

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU061818\
 Data File : VU024707.D
 Acq On : 18 Jun 2018 21:28
 Operator : MD/SY
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Quant Time: Jun 19 05:16:25 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U061318W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 13 13:55:26 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.99	168	157821	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	258039	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	248318	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.49	152	147262	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.31	65	124818	48.45	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.90%	
35) Dibromofluoromethane	4.89	113	104356	48.73	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.46%	
50) Toluene-d8	7.57	98	387687	49.63	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.26%	
62) 4-Bromofluorobenzene	10.31	95	149116	48.08	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.16%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.20	85	80354	40.677	ug/l	100
3) Chloromethane	1.33	50	97331	48.227	ug/l	97
4) Vinyl Chloride	1.40	62	101482	48.758	ug/l	98
5) Bromomethane	1.62	94	52747	52.425	ug/l	97
6) Chloroethane	1.69	64	66761	57.562	ug/l	98
7) Trichlorofluoromethane	1.89	101	154880	48.761	ug/l	100
8) Diethyl Ether	2.10	74	59850	55.579	ug/l	91
9) 1,1,2-Trichlorotrifluoroet	2.29	101	86893	44.096	ug/l	97
10) Methyl Iodide	2.41	142	76607	46.366	ug/l	99
11) Tert butyl alcohol	2.82	59	146291	233.461	ug/l	100
12) 1,1-Dichloroethene	2.28	96	85840	47.768	ug/l	89
13) Acrolein	2.19	56	43098	130.976	ug/l	97
14) Allyl chloride	2.59	41	132444	39.694	ug/l	96
15) Acrylonitrile	2.93	53	328988	269.848	ug/l	99
16) Acetone	2.32	43	280454	202.592	ug/l	97
17) Carbon Disulfide	2.48	76	241493	41.969	ug/l	99
18) Methyl Acetate	2.61	43	178334	60.091	ug/l	98
19) Methyl tert-butyl Ether	3.00	73	331964	49.144	ug/l	98
20) Methylene Chloride	2.70	84	102994	47.417	ug/l	96
21) trans-1,2-Dichloroethene	2.98	96	91469	46.214	ug/l	97
22) Diisopropyl ether	3.57	45	333343	50.397	ug/l	99
23) Vinyl Acetate	3.53	43	1387818	234.229	ug/l	98
24) 1,1-Dichloroethane	3.45	63	185685	48.800	ug/l	98
25) 2-Butanone	4.26	43	467279	251.297	ug/l	97
26) 2,2-Dichloropropane	4.23	77	61130	16.919	ug/l	91
27) cis-1,2-Dichloroethene	4.23	96	111657	49.070	ug/l	91
28) Bromochloromethane	4.55	49	83344	49.729	ug/l	86
29) Tetrahydrofuran	4.63	42	301534	261.860	ug/l	97
30) Chloroform	4.68	83	190444	49.449	ug/l	100
31) Cyclohexane	5.00	56	166307	49.186	ug/l	99
32) 1,1,1-Trichloroethane	4.92	97	171460	48.144	ug/l	96
36) 1,1-Dichloropropene	5.14	75	133509	44.031	ug/l	98
37) Ethyl Acetate	4.38	43	176212	53.319	ug/l	98
38) Carbon Tetrachloride	5.14	117	155092	46.513	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.42	83	159064	42.037	ug/l	95
40) Benzene	5.39	78	414061	47.924	ug/l	98
41) Methacrylonitrile	4.54	41	94764	53.183	ug/l	97
42) 1,2-Dichloroethane	5.41	62	155368	47.215	ug/l	99
43) Isopropyl Acetate	5.55	43	281381	49.257	ug/l	98
44) Trichloroethene	6.19	130	113214	46.042	ug/l	93
45) 1,2-Dichloropropane	6.44	63	114664	49.738	ug/l	99
46) Dibromomethane	6.56	93	79618	49.168	ug/l	95
47) Bromodichloromethane	6.76	83	155607	48.258	ug/l	99
48) Methyl methacrylate	6.63	41	139215	50.047	ug/l	98
49) 1,4-Dioxane	6.61	88	60588	1113.768	ug/l	93
51) 4-Methyl-2-Pentanone	7.46	43	934206	260.303	ug/l	99
52) Toluene	7.64	92	265588	47.779	ug/l	100
53) t-1,3-Dichloropropene	7.88	75	155160	42.848	ug/l	100
54) cis-1,3-Dichloropropene	7.27	75	154793	40.117	ug/l	99
55) 1,1,2-Trichloroethane	8.07	97	112799	49.921	ug/l	99
56) Ethyl methacrylate	8.02	69	196114	51.856	ug/l	97
57) 1,3-Dichloropropane	8.25	76	190395	49.951	ug/l	98
58) 2-Chloroethyl Vinyl ether	7.13	63	427228	294.873	ug/l	96
59) 2-Hexanone	8.36	43	750667	256.199	ug/l	99
60) Dibromochloromethane	8.48	129	134616	47.776	ug/l	99
61) 1,2-Dibromoethane	8.59	107	126906	50.461	ug/l	99
64) Tetrachloroethene	8.23	164	117002	49.569	ug/l	98
65) Chlorobenzene	9.12	112	305349	48.135	ug/l	99
66) 1,1,1,2-Tetrachloroethane	9.21	131	116646	48.399	ug/l	99
67) Ethyl Benzene	9.25	91	518075	46.586	ug/l	97
68) m/p-Xylenes	9.38	106	405799	95.026	ug/l	97
69) o-Xylene	9.78	106	204241	48.327	ug/l	95
70) Styrene	9.80	104	336524	48.454	ug/l	99
71) Bromoform	9.96	173	106595	46.533	ug/l #	100
73) Isopropylbenzene	10.17	105	544827	48.189	ug/l	99
74) N-amyl acetate	10.01	43	268975	50.016	ug/l	98
75) 1,1,2,2-Tetrachloroethane	10.46	83	194487	51.333	ug/l	99
76) 1,2,3-Trichloropropane	10.50	75	212463	65.531	ug/l	81
77) Bromobenzene	10.45	156	138641	48.437	ug/l	95
78) n-propylbenzene	10.59	91	613773	46.084	ug/l	98
79) 2-Chlorotoluene	10.66	91	369148	47.000	ug/l	96
80) 1,3,5-Trimethylbenzene	10.78	105	464206	47.370	ug/l	99
81) trans-1,4-Dichloro-2-buten	10.50	75	212463	151.666	ug/l #	100
82) 4-Chlorotoluene	10.78	91	425589	46.556	ug/l	99
83) tert-Butylbenzene	11.10	119	453163	48.073	ug/l	99
84) 1,2,4-Trimethylbenzene	11.15	105	478436	47.908	ug/l	99
85) sec-Butylbenzene	11.33	105	554562	46.999	ug/l	97
86) p-Isopropyltoluene	11.48	119	489031	46.276	ug/l	99
87) 1,3-Dichlorobenzene	11.42	146	251341	47.529	ug/l	100
88) 1,4-Dichlorobenzene	11.51	146	256763	48.241	ug/l	99
89) n-Butylbenzene	11.89	91	406314	43.307	ug/l	97
90) Hexachloroethane	12.15	117	89916	43.617	ug/l	96
91) 1,2-Dichlorobenzene	11.88	146	263821	49.808	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.66	75	53622	51.292	ug/l	91

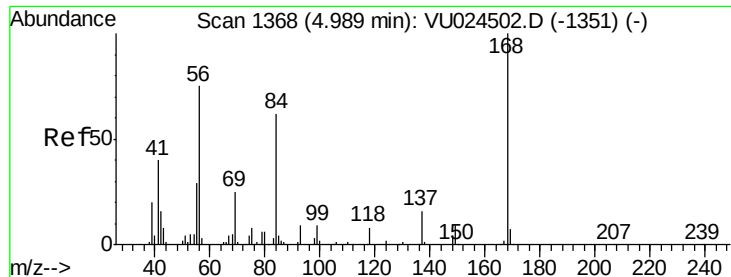
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.51	180	175678	53.710	ug/l	99
94) Hexachlorobutadiene	13.70	225	79734	43.310	ug/l	98
95) Naphthalene	13.74	128	621147	57.264	ug/l	100
96) 1,2,3-Trichlorobenzene	13.99	180	186390	57.189	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.99 min Scan# 1367

Delta R.T. -0.00 min

Lab File: VU024707.D

Acq: 18 Jun 2018 21:28

Instrument :

MSVOA_U

ClientSampleId :

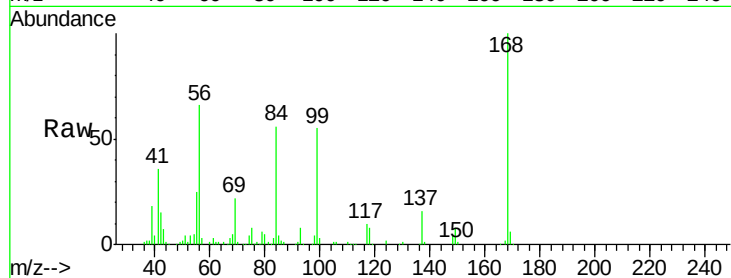
VSTDCCC050EC

Tgt Ion:168 Resp: 157821

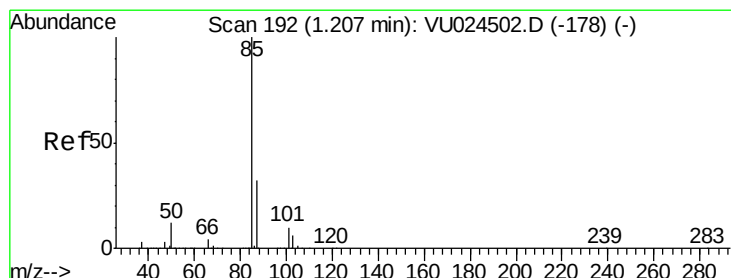
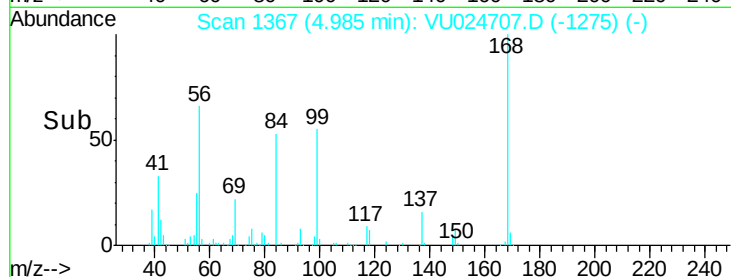
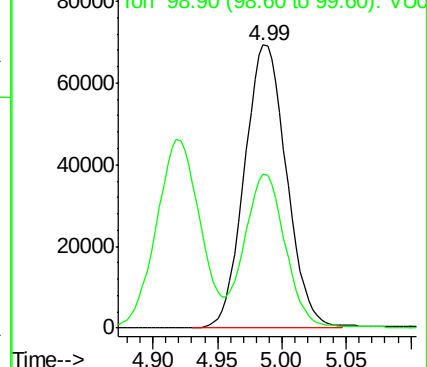
Ion Ratio Lower Upper

168 100

99 53.9 43.2 64.8



Abundance Ion 167.90 (167.60 to 168.60): VU024502.D (-1351) (-)



#2

Dichlorodifluoromethane

Concen: 40.677 ug/l

RT: 1.20 min Scan# 191

Delta R.T. -0.00 min

Lab File: VU024707.D

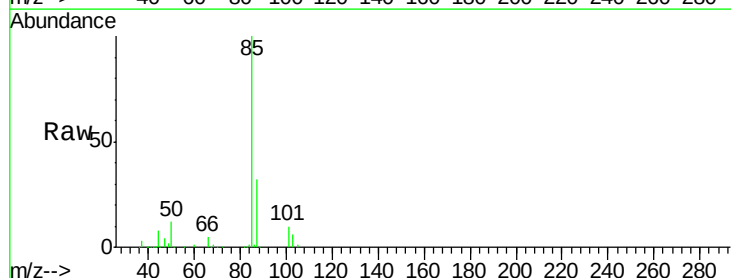
Acq: 18 Jun 2018 21:28

Tgt Ion: 85 Resp: 80354

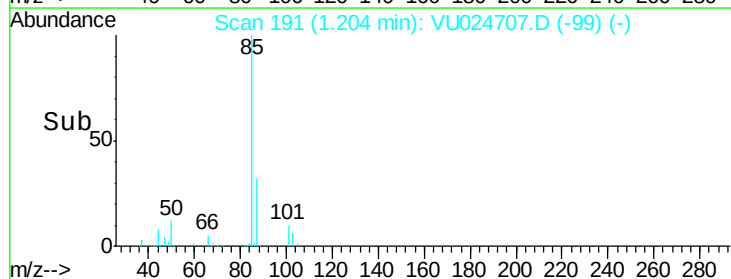
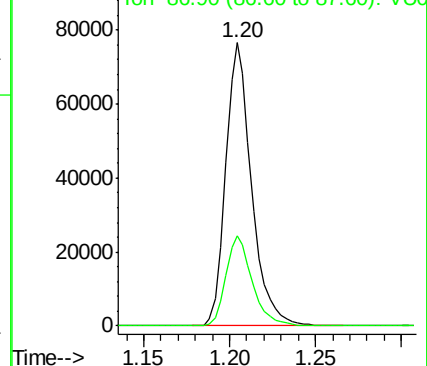
Ion Ratio Lower Upper

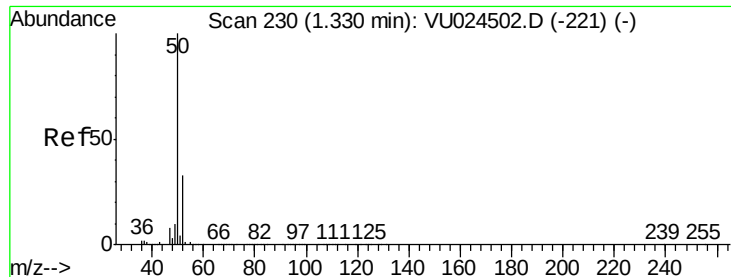
85 100

87 31.9 16.1 48.2



Abundance Ion 84.90 (84.60 to 85.60): VU024502.D (-178) (-)





#3

Chloromethane

Concen: 48.227 ug/l

RT: 1.33 min Scan# 229

Delta R.T. -0.00 min

Lab File: VU024707.D

Acq: 18 Jun 2018 21:28

Instrument :

MSVOA_U

ClientSampleId :

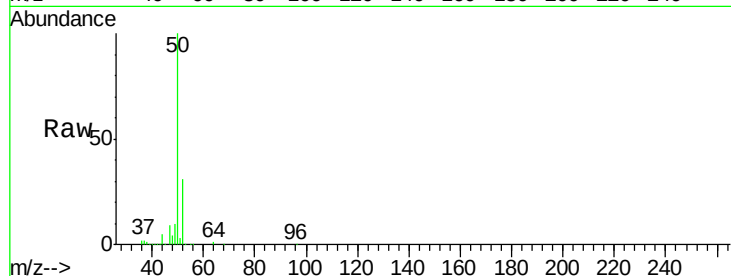
VSTDCCC050EC

Tgt Ion: 50 Resp: 97331

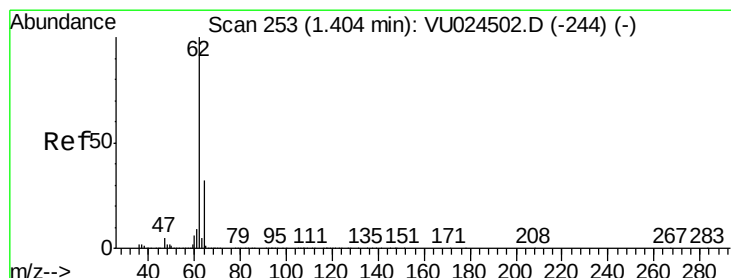
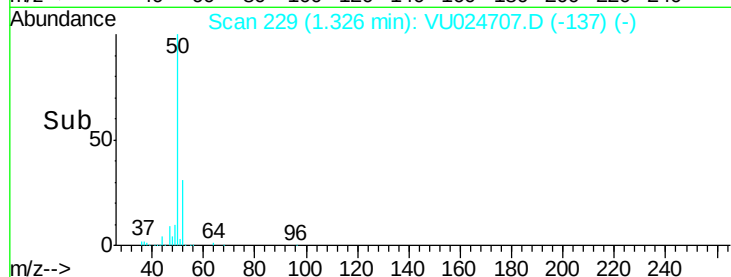
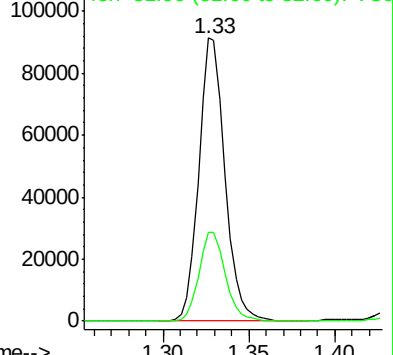
Ion Ratio Lower Upper

50 100

52 31.4 26.4 39.6



Abundance Ion 49.90 (49.60 to 50.60): VU024707.D (-137) (-)



#4

Vinyl Chloride

Concen: 48.758 ug/l

RT: 1.40 min Scan# 253

Delta R.T. 0.00 min

Lab File: VU024707.D

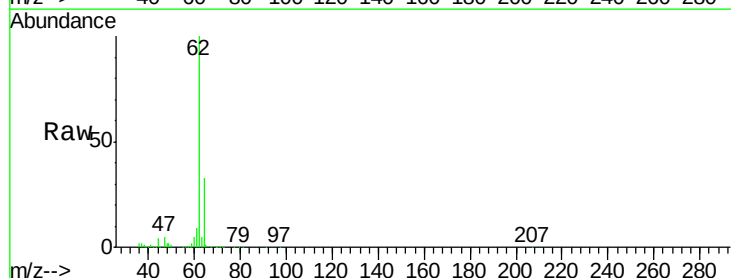
Acq: 18 Jun 2018 21:28

Tgt Ion: 62 Resp: 101482

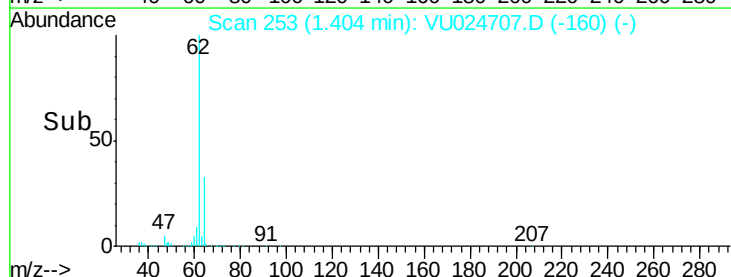
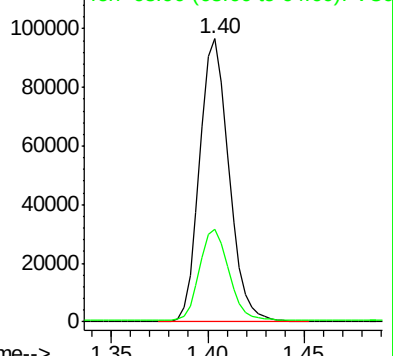
Ion Ratio Lower Upper

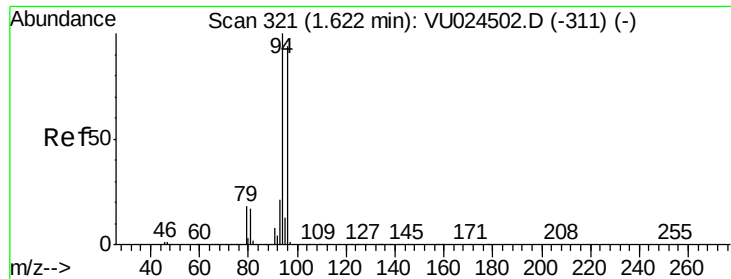
62 100

64 32.1 24.8 37.2



Abundance Ion 61.90 (61.60 to 62.60): VU024707.D (-160) (-)





#5

Bromomethane

Concen: 52.425 ug/l

RT: 1.62 min Scan# 319

Delta R.T. -0.01 min

Lab File: VU024707.D

Acq: 18 Jun 2018 21:28

Instrument :

MSVOA_U

ClientSampleId :

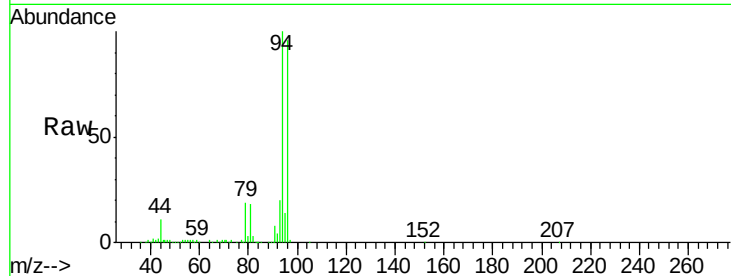
VSTDCCC050EC

Tgt Ion: 94 Resp: 52747

Ion Ratio Lower Upper

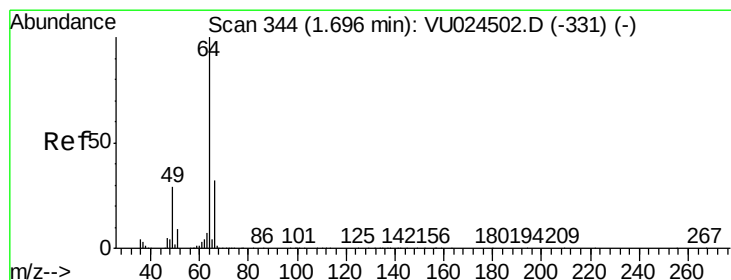
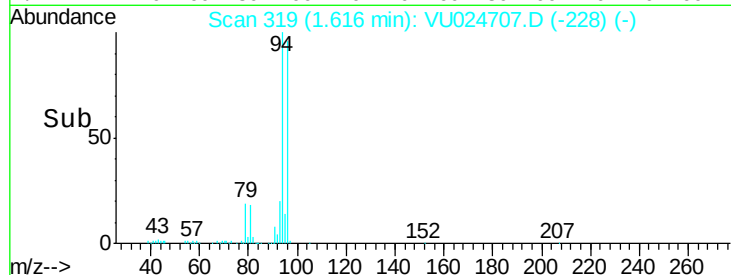
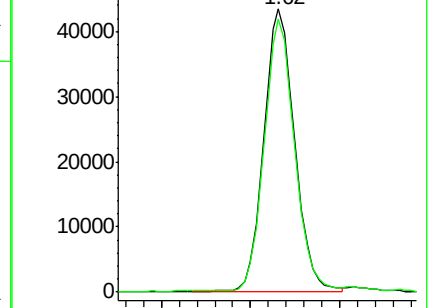
94 100

96 95.8 74.5 111.7



Abundance Ion 93.90 (93.60 to 94.60): VU0

Ion 95.90 (95.60 to 96.60): VU0



#6

Chloroethane

Concen: 57.562 ug/l

RT: 1.69 min Scan# 343

Delta R.T. -0.00 min

Lab File: VU024707.D

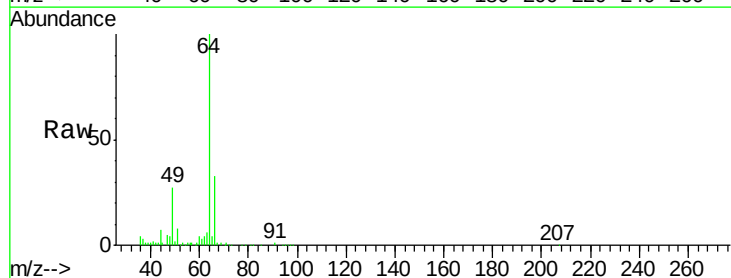
Acq: 18 Jun 2018 21:28

Tgt Ion: 64 Resp: 66761

Ion Ratio Lower Upper

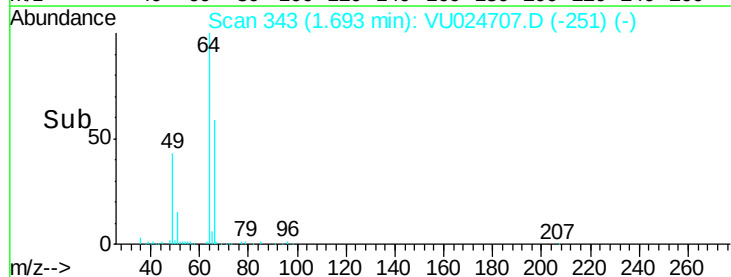
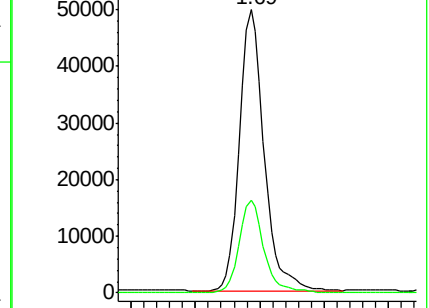
64 100

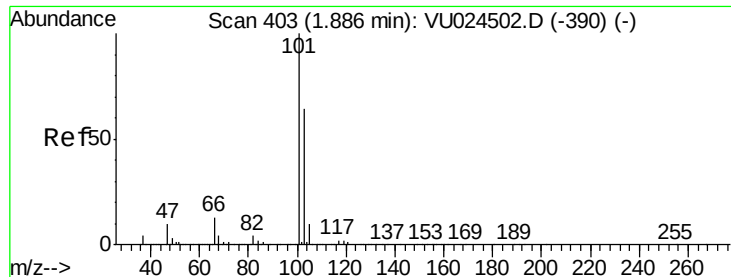
66 33.1 25.5 38.3



Abundance Ion 63.90 (63.60 to 64.60): VU0

Ion 65.90 (65.60 to 66.60): VU0



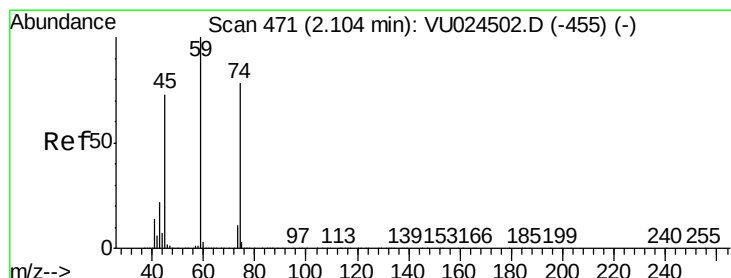
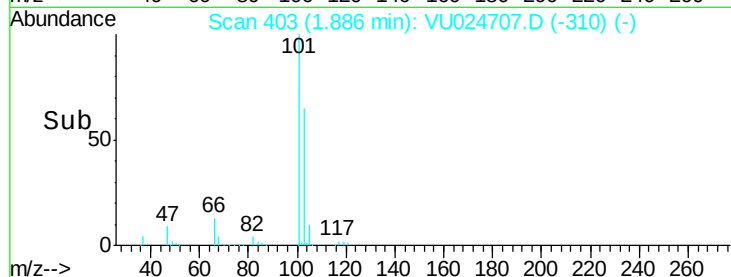
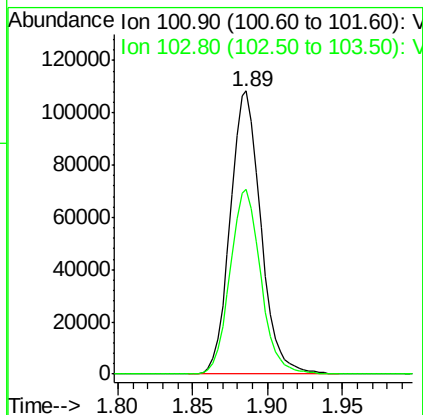
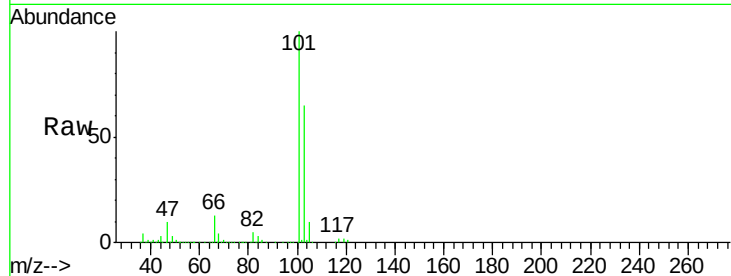


#7

Trichlorofluoromethane
Concen: 48.761 ug/l
RT: 1.89 min Scan# 403
Delta R.T. 0.00 min
Lab File: VU024707.D
Acq: 18 Jun 2018 21:28

Instrument :
MSVOA_U
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VSTDCCC050EC

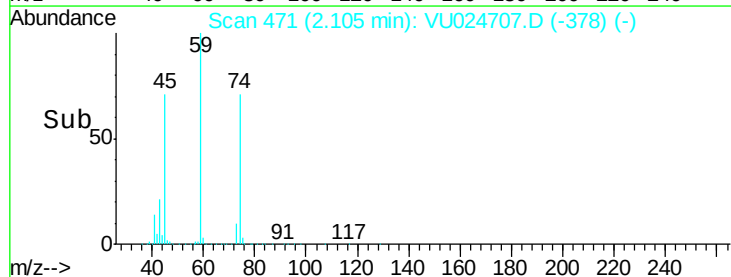
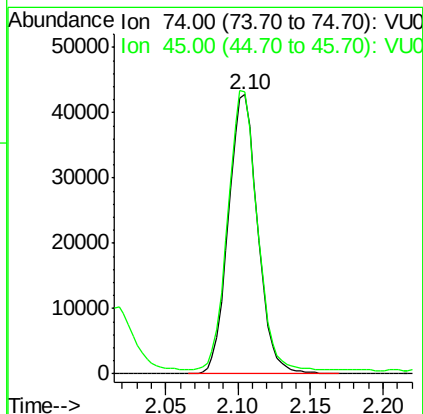
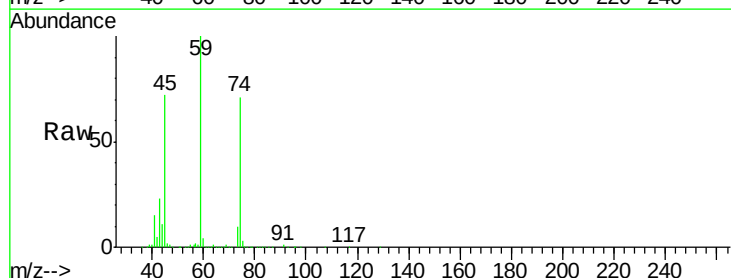
Tgt Ion:101 Resp: 154880
Ion Ratio Lower Upper
101 100
103 65.1 52.3 78.5

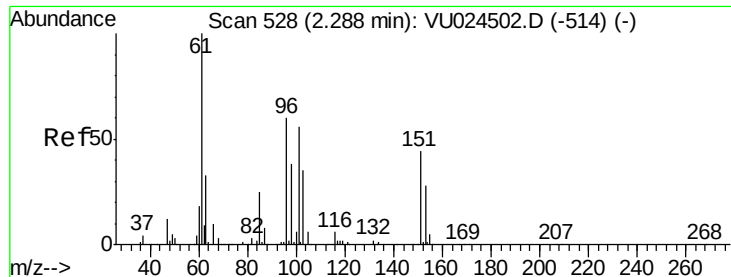


#8

Diethyl Ether
Concen: 55.579 ug/l
RT: 2.10 min Scan# 471
Delta R.T. 0.00 min
Lab File: VU024707.D
Acq: 18 Jun 2018 21:28

Tgt Ion: 74 Resp: 59850
Ion Ratio Lower Upper
74 100
45 100.3 55.0 165.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 44.096 ug/l

RT: 2.29 min Scan# 528

Delta R.T. 0.00 min

Lab File: VU024707.D

Acq: 18 Jun 2018 21:28

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

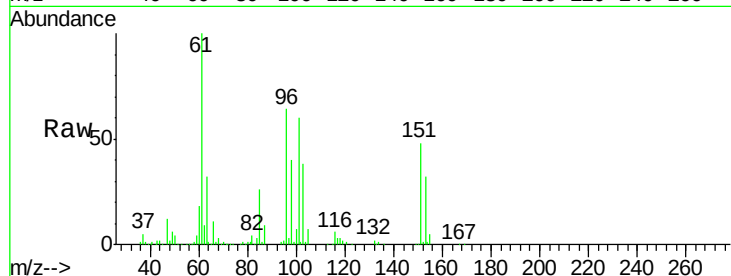
Tgt Ion:101 Resp: 86893

Ion Ratio Lower Upper

101 100

85 44.5 36.0 54.0

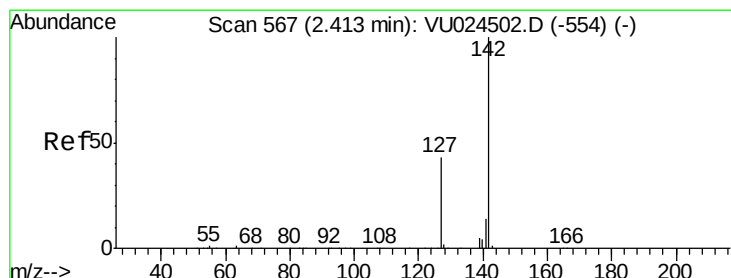
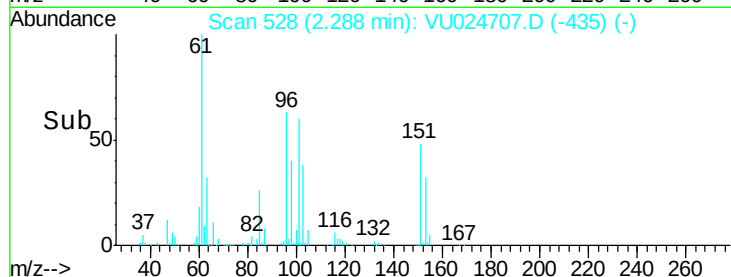
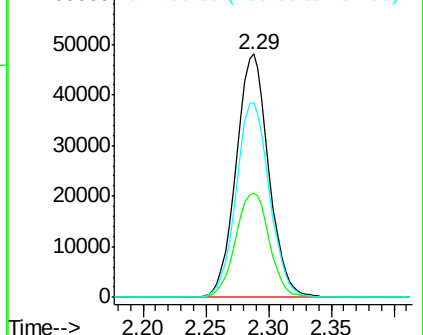
151 81.5 62.3 93.5



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VU0

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 46.366 ug/l

RT: 2.41 min Scan# 566

Delta R.T. -0.00 min

Lab File: VU024707.D

Acq: 18 Jun 2018 21:28

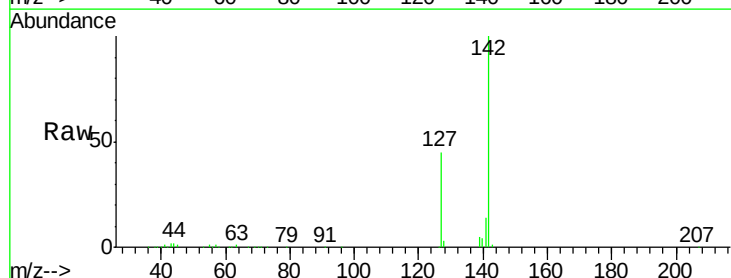
Tgt Ion:142 Resp: 76607

Ion Ratio Lower Upper

142 100

127 44.7 35.6 53.4

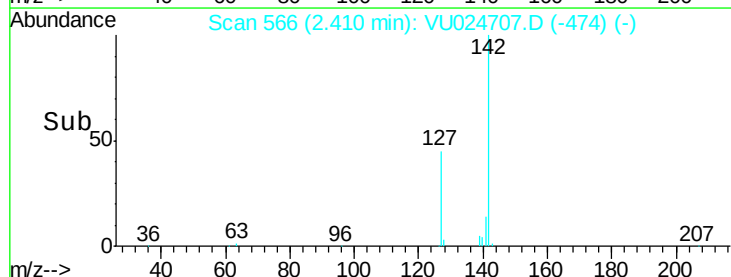
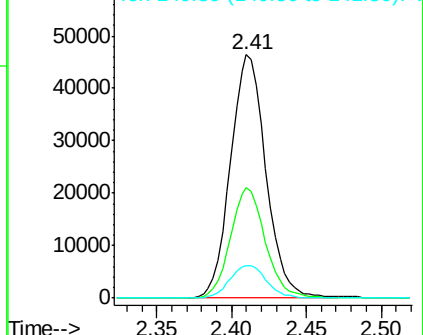
141 14.0 11.7 17.5

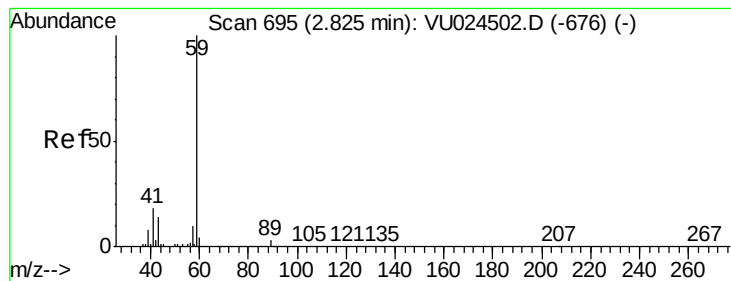


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



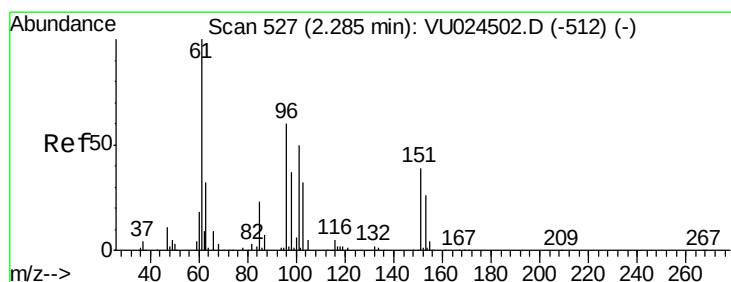
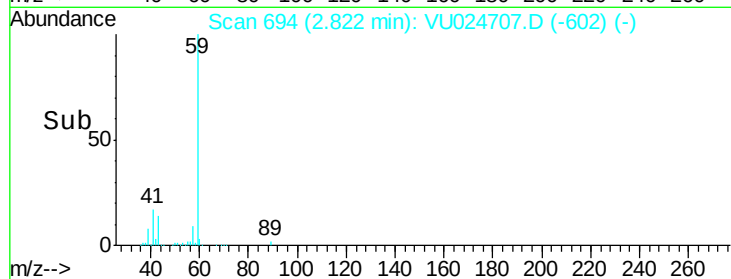
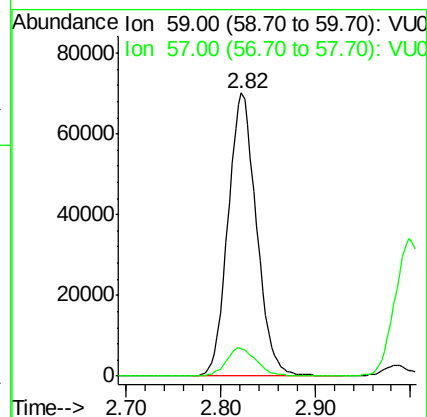
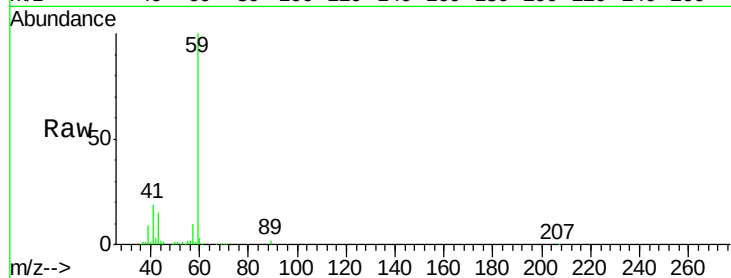


#11

Tert butyl alcohol
 Concen: 233.461 ug/l
 RT: 2.82 min Scan# 694
 Delta R.T. -0.00 min
 Lab File: VU024707.D
 Acq: 18 Jun 2018 21:28

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

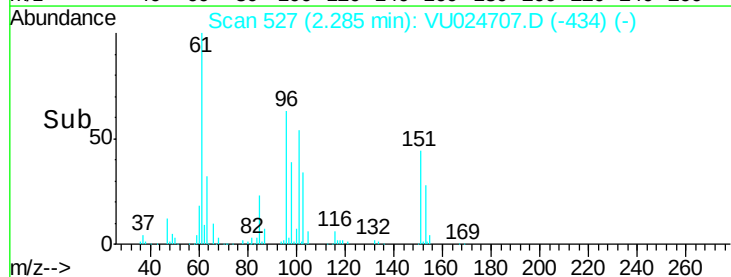
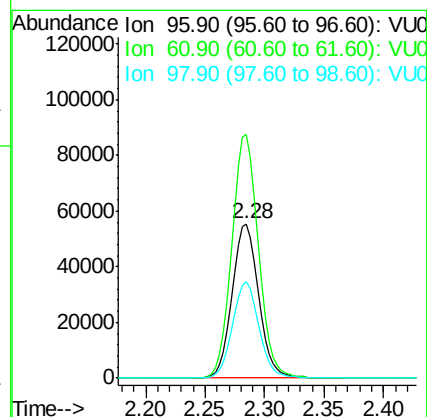
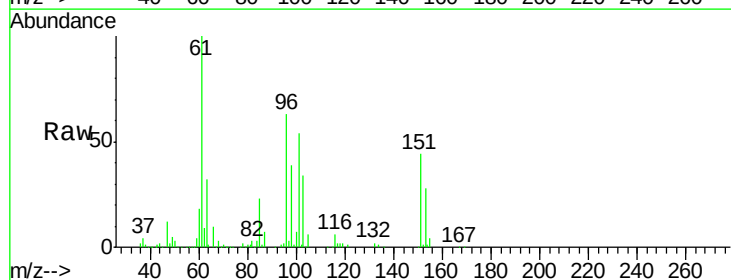
Tgt Ion: 59 Resp: 146291
 Ion Ratio Lower Upper
 59 100
 57 10.7 8.5 12.7

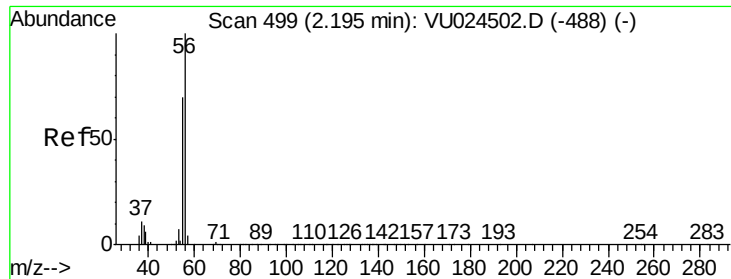


#12

1,1-Dichloroethene
 Concen: 47.768 ug/l
 RT: 2.28 min Scan# 527
 Delta R.T. 0.00 min
 Lab File: VU024707.D
 Acq: 18 Jun 2018 21:28

Tgt Ion: 96 Resp: 85840
 Ion Ratio Lower Upper
 96 100
 61 157.5 141.7 212.5
 98 62.1 51.6 77.4





#13

Acrolein

Concen: 130.976 ug/l

RT: 2.19 min Scan# 499

Delta R.T. 0.00 min

Lab File: VU024707.D

Acq: 18 Jun 2018 21:28

Instrument :

MSVOA_U

ClientSampleId :

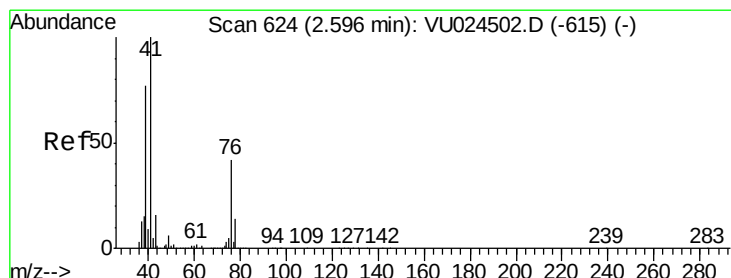
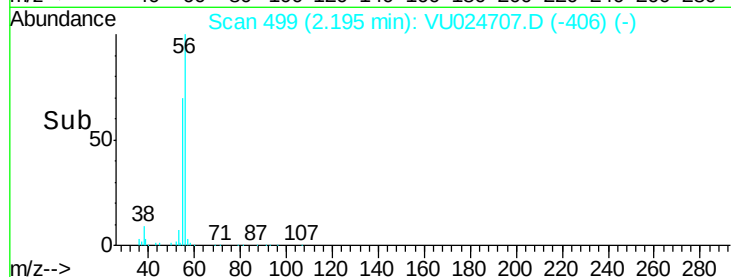
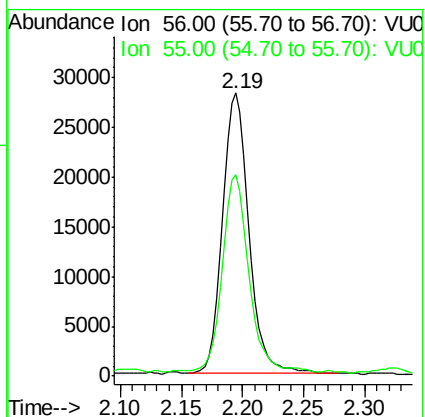
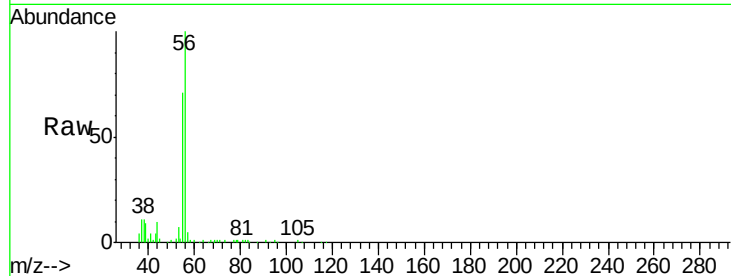
VSTDCCC050EC

Tgt Ion: 56 Resp: 43098

Ion Ratio Lower Upper

56 100

55 70.3 58.4 87.6



#14

Allyl chloride

Concen: 39.694 ug/l

RT: 2.59 min Scan# 623

Delta R.T. -0.00 min

Lab File: VU024707.D

Acq: 18 Jun 2018 21:28

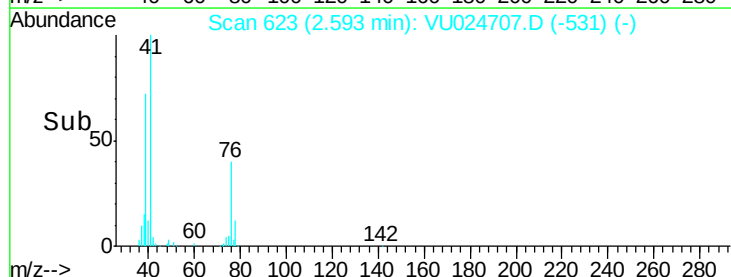
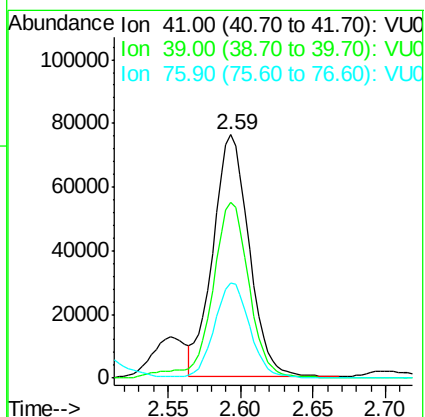
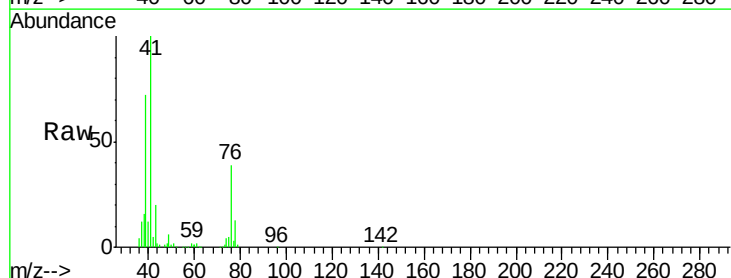
Tgt Ion: 41 Resp: 132444

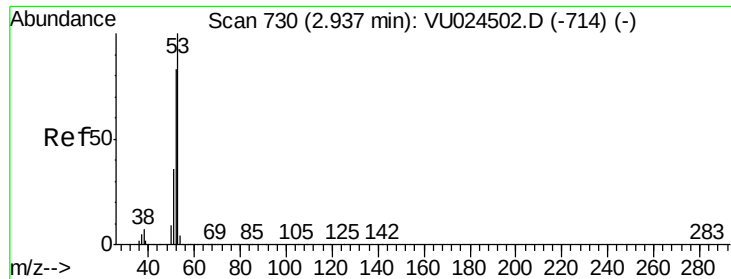
Ion Ratio Lower Upper

41 100

39 73.1 61.6 92.4

76 38.1 29.7 44.5

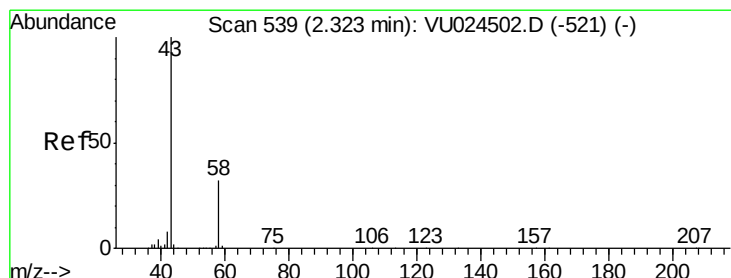
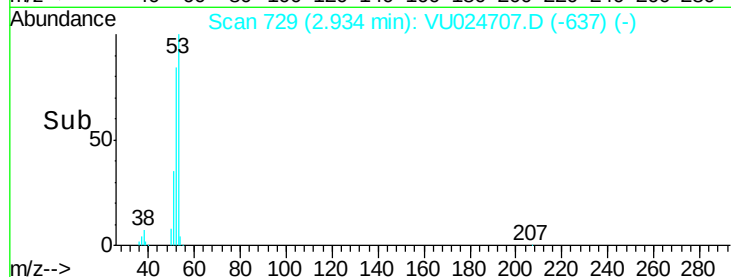
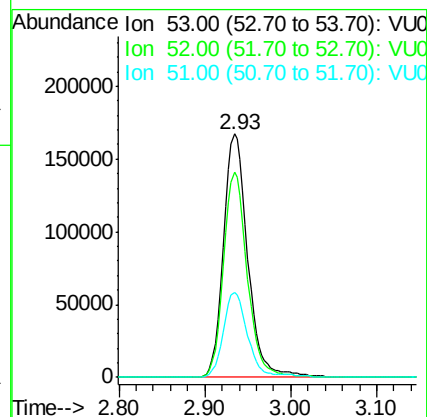
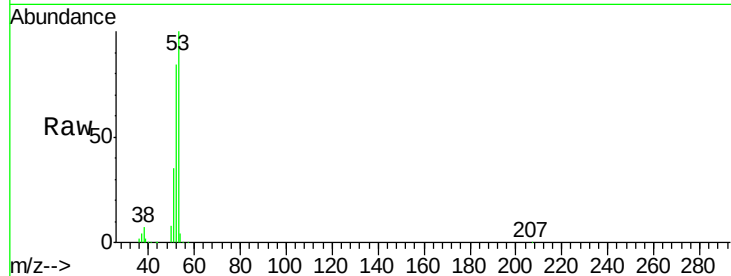




#15
 Acrylonitrile
 Concen: 269.848 ug/l
 RT: 2.93 min Scan# 729
 Delta R.T. -0.00 min
 Lab File: VU024707.D
 Acq: 18 Jun 2018 21:28

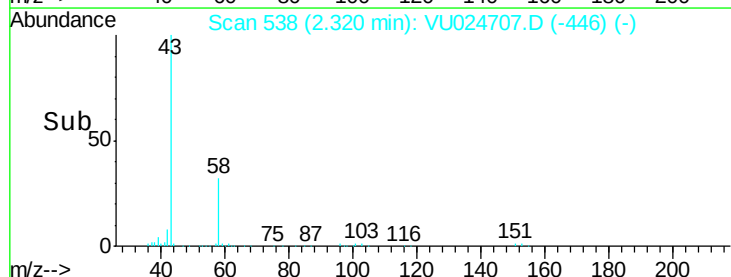
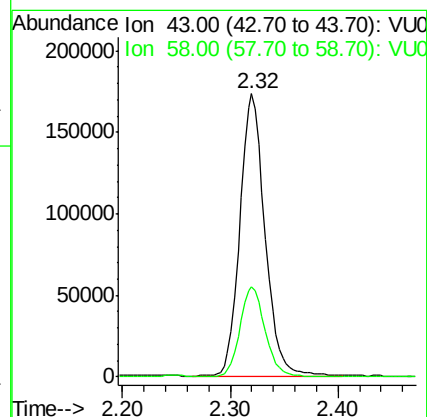
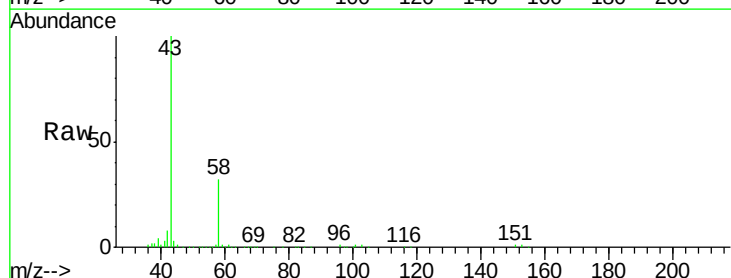
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

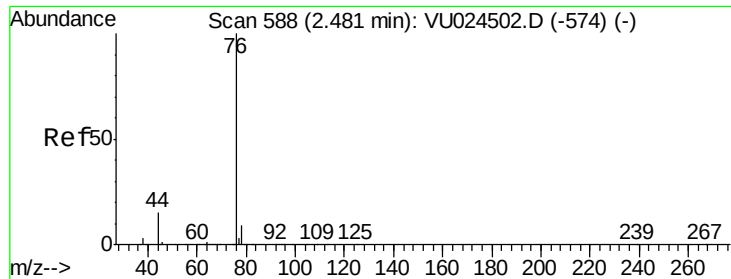
Tgt Ion: 53 Resp: 328988
 Ion Ratio Lower Upper
 53 100
 52 83.1 67.1 100.7
 51 33.9 28.4 42.6



#16
 Acetone
 Concen: 202.592 ug/l
 RT: 2.32 min Scan# 538
 Delta R.T. -0.00 min
 Lab File: VU024707.D
 Acq: 18 Jun 2018 21:28

Tgt Ion: 43 Resp: 280454
 Ion Ratio Lower Upper
 43 100
 58 32.0 24.4 36.6





#17

Carbon Disulfide

Concen: 41.969 ug/l

RT: 2.48 min Scan# 587

Delta R.T. -0.00 min

Lab File: VU024707.D

Acq: 18 Jun 2018 21:28

Instrument :

MSVOA_U

ClientSampleId :

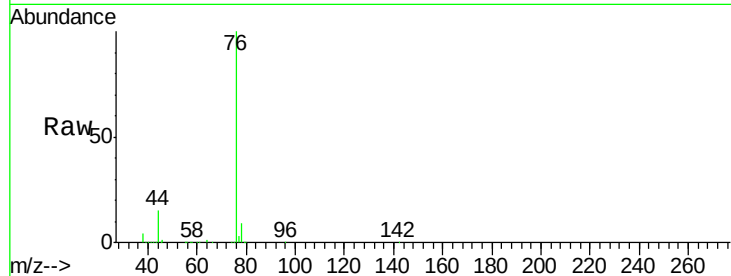
VSTDCCC050EC

Tgt Ion: 76 Resp: 241493

Ion Ratio Lower Upper

76 100

78 9.3 7.1 10.7



Abundance Ion 75.90 (75.60 to 76.60): VU024502.D (-574) (-)

Ion 77.90 (77.60 to 78.60): VU024502.D (-574) (-)

2.48

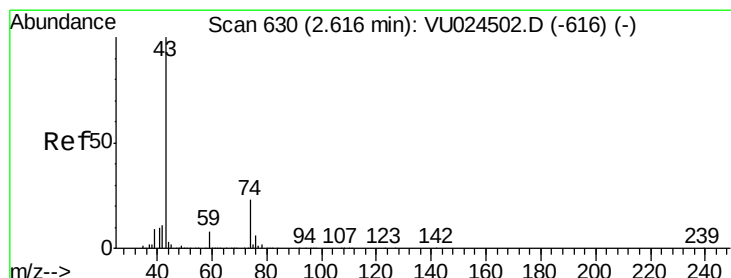
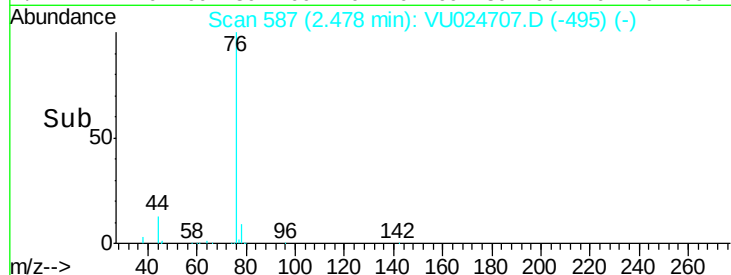
150000

100000

50000

0

Time-->



#18

Methyl Acetate

Concen: 60.091 ug/l

RT: 2.61 min Scan# 629

Delta R.T. -0.00 min

Lab File: VU024707.D

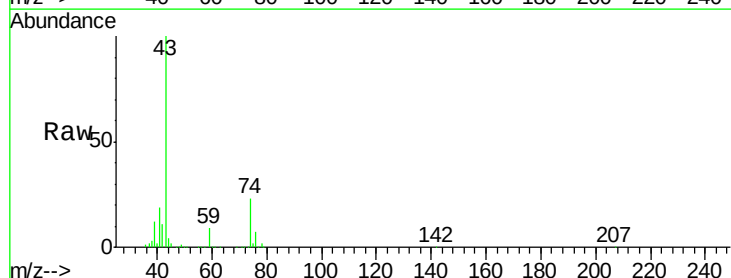
Acq: 18 Jun 2018 21:28

Tgt Ion: 43 Resp: 178334

Ion Ratio Lower Upper

43 100

74 23.5 18.0 27.0



Abundance Ion 43.00 (42.70 to 43.70): VU024502.D (-616) (-)

Ion 74.00 (73.70 to 74.70): VU024502.D (-616) (-)

2.61

120000

100000

80000

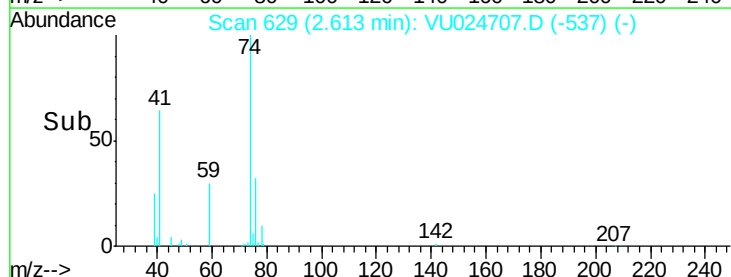
60000

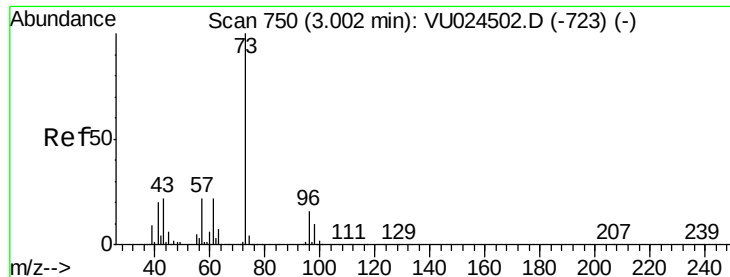
40000

20000

0

Time-->

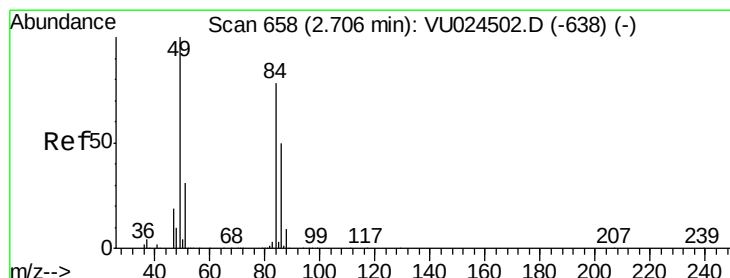
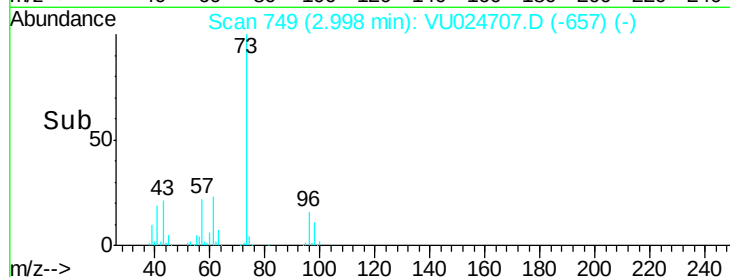
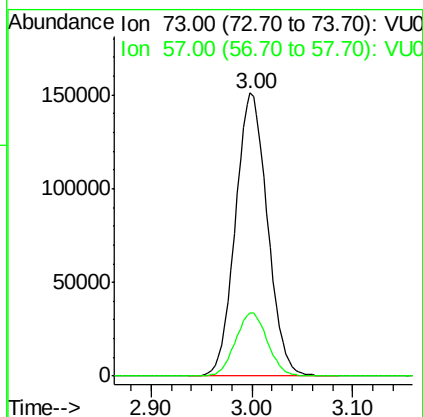
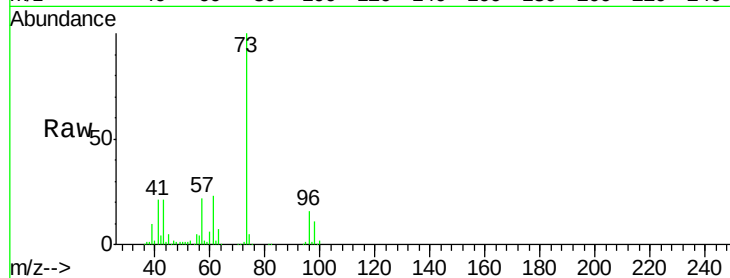




#19
Methyl tert-butyl Ether
Concen: 49.144 ug/l
RT: 3.00 min Scan# 749
Delta R.T. -0.00 min
Lab File: VU024707.D
Acq: 18 Jun 2018 21:28

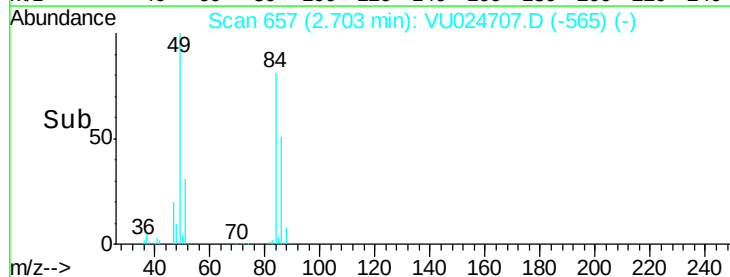
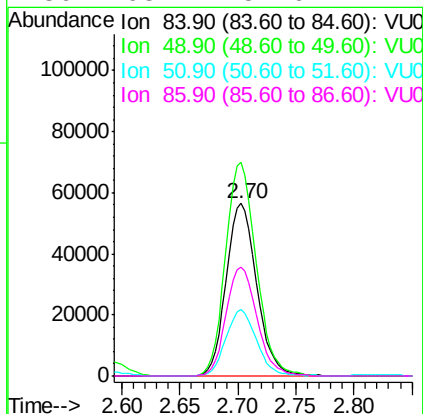
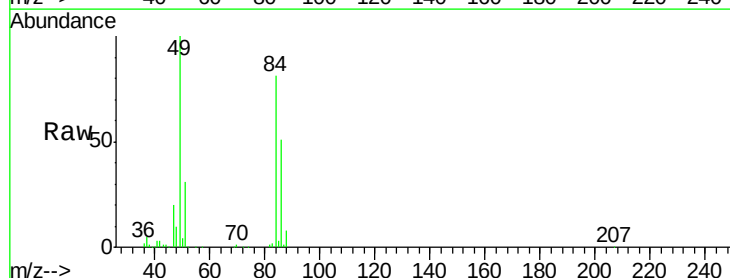
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

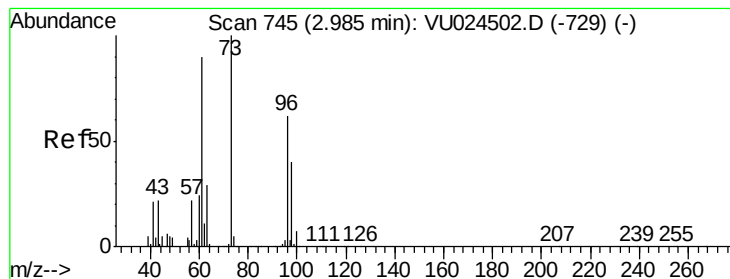
Tgt Ion: 73 Resp: 331964
Ion Ratio Lower Upper
73 100
57 22.4 18.8 28.2



#20
Methylene Chloride
Concen: 47.417 ug/l
RT: 2.70 min Scan# 657
Delta R.T. -0.00 min
Lab File: VU024707.D
Acq: 18 Jun 2018 21:28

Tgt Ion: 84 Resp: 102994
Ion Ratio Lower Upper
84 100
49 123.9 103.8 155.8
51 38.6 32.0 48.0
86 63.4 51.6 77.4





#21

trans-1,2-Dichloroethene

Concen: 46.214 ug/l

RT: 2.98 min Scan# 744

Delta R.T. -0.00 min

Lab File: VU024707.D

Acq: 18 Jun 2018 21:28

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

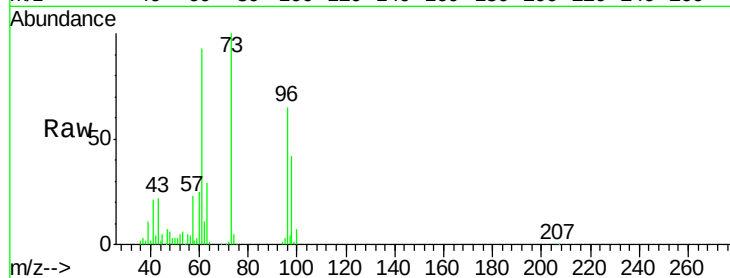
Tgt Ion: 96 Resp: 91469

Ion Ratio Lower Upper

96 100

61 143.7 119.4 179.0

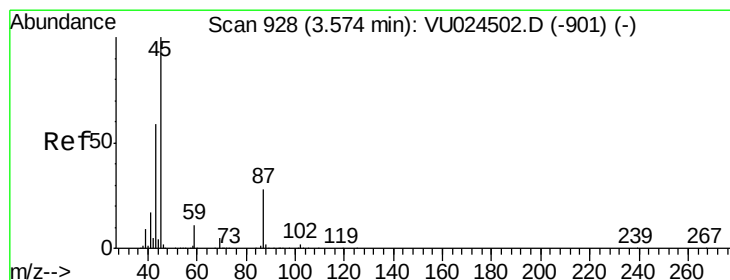
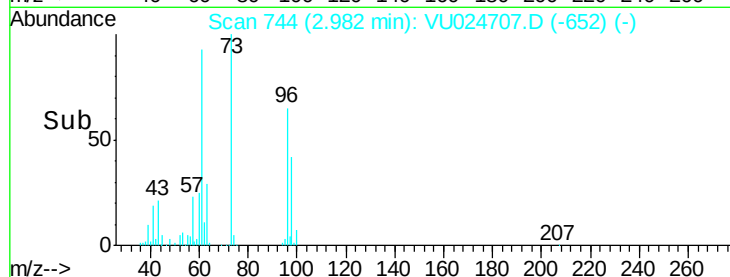
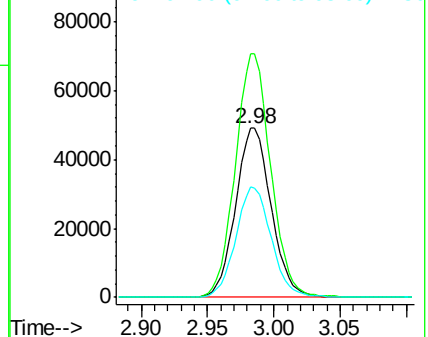
98 64.9 51.1 76.7



Abundance Ion 95.90 (95.60 to 96.60): VU024707.D (-652) (-)

Ion 60.90 (60.60 to 61.60): VU024707.D (-652) (-)

Ion 97.90 (97.60 to 98.60): VU024707.D (-652) (-)



#22

Diisopropyl ether

Concen: 50.397 ug/l

RT: 3.57 min Scan# 928

Delta R.T. 0.00 min

Lab File: VU024707.D

Acq: 18 Jun 2018 21:28

Tgt Ion: 45 Resp: 333343

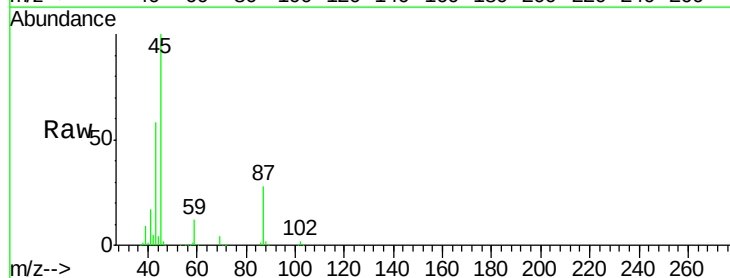
Ion Ratio Lower Upper

45 100

43 57.1 45.8 68.6

87 28.2 20.6 31.0

59 11.7 9.4 14.0

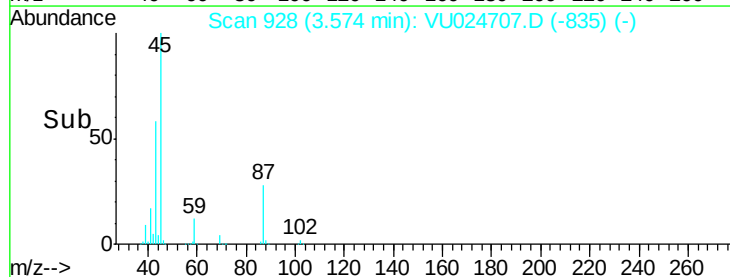
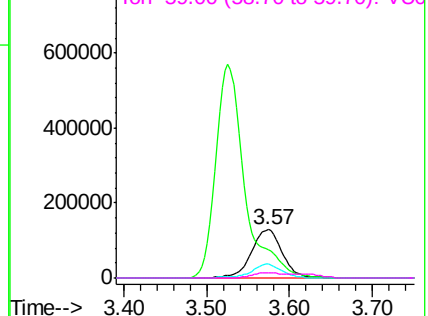


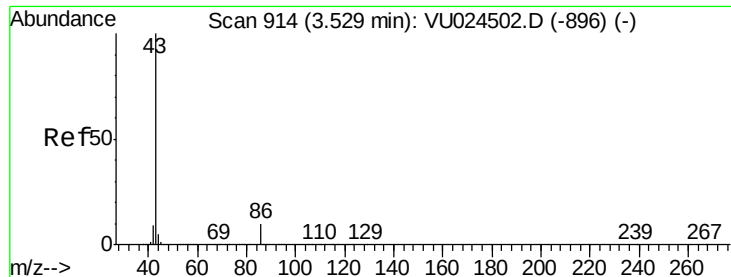
Abundance Ion 45.00 (44.70 to 45.70): VU024707.D (-835) (-)

Ion 43.00 (42.70 to 43.70): VU024707.D (-835) (-)

Ion 87.00 (86.70 to 87.70): VU024707.D (-835) (-)

Ion 59.00 (58.70 to 59.70): VU024707.D (-835) (-)





#23

Vinyl Acetate

Concen: 234.229 ug/l

RT: 3.53 min Scan# 913

Delta R.T. -0.00 min

Lab File: VU024707.D

Acq: 18 Jun 2018 21:28

Instrument :

MSVOA_U

ClientSampleId :

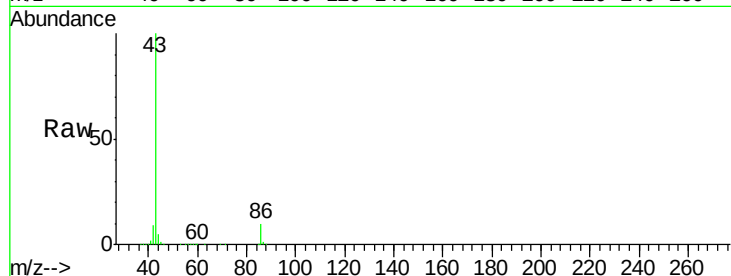
VSTDCCC050EC

Tgt Ion: 43 Resp: 1387818

Ion Ratio Lower Upper

43 100

86 10.4 7.8 11.8



Abundance Ion 43.00 (42.70 to 43.70): VU024707.D (-821) (-)

Ion 86.00 (85.70 to 86.70): VU024707.D (-821) (-)

3.53

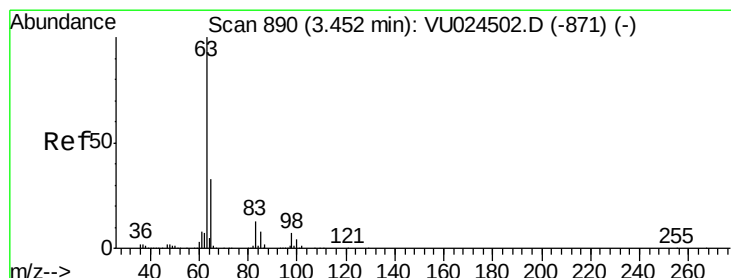
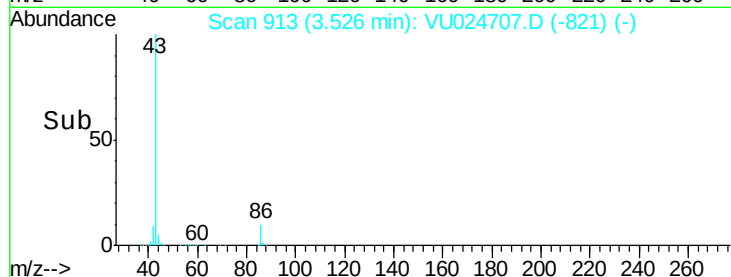
600000

400000

200000

0

Time-->



#24

1,1-Dichloroethane

Concen: 48.800 ug/l

RT: 3.45 min Scan# 889

Delta R.T. -0.00 min

Lab File: VU024707.D

Acq: 18 Jun 2018 21:28

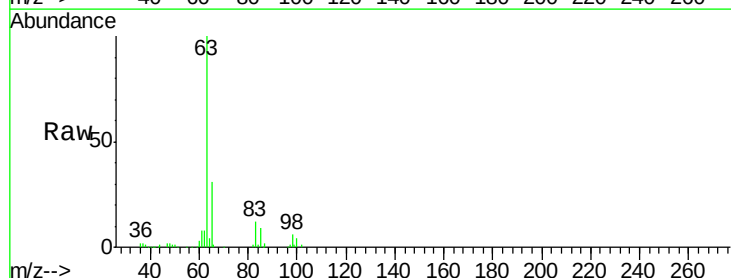
Tgt Ion: 63 Resp: 185685

Ion Ratio Lower Upper

63 100

98 6.5 3.5 10.4

100 4.4 1.8 5.5



Abundance Ion 62.90 (62.60 to 63.60): VU024707.D (-797) (-)

Ion 97.90 (97.60 to 98.60): VU024707.D (-797) (-)

Ion 99.90 (99.60 to 100.60): VU024707.D (-797) (-)

3.45

100000

80000

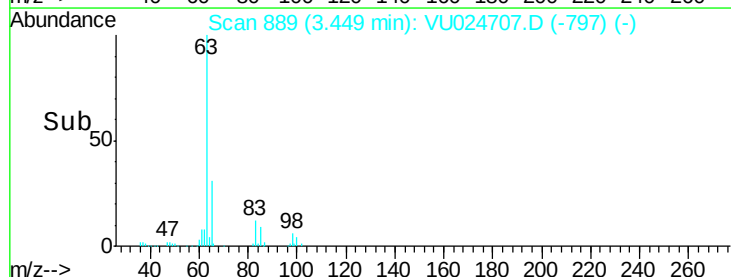
60000

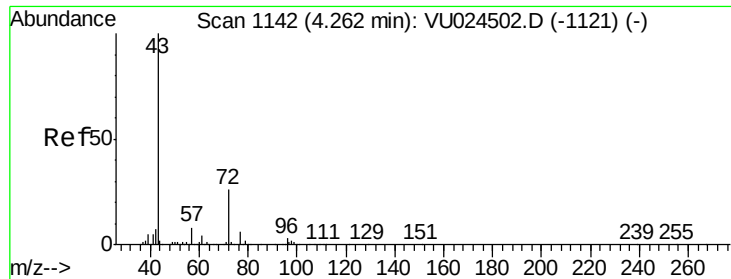
40000

20000

0

Time-->

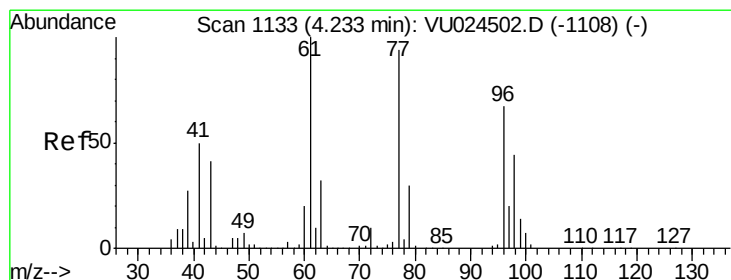
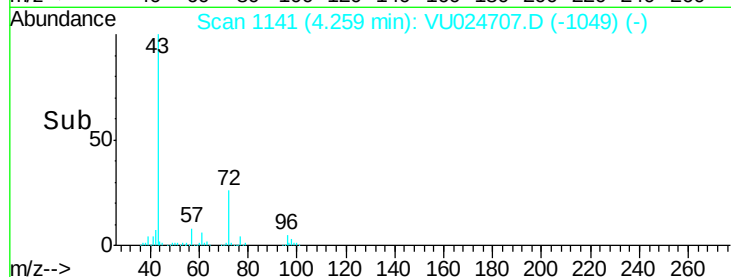
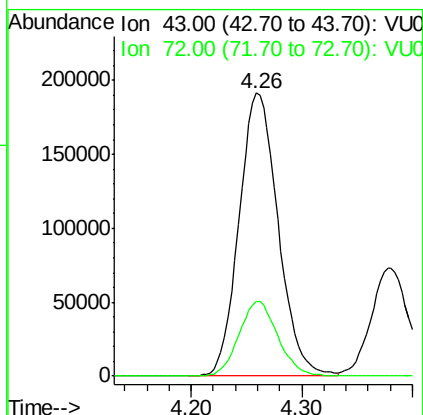
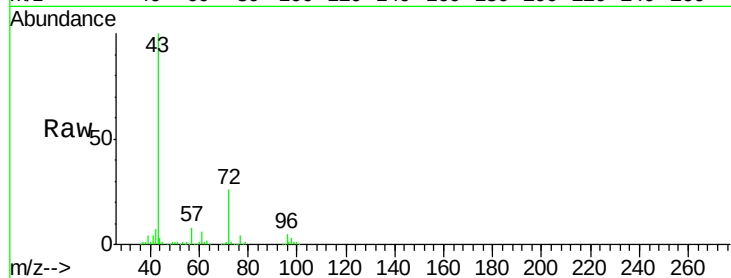




#25
2-Butanone
Concen: 251.297 ug/l
RT: 4.26 min Scan# 1141
Delta R.T. -0.00 min
Lab File: VU024707.D
Acq: 18 Jun 2018 21:28

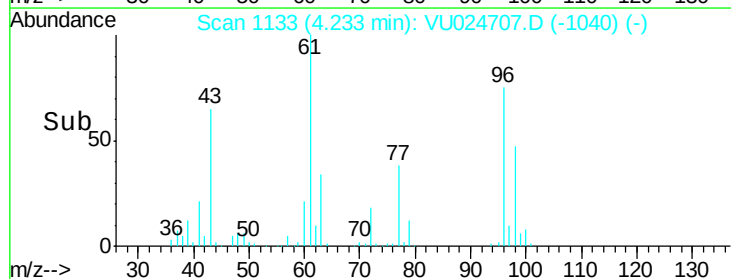
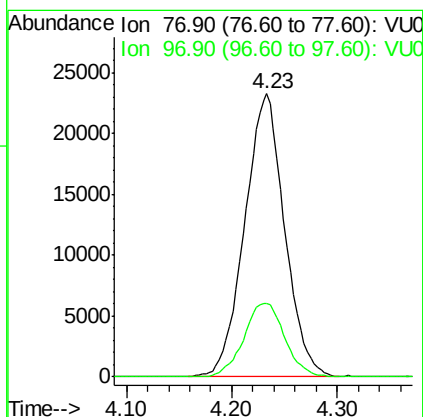
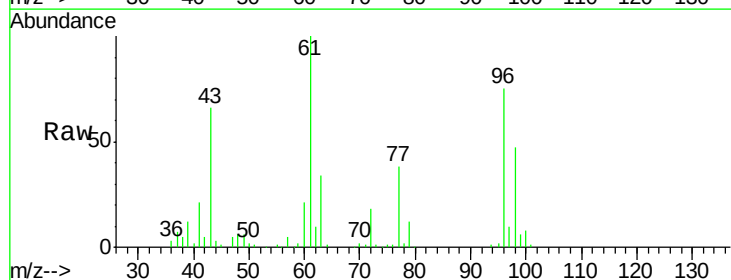
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

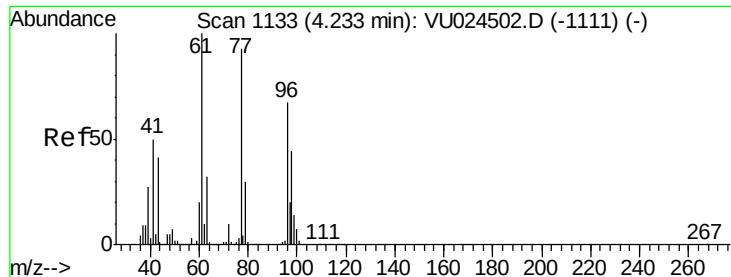
Tgt Ion: 43 Resp: 467279
Ion Ratio Lower Upper
43 100
72 26.2 19.6 29.4



#26
2,2-Dichloropropane
Concen: 16.919 ug/l
RT: 4.23 min Scan# 1133
Delta R.T. 0.00 min
Lab File: VU024707.D
Acq: 18 Jun 2018 21:28

Tgt Ion: 77 Resp: 61130
Ion Ratio Lower Upper
77 100
97 26.7 11.3 33.8





#27

cis-1,2-Dichloroethene

Concen: 49.070 ug/l

RT: 4.23 min Scan# 1132

Delta R.T. -0.00 min

Lab File: VU024707.D

Acq: 18 Jun 2018 21:28

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

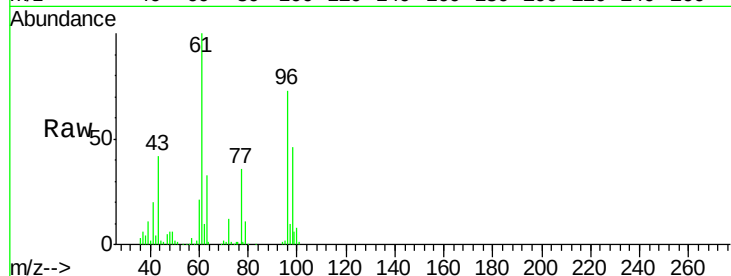
Tgt Ion: 96 Resp: 111657

Ion Ratio Lower Upper

96 100

61 136.4 0.0 306.6

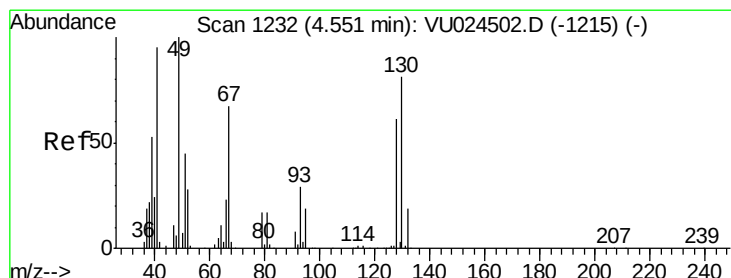
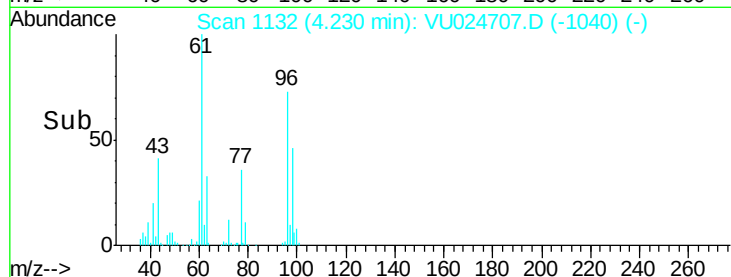
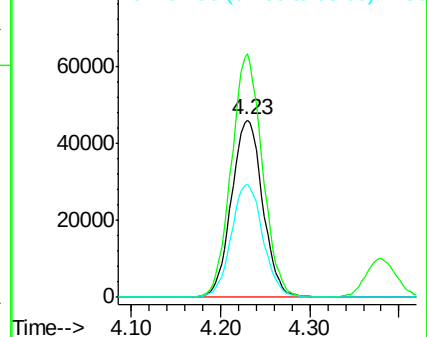
98 64.5 0.0 128.8



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: 49.729 ug/l

RT: 4.55 min Scan# 1232

Delta R.T. 0.00 min

Lab File: VU024707.D

Acq: 18 Jun 2018 21:28

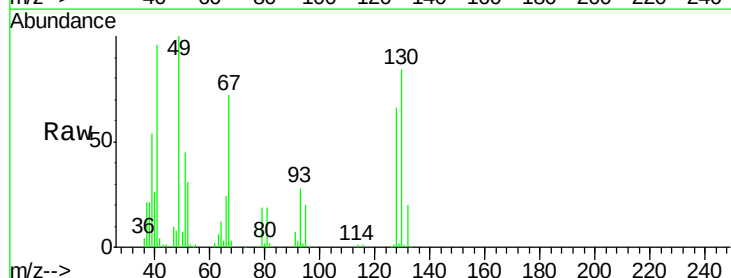
Tgt Ion: 49 Resp: 83344

Ion Ratio Lower Upper

49 100

129 2.2 0.0 3.8

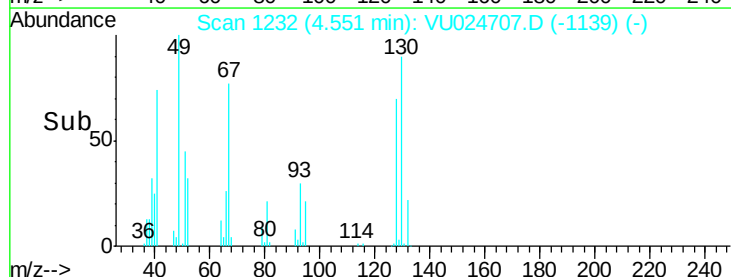
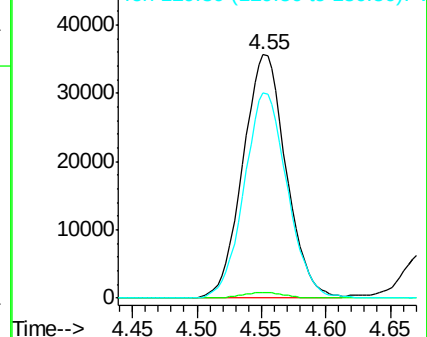
130 84.0 57.8 86.6

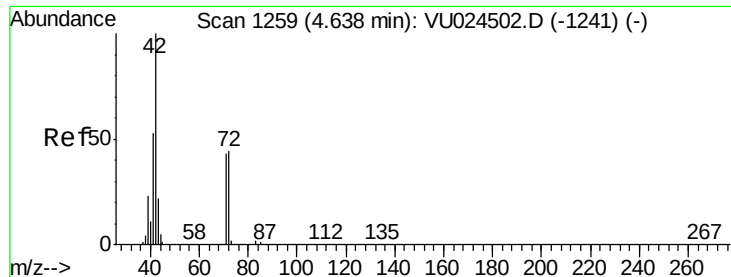


Abundance Ion 48.90 (48.60 to 49.60): VU0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V





#29

Tetrahydrofuran

Concen: 261.860 ug/l

RT: 4.63 min Scan# 1258

Delta R.T. -0.00 min

Lab File: VU024707.D

Acq: 18 Jun 2018 21:28

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

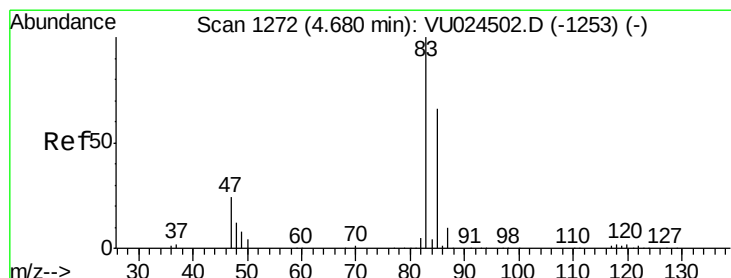
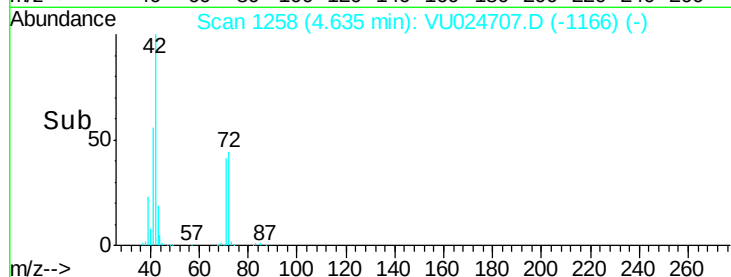
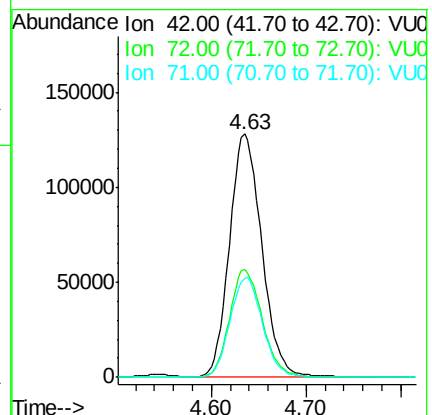
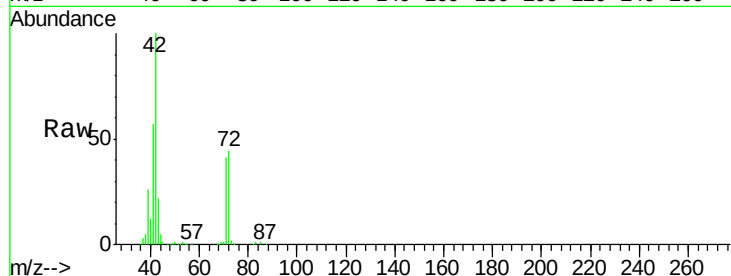
Tgt Ion: 42 Resp: 301534

Ion Ratio Lower Upper

42 100

72 45.4 34.5 51.7

71 41.7 32.2 48.4



#30

Chloroform

Concen: 49.449 ug/l

RT: 4.68 min Scan# 1271

Delta R.T. -0.00 min

Lab File: VU024707.D

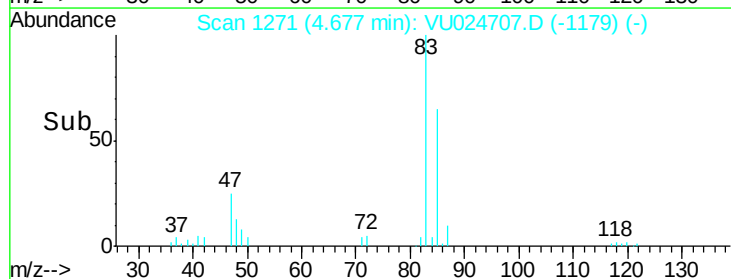
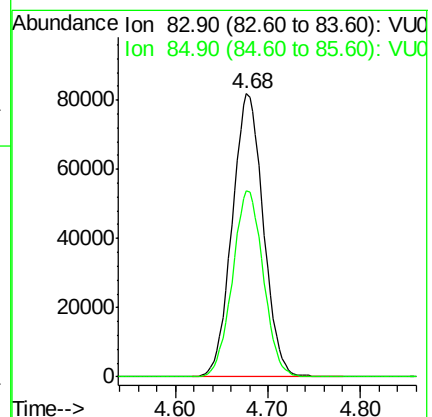
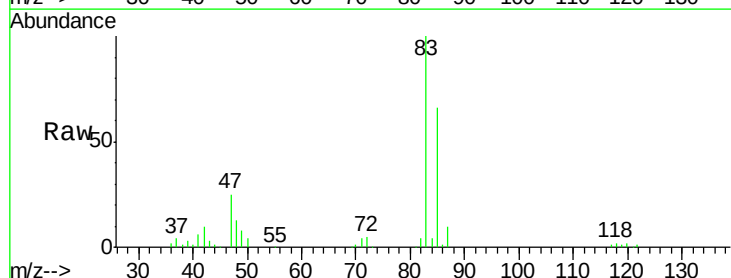
Acq: 18 Jun 2018 21:28

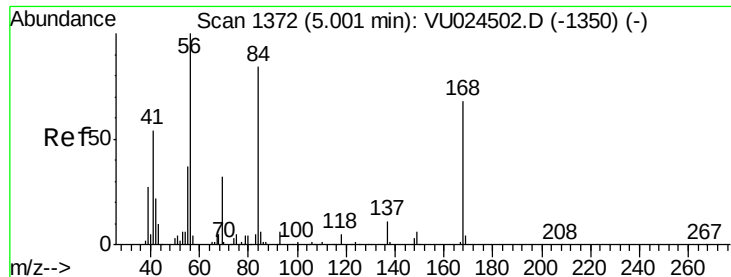
Tgt Ion: 83 Resp: 190444

Ion Ratio Lower Upper

83 100

85 65.7 52.4 78.6

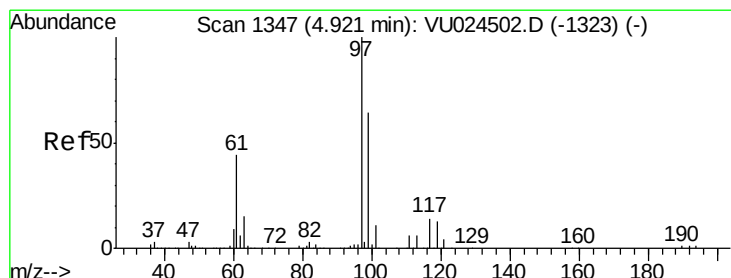
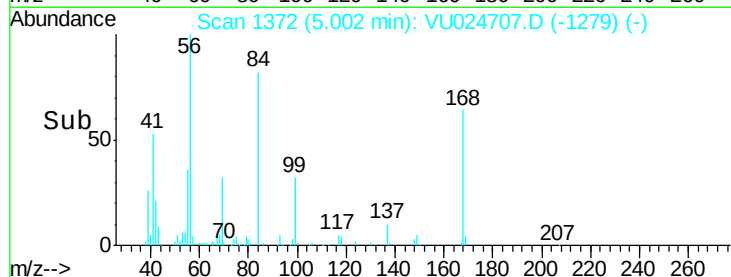
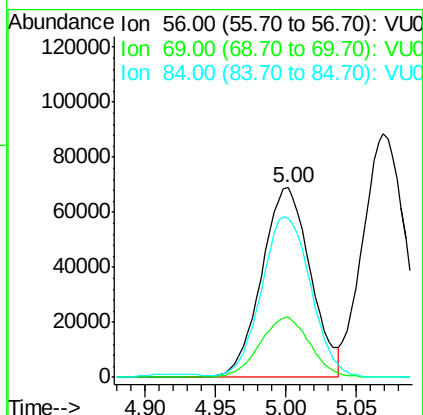
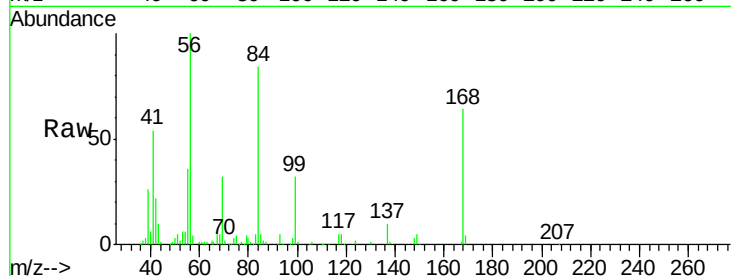




#31
Cyclohexane
Concen: 49.186 ug/l
RT: 5.00 min Scan# 1372
Delta R.T. 0.00 min
Lab File: VU024707.D
Acq: 18 Jun 2018 21:28

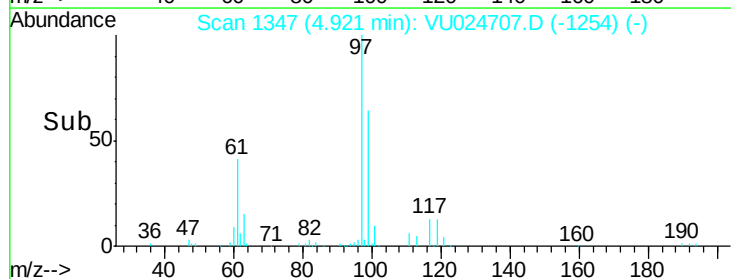
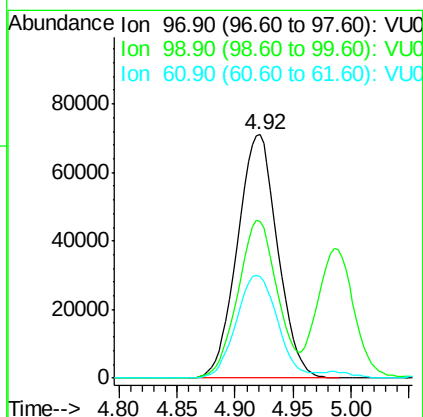
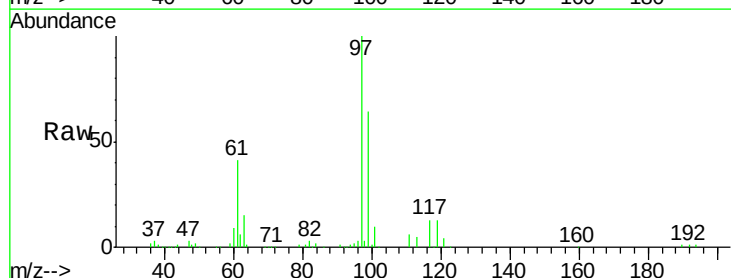
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

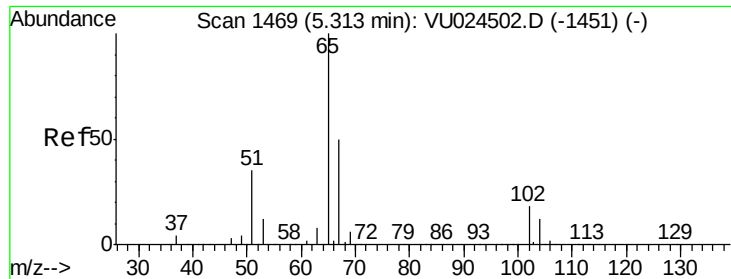
Tgt Ion: 56 Resp: 166307
Ion Ratio Lower Upper
56 100
69 31.7 24.8 37.2
84 82.3 65.2 97.8



#32
1,1,1-Trichloroethane
Concen: 48.144 ug/l
RT: 4.92 min Scan# 1347
Delta R.T. 0.00 min
Lab File: VU024707.D
Acq: 18 Jun 2018 21:28

Tgt Ion: 97 Resp: 171460
Ion Ratio Lower Upper
97 100
99 64.4 51.0 76.6
61 43.2 39.4 59.0

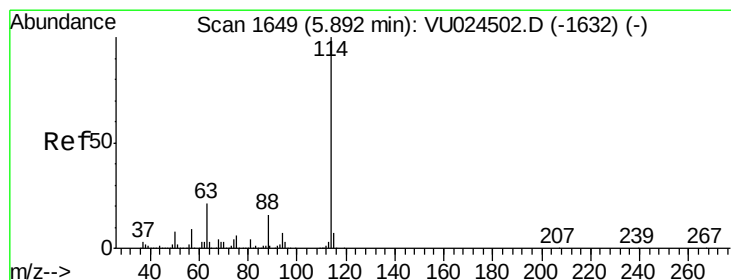
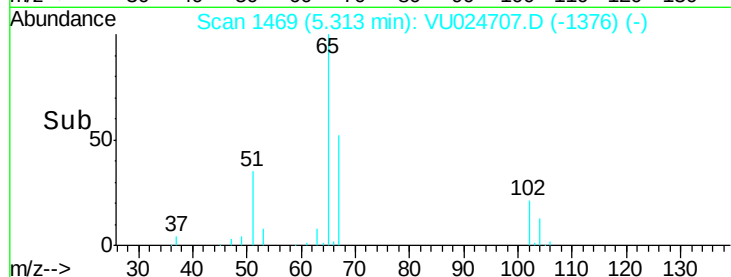
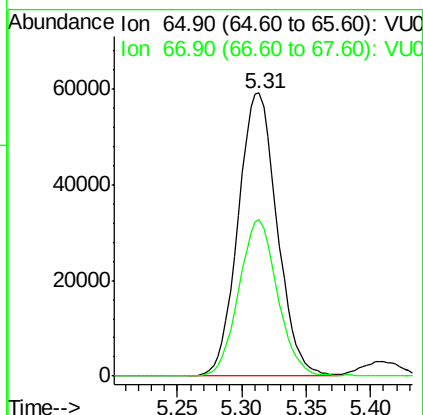
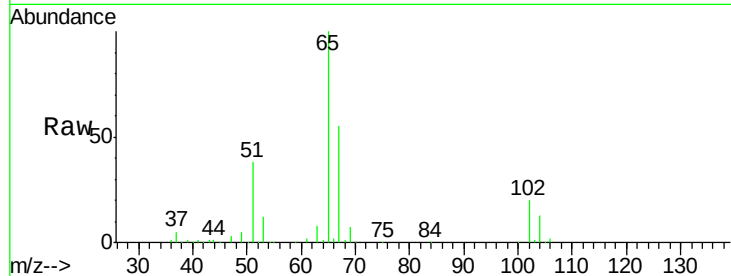




#33
 1,2-Dichloroethane-d4
 Concen: 48.446 ug/l
 RT: 5.31 min Scan# 1469
 Delta R.T. 0.00 min
 Lab File: VU024707.D
 Acq: 18 Jun 2018 21:28

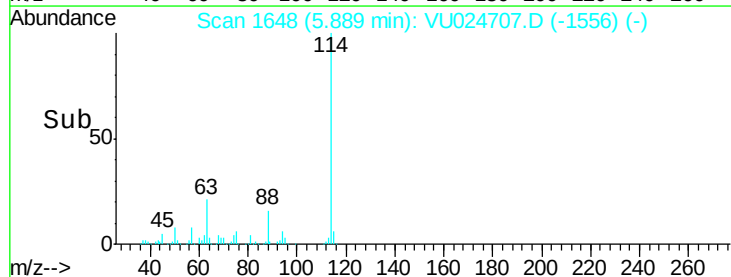
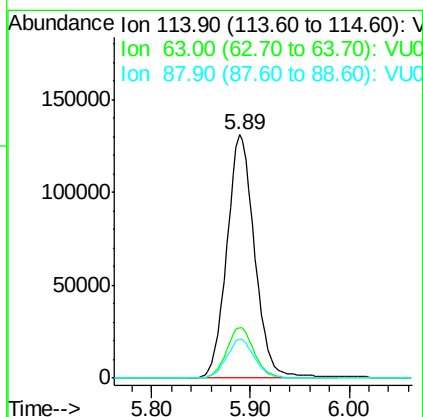
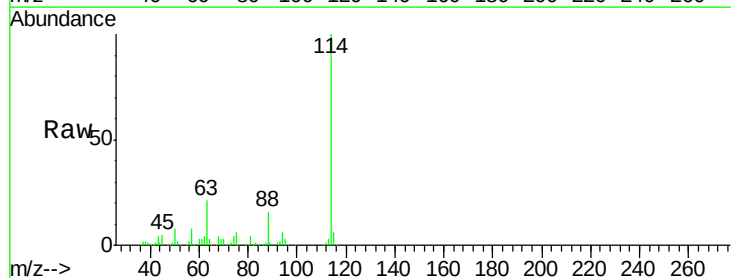
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

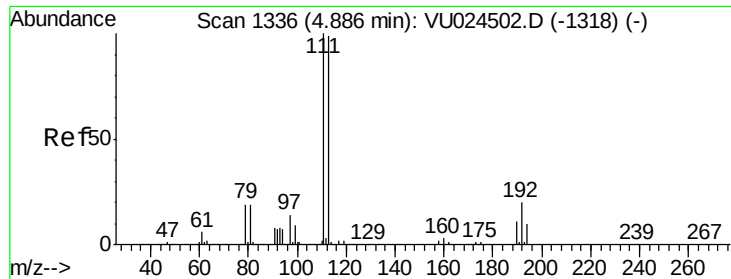
Tgt Ion: 65 Resp: 124818
 Ion Ratio Lower Upper
 65 100
 67 54.6 0.0 107.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.89 min Scan# 1648
 Delta R.T. -0.00 min
 Lab File: VU024707.D
 Acq: 18 Jun 2018 21:28

Tgt Ion: 114 Resp: 258039
 Ion Ratio Lower Upper
 114 100
 63 20.8 0.0 45.4
 88 16.2 0.0 31.0





#35

Dibromofluoromethane

Concen: 48.730 ug/l

RT: 4.89 min Scan# 1336

Delta R.T. 0.00 min

Lab File: VU024707.D

Acq: 18 Jun 2018 21:28

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

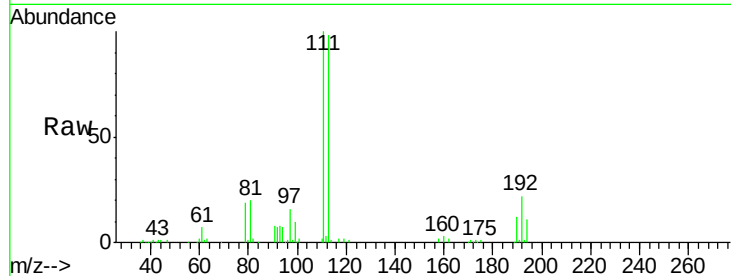
Tgt Ion:113 Resp: 104356

Ion Ratio Lower Upper

113 100

111 102.6 82.2 123.4

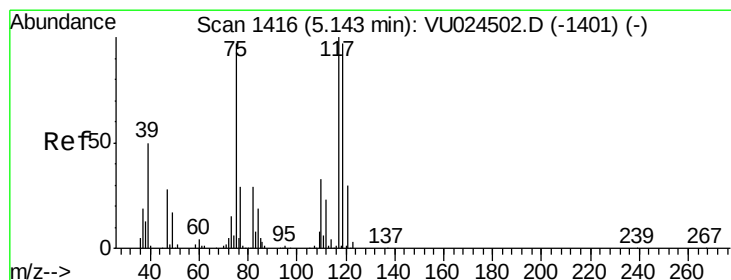
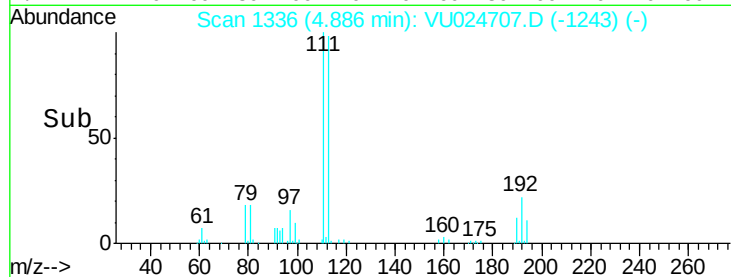
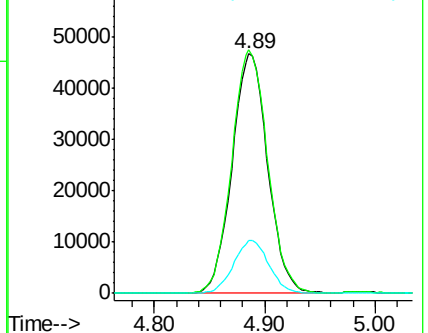
192 21.9 16.2 24.4



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 44.031 ug/l

RT: 5.14 min Scan# 1415

Delta R.T. -0.00 min

Lab File: VU024707.D

Acq: 18 Jun 2018 21:28

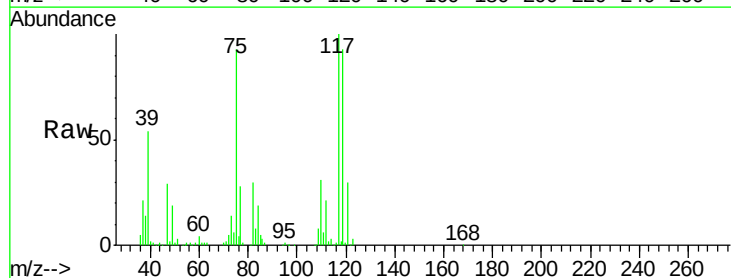
Tgt Ion: 75 Resp: 133509

Ion Ratio Lower Upper

75 100

110 35.9 17.0 50.9

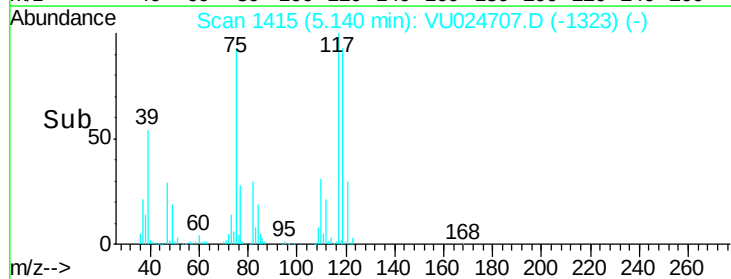
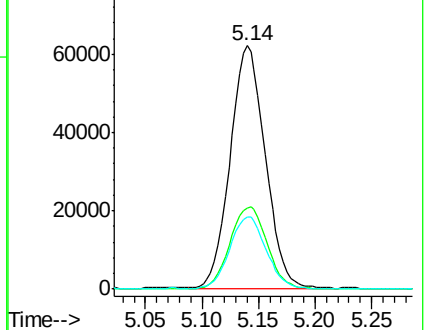
77 30.9 24.2 36.4

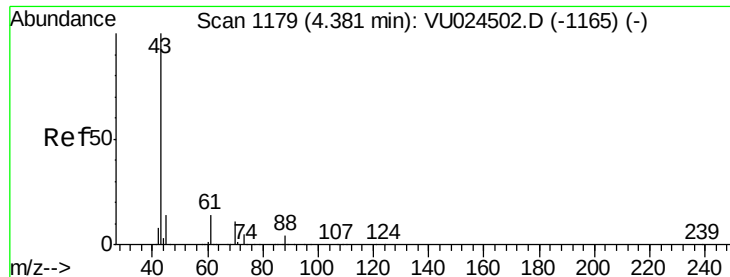


Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VU0

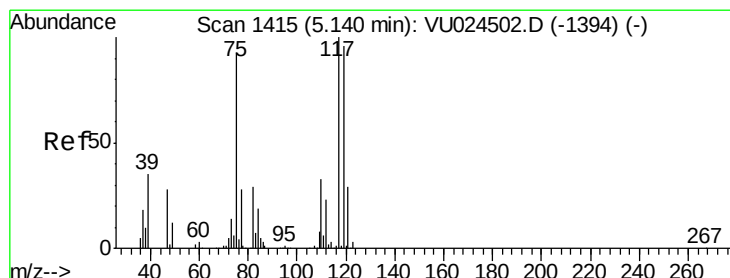
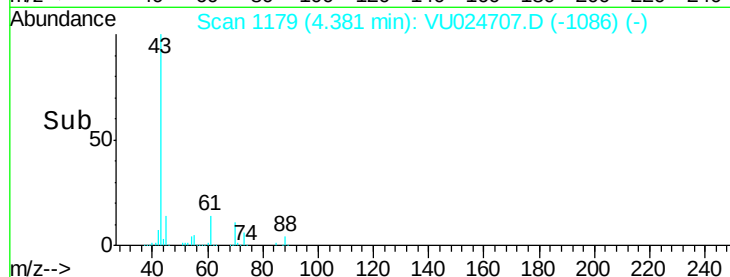
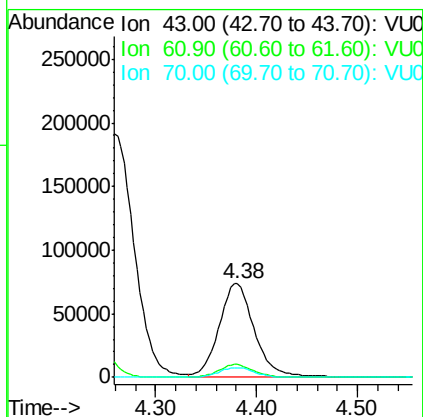
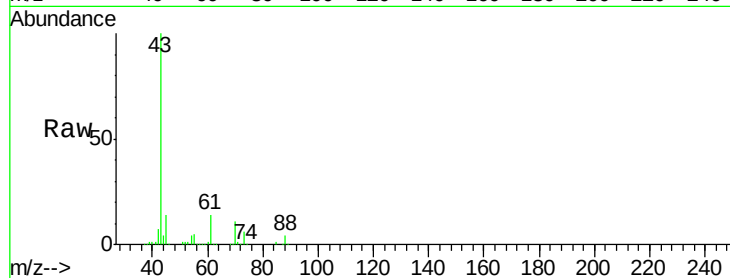




#37
 Ethyl Acetate
 Concen: 53.319 ug/l
 RT: 4.38 min Scan# 1179
 Delta R.T. 0.00 min
 Lab File: VU024707.D
 Acq: 18 Jun 2018 21:28

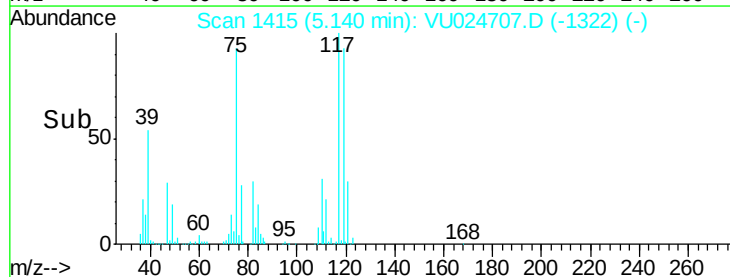
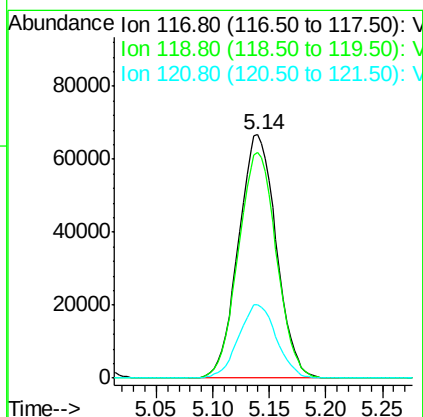
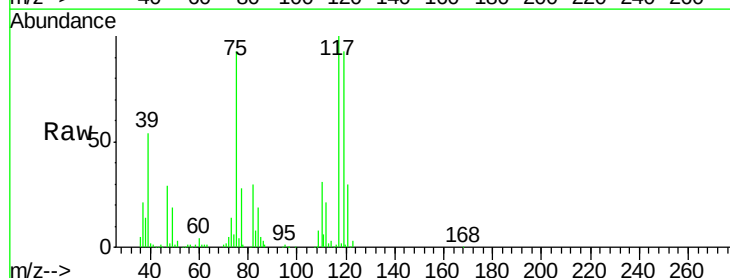
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

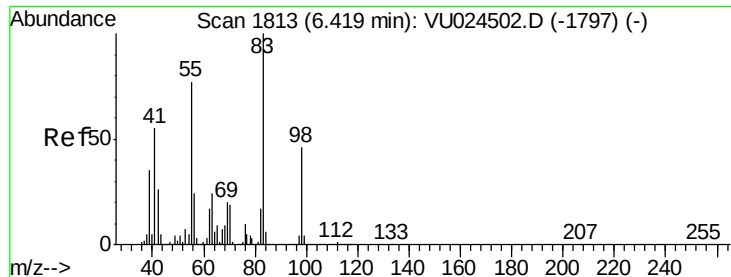
Tgt Ion: 43 Resp: 176212
 Ion Ratio Lower Upper
 43 100
 61 13.5 10.5 15.7
 70 10.4 7.4 11.2



#38
 Carbon Tetrachloride
 Concen: 46.513 ug/l
 RT: 5.14 min Scan# 1415
 Delta R.T. 0.00 min
 Lab File: VU024707.D
 Acq: 18 Jun 2018 21:28

Tgt Ion: 117 Resp: 155092
 Ion Ratio Lower Upper
 117 100
 119 92.9 76.1 114.1
 121 30.2 23.7 35.5

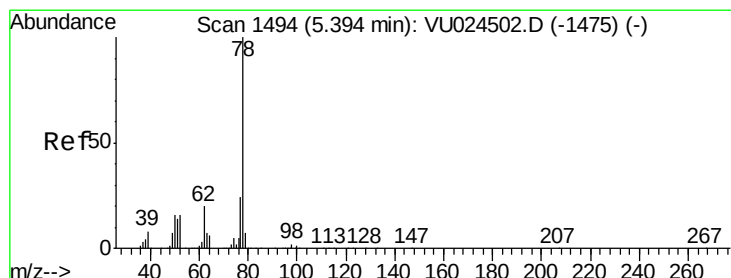
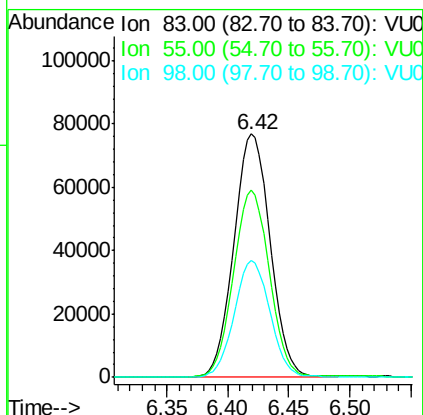
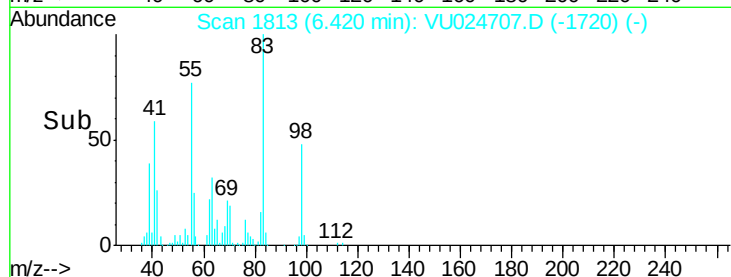
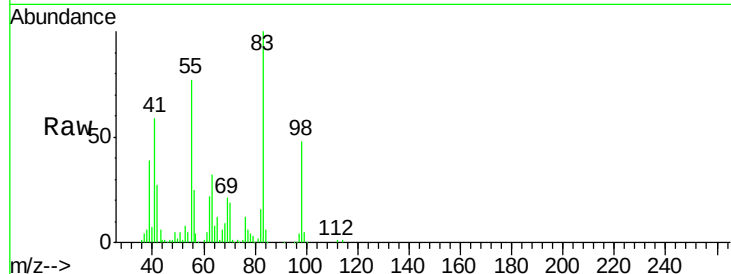




#39
Methylcyclohexane
Concen: 42.037 ug/l
RT: 6.42 min Scan# 1813
Delta R.T. 0.00 min
Lab File: VU024707.D
Acq: 18 Jun 2018 21:28

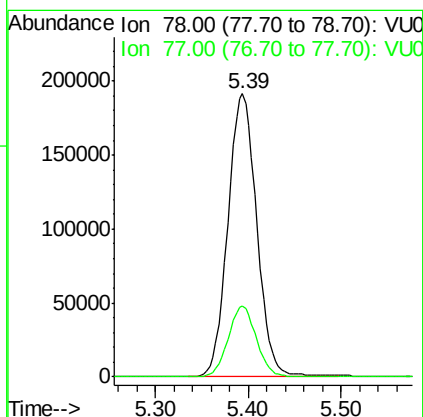
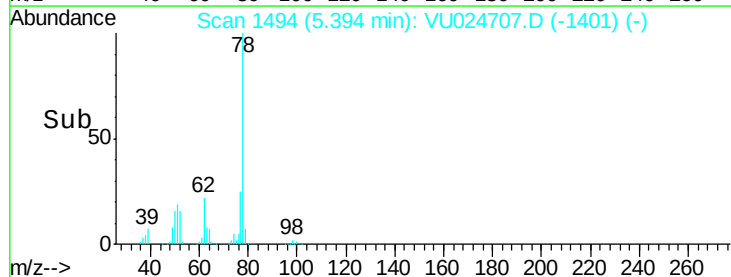
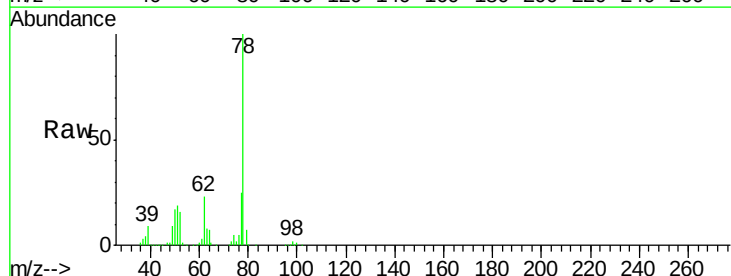
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

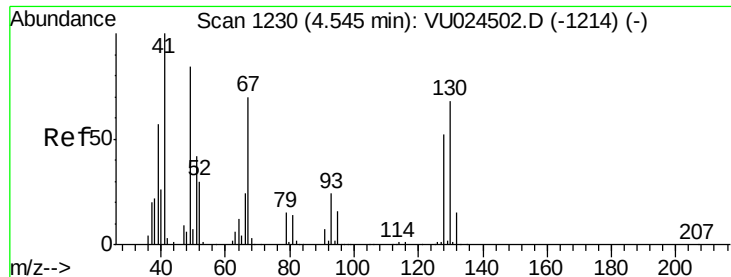
Tgt Ion: 83 Resp: 159064
Ion Ratio Lower Upper
83 100
55 76.5 65.8 98.6
98 47.9 36.7 55.1



#40
Benzene
Concen: 47.924 ug/l
RT: 5.39 min Scan# 1494
Delta R.T. 0.00 min
Lab File: VU024707.D
Acq: 18 Jun 2018 21:28

Tgt Ion: 78 Resp: 414061
Ion Ratio Lower Upper
78 100
77 25.0 19.2 28.8

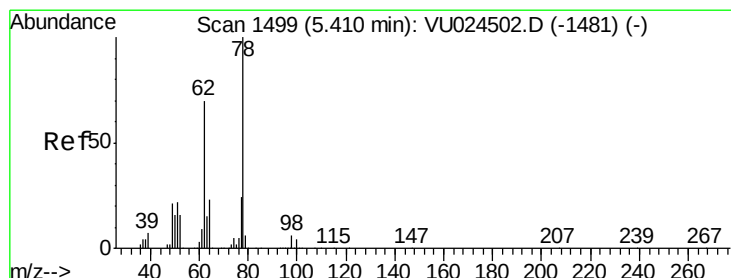
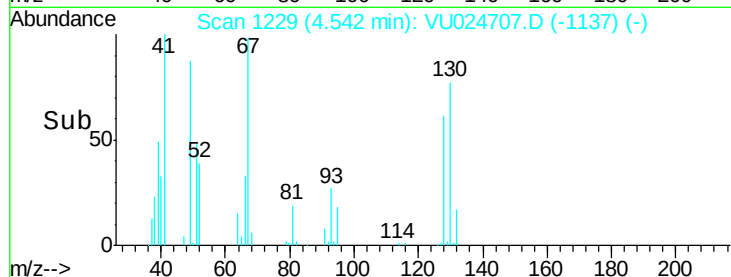
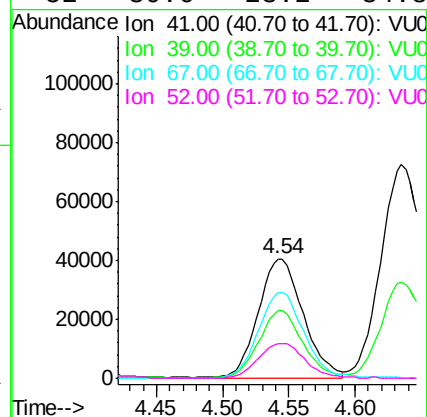
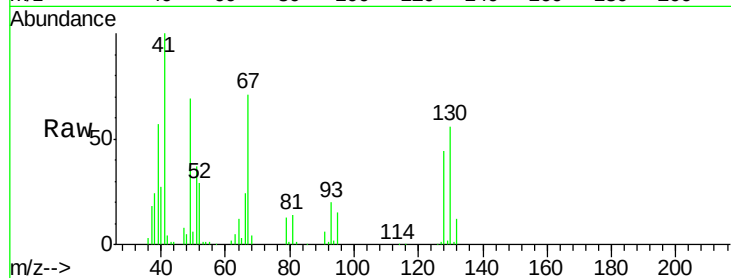




#41
Methacrylonitrile
Concen: 53.183 ug/l
RT: 4.54 min Scan# 1229
Delta R.T. -0.00 min
Lab File: VU024707.D
Acq: 18 Jun 2018 21:28

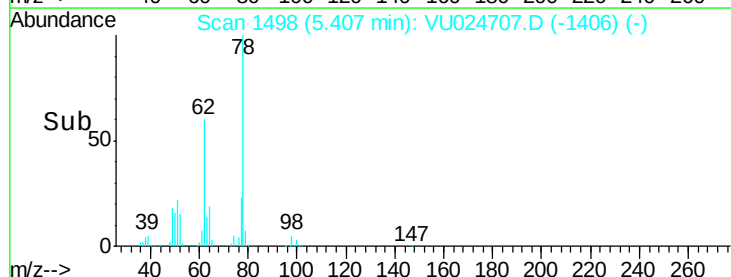
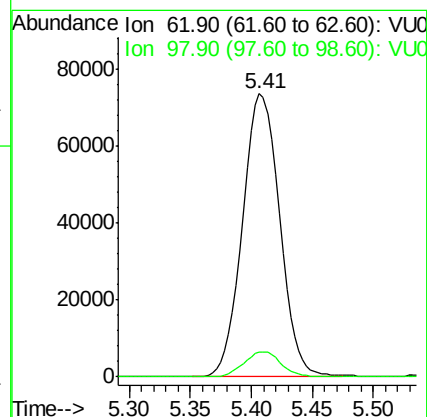
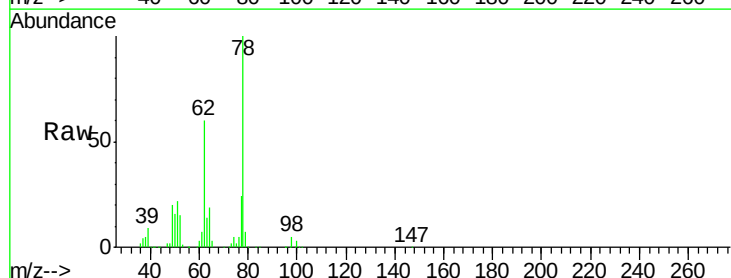
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

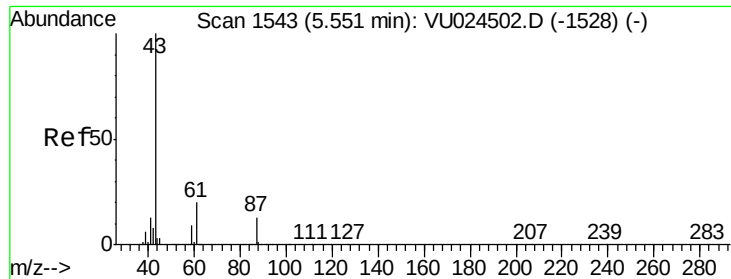
Tgt Ion:	41	Resp:	94764
Ion	Ratio	Lower	Upper
41	100		
39	55.8	43.8	65.6
67	74.5	56.3	84.5
52	30.6	23.2	34.8



#42
1,2-Dichloroethane
Concen: 47.215 ug/l
RT: 5.41 min Scan# 1498
Delta R.T. -0.00 min
Lab File: VU024707.D
Acq: 18 Jun 2018 21:28

Tgt Ion:	62	Resp:	155368
Ion	Ratio	Lower	Upper
62	100		
98	8.7	0.0	16.6





#43

Isopropyl Acetate

Concen: 49.257 ug/l

RT: 5.55 min Scan# 1542

Delta R.T. -0.00 min

Lab File: VU024707.D

Acq: 18 Jun 2018 21:28

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

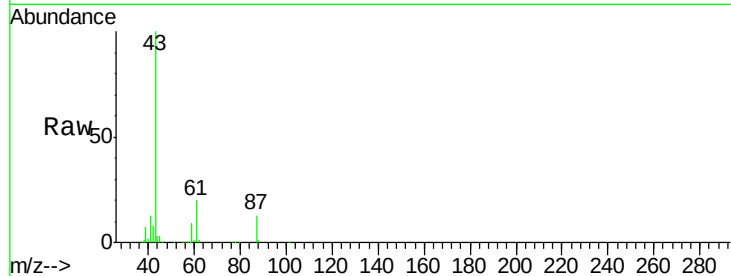
Tgt Ion: 43 Resp: 281381

Ion Ratio Lower Upper

43 100

61 20.2 15.4 23.0

87 13.1 10.0 15.0

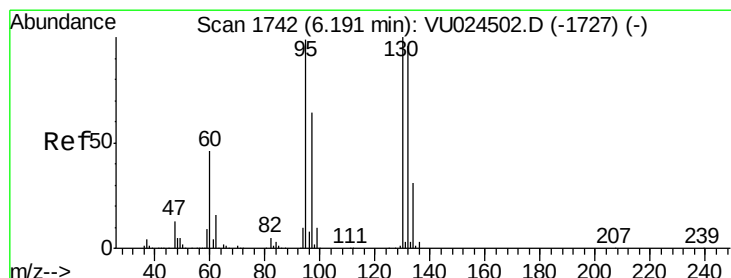
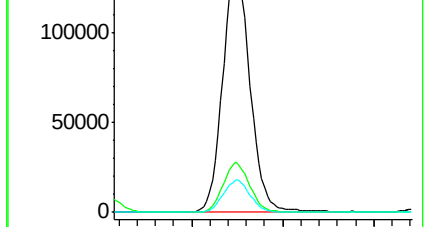
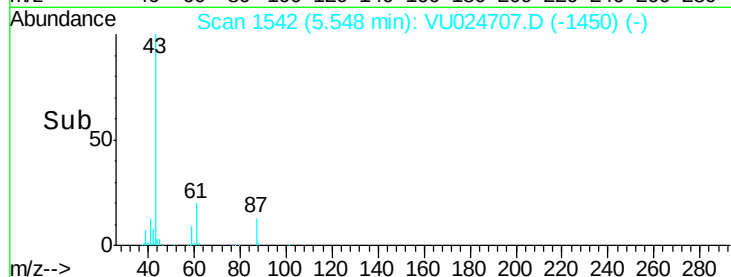


Abundance Ion 43.00 (42.70 to 43.70): VU024502.D (-1528) (-)

Ion 61.00 (60.70 to 61.70): VU024502.D (-1528) (-)

Ion 87.00 (86.70 to 87.70): VU024502.D (-1528) (-)

Time-->



#44

Trichloroethene

Concen: 46.042 ug/l

RT: 6.19 min Scan# 1742

Delta R.T. 0.00 min

Lab File: VU024707.D

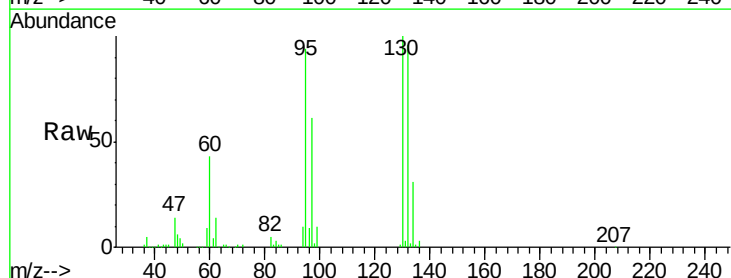
Acq: 18 Jun 2018 21:28

Tgt Ion: 130 Resp: 113214

Ion Ratio Lower Upper

130 100

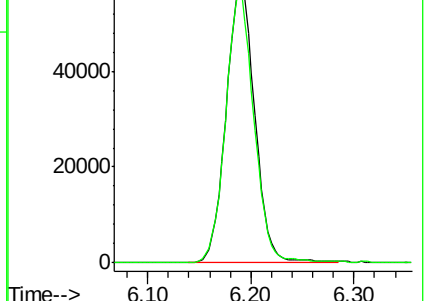
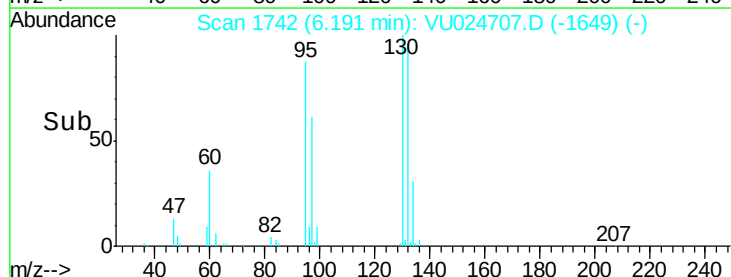
95 93.7 0.0 202.4

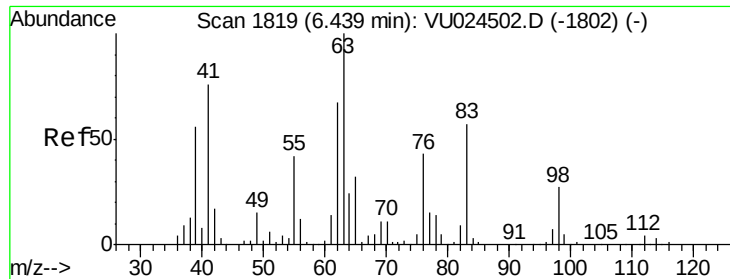


Abundance Ion 129.80 (129.50 to 130.50): VU024502.D (-1727) (-)

Ion 94.90 (94.60 to 95.60): VU024502.D (-1727) (-)

Time-->





#45

1,2-Dichloropropane

Concen: 49.738 ug/l

RT: 6.44 min Scan# 1818

Delta R.T. -0.00 min

Lab File: VU024707.D

Acq: 18 Jun 2018 21:28

Instrument :

MSVOA_U

ClientSampleId :

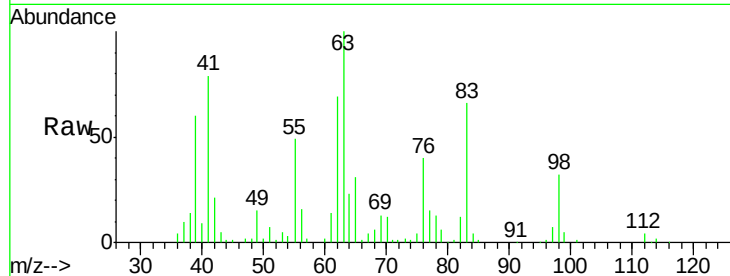
VSTDCCC050EC

Tgt Ion: 63 Resp: 114664

Ion Ratio Lower Upper

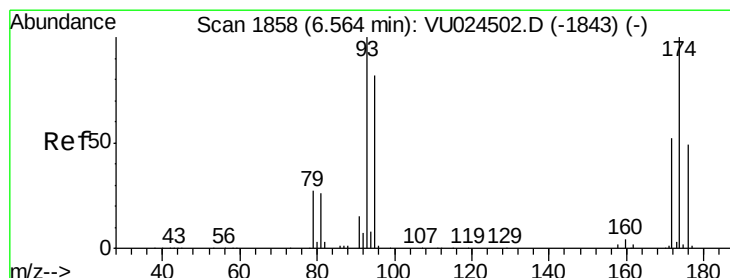
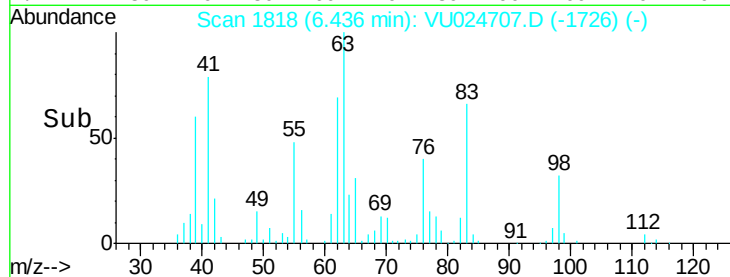
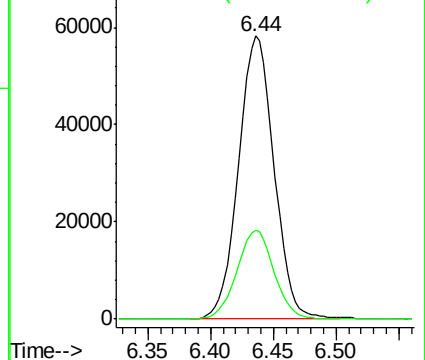
63 100

65 31.3 24.8 37.2



Abundance Ion 62.90 (62.60 to 63.60): VU024707.D (-1726) (-)

Ion 64.90 (64.60 to 65.60): VU024707.D (-1726) (-)



#46

Dibromomethane

Concen: 49.168 ug/l

RT: 6.56 min Scan# 1858

Delta R.T. 0.00 min

Lab File: VU024707.D

Acq: 18 Jun 2018 21:28

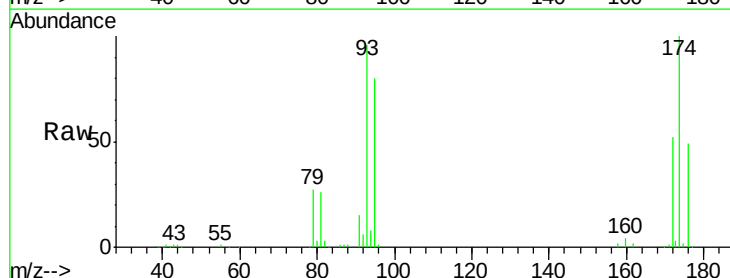
Tgt Ion: 93 Resp: 79618

Ion Ratio Lower Upper

93 100

95 84.1 65.5 98.3

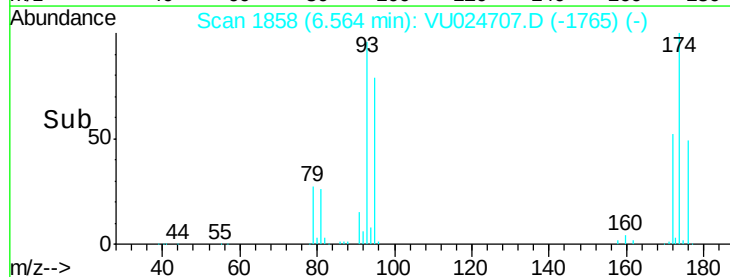
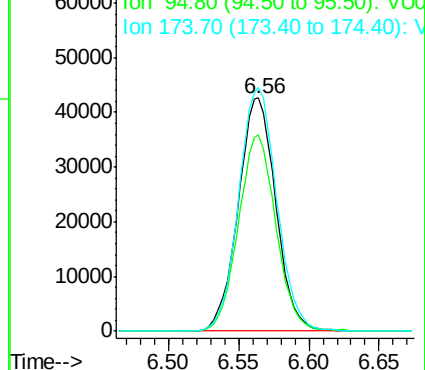
174 105.9 78.7 118.1

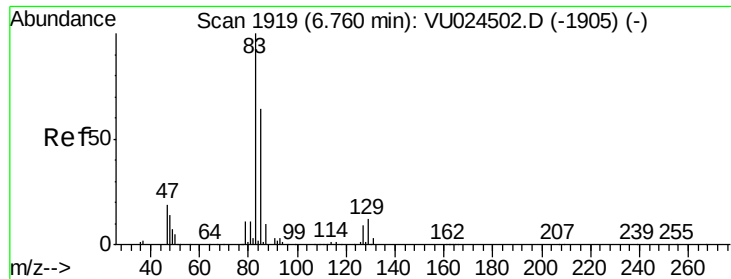


Abundance Ion 92.80 (92.50 to 93.50): VU024707.D (-1765) (-)

Ion 94.80 (94.50 to 95.50): VU024707.D (-1765) (-)

Ion 173.70 (173.40 to 174.40): VU024707.D (-1765) (-)





#47

Bromodichloromethane

Concen: 48.258 ug/l

RT: 6.76 min Scan# 1919

Delta R.T. 0.00 min

Lab File: VU024707.D

Acq: 18 Jun 2018 21:28

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

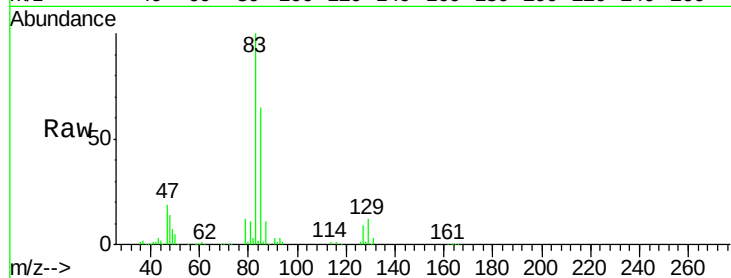
Tgt Ion: 83 Resp: 155607

Ion Ratio Lower Upper

83 100

85 64.5 51.9 77.9

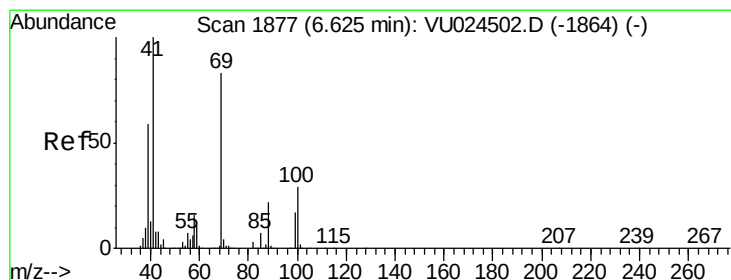
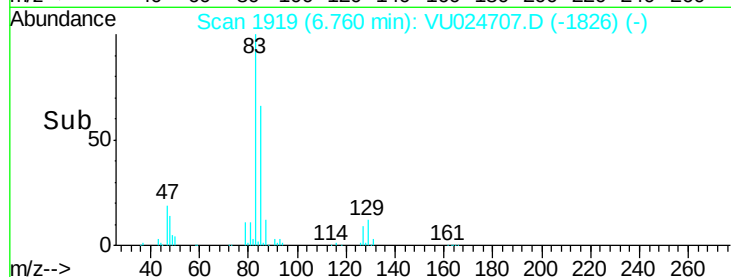
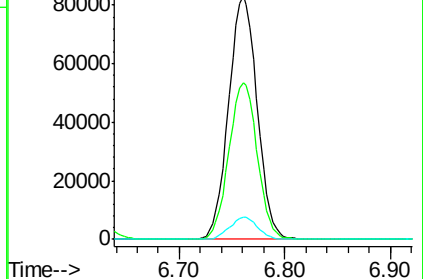
127 9.1 6.6 9.8



Abundance Ion 82.90 (82.60 to 83.60): VU024707.D (-1826) (-)

Ion 84.90 (84.60 to 85.60): VU024707.D (-1826) (-)

Ion 126.80 (126.50 to 127.50): VU024707.D (-1826) (-)



#48

Methyl methacrylate

Concen: 50.047 ug/l

RT: 6.63 min Scan# 1877

Delta R.T. 0.00 min

Lab File: VU024707.D

Acq: 18 Jun 2018 21:28

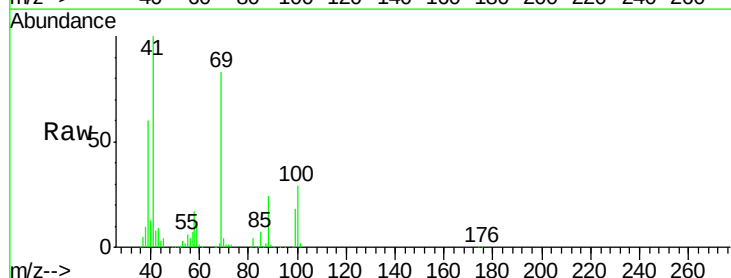
Tgt Ion: 41 Resp: 139215

Ion Ratio Lower Upper

41 100

69 85.4 67.3 100.9

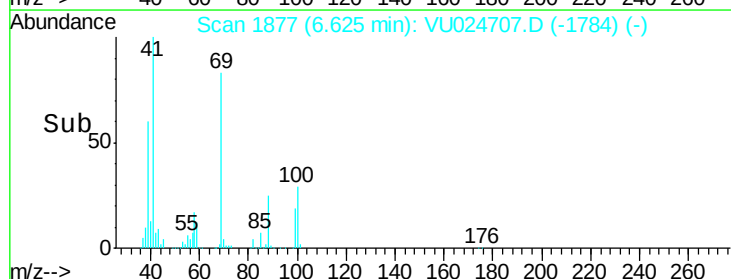
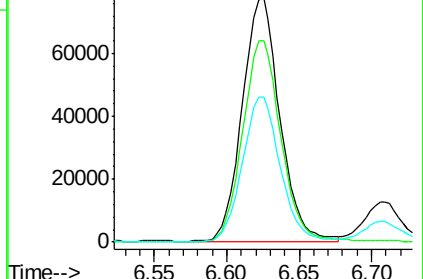
39 59.9 46.5 69.7

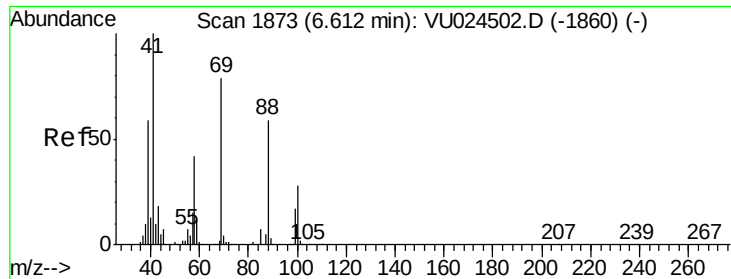


Abundance Ion 41.00 (40.70 to 41.70): VU024707.D (-1784) (-)

Ion 69.00 (68.70 to 69.70): VU024707.D (-1784) (-)

Ion 39.00 (38.70 to 39.70): VU024707.D (-1784) (-)

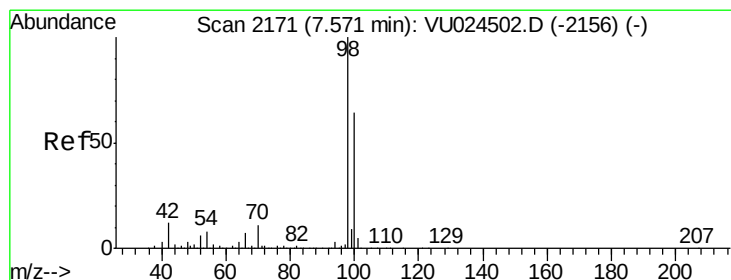
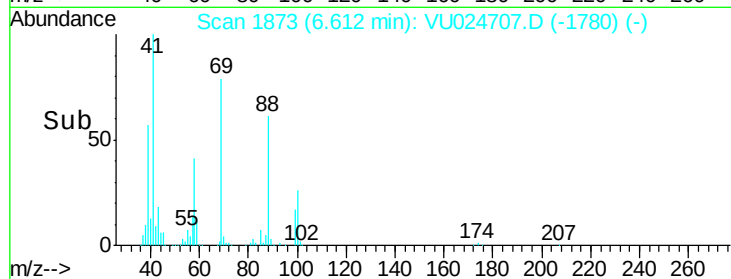
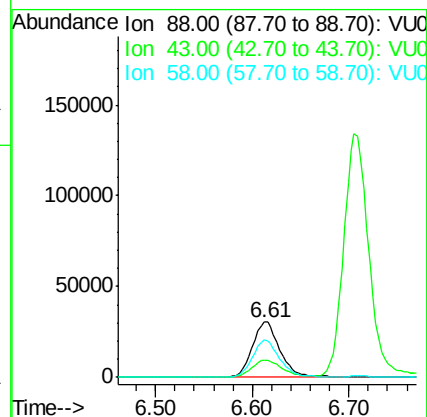
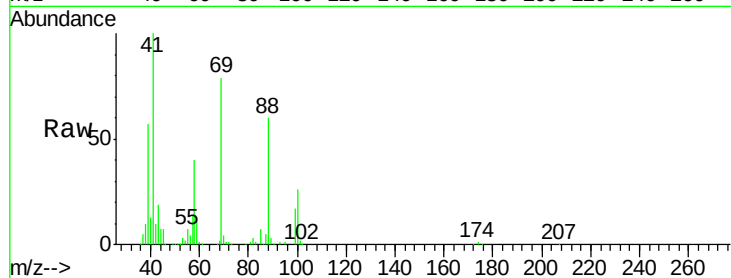




#49
 1,4-Dioxane
 Concen: 1113.768 ug/l
 RT: 6.61 min Scan# 1873
 Delta R.T. 0.00 min
 Lab File: VU024707.D
 Acq: 18 Jun 2018 21:28

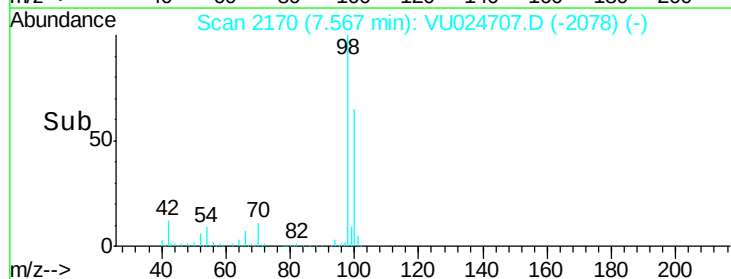
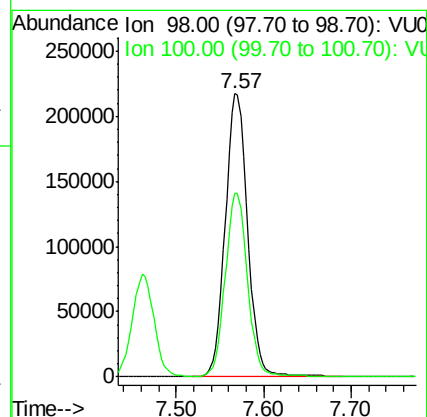
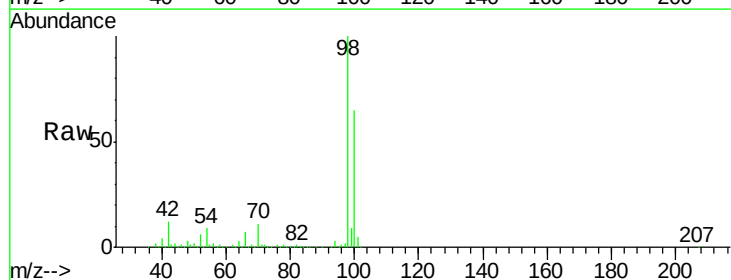
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

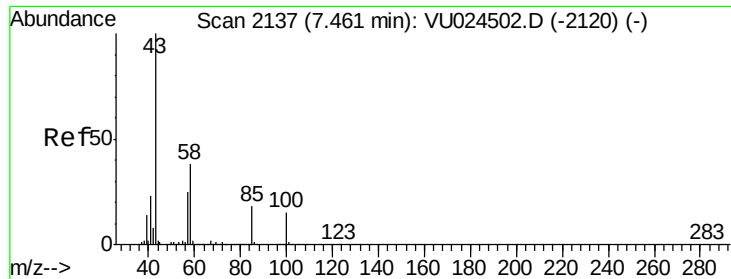
Tgt Ion: 88 Resp: 60588
 Ion Ratio Lower Upper
 88 100
 43 31.9 28.6 42.8
 58 66.3 58.2 87.4



#50
 Toluene-d8
 Concen: 49.631 ug/l
 RT: 7.57 min Scan# 2170
 Delta R.T. -0.00 min
 Lab File: VU024707.D
 Acq: 18 Jun 2018 21:28

Tgt Ion: 98 Resp: 387687
 Ion Ratio Lower Upper
 98 100
 100 64.1 51.1 76.7

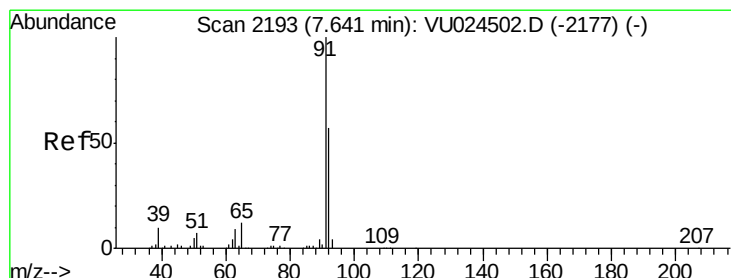
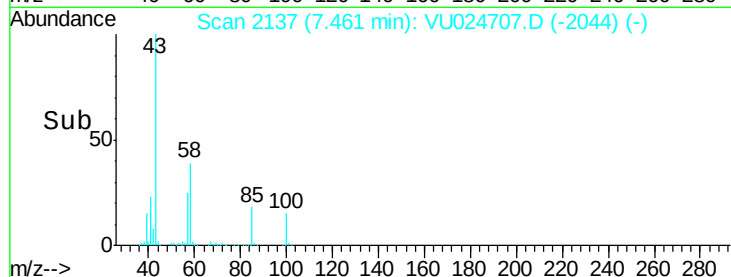
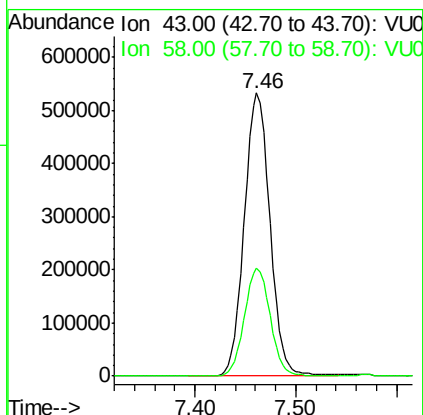
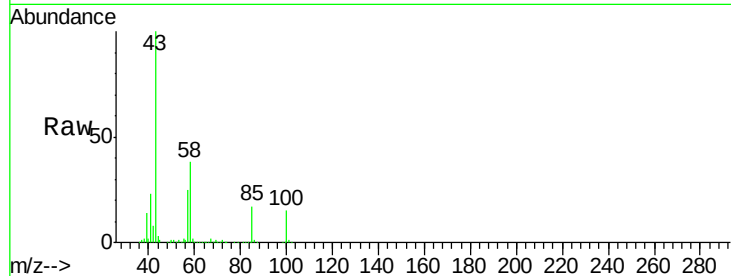




#51
 4-Methyl-2-Pentanone
 Concen: 260.303 ug/l
 RT: 7.46 min Scan# 2137
 Delta R.T. 0.00 min
 Lab File: VU024707.D
 Acq: 18 Jun 2018 21:28

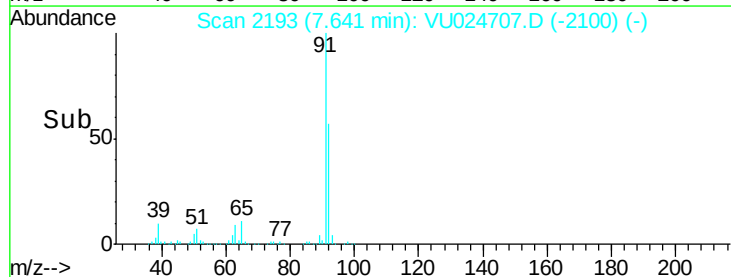
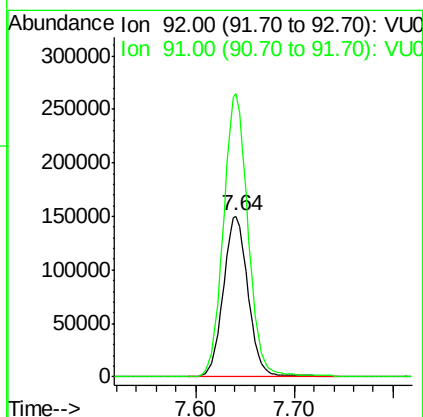
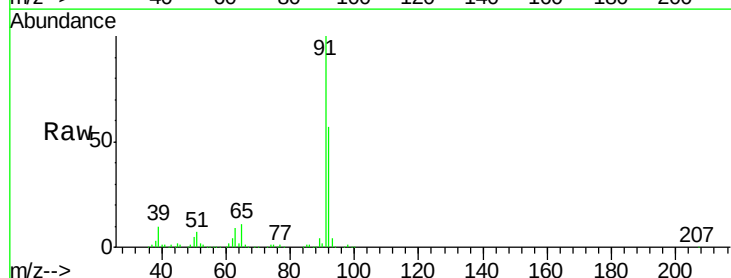
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

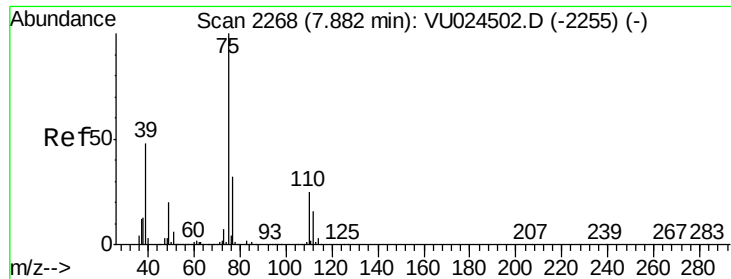
Tgt Ion: 43 Resp: 934206
 Ion Ratio Lower Upper
 43 100
 58 38.3 30.0 45.0



#52
 Toluene
 Concen: 47.779 ug/l
 RT: 7.64 min Scan# 2193
 Delta R.T. 0.00 min
 Lab File: VU024707.D
 Acq: 18 Jun 2018 21:28

Tgt Ion: 92 Resp: 265588
 Ion Ratio Lower Upper
 92 100
 91 175.4 140.5 210.7





#53

t-1,3-Dichloropropene

Concen: 42.848 ug/l

RT: 7.88 min Scan# 2268

Delta R.T. 0.00 min

Lab File: VU024707.D

Acq: 18 Jun 2018 21:28

Instrument :

MSVOA_U

ClientSampleId :

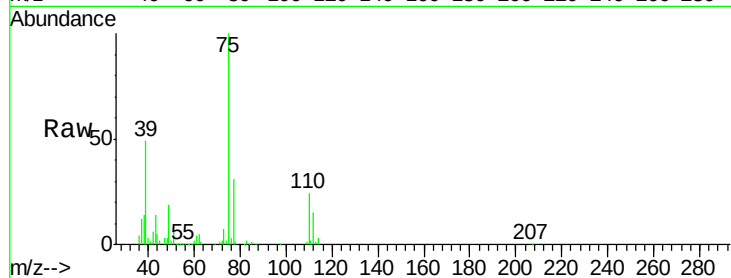
VSTDCCC050EC

Tgt Ion: 75 Resp: 155160

Ion Ratio Lower Upper

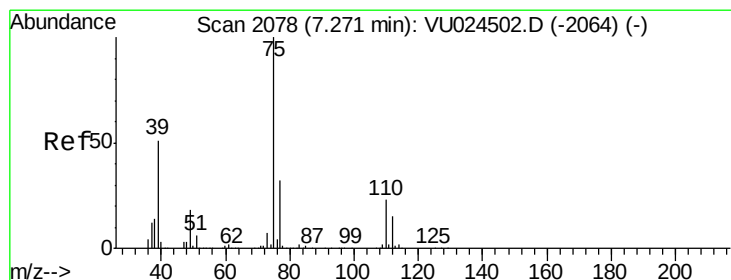
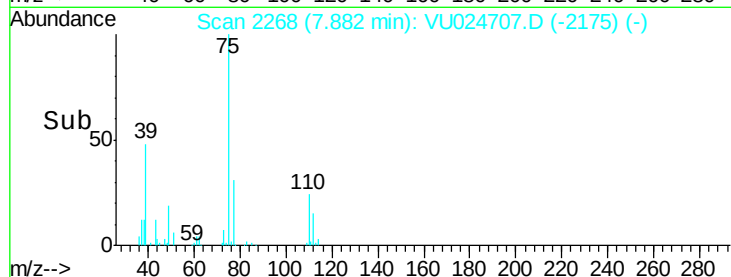
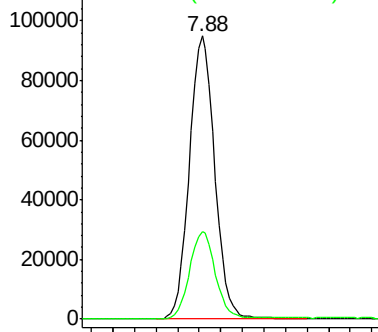
75 100

77 31.0 24.8 37.2



Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 76.90 (76.60 to 77.60): VU0



#54

cis-1,3-Dichloropropene

Concen: 40.117 ug/l

RT: 7.27 min Scan# 2078

Delta R.T. 0.00 min

Lab File: VU024707.D

Acq: 18 Jun 2018 21:28

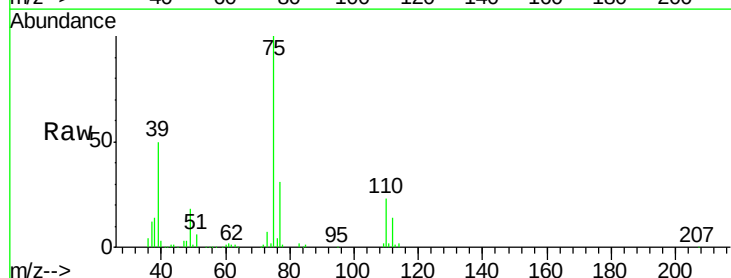
Tgt Ion: 75 Resp: 154793

Ion Ratio Lower Upper

75 100

77 31.4 24.6 36.8

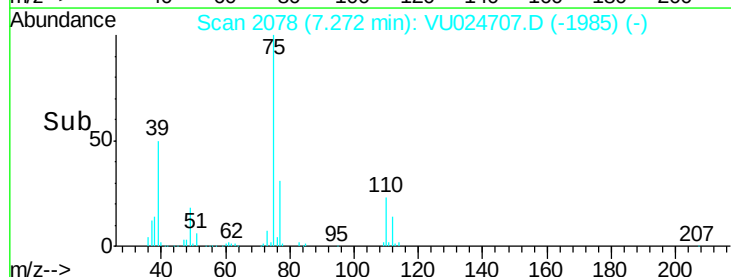
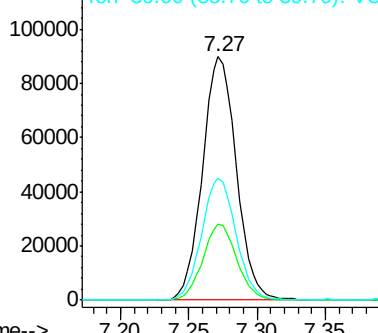
39 50.3 39.8 59.6

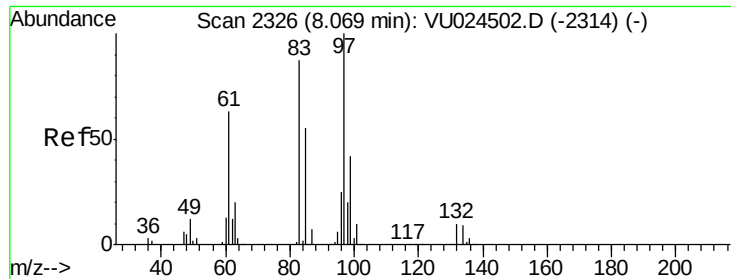


Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 76.90 (76.60 to 77.60): VU0

Ion 39.00 (38.70 to 39.70): VU0

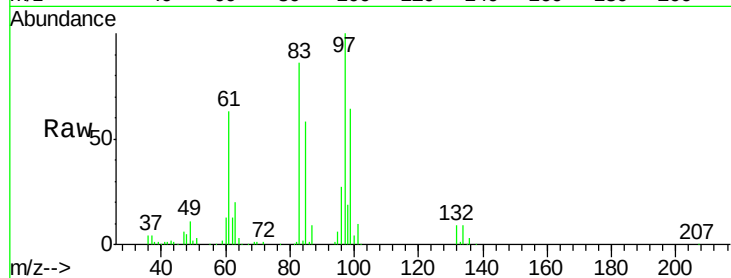




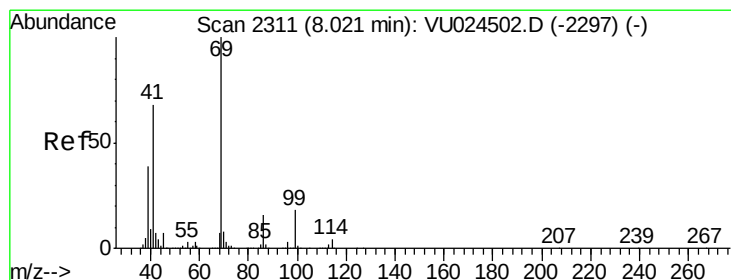
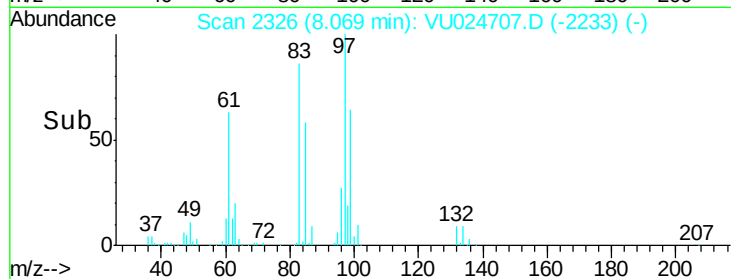
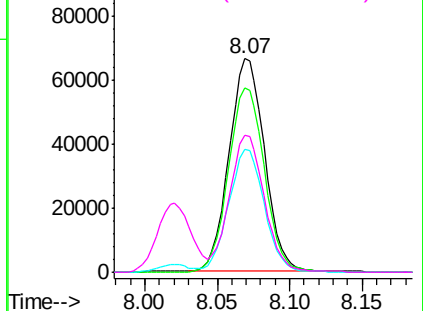
#55
 1,1,2-Trichloroethane
 Concen: 49.921 ug/l
 RT: 8.07 min Scan# 2326
 Delta R.T. 0.00 min
 Lab File: VU024707.D
 Acq: 18 Jun 2018 21:28

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tgt Ion:	97	Resp:	112799
Ion	Ratio	Lower	Upper
97	100		
83	86.5	70.5	105.7
85	57.6	46.4	69.6
99	64.0	50.2	75.2

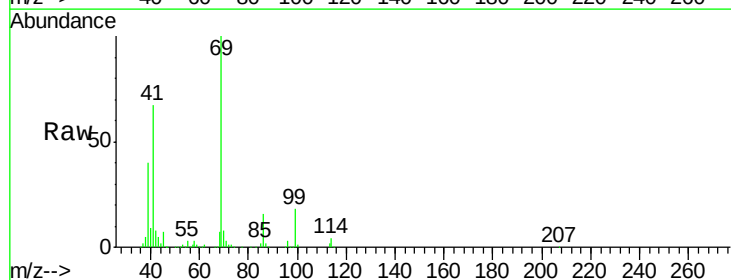


Abundance Ion 96.90 (96.60 to 97.60): VU0
 Ion 82.90 (82.60 to 83.60): VU0
 Ion 84.90 (84.60 to 85.60): VU0
 Ion 98.90 (98.60 to 99.60): VU0

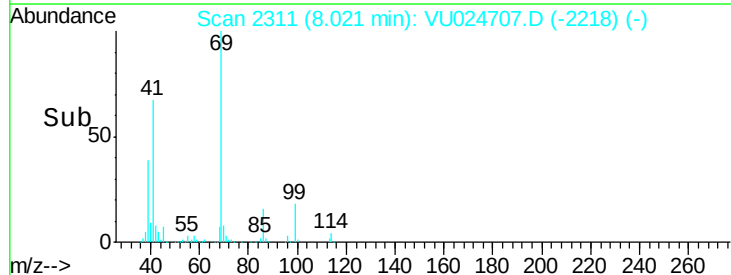
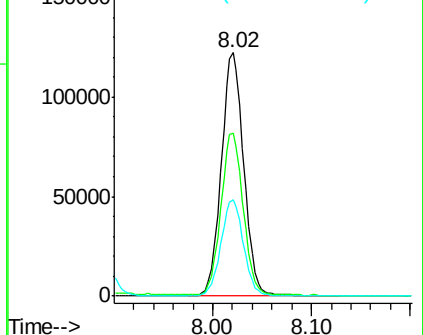


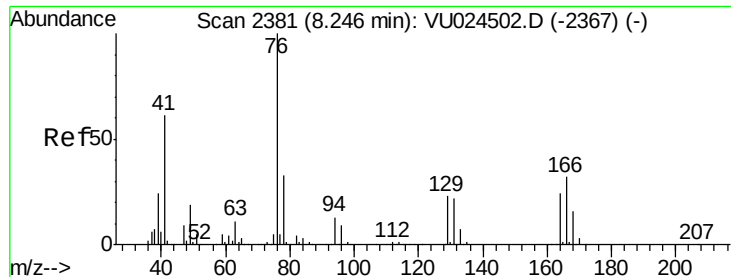
#56
 Ethyl methacrylate
 Concen: 51.856 ug/l
 RT: 8.02 min Scan# 2311
 Delta R.T. 0.00 min
 Lab File: VU024707.D
 Acq: 18 Jun 2018 21:28

Tgt Ion:	69	Resp:	196114
Ion	Ratio	Lower	Upper
69	100		
41	65.2	54.1	81.1
39	39.0	30.3	45.5



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

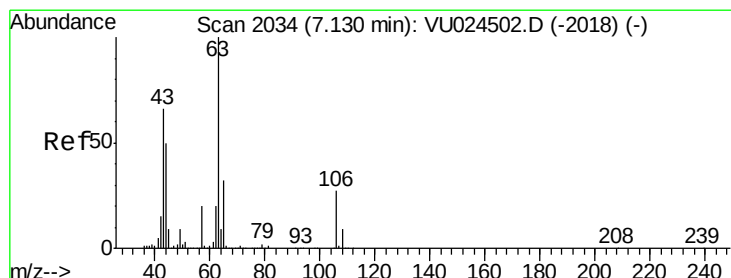
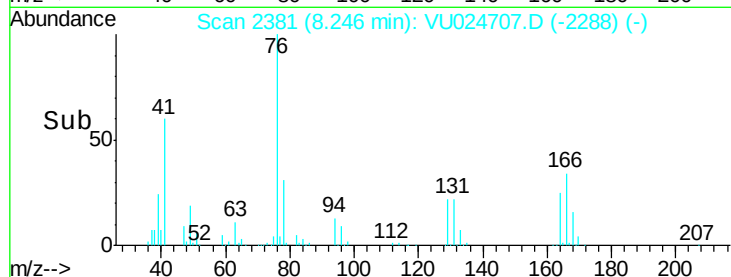
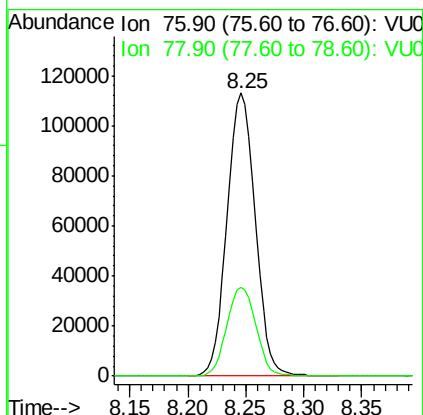
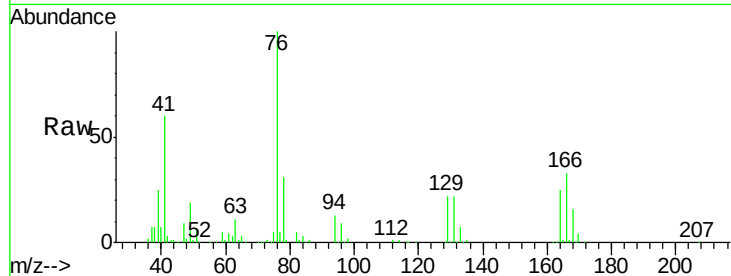




#57
 1,3-Dichloropropane
 Concen: 49.951 ug/l
 RT: 8.25 min Scan# 2381
 Delta R.T. 0.00 min
 Lab File: VU024707.D
 Acq: 18 Jun 2018 21:28

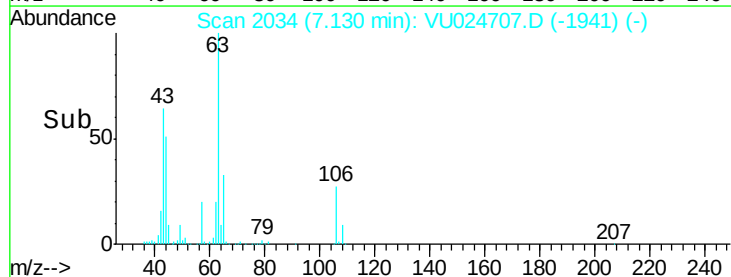
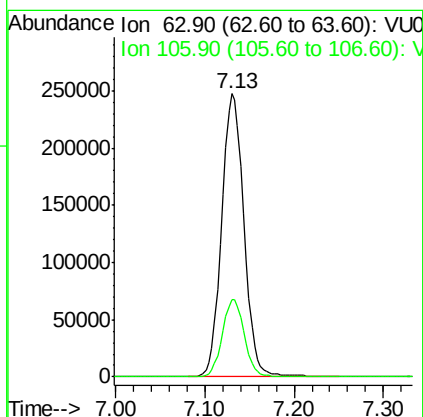
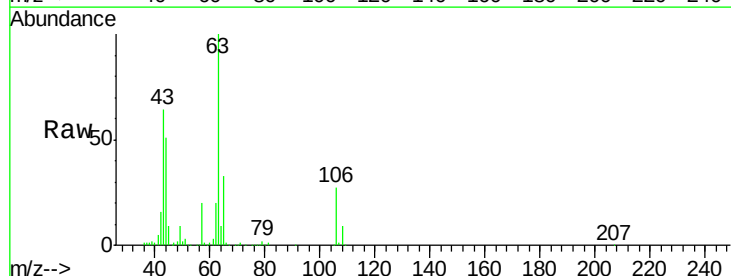
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

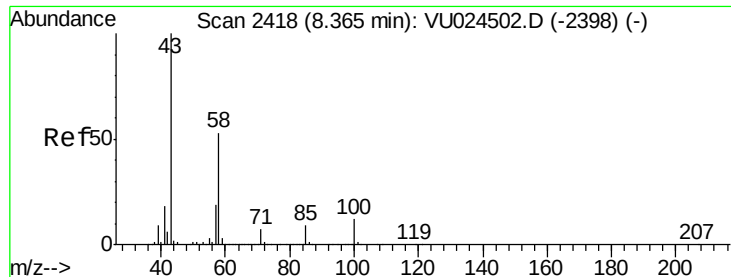
Tgt Ion: 76 Resp: 190395
 Ion Ratio Lower Upper
 76 100
 78 32.4 25.2 37.8



#58
 2-Chloroethyl Vinyl ether
 Concen: 294.873 ug/l
 RT: 7.13 min Scan# 2034
 Delta R.T. 0.00 min
 Lab File: VU024707.D
 Acq: 18 Jun 2018 21:28

Tgt Ion: 63 Resp: 427228
 Ion Ratio Lower Upper
 63 100
 106 27.0 20.2 30.2

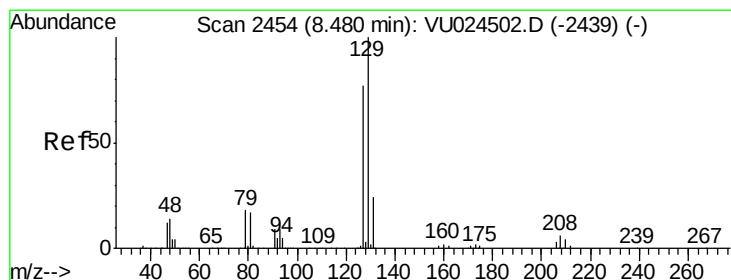
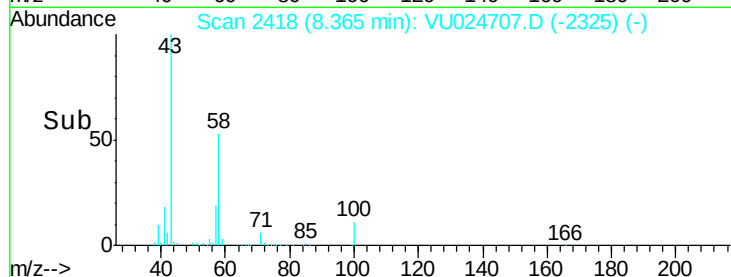
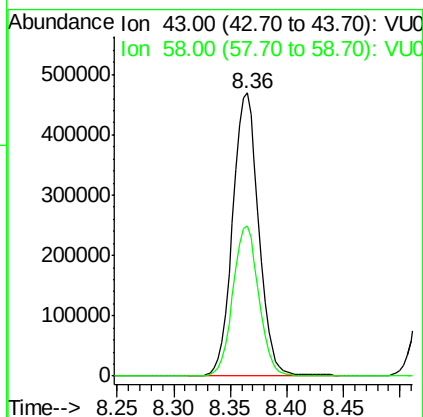
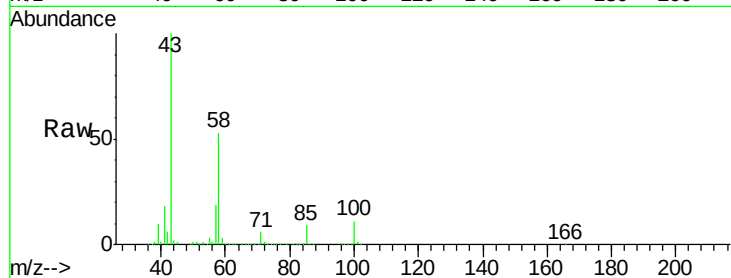




#59
2-Hexanone
Concen: 256.199 ug/l
RT: 8.36 min Scan# 2418
Delta R.T. 0.00 min
Lab File: VU024707.D
Acq: 18 Jun 2018 21:28

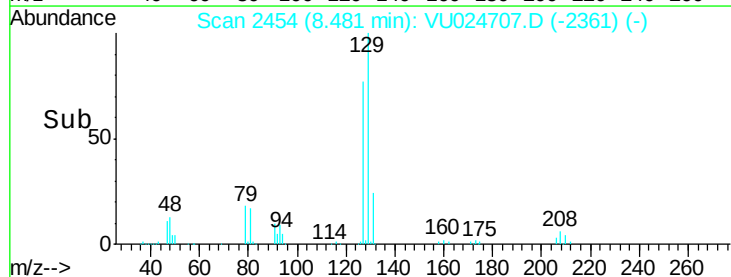
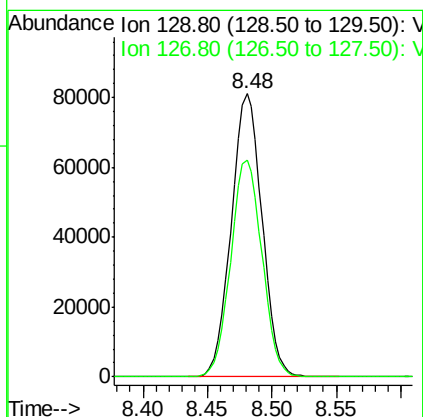
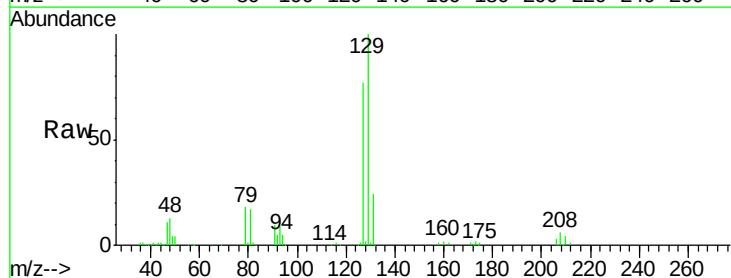
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

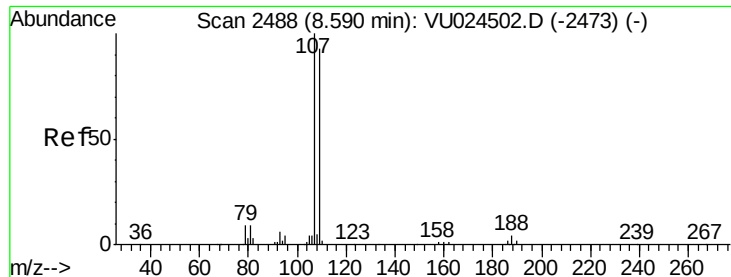
Tgt Ion: 43 Resp: 750667
Ion Ratio Lower Upper
43 100
58 53.1 26.4 79.0



#60
Dibromochloromethane
Concen: 47.776 ug/l
RT: 8.48 min Scan# 2454
Delta R.T. 0.00 min
Lab File: VU024707.D
Acq: 18 Jun 2018 21:28

Tgt Ion: 129 Resp: 134616
Ion Ratio Lower Upper
129 100
127 77.7 38.6 116.0





#61

1,2-Dibromoethane

Concen: 50.461 ug/l

RT: 8.59 min Scan# 2488

Delta R.T. 0.00 min

Lab File: VU024707.D

Acq: 18 Jun 2018 21:28

Instrument :

MSVOA_U

ClientSampleId :

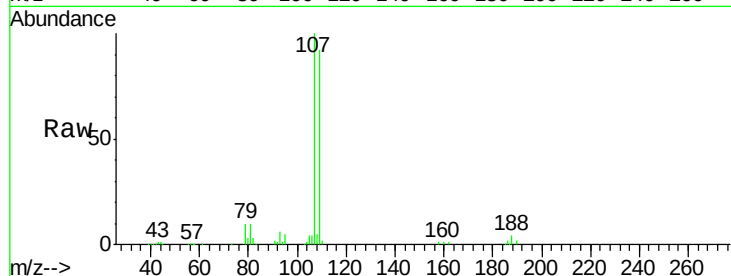
VSTDCCC050EC

Tgt Ion: 107 Resp: 126906

Ion Ratio Lower Upper

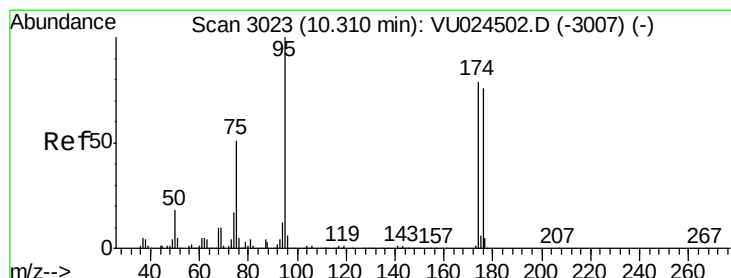
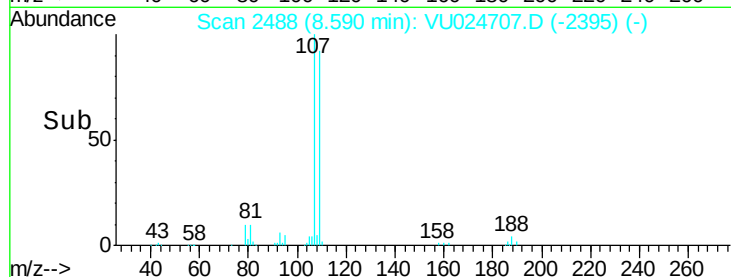
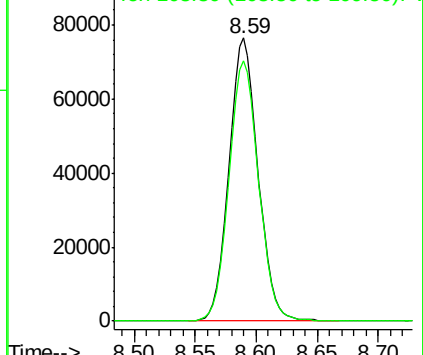
107 100

109 93.9 74.5 111.7



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 48.080 ug/l

RT: 10.31 min Scan# 3023

Delta R.T. 0.00 min

Lab File: VU024707.D

Acq: 18 Jun 2018 21:28

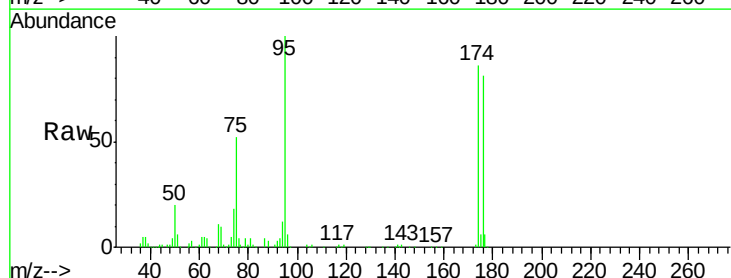
Tgt Ion: 95 Resp: 149116

Ion Ratio Lower Upper

95 100

174 84.8 0.0 165.8

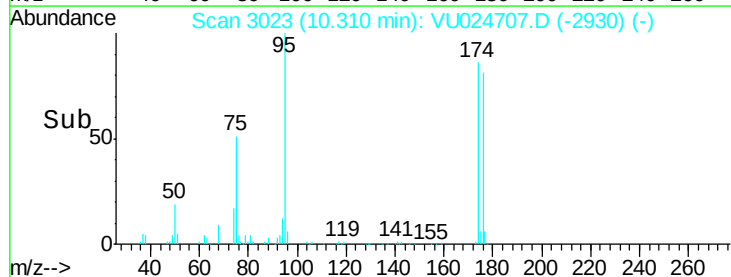
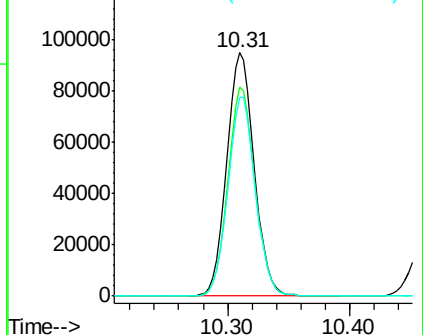
176 81.6 0.0 159.4

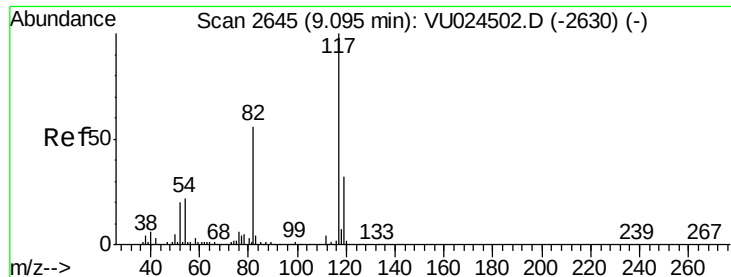


Abundance Ion 94.90 (94.60 to 95.60): VU0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

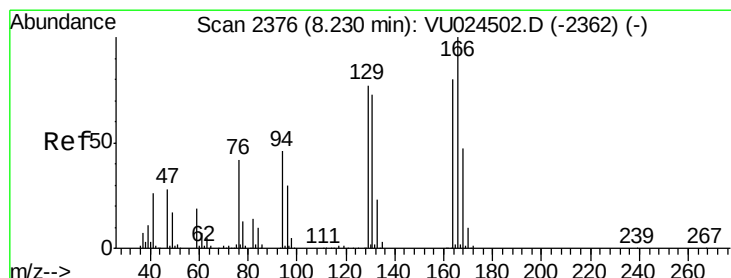
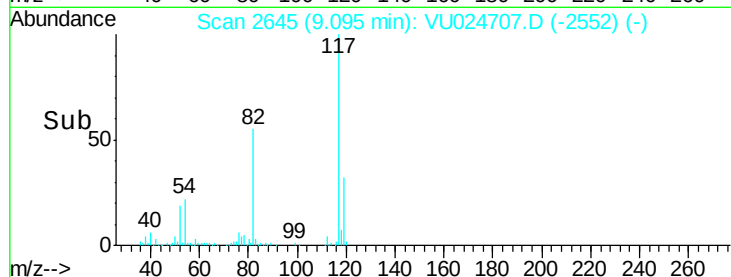
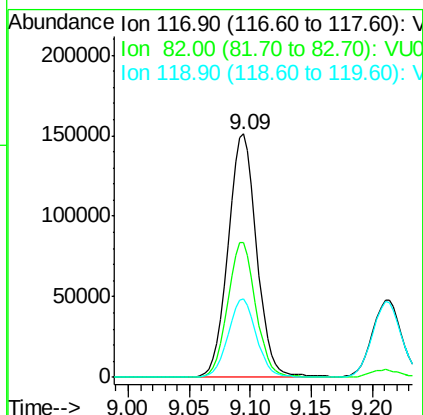
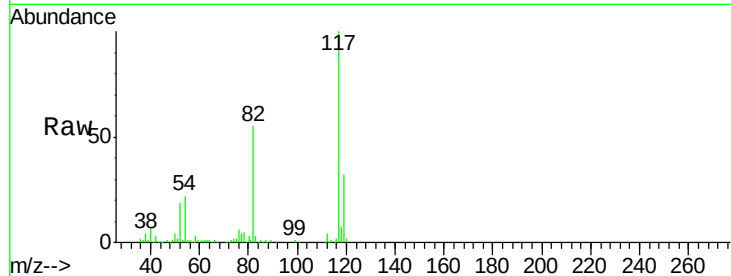




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.09 min Scan# 2645
Delta R.T. 0.00 min
Lab File: VU024707.D
Acq: 18 Jun 2018 21:28

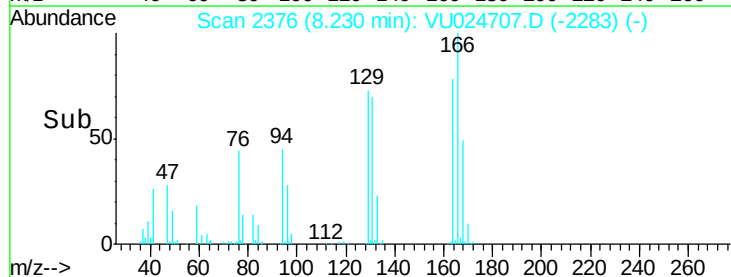
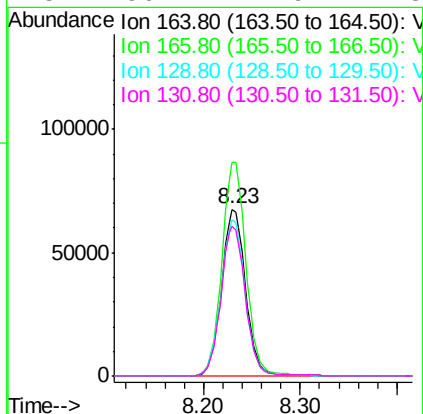
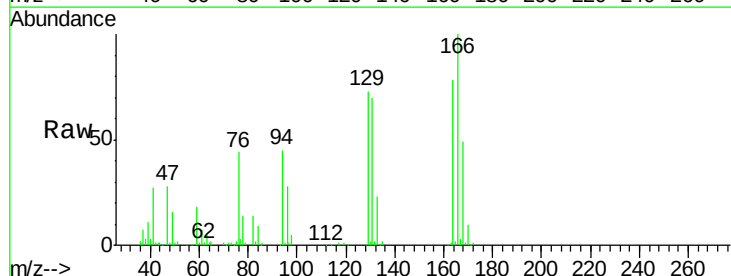
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

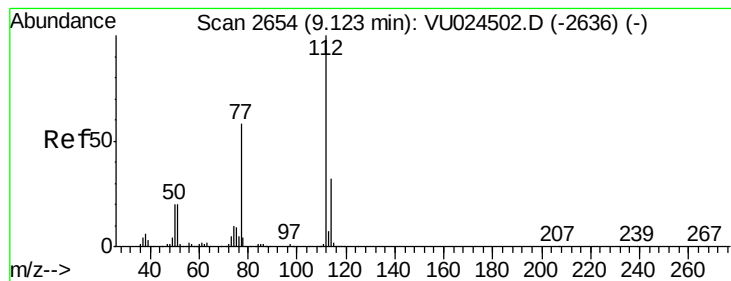
Tgt Ion:117 Resp: 248318
Ion Ratio Lower Upper
117 100
82 55.5 44.3 66.5
119 32.3 25.4 38.2



#64
Tetrachloroethene
Concen: 49.569 ug/l
RT: 8.23 min Scan# 2376
Delta R.T. 0.00 min
Lab File: VU024707.D
Acq: 18 Jun 2018 21:28

Tgt Ion:164 Resp: 117002
Ion Ratio Lower Upper
164 100
166 128.1 101.7 152.5
129 93.8 76.9 115.3
131 90.1 74.9 112.3





#65

Chlorobenzene

Concen: 48.135 ug/l

RT: 9.12 min Scan# 2654

Delta R.T. 0.00 min

Lab File: VU024707.D

Acq: 18 Jun 2018 21:28

Instrument :

MSVOA_U

ClientSampleId :

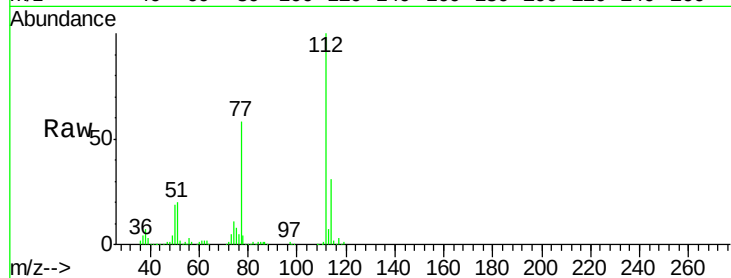
VSTDCCC050EC

Tgt Ion:112 Resp: 305349

Ion Ratio Lower Upper

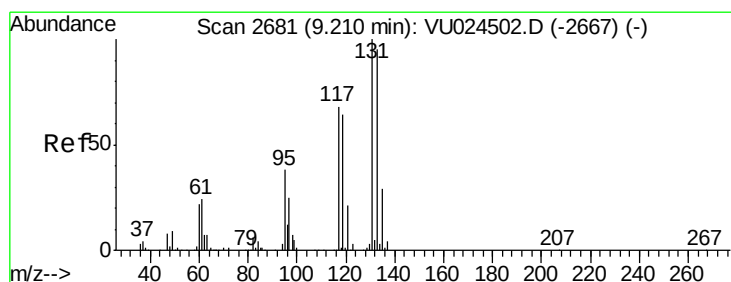
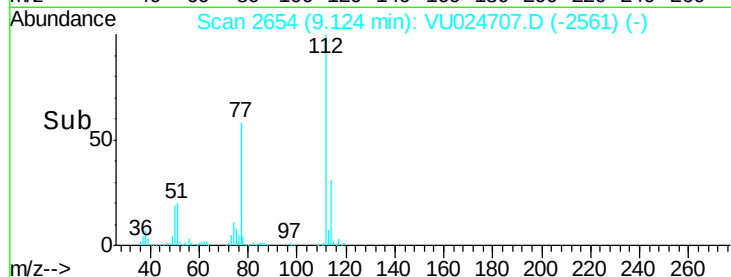
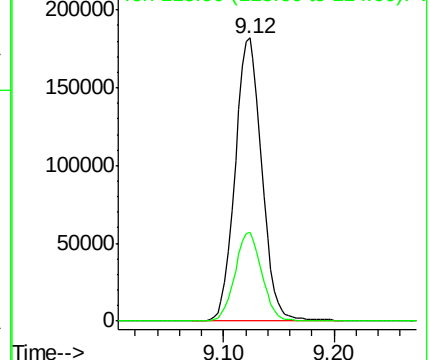
112 100

114 31.2 25.6 38.4



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: 48.399 ug/l

RT: 9.21 min Scan# 2681

Delta R.T. 0.00 min

Lab File: VU024707.D

Acq: 18 Jun 2018 21:28

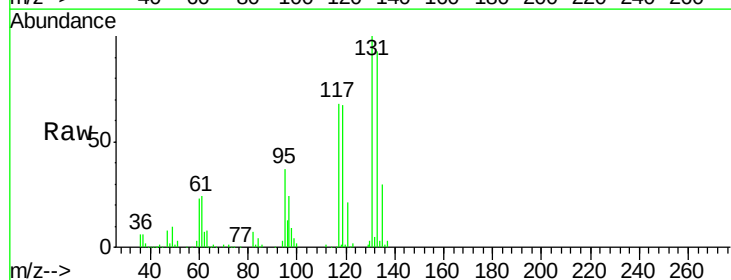
Tgt Ion:131 Resp: 116646

Ion Ratio Lower Upper

131 100

133 95.4 46.9 140.8

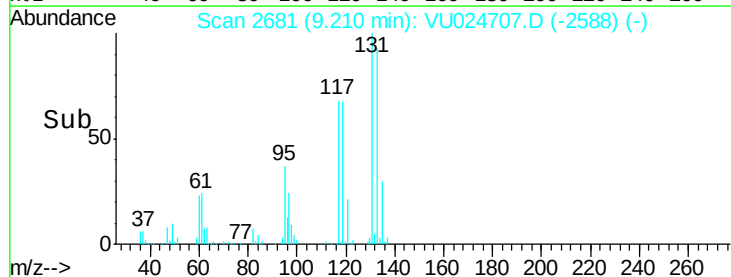
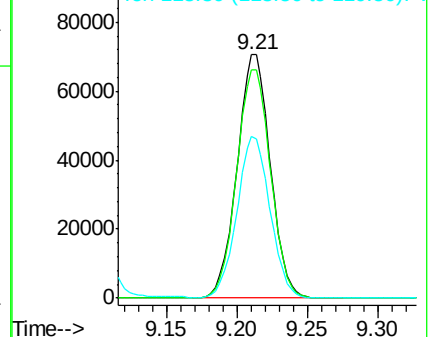
119 66.2 33.5 100.4

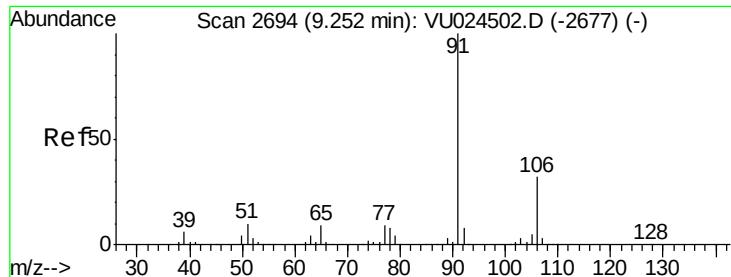


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





#67

Ethyl Benzene

Concen: 46.586 ug/l

RT: 9.25 min Scan# 2694

Delta R.T. 0.00 min

Lab File: VU024707.D

Acq: 18 Jun 2018 21:28

Instrument :

MSVOA_U

ClientSampleId :

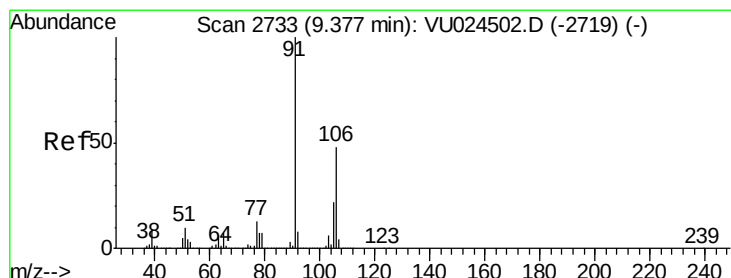
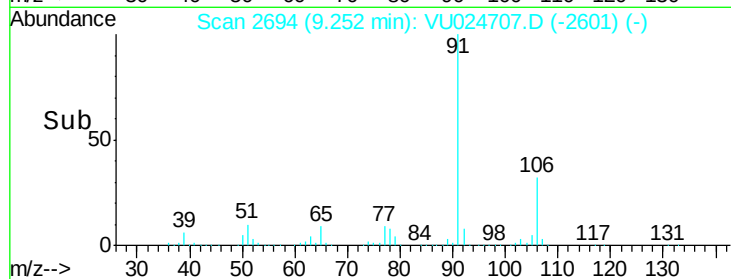
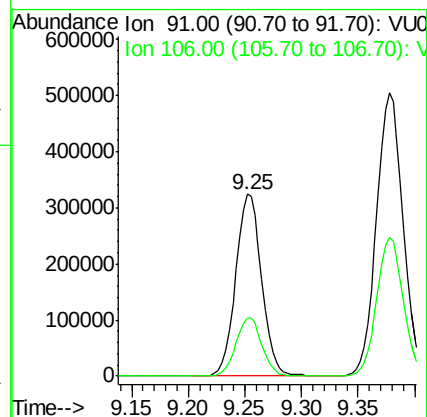
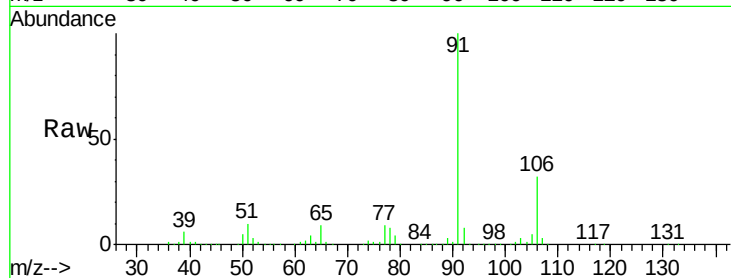
VSTDCCC050EC

Tgt Ion: 91 Resp: 518075

Ion Ratio Lower Upper

91 100

106 31.8 24.2 36.4



#68

m/p-Xylenes

Concen: 95.026 ug/l

RT: 9.38 min Scan# 2733

Delta R.T. 0.00 min

Lab File: VU024707.D

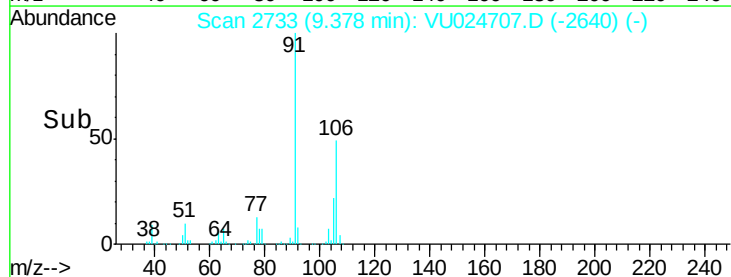
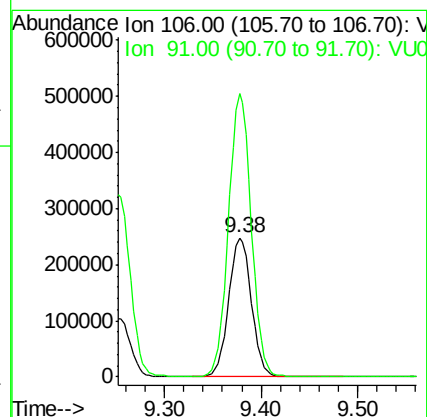
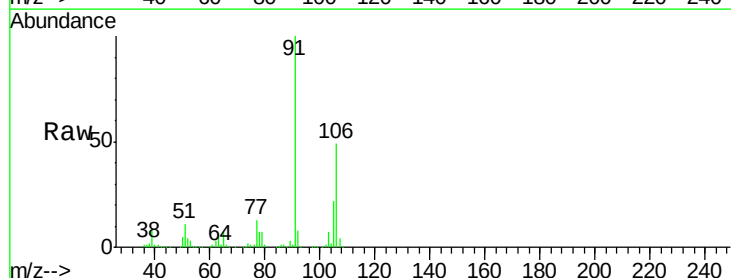
Acq: 18 Jun 2018 21:28

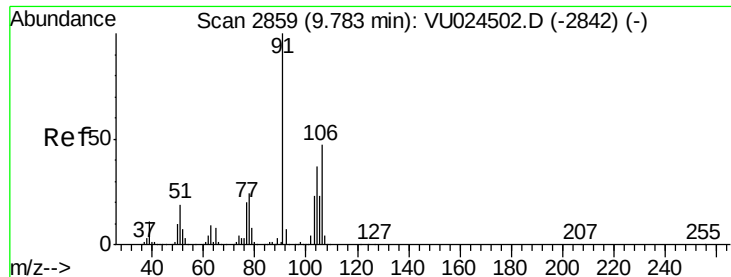
Tgt Ion: 106 Resp: 405799

Ion Ratio Lower Upper

106 100

91 203.3 166.5 249.7

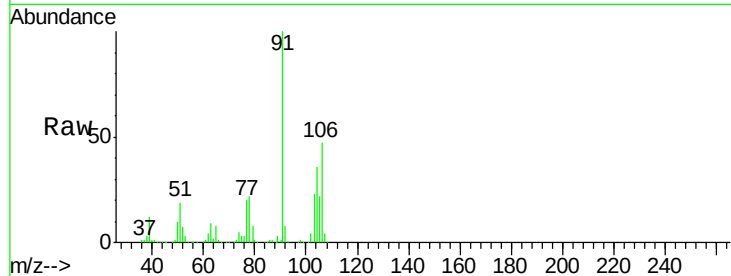




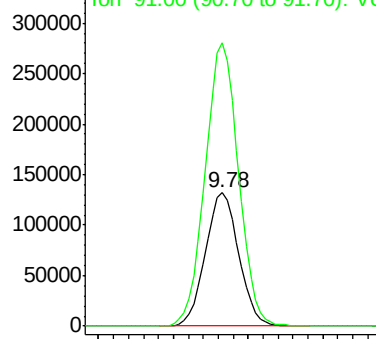
#69
o-Xylene
Concen: 48.327 ug/l
RT: 9.78 min Scan# 2859
Delta R.T. 0.00 min
Lab File: VU024707.D
Acq: 18 Jun 2018 21:28

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

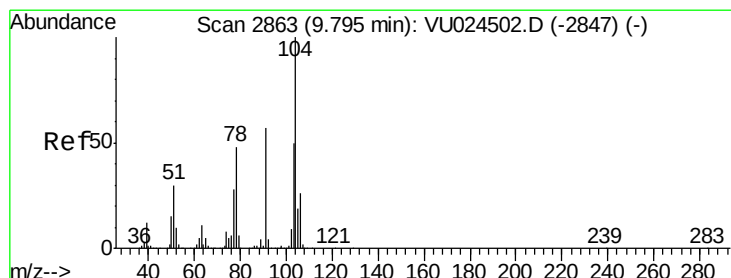
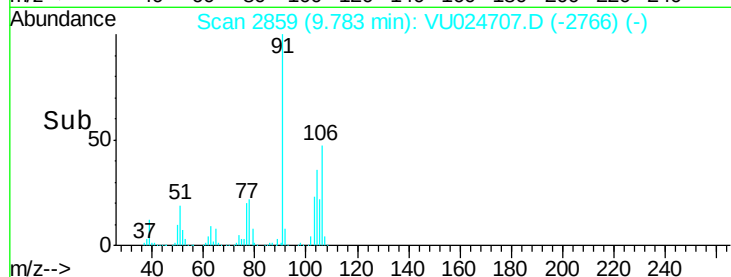
Tgt Ion:106 Resp: 204241
Ion Ratio Lower Upper
106 100
91 213.0 110.7 331.9



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

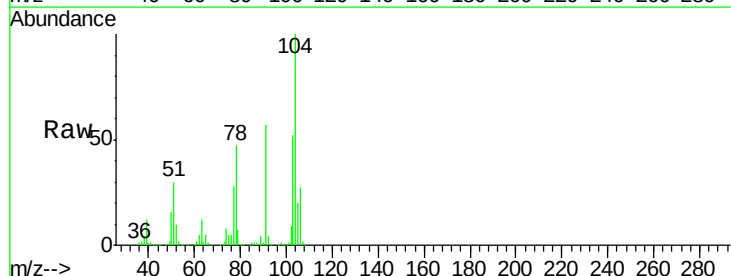


Time--> 9.70 9.75 9.80 9.85

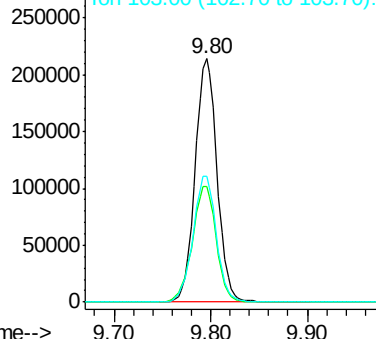


#70
Styrene
Concen: 48.454 ug/l
RT: 9.80 min Scan# 2863
Delta R.T. 0.00 min
Lab File: VU024707.D
Acq: 18 Jun 2018 21:28

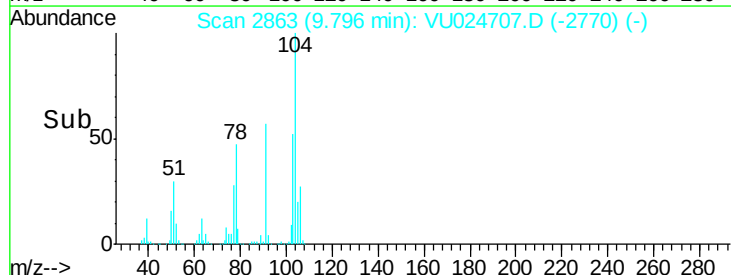
Tgt Ion:104 Resp: 336524
Ion Ratio Lower Upper
104 100
78 51.8 40.6 60.8
103 55.2 44.7 67.1

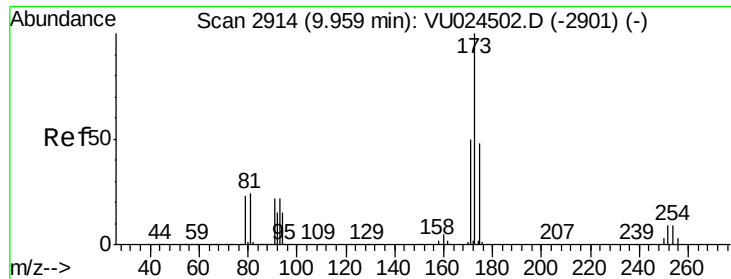


Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VU0
Ion 103.00 (102.70 to 103.70): V



Time--> 9.70 9.80 9.90





#71

Bromoform

Concen: 46.533 ug/l

RT: 9.96 min Scan# 2915

Delta R.T. 0.00 min

Lab File: VU024707.D

Acq: 18 Jun 2018 21:28

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

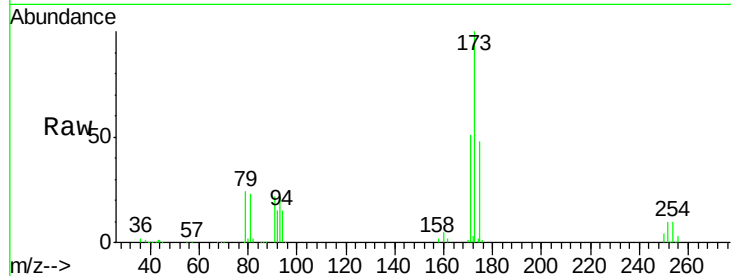
Tgt Ion:173 Resp: 106595

Ion Ratio Lower Upper

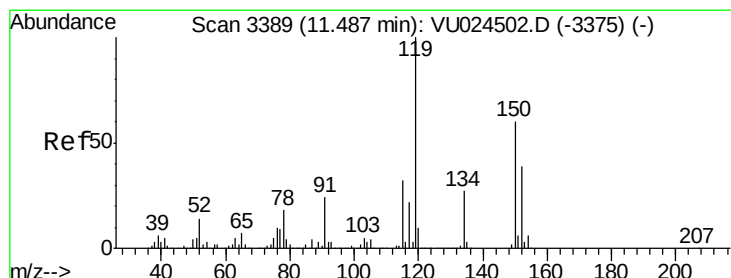
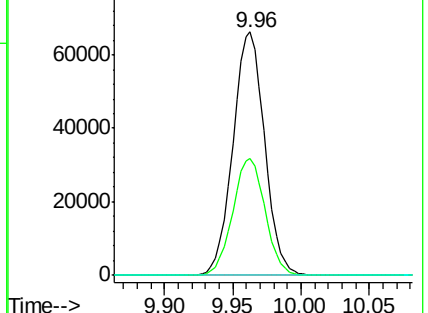
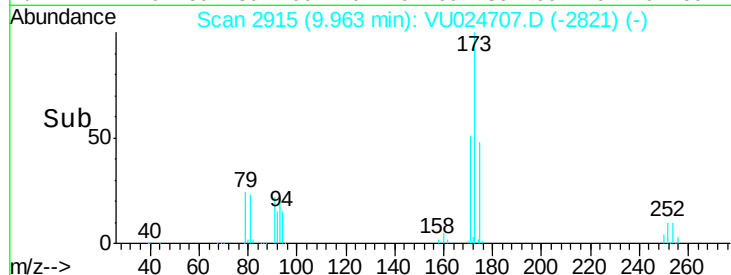
173 100

175 49.0 24.6 74.0

254 0.1 0.0 0.0#



Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 11.49 min Scan# 3389

Delta R.T. 0.00 min

Lab File: VU024707.D

Acq: 18 Jun 2018 21:28

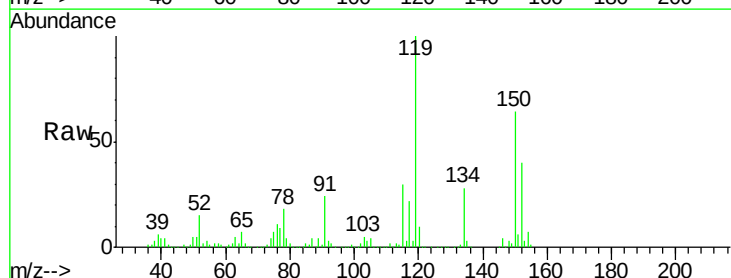
Tgt Ion:152 Resp: 147262

Ion Ratio Lower Upper

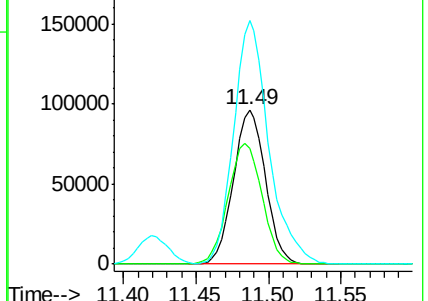
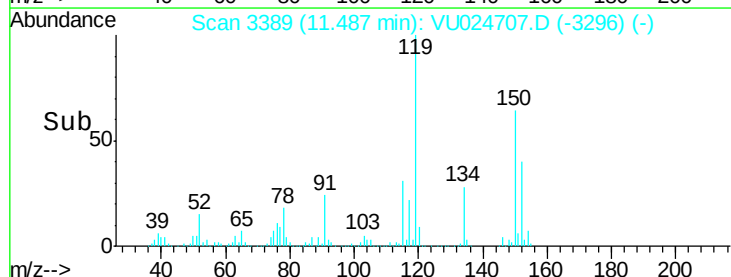
152 100

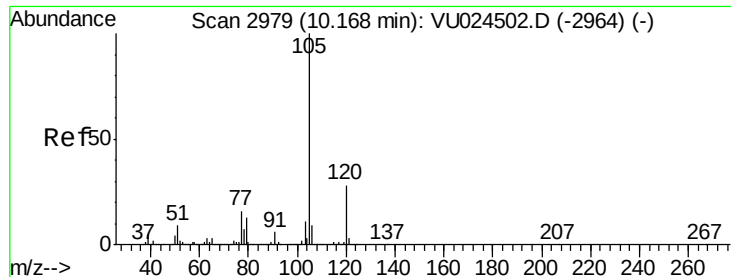
115 83.1 43.0 129.0

150 173.7 0.0 354.0



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: 48.189 ug/l

RT: 10.17 min Scan# 2979

Delta R.T. 0.00 min

Lab File: VU024707.D

Acq: 18 Jun 2018 21:28

Instrument :

MSVOA_U

ClientSampleId :

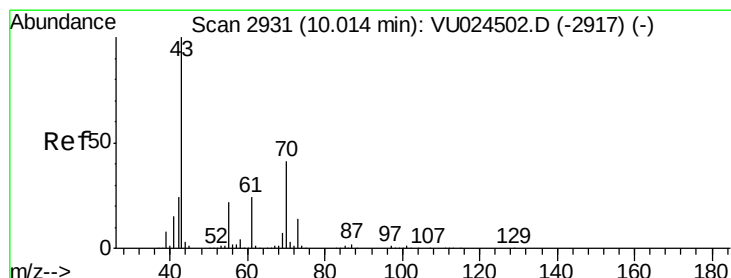
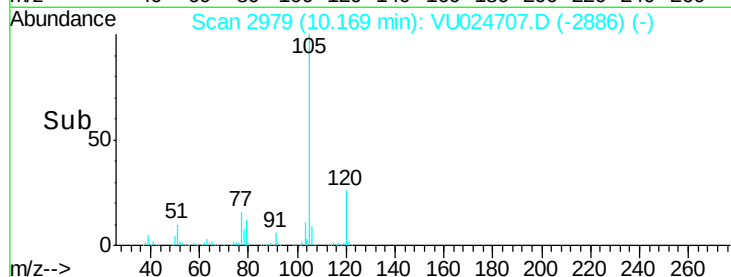
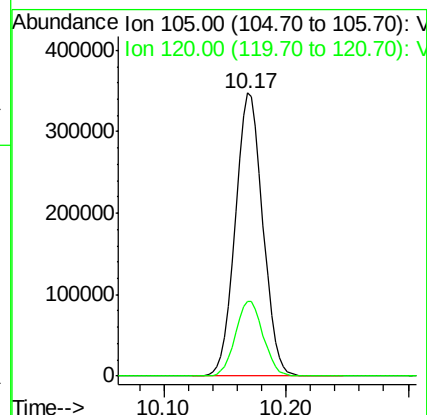
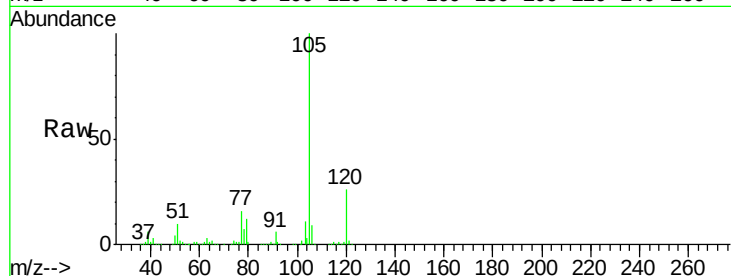
VSTDCCC050EC

Tgt Ion: 105 Resp: 544827

Ion Ratio Lower Upper

105 100

120 26.7 13.2 39.6



#74

N-ethyl acetate

Concen: 50.016 ug/l

RT: 10.01 min Scan# 2931

Delta R.T. 0.00 min

Lab File: VU024707.D

Acq: 18 Jun 2018 21:28

Tgt Ion: 43 Resp: 268975

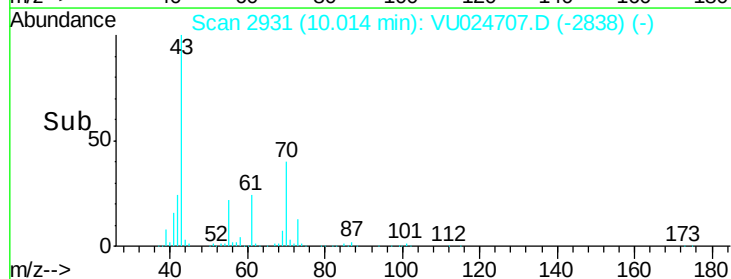
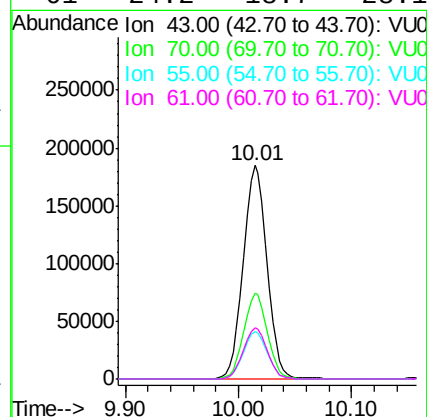
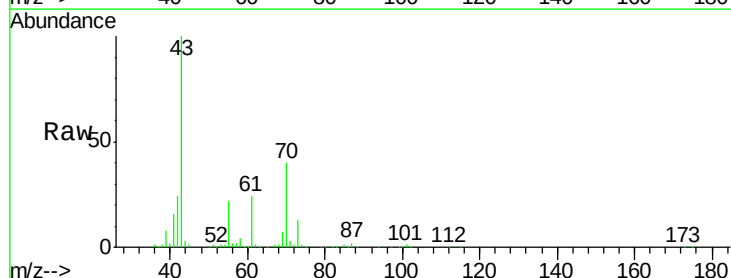
Ion Ratio Lower Upper

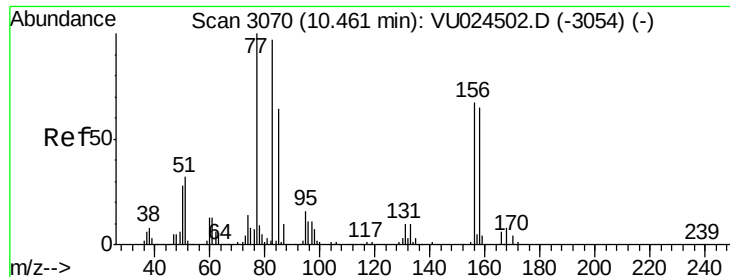
43 100

70 40.2 32.2 48.4

55 22.5 20.5 30.7

61 24.2 18.7 28.1





#75

1,1,2,2-Tetrachloroethane

Concen: 51.333 ug/l

RT: 10.46 min Scan# 3070

Delta R.T. 0.00 min

Lab File: VU024707.D

Acq: 18 Jun 2018 21:28

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

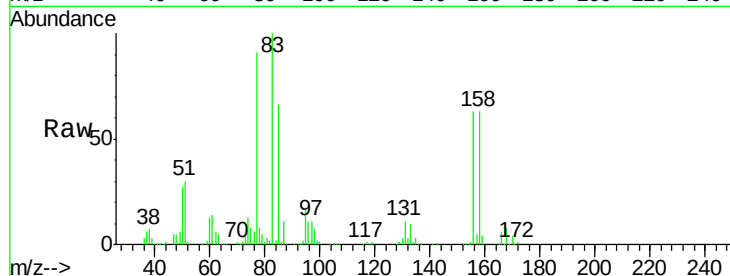
Tgt Ion: 83 Resp: 194487

Ion Ratio Lower Upper

83 100

131 10.1 4.7 14.1

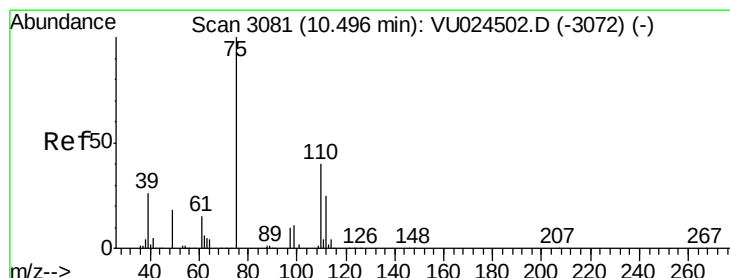
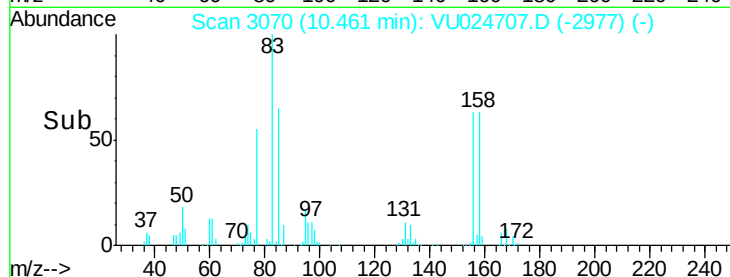
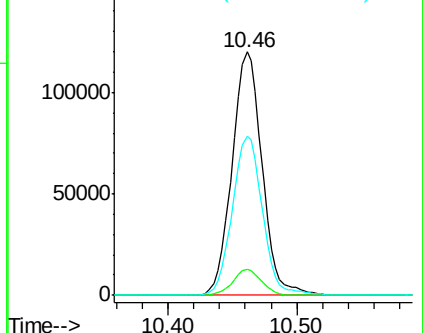
85 65.6 32.5 97.5



Abundance Ion 82.90 (82.60 to 83.60): VU0

Ion 130.80 (130.50 to 131.50): VU0

Ion 84.90 (84.60 to 85.60): VU0



#76

1,2,3-Trichloropropane

Concen: 65.531 ug/l

RT: 10.50 min Scan# 3081

Delta R.T. 0.00 min

Lab File: VU024707.D

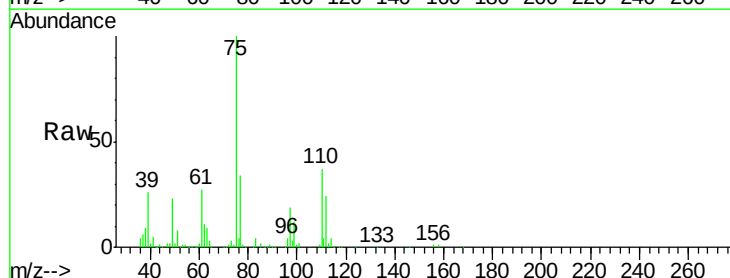
Acq: 18 Jun 2018 21:28

Tgt Ion: 75 Resp: 212463

Ion Ratio Lower Upper

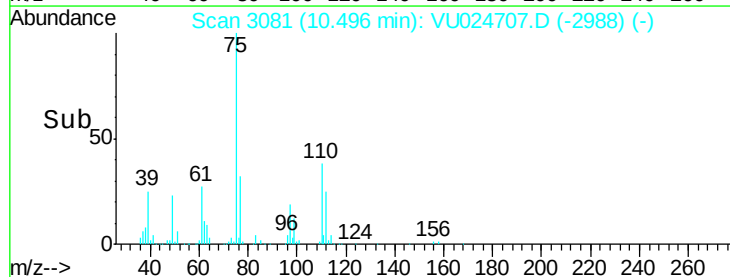
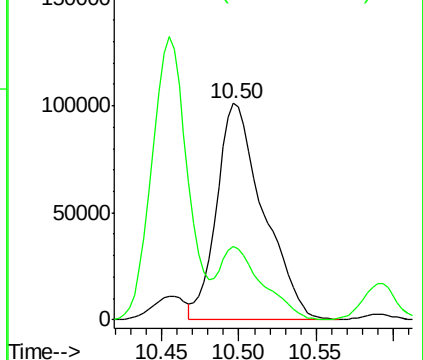
75 100

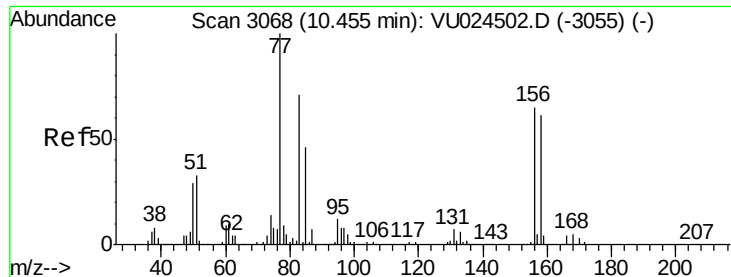
77 29.9 20.9 62.7



Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 77.00 (76.70 to 77.70): VU0





#77

Bromobenzene

Concen: 48.437 ug/l

RT: 10.45 min Scan# 3068

Delta R.T. 0.00 min

Lab File: VU024707.D

Acq: 18 Jun 2018 21:28

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

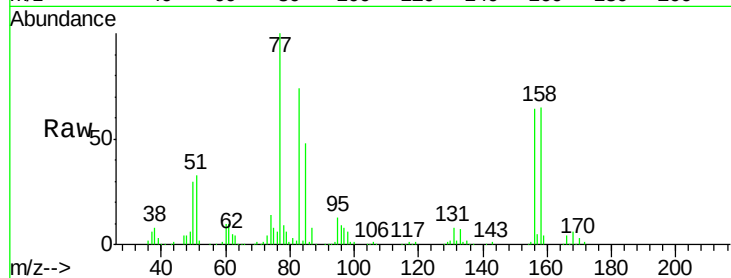
Tgt Ion:156 Resp: 138641

Ion Ratio Lower Upper

156 100

77 151.9 80.5 241.3

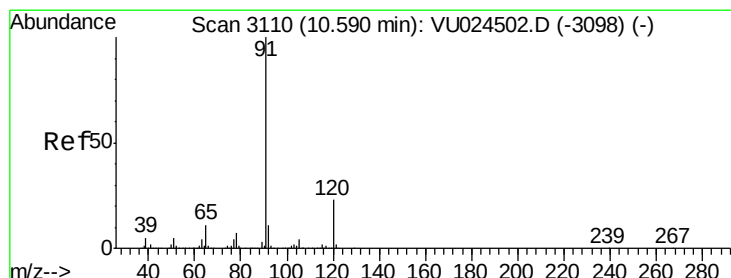
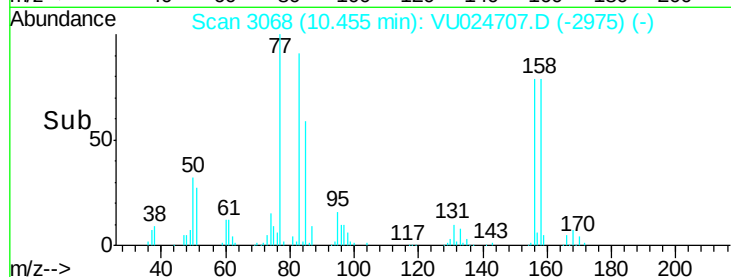
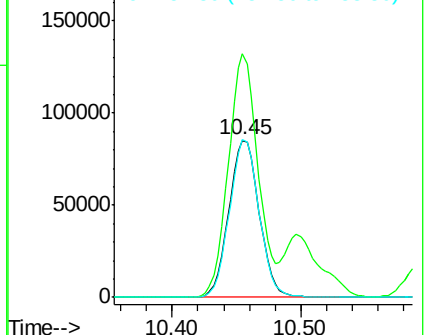
158 98.4 48.2 144.6



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VU0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 46.084 ug/l

RT: 10.59 min Scan# 3110

Delta R.T. 0.00 min

Lab File: VU024707.D

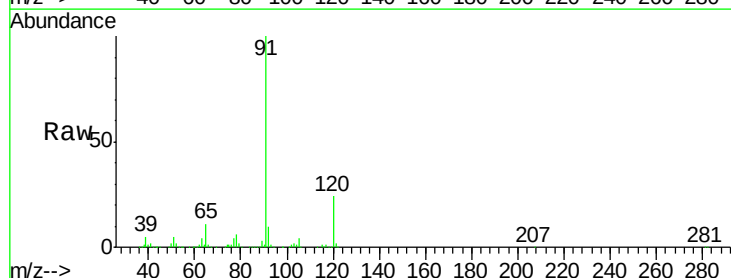
Acq: 18 Jun 2018 21:28

Tgt Ion: 91 Resp: 613773

Ion Ratio Lower Upper

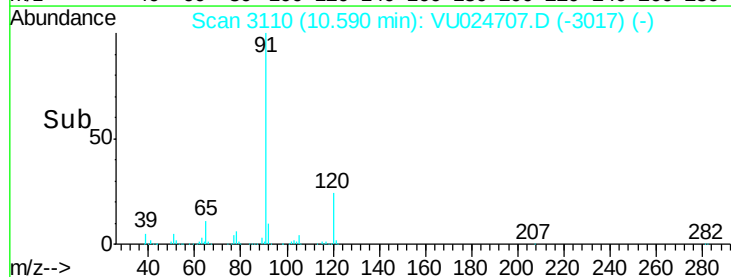
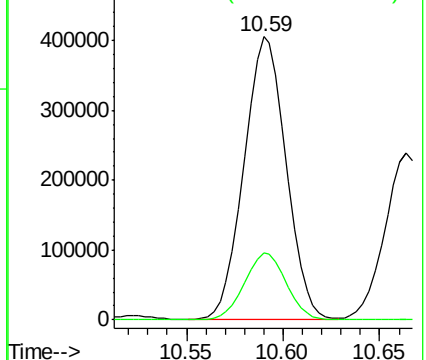
91 100

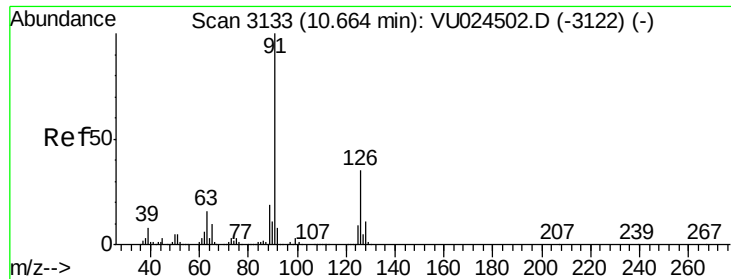
120 23.5 11.2 33.5



Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 47.000 ug/l

RT: 10.66 min Scan# 3133

Delta R.T. 0.00 min

Lab File: VU024707.D

Acq: 18 Jun 2018 21:28

Instrument :

MSVOA_U

ClientSampleId :

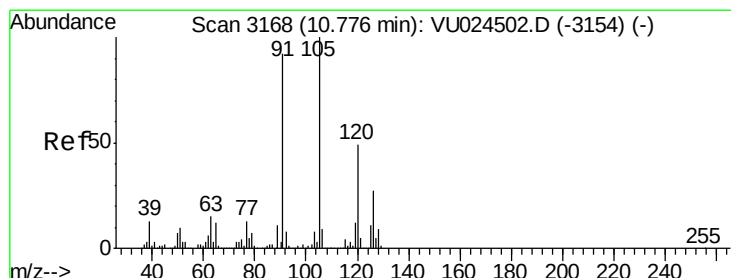
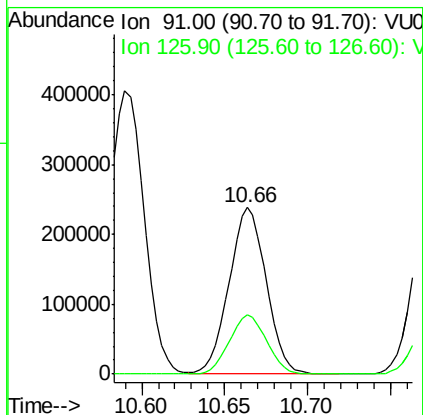
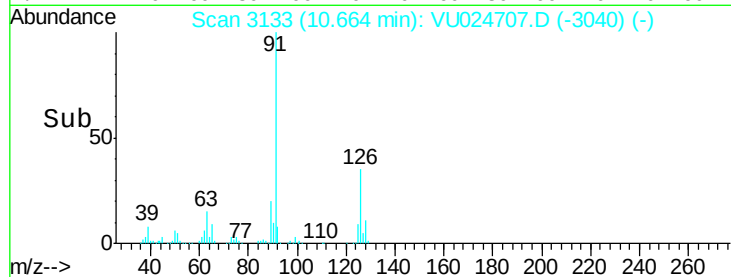
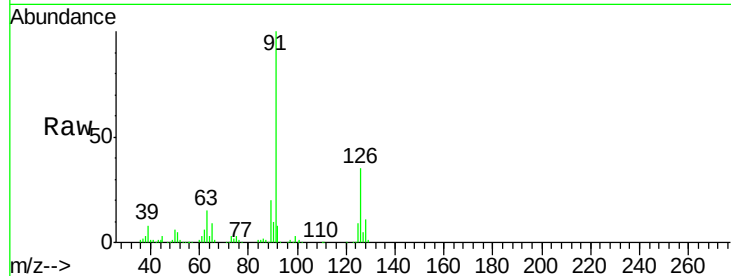
VSTDCCC050EC

Tgt Ion: 91 Resp: 369148

Ion Ratio Lower Upper

91 100

126 35.9 16.9 50.7



#80

1,3,5-Trimethylbenzene

Concen: 47.370 ug/l

RT: 10.78 min Scan# 3168

Delta R.T. 0.00 min

Lab File: VU024707.D

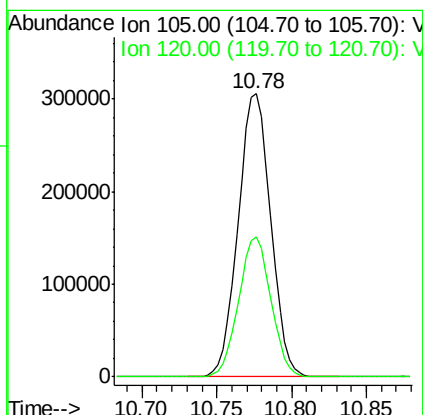
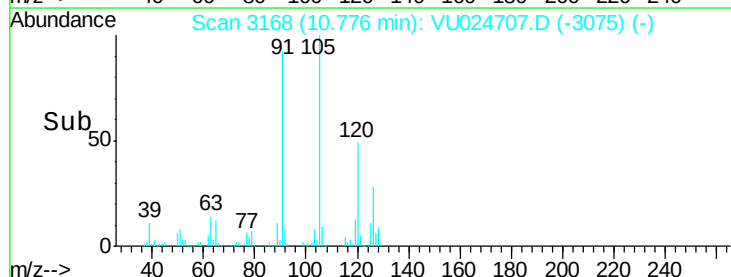
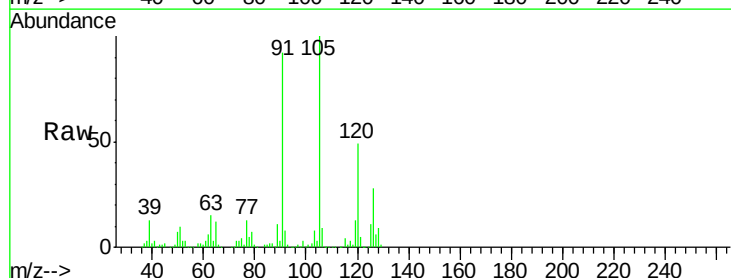
Acq: 18 Jun 2018 21:28

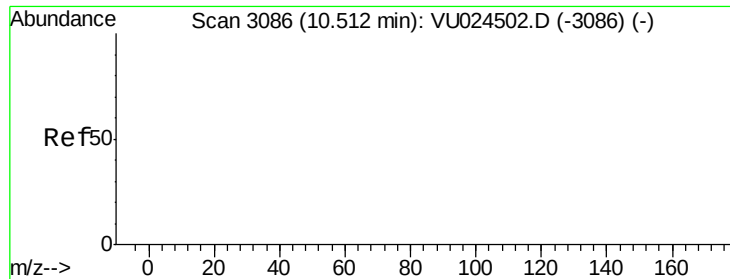
Tgt Ion: 105 Resp: 464206

Ion Ratio Lower Upper

105 100

120 49.0 24.1 72.2





#81

trans-1,4-Dichloro-2-butene

Concen: 151.666 ug/l

RT: 10.50 min Scan# 3081

Delta R.T. -0.02 min

Lab File: VU024707.D

Acq: 18 Jun 2018 21:28

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

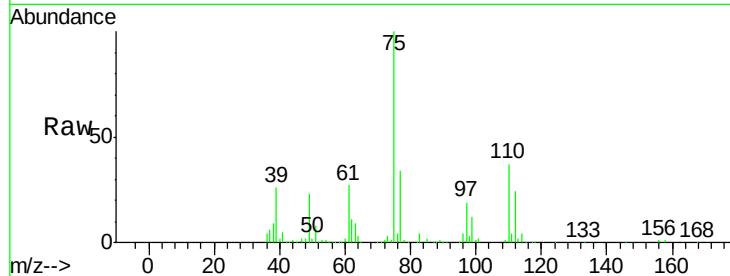
Tgt Ion: 75 Resp: 212463

Ion Ratio Lower Upper

75 100

53 0.0 0.0 0.0

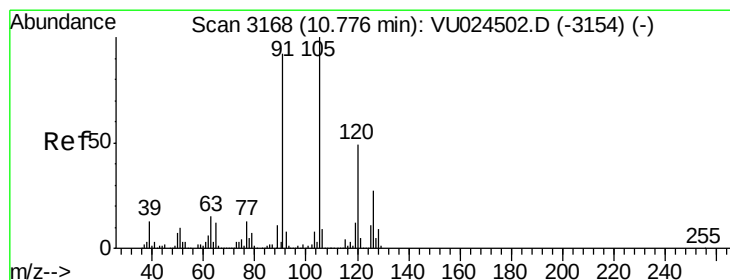
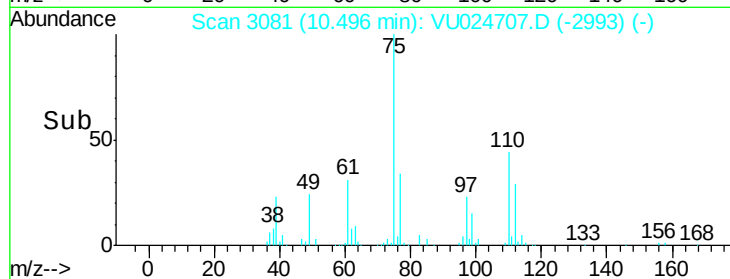
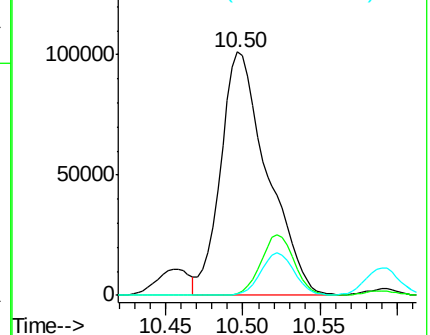
89 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 53.00 (52.70 to 53.70): VU0

Ion 88.90 (88.60 to 89.60): VU0



#82

4-Chlorotoluene

Concen: 46.556 ug/l

RT: 10.78 min Scan# 3168

Delta R.T. 0.00 min

Lab File: VU024707.D

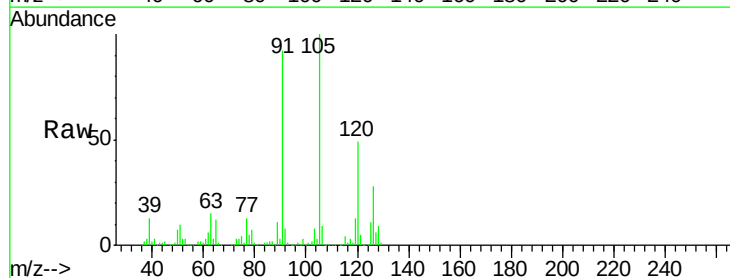
Acq: 18 Jun 2018 21:28

Tgt Ion: 91 Resp: 425589

Ion Ratio Lower Upper

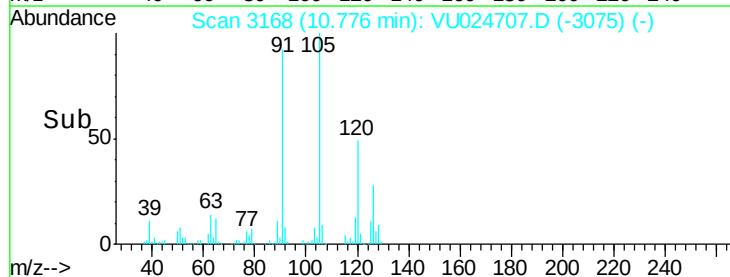
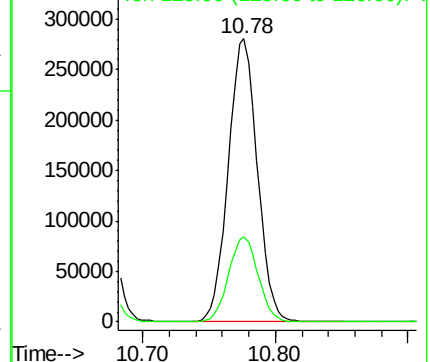
91 100

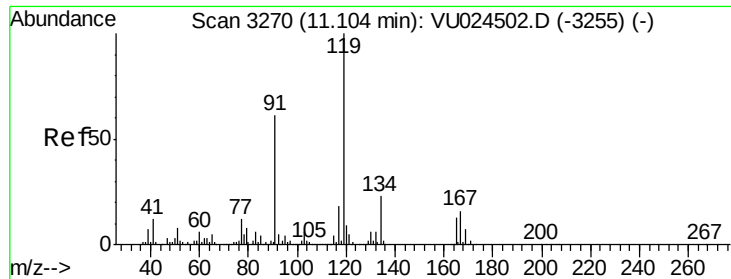
126 30.7 14.9 44.9



Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 125.90 (125.60 to 126.60): V

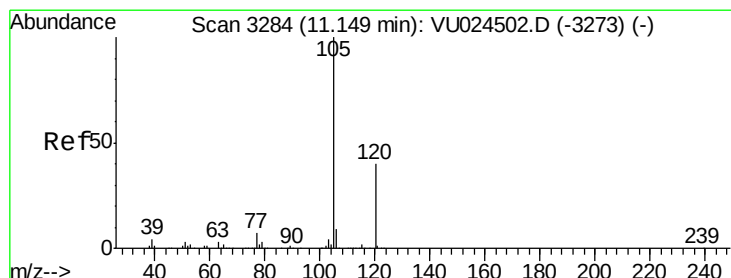
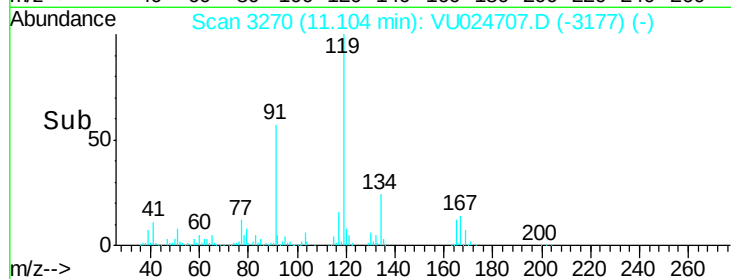
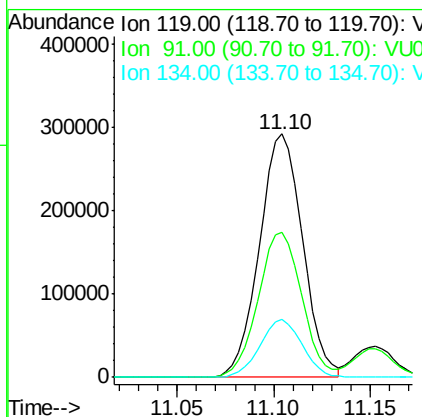
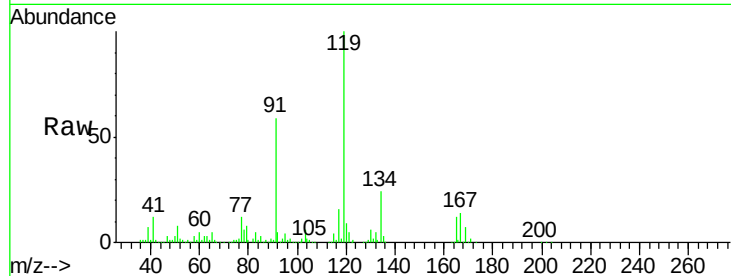




#83
 tert-Butylbenzene
 Concen: 48.073 ug/l
 RT: 11.10 min Scan# 3270
 Delta R.T. 0.00 min
 Lab File: VU024707.D
 Acq: 18 Jun 2018 21:28

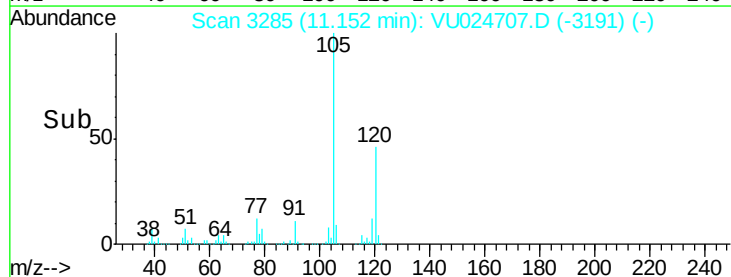
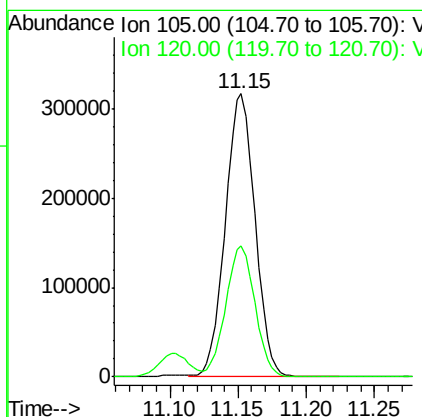
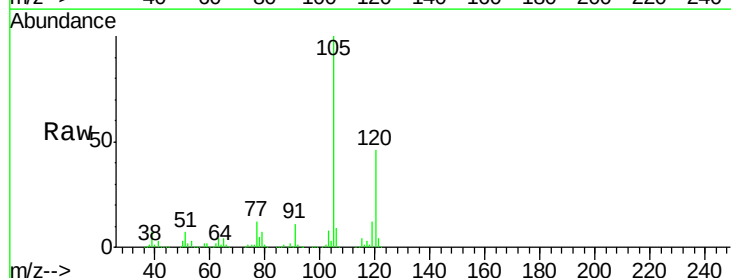
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

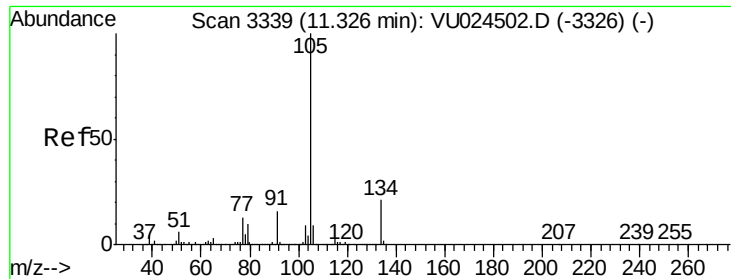
Tgt Ion:119 Resp: 453163
 Ion Ratio Lower Upper
 119 100
 91 60.2 29.7 89.1
 134 23.1 11.6 34.7



#84
 1,2,4-Trimethylbenzene
 Concen: 47.908 ug/l
 RT: 11.15 min Scan# 3285
 Delta R.T. 0.00 min
 Lab File: VU024707.D
 Acq: 18 Jun 2018 21:28

Tgt Ion:105 Resp: 478436
 Ion Ratio Lower Upper
 105 100
 120 45.6 22.6 67.8





#85

sec-Butylbenzene

Concen: 46.999 ug/l

RT: 11.33 min Scan# 3339

Delta R.T. 0.00 min

Lab File: VU024707.D

Acq: 18 Jun 2018 21:28

Instrument :

MSVOA_U

ClientSampleId :

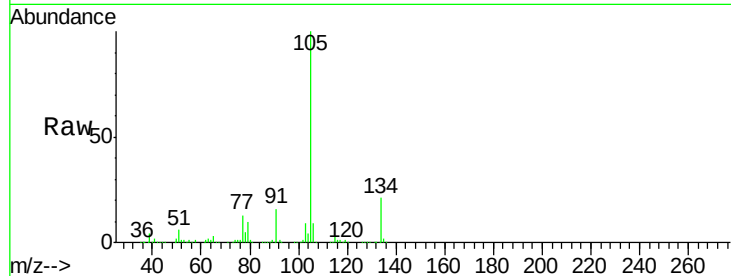
VSTDCCC050EC

Tgt Ion:105 Resp: 554562

Ion Ratio Lower Upper

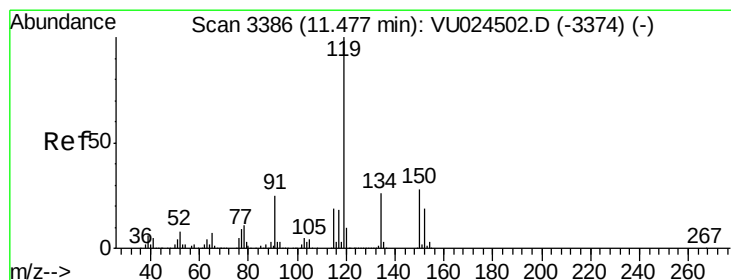
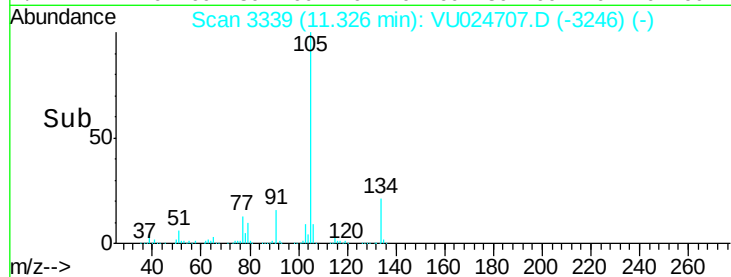
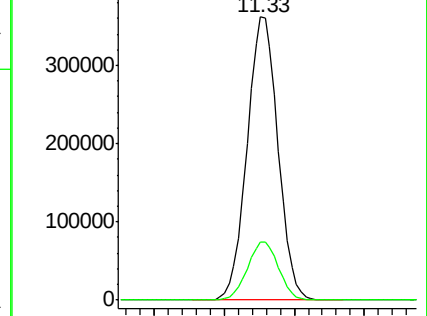
105 100

134 20.7 9.7 29.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 46.276 ug/l

RT: 11.48 min Scan# 3387

Delta R.T. 0.00 min

Lab File: VU024707.D

Acq: 18 Jun 2018 21:28

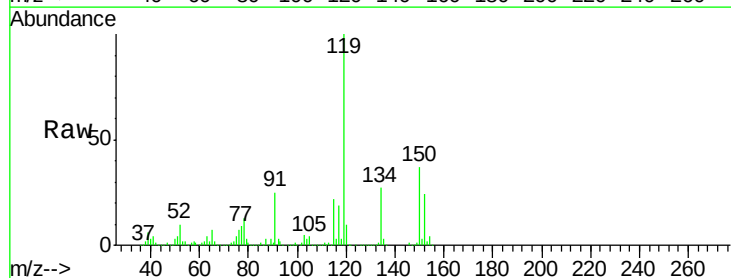
Tgt Ion:119 Resp: 489031

Ion Ratio Lower Upper

119 100

134 26.7 12.9 38.6

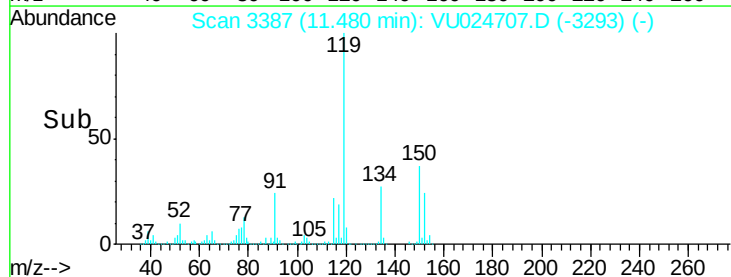
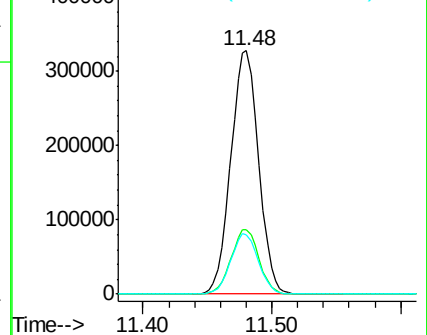
91 24.6 12.0 36.1

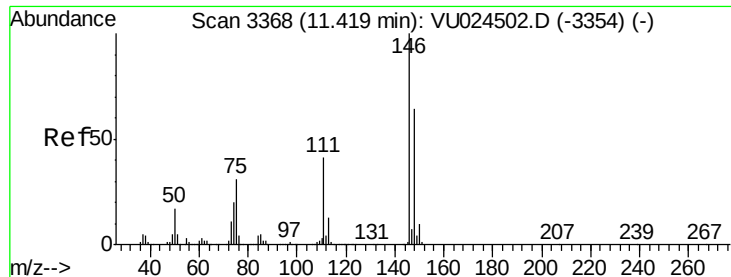


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VU0

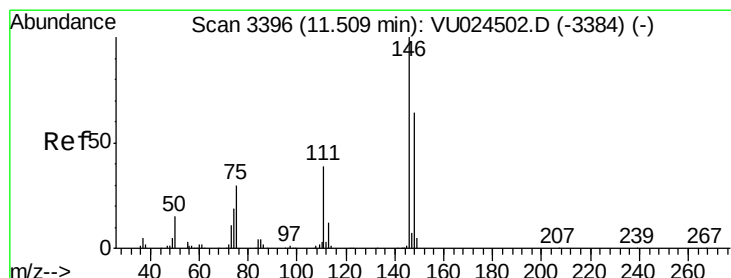
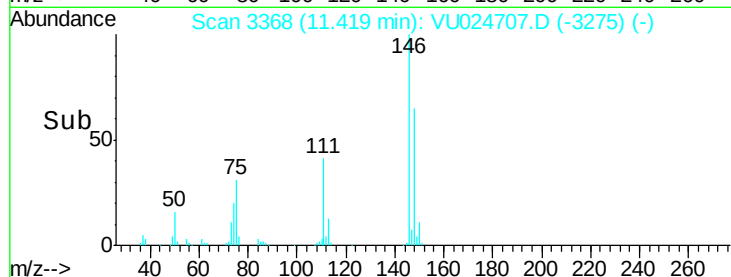
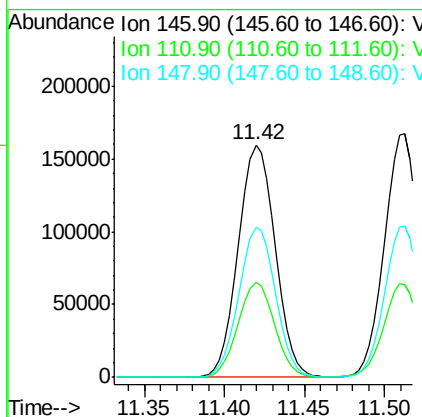
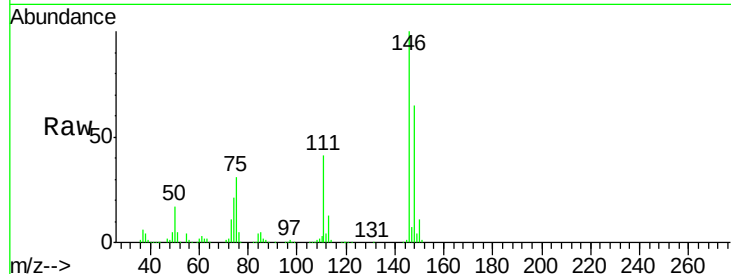




#87
 1,3-Dichlorobenzene
 Concen: 47.529 ug/l
 RT: 11.42 min Scan# 3368
 Delta R.T. 0.00 min
 Lab File: VU024707.D
 Acq: 18 Jun 2018 21:28

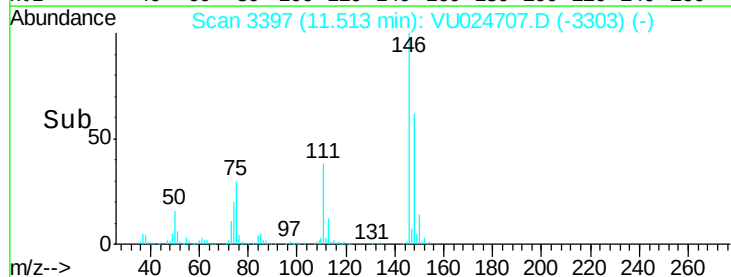
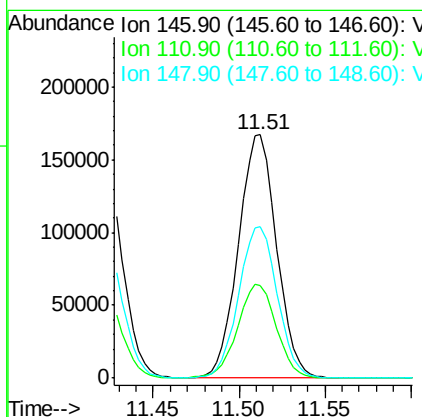
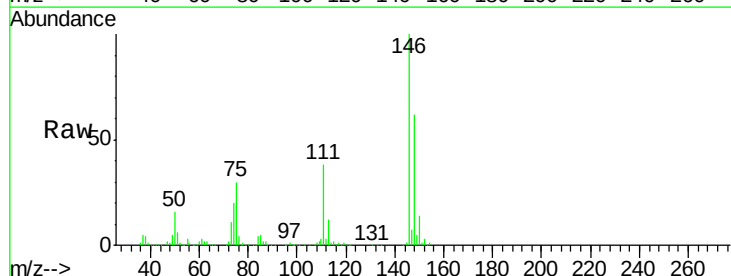
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

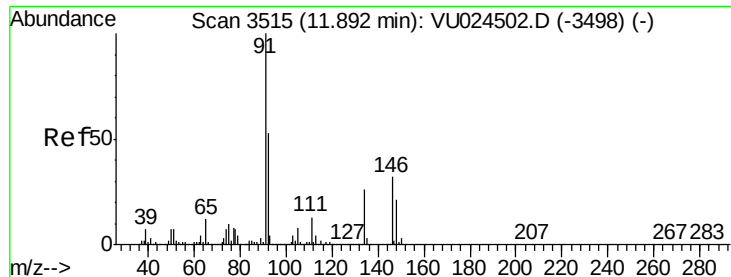
Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.2	20.0	60.0
148	64.2	32.1	96.5



#88
 1,4-Dichlorobenzene
 Concen: 48.241 ug/l
 RT: 11.51 min Scan# 3397
 Delta R.T. 0.00 min
 Lab File: VU024707.D
 Acq: 18 Jun 2018 21:28

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.4	19.5	58.5
148	63.3	32.4	97.0





#89

n-Butylbenzene

Concen: 43.307 ug/l

RT: 11.89 min Scan# 3515

Delta R.T. 0.00 min

Lab File: VU024707.D

Acq: 18 Jun 2018 21:28

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

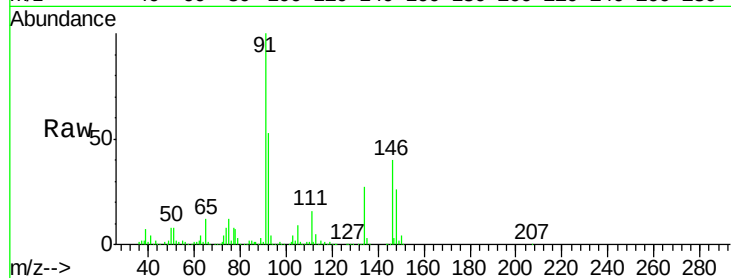
Tgt Ion: 91 Resp: 406314

Ion Ratio Lower Upper

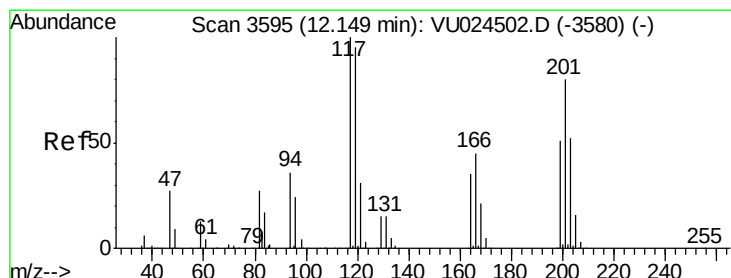
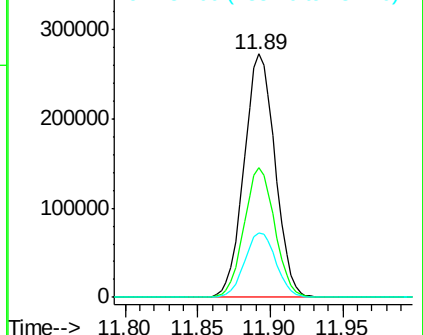
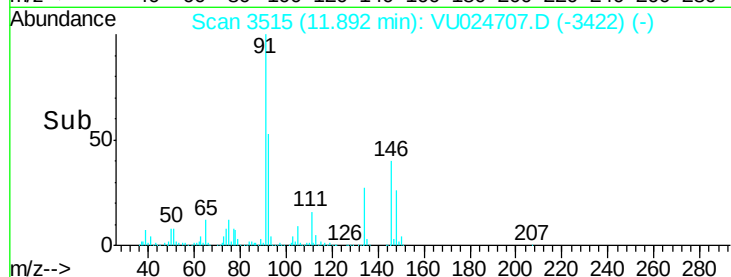
91 100

92 52.6 25.6 76.8

134 26.8 12.3 36.8



Abundance Ion 91.00 (90.70 to 91.70): VU024707.D (-3422) (-)



#90

Hexachloroethane

Concen: 43.617 ug/l

RT: 12.15 min Scan# 3595

Delta R.T. 0.00 min

Lab File: VU024707.D

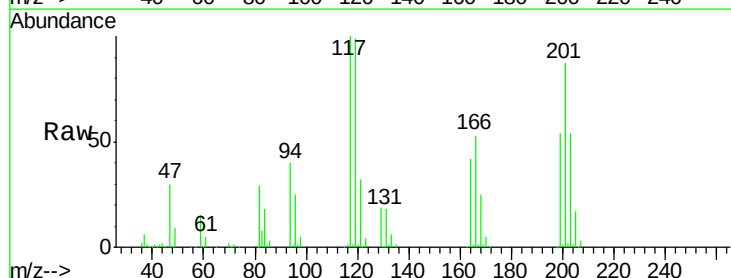
Acq: 18 Jun 2018 21:28

Tgt Ion: 117 Resp: 89916

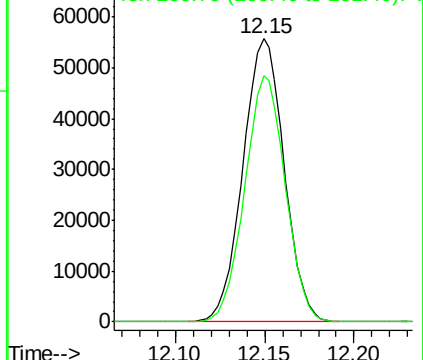
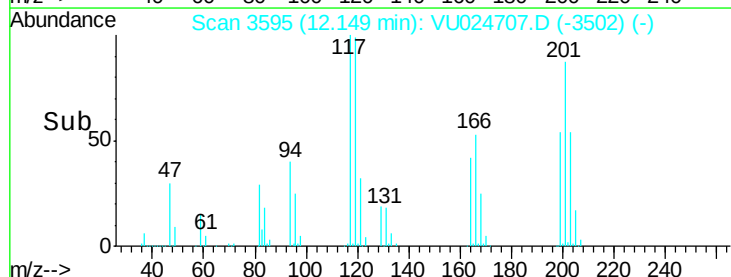
Ion Ratio Lower Upper

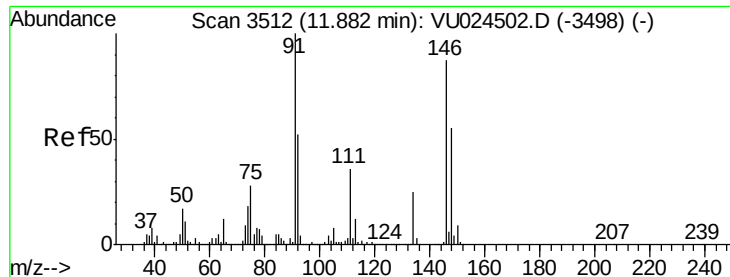
117 100

201 85.6 41.1 123.3



Abundance Ion 116.80 (116.50 to 117.50): VU024707.D (-3502) (-)

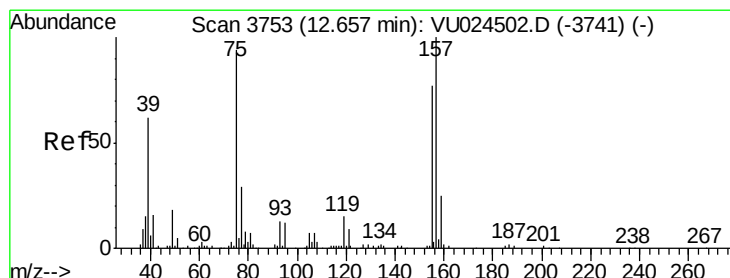
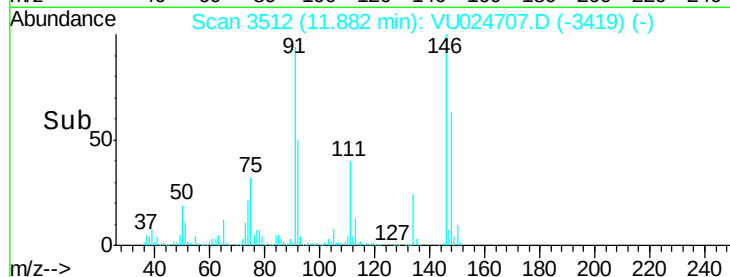
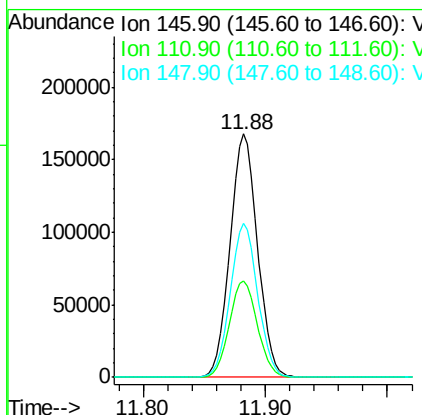
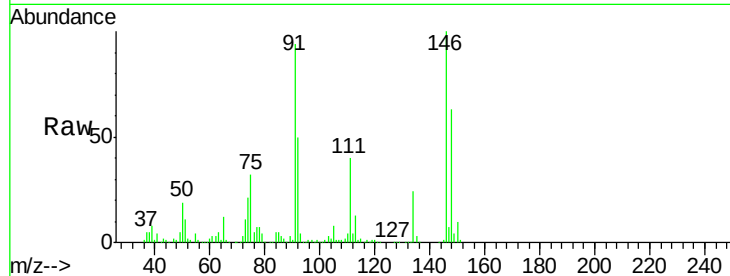




#91
 1,2-Dichlorobenzene
 Concen: 49.808 ug/l
 RT: 11.88 min Scan# 3512
 Delta R.T. 0.00 min
 Lab File: VU024707.D
 Acq: 18 Jun 2018 21:28

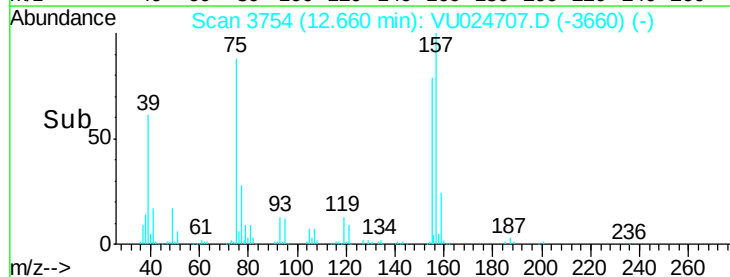
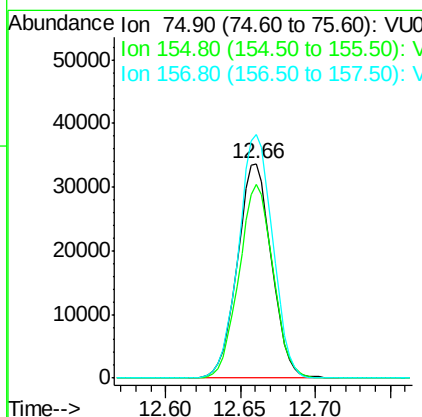
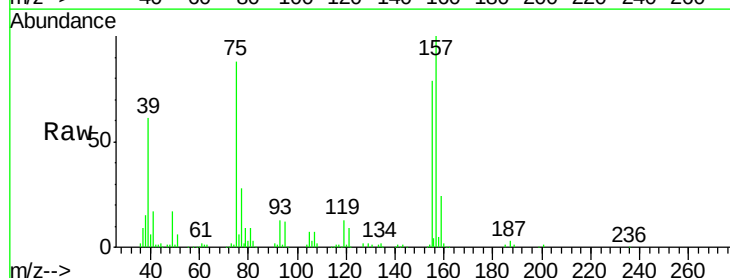
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

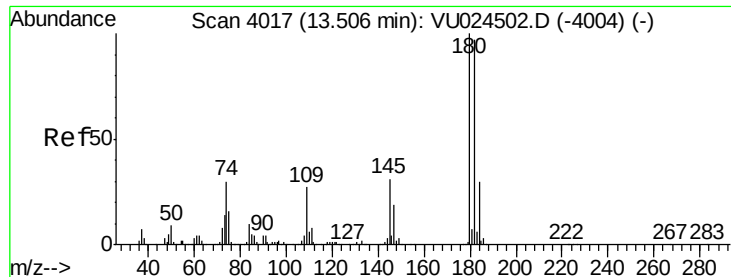
Tgt Ion: 146 Resp: 263821
 Ion Ratio Lower Upper
 146 100
 111 40.3 20.5 61.6
 148 63.1 31.9 95.7



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 51.292 ug/l
 RT: 12.66 min Scan# 3754
 Delta R.T. 0.00 min
 Lab File: VU024707.D
 Acq: 18 Jun 2018 21:28

Tgt Ion: 75 Resp: 53622
 Ion Ratio Lower Upper
 75 100
 155 89.6 40.4 121.2
 157 113.5 52.3 156.8

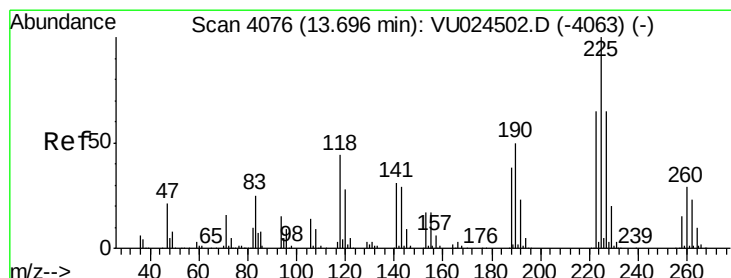
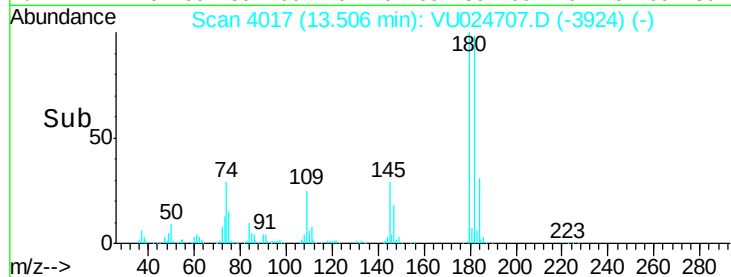
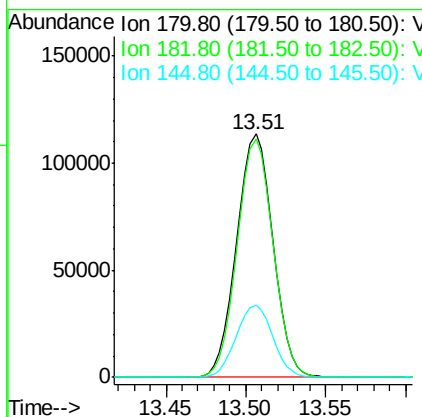
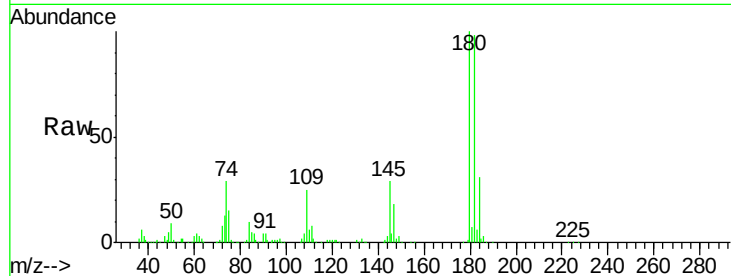




#93
 1,2,4-Trichlorobenzene
 Concen: 53.710 ug/l
 RT: 13.51 min Scan# 4017
 Delta R.T. 0.00 min
 Lab File: VU024707.D
 Acq: 18 Jun 2018 21:28

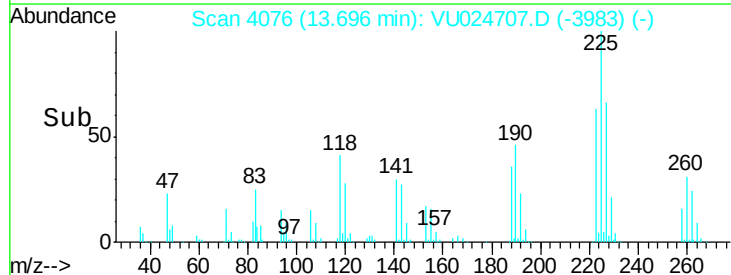
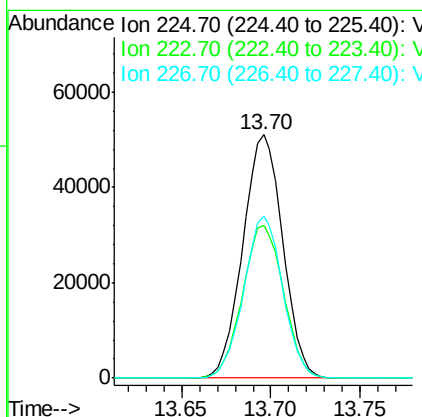
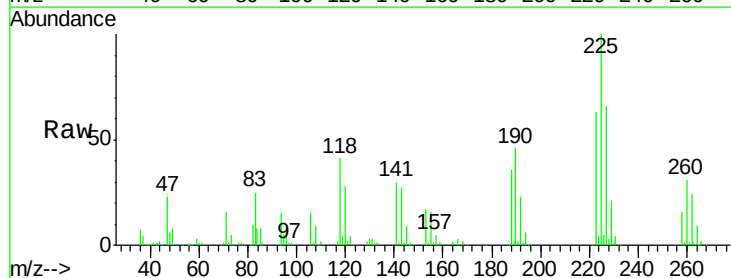
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

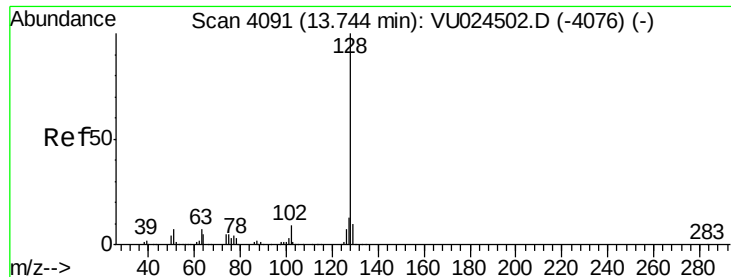
Tgt Ion:180 Resp: 175678
 Ion Ratio Lower Upper
 180 100
 182 96.5 48.0 144.2
 145 29.9 14.7 44.1



#94
 Hexachlorobutadiene
 Concen: 43.310 ug/l
 RT: 13.70 min Scan# 4076
 Delta R.T. 0.00 min
 Lab File: VU024707.D
 Acq: 18 Jun 2018 21:28

Tgt Ion:225 Resp: 79734
 Ion Ratio Lower Upper
 225 100
 223 64.3 31.3 93.8
 227 64.9 31.8 95.4





#95

Naphthalene

Concen: 57.264 ug/l

RT: 13.74 min Scan# 4091

Delta R.T. 0.00 min

Lab File: VU024707.D

Acq: 18 Jun 2018 21:28

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

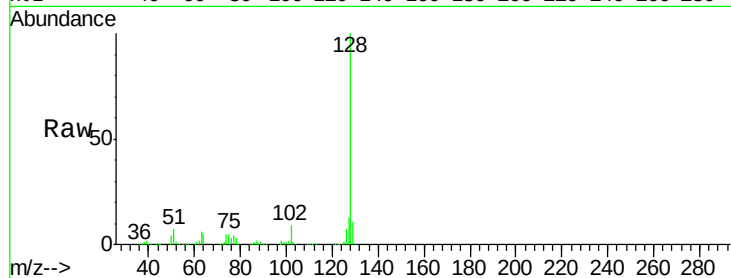
Tgt Ion:128 Resp: 621147

Ion Ratio Lower Upper

128 100

127 13.1 10.6 16.0

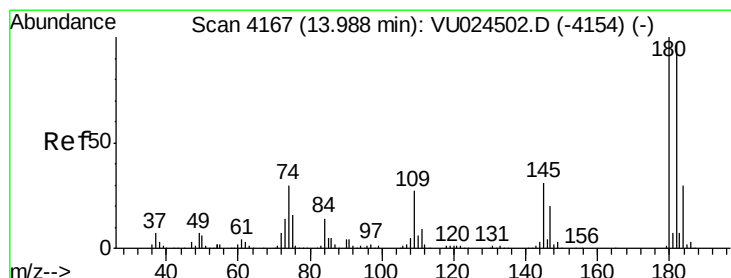
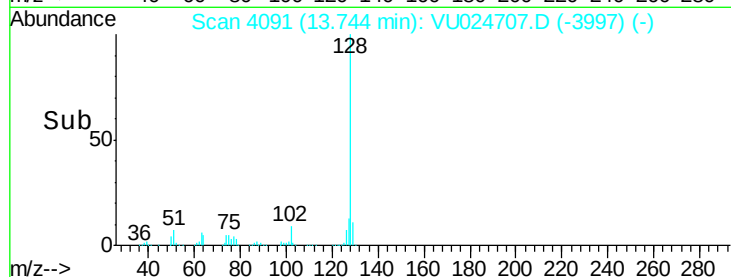
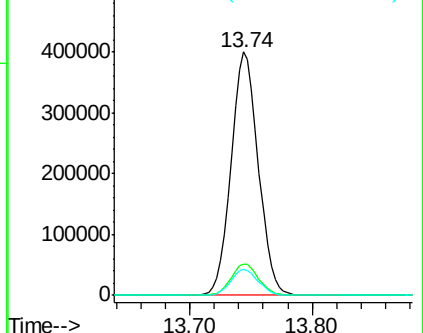
129 10.8 8.6 12.8



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 57.189 ug/l

RT: 13.99 min Scan# 4168

Delta R.T. 0.00 min

Lab File: VU024707.D

Acq: 18 Jun 2018 21:28

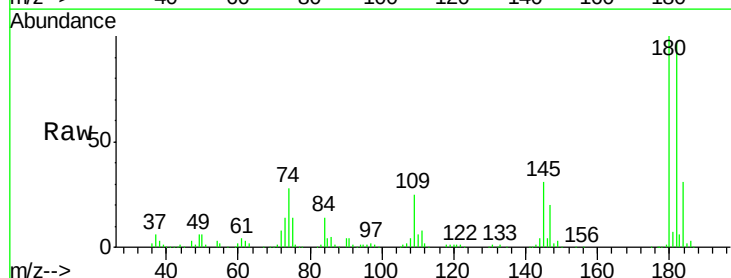
Tgt Ion:180 Resp: 186390

Ion Ratio Lower Upper

180 100

182 96.7 47.9 143.7

145 31.1 15.4 46.1



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

