

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU062718\
 Data File : VU024931.D
 Acq On : 26 Jun 2018 19:55
 Operator : MD/SY
 Sample : VU0627MBSD01
 Misc : 5.00g/10ml/100uL/5.0mL/MSVOA_U/MEOH
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0627MBSD01

Quant Time: Jun 27 04:14:37 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	174076	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	264494	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	245201	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.49	152	144007	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.31	65	136701	48.10	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.20%	
35) Dibromofluoromethane	4.89	113	108088	49.24	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.48%	
50) Toluene-d8	7.57	98	369427	46.14	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.28%	
62) 4-Bromofluorobenzene	10.31	95	147116	46.28	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.56%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	38682	17.753	ug/l	98
3) Chloromethane	1.33	50	40753	18.307	ug/l	96
4) Vinyl Chloride	1.40	62	42742	18.618	ug/l	99
5) Bromomethane	1.62	94	27841	25.087	ug/l	98
6) Chloroethane	1.70	64	28365	21.511	ug/l	100
7) Trichlorofluoromethane	1.89	101	70028	19.988	ug/l	100
8) Diethyl Ether	2.10	74	26928	21.513	ug/l	87
9) 1,1,2-Trichlorotrifluoroet	2.29	101	41963	19.307	ug/l	96
10) Methyl Iodide	2.41	142	39747	24.611	ug/l	98
11) Tert butyl alcohol	2.82	59	74207	107.366	ug/l	98
12) 1,1-Dichloroethene	2.29	96	38427	19.387	ug/l	94
13) Acrolein	2.19	56	16263	44.808	ug/l	96
14) Allyl chloride	2.60	41	68100	18.504	ug/l	99
15) Acrylonitrile	2.94	53	142278	105.804	ug/l	99
16) Acetone	2.32	43	159670	104.571	ug/l	100
17) Carbon Disulfide	2.48	76	98742	15.558	ug/l	98
18) Methyl Acetate	2.62	43	77676	23.730	ug/l	97
19) Methyl tert-butyl Ether	3.00	73	157231	21.103	ug/l	96
20) Methylene Chloride	2.70	84	49501	20.661	ug/l	98
21) trans-1,2-Dichloroethene	2.99	96	41668	19.087	ug/l	94
22) Diisopropyl ether	3.57	45	148174	20.310	ug/l	95
23) Vinyl Acetate	3.53	43	643096	98.403	ug/l	100
24) 1,1-Dichloroethane	3.45	63	84611	20.160	ug/l	99
25) 2-Butanone	4.26	43	219366	106.956	ug/l	99
26) 2,2-Dichloropropane	4.23	77	79169	19.866	ug/l	98
27) cis-1,2-Dichloroethene	4.23	96	51208	20.403	ug/l	99
28) Bromochloromethane	4.55	49	38482	20.817	ug/l	89
29) Tetrahydrofuran	4.63	42	132732	104.504	ug/l	97
30) Chloroform	4.68	83	88511	20.836	ug/l	100
31) Cyclohexane	5.00	56	75103	18.924	ug/l	96
32) 1,1,1-Trichloroethane	4.92	97	80556	20.507	ug/l	96
36) 1,1-Dichloropropene	5.14	75	59937	19.285	ug/l	95
37) Ethyl Acetate	4.38	43	76156	22.481	ug/l	96
38) Carbon Tetrachloride	5.14	117	69889	20.449	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.42	83	73564	18.967	ug/l	95
40) Benzene	5.39	78	181985	20.549	ug/l	98
41) Methacrylonitrile	4.54	41	41863	22.921	ug/l	97
42) 1,2-Dichloroethane	5.41	62	74796	22.175	ug/l	99
43) Isopropyl Acetate	5.55	43	121094	20.681	ug/l	99
44) Trichloroethene	6.19	130	50144	19.895	ug/l	98
45) 1,2-Dichloropropane	6.44	63	50094	21.199	ug/l	99
46) Dibromomethane	6.56	93	36444	21.957	ug/l	96
47) Bromodichloromethane	6.76	83	69392	20.995	ug/l	96
48) Methyl methacrylate	6.62	41	61046	21.410	ug/l	97
49) 1,4-Dioxane	6.62	88	29055	521.073	ug/l	96
51) 4-Methyl-2-Pentanone	7.46	43	406705	110.557	ug/l	99
52) Toluene	7.64	92	115926	20.346	ug/l	100
53) t-1,3-Dichloropropene	7.88	75	72940	19.651	ug/l	99
54) cis-1,3-Dichloropropene	7.27	75	75424	19.070	ug/l	95
55) 1,1,2-Trichloroethane	8.07	97	49416	21.336	ug/l	99
56) Ethyl methacrylate	8.02	69	80701	20.818	ug/l	98
57) 1,3-Dichloropropane	8.25	76	83517	21.376	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.13	63	32647	21.983	ug/l	96
59) 2-Hexanone	8.36	43	327638	109.092	ug/l	99
60) Dibromochloromethane	8.48	129	55499	19.216	ug/l	100
61) 1,2-Dibromoethane	8.59	107	54341	21.080	ug/l	99
64) Tetrachloroethene	8.23	164	47311	20.299	ug/l	95
65) Chlorobenzene	9.12	112	132207	21.106	ug/l	100
66) 1,1,1,2-Tetrachloroethane	9.21	131	51390	21.594	ug/l	97
67) Ethyl Benzene	9.25	91	232904	21.209	ug/l	99
68) m/p-Xylenes	9.38	106	179382	42.540	ug/l	99
69) o-Xylene	9.78	106	89382	21.418	ug/l	98
70) Styrene	9.80	104	141647	20.654	ug/l	99
71) Bromoform	9.96	173	42576	18.822	ug/l #	100
73) Isopropylbenzene	10.17	105	239295	21.643	ug/l	99
74) N-amyl acetate	10.01	43	106216	20.197	ug/l	99
75) 1,1,2,2-Tetrachloroethane	10.46	83	84026	22.679	ug/l	99
76) 1,2,3-Trichloropropane	10.50	75	99850	31.493	ug/l	84
77) Bromobenzene	10.45	156	61727	22.053	ug/l	95
78) n-propylbenzene	10.59	91	267388	20.530	ug/l	97
79) 2-Chlorotoluene	10.66	91	165978	21.610	ug/l	99
80) 1,3,5-Trimethylbenzene	10.78	105	204489	21.339	ug/l	100
81) trans-1,4-Dichloro-2-buten	10.50	75	99850	72.889	ug/l #	100
82) 4-Chlorotoluene	10.78	91	186866	20.904	ug/l	100
83) tert-Butylbenzene	11.10	119	209086	22.682	ug/l	100
84) 1,2,4-Trimethylbenzene	11.15	105	207826	21.281	ug/l	99
85) sec-Butylbenzene	11.33	105	244808	21.216	ug/l	99
86) p-Isopropyltoluene	11.48	119	216723	20.972	ug/l	100
87) 1,3-Dichlorobenzene	11.42	146	108662	21.013	ug/l	99
88) 1,4-Dichlorobenzene	11.51	146	109287	20.997	ug/l	99
89) n-Butylbenzene	11.89	91	173561	18.917	ug/l	98
90) Hexachloroethane	12.15	117	37895	18.798	ug/l	99
91) 1,2-Dichlorobenzene	11.88	146	114450	22.096	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.66	75	22310	21.823	ug/l	97

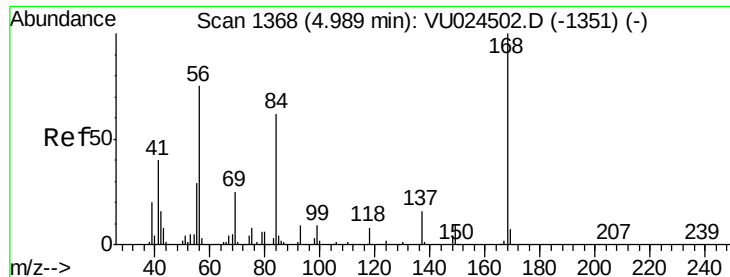
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_U\DATA\VU062718\
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Quant Title : SW846 8260
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.51	180	72658	22.716	ug/l	98
94) Hexachlorobutadiene	13.70	225	39331	21.847	ug/l	99
95) Naphthalene	13.74	128	246639	23.655	ug/l	99
96) 1,2,3-Trichlorobenzene	13.99	180	76496	24.001	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.99 min Scan# 1368

Delta R.T. 0.00 min

Lab File: VU024931.D

Acq: 26 Jun 2018 19:55

Instrument :

MSVOA_U

ClientSampleId :

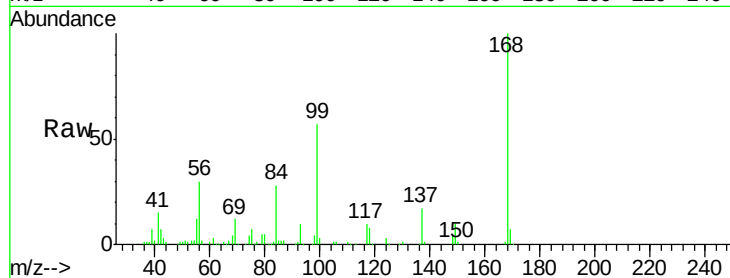
VU0627MBSD01

Tgt Ion:168 Resp: 174076

Ion Ratio Lower Upper

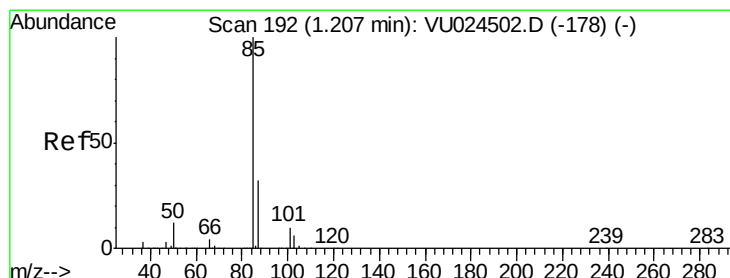
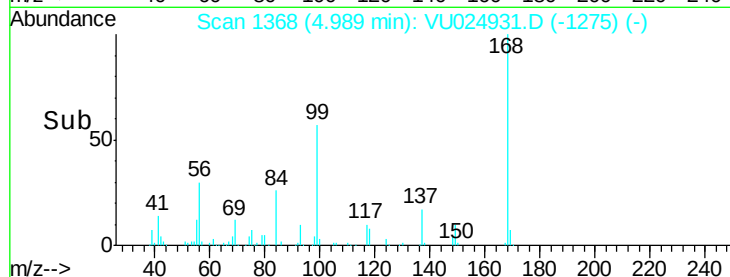
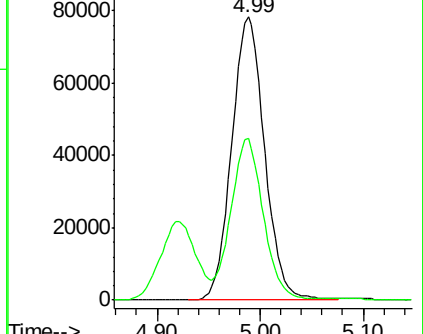
168 100

99 56.5 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: 17.753 ug/l

RT: 1.20 min Scan# 191

Delta R.T. -0.00 min

Lab File: VU024931.D

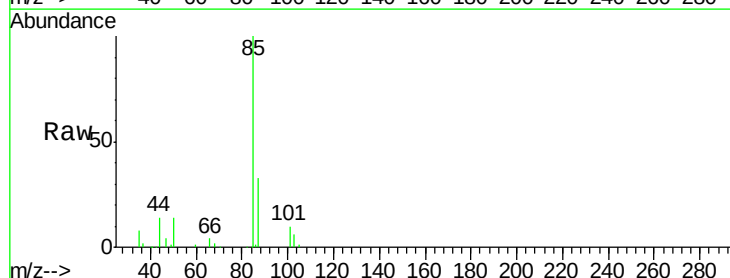
Acq: 26 Jun 2018 19:55

Tgt Ion: 85 Resp: 38682

Ion Ratio Lower Upper

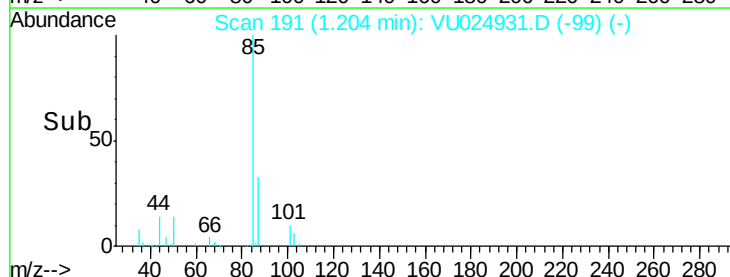
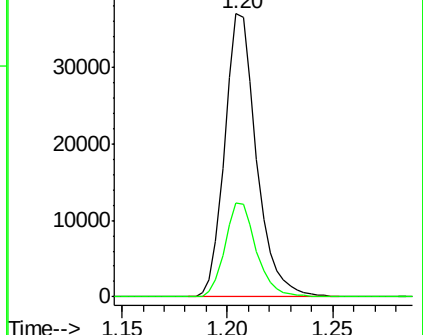
85 100

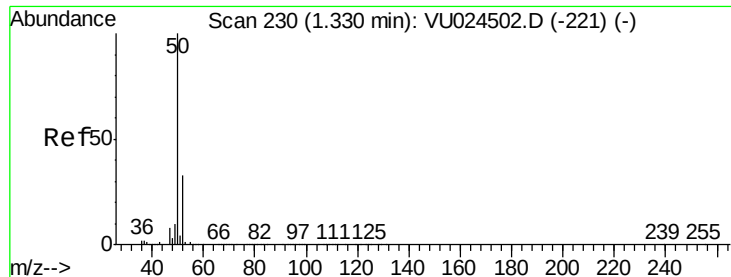
87 33.0 16.1 48.2



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: 18.307 ug/l

RT: 1.33 min Scan# 229

Delta R.T. -0.00 min

Lab File: VU024931.D

Acq: 26 Jun 2018 19:55

Instrument :

MSVOA_U

ClientSampleId :

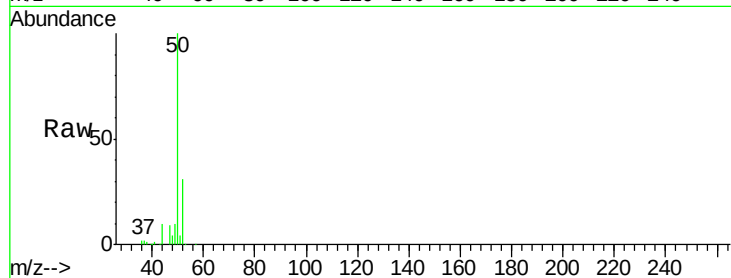
VU0627MBSD01

Tgt Ion: 50 Resp: 40753

Ion Ratio Lower Upper

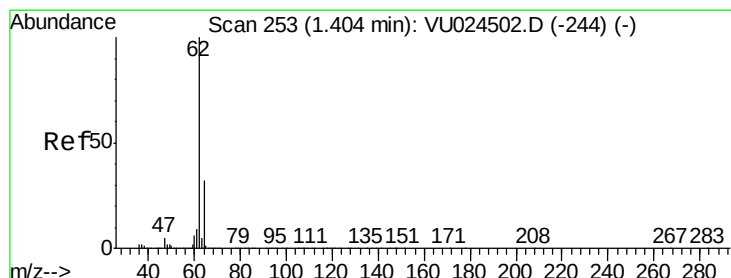
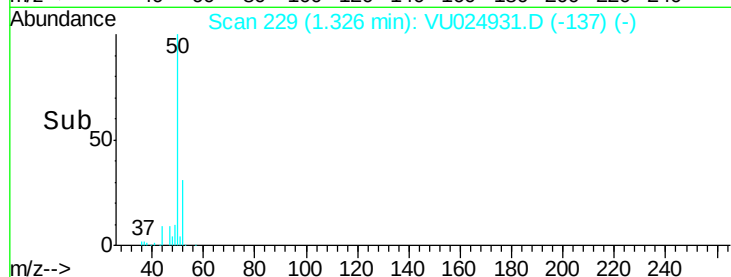
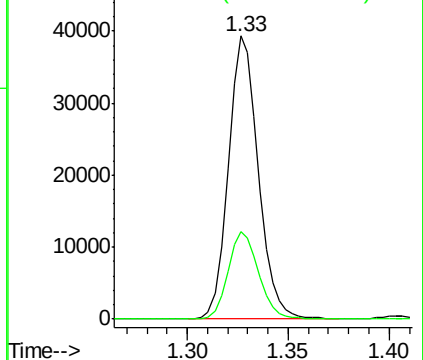
50 100

52 30.8 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: 18.618 ug/l

RT: 1.40 min Scan# 253

Delta R.T. 0.00 min

Lab File: VU024931.D

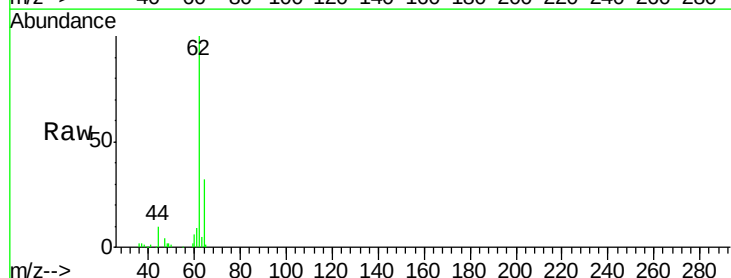
Acq: 26 Jun 2018 19:55

Tgt Ion: 62 Resp: 42742

Ion Ratio Lower Upper

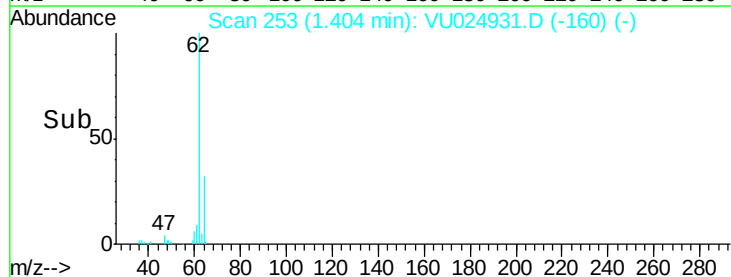
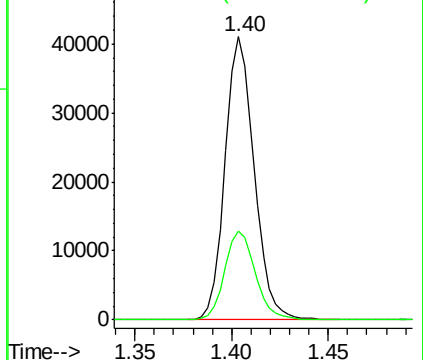
62 100

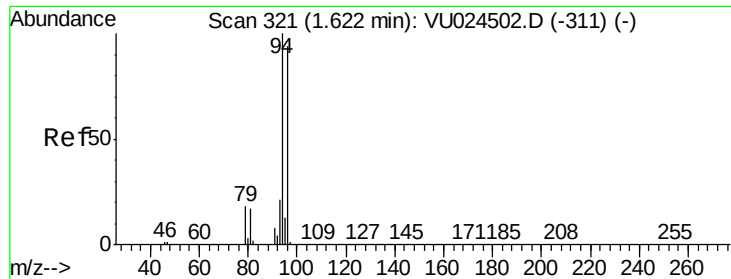
64 31.6 24.8 37.2



Abundance Ion 61.90 (61.60 to 62.60): VU0

Ion 63.90 (63.60 to 64.60): VU0





#5

Bromomethane

Concen: 25.087 ug/l

RT: 1.62 min Scan# 320

Delta R.T. -0.00 min

Lab File: VU024931.D

Acq: 26 Jun 2018 19:55

Instrument :

MSVOA_U

ClientSampleId :

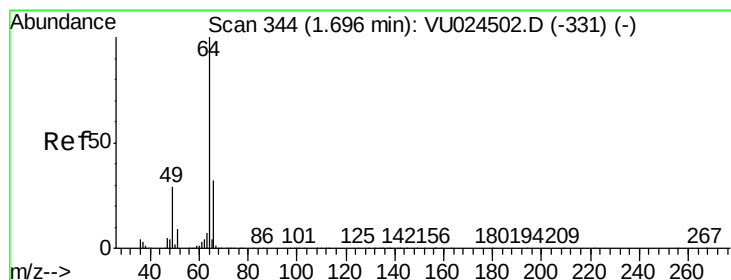
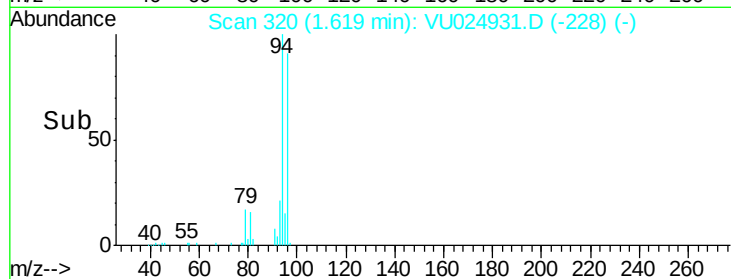
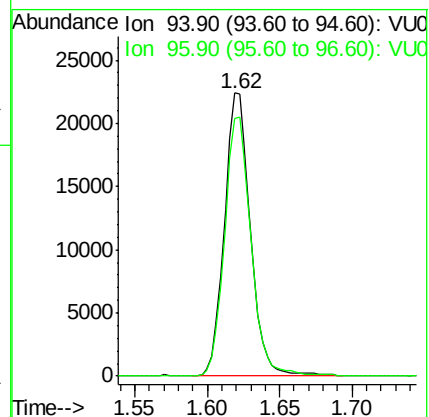
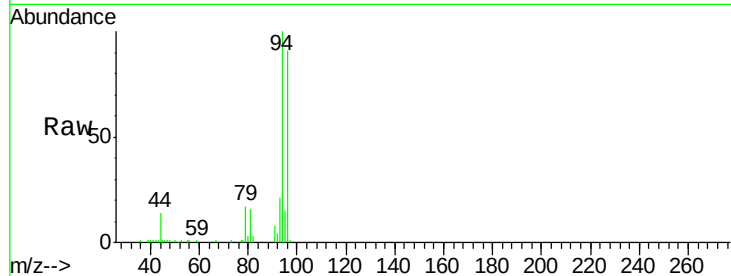
VU0627MBSD01

Tgt Ion: 94 Resp: 27841

Ion Ratio Lower Upper

94 100

96 91.1 74.5 111.7



#6

Chloroethane

Concen: 21.511 ug/l

RT: 1.70 min Scan# 344

Delta R.T. 0.00 min

Lab File: VU024931.D

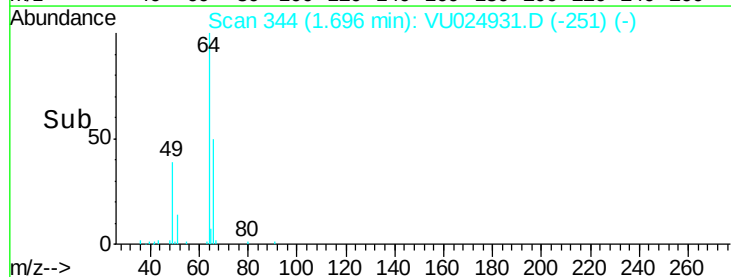
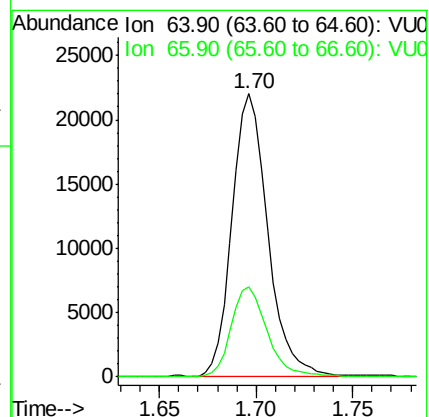
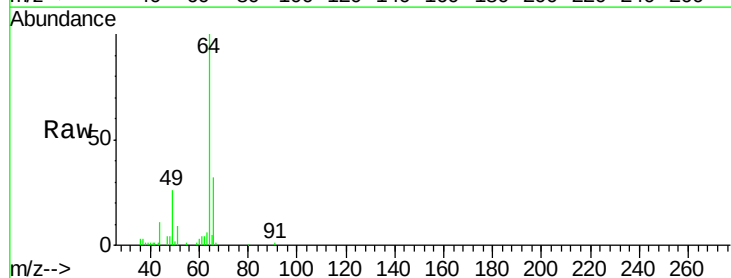
Acq: 26 Jun 2018 19:55

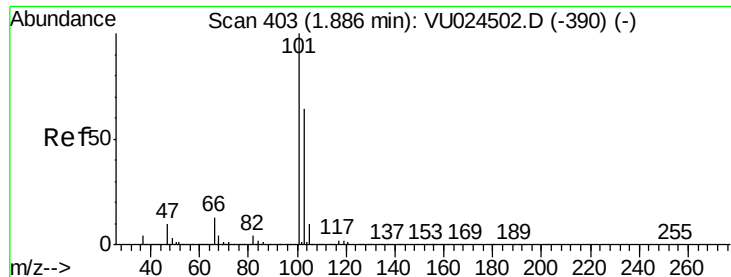
Tgt Ion: 64 Resp: 28365

Ion Ratio Lower Upper

64 100

66 31.8 25.5 38.3



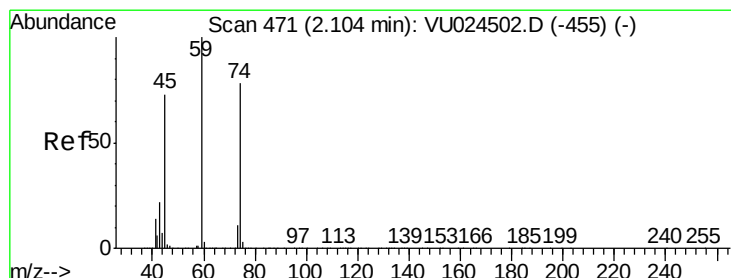
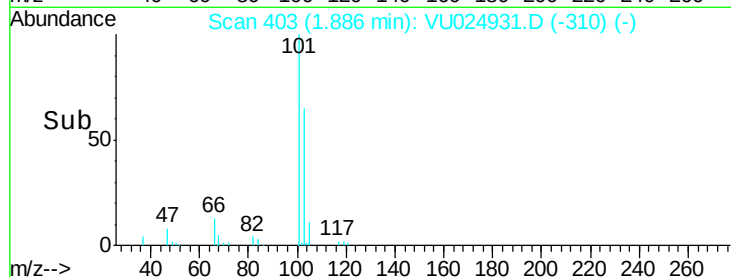
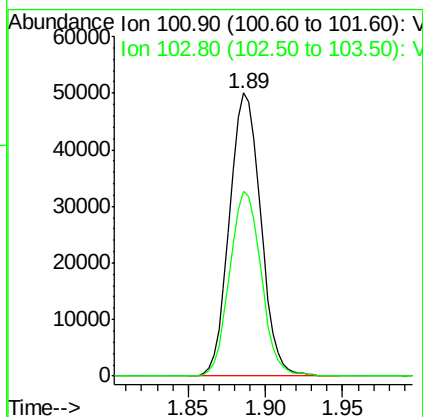
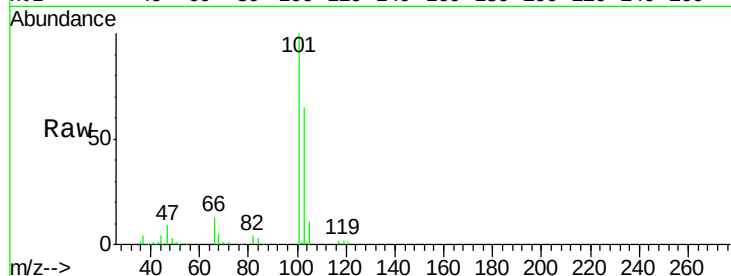


#7

Trichlorofluoromethane
Concen: 19.988 ug/l
RT: 1.89 min Scan# 403
Delta R.T. 0.00 min
Lab File: VU024931.D
Acq: 26 Jun 2018 19:55

Instrument :
MSVOA_U
ClientSampleId :
VU0627MBSD01

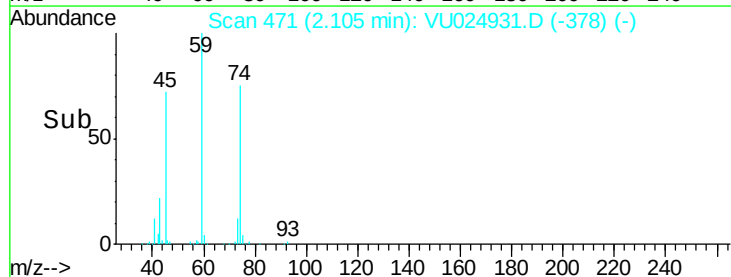
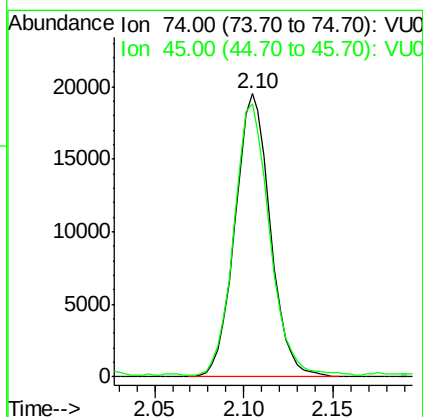
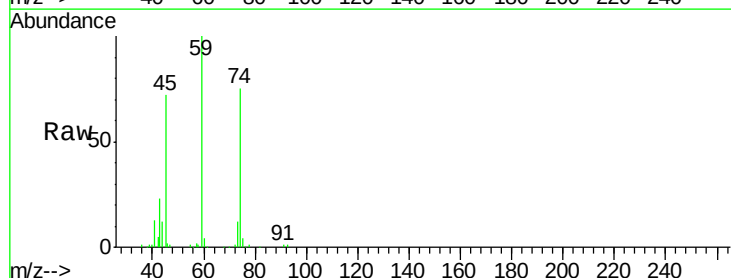
Tgt Ion:101 Resp: 70028
Ion Ratio Lower Upper
101 100
103 65.2 52.3 78.5

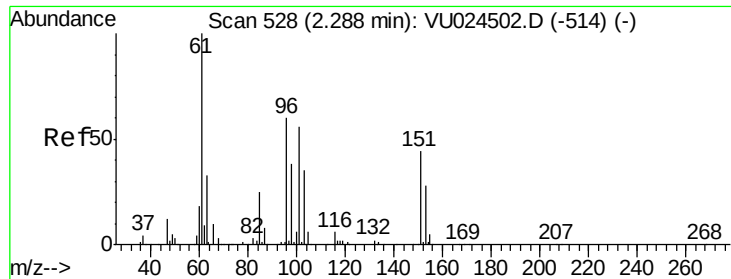


#8

Diethyl Ether
Concen: 21.513 ug/l
RT: 2.10 min Scan# 471
Delta R.T. 0.00 min
Lab File: VU024931.D
Acq: 26 Jun 2018 19:55

Tgt Ion: 74 Resp: 26928
Ion Ratio Lower Upper
74 100
45 96.5 55.0 165.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.307 ug/l

RT: 2.29 min Scan# 528

Delta R.T. 0.00 min

Lab File: VU024931.D

Acq: 26 Jun 2018 19:55

Instrument :

MSVOA_U

ClientSampleId :

VU0627MBSD01

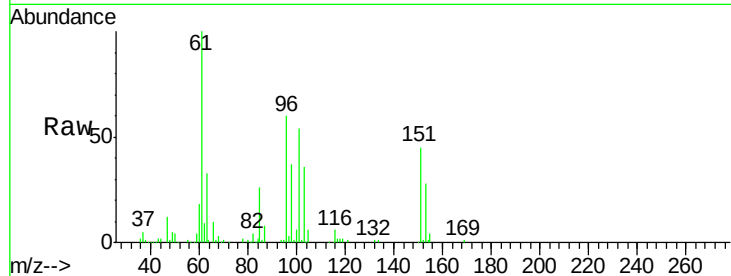
Tgt Ion:101 Resp: 41963

Ion Ratio Lower Upper

101 100

85 46.1 36.0 54.0

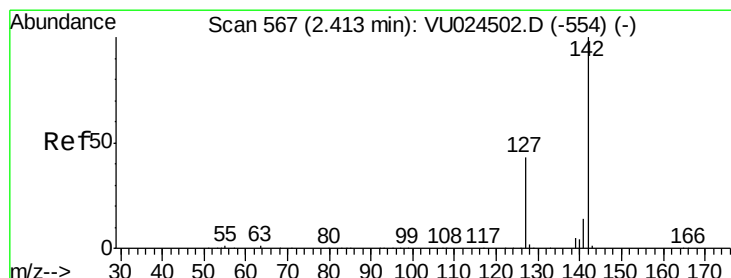
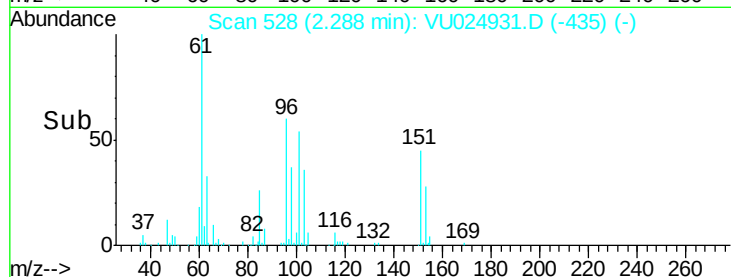
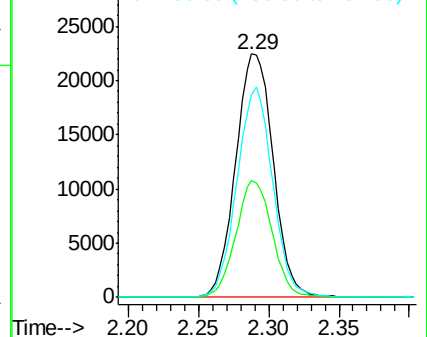
151 82.1 62.3 93.5



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: 24.611 ug/l

RT: 2.41 min Scan# 567

Delta R.T. 0.00 min

Lab File: VU024931.D

Acq: 26 Jun 2018 19:55

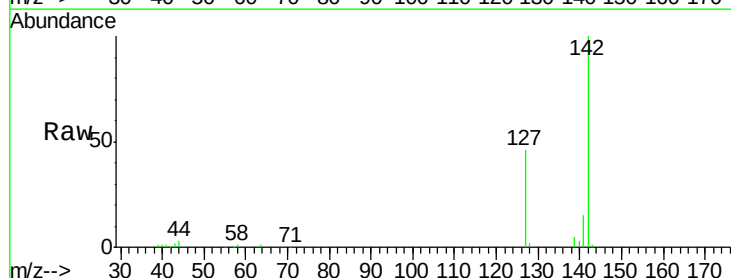
Tgt Ion:142 Resp: 39747

Ion Ratio Lower Upper

142 100

127 46.1 35.6 53.4

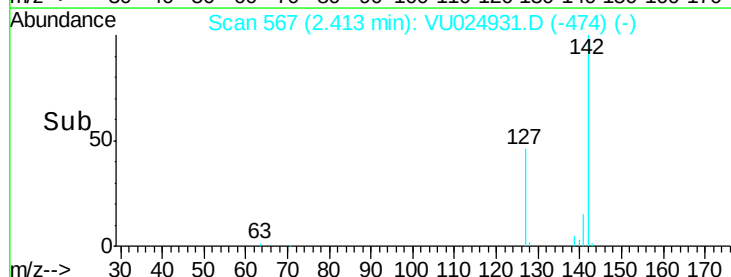
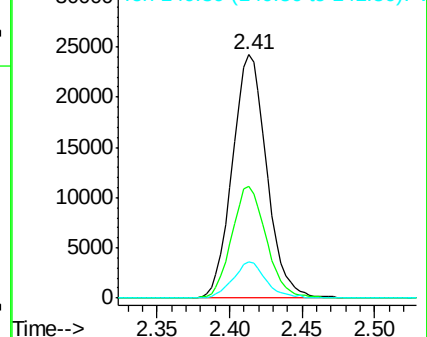
141 14.4 11.7 17.5

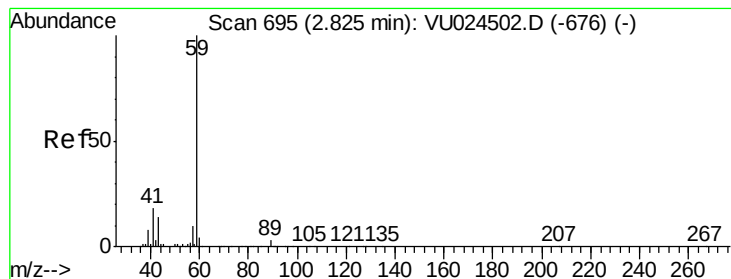


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



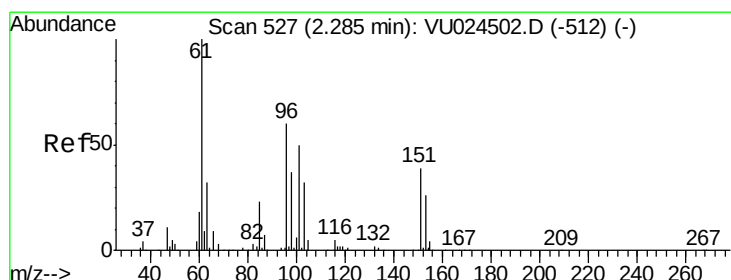
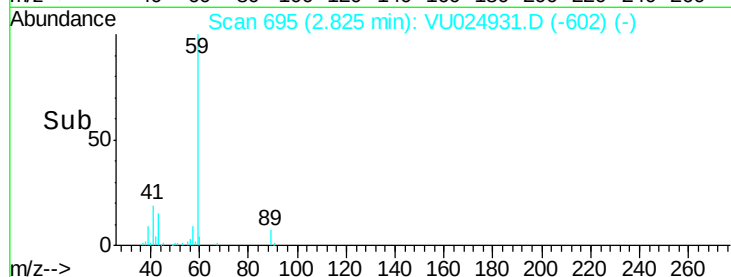
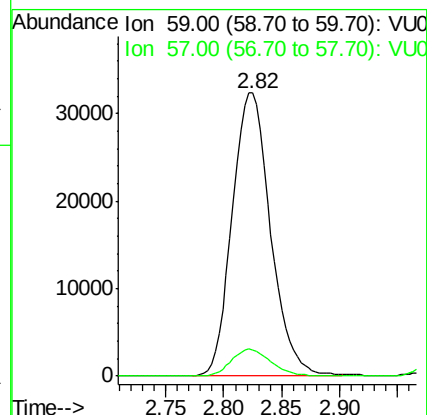
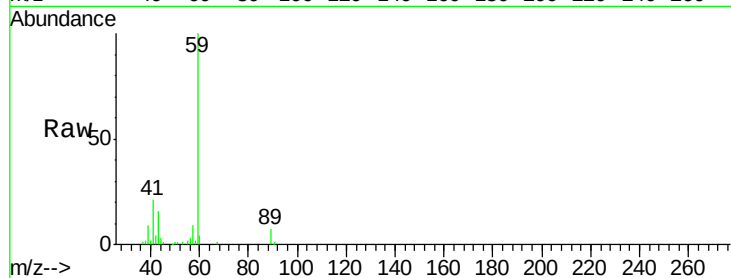


#11

Tert butyl alcohol
 Concen: 107.366 ug/l
 RT: 2.82 min Scan# 695
 Delta R.T. 0.00 min
 Lab File: VU024931.D
 Acq: 26 Jun 2018 19:55

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0627MBSD01

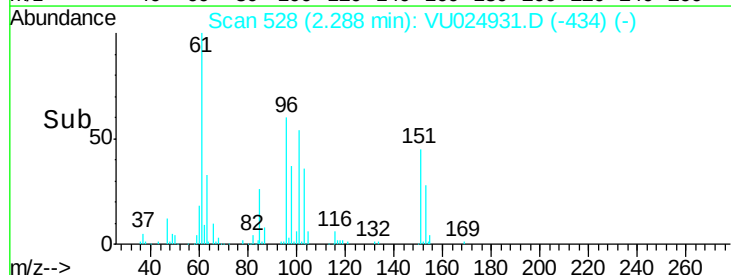
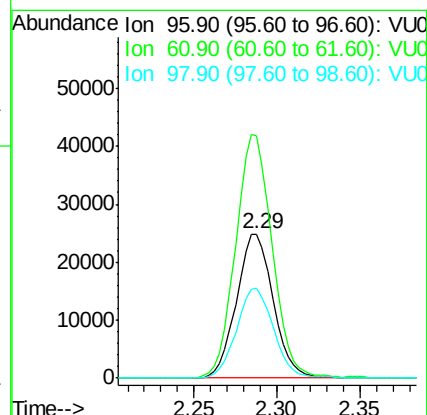
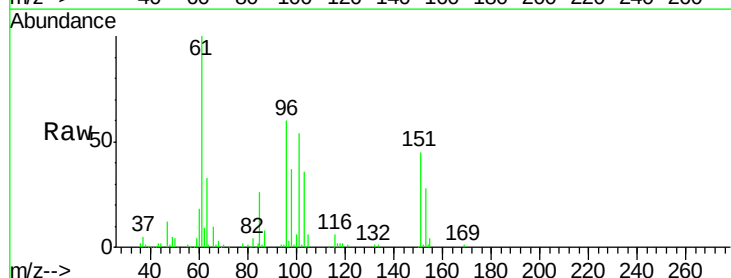
Tgt Ion: 59 Resp: 74207
 Ion Ratio Lower Upper
 59 100
 57 9.7 8.5 12.7

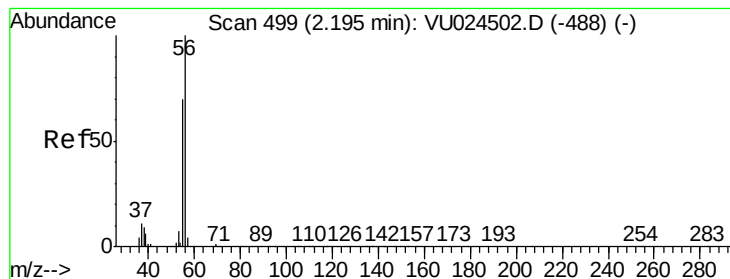


#12

1,1-Dichloroethene
 Concen: 19.387 ug/l
 RT: 2.29 min Scan# 528
 Delta R.T. 0.00 min
 Lab File: VU024931.D
 Acq: 26 Jun 2018 19:55

Tgt Ion: 96 Resp: 38427
 Ion Ratio Lower Upper
 96 100
 61 167.5 141.7 212.5
 98 62.0 51.6 77.4





#13

Acrolein

Concen: 44.808 ug/l

RT: 2.19 min Scan# 499

Delta R.T. 0.00 min

Lab File: VU024931.D

Acq: 26 Jun 2018 19:55

Instrument :

MSVOA_U

ClientSampleId :

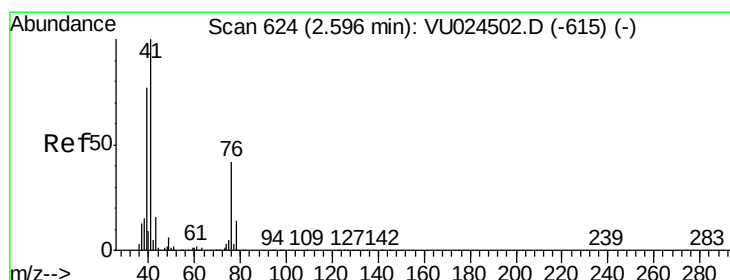
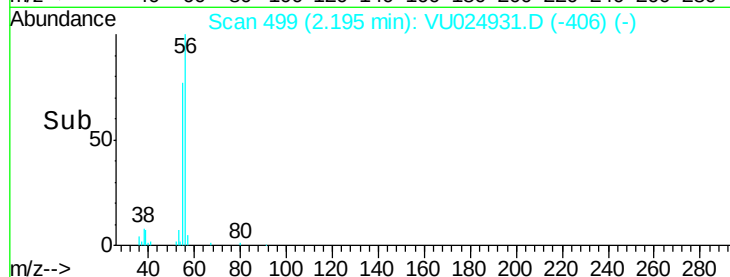
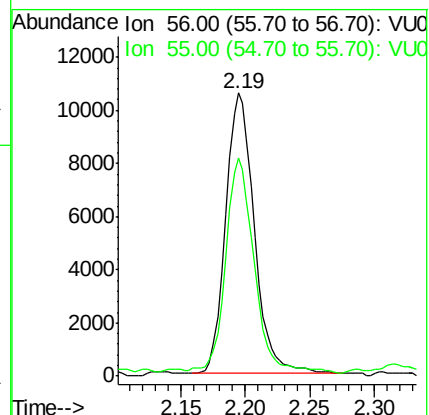
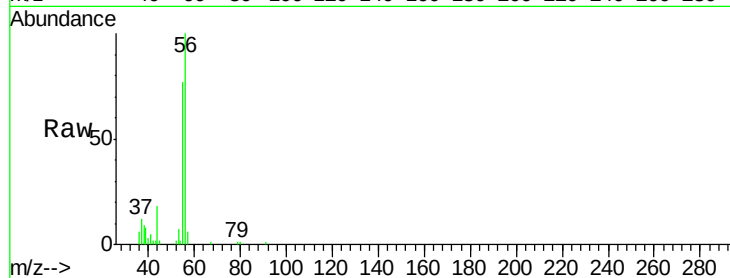
VU0627MBSD01

Tgt Ion: 56 Resp: 16263

Ion Ratio Lower Upper

56 100

55 76.3 58.4 87.6



#14

Allyl chloride

Concen: 18.504 ug/l

RT: 2.60 min Scan# 624

Delta R.T. 0.00 min

Lab File: VU024931.D

Acq: 26 Jun 2018 19:55

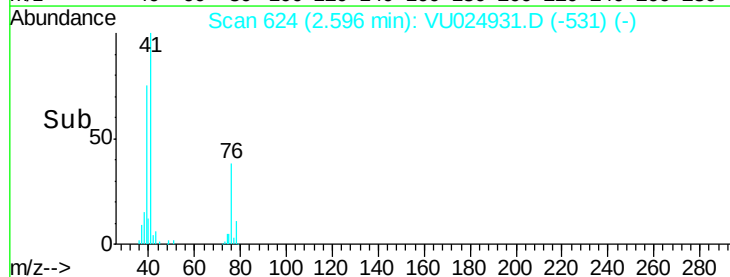
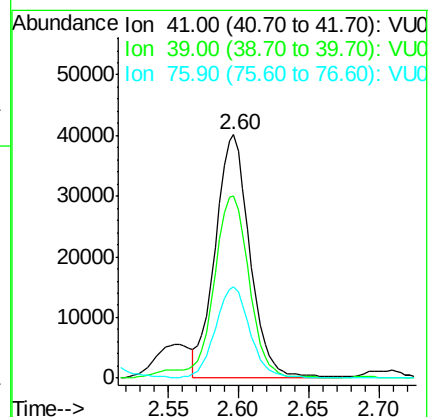
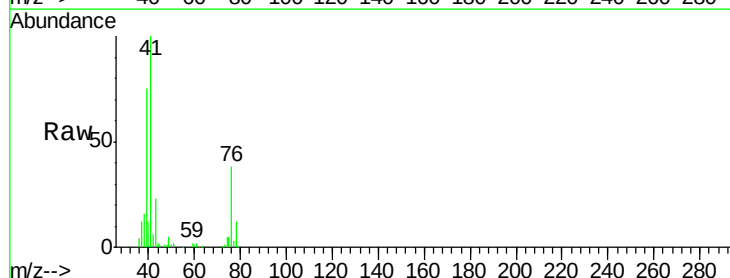
Tgt Ion: 41 Resp: 68100

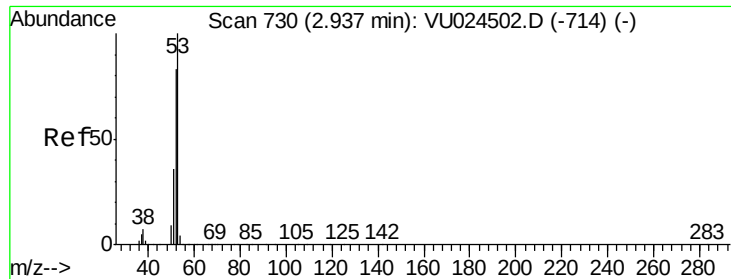
Ion Ratio Lower Upper

41 100

39 78.4 61.6 92.4

76 37.6 29.7 44.5





#15

Acrylonitrile

Concen: 105.804 ug/l

RT: 2.94 min Scan# 730

Delta R.T. 0.00 min

Lab File: VU024931.D

Acq: 26 Jun 2018 19:55

Instrument :

MSVOA_U

ClientSampleId :

VU0627MBSD01

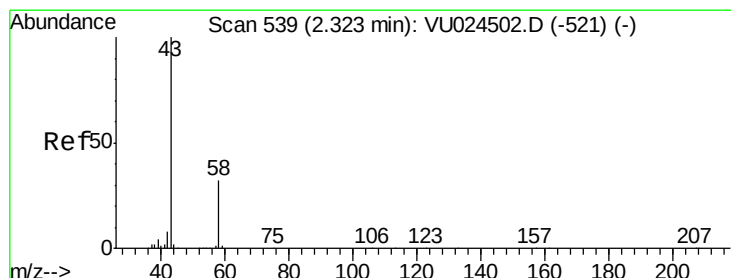
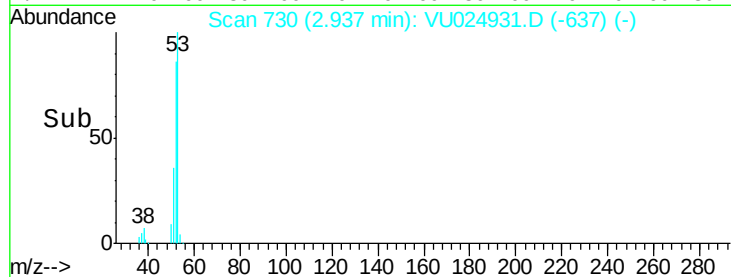
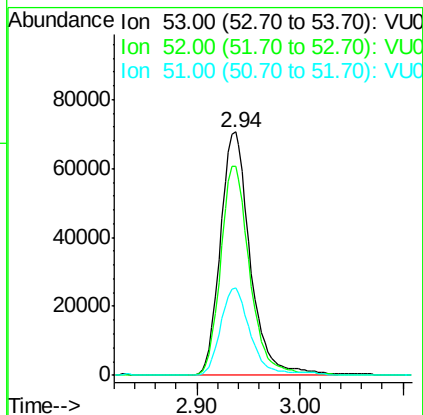
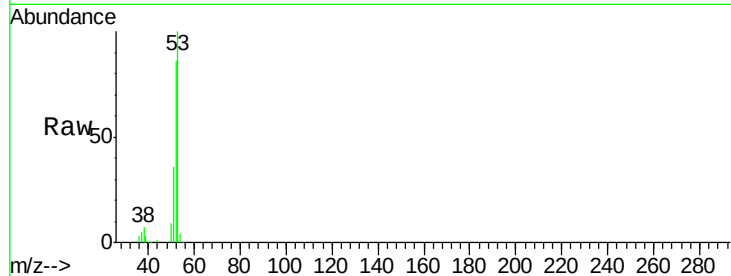
Tgt Ion: 53 Resp: 142278

Ion Ratio Lower Upper

53 100

52 83.2 67.1 100.7

51 35.2 28.4 42.6



#16

Acetone

Concen: 104.571 ug/l

RT: 2.32 min Scan# 538

Delta R.T. -0.00 min

Lab File: VU024931.D

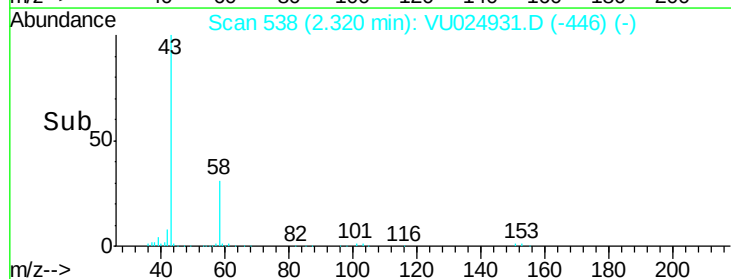
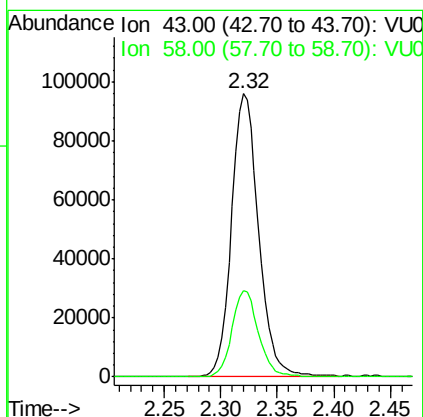
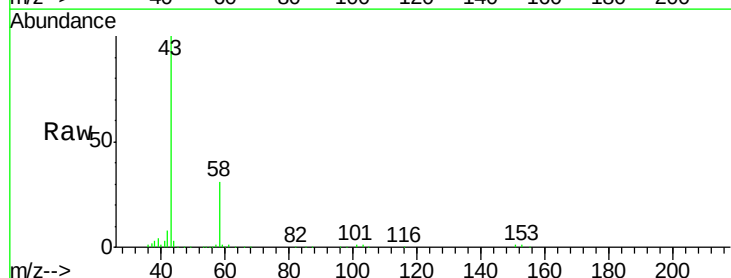
Acq: 26 Jun 2018 19:55

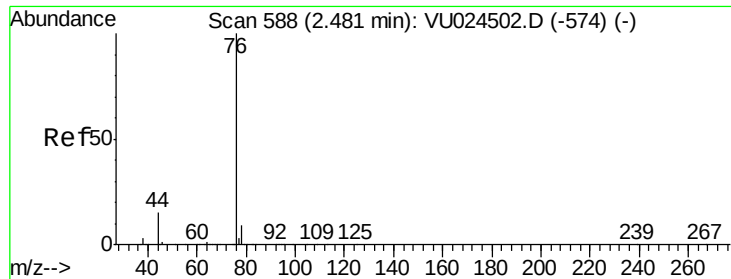
Tgt Ion: 43 Resp: 159670

Ion Ratio Lower Upper

43 100

58 30.8 24.4 36.6





#17

Carbon Disulfide

Concen: 15.558 ug/l

RT: 2.48 min Scan# 588

Delta R.T. 0.00 min

Lab File: VU024931.D

Acq: 26 Jun 2018 19:55

Instrument :

MSVOA_U

ClientSampleId :

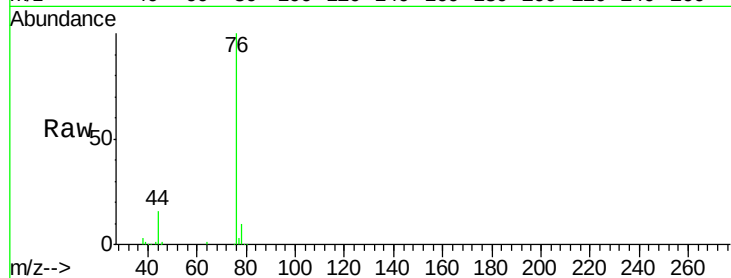
VU0627MBSD01

Tgt Ion: 76 Resp: 98742

Ion Ratio Lower Upper

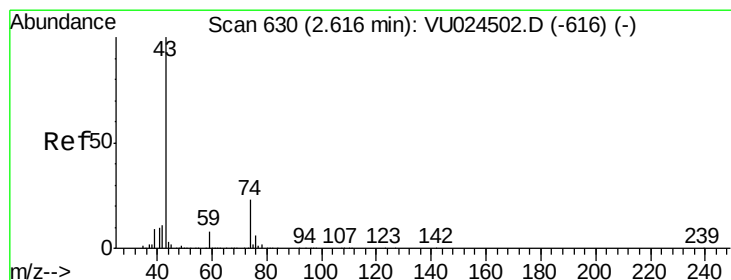
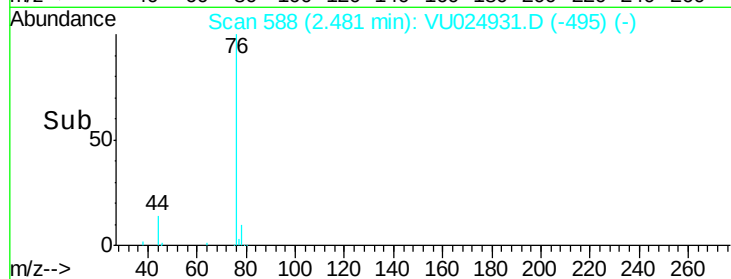
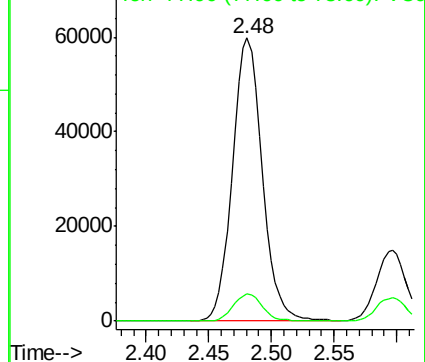
76 100

78 9.6 7.1 10.7



Abundance Ion 75.90 (75.60 to 76.60): VU0

Ion 77.90 (77.60 to 78.60): VU0



#18

Methyl Acetate

Concen: 23.730 ug/l

RT: 2.62 min Scan# 630

Delta R.T. 0.00 min

Lab File: VU024931.D

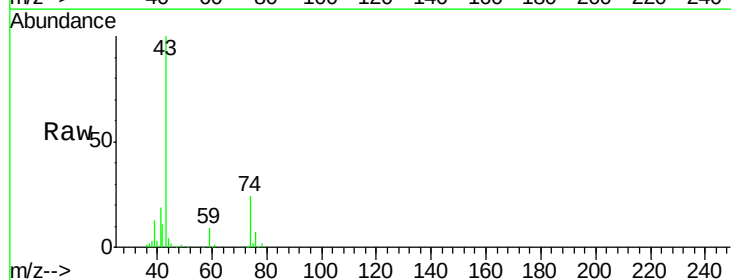
Acq: 26 Jun 2018 19:55

Tgt Ion: 43 Resp: 77676

Ion Ratio Lower Upper

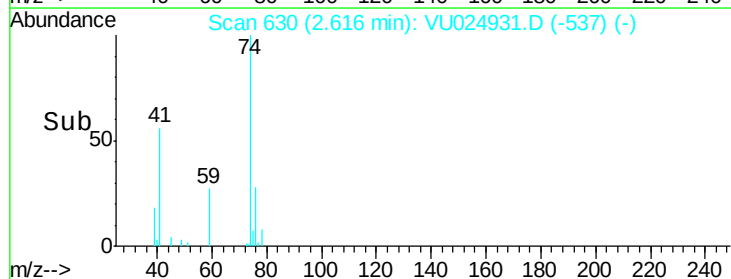
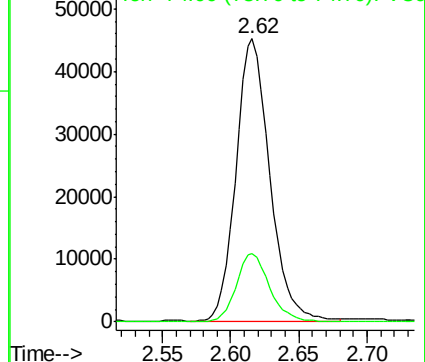
43 100

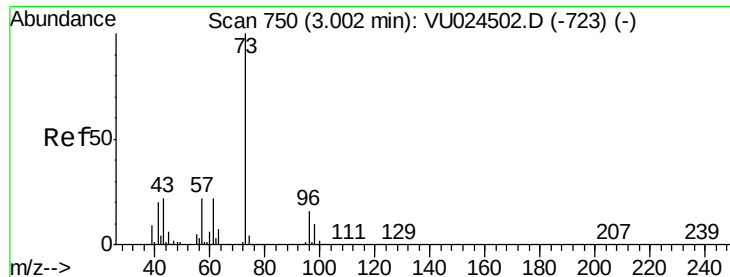
74 23.9 18.0 27.0



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 74.00 (73.70 to 74.70): VU0





#19

Methyl tert-butyl Ether

Concen: 21.103 ug/l

RT: 3.00 min Scan# 749

Delta R.T. -0.00 min

Lab File: VU024931.D

Acq: 26 Jun 2018 19:55

Instrument :

MSVOA_U

ClientSampleId :

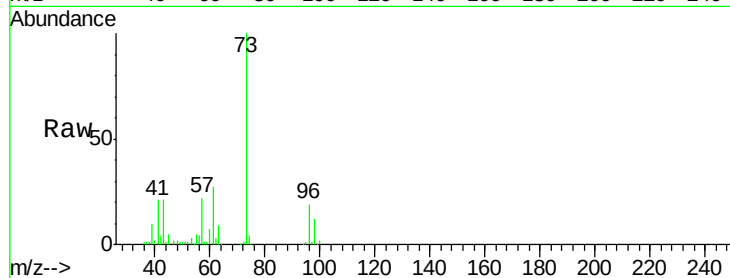
VU0627MBSD01

Tgt Ion: 73 Resp: 157231

Ion Ratio Lower Upper

73 100

57 21.7 18.8 28.2



Abundance Ion 73.00 (72.70 to 73.70): VU024502.D (-723) (-)

Ion 57.00 (56.70 to 57.70): VU024502.D (-723) (-)

3.00

80000

60000

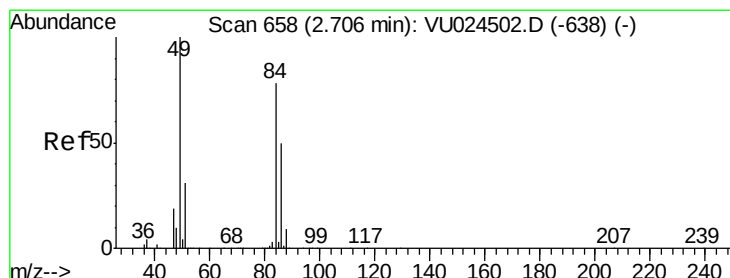
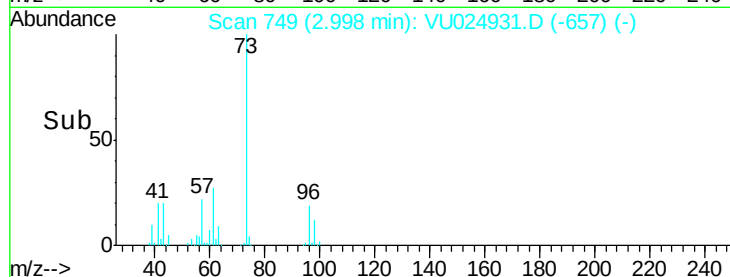
40000

20000

0

Time-->

2.90 3.00 3.10



#20

Methylene Chloride

Concen: 20.661 ug/l

RT: 2.70 min Scan# 657

Delta R.T. -0.00 min

Lab File: VU024931.D

Acq: 26 Jun 2018 19:55

Tgt Ion: 84 Resp: 49501

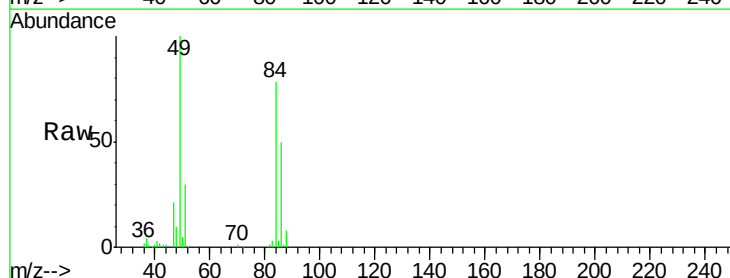
Ion Ratio Lower Upper

84 100

49 127.6 103.8 155.8

51 38.6 32.0 48.0

86 63.8 51.6 77.4



Abundance Ion 83.90 (83.60 to 84.60): VU024502.D (-638) (-)

Ion 48.90 (48.60 to 49.60): VU024502.D (-638) (-)

Ion 50.90 (50.60 to 51.60): VU024502.D (-638) (-)

Ion 85.90 (85.60 to 86.60): VU024502.D (-638) (-)

50000

40000

30000

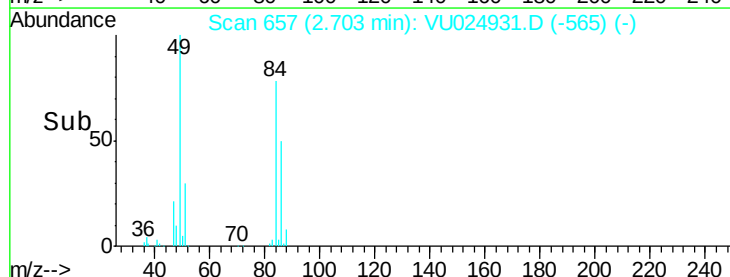
20000

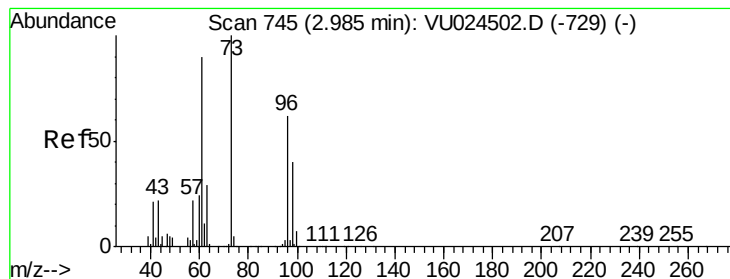
10000

0

Time-->

2.65 2.70 2.75 2.80





#21

trans-1,2-Dichloroethene

Concen: 19.087 ug/l

RT: 2.99 min Scan# 745

Delta R.T. 0.00 min

Lab File: VU024931.D

Acq: 26 Jun 2018 19:55

Instrument :

MSVOA_U

ClientSampleId :

VU0627MBSD01

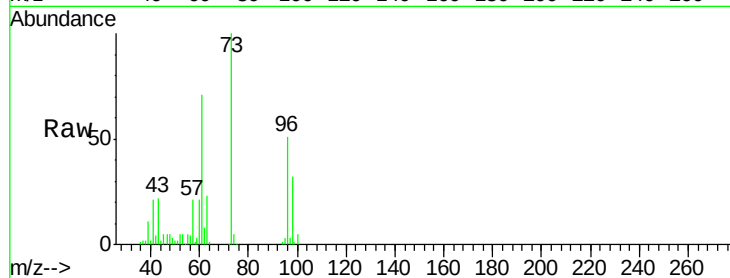
Tgt Ion: 96 Resp: 41668

Ion Ratio Lower Upper

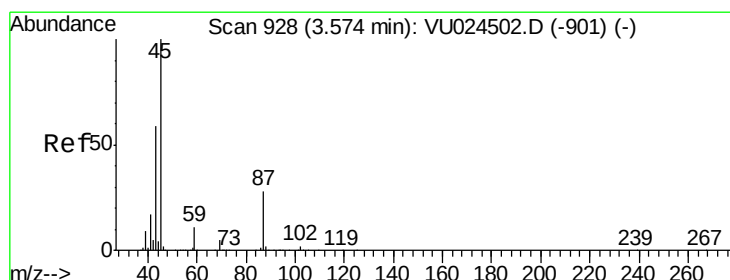
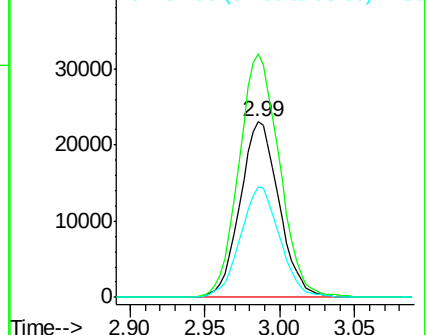
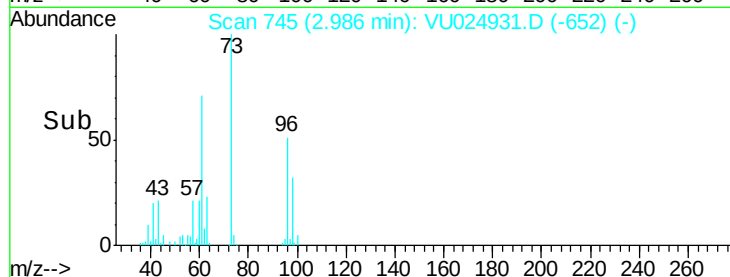
96 100

61 138.6 119.4 179.0

98 62.7 51.1 76.7



Abundance Ion 95.90 (95.60 to 96.60): VU024931.D (-652) (-)



#22

Diisopropyl ether

Concen: 20.310 ug/l

RT: 3.57 min Scan# 928

Delta R.T. 0.00 min

Lab File: VU024931.D

Acq: 26 Jun 2018 19:55

Tgt Ion: 45 Resp: 148174

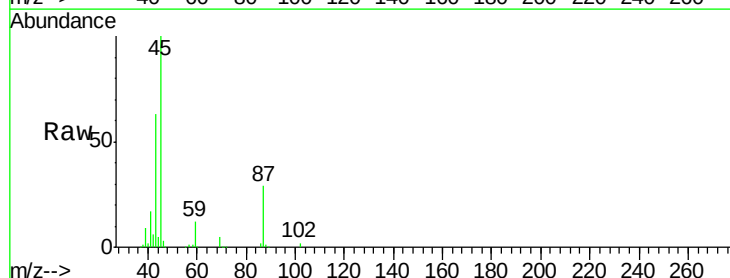
Ion Ratio Lower Upper

45 100

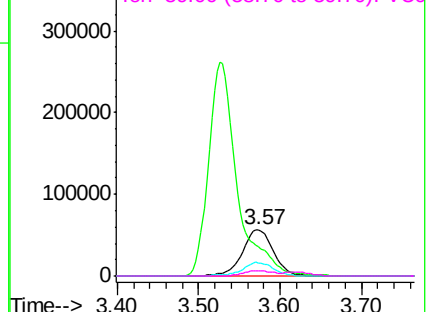
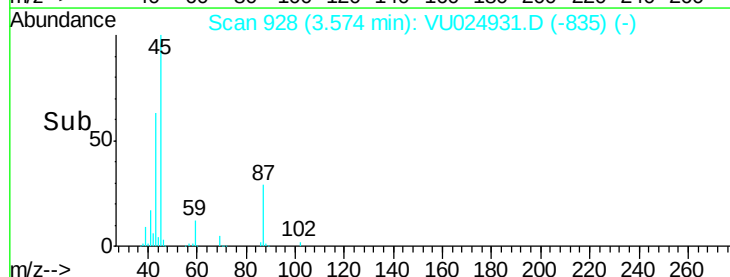
43 61.6 45.8 68.6

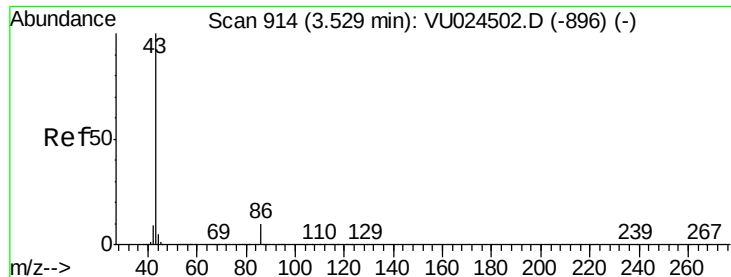
87 28.8 20.6 31.0

59 11.6 9.4 14.0



Abundance Ion 45.00 (44.70 to 45.70): VU024931.D (-835) (-)





#23

Vinyl Acetate

Concen: 98.403 ug/l

RT: 3.53 min Scan# 913

Delta R.T. -0.00 min

Lab File: VU024931.D

Acq: 26 Jun 2018 19:55

Instrument :

MSVOA_U

ClientSampleId :

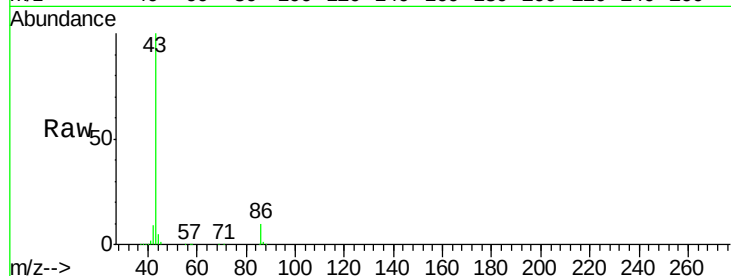
VU0627MBSD01

Tgt Ion: 43 Resp: 643096

Ion Ratio Lower Upper

43 100

86 9.9 7.8 11.8



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 86.00 (85.70 to 86.70): VU0

3.53

250000

200000

150000

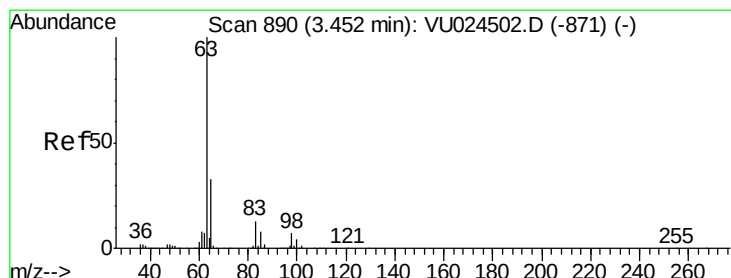
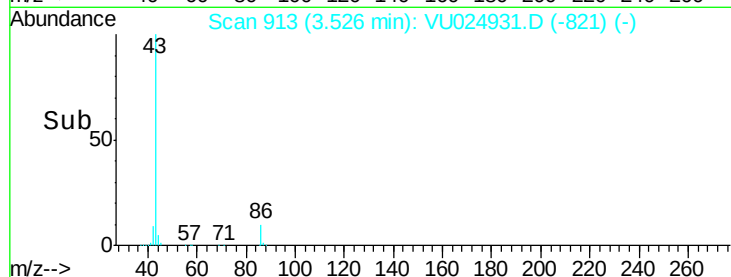
100000

50000

0

Time-->

3.40 3.50 3.60 3.70



#24

1,1-Dichloroethane

Concen: 20.160 ug/l

RT: 3.45 min Scan# 889

Delta R.T. -0.00 min

Lab File: VU024931.D

Acq: 26 Jun 2018 19:55

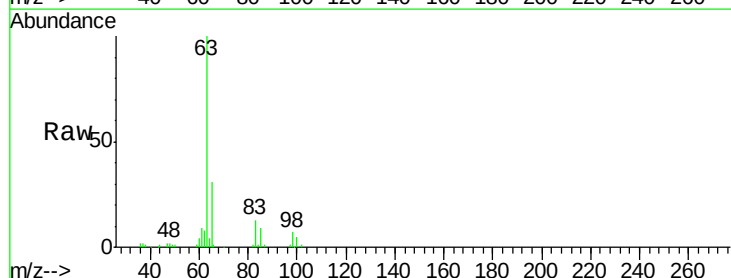
Tgt Ion: 63 Resp: 84611

Ion Ratio Lower Upper

63 100

98 6.9 3.5 10.4

100 4.6 1.8 5.5



Abundance Ion 62.90 (62.60 to 63.60): VU0

Ion 97.90 (97.60 to 98.60): VU0

Ion 99.90 (99.60 to 100.60): VU0

3.45

40000

30000

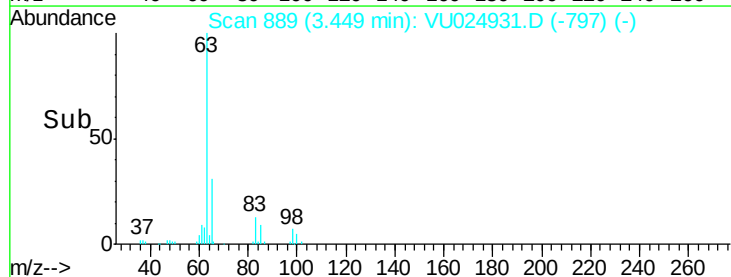
20000

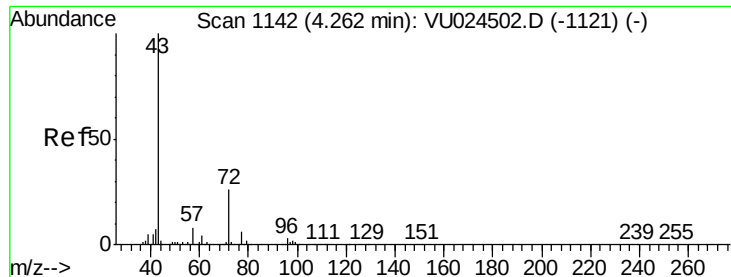
10000

0

Time-->

3.35 3.40 3.45 3.50 3.55

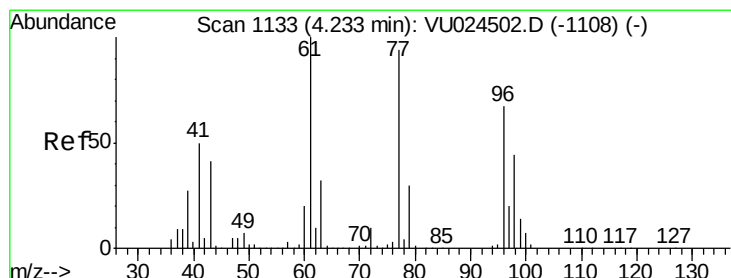
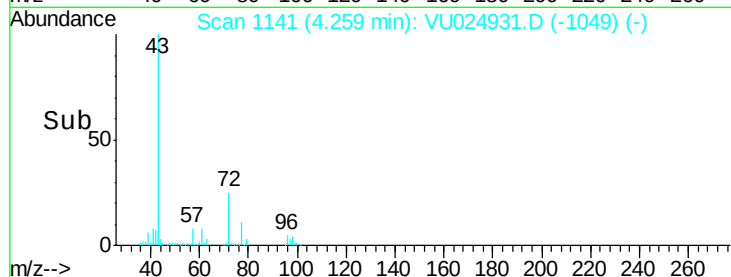
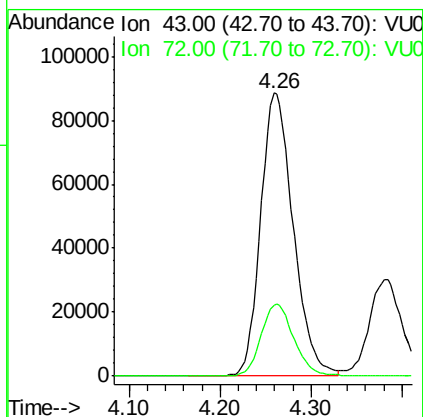
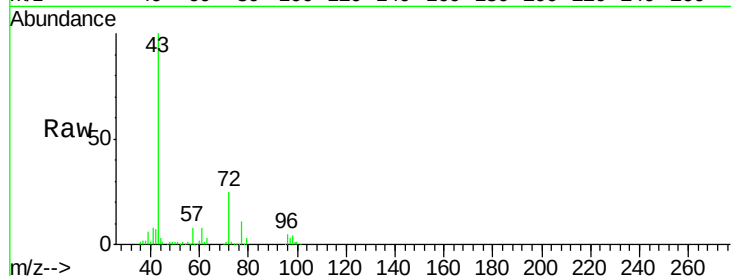




#25
 2-Butanone
 Concen: 106.956 ug/l
 RT: 4.26 min Scan# 1141
 Delta R.T. -0.00 min
 Lab File: VU024931.D
 Acq: 26 Jun 2018 19:55

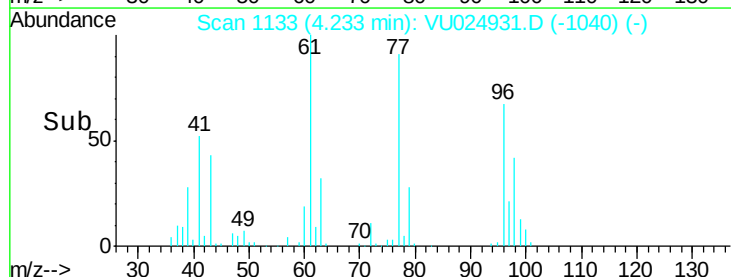
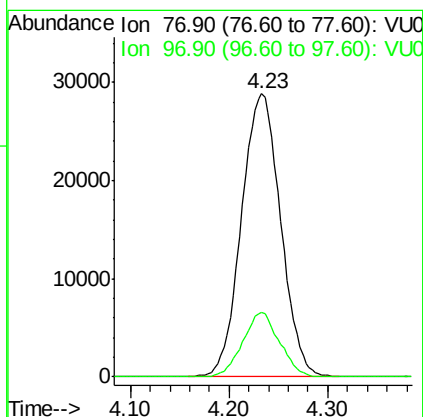
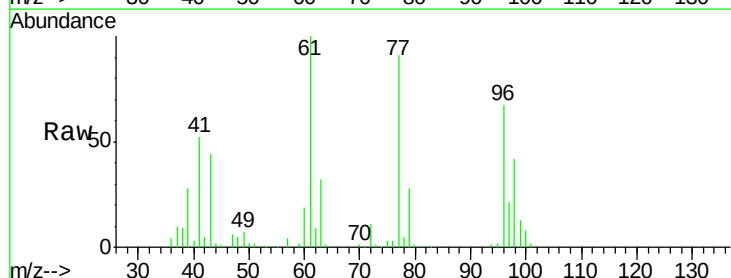
Instrument :
 MSVOA_U
 ClientSampleId :
 VU0627MBSD01

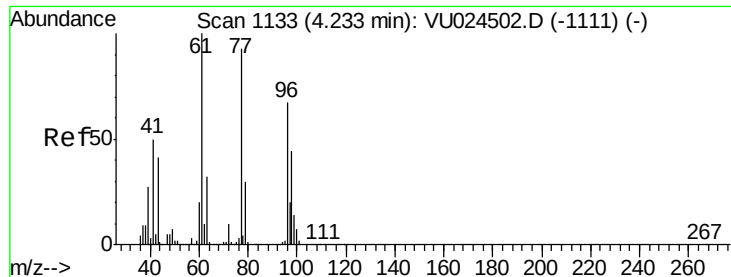
Tgt Ion: 43 Resp: 219366
 Ion Ratio Lower Upper
 43 100
 72 24.9 19.6 29.4



#26
 2,2-Dichloropropane
 Concen: 19.866 ug/l
 RT: 4.23 min Scan# 1133
 Delta R.T. 0.00 min
 Lab File: VU024931.D
 Acq: 26 Jun 2018 19:55

Tgt Ion: 77 Resp: 79169
 Ion Ratio Lower Upper
 77 100
 97 21.3 11.3 33.8





#27

cis-1,2-Dichloroethene

Concen: 20.403 ug/l

RT: 4.23 min Scan# 1133

Delta R.T. 0.00 min

Lab File: VU024931.D

Acq: 26 Jun 2018 19:55

Instrument :

MSVOA_U

ClientSampleId :

VU0627MBSD01

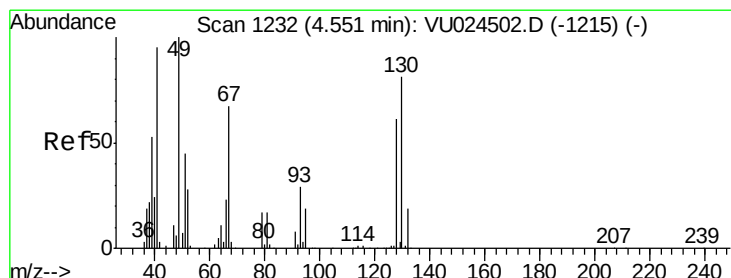
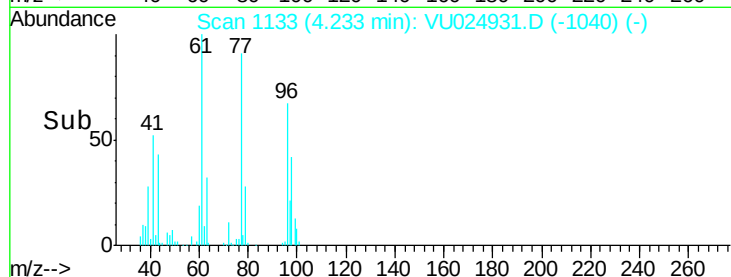
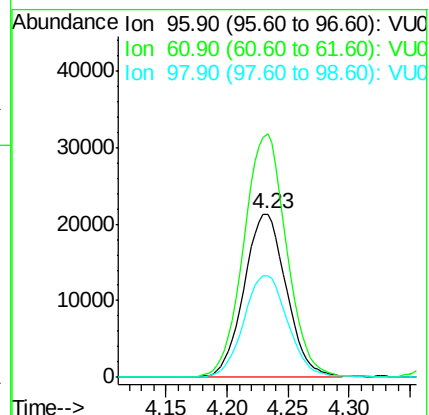
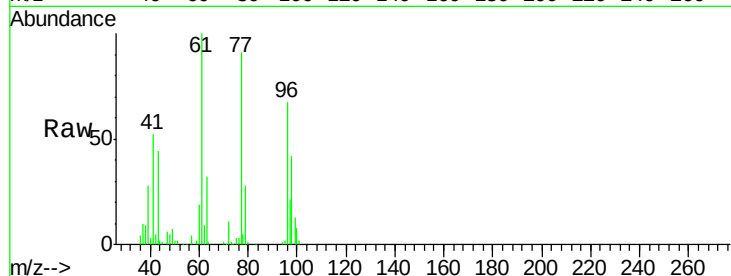
Tgt Ion: 96 Resp: 51208

Ion Ratio Lower Upper

96 100

61 151.2 0.0 306.6

98 65.0 0.0 128.8



#28

Bromochloromethane

Concen: 20.817 ug/l

RT: 4.55 min Scan# 1232

Delta R.T. 0.00 min

Lab File: VU024931.D

Acq: 26 Jun 2018 19:55

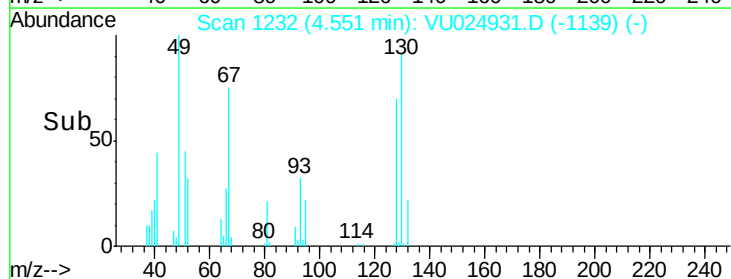
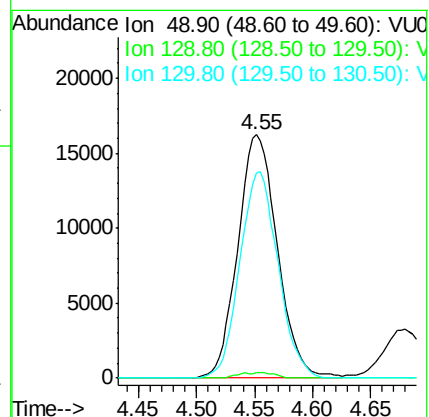
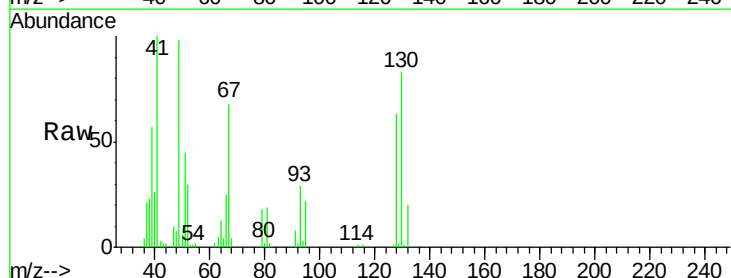
Tgt Ion: 49 Resp: 38482

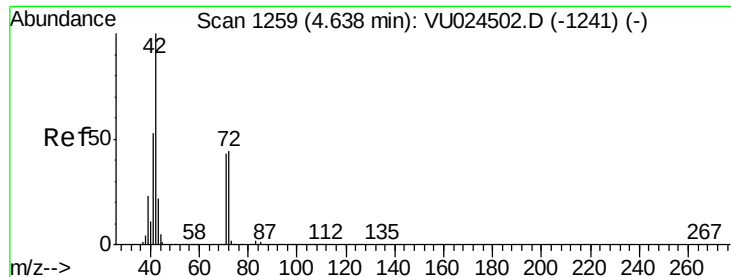
Ion Ratio Lower Upper

49 100

129 2.0 0.0 3.8

130 82.0 57.8 86.6





#29

Tetrahydrofuran

Concen: 104.504 ug/l

RT: 4.63 min Scan# 1258

Delta R.T. -0.00 min

Lab File: VU024931.D

Acq: 26 Jun 2018 19:55

Instrument :

MSVOA_U

ClientSampleId :

VU0627MBSD01

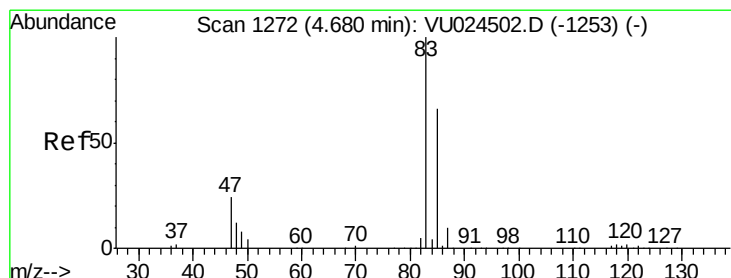
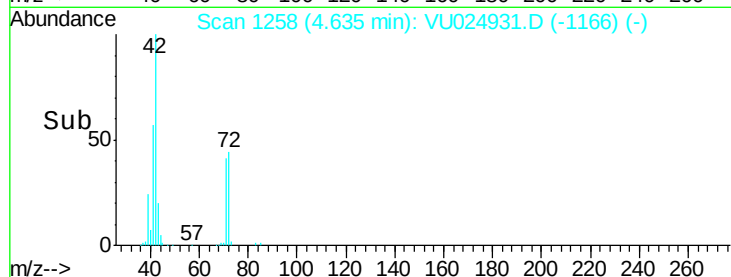
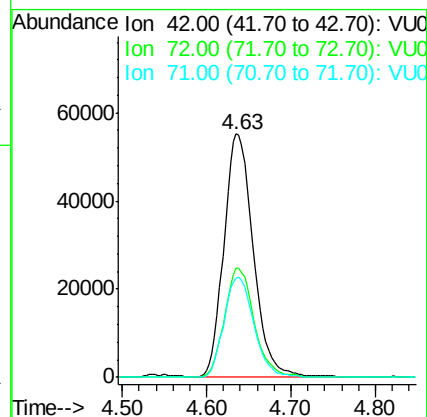
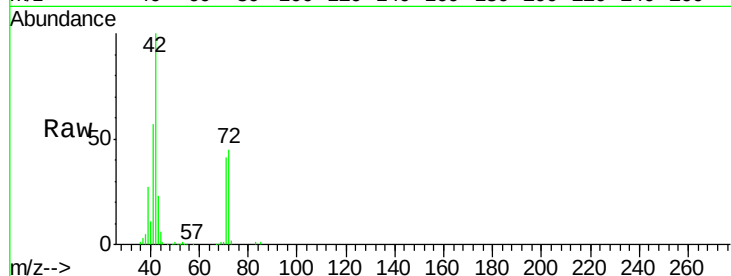
Tgt Ion: 42 Resp: 132732

Ion Ratio Lower Upper

42 100

72 45.7 34.5 51.7

71 42.0 32.2 48.4



#30

Chloroform

Concen: 20.836 ug/l

RT: 4.68 min Scan# 1271

Delta R.T. -0.00 min

Lab File: VU024931.D

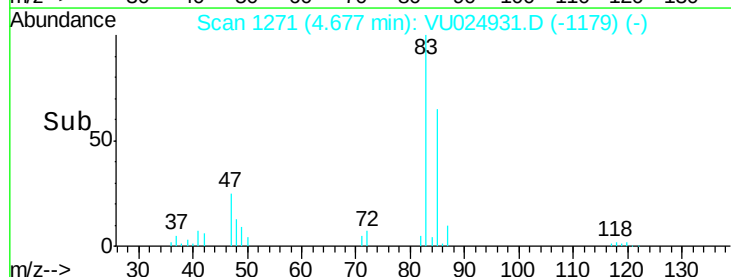
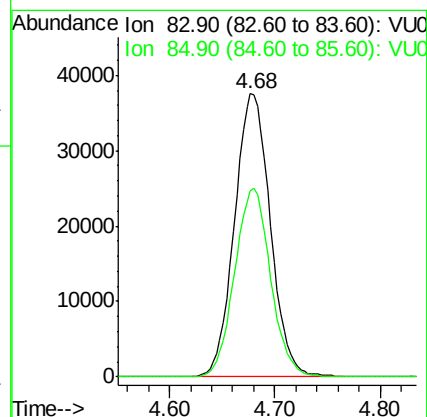
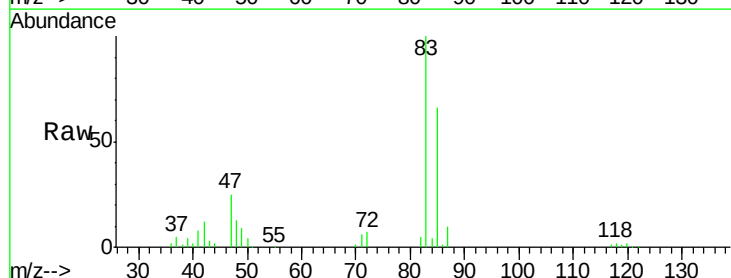
Acq: 26 Jun 2018 19:55

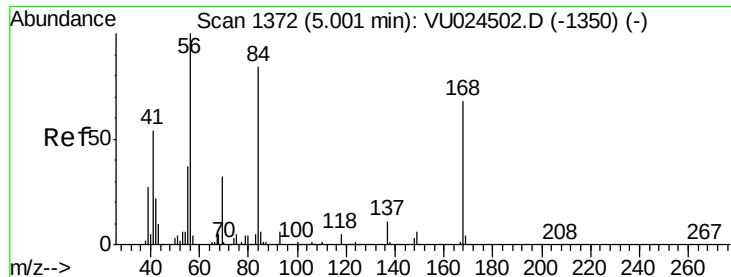
Tgt Ion: 83 Resp: 88511

Ion Ratio Lower Upper

83 100

85 65.7 52.4 78.6

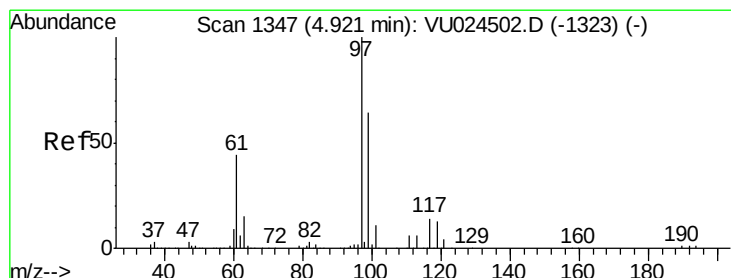
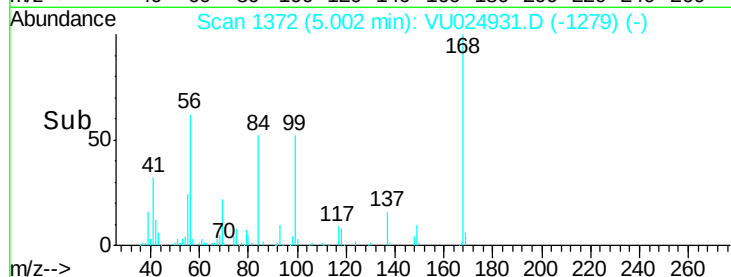
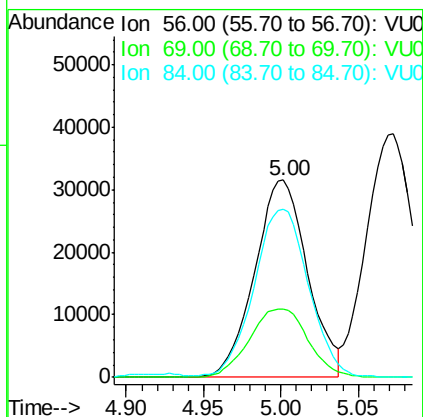
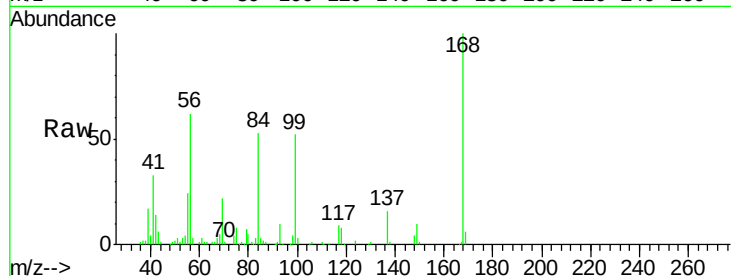




#31
Cyclohexane
Concen: 18.924 ug/l
RT: 5.00 min Scan# 1372
Delta R.T. 0.00 min
Lab File: VU024931.D
Acq: 26 Jun 2018 19:55

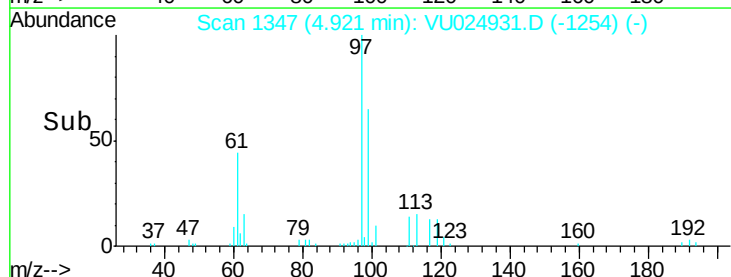
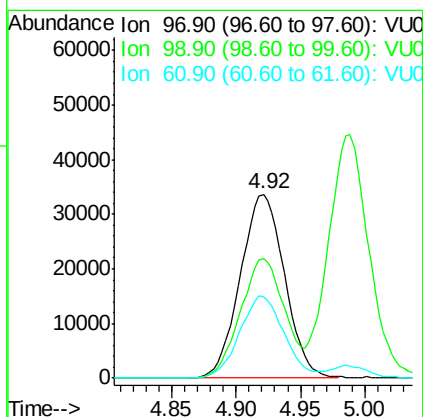
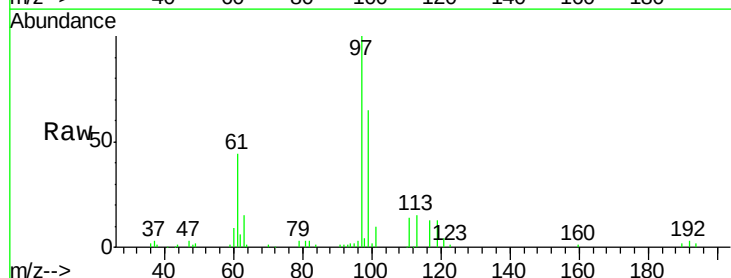
Instrument :
MSVOA_U
ClientSampleId :
VU0627MBSD01

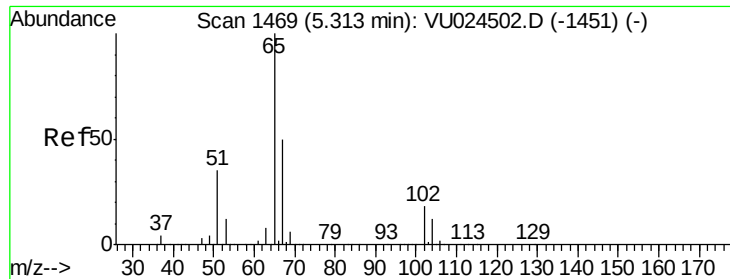
Tgt Ion: 56 Resp: 75103
Ion Ratio Lower Upper
56 100
69 34.7 24.8 37.2
84 84.7 65.2 97.8



#32
1,1,1-Trichloroethane
Concen: 20.507 ug/l
RT: 4.92 min Scan# 1347
Delta R.T. 0.00 min
Lab File: VU024931.D
Acq: 26 Jun 2018 19:55

Tgt Ion: 97 Resp: 80556
Ion Ratio Lower Upper
97 100
99 65.8 51.0 76.6
61 44.8 39.4 59.0

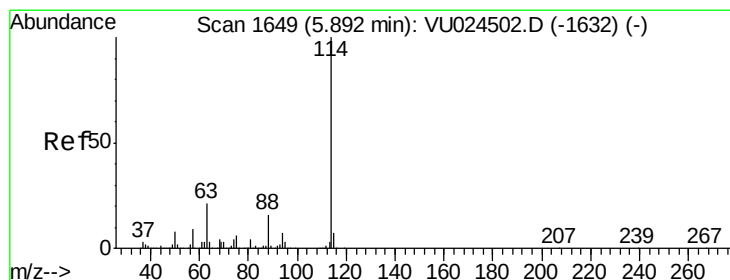
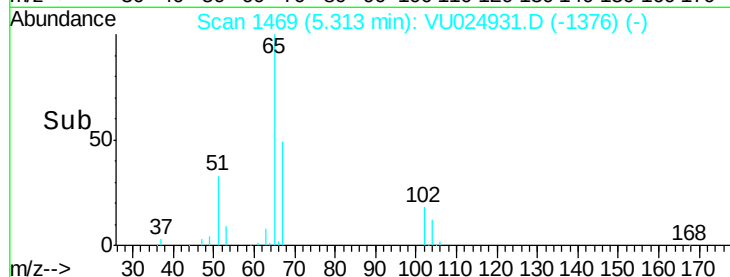
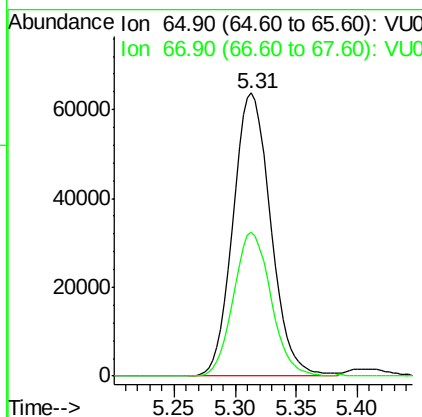
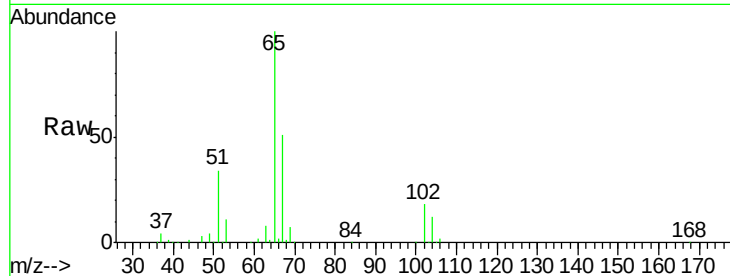




#33
 1,2-Dichloroethane-d4
 Concen: 48.103 ug/l
 RT: 5.31 min Scan# 1469
 Delta R.T. 0.00 min
 Lab File: VU024931.D
 Acq: 26 Jun 2018 19:55

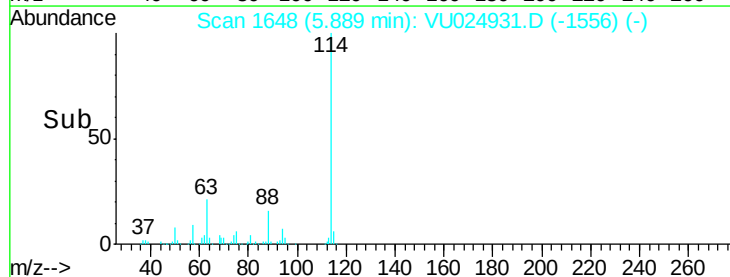
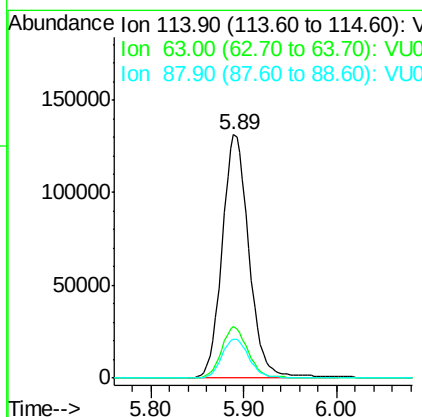
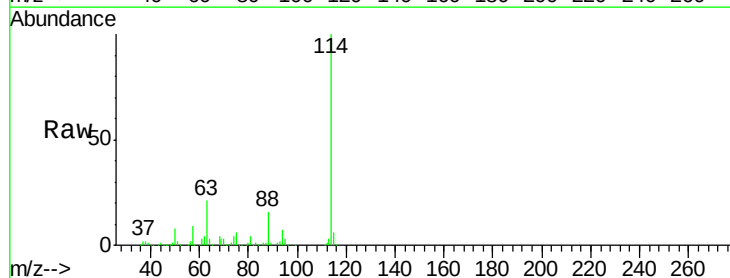
Instrument :
 MSVOA_U
 ClientSampleId :
 VU0627MBSD01

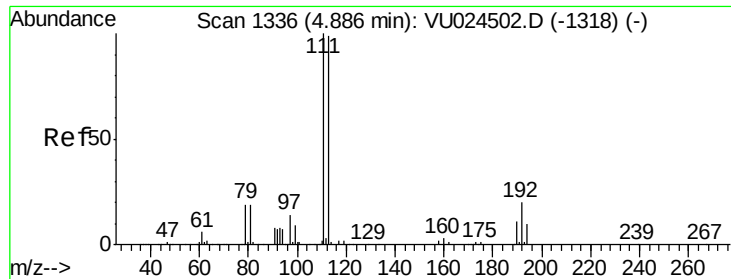
Tgt Ion: 65 Resp: 136701
 Ion Ratio Lower Upper
 65 100
 67 50.5 0.0 107.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.89 min Scan# 1648
 Delta R.T. -0.00 min
 Lab File: VU024931.D
 Acq: 26 Jun 2018 19:55

Tgt Ion: 114 Resp: 264494
 Ion Ratio Lower Upper
 114 100
 63 21.0 0.0 45.4
 88 16.2 0.0 31.0





#35

Dibromofluoromethane

Concen: 49.241 ug/l

RT: 4.89 min Scan# 1336

Delta R.T. 0.00 min

Lab File: VU024931.D

Acq: 26 Jun 2018 19:55

Instrument :

MSVOA_U

ClientSampleId :

VU0627MBSD01

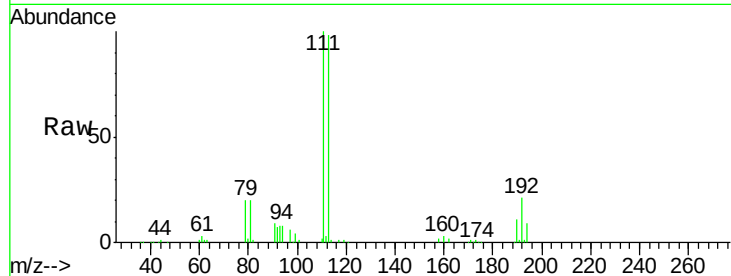
Tgt Ion:113 Resp: 108088

Ion Ratio Lower Upper

113 100

111 102.5 82.2 123.4

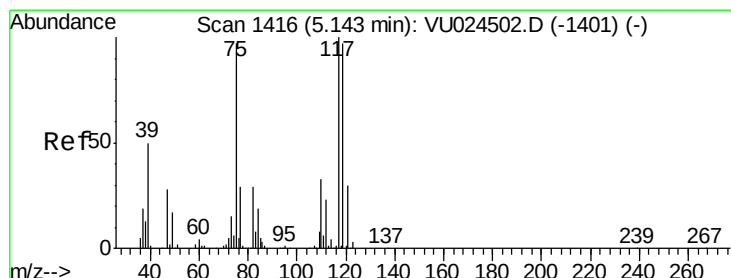
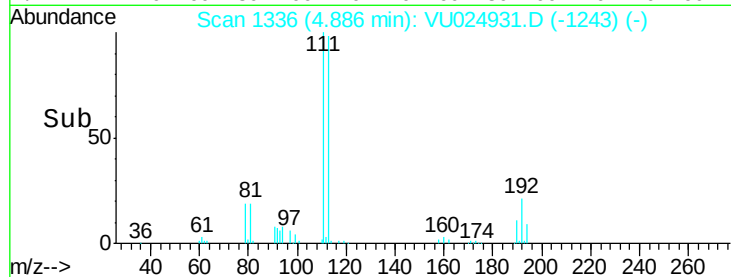
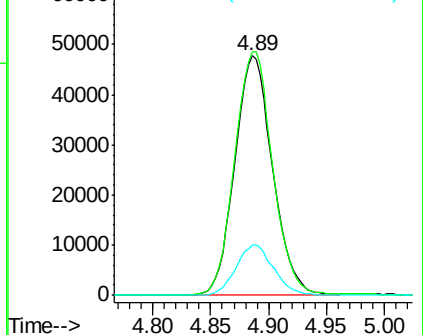
192 21.0 16.2 24.4



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 19.285 ug/l

RT: 5.14 min Scan# 1416

Delta R.T. 0.00 min

Lab File: VU024931.D

Acq: 26 Jun 2018 19:55

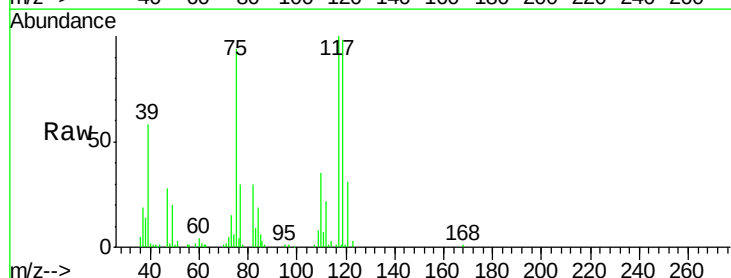
Tgt Ion: 75 Resp: 59937

Ion Ratio Lower Upper

75 100

110 36.1 17.0 50.9

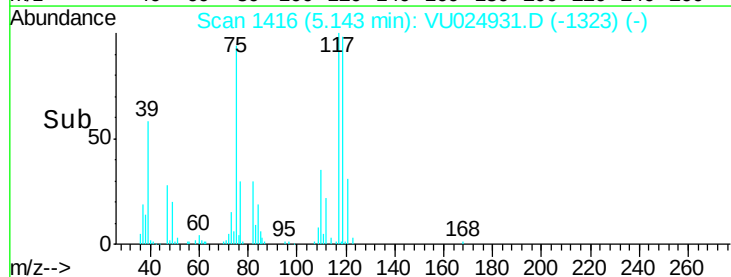
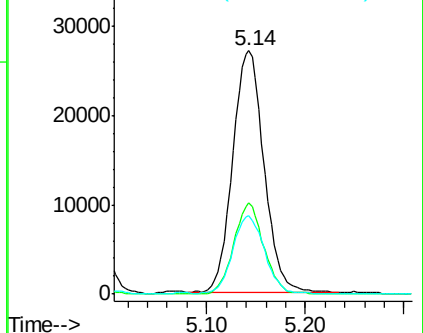
77 33.1 24.2 36.4

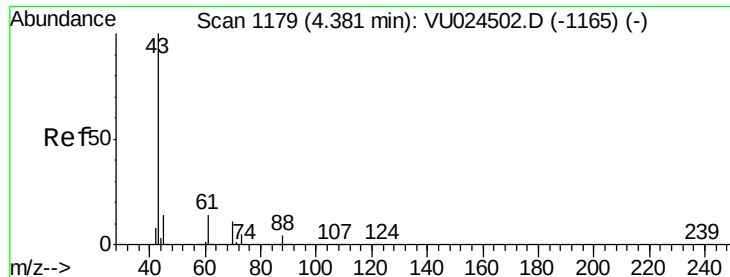


Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VU0

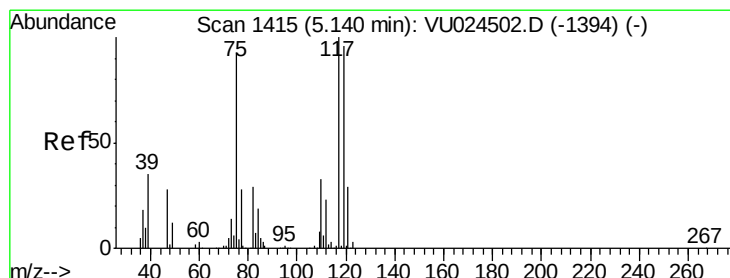
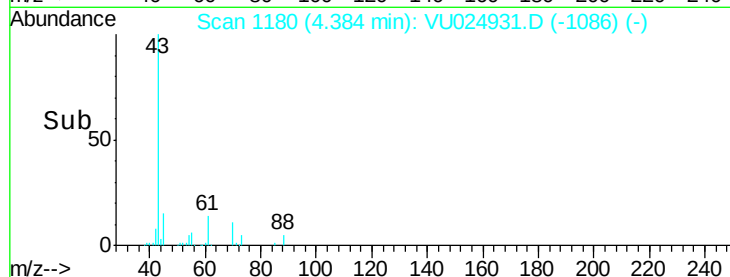
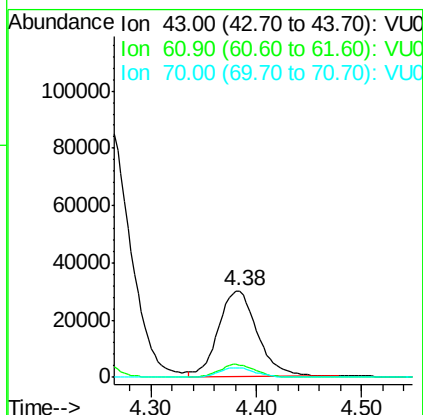
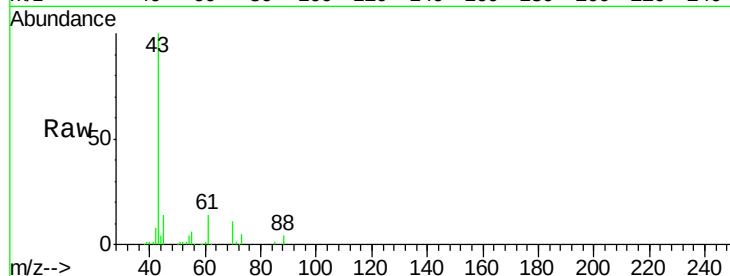




#37
Ethyl Acetate
Concen: 22.481 ug/l
RT: 4.38 min Scan# 1180
Delta R.T. 0.00 min
Lab File: VU024931.D
Acq: 26 Jun 2018 19:55

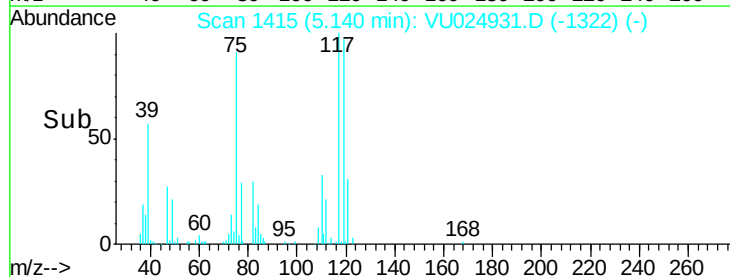
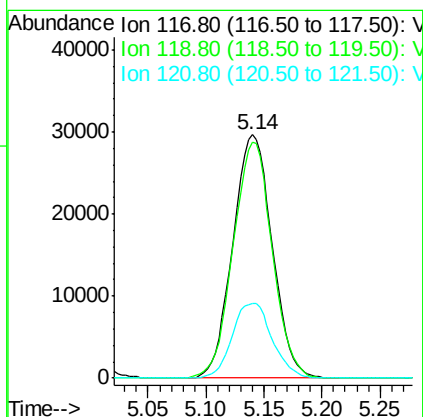
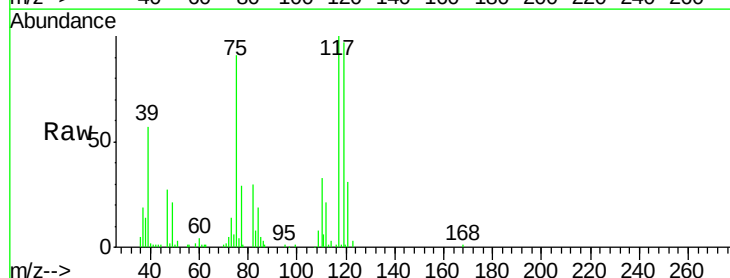
Instrument :
MSVOA_U
ClientSampleId :
VU0627MBSD01

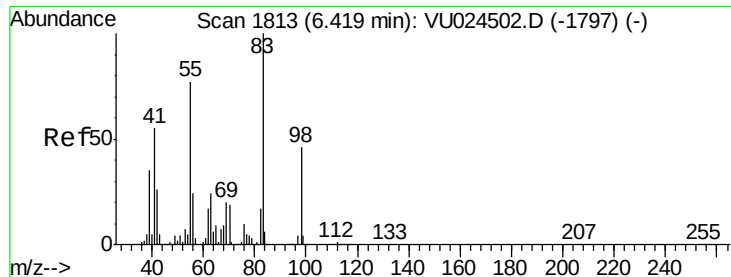
Tgt Ion: 43 Resp: 76156
Ion Ratio Lower Upper
43 100
61 14.3 10.5 15.7
70 11.0 7.4 11.2



#38
Carbon Tetrachloride
Concen: 20.449 ug/l
RT: 5.14 min Scan# 1415
Delta R.T. 0.00 min
Lab File: VU024931.D
Acq: 26 Jun 2018 19:55

Tgt Ion: 117 Resp: 69889
Ion Ratio Lower Upper
117 100
119 96.9 76.1 114.1
121 30.8 23.7 35.5

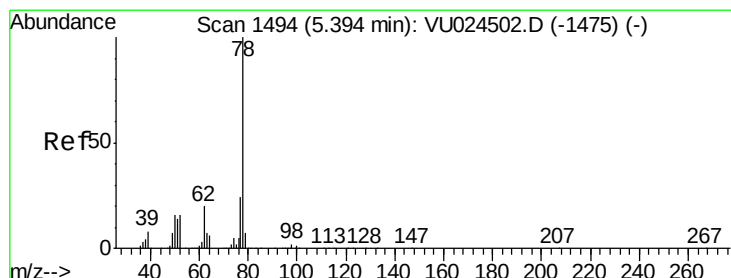
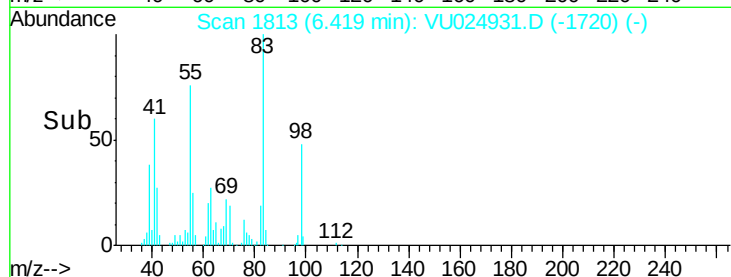
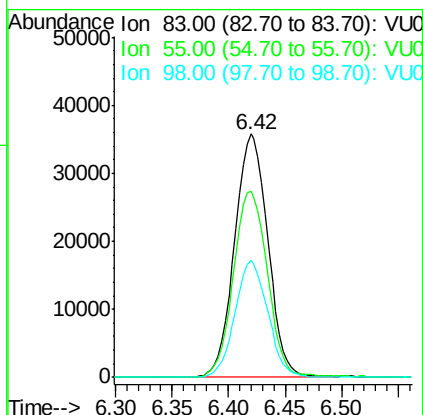
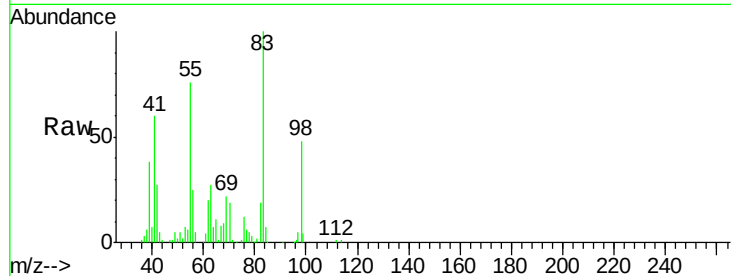




#39
Methylcyclohexane
Concen: 18.967 ug/l
RT: 6.42 min Scan# 1813
Delta R.T. 0.00 min
Lab File: VU024931.D
Acq: 26 Jun 2018 19:55

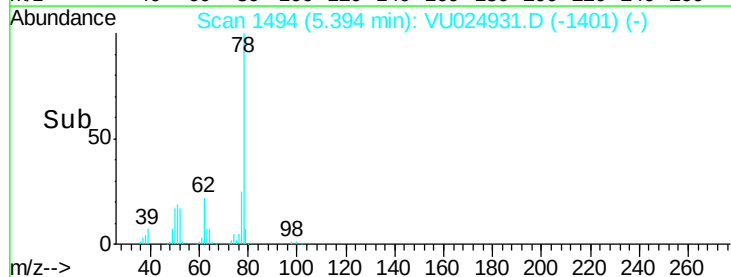
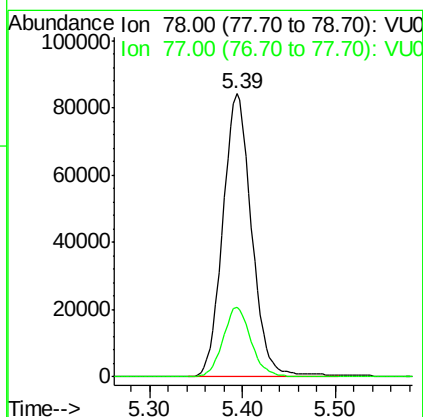
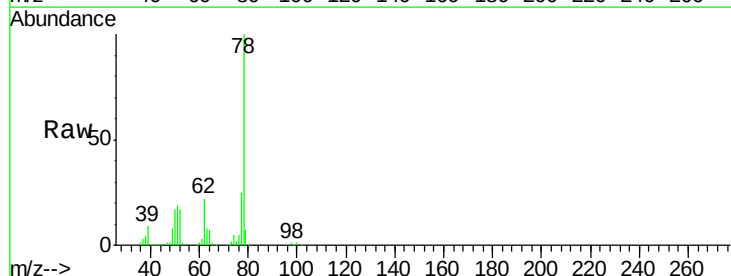
Instrument :
MSVOA_U
ClientSampleId :
VU0627MBSD01

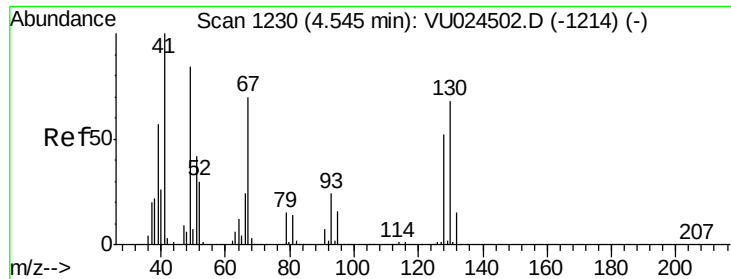
Tgt Ion: 83 Resp: 73564
Ion Ratio Lower Upper
83 100
55 76.5 65.8 98.6
98 48.0 36.7 55.1



#40
Benzene
Concen: 20.549 ug/l
RT: 5.39 min Scan# 1494
Delta R.T. 0.00 min
Lab File: VU024931.D
Acq: 26 Jun 2018 19:55

Tgt Ion: 78 Resp: 181985
Ion Ratio Lower Upper
78 100
77 24.8 19.2 28.8

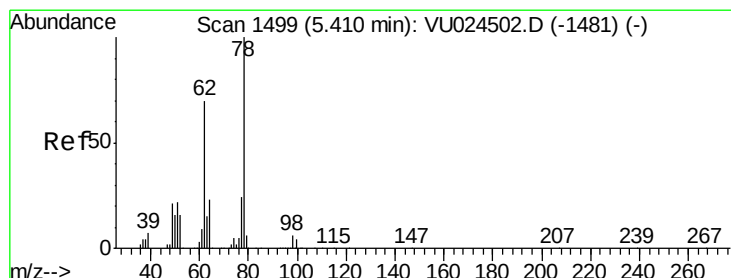
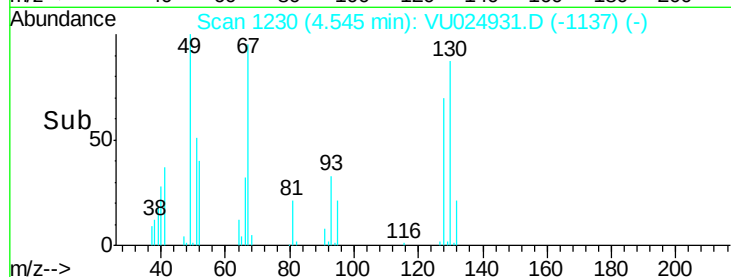
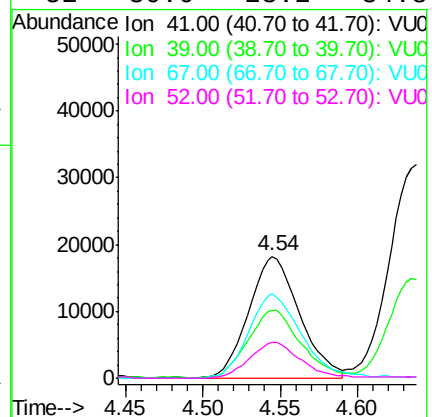
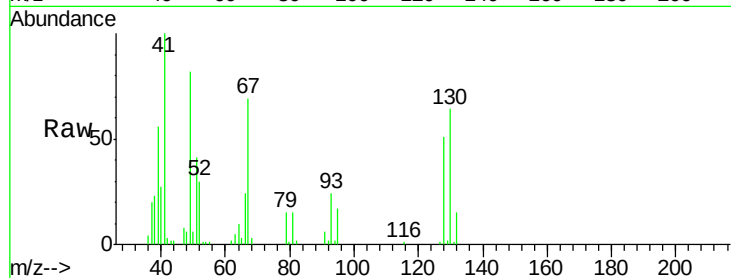




#41
Methacrylonitrile
Concen: 22.921 ug/l
RT: 4.54 min Scan# 1230
Delta R.T. 0.00 min
Lab File: VU024931.D
Acq: 26 Jun 2018 19:55

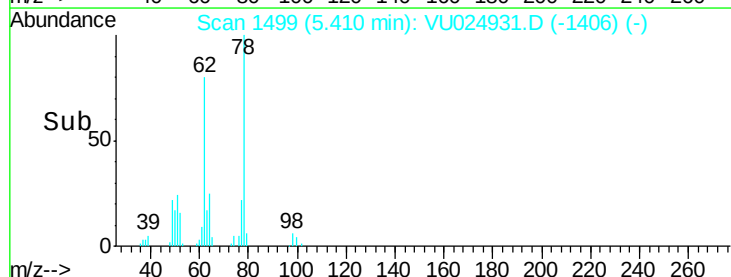
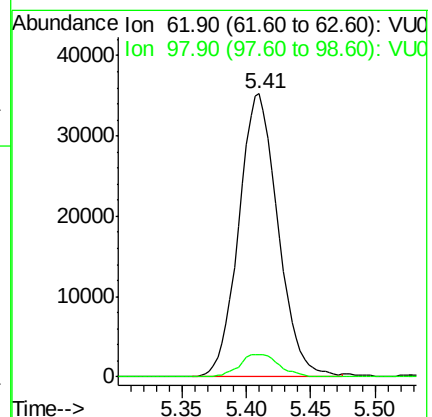
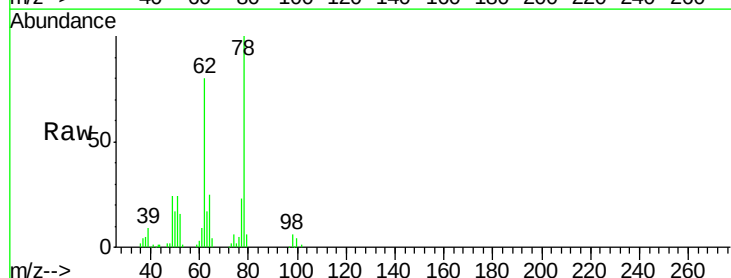
Instrument :
MSVOA_U
ClientSampleId :
VU0627MBSD01

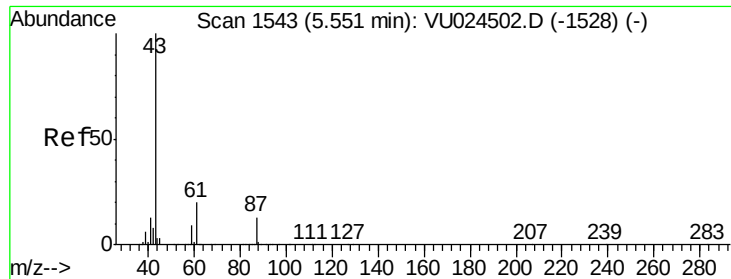
Tgt Ion:	41	Resp:	41863
Ion	Ratio	Lower	Upper
41	100		
39	58.1	43.8	65.6
67	71.5	56.3	84.5
52	30.0	23.2	34.8



#42
1,2-Dichloroethane
Concen: 22.175 ug/l
RT: 5.41 min Scan# 1499
Delta R.T. 0.00 min
Lab File: VU024931.D
Acq: 26 Jun 2018 19:55

Tgt Ion:	62	Resp:	74796
Ion	Ratio	Lower	Upper
62	100		
98	8.0	0.0	16.6

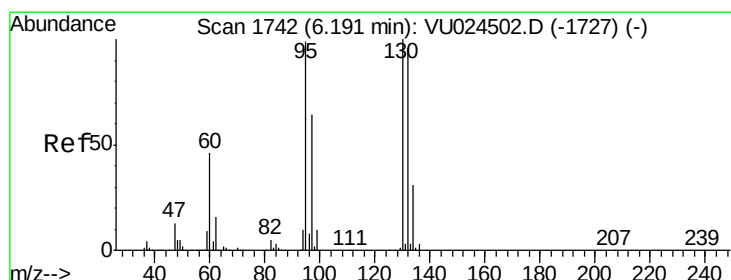
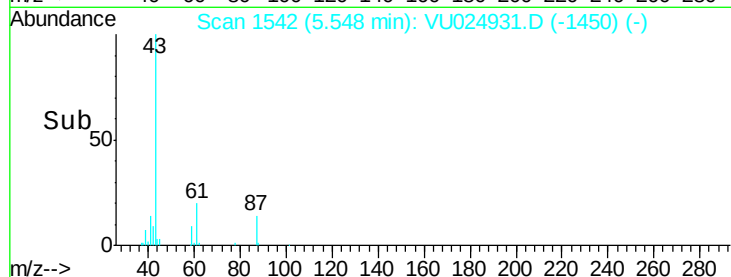
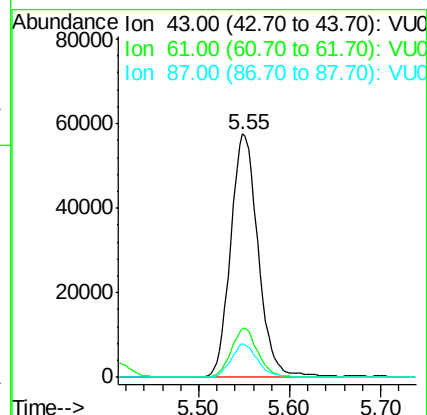
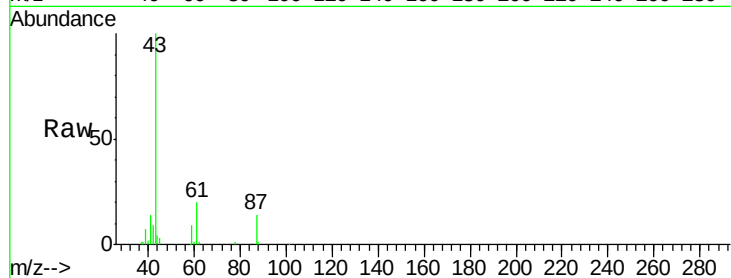




#43
Isopropyl Acetate
Concen: 20.681 ug/l
RT: 5.55 min Scan# 1542
Delta R.T. -0.00 min
Lab File: VU024931.D
Acq: 26 Jun 2018 19:55

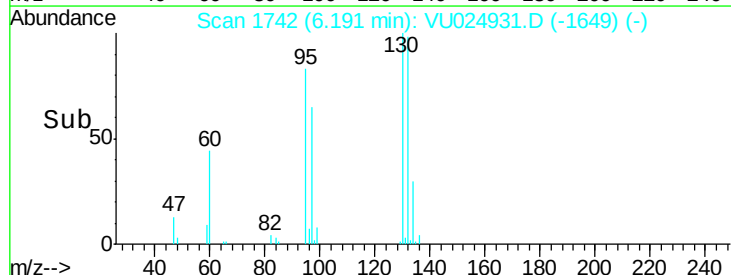
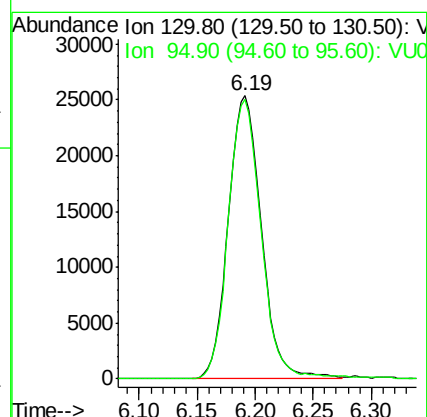
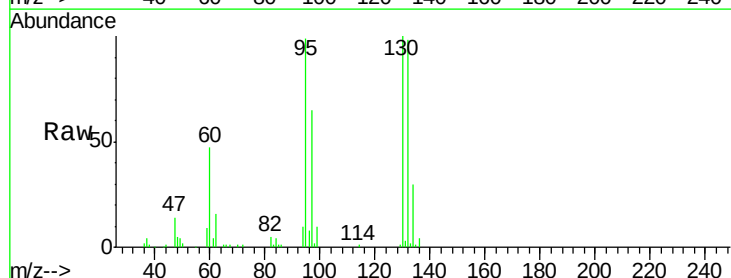
Instrument :
MSVOA_U
ClientSampleId :
VU0627MBSD01

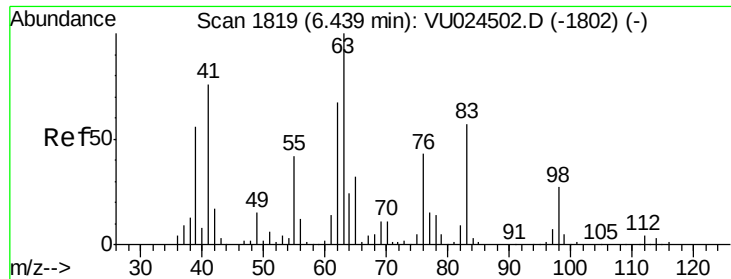
Tgt Ion: 43 Resp: 121094
Ion Ratio Lower Upper
43 100
61 19.4 15.4 23.0
87 13.3 10.0 15.0



#44
Trichloroethene
Concen: 19.895 ug/l
RT: 6.19 min Scan# 1742
Delta R.T. 0.00 min
Lab File: VU024931.D
Acq: 26 Jun 2018 19:55

Tgt Ion: 130 Resp: 50144
Ion Ratio Lower Upper
130 100
95 98.8 0.0 202.4

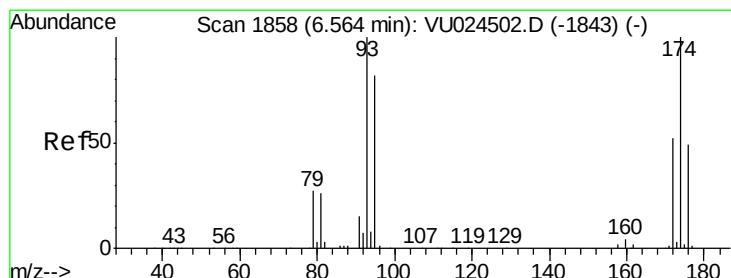
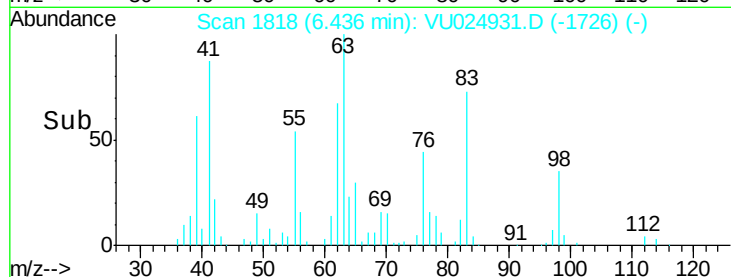
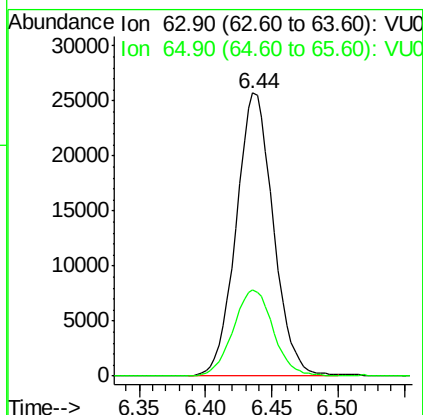
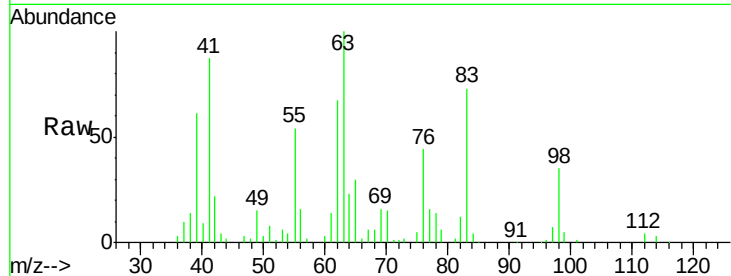




#45
 1,2-Dichloropropane
 Concen: 21.199 ug/l
 RT: 6.44 min Scan# 1819
 Delta R.T. -0.00 min
 Lab File: VU024931.D
 Acq: 26 Jun 2018 19:55

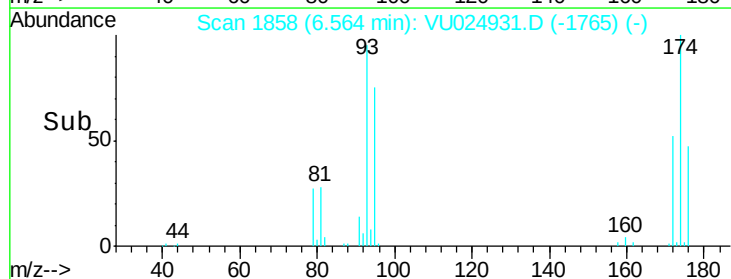
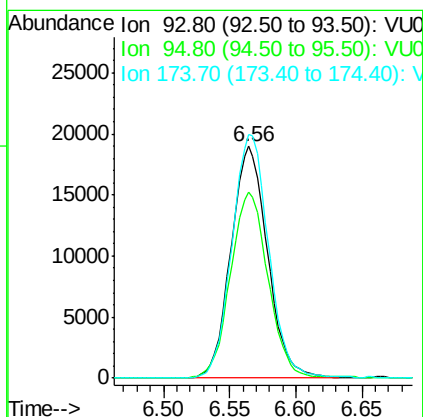
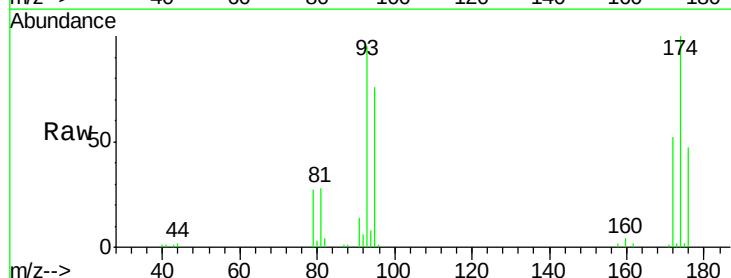
Instrument :
 MSVOA_U
 ClientSampleId :
 VU0627MBSD01

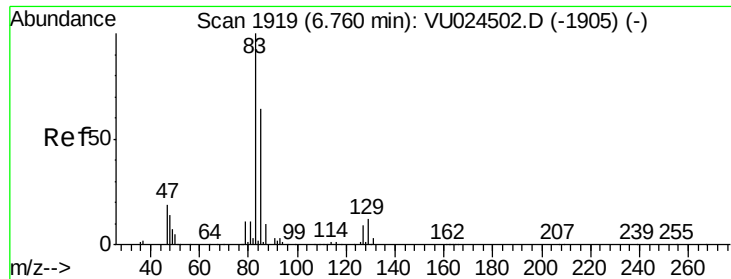
Tgt Ion: 63 Resp: 50094
 Ion Ratio Lower Upper
 63 100
 65 30.4 24.8 37.2



#46
 Dibromomethane
 Concen: 21.957 ug/l
 RT: 6.56 min Scan# 1858
 Delta R.T. 0.00 min
 Lab File: VU024931.D
 Acq: 26 Jun 2018 19:55

Tgt Ion: 93 Resp: 36444
 Ion Ratio Lower Upper
 93 100
 95 82.0 65.5 98.3
 174 105.5 78.7 118.1





#47

Bromodichloromethane

Concen: 20.995 ug/l

RT: 6.76 min Scan# 1919

Delta R.T. 0.00 min

Lab File: VU024931.D

Acq: 26 Jun 2018 19:55

Instrument :

MSVOA_U

ClientSampleId :

VU0627MBSD01

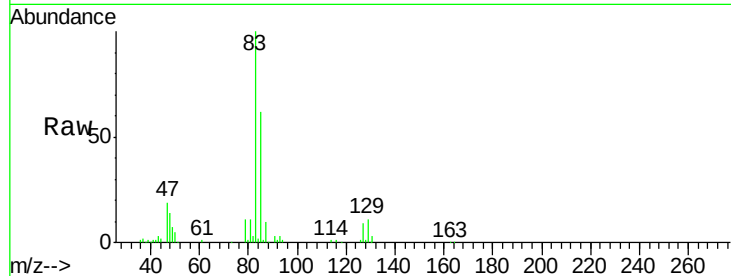
Tgt Ion: 83 Resp: 69392

Ion Ratio Lower Upper

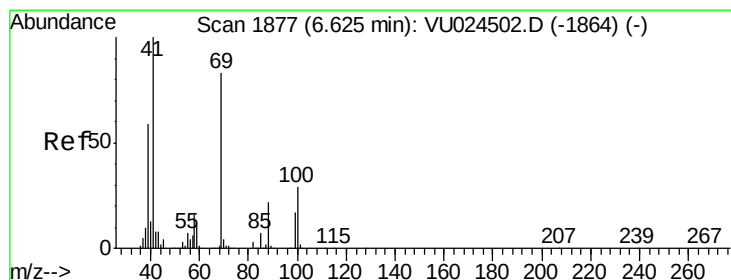
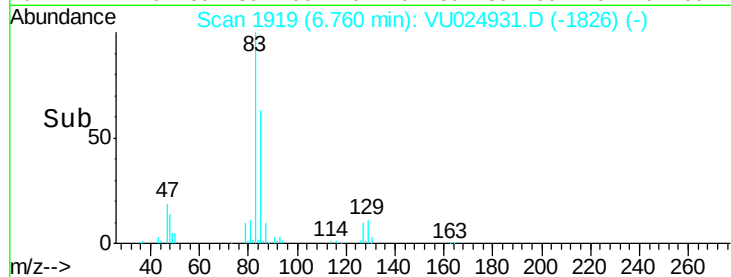
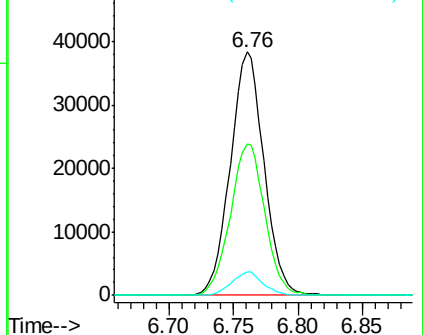
83 100

85 62.0 51.9 77.9

127 9.4 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: 21.410 ug/l

RT: 6.62 min Scan# 1876

Delta R.T. -0.00 min

Lab File: VU024931.D

Acq: 26 Jun 2018 19:55

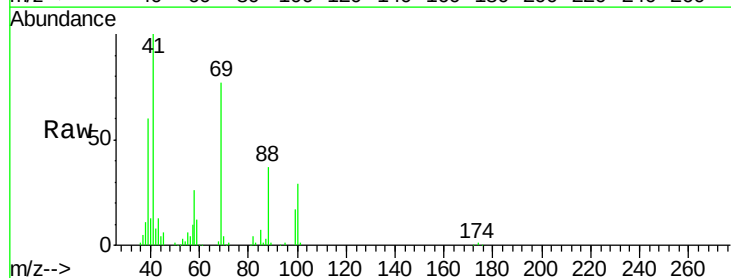
Tgt Ion: 41 Resp: 61046

Ion Ratio Lower Upper

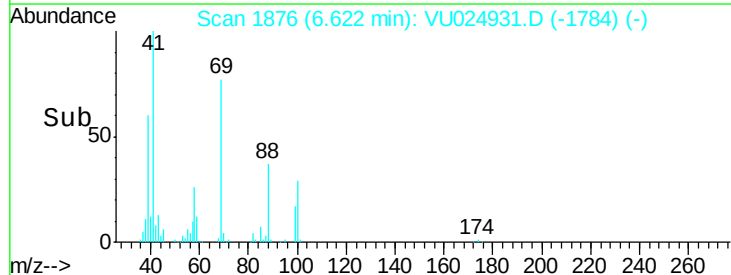
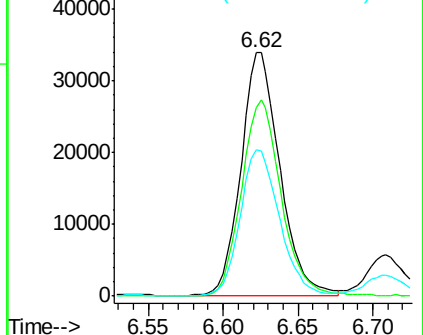
41 100

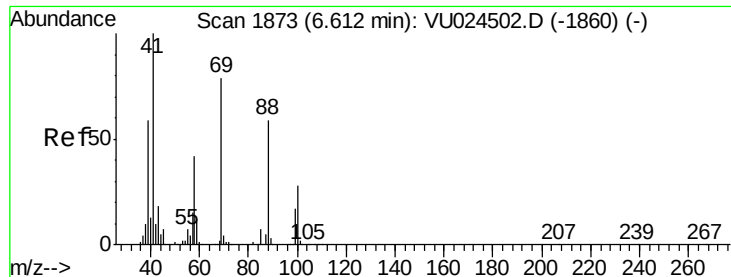
69 82.6 67.3 100.9

39 61.4 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: 521.073 ug/l

RT: 6.62 min Scan# 1874

Delta R.T. 0.00 min

Lab File: VU024931.D

Acq: 26 Jun 2018 19:55

Instrument :

MSVOA_U

ClientSampleId :

VU0627MBSD01

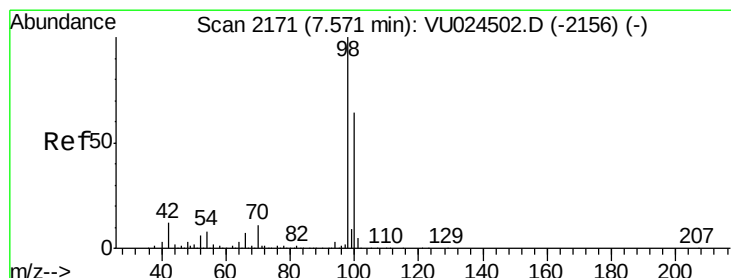
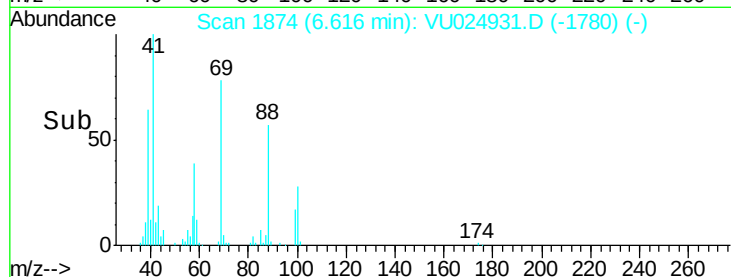
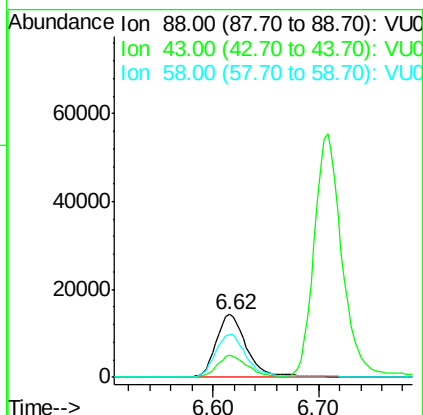
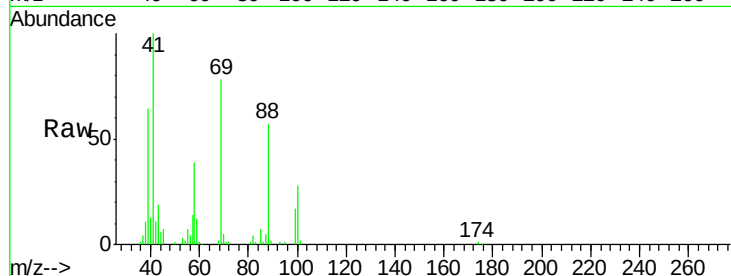
Tgt Ion: 88 Resp: 29055

Ion Ratio Lower Upper

88 100

43 34.5 28.6 42.8

58 68.2 58.2 87.4



#50

Toluene-d8

Concen: 46.139 ug/l

RT: 7.57 min Scan# 2170

Delta R.T. -0.00 min

Lab File: VU024931.D

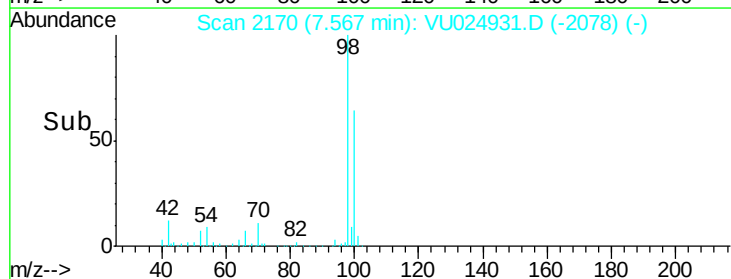
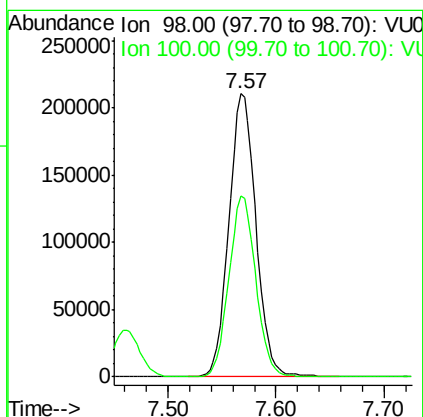
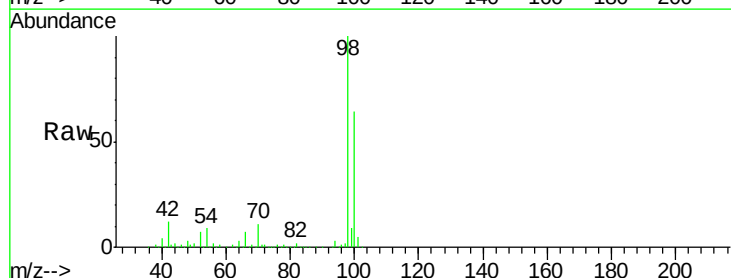
Acq: 26 Jun 2018 19:55

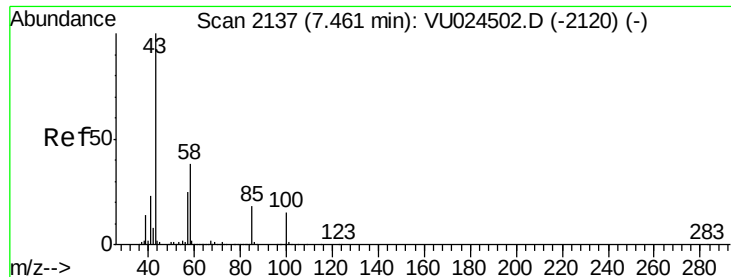
Tgt Ion: 98 Resp: 369427

Ion Ratio Lower Upper

98 100

100 63.3 51.1 76.7

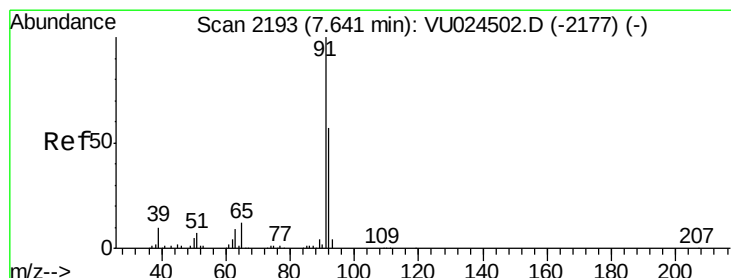
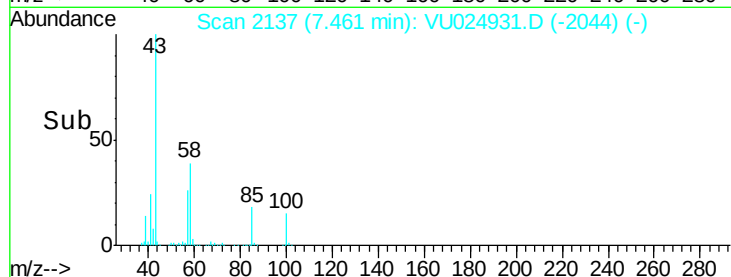
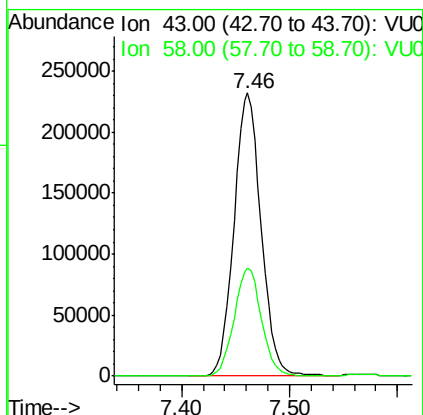
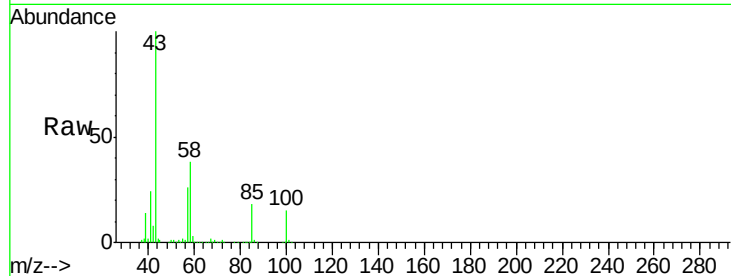




#51
 4-Methyl-2-Pentanone
 Concen: 110.557 ug/l
 RT: 7.46 min Scan# 2137
 Delta R.T. 0.00 min
 Lab File: VU024931.D
 Acq: 26 Jun 2018 19:55

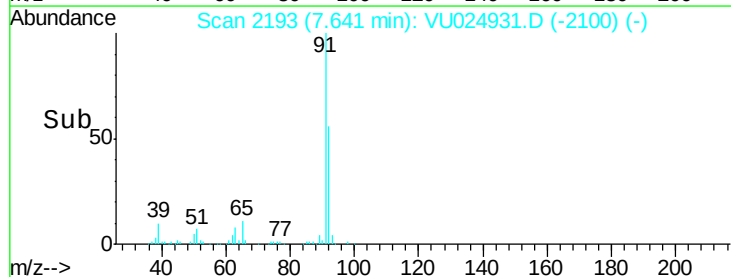
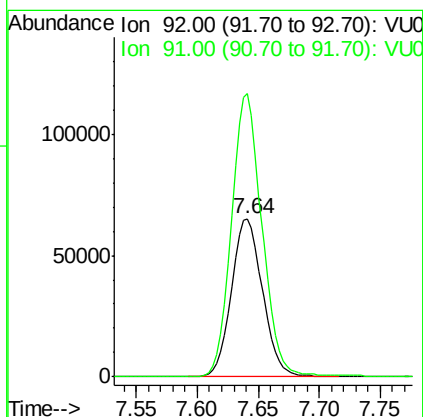
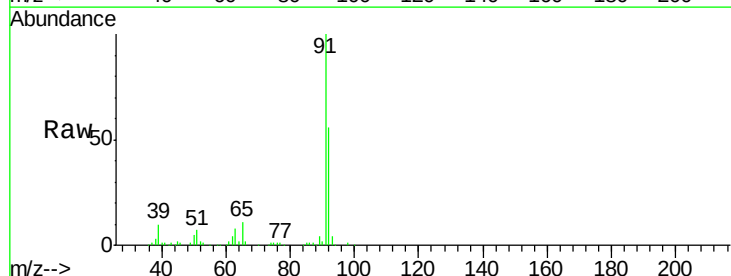
Instrument :
 MSVOA_U
 ClientSampleId :
 VU0627MBSD01

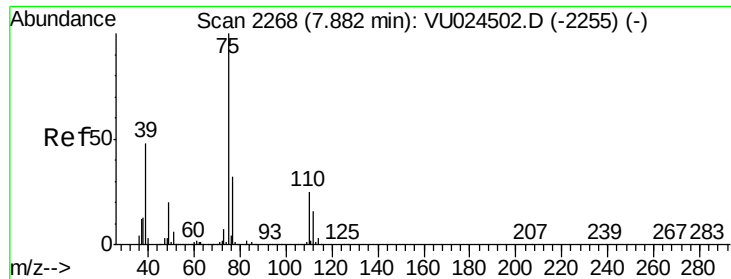
Tgt Ion: 43 Resp: 406705
 Ion Ratio Lower Upper
 43 100
 58 38.4 30.0 45.0



#52
 Toluene
 Concen: 20.346 ug/l
 RT: 7.64 min Scan# 2193
 Delta R.T. 0.00 min
 Lab File: VU024931.D
 Acq: 26 Jun 2018 19:55

Tgt Ion: 92 Resp: 115926
 Ion Ratio Lower Upper
 92 100
 91 175.3 140.5 210.7





#53

t-1,3-Dichloropropene

Concen: 19.651 ug/l

RT: 7.88 min Scan# 2268

Delta R.T. 0.00 min

Lab File: VU024931.D

Acq: 26 Jun 2018 19:55

Instrument :

MSVOA_U

ClientSampleId :

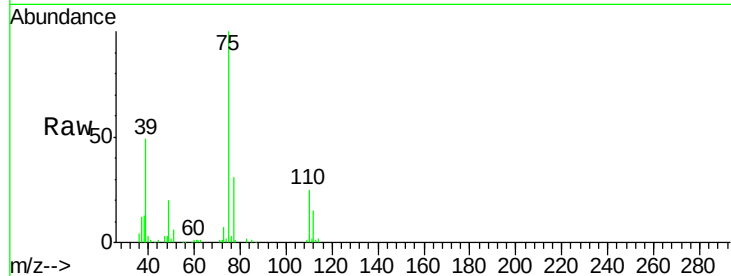
VU0627MBSD01

Tgt Ion: 75 Resp: 72940

Ion Ratio Lower Upper

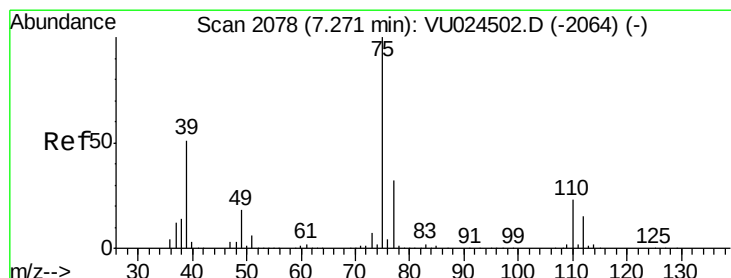
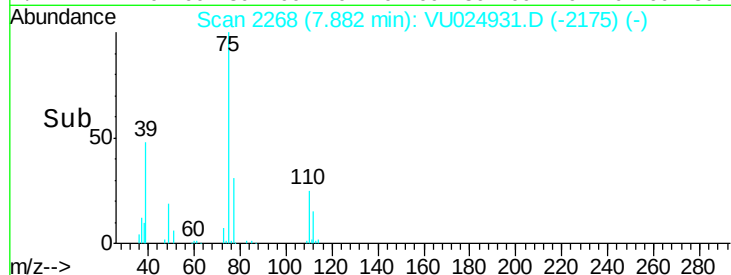
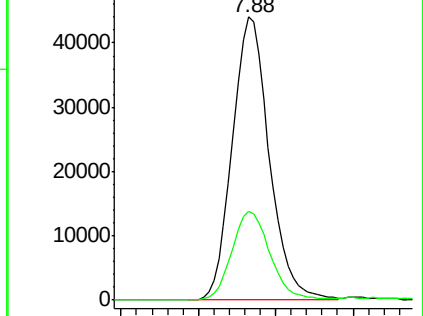
75 100

77 31.4 24.8 37.2



Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 76.90 (76.60 to 77.60): VU0



#54

cis-1,3-Dichloropropene

Concen: 19.070 ug/l

RT: 7.27 min Scan# 2078

Delta R.T. 0.00 min

Lab File: VU024931.D

Acq: 26 Jun 2018 19:55

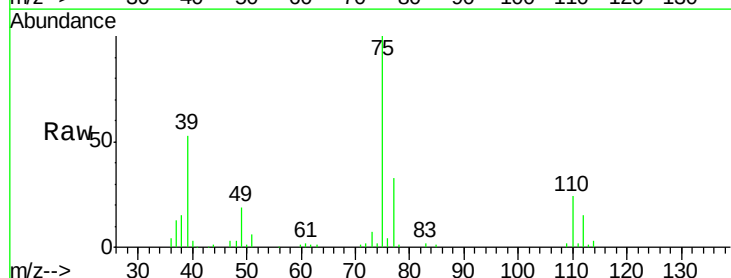
Tgt Ion: 75 Resp: 75424

Ion Ratio Lower Upper

75 100

77 33.2 24.6 36.8

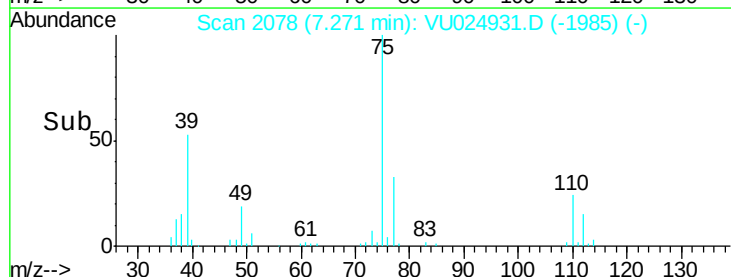
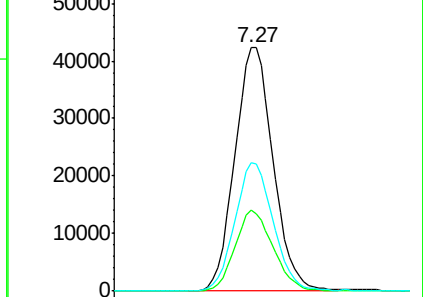
39 53.0 39.8 59.6

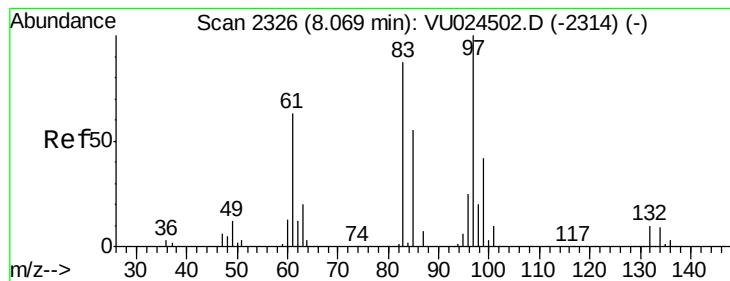


Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 76.90 (76.60 to 77.60): VU0

Ion 39.00 (38.70 to 39.70): VU0





#55

1,1,2-Trichloroethane

Concen: 21.336 ug/l

RT: 8.07 min Scan# 2326

Delta R.T. 0.00 min

Lab File: VU024931.D

Acq: 26 Jun 2018 19:55

Instrument :

MSVOA_U

ClientSampleId :

VU0627MBSD01

Tgt Ion: 97 Resp: 49416

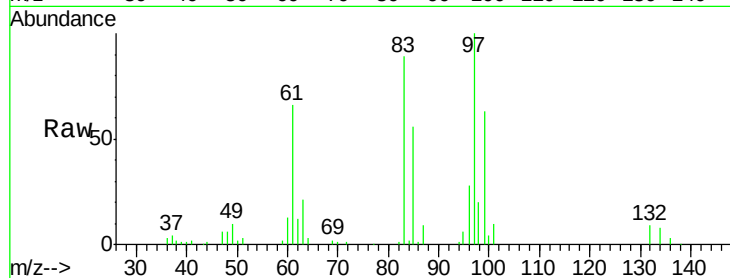
Ion Ratio Lower Upper

97 100

83 89.3 70.5 105.7

85 55.7 46.4 69.6

99 62.6 50.2 75.2

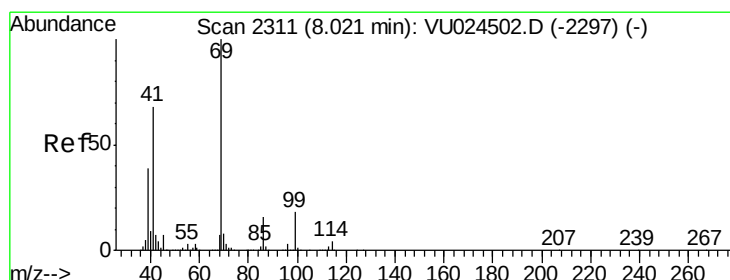
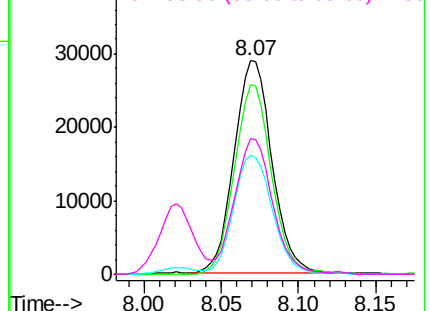
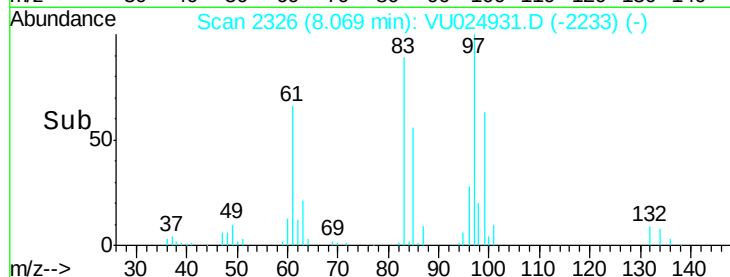


Abundance Ion 96.90 (96.60 to 97.60): VU0

Ion 82.90 (82.60 to 83.60): VU0

Ion 84.90 (84.60 to 85.60): VU0

Ion 98.90 (98.60 to 99.60): VU0



#56

Ethyl methacrylate

Concen: 20.818 ug/l

RT: 8.02 min Scan# 2311

Delta R.T. 0.00 min

Lab File: VU024931.D

Acq: 26 Jun 2018 19:55

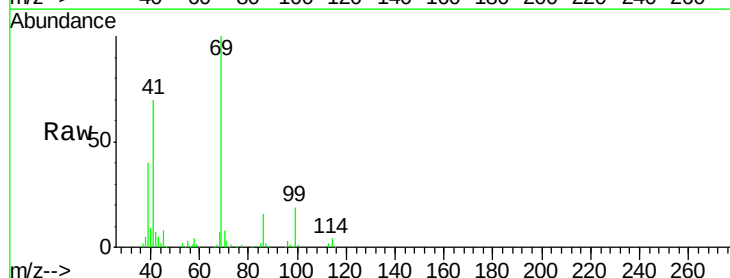
Tgt Ion: 69 Resp: 80701

Ion Ratio Lower Upper

69 100

41 69.3 54.1 81.1

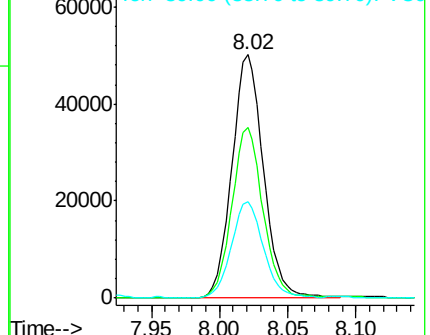
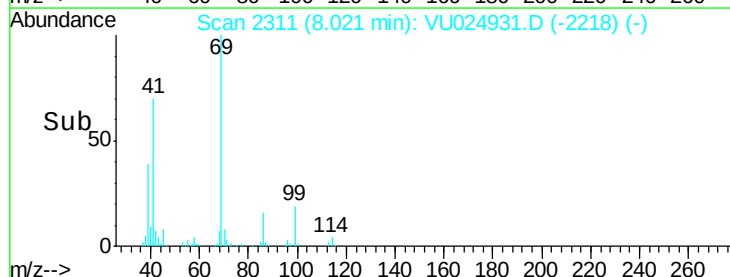
39 39.3 30.3 45.5

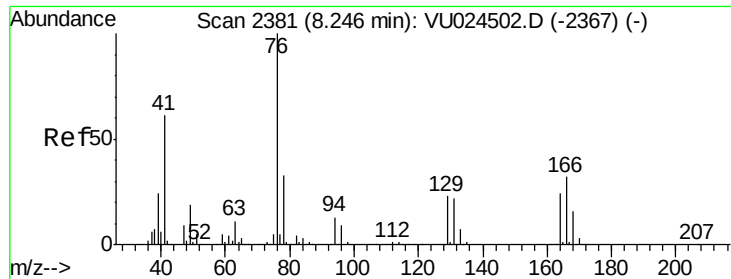


Abundance Ion 69.00 (68.70 to 69.70): VU0

Ion 41.00 (40.70 to 41.70): VU0

Ion 39.00 (38.70 to 39.70): VU0

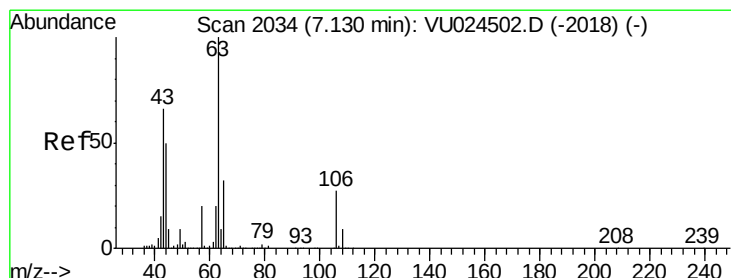
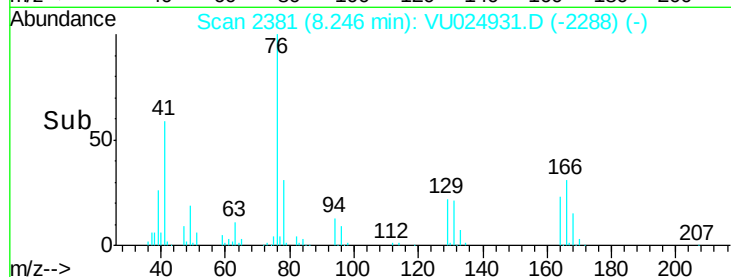
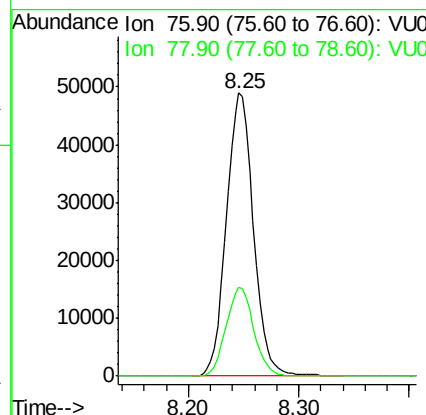
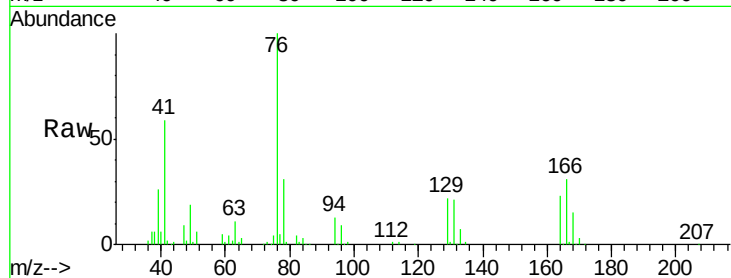




#57
 1,3-Dichloropropane
 Concen: 21.376 ug/l
 RT: 8.25 min Scan# 2381
 Delta R.T. 0.00 min
 Lab File: VU024931.D
 Acq: 26 Jun 2018 19:55

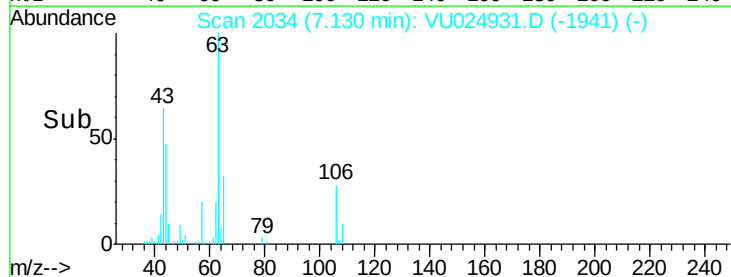
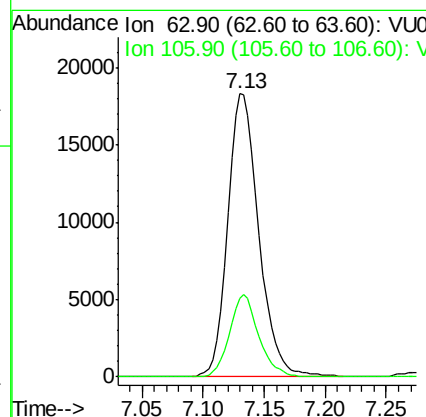
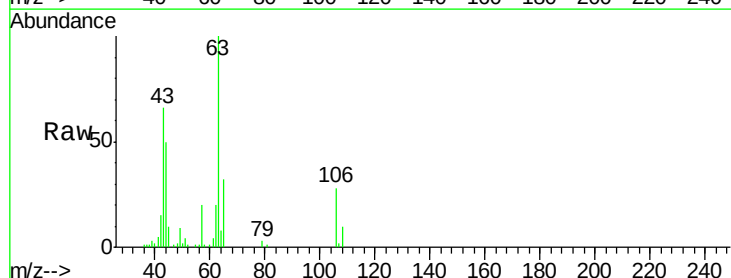
Instrument :
 MSVOA_U
 ClientSampleId :
 VU0627MBSD01

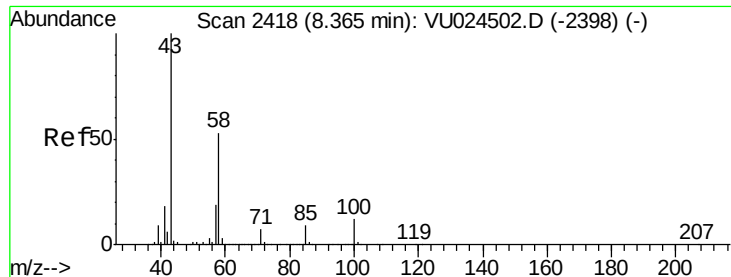
Tgt Ion: 76 Resp: 83517
 Ion Ratio Lower Upper
 76 100
 78 32.1 25.2 37.8



#58
 2-Chloroethyl Vinyl ether
 Concen: 21.983 ug/l
 RT: 7.13 min Scan# 2034
 Delta R.T. 0.00 min
 Lab File: VU024931.D
 Acq: 26 Jun 2018 19:55

Tgt Ion: 63 Resp: 32647
 Ion Ratio Lower Upper
 63 100
 106 27.2 20.2 30.2

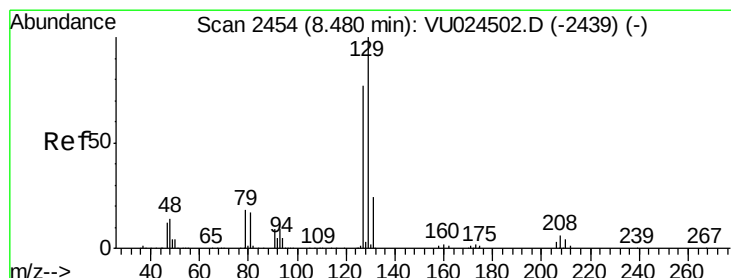
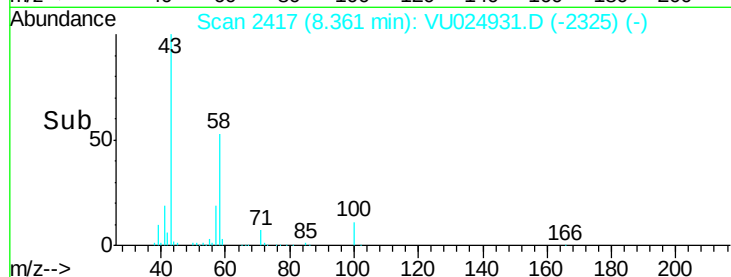
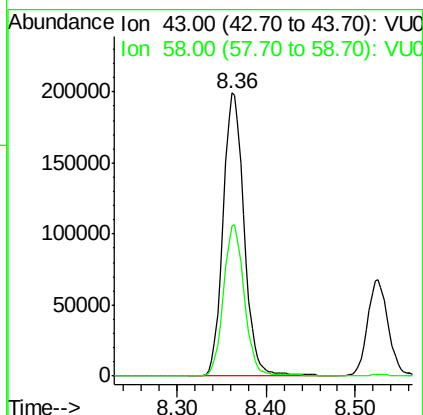
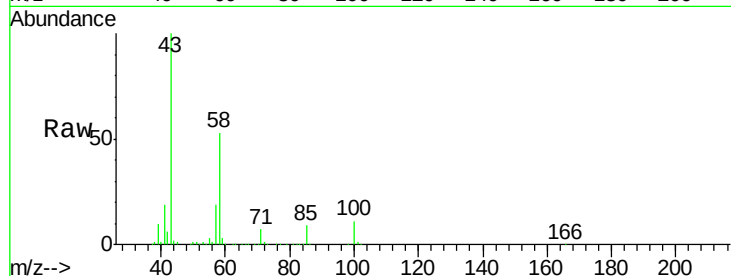




#59
2-Hexanone
Concen: 109.092 ug/l
RT: 8.36 min Scan# 2417
Delta R.T. -0.00 min
Lab File: VU024931.D
Acq: 26 Jun 2018 19:55

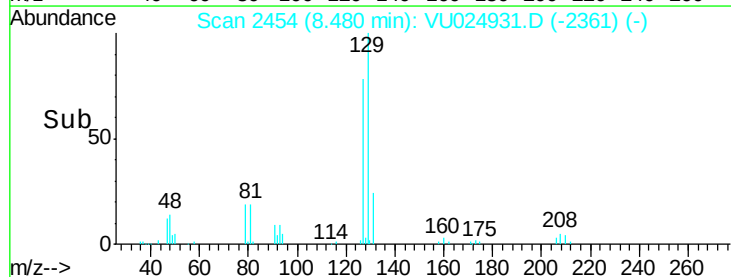
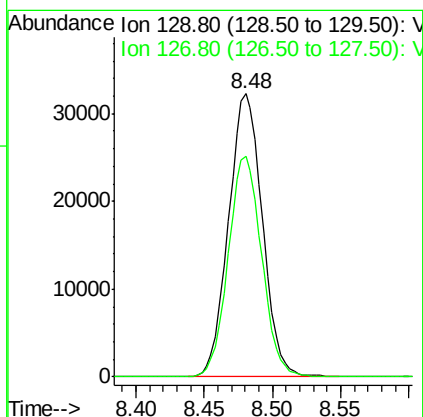
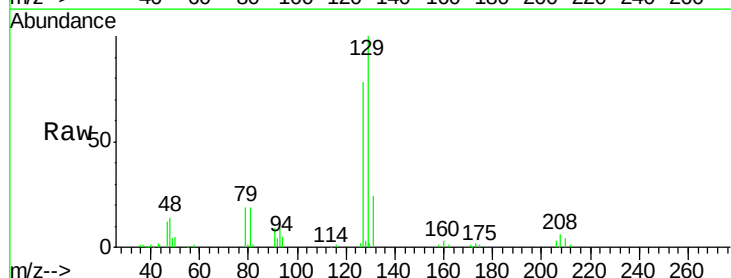
Instrument :
MSVOA_U
ClientSampleId :
VU0627MBSD01

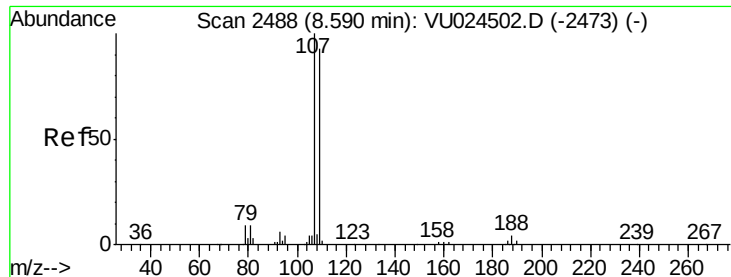
Tgt Ion: 43 Resp: 327638
Ion Ratio Lower Upper
43 100
58 52.2 26.4 79.0



#60
Dibromochloromethane
Concen: 19.216 ug/l
RT: 8.48 min Scan# 2454
Delta R.T. 0.00 min
Lab File: VU024931.D
Acq: 26 Jun 2018 19:55

Tgt Ion: 129 Resp: 55499
Ion Ratio Lower Upper
129 100
127 76.9 38.6 116.0





#61

1,2-Dibromoethane

Concen: 21.080 ug/l

RT: 8.59 min Scan# 2488

Delta R.T. 0.00 min

Lab File: VU024931.D

Acq: 26 Jun 2018 19:55

Instrument :

MSVOA_U

ClientSampleId :

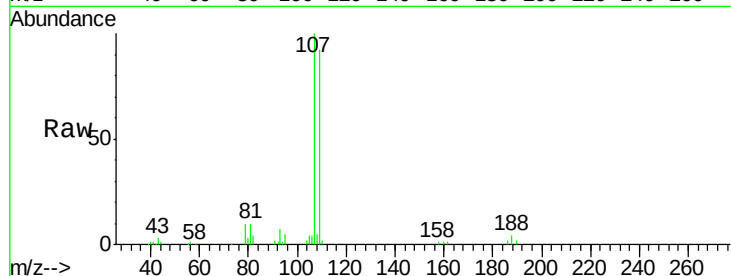
VU0627MBSD01

Tgt Ion: 107 Resp: 54341

Ion Ratio Lower Upper

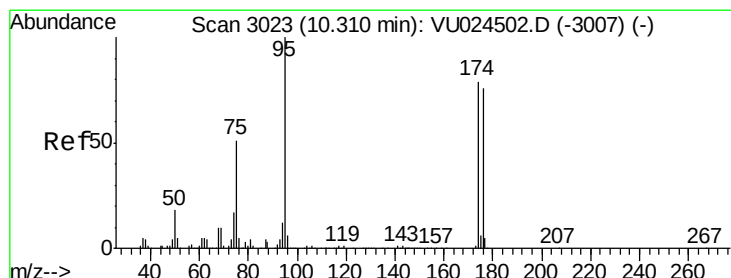
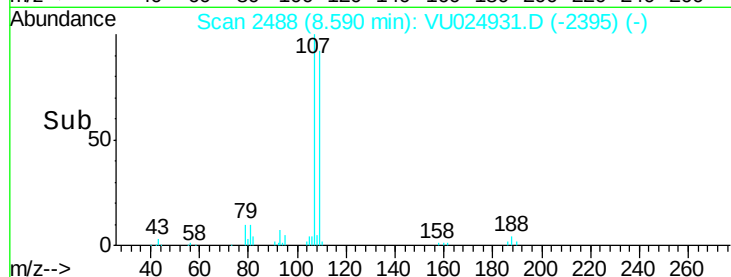
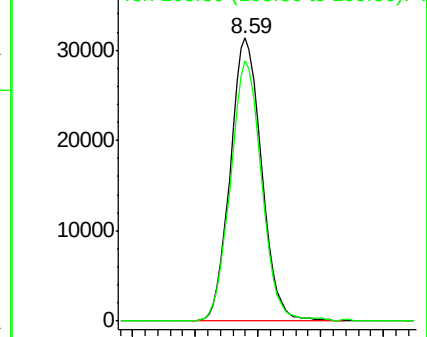
107 100

109 91.7 74.5 111.7



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 46.277 ug/l

RT: 10.31 min Scan# 3023

Delta R.T. 0.00 min

Lab File: VU024931.D

Acq: 26 Jun 2018 19:55

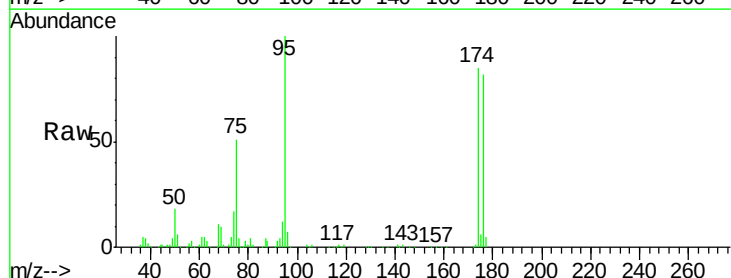
Tgt Ion: 95 Resp: 147116

Ion Ratio Lower Upper

95 100

174 86.1 0.0 165.8

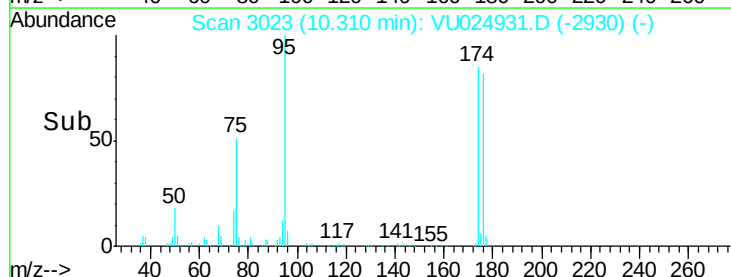
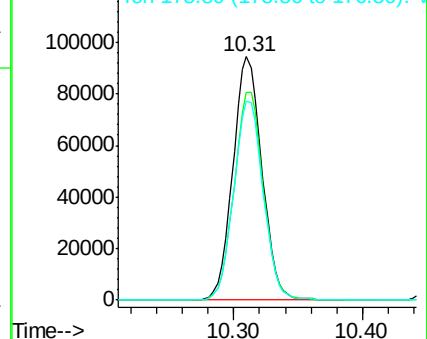
176 83.2 0.0 159.4

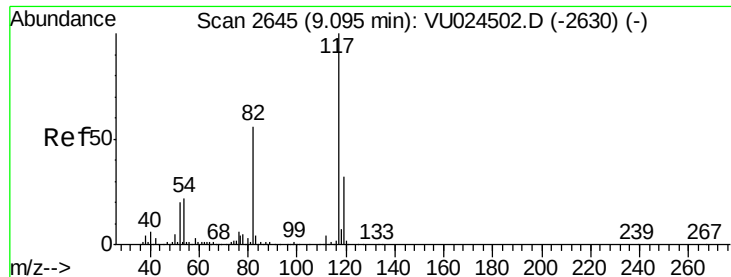


Abundance Ion 94.90 (94.60 to 95.60): VU0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

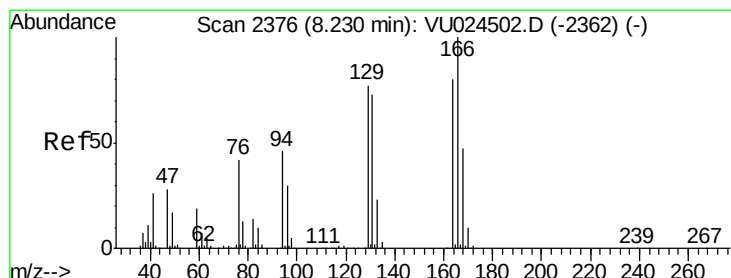
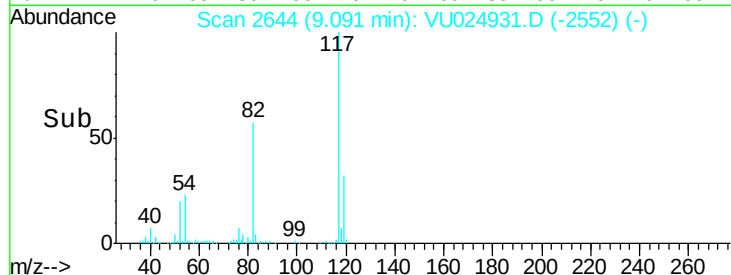
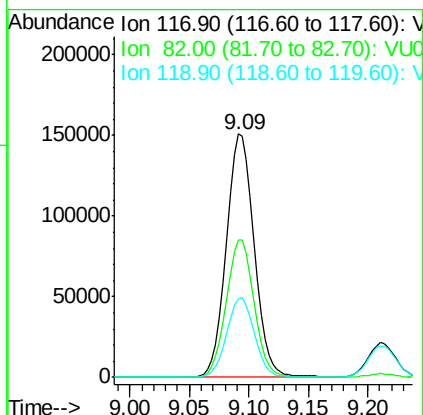
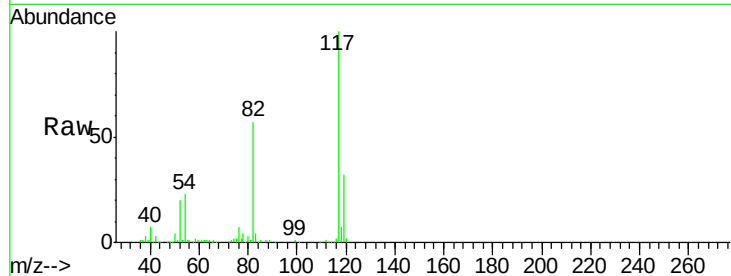




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.09 min Scan# 2644
Delta R.T. -0.00 min
Lab File: VU024931.D
Acq: 26 Jun 2018 19:55

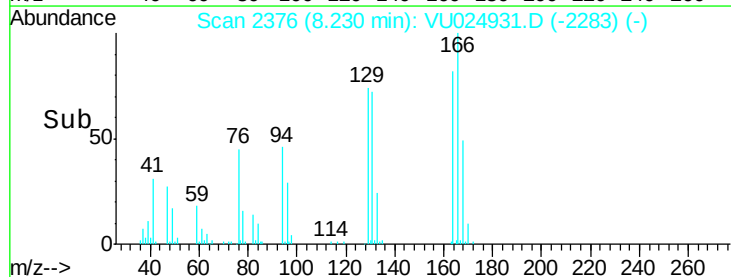
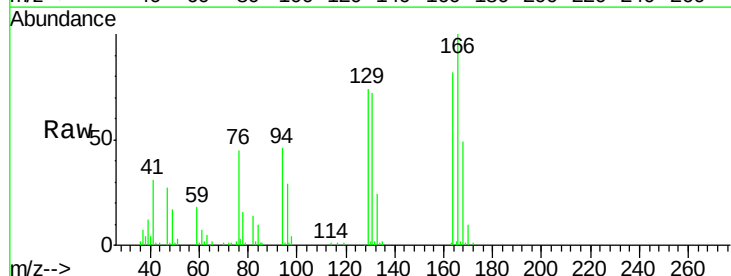
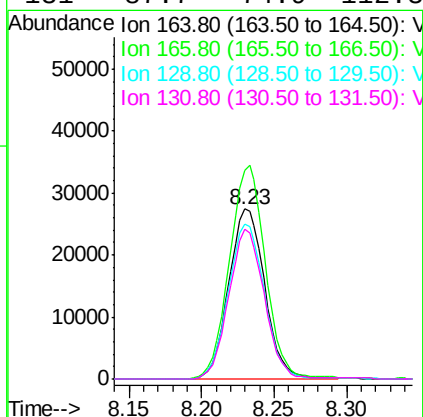
Instrument :
MSVOA_U
ClientSampleId :
VU0627MBSD01

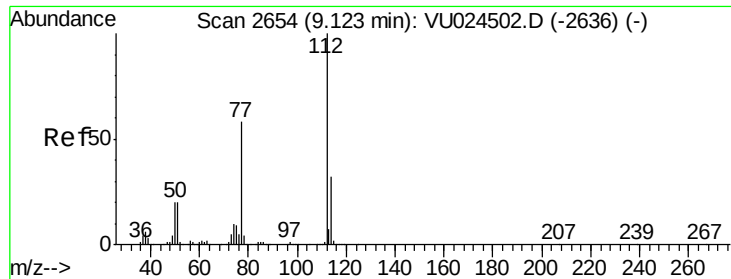
Tgt Ion	Ratio	Lower	Upper
117	100		
82	56.6	44.3	66.5
119	32.5	25.4	38.2



#64
Tetrachloroethene
Concen: 20.299 ug/l
RT: 8.23 min Scan# 2376
Delta R.T. 0.00 min
Lab File: VU024931.D
Acq: 26 Jun 2018 19:55

Tgt Ion	Ratio	Lower	Upper
164	100		
166	122.4	101.7	152.5
129	91.1	76.9	115.3
131	87.7	74.9	112.3





#65

Chlorobenzene

Concen: 21.106 ug/l

RT: 9.12 min Scan# 2654

Delta R.T. 0.00 min

Lab File: VU024931.D

Acq: 26 Jun 2018 19:55

Instrument :

MSVOA_U

ClientSampleId :

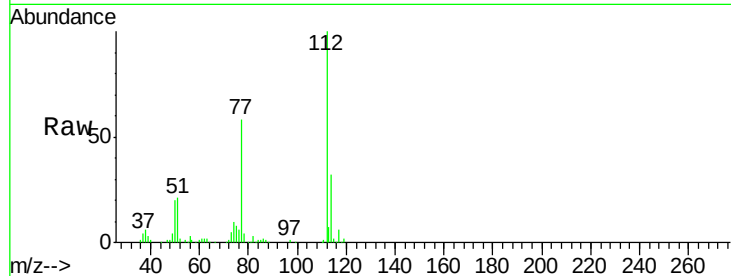
VU0627MBSD01

Tgt Ion:112 Resp: 132207

Ion Ratio Lower Upper

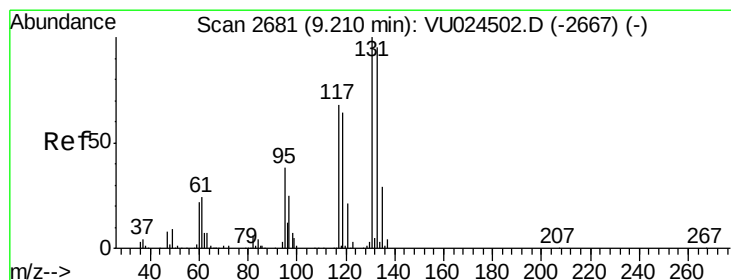
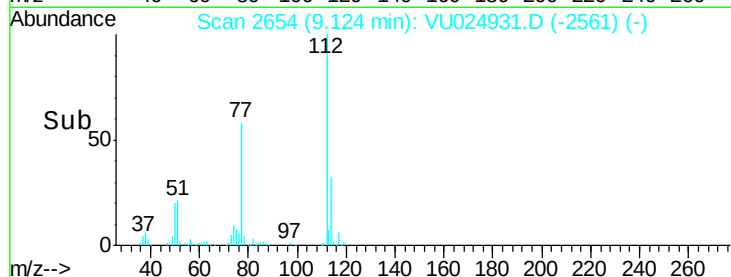
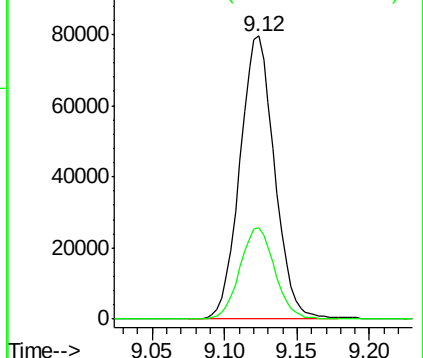
112 100

114 32.1 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: 21.594 ug/l

RT: 9.21 min Scan# 2681

Delta R.T. 0.00 min

Lab File: VU024931.D

Acq: 26 Jun 2018 19:55

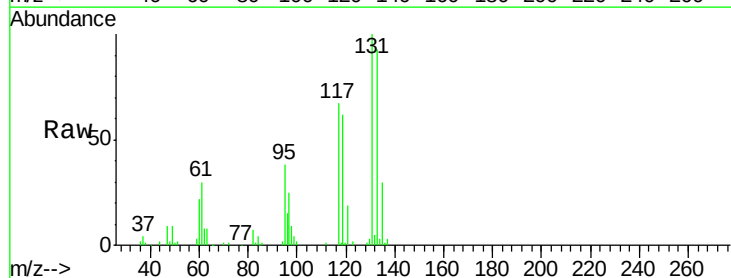
Tgt Ion:131 Resp: 51390

Ion Ratio Lower Upper

131 100

133 95.3 46.9 140.8

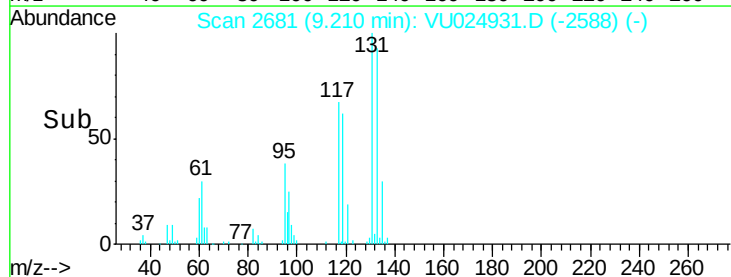
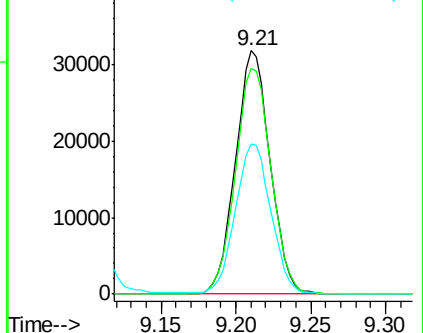
119 63.6 33.5 100.4

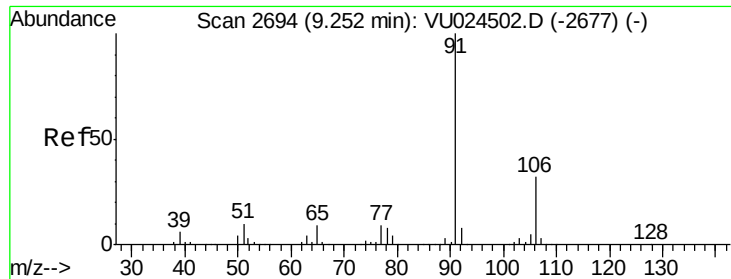


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V

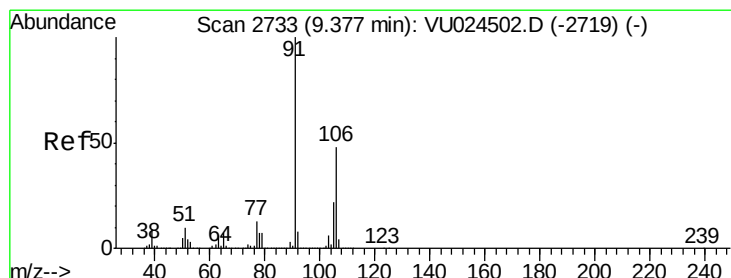
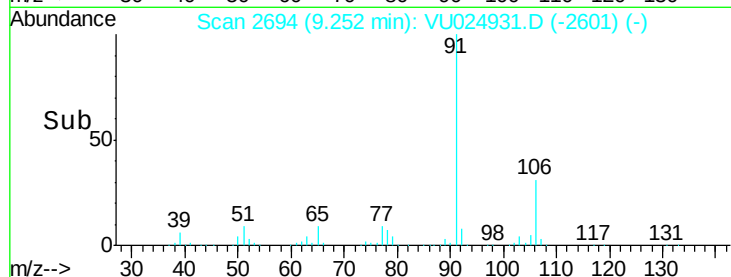
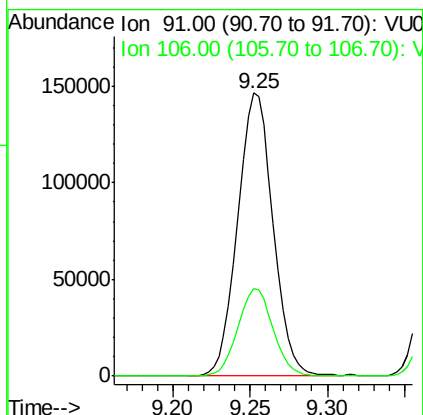
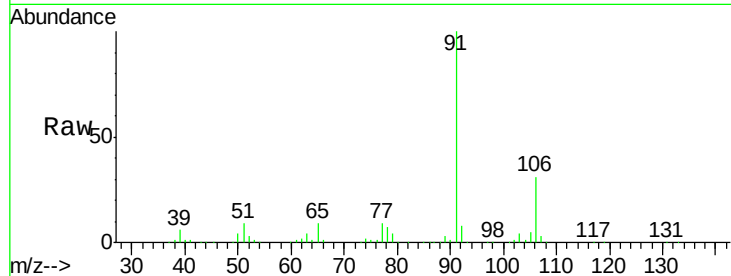




#67
Ethyl Benzene
 Concen: 21.209 ug/l
 RT: 9.25 min Scan# 2694
 Delta R.T. 0.00 min
 Lab File: VU024931.D
 Acq: 26 Jun 2018 19:55

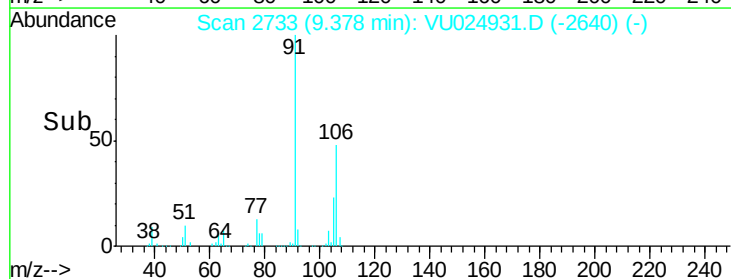
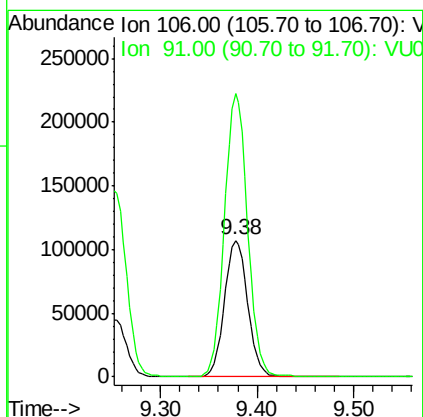
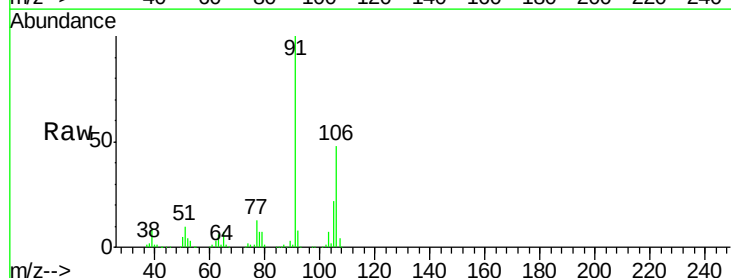
Instrument :
 MSVOA_U
 ClientSampleId :
 VU0627MBSD01

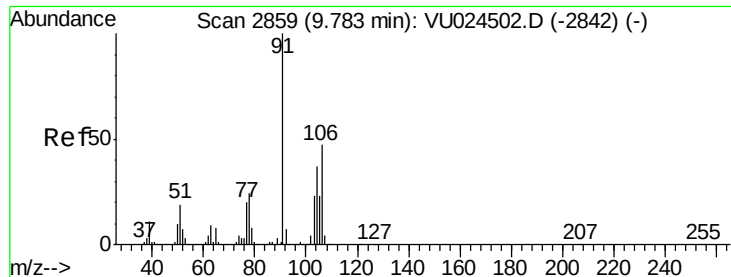
Tgt Ion: 91 Resp: 232904
 Ion Ratio Lower Upper
 91 100
 106 30.8 24.2 36.4



#68
m/p-Xylenes
 Concen: 42.540 ug/l
 RT: 9.38 min Scan# 2733
 Delta R.T. 0.00 min
 Lab File: VU024931.D
 Acq: 26 Jun 2018 19:55

Tgt Ion: 106 Resp: 179382
 Ion Ratio Lower Upper
 106 100
 91 206.4 166.5 249.7

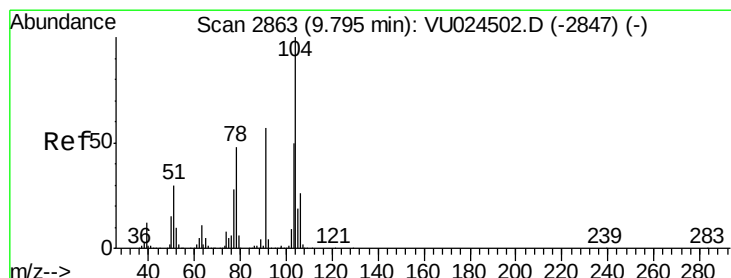
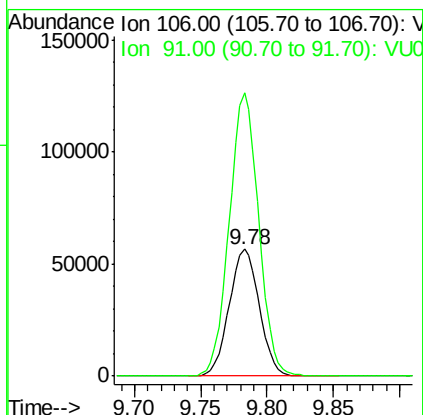
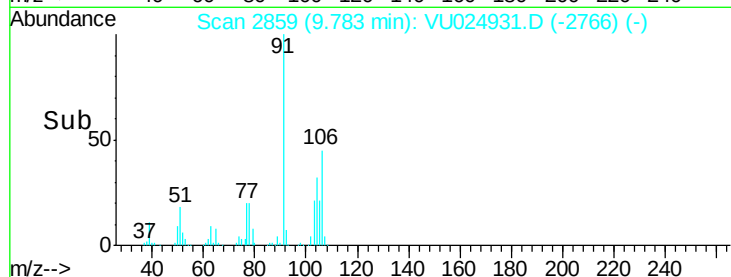
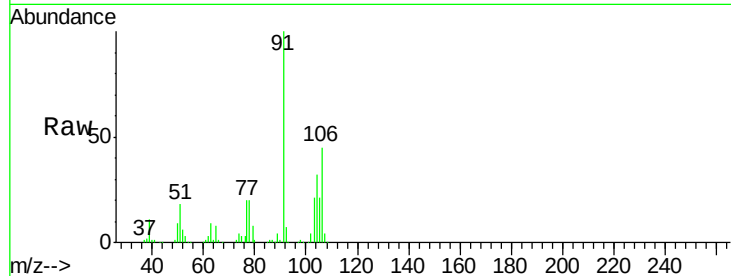




#69
o-Xylene
Concen: 21.418 ug/l
RT: 9.78 min Scan# 2859
Delta R.T. 0.00 min
Lab File: VU024931.D
Acq: 26 Jun 2018 19:55

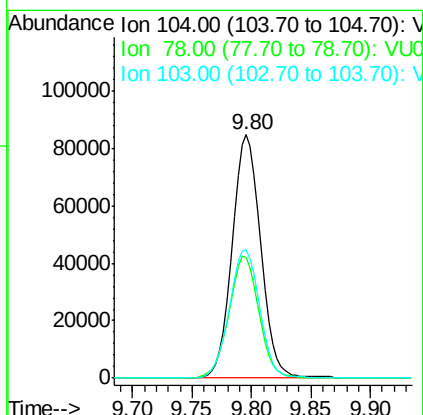
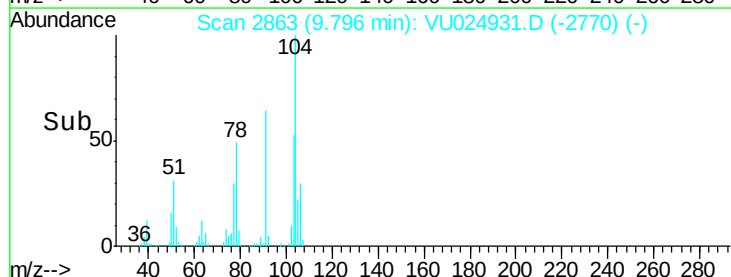
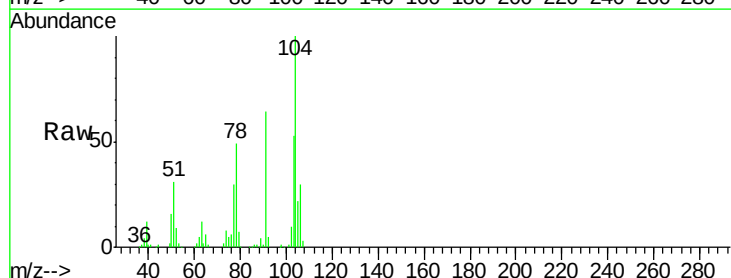
Instrument :
MSVOA_U
ClientSampleId :
VU0627MBSD01

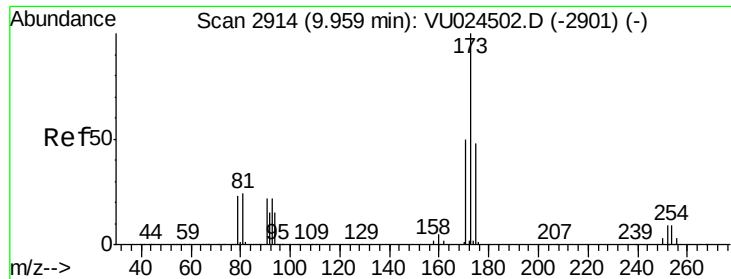
Tgt Ion:106 Resp: 89382
Ion Ratio Lower Upper
106 100
91 217.5 110.7 331.9



#70
Styrene
Concen: 20.654 ug/l
RT: 9.80 min Scan# 2863
Delta R.T. 0.00 min
Lab File: VU024931.D
Acq: 26 Jun 2018 19:55

Tgt Ion:104 Resp: 141647
Ion Ratio Lower Upper
104 100
78 52.4 40.6 60.8
103 56.0 44.7 67.1





#71

Bromoform

Concen: 18.822 ug/l

RT: 9.96 min Scan# 2915

Delta R.T. 0.00 min

Lab File: VU024931.D

Acq: 26 Jun 2018 19:55

Instrument :

MSVOA_U

ClientSampleId :

VU0627MBSD01

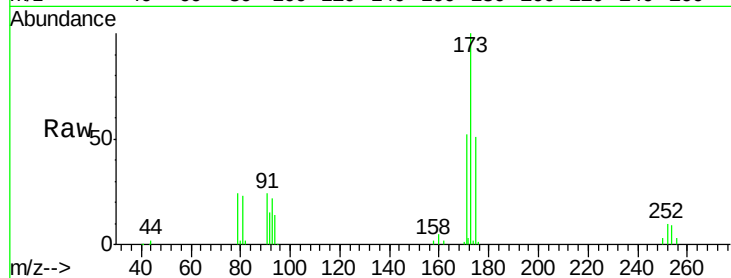
Tgt Ion:173 Resp: 42576

Ion Ratio Lower Upper

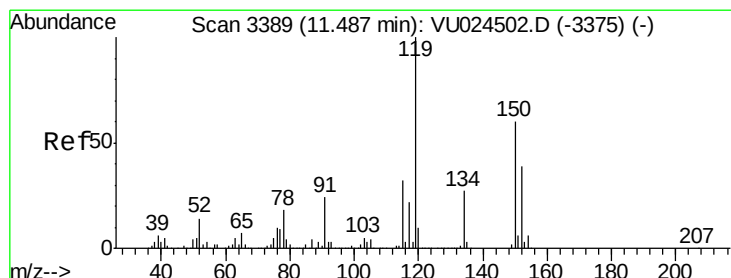
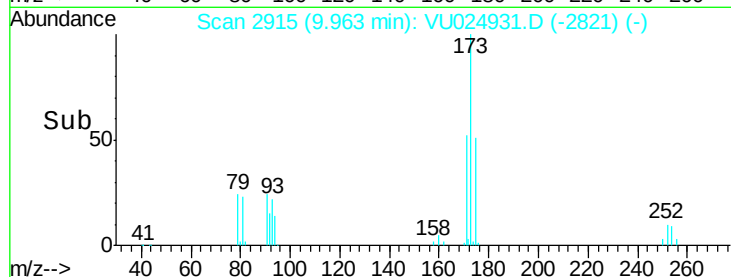
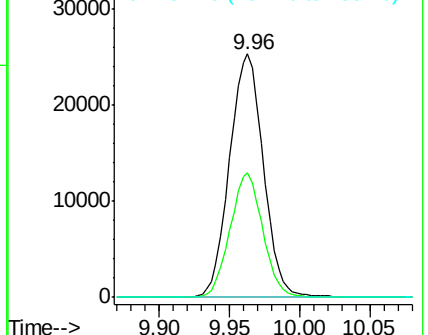
173 100

175 49.3 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: VU024931.D

Acq: 26 Jun 2018 19:55

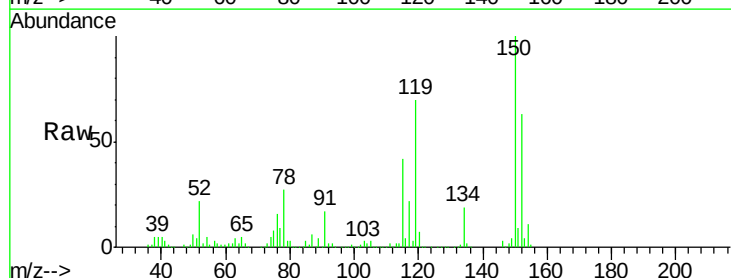
Tgt Ion:152 Resp: 144007

Ion Ratio Lower Upper

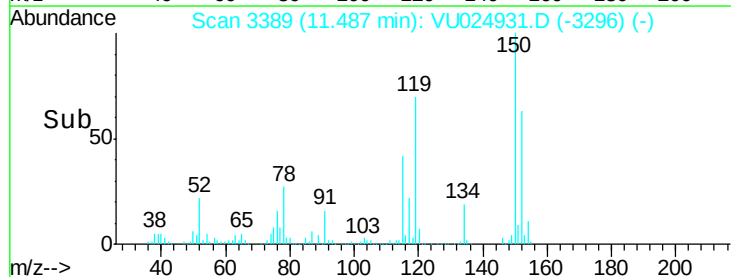
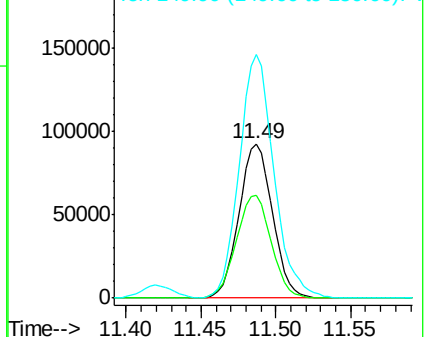
152 100

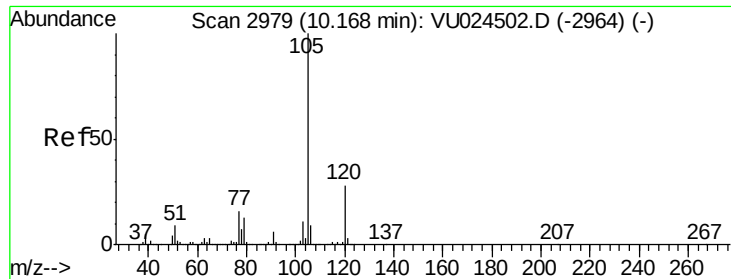
115 69.4 43.0 129.0

150 163.4 0.0 354.0



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 21.643 ug/l

RT: 10.17 min Scan# 2979

Delta R.T. 0.00 min

Lab File: VU024931.D

Acq: 26 Jun 2018 19:55

Instrument :

MSVOA_U

ClientSampleId :

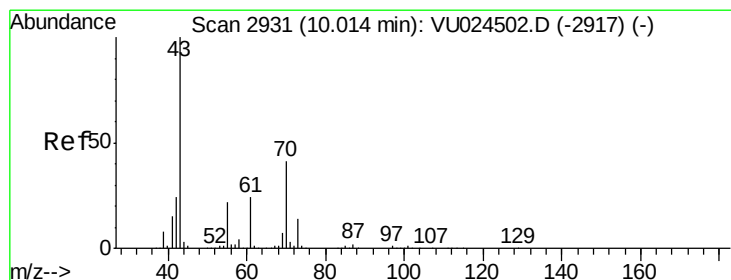
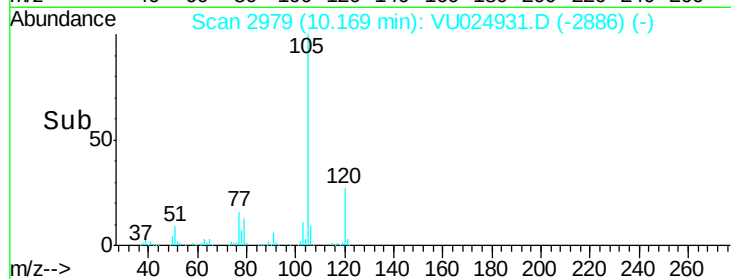
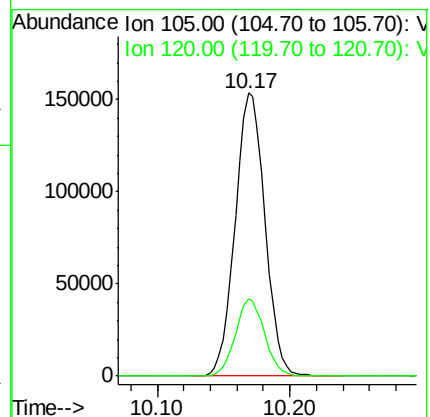
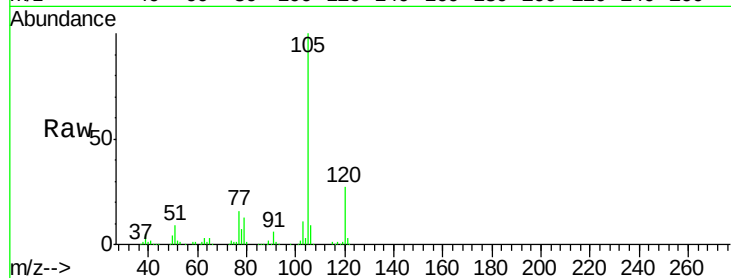
VU0627MBSD01

Tgt Ion: 105 Resp: 239295

Ion Ratio Lower Upper

105 100

120 26.7 13.2 39.6



#74

N-ethyl acetate

Concen: 20.197 ug/l

RT: 10.01 min Scan# 2931

Delta R.T. 0.00 min

Lab File: VU024931.D

Acq: 26 Jun 2018 19:55

Tgt Ion: 43 Resp: 106216

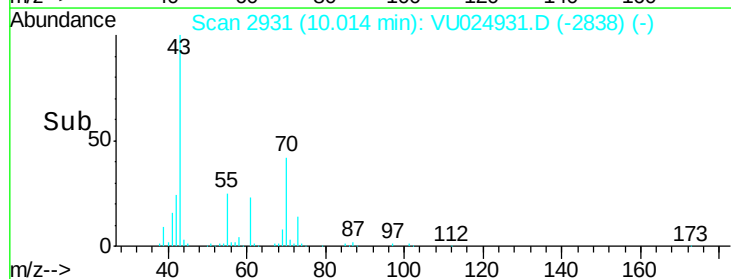
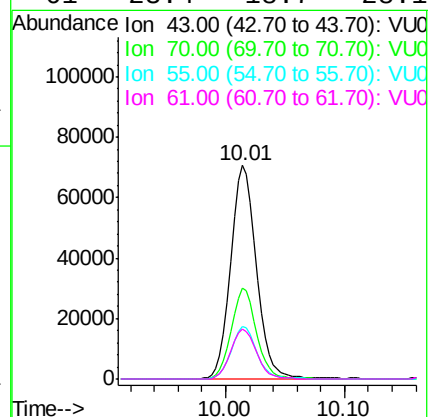
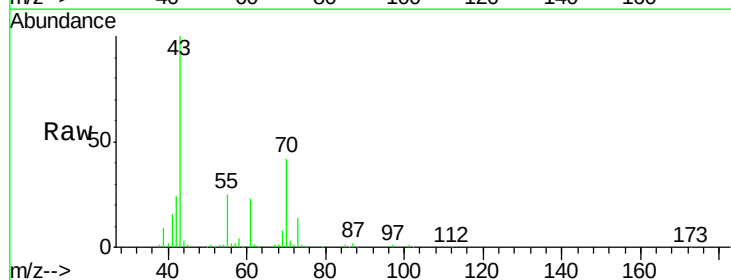
Ion Ratio Lower Upper

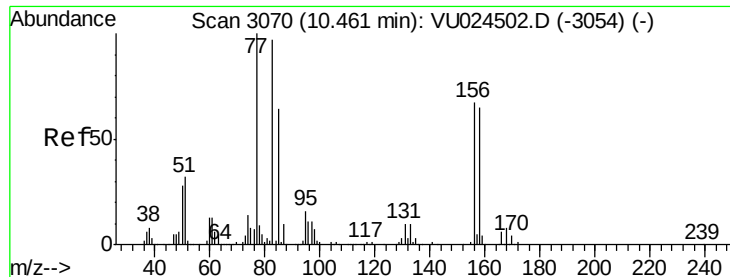
43 100

70 41.4 32.2 48.4

55 24.5 20.5 30.7

61 23.4 18.7 28.1





#75

1,1,2,2-Tetrachloroethane

Concen: 22.679 ug/l

RT: 10.46 min Scan# 3070

Delta R.T. 0.00 min

Lab File: VU024931.D

Acq: 26 Jun 2018 19:55

Instrument :

MSVOA_U

ClientSampleId :

VU0627MBSD01

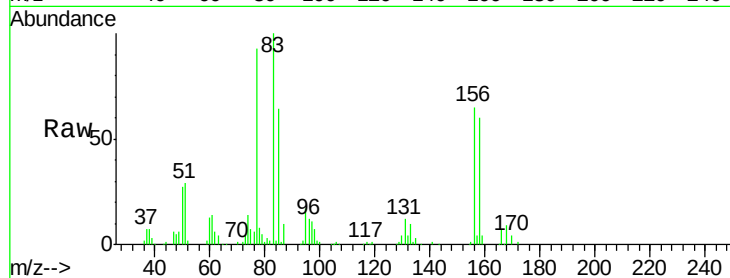
Tgt Ion: 83 Resp: 84026

Ion Ratio Lower Upper

83 100

131 10.9 4.7 14.1

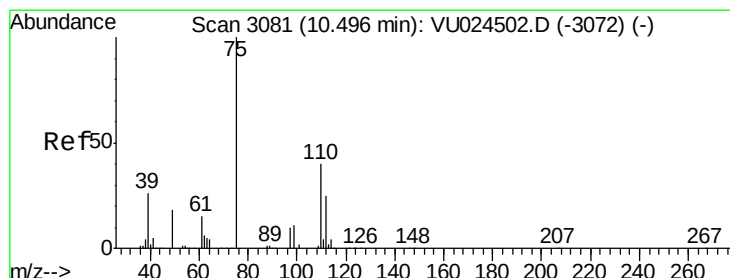
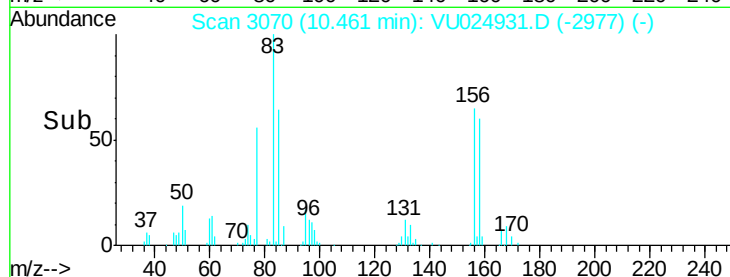
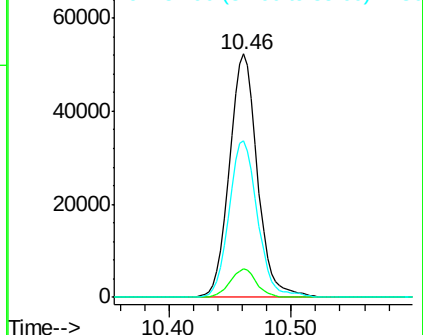
85 65.6 32.5 97.5



Abundance Ion 82.90 (82.60 to 83.60): VU0

Ion 130.80 (130.50 to 131.50): VU0

Ion 84.90 (84.60 to 85.60): VU0



#76

1,2,3-Trichloropropane

Concen: 31.493 ug/l

RT: 10.50 min Scan# 3081

Delta R.T. 0.00 min

Lab File: VU024931.D

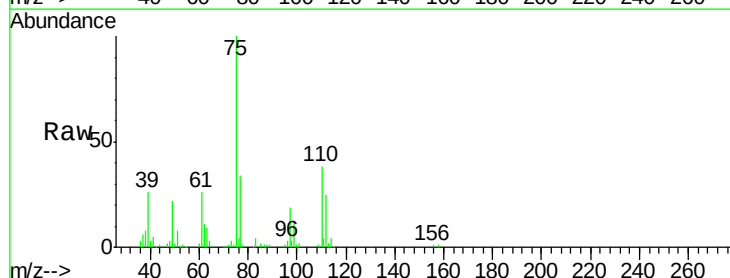
Acq: 26 Jun 2018 19:55

Tgt Ion: 75 Resp: 99850

Ion Ratio Lower Upper

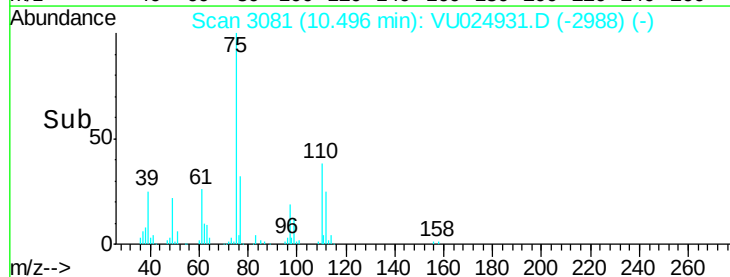
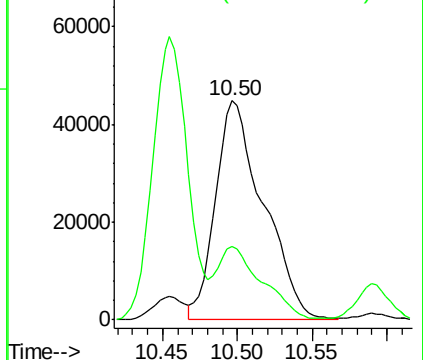
75 100

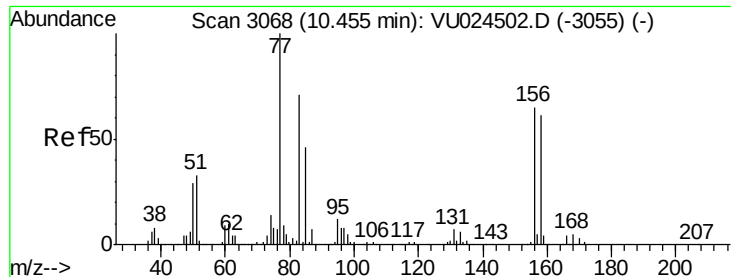
77 31.8 20.9 62.7



Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 77.00 (76.70 to 77.70): VU0





#77

Bromobenzene

Concen: 22.053 ug/l

RT: 10.45 min Scan# 3068

Delta R.T. 0.00 min

Lab File: VU024931.D

Acq: 26 Jun 2018 19:55

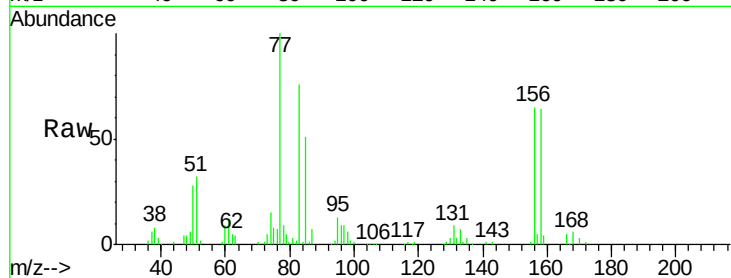
Instrument :

MSVOA_U

ClientSampleId :

VU0627MBSD01

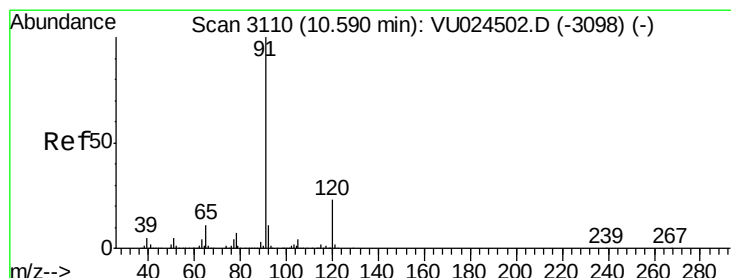
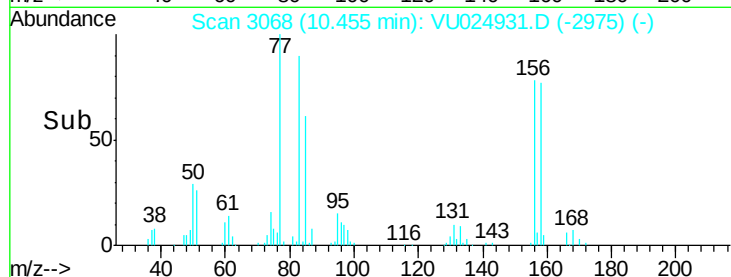
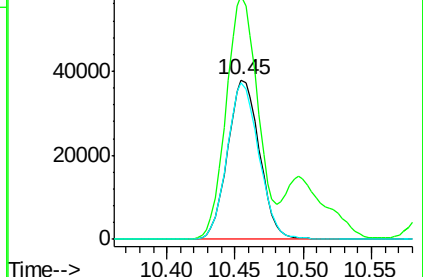
Tgt Ion:	156	Resp:	61727
Ion	Ratio	Lower	Upper
156	100		
77	151.9	80.5	241.3
158	97.8	48.2	144.6



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VU0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 20.530 ug/l

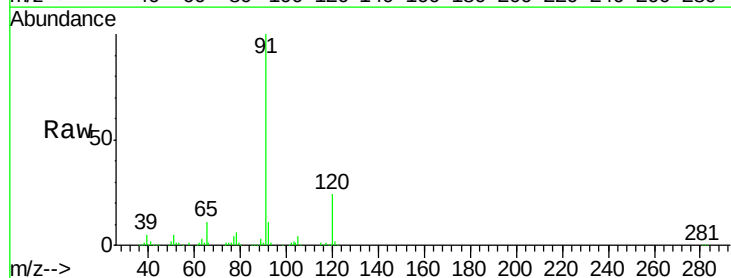
RT: 10.59 min Scan# 3110

Delta R.T. 0.00 min

Lab File: VU024931.D

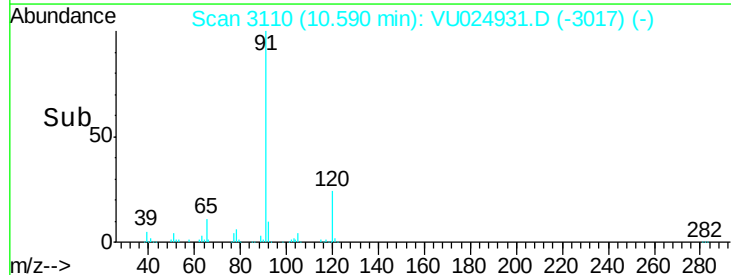
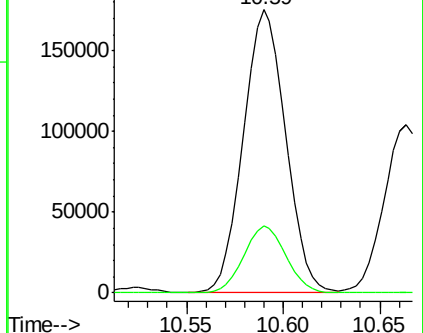
Acq: 26 Jun 2018 19:55

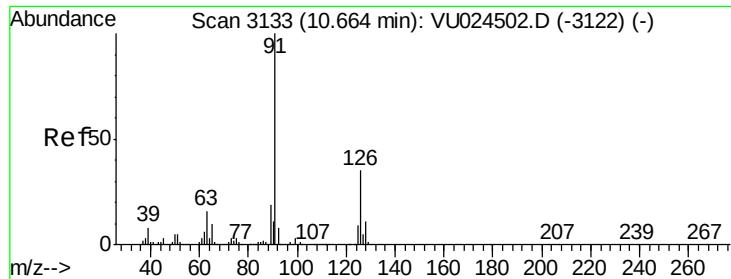
Tgt Ion:	91	Resp:	267388
Ion	Ratio	Lower	Upper
91	100		
120	23.6	11.2	33.5



Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 21.610 ug/l

RT: 10.66 min Scan# 3133

Delta R.T. 0.00 min

Lab File: VU024931.D

Acq: 26 Jun 2018 19:55

Instrument :

MSVOA_U

ClientSampleId :

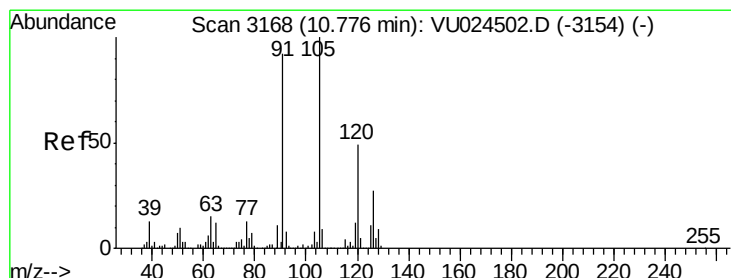
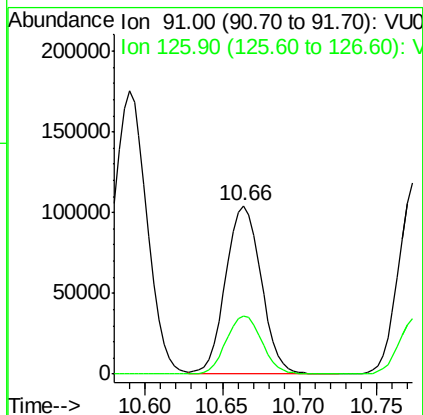
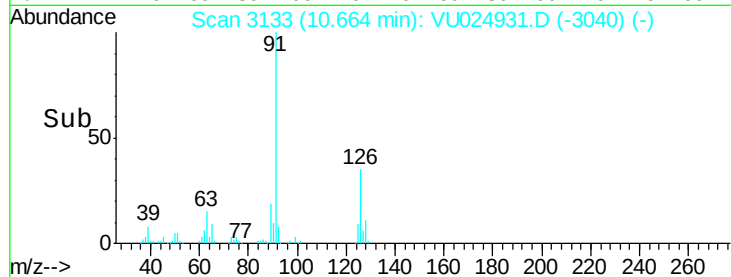
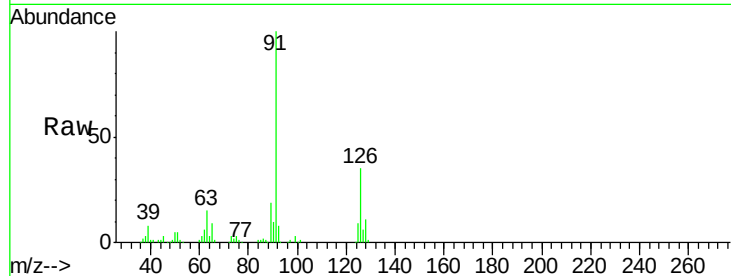
VU0627MBSD01

Tgt Ion: 91 Resp: 165978

Ion Ratio Lower Upper

91 100

126 34.6 16.9 50.7



#80

1,3,5-Trimethylbenzene

Concen: 21.339 ug/l

RT: 10.78 min Scan# 3168

Delta R.T. 0.00 min

Lab File: VU024931.D

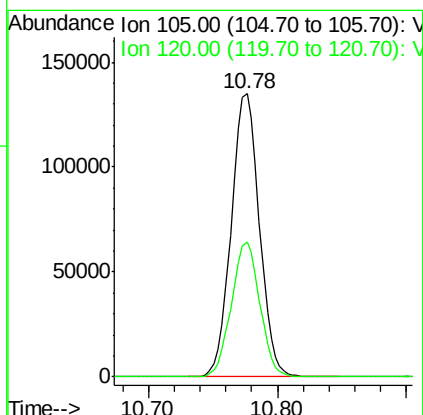
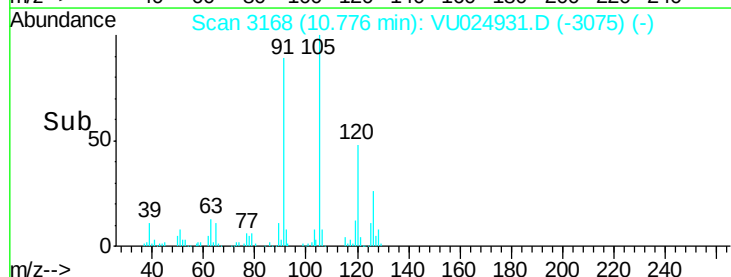
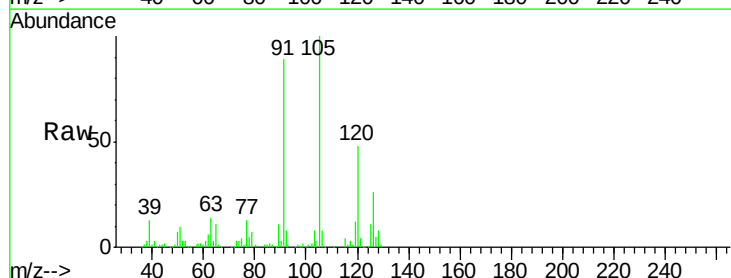
Acq: 26 Jun 2018 19:55

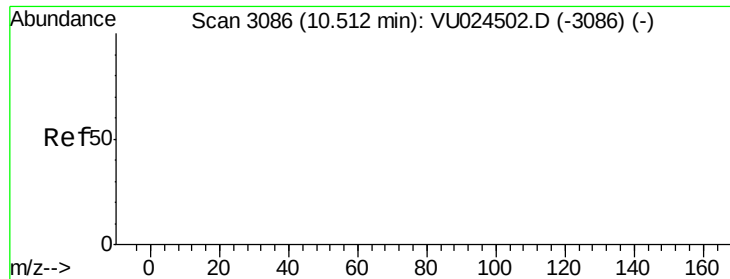
Tgt Ion: 105 Resp: 204489

Ion Ratio Lower Upper

105 100

120 48.0 24.1 72.2





#81

trans-1,4-Dichloro-2-butene

Concen: 72.889 ug/l

RT: 10.50 min Scan# 3081

Delta R.T. -0.02 min

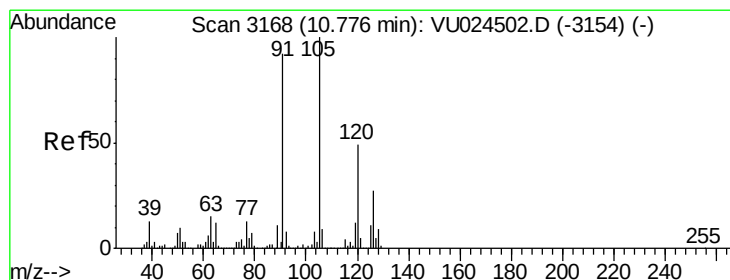
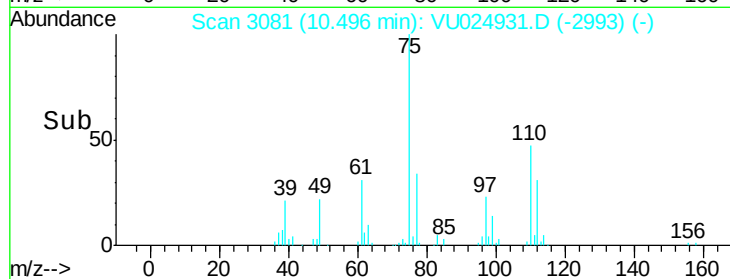
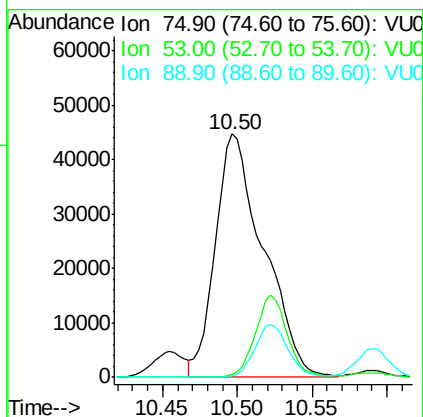
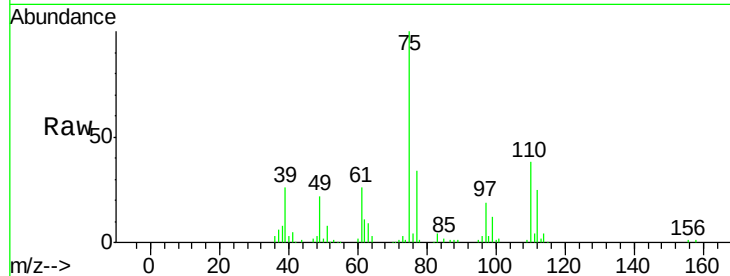
Lab File: VU024931.D

Acq: 26 Jun 2018 19:55

Instrument :
MSVOA_U
ClientSampleId :
VU0627MBSD01

Tgt Ion: 75 Resp: 99850

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



#82

4-Chlorotoluene

Concen: 20.904 ug/l

RT: 10.78 min Scan# 3168

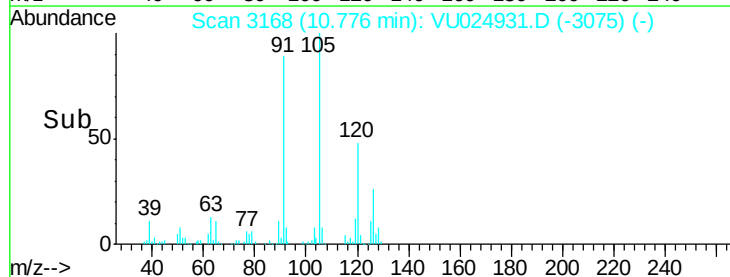
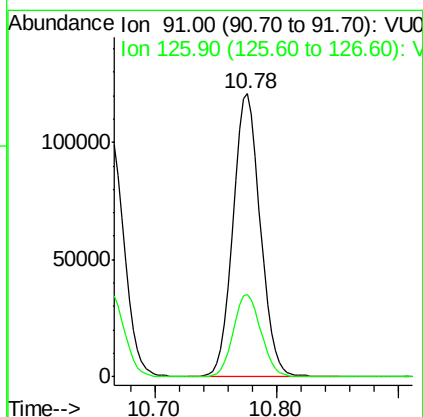
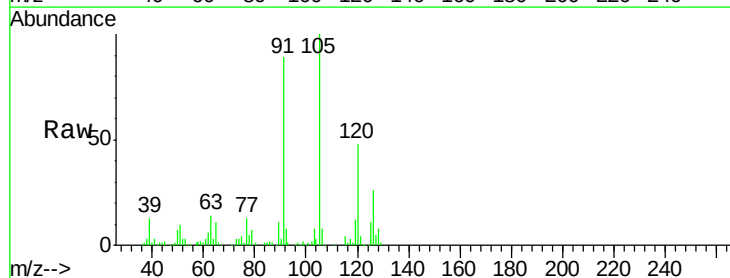
Delta R.T. 0.00 min

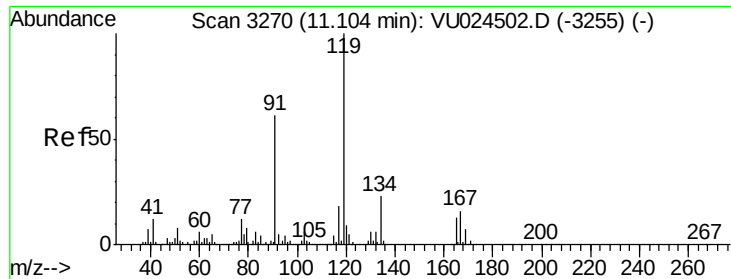
Lab File: VU024931.D

Acq: 26 Jun 2018 19:55

Tgt Ion: 91 Resp: 186866

Ion	Ratio	Lower	Upper
91	100		
126	29.8	14.9	44.9

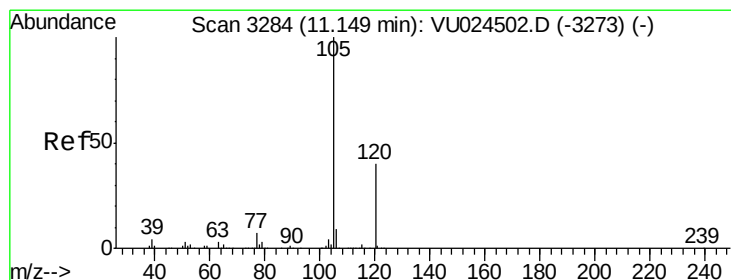
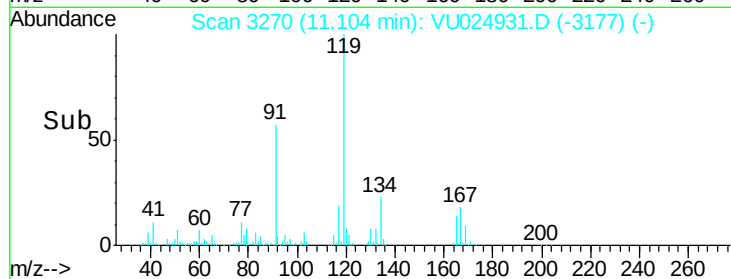
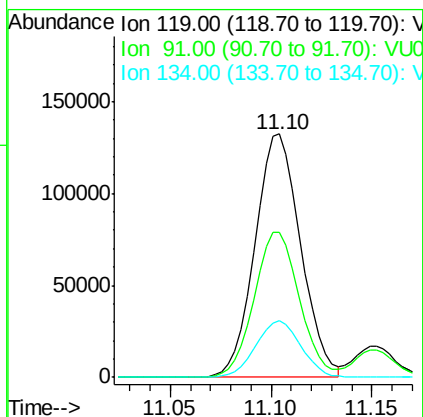
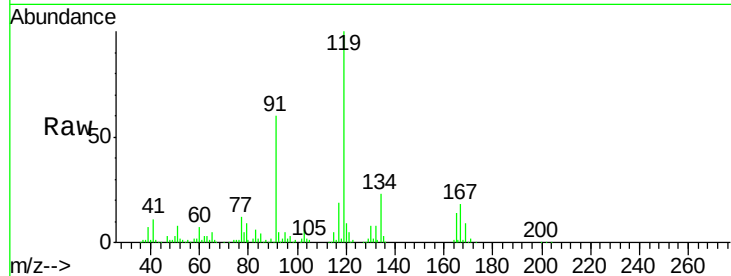




#83
 tert-Butylbenzene
 Concen: 22.682 ug/l
 RT: 11.10 min Scan# 3270
 Delta R.T. 0.00 min
 Lab File: VU024931.D
 Acq: 26 Jun 2018 19:55

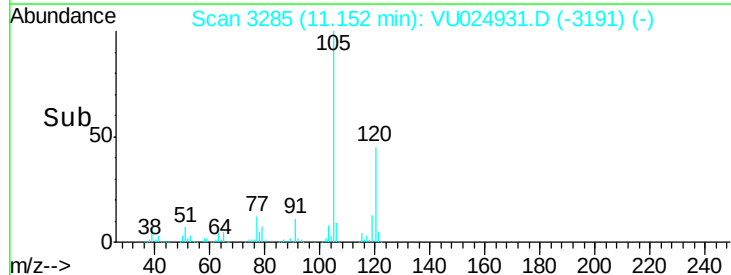
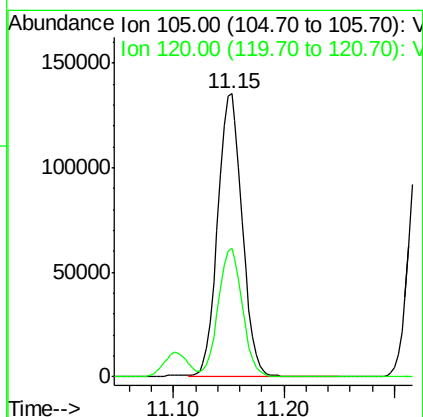
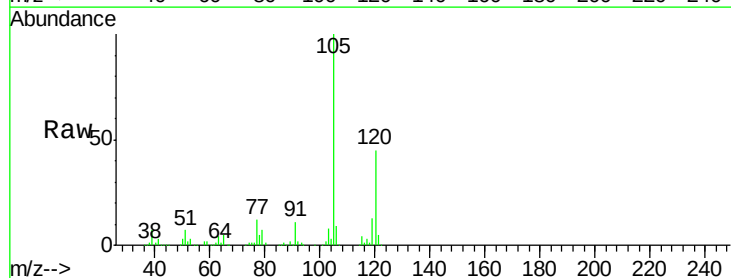
Instrument :
 MSVOA_U
 ClientSampleId :
 VU0627MBSD01

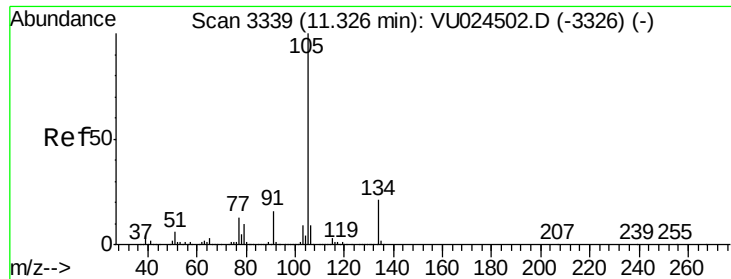
Tgt Ion	Ratio	Lower	Upper
119	100		
91	59.5	29.7	89.1
134	22.9	11.6	34.7



#84
 1,2,4-Trimethylbenzene
 Concen: 21.281 ug/l
 RT: 11.15 min Scan# 3285
 Delta R.T. 0.00 min
 Lab File: VU024931.D
 Acq: 26 Jun 2018 19:55

Tgt Ion	Ratio	Lower	Upper
105	100		
120	44.8	22.6	67.8





#85

sec-Butylbenzene

Concen: 21.216 ug/l

RT: 11.33 min Scan# 3339

Delta R.T. 0.00 min

Lab File: VU024931.D

Acq: 26 Jun 2018 19:55

Instrument :

MSVOA_U

ClientSampleId :

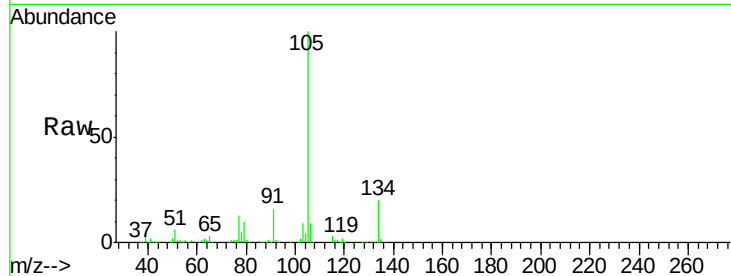
VU0627MBSD01

Tgt Ion:105 Resp: 244808

Ion Ratio Lower Upper

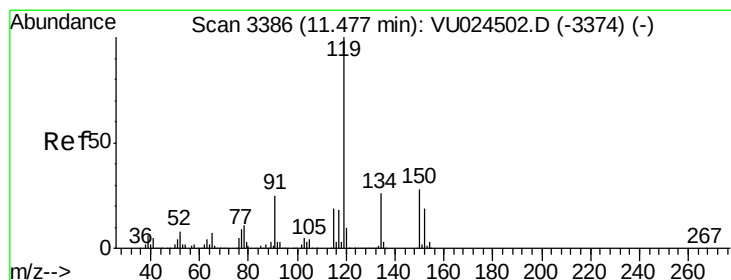
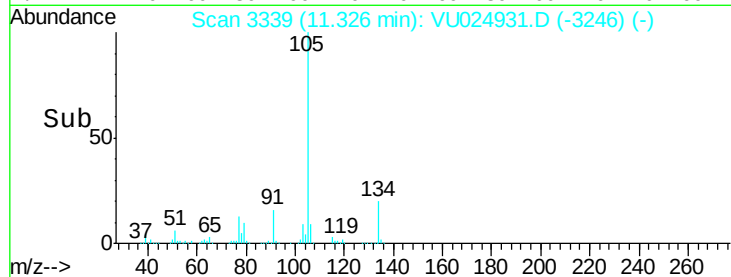
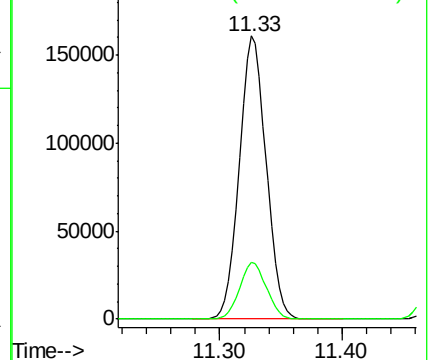
105 100

134 20.0 9.7 29.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 20.972 ug/l

RT: 11.48 min Scan# 3386

Delta R.T. 0.00 min

Lab File: VU024931.D

Acq: 26 Jun 2018 19:55

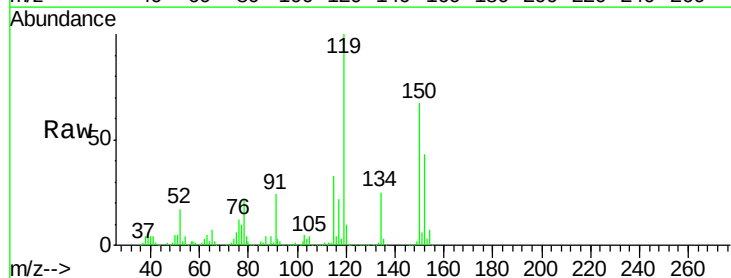
Tgt Ion:119 Resp: 216723

Ion Ratio Lower Upper

119 100

134 25.9 12.9 38.6

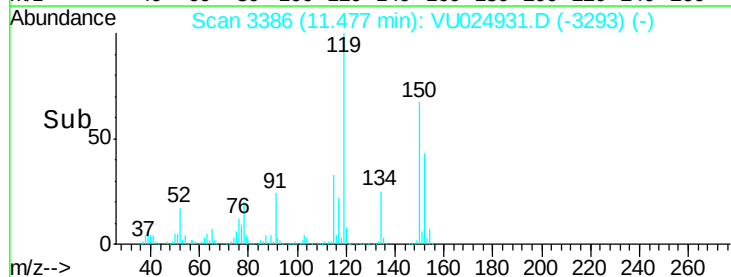
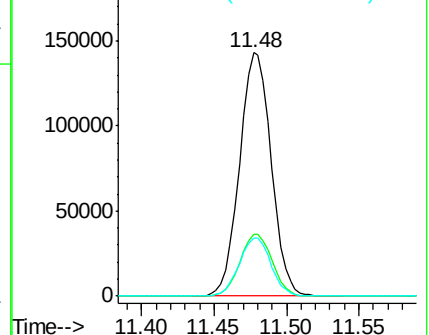
91 24.0 12.0 36.1

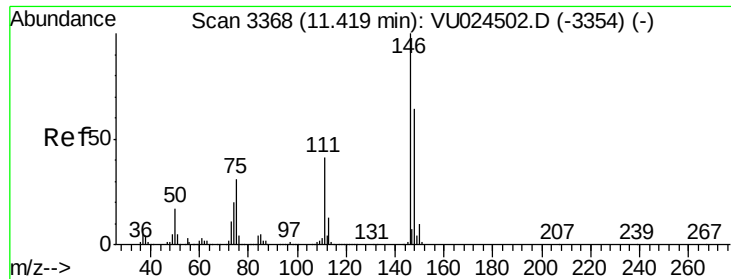


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VU0

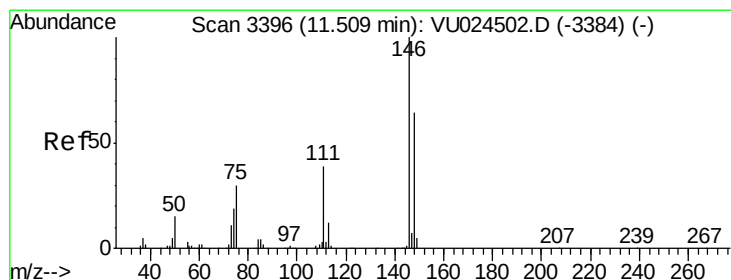
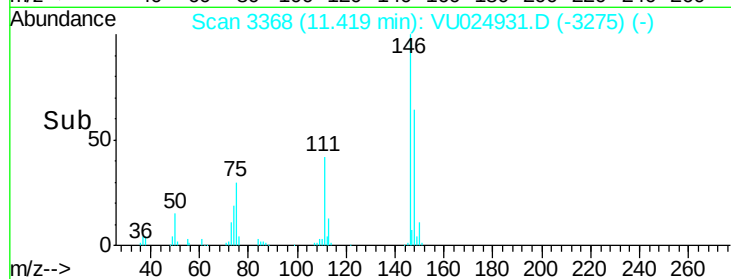
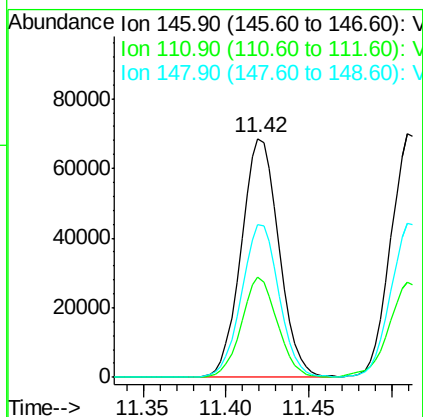
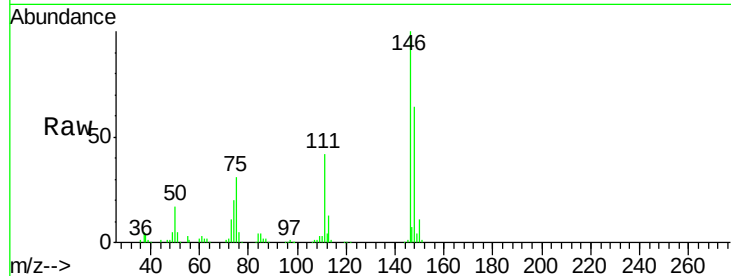




#87
 1,3-Dichlorobenzene
 Concen: 21.013 ug/l
 RT: 11.42 min Scan# 3368
 Delta R.T. 0.00 min
 Lab File: VU024931.D
 Acq: 26 Jun 2018 19:55

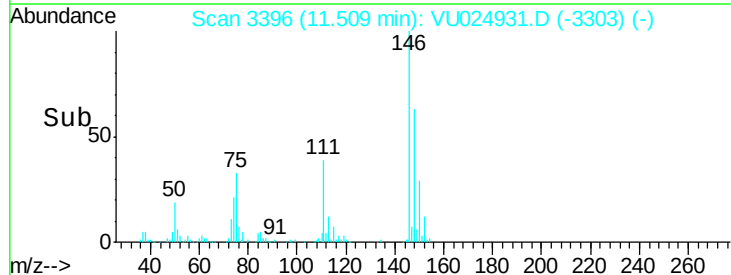
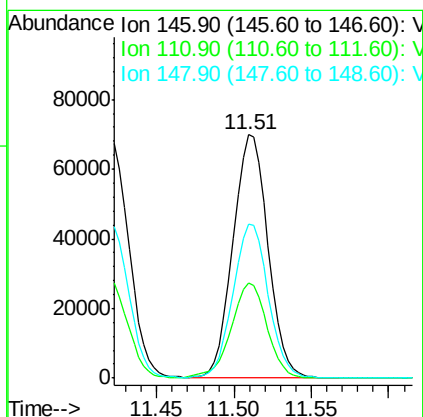
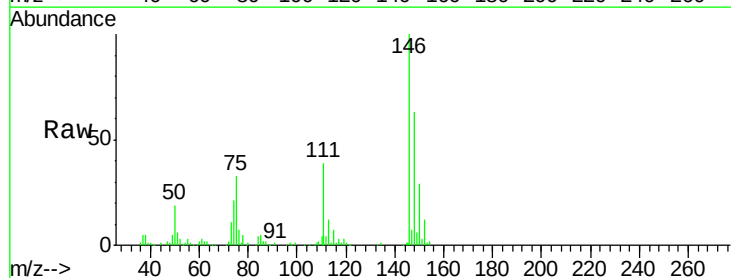
Instrument :
 MSVOA_U
 ClientSampleId :
 VU0627MBSD01

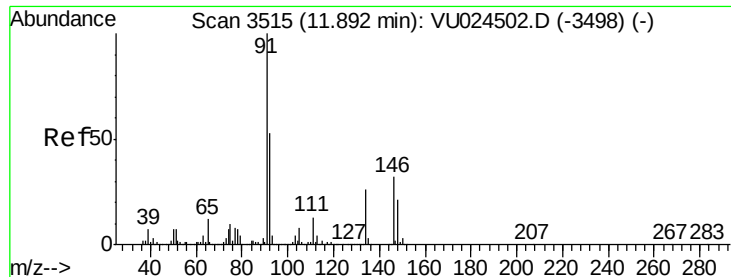
Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.9	20.0	60.0
148	63.6	32.1	96.5



#88
 1,4-Dichlorobenzene
 Concen: 20.997 ug/l
 RT: 11.51 min Scan# 3396
 Delta R.T. 0.00 min
 Lab File: VU024931.D
 Acq: 26 Jun 2018 19:55

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.3	19.5	58.5
148	64.6	32.4	97.0





#89

n-Butylbenzene

Concen: 18.917 ug/l

RT: 11.89 min Scan# 3515

Delta R.T. 0.00 min

Lab File: VU024931.D

Acq: 26 Jun 2018 19:55

Instrument :

MSVOA_U

ClientSampleId :

VU0627MBSD01

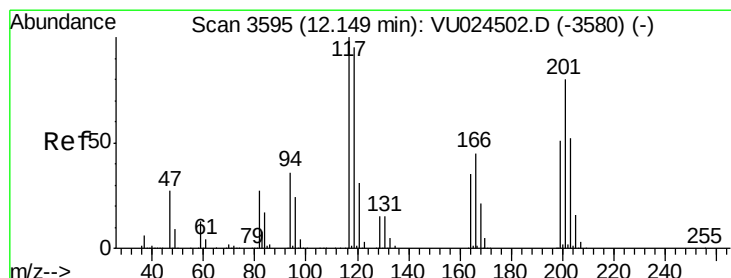
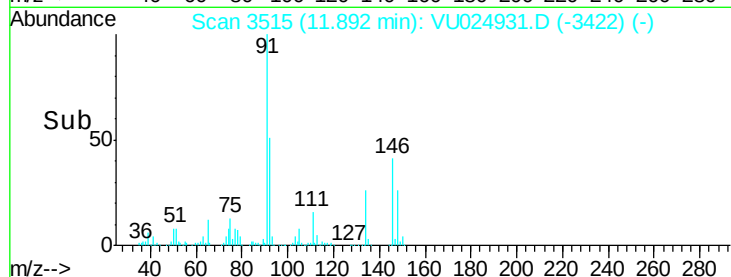
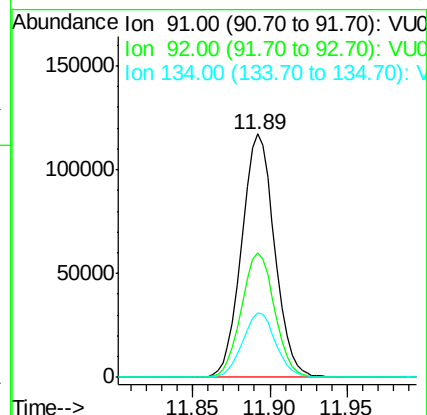
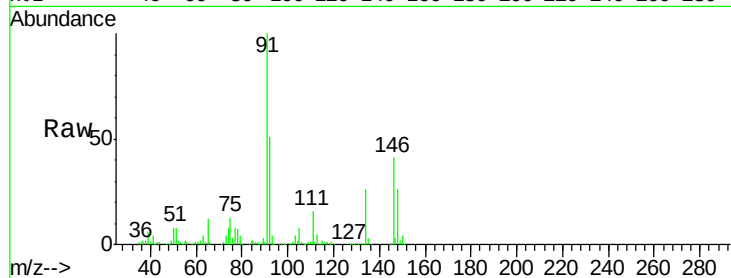
Tgt Ion: 91 Resp: 173561

Ion Ratio Lower Upper

91 100

92 51.8 25.6 76.8

134 26.6 12.3 36.8



#90

Hexachloroethane

Concen: 18.798 ug/l

RT: 12.15 min Scan# 3595

Delta R.T. 0.00 min

Lab File: VU024931.D

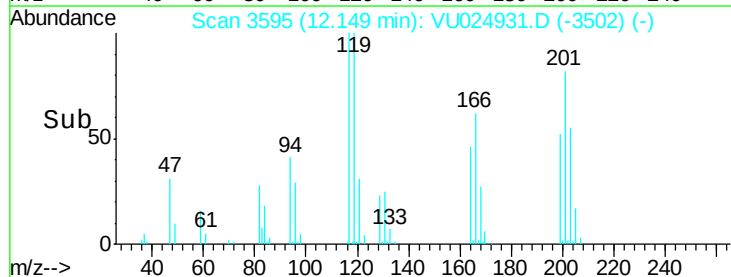
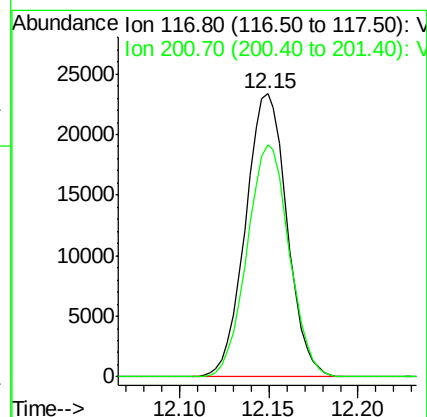
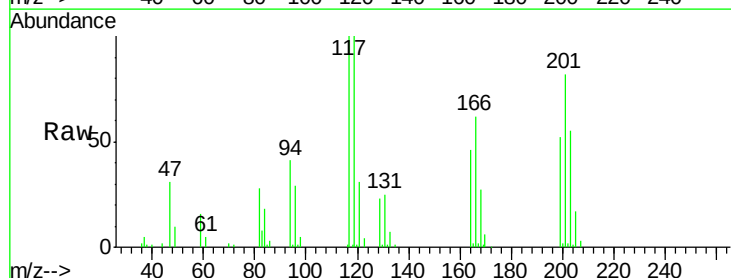
Acq: 26 Jun 2018 19:55

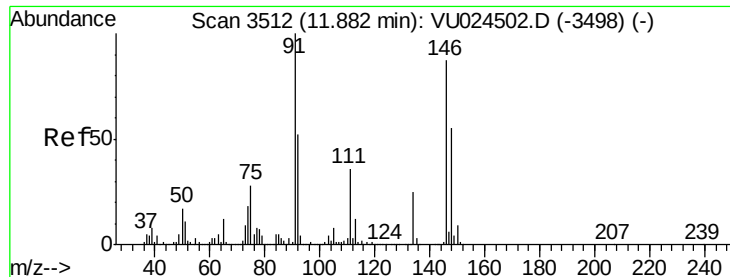
Tgt Ion: 117 Resp: 37895

Ion Ratio Lower Upper

117 100

201 83.2 41.1 123.3

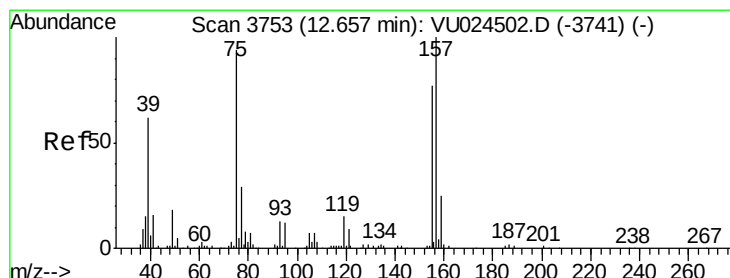
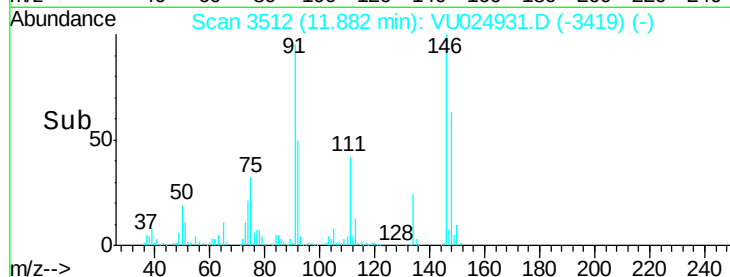
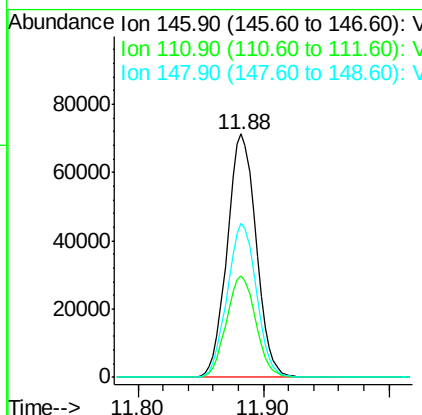
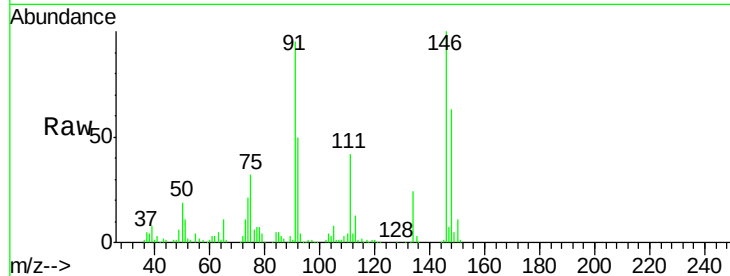




#91
 1,2-Dichlorobenzene
 Concen: 22.096 ug/l
 RT: 11.88 min Scan# 3512
 Delta R.T. 0.00 min
 Lab File: VU024931.D
 Acq: 26 Jun 2018 19:55

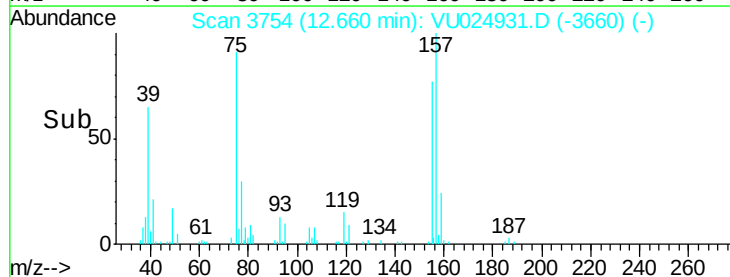
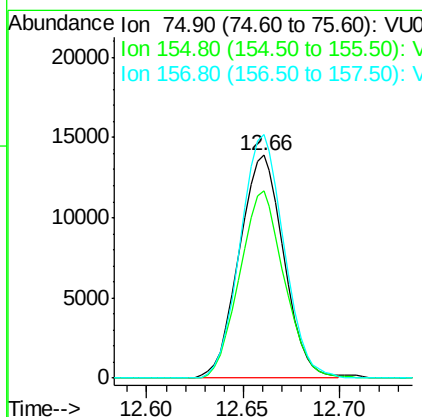
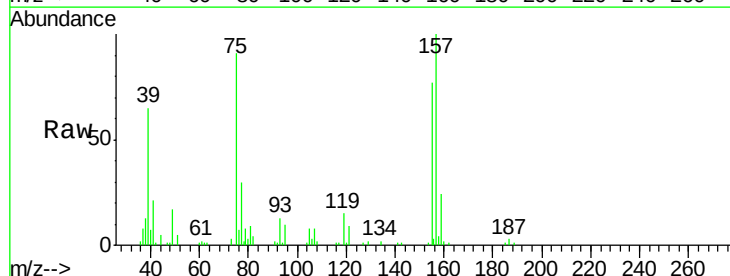
Instrument :
 MSVOA_U
 ClientSampleId :
 VU0627MBSD01

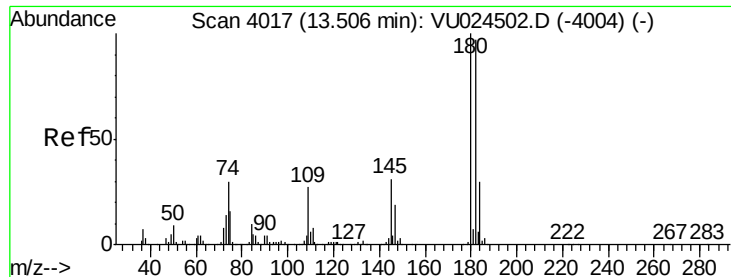
Tgt Ion: 146 Resp: 114450
 Ion Ratio Lower Upper
 146 100
 111 42.0 20.5 61.6
 148 63.4 31.9 95.7



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 21.823 ug/l
 RT: 12.66 min Scan# 3754
 Delta R.T. 0.00 min
 Lab File: VU024931.D
 Acq: 26 Jun 2018 19:55

Tgt Ion: 75 Resp: 22310
 Ion Ratio Lower Upper
 75 100
 155 83.8 40.4 121.2
 157 106.9 52.3 156.8

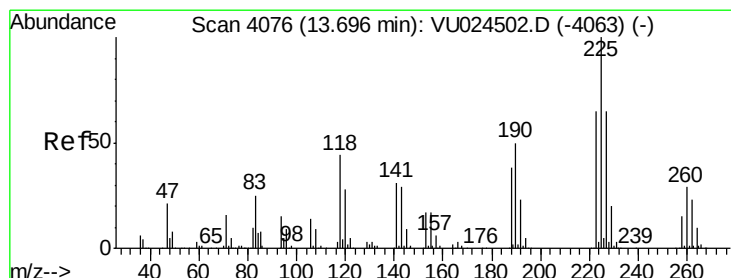
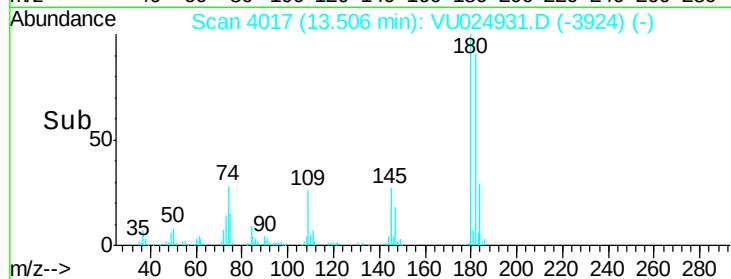
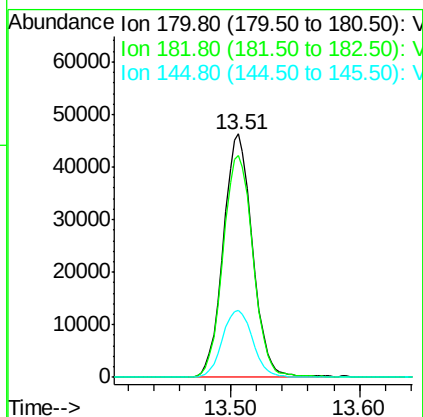
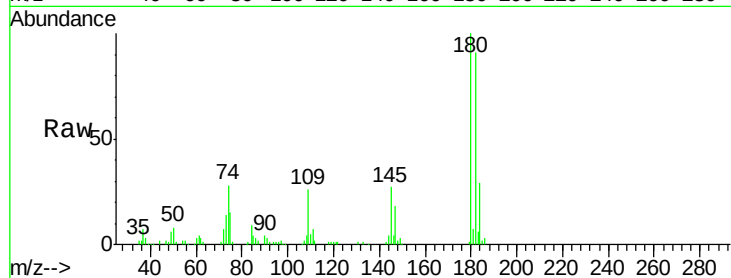




#93
 1,2,4-Trichlorobenzene
 Concen: 22.716 ug/l
 RT: 13.51 min Scan# 4017
 Delta R.T. 0.00 min
 Lab File: VU024931.D
 Acq: 26 Jun 2018 19:55

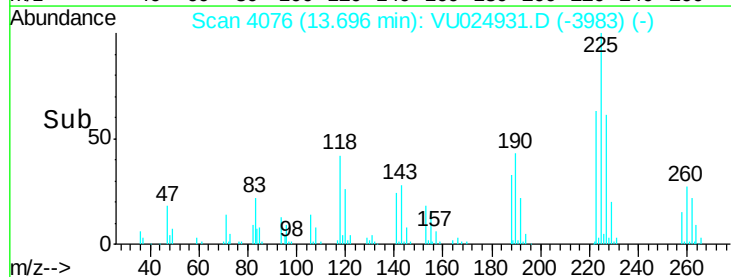
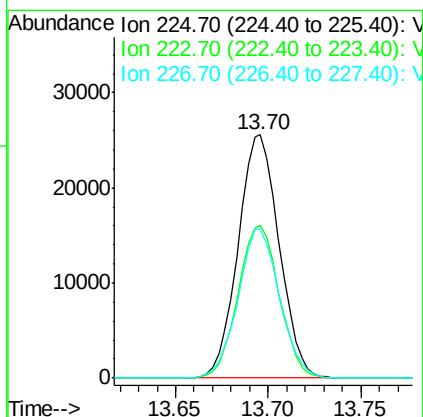
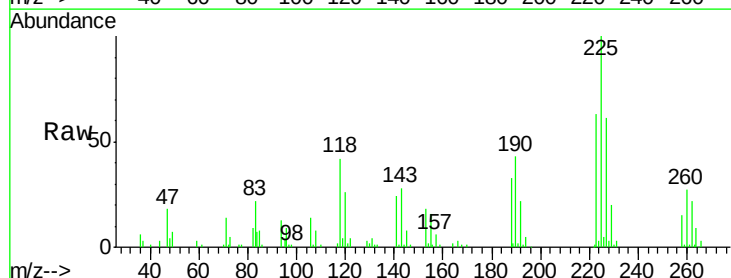
Instrument :
 MSVOA_U
 ClientSampleId :
 VU0627MBSD01

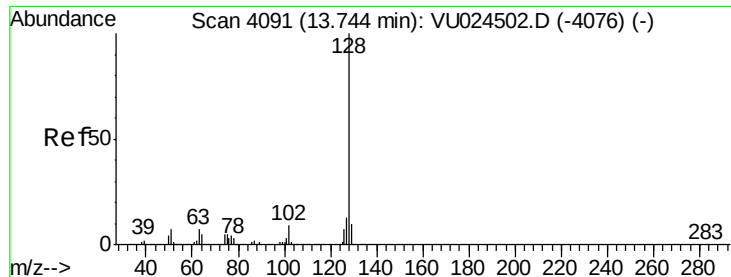
Tgt Ion:180 Resp: 72658
 Ion Ratio Lower Upper
 180 100
 182 93.9 48.0 144.2
 145 28.6 14.7 44.1



#94
 Hexachlorobutadiene
 Concen: 21.847 ug/l
 RT: 13.70 min Scan# 4076
 Delta R.T. 0.00 min
 Lab File: VU024931.D
 Acq: 26 Jun 2018 19:55

Tgt Ion:225 Resp: 39331
 Ion Ratio Lower Upper
 225 100
 223 62.6 31.3 93.8
 227 62.0 31.8 95.4





#95

Naphthalene

Concen: 23.655 ug/l

RT: 13.74 min Scan# 4091

Delta R.T. 0.00 min

Lab File: VU024931.D

Acq: 26 Jun 2018 19:55

Instrument :

MSVOA_U

ClientSampleId :

VU0627MBSD01

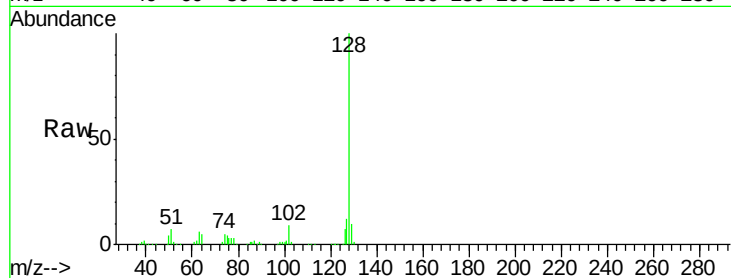
Tgt Ion:128 Resp: 246639

Ion Ratio Lower Upper

128 100

127 12.7 10.6 16.0

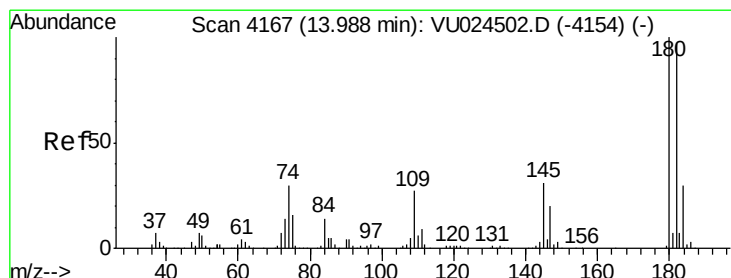
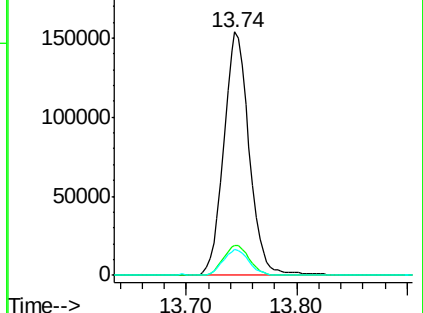
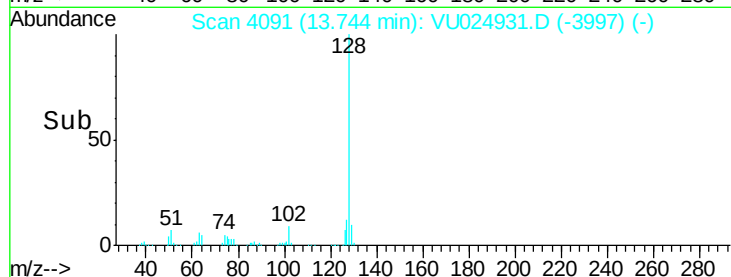
129 10.4 8.6 12.8



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: 24.001 ug/l

RT: 13.99 min Scan# 4168

Delta R.T. 0.00 min

Lab File: VU024931.D

Acq: 26 Jun 2018 19:55

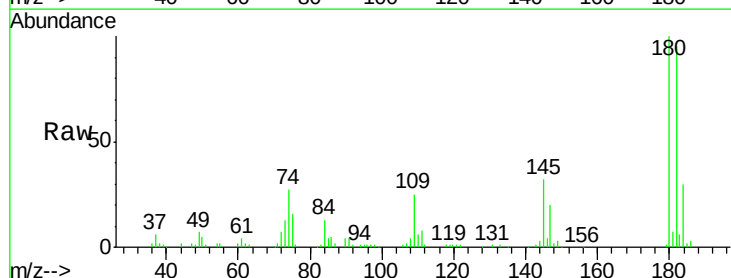
Tgt Ion:180 Resp: 76496

Ion Ratio Lower Upper

180 100

182 95.7 47.9 143.7

145 31.6 15.4 46.1



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

