

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU062718\
 Data File : VU024930.D
 Acq On : 26 Jun 2018 19:31
 Operator : MD/SY
 Sample : VU0627MBS01
 Misc : 5.00g/10ml/100uL/5.0mL/MSVOA_U/MEOH
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0627MBS01

Quant Time: Jun 27 04:13:58 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	178491	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	269465	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	249832	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.49	152	146733	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	140730	48.30	ug/l	0.00
Spiked Amount			Recovery	=	96.60%	
35) Dibromofluoromethane	4.89	113	110188	49.27	ug/l	0.00
Spiked Amount			Recovery	=	98.54%	
50) Toluene-d8	7.57	98	375397	46.02	ug/l	0.00
Spiked Amount			Recovery	=	92.04%	
62) 4-Bromofluorobenzene	10.31	95	150717	46.54	ug/l	0.00
Spiked Amount			Recovery	=	93.08%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	41372	18.518	ug/l	99
3) Chloromethane	1.33	50	42054	18.424	ug/l	98
4) Vinyl Chloride	1.40	62	44520	18.913	ug/l	98
5) Bromomethane	1.62	94	29754	26.148	ug/l	99
6) Chloroethane	1.70	64	29307	21.684	ug/l	97
7) Trichlorofluoromethane	1.89	101	74591	20.764	ug/l	98
8) Diethyl Ether	2.10	74	27697	21.586	ug/l	89
9) 1,1,2-Trichlorotrifluoroet	2.29	101	43622	19.573	ug/l	96
10) Methyl Iodide	2.41	142	40308	24.399	ug/l	99
11) Tert butyl alcohol	2.83	59	73717	104.019	ug/l	98
12) 1,1-Dichloroethene	2.28	96	40065	19.713	ug/l	95
13) Acrolein	2.19	56	22617	60.774	ug/l	94
14) Allyl chloride	2.59	41	70663	18.726	ug/l	98
15) Acrylonitrile	2.93	53	143753	104.257	ug/l	99
16) Acetone	2.32	43	162917	104.058	ug/l	99
17) Carbon Disulfide	2.48	76	105361	16.190	ug/l	99
18) Methyl Acetate	2.62	43	80033	23.845	ug/l	99
19) Methyl tert-butyl Ether	3.00	73	160990	21.073	ug/l	95
20) Methylene Chloride	2.70	84	52632	21.425	ug/l	97
21) trans-1,2-Dichloroethene	2.99	96	42909	19.169	ug/l	96
22) Diisopropyl ether	3.57	45	154442	20.646	ug/l	92
23) Vinyl Acetate	3.53	43	664286	99.132	ug/l	99
24) 1,1-Dichloroethane	3.45	63	89095	20.704	ug/l	98
25) 2-Butanone	4.26	43	219990	104.607	ug/l	97
26) 2,2-Dichloropropane	4.23	77	83486	20.431	ug/l	99
27) cis-1,2-Dichloroethene	4.23	96	52366	20.348	ug/l	98
28) Bromochloromethane	4.55	49	42909	22.637	ug/l	88
29) Tetrahydrofuran	4.64	42	132592	101.812	ug/l	97
30) Chloroform	4.68	83	92491	21.234	ug/l	97
31) Cyclohexane	5.00	56	78265	19.267	ug/l	92
32) 1,1,1-Trichloroethane	4.92	97	84870	21.071	ug/l	97
36) 1,1-Dichloropropene	5.14	75	63480	20.048	ug/l	97
37) Ethyl Acetate	4.38	43	75778	21.957	ug/l	97
38) Carbon Tetrachloride	5.14	117	74577	21.418	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.42	83	79013	19.996	ug/l	93
40) Benzene	5.39	78	191795	21.257	ug/l	98
41) Methacrylonitrile	4.55	41	44034	23.665	ug/l	98
42) 1,2-Dichloroethane	5.41	62	80477	23.419	ug/l	98
43) Isopropyl Acetate	5.55	43	123353	20.678	ug/l	99
44) Trichloroethene	6.19	130	52402	20.407	ug/l	92
45) 1,2-Dichloropropane	6.44	63	52229	21.695	ug/l	99
46) Dibromomethane	6.56	93	37475	22.161	ug/l	96
47) Bromodichloromethane	6.76	83	71802	21.323	ug/l	99
48) Methyl methacrylate	6.62	41	63759	21.949	ug/l	96
49) 1,4-Dioxane	6.62	88	29102	512.288	ug/l	97
51) 4-Methyl-2-Pentanone	7.46	43	410001	109.397	ug/l	99
52) Toluene	7.64	92	123615	21.295	ug/l	98
53) t-1,3-Dichloropropene	7.88	75	76495	20.229	ug/l	95
54) cis-1,3-Dichloropropene	7.27	75	79834	19.813	ug/l	96
55) 1,1,2-Trichloroethane	8.07	97	52818	22.384	ug/l	97
56) Ethyl methacrylate	8.02	69	83684	21.189	ug/l	99
57) 1,3-Dichloropropane	8.25	76	85788	21.552	ug/l	98
58) 2-Chloroethyl Vinyl ether	7.13	63	47374	31.311	ug/l	95
59) 2-Hexanone	8.36	43	331373	108.301	ug/l	99
60) Dibromochloromethane	8.48	129	58608	19.918	ug/l	99
61) 1,2-Dibromoethane	8.59	107	55744	21.225	ug/l	100
64) Tetrachloroethene	8.23	164	47458	19.984	ug/l	96
65) Chlorobenzene	9.12	112	141509	22.172	ug/l	99
66) 1,1,1,2-Tetrachloroethane	9.21	131	51902	21.405	ug/l	95
67) Ethyl Benzene	9.25	91	241530	21.587	ug/l	100
68) m/p-Xylenes	9.38	106	185697	43.221	ug/l	100
69) o-Xylene	9.78	106	93382	21.962	ug/l	97
70) Styrene	9.80	104	148440	21.244	ug/l	98
71) Bromoform	9.96	173	45058	19.550	ug/l	# 99
73) Isopropylbenzene	10.17	105	255115	22.646	ug/l	99
74) N-amyl acetate	10.01	43	107936	20.143	ug/l	97
75) 1,1,2,2-Tetrachloroethane	10.46	83	87299	23.125	ug/l	98
76) 1,2,3-Trichloropropane	10.50	75	102077	31.598	ug/l	84
77) Bromobenzene	10.45	156	63799	22.370	ug/l	96
78) n-propylbenzene	10.59	91	280678	21.150	ug/l	98
79) 2-Chlorotoluene	10.66	91	173217	22.134	ug/l	98
80) 1,3,5-Trimethylbenzene	10.77	105	216577	22.180	ug/l	99
81) trans-1,4-Dichloro-2-buten	10.50	75	102077	73.130	ug/l	# 100
82) 4-Chlorotoluene	10.78	91	197687	21.703	ug/l	100
83) tert-Butylbenzene	11.10	119	219980	23.421	ug/l	100
84) 1,2,4-Trimethylbenzene	11.15	105	219203	22.029	ug/l	100
85) sec-Butylbenzene	11.33	105	260171	22.129	ug/l	98
86) p-Isopropyltoluene	11.48	119	227971	21.650	ug/l	99
87) 1,3-Dichlorobenzene	11.42	146	114761	21.780	ug/l	98
88) 1,4-Dichlorobenzene	11.51	146	116779	22.020	ug/l	99
89) n-Butylbenzene	11.89	91	180573	19.316	ug/l	97
90) Hexachloroethane	12.15	117	39891	19.420	ug/l	97
91) 1,2-Dichlorobenzene	11.88	146	119549	22.652	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.66	75	22566	21.663	ug/l	96

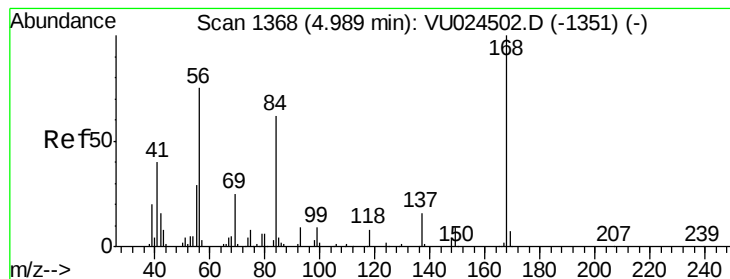
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_U\DATA\VU062718\
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.51	180	73465	22.542	ug/l	98
94) Hexachlorobutadiene	13.70	225	40760	22.220	ug/l	99
95) Naphthalene	13.74	128	245779	23.150	ug/l	100
96) 1,2,3-Trichlorobenzene	13.99	180	77860	23.975	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.99 min Scan# 1367

Delta R.T. -0.00 min

Lab File: VU024930.D

Acq: 26 Jun 2018 19:31

Instrument :

MSVOA_U

ClientSampleId :

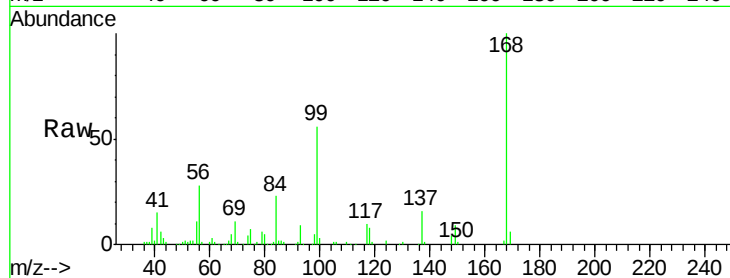
VU0627MBS01

Tgt Ion:168 Resp: 178491

Ion Ratio Lower Upper

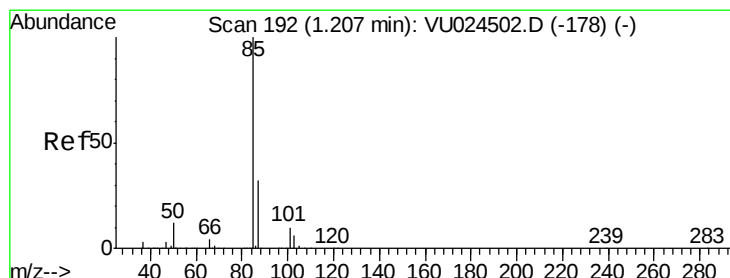
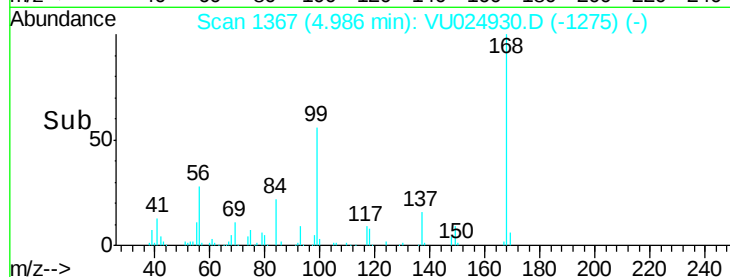
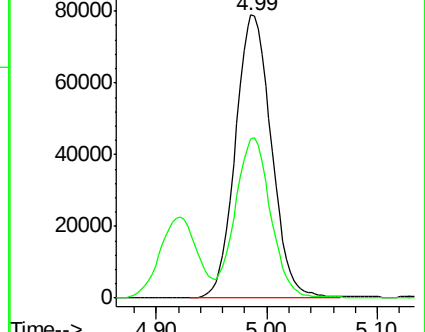
168 100

99 55.8 43.2 64.8



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

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



#2

Dichlorodifluoromethane

Concen: 18.518 ug/l

RT: 1.20 min Scan# 191

Delta R.T. -0.00 min

Lab File: VU024930.D

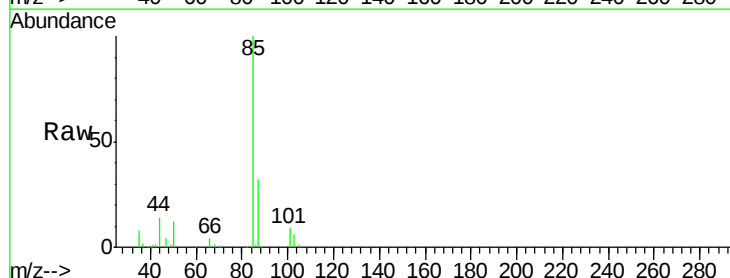
Acq: 26 Jun 2018 19:31

Tgt Ion: 85 Resp: 41372

Ion Ratio Lower Upper

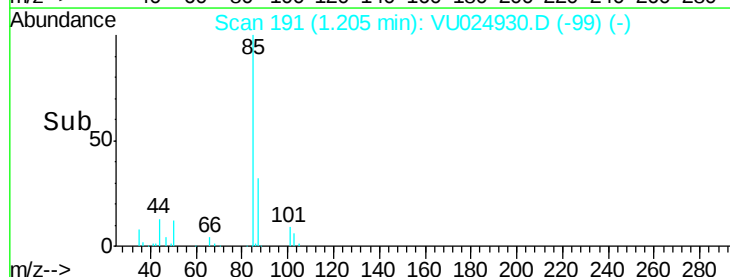
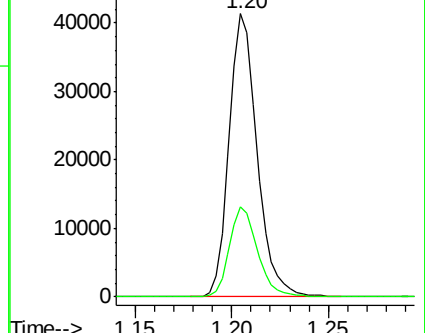
85 100

87 31.6 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) (-)





#3

Chloromethane

Concen: 18.424 ug/l

RT: 1.33 min Scan# 229

Delta R.T. -0.00 min

Lab File: VU024930.D

Acq: 26 Jun 2018 19:31

Instrument :

MSVOA_U

ClientSampleId :

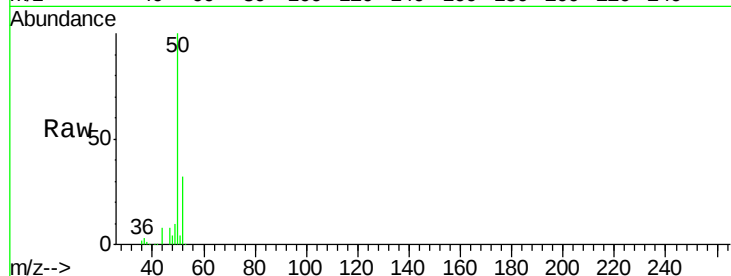
VU0627MBS01

Tgt Ion: 50 Resp: 42054

Ion Ratio Lower Upper

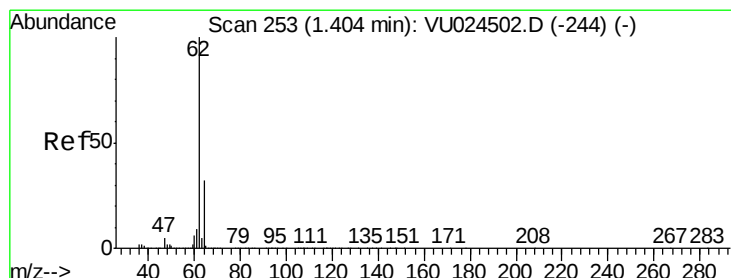
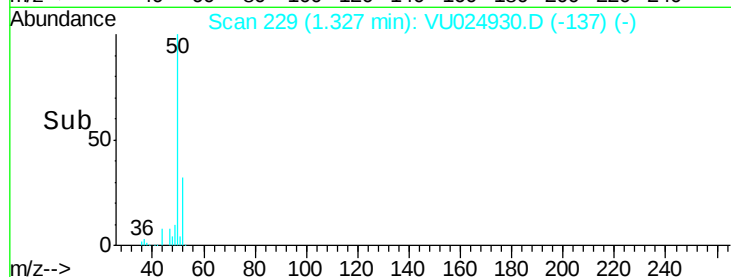
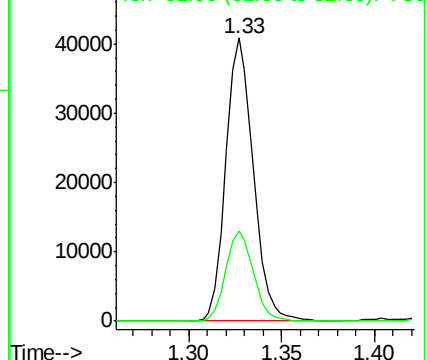
50 100

52 31.8 26.4 39.6



Abundance Ion 49.90 (49.60 to 50.60): VU0

Ion 51.90 (51.60 to 52.60): VU0



#4

Vinyl Chloride

Concen: 18.913 ug/l

RT: 1.40 min Scan# 253

Delta R.T. 0.00 min

Lab File: VU024930.D

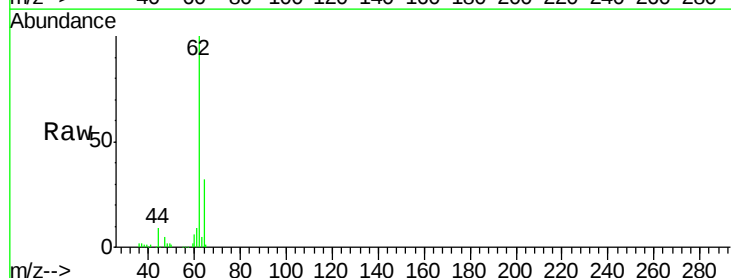
Acq: 26 Jun 2018 19:31

Tgt Ion: 62 Resp: 44520

Ion Ratio Lower Upper

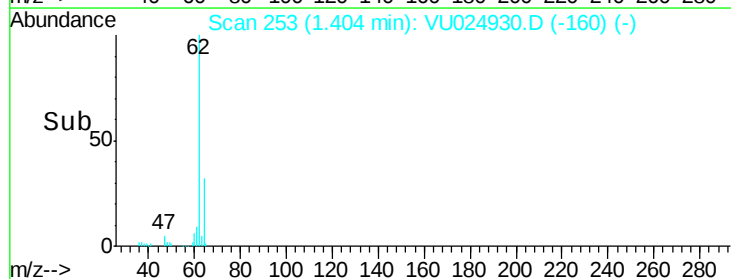
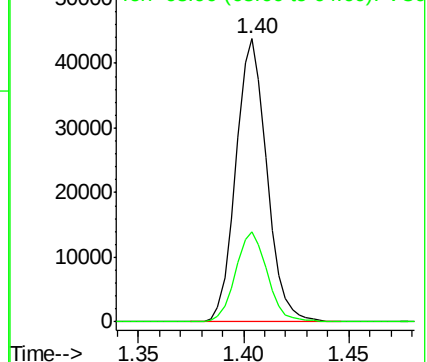
62 100

64 31.8 24.8 37.2



Abundance Ion 61.90 (61.60 to 62.60): VU0

Ion 63.90 (63.60 to 64.60): VU0





#5

Bromomethane

Concen: 26.148 ug/l

RT: 1.62 min Scan# 320

Delta R.T. -0.00 min

Lab File: VU024930.D

Acq: 26 Jun 2018 19:31

Instrument :

MSVOA_U

ClientSampleId :

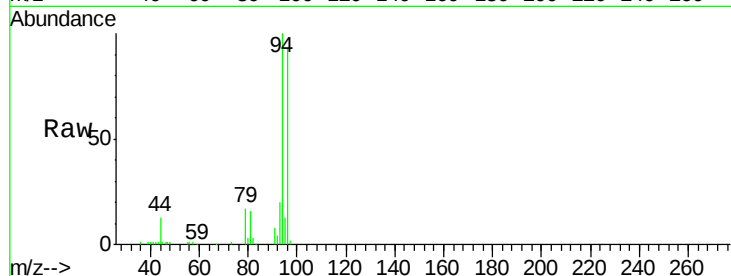
VU0627MBS01

Tgt Ion: 94 Resp: 29754

Ion Ratio Lower Upper

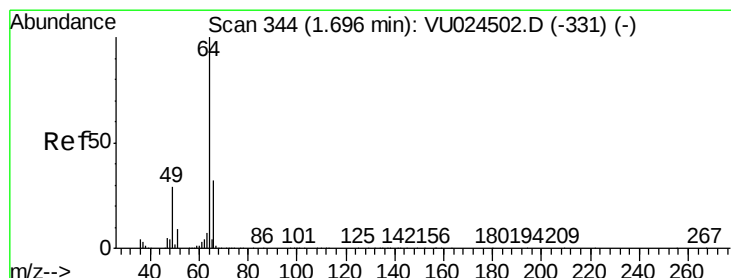
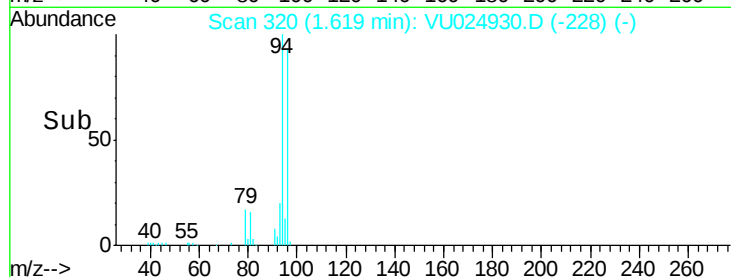
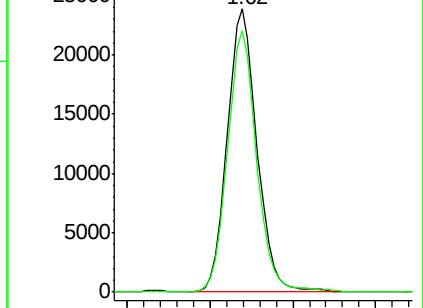
94 100

96 92.5 74.5 111.7



Abundance Ion 93.90 (93.60 to 94.60): VU0

Ion 95.90 (95.60 to 96.60): VU0



#6

Chloroethane

Concen: 21.684 ug/l

RT: 1.70 min Scan# 344

Delta R.T. 0.00 min

Lab File: VU024930.D

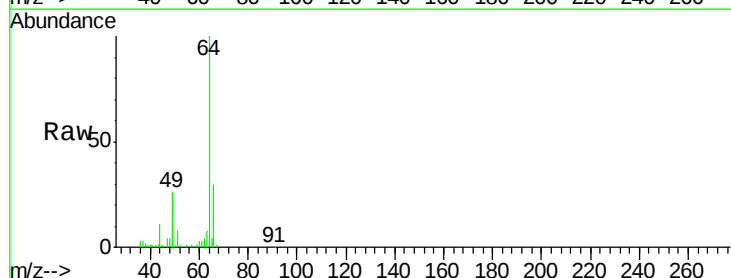
Acq: 26 Jun 2018 19:31

Tgt Ion: 64 Resp: 29307

Ion Ratio Lower Upper

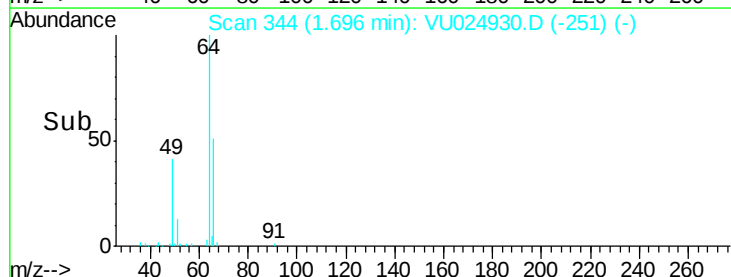
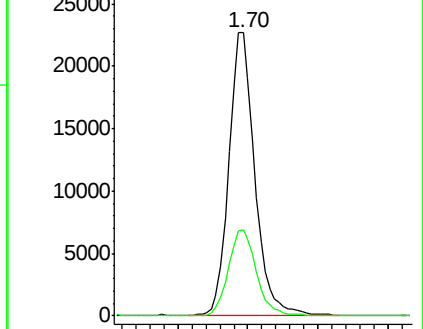
64 100

66 30.5 25.5 38.3



Abundance Ion 63.90 (63.60 to 64.60): VU0

Ion 65.90 (65.60 to 66.60): VU0



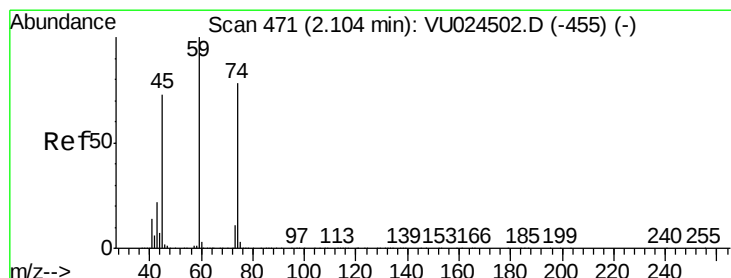
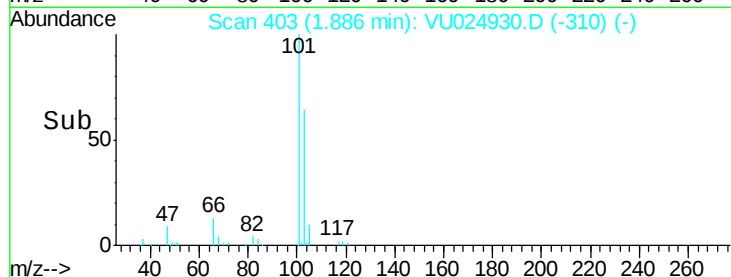
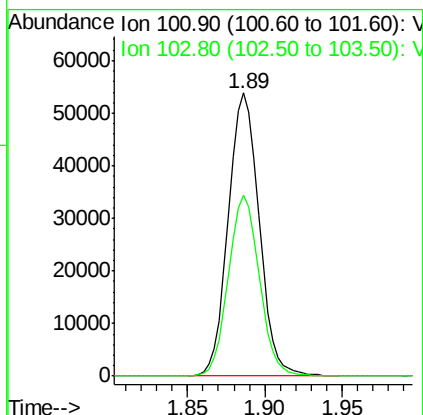
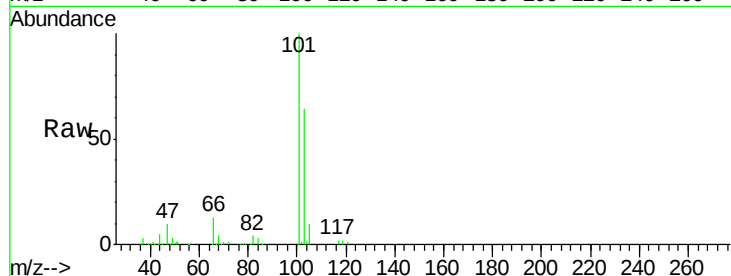


#7

Trichlorofluoromethane
 Concen: 20.764 ug/l
 RT: 1.89 min Scan# 403
 Delta R.T. 0.00 min
 Lab File: VU024930.D
 Acq: 26 Jun 2018 19:31

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0627MBS01

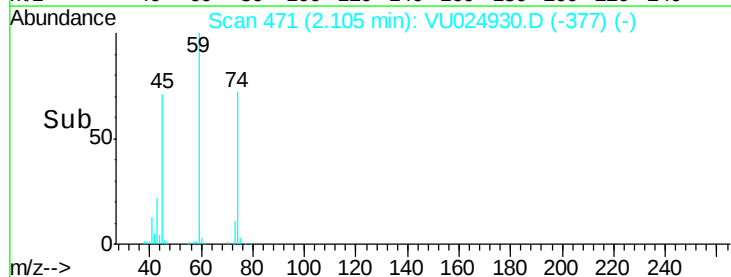
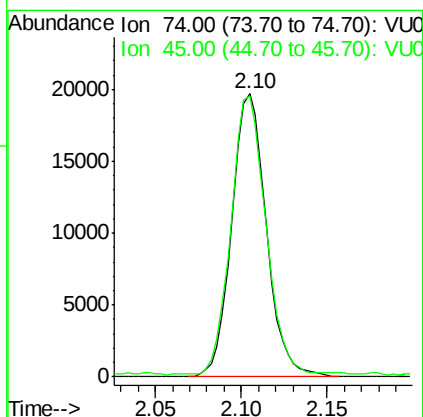
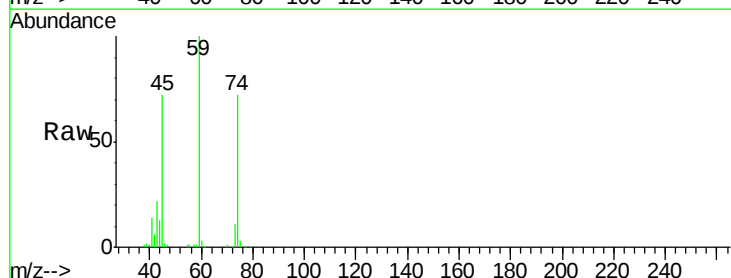
Tgt Ion:101 Resp: 74591
 Ion Ratio Lower Upper
 101 100
 103 63.9 52.3 78.5

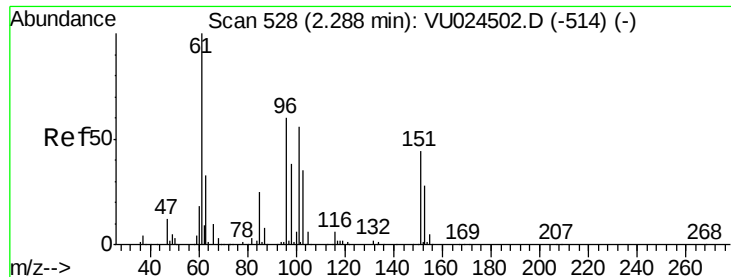


#8

Diethyl Ether
 Concen: 21.586 ug/l
 RT: 2.10 min Scan# 471
 Delta R.T. 0.00 min
 Lab File: VU024930.D
 Acq: 26 Jun 2018 19:31

Tgt Ion: 74 Resp: 27697
 Ion Ratio Lower Upper
 74 100
 45 98.7 55.0 165.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.573 ug/l

RT: 2.29 min Scan# 528

Delta R.T. 0.00 min

Lab File: VU024930.D

Acq: 26 Jun 2018 19:31

Instrument :

MSVOA_U

ClientSampleId :

VU0627MBS01

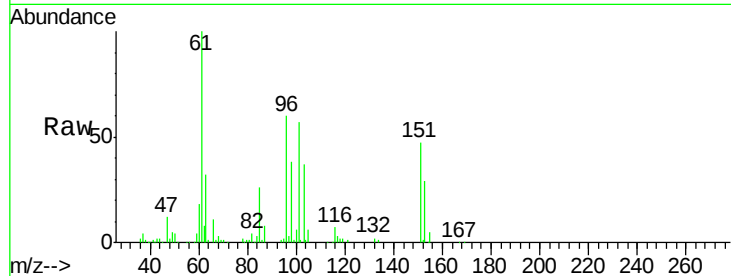
Tgt Ion:101 Resp: 43622

Ion Ratio Lower Upper

101 100

85 45.4 36.0 54.0

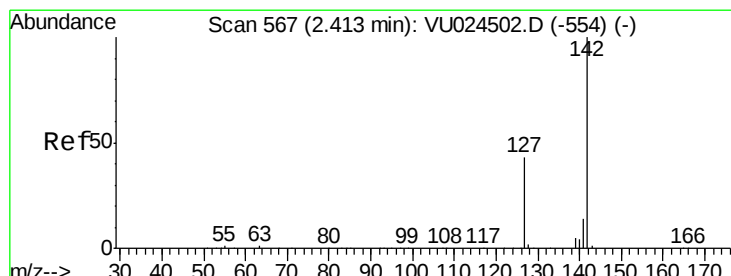
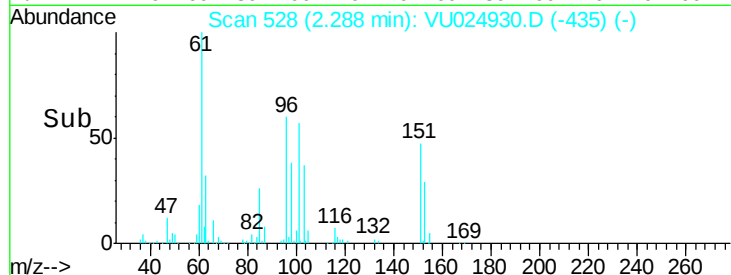
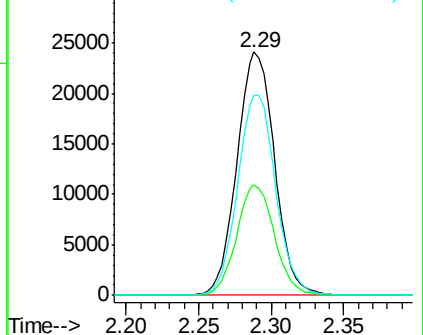
151 83.0 62.3 93.5



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VU0

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 24.399 ug/l

RT: 2.41 min Scan# 567

Delta R.T. 0.00 min

Lab File: VU024930.D

Acq: 26 Jun 2018 19:31

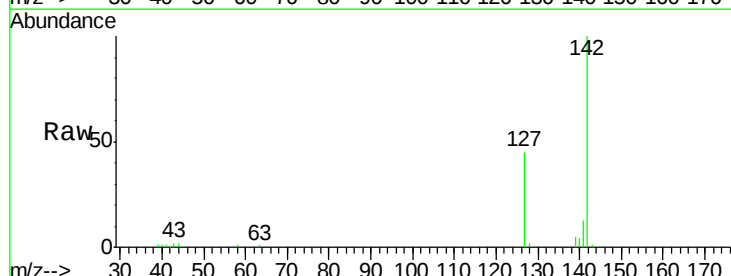
Tgt Ion:142 Resp: 40308

Ion Ratio Lower Upper

142 100

127 45.1 35.6 53.4

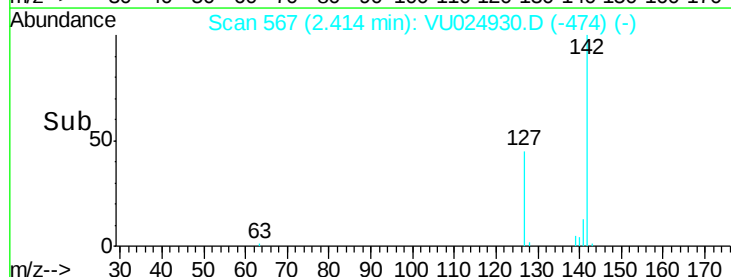
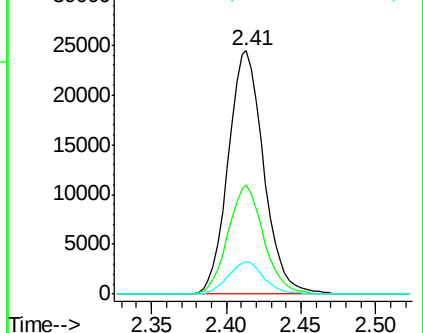
141 13.4 11.7 17.5



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



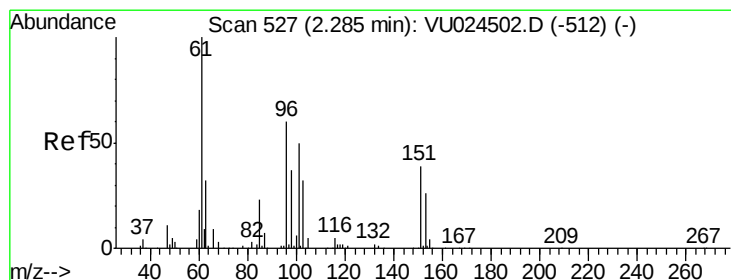
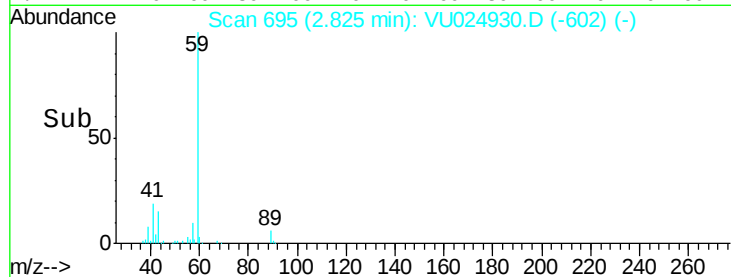
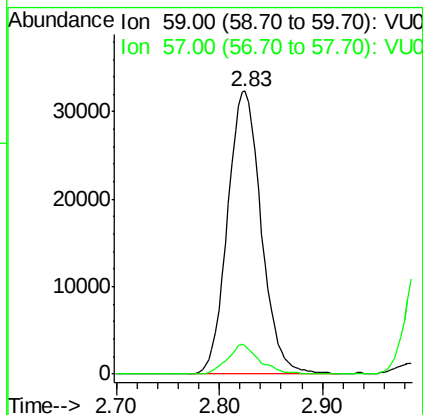
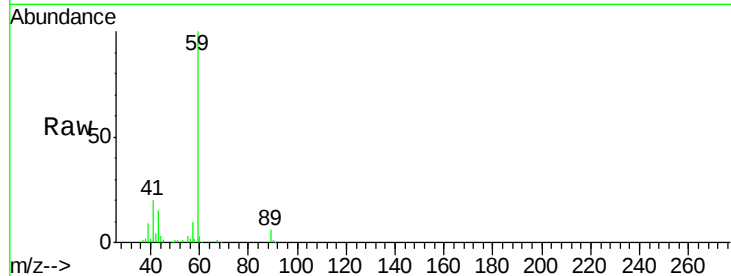


#11

Tert butyl alcohol
 Concen: 104.019 ug/l
 RT: 2.83 min Scan# 695
 Delta R.T. 0.00 min
 Lab File: VU024930.D
 Acq: 26 Jun 2018 19:31

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0627MBS01

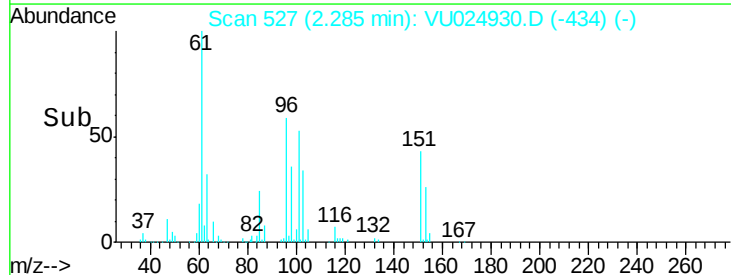
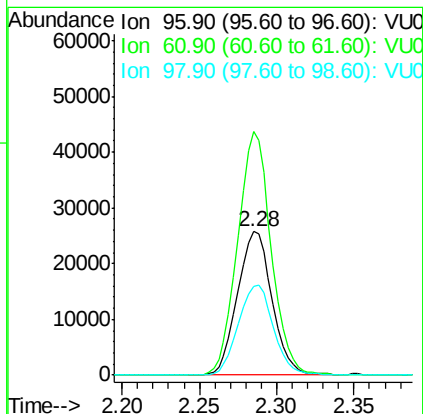
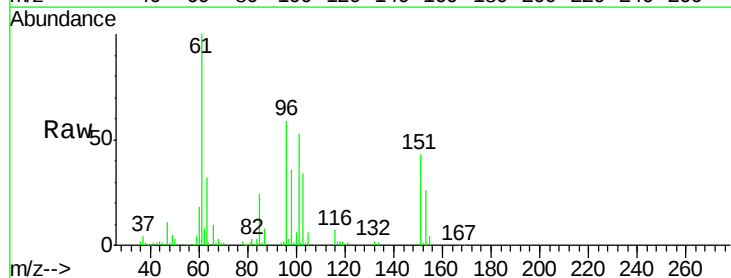
Tgt Ion: 59 Resp: 73717
 Ion Ratio Lower Upper
 59 100
 57 10.0 8.5 12.7

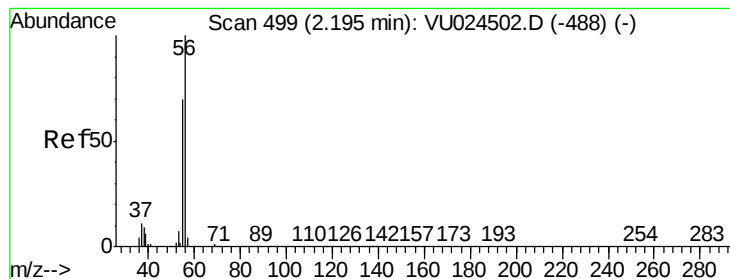


#12

1,1-Dichloroethene
 Concen: 19.713 ug/l
 RT: 2.28 min Scan# 527
 Delta R.T. 0.00 min
 Lab File: VU024930.D
 Acq: 26 Jun 2018 19:31

Tgt Ion: 96 Resp: 40065
 Ion Ratio Lower Upper
 96 100
 61 169.6 141.7 212.5
 98 61.8 51.6 77.4





#13

Acrolein

Concen: 60.774 ug/l

RT: 2.19 min Scan# 499

Delta R.T. 0.00 min

Lab File: VU024930.D

Acq: 26 Jun 2018 19:31

Instrument :

MSVOA_U

ClientSampleId :

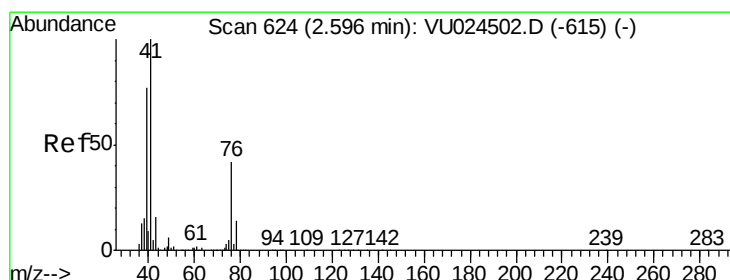
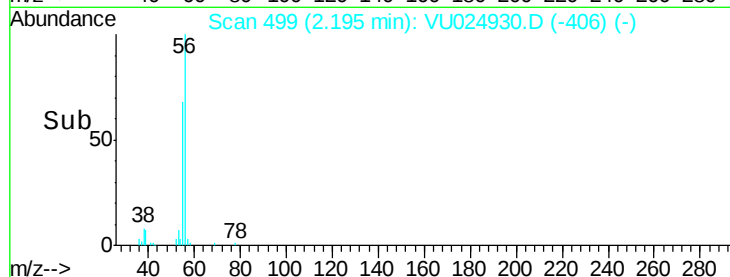
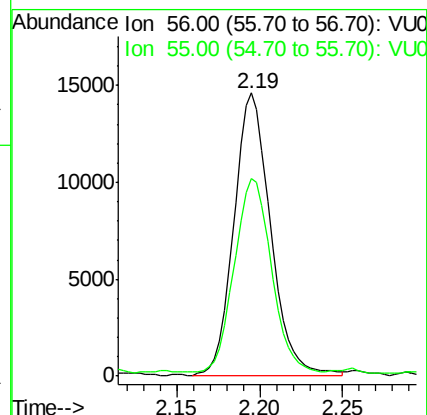
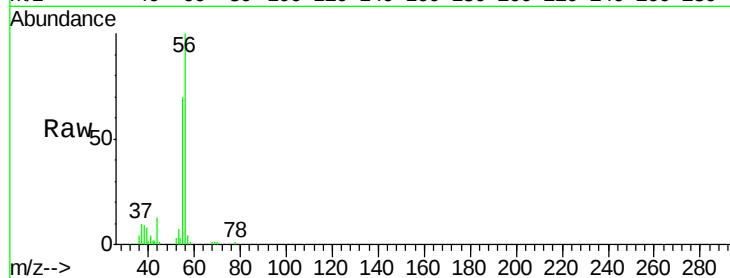
VU0627MBS01

Tgt Ion: 56 Resp: 22617

Ion Ratio Lower Upper

56 100

55 68.0 58.4 87.6



#14

Allyl chloride

Concen: 18.726 ug/l

RT: 2.59 min Scan# 623

Delta R.T. -0.00 min

Lab File: VU024930.D

Acq: 26 Jun 2018 19:31

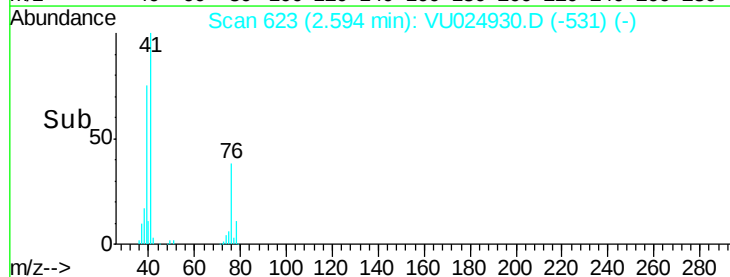
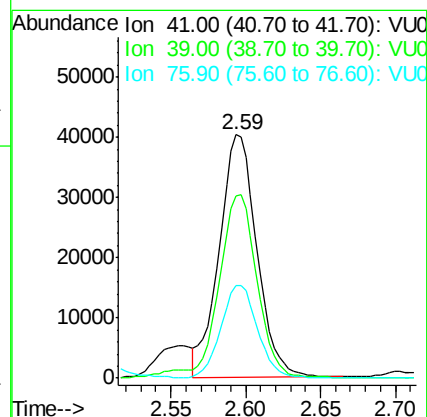
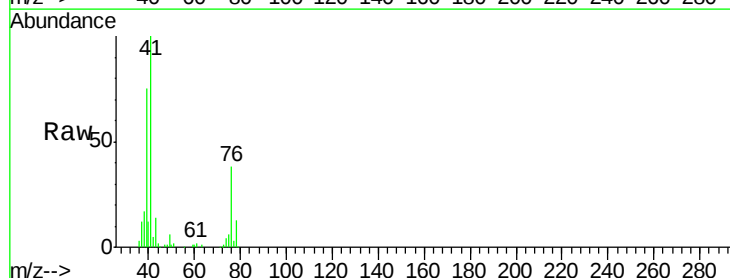
Tgt Ion: 41 Resp: 70663

Ion Ratio Lower Upper

41 100

39 74.5 61.6 92.4

76 37.3 29.7 44.5





#15

Acrylonitrile

Concen: 104.257 ug/l

RT: 2.93 min Scan# 729

Delta R.T. -0.00 min

Lab File: VU024930.D

Acq: 26 Jun 2018 19:31

Instrument :

MSVOA_U

ClientSampleId :

VU0627MBS01

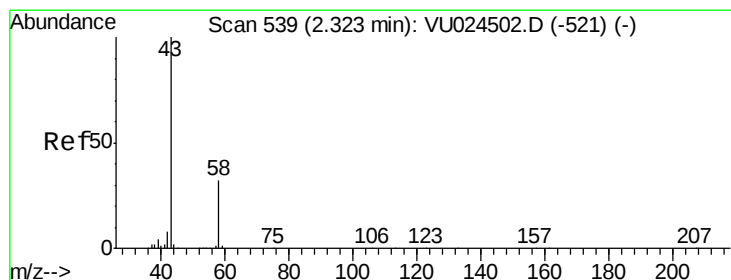
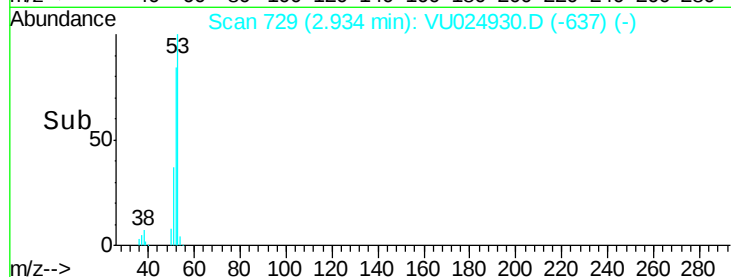
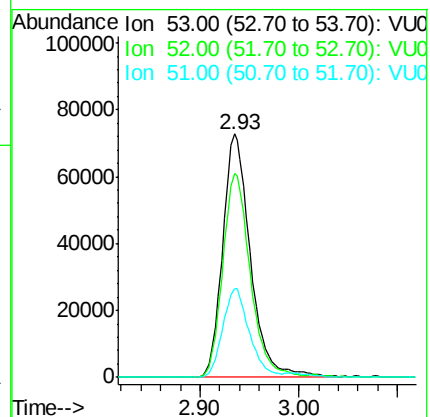
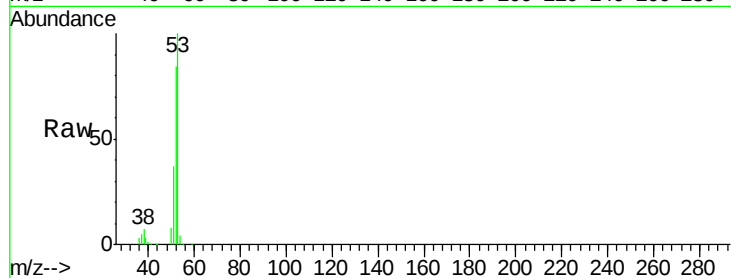
Tgt Ion: 53 Resp: 143753

Ion Ratio Lower Upper

53 100

52 82.8 67.1 100.7

51 34.9 28.4 42.6



#16

Acetone

Concen: 104.058 ug/l

RT: 2.32 min Scan# 538

Delta R.T. -0.00 min

Lab File: VU024930.D

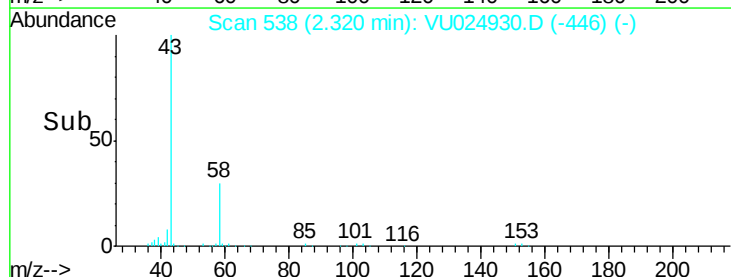
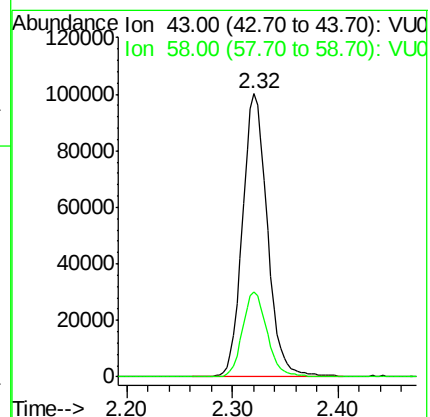
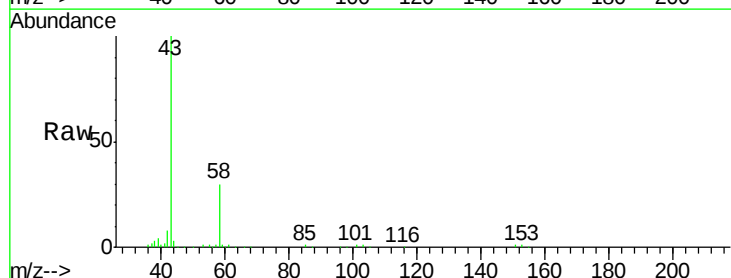
Acq: 26 Jun 2018 19:31

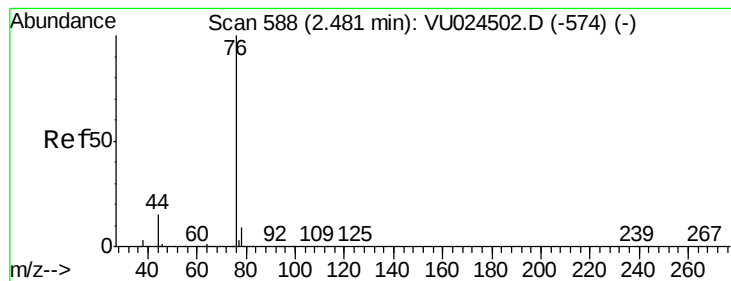
Tgt Ion: 43 Resp: 162917

Ion Ratio Lower Upper

43 100

58 30.1 24.4 36.6





#17

Carbon Disulfide

Concen: 16.190 ug/l

RT: 2.48 min Scan# 588

Delta R.T. 0.00 min

Lab File: VU024930.D

Acq: 26 Jun 2018 19:31

Instrument :

MSVOA_U

ClientSampleId :

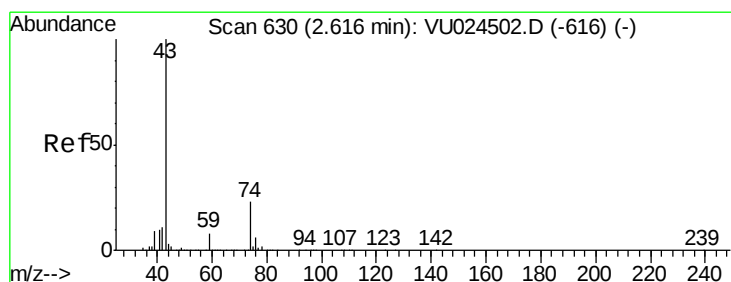
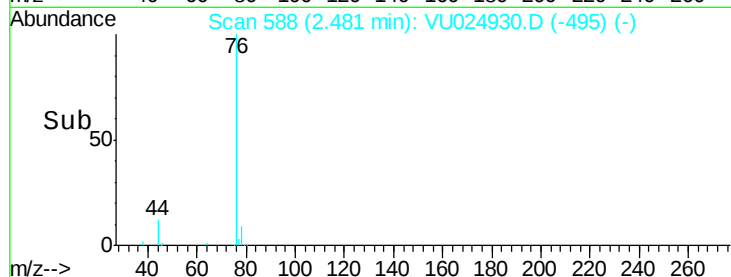
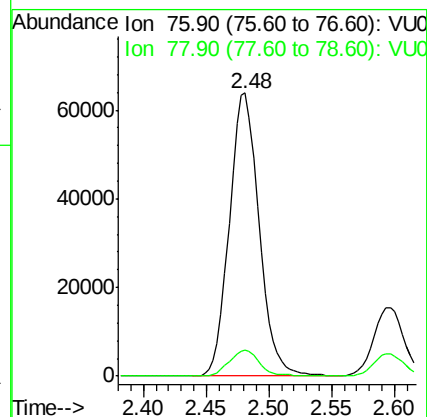
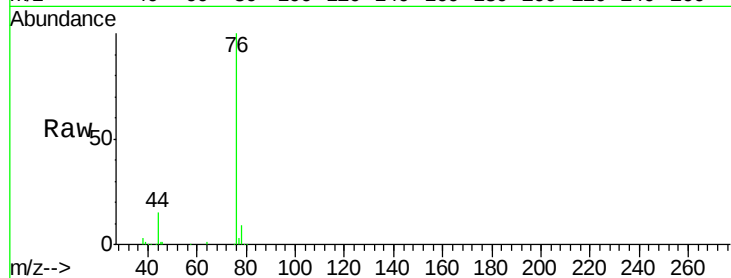
VU0627MBS01

Tgt Ion: 76 Resp: 105361

Ion Ratio Lower Upper

76 100

78 9.1 7.1 10.7



#18

Methyl Acetate

Concen: 23.845 ug/l

RT: 2.62 min Scan# 630

Delta R.T. 0.00 min

Lab File: VU024930.D

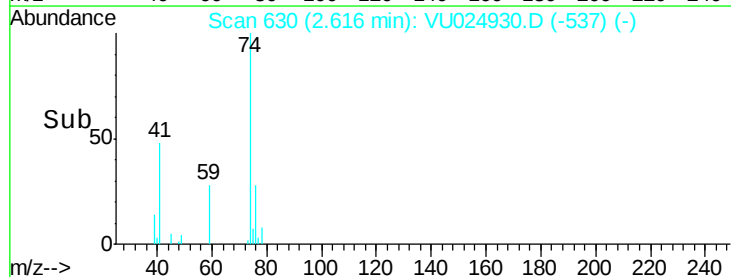
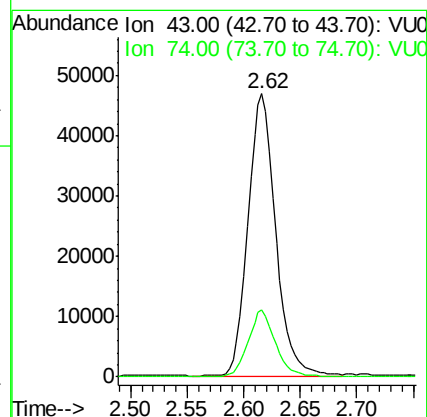
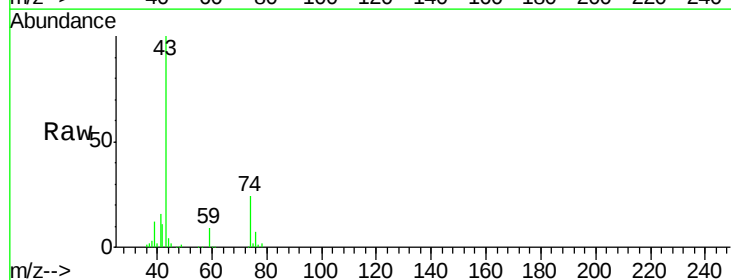
Acq: 26 Jun 2018 19:31

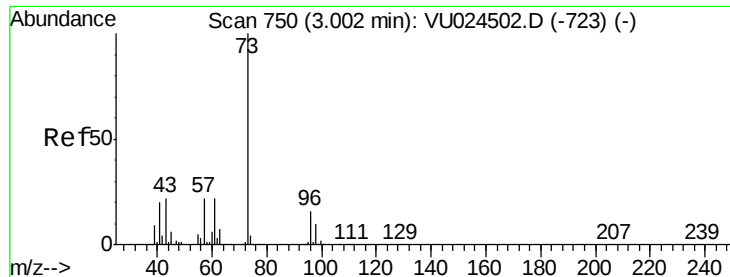
Tgt Ion: 43 Resp: 80033

Ion Ratio Lower Upper

43 100

74 23.1 18.0 27.0





#19

Methyl tert-butyl Ether

Concen: 21.073 ug/l

RT: 3.00 min Scan# 749

Delta R.T. -0.00 min

Lab File: VU024930.D

Acq: 26 Jun 2018 19:31

Instrument :

MSVOA_U

ClientSampleId :

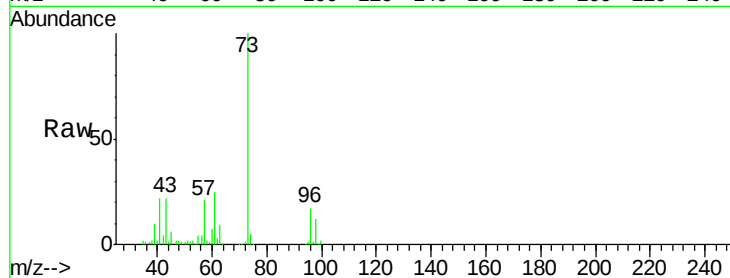
VU0627MBS01

Tgt Ion: 73 Resp: 160990

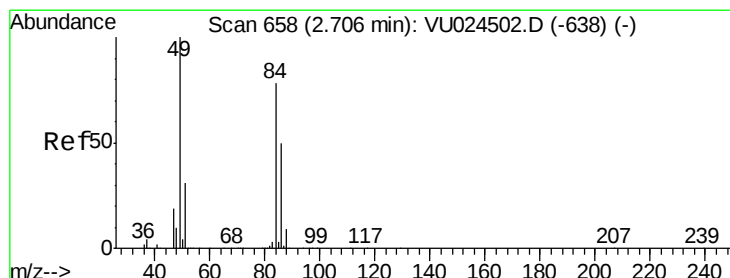
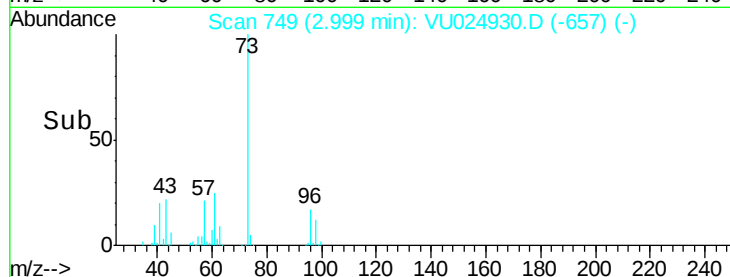
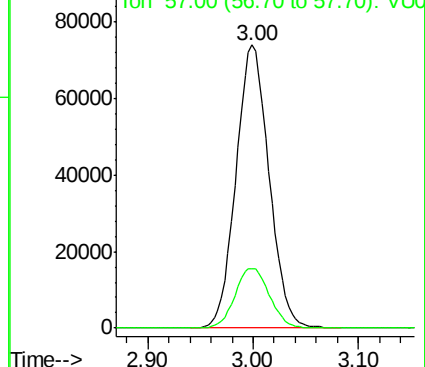
Ion Ratio Lower Upper

73 100

57 21.2 18.8 28.2



Abundance Ion 73.00 (72.70 to 73.70): VU024930.D (-657) (-)



#20

Methylene Chloride

Concen: 21.425 ug/l

RT: 2.70 min Scan# 657

Delta R.T. -0.00 min

Lab File: VU024930.D

Acq: 26 Jun 2018 19:31

Tgt Ion: 84 Resp: 52632

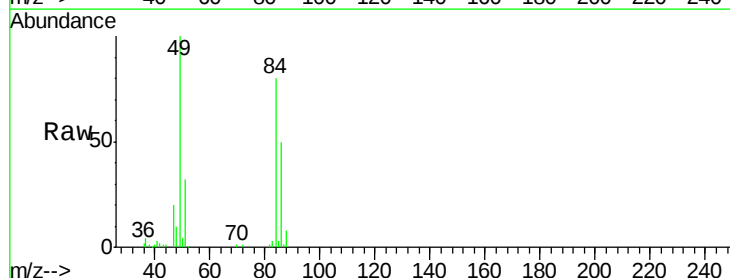
Ion Ratio Lower Upper

84 100

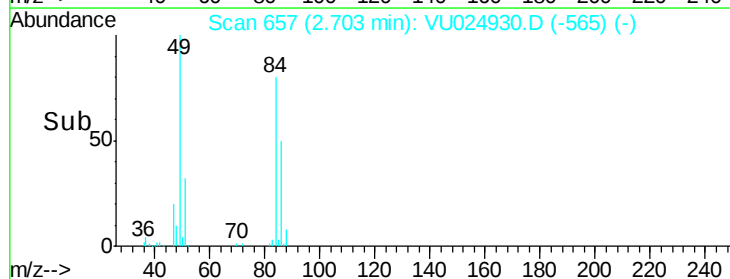
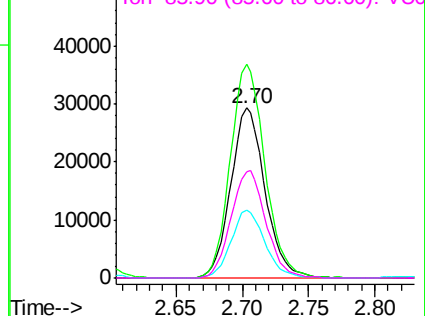
49 125.8 103.8 155.8

51 40.1 32.0 48.0

86 62.8 51.6 77.4



Abundance Ion 83.90 (83.60 to 84.60): VU024930.D (-565) (-)





#21

trans-1,2-Dichloroethene

Concen: 19.169 ug/l

RT: 2.99 min Scan# 745

Delta R.T. 0.00 min

Lab File: VU024930.D

Acq: 26 Jun 2018 19:31

Instrument :

MSVOA_U

ClientSampleId :

VU0627MBS01

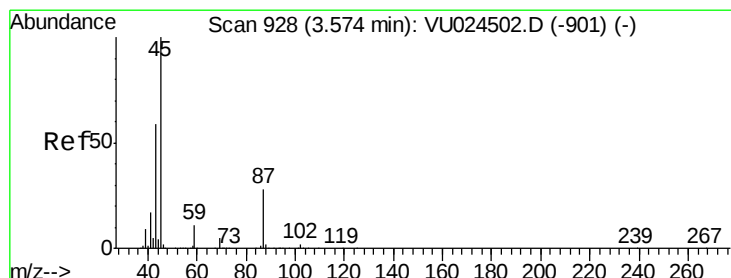
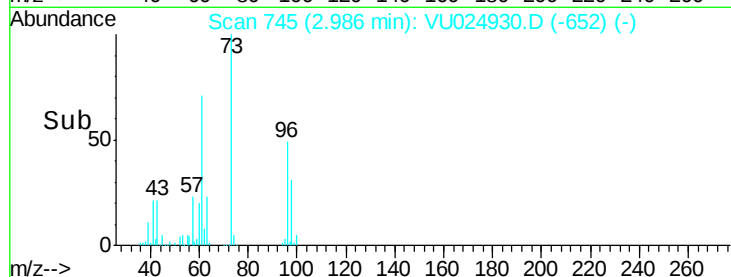
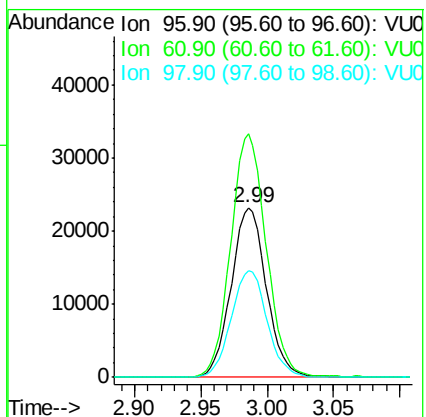
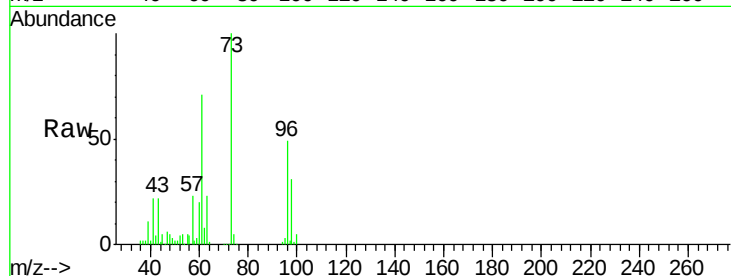
Tgt Ion: 96 Resp: 42909

Ion Ratio Lower Upper

96 100

61 143.4 119.4 179.0

98 63.1 51.1 76.7



#22

Diisopropyl ether

Concen: 20.646 ug/l

RT: 3.57 min Scan# 927

Delta R.T. -0.00 min

Lab File: VU024930.D

Acq: 26 Jun 2018 19:31

Tgt Ion: 45 Resp: 154442

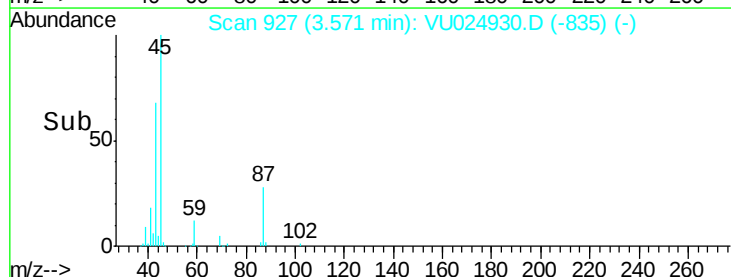
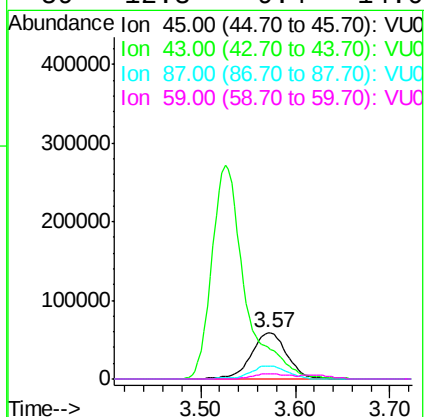
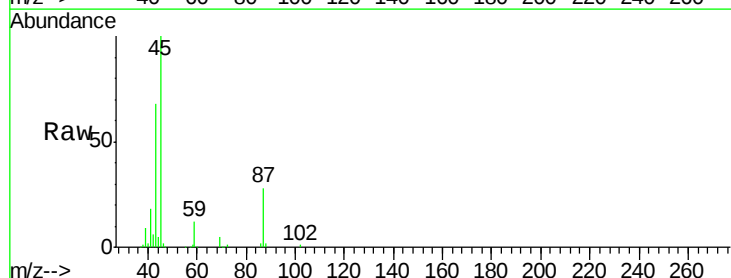
Ion Ratio Lower Upper

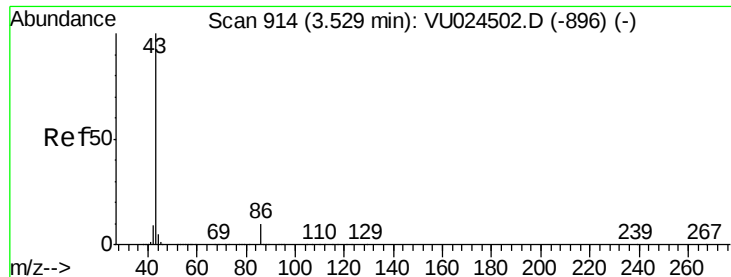
45 100

43 65.8 45.8 68.6

87 28.0 20.6 31.0

59 12.3 9.4 14.0

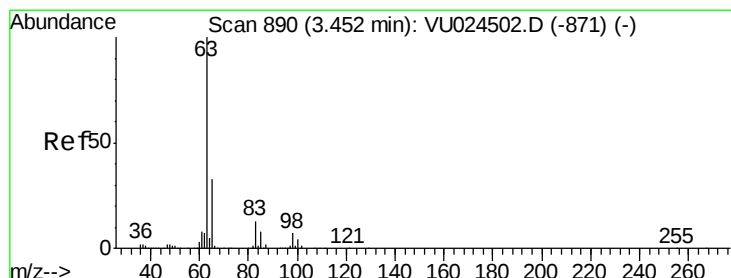
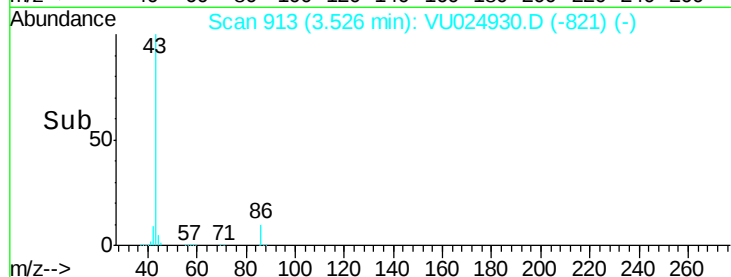
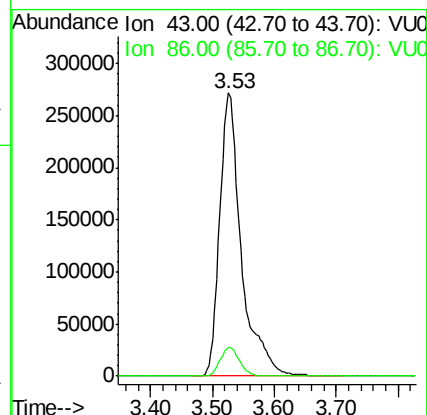
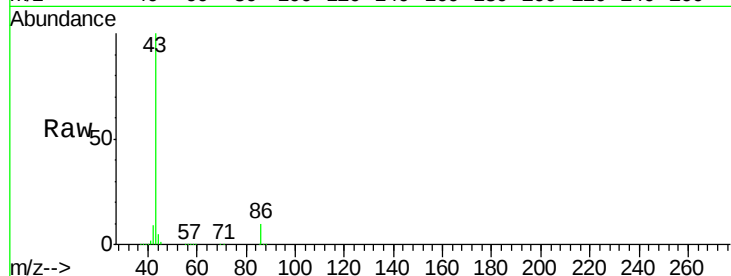




#23
 Vinyl Acetate
 Concen: 99.132 ug/l
 RT: 3.53 min Scan# 913
 Delta R.T. -0.00 min
 Lab File: VU024930.D
 Acq: 26 Jun 2018 19:31

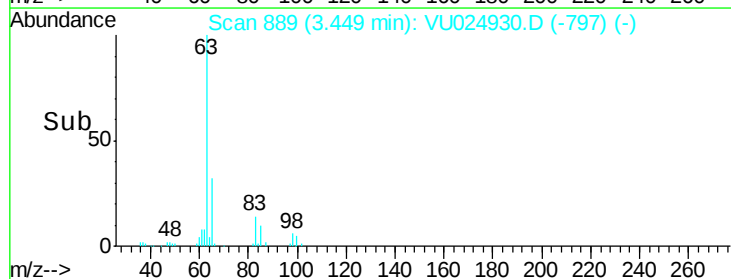
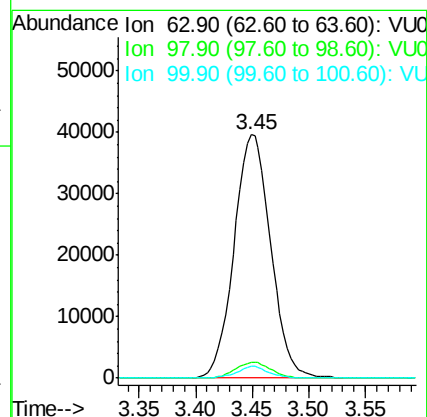
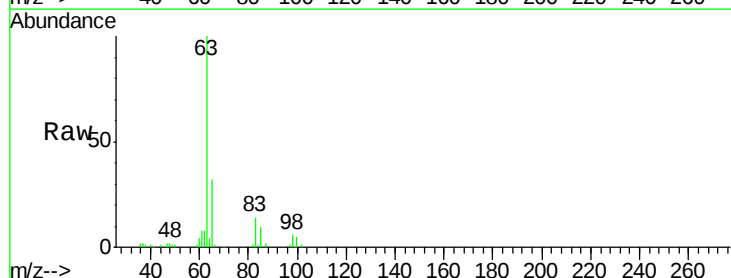
Instrument :
 MSVOA_U
 ClientSampleId :
 VU0627MBS01

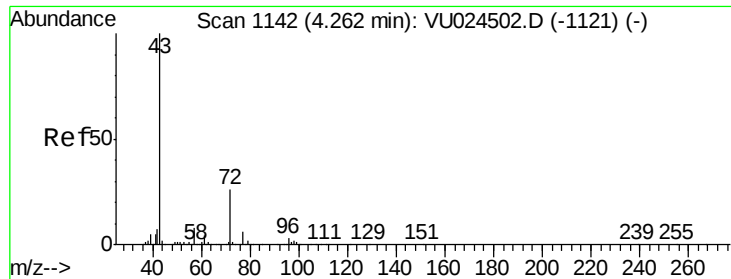
Tgt Ion: 43 Resp: 664286
 Ion Ratio Lower Upper
 43 100
 86 10.3 7.8 11.8



#24
 1,1-Dichloroethane
 Concen: 20.704 ug/l
 RT: 3.45 min Scan# 889
 Delta R.T. -0.00 min
 Lab File: VU024930.D
 Acq: 26 Jun 2018 19:31

Tgt Ion: 63 Resp: 89095
 Ion Ratio Lower Upper
 63 100
 98 6.5 3.5 10.4
 100 4.8 1.8 5.5

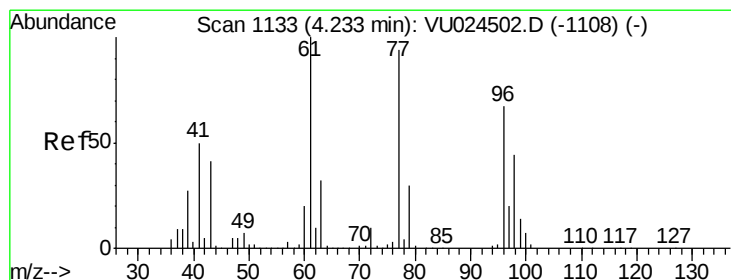
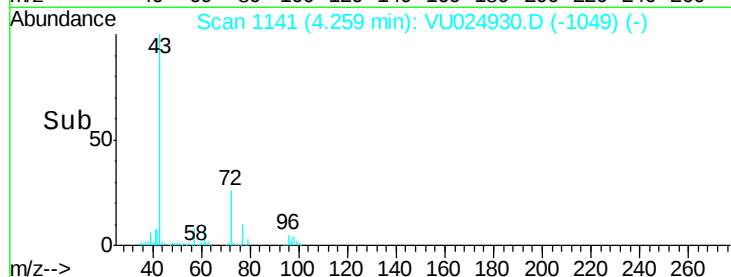
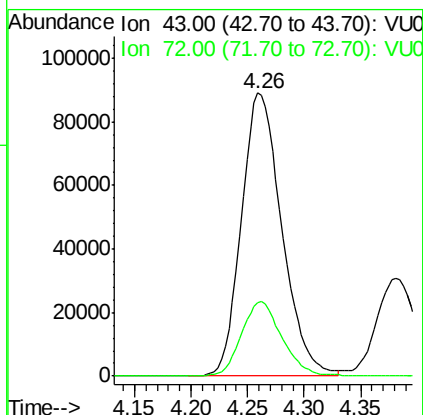
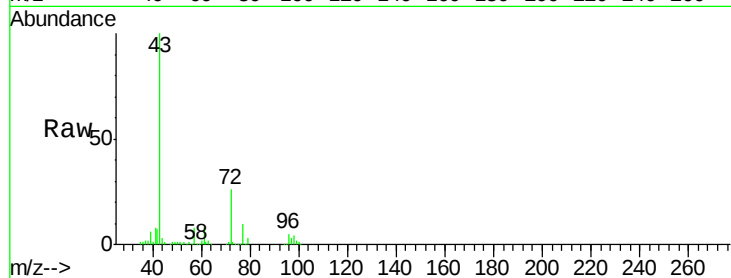




#25
 2-Butanone
 Concen: 104.607 ug/l
 RT: 4.26 min Scan# 1141
 Delta R.T. -0.00 min
 Lab File: VU024930.D
 Acq: 26 Jun 2018 19:31

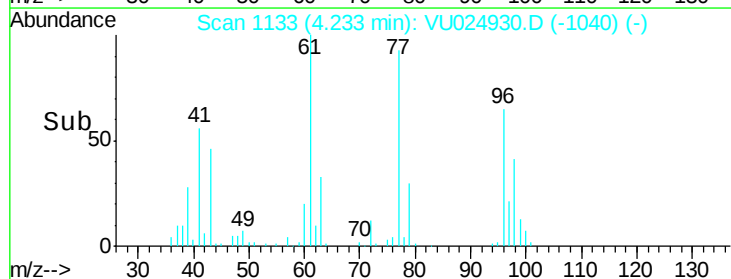
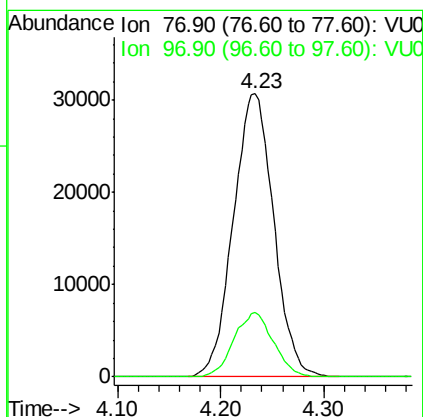
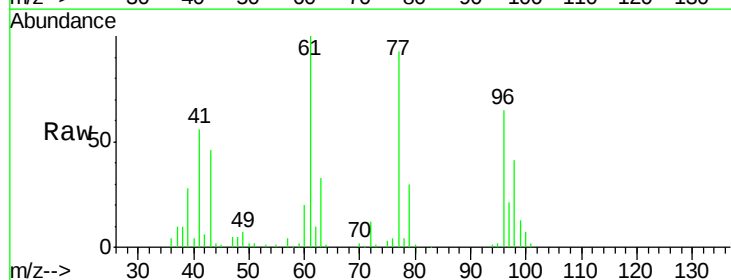
Instrument :
 MSVOA_U
 ClientSampleId :
 VU0627MBS01

Tgt Ion: 43 Resp: 219990
 Ion Ratio Lower Upper
 43 100
 72 26.0 19.6 29.4



#26
 2,2-Dichloropropane
 Concen: 20.431 ug/l
 RT: 4.23 min Scan# 1133
 Delta R.T. 0.00 min
 Lab File: VU024930.D
 Acq: 26 Jun 2018 19:31

Tgt Ion: 77 Resp: 83486
 Ion Ratio Lower Upper
 77 100
 97 22.2 11.3 33.8





#27

cis-1,2-Dichloroethene

Concen: 20.348 ug/l

RT: 4.23 min Scan# 1132

Delta R.T. -0.00 min

Lab File: VU024930.D

Acq: 26 Jun 2018 19:31

Instrument :

MSVOA_U

ClientSampleId :

VU0627MBS01

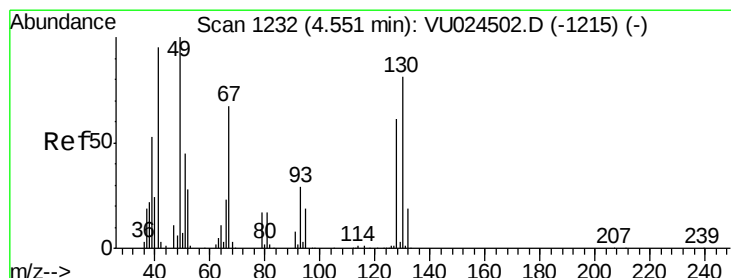
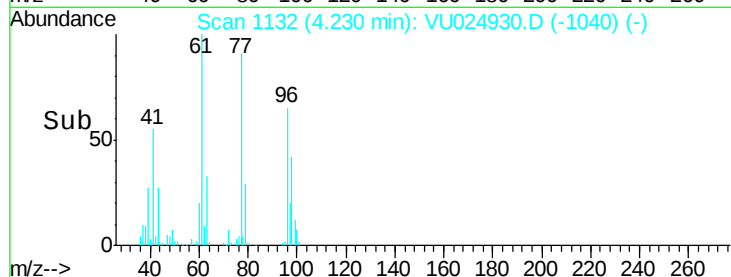
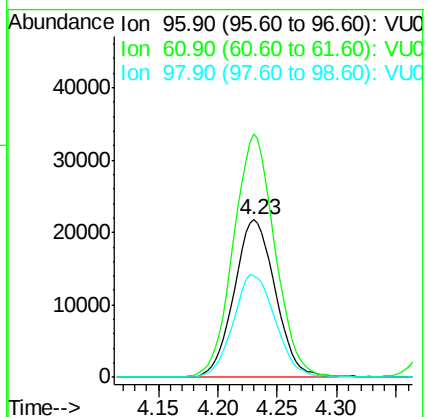
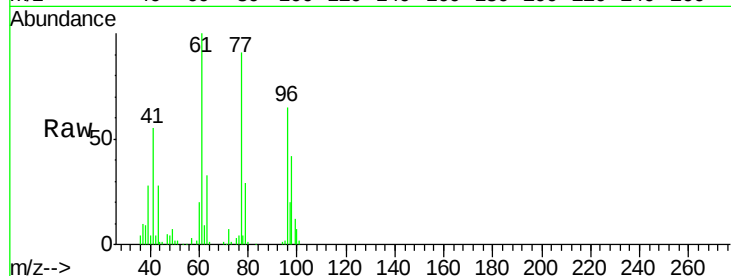
Tgt Ion: 96 Resp: 52366

Ion Ratio Lower Upper

96 100

61 155.0 0.0 306.6

98 66.4 0.0 128.8



#28

Bromochloromethane

Concen: 22.637 ug/l

RT: 4.55 min Scan# 1232

Delta R.T. 0.00 min

Lab File: VU024930.D

Acq: 26 Jun 2018 19:31

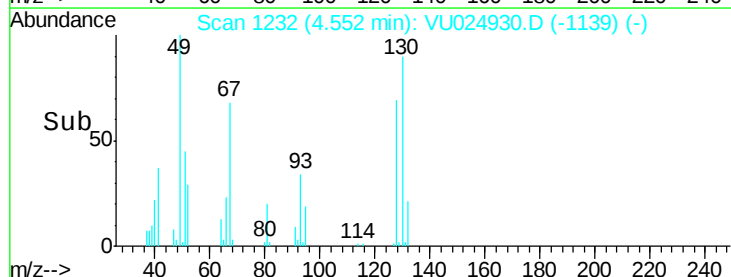
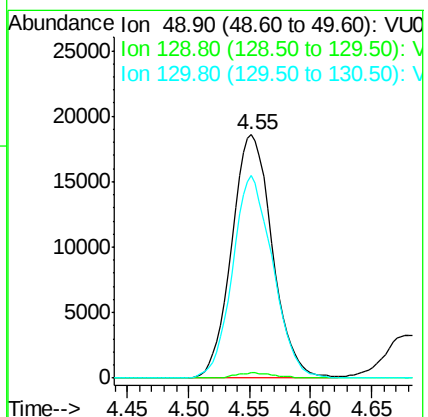
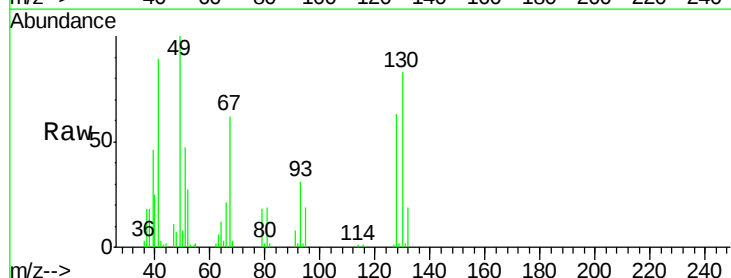
Tgt Ion: 49 Resp: 42909

Ion Ratio Lower Upper

49 100

129 1.9 0.0 3.8

130 82.5 57.8 86.6





#29

Tetrahydrofuran

Concen: 101.812 ug/l

RT: 4.64 min Scan# 1258

Delta R.T. -0.00 min

Lab File: VU024930.D

Acq: 26 Jun 2018 19:31

Instrument :

MSVOA_U

ClientSampleId :

VU0627MBS01

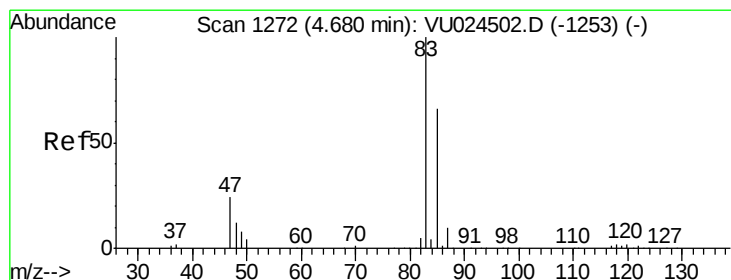
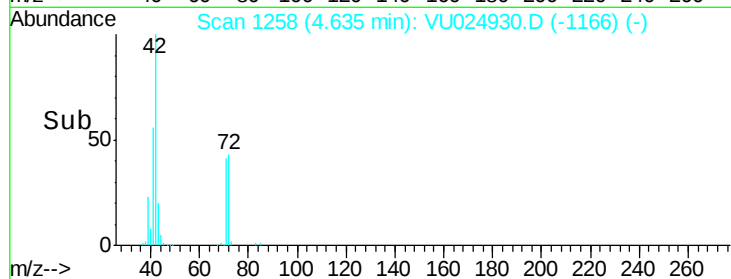
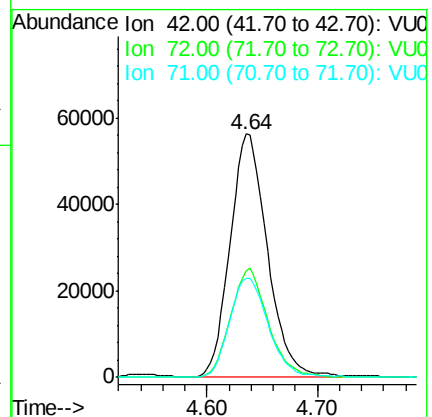
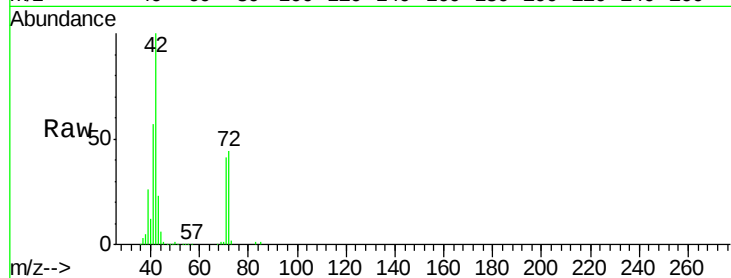
Tgt Ion: 42 Resp: 132592

Ion Ratio Lower Upper

42 100

72 44.8 34.5 51.7

71 42.5 32.2 48.4



#30

Chloroform

Concen: 21.234 ug/l

RT: 4.68 min Scan# 1271

Delta R.T. -0.00 min

Lab File: VU024930.D

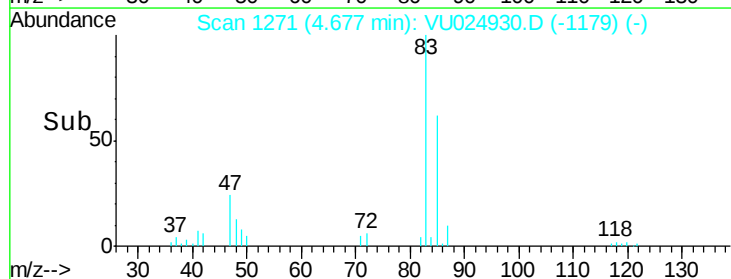
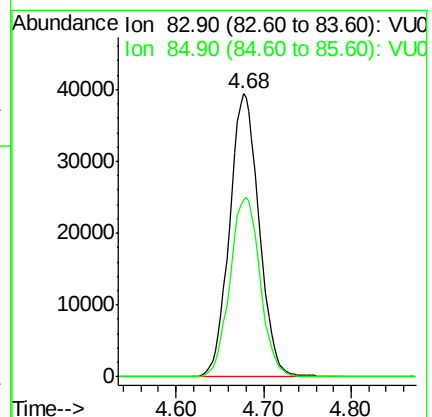
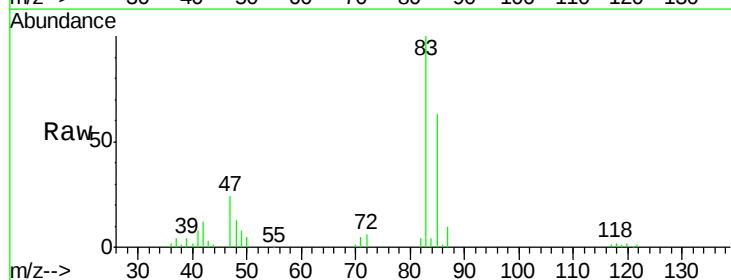
Acq: 26 Jun 2018 19:31

Tgt Ion: 83 Resp: 92491

Ion Ratio Lower Upper

83 100

85 62.8 52.4 78.6

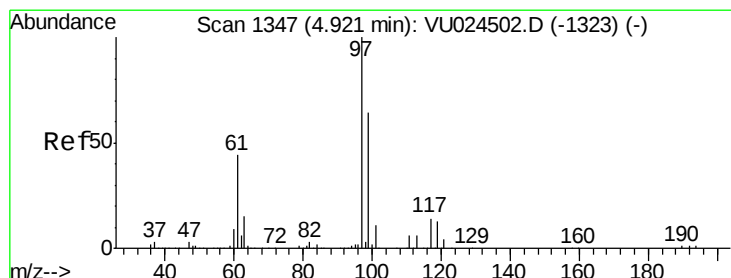
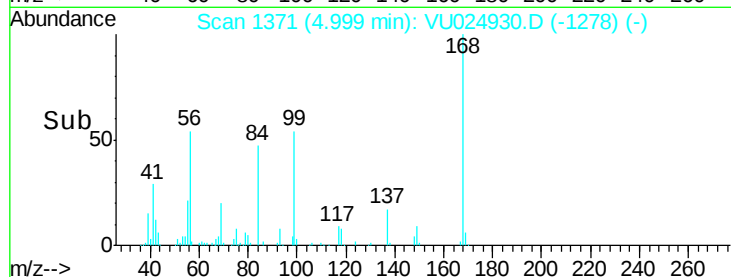
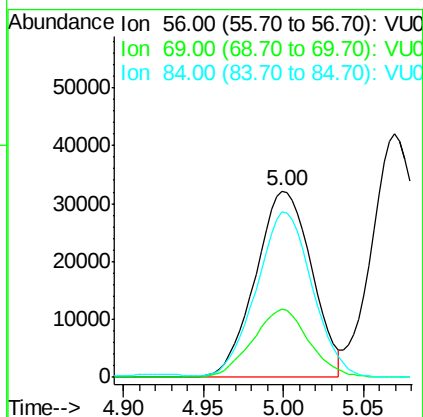
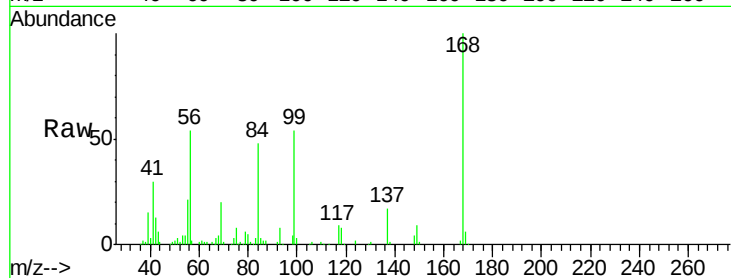




#31
Cyclohexane
Concen: 19.267 ug/l
RT: 5.00 min Scan# 1371
Delta R.T. -0.00 min
Lab File: VU024930.D
Acq: 26 Jun 2018 19:31

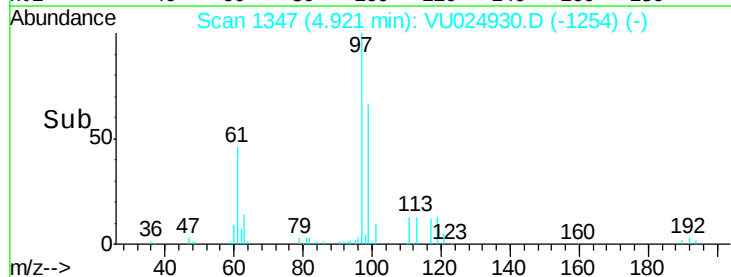
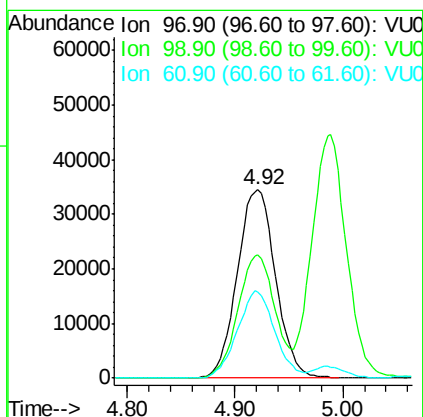
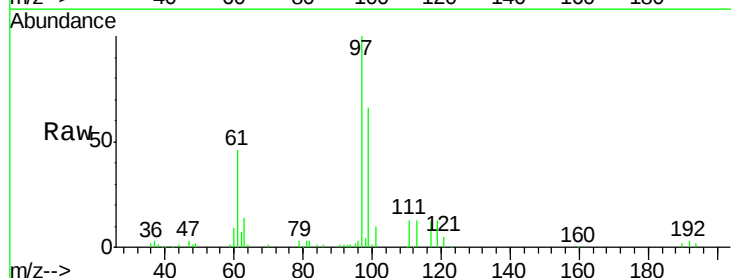
Instrument :
MSVOA_U
ClientSampled :
VU0627MBS01

Tgt Ion: 56 Resp: 78265
Ion Ratio Lower Upper
56 100
69 36.4 24.8 37.2
84 88.1 65.2 97.8



#32
1,1,1-Trichloroethane
Concen: 21.071 ug/l
RT: 4.92 min Scan# 1347
Delta R.T. 0.00 min
Lab File: VU024930.D
Acq: 26 Jun 2018 19:31

Tgt Ion: 97 Resp: 84870
Ion Ratio Lower Upper
97 100
99 64.3 51.0 76.6
61 45.4 39.4 59.0





#33

1,2-Dichloroethane-d4

Concen: 48.296 ug/l

RT: 5.31 min Scan# 1469

Delta R.T. 0.00 min

Lab File: VU024930.D

Acq: 26 Jun 2018 19:31

Instrument :

MSVOA_U

ClientSampleId :

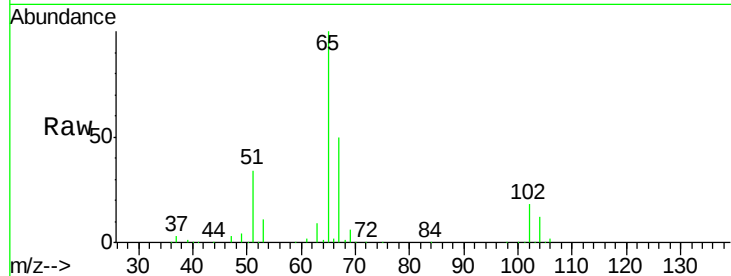
VU0627MBS01

Tgt Ion: 65 Resp: 140730

Ion Ratio Lower Upper

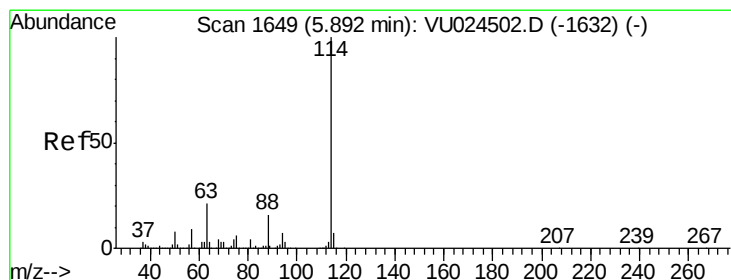
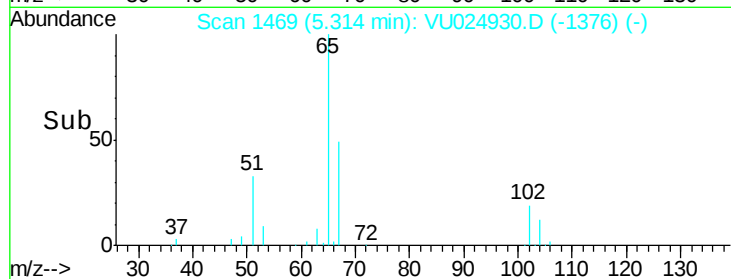
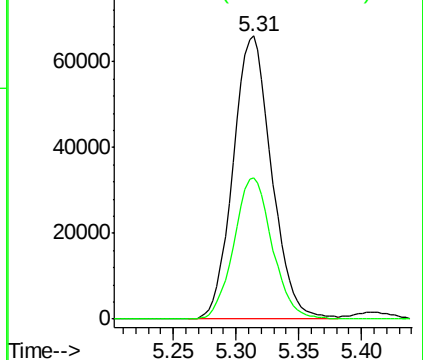
65 100

67 49.9 0.0 107.0



Abundance Ion 64.90 (64.60 to 65.60): VU0

Ion 66.90 (66.60 to 67.60): VU0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.89 min Scan# 1648

Delta R.T. -0.00 min

Lab File: VU024930.D

Acq: 26 Jun 2018 19:31

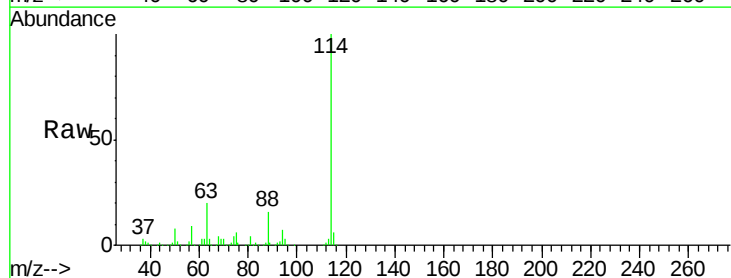
Tgt Ion: 114 Resp: 269465

Ion Ratio Lower Upper

114 100

63 20.3 0.0 45.4

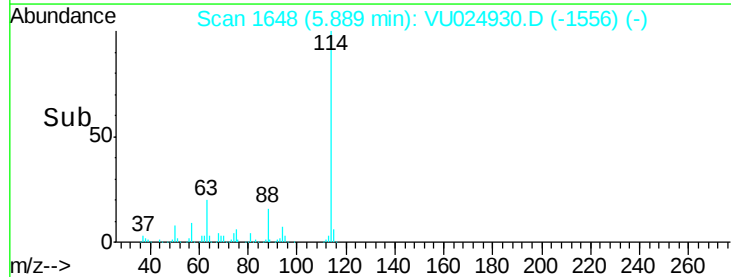
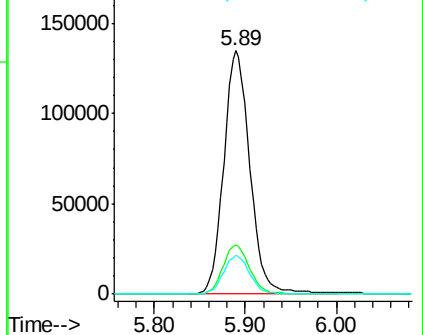
88 15.7 0.0 31.0



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VU0

Ion 87.90 (87.60 to 88.60): VU0

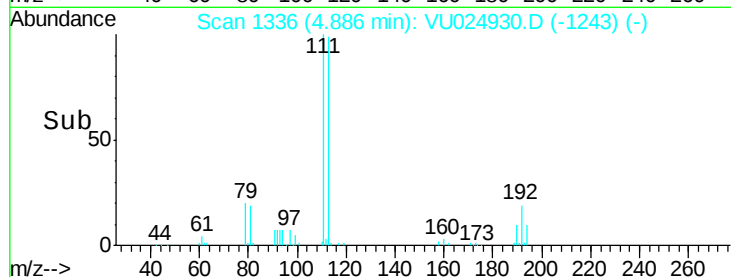
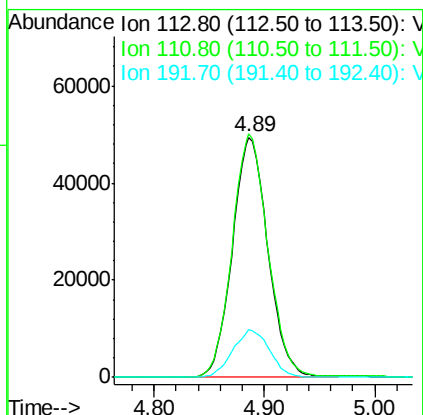
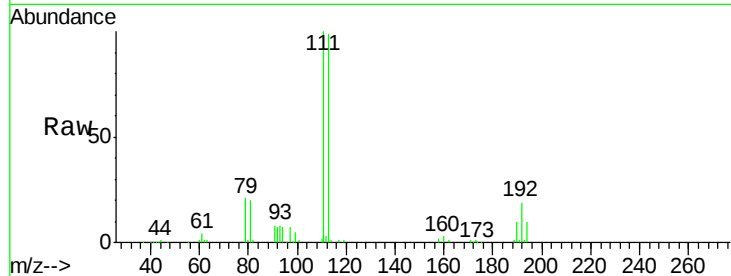




#35
 Dibromofluoromethane
 Concen: 49.271 ug/l
 RT: 4.89 min Scan# 1336
 Delta R.T. 0.00 min
 Lab File: VU024930.D
 Acq: 26 Jun 2018 19:31

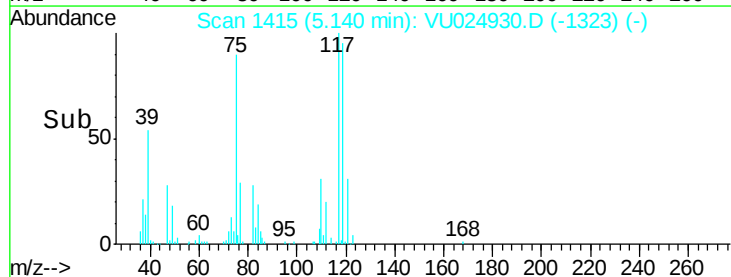
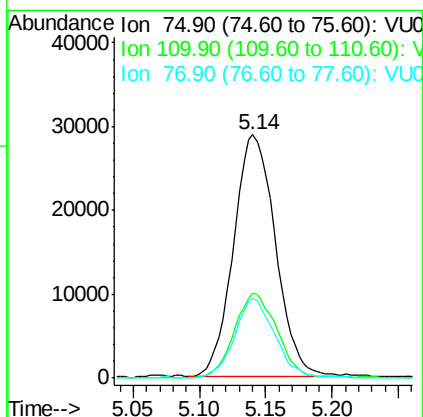
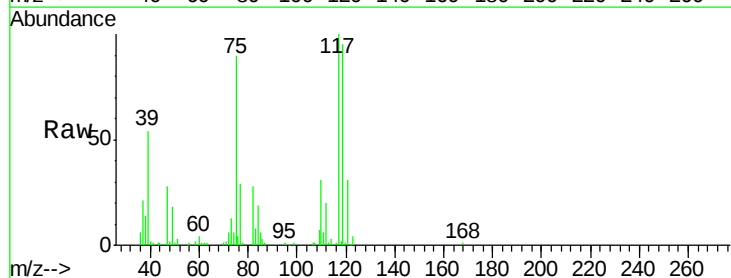
Instrument :
 MSVOA_U
 ClientSampleId :
 VU0627MBS01

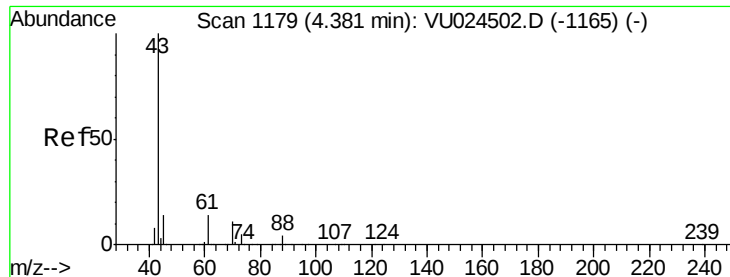
Tgt Ion:113 Resp: 110188
 Ion Ratio Lower Upper
 113 100
 111 101.8 82.2 123.4
 192 20.6 16.2 24.4



#36
 1,1-Dichloropropene
 Concen: 20.048 ug/l
 RT: 5.14 min Scan# 1415
 Delta R.T. -0.00 min
 Lab File: VU024930.D
 Acq: 26 Jun 2018 19:31

Tgt Ion: 75 Resp: 63480
 Ion Ratio Lower Upper
 75 100
 110 35.9 17.0 50.9
 77 31.5 24.2 36.4

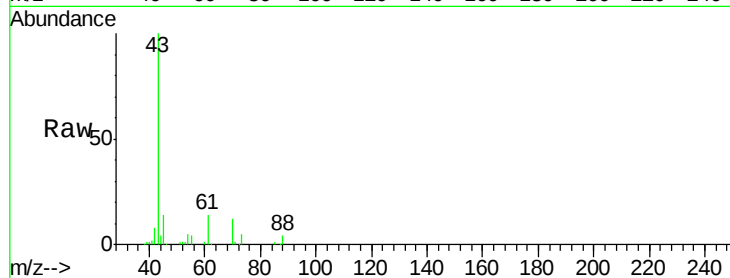




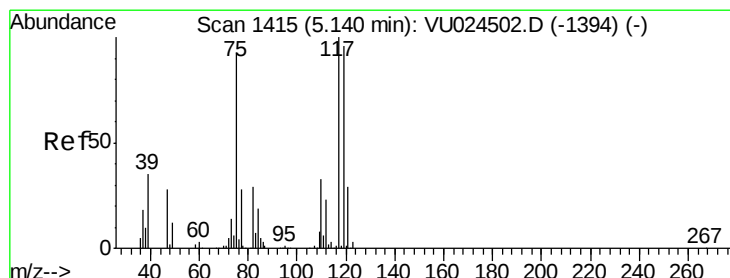
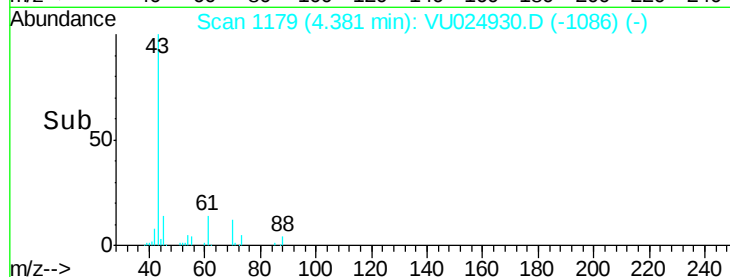
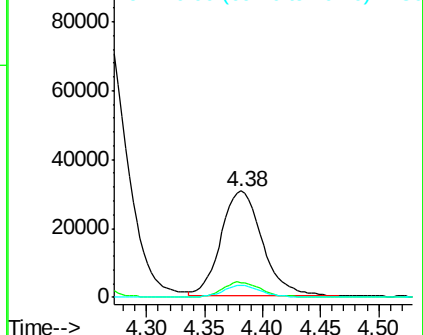
#37
Ethyl Acetate
Concen: 21.957 ug/l
RT: 4.38 min Scan# 1179
Delta R.T. 0.00 min
Lab File: VU024930.D
Acq: 26 Jun 2018 19:31

Instrument :
MSVOA_U
ClientSampleId :
VU0627MBS01

Tgt Ion: 43 Resp: 75778
Ion Ratio Lower Upper
43 100
61 14.1 10.5 15.7
70 10.6 7.4 11.2

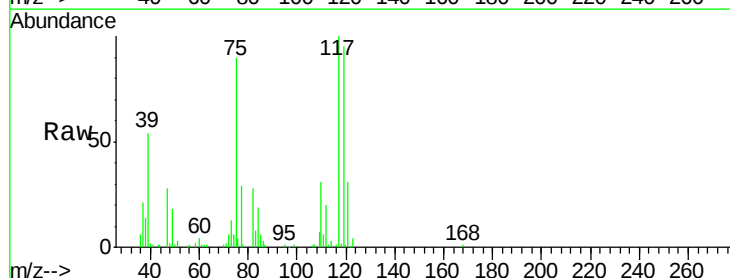


Abundance Ion 43.00 (42.70 to 43.70): VU0
Ion 60.90 (60.60 to 61.60): VU0
Ion 70.00 (69.70 to 70.70): VU0

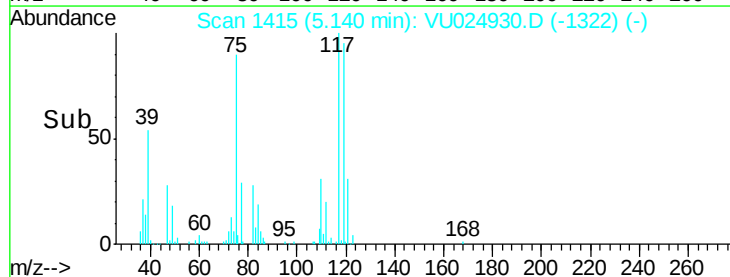
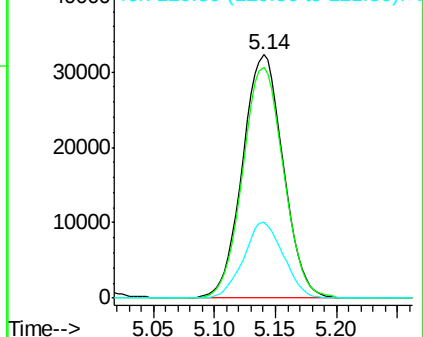


#38
Carbon Tetrachloride
Concen: 21.418 ug/l
RT: 5.14 min Scan# 1415
Delta R.T. 0.00 min
Lab File: VU024930.D
Acq: 26 Jun 2018 19:31

Tgt Ion: 117 Resp: 74577
Ion Ratio Lower Upper
117 100
119 94.7 76.1 114.1
121 31.0 23.7 35.5



Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

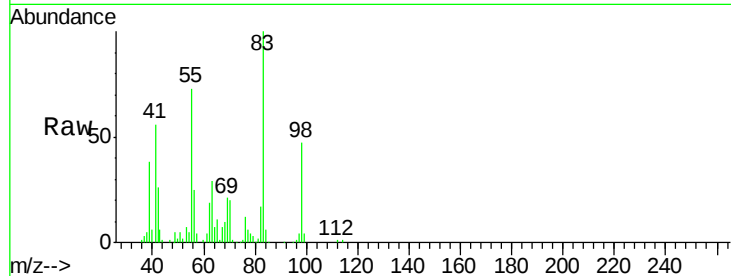




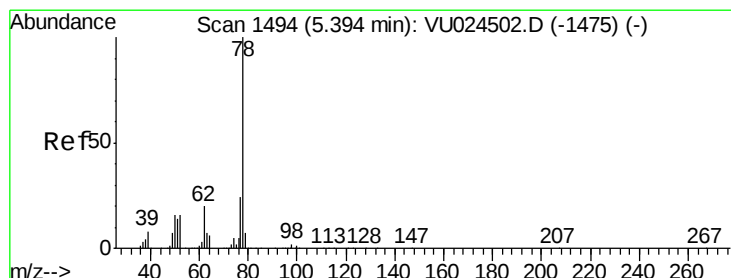
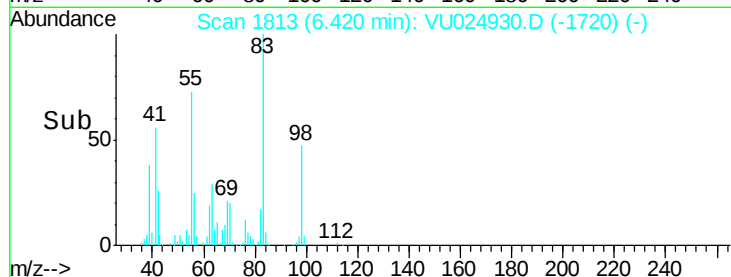
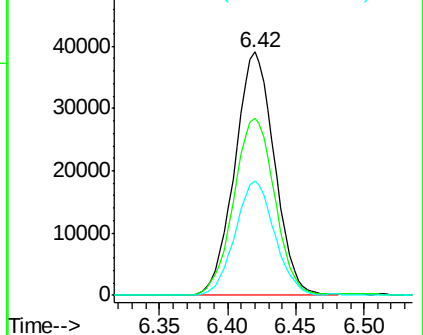
#39
Methylcyclohexane
Concen: 19.996 ug/l
RT: 6.42 min Scan# 1813
Delta R.T. 0.00 min
Lab File: VU024930.D
Acq: 26 Jun 2018 19:31

Instrument :
MSVOA_U
ClientSampleId :
VU0627MBS01

Tgt Ion: 83 Resp: 79013
Ion Ratio Lower Upper
83 100
55 72.7 65.8 98.6
98 46.9 36.7 55.1

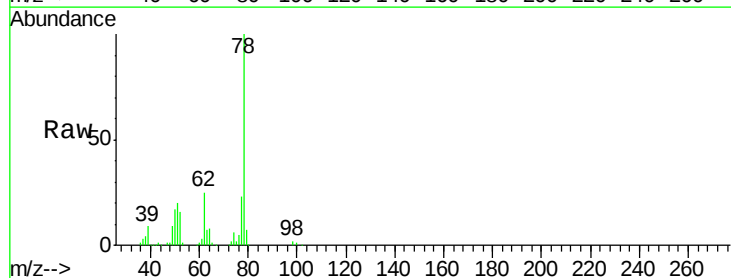


Abundance Ion 83.00 (82.70 to 83.70): VU0
Ion 55.00 (54.70 to 55.70): VU0
Ion 98.00 (97.70 to 98.70): VU0

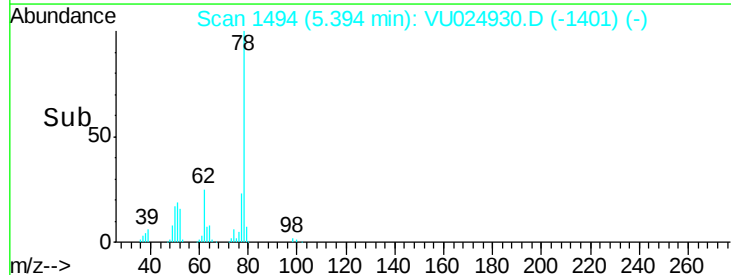
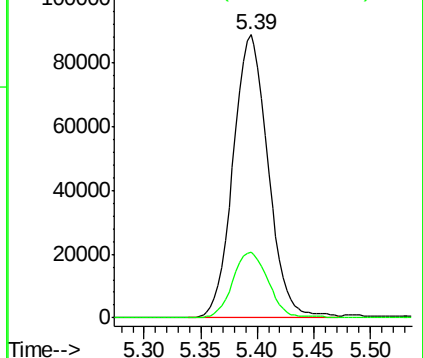


#40
Benzene
Concen: 21.257 ug/l
RT: 5.39 min Scan# 1494
Delta R.T. 0.00 min
Lab File: VU024930.D
Acq: 26 Jun 2018 19:31

Tgt Ion: 78 Resp: 191795
Ion Ratio Lower Upper
78 100
77 23.1 19.2 28.8



Abundance Ion 78.00 (77.70 to 78.70): VU0
Ion 77.00 (76.70 to 77.70): VU0

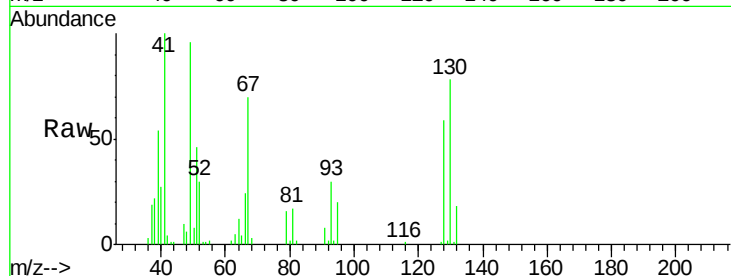




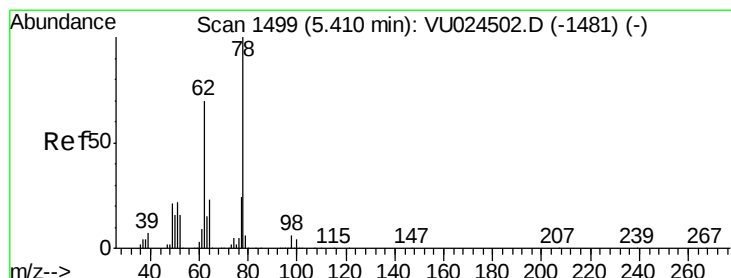
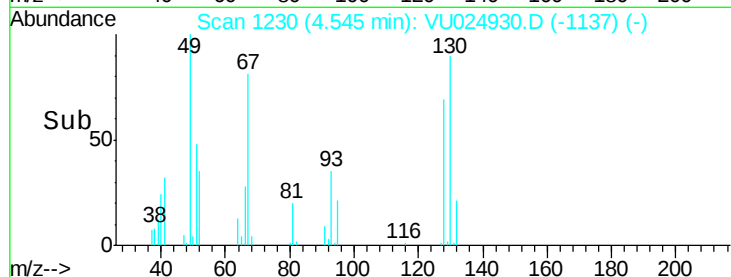
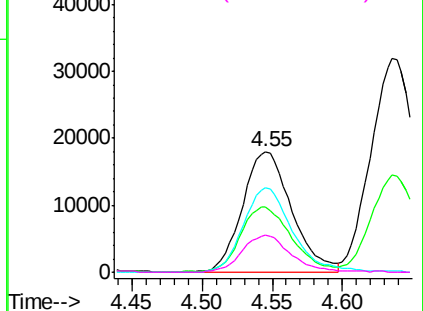
#41
Methacrylonitrile
Concen: 23.665 ug/l
RT: 4.55 min Scan# 1230
Delta R.T. 0.00 min
Lab File: VU024930.D
Acq: 26 Jun 2018 19:31

Instrument :
MSVOA_U
ClientSampleId :
VU0627MBS01

Tgt Ion:	41	Resp:	44034
Ion	Ratio	Lower	Upper
41	100		
39	56.2	43.8	65.6
67	69.8	56.3	84.5
52	30.4	23.2	34.8

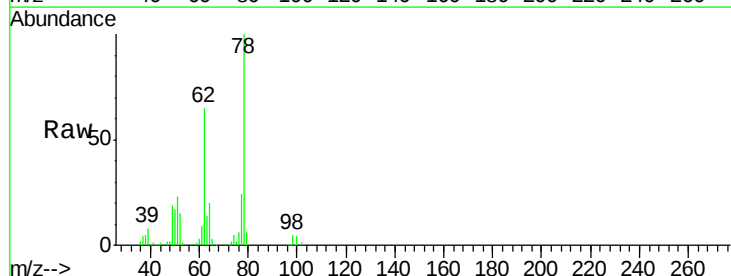


Abundance Ion 41.00 (40.70 to 41.70): VU0
Ion 39.00 (38.70 to 39.70): VU0
Ion 67.00 (66.70 to 67.70): VU0
Ion 52.00 (51.70 to 52.70): VU0

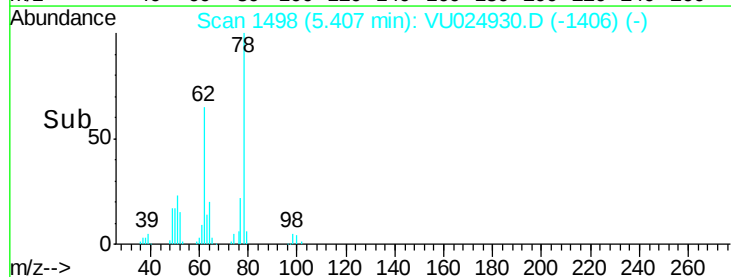
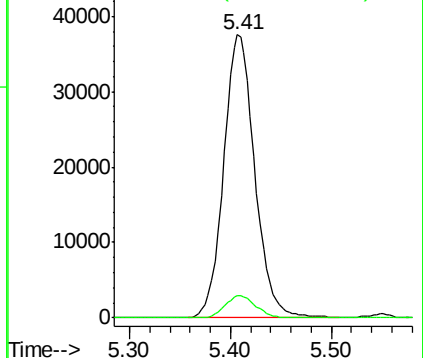


#42
1,2-Dichloroethane
Concen: 23.419 ug/l
RT: 5.41 min Scan# 1498
Delta R.T. -0.00 min
Lab File: VU024930.D
Acq: 26 Jun 2018 19:31

Tgt Ion:	62	Resp:	80477
Ion	Ratio	Lower	Upper
62	100		
98	7.7	0.0	16.6



Abundance Ion 61.90 (61.60 to 62.60): VU0
Ion 97.90 (97.60 to 98.60): VU0





#43

Isopropyl Acetate

Concen: 20.678 ug/l

RT: 5.55 min Scan# 1542

Delta R.T. -0.00 min

Lab File: VU024930.D

Acq: 26 Jun 2018 19:31

Instrument :

MSVOA_U

ClientSampleId :

VU0627MBS01

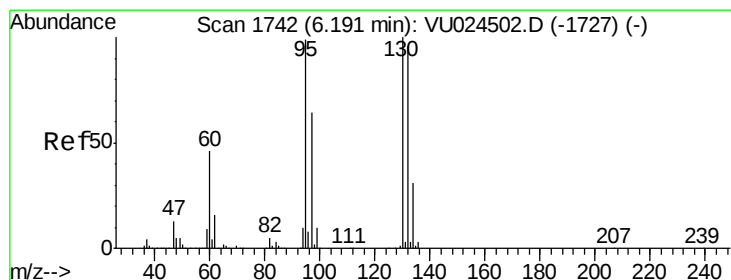
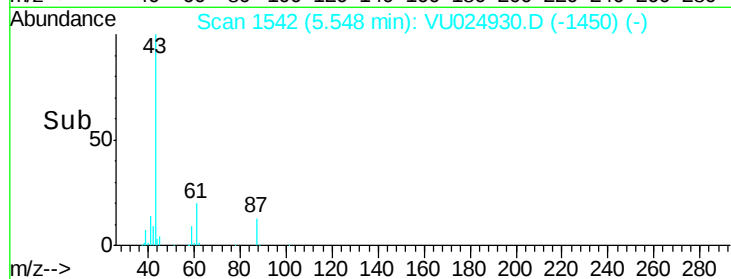
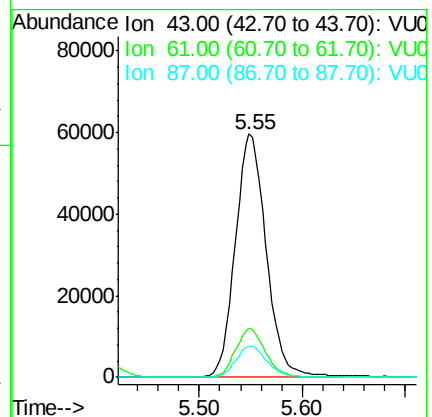
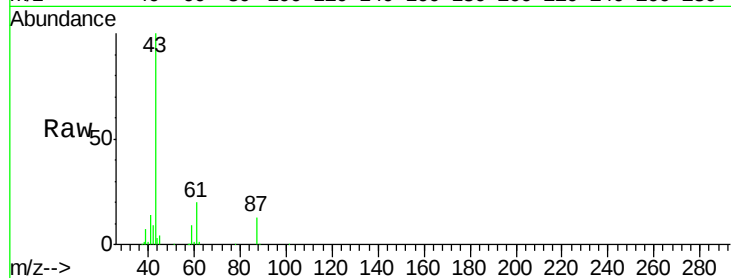
Tgt Ion: 43 Resp: 123353

Ion Ratio Lower Upper

43 100

61 19.6 15.4 23.0

87 13.0 10.0 15.0



#44

Trichloroethene

Concen: 20.407 ug/l

RT: 6.19 min Scan# 1742

Delta R.T. 0.00 min

Lab File: VU024930.D

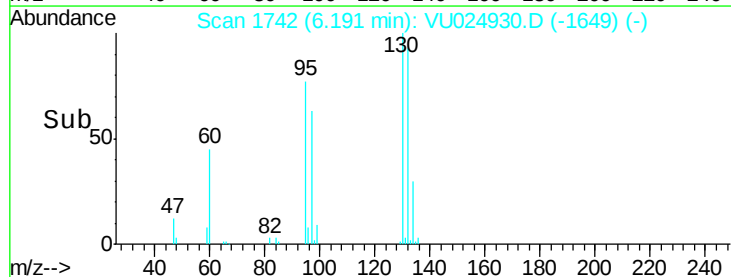
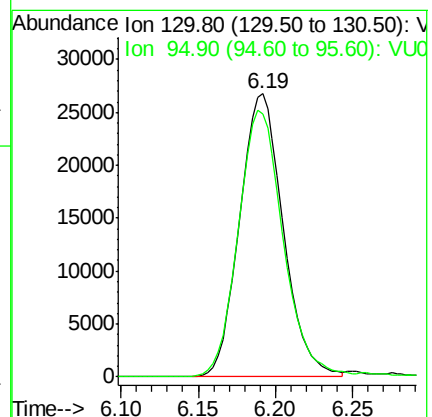
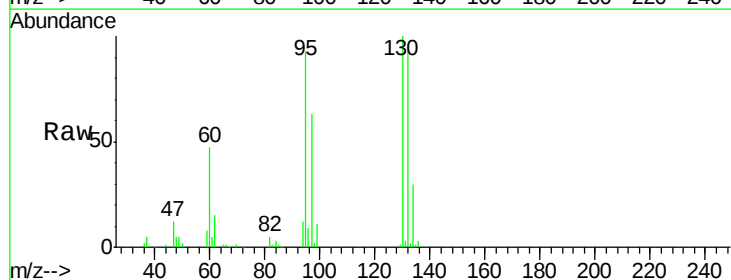
Acq: 26 Jun 2018 19:31

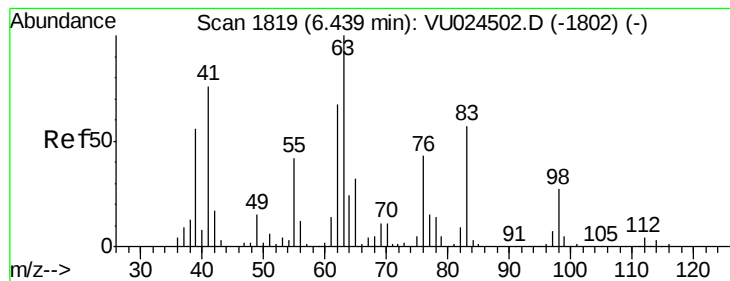
Tgt Ion: 130 Resp: 52402

Ion Ratio Lower Upper

130 100

95 93.1 0.0 202.4





#45

1,2-Dichloropropane

Concen: 21.695 ug/l

RT: 6.44 min Scan# 1818

Delta R.T. -0.00 min

Lab File: VU024930.D

Acq: 26 Jun 2018 19:31

Instrument :

MSVOA_U

ClientSampleId :

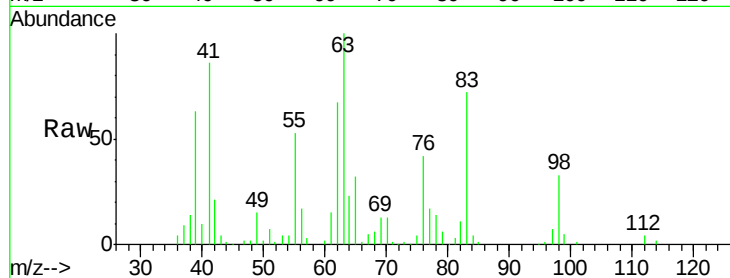
VU0627MBS01

Tgt Ion: 63 Resp: 52229

Ion Ratio Lower Upper

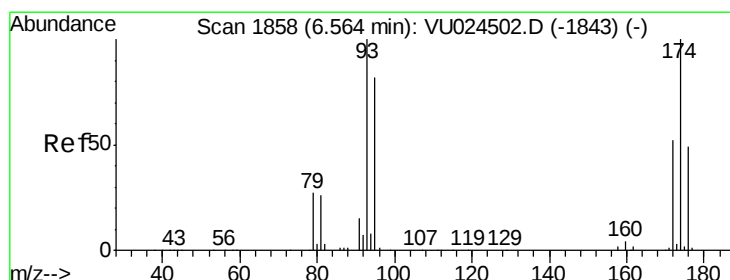
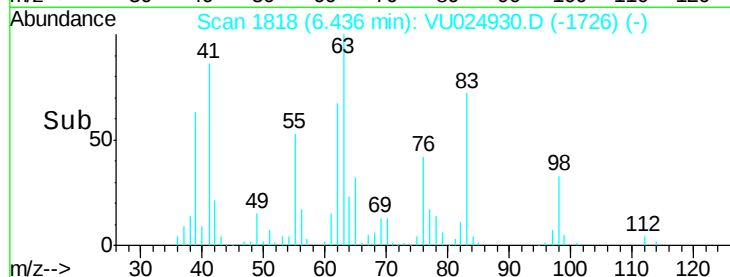
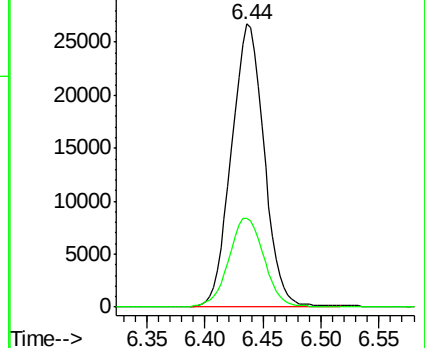
63 100

65 31.6 24.8 37.2



Abundance Ion 62.90 (62.60 to 63.60): VU0

Ion 64.90 (64.60 to 65.60): VU0



#46

Dibromomethane

Concen: 22.161 ug/l

RT: 6.56 min Scan# 1858

Delta R.T. 0.00 min

Lab File: VU024930.D

Acq: 26 Jun 2018 19:31

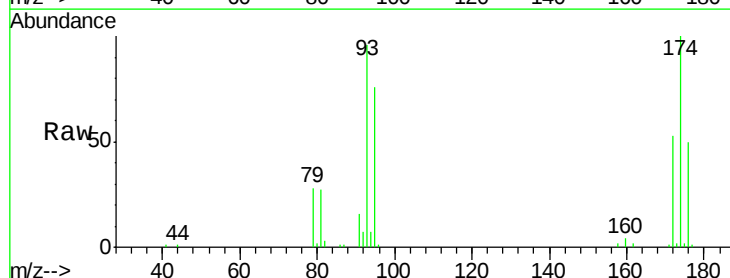
Tgt Ion: 93 Resp: 37475

Ion Ratio Lower Upper

93 100

95 82.9 65.5 98.3

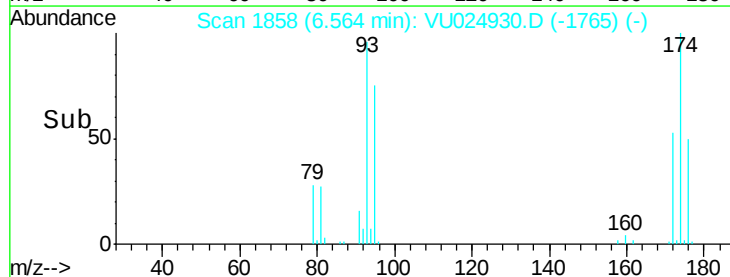
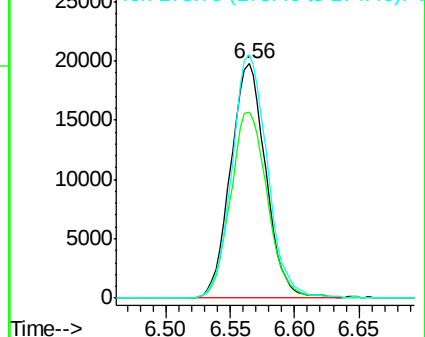
174 104.3 78.7 118.1



Abundance Ion 92.80 (92.50 to 93.50): VU0

Ion 94.80 (94.50 to 95.50): VU0

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 21.323 ug/l

RT: 6.76 min Scan# 1919

Delta R.T. 0.00 min

Lab File: VU024930.D

Acq: 26 Jun 2018 19:31

Instrument :

MSVOA_U

ClientSampleId :

VU0627MBS01

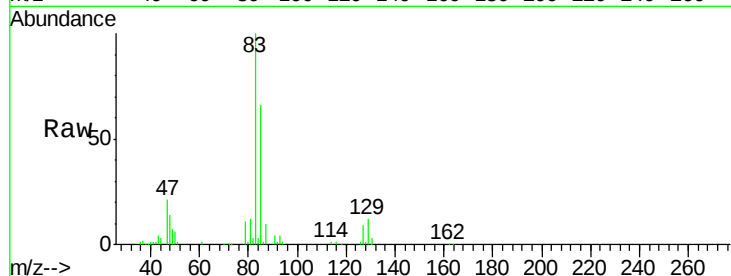
Tgt Ion: 83 Resp: 71802

Ion Ratio Lower Upper

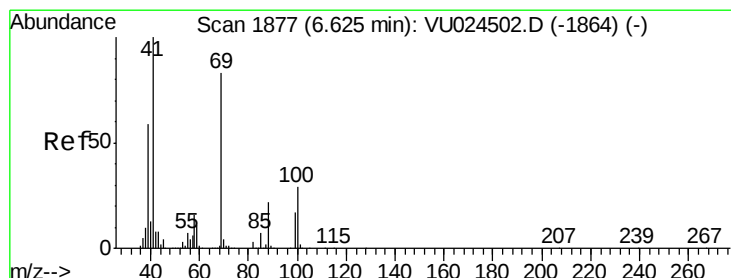
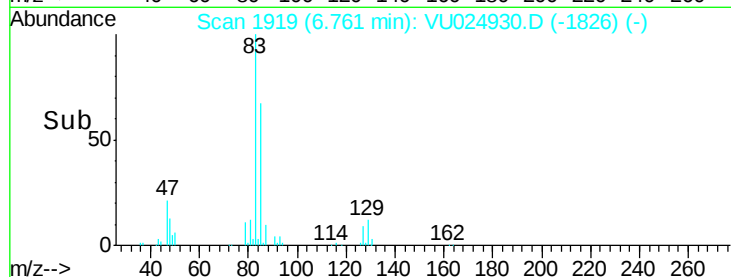
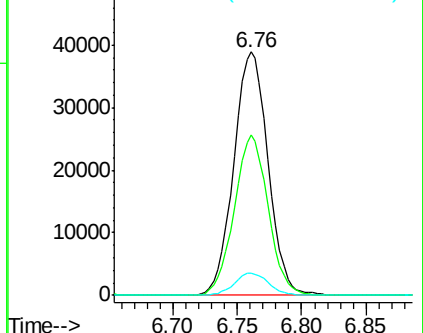
83 100

85 65.6 51.9 77.9

127 9.0 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: 21.949 ug/l

RT: 6.62 min Scan# 1876

Delta R.T. -0.00 min

Lab File: VU024930.D

Acq: 26 Jun 2018 19:31

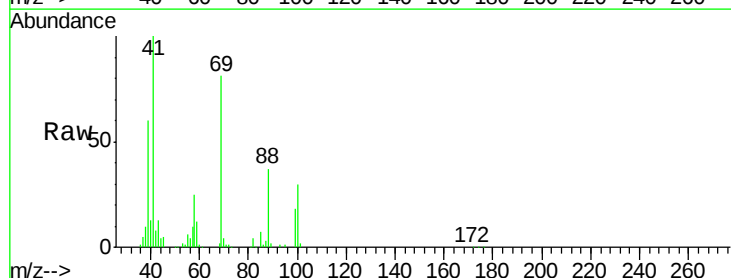
Tgt Ion: 41 Resp: 63759

Ion Ratio Lower Upper

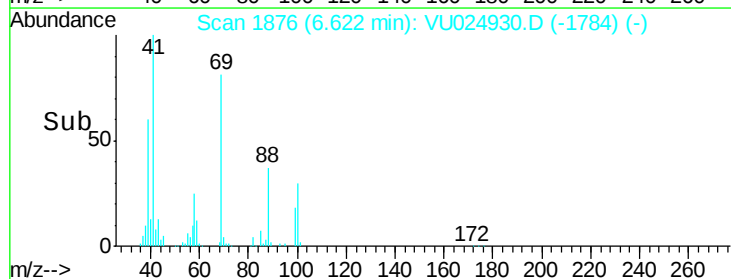
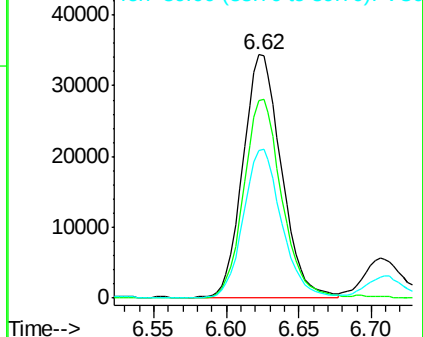
41 100

69 80.4 67.3 100.9

39 60.6 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

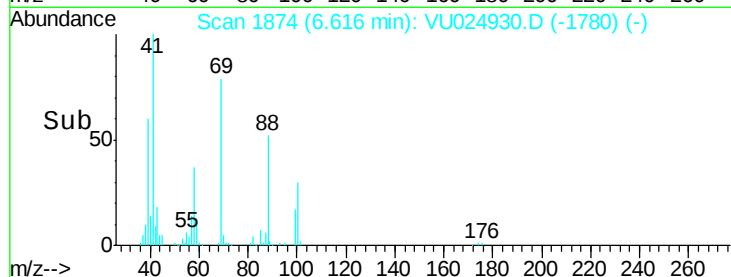
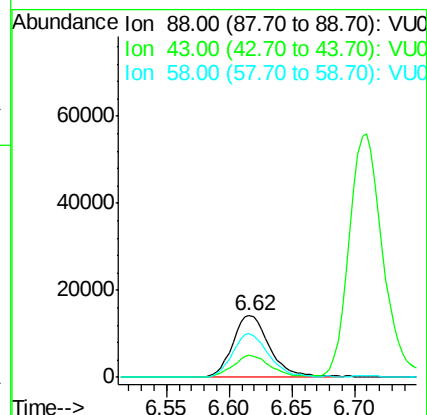
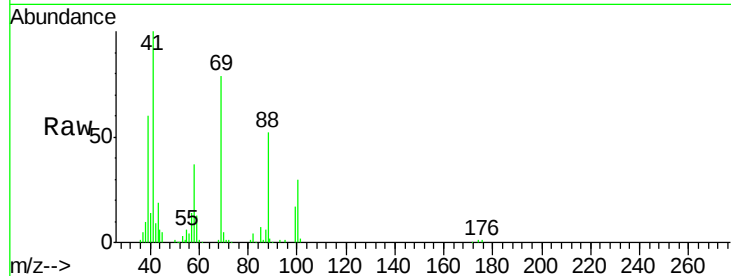




#49
 1,4-Dioxane
 Concen: 512.288 ug/l
 RT: 6.62 min Scan# 1874
 Delta R.T. 0.00 min
 Lab File: VU024930.D
 Acq: 26 Jun 2018 19:31

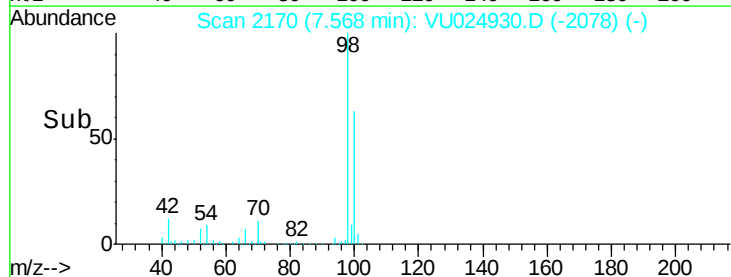
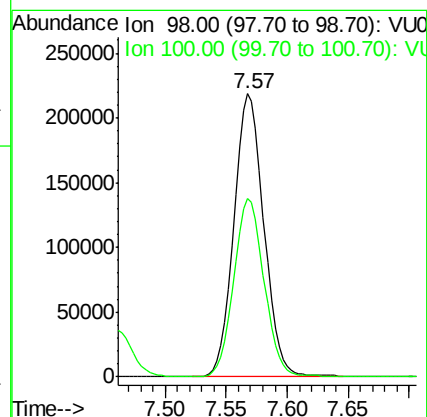
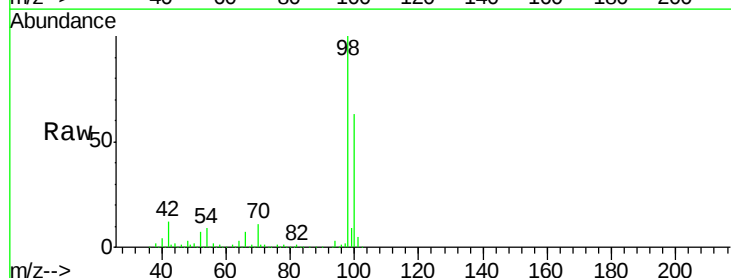
Instrument :
 MSVOA_U
 ClientSampleId :
 VU0627MBS01

Tgt Ion: 88 Resp: 29102
 Ion Ratio Lower Upper
 88 100
 43 36.1 28.6 42.8
 58 68.8 58.2 87.4



#50
 Toluene-d8
 Concen: 46.020 ug/l
 RT: 7.57 min Scan# 2170
 Delta R.T. -0.00 min
 Lab File: VU024930.D
 Acq: 26 Jun 2018 19:31

Tgt Ion: 98 Resp: 375397
 Ion Ratio Lower Upper
 98 100
 100 63.5 51.1 76.7





#51

4-Methyl-2-Pentanone

Concen: 109.397 ug/l

RT: 7.46 min Scan# 2137

Delta R.T. 0.00 min

Lab File: VU024930.D

Acq: 26 Jun 2018 19:31

Instrument :

MSVOA_U

ClientSampleId :

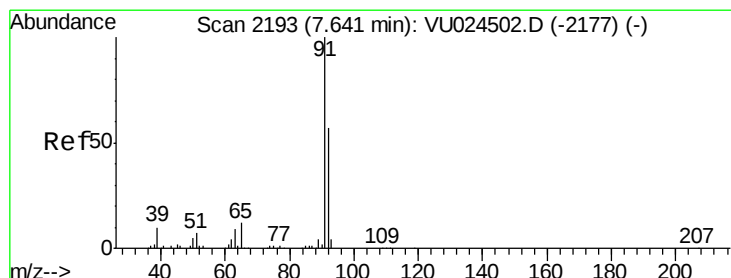
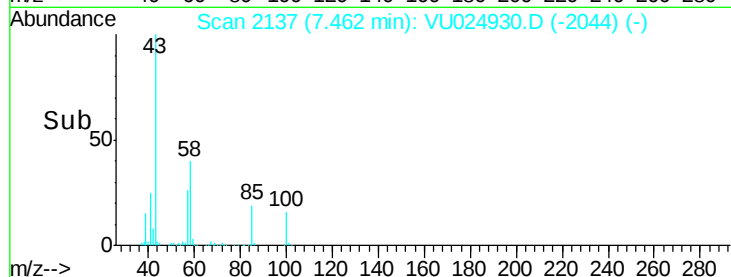
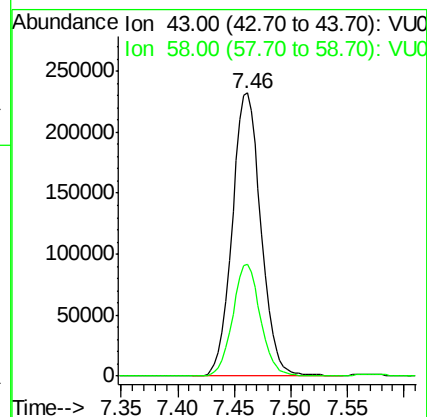
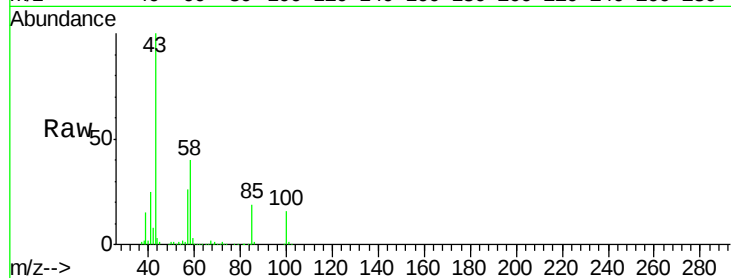
VU0627MBS01

Tgt Ion: 43 Resp: 410001

Ion Ratio Lower Upper

43 100

58 38.2 30.0 45.0



#52

Toluene

Concen: 21.295 ug/l

RT: 7.64 min Scan# 2193

Delta R.T. 0.00 min

Lab File: VU024930.D

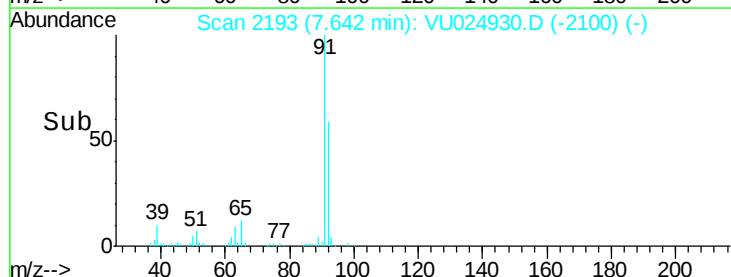
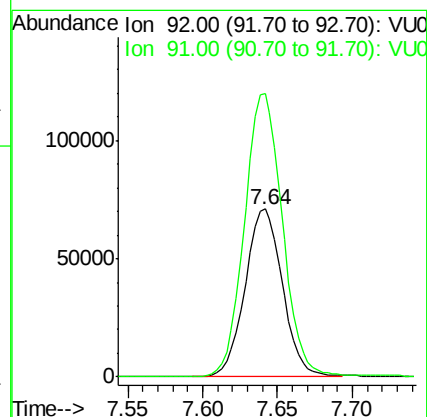
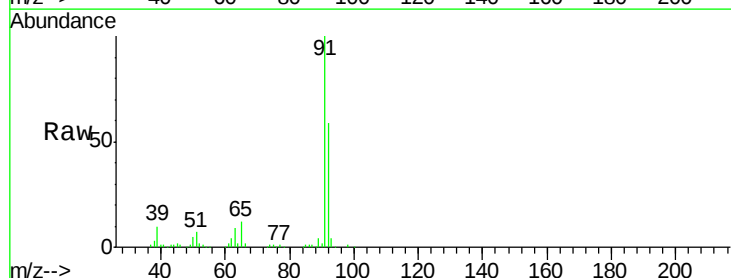
Acq: 26 Jun 2018 19:31

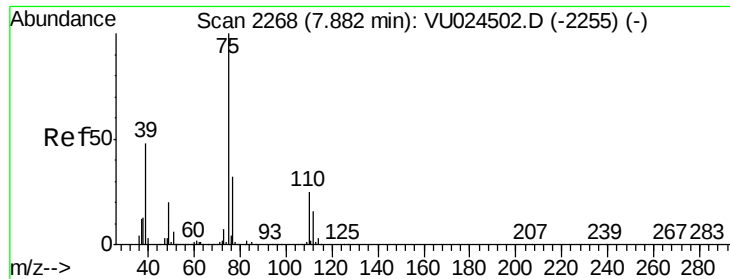
Tgt Ion: 92 Resp: 123615

Ion Ratio Lower Upper

92 100

91 172.6 140.5 210.7





#53

t-1,3-Dichloropropene

Concen: 20.229 ug/l

RT: 7.88 min Scan# 2268

Delta R.T. 0.00 min

Lab File: VU024930.D

Acq: 26 Jun 2018 19:31

Instrument :

MSVOA_U

ClientSampleId :

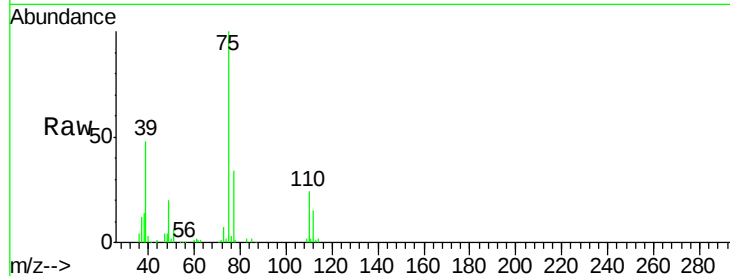
VU0627MBS01

Tgt Ion: 75 Resp: 76495

Ion Ratio Lower Upper

75 100

77 33.6 24.8 37.2



Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 76.90 (76.60 to 77.60): VU0

7.88

50000

40000

30000

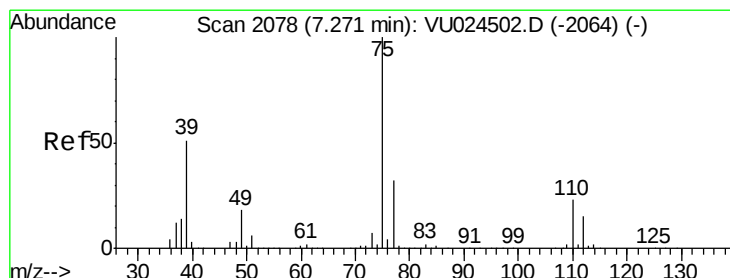
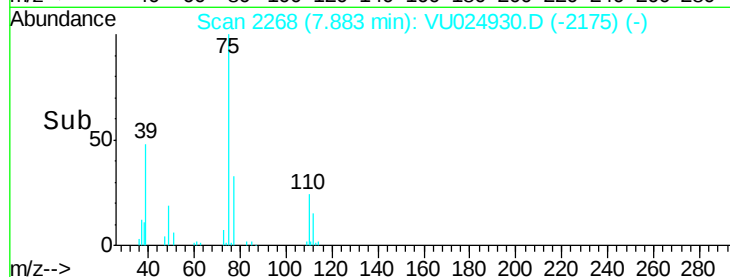
20000

10000

0

7.80 7.85 7.90 7.95 8.00

Time-->



#54

cis-1,3-Dichloropropene

Concen: 19.813 ug/l

RT: 7.27 min Scan# 2078

Delta R.T. 0.00 min

Lab File: VU024930.D

Acq: 26 Jun 2018 19:31

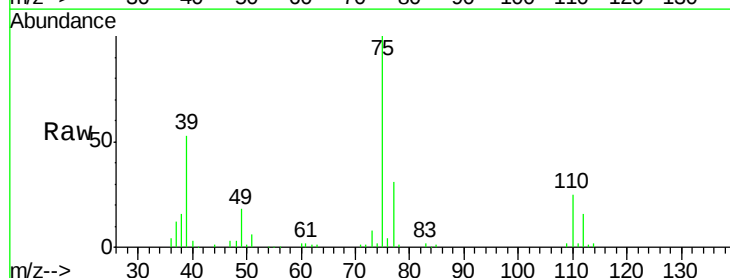
Tgt Ion: 75 Resp: 79834

Ion Ratio Lower Upper

75 100

77 31.2 24.6 36.8

39 53.2 39.8 59.6



Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 76.90 (76.60 to 77.60): VU0

Ion 39.00 (38.70 to 39.70): VU0

7.27

60000

50000

40000

30000

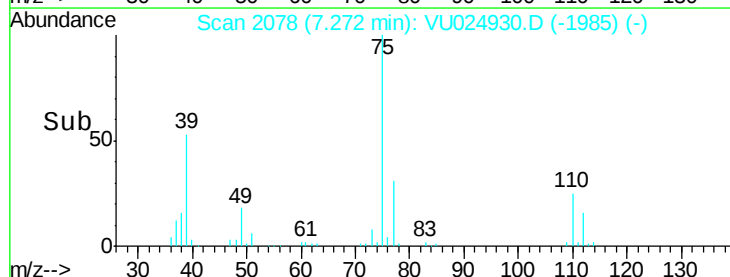
20000

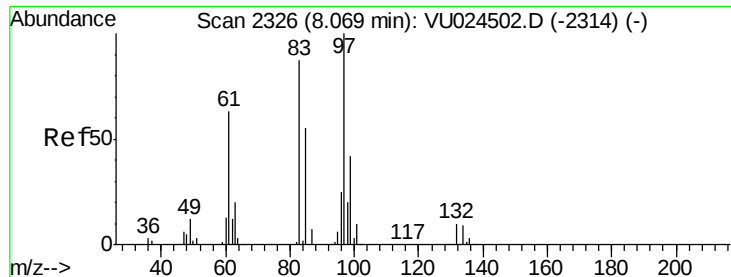
10000

0

7.20 7.25 7.30 7.35

Time-->

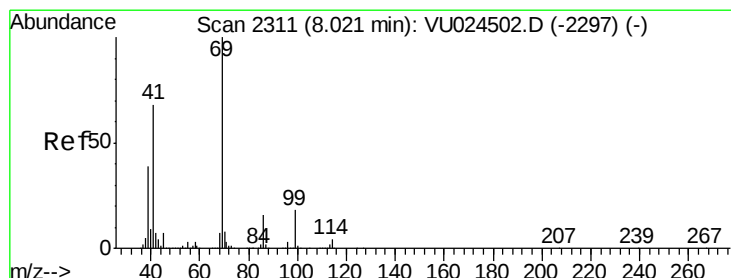
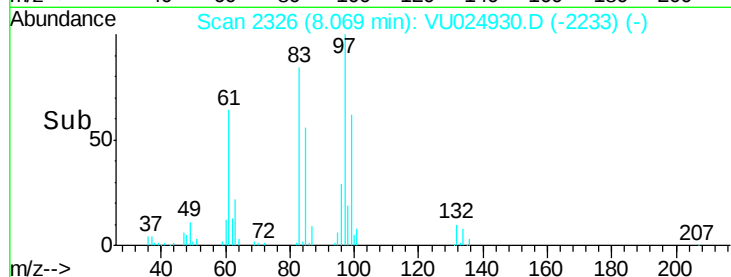
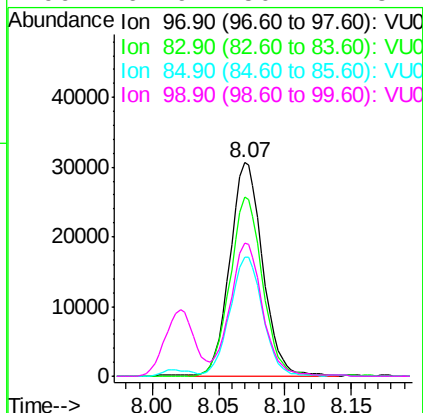
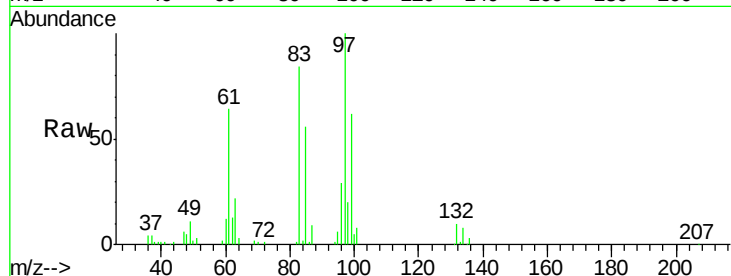




#55
 1,1,2-Trichloroethane
 Concen: 22.384 ug/l
 RT: 8.07 min Scan# 2326
 Delta R.T. 0.00 min
 Lab File: VU024930.D
 Acq: 26 Jun 2018 19:31

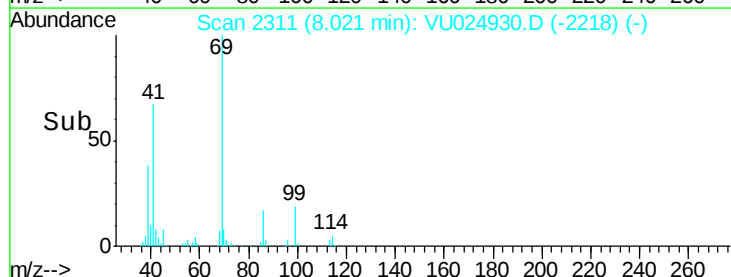
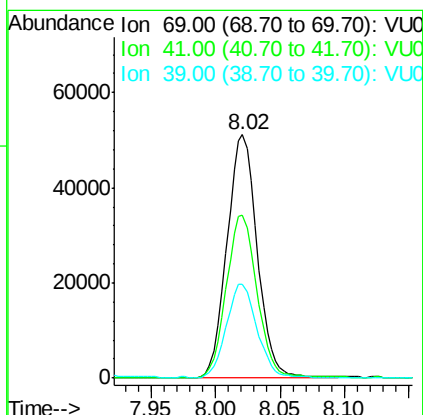
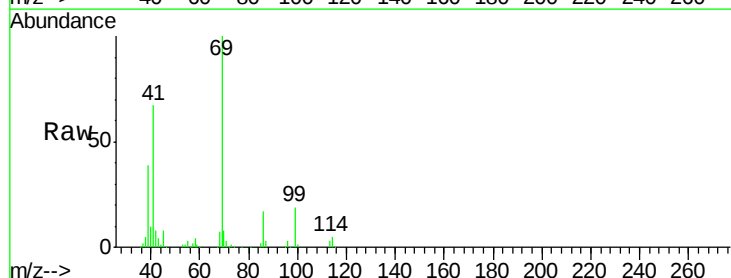
Instrument :
 MSVOA_U
 ClientSampleId :
 VU0627MBS01

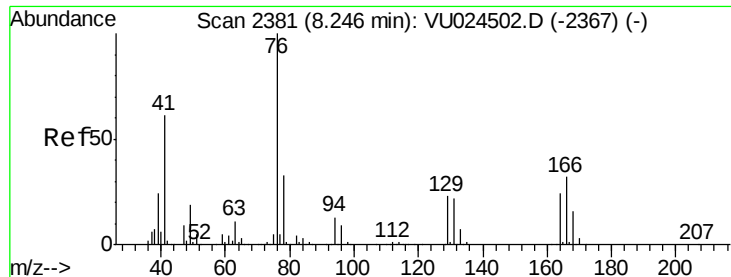
Tgt Ion:	97	Resp:	52818
Ion	Ratio	Lower	Upper
97	100		
83	83.8	70.5	105.7
85	55.0	46.4	69.6
99	61.9	50.2	75.2



#56
 Ethyl methacrylate
 Concen: 21.189 ug/l
 RT: 8.02 min Scan# 2311
 Delta R.T. 0.00 min
 Lab File: VU024930.D
 Acq: 26 Jun 2018 19:31

Tgt Ion:	69	Resp:	83684
Ion	Ratio	Lower	Upper
69	100		
41	68.1	54.1	81.1
39	38.4	30.3	45.5

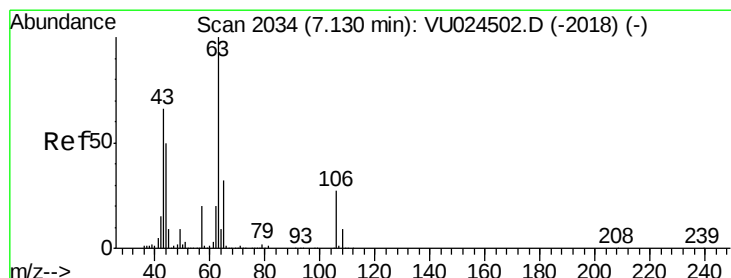
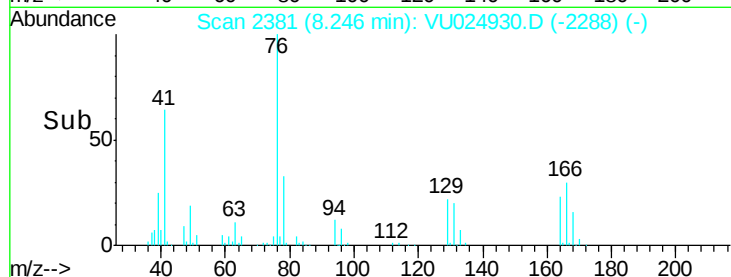
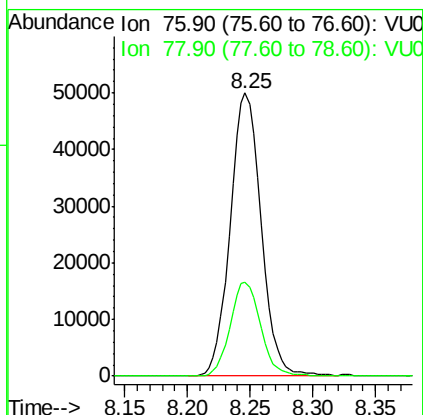
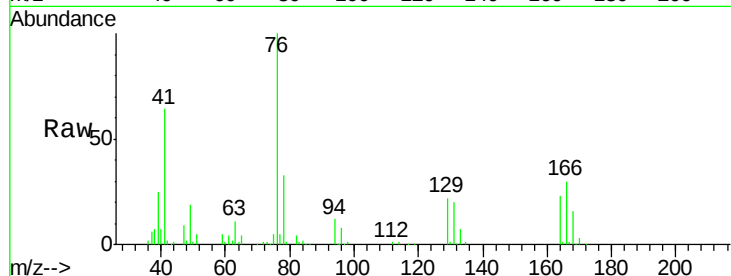




#57
 1,3-Dichloropropane
 Concen: 21.552 ug/l
 RT: 8.25 min Scan# 2381
 Delta R.T. 0.00 min
 Lab File: VU024930.D
 Acq: 26 Jun 2018 19:31

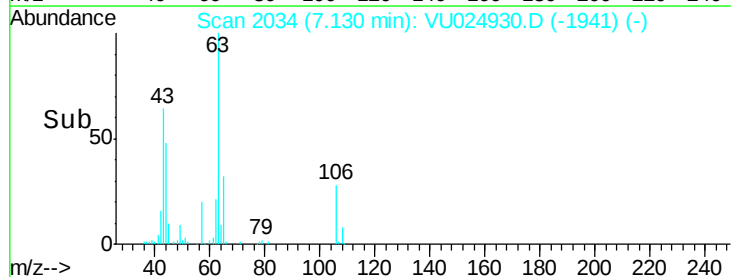
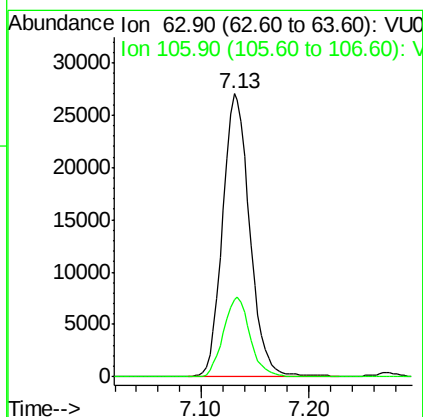
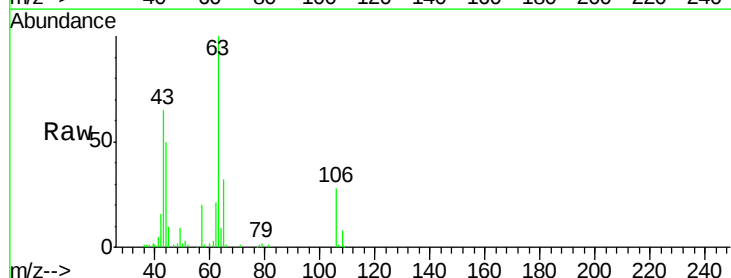
Instrument :
 MSVOA_U
 ClientSampleId :
 VU0627MBS01

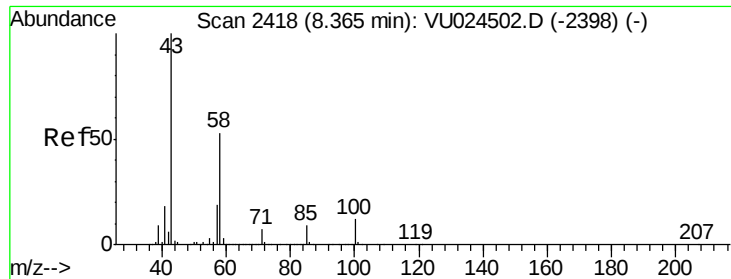
Tgt Ion: 76 Resp: 85788
 Ion Ratio Lower Upper
 76 100
 78 32.4 25.2 37.8



#58
 2-Chloroethyl Vinyl ether
 Concen: 31.311 ug/l
 RT: 7.13 min Scan# 2034
 Delta R.T. 0.00 min
 Lab File: VU024930.D
 Acq: 26 Jun 2018 19:31

Tgt Ion: 63 Resp: 47374
 Ion Ratio Lower Upper
 63 100
 106 27.5 20.2 30.2

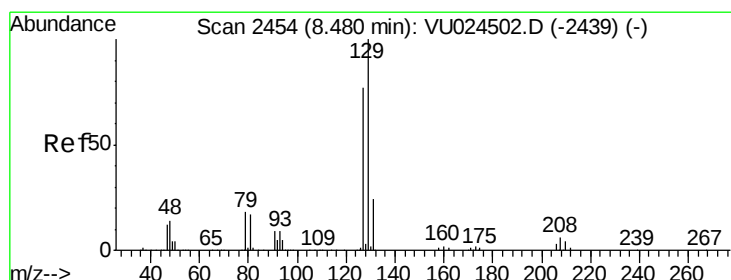
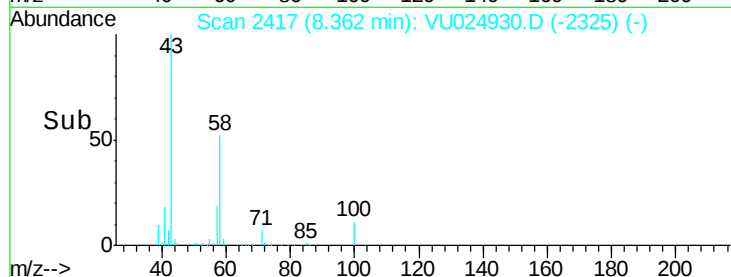
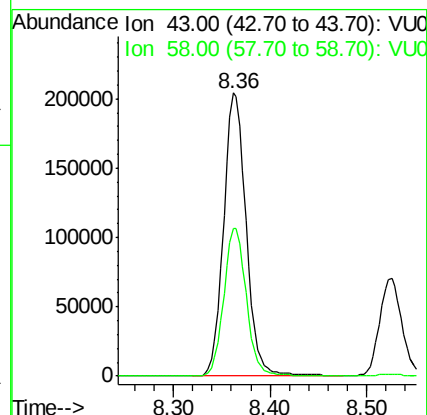
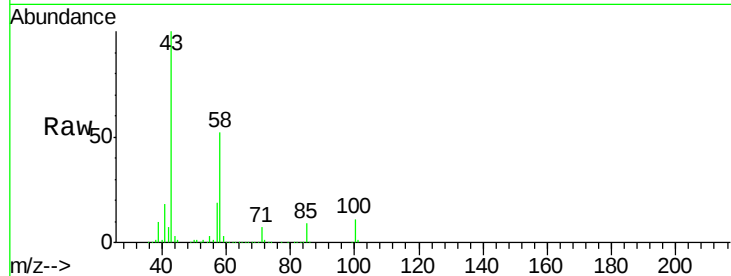




#59
2-Hexanone
Concen: 108.301 ug/l
RT: 8.36 min Scan# 2417
Delta R.T. -0.00 min
Lab File: VU024930.D
Acq: 26 Jun 2018 19:31

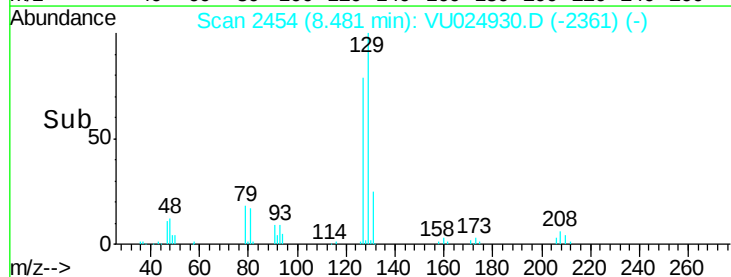
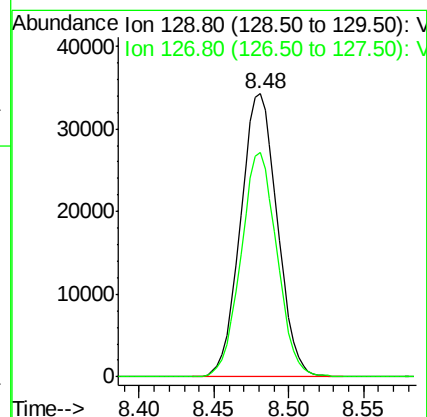
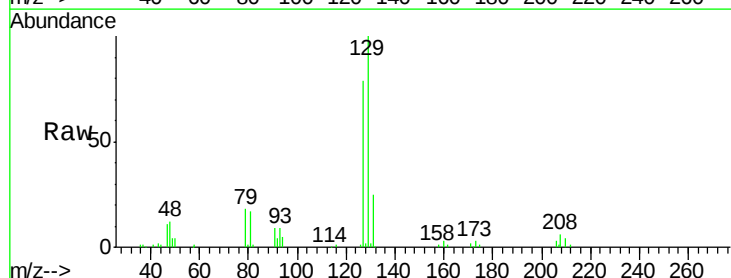
Instrument :
MSVOA_U
ClientSampleId :
VU0627MBS01

Tgt Ion: 43 Resp: 331373
Ion Ratio Lower Upper
43 100
58 51.9 26.4 79.0



#60
Dibromochloromethane
Concen: 19.918 ug/l
RT: 8.48 min Scan# 2454
Delta R.T. 0.00 min
Lab File: VU024930.D
Acq: 26 Jun 2018 19:31

Tgt Ion: 129 Resp: 58608
Ion Ratio Lower Upper
129 100
127 77.8 38.6 116.0

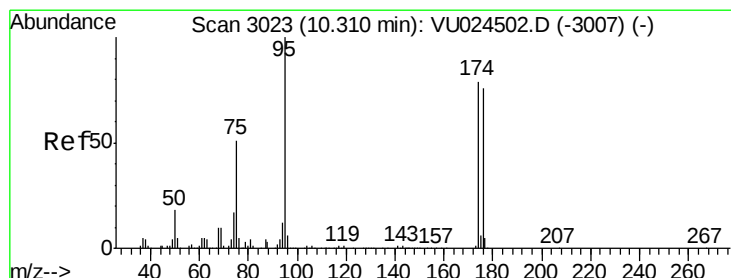
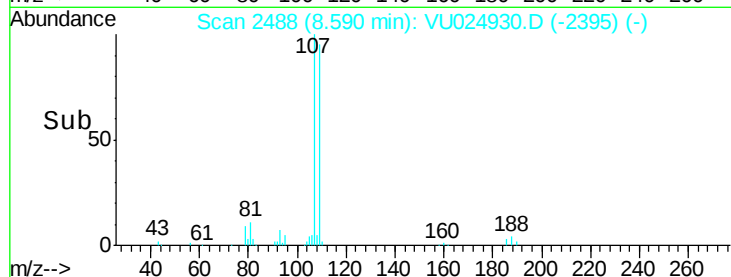
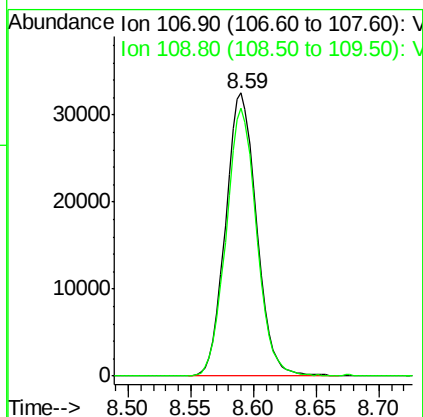
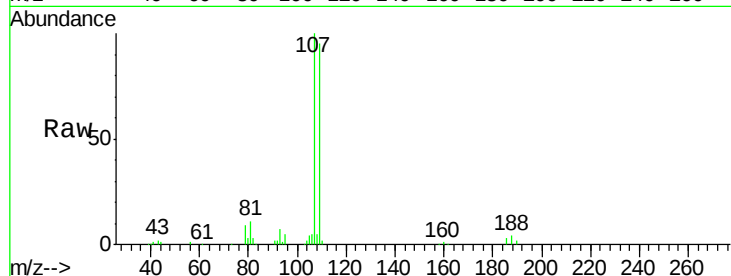




#61
 1,2-Dibromoethane
 Concen: 21.225 ug/l
 RT: 8.59 min Scan# 2488
 Delta R.T. 0.00 min
 Lab File: VU024930.D
 Acq: 26 Jun 2018 19:31

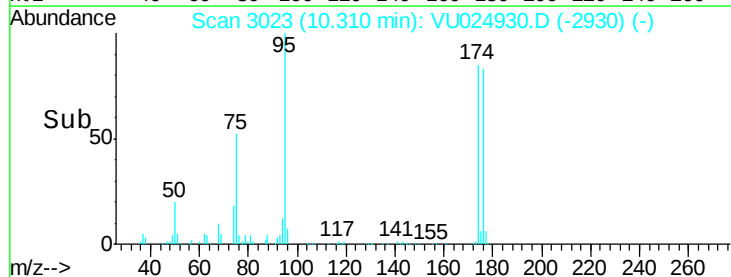
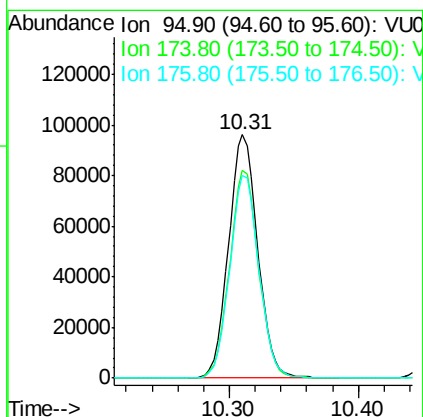
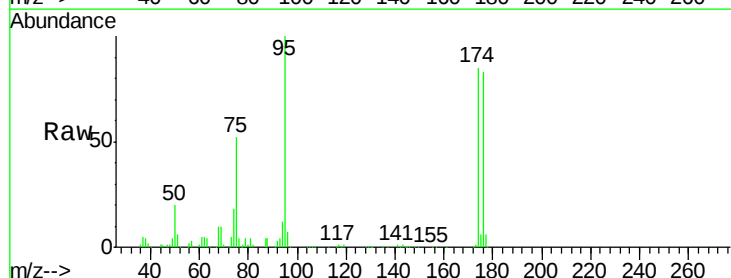
Instrument :
 MSVOA_U
 ClientSampleId :
 VU0627MBS01

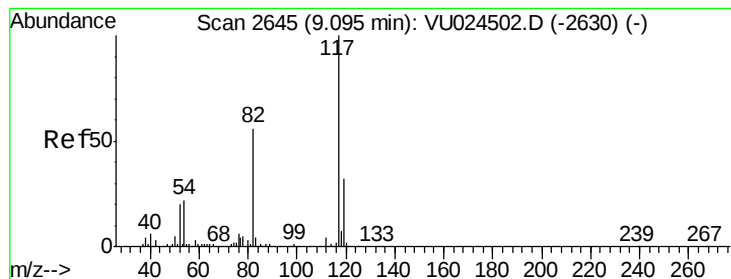
Tgt Ion: 107 Resp: 55744
 Ion Ratio Lower Upper
 107 100
 109 93.2 74.5 111.7



#62
 4-Bromofluorobenzene
 Concen: 46.535 ug/l
 RT: 10.31 min Scan# 3023
 Delta R.T. 0.00 min
 Lab File: VU024930.D
 Acq: 26 Jun 2018 19:31

Tgt Ion: 95 Resp: 150717
 Ion Ratio Lower Upper
 95 100
 174 85.1 0.0 165.8
 176 83.3 0.0 159.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 9.09 min Scan# 2644

Delta R.T. -0.00 min

Lab File: VU024930.D

Acq: 26 Jun 2018 19:31

Instrument :

MSVOA_U

ClientSampleId :

VU0627MBS01

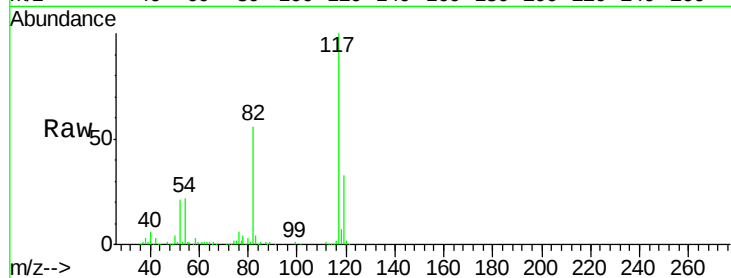
Tgt Ion:117 Resp: 249832

Ion Ratio Lower Upper

117 100

82 56.2 44.3 66.5

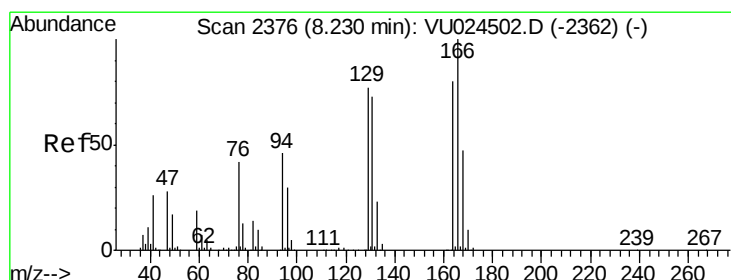
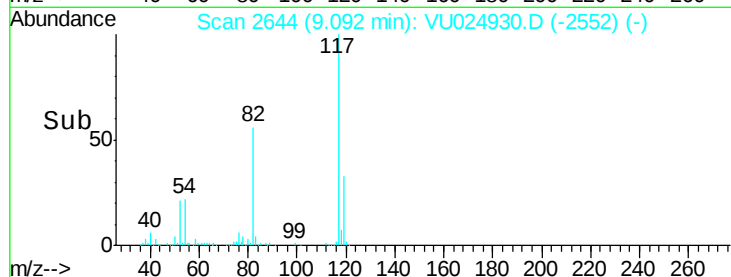
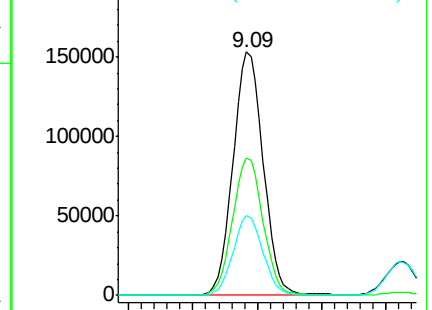
119 32.8 25.4 38.2



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: 19.984 ug/l

RT: 8.23 min Scan# 2376

Delta R.T. 0.00 min

Lab File: VU024930.D

Acq: 26 Jun 2018 19:31

Tgt Ion:164 Resp: 47458

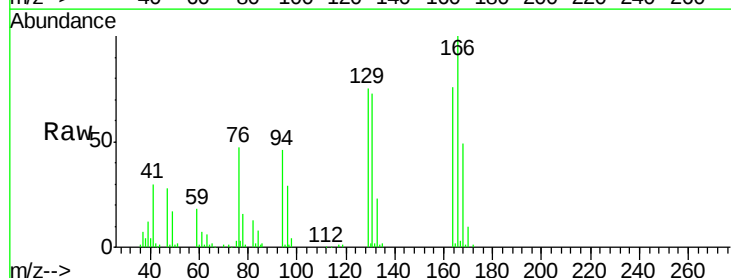
Ion Ratio Lower Upper

164 100

166 132.3 101.7 152.5

129 98.9 76.9 115.3

131 97.0 74.9 112.3

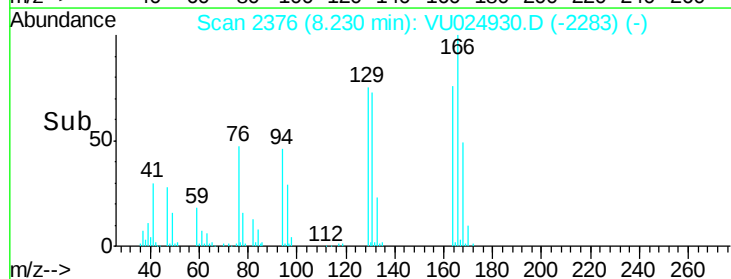
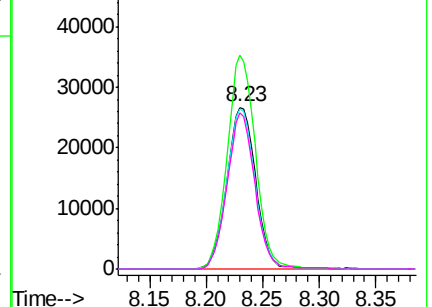


Abundance Ion 163.80 (163.50 to 164.50): V

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: 22.172 ug/l

RT: 9.12 min Scan# 2654

Delta R.T. 0.00 min

Lab File: VU024930.D

Acq: 26 Jun 2018 19:31

Instrument :

MSVOA_U

ClientSampleId :

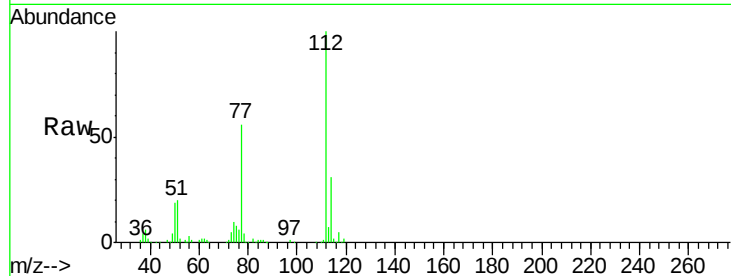
VU0627MBS01

Tgt Ion:112 Resp: 141509

Ion Ratio Lower Upper

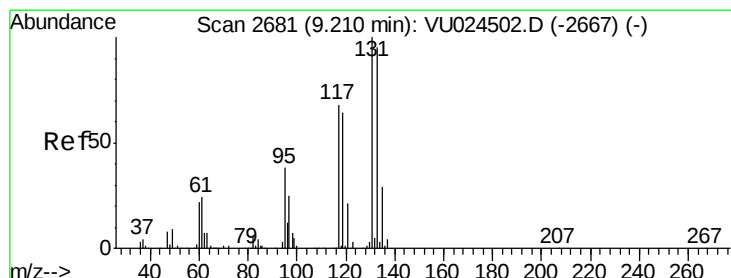
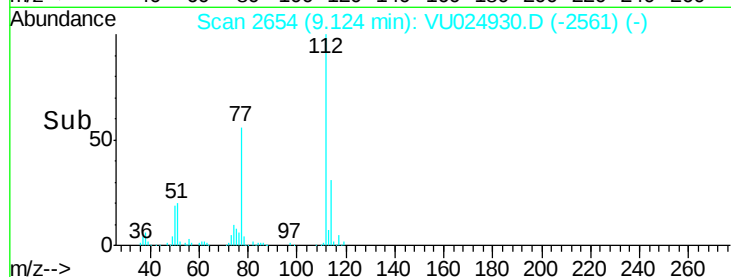
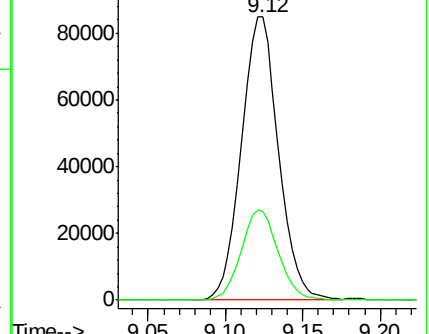
112 100

114 31.2 25.6 38.4



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 21.405 ug/l

RT: 9.21 min Scan# 2681

Delta R.T. 0.00 min

Lab File: VU024930.D

Acq: 26 Jun 2018 19:31

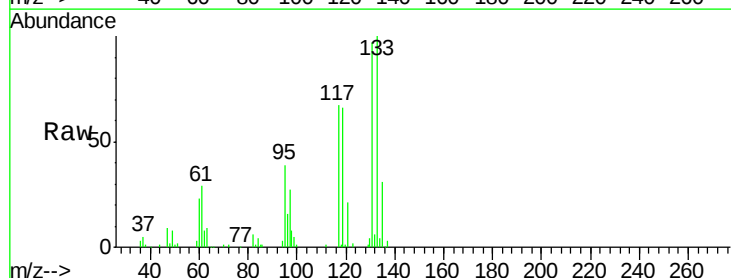
Tgt Ion:131 Resp: 51902

Ion Ratio Lower Upper

131 100

133 101.7 46.9 140.8

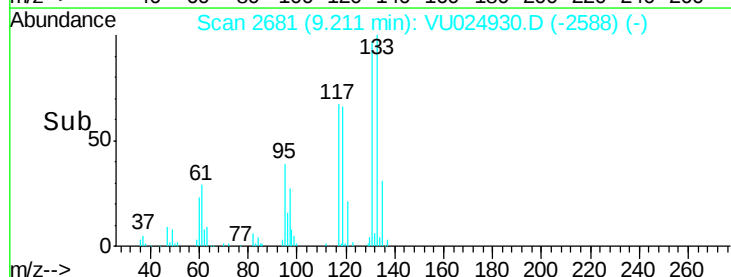
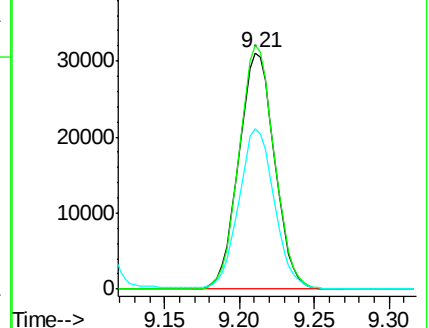
119 67.8 33.5 100.4

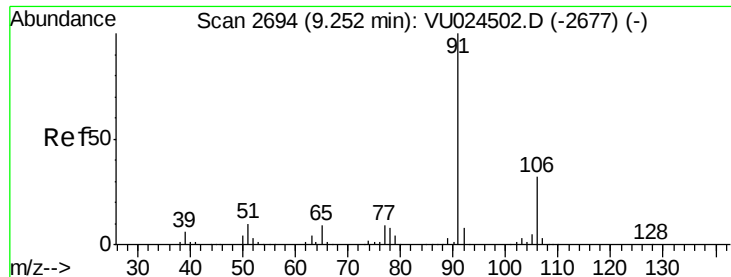


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





#67

Ethyl Benzene

Concen: 21.587 ug/l

RT: 9.25 min Scan# 2694

Delta R.T. 0.00 min

Lab File: VU024930.D

Acq: 26 Jun 2018 19:31

Instrument :

MSVOA_U

ClientSampleId :

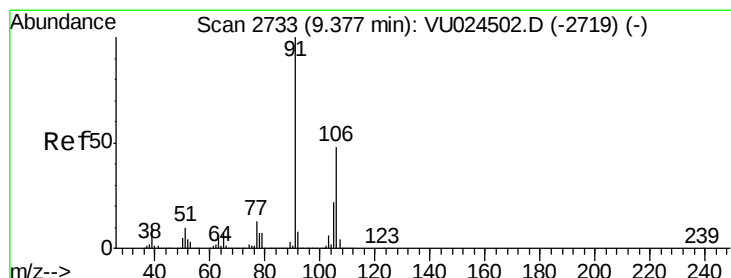
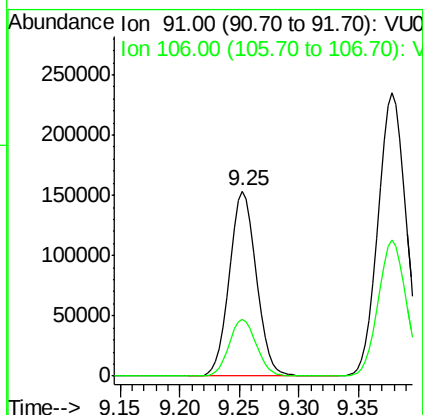
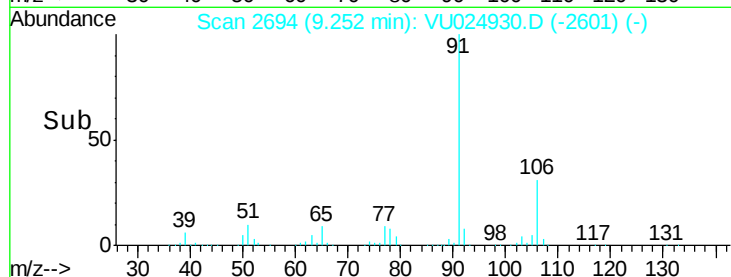
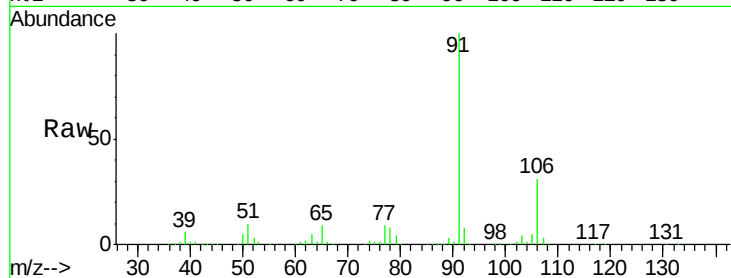
VU0627MBS01

Tgt Ion: 91 Resp: 241530

Ion Ratio Lower Upper

91 100

106 30.5 24.2 36.4



#68

m/p-Xylenes

Concen: 43.221 ug/l

RT: 9.38 min Scan# 2733

Delta R.T. 0.00 min

Lab File: VU024930.D

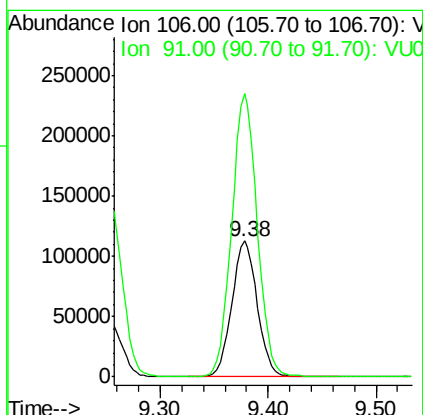
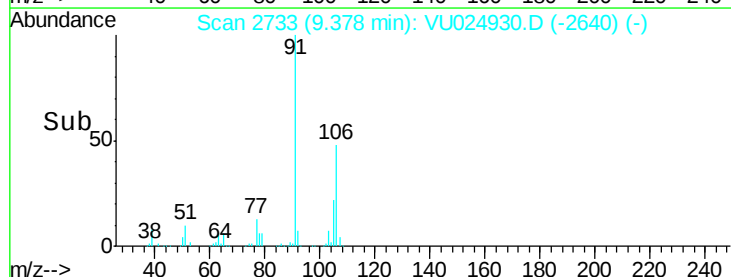
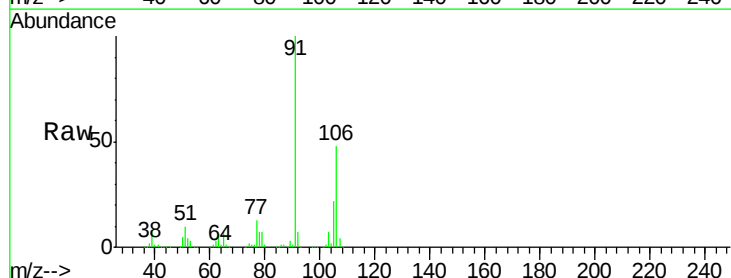
Acq: 26 Jun 2018 19:31

Tgt Ion: 106 Resp: 185697

Ion Ratio Lower Upper

106 100

91 208.5 166.5 249.7

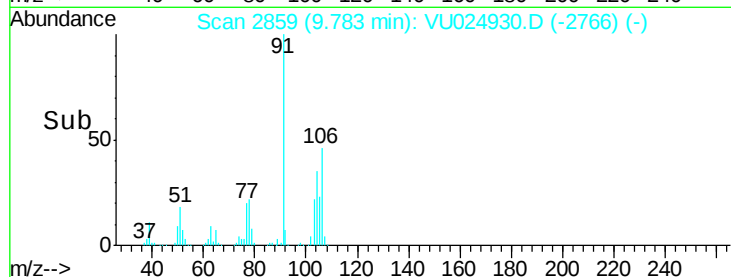
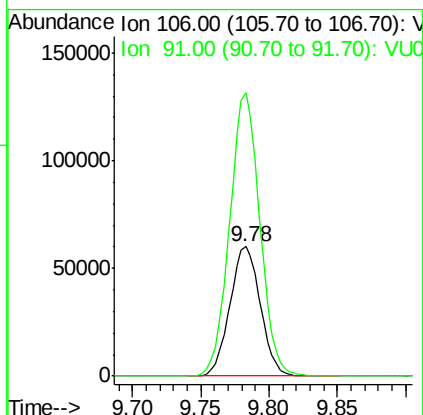
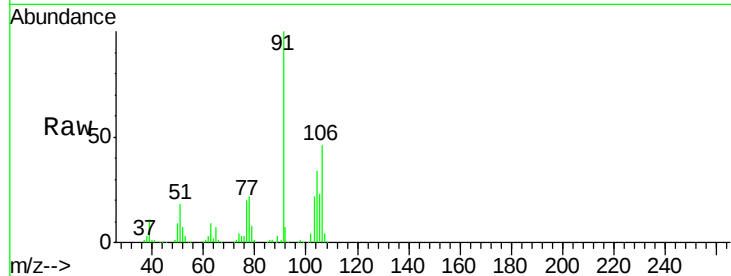




#69
o-Xylene
Concen: 21.962 ug/l
RT: 9.78 min Scan# 2859
Delta R.T. 0.00 min
Lab File: VU024930.D
Acq: 26 Jun 2018 19:31

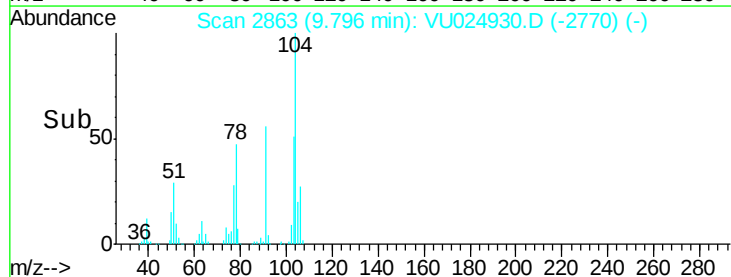
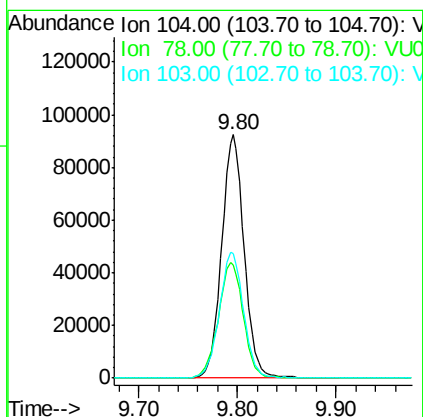
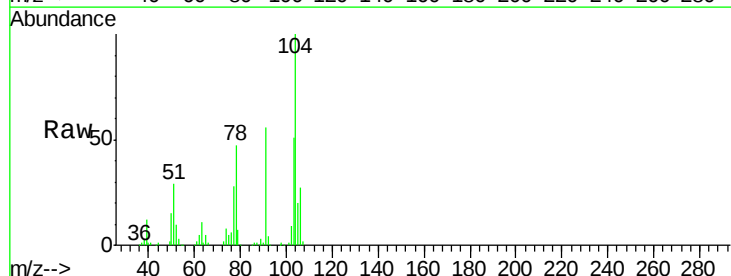
Instrument :
MSVOA_U
ClientSampleId :
VU0627MBS01

Tgt Ion:106 Resp: 93382
Ion Ratio Lower Upper
106 100
91 216.7 110.7 331.9



#70
Styrene
Concen: 21.244 ug/l
RT: 9.80 min Scan# 2863
Delta R.T. 0.00 min
Lab File: VU024930.D
Acq: 26 Jun 2018 19:31

Tgt Ion:104 Resp: 148440
Ion Ratio Lower Upper
104 100
78 52.4 40.6 60.8
103 55.3 44.7 67.1





#71

Bromoform

Concen: 19.550 ug/l

RT: 9.96 min Scan# 2914

Delta R.T. 0.00 min

Lab File: VU024930.D

Acq: 26 Jun 2018 19:31

Instrument :

MSVOA_U

ClientSampleId :

VU0627MBS01

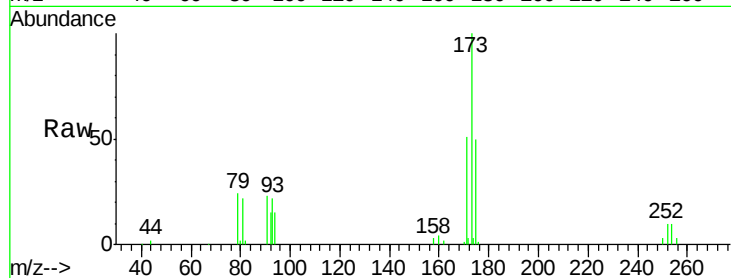
Tgt Ion:173 Resp: 45058

Ion Ratio Lower Upper

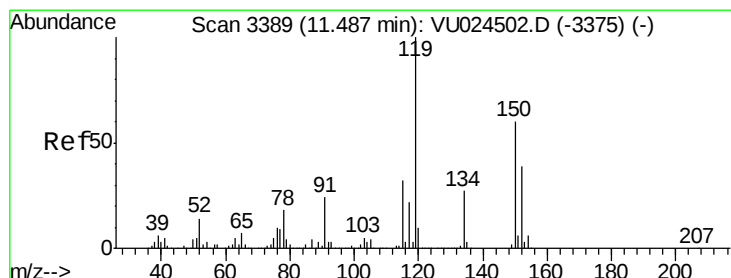
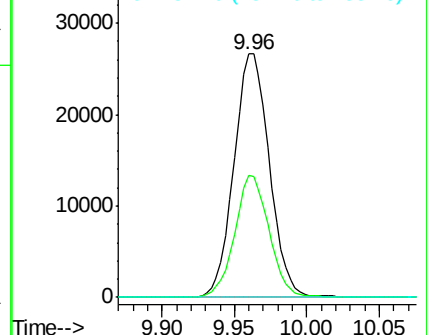
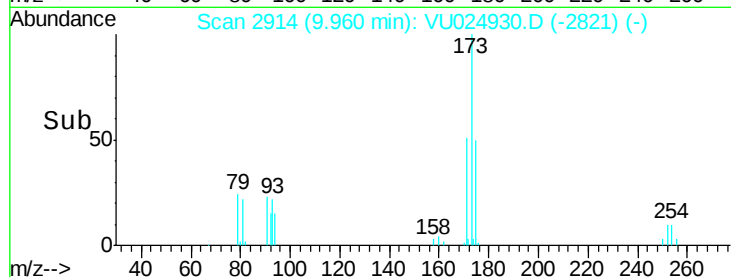
173 100

175 48.5 24.6 74.0

254 0.0 0.0 0.0



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 11.49 min Scan# 3389

Delta R.T. 0.00 min

Lab File: VU024930.D

Acq: 26 Jun 2018 19:31

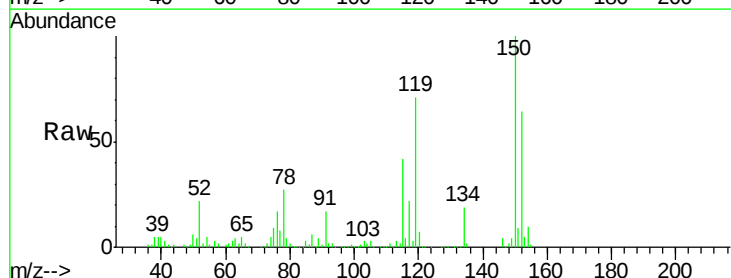
Tgt Ion:152 Resp: 146733

Ion Ratio Lower Upper

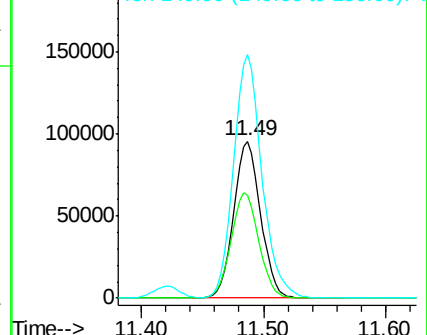
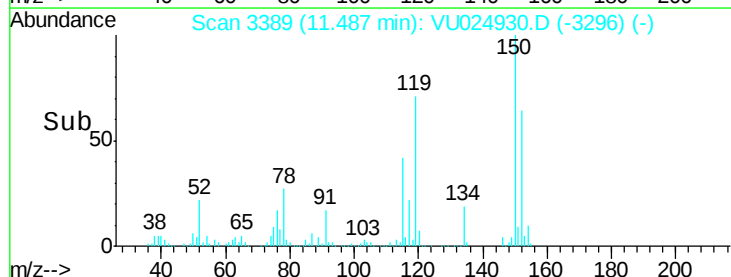
152 100

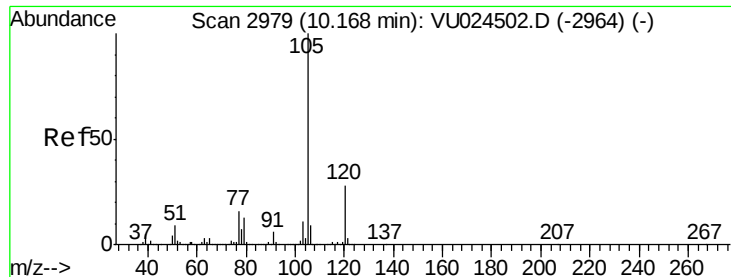
115 69.6 43.0 129.0

150 164.3 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: 22.646 ug/l

RT: 10.17 min Scan# 2979

Delta R.T. 0.00 min

Lab File: VU024930.D

Acq: 26 Jun 2018 19:31

Instrument :

MSVOA_U

ClientSampleId :

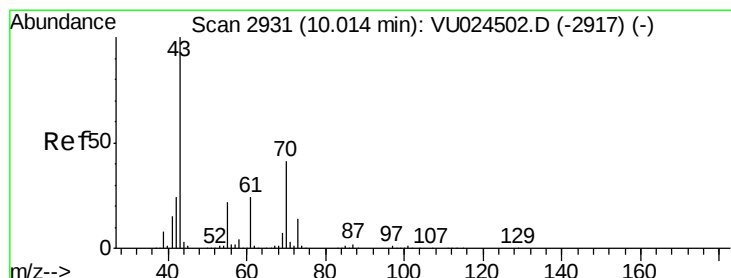
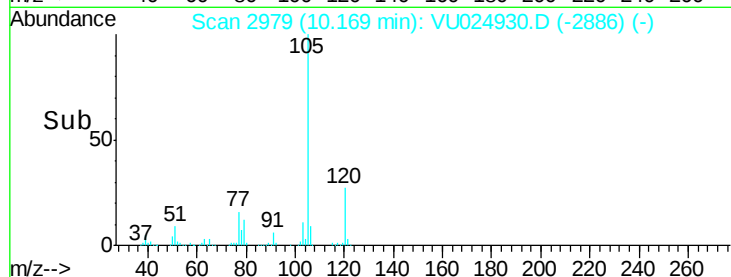
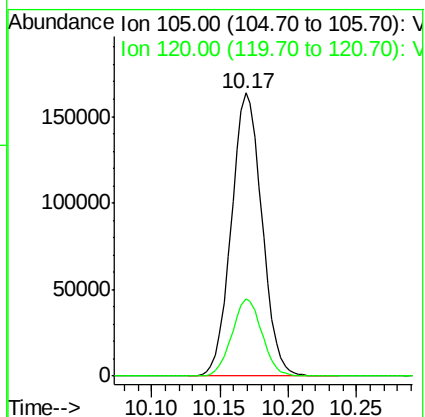
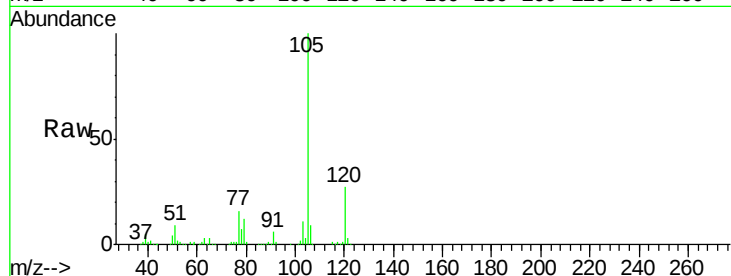
VU0627MBS01

Tgt Ion: 105 Resp: 255115

Ion Ratio Lower Upper

105 100

120 26.8 13.2 39.6



#74

N-ethyl acetate

Concen: 20.143 ug/l

RT: 10.01 min Scan# 2931

Delta R.T. 0.00 min

Lab File: VU024930.D

Acq: 26 Jun 2018 19:31

Tgt Ion: 43 Resp: 107936

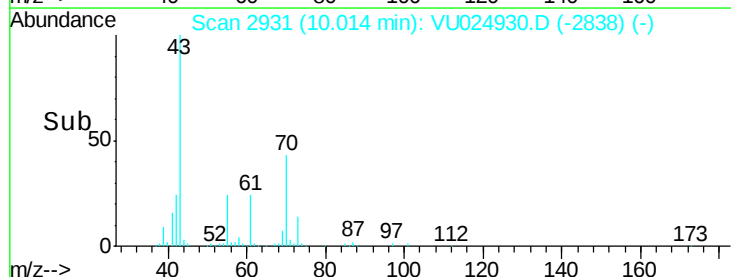
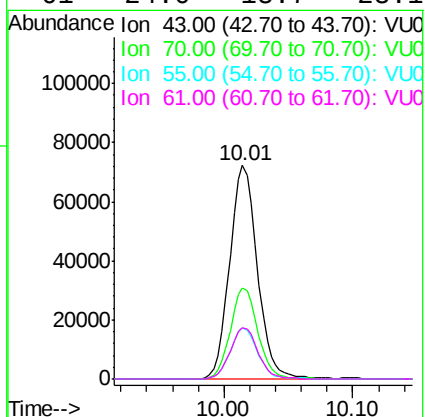
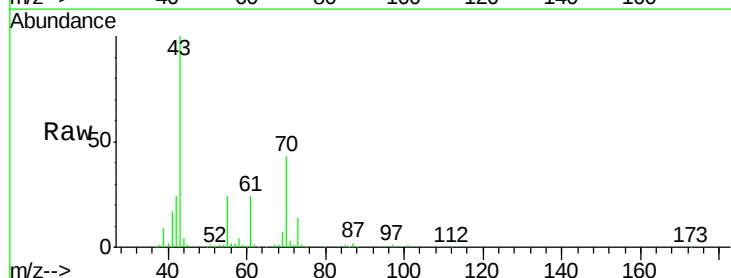
Ion Ratio Lower Upper

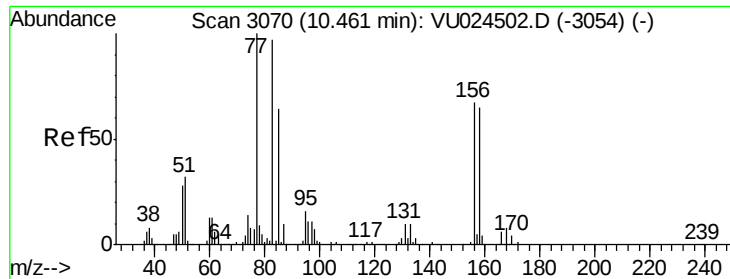
43 100

70 42.4 32.2 48.4

55 23.8 20.5 30.7

61 24.0 18.7 28.1





#75

1,1,2,2-Tetrachloroethane

Concen: 23.125 ug/l

RT: 10.46 min Scan# 3070

Delta R.T. 0.00 min

Lab File: VU024930.D

Acq: 26 Jun 2018 19:31

Instrument :

MSVOA_U

ClientSampleId :

VU0627MBS01

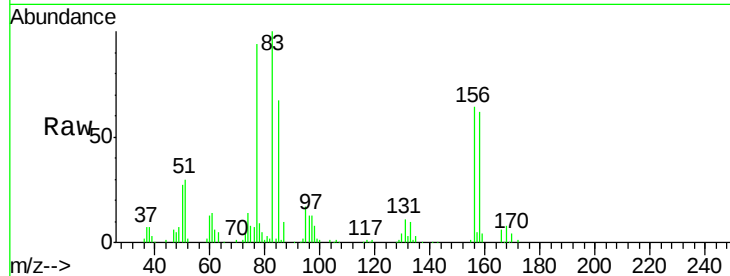
Tgt Ion: 83 Resp: 87299

Ion Ratio Lower Upper

83 100

131 10.9 4.7 14.1

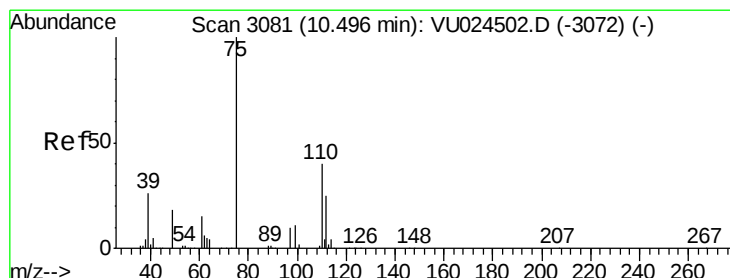
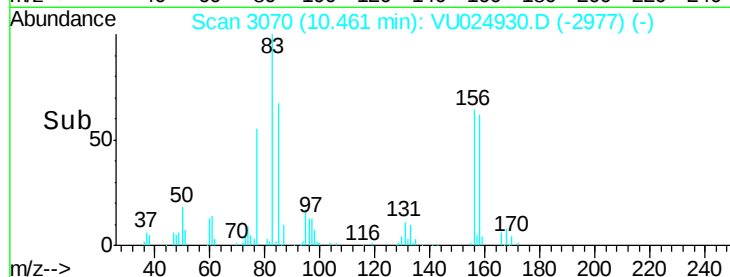
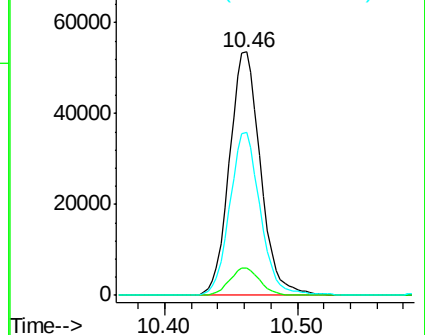
85 66.0 32.5 97.5



Abundance Ion 82.90 (82.60 to 83.60): VU0

Ion 130.80 (130.50 to 131.50): VU0

Ion 84.90 (84.60 to 85.60): VU0



#76

1,2,3-Trichloropropane

Concen: 31.598 ug/l

RT: 10.50 min Scan# 3081

Delta R.T. 0.00 min

Lab File: VU024930.D

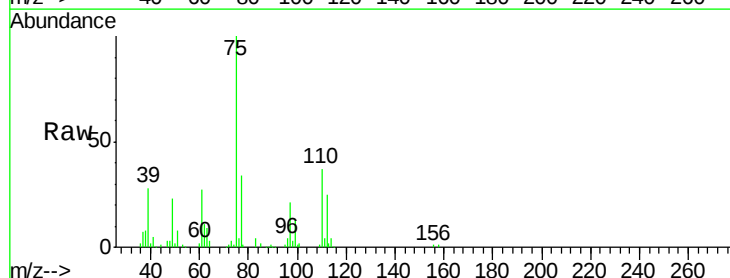
Acq: 26 Jun 2018 19:31

Tgt Ion: 75 Resp: 102077

Ion Ratio Lower Upper

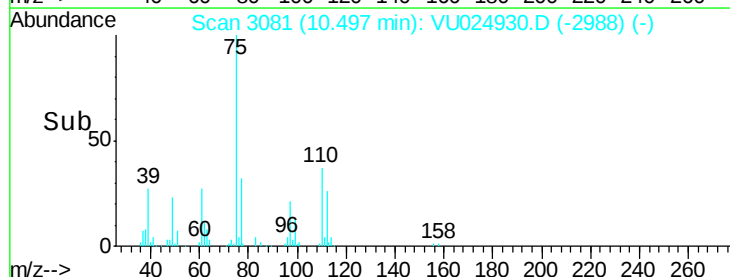
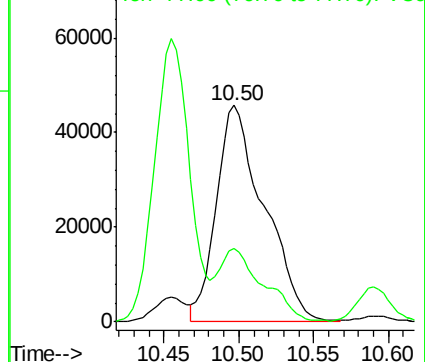
75 100

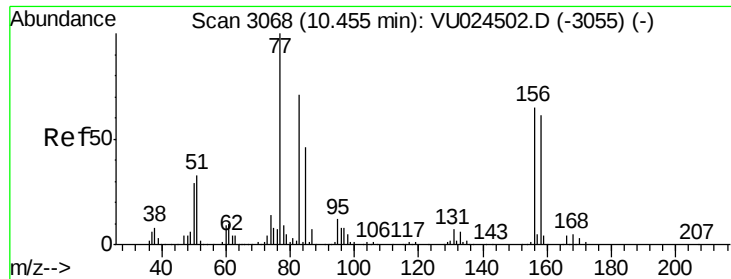
77 31.8 20.9 62.7



Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 77.00 (76.70 to 77.70): VU0





#77

Bromobenzene

Concen: 22.370 ug/l

RT: 10.45 min Scan# 3068

Delta R.T. 0.00 min

Lab File: VU024930.D

Acq: 26 Jun 2018 19:31

Instrument :

MSVOA_U

ClientSampleId :

VU0627MBS01

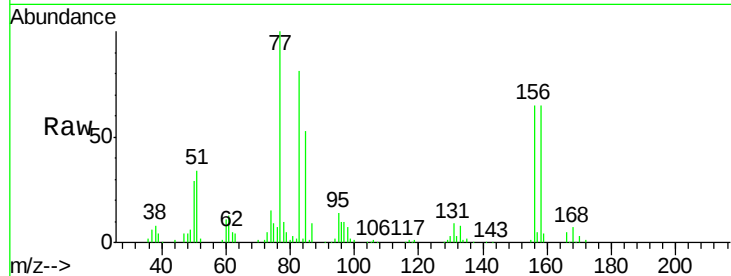
Tgt Ion: 156 Resp: 63799

Ion Ratio Lower Upper

156 100

77 152.9 80.5 241.3

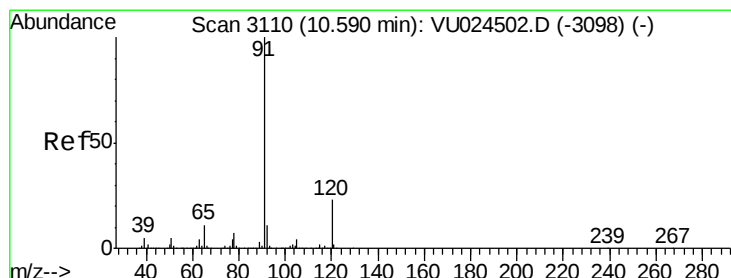
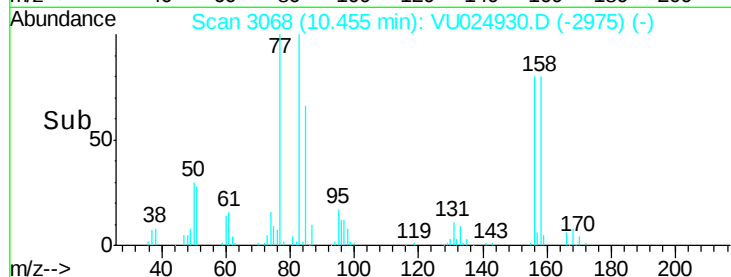
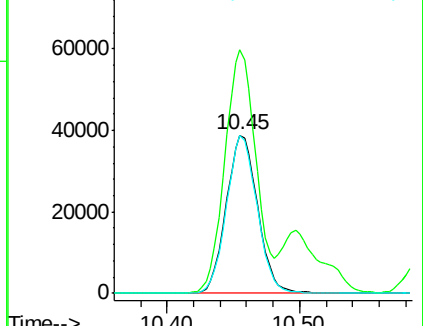
158 97.0 48.2 144.6



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: 21.150 ug/l

RT: 10.59 min Scan# 3110

Delta R.T. 0.00 min

Lab File: VU024930.D

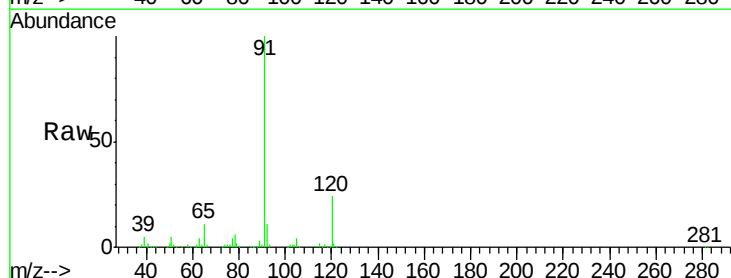
Acq: 26 Jun 2018 19:31

Tgt Ion: 91 Resp: 280678

Ion Ratio Lower Upper

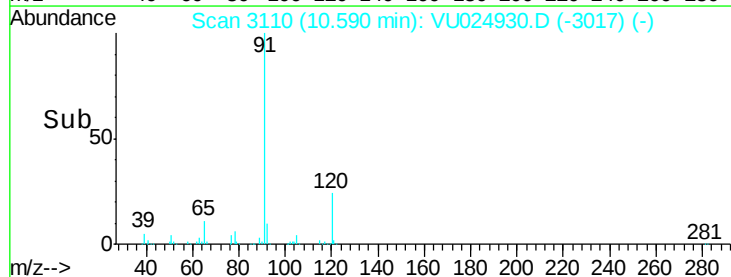
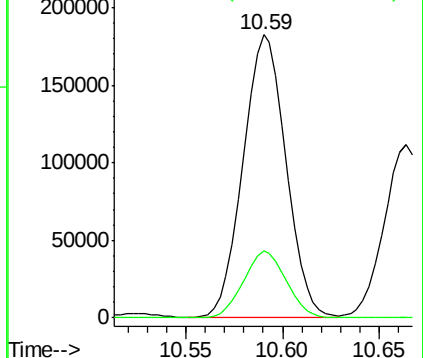
91 100

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: 22.134 ug/l

RT: 10.66 min Scan# 3133

Delta R.T. 0.00 min

Lab File: VU024930.D

Acq: 26 Jun 2018 19:31

Instrument :

MSVOA_U

ClientSampleId :

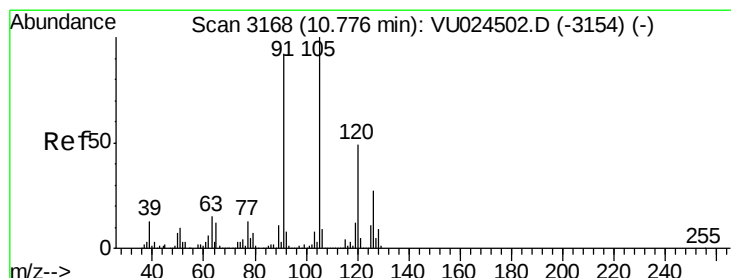
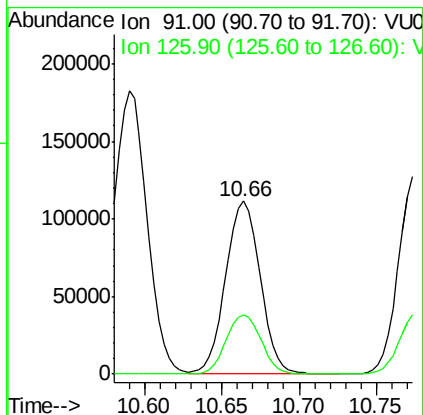
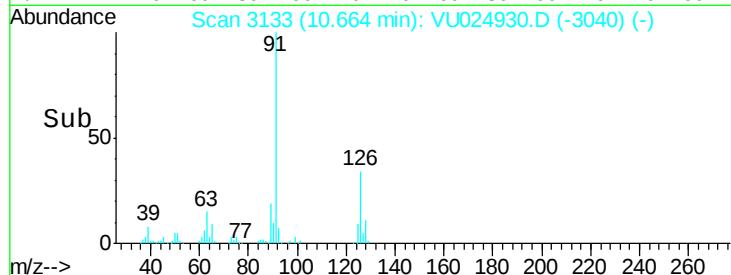
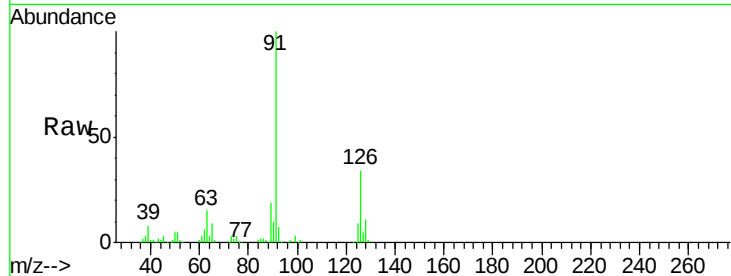
VU0627MBS01

Tgt Ion: 91 Resp: 173217

Ion Ratio Lower Upper

91 100

126 34.9 16.9 50.7



#80

1,3,5-Trimethylbenzene

Concen: 22.180 ug/l

RT: 10.77 min Scan# 3167

Delta R.T. -0.00 min

Lab File: VU024930.D

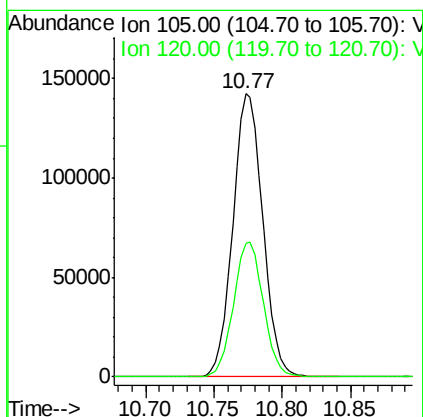
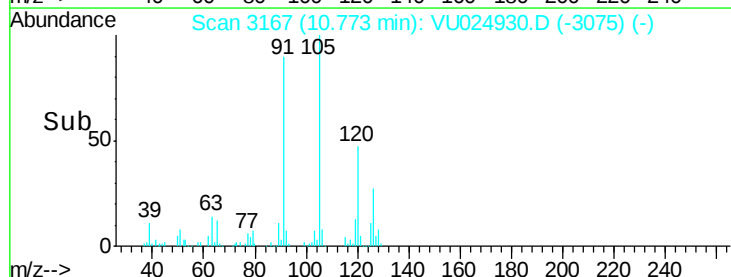
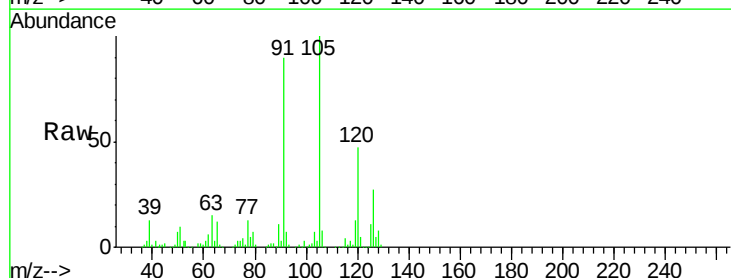
Acq: 26 Jun 2018 19:31

Tgt Ion: 105 Resp: 216577

Ion Ratio Lower Upper

105 100

120 47.4 24.1 72.2





#81

trans-1,4-Dichloro-2-butene

Concen: 73.130 ug/l

RT: 10.50 min Scan# 3081

Delta R.T. -0.02 min

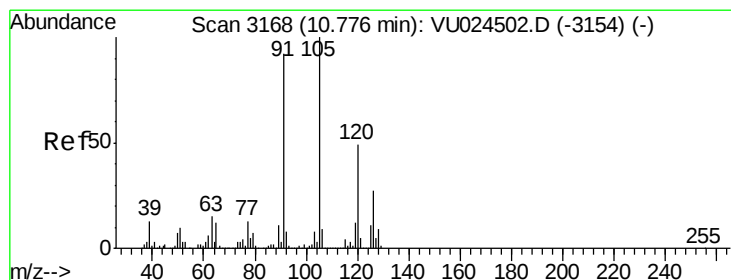
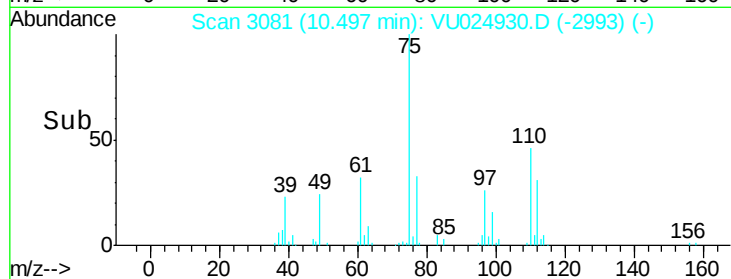
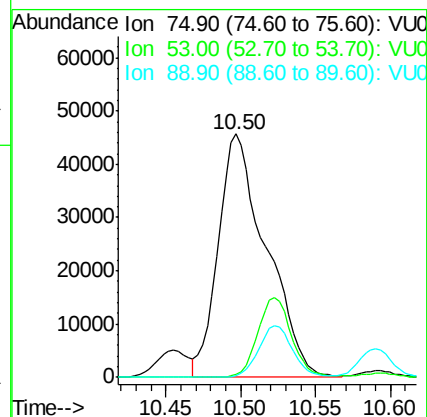
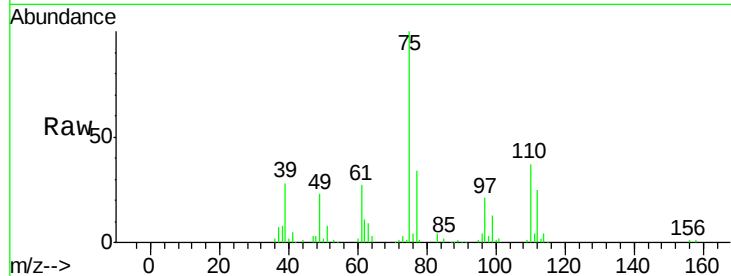
Lab File: VU024930.D

Acq: 26 Jun 2018 19:31

Instrument :
MSVOA_U
ClientSampleId :
VU0627MBS01

Tgt Ion: 75 Resp: 102077

Ion	Ratio	Lower	Upper
75	100		
53	0.0	0.0	0.0
89	0.0	0.0	0.0



#82

4-Chlorotoluene

Concen: 21.703 ug/l

RT: 10.78 min Scan# 3168

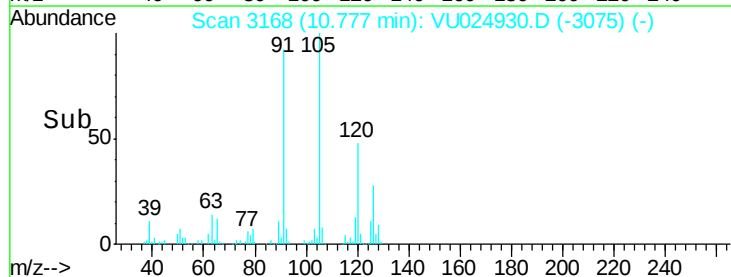
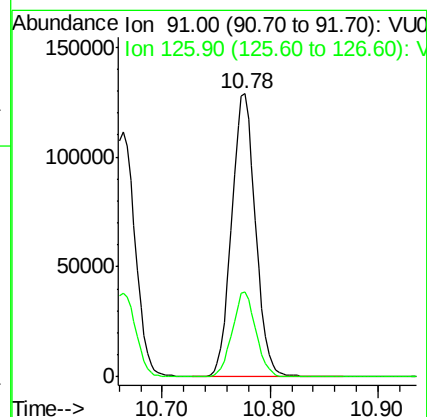
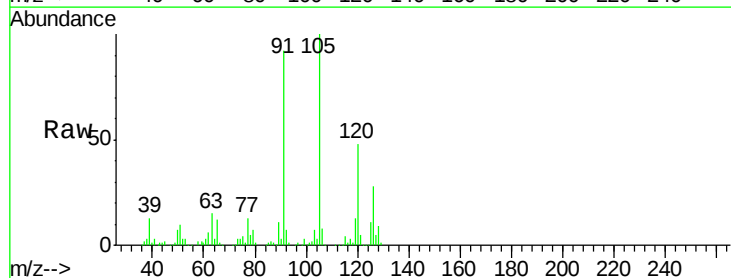
Delta R.T. 0.00 min

Lab File: VU024930.D

Acq: 26 Jun 2018 19:31

Tgt Ion: 91 Resp: 197687

Ion	Ratio	Lower	Upper
91	100		
126	30.0	14.9	44.9

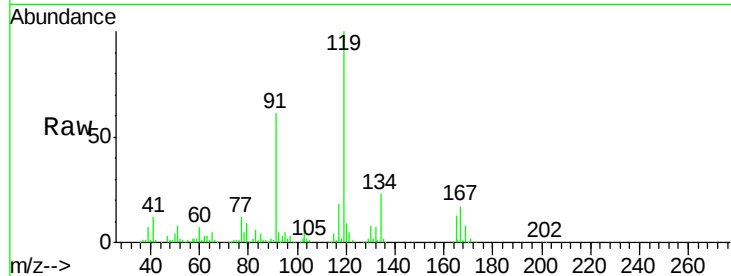




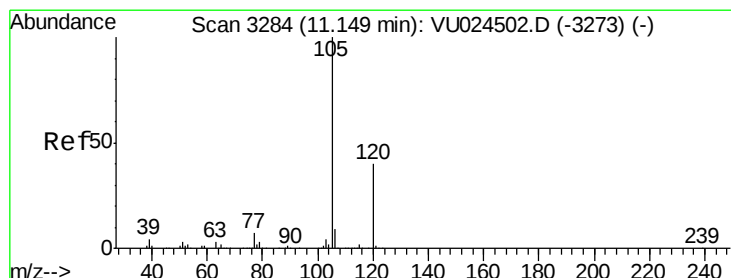
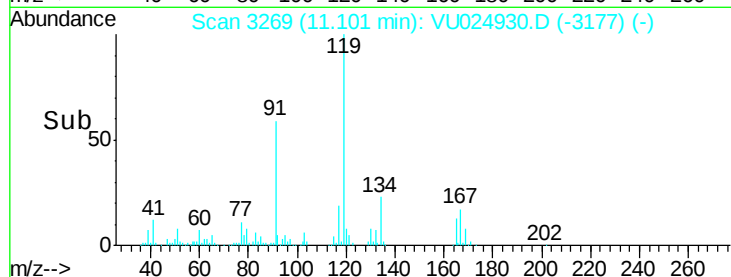
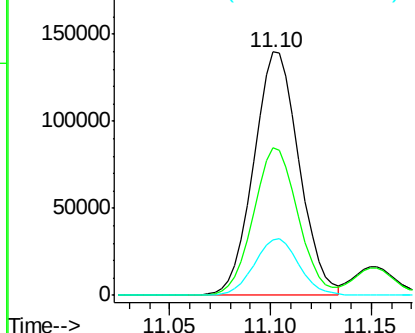
#83
tert-Butylbenzene
Concen: 23.421 ug/l
RT: 11.10 min Scan# 3269
Delta R.T. -0.00 min
Lab File: VU024930.D
Acq: 26 Jun 2018 19:31

Instrument :
MSVOA_U
ClientSampleId :
VU0627MBS01

Tgt Ion:119 Resp: 219980
Ion Ratio Lower Upper
119 100
91 59.4 29.7 89.1
134 22.8 11.6 34.7

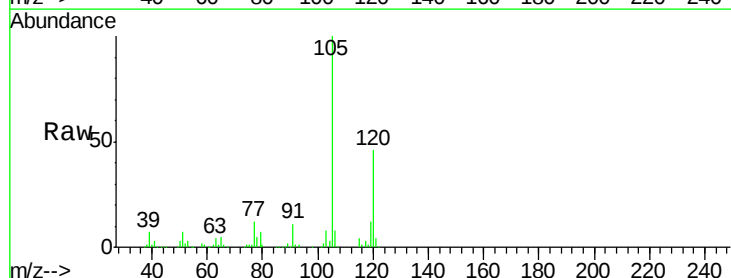


Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): V
Ion 134.00 (133.70 to 134.70): V

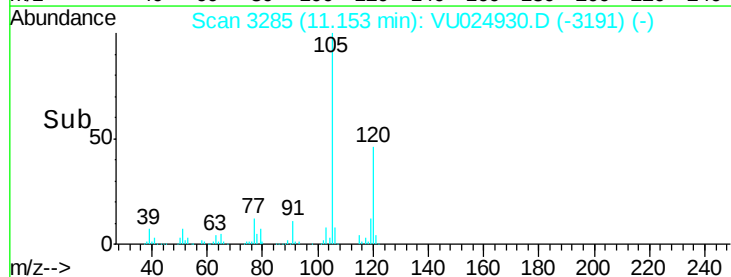
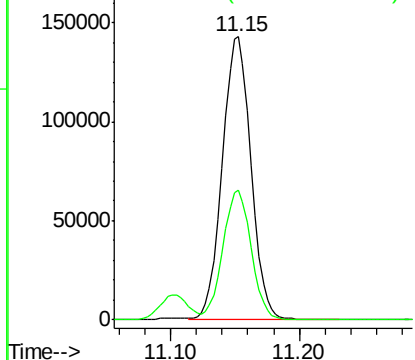


#84
1,2,4-Trimethylbenzene
Concen: 22.029 ug/l
RT: 11.15 min Scan# 3285
Delta R.T. 0.00 min
Lab File: VU024930.D
Acq: 26 Jun 2018 19:31

Tgt Ion:105 Resp: 219203
Ion Ratio Lower Upper
105 100
120 45.3 22.6 67.8



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

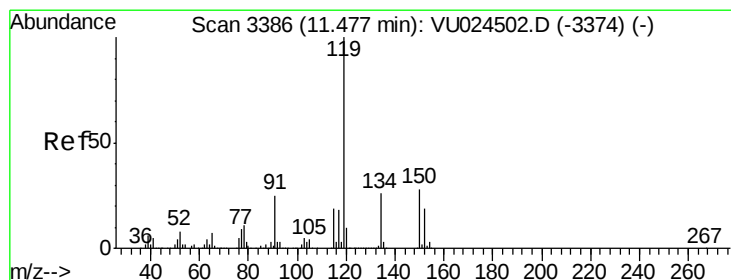
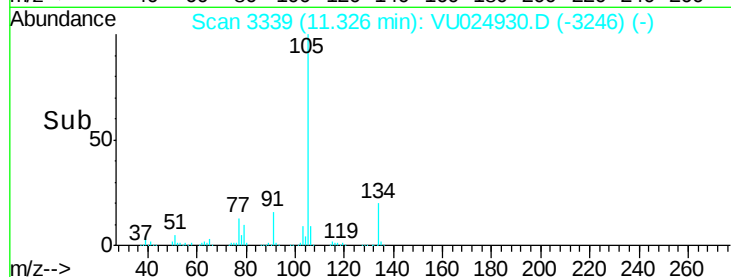
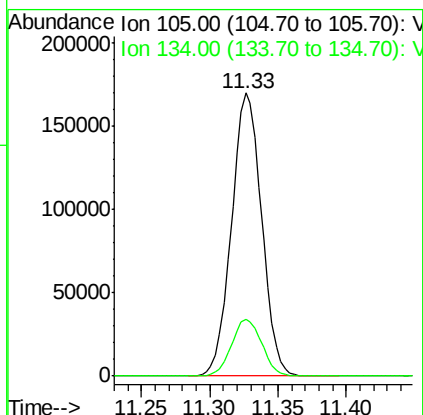
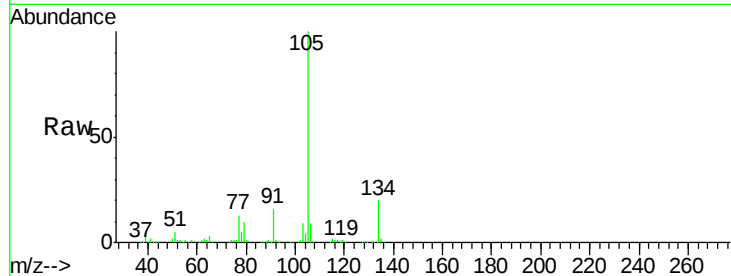




#85
 sec-Butylbenzene
 Concen: 22.129 ug/l
 RT: 11.33 min Scan# 3339
 Delta R.T. 0.00 min
 Lab File: VU024930.D
 Acq: 26 Jun 2018 19:31

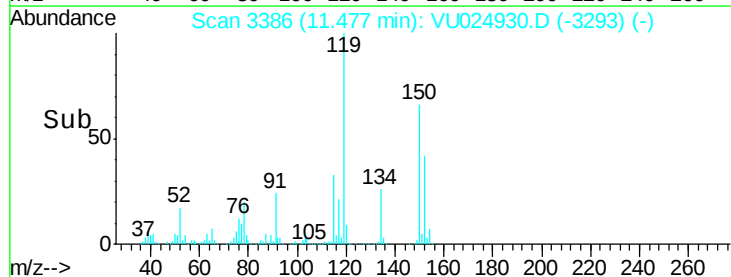
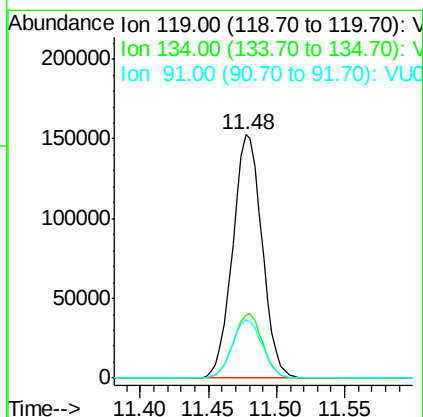
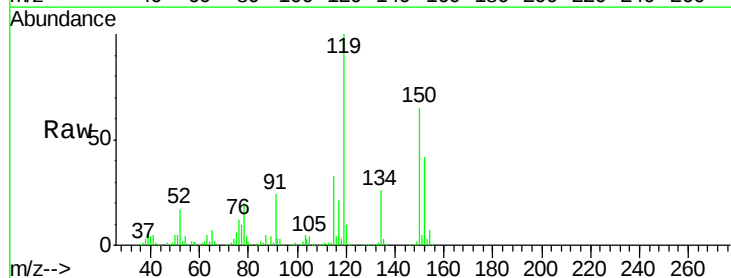
Instrument :
 MSVOA_U
 ClientSampleId :
 VU0627MBS01

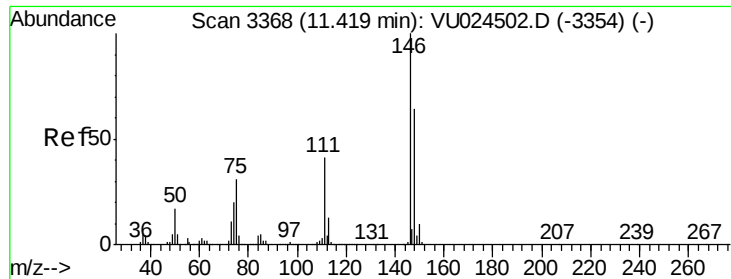
Tgt Ion:105 Resp: 260171
 Ion Ratio Lower Upper
 105 100
 134 20.3 9.7 29.1



#86
 p-Isopropyltoluene
 Concen: 21.650 ug/l
 RT: 11.48 min Scan# 3386
 Delta R.T. 0.00 min
 Lab File: VU024930.D
 Acq: 26 Jun 2018 19:31

Tgt Ion:119 Resp: 227971
 Ion Ratio Lower Upper
 119 100
 134 26.4 12.9 38.6
 91 24.7 12.0 36.1

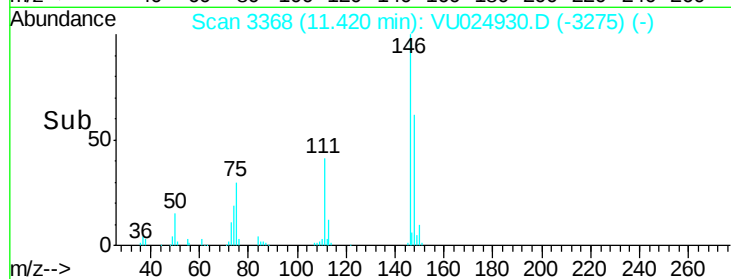
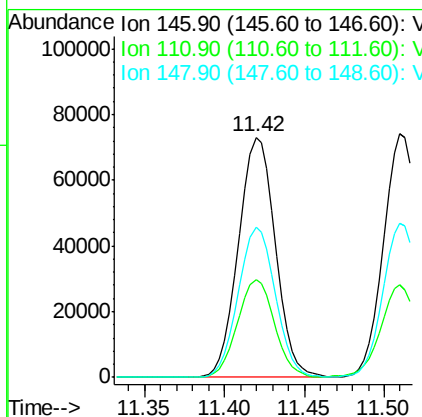
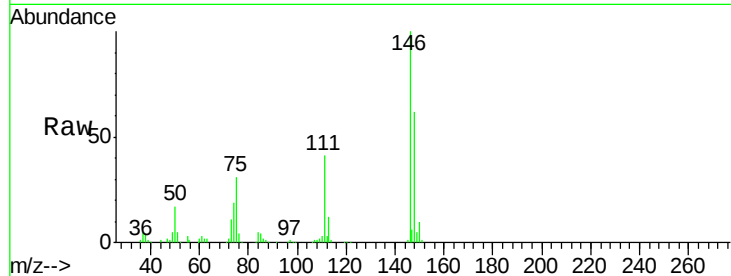




#87
 1,3-Dichlorobenzene
 Concen: 21.780 ug/l
 RT: 11.42 min Scan# 3368
 Delta R.T. 0.00 min
 Lab File: VU024930.D
 Acq: 26 Jun 2018 19:31

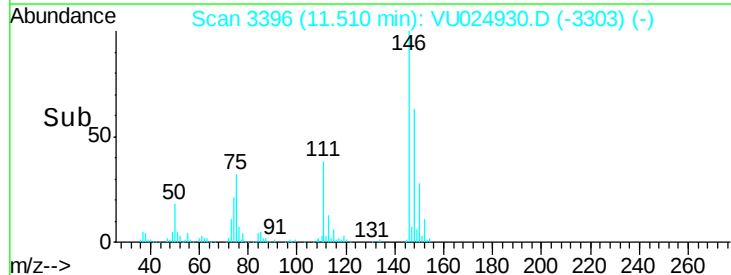
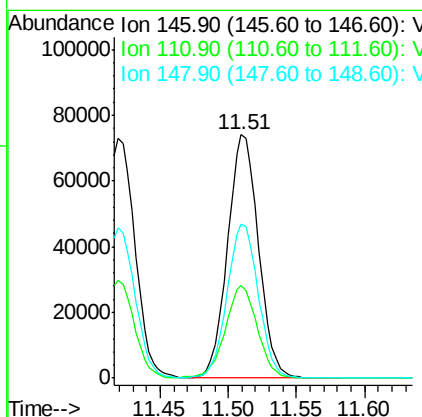
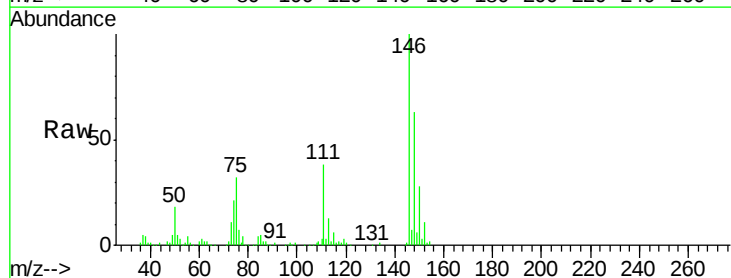
Instrument :
 MSVOA_U
 ClientSampleId :
 VU0627MBS01

Tgt Ion:146 Resp: 114761
 Ion Ratio Lower Upper
 146 100
 111 40.7 20.0 60.0
 148 62.9 32.1 96.5



#88
 1,4-Dichlorobenzene
 Concen: 22.020 ug/l
 RT: 11.51 min Scan# 3396
 Delta R.T. 0.00 min
 Lab File: VU024930.D
 Acq: 26 Jun 2018 19:31

Tgt Ion:146 Resp: 116779
 Ion Ratio Lower Upper
 146 100
 111 39.6 19.5 58.5
 148 64.1 32.4 97.0





#89

n-Butylbenzene

Concen: 19.316 ug/l

RT: 11.89 min Scan# 3515

Delta R.T. 0.00 min

Lab File: VU024930.D

Acq: 26 Jun 2018 19:31

Instrument :

MSVOA_U

ClientSampleId :

VU0627MBS01

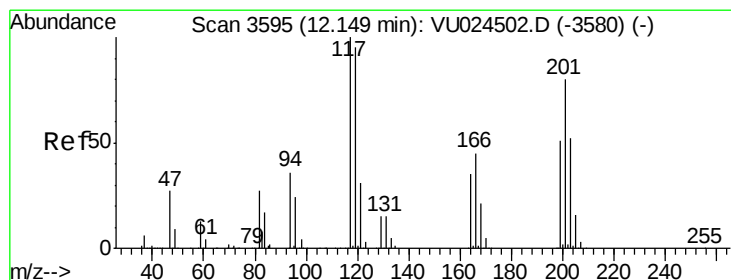
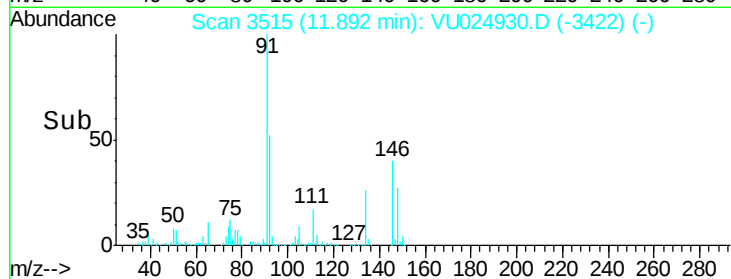
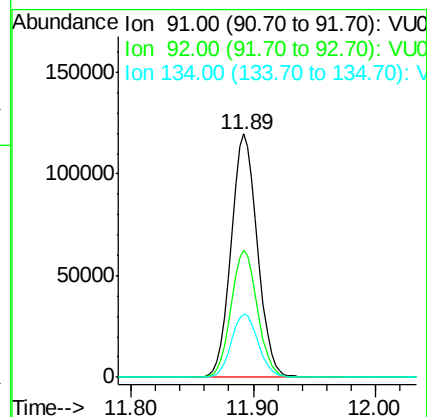
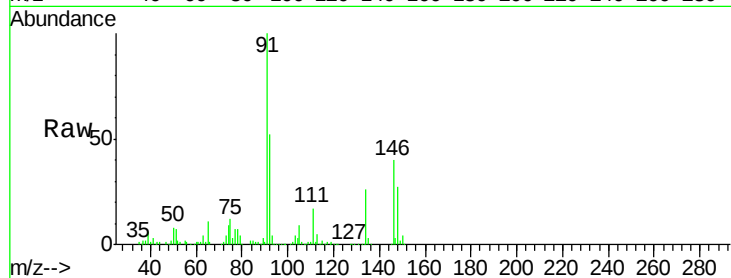
Tgt Ion: 91 Resp: 180573

Ion Ratio Lower Upper

91 100

92 52.5 25.6 76.8

134 26.7 12.3 36.8



#90

Hexachloroethane

Concen: 19.420 ug/l

RT: 12.15 min Scan# 3595

Delta R.T. 0.00 min

Lab File: VU024930.D

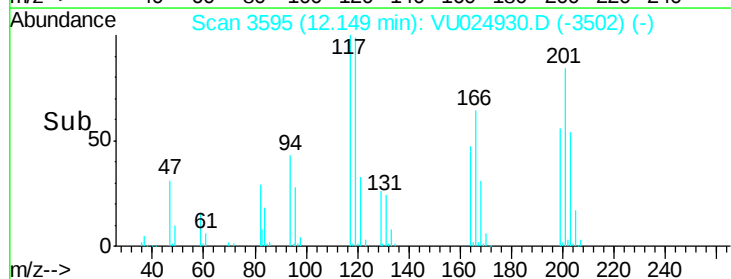
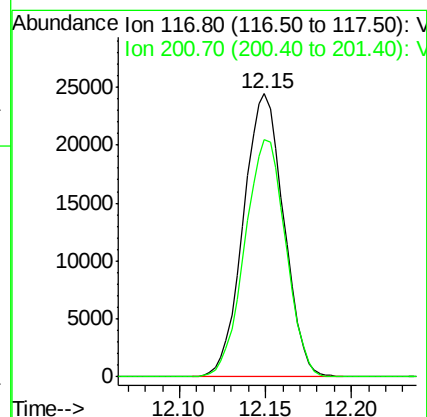
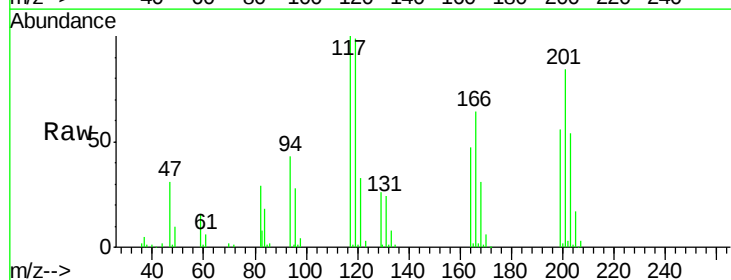
Acq: 26 Jun 2018 19:31

Tgt Ion: 117 Resp: 39891

Ion Ratio Lower Upper

117 100

201 84.8 41.1 123.3





#91

1,2-Dichlorobenzene

Concen: 22.652 ug/l

RT: 11.88 min Scan# 3512

Delta R.T. 0.00 min

Lab File: VU024930.D

Acq: 26 Jun 2018 19:31

Instrument :

MSVOA_U

ClientSampleId :

VU0627MBS01

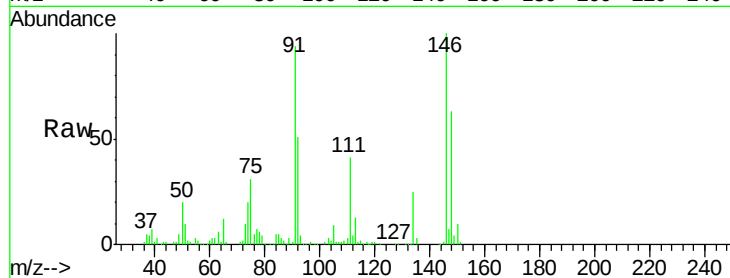
Tgt Ion:146 Resp: 119549

Ion Ratio Lower Upper

146 100

111 42.1 20.5 61.6

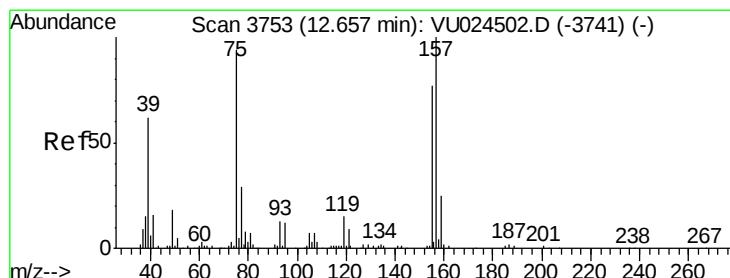
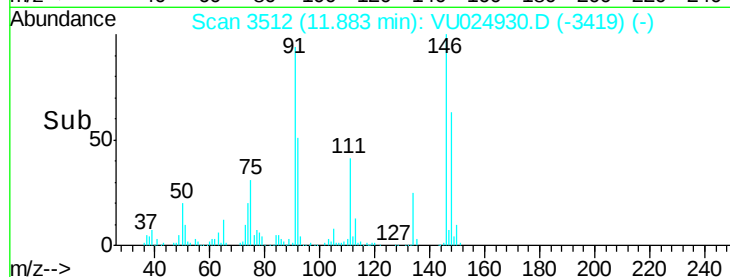
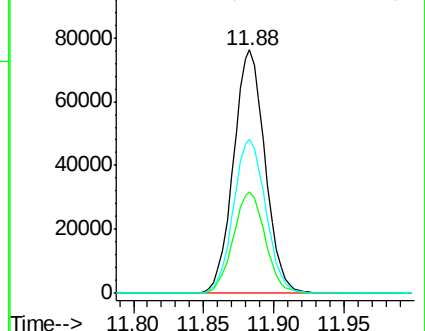
148 64.8 31.9 95.7



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 21.663 ug/l

RT: 12.66 min Scan# 3753

Delta R.T. 0.00 min

Lab File: VU024930.D

Acq: 26 Jun 2018 19:31

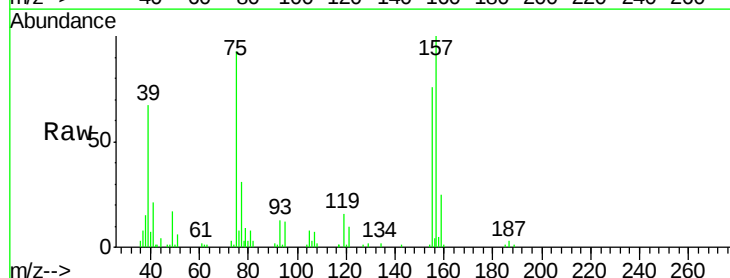
Tgt Ion: 75 Resp: 22566

Ion Ratio Lower Upper

75 100

155 84.6 40.4 121.2

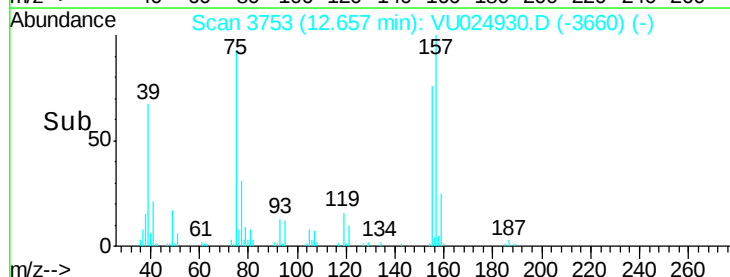
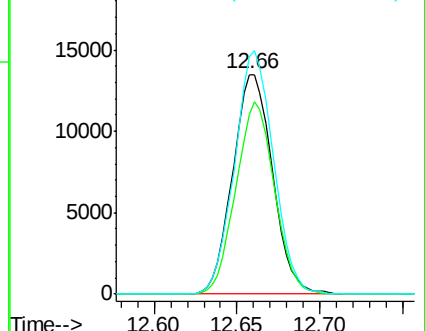
157 108.2 52.3 156.8



Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

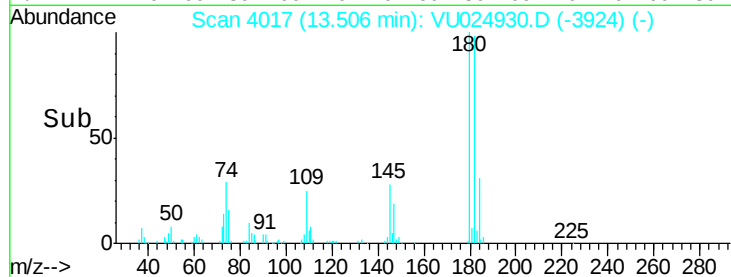
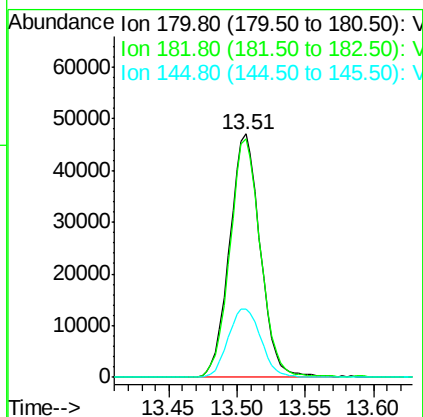
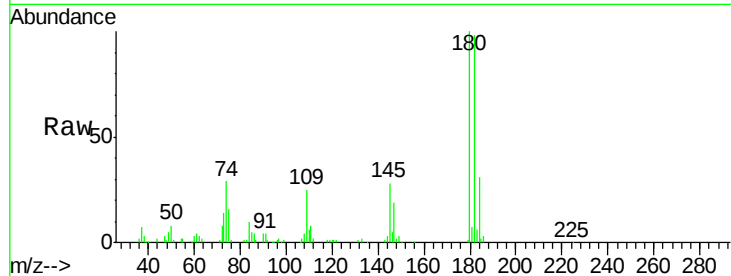




#93
 1,2,4-Trichlorobenzene
 Concen: 22.542 ug/l
 RT: 13.51 min Scan# 4017
 Delta R.T. 0.00 min
 Lab File: VU024930.D
 Acq: 26 Jun 2018 19:31

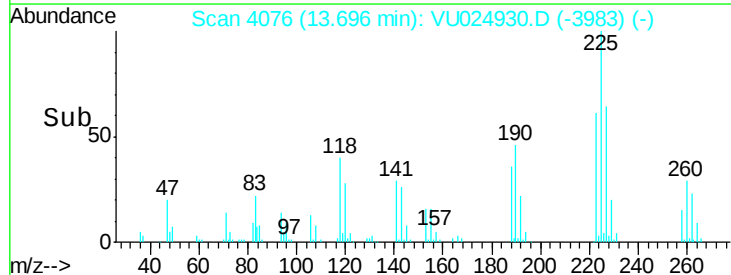
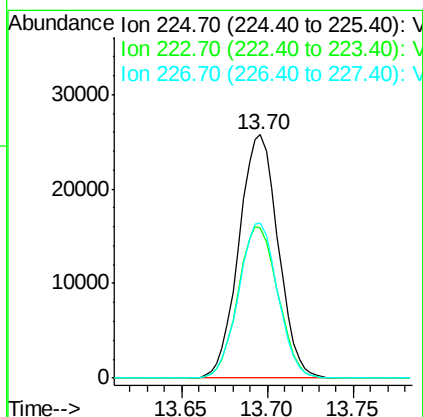
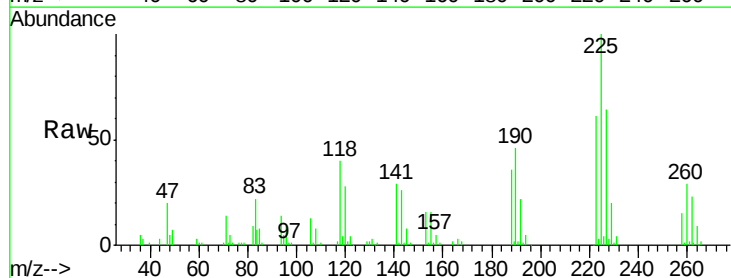
Instrument :
 MSVOA_U
 ClientSampleId :
 VU0627MBS01

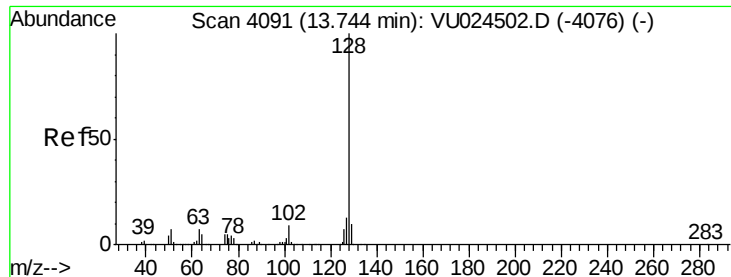
Tgt Ion:180 Resp: 73465
 Ion Ratio Lower Upper
 180 100
 182 98.0 48.0 144.2
 145 30.0 14.7 44.1



#94
 Hexachlorobutadiene
 Concen: 22.220 ug/l
 RT: 13.70 min Scan# 4076
 Delta R.T. 0.00 min
 Lab File: VU024930.D
 Acq: 26 Jun 2018 19:31

Tgt Ion:225 Resp: 40760
 Ion Ratio Lower Upper
 225 100
 223 63.1 31.3 93.8
 227 63.4 31.8 95.4





#95

Naphthalene

Concen: 23.150 ug/l

RT: 13.74 min Scan# 4091

Delta R.T. 0.00 min

Lab File: VU024930.D

Acq: 26 Jun 2018 19:31

Instrument :

MSVOA_U

ClientSampleId :

VU0627MBS01

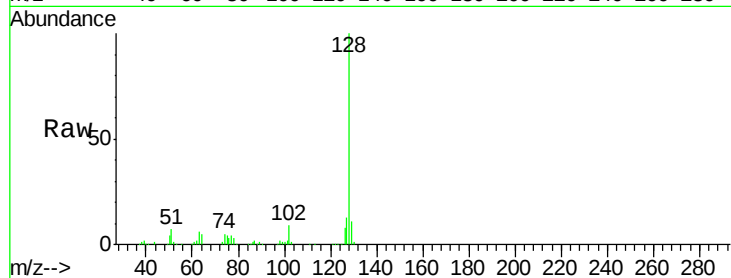
Tgt Ion:128 Resp: 245779

Ion Ratio Lower Upper

128 100

127 13.4 10.6 16.0

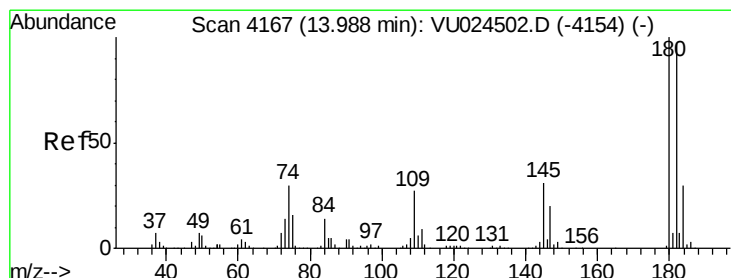
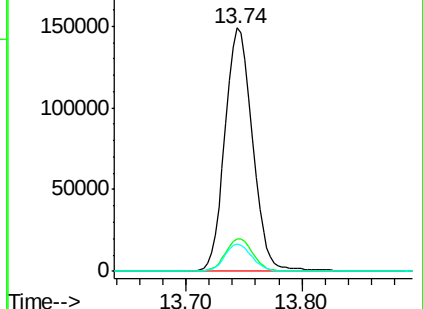
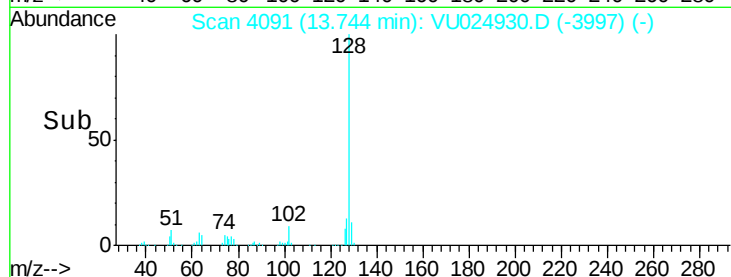
129 10.9 8.6 12.8



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: 23.975 ug/l

RT: 13.99 min Scan# 4167

Delta R.T. 0.00 min

Lab File: VU024930.D

Acq: 26 Jun 2018 19:31

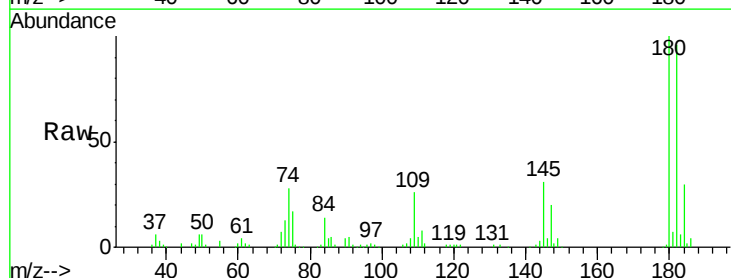
Tgt Ion:180 Resp: 77860

Ion Ratio Lower Upper

180 100

182 94.7 47.9 143.7

145 32.2 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

