

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU062518\
 Data File : VU024868.D
 Acq On : 25 Jun 2018 12:29
 Operator : MD/SY
 Sample : VU0625WBS01
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Jun 26 05:12:23 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	180196	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	271767	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	251038	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.49	152	146246	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	139385	47.38	ug/l	0.00
Spiked Amount			Recovery	=	94.76%	
35) Dibromofluoromethane	4.89	113	112408	49.84	ug/l	0.00
Spiked Amount			Recovery	=	99.68%	
50) Toluene-d8	7.57	98	389112	47.30	ug/l	0.00
Spiked Amount			Recovery	=	94.60%	
62) 4-Bromofluorobenzene	10.31	95	153036	46.85	ug/l	0.00
Spiked Amount			Recovery	=	93.70%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	39492	17.51	ug/l	99
3) Chloromethane	1.33	50	39266	17.04	ug/l	97
4) Vinyl Chloride	1.40	62	42777	18.00	ug/l	98
5) Bromomethane	1.62	94	27762	24.17	ug/l	95
6) Chloroethane	1.70	64	29150	21.35	ug/l	100
7) Trichlorofluoromethane	1.89	101	72102	19.88	ug/l	97
8) Diethyl Ether	2.10	74	26640	20.47	ug/l	87
9) 1,1,2-Trichlorotrifluoroet	2.29	101	42001	18.67	ug/l	98
10) Methyl Iodide	2.41	142	30720	19.72	ug/l	99
11) Tert butyl alcohol	2.82	59	62823	87.81	ug/l	100
12) 1,1-Dichloroethene	2.28	96	38023	18.53	ug/l	93
13) Acrolein	2.19	56	29057	77.34	ug/l	96
14) Allyl chloride	2.60	41	65477	17.19	ug/l	97
15) Acrylonitrile	2.93	53	130403	93.68	ug/l	99
16) Acetone	2.32	43	148336	93.85	ug/l	99
17) Carbon Disulfide	2.48	76	103771	15.79	ug/l	99
18) Methyl Acetate	2.62	43	70889	20.92	ug/l	98
19) Methyl tert-butyl Ether	3.00	73	150205	19.48	ug/l	97
20) Methylene Chloride	2.70	84	46313	18.67	ug/l	95
21) trans-1,2-Dichloroethene	2.99	96	41075	18.18	ug/l	97
22) Diisopropyl ether	3.57	45	146161	19.35	ug/l	92
23) Vinyl Acetate	3.53	43	637684	94.26	ug/l	98
24) 1,1-Dichloroethane	3.45	63	82355	18.96	ug/l	98
25) 2-Butanone	4.26	43	202088	95.19	ug/l	98
26) 2,2-Dichloropropane	4.23	77	80583	19.53	ug/l	98
27) cis-1,2-Dichloroethene	4.23	96	50576	19.47	ug/l	100
28) Bromochloromethane	4.55	49	35744	18.68	ug/l	87
29) Tetrahydrofuran	4.64	42	120733	91.83	ug/l	97
30) Chloroform	4.68	83	86371	19.64	ug/l	99
31) Cyclohexane	5.00	56	75796	18.40	ug/l	92
32) 1,1,1-Trichloroethane	4.92	97	78896	19.40	ug/l	96
36) 1,1-Dichloropropene	5.14	75	60596	18.97	ug/l	98
37) Ethyl Acetate	4.38	43	71517	20.55	ug/l	97
38) Carbon Tetrachloride	5.14	117	69175	19.70	ug/l	97

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Quant Time: Jun 26 05:12:23 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)
39) Methylcyclohexane	6.42	83	76964	19.31	ug/l	94
40) Benzene	5.39	78	180663	19.85	ug/l	99
41) Methacrylonitrile	4.54	41	38911	20.73	ug/l	96
42) 1,2-Dichloroethane	5.41	62	71012	20.49	ug/l	99
43) Isopropyl Acetate	5.55	43	116706	19.40	ug/l	99
44) Trichloroethene	6.19	130	49865	19.25	ug/l	94
45) 1,2-Dichloropropane	6.44	63	49458	20.37	ug/l	99
46) Dibromomethane	6.56	93	35245	20.67	ug/l	97
47) Bromodichloromethane	6.76	83	67842	19.98	ug/l	98
48) Methyl methacrylate	6.63	41	58706	20.04	ug/l	96
49) 1,4-Dioxane	6.62	88	27435	478.85	ug/l	96
51) 4-Methyl-2-Pentanone	7.46	43	379271	100.34	ug/l	99
52) Toluene	7.64	92	116478	19.90	ug/l	99
53) t-1,3-Dichloropropene	7.88	75	74463	19.52	ug/l	99
54) cis-1,3-Dichloropropene	7.27	75	76470	18.82	ug/l	96
55) 1,1,2-Trichloroethane	8.07	97	48503	20.38	ug/l	96
56) Ethyl methacrylate	8.02	69	78953	19.82	ug/l	97
57) 1,3-Dichloropropane	8.25	76	82315	20.50	ug/l	98
58) 2-Chloroethyl Vinyl ether	7.13	63	90941	59.60	ug/l	95
59) 2-Hexanone	8.36	43	305044	98.85	ug/l	100
60) Dibromochloromethane	8.48	129	56040	18.88	ug/l	99
61) 1,2-Dibromoethane	8.59	107	51963	19.62	ug/l	98
64) Tetrachloroethene	8.23	164	44720	18.74	ug/l	98
65) Chlorobenzene	9.12	112	129938	20.26	ug/l	99
66) 1,1,1,2-Tetrachloroethane	9.21	131	51103	20.97	ug/l	99
67) Ethyl Benzene	9.25	91	227321	20.22	ug/l	99
68) m/p-Xylenes	9.38	106	174373	40.39	ug/l	98
69) o-Xylene	9.78	106	87727	20.53	ug/l	96
70) Styrene	9.80	104	140083	19.95	ug/l	98
71) Bromoform	9.96	173	43545	18.80	ug/l #	100
73) Isopropylbenzene	10.17	105	235769	21.00	ug/l	99
74) N-amyl acetate	10.01	43	103923	19.46	ug/l	98
75) 1,1,2,2-Tetrachloroethane	10.46	83	81641	21.70	ug/l	99
76) 1,2,3-Trichloropropane	10.50	75	92721	28.80	ug/l	82
77) Bromobenzene	10.45	156	59945	21.09	ug/l	95
78) n-propylbenzene	10.59	91	264047	19.96	ug/l	97
79) 2-Chlorotoluene	10.66	91	162001	20.77	ug/l	98
80) 1,3,5-Trimethylbenzene	10.78	105	201372	20.69	ug/l	100
81) trans-1,4-Dichloro-2-buten	10.50	75	92721	66.65	ug/l #	100
82) 4-Chlorotoluene	10.78	91	185617	20.45	ug/l	98
83) tert-Butylbenzene	11.10	119	204147	21.81	ug/l	100
84) 1,2,4-Trimethylbenzene	11.15	105	205072	20.68	ug/l	99
85) sec-Butylbenzene	11.33	105	239912	20.47	ug/l	98
86) p-Isopropyltoluene	11.48	119	213496	20.34	ug/l	98
87) 1,3-Dichlorobenzene	11.42	146	108764	20.71	ug/l	99
88) 1,4-Dichlorobenzene	11.51	146	107196	20.28	ug/l	99
89) n-Butylbenzene	11.89	91	172422	18.51	ug/l	98
90) Hexachloroethane	12.15	117	39808	19.44	ug/l	99
91) 1,2-Dichlorobenzene	11.88	146	113228	21.53	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.66	75	20348	19.60	ug/l	92

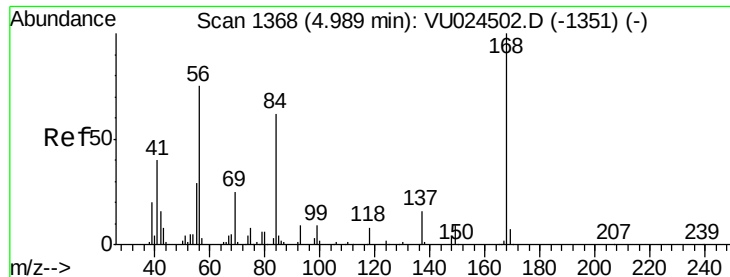
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA U\DATA\VU062518\
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Quant Title : SW846 8260
QLast Update : Wed Jun 13 13:55:26 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.51	180	70536	21.71	ug/l	99
94) Hexachlorobutadiene	13.70	225	38395	21.00	ug/l	98
95) Naphthalene	13.74	128	232471	22.00	ug/l	99
96) 1,2,3-Trichlorobenzene	13.99	180	75411	23.30	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 4.99 min Scan# 1368

Delta R.T. -0.00 min

Lab File: VU024868.D

Acq: 25 Jun 2018 12:29

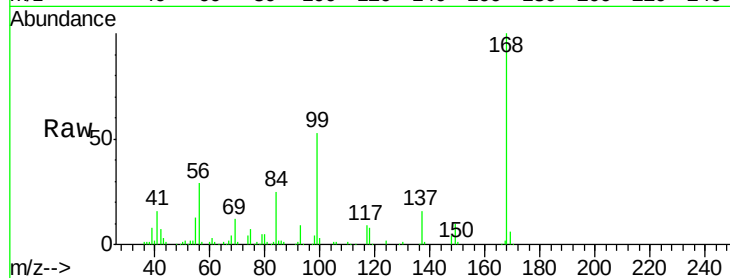
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion:168 Resp: 180196

Ion Ratio Lower Upper

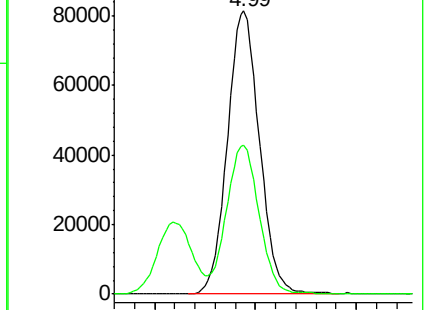
168 100

99 52.4 43.2 64.8

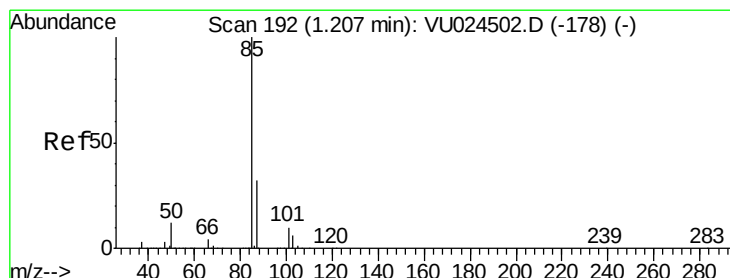
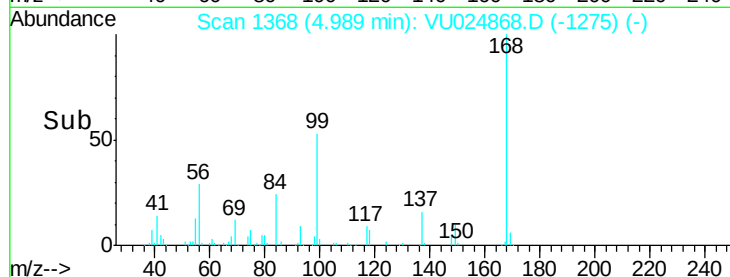


Abundance Ion 167.90 (167.60 to 168.60): VU024502.D (-1351) (-)

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



Time-->



#2

Dichlorodifluoromethane

Concen: 17.51 ug/l

RT: 1.20 min Scan# 191

Delta R.T. -0.00 min

Lab File: VU024868.D

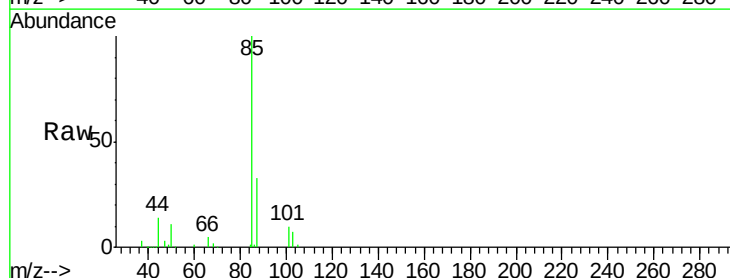
Acq: 25 Jun 2018 12:29

Tgt Ion: 85 Resp: 39492

Ion Ratio Lower Upper

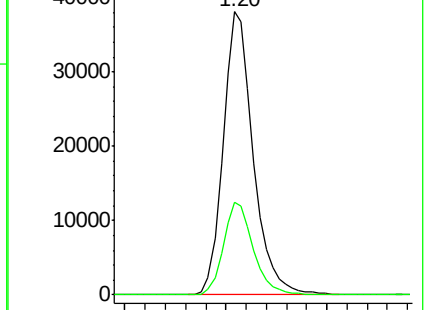
85 100

87 32.6 16.1 48.2

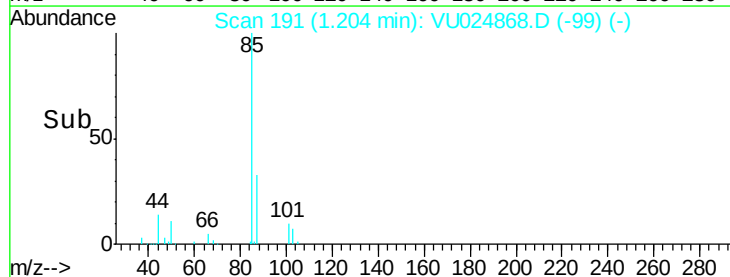


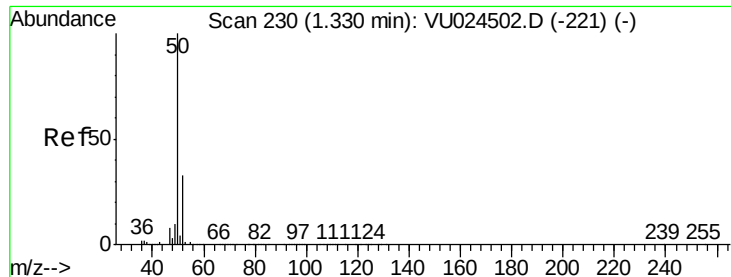
Abundance Ion 84.90 (84.60 to 85.60): VU024502.D (-178) (-)

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



Time-->





#3

Chloromethane

Concen: 17.04 ug/l

RT: 1.33 min Scan# 229

Delta R.T. -0.00 min

Lab File: VU024868.D

Acq: 25 Jun 2018 12:29

Instrument :

MSVOA_U

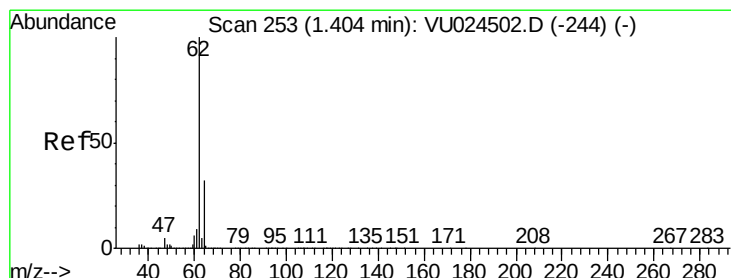
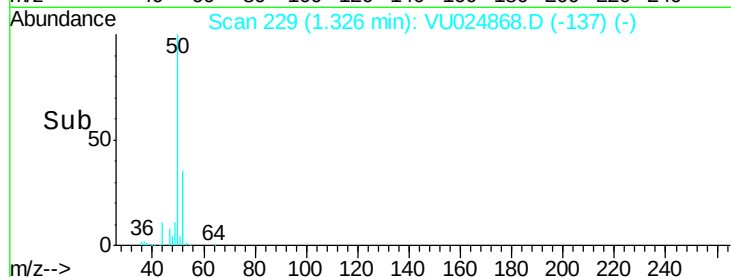
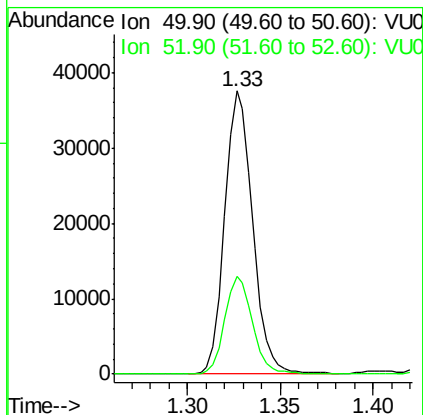
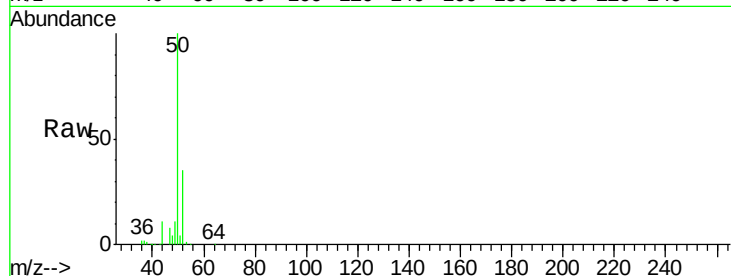
ClientSampleId :

Tot Ion: 50 Resp: 39266

Ion Ratio Lower Upper

50 100

52 34.6 26.4 39.6



#4

Vinyl Chloride

Concen: 18.00 ug/l

RT: 1.40 min Scan# 253

Delta R.T. -0.00 min

Lab File: VU024868.D

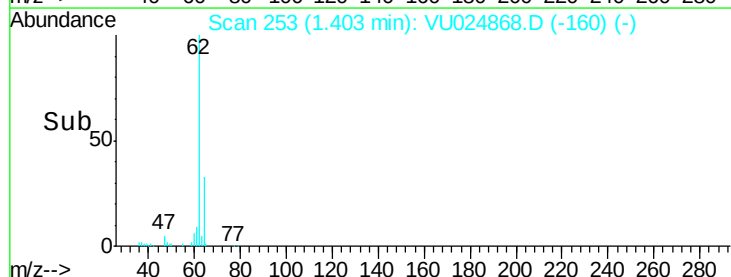
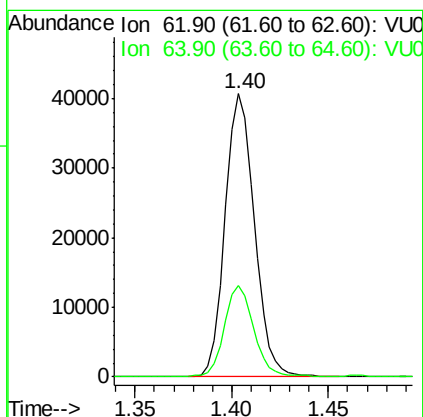
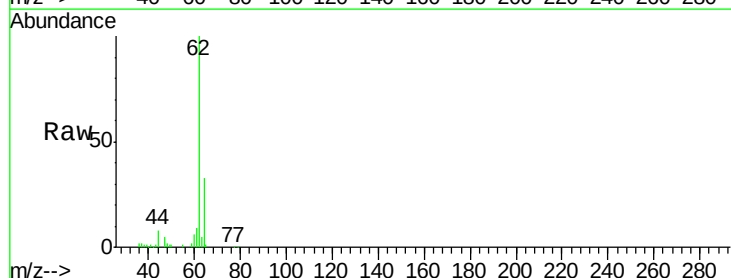
Acq: 25 Jun 2018 12:29

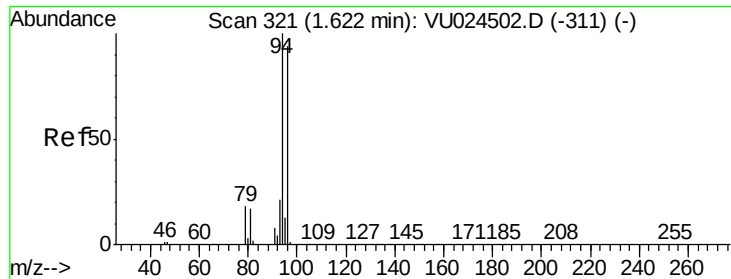
Tgt Ion: 62 Resp: 42777

Ion Ratio Lower Upper

62 100

64 32.2 24.8 37.2





#5

Bromomethane

Concen: 24.17 ug/l

RT: 1.62 min Scan# 321

Delta R.T. -0.00 min

Lab File: VU024868.D

Acq: 25 Jun 2018 12:29

Instrument :

MSVOA_U

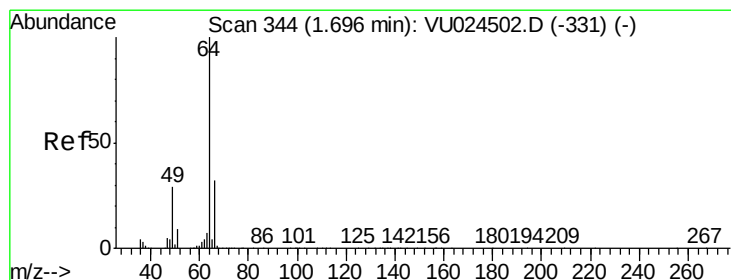
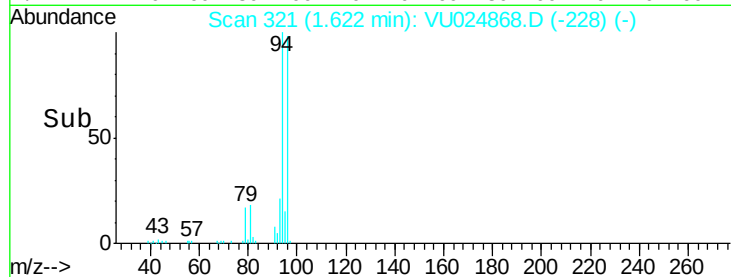
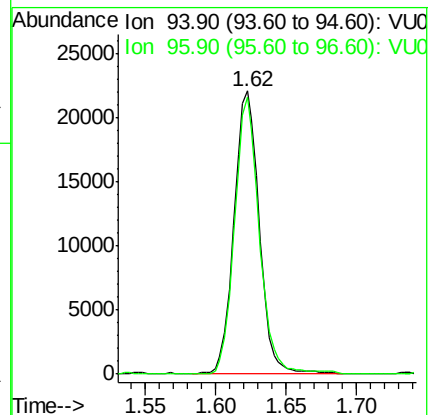
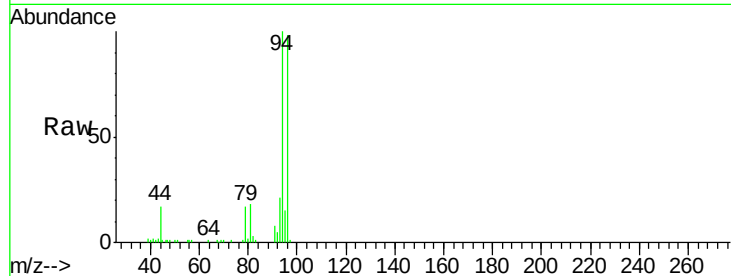
ClientSampleId :

Tot Ion: 94 Resp: 27762

Ion Ratio Lower Upper

94 100

96 97.8 74.5 111.7



#6

Chloroethane

Concen: 21.35 ug/l

RT: 1.70 min Scan# 344

Delta R.T. 0.00 min

Lab File: VU024868.D

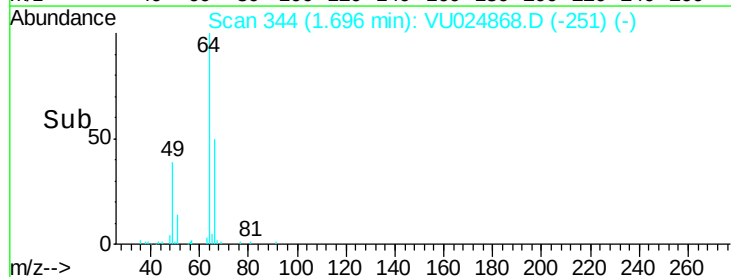
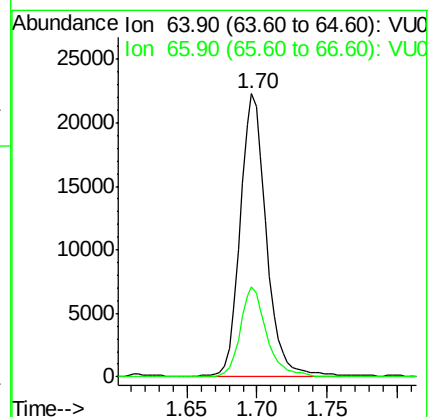
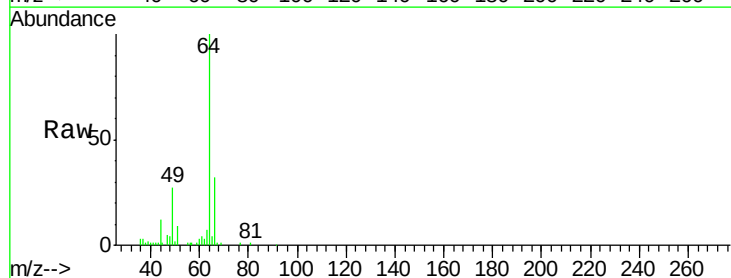
Acq: 25 Jun 2018 12:29

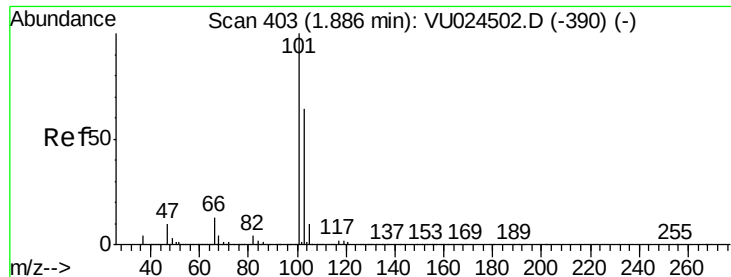
Tgt Ion: 64 Resp: 29150

Ion Ratio Lower Upper

64 100

66 31.8 25.5 38.3





#7

Trichlorofluoromethane

Concen: 19.88 ug/l

RT: 1.89 min Scan# 403

Delta R.T. -0.00 min

Lab File: VU024868.D

Acq: 25 Jun 2018 12:29

Instrument :

MSVOA_U

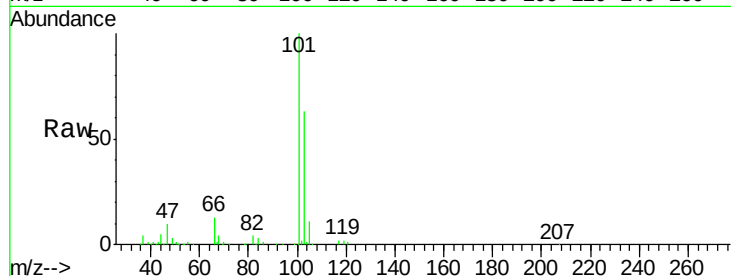
ClientSampleId :

Tot Ion:101 Resp: 72102

Ion Ratio Lower Upper

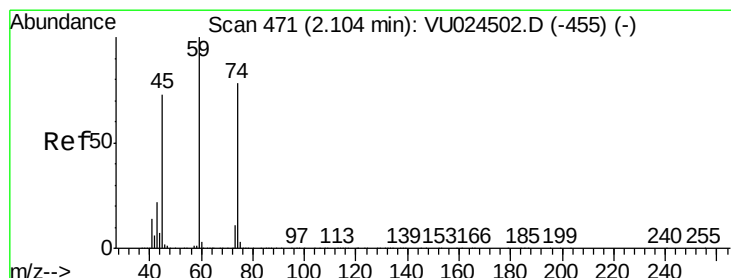
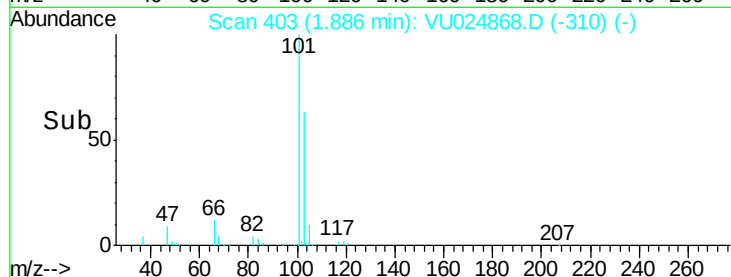
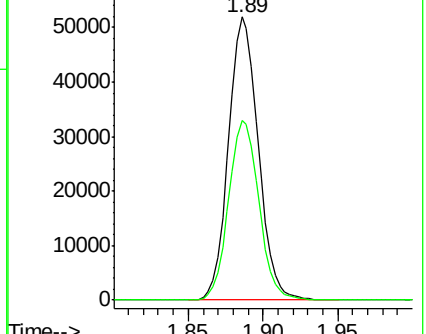
101 100

103 63.3 52.3 78.5



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 102.80 (102.50 to 103.50): V



#8

Diethyl Ether

Concen: 20.47 ug/l

RT: 2.10 min Scan# 471

Delta R.T. 0.00 min

Lab File: VU024868.D

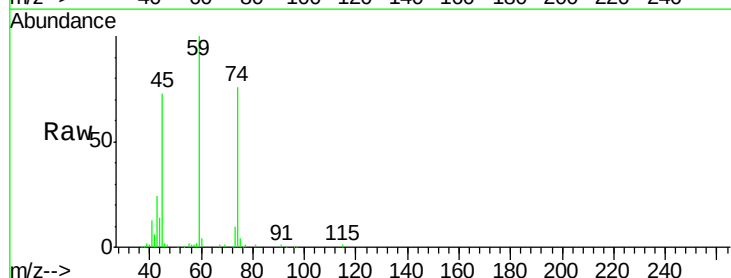
Acq: 25 Jun 2018 12:29

Tgt Ion: 74 Resp: 26640

Ion Ratio Lower Upper

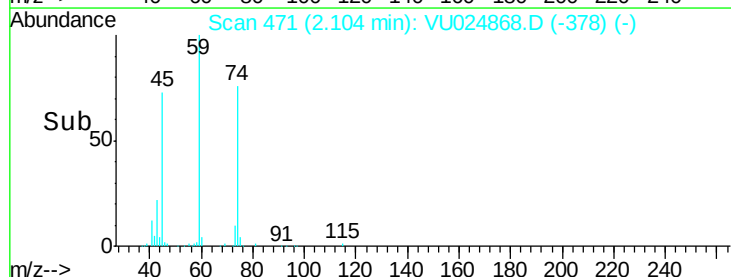
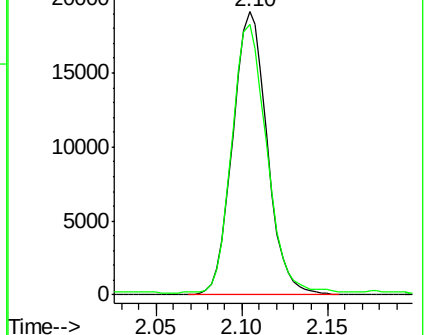
74 100

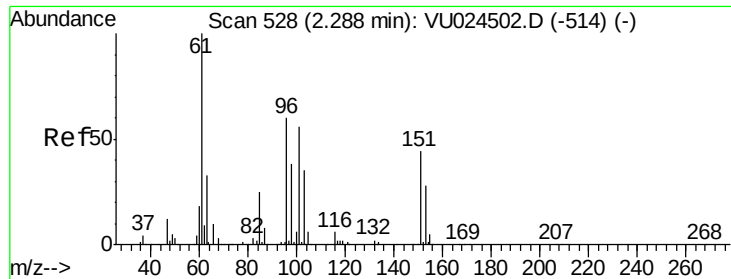
45 96.7 55.0 165.0



Abundance Ion 74.00 (73.70 to 74.70): VU0

Ion 45.00 (44.70 to 45.70): VU0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 18.67 ug/l

RT: 2.29 min Scan# 529

Delta R.T. 0.00 min

Lab File: VU024868.D

Acq: 25 Jun 2018 12:29

Instrument :

MSVOA_U

ClientSampleId :

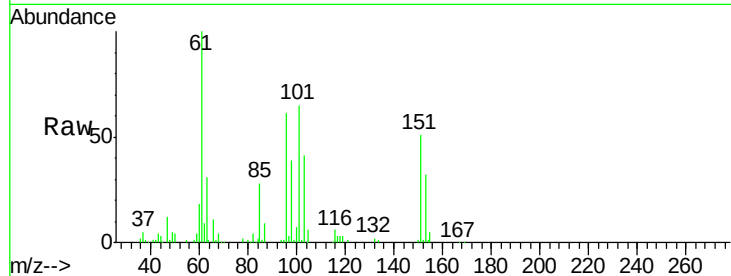
Tot Ion:101 Resp: 42001

Ion Ratio Lower Upper

101 100

85 43.8 36.0 54.0

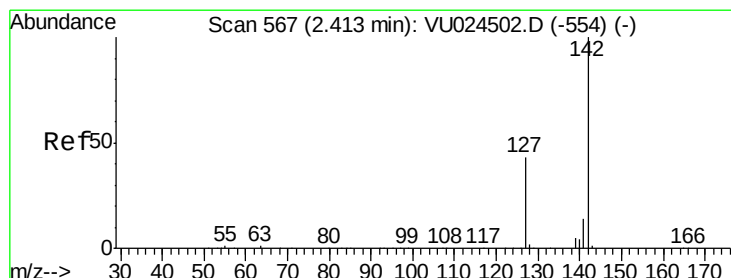
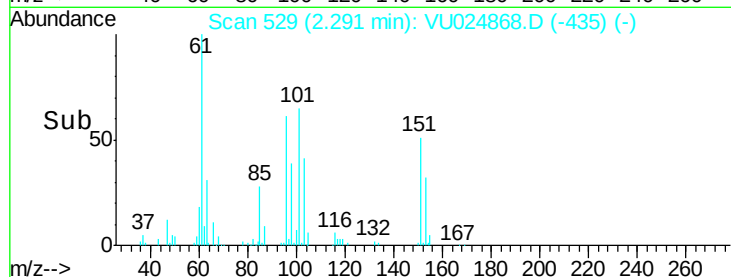
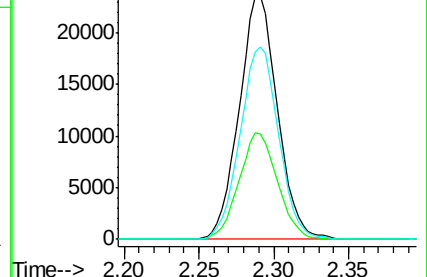
151 79.6 62.3 93.5



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: 19.72 ug/l

RT: 2.41 min Scan# 567

Delta R.T. 0.00 min

Lab File: VU024868.D

Acq: 25 Jun 2018 12:29

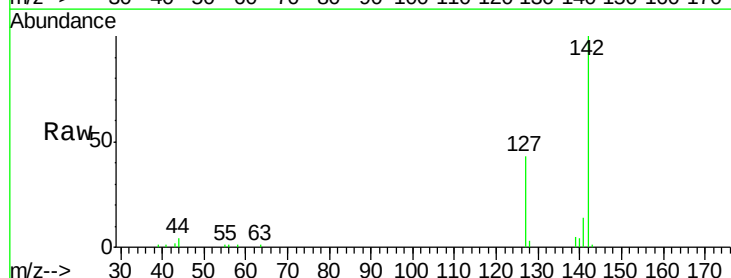
Tgt Ion:142 Resp: 30720

Ion Ratio Lower Upper

142 100

127 44.6 35.6 53.4

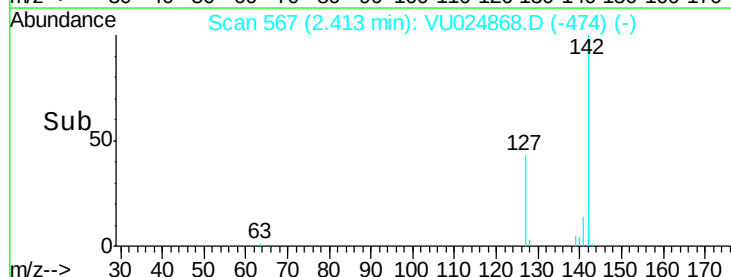
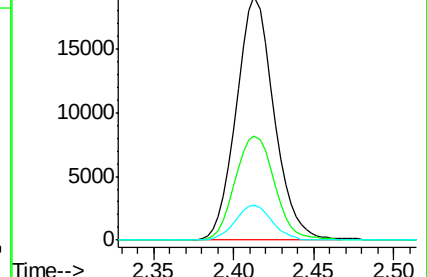
141 13.9 11.7 17.5

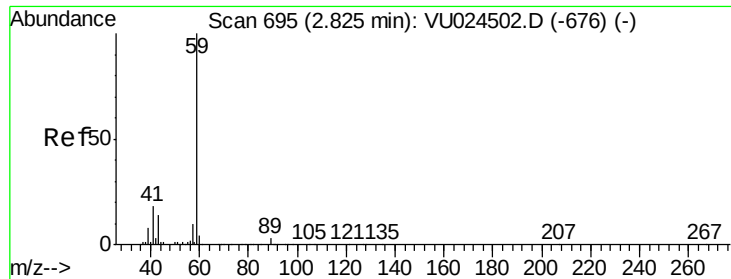


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

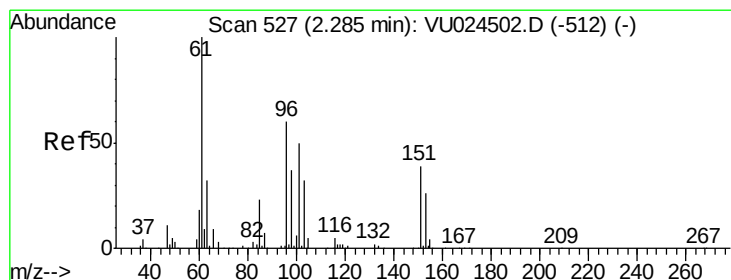
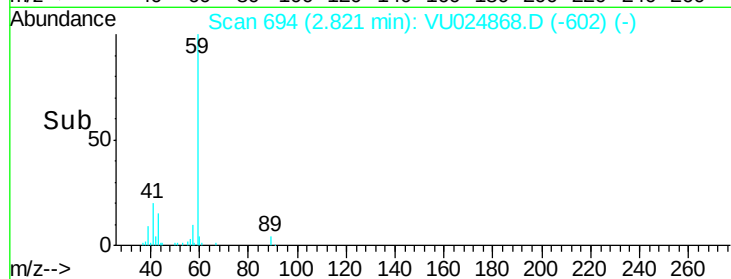
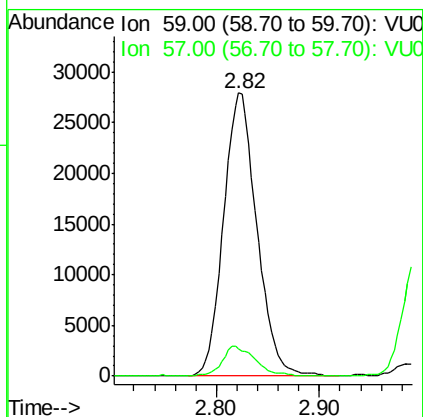
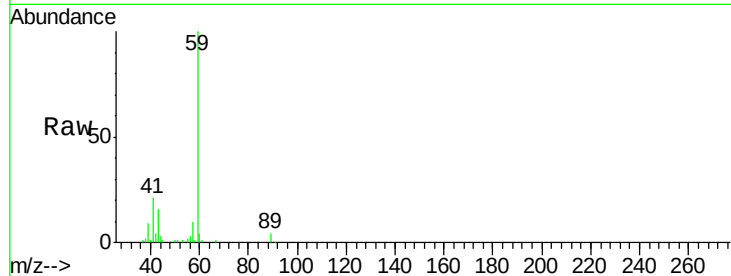




#11
Tert butyl alcohol
Concen: 87.81 ug/l
RT: 2.82 min Scan# 694
Delta R.T. -0.00 min
Lab File: VU024868.D
Acq: 25 Jun 2018 12:29

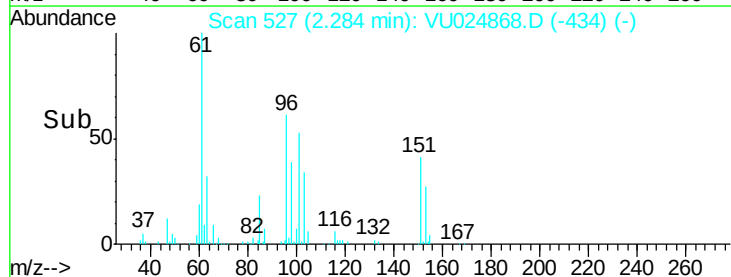
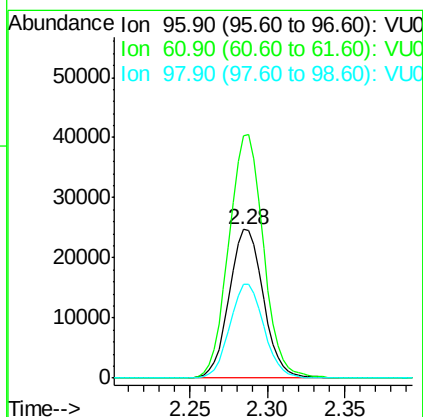
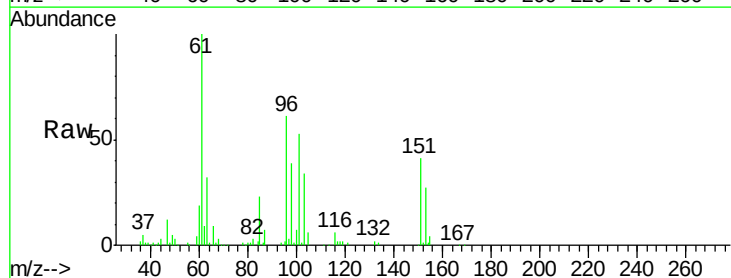
Instrument :
MSVOA_U
ClientSampleId :

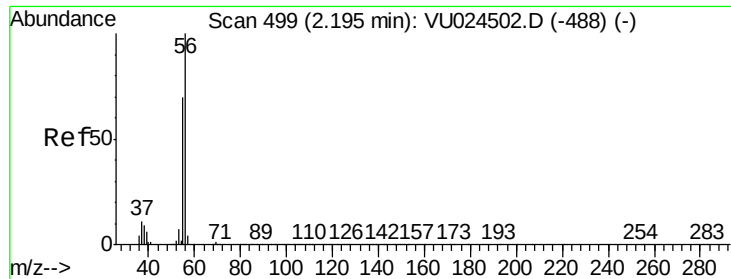
Tot Ion: 59 Resp: 62823
Ion Ratio Lower Upper
59 100
57 10.5 8.5 12.7



#12
1,1-Dichloroethene
Concen: 18.53 ug/l
RT: 2.28 min Scan# 527
Delta R.T. -0.00 min
Lab File: VU024868.D
Acq: 25 Jun 2018 12:29

Tgt Ion: 96 Resp: 38023
Ion Ratio Lower Upper
96 100
61 163.7 141.7 212.5
98 63.1 51.6 77.4

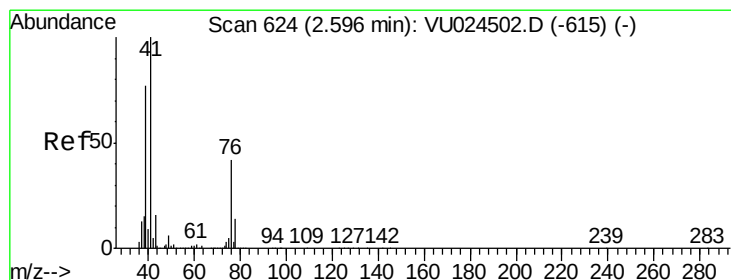
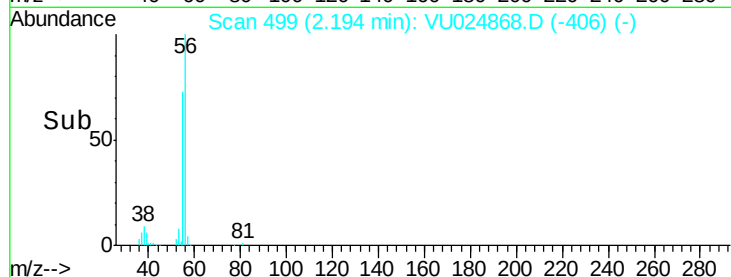
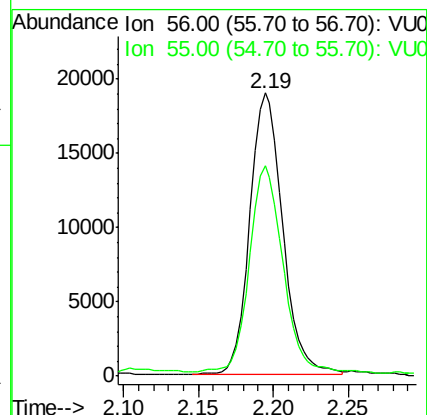
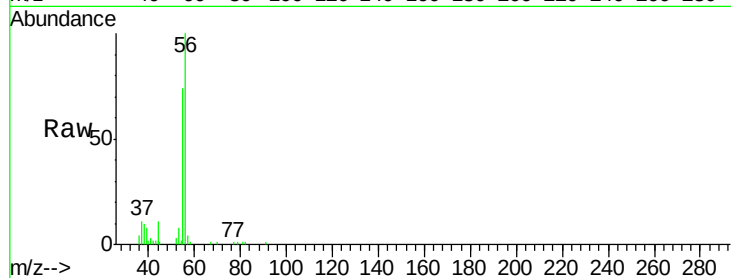




#13
Acrolein
Concen: 77.34 ug/l
RT: 2.19 min Scan# 499
Delta R.T. -0.00 min
Lab File: VU024868.D
Acq: 25 Jun 2018 12:29

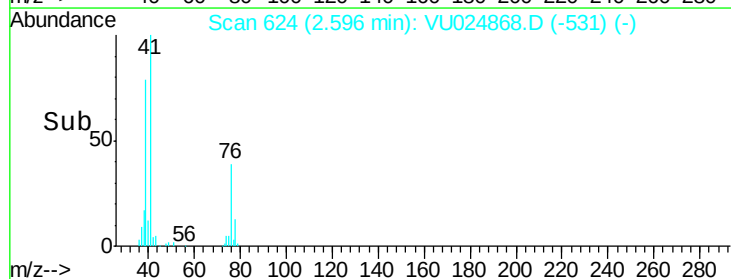
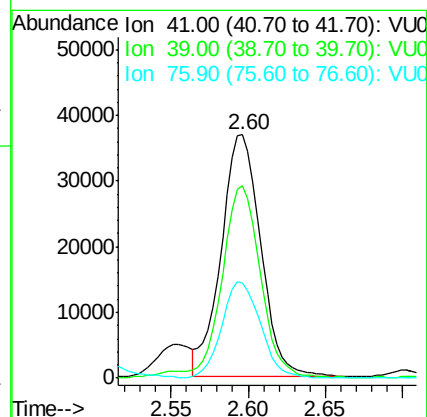
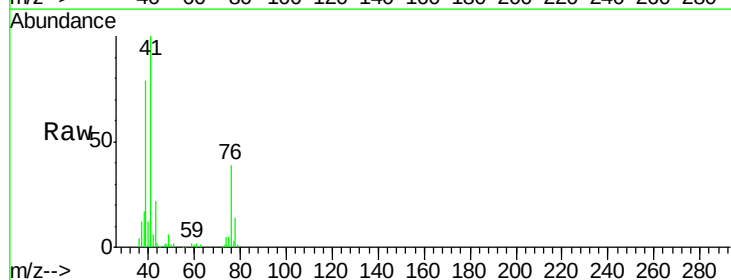
Instrument :
MSVOA_U
ClientSampleId :

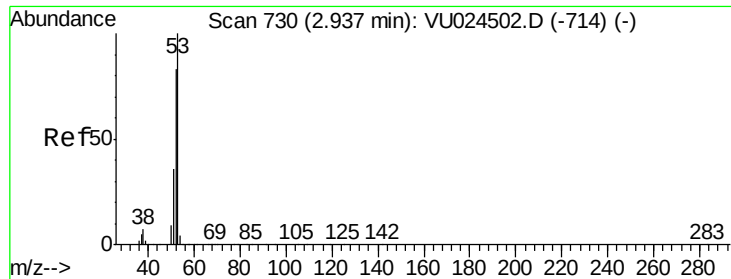
Tot Ion: 56 Resp: 29057
Ion Ratio Lower Upper
56 100
55 76.6 58.4 87.6



#14
Allyl chloride
Concen: 17.19 ug/l
RT: 2.60 min Scan# 624
Delta R.T. -0.00 min
Lab File: VU024868.D
Acq: 25 Jun 2018 12:29

Tgt Ion: 41 Resp: 65477
Ion Ratio Lower Upper
41 100
39 79.5 61.6 92.4
76 39.0 29.7 44.5





#15

Acrylonitrile

Concen: 93.68 ug/l

RT: 2.93 min Scan# 729

Delta R.T. -0.00 min

Lab File: VU024868.D

Acq: 25 Jun 2018 12:29

Instrument :

MSVOA_U

ClientSampleId :

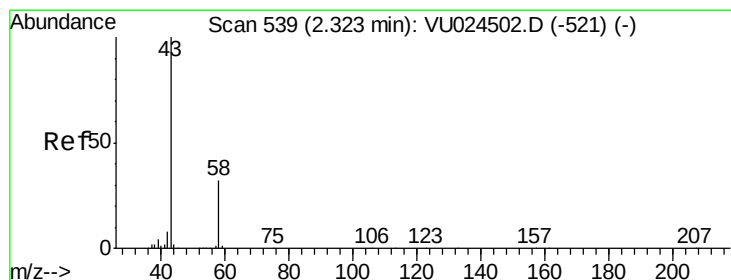
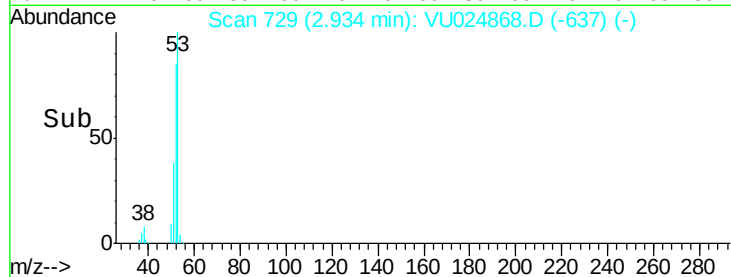
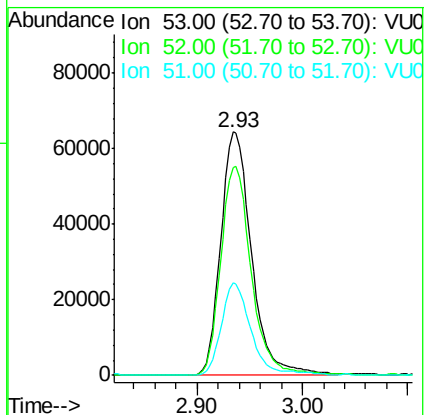
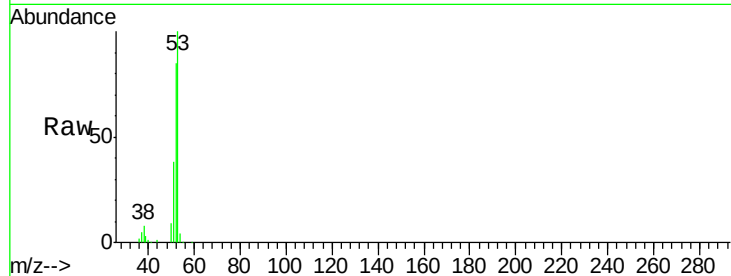
Tot Ion: 53 Resp: 130403

Ion Ratio Lower Upper

53 100

52 85.2 67.1 100.7

51 36.0 28.4 42.6



#16

Acetone

Concen: 93.85 ug/l

RT: 2.32 min Scan# 538

Delta R.T. -0.00 min

Lab File: VU024868.D

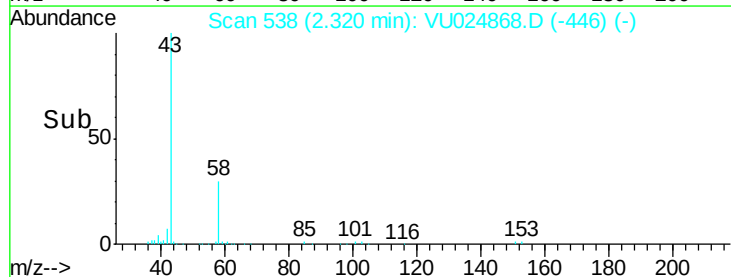
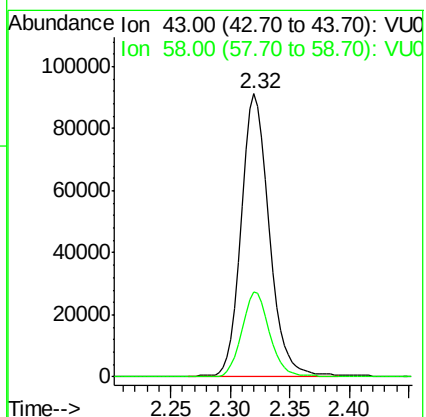
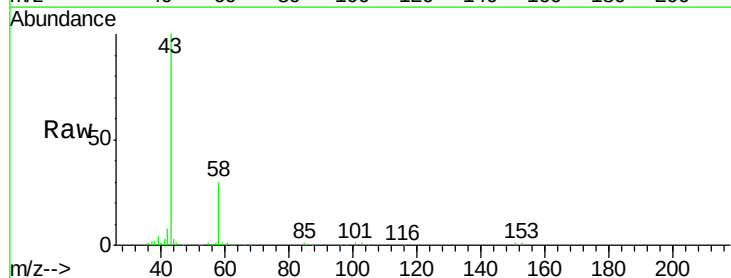
Acq: 25 Jun 2018 12:29

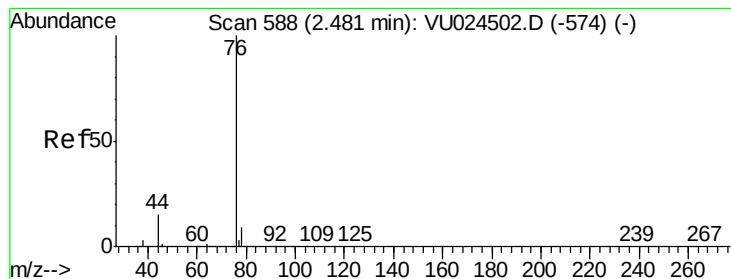
Tgt Ion: 43 Resp: 148336

Ion Ratio Lower Upper

43 100

58 30.2 24.4 36.6





#17

Carbon Disulfide

Concen: 15.79 ug/l

RT: 2.48 min Scan# 588

Delta R.T. -0.00 min

Lab File: VU024868.D

Acq: 25 Jun 2018 12:29

Instrument :

MSVOA_U

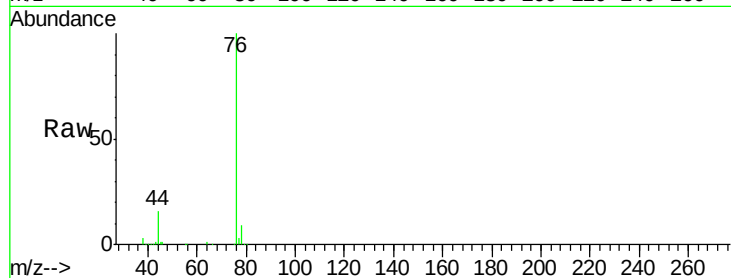
ClientSampleId :

Tot Ion: 76 Resp: 103771

Ion Ratio Lower Upper

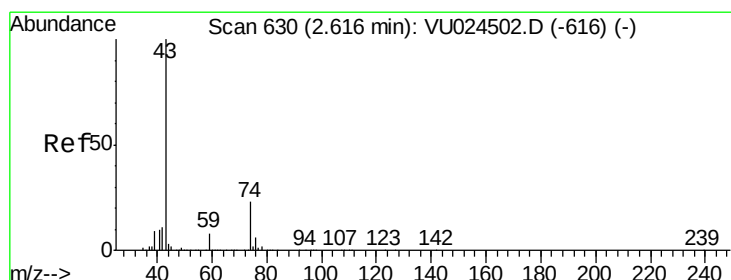
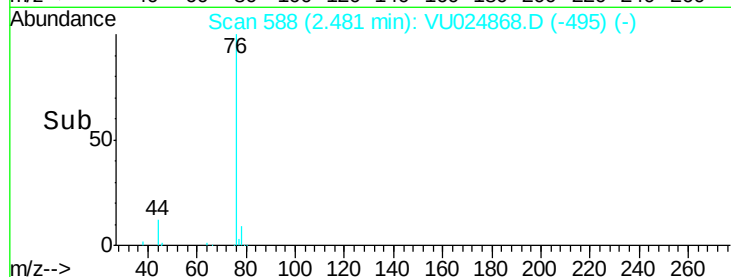
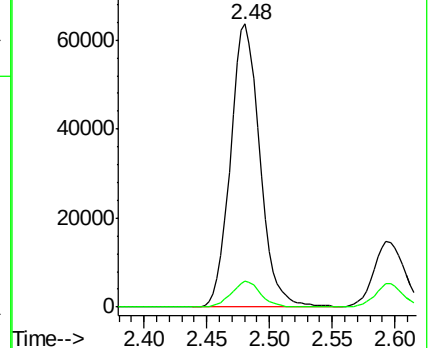
76 100

78 9.2 7.1 10.7



Abundance Ion 75.90 (75.60 to 76.60): VU0

Ion 77.90 (77.60 to 78.60): VU0



#18

Methyl Acetate

Concen: 20.92 ug/l

RT: 2.62 min Scan# 630

Delta R.T. -0.00 min

Lab File: VU024868.D

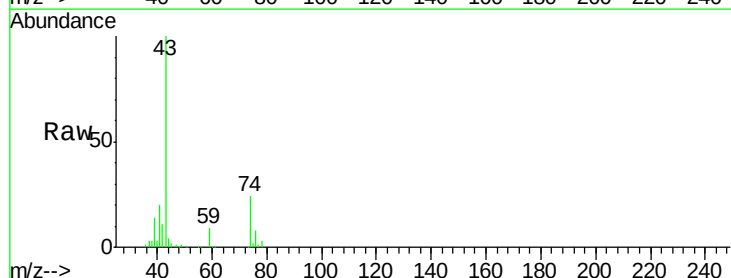
Acq: 25 Jun 2018 12:29

Tgt Ion: 43 Resp: 70889

Ion Ratio Lower Upper

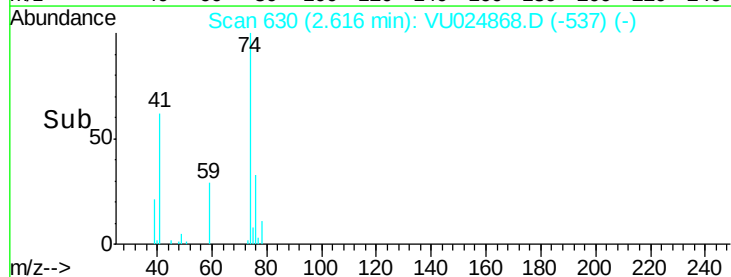
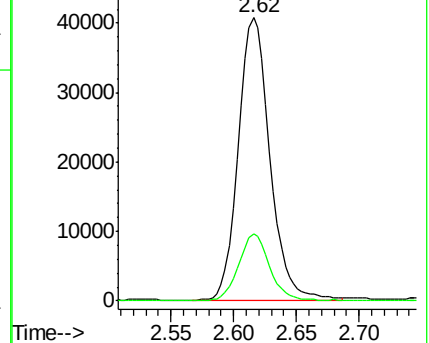
43 100

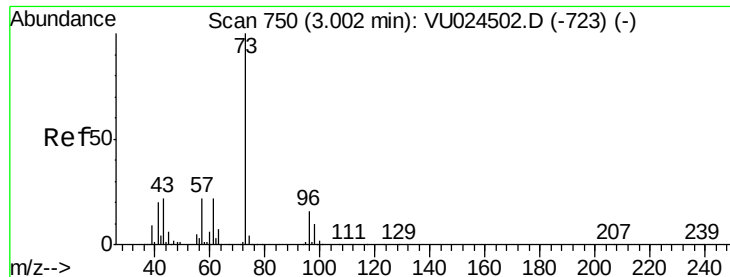
74 23.4 18.0 27.0



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 74.00 (73.70 to 74.70): VU0

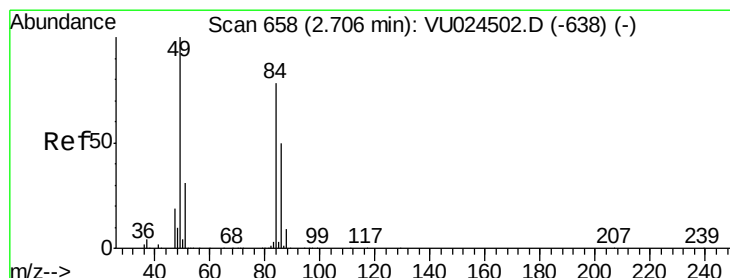
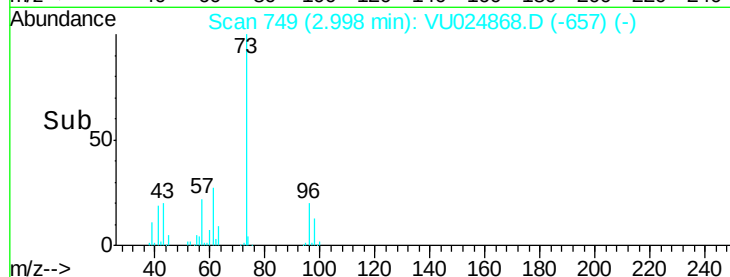
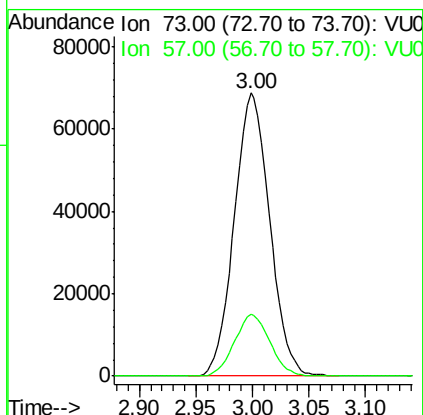
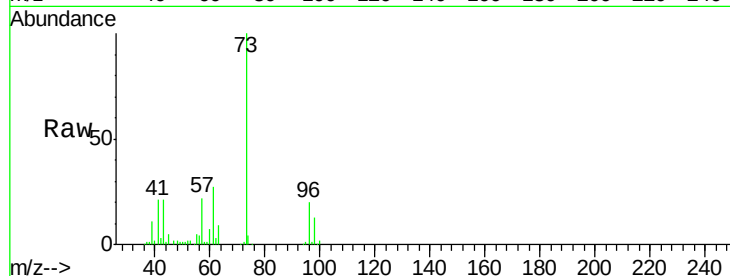




#19
Methyl tert-butyl Ether
Concen: 19.48 ug/l
RT: 3.00 min Scan# 749
Delta R.T. -0.00 min
Lab File: VU024868.D
Acq: 25 Jun 2018 12:29

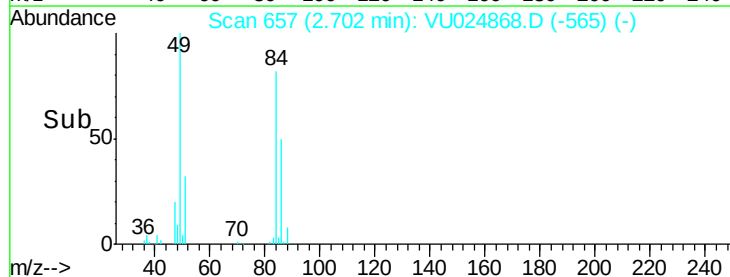
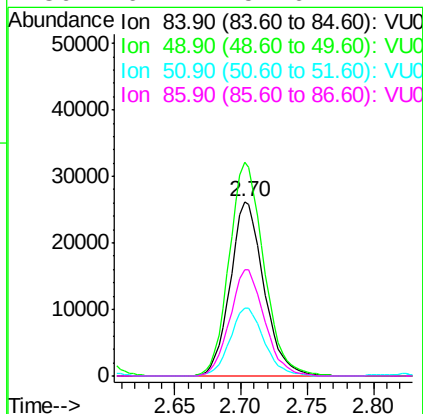
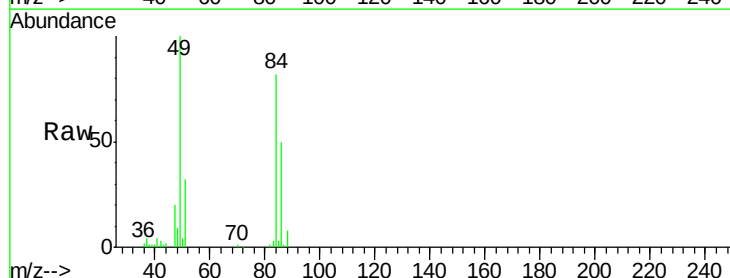
Instrument :
MSVOA_U
ClientSampleId :

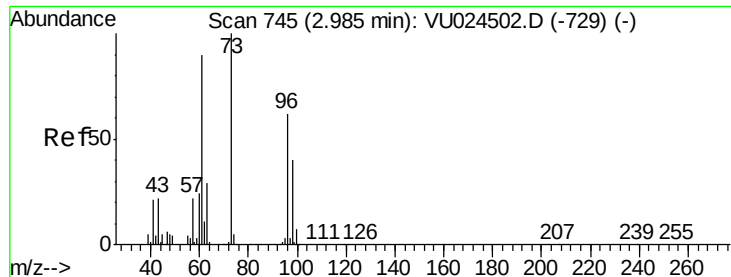
Tot Ion: 73 Resp: 150205
Ion Ratio Lower Upper
73 100
57 21.9 18.8 28.2



#20
Methylene Chloride
Concen: 18.67 ug/l
RT: 2.70 min Scan# 657
Delta R.T. -0.00 min
Lab File: VU024868.D
Acq: 25 Jun 2018 12:29

Tgt Ion: 84 Resp: 46313
Ion Ratio Lower Upper
84 100
49 122.7 103.8 155.8
51 39.2 32.0 48.0
86 61.1 51.6 77.4





#21

trans-1,2-Dichloroethene

Concen: 18.18 ug/l

RT: 2.99 min Scan# 745

Delta R.T. -0.00 min

Lab File: VU024868.D

Acq: 25 Jun 2018 12:29

Instrument :

MSVOA_U

ClientSampleId :

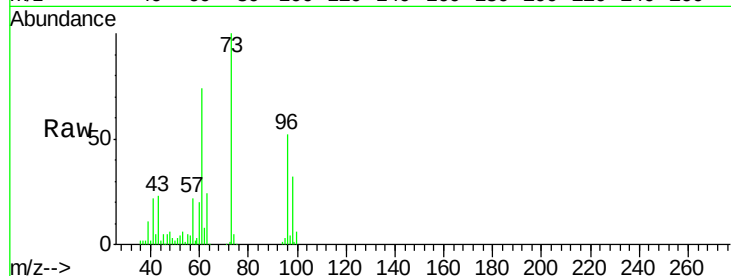
Tot Ion: 96 Resp: 41075

Ion Ratio Lower Upper

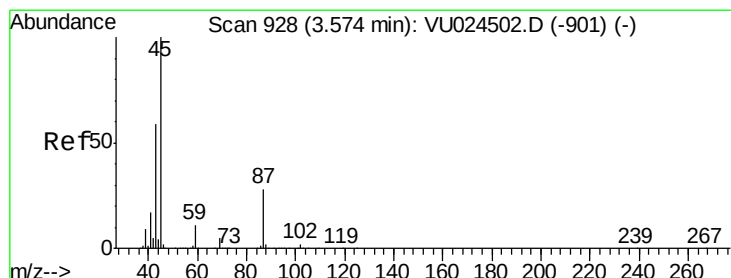
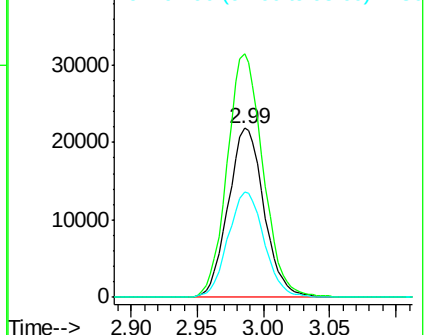
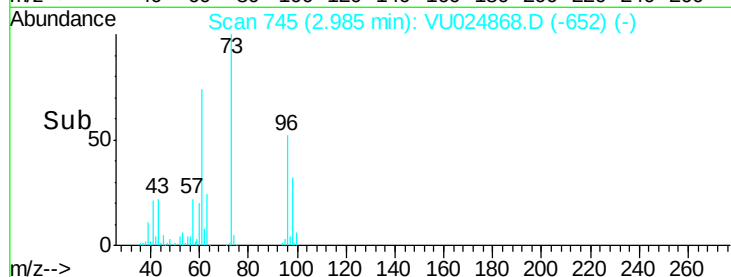
96 100

61 144.0 119.4 179.0

98 62.6 51.1 76.7



Abundance Ion 95.90 (95.60 to 96.60): VU024868.D (-652) (-)



#22

Diisopropyl ether

Concen: 19.35 ug/l

RT: 3.57 min Scan# 927

Delta R.T. -0.00 min

Lab File: VU024868.D

Acq: 25 Jun 2018 12:29

Tgt Ion: 45 Resp: 146161

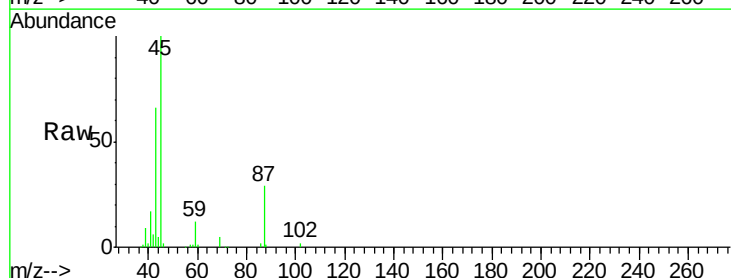
Ion Ratio Lower Upper

45 100

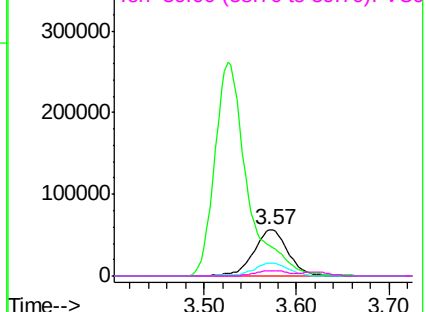
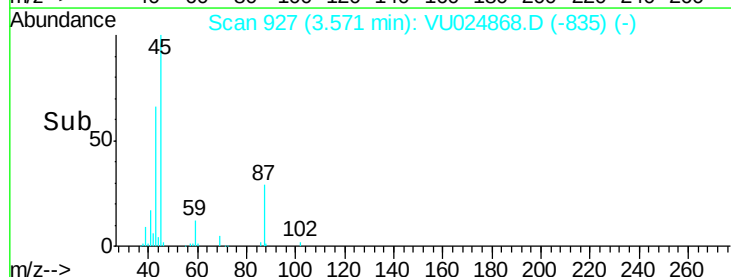
43 65.0 45.8 68.6

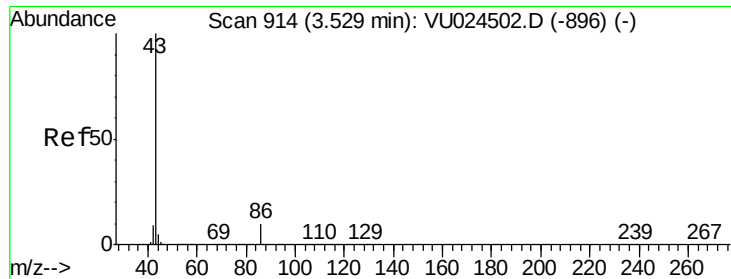
87 28.6 20.6 31.0

59 12.0 9.4 14.0



Abundance Ion 45.00 (44.70 to 45.70): VU024868.D (-835) (-)





#23

Vinyl Acetate

Concen: 94.26 ug/l

RT: 3.53 min Scan# 913

Delta R.T. -0.00 min

Lab File: VU024868.D

Acq: 25 Jun 2018 12:29

Instrument :

MSVOA_U

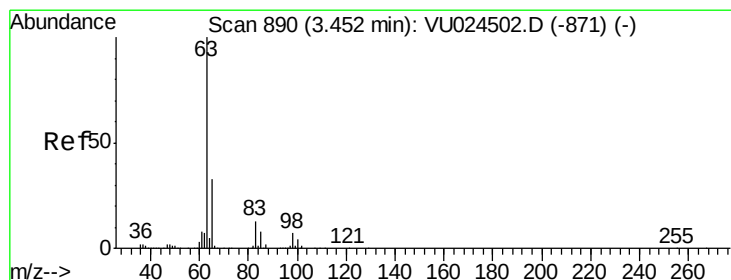
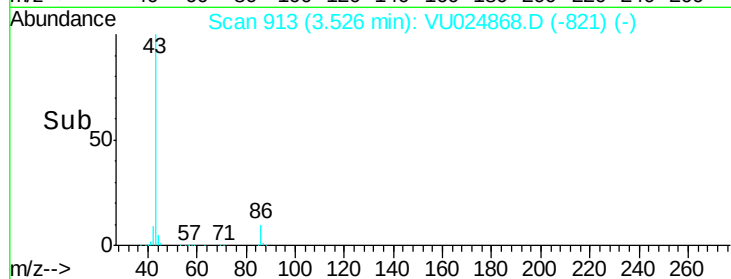
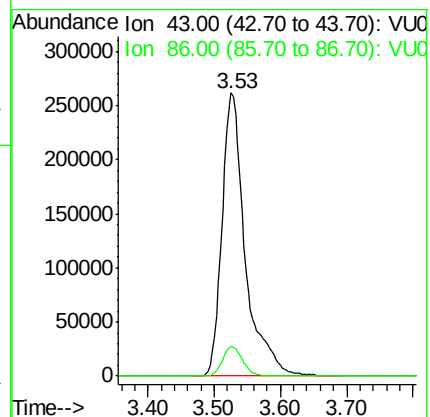
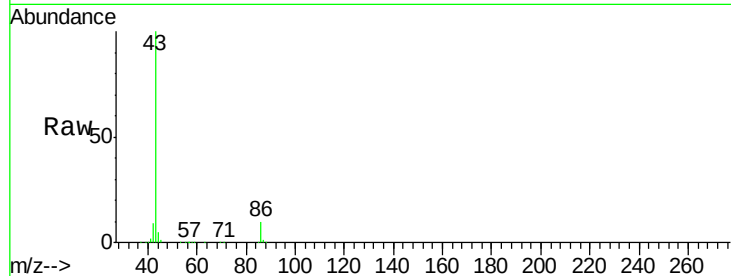
ClientSampled :

Tot Ion: 43 Resp: 637684

Ion Ratio Lower Upper

43 100

86 10.4 7.8 11.8



#24

1,1-Dichloroethane

Concen: 18.96 ug/l

RT: 3.45 min Scan# 889

Delta R.T. -0.00 min

Lab File: VU024868.D

Acq: 25 Jun 2018 12:29

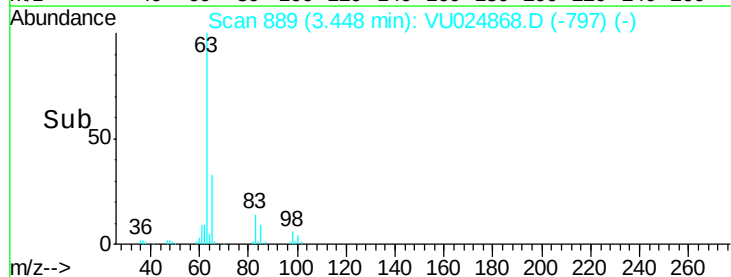
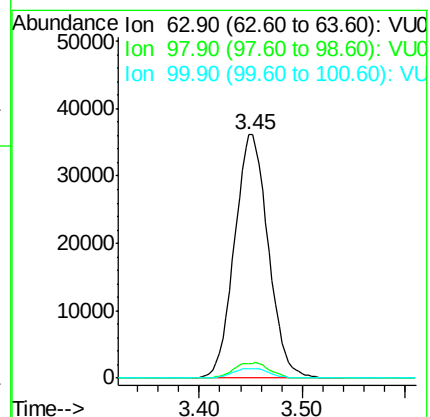
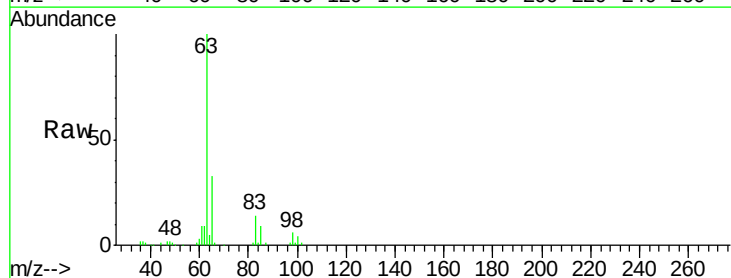
Tgt Ion: 63 Resp: 82355

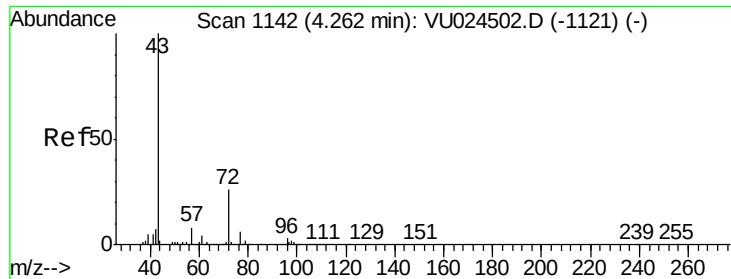
Ion Ratio Lower Upper

63 100

98 6.0 3.5 10.4

100 3.9 1.8 5.5

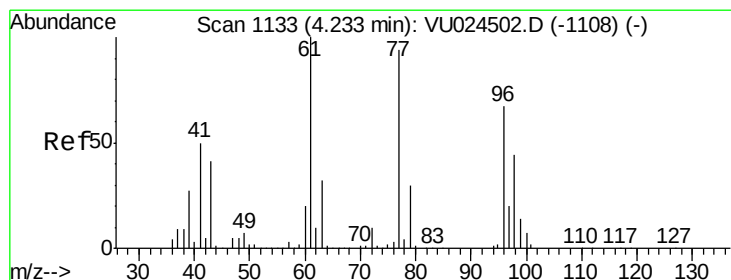
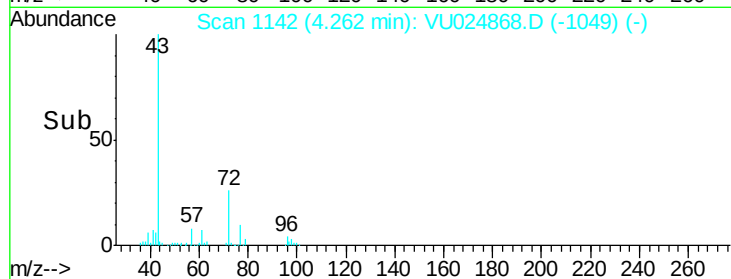
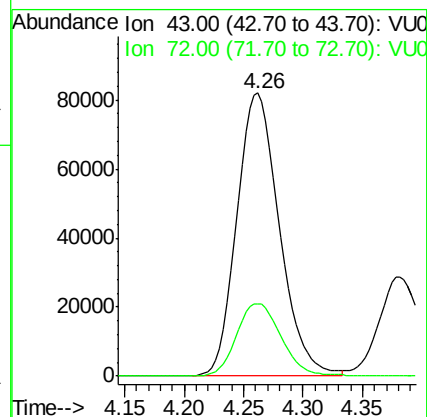
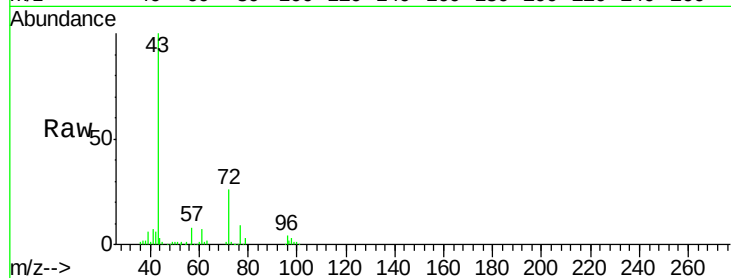




#25
2-Butanone
Concen: 95.19 ug/l
RT: 4.26 min Scan# 1142
Delta R.T. -0.00 min
Lab File: VU024868.D
Acq: 25 Jun 2018 12:29

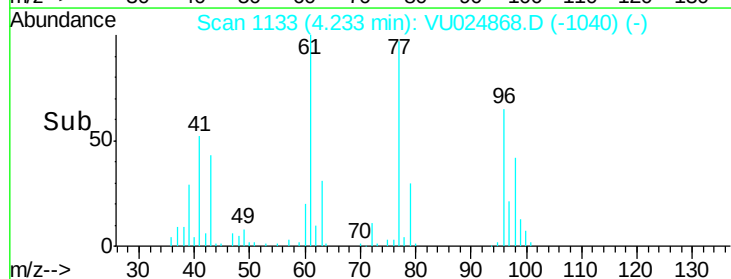
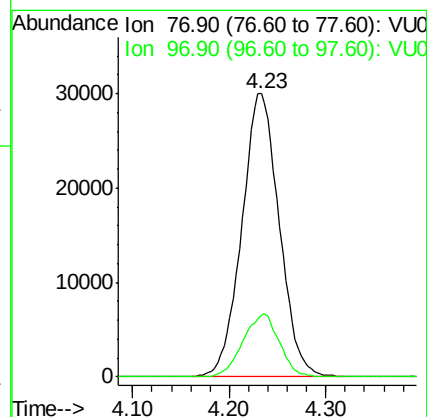
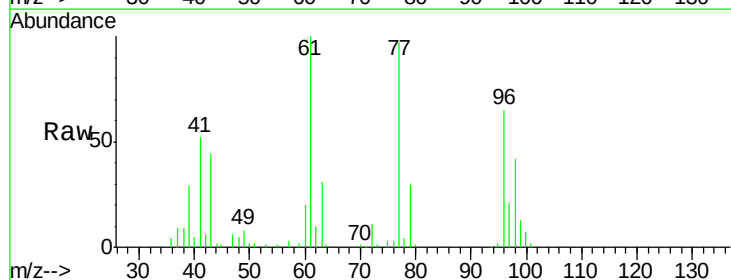
Instrument :
MSVOA_U
ClientSampled :

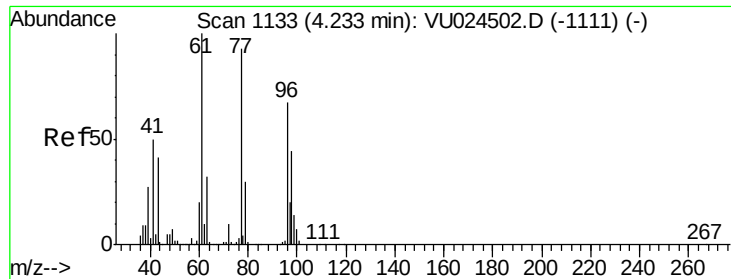
Tot Ion: 43 Resp: 202088
Ion Ratio Lower Upper
43 100
72 25.6 19.6 29.4



#26
2,2-Dichloropropane
Concen: 19.53 ug/l
RT: 4.23 min Scan# 1133
Delta R.T. -0.00 min
Lab File: VU024868.D
Acq: 25 Jun 2018 12:29

Tgt Ion: 77 Resp: 80583
Ion Ratio Lower Upper
77 100
97 21.5 11.3 33.8





#27

cis-1,2-Dichloroethene

Concen: 19.47 ug/l

RT: 4.23 min Scan# 1132

Delta R.T. -0.00 min

Lab File: VU024868.D

Acq: 25 Jun 2018 12:29

Instrument :
MSVOA_U
ClientSampleId :

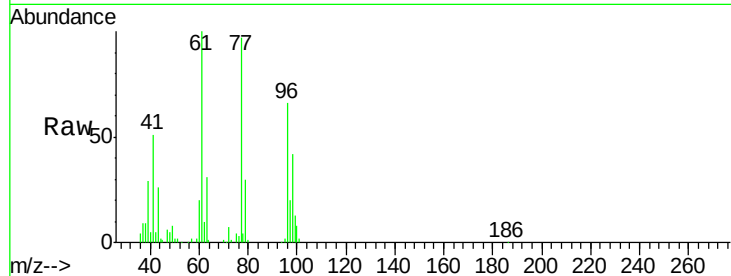
Tot Ion: 96 Resp: 50576

Ion Ratio Lower Upper

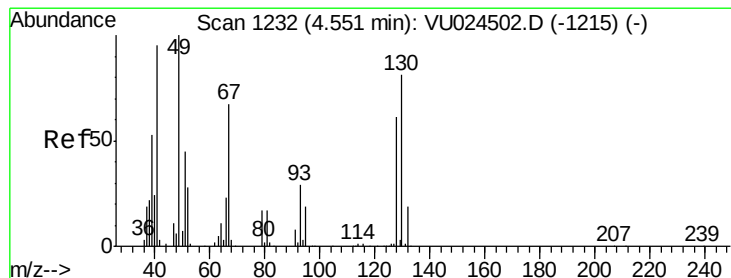
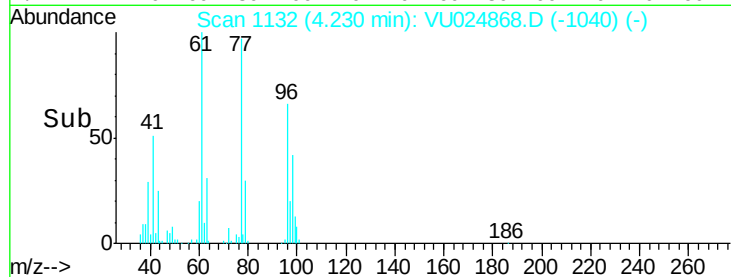
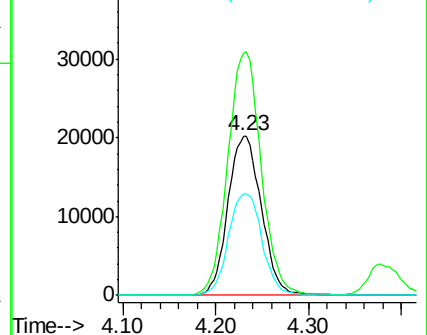
96 100

61 153.2 0.0 306.6

98 64.2 0.0 128.8



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



#28

Bromochloromethane

Concen: 18.68 ug/l

RT: 4.55 min Scan# 1232

Delta R.T. -0.00 min

Lab File: VU024868.D

Acq: 25 Jun 2018 12:29

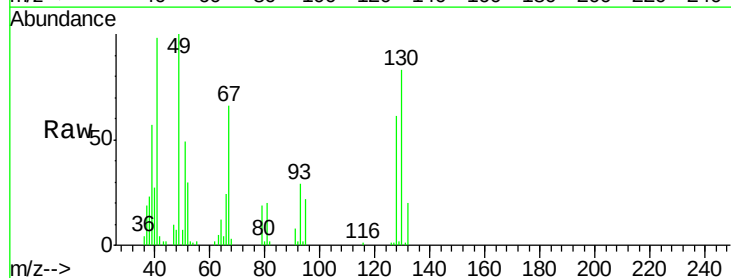
Tgt Ion: 49 Resp: 35744

Ion Ratio Lower Upper

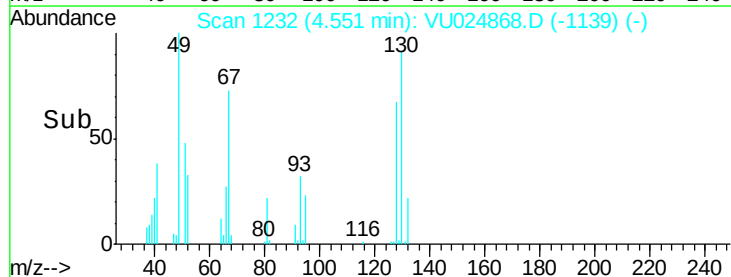
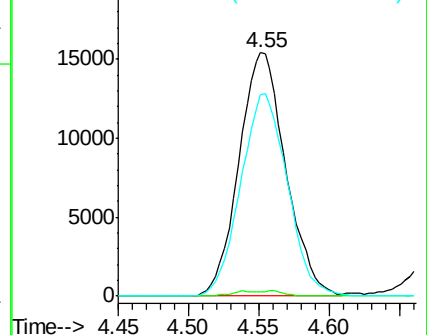
49 100

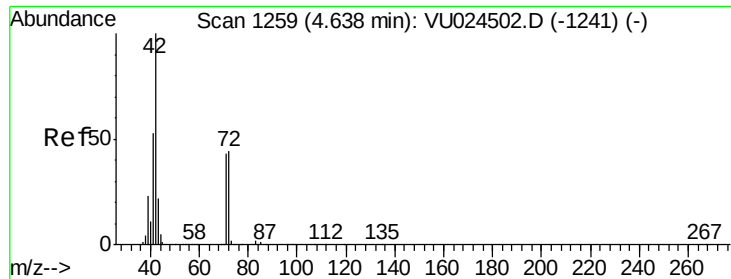
129 0.9 0.0 3.8

130 83.0 57.8 86.6



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

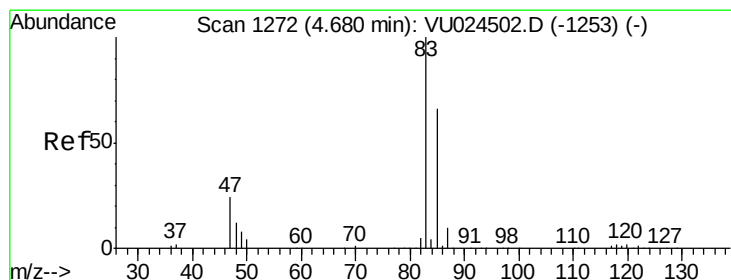
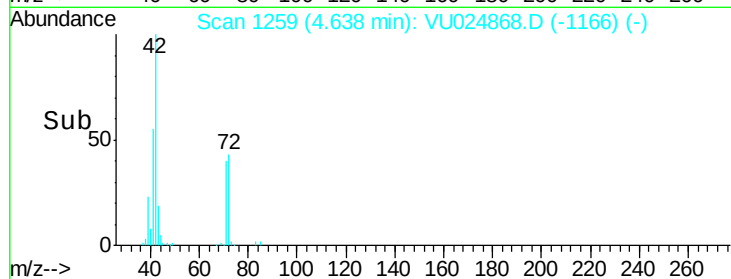
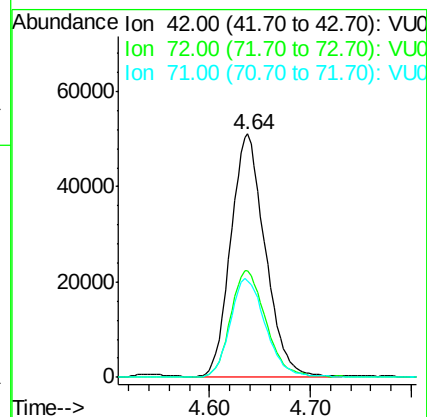
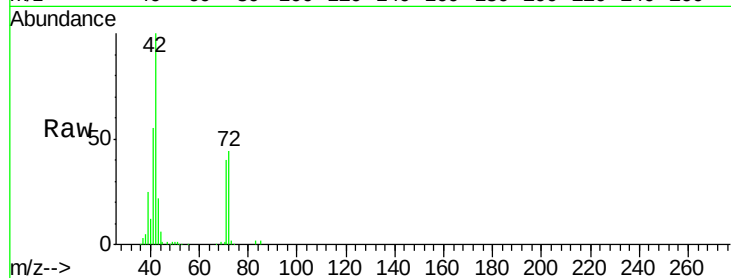




#29
Tetrahydrofuran
Concen: 91.83 ug/l
RT: 4.64 min Scan# 1259
Delta R.T. -0.00 min
Lab File: VU024868.D
Acq: 25 Jun 2018 12:29

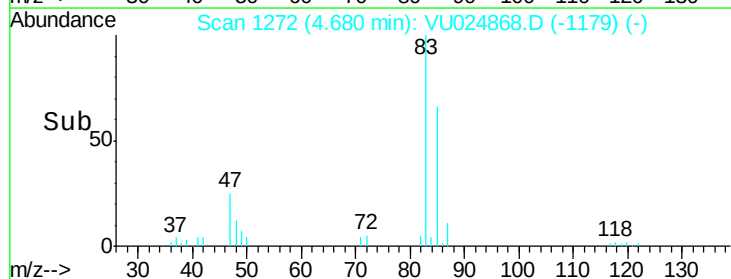
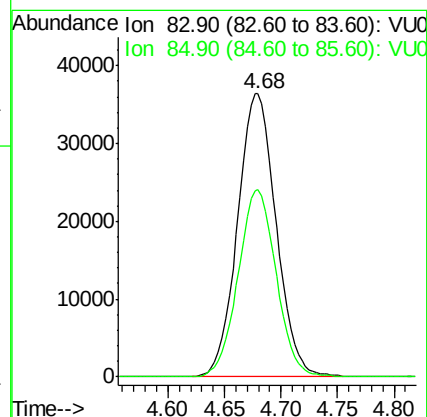
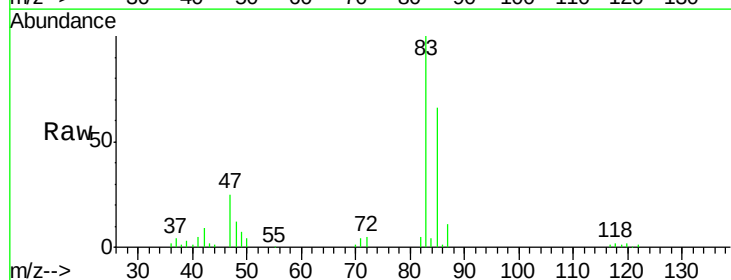
Instrument :
MSVOA_U
ClientSampleId :

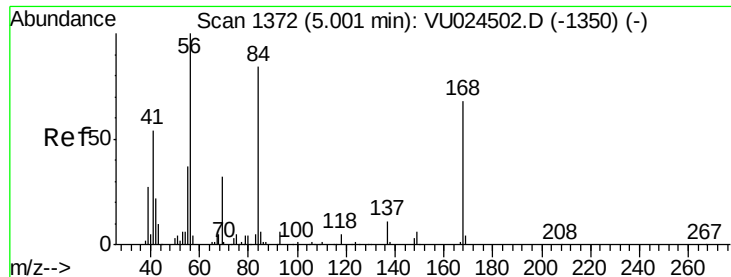
Tot Ion: 42 Resp: 120733
Ion Ratio Lower Upper
42 100
72 45.3 34.5 51.7
71 41.7 32.2 48.4



#30
Chloroform
Concen: 19.64 ug/l
RT: 4.68 min Scan# 1272
Delta R.T. -0.00 min
Lab File: VU024868.D
Acq: 25 Jun 2018 12:29

Tgt Ion: 83 Resp: 86371
Ion Ratio Lower Upper
83 100
85 66.2 52.4 78.6

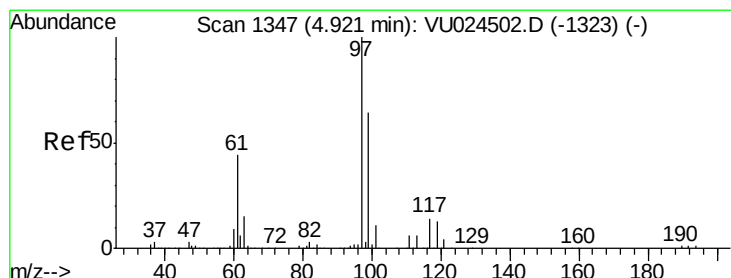
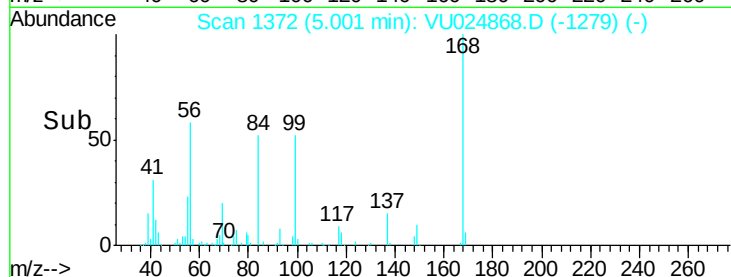
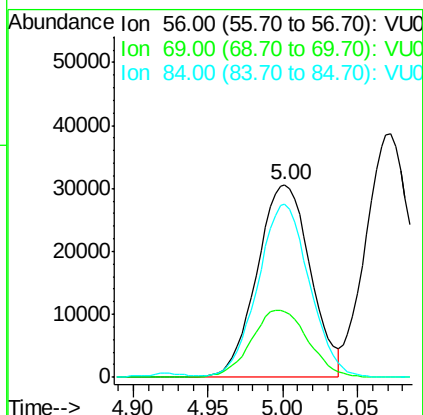
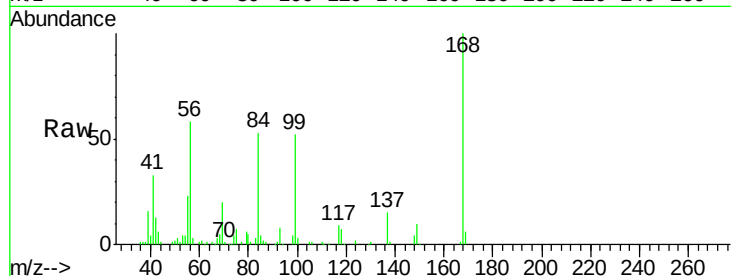




#31
Cyclohexane
Concen: 18.40 ug/l
RT: 5.00 min Scan# 1372
Delta R.T. 0.00 min
Lab File: VU024868.D
Acq: 25 Jun 2018 12:29

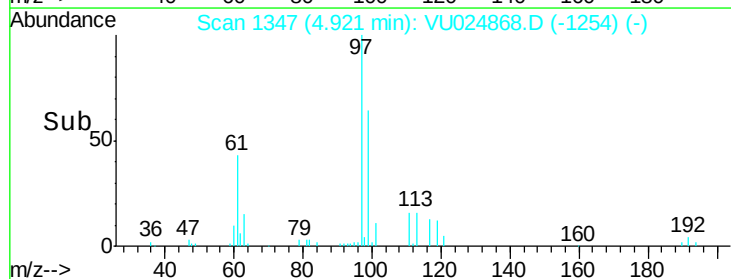
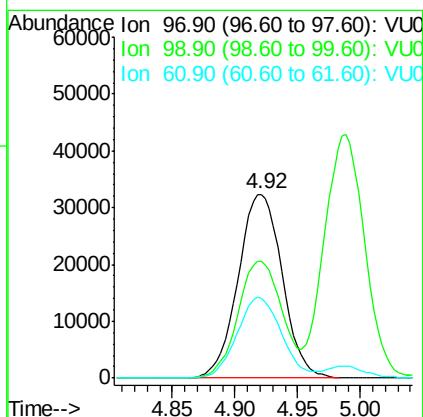
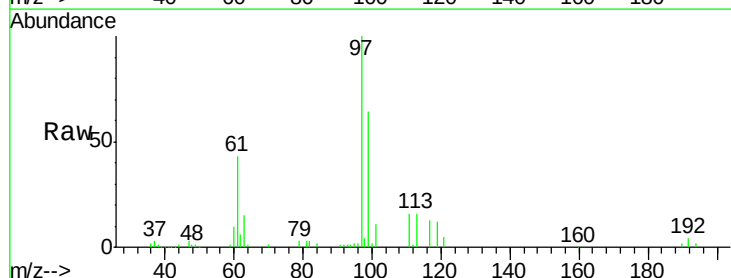
Instrument :
MSVOA_U
ClientSampled :

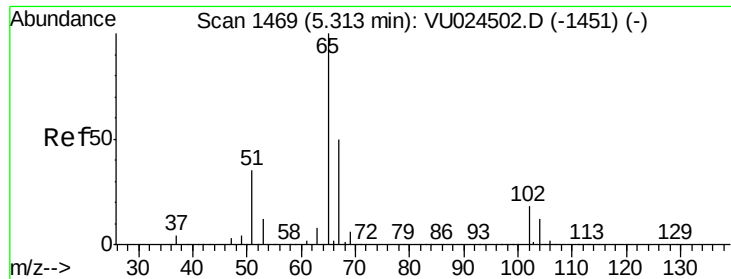
Tot Ion: 56 Resp: 75796
Ion Ratio Lower Upper
56 100
69 33.9 24.8 37.2
84 89.0 65.2 97.8



#32
1,1,1-Trichloroethane
Concen: 19.40 ug/l
RT: 4.92 min Scan# 1347
Delta R.T. -0.00 min
Lab File: VU024868.D
Acq: 25 Jun 2018 12:29

Tgt Ion: 97 Resp: 78896
Ion Ratio Lower Upper
97 100
99 64.5 51.0 76.6
61 44.2 39.4 59.0

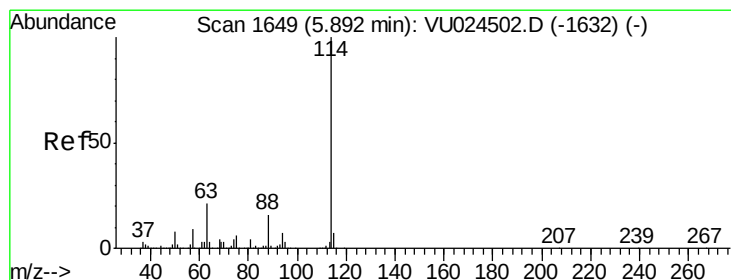
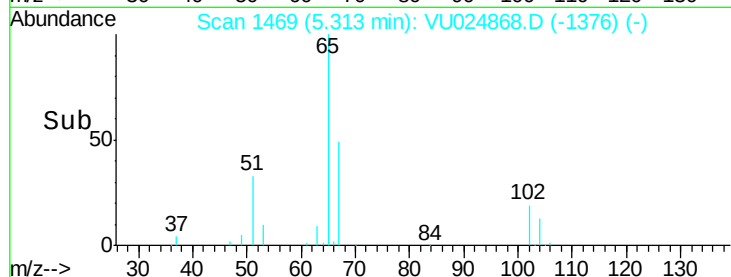
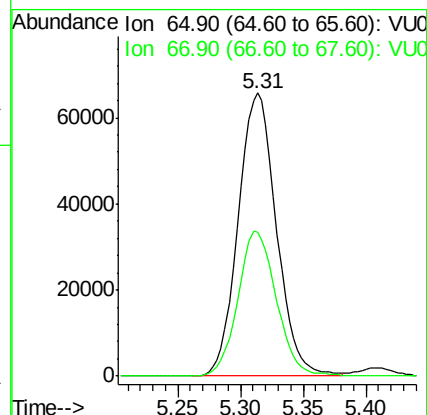
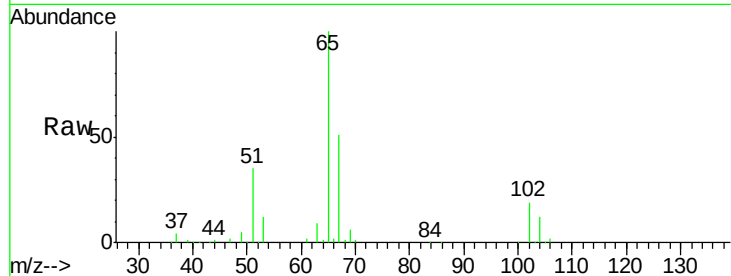




#33
 1,2-Dichloroethane-d4
 Concen: 47.38 ug/l
 RT: 5.31 min Scan# 1469
 Delta R.T. -0.00 min
 Lab File: VU024868.D
 Acq: 25 Jun 2018 12:29

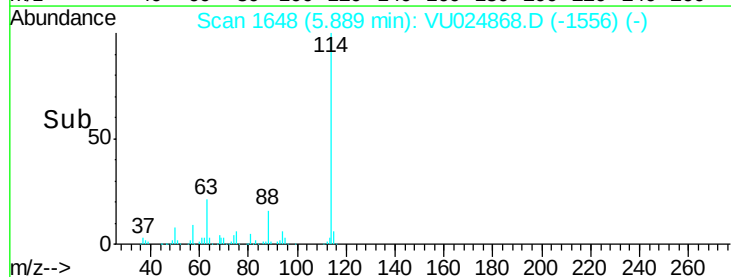
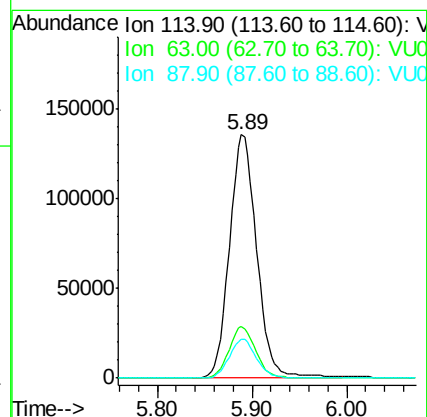
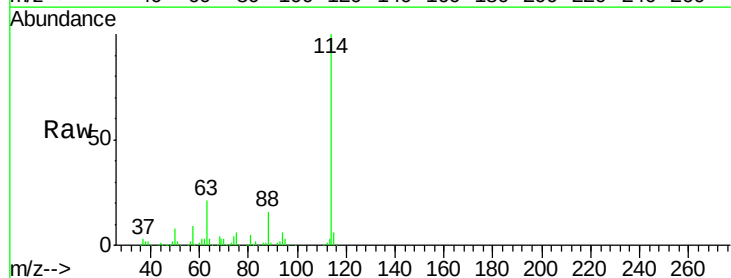
Instrument :
 MSVOA_U
 ClientSampled :

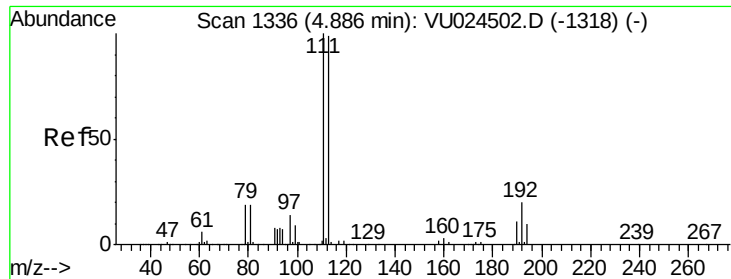
Tot Ion: 65 Resp: 139385
 Ion Ratio Lower Upper
 65 100
 67 51.4 0.0 107.0



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 5.89 min Scan# 1648
 Delta R.T. -0.00 min
 Lab File: VU024868.D
 Acq: 25 Jun 2018 12:29

Tgt Ion: 114 Resp: 271767
 Ion Ratio Lower Upper
 114 100
 63 21.1 0.0 45.4
 88 15.9 0.0 31.0

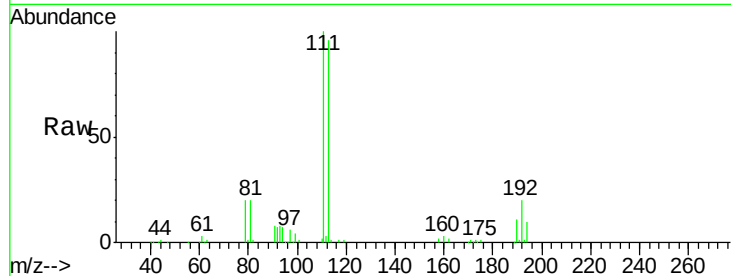




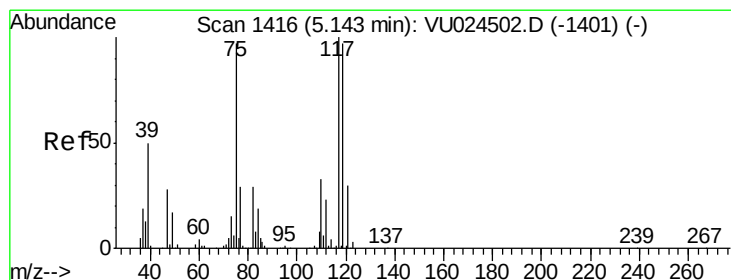
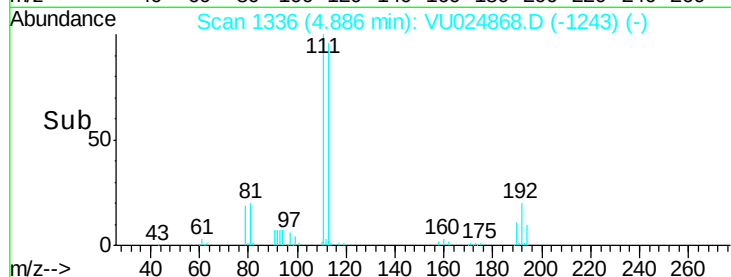
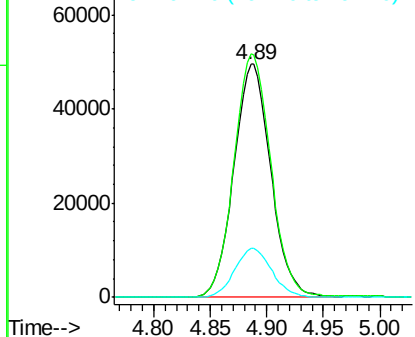
#35
 Dibromofluoromethane
 Concen: 49.84 ug/l
 RT: 4.89 min Scan# 1336
 Delta R.T. -0.00 min
 Lab File: VU024868.D
 Acq: 25 Jun 2018 12:29

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
113	100		
111	104.5	82.2	123.4
192	21.1	16.2	24.4

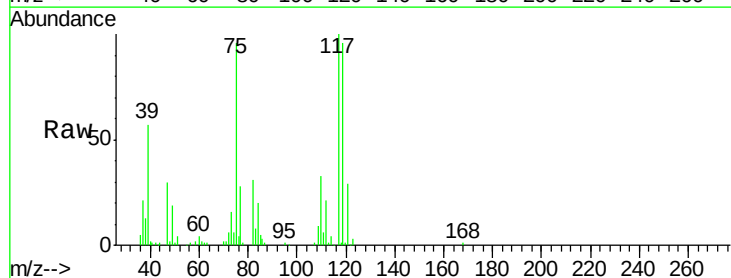


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

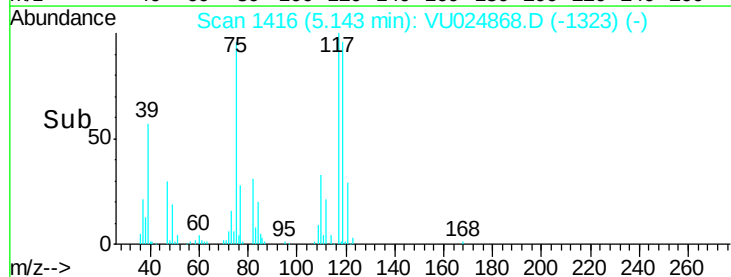
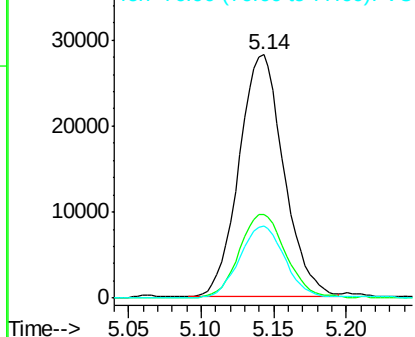


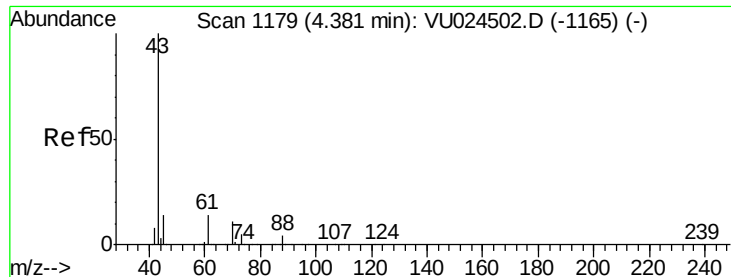
#36
 1,1-Dichloropropene
 Concen: 18.97 ug/l
 RT: 5.14 min Scan# 1416
 Delta R.T. -0.00 min
 Lab File: VU024868.D
 Acq: 25 Jun 2018 12:29

Tgt Ion	Ratio	Lower	Upper
75	100		
110	36.1	17.0	50.9
77	30.1	24.2	36.4



Abundance Ion 74.90 (74.60 to 75.60): VU0
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): VU0

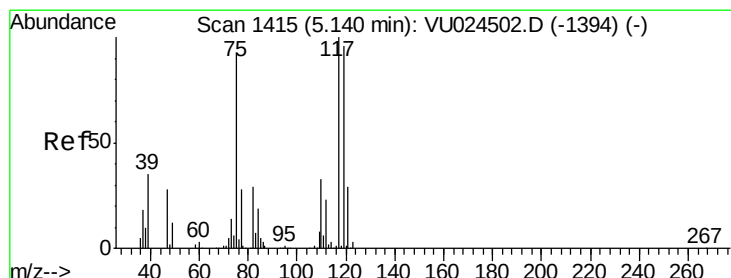
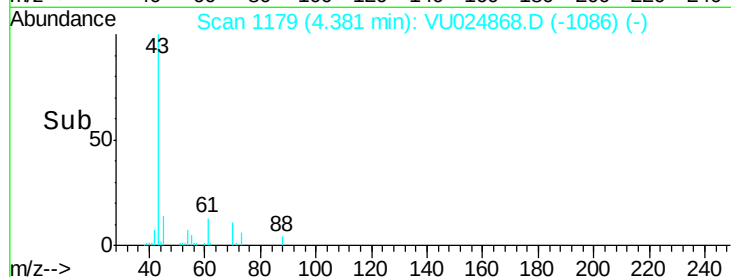
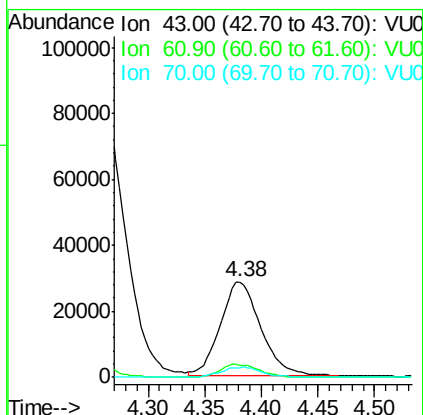
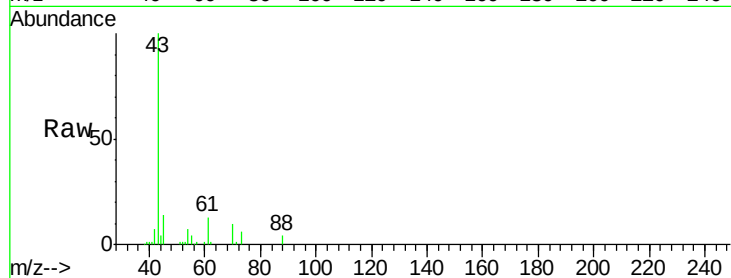




#37
Ethyl Acetate
Concen: 20.55 ug/l
RT: 4.38 min Scan# 1179
Delta R.T. -0.00 min
Lab File: VU024868.D
Acq: 25 Jun 2018 12:29

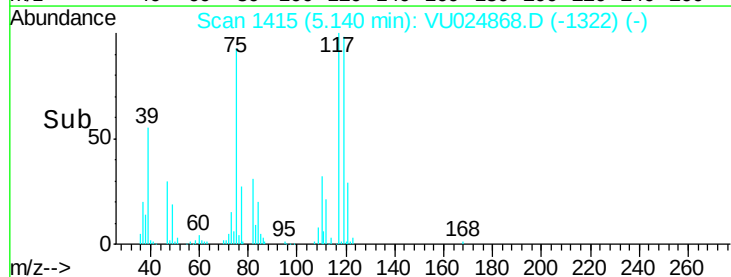
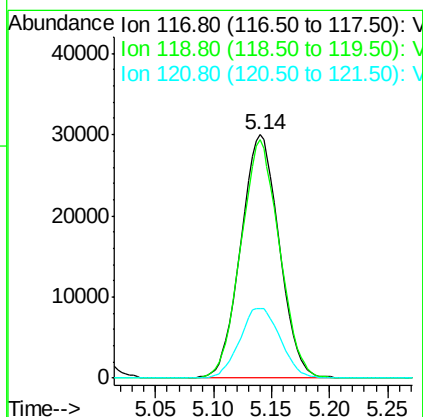
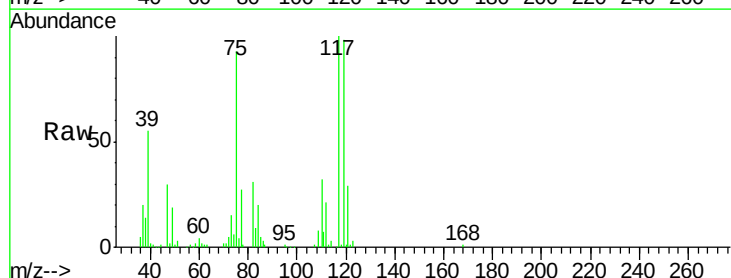
Instrument :
MSVOA_U
ClientSampled :

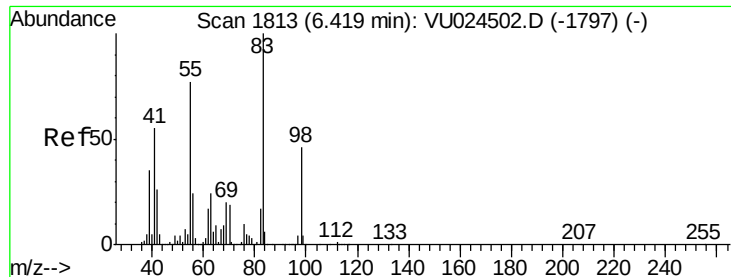
Tot Ion	43	Resp	71517
Ion Ratio	Lower	Upper	
43	100		
61	13.8	10.5	15.7
70	10.9	7.4	11.2



#38
Carbon Tetrachloride
Concen: 19.70 ug/l
RT: 5.14 min Scan# 1415
Delta R.T. -0.00 min
Lab File: VU024868.D
Acq: 25 Jun 2018 12:29

Tgt Ion	117	Resp	69175
Ion Ratio	Lower	Upper	
117	100		
119	98.0	76.1	114.1
121	28.7	23.7	35.5

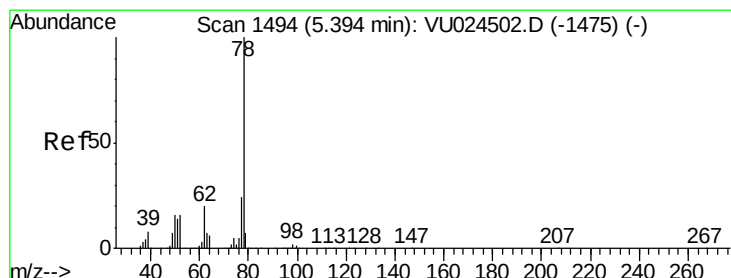
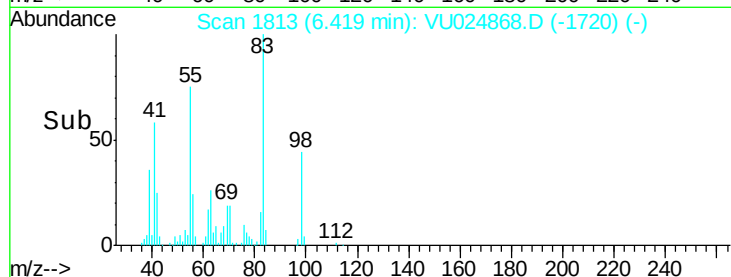
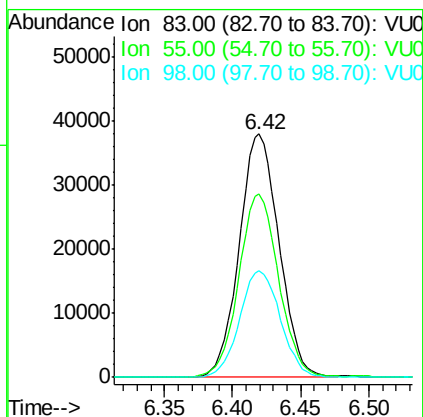
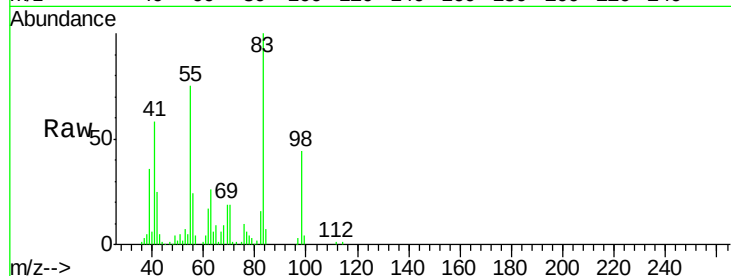




#39
Methylvlcyclohexane
Concen: 19.31 ug/l
RT: 6.42 min Scan# 1813
Delta R.T. -0.00 min
Lab File: VU024868.D
Acq: 25 Jun 2018 12:29

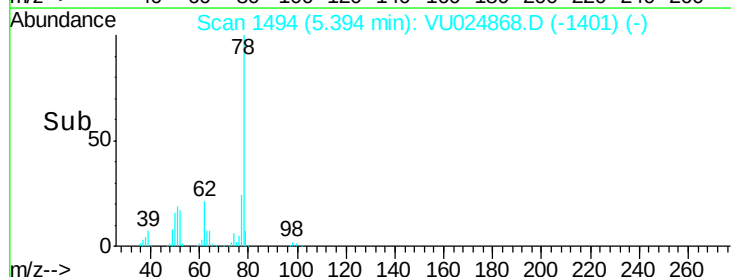
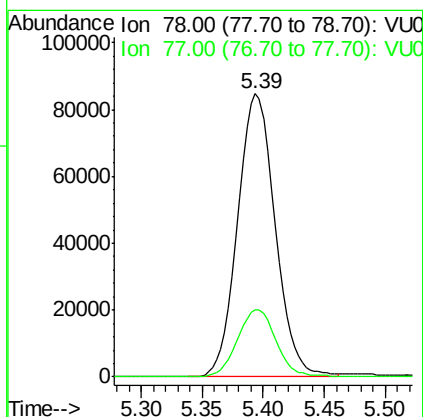
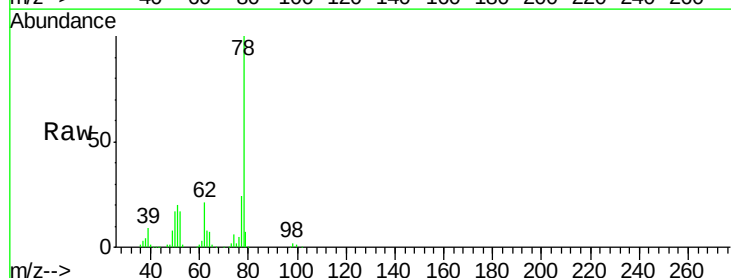
Instrument :
MSVOA_U
ClientSampled :

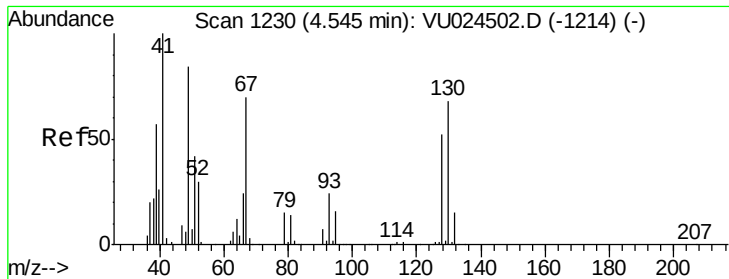
Tot Ion: 83 Resp: 76964
Ion Ratio Lower Upper
83 100
55 75.2 65.8 98.6
98 43.6 36.7 55.1



#40
Benzene
Concen: 19.85 ug/l
RT: 5.39 min Scan# 1494
Delta R.T. -0.00 min
Lab File: VU024868.D
Acq: 25 Jun 2018 12:29

Tgt Ion: 78 Resp: 180663
Ion Ratio Lower Upper
78 100
77 23.7 19.2 28.8

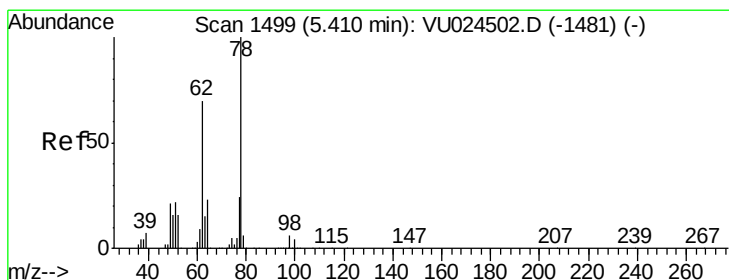
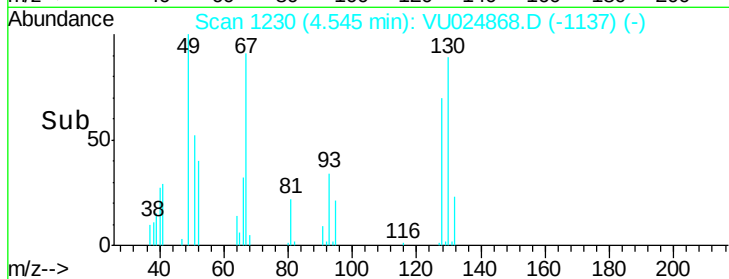
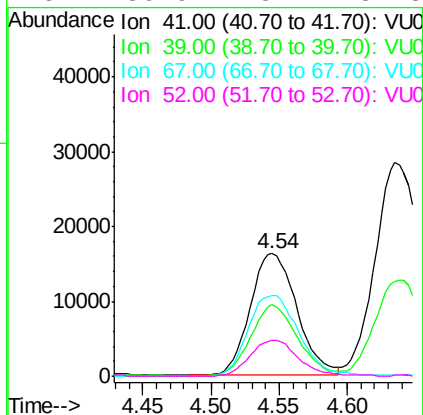
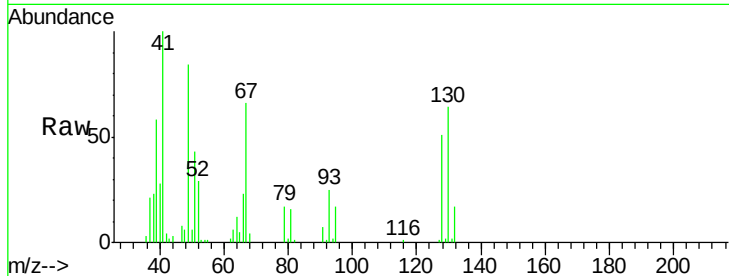




#41
Methacrylonitrile
Concen: 20.73 ug/l
RT: 4.54 min Scan# 1230
Delta R.T. -0.00 min
Lab File: VU024868.D
Acq: 25 Jun 2018 12:29

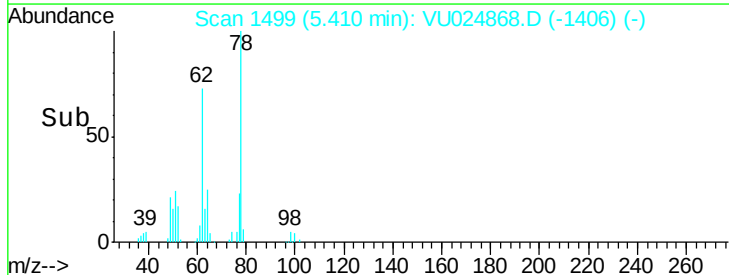
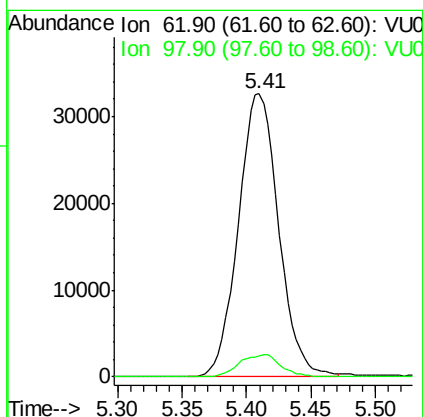
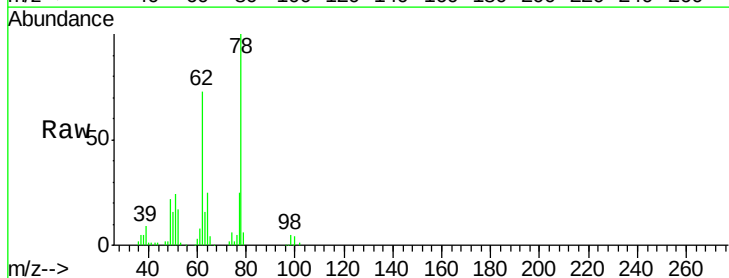
Instrument :
MSVOA_U
ClientSampled :

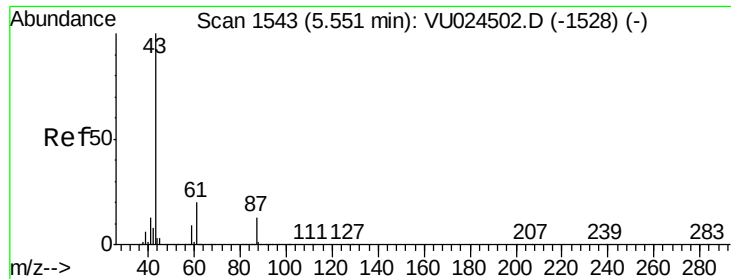
Tot Ion:	41	Resp:	38911
Ion	Ratio	Lower	Upper
41	100		
39	58.8	43.8	65.6
67	72.9	56.3	84.5
52	30.9	23.2	34.8



#42
1,2-Dichloroethane
Concen: 20.49 ug/l
RT: 5.41 min Scan# 1499
Delta R.T. -0.00 min
Lab File: VU024868.D
Acq: 25 Jun 2018 12:29

Tgt Ion:	62	Resp:	71012
Ion	Ratio	Lower	Upper
62	100		
98	8.0	0.0	16.6

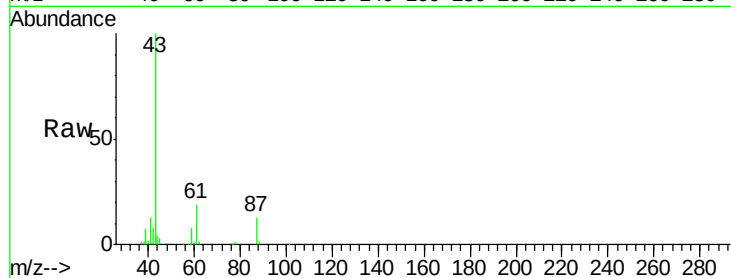




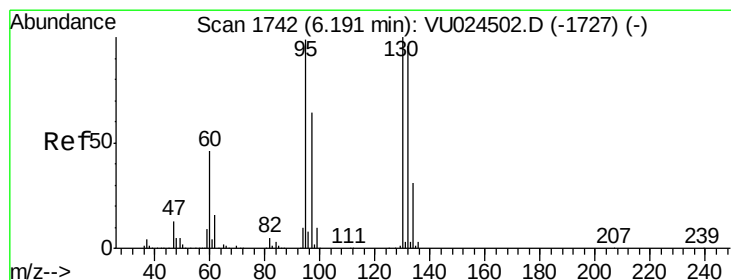
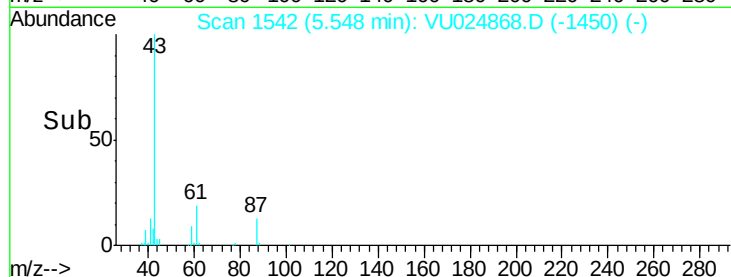
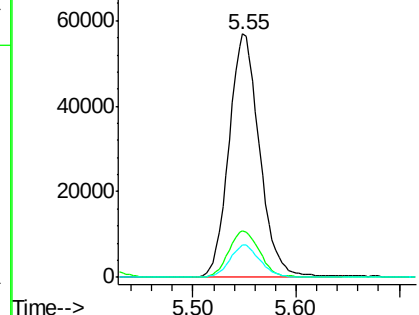
#43
Isopropyl Acetate
Concen: 19.40 ug/l
RT: 5.55 min Scan# 1542
Delta R.T. -0.00 min
Lab File: VU024868.D
Acq: 25 Jun 2018 12:29

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 43 Resp: 116706
Ion Ratio Lower Upper
43 100
61 19.5 15.4 23.0
87 13.3 10.0 15.0

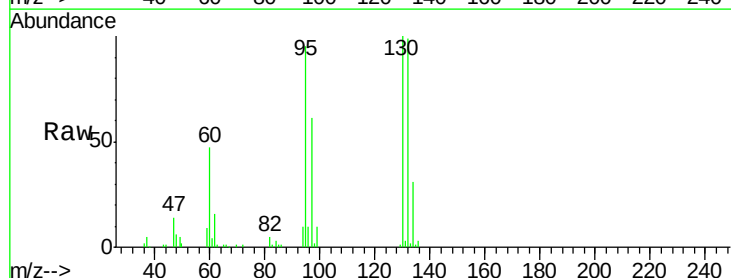


Abundance Ion 43.00 (42.70 to 43.70): VU0
Ion 61.00 (60.70 to 61.70): VU0
Ion 87.00 (86.70 to 87.70): VU0

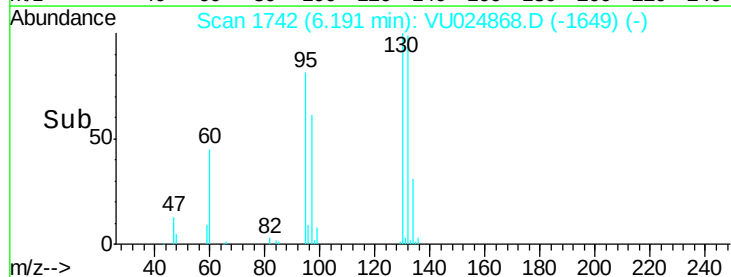
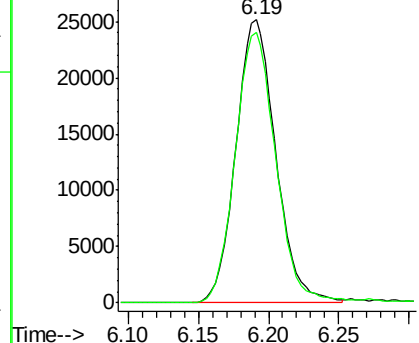


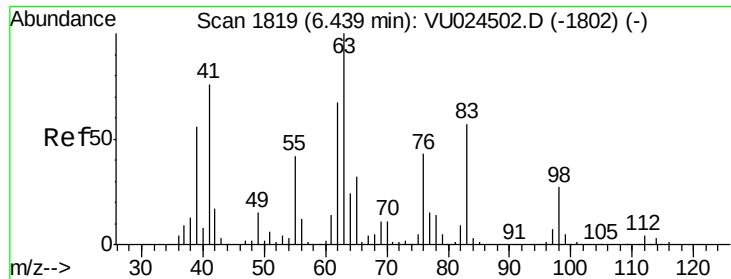
#44
Trichloroethene
Concen: 19.25 ug/l
RT: 6.19 min Scan# 1742
Delta R.T. -0.00 min
Lab File: VU024868.D
Acq: 25 Jun 2018 12:29

Tgt Ion:130 Resp: 49865
Ion Ratio Lower Upper
130 100
95 95.4 0.0 202.4



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

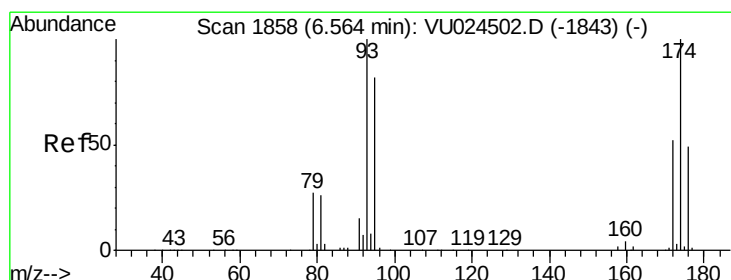
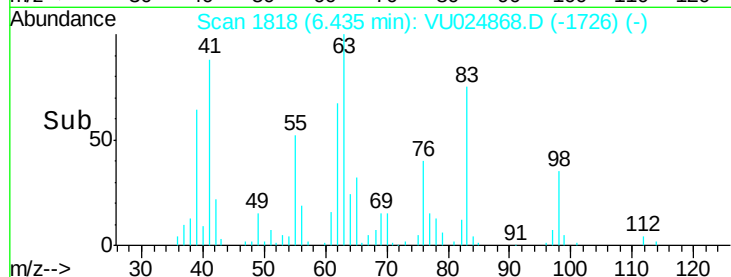
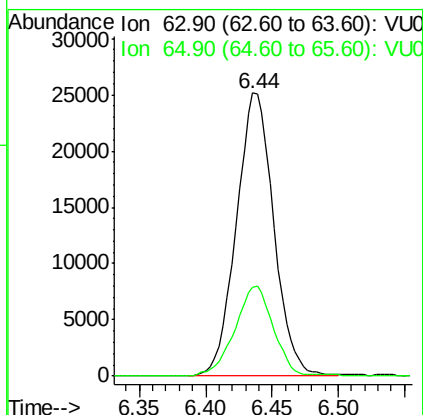
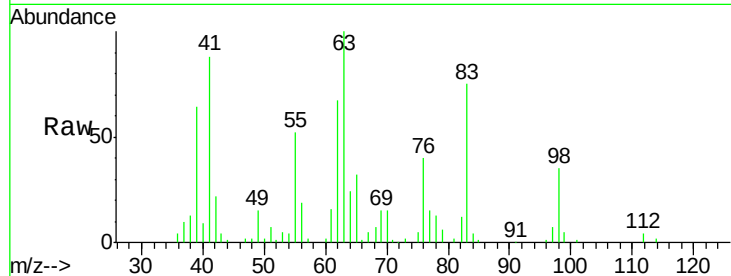




#45
 1,2-Dichloropropane
 Concen: 20.37 ug/l
 RT: 6.44 min Scan# 1818
 Delta R.T. -0.00 min
 Lab File: VU024868.D
 Acq: 25 Jun 2018 12:29

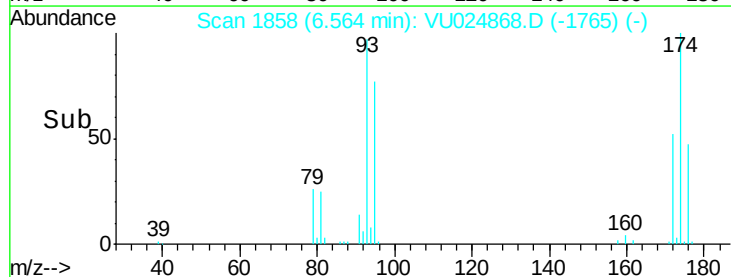
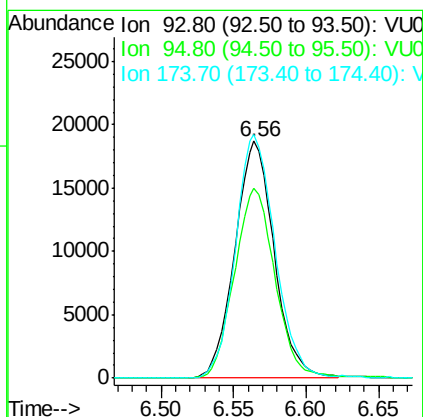
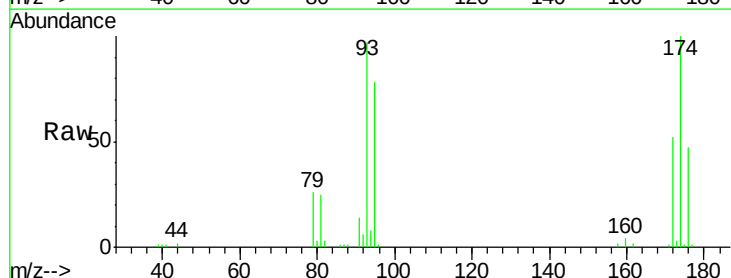
Instrument :
 MSVOA_U
 ClientSampleId :

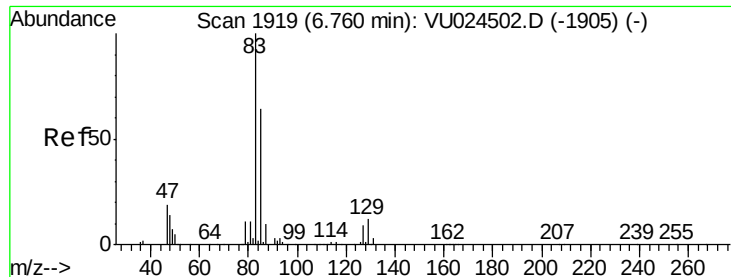
Tot Ion: 63 Resp: 49458
 Ion Ratio Lower Upper
 63 100
 65 31.6 24.8 37.2



#46
 Dibromomethane
 Concen: 20.67 ug/l
 RT: 6.56 min Scan# 1858
 Delta R.T. -0.00 min
 Lab File: VU024868.D
 Acq: 25 Jun 2018 12:29

Tgt Ion: 93 Resp: 35245
 Ion Ratio Lower Upper
 93 100
 95 82.4 65.5 98.3
 174 103.3 78.7 118.1





#47

Bromodichloromethane

Concen: 19.98 ug/l

RT: 6.76 min Scan# 1919

Delta R.T. -0.00 min

Lab File: VU024868.D

Acq: 25 Jun 2018 12:29

Instrument :
MSVOA_U
ClientSampleId :

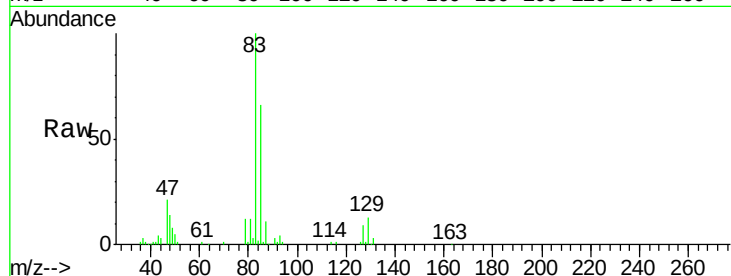
Tot Ion: 83 Resp: 67842

Ion Ratio Lower Upper

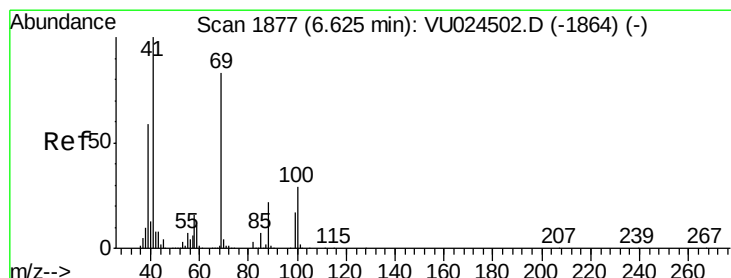
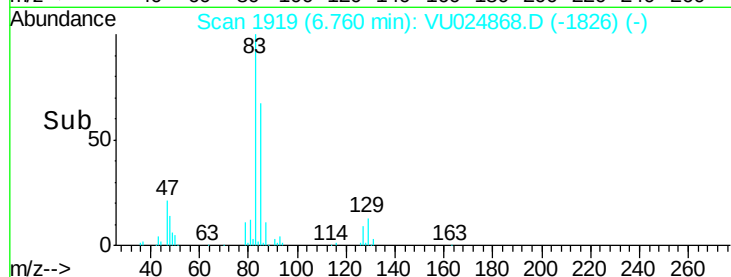
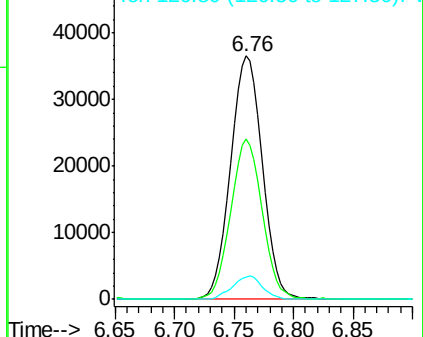
83 100

85 66.0 51.9 77.9

127 9.2 6.6 9.8



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



#48

Methyl methacrylate

Concen: 20.04 ug/l

RT: 6.63 min Scan# 1877

Delta R.T. -0.00 min

Lab File: VU024868.D

Acq: 25 Jun 2018 12:29

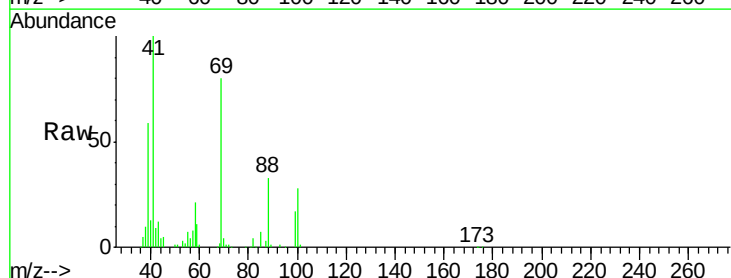
Tgt Ion: 41 Resp: 58706

Ion Ratio Lower Upper

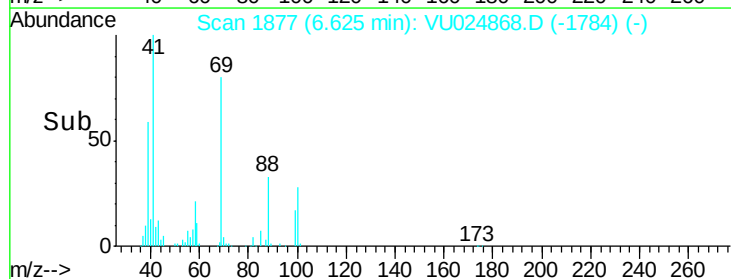
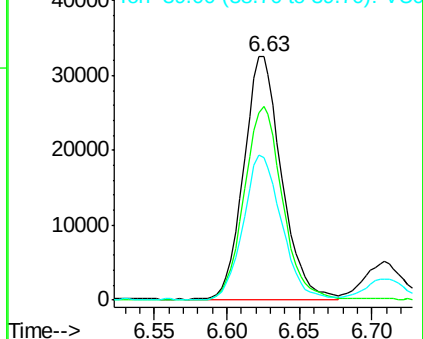
41 100

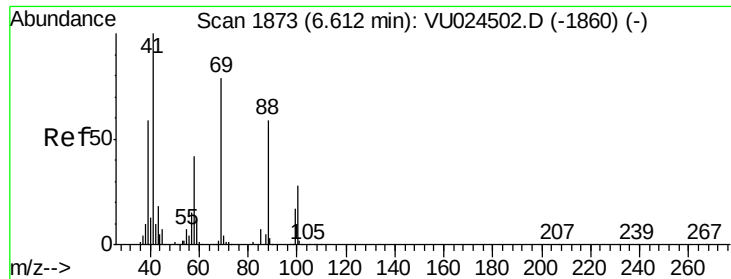
69 81.1 67.3 100.9

39 61.2 46.5 69.7



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

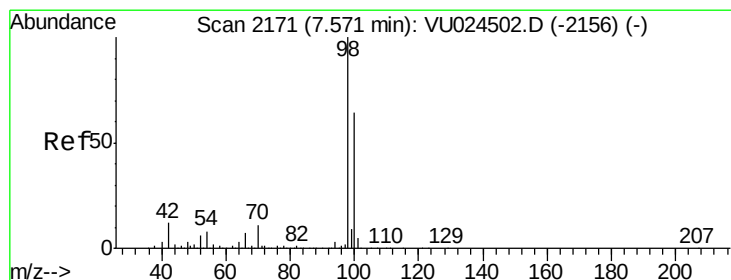
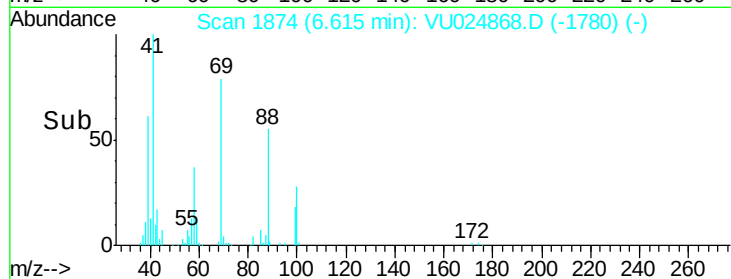
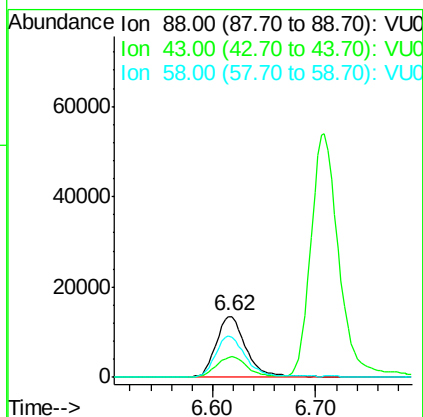
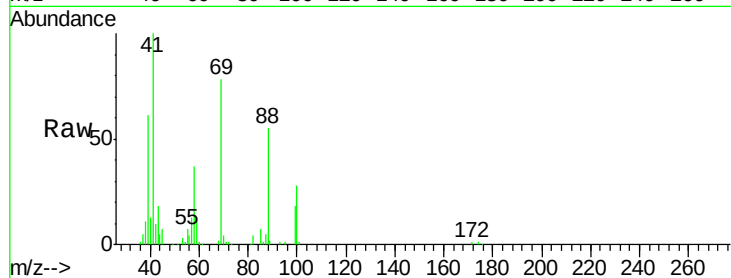




#49
1,4-Dioxane
Concen: 478.85 ug/l
RT: 6.62 min Scan# 1874
Delta R.T. 0.00 min
Lab File: VU024868.D
Acq: 25 Jun 2018 12:29

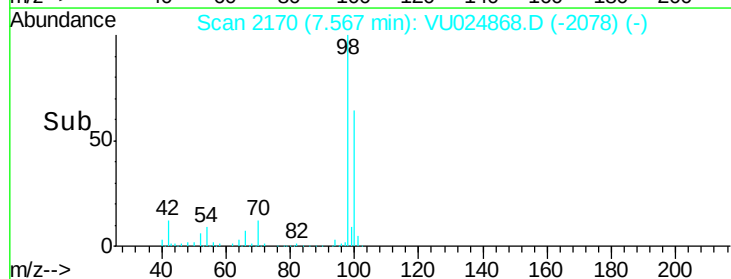
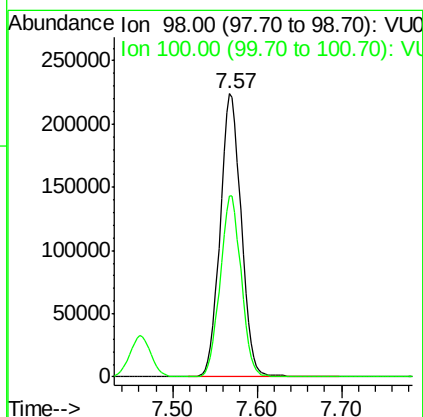
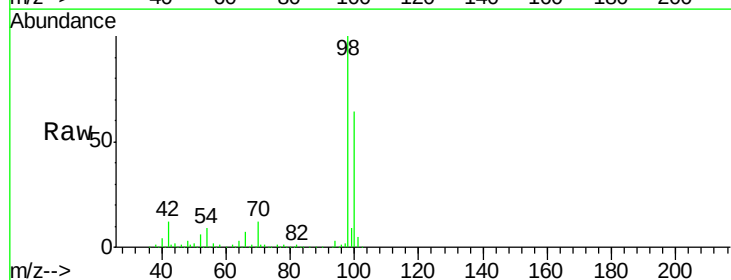
Instrument :
MSVOA_U
ClientSampleId :

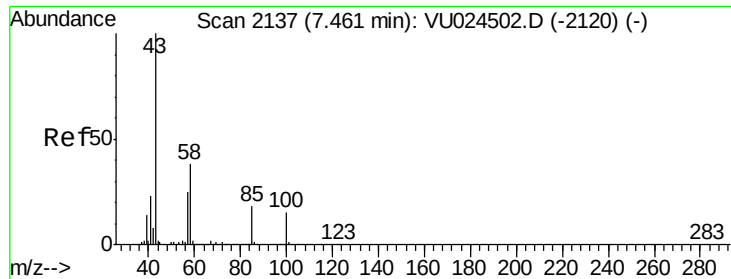
Tot Ion: 88 Resp: 27435
Ion Ratio Lower Upper
88 100
43 36.0 28.6 42.8
58 67.8 58.2 87.4



#50
Toluene-d8
Concen: 47.30 ug/l
RT: 7.57 min Scan# 2170
Delta R.T. -0.00 min
Lab File: VU024868.D
Acq: 25 Jun 2018 12:29

Tgt Ion: 98 Resp: 389112
Ion Ratio Lower Upper
98 100
100 63.6 51.1 76.7

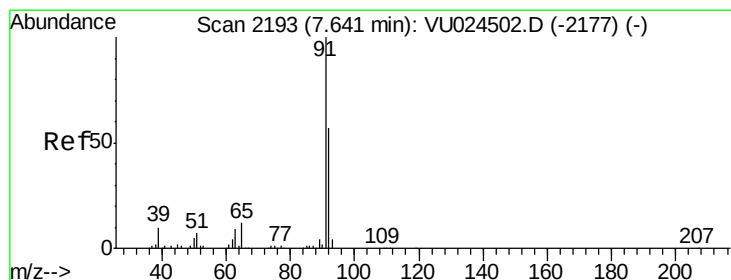
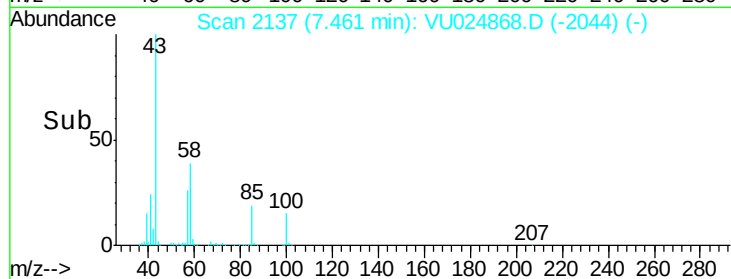
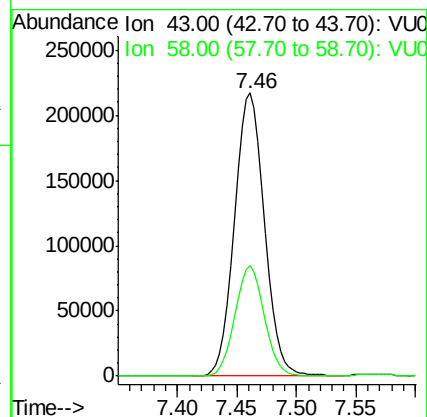
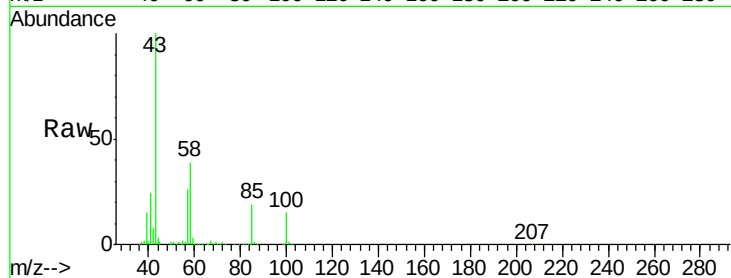




#51
 4-Methyl-2-Pentanone
 Concen: 100.34 ug/l
 RT: 7.46 min Scan# 2137
 Delta R.T. -0.00 min
 Lab File: VU024868.D
 Acq: 25 Jun 2018 12:29

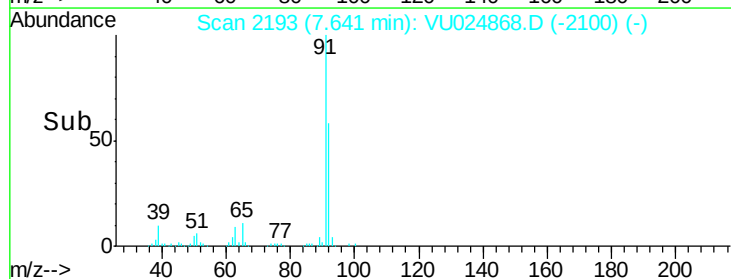
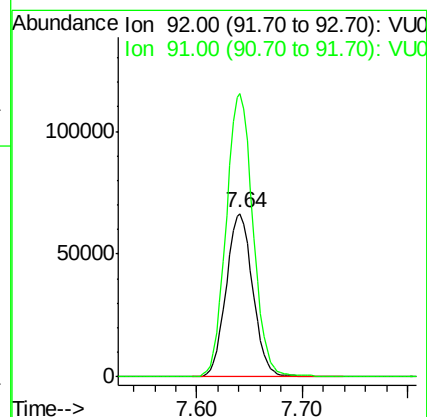
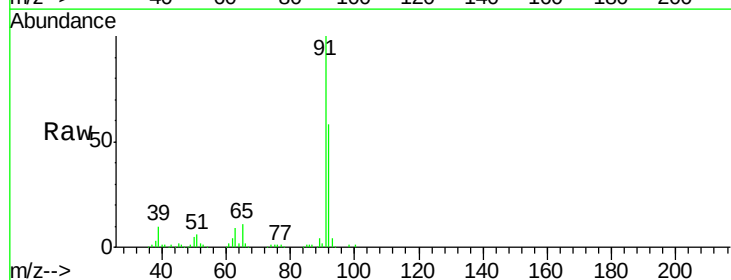
Instrument :
 MSVOA_U
 ClientSampled :

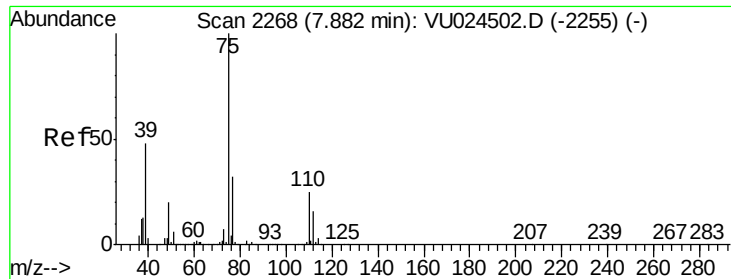
Tot Ion: 43 Resp: 379271
 Ion Ratio Lower Upper
 43 100
 58 38.4 30.0 45.0



#52
 Toluene
 Concen: 19.90 ug/l
 RT: 7.64 min Scan# 2193
 Delta R.T. -0.00 min
 Lab File: VU024868.D
 Acq: 25 Jun 2018 12:29

Tgt Ion: 92 Resp: 116478
 Ion Ratio Lower Upper
 92 100
 91 174.2 140.5 210.7

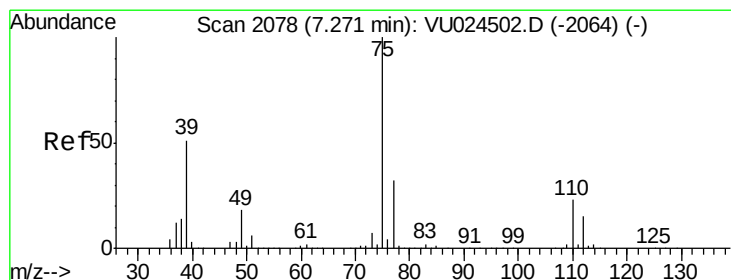
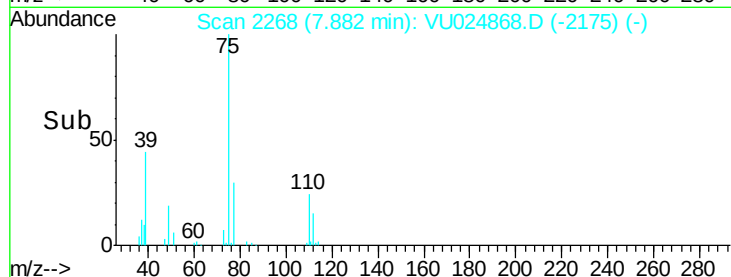
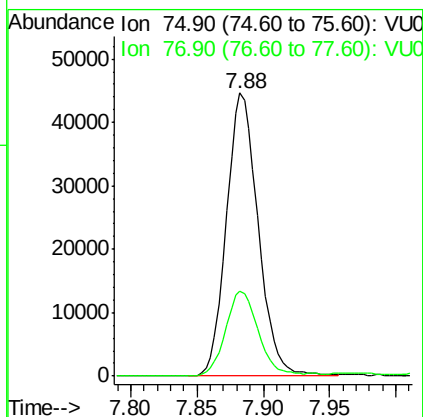
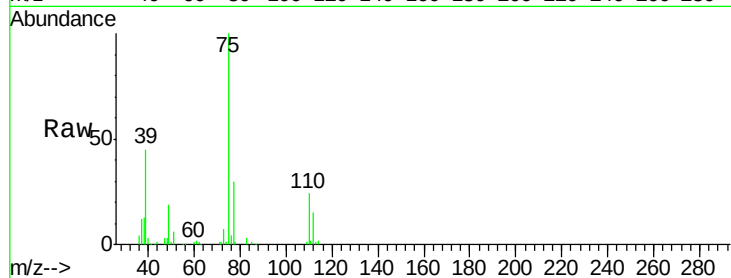




#53
t-1,3-Dichloropropene
Concen: 19.52 ug/l
RT: 7.88 min Scan# 2268
Delta R.T. -0.00 min
Lab File: VU024868.D
Acq: 25 Jun 2018 12:29

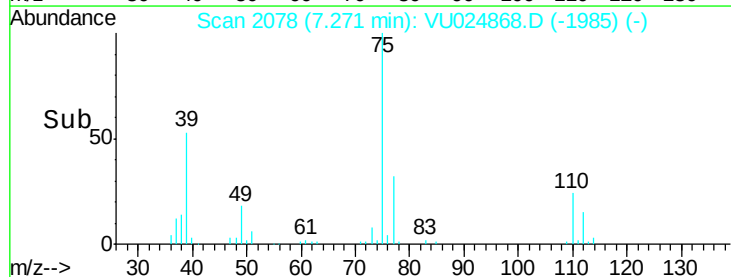
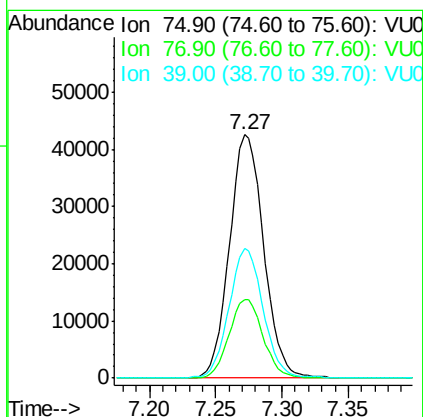
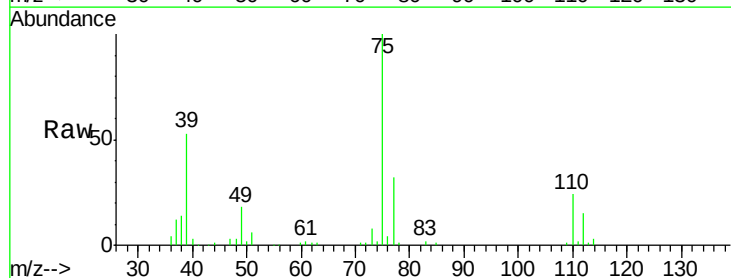
Instrument :
MSVOA_U
ClientSampleId :

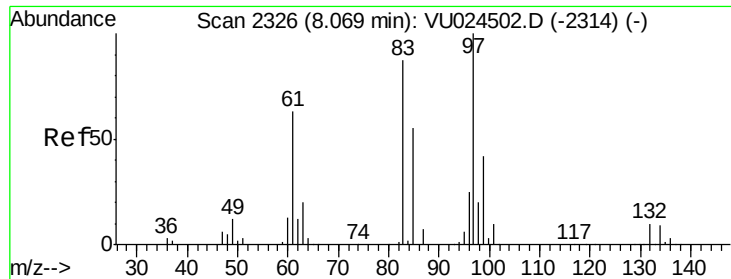
Tot Ion: 75 Resp: 74463
Ion Ratio Lower Upper
75 100
77 30.2 24.8 37.2



#54
cis-1,3-Dichloropropene
Concen: 18.82 ug/l
RT: 7.27 min Scan# 2078
Delta R.T. -0.00 min
Lab File: VU024868.D
Acq: 25 Jun 2018 12:29

Tgt Ion: 75 Resp: 76470
Ion Ratio Lower Upper
75 100
77 32.1 24.6 36.8
39 53.1 39.8 59.6

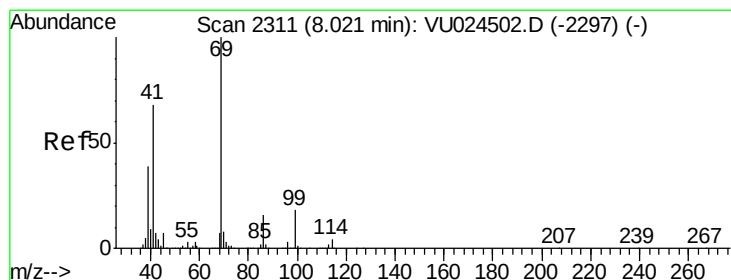
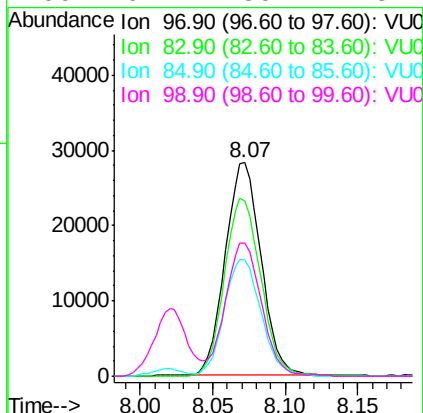
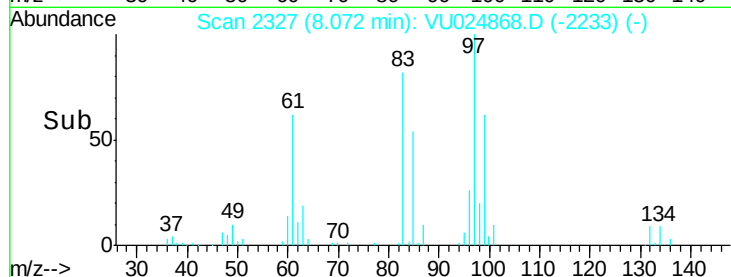
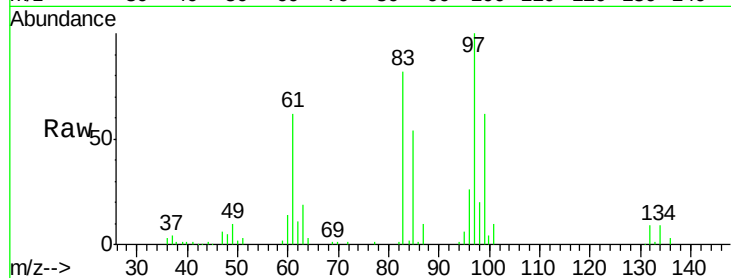




#55
 1,1,2-Trichloroethane
 Concen: 20.38 ug/l
 RT: 8.07 min Scan# 2327
 Delta R.T. 0.00 min
 Lab File: VU024868.D
 Acq: 25 Jun 2018 12:29

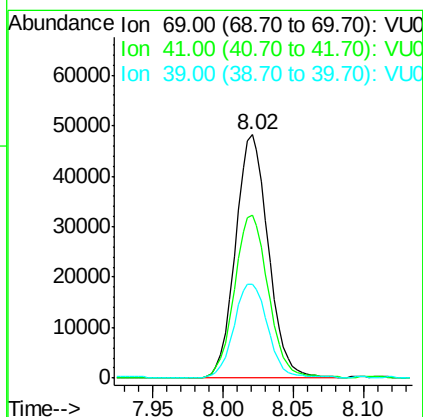
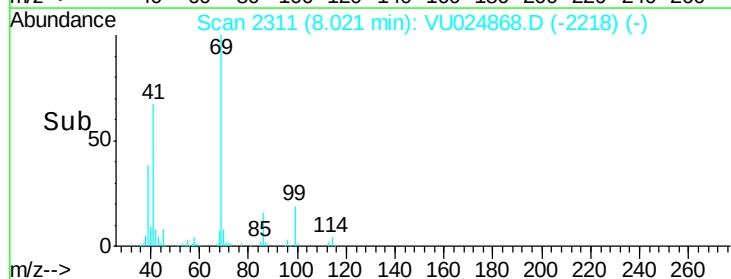
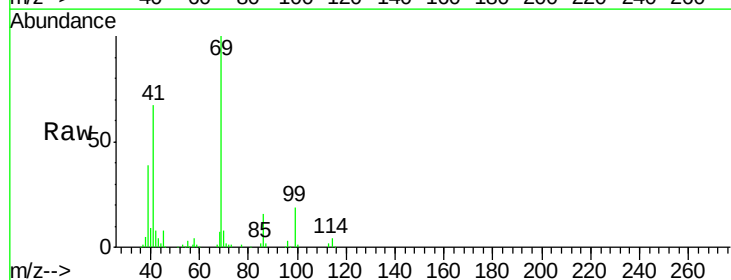
Instrument :
 MSVOA_U
 ClientSampleId :

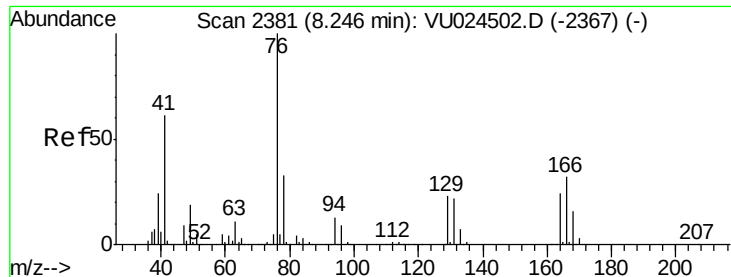
Tot Ion:	97	Resp:	48503
Ion	Ratio	Lower	Upper
97	100		
83	82.3	70.5	105.7
85	54.6	46.4	69.6
99	62.7	50.2	75.2



#56
 Ethyl methacrylate
 Concen: 19.82 ug/l
 RT: 8.02 min Scan# 2311
 Delta R.T. -0.00 min
 Lab File: VU024868.D
 Acq: 25 Jun 2018 12:29

Tgt Ion:	69	Resp:	78953
Ion	Ratio	Lower	Upper
69	100		
41	69.2	54.1	81.1
39	40.3	30.3	45.5

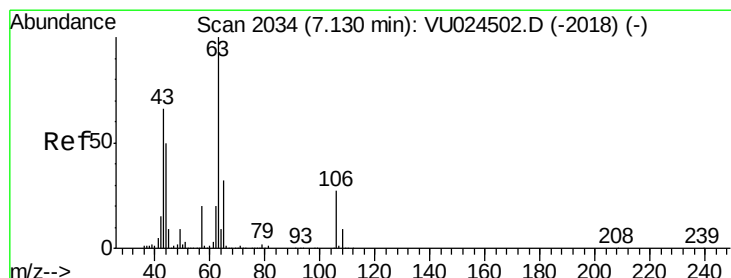
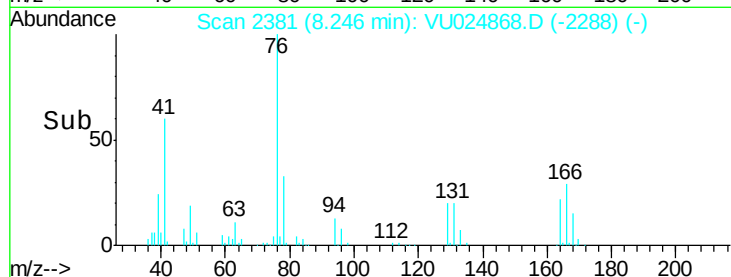
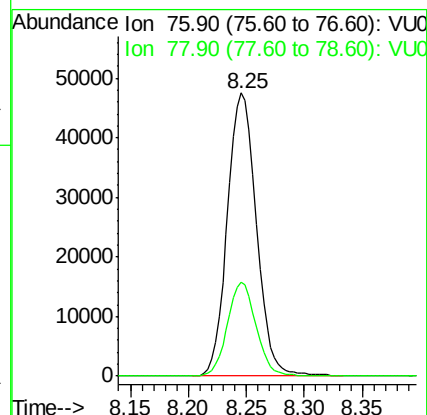
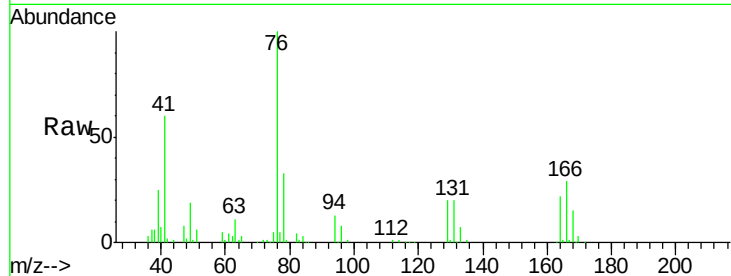




#57
 1,3-Dichloropropane
 Concen: 20.50 ug/l
 RT: 8.25 min Scan# 2381
 Delta R.T. -0.00 min
 Lab File: VU024868.D
 Acq: 25 Jun 2018 12:29

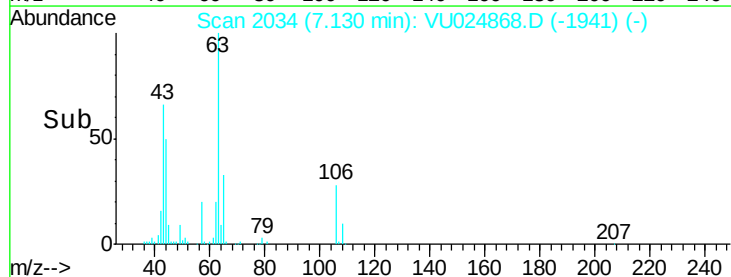
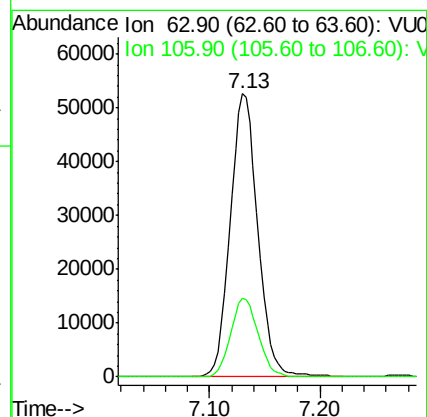
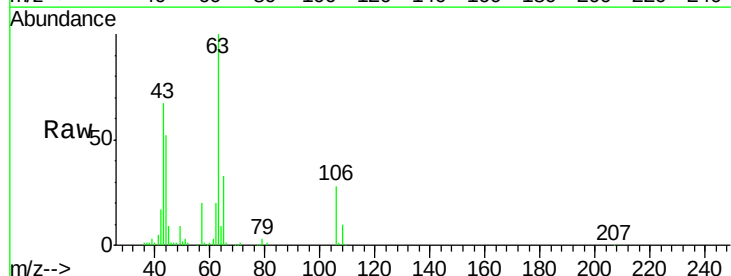
Instrument :
 MSVOA_U
 ClientSampled :

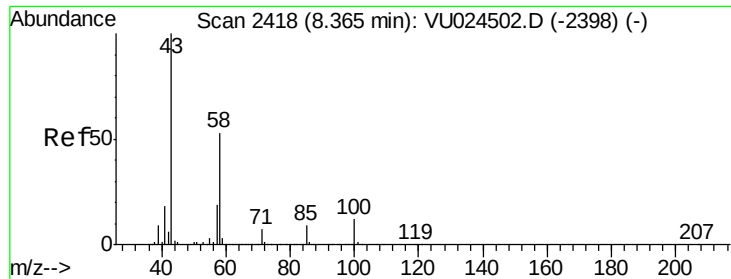
Tot Ion: 76 Resp: 82315
 Ion Ratio Lower Upper
 76 100
 78 32.5 25.2 37.8



#58
 2-Chloroethyl Vinyl ether
 Concen: 59.60 ug/l
 RT: 7.13 min Scan# 2034
 Delta R.T. -0.00 min
 Lab File: VU024868.D
 Acq: 25 Jun 2018 12:29

Tgt Ion: 63 Resp: 90941
 Ion Ratio Lower Upper
 63 100
 106 27.7 20.2 30.2

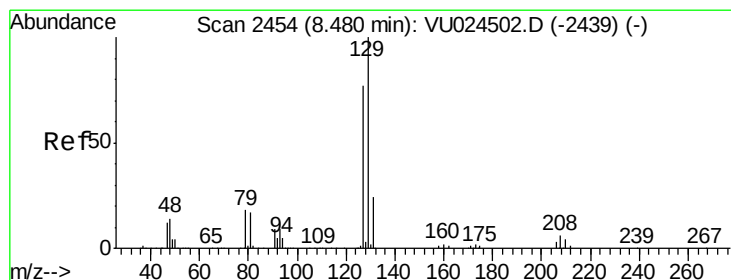
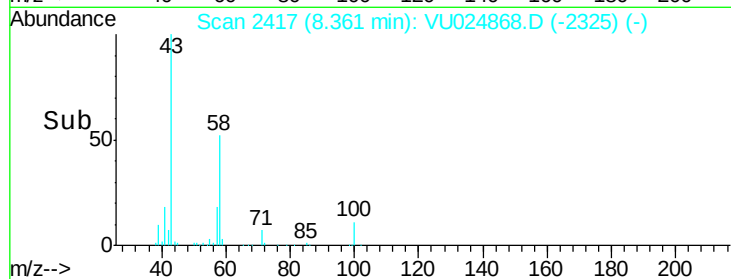
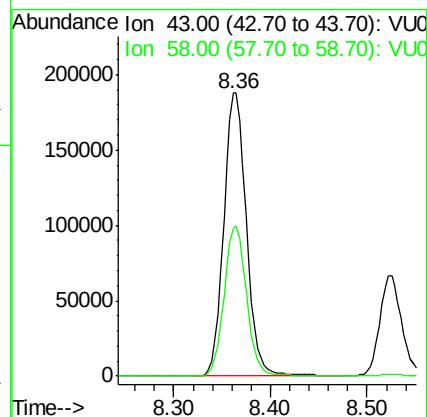
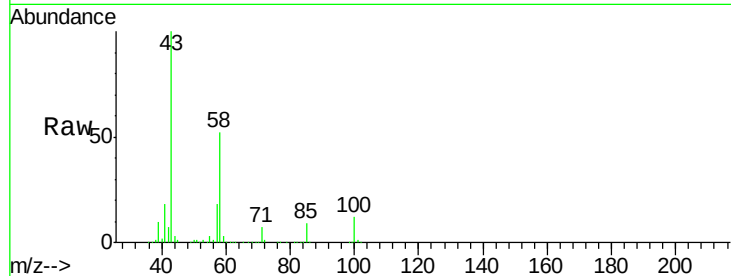




#59
2-Hexanone
Concen: 98.85 ug/l
RT: 8.36 min Scan# 2417
Delta R.T. -0.00 min
Lab File: VU024868.D
Acq: 25 Jun 2018 12:29

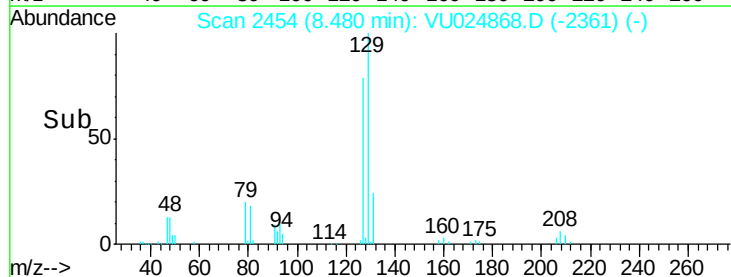
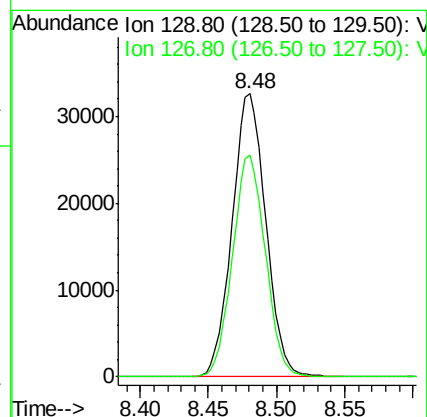
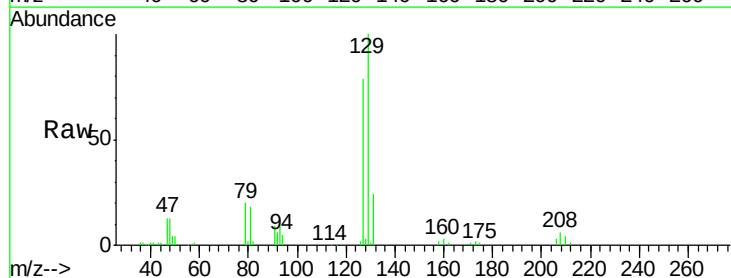
Instrument :
MSVOA_U
ClientSampleId :

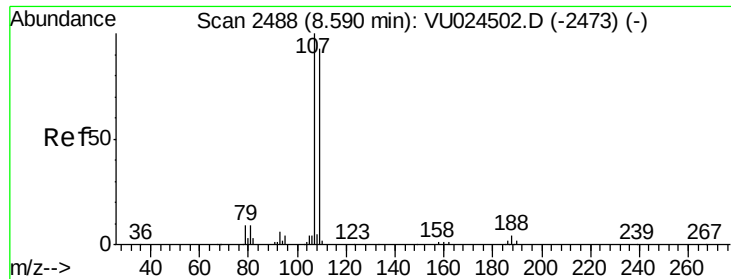
Tot Ion: 43 Resp: 305044
Ion Ratio Lower Upper
43 100
58 52.8 26.4 79.0



#60
Dibromochloromethane
Concen: 18.88 ug/l
RT: 8.48 min Scan# 2454
Delta R.T. -0.00 min
Lab File: VU024868.D
Acq: 25 Jun 2018 12:29

Tgt Ion:129 Resp: 56040
Ion Ratio Lower Upper
129 100
127 76.4 38.6 116.0





#61

1,2-Dibromoethane

Concen: 19.62 ug/l

RT: 8.59 min Scan# 2488

Delta R.T. -0.00 min

Lab File: VU024868.D

Acq: 25 Jun 2018 12:29

Instrument :

MSVOA_U

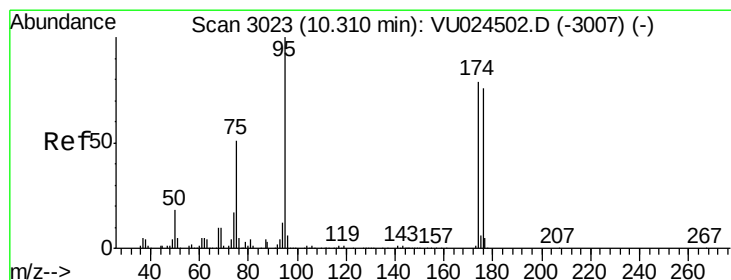
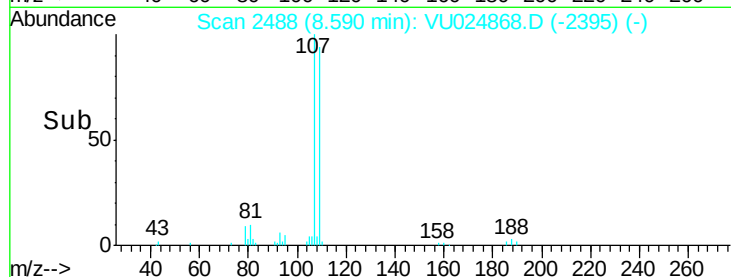
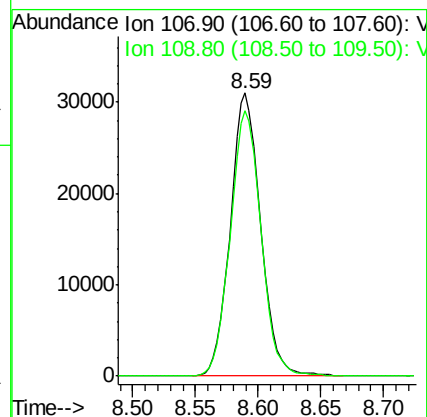
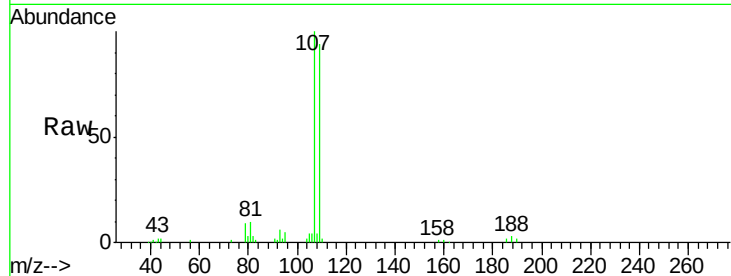
ClientSampleId :

Tot Ion:107 Resp: 51963

Ion Ratio Lower Upper

107 100

109 95.1 74.5 111.7



#62

4-Bromofluorobenzene

Concen: 46.85 ug/l

RT: 10.31 min Scan# 3023

Delta R.T. -0.00 min

Lab File: VU024868.D

Acq: 25 Jun 2018 12:29

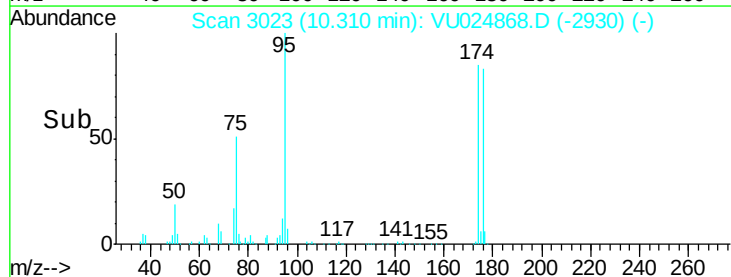
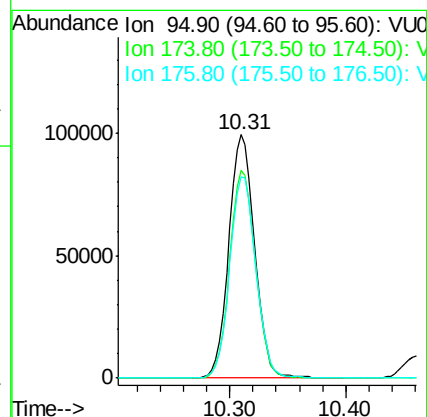
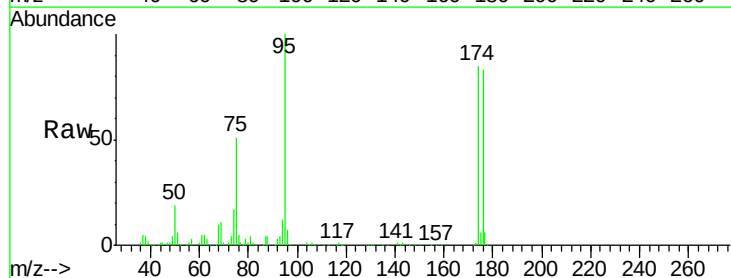
Tgt Ion: 95 Resp: 153036

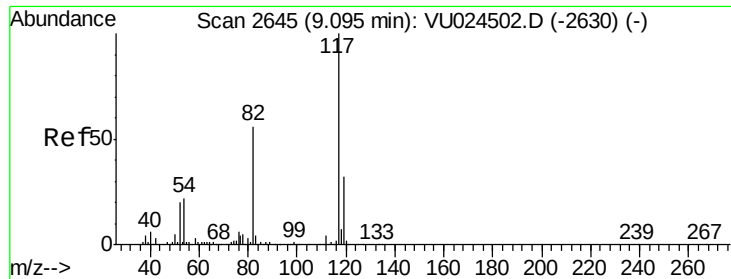
Ion Ratio Lower Upper

95 100

174 85.4 0.0 165.8

176 84.0 0.0 159.4

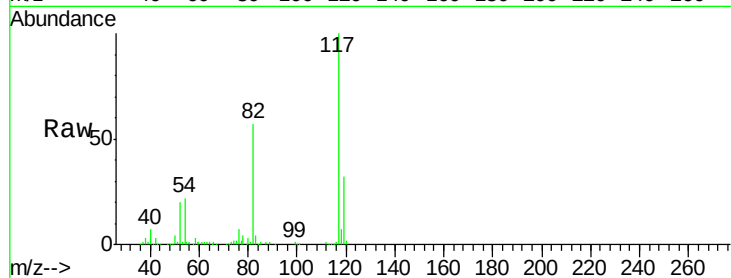




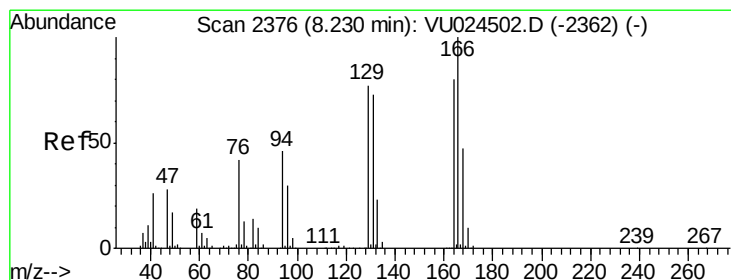
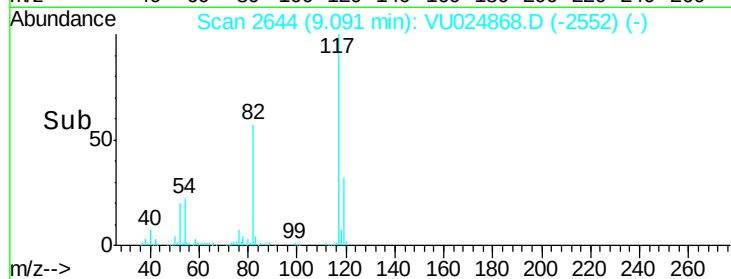
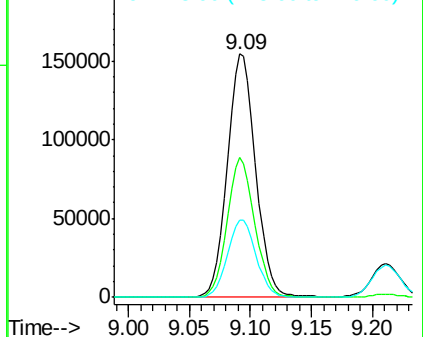
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 9.09 min Scan# 2644
Delta R.T. -0.00 min
Lab File: VU024868.D
Acq: 25 Jun 2018 12:29

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion:117 Resp: 251038
Ion Ratio Lower Upper
117 100
82 57.3 44.3 66.5
119 31.9 25.4 38.2

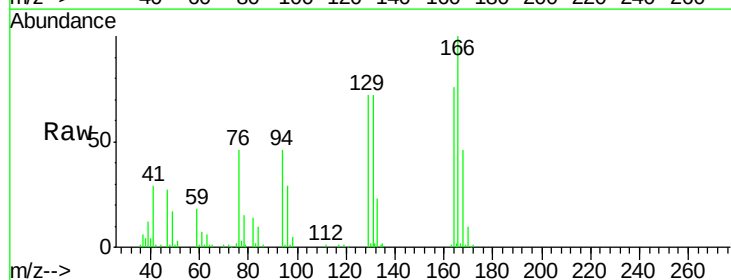


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

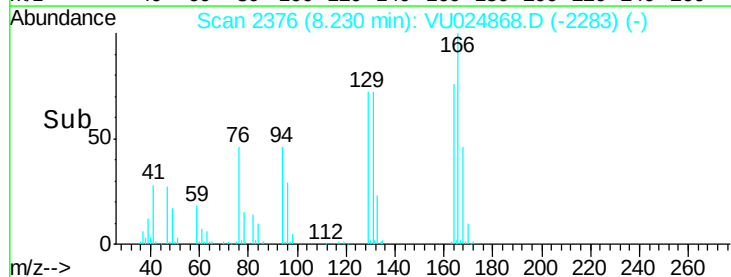
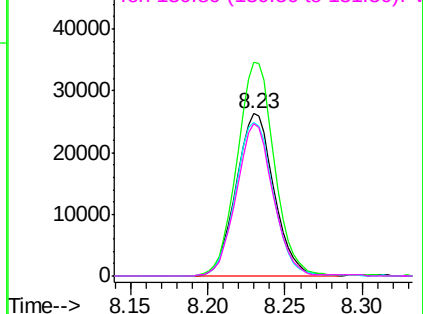


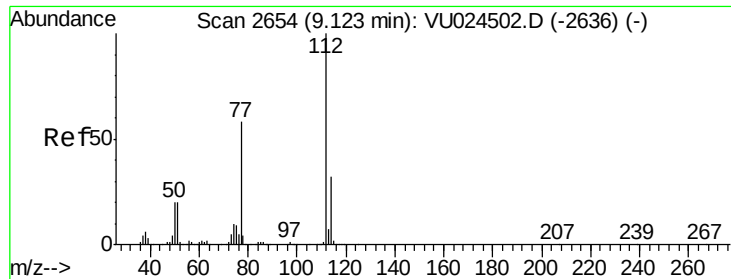
#64
Tetrachloroethene
Concen: 18.74 ug/l
RT: 8.23 min Scan# 2376
Delta R.T. -0.00 min
Lab File: VU024868.D
Acq: 25 Jun 2018 12:29

Tgt Ion:164 Resp: 44720
Ion Ratio Lower Upper
164 100
166 131.6 101.7 152.5
129 94.7 76.9 115.3
131 94.2 74.9 112.3



Abundance Ion 163.80 (163.50 to 164.50): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V

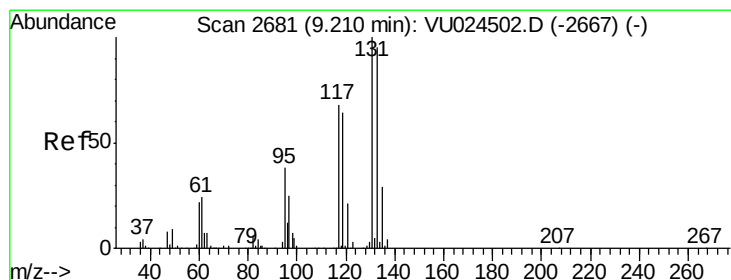
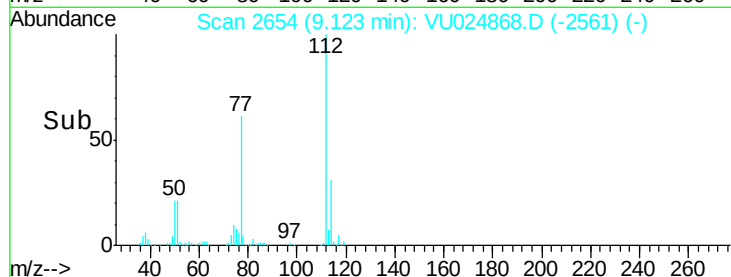
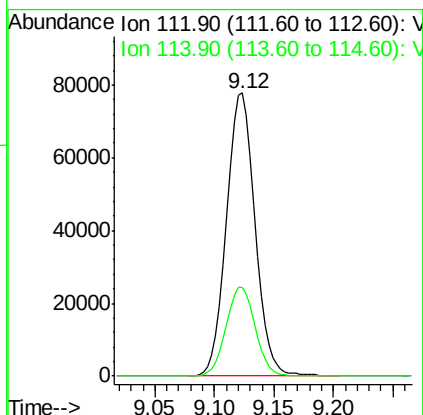
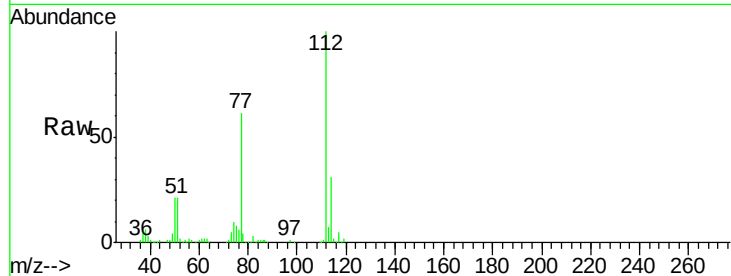




#65
Chlorobenzene
Concen: 20.26 ug/l
RT: 9.12 min Scan# 2654
Delta R.T. -0.00 min
Lab File: VU024868.D
Acq: 25 Jun 2018 12:29

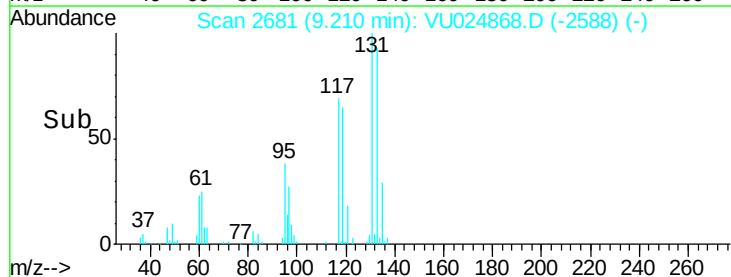
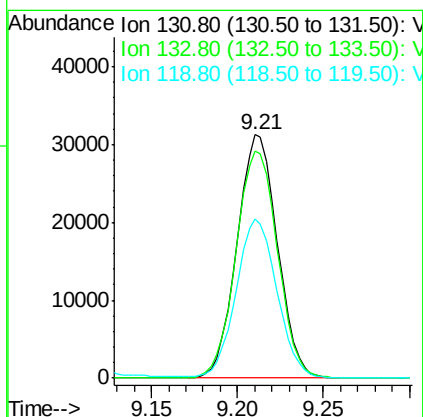
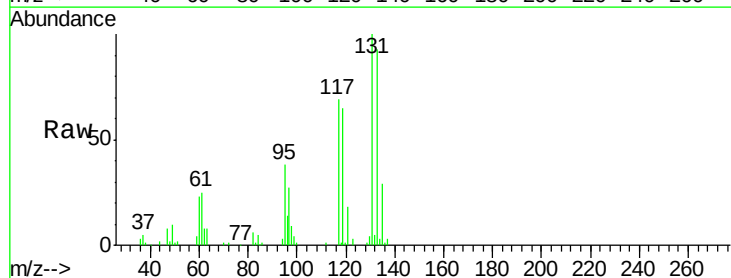
Instrument :
MSVOA_U
ClientSampleId :

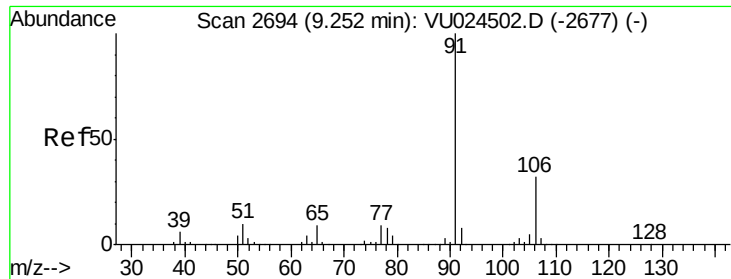
Tot Ion:112 Resp: 129938
Ion Ratio Lower Upper
112 100
114 31.3 25.6 38.4



#66
1,1,1,2-Tetrachloroethane
Concen: 20.97 ug/l
RT: 9.21 min Scan# 2681
Delta R.T. -0.00 min
Lab File: VU024868.D
Acq: 25 Jun 2018 12:29

Tgt Ion:131 Resp: 51103
Ion Ratio Lower Upper
131 100
133 95.9 46.9 140.8
119 66.5 33.5 100.4

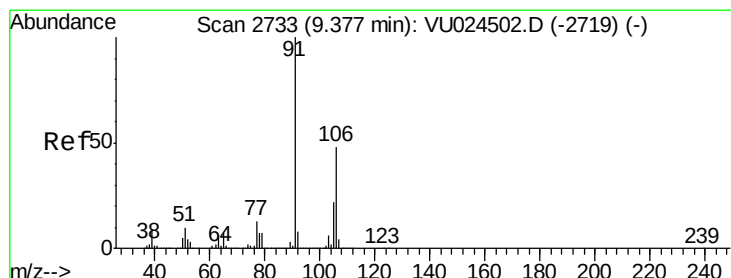
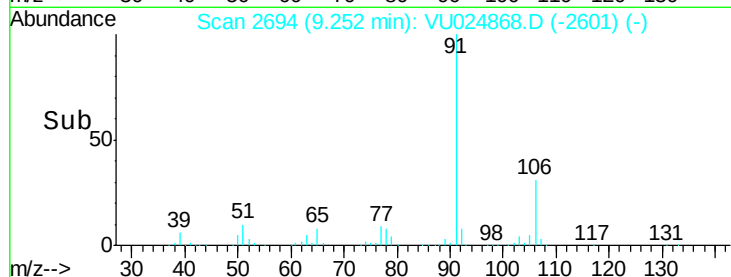
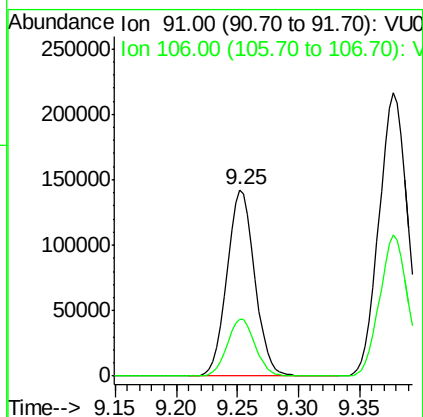
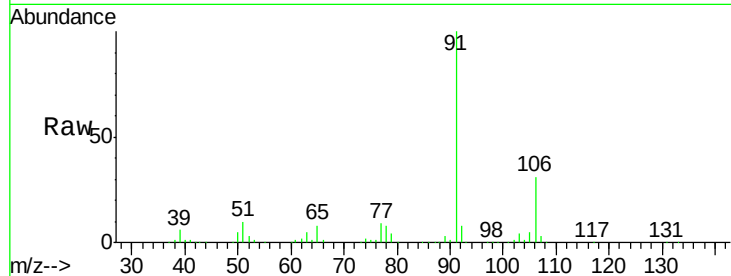




#67
Ethyl Benzene
Concen: 20.22 ug/l
RT: 9.25 min Scan# 2694
Delta R.T. -0.00 min
Lab File: VU024868.D
Acq: 25 Jun 2018 12:29

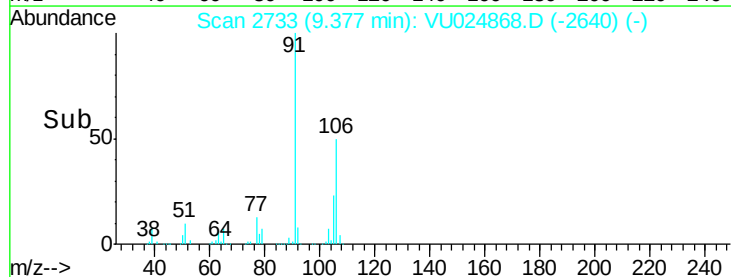
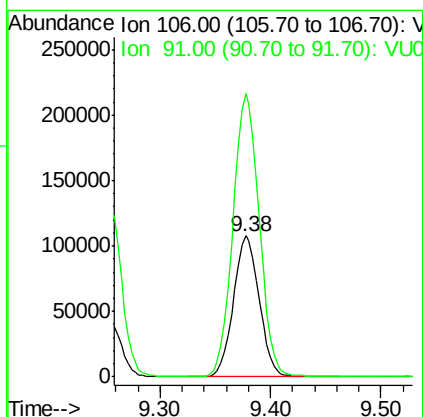
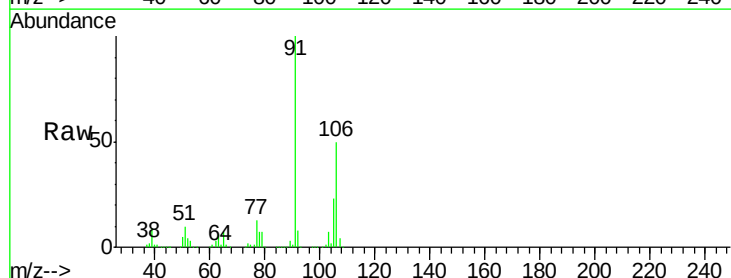
Instrument :
MSVOA_U
ClientSampleId :

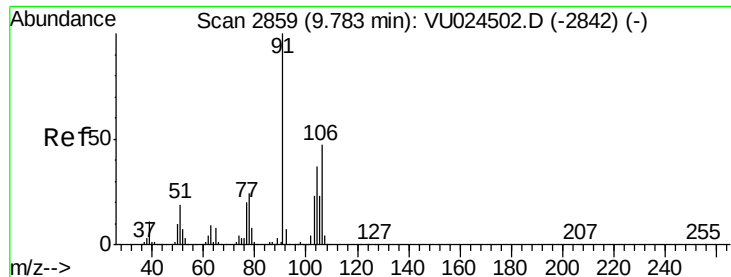
Tot Ion: 91 Resp: 227321
Ion Ratio Lower Upper
91 100
106 30.8 24.2 36.4



#68
m/p-Xylenes
Concen: 40.39 ug/l
RT: 9.38 min Scan# 2733
Delta R.T. -0.00 min
Lab File: VU024868.D
Acq: 25 Jun 2018 12:29

Tgt Ion: 106 Resp: 174373
Ion Ratio Lower Upper
106 100
91 204.6 166.5 249.7

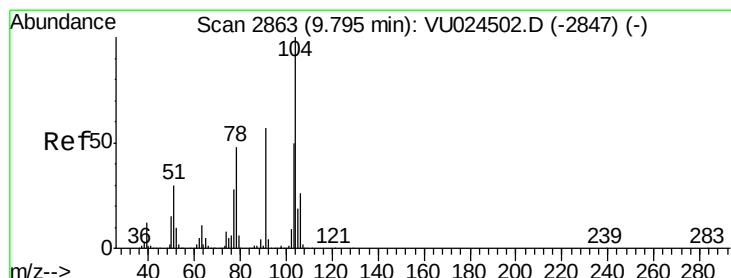
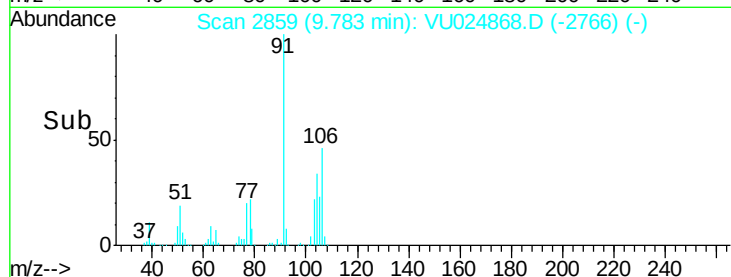
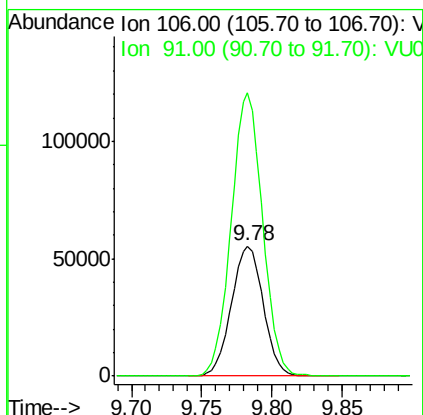
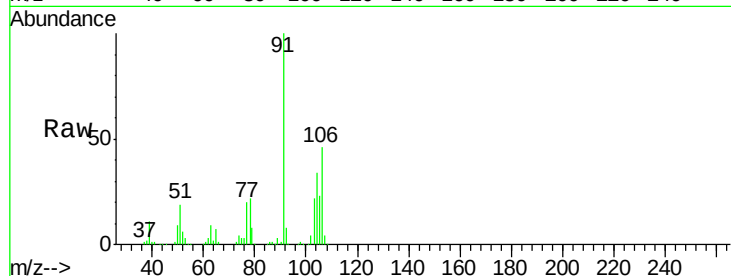




#69
o-Xylene
Concen: 20.53 ug/l
RT: 9.78 min Scan# 2859
Delta R.T. -0.00 min
Lab File: VU024868.D
Acq: 25 Jun 2018 12:29

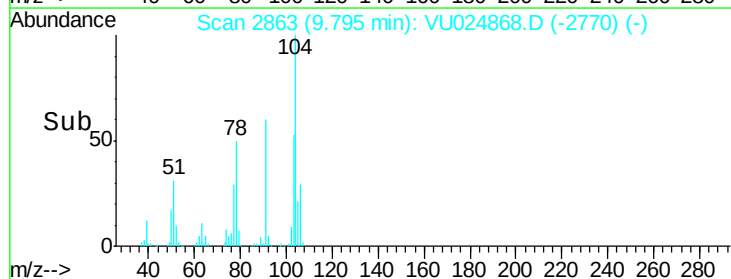
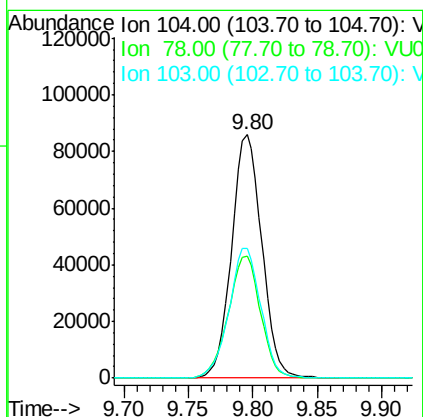
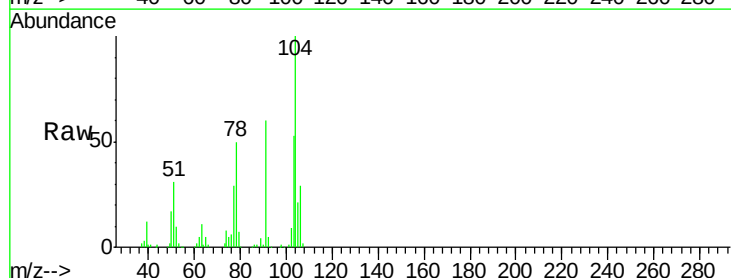
Instrument :
MSVOA_U
ClientSampled :

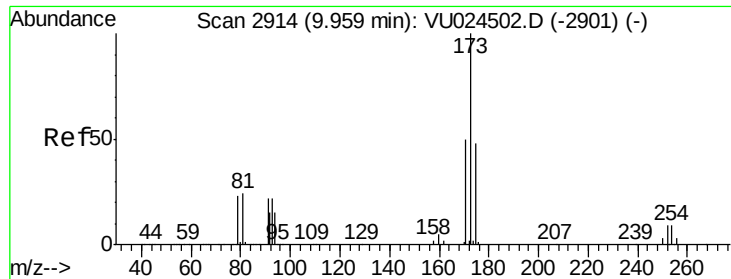
Tot Ion:106 Resp: 87727
Ion Ratio Lower Upper
106 100
91 214.4 110.7 331.9



#70
Styrene
Concen: 19.95 ug/l
RT: 9.80 min Scan# 2863
Delta R.T. -0.00 min
Lab File: VU024868.D
Acq: 25 Jun 2018 12:29

Tgt Ion:104 Resp: 140083
Ion Ratio Lower Upper
104 100
78 53.4 40.6 60.8
103 56.1 44.7 67.1





#71

Bromoform

Concen: 18.80 ug/l

RT: 9.96 min Scan# 2915

Delta R.T. 0.00 min

Lab File: VU024868.D

Acq: 25 Jun 2018 12:29

Instrument :
MSVOA_U
ClientSampleId :

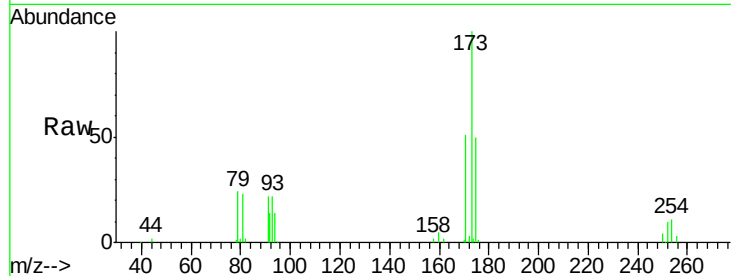
Tot Ion:173 Resp: 43545

Ion Ratio Lower Upper

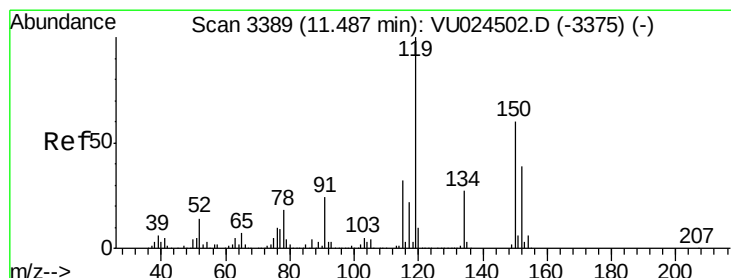
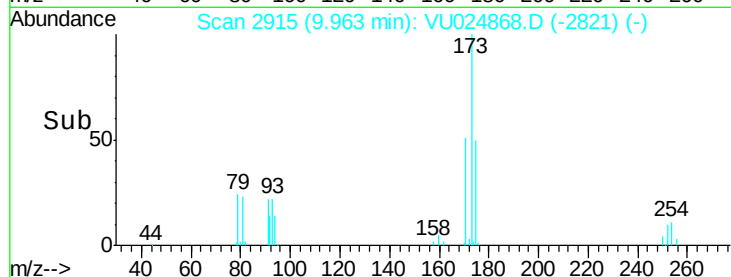
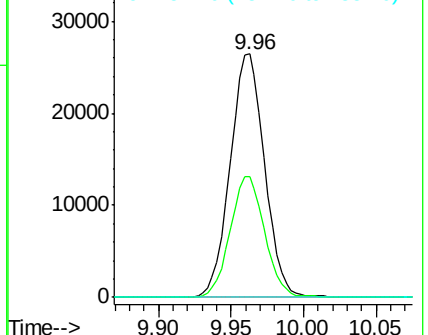
173 100

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: 50.00 ug/l

RT: 11.49 min Scan# 3389

Delta R.T. -0.00 min

Lab File: VU024868.D

Acq: 25 Jun 2018 12:29

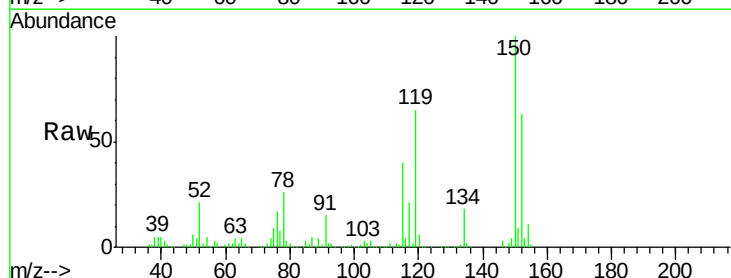
Tgt Ion:152 Resp: 146246

Ion Ratio Lower Upper

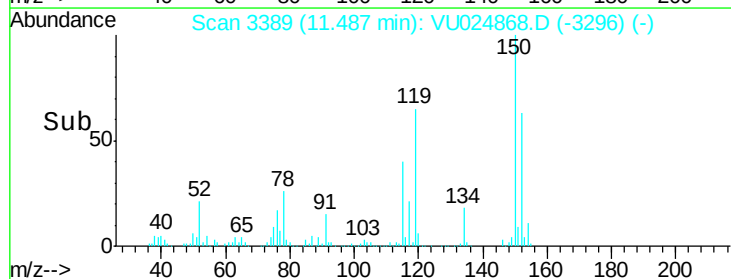
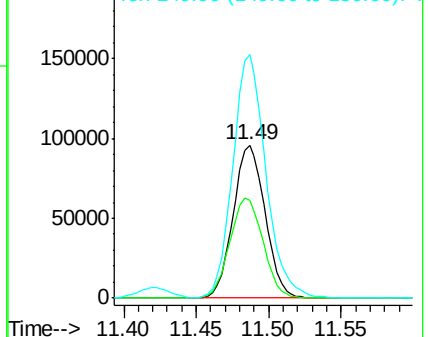
152 100

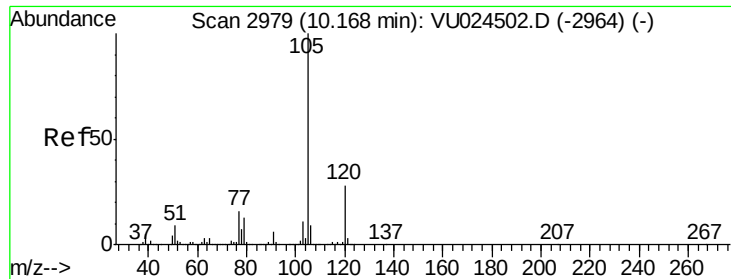
115 68.3 43.0 129.0

150 164.8 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: 21.00 ug/l

RT: 10.17 min Scan# 2979

Delta R.T. -0.00 min

Lab File: VU024868.D

Acq: 25 Jun 2018 12:29

Instrument :

MSVOA_U

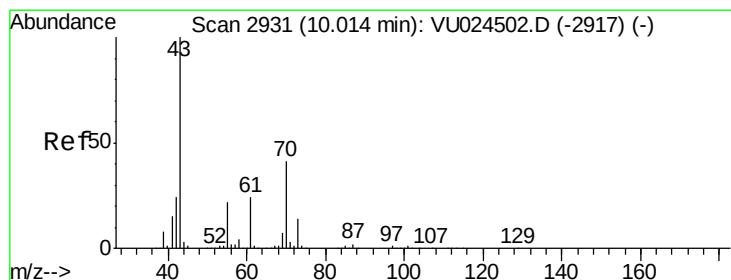
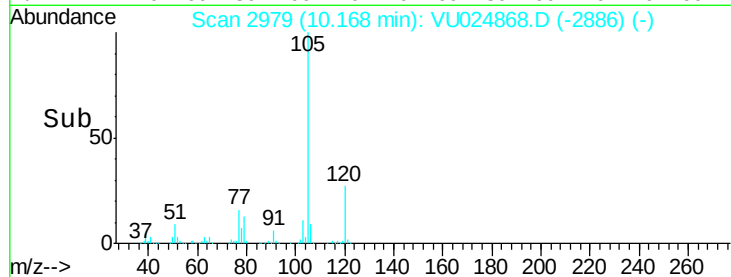
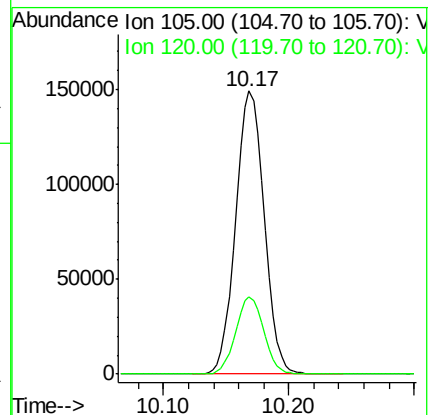
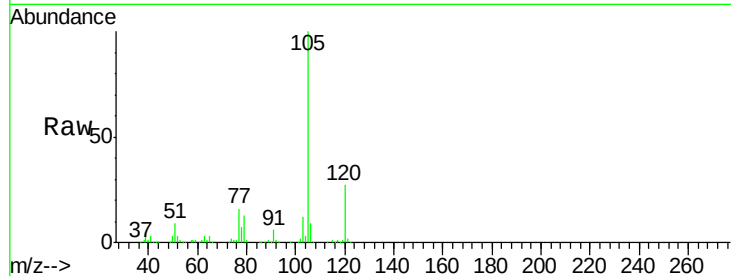
ClientSampleId :

Tot Ion:105 Resp: 235769

Ion Ratio Lower Upper

105 100

120 26.8 13.2 39.6



#74

N-ethyl acetate

Concen: 19.46 ug/l

RT: 10.01 min Scan# 2931

Delta R.T. -0.00 min

Lab File: VU024868.D

Acq: 25 Jun 2018 12:29

Tgt Ion: 43 Resp: 103923

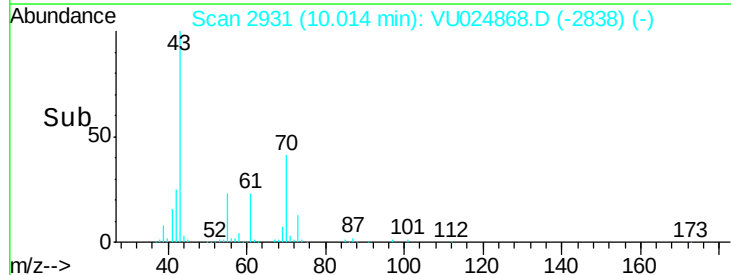
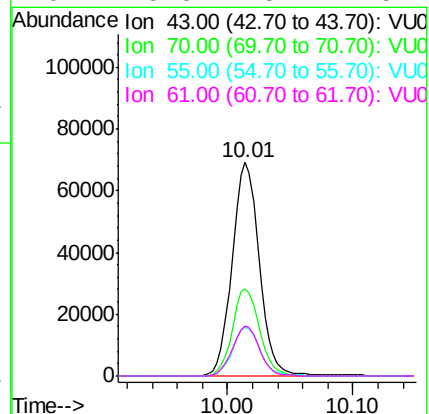
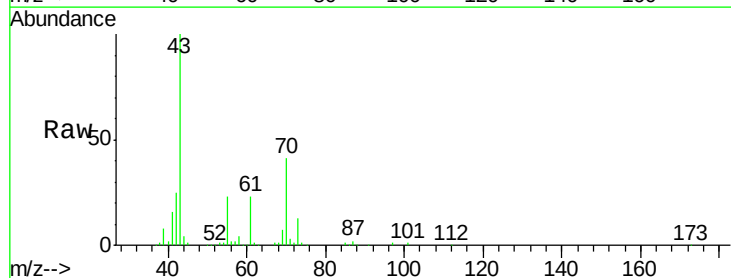
Ion Ratio Lower Upper

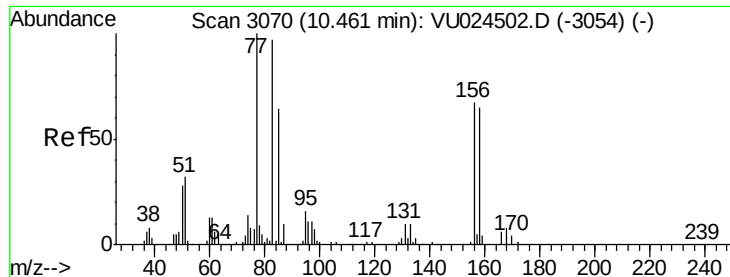
43 100

70 40.9 32.2 48.4

55 23.4 20.5 30.7

61 23.3 18.7 28.1





#75

1,1,2,2-Tetrachloroethane

Concen: 21.70 ug/l

RT: 10.46 min Scan# 3070

Delta R.T. -0.00 min

Lab File: VU024868.D

Acq: 25 Jun 2018 12:29

Instrument :

MSVOA_U

ClientSampleId :

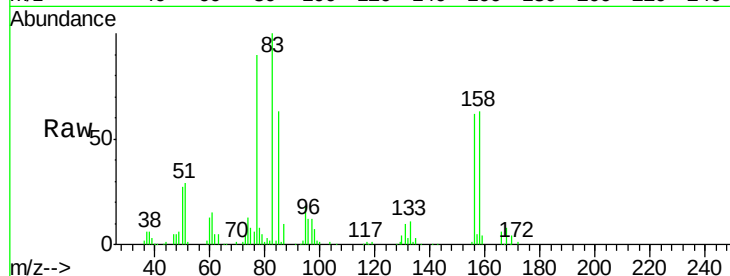
Tot Ion: 83 Resp: 81641

Ion Ratio Lower Upper

83 100

131 10.4 4.7 14.1

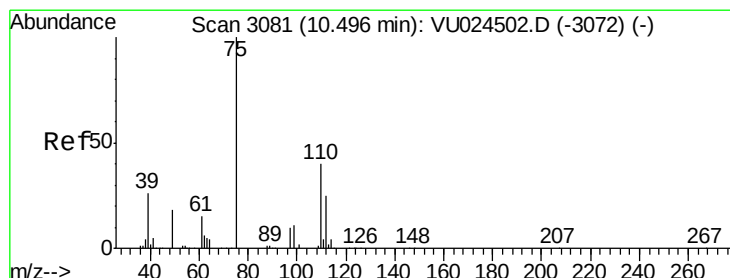
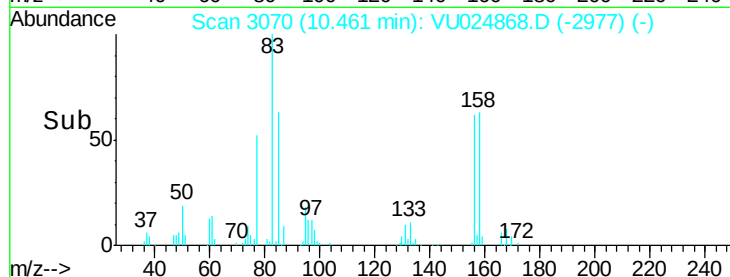
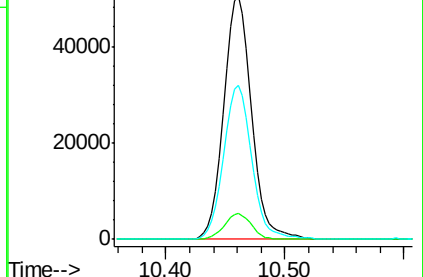
85 64.3 32.5 97.5



Abundance Ion 82.90 (82.60 to 83.60): VU024868.D (-2977) (-)

Ion 130.80 (130.50 to 131.50): VU024868.D (-2977) (-)

Ion 84.90 (84.60 to 85.60): VU024868.D (-2977) (-)



#76

1,2,3-Trichloropropane

Concen: 28.80 ug/l

RT: 10.50 min Scan# 3081

Delta R.T. -0.00 min

Lab File: VU024868.D

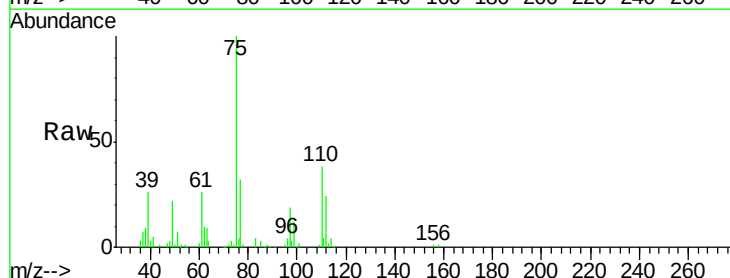
Acq: 25 Jun 2018 12:29

Tgt Ion: 75 Resp: 92721

Ion Ratio Lower Upper

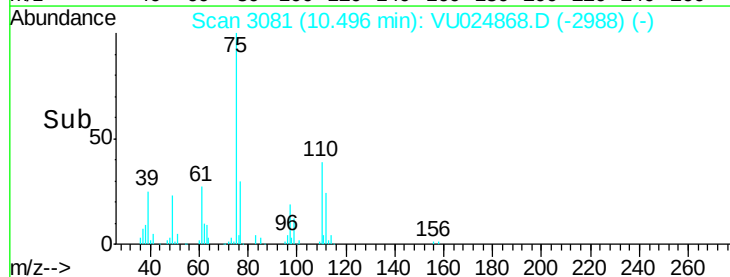
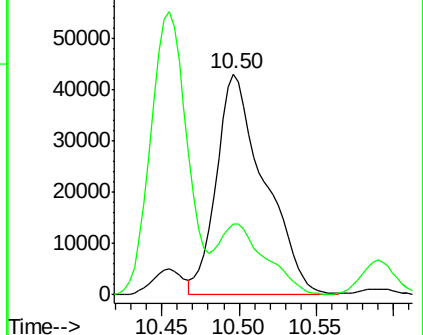
75 100

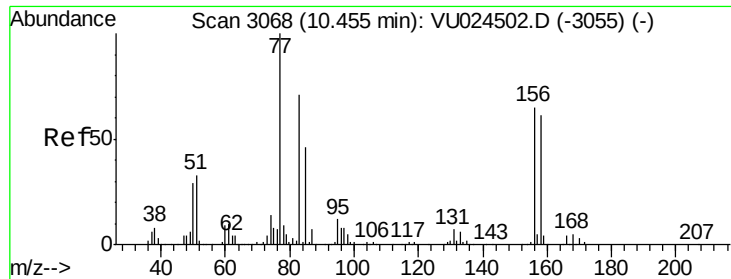
77 30.3 20.9 62.7



Abundance Ion 74.90 (74.60 to 75.60): VU024868.D (-2988) (-)

Ion 77.00 (76.70 to 77.70): VU024868.D (-2988) (-)





#77

Bromobenzene

Concen: 21.09 ug/l

RT: 10.45 min Scan# 3068

Delta R.T. -0.00 min

Lab File: VU024868.D

Acq: 25 Jun 2018 12:29

Instrument :

MSVOA_U

ClientSampled :

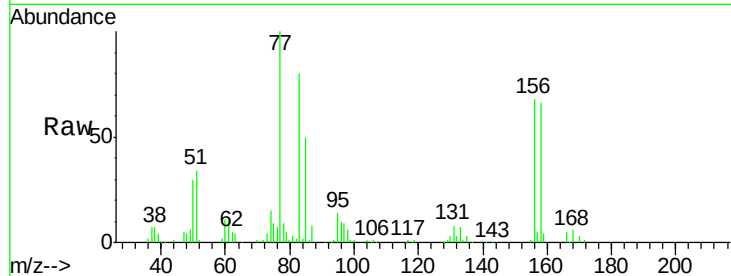
Tot Ion:156 Resp: 59945

Ion Ratio Lower Upper

156 100

77 151.0 80.5 241.3

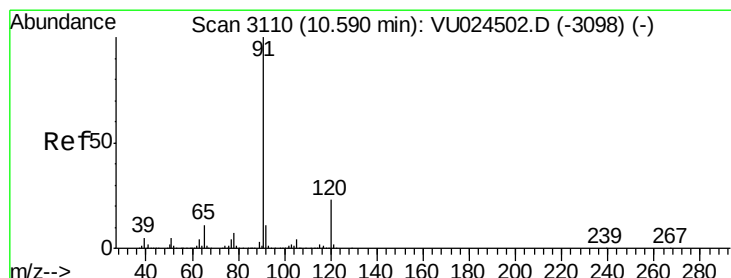
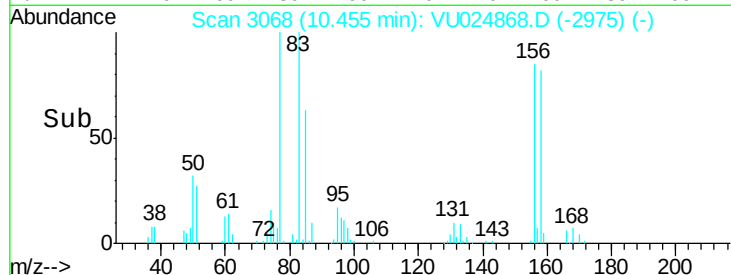
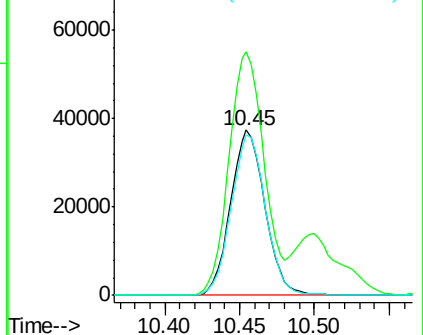
158 96.9 48.2 144.6



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: 19.96 ug/l

RT: 10.59 min Scan# 3110

Delta R.T. -0.00 min

Lab File: VU024868.D

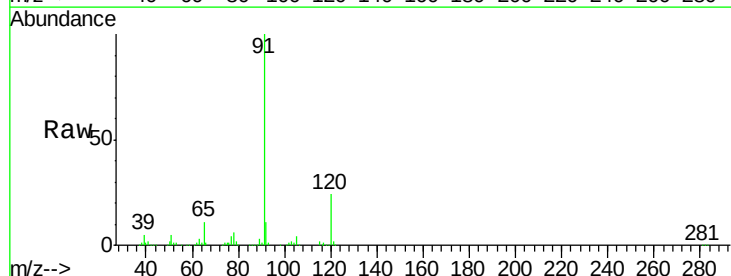
Acq: 25 Jun 2018 12:29

Tgt Ion: 91 Resp: 264047

Ion Ratio Lower Upper

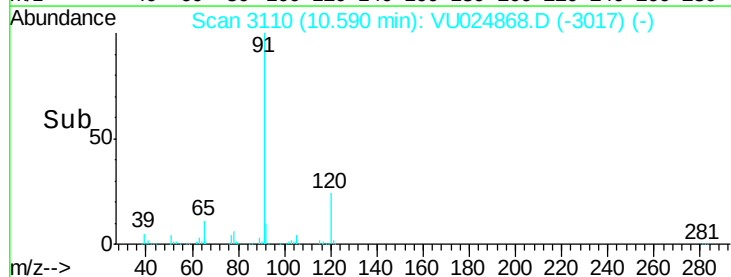
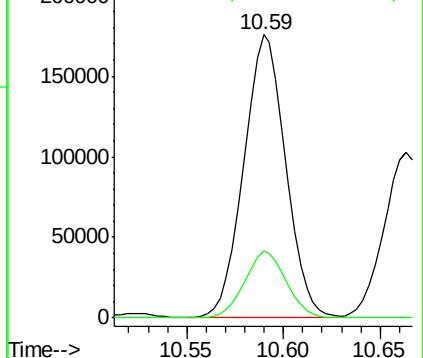
91 100

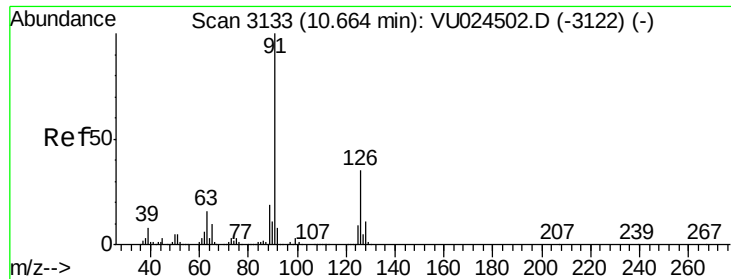
120 23.5 11.2 33.5



Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 20.77 ug/l

RT: 10.66 min Scan# 3133

Delta R.T. -0.00 min

Lab File: VU024868.D

Acq: 25 Jun 2018 12:29

Instrument :

MSVOA_U

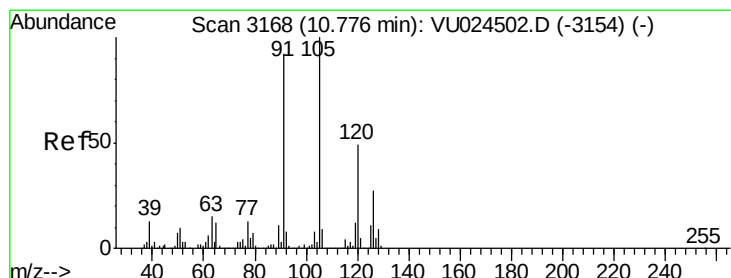
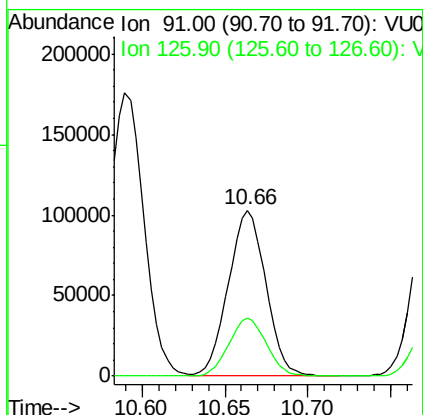
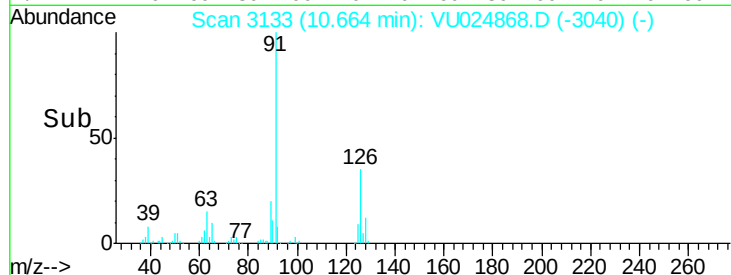
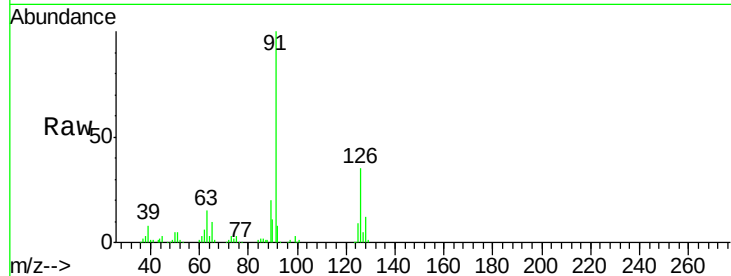
ClientSampled :

Tot Ion: 91 Resp: 162001

Ion Ratio Lower Upper

91 100

126 35.2 16.9 50.7



#80

1,3,5-Trimethylbenzene

Concen: 20.69 ug/l

RT: 10.78 min Scan# 3168

Delta R.T. -0.00 min

Lab File: VU024868.D

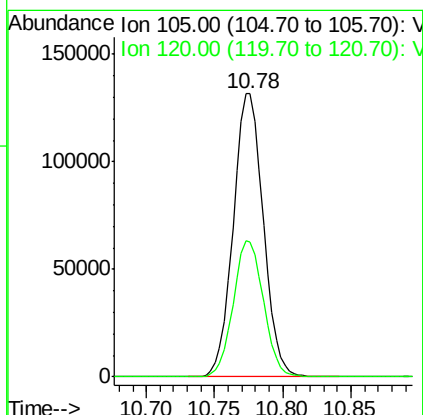
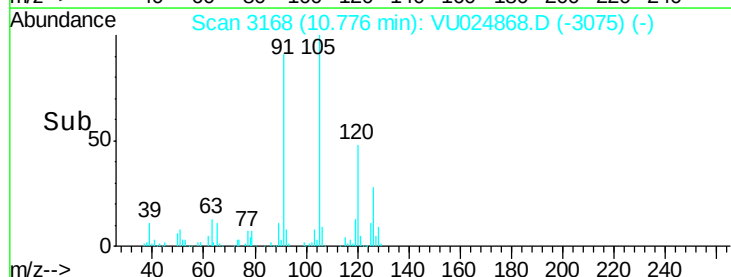
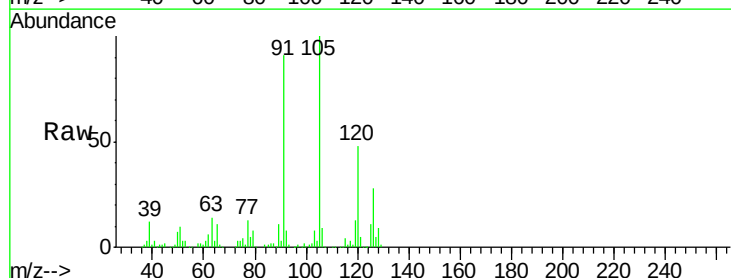
Acq: 25 Jun 2018 12:29

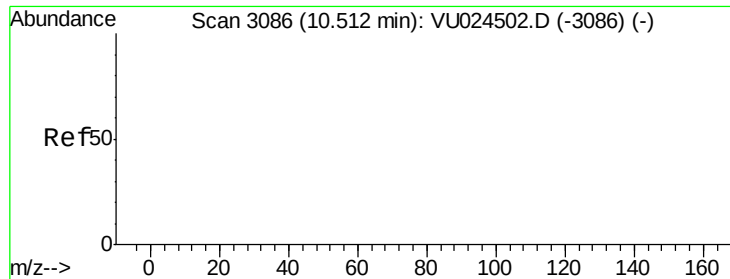
Tgt Ion: 105 Resp: 201372

Ion Ratio Lower Upper

105 100

120 48.3 24.1 72.2

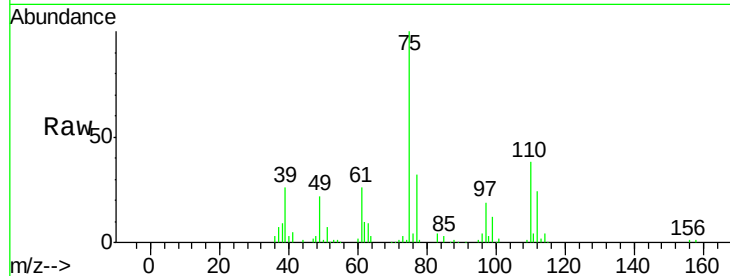




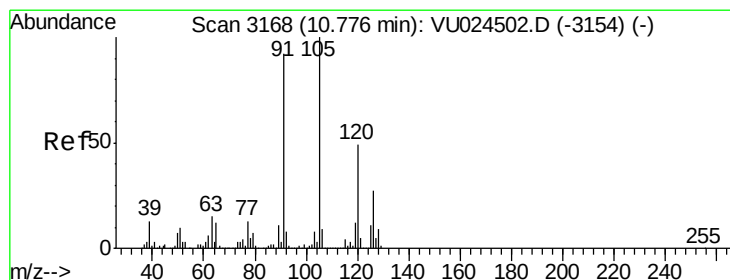
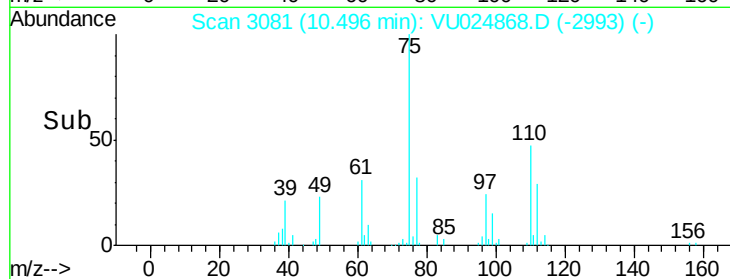
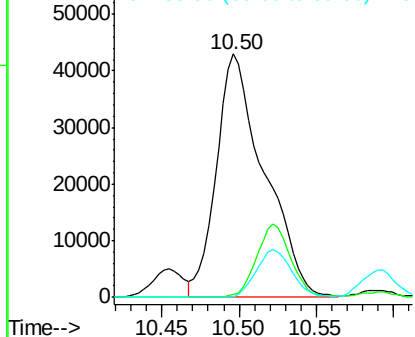
#81
trans-1,4-Dichloro-2-butene
Concen: 66.65 ug/l
RT: 10.50 min Scan# 3081
Delta R.T. -0.02 min
Lab File: VU024868.D
Acq: 25 Jun 2018 12:29

Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 75 Resp: 92721
Ion Ratio Lower Upper
75 100
53 0.0 0.0 0.0
89 0.0 0.0 0.0

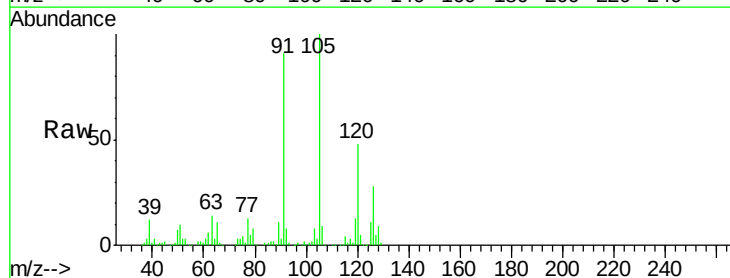


Abundance Ion 74.90 (74.60 to 75.60): VU0
Ion 53.00 (52.70 to 53.70): VU0
Ion 88.90 (88.60 to 89.60): VU0

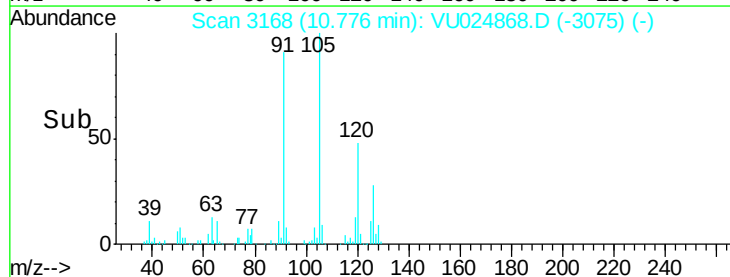
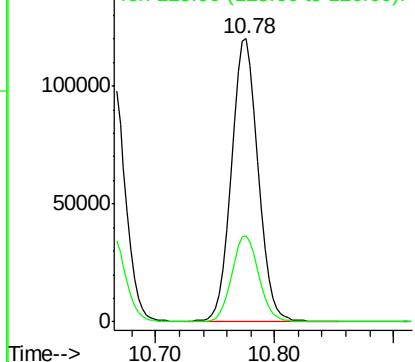


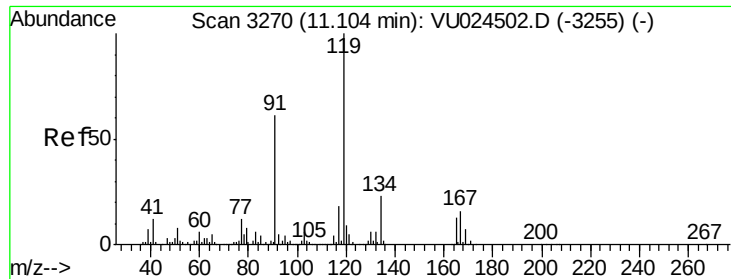
#82
4-Chlorotoluene
Concen: 20.45 ug/l
RT: 10.78 min Scan# 3168
Delta R.T. -0.00 min
Lab File: VU024868.D
Acq: 25 Jun 2018 12:29

Tgt Ion: 91 Resp: 185617
Ion Ratio Lower Upper
91 100
126 31.0 14.9 44.9



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

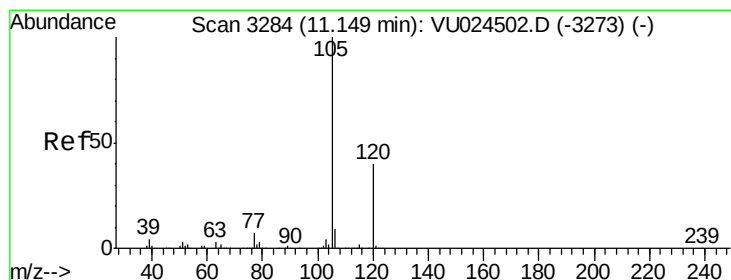
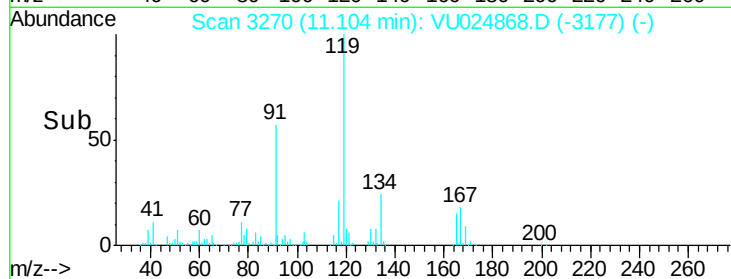
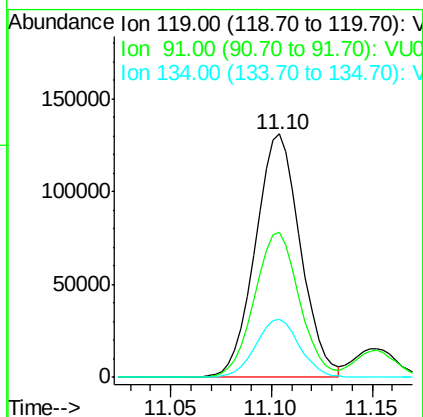
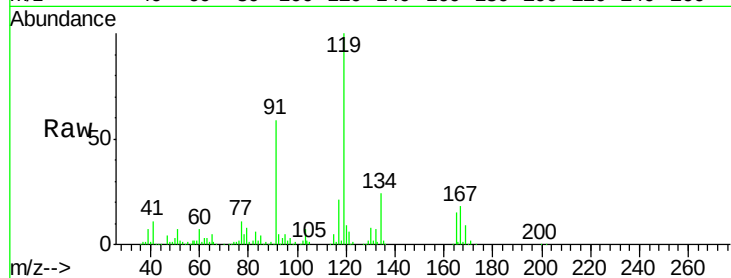




#83
 tert-Butylbenzene
 Concen: 21.81 ug/l
 RT: 11.10 min Scan# 3270
 Delta R.T. -0.00 min
 Lab File: VU024868.D
 Acq: 25 Jun 2018 12:29

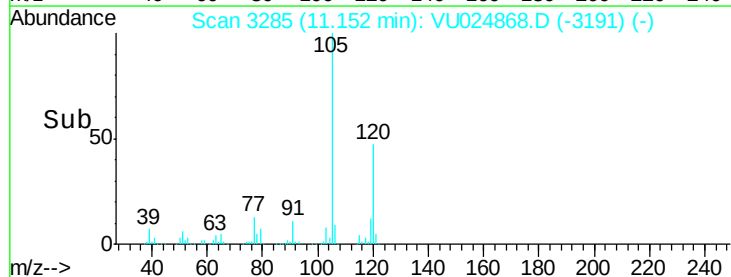
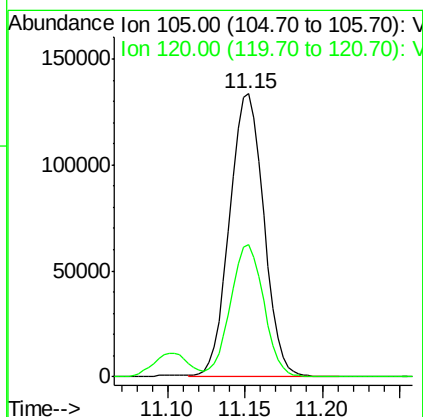
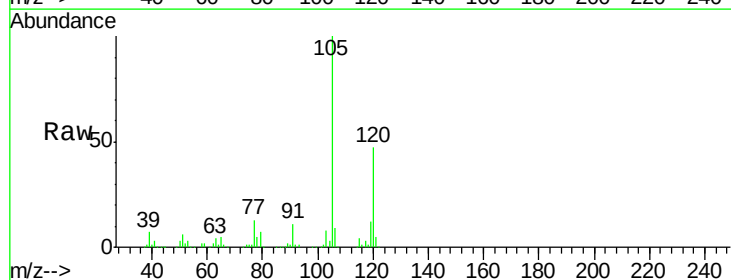
Instrument :
 MSVOA_U
 ClientSampleId :

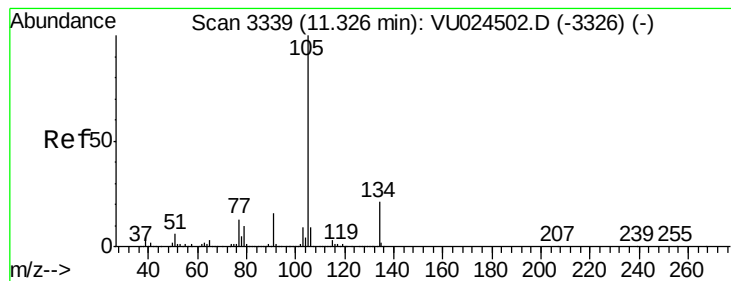
Tot Ion	Ratio	Lower	Upper
119	100		
91	59.6	29.7	89.1
134	23.3	11.6	34.7



#84
 1,2,4-Trimethylbenzene
 Concen: 20.68 ug/l
 RT: 11.15 min Scan# 3285
 Delta R.T. 0.00 min
 Lab File: VU024868.D
 Acq: 25 Jun 2018 12:29

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.7	22.6	67.8





#85

sec-Butylbenzene

Concen: 20.47 ug/l

RT: 11.33 min Scan# 3339

Delta R.T. -0.00 min

Lab File: VU024868.D

Acq: 25 Jun 2018 12:29

Instrument :

MSVOA_U

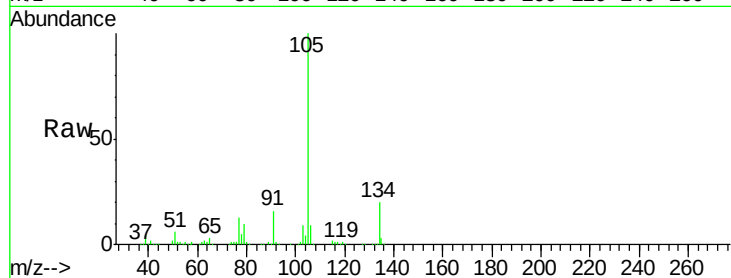
ClientSampleId :

Tot Ion:105 Resp: 239912

Ion Ratio Lower Upper

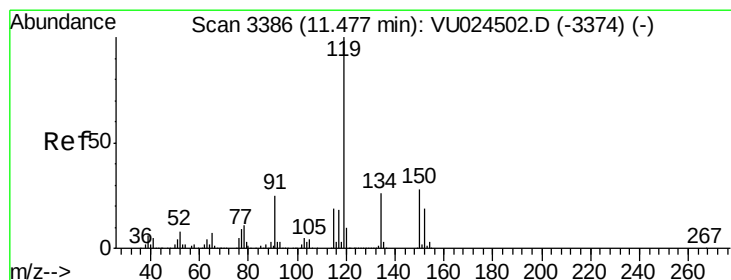
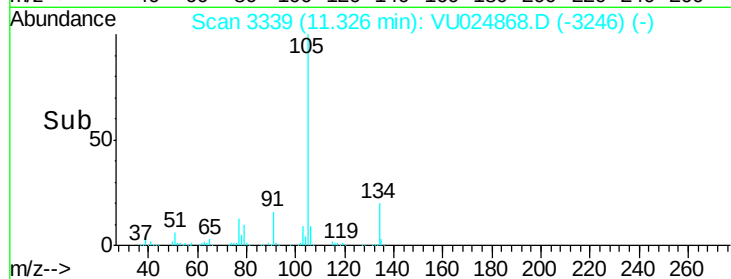
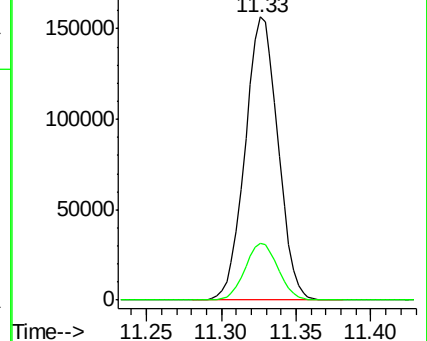
105 100

134 20.2 9.7 29.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 20.34 ug/l

RT: 11.48 min Scan# 3386

Delta R.T. -0.00 min

Lab File: VU024868.D

Acq: 25 Jun 2018 12:29

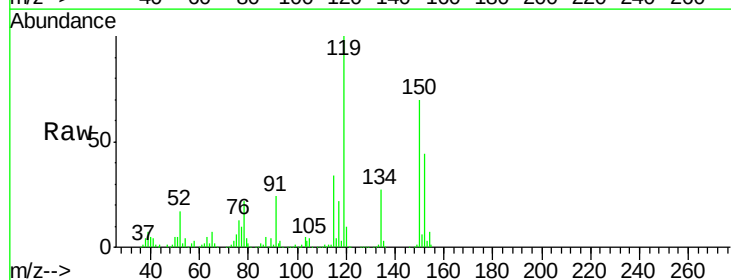
Tgt Ion:119 Resp: 213496

Ion Ratio Lower Upper

119 100

134 26.9 12.9 38.6

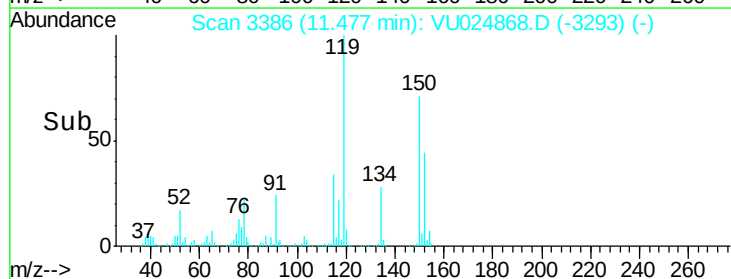
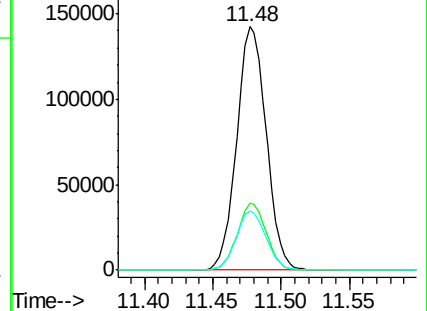
91 24.5 12.0 36.1

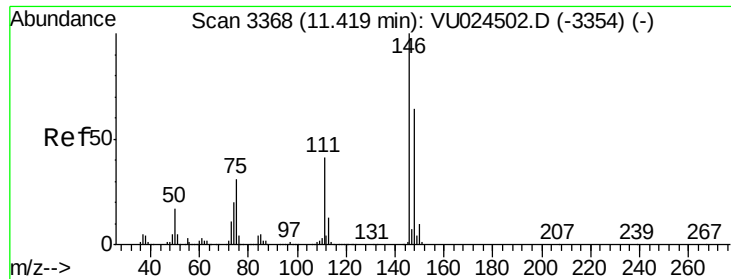


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VU0

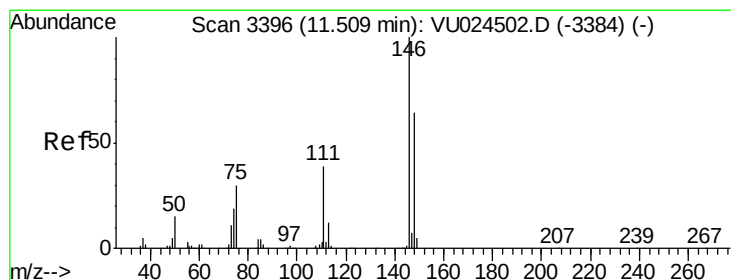
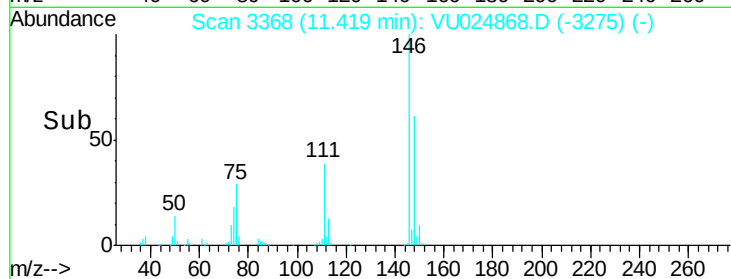
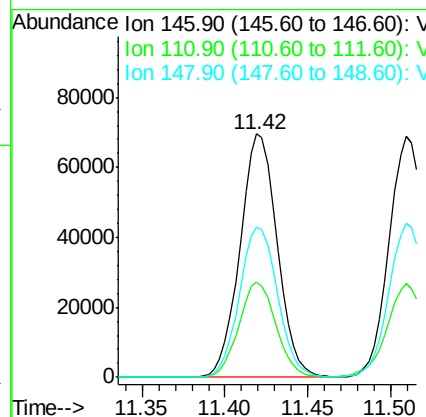
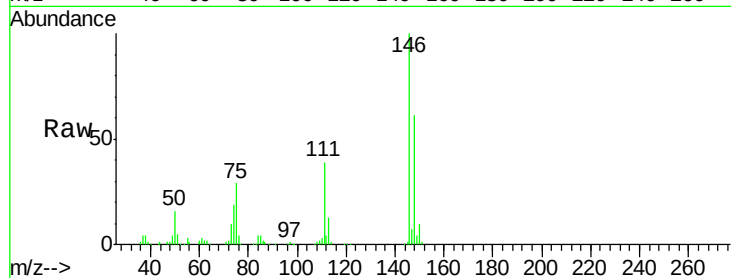




#87
 1,3-Dichlorobenzene
 Concen: 20.71 ug/l
 RT: 11.42 min Scan# 3368
 Delta R.T. -0.00 min
 Lab File: VU024868.D
 Acq: 25 Jun 2018 12:29

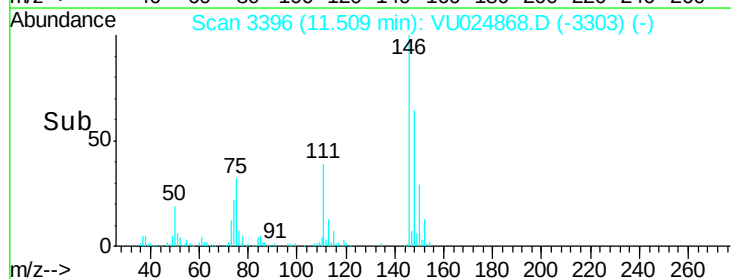
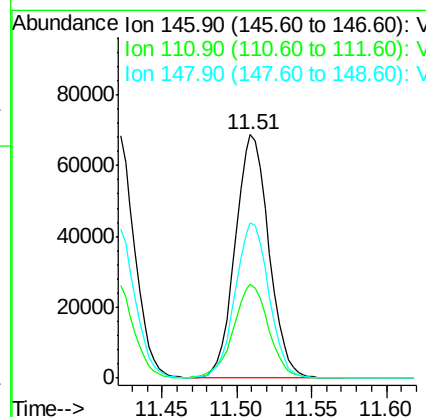
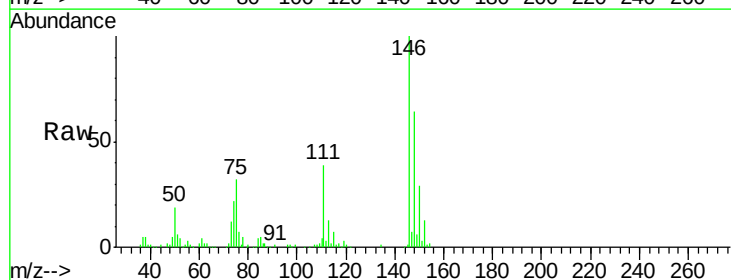
Instrument :
 MSVOA_U
 ClientSampleId :

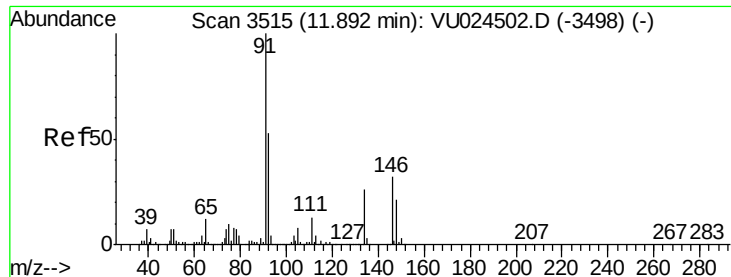
Tot Ion	Ratio	Lower	Upper
146	100		
111	39.3	20.0	60.0
148	63.2	32.1	96.5



#88
 1,4-Dichlorobenzene
 Concen: 20.28 ug/l
 RT: 11.51 min Scan# 3396
 Delta R.T. -0.00 min
 Lab File: VU024868.D
 Acq: 25 Jun 2018 12:29

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.6	19.5	58.5
148	64.5	32.4	97.0





#89

n-Butylbenzene

Concen: 18.51 ug/l

RT: 11.89 min Scan# 3515

Delta R.T. -0.00 min

Lab File: VU024868.D

Acq: 25 Jun 2018 12:29

Instrument :

MSVOA_U

ClientSampleId :

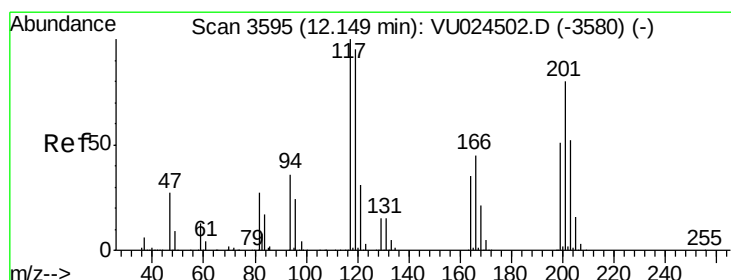
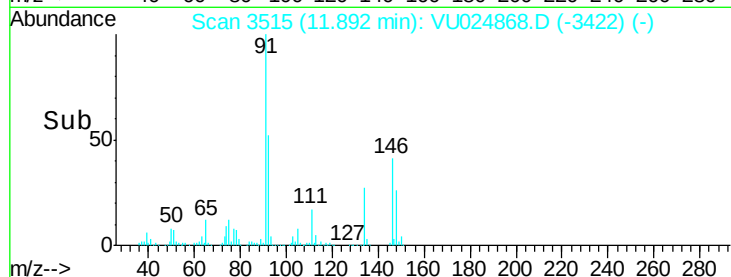
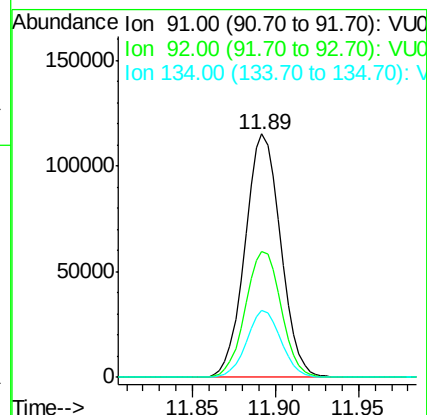
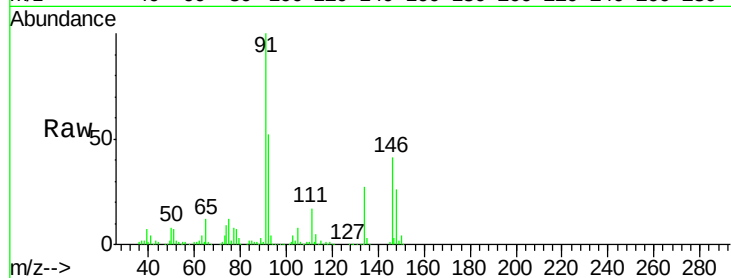
Tot Ion: 91 Resp: 172422

Ion Ratio Lower Upper

91 100

92 52.1 25.6 76.8

134 26.5 12.3 36.8



#90

Hexachloroethane

Concen: 19.44 ug/l

RT: 12.15 min Scan# 3595

Delta R.T. -0.00 min

Lab File: VU024868.D

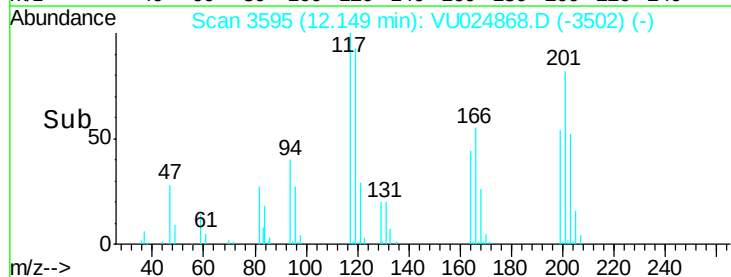
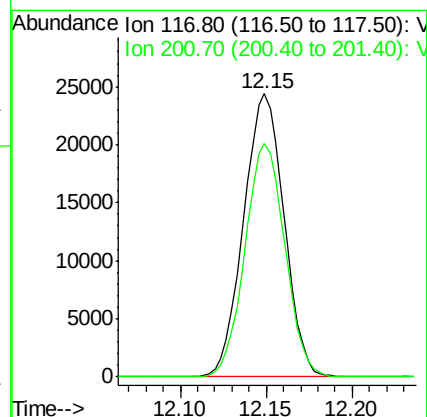
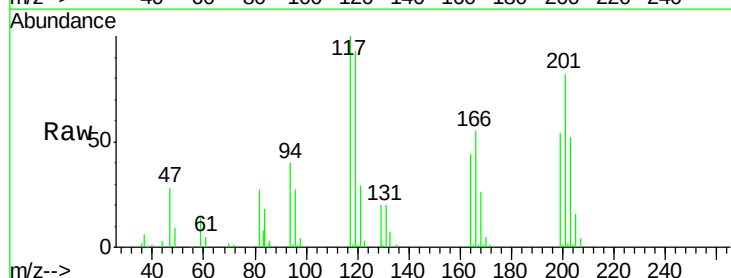
Acq: 25 Jun 2018 12:29

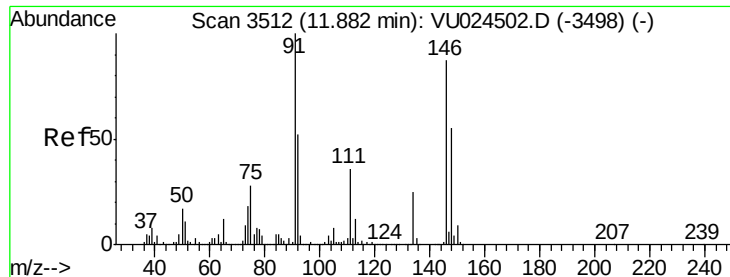
Tgt Ion: 117 Resp: 39808

Ion Ratio Lower Upper

117 100

201 81.2 41.1 123.3

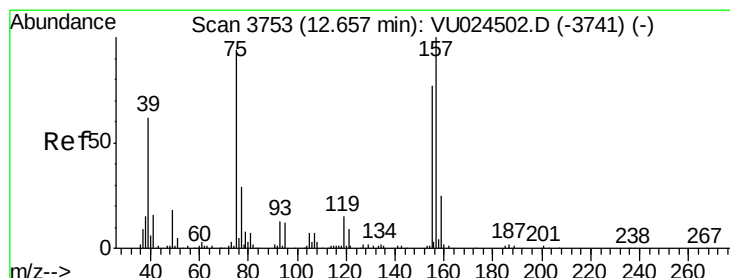
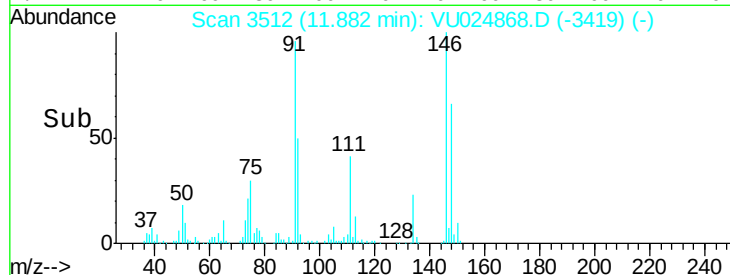
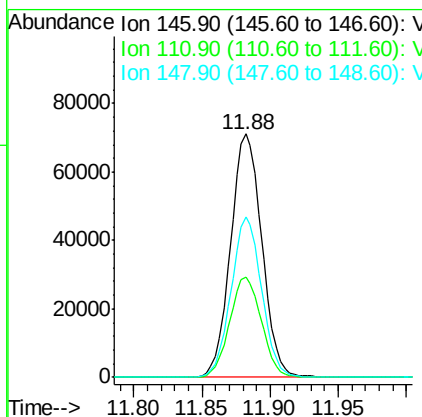
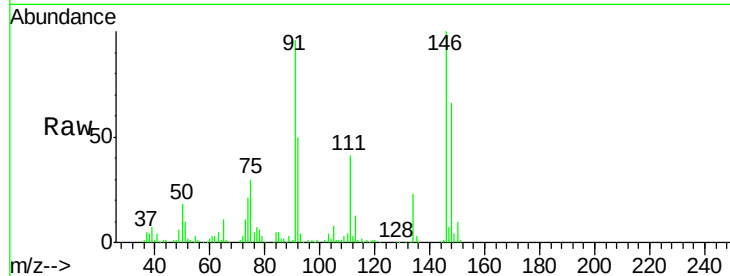




#91
 1,2-Dichlorobenzene
 Concen: 21.53 ug/l
 RT: 11.88 min Scan# 3512
 Delta R.T. -0.00 min
 Lab File: VU024868.D
 Acq: 25 Jun 2018 12:29

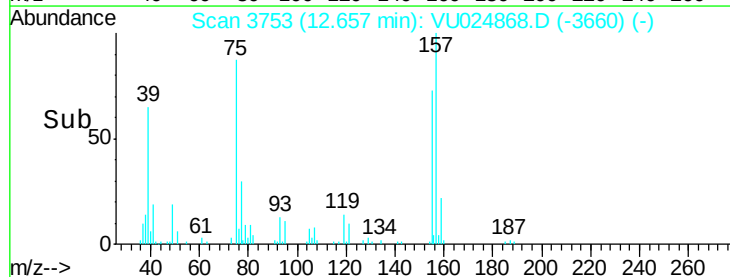
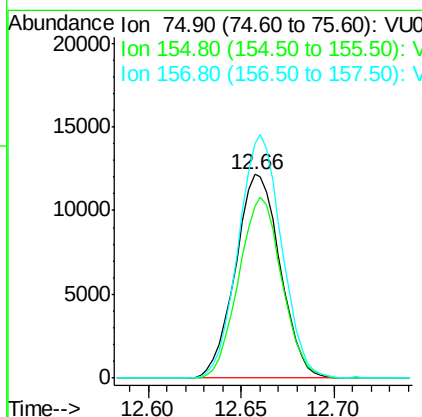
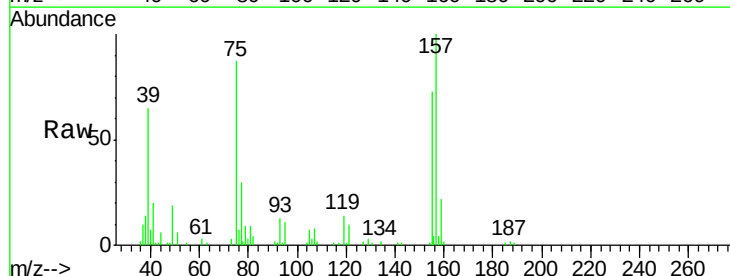
Instrument :
 MSVOA_U
 ClientSampled :

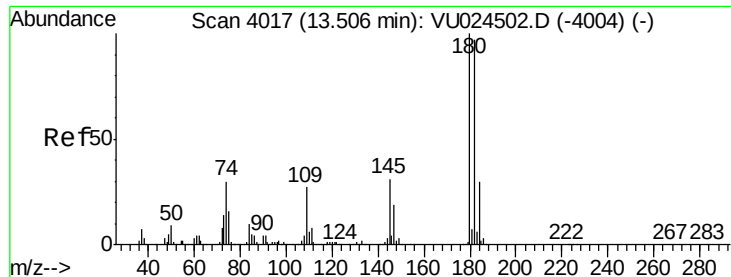
Tot Ion	Ratio	Lower	Upper
146	100		
111	41.8	20.5	61.6
148	64.3	31.9	95.7



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.60 ug/l
 RT: 12.66 min Scan# 3753
 Delta R.T. -0.00 min
 Lab File: VU024868.D
 Acq: 25 Jun 2018 12:29

Tgt Ion	Ratio	Lower	Upper
75	100		
155	85.6	40.4	121.2
157	115.3	52.3	156.8

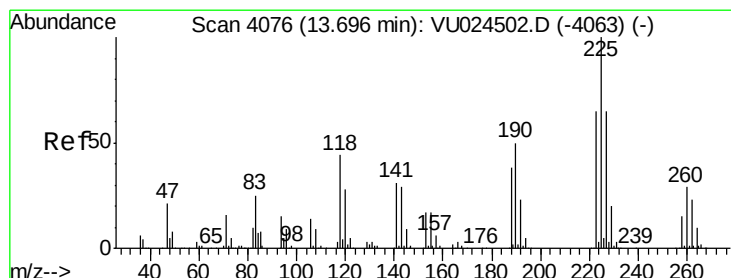
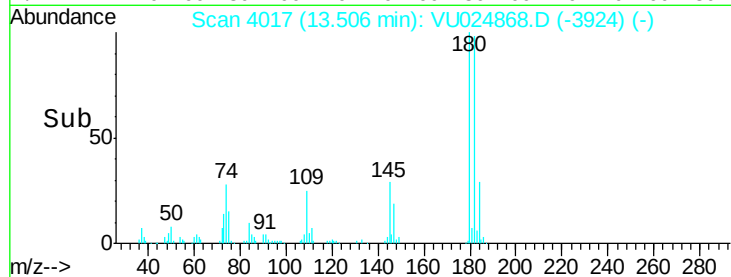
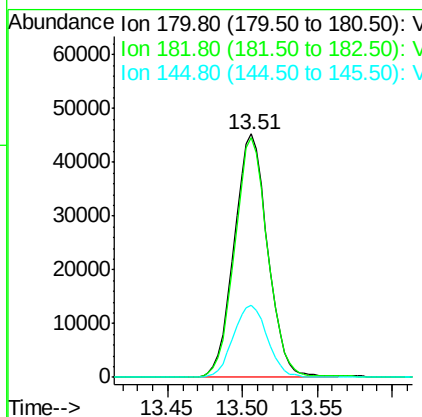
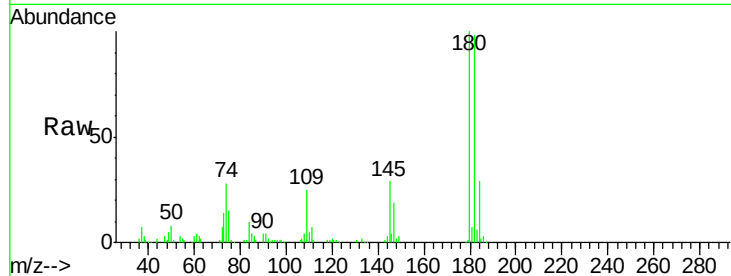




#93
 1,2,4-Trichlorobenzene
 Concen: 21.71 ug/l
 RT: 13.51 min Scan# 4017
 Delta R.T. -0.00 min
 Lab File: VU024868.D
 Acq: 25 Jun 2018 12:29

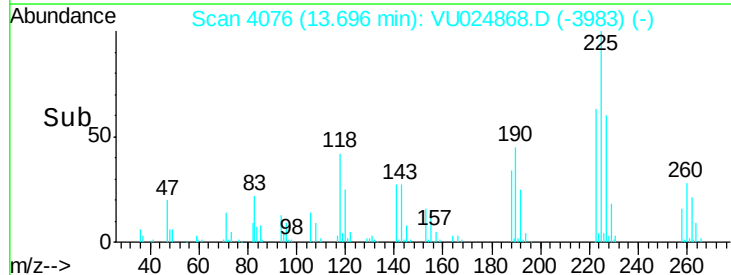
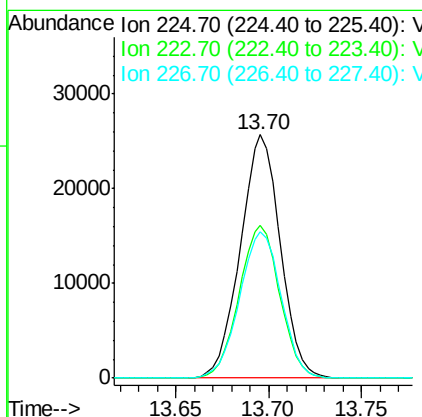
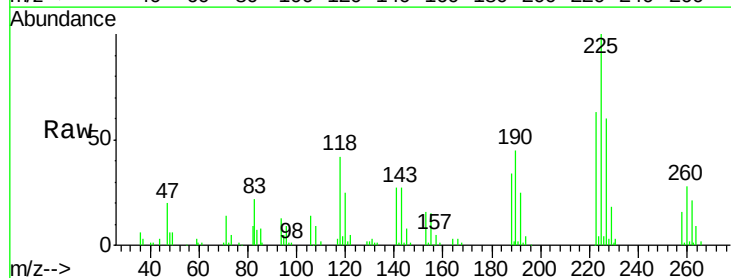
Instrument :
 MSVOA_U
 ClientSampled :

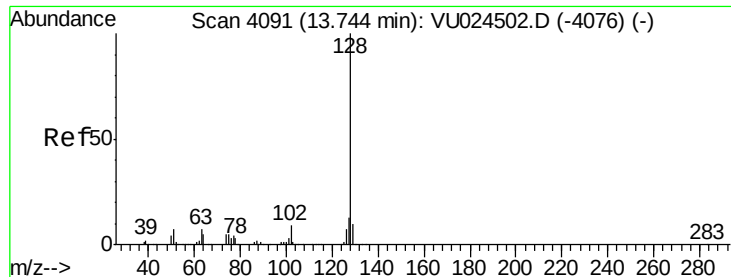
Tot Ion	Ratio	Lower	Upper
180	100		
182	97.6	48.0	144.2
145	30.1	14.7	44.1



#94
 Hexachlorobutadiene
 Concen: 21.00 ug/l
 RT: 13.70 min Scan# 4076
 Delta R.T. -0.00 min
 Lab File: VU024868.D
 Acq: 25 Jun 2018 12:29

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.6	31.3	93.8
227	62.3	31.8	95.4





#95

Naphthalene

Concen: 22.00 ug/l

RT: 13.74 min Scan# 4091

Delta R.T. 0.00 min

Lab File: VU024868.D

Acq: 25 Jun 2018 12:29

Instrument :

MSVOA_U

ClientSampleId :

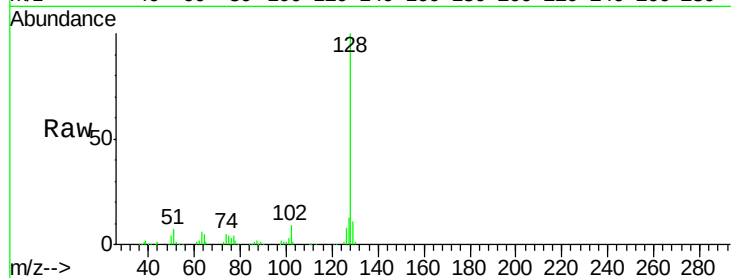
Tot Ion:128 Resp: 232471

Ion Ratio Lower Upper

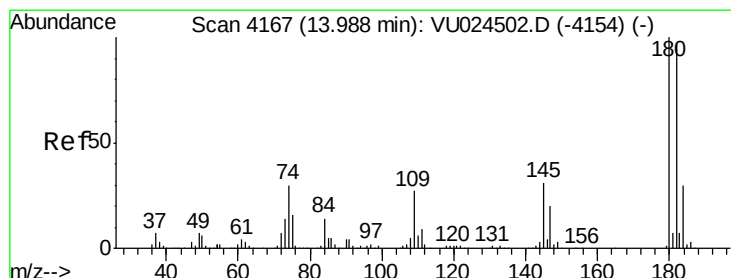
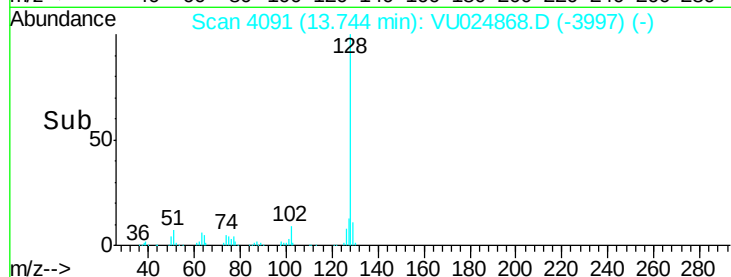
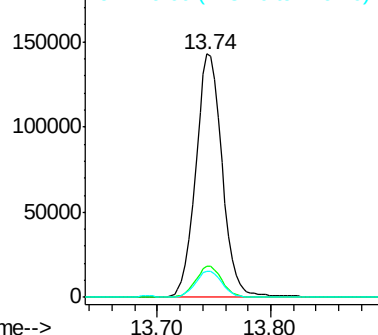
128 100

127 12.9 10.6 16.0

129 10.8 8.6 12.8



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



#96

1,2,3-Trichlorobenzene

Concen: 23.30 ug/l

RT: 13.99 min Scan# 4168

Delta R.T. 0.00 min

Lab File: VU024868.D

Acq: 25 Jun 2018 12:29

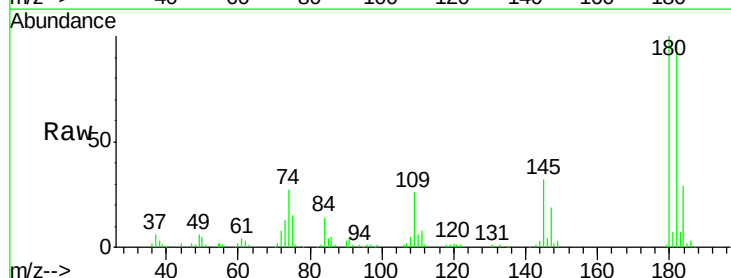
Tgt Ion:180 Resp: 75411

Ion Ratio Lower Upper

180 100

182 95.2 47.9 143.7

145 31.6 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

