

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU071218\
 Data File : VU025339.D
 Acq On : 12 Jul 2018 15:06
 Operator : MD/SY
 Sample : VU0712WBS01
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0712WBS01

Quant Time: Jul 13 01:09:04 2018
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\82U070918W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 10 09:34:16 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.99	168	158466	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	232552	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	214855	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.49	152	129342	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.31	65	96449	39.18	ug/l	0.00
Spiked Amount	50.000		Recovery	=	78.36%	
35) Dibromofluoromethane	4.89	113	75996	38.74	ug/l	0.00
Spiked Amount	50.000		Recovery	=	77.48%	
50) Toluene-d8	7.57	98	251461	37.43	ug/l	0.00
Spiked Amount	50.000		Recovery	=	74.86%	
62) 4-Bromofluorobenzene	10.31	95	104049	38.47	ug/l	0.00
Spiked Amount	50.000		Recovery	=	76.94%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.21	85	29847	18.20	ug/l	100
3) Chloromethane	1.33	50	30622	19.09	ug/l	99
4) Vinyl Chloride	1.40	62	33428	18.55	ug/l	100
5) Bromomethane	1.63	94	22009	20.80	ug/l	99
6) Chloroethane	1.70	64	22771	20.04	ug/l	98
7) Trichlorofluoromethane	1.89	101	56284	19.87	ug/l	100
8) Diethyl Ether	2.10	74	21929	20.63	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	2.29	101	35061	19.98	ug/l	99
10) Methyl Iodide	2.41	142	32265	21.60	ug/l	99
11) Tert butyl alcohol	2.82	59	50135	93.35	ug/l	99
12) 1,1-Dichloroethene	2.28	96	30119	18.75	ug/l	96
13) Acrolein	2.19	56	17009	47.87	ug/l	95
14) Allyl chloride	2.59	41	54104	18.57	ug/l	98
15) Acrylonitrile	2.94	53	110397	99.98	ug/l	98
16) Acetone	2.32	43	128433	105.11	ug/l	99
17) Carbon Disulfide	2.48	76	74355	17.16	ug/l	98
18) Methyl Acetate	2.62	43	55247	21.92	ug/l	99
19) Methyl tert-butyl Ether	3.00	73	124915	20.44	ug/l	99
20) Methylene Chloride	2.70	84	38716	20.74	ug/l	96
21) trans-1,2-Dichloroethene	2.99	96	33763	18.39	ug/l	92
22) Diisopropyl ether	3.57	45	121261	20.38	ug/l	95
23) Vinyl Acetate	3.53	43	516089	98.89	ug/l	100
24) 1,1-Dichloroethane	3.45	63	70291	20.95	ug/l	99
25) 2-Butanone	4.26	43	168567	98.78	ug/l	100
26) 2,2-Dichloropropane	4.23	77	64778	20.08	ug/l	98
27) cis-1,2-Dichloroethene	4.23	96	41647	19.61	ug/l	98
28) Bromochloromethane	4.55	49	22536	13.91	ug/l	97
29) Tetrahydrofuran	4.64	42	97838	95.59	ug/l	99
30) Chloroform	4.68	83	72797	20.49	ug/l	98
31) Cyclohexane	5.00	56	60617	19.95	ug/l	95
32) 1,1,1-Trichloroethane	4.92	97	65724	20.41	ug/l	98
36) 1,1-Dichloropropene	5.14	75	50719	19.62	ug/l	99
37) Ethyl Acetate	4.38	43	55934	19.40	ug/l	98
38) Carbon Tetrachloride	5.14	117	56142	20.18	ug/l	98

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 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
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 VU0712WBS01

Quant Time: Jul 13 01:09:04 2018
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\82U070918W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 10 09:34:16 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.42	83	61327	19.02	ug/l	97
40) Benzene	5.39	78	149122	20.02	ug/l	97
41) Methacrylonitrile	4.55	41	31845	19.92	ug/l	98
42) 1,2-Dichloroethane	5.41	62	62635	21.15	ug/l	99
43) Isopropyl Acetate	5.55	43	93871	20.33	ug/l	99
44) Trichloroethene	6.19	130	41653	19.47	ug/l	97
45) 1,2-Dichloropropane	6.44	63	39455	20.22	ug/l	100
46) Dibromomethane	6.56	93	28966	20.40	ug/l	98
47) Bromodichloromethane	6.76	83	54084	20.50	ug/l	99
48) Methyl methacrylate	6.63	41	47978	20.84	ug/l	99
49) 1,4-Dioxane	6.62	88	23073	416.58	ug/l	96
51) 4-Methyl-2-Pentanone	7.46	43	301840	100.58	ug/l	99
52) Toluene	7.64	92	96155	20.29	ug/l	98
53) t-1,3-Dichloropropene	7.88	75	58157	20.06	ug/l	97
54) cis-1,3-Dichloropropene	7.27	75	60671	19.67	ug/l	98
55) 1,1,2-Trichloroethane	8.07	97	40096	20.31	ug/l	97
56) Ethyl methacrylate	8.02	69	61330	19.89	ug/l	100
57) 1,3-Dichloropropane	8.25	76	67657	20.64	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.13	63	125726	90.78	ug/l	99
59) 2-Hexanone	8.36	43	231547	95.12	ug/l	99
60) Dibromochloromethane	8.48	129	42225	19.81	ug/l	99
61) 1,2-Dibromoethane	8.59	107	43888	20.78	ug/l	99
64) Tetrachloroethene	8.23	164	40118	20.48	ug/l	92
65) Chlorobenzene	9.12	112	109211	20.35	ug/l	99
66) 1,1,1,2-Tetrachloroethane	9.21	131	40070	20.87	ug/l	95
67) Ethyl Benzene	9.25	91	187875	20.53	ug/l	98
68) m/p-Xylenes	9.38	106	143999	40.70	ug/l	96
69) o-Xylene	9.78	106	72529	20.48	ug/l	96
70) Styrene	9.80	104	116560	20.72	ug/l	99
71) Bromoform	9.96	173	31771	20.14	ug/l	# 100
73) Isopropylbenzene	10.17	105	199446	20.18	ug/l	99
74) N-amyl acetate	10.01	43	77988	20.06	ug/l	99
75) 1,1,2,2-Tetrachloroethane	10.46	83	64307	19.89	ug/l	98
76) 1,2,3-Trichloropropane	10.50	75	72683	27.62	ug/l	85
77) Bromobenzene	10.45	156	49851	19.72	ug/l	99
78) n-propylbenzene	10.59	91	220122	20.07	ug/l	100
79) 2-Chlorotoluene	10.66	91	134567	21.45	ug/l	99
80) 1,3,5-Trimethylbenzene	10.78	105	167287	20.12	ug/l	100
81) trans-1,4-Dichloro-2-buten	10.50	75	72683	70.54	ug/l	# 100
82) 4-Chlorotoluene	10.78	91	152660	19.66	ug/l	100
83) tert-Butylbenzene	11.10	119	167492	19.93	ug/l	99
84) 1,2,4-Trimethylbenzene	11.15	105	167586	19.66	ug/l	99
85) sec-Butylbenzene	11.33	105	202959	20.51	ug/l	100
86) p-Isopropyltoluene	11.48	119	176638	20.16	ug/l	100
87) 1,3-Dichlorobenzene	11.42	146	90931	19.68	ug/l	100
88) 1,4-Dichlorobenzene	11.51	146	91655	21.19	ug/l	100
89) n-Butylbenzene	11.89	91	138083	19.17	ug/l	99
90) Hexachloroethane	12.15	117	28320	19.09	ug/l	98
91) 1,2-Dichlorobenzene	11.88	146	93277	19.99	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	12.66	75	15651	19.96	ug/l	91

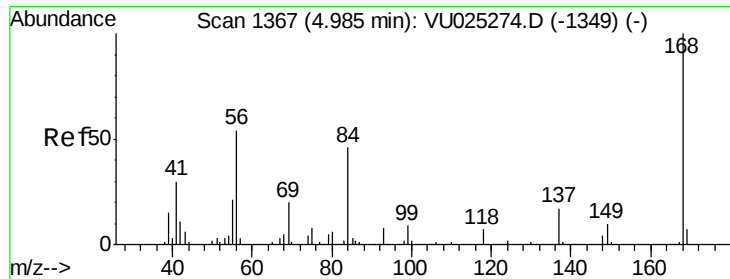
Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU071218\
Data File : VU025339.D
Acq On : 12 Jul 2018 15:06
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Quant Time: Jul 13 01:09:04 2018
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\82U070918W.M
Quant Title : SW846 8260
QLast Update : Tue Jul 10 09:34:16 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.51	180	53875	19.39	ug/l	100
94) Hexachlorobutadiene	13.70	225	32282	19.34	ug/l	100
95) Naphthalene	13.75	128	163400	18.79	ug/l	100
96) 1,2,3-Trichlorobenzene	13.99	180	56911	19.56	ug/l	96

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 4.99 min Scan# 1367

Delta R.T. 0.00 min

Lab File: VU025339.D

Acq: 12 Jul 2018 15:06

Instrument :

MSVOA_U

ClientSampleId :

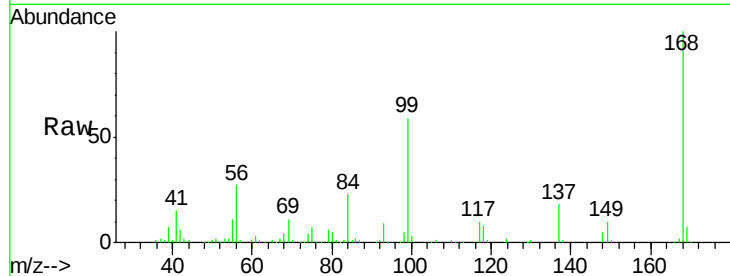
VU0712WBS01

Tot Ion:168 Resp: 158466

Ion Ratio Lower Upper

168 100

99 59.2 42.8 64.2



Abundance Ion 167.90 (167.60 to 168.60): VU025274.D (-1349) (-)

Ion 98.90 (98.60 to 99.60): VU025274.D (-1349) (-)

4.99

80000

60000

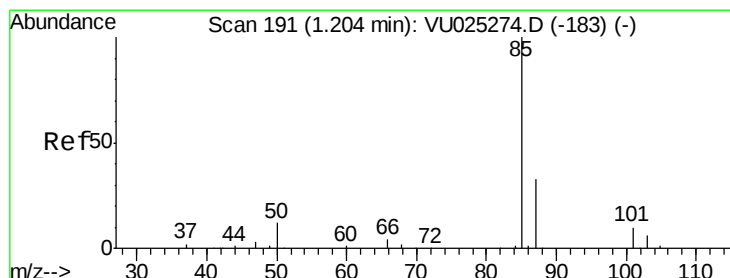
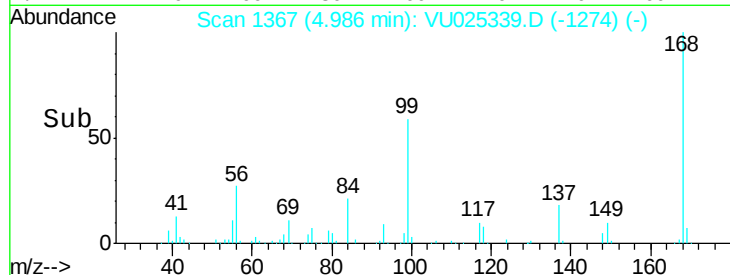
40000

20000

0

4.90 5.00 5.10

Time-->



#2

Dichlorodifluoromethane

Concen: 18.20 ug/l

RT: 1.21 min Scan# 192

Delta R.T. 0.00 min

Lab File: VU025339.D

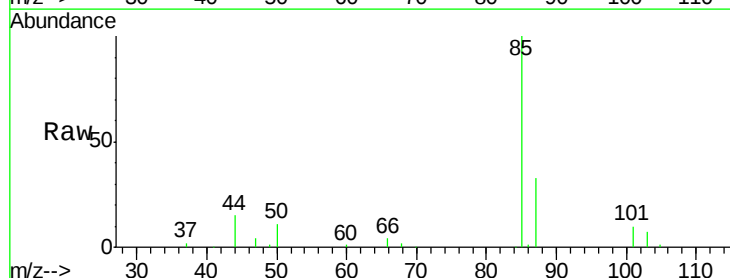
Acq: 12 Jul 2018 15:06

Tgt Ion: 85 Resp: 29847

Ion Ratio Lower Upper

85 100

87 32.8 16.5 49.5



Abundance Ion 84.90 (84.60 to 85.60): VU025274.D (-183) (-)

Ion 86.90 (86.60 to 87.60): VU025274.D (-183) (-)

1.21

30000

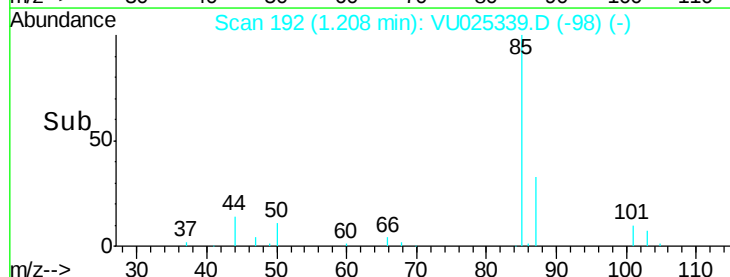
20000

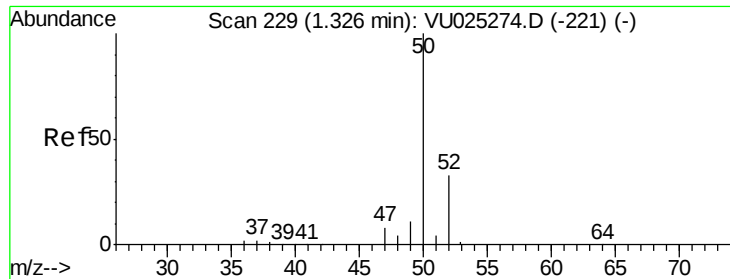
10000

0

1.15 1.20 1.25

Time-->

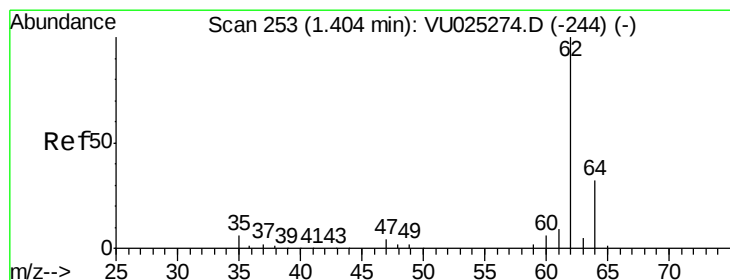
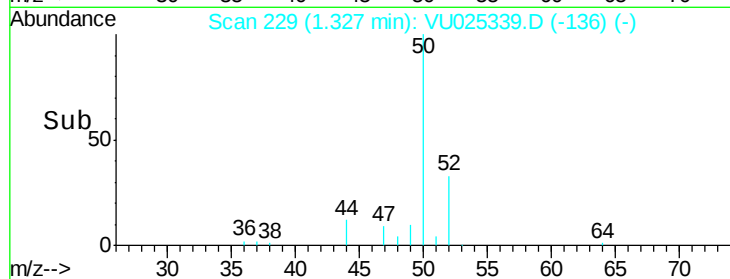
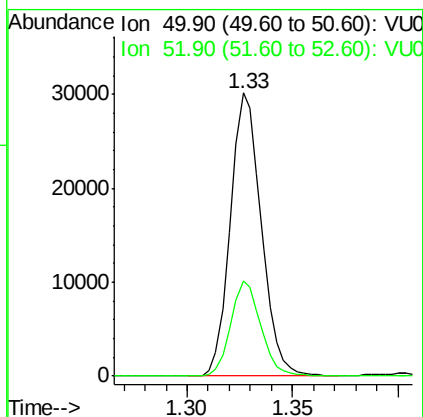
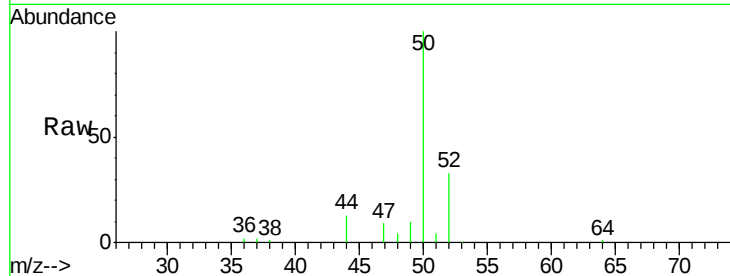




#3
Chloromethane
Concen: 19.09 ug/l
RT: 1.33 min Scan# 229
Delta R.T. 0.00 min
Lab File: VU025339.D
Acq: 12 Jul 2018 15:06

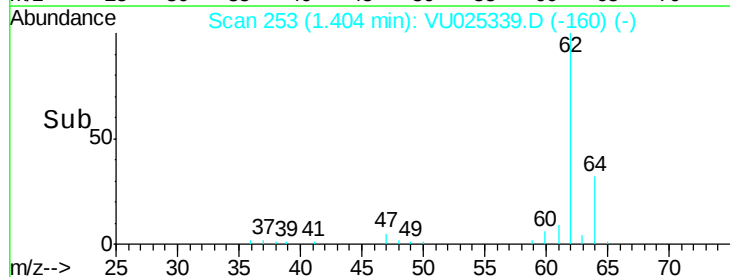
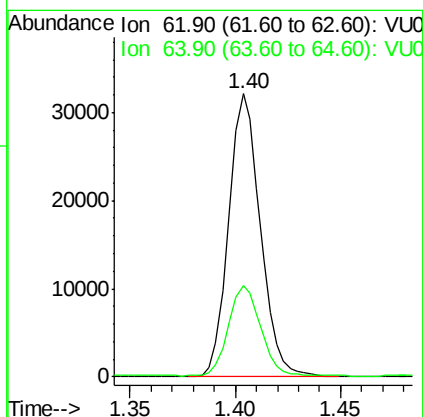
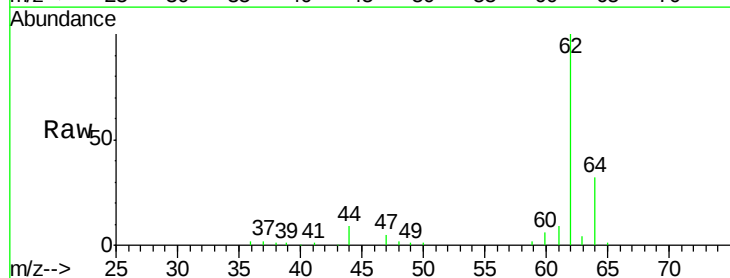
Instrument :
MSVOA_U
ClientSampleId :
VU0712WBS01

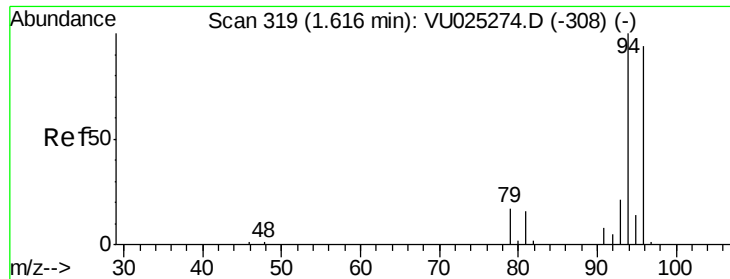
Tot Ion: 50 Resp: 30622
Ion Ratio Lower Upper
50 100
52 33.5 26.5 39.7



#4
Vinyl Chloride
Concen: 18.55 ug/l
RT: 1.40 min Scan# 253
Delta R.T. 0.00 min
Lab File: VU025339.D
Acq: 12 Jul 2018 15:06

Tgt Ion: 62 Resp: 33428
Ion Ratio Lower Upper
62 100
64 31.7 25.4 38.0





#5

Bromomethane

Concen: 20.80 ug/l

RT: 1.63 min Scan# 322

Delta R.T. 0.01 min

Lab File: VU025339.D

Acq: 12 Jul 2018 15:06

Instrument :

MSVOA_U

ClientSampleId :

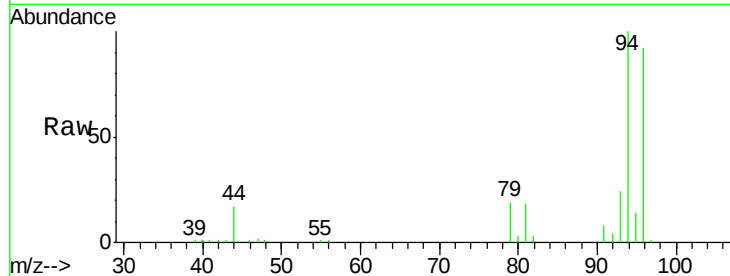
VU0712WBS01

Tot Ion: 94 Resp: 22009

Ion Ratio Lower Upper

94 100

96 92.5 75.0 112.4



Abundance Ion 93.90 (93.60 to 94.60): VU0

Ion 95.90 (95.60 to 96.60): VU0

1.63

20000

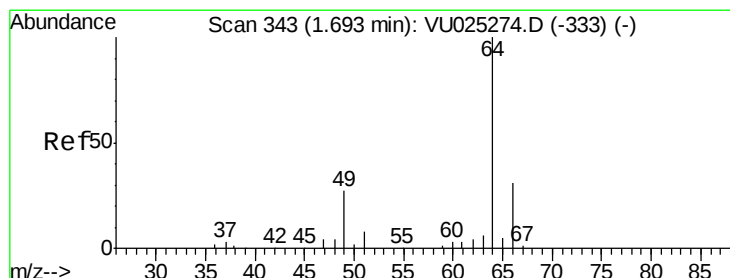
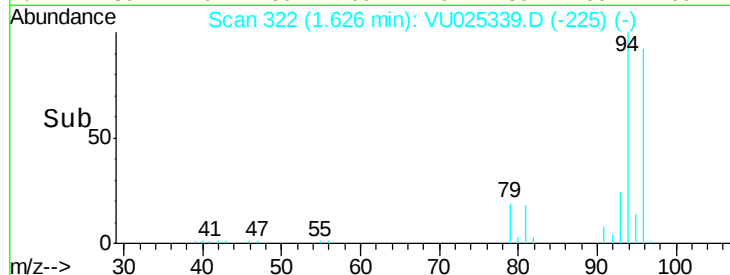
15000

10000

5000

0

Time-->



#6

Chloroethane

Concen: 20.04 ug/l

RT: 1.70 min Scan# 345

Delta R.T. 0.01 min

Lab File: VU025339.D

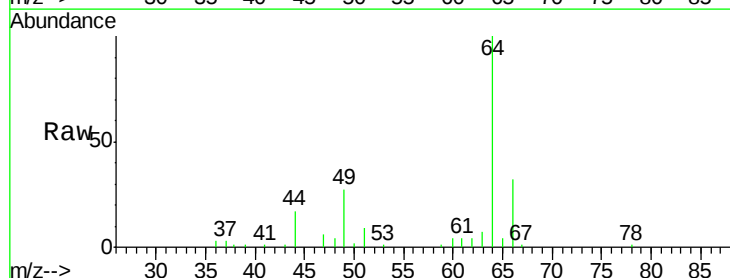
Acq: 12 Jul 2018 15:06

Tgt Ion: 64 Resp: 22771

Ion Ratio Lower Upper

64 100

66 32.3 25.0 37.4



Abundance Ion 63.90 (63.60 to 64.60): VU0

Ion 65.90 (65.60 to 66.60): VU0

1.70

20000

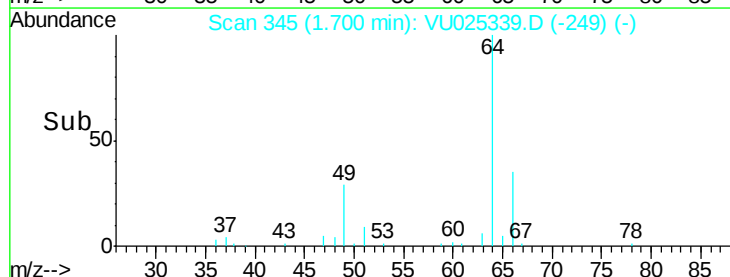
15000

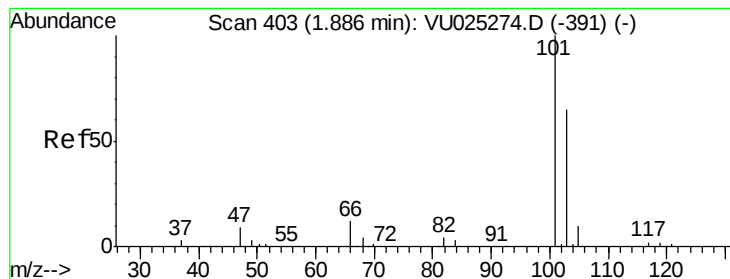
10000

5000

0

Time-->





#7

Trichlorofluoromethane

Concen: 19.87 ug/l

RT: 1.89 min Scan# 403

Delta R.T. 0.00 min

Lab File: VU025339.D

Acq: 12 Jul 2018 15:06

Instrument :

MSVOA_U

ClientSampleId :

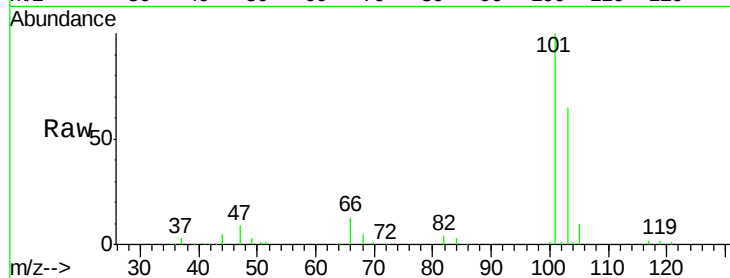
VU0712WBS01

Tot Ion:101 Resp: 56284

Ion Ratio Lower Upper

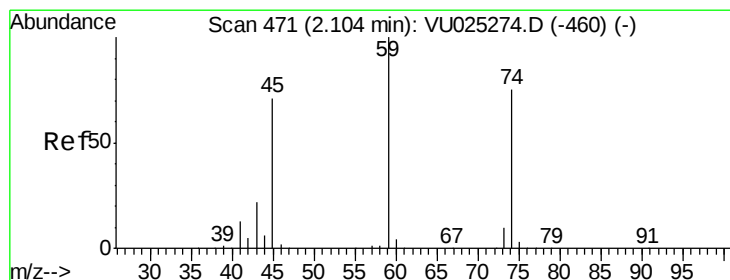
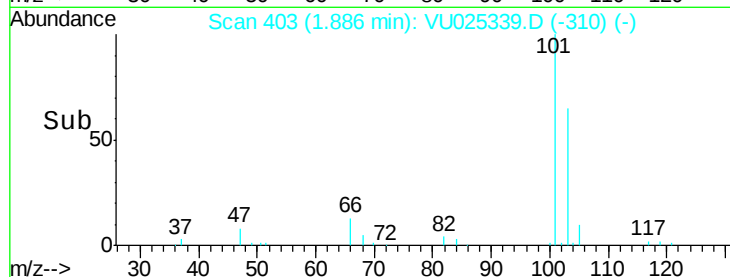
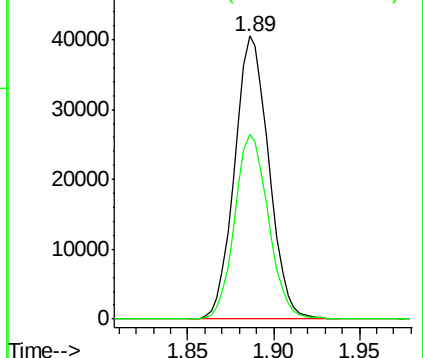
101 100

103 65.2 52.2 78.2



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 102.80 (102.50 to 103.50): V



#8

Diethyl Ether

Concen: 20.63 ug/l

RT: 2.10 min Scan# 471

Delta R.T. 0.00 min

Lab File: VU025339.D

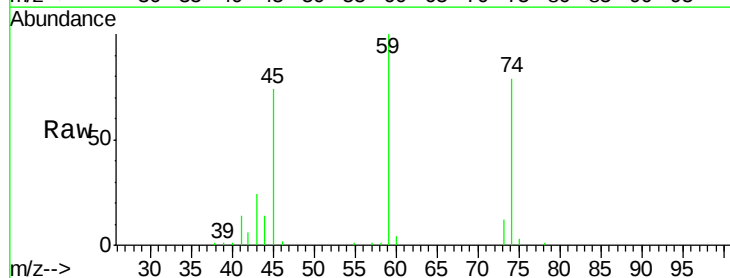
Acq: 12 Jul 2018 15:06

Tgt Ion: 74 Resp: 21929

Ion Ratio Lower Upper

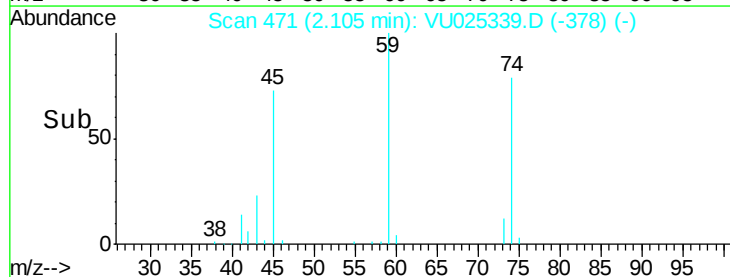
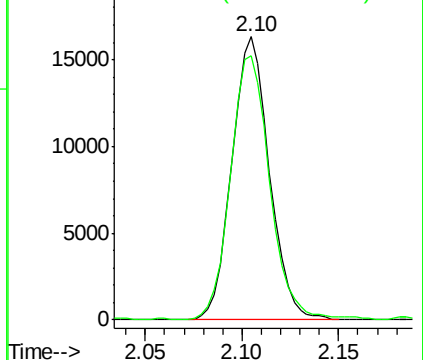
74 100

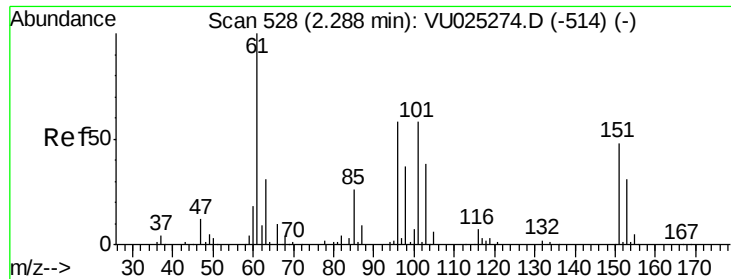
45 98.4 48.3 144.9



Abundance Ion 74.00 (73.70 to 74.70): VU0

Ion 45.00 (44.70 to 45.70): VU0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.98 ug/l

RT: 2.29 min Scan# 528

Delta R.T. 0.00 min

Lab File: VU025339.D

Acq: 12 Jul 2018 15:06

Instrument :

MSVOA_U

ClientSampleId :

VU0712WBS01

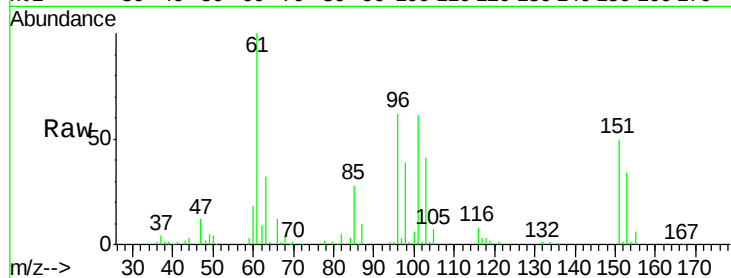
Tot Ion:101 Resp: 35061

Ion Ratio Lower Upper

101 100

85 45.2 36.0 54.0

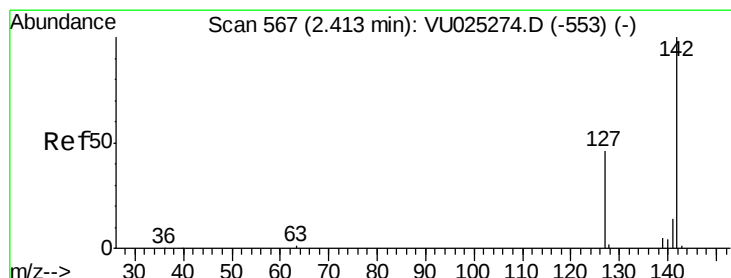
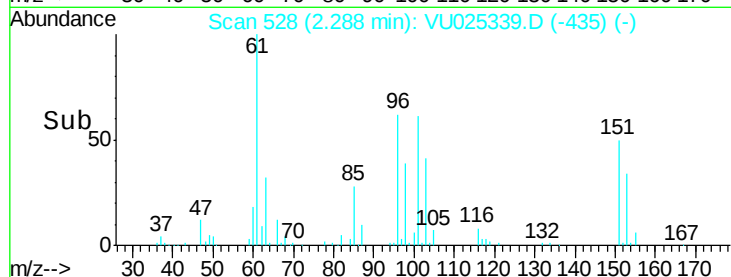
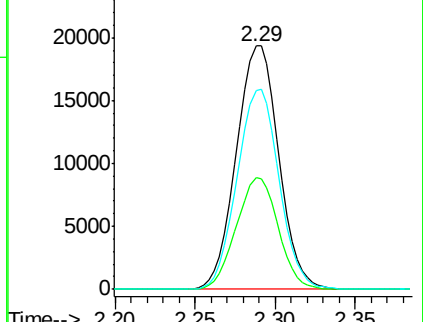
151 81.3 65.6 98.4



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: 21.60 ug/l

RT: 2.41 min Scan# 567

Delta R.T. 0.00 min

Lab File: VU025339.D

Acq: 12 Jul 2018 15:06

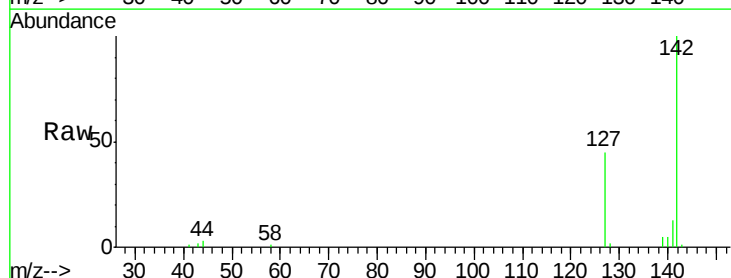
Tgt Ion:142 Resp: 32265

Ion Ratio Lower Upper

142 100

127 45.2 36.5 54.7

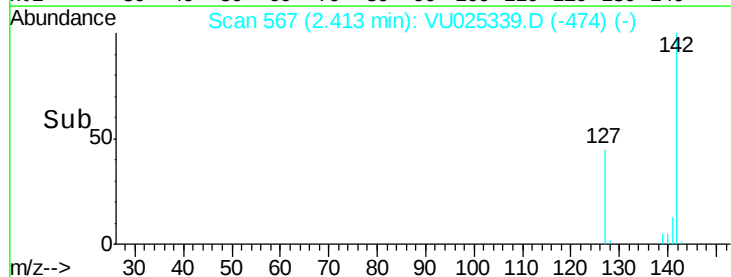
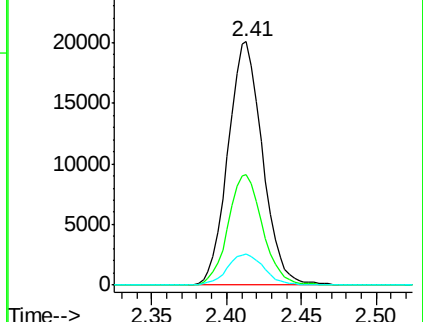
141 13.5 11.4 17.2

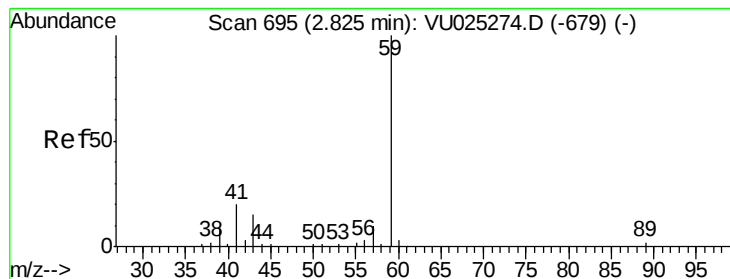


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



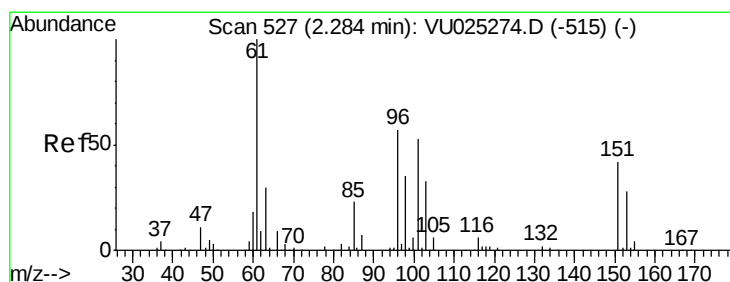
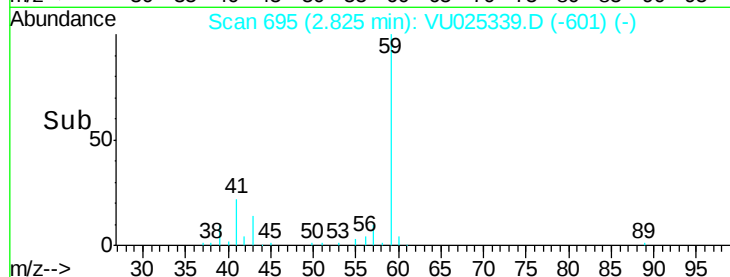
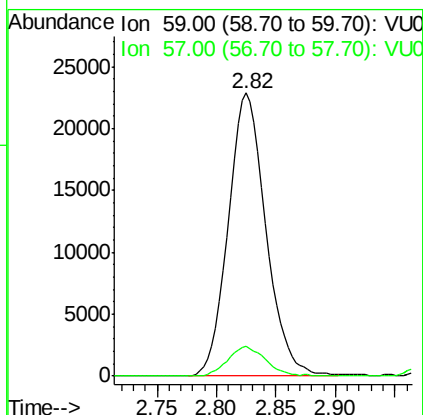
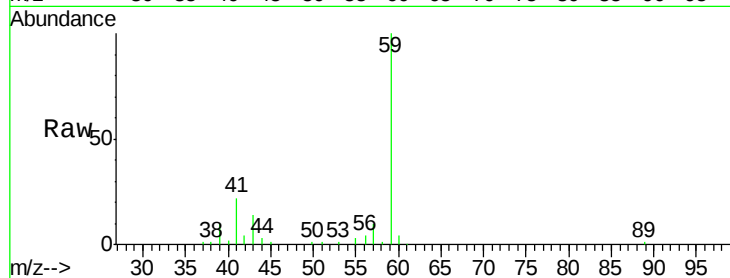


#11

Tert butyl alcohol
 Concen: 93.35 ug/l
 RT: 2.82 min Scan# 695
 Delta R.T. 0.00 min
 Lab File: VU025339.D
 Acq: 12 Jul 2018 15:06

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0712WBS01

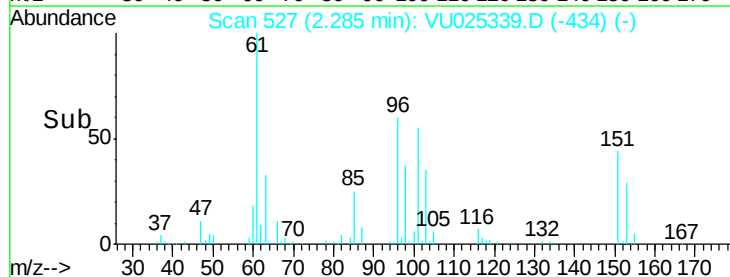
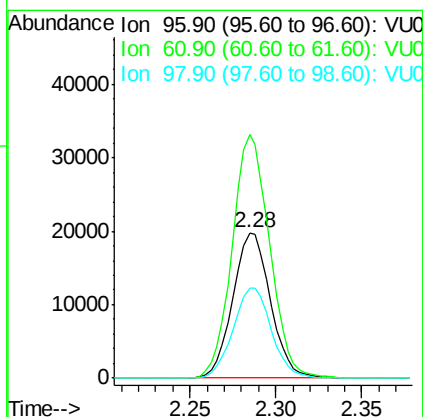
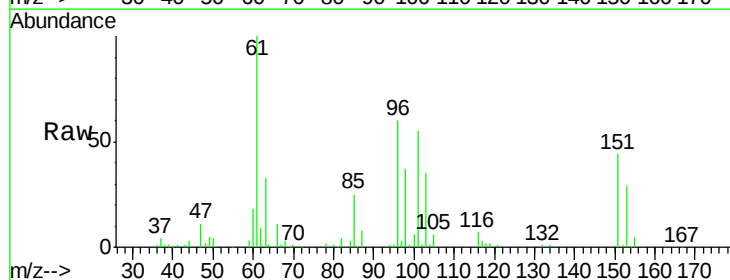
Tot Ion: 59 Resp: 50135
 Ion Ratio Lower Upper
 59 100
 57 10.4 8.2 12.2

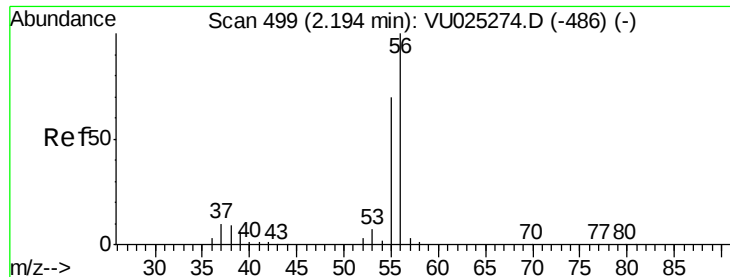


#12

1,1-Dichloroethene
 Concen: 18.75 ug/l
 RT: 2.28 min Scan# 527
 Delta R.T. 0.00 min
 Lab File: VU025339.D
 Acq: 12 Jul 2018 15:06

Tgt Ion: 96 Resp: 30119
 Ion Ratio Lower Upper
 96 100
 61 167.4 140.2 210.4
 98 61.7 49.3 73.9

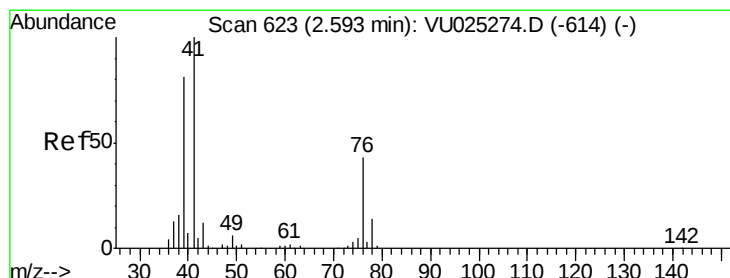
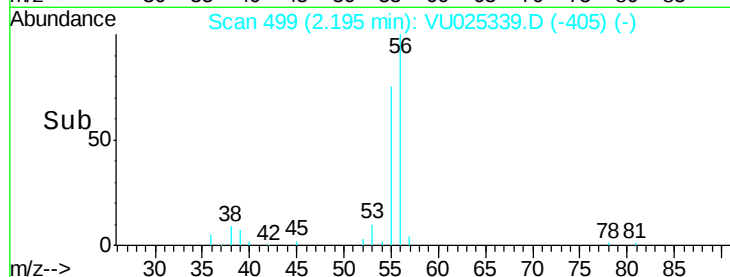
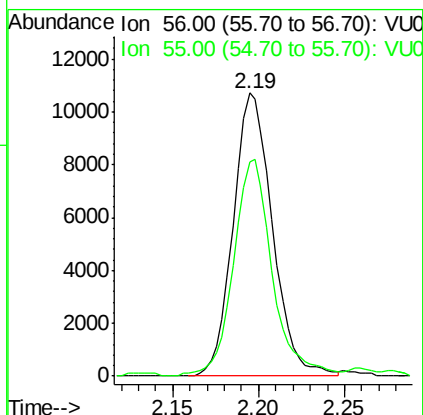
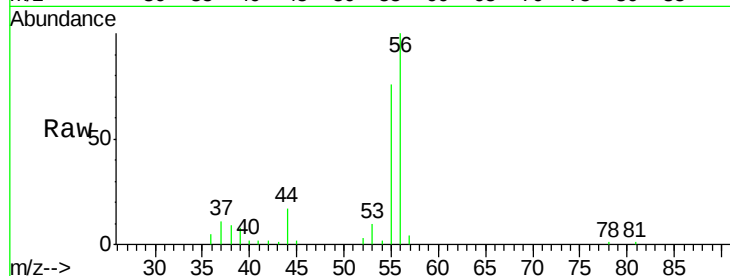




#13
Acrolein
Concen: 47.87 ug/l
RT: 2.19 min Scan# 499
Delta R.T. 0.00 min
Lab File: VU025339.D
Acq: 12 Jul 2018 15:06

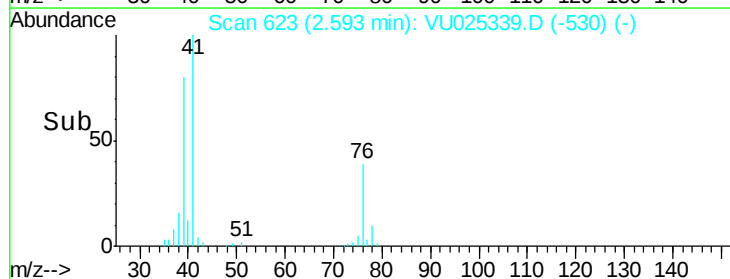
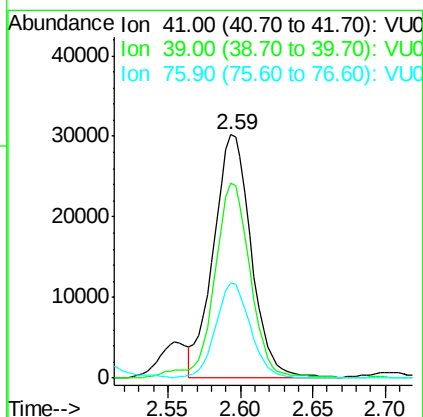
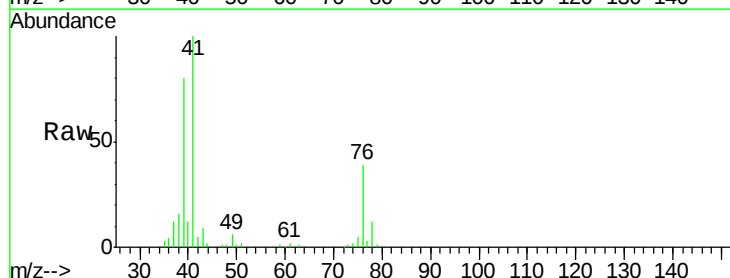
Instrument :
MSVOA_U
ClientSampleId :
VU0712WBS01

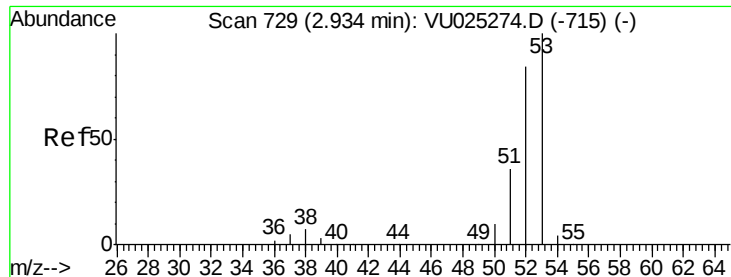
Tot Ion: 56 Resp: 17009
Ion Ratio Lower Upper
56 100
55 75.6 57.2 85.8



#14
Allyl chloride
Concen: 18.57 ug/l
RT: 2.59 min Scan# 623
Delta R.T. 0.00 min
Lab File: VU025339.D
Acq: 12 Jul 2018 15:06

Tgt Ion: 41 Resp: 54104
Ion Ratio Lower Upper
41 100
39 77.3 60.6 91.0
76 36.2 30.5 45.7





#15

Acrylonitrile

Concen: 99.98 ug/l

RT: 2.94 min Scan# 730

Delta R.T. 0.00 min

Lab File: VU025339.D

Acq: 12 Jul 2018 15:06

Instrument :

MSVOA_U

ClientSampleId :

VU0712WBS01

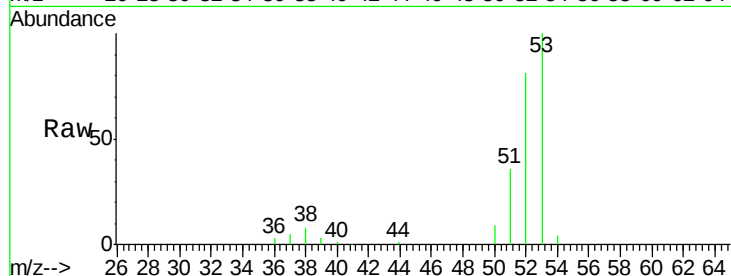
Tot Ion: 53 Resp: 110397

Ion Ratio Lower Upper

53 100

52 80.7 66.6 99.8

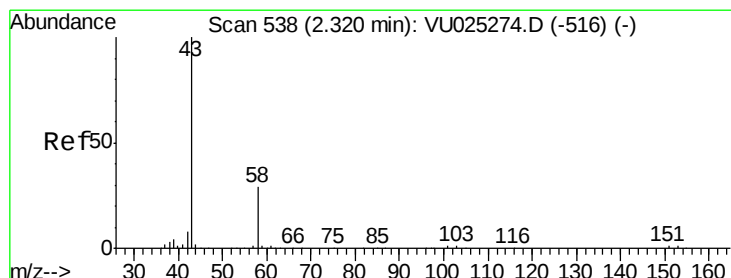
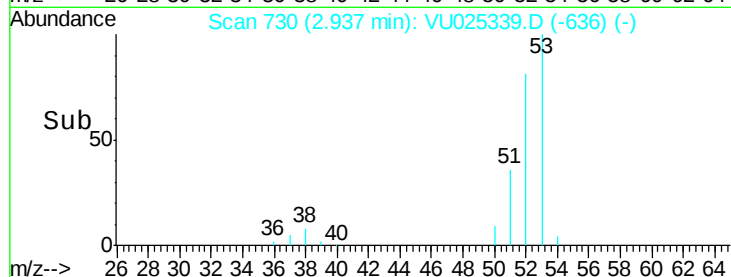
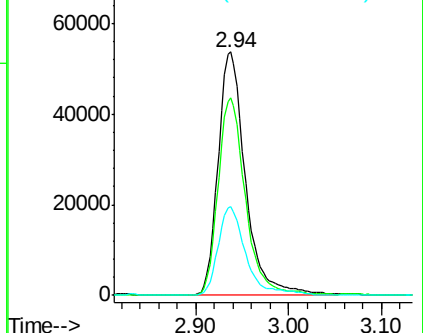
51 37.1 29.4 44.2



Abundance Ion 53.00 (52.70 to 53.70): VU0

Ion 52.00 (51.70 to 52.70): VU0

Ion 51.00 (50.70 to 51.70): VU0



#16

Acetone

Concen: 105.11 ug/l

RT: 2.32 min Scan# 539

Delta R.T. 0.00 min

Lab File: VU025339.D

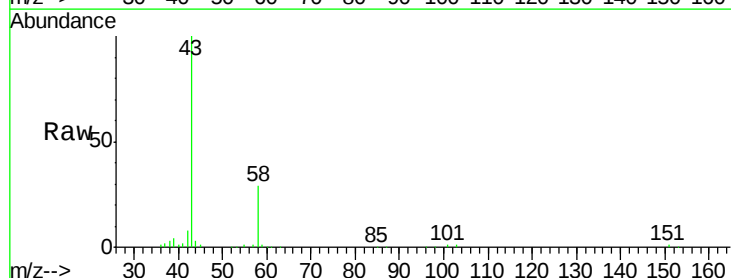
Acq: 12 Jul 2018 15:06

Tgt Ion: 43 Resp: 128433

Ion Ratio Lower Upper

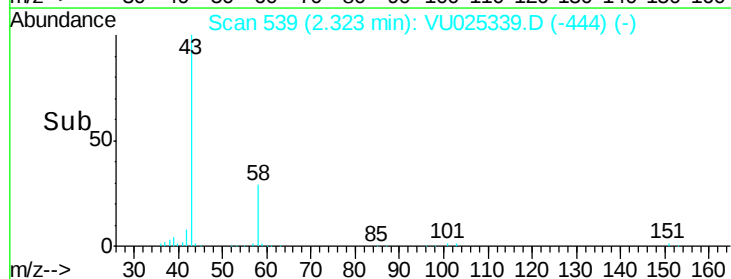
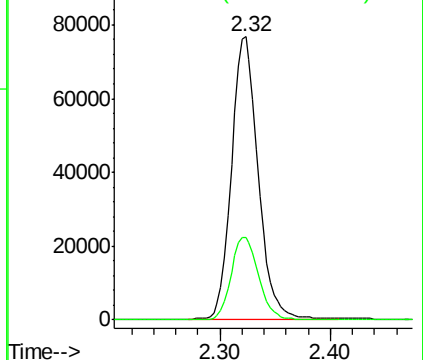
43 100

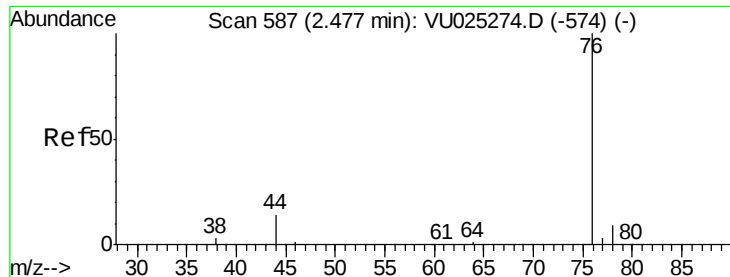
58 29.2 23.1 34.7



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0

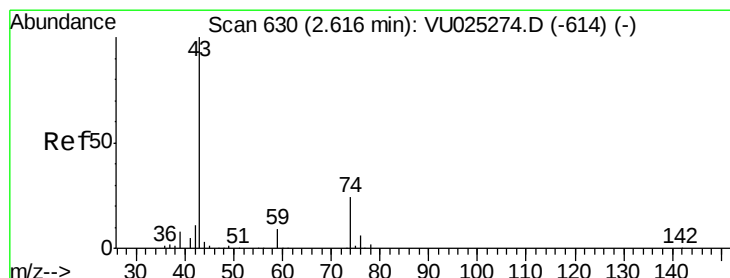
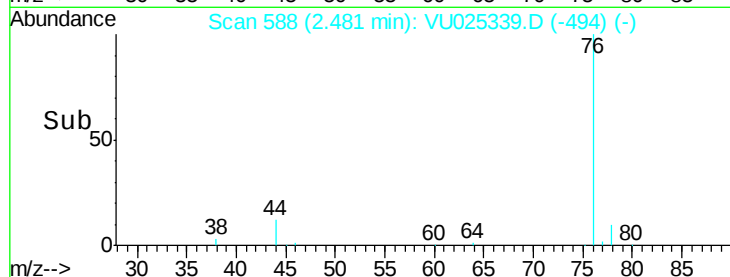
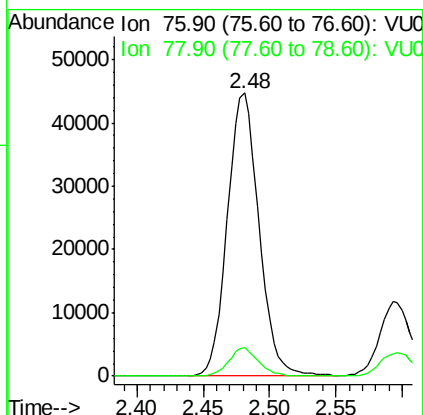
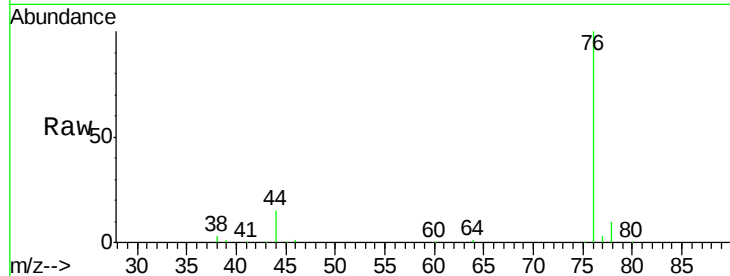




#17
Carbon Disulfide
Concen: 17.16 ug/l
RT: 2.48 min Scan# 588
Delta R.T. 0.00 min
Lab File: VU025339.D
Acq: 12 Jul 2018 15:06

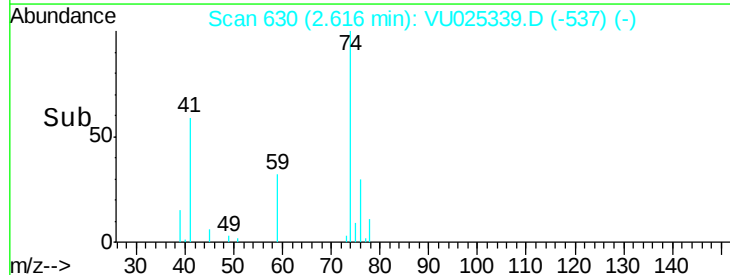
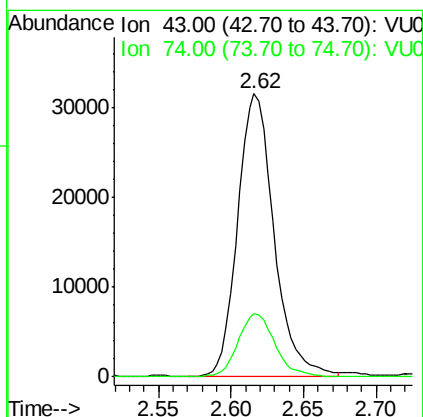
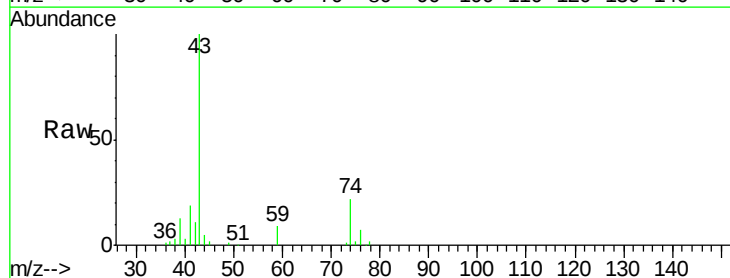
Instrument :
MSVOA_U
ClientSampleId :
VU0712WBS01

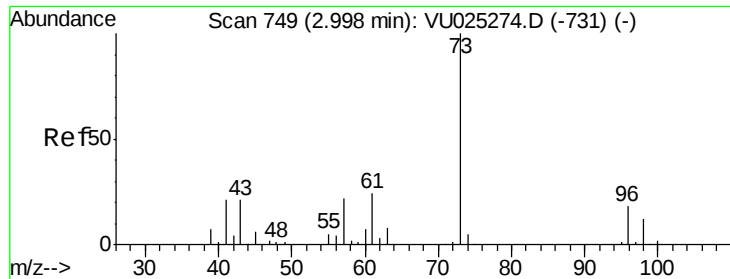
Tot Ion: 76 Resp: 74355
Ion Ratio Lower Upper
76 100
78 10.0 7.4 11.2



#18
Methyl Acetate
Concen: 21.92 ug/l
RT: 2.62 min Scan# 630
Delta R.T. 0.00 min
Lab File: VU025339.D
Acq: 12 Jul 2018 15:06

Tgt Ion: 43 Resp: 55247
Ion Ratio Lower Upper
43 100
74 22.6 18.5 27.7

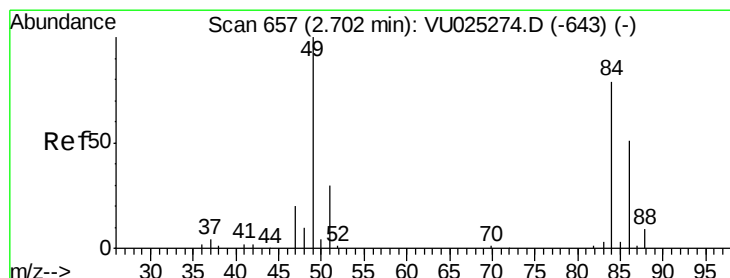
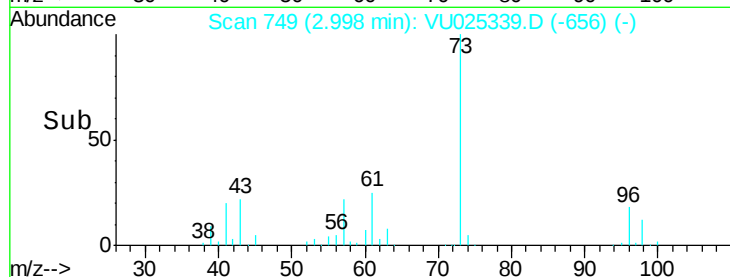
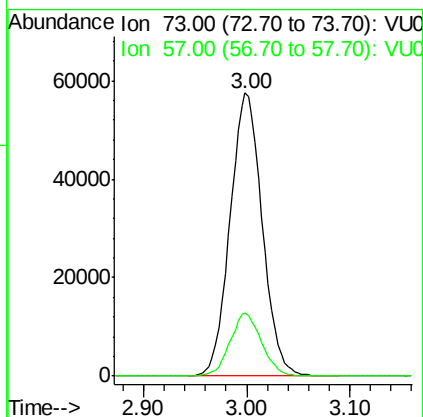
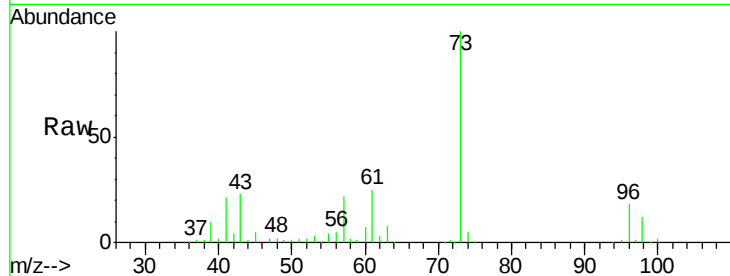




#19
Methvl tert-butvl Ether
Concen: 20.44 ug/l
RT: 3.00 min Scan# 749
Delta R.T. 0.00 min
Lab File: VU025339.D
Acq: 12 Jul 2018 15:06

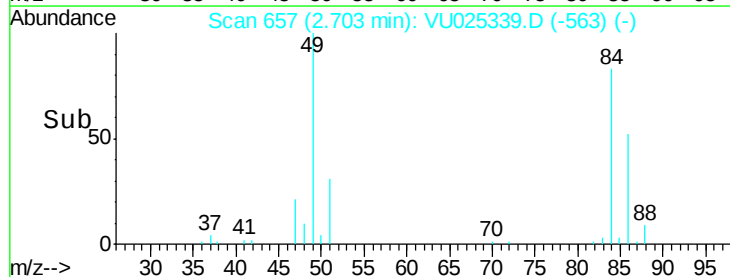
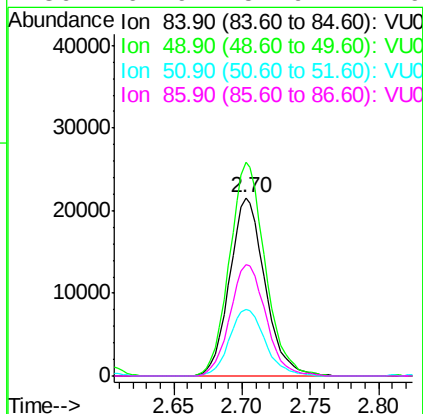
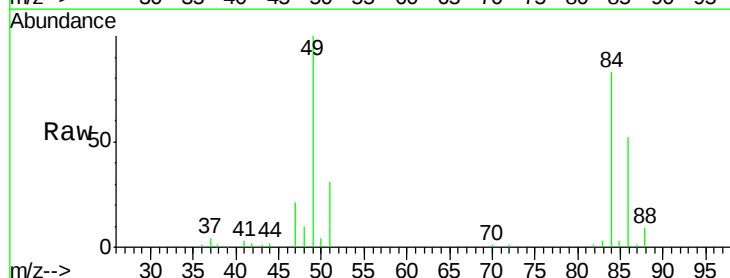
Instrument :
MSVOA_U
ClientSampleId :
VU0712WBS01

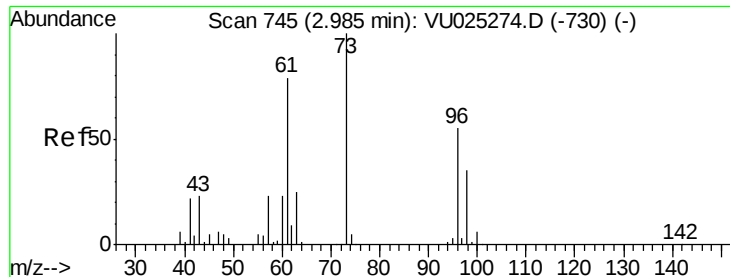
Tot Ion: 73 Resp: 124915
Ion Ratio Lower Upper
73 100
57 22.2 17.4 26.2



#20
Methylene Chloride
Concen: 20.74 ug/l
RT: 2.70 min Scan# 657
Delta R.T. 0.00 min
Lab File: VU025339.D
Acq: 12 Jul 2018 15:06

Tgt Ion: 84 Resp: 38716
Ion Ratio Lower Upper
84 100
49 120.0 101.8 152.6
51 37.6 30.8 46.2
86 62.9 51.9 77.9





#21

trans-1,2-Dichloroethene

Concen: 18.39 ug/l

RT: 2.99 min Scan# 745

Delta R.T. 0.00 min

Lab File: VU025339.D

Acq: 12 Jul 2018 15:06

Instrument :

MSVOA_U

ClientSampleId :

VU0712WBS01

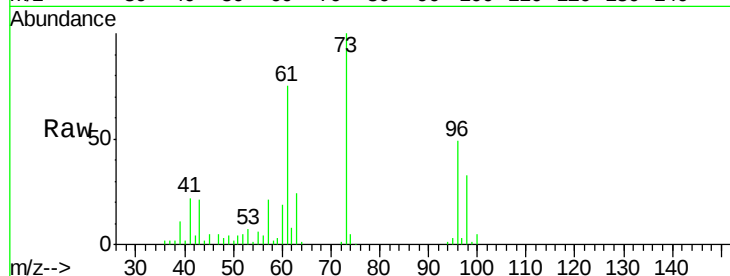
Tot Ion: 96 Resp: 33763

Ion Ratio Lower Upper

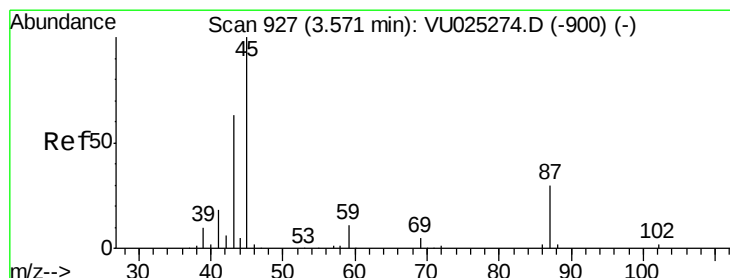
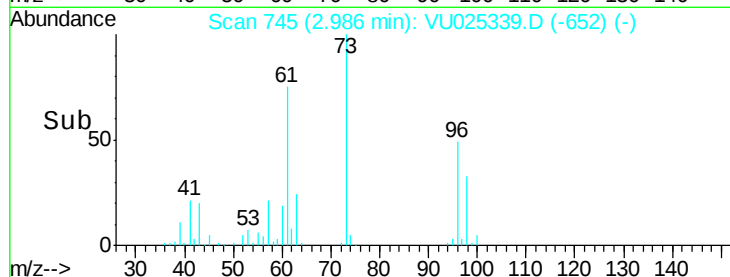
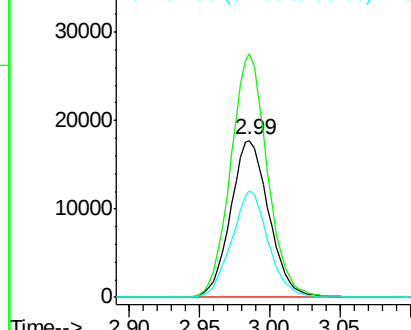
96 100

61 155.0 114.5 171.7

98 67.5 50.5 75.7



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



#22

Diisopropyl ether

Concen: 20.38 ug/l

RT: 3.57 min Scan# 927

Delta R.T. 0.00 min

Lab File: VU025339.D

Acq: 12 Jul 2018 15:06

Tgt Ion: 45 Resp: 121261

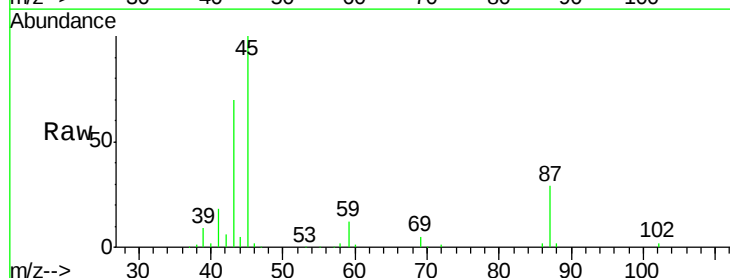
Ion Ratio Lower Upper

45 100

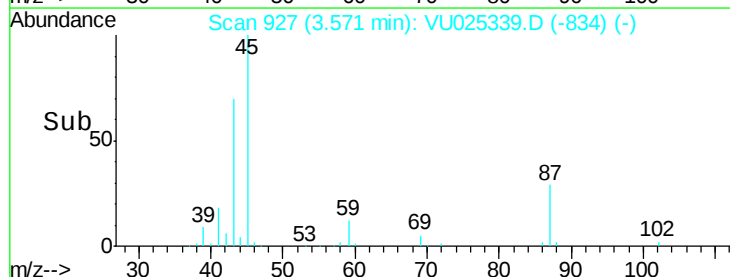
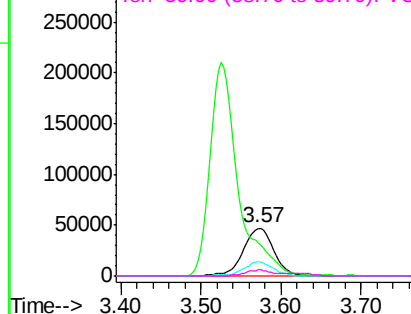
43 69.1 50.9 76.3

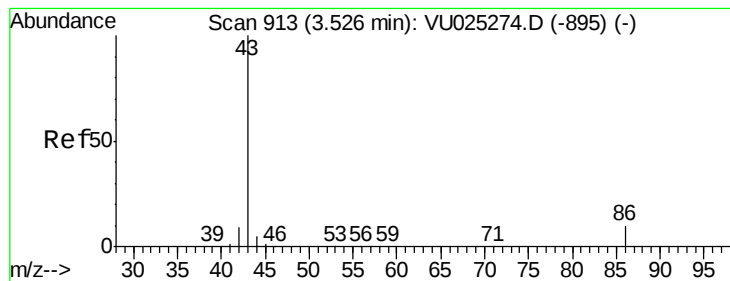
87 29.2 23.8 35.8

59 12.4 9.0 13.4



Abundance Ion 45.00 (44.70 to 45.70): VU0
Ion 43.00 (42.70 to 43.70): VU0
Ion 87.00 (86.70 to 87.70): VU0
Ion 59.00 (58.70 to 59.70): VU0





#23

Vinyl Acetate

Concen: 98.89 ug/l

RT: 3.53 min Scan# 913

Delta R.T. 0.00 min

Lab File: VU025339.D

Acq: 12 Jul 2018 15:06

Instrument :

MSVOA_U

ClientSampleId :

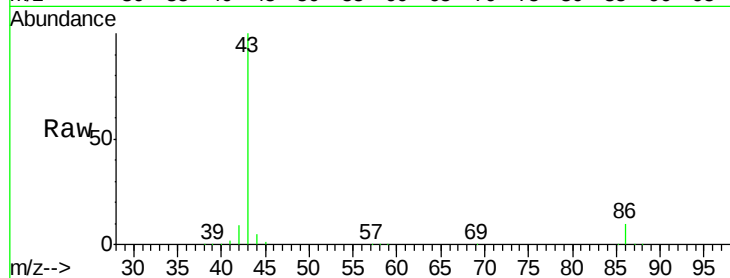
VU0712WBS01

Tot Ion: 43 Resp: 516089

Ion Ratio Lower Upper

43 100

86 10.2 8.2 12.2



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 86.00 (85.70 to 86.70): VU0

250000

200000

150000

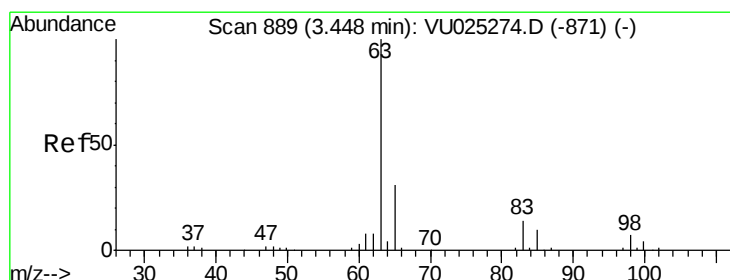
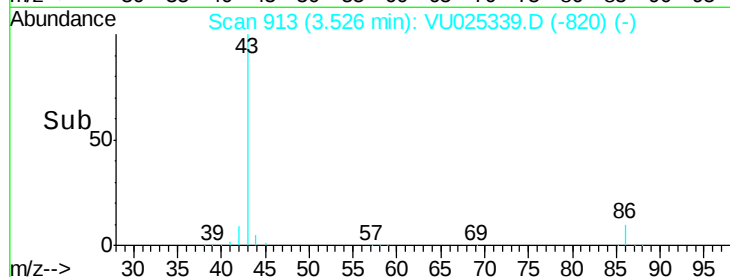
100000

50000

0

3.40 3.50 3.60 3.70

Time-->



#24

1,1-Dichloroethane

Concen: 20.95 ug/l

RT: 3.45 min Scan# 889

Delta R.T. 0.00 min

Lab File: VU025339.D

Acq: 12 Jul 2018 15:06

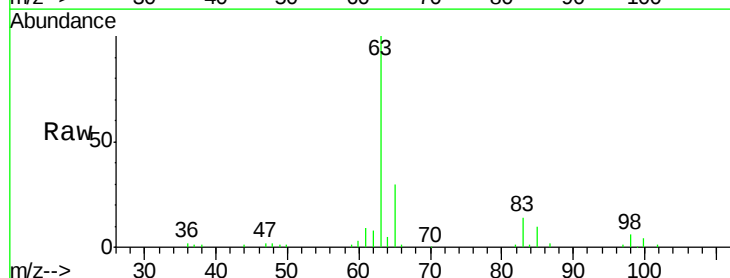
Tgt Ion: 63 Resp: 70291

Ion Ratio Lower Upper

63 100

98 6.1 3.4 10.1

100 3.8 2.0 6.0



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

40000

30000

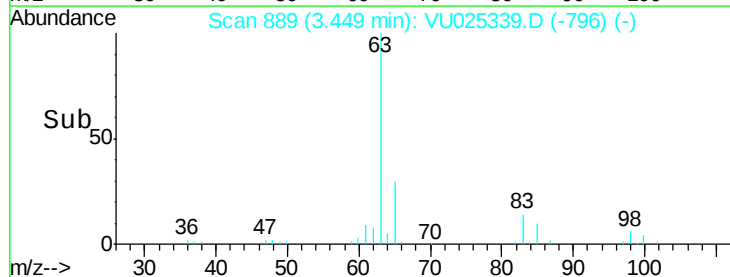
20000

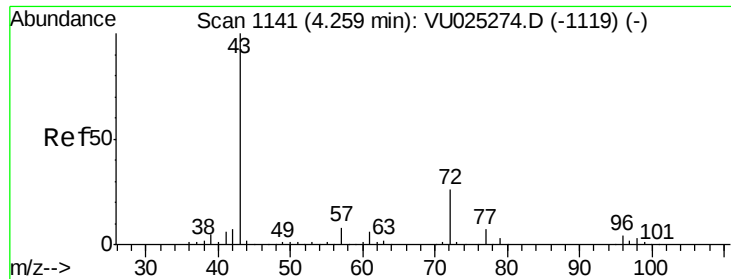
10000

0

3.35 3.40 3.45 3.50 3.55

Time-->

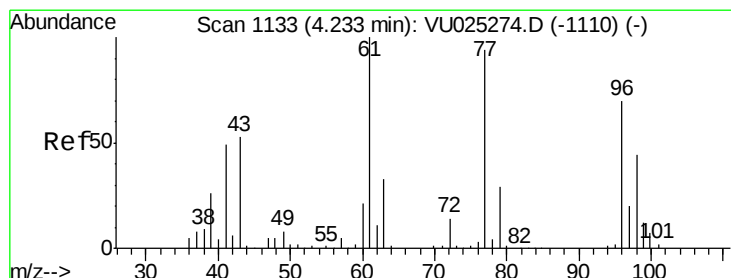
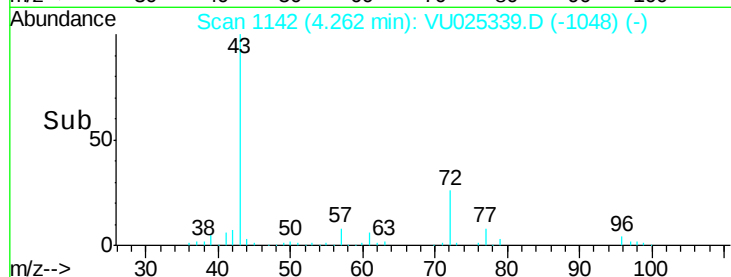
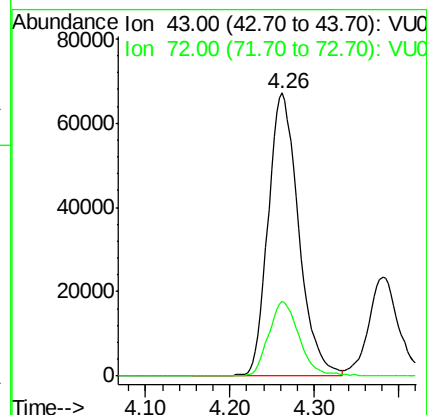
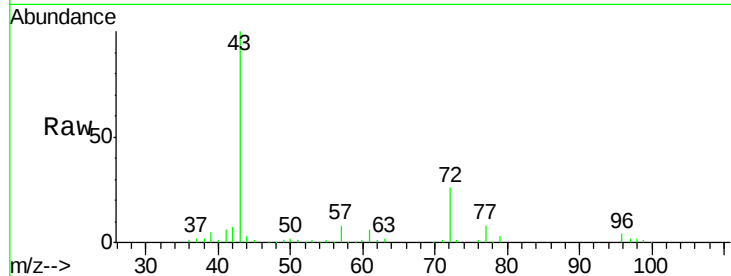




#25
2-Butanone
Concen: 98.78 ug/l
RT: 4.26 min Scan# 1142
Delta R.T. 0.00 min
Lab File: VU025339.D
Acq: 12 Jul 2018 15:06

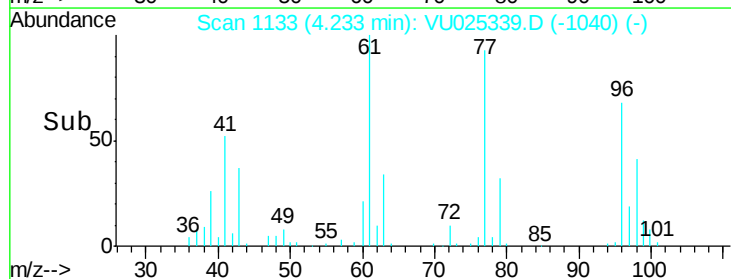
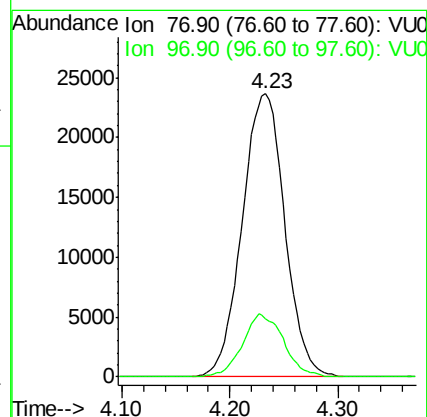
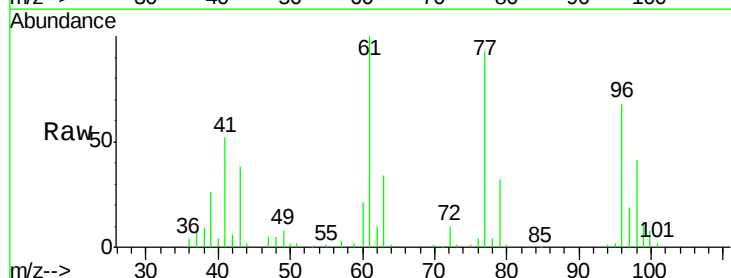
Instrument :
MSVOA_U
ClientSampleId :
VU0712WBS01

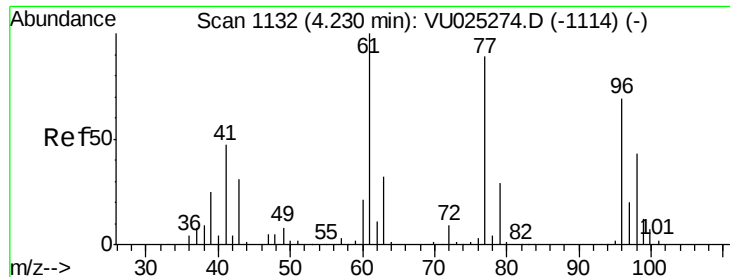
Tot Ion: 43 Resp: 168567
Ion Ratio Lower Upper
43 100
72 26.4 21.0 31.4



#26
2,2-Dichloropropane
Concen: 20.08 ug/l
RT: 4.23 min Scan# 1133
Delta R.T. 0.00 min
Lab File: VU025339.D
Acq: 12 Jul 2018 15:06

Tgt Ion: 77 Resp: 64778
Ion Ratio Lower Upper
77 100
97 21.4 11.2 33.5

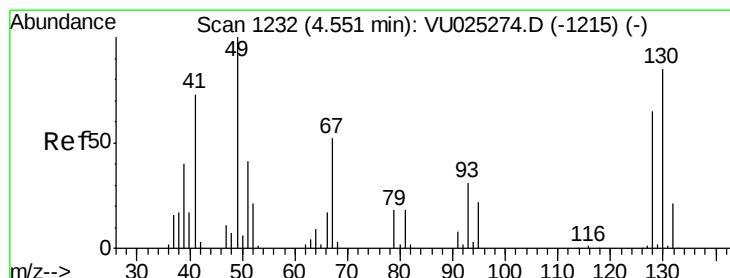
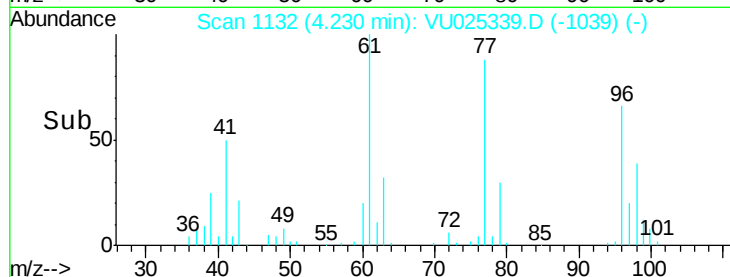
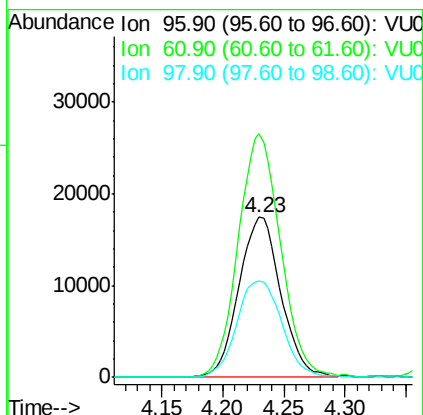
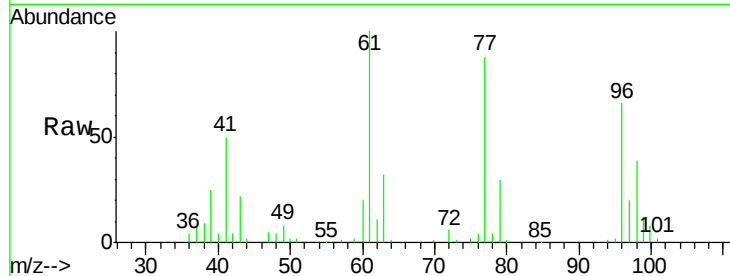




#27
 cis-1,2-Dichloroethene
 Concen: 19.61 ug/l
 RT: 4.23 min Scan# 1132
 Delta R.T. 0.00 min
 Lab File: VU025339.D
 Acq: 12 Jul 2018 15:06

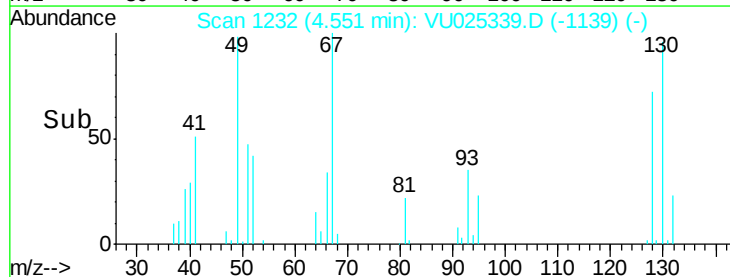
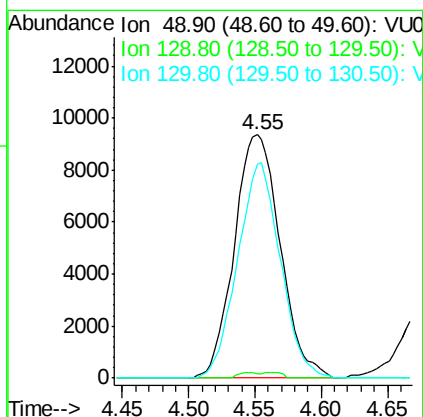
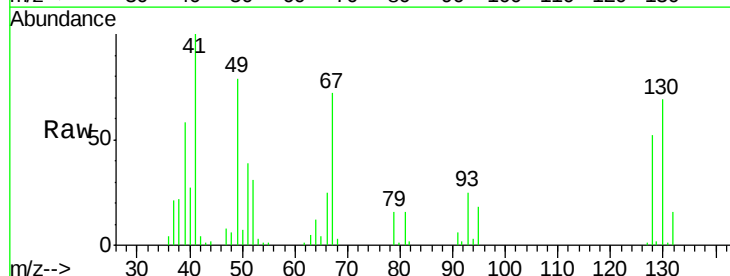
Instrument :
 MSVOA_U
 ClientSampleId :
 VU0712WBS01

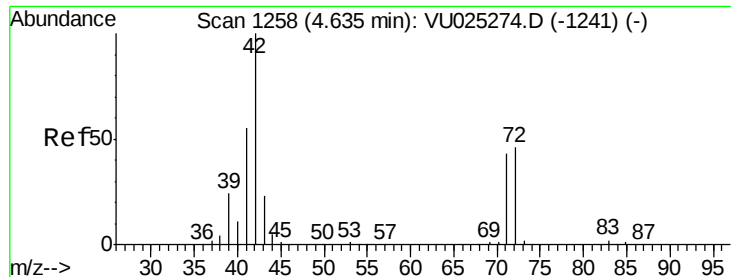
Tot Ion: 96 Resp: 41647
 Ion Ratio Lower Upper
 96 100
 61 153.0 0.0 299.8
 98 64.9 0.0 128.6



#28
 Bromochloromethane
 Concen: 13.91 ug/l
 RT: 4.55 min Scan# 1232
 Delta R.T. 0.00 min
 Lab File: VU025339.D
 Acq: 12 Jul 2018 15:06

Tgt Ion: 49 Resp: 22536
 Ion Ratio Lower Upper
 49 100
 129 1.1 0.0 4.6
 130 82.7 68.6 102.8

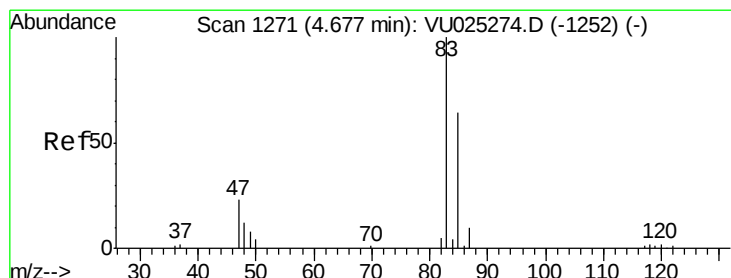
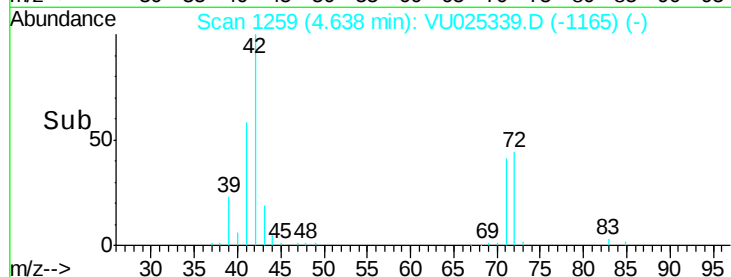
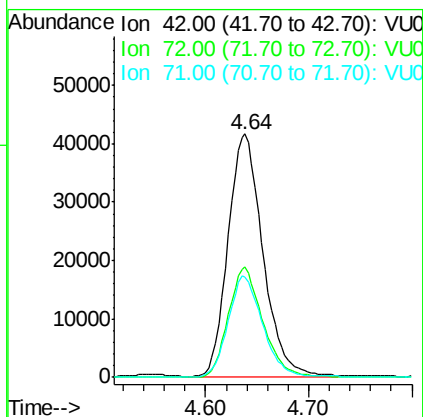
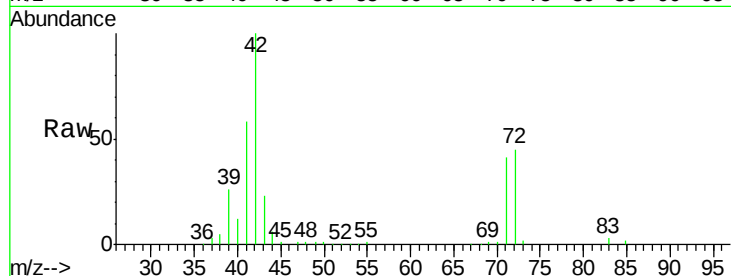




#29
Tetrahydrofuran
Concen: 95.59 ug/l
RT: 4.64 min Scan# 1259
Delta R.T. 0.00 min
Lab File: VU025339.D
Acq: 12 Jul 2018 15:06

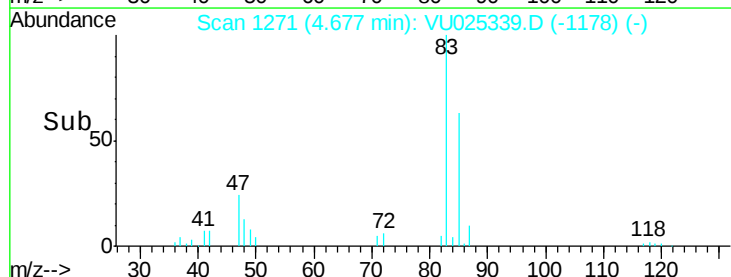
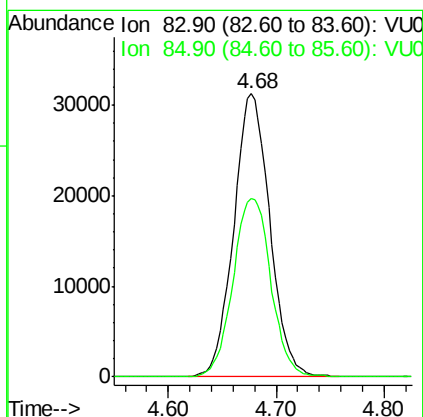
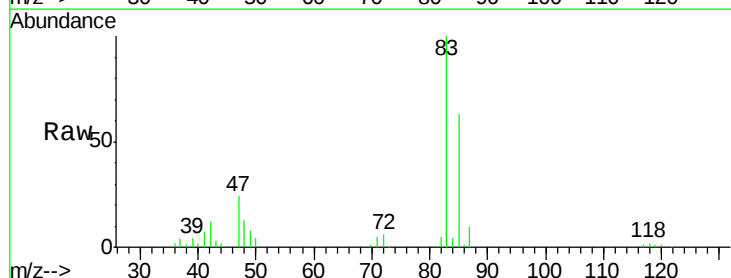
Instrument :
MSVOA_U
ClientSampleId :
VU0712WBS01

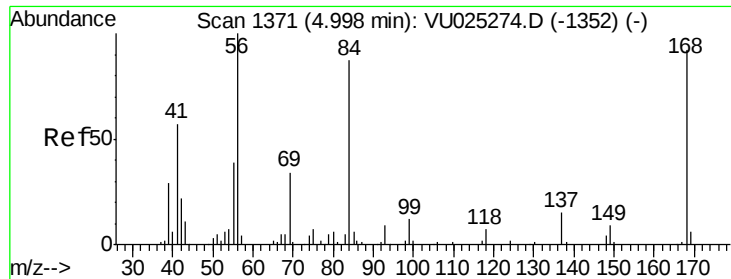
Tot Ion: 42 Resp: 97838
Ion Ratio Lower Upper
42 100
72 45.2 36.7 55.1
71 41.5 33.9 50.9



#30
Chloroform
Concen: 20.49 ug/l
RT: 4.68 min Scan# 1271
Delta R.T. 0.00 min
Lab File: VU025339.D
Acq: 12 Jul 2018 15:06

Tgt Ion: 83 Resp: 72797
Ion Ratio Lower Upper
83 100
85 62.9 51.5 77.3

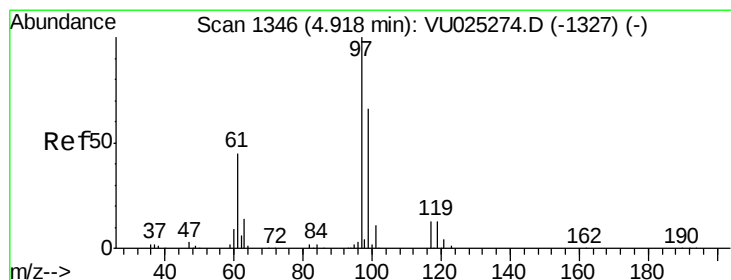
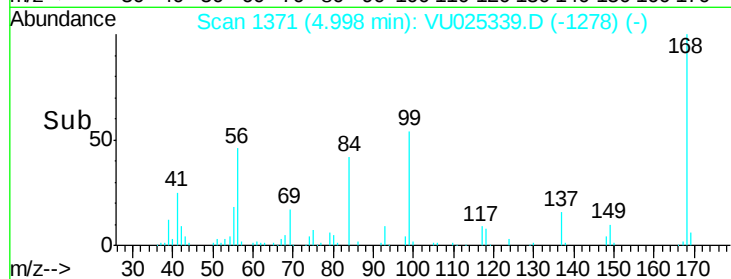
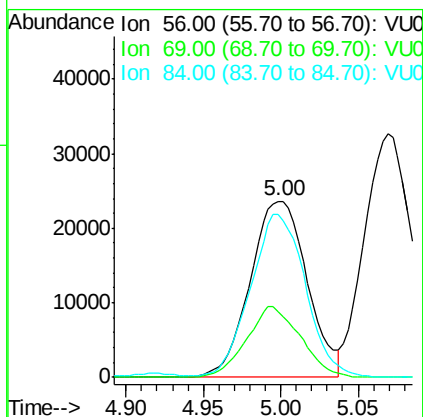
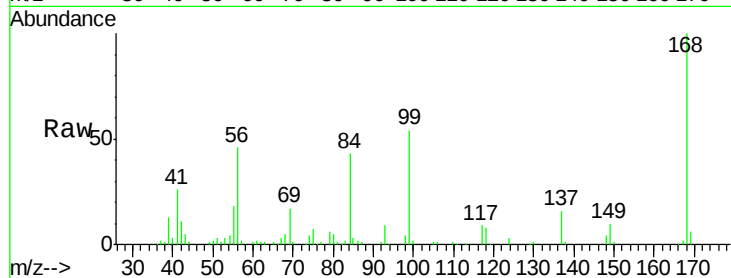




#31
Cyclohexane
Concen: 19.95 ug/l
RT: 5.00 min Scan# 1371
Delta R.T. 0.00 min
Lab File: VU025339.D
Acq: 12 Jul 2018 15:06

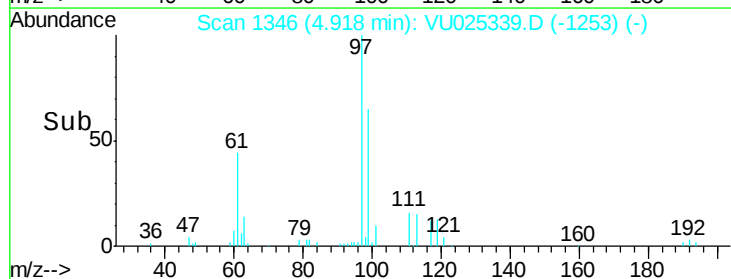
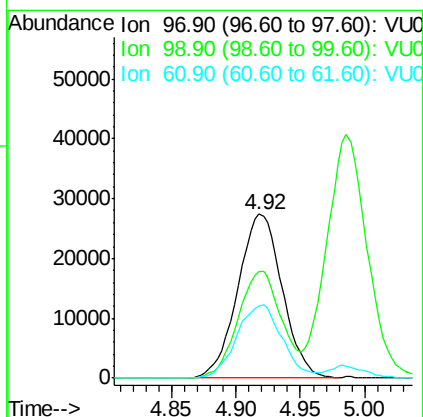
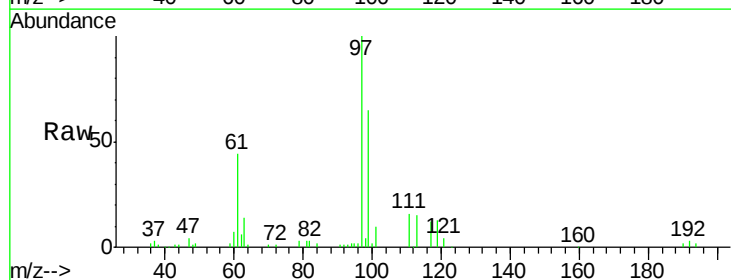
Instrument :
MSVOA_U
ClientSampleId :
VU0712WBS01

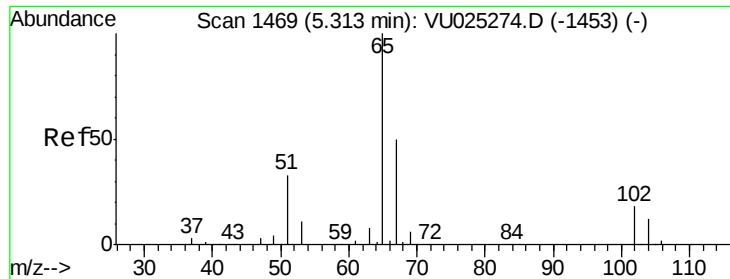
Tot Ion: 56 Resp: 60617
Ion Ratio Lower Upper
56 100
69 37.5 26.8 40.2
84 91.4 69.7 104.5



#32
1,1,1-Trichloroethane
Concen: 20.41 ug/l
RT: 4.92 min Scan# 1346
Delta R.T. 0.00 min
Lab File: VU025339.D
Acq: 12 Jul 2018 15:06

Tgt Ion: 97 Resp: 65724
Ion Ratio Lower Upper
97 100
99 64.2 50.8 76.2
61 45.6 35.2 52.8

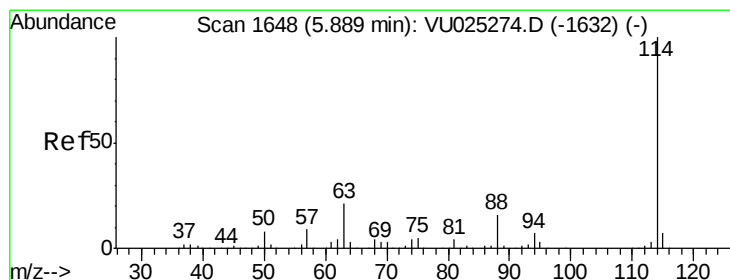
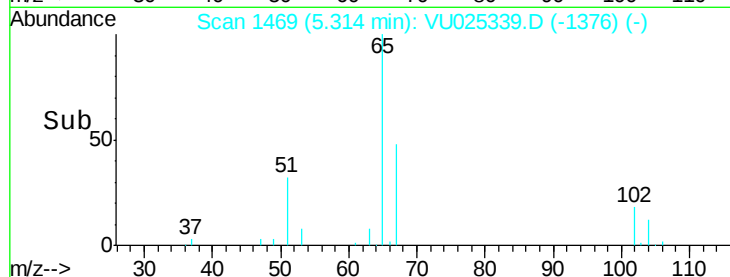
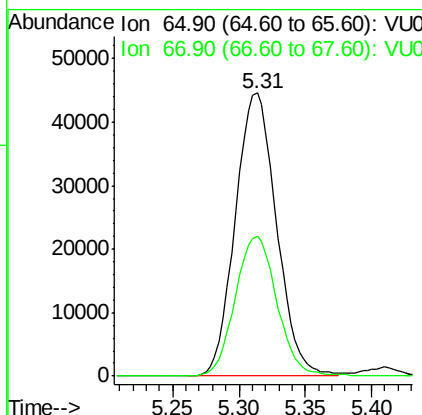
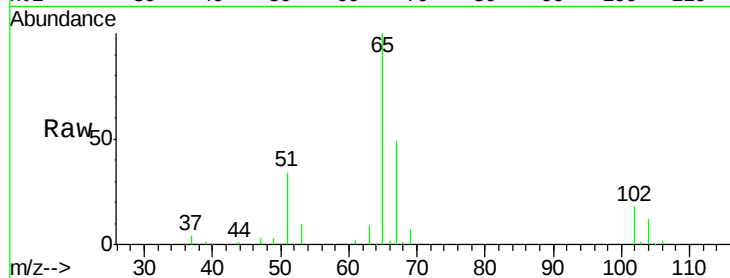




#33
 1,2-Dichloroethane-d4
 Concen: 39.18 ug/l
 RT: 5.31 min Scan# 1469
 Delta R.T. 0.00 min
 Lab File: VU025339.D
 Acq: 12 Jul 2018 15:06

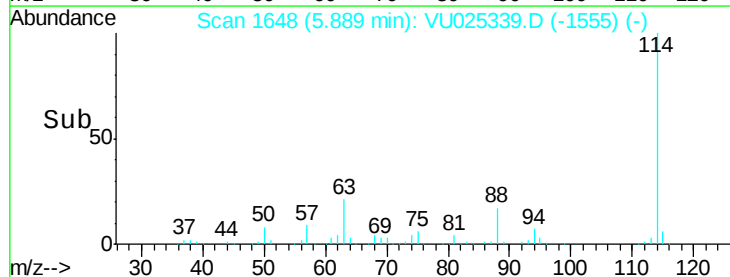
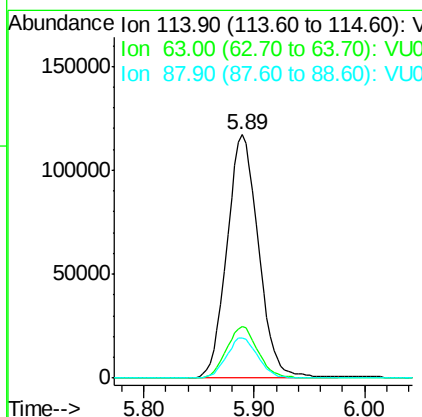
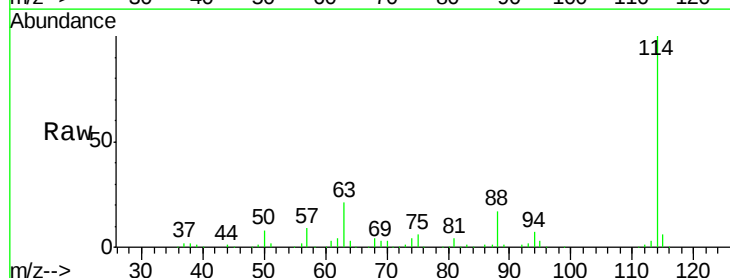
Instrument :
 MSVOA_U
 ClientSampleId :
 VU0712WBS01

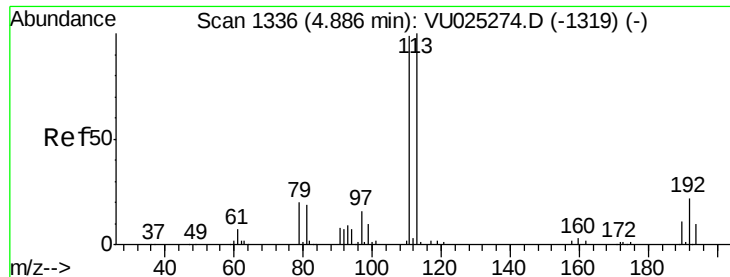
Tot Ion: 65 Resp: 96449
 Ion Ratio Lower Upper
 65 100
 67 50.1 0.0 103.6



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 5.89 min Scan# 1648
 Delta R.T. 0.00 min
 Lab File: VU025339.D
 Acq: 12 Jul 2018 15:06

Tgt Ion: 114 Resp: 232552
 Ion Ratio Lower Upper
 114 100
 63 20.9 0.0 41.6
 88 16.7 0.0 32.4

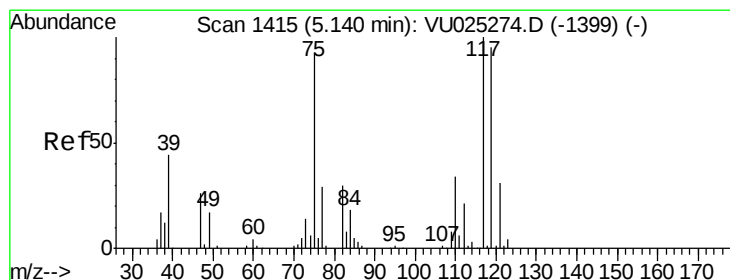
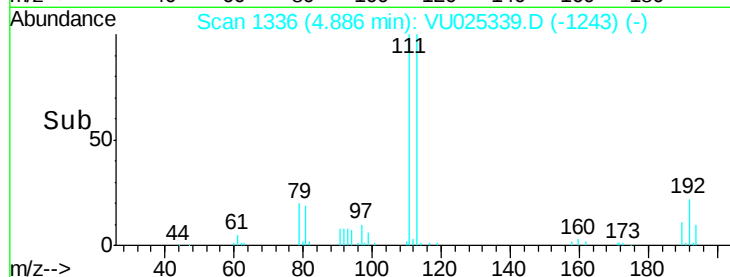
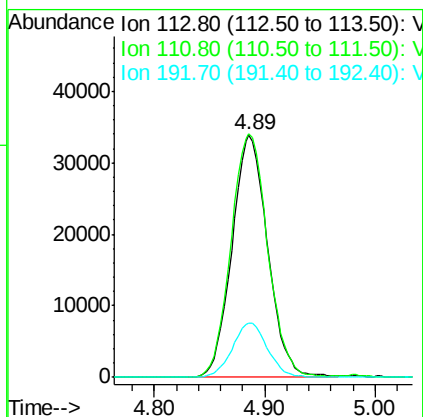
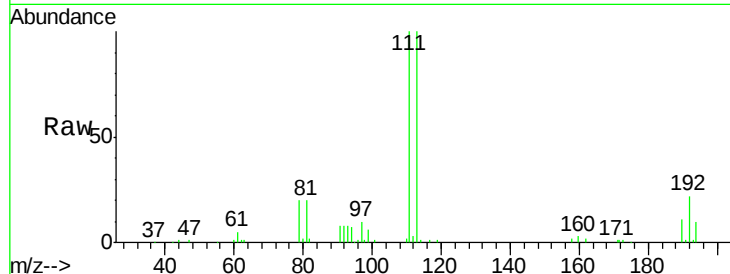




#35
 Dibromofluoromethane
 Concen: 38.74 ug/l
 RT: 4.89 min Scan# 1336
 Delta R.T. 0.00 min
 Lab File: VU025339.D
 Acq: 12 Jul 2018 15:06

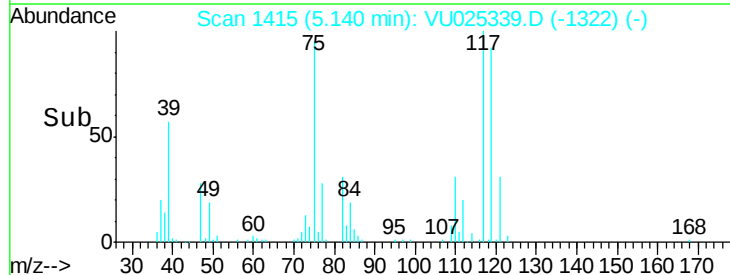
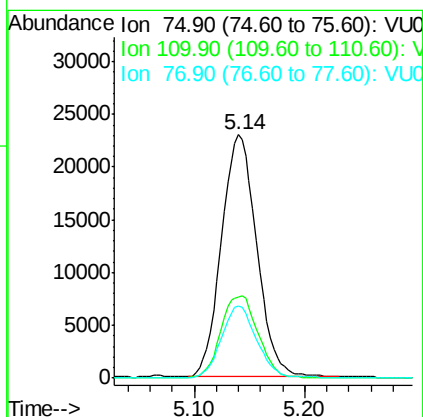
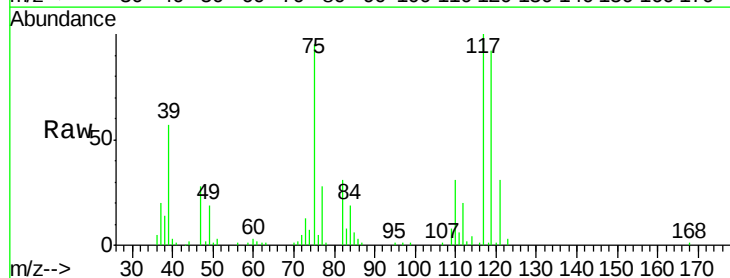
Instrument :
 MSVOA_U
 ClientSampleId :
 VU0712WBS01

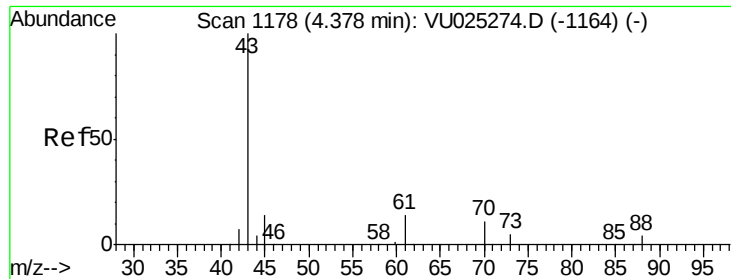
Tot Ion:113 Resp: 75996
 Ion Ratio Lower Upper
 113 100
 111 103.4 81.7 122.5
 192 22.1 17.1 25.7



#36
 1,1-Dichloropropene
 Concen: 19.62 ug/l
 RT: 5.14 min Scan# 1415
 Delta R.T. 0.00 min
 Lab File: VU025339.D
 Acq: 12 Jul 2018 15:06

Tgt Ion: 75 Resp: 50719
 Ion Ratio Lower Upper
 75 100
 110 35.9 17.6 52.9
 77 30.0 24.4 36.6

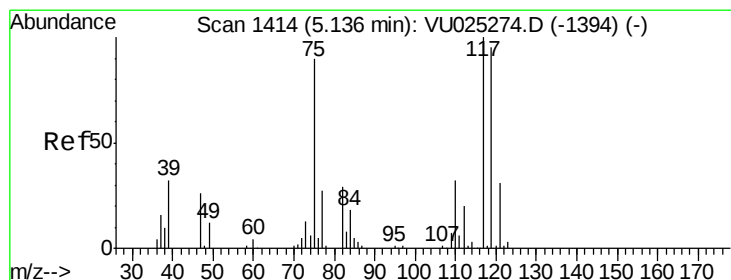
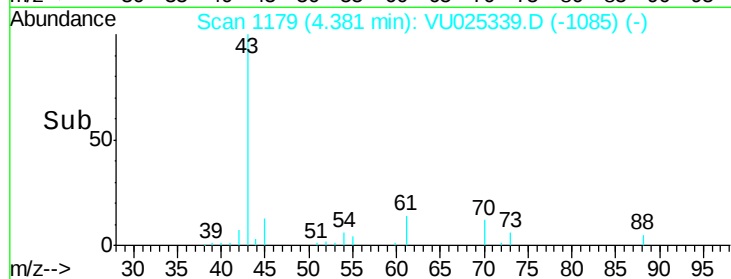
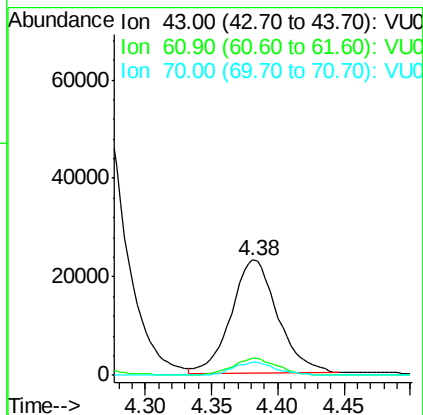
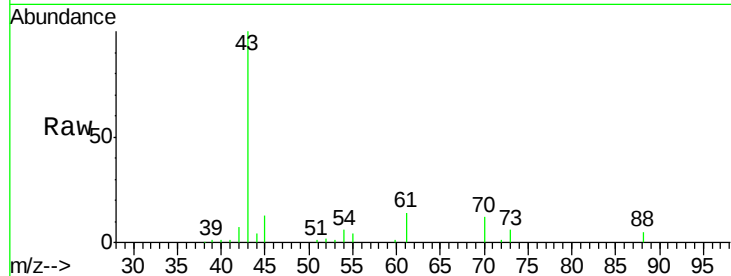




#37
Ethyl Acetate
Concen: 19.40 ug/l
RT: 4.38 min Scan# 1179
Delta R.T. 0.00 min
Lab File: VU025339.D
Acq: 12 Jul 2018 15:06

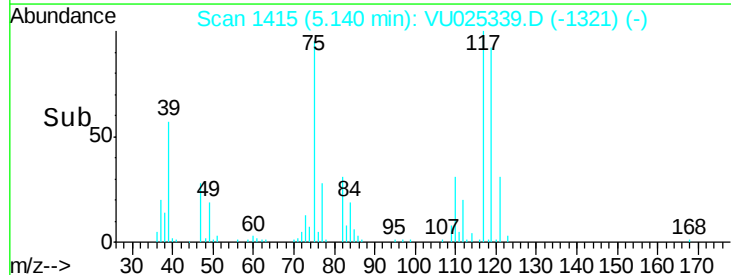
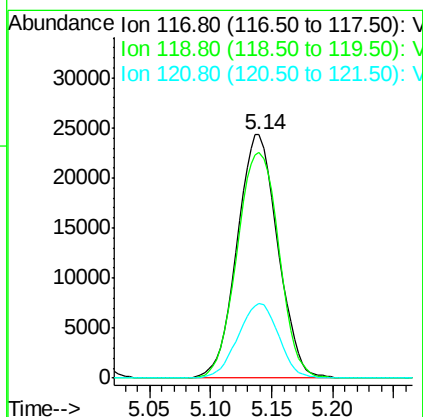
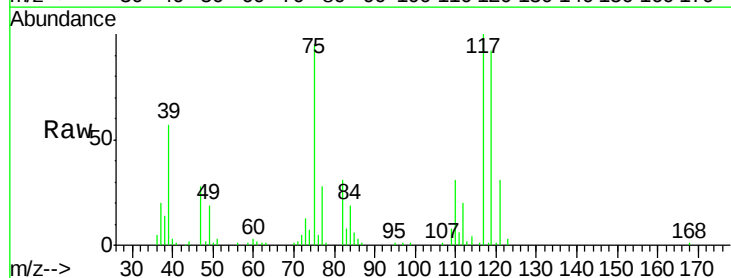
Instrument :
MSVOA_U
ClientSampleId :
VU0712WBS01

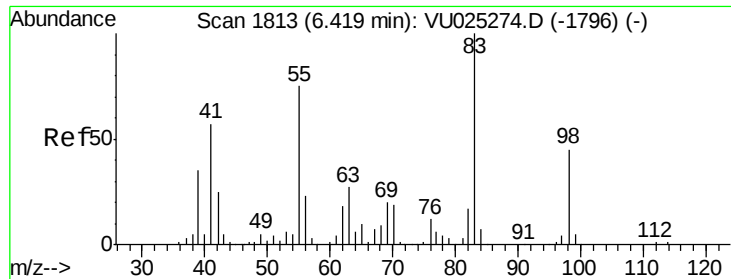
Tot Ion: 43 Resp: 55934
Ion Ratio Lower Upper
43 100
61 14.3 10.7 16.1
70 11.2 8.4 12.6



#38
Carbon Tetrachloride
Concen: 20.18 ug/l
RT: 5.14 min Scan# 1415
Delta R.T. 0.00 min
Lab File: VU025339.D
Acq: 12 Jul 2018 15:06

Tgt Ion: 117 Resp: 56142
Ion Ratio Lower Upper
117 100
119 92.5 75.7 113.5
121 30.8 24.6 36.8

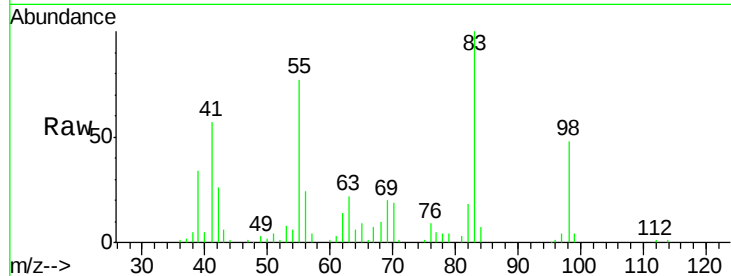




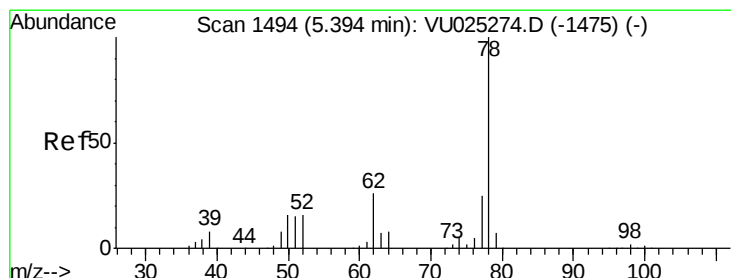
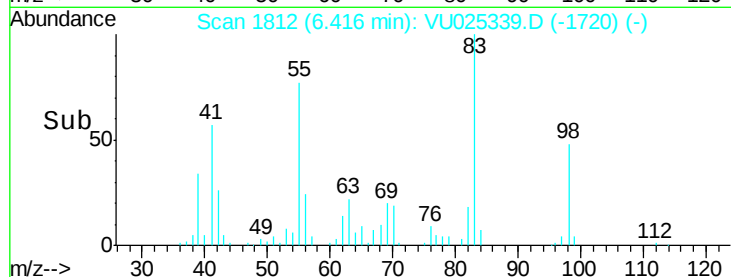
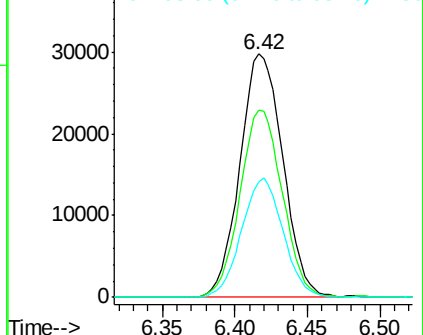
#39
Methvlcvclohexane
Concen: 19.02 ug/l
RT: 6.42 min Scan# 1812
Delta R.T. -0.00 min
Lab File: VU025339.D
Acq: 12 Jul 2018 15:06

Instrument :
MSVOA_U
ClientSampleId :
VU0712WBS01

Tot Ion: 83 Resp: 61327
Ion Ratio Lower Upper
83 100
55 77.2 60.0 90.0
98 47.5 36.1 54.1

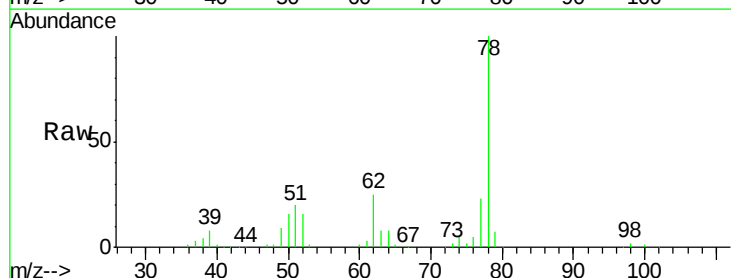


Abundance Ion 83.00 (82.70 to 83.70): VU0
Ion 55.00 (54.70 to 55.70): VU0
Ion 98.00 (97.70 to 98.70): VU0

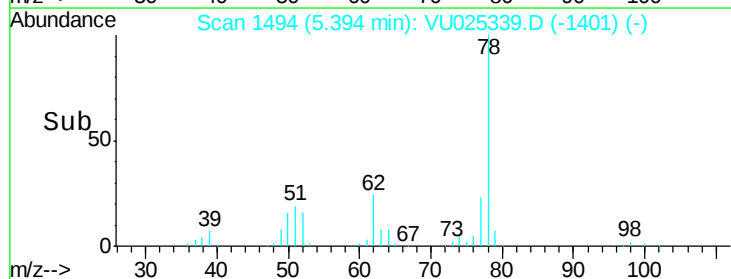
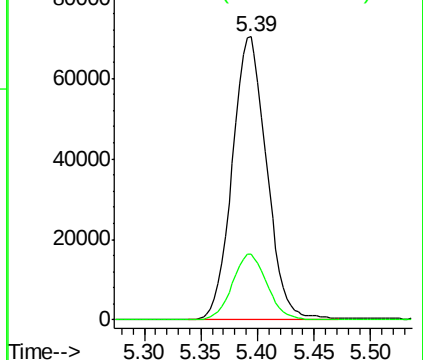


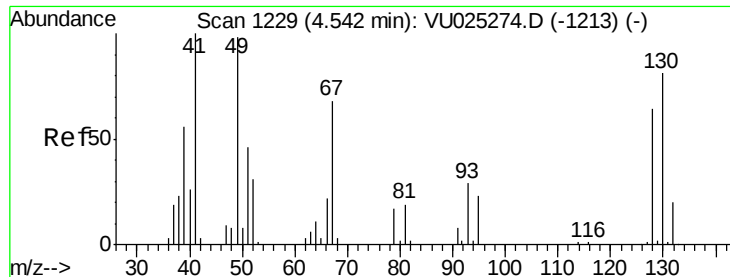
#40
Benzene
Concen: 20.02 ug/l
RT: 5.39 min Scan# 1494
Delta R.T. 0.00 min
Lab File: VU025339.D
Acq: 12 Jul 2018 15:06

Tgt Ion: 78 Resp: 149122
Ion Ratio Lower Upper
78 100
77 23.2 19.8 29.6



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

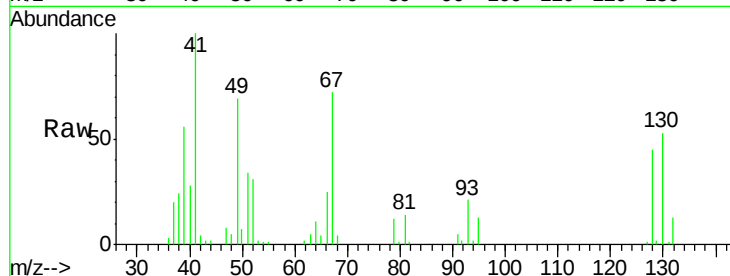




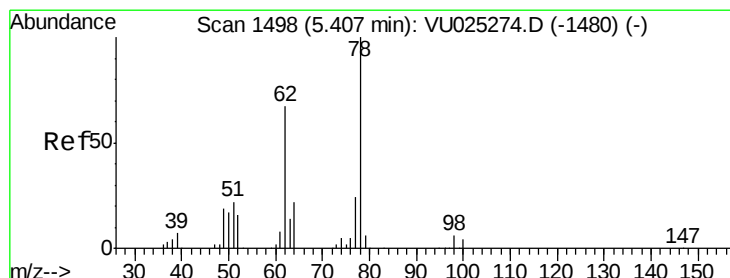
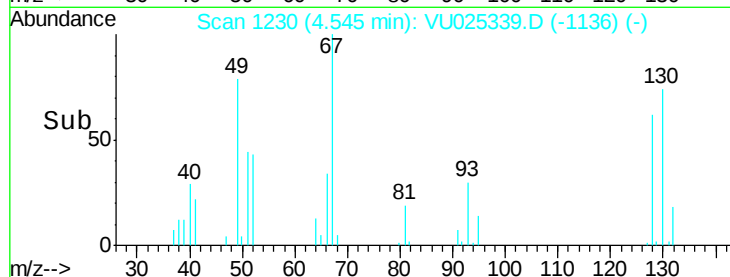
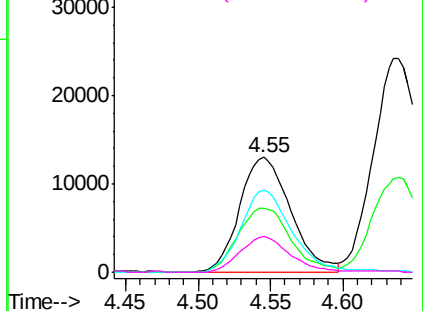
#41
Methacrylonitrile
Concen: 19.92 ug/l
RT: 4.55 min Scan# 1230
Delta R.T. 0.00 min
Lab File: VU025339.D
Acq: 12 Jul 2018 15:06

Instrument :
MSVOA_U
ClientSampleId :
VU0712WBS01

Tot Ion: 41 Resp: 31845
Ion Ratio Lower Upper
41 100
39 57.9 44.4 66.6
67 71.2 56.0 84.0
52 30.0 24.6 36.8

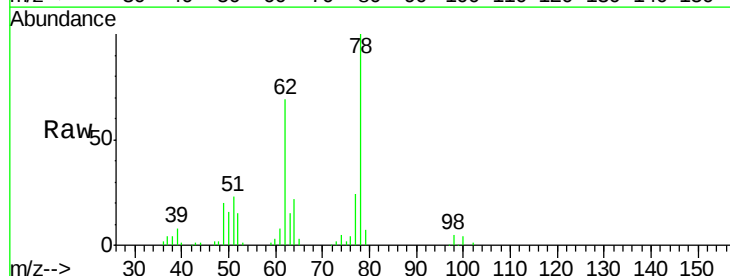


Abundance Ion 41.00 (40.70 to 41.70): VU0
Ion 39.00 (38.70 to 39.70): VU0
Ion 67.00 (66.70 to 67.70): VU0
Ion 52.00 (51.70 to 52.70): VU0

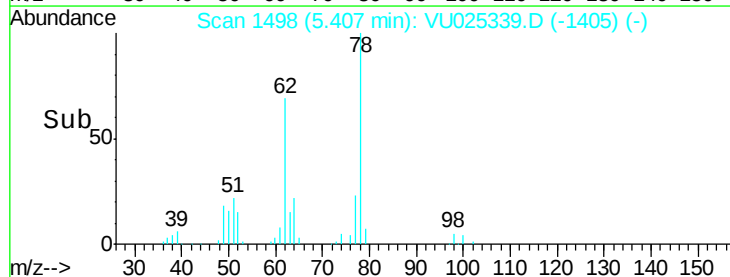
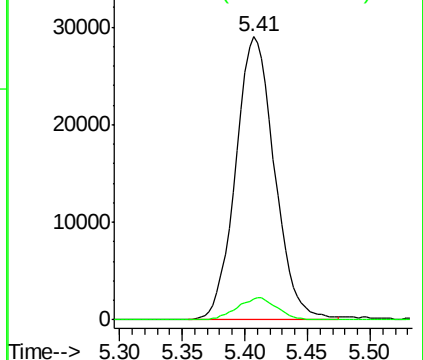


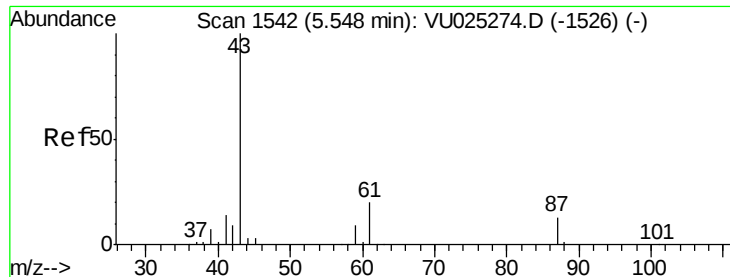
#42
1,2-Dichloroethane
Concen: 21.15 ug/l
RT: 5.41 min Scan# 1498
Delta R.T. 0.00 min
Lab File: VU025339.D
Acq: 12 Jul 2018 15:06

Tgt Ion: 62 Resp: 62635
Ion Ratio Lower Upper
62 100
98 7.9 0.0 16.4



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





#43

Isopropyl Acetate

Concen: 20.33 ug/l

RT: 5.55 min Scan# 1542

Delta R.T. 0.00 min

Lab File: VU025339.D

Acq: 12 Jul 2018 15:06

Instrument :

MSVOA_U

ClientSampleId :

VU0712WBS01

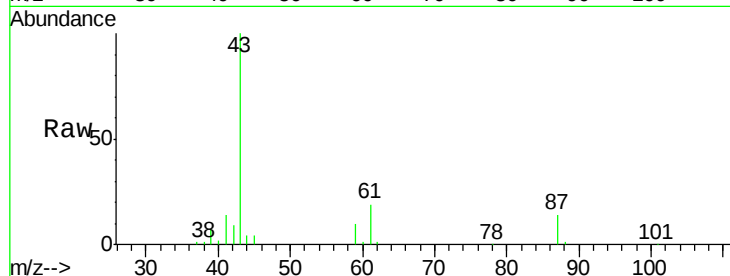
Tot Ion: 43 Resp: 93871

Ion Ratio Lower Upper

43 100

61 19.3 15.5 23.3

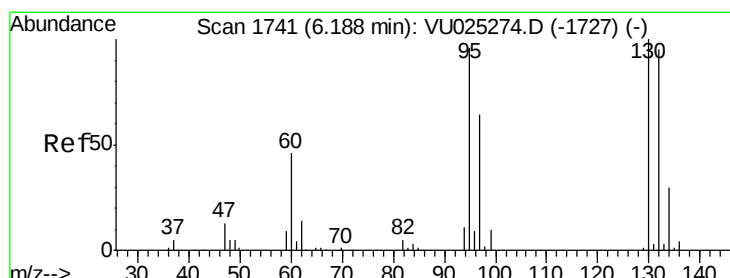
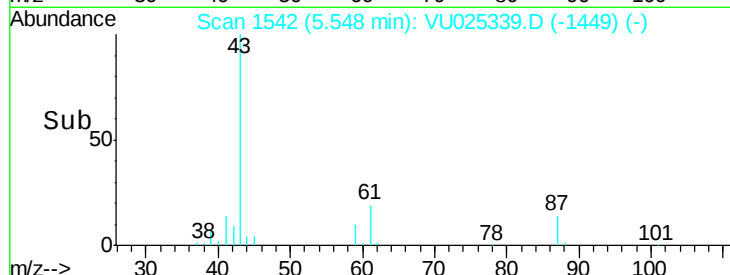
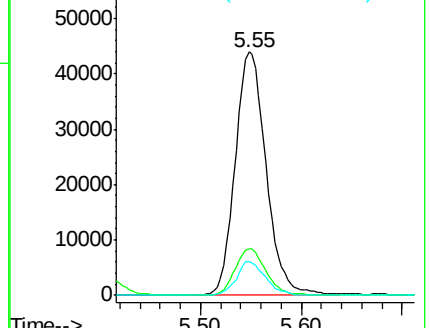
87 13.0 10.6 16.0



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 87.00 (86.70 to 87.70): VU0



#44

Trichloroethene

Concen: 19.47 ug/l

RT: 6.19 min Scan# 1741

Delta R.T. 0.00 min

Lab File: VU025339.D

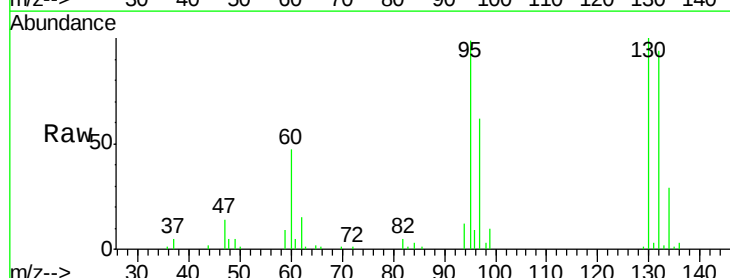
Acq: 12 Jul 2018 15:06

Tgt Ion: 130 Resp: 41653

Ion Ratio Lower Upper

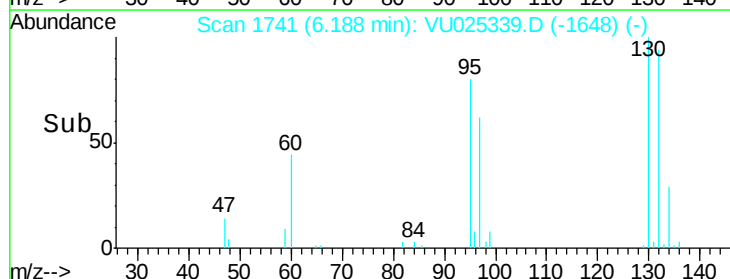
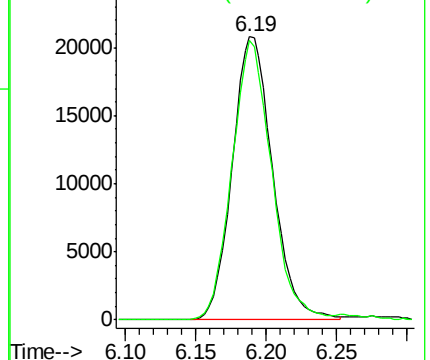
130 100

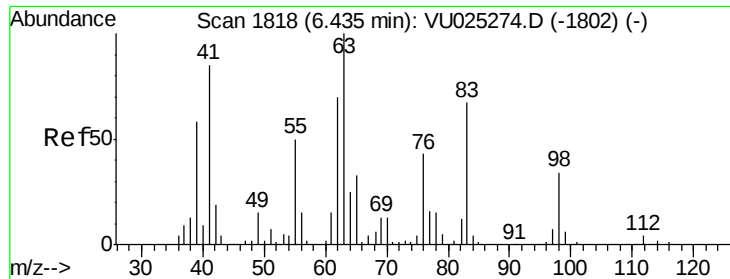
95 98.8 0.0 192.2



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VU0





#45

1,2-Dichloropropane

Concen: 20.22 ug/l

RT: 6.44 min Scan# 1818

Delta R.T. 0.00 min

Lab File: VU025339.D

Acq: 12 Jul 2018 15:06

Instrument :

MSVOA_U

ClientSampleId :

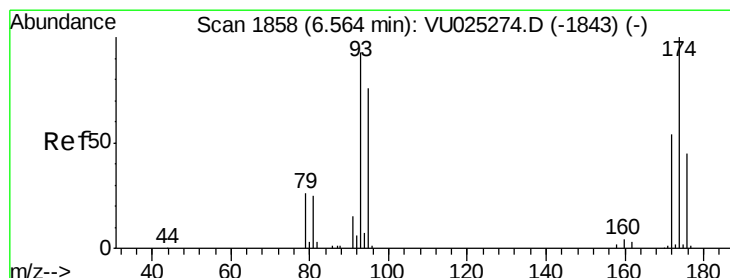
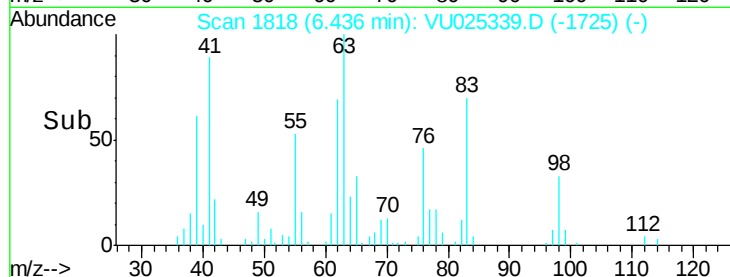
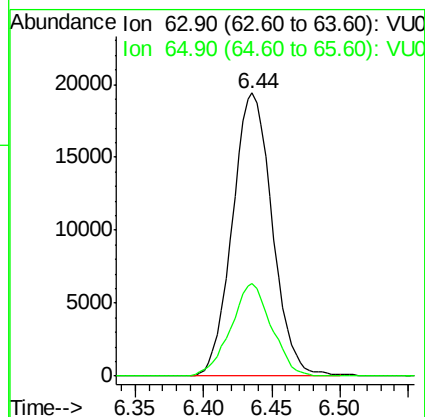
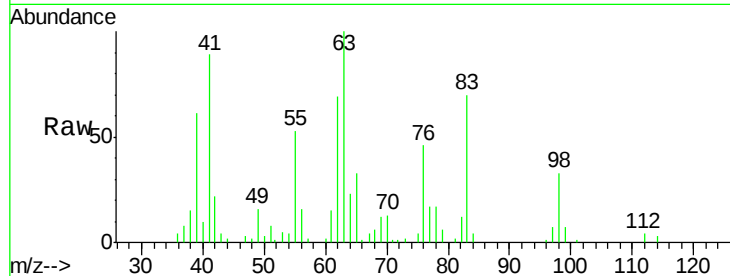
VU0712WBS01

Tot Ion: 63 Resp: 39455

Ion Ratio Lower Upper

63 100

65 32.7 26.1 39.1



#46

Dibromomethane

Concen: 20.40 ug/l

RT: 6.56 min Scan# 1858

Delta R.T. 0.00 min

Lab File: VU025339.D

Acq: 12 Jul 2018 15:06

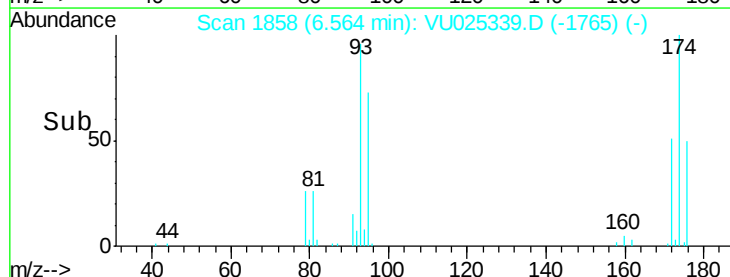
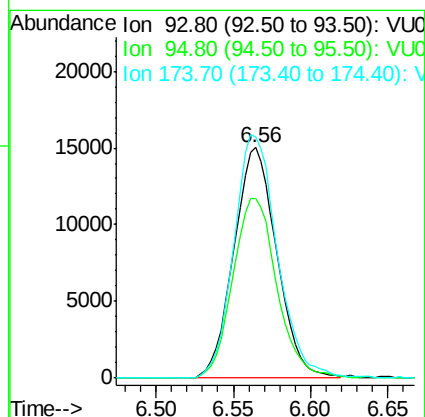
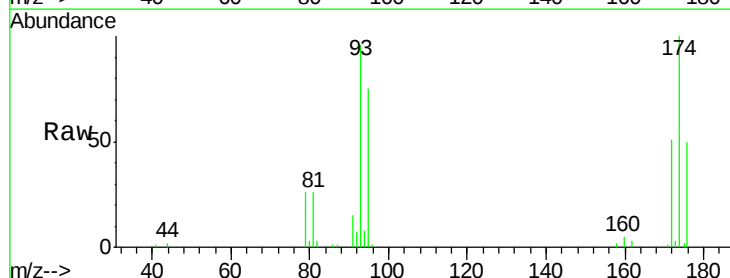
Tgt Ion: 93 Resp: 28966

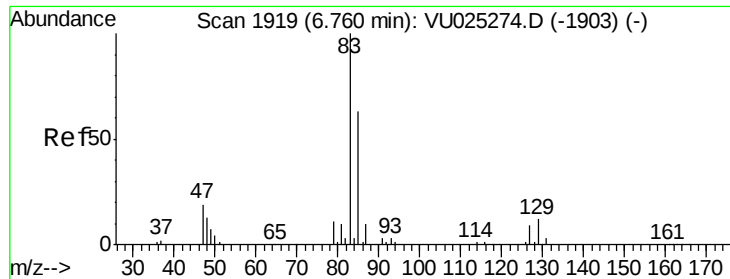
Ion Ratio Lower Upper

93 100

95 79.7 66.6 100.0

174 107.2 85.8 128.8





#47

Bromodichloromethane

Concen: 20.50 ug/l

RT: 6.76 min Scan# 1919

Delta R.T. 0.00 min

Lab File: VU025339.D

Acq: 12 Jul 2018 15:06

Instrument :

MSVOA_U

ClientSampleId :

VU0712WBS01

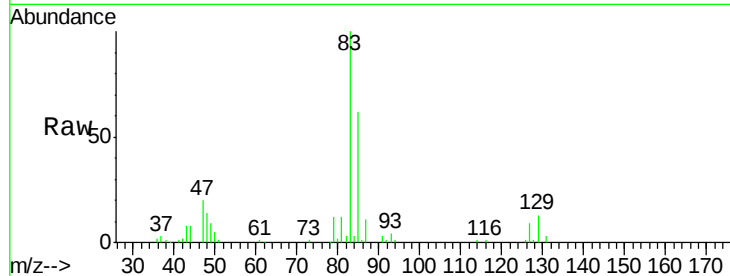
Tot Ion: 83 Resp: 54084

Ion Ratio Lower Upper

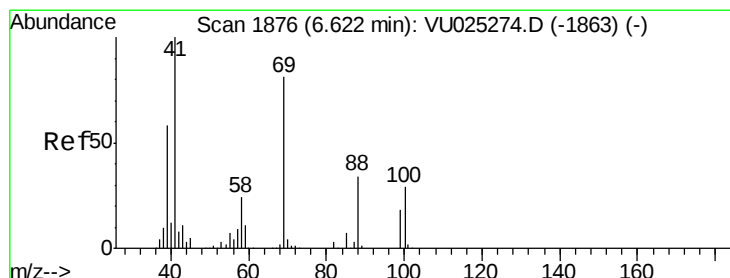
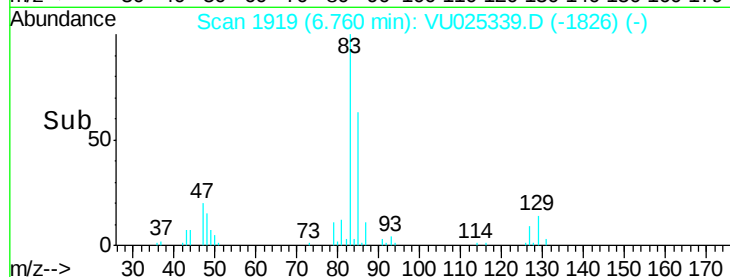
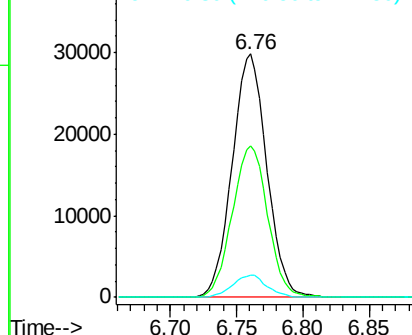
83 100

85 62.2 50.2 75.4

127 9.2 7.2 10.8



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



#48

Methyl methacrylate

Concen: 20.84 ug/l

RT: 6.63 min Scan# 1877

Delta R.T. 0.00 min

Lab File: VU025339.D

Acq: 12 Jul 2018 15:06

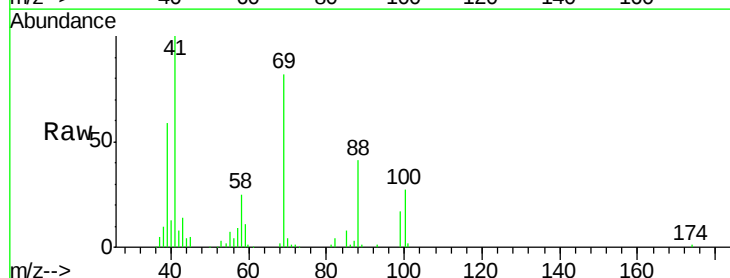
Tgt Ion: 41 Resp: 47978

Ion Ratio Lower Upper

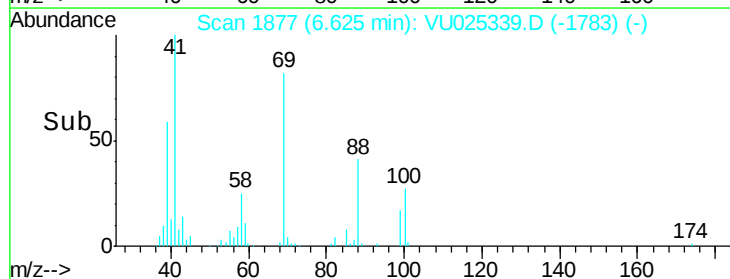
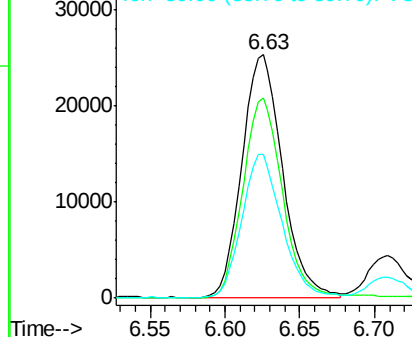
41 100

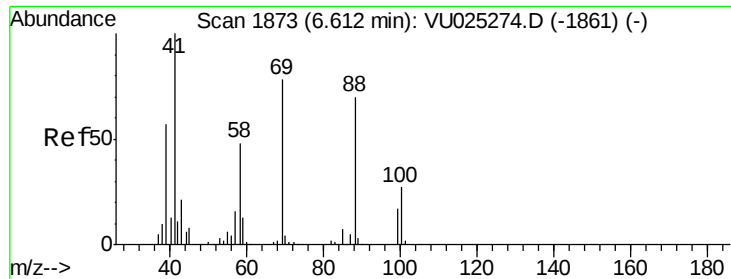
69 80.2 65.0 97.4

39 58.6 46.4 69.6



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

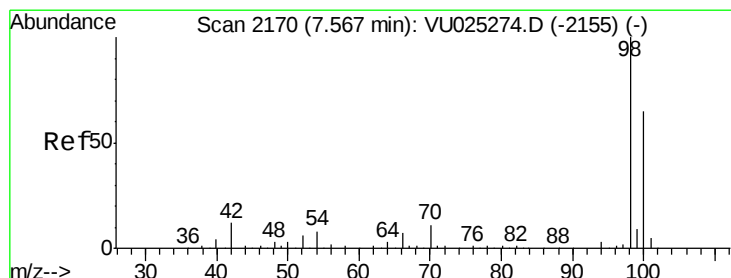
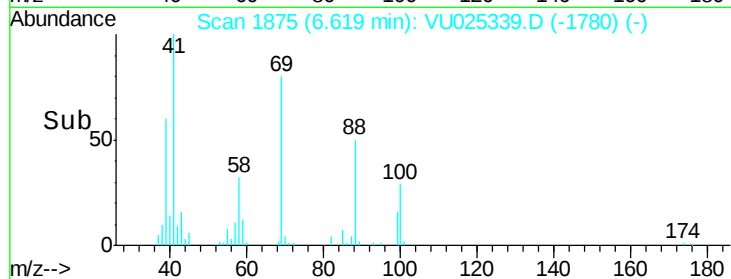
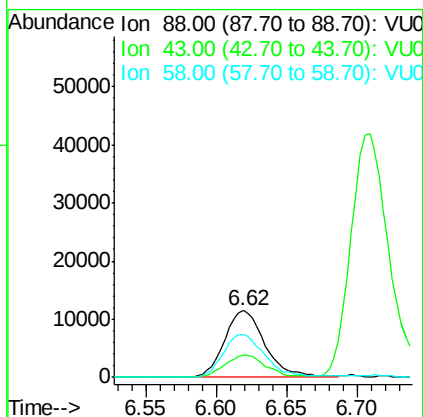
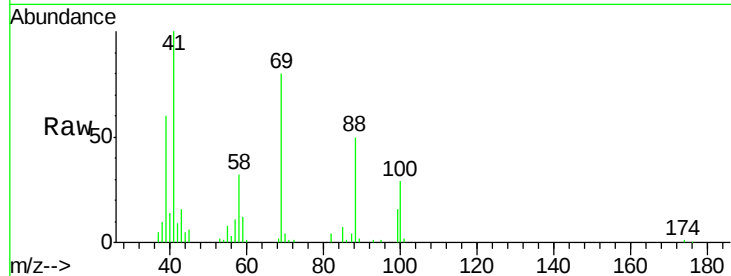




#49
1,4-Dioxane
Concen: 416.58 ug/l
RT: 6.62 min Scan# 1875
Delta R.T. 0.01 min
Lab File: VU025339.D
Acq: 12 Jul 2018 15:06

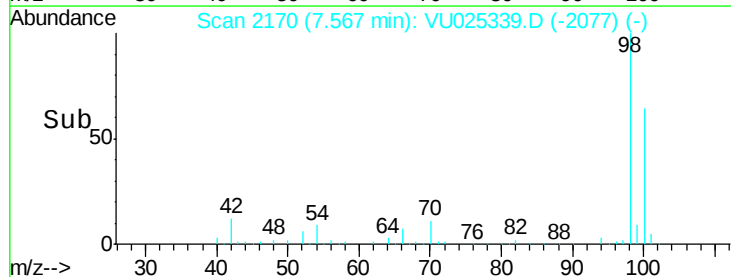
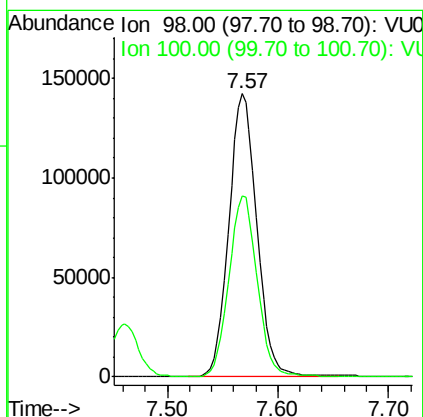
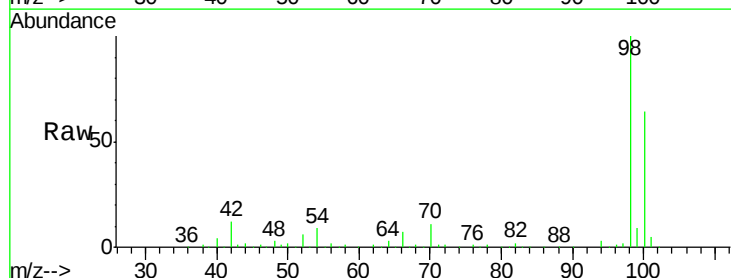
Instrument :
MSVOA_U
ClientSampleId :
VU0712WBS01

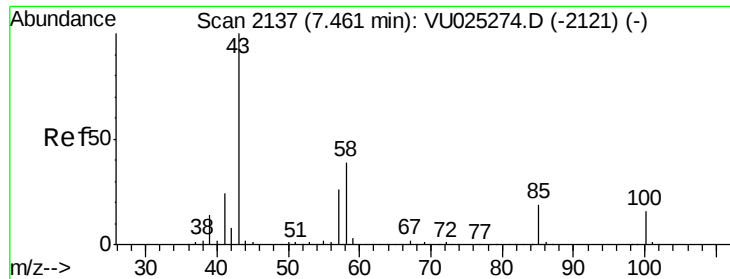
Tot Ion: 88 Resp: 23073
Ion Ratio Lower Upper
88 100
43 34.1 27.3 40.9
58 66.6 57.6 86.4



#50
Toluene-d8
Concen: 37.43 ug/l
RT: 7.57 min Scan# 2170
Delta R.T. 0.00 min
Lab File: VU025339.D
Acq: 12 Jul 2018 15:06

Tgt Ion: 98 Resp: 251461
Ion Ratio Lower Upper
98 100
100 64.7 51.1 76.7





#51

4-Methyl-2-Pentanone

Concen: 100.58 ug/l

RT: 7.46 min Scan# 2137

Delta R.T. 0.00 min

Lab File: VU025339.D

Acq: 12 Jul 2018 15:06

Instrument :

MSVOA_U

ClientSampleId :

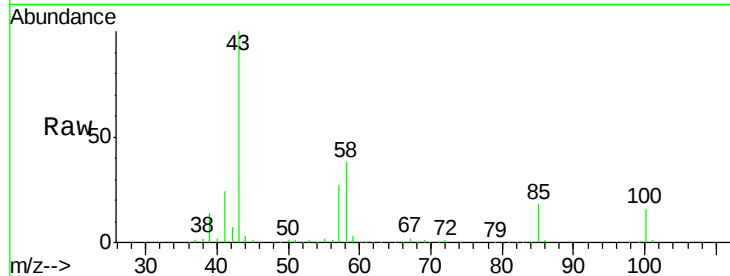
VU0712WBS01

Tot Ion: 43 Resp: 301840

Ion Ratio Lower Upper

43 100

58 38.3 31.0 46.4



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0

7.46

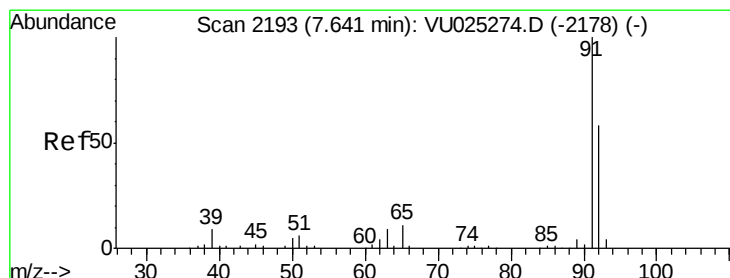
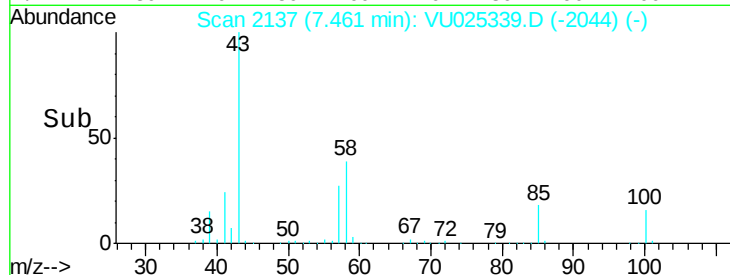
150000

100000

50000

0

Time-->



#52

Toluene

Concen: 20.29 ug/l

RT: 7.64 min Scan# 2192

Delta R.T. -0.00 min

Lab File: VU025339.D

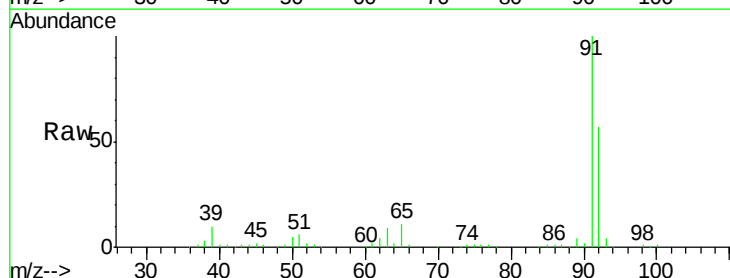
Acq: 12 Jul 2018 15:06

Tgt Ion: 92 Resp: 96155

Ion Ratio Lower Upper

92 100

91 176.4 139.2 208.8



Abundance Ion 92.00 (91.70 to 92.70): VU0

Ion 91.00 (90.70 to 91.70): VU0

7.64

100000

80000

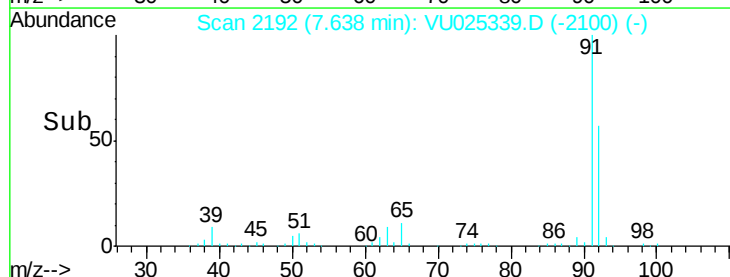
60000

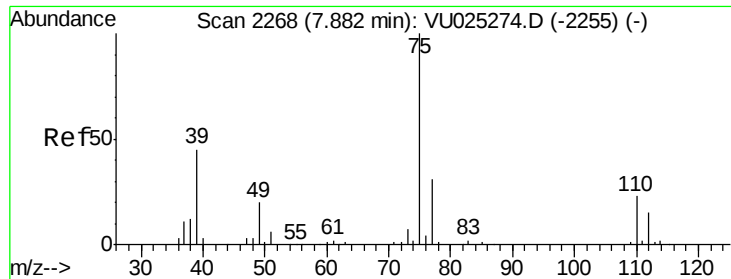
40000

20000

0

Time-->

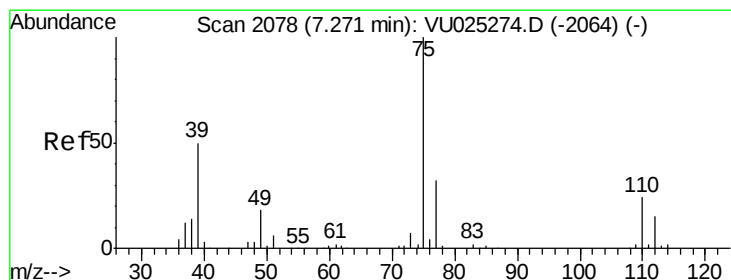
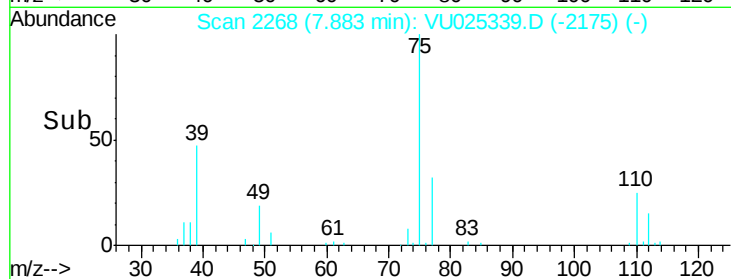
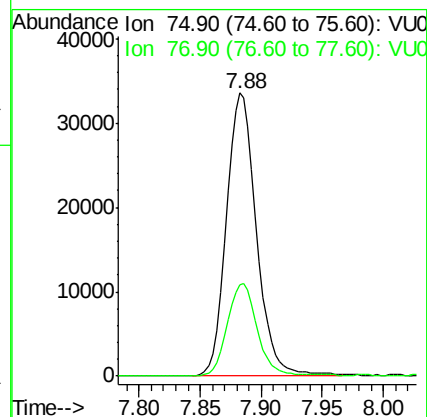
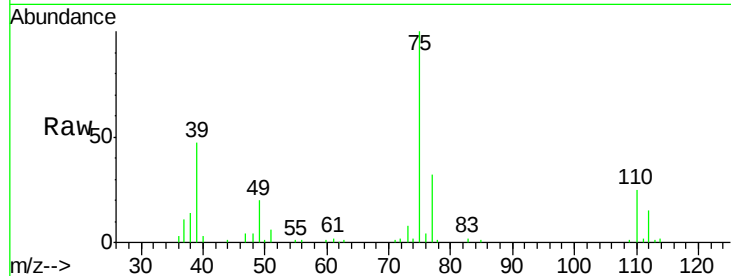




#53
 t-1,3-Dichloropropene
 Concen: 20.06 ug/l
 RT: 7.88 min Scan# 2268
 Delta R.T. 0.00 min
 Lab File: VU025339.D
 Acq: 12 Jul 2018 15:06

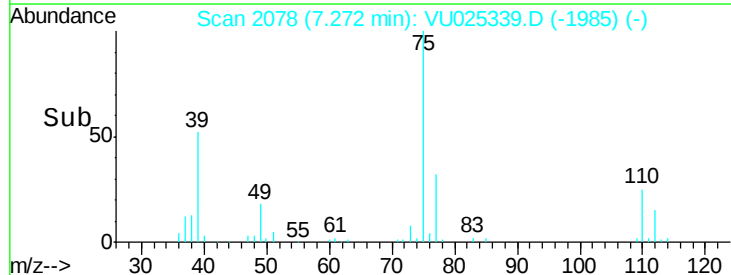
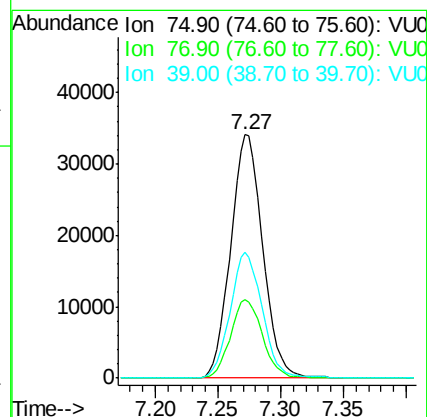
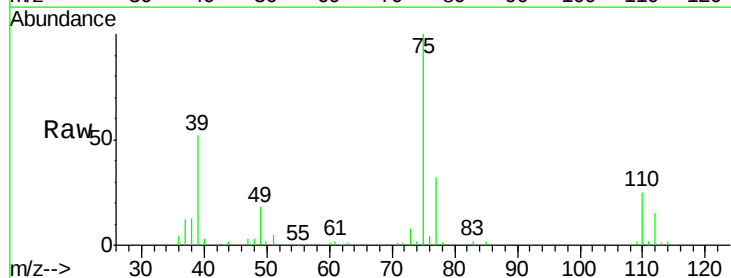
Instrument :
 MSVOA_U
 ClientSampleId :
 VU0712WBS01

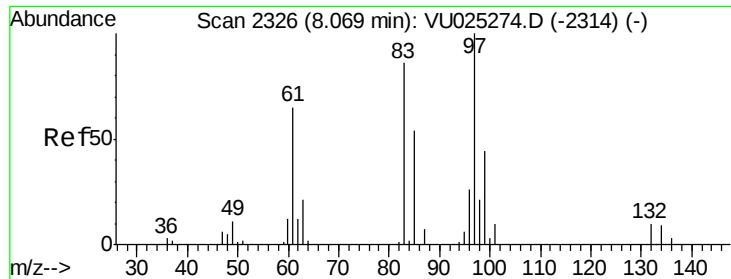
Tot Ion: 75 Resp: 58157
 Ion Ratio Lower Upper
 75 100
 77 32.3 24.5 36.7



#54
 cis-1,3-Dichloropropene
 Concen: 19.67 ug/l
 RT: 7.27 min Scan# 2078
 Delta R.T. 0.00 min
 Lab File: VU025339.D
 Acq: 12 Jul 2018 15:06

Tgt Ion: 75 Resp: 60671
 Ion Ratio Lower Upper
 75 100
 77 32.1 25.6 38.4
 39 51.8 40.0 60.0

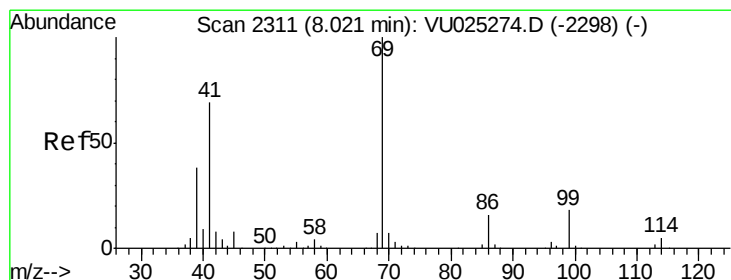
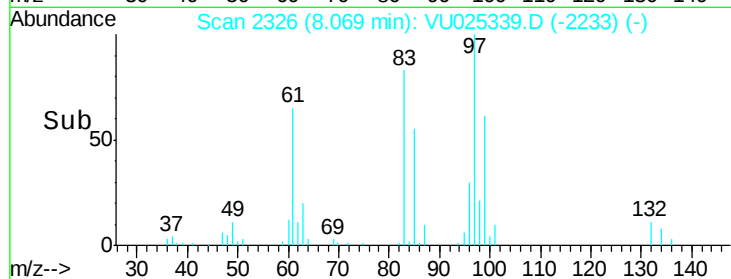
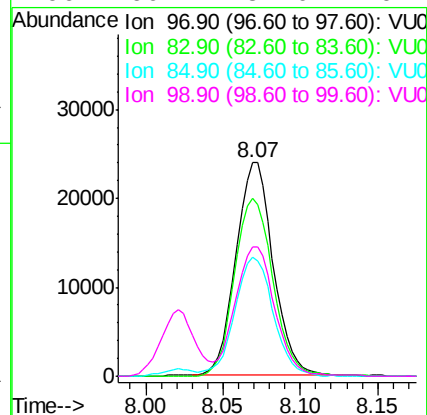
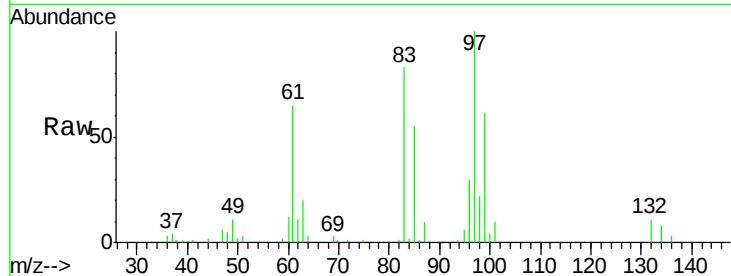




#55
 1,1,2-Trichloroethane
 Concen: 20.31 ug/l
 RT: 8.07 min Scan# 2326
 Delta R.T. 0.00 min
 Lab File: VU025339.D
 Acq: 12 Jul 2018 15:06

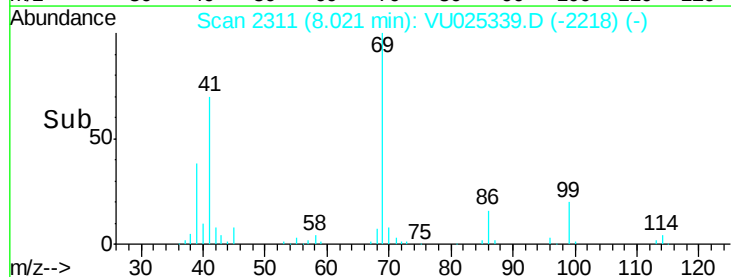
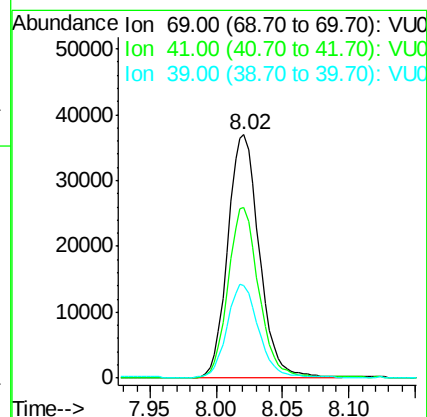
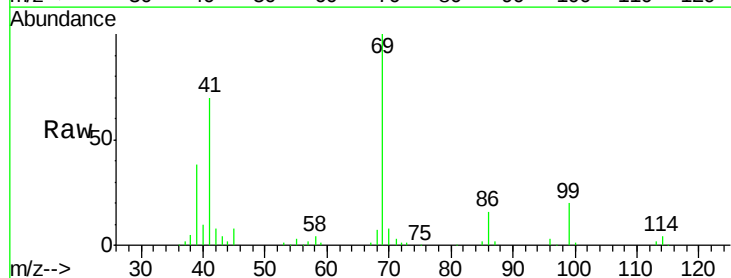
Instrument :
 MSVOA_U
 ClientSampleId :
 VU0712WBS01

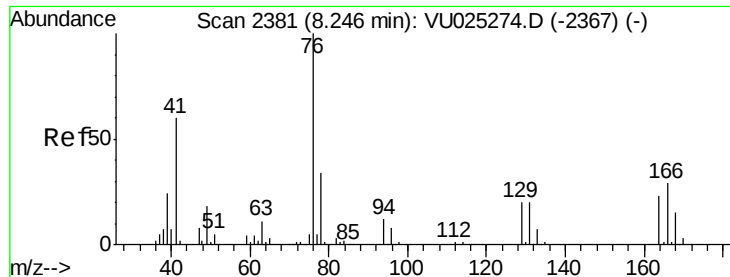
Tot Ion:	97	Resp:	40096
Ion	Ratio	Lower	Upper
97	100		
83	83.8	68.9	103.3
85	55.7	44.4	66.6
99	60.1	51.0	76.4



#56
 Ethyl methacrylate
 Concen: 19.89 ug/l
 RT: 8.02 min Scan# 2311
 Delta R.T. 0.00 min
 Lab File: VU025339.D
 Acq: 12 Jul 2018 15:06

Tgt Ion:	69	Resp:	61330
Ion	Ratio	Lower	Upper
69	100		
41	68.6	54.8	82.2
39	38.9	31.1	46.7





#57

1,3-Dichloropropane

Concen: 20.64 ug/l

RT: 8.25 min Scan# 2381

Delta R.T. 0.00 min

Lab File: VU025339.D

Acq: 12 Jul 2018 15:06

Instrument :

MSVOA_U

ClientSampleId :

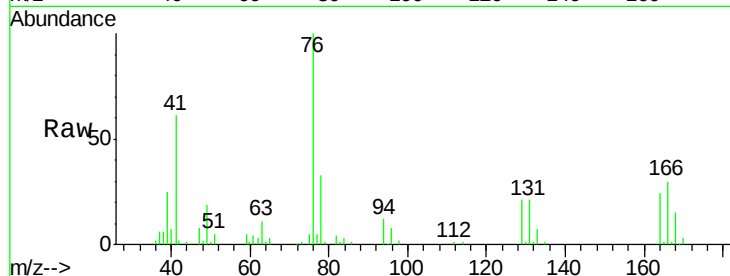
VU0712WBS01

Tot Ion: 76 Resp: 67657

Ion Ratio Lower Upper

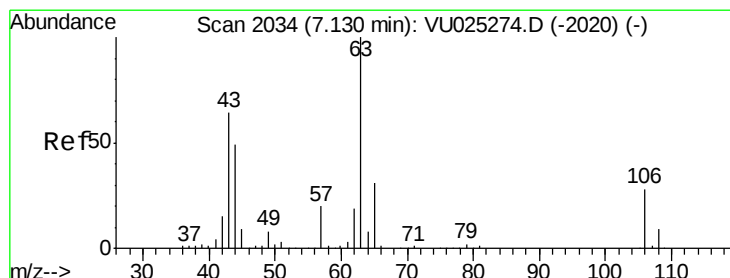
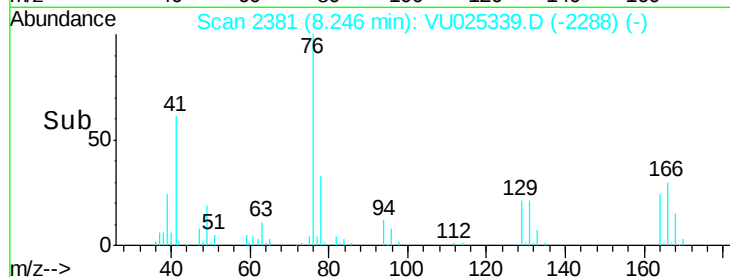
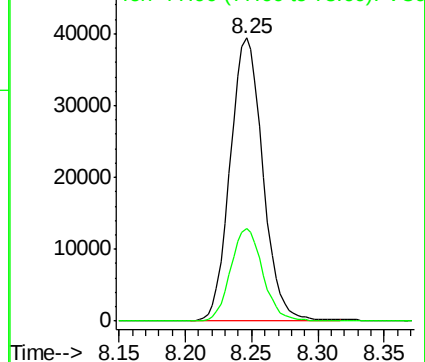
76 100

78 32.0 26.1 39.1



Abundance Ion 75.90 (75.60 to 76.60): VU0

Ion 77.90 (77.60 to 78.60): VU0



#58

2-Chloroethyl Vinyl ether

Concen: 90.78 ug/l

RT: 7.13 min Scan# 2034

Delta R.T. 0.00 min

Lab File: VU025339.D

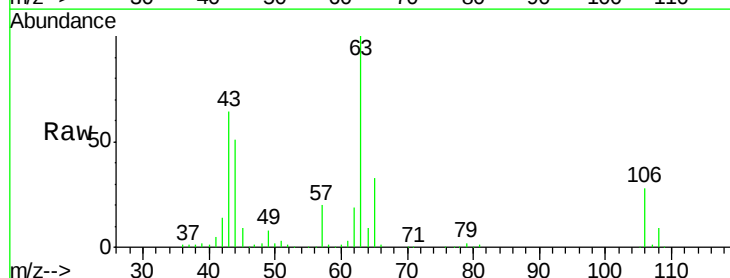
Acq: 12 Jul 2018 15:06

Tgt Ion: 63 Resp: 125726

Ion Ratio Lower Upper

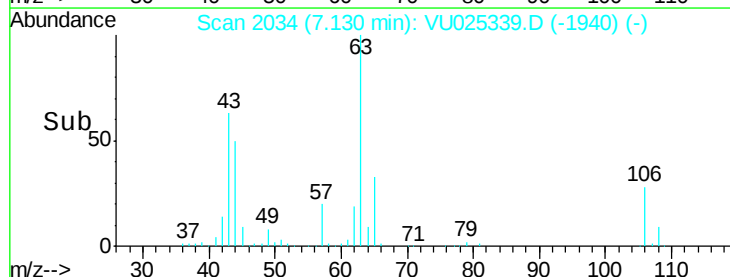
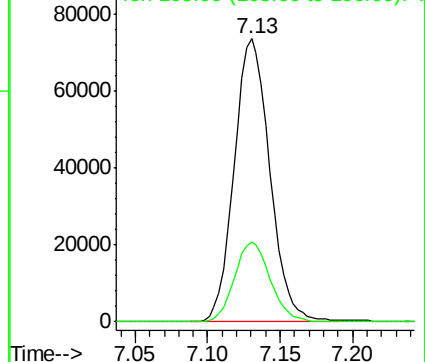
63 100

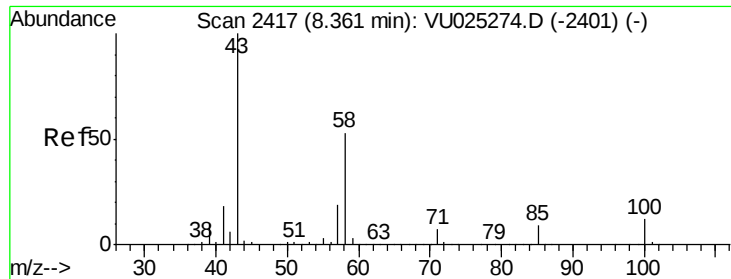
106 28.3 22.3 33.5



Abundance Ion 62.90 (62.60 to 63.60): VU0

Ion 105.90 (105.60 to 106.60): V

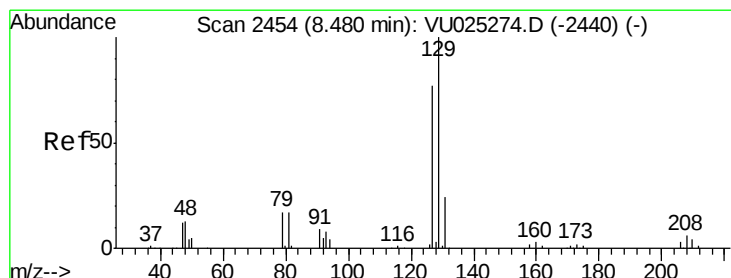
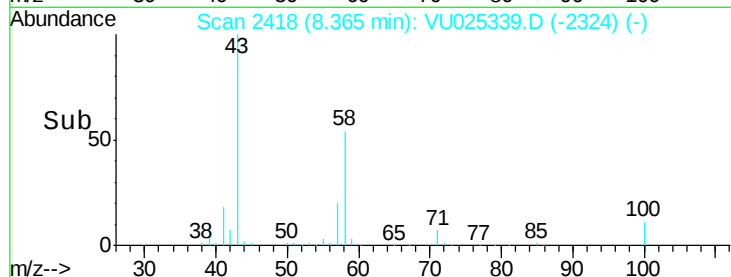
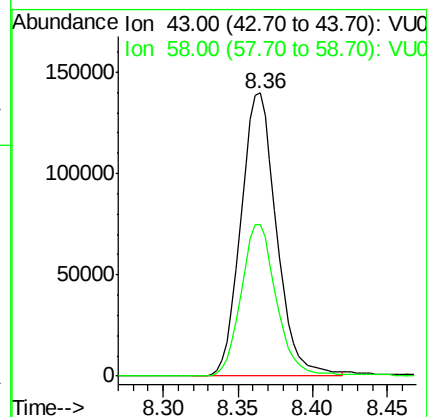
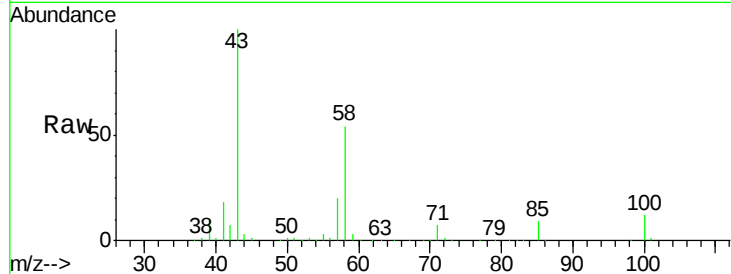




#59
2-Hexanone
Concen: 95.12 ug/l
RT: 8.36 min Scan# 2418
Delta R.T. 0.00 min
Lab File: VU025339.D
Acq: 12 Jul 2018 15:06

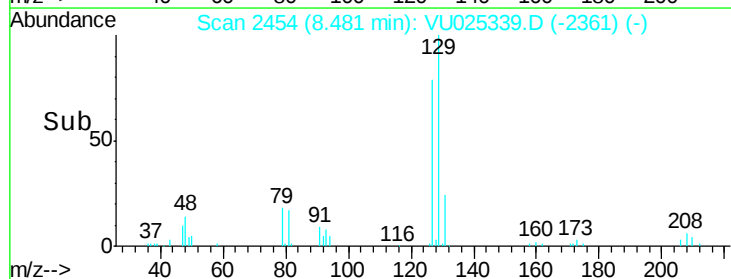
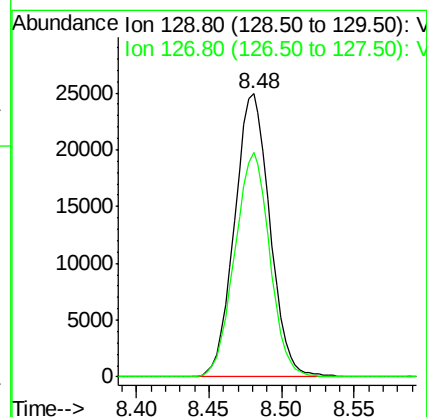
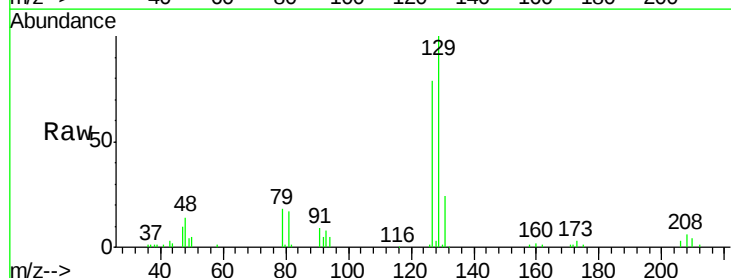
Instrument :
MSVOA_U
ClientSampleId :
VU0712WBS01

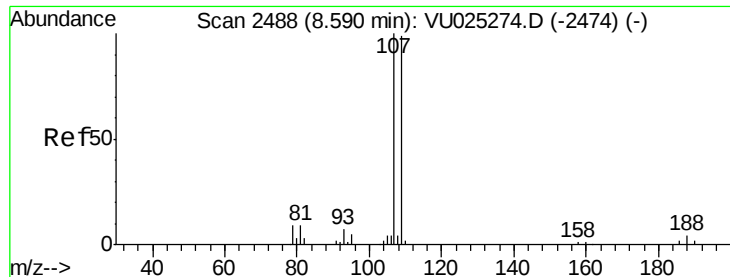
Tot Ion: 43 Resp: 231547
Ion Ratio Lower Upper
43 100
58 53.1 26.2 78.5



#60
Dibromochloromethane
Concen: 19.81 ug/l
RT: 8.48 min Scan# 2454
Delta R.T. 0.00 min
Lab File: VU025339.D
Acq: 12 Jul 2018 15:06

Tgt Ion: 129 Resp: 42225
Ion Ratio Lower Upper
129 100
127 78.3 38.6 115.8

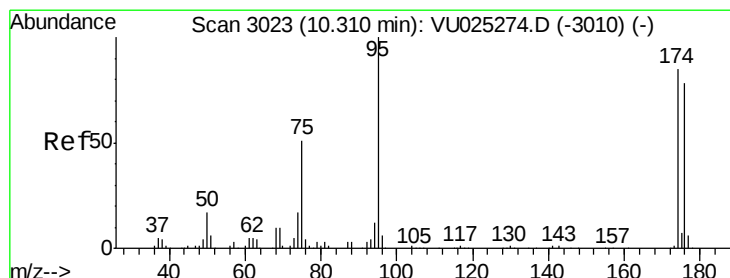
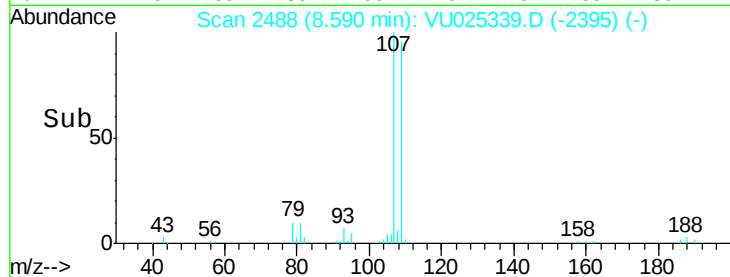
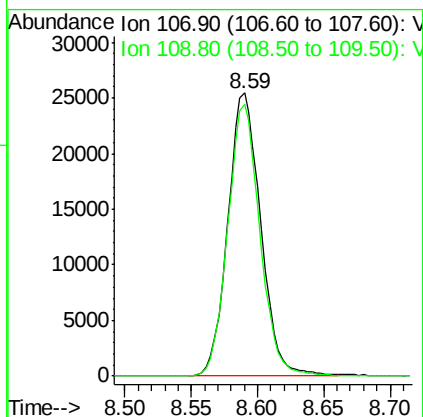
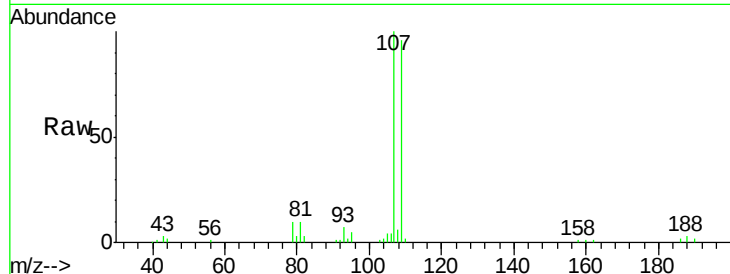




#61
 1,2-Dibromoethane
 Concen: 20.78 ug/l
 RT: 8.59 min Scan# 2488
 Delta R.T. 0.00 min
 Lab File: VU025339.D
 Acq: 12 Jul 2018 15:06

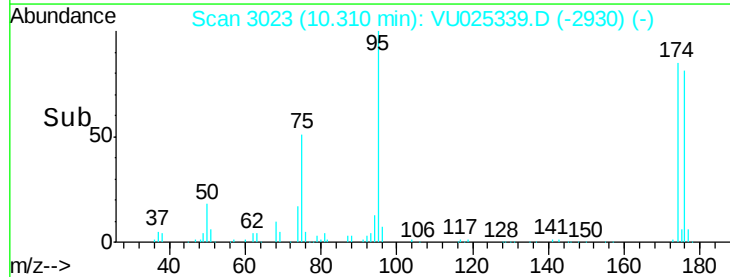
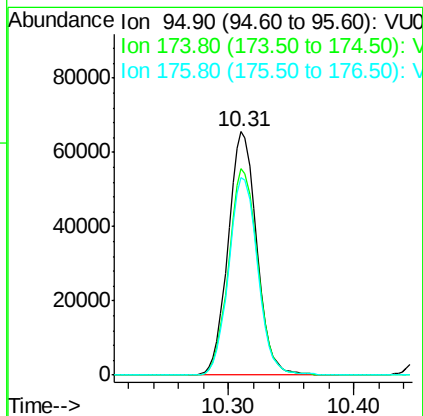
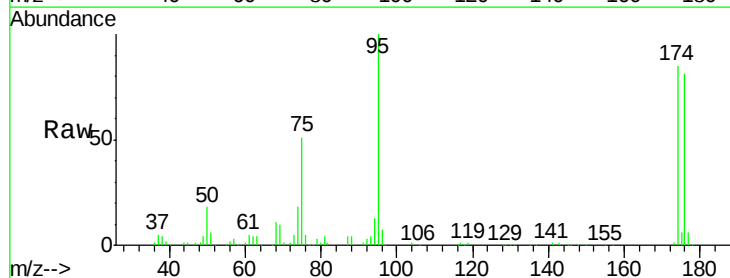
Instrument :
 MSVOA_U
 ClientSampleId :
 VU0712WBS01

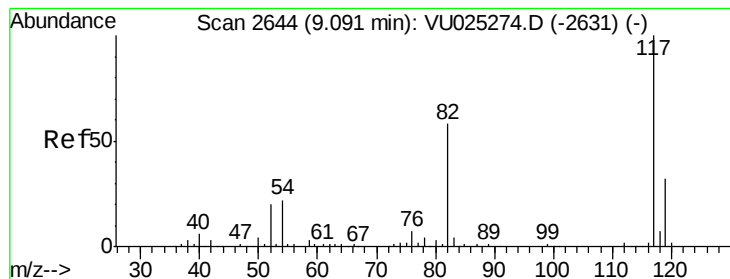
Tot Ion:107 Resp: 43888
 Ion Ratio Lower Upper
 107 100
 109 93.8 75.8 113.8



#62
 4-Bromofluorobenzene
 Concen: 38.47 ug/l
 RT: 10.31 min Scan# 3023
 Delta R.T. 0.00 min
 Lab File: VU025339.D
 Acq: 12 Jul 2018 15:06

Tgt Ion: 95 Resp: 104049
 Ion Ratio Lower Upper
 95 100
 174 85.9 0.0 172.2
 176 82.3 0.0 162.6





#63

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 9.09 min Scan# 2644

Delta R.T. 0.00 min

Lab File: VU025339.D

Acq: 12 Jul 2018 15:06

Instrument :

MSVOA_U

ClientSampleId :

VU0712WBS01

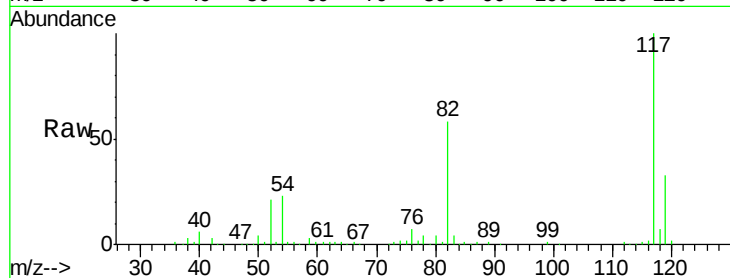
Tot Ion:117 Resp: 214855

Ion Ratio Lower Upper

117 100

82 58.1 46.0 69.0

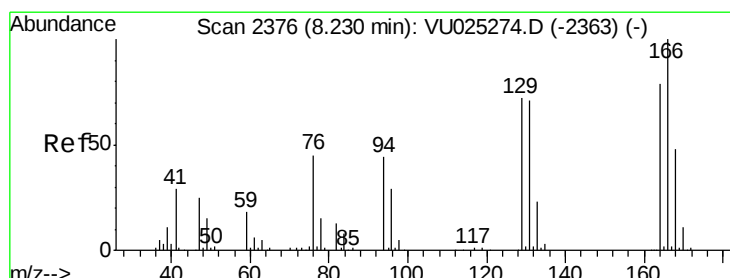
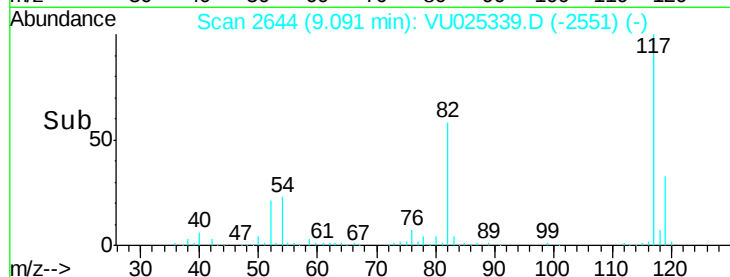
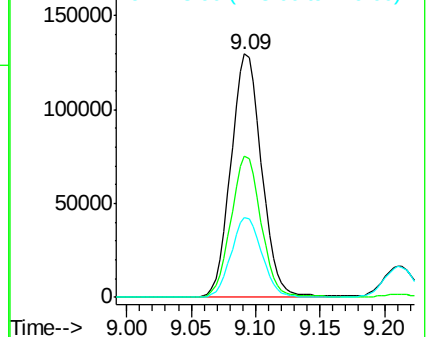
119 32.8 26.0 39.0



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V



#64

Tetrachloroethene

Concen: 20.48 ug/l

RT: 8.23 min Scan# 2376

Delta R.T. 0.00 min

Lab File: VU025339.D

Acq: 12 Jul 2018 15:06

Tgt Ion:164 Resp: 40118

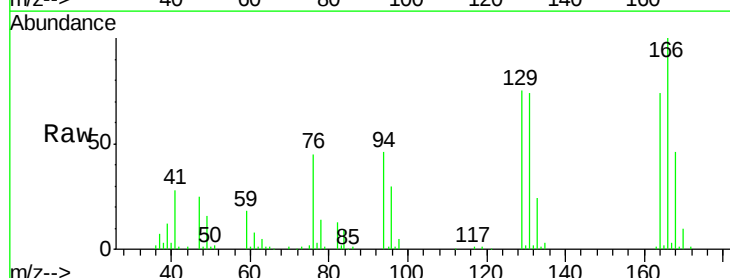
Ion Ratio Lower Upper

164 100

166 134.3 101.1 151.7

129 100.3 73.0 109.6

131 99.2 72.1 108.1

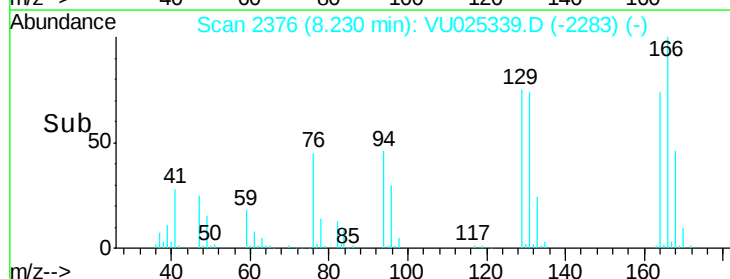
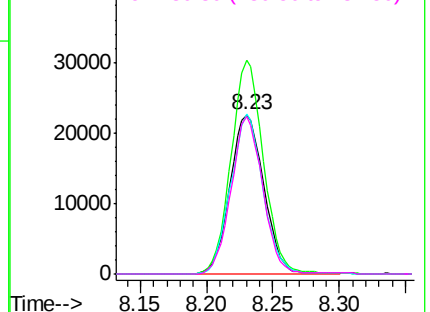


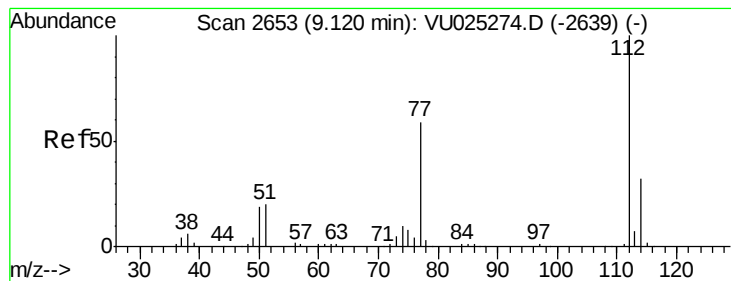
Abundance Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V





#65

Chlorobenzene

Concen: 20.35 ug/l

RT: 9.12 min Scan# 2654

Delta R.T. 0.00 min

Lab File: VU025339.D

Acq: 12 Jul 2018 15:06

Instrument :

MSVOA_U

ClientSampleId :

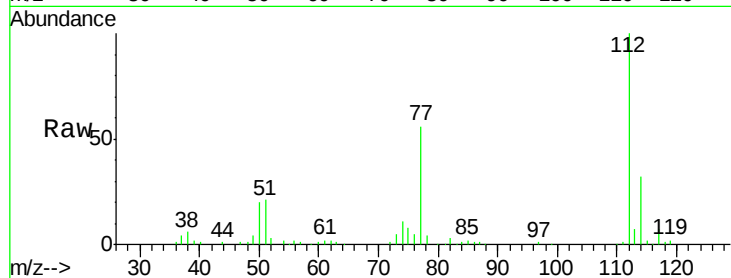
VU0712WBS01

Tot Ion:112 Resp: 109211

Ion Ratio Lower Upper

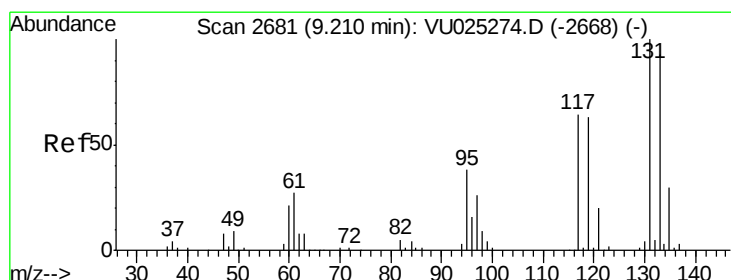
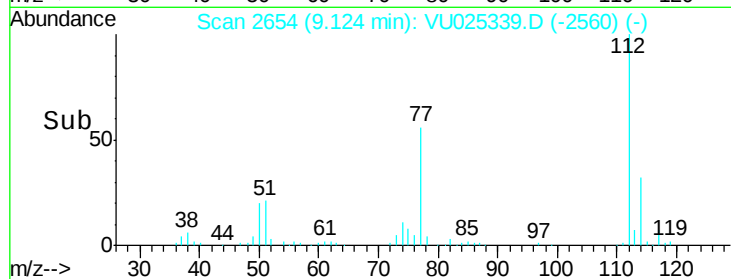
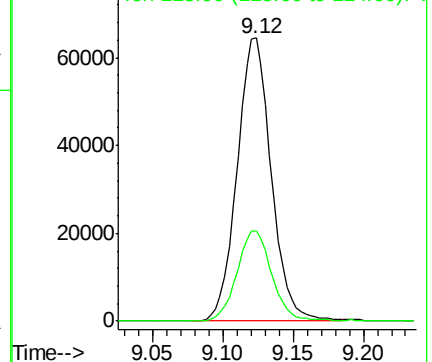
112 100

114 31.9 25.8 38.8



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: 20.87 ug/l

RT: 9.21 min Scan# 2681

Delta R.T. 0.00 min

Lab File: VU025339.D

Acq: 12 Jul 2018 15:06

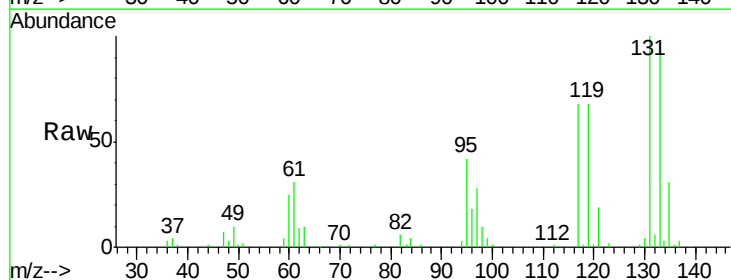
Tgt Ion:131 Resp: 40070

Ion Ratio Lower Upper

131 100

133 99.4 47.8 143.3

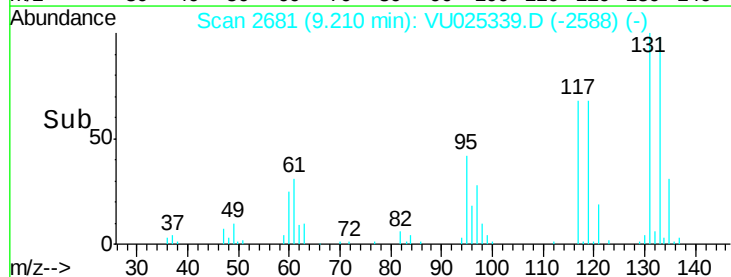
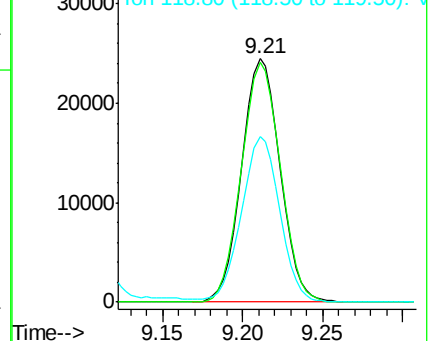
119 67.6 31.6 95.0

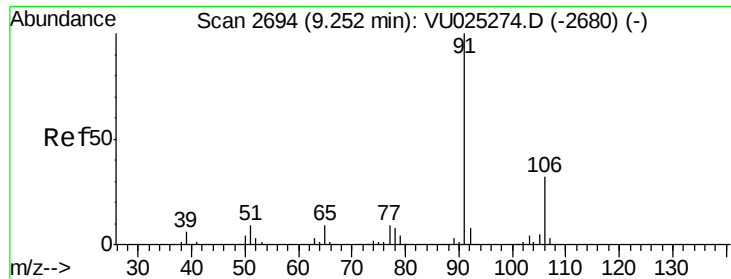


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V

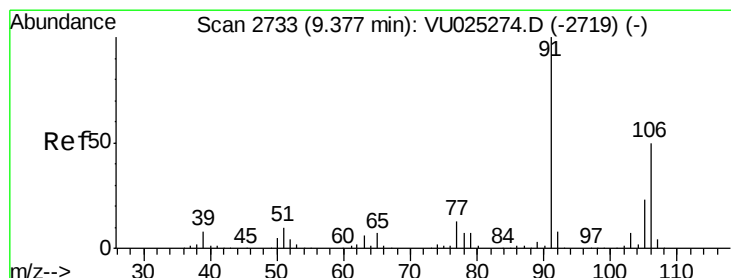
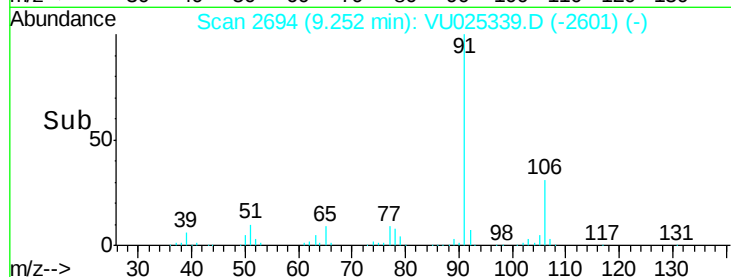
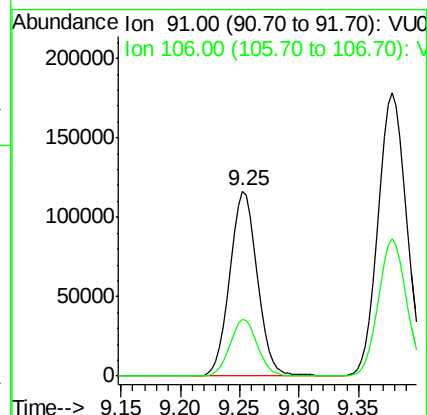
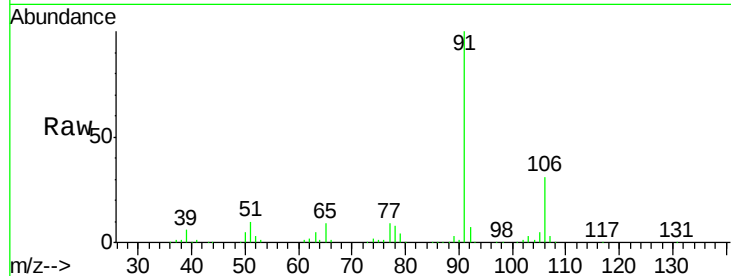




#67
Ethyl Benzene
Concen: 20.53 ug/l
RT: 9.25 min Scan# 2694
Delta R.T. 0.00 min
Lab File: VU025339.D
Acq: 12 Jul 2018 15:06

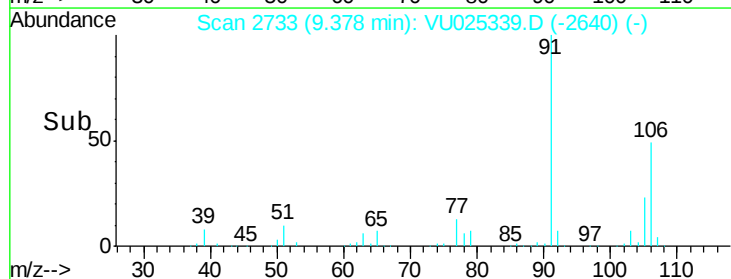
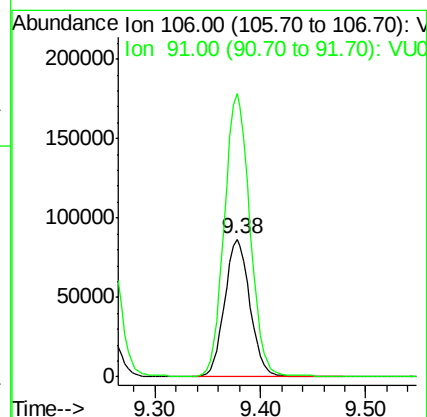
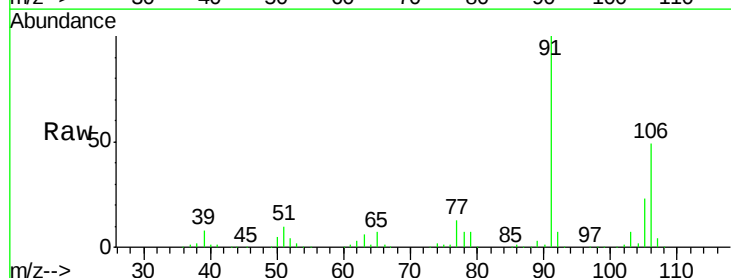
Instrument :
MSVOA_U
ClientSampleId :
VU0712WBS01

Tot Ion: 91 Resp: 187875
Ion Ratio Lower Upper
91 100
106 30.7 25.3 37.9



#68
m/p-Xylenes
Concen: 40.70 ug/l
RT: 9.38 min Scan# 2733
Delta R.T. 0.00 min
Lab File: VU025339.D
Acq: 12 Jul 2018 15:06

Tgt Ion: 106 Resp: 143999
Ion Ratio Lower Upper
106 100
91 208.3 162.3 243.5

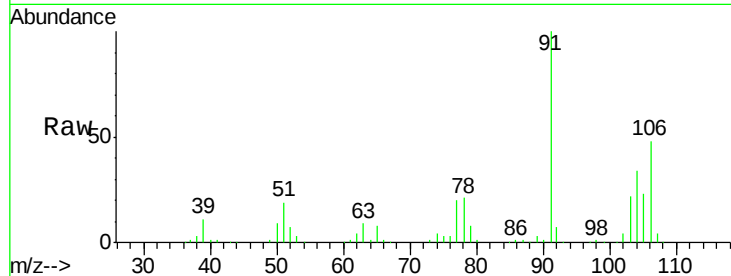




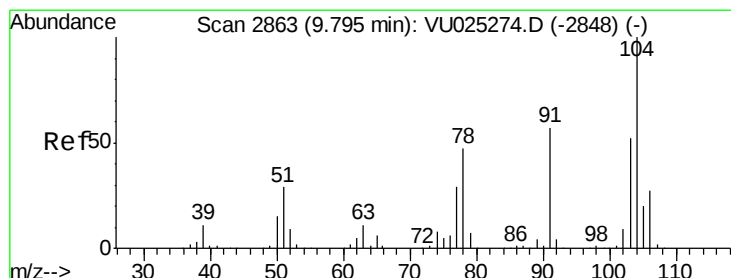
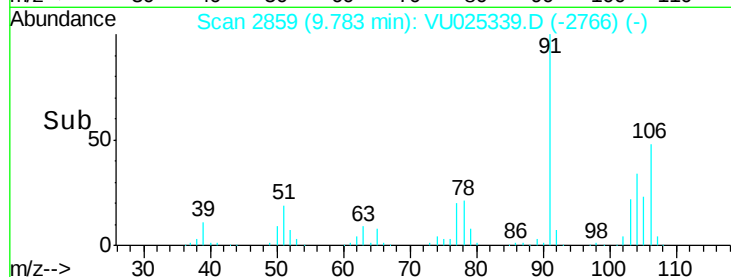
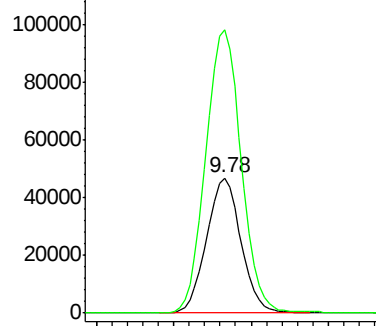
#69
o-Xylene
Concen: 20.48 ug/l
RT: 9.78 min Scan# 2859
Delta R.T. 0.00 min
Lab File: VU025339.D
Acq: 12 Jul 2018 15:06

Instrument :
MSVOA_U
ClientSampleId :
VU0712WBS01

Tot Ion:106 Resp: 72529
Ion Ratio Lower Upper
106 100
91 216.5 105.3 315.8

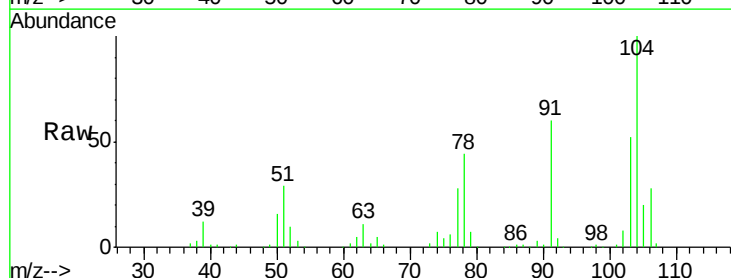


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VU0

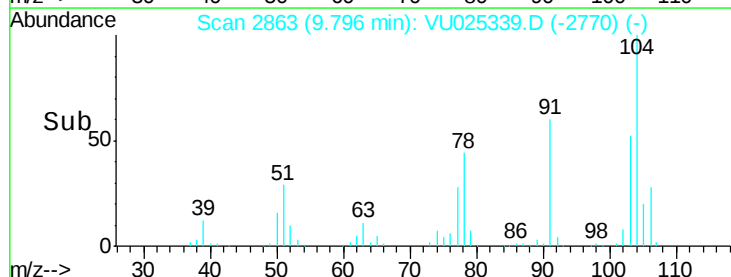
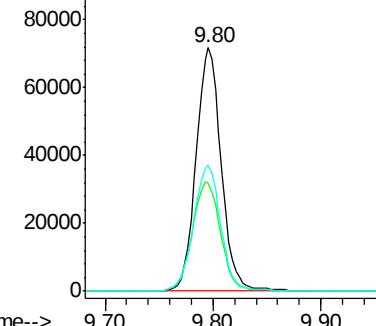


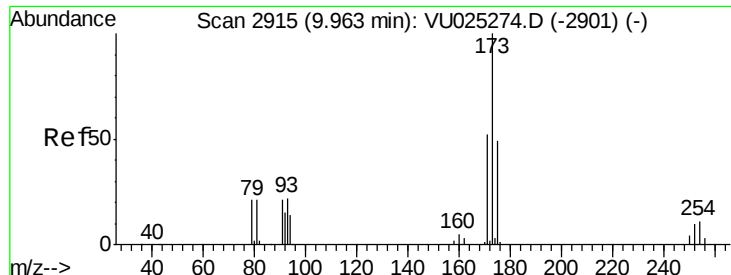
#70
Styrene
Concen: 20.72 ug/l
RT: 9.80 min Scan# 2863
Delta R.T. 0.00 min
Lab File: VU025339.D
Acq: 12 Jul 2018 15:06

Tgt Ion:104 Resp: 116560
Ion Ratio Lower Upper
104 100
78 50.4 41.6 62.4
103 55.8 44.6 66.8



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VU0
Ion 103.00 (102.70 to 103.70): V

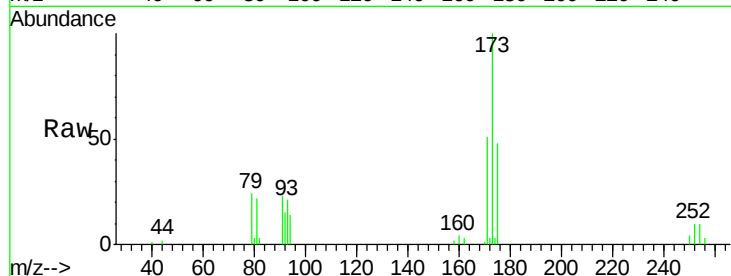




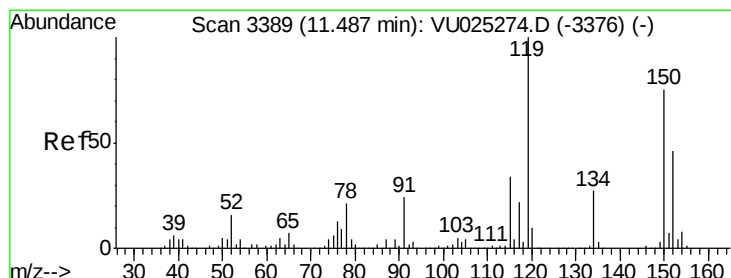
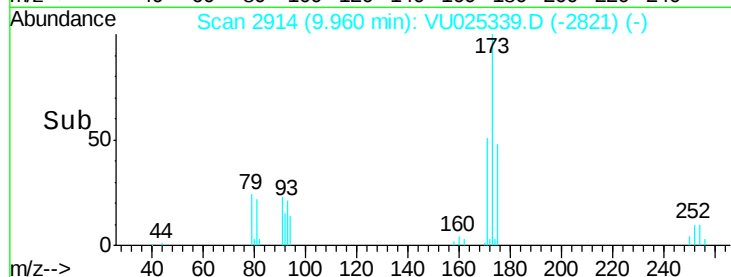
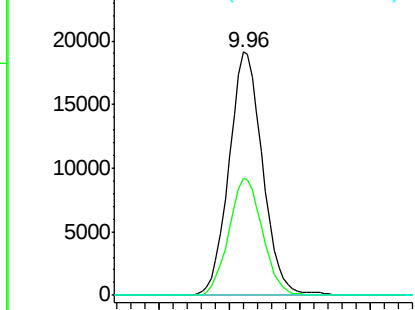
#71
Bromoform
Concen: 20.14 ug/l
RT: 9.96 min Scan# 2914
Delta R.T. -0.00 min
Lab File: VU025339.D
Acq: 12 Jul 2018 15:06

Instrument :
MSVOA_U
ClientSampleId :
VU0712WBS01

Tot Ion:173 Resp: 31771
Ion Ratio Lower Upper
173 100
175 48.1 24.0 72.0
254 0.0 0.0 0.0

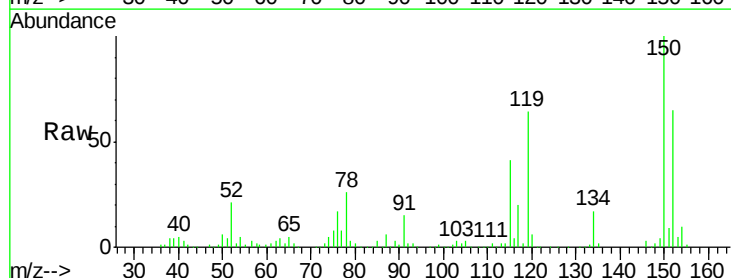


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

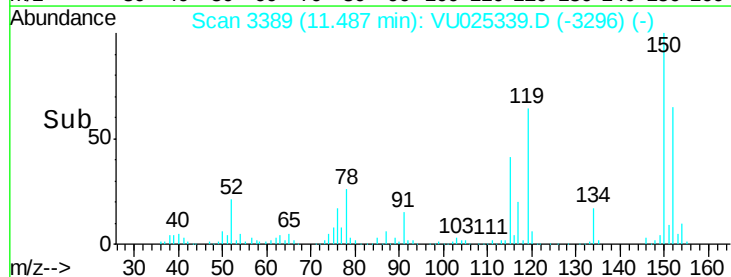
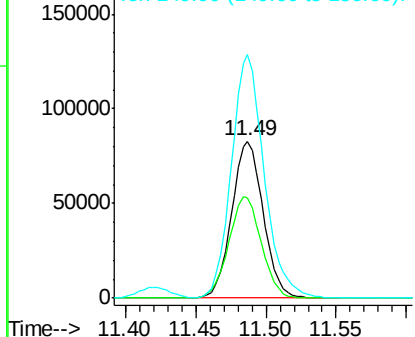


#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 11.49 min Scan# 3389
Delta R.T. 0.00 min
Lab File: VU025339.D
Acq: 12 Jul 2018 15:06

Tgt Ion:152 Resp: 129342
Ion Ratio Lower Upper
152 100
115 66.7 40.1 120.3
150 161.5 0.0 351.4



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: 20.18 ug/l

RT: 10.17 min Scan# 2979

Delta R.T. 0.00 min

Lab File: VU025339.D

Acq: 12 Jul 2018 15:06

Instrument :

MSVOA_U

ClientSampleId :

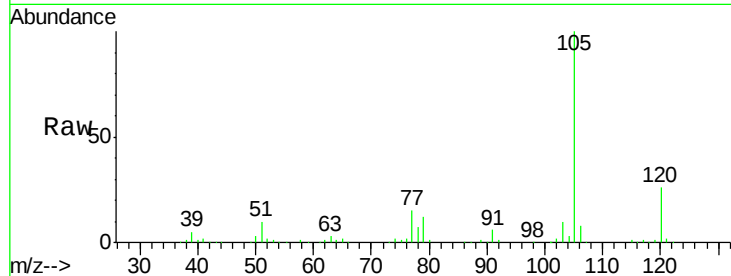
VU0712WBS01

Tot Ion:105 Resp: 199446

Ion Ratio Lower Upper

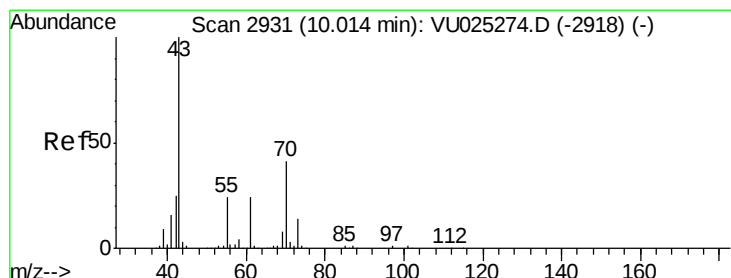
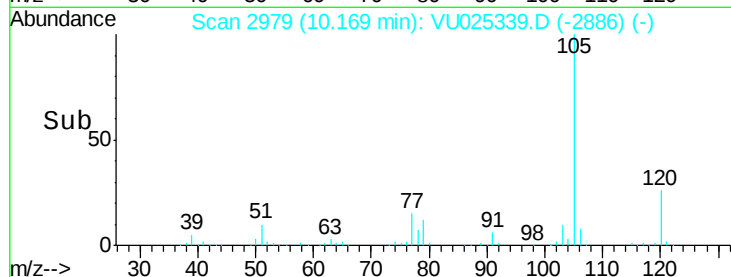
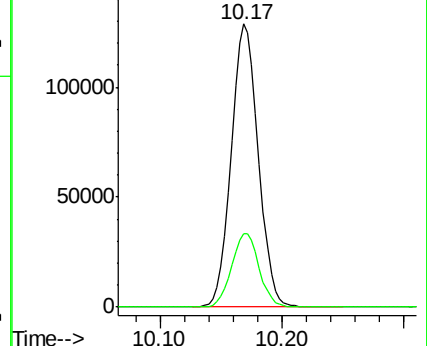
105 100

120 26.4 13.5 40.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 20.06 ug/l

RT: 10.01 min Scan# 2931

Delta R.T. 0.00 min

Lab File: VU025339.D

Acq: 12 Jul 2018 15:06

Tgt Ion: 43 Resp: 77988

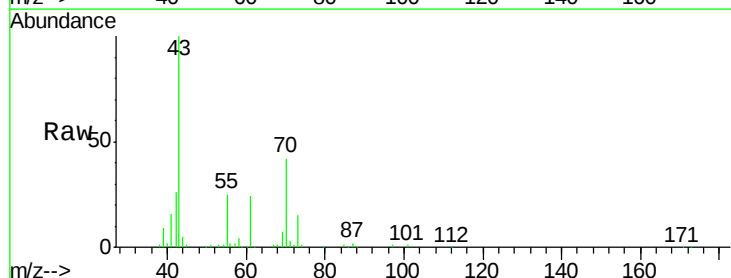
Ion Ratio Lower Upper

43 100

70 41.3 33.4 50.2

55 24.6 19.0 28.6

61 23.4 19.3 28.9

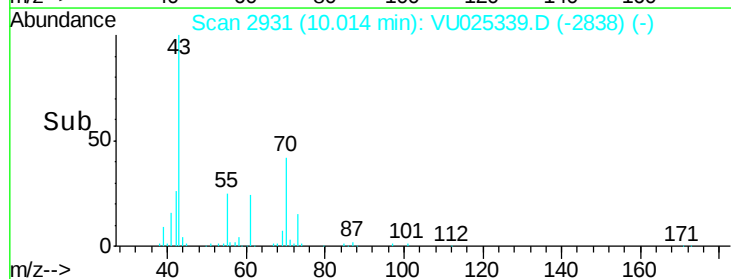
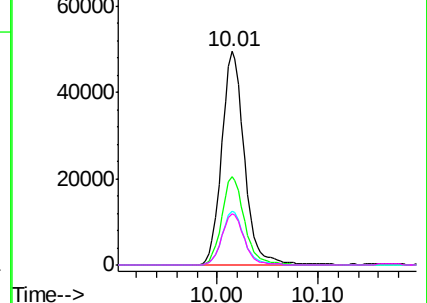


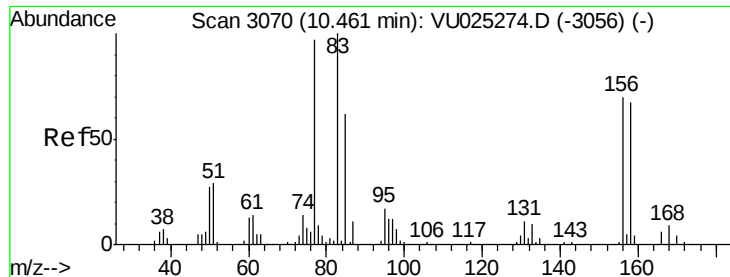
Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 70.00 (69.70 to 70.70): VU0

Ion 55.00 (54.70 to 55.70): VU0

Ion 61.00 (60.70 to 61.70): VU0





#75

1,1,2,2-Tetrachloroethane

Concen: 19.89 ug/l

RT: 10.46 min Scan# 3070

Delta R.T. 0.00 min

Lab File: VU025339.D

Acq: 12 Jul 2018 15:06

Instrument :

MSVOA_U

ClientSampleId :

VU0712WBS01

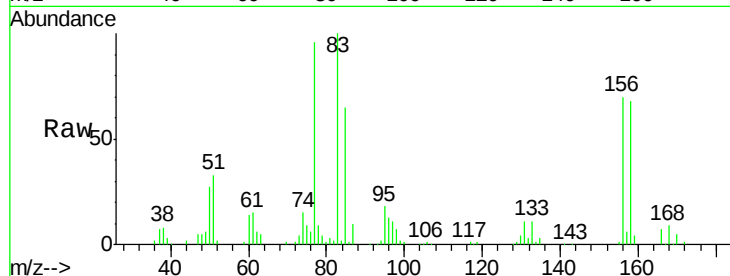
Tot Ion: 83 Resp: 64307

Ion Ratio Lower Upper

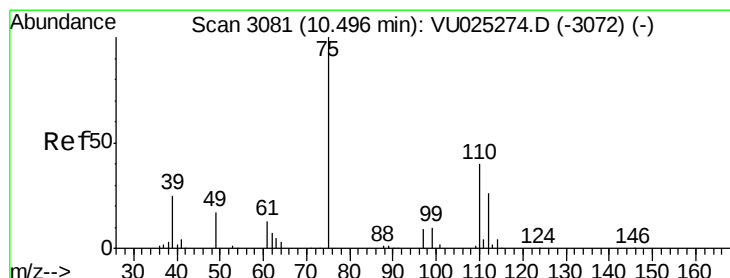
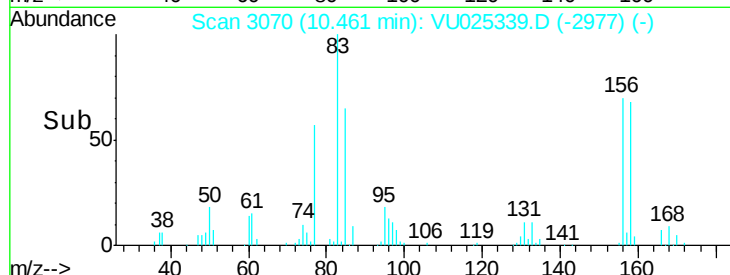
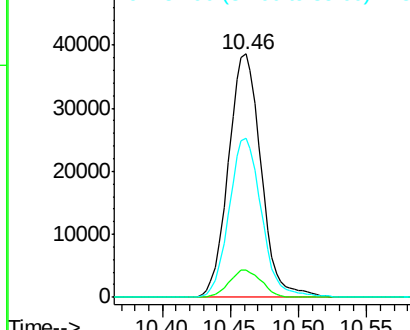
83 100

131 11.2 5.5 16.4

85 65.0 31.6 94.8



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: 27.62 ug/l

RT: 10.50 min Scan# 3081

Delta R.T. 0.00 min

Lab File: VU025339.D

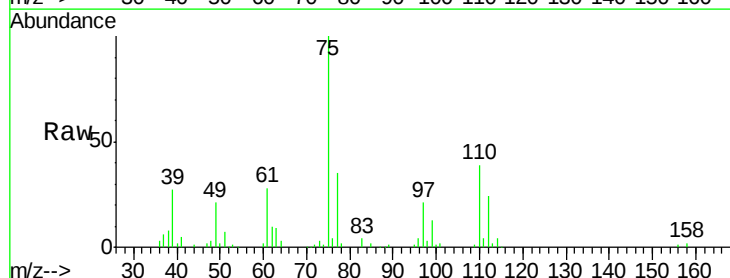
Acq: 12 Jul 2018 15:06

Tgt Ion: 75 Resp: 72683

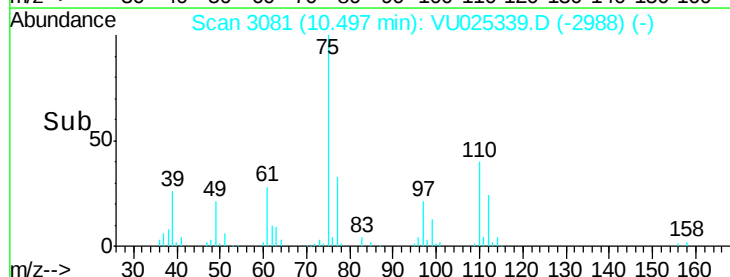
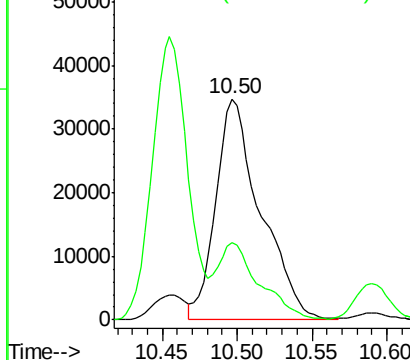
Ion Ratio Lower Upper

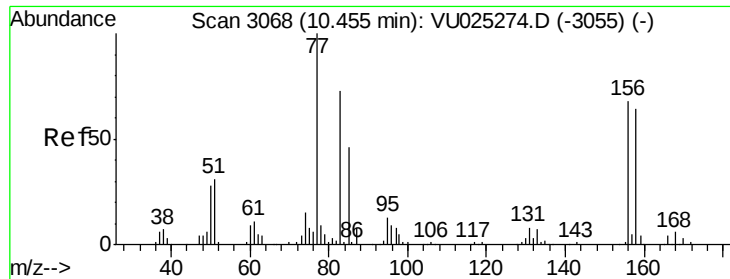
75 100

77 31.2 20.4 61.3



Abundance Ion 74.90 (74.60 to 75.60): VU0
Ion 77.00 (76.70 to 77.70): VU0





#77

Bromobenzene

Concen: 19.72 ug/l

RT: 10.45 min Scan# 3068

Delta R.T. 0.00 min

Lab File: VU025339.D

Acq: 12 Jul 2018 15:06

Instrument :

MSVOA_U

ClientSampleId :

VU0712WBS01

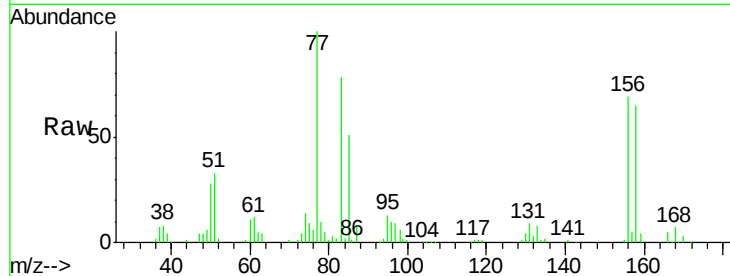
Tot Ion:156 Resp: 49851

Ion Ratio Lower Upper

156 100

77 145.9 73.8 221.4

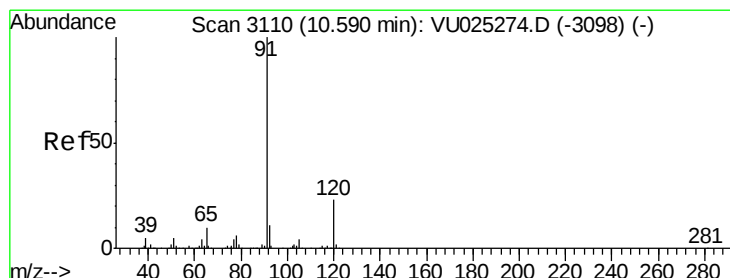
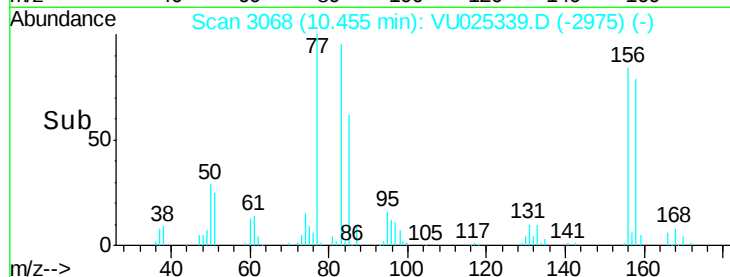
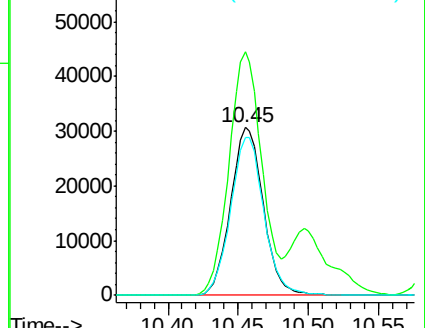
158 95.7 48.0 144.0



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: 20.07 ug/l

RT: 10.59 min Scan# 3110

Delta R.T. 0.00 min

Lab File: VU025339.D

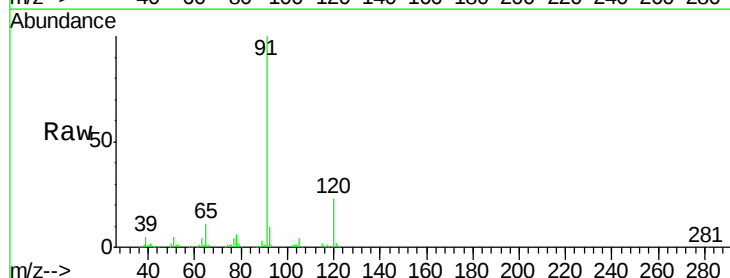
Acq: 12 Jul 2018 15:06

Tgt Ion: 91 Resp: 220122

Ion Ratio Lower Upper

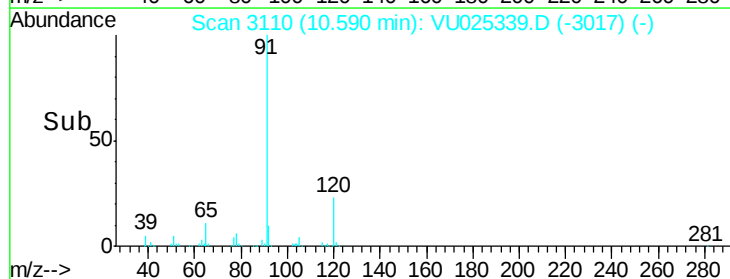
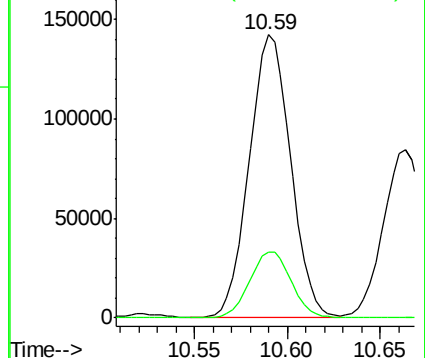
91 100

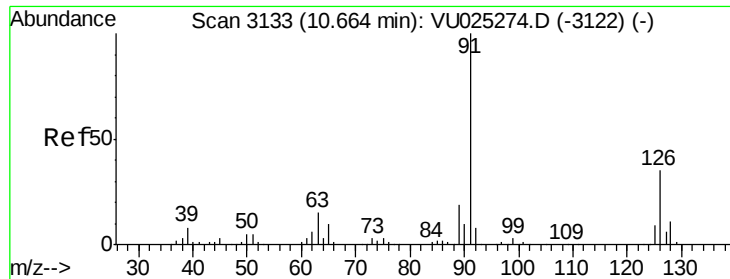
120 23.6 11.8 35.3



Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 21.45 ug/l

RT: 10.66 min Scan# 3133

Delta R.T. 0.00 min

Lab File: VU025339.D

Acq: 12 Jul 2018 15:06

Instrument :

MSVOA_U

ClientSampleId :

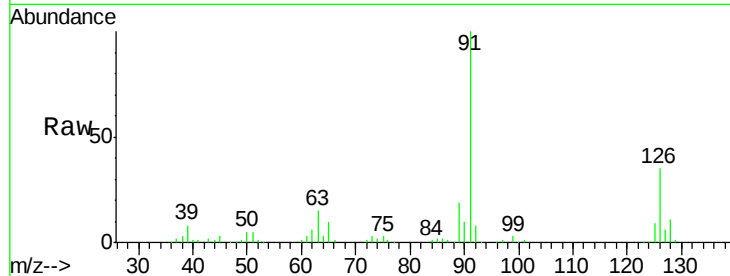
VU0712WBS01

Tot Ion: 91 Resp: 134567

Ion Ratio Lower Upper

91 100

126 34.6 17.5 52.6



Abundance Ion 91.00 (90.70 to 91.70): VU025274.D (-3122) (-)

Ion 125.90 (125.60 to 126.60): VU025274.D (-3122) (-)

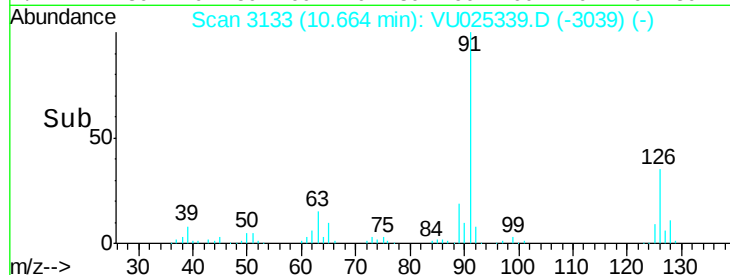
150000

100000

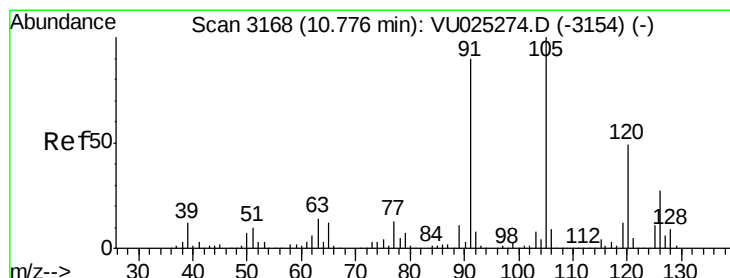
50000

0

10.60 10.65 10.70



Time-->



#80

1,3,5-Trimethylbenzene

Concen: 20.12 ug/l

RT: 10.78 min Scan# 3168

Delta R.T. 0.00 min

Lab File: VU025339.D

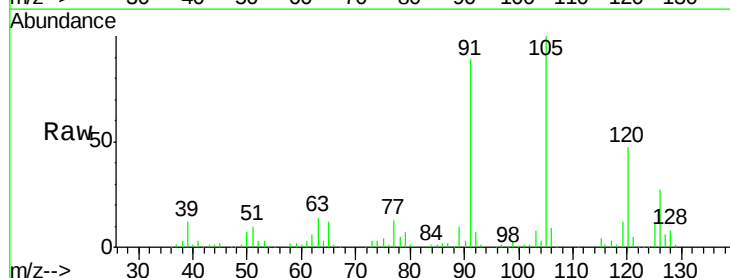
Acq: 12 Jul 2018 15:06

Tgt Ion: 105 Resp: 167287

Ion Ratio Lower Upper

105 100

120 48.3 24.1 72.2



Abundance Ion 105.00 (104.70 to 105.70): VU025274.D (-3154) (-)

Ion 120.00 (119.70 to 120.70): VU025274.D (-3154) (-)

120000

100000

80000

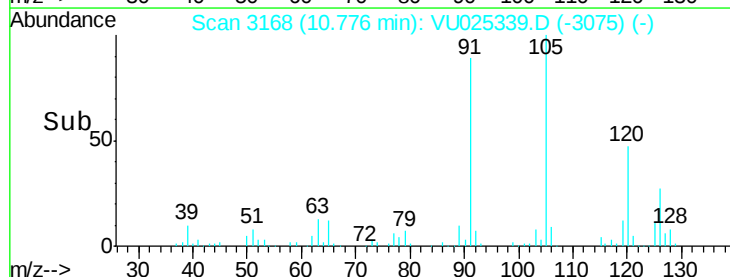
60000

40000

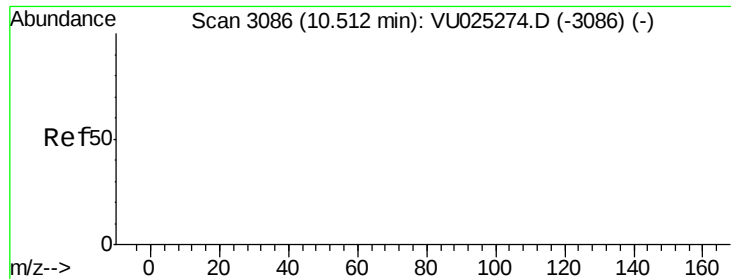
20000

0

10.70 10.75 10.80 10.85



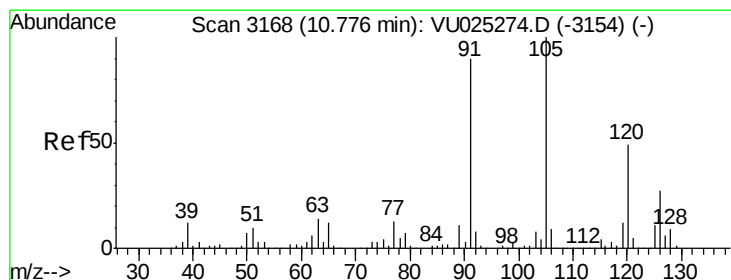
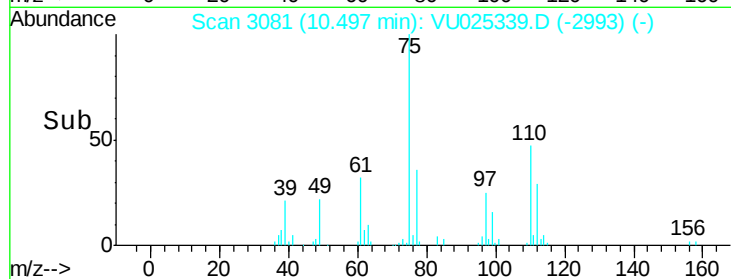
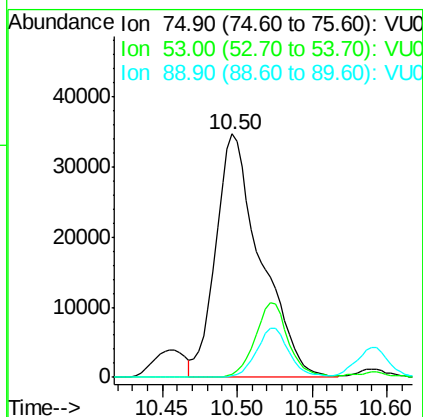
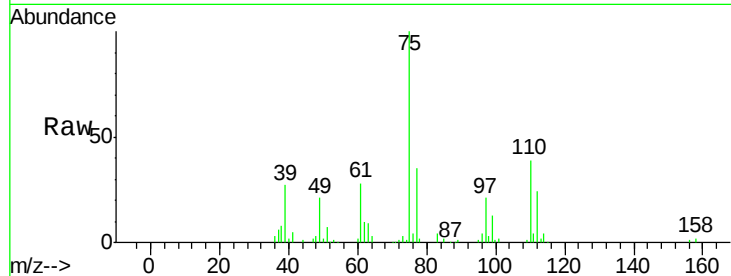
Time-->



#81
trans-1,4-Dichloro-2-butene
Concen: 70.54 ug/l
RT: 10.50 min Scan# 3081
Delta R.T. -0.02 min
Lab File: VU025339.D
Acq: 12 Jul 2018 15:06

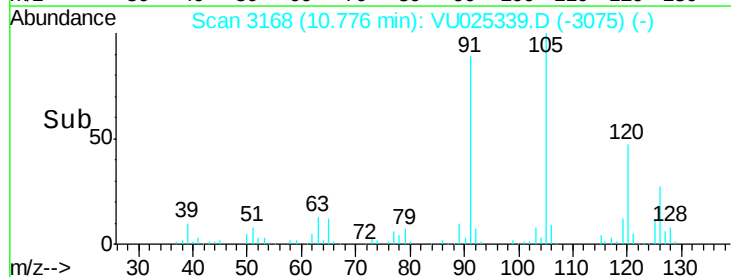
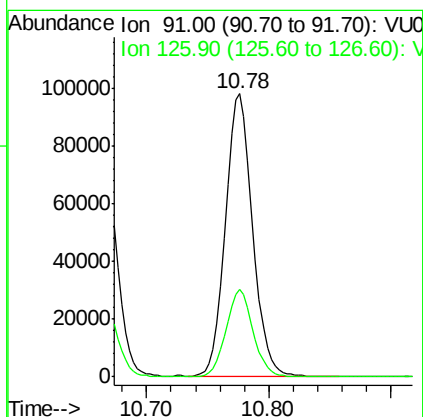
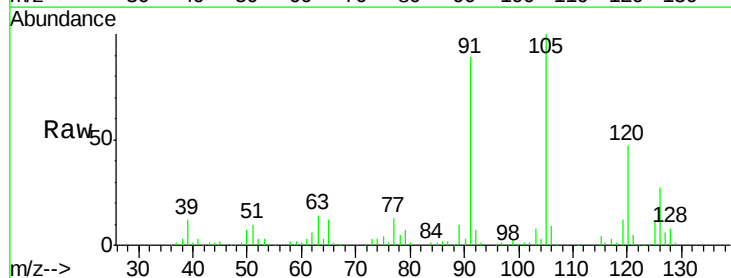
Instrument :
MSVOA_U
ClientSampleId :
VU0712WBS01

Tot Ion: 75 Resp: 72683
Ion Ratio Lower Upper
75 100
53 0.0 0.0 0.0
89 0.0 0.0 0.0



#82
4-Chlorotoluene
Concen: 19.66 ug/l
RT: 10.78 min Scan# 3168
Delta R.T. 0.00 min
Lab File: VU025339.D
Acq: 12 Jul 2018 15:06

Tgt Ion: 91 Resp: 152660
Ion Ratio Lower Upper
91 100
126 30.7 15.3 45.9

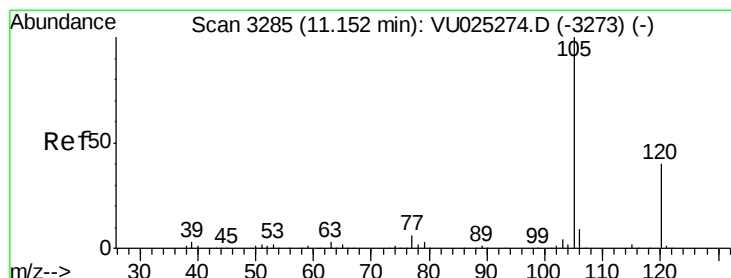
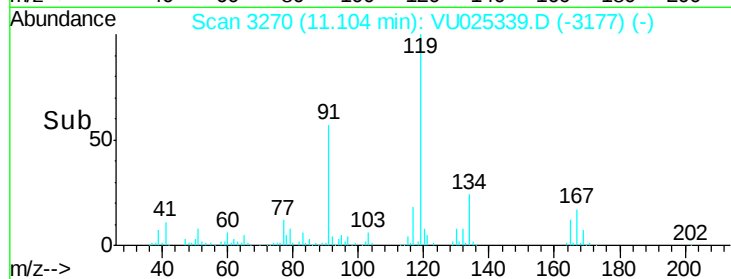
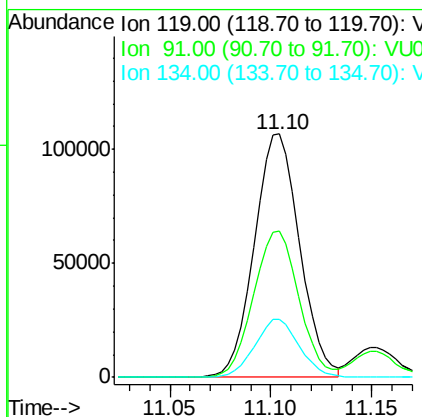
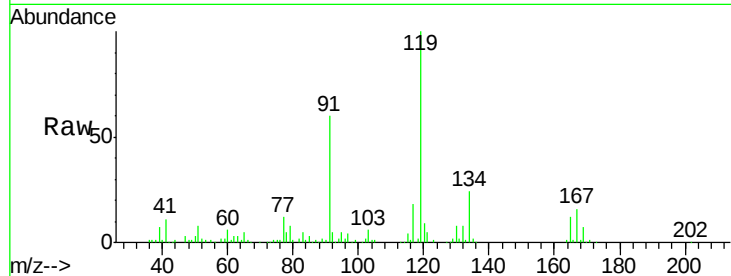




#83
 tert-Butylbenzene
 Concen: 19.93 ug/l
 RT: 11.10 min Scan# 3270
 Delta R.T. 0.00 min
 Lab File: VU025339.D
 Acq: 12 Jul 2018 15:06

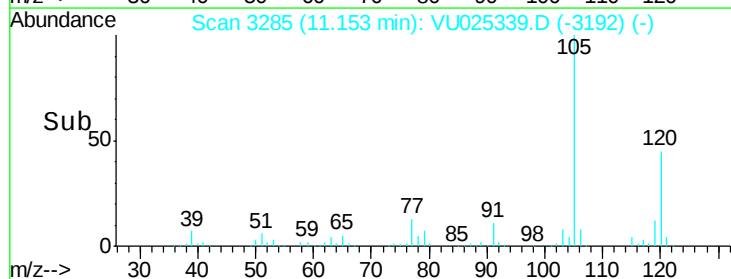
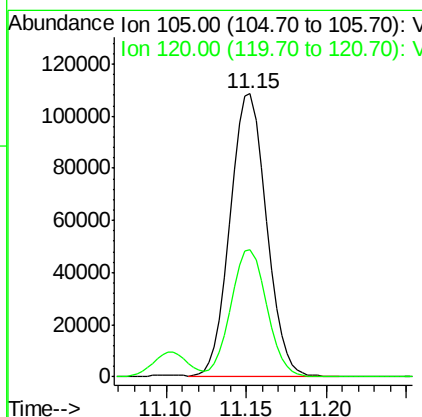
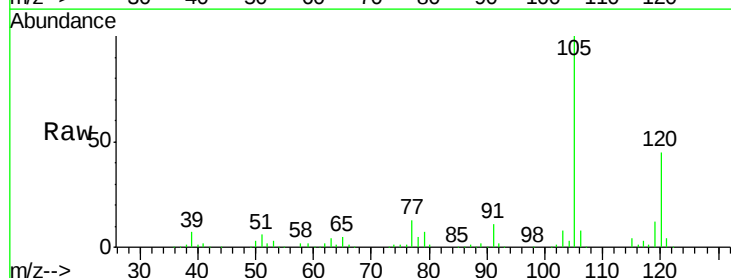
Instrument :
 MSVOA_U
 ClientSampleId :
 VU0712WBS01

Tot Ion:119	Resp:	167492
Ion Ratio	Lower	Upper
119	100	
91	60.0	29.7 89.1
134	23.4	11.5 34.5



#84
 1,2,4-Trimethylbenzene
 Concen: 19.66 ug/l
 RT: 11.15 min Scan# 3285
 Delta R.T. 0.00 min
 Lab File: VU025339.D
 Acq: 12 Jul 2018 15:06

Tgt Ion:105	Resp:	167586
Ion Ratio	Lower	Upper
105	100	
120	44.9	22.3 66.8

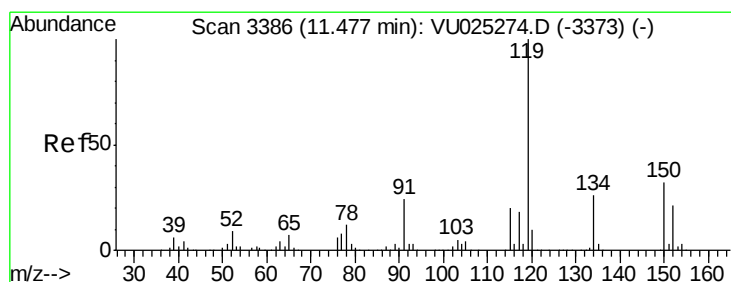
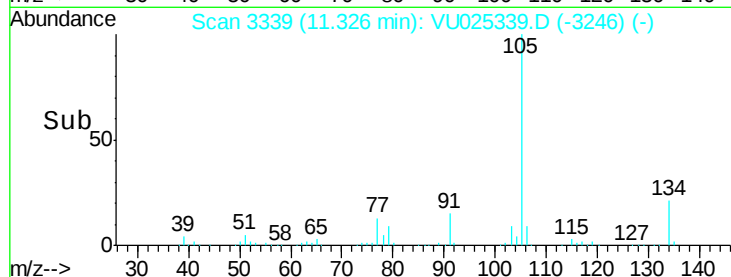
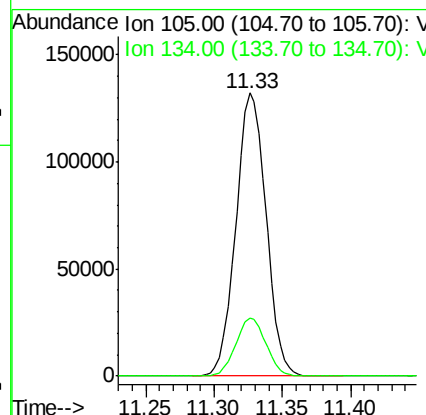
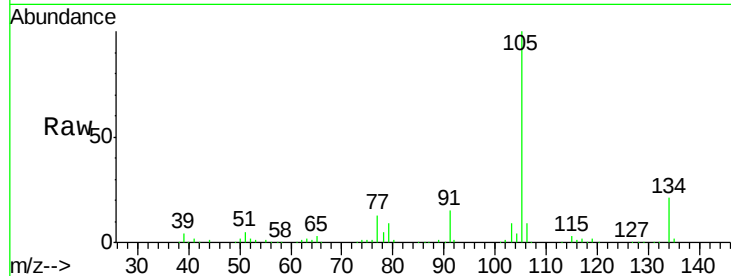




#85
 sec-Butylbenzene
 Concen: 20.51 ug/l
 RT: 11.33 min Scan# 3339
 Delta R.T. 0.00 min
 Lab File: VU025339.D
 Acq: 12 Jul 2018 15:06

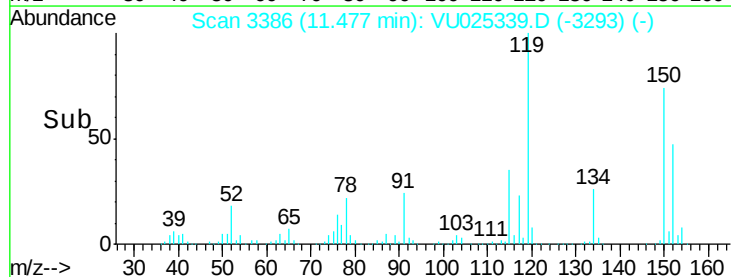
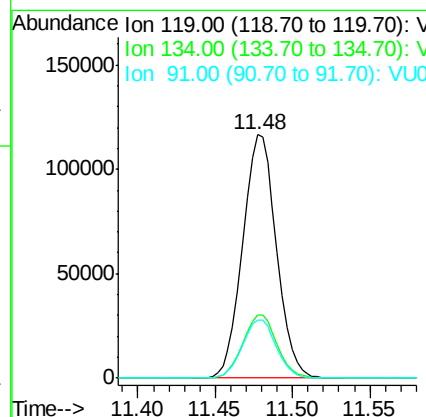
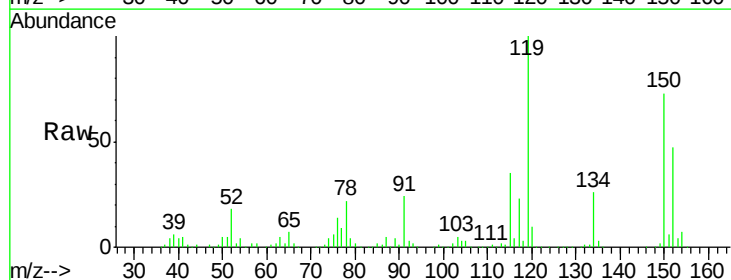
Instrument :
 MSVOA_U
 ClientSampleId :
 VU0712WBS01

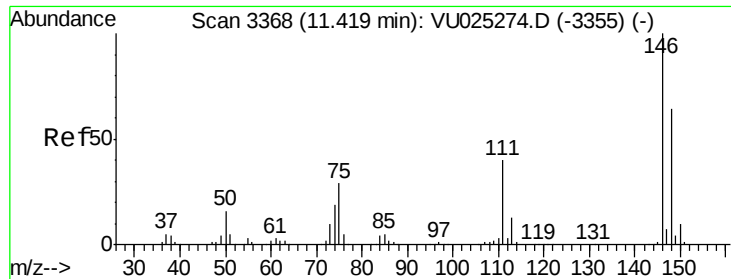
Tot Ion:105 Resp: 202959
 Ion Ratio Lower Upper
 105 100
 134 20.4 10.3 30.8



#86
 p-Isopropyltoluene
 Concen: 20.16 ug/l
 RT: 11.48 min Scan# 3386
 Delta R.T. 0.00 min
 Lab File: VU025339.D
 Acq: 12 Jul 2018 15:06

Tgt Ion:119 Resp: 176638
 Ion Ratio Lower Upper
 119 100
 134 26.2 13.2 39.5
 91 23.9 12.0 36.1

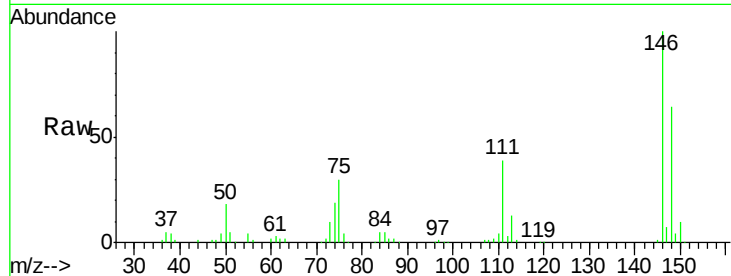




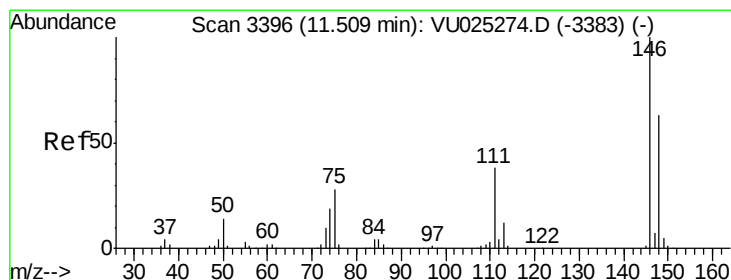
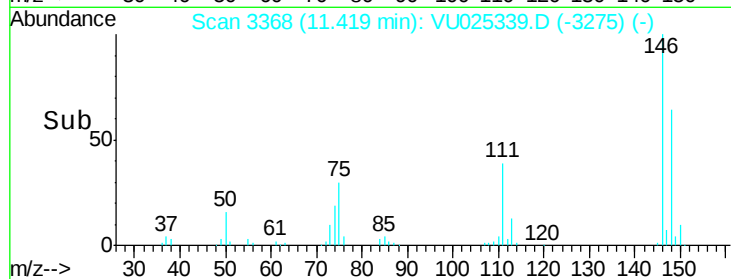
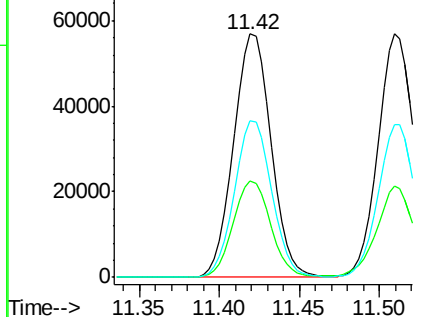
#87
 1,3-Dichlorobenzene
 Concen: 19.68 ug/l
 RT: 11.42 min Scan# 3368
 Delta R.T. 0.00 min
 Lab File: VU025339.D
 Acq: 12 Jul 2018 15:06

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0712WBS01

Tot Ion:146 Resp: 90931
 Ion Ratio Lower Upper
 146 100
 111 39.3 19.7 59.1
 148 63.8 32.1 96.3

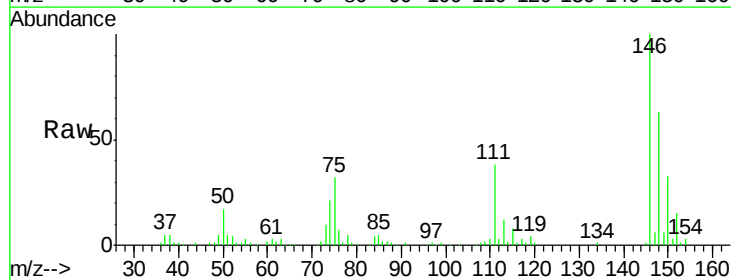


Abundance Ion 145.90 (145.60 to 146.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

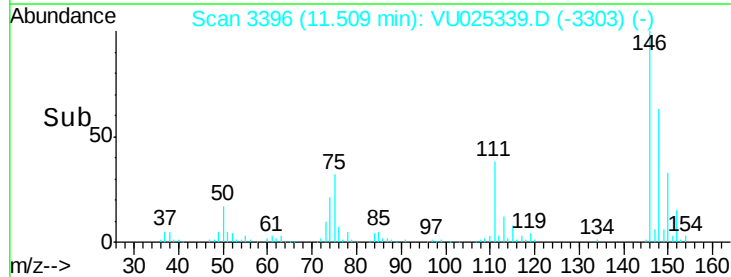
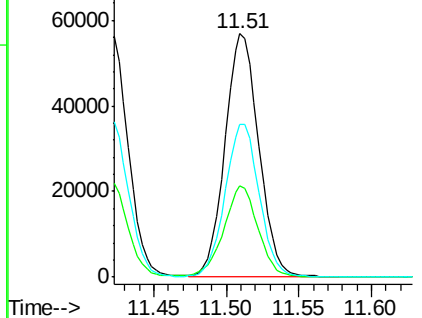


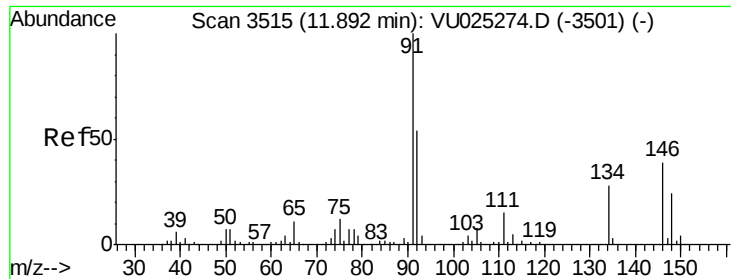
#88
 1,4-Dichlorobenzene
 Concen: 21.19 ug/l
 RT: 11.51 min Scan# 3396
 Delta R.T. 0.00 min
 Lab File: VU025339.D
 Acq: 12 Jul 2018 15:06

Tgt Ion:146 Resp: 91655
 Ion Ratio Lower Upper
 146 100
 111 38.3 19.4 58.1
 148 63.7 31.7 95.1



Abundance Ion 145.90 (145.60 to 146.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

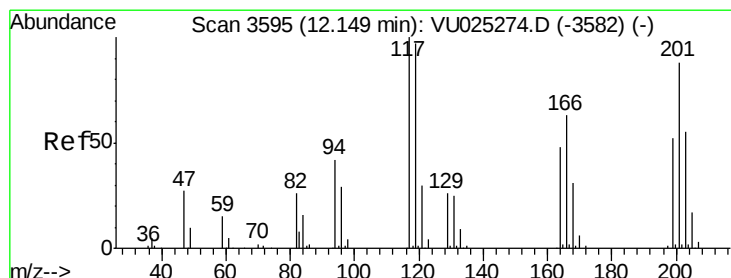
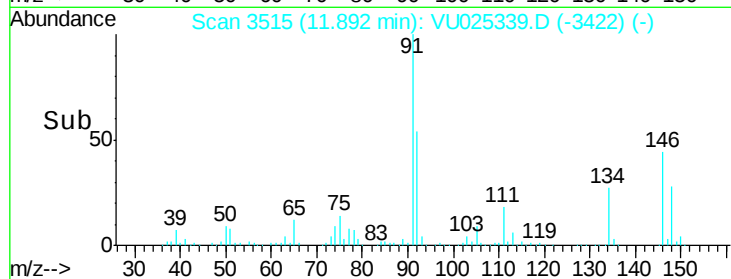
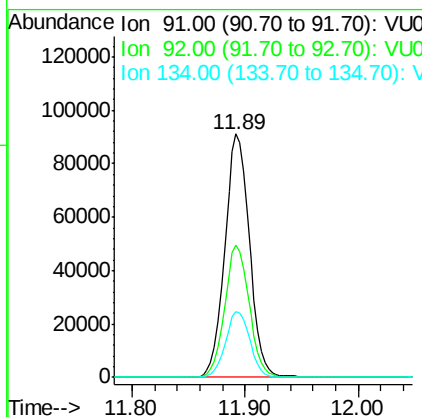
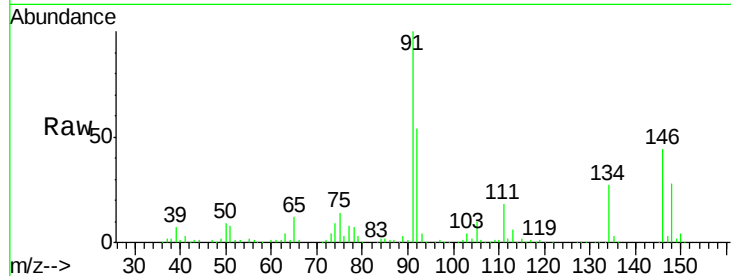




#89
n-Butylbenzene
Concen: 19.17 ug/l
RT: 11.89 min Scan# 3515
Delta R.T. 0.00 min
Lab File: VU025339.D
Acq: 12 Jul 2018 15:06

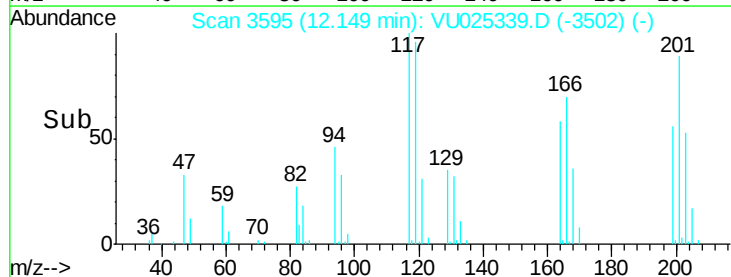
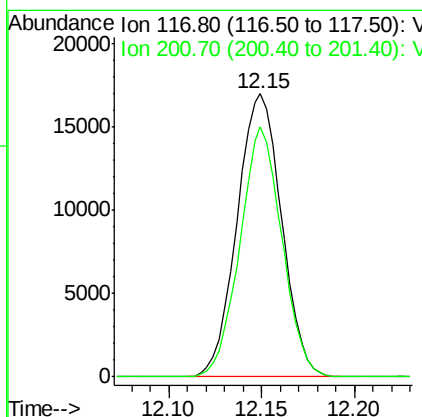
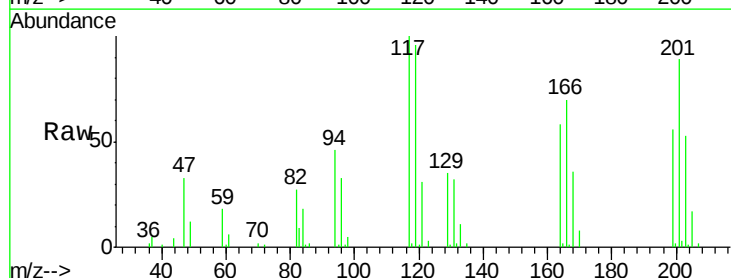
Instrument :
MSVOA_U
ClientSampleId :
VU0712WBS01

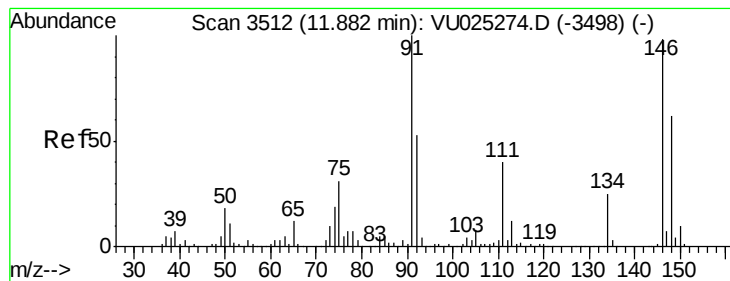
Tot Ion: 91 Resp: 138083
Ion Ratio Lower Upper
91 100
92 53.8 26.5 79.5
134 26.5 13.6 40.7



#90
Hexachloroethane
Concen: 19.09 ug/l
RT: 12.15 min Scan# 3595
Delta R.T. 0.00 min
Lab File: VU025339.D
Acq: 12 Jul 2018 15:06

Tgt Ion: 117 Resp: 28320
Ion Ratio Lower Upper
117 100
201 83.2 42.5 127.6





#91

1,2-Dichlorobenzene

Concen: 19.99 ug/l

RT: 11.88 min Scan# 3512

Delta R.T. 0.00 min

Lab File: VU025339.D

Acq: 12 Jul 2018 15:06

Instrument :

MSVOA_U

ClientSampleId :

VU0712WBS01

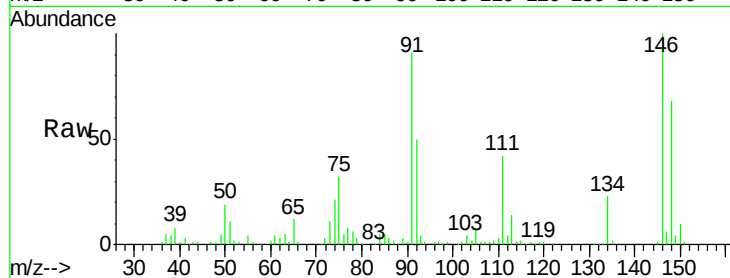
Tot Ion:146 Resp: 93277

Ion Ratio Lower Upper

146 100

111 41.3 20.6 61.8

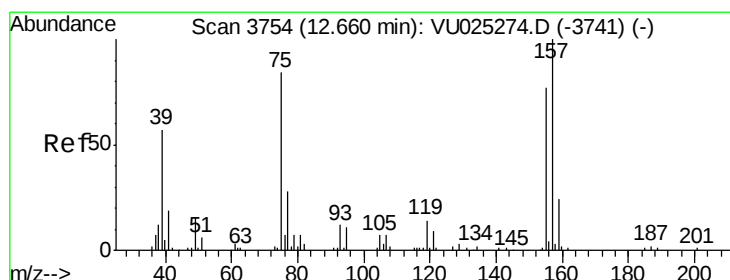
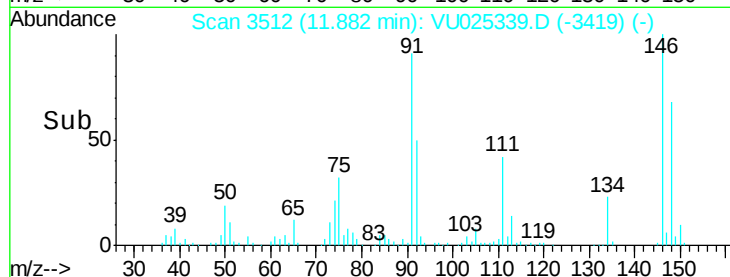
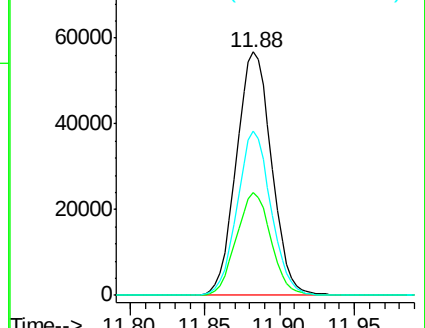
148 64.8 31.5 94.5



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 19.96 ug/l

RT: 12.66 min Scan# 3754

Delta R.T. 0.00 min

Lab File: VU025339.D

Acq: 12 Jul 2018 15:06

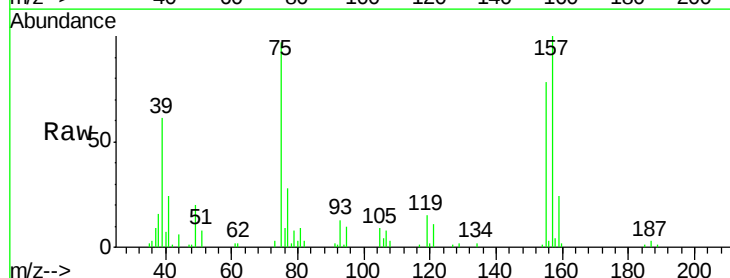
Tgt Ion: 75 Resp: 15651

Ion Ratio Lower Upper

75 100

155 80.4 44.5 133.3

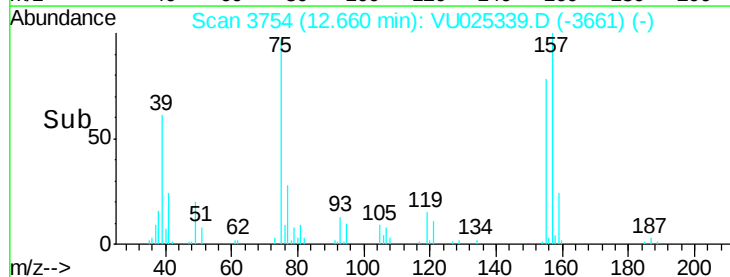
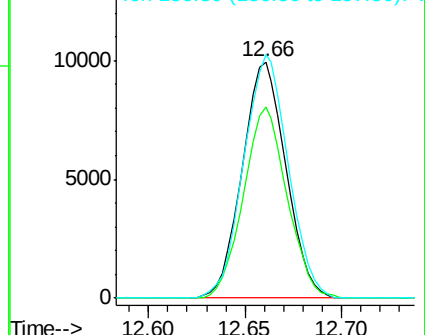
157 104.9 57.0 170.8

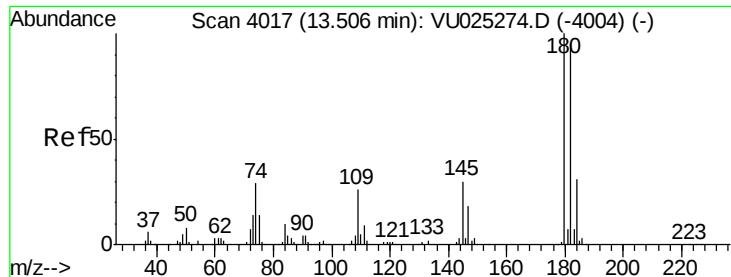


Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

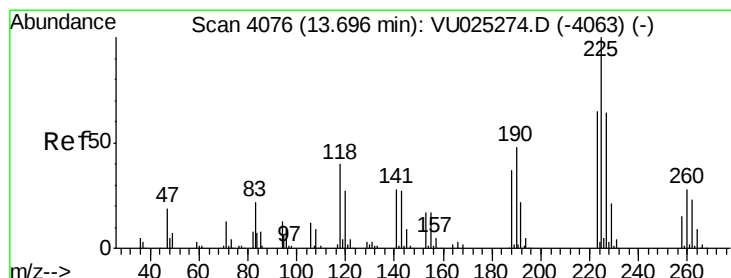
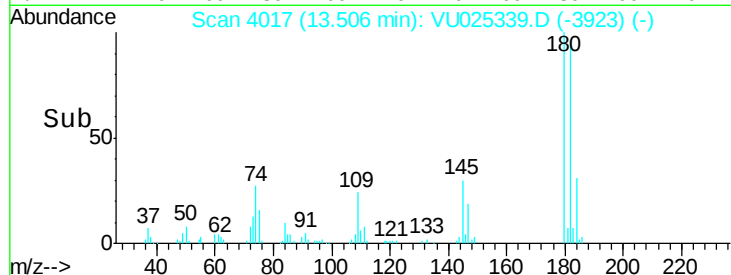
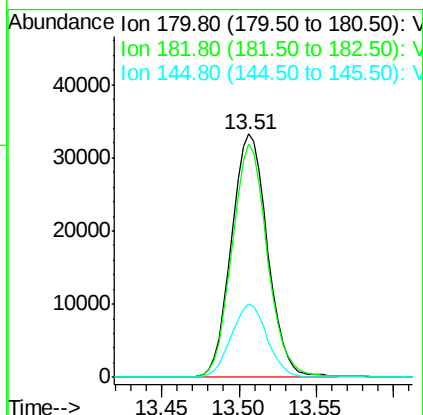
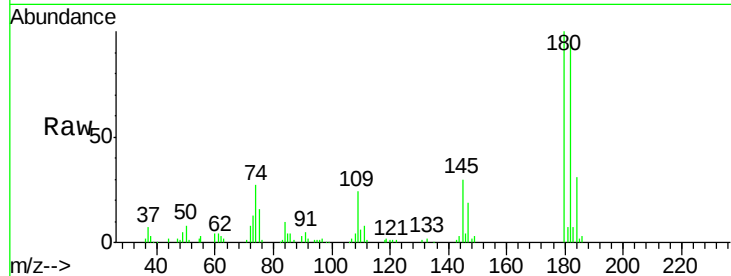




#93
 1,2,4-Trichlorobenzene
 Concen: 19.39 ug/l
 RT: 13.51 min Scan# 4017
 Delta R.T. 0.00 min
 Lab File: VU025339.D
 Acq: 12 Jul 2018 15:06

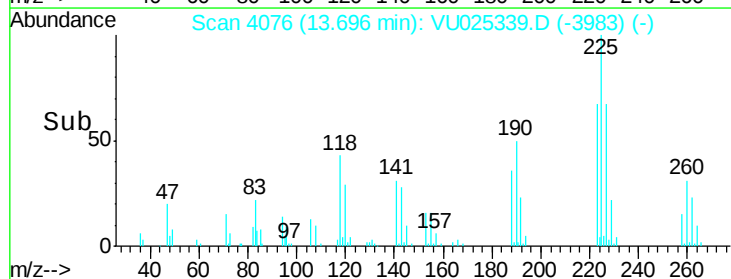
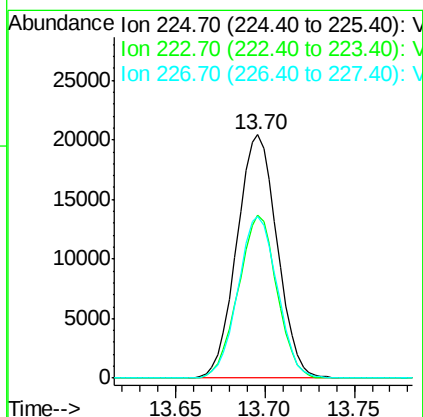
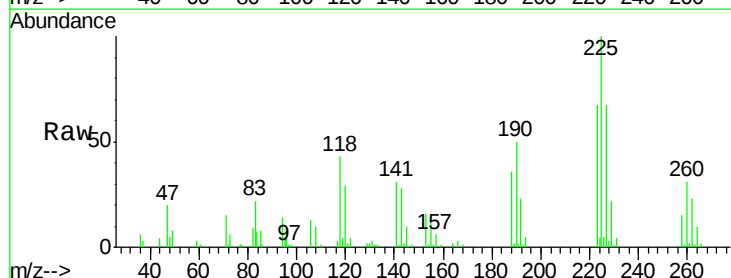
Instrument :
 MSVOA_U
 ClientSampleId :
 VU0712WBS01

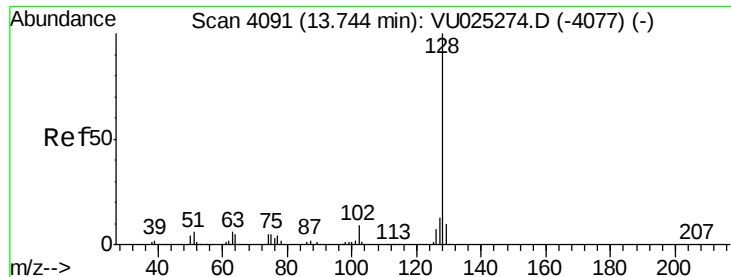
Tot Ion:180 Resp: 53875
 Ion Ratio Lower Upper
 180 100
 182 94.1 47.3 141.9
 145 29.9 14.9 44.7



#94
 Hexachlorobutadiene
 Concen: 19.34 ug/l
 RT: 13.70 min Scan# 4076
 Delta R.T. 0.00 min
 Lab File: VU025339.D
 Acq: 12 Jul 2018 15:06

Tgt Ion:225 Resp: 32282
 Ion Ratio Lower Upper
 225 100
 223 64.0 31.9 95.7
 227 64.9 32.3 96.9

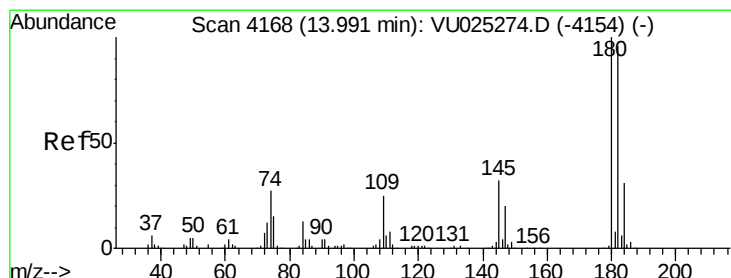
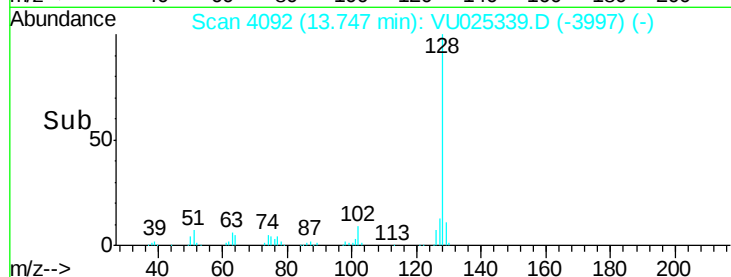
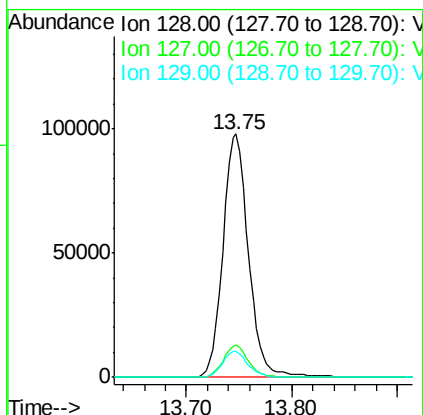
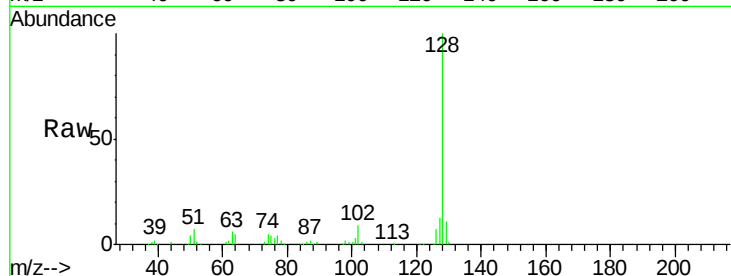




#95
Naphthalene
Concen: 18.79 ug/l
RT: 13.75 min Scan# 4092
Delta R.T. 0.00 min
Lab File: VU025339.D
Acq: 12 Jul 2018 15:06

Instrument :
MSVOA_U
ClientSampleId :
VU0712WBS01

Tot Ion:128 Resp: 163400
Ion Ratio Lower Upper
128 100
127 12.9 10.5 15.7
129 10.4 8.3 12.5



#96
1,2,3-Trichlorobenzene
Concen: 19.56 ug/l
RT: 13.99 min Scan# 4168
Delta R.T. 0.00 min
Lab File: VU025339.D
Acq: 12 Jul 2018 15:06

Tgt Ion:180 Resp: 56911
Ion Ratio Lower Upper
180 100
182 99.3 47.8 143.3
145 33.1 15.6 46.8

