

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U071018\
 Data File : VU025303.D
 Acq On : 10 Jul 2018 20:57
 Operator : MD/SY
 Sample : J3905-09MSD
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 BR-1-070518MSD

Quant Time: Jul 11 02:07:06 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	187425	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	285025	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	268590	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.49	152	160013	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.31	65	127231	43.69	ug/l	0.00
Spiked Amount			Recovery	=	87.38%	
35) Dibromofluoromethane	4.89	113	105771	43.99	ug/l	0.00
Spiked Amount			Recovery	=	87.98%	
50) Toluene-d8	7.57	98	345386	41.95	ug/l	0.00
Spiked Amount			Recovery	=	83.90%	
62) 4-Bromofluorobenzene	10.31	95	143630	43.33	ug/l	0.00
Spiked Amount			Recovery	=	86.66%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	82100	42.33	ug/l	99
3) Chloromethane	1.33	50	93272	48.28	ug/l	98
4) Vinyl Chloride	1.40	62	101650	47.69	ug/l	99
5) Bromomethane	1.61	94	59260	55.00	ug/l	98
6) Chloroethane	1.69	64	64863	47.86	ug/l	97
7) Trichlorofluoromethane	1.88	101	154623	46.16	ug/l	100
8) Diethyl Ether	2.10	74	63421	50.45	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	2.28	101	95368	45.94	ug/l	99
10) Methyl Iodide	2.41	142	93260	41.66	ug/l	99
11) Tert butyl alcohol	2.83	59	172813	272.05	ug/l	99
12) 1,1-Dichloroethene	2.28	96	91506	48.16	ug/l	95
13) Acrolein	2.19	56	69815	166.13	ug/l	98
14) Allyl chloride	2.59	41	156284	45.36	ug/l	99
15) Acrylonitrile	2.94	53	346430	265.26	ug/l	99
16) Acetone	2.32	43	324558	219.04	ug/l	98
17) Carbon Disulfide	2.48	76	239113	43.34	ug/l	100
18) Methyl Acetate	2.62	43	158288	53.09	ug/l	99
19) Methyl tert-butyl Ether	3.00	73	375541	51.97	ug/l	100
20) Methylene Chloride	2.70	84	112265	49.84	ug/l	97
21) trans-1,2-Dichloroethene	2.98	96	101275	46.65	ug/l	99
22) Diisopropyl ether	3.57	45	357502	50.81	ug/l	96
23) Vinyl Acetate	3.53	43	1531061	248.04	ug/l	99
24) 1,1-Dichloroethane	3.45	63	200939	50.64	ug/l	99
25) 2-Butanone	4.26	43	503476	249.46	ug/l	100
26) 2,2-Dichloropropane	4.23	77	157726	41.34	ug/l	98
27) cis-1,2-Dichloroethene	4.23	96	123441	49.14	ug/l	98
28) Bromochloromethane	4.55	49	93775	48.94	ug/l	98
29) Tetrahydrofuran	4.63	42	317221	262.04	ug/l	100
30) Chloroform	4.68	83	216726	51.57	ug/l	99
31) Cyclohexane	5.00	56	162520	44.28	ug/l	99
32) 1,1,1-Trichloroethane	4.92	97	194090	50.96	ug/l	99
36) 1,1-Dichloropropene	5.14	75	147394	46.52	ug/l	99
37) Ethyl Acetate	4.38	43	177930	50.35	ug/l	100
38) Carbon Tetrachloride	5.14	117	167703	49.17	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.42	83	161759	40.93	ug/l	96
40) Benzene	5.39	78	440416	48.23	ug/l	98
41) Methacrylonitrile	4.54	41	102720	52.43	ug/l	99
42) 1,2-Dichloroethane	5.41	62	179114	49.34	ug/l	99
43) Isopropyl Acetate	5.55	43	283532	50.10	ug/l	100
44) Trichloroethene	6.19	130	124171	47.36	ug/l	99
45) 1,2-Dichloropropane	6.44	63	121591	50.84	ug/l	97
46) Dibromomethane	6.56	93	85891	49.35	ug/l	99
47) Bromodichloromethane	6.76	83	163247	50.49	ug/l	96
48) Methyl methacrylate	6.62	41	147139	52.16	ug/l	99
49) 1,4-Dioxane	6.62	88	64354	948.00	ug/l	99
51) 4-Methyl-2-Pentanone	7.46	43	957427	260.30	ug/l	100
52) Toluene	7.64	92	283324	48.77	ug/l	100
53) t-1,3-Dichloropropene	7.88	75	173187	48.75	ug/l	97
54) cis-1,3-Dichloropropene	7.27	75	182778	48.34	ug/l	98
55) 1,1,2-Trichloroethane	8.07	97	120657	49.87	ug/l	97
56) Ethyl methacrylate	8.02	69	193227	51.13	ug/l	97
57) 1,3-Dichloropropane	8.25	76	201944	50.28	ug/l	100
58) 2-Chloroethyl Vinyl ether	7.15	63	136	11.23	ug/l #	47
59) 2-Hexanone	8.36	43	753463	252.55	ug/l	98
60) Dibromochloromethane	8.48	129	137369	52.57	ug/l	100
61) 1,2-Dibromoethane	8.59	107	132891	51.33	ug/l	98
64) Tetrachloroethene	8.23	164	119890	48.97	ug/l	100
65) Chlorobenzene	9.12	112	329959	49.18	ug/l	97
66) 1,1,1,2-Tetrachloroethane	9.21	131	127346	53.06	ug/l	99
67) Ethyl Benzene	9.25	91	557805	48.76	ug/l	100
68) m/p-Xylenes	9.38	106	435338	98.44	ug/l	100
69) o-Xylene	9.78	106	219544	49.59	ug/l	97
70) Styrene	9.80	104	358150	50.92	ug/l	98
71) Bromoform	9.96	173	109155	47.31	ug/l #	99
73) Isopropylbenzene	10.17	105	579654	47.41	ug/l	100
74) N-amyl acetate	10.01	43	249526	49.87	ug/l	99
75) 1,1,2,2-Tetrachloroethane	10.46	83	201295	50.33	ug/l	98
76) 1,2,3-Trichloropropane	10.50	75	229039	68.96	ug/l	83
77) Bromobenzene	10.45	156	153377	49.04	ug/l	99
78) n-propylbenzene	10.59	91	645019	47.54	ug/l	100
79) 2-Chlorotoluene	10.66	91	400053	51.35	ug/l	100
80) 1,3,5-Trimethylbenzene	10.78	105	495052	48.12	ug/l	99
81) trans-1,4-Dichloro-2-buten	10.50	75	229039	179.67	ug/l #	100
82) 4-Chlorotoluene	10.78	91	451835	47.03	ug/l	99
83) tert-Butylbenzene	11.10	119	506617	48.73	ug/l	98
84) 1,2,4-Trimethylbenzene	11.15	105	504994	47.90	ug/l	99
85) sec-Butylbenzene	11.33	105	590289	48.22	ug/l	100
86) p-Isopropyltoluene	11.48	119	516509	47.66	ug/l	99
87) 1,3-Dichlorobenzene	11.42	146	271281	47.46	ug/l	100
88) 1,4-Dichlorobenzene	11.51	146	271751	48.71	ug/l	100
89) n-Butylbenzene	11.89	91	404165	45.36	ug/l	99
90) Hexachloroethane	12.15	117	86251	47.00	ug/l	99
91) 1,2-Dichlorobenzene	11.88	146	282096	48.87	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.66	75	51713	53.31	ug/l	98

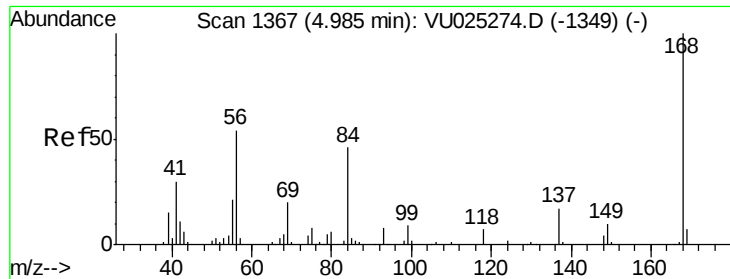
Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU071018\
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Quant Title : SW846 8260
QLast Update : Tue Jul 10 09:34:16 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.51	180	174632	45.49	ug/l	99
94) Hexachlorobutadiene	13.70	225	90747	43.95	ug/l	97
95) Naphthalene	13.74	128	609936	51.82	ug/l	99
96) 1,2,3-Trichlorobenzene	13.99	180	188273	48.07	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 4.99 min Scan# 1367

Delta R.T. 0.00 min

Lab File: VU025303.D

Acq: 10 Jul 2018 20:57

Instrument :

MSVOA_U

ClientSampleId :

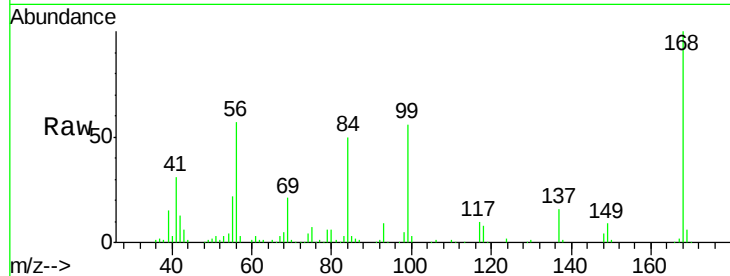
BR-1-070518MSD

Tot Ion:168 Resp: 187425

Ion Ratio Lower Upper

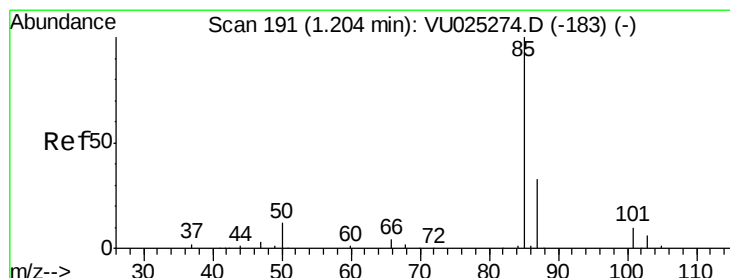
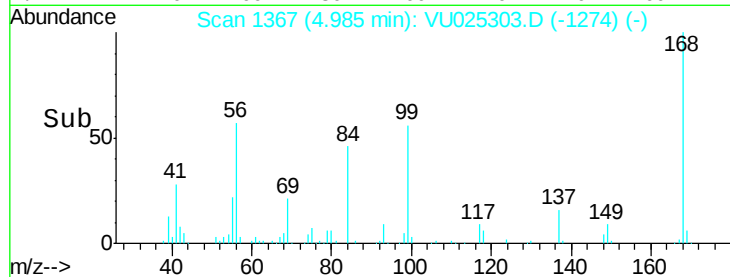
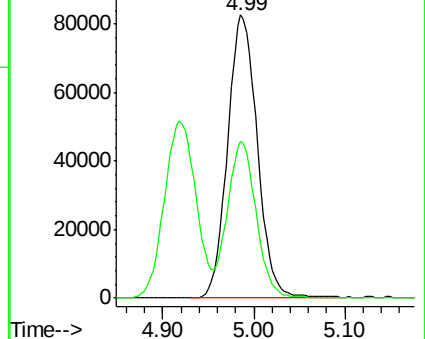
168 100

99 55.2 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) (-)



#2

Dichlorodifluoromethane

Concen: 42.33 ug/l

RT: 1.20 min Scan# 191

Delta R.T. 0.00 min

Lab File: VU025303.D

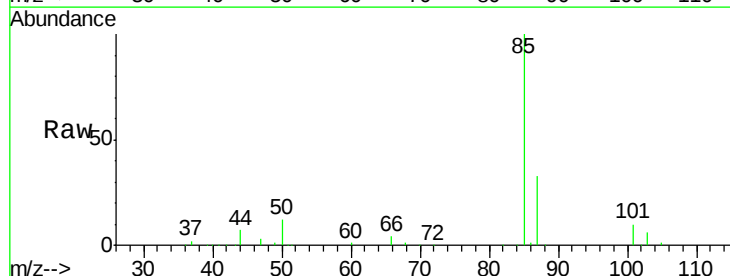
Acq: 10 Jul 2018 20:57

Tgt Ion: 85 Resp: 82100

Ion Ratio Lower Upper

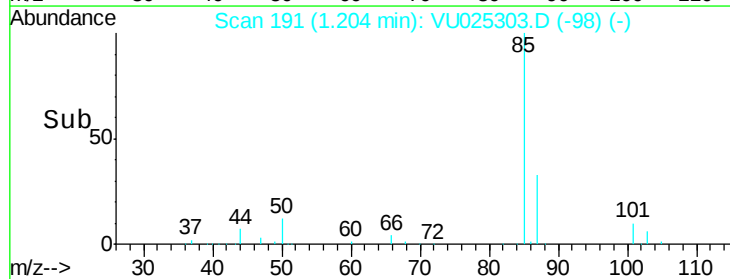
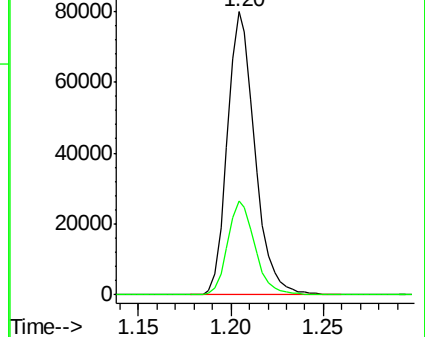
85 100

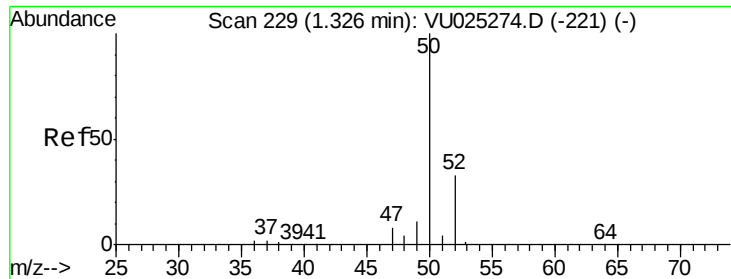
87 33.3 16.5 49.5



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

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

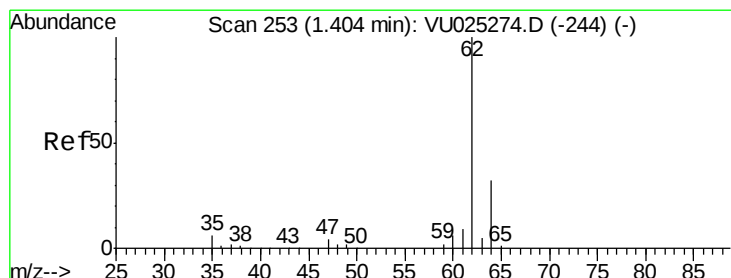
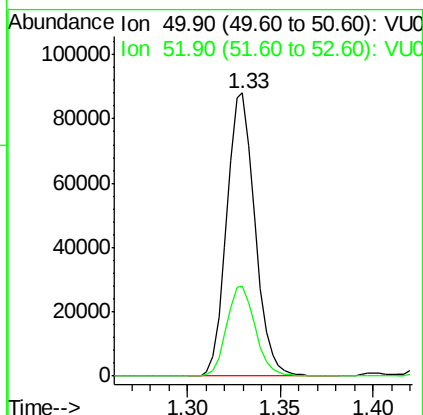
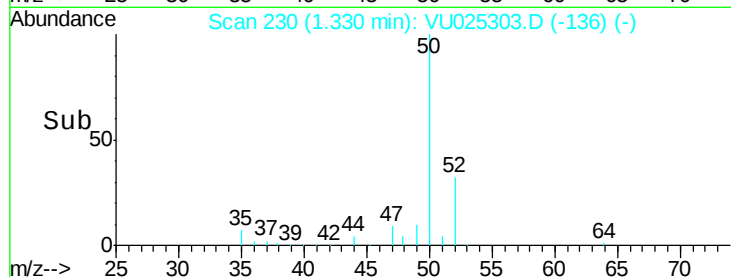
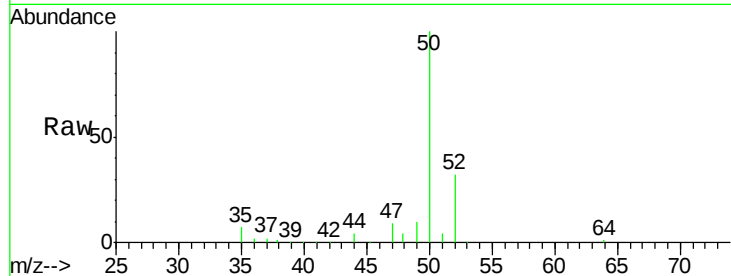




#3
 Chloromethane
 Concen: 48.28 ug/l
 RT: 1.33 min Scan# 230
 Delta R.T. 0.00 min
 Lab File: VU025303.D
 Acq: 10 Jul 2018 20:57

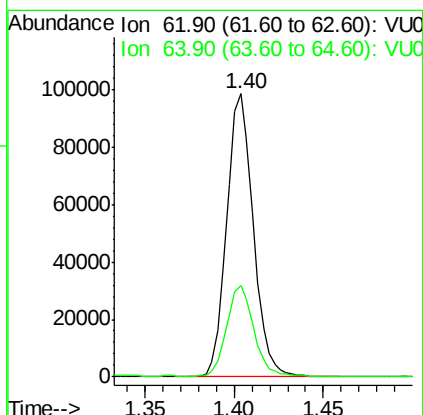
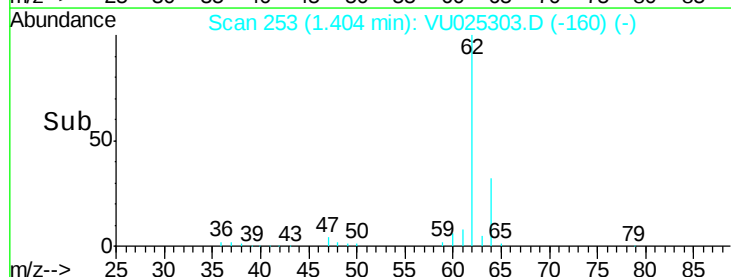
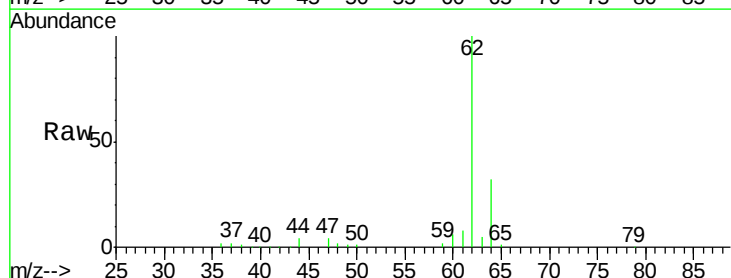
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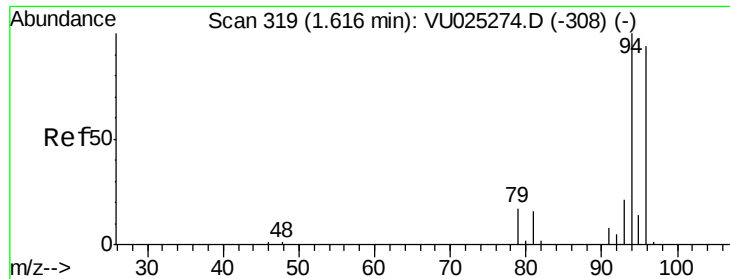
Tot Ion: 50 Resp: 93272
 Ion Ratio Lower Upper
 50 100
 52 31.9 26.5 39.7



#4
 Vinyl Chloride
 Concen: 47.69 ug/l
 RT: 1.40 min Scan# 253
 Delta R.T. 0.00 min
 Lab File: VU025303.D
 Acq: 10 Jul 2018 20:57

Tgt Ion: 62 Resp: 101650
 Ion Ratio Lower Upper
 62 100
 64 32.1 25.4 38.0

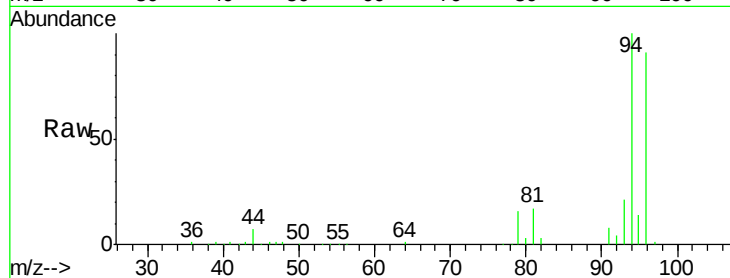




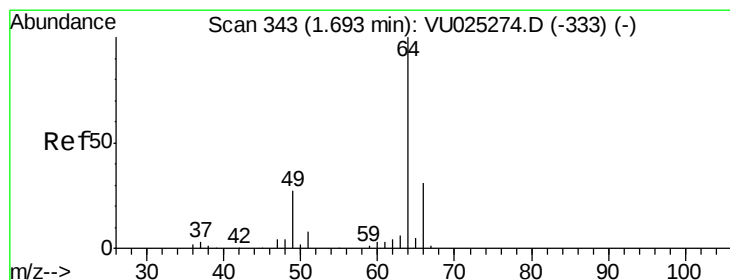
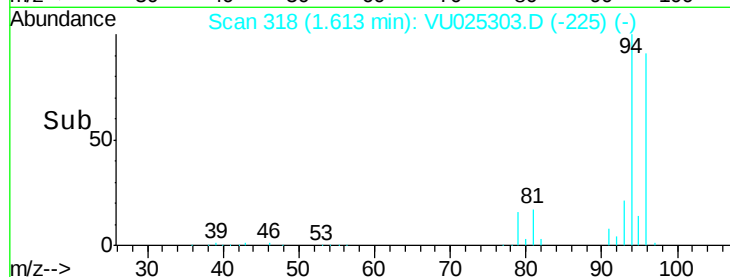
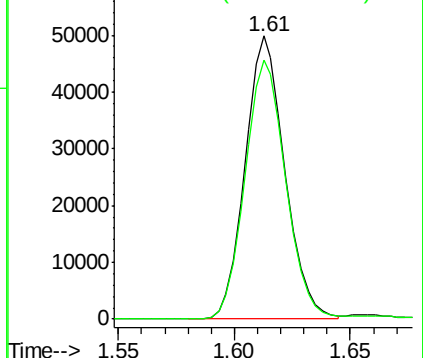
#5
Bromomethane
Concen: 55.00 ug/l
RT: 1.61 min Scan# 318
Delta R.T. -0.00 min
Lab File: VU025303.D
Acq: 10 Jul 2018 20:57

Instrument :
MSVOA_U
ClientSampleId :
BR-1-070518MSD

Tot Ion: 94 Resp: 59260
Ion Ratio Lower Upper
94 100
96 91.4 75.0 112.4

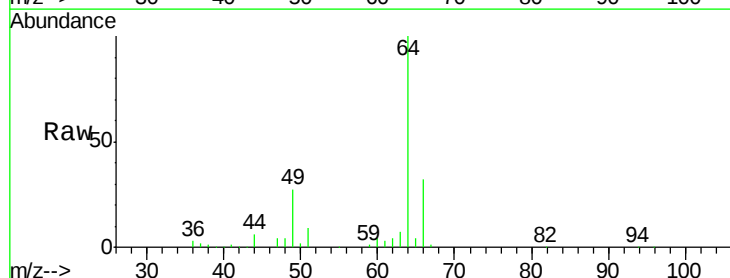


Abundance Ion 93.90 (93.60 to 94.60): VU0
Ion 95.90 (95.60 to 96.60): VU0

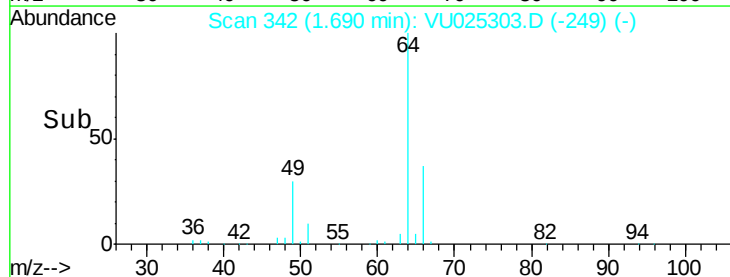
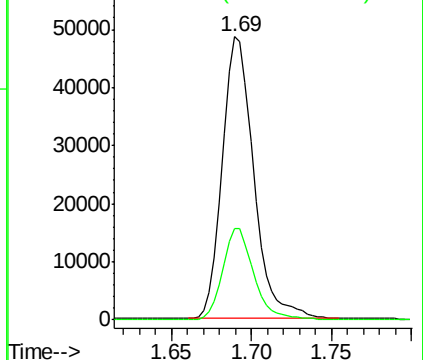


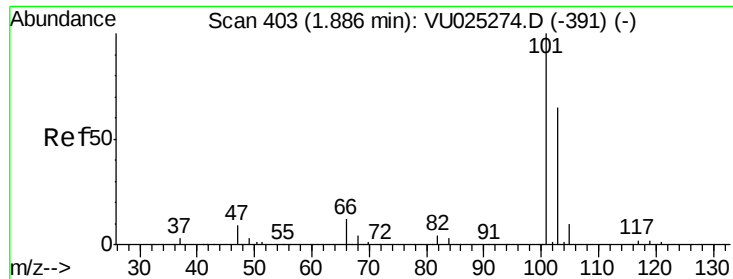
#6
Chloroethane
Concen: 47.86 ug/l
RT: 1.69 min Scan# 342
Delta R.T. -0.00 min
Lab File: VU025303.D
Acq: 10 Jul 2018 20:57

Tgt Ion: 64 Resp: 64863
Ion Ratio Lower Upper
64 100
66 32.6 25.0 37.4



Abundance Ion 63.90 (63.60 to 64.60): VU0
Ion 65.90 (65.60 to 66.60): VU0



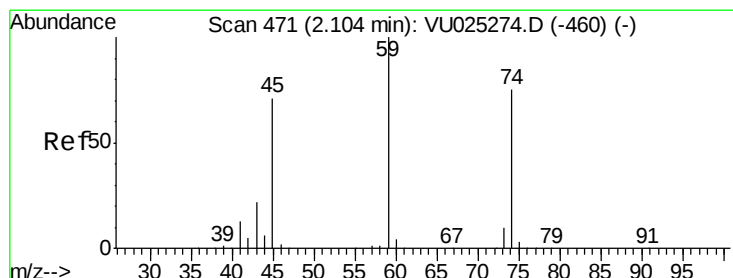
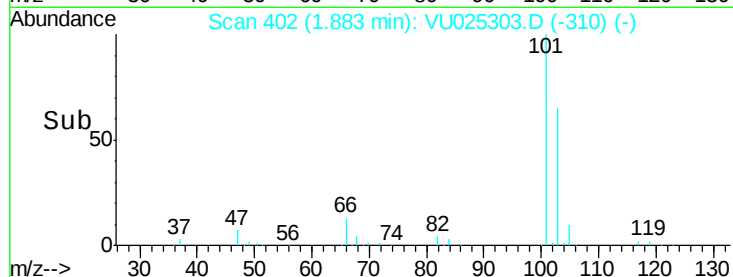
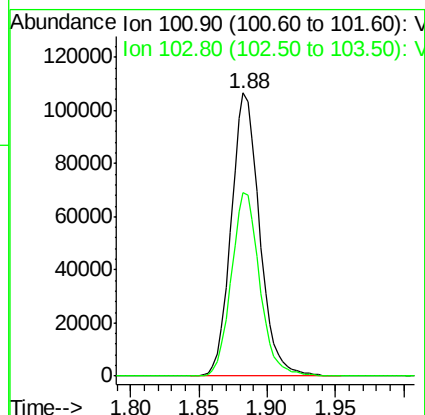
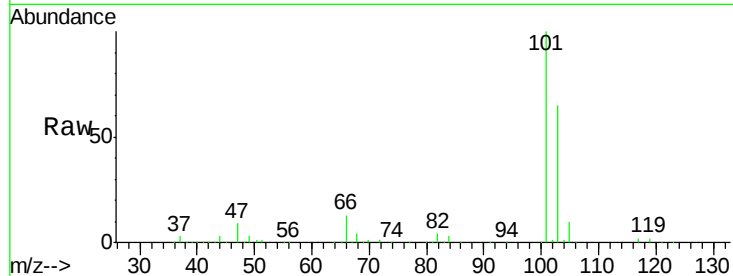


#7

Trichlorofluoromethane
 Concen: 46.16 ug/l
 RT: 1.88 min Scan# 402
 Delta R.T. -0.00 min
 Lab File: VU025303.D
 Acq: 10 Jul 2018 20:57

Instrument :
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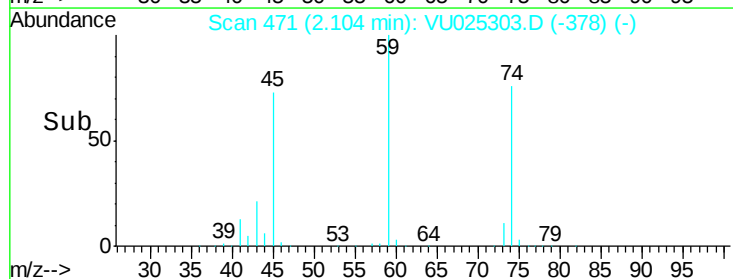
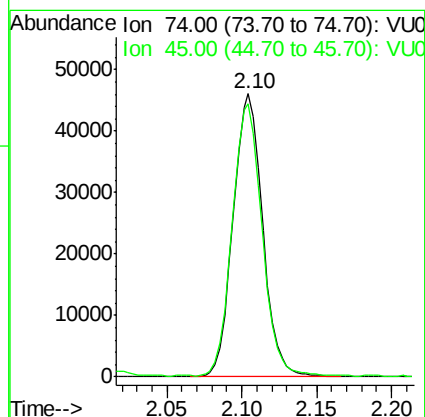
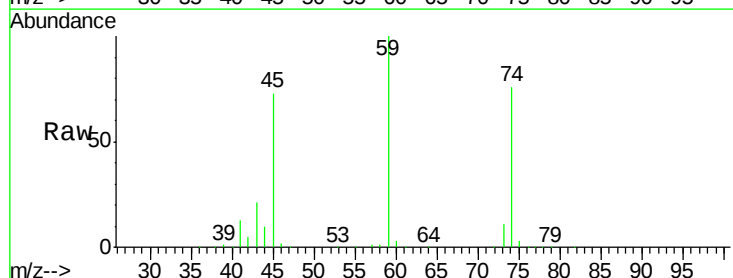
Tot Ion:101 Resp: 154623
 Ion Ratio Lower Upper
 101 100
 103 64.9 52.2 78.2

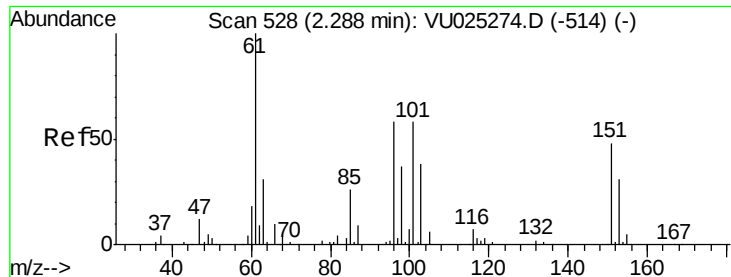


#8

Diethyl Ether
 Concen: 50.45 ug/l
 RT: 2.10 min Scan# 471
 Delta R.T. 0.00 min
 Lab File: VU025303.D
 Acq: 10 Jul 2018 20:57

Tgt Ion: 74 Resp: 63421
 Ion Ratio Lower Upper
 74 100
 45 96.6 48.3 144.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 45.94 ug/l

RT: 2.28 min Scan# 527

Delta R.T. -0.00 min

Lab File: VU025303.D

Acq: 10 Jul 2018 20:57

Instrument :

MSVOA_U

ClientSampleId :

BR-1-070518MSD

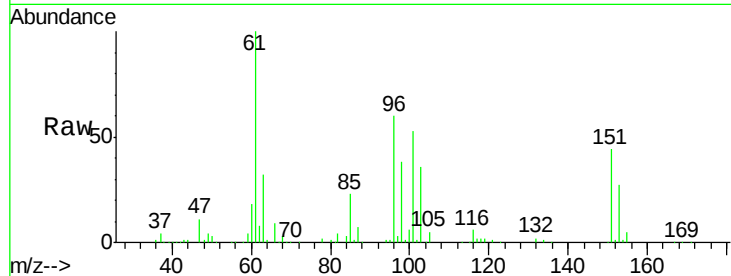
Tot Ion:101 Resp: 95368

Ion Ratio Lower Upper

101 100

85 44.3 36.0 54.0

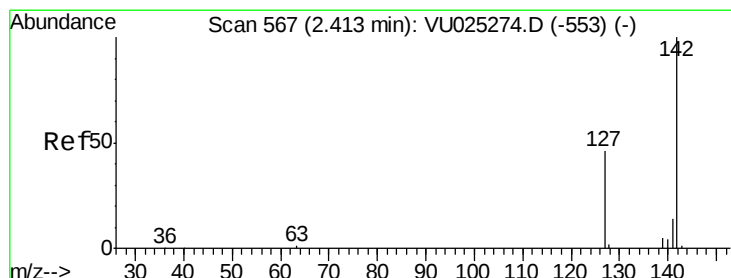
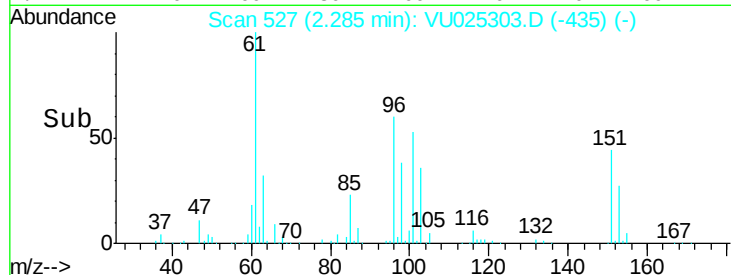
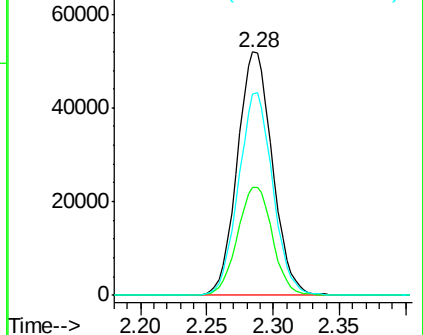
151 81.2 65.6 98.4



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VU0

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 41.66 ug/l

RT: 2.41 min Scan# 566

Delta R.T. -0.00 min

Lab File: VU025303.D

Acq: 10 Jul 2018 20:57

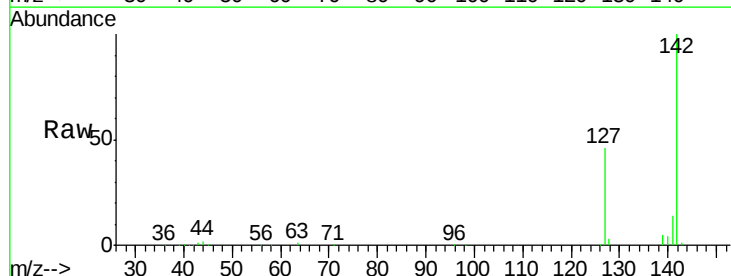
Tgt Ion:142 Resp: 93260

Ion Ratio Lower Upper

142 100

127 46.4 36.5 54.7

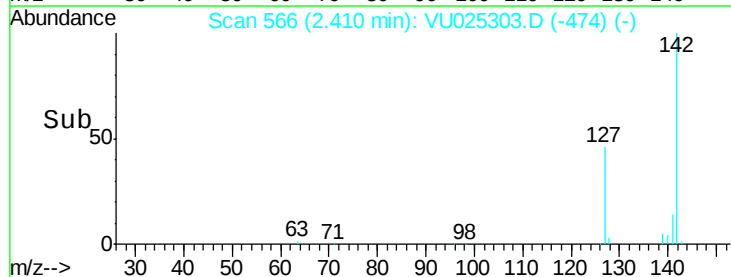
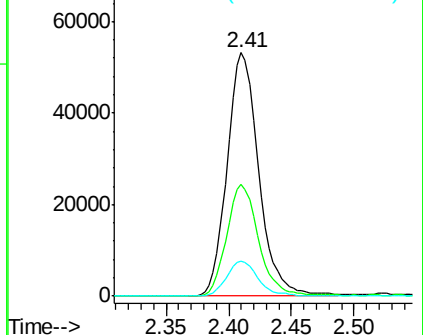
141 14.3 11.4 17.2

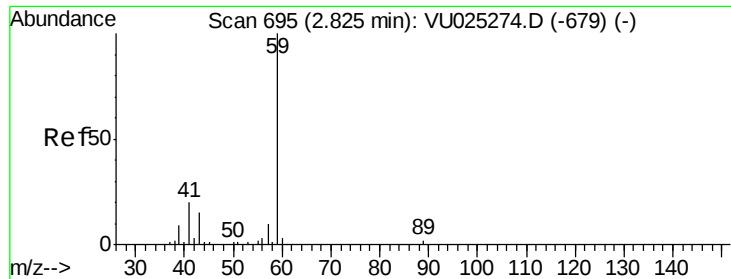


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

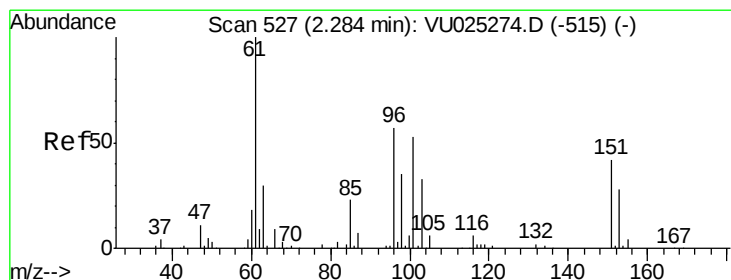
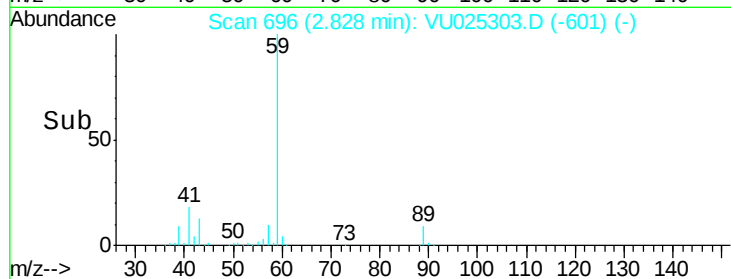
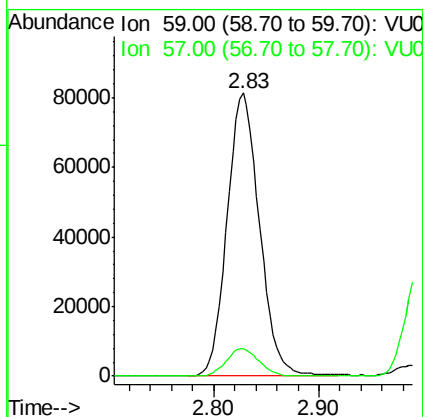
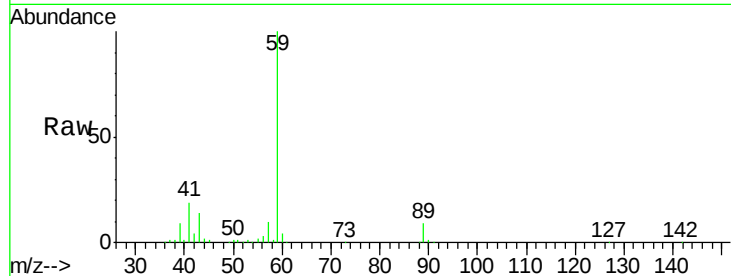




#11
Tert butyl alcohol
Concen: 272.05 ug/l
RT: 2.83 min Scan# 696
Delta R.T. 0.00 min
Lab File: VU025303.D
Acq: 10 Jul 2018 20:57

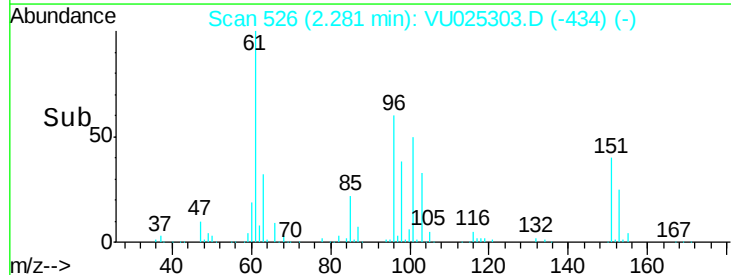
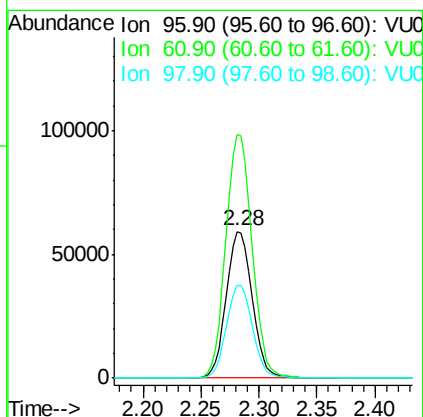
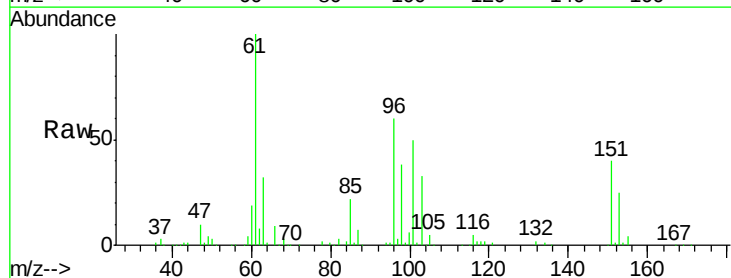
Instrument :
MSVOA_U
ClientSampleId :
BR-1-070518MSD

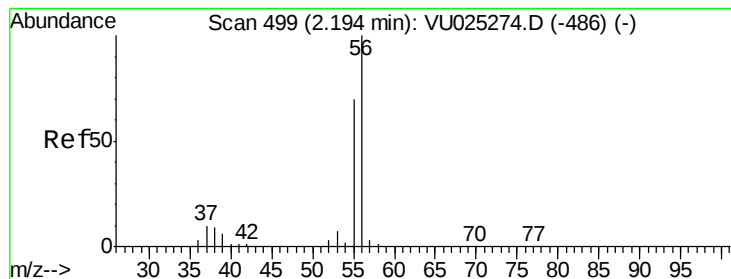
Tot Ion: 59 Resp: 172813
Ion Ratio Lower Upper
59 100
57 9.9 8.2 12.2



#12
1,1-Dichloroethene
Concen: 48.16 ug/l
RT: 2.28 min Scan# 526
Delta R.T. -0.00 min
Lab File: VU025303.D
Acq: 10 Jul 2018 20:57

Tgt Ion: 96 Resp: 91506
Ion Ratio Lower Upper
96 100
61 166.0 140.2 210.4
98 63.0 49.3 73.9





#13

Acrolein

Concen: 166.13 ug/l

RT: 2.19 min Scan# 499

Delta R.T. 0.00 min

Lab File: VU025303.D

Acq: 10 Jul 2018 20:57

Instrument :

MSVOA_U

ClientSampleId :

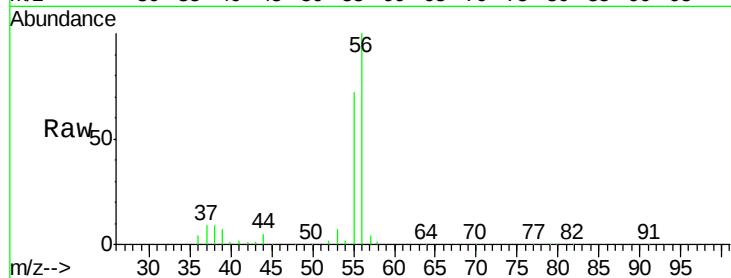
BR-1-070518MSD

Tot Ion: 56 Resp: 69815

Ion Ratio Lower Upper

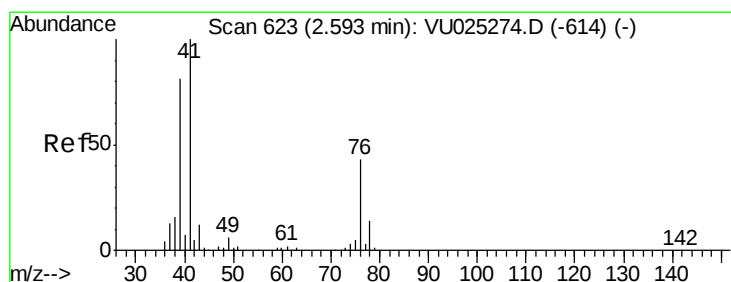
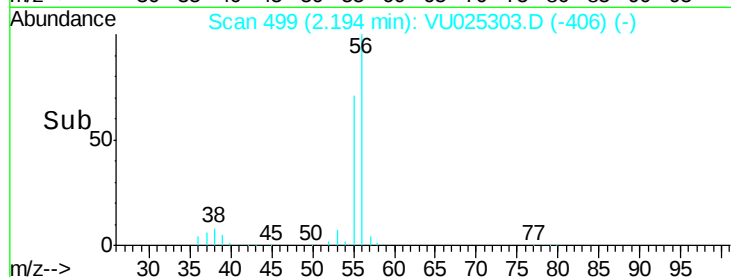
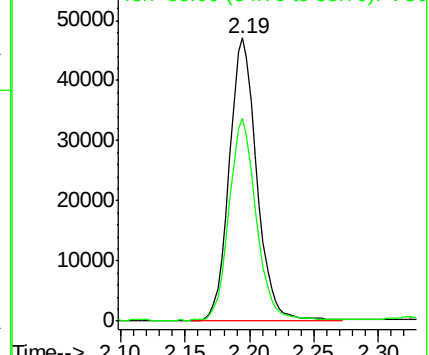
56 100

55 69.6 57.2 85.8



Abundance Ion 56.00 (55.70 to 56.70): VU0

Ion 55.00 (54.70 to 55.70): VU0



#14

Allyl chloride

Concen: 45.36 ug/l

RT: 2.59 min Scan# 623

Delta R.T. 0.00 min

Lab File: VU025303.D

Acq: 10 Jul 2018 20:57

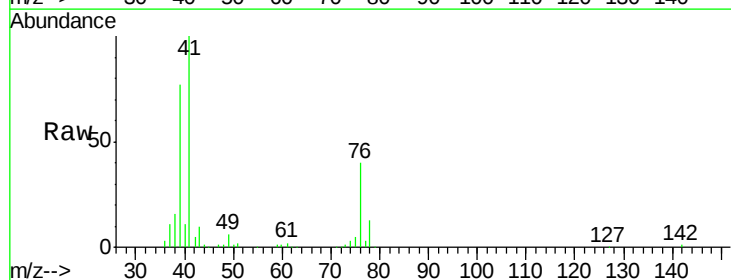
Tgt Ion: 41 Resp: 156284

Ion Ratio Lower Upper

41 100

39 76.9 60.6 91.0

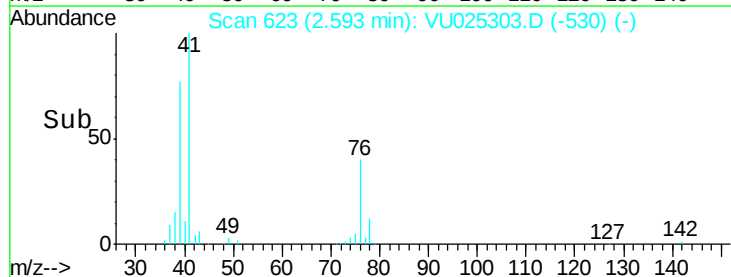
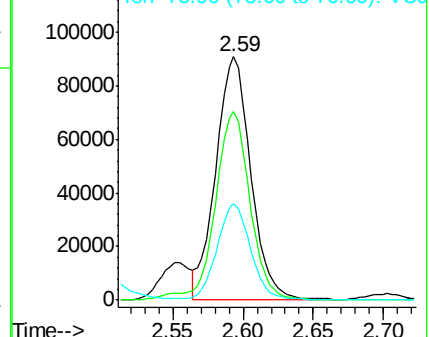
76 38.3 30.5 45.7

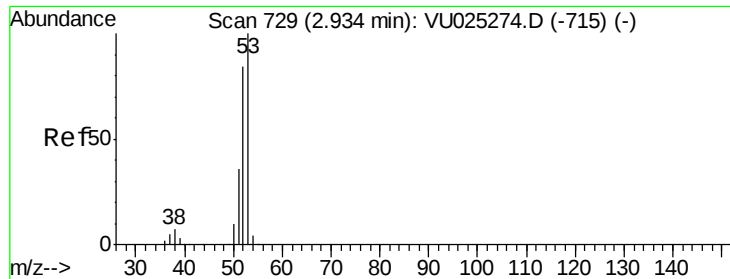


Abundance Ion 41.00 (40.70 to 41.70): VU0

Ion 39.00 (38.70 to 39.70): VU0

Ion 75.90 (75.60 to 76.60): VU0





#15

Acrylonitrile

Concen: 265.26 ug/l

RT: 2.94 min Scan# 730

Delta R.T. 0.00 min

Lab File: VU025303.D

Acq: 10 Jul 2018 20:57

Instrument :

MSVOA_U

ClientSampleId :

BR-1-070518MSD

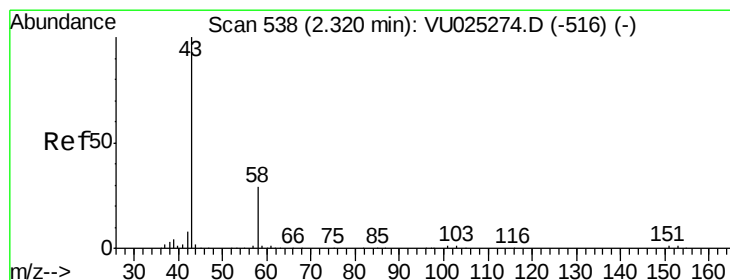
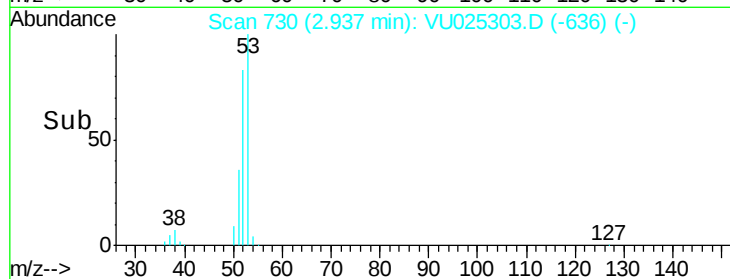
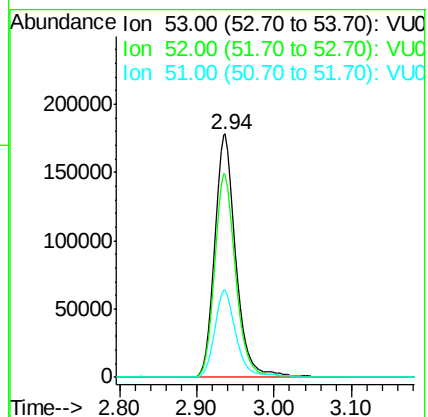
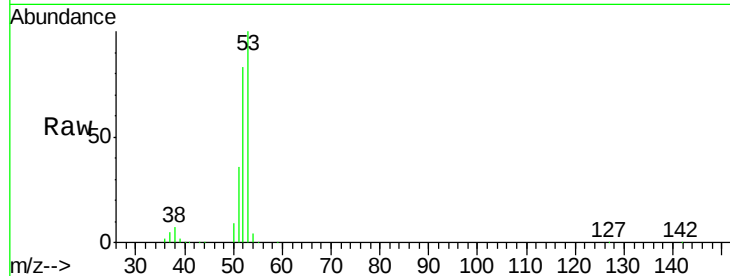
Tot Ion: 53 Resp: 346430

Ion Ratio Lower Upper

53 100

52 83.0 66.6 99.8

51 35.5 29.4 44.2



#16

Acetone

Concen: 219.04 ug/l

RT: 2.32 min Scan# 539

Delta R.T. 0.00 min

Lab File: VU025303.D

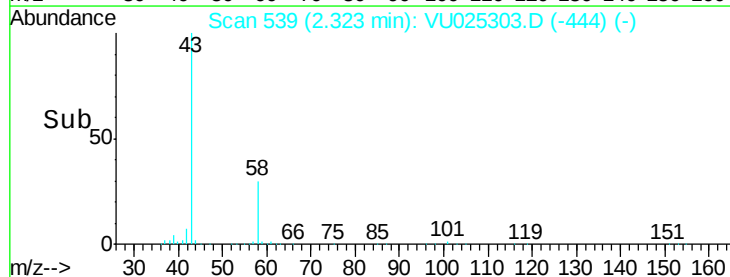
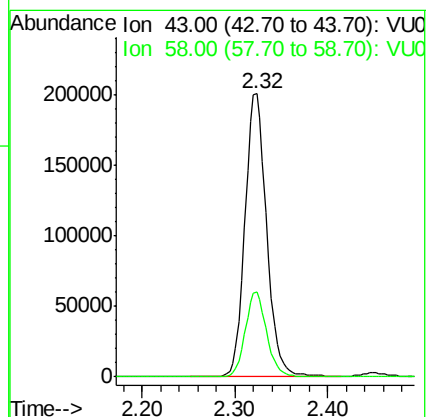
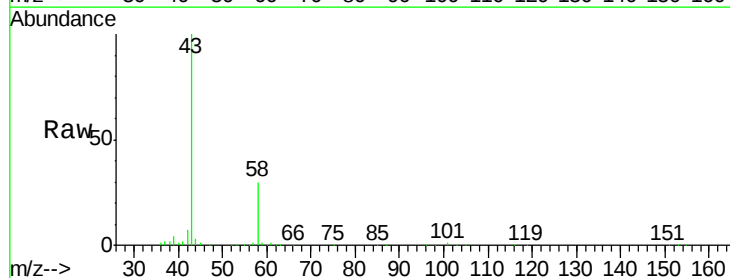
Acq: 10 Jul 2018 20:57

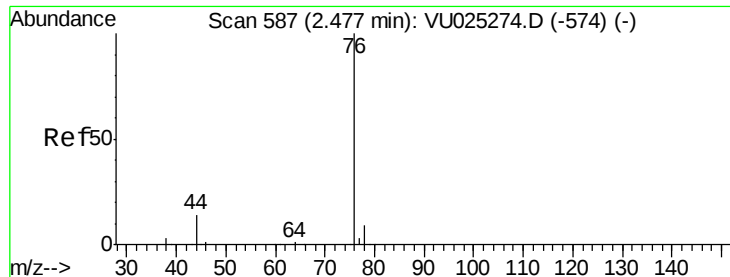
Tgt Ion: 43 Resp: 324558

Ion Ratio Lower Upper

43 100

58 29.8 23.1 34.7

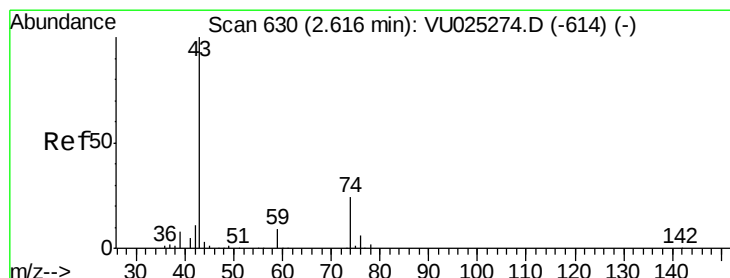
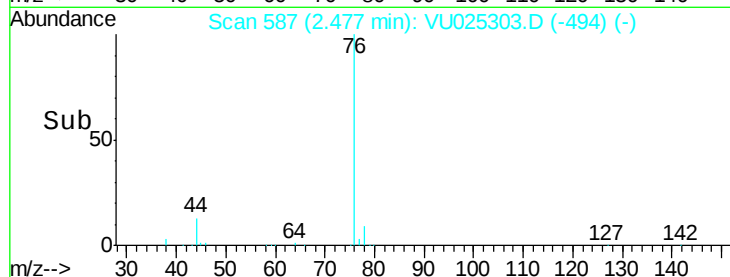
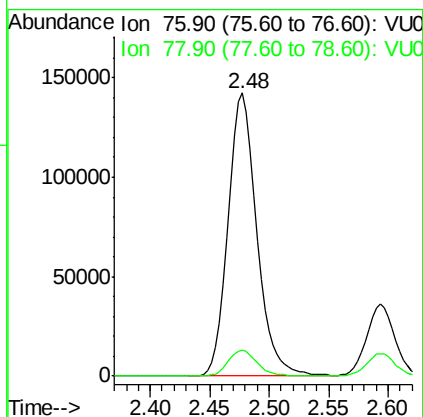
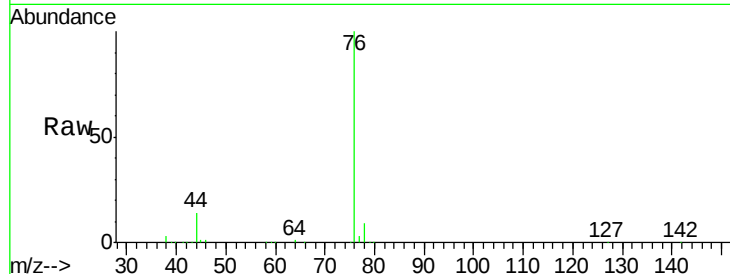




#17
Carbon Disulfide
Concen: 43.34 ug/l
RT: 2.48 min Scan# 587
Delta R.T. 0.00 min
Lab File: VU025303.D
Acq: 10 Jul 2018 20:57

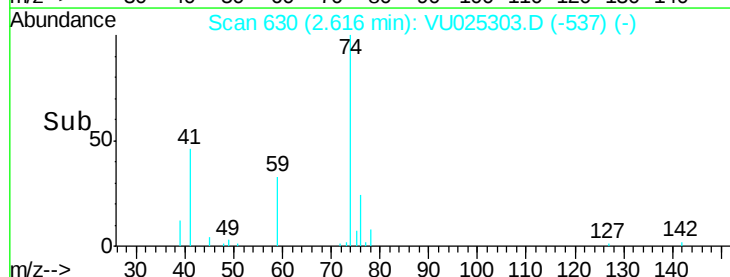
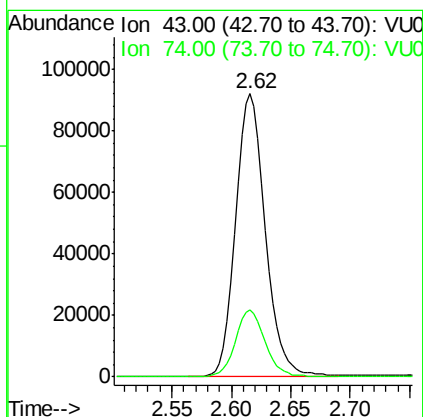
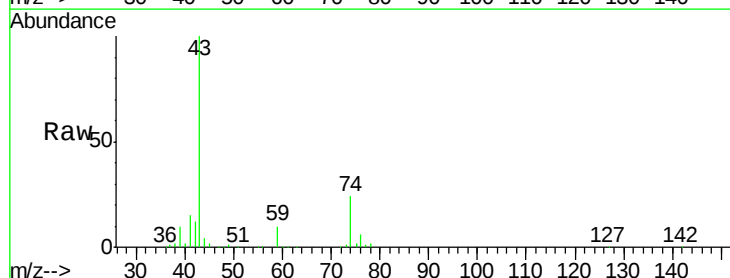
Instrument :
MSVOA_U
ClientSampleId :
BR-1-070518MSD

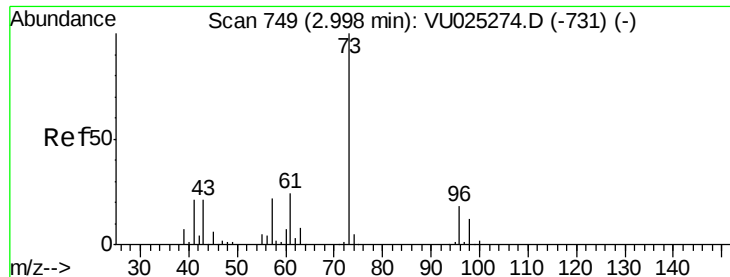
Tot Ion: 76 Resp: 239113
Ion Ratio Lower Upper
76 100
78 9.3 7.4 11.2



#18
Methyl Acetate
Concen: 53.09 ug/l
RT: 2.62 min Scan# 630
Delta R.T. 0.00 min
Lab File: VU025303.D
Acq: 10 Jul 2018 20:57

Tgt Ion: 43 Resp: 158288
Ion Ratio Lower Upper
43 100
74 23.8 18.5 27.7

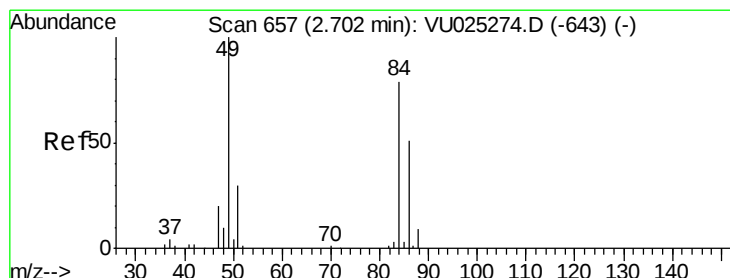
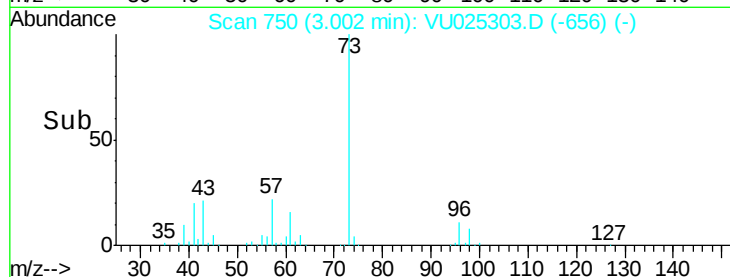
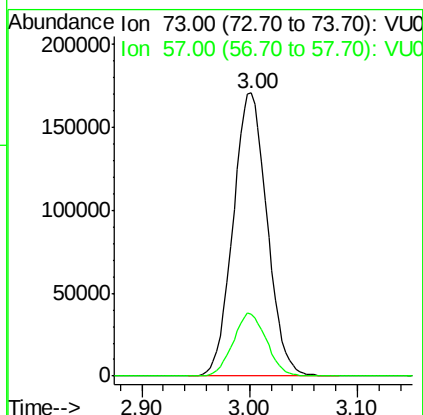
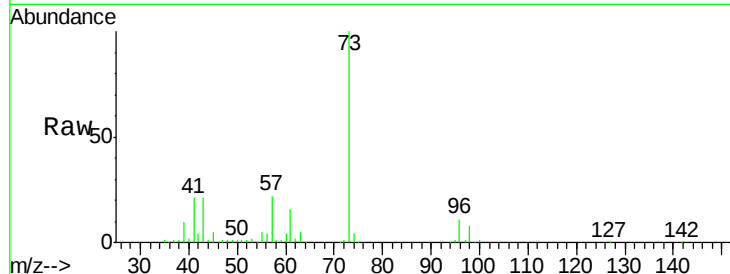




#19
Methvl tert-butvl Ether
Concen: 51.97 ug/l
RT: 3.00 min Scan# 750
Delta R.T. 0.00 min
Lab File: VU025303.D
Acq: 10 Jul 2018 20:57

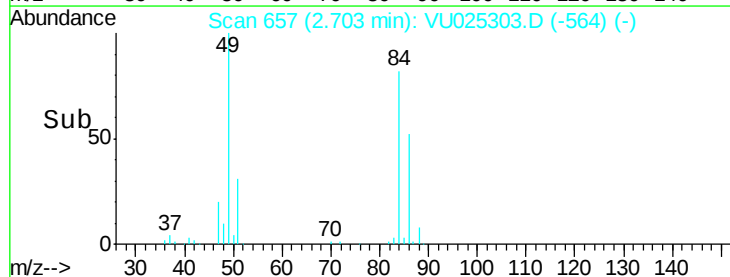
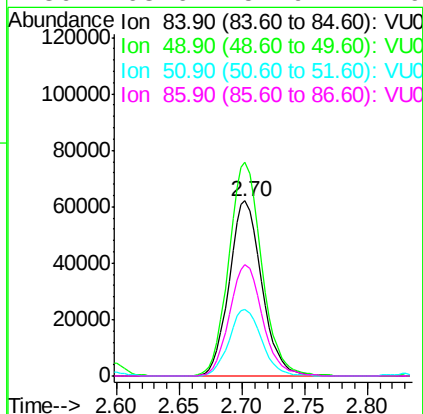
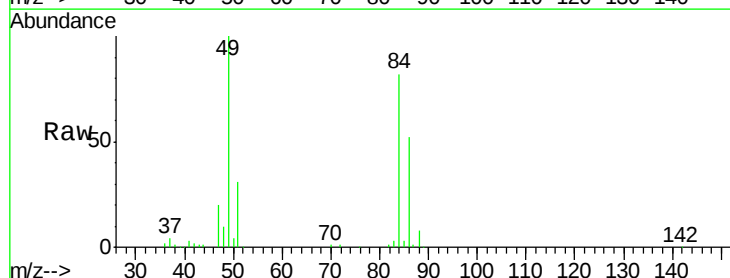
Instrument :
MSVOA_U
ClientSampleId :
BR-1-070518MSD

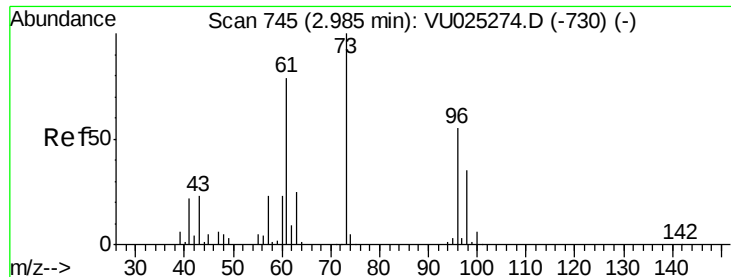
Tot Ion: 73 Resp: 375541
Ion Ratio Lower Upper
73 100
57 21.9 17.4 26.2



#20
Methylene Chloride
Concen: 49.84 ug/l
RT: 2.70 min Scan# 657
Delta R.T. 0.00 min
Lab File: VU025303.D
Acq: 10 Jul 2018 20:57

Tgt Ion: 84 Resp: 112265
Ion Ratio Lower Upper
84 100
49 122.2 101.8 152.6
51 37.7 30.8 46.2
86 63.6 51.9 77.9





#21

trans-1,2-Dichloroethene

Concen: 46.65 ug/l

RT: 2.98 min Scan# 744

Delta R.T. -0.00 min

Lab File: VU025303.D

Acq: 10 Jul 2018 20:57

Instrument :

MSVOA_U

ClientSampleId :

BR-1-070518MSD

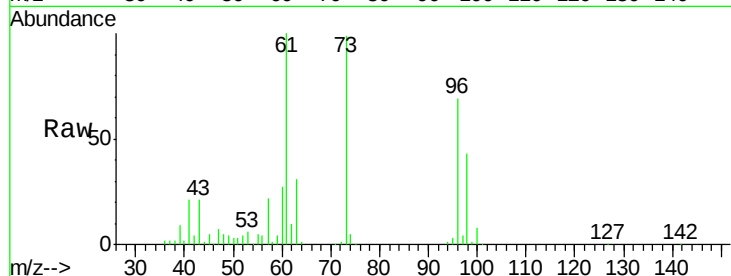
Tot Ion: 96 Resp: 101275

Ion Ratio Lower Upper

96 100

61 145.5 114.5 171.7

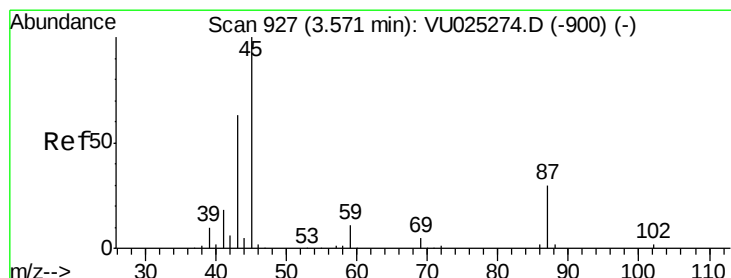
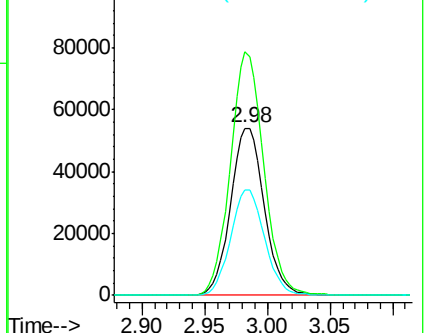
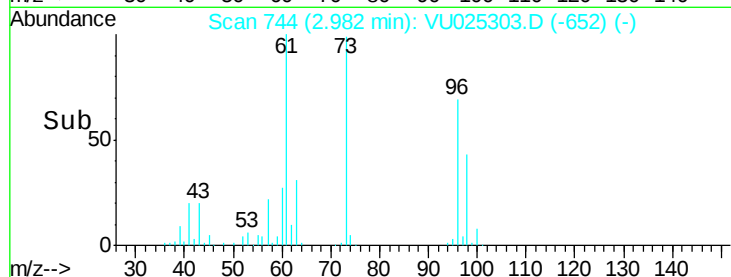
98 63.2 50.5 75.7



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: 50.81 ug/l

RT: 3.57 min Scan# 928

Delta R.T. 0.00 min

Lab File: VU025303.D

Acq: 10 Jul 2018 20:57

Tgt Ion: 45 Resp: 357502

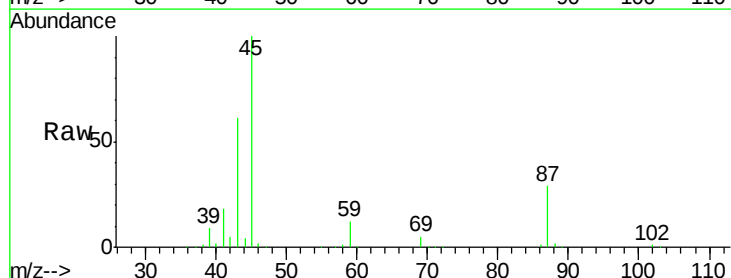
Ion Ratio Lower Upper

45 100

43 59.7 50.9 76.3

87 29.0 23.8 35.8

59 11.5 9.0 13.4

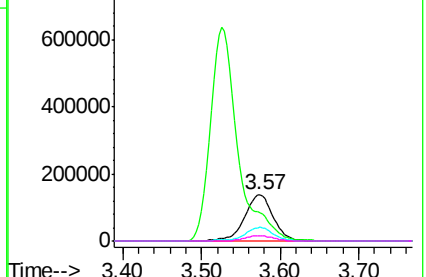
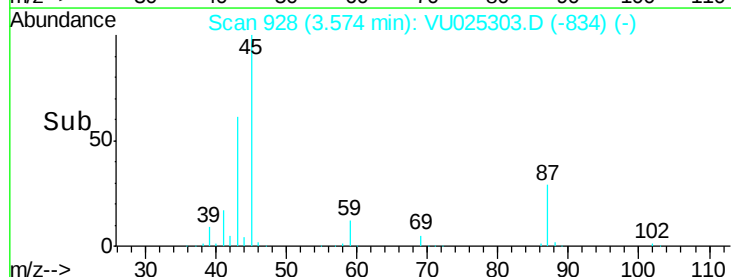


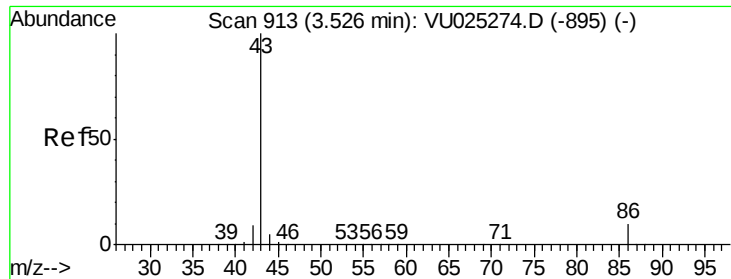
Abundance Ion 45.00 (44.70 to 45.70): VU0

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: 248.04 ug/l

RT: 3.53 min Scan# 913

Delta R.T. 0.00 min

Lab File: VU025303.D

Acq: 10 Jul 2018 20:57

Instrument :

MSVOA_U

ClientSampleId :

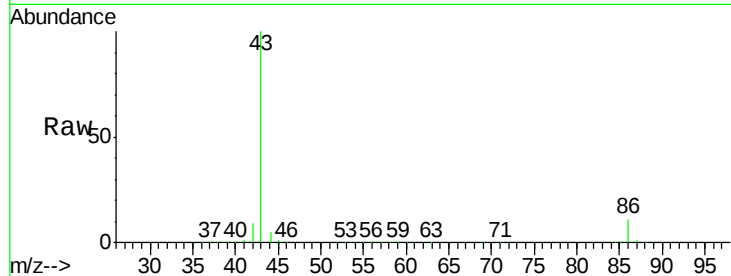
BR-1-070518MSD

Tot Ion: 43 Resp: 1531061

Ion Ratio Lower Upper

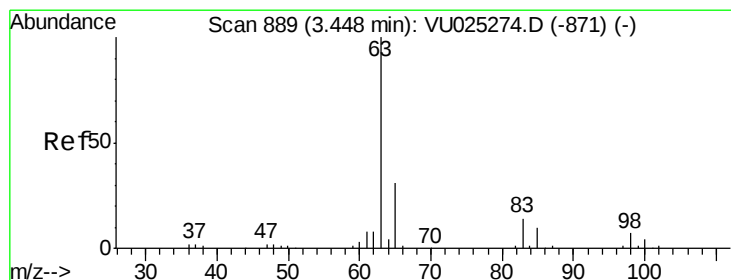
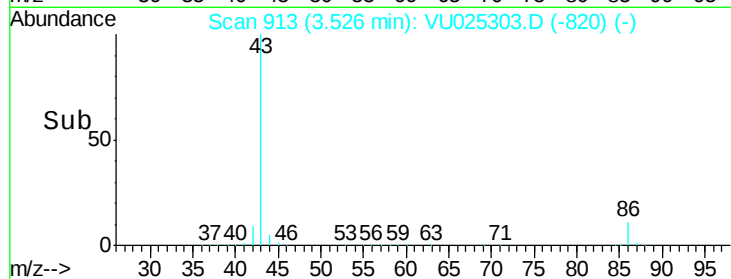
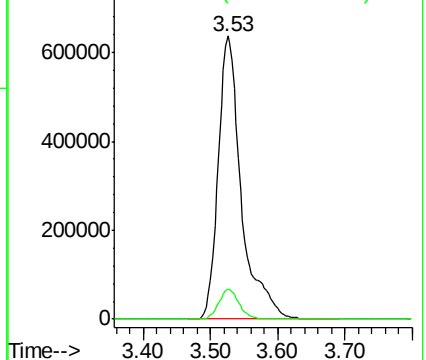
43 100

86 10.5 8.2 12.2



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 86.00 (85.70 to 86.70): VU0



#24

1,1-Dichloroethane

Concen: 50.64 ug/l

RT: 3.45 min Scan# 889

Delta R.T. 0.00 min

Lab File: VU025303.D

Acq: 10 Jul 2018 20:57

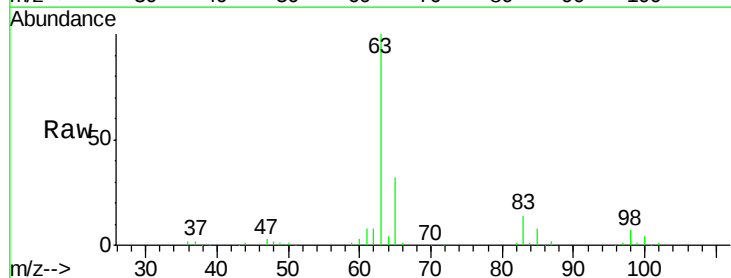
Tgt Ion: 63 Resp: 200939

Ion Ratio Lower Upper

63 100

98 7.0 3.4 10.1

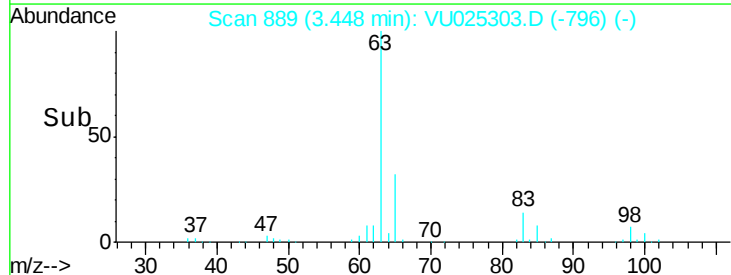
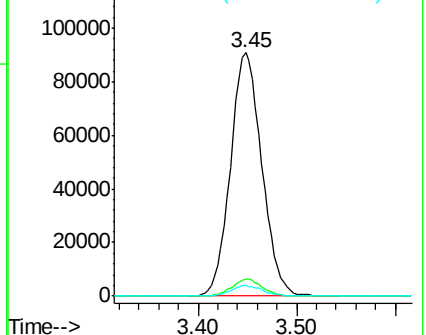
100 4.2 2.0 6.0

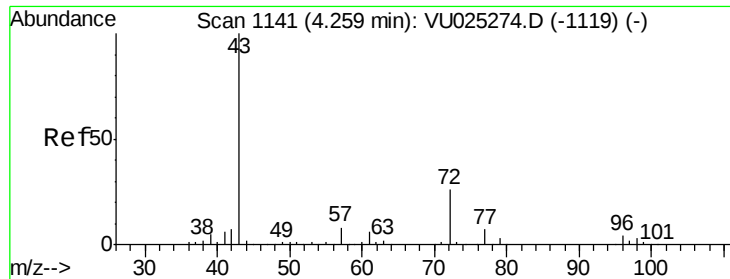


Abundance Ion 62.90 (62.60 to 63.60): VU0

Ion 97.90 (97.60 to 98.60): VU0

Ion 99.90 (99.60 to 100.60): VU0





#25

2-Butanone

Concen: 249.46 ug/l

RT: 4.26 min Scan# 1142

Delta R.T. 0.00 min

Lab File: VU025303.D

Acq: 10 Jul 2018 20:57

Instrument :

MSVOA_U

ClientSampleId :

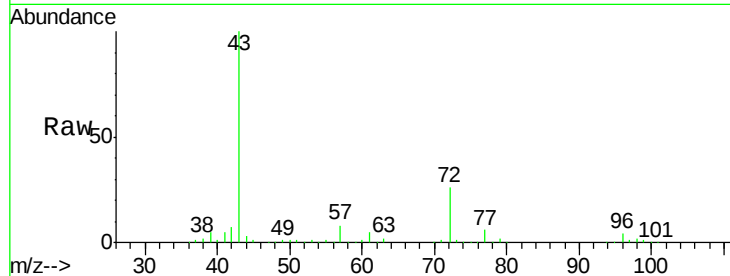
BR-1-070518MSD

Tot Ion: 43 Resp: 503476

Ion Ratio Lower Upper

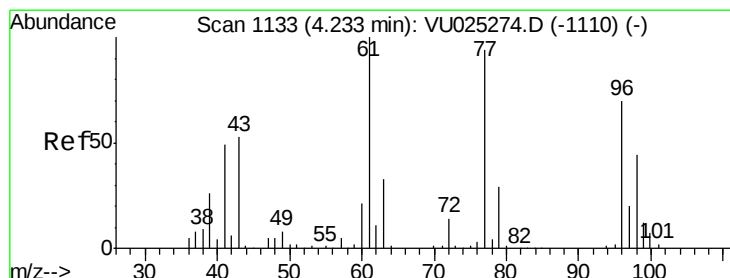
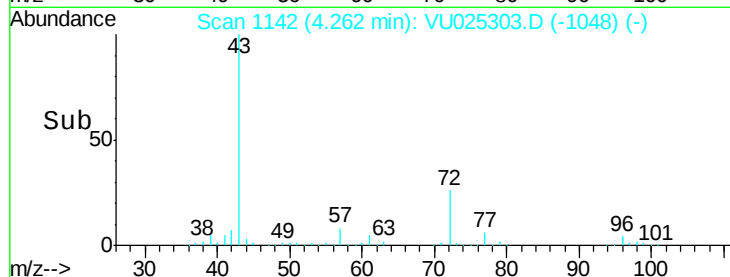
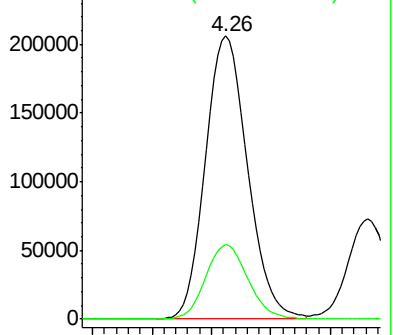
43 100

72 26.3 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: 41.34 ug/l

RT: 4.23 min Scan# 1132

Delta R.T. -0.00 min

Lab File: VU025303.D

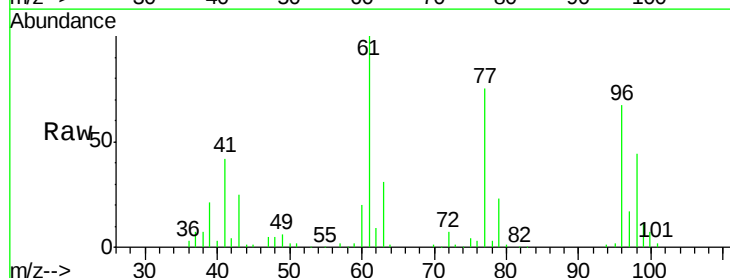
Acq: 10 Jul 2018 20:57

Tgt Ion: 77 Resp: 157726

Ion Ratio Lower Upper

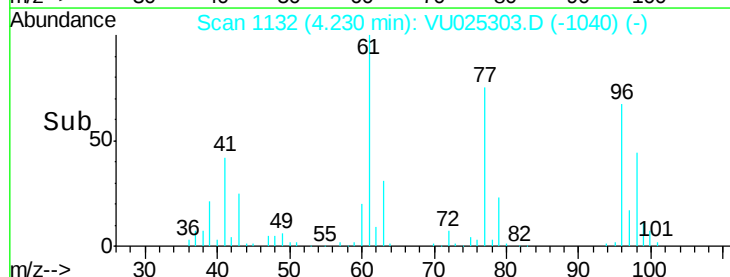
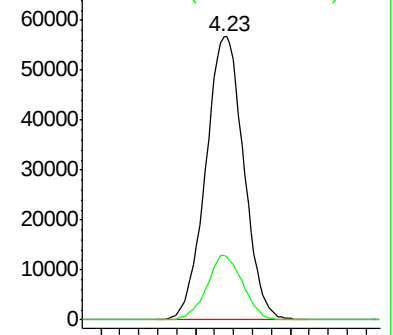
77 100

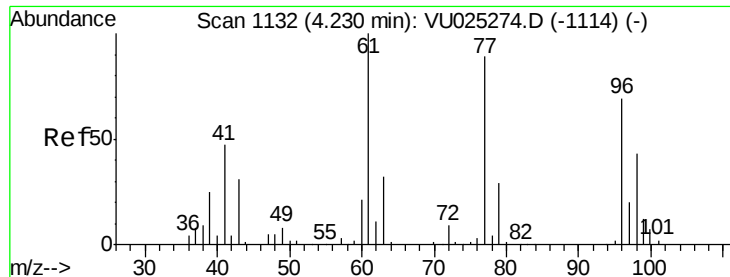
97 21.6 11.2 33.5



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: 49.14 ug/l

RT: 4.23 min Scan# 1132

Delta R.T. 0.00 min

Lab File: VU025303.D

Acq: 10 Jul 2018 20:57

Instrument :

MSVOA_U

ClientSampleId :

BR-1-070518MSD

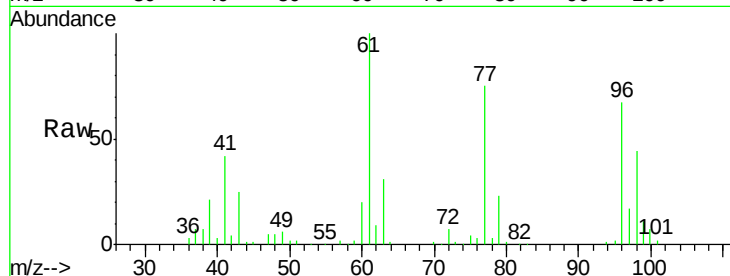
Tot Ion: 96 Resp: 123441

Ion Ratio Lower Upper

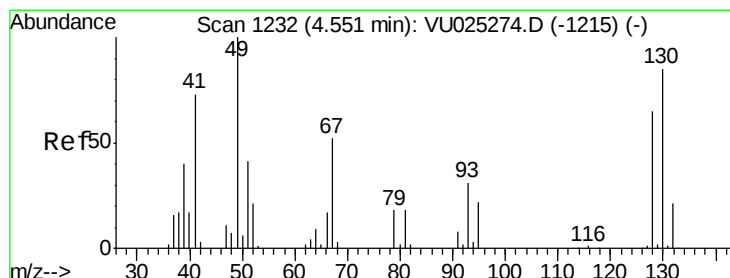
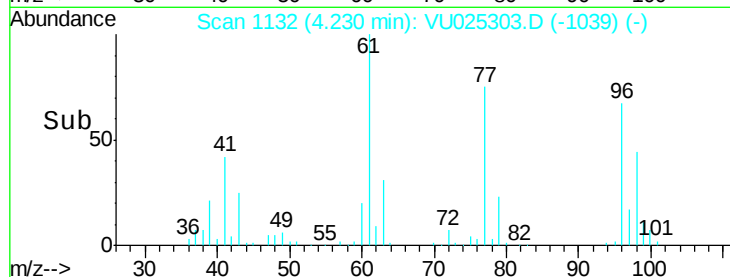
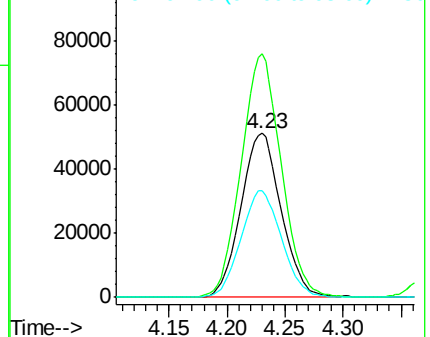
96 100

61 148.1 0.0 299.8

98 65.7 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: 48.94 ug/l

RT: 4.55 min Scan# 1232

Delta R.T. 0.00 min

Lab File: VU025303.D

Acq: 10 Jul 2018 20:57

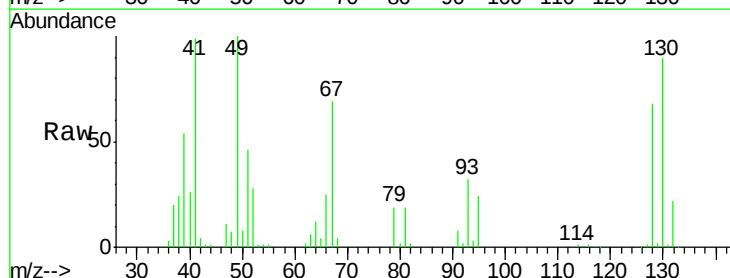
Tgt Ion: 49 Resp: 93775

Ion Ratio Lower Upper

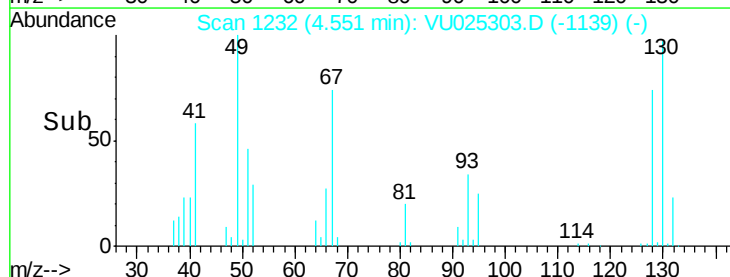
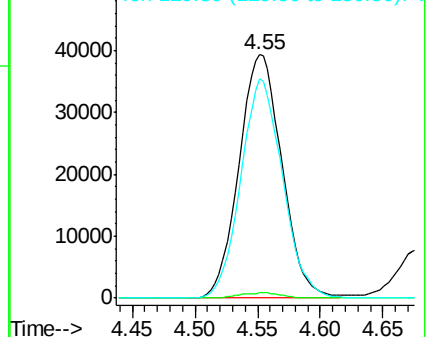
49 100

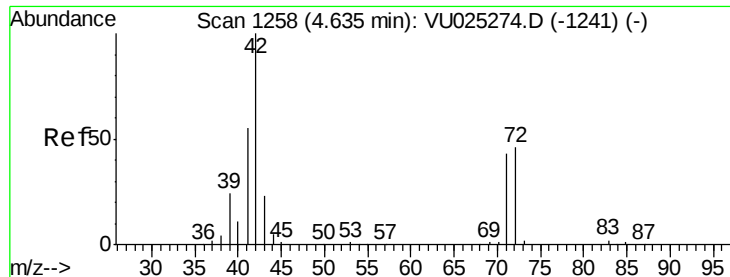
129 2.0 0.0 4.6

130 87.5 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: 262.04 ug/l

RT: 4.63 min Scan# 1258

Delta R.T. 0.00 min

Lab File: VU025303.D

Acq: 10 Jul 2018 20:57

Instrument :

MSVOA_U

ClientSampleId :

BR-1-070518MSD

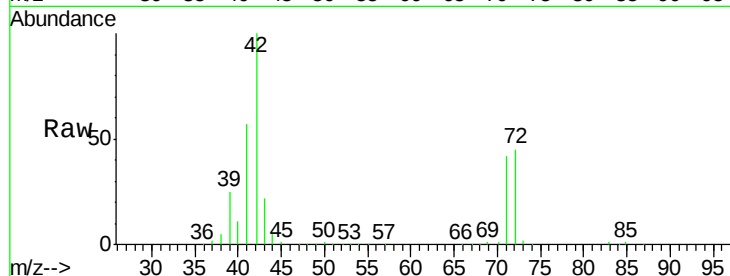
Tot Ion: 42 Resp: 317221

Ion Ratio Lower Upper

42 100

72 45.8 36.7 55.1

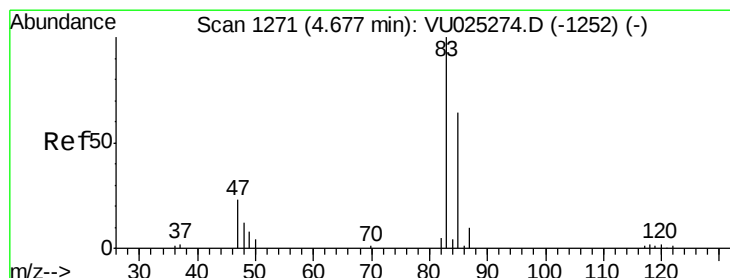
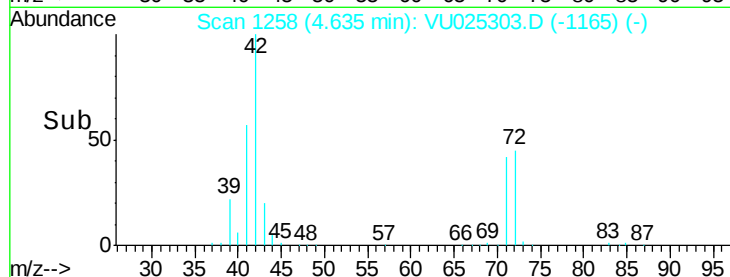
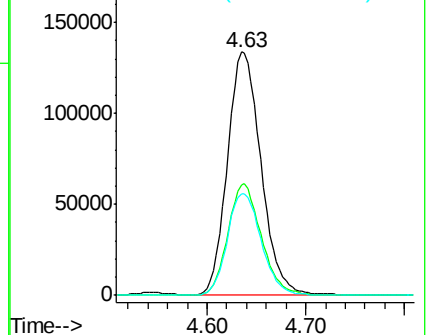
71 42.3 33.9 50.9



Abundance Ion 42.00 (41.70 to 42.70): VU0

Ion 72.00 (71.70 to 72.70): VU0

Ion 71.00 (70.70 to 71.70): VU0



#30

Chloroform

Concen: 51.57 ug/l

RT: 4.68 min Scan# 1271

Delta R.T. 0.00 min

Lab File: VU025303.D

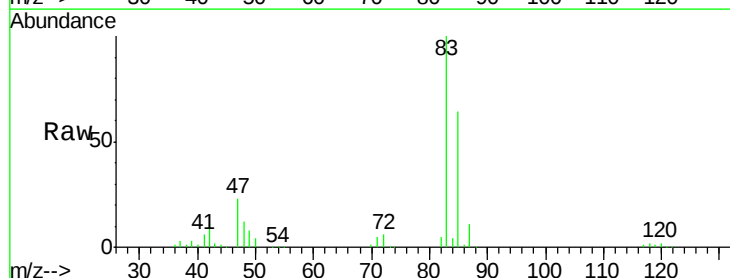
Acq: 10 Jul 2018 20:57

Tgt Ion: 83 Resp: 216726

Ion Ratio Lower Upper

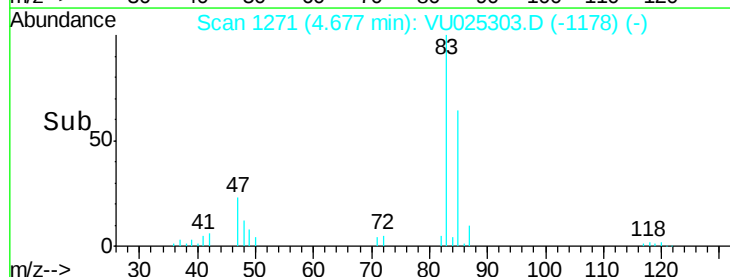
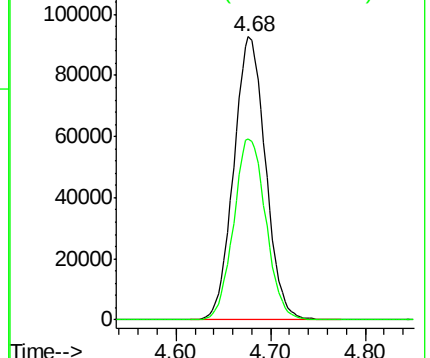
83 100

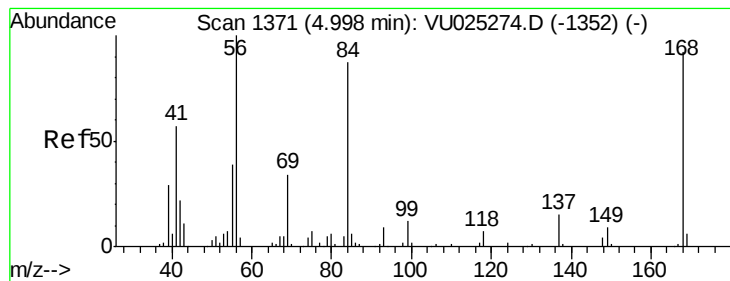
85 64.0 51.5 77.3



Abundance Ion 82.90 (82.60 to 83.60): VU0

Ion 84.90 (84.60 to 85.60): VU0





#31

Cyclohexane

Concen: 44.28 ug/l

RT: 5.00 min Scan# 1371

Delta R.T. 0.00 min

Lab File: VU025303.D

Acq: 10 Jul 2018 20:57

Instrument :

MSVOA_U

ClientSampleId :

BR-1-070518MSD

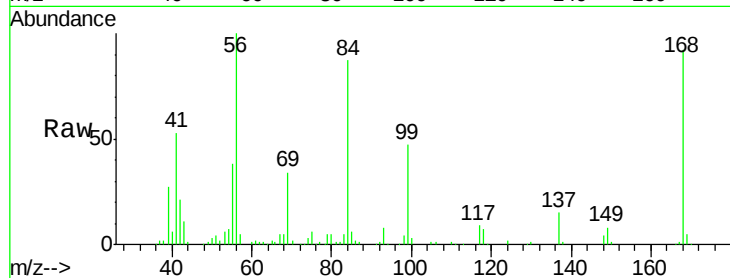
Tot Ion: 56 Resp: 162520

Ion Ratio Lower Upper

56 100

69 34.2 26.8 40.2

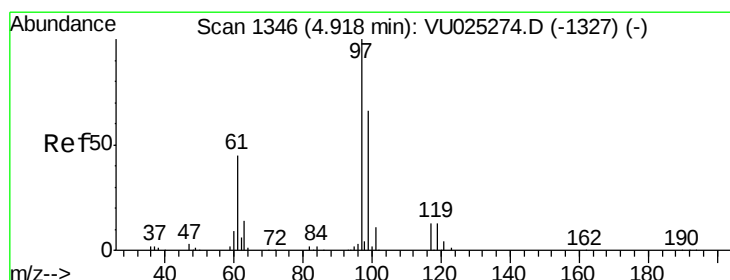
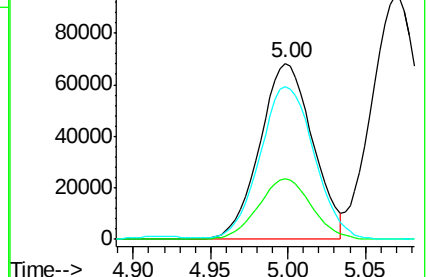
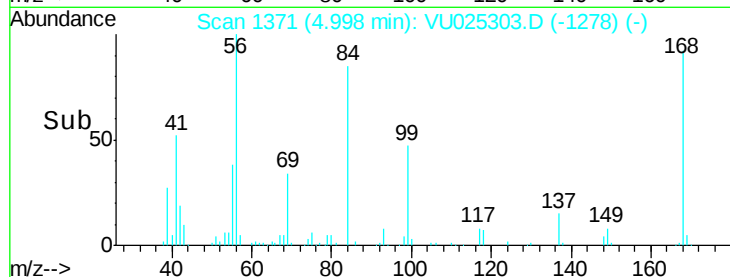
84 85.9 69.7 104.5



Abundance Ion 56.00 (55.70 to 56.70): VU025303.D (-1278) (-)

Ion 69.00 (68.70 to 69.70): VU025303.D (-1278) (-)

Ion 84.00 (83.70 to 84.70): VU025303.D (-1278) (-)



#32

1,1,1-Trichloroethane

Concen: 50.96 ug/l

RT: 4.92 min Scan# 1346

Delta R.T. 0.00 min

Lab File: VU025303.D

Acq: 10 Jul 2018 20:57

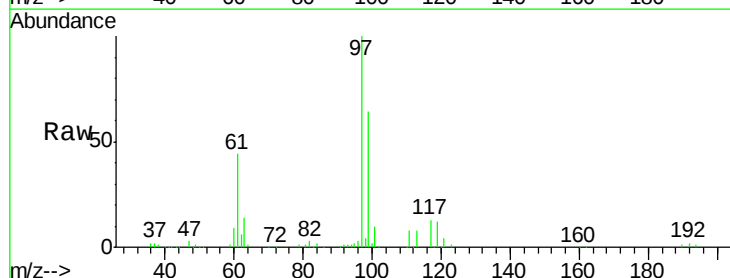
Tgt Ion: 97 Resp: 194090

Ion Ratio Lower Upper

97 100

99 64.2 50.8 76.2

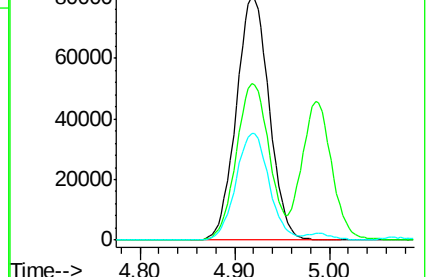
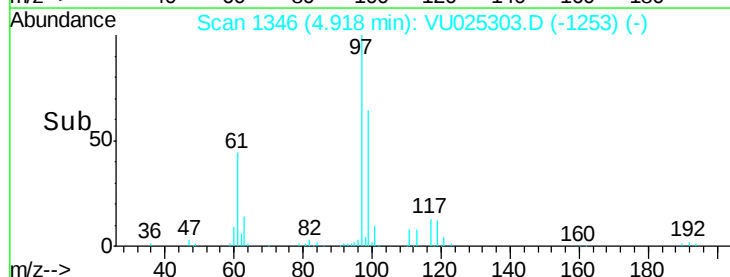
61 44.4 35.2 52.8

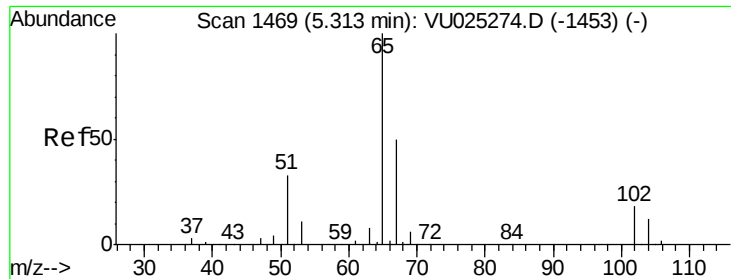


Abundance Ion 96.90 (96.60 to 97.60): VU025303.D (-1253) (-)

Ion 98.90 (98.60 to 99.60): VU025303.D (-1253) (-)

Ion 60.90 (60.60 to 61.60): VU025303.D (-1253) (-)

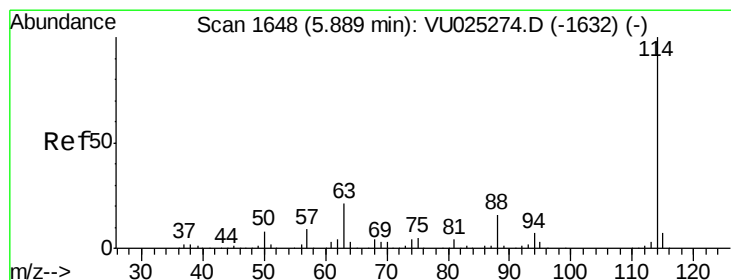
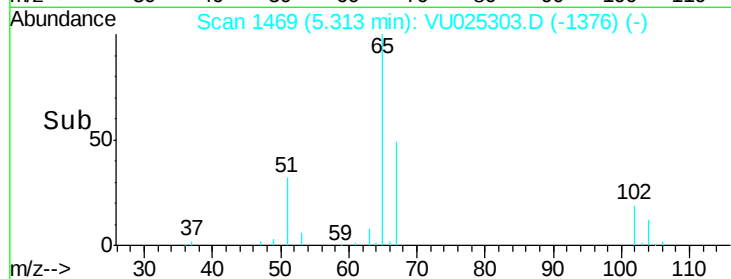
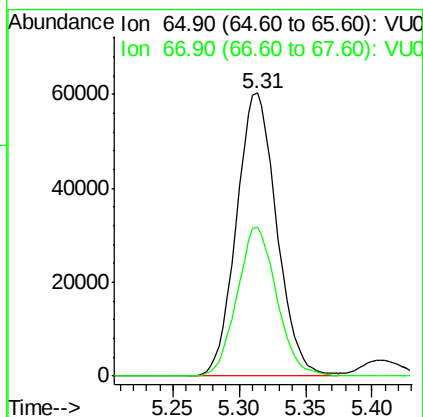
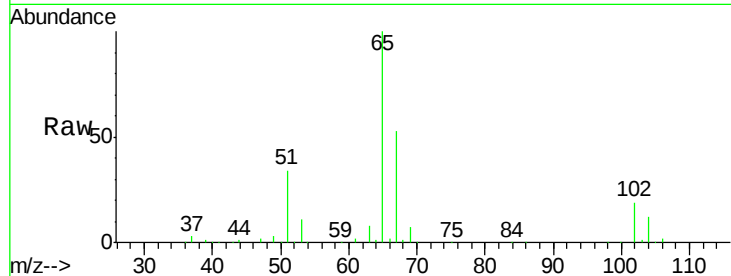




#33
 1,2-Dichloroethane-d4
 Concen: 43.69 ug/l
 RT: 5.31 min Scan# 1469
 Delta R.T. 0.00 min
 Lab File: VU025303.D
 Acq: 10 Jul 2018 20:57

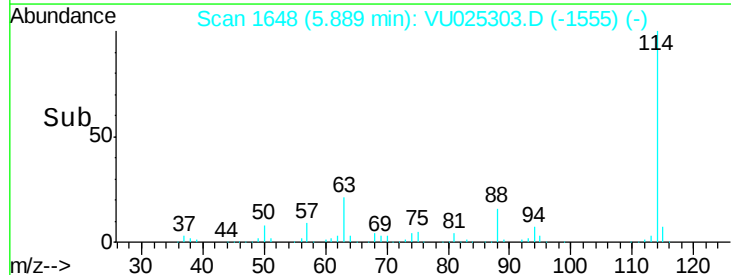
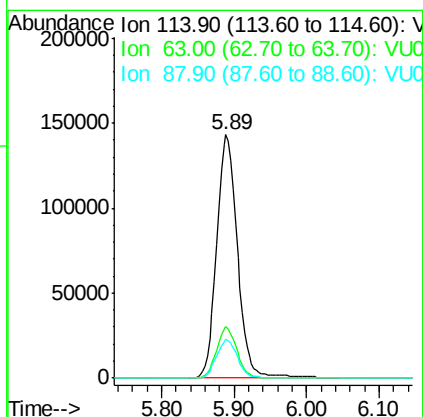
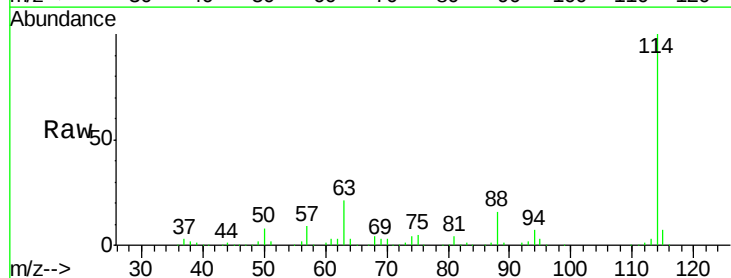
Instrument :
 MSVOA_U
 ClientSampleId :
 BR-1-070518MSD

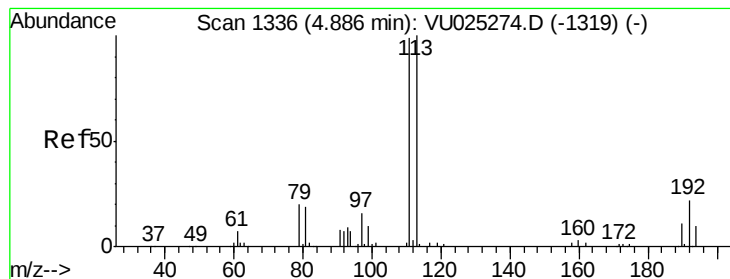
Tot Ion: 65 Resp: 127231
 Ion Ratio Lower Upper
 65 100
 67 51.8 0.0 103.6



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 5.89 min Scan# 1648
 Delta R.T. 0.00 min
 Lab File: VU025303.D
 Acq: 10 Jul 2018 20:57

Tgt Ion: 114 Resp: 285025
 Ion Ratio Lower Upper
 114 100
 63 21.0 0.0 41.6
 88 16.0 0.0 32.4





#35

Dibromofluoromethane

Concen: 43.99 ug/l

RT: 4.89 min Scan# 1336

Delta R.T. 0.00 min

Lab File: VU025303.D

Acq: 10 Jul 2018 20:57

Instrument :

MSVOA_U

ClientSampleId :

BR-1-070518MSD

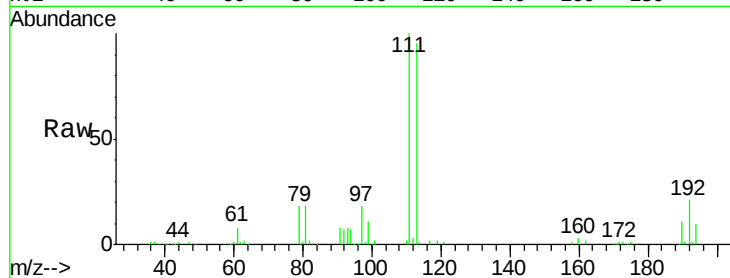
Tot Ion:113 Resp: 105771

Ion Ratio Lower Upper

113 100

111 103.1 81.7 122.5

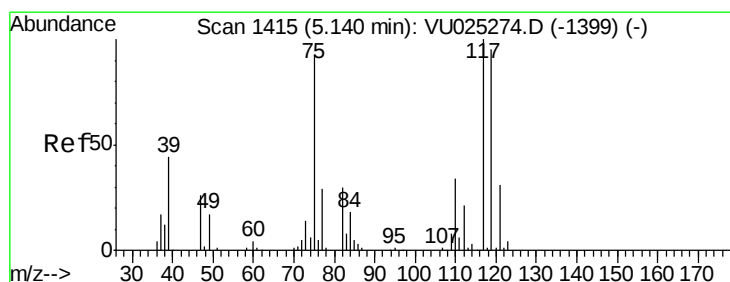
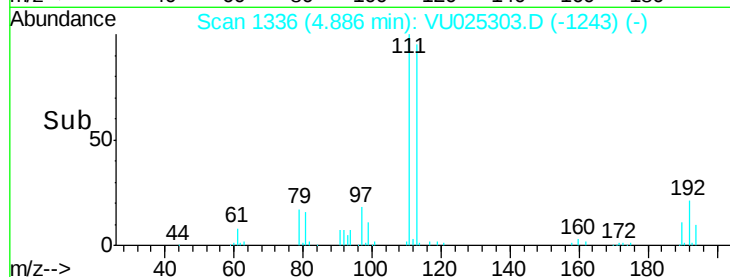
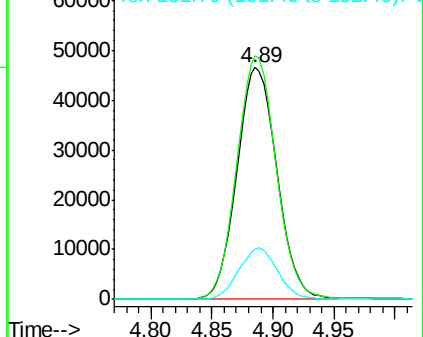
192 21.5 17.1 25.7



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 46.52 ug/l

RT: 5.14 min Scan# 1415

Delta R.T. 0.00 min

Lab File: VU025303.D

Acq: 10 Jul 2018 20:57

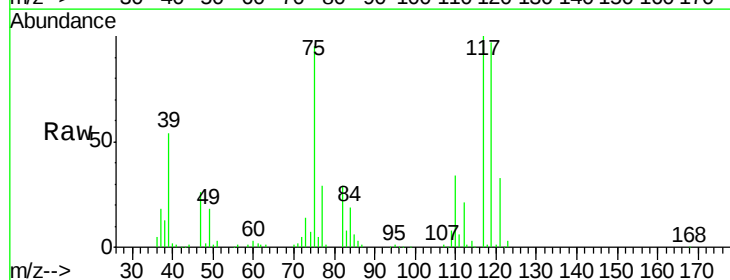
Tgt Ion: 75 Resp: 147394

Ion Ratio Lower Upper

75 100

110 35.8 17.6 52.9

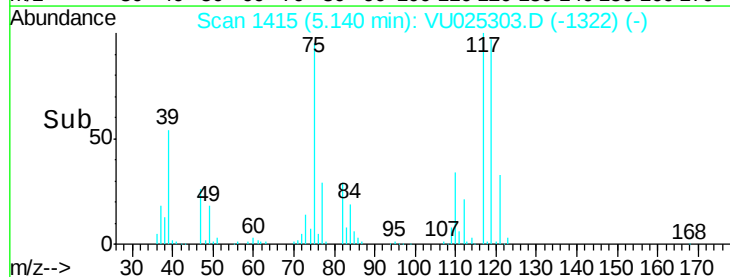
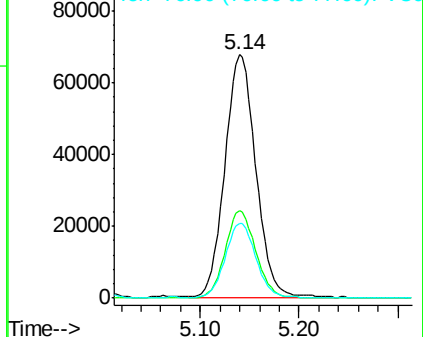
77 31.2 24.4 36.6

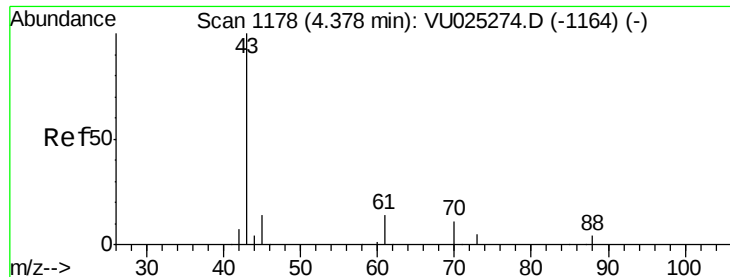


Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VU0

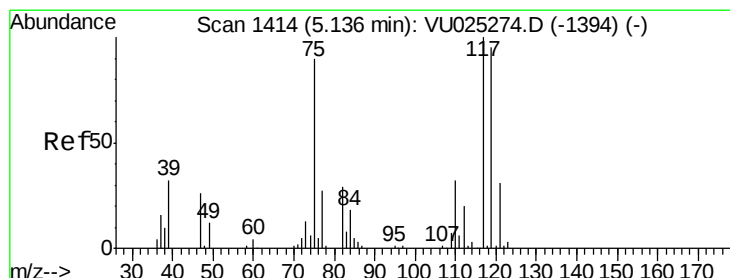
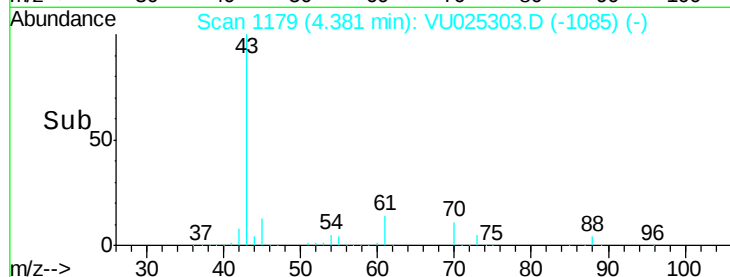
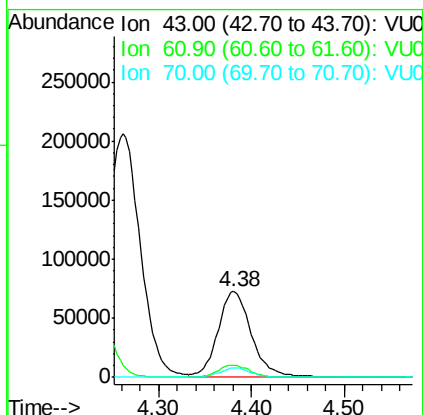
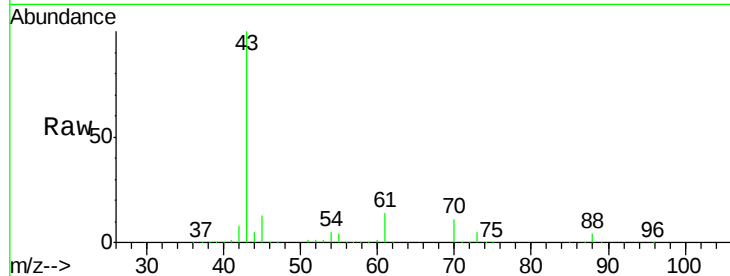




#37
Ethyl Acetate
Concen: 50.35 ug/l
RT: 4.38 min Scan# 1179
Delta R.T. 0.00 min
Lab File: VU025303.D
Acq: 10 Jul 2018 20:57

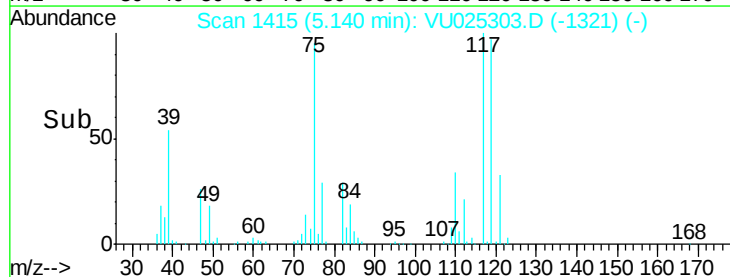
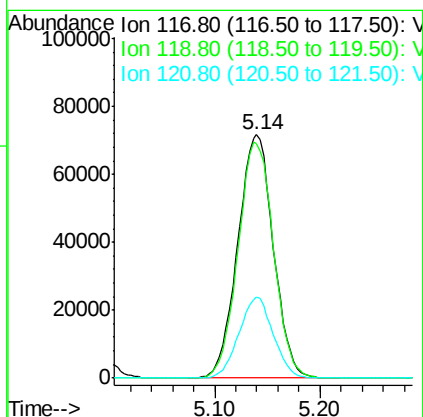
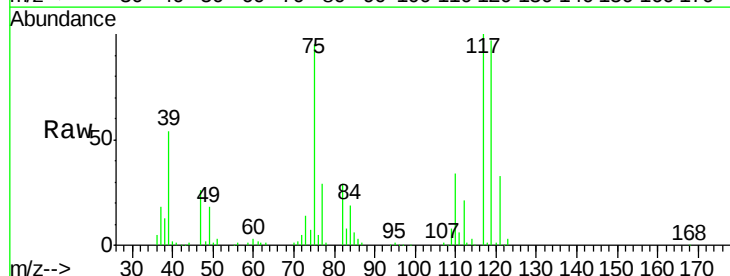
Instrument :
MSVOA_U
ClientSampleId :
BR-1-070518MSD

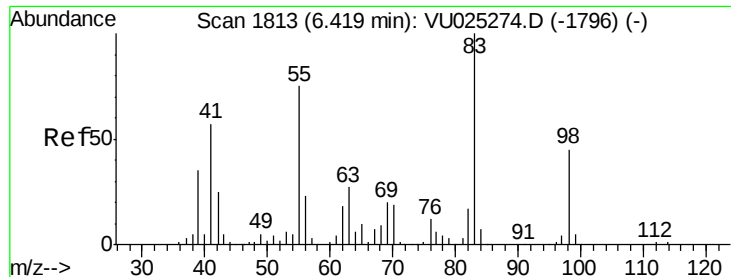
Tot Ion: 43 Resp: 177930
Ion Ratio Lower Upper
43 100
61 13.5 10.7 16.1
70 10.6 8.4 12.6



#38
Carbon Tetrachloride
Concen: 49.17 ug/l
RT: 5.14 min Scan# 1415
Delta R.T. 0.00 min
Lab File: VU025303.D
Acq: 10 Jul 2018 20:57

Tgt Ion: 117 Resp: 167703
Ion Ratio Lower Upper
117 100
119 96.6 75.7 113.5
121 33.5 24.6 36.8

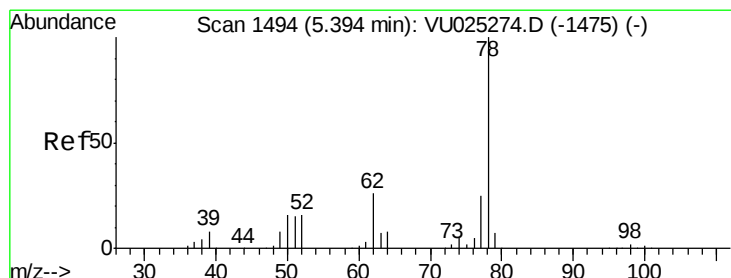
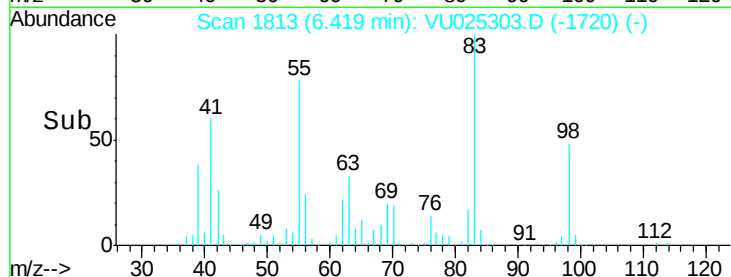
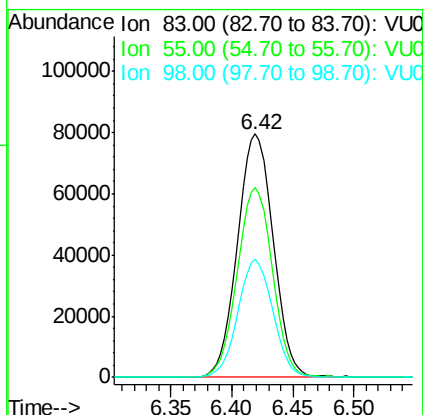
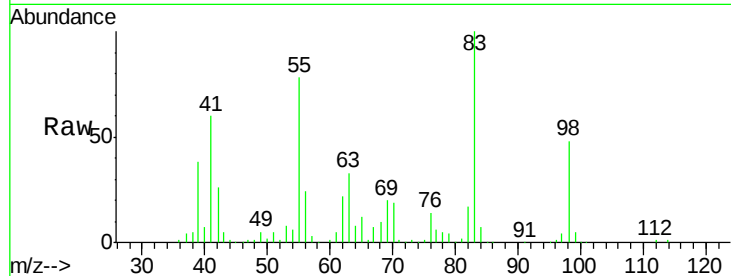




#39
Methvlcvclohexane
Concen: 40.93 ug/l
RT: 6.42 min Scan# 1813
Delta R.T. 0.00 min
Lab File: VU025303.D
Acq: 10 Jul 2018 20:57

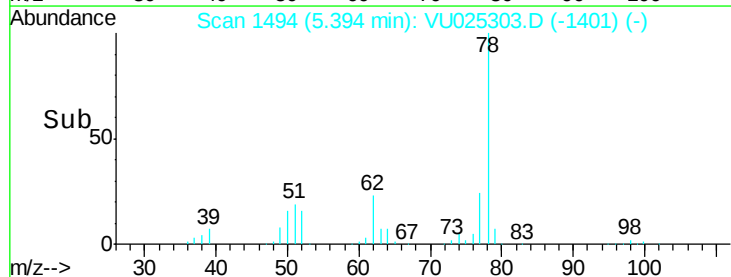
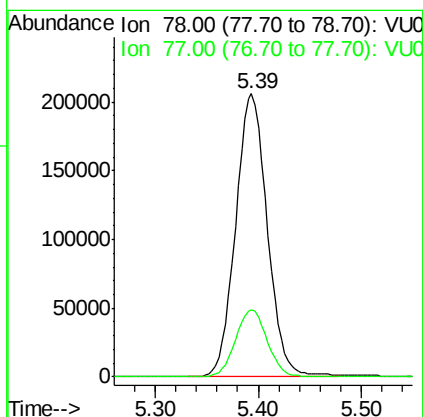
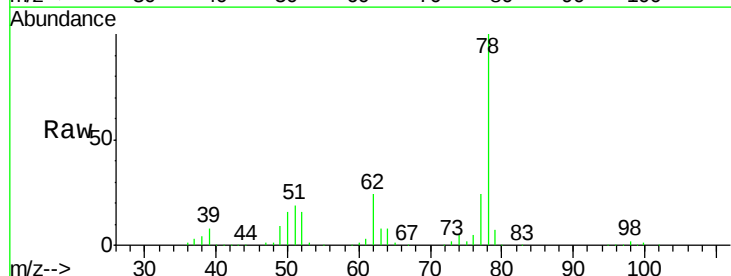
Instrument :
MSVOA_U
ClientSampleId :
BR-1-070518MSD

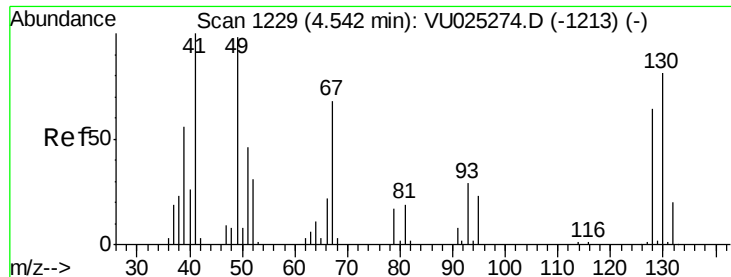
Tot Ion: 83 Resp: 161759
Ion Ratio Lower Upper
83 100
55 77.9 60.0 90.0
98 48.3 36.1 54.1



#40
Benzene
Concen: 48.23 ug/l
RT: 5.39 min Scan# 1494
Delta R.T. 0.00 min
Lab File: VU025303.D
Acq: 10 Jul 2018 20:57

Tgt Ion: 78 Resp: 440416
Ion Ratio Lower Upper
78 100
77 23.8 19.8 29.6

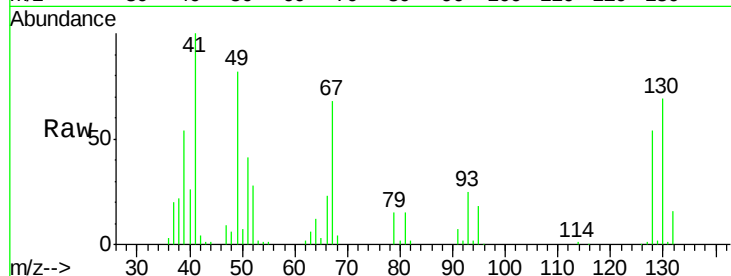




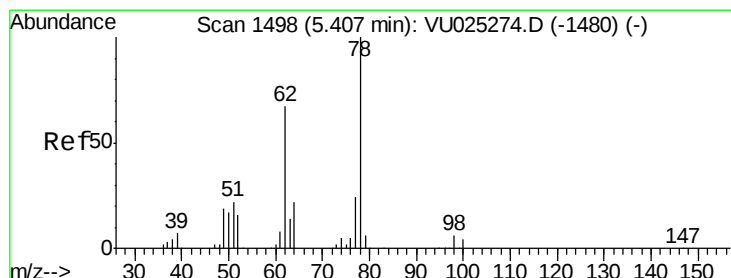
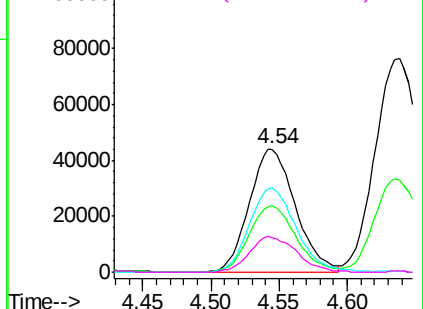
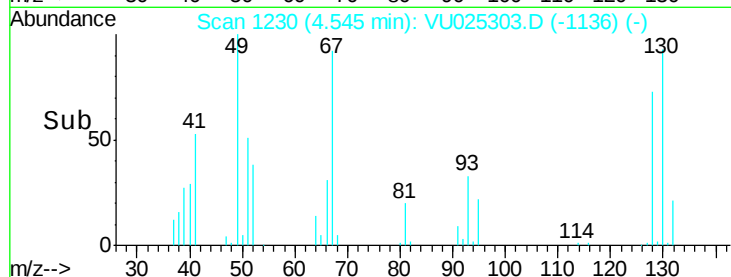
#41
Methacrylonitrile
Concen: 52.43 ug/l
RT: 4.54 min Scan# 1230
Delta R.T. 0.00 min
Lab File: VU025303.D
Acq: 10 Jul 2018 20:57

Instrument :
MSVOA_U
ClientSampleId :
BR-1-070518MSD

Tot Ion:	41	Resp:	102720
Ion	Ratio	Lower	Upper
41	100		
39	55.1	44.4	66.6
67	69.7	56.0	84.0
52	29.8	24.6	36.8

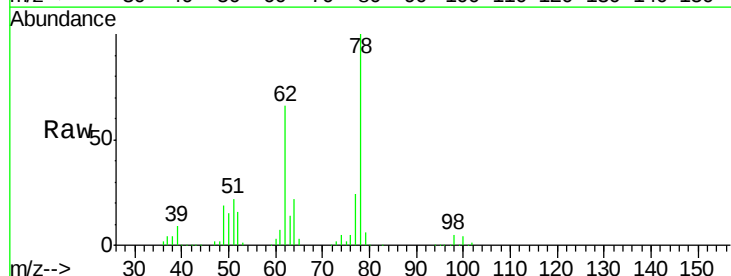


Abundance Ion 41.00 (40.70 to 41.70): VU0
Ion 39.00 (38.70 to 39.70): VU0
Ion 67.00 (66.70 to 67.70): VU0
Ion 52.00 (51.70 to 52.70): VU0

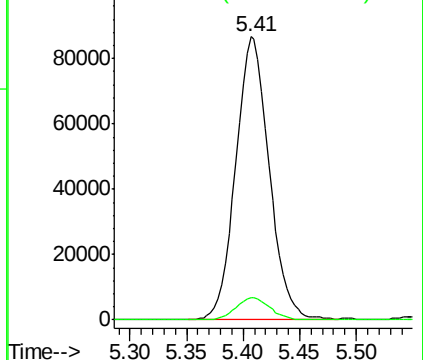
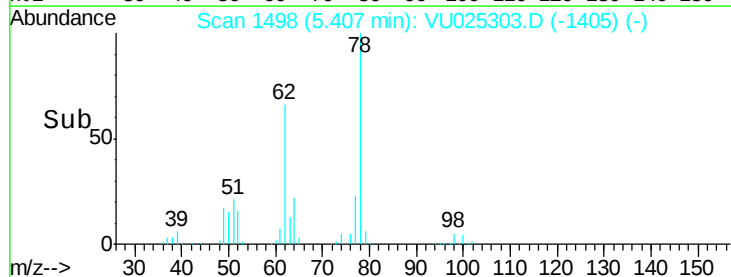


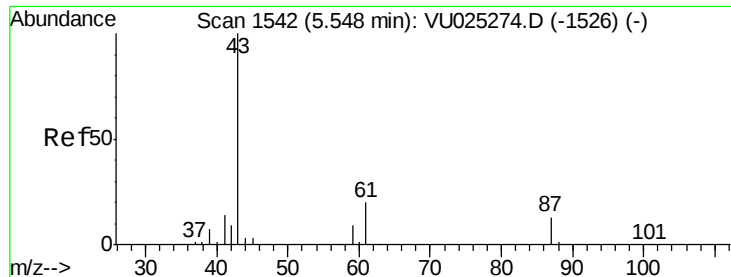
#42
1,2-Dichloroethane
Concen: 49.34 ug/l
RT: 5.41 min Scan# 1498
Delta R.T. 0.00 min
Lab File: VU025303.D
Acq: 10 Jul 2018 20:57

Tgt Ion:	62	Resp:	179114
Ion	Ratio	Lower	Upper
62	100		
98	8.0	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: 50.10 ug/l

RT: 5.55 min Scan# 1542

Delta R.T. 0.00 min

Lab File: VU025303.D

Acq: 10 Jul 2018 20:57

Instrument :

MSVOA_U

ClientSampleId :

BR-1-070518MSD

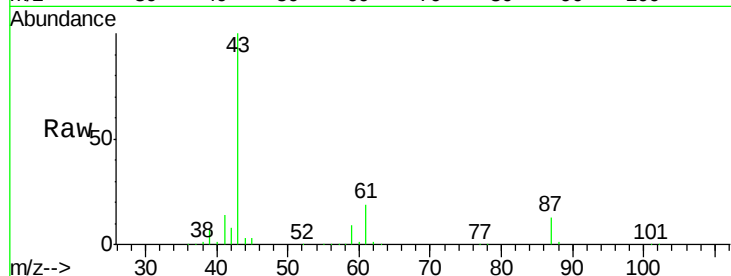
Tot Ion: 43 Resp: 283532

Ion Ratio Lower Upper

43 100

61 19.6 15.5 23.3

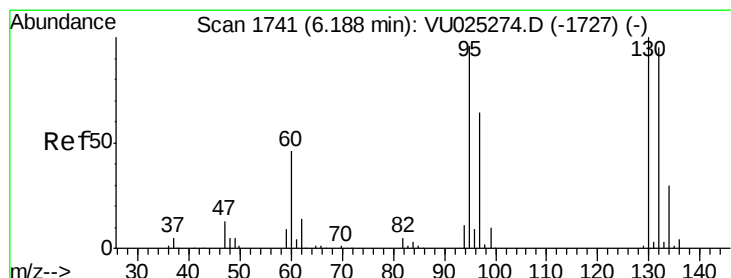
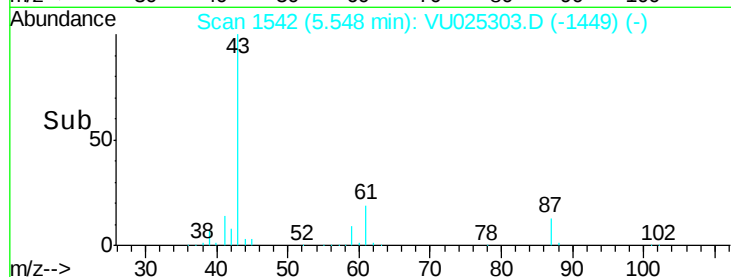
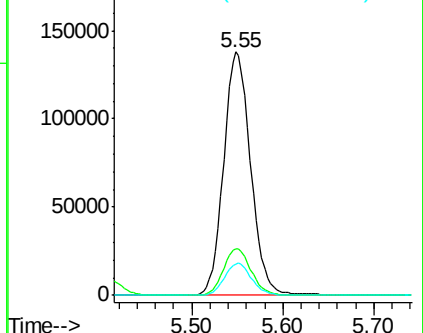
87 13.2 10.6 16.0



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 87.00 (86.70 to 87.70): VU0



#44

Trichloroethene

Concen: 47.36 ug/l

RT: 6.19 min Scan# 1741

Delta R.T. 0.00 min

Lab File: VU025303.D

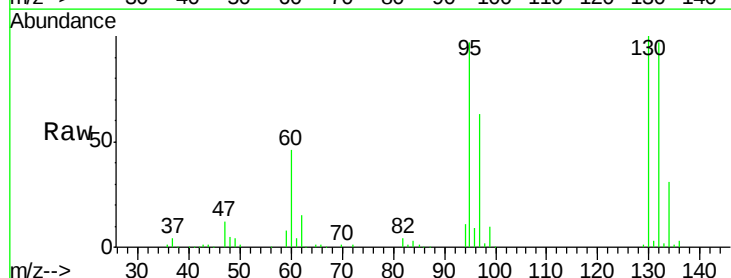
Acq: 10 Jul 2018 20:57

Tgt Ion:130 Resp: 124171

Ion Ratio Lower Upper

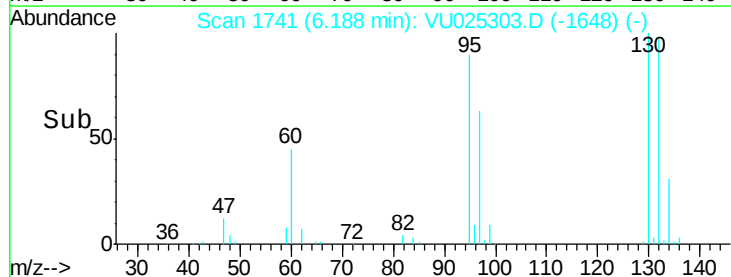
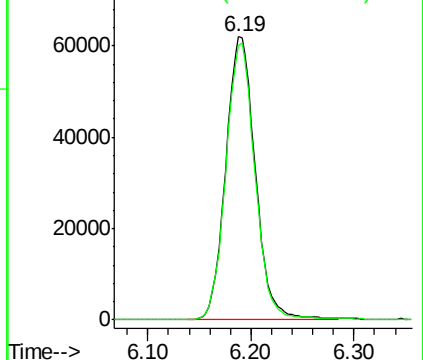
130 100

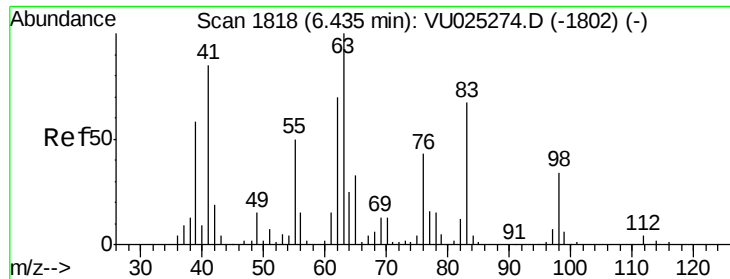
95 97.0 0.0 192.2



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VU0





#45

1,2-Dichloropropane

Concen: 50.84 ug/l

RT: 6.44 min Scan# 1818

Delta R.T. 0.00 min

Lab File: VU025303.D

Acq: 10 Jul 2018 20:57

Instrument :

MSVOA_U

ClientSampleId :

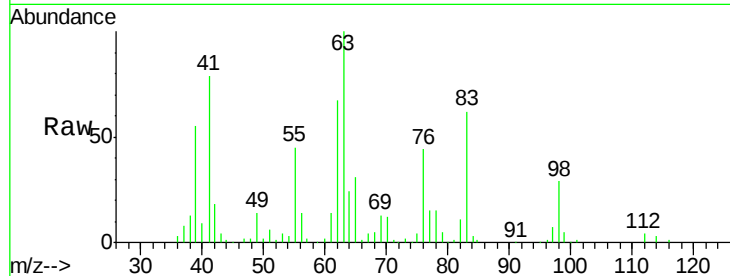
BR-1-070518MSD

Tot Ion: 63 Resp: 121591

Ion Ratio Lower Upper

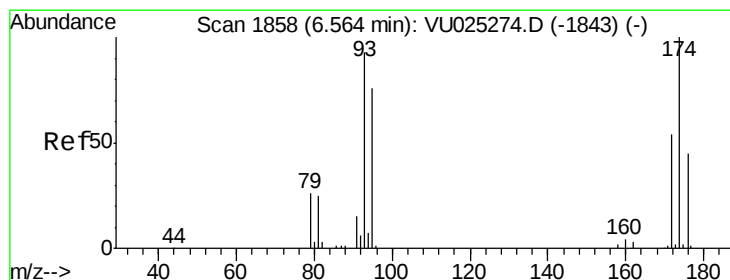
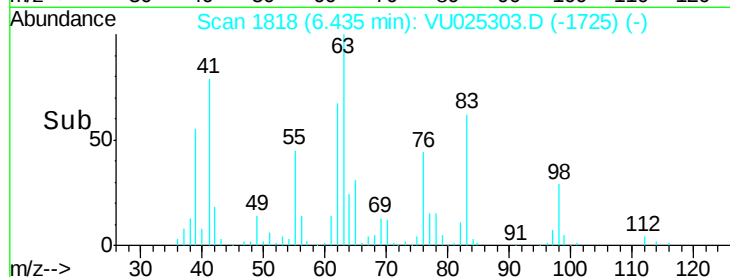
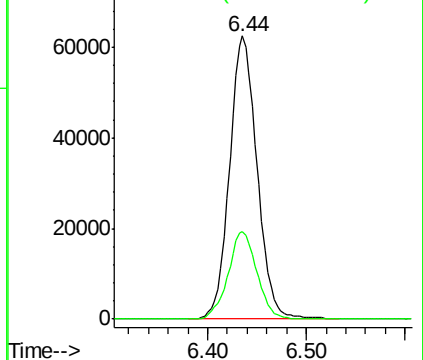
63 100

65 31.1 26.1 39.1



Abundance Ion 62.90 (62.60 to 63.60): VU025274.D (-1802) (-)

Ion 64.90 (64.60 to 65.60): VU025303.D (-1725) (-)



#46

Dibromomethane

Concen: 49.35 ug/l

RT: 6.56 min Scan# 1858

Delta R.T. 0.00 min

Lab File: VU025303.D

Acq: 10 Jul 2018 20:57

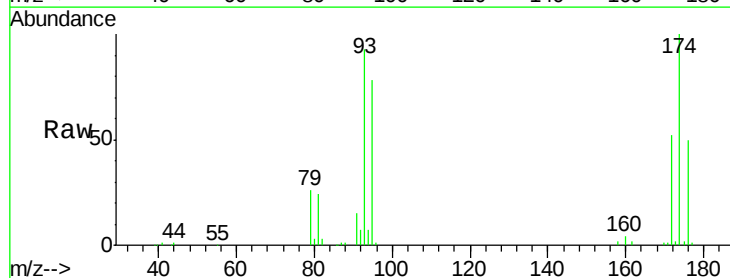
Tgt Ion: 93 Resp: 85891

Ion Ratio Lower Upper

93 100

95 82.8 66.6 100.0

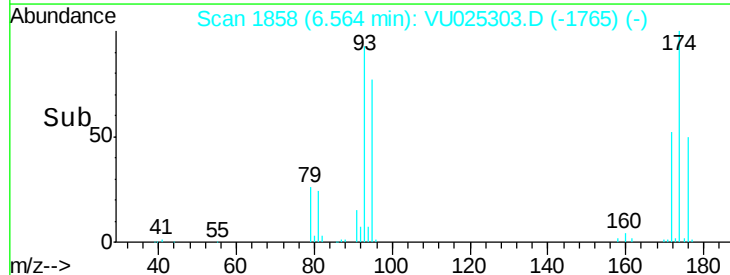
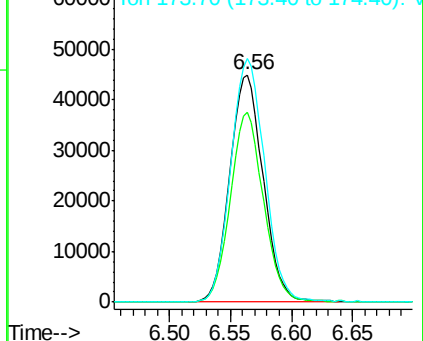
174 108.7 85.8 128.8

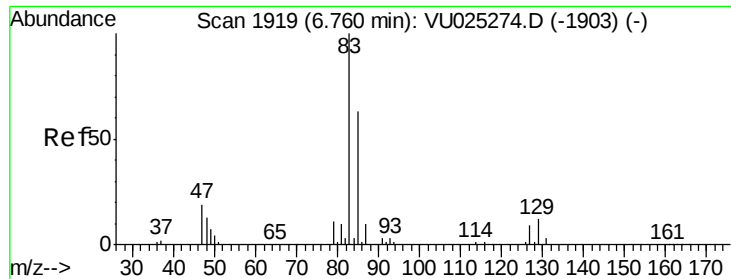


Abundance Ion 92.80 (92.50 to 93.50): VU025274.D (-1843) (-)

Ion 94.80 (94.50 to 95.50): VU025303.D (-1765) (-)

Ion 173.70 (173.40 to 174.40): VU025303.D (-1765) (-)





#47

Bromodichloromethane

Concen: 50.49 ug/l

RT: 6.76 min Scan# 1919

Delta R.T. 0.00 min

Lab File: VU025303.D

Acq: 10 Jul 2018 20:57

Instrument :

MSVOA_U

ClientSampleId :

BR-1-070518MSD

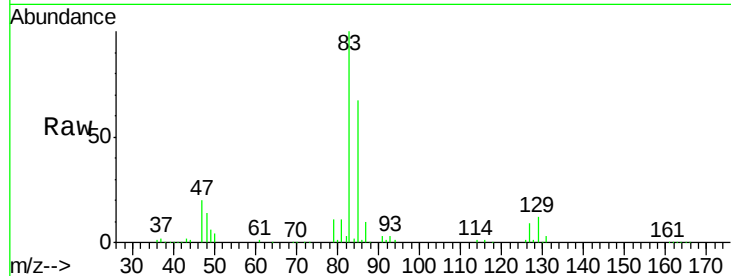
Tot Ion: 83 Resp: 163247

Ion Ratio Lower Upper

83 100

85 66.6 50.2 75.4

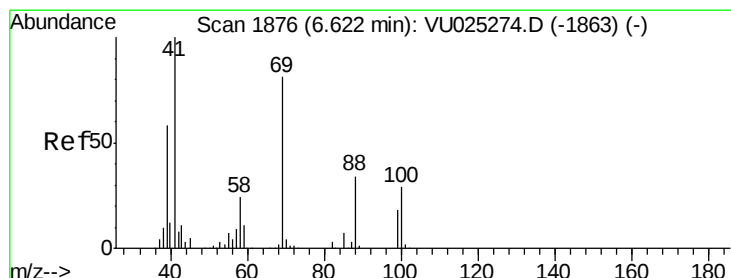
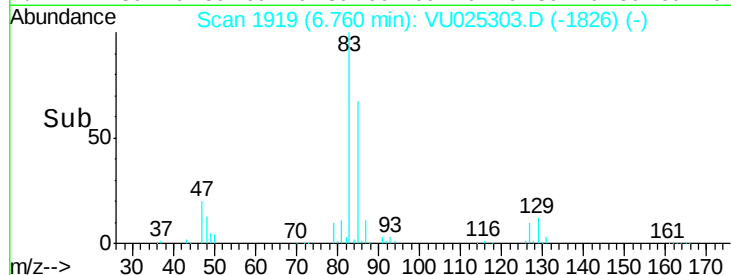
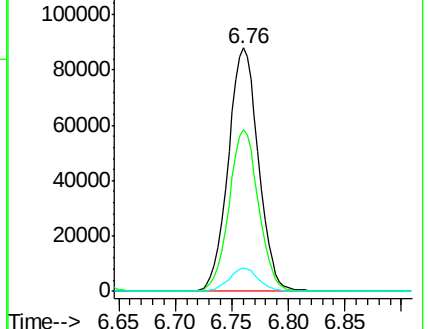
127 9.5 7.2 10.8



Abundance Ion 82.90 (82.60 to 83.60): VU025303.D (-1826) (-)

Ion 84.90 (84.60 to 85.60): VU025303.D (-1826) (-)

Ion 126.80 (126.50 to 127.50): VU025303.D (-1826) (-)



#48

Methyl methacrylate

Concen: 52.16 ug/l

RT: 6.62 min Scan# 1876

Delta R.T. 0.00 min

Lab File: VU025303.D

Acq: 10 Jul 2018 20:57

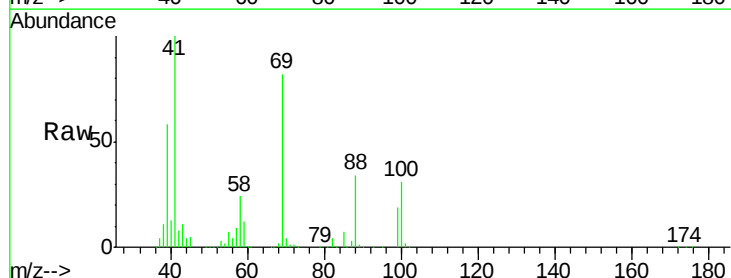
Tgt Ion: 41 Resp: 147139

Ion Ratio Lower Upper

41 100

69 83.0 65.0 97.4

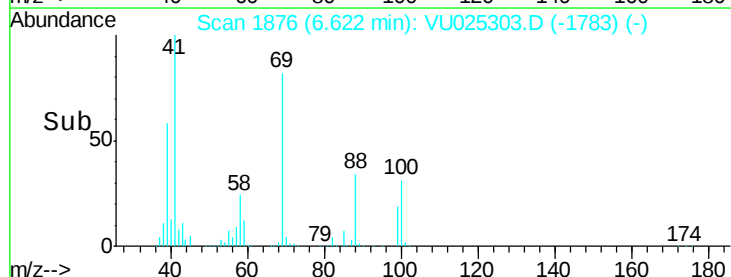
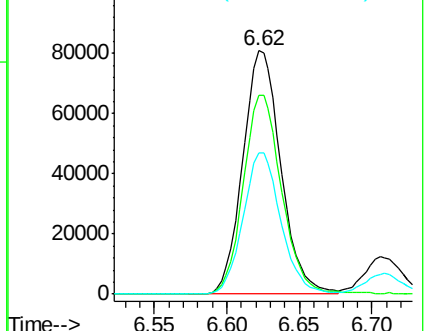
39 57.6 46.4 69.6

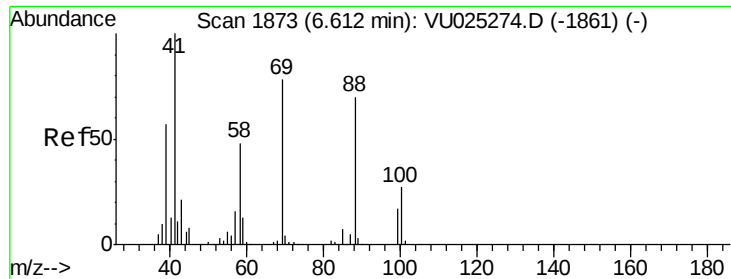


Abundance Ion 41.00 (40.70 to 41.70): VU025303.D (-1783) (-)

Ion 69.00 (68.70 to 69.70): VU025303.D (-1783) (-)

Ion 39.00 (38.70 to 39.70): VU025303.D (-1783) (-)

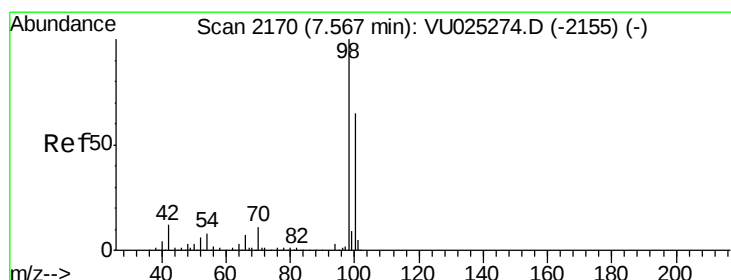
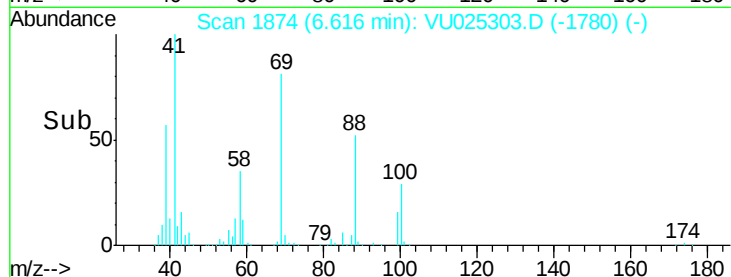
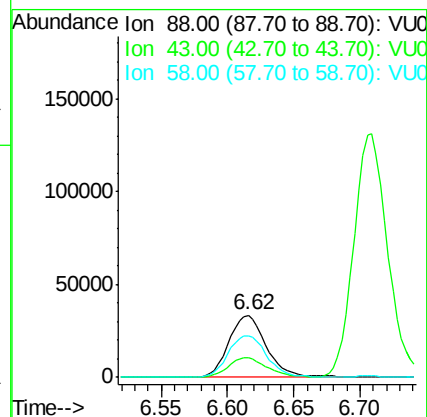
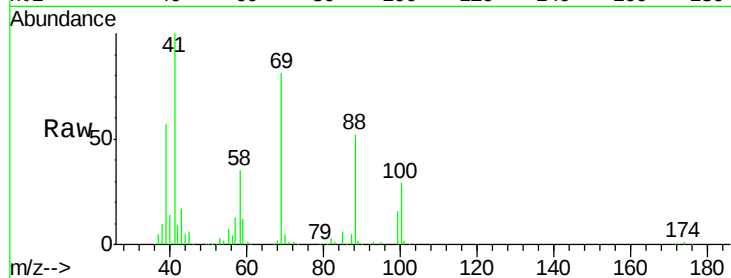




#49
1,4-Dioxane
Concen: 948.00 ug/l
RT: 6.62 min Scan# 1874
Delta R.T. 0.00 min
Lab File: VU025303.D
Acq: 10 Jul 2018 20:57

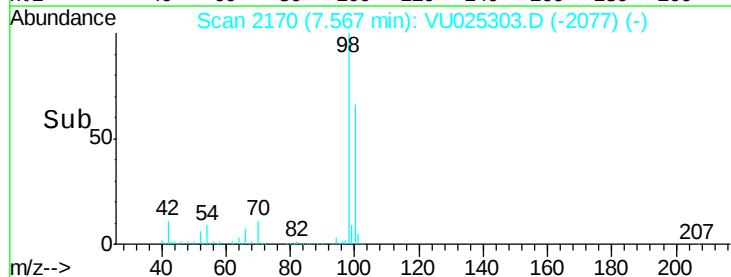
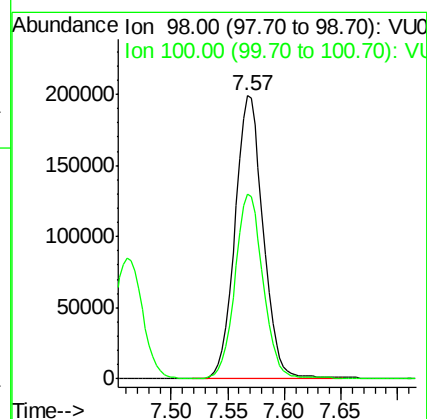
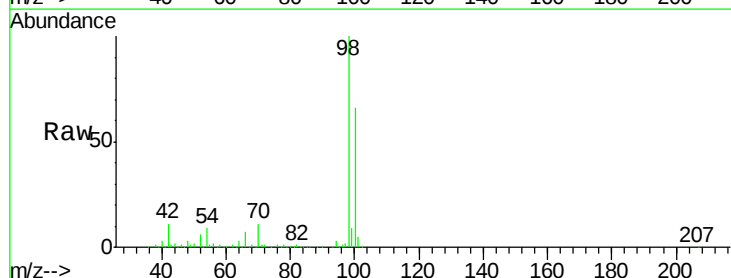
Instrument :
MSVOA_U
ClientSampleId :
BR-1-070518MSD

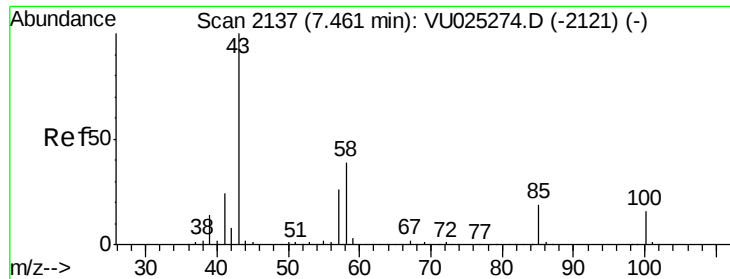
Tot Ion: 88 Resp: 64354
Ion Ratio Lower Upper
88 100
43 34.0 27.3 40.9
58 71.1 57.6 86.4



#50
Toluene-d8
Concen: 41.95 ug/l
RT: 7.57 min Scan# 2170
Delta R.T. 0.00 min
Lab File: VU025303.D
Acq: 10 Jul 2018 20:57

Tgt Ion: 98 Resp: 345386
Ion Ratio Lower Upper
98 100
100 64.6 51.1 76.7





#51

4-Methyl-2-Pentanone

Concen: 260.30 ug/l

RT: 7.46 min Scan# 2137

Delta R.T. 0.00 min

Lab File: VU025303.D

Acq: 10 Jul 2018 20:57

Instrument :

MSVOA_U

ClientSampleId :

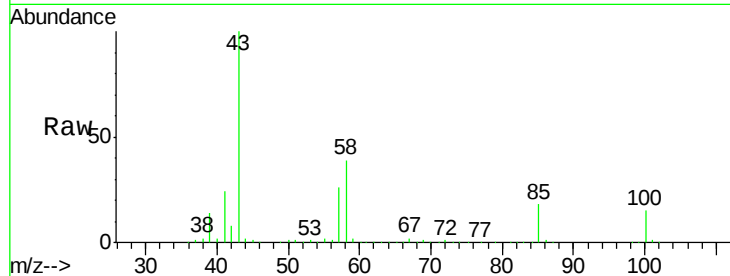
BR-1-070518MSD

Tot Ion: 43 Resp: 957427

Ion Ratio Lower Upper

43 100

58 38.8 31.0 46.4



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0

7.46

600000

500000

400000

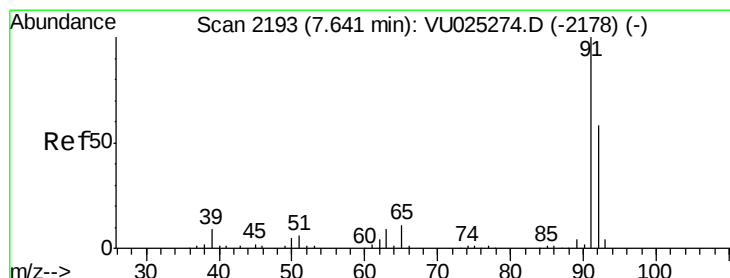
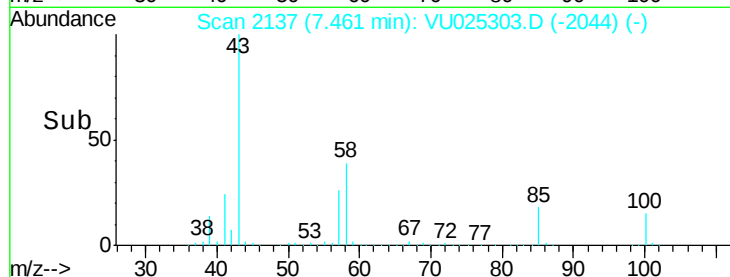
300000

200000

100000

0

Time-->



#52

Toluene

Concen: 48.77 ug/l

RT: 7.64 min Scan# 2193

Delta R.T. 0.00 min

Lab File: VU025303.D

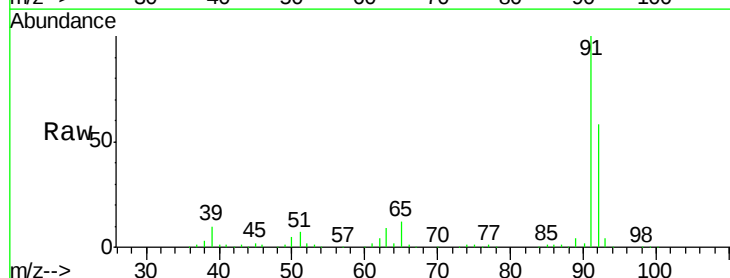
Acq: 10 Jul 2018 20:57

Tgt Ion: 92 Resp: 283324

Ion Ratio Lower Upper

92 100

91 174.2 139.2 208.8



Abundance Ion 92.00 (91.70 to 92.70): VU0

Ion 91.00 (90.70 to 91.70): VU0

7.64

300000

250000

200000

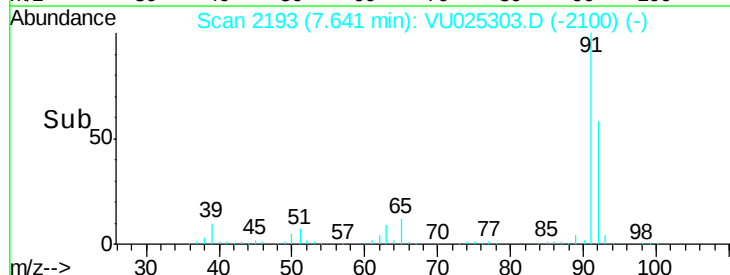
150000

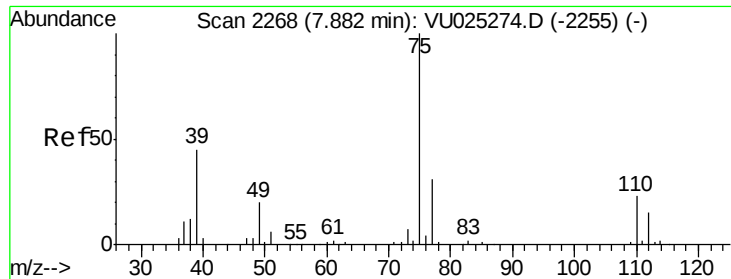
100000

50000

0

Time-->

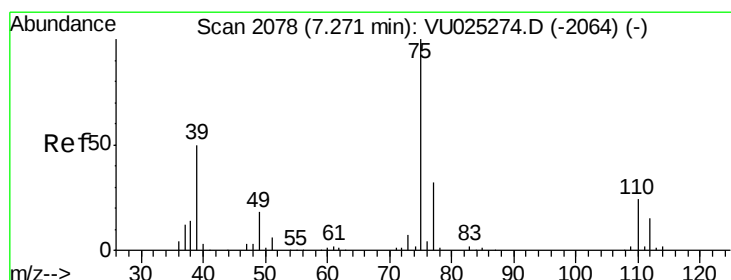
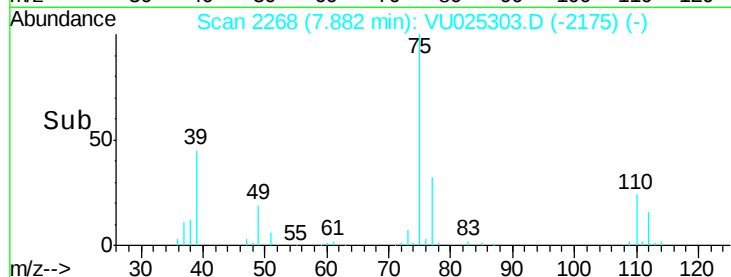
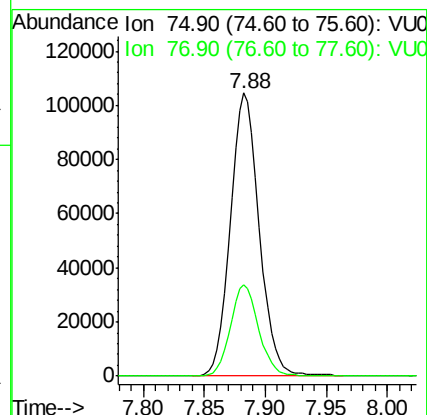
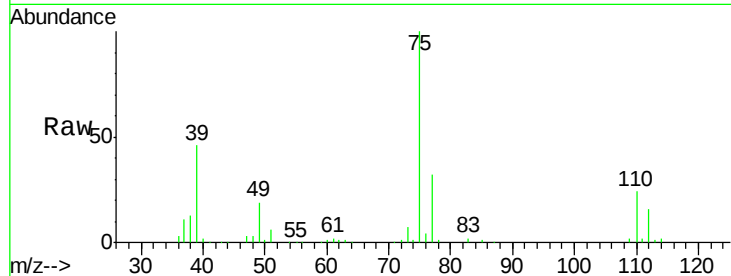




#53
t-1,3-Dichloropropene
Concen: 48.75 ug/l
RT: 7.88 min Scan# 2268
Delta R.T. 0.00 min
Lab File: VU025303.D
Acq: 10 Jul 2018 20:57

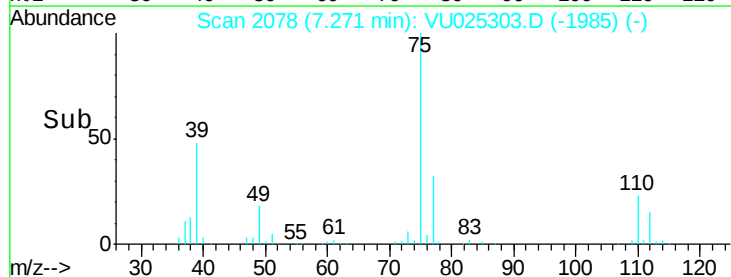
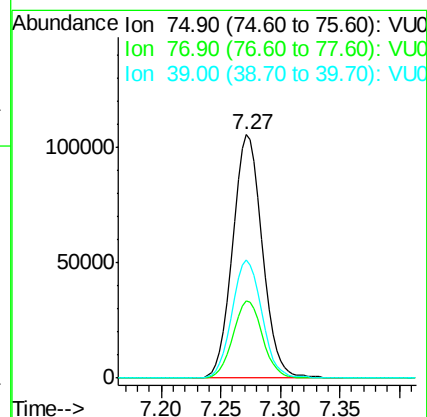
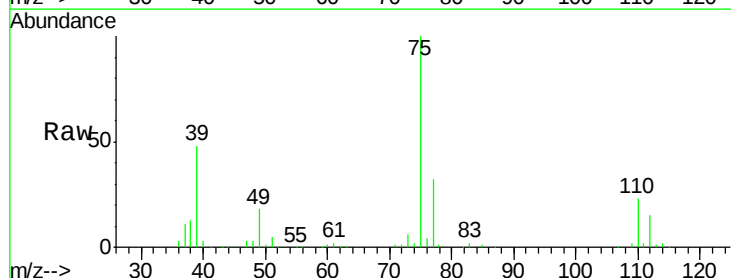
Instrument :
MSVOA_U
ClientSampleId :
BR-1-070518MSD

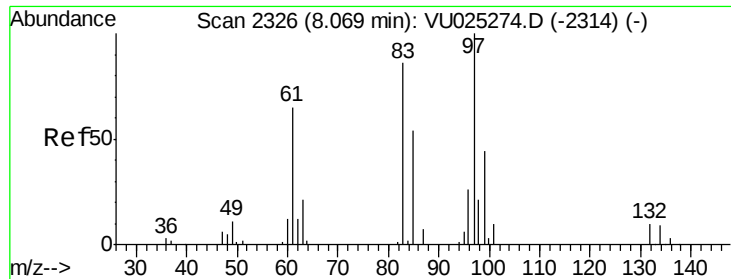
Tot Ion: 75 Resp: 173187
Ion Ratio Lower Upper
75 100
77 32.4 24.5 36.7



#54
cis-1,3-Dichloropropene
Concen: 48.34 ug/l
RT: 7.27 min Scan# 2078
Delta R.T. 0.00 min
Lab File: VU025303.D
Acq: 10 Jul 2018 20:57

Tgt Ion: 75 Resp: 182778
Ion Ratio Lower Upper
75 100
77 31.8 25.6 38.4
39 48.4 40.0 60.0

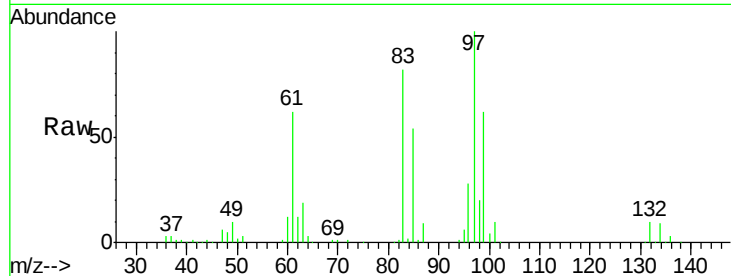




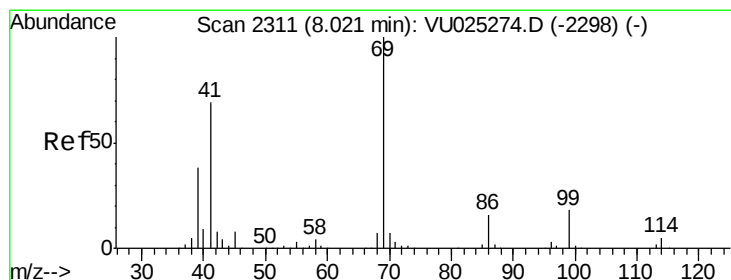
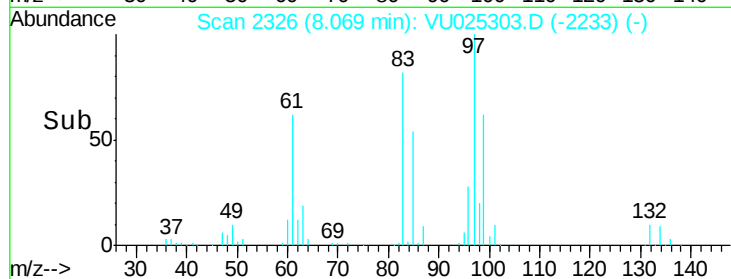
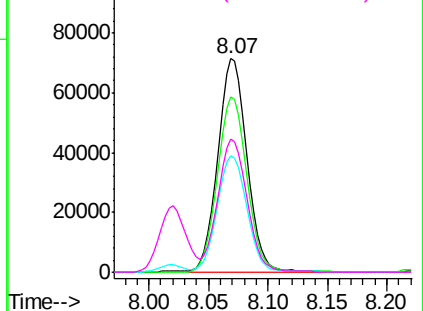
#55
 1,1,2-Trichloroethane
 Concen: 49.87 ug/l
 RT: 8.07 min Scan# 2326
 Delta R.T. 0.00 min
 Lab File: VU025303.D
 Acq: 10 Jul 2018 20:57

Instrument :
 MSVOA_U
 ClientSampleId :
 BR-1-070518MSD

Tot Ion:	97	Resp:	120657
Ion	Ratio	Lower	Upper
97	100		
83	81.8	68.9	103.3
85	54.5	44.4	66.6
99	62.3	51.0	76.4

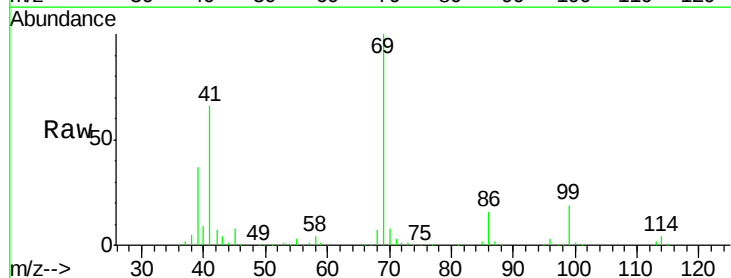


Abundance Ion 96.90 (96.60 to 97.60): VU0
 Ion 82.90 (82.60 to 83.60): VU0
 Ion 84.90 (84.60 to 85.60): VU0
 Ion 98.90 (98.60 to 99.60): VU0

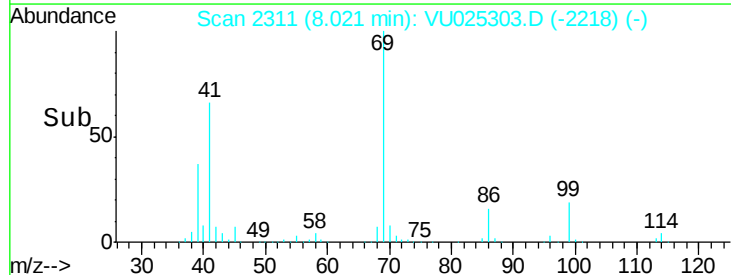
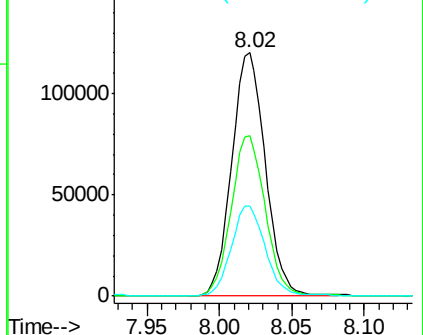


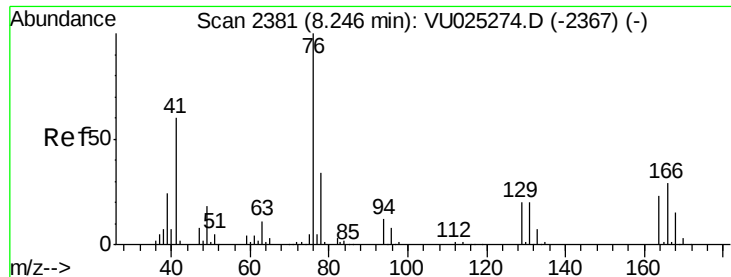
#56
 Ethyl methacrylate
 Concen: 51.13 ug/l
 RT: 8.02 min Scan# 2311
 Delta R.T. 0.00 min
 Lab File: VU025303.D
 Acq: 10 Jul 2018 20:57

Tgt Ion:	69	Resp:	193227
Ion	Ratio	Lower	Upper
69	100		
41	66.9	54.8	82.2
39	36.8	31.1	46.7



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





#57

1,3-Dichloropropane

Concen: 50.28 ug/l

RT: 8.25 min Scan# 2381

Delta R.T. 0.00 min

Lab File: VU025303.D

Acq: 10 Jul 2018 20:57

Instrument :

MSVOA_U

ClientSampleId :

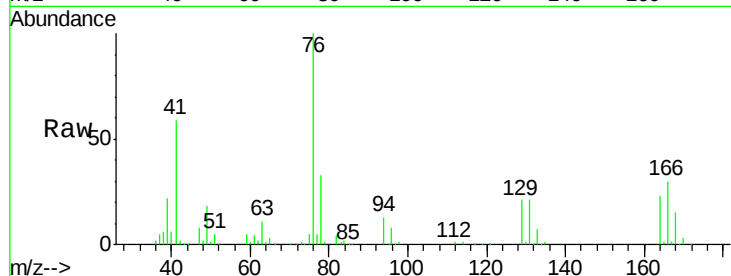
BR-1-070518MSD

Tot Ion: 76 Resp: 201944

Ion Ratio Lower Upper

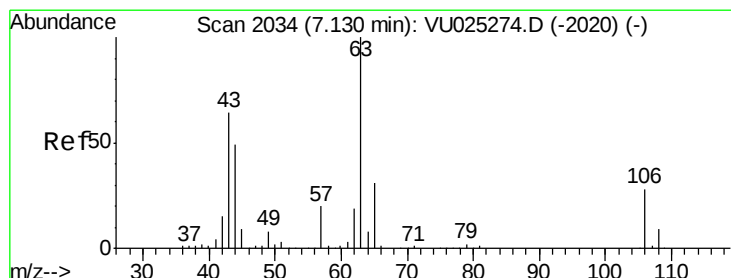
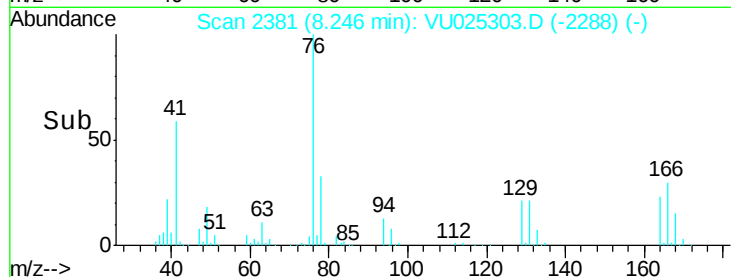
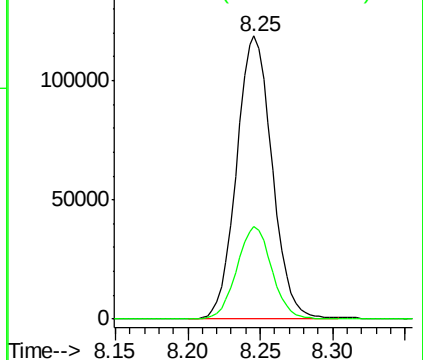
76 100

78 32.4 26.1 39.1



Abundance Ion 75.90 (75.60 to 76.60): VU0

Ion 77.90 (77.60 to 78.60): VU0



#58

2-Chloroethyl Vinyl ether

Concen: 11.23 ug/l

RT: 7.15 min Scan# 2039

Delta R.T. 0.02 min

Lab File: VU025303.D

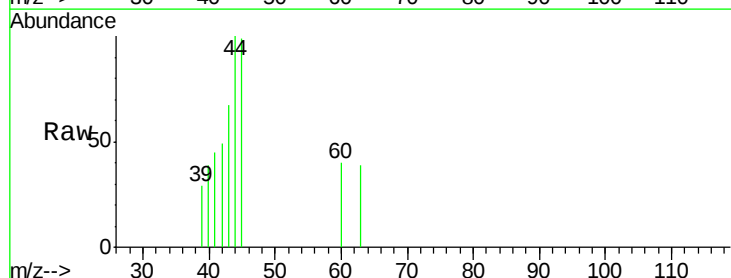
Acq: 10 Jul 2018 20:57

Tgt Ion: 63 Resp: 136

Ion Ratio Lower Upper

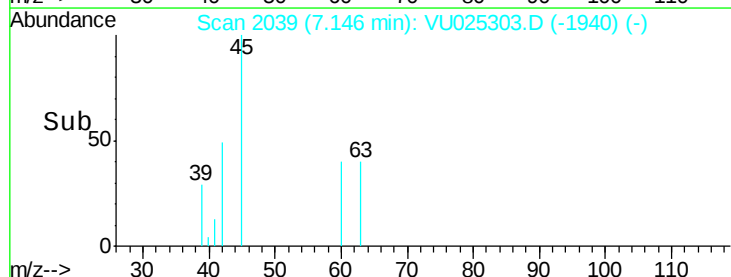
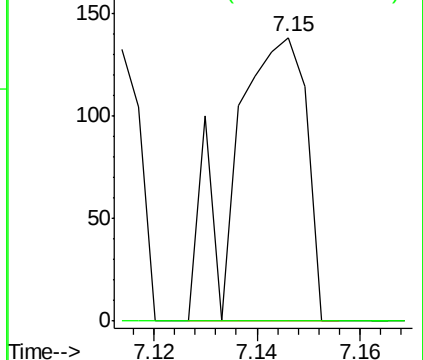
63 100

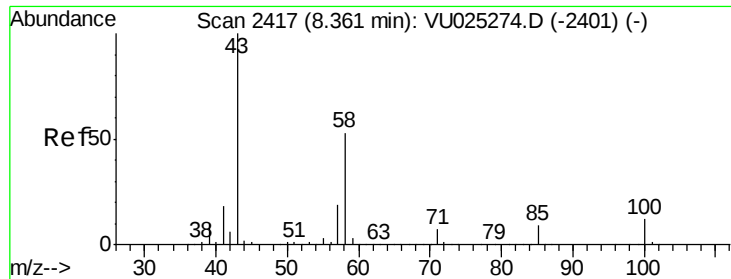
106 0.0 22.3 33.5#



Abundance Ion 62.90 (62.60 to 63.60): VU0

Ion 105.90 (105.60 to 106.60): V

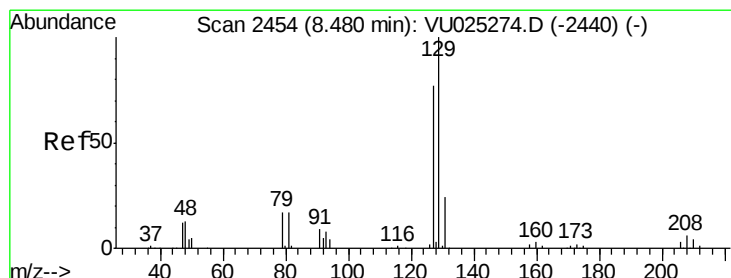
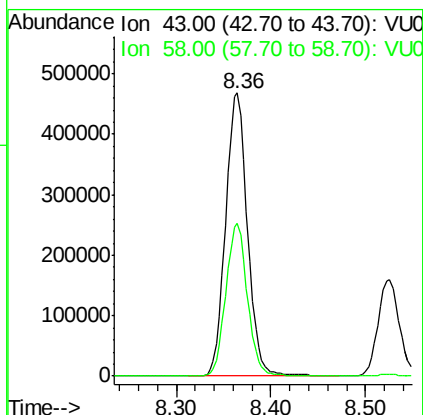
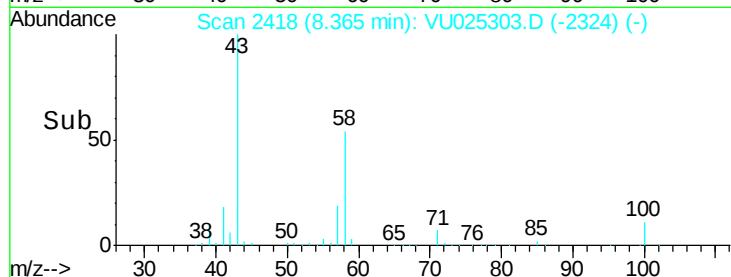
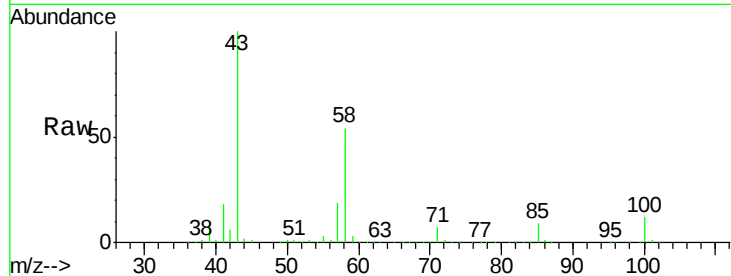




#59
2-Hexanone
Concen: 252.55 ug/l
RT: 8.36 min Scan# 2418
Delta R.T. 0.00 min
Lab File: VU025303.D
Acq: 10 Jul 2018 20:57

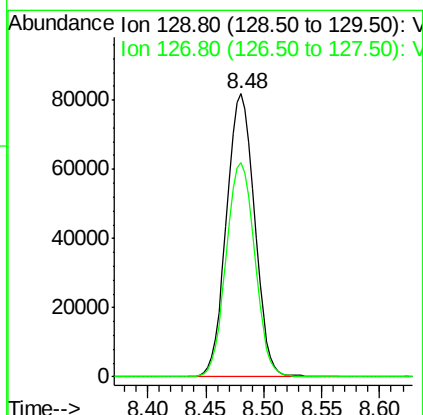
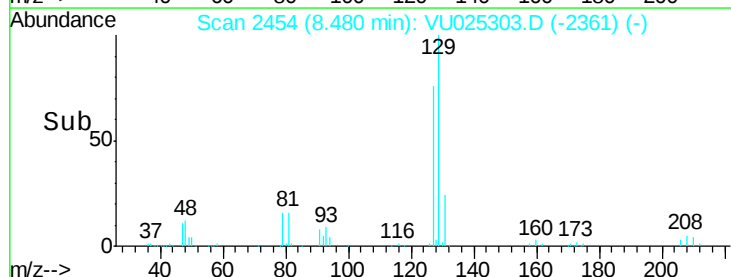
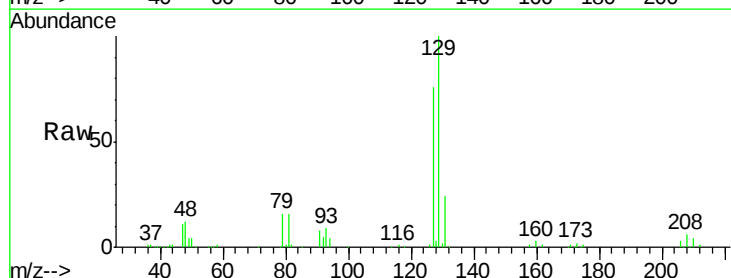
Instrument :
MSVOA_U
ClientSampleId :
BR-1-070518MSD

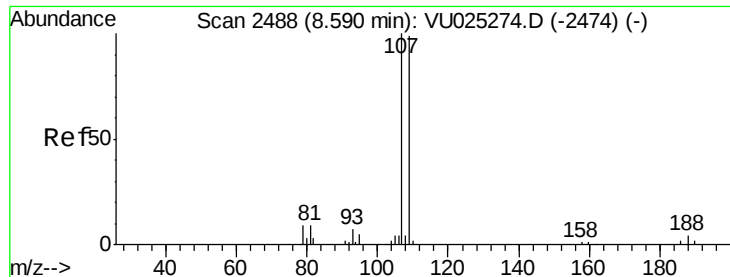
Tot Ion: 43 Resp: 753463
Ion Ratio Lower Upper
43 100
58 53.4 26.2 78.5



#60
Dibromochloromethane
Concen: 52.57 ug/l
RT: 8.48 min Scan# 2454
Delta R.T. 0.00 min
Lab File: VU025303.D
Acq: 10 Jul 2018 20:57

Tgt Ion: 129 Resp: 137369
Ion Ratio Lower Upper
129 100
127 76.9 38.6 115.8





#61

1,2-Dibromoethane

Concen: 51.33 ug/l

RT: 8.59 min Scan# 2488

Delta R.T. 0.00 min

Lab File: VU025303.D

Acq: 10 Jul 2018 20:57

Instrument :

MSVOA_U

ClientSampleId :

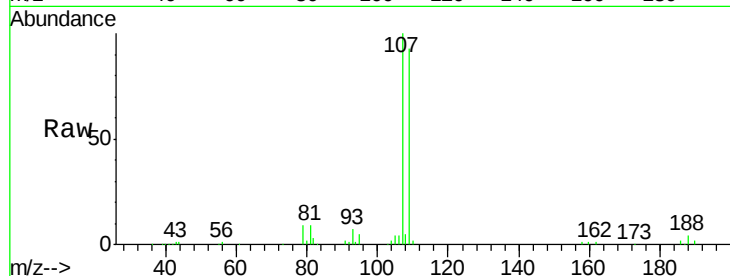
BR-1-070518MSD

Tot Ion:107 Resp: 132891

Ion Ratio Lower Upper

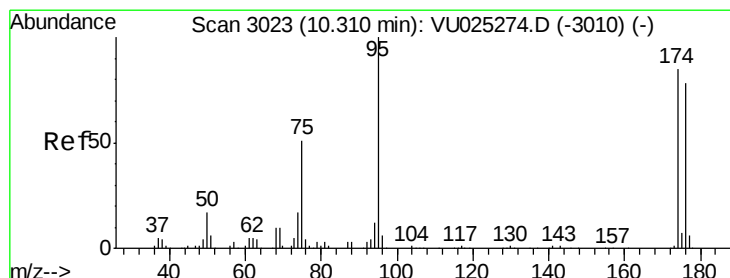
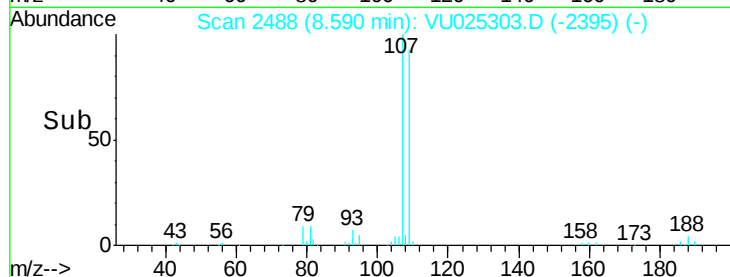
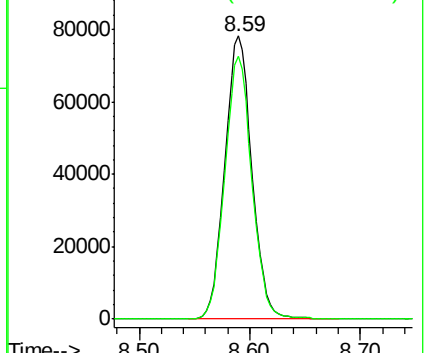
107 100

109 93.3 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: 43.33 ug/l

RT: 10.31 min Scan# 3023

Delta R.T. 0.00 min

Lab File: VU025303.D

Acq: 10 Jul 2018 20:57

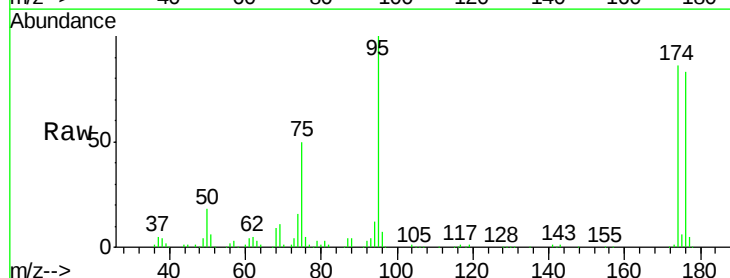
Tgt Ion: 95 Resp: 143630

Ion Ratio Lower Upper

95 100

174 87.2 0.0 172.2

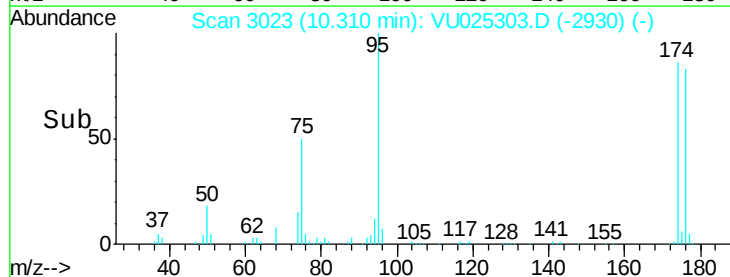
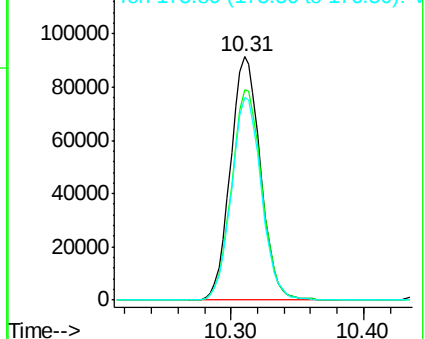
176 83.3 0.0 162.6

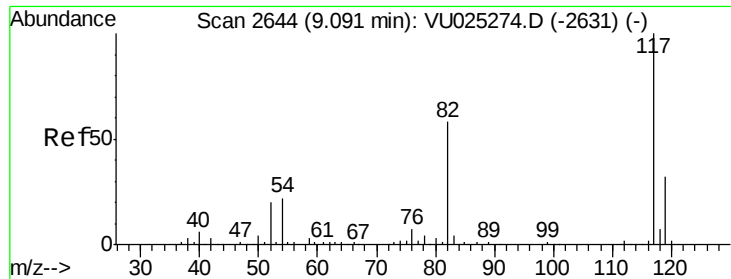


Abundance Ion 94.90 (94.60 to 95.60): VU0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

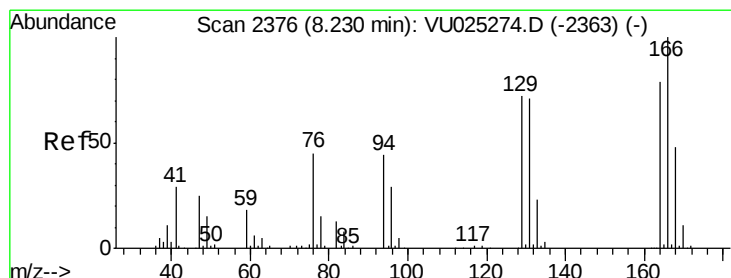
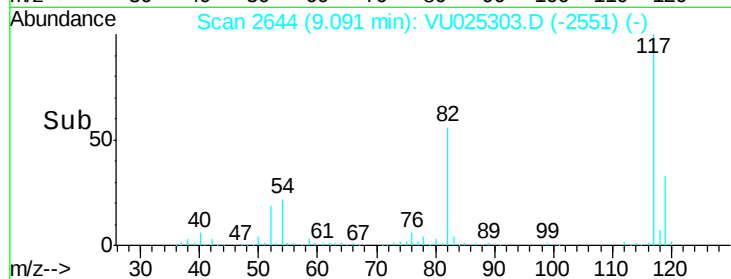
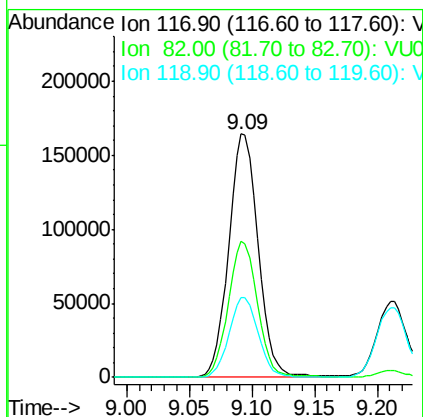
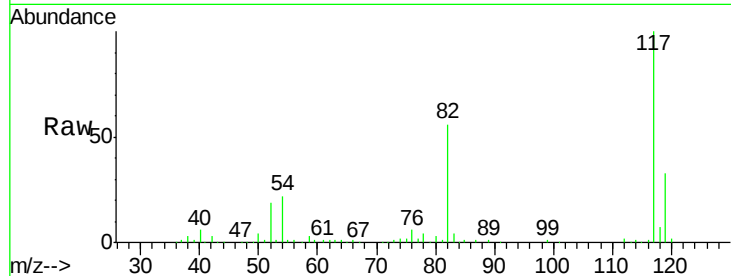




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 9.09 min Scan# 2644
Delta R.T. 0.00 min
Lab File: VU025303.D
Acq: 10 Jul 2018 20:57

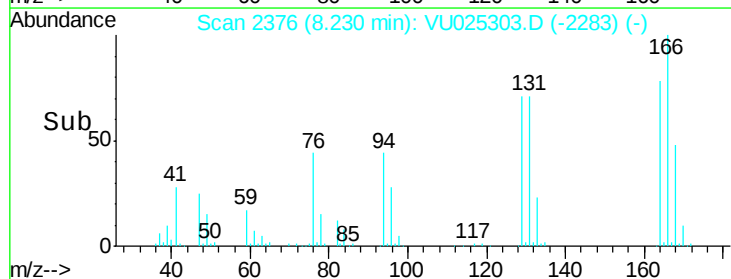
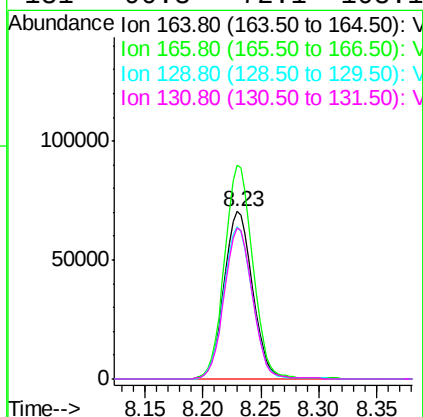
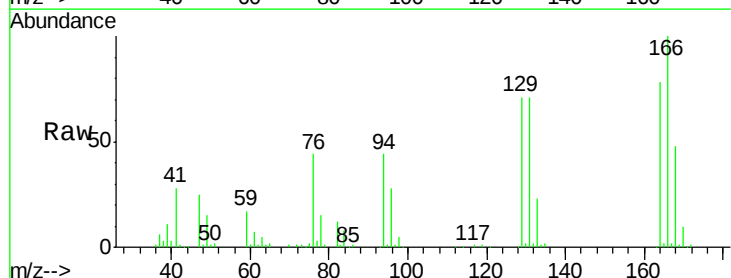
Instrument :
MSVOA_U
ClientSampleId :
BR-1-070518MSD

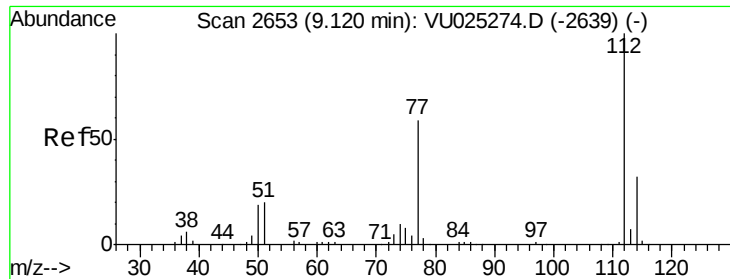
Tot Ion:117 Resp: 268590
Ion Ratio Lower Upper
117 100
82 55.7 46.0 69.0
119 32.8 26.0 39.0



#64
Tetrachloroethene
Concen: 48.97 ug/l
RT: 8.23 min Scan# 2376
Delta R.T. 0.00 min
Lab File: VU025303.D
Acq: 10 Jul 2018 20:57

Tgt Ion:164 Resp: 119890
Ion Ratio Lower Upper
164 100
166 127.6 101.1 151.7
129 91.2 73.0 109.6
131 90.3 72.1 108.1

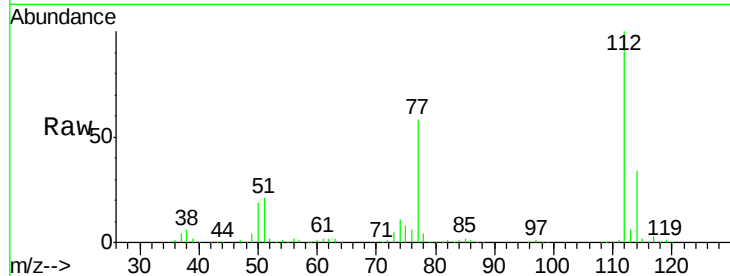




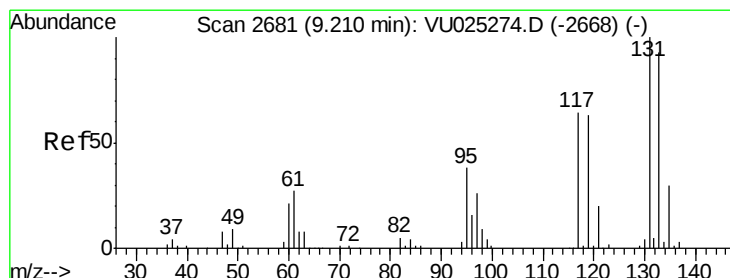
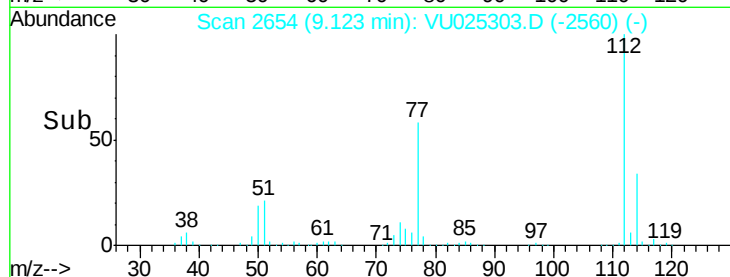
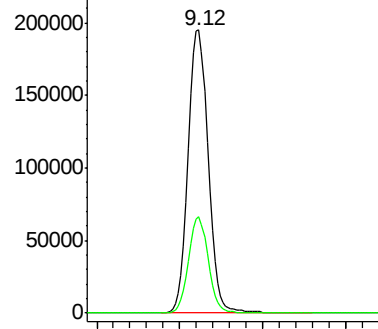
#65
Chlorobenzene
Concen: 49.18 ug/l
RT: 9.12 min Scan# 2654
Delta R.T. 0.00 min
Lab File: VU025303.D
Acq: 10 Jul 2018 20:57

Instrument :
MSVOA_U
ClientSampleId :
BR-1-070518MSD

Tot Ion:112 Resp: 329959
Ion Ratio Lower Upper
112 100
114 33.9 25.8 38.8

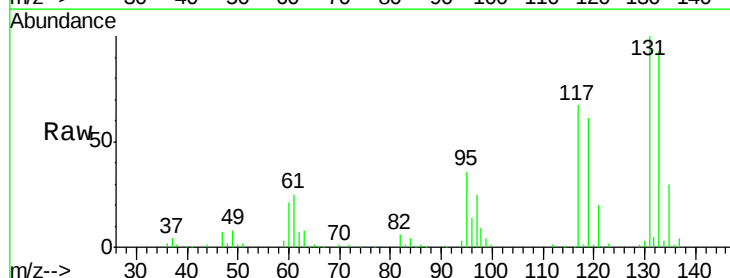


Abundance Ion 111.90 (111.60 to 112.60): V
Ion 113.90 (113.60 to 114.60): V

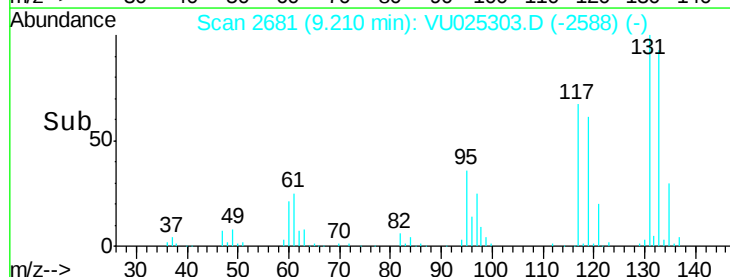
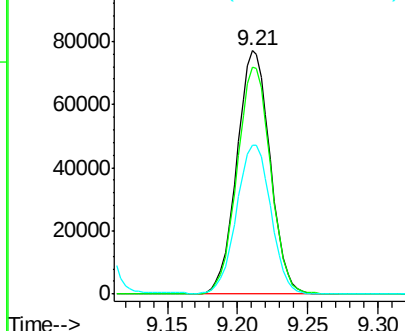


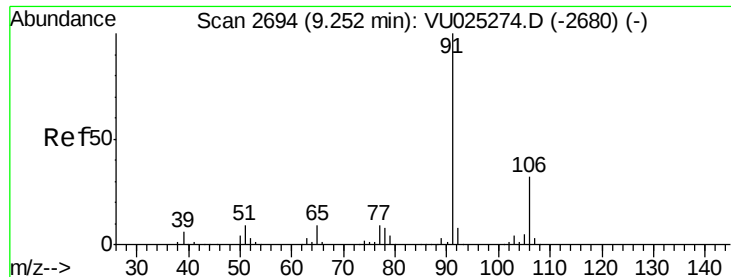
#66
1,1,1,2-Tetrachloroethane
Concen: 53.06 ug/l
RT: 9.21 min Scan# 2681
Delta R.T. 0.00 min
Lab File: VU025303.D
Acq: 10 Jul 2018 20:57

Tgt Ion:131 Resp: 127346
Ion Ratio Lower Upper
131 100
133 93.9 47.8 143.3
119 63.4 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: 48.76 ug/l

RT: 9.25 min Scan# 2694

Delta R.T. 0.00 min

Lab File: VU025303.D

Acq: 10 Jul 2018 20:57

Instrument :

MSVOA_U

ClientSampleId :

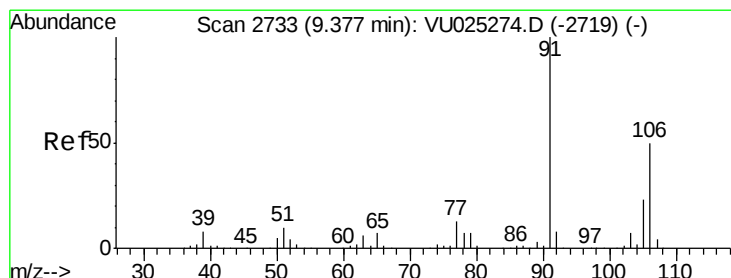
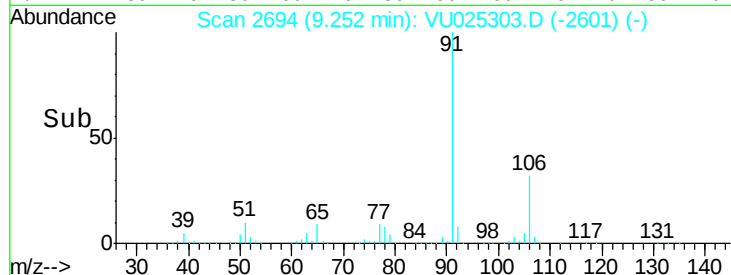
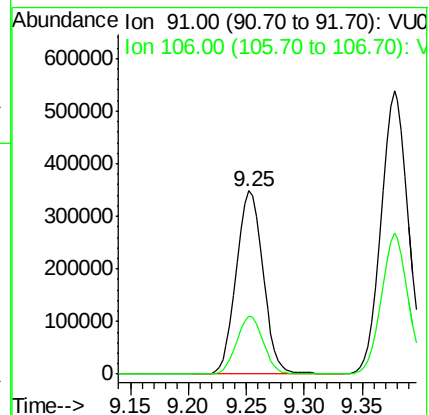
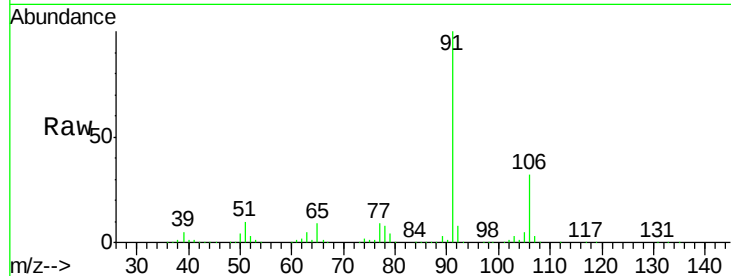
BR-1-070518MSD

Tot Ion: 91 Resp: 557805

Ion Ratio Lower Upper

91 100

106 31.6 25.3 37.9



#68

m/p-Xylenes

Concen: 98.44 ug/l

RT: 9.38 min Scan# 2733

Delta R.T. 0.00 min

Lab File: VU025303.D

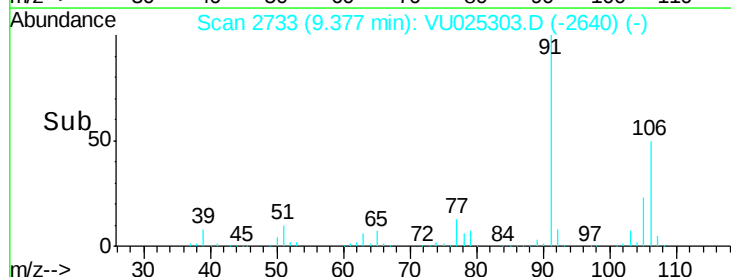
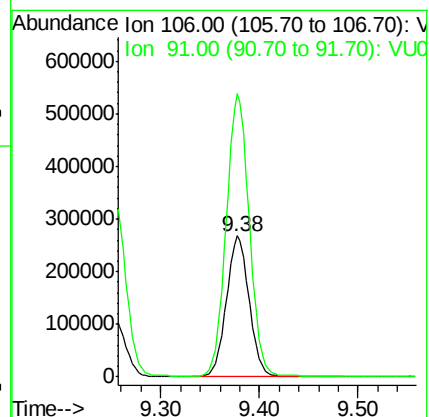
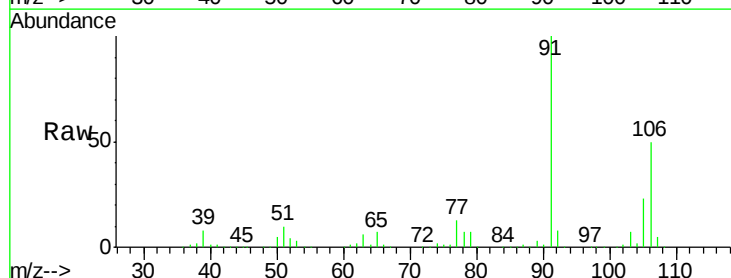
Acq: 10 Jul 2018 20:57

Tgt Ion: 106 Resp: 435338

Ion Ratio Lower Upper

106 100

91 203.6 162.3 243.5

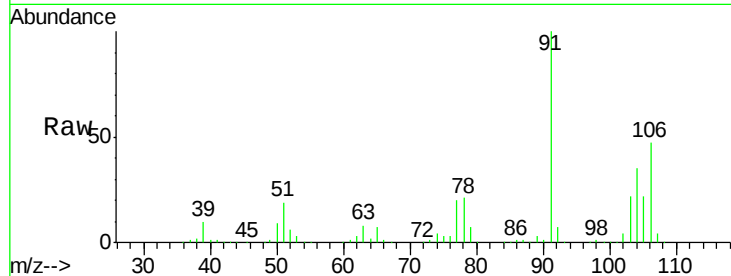




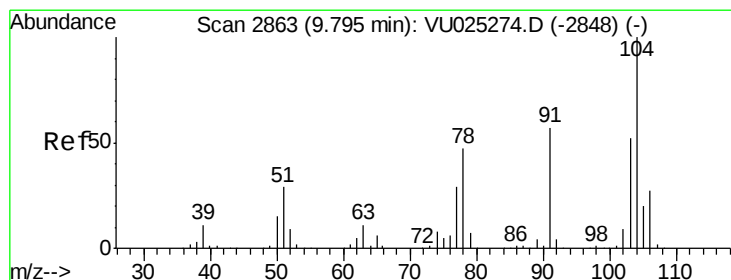
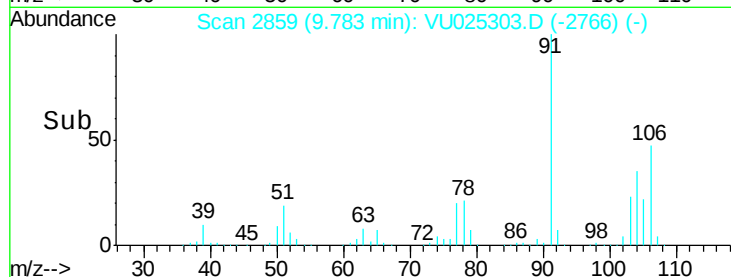
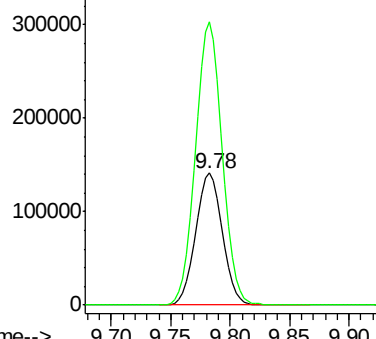
#69
o-Xylene
Concen: 49.59 ug/l
RT: 9.78 min Scan# 2859
Delta R.T. 0.00 min
Lab File: VU025303.D
Acq: 10 Jul 2018 20:57

Instrument :
MSVOA_U
ClientSampleId :
BR-1-070518MSD

Tot Ion:106 Resp: 219544
Ion Ratio Lower Upper
106 100
91 214.5 105.3 315.8

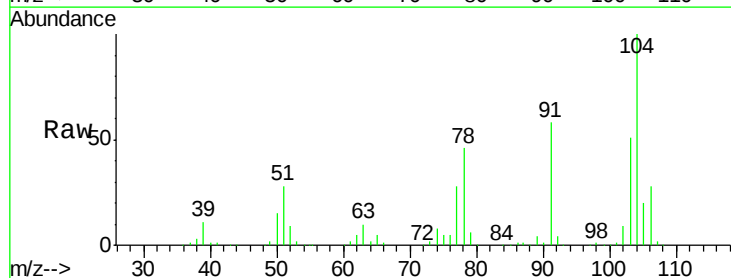


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VU0

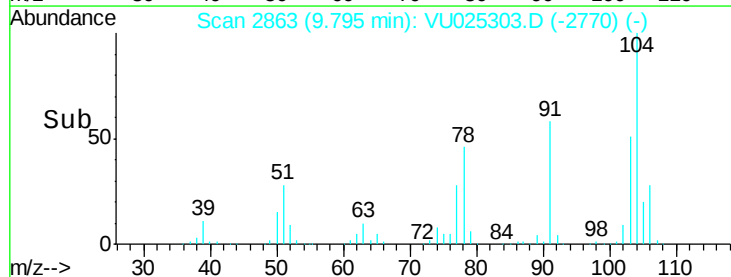
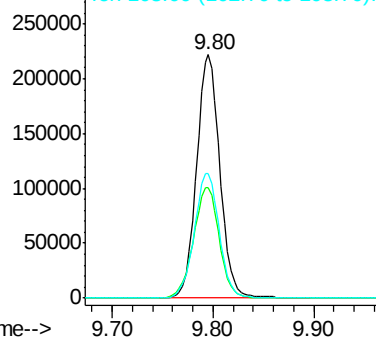


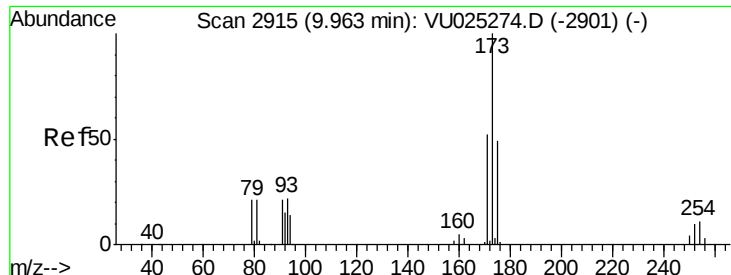
#70
Styrene
Concen: 50.92 ug/l
RT: 9.80 min Scan# 2863
Delta R.T. 0.00 min
Lab File: VU025303.D
Acq: 10 Jul 2018 20:57

Tgt Ion:104 Resp: 358150
Ion Ratio Lower Upper
104 100
78 50.2 41.6 62.4
103 54.7 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: 47.31 ug/l

RT: 9.96 min Scan# 2914

Delta R.T. -0.00 min

Lab File: VU025303.D

Acq: 10 Jul 2018 20:57

Instrument :
MSVOA_U
ClientSampleId :
BR-1-070518MSD

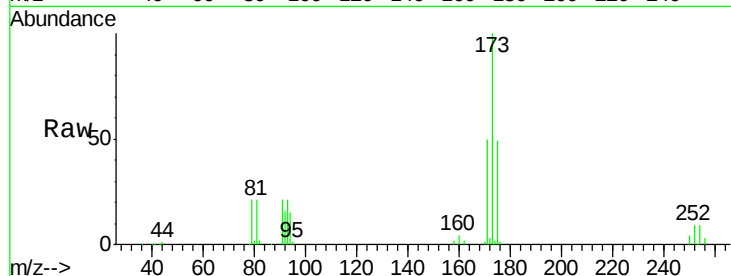
Tot Ion:173 Resp: 109155

Ion Ratio Lower Upper

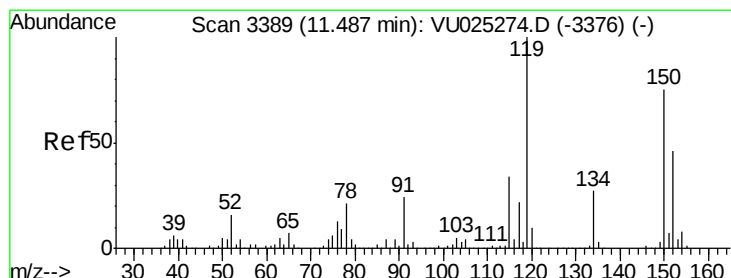
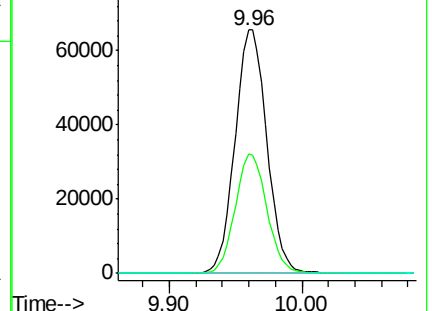
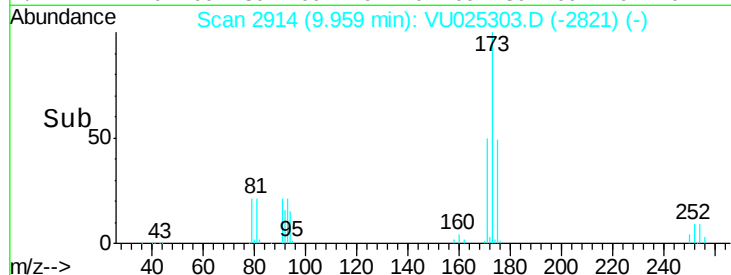
173 100

175 48.7 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: VU025303.D

Acq: 10 Jul 2018 20:57

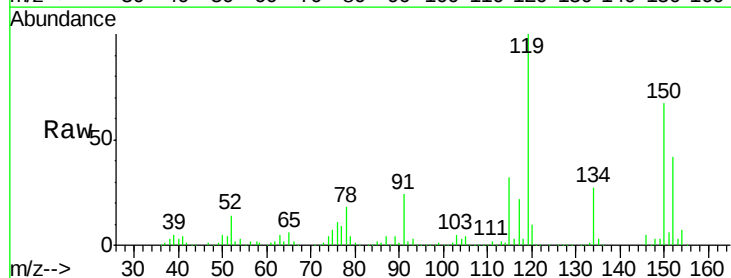
Tgt Ion:152 Resp: 160013

Ion Ratio Lower Upper

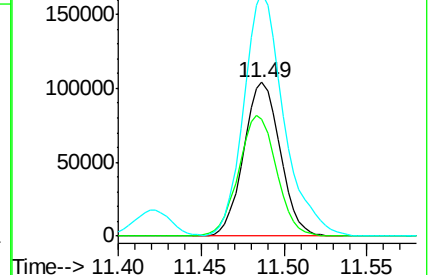
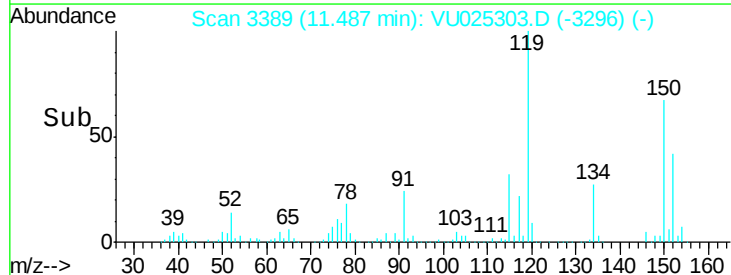
152 100

115 81.0 40.1 120.3

150 172.5 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: 47.41 ug/l

RT: 10.17 min Scan# 2979

Delta R.T. 0.00 min

Lab File: VU025303.D

Acq: 10 Jul 2018 20:57

Instrument :

MSVOA_U

ClientSampleId :

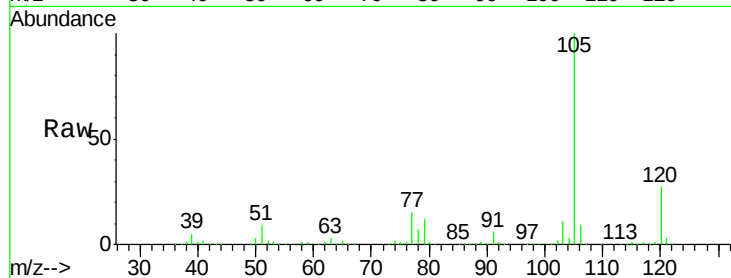
BR-1-070518MSD

Tot Ion:105 Resp: 579654

Ion Ratio Lower Upper

105 100

120 27.1 13.5 40.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

10.17

400000

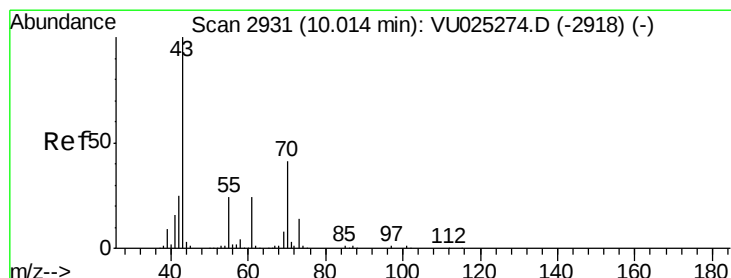
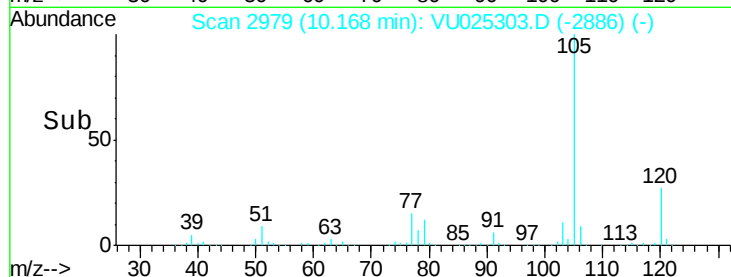
300000

200000

100000

0

Time-->



#74

N-ethyl acetate

Concen: 49.87 ug/l

RT: 10.01 min Scan# 2931

Delta R.T. 0.00 min

Lab File: VU025303.D

Acq: 10 Jul 2018 20:57

Tgt Ion: 43 Resp: 249526

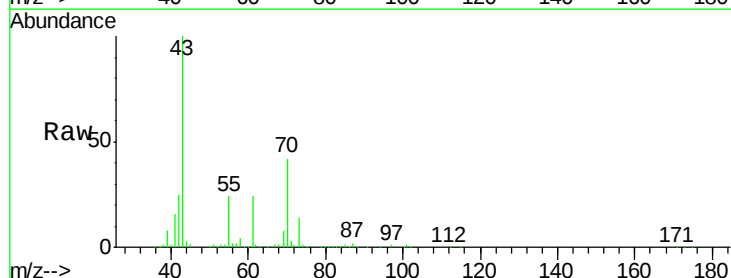
Ion Ratio Lower Upper

43 100

70 41.7 33.4 50.2

55 23.5 19.0 28.6

61 23.5 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

10.01

250000

200000

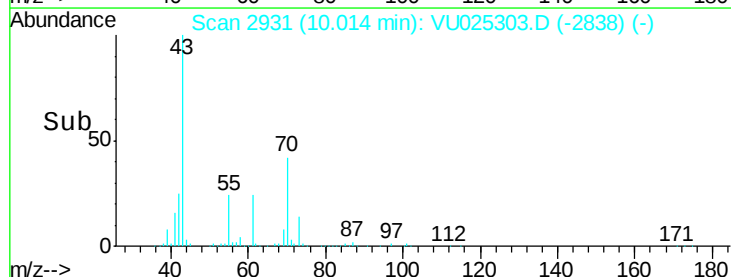
150000

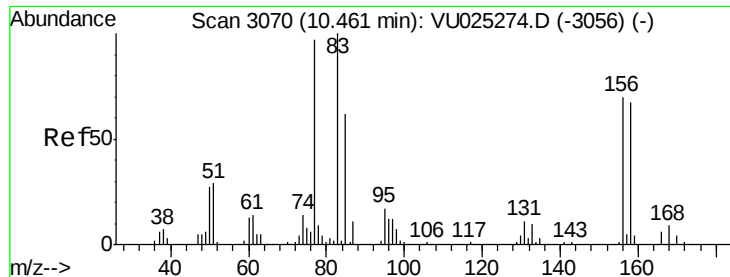
100000

50000

0

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 50.33 ug/l

RT: 10.46 min Scan# 3070

Delta R.T. 0.00 min

Lab File: VU025303.D

Acq: 10 Jul 2018 20:57

Instrument :

MSVOA_U

ClientSampleId :

BR-1-070518MSD

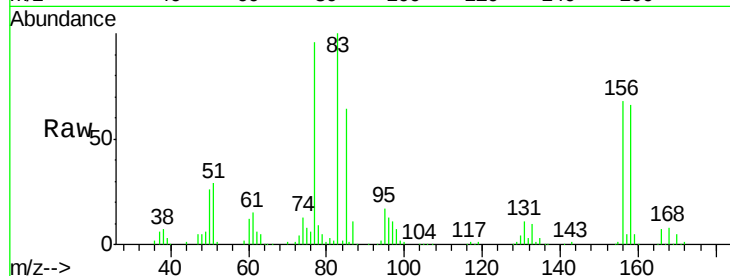
Tot Ion: 83 Resp: 201295

Ion Ratio Lower Upper

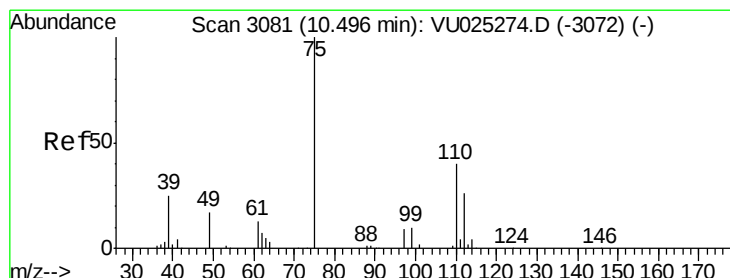
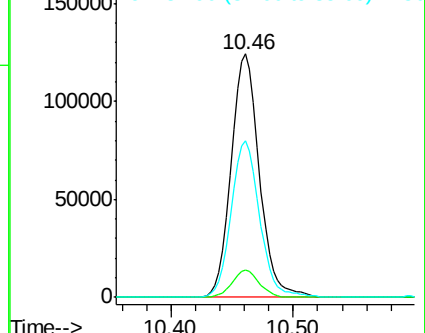
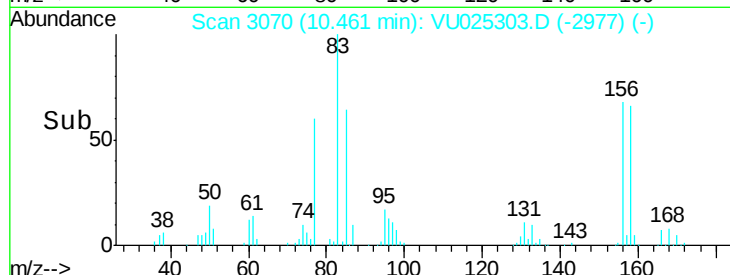
83 100

131 10.7 5.5 16.4

85 64.8 31.6 94.8



Abundance Ion 82.90 (82.60 to 83.60): VU025303.D (-2977) (-)



#76

1,2,3-Trichloropropane

Concen: 68.96 ug/l

RT: 10.50 min Scan# 3081

Delta R.T. 0.00 min

Lab File: VU025303.D

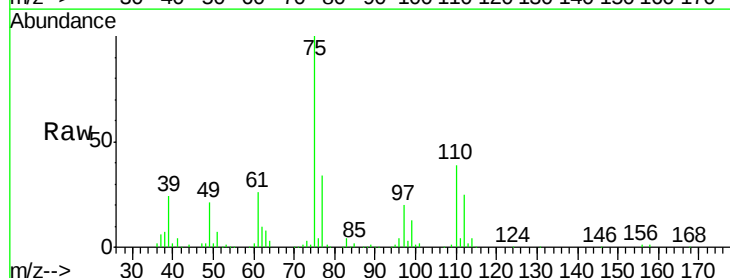
Acq: 10 Jul 2018 20:57

Tgt Ion: 75 Resp: 229039

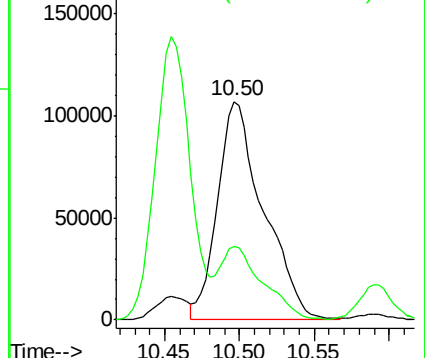
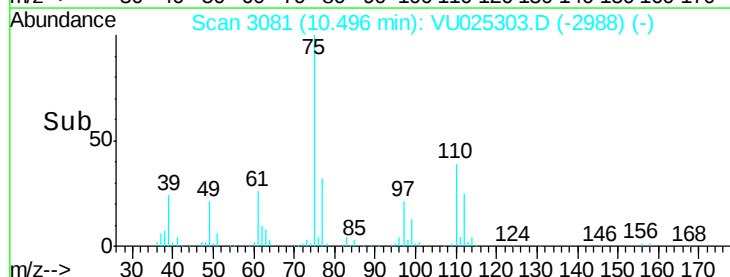
Ion Ratio Lower Upper

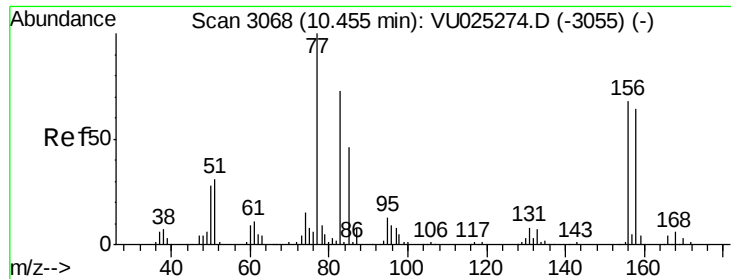
75 100

77 30.4 20.4 61.3



Abundance Ion 74.90 (74.60 to 75.60): VU025303.D (-2988) (-)





#77

Bromobenzene

Concen: 49.04 ug/l

RT: 10.45 min Scan# 3068

Delta R.T. 0.00 min

Lab File: VU025303.D

Acq: 10 Jul 2018 20:57

Instrument :

MSVOA_U

ClientSampleId :

BR-1-070518MSD

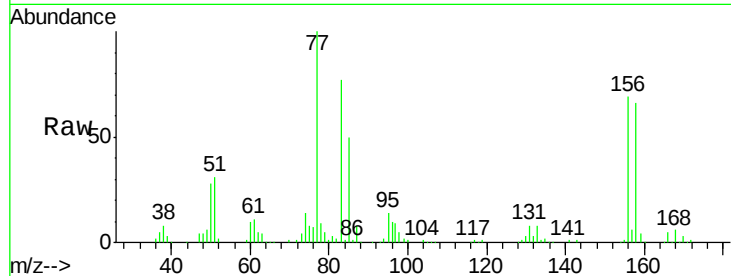
Tot Ion:156 Resp: 153377

Ion Ratio Lower Upper

156 100

77 146.2 73.8 221.4

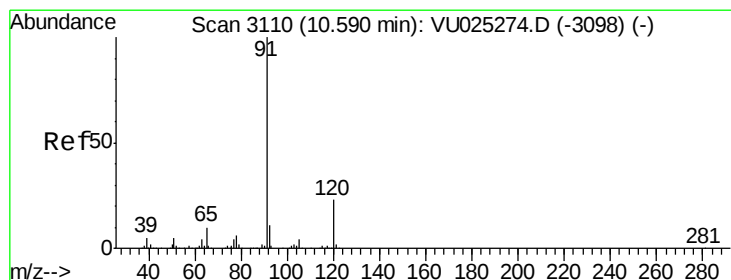
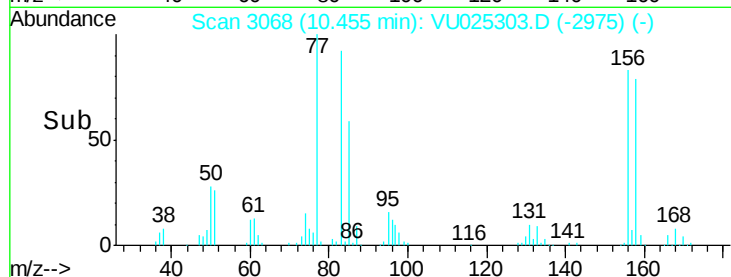
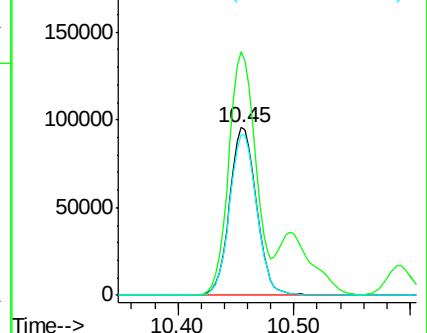
158 96.7 48.0 144.0



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: 47.54 ug/l

RT: 10.59 min Scan# 3110

Delta R.T. 0.00 min

Lab File: VU025303.D

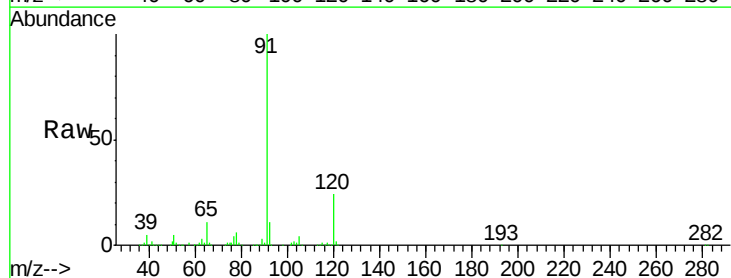
Acq: 10 Jul 2018 20:57

Tgt Ion: 91 Resp: 645019

Ion Ratio Lower Upper

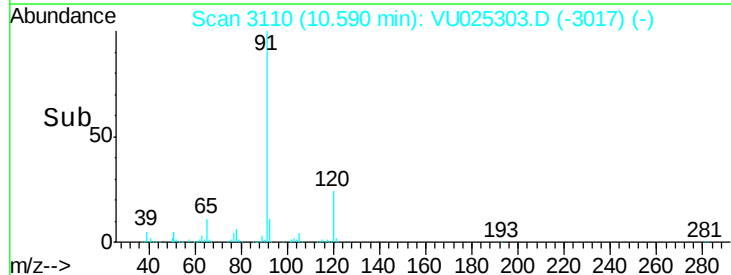
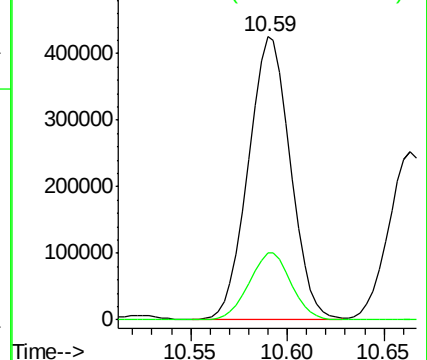
91 100

120 23.7 11.8 35.3



Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 120.00 (119.70 to 120.70): V

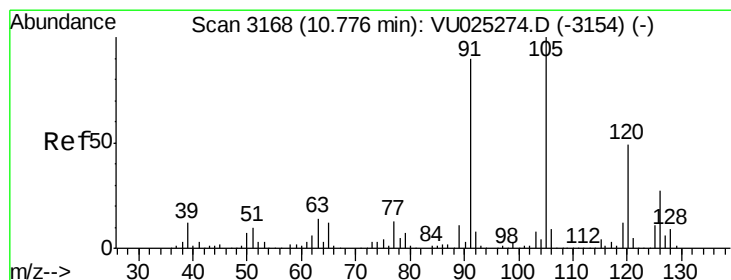
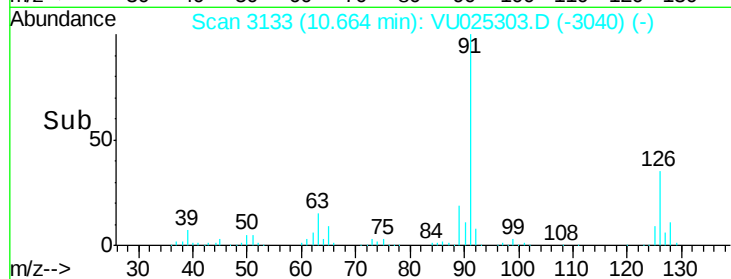
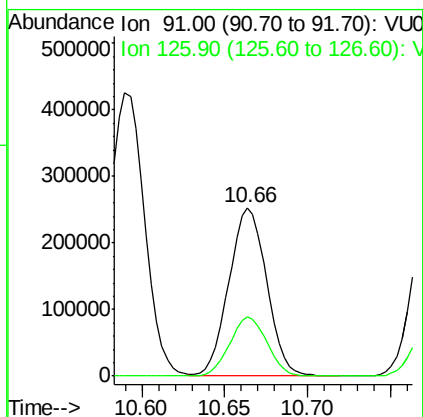
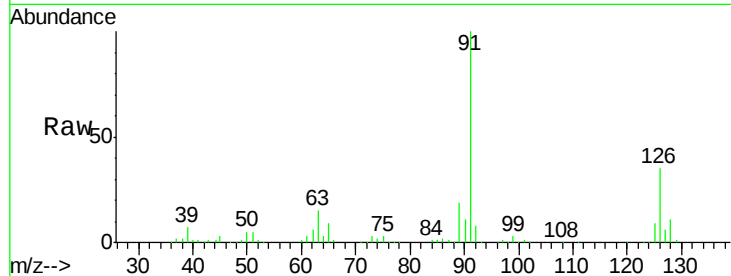




#79
2-Chlorotoluene
Concen: 51.35 ug/l
RT: 10.66 min Scan# 3133
Delta R.T. 0.00 min
Lab File: VU025303.D
Acq: 10 Jul 2018 20:57

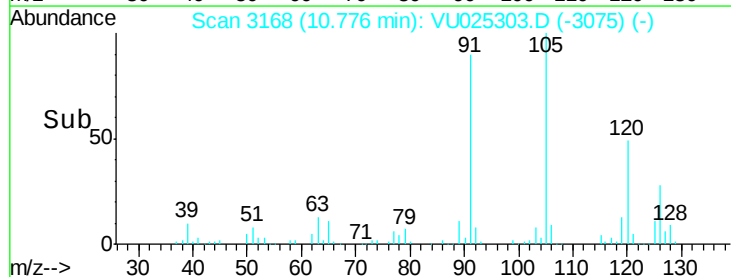
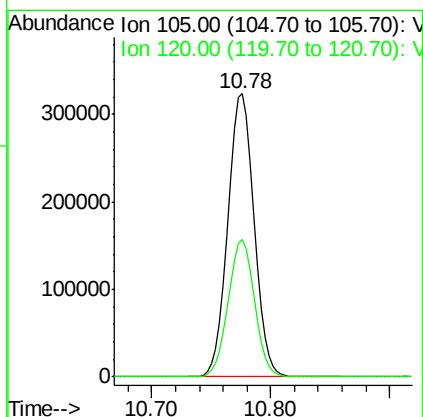
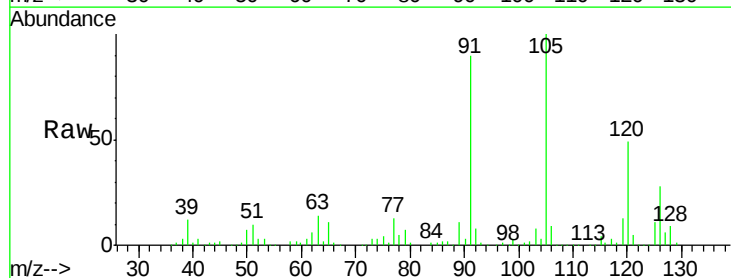
Instrument :
MSVOA_U
ClientSampleId :
BR-1-070518MSD

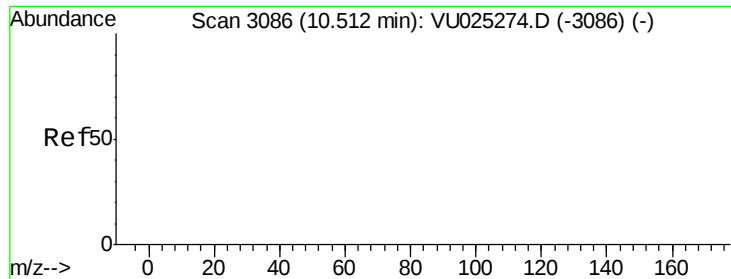
Tot Ion: 91 Resp: 400053
Ion Ratio Lower Upper
91 100
126 34.9 17.5 52.6



#80
1,3,5-Trimethylbenzene
Concen: 48.12 ug/l
RT: 10.78 min Scan# 3168
Delta R.T. 0.00 min
Lab File: VU025303.D
Acq: 10 Jul 2018 20:57

Tgt Ion: 105 Resp: 495052
Ion Ratio Lower Upper
105 100
120 48.6 24.1 72.2

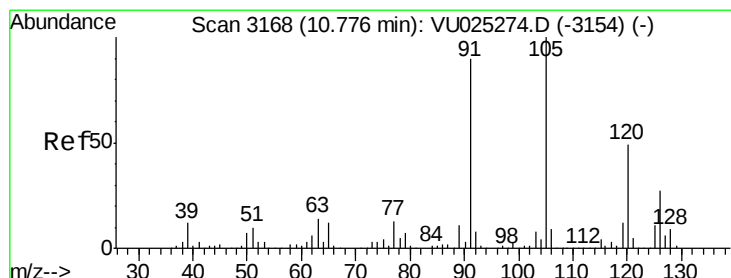
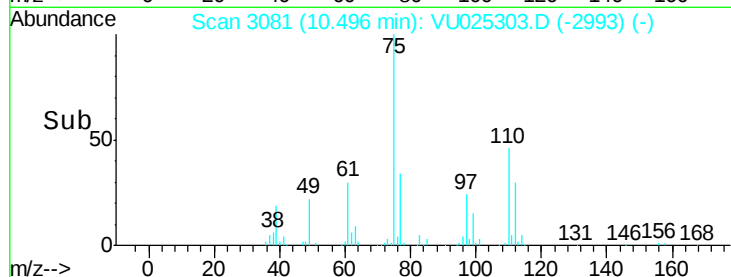
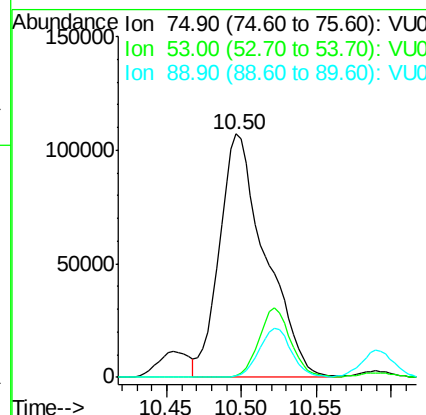
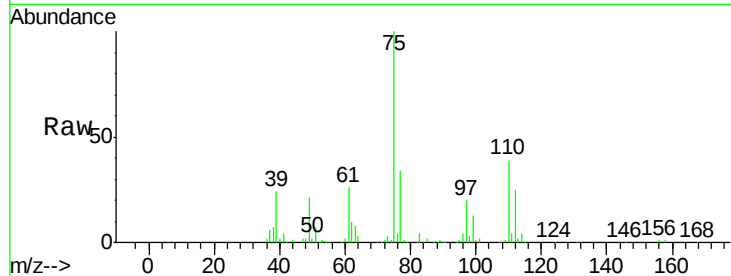




#81
trans-1,4-Dichloro-2-butene
Concen: 179.67 ug/l
RT: 10.50 min Scan# 3081
Delta R.T. -0.02 min
Lab File: VU025303.D
Acq: 10 Jul 2018 20:57

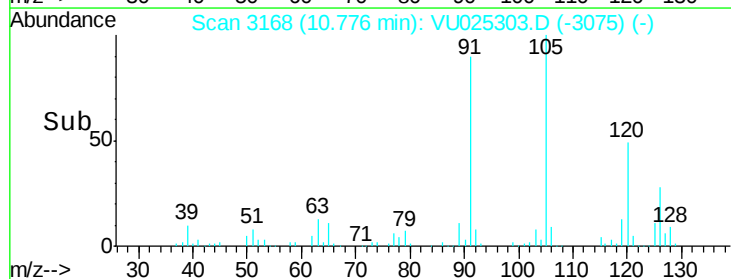
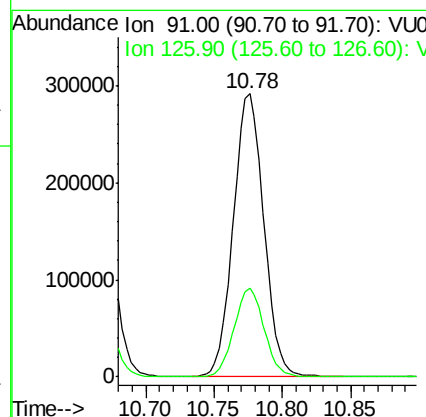
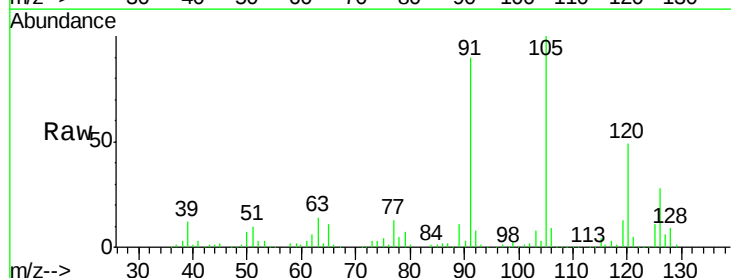
Instrument :
MSVOA_U
ClientSampleId :
BR-1-070518MSD

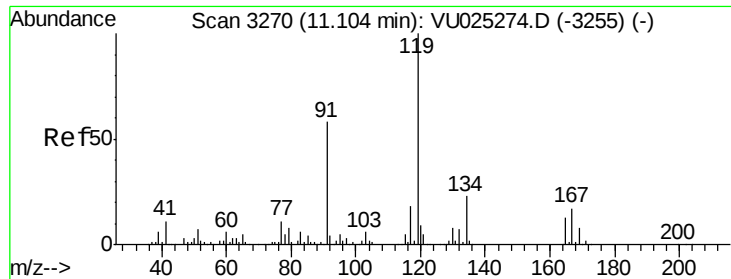
Tot Ion: 75 Resp: 229039
Ion Ratio Lower Upper
75 100
53 0.0 0.0 0.0
89 0.0 0.0 0.0



#82
4-Chlorotoluene
Concen: 47.03 ug/l
RT: 10.78 min Scan# 3168
Delta R.T. 0.00 min
Lab File: VU025303.D
Acq: 10 Jul 2018 20:57

Tgt Ion: 91 Resp: 451835
Ion Ratio Lower Upper
91 100
126 31.0 15.3 45.9

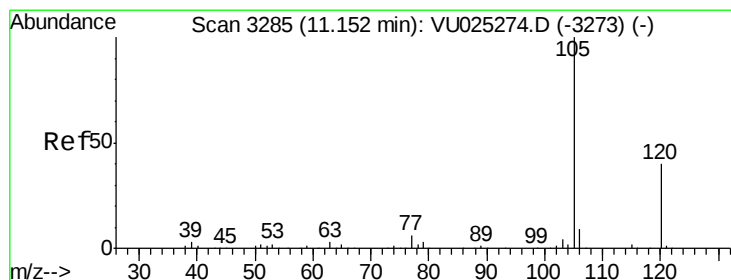
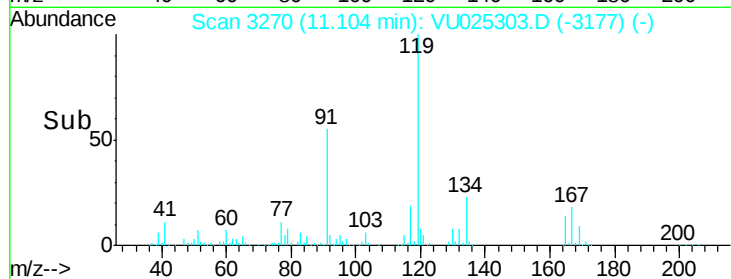
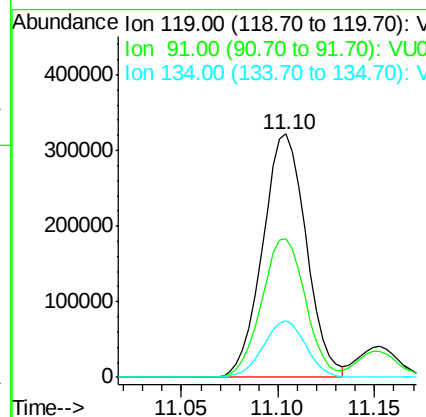
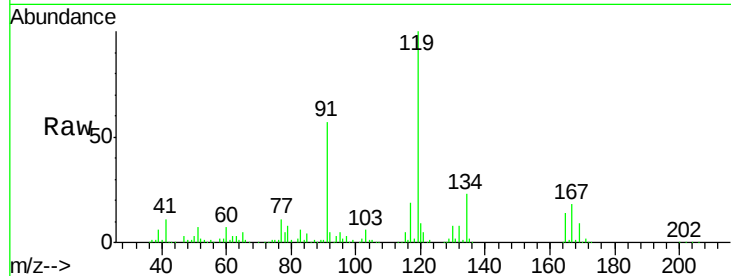




#83
 tert-Butylbenzene
 Concen: 48.73 ug/l
 RT: 11.10 min Scan# 3270
 Delta R.T. 0.00 min
 Lab File: VU025303.D
 Acq: 10 Jul 2018 20:57

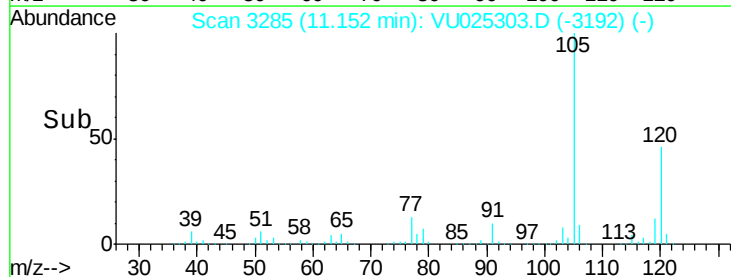
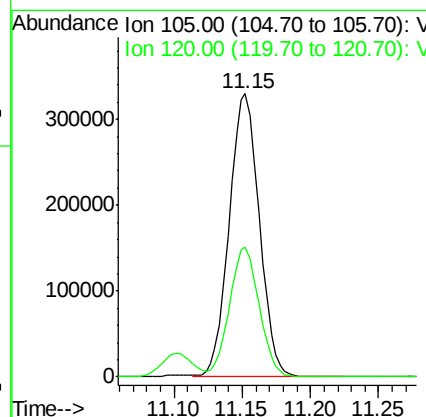
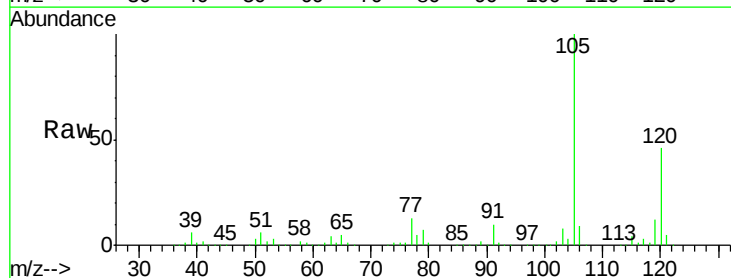
Instrument :
 MSVOA_U
 ClientSampleId :
 BR-1-070518MSD

Tot Ion	Ratio	Lower	Upper
119	100		
91	57.6	29.7	89.1
134	22.7	11.5	34.5



#84
 1,2,4-Trimethylbenzene
 Concen: 47.90 ug/l
 RT: 11.15 min Scan# 3285
 Delta R.T. 0.00 min
 Lab File: VU025303.D
 Acq: 10 Jul 2018 20:57

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.1	22.3	66.8

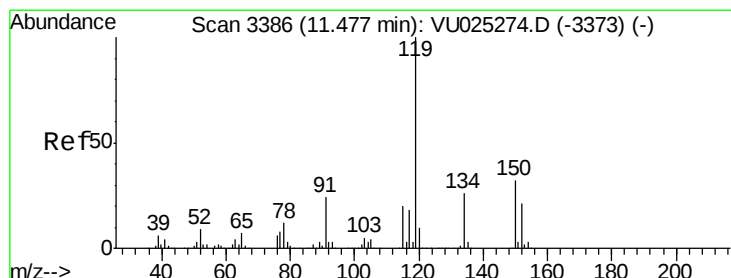
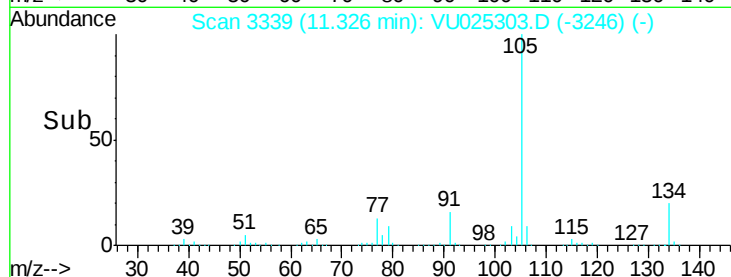
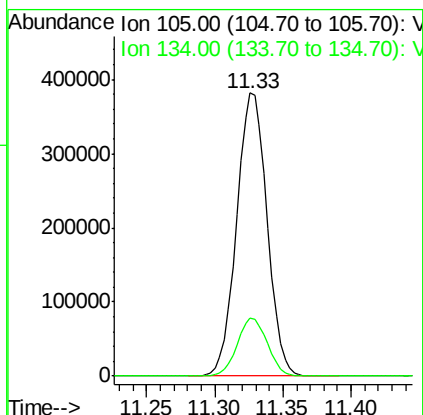
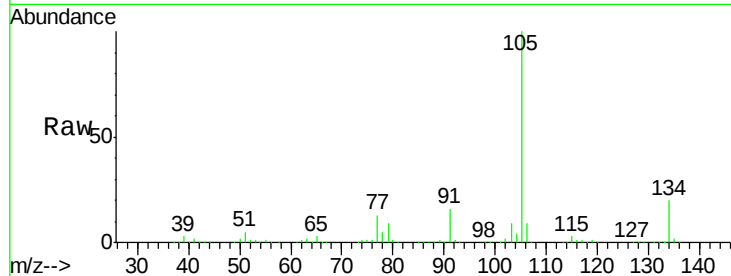




#85
 sec-Butylbenzene
 Concen: 48.22 ug/l
 RT: 11.33 min Scan# 3339
 Delta R.T. 0.00 min
 Lab File: VU025303.D
 Acq: 10 Jul 2018 20:57

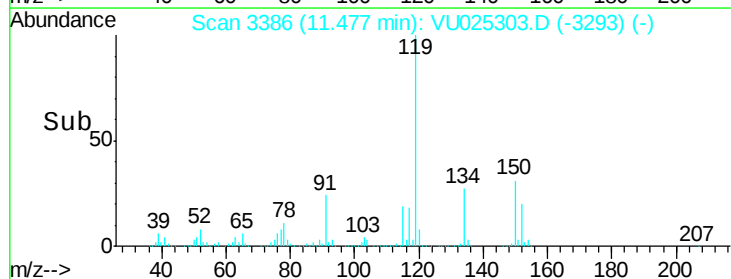
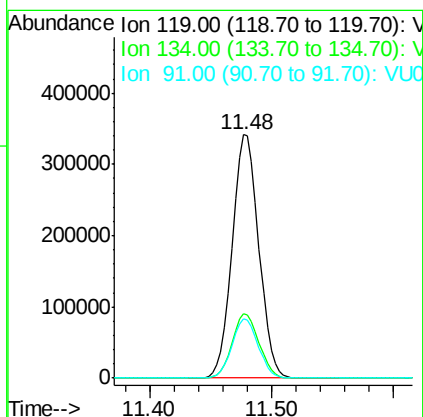
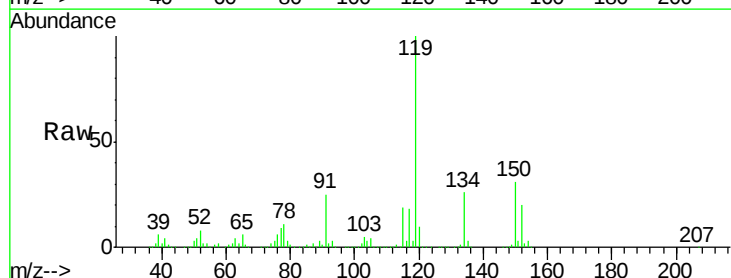
Instrument :
 MSVOA_U
 ClientSampleId :
 BR-1-070518MSD

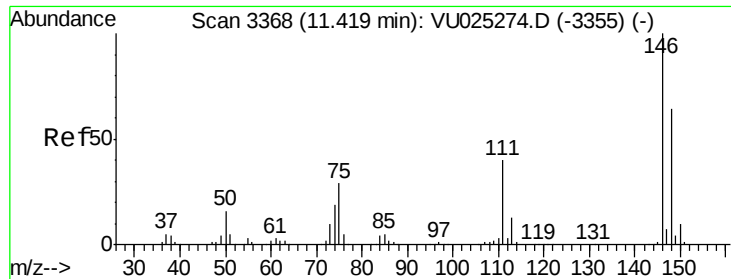
Tot Ion:105 Resp: 590289
 Ion Ratio Lower Upper
 105 100
 134 20.4 10.3 30.8



#86
 p-Isopropyltoluene
 Concen: 47.66 ug/l
 RT: 11.48 min Scan# 3386
 Delta R.T. 0.00 min
 Lab File: VU025303.D
 Acq: 10 Jul 2018 20:57

Tgt Ion:119 Resp: 516509
 Ion Ratio Lower Upper
 119 100
 134 26.6 13.2 39.5
 91 24.4 12.0 36.1

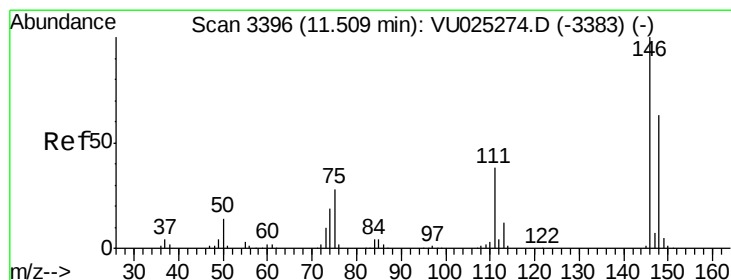
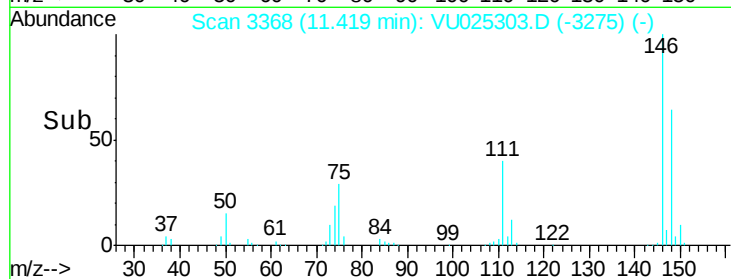
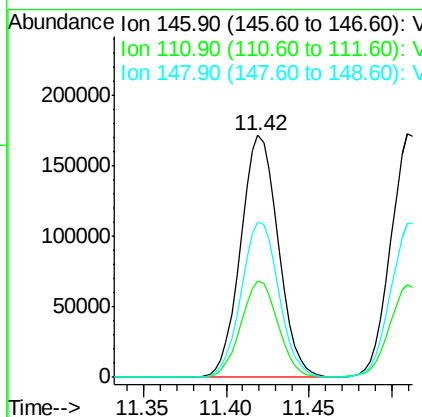
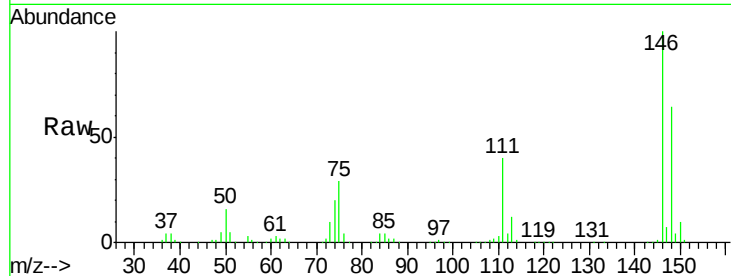




#87
 1,3-Dichlorobenzene
 Concen: 47.46 ug/l
 RT: 11.42 min Scan# 3368
 Delta R.T. 0.00 min
 Lab File: VU025303.D
 Acq: 10 Jul 2018 20:57

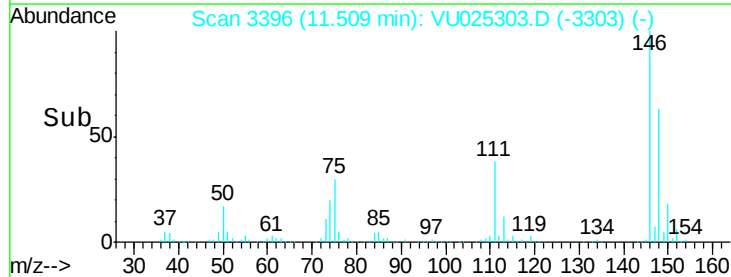
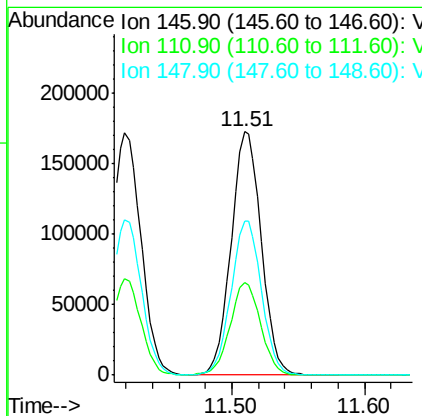
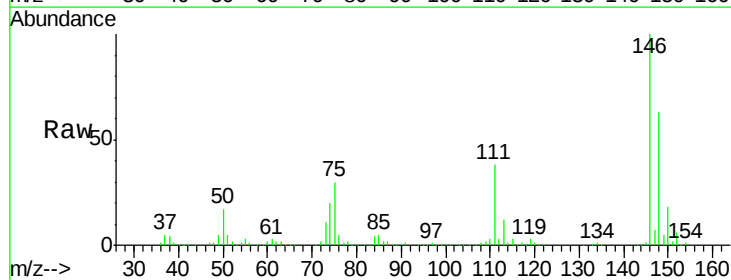
Instrument :
 MSVOA_U
 ClientSampleId :
 BR-1-070518MSD

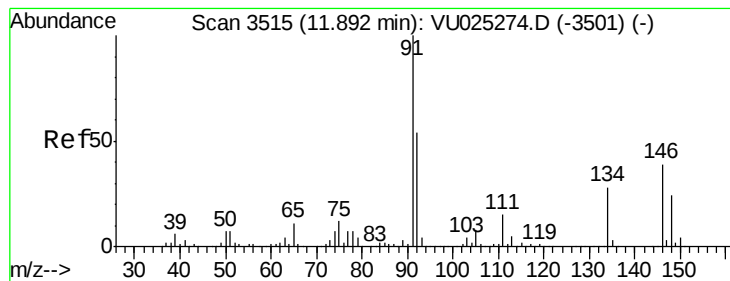
Tot Ion:146 Resp: 271281
 Ion Ratio Lower Upper
 146 100
 111 39.3 19.7 59.1
 148 64.1 32.1 96.3



#88
 1,4-Dichlorobenzene
 Concen: 48.71 ug/l
 RT: 11.51 min Scan# 3396
 Delta R.T. 0.00 min
 Lab File: VU025303.D
 Acq: 10 Jul 2018 20:57

Tgt Ion:146 Resp: 271751
 Ion Ratio Lower Upper
 146 100
 111 38.6 19.4 58.1
 148 63.8 31.7 95.1





#89

n-Butylbenzene

Concen: 45.36 ug/l

RT: 11.89 min Scan# 3515

Delta R.T. 0.00 min

Lab File: VU025303.D

Acq: 10 Jul 2018 20:57

Instrument :

MSVOA_U

ClientSampleId :

BR-1-070518MSD

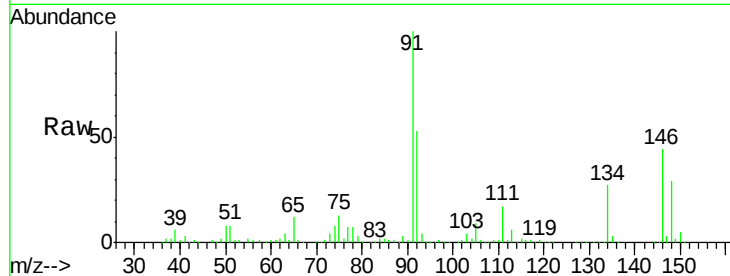
Tot Ion: 91 Resp: 404165

Ion Ratio Lower Upper

91 100

92 53.6 26.5 79.5

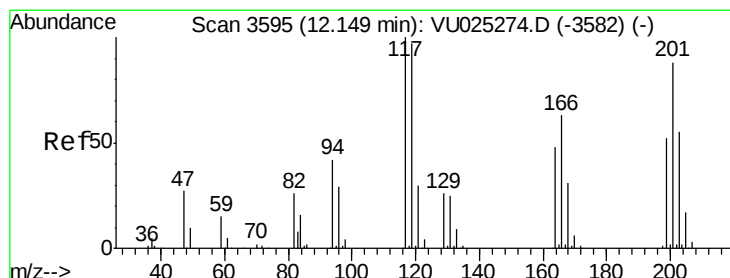
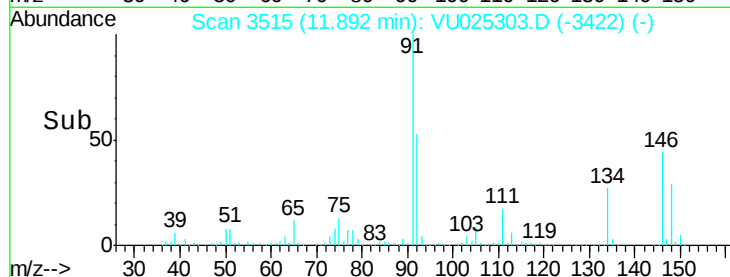
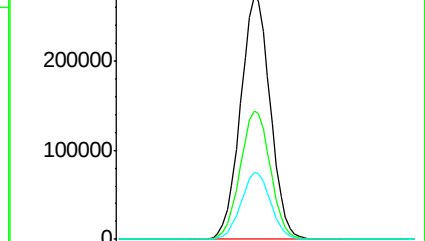
134 27.2 13.6 40.7



Abundance Ion 91.00 (90.70 to 91.70): VU025274.D (-3501) (-)

Ion 92.00 (91.70 to 92.70): VU025274.D (-3501) (-)

Ion 134.00 (133.70 to 134.70): VU025274.D (-3501) (-)



#90

Hexachloroethane

Concen: 47.00 ug/l

RT: 12.15 min Scan# 3595

Delta R.T. 0.00 min

Lab File: VU025303.D

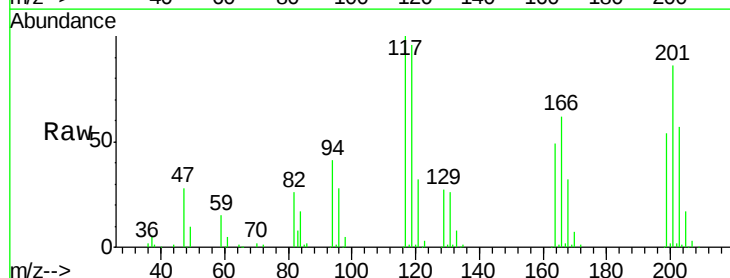
Acq: 10 Jul 2018 20:57

Tgt Ion: 117 Resp: 86251

Ion Ratio Lower Upper

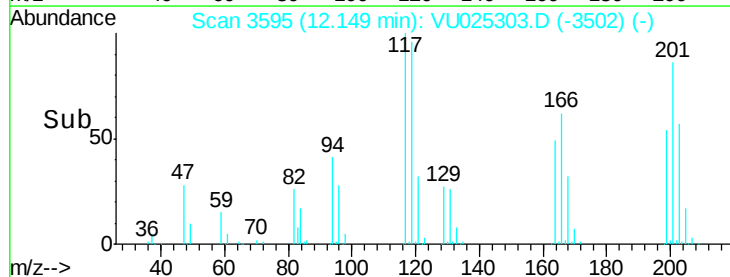
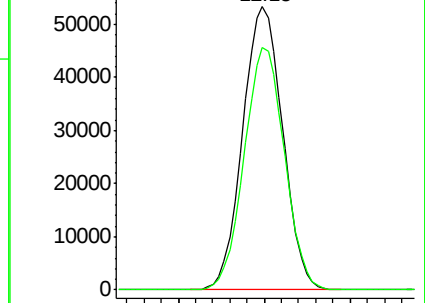
117 100

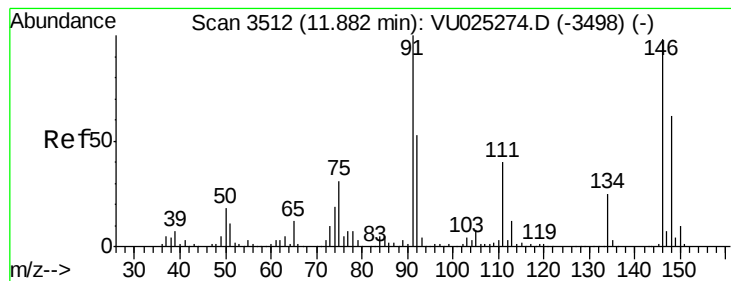
201 86.1 42.5 127.6



Abundance Ion 116.80 (116.50 to 117.50): VU025274.D (-3582) (-)

Ion 200.70 (200.40 to 201.40): VU025274.D (-3582) (-)





#91

1,2-Dichlorobenzene

Concen: 48.87 ug/l

RT: 11.88 min Scan# 3512

Delta R.T. 0.00 min

Lab File: VU025303.D

Acq: 10 Jul 2018 20:57

Instrument :

MSVOA_U

ClientSampleId :

BR-1-070518MSD

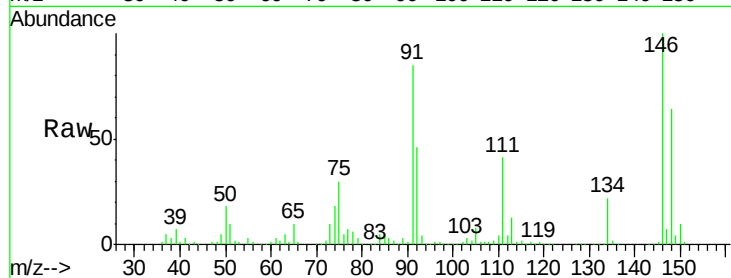
Tot Ion:146 Resp: 282096

Ion Ratio Lower Upper

146 100

111 40.9 20.6 61.8

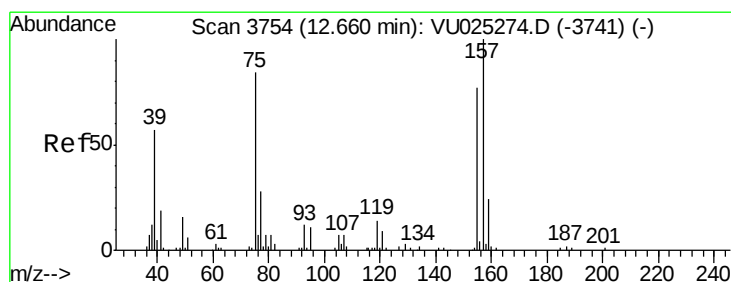
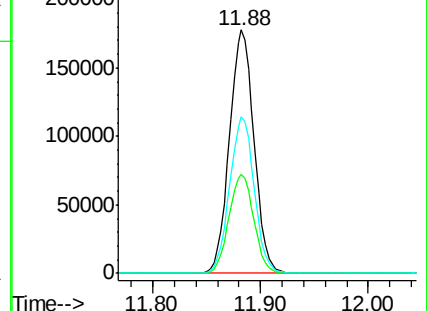
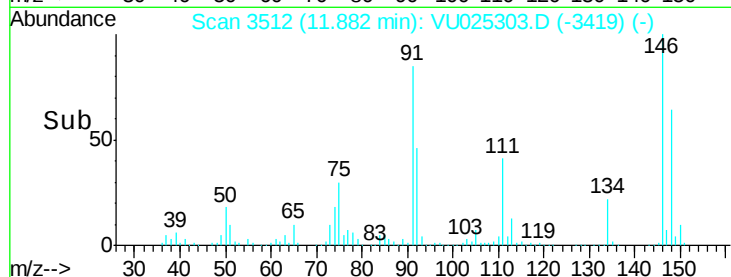
148 64.3 31.5 94.5



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: 53.31 ug/l

RT: 12.66 min Scan# 3754

Delta R.T. 0.00 min

Lab File: VU025303.D

Acq: 10 Jul 2018 20:57

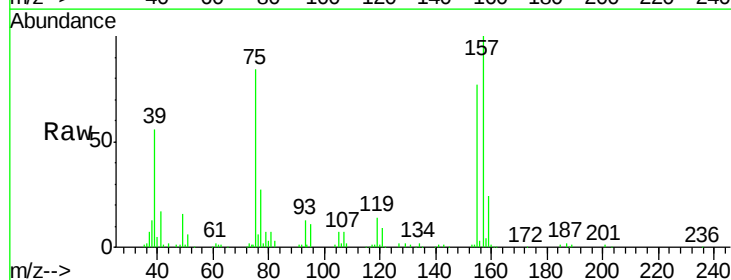
Tgt Ion: 75 Resp: 51713

Ion Ratio Lower Upper

75 100

155 91.6 44.5 133.3

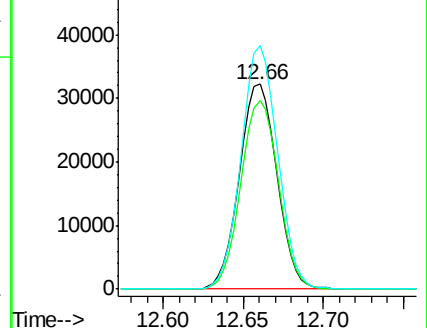
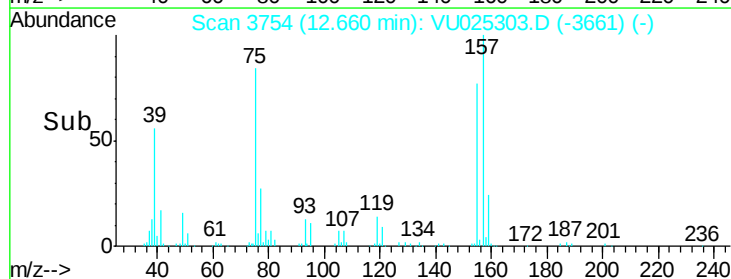
157 115.4 57.0 170.8

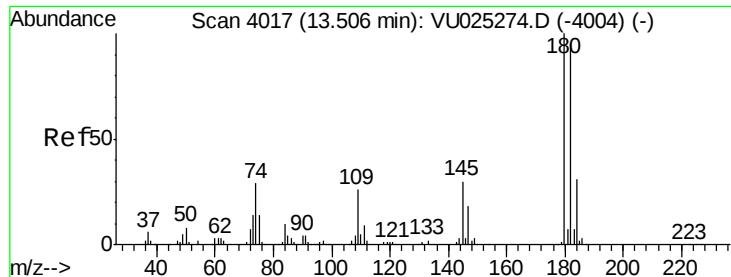


Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

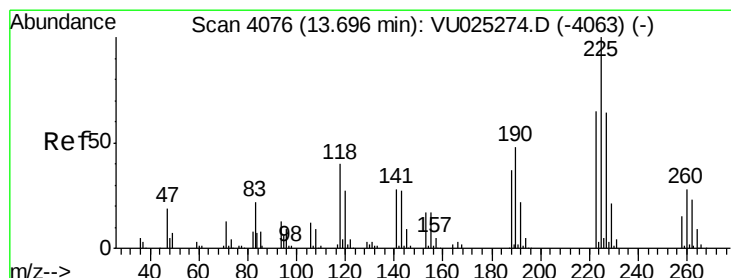
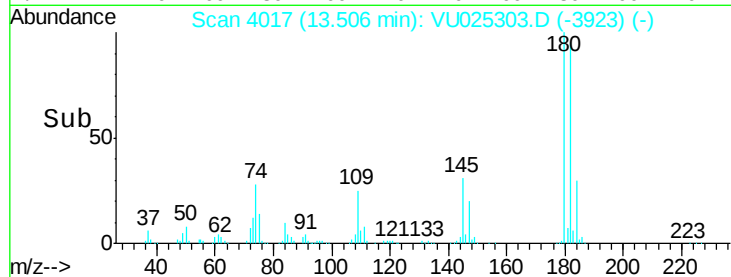
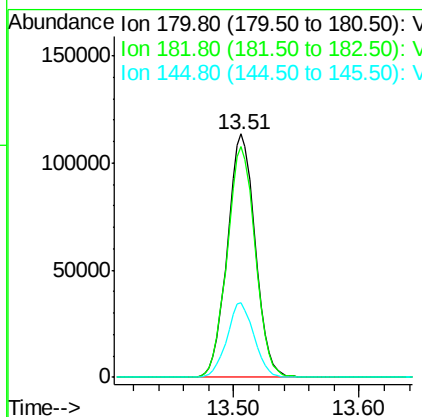
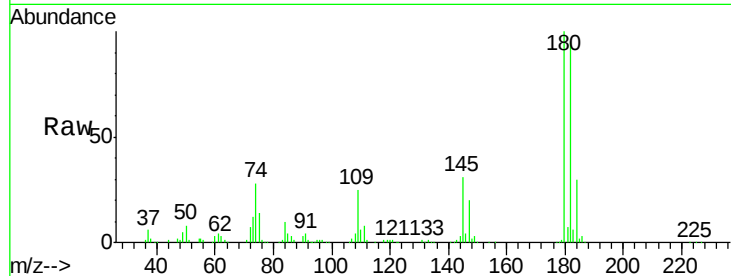




#93
 1,2,4-Trichlorobenzene
 Concen: 45.49 ug/l
 RT: 13.51 min Scan# 4017
 Delta R.T. 0.00 min
 Lab File: VU025303.D
 Acq: 10 Jul 2018 20:57

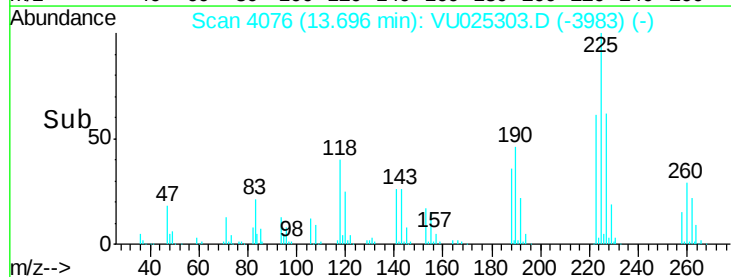
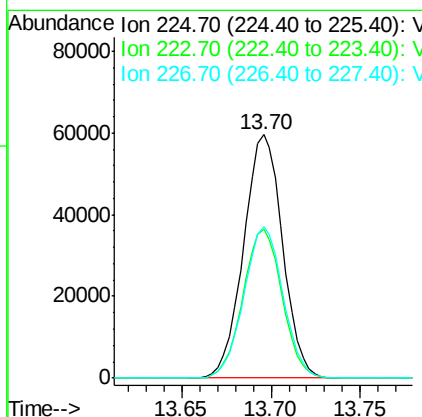
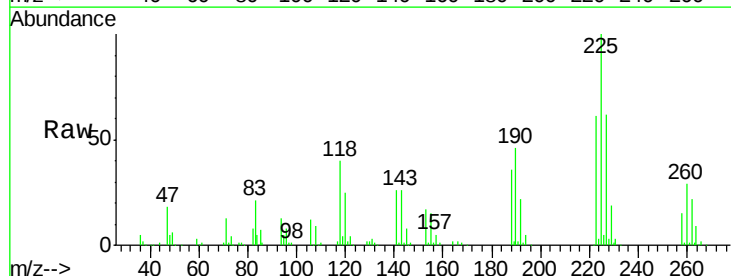
Instrument :
 MSVOA_U
 ClientSampleId :
 BR-1-070518MSD

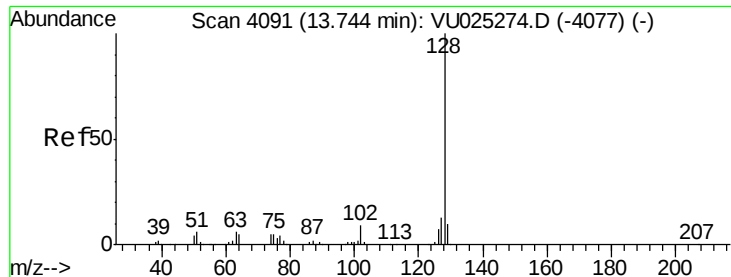
Tot Ion:180 Resp: 174632
 Ion Ratio Lower Upper
 180 100
 182 95.7 47.3 141.9
 145 29.8 14.9 44.7



#94
 Hexachlorobutadiene
 Concen: 43.95 ug/l
 RT: 13.70 min Scan# 4076
 Delta R.T. 0.00 min
 Lab File: VU025303.D
 Acq: 10 Jul 2018 20:57

Tgt Ion:225 Resp: 90747
 Ion Ratio Lower Upper
 225 100
 223 61.5 31.9 95.7
 227 62.4 32.3 96.9





#95

Naphthalene

Concen: 51.82 ug/l

RT: 13.74 min Scan# 4091

Delta R.T. 0.00 min

Lab File: VU025303.D

Acq: 10 Jul 2018 20:57

Instrument :

MSVOA_U

ClientSampleId :

BR-1-070518MSD

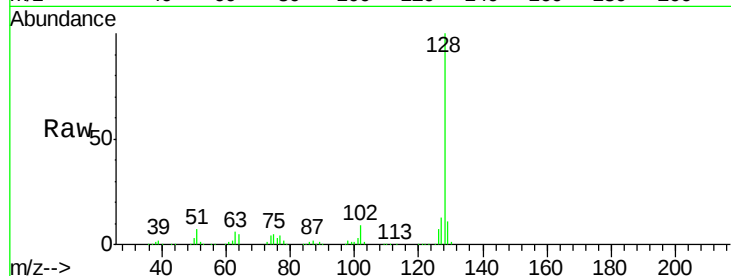
Tot Ion:128 Resp: 609936

Ion Ratio Lower Upper

128 100

127 12.8 10.5 15.7

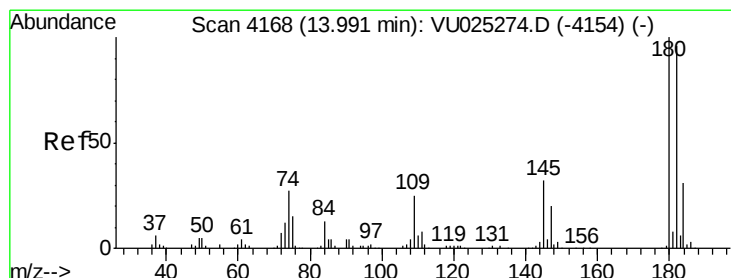
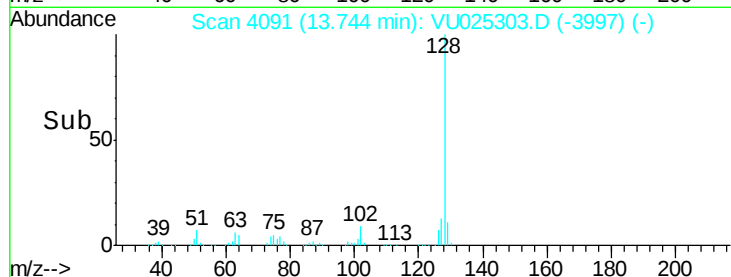
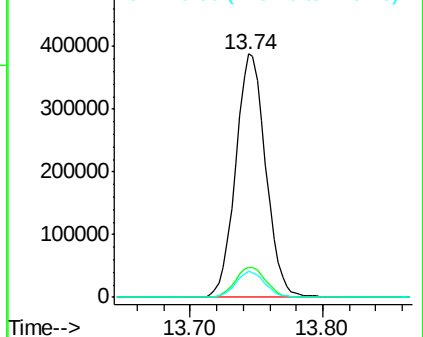
129 10.5 8.3 12.5



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: 48.07 ug/l

RT: 13.99 min Scan# 4168

Delta R.T. 0.00 min

Lab File: VU025303.D

Acq: 10 Jul 2018 20:57

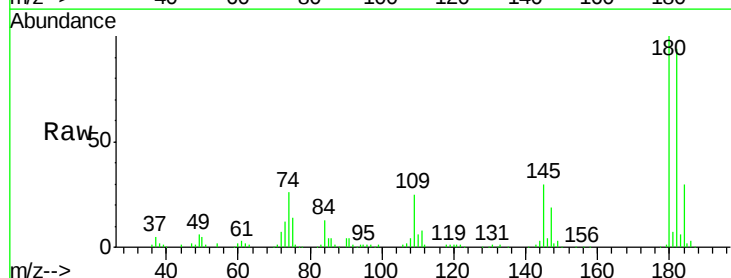
Tgt Ion:180 Resp: 188273

Ion Ratio Lower Upper

180 100

182 94.7 47.8 143.3

145 31.1 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

