

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU062818\
 Data File : VU025034.D
 Acq On : 28 Jun 2018 20:44
 Operator : MD/SY
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Quant Time: Jun 29 05:11:30 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	194938	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	304807	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	283762	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.49	152	168826	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.31	65	136861	43.01	ug/l	0.00
Spiked Amount	50.000		Recovery	=	86.02%	
35) Dibromofluoromethane	4.89	113	112224	44.36	ug/l	0.00
Spiked Amount	50.000		Recovery	=	88.72%	
50) Toluene-d8	7.57	98	378939	41.07	ug/l	0.00
Spiked Amount	50.000		Recovery	=	82.14%	
62) 4-Bromofluorobenzene	10.31	95	157155	42.90	ug/l	0.00
Spiked Amount	50.000		Recovery	=	85.80%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.20	85	104114	42.670	ug/l	100
3) Chloromethane	1.33	50	111236	44.622	ug/l	99
4) Vinyl Chloride	1.40	62	119513	46.488	ug/l	99
5) Bromomethane	1.62	94	76334	61.422	ug/l	99
6) Chloroethane	1.69	64	77798	54.246	ug/l	99
7) Trichlorofluoromethane	1.89	101	194348	49.537	ug/l	99
8) Diethyl Ether	2.10	74	74972	56.393	ug/l	86
9) 1,1,2-Trichlorotrifluoroet	2.29	101	114925	47.217	ug/l	97
10) Methyl Iodide	2.41	142	139183	65.710	ug/l	97
11) Tert butyl alcohol	2.82	59	190287	245.852	ug/l	99
12) 1,1-Dichloroethene	2.28	96	109596	49.375	ug/l	95
13) Acrolein	2.19	56	35936	88.416	ug/l	98
14) Allyl chloride	2.59	41	187749	45.556	ug/l	97
15) Acrylonitrile	2.94	53	390624	259.398	ug/l	99
16) Acetone	2.32	43	364809	213.351	ug/l	97
17) Carbon Disulfide	2.48	76	308936	43.467	ug/l	99
18) Methyl Acetate	2.62	43	224700	61.298	ug/l	98
19) Methyl tert-butyl Ether	3.00	73	437440	52.428	ug/l	96
20) Methylene Chloride	2.70	84	129420	48.238	ug/l	96
21) trans-1,2-Dichloroethene	2.99	96	120930	49.466	ug/l	97
22) Diisopropyl ether	3.57	45	414950	50.790	ug/l	97
23) Vinyl Acetate	3.53	43	1758521	240.284	ug/l	98
24) 1,1-Dichloroethane	3.45	63	237778	50.592	ug/l	98
25) 2-Butanone	4.26	43	567103	246.912	ug/l	96
26) 2,2-Dichloropropane	4.23	77	180501	40.446	ug/l	100
27) cis-1,2-Dichloroethene	4.23	96	143606	51.094	ug/l	98
28) Bromochloromethane	4.55	49	88215	42.613	ug/l #	81
29) Tetrahydrofuran	4.63	42	366010	257.332	ug/l	97
30) Chloroform	4.68	83	247662	52.062	ug/l	100
31) Cyclohexane	5.00	56	211117	50.607	ug/l	92
32) 1,1,1-Trichloroethane	4.92	97	226636	51.520	ug/l	95
36) 1,1-Dichloropropene	5.14	75	176587	49.302	ug/l	97
37) Ethyl Acetate	4.38	43	207748	53.217	ug/l	97
38) Carbon Tetrachloride	5.14	117	203206	51.592	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.42	83	217705	48.707	ug/l	95
40) Benzene	5.39	78	521269	51.075	ug/l	100
41) Methacrylonitrile	4.54	41	116270	55.241	ug/l	99
42) 1,2-Dichloroethane	5.41	62	209248	53.832	ug/l	100
43) Isopropyl Acetate	5.55	43	332325	49.248	ug/l	98
44) Trichloroethene	6.19	130	144937	49.899	ug/l	95
45) 1,2-Dichloropropane	6.44	63	137328	50.429	ug/l	100
46) Dibromomethane	6.56	93	101154	52.883	ug/l	95
47) Bromodichloromethane	6.76	83	189368	49.717	ug/l	99
48) Methyl methacrylate	6.63	41	171179	52.096	ug/l	99
49) 1,4-Dioxane	6.62	88	74316	1156.514	ug/l	97
51) 4-Methyl-2-Pentanone	7.46	43	1075741	253.749	ug/l	97
52) Toluene	7.64	92	332550	50.646	ug/l	100
53) t-1,3-Dichloropropene	7.88	75	203996	47.691	ug/l	99
54) cis-1,3-Dichloropropene	7.27	75	216250	47.445	ug/l	100
55) 1,1,2-Trichloroethane	8.07	97	138816	52.009	ug/l	98
56) Ethyl methacrylate	8.02	69	221506	49.584	ug/l	99
57) 1,3-Dichloropropane	8.25	76	233114	51.775	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.13	63	50022	29.228	ug/l	95
59) 2-Hexanone	8.36	43	853279	246.537	ug/l	98
60) Dibromochloromethane	8.48	129	158601	47.652	ug/l	100
61) 1,2-Dibromoethane	8.59	107	153591	51.701	ug/l	98
64) Tetrachloroethene	8.23	164	143307	53.130	ug/l	96
65) Chlorobenzene	9.12	112	383369	52.885	ug/l	100
66) 1,1,1,2-Tetrachloroethane	9.21	131	141084	51.227	ug/l	97
67) Ethyl Benzene	9.25	91	660576	51.980	ug/l	97
68) m/p-Xylenes	9.38	106	516543	105.850	ug/l	97
69) o-Xylene	9.78	106	253139	52.415	ug/l	97
70) Styrene	9.80	104	415495	52.352	ug/l	99
71) Bromoform	9.96	173	125513	47.947	ug/l #	100
73) Isopropylbenzene	10.17	105	690309	53.257	ug/l	100
74) N-amyl acetate	10.01	43	300374	48.721	ug/l	98
75) 1,1,2,2-Tetrachloroethane	10.46	83	229756	52.896	ug/l	99
76) 1,2,3-Trichloropropane	10.50	75	270019	72.646	ug/l	82
77) Bromobenzene	10.45	156	178985	54.545	ug/l	93
78) n-propylbenzene	10.59	91	776979	50.887	ug/l	97
79) 2-Chlorotoluene	10.66	91	468008	51.976	ug/l	98
80) 1,3,5-Trimethylbenzene	10.78	105	592890	52.774	ug/l	100
81) trans-1,4-Dichloro-2-buten	10.50	75	270019	168.132	ug/l #	100
82) 4-Chlorotoluene	10.78	91	541653	51.684	ug/l	99
83) tert-Butylbenzene	11.10	119	583774	54.019	ug/l	100
84) 1,2,4-Trimethylbenzene	11.15	105	602309	52.608	ug/l	100
85) sec-Butylbenzene	11.33	105	707483	52.301	ug/l	98
86) p-Isopropyltoluene	11.48	119	622389	51.373	ug/l	99
87) 1,3-Dichlorobenzene	11.42	146	318558	52.546	ug/l	100
88) 1,4-Dichlorobenzene	11.51	146	320874	52.586	ug/l	99
89) n-Butylbenzene	11.89	91	507554	47.188	ug/l	96
90) Hexachloroethane	12.15	117	108933	46.092	ug/l	96
91) 1,2-Dichlorobenzene	11.88	146	330981	54.506	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	12.66	75	61727	51.503	ug/l	91

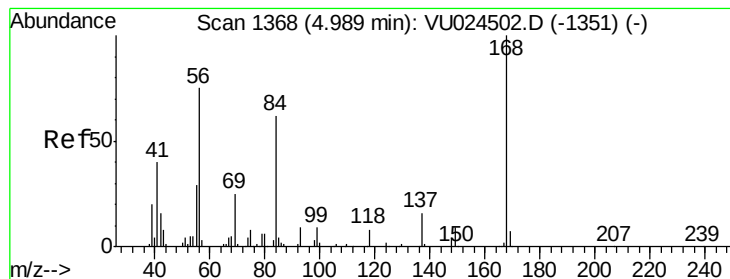
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_U\DATA\VU062818\
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.51	180	213806	57.018	ug/l	97
94) Hexachlorobutadiene	13.70	225	111207	52.690	ug/l	99
95) Naphthalene	13.74	128	728007	58.528	ug/l	99
96) 1,2,3-Trichlorobenzene	13.99	180	222461	59.538	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.99 min Scan# 1368

Delta R.T. -0.00 min

Lab File: VU025034.D

Acq: 28 Jun 2018 20:44

Instrument :

MSVOA_U

ClientSampleId :

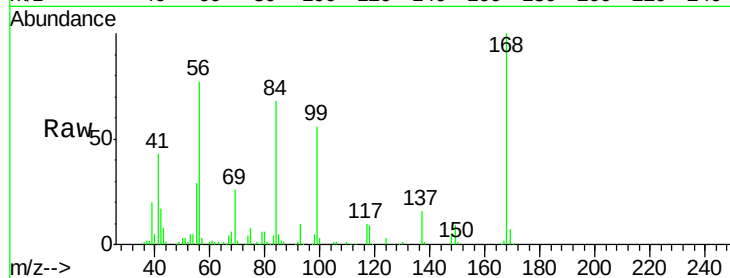
VSTDCCC050EC

Tgt Ion:168 Resp: 194938

Ion Ratio Lower Upper

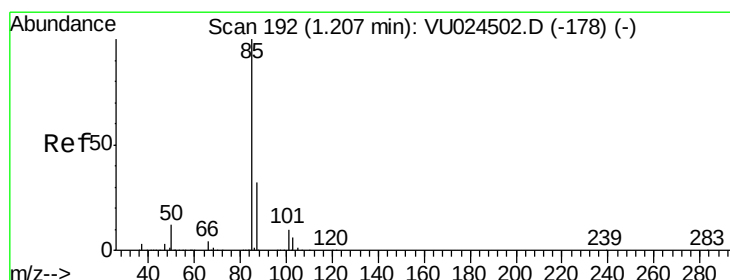
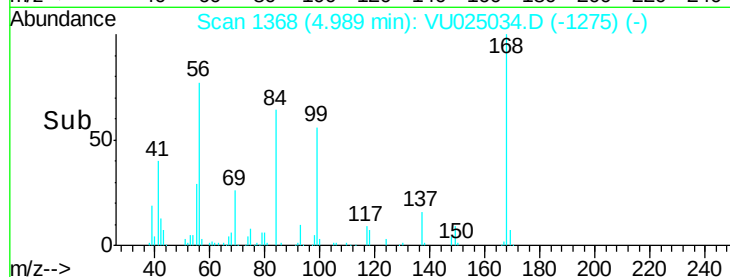
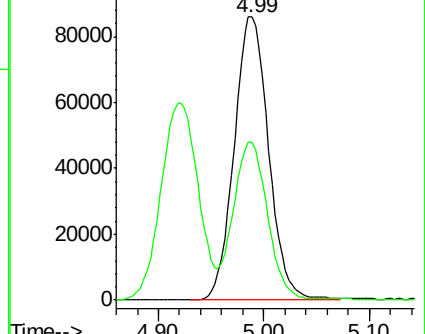
168 100

99 55.3 43.2 64.8



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

Ion 98.90 (98.60 to 99.60): VU024502.D (-1351) (-)



#2

Dichlorodifluoromethane

Concen: 42.670 ug/l

RT: 1.20 min Scan# 191

Delta R.T. -0.00 min

Lab File: VU025034.D

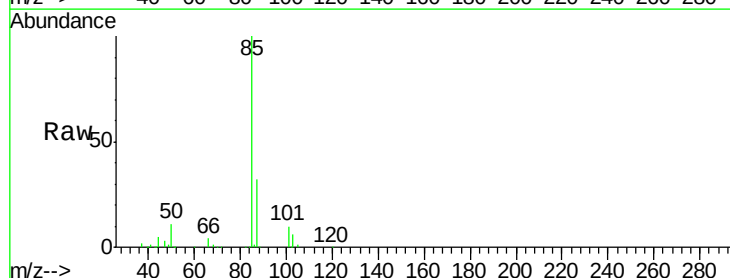
Acq: 28 Jun 2018 20:44

Tgt Ion: 85 Resp: 104114

Ion Ratio Lower Upper

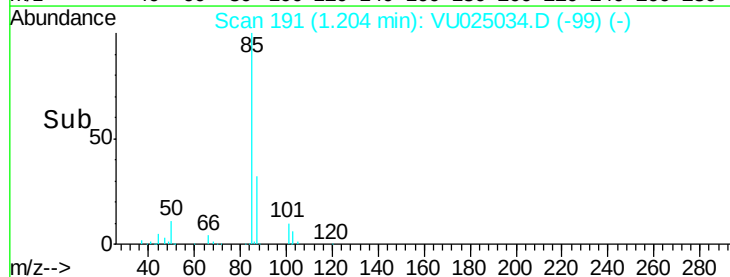
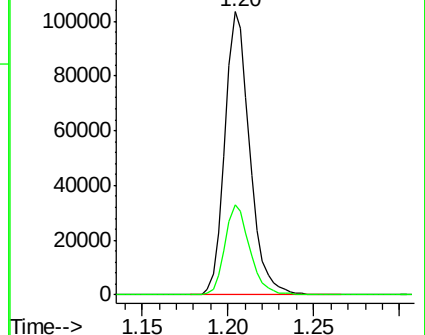
85 100

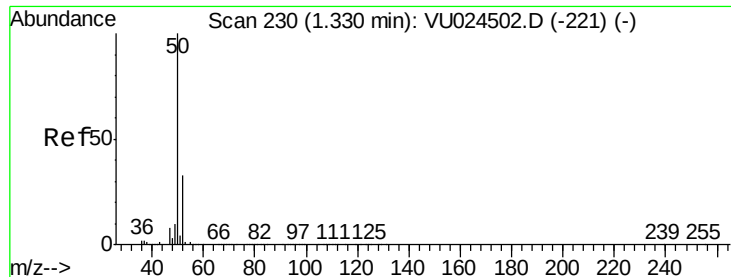
87 31.8 16.1 48.2



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

Ion 86.90 (86.60 to 87.60): VU024502.D (-178) (-)

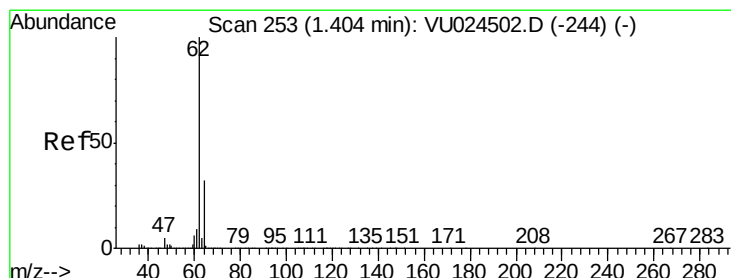
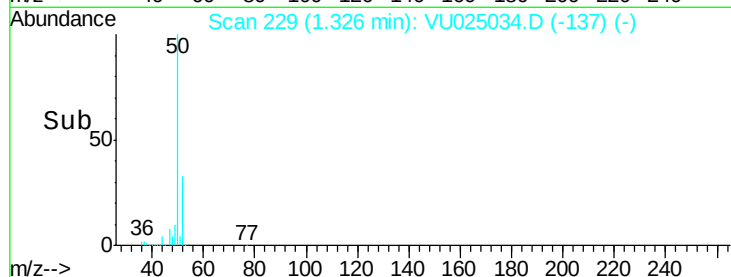
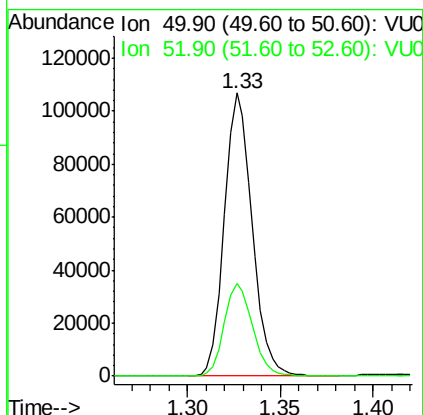
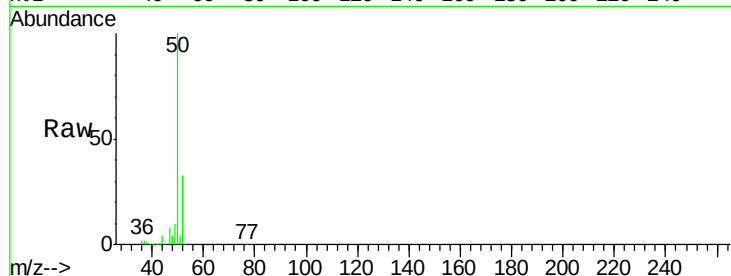




#3
Chloromethane
Concen: 44.622 ug/l
RT: 1.33 min Scan# 229
Delta R.T. -0.00 min
Lab File: VU025034.D
Acq: 28 Jun 2018 20:44

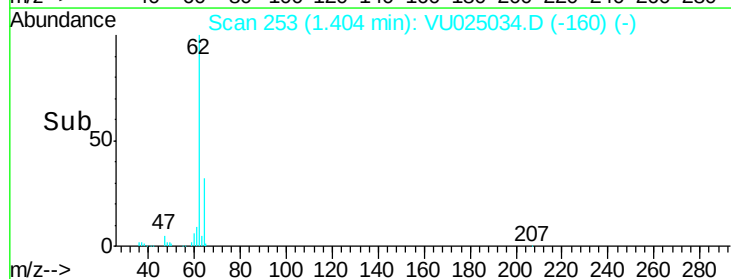
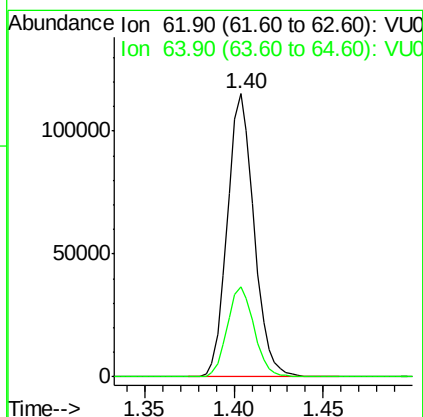
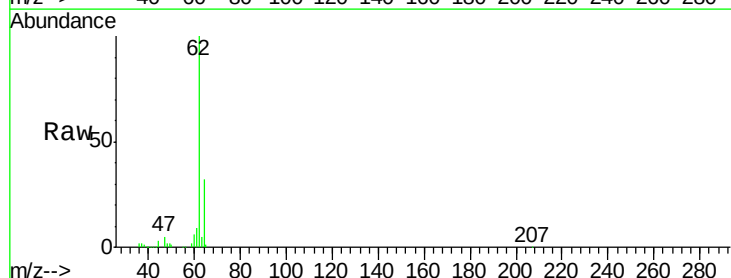
Instrument :
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ClientSampleId :
VSTDCCC050EC

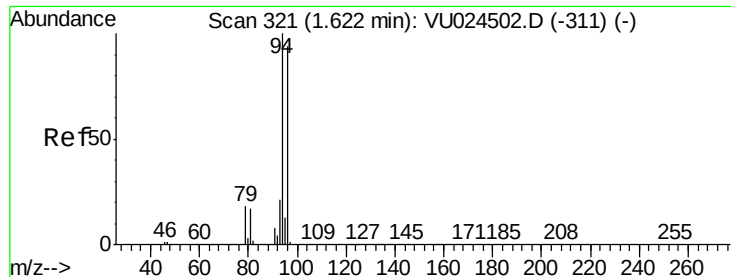
Tgt Ion: 50 Resp: 111236
Ion Ratio Lower Upper
50 100
52 32.6 26.4 39.6



#4
Vinyl Chloride
Concen: 46.488 ug/l
RT: 1.40 min Scan# 253
Delta R.T. -0.00 min
Lab File: VU025034.D
Acq: 28 Jun 2018 20:44

Tgt Ion: 62 Resp: 119513
Ion Ratio Lower Upper
62 100
64 31.7 24.8 37.2





#5

Bromomethane

Concen: 61.422 ug/l

RT: 1.62 min Scan# 319

Delta R.T. -0.01 min

Lab File: VU025034.D

Acq: 28 Jun 2018 20:44

Instrument :

MSVOA_U

ClientSampleId :

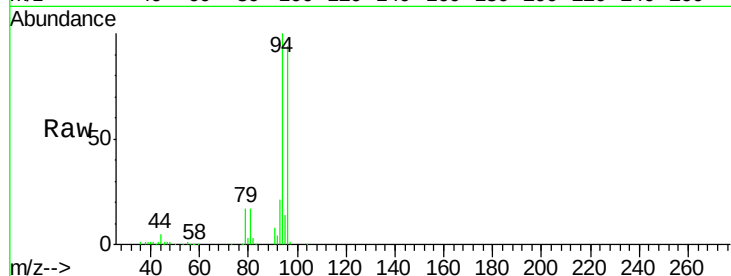
VSTDCCC050EC

Tgt Ion: 94 Resp: 76334

Ion Ratio Lower Upper

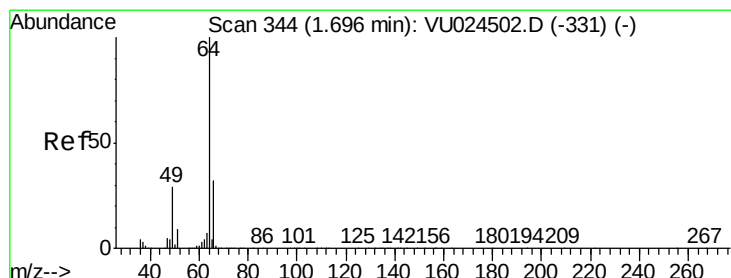
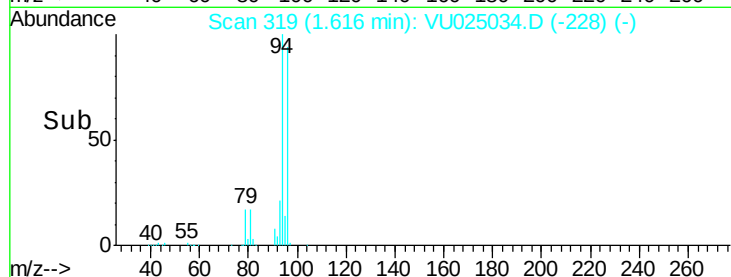
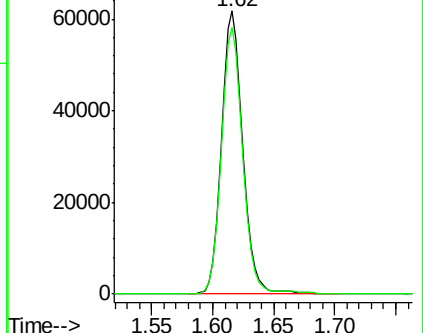
94 100

96 94.2 74.5 111.7



Abundance Ion 93.90 (93.60 to 94.60): VU024502.D (-311) (-)

Ion 95.90 (95.60 to 96.60): VU025034.D (-228) (-)



#6

Chloroethane

Concen: 54.246 ug/l

RT: 1.69 min Scan# 343

Delta R.T. -0.00 min

Lab File: VU025034.D

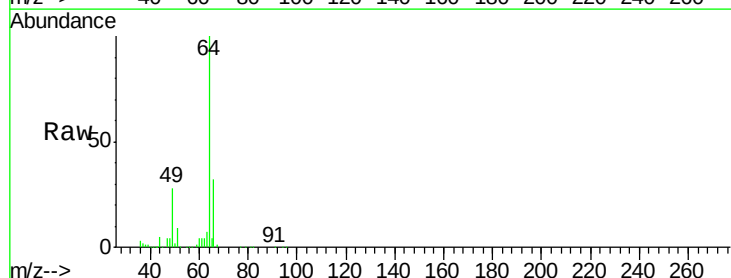
Acq: 28 Jun 2018 20:44

Tgt Ion: 64 Resp: 77798

Ion Ratio Lower Upper

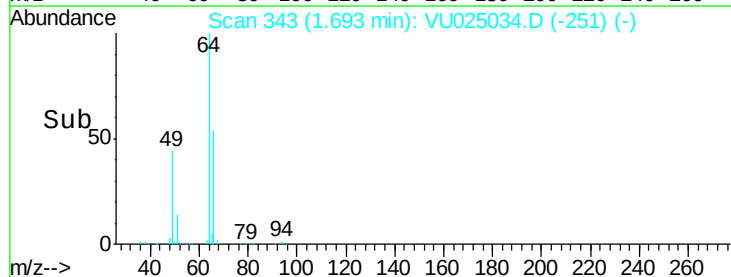
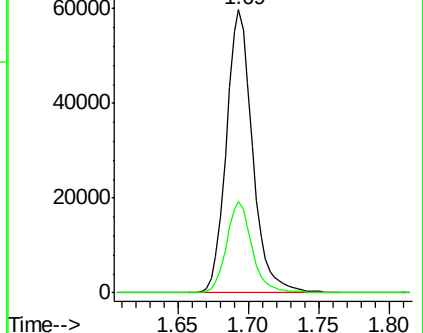
64 100

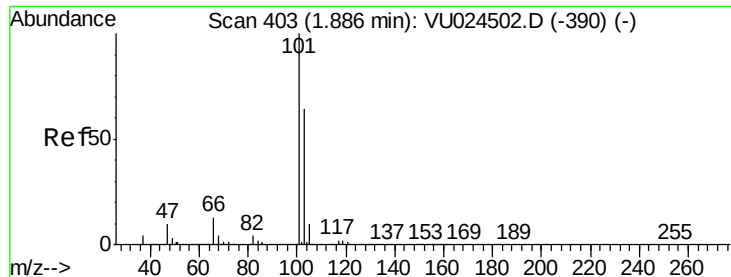
66 32.2 25.5 38.3



Abundance Ion 63.90 (63.60 to 64.60): VU024502.D (-331) (-)

Ion 65.90 (65.60 to 66.60): VU025034.D (-251) (-)



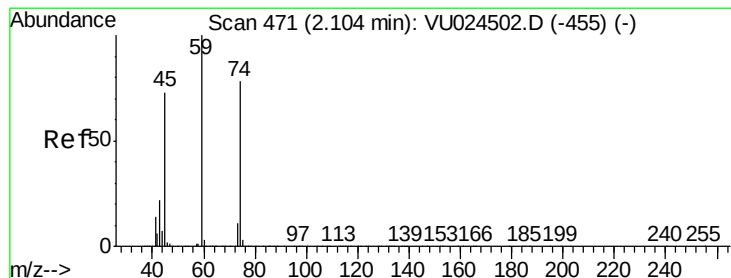
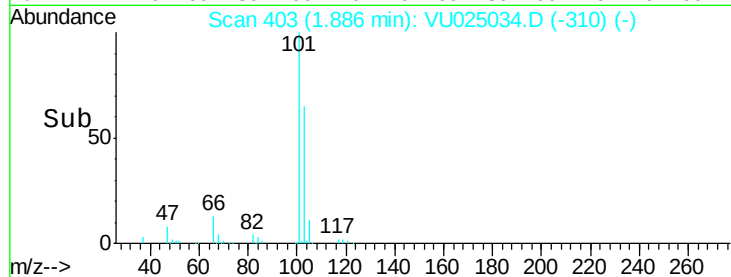
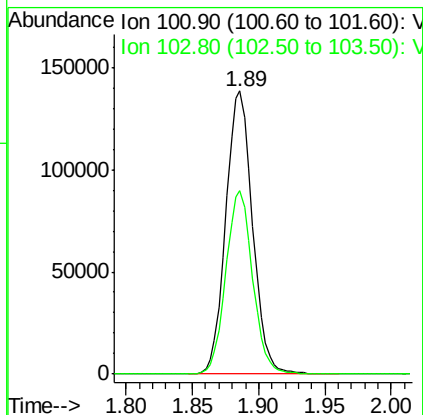
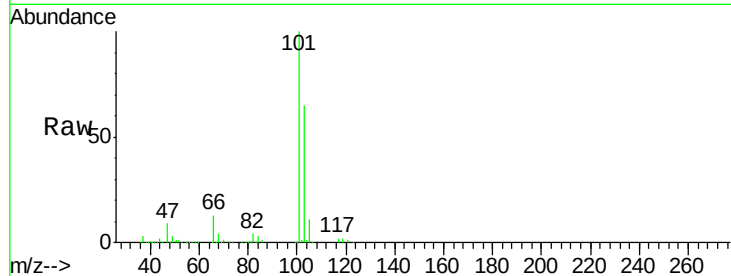


#7

Trichlorofluoromethane
 Concen: 49.537 ug/l
 RT: 1.89 min Scan# 403
 Delta R.T. 0.00 min
 Lab File: VU025034.D
 Acq: 28 Jun 2018 20:44

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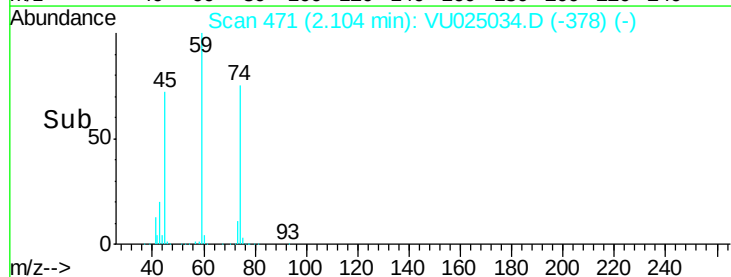
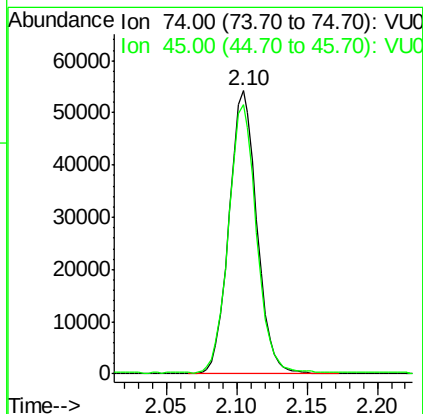
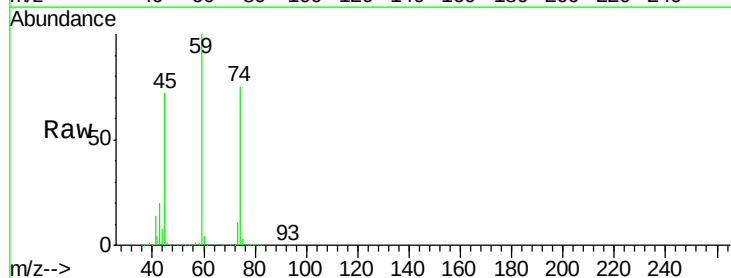
Tgt Ion:101 Resp: 194348
 Ion Ratio Lower Upper
 101 100
 103 64.7 52.3 78.5

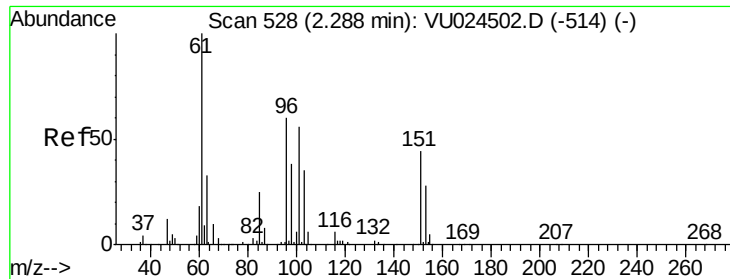


#8

Diethyl Ether
 Concen: 56.393 ug/l
 RT: 2.10 min Scan# 471
 Delta R.T. 0.00 min
 Lab File: VU025034.D
 Acq: 28 Jun 2018 20:44

Tgt Ion: 74 Resp: 74972
 Ion Ratio Lower Upper
 74 100
 45 95.2 55.0 165.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 47.217 ug/l

RT: 2.29 min Scan# 528

Delta R.T. 0.00 min

Lab File: VU025034.D

Acq: 28 Jun 2018 20:44

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

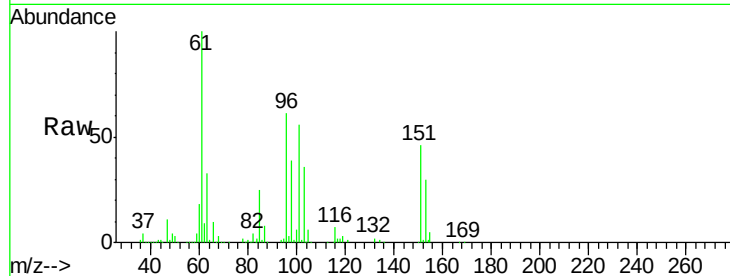
Tgt Ion:101 Resp: 114925

Ion Ratio Lower Upper

101 100

85 44.2 36.0 54.0

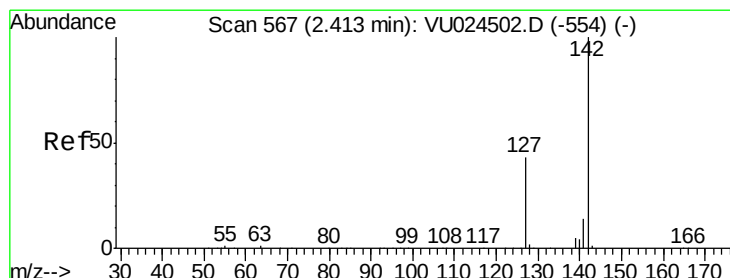
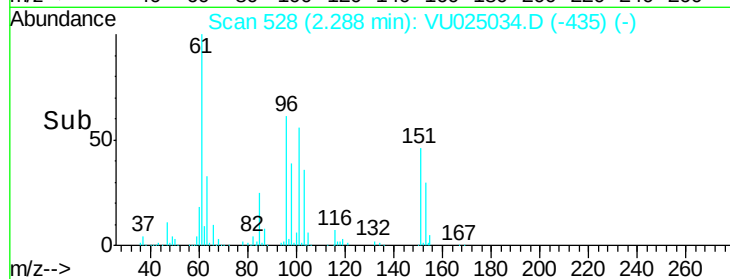
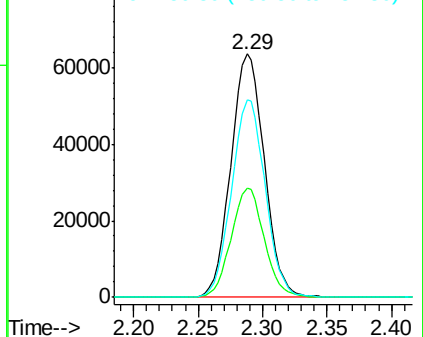
151 81.4 62.3 93.5



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: 65.710 ug/l

RT: 2.41 min Scan# 567

Delta R.T. 0.00 min

Lab File: VU025034.D

Acq: 28 Jun 2018 20:44

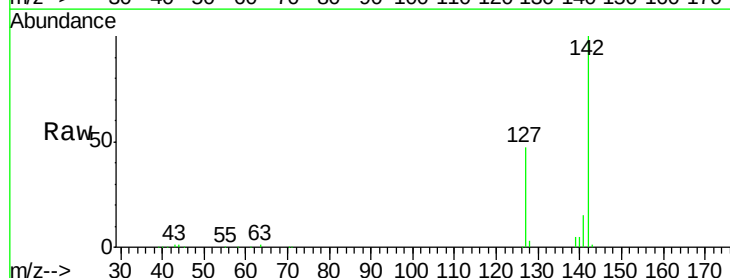
Tgt Ion:142 Resp: 139183

Ion Ratio Lower Upper

142 100

127 46.5 35.6 53.4

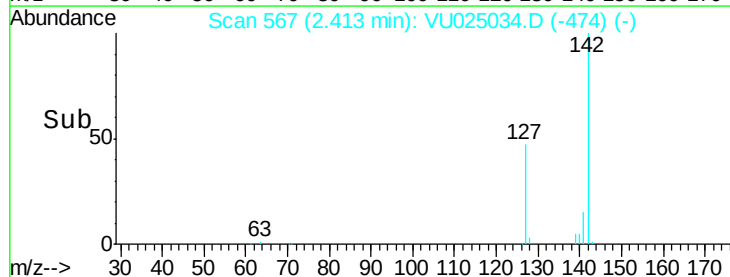
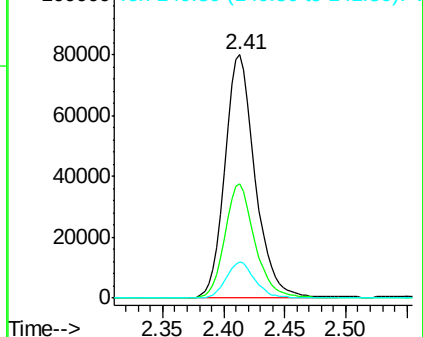
141 14.3 11.7 17.5

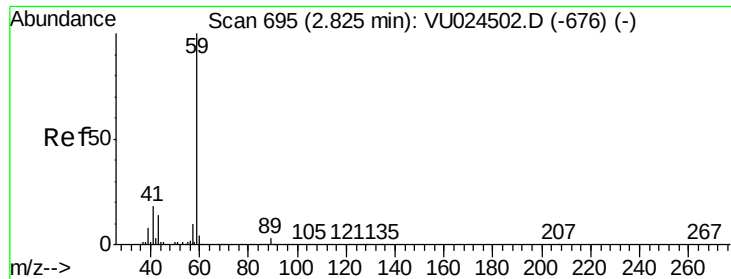


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

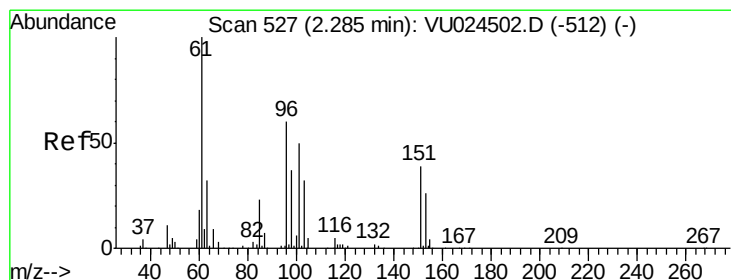
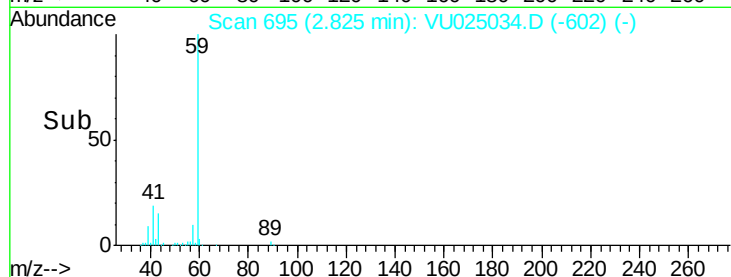
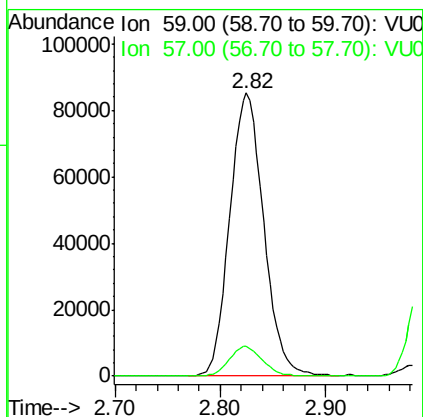
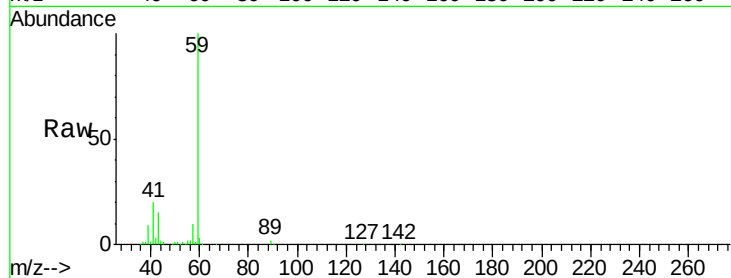




#11
Tert butyl alcohol
Concen: 245.852 ug/l
RT: 2.82 min Scan# 695
Delta R.T. -0.00 min
Lab File: VU025034.D
Acq: 28 Jun 2018 20:44

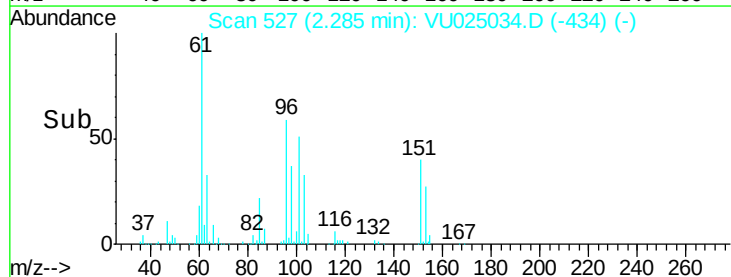
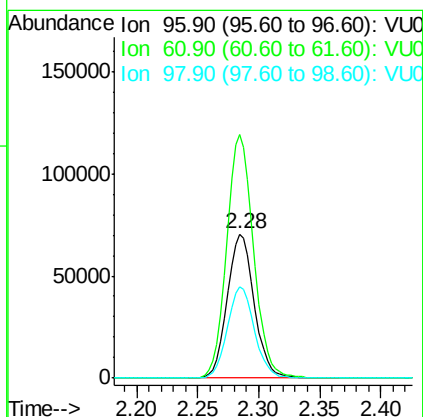
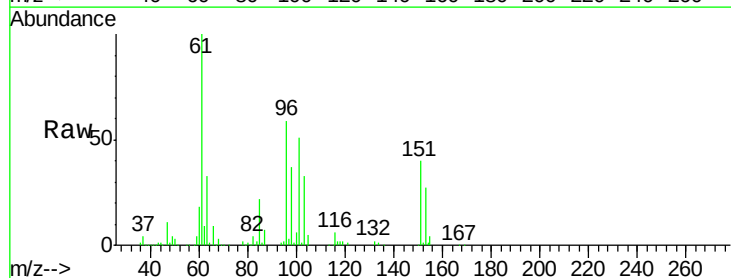
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

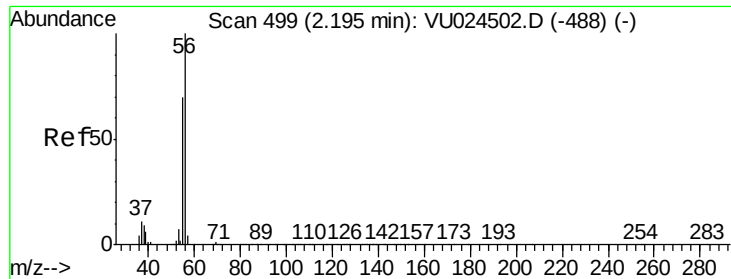
Tgt Ion: 59 Resp: 190287
Ion Ratio Lower Upper
59 100
57 10.3 8.5 12.7



#12
1,1-Dichloroethene
Concen: 49.375 ug/l
RT: 2.28 min Scan# 527
Delta R.T. 0.00 min
Lab File: VU025034.D
Acq: 28 Jun 2018 20:44

Tgt Ion: 96 Resp: 109596
Ion Ratio Lower Upper
96 100
61 169.0 141.7 212.5
98 63.3 51.6 77.4





#13

Acrolein

Concen: 88.416 ug/l

RT: 2.19 min Scan# 499

Delta R.T. -0.00 min

Lab File: VU025034.D

Acq: 28 Jun 2018 20:44

Instrument :

MSVOA_U

ClientSampleId :

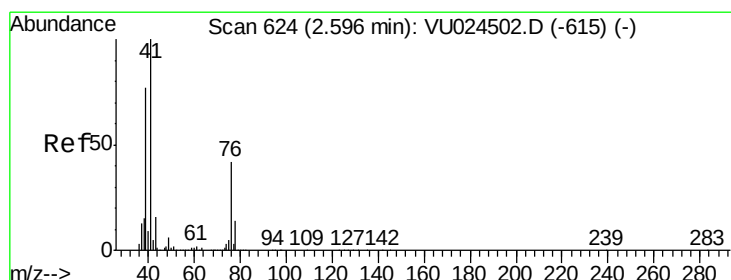
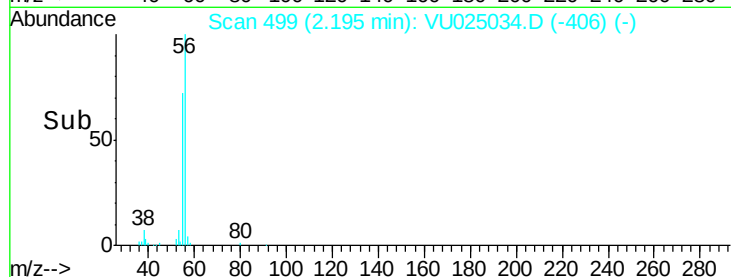
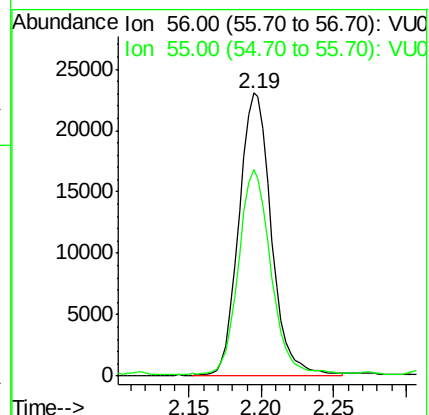
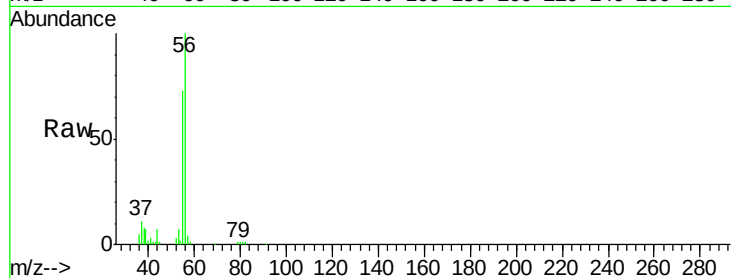
VSTDCCC050EC

Tgt Ion: 56 Resp: 35936

Ion Ratio Lower Upper

56 100

55 71.1 58.4 87.6



#14

Allyl chloride

Concen: 45.556 ug/l

RT: 2.59 min Scan# 623

Delta R.T. -0.00 min

Lab File: VU025034.D

Acq: 28 Jun 2018 20:44

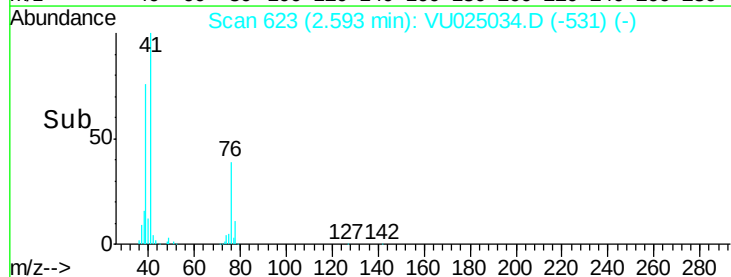
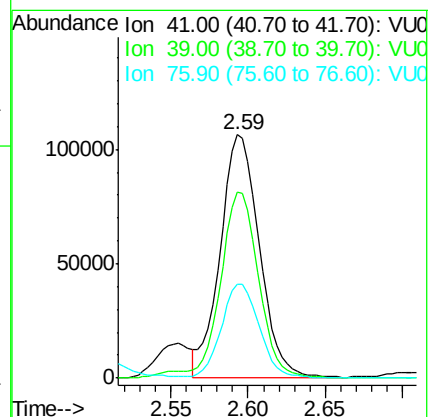
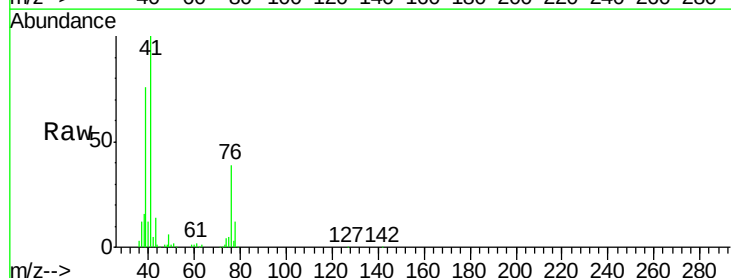
Tgt Ion: 41 Resp: 187749

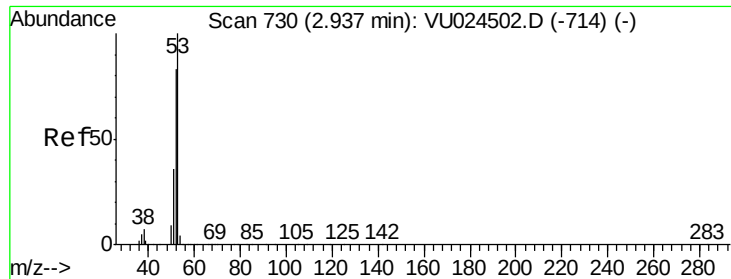
Ion Ratio Lower Upper

41 100

39 73.1 61.6 92.4

76 37.6 29.7 44.5





#15

Acrylonitrile

Concen: 259.398 ug/l

RT: 2.94 min Scan# 730

Delta R.T. -0.00 min

Lab File: VU025034.D

Acq: 28 Jun 2018 20:44

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

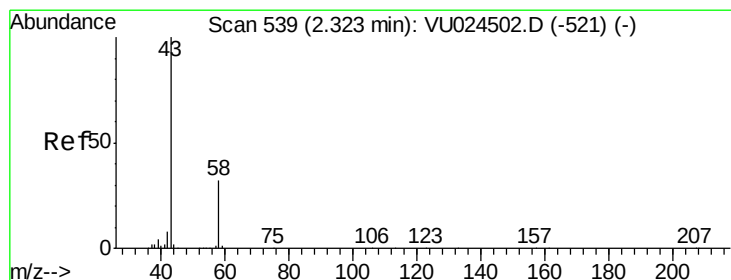
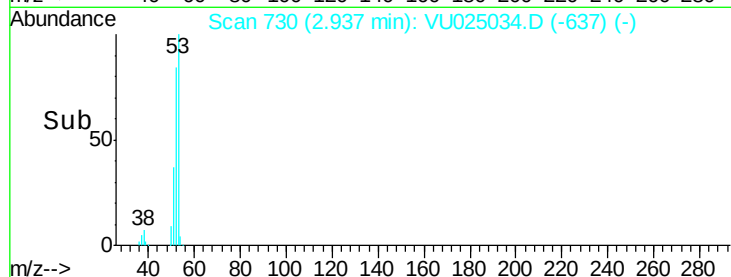
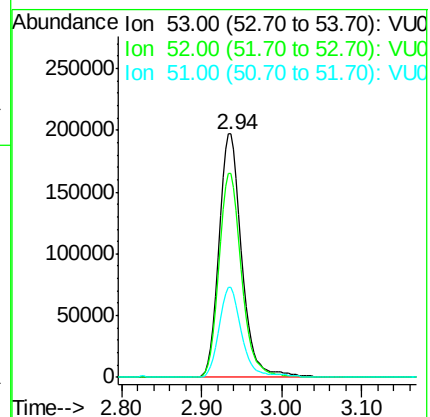
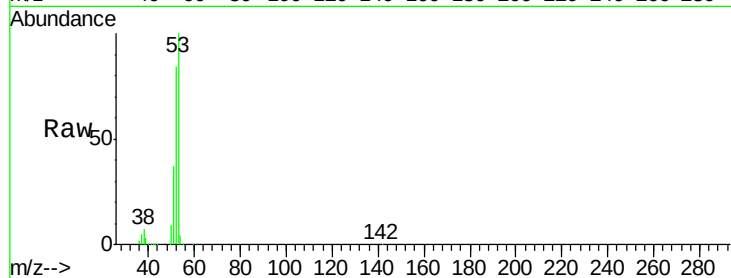
Tgt Ion: 53 Resp: 390624

Ion Ratio Lower Upper

53 100

52 83.2 67.1 100.7

51 37.1 28.4 42.6



#16

Acetone

Concen: 213.351 ug/l

RT: 2.32 min Scan# 538

Delta R.T. -0.00 min

Lab File: VU025034.D

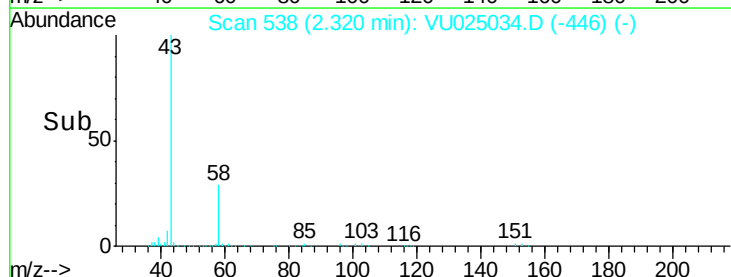
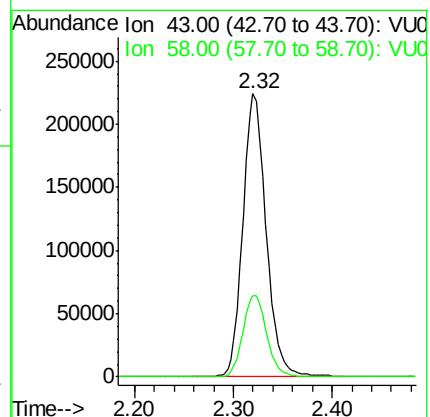
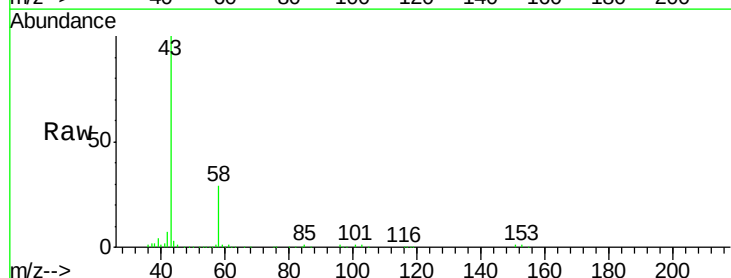
Acq: 28 Jun 2018 20:44

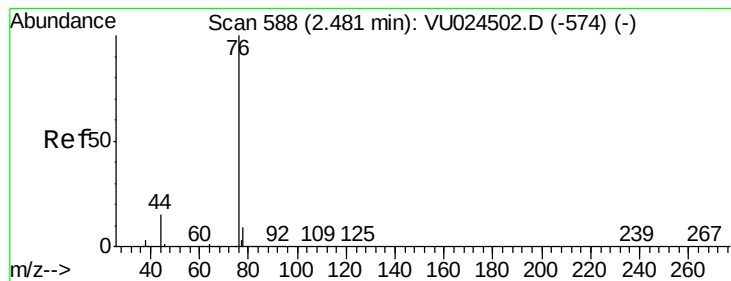
Tgt Ion: 43 Resp: 364809

Ion Ratio Lower Upper

43 100

58 28.6 24.4 36.6





#17

Carbon Disulfide

Concen: 43.467 ug/l

RT: 2.48 min Scan# 588

Delta R.T. 0.00 min

Lab File: VU025034.D

Acq: 28 Jun 2018 20:44

Instrument :

MSVOA_U

ClientSampleId :

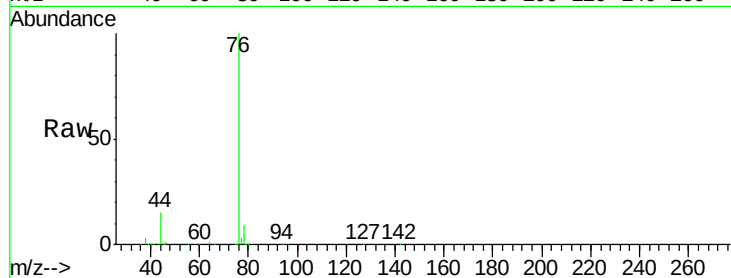
VSTDCCC050EC

Tgt Ion: 76 Resp: 308936

Ion Ratio Lower Upper

76 100

78 9.1 7.1 10.7



Abundance Ion 75.90 (75.60 to 76.60): VU0

Ion 77.90 (77.60 to 78.60): VU0

2.48

200000

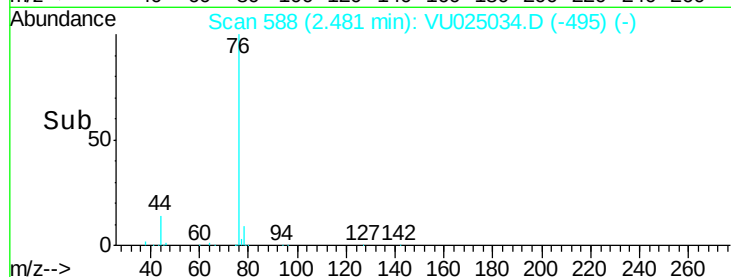
150000

100000

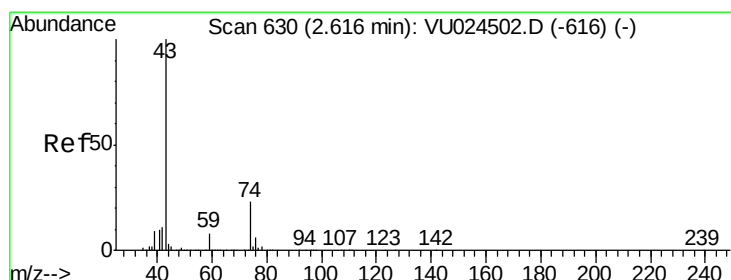
50000

0

Time-->



Time-->



#18

Methyl Acetate

Concen: 61.298 ug/l

RT: 2.62 min Scan# 630

Delta R.T. -0.00 min

Lab File: VU025034.D

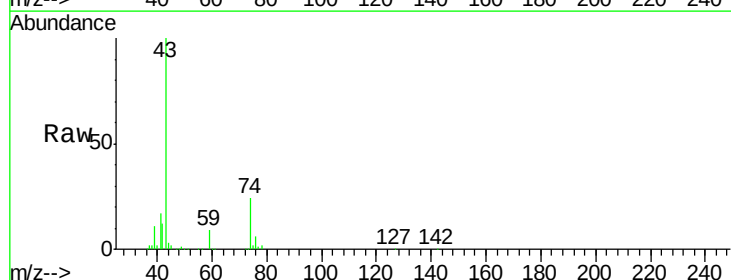
Acq: 28 Jun 2018 20:44

Tgt Ion: 43 Resp: 224700

Ion Ratio Lower Upper

43 100

74 23.6 18.0 27.0



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 74.00 (73.70 to 74.70): VU0

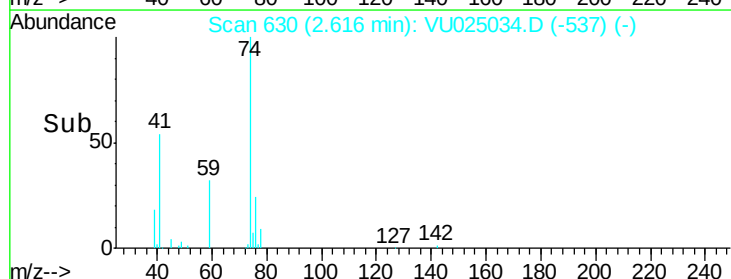
150000

100000

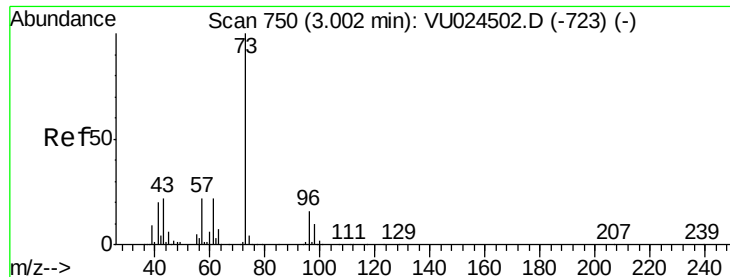
50000

0

Time-->



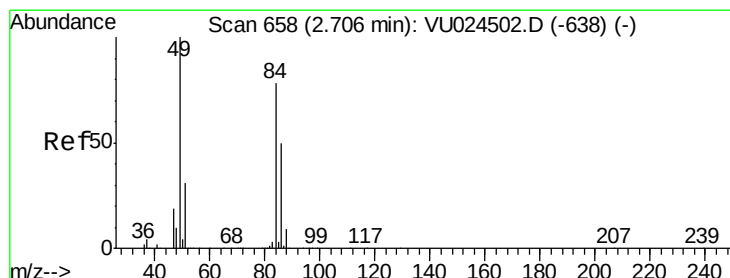
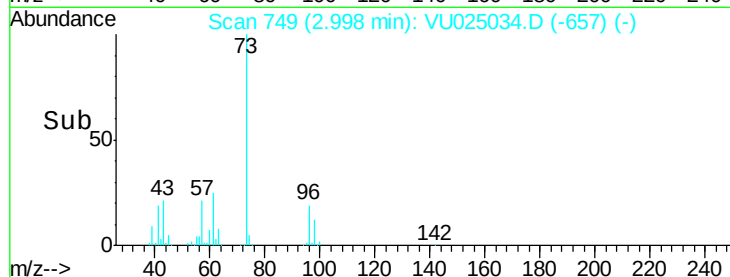
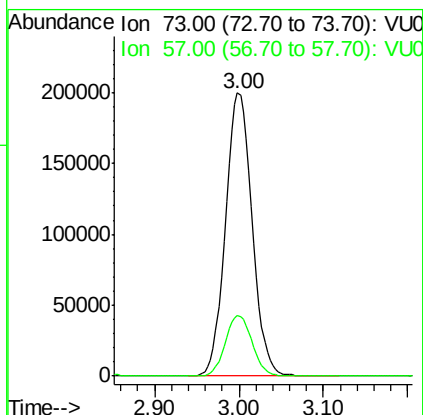
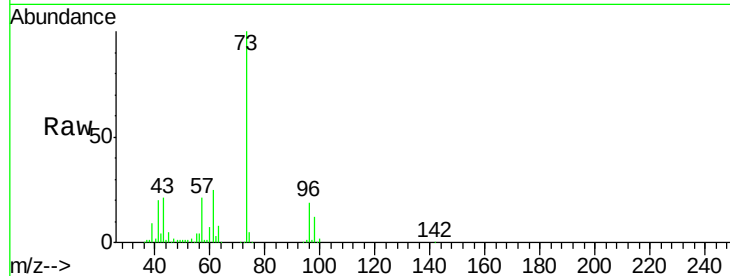
Time-->



#19
Methyl tert-butyl Ether
Concen: 52.428 ug/l
RT: 3.00 min Scan# 749
Delta R.T. -0.00 min
Lab File: VU025034.D
Acq: 28 Jun 2018 20:44

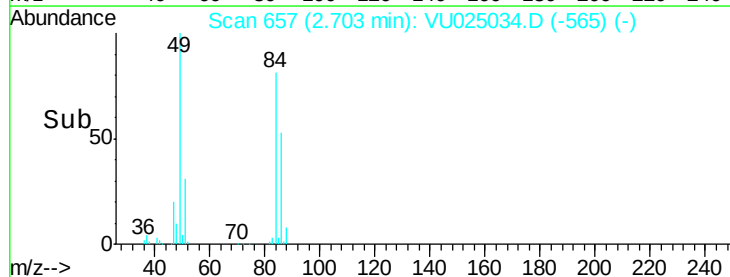
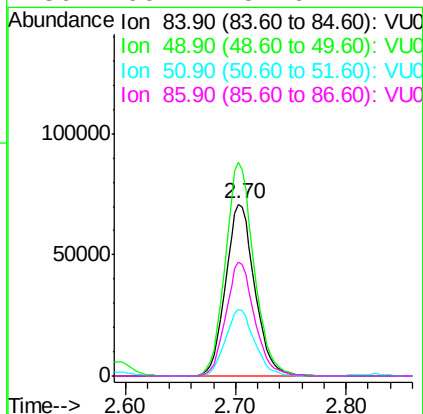
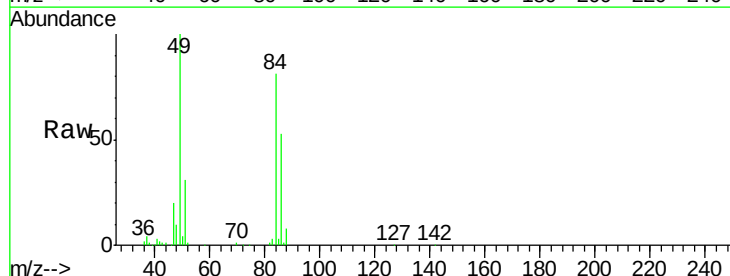
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

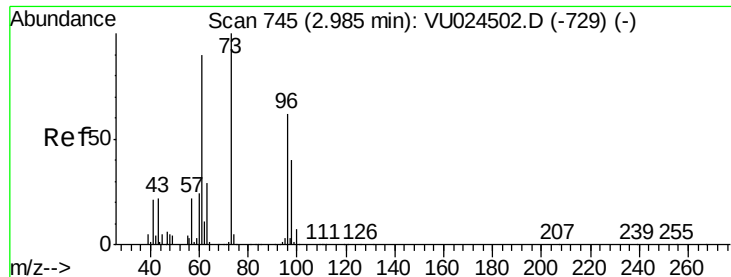
Tgt Ion: 73 Resp: 437440
Ion Ratio Lower Upper
73 100
57 21.4 18.8 28.2



#20
Methylene Chloride
Concen: 48.238 ug/l
RT: 2.70 min Scan# 657
Delta R.T. -0.00 min
Lab File: VU025034.D
Acq: 28 Jun 2018 20:44

Tgt Ion: 84 Resp: 129420
Ion Ratio Lower Upper
84 100
49 124.1 103.8 155.8
51 38.9 32.0 48.0
86 66.2 51.6 77.4





#21

trans-1,2-Dichloroethene

Concen: 49.466 ug/l

RT: 2.99 min Scan# 745

Delta R.T. 0.00 min

Lab File: VU025034.D

Acq: 28 Jun 2018 20:44

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

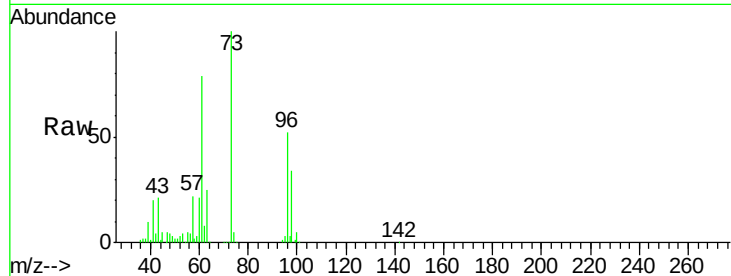
Tgt Ion: 96 Resp: 120930

Ion Ratio Lower Upper

96 100

61 152.4 119.4 179.0

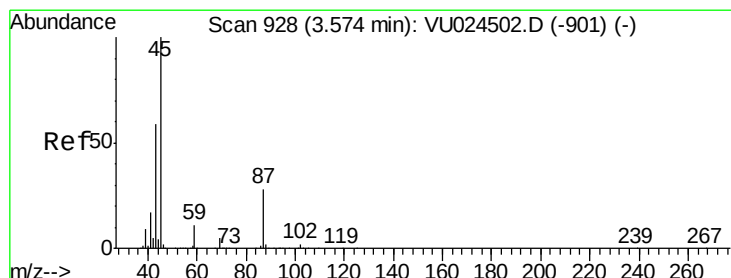
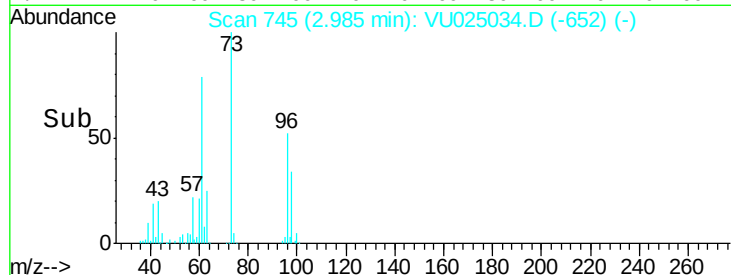
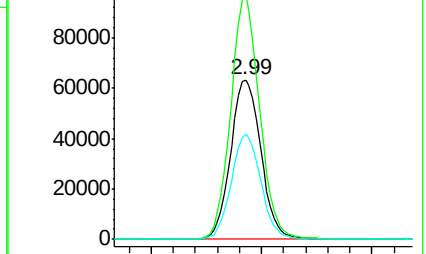
98 65.9 51.1 76.7



Abundance Ion 95.90 (95.60 to 96.60): VU024502.D (-729) (-)

Ion 60.90 (60.60 to 61.60): VU024502.D (-729) (-)

Ion 97.90 (97.60 to 98.60): VU024502.D (-729) (-)



#22

Diisopropyl ether

Concen: 50.790 ug/l

RT: 3.57 min Scan# 928

Delta R.T. -0.00 min

Lab File: VU025034.D

Acq: 28 Jun 2018 20:44

Tgt Ion: 45 Resp: 414950

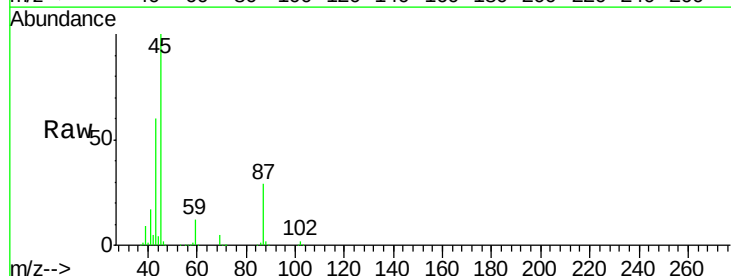
Ion Ratio Lower Upper

45 100

43 59.0 45.8 68.6

87 29.0 20.6 31.0

59 11.9 9.4 14.0

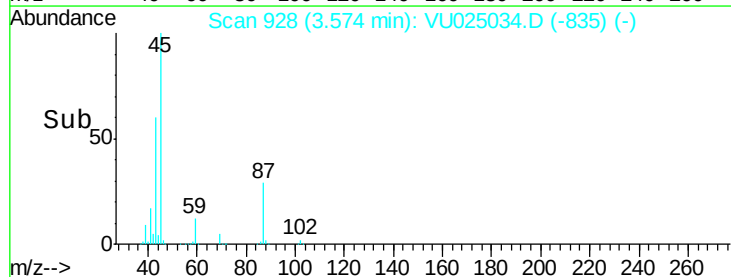
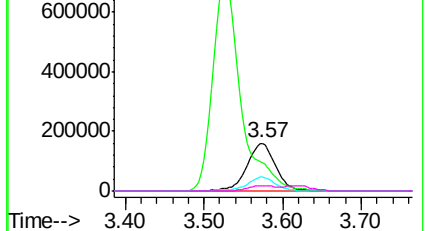


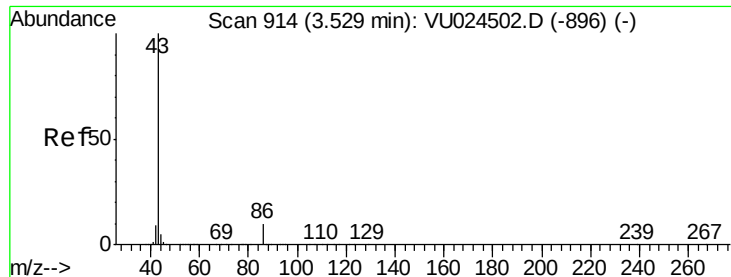
Abundance Ion 45.00 (44.70 to 45.70): VU024502.D (-901) (-)

Ion 43.00 (42.70 to 43.70): VU024502.D (-901) (-)

Ion 87.00 (86.70 to 87.70): VU024502.D (-901) (-)

Ion 59.00 (58.70 to 59.70): VU024502.D (-901) (-)





#23

Vinyl Acetate

Concen: 240.284 ug/l

RT: 3.53 min Scan# 913

Delta R.T. -0.00 min

Lab File: VU025034.D

Acq: 28 Jun 2018 20:44

Instrument :

MSVOA_U

ClientSampleId :

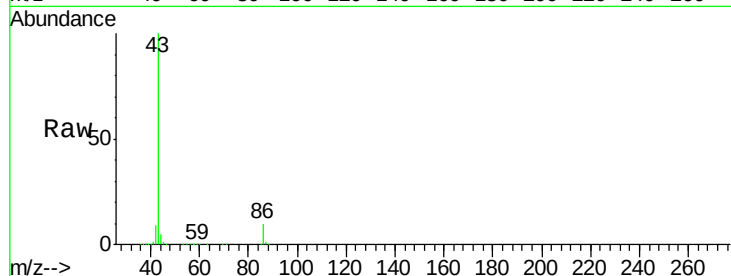
VSTDCCC050EC

Tgt Ion: 43 Resp: 1758521

Ion Ratio Lower Upper

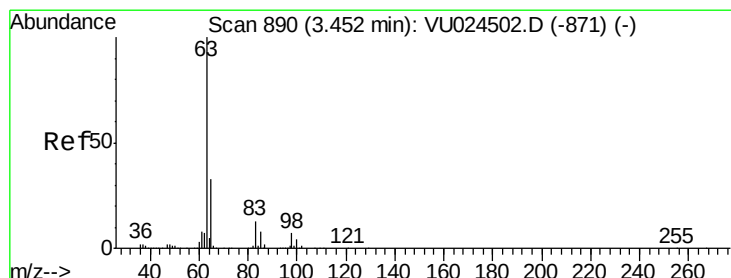
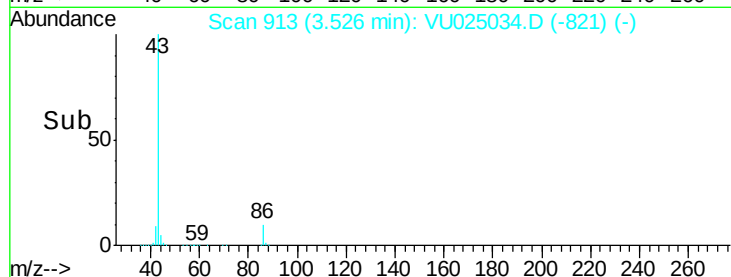
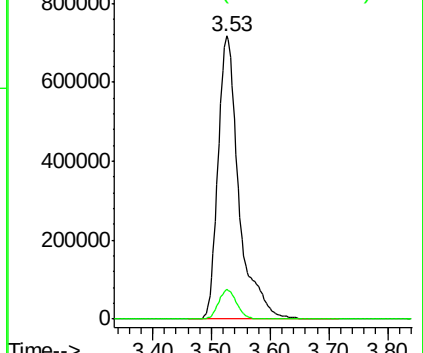
43 100

86 10.4 7.8 11.8



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 86.00 (85.70 to 86.70): VU0



#24

1,1-Dichloroethane

Concen: 50.592 ug/l

RT: 3.45 min Scan# 889

Delta R.T. -0.00 min

Lab File: VU025034.D

Acq: 28 Jun 2018 20:44

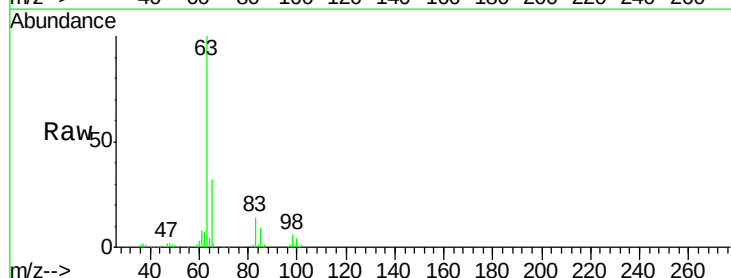
Tgt Ion: 63 Resp: 237778

Ion Ratio Lower Upper

63 100

98 6.4 3.5 10.4

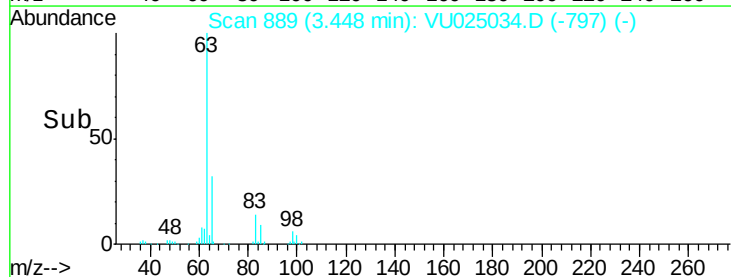
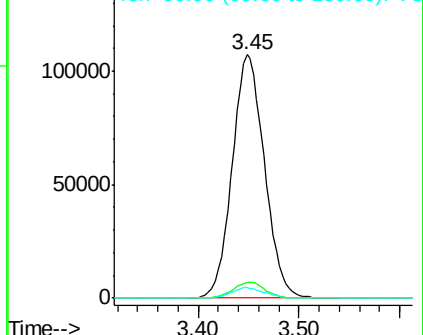
100 4.2 1.8 5.5

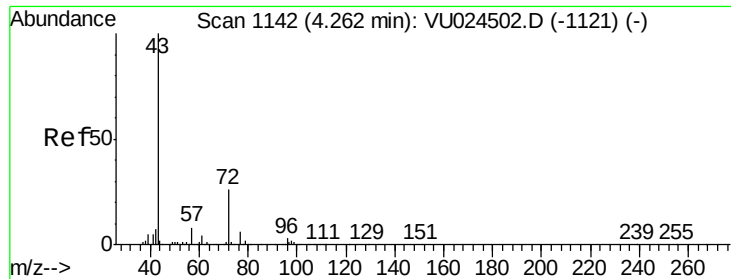


Abundance Ion 62.90 (62.60 to 63.60): VU0

Ion 97.90 (97.60 to 98.60): VU0

Ion 99.90 (99.60 to 100.60): VU0





#25

2-Butanone

Concen: 246.912 ug/l

RT: 4.26 min Scan# 1142

Delta R.T. 0.00 min

Lab File: VU025034.D

Acq: 28 Jun 2018 20:44

Instrument :

MSVOA_U

ClientSampleId :

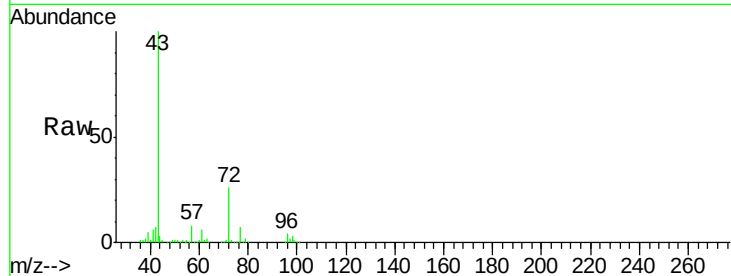
VSTDCCC050EC

Tgt Ion: 43 Resp: 567103

Ion Ratio Lower Upper

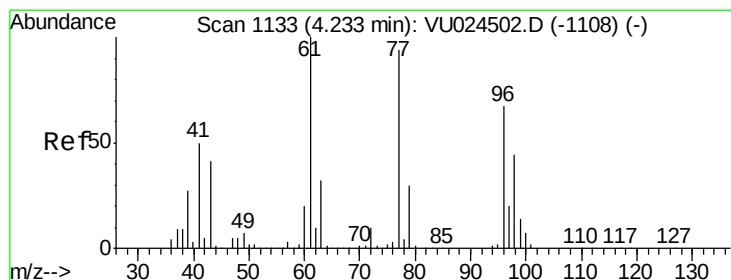
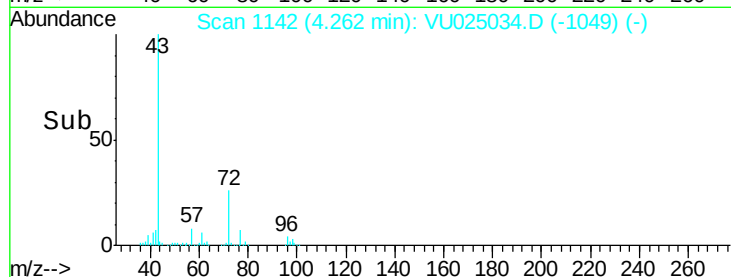
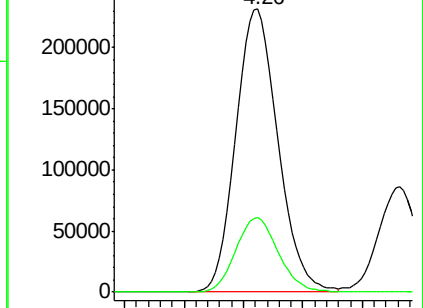
43 100

72 26.3 19.6 29.4



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 72.00 (71.70 to 72.70): VU0



#26

2,2-Dichloropropane

Concen: 40.446 ug/l

RT: 4.23 min Scan# 1133

Delta R.T. -0.00 min

Lab File: VU025034.D

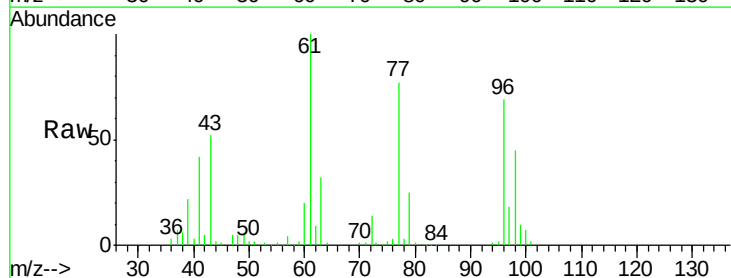
Acq: 28 Jun 2018 20:44

Tgt Ion: 77 Resp: 180501

Ion Ratio Lower Upper

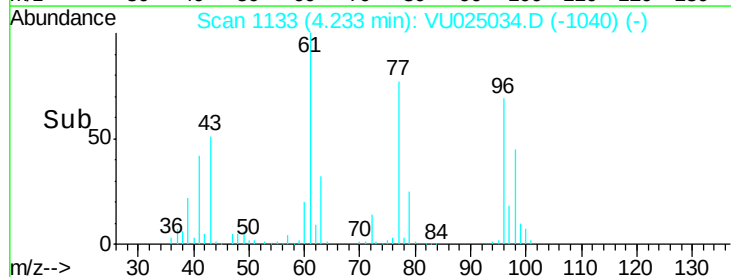
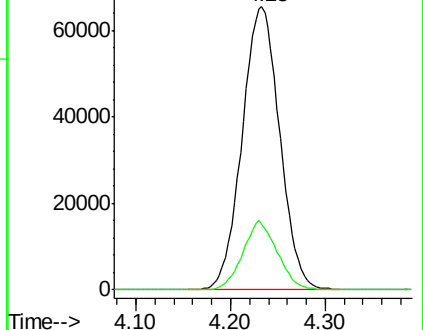
77 100

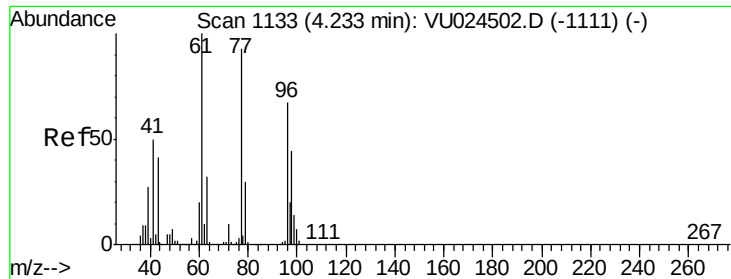
97 22.3 11.3 33.8



Abundance Ion 76.90 (76.60 to 77.60): VU0

Ion 96.90 (96.60 to 97.60): VU0

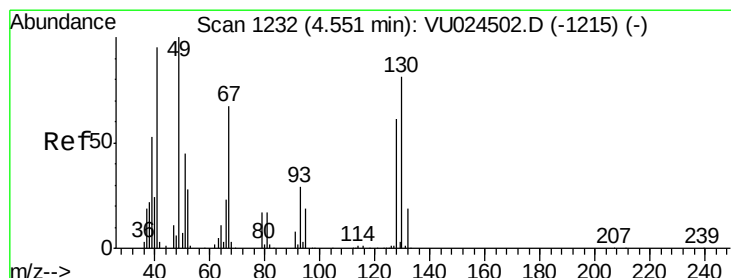
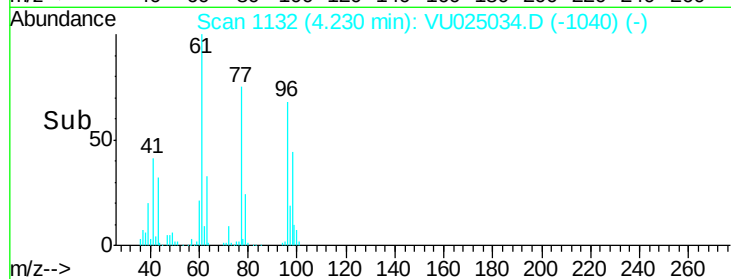
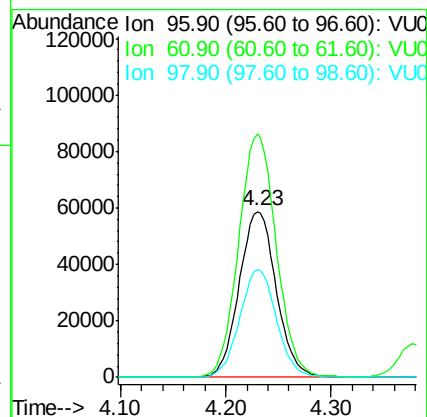
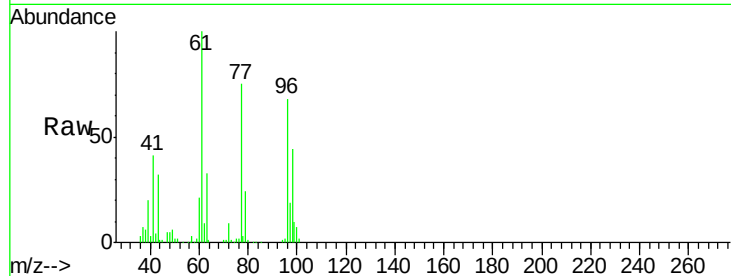




#27
 cis-1,2-Dichloroethene
 Concen: 51.094 ug/l
 RT: 4.23 min Scan# 1132
 Delta R.T. -0.00 min
 Lab File: VU025034.D
 Acq: 28 Jun 2018 20:44

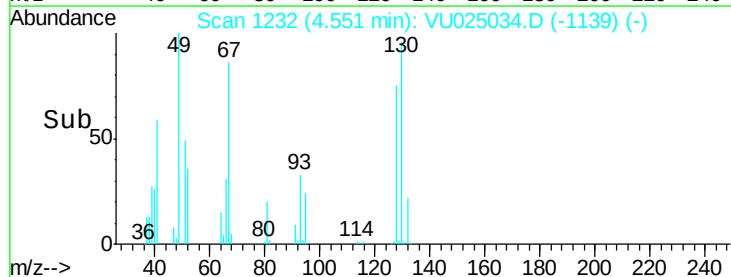
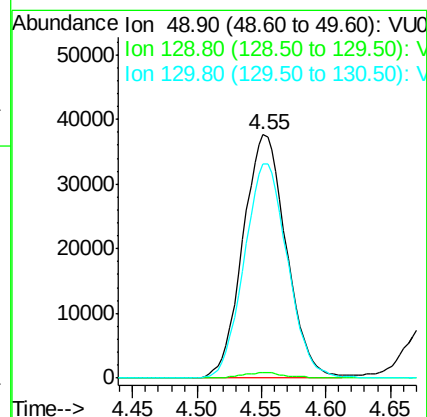
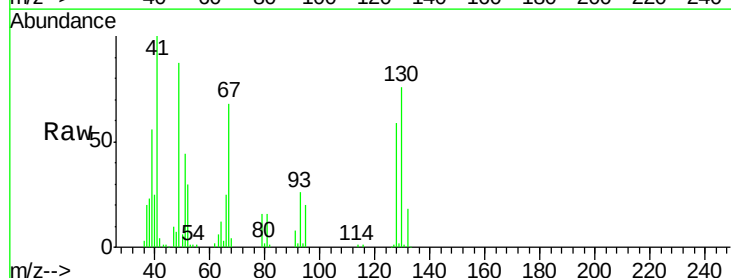
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

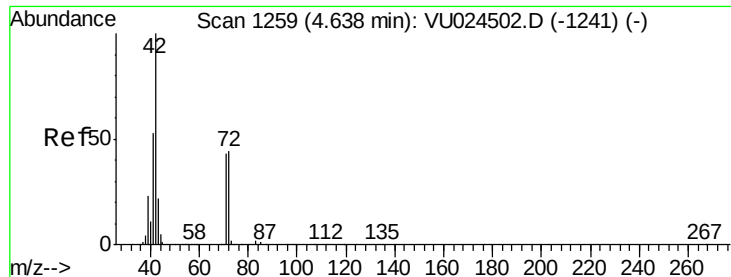
Tgt Ion: 96 Resp: 143606
 Ion Ratio Lower Upper
 96 100
 61 148.9 0.0 306.6
 98 64.6 0.0 128.8



#28
 Bromochloromethane
 Concen: 42.613 ug/l
 RT: 4.55 min Scan# 1232
 Delta R.T. -0.00 min
 Lab File: VU025034.D
 Acq: 28 Jun 2018 20:44

Tgt Ion: 49 Resp: 88215
 Ion Ratio Lower Upper
 49 100
 129 2.2 0.0 3.8
 130 88.2 57.8 86.6#





#29

Tetrahydrofuran

Concen: 257.332 ug/l

RT: 4.63 min Scan# 1258

Delta R.T. -0.00 min

Lab File: VU025034.D

Acq: 28 Jun 2018 20:44

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

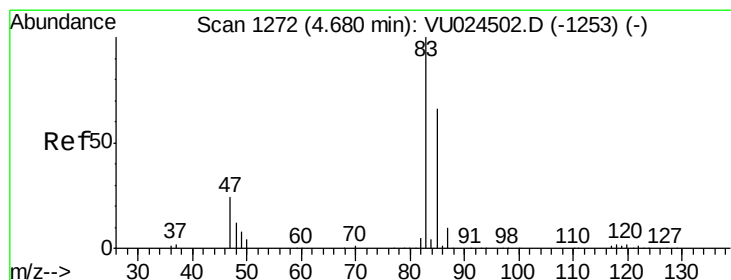
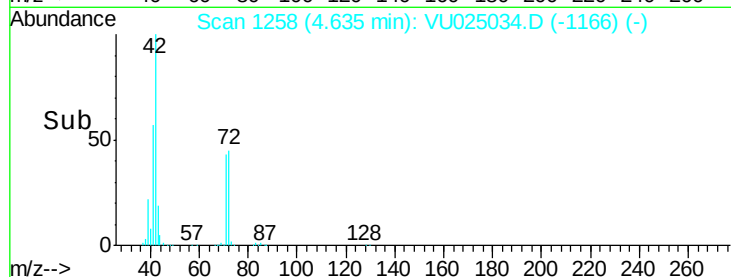
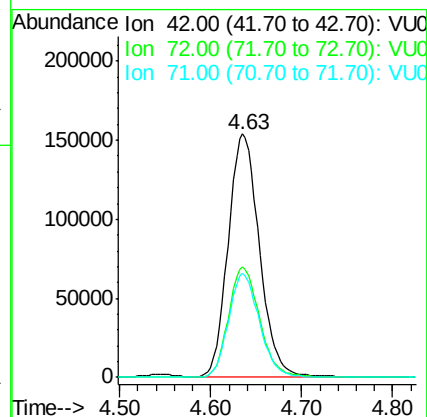
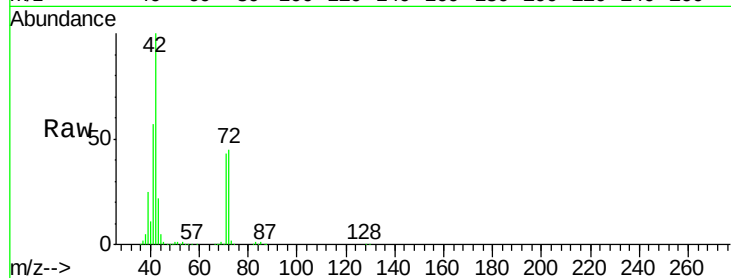
Tgt Ion: 42 Resp: 366010

Ion Ratio Lower Upper

42 100

72 45.4 34.5 51.7

71 42.2 32.2 48.4



#30

Chloroform

Concen: 52.062 ug/l

RT: 4.68 min Scan# 1271

Delta R.T. -0.00 min

Lab File: VU025034.D

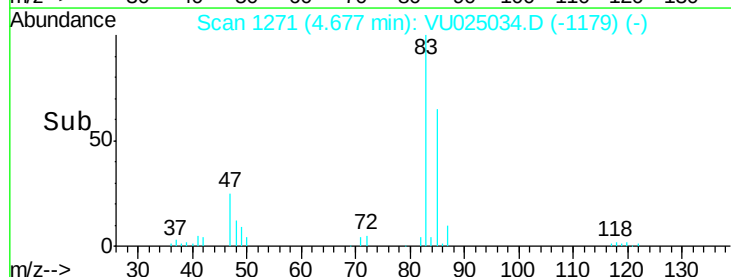
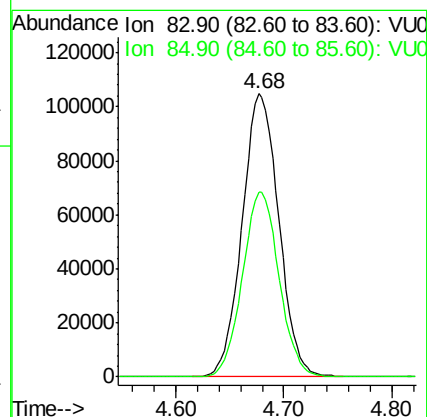
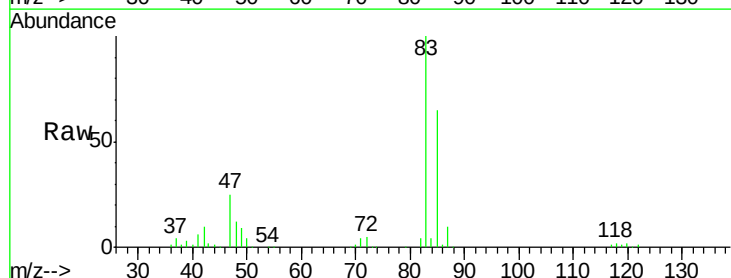
Acq: 28 Jun 2018 20:44

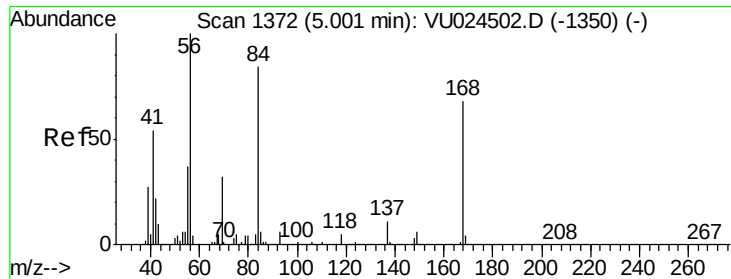
Tgt Ion: 83 Resp: 247662

Ion Ratio Lower Upper

83 100

85 65.4 52.4 78.6

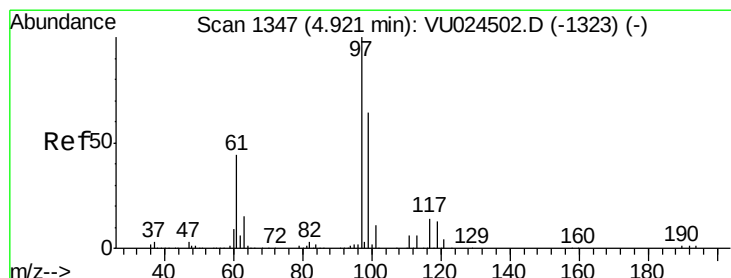
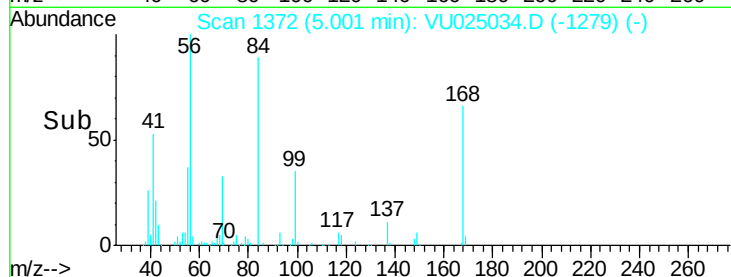
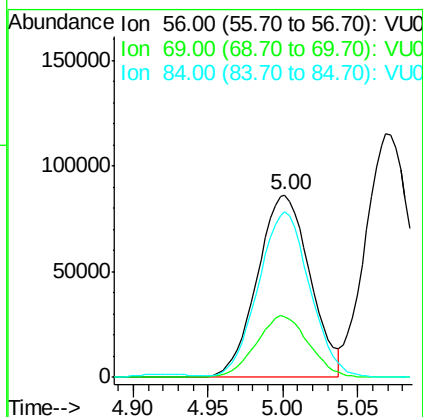
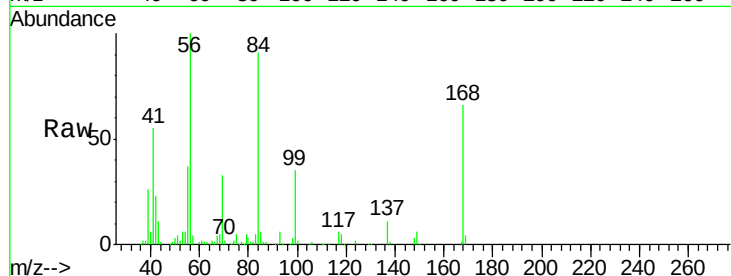




#31
Cyclohexane
Concen: 50.607 ug/l
RT: 5.00 min Scan# 1372
Delta R.T. 0.00 min
Lab File: VU025034.D
Acq: 28 Jun 2018 20:44

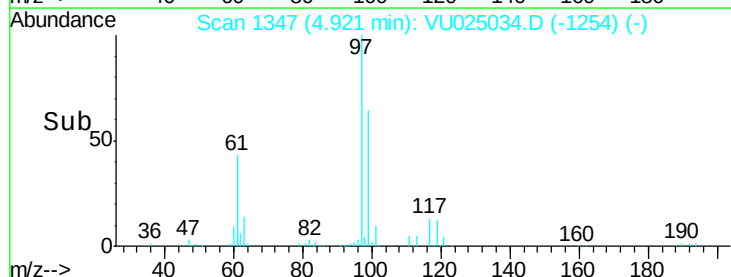
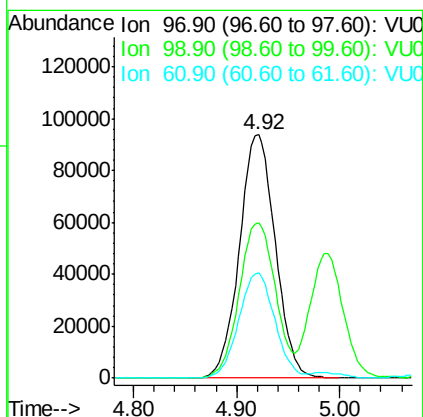
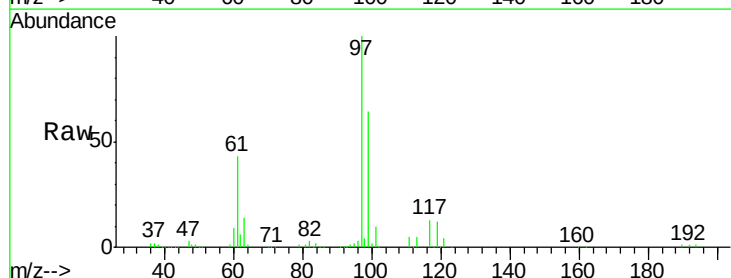
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

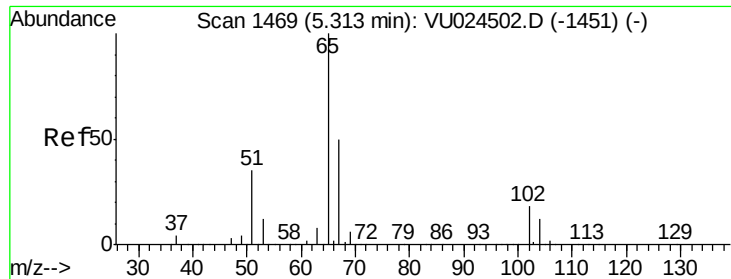
Tgt Ion: 56 Resp: 211117
Ion Ratio Lower Upper
56 100
69 33.4 24.8 37.2
84 89.7 65.2 97.8



#32
1,1,1-Trichloroethane
Concen: 51.520 ug/l
RT: 4.92 min Scan# 1347
Delta R.T. 0.00 min
Lab File: VU025034.D
Acq: 28 Jun 2018 20:44

Tgt Ion: 97 Resp: 226636
Ion Ratio Lower Upper
97 100
99 65.1 51.0 76.6
61 43.4 39.4 59.0

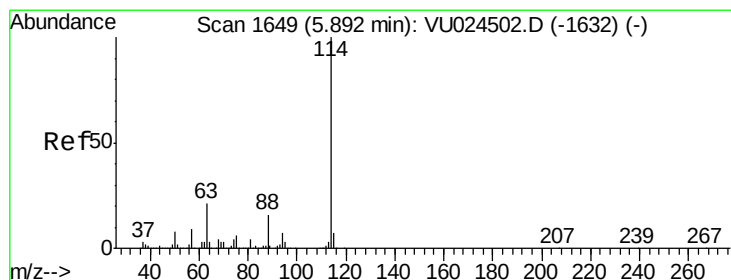
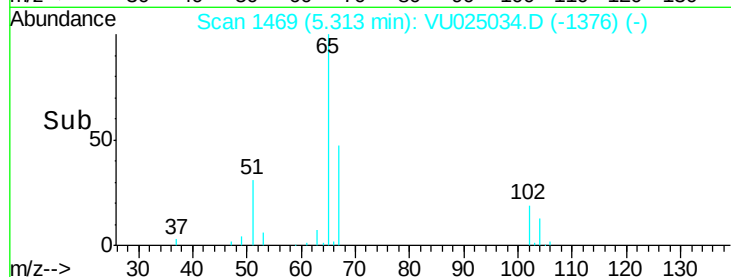
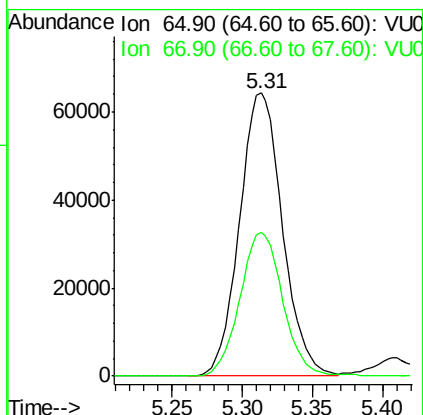
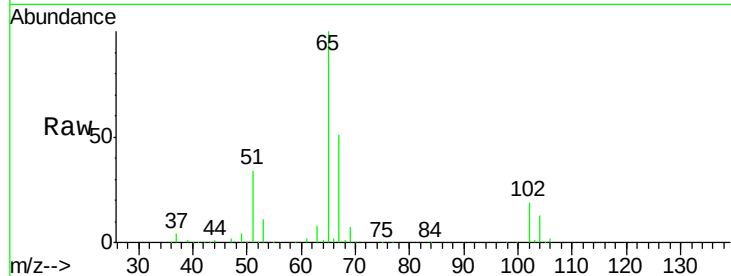




#33
 1,2-Dichloroethane-d4
 Concen: 43.006 ug/l
 RT: 5.31 min Scan# 1469
 Delta R.T. 0.00 min
 Lab File: VU025034.D
 Acq: 28 Jun 2018 20:44

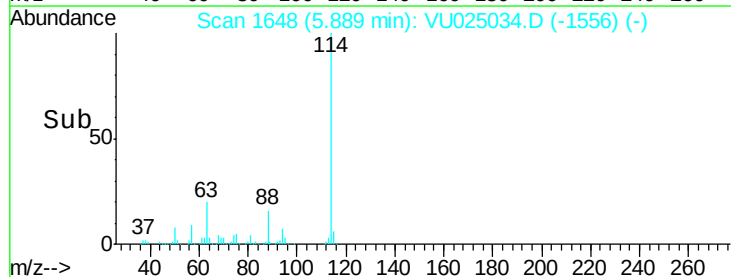
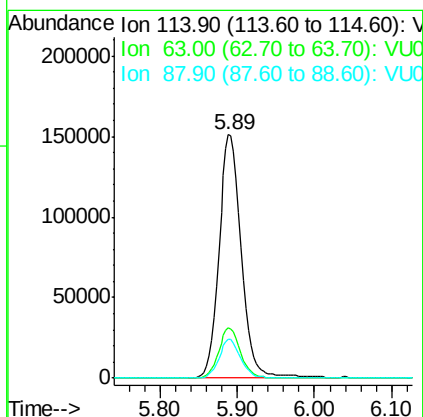
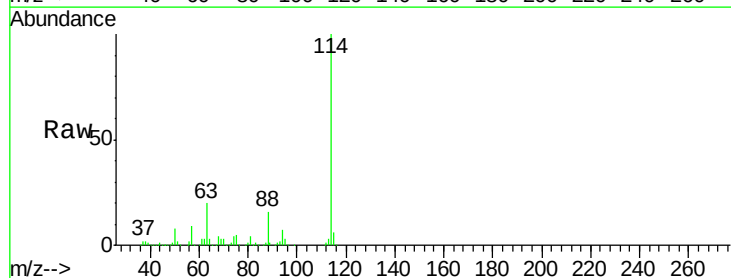
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

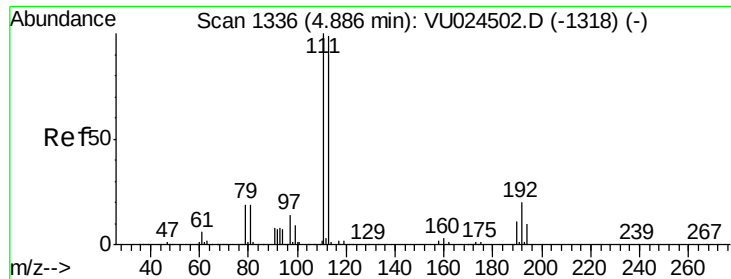
Tgt Ion: 65 Resp: 136861
 Ion Ratio Lower Upper
 65 100
 67 50.6 0.0 107.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.89 min Scan# 1648
 Delta R.T. -0.00 min
 Lab File: VU025034.D
 Acq: 28 Jun 2018 20:44

Tgt Ion: 114 Resp: 304807
 Ion Ratio Lower Upper
 114 100
 63 20.5 0.0 45.4
 88 16.1 0.0 31.0

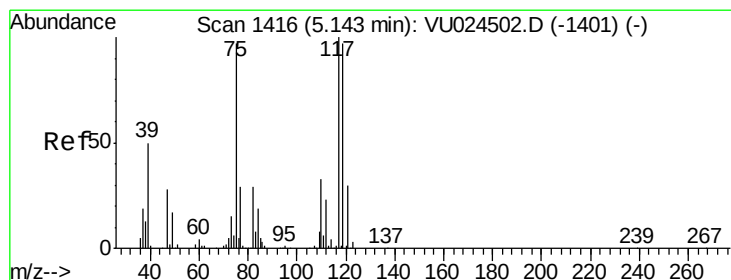
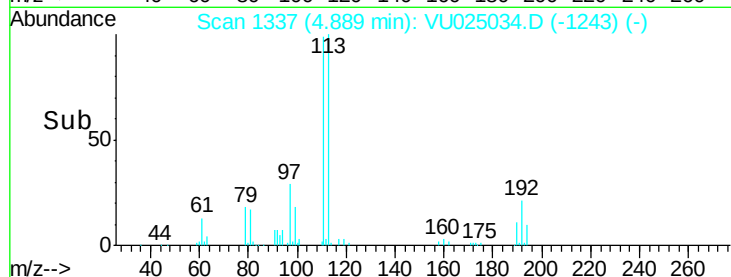
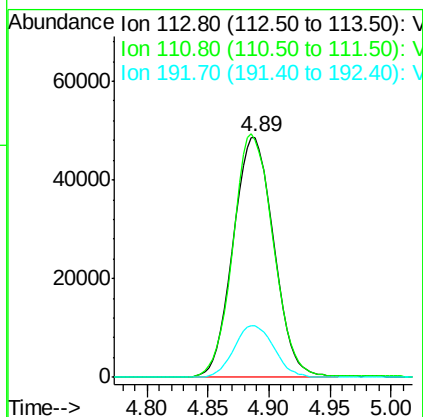
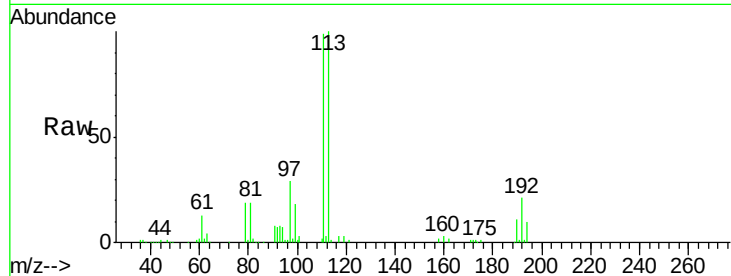




#35
 Dibromofluoromethane
 Concen: 44.363 ug/l
 RT: 4.89 min Scan# 1337
 Delta R.T. 0.00 min
 Lab File: VU025034.D
 Acq: 28 Jun 2018 20:44

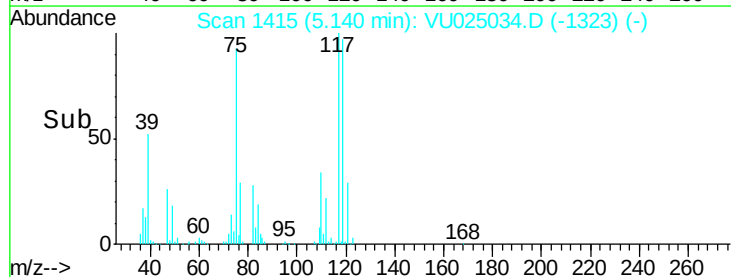
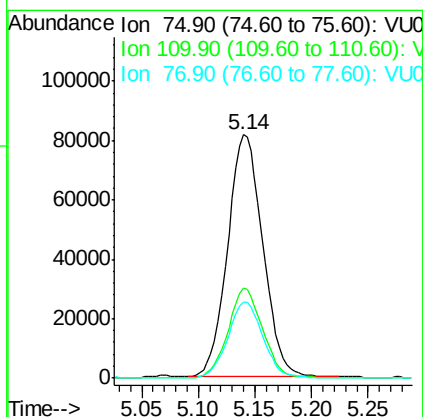
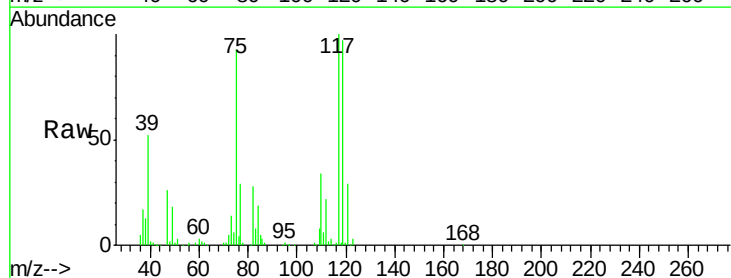
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

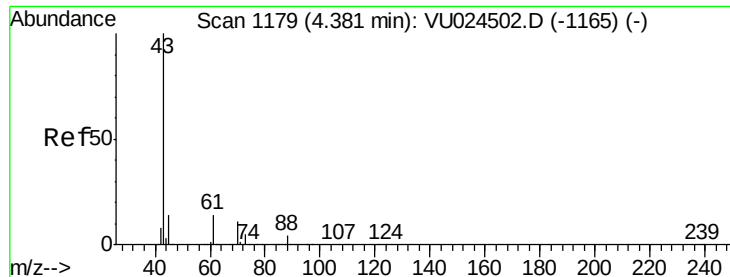
Tgt Ion:113 Resp: 112224
 Ion Ratio Lower Upper
 113 100
 111 100.8 82.2 123.4
 192 21.3 16.2 24.4



#36
 1,1-Dichloropropene
 Concen: 49.302 ug/l
 RT: 5.14 min Scan# 1415
 Delta R.T. -0.00 min
 Lab File: VU025034.D
 Acq: 28 Jun 2018 20:44

Tgt Ion: 75 Resp: 176587
 Ion Ratio Lower Upper
 75 100
 110 36.4 17.0 50.9
 77 30.8 24.2 36.4

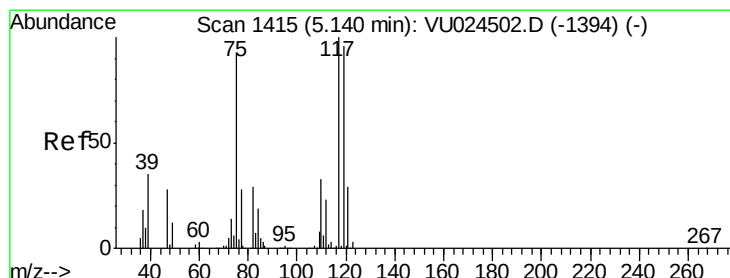
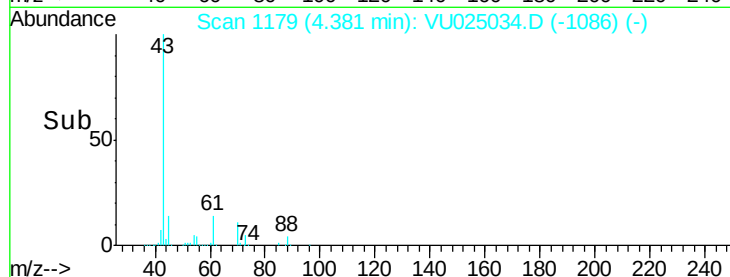
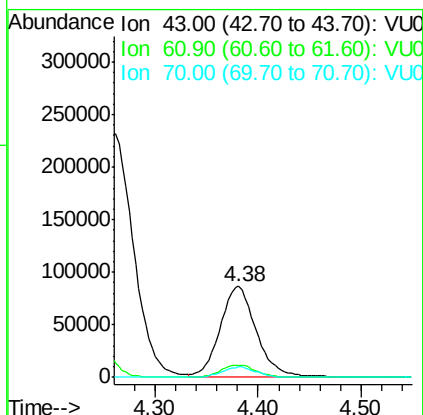
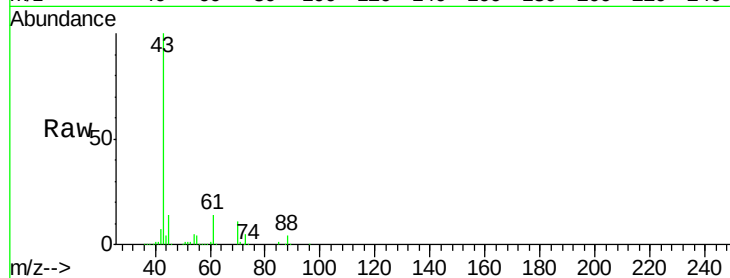




#37
 Ethyl Acetate
 Concen: 53.217 ug/l
 RT: 4.38 min Scan# 1179
 Delta R.T. 0.00 min
 Lab File: VU025034.D
 Acq: 28 Jun 2018 20:44

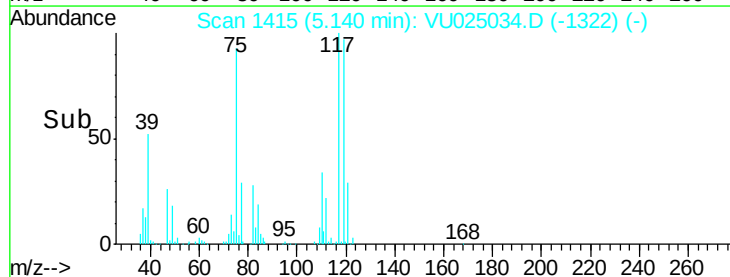
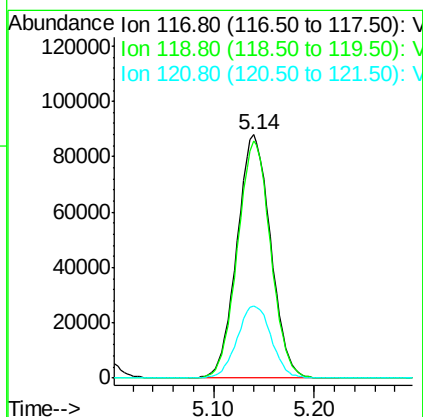
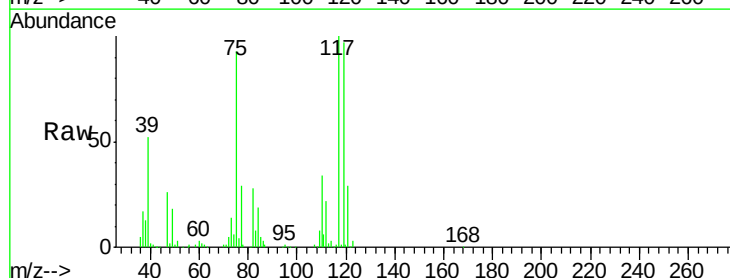
Instrument :
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 ClientSampleId :
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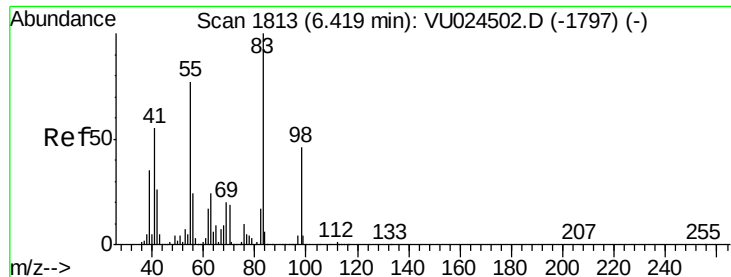
Tgt Ion: 43 Resp: 207748
 Ion Ratio Lower Upper
 43 100
 61 13.6 10.5 15.7
 70 11.1 7.4 11.2



#38
 Carbon Tetrachloride
 Concen: 51.592 ug/l
 RT: 5.14 min Scan# 1415
 Delta R.T. -0.00 min
 Lab File: VU025034.D
 Acq: 28 Jun 2018 20:44

Tgt Ion: 117 Resp: 203206
 Ion Ratio Lower Upper
 117 100
 119 97.3 76.1 114.1
 121 29.4 23.7 35.5

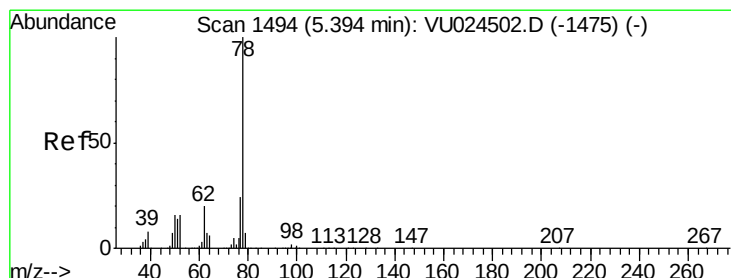
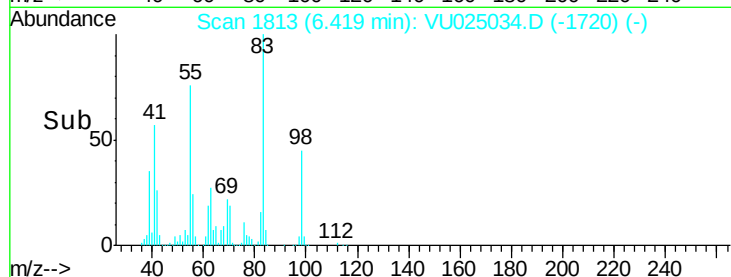
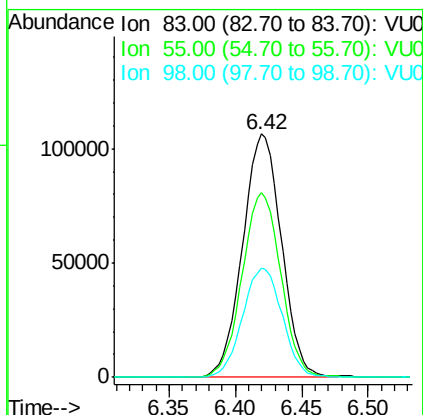
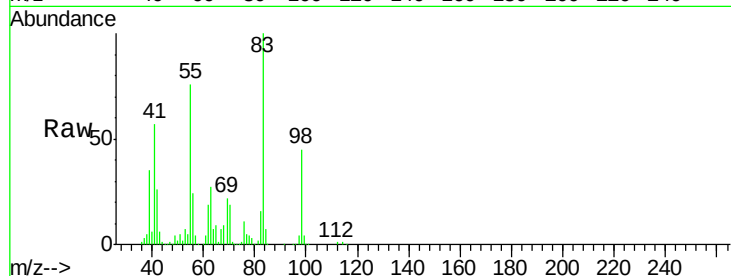




#39
Methylcyclohexane
Concen: 48.707 ug/l
RT: 6.42 min Scan# 1813
Delta R.T. 0.00 min
Lab File: VU025034.D
Acq: 28 Jun 2018 20:44

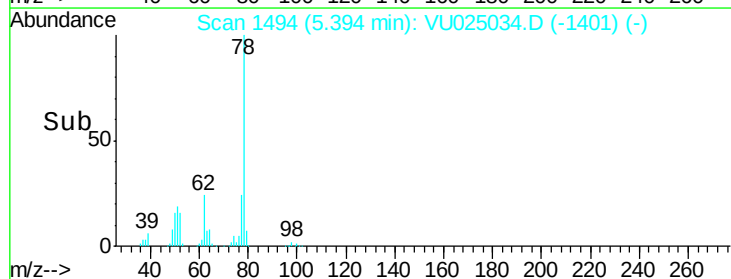
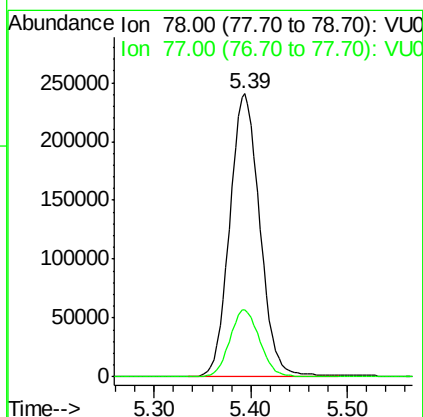
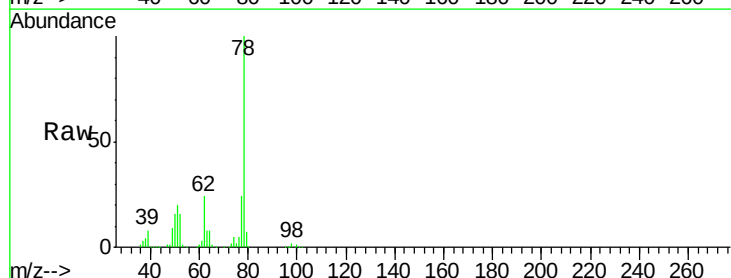
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

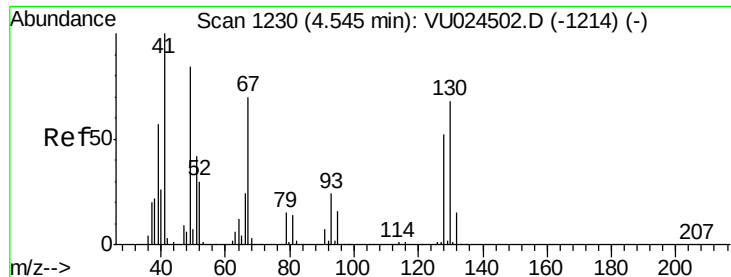
Tgt Ion: 83 Resp: 217705
Ion Ratio Lower Upper
83 100
55 76.0 65.8 98.6
98 44.7 36.7 55.1



#40
Benzene
Concen: 51.075 ug/l
RT: 5.39 min Scan# 1494
Delta R.T. 0.00 min
Lab File: VU025034.D
Acq: 28 Jun 2018 20:44

Tgt Ion: 78 Resp: 521269
Ion Ratio Lower Upper
78 100
77 23.9 19.2 28.8





#41

Methacrylonitrile

Concen: 55.241 ug/l

RT: 4.54 min Scan# 1229

Delta R.T. -0.00 min

Lab File: VU025034.D

Acq: 28 Jun 2018 20:44

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 41 Resp: 116270

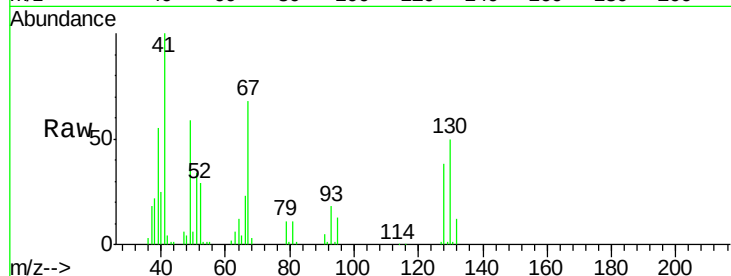
Ion Ratio Lower Upper

41 100

39 56.4 43.8 65.6

67 70.8 56.3 84.5

52 29.2 23.2 34.8

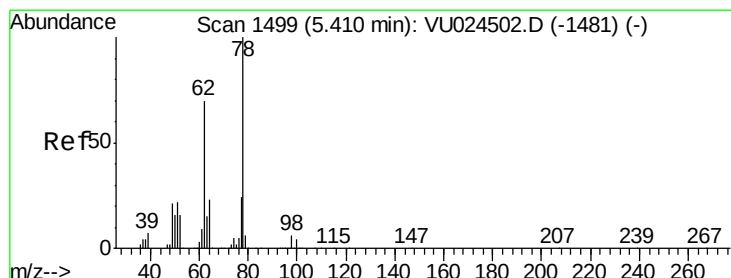
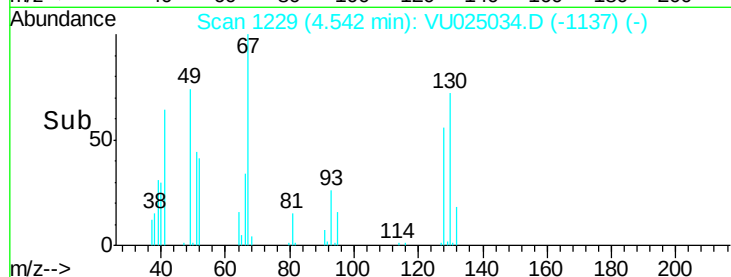
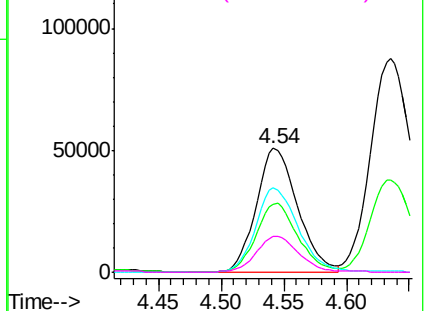


Abundance Ion 41.00 (40.70 to 41.70): VU024502.D (-1214) (-)

Ion 39.00 (38.70 to 39.70): VU024502.D (-1214) (-)

Ion 67.00 (66.70 to 67.70): VU024502.D (-1214) (-)

Ion 52.00 (51.70 to 52.70): VU024502.D (-1214) (-)



#42

1,2-Dichloroethane

Concen: 53.832 ug/l

RT: 5.41 min Scan# 1498

Delta R.T. -0.00 min

Lab File: VU025034.D

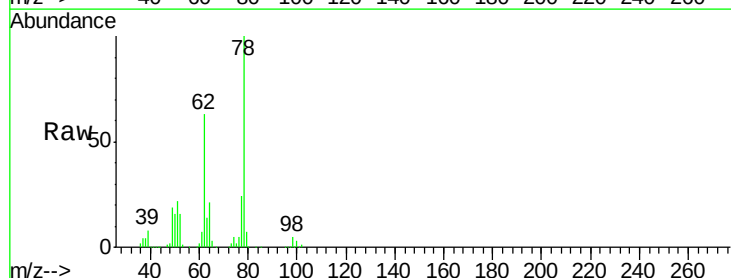
Acq: 28 Jun 2018 20:44

Tgt Ion: 62 Resp: 209248

Ion Ratio Lower Upper

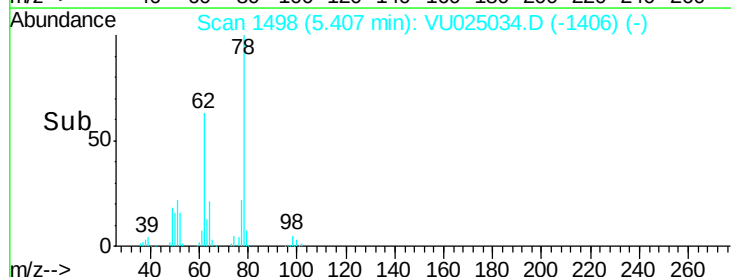
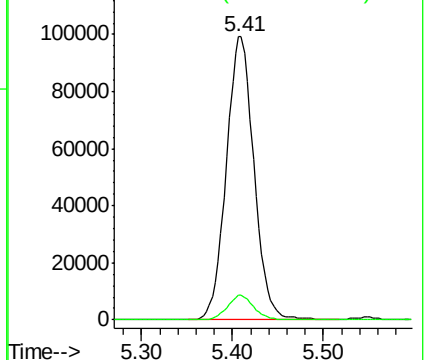
62 100

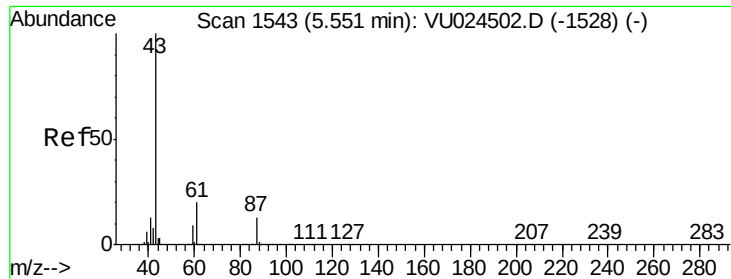
98 8.2 0.0 16.6



Abundance Ion 61.90 (61.60 to 62.60): VU024502.D (-1481) (-)

Ion 97.90 (97.60 to 98.60): VU024502.D (-1481) (-)

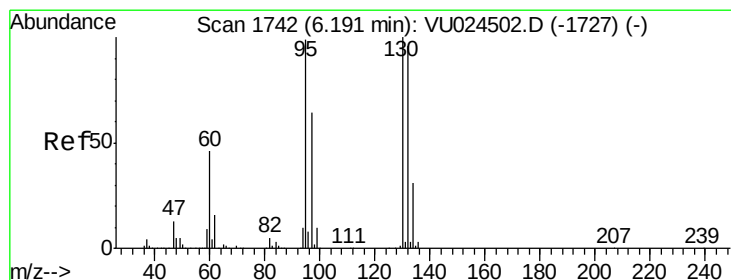
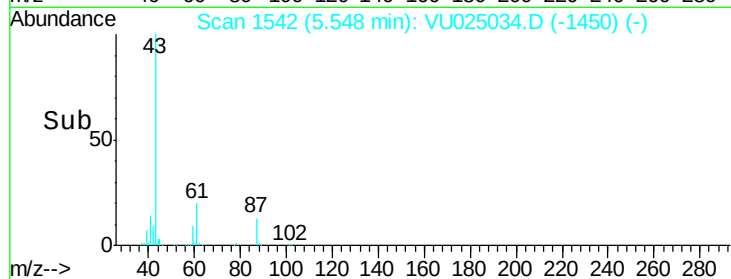
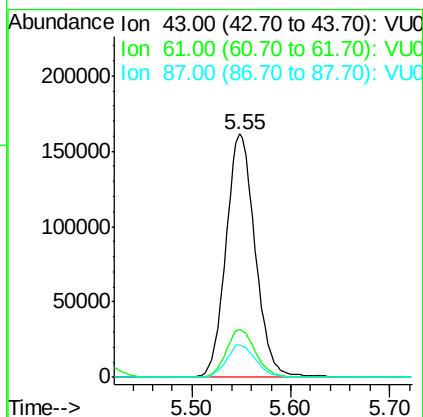
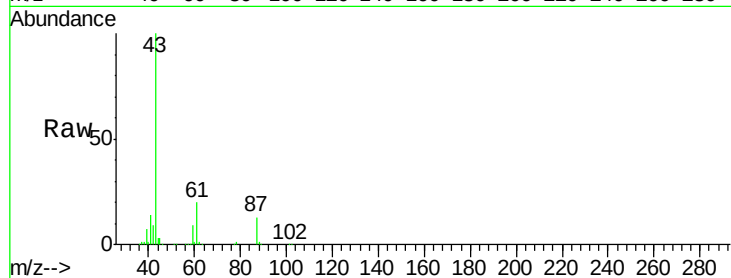




#43
Isopropyl Acetate
Concen: 49.248 ug/l
RT: 5.55 min Scan# 1542
Delta R.T. -0.00 min
Lab File: VU025034.D
Acq: 28 Jun 2018 20:44

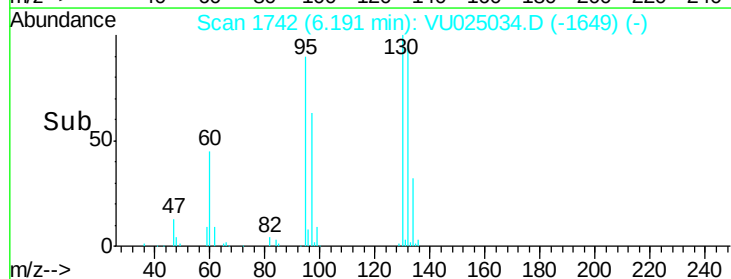
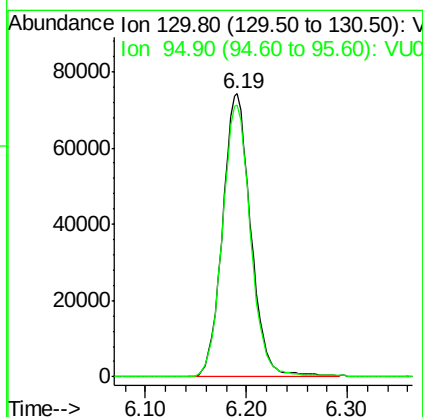
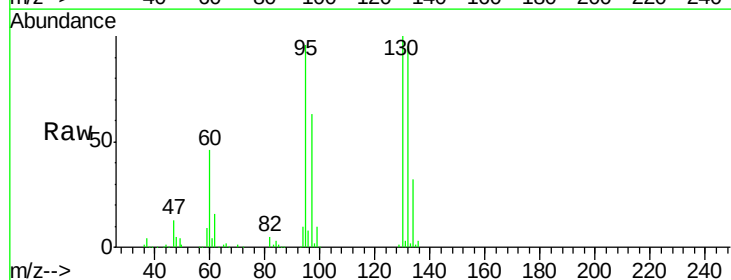
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

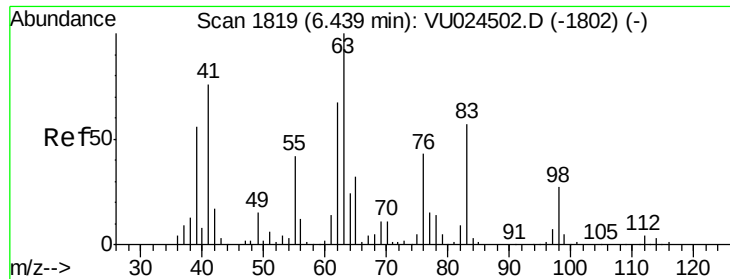
Tgt Ion: 43 Resp: 332325
Ion Ratio Lower Upper
43 100
61 20.0 15.4 23.0
87 13.4 10.0 15.0



#44
Trichloroethene
Concen: 49.899 ug/l
RT: 6.19 min Scan# 1742
Delta R.T. 0.00 min
Lab File: VU025034.D
Acq: 28 Jun 2018 20:44

Tgt Ion: 130 Resp: 144937
Ion Ratio Lower Upper
130 100
95 96.2 0.0 202.4

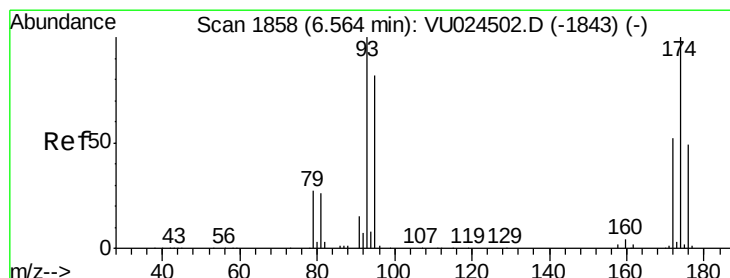
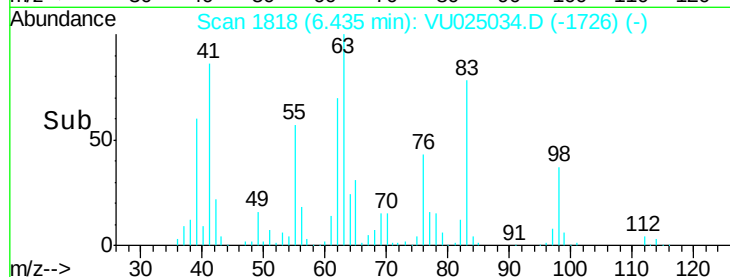
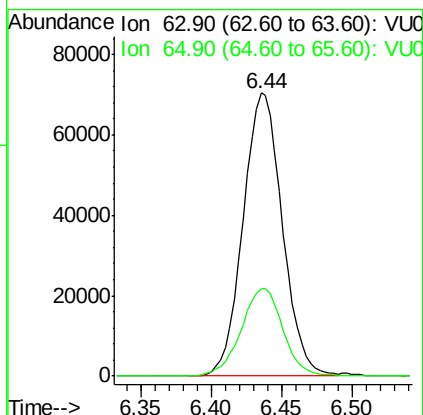
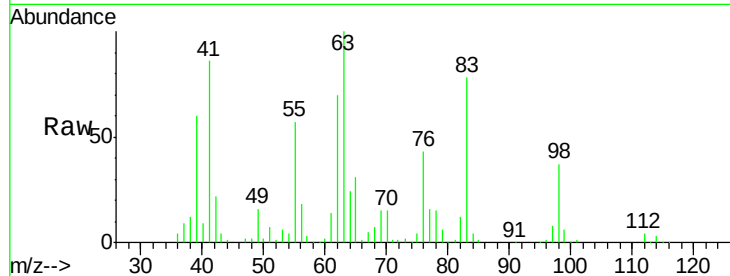




#45
 1,2-Dichloropropane
 Concen: 50.429 ug/l
 RT: 6.44 min Scan# 1819
 Delta R.T. -0.00 min
 Lab File: VU025034.D
 Acq: 28 Jun 2018 20:44

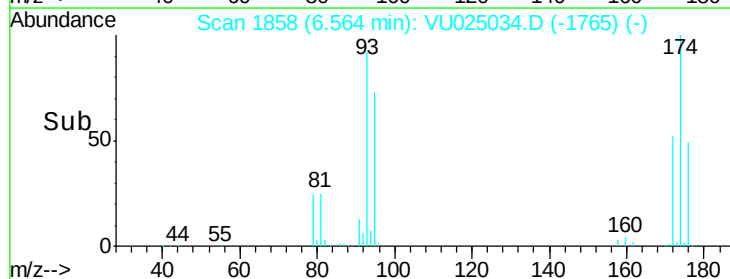
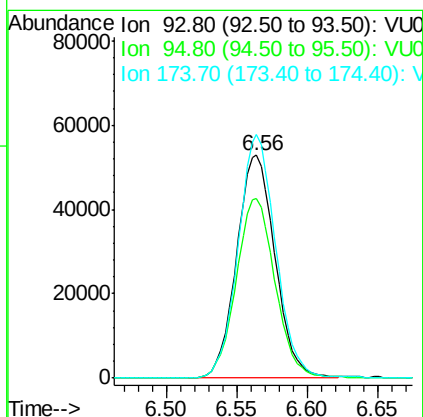
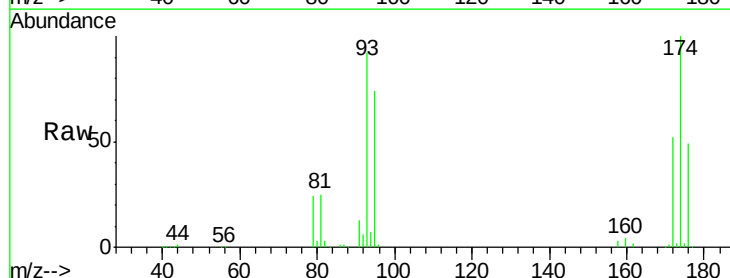
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

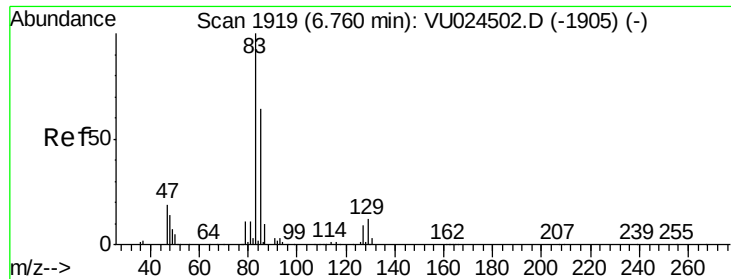
Tgt Ion: 63 Resp: 137328
 Ion Ratio Lower Upper
 63 100
 65 30.8 24.8 37.2



#46
 Dibromomethane
 Concen: 52.883 ug/l
 RT: 6.56 min Scan# 1858
 Delta R.T. -0.00 min
 Lab File: VU025034.D
 Acq: 28 Jun 2018 20:44

Tgt Ion: 93 Resp: 101154
 Ion Ratio Lower Upper
 93 100
 95 81.6 65.5 98.3
 174 106.6 78.7 118.1





#47

Bromodichloromethane

Concen: 49.717 ug/l

RT: 6.76 min Scan# 1919

Delta R.T. -0.00 min

Lab File: VU025034.D

Acq: 28 Jun 2018 20:44

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

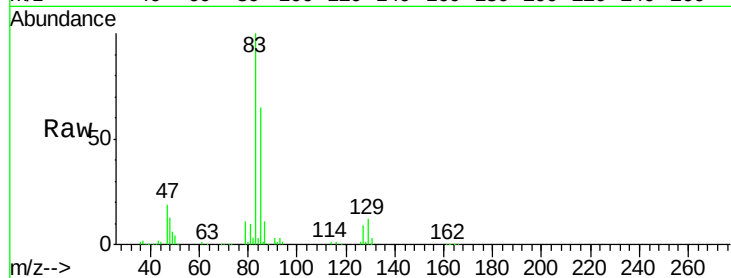
Tgt Ion: 83 Resp: 189368

Ion Ratio Lower Upper

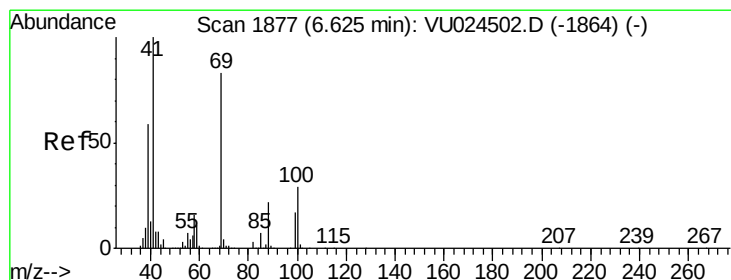
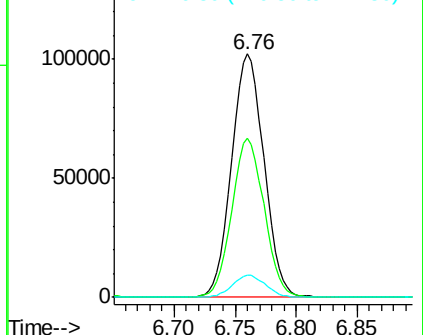
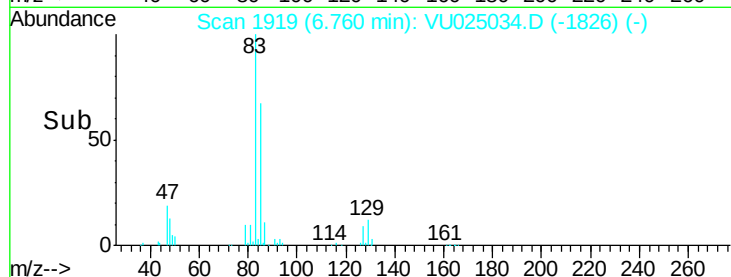
83 100

85 65.4 51.9 77.9

127 9.0 6.6 9.8



Abundance Ion 82.90 (82.60 to 83.60): VU025034.D (-1826) (-)



#48

Methyl methacrylate

Concen: 52.096 ug/l

RT: 6.63 min Scan# 1877

Delta R.T. 0.00 min

Lab File: VU025034.D

Acq: 28 Jun 2018 20:44

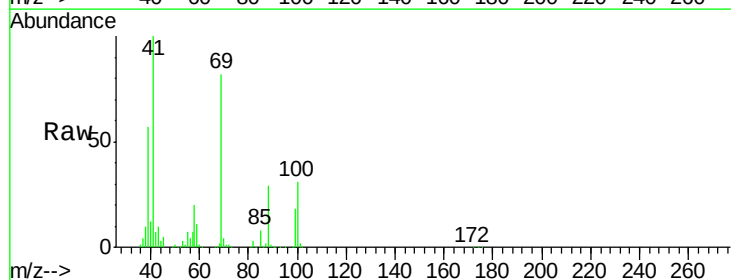
Tgt Ion: 41 Resp: 171179

Ion Ratio Lower Upper

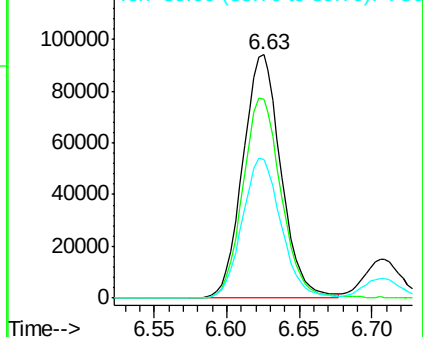
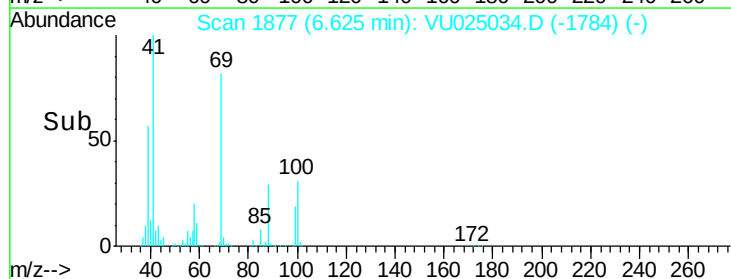
41 100

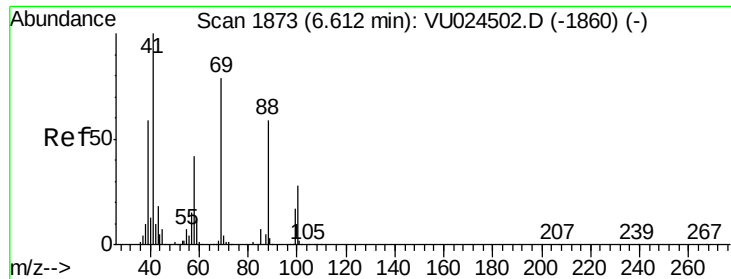
69 83.2 67.3 100.9

39 58.5 46.5 69.7



Abundance Ion 41.00 (40.70 to 41.70): VU025034.D (-1784) (-)





#49

1,4-Dioxane

Concen: 1156.514 ug/l

RT: 6.62 min Scan# 1874

Delta R.T. 0.00 min

Lab File: VU025034.D

Acq: 28 Jun 2018 20:44

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

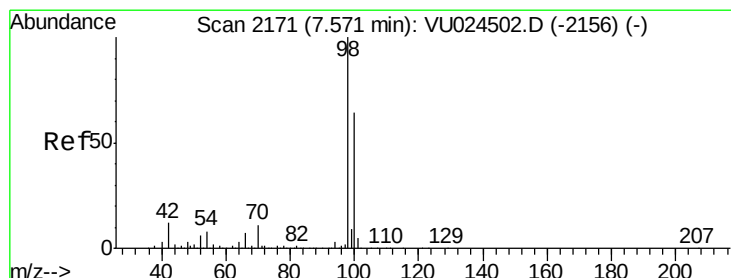
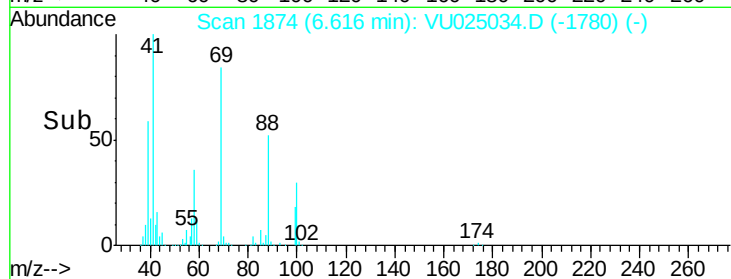
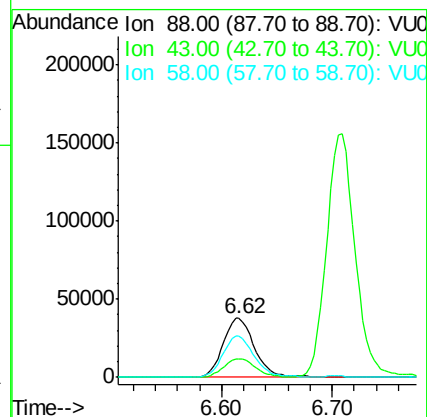
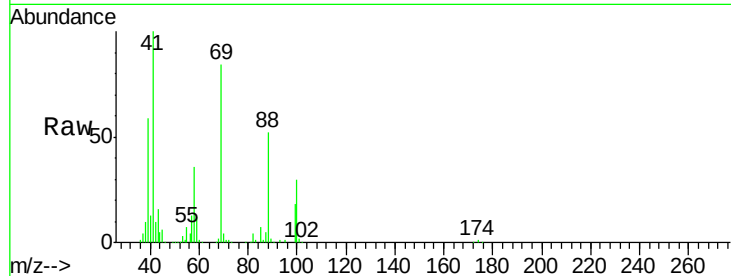
Tgt Ion: 88 Resp: 74316

Ion Ratio Lower Upper

88 100

43 32.3 28.6 42.8

58 71.0 58.2 87.4



#50

Toluene-d8

Concen: 41.068 ug/l

RT: 7.57 min Scan# 2171

Delta R.T. 0.00 min

Lab File: VU025034.D

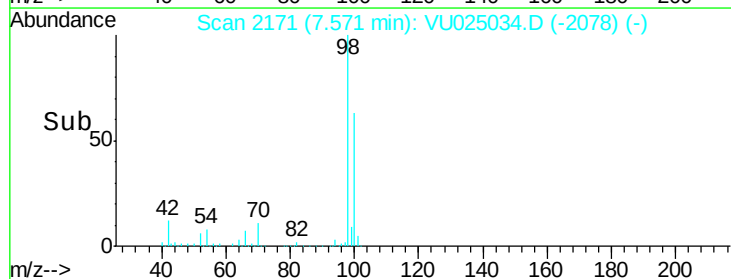
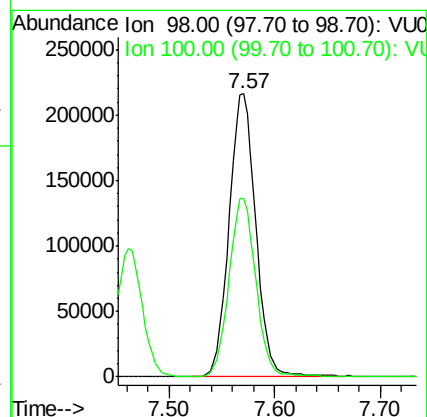
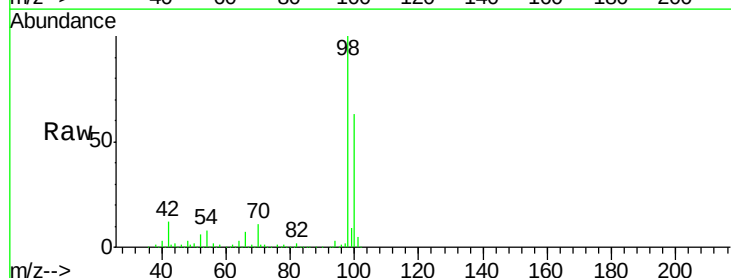
Acq: 28 Jun 2018 20:44

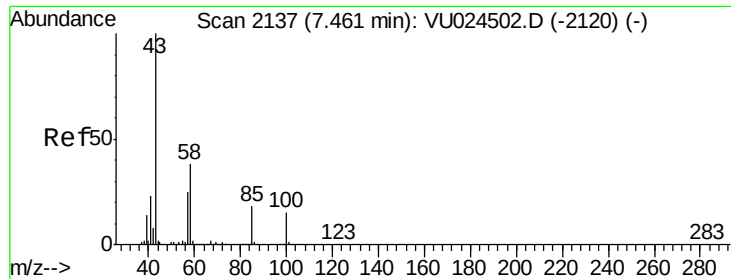
Tgt Ion: 98 Resp: 378939

Ion Ratio Lower Upper

98 100

100 63.0 51.1 76.7

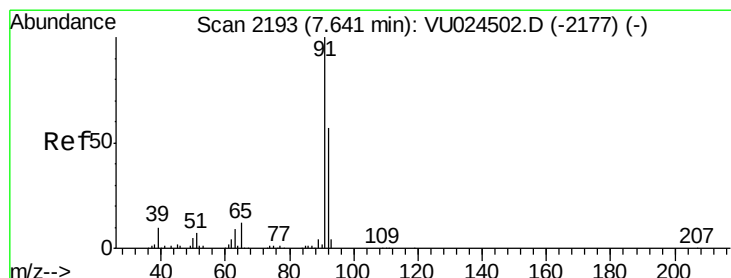
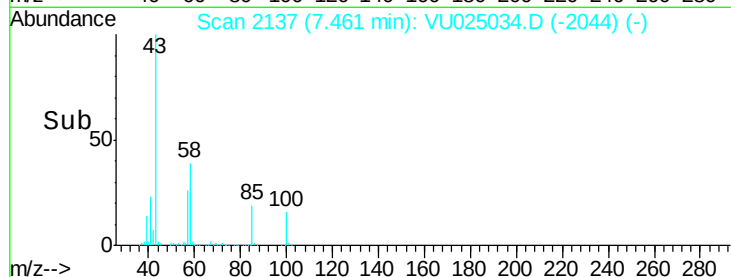
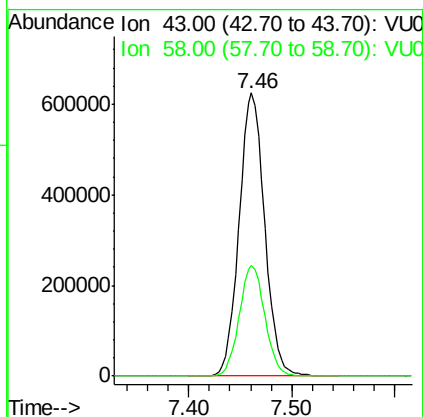
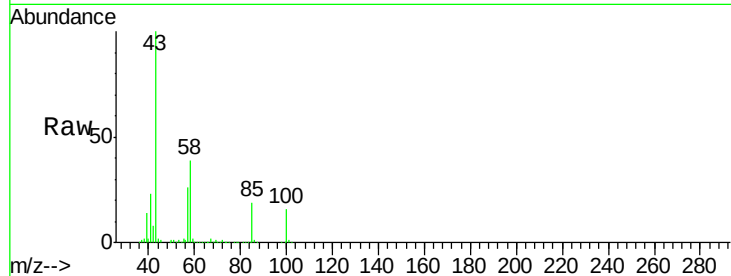




#51
 4-Methyl-2-Pentanone
 Concen: 253.749 ug/l
 RT: 7.46 min Scan# 2137
 Delta R.T. -0.00 min
 Lab File: VU025034.D
 Acq: 28 Jun 2018 20:44

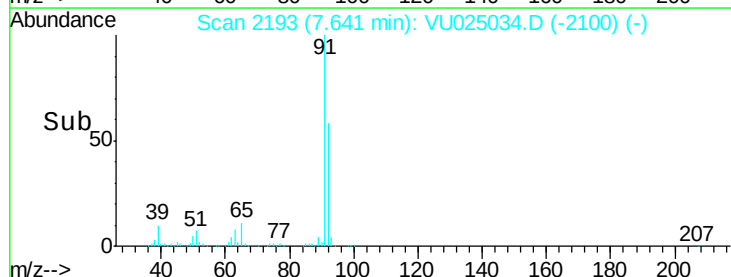
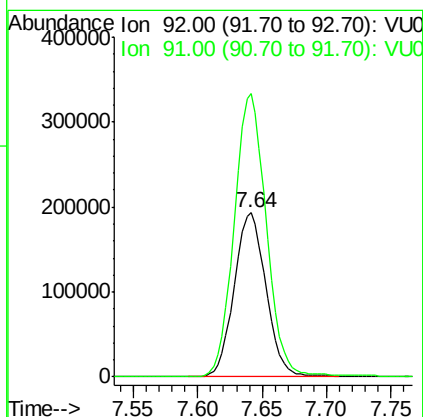
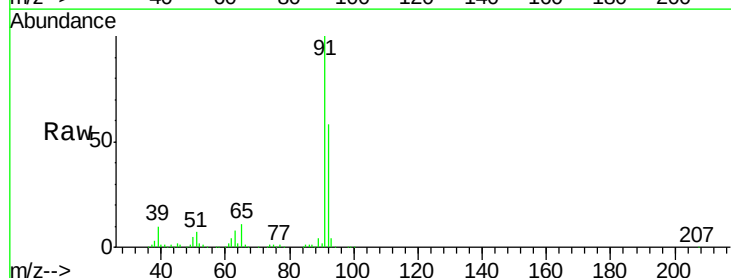
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

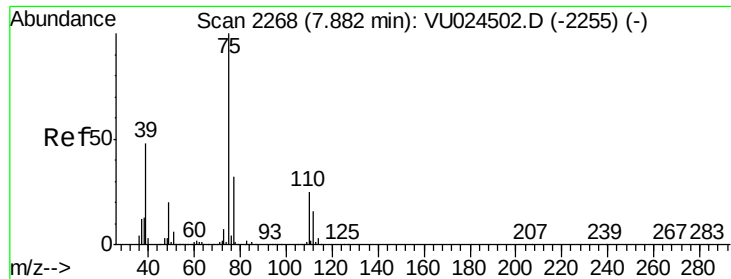
Tgt Ion: 43 Resp: 1075741
 Ion Ratio Lower Upper
 43 100
 58 39.2 30.0 45.0



#52
 Toluene
 Concen: 50.646 ug/l
 RT: 7.64 min Scan# 2193
 Delta R.T. 0.00 min
 Lab File: VU025034.D
 Acq: 28 Jun 2018 20:44

Tgt Ion: 92 Resp: 332550
 Ion Ratio Lower Upper
 92 100
 91 175.0 140.5 210.7

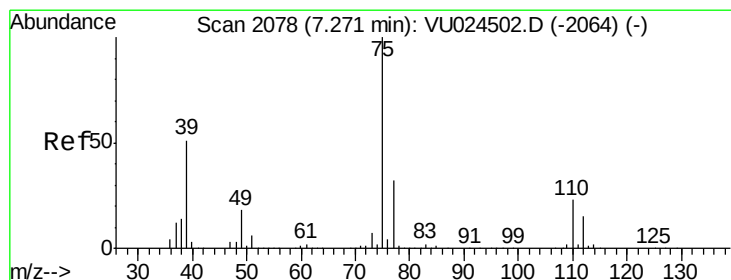
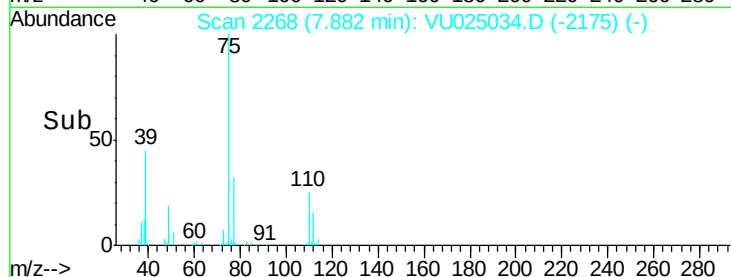
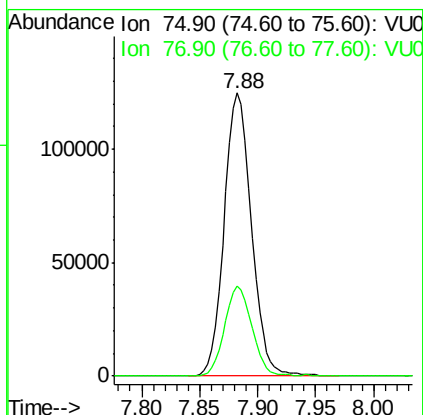
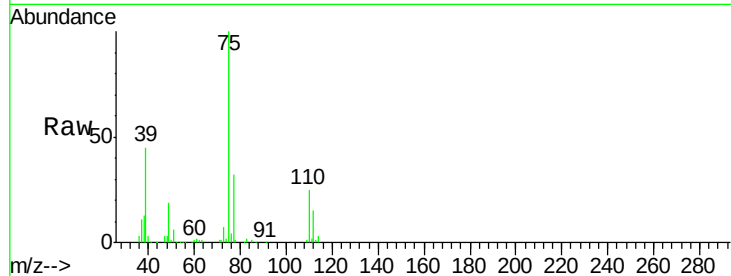




#53
 t-1,3-Dichloropropene
 Concen: 47.691 ug/l
 RT: 7.88 min Scan# 2268
 Delta R.T. 0.00 min
 Lab File: VU025034.D
 Acq: 28 Jun 2018 20:44

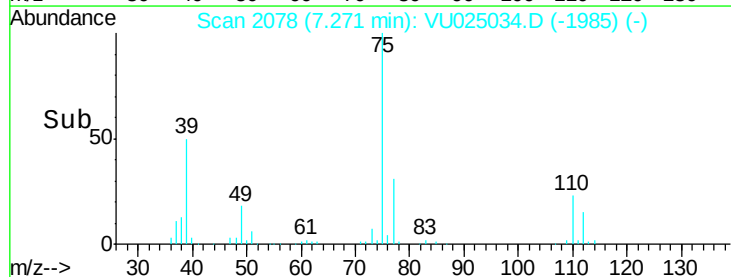
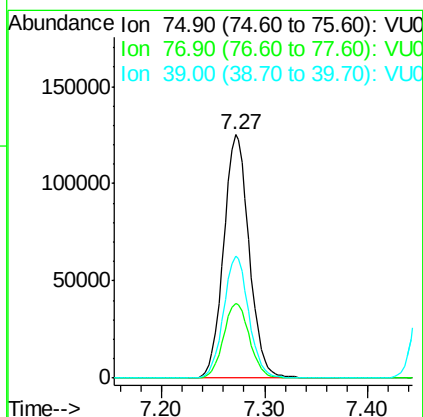
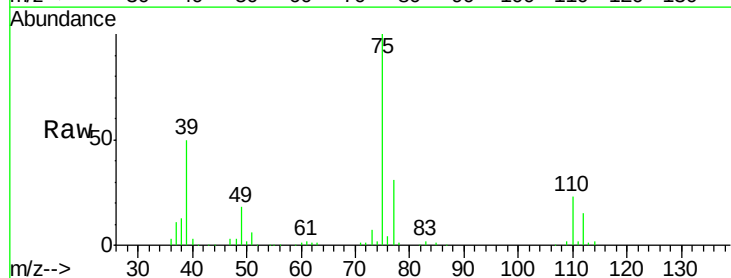
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

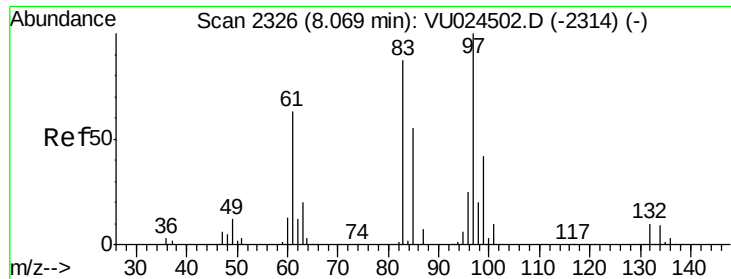
Tgt Ion: 75 Resp: 203996
 Ion Ratio Lower Upper
 75 100
 77 31.7 24.8 37.2



#54
 cis-1,3-Dichloropropene
 Concen: 47.445 ug/l
 RT: 7.27 min Scan# 2078
 Delta R.T. -0.00 min
 Lab File: VU025034.D
 Acq: 28 Jun 2018 20:44

Tgt Ion: 75 Resp: 216250
 Ion Ratio Lower Upper
 75 100
 77 30.6 24.6 36.8
 39 49.8 39.8 59.6

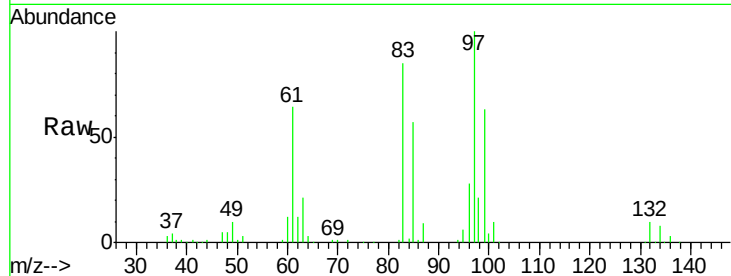




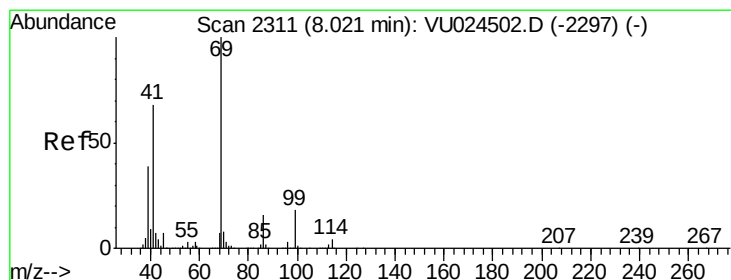
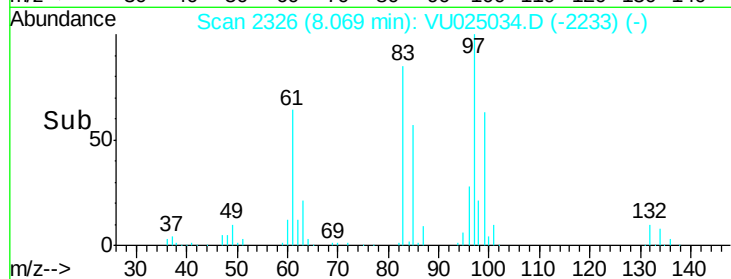
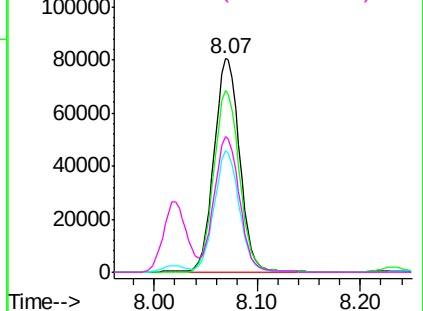
#55
 1,1,2-Trichloroethane
 Concen: 52.009 ug/l
 RT: 8.07 min Scan# 2326
 Delta R.T. 0.00 min
 Lab File: VU025034.D
 Acq: 28 Jun 2018 20:44

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tgt Ion:	97	Resp:	138816
Ion	Ratio	Lower	Upper
97	100		
83	85.2	70.5	105.7
85	56.7	46.4	69.6
99	63.2	50.2	75.2

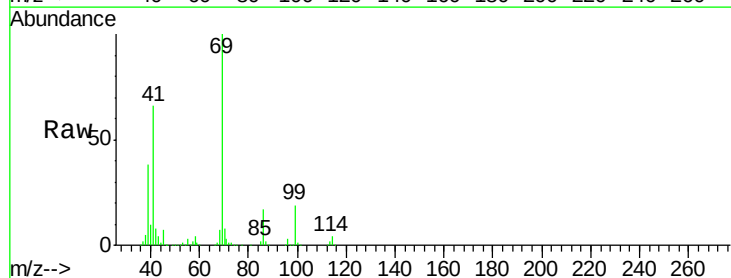


Abundance Ion 96.90 (96.60 to 97.60): VU0
 Ion 82.90 (82.60 to 83.60): VU0
 Ion 84.90 (84.60 to 85.60): VU0
 Ion 98.90 (98.60 to 99.60): VU0

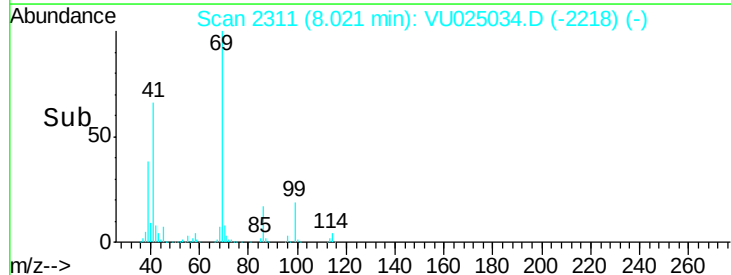
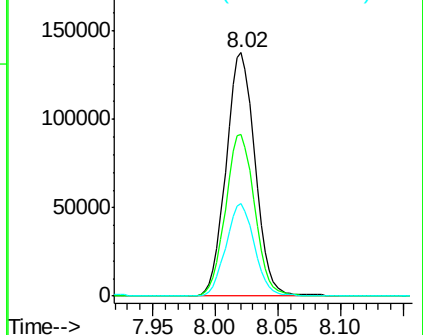


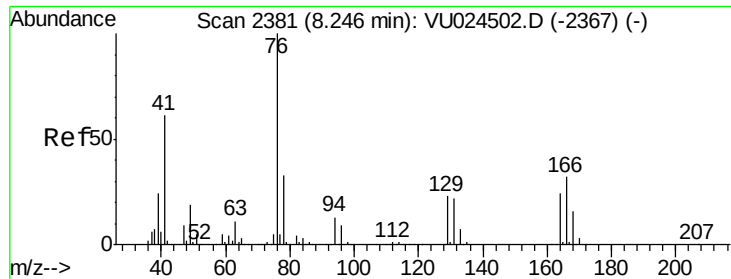
#56
 Ethyl methacrylate
 Concen: 49.584 ug/l
 RT: 8.02 min Scan# 2311
 Delta R.T. -0.00 min
 Lab File: VU025034.D
 Acq: 28 Jun 2018 20:44

Tgt Ion:	69	Resp:	221506
Ion	Ratio	Lower	Upper
69	100		
41	66.4	54.1	81.1
39	37.2	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

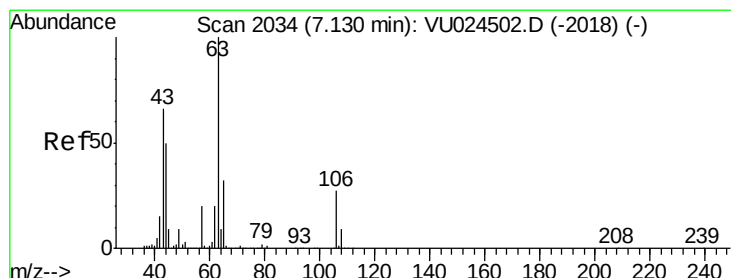
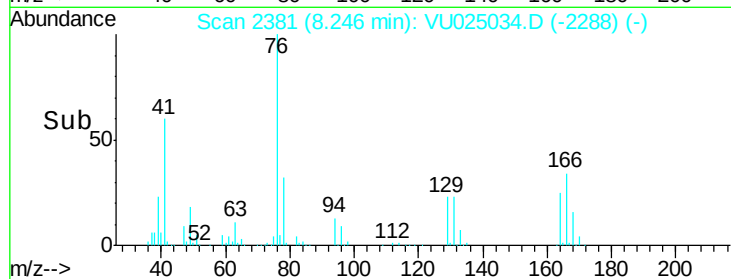
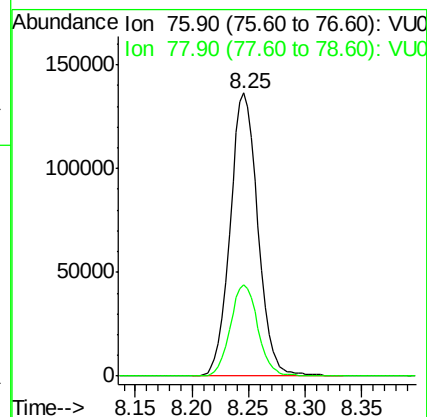
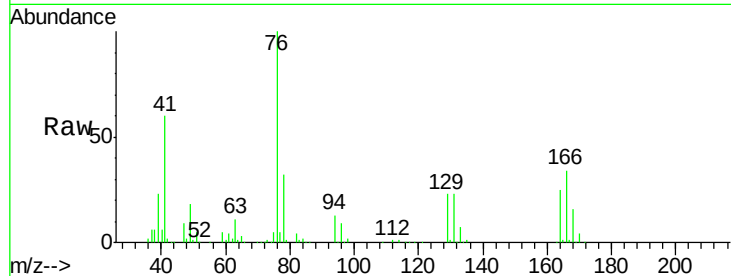




#57
 1,3-Dichloropropane
 Concen: 51.775 ug/l
 RT: 8.25 min Scan# 2381
 Delta R.T. -0.00 min
 Lab File: VU025034.D
 Acq: 28 Jun 2018 20:44

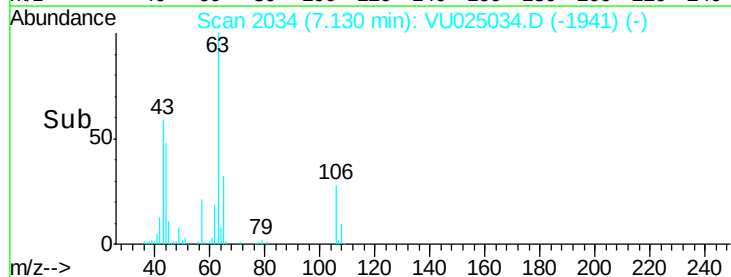
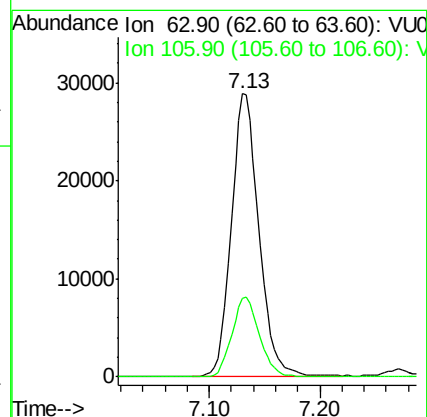
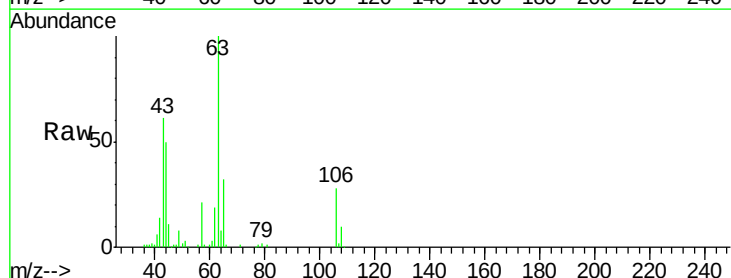
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

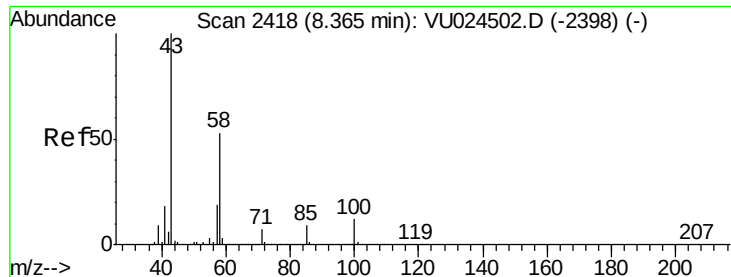
Tgt Ion: 76 Resp: 233114
 Ion Ratio Lower Upper
 76 100
 78 32.3 25.2 37.8



#58
 2-Chloroethyl Vinyl ether
 Concen: 29.228 ug/l
 RT: 7.13 min Scan# 2034
 Delta R.T. 0.00 min
 Lab File: VU025034.D
 Acq: 28 Jun 2018 20:44

Tgt Ion: 63 Resp: 50022
 Ion Ratio Lower Upper
 63 100
 106 27.8 20.2 30.2

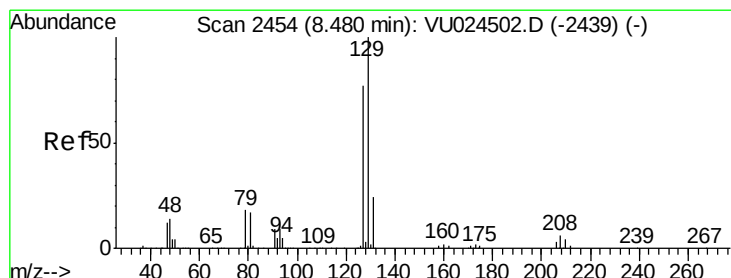
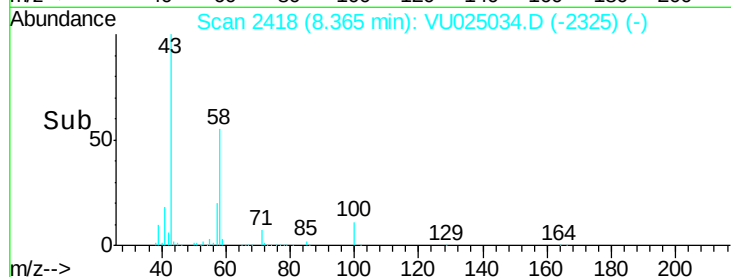
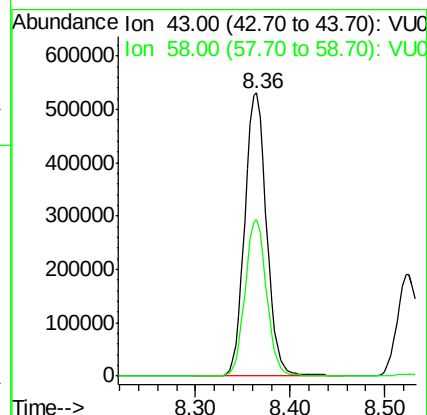
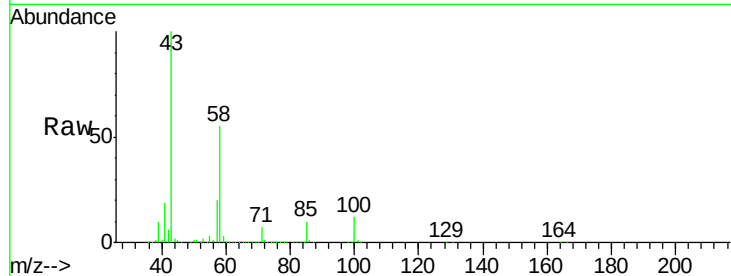




#59
2-Hexanone
Concen: 246.537 ug/l
RT: 8.36 min Scan# 2418
Delta R.T. -0.00 min
Lab File: VU025034.D
Acq: 28 Jun 2018 20:44

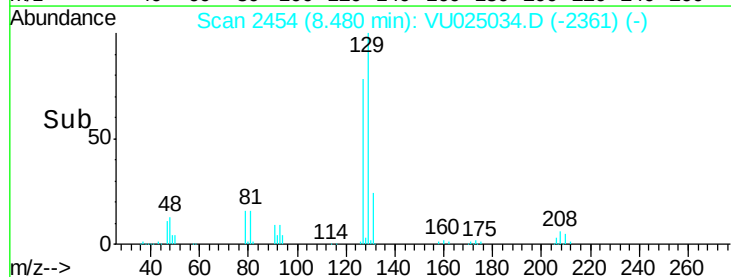
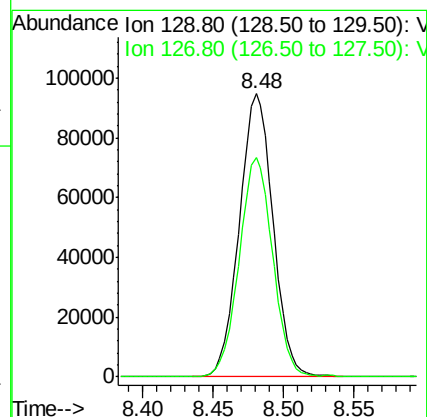
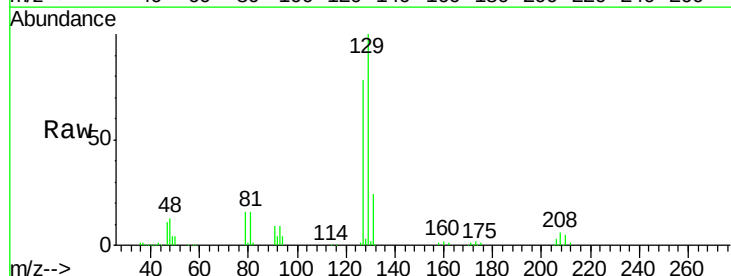
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

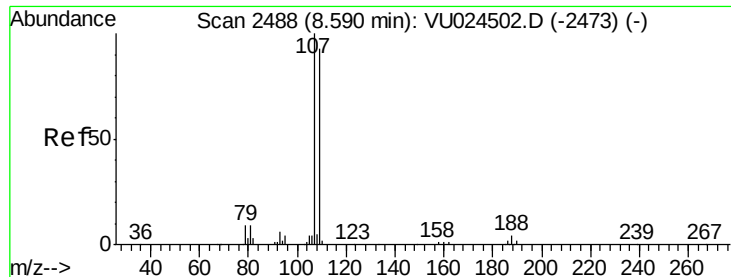
Tgt Ion: 43 Resp: 853279
Ion Ratio Lower Upper
43 100
58 54.4 26.4 79.0



#60
Dibromochloromethane
Concen: 47.652 ug/l
RT: 8.48 min Scan# 2454
Delta R.T. -0.00 min
Lab File: VU025034.D
Acq: 28 Jun 2018 20:44

Tgt Ion: 129 Resp: 158601
Ion Ratio Lower Upper
129 100
127 77.0 38.6 116.0





#61

1,2-Dibromoethane

Concen: 51.701 ug/l

RT: 8.59 min Scan# 2488

Delta R.T. 0.00 min

Lab File: VU025034.D

Acq: 28 Jun 2018 20:44

Instrument :

MSVOA_U

ClientSampleId :

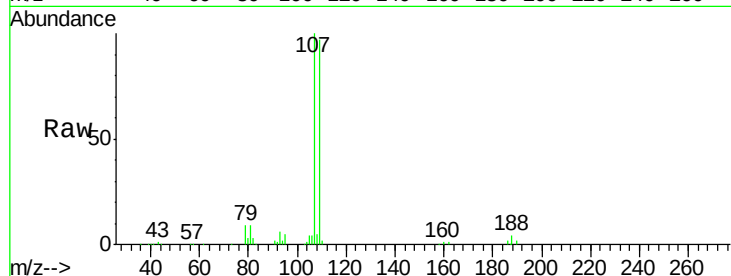
VSTDCCC050EC

Tgt Ion: 107 Resp: 153591

Ion Ratio Lower Upper

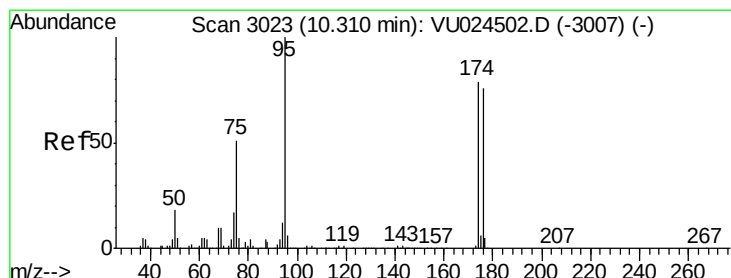
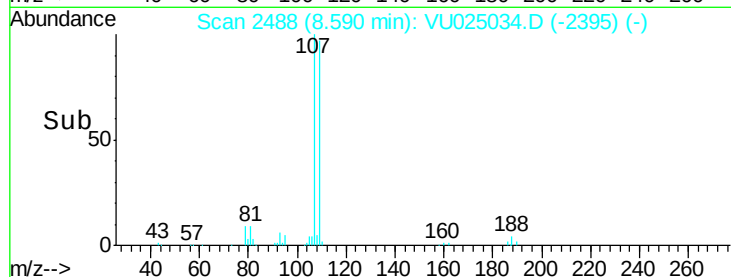
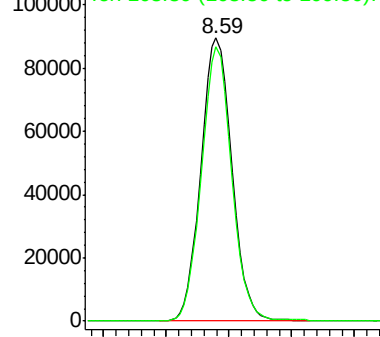
107 100

109 94.9 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: 42.897 ug/l

RT: 10.31 min Scan# 3023

Delta R.T. 0.00 min

Lab File: VU025034.D

Acq: 28 Jun 2018 20:44

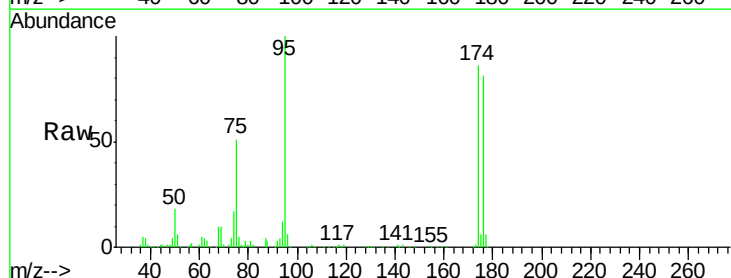
Tgt Ion: 95 Resp: 157155

Ion Ratio Lower Upper

95 100

174 85.5 0.0 165.8

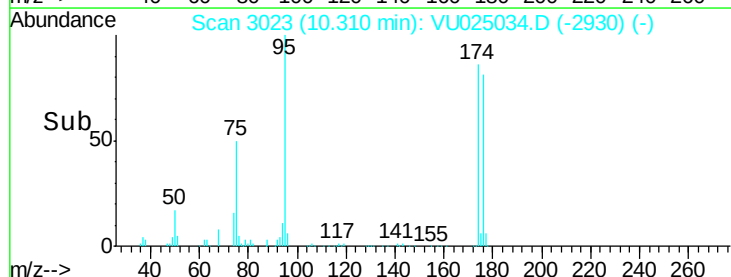
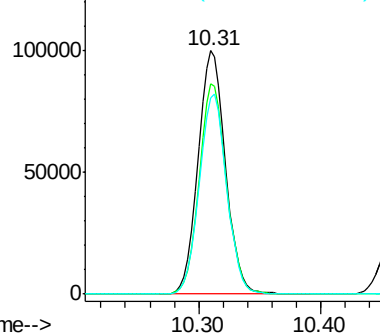
176 82.0 0.0 159.4

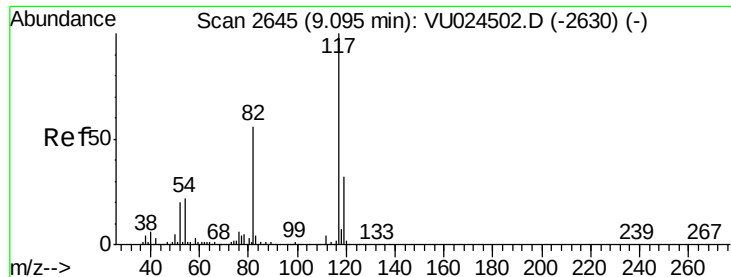


Abundance Ion 94.90 (94.60 to 95.60): VU0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

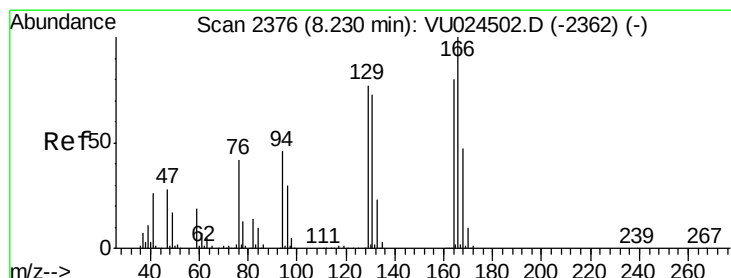
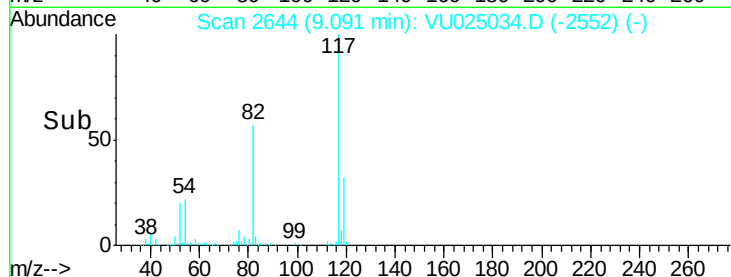
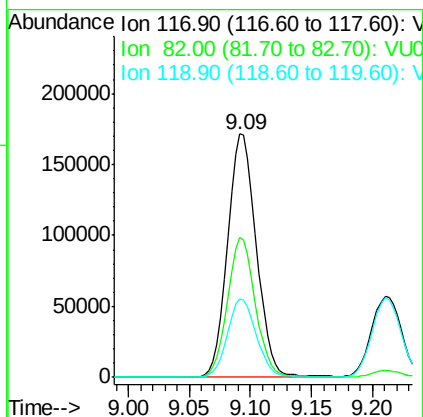
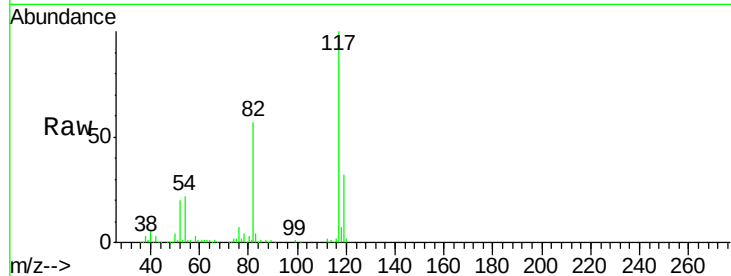




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.09 min Scan# 2644
Delta R.T. -0.00 min
Lab File: VU025034.D
Acq: 28 Jun 2018 20:44

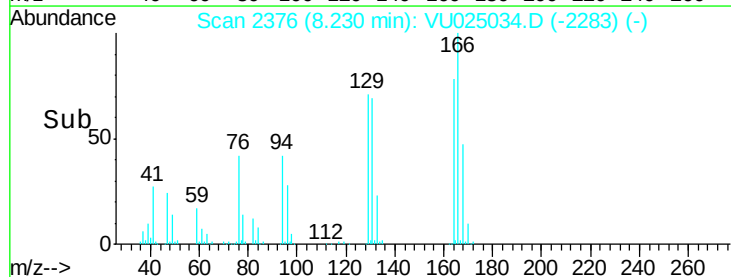
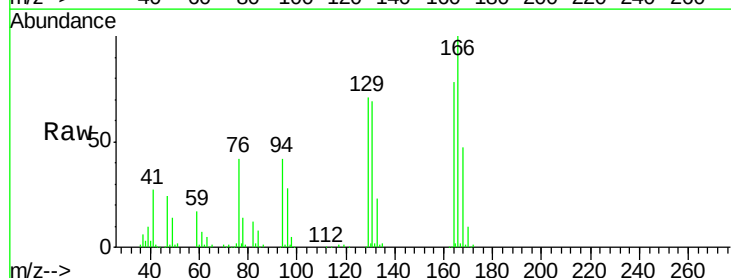
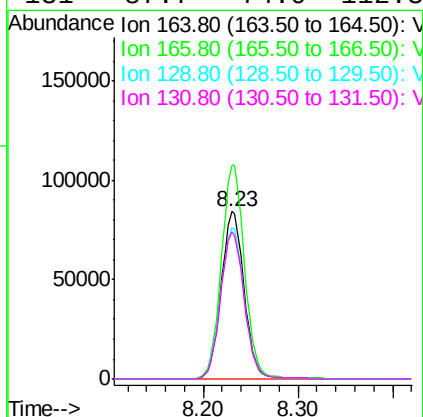
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

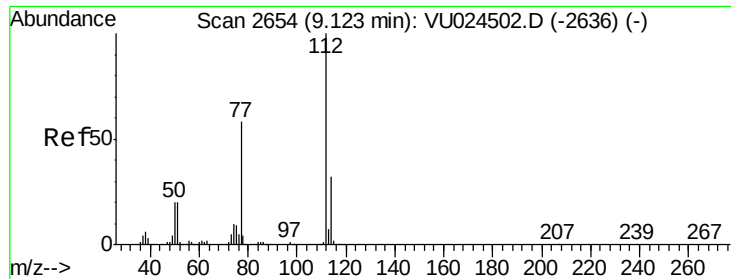
Tgt Ion:117 Resp: 283762
Ion Ratio Lower Upper
117 100
82 57.3 44.3 66.5
119 32.2 25.4 38.2



#64
Tetrachloroethene
Concen: 53.130 ug/l
RT: 8.23 min Scan# 2376
Delta R.T. 0.00 min
Lab File: VU025034.D
Acq: 28 Jun 2018 20:44

Tgt Ion:164 Resp: 143307
Ion Ratio Lower Upper
164 100
166 127.5 101.7 152.5
129 90.1 76.9 115.3
131 87.7 74.9 112.3

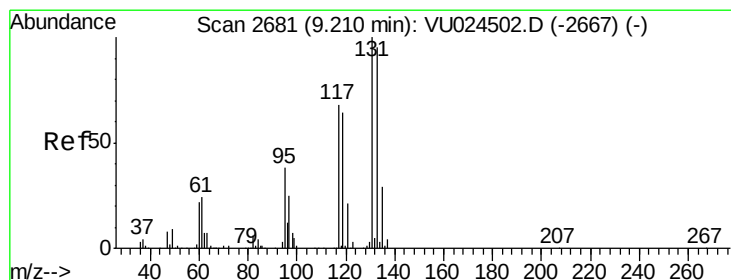
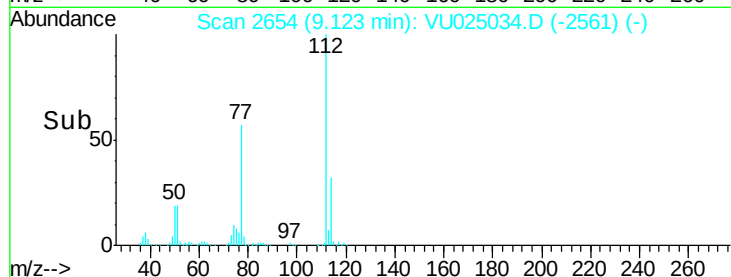
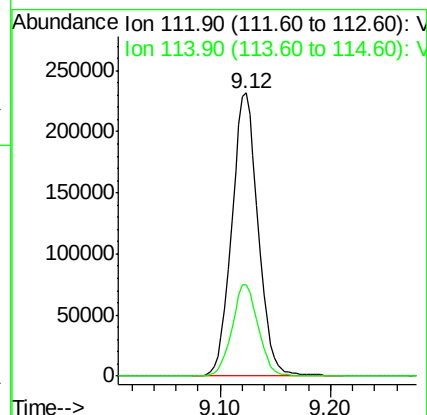
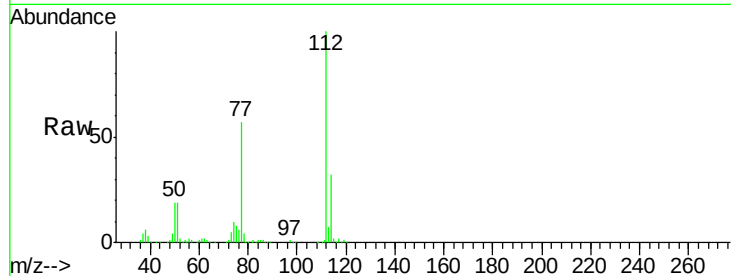




#65
Chlorobenzene
Concen: 52.885 ug/l
RT: 9.12 min Scan# 2654
Delta R.T. 0.00 min
Lab File: VU025034.D
Acq: 28 Jun 2018 20:44

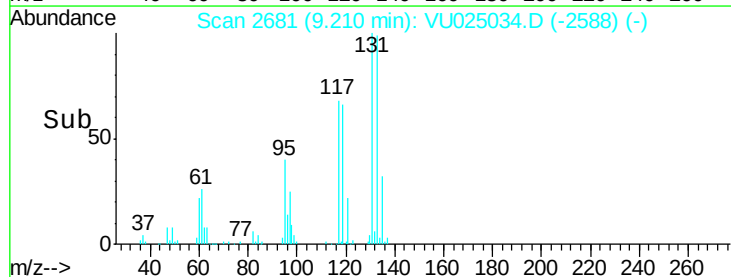
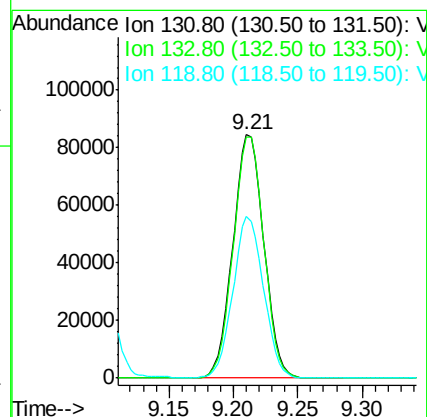
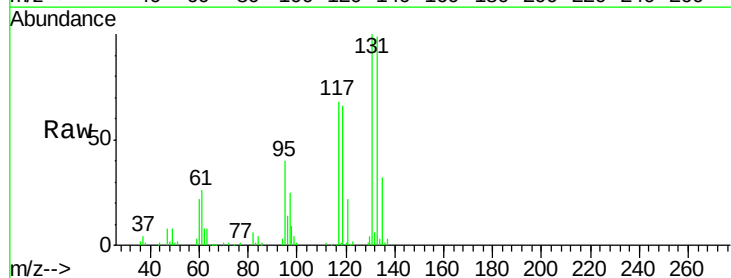
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

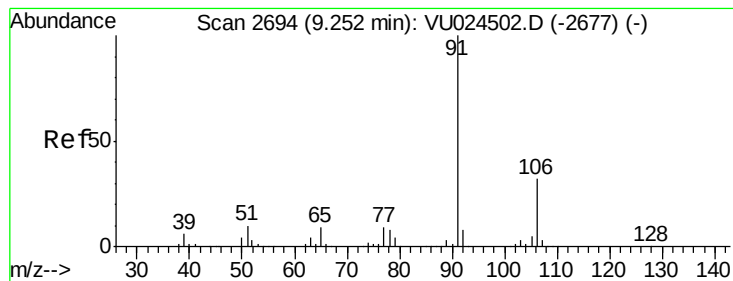
Tgt Ion:112 Resp: 383369
Ion Ratio Lower Upper
112 100
114 32.2 25.6 38.4



#66
1,1,1,2-Tetrachloroethane
Concen: 51.227 ug/l
RT: 9.21 min Scan# 2681
Delta R.T. 0.00 min
Lab File: VU025034.D
Acq: 28 Jun 2018 20:44

Tgt Ion:131 Resp: 141084
Ion Ratio Lower Upper
131 100
133 97.9 46.9 140.8
119 65.2 33.5 100.4





#67

Ethyl Benzene

Concen: 51.980 ug/l

RT: 9.25 min Scan# 2694

Delta R.T. 0.00 min

Lab File: VU025034.D

Acq: 28 Jun 2018 20:44

Instrument :

MSVOA_U

ClientSampleId :

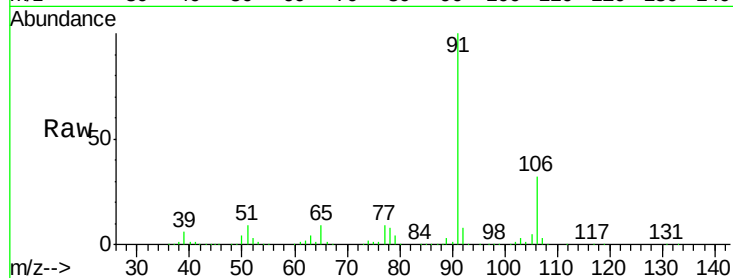
VSTDCCC050EC

Tgt Ion: 91 Resp: 660576

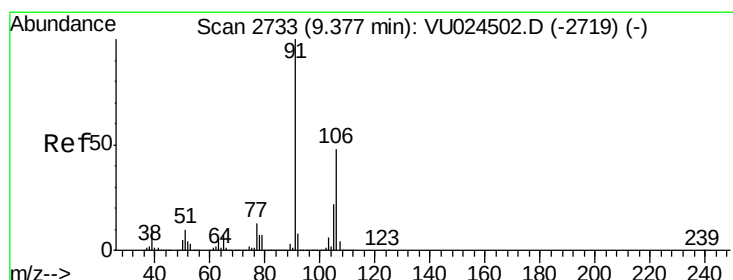
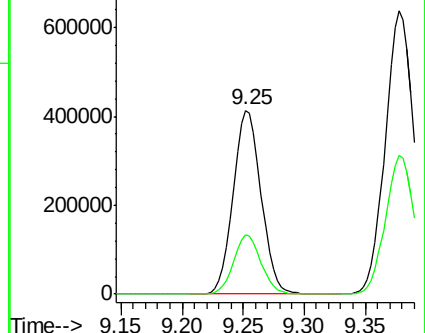
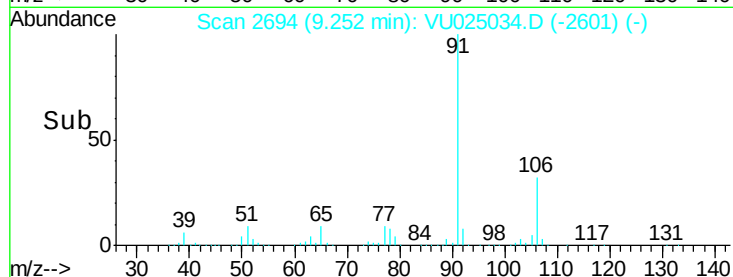
Ion Ratio Lower Upper

91 100

106 32.0 24.2 36.4



Abundance Ion 91.00 (90.70 to 91.70): VU025034.D (-2601) (-)



#68

m/p-Xylenes

Concen: 105.850 ug/l

RT: 9.38 min Scan# 2733

Delta R.T. 0.00 min

Lab File: VU025034.D

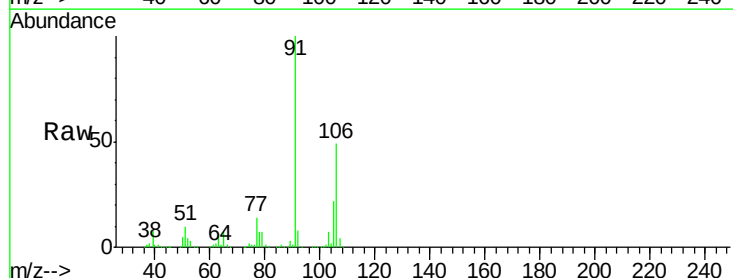
Acq: 28 Jun 2018 20:44

Tgt Ion: 106 Resp: 516543

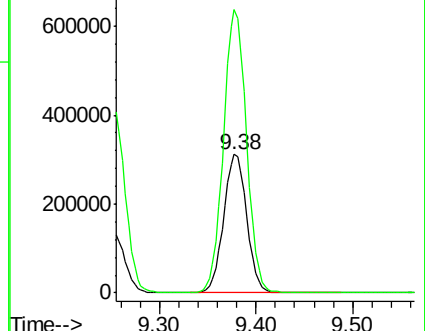
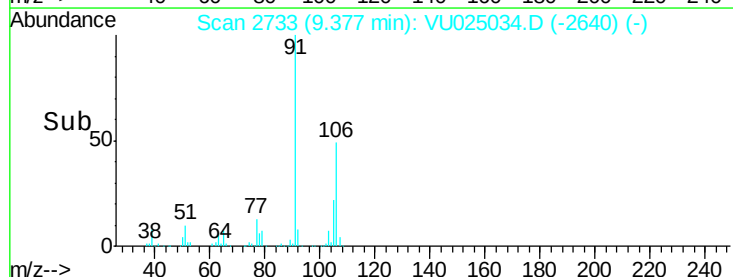
Ion Ratio Lower Upper

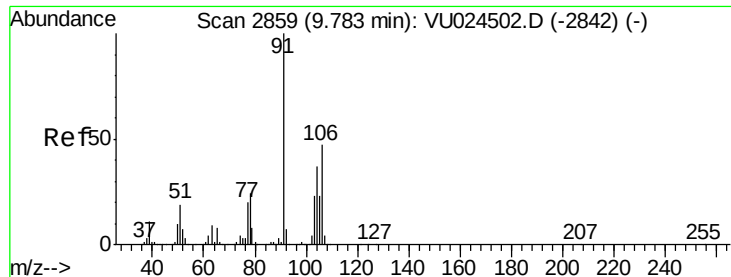
106 100

91 203.4 166.5 249.7



Abundance Ion 106.00 (105.70 to 106.70): VU025034.D (-2640) (-)

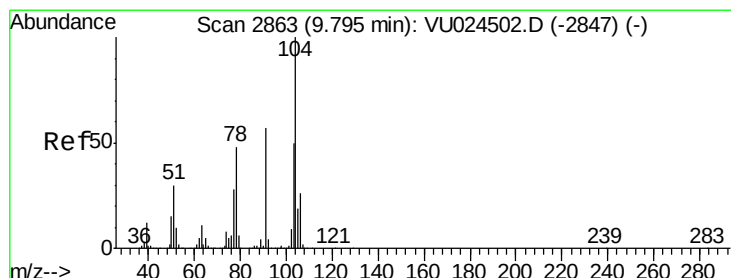
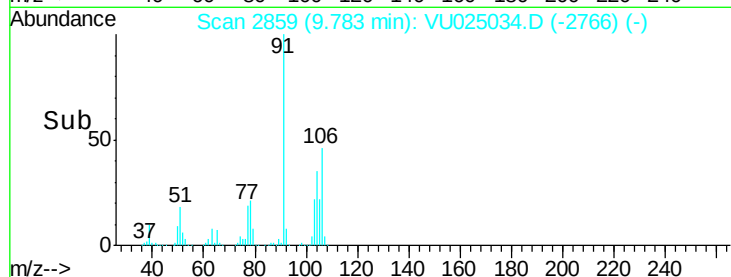
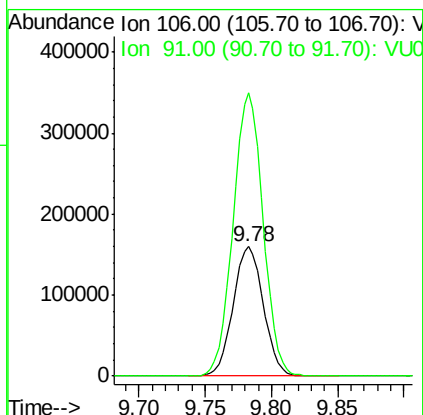
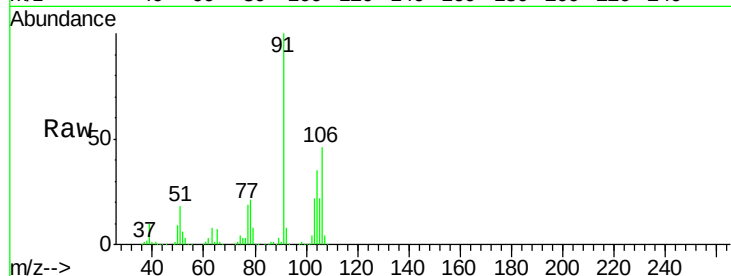




#69
o-Xylene
Concen: 52.415 ug/l
RT: 9.78 min Scan# 2859
Delta R.T. -0.00 min
Lab File: VU025034.D
Acq: 28 Jun 2018 20:44

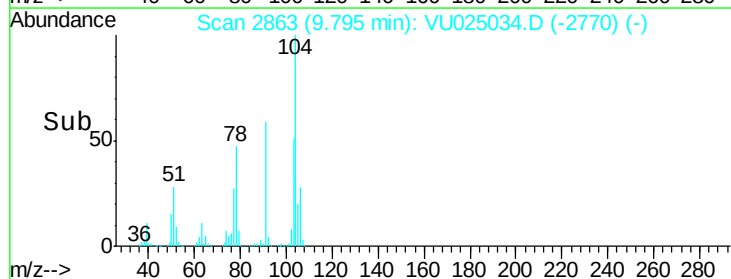
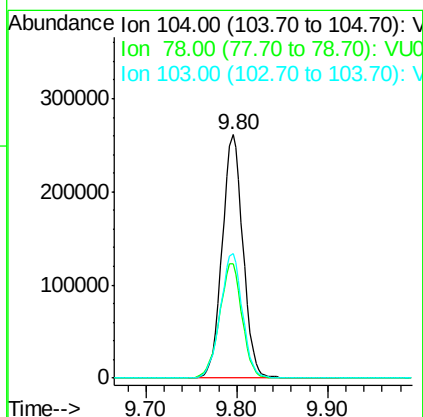
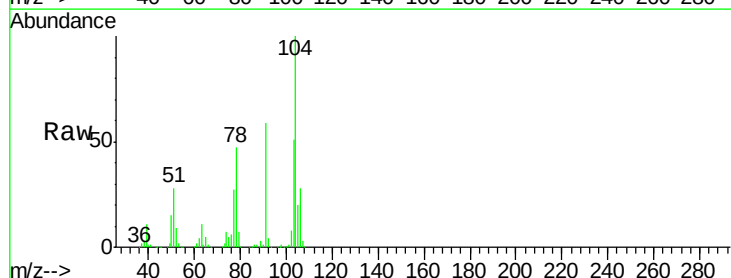
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

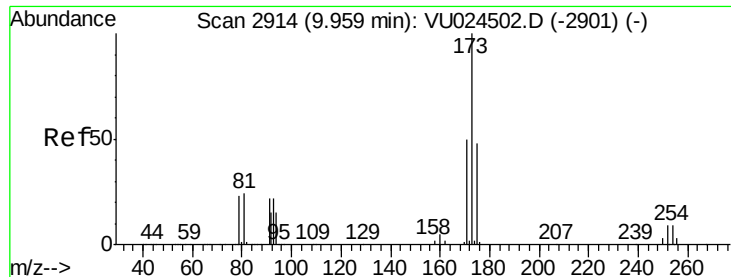
Tgt Ion:106 Resp: 253139
Ion Ratio Lower Upper
106 100
91 216.6 110.7 331.9



#70
Styrene
Concen: 52.352 ug/l
RT: 9.80 min Scan# 2863
Delta R.T. 0.00 min
Lab File: VU025034.D
Acq: 28 Jun 2018 20:44

Tgt Ion:104 Resp: 415495
Ion Ratio Lower Upper
104 100
78 50.8 40.6 60.8
103 54.5 44.7 67.1





#71

Bromoform

Concen: 47.947 ug/l

RT: 9.96 min Scan# 2915

Delta R.T. 0.00 min

Lab File: VU025034.D

Acq: 28 Jun 2018 20:44

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

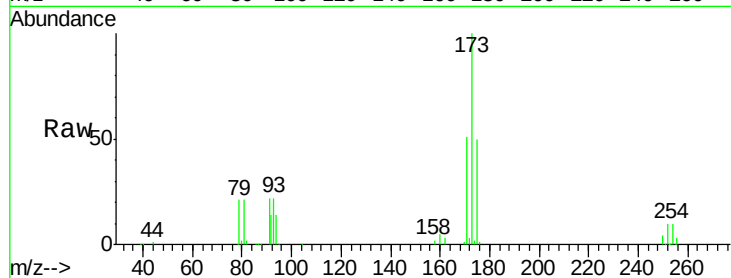
Tgt Ion:173 Resp: 125513

Ion Ratio Lower Upper

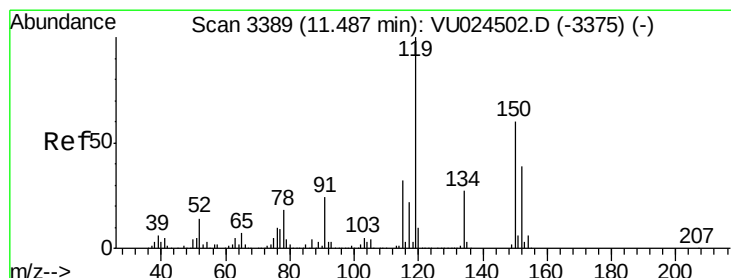
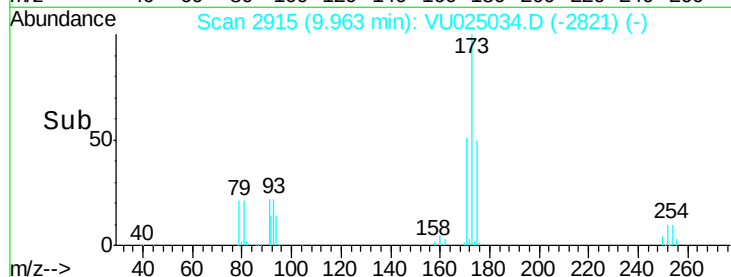
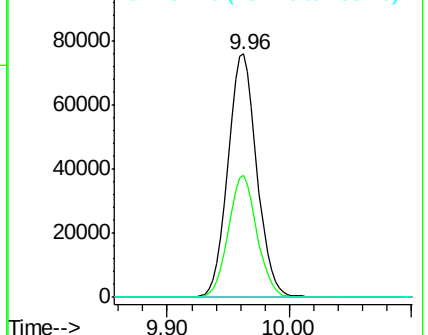
173 100

175 49.4 24.6 74.0

254 0.0 0.0 0.0#



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 11.49 min Scan# 3389

Delta R.T. 0.00 min

Lab File: VU025034.D

Acq: 28 Jun 2018 20:44

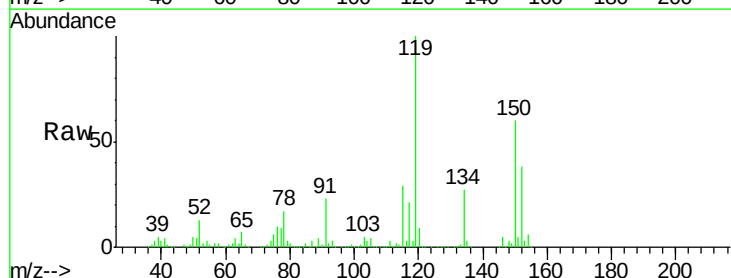
Tgt Ion:152 Resp: 168826

Ion Ratio Lower Upper

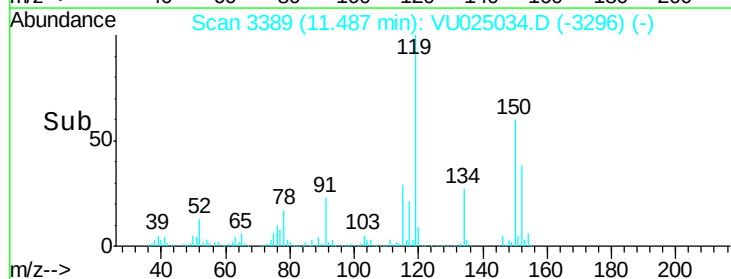
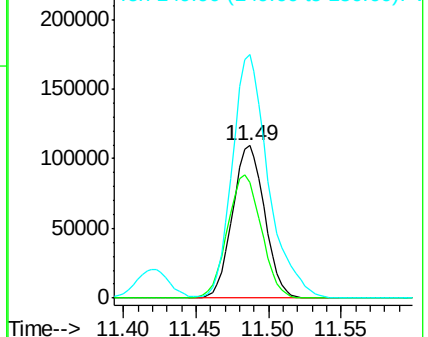
152 100

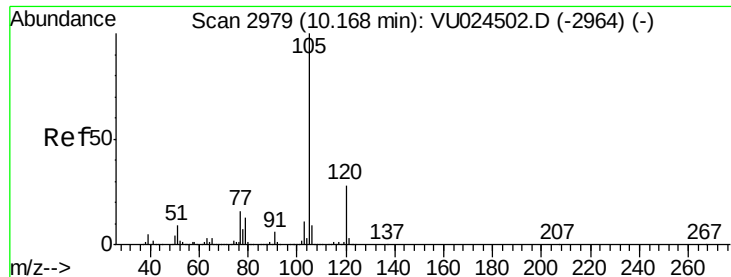
115 85.1 43.0 129.0

150 178.4 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: 53.257 ug/l

RT: 10.17 min Scan# 2979

Delta R.T. -0.00 min

Lab File: VU025034.D

Acq: 28 Jun 2018 20:44

Instrument :

MSVOA_U

ClientSampleId :

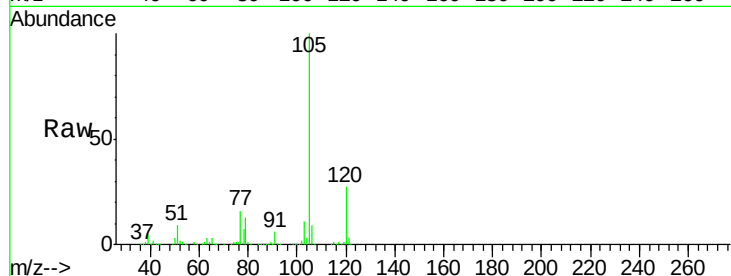
VSTDCCC050EC

Tgt Ion: 105 Resp: 690309

Ion Ratio Lower Upper

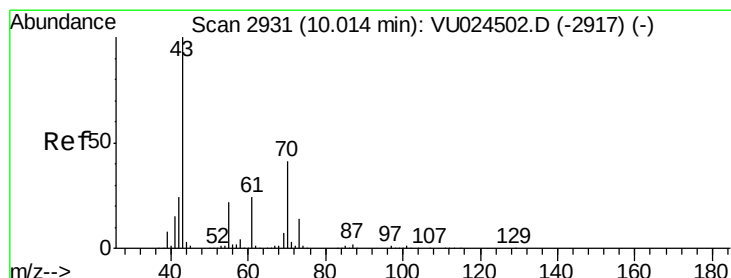
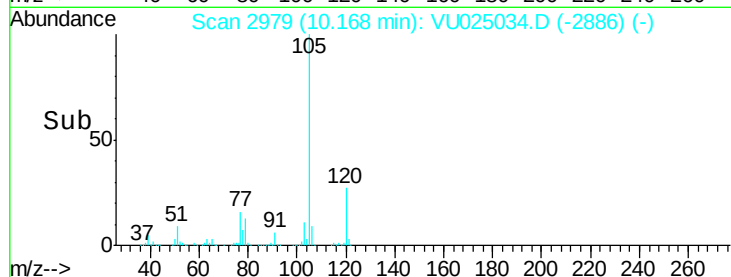
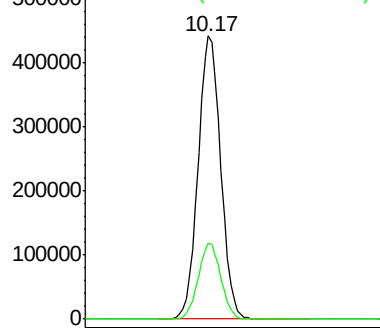
105 100

120 26.6 13.2 39.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 48.721 ug/l

RT: 10.01 min Scan# 2931

Delta R.T. -0.00 min

Lab File: VU025034.D

Acq: 28 Jun 2018 20:44

Tgt Ion: 43 Resp: 300374

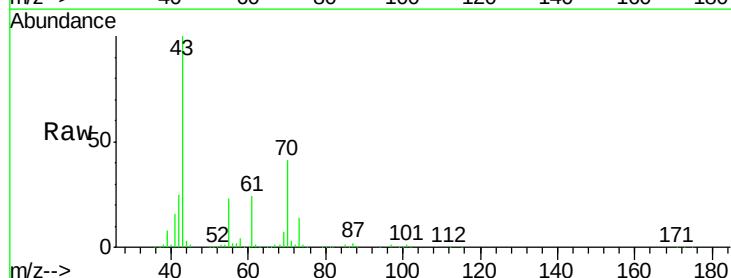
Ion Ratio Lower Upper

43 100

70 41.4 32.2 48.4

55 23.4 20.5 30.7

61 23.6 18.7 28.1

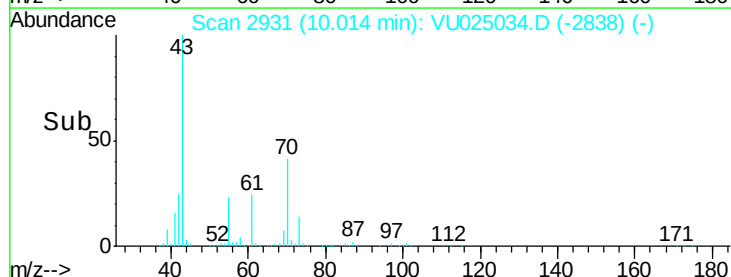
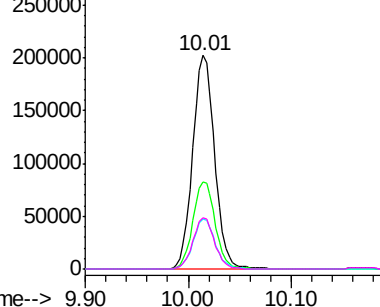


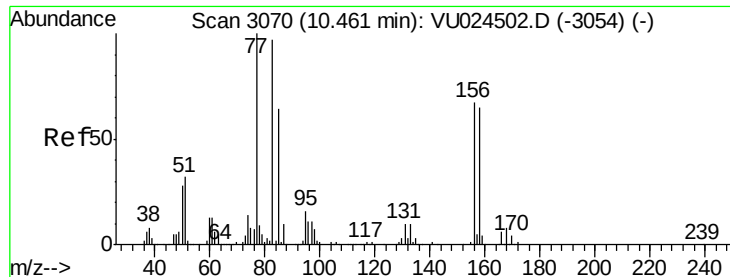
Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 70.00 (69.70 to 70.70): VU0

Ion 55.00 (54.70 to 55.70): VU0

Ion 61.00 (60.70 to 61.70): VU0





#75

1,1,2,2-Tetrachloroethane

Concen: 52.896 ug/l

RT: 10.46 min Scan# 3070

Delta R.T. 0.00 min

Lab File: VU025034.D

Acq: 28 Jun 2018 20:44

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

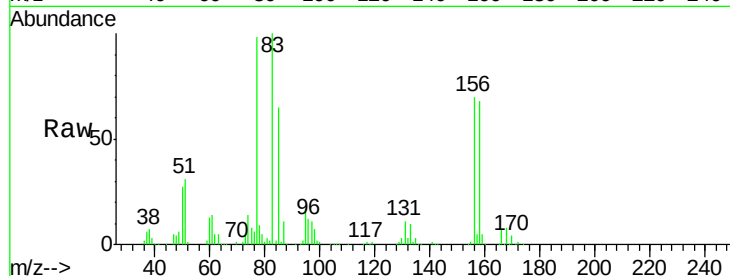
Tgt Ion: 83 Resp: 229756

Ion Ratio Lower Upper

83 100

131 10.7 4.7 14.1

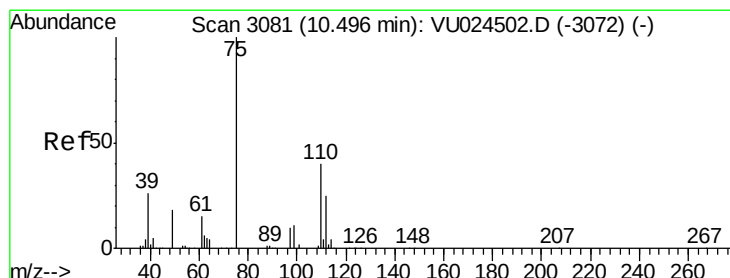
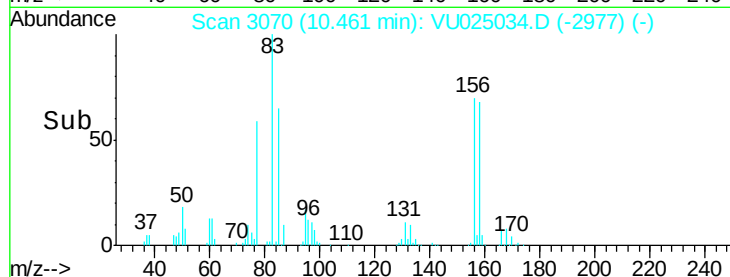
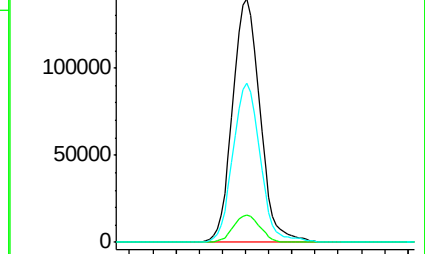
85 64.9 32.5 97.5



Abundance Ion 82.90 (82.60 to 83.60): VU025034.D (-2977) (-)

Ion 130.80 (130.50 to 131.50): VU025034.D (-2977) (-)

Ion 84.90 (84.60 to 85.60): VU025034.D (-2977) (-)



#76

1,2,3-Trichloropropane

Concen: 72.646 ug/l

RT: 10.50 min Scan# 3081

Delta R.T. -0.00 min

Lab File: VU025034.D

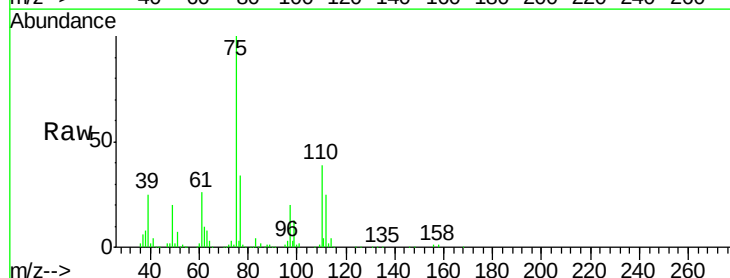
Acq: 28 Jun 2018 20:44

Tgt Ion: 75 Resp: 270019

Ion Ratio Lower Upper

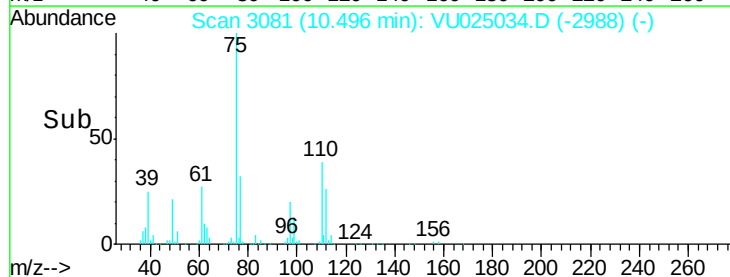
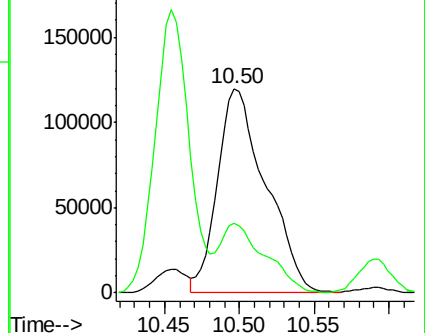
75 100

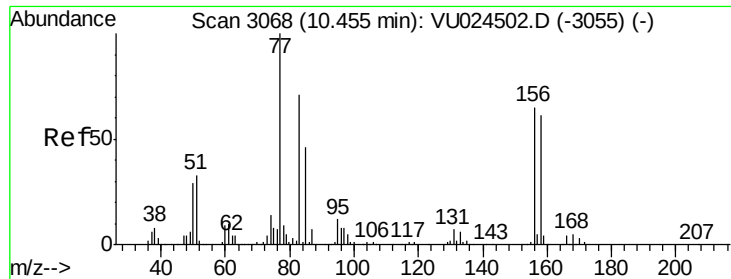
77 30.6 20.9 62.7



Abundance Ion 74.90 (74.60 to 75.60): VU025034.D (-2988) (-)

Ion 77.00 (76.70 to 77.70): VU025034.D (-2988) (-)





#77

Bromobenzene

Concen: 54.545 ug/l

RT: 10.45 min Scan# 3068

Delta R.T. -0.00 min

Lab File: VU025034.D

Acq: 28 Jun 2018 20:44

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

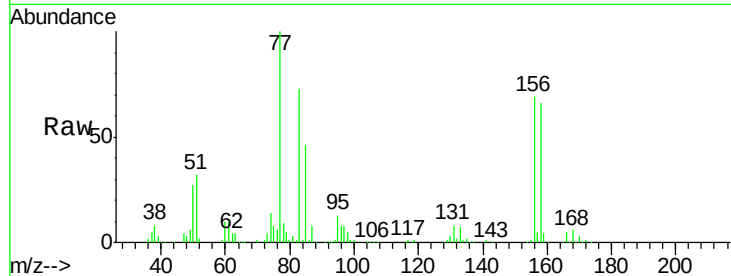
Tgt Ion:156 Resp: 178985

Ion Ratio Lower Upper

156 100

77 146.8 80.5 241.3

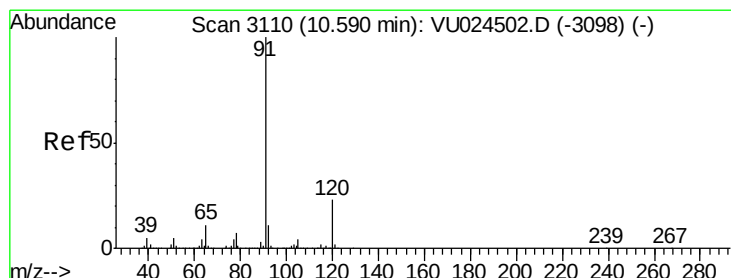
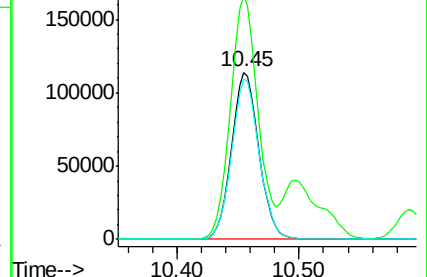
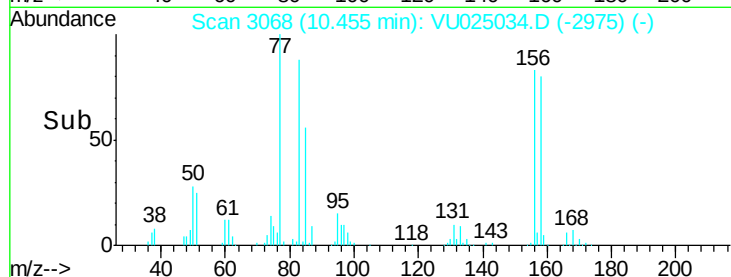
158 96.8 48.2 144.6



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: 50.887 ug/l

RT: 10.59 min Scan# 3110

Delta R.T. 0.00 min

Lab File: VU025034.D

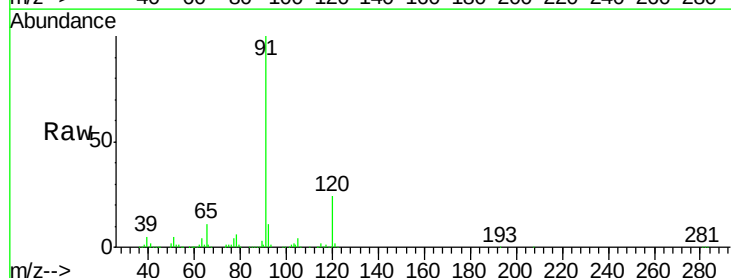
Acq: 28 Jun 2018 20:44

Tgt Ion: 91 Resp: 776979

Ion Ratio Lower Upper

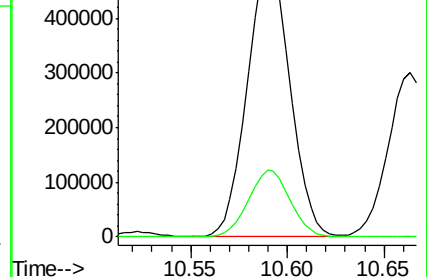
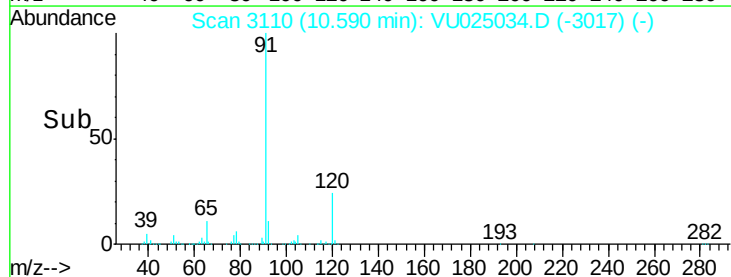
91 100

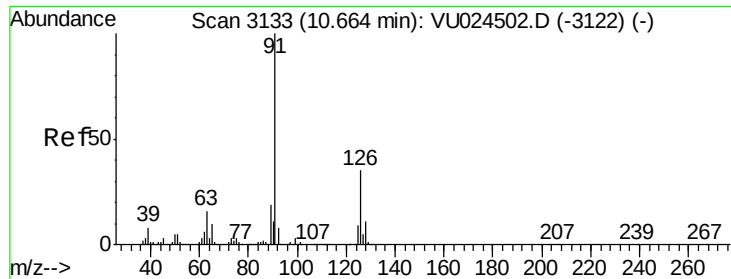
120 23.6 11.2 33.5



Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 51.976 ug/l

RT: 10.66 min Scan# 3133

Delta R.T. 0.00 min

Lab File: VU025034.D

Acq: 28 Jun 2018 20:44

Instrument :

MSVOA_U

ClientSampleId :

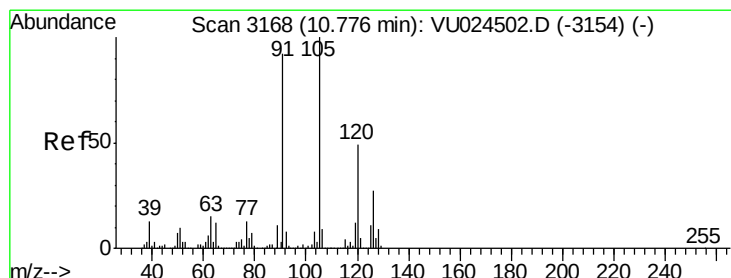
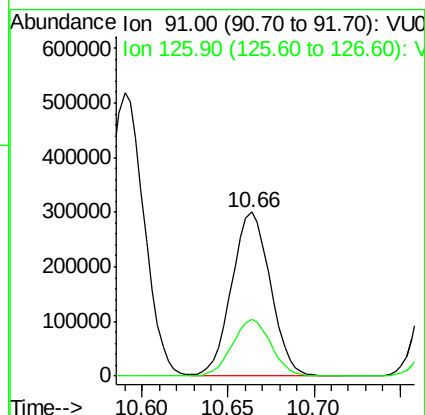
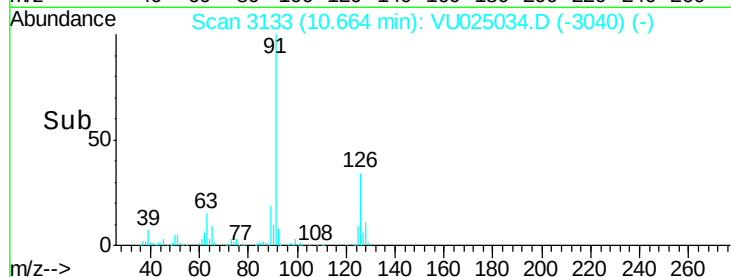
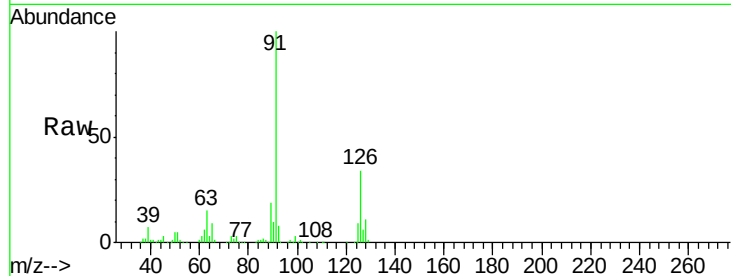
VSTDCCC050EC

Tgt Ion: 91 Resp: 468008

Ion Ratio Lower Upper

91 100

126 34.8 16.9 50.7



#80

1,3,5-Trimethylbenzene

Concen: 52.774 ug/l

RT: 10.78 min Scan# 3168

Delta R.T. 0.00 min

Lab File: VU025034.D

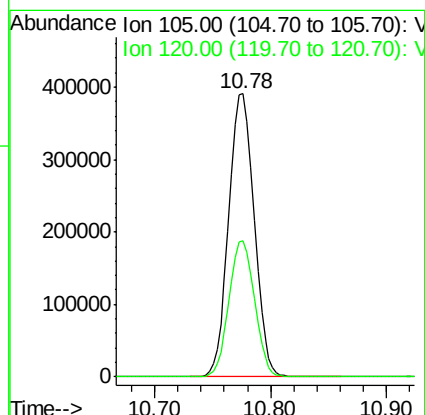
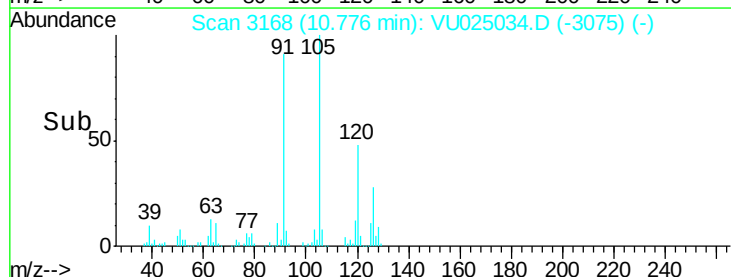
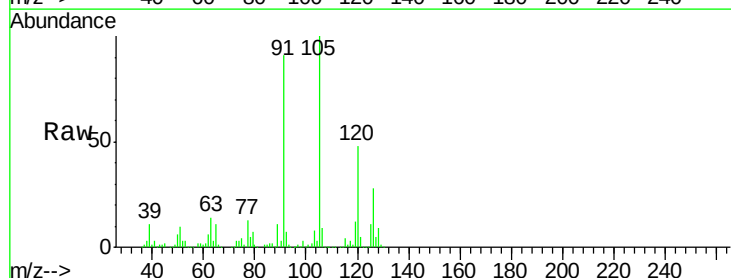
Acq: 28 Jun 2018 20:44

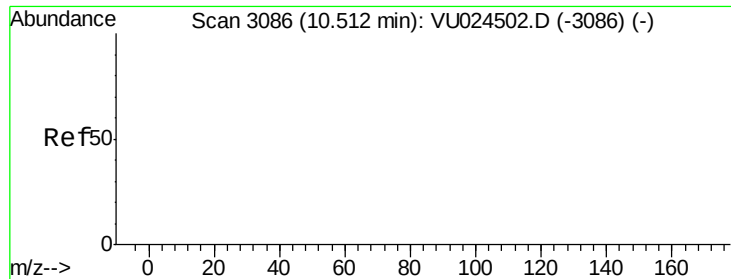
Tgt Ion: 105 Resp: 592890

Ion Ratio Lower Upper

105 100

120 48.2 24.1 72.2

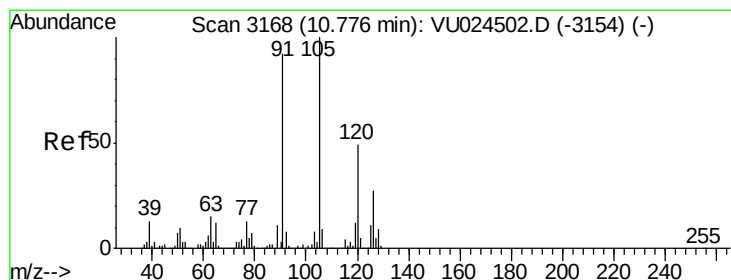
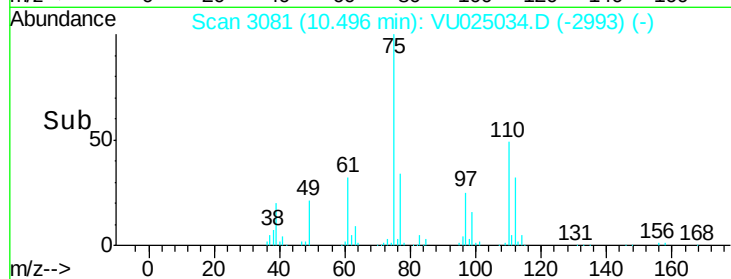
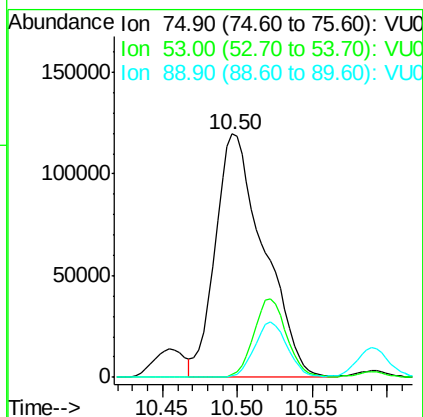
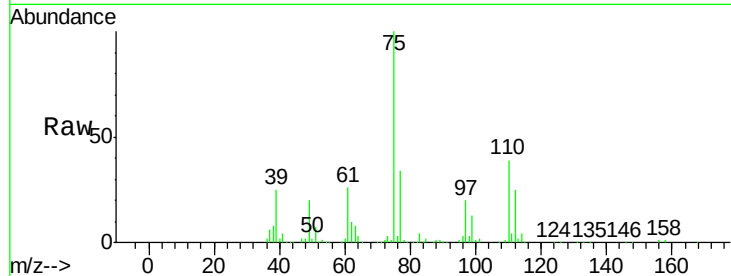




#81
trans-1,4-Dichloro-2-butene
Concen: 168.132 ug/l
RT: 10.50 min Scan# 3081
Delta R.T. -0.02 min
Lab File: VU025034.D
Acq: 28 Jun 2018 20:44

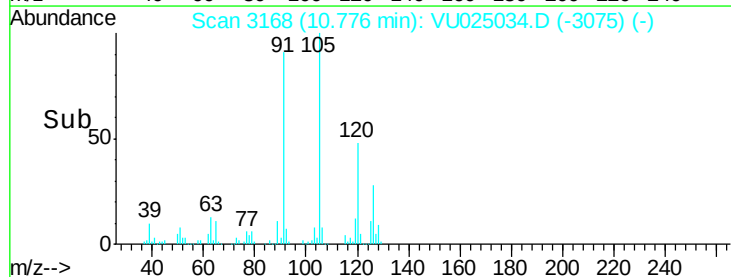
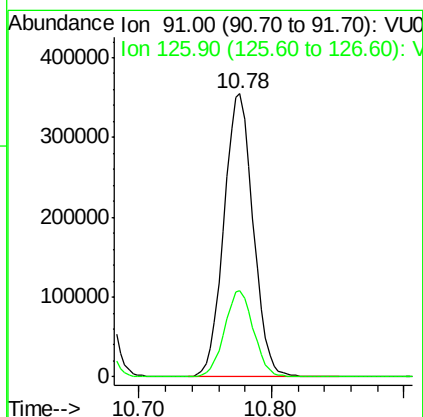
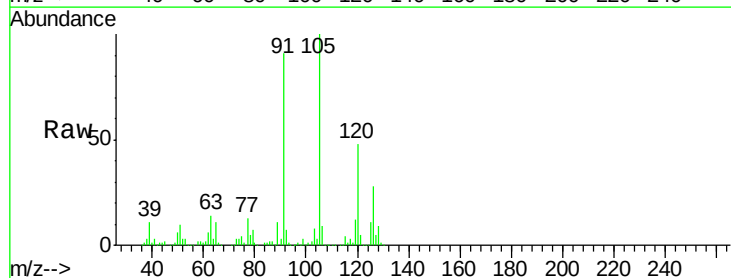
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

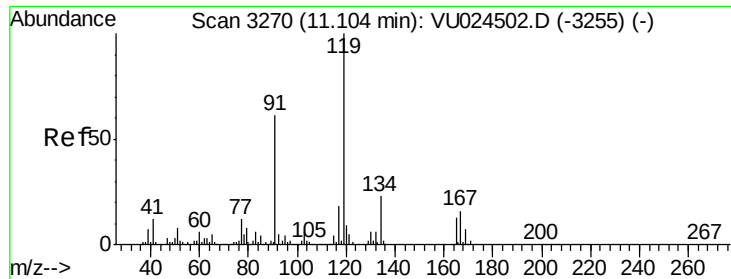
Tgt Ion: 75 Resp: 270019
Ion Ratio Lower Upper
75 100
53 0.0 0.0 0.0
89 0.0 0.0 0.0



#82
4-Chlorotoluene
Concen: 51.684 ug/l
RT: 10.78 min Scan# 3168
Delta R.T. 0.00 min
Lab File: VU025034.D
Acq: 28 Jun 2018 20:44

Tgt Ion: 91 Resp: 541653
Ion Ratio Lower Upper
91 100
126 30.4 14.9 44.9

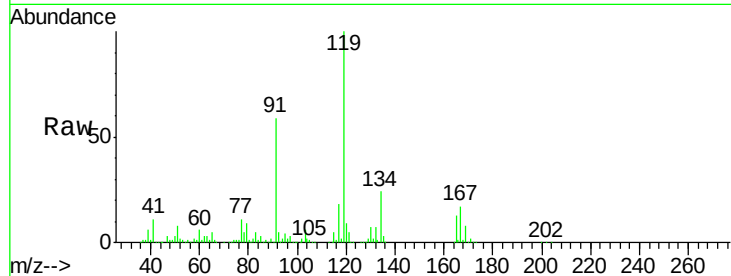




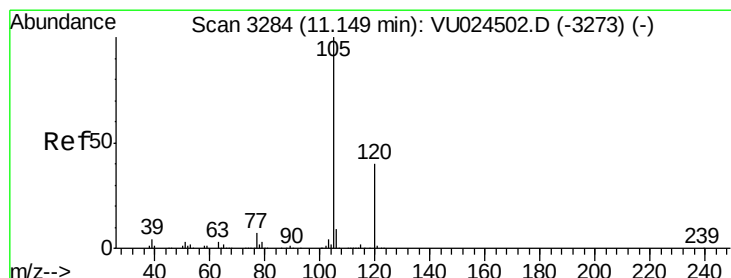
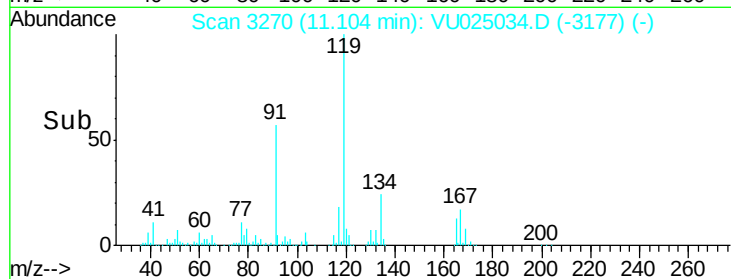
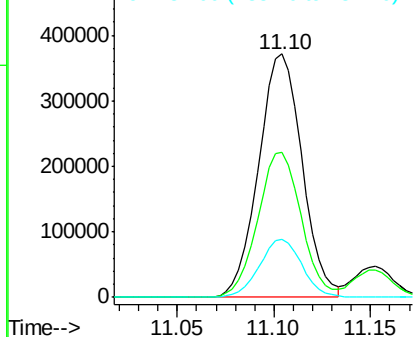
#83
 tert-Butylbenzene
 Concen: 54.019 ug/l
 RT: 11.10 min Scan# 3270
 Delta R.T. 0.00 min
 Lab File: VU025034.D
 Acq: 28 Jun 2018 20:44

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tgt Ion:119 Resp: 583774
 Ion Ratio Lower Upper
 119 100
 91 59.4 29.7 89.1
 134 23.5 11.6 34.7

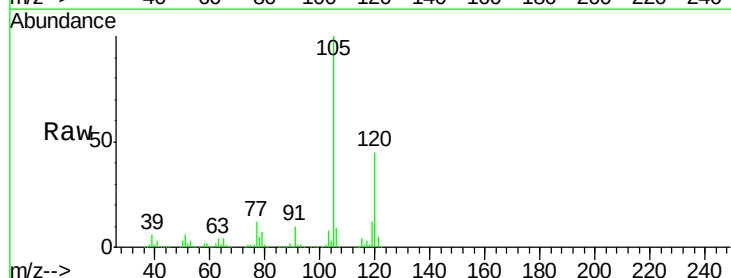


Abundance Ion 119.00 (118.70 to 119.70): V
 Ion 91.00 (90.70 to 91.70): V
 Ion 134.00 (133.70 to 134.70): V

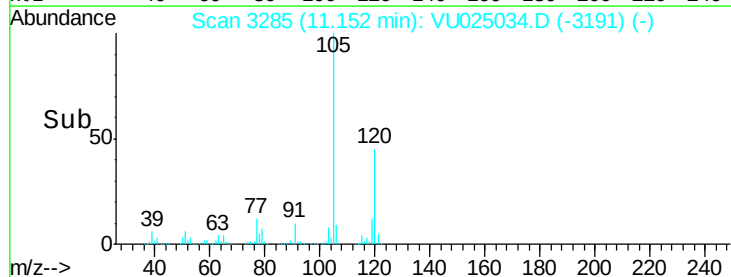
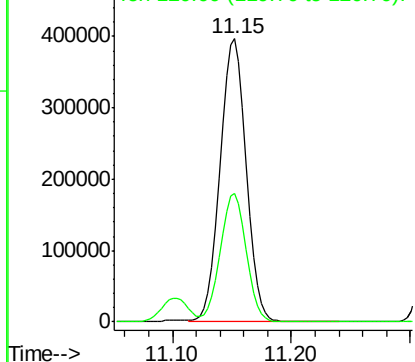


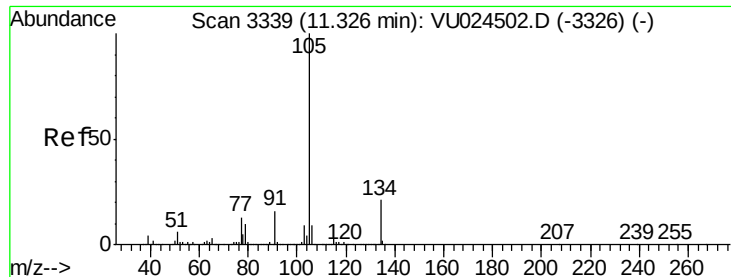
#84
 1,2,4-Trimethylbenzene
 Concen: 52.608 ug/l
 RT: 11.15 min Scan# 3285
 Delta R.T. 0.00 min
 Lab File: VU025034.D
 Acq: 28 Jun 2018 20:44

Tgt Ion:105 Resp: 602309
 Ion Ratio Lower Upper
 105 100
 120 45.1 22.6 67.8



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





#85

sec-Butylbenzene

Concen: 52.301 ug/l

RT: 11.33 min Scan# 3339

Delta R.T. -0.00 min

Lab File: VU025034.D

Acq: 28 Jun 2018 20:44

Instrument :

MSVOA_U

ClientSampleId :

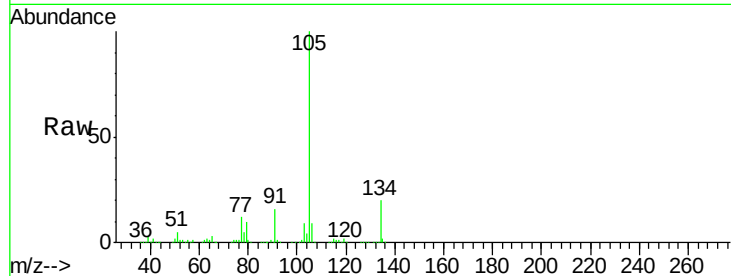
VSTDCCC050EC

Tgt Ion:105 Resp: 707483

Ion Ratio Lower Upper

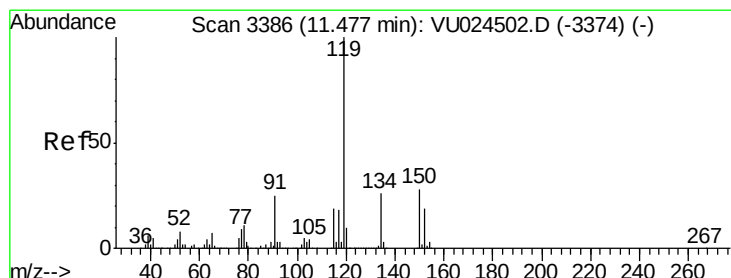
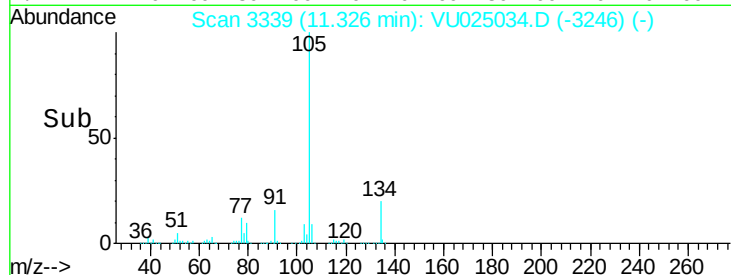
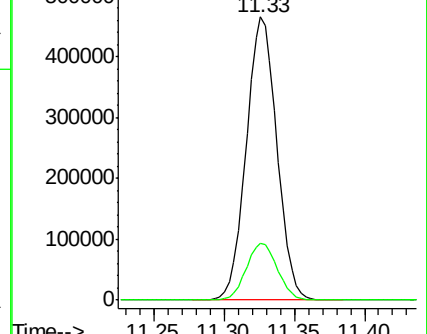
105 100

134 20.4 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: 51.373 ug/l

RT: 11.48 min Scan# 3386

Delta R.T. -0.00 min

Lab File: VU025034.D

Acq: 28 Jun 2018 20:44

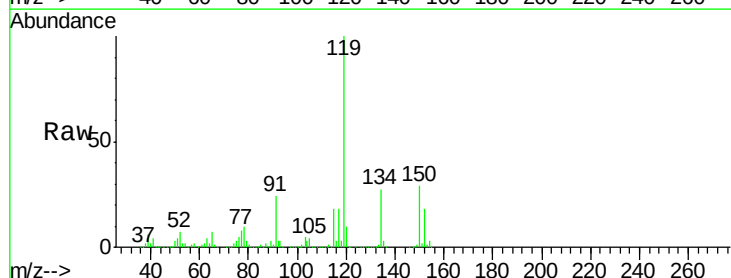
Tgt Ion:119 Resp: 622389

Ion Ratio Lower Upper

119 100

134 26.5 12.9 38.6

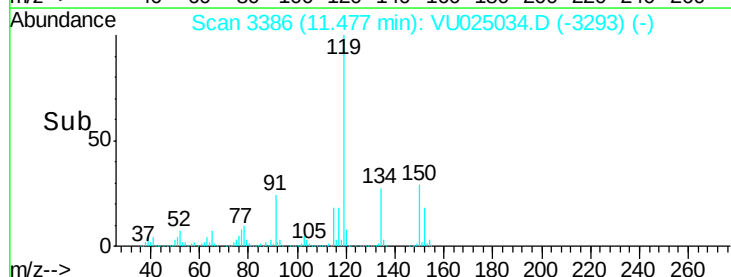
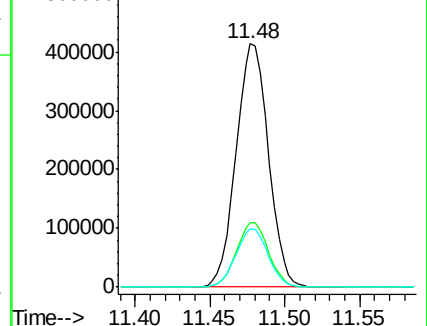
91 23.9 12.0 36.1

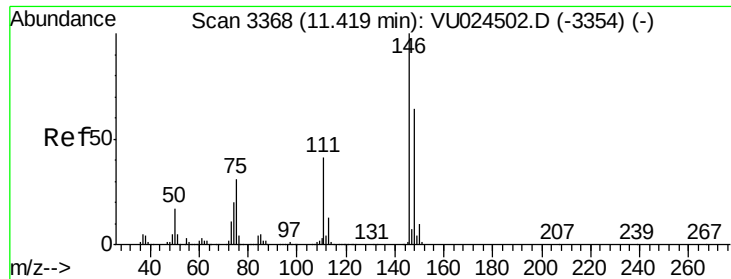


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VU0

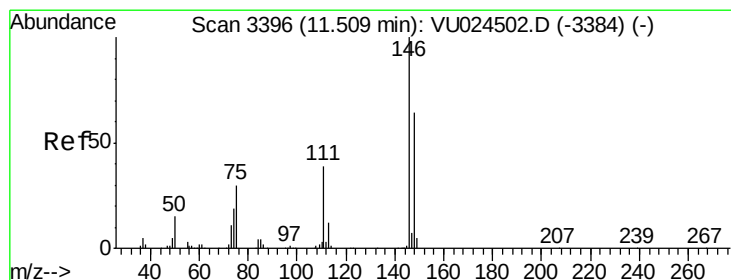
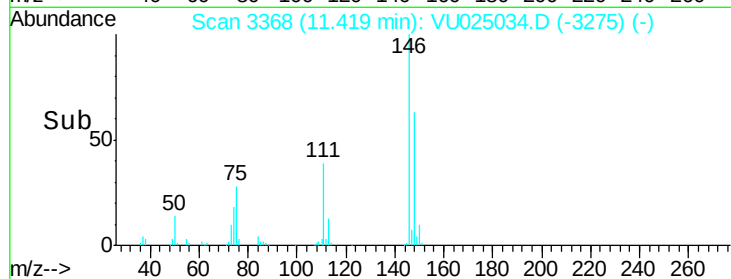
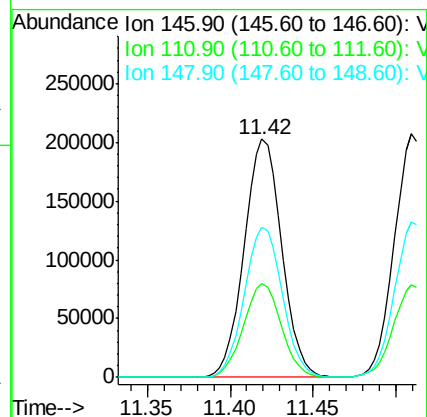
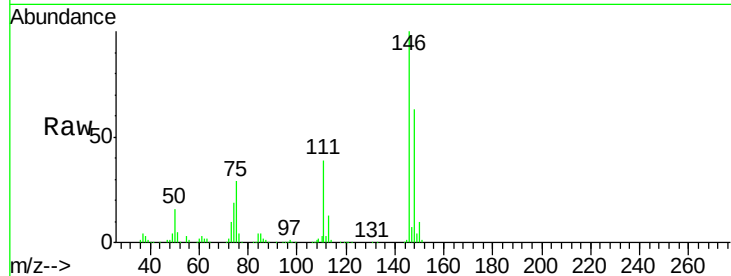




#87
 1,3-Dichlorobenzene
 Concen: 52.546 ug/l
 RT: 11.42 min Scan# 3368
 Delta R.T. 0.00 min
 Lab File: VU025034.D
 Acq: 28 Jun 2018 20:44

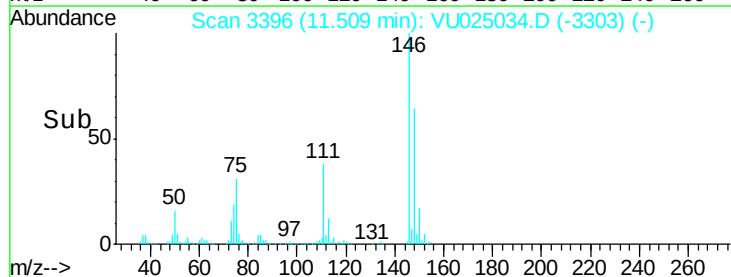
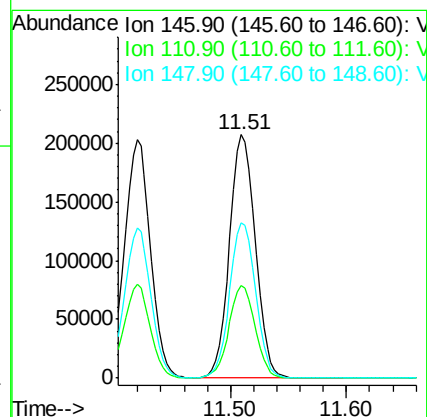
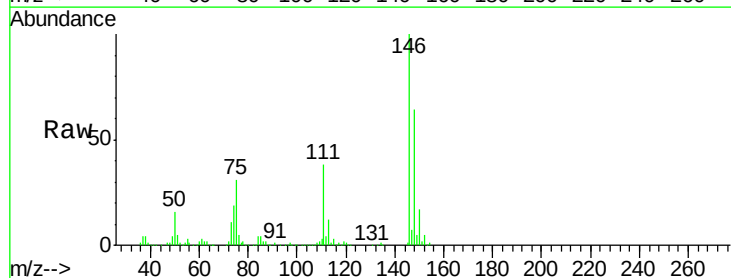
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

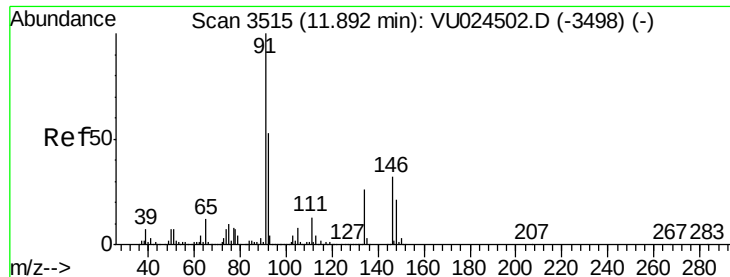
Tgt Ion:146 Resp: 318558
 Ion Ratio Lower Upper
 146 100
 111 39.7 20.0 60.0
 148 64.1 32.1 96.5



#88
 1,4-Dichlorobenzene
 Concen: 52.586 ug/l
 RT: 11.51 min Scan# 3396
 Delta R.T. -0.00 min
 Lab File: VU025034.D
 Acq: 28 Jun 2018 20:44

Tgt Ion:146 Resp: 320874
 Ion Ratio Lower Upper
 146 100
 111 38.8 19.5 58.5
 148 63.9 32.4 97.0





#89

n-Butylbenzene

Concen: 47.188 ug/l

RT: 11.89 min Scan# 3515

Delta R.T. 0.00 min

Lab File: VU025034.D

Acq: 28 Jun 2018 20:44

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

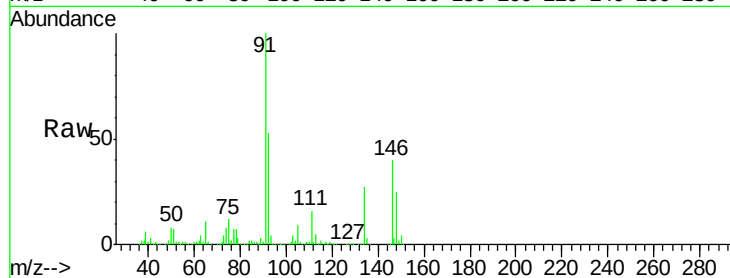
Tgt Ion: 91 Resp: 507554

Ion Ratio Lower Upper

91 100

92 53.2 25.6 76.8

134 27.2 12.3 36.8

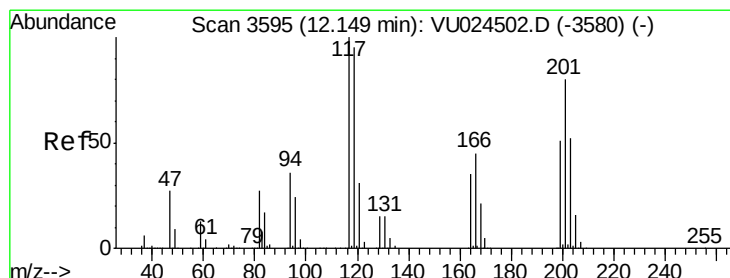
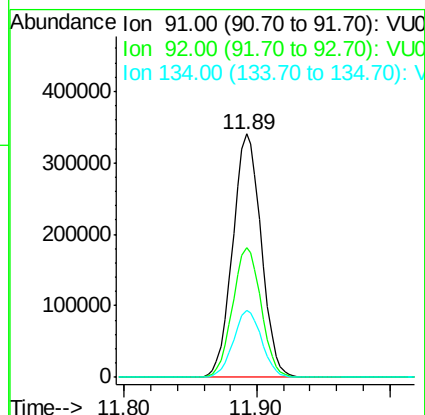
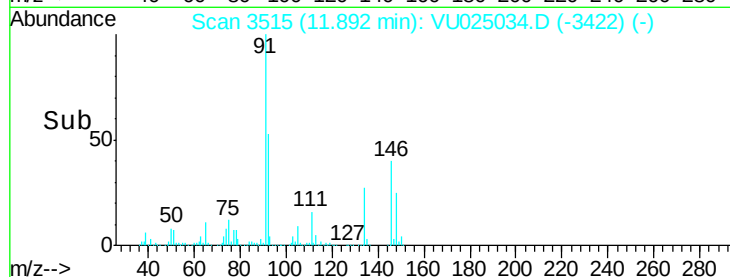


Abundance Ion 91.00 (90.70 to 91.70): VU024502.D (-3498) (-)

Ion 92.00 (91.70 to 92.70): VU024502.D (-3498) (-)

Ion 134.00 (133.70 to 134.70): VU024502.D (-3498) (-)

Time--> 11.80 11.90



#90

Hexachloroethane

Concen: 46.092 ug/l

RT: 12.15 min Scan# 3595

Delta R.T. -0.00 min

Lab File: VU025034.D

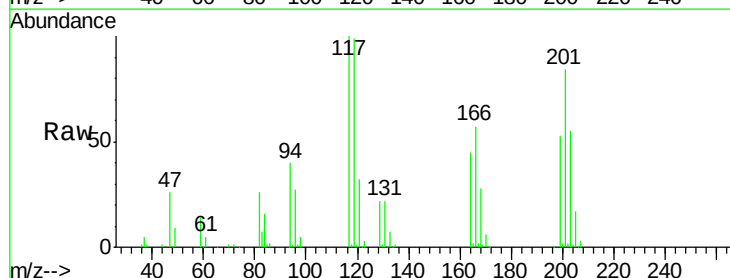
Acq: 28 Jun 2018 20:44

Tgt Ion: 117 Resp: 108933

Ion Ratio Lower Upper

117 100

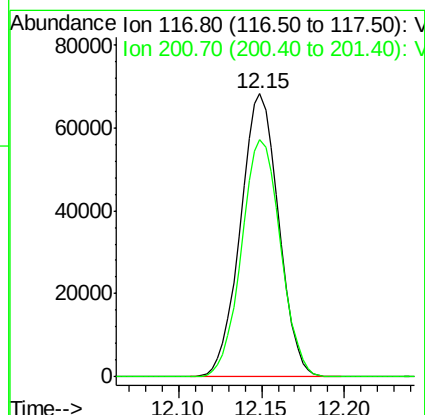
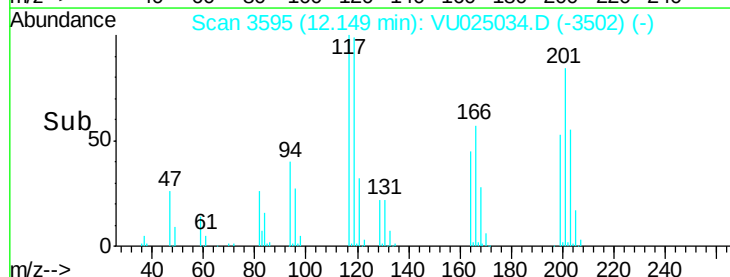
201 85.7 41.1 123.3

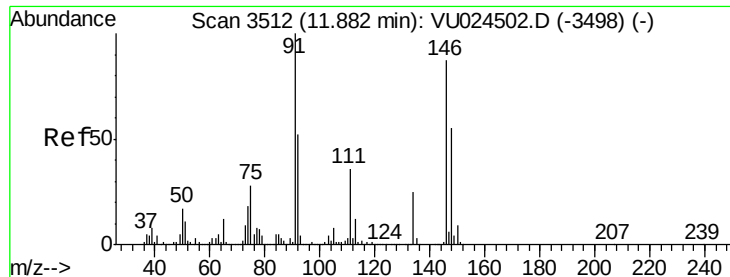


Abundance Ion 116.80 (116.50 to 117.50): VU024502.D (-3580) (-)

Ion 200.70 (200.40 to 201.40): VU024502.D (-3580) (-)

Time--> 12.10 12.15 12.20





#91

1,2-Dichlorobenzene

Concen: 54.506 ug/l

RT: 11.88 min Scan# 3512

Delta R.T. 0.00 min

Lab File: VU025034.D

Acq: 28 Jun 2018 20:44

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

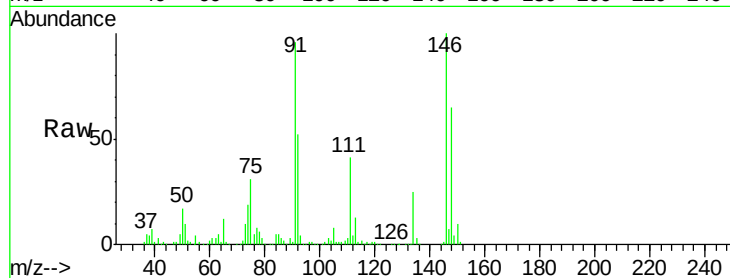
Tgt Ion:146 Resp: 330981

Ion Ratio Lower Upper

146 100

111 41.3 20.5 61.6

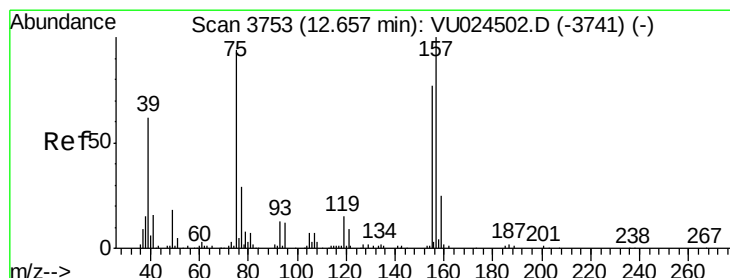
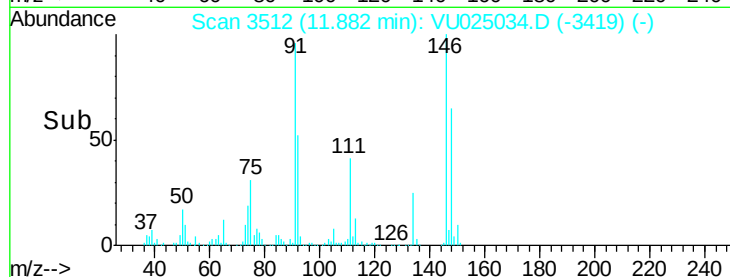
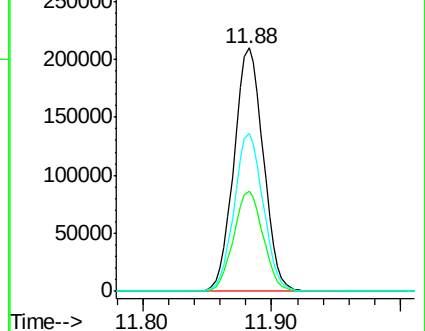
148 64.2 31.9 95.7



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 51.503 ug/l

RT: 12.66 min Scan# 3753

Delta R.T. -0.00 min

Lab File: VU025034.D

Acq: 28 Jun 2018 20:44

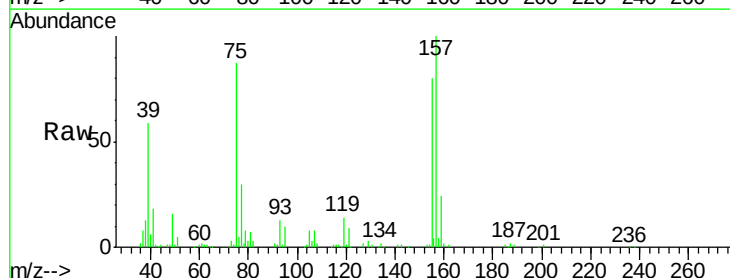
Tgt Ion: 75 Resp: 61727

Ion Ratio Lower Upper

75 100

155 88.6 40.4 121.2

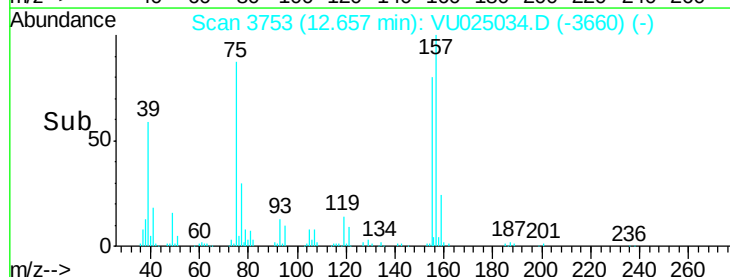
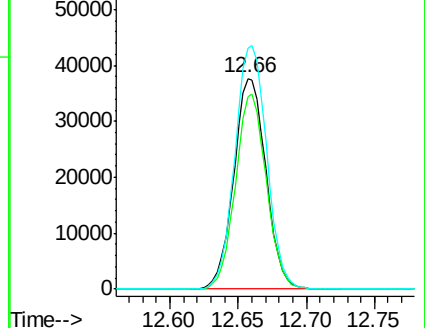
157 114.4 52.3 156.8

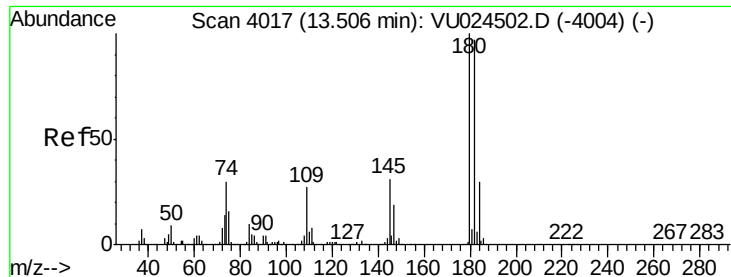


Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

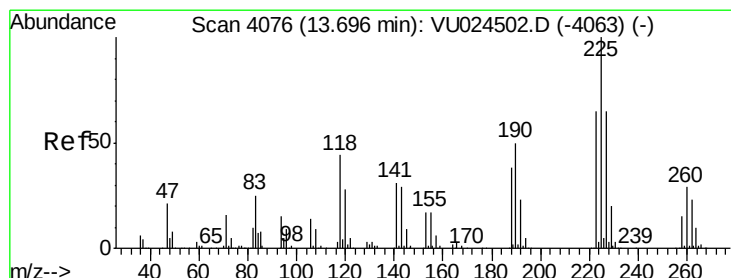
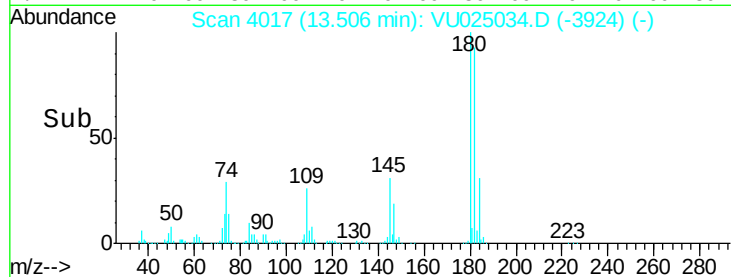
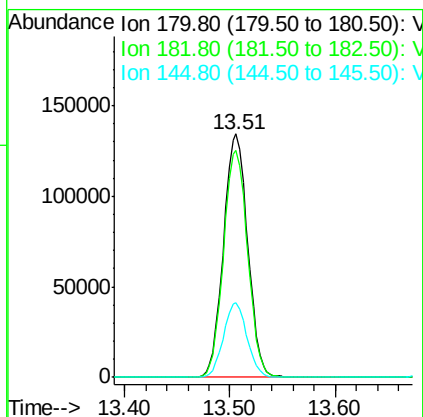
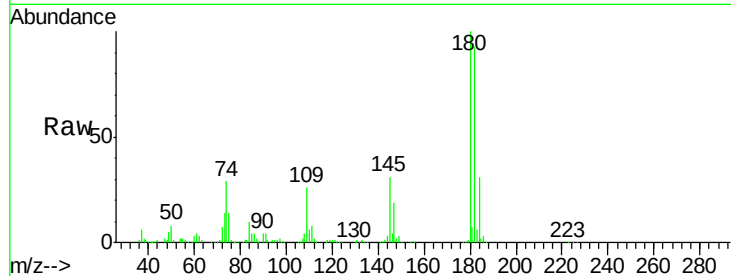




#93
 1,2,4-Trichlorobenzene
 Concen: 57.018 ug/l
 RT: 13.51 min Scan# 4017
 Delta R.T. 0.00 min
 Lab File: VU025034.D
 Acq: 28 Jun 2018 20:44

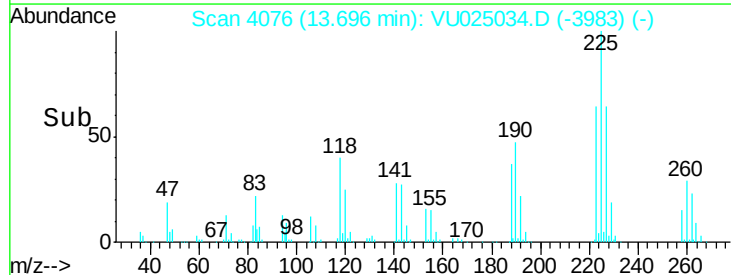
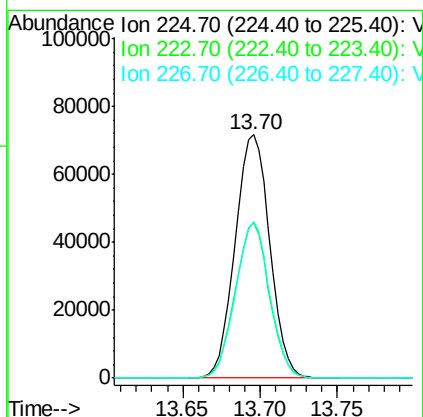
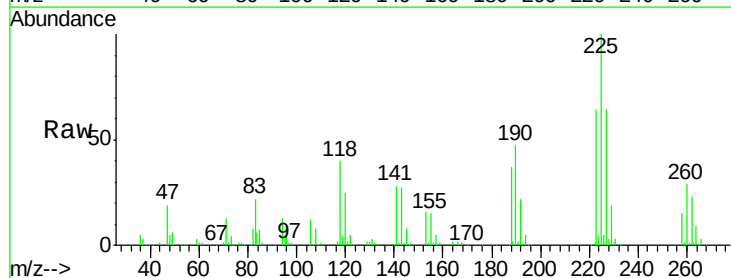
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

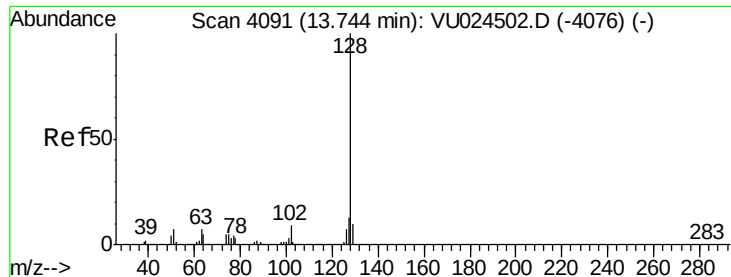
Tgt Ion:180 Resp: 213806
 Ion Ratio Lower Upper
 180 100
 182 93.0 48.0 144.2
 145 29.7 14.7 44.1



#94
 Hexachlorobutadiene
 Concen: 52.690 ug/l
 RT: 13.70 min Scan# 4076
 Delta R.T. 0.00 min
 Lab File: VU025034.D
 Acq: 28 Jun 2018 20:44

Tgt Ion:225 Resp: 111207
 Ion Ratio Lower Upper
 225 100
 223 63.0 31.3 93.8
 227 63.2 31.8 95.4





#95

Naphthalene

Concen: 58.528 ug/l

RT: 13.74 min Scan# 4091

Delta R.T. 0.00 min

Lab File: VU025034.D

Acq: 28 Jun 2018 20:44

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

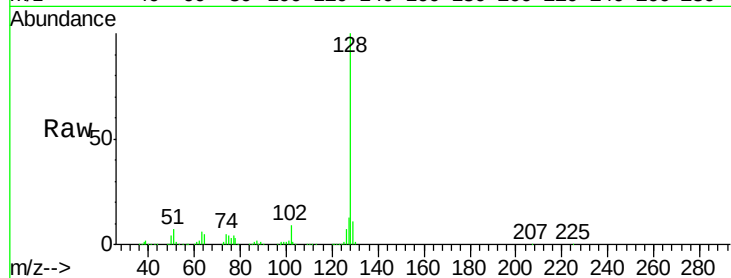
Tgt Ion:128 Resp: 728007

Ion Ratio Lower Upper

128 100

127 12.8 10.6 16.0

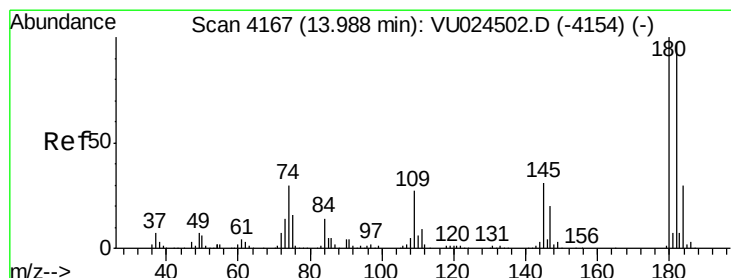
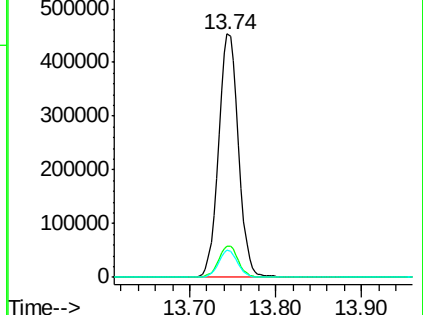
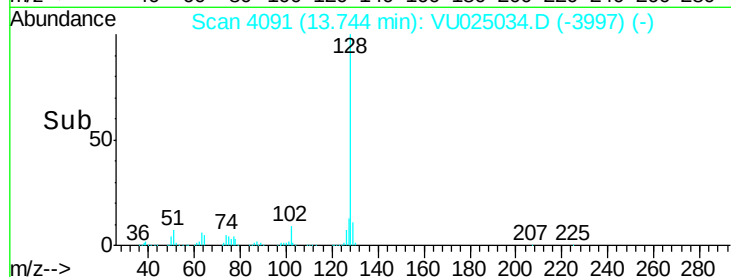
129 10.7 8.6 12.8



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: 59.538 ug/l

RT: 13.99 min Scan# 4167

Delta R.T. -0.00 min

Lab File: VU025034.D

Acq: 28 Jun 2018 20:44

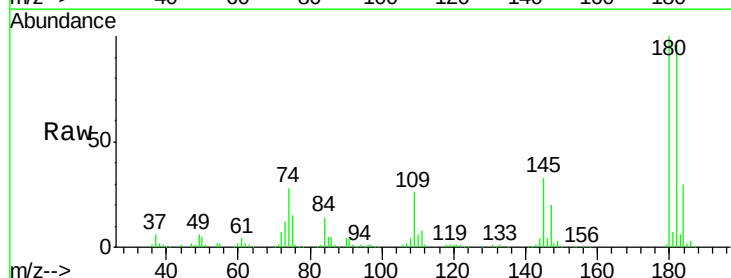
Tgt Ion:180 Resp: 222461

Ion Ratio Lower Upper

180 100

182 94.8 47.9 143.7

145 32.4 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

