

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU070218\
 Data File : VU025158.D
 Acq On : 02 Jul 2018 21:19
 Operator : MD/SY
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Quant Time: Jul 03 03:02:50 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	163453	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	254852	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	239890	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.49	152	146100	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.31	65	131336	49.22	ug/l	0.00
Spiked Amount			Recovery	=	98.44%	
35) Dibromofluoromethane	4.89	113	107153	50.66	ug/l	0.00
Spiked Amount			Recovery	=	101.32%	
50) Toluene-d8	7.57	98	339945	44.06	ug/l	0.00
Spiked Amount			Recovery	=	88.12%	
62) 4-Bromofluorobenzene	10.31	95	150130	49.01	ug/l	0.00
Spiked Amount			Recovery	=	98.02%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	85745	41.910	ug/l	99
3) Chloromethane	1.33	50	94242	45.087	ug/l	100
4) Vinyl Chloride	1.40	62	99559	46.186	ug/l	98
5) Bromomethane	1.61	94	52765	50.636	ug/l	99
6) Chloroethane	1.69	64	65962	54.864	ug/l	100
7) Trichlorofluoromethane	1.88	101	161694	49.152	ug/l	98
8) Diethyl Ether	2.10	74	61076	54.734	ug/l	93
9) 1,1,2-Trichlorotrifluoroet	2.28	101	97135	47.595	ug/l	97
10) Methyl Iodide	2.41	142	111949	63.249	ug/l	97
11) Tert butyl alcohol	2.83	59	184993	285.052	ug/l	98
12) 1,1-Dichloroethene	2.28	96	91823	49.336	ug/l	95
13) Acrolein	2.19	56	57498	168.717	ug/l	98
14) Allyl chloride	2.59	41	156664	45.335	ug/l	99
15) Acrylonitrile	2.93	53	347685	275.358	ug/l	99
16) Acetone	2.32	43	348903	243.353	ug/l	99
17) Carbon Disulfide	2.48	76	250409	42.019	ug/l	99
18) Methyl Acetate	2.62	43	219383	71.376	ug/l	98
19) Methyl tert-butyl Ether	3.00	73	371950	53.166	ug/l	96
20) Methylene Chloride	2.70	84	114932	51.089	ug/l	99
21) trans-1,2-Dichloroethene	2.98	96	101746	49.635	ug/l	99
22) Diisopropyl ether	3.57	45	358389	52.317	ug/l	97
23) Vinyl Acetate	3.53	43	1514855	246.861	ug/l	99
24) 1,1-Dichloroethane	3.45	63	204757	51.958	ug/l	99
25) 2-Butanone	4.26	43	523827	272.001	ug/l	98
26) 2,2-Dichloropropane	4.23	77	147963	39.541	ug/l	100
27) cis-1,2-Dichloroethene	4.23	96	121683	51.634	ug/l	97
28) Bromochloromethane	4.55	49	72330	41.670	ug/l	86
29) Tetrahydrofuran	4.64	42	327879	274.928	ug/l	97
30) Chloroform	4.68	83	212693	53.323	ug/l	99
31) Cyclohexane	5.00	56	176817	50.547	ug/l	92
32) 1,1,1-Trichloroethane	4.92	97	195189	52.918	ug/l	97
36) 1,1-Dichloropropene	5.14	75	151853	50.707	ug/l	99
37) Ethyl Acetate	4.38	43	184087	56.399	ug/l	98
38) Carbon Tetrachloride	5.14	117	173666	52.735	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.42	83	179486	48.027	ug/l	96
40) Benzene	5.39	78	440442	51.615	ug/l	99
41) Methacrylonitrile	4.54	41	103847	59.009	ug/l	99
42) 1,2-Dichloroethane	5.41	62	184725	56.838	ug/l	99
43) Isopropyl Acetate	5.55	43	291775	51.715	ug/l	98
44) Trichloroethene	6.19	130	121624	50.081	ug/l	96
45) 1,2-Dichloropropane	6.44	63	120995	53.141	ug/l	100
46) Dibromomethane	6.56	93	87822	54.913	ug/l	95
47) Bromodichloromethane	6.76	83	167763	52.678	ug/l	97
48) Methyl methacrylate	6.63	41	153610	55.913	ug/l	98
49) 1,4-Dioxane	6.62	88	74394	1384.661	ug/l	98
51) 4-Methyl-2-Pentanone	7.46	43	983888	277.574	ug/l	98
52) Toluene	7.64	92	288857	52.615	ug/l	99
53) t-1,3-Dichloropropene	7.88	75	177299	49.575	ug/l	99
54) cis-1,3-Dichloropropene	7.27	75	185958	48.797	ug/l	99
55) 1,1,2-Trichloroethane	8.07	97	121294	54.352	ug/l	95
56) Ethyl methacrylate	8.02	69	192468	51.529	ug/l	99
57) 1,3-Dichloropropane	8.25	76	204573	54.342	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.13	63	355211	248.232	ug/l	95
59) 2-Hexanone	8.36	43	800147	276.502	ug/l	100
60) Dibromochloromethane	8.48	129	137748	49.499	ug/l	99
61) 1,2-Dibromoethane	8.59	107	133428	53.718	ug/l	98
64) Tetrachloroethene	8.23	164	118594	52.009	ug/l	97
65) Chlorobenzene	9.12	112	326353	53.253	ug/l	99
66) 1,1,1,2-Tetrachloroethane	9.21	131	125787	54.026	ug/l	98
67) Ethyl Benzene	9.25	91	569437	53.003	ug/l	98
68) m/p-Xylenes	9.38	106	445714	108.040	ug/l	97
69) o-Xylene	9.78	106	222556	54.510	ug/l	95
70) Styrene	9.80	104	355407	52.971	ug/l	98
71) Bromoform	9.96	173	107963	48.786	ug/l #	100
73) Isopropylbenzene	10.17	105	594753	53.023	ug/l	99
74) N-amyl acetate	10.01	43	268805	50.382	ug/l	98
75) 1,1,2,2-Tetrachloroethane	10.46	83	207891	55.307	ug/l	99
76) 1,2,3-Trichloropropane	10.50	75	241719	75.148	ug/l	81
77) Bromobenzene	10.45	156	153896	54.194	ug/l	94
78) n-propylbenzene	10.59	91	672357	50.884	ug/l	97
79) 2-Chlorotoluene	10.66	91	407630	52.313	ug/l	99
80) 1,3,5-Trimethylbenzene	10.78	105	511338	52.595	ug/l	99
81) trans-1,4-Dichloro-2-buten	10.50	75	241719	173.923	ug/l #	100
82) 4-Chlorotoluene	10.78	91	466400	51.426	ug/l	98
83) tert-Butylbenzene	11.10	119	505249	54.025	ug/l	100
84) 1,2,4-Trimethylbenzene	11.15	105	521932	52.679	ug/l	99
85) sec-Butylbenzene	11.33	105	606373	51.799	ug/l	98
86) p-Isopropyltoluene	11.48	119	538367	51.350	ug/l	99
87) 1,3-Dichlorobenzene	11.42	146	276878	52.775	ug/l	99
88) 1,4-Dichlorobenzene	11.51	146	277636	52.577	ug/l	99
89) n-Butylbenzene	11.89	91	433494	46.571	ug/l	97
90) Hexachloroethane	12.15	117	99056	48.432	ug/l	99
91) 1,2-Dichlorobenzene	11.88	146	284863	54.209	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	12.66	75	56681	54.650	ug/l	95

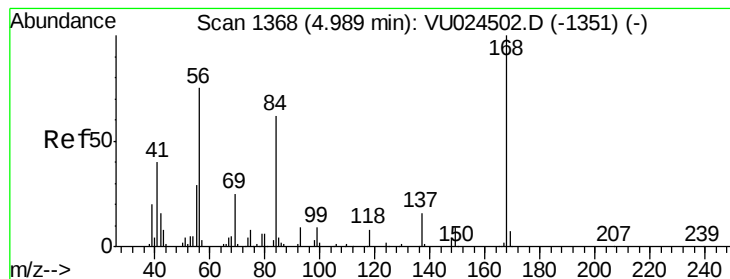
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.51	180	177639	54.742	ug/l	99
94) Hexachlorobutadiene	13.70	225	93001	50.918	ug/l	98
95) Naphthalene	13.74	128	614465	57.100	ug/l	99
96) 1,2,3-Trichlorobenzene	13.99	180	187995	58.140	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.99 min Scan# 1367

Delta R.T. -0.00 min

Lab File: VU025158.D

Acq: 02 Jul 2018 21:19

Instrument :

MSVOA_U

ClientSampleId :

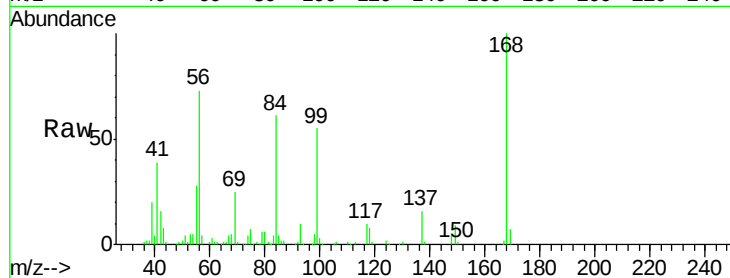
VSTDCCC050EC

Tot Ion:168 Resp: 163453

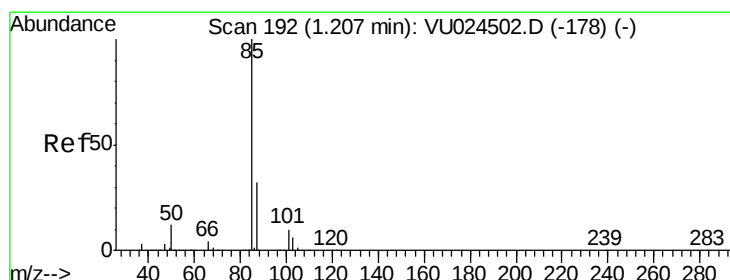
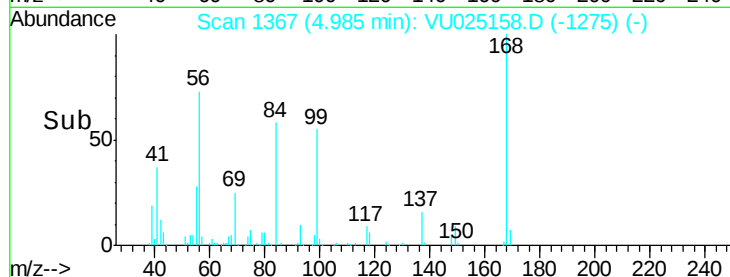
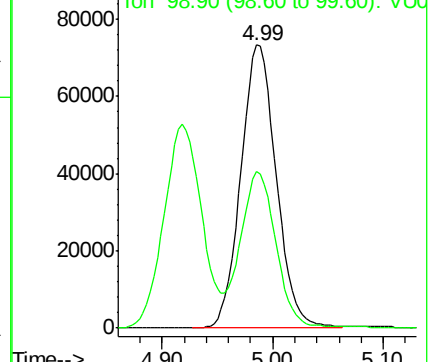
Ion Ratio Lower Upper

168 100

99 54.8 43.2 64.8



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



#2

Dichlorodifluoromethane

Concen: 41.910 ug/l

RT: 1.20 min Scan# 191

Delta R.T. -0.00 min

Lab File: VU025158.D

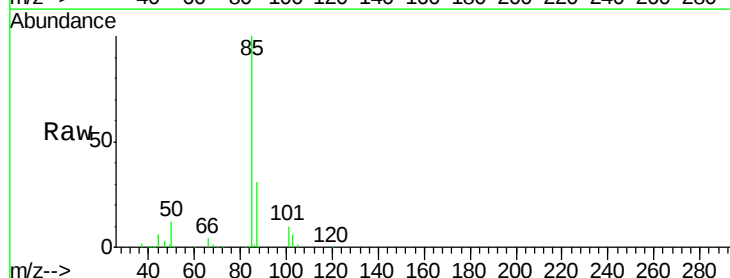
Acq: 02 Jul 2018 21:19

Tgt Ion: 85 Resp: 85745

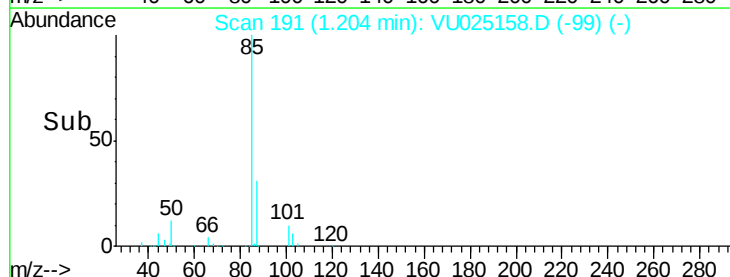
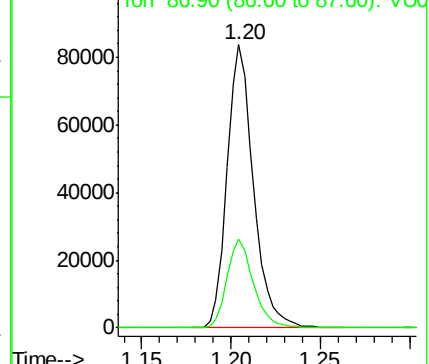
Ion Ratio Lower Upper

85 100

87 31.3 16.1 48.2



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





#3

Chloromethane

Concen: 45.087 ug/l

RT: 1.33 min Scan# 229

Delta R.T. -0.00 min

Lab File: VU025158.D

Acq: 02 Jul 2018 21:19

Instrument :

MSVOA_U

ClientSampleId :

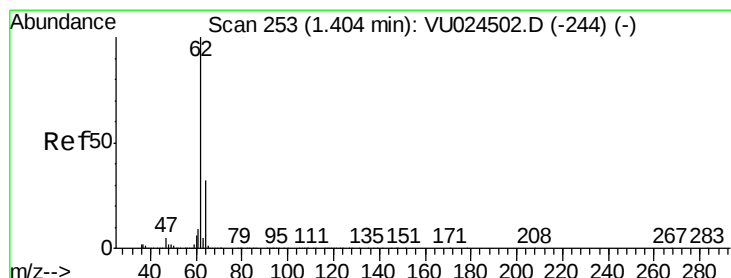
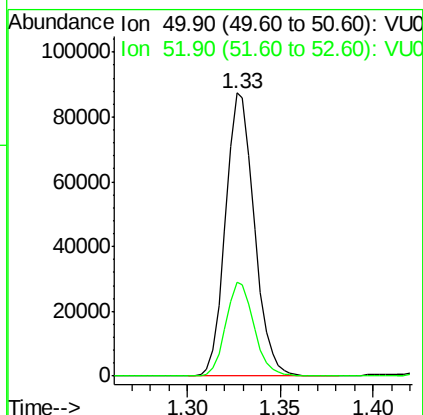
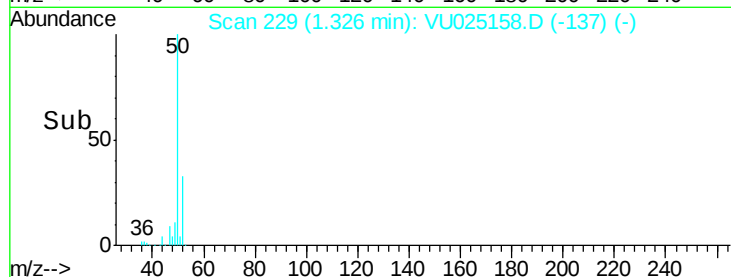
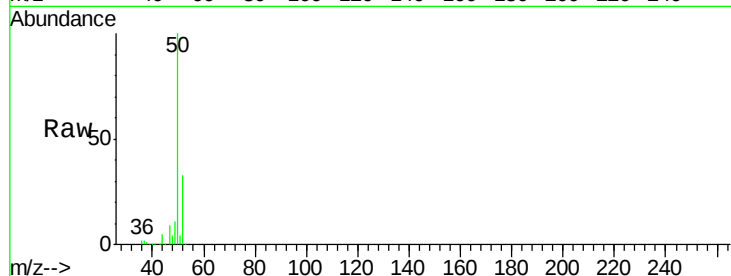
VSTDCCC050EC

Tot Ion: 50 Resp: 94242

Ion Ratio Lower Upper

50 100

52 33.1 26.4 39.6



#4

Vinyl Chloride

Concen: 46.186 ug/l

RT: 1.40 min Scan# 253

Delta R.T. 0.00 min

Lab File: VU025158.D

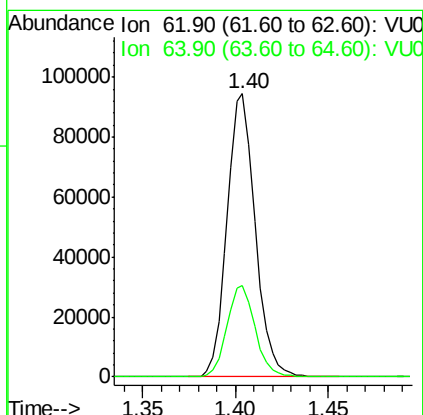
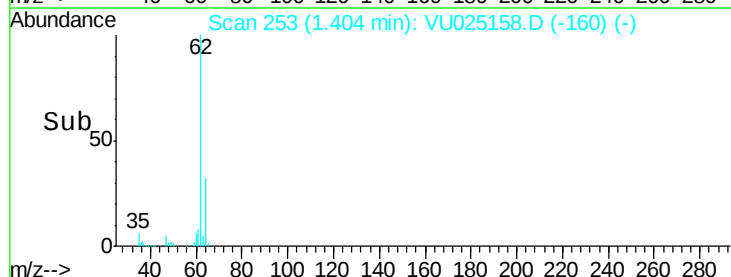
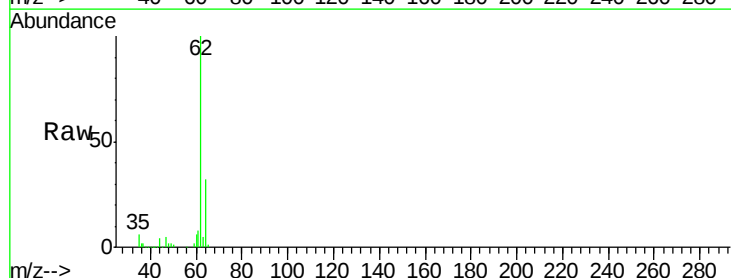
Acq: 02 Jul 2018 21:19

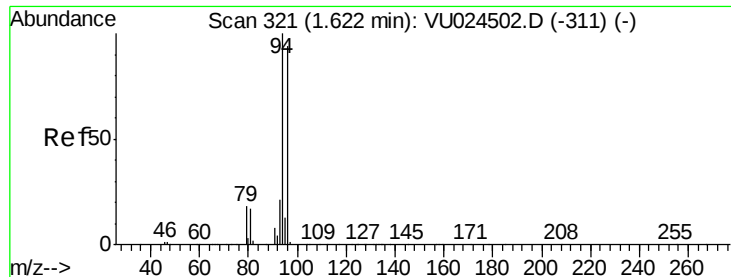
Tgt Ion: 62 Resp: 99559

Ion Ratio Lower Upper

62 100

64 32.1 24.8 37.2





#5

Bromomethane

Concen: 50.636 ug/l

RT: 1.61 min Scan# 317

Delta R.T. -0.01 min

Lab File: VU025158.D

Acq: 02 Jul 2018 21:19

Instrument :

MSVOA_U

ClientSampleId :

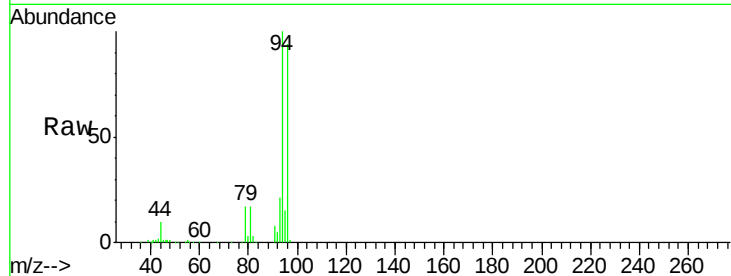
VSTDCCC050EC

Tot Ion: 94 Resp: 52765

Ion Ratio Lower Upper

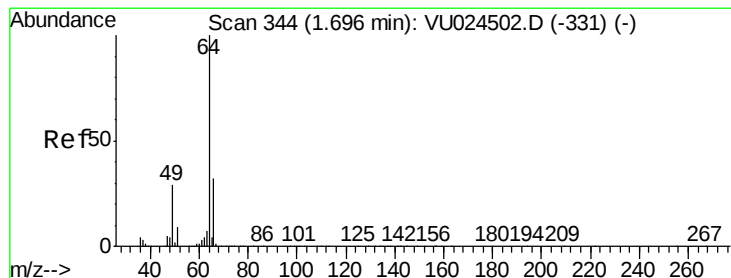
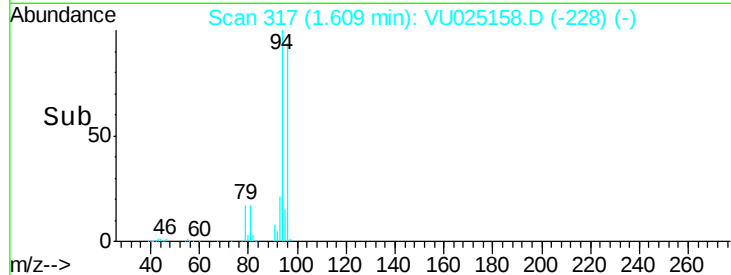
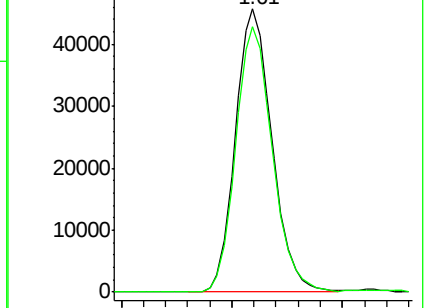
94 100

96 93.7 74.5 111.7



Abundance Ion 93.90 (93.60 to 94.60): VU0

Ion 95.90 (95.60 to 96.60): VU0



#6

Chloroethane

Concen: 54.864 ug/l

RT: 1.69 min Scan# 342

Delta R.T. -0.01 min

Lab File: VU025158.D

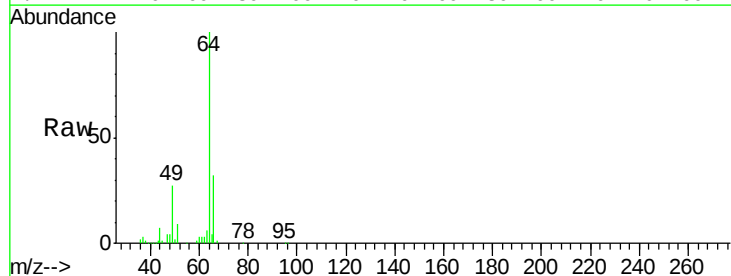
Acq: 02 Jul 2018 21:19

Tgt Ion: 64 Resp: 65962

Ion Ratio Lower Upper

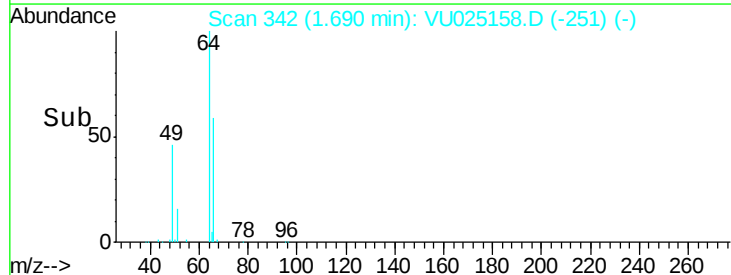
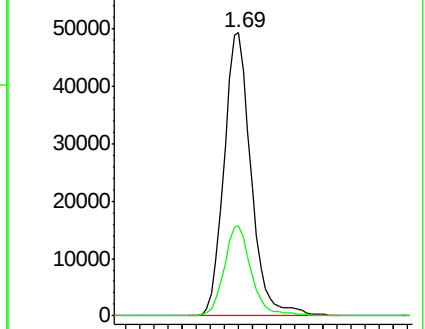
64 100

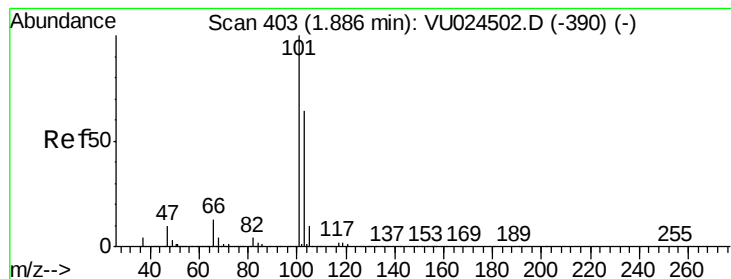
66 31.9 25.5 38.3



Abundance Ion 63.90 (63.60 to 64.60): VU0

Ion 65.90 (65.60 to 66.60): VU0



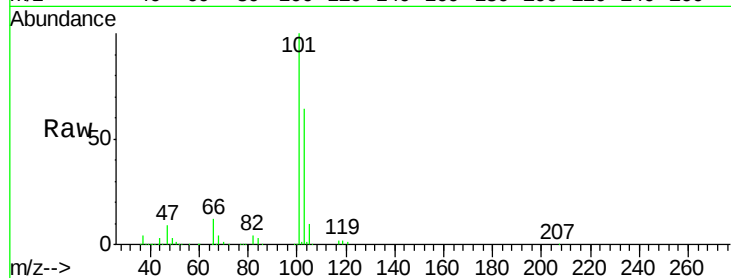


#7

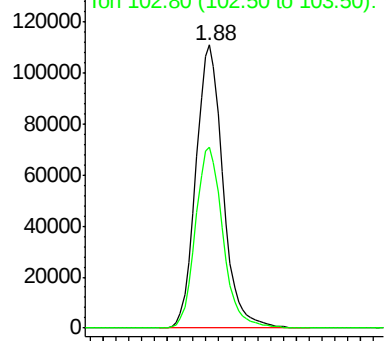
Trichlorofluoromethane
Concen: 49.152 ug/l
RT: 1.88 min Scan# 402
Delta R.T. -0.00 min
Lab File: VU025158.D
Acq: 02 Jul 2018 21:19

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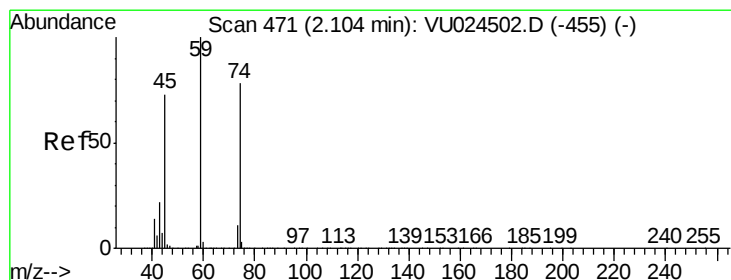
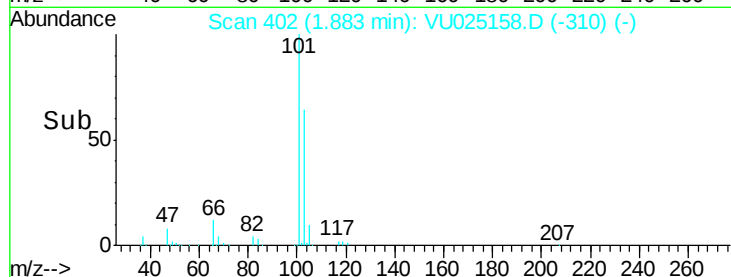
Tot Ion:101 Resp: 161694
Ion Ratio Lower Upper
101 100
103 64.1 52.3 78.5



Abundance Ion 100.90 (100.60 to 101.60): V
Ion 102.80 (102.50 to 103.50): V



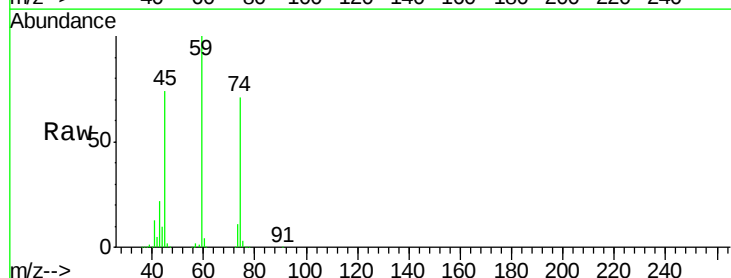
Time--> 1.80 1.85 1.90 1.95 2.00



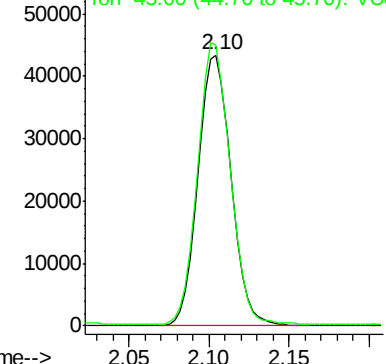
#8

Diethyl Ether
Concen: 54.734 ug/l
RT: 2.10 min Scan# 471
Delta R.T. 0.00 min
Lab File: VU025158.D
Acq: 02 Jul 2018 21:19

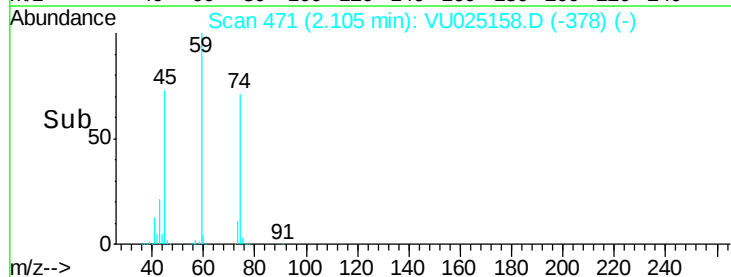
Tgt Ion: 74 Resp: 61076
Ion Ratio Lower Upper
74 100
45 102.6 55.0 165.0

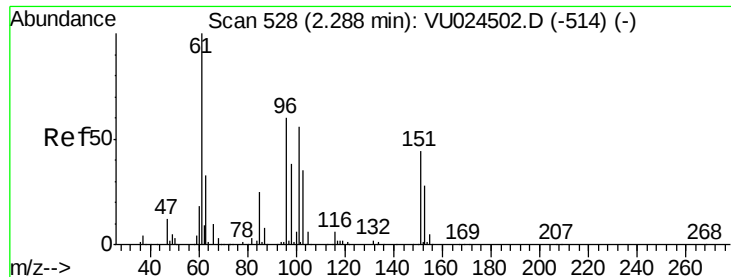


Abundance Ion 74.00 (73.70 to 74.70): VU0
Ion 45.00 (44.70 to 45.70): VU0



Time--> 2.05 2.10 2.15





#9

1,1,2-Trichlorotrifluoroethane

Concen: 47.595 ug/l

RT: 2.28 min Scan# 527

Delta R.T. -0.00 min

Lab File: VU025158.D

Acq: 02 Jul 2018 21:19

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

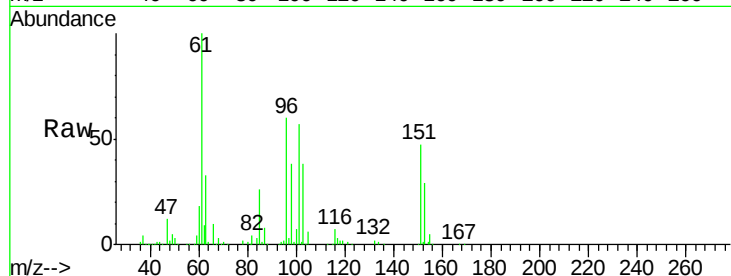
Tot Ion:101 Resp: 97135

Ion Ratio Lower Upper

101 100

85 45.6 36.0 54.0

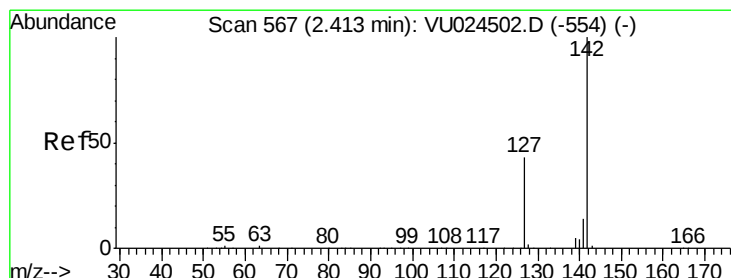
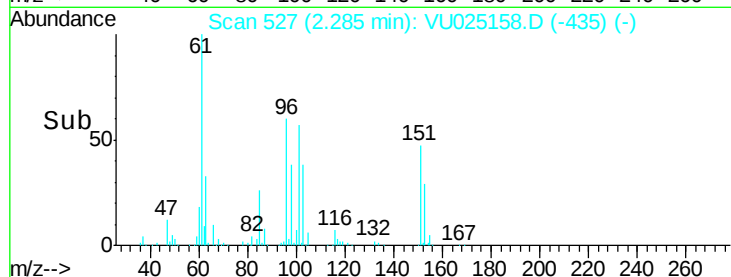
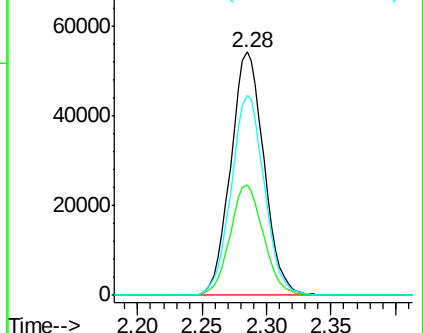
151 82.0 62.3 93.5



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: 63.249 ug/l

RT: 2.41 min Scan# 566

Delta R.T. -0.00 min

Lab File: VU025158.D

Acq: 02 Jul 2018 21:19

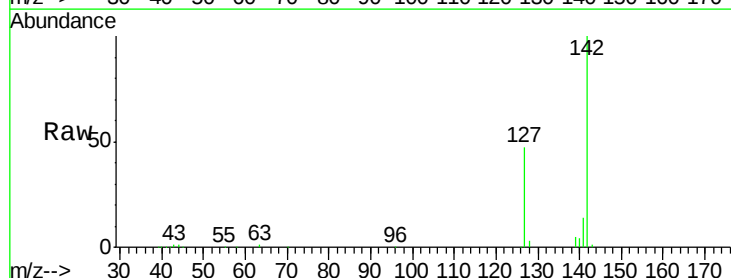
Tgt Ion:142 Resp: 111949

Ion Ratio Lower Upper

142 100

127 46.7 35.6 53.4

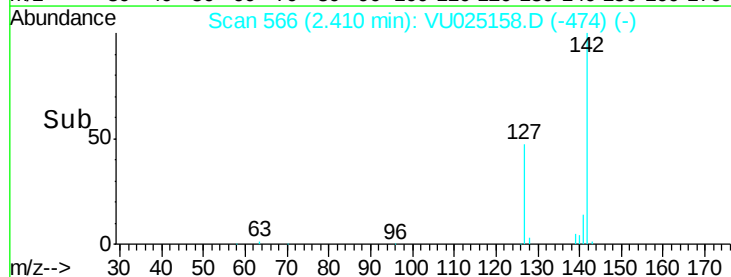
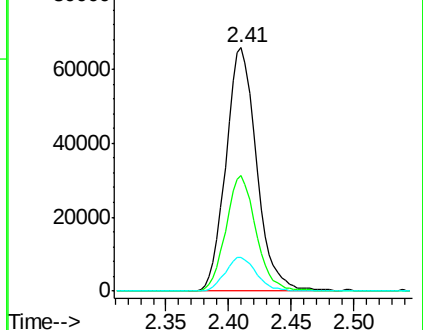
141 14.0 11.7 17.5

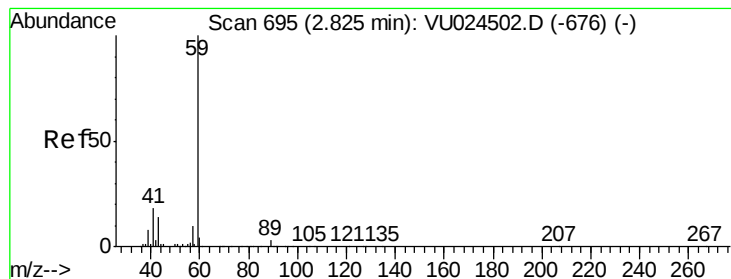


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



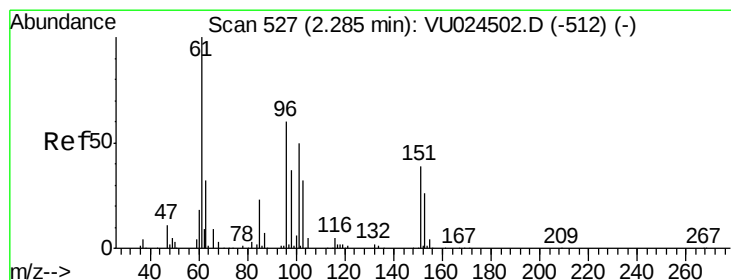
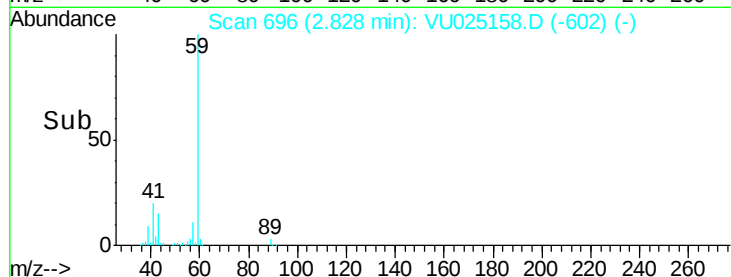
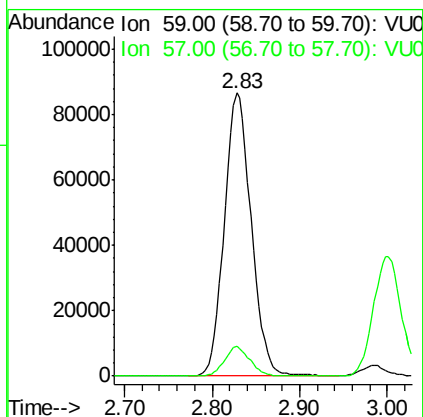
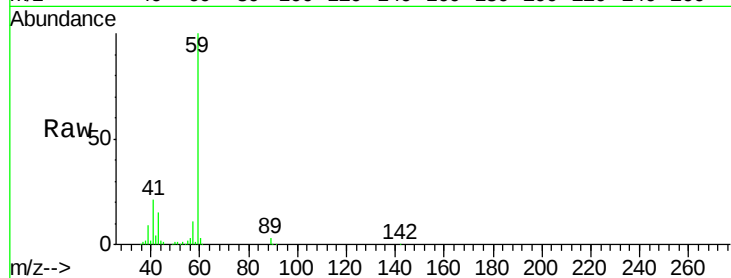


#11

Tert butyl alcohol
 Concen: 285.052 ug/l
 RT: 2.83 min Scan# 696
 Delta R.T. 0.00 min
 Lab File: VU025158.D
 Acq: 02 Jul 2018 21:19

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

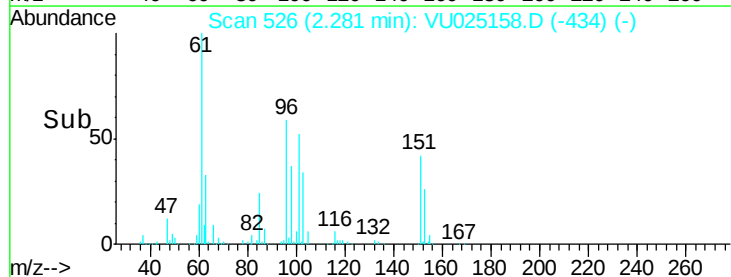
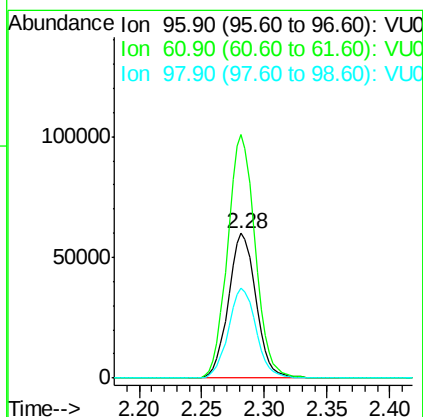
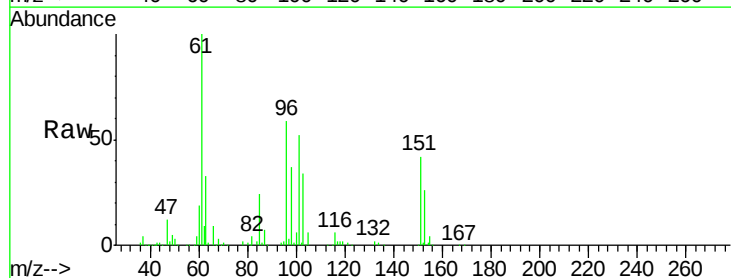
Tot Ion: 59 Resp: 184993
 Ion Ratio Lower Upper
 59 100
 57 9.8 8.5 12.7

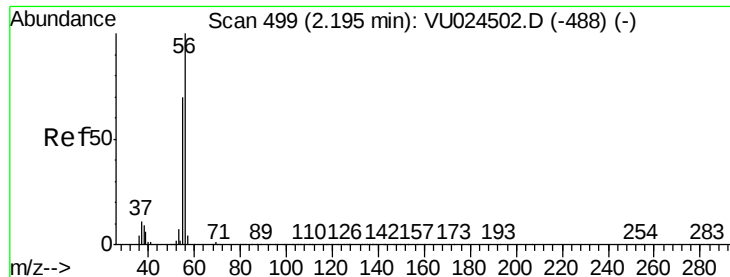


#12

1,1-Dichloroethene
 Concen: 49.336 ug/l
 RT: 2.28 min Scan# 526
 Delta R.T. -0.00 min
 Lab File: VU025158.D
 Acq: 02 Jul 2018 21:19

Tgt Ion: 96 Resp: 91823
 Ion Ratio Lower Upper
 96 100
 61 168.5 141.7 212.5
 98 62.1 51.6 77.4





#13

Acrolein

Concen: 168.717 ug/l

RT: 2.19 min Scan# 499

Delta R.T. 0.00 min

Lab File: VU025158.D

Acq: 02 Jul 2018 21:19

Instrument :

MSVOA_U

ClientSampleId :

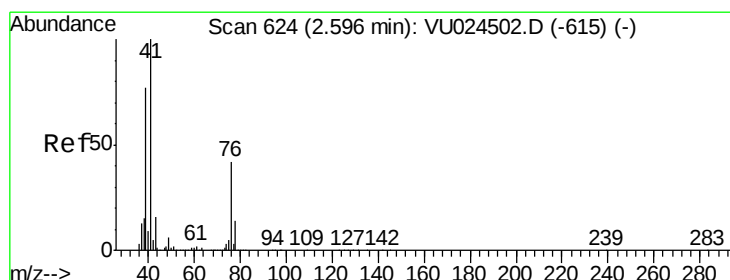
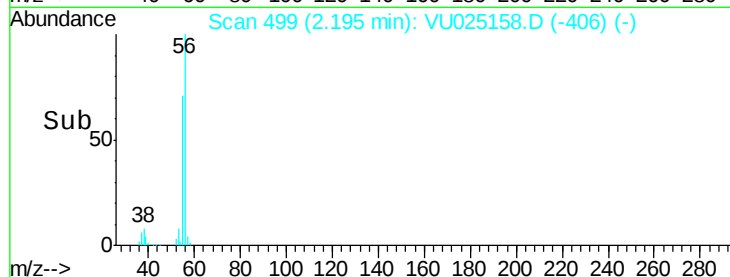
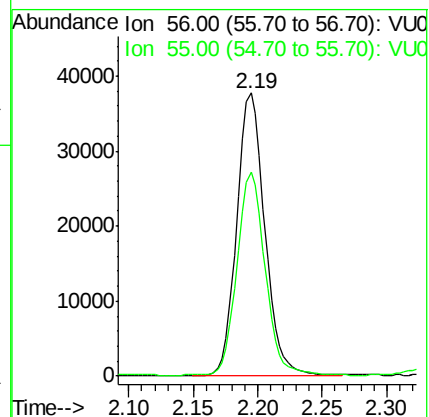
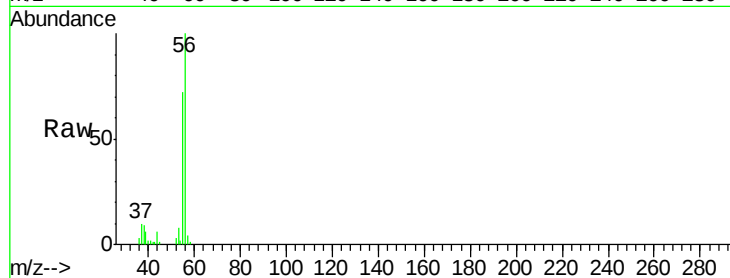
VSTDCCC050EC

Tot Ion: 56 Resp: 57498

Ion Ratio Lower Upper

56 100

55 71.7 58.4 87.6



#14

Allyl chloride

Concen: 45.335 ug/l

RT: 2.59 min Scan# 623

Delta R.T. -0.00 min

Lab File: VU025158.D

Acq: 02 Jul 2018 21:19

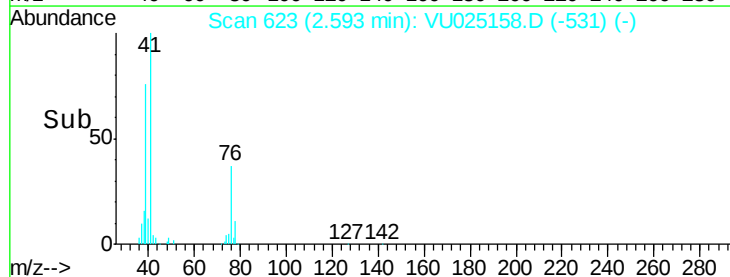
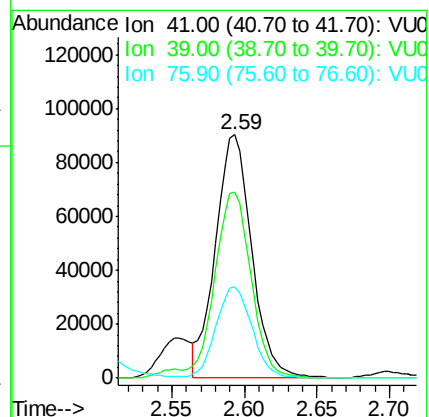
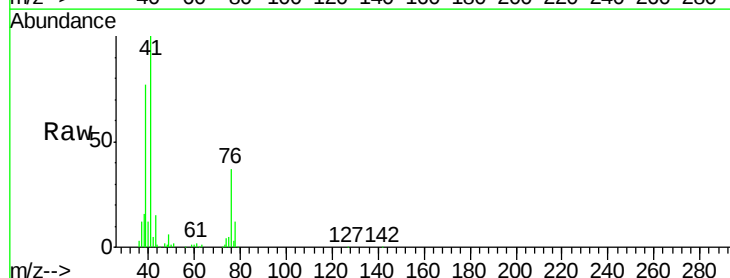
Tgt Ion: 41 Resp: 156664

Ion Ratio Lower Upper

41 100

39 75.6 61.6 92.4

76 37.4 29.7 44.5





#15

Acrylonitrile

Concen: 275.358 ug/l

RT: 2.93 min Scan# 729

Delta R.T. -0.00 min

Lab File: VU025158.D

Acq: 02 Jul 2018 21:19

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

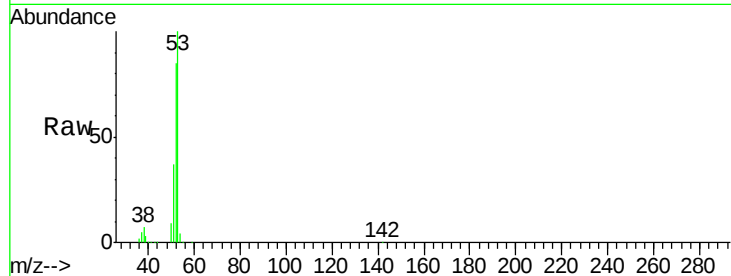
Tot Ion: 53 Resp: 347685

Ion Ratio Lower Upper

53 100

52 83.8 67.1 100.7

51 36.4 28.4 42.6



Abundance Ion 53.00 (52.70 to 53.70): VU024502.D (-714) (-)

Ion 52.00 (51.70 to 52.70): VU024502.D (-714) (-)

Ion 51.00 (50.70 to 51.70): VU024502.D (-714) (-)

2.93

200000

150000

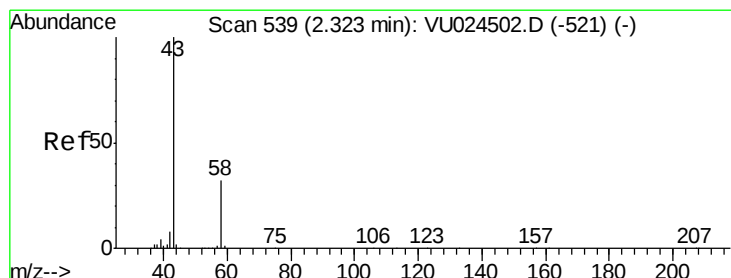
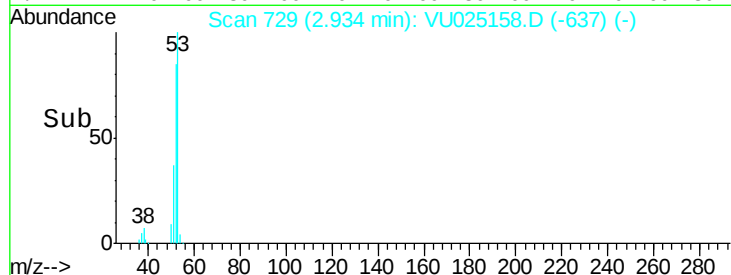
100000

50000

0

2.90 3.00 3.10

Time-->



#16

Acetone

Concen: 243.353 ug/l

RT: 2.32 min Scan# 539

Delta R.T. 0.00 min

Lab File: VU025158.D

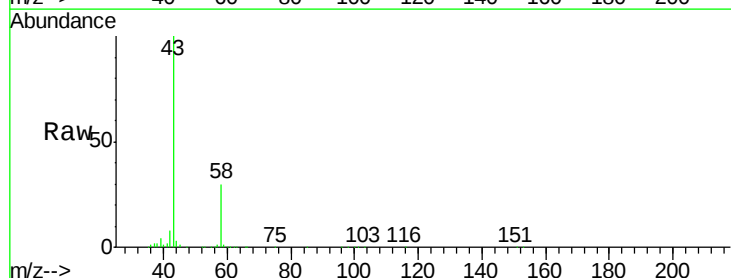
Acq: 02 Jul 2018 21:19

Tgt Ion: 43 Resp: 348903

Ion Ratio Lower Upper

43 100

58 29.8 24.4 36.6



Abundance Ion 43.00 (42.70 to 43.70): VU024502.D (-521) (-)

Ion 58.00 (57.70 to 58.70): VU024502.D (-521) (-)

2.32

250000

200000

150000

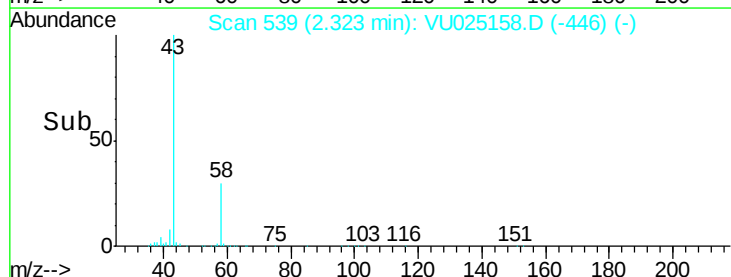
100000

50000

0

2.20 2.30 2.40

Time-->

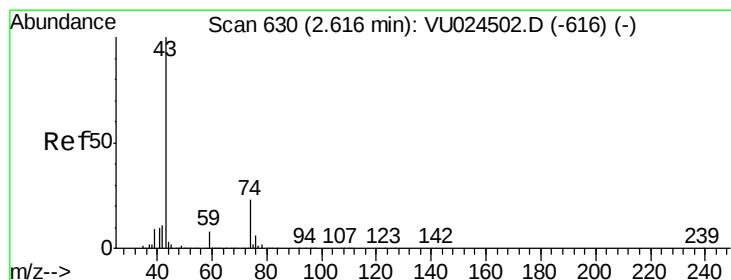
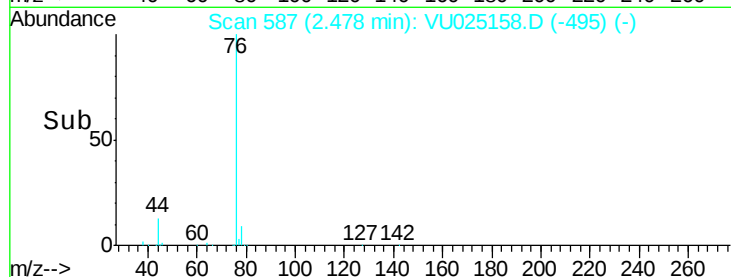
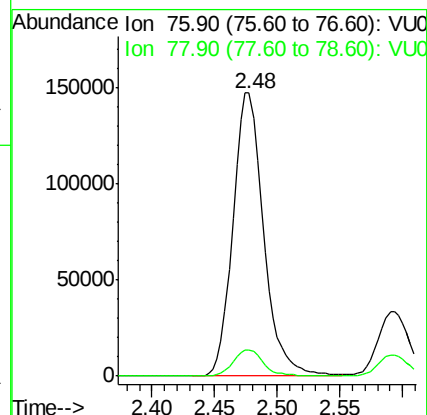
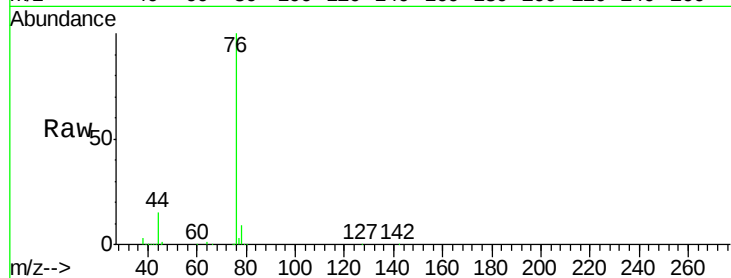




#17
Carbon Disulfide
Concen: 42.019 ug/l
RT: 2.48 min Scan# 587
Delta R.T. -0.00 min
Lab File: VU025158.D
Acq: 02 Jul 2018 21:19

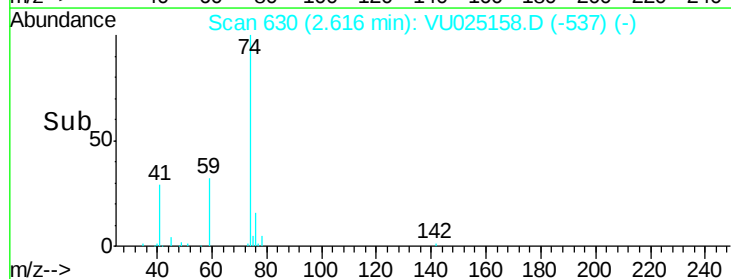
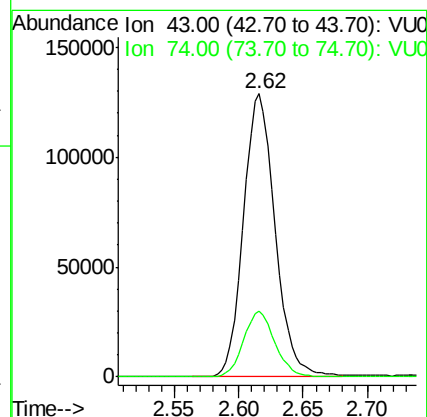
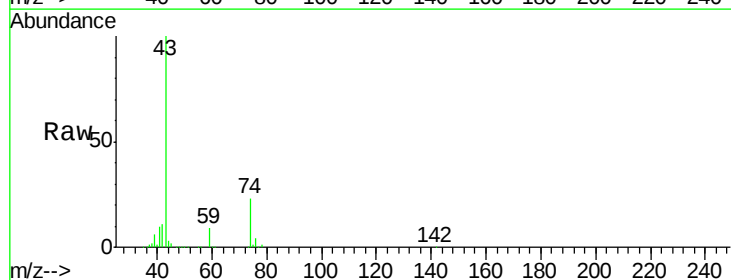
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion: 76 Resp: 250409
Ion Ratio Lower Upper
76 100
78 9.4 7.1 10.7



#18
Methyl Acetate
Concen: 71.376 ug/l
RT: 2.62 min Scan# 630
Delta R.T. 0.00 min
Lab File: VU025158.D
Acq: 02 Jul 2018 21:19

Tgt Ion: 43 Resp: 219383
Ion Ratio Lower Upper
43 100
74 23.2 18.0 27.0

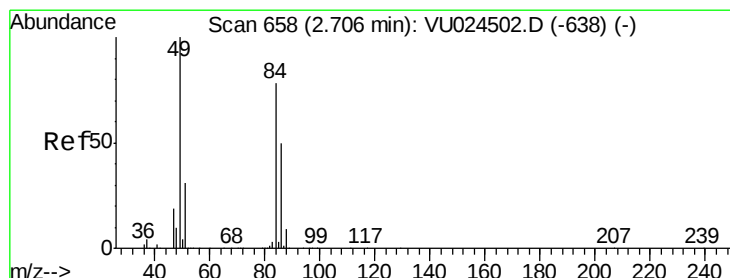
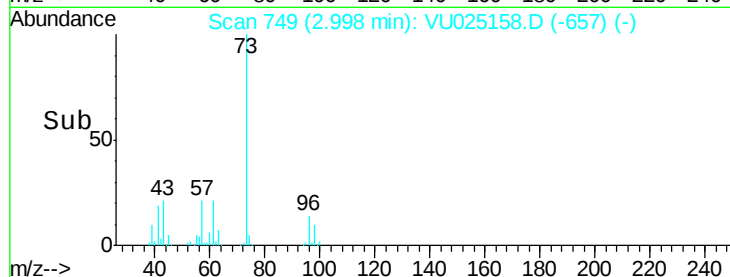
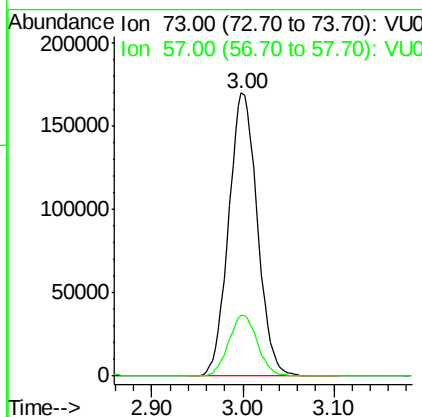
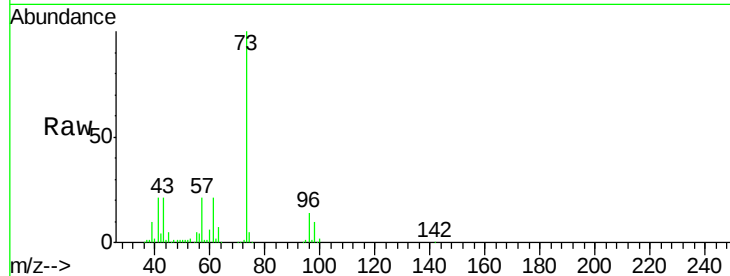




#19
Methvl tert-butvl Ether
Concen: 53.166 ug/l
RT: 3.00 min Scan# 749
Delta R.T. -0.00 min
Lab File: VU025158.D
Acq: 02 Jul 2018 21:19

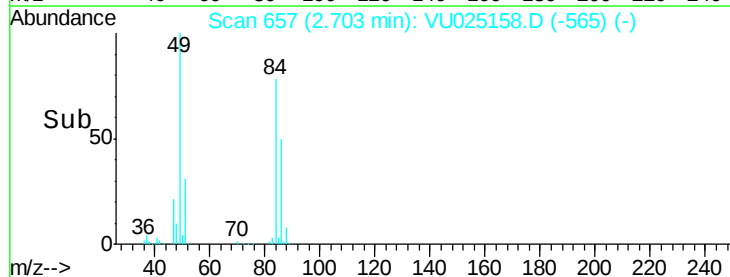
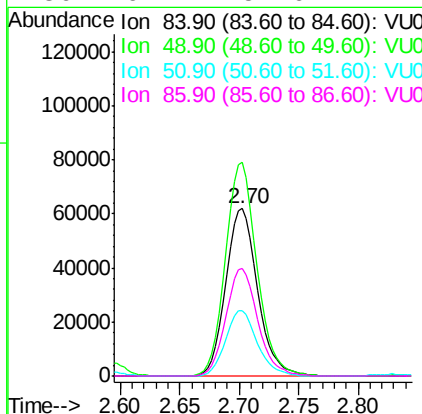
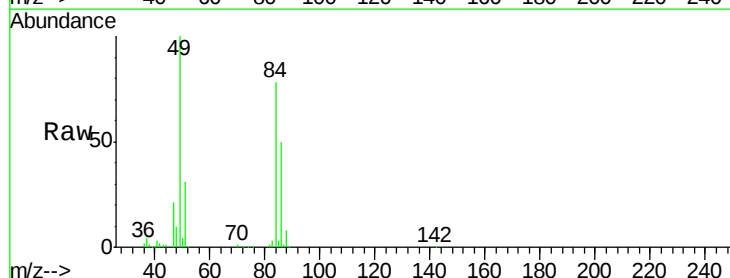
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion: 73 Resp: 371950
Ion Ratio Lower Upper
73 100
57 21.4 18.8 28.2



#20
Methylene Chloride
Concen: 51.089 ug/l
RT: 2.70 min Scan# 657
Delta R.T. -0.00 min
Lab File: VU025158.D
Acq: 02 Jul 2018 21:19

Tgt Ion: 84 Resp: 114932
Ion Ratio Lower Upper
84 100
49 127.6 103.8 155.8
51 39.4 32.0 48.0
86 64.1 51.6 77.4





#21

trans-1,2-Dichloroethene

Concen: 49.635 ug/l

RT: 2.98 min Scan# 744

Delta R.T. -0.00 min

Lab File: VU025158.D

Acq: 02 Jul 2018 21:19

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

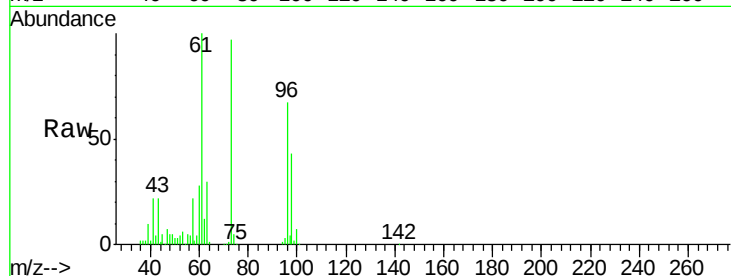
Tot Ion: 96 Resp: 101746

Ion Ratio Lower Upper

96 100

61 148.6 119.4 179.0

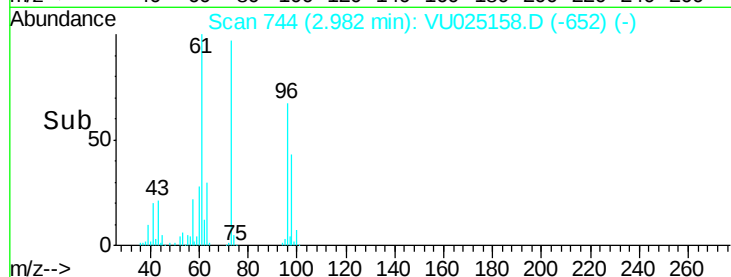
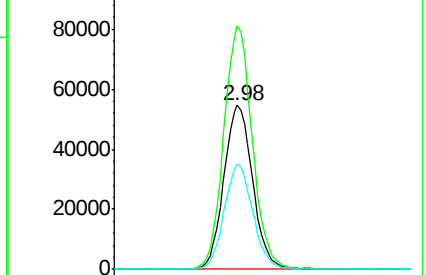
98 64.5 51.1 76.7



Abundance Ion 95.90 (95.60 to 96.60): VU025158.D (-652) (-)

Ion 60.90 (60.60 to 61.60): VU025158.D (-652) (-)

Ion 97.90 (97.60 to 98.60): VU025158.D (-652) (-)



#22

Diisopropyl ether

Concen: 52.317 ug/l

RT: 3.57 min Scan# 928

Delta R.T. 0.00 min

Lab File: VU025158.D

Acq: 02 Jul 2018 21:19

Tgt Ion: 45 Resp: 358389

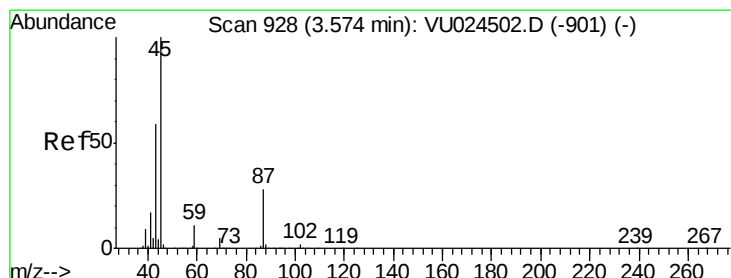
Ion Ratio Lower Upper

45 100

43 58.7 45.8 68.6

87 28.1 20.6 31.0

59 11.4 9.4 14.0

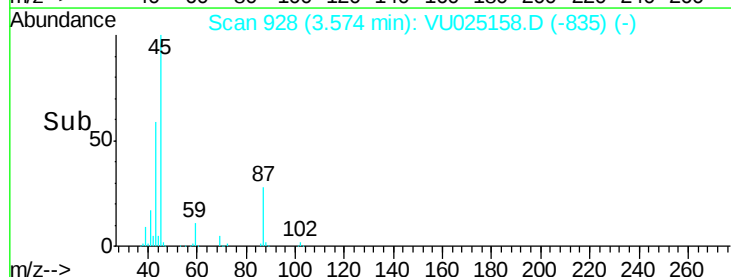
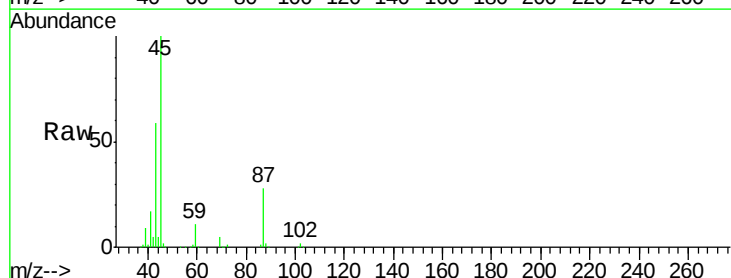
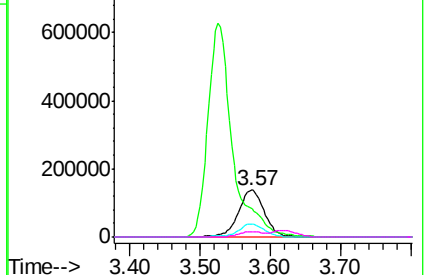


Abundance Ion 45.00 (44.70 to 45.70): VU025158.D (-835) (-)

Ion 43.00 (42.70 to 43.70): VU025158.D (-835) (-)

Ion 87.00 (86.70 to 87.70): VU025158.D (-835) (-)

Ion 59.00 (58.70 to 59.70): VU025158.D (-835) (-)

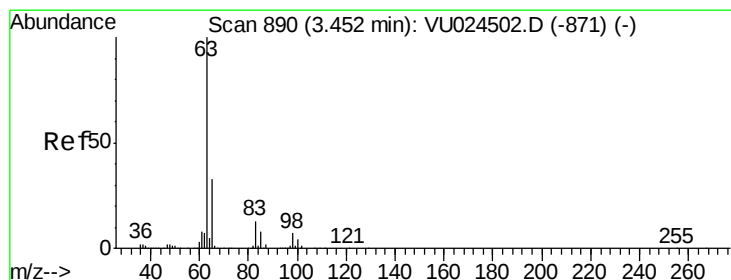
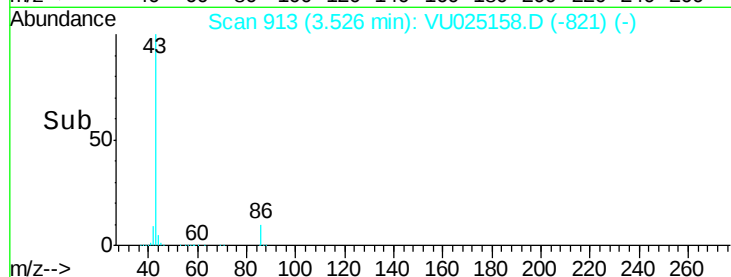
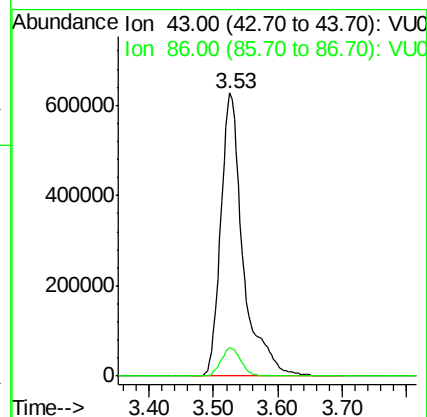
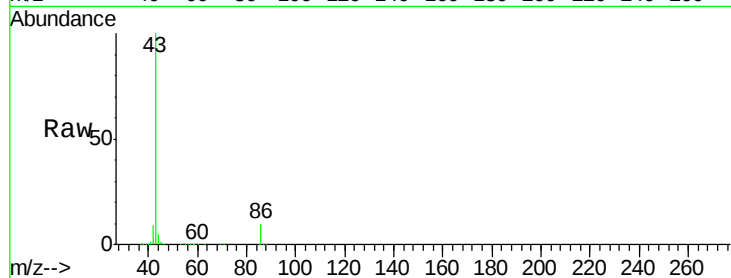




#23
 Vinyl Acetate
 Concen: 246.861 ug/l
 RT: 3.53 min Scan# 913
 Delta R.T. -0.00 min
 Lab File: VU025158.D
 Acq: 02 Jul 2018 21:19

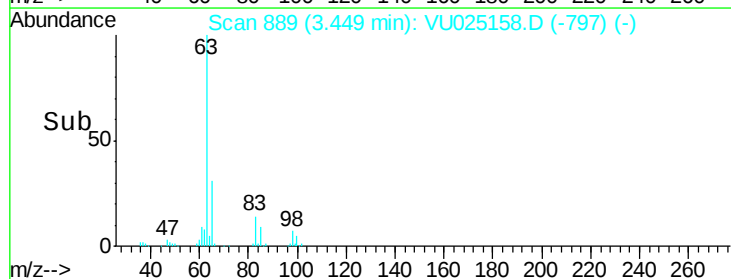
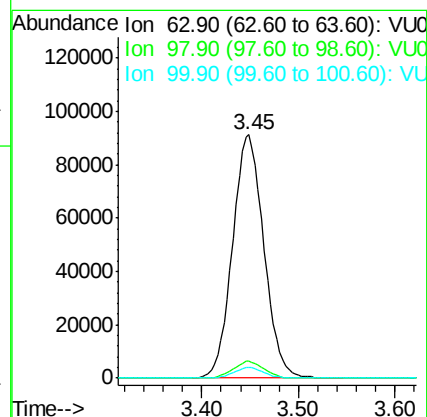
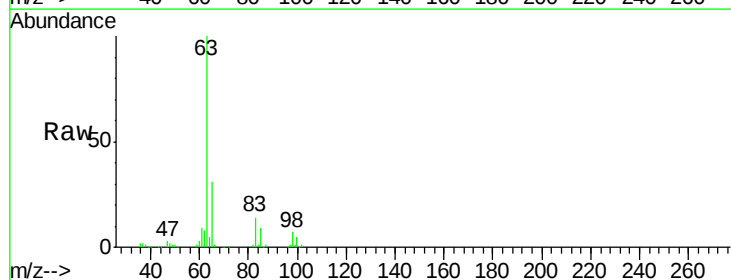
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 43 Resp: 1514855
 Ion Ratio Lower Upper
 43 100
 86 10.0 7.8 11.8



#24
 1,1-Dichloroethane
 Concen: 51.958 ug/l
 RT: 3.45 min Scan# 889
 Delta R.T. -0.00 min
 Lab File: VU025158.D
 Acq: 02 Jul 2018 21:19

Tgt Ion: 63 Resp: 204757
 Ion Ratio Lower Upper
 63 100
 98 6.9 3.5 10.4
 100 4.6 1.8 5.5

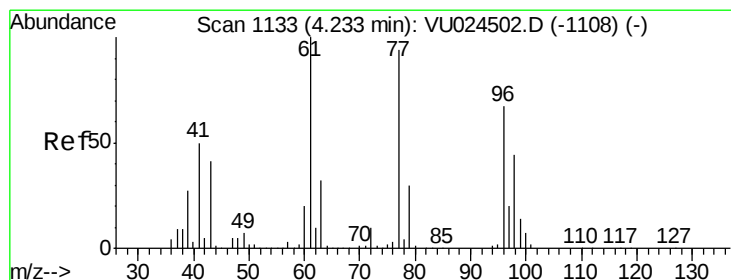
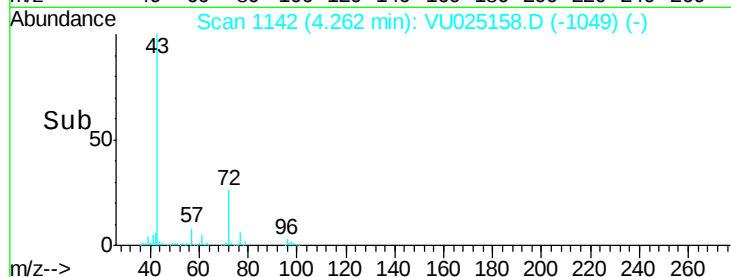
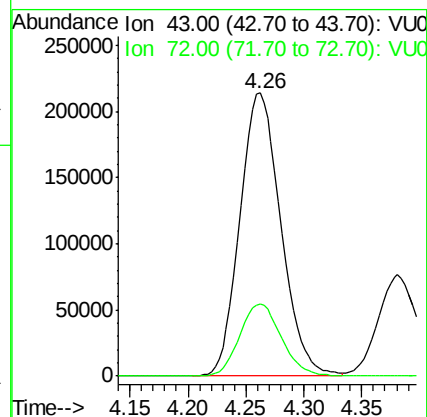
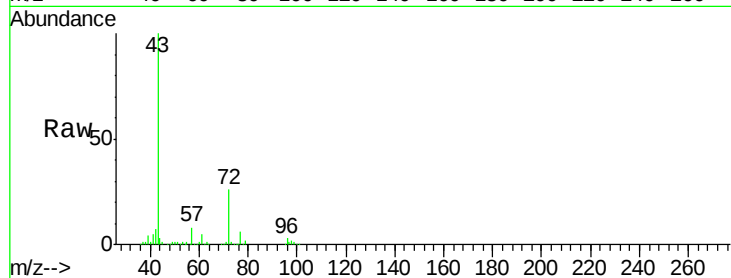




#25
2-Butanone
Concen: 272.001 ug/l
RT: 4.26 min Scan# 1142
Delta R.T. 0.00 min
Lab File: VU025158.D
Acq: 02 Jul 2018 21:19

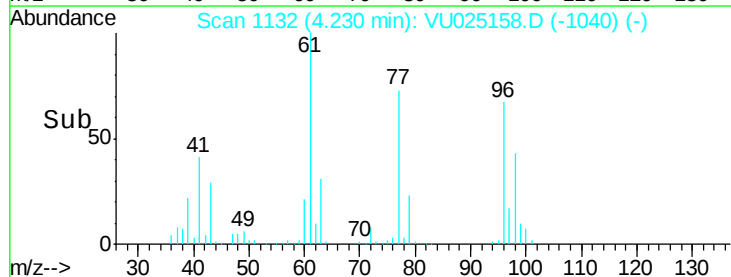
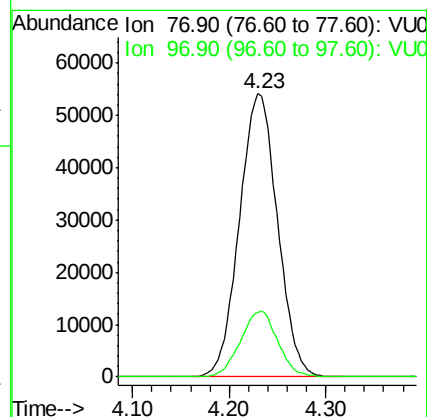
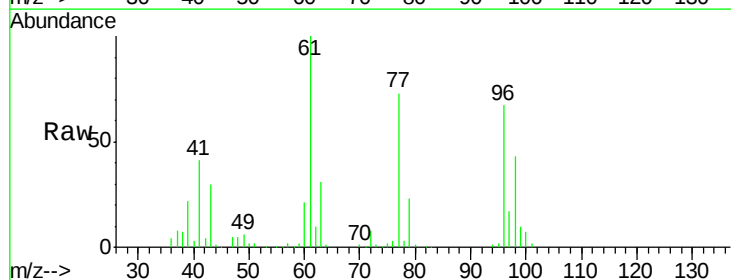
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 523827
Ion Ratio Lower Upper
43 100
72 25.4 19.6 29.4



#26
2,2-Dichloropropane
Concen: 39.541 ug/l
RT: 4.23 min Scan# 1132
Delta R.T. -0.00 min
Lab File: VU025158.D
Acq: 02 Jul 2018 21:19

Tgt Ion: 77 Resp: 147963
Ion Ratio Lower Upper
77 100
97 22.7 11.3 33.8





#27

cis-1,2-Dichloroethene

Concen: 51.634 ug/l

RT: 4.23 min Scan# 1132

Delta R.T. -0.00 min

Lab File: VU025158.D

Acq: 02 Jul 2018 21:19

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

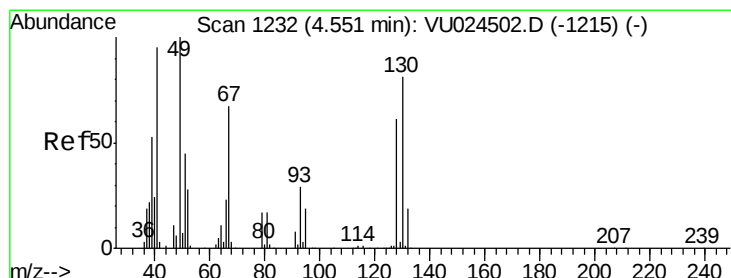
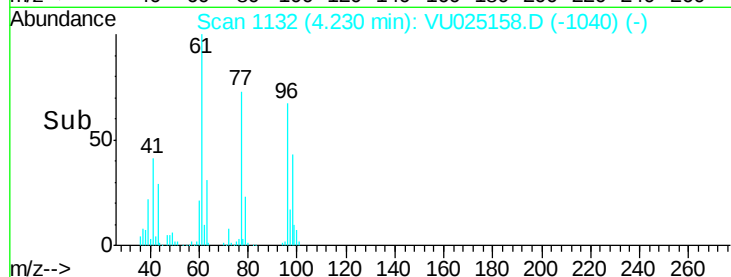
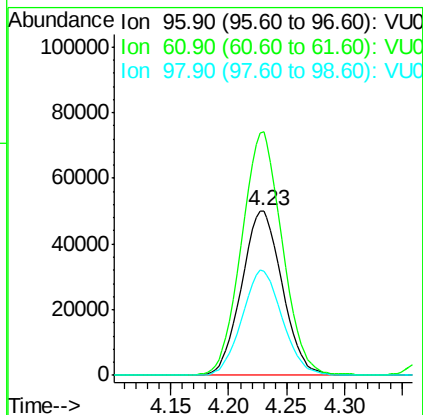
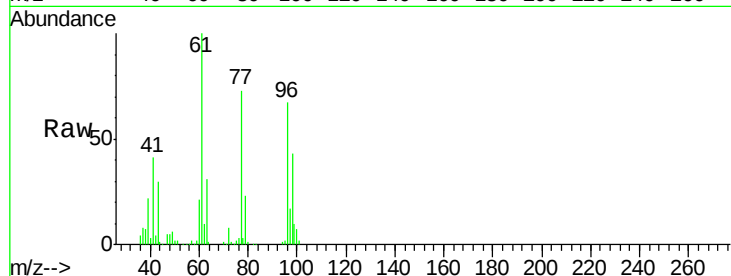
Tot Ion: 96 Resp: 121683

Ion Ratio Lower Upper

96 100

61 149.0 0.0 306.6

98 63.6 0.0 128.8



#28

Bromochloromethane

Concen: 41.670 ug/l

RT: 4.55 min Scan# 1232

Delta R.T. 0.00 min

Lab File: VU025158.D

Acq: 02 Jul 2018 21:19

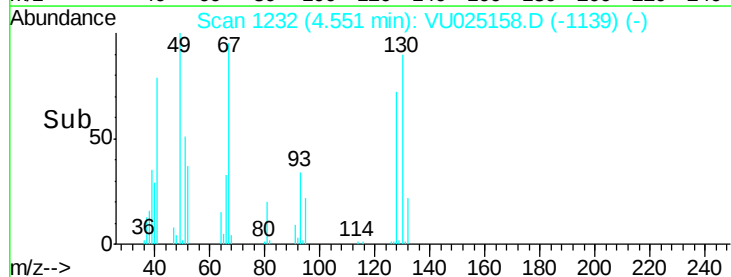
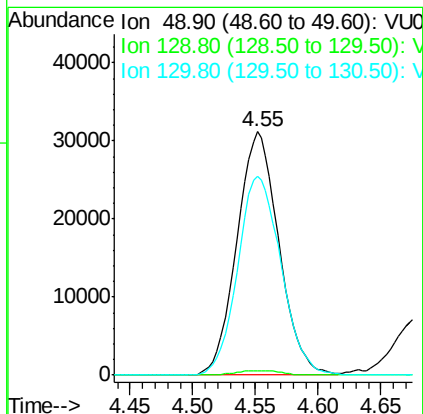
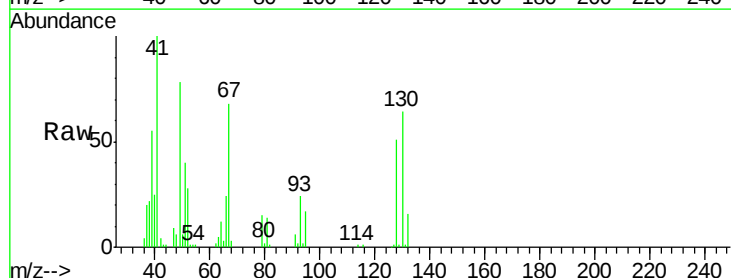
Tgt Ion: 49 Resp: 72330

Ion Ratio Lower Upper

49 100

129 1.9 0.0 3.8

130 84.3 57.8 86.6





#29

Tetrahydrofuran

Concen: 274.928 ug/l

RT: 4.64 min Scan# 1258

Delta R.T. -0.00 min

Lab File: VU025158.D

Acq: 02 Jul 2018 21:19

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

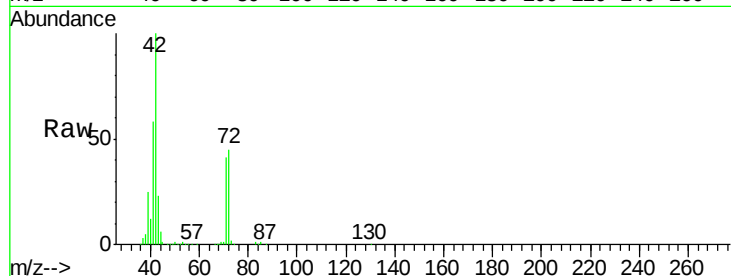
Tot Ion: 42 Resp: 327879

Ion Ratio Lower Upper

42 100

72 44.6 34.5 51.7

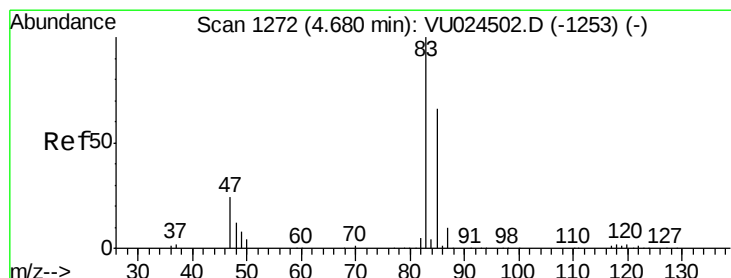
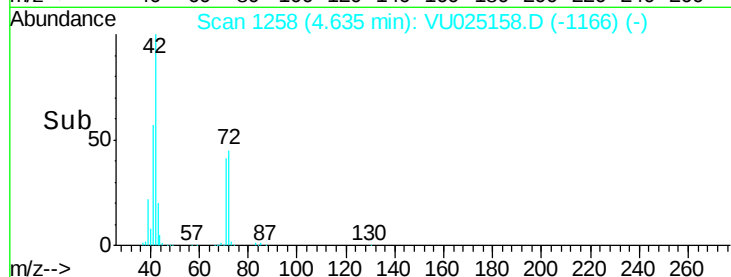
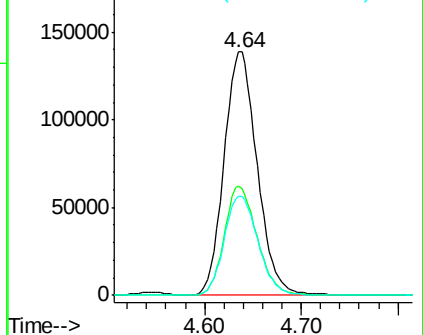
71 41.9 32.2 48.4



Abundance Ion 42.00 (41.70 to 42.70): VU024502.D (-1241) (-)

Ion 72.00 (71.70 to 72.70): VU024502.D (-1241) (-)

Ion 71.00 (70.70 to 71.70): VU024502.D (-1241) (-)



#30

Chloroform

Concen: 53.323 ug/l

RT: 4.68 min Scan# 1271

Delta R.T. -0.00 min

Lab File: VU025158.D

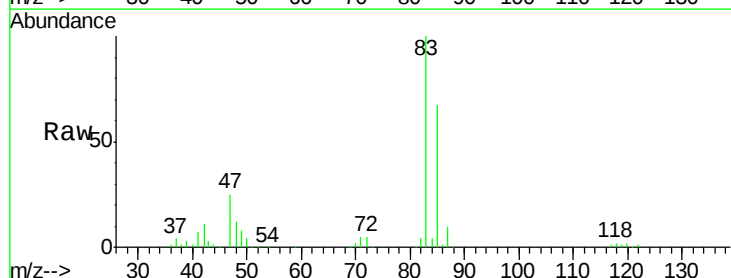
Acq: 02 Jul 2018 21:19

Tgt Ion: 83 Resp: 212693

Ion Ratio Lower Upper

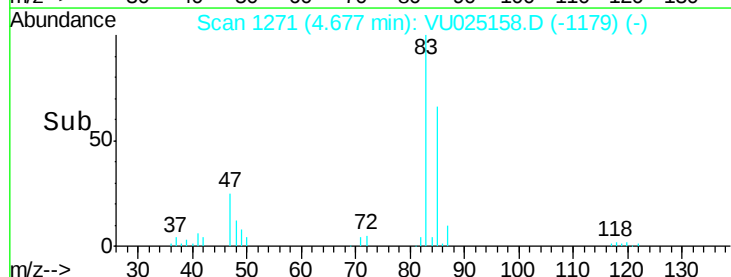
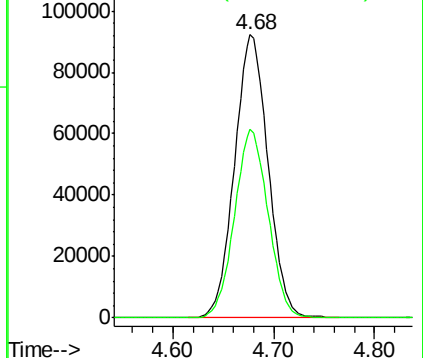
83 100

85 66.5 52.4 78.6



Abundance Ion 82.90 (82.60 to 83.60): VU024502.D (-1253) (-)

Ion 84.90 (84.60 to 85.60): VU024502.D (-1253) (-)

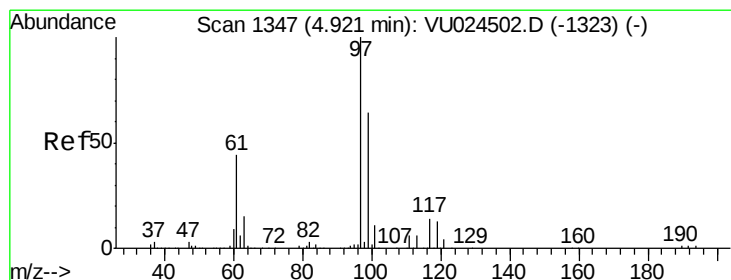
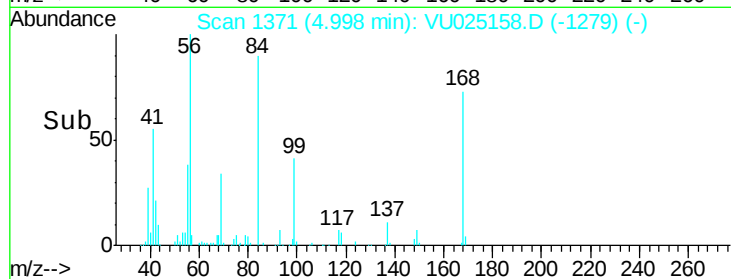
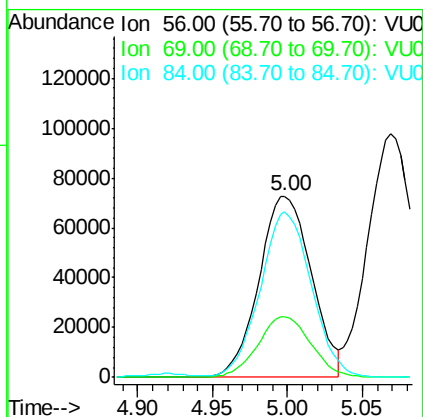
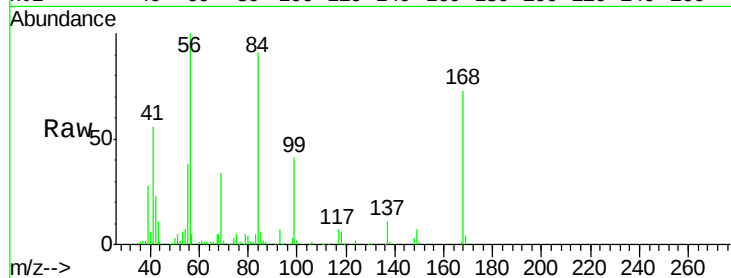




#31
Cyclohexane
Concen: 50.547 ug/l
RT: 5.00 min Scan# 1371
Delta R.T. -0.00 min
Lab File: VU025158.D
Acq: 02 Jul 2018 21:19

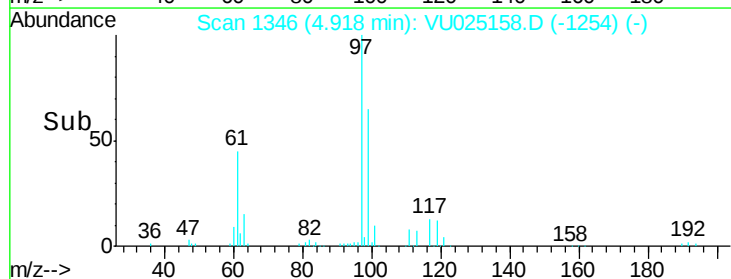
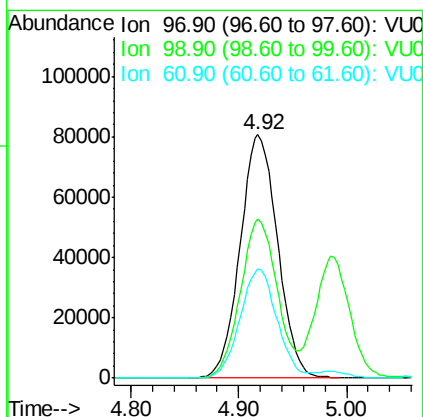
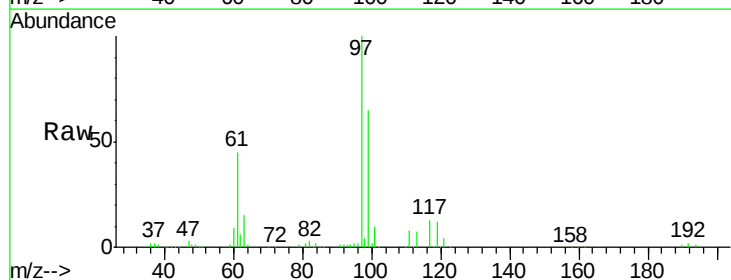
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion: 56 Resp: 176817
Ion Ratio Lower Upper
56 100
69 33.6 24.8 37.2
84 89.8 65.2 97.8



#32
1,1,1-Trichloroethane
Concen: 52.918 ug/l
RT: 4.92 min Scan# 1346
Delta R.T. -0.00 min
Lab File: VU025158.D
Acq: 02 Jul 2018 21:19

Tgt Ion: 97 Resp: 195189
Ion Ratio Lower Upper
97 100
99 64.1 51.0 76.6
61 44.3 39.4 59.0

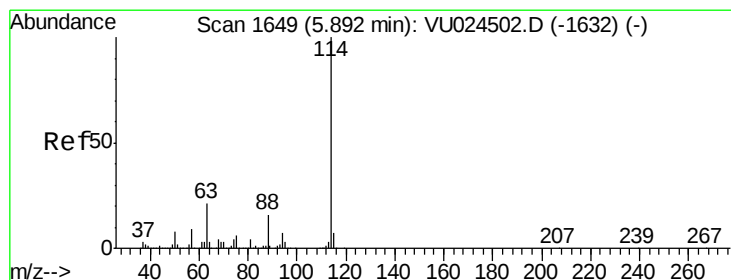
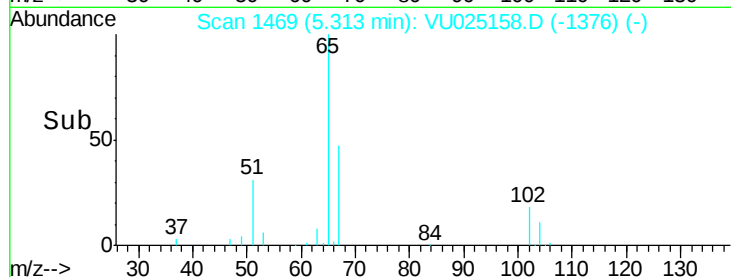
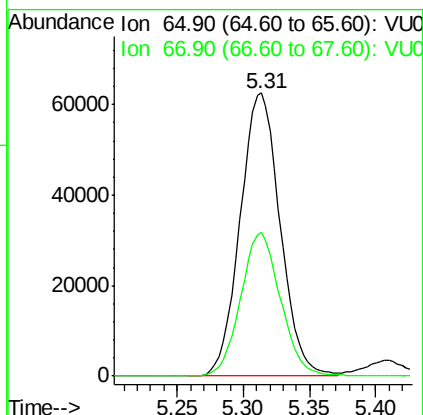
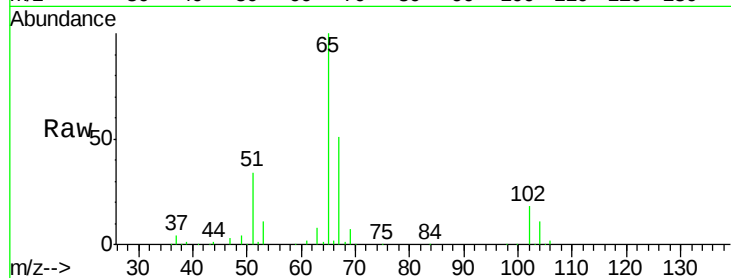




#33
 1,2-Dichloroethane-d4
 Concen: 49.219 ug/l
 RT: 5.31 min Scan# 1469
 Delta R.T. 0.00 min
 Lab File: VU025158.D
 Acq: 02 Jul 2018 21:19

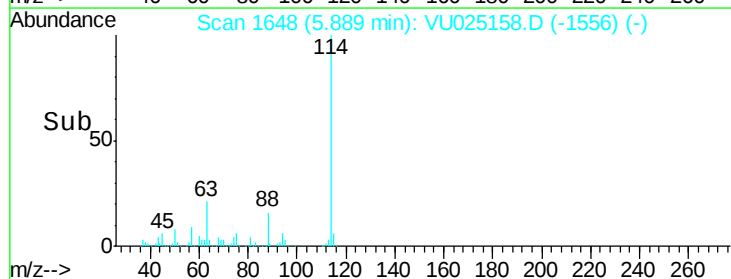
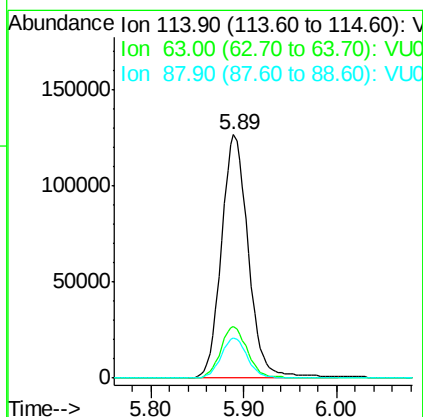
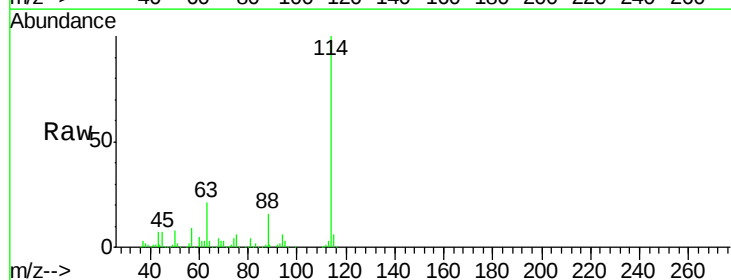
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 65 Resp: 131336
 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: VU025158.D
 Acq: 02 Jul 2018 21:19

Tgt Ion: 114 Resp: 254852
 Ion Ratio Lower Upper
 114 100
 63 21.0 0.0 45.4
 88 16.4 0.0 31.0

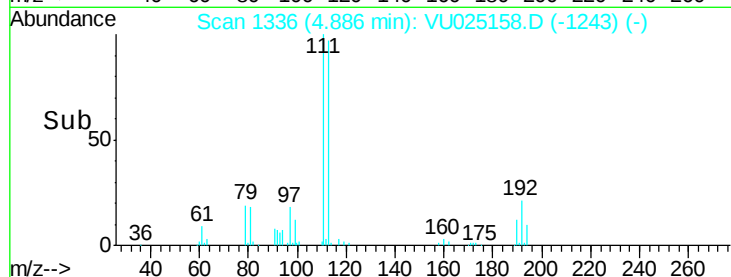
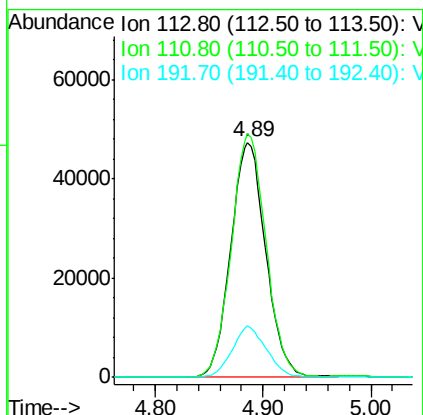
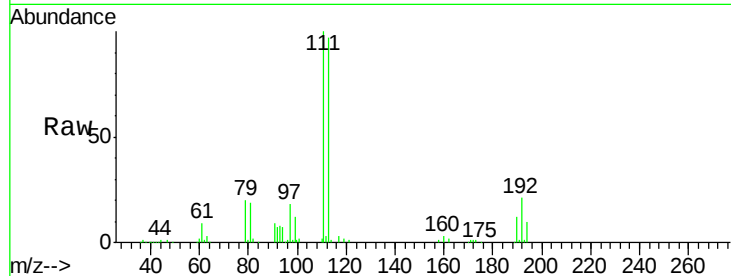




#35
 Dibromofluoromethane
 Concen: 50.662 ug/l
 RT: 4.89 min Scan# 1336
 Delta R.T. 0.00 min
 Lab File: VU025158.D
 Acq: 02 Jul 2018 21:19

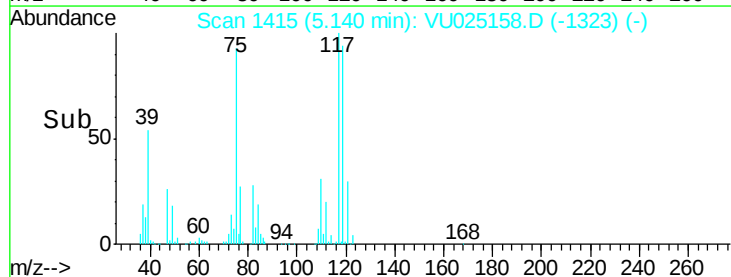
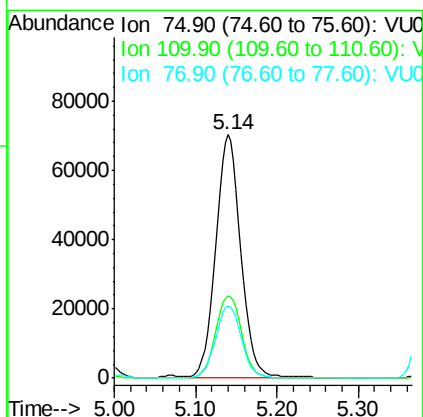
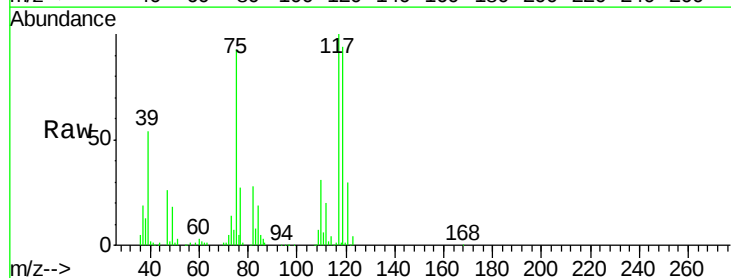
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

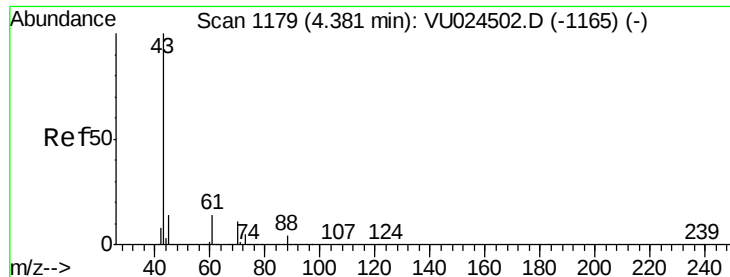
Tot Ion:113 Resp: 107153
 Ion Ratio Lower Upper
 113 100
 111 102.8 82.2 123.4
 192 21.3 16.2 24.4



#36
 1,1-Dichloropropene
 Concen: 50.707 ug/l
 RT: 5.14 min Scan# 1415
 Delta R.T. -0.00 min
 Lab File: VU025158.D
 Acq: 02 Jul 2018 21:19

Tgt Ion: 75 Resp: 151853
 Ion Ratio Lower Upper
 75 100
 110 35.3 17.0 50.9
 77 30.5 24.2 36.4

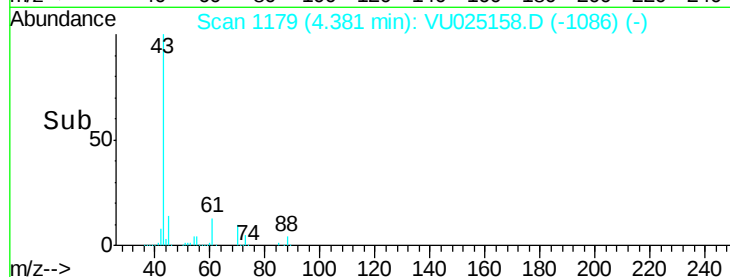
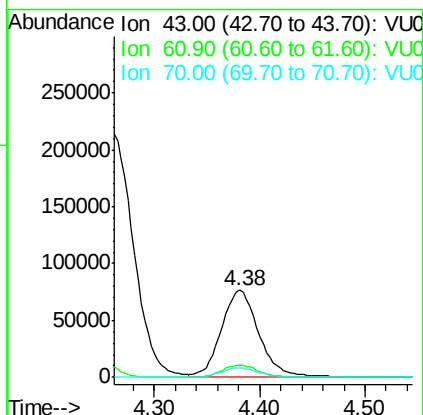
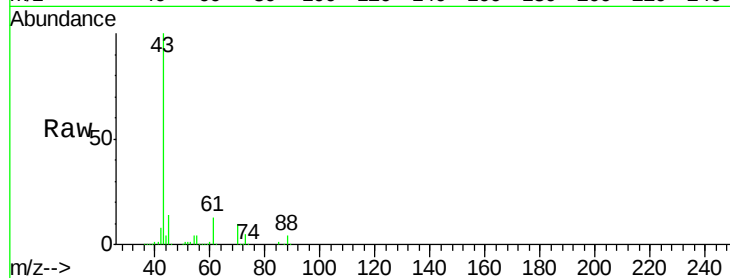




#37
Ethyl Acetate
Concen: 56.399 ug/l
RT: 4.38 min Scan# 1179
Delta R.T. 0.00 min
Lab File: VU025158.D
Acq: 02 Jul 2018 21:19

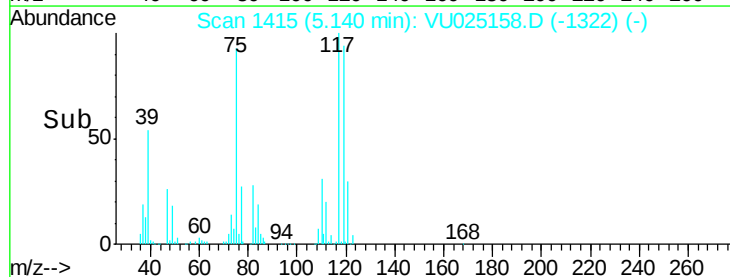
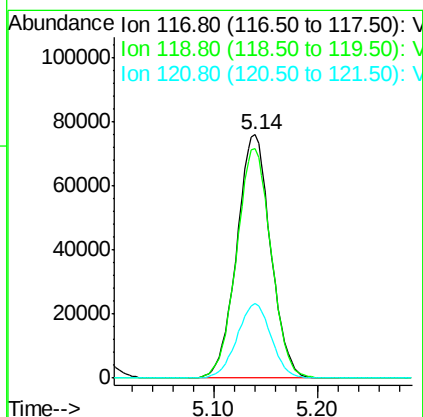
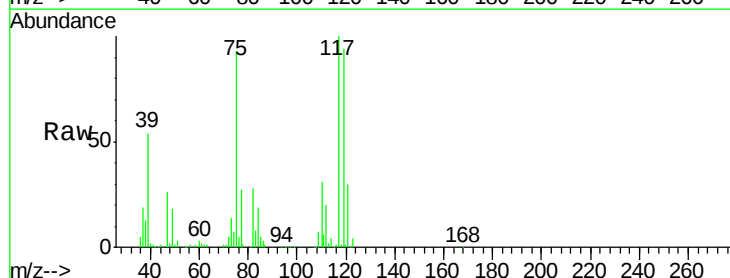
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.5	10.5	15.7
70	10.9	7.4	11.2



#38
Carbon Tetrachloride
Concen: 52.735 ug/l
RT: 5.14 min Scan# 1415
Delta R.T. 0.00 min
Lab File: VU025158.D
Acq: 02 Jul 2018 21:19

Tgt Ion	Ratio	Lower	Upper
117	100		
119	94.5	76.1	114.1
121	30.5	23.7	35.5

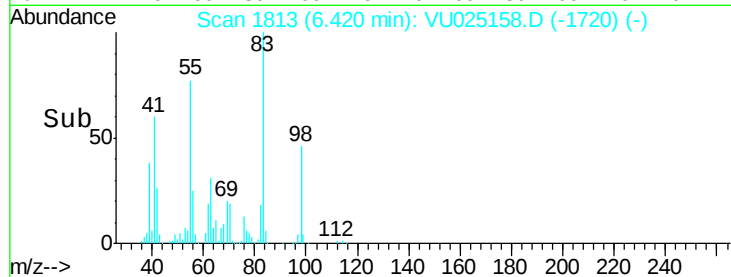
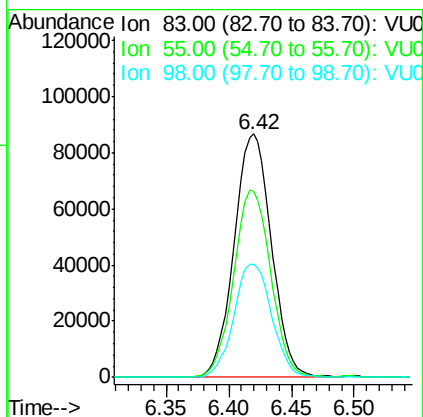
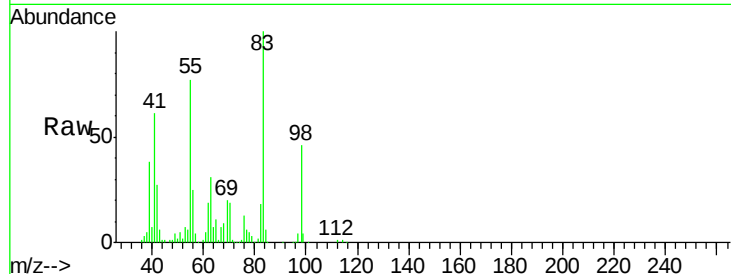




#39
Methvlcvclohexane
Concen: 48.027 ug/l
RT: 6.42 min Scan# 1813
Delta R.T. 0.00 min
Lab File: VU025158.D
Acq: 02 Jul 2018 21:19

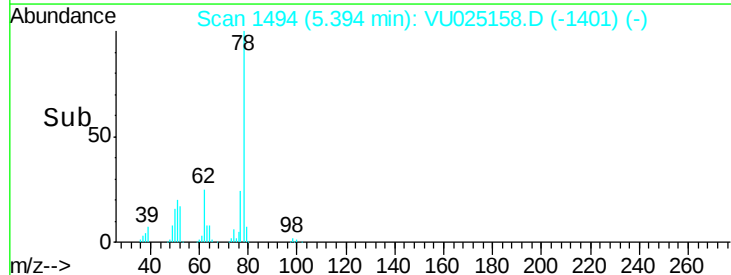
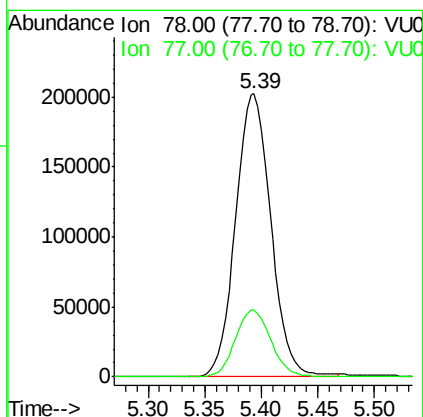
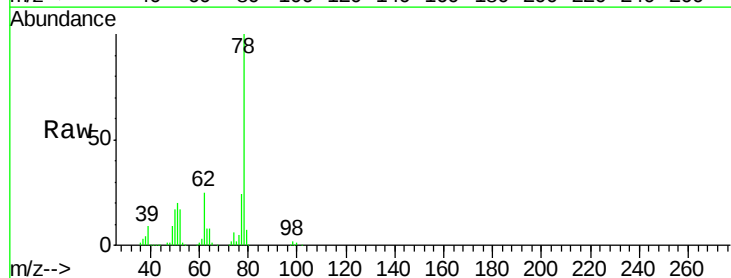
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion: 83 Resp: 179486
Ion Ratio Lower Upper
83 100
55 76.5 65.8 98.6
98 46.5 36.7 55.1



#40
Benzene
Concen: 51.615 ug/l
RT: 5.39 min Scan# 1494
Delta R.T. 0.00 min
Lab File: VU025158.D
Acq: 02 Jul 2018 21:19

Tgt Ion: 78 Resp: 440442
Ion Ratio Lower Upper
78 100
77 23.6 19.2 28.8

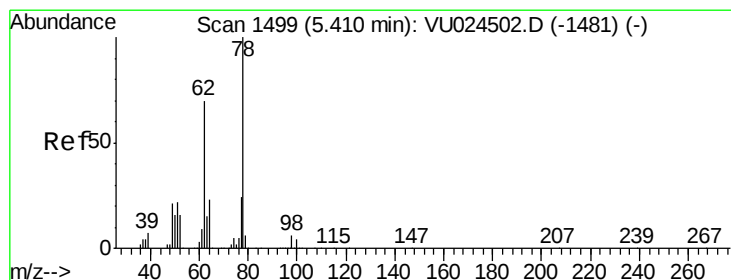
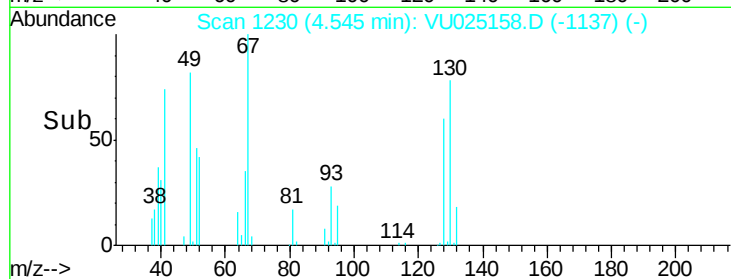
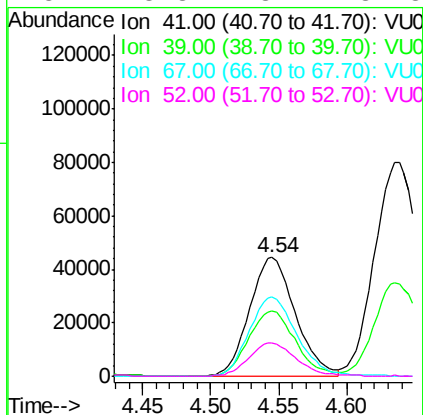
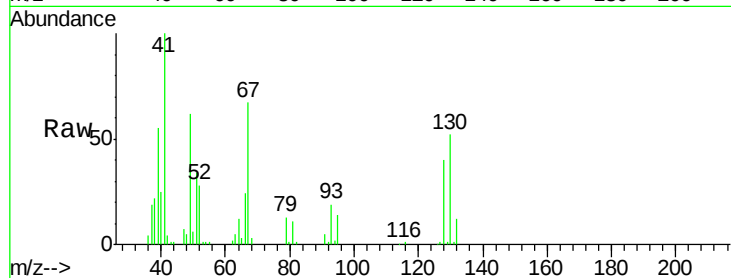




#41
Methacrylonitrile
Concen: 59.009 ug/l
RT: 4.54 min Scan# 1230
Delta R.T. 0.00 min
Lab File: VU025158.D
Acq: 02 Jul 2018 21:19

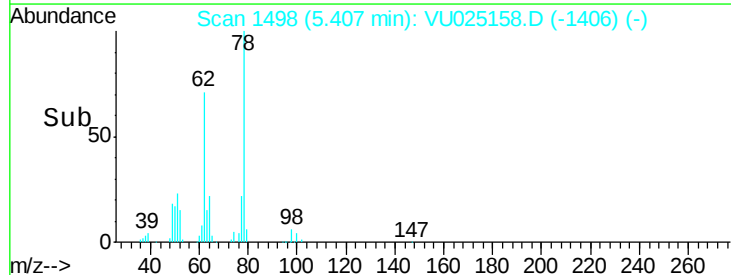
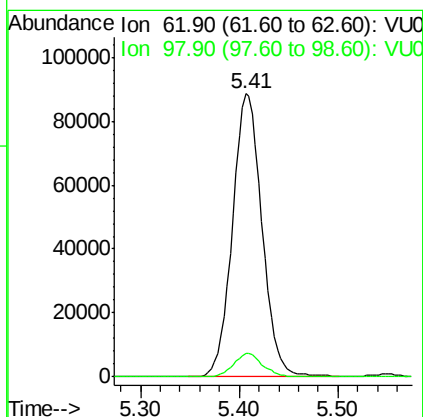
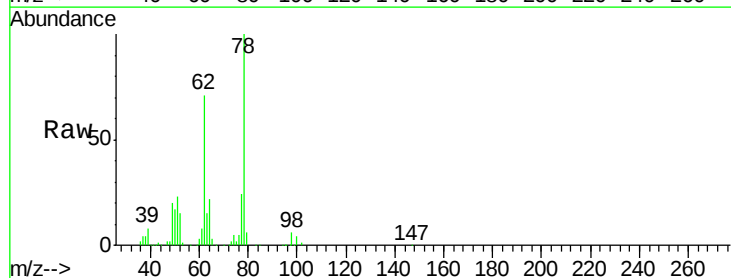
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

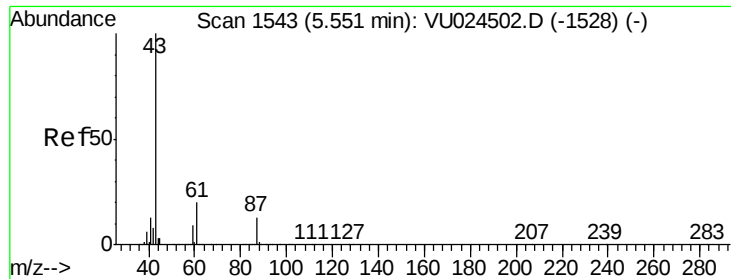
Tot Ion:	41	Resp:	103847
Ion	Ratio	Lower	Upper
41	100		
39	55.5	43.8	65.6
67	69.6	56.3	84.5
52	28.3	23.2	34.8



#42
1,2-Dichloroethane
Concen: 56.838 ug/l
RT: 5.41 min Scan# 1498
Delta R.T. -0.00 min
Lab File: VU025158.D
Acq: 02 Jul 2018 21:19

Tgt Ion:	62	Resp:	184725
Ion	Ratio	Lower	Upper
62	100		
98	8.1	0.0	16.6

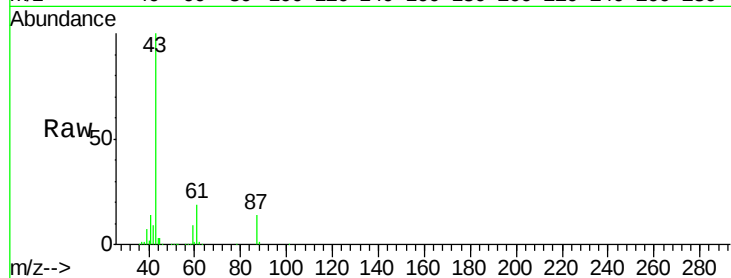




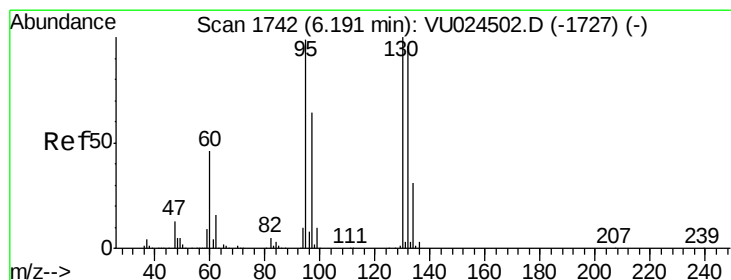
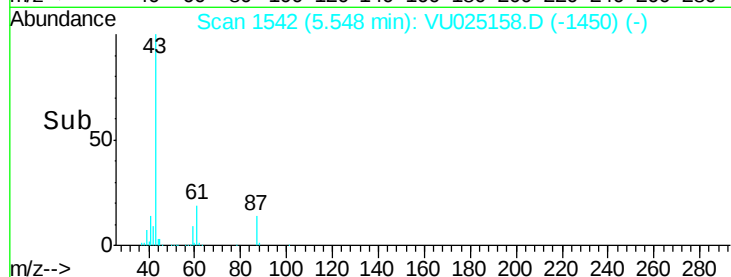
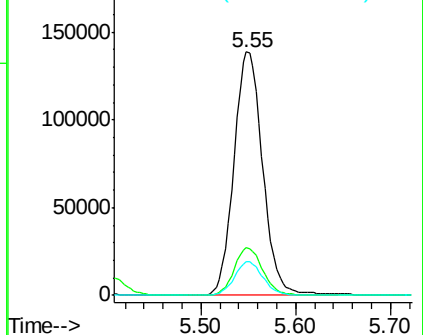
#43
Isopropyl Acetate
Concen: 51.715 ug/l
RT: 5.55 min Scan# 1542
Delta R.T. -0.00 min
Lab File: VU025158.D
Acq: 02 Jul 2018 21:19

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 291775
Ion Ratio Lower Upper
43 100
61 19.5 15.4 23.0
87 13.8 10.0 15.0

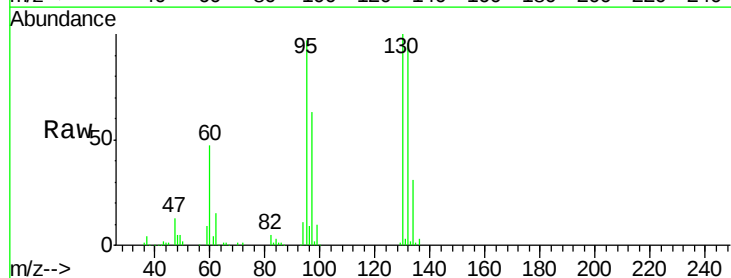


Abundance Ion 43.00 (42.70 to 43.70): VU0
Ion 61.00 (60.70 to 61.70): VU0
Ion 87.00 (86.70 to 87.70): VU0

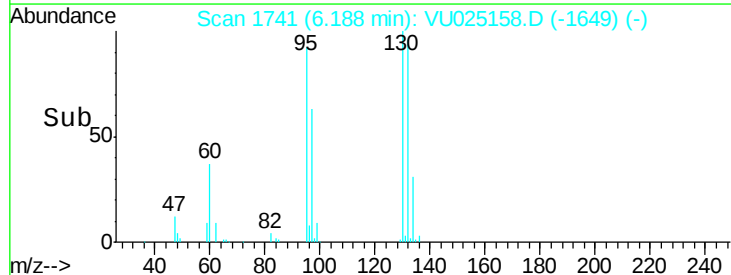
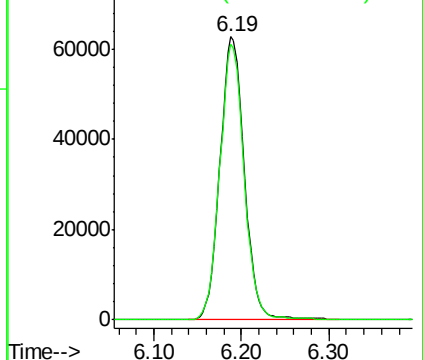


#44
Trichloroethene
Concen: 50.081 ug/l
RT: 6.19 min Scan# 1741
Delta R.T. -0.00 min
Lab File: VU025158.D
Acq: 02 Jul 2018 21:19

Tgt Ion: 130 Resp: 121624
Ion Ratio Lower Upper
130 100
95 97.4 0.0 202.4



Abundance Ion 129.80 (129.50 to 130.50): V
Ion 94.90 (94.60 to 95.60): VU0





#45

1,2-Dichloropropane

Concen: 53.141 ug/l

RT: 6.44 min Scan# 1819

Delta R.T. -0.00 min

Lab File: VU025158.D

Acq: 02 Jul 2018 21:19

Instrument :

MSVOA_U

ClientSampleId :

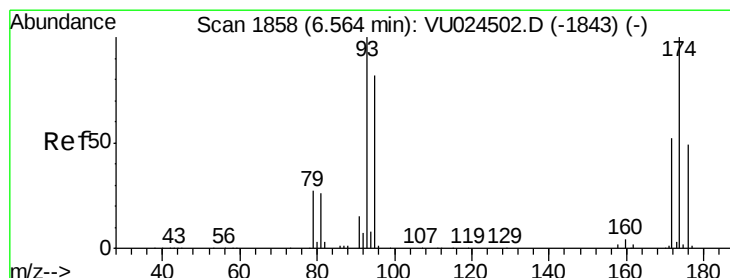
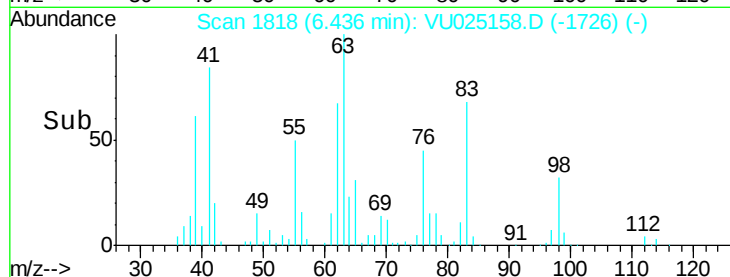
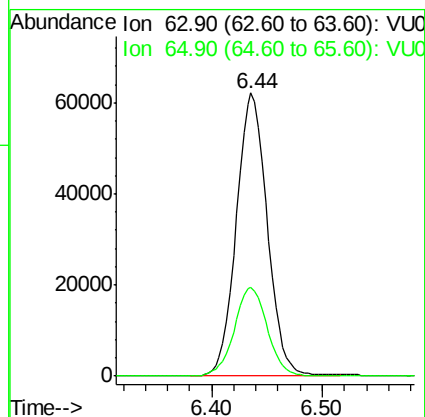
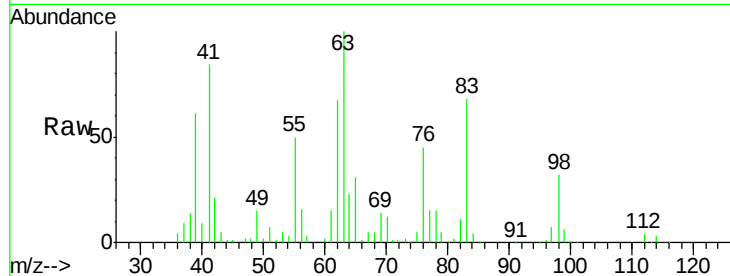
VSTDCCC050EC

Tot Ion: 63 Resp: 120995

Ion Ratio Lower Upper

63 100

65 31.3 24.8 37.2



#46

Dibromomethane

Concen: 54.913 ug/l

RT: 6.56 min Scan# 1858

Delta R.T. 0.00 min

Lab File: VU025158.D

Acq: 02 Jul 2018 21:19

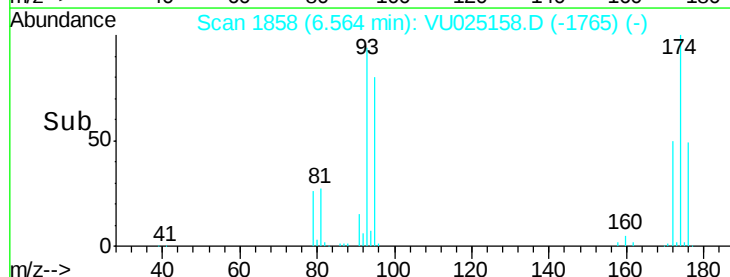
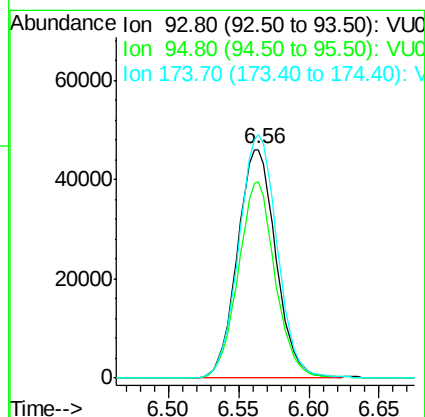
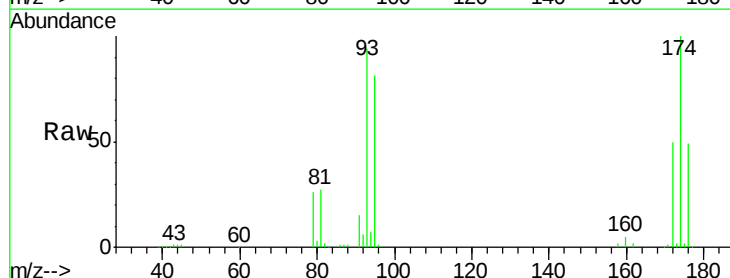
Tgt Ion: 93 Resp: 87822

Ion Ratio Lower Upper

93 100

95 82.6 65.5 98.3

174 106.5 78.7 118.1





#47

Bromodichloromethane

Concen: 52.678 ug/l

RT: 6.76 min Scan# 1919

Delta R.T. 0.00 min

Lab File: VU025158.D

Acq: 02 Jul 2018 21:19

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

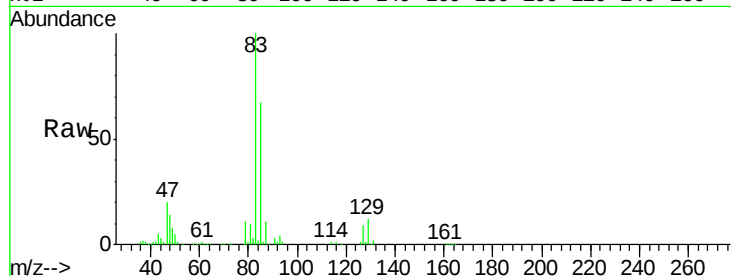
Tot Ion: 83 Resp: 167763

Ion Ratio Lower Upper

83 100

85 67.2 51.9 77.9

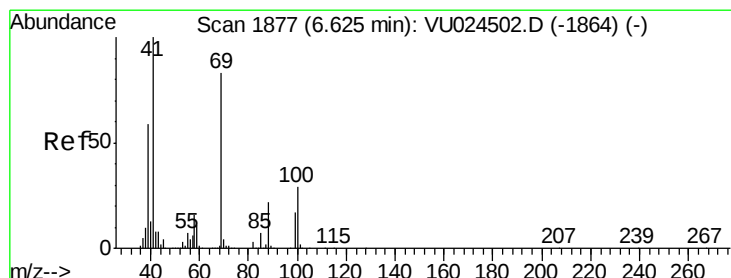
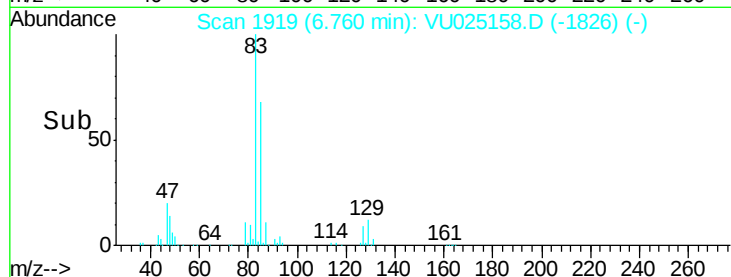
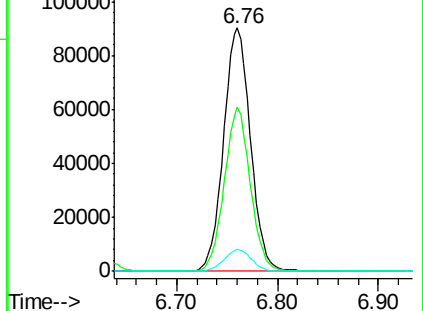
127 9.1 6.6 9.8



Abundance Ion 82.90 (82.60 to 83.60): VU025158.D (-1826) (-)

Ion 84.90 (84.60 to 85.60): VU025158.D (-1826) (-)

Ion 126.80 (126.50 to 127.50): VU025158.D (-1826) (-)



#48

Methyl methacrylate

Concen: 55.913 ug/l

RT: 6.63 min Scan# 1877

Delta R.T. 0.00 min

Lab File: VU025158.D

Acq: 02 Jul 2018 21:19

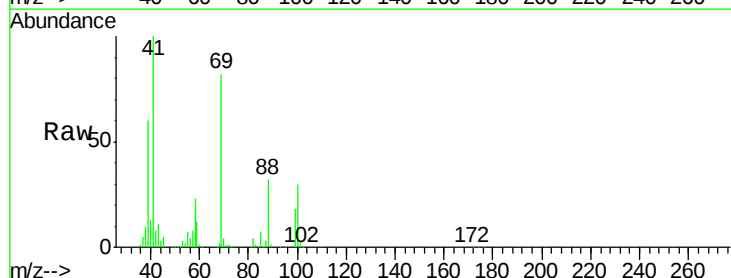
Tgt Ion: 41 Resp: 153610

Ion Ratio Lower Upper

41 100

69 81.1 67.3 100.9

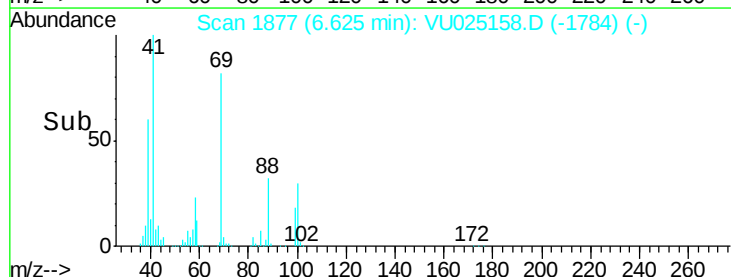
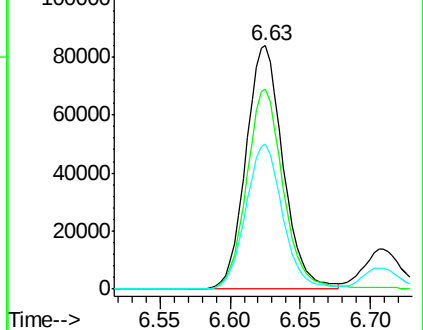
39 59.0 46.5 69.7

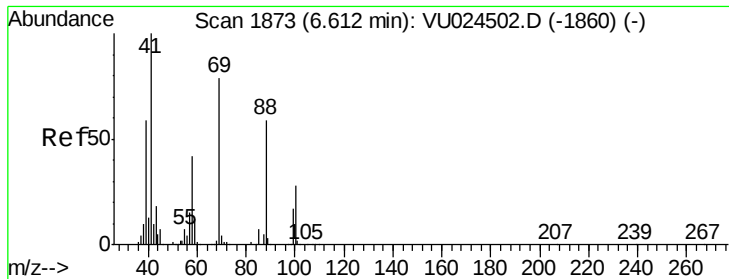


Abundance Ion 41.00 (40.70 to 41.70): VU025158.D (-1784) (-)

Ion 69.00 (68.70 to 69.70): VU025158.D (-1784) (-)

Ion 39.00 (38.70 to 39.70): VU025158.D (-1784) (-)

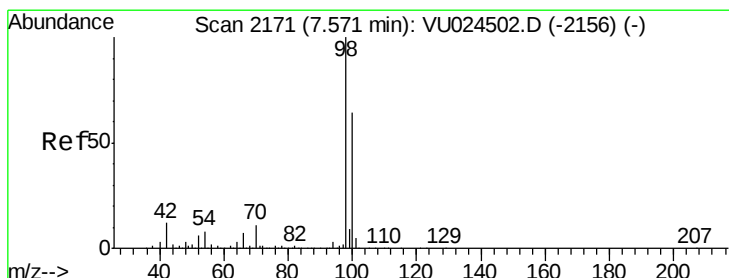
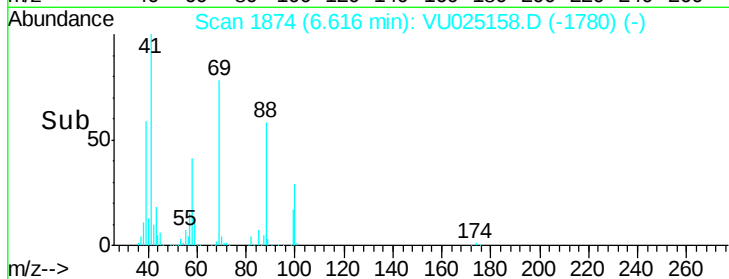
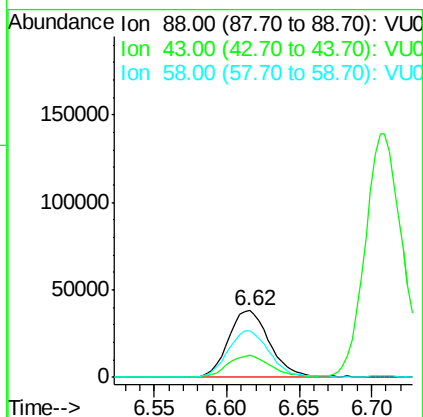
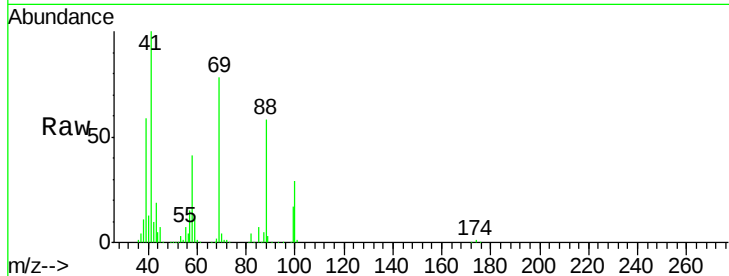




#49
 1,4-Dioxane
 Concen: 1384.661 ug/l
 RT: 6.62 min Scan# 1874
 Delta R.T. 0.00 min
 Lab File: VU025158.D
 Acq: 02 Jul 2018 21:19

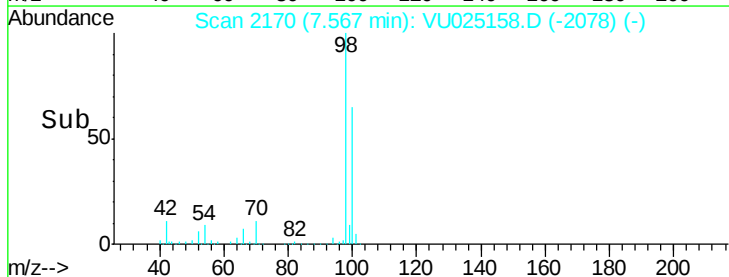
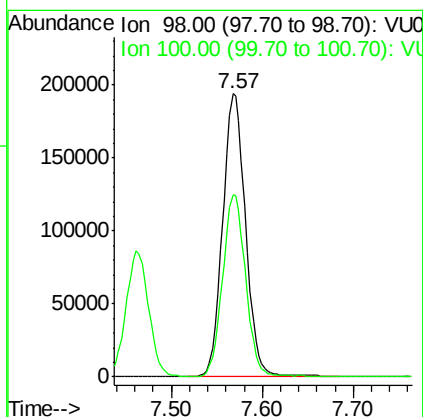
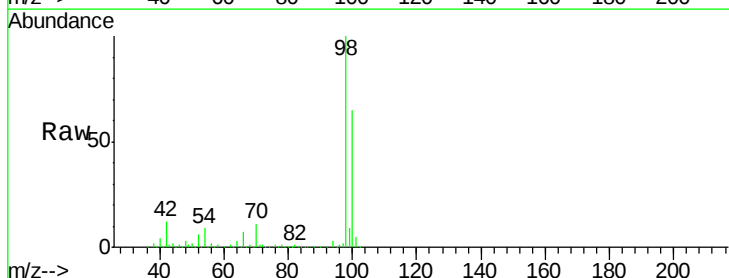
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 88 Resp: 74394
 Ion Ratio Lower Upper
 88 100
 43 33.1 28.6 42.8
 58 71.6 58.2 87.4



#50
 Toluene-d8
 Concen: 44.063 ug/l
 RT: 7.57 min Scan# 2170
 Delta R.T. -0.00 min
 Lab File: VU025158.D
 Acq: 02 Jul 2018 21:19

Tgt Ion: 98 Resp: 339945
 Ion Ratio Lower Upper
 98 100
 100 63.9 51.1 76.7





#51

4-Methyl-2-Pentanone

Concen: 277.574 ug/l

RT: 7.46 min Scan# 2137

Delta R.T. 0.00 min

Lab File: VU025158.D

Acq: 02 Jul 2018 21:19

Instrument :

MSVOA_U

ClientSampleId :

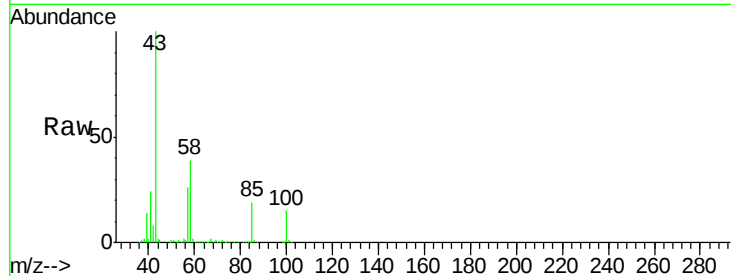
VSTDCCC050EC

Tot Ion: 43 Resp: 983888

Ion Ratio Lower Upper

43 100

58 38.7 30.0 45.0



Abundance Ion 43.00 (42.70 to 43.70): VU024502.D (-2120) (-)

Ion 58.00 (57.70 to 58.70): VU024502.D (-2120) (-)

7.46

600000

500000

400000

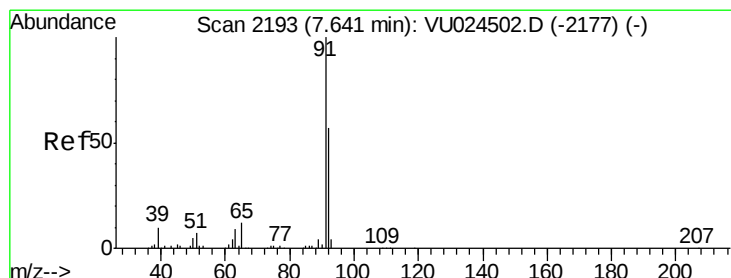
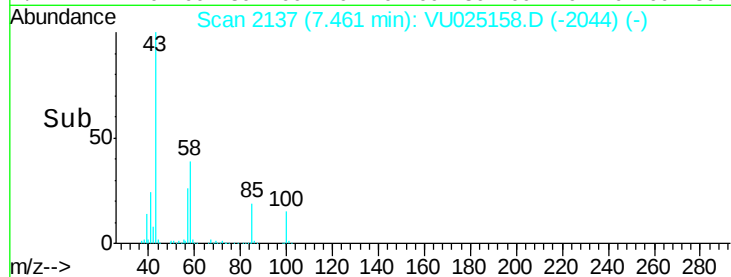
300000

200000

100000

0

Time-->



#52

Toluene

Concen: 52.615 ug/l

RT: 7.64 min Scan# 2193

Delta R.T. 0.00 min

Lab File: VU025158.D

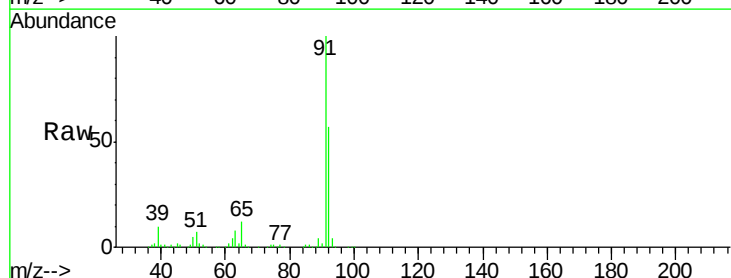
Acq: 02 Jul 2018 21:19

Tgt Ion: 92 Resp: 288857

Ion Ratio Lower Upper

92 100

91 173.7 140.5 210.7



Abundance Ion 92.00 (91.70 to 92.70): VU024502.D (-2177) (-)

Ion 91.00 (90.70 to 91.70): VU024502.D (-2177) (-)

7.64

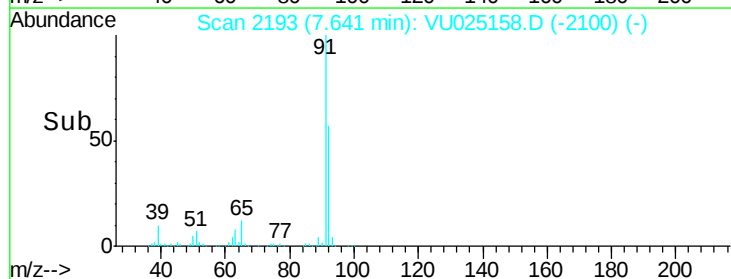
300000

200000

100000

0

Time-->

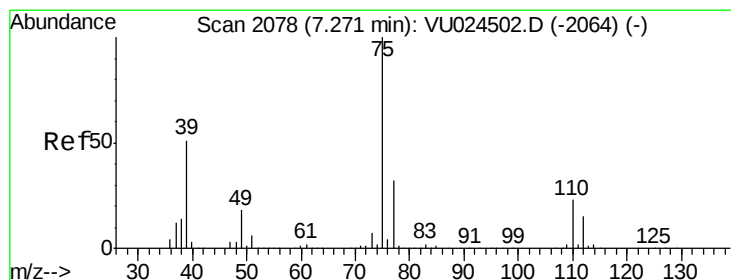
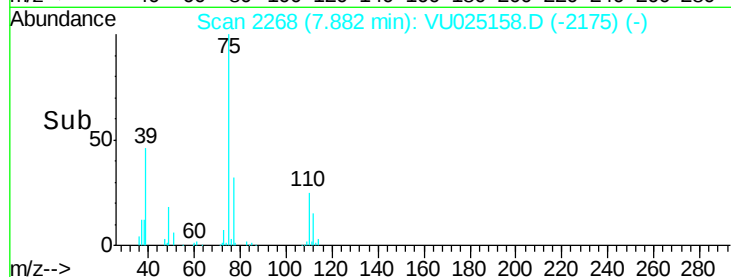
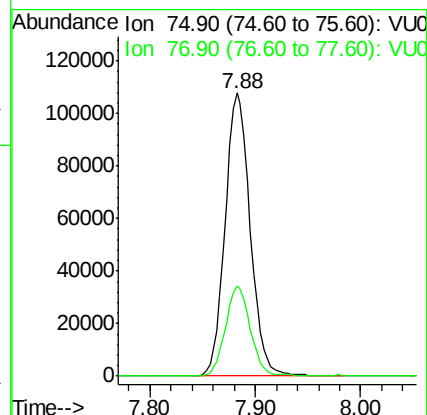
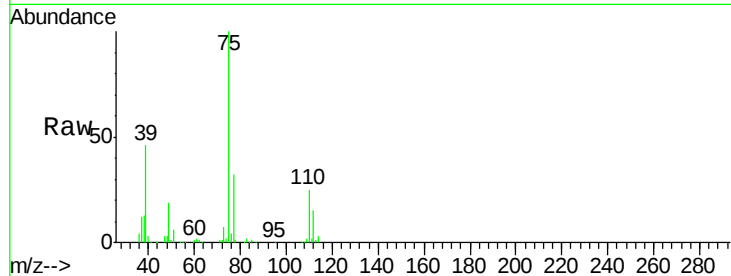




#53
 t-1,3-Dichloropropene
 Concen: 49.575 ug/l
 RT: 7.88 min Scan# 2268
 Delta R.T. 0.00 min
 Lab File: VU025158.D
 Acq: 02 Jul 2018 21:19

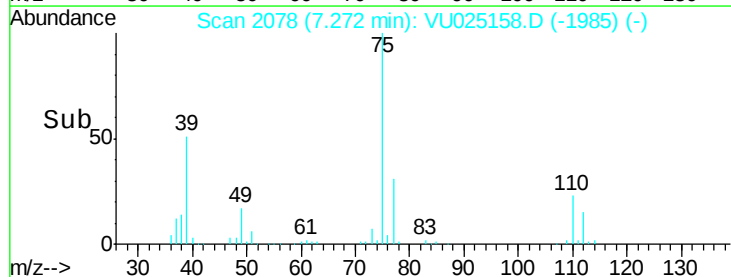
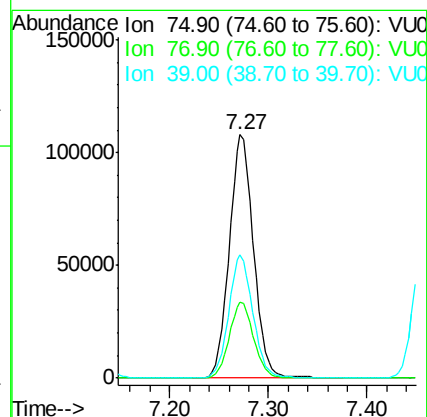
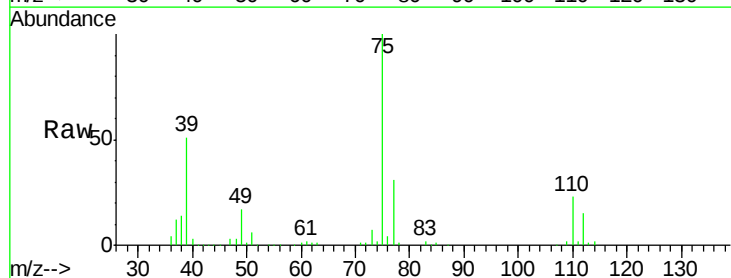
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 75 Resp: 177299
 Ion Ratio Lower Upper
 75 100
 77 31.7 24.8 37.2



#54
 cis-1,3-Dichloropropene
 Concen: 48.797 ug/l
 RT: 7.27 min Scan# 2078
 Delta R.T. 0.00 min
 Lab File: VU025158.D
 Acq: 02 Jul 2018 21:19

Tgt Ion: 75 Resp: 185958
 Ion Ratio Lower Upper
 75 100
 77 31.0 24.6 36.8
 39 50.6 39.8 59.6

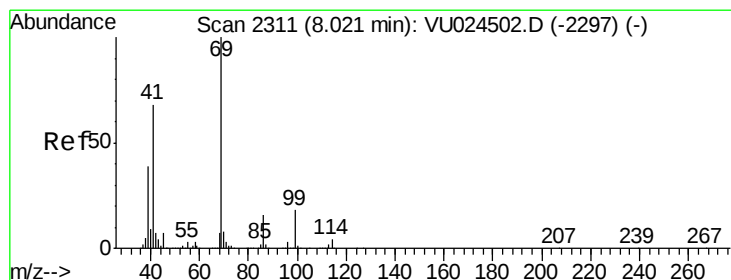
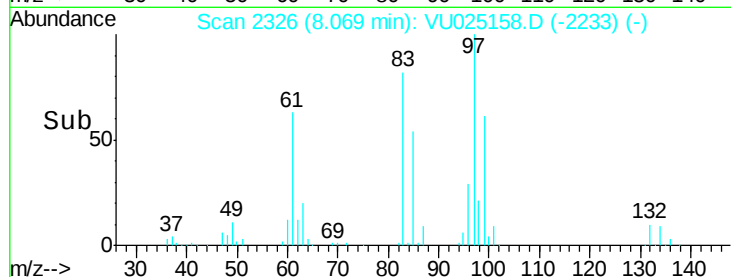
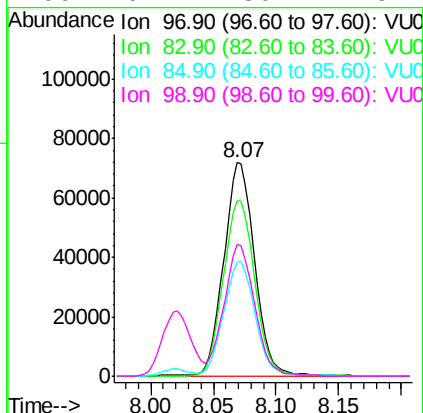
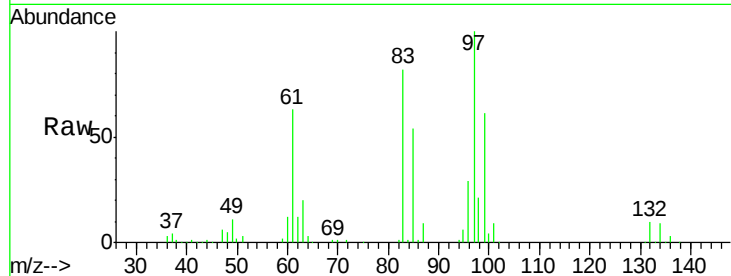




#55
 1,1,2-Trichloroethane
 Concen: 54.352 ug/l
 RT: 8.07 min Scan# 2326
 Delta R.T. 0.00 min
 Lab File: VU025158.D
 Acq: 02 Jul 2018 21:19

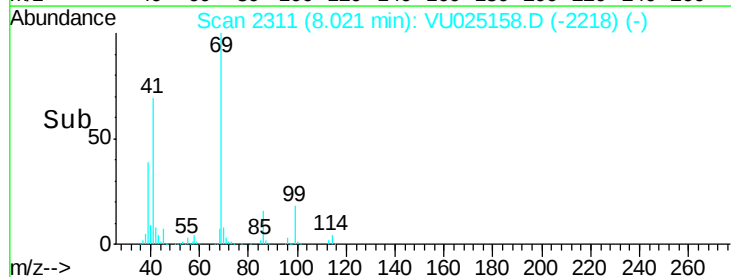
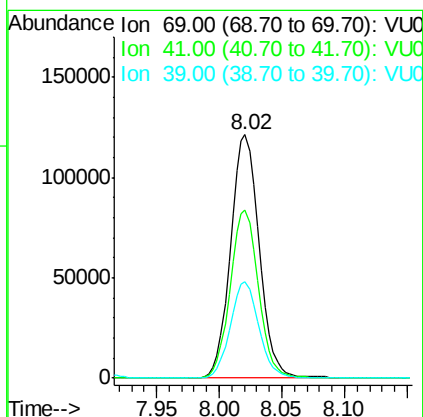
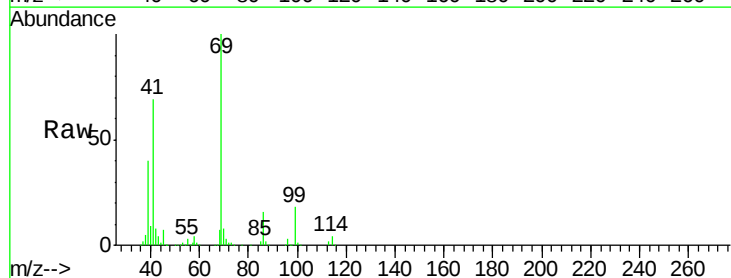
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

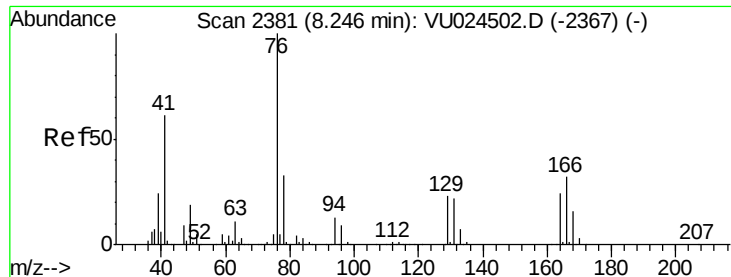
Tot Ion:	97	Resp:	121294
Ion	Ratio	Lower	Upper
97	100		
83	82.4	70.5	105.7
85	53.5	46.4	69.6
99	61.7	50.2	75.2



#56
 Ethyl methacrylate
 Concen: 51.529 ug/l
 RT: 8.02 min Scan# 2311
 Delta R.T. 0.00 min
 Lab File: VU025158.D
 Acq: 02 Jul 2018 21:19

Tgt Ion:	69	Resp:	192468
Ion	Ratio	Lower	Upper
69	100		
41	68.3	54.1	81.1
39	39.0	30.3	45.5





#57

1,3-Dichloropropane

Concen: 54.342 ug/l

RT: 8.25 min Scan# 2381

Delta R.T. 0.00 min

Lab File: VU025158.D

Acq: 02 Jul 2018 21:19

Instrument :

MSVOA_U

ClientSampleId :

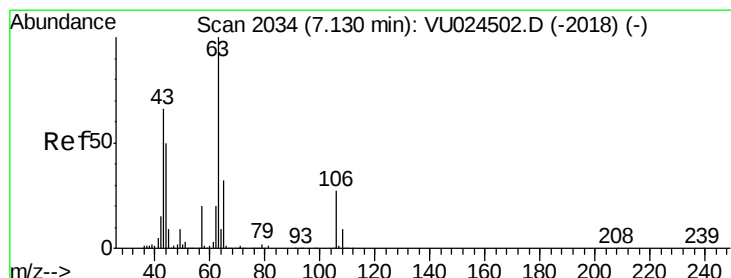
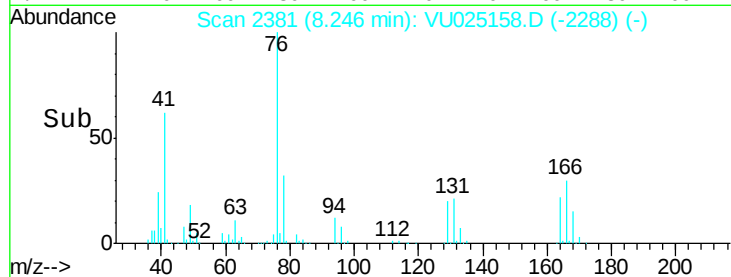
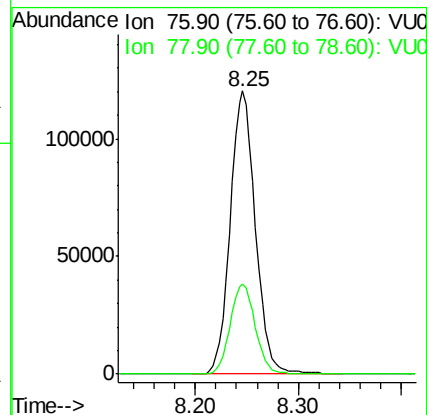
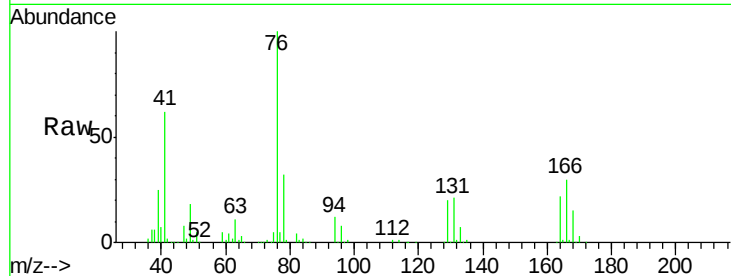
VSTDCCC050EC

Tot Ion: 76 Resp: 204573

Ion Ratio Lower Upper

76 100

78 32.0 25.2 37.8



#58

2-Chloroethyl Vinyl ether

Concen: 248.232 ug/l

RT: 7.13 min Scan# 2034

Delta R.T. 0.00 min

Lab File: VU025158.D

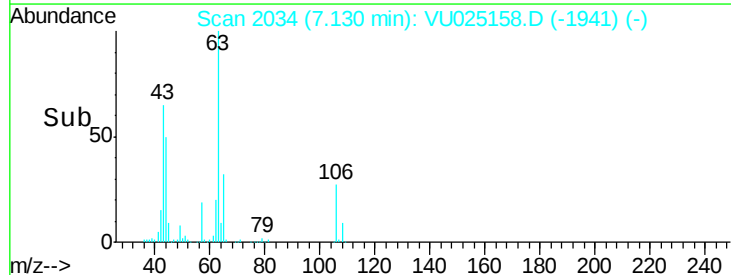
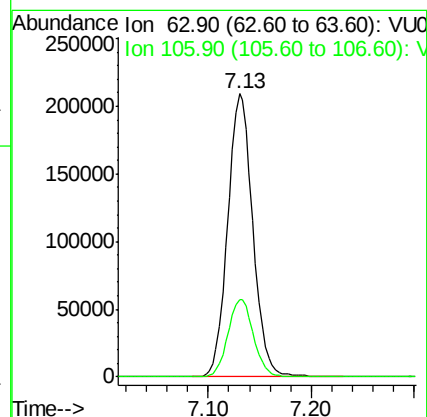
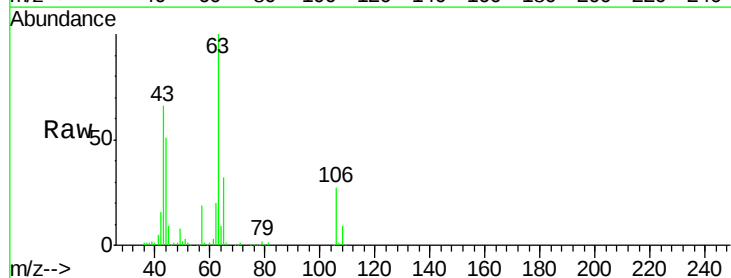
Acq: 02 Jul 2018 21:19

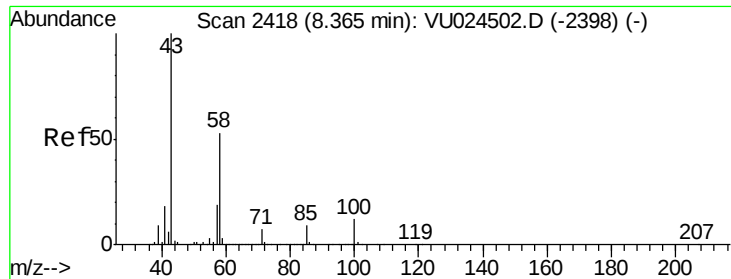
Tgt Ion: 63 Resp: 355211

Ion Ratio Lower Upper

63 100

106 27.7 20.2 30.2

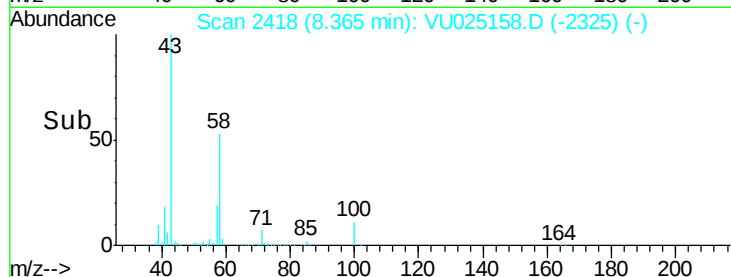
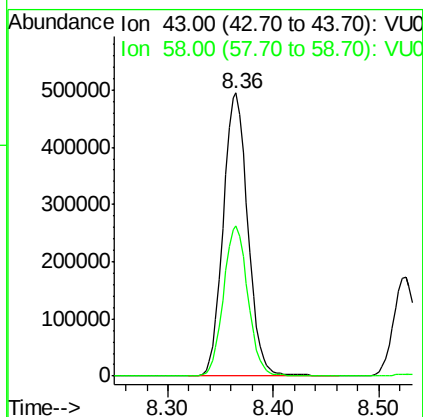
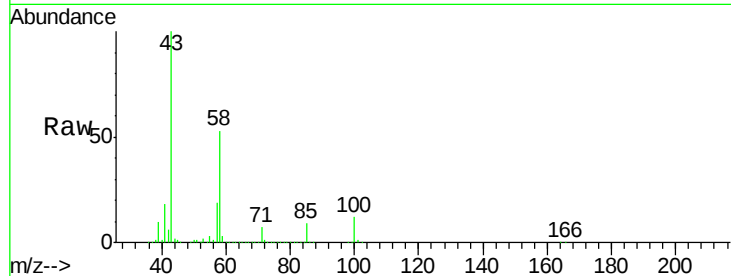




#59
2-Hexanone
Concen: 276.502 ug/l
RT: 8.36 min Scan# 2418
Delta R.T. 0.00 min
Lab File: VU025158.D
Acq: 02 Jul 2018 21:19

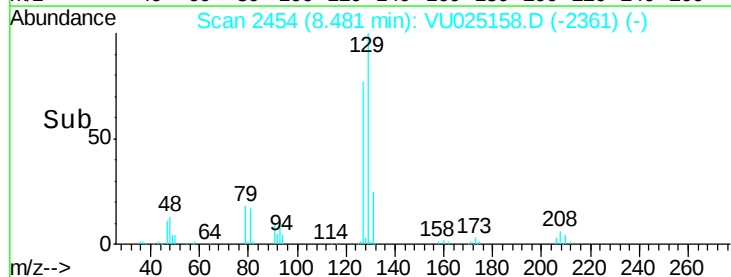
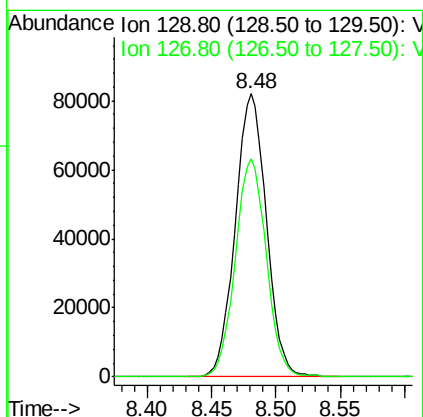
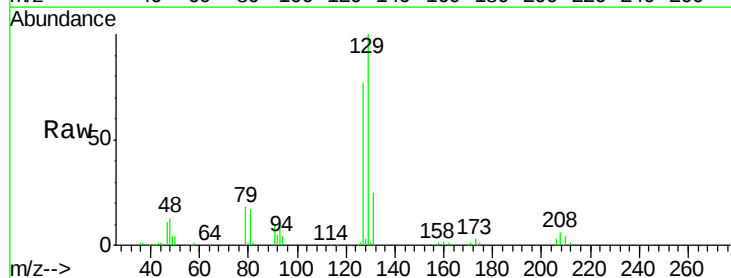
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 800147
Ion Ratio Lower Upper
43 100
58 52.8 26.4 79.0



#60
Dibromochloromethane
Concen: 49.499 ug/l
RT: 8.48 min Scan# 2454
Delta R.T. 0.00 min
Lab File: VU025158.D
Acq: 02 Jul 2018 21:19

Tgt Ion: 129 Resp: 137748
Ion Ratio Lower Upper
129 100
127 76.7 38.6 116.0





#61

1,2-Dibromoethane

Concen: 53.718 ug/l

RT: 8.59 min Scan# 2488

Delta R.T. 0.00 min

Lab File: VU025158.D

Acq: 02 Jul 2018 21:19

Instrument :

MSVOA_U

ClientSampleId :

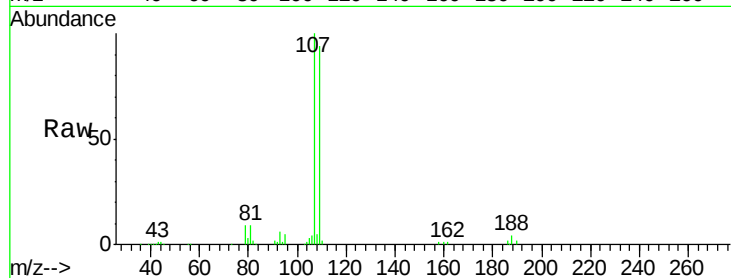
VSTDCCC050EC

Tot Ion:107 Resp: 133428

Ion Ratio Lower Upper

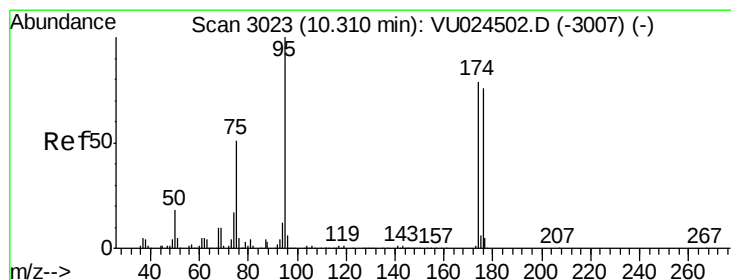
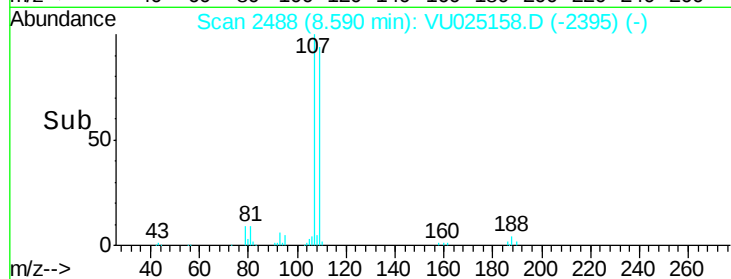
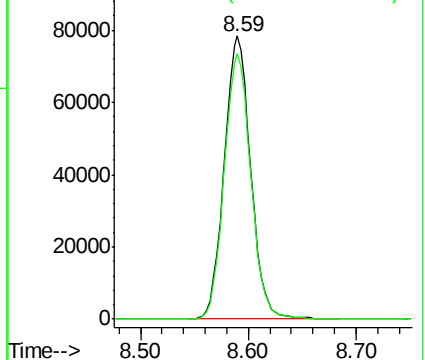
107 100

109 94.6 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: 49.012 ug/l

RT: 10.31 min Scan# 3023

Delta R.T. 0.00 min

Lab File: VU025158.D

Acq: 02 Jul 2018 21:19

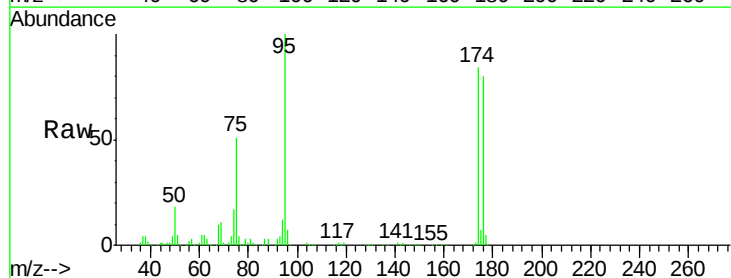
Tgt Ion: 95 Resp: 150130

Ion Ratio Lower Upper

95 100

174 85.3 0.0 165.8

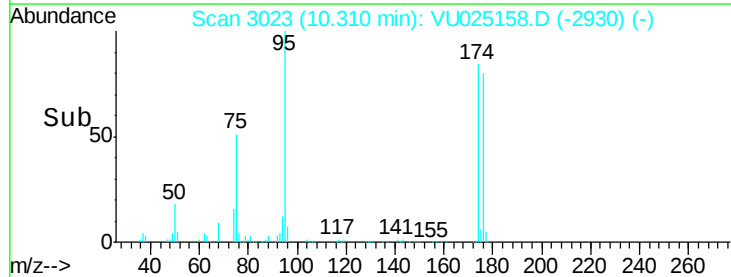
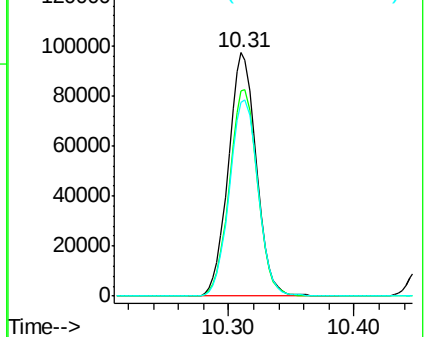
176 82.8 0.0 159.4

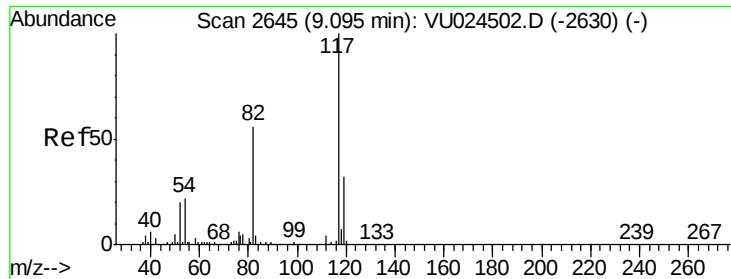


Abundance Ion 94.90 (94.60 to 95.60): VU0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

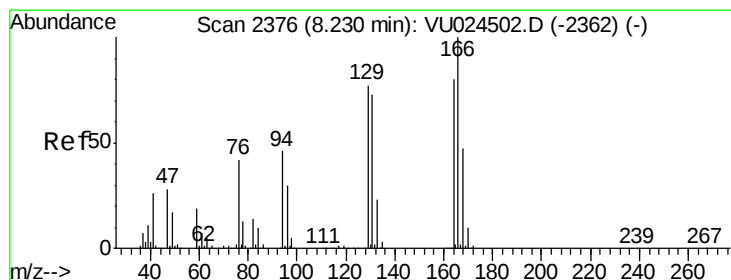
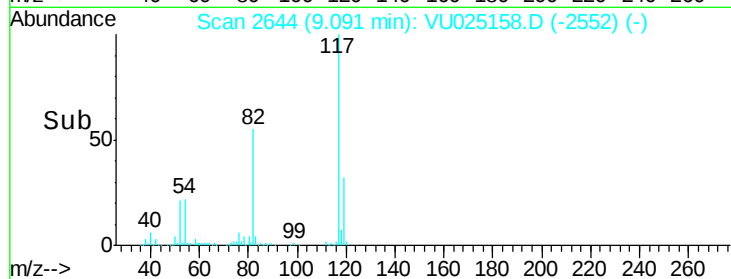
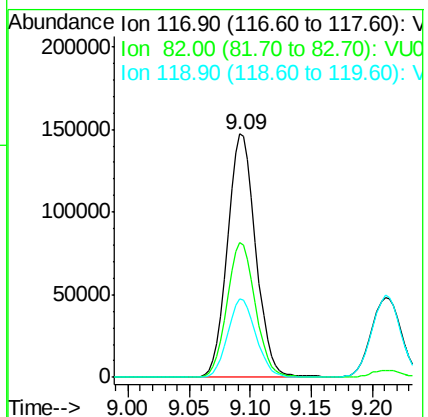
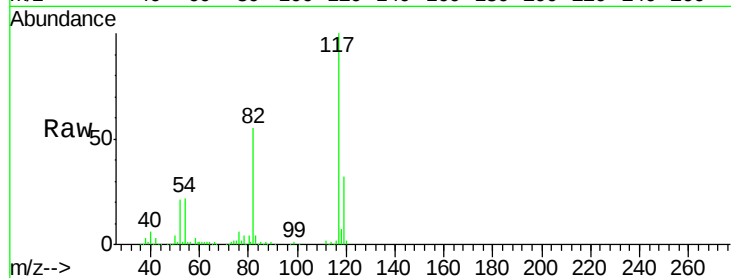




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.09 min Scan# 2644
Delta R.T. -0.00 min
Lab File: VU025158.D
Acq: 02 Jul 2018 21:19

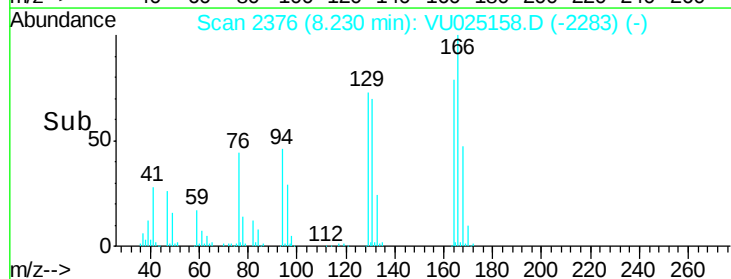
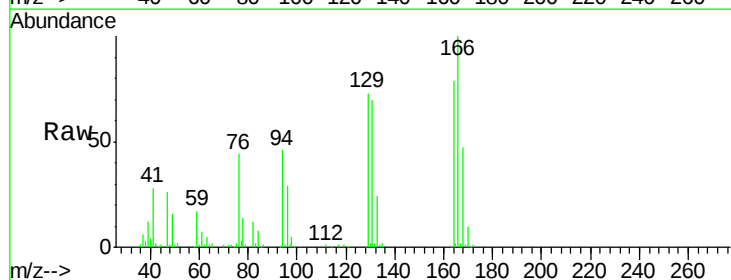
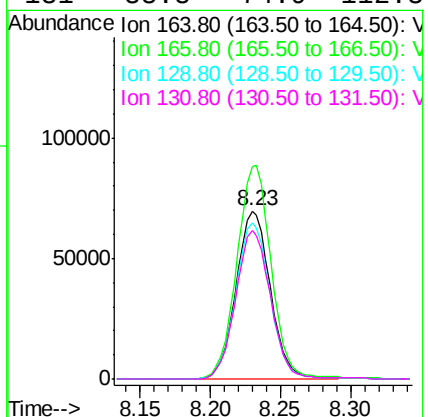
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
117	100		
82	55.4	44.3	66.5
119	32.1	25.4	38.2



#64
Tetrachloroethene
Concen: 52.009 ug/l
RT: 8.23 min Scan# 2376
Delta R.T. 0.00 min
Lab File: VU025158.D
Acq: 02 Jul 2018 21:19

Tgt Ion	Ratio	Lower	Upper
164	100		
166	126.8	101.7	152.5
129	92.9	76.9	115.3
131	88.8	74.9	112.3

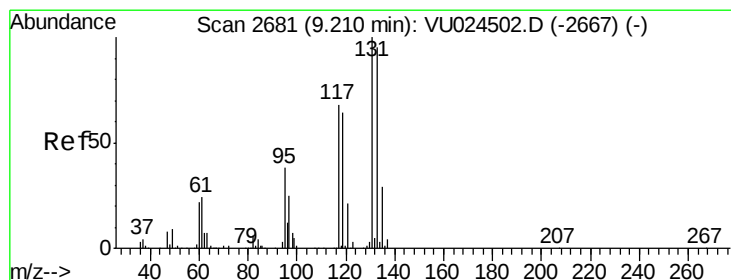
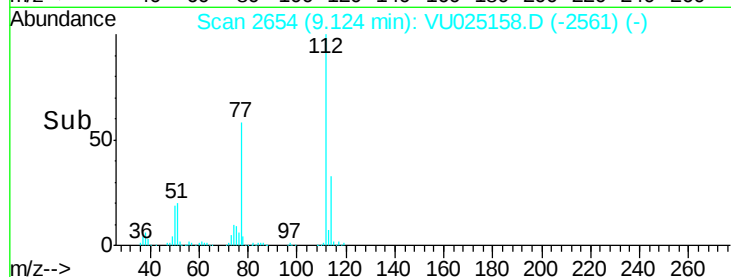
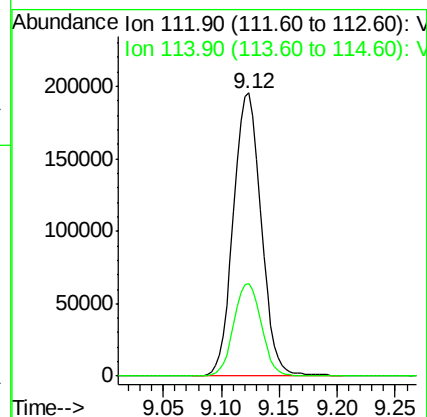
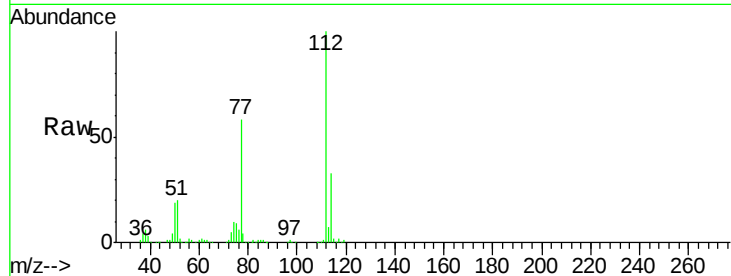




#65
Chlorobenzene
Concen: 53.253 ug/l
RT: 9.12 min Scan# 2654
Delta R.T. 0.00 min
Lab File: VU025158.D
Acq: 02 Jul 2018 21:19

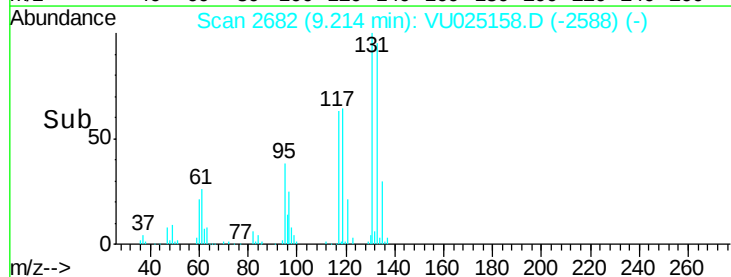
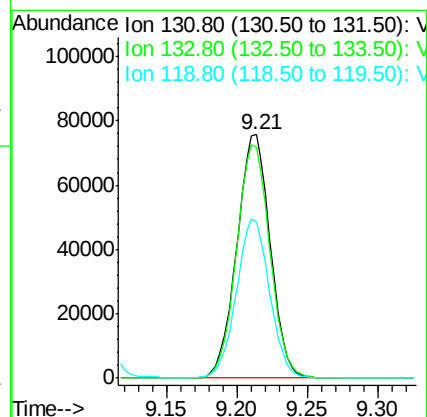
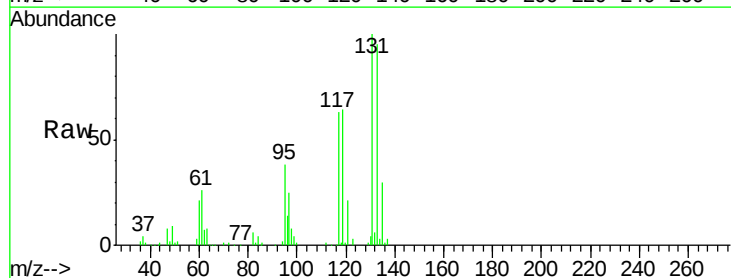
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

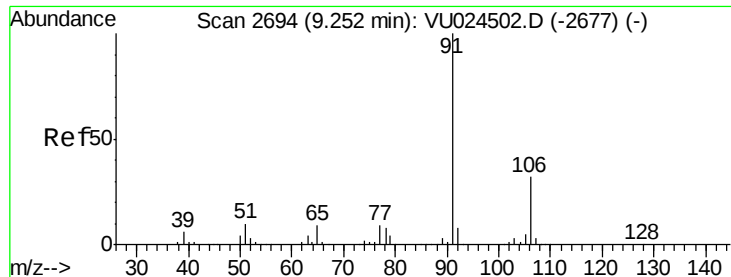
Tot Ion:112 Resp: 326353
Ion Ratio Lower Upper
112 100
114 32.7 25.6 38.4



#66
1,1,1,2-Tetrachloroethane
Concen: 54.026 ug/l
RT: 9.21 min Scan# 2682
Delta R.T. 0.00 min
Lab File: VU025158.D
Acq: 02 Jul 2018 21:19

Tgt Ion:131 Resp: 125787
Ion Ratio Lower Upper
131 100
133 95.7 46.9 140.8
119 64.9 33.5 100.4

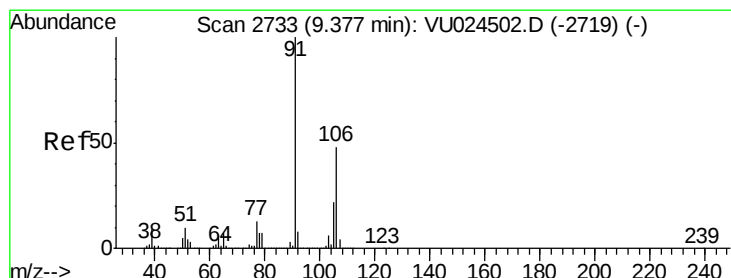
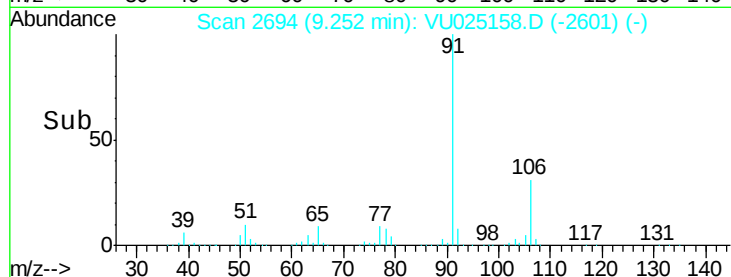
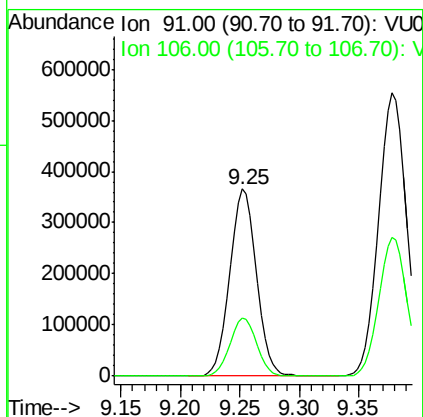
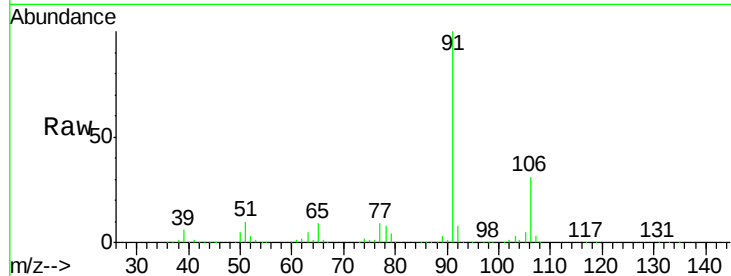




#67
Ethyl Benzene
Concen: 53.003 ug/l
RT: 9.25 min Scan# 2694
Delta R.T. 0.00 min
Lab File: VU025158.D
Acq: 02 Jul 2018 21:19

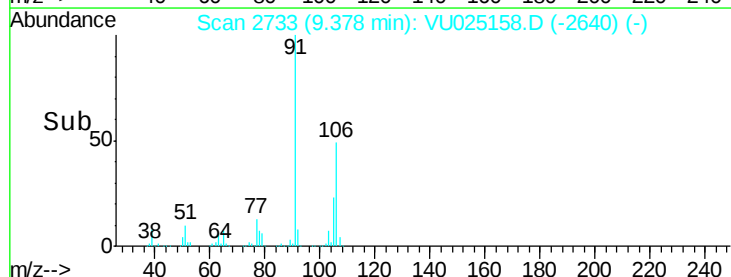
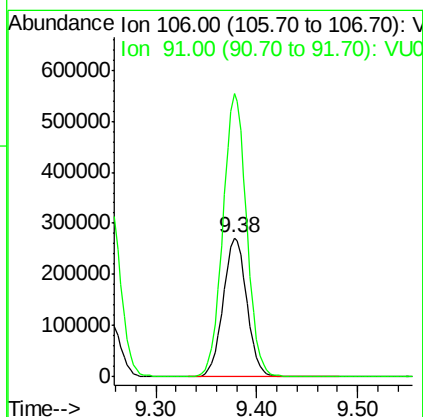
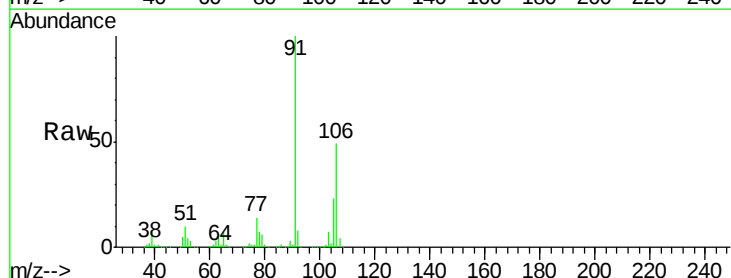
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion: 91 Resp: 569437
Ion Ratio Lower Upper
91 100
106 31.4 24.2 36.4



#68
m/p-Xylenes
Concen: 108.040 ug/l
RT: 9.38 min Scan# 2733
Delta R.T. 0.00 min
Lab File: VU025158.D
Acq: 02 Jul 2018 21:19

Tgt Ion: 106 Resp: 445714
Ion Ratio Lower Upper
106 100
91 204.0 166.5 249.7

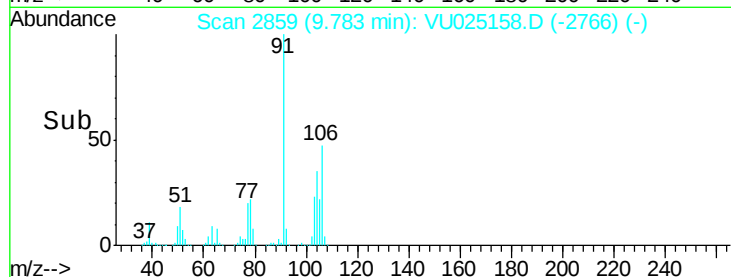
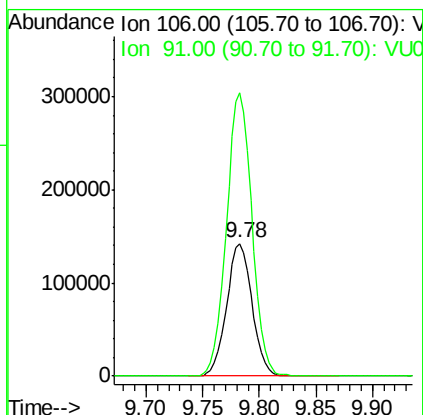
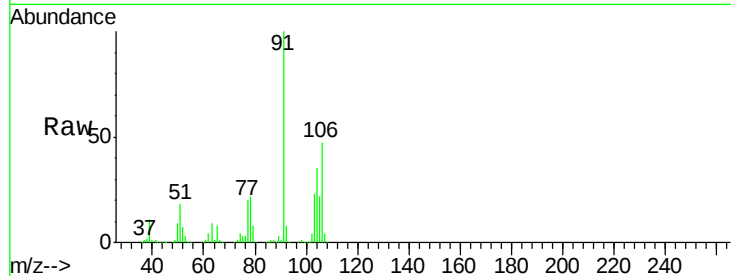




#69
o-Xylene
Concen: 54.510 ug/l
RT: 9.78 min Scan# 2859
Delta R.T. 0.00 min
Lab File: VU025158.D
Acq: 02 Jul 2018 21:19

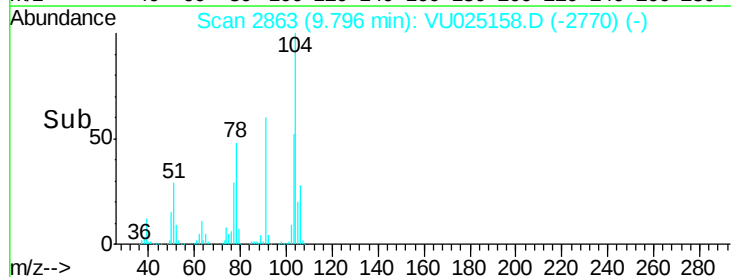
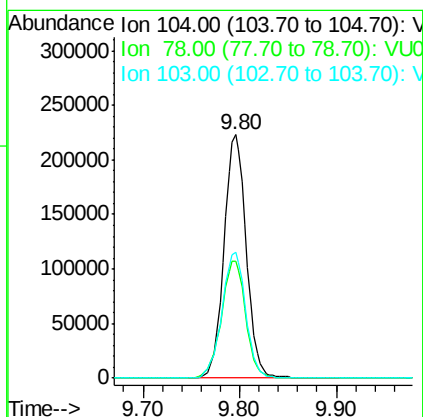
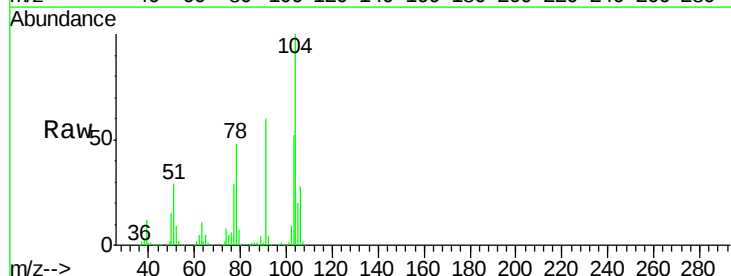
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

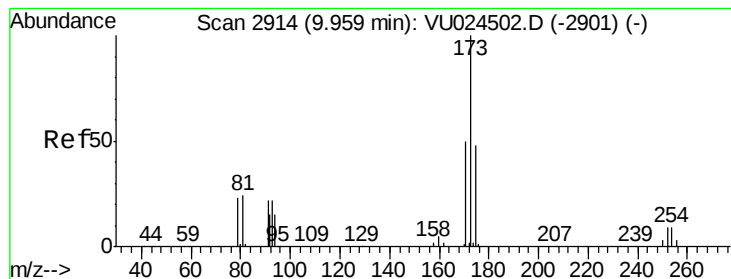
Tot Ion:106 Resp: 222556
Ion Ratio Lower Upper
106 100
91 213.5 110.7 331.9



#70
Styrene
Concen: 52.971 ug/l
RT: 9.80 min Scan# 2863
Delta R.T. 0.00 min
Lab File: VU025158.D
Acq: 02 Jul 2018 21:19

Tgt Ion:104 Resp: 355407
Ion Ratio Lower Upper
104 100
78 52.4 40.6 60.8
103 55.2 44.7 67.1





#71

Bromoform

Concen: 48.786 ug/l

RT: 9.96 min Scan# 2915

Delta R.T. 0.00 min

Lab File: VU025158.D

Acq: 02 Jul 2018 21:19

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

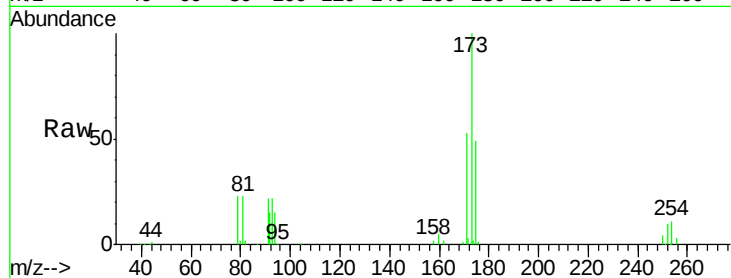
Tot Ion:173 Resp: 107963

Ion Ratio Lower Upper

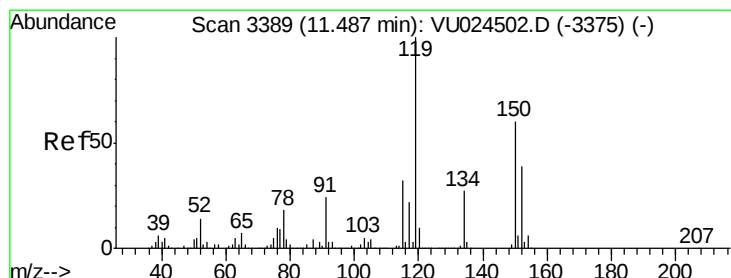
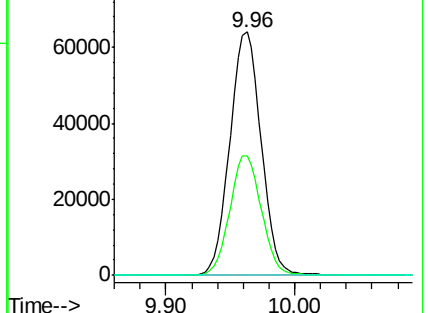
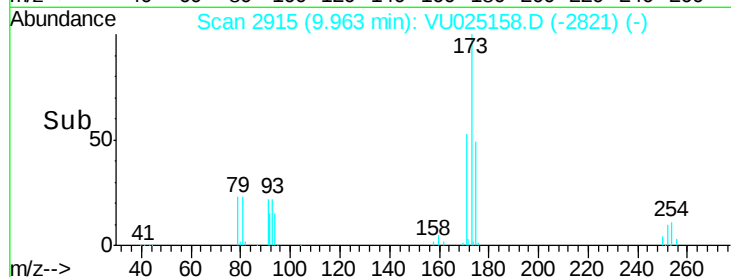
173 100

175 49.6 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: VU025158.D

Acq: 02 Jul 2018 21:19

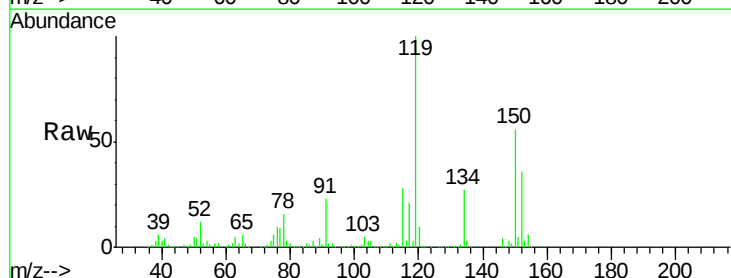
Tgt Ion:152 Resp: 146100

Ion Ratio Lower Upper

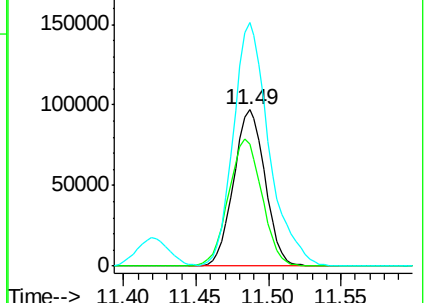
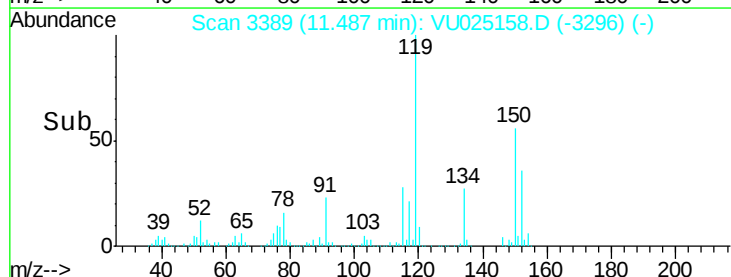
152 100

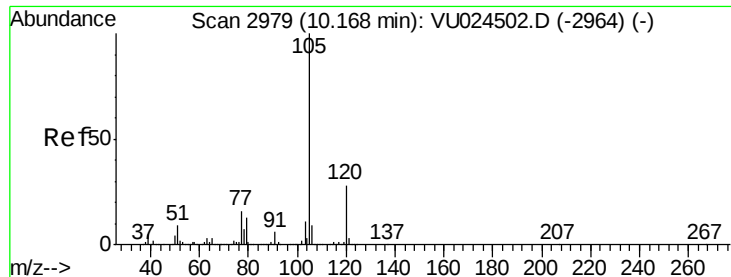
115 86.5 43.0 129.0

150 176.4 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: 53.023 ug/l

RT: 10.17 min Scan# 2979

Delta R.T. 0.00 min

Lab File: VU025158.D

Acq: 02 Jul 2018 21:19

Instrument :

MSVOA_U

ClientSampleId :

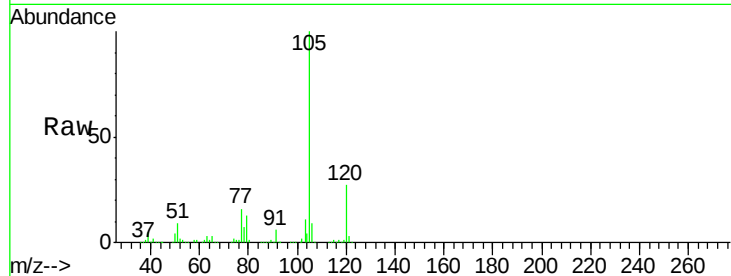
VSTDCCC050EC

Tot Ion:105 Resp: 594753

Ion Ratio Lower Upper

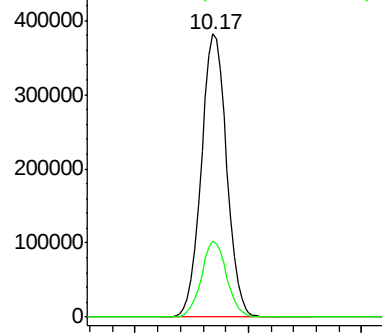
105 100

120 26.7 13.2 39.6

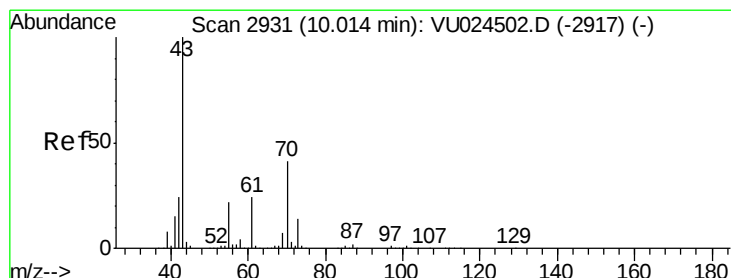
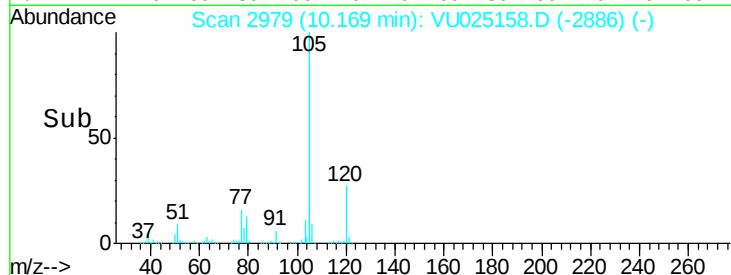


Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



Time-->



#74

N-ethyl acetate

Concen: 50.382 ug/l

RT: 10.01 min Scan# 2931

Delta R.T. 0.00 min

Lab File: VU025158.D

Acq: 02 Jul 2018 21:19

Tgt Ion: 43 Resp: 268805

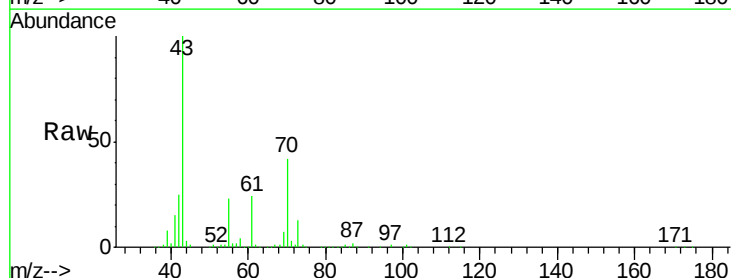
Ion Ratio Lower Upper

43 100

70 41.8 32.2 48.4

55 23.6 20.5 30.7

61 23.6 18.7 28.1

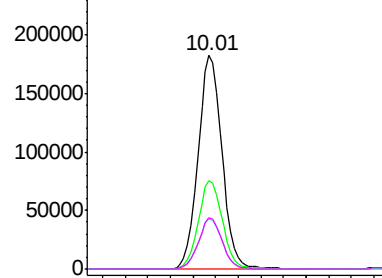


Abundance Ion 43.00 (42.70 to 43.70): VU0

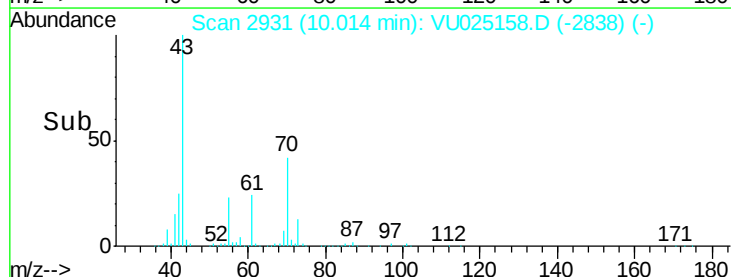
Ion 70.00 (69.70 to 70.70): VU0

Ion 55.00 (54.70 to 55.70): VU0

Ion 61.00 (60.70 to 61.70): VU0



Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 55.307 ug/l

RT: 10.46 min Scan# 3070

Delta R.T. 0.00 min

Lab File: VU025158.D

Acq: 02 Jul 2018 21:19

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

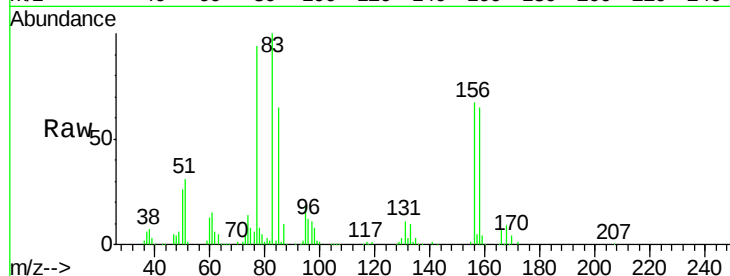
Tot Ion: 83 Resp: 207891

Ion Ratio Lower Upper

83 100

131 10.9 4.7 14.1

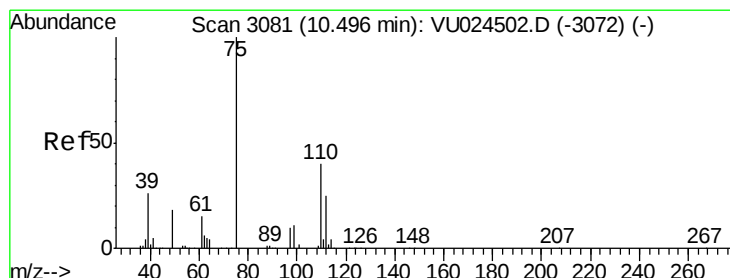
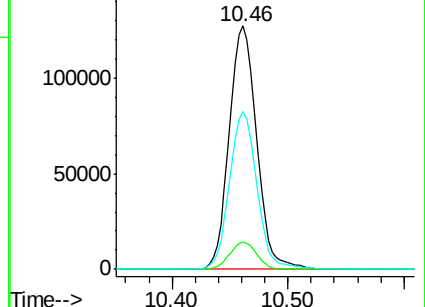
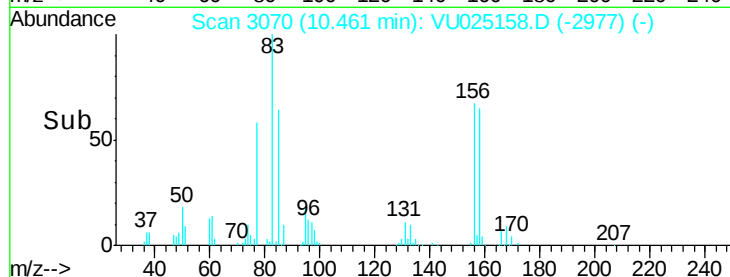
85 64.6 32.5 97.5



Abundance Ion 82.90 (82.60 to 83.60): VU025158.D (-2977) (-)

Ion 130.80 (130.50 to 131.50): VU025158.D (-2977) (-)

Ion 84.90 (84.60 to 85.60): VU025158.D (-2977) (-)



#76

1,2,3-Trichloropropane

Concen: 75.148 ug/l

RT: 10.50 min Scan# 3081

Delta R.T. 0.00 min

Lab File: VU025158.D

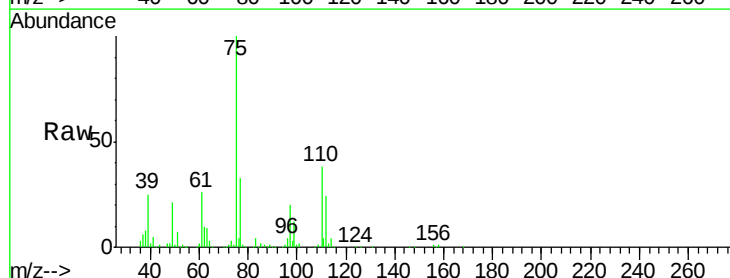
Acq: 02 Jul 2018 21:19

Tgt Ion: 75 Resp: 241719

Ion Ratio Lower Upper

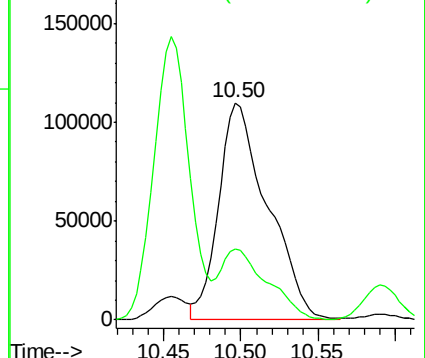
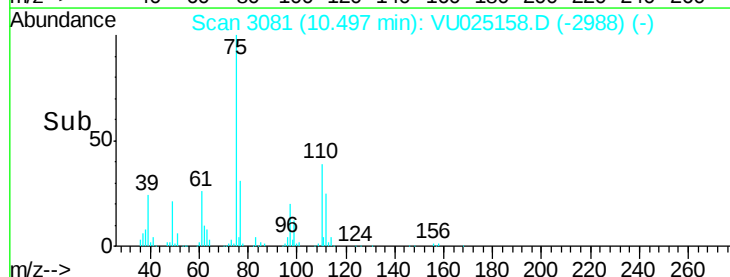
75 100

77 30.0 20.9 62.7



Abundance Ion 74.90 (74.60 to 75.60): VU025158.D (-2988) (-)

Ion 77.00 (76.70 to 77.70): VU025158.D (-2988) (-)





#77

Bromobenzene

Concen: 54.194 ug/l

RT: 10.45 min Scan# 3068

Delta R.T. 0.00 min

Lab File: VU025158.D

Acq: 02 Jul 2018 21:19

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

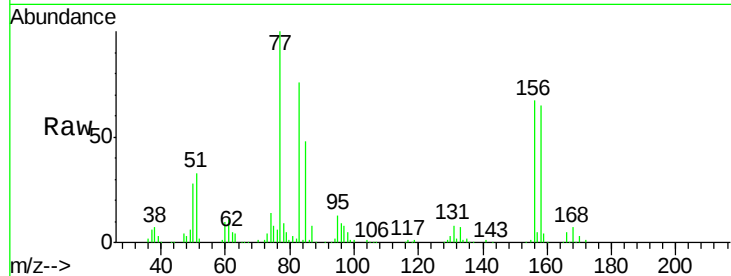
Tot Ion:156 Resp: 153896

Ion Ratio Lower Upper

156 100

77 149.4 80.5 241.3

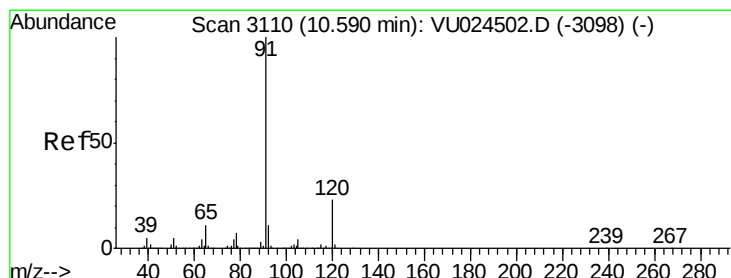
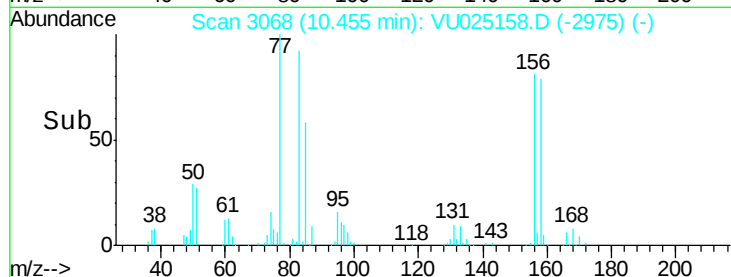
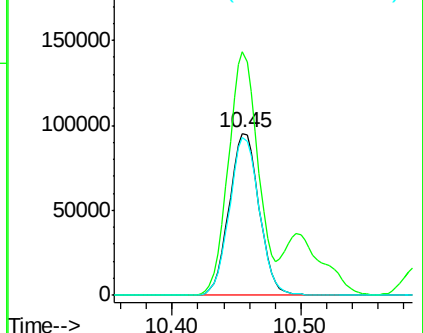
158 97.4 48.2 144.6



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VU0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 50.884 ug/l

RT: 10.59 min Scan# 3110

Delta R.T. 0.00 min

Lab File: VU025158.D

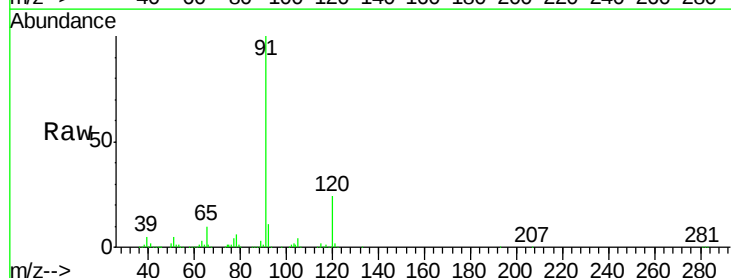
Acq: 02 Jul 2018 21:19

Tgt Ion: 91 Resp: 672357

Ion Ratio Lower Upper

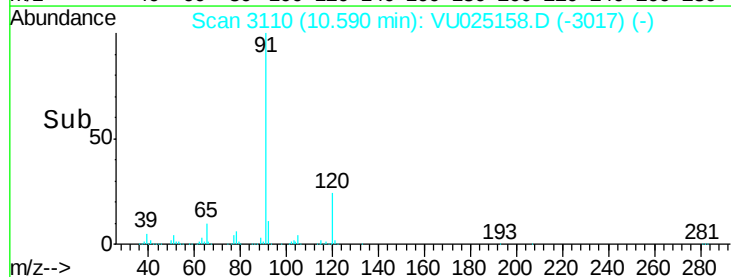
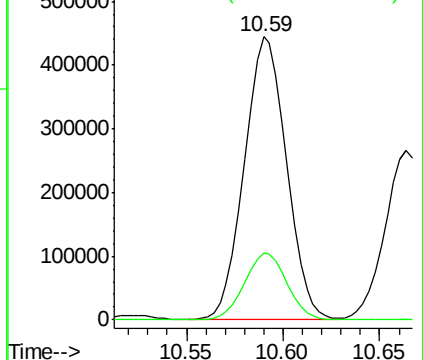
91 100

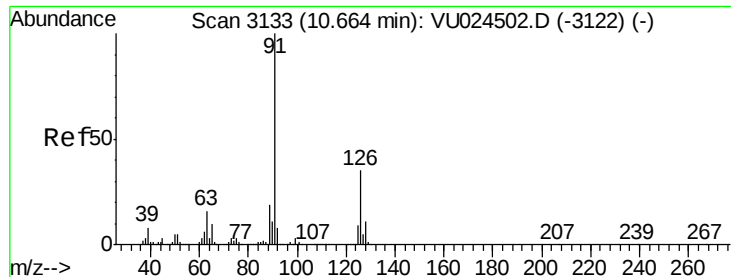
120 23.7 11.2 33.5



Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 52.313 ug/l

RT: 10.66 min Scan# 3133

Delta R.T. 0.00 min

Lab File: VU025158.D

Acq: 02 Jul 2018 21:19

Instrument :

MSVOA_U

ClientSampleId :

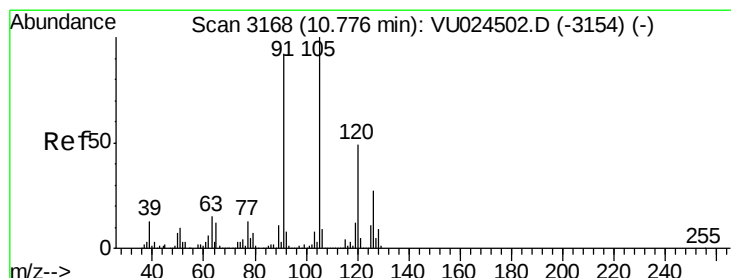
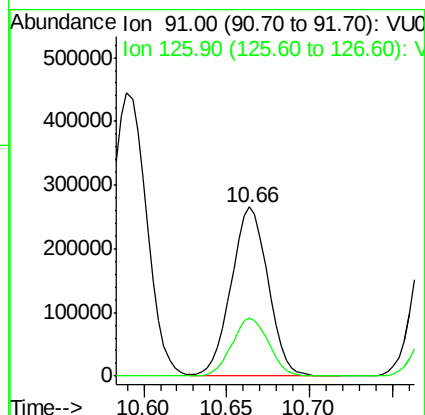
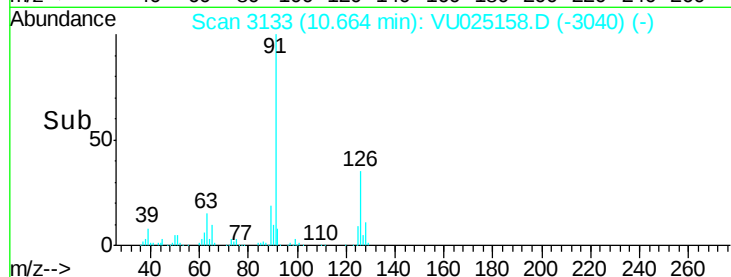
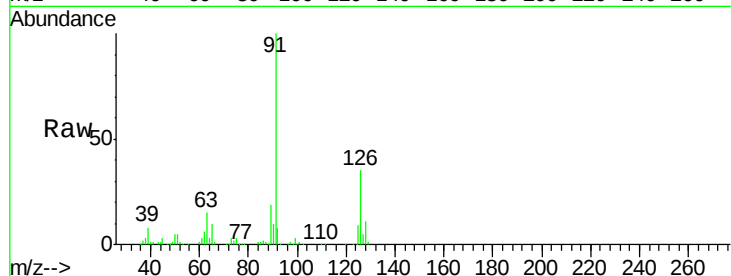
VSTDCCC050EC

Tot Ion: 91 Resp: 407630

Ion Ratio Lower Upper

91 100

126 34.6 16.9 50.7



#80

1,3,5-Trimethylbenzene

Concen: 52.595 ug/l

RT: 10.78 min Scan# 3168

Delta R.T. 0.00 min

Lab File: VU025158.D

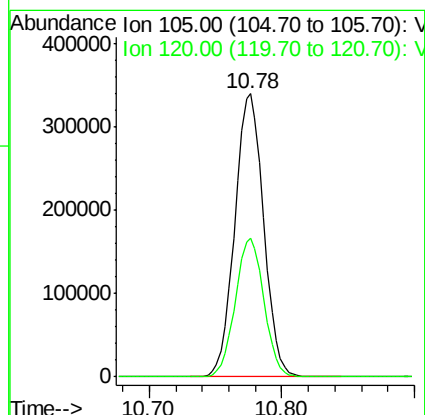
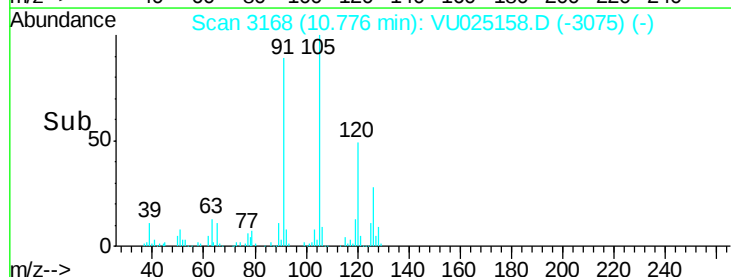
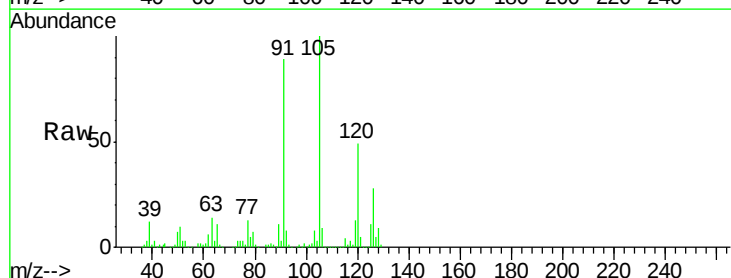
Acq: 02 Jul 2018 21:19

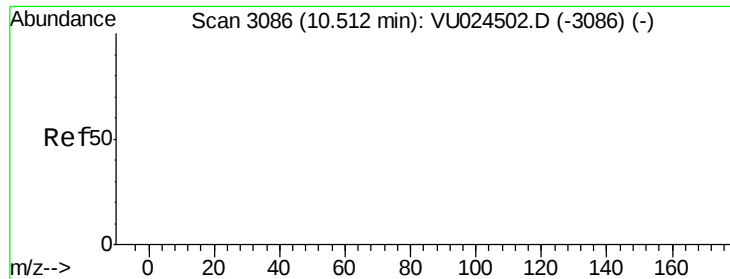
Tgt Ion: 105 Resp: 511338

Ion Ratio Lower Upper

105 100

120 48.6 24.1 72.2

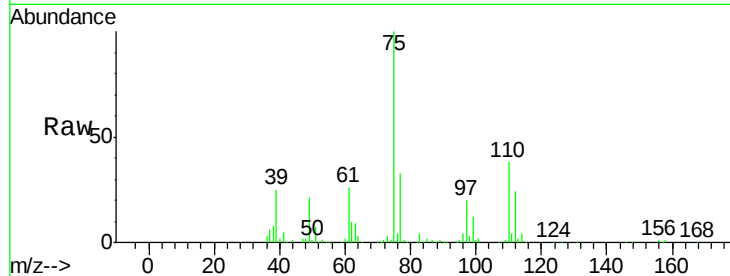




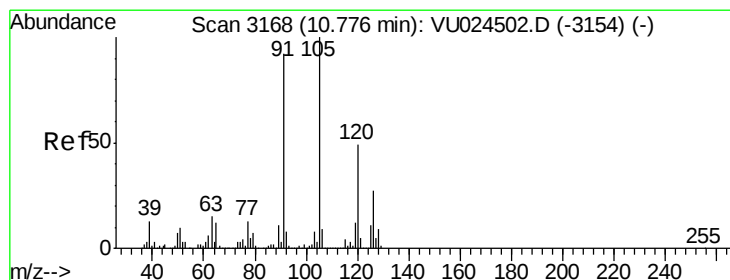
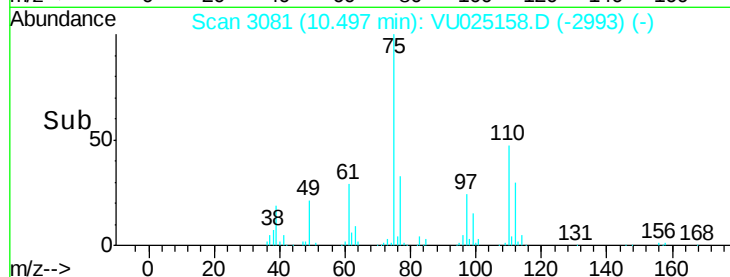
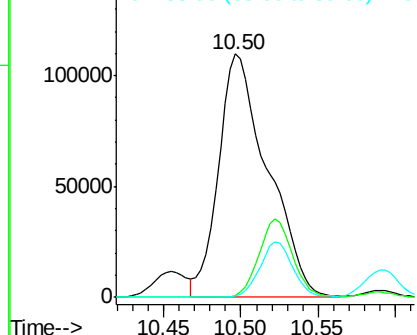
#81
trans-1,4-Dichloro-2-butene
Concen: 173.923 ug/l
RT: 10.50 min Scan# 3081
Delta R.T. -0.02 min
Lab File: VU025158.D
Acq: 02 Jul 2018 21:19

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion: 75 Resp: 241719
Ion Ratio Lower Upper
75 100
53 0.0 0.0 0.0
89 0.0 0.0 0.0

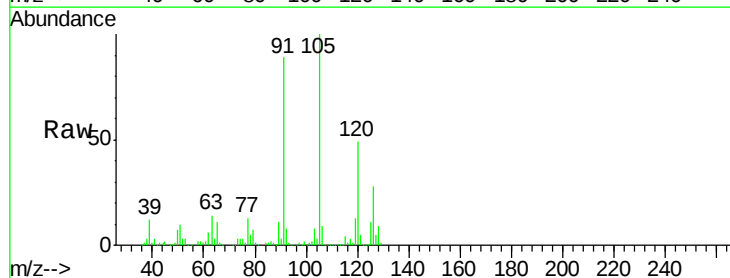


Abundance Ion 74.90 (74.60 to 75.60): VU0
Ion 53.00 (52.70 to 53.70): VU0
Ion 88.90 (88.60 to 89.60): VU0

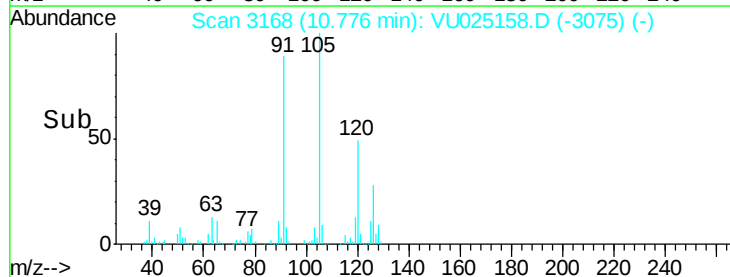
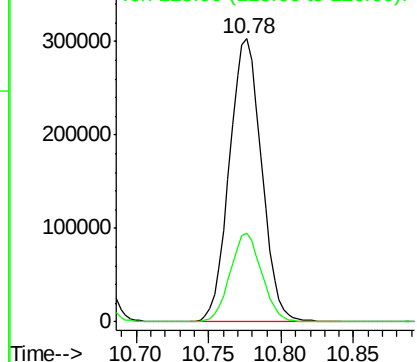


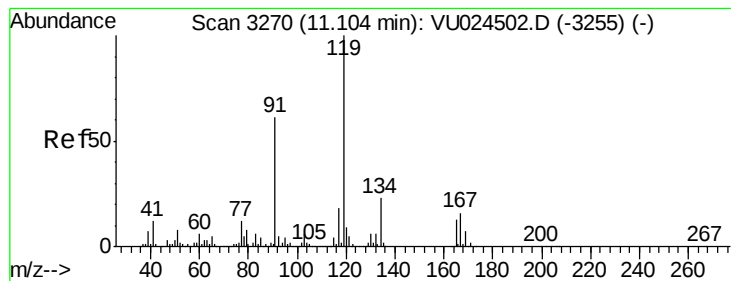
#82
4-Chlorotoluene
Concen: 51.426 ug/l
RT: 10.78 min Scan# 3168
Delta R.T. 0.00 min
Lab File: VU025158.D
Acq: 02 Jul 2018 21:19

Tgt Ion: 91 Resp: 466400
Ion Ratio Lower Upper
91 100
126 30.8 14.9 44.9



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





#83

tert-Butylbenzene

Concen: 54.025 ug/l

RT: 11.10 min Scan# 3270

Delta R.T. 0.00 min

Lab File: VU025158.D

Acq: 02 Jul 2018 21:19

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

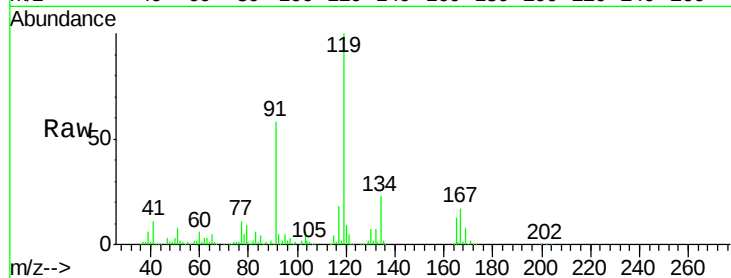
Tot Ion:119 Resp: 505249

Ion Ratio Lower Upper

119 100

91 59.3 29.7 89.1

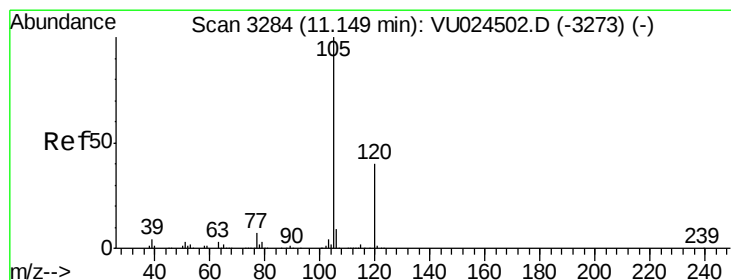
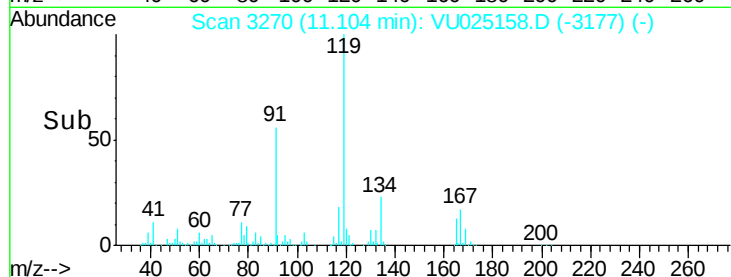
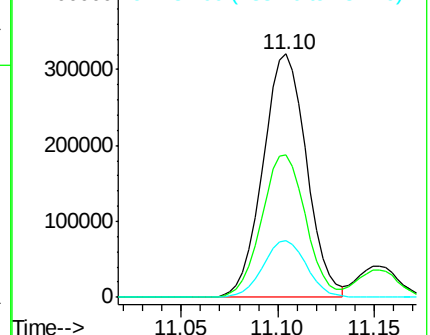
134 23.1 11.6 34.7



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: 52.679 ug/l

RT: 11.15 min Scan# 3285

Delta R.T. 0.00 min

Lab File: VU025158.D

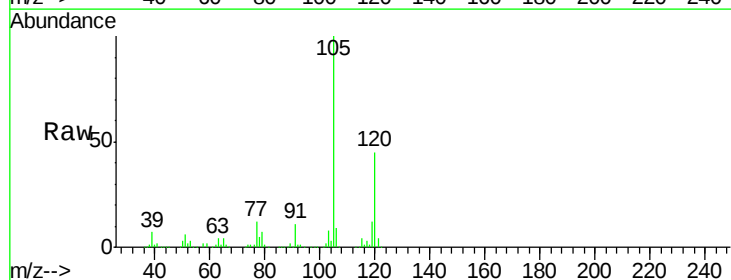
Acq: 02 Jul 2018 21:19

Tgt Ion:105 Resp: 521932

Ion Ratio Lower Upper

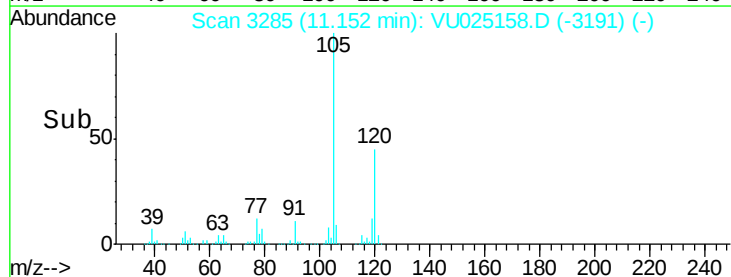
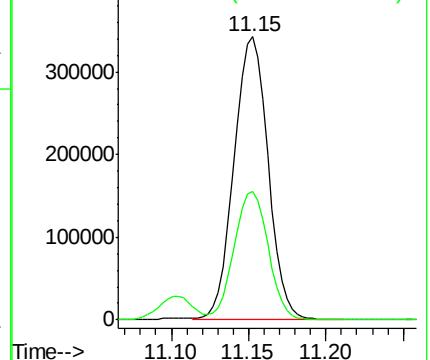
105 100

120 45.5 22.6 67.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

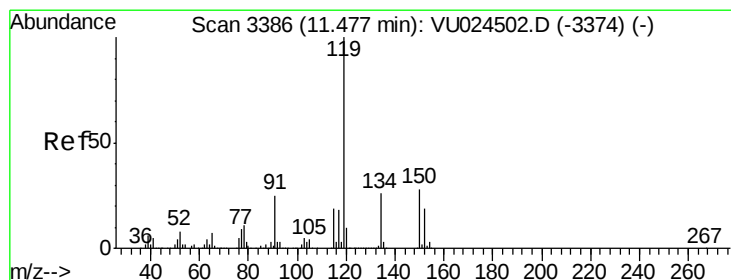
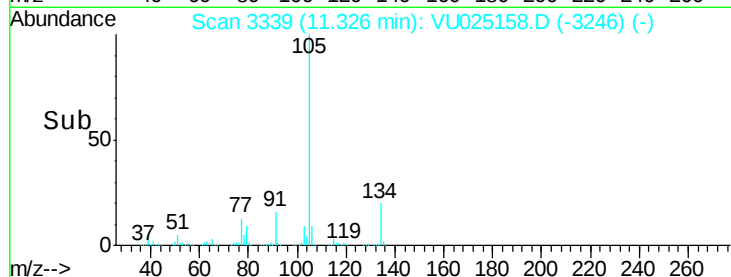
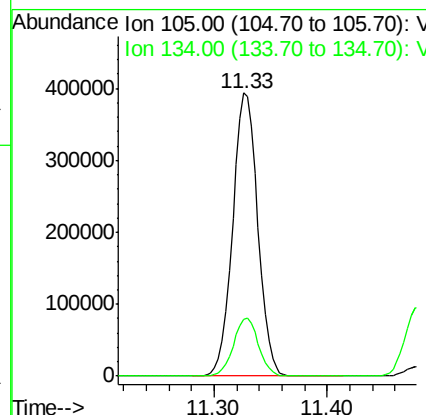
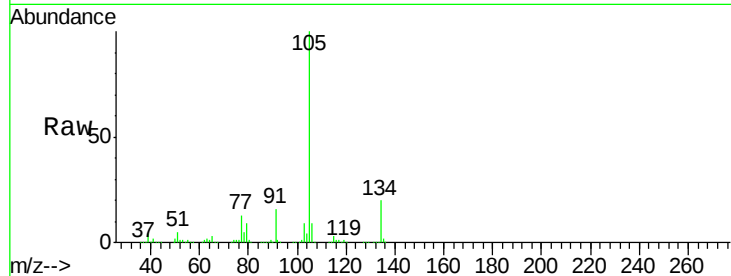




#85
 sec-Butylbenzene
 Concen: 51.799 ug/l
 RT: 11.33 min Scan# 3339
 Delta R.T. 0.00 min
 Lab File: VU025158.D
 Acq: 02 Jul 2018 21:19

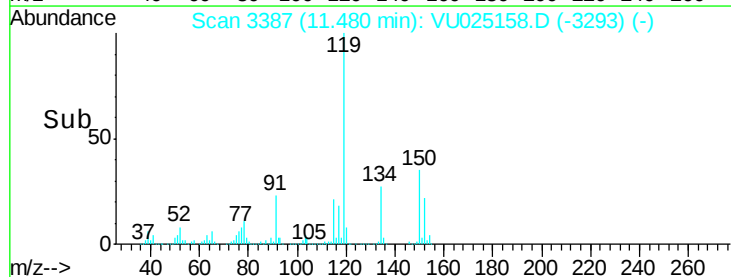
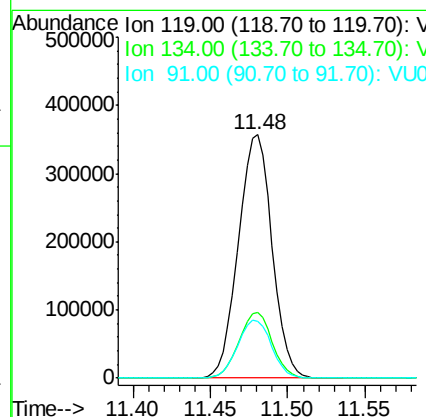
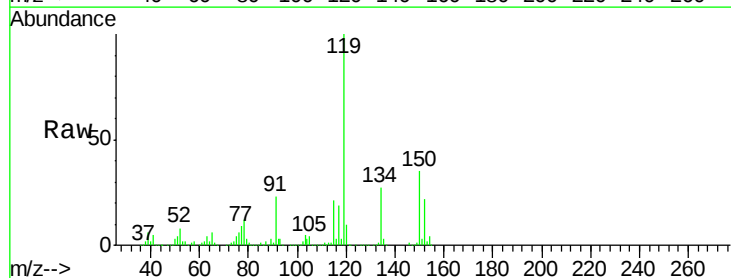
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

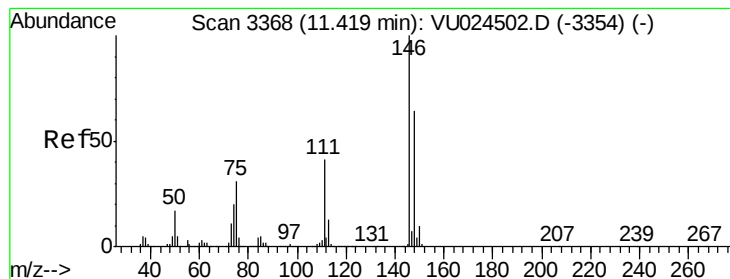
Tot Ion:105 Resp: 606373
 Ion Ratio Lower Upper
 105 100
 134 20.4 9.7 29.1



#86
 p-Isopropyltoluene
 Concen: 51.350 ug/l
 RT: 11.48 min Scan# 3387
 Delta R.T. 0.00 min
 Lab File: VU025158.D
 Acq: 02 Jul 2018 21:19

Tgt Ion:119 Resp: 538367
 Ion Ratio Lower Upper
 119 100
 134 26.8 12.9 38.6
 91 24.0 12.0 36.1





#87

1,3-Dichlorobenzene

Concen: 52.775 ug/l

RT: 11.42 min Scan# 3368

Delta R.T. 0.00 min

Lab File: VU025158.D

Acq: 02 Jul 2018 21:19

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

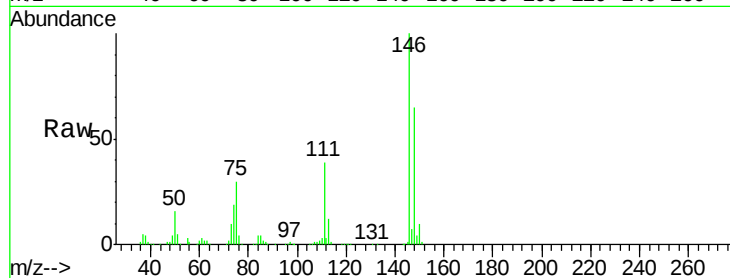
Tot Ion:146 Resp: 276878

Ion Ratio Lower Upper

146 100

111 39.7 20.0 60.0

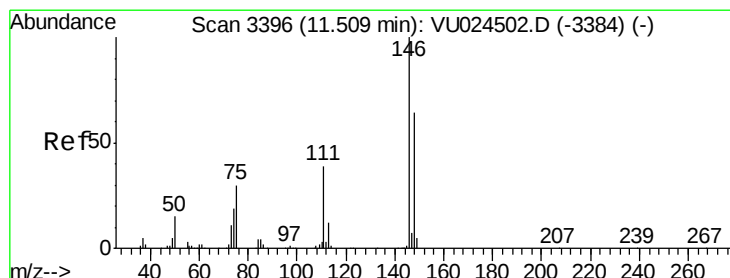
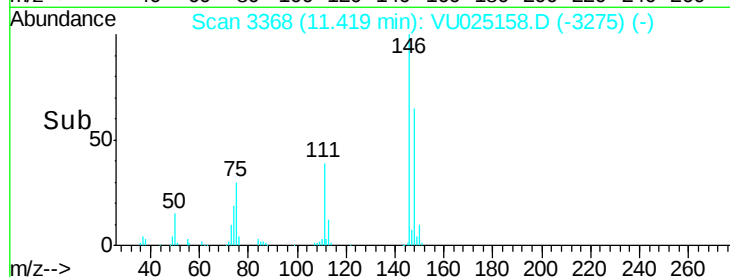
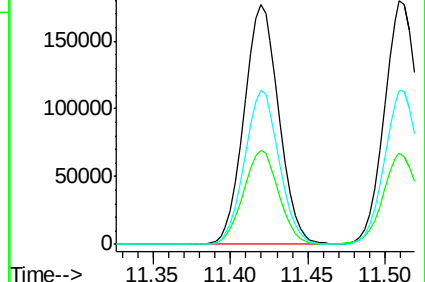
148 63.8 32.1 96.5



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#88

1,4-Dichlorobenzene

Concen: 52.577 ug/l

RT: 11.51 min Scan# 3396

Delta R.T. 0.00 min

Lab File: VU025158.D

Acq: 02 Jul 2018 21:19

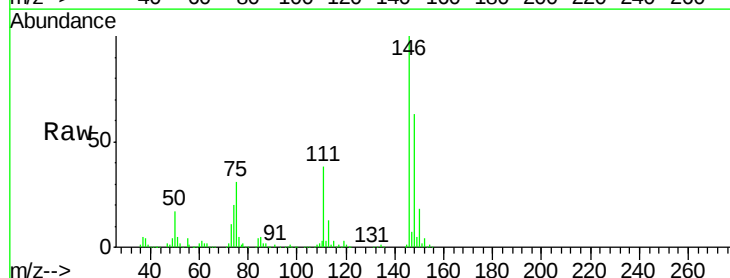
Tgt Ion:146 Resp: 277636

Ion Ratio Lower Upper

146 100

111 38.7 19.5 58.5

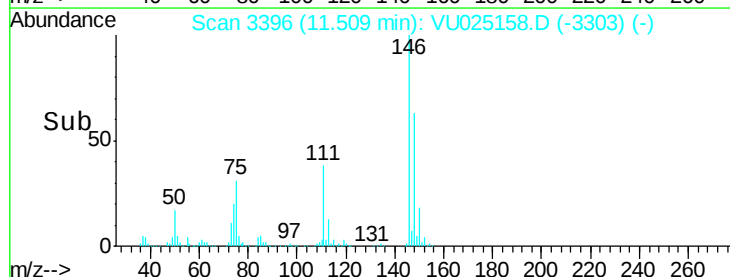
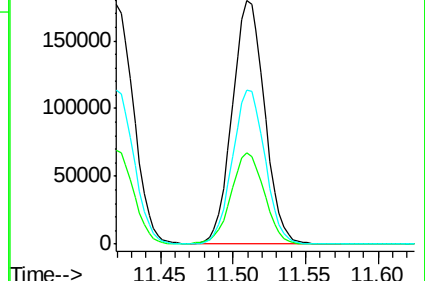
148 63.8 32.4 97.0

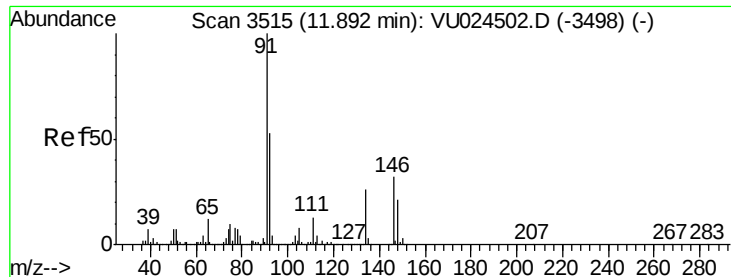


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V





#89

n-Butylbenzene

Concen: 46.571 ug/l

RT: 11.89 min Scan# 3515

Delta R.T. 0.00 min

Lab File: VU025158.D

Acq: 02 Jul 2018 21:19

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

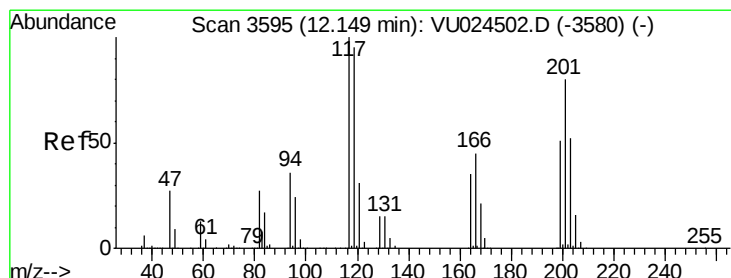
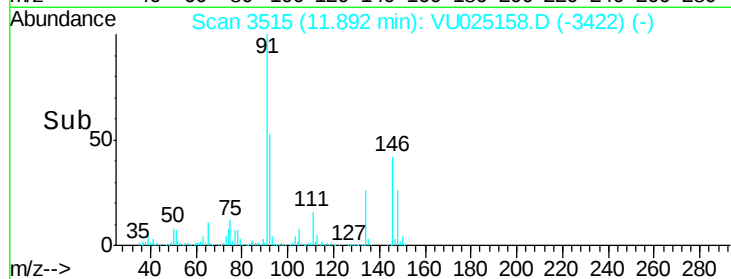
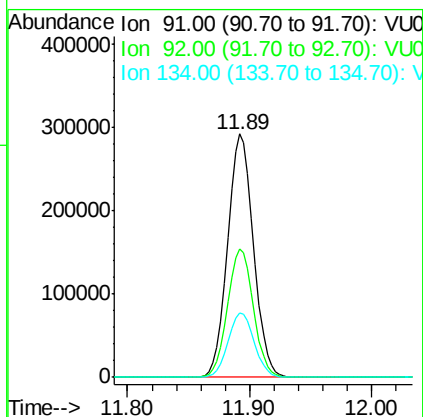
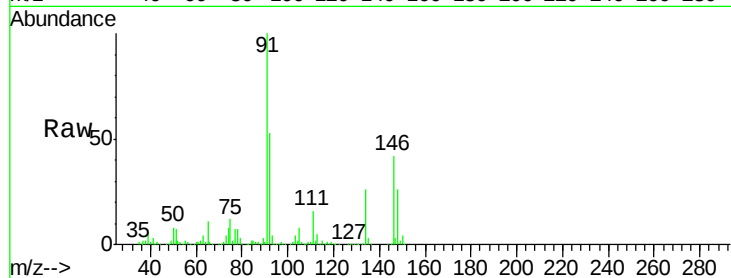
Tot Ion: 91 Resp: 433494

Ion Ratio Lower Upper

91 100

92 52.8 25.6 76.8

134 26.8 12.3 36.8



#90

Hexachloroethane

Concen: 48.432 ug/l

RT: 12.15 min Scan# 3595

Delta R.T. 0.00 min

Lab File: VU025158.D

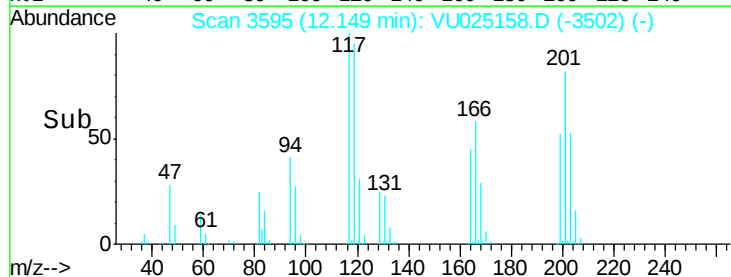
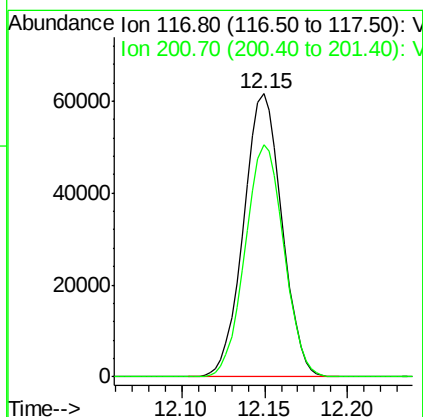
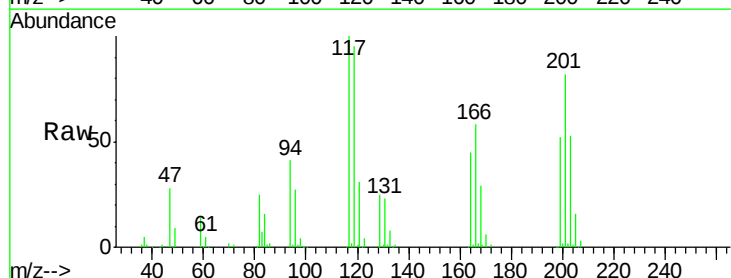
Acq: 02 Jul 2018 21:19

Tgt Ion: 117 Resp: 99056

Ion Ratio Lower Upper

117 100

201 82.9 41.1 123.3





#91

1,2-Dichlorobenzene

Concen: 54.209 ug/l

RT: 11.88 min Scan# 3512

Delta R.T. 0.00 min

Lab File: VU025158.D

Acq: 02 Jul 2018 21:19

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

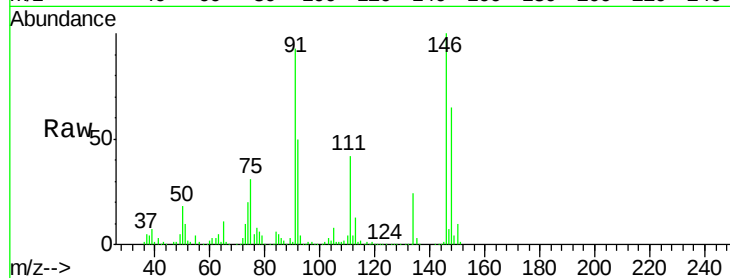
Tot Ion:146 Resp: 284863

Ion Ratio Lower Upper

146 100

111 41.2 20.5 61.6

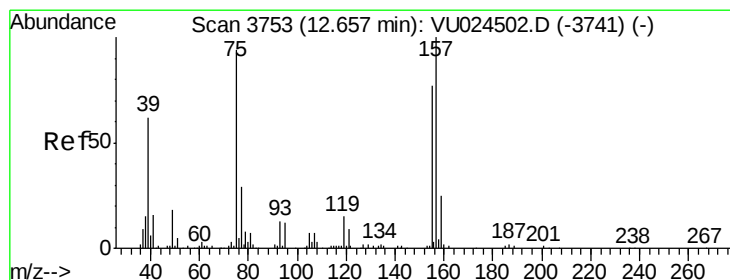
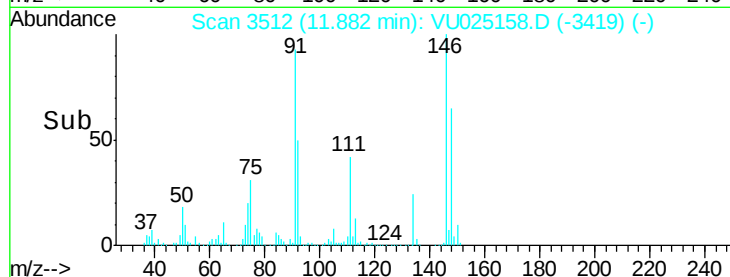
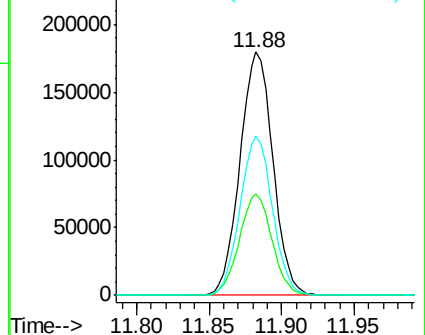
148 64.2 31.9 95.7



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: 54.650 ug/l

RT: 12.66 min Scan# 3754

Delta R.T. 0.00 min

Lab File: VU025158.D

Acq: 02 Jul 2018 21:19

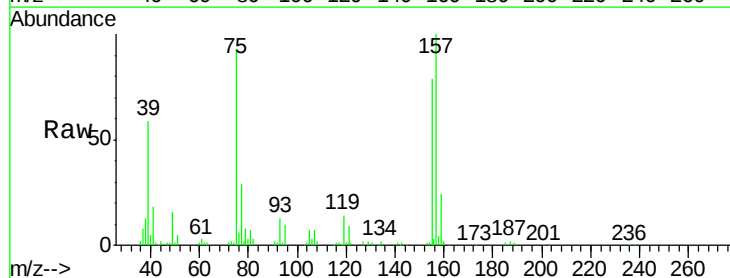
Tgt Ion: 75 Resp: 56681

Ion Ratio Lower Upper

75 100

155 84.1 40.4 121.2

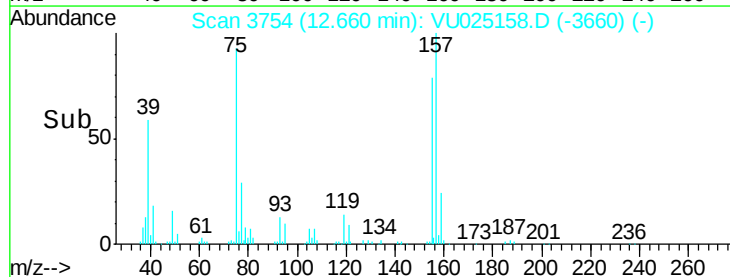
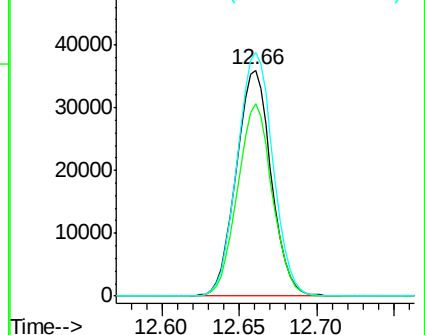
157 110.0 52.3 156.8



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

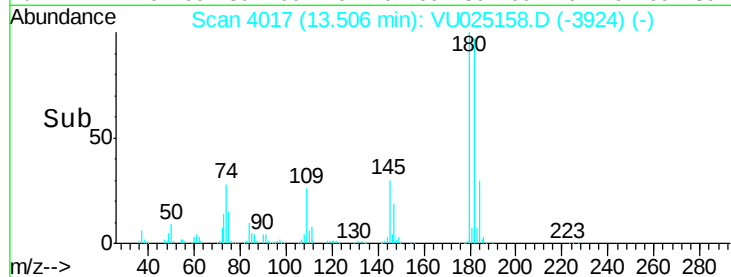
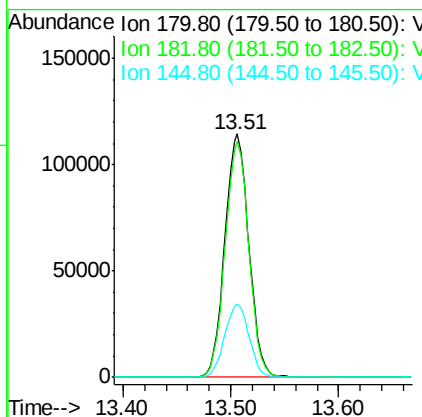
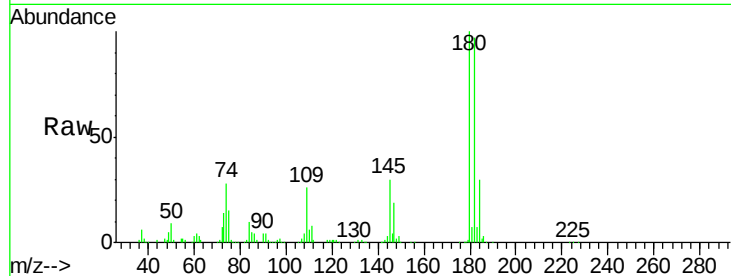




#93
 1,2,4-Trichlorobenzene
 Concen: 54.742 ug/l
 RT: 13.51 min Scan# 4017
 Delta R.T. 0.00 min
 Lab File: VU025158.D
 Acq: 02 Jul 2018 21:19

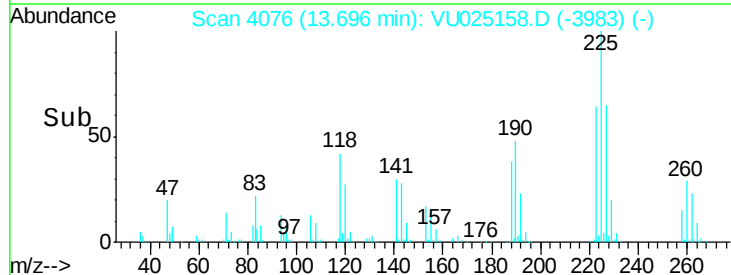
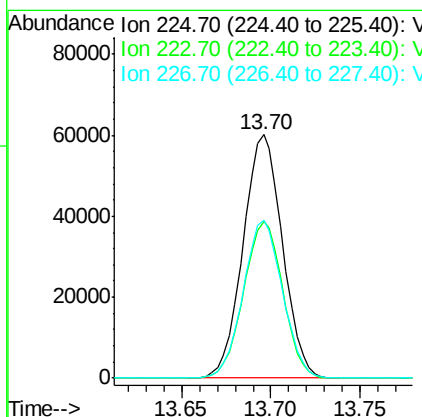
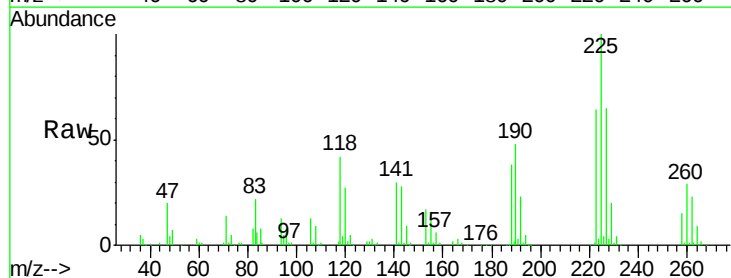
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:180 Resp: 177639
 Ion Ratio Lower Upper
 180 100
 182 95.2 48.0 144.2
 145 30.6 14.7 44.1



#94
 Hexachlorobutadiene
 Concen: 50.918 ug/l
 RT: 13.70 min Scan# 4076
 Delta R.T. 0.00 min
 Lab File: VU025158.D
 Acq: 02 Jul 2018 21:19

Tgt Ion:225 Resp: 93001
 Ion Ratio Lower Upper
 225 100
 223 63.9 31.3 93.8
 227 64.8 31.8 95.4





#95

Naphthalene

Concen: 57.100 ug/l

RT: 13.74 min Scan# 4091

Delta R.T. 0.00 min

Lab File: VU025158.D

Acq: 02 Jul 2018 21:19

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

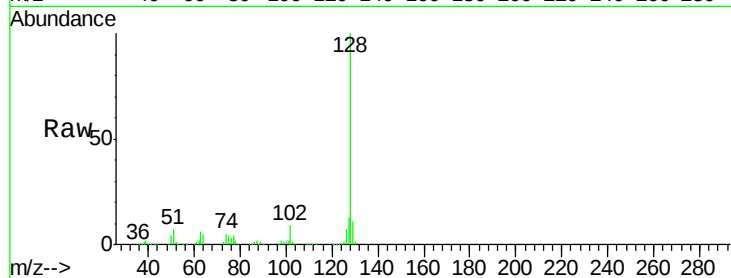
Tot Ion:128 Resp: 614465

Ion Ratio Lower Upper

128 100

127 12.7 10.6 16.0

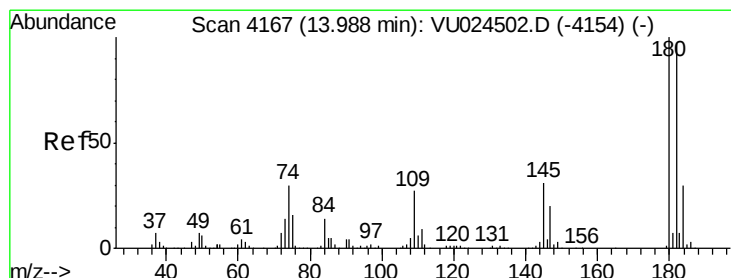
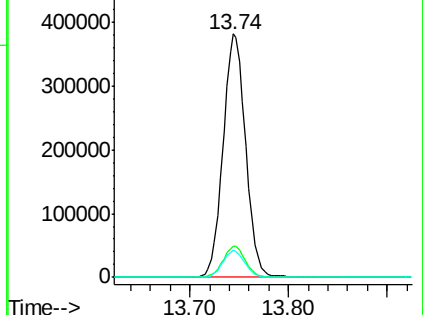
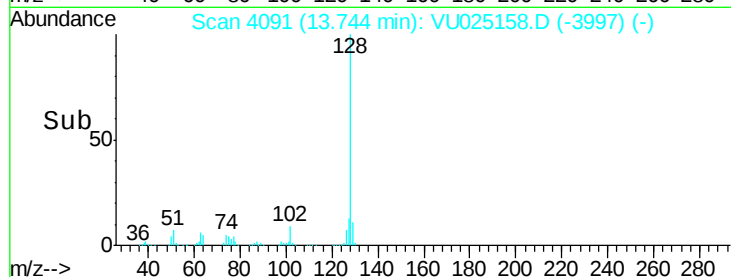
129 11.0 8.6 12.8



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: 58.140 ug/l

RT: 13.99 min Scan# 4168

Delta R.T. 0.00 min

Lab File: VU025158.D

Acq: 02 Jul 2018 21:19

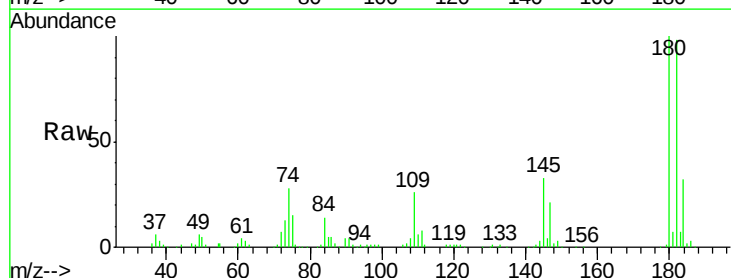
Tgt Ion:180 Resp: 187995

Ion Ratio Lower Upper

180 100

182 97.4 47.9 143.7

145 31.8 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

