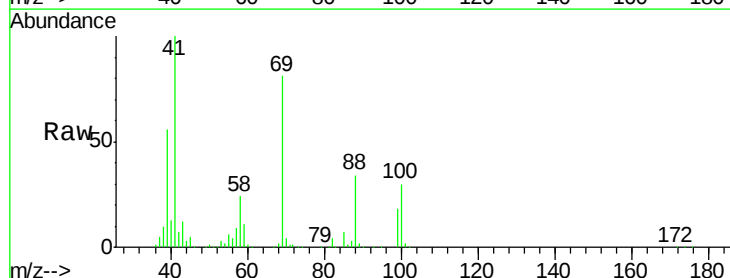
Tgt Ion: 41 Resp: 149784

Ion Ratio Lower Upper

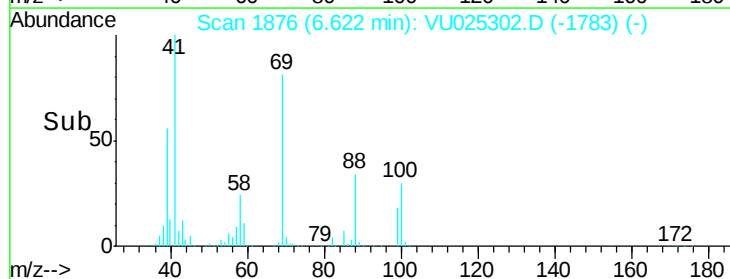
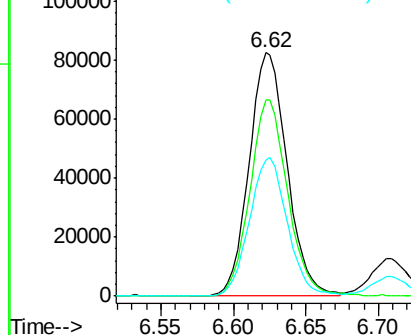
41 100

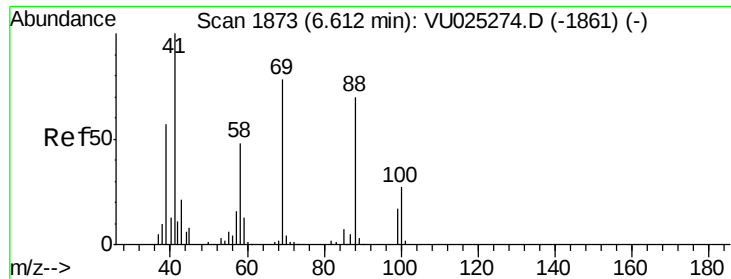
69 80.7 65.0 97.4

39 57.1 46.4 69.6



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





#49

1,4-Dioxane

Concen: 977.22 ug/l

RT: 6.61 min Scan# 1873

Delta R.T. 0.00 min

Lab File: VU025302.D

Acq: 10 Jul 2018 20:33

Instrument :

MSVOA_U

ClientSampleId :

BR-1-070518MS

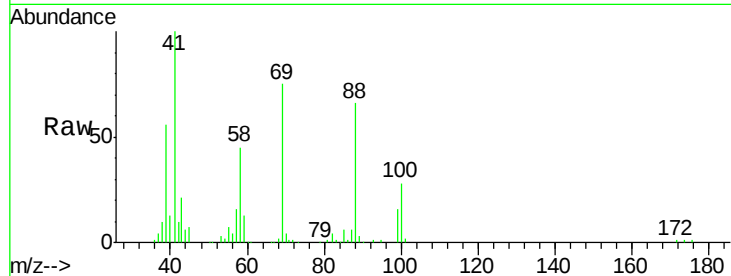
Tot Ion: 88 Resp: 67289

Ion Ratio Lower Upper

88 100

43 33.5 27.3 40.9

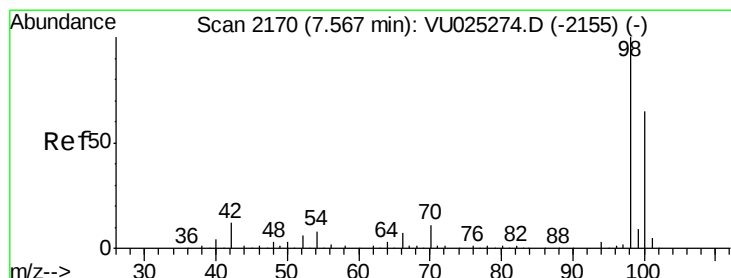
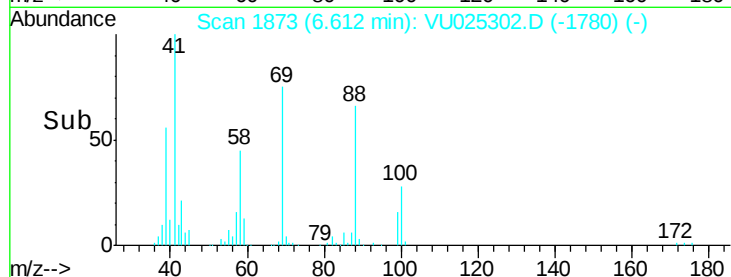
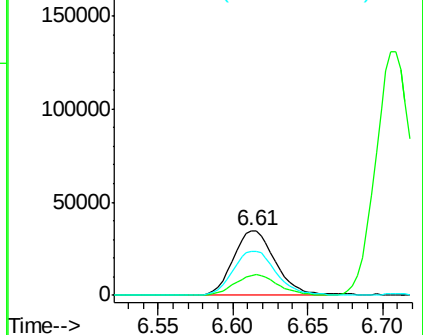
58 71.4 57.6 86.4



Abundance Ion 88.00 (87.70 to 88.70): VU025302.D (-1780) (-)

Ion 43.00 (42.70 to 43.70): VU025302.D (-1780) (-)

Ion 58.00 (57.70 to 58.70): VU025302.D (-1780) (-)



#50

Toluene-d8

Concen: 41.94 ug/l

RT: 7.57 min Scan# 2170

Delta R.T. 0.00 min

Lab File: VU025302.D

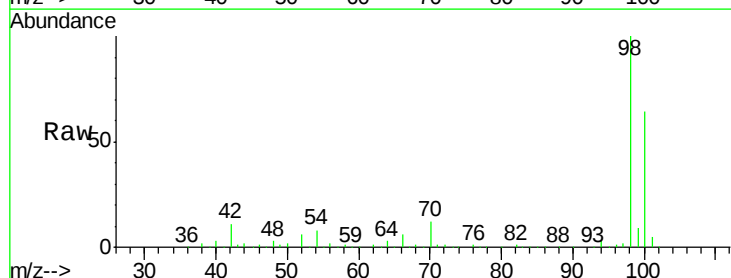
Acq: 10 Jul 2018 20:33

Tgt Ion: 98 Resp: 350263

Ion Ratio Lower Upper

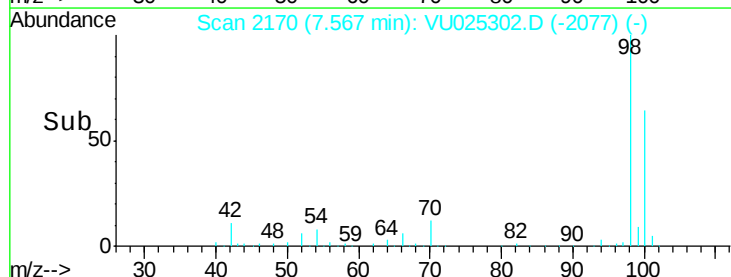
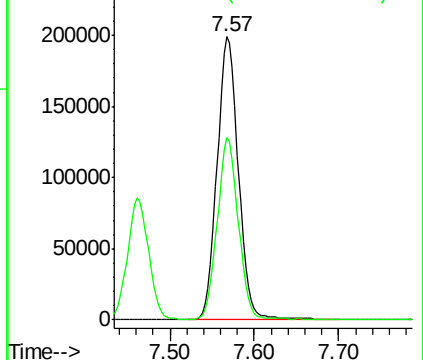
98 100

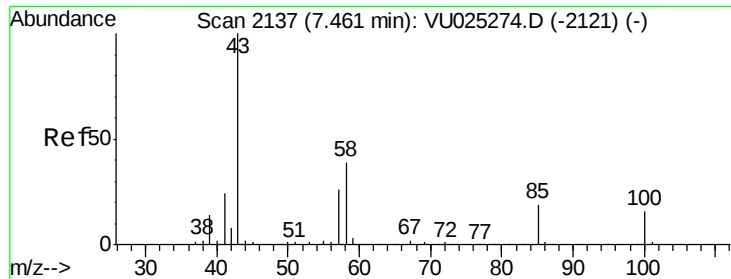
100 63.0 51.1 76.7



Abundance Ion 98.00 (97.70 to 98.70): VU025302.D (-2077) (-)

Ion 100.00 (99.70 to 100.70): VU025302.D (-2077) (-)

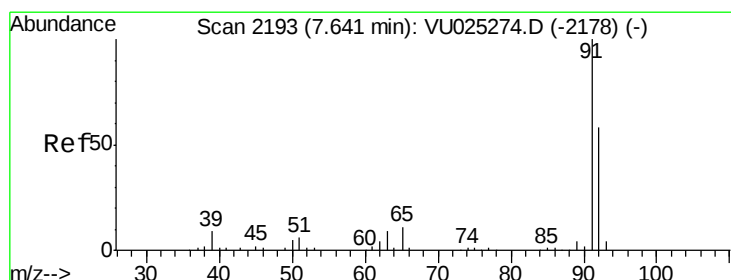
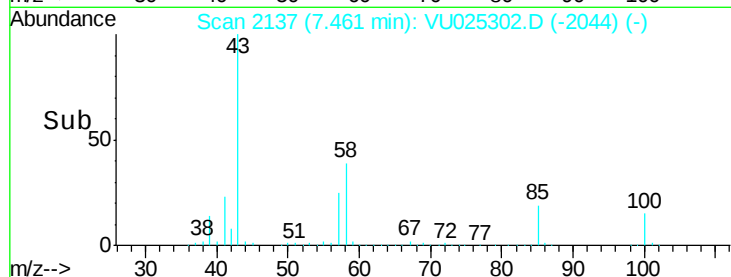
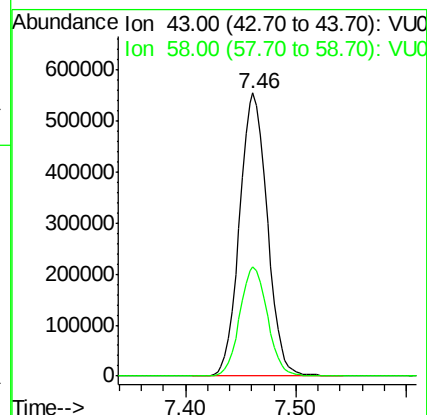
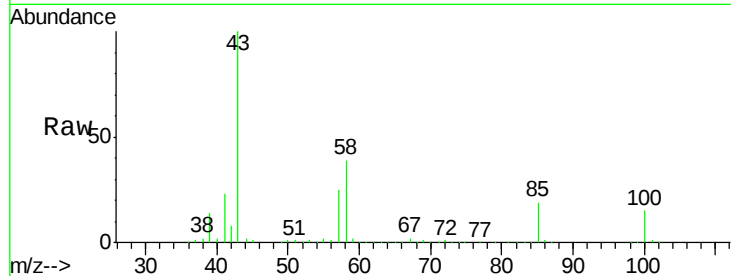




#51
4-Methyl-2-Pentanone
Concen: 259.42 ug/l
RT: 7.46 min Scan# 2137
Delta R.T. 0.00 min
Lab File: VU025302.D
Acq: 10 Jul 2018 20:33

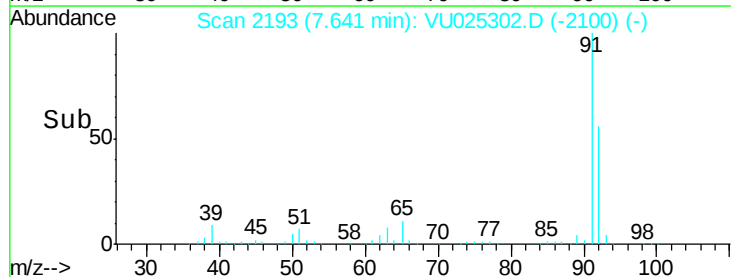
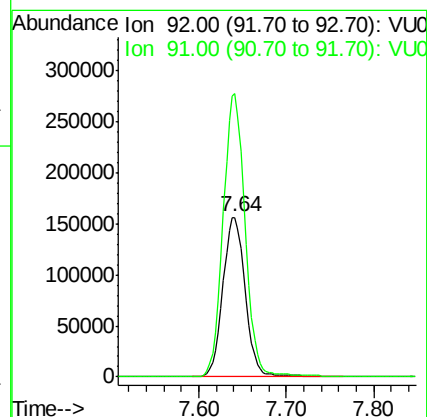
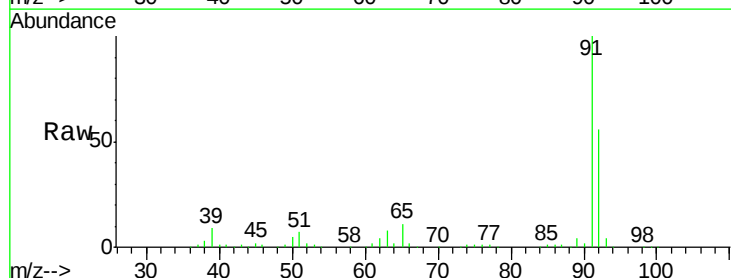
Instrument :
MSVOA_U
ClientSampleId :
BR-1-070518MS

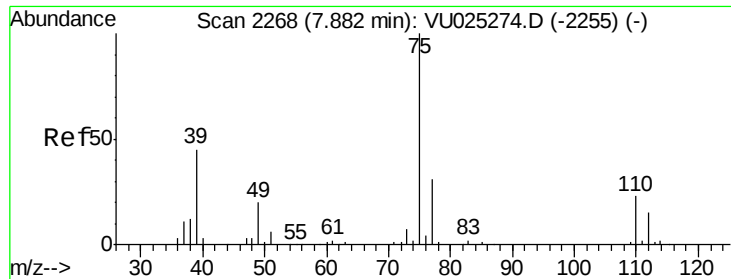
Tot Ion: 43 Resp: 967861
Ion Ratio Lower Upper
43 100
58 38.5 31.0 46.4



#52
Toluene
Concen: 47.32 ug/l
RT: 7.64 min Scan# 2193
Delta R.T. 0.00 min
Lab File: VU025302.D
Acq: 10 Jul 2018 20:33

Tgt Ion: 92 Resp: 278875
Ion Ratio Lower Upper
92 100
91 174.4 139.2 208.8

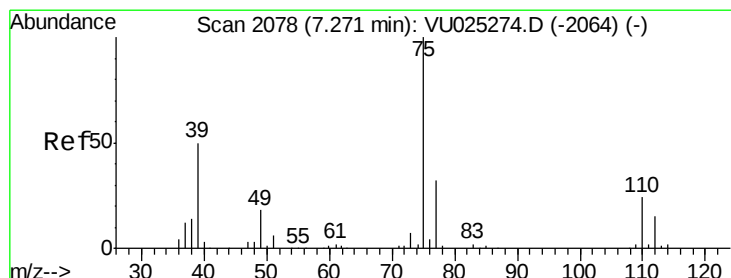
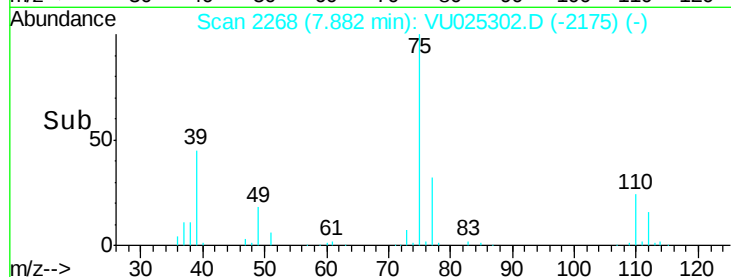
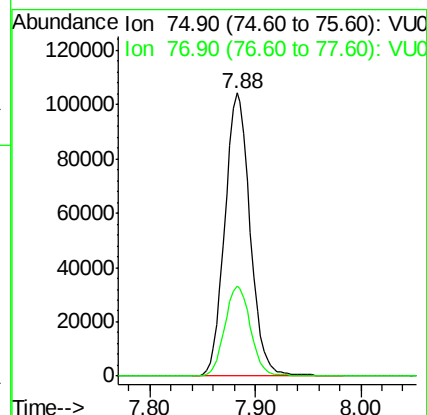
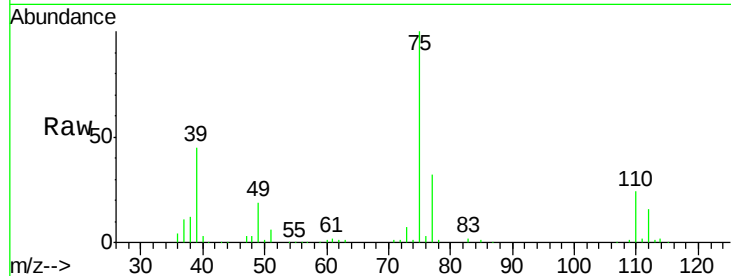




#53
t-1,3-Dichloropropene
Concen: 47.94 ug/l
RT: 7.88 min Scan# 2268
Delta R.T. 0.00 min
Lab File: VU025302.D
Acq: 10 Jul 2018 20:33

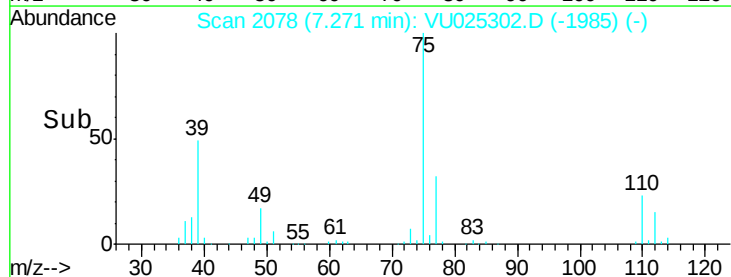
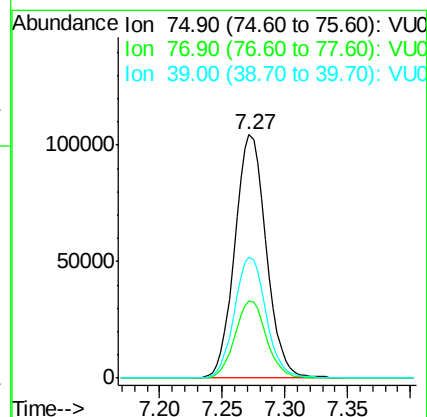
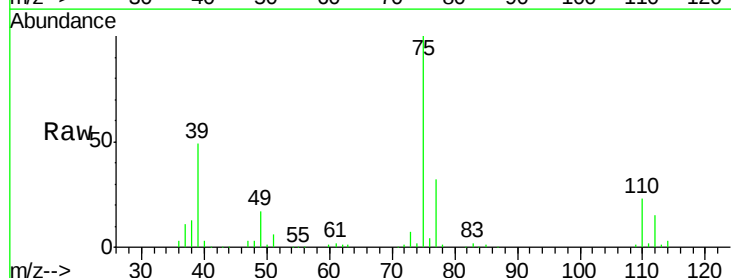
Instrument :
MSVOA_U
ClientSampleId :
BR-1-070518MS

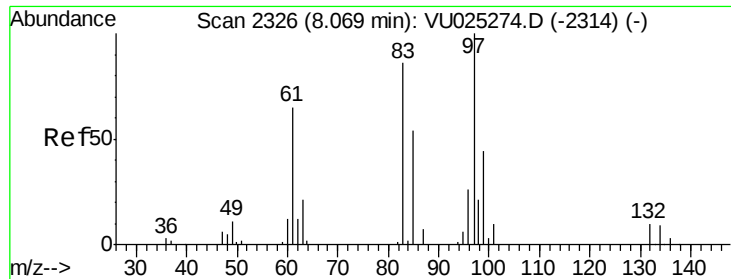
Tot Ion: 75 Resp: 172753
Ion Ratio Lower Upper
75 100
77 31.9 24.5 36.7



#54
cis-1,3-Dichloropropene
Concen: 47.52 ug/l
RT: 7.27 min Scan# 2078
Delta R.T. 0.00 min
Lab File: VU025302.D
Acq: 10 Jul 2018 20:33

Tgt Ion: 75 Resp: 182241
Ion Ratio Lower Upper
75 100
77 31.6 25.6 38.4
39 49.5 40.0 60.0

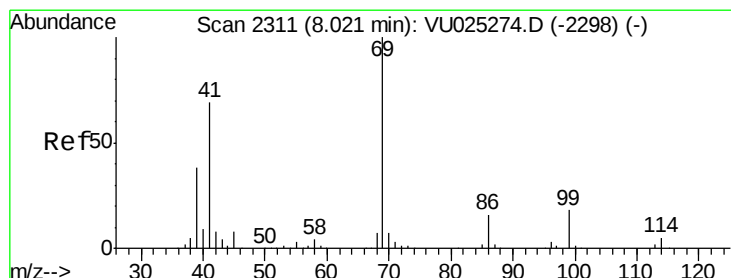
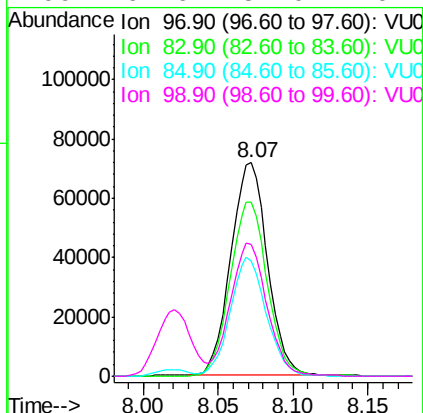
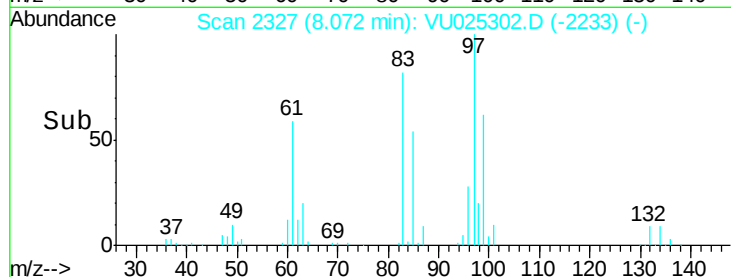
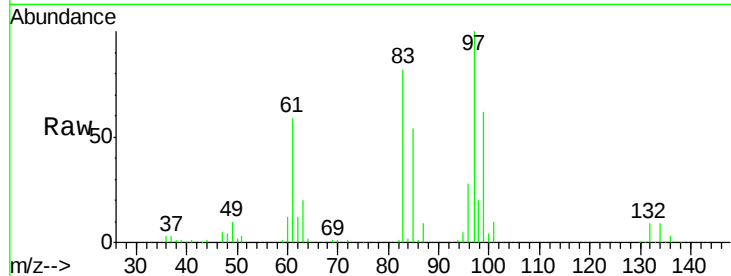




#55
 1,1,2-Trichloroethane
 Concen: 49.68 ug/l
 RT: 8.07 min Scan# 2327
 Delta R.T. 0.00 min
 Lab File: VU025302.D
 Acq: 10 Jul 2018 20:33

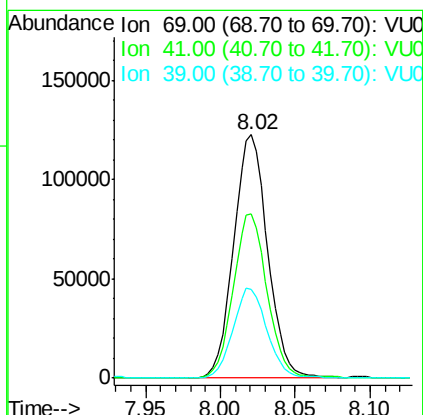
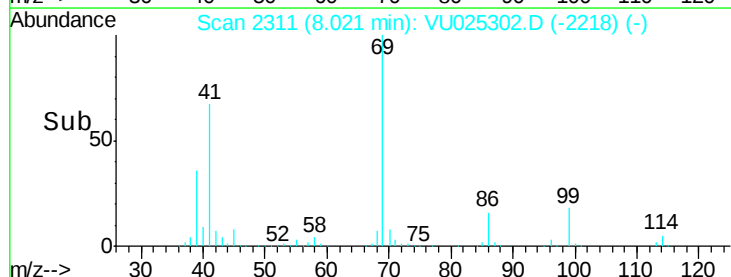
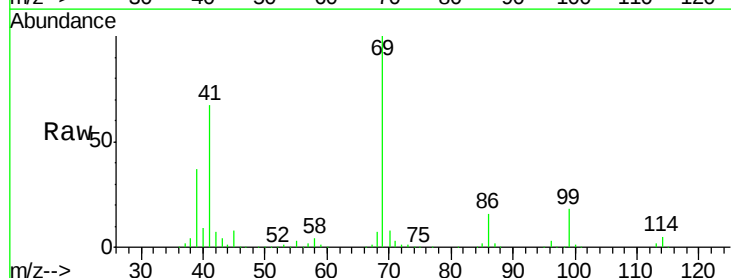
Instrument :
 MSVOA_U
 ClientSampleId :
 BR-1-070518MS

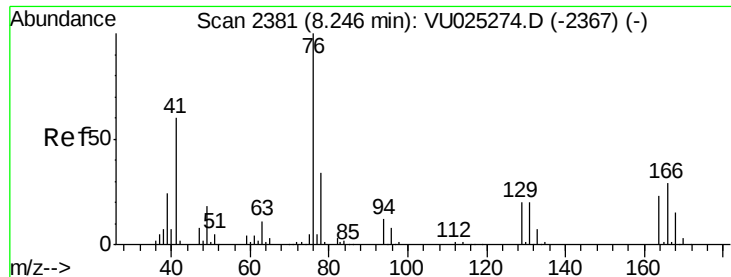
Tot Ion:	97	Resp:	121919
Ion	Ratio	Lower	Upper
97	100		
83	82.0	68.9	103.3
85	54.2	44.4	66.6
99	61.6	51.0	76.4



#56
 Ethyl methacrylate
 Concen: 50.71 ug/l
 RT: 8.02 min Scan# 2311
 Delta R.T. 0.00 min
 Lab File: VU025302.D
 Acq: 10 Jul 2018 20:33

Tgt Ion:	69	Resp:	194369
Ion	Ratio	Lower	Upper
69	100		
41	67.4	54.8	82.2
39	36.8	31.1	46.7

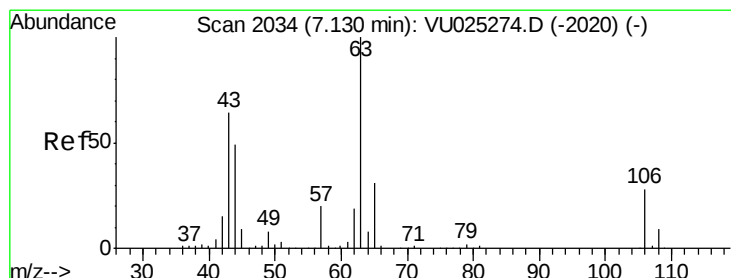
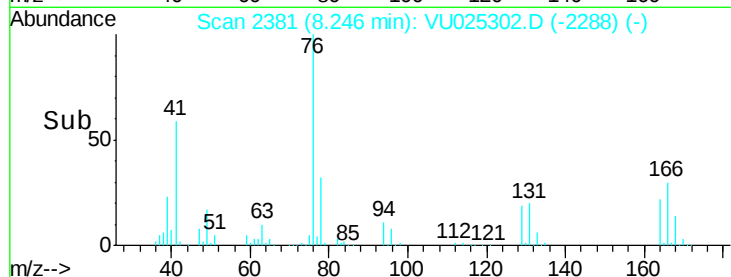
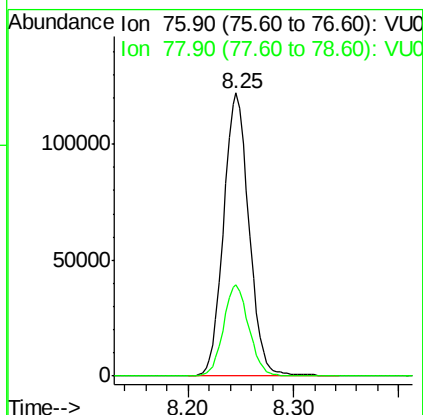
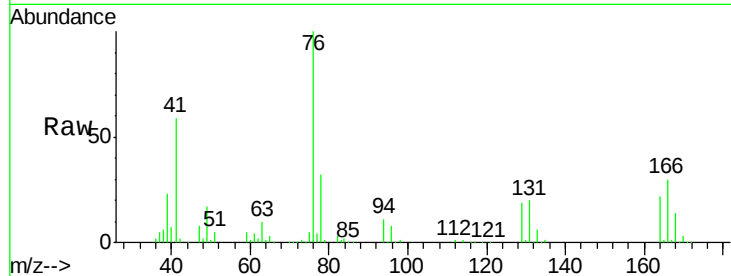




#57
 1,3-Dichloropropane
 Concen: 49.95 ug/l
 RT: 8.25 min Scan# 2381
 Delta R.T. 0.00 min
 Lab File: VU025302.D
 Acq: 10 Jul 2018 20:33

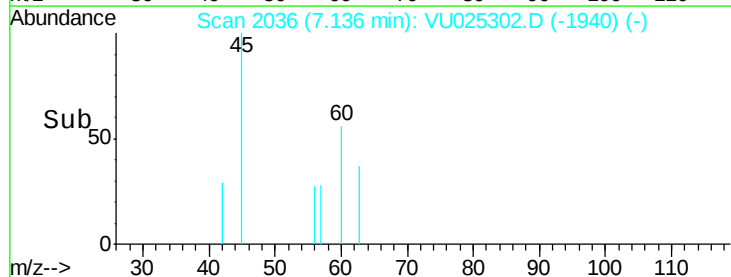
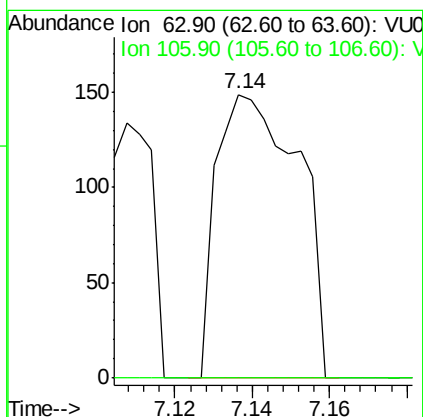
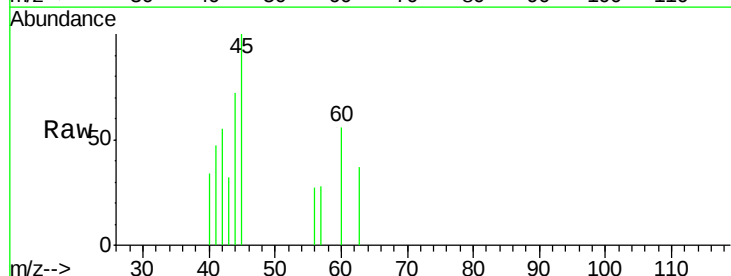
Instrument :
 MSVOA_U
 ClientSampleId :
 BR-1-070518MS

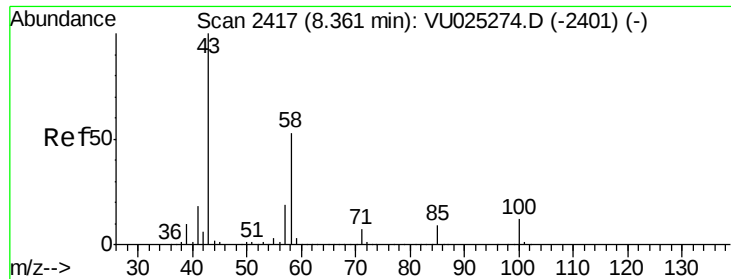
Tot Ion: 76 Resp: 203516
 Ion Ratio Lower Upper
 76 100
 78 32.2 26.1 39.1



#58
 2-Chloroethyl Vinyl ether
 Concen: 11.27 ug/l
 RT: 7.14 min Scan# 2036
 Delta R.T. 0.01 min
 Lab File: VU025302.D
 Acq: 10 Jul 2018 20:33

Tgt Ion: 63 Resp: 219
 Ion Ratio Lower Upper
 63 100
 106 0.0 22.3 33.5#

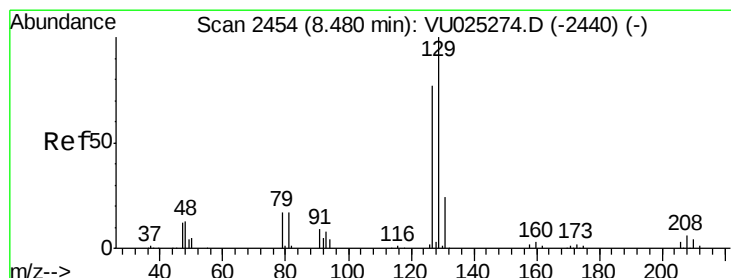
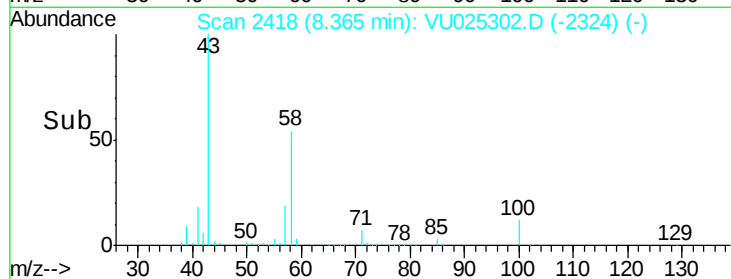
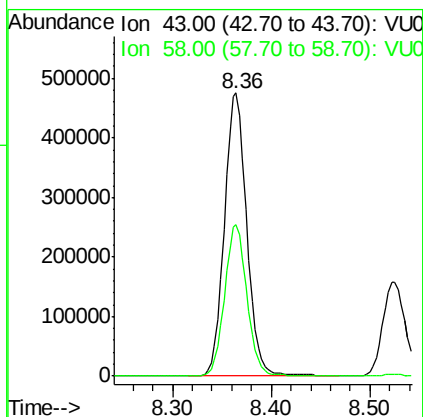
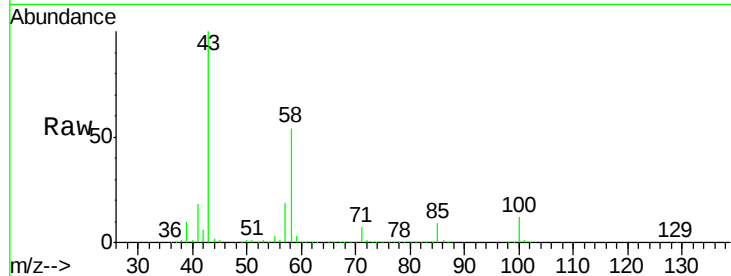




#59
2-Hexanone
Concen: 251.21 ug/l
RT: 8.36 min Scan# 2418
Delta R.T. 0.00 min
Lab File: VU025302.D
Acq: 10 Jul 2018 20:33

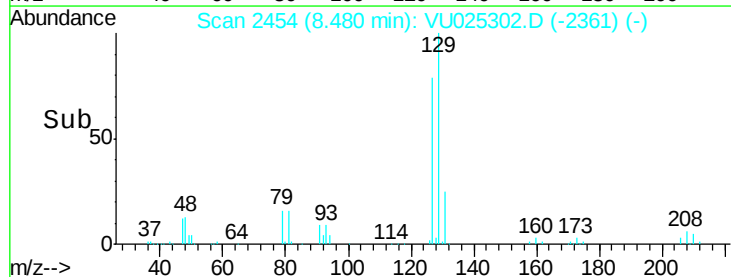
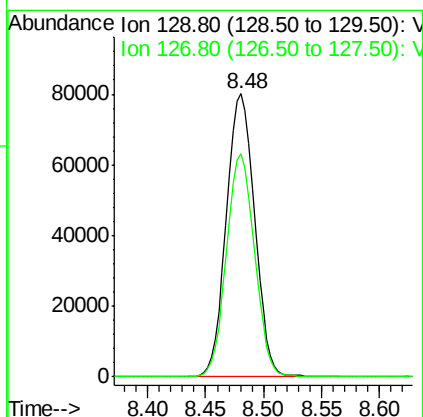
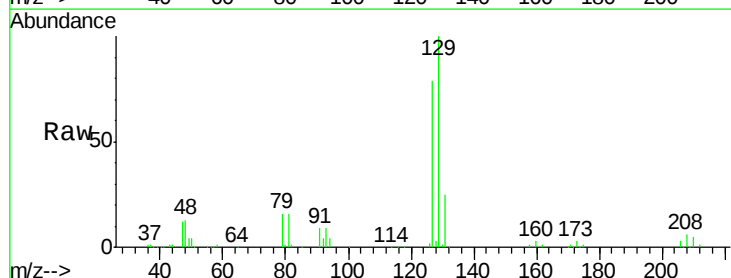
Instrument :
MSVOA_U
ClientSampleId :
BR-1-070518MS

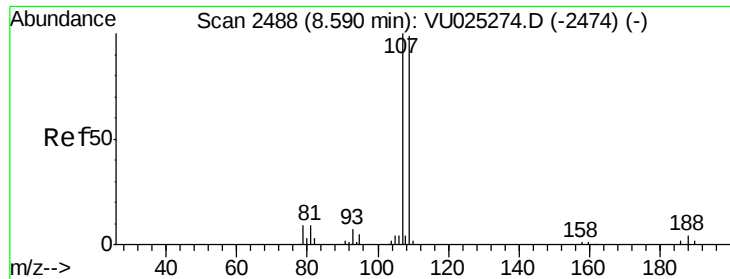
Tot Ion: 43 Resp: 760226
Ion Ratio Lower Upper
43 100
58 53.5 26.2 78.5



#60
Dibromochloromethane
Concen: 51.20 ug/l
RT: 8.48 min Scan# 2454
Delta R.T. 0.00 min
Lab File: VU025302.D
Acq: 10 Jul 2018 20:33

Tgt Ion: 129 Resp: 135703
Ion Ratio Lower Upper
129 100
127 78.0 38.6 115.8





#61

1,2-Dibromoethane

Concen: 50.32 ug/l

RT: 8.59 min Scan# 2488

Delta R.T. 0.00 min

Lab File: VU025302.D

Acq: 10 Jul 2018 20:33

Instrument :

MSVOA_U

ClientSampleId :

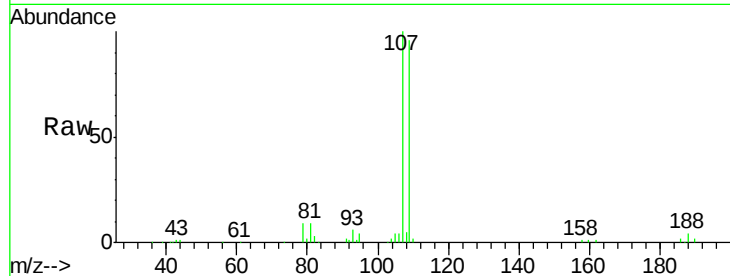
BR-1-070518MS

Tot Ion:107 Resp: 132144

Ion Ratio Lower Upper

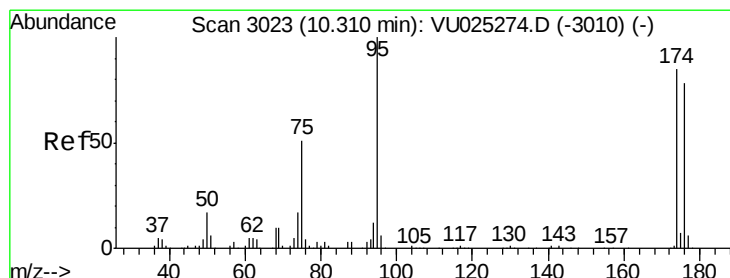
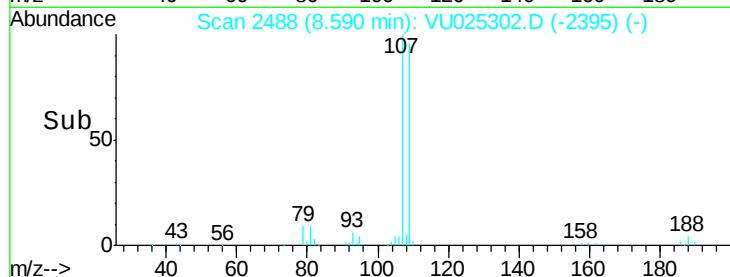
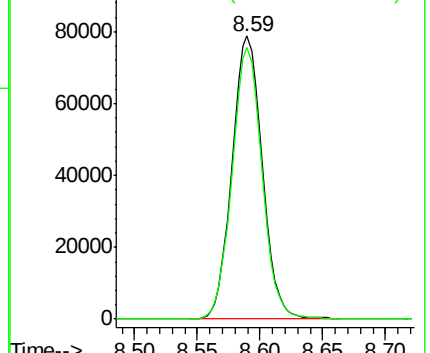
107 100

109 95.0 75.8 113.8



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 43.09 ug/l

RT: 10.31 min Scan# 3023

Delta R.T. 0.00 min

Lab File: VU025302.D

Acq: 10 Jul 2018 20:33

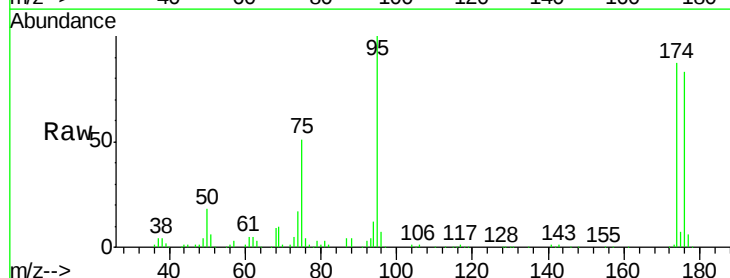
Tgt Ion: 95 Resp: 144892

Ion Ratio Lower Upper

95 100

174 86.7 0.0 172.2

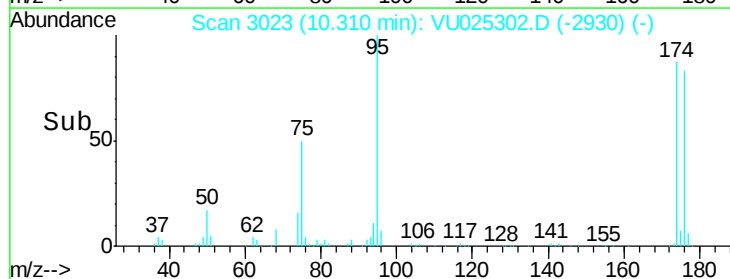
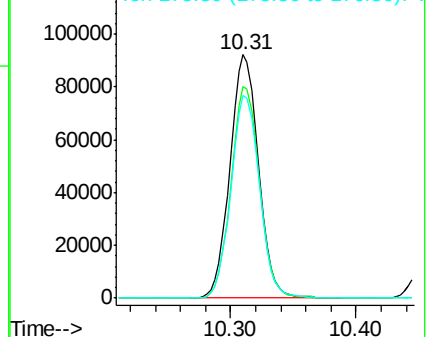
176 84.0 0.0 162.6

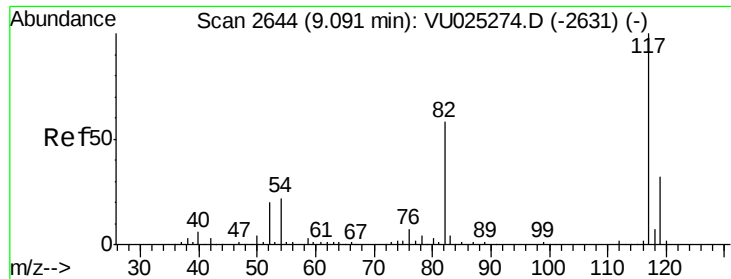


Abundance Ion 94.90 (94.60 to 95.60): VU0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

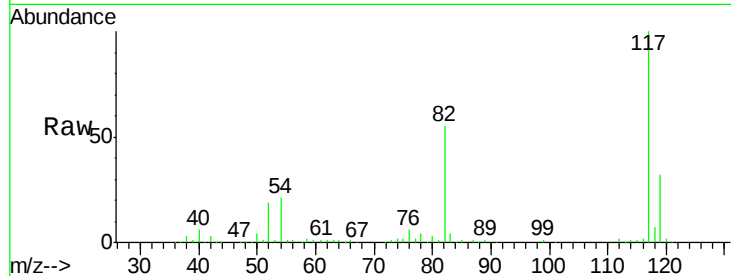




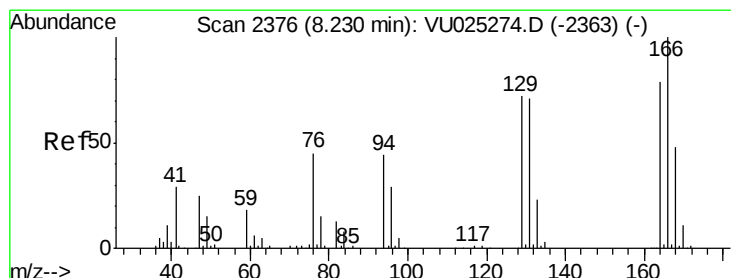
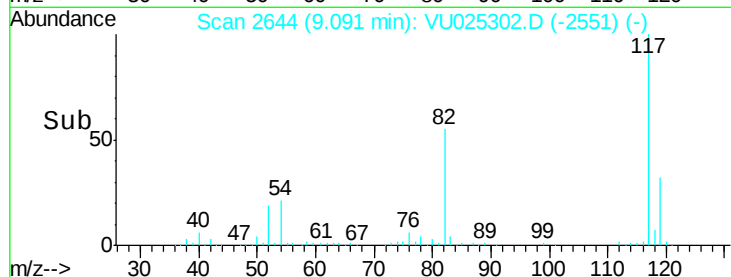
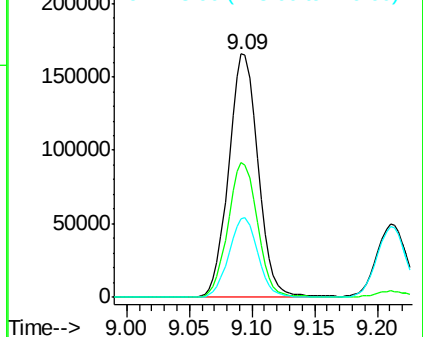
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 9.09 min Scan# 2644
Delta R.T. 0.00 min
Lab File: VU025302.D
Acq: 10 Jul 2018 20:33

Instrument :
MSVOA_U
ClientSampleId :
BR-1-070518MS

Tot Ion:117 Resp: 270624
Ion Ratio Lower Upper
117 100
82 55.3 46.0 69.0
119 32.3 26.0 39.0

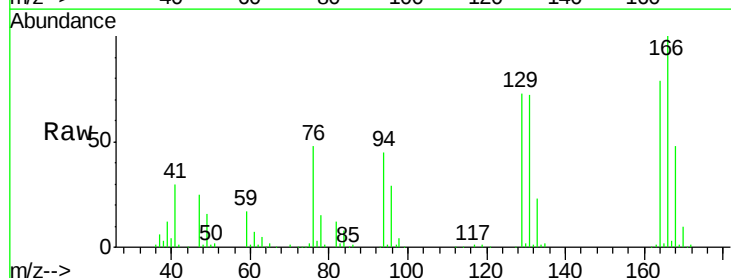


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

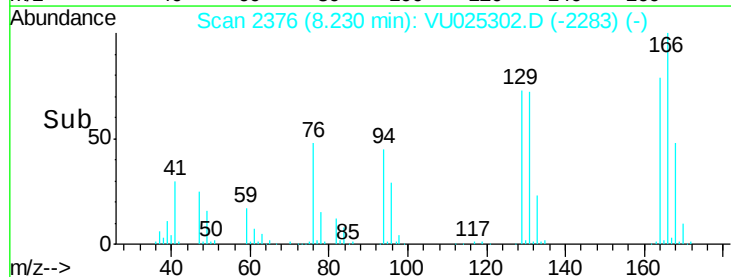
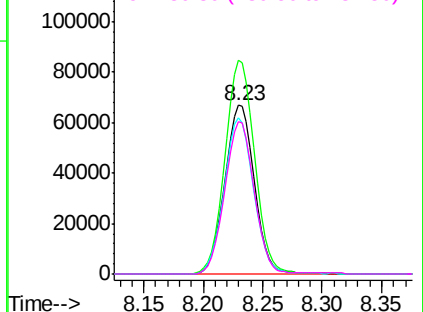


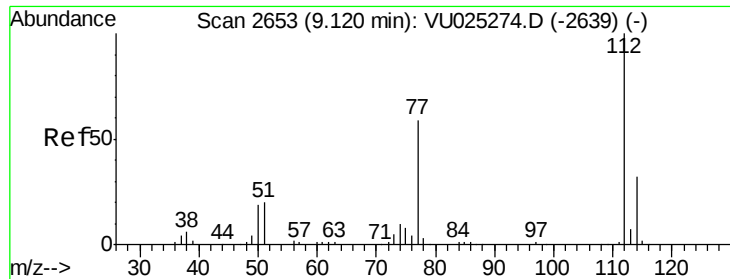
#64
Tetrachloroethene
Concen: 46.74 ug/l
RT: 8.23 min Scan# 2376
Delta R.T. 0.00 min
Lab File: VU025302.D
Acq: 10 Jul 2018 20:33

Tgt Ion:164 Resp: 115295
Ion Ratio Lower Upper
164 100
166 126.6 101.1 151.7
129 92.4 73.0 109.6
131 90.6 72.1 108.1



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

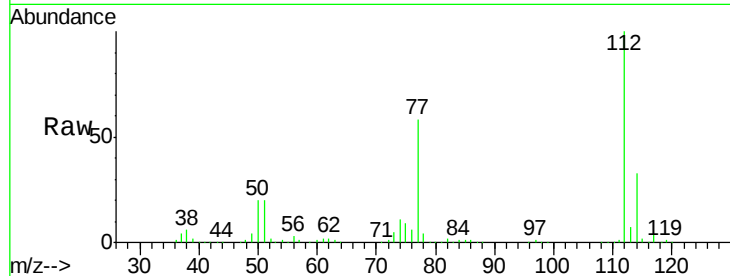




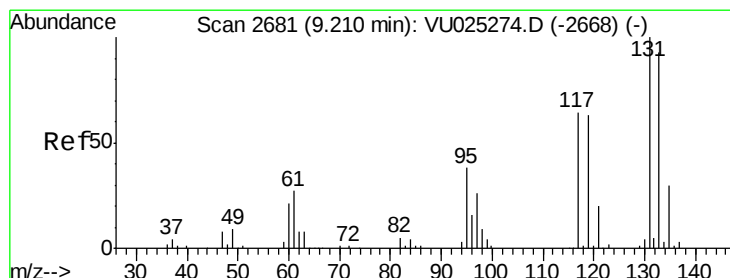
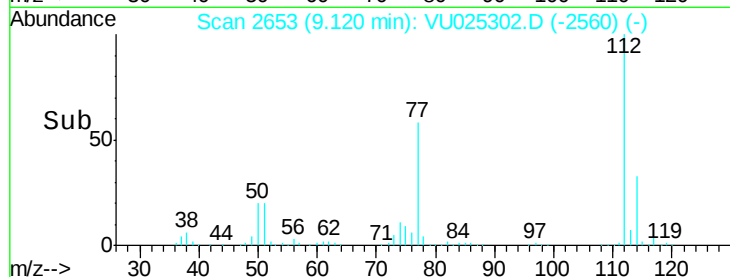
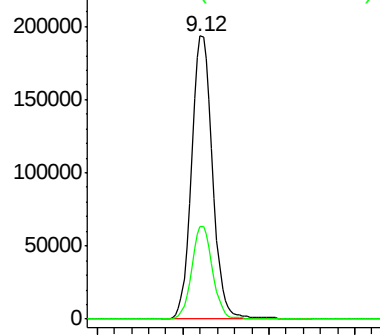
#65
Chlorobenzene
Concen: 48.65 ug/l
RT: 9.12 min Scan# 2653
Delta R.T. 0.00 min
Lab File: VU025302.D
Acq: 10 Jul 2018 20:33

Instrument :
MSVOA_U
ClientSampleId :
BR-1-070518MS

Tot Ion:112 Resp: 328886
Ion Ratio Lower Upper
112 100
114 32.8 25.8 38.8

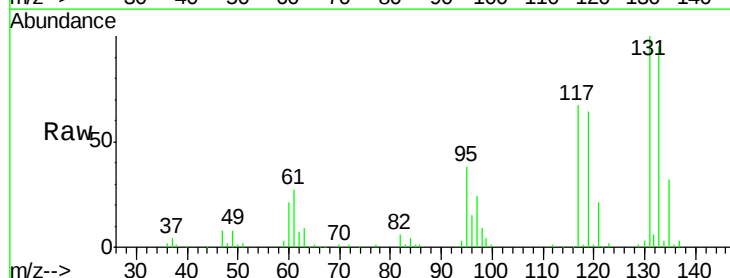


Abundance Ion 111.90 (111.60 to 112.60): V
Ion 113.90 (113.60 to 114.60): V

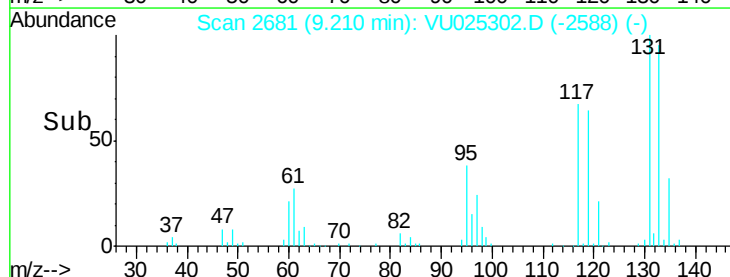
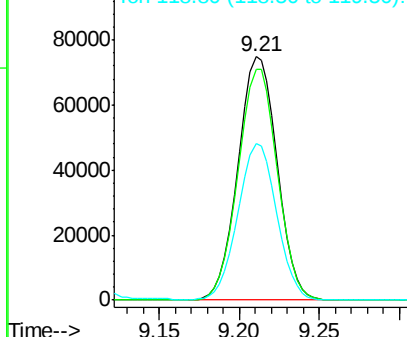


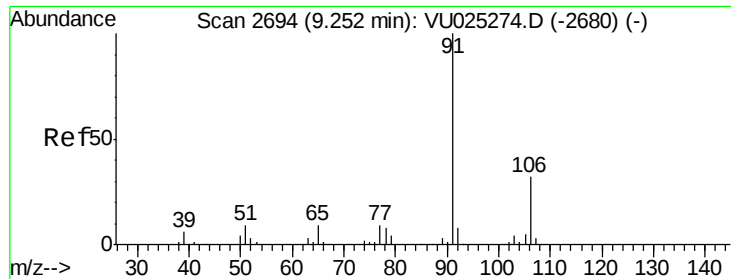
#66
1,1,1,2-Tetrachloroethane
Concen: 51.48 ug/l
RT: 9.21 min Scan# 2681
Delta R.T. 0.00 min
Lab File: VU025302.D
Acq: 10 Jul 2018 20:33

Tgt Ion:131 Resp: 124492
Ion Ratio Lower Upper
131 100
133 95.5 47.8 143.3
119 64.2 31.6 95.0



Abundance Ion 130.80 (130.50 to 131.50): V
Ion 132.80 (132.50 to 133.50): V
Ion 118.80 (118.50 to 119.50): V

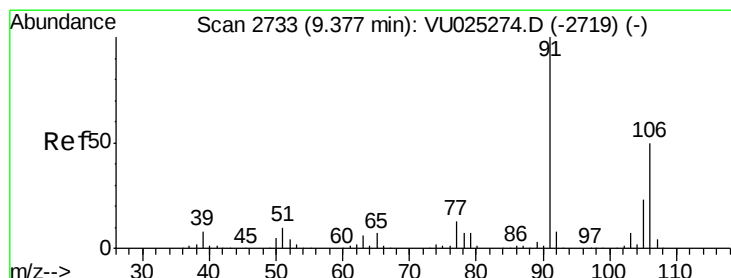
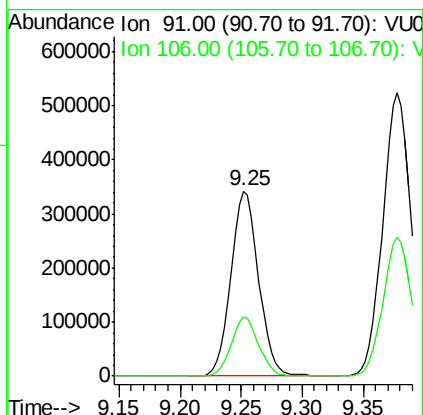
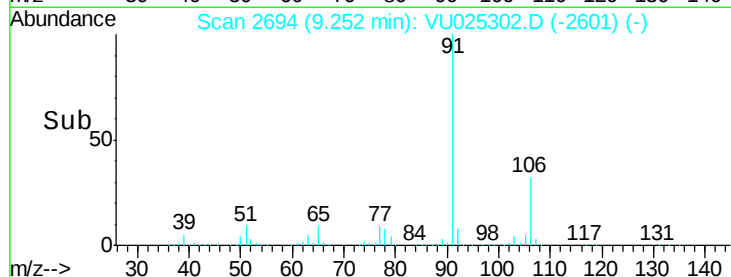
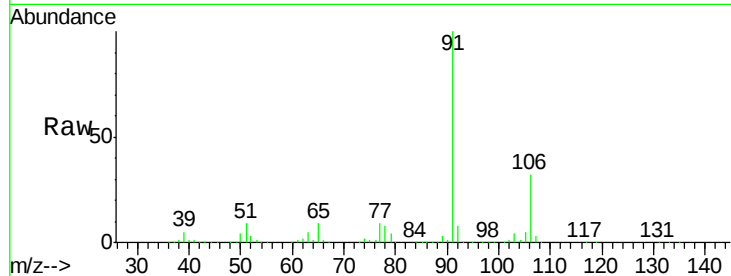




#67
Ethyl Benzene
Concen: 47.08 ug/l
RT: 9.25 min Scan# 2694
Delta R.T. 0.00 min
Lab File: VU025302.D
Acq: 10 Jul 2018 20:33

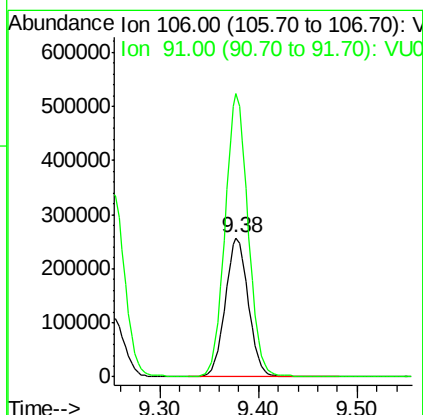
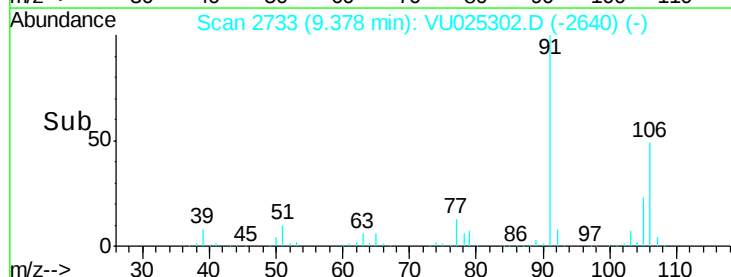
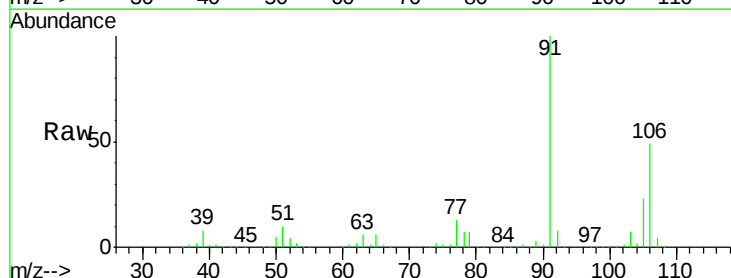
Instrument :
MSVOA_U
ClientSampleId :
BR-1-070518MS

Tot Ion: 91 Resp: 542586
Ion Ratio Lower Upper
91 100
106 31.9 25.3 37.9



#68
m/p-Xylenes
Concen: 94.83 ug/l
RT: 9.38 min Scan# 2733
Delta R.T. 0.00 min
Lab File: VU025302.D
Acq: 10 Jul 2018 20:33

Tgt Ion: 106 Resp: 422554
Ion Ratio Lower Upper
106 100
91 203.1 162.3 243.5

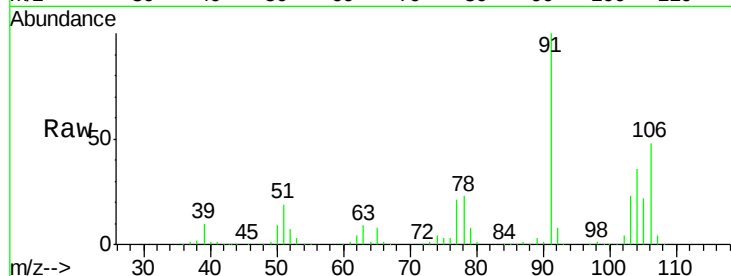




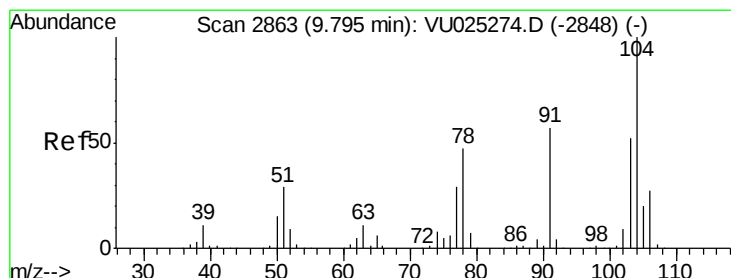
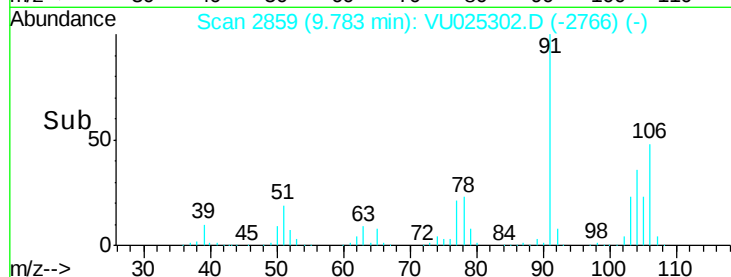
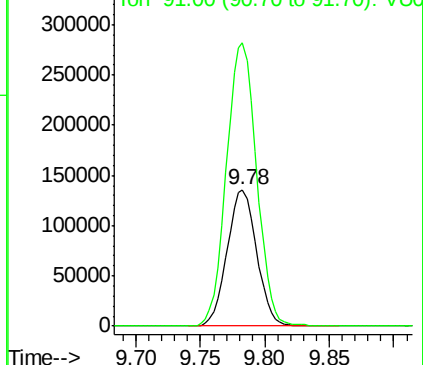
#69
o-Xylene
Concen: 48.43 ug/l
RT: 9.78 min Scan# 2859
Delta R.T. 0.00 min
Lab File: VU025302.D
Acq: 10 Jul 2018 20:33

Instrument :
MSVOA_U
ClientSampleId :
BR-1-070518MS

Tot Ion:106 Resp: 216045
Ion Ratio Lower Upper
106 100
91 212.0 105.3 315.8

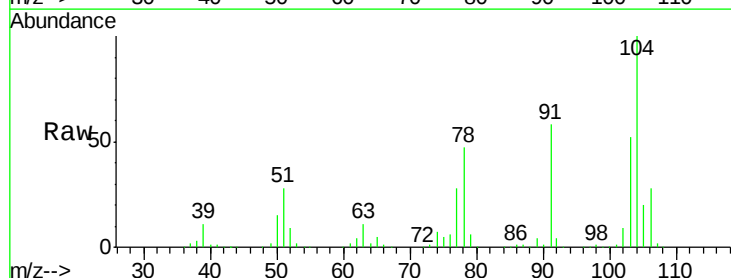


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VU0

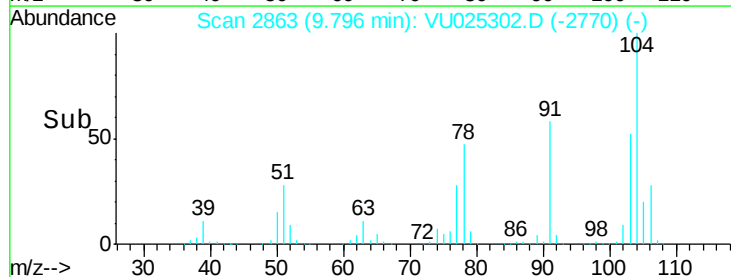
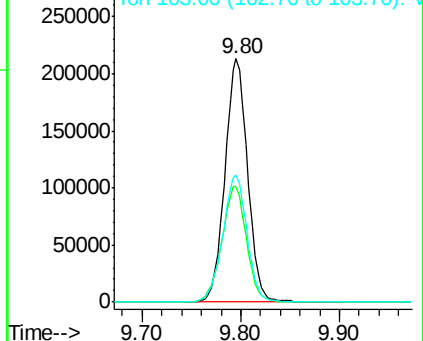


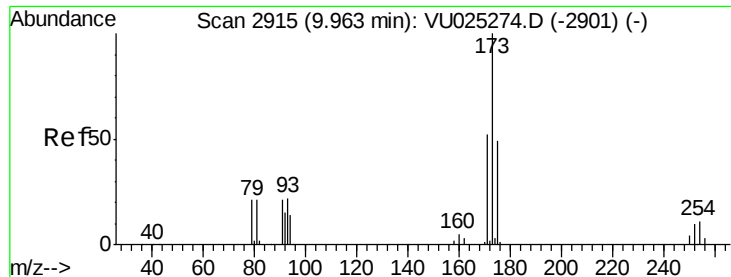
#70
Styrene
Concen: 48.56 ug/l
RT: 9.80 min Scan# 2863
Delta R.T. 0.00 min
Lab File: VU025302.D
Acq: 10 Jul 2018 20:33

Tgt Ion:104 Resp: 344073
Ion Ratio Lower Upper
104 100
78 51.4 41.6 62.4
103 56.0 44.6 66.8



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: 46.61 ug/l

RT: 9.96 min Scan# 2915

Delta R.T. 0.00 min

Lab File: VU025302.D

Acq: 10 Jul 2018 20:33

Instrument :

MSVOA_U

ClientSampleId :

BR-1-070518MS

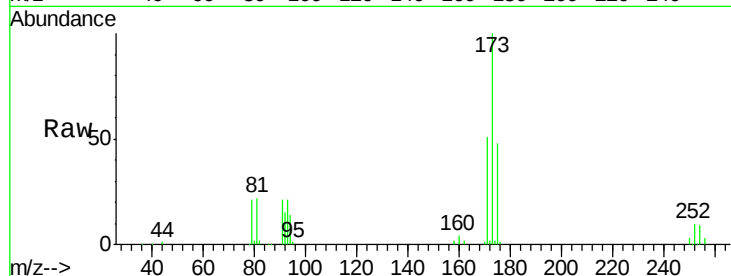
Tot Ion:173 Resp: 108180

Ion Ratio Lower Upper

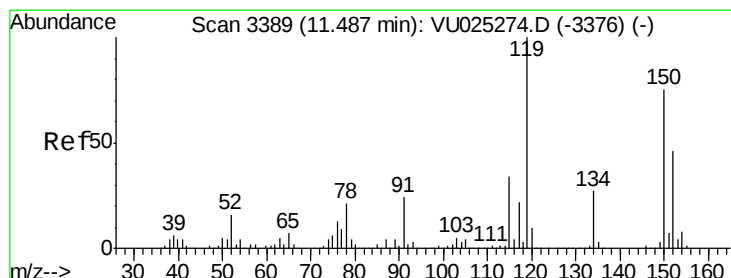
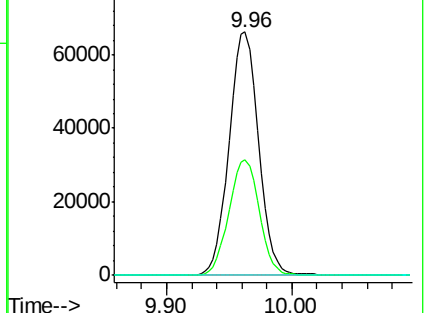
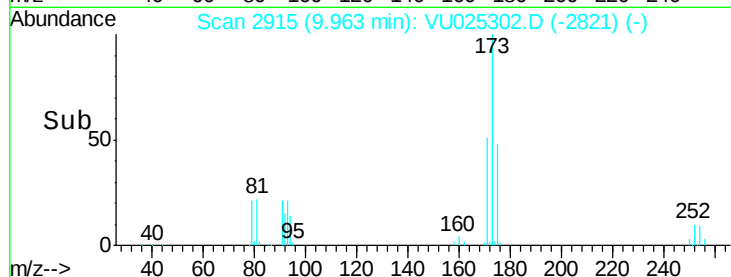
173 100

175 48.9 24.0 72.0

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: 11.49 min Scan# 3389

Delta R.T. 0.00 min

Lab File: VU025302.D

Acq: 10 Jul 2018 20:33

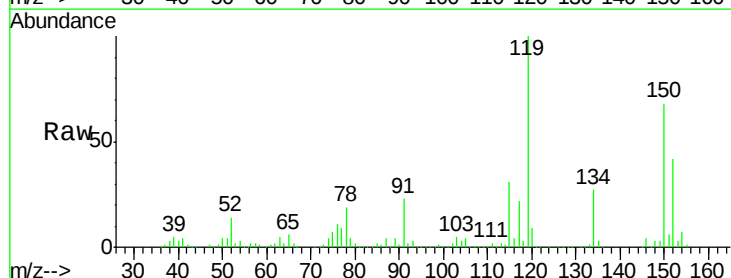
Tgt Ion:152 Resp: 156300

Ion Ratio Lower Upper

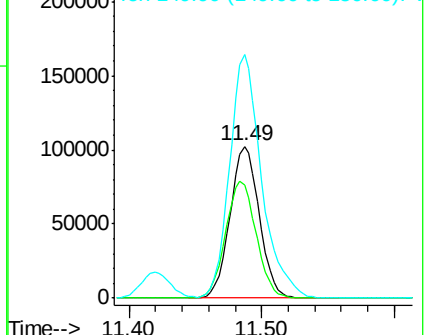
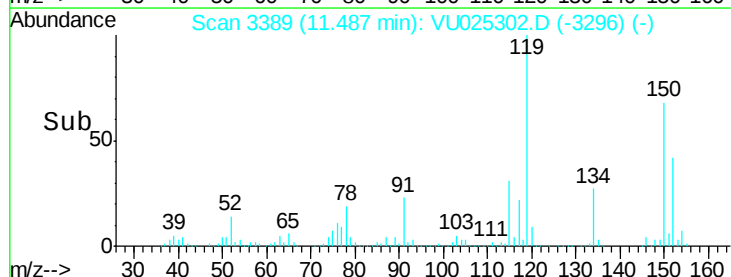
152 100

115 80.8 40.1 120.3

150 175.5 0.0 351.4



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 46.77 ug/l

RT: 10.17 min Scan# 2979

Delta R.T. 0.00 min

Lab File: VU025302.D

Acq: 10 Jul 2018 20:33

Instrument :

MSVOA_U

ClientSampleId :

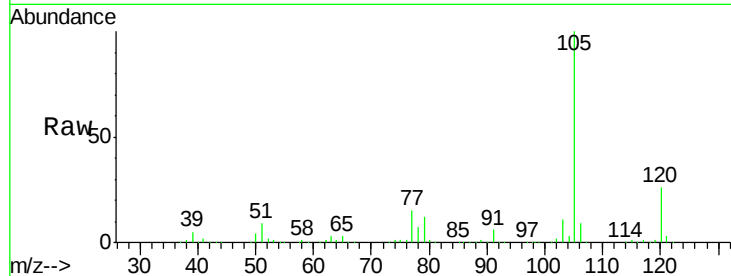
BR-1-070518MS

Tot Ion:105 Resp: 558584

Ion Ratio Lower Upper

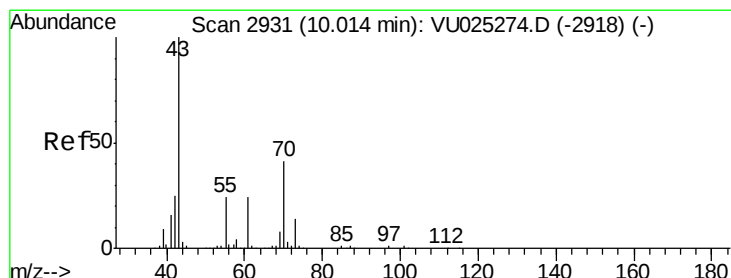
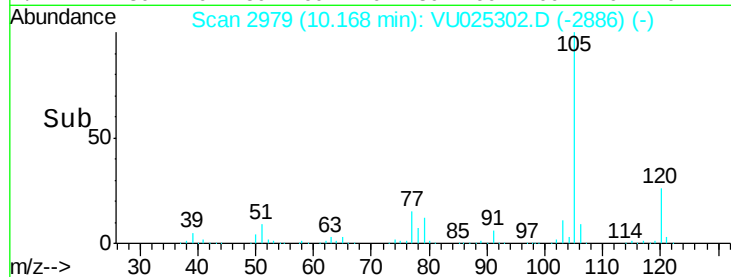
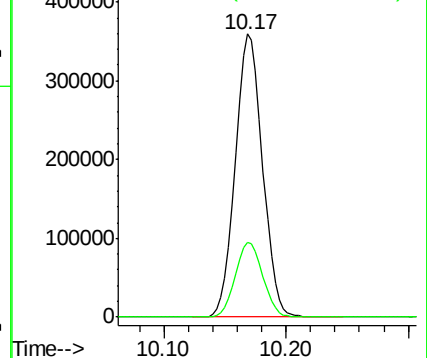
105 100

120 26.7 13.5 40.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 51.05 ug/l

RT: 10.01 min Scan# 2931

Delta R.T. 0.00 min

Lab File: VU025302.D

Acq: 10 Jul 2018 20:33

Tgt Ion: 43 Resp: 249676

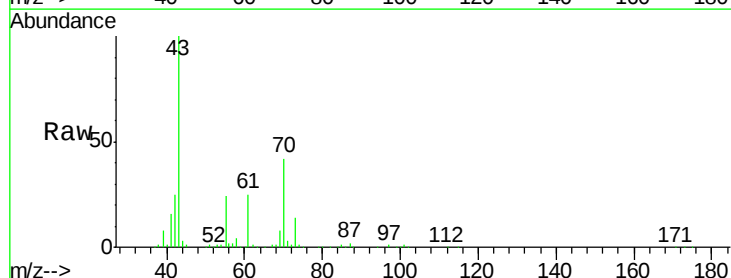
Ion Ratio Lower Upper

43 100

70 41.7 33.4 50.2

55 24.2 19.0 28.6

61 24.3 19.3 28.9

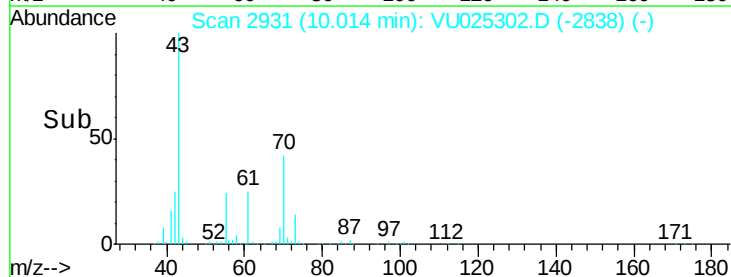
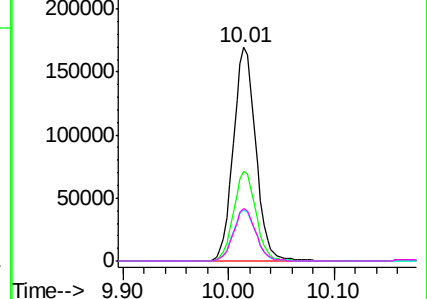


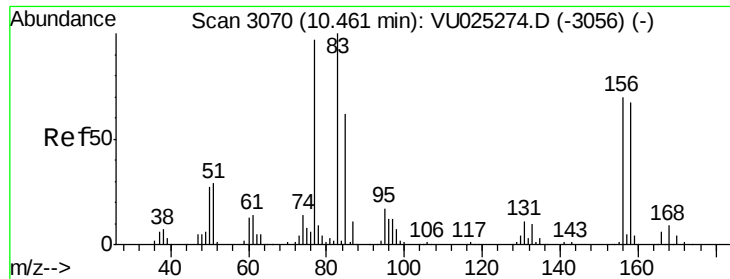
Abundance Ion 43.00 (42.70 to 43.70): VU0

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: 52.41 ug/l

RT: 10.46 min Scan# 3070

Delta R.T. 0.00 min

Lab File: VU025302.D

Acq: 10 Jul 2018 20:33

Instrument :

MSVOA_U

ClientSampleId :

BR-1-070518MS

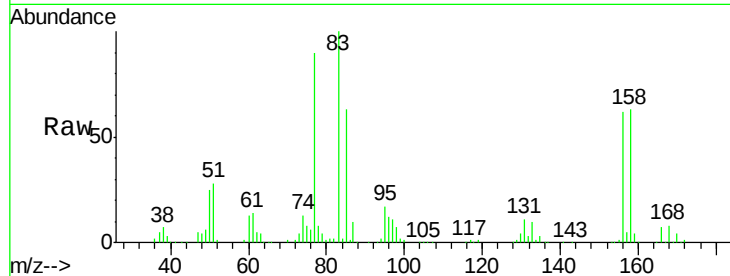
Tot Ion: 83 Resp: 204781

Ion Ratio Lower Upper

83 100

131 11.1 5.5 16.4

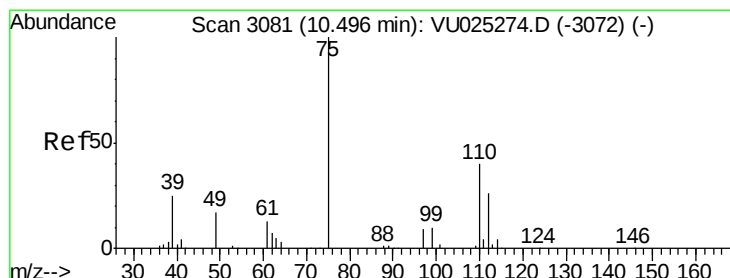
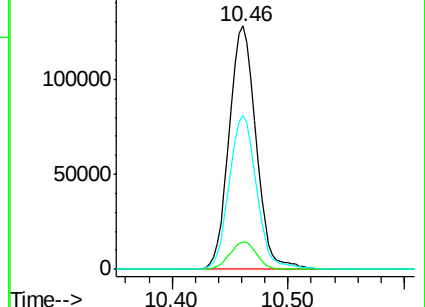
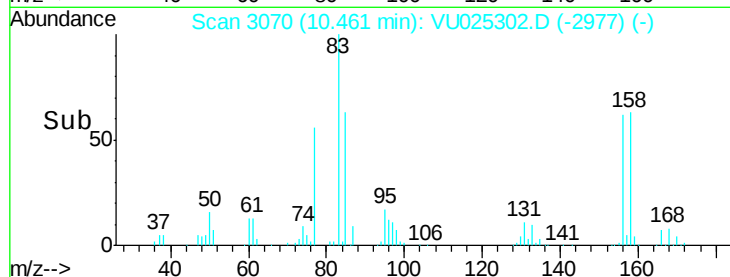
85 64.3 31.6 94.8



Abundance Ion 82.90 (82.60 to 83.60): VU025302.D (-2977) (-)

Ion 130.80 (130.50 to 131.50): VU025302.D (-2977) (-)

Ion 84.90 (84.60 to 85.60): VU025302.D (-2977) (-)



#76

1,2,3-Trichloropropane

Concen: 71.47 ug/l

RT: 10.50 min Scan# 3081

Delta R.T. 0.00 min

Lab File: VU025302.D

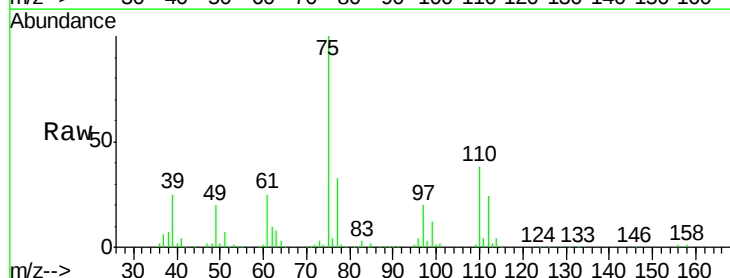
Acq: 10 Jul 2018 20:33

Tgt Ion: 75 Resp: 231967

Ion Ratio Lower Upper

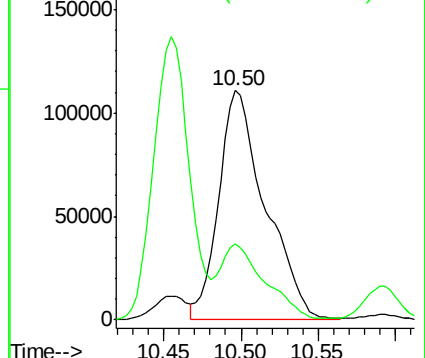
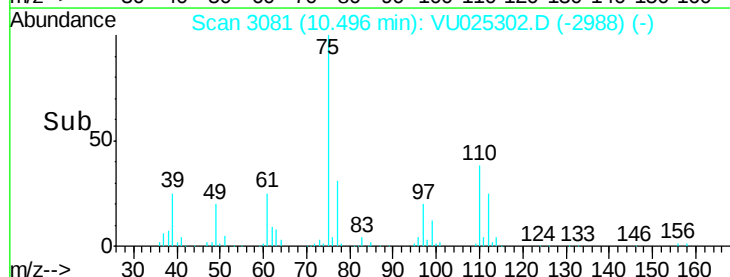
75 100

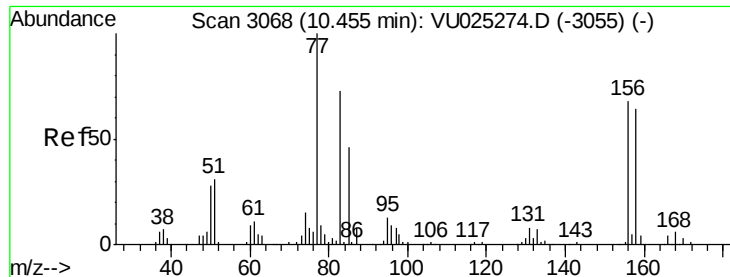
77 32.2 20.4 61.3



Abundance Ion 74.90 (74.60 to 75.60): VU025302.D (-2988) (-)

Ion 77.00 (76.70 to 77.70): VU025302.D (-2988) (-)

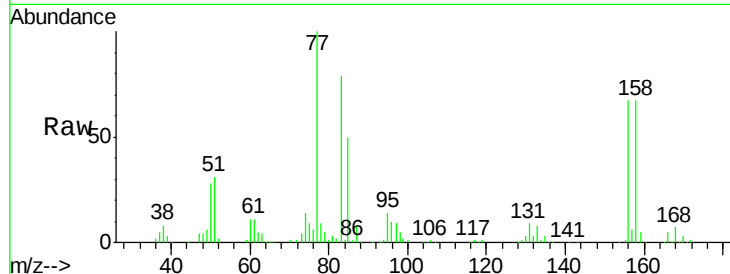




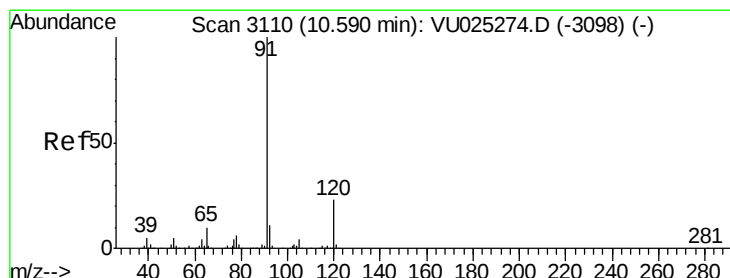
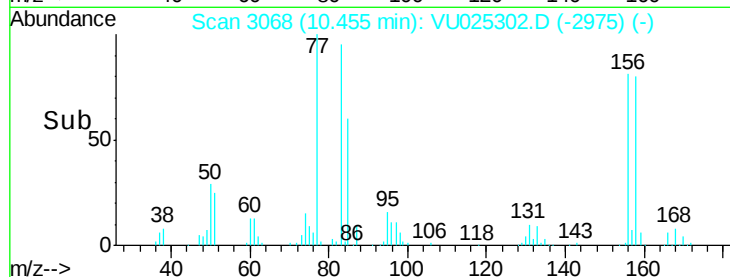
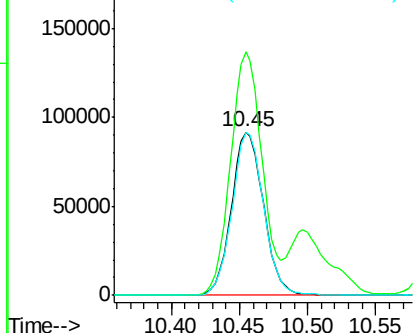
#77
Bromobenzene
Concen: 48.89 ug/l
RT: 10.45 min Scan# 3068
Delta R.T. 0.00 min
Lab File: VU025302.D
Acq: 10 Jul 2018 20:33

Instrument :
MSVOA_U
ClientSampleId :
BR-1-070518MS

Tot Ion:156 Resp: 149367
Ion Ratio Lower Upper
156 100
77 147.6 73.8 221.4
158 98.3 48.0 144.0

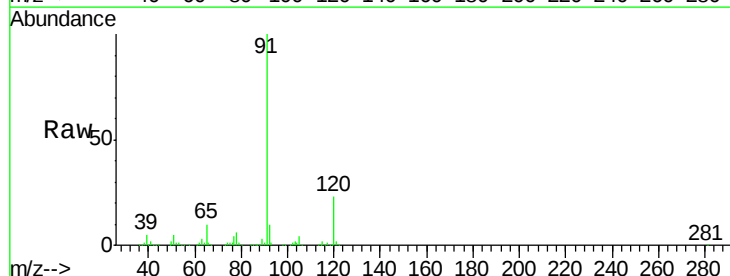


Abundance Ion 155.80 (155.50 to 156.50): V
Ion 77.00 (76.70 to 77.70): VU0
Ion 157.80 (157.50 to 158.50): V

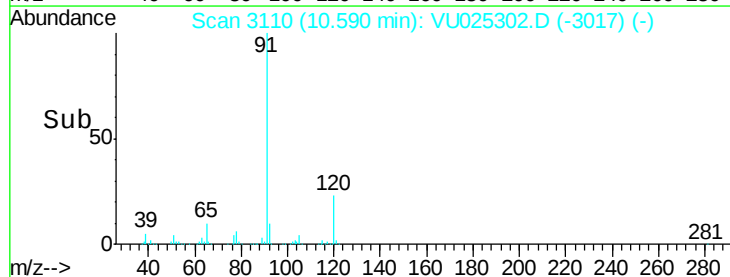
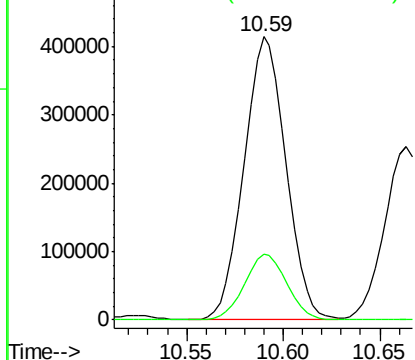


#78
n-propylbenzene
Concen: 46.98 ug/l
RT: 10.59 min Scan# 3110
Delta R.T. 0.00 min
Lab File: VU025302.D
Acq: 10 Jul 2018 20:33

Tgt Ion: 91 Resp: 622608
Ion Ratio Lower Upper
91 100
120 23.5 11.8 35.3



Abundance Ion 91.00 (90.70 to 91.70): VU0
Ion 120.00 (119.70 to 120.70): V

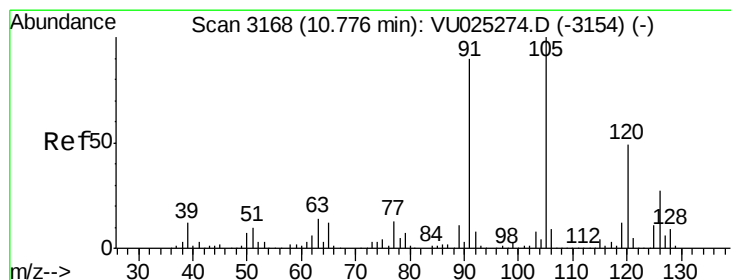
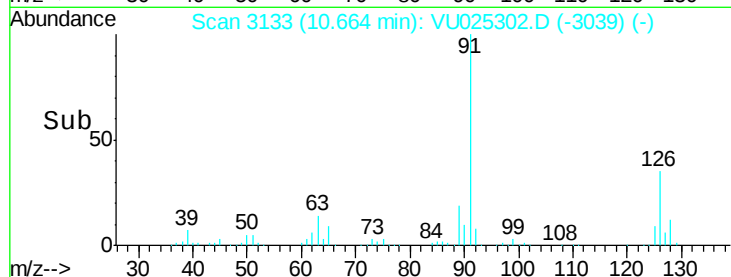
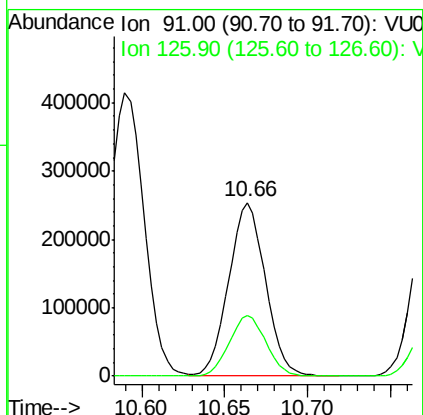
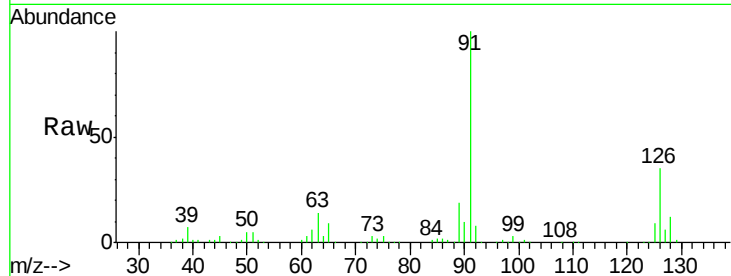




#79
 2-Chlorotoluene
 Concen: 50.98 ug/l
 RT: 10.66 min Scan# 3133
 Delta R.T. 0.00 min
 Lab File: VU025302.D
 Acq: 10 Jul 2018 20:33

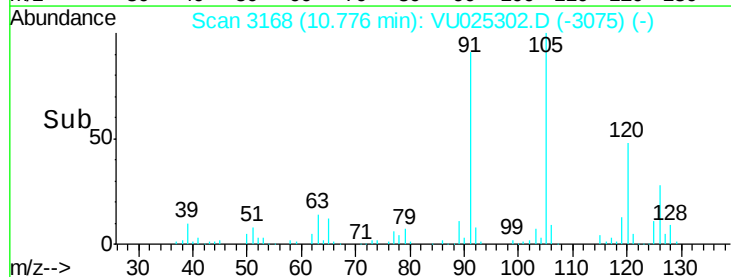
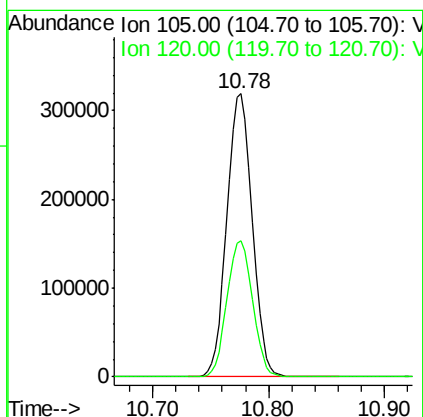
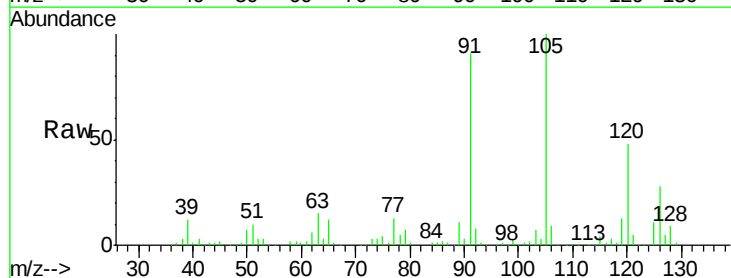
Instrument :
 MSVOA_U
 ClientSampleId :
 BR-1-070518MS

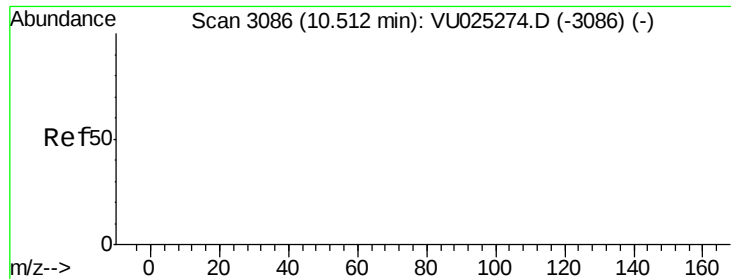
Tot Ion: 91 Resp: 387913
 Ion Ratio Lower Upper
 91 100
 126 35.2 17.5 52.6



#80
 1,3,5-Trimethylbenzene
 Concen: 47.75 ug/l
 RT: 10.78 min Scan# 3168
 Delta R.T. 0.00 min
 Lab File: VU025302.D
 Acq: 10 Jul 2018 20:33

Tgt Ion: 105 Resp: 479811
 Ion Ratio Lower Upper
 105 100
 120 48.7 24.1 72.2

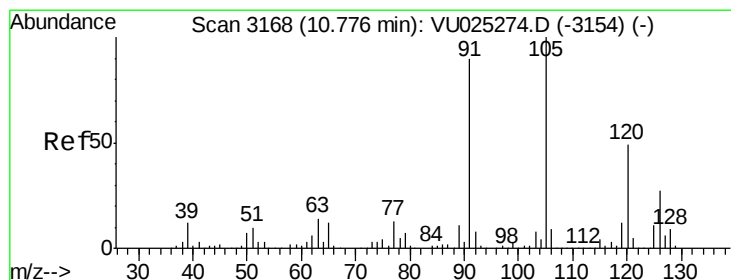
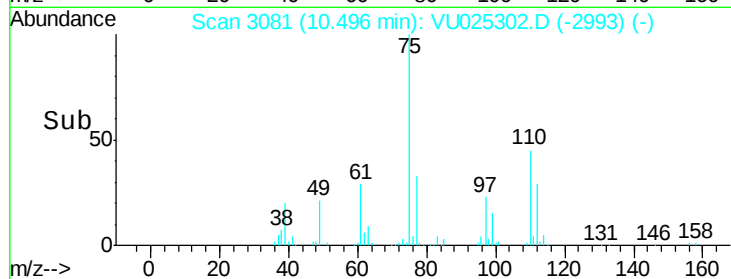
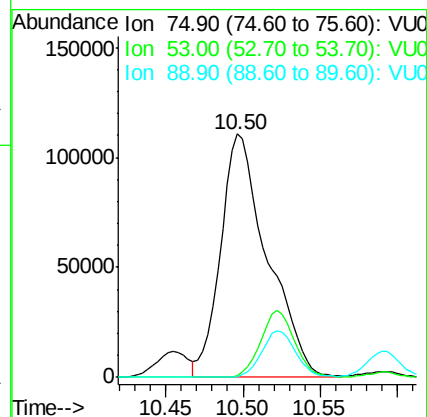
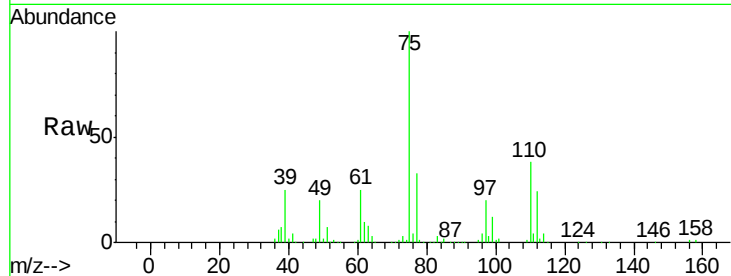




#81
trans-1,4-Dichloro-2-butene
Concen: 186.29 ug/l
RT: 10.50 min Scan# 3081
Delta R.T. -0.02 min
Lab File: VU025302.D
Acq: 10 Jul 2018 20:33

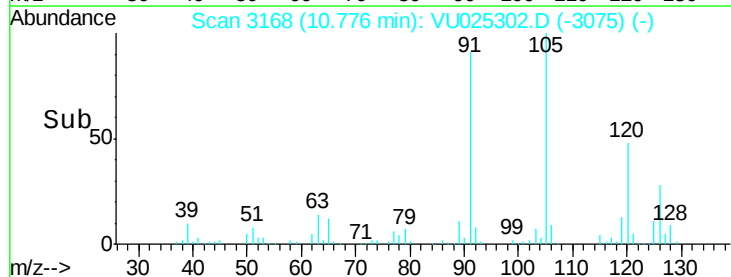
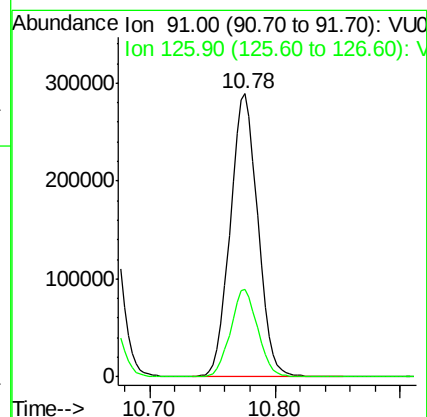
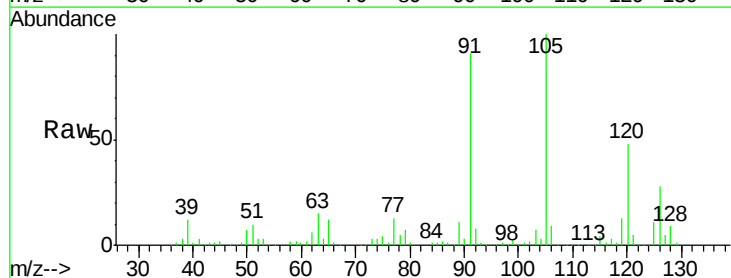
Instrument :
MSVOA_U
ClientSampleId :
BR-1-070518MS

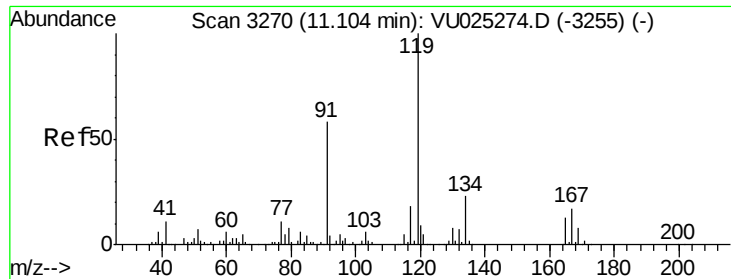
Tot Ion: 75 Resp: 231967
Ion Ratio Lower Upper
75 100
53 0.0 0.0 0.0
89 0.0 0.0 0.0



#82
4-Chlorotoluene
Concen: 47.07 ug/l
RT: 10.78 min Scan# 3168
Delta R.T. 0.00 min
Lab File: VU025302.D
Acq: 10 Jul 2018 20:33

Tgt Ion: 91 Resp: 441662
Ion Ratio Lower Upper
91 100
126 30.6 15.3 45.9

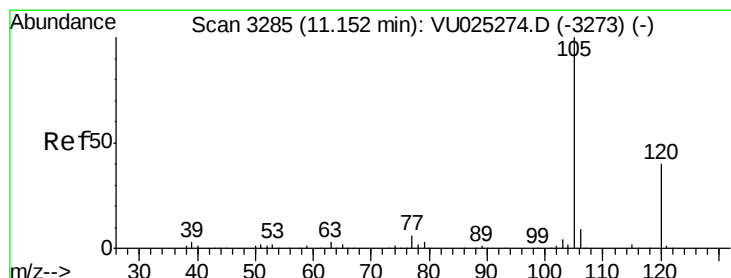
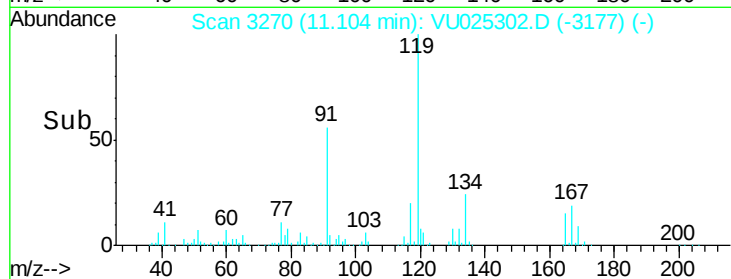
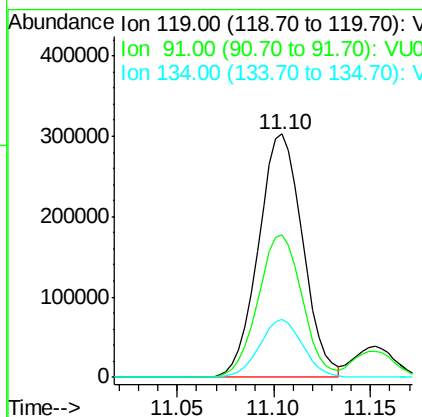
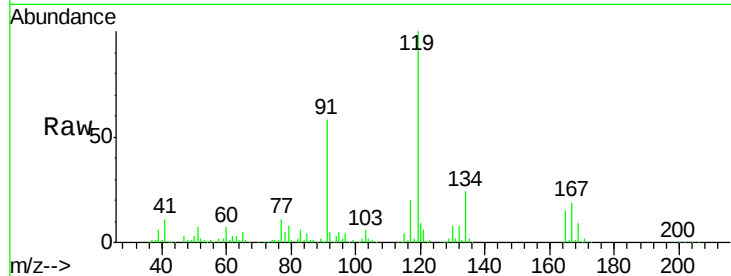




#83
 tert-Butylbenzene
 Concen: 47.37 ug/l
 RT: 11.10 min Scan# 3270
 Delta R.T. 0.00 min
 Lab File: VU025302.D
 Acq: 10 Jul 2018 20:33

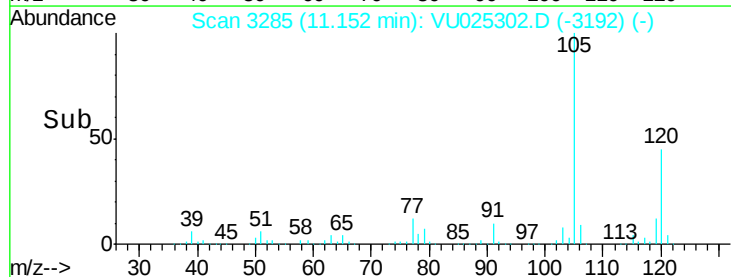
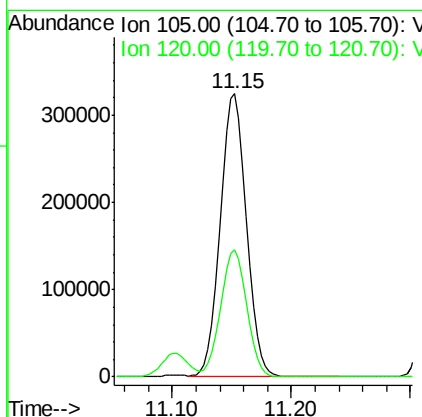
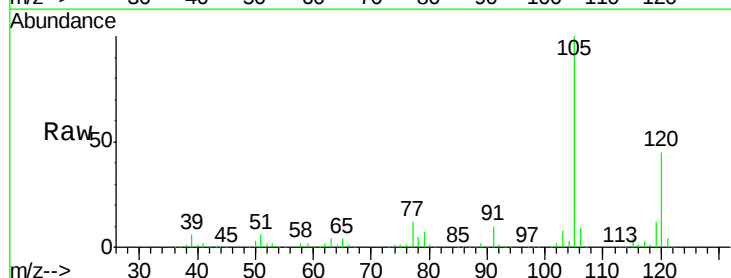
Instrument :
 MSVOA_U
 ClientSampleId :
 BR-1-070518MS

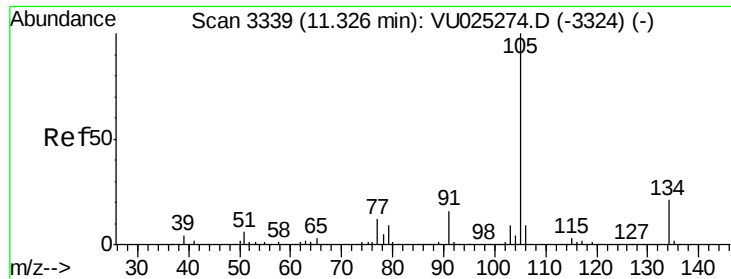
Tot Ion:119 Resp: 481042
 Ion Ratio Lower Upper
 119 100
 91 58.5 29.7 89.1
 134 23.1 11.5 34.5



#84
 1,2,4-Trimethylbenzene
 Concen: 47.82 ug/l
 RT: 11.15 min Scan# 3285
 Delta R.T. 0.00 min
 Lab File: VU025302.D
 Acq: 10 Jul 2018 20:33

Tgt Ion:105 Resp: 492487
 Ion Ratio Lower Upper
 105 100
 120 45.0 22.3 66.8

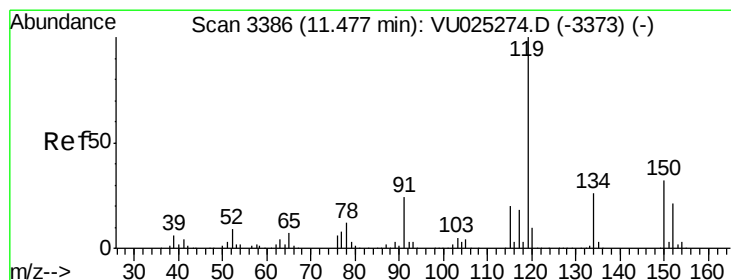
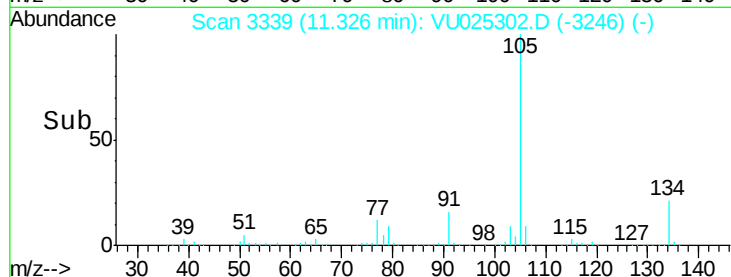
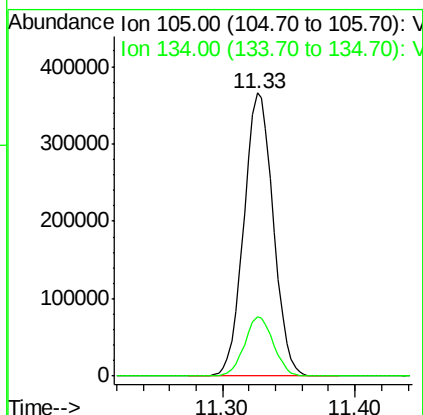
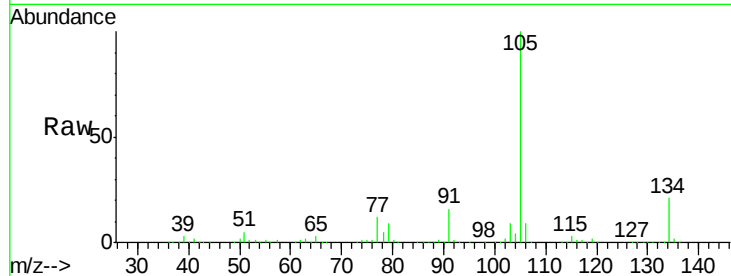




#85
 sec-Butylbenzene
 Concen: 46.90 ug/l
 RT: 11.33 min Scan# 3339
 Delta R.T. 0.00 min
 Lab File: VU025302.D
 Acq: 10 Jul 2018 20:33

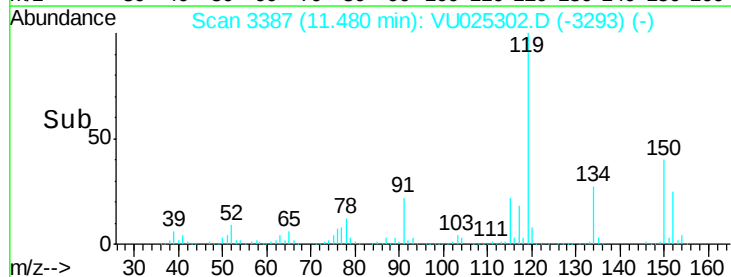
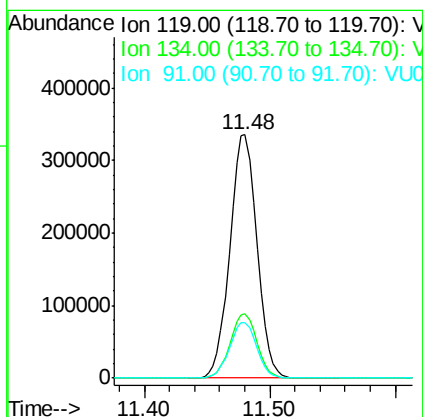
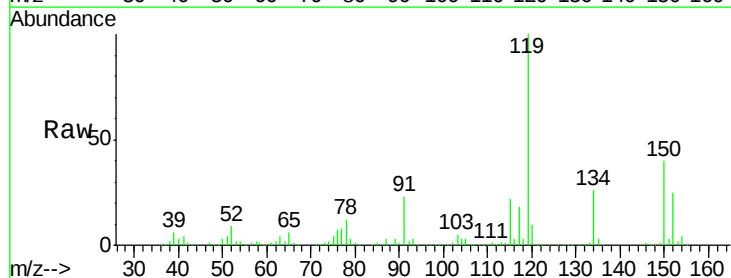
Instrument :
 MSVOA_U
 ClientSampleId :
 BR-1-070518MS

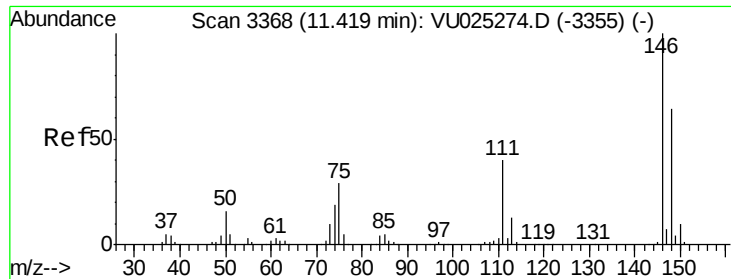
Tot Ion:105 Resp: 560701
 Ion Ratio Lower Upper
 105 100
 134 20.7 10.3 30.8



#86
 p-Isopropyltoluene
 Concen: 47.31 ug/l
 RT: 11.48 min Scan# 3387
 Delta R.T. 0.00 min
 Lab File: VU025302.D
 Acq: 10 Jul 2018 20:33

Tgt Ion:119 Resp: 500834
 Ion Ratio Lower Upper
 119 100
 134 26.3 13.2 39.5
 91 23.0 12.0 36.1

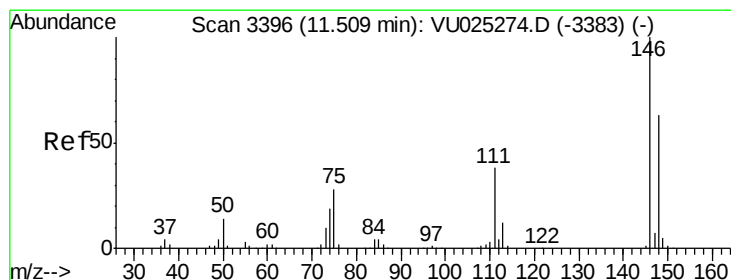
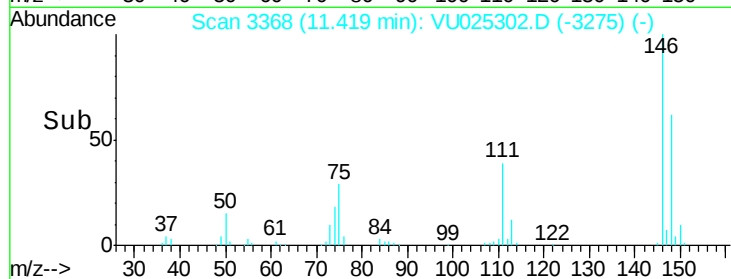
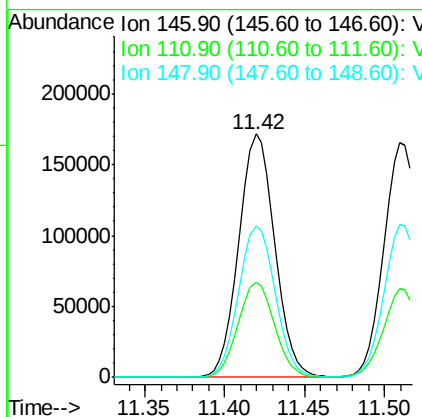
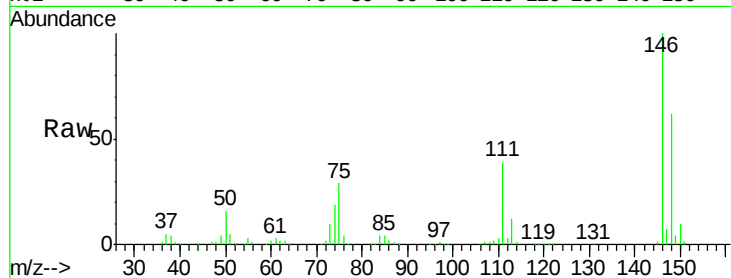




#87
 1,3-Dichlorobenzene
 Concen: 47.12 ug/l
 RT: 11.42 min Scan# 3368
 Delta R.T. 0.00 min
 Lab File: VU025302.D
 Acq: 10 Jul 2018 20:33

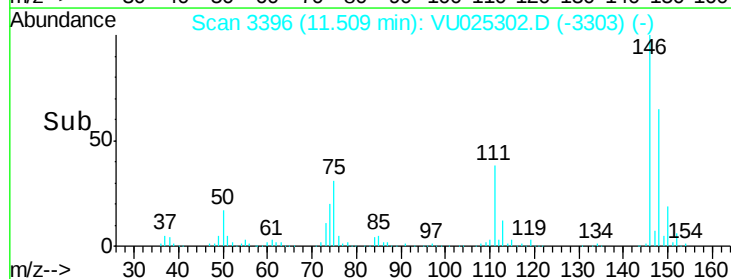
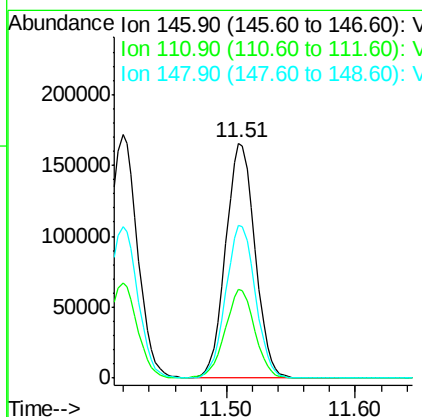
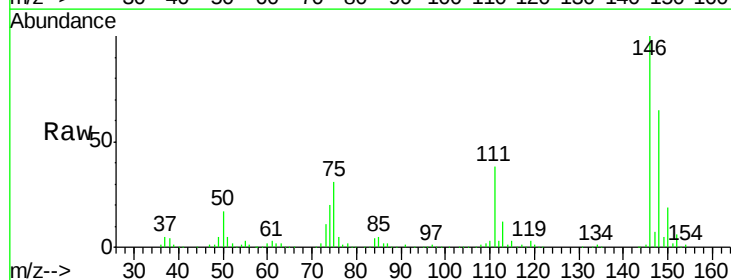
Instrument :
 MSVOA_U
 ClientSampleId :
 BR-1-070518MS

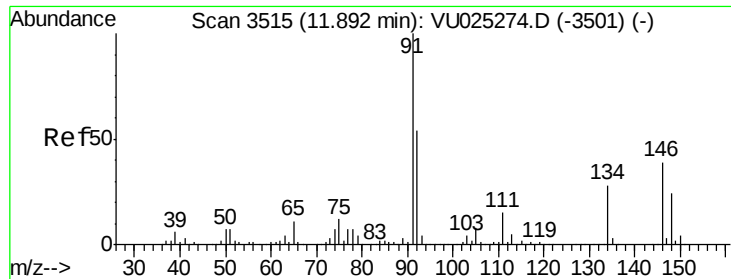
Tot Ion:146 Resp: 263077
 Ion Ratio Lower Upper
 146 100
 111 39.6 19.7 59.1
 148 63.5 32.1 96.3



#88
 1,4-Dichlorobenzene
 Concen: 47.89 ug/l
 RT: 11.51 min Scan# 3396
 Delta R.T. 0.00 min
 Lab File: VU025302.D
 Acq: 10 Jul 2018 20:33

Tgt Ion:146 Resp: 260817
 Ion Ratio Lower Upper
 146 100
 111 38.2 19.4 58.1
 148 65.6 31.7 95.1

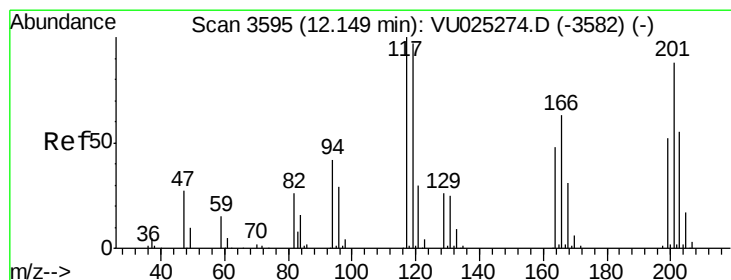
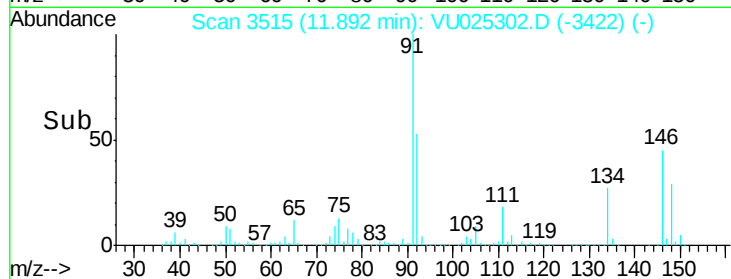
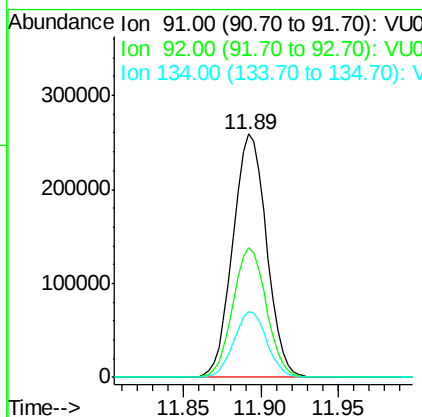
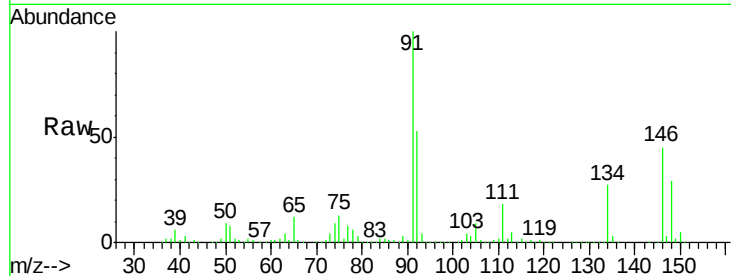




#89
n-Butylbenzene
Concen: 44.91 ug/l
RT: 11.89 min Scan# 3515
Delta R.T. 0.00 min
Lab File: VU025302.D
Acq: 10 Jul 2018 20:33

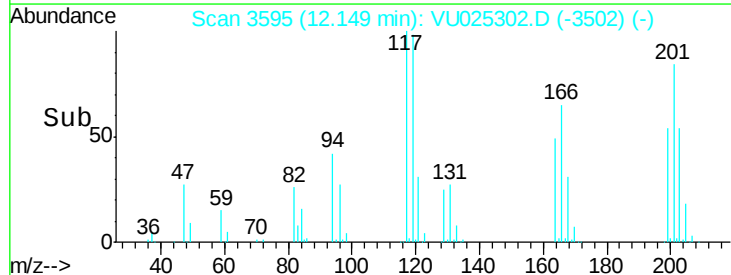
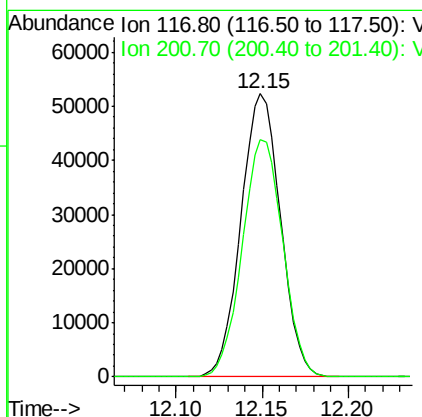
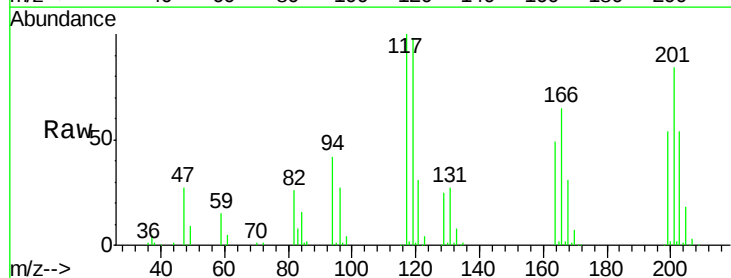
Instrument :
MSVOA_U
ClientSampleId :
BR-1-070518MS

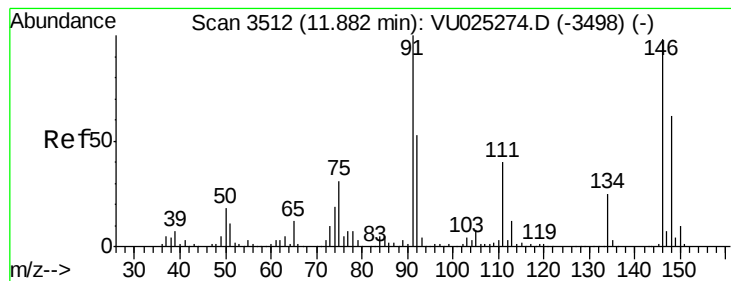
Tot Ion: 91 Resp: 390884
Ion Ratio Lower Upper
91 100
92 52.9 26.5 79.5
134 26.5 13.6 40.7



#90
Hexachloroethane
Concen: 46.59 ug/l
RT: 12.15 min Scan# 3595
Delta R.T. 0.00 min
Lab File: VU025302.D
Acq: 10 Jul 2018 20:33

Tgt Ion: 117 Resp: 83522
Ion Ratio Lower Upper
117 100
201 85.8 42.5 127.6





#91

1,2-Dichlorobenzene

Concen: 49.54 ug/l

RT: 11.88 min Scan# 3512

Delta R.T. 0.00 min

Lab File: VU025302.D

Acq: 10 Jul 2018 20:33

Instrument :

MSVOA_U

ClientSampleId :

BR-1-070518MS

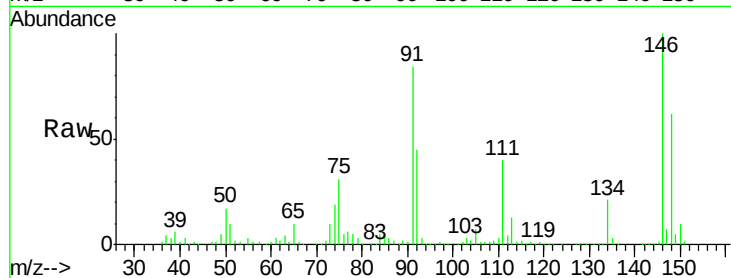
Tot Ion:146 Resp: 279341

Ion Ratio Lower Upper

146 100

111 40.1 20.6 61.8

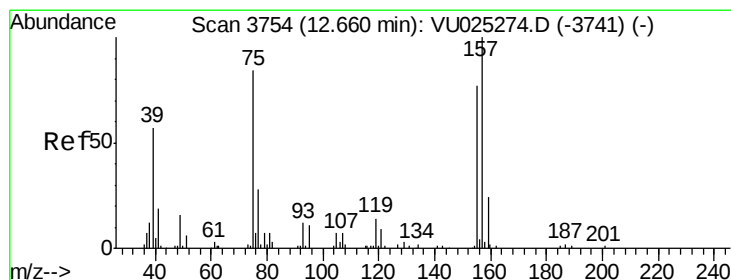
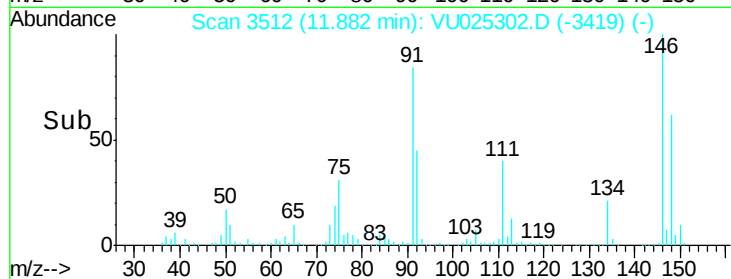
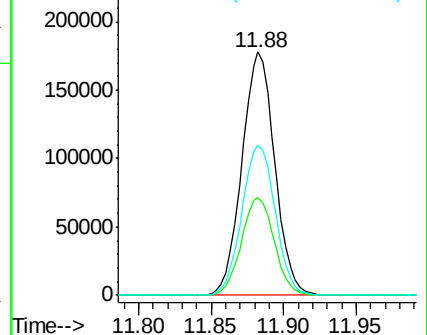
148 63.0 31.5 94.5



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: 54.58 ug/l

RT: 12.66 min Scan# 3754

Delta R.T. 0.00 min

Lab File: VU025302.D

Acq: 10 Jul 2018 20:33

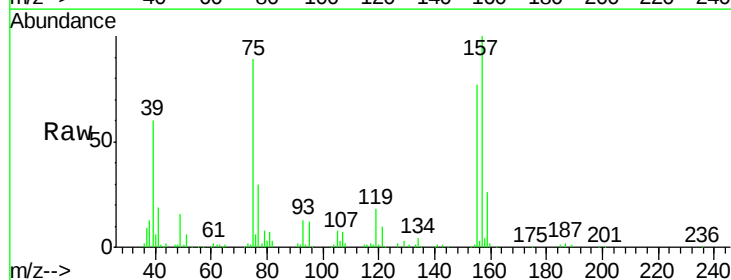
Tgt Ion: 75 Resp: 51724

Ion Ratio Lower Upper

75 100

155 86.9 44.5 133.3

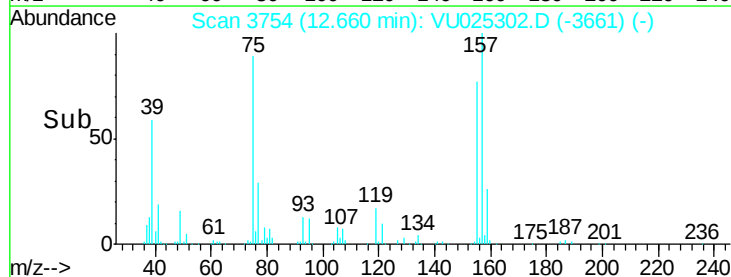
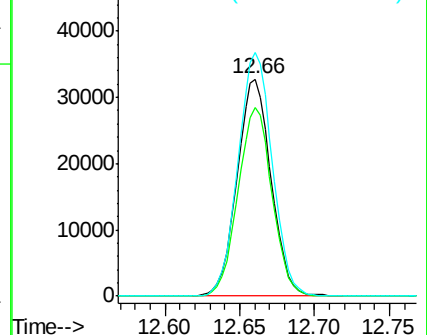
157 113.1 57.0 170.8

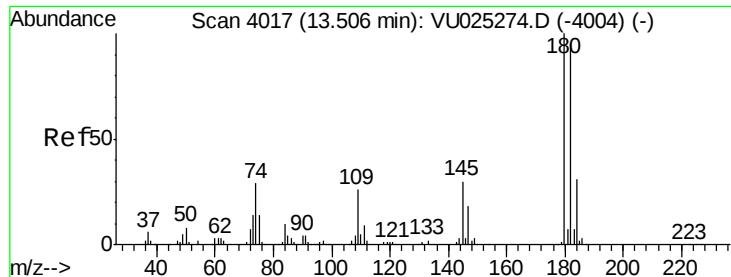


Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

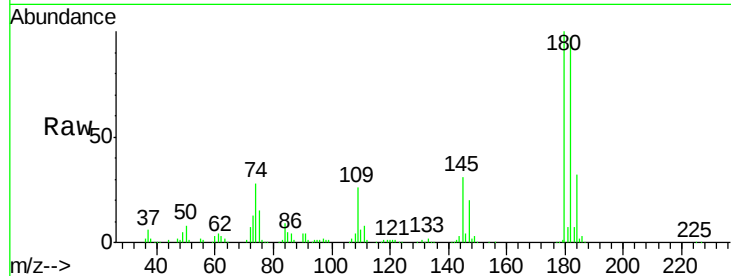




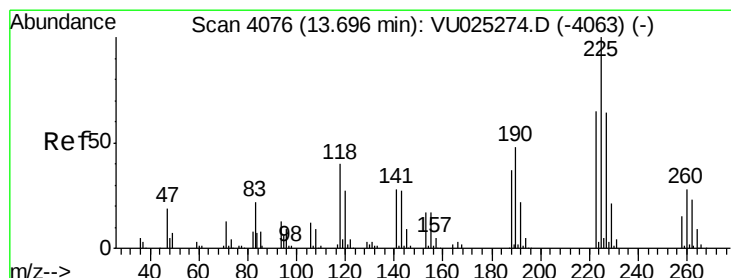
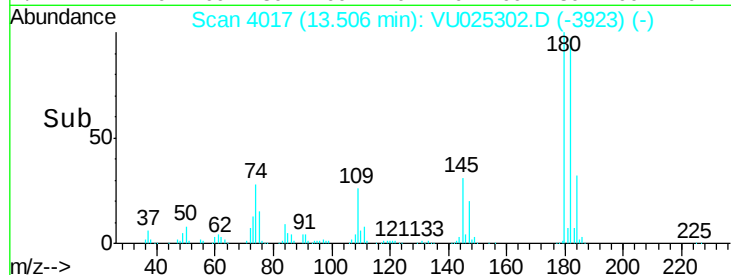
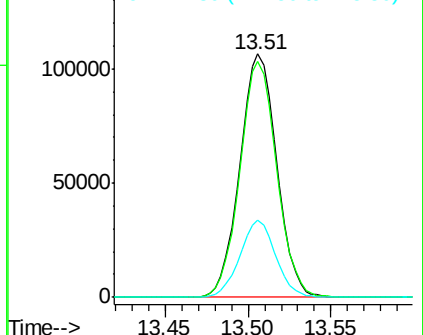
#93
 1,2,4-Trichlorobenzene
 Concen: 44.15 ug/l
 RT: 13.51 min Scan# 4017
 Delta R.T. 0.00 min
 Lab File: VU025302.D
 Acq: 10 Jul 2018 20:33

Instrument :
 MSVOA_U
 ClientSampleId :
 BR-1-070518MS

Tot Ion	Ratio	Lower	Upper
180	100		
182	96.5	47.3	141.9
145	30.7	14.9	44.7

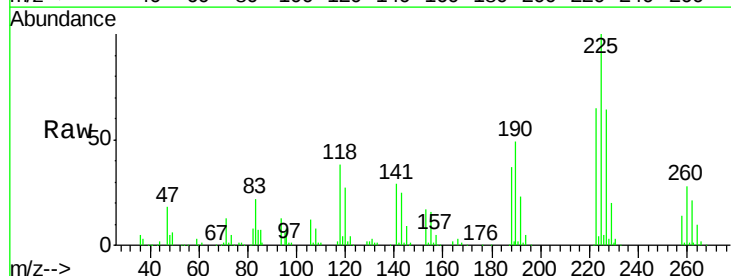


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

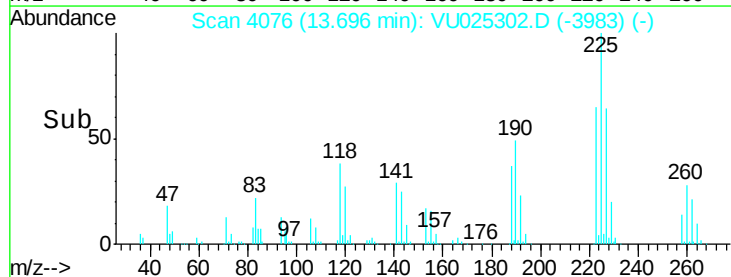
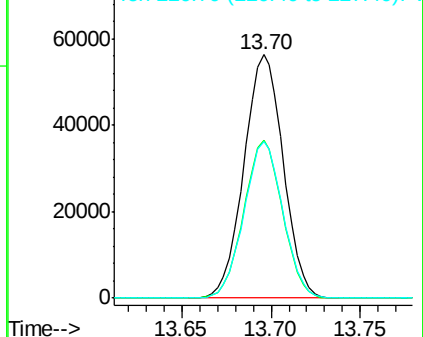


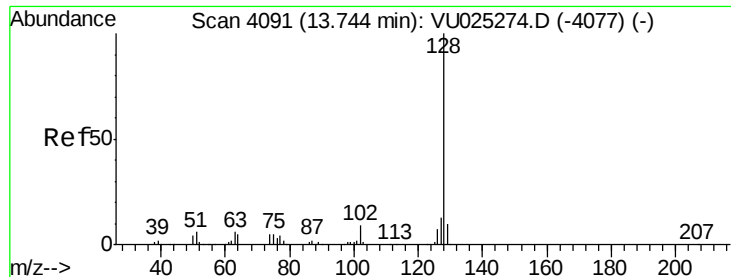
#94
 Hexachlorobutadiene
 Concen: 43.08 ug/l
 RT: 13.70 min Scan# 4076
 Delta R.T. 0.00 min
 Lab File: VU025302.D
 Acq: 10 Jul 2018 20:33

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.8	31.9	95.7
227	63.6	32.3	96.9



Abundance Ion 224.70 (224.40 to 225.40): V
 Ion 222.70 (222.40 to 223.40): V
 Ion 226.70 (226.40 to 227.40): V

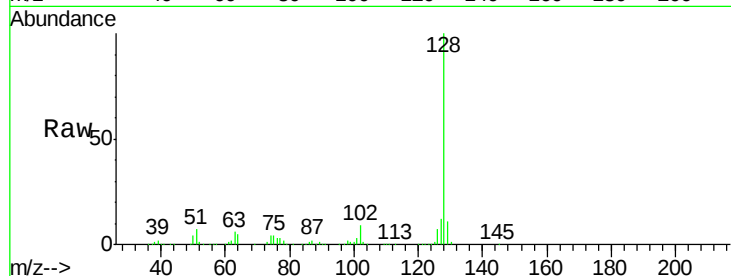




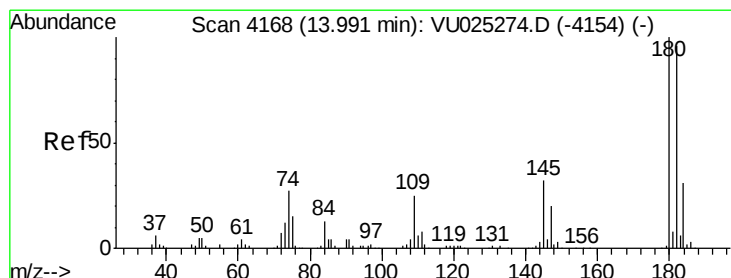
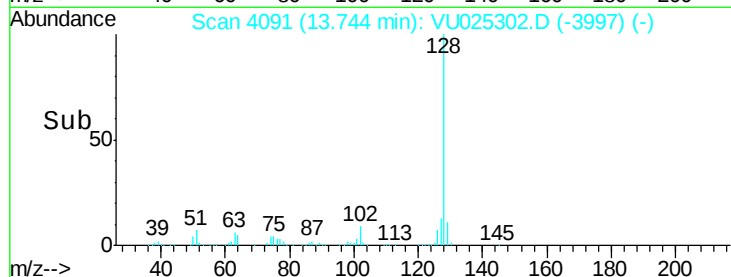
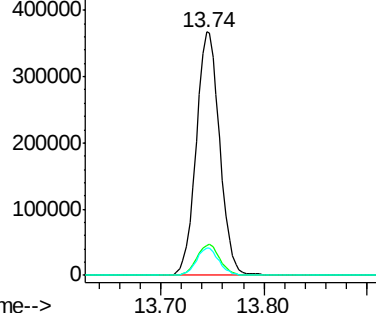
#95
Naphthalene
Concen: 50.66 ug/l
RT: 13.74 min Scan# 4091
Delta R.T. 0.00 min
Lab File: VU025302.D
Acq: 10 Jul 2018 20:33

Instrument :
MSVOA_U
ClientSampleId :
BR-1-070518MS

Tot Ion:128 Resp: 581754
Ion Ratio Lower Upper
128 100
127 12.6 10.5 15.7
129 10.9 8.3 12.5

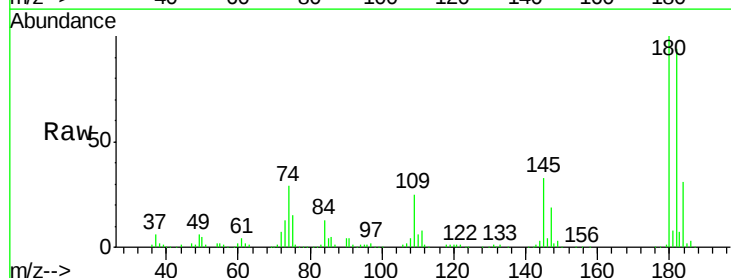


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96
1,2,3-Trichlorobenzene
Concen: 47.11 ug/l
RT: 13.99 min Scan# 4167
Delta R.T. -0.00 min
Lab File: VU025302.D
Acq: 10 Jul 2018 20:33

Tgt Ion:180 Resp: 180024
Ion Ratio Lower Upper
180 100
182 95.1 47.8 143.3
145 32.3 15.6 46.8



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

