

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU071218\
 Data File : VU025362.D
 Acq On : 13 Jul 2018 01:13
 Operator : MD/SY
 Sample : VU0712WBSD02
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0712WBSD03

Quant Time: Jul 13 04:35:44 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	164974	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	251617	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	232012	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.49	152	131390	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.31	65	123044	48.01	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.02%	
35) Dibromofluoromethane	4.89	113	101499	47.82	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.64%	
50) Toluene-d8	7.57	98	326235	44.88	ug/l	0.00
Spiked Amount	50.000		Recovery	=	89.76%	
62) 4-Bromofluorobenzene	10.31	95	131147	44.82	ug/l	0.00
Spiked Amount	50.000		Recovery	=	89.64%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	31431	18.41	ug/l	100
3) Chloromethane	1.33	50	32205	19.28	ug/l	100
4) Vinyl Chloride	1.40	62	34429	18.35	ug/l	97
5) Bromomethane	1.62	94	22606	20.44	ug/l	96
6) Chloroethane	1.70	64	23866	20.18	ug/l	96
7) Trichlorofluoromethane	1.89	101	58204	19.74	ug/l	99
8) Diethyl Ether	2.10	74	22541	20.37	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	2.29	101	36602	20.03	ug/l	99
10) Methyl Iodide	2.41	142	40339	24.39	ug/l	99
11) Tert butyl alcohol	2.82	59	62311	111.44	ug/l	99
12) 1,1-Dichloroethene	2.28	96	31646	18.92	ug/l	97
13) Acrolein	2.19	56	17503	47.32	ug/l	96
14) Allyl chloride	2.59	41	52945	17.46	ug/l	97
15) Acrylonitrile	2.94	53	120962	105.22	ug/l	99
16) Acetone	2.32	43	115959	91.80	ug/l	99
17) Carbon Disulfide	2.48	76	77964	17.27	ug/l	99
18) Methyl Acetate	2.62	43	61320	23.37	ug/l	99
19) Methyl tert-butyl Ether	3.00	73	134114	21.08	ug/l	99
20) Methylene Chloride	2.70	84	41648	21.41	ug/l	96
21) trans-1,2-Dichloroethene	2.99	96	35625	18.64	ug/l	98
22) Diisopropyl ether	3.57	45	130882	21.13	ug/l	99
23) Vinyl Acetate	3.53	43	553037	101.79	ug/l	100
24) 1,1-Dichloroethane	3.45	63	73672	21.09	ug/l	99
25) 2-Butanone	4.26	43	173948	97.91	ug/l	98
26) 2,2-Dichloropropane	4.23	77	51368	15.29	ug/l	98
27) cis-1,2-Dichloroethene	4.23	96	43611	19.72	ug/l	100
28) Bromochloromethane	4.55	49	35999	21.34	ug/l	99
29) Tetrahydrofuran	4.64	42	109983	103.21	ug/l	98
30) Chloroform	4.68	83	79523	21.50	ug/l	98
31) Cyclohexane	5.00	56	61623	19.50	ug/l	99
32) 1,1,1-Trichloroethane	4.92	97	69250	20.66	ug/l	99
36) 1,1-Dichloropropene	5.14	75	53243	19.03	ug/l	99
37) Ethyl Acetate	4.38	43	62769	20.12	ug/l	98
38) Carbon Tetrachloride	5.14	117	59442	19.74	ug/l	97

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU071218\
 Data File : VU025362.D
 Acq On : 13 Jul 2018 01:13
 Operator : MD/SY
 Sample : VU0712WBSD02
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0712WBSD03

Quant Time: Jul 13 04:35:44 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	60871	17.45	ug/l	96
40) Benzene	5.39	78	157145	19.49	ug/l	99
41) Methacrylonitrile	4.55	41	36544	21.13	ug/l	98
42) 1,2-Dichloroethane	5.41	62	66437	20.73	ug/l	100
43) Isopropyl Acetate	5.55	43	104155	20.85	ug/l	100
44) Trichloroethene	6.19	130	43210	18.67	ug/l	100
45) 1,2-Dichloropropane	6.44	63	43616	20.66	ug/l	98
46) Dibromomethane	6.56	93	31479	20.49	ug/l	96
47) Bromodichloromethane	6.76	83	58284	20.42	ug/l	97
48) Methyl methacrylate	6.63	41	51542	20.70	ug/l	99
49) 1,4-Dioxane	6.62	88	25152	419.71	ug/l	97
51) 4-Methyl-2-Pentanone	7.46	43	332780	102.49	ug/l	100
52) Toluene	7.64	92	100091	19.52	ug/l	99
53) t-1,3-Dichloropropene	7.88	75	58468	18.64	ug/l	99
54) cis-1,3-Dichloropropene	7.27	75	62845	18.83	ug/l	98
55) 1,1,2-Trichloroethane	8.07	97	43622	20.42	ug/l	97
56) Ethyl methacrylate	8.02	69	66619	19.97	ug/l	98
57) 1,3-Dichloropropane	8.25	76	73239	20.65	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.13	63	123758	83.23	ug/l	99
59) 2-Hexanone	8.36	43	259960	98.70	ug/l	100
60) Dibromochloromethane	8.48	129	44917	19.47	ug/l	98
61) 1,2-Dibromoethane	8.59	107	46077	20.16	ug/l	99
64) Tetrachloroethene	8.23	164	42287	19.99	ug/l	98
65) Chlorobenzene	9.12	112	115156	19.87	ug/l	98
66) 1,1,1,2-Tetrachloroethane	9.21	131	43652	21.05	ug/l	100
67) Ethyl Benzene	9.25	91	196246	19.86	ug/l	98
68) m/p-Xylenes	9.38	106	153055	40.07	ug/l	99
69) o-Xylene	9.78	106	76851	20.09	ug/l	97
70) Styrene	9.80	104	122512	20.17	ug/l	99
71) Bromoform	9.96	173	34362	20.16	ug/l #	99
73) Isopropylbenzene	10.17	105	206867	20.61	ug/l	99
74) N-amyl acetate	10.01	43	86203	21.71	ug/l	99
75) 1,1,2,2-Tetrachloroethane	10.46	83	69481	21.16	ug/l	98
76) 1,2,3-Trichloropropane	10.50	75	78447	29.29	ug/l	84
77) Bromobenzene	10.45	156	52774	20.55	ug/l	98
78) n-propylbenzene	10.59	91	224188	20.12	ug/l	100
79) 2-Chlorotoluene	10.66	91	139421	21.88	ug/l	99
80) 1,3,5-Trimethylbenzene	10.77	105	174069	20.61	ug/l	99
81) trans-1,4-Dichloro-2-buten	10.50	75	78447	74.94	ug/l #	100
82) 4-Chlorotoluene	10.78	91	156650	19.86	ug/l	99
83) tert-Butylbenzene	11.10	119	174284	20.42	ug/l	99
84) 1,2,4-Trimethylbenzene	11.15	105	175245	20.24	ug/l	99
85) sec-Butylbenzene	11.33	105	205347	20.43	ug/l	99
86) p-Isopropyltoluene	11.48	119	178111	20.01	ug/l	99
87) 1,3-Dichlorobenzene	11.42	146	92170	19.64	ug/l	99
88) 1,4-Dichlorobenzene	11.51	146	92990	21.17	ug/l	99
89) n-Butylbenzene	11.89	91	135832	18.57	ug/l	98
90) Hexachloroethane	12.15	117	29387	19.50	ug/l	99
91) 1,2-Dichlorobenzene	11.88	146	96377	20.33	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	12.66	75	16090	20.20	ug/l	96

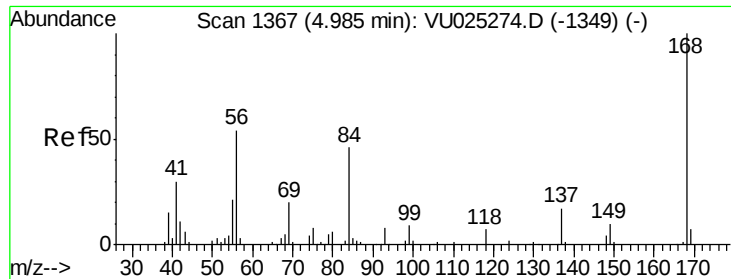
Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU071218\
Data File : VU025362.D
Acq On : 13 Jul 2018 01:13
Operator : MD/SY
Sample : VU0712WBSD02
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 34 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VU0712WBSD03

Quant Time: Jul 13 04:35:44 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	54581	19.35	ug/l	98
94) Hexachlorobutadiene	13.70	225	31734	18.72	ug/l	98
95) Naphthalene	13.74	128	185214	20.69	ug/l	100
96) 1,2,3-Trichlorobenzene	13.99	180	59895	20.17	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 4.99 min Scan# 1368

Delta R.T. 0.00 min

Lab File: VU025362.D

Acq: 13 Jul 2018 01:13

Instrument :

MSVOA_U

ClientSampleId :

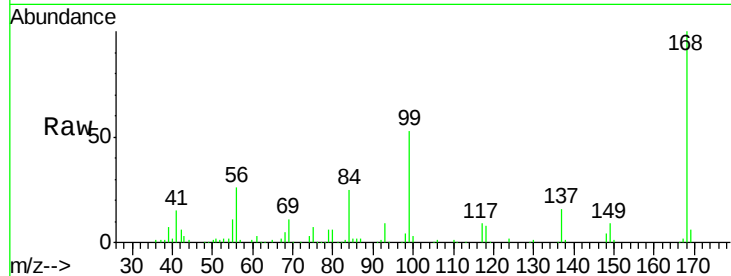
VU0712WBSD03

Tot Ion:168 Resp: 164974

Ion Ratio Lower Upper

168 100

99 52.9 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

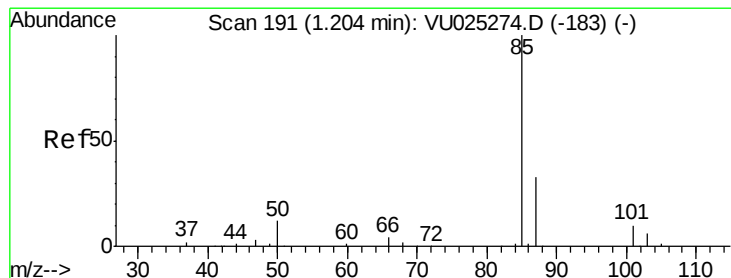
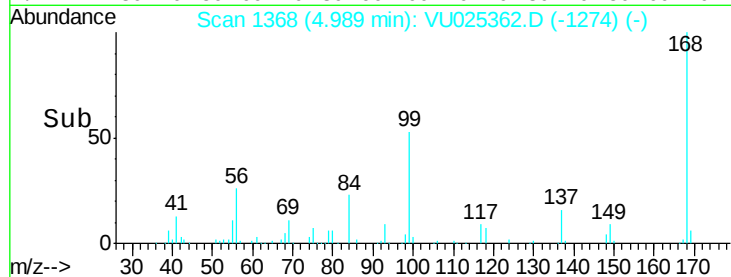
40000

20000

0

4.90 4.95 5.00 5.05 5.10

Time-->



#2

Dichlorodifluoromethane

Concen: 18.41 ug/l

RT: 1.20 min Scan# 191

Delta R.T. 0.00 min

Lab File: VU025362.D

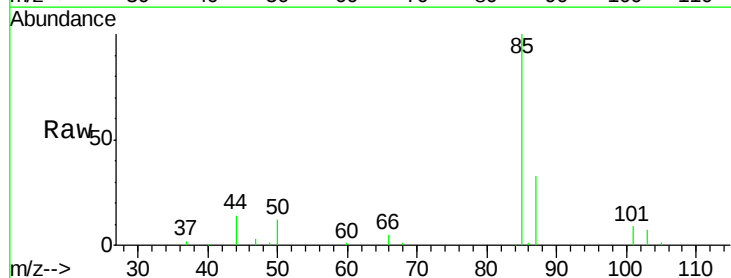
Acq: 13 Jul 2018 01:13

Tgt Ion: 85 Resp: 31431

Ion Ratio Lower Upper

85 100

87 33.1 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) (-)

1.20

30000

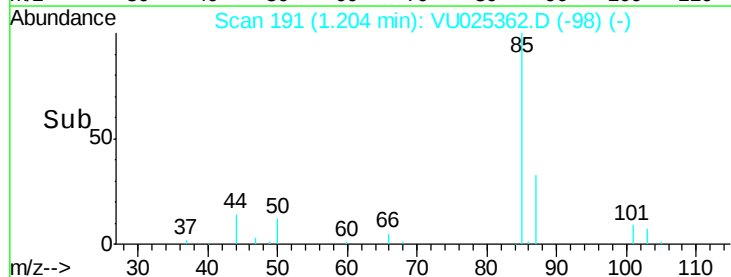
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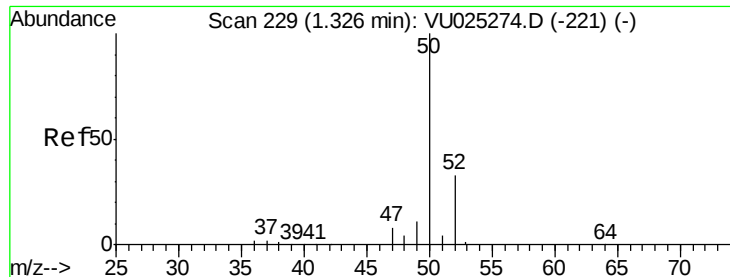
10000

0

1.15 1.20 1.25

Time-->





#3

Chloromethane

Concen: 19.28 ug/l

RT: 1.33 min Scan# 229

Delta R.T. 0.00 min

Lab File: VU025362.D

Acq: 13 Jul 2018 01:13

Instrument :

MSVOA_U

ClientSampleId :

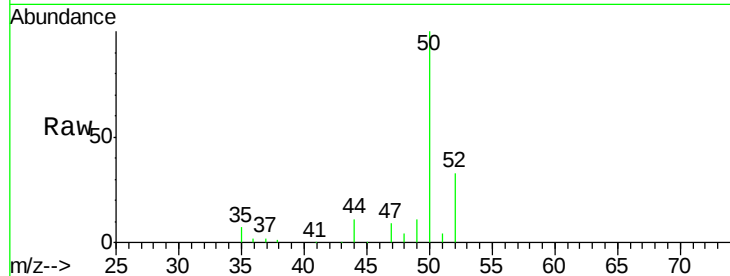
VU0712WBSD03

Tot Ion: 50 Resp: 32205

Ion Ratio Lower Upper

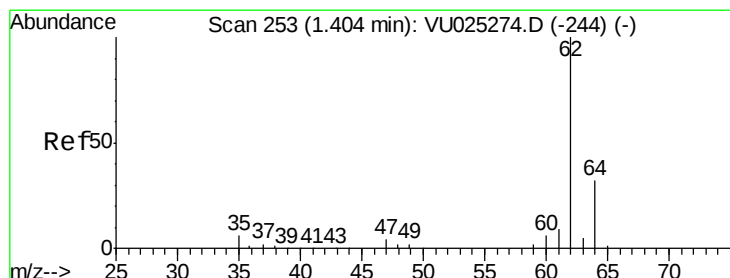
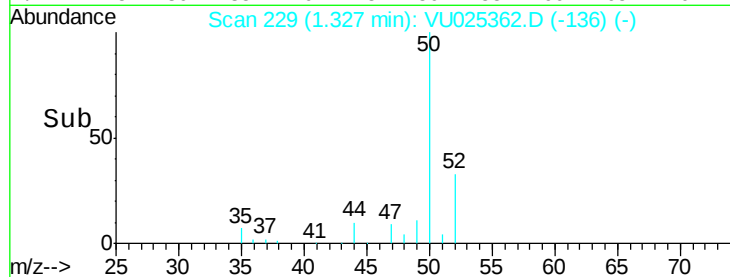
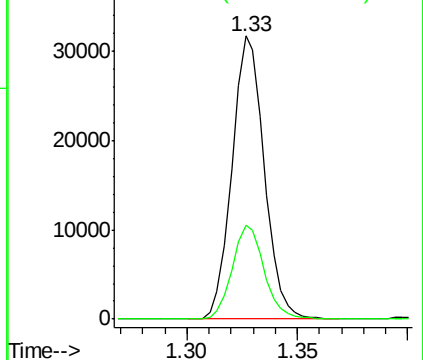
50 100

52 33.0 26.5 39.7



Abundance Ion 49.90 (49.60 to 50.60): VU0

Ion 51.90 (51.60 to 52.60): VU0



#4

Vinyl Chloride

Concen: 18.35 ug/l

RT: 1.40 min Scan# 253

Delta R.T. 0.00 min

Lab File: VU025362.D

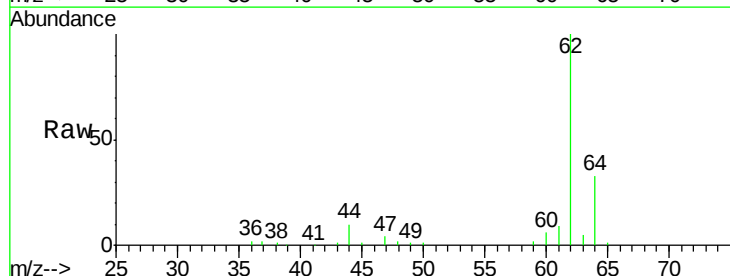
Acq: 13 Jul 2018 01:13

Tgt Ion: 62 Resp: 34429

Ion Ratio Lower Upper

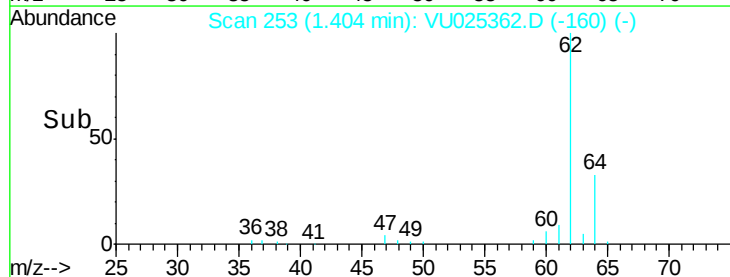
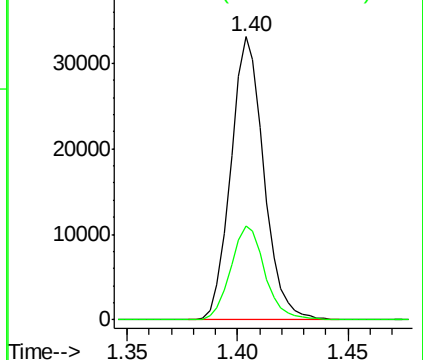
62 100

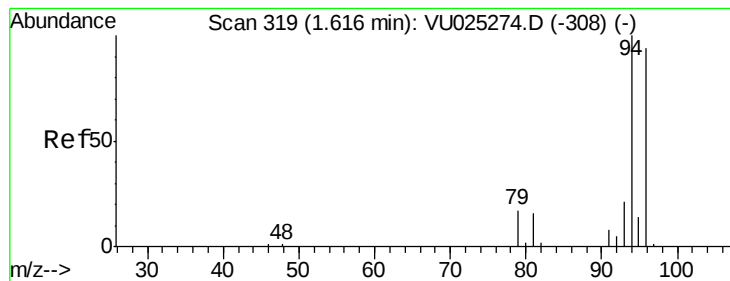
64 33.1 25.4 38.0



Abundance Ion 61.90 (61.60 to 62.60): VU0

Ion 63.90 (63.60 to 64.60): VU0





#5

Bromomethane

Concen: 20.44 ug/l

RT: 1.62 min Scan# 321

Delta R.T. 0.01 min

Lab File: VU025362.D

Acq: 13 Jul 2018 01:13

Instrument :

MSVOA_U

ClientSampleId :

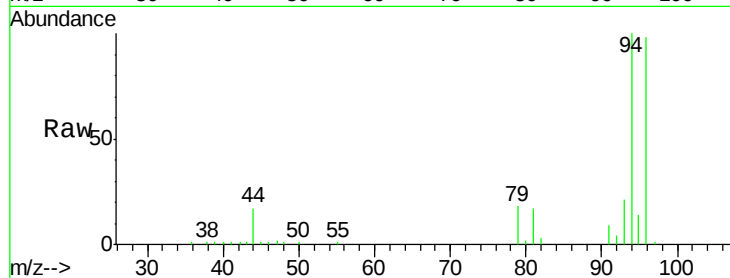
VU0712WBSD03

Tot Ion: 94 Resp: 22606

Ion Ratio Lower Upper

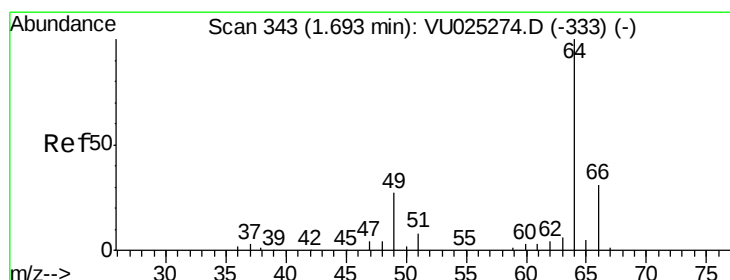
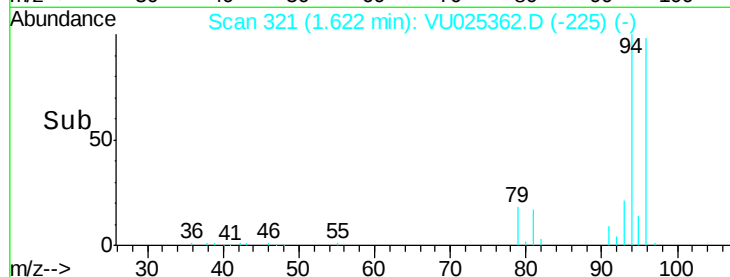
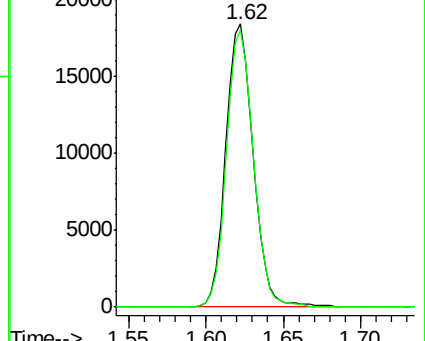
94 100

96 98.0 75.0 112.4



Abundance Ion 93.90 (93.60 to 94.60): VU0

Ion 95.90 (95.60 to 96.60): VU0



#6

Chloroethane

Concen: 20.18 ug/l

RT: 1.70 min Scan# 344

Delta R.T. 0.00 min

Lab File: VU025362.D

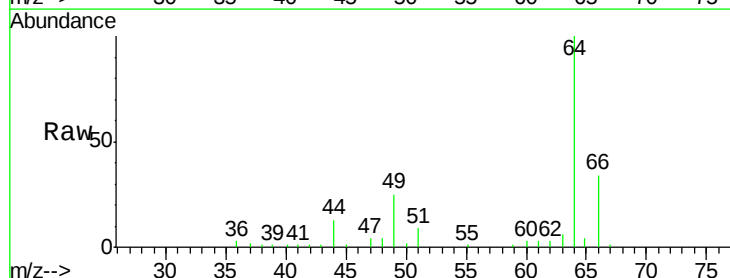
Acq: 13 Jul 2018 01:13

Tgt Ion: 64 Resp: 23866

Ion Ratio Lower Upper

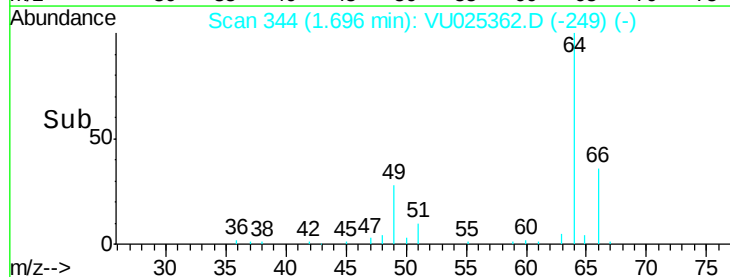
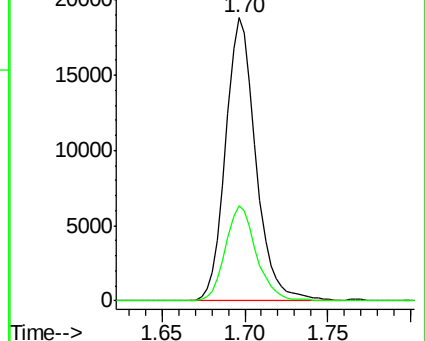
64 100

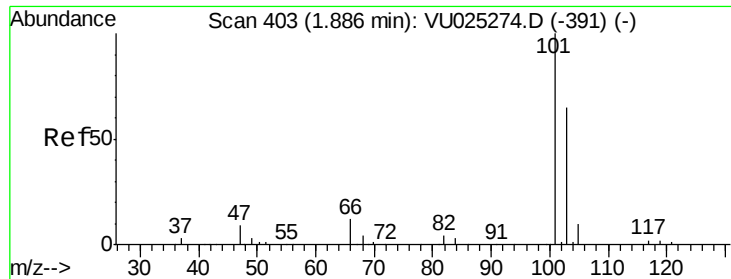
66 33.6 25.0 37.4



Abundance Ion 63.90 (63.60 to 64.60): VU0

Ion 65.90 (65.60 to 66.60): VU0



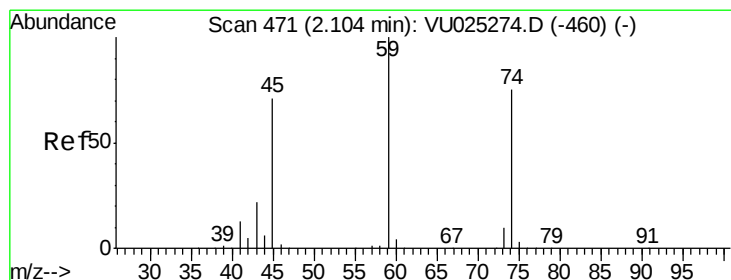
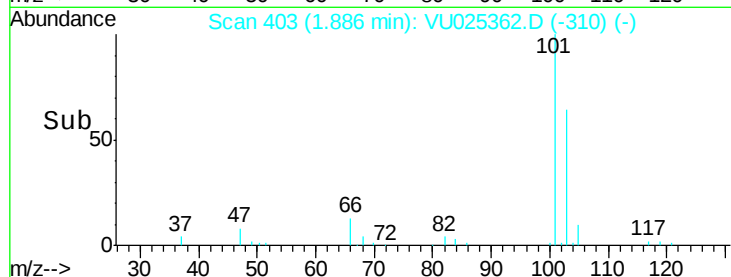
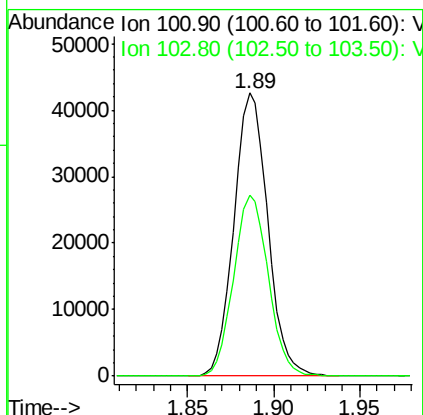
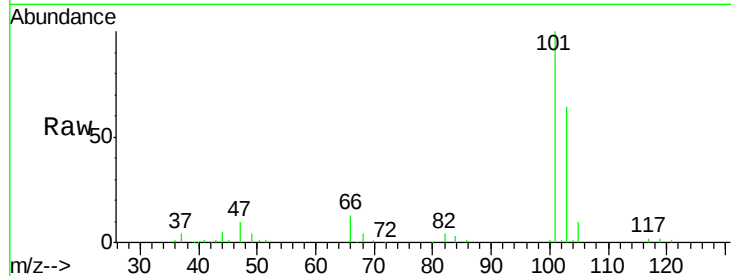


#7

Trichlorofluoromethane
 Concen: 19.74 ug/l
 RT: 1.89 min Scan# 403
 Delta R.T. 0.00 min
 Lab File: VU025362.D
 Acq: 13 Jul 2018 01:13

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0712WBSD03

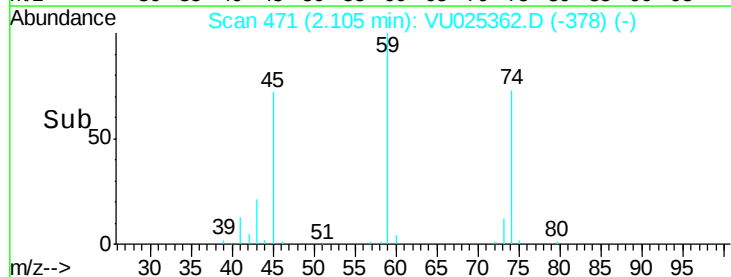
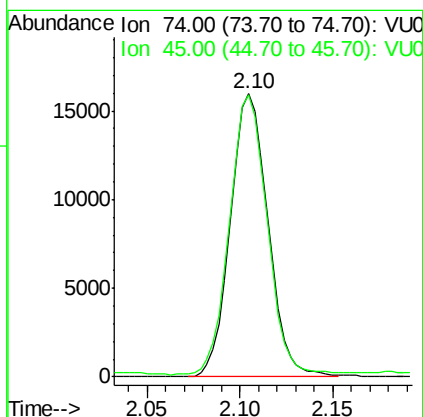
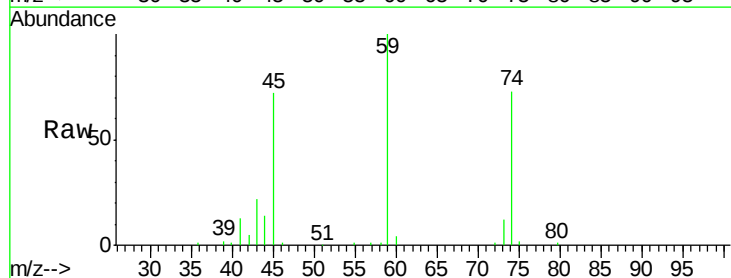
Tot Ion:101 Resp: 58204
 Ion Ratio Lower Upper
 101 100
 103 64.0 52.2 78.2

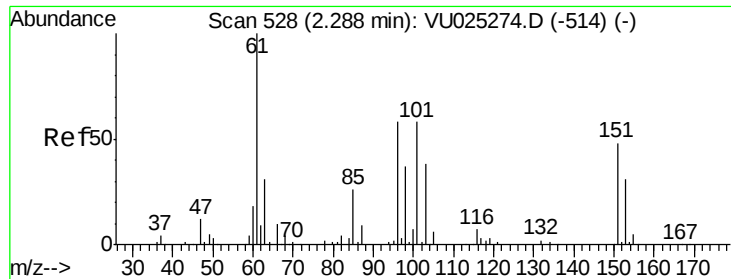


#8

Diethyl Ether
 Concen: 20.37 ug/l
 RT: 2.10 min Scan# 471
 Delta R.T. 0.00 min
 Lab File: VU025362.D
 Acq: 13 Jul 2018 01:13

Tgt Ion: 74 Resp: 22541
 Ion Ratio Lower Upper
 74 100
 45 98.2 48.3 144.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.03 ug/l

RT: 2.29 min Scan# 528

Delta R.T. 0.00 min

Lab File: VU025362.D

Acq: 13 Jul 2018 01:13

Instrument :

MSVOA_U

ClientSampleId :

VU0712WBSD03

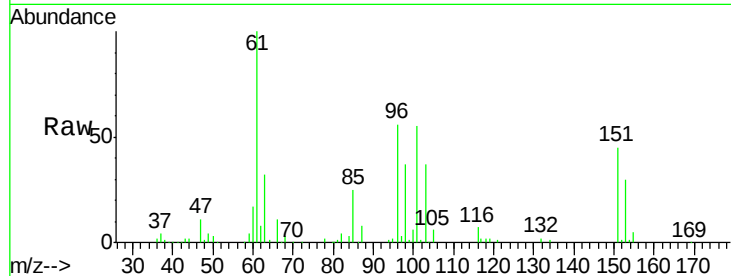
Tot Ion:101 Resp: 36602

Ion Ratio Lower Upper

101 100

85 44.3 36.0 54.0

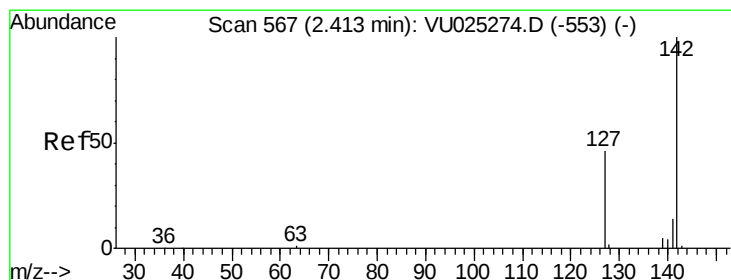
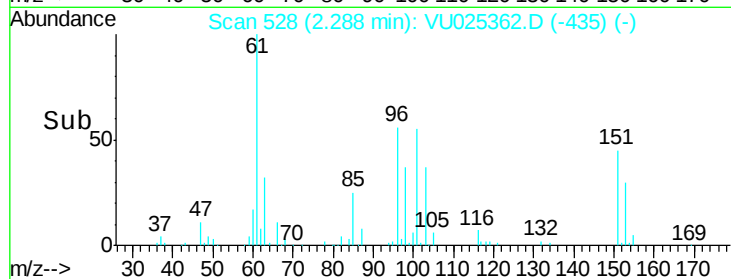
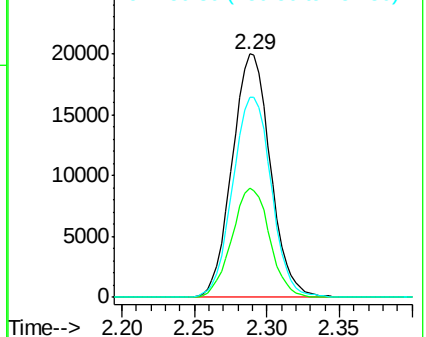
151 83.2 65.6 98.4



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: 24.39 ug/l

RT: 2.41 min Scan# 567

Delta R.T. 0.00 min

Lab File: VU025362.D

Acq: 13 Jul 2018 01:13

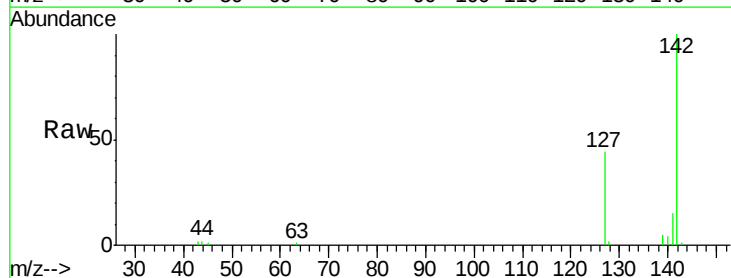
Tgt Ion:142 Resp: 40339

Ion Ratio Lower Upper

142 100

127 46.7 36.5 54.7

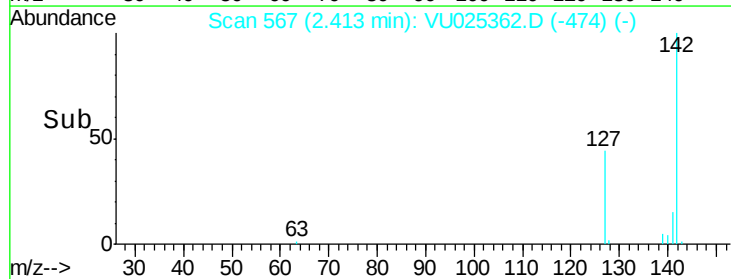
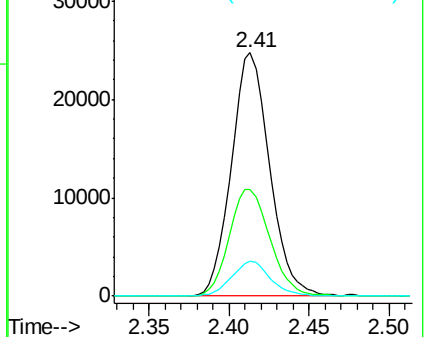
141 14.4 11.4 17.2

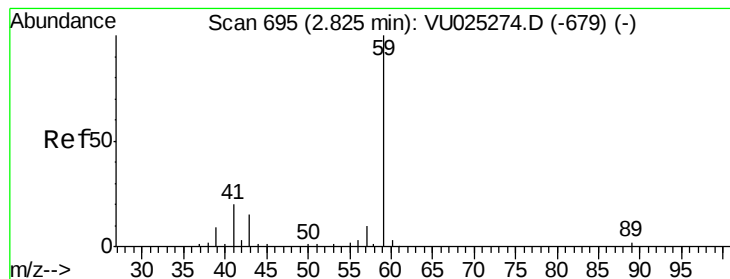


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



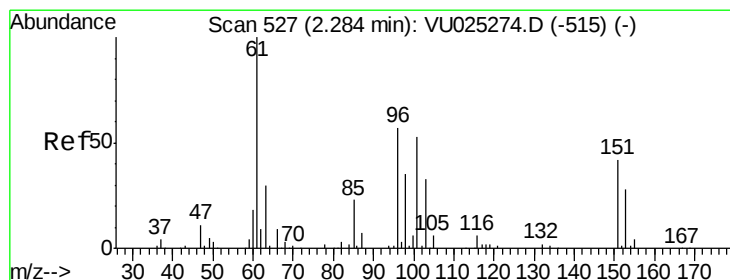
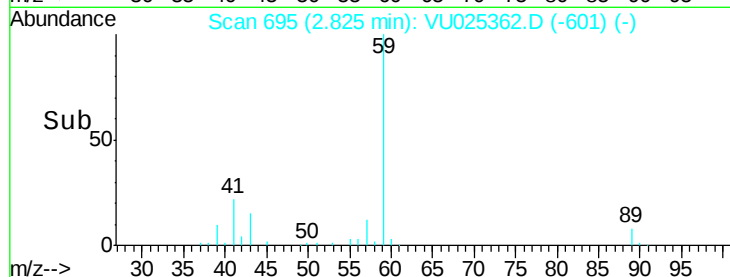
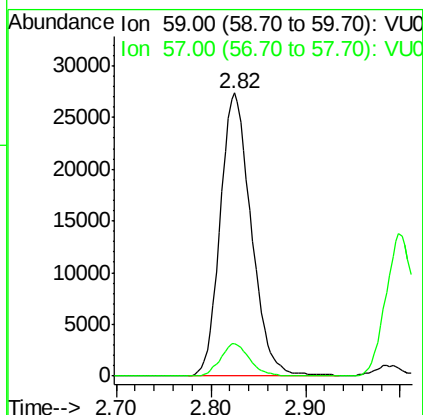
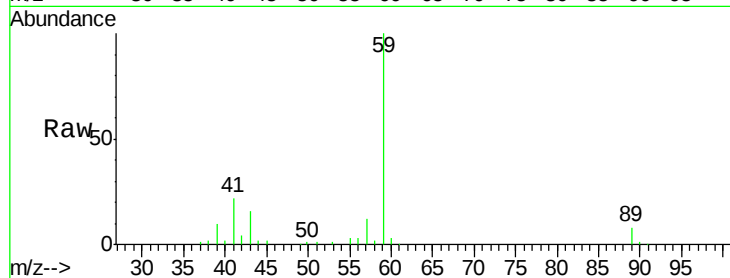


#11

Tert butyl alcohol
 Concen: 111.44 ug/l
 RT: 2.82 min Scan# 695
 Delta R.T. 0.00 min
 Lab File: VU025362.D
 Acq: 13 Jul 2018 01:13

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0712WBSD03

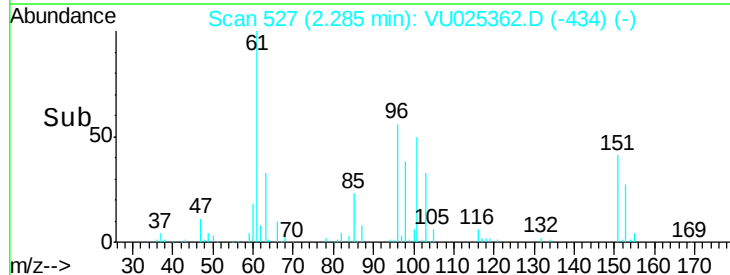
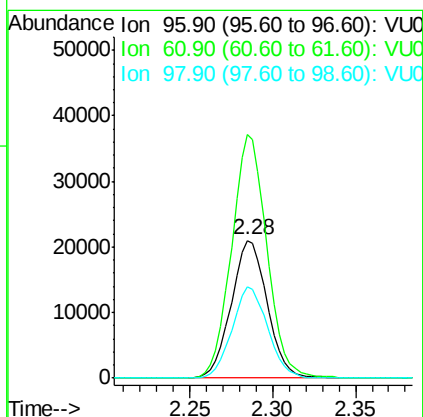
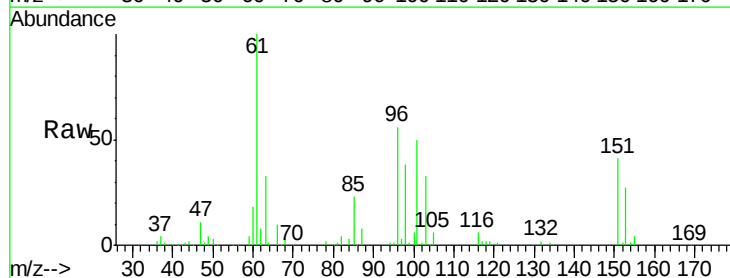
Tot Ion: 59 Resp: 62311
 Ion Ratio Lower Upper
 59 100
 57 10.6 8.2 12.2

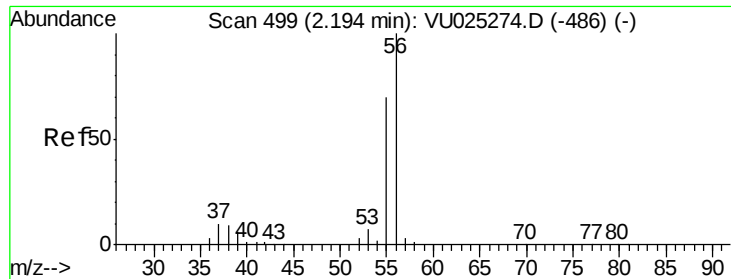


#12

1,1-Dichloroethene
 Concen: 18.92 ug/l
 RT: 2.28 min Scan# 527
 Delta R.T. 0.00 min
 Lab File: VU025362.D
 Acq: 13 Jul 2018 01:13

Tgt Ion: 96 Resp: 31646
 Ion Ratio Lower Upper
 96 100
 61 177.1 140.2 210.4
 98 66.5 49.3 73.9

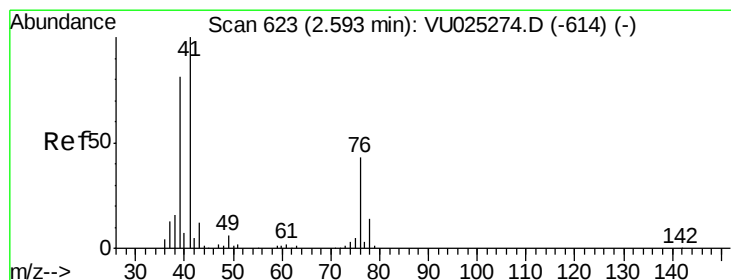
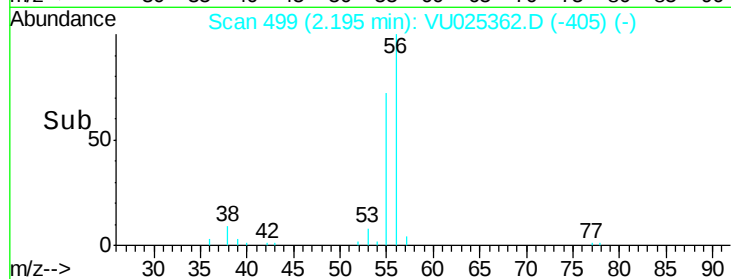
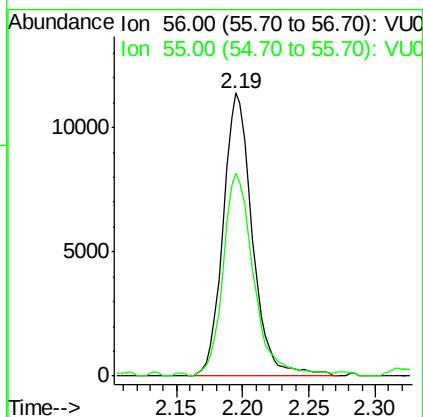
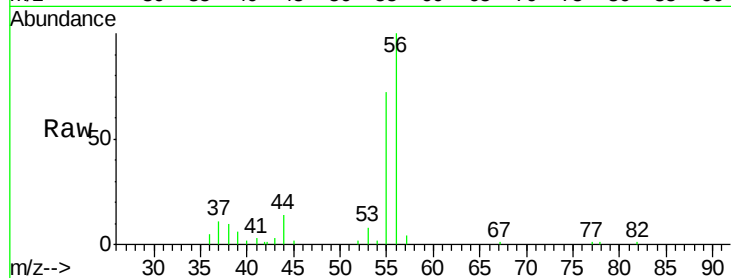




#13
Acrolein
Concen: 47.32 ug/l
RT: 2.19 min Scan# 499
Delta R.T. 0.00 min
Lab File: VU025362.D
Acq: 13 Jul 2018 01:13

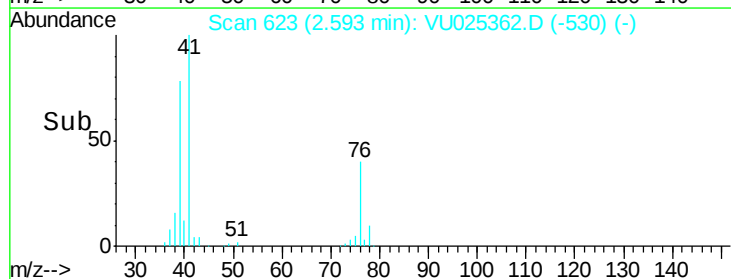
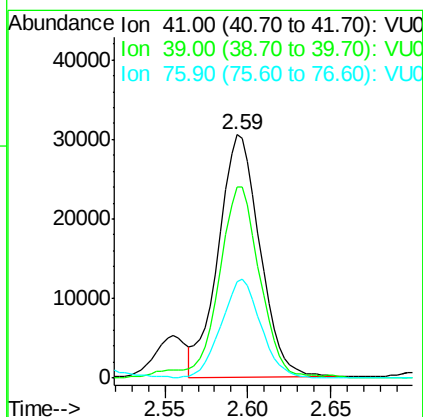
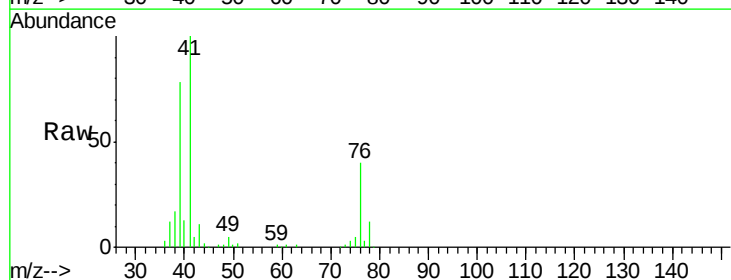
Instrument :
MSVOA_U
ClientSampleId :
VU0712WBSD03

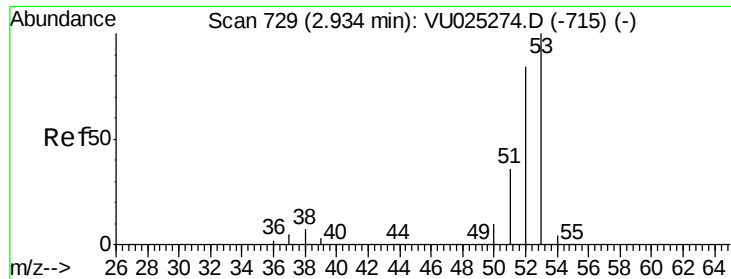
Tot Ion: 56 Resp: 17503
Ion Ratio Lower Upper
56 100
55 75.1 57.2 85.8



#14
Allyl chloride
Concen: 17.46 ug/l
RT: 2.59 min Scan# 623
Delta R.T. 0.00 min
Lab File: VU025362.D
Acq: 13 Jul 2018 01:13

Tgt Ion: 41 Resp: 52945
Ion Ratio Lower Upper
41 100
39 79.4 60.6 91.0
76 39.3 30.5 45.7





#15

Acrylonitrile

Concen: 105.22 ug/l

RT: 2.94 min Scan# 730

Delta R.T. 0.00 min

Lab File: VU025362.D

Acq: 13 Jul 2018 01:13

Instrument :

MSVOA_U

ClientSampleId :

VU0712WBSD03

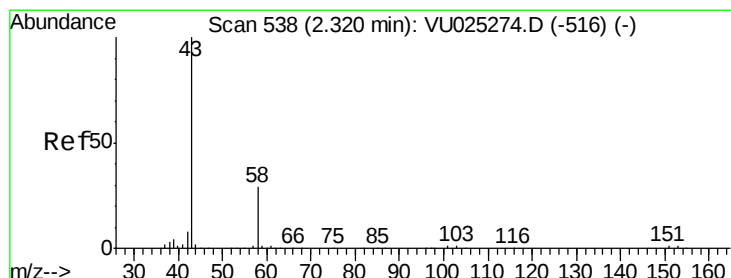
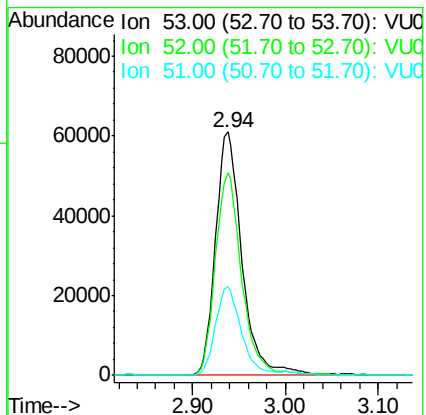
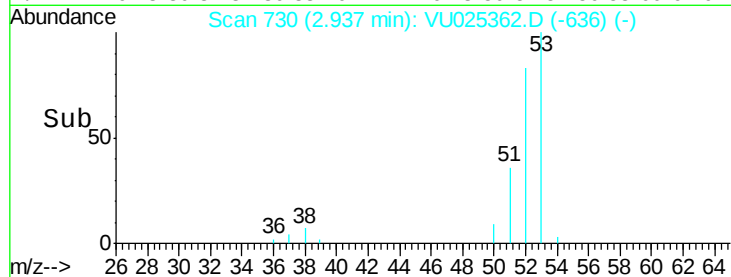
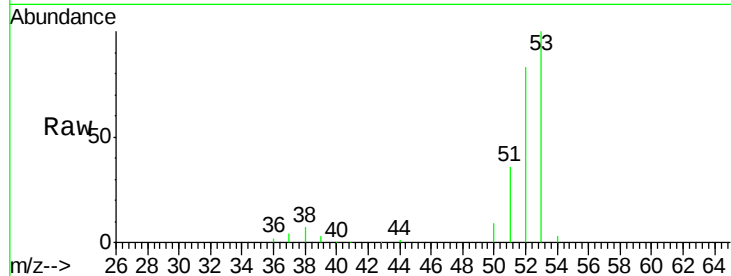
Tot Ion: 53 Resp: 120962

Ion Ratio Lower Upper

53 100

52 82.3 66.6 99.8

51 35.3 29.4 44.2



#16

Acetone

Concen: 91.80 ug/l

RT: 2.32 min Scan# 538

Delta R.T. 0.00 min

Lab File: VU025362.D

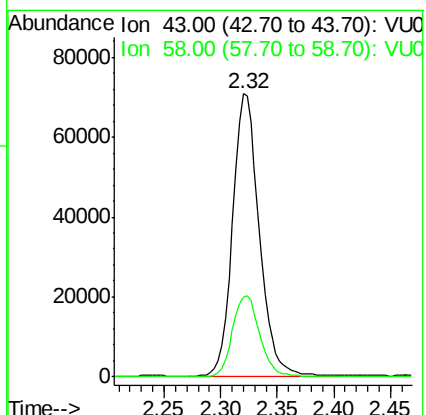
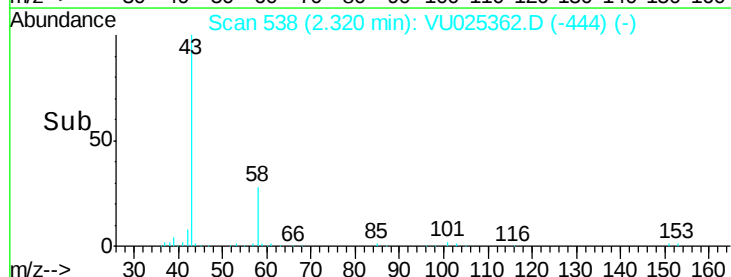
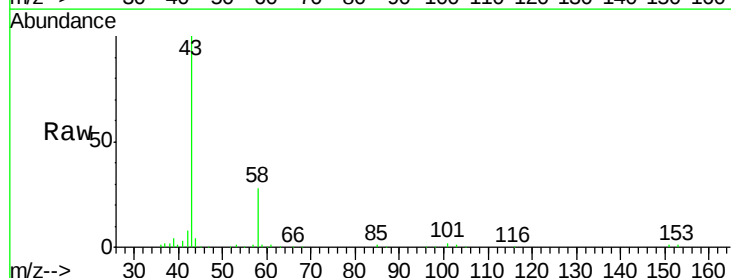
Acq: 13 Jul 2018 01:13

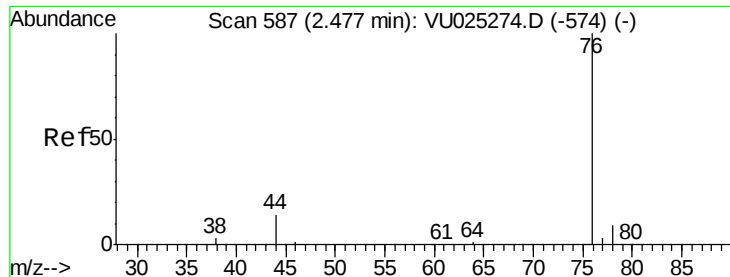
Tgt Ion: 43 Resp: 115959

Ion Ratio Lower Upper

43 100

58 28.3 23.1 34.7





#17

Carbon Disulfide

Concen: 17.27 ug/l

RT: 2.48 min Scan# 588

Delta R.T. 0.00 min

Lab File: VU025362.D

Acq: 13 Jul 2018 01:13

Instrument :

MSVOA_U

ClientSampleId :

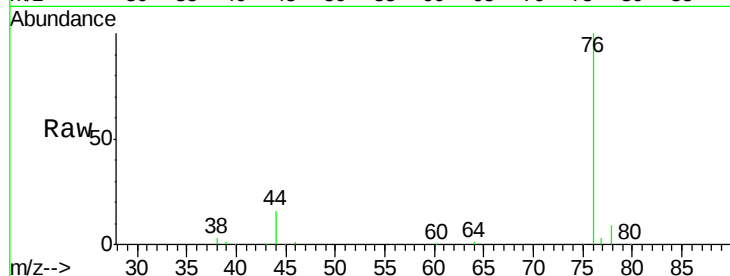
VU0712WBSD03

Tot Ion: 76 Resp: 77964

Ion Ratio Lower Upper

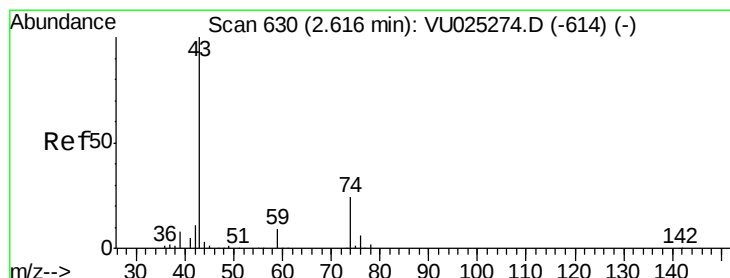
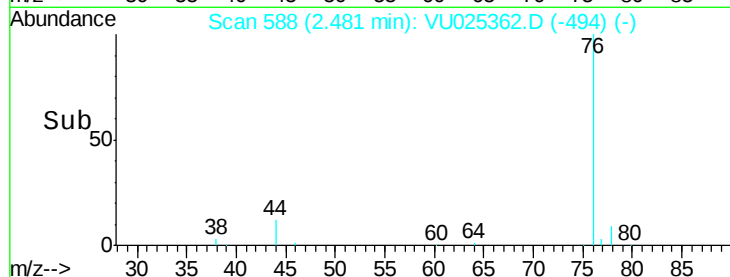
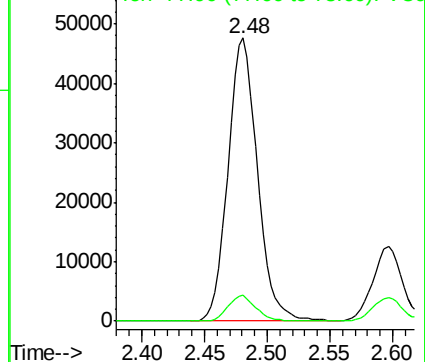
76 100

78 9.1 7.4 11.2



Abundance Ion 75.90 (75.60 to 76.60): VU0

Ion 77.90 (77.60 to 78.60): VU0



#18

Methyl Acetate

Concen: 23.37 ug/l

RT: 2.62 min Scan# 630

Delta R.T. 0.00 min

Lab File: VU025362.D

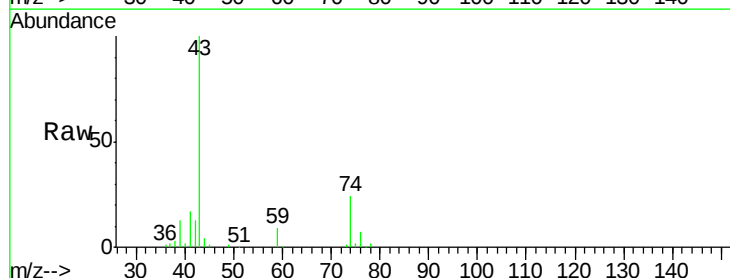
Acq: 13 Jul 2018 01:13

Tgt Ion: 43 Resp: 61320

Ion Ratio Lower Upper

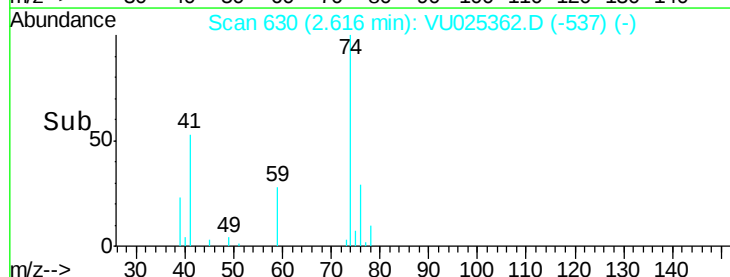
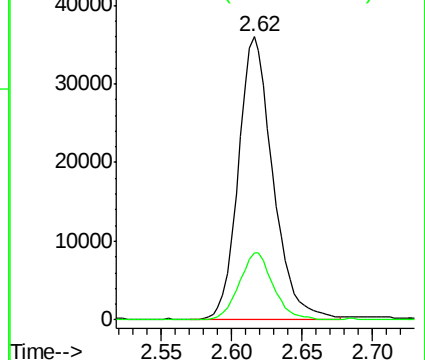
43 100

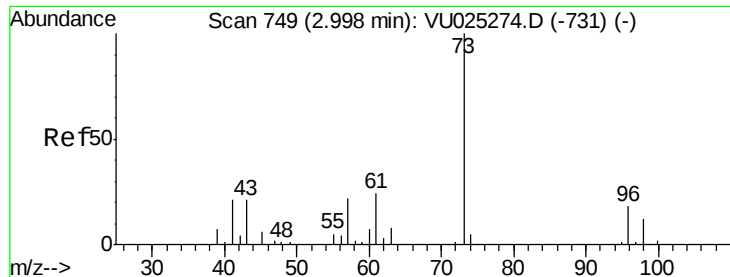
74 23.7 18.5 27.7



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 74.00 (73.70 to 74.70): VU0

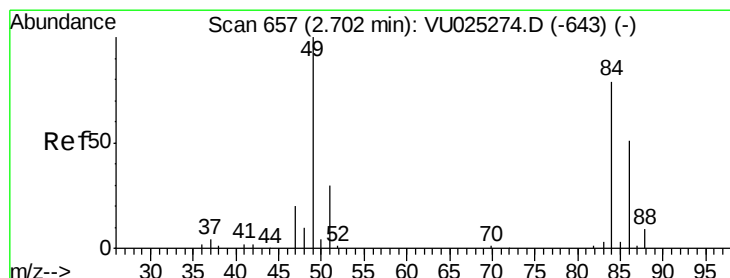
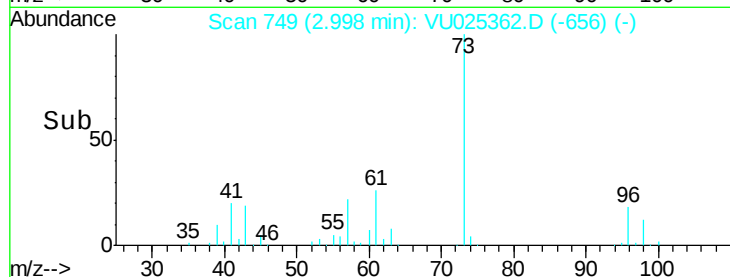
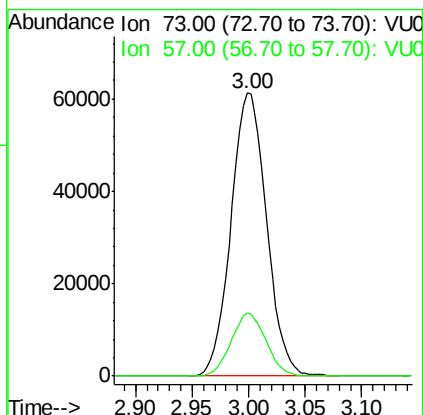
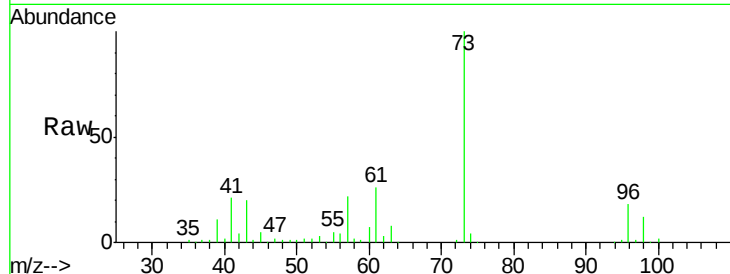




#19
Methvl tert-butvl Ether
Concen: 21.08 ug/l
RT: 3.00 min Scan# 749
Delta R.T. 0.00 min
Lab File: VU025362.D
Acq: 13 Jul 2018 01:13

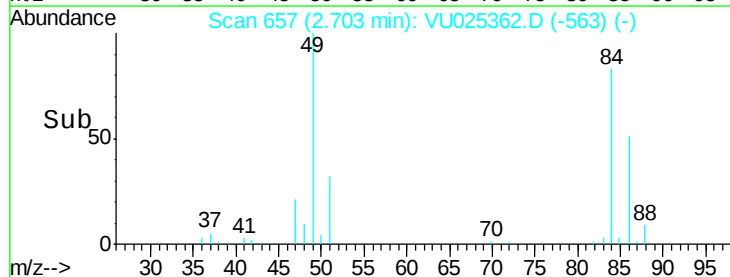
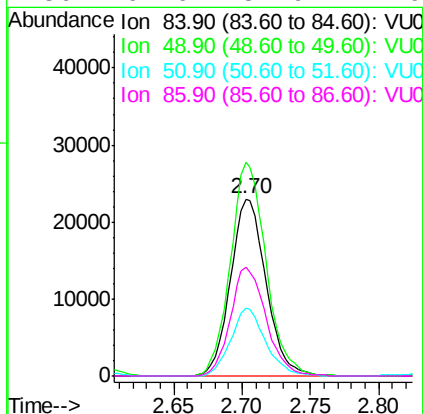
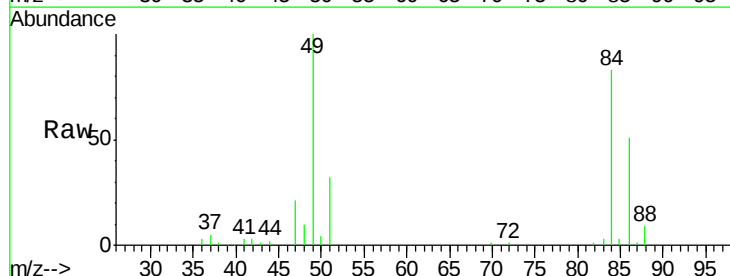
Instrument :
MSVOA_U
ClientSampleId :
VU0712WBSD03

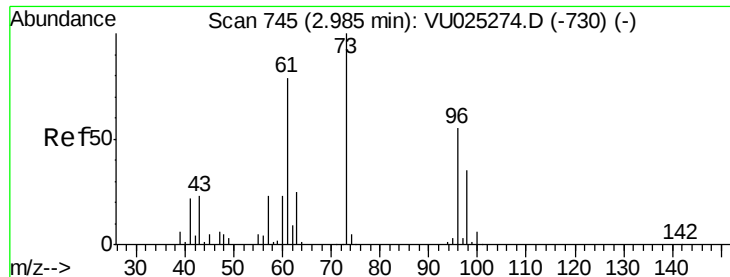
Tot Ion: 73 Resp: 134114
Ion Ratio Lower Upper
73 100
57 22.5 17.4 26.2



#20
Methylene Chloride
Concen: 21.41 ug/l
RT: 2.70 min Scan# 657
Delta R.T. 0.00 min
Lab File: VU025362.D
Acq: 13 Jul 2018 01:13

Tgt Ion: 84 Resp: 41648
Ion Ratio Lower Upper
84 100
49 120.6 101.8 152.6
51 38.3 30.8 46.2
86 61.6 51.9 77.9





#21

trans-1,2-Dichloroethene

Concen: 18.64 ug/l

RT: 2.99 min Scan# 745

Delta R.T. 0.00 min

Lab File: VU025362.D

Acq: 13 Jul 2018 01:13

Instrument :

MSVOA_U

ClientSampleId :

VU0712WBSD03

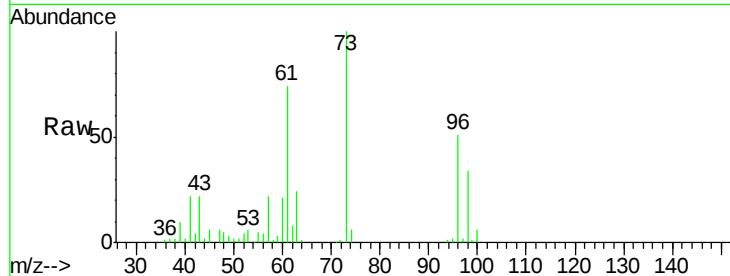
Tot Ion: 96 Resp: 35625

Ion Ratio Lower Upper

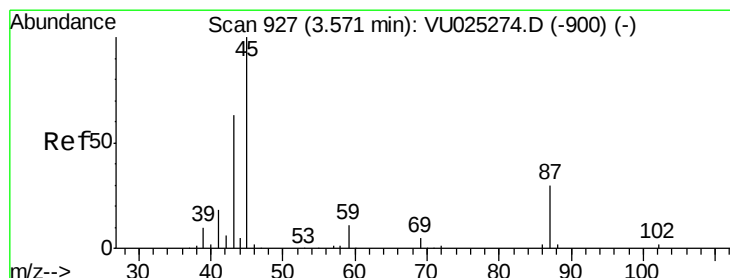
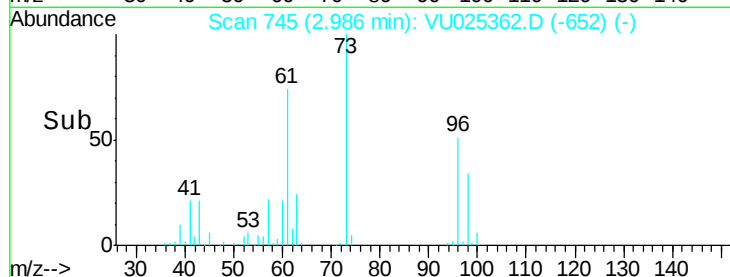
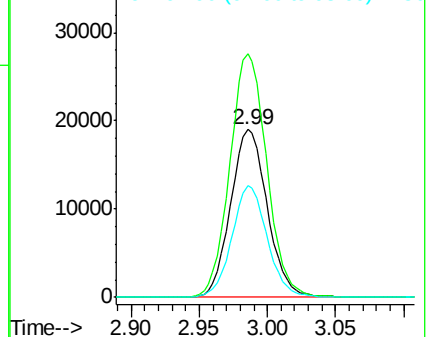
96 100

61 145.1 114.5 171.7

98 66.6 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: 21.13 ug/l

RT: 3.57 min Scan# 928

Delta R.T. 0.00 min

Lab File: VU025362.D

Acq: 13 Jul 2018 01:13

Tgt Ion: 45 Resp: 130882

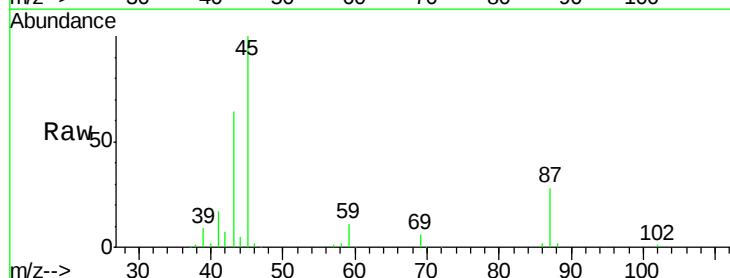
Ion Ratio Lower Upper

45 100

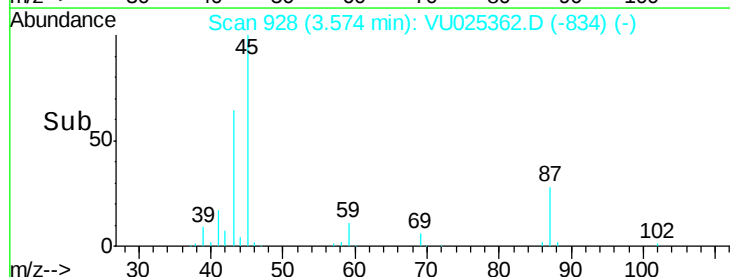
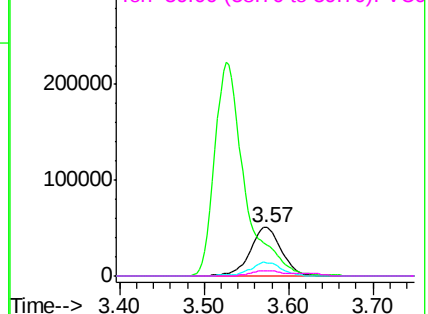
43 63.4 50.9 76.3

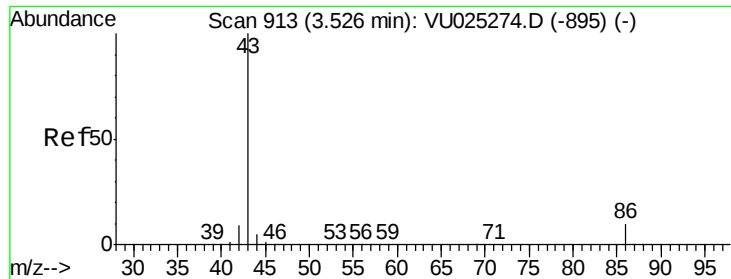
87 27.8 23.8 35.8

59 10.7 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: 101.79 ug/l

RT: 3.53 min Scan# 913

Delta R.T. 0.00 min

Lab File: VU025362.D

Acq: 13 Jul 2018 01:13

Instrument :

MSVOA_U

ClientSampleId :

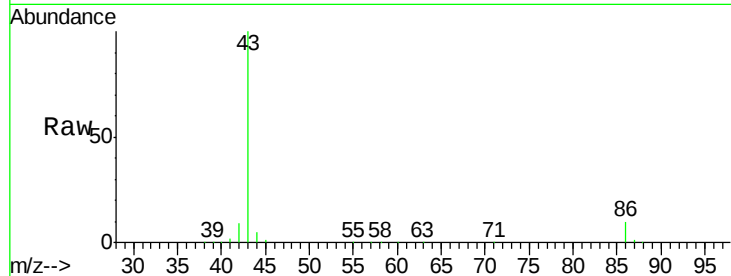
VU0712WBSD03

Tot Ion: 43 Resp: 553037

Ion Ratio Lower Upper

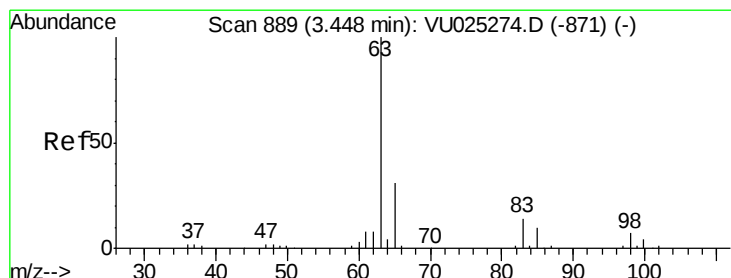
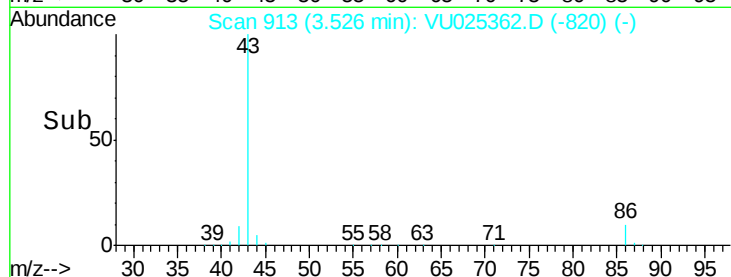
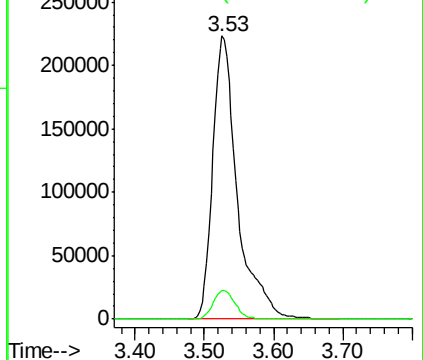
43 100

86 10.3 8.2 12.2



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 86.00 (85.70 to 86.70): VU0



#24

1,1-Dichloroethane

Concen: 21.09 ug/l

RT: 3.45 min Scan# 890

Delta R.T. 0.00 min

Lab File: VU025362.D

Acq: 13 Jul 2018 01:13

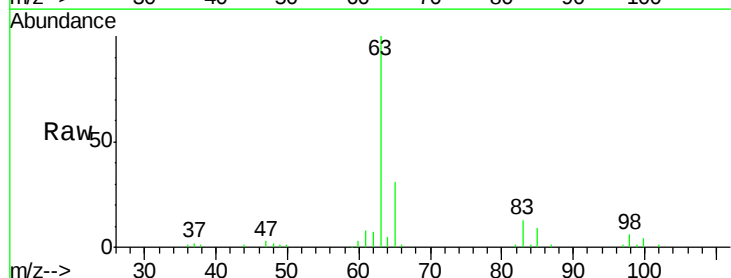
Tgt Ion: 63 Resp: 73672

Ion Ratio Lower Upper

63 100

98 6.4 3.4 10.1

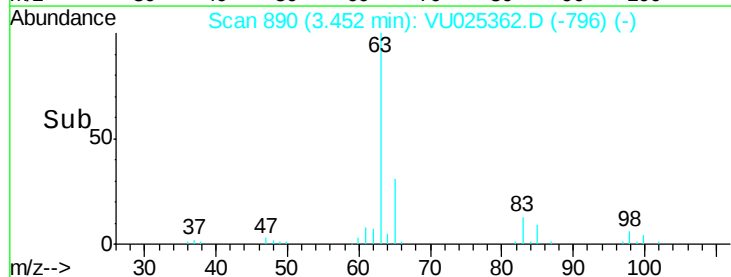
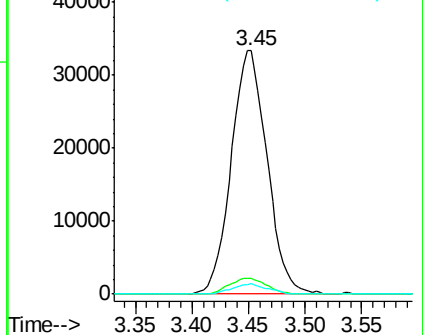
100 4.2 2.0 6.0

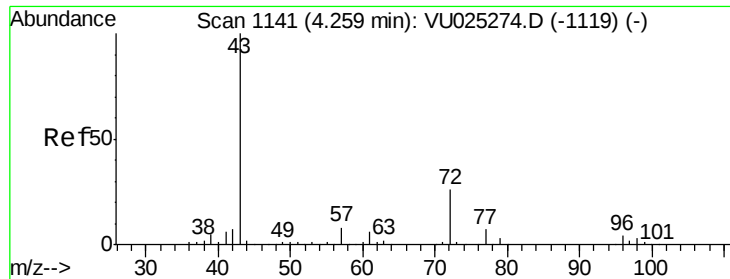


Abundance Ion 62.90 (62.60 to 63.60): VU0

Ion 97.90 (97.60 to 98.60): VU0

Ion 99.90 (99.60 to 100.60): VU0





#25

2-Butanone

Concen: 97.91 ug/l

RT: 4.26 min Scan# 1142

Delta R.T. 0.00 min

Lab File: VU025362.D

Acq: 13 Jul 2018 01:13

Instrument :

MSVOA_U

ClientSampleId :

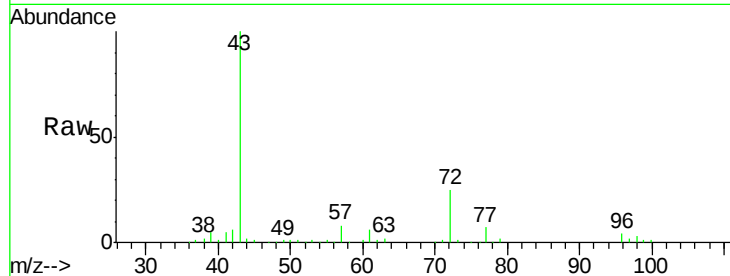
VU0712WBSD03

Tot Ion: 43 Resp: 173948

Ion Ratio Lower Upper

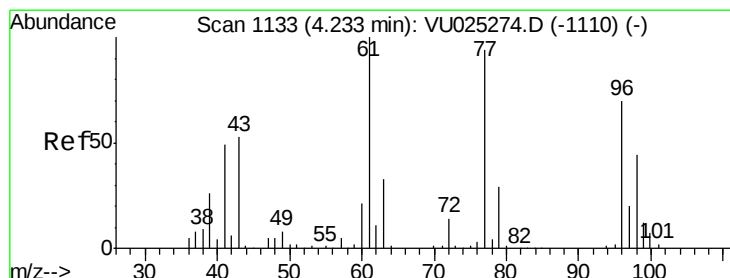
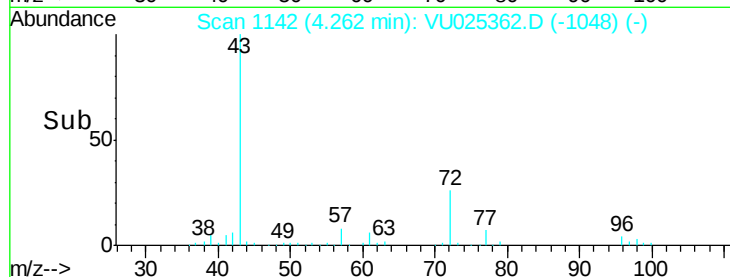
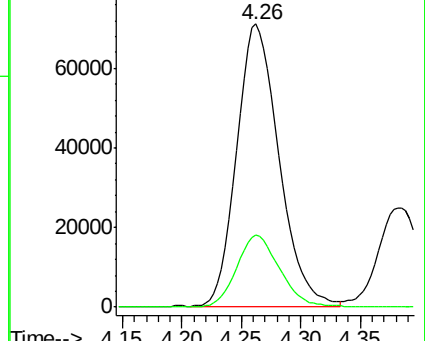
43 100

72 25.4 21.0 31.4



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 72.00 (71.70 to 72.70): VU0



#26

2,2-Dichloropropane

Concen: 15.29 ug/l

RT: 4.23 min Scan# 1133

Delta R.T. 0.00 min

Lab File: VU025362.D

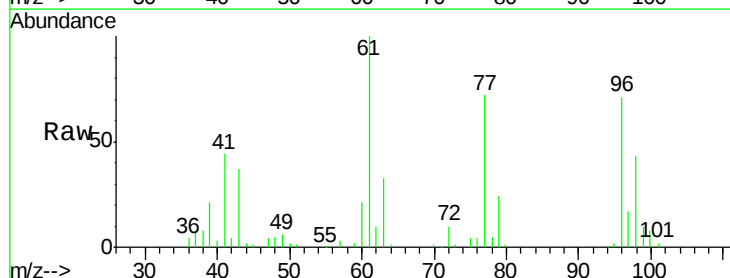
Acq: 13 Jul 2018 01:13

Tgt Ion: 77 Resp: 51368

Ion Ratio Lower Upper

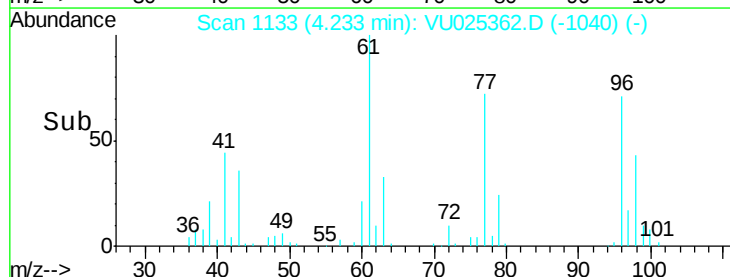
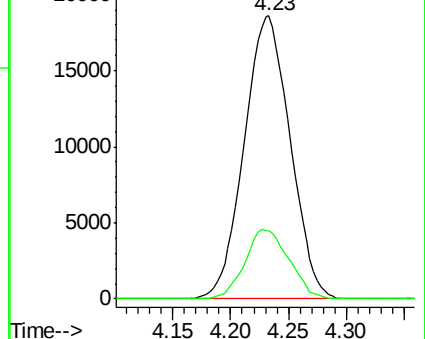
77 100

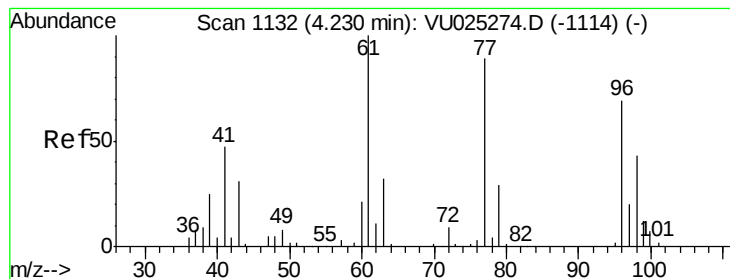
97 23.4 11.2 33.5



Abundance Ion 76.90 (76.60 to 77.60): VU0

Ion 96.90 (96.60 to 97.60): VU0





#27

cis-1,2-Dichloroethene

Concen: 19.72 ug/l

RT: 4.23 min Scan# 1132

Delta R.T. 0.00 min

Lab File: VU025362.D

Acq: 13 Jul 2018 01:13

Instrument :

MSVOA_U

ClientSampleId :

VU0712WBSD03

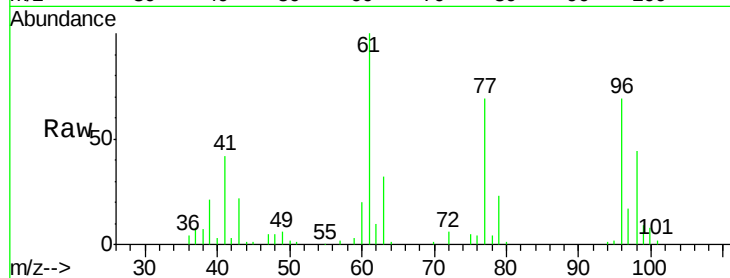
Tot Ion: 96 Resp: 43611

Ion Ratio Lower Upper

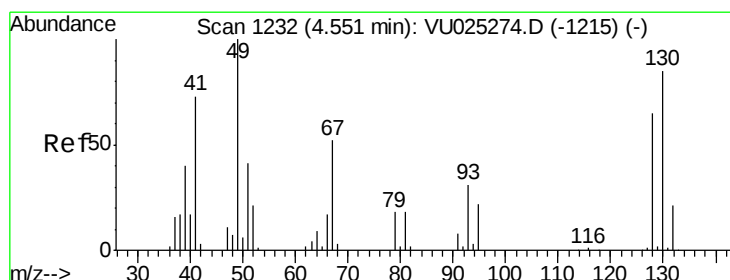
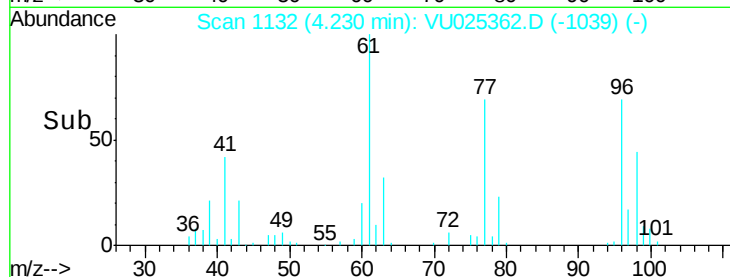
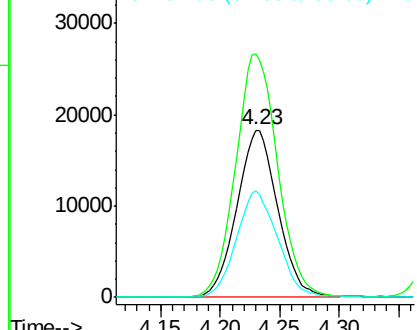
96 100

61 150.5 0.0 299.8

98 64.2 0.0 128.6



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



#28

Bromochloromethane

Concen: 21.34 ug/l

RT: 4.55 min Scan# 1232

Delta R.T. 0.00 min

Lab File: VU025362.D

Acq: 13 Jul 2018 01:13

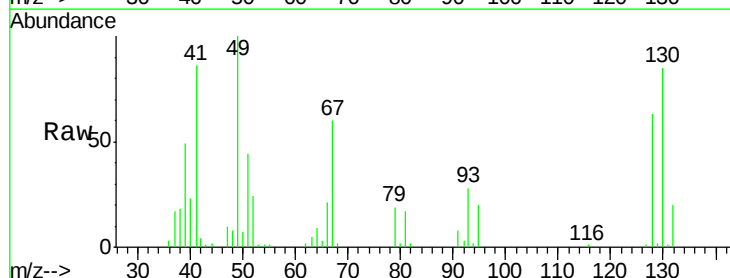
Tgt Ion: 49 Resp: 35999

Ion Ratio Lower Upper

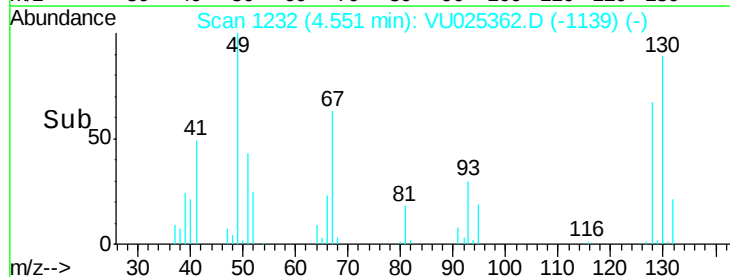
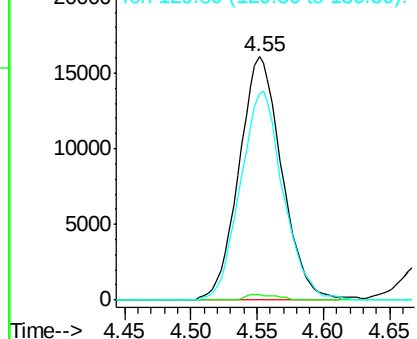
49 100

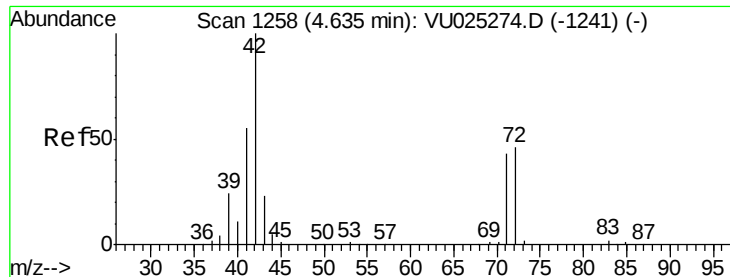
129 1.6 0.0 4.6

130 86.2 68.6 102.8



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





#29

Tetrahydrofuran

Concen: 103.21 ug/l

RT: 4.64 min Scan# 1258

Delta R.T. 0.00 min

Lab File: VU025362.D

Acq: 13 Jul 2018 01:13

Instrument :

MSVOA_U

ClientSampleId :

VU0712WBSD03

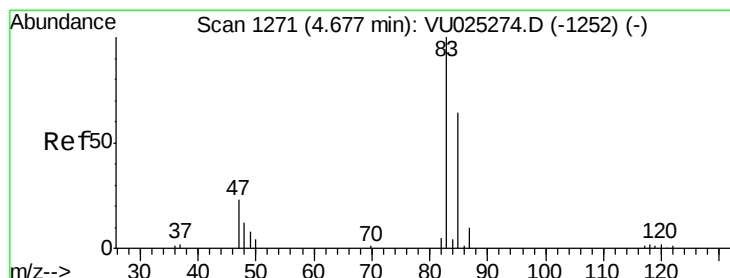
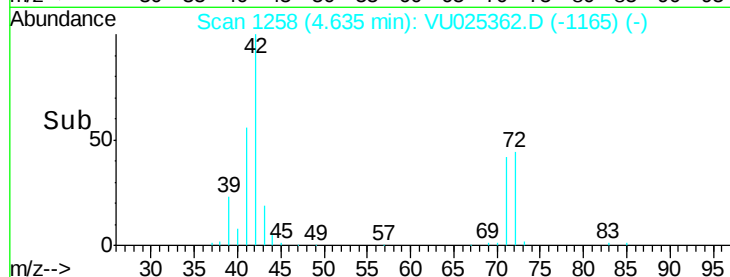
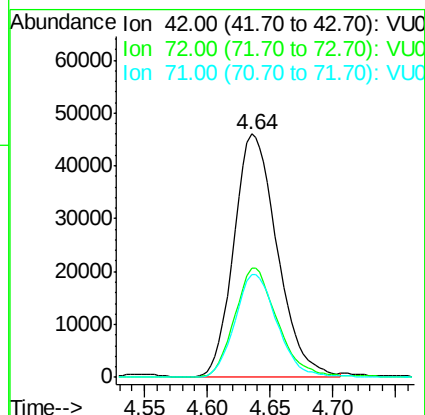
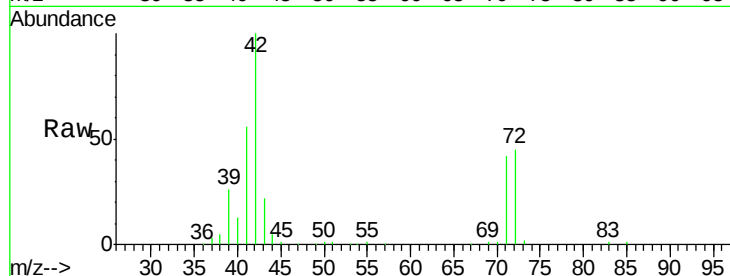
Tot Ion: 42 Resp: 109983

Ion Ratio Lower Upper

42 100

72 44.5 36.7 55.1

71 41.6 33.9 50.9



#30

Chloroform

Concen: 21.50 ug/l

RT: 4.68 min Scan# 1272

Delta R.T. 0.00 min

Lab File: VU025362.D

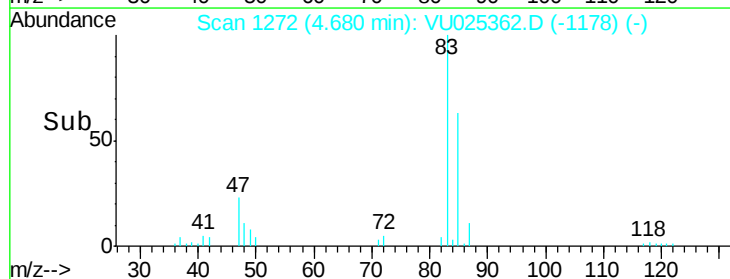
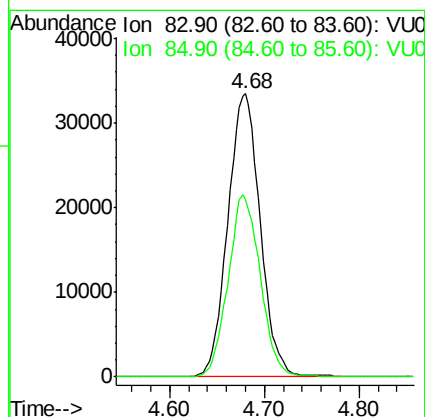
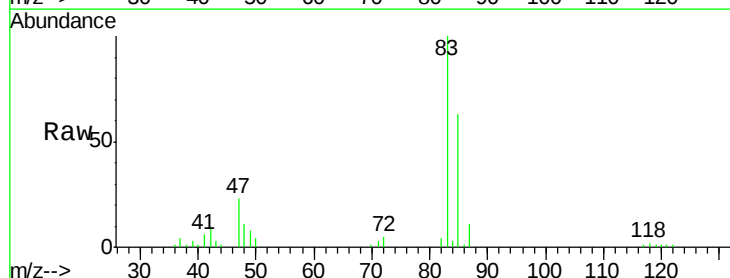
Acq: 13 Jul 2018 01:13

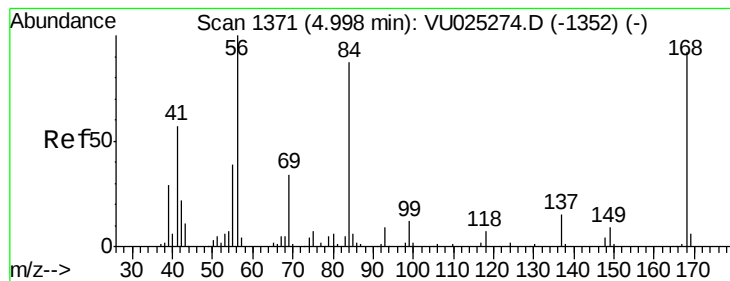
Tgt Ion: 83 Resp: 79523

Ion Ratio Lower Upper

83 100

85 62.8 51.5 77.3





#31

Cyclohexane

Concen: 19.50 ug/l

RT: 5.00 min Scan# 1372

Delta R.T. 0.00 min

Lab File: VU025362.D

Acq: 13 Jul 2018 01:13

Instrument :

MSVOA_U

ClientSampleId :

VU0712WBSD03

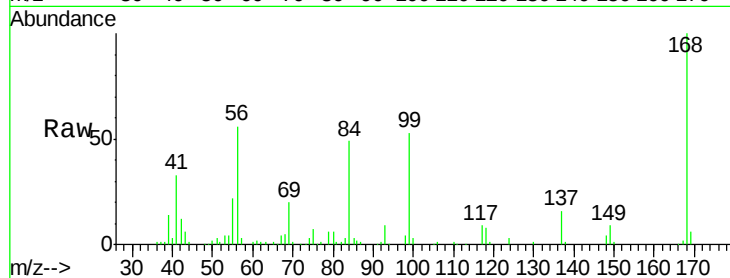
Tot Ion: 56 Resp: 61623

Ion Ratio Lower Upper

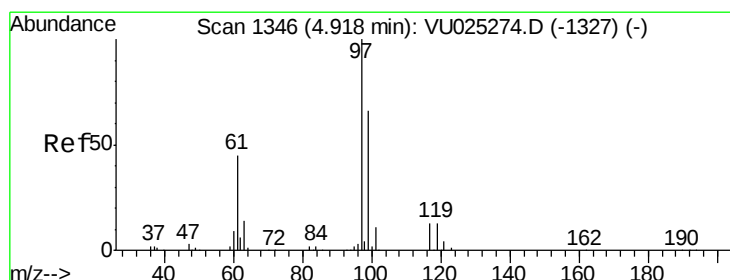
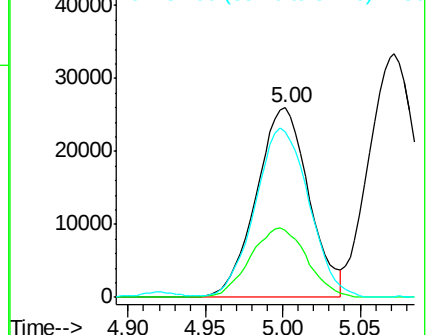
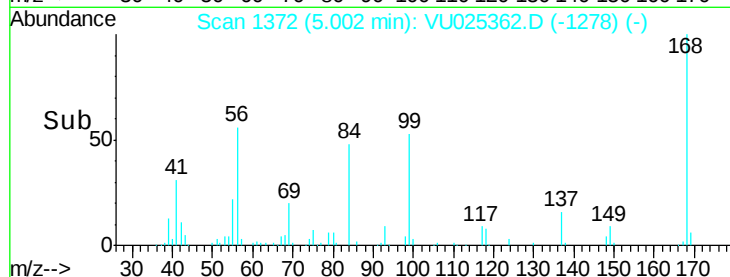
56 100

69 35.4 26.8 40.2

84 86.5 69.7 104.5



Abundance Ion 56.00 (55.70 to 56.70): VU0
Ion 69.00 (68.70 to 69.70): VU0
Ion 84.00 (83.70 to 84.70): VU0



#32

1,1,1-Trichloroethane

Concen: 20.66 ug/l

RT: 4.92 min Scan# 1347

Delta R.T. 0.00 min

Lab File: VU025362.D

Acq: 13 Jul 2018 01:13

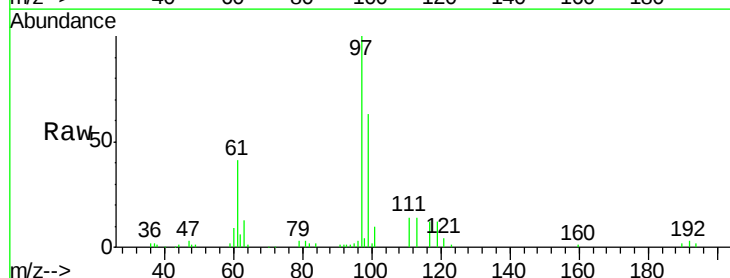
Tgt Ion: 97 Resp: 69250

Ion Ratio Lower Upper

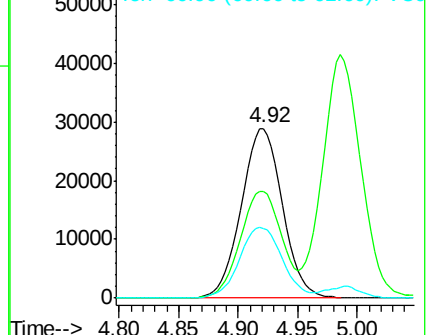
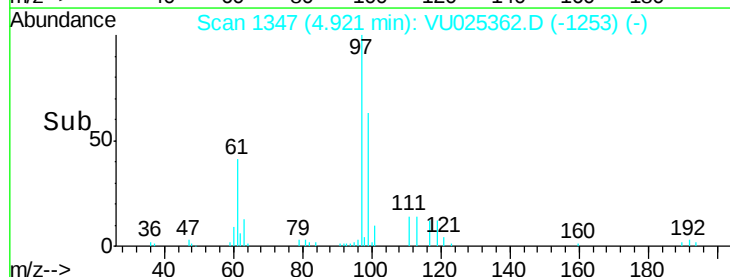
97 100

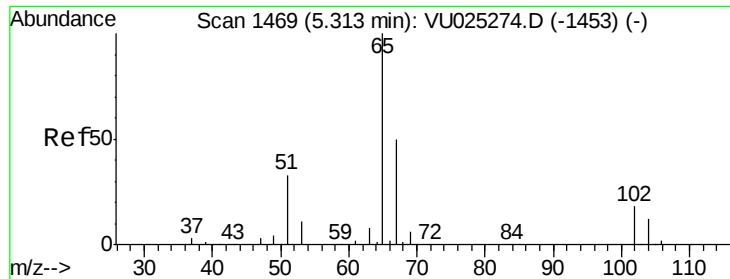
99 63.6 50.8 76.2

61 43.0 35.2 52.8



Abundance Ion 96.90 (96.60 to 97.60): VU0
Ion 98.90 (98.60 to 99.60): VU0
Ion 60.90 (60.60 to 61.60): VU0

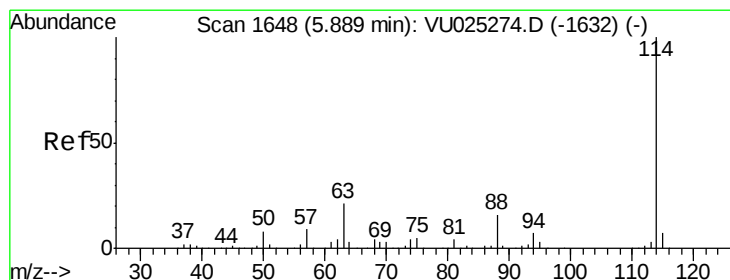
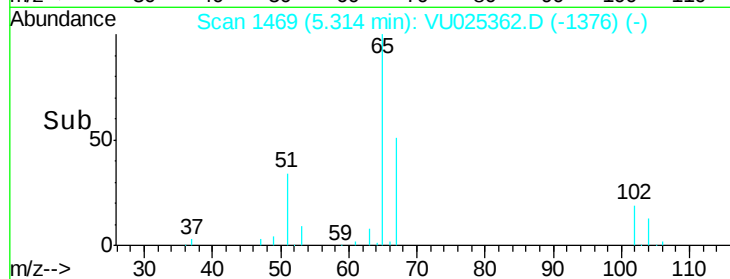
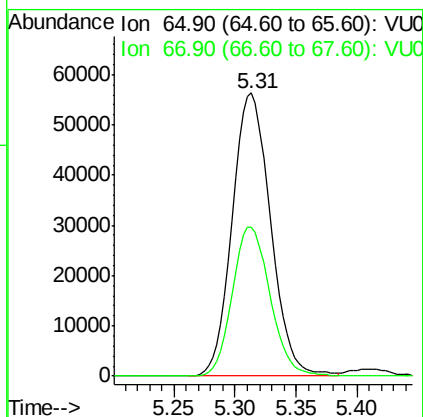
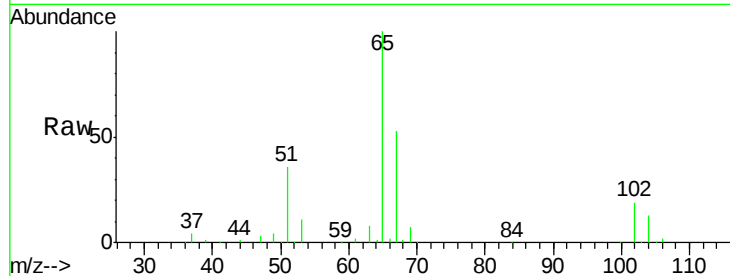




#33
 1,2-Dichloroethane-d4
 Concen: 48.01 ug/l
 RT: 5.31 min Scan# 1469
 Delta R.T. 0.00 min
 Lab File: VU025362.D
 Acq: 13 Jul 2018 01:13

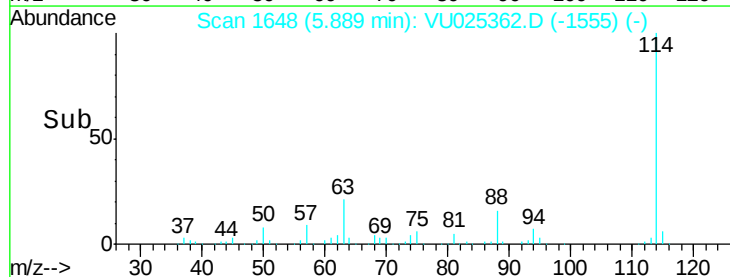
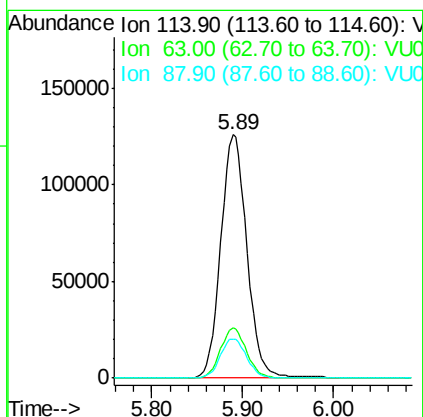
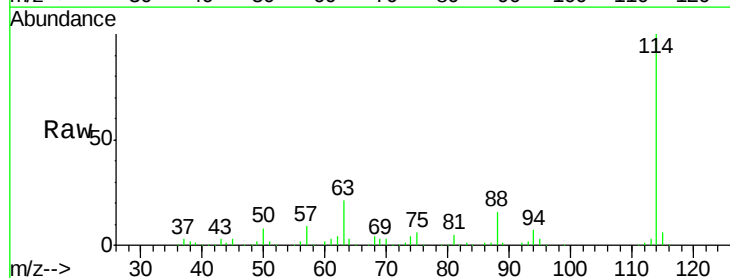
Instrument :
 MSVOA_U
 ClientSampleId :
 VU0712WBSD03

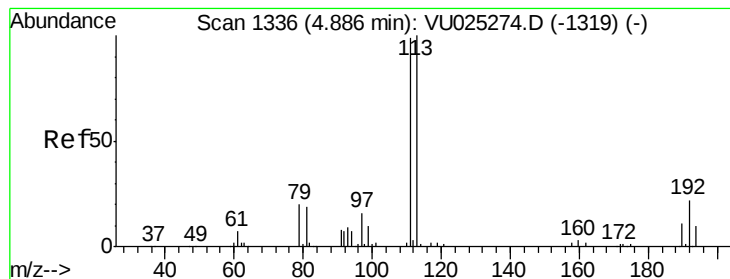
Tot Ion: 65 Resp: 123044
 Ion Ratio Lower Upper
 65 100
 67 51.9 0.0 103.6



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 5.89 min Scan# 1648
 Delta R.T. 0.00 min
 Lab File: VU025362.D
 Acq: 13 Jul 2018 01:13

Tgt Ion: 114 Resp: 251617
 Ion Ratio Lower Upper
 114 100
 63 20.8 0.0 41.6
 88 16.1 0.0 32.4





#35

Dibromofluoromethane

Concen: 47.82 ug/l

RT: 4.89 min Scan# 1336

Delta R.T. 0.00 min

Lab File: VU025362.D

Acq: 13 Jul 2018 01:13

Instrument :

MSVOA_U

ClientSampleId :

VU0712WBSD03

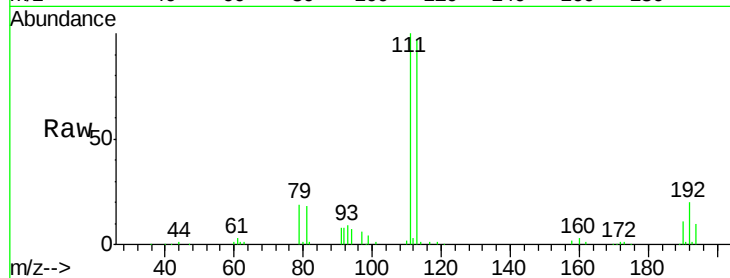
Tot Ion:113 Resp: 101499

Ion Ratio Lower Upper

113 100

111 100.4 81.7 122.5

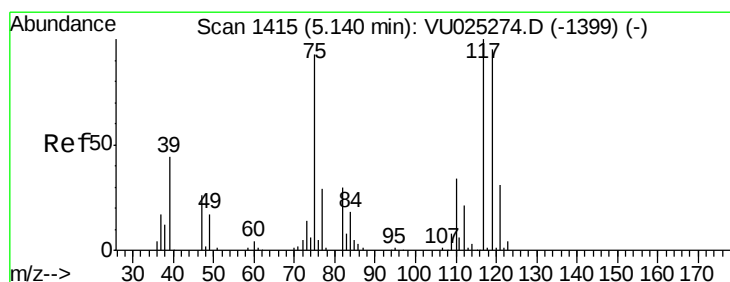
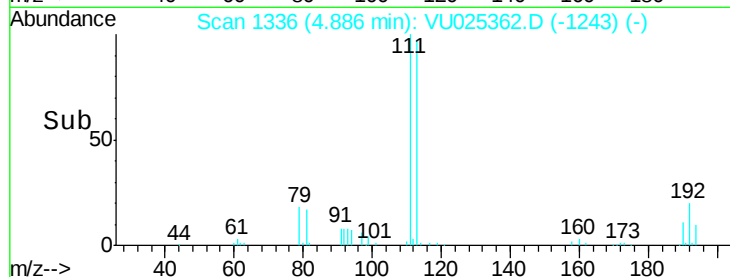
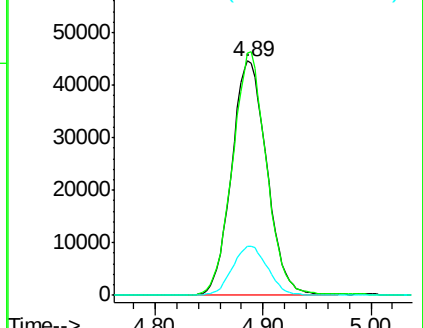
192 21.1 17.1 25.7



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 19.03 ug/l

RT: 5.14 min Scan# 1416

Delta R.T. 0.00 min

Lab File: VU025362.D

Acq: 13 Jul 2018 01:13

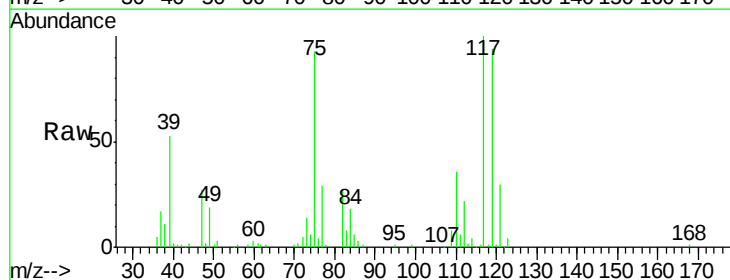
Tgt Ion: 75 Resp: 53243

Ion Ratio Lower Upper

75 100

110 36.3 17.6 52.9

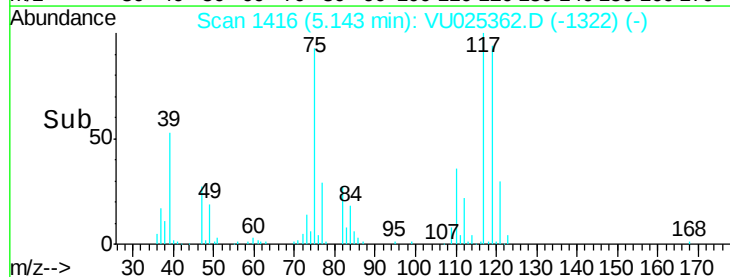
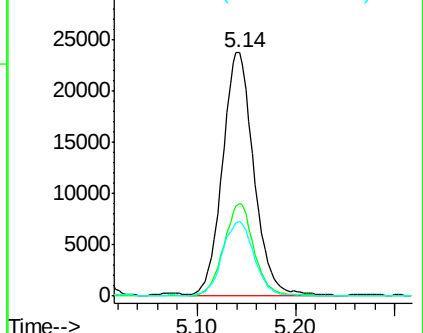
77 30.9 24.4 36.6

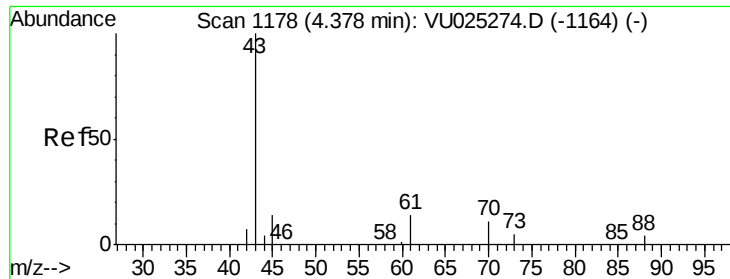


Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VU0

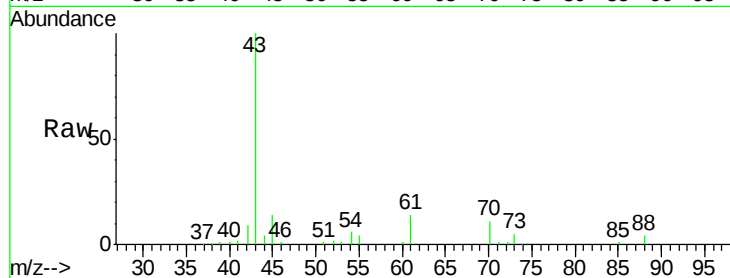




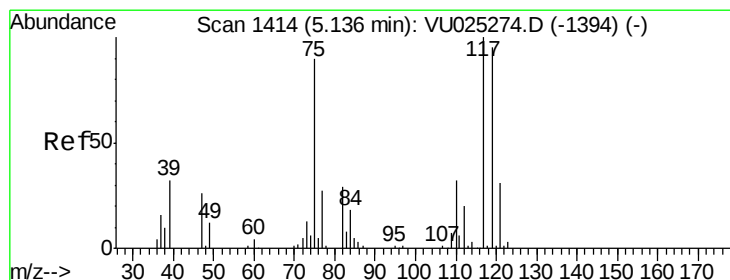
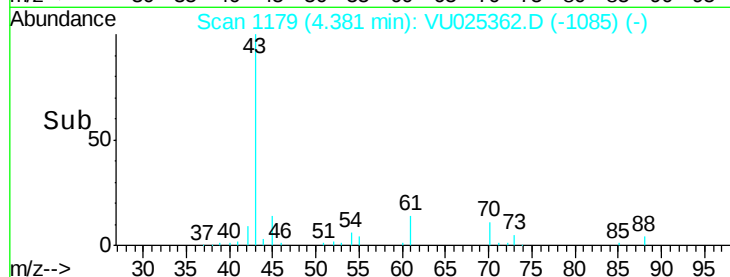
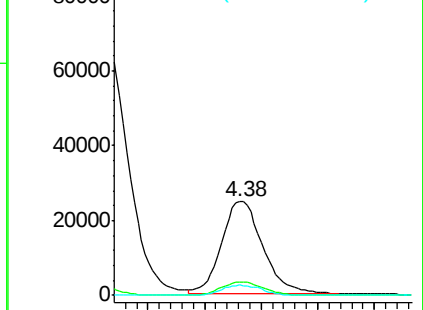
#37
Ethyl Acetate
Concen: 20.12 ug/l
RT: 4.38 min Scan# 1179
Delta R.T. 0.00 min
Lab File: VU025362.D
Acq: 13 Jul 2018 01:13

Instrument :
MSVOA_U
ClientSampleId :
VU0712WBSD03

Tot Ion: 43 Resp: 62769
Ion Ratio Lower Upper
43 100
61 14.4 10.7 16.1
70 10.7 8.4 12.6

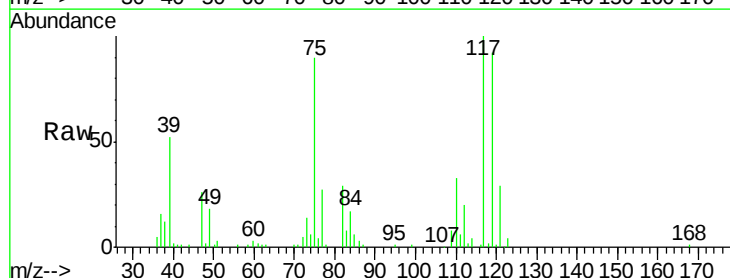


Abundance Ion 43.00 (42.70 to 43.70): VU0
Ion 60.90 (60.60 to 61.60): VU0
Ion 70.00 (69.70 to 70.70): VU0

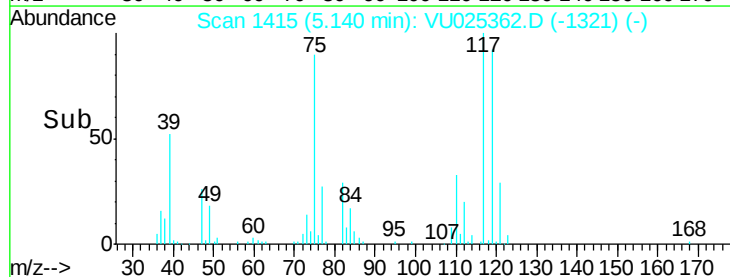
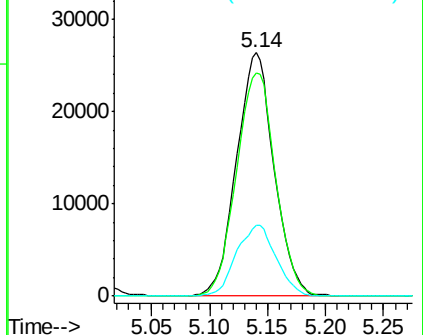


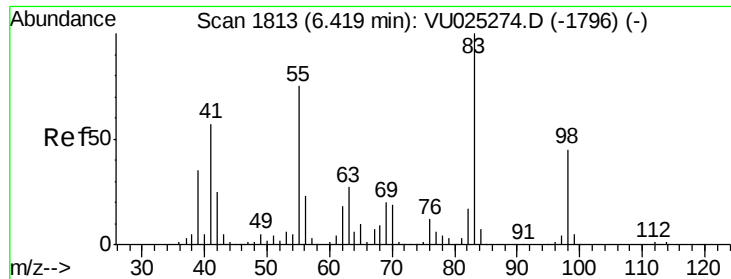
#38
Carbon Tetrachloride
Concen: 19.74 ug/l
RT: 5.14 min Scan# 1415
Delta R.T. 0.00 min
Lab File: VU025362.D
Acq: 13 Jul 2018 01:13

Tgt Ion: 117 Resp: 59442
Ion Ratio Lower Upper
117 100
119 91.9 75.7 113.5
121 29.1 24.6 36.8



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

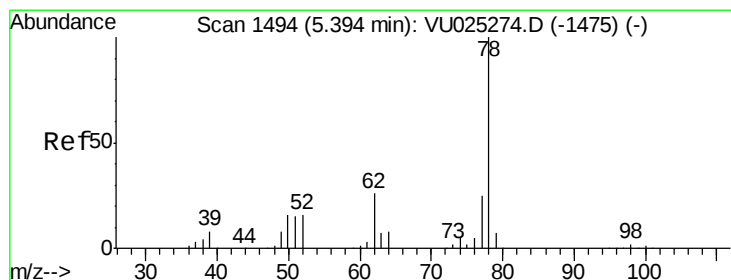
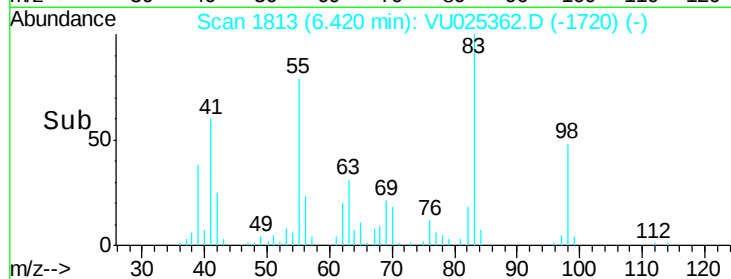
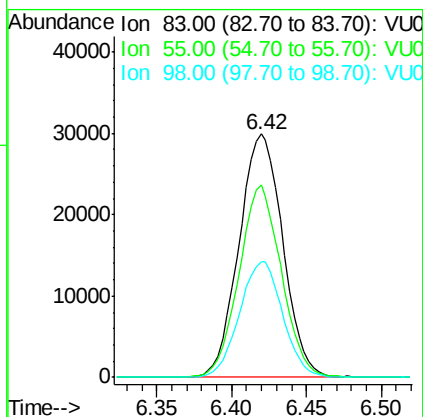
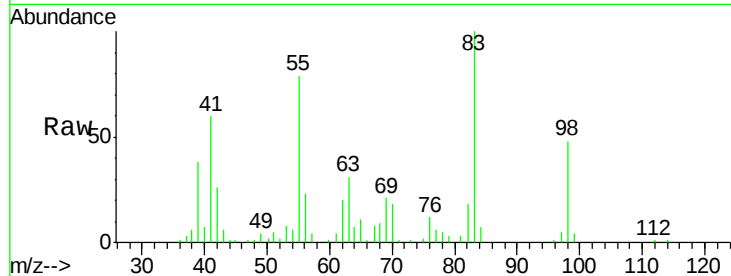




#39
Methvlcvclohexane
Concen: 17.45 ug/l
RT: 6.42 min Scan# 1813
Delta R.T. 0.00 min
Lab File: VU025362.D
Acq: 13 Jul 2018 01:13

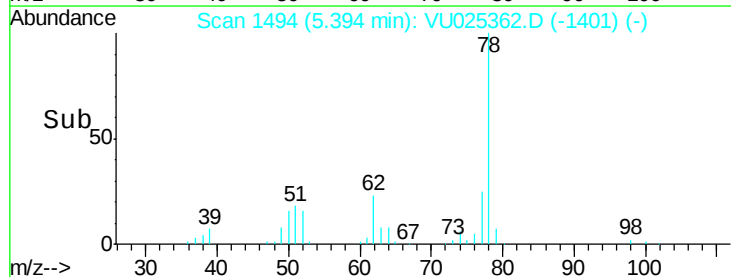
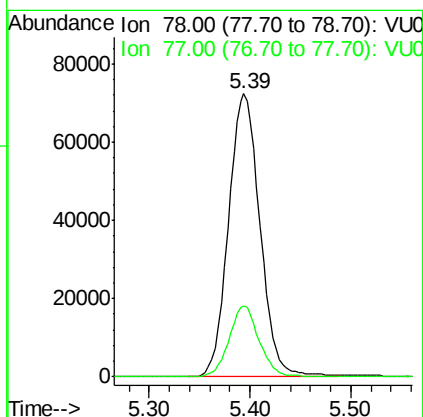
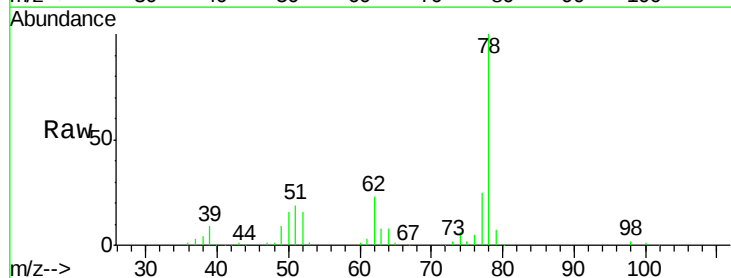
Instrument :
MSVOA_U
ClientSampleId :
VU0712WBSD03

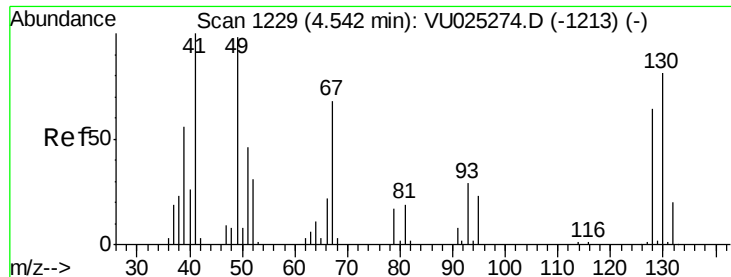
Tot Ion: 83 Resp: 60871
Ion Ratio Lower Upper
83 100
55 79.0 60.0 90.0
98 47.6 36.1 54.1



#40
Benzene
Concen: 19.49 ug/l
RT: 5.39 min Scan# 1494
Delta R.T. 0.00 min
Lab File: VU025362.D
Acq: 13 Jul 2018 01:13

Tgt Ion: 78 Resp: 157145
Ion Ratio Lower Upper
78 100
77 25.2 19.8 29.6

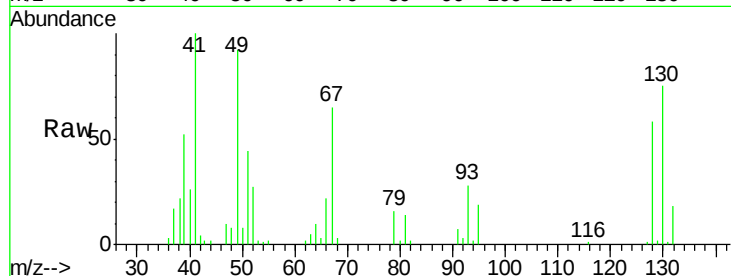




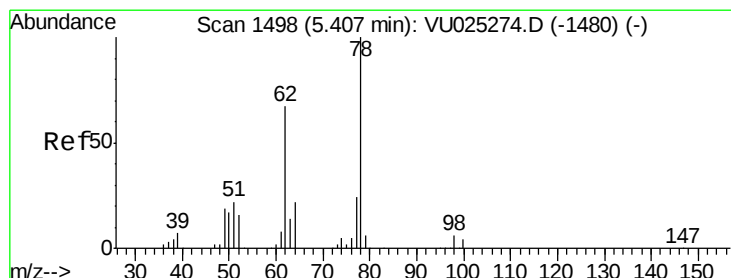
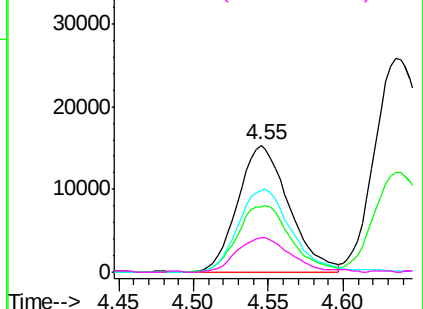
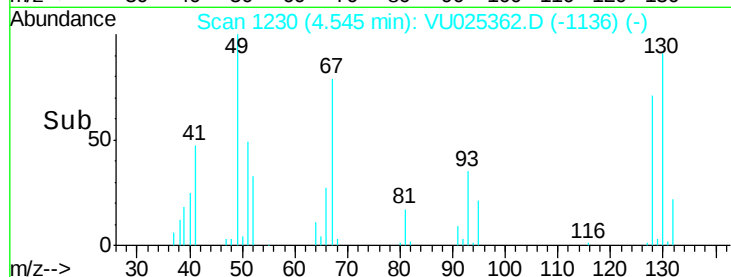
#41
Methacrylonitrile
Concen: 21.13 ug/l
RT: 4.55 min Scan# 1230
Delta R.T. 0.00 min
Lab File: VU025362.D
Acq: 13 Jul 2018 01:13

Instrument :
MSVOA_U
ClientSampleId :
VU0712WBSD03

Tot Ion:	41	Resp:	36544
Ion	Ratio	Lower	Upper
41	100		
39	54.8	44.4	66.6
67	67.5	56.0	84.0
52	28.8	24.6	36.8

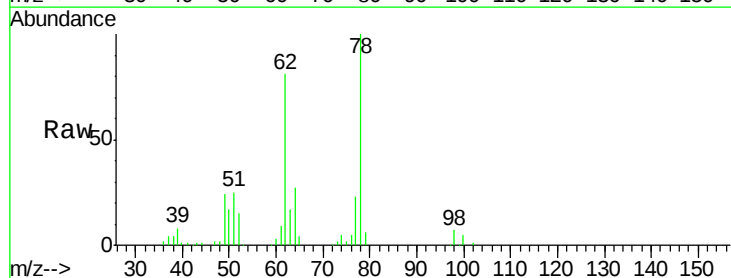


Abundance Ion 41.00 (40.70 to 41.70): VU0
Ion 39.00 (38.70 to 39.70): VU0
Ion 67.00 (66.70 to 67.70): VU0
Ion 52.00 (51.70 to 52.70): VU0

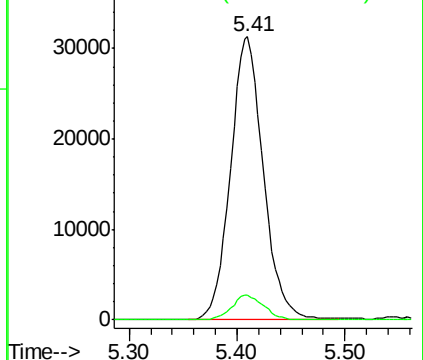
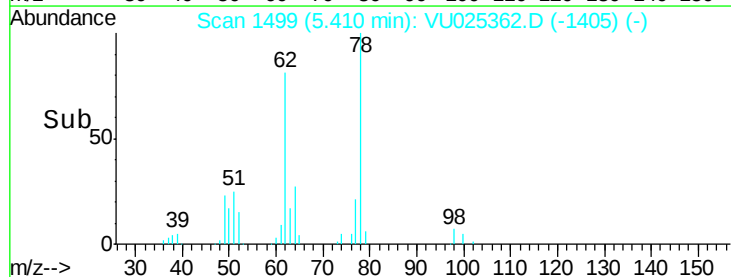


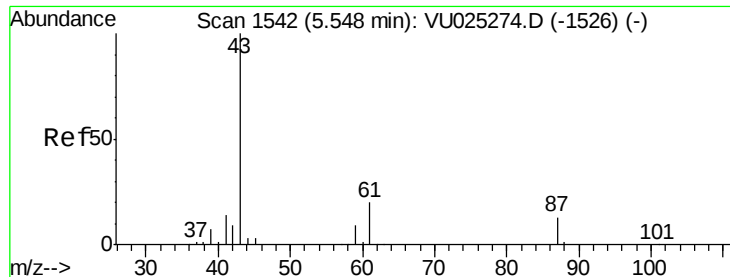
#42
1,2-Dichloroethane
Concen: 20.73 ug/l
RT: 5.41 min Scan# 1499
Delta R.T. 0.00 min
Lab File: VU025362.D
Acq: 13 Jul 2018 01:13

Tgt Ion:	62	Resp:	66437
Ion	Ratio	Lower	Upper
62	100		
98	8.3	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: 20.85 ug/l

RT: 5.55 min Scan# 1542

Delta R.T. 0.00 min

Lab File: VU025362.D

Acq: 13 Jul 2018 01:13

Instrument :

MSVOA_U

ClientSampleId :

VU0712WBSD03

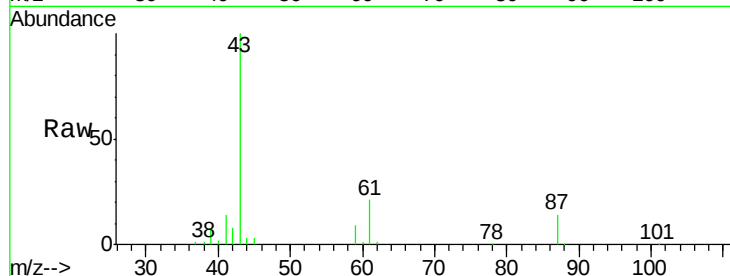
Tot Ion: 43 Resp: 104155

Ion Ratio Lower Upper

43 100

61 19.7 15.5 23.3

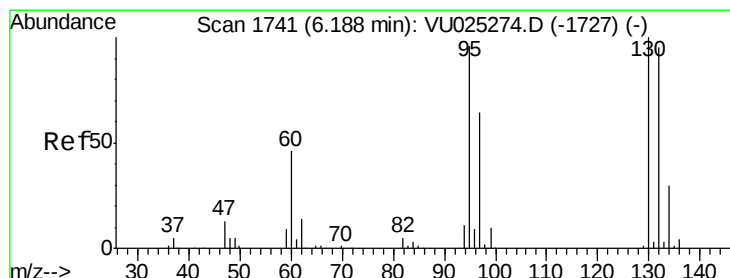
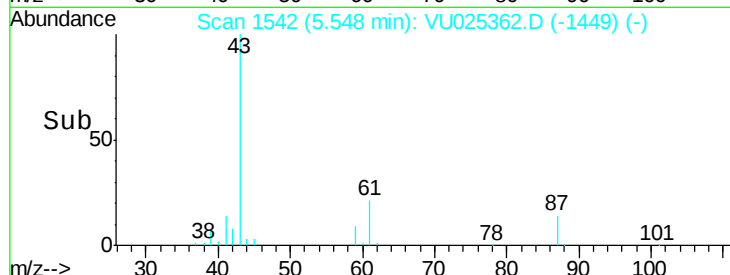
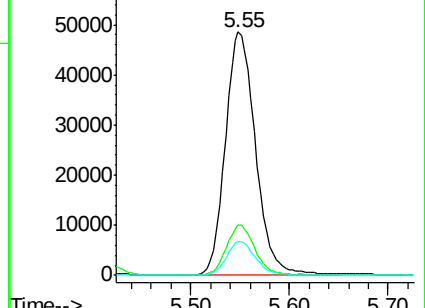
87 13.3 10.6 16.0



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: 18.67 ug/l

RT: 6.19 min Scan# 1742

Delta R.T. 0.00 min

Lab File: VU025362.D

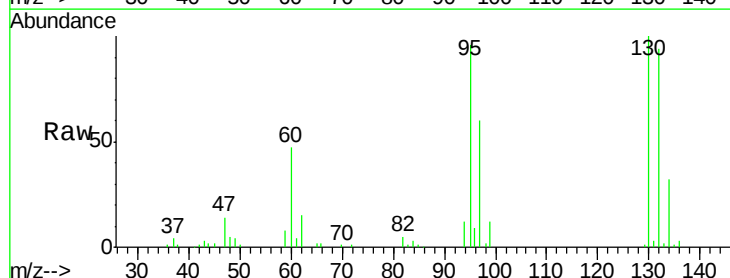
Acq: 13 Jul 2018 01:13

Tgt Ion: 130 Resp: 43210

Ion Ratio Lower Upper

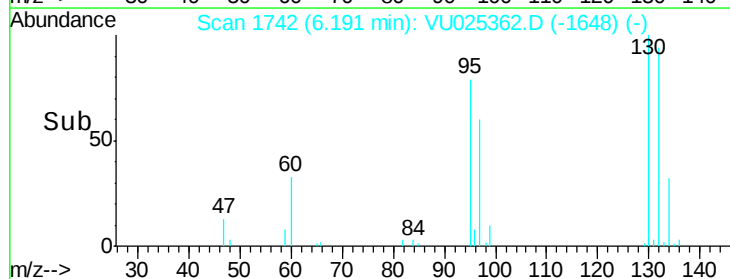
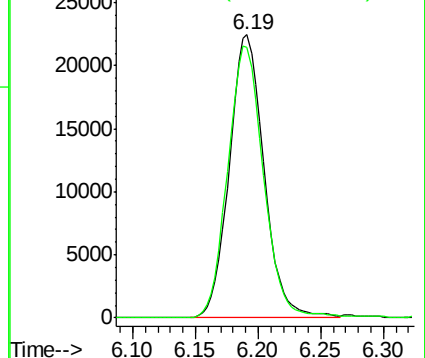
130 100

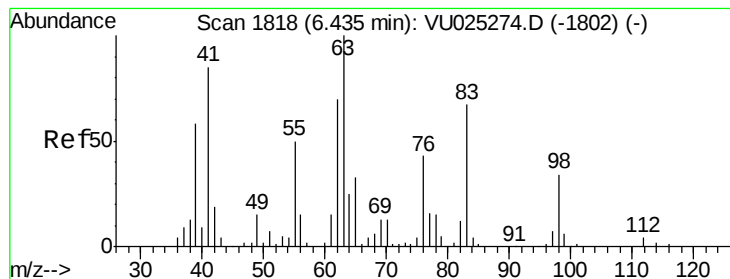
95 95.8 0.0 192.2



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VU0





#45

1,2-Dichloropropane

Concen: 20.66 ug/l

RT: 6.44 min Scan# 1818

Delta R.T. 0.00 min

Lab File: VU025362.D

Acq: 13 Jul 2018 01:13

Instrument :

MSVOA_U

ClientSampleId :

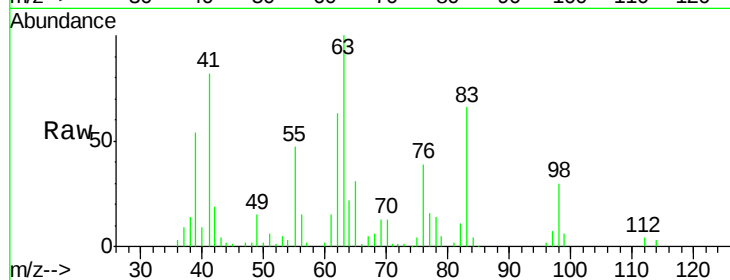
VU0712WBSD03

Tot Ion: 63 Resp: 43616

Ion Ratio Lower Upper

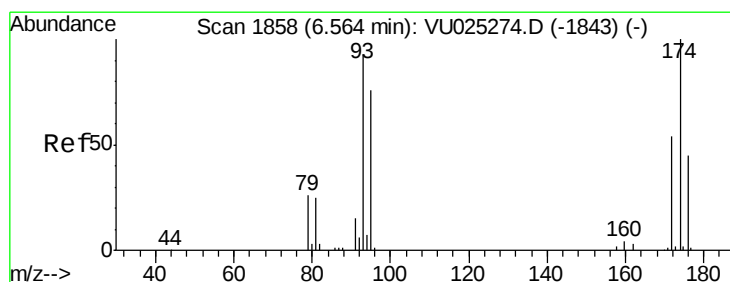
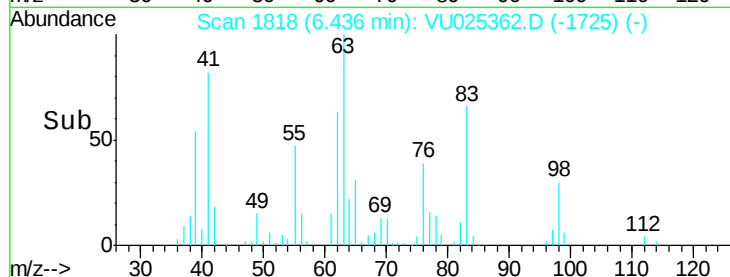
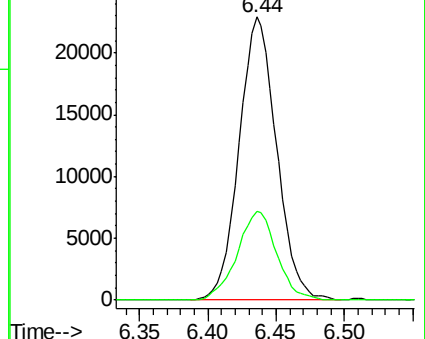
63 100

65 31.2 26.1 39.1



Abundance Ion 62.90 (62.60 to 63.60): VU0

Ion 64.90 (64.60 to 65.60): VU0



#46

Dibromomethane

Concen: 20.49 ug/l

RT: 6.56 min Scan# 1858

Delta R.T. 0.00 min

Lab File: VU025362.D

Acq: 13 Jul 2018 01:13

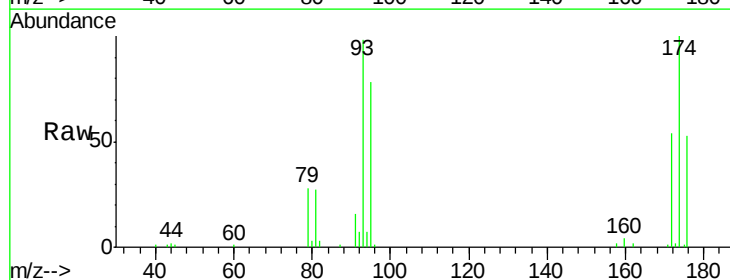
Tgt Ion: 93 Resp: 31479

Ion Ratio Lower Upper

93 100

95 80.8 66.6 100.0

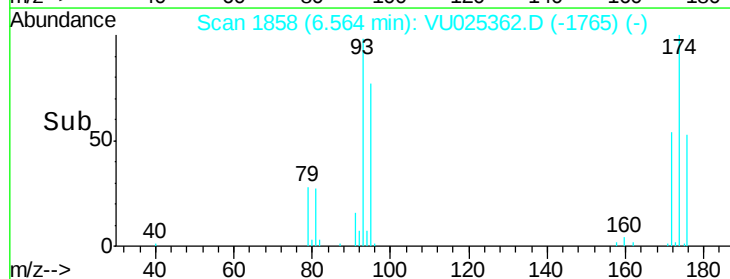
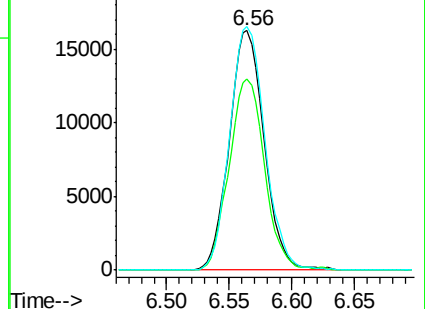
174 102.5 85.8 128.8

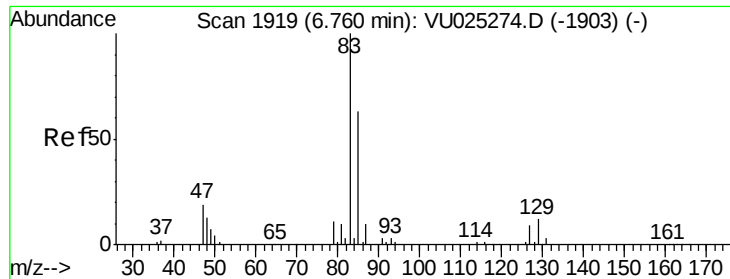


Abundance Ion 92.80 (92.50 to 93.50): VU0

Ion 94.80 (94.50 to 95.50): VU0

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 20.42 ug/l

RT: 6.76 min Scan# 1919

Delta R.T. 0.00 min

Lab File: VU025362.D

Acq: 13 Jul 2018 01:13

Instrument :

MSVOA_U

ClientSampleId :

VU0712WBSD03

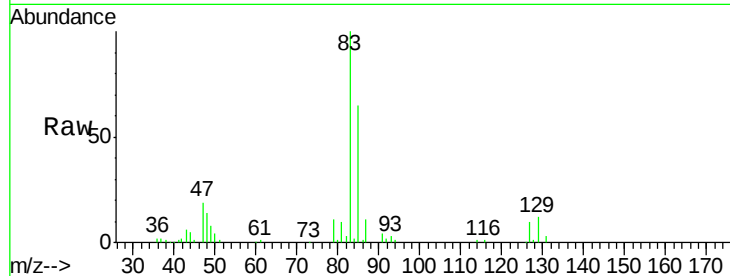
Tot Ion: 83 Resp: 58284

Ion Ratio Lower Upper

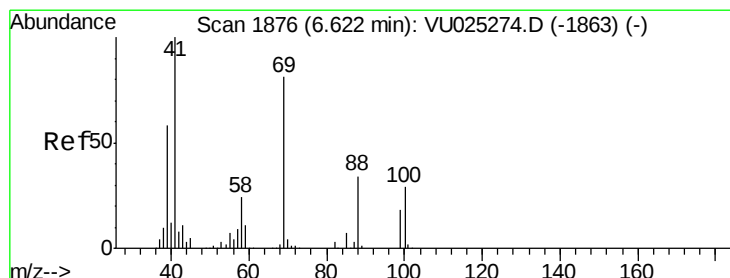
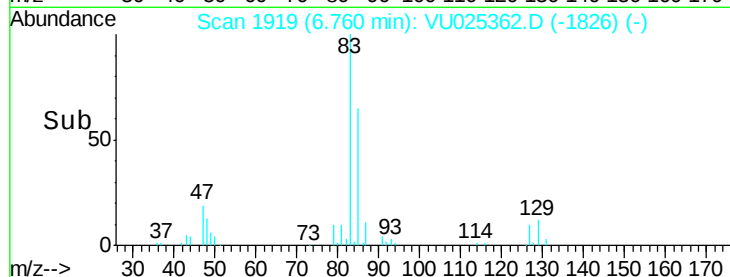
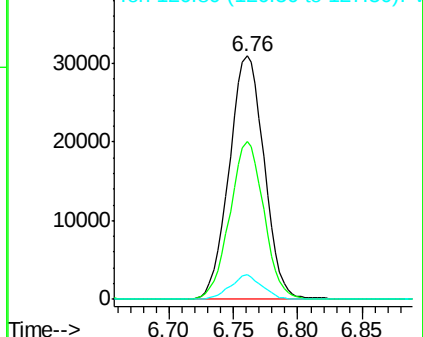
83 100

85 65.0 50.2 75.4

127 10.3 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: 20.70 ug/l

RT: 6.63 min Scan# 1877

Delta R.T. 0.00 min

Lab File: VU025362.D

Acq: 13 Jul 2018 01:13

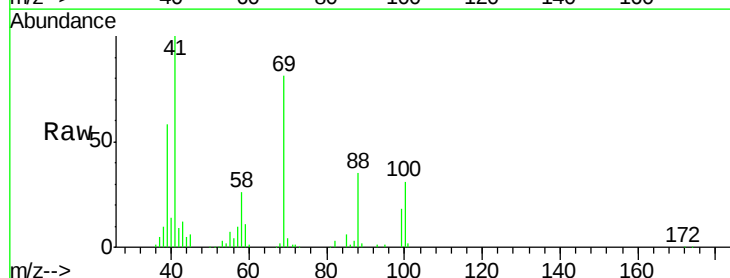
Tgt Ion: 41 Resp: 51542

Ion Ratio Lower Upper

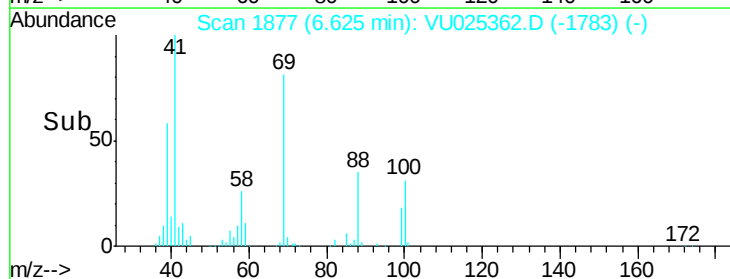
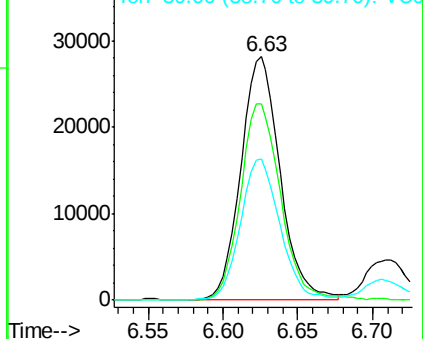
41 100

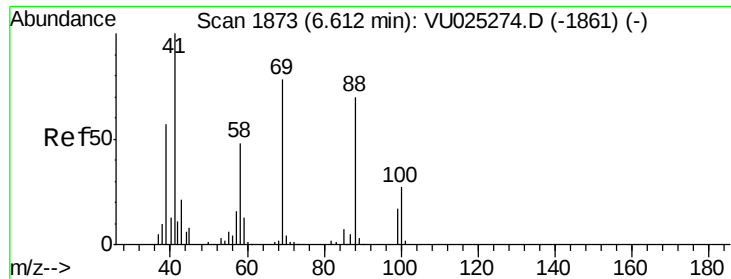
69 82.4 65.0 97.4

39 58.2 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

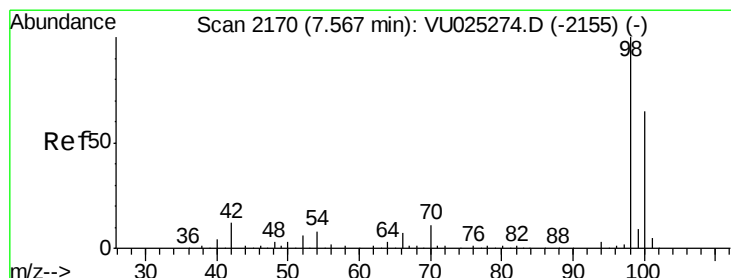
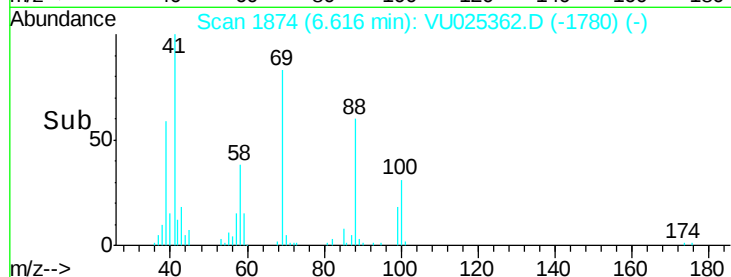
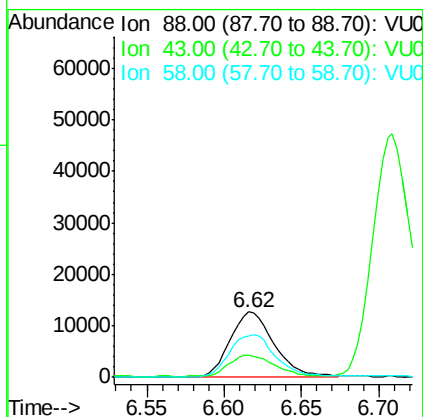
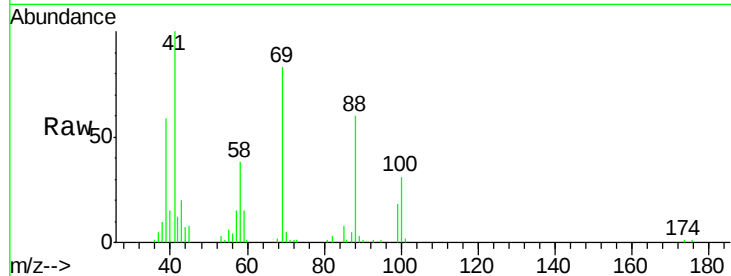




#49
1,4-Dioxane
Concen: 419.71 ug/l
RT: 6.62 min Scan# 1874
Delta R.T. 0.00 min
Lab File: VU025362.D
Acq: 13 Jul 2018 01:13

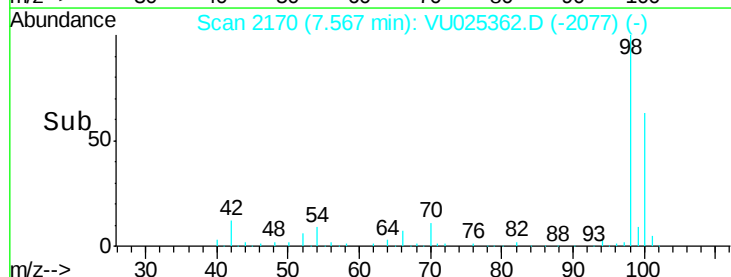
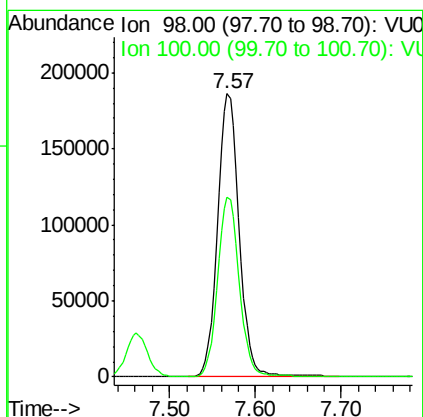
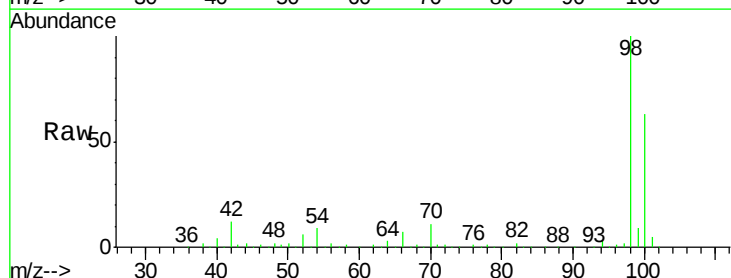
Instrument :
MSVOA_U
ClientSampleId :
VU0712WBSD03

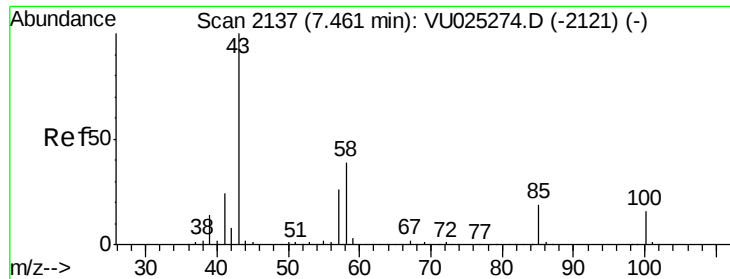
Tot Ion: 88 Resp: 25152
Ion Ratio Lower Upper
88 100
43 33.4 27.3 40.9
58 69.1 57.6 86.4



#50
Toluene-d8
Concen: 44.88 ug/l
RT: 7.57 min Scan# 2170
Delta R.T. 0.00 min
Lab File: VU025362.D
Acq: 13 Jul 2018 01:13

Tgt Ion: 98 Resp: 326235
Ion Ratio Lower Upper
98 100
100 63.6 51.1 76.7





#51

4-Methyl-2-Pentanone

Concen: 102.49 ug/l

RT: 7.46 min Scan# 2137

Delta R.T. 0.00 min

Lab File: VU025362.D

Acq: 13 Jul 2018 01:13

Instrument :

MSVOA_U

ClientSampleId :

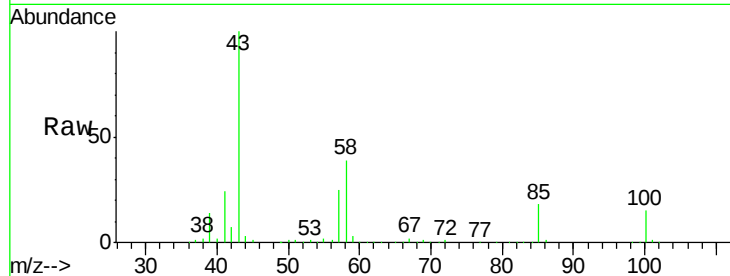
VU0712WBSD03

Tot Ion: 43 Resp: 332780

Ion Ratio Lower Upper

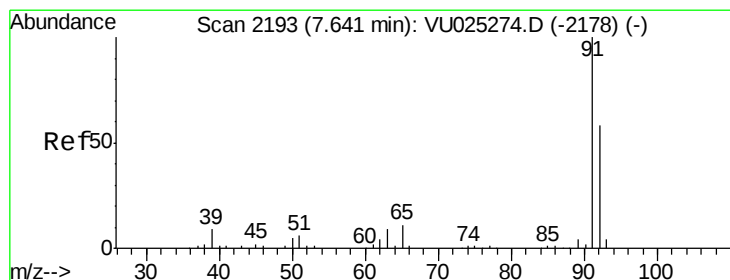
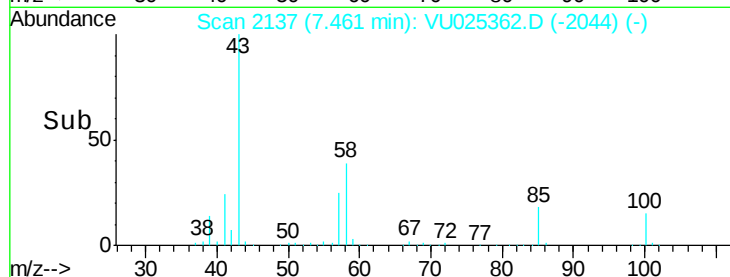
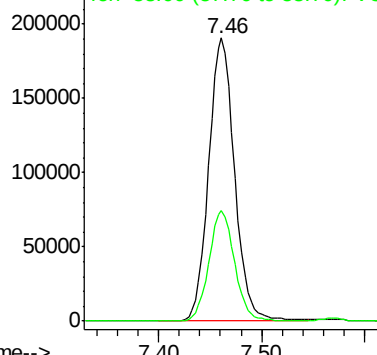
43 100

58 38.8 31.0 46.4



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0



#52

Toluene

Concen: 19.52 ug/l

RT: 7.64 min Scan# 2193

Delta R.T. 0.00 min

Lab File: VU025362.D

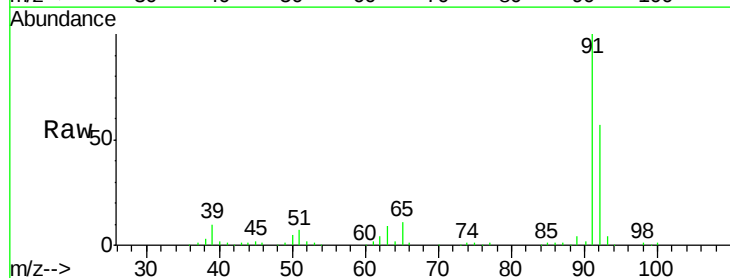
Acq: 13 Jul 2018 01:13

Tgt Ion: 92 Resp: 100091

Ion Ratio Lower Upper

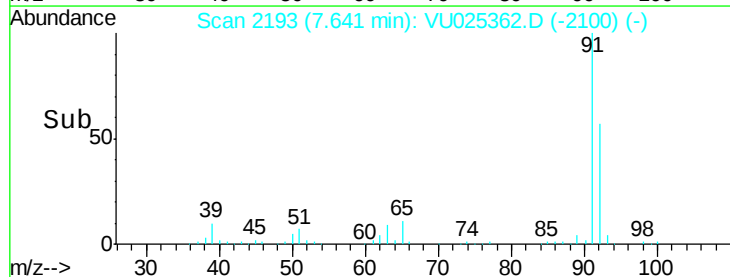
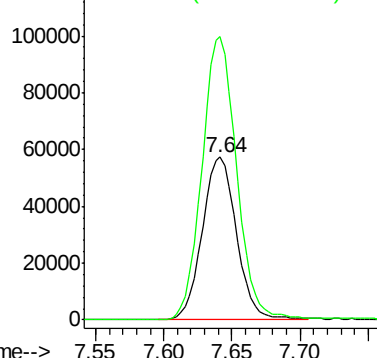
92 100

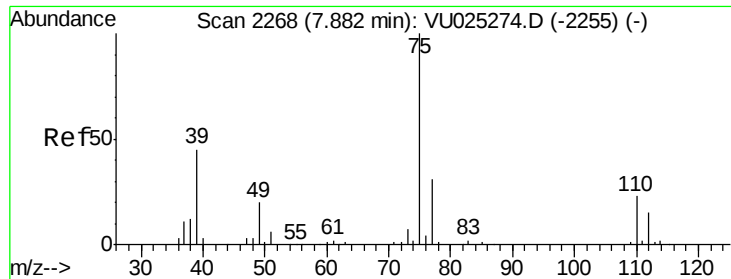
91 175.7 139.2 208.8



Abundance Ion 92.00 (91.70 to 92.70): VU0

Ion 91.00 (90.70 to 91.70): VU0

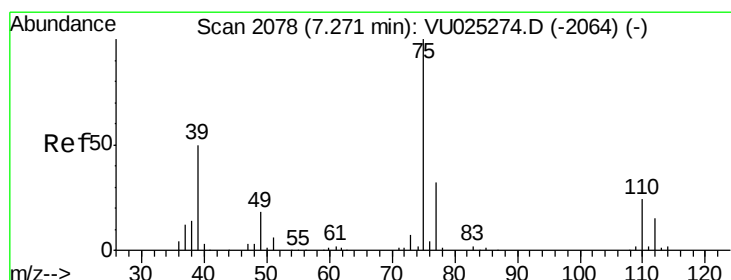
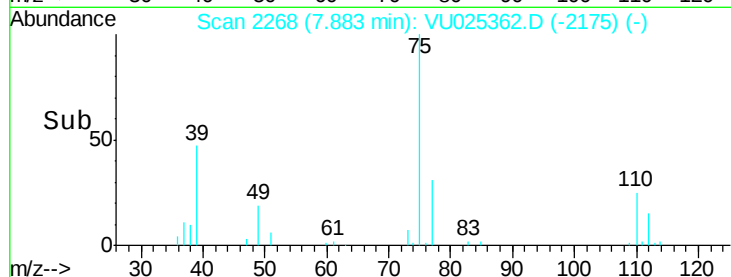
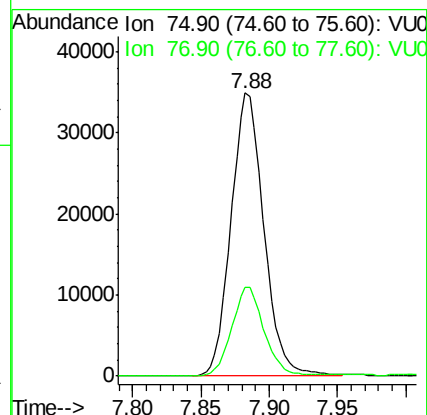
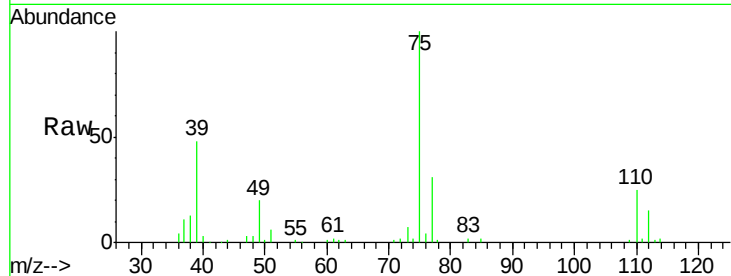




#53
 t-1,3-Dichloropropene
 Concen: 18.64 ug/l
 RT: 7.88 min Scan# 2268
 Delta R.T. 0.00 min
 Lab File: VU025362.D
 Acq: 13 Jul 2018 01:13

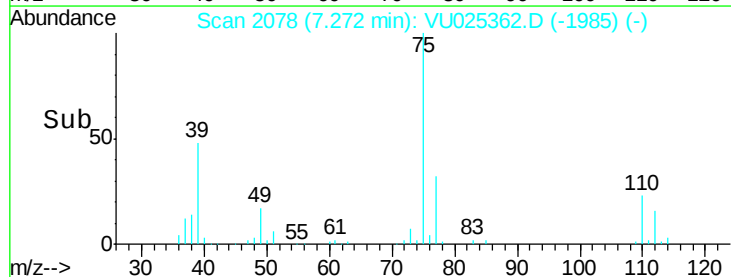
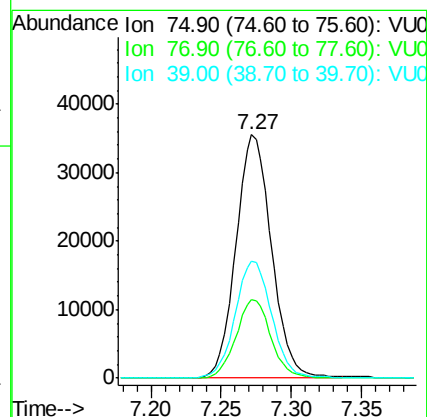
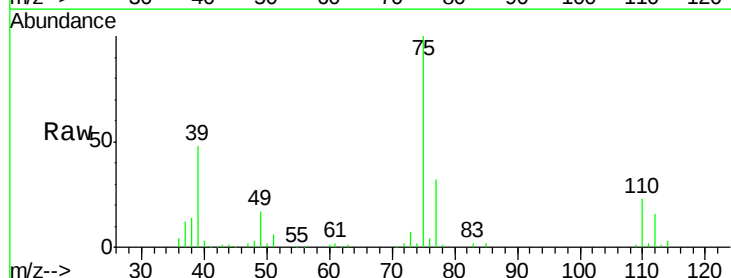
Instrument :
 MSVOA_U
 ClientSampleId :
 VU0712WBSD03

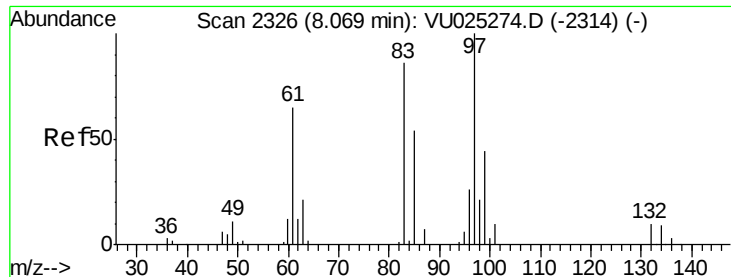
Tot Ion: 75 Resp: 58468
 Ion Ratio Lower Upper
 75 100
 77 31.4 24.5 36.7



#54
 cis-1,3-Dichloropropene
 Concen: 18.83 ug/l
 RT: 7.27 min Scan# 2078
 Delta R.T. 0.00 min
 Lab File: VU025362.D
 Acq: 13 Jul 2018 01:13

Tgt Ion: 75 Resp: 62845
 Ion Ratio Lower Upper
 75 100
 77 32.1 25.6 38.4
 39 48.1 40.0 60.0

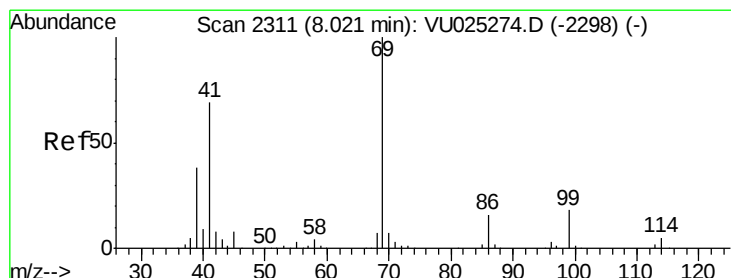
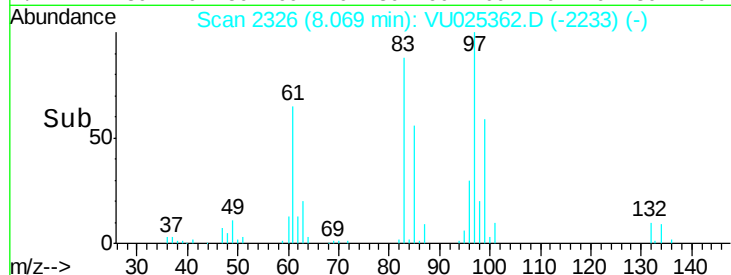
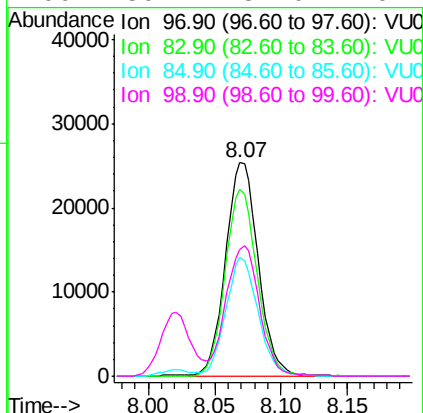
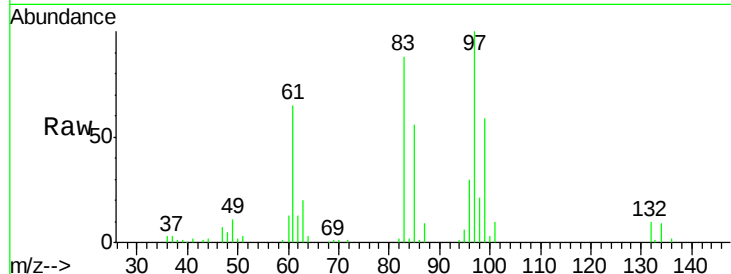




#55
 1,1,2-Trichloroethane
 Concen: 20.42 ug/l
 RT: 8.07 min Scan# 2326
 Delta R.T. 0.00 min
 Lab File: VU025362.D
 Acq: 13 Jul 2018 01:13

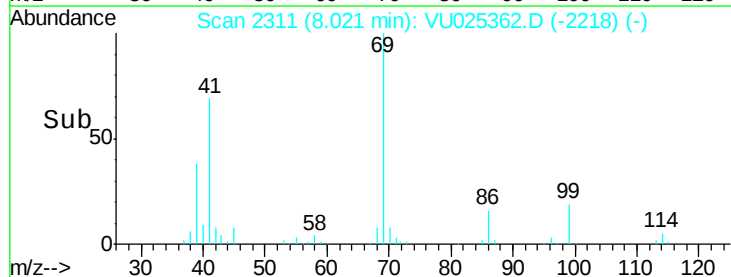
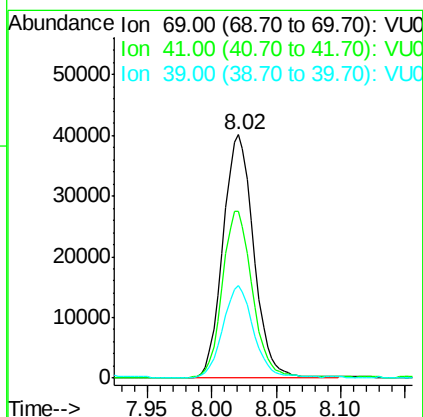
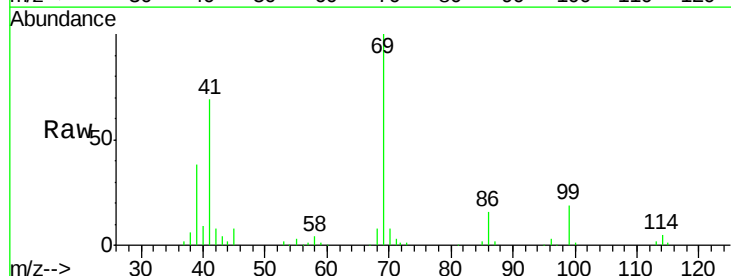
Instrument :
 MSVOA_U
 ClientSampleId :
 VU0712WBSD03

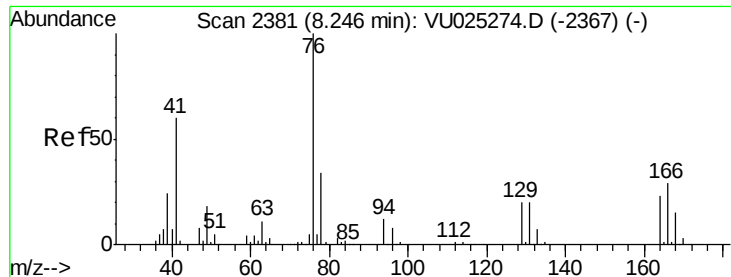
Tot Ion:	97	Resp:	43622
Ion	Ratio	Lower	Upper
97	100		
83	87.6	68.9	103.3
85	55.8	44.4	66.6
99	59.1	51.0	76.4



#56
 Ethyl methacrylate
 Concen: 19.97 ug/l
 RT: 8.02 min Scan# 2311
 Delta R.T. 0.00 min
 Lab File: VU025362.D
 Acq: 13 Jul 2018 01:13

Tgt Ion:	69	Resp:	66619
Ion	Ratio	Lower	Upper
69	100		
41	67.1	54.8	82.2
39	37.3	31.1	46.7

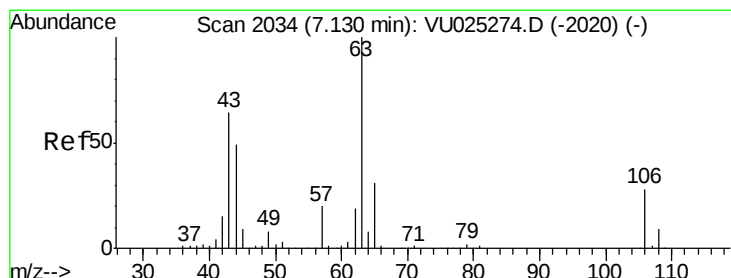
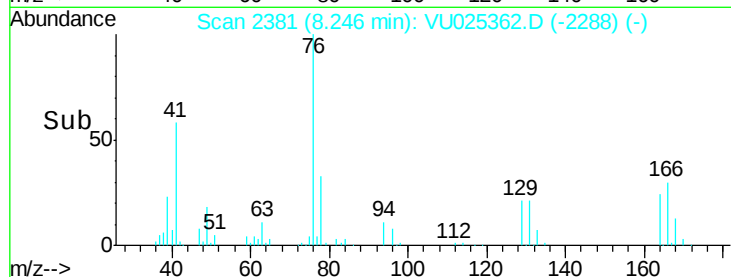
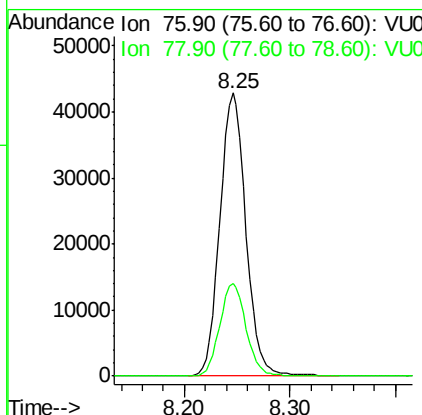
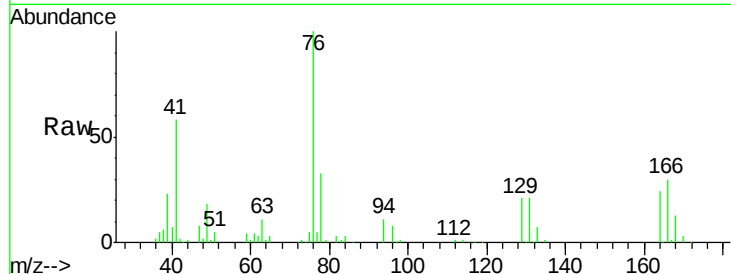




#57
 1,3-Dichloropropane
 Concen: 20.65 ug/l
 RT: 8.25 min Scan# 2381
 Delta R.T. 0.00 min
 Lab File: VU025362.D
 Acq: 13 Jul 2018 01:13

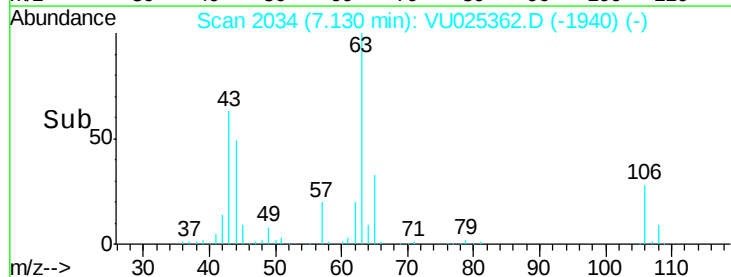
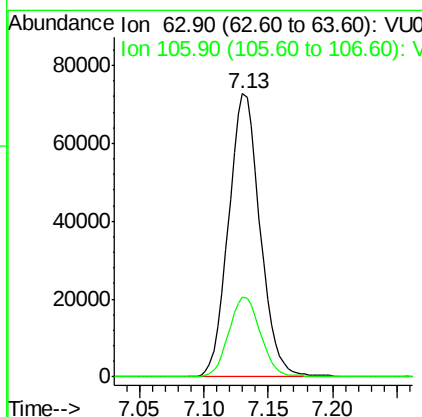
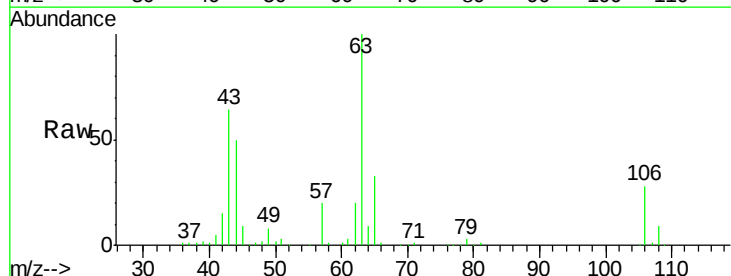
Instrument :
 MSVOA_U
 ClientSampleId :
 VU0712WBSD03

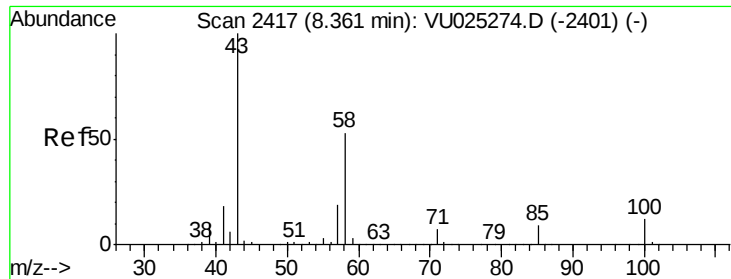
Tot Ion: 76 Resp: 73239
 Ion Ratio Lower Upper
 76 100
 78 32.9 26.1 39.1



#58
 2-Chloroethyl Vinyl ether
 Concen: 83.23 ug/l
 RT: 7.13 min Scan# 2034
 Delta R.T. 0.00 min
 Lab File: VU025362.D
 Acq: 13 Jul 2018 01:13

Tgt Ion: 63 Resp: 123758
 Ion Ratio Lower Upper
 63 100
 106 28.4 22.3 33.5

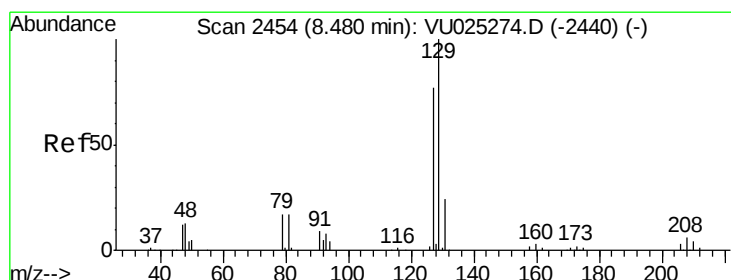
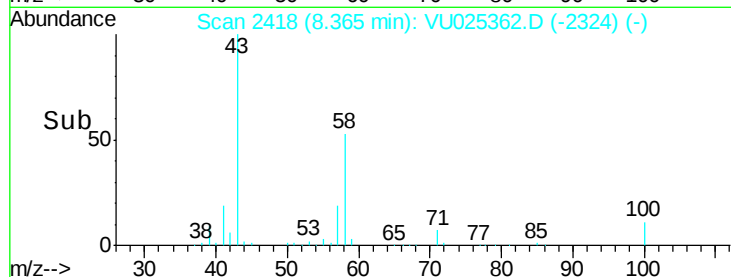
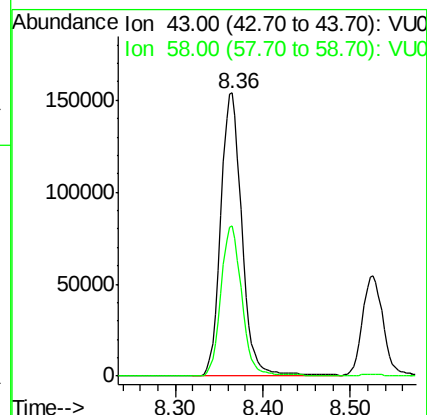
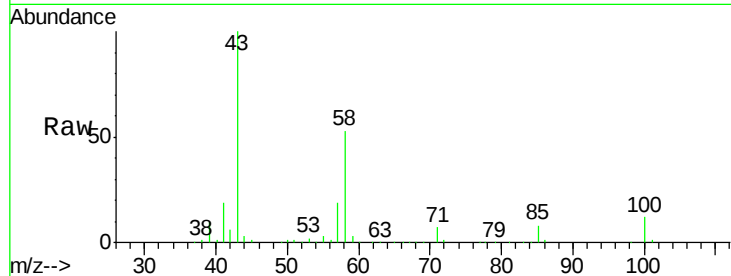




#59
2-Hexanone
Concen: 98.70 ug/l
RT: 8.36 min Scan# 2418
Delta R.T. 0.00 min
Lab File: VU025362.D
Acq: 13 Jul 2018 01:13

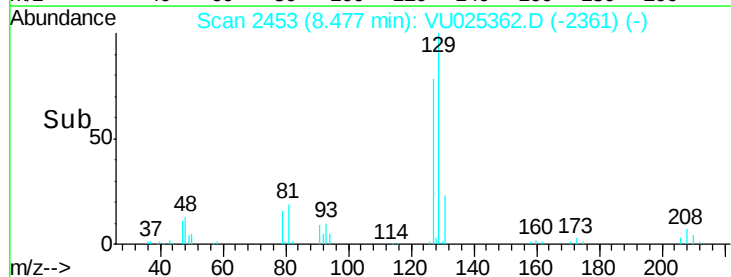
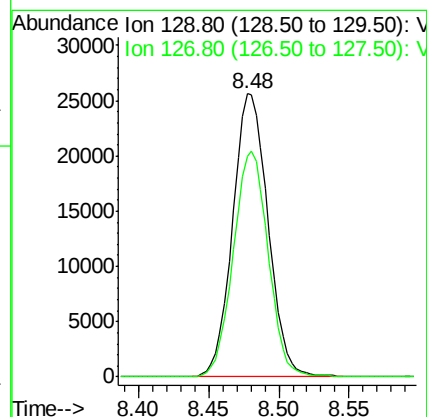
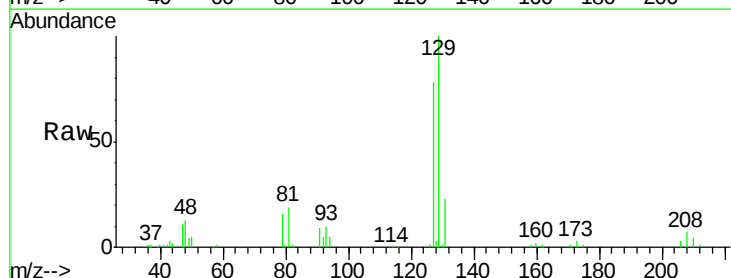
Instrument :
MSVOA_U
ClientSampleId :
VU0712WBSD03

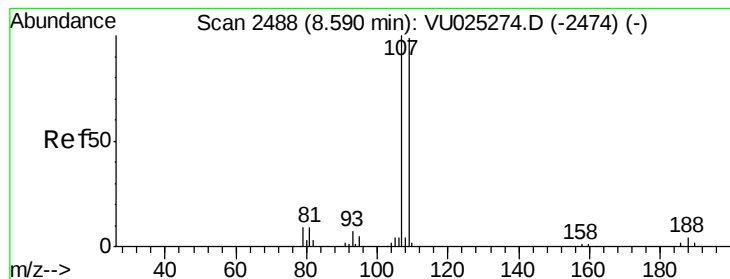
Tot Ion: 43 Resp: 259960
Ion Ratio Lower Upper
43 100
58 52.6 26.2 78.5



#60
Dibromochloromethane
Concen: 19.47 ug/l
RT: 8.48 min Scan# 2453
Delta R.T. -0.00 min
Lab File: VU025362.D
Acq: 13 Jul 2018 01:13

Tgt Ion: 129 Resp: 44917
Ion Ratio Lower Upper
129 100
127 78.8 38.6 115.8





#61

1,2-Dibromoethane

Concen: 20.16 ug/l

RT: 8.59 min Scan# 2488

Delta R.T. 0.00 min

Lab File: VU025362.D

Acq: 13 Jul 2018 01:13

Instrument :

MSVOA_U

ClientSampleId :

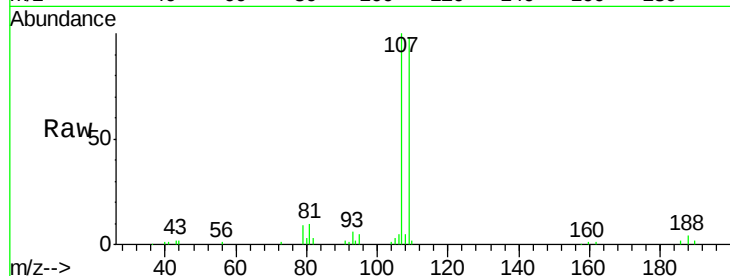
VU0712WBSD03

Tot Ion:107 Resp: 46077

Ion Ratio Lower Upper

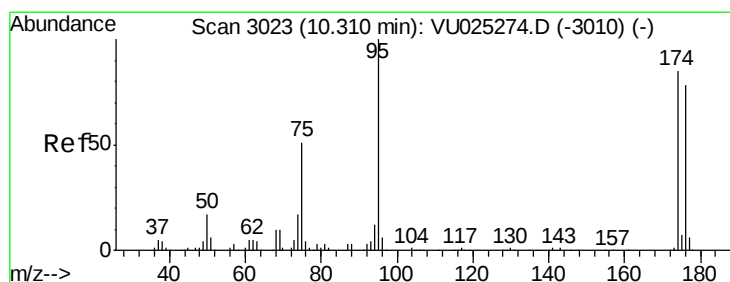
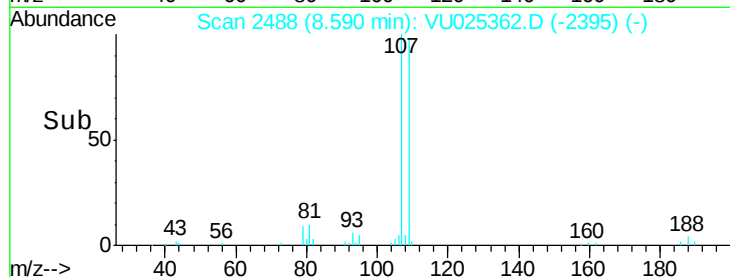
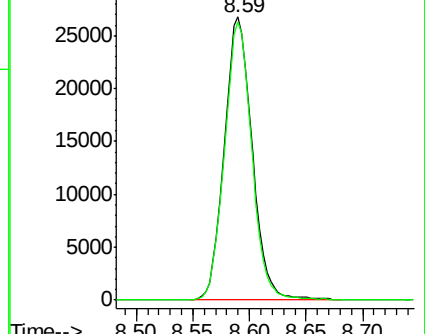
107 100

109 96.2 75.8 113.8



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 44.82 ug/l

RT: 10.31 min Scan# 3023

Delta R.T. 0.00 min

Lab File: VU025362.D

Acq: 13 Jul 2018 01:13

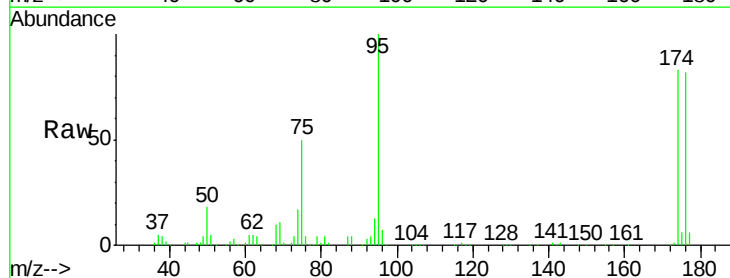
Tgt Ion: 95 Resp: 131147

Ion Ratio Lower Upper

95 100

174 84.5 0.0 172.2

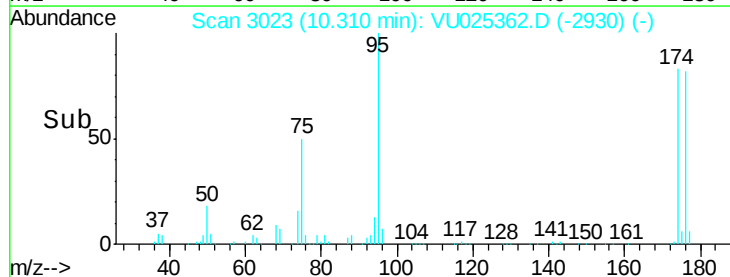
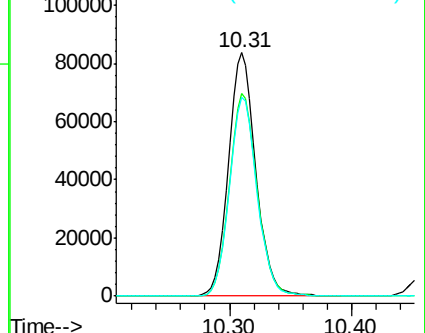
176 82.7 0.0 162.6

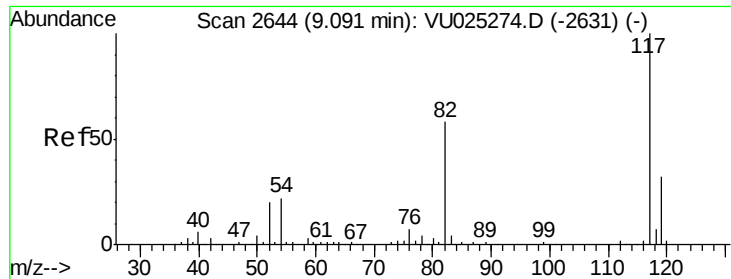


Abundance Ion 94.90 (94.60 to 95.60): VU0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

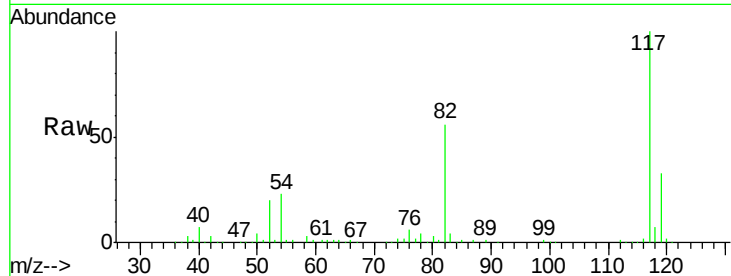




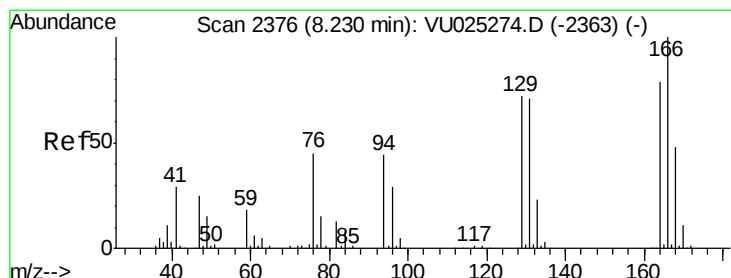
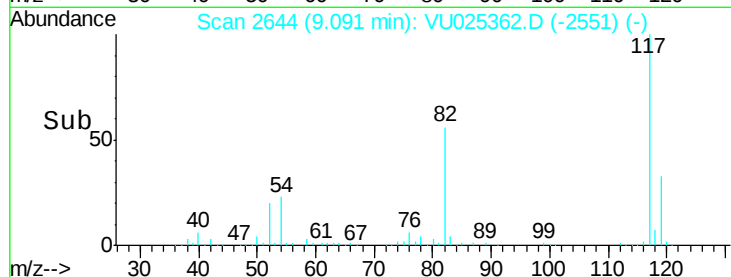
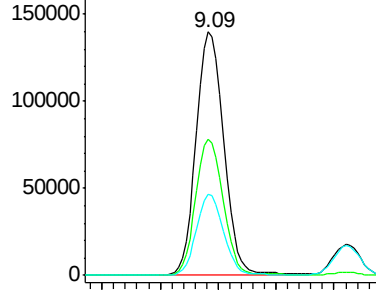
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 9.09 min Scan# 2644
Delta R.T. 0.00 min
Lab File: VU025362.D
Acq: 13 Jul 2018 01:13

Instrument :
MSVOA_U
ClientSampleId :
VU0712WBSD03

Tot Ion:117 Resp: 232012
Ion Ratio Lower Upper
117 100
82 56.1 46.0 69.0
119 33.2 26.0 39.0

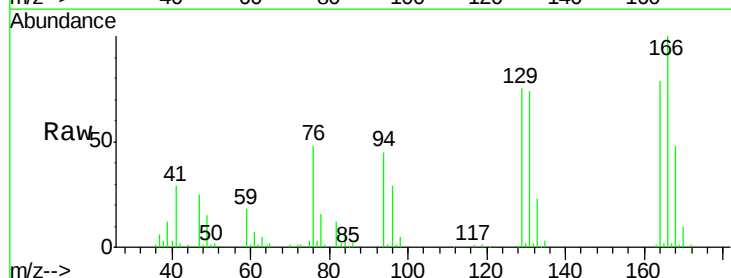


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

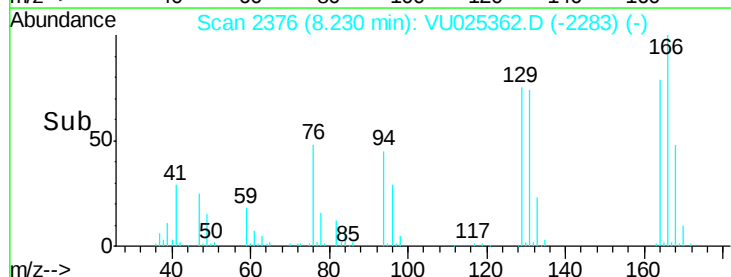
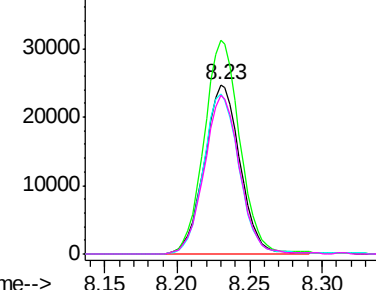


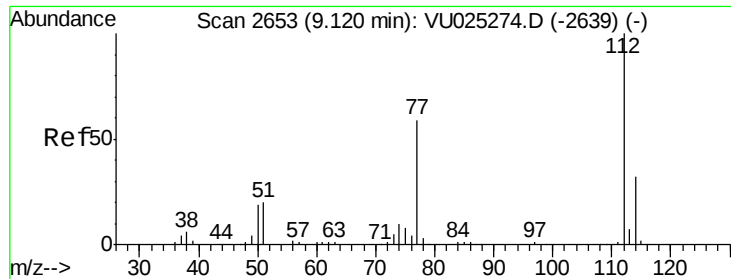
#64
Tetrachloroethene
Concen: 19.99 ug/l
RT: 8.23 min Scan# 2376
Delta R.T. 0.00 min
Lab File: VU025362.D
Acq: 13 Jul 2018 01:13

Tgt Ion:164 Resp: 42287
Ion Ratio Lower Upper
164 100
166 126.3 101.1 151.7
129 94.9 73.0 109.6
131 93.6 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

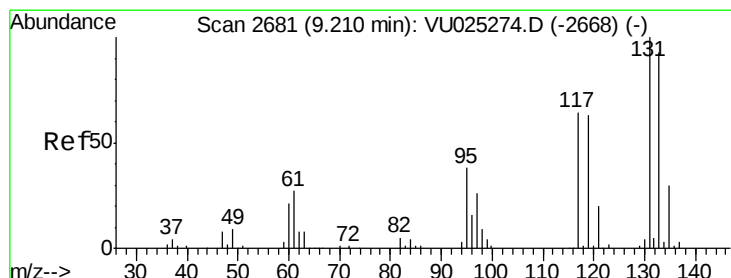
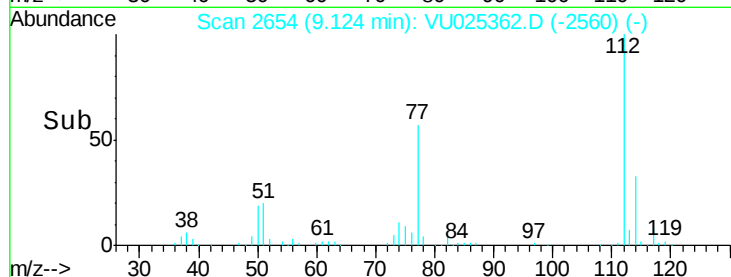
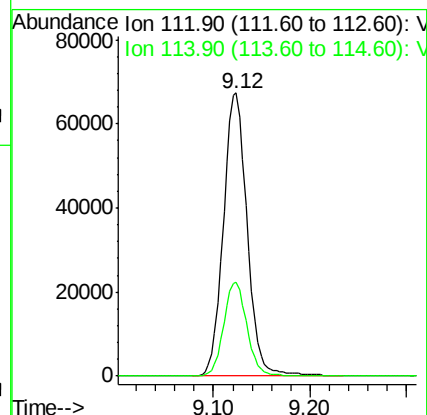
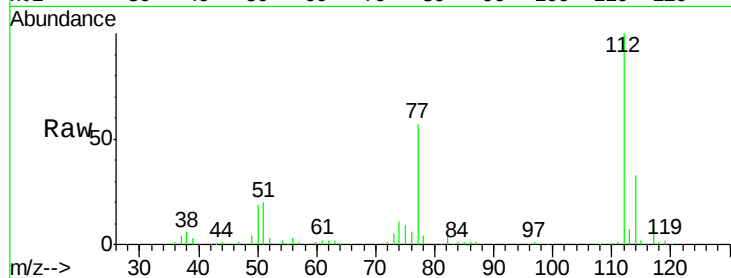




#65
Chlorobenzene
Concen: 19.87 ug/l
RT: 9.12 min Scan# 2654
Delta R.T. 0.00 min
Lab File: VU025362.D
Acq: 13 Jul 2018 01:13

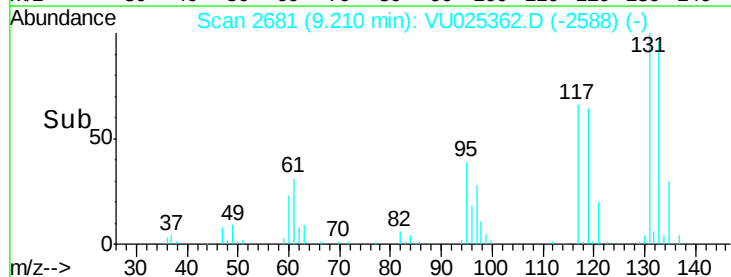
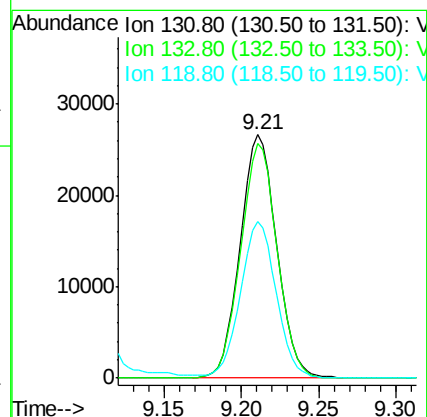
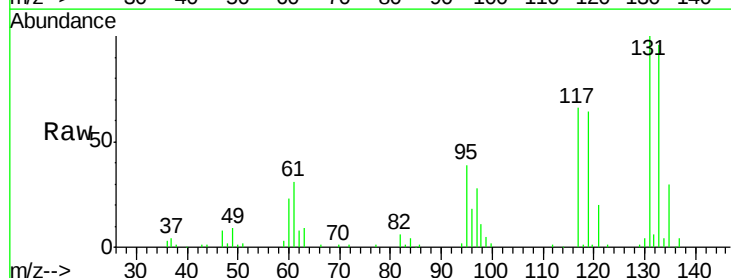
Instrument :
MSVOA_U
ClientSampleId :
VU0712WBSD03

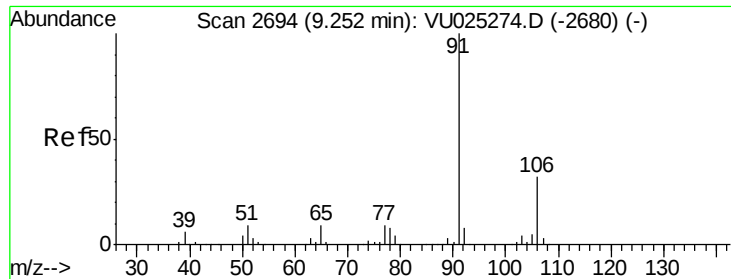
Tot Ion:112 Resp: 115156
Ion Ratio Lower Upper
112 100
114 33.3 25.8 38.8



#66
1,1,1,2-Tetrachloroethane
Concen: 21.05 ug/l
RT: 9.21 min Scan# 2681
Delta R.T. 0.00 min
Lab File: VU025362.D
Acq: 13 Jul 2018 01:13

Tgt Ion:131 Resp: 43652
Ion Ratio Lower Upper
131 100
133 96.0 47.8 143.3
119 63.1 31.6 95.0





#67

Ethyl Benzene

Concen: 19.86 ug/l

RT: 9.25 min Scan# 2694

Delta R.T. 0.00 min

Lab File: VU025362.D

Acq: 13 Jul 2018 01:13

Instrument :

MSVOA_U

ClientSampleId :

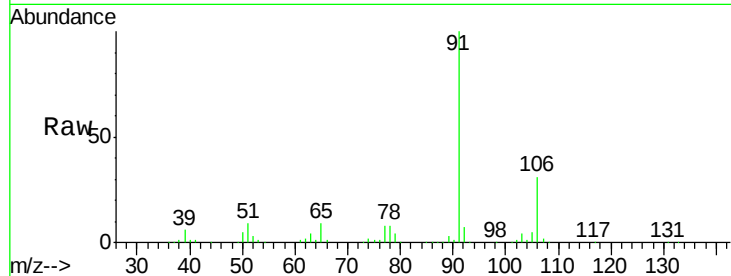
VU0712WBSD03

Tot Ion: 91 Resp: 196246

Ion Ratio Lower Upper

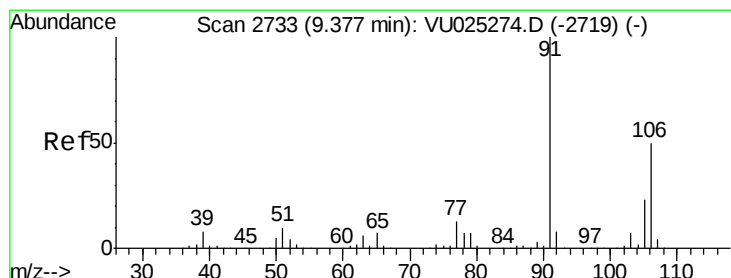
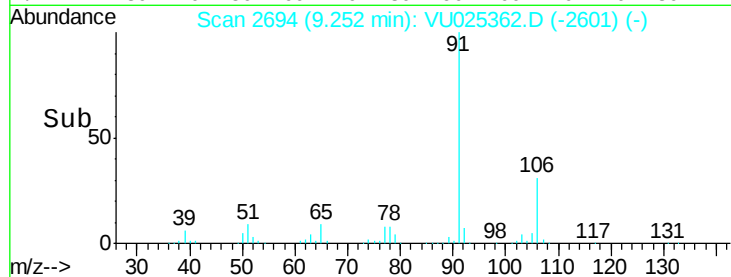
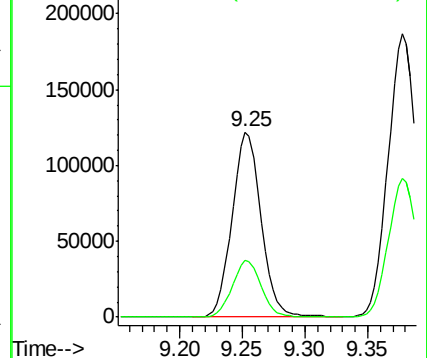
91 100

106 30.7 25.3 37.9



Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 106.00 (105.70 to 106.70): V



#68

m/p-Xylenes

Concen: 40.07 ug/l

RT: 9.38 min Scan# 2733

Delta R.T. 0.00 min

Lab File: VU025362.D

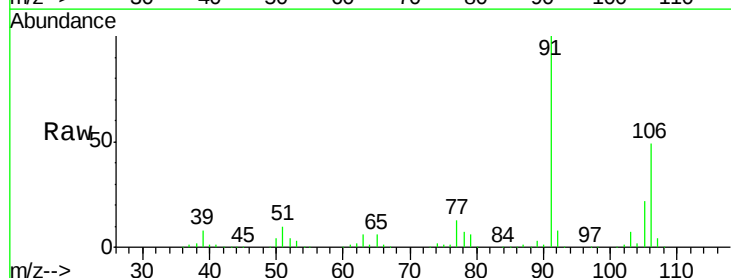
Acq: 13 Jul 2018 01:13

Tgt Ion: 106 Resp: 153055

Ion Ratio Lower Upper

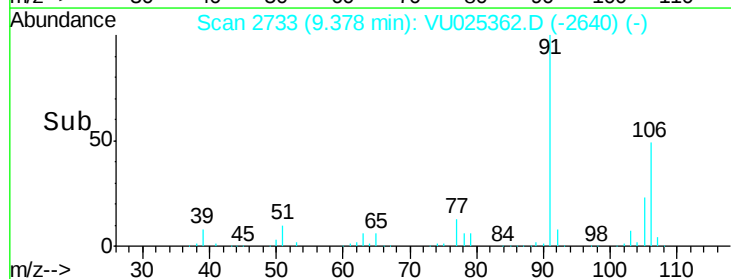
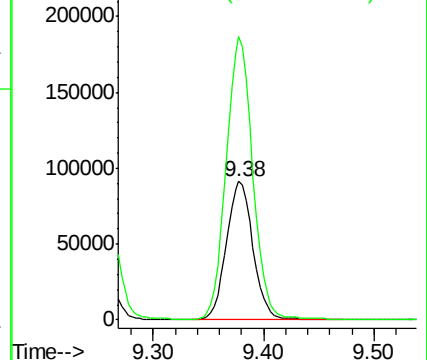
106 100

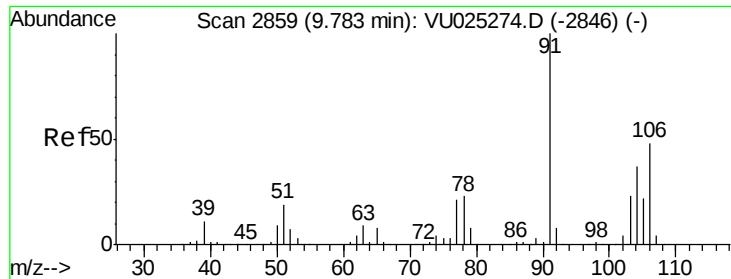
91 201.4 162.3 243.5



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0

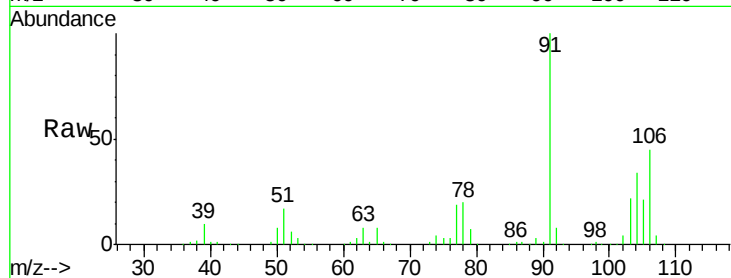




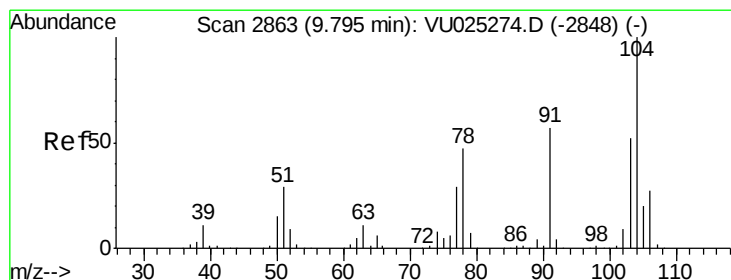
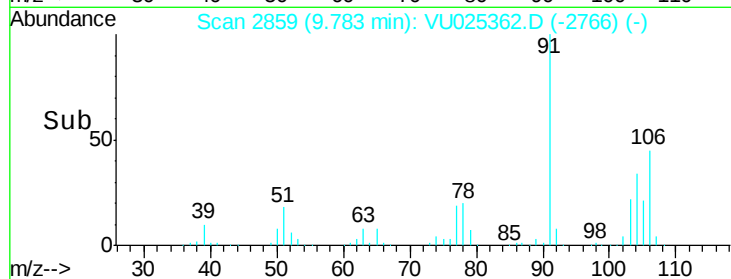
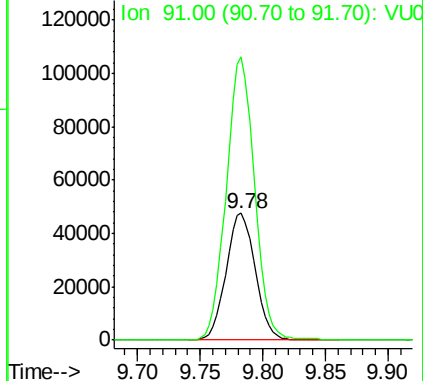
#69
o-Xylene
Concen: 20.09 ug/l
RT: 9.78 min Scan# 2859
Delta R.T. 0.00 min
Lab File: VU025362.D
Acq: 13 Jul 2018 01:13

Instrument :
MSVOA_U
ClientSampleId :
VU0712WBSD03

Tot Ion:106 Resp: 76851
Ion Ratio Lower Upper
106 100
91 215.9 105.3 315.8

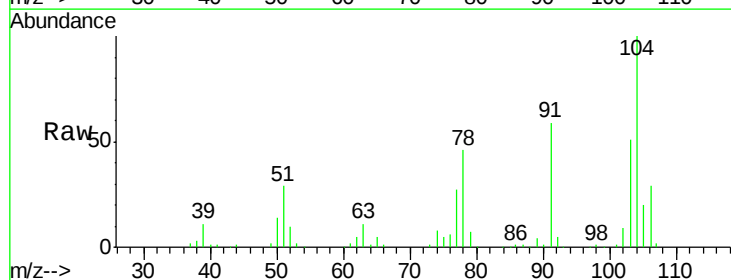


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VU0

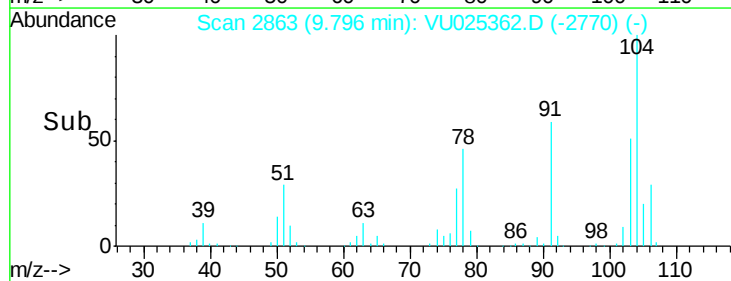
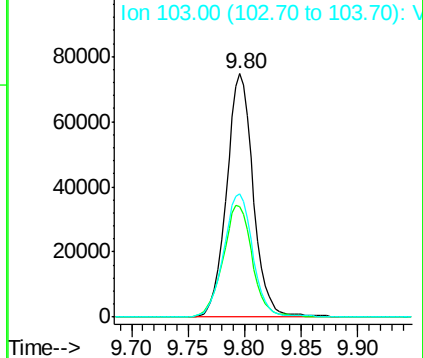


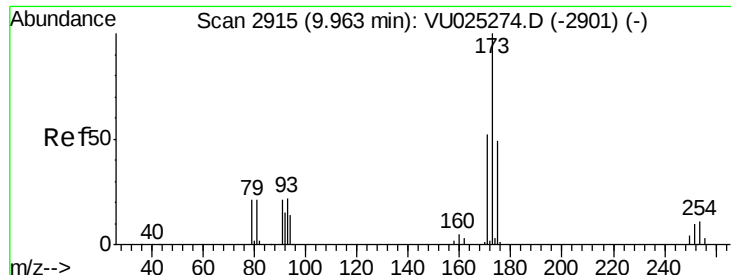
#70
Styrene
Concen: 20.17 ug/l
RT: 9.80 min Scan# 2863
Delta R.T. 0.00 min
Lab File: VU025362.D
Acq: 13 Jul 2018 01:13

Tgt Ion:104 Resp: 122512
Ion Ratio Lower Upper
104 100
78 50.8 41.6 62.4
103 54.8 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: 20.16 ug/l

RT: 9.96 min Scan# 2915

Delta R.T. 0.00 min

Lab File: VU025362.D

Acq: 13 Jul 2018 01:13

Instrument :

MSVOA_U

ClientSampleId :

VU0712WBSD03

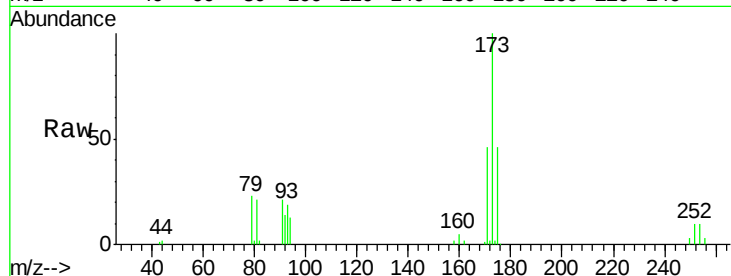
Tot Ion:173 Resp: 34362

Ion Ratio Lower Upper

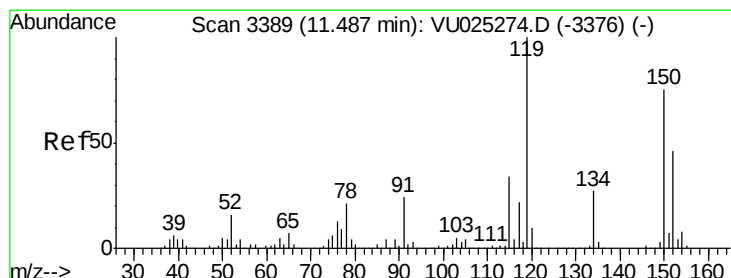
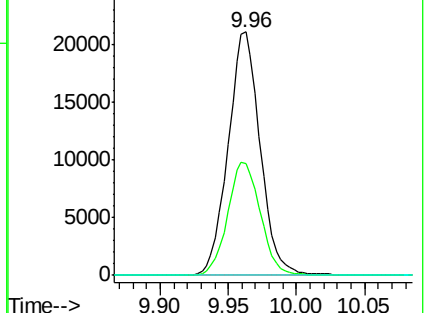
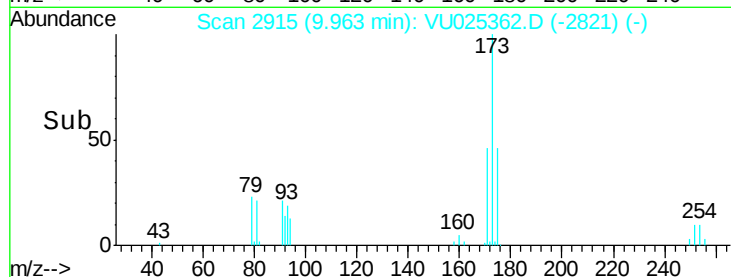
173 100

175 47.3 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: VU025362.D

Acq: 13 Jul 2018 01:13

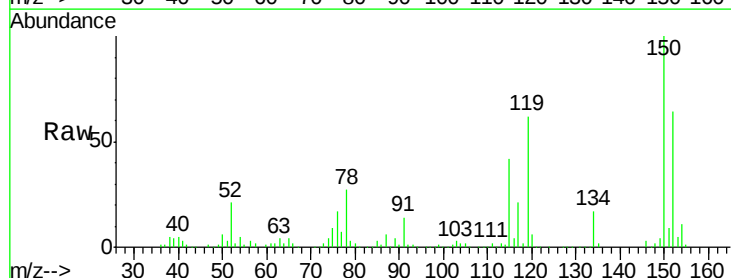
Tgt Ion:152 Resp: 131390

Ion Ratio Lower Upper

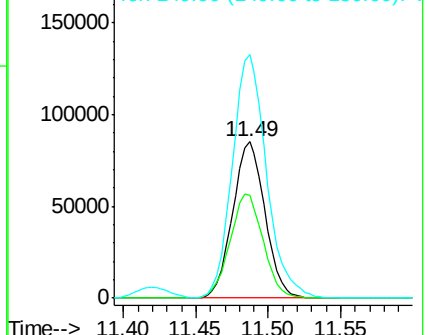
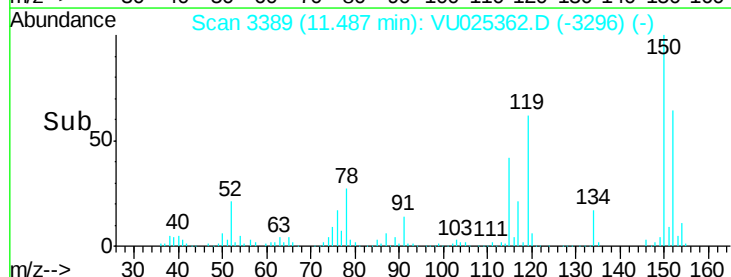
152 100

115 68.2 40.1 120.3

150 164.6 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: 20.61 ug/l

RT: 10.17 min Scan# 2979

Delta R.T. 0.00 min

Lab File: VU025362.D

Acq: 13 Jul 2018 01:13

Instrument :

MSVOA_U

ClientSampleId :

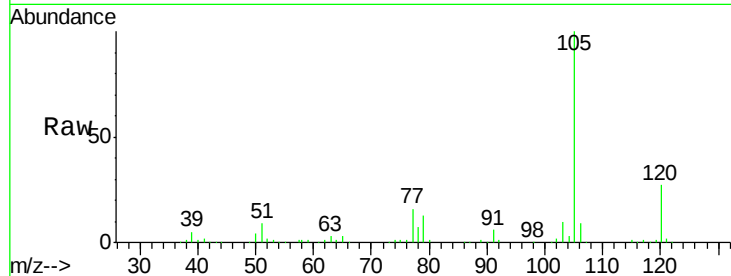
VU0712WBSD03

Tot Ion:105 Resp: 206867

Ion Ratio Lower Upper

105 100

120 26.6 13.5 40.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

150000

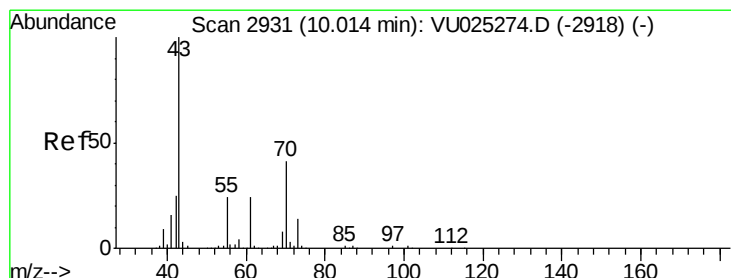
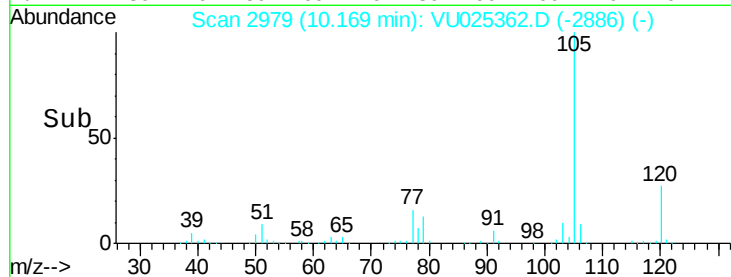
10.17

100000

50000

0

Time-->



#74

N-ethyl acetate

Concen: 21.71 ug/l

RT: 10.01 min Scan# 2931

Delta R.T. 0.00 min

Lab File: VU025362.D

Acq: 13 Jul 2018 01:13

Tgt Ion: 43 Resp: 86203

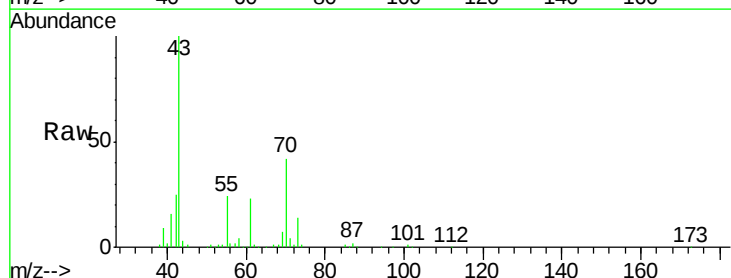
Ion Ratio Lower Upper

43 100

70 41.7 33.4 50.2

55 23.9 19.0 28.6

61 23.0 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

80000

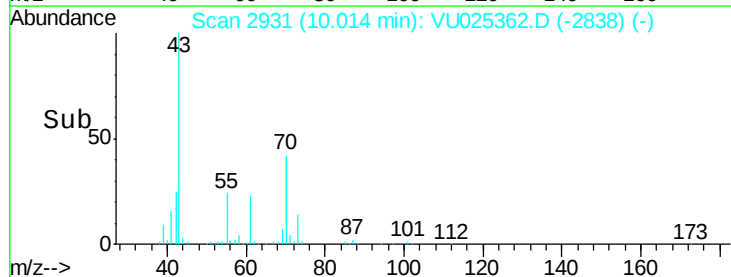
60000

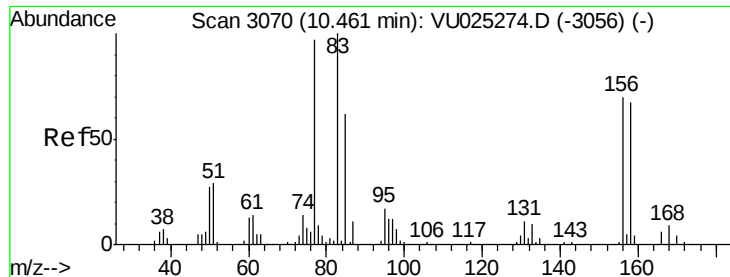
40000

20000

0

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 21.16 ug/l

RT: 10.46 min Scan# 3070

Delta R.T. 0.00 min

Lab File: VU025362.D

Acq: 13 Jul 2018 01:13

Instrument :

MSVOA_U

ClientSampleId :

VU0712WBSD03

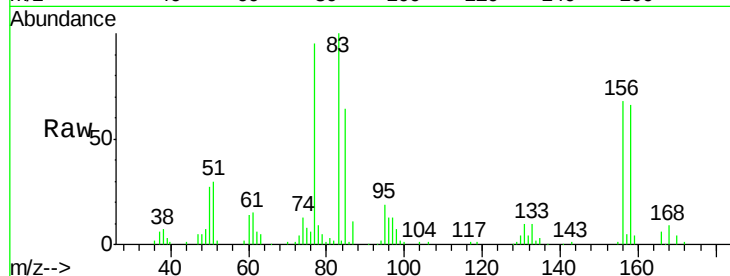
Tot Ion: 83 Resp: 69481

Ion Ratio Lower Upper

83 100

131 10.5 5.5 16.4

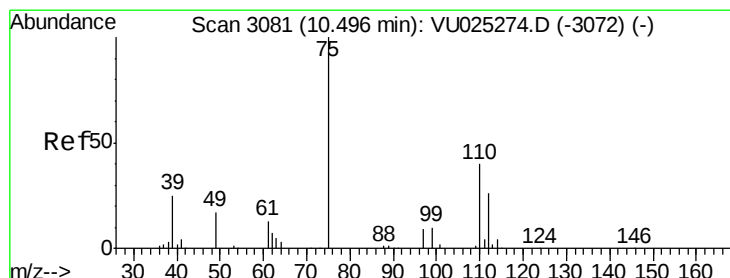
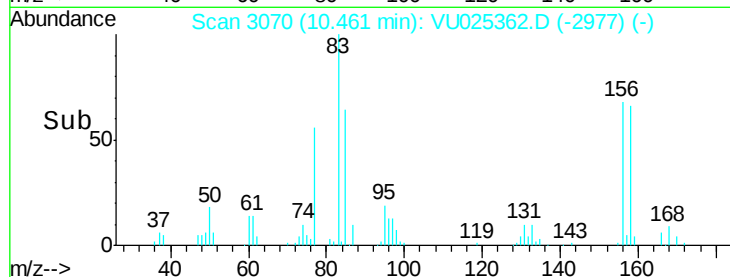
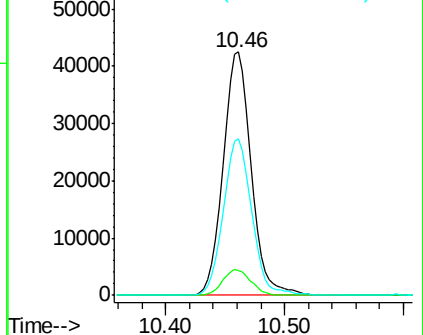
85 64.9 31.6 94.8



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: 29.29 ug/l

RT: 10.50 min Scan# 3081

Delta R.T. 0.00 min

Lab File: VU025362.D

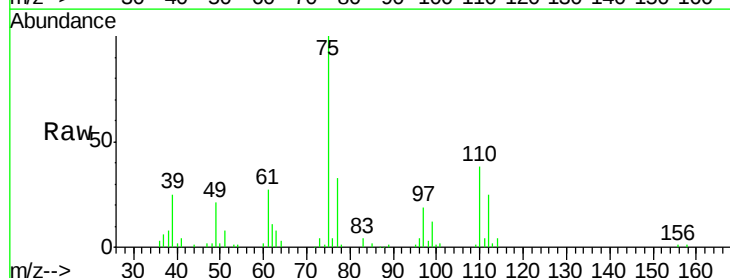
Acq: 13 Jul 2018 01:13

Tgt Ion: 75 Resp: 78447

Ion Ratio Lower Upper

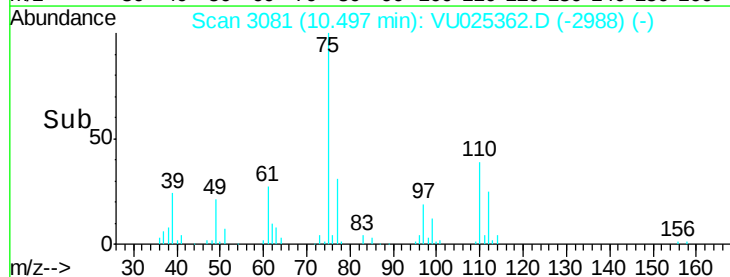
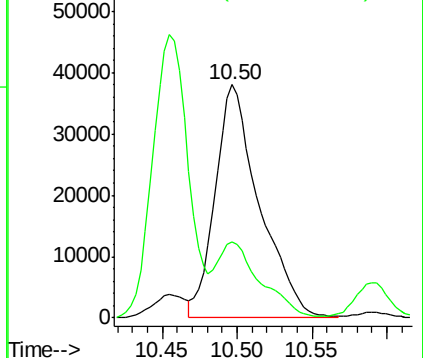
75 100

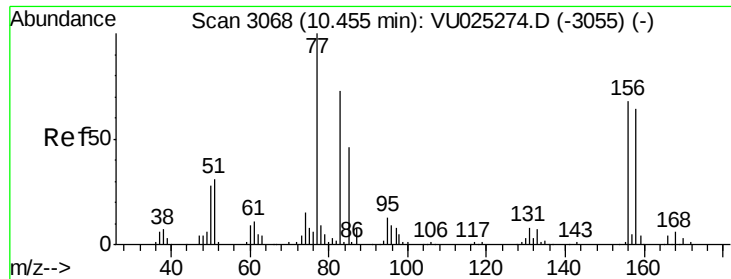
77 30.6 20.4 61.3



Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 77.00 (76.70 to 77.70): VU0





#77

Bromobenzene

Concen: 20.55 ug/l

RT: 10.45 min Scan# 3068

Delta R.T. 0.00 min

Lab File: VU025362.D

Acq: 13 Jul 2018 01:13

Instrument :

MSVOA_U

ClientSampleId :

VU0712WBSD03

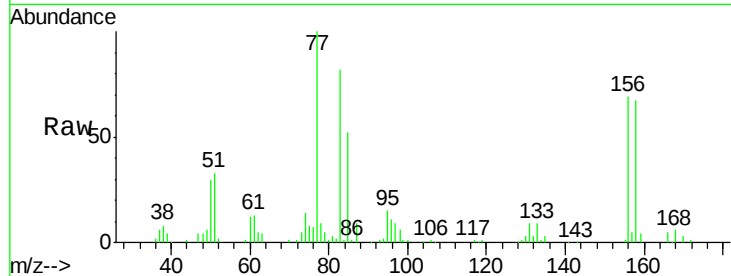
Tot Ion:156 Resp: 52774

Ion Ratio Lower Upper

156 100

77 144.4 73.8 221.4

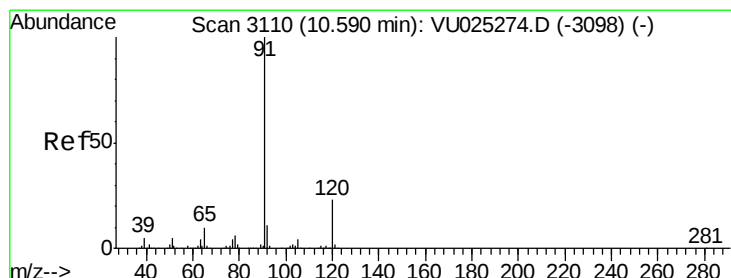
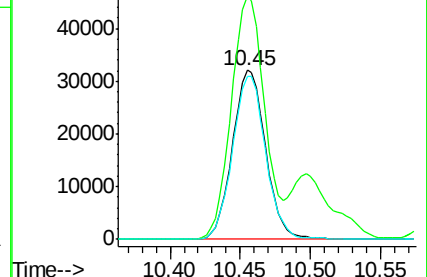
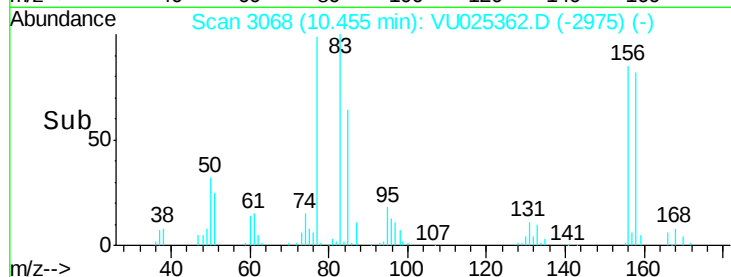
158 96.9 48.0 144.0



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: 20.12 ug/l

RT: 10.59 min Scan# 3110

Delta R.T. 0.00 min

Lab File: VU025362.D

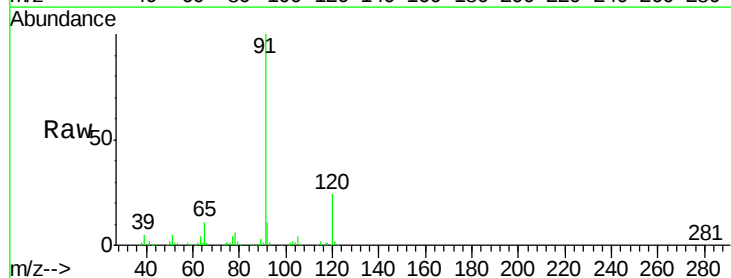
Acq: 13 Jul 2018 01:13

Tgt Ion: 91 Resp: 224188

Ion Ratio Lower Upper

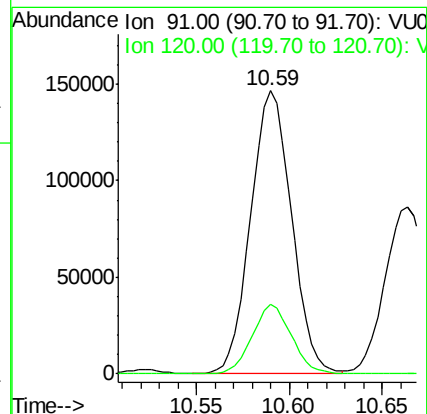
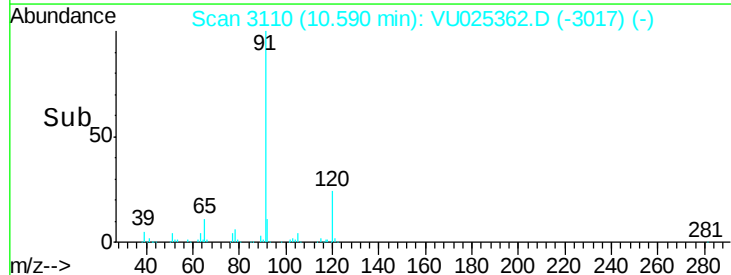
91 100

120 23.5 11.8 35.3



Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 120.00 (119.70 to 120.70): V

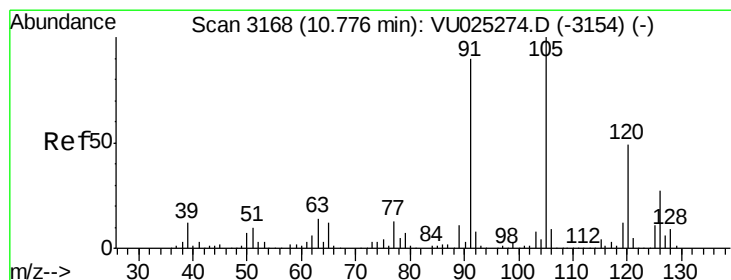
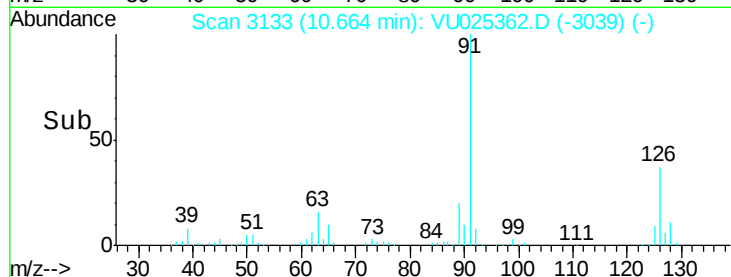
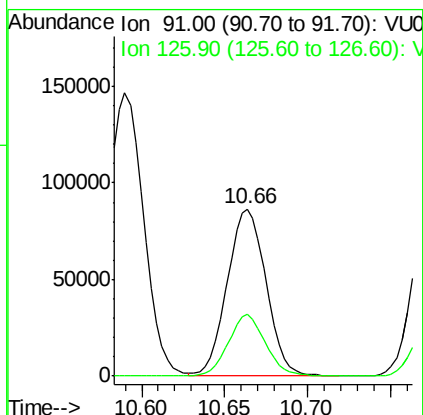
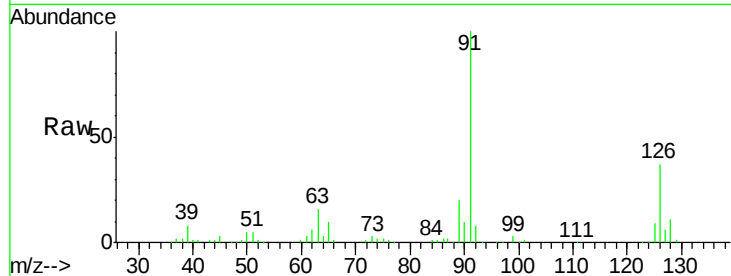




#79
 2-Chlorotoluene
 Concen: 21.88 ug/l
 RT: 10.66 min Scan# 3133
 Delta R.T. 0.00 min
 Lab File: VU025362.D
 Acq: 13 Jul 2018 01:13

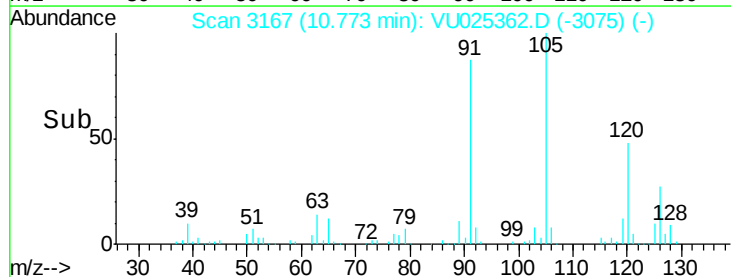
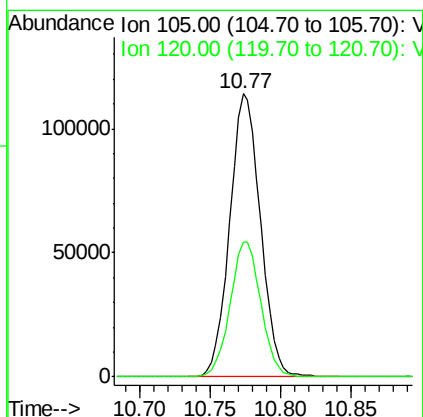
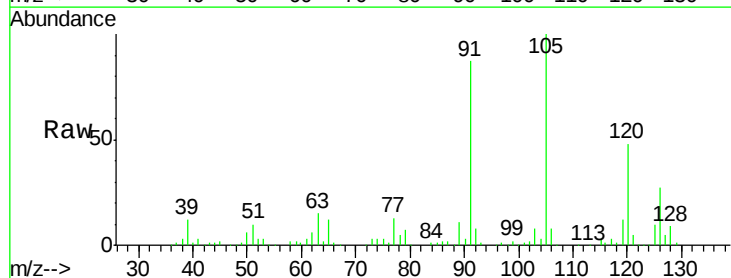
Instrument :
 MSVOA_U
 ClientSampleId :
 VU0712WBSD03

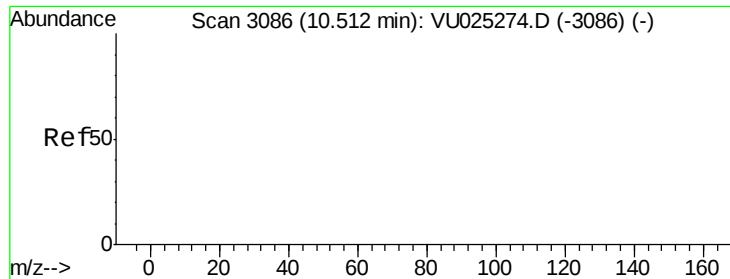
Tot Ion: 91 Resp: 139421
 Ion Ratio Lower Upper
 91 100
 126 35.4 17.5 52.6



#80
 1,3,5-Trimethylbenzene
 Concen: 20.61 ug/l
 RT: 10.77 min Scan# 3167
 Delta R.T. -0.00 min
 Lab File: VU025362.D
 Acq: 13 Jul 2018 01:13

Tgt Ion: 105 Resp: 174069
 Ion Ratio Lower Upper
 105 100
 120 47.6 24.1 72.2

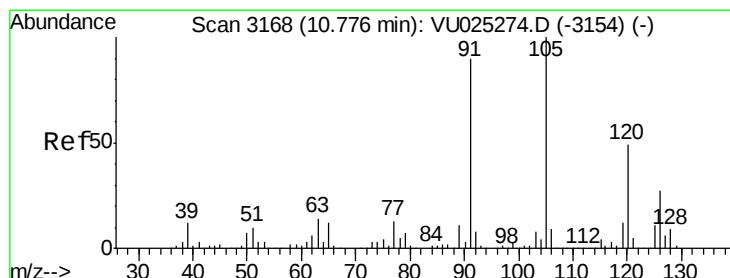
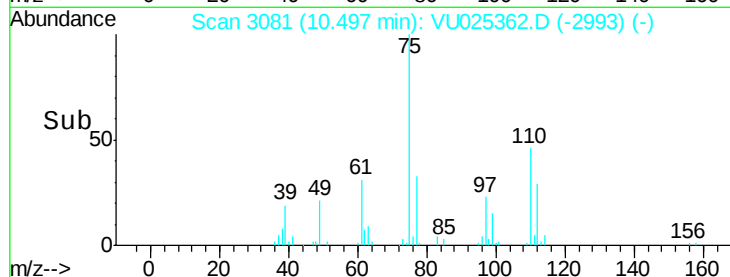
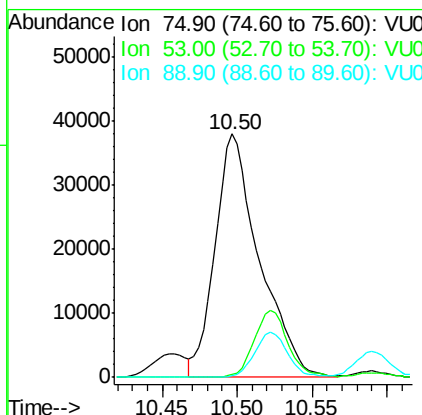
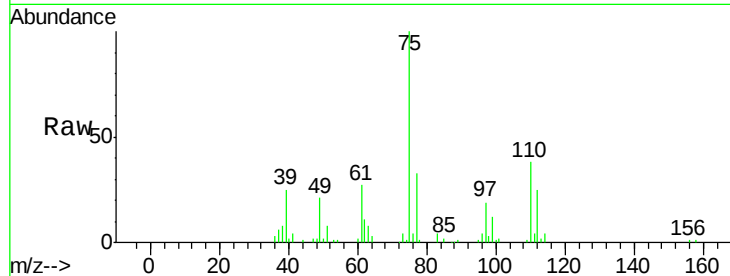




#81
trans-1,4-Dichloro-2-butene
Concen: 74.94 ug/l
RT: 10.50 min Scan# 3081
Delta R.T. -0.02 min
Lab File: VU025362.D
Acq: 13 Jul 2018 01:13

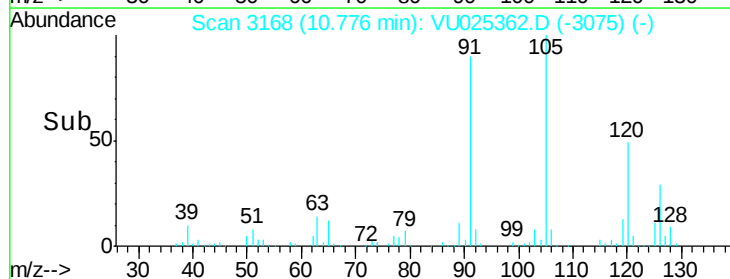
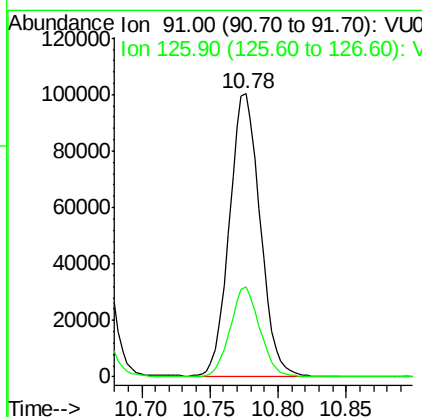
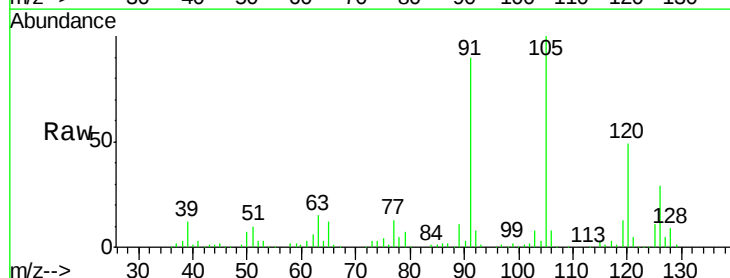
Instrument :
MSVOA_U
ClientSampleId :
VU0712WBSD03

Tot Ion: 75 Resp: 78447
Ion Ratio Lower Upper
75 100
53 0.0 0.0 0.0
89 0.0 0.0 0.0



#82
4-Chlorotoluene
Concen: 19.86 ug/l
RT: 10.78 min Scan# 3168
Delta R.T. 0.00 min
Lab File: VU025362.D
Acq: 13 Jul 2018 01:13

Tgt Ion: 91 Resp: 156650
Ion Ratio Lower Upper
91 100
126 30.9 15.3 45.9

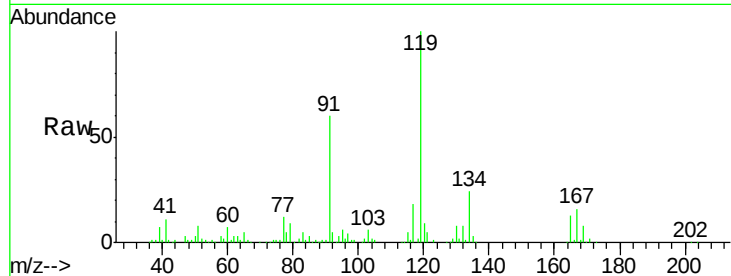




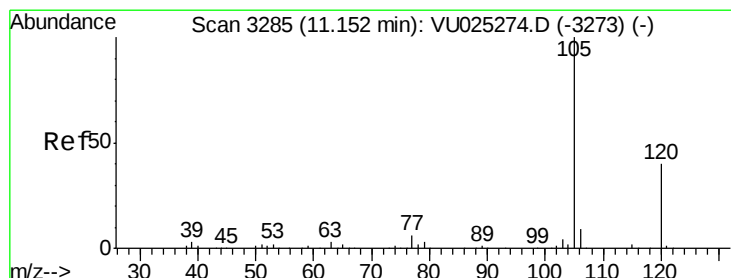
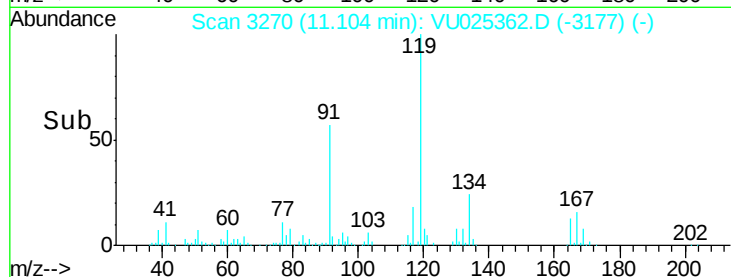
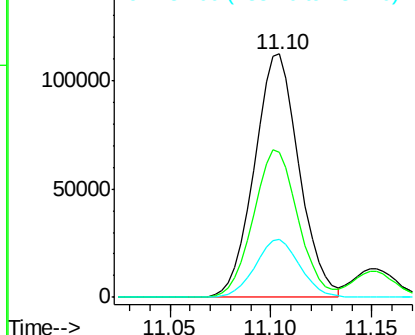
#83
 tert-Butylbenzene
 Concen: 20.42 ug/l
 RT: 11.10 min Scan# 3270
 Delta R.T. 0.00 min
 Lab File: VU025362.D
 Acq: 13 Jul 2018 01:13

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0712WBSD03

Tot Ion:119 Resp: 174284
 Ion Ratio Lower Upper
 119 100
 91 60.4 29.7 89.1
 134 23.7 11.5 34.5

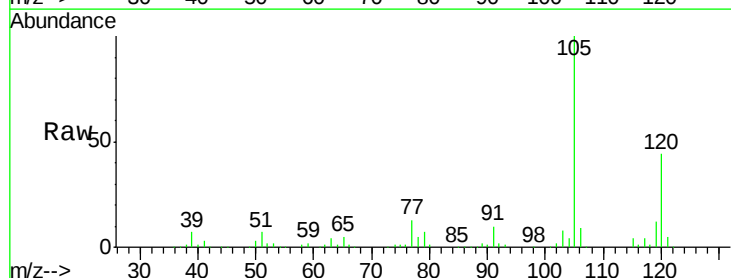


Abundance Ion 119.00 (118.70 to 119.70): V
 Ion 91.00 (90.70 to 91.70): V
 Ion 134.00 (133.70 to 134.70): V

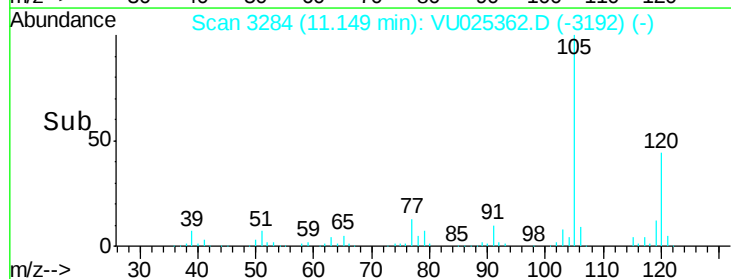
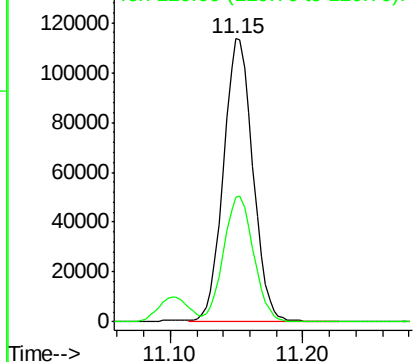


#84
 1,2,4-Trimethylbenzene
 Concen: 20.24 ug/l
 RT: 11.15 min Scan# 3284
 Delta R.T. -0.00 min
 Lab File: VU025362.D
 Acq: 13 Jul 2018 01:13

Tgt Ion:105 Resp: 175245
 Ion Ratio Lower Upper
 105 100
 120 45.0 22.3 66.8



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

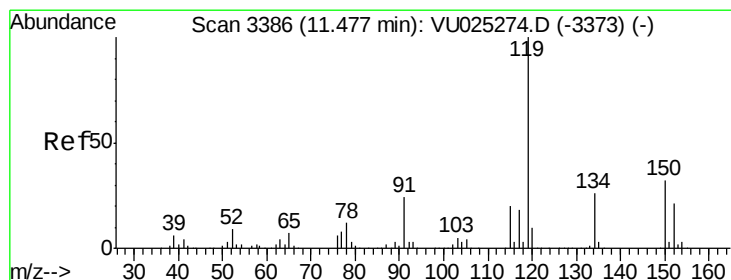
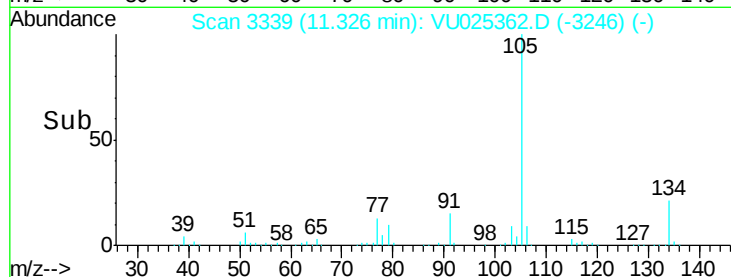
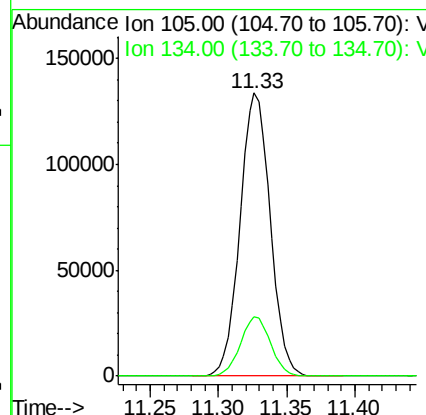
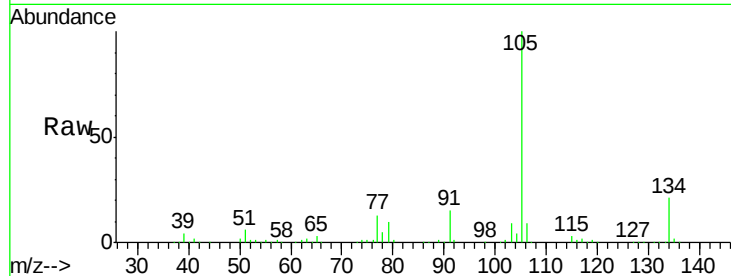




#85
 sec-Butylbenzene
 Concen: 20.43 ug/l
 RT: 11.33 min Scan# 3339
 Delta R.T. 0.00 min
 Lab File: VU025362.D
 Acq: 13 Jul 2018 01:13

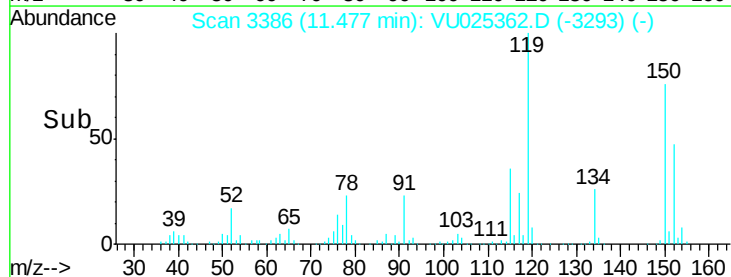
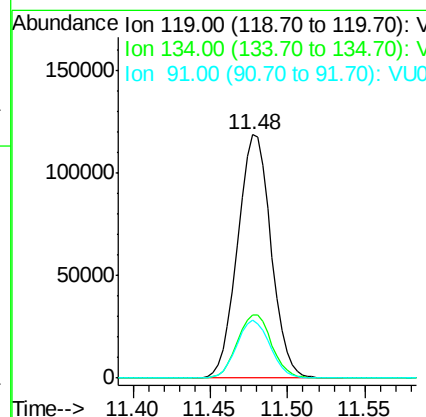
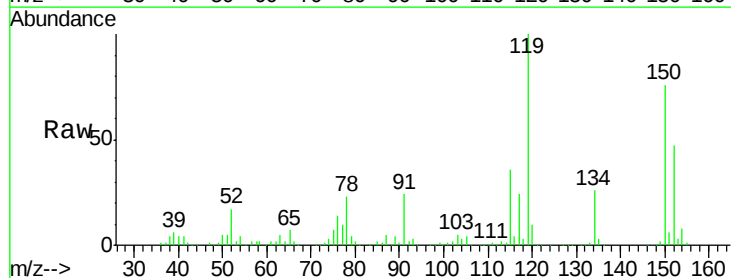
Instrument :
 MSVOA_U
 ClientSampleId :
 VU0712WBSD03

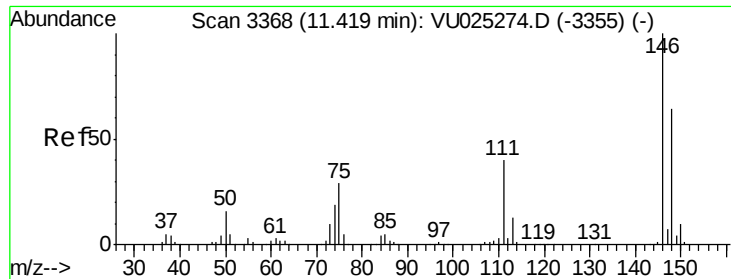
Tot Ion:105 Resp: 205347
 Ion Ratio Lower Upper
 105 100
 134 20.9 10.3 30.8



#86
 p-Isopropyltoluene
 Concen: 20.01 ug/l
 RT: 11.48 min Scan# 3386
 Delta R.T. 0.00 min
 Lab File: VU025362.D
 Acq: 13 Jul 2018 01:13

Tgt Ion:119 Resp: 178111
 Ion Ratio Lower Upper
 119 100
 134 26.7 13.2 39.5
 91 23.9 12.0 36.1

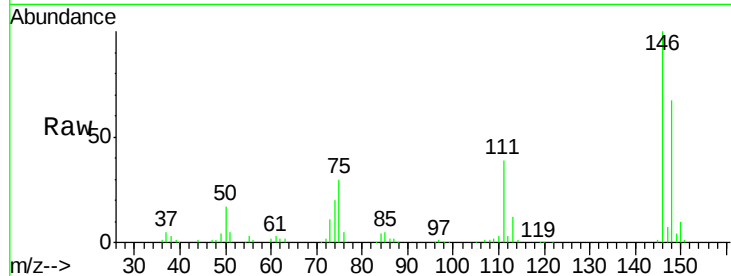




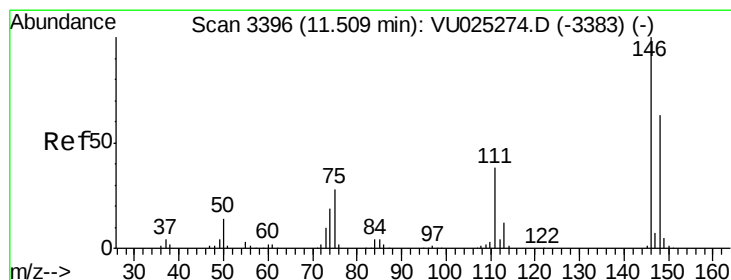
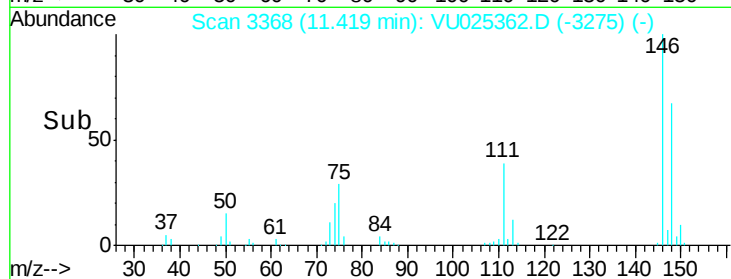
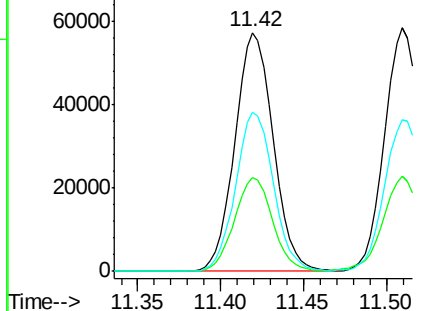
#87
 1,3-Dichlorobenzene
 Concen: 19.64 ug/l
 RT: 11.42 min Scan# 3368
 Delta R.T. 0.00 min
 Lab File: VU025362.D
 Acq: 13 Jul 2018 01:13

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0712WBSD03

Tot Ion:146 Resp: 92170
 Ion Ratio Lower Upper
 146 100
 111 39.1 19.7 59.1
 148 65.8 32.1 96.3

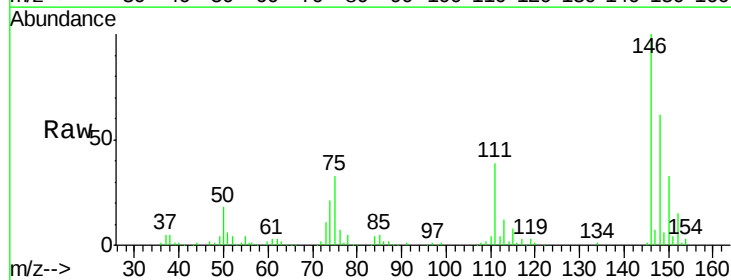


Abundance Ion 145.90 (145.60 to 146.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

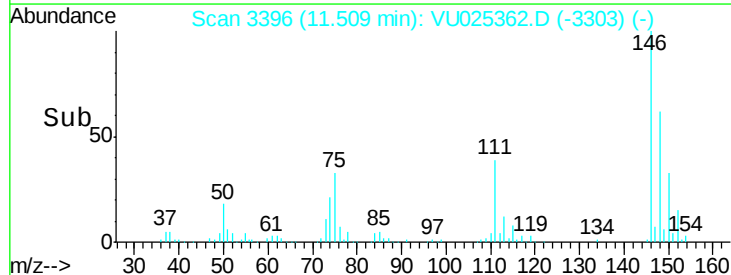
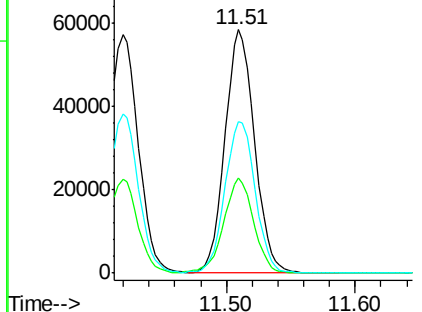


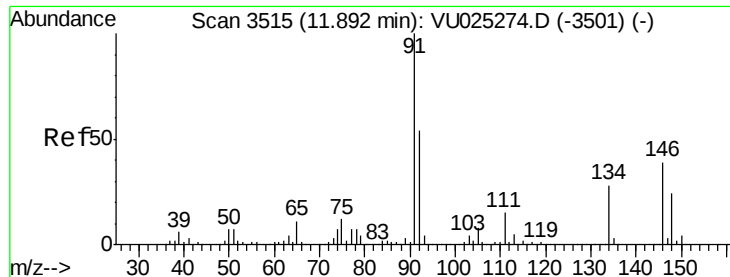
#88
 1,4-Dichlorobenzene
 Concen: 21.17 ug/l
 RT: 11.51 min Scan# 3396
 Delta R.T. 0.00 min
 Lab File: VU025362.D
 Acq: 13 Jul 2018 01:13

Tgt Ion:146 Resp: 92990
 Ion Ratio Lower Upper
 146 100
 111 39.7 19.4 58.1
 148 63.8 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

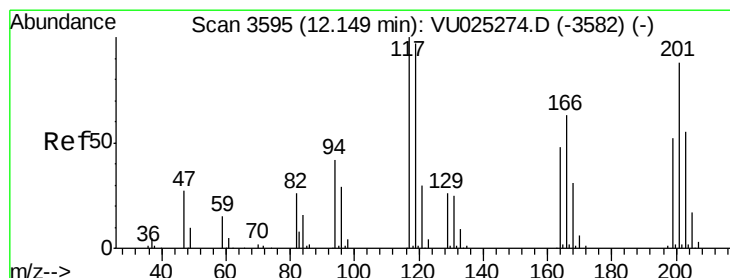
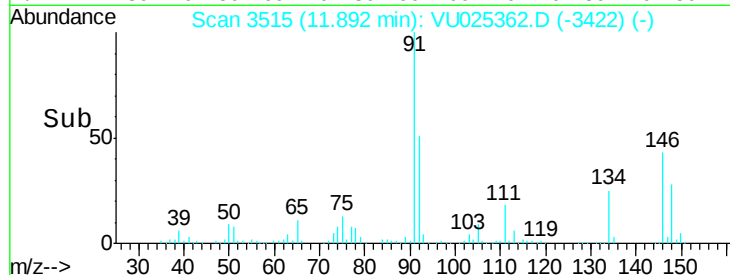
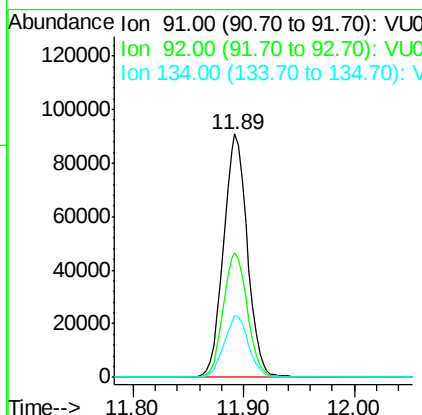
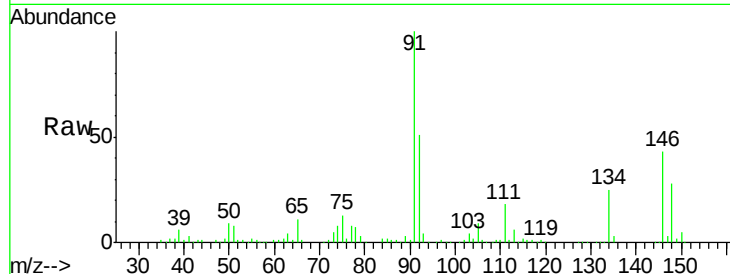




#89
n-Butylbenzene
Concen: 18.57 ug/l
RT: 11.89 min Scan# 3515
Delta R.T. 0.00 min
Lab File: VU025362.D
Acq: 13 Jul 2018 01:13

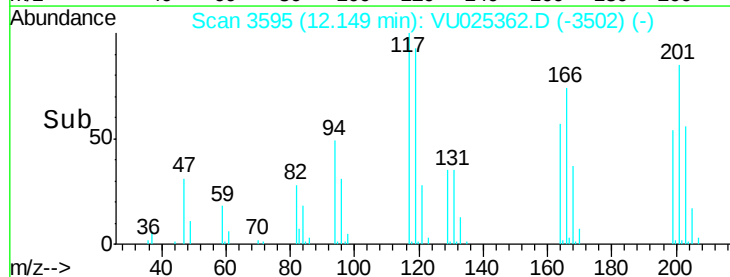
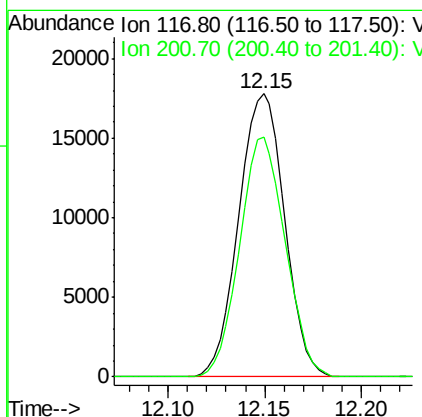
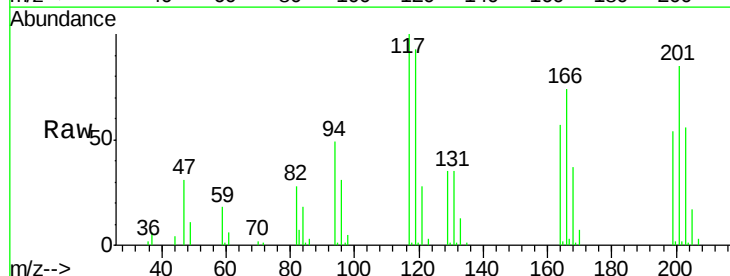
Instrument :
MSVOA_U
ClientSampleId :
VU0712WBSD03

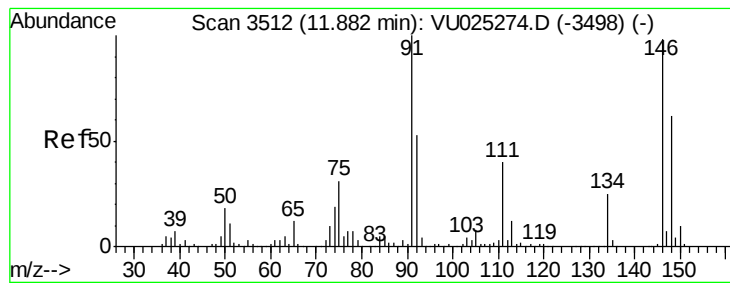
Tot Ion: 91 Resp: 135832
Ion Ratio Lower Upper
91 100
92 51.9 26.5 79.5
134 26.0 13.6 40.7



#90
Hexachloroethane
Concen: 19.50 ug/l
RT: 12.15 min Scan# 3595
Delta R.T. 0.00 min
Lab File: VU025362.D
Acq: 13 Jul 2018 01:13

Tgt Ion: 117 Resp: 29387
Ion Ratio Lower Upper
117 100
201 84.2 42.5 127.6





#91

1,2-Dichlorobenzene

Concen: 20.33 ug/l

RT: 11.88 min Scan# 3512

Delta R.T. 0.00 min

Lab File: VU025362.D

Acq: 13 Jul 2018 01:13

Instrument :

MSVOA_U

ClientSampleId :

VU0712WBSD03

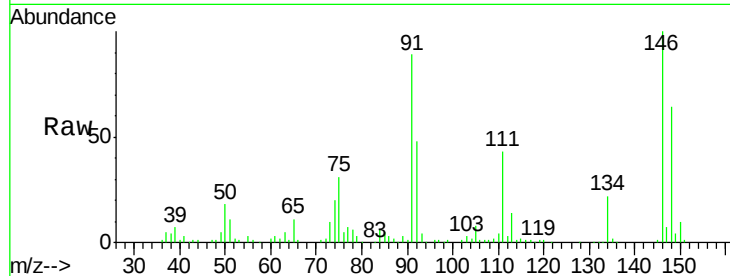
Tot Ion:146 Resp: 96377

Ion Ratio Lower Upper

146 100

111 42.2 20.6 61.8

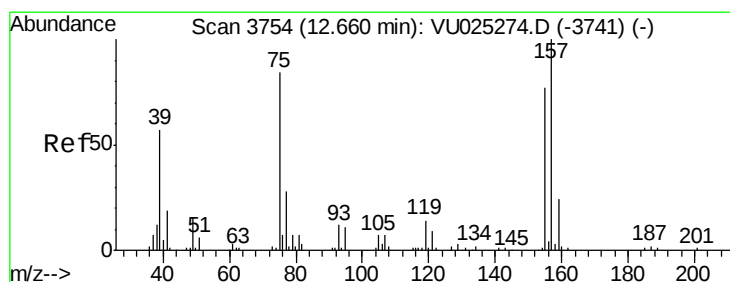
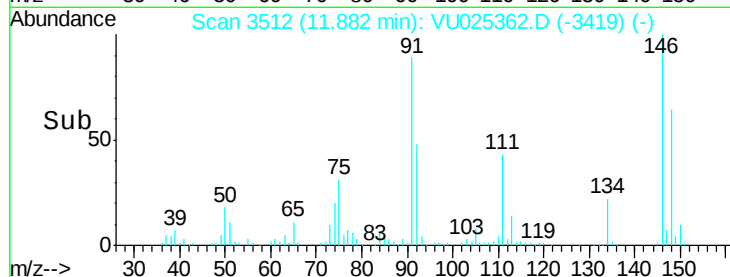
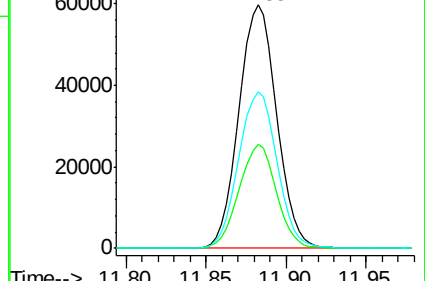
148 65.4 31.5 94.5



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: 20.20 ug/l

RT: 12.66 min Scan# 3753

Delta R.T. -0.00 min

Lab File: VU025362.D

Acq: 13 Jul 2018 01:13

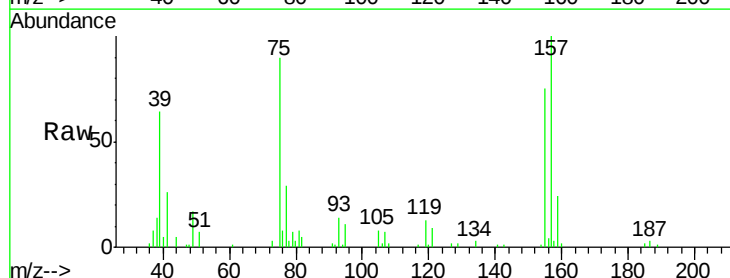
Tgt Ion: 75 Resp: 16090

Ion Ratio Lower Upper

75 100

155 83.8 44.5 133.3

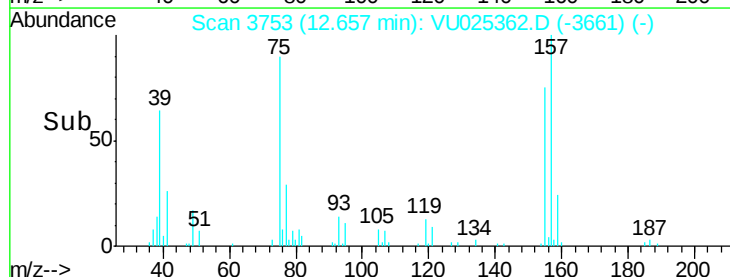
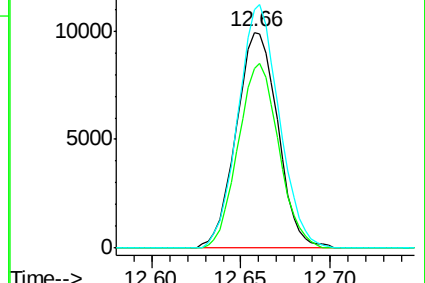
157 111.6 57.0 170.8

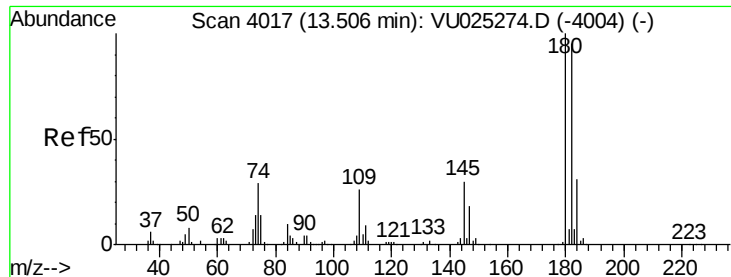


Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

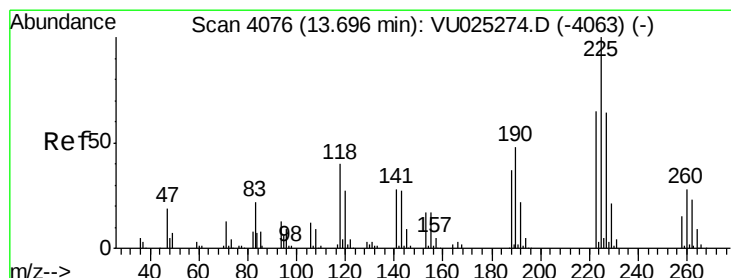
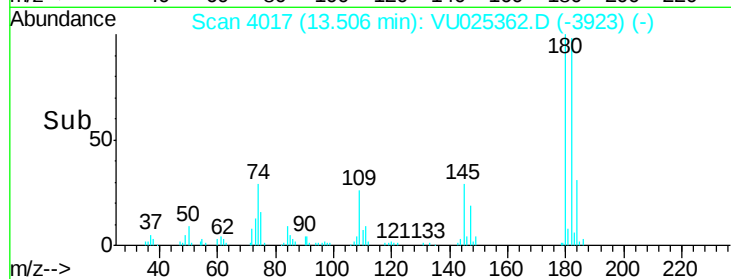
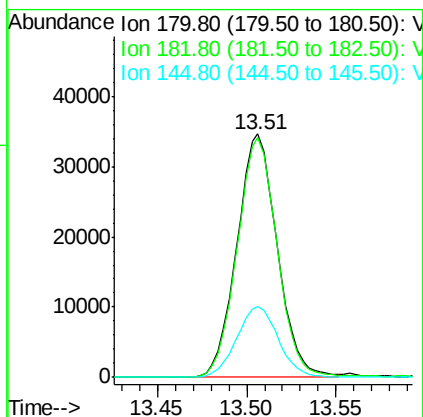
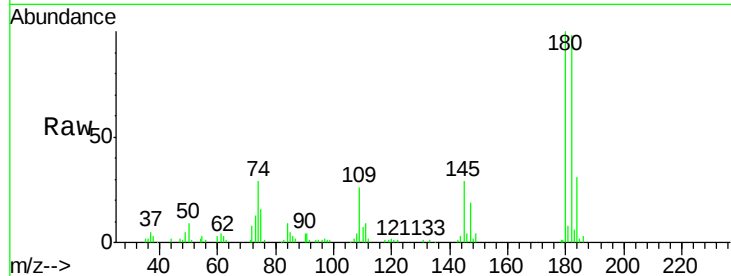




#93
 1,2,4-Trichlorobenzene
 Concen: 19.35 ug/l
 RT: 13.51 min Scan# 4017
 Delta R.T. 0.00 min
 Lab File: VU025362.D
 Acq: 13 Jul 2018 01:13

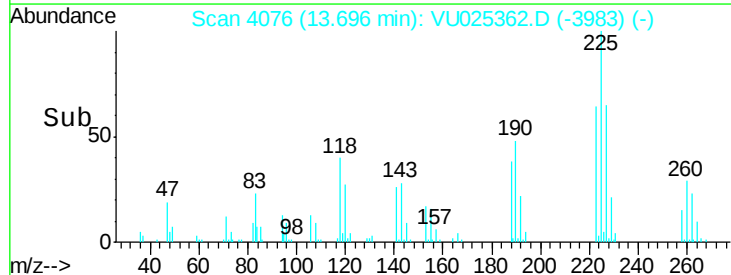
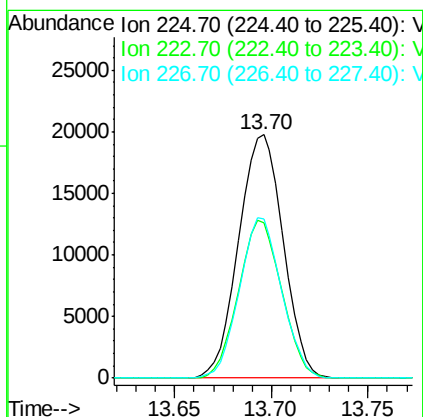
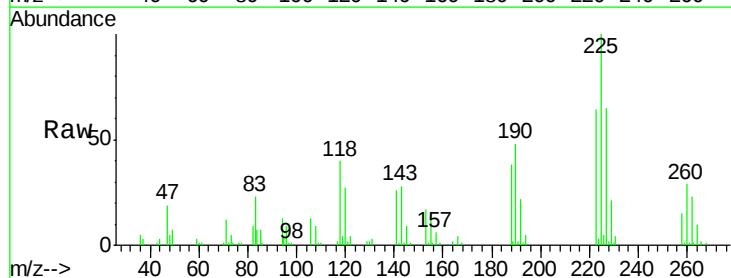
Instrument :
 MSVOA_U
 ClientSampleId :
 VU0712WBSD03

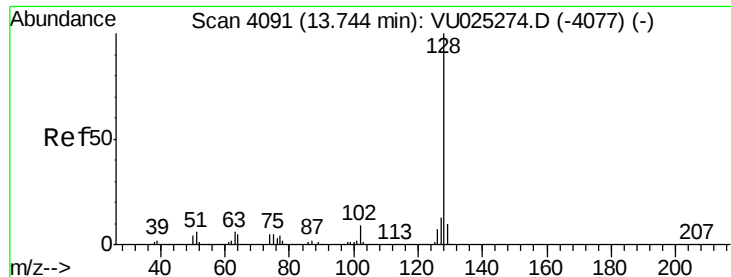
Tot Ion:180 Resp: 54581
 Ion Ratio Lower Upper
 180 100
 182 97.7 47.3 141.9
 145 29.9 14.9 44.7



#94
 Hexachlorobutadiene
 Concen: 18.72 ug/l
 RT: 13.70 min Scan# 4076
 Delta R.T. 0.00 min
 Lab File: VU025362.D
 Acq: 13 Jul 2018 01:13

Tgt Ion:225 Resp: 31734
 Ion Ratio Lower Upper
 225 100
 223 62.5 31.9 95.7
 227 62.4 32.3 96.9





#95

Naphthalene

Concen: 20.69 ug/l

RT: 13.74 min Scan# 4091

Delta R.T. 0.00 min

Lab File: VU025362.D

Acq: 13 Jul 2018 01:13

Instrument :

MSVOA_U

ClientSampleId :

VU0712WBSD03

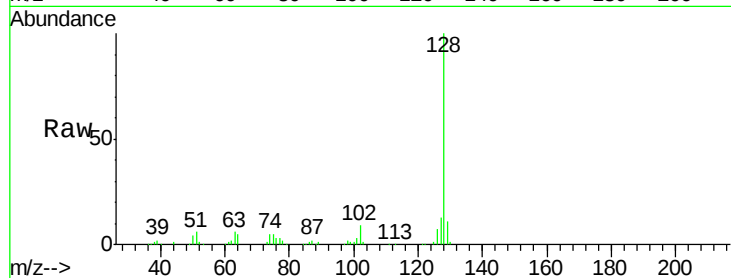
Tot Ion:128 Resp: 185214

Ion Ratio Lower Upper

128 100

127 12.9 10.5 15.7

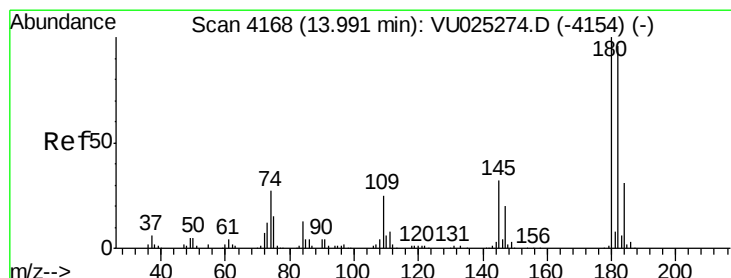
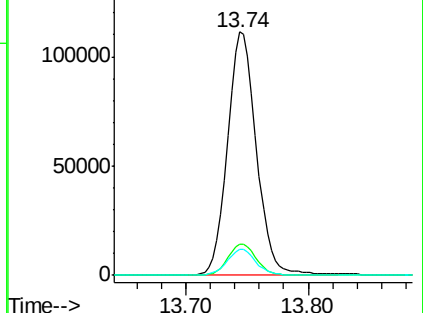
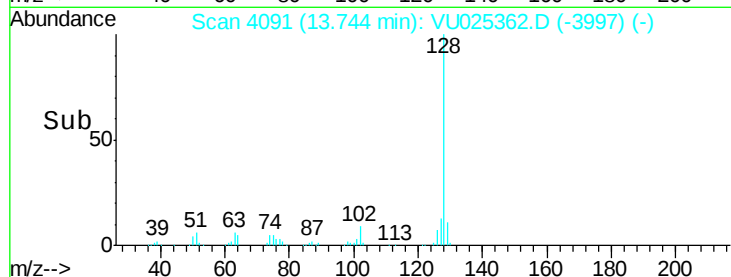
129 10.4 8.3 12.5



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 20.17 ug/l

RT: 13.99 min Scan# 4168

Delta R.T. 0.00 min

Lab File: VU025362.D

Acq: 13 Jul 2018 01:13

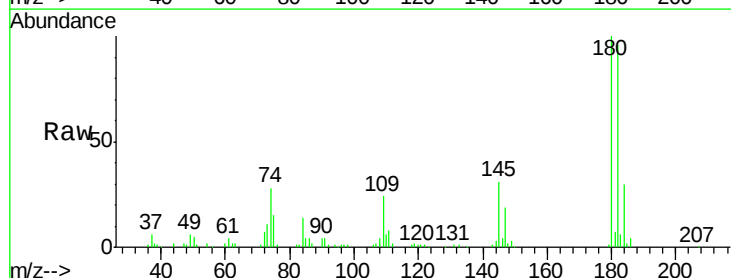
Tgt Ion:180 Resp: 59895

Ion Ratio Lower Upper

180 100

182 96.5 47.8 143.3

145 31.3 15.6 46.8



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

