

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU011419\
 Data File : VU029162.D
 Acq On : 14 Jan 2019 13:48
 Operator : JC/SP
 Sample : VU0114WBSD01
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Jan 14 22:46:57 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U010319W.M
 Quant Title : SW846 8260
 QLast Update : Sat Jan 12 01:33:59 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.98	168	111005	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.88	114	182790	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	170302	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	83291	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.31	65	71667	52.23	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.46%	
35) Dibromofluoromethane	4.88	113	60307	50.90	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.80%	
50) Toluene-d8	7.56	98	230081	49.19	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.38%	
62) 4-Bromofluorobenzene	10.30	95	79957	47.56	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.12%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.21	85	21067	19.137	ug/l	100
3) Chloromethane	1.33	50	32196	17.875	ug/l	100
4) Vinyl Chloride	1.40	62	31932	19.683	ug/l	98
5) Bromomethane	1.62	94	17373	18.943	ug/l	95
6) Chloroethane	1.69	64	19520	20.201	ug/l	99
7) Trichlorofluoromethane	1.88	101	35214	19.920	ug/l	100
8) Diethyl Ether	2.10	74	16580	19.523	ug/l	92
9) 1,1,2-Trichlorotrifluoroet	2.28	101	23832	20.149	ug/l	97
10) Methyl Iodide	2.41	142	18572	16.699	ug/l	98
11) Tert butyl alcohol	2.83	59	38349	109.945	ug/l	98
12) 1,1-Dichloroethene	2.28	96	22939	19.925	ug/l	97
13) Acrolein	2.19	56	23246	88.754	ug/l	97
14) Allyl chloride	2.59	41	38892	18.411	ug/l	89
15) Acrylonitrile	2.93	53	93007	108.687	ug/l	99
16) Acetone	2.32	43	77069	89.153	ug/l	99
17) Carbon Disulfide	2.48	76	72046	18.547	ug/l	99
18) Methyl Acetate	2.61	43	46223	22.996	ug/l	100
19) Methyl tert-butyl Ether	3.00	73	81843	20.220	ug/l	99
20) Methylene Chloride	2.70	84	29545	20.130	ug/l	99
21) trans-1,2-Dichloroethene	2.98	96	25742	19.245	ug/l	98
22) Diisopropyl ether	3.57	45	88418	21.179	ug/l	95
23) Vinyl Acetate	3.52	43	355342	104.114	ug/l	100
24) 1,1-Dichloroethane	3.44	63	50578	20.986	ug/l	99
25) 2-Butanone	4.26	43	124418	106.561	ug/l	100
26) 2,2-Dichloropropane	4.22	77	38139	19.585	ug/l	99
27) cis-1,2-Dichloroethene	4.22	96	30751	21.020	ug/l	97
28) Bromochloromethane	4.55	49	22547	21.848	ug/l	99
29) Tetrahydrofuran	4.64	42	80372	113.495	ug/l	98
30) Chloroform	4.67	83	48889	21.298	ug/l	99
31) Cyclohexane	4.99	56	46701	19.851	ug/l	98
32) 1,1,1-Trichloroethane	4.91	97	39320	20.730	ug/l	98
36) 1,1-Dichloropropene	5.13	75	36580	20.021	ug/l	98
37) Ethyl Acetate	4.38	43	43429	21.655	ug/l	99
38) Carbon Tetrachloride	5.13	117	31542	20.699	ug/l	93

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.41	83	42234	18.803	ug/l	99
40) Benzene	5.39	78	117193	20.563	ug/l	99
41) Methacrylonitrile	4.54	41	22919	21.350	ug/l	99
42) 1,2-Dichloroethane	5.40	62	36619	21.383	ug/l	100
43) Isopropyl Acetate	5.55	43	67857	22.057	ug/l	98
44) Trichloroethene	6.18	130	28064	19.874	ug/l	94
45) 1,2-Dichloropropane	6.43	63	31292	20.792	ug/l	97
46) Dibromomethane	6.56	93	20023	20.812	ug/l	98
47) Bromodichloromethane	6.76	83	37777	21.326	ug/l	97
48) Methyl methacrylate	6.62	41	32479	21.682	ug/l	99
49) 1,4-Dioxane	6.61	88	16694	470.252	ug/l	99
51) 4-Methyl-2-Pentanone	7.46	43	228703	109.234	ug/l	100
52) Toluene	7.63	92	69700	20.090	ug/l	99
53) t-1,3-Dichloropropene	7.88	75	41780	19.634	ug/l	99
54) cis-1,3-Dichloropropene	7.27	75	46062	20.033	ug/l	97
55) 1,1,2-Trichloroethane	8.06	97	29664	21.342	ug/l	98
56) Ethyl methacrylate	8.02	69	43049	20.104	ug/l	98
57) 1,3-Dichloropropane	8.24	76	49249	20.708	ug/l	100
58) 2-Chloroethyl Vinyl ether	7.12	63	90036	95.609	ug/l	99
59) 2-Hexanone	8.36	43	172807	105.148	ug/l	99
60) Dibromochloromethane	8.48	129	28419	20.638	ug/l	98
61) 1,2-Dibromoethane	8.58	107	31378	20.815	ug/l	100
64) Tetrachloroethene	8.22	164	24528	19.994	ug/l	96
65) Chlorobenzene	9.12	112	75051	19.660	ug/l	99
66) 1,1,1,2-Tetrachloroethane	9.21	131	26430	21.335	ug/l	97
67) Ethyl Benzene	9.25	91	127171	19.954	ug/l	99
68) m/p-Xylenes	9.37	106	98725	39.867	ug/l	98
69) o-Xylene	9.78	106	48108	20.162	ug/l	99
70) Styrene	9.79	104	77374	19.781	ug/l	99
71) Bromoform	9.95	173	22414	20.320	ug/l #	99
73) Isopropylbenzene	10.16	105	122498	19.870	ug/l	98
74) N-amyl acetate	10.01	43	53486	20.133	ug/l	99
75) 1,1,2,2-Tetrachloroethane	10.46	83	51361	20.787	ug/l	99
76) 1,2,3-Trichloropropane	10.49	75	55684	27.286	ug/l	86
77) Bromobenzene	10.45	156	31831	19.813	ug/l	98
78) n-propylbenzene	10.58	91	147577	20.312	ug/l	98
79) 2-Chlorotoluene	10.66	91	88528	20.087	ug/l	99
80) 1,3,5-Trimethylbenzene	10.77	105	103209	20.047	ug/l	98
81) trans-1,4-Dichloro-2-buten	10.49	75	55684	70.372	ug/l #	100
82) 4-Chlorotoluene	10.77	91	99118	19.613	ug/l	99
83) tert-Butylbenzene	11.10	119	101629	20.028	ug/l	99
84) 1,2,4-Trimethylbenzene	11.14	105	104543	20.339	ug/l	100
85) sec-Butylbenzene	11.32	105	125313	20.420	ug/l	100
86) p-Isopropyltoluene	11.47	119	106663	20.397	ug/l	99
87) 1,3-Dichlorobenzene	11.41	146	56934	19.320	ug/l	99
88) 1,4-Dichlorobenzene	11.50	146	57964	19.056	ug/l	99
89) n-Butylbenzene	11.89	91	92651	19.851	ug/l	99
90) Hexachloroethane	12.14	117	17172	19.520	ug/l	99
91) 1,2-Dichlorobenzene	11.88	146	57543	19.387	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.66	75	10420	21.926	ug/l	97

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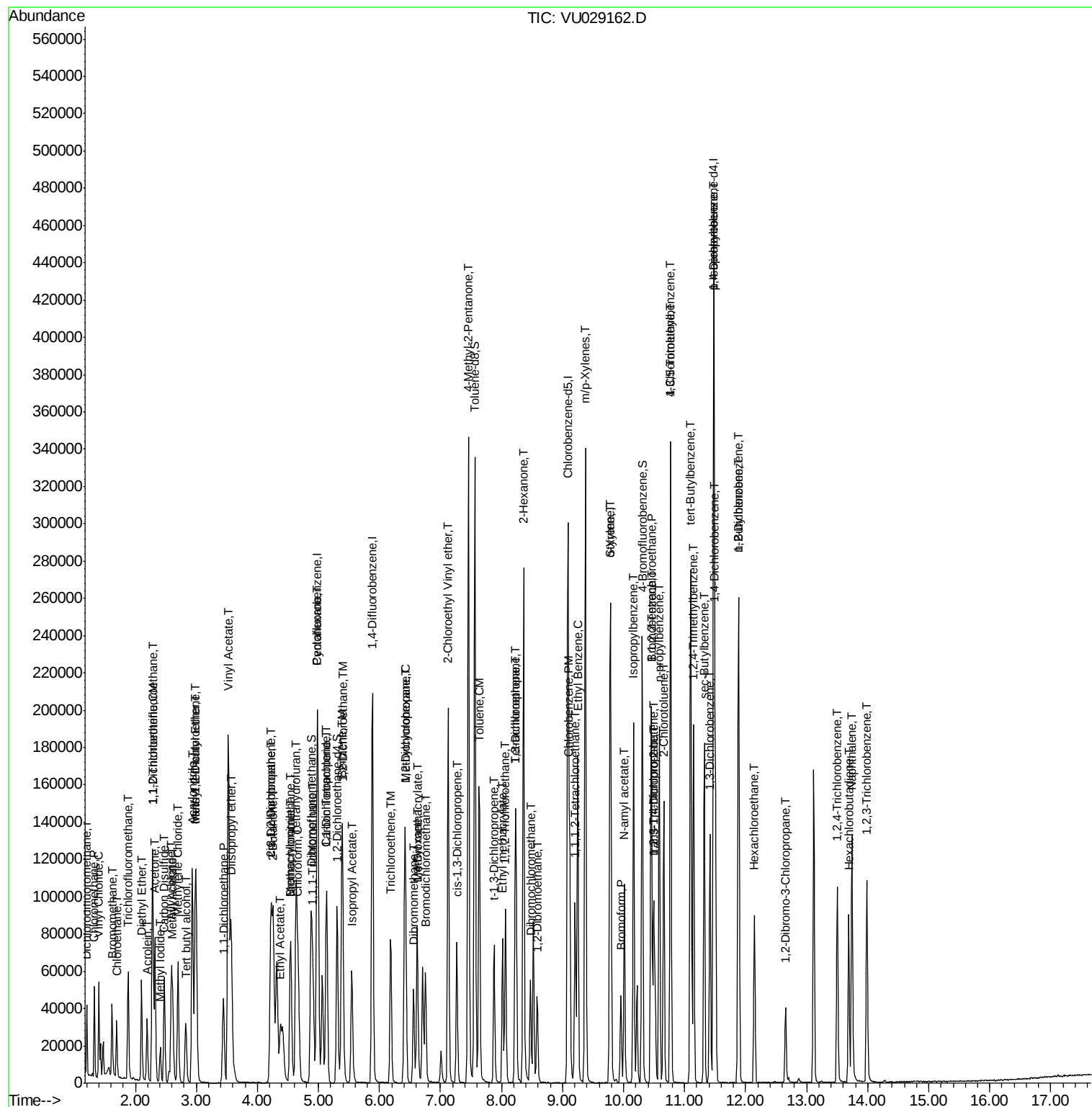
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.50	180	35448	18.709	ug/l	99
94) Hexachlorobutadiene	13.69	225	17543	20.243	ug/l	97
95) Naphthalene	13.74	128	116932	18.142	ug/l	100
96) 1,2,3-Trichlorobenzene	13.99	180	38352	20.133	ug/l	98

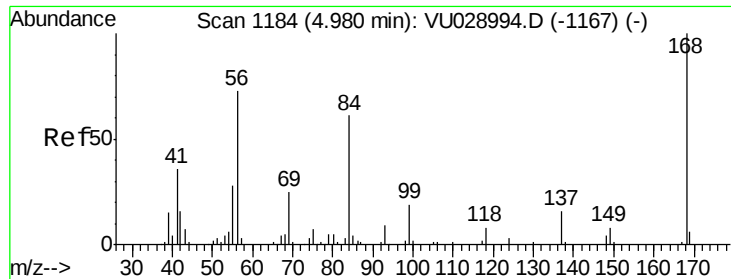
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA U\DATA\VU011419\
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.98 min Scan# 1184

Delta R.T. 0.00 min

Lab File: VU029162.D

Acq: 14 Jan 2019 13:48

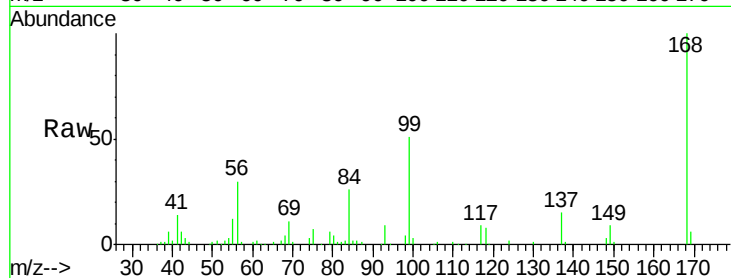
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion:168 Resp: 111005

Ion Ratio Lower Upper

168 100

99 50.4 42.0 63.0

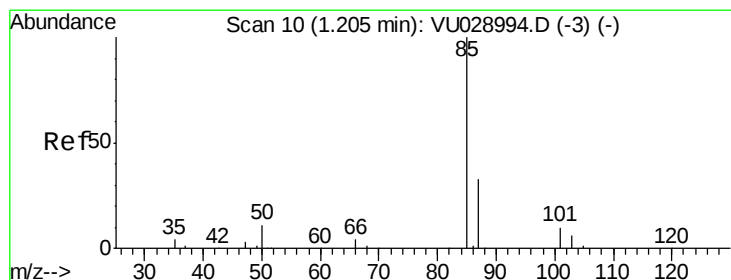
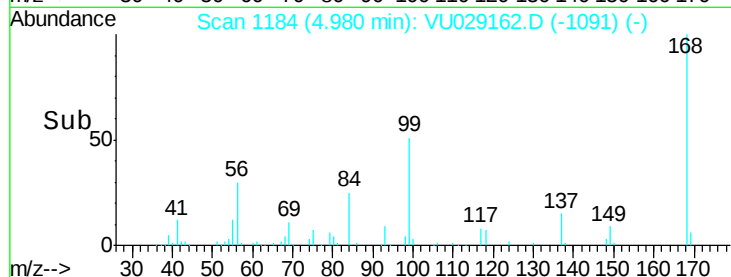


Abundance Ion 167.90 (167.60 to 168.60): VU028994.D (-1167) (-)

Ion 98.90 (98.60 to 99.60): VU028994.D (-1167) (-)

4.98

Time-->



#2

Dichlorodifluoromethane

Concen: 19.137 ug/l

RT: 1.21 min Scan# 10

Delta R.T. 0.00 min

Lab File: VU029162.D

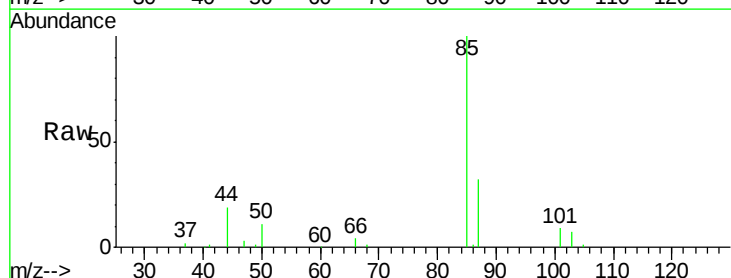
Acq: 14 Jan 2019 13:48

Tgt Ion: 85 Resp: 21067

Ion Ratio Lower Upper

85 100

87 32.3 16.3 48.8

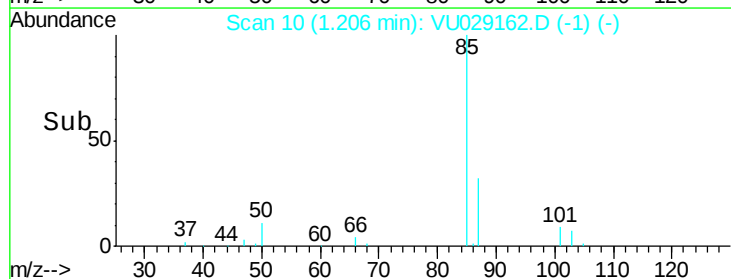


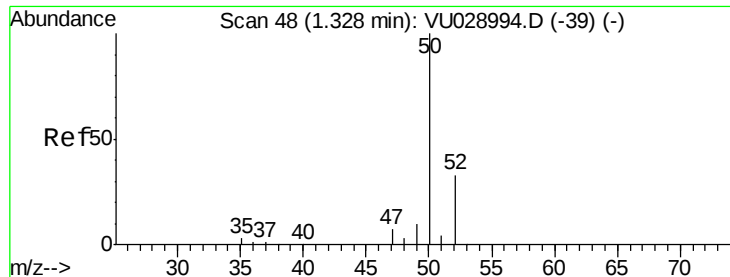
Abundance Ion 84.90 (84.60 to 85.60): VU028994.D (-3) (-)

Ion 86.90 (86.60 to 87.60): VU028994.D (-3) (-)

1.21

Time-->





#3

Chloromethane

Concen: 17.875 ug/l

RT: 1.33 min Scan# 48

Delta R.T. 0.00 min

Lab File: VU029162.D

Acq: 14 Jan 2019 13:48

Instrument :

MSVOA_U

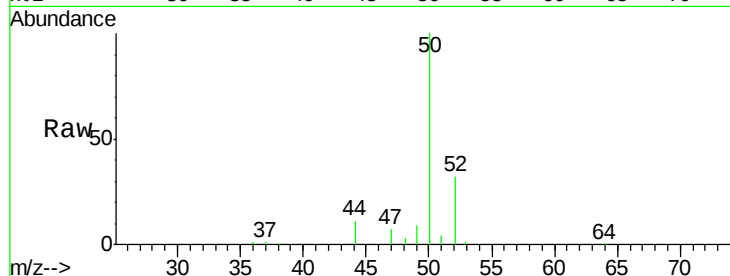
ClientSampleId :

Tot Ion: 50 Resp: 32196

Ion Ratio Lower Upper

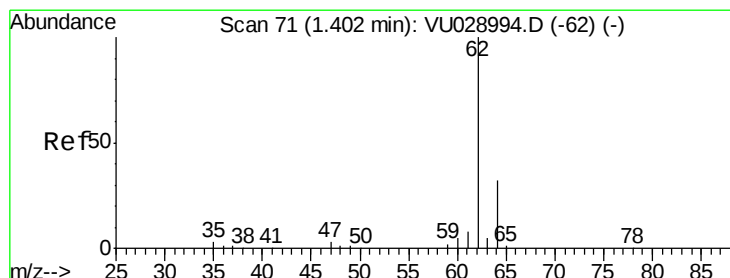
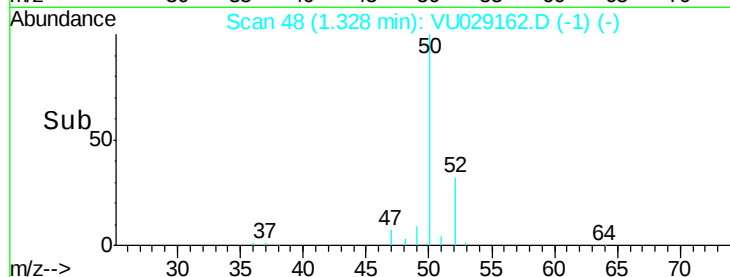
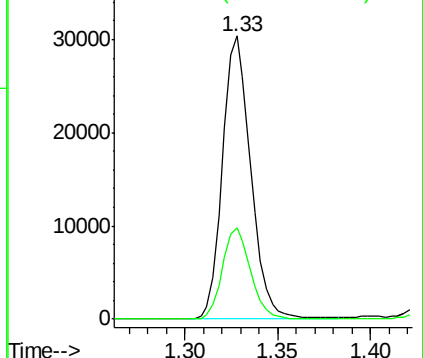
50 100

52 32.5 26.1 39.1



Abundance Ion 49.90 (49.60 to 50.60): VU0

Ion 51.90 (51.60 to 52.60): VU0



#4

Vinyl Chloride

Concen: 19.683 ug/l

RT: 1.40 min Scan# 71

Delta R.T. 0.00 min

Lab File: VU029162.D

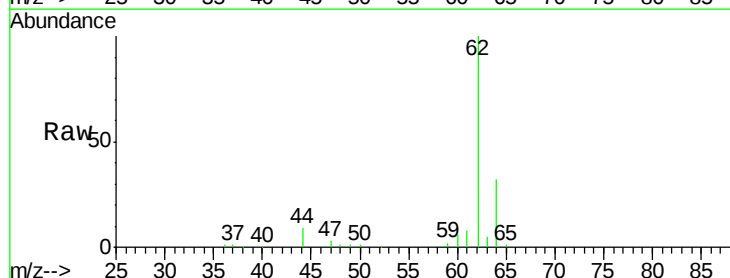
Acq: 14 Jan 2019 13:48

Tgt Ion: 62 Resp: 31932

Ion Ratio Lower Upper

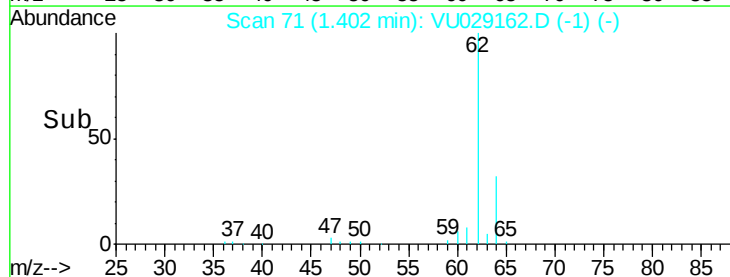
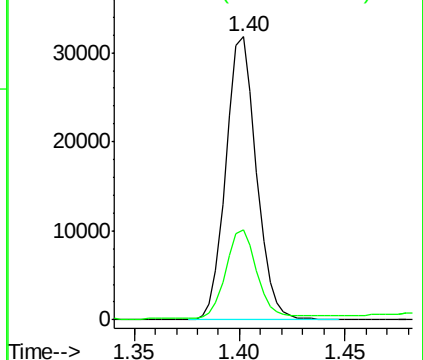
62 100

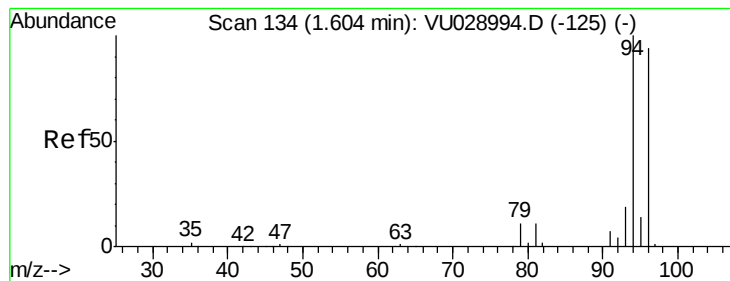
64 31.4 25.9 38.9



Abundance Ion 61.90 (61.60 to 62.60): VU0

Ion 63.90 (63.60 to 64.60): VU0





#5

Bromomethane

Concen: 18.943 ug/l

RT: 1.62 min Scan# 138

Delta R.T. 0.01 min

Lab File: VU029162.D

Acq: 14 Jan 2019 13:48

Instrument :

MSVOA_U

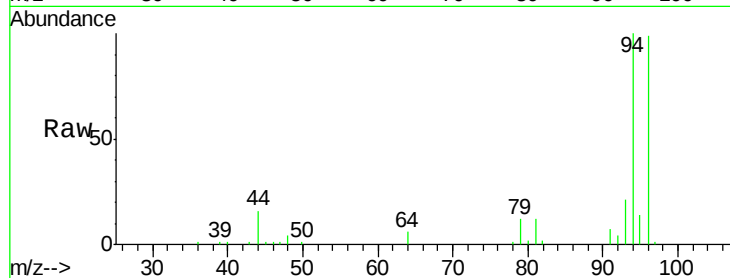
ClientSampled :

Tot Ion: 94 Resp: 17373

Ion Ratio Lower Upper

94 100

96 98.8 75.5 113.3



Abundance Ion 93.90 (93.60 to 94.60): VU028994.D (-125) (-)

Ion 95.90 (95.60 to 96.60): VU029162.D (-41) (-)

1.62

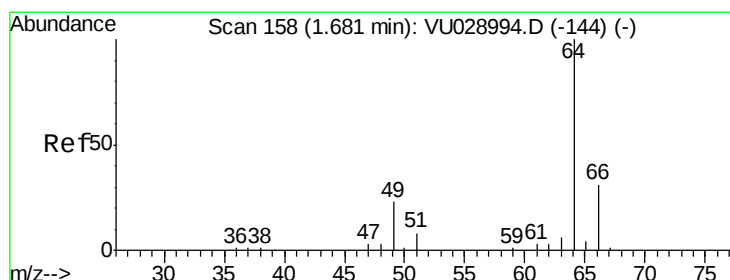
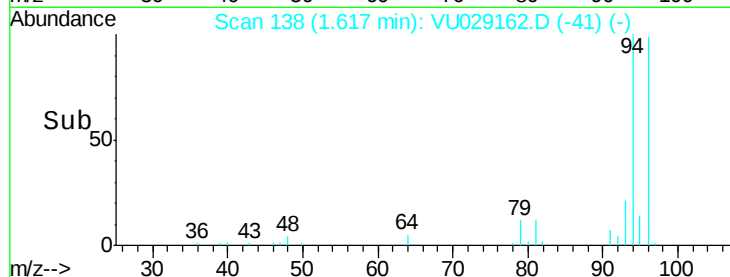
15000

10000

5000

0

Time-->



#6

Chloroethane

Concen: 20.201 ug/l

RT: 1.69 min Scan# 162

Delta R.T. 0.01 min

Lab File: VU029162.D

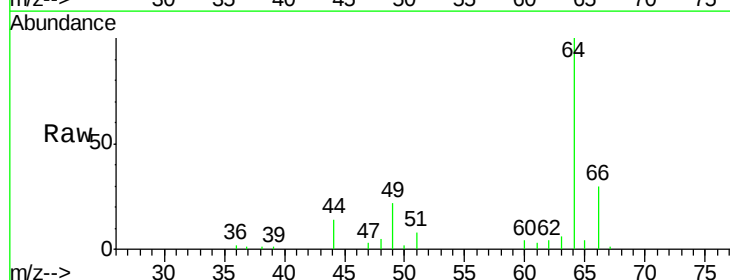
Acq: 14 Jan 2019 13:48

Tgt Ion: 64 Resp: 19520

Ion Ratio Lower Upper

64 100

66 31.0 25.2 37.8



Abundance Ion 63.90 (63.60 to 64.60): VU028994.D (-144) (-)

Ion 65.90 (65.60 to 66.60): VU029162.D (-65) (-)

1.69

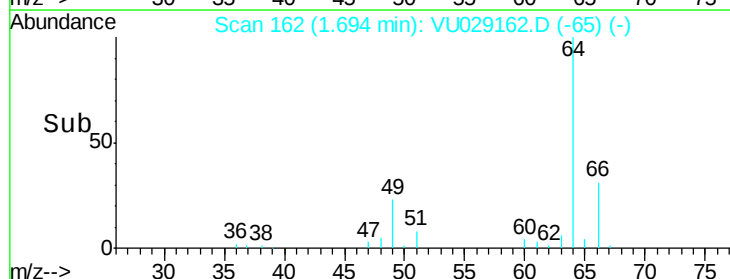
15000

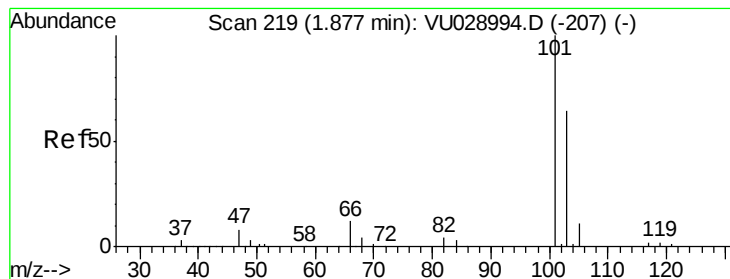
10000

5000

0

Time-->



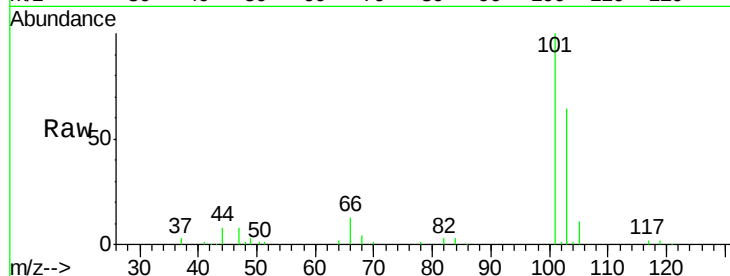


#7

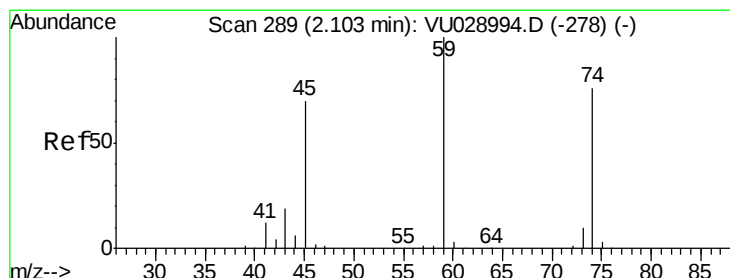
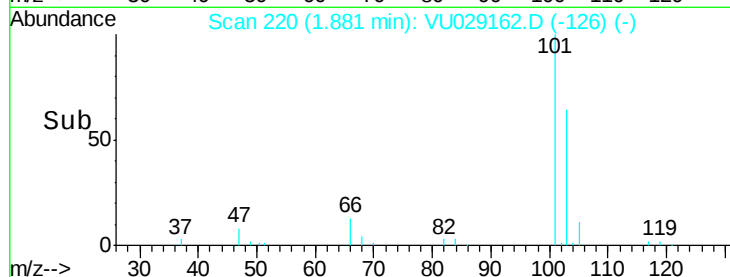
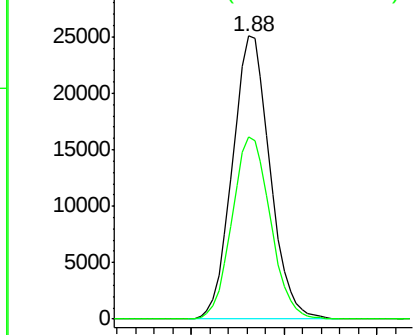
Trichlorofluoromethane
 Concen: 19.920 ug/l
 RT: 1.88 min Scan# 220
 Delta R.T. 0.00 min
 Lab File: VU029162.D
 Acq: 14 Jan 2019 13:48

Instrument :
 MSVOA_U
 ClientSampled :

Tot Ion:101 Resp: 35214
 Ion Ratio Lower Upper
 101 100
 103 64.2 51.5 77.3



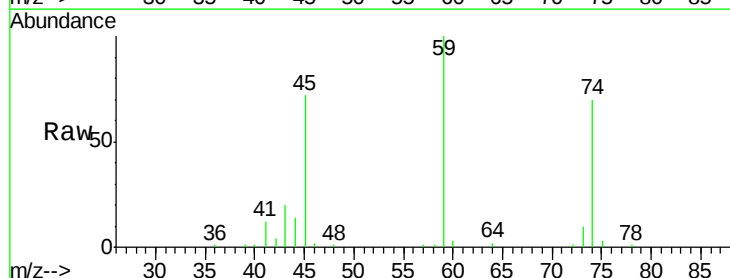
Abundance Ion 100.90 (100.60 to 101.60): V
 Ion 102.80 (102.50 to 103.50): V



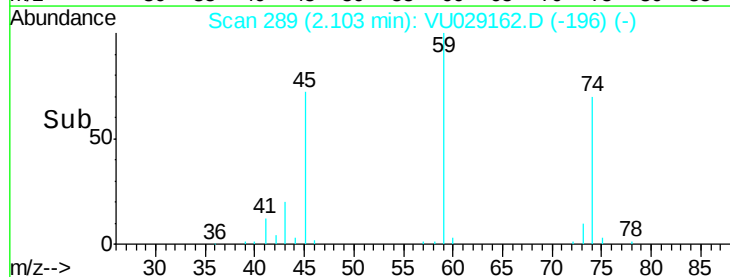
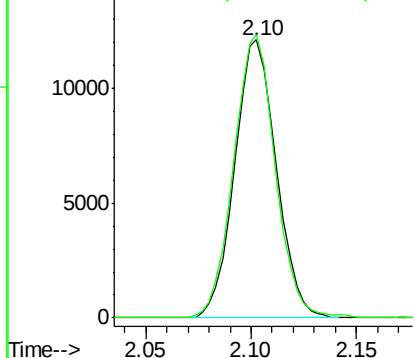
#8

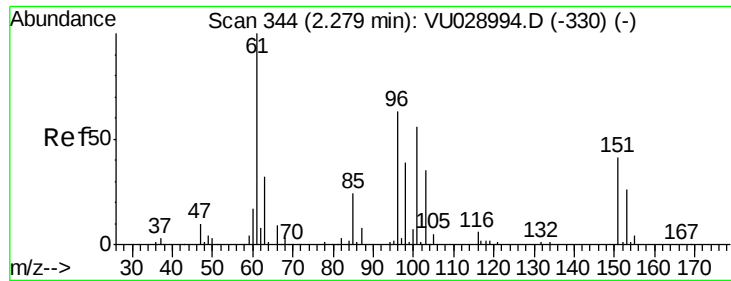
Diethyl Ether
 Concen: 19.523 ug/l
 RT: 2.10 min Scan# 289
 Delta R.T. 0.00 min
 Lab File: VU029162.D
 Acq: 14 Jan 2019 13:48

Tgt Ion: 74 Resp: 16580
 Ion Ratio Lower Upper
 74 100
 45 101.8 46.9 140.6



Abundance Ion 74.00 (73.70 to 74.70): VU0
 Ion 45.00 (44.70 to 45.70): VU0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.149 ug/l

RT: 2.28 min Scan# 345

Delta R.T. 0.00 min

Lab File: VU029162.D

Acq: 14 Jan 2019 13:48

Instrument :

MSVOA_U

ClientSampleId :

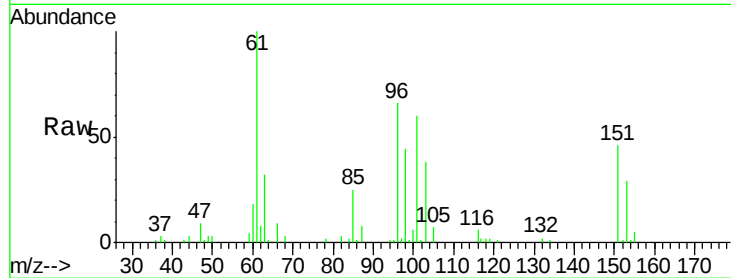
Tot Ion:101 Resp: 23832

Ion Ratio Lower Upper

101 100

85 41.4 35.1 52.7

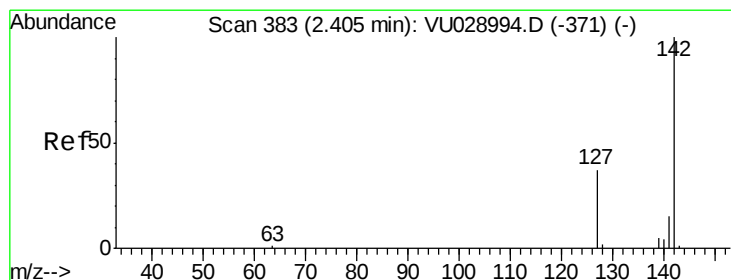
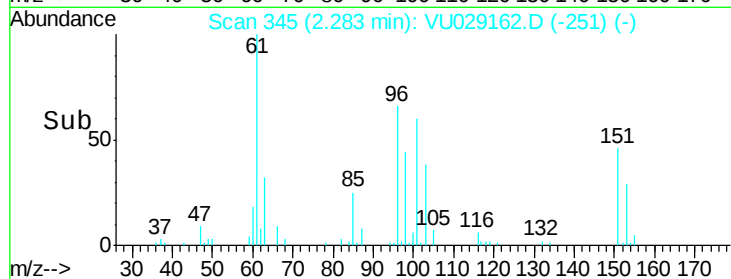
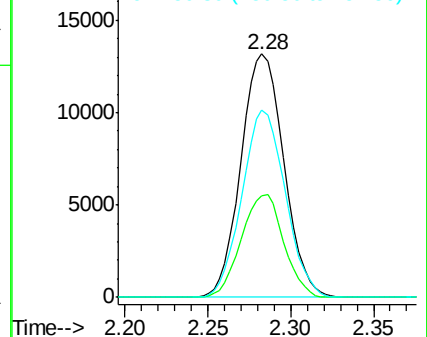
151 77.5 60.2 90.2



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: 16.699 ug/l

RT: 2.41 min Scan# 384

Delta R.T. 0.00 min

Lab File: VU029162.D

Acq: 14 Jan 2019 13:48

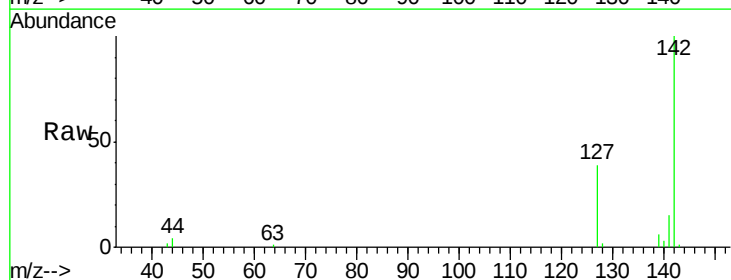
Tgt Ion:142 Resp: 18572

Ion Ratio Lower Upper

142 100

127 38.7 29.8 44.6

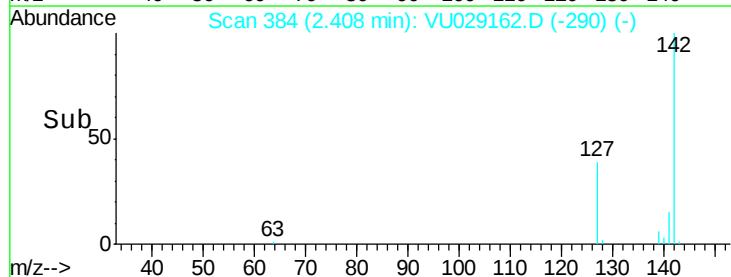
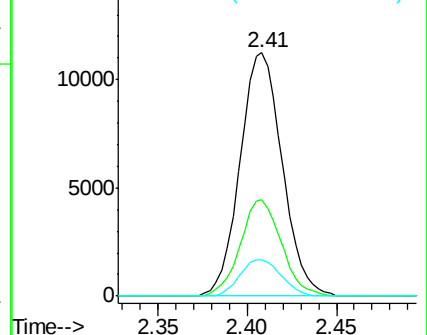
141 14.6 11.5 17.3



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



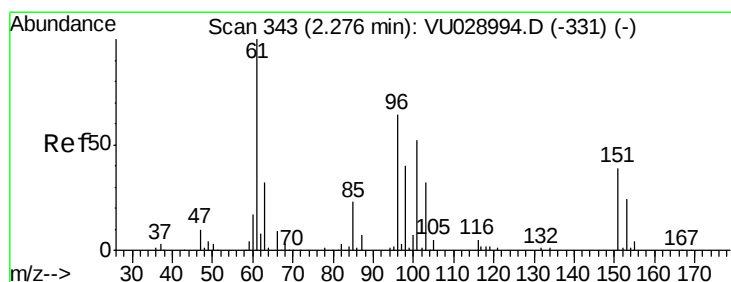
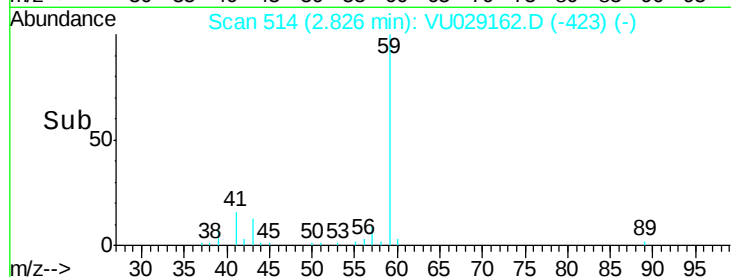
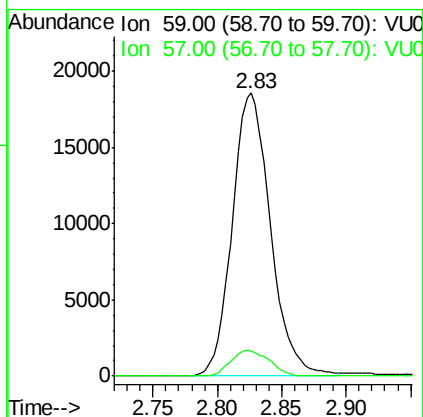
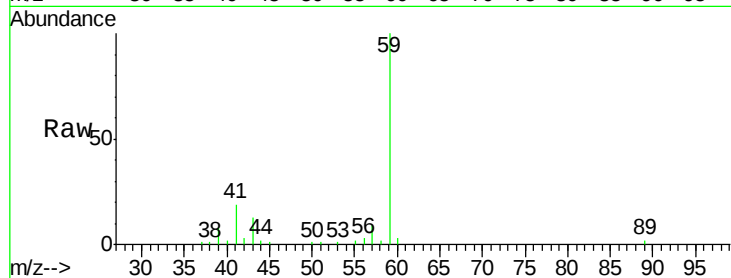


#11

Tert butyl alcohol
 Concen: 109.945 ug/l
 RT: 2.83 min Scan# 514
 Delta R.T. -0.01 min
 Lab File: VU029162.D
 Acq: 14 Jan 2019 13:48

Instrument :
 MSVOA_U
 ClientSampleId :

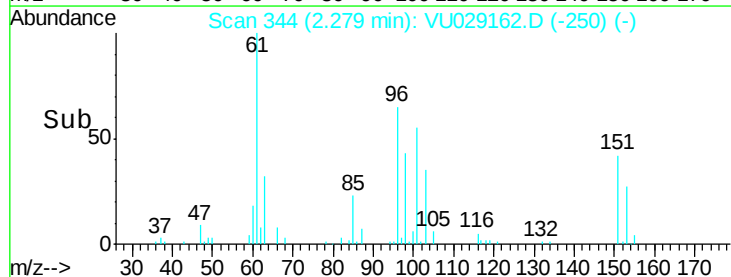
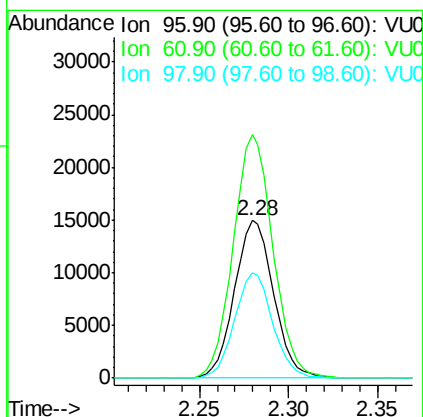
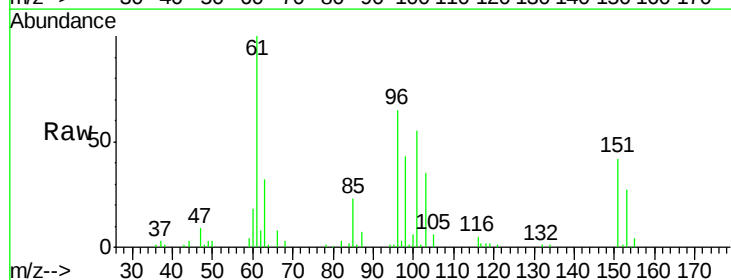
Tot Ion: 59 Resp: 38349
 Ion Ratio Lower Upper
 59 100
 57 9.1 7.9 11.9

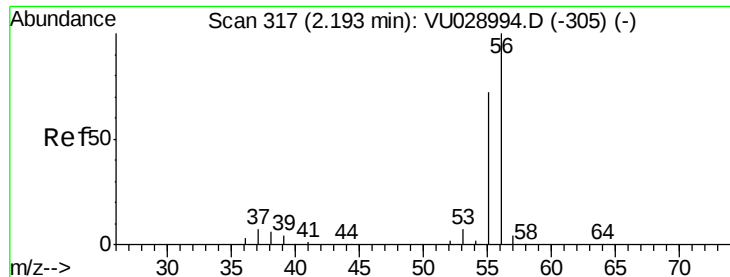


#12

1,1-Dichloroethene
 Concen: 19.925 ug/l
 RT: 2.28 min Scan# 344
 Delta R.T. 0.00 min
 Lab File: VU029162.D
 Acq: 14 Jan 2019 13:48

Tgt Ion: 96 Resp: 22939
 Ion Ratio Lower Upper
 96 100
 61 154.4 125.4 188.0
 98 66.9 49.7 74.5





#13

Acrolein

Concen: 88.754 ug/l

RT: 2.19 min Scan# 317

Delta R.T. 0.00 min

Lab File: VU029162.D

Acq: 14 Jan 2019 13:48

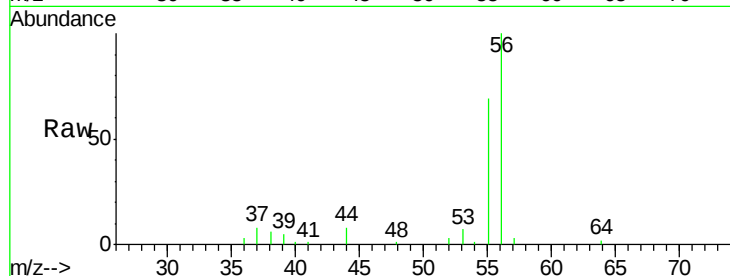
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 56 Resp: 23246

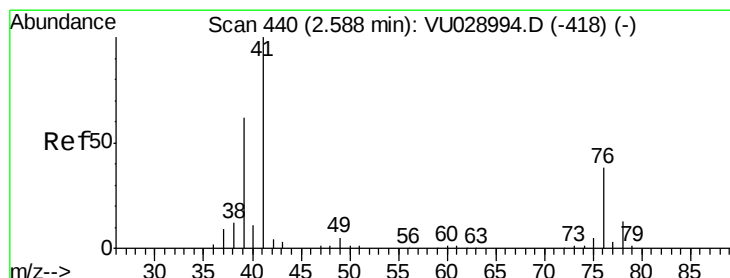
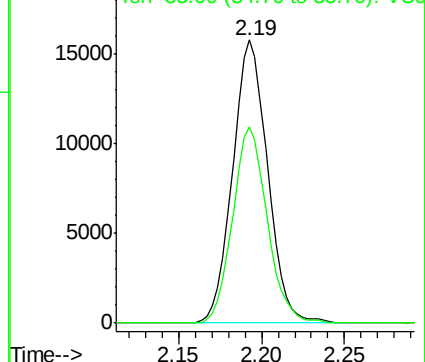
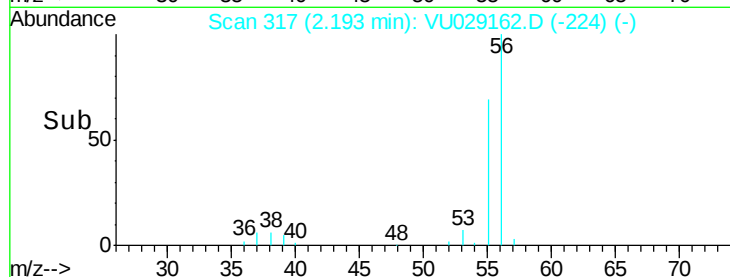
Ion Ratio Lower Upper

56 100

55 68.3 56.5 84.7



Abundance Ion 56.00 (55.70 to 56.70): VU029162.D (-224) (-)



#14

Allyl chloride

Concen: 18.411 ug/l

RT: 2.59 min Scan# 440

Delta R.T. 0.00 min

Lab File: VU029162.D

Acq: 14 Jan 2019 13:48

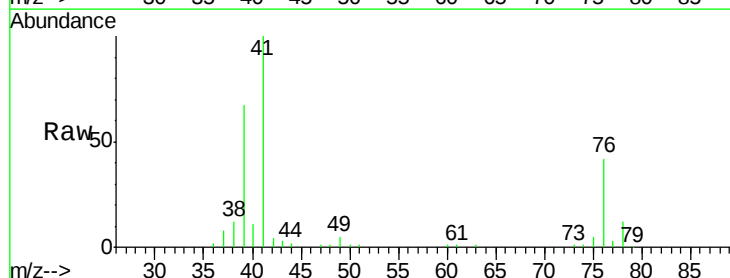
Tgt Ion: 41 Resp: 38892

Ion Ratio Lower Upper

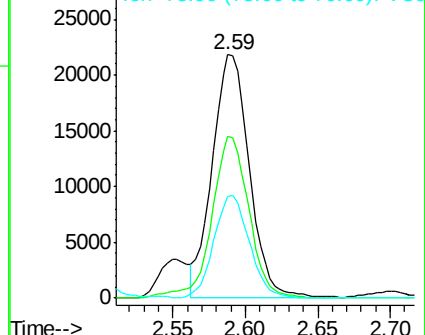
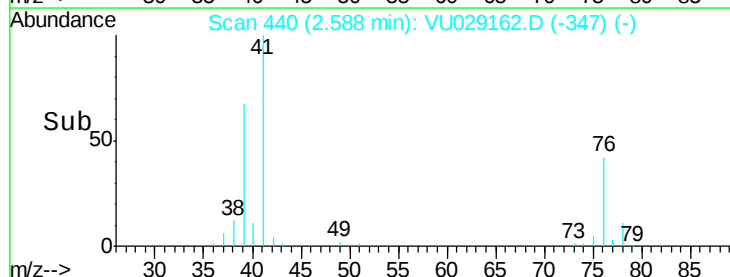
41 100

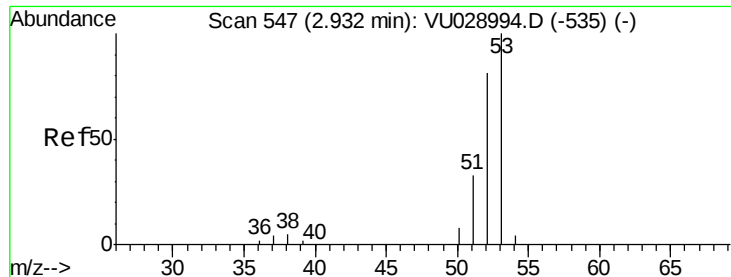
39 65.9 45.0 67.6

76 40.1 28.1 42.1



Abundance Ion 41.00 (40.70 to 41.70): VU029162.D (-347) (-)





#15

Acrylonitrile

Concen: 108.687 ug/l

RT: 2.93 min Scan# 547

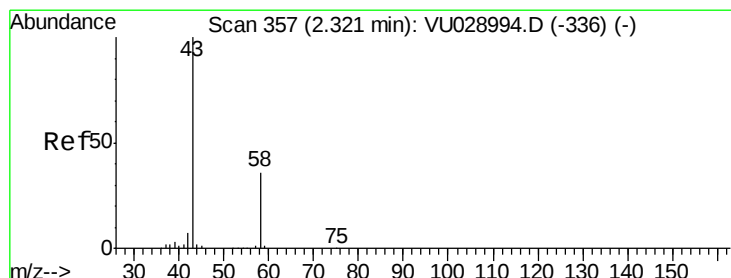
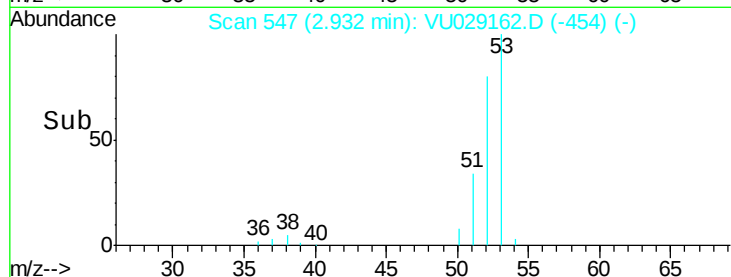
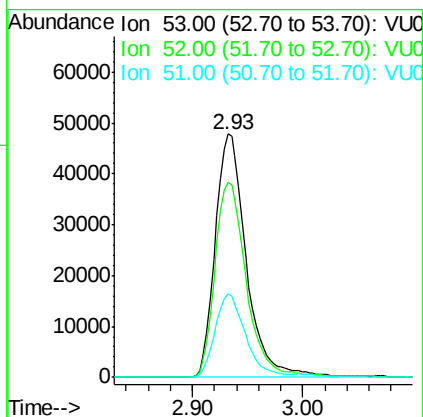
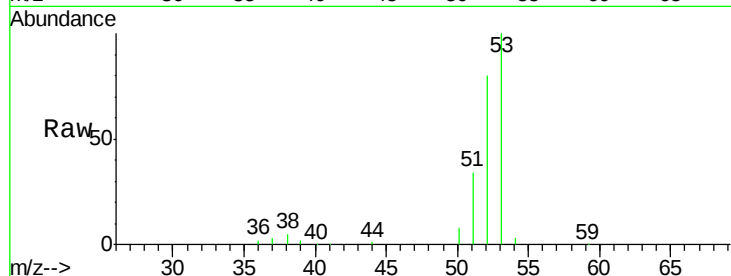
Delta R.T. 0.00 min

Lab File: VU029162.D

Acq: 14 Jan 2019 13:48

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion:	53	Resp:	93007
Ion	Ratio	Lower	Upper
53	100		
52	81.8	64.8	97.2
51	33.7	27.3	40.9



#16

Acetone

Concen: 89.153 ug/l

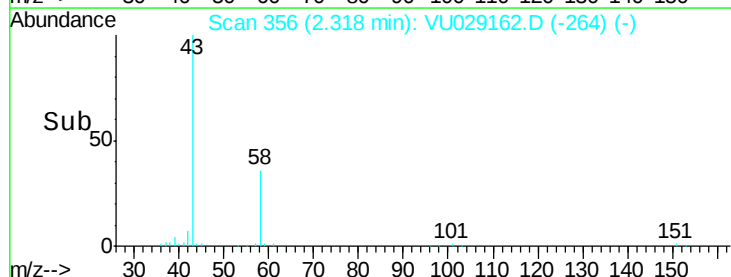
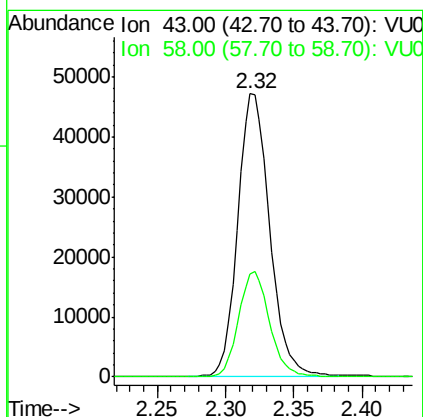
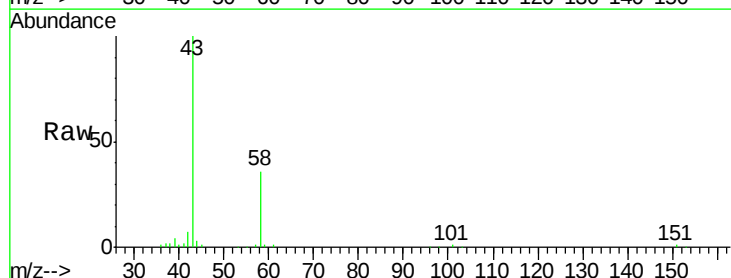
RT: 2.32 min Scan# 356

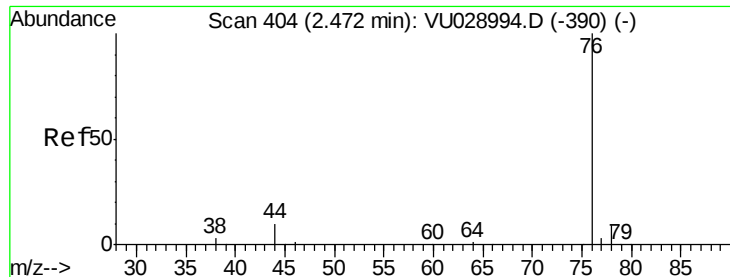
Delta R.T. -0.00 min

Lab File: VU029162.D

Acq: 14 Jan 2019 13:48

Tgt Ion:	43	Resp:	77069
Ion	Ratio	Lower	Upper
43	100		
58	36.3	28.6	42.8

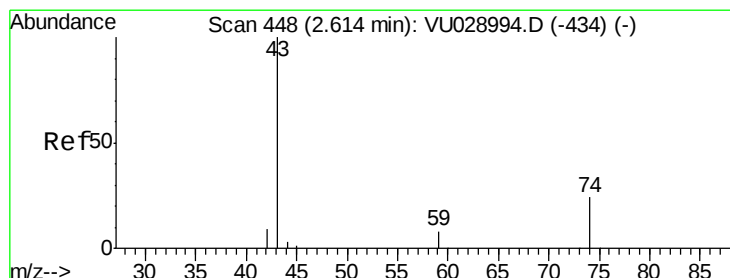
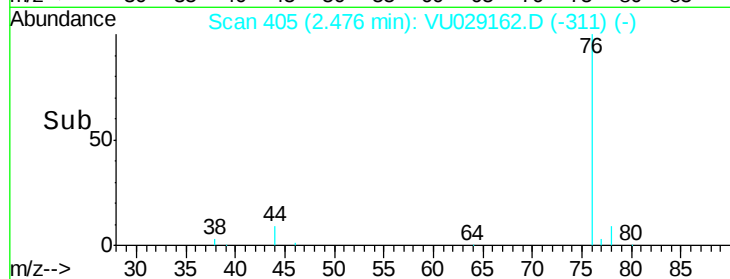
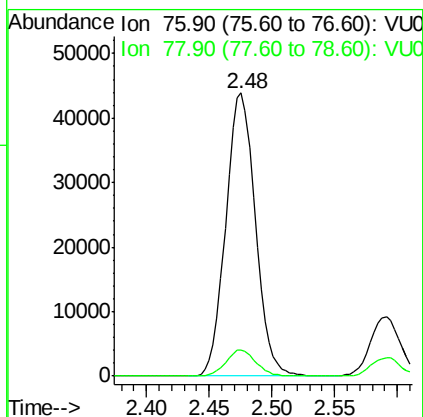
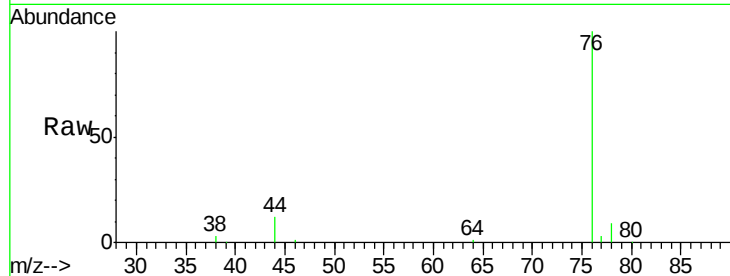




#17
Carbon Disulfide
Concen: 18.547 ug/l
RT: 2.48 min Scan# 405
Delta R.T. 0.00 min
Lab File: VU029162.D
Acq: 14 Jan 2019 13:48

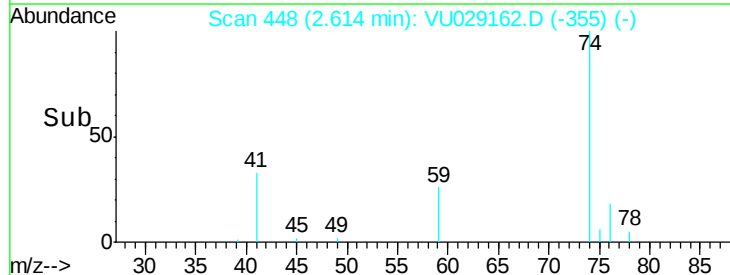
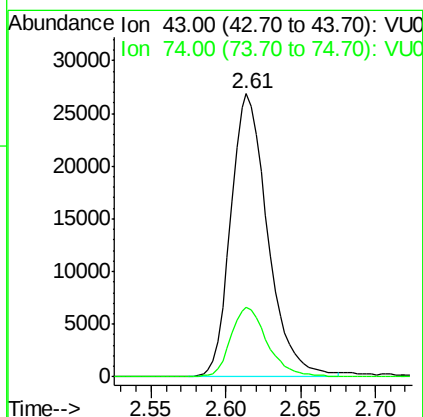
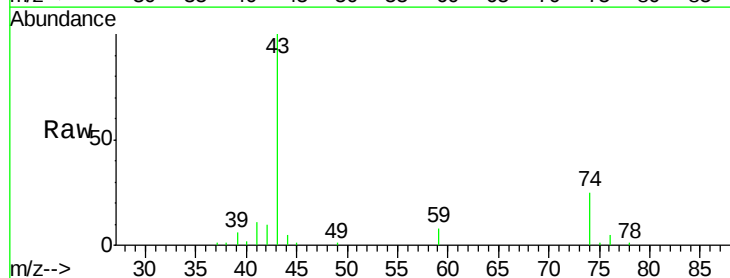
Instrument :
MSVOA_U
ClientSampleId :

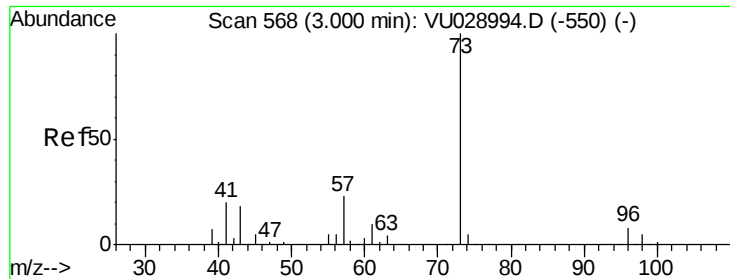
Tot Ion: 76 Resp: 72046
Ion Ratio Lower Upper
76 100
78 9.5 7.2 10.8



#18
Methyl Acetate
Concen: 22.996 ug/l
RT: 2.61 min Scan# 448
Delta R.T. 0.00 min
Lab File: VU029162.D
Acq: 14 Jan 2019 13:48

Tgt Ion: 43 Resp: 46223
Ion Ratio Lower Upper
43 100
74 24.3 19.5 29.3

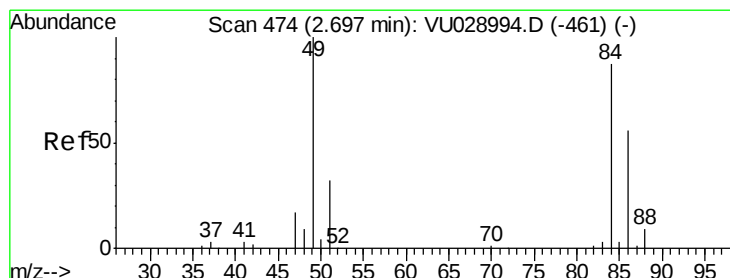
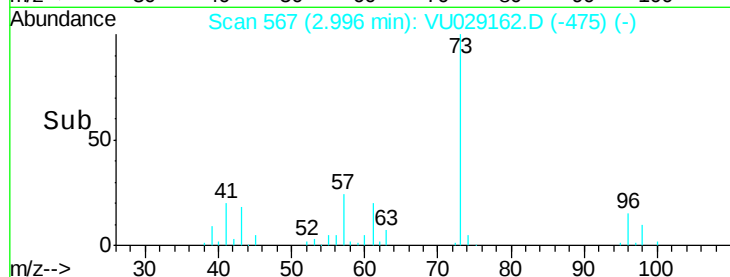
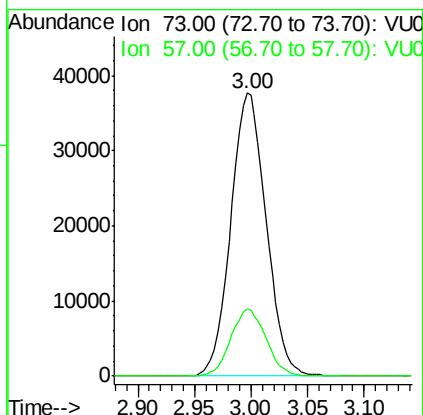
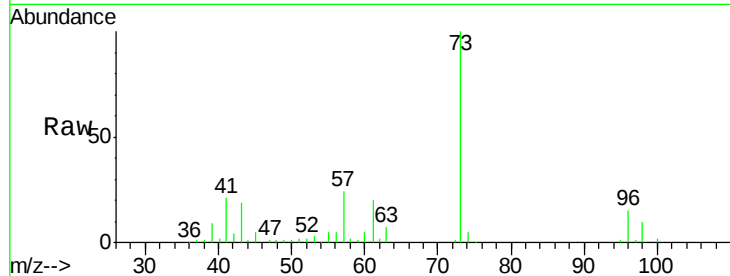




#19
Methvl tert-butvl Ether
Concen: 20.220 ug/l
RT: 3.00 min Scan# 567
Delta R.T. -0.00 min
Lab File: VU029162.D
Acq: 14 Jan 2019 13:48

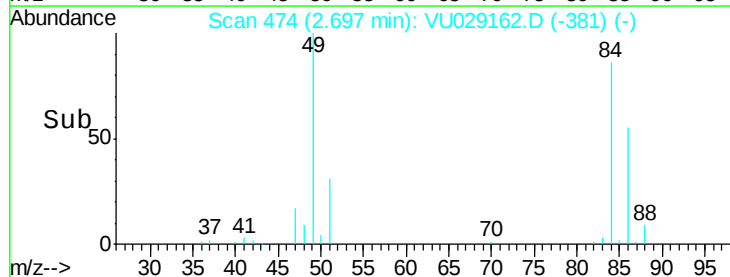
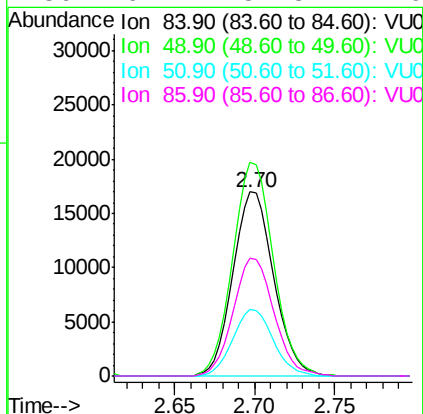
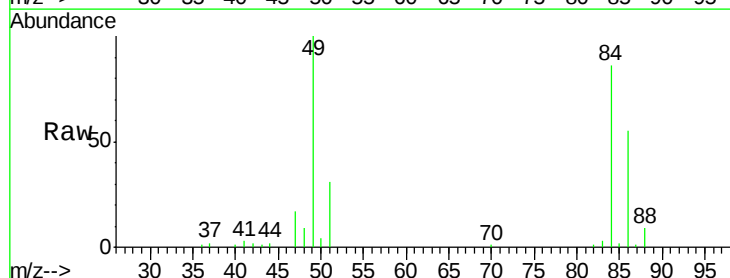
Instrument :
MSVOA_U
ClientSampleId :

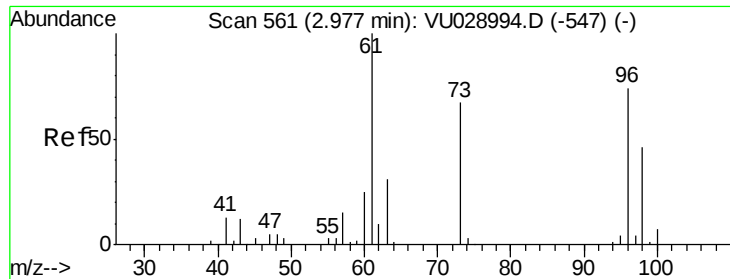
Tot Ion: 73 Resp: 81843
Ion Ratio Lower Upper
73 100
57 23.6 18.6 28.0



#20
Methylene Chloride
Concen: 20.130 ug/l
RT: 2.70 min Scan# 474
Delta R.T. 0.00 min
Lab File: VU029162.D
Acq: 14 Jan 2019 13:48

Tgt Ion: 84 Resp: 29545
Ion Ratio Lower Upper
84 100
49 116.1 91.9 137.9
51 36.0 29.2 43.8
86 64.2 51.8 77.6

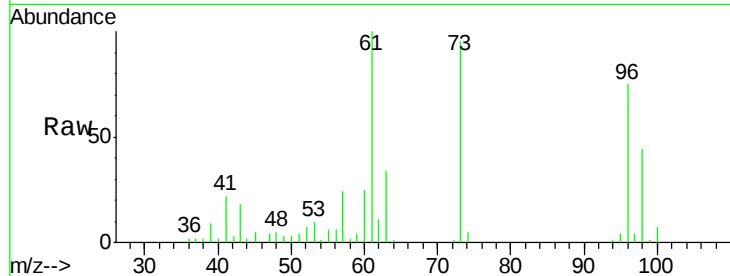




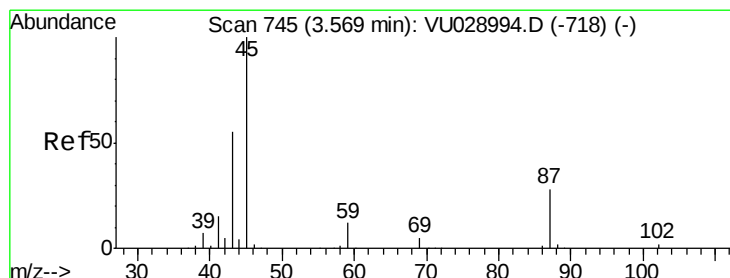
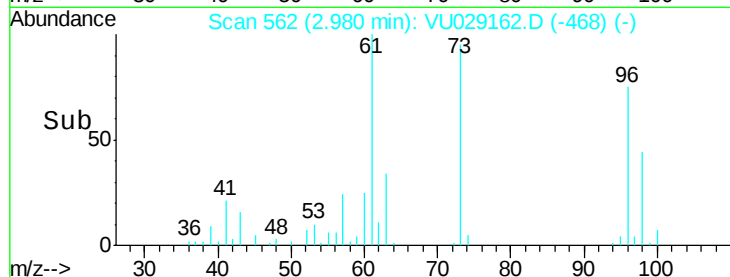
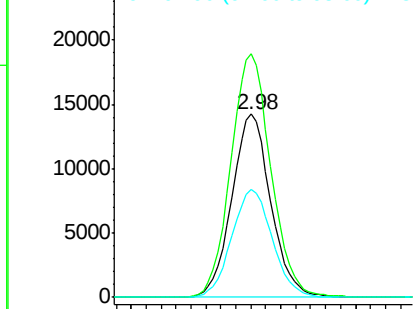
#21
trans-1,2-Dichloroethene
Concen: 19.245 ug/l
RT: 2.98 min Scan# 562
Delta R.T. 0.00 min
Lab File: VU029162.D
Acq: 14 Jan 2019 13:48

Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 96 Resp: 25742
Ion Ratio Lower Upper
96 100
61 133.2 107.7 161.5
98 59.0 49.2 73.8

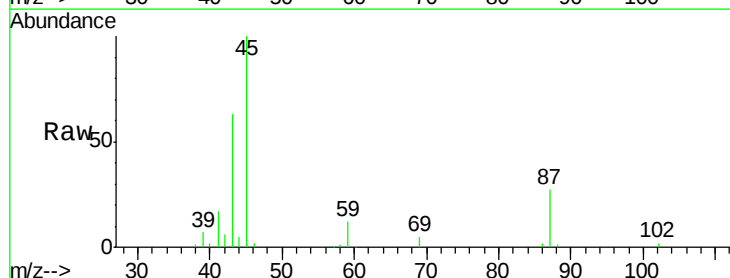


Abundance Ion 95.90 (95.60 to 96.60): VU0
Ion 60.90 (60.60 to 61.60): VU0
Ion 97.90 (97.60 to 98.60): VU0

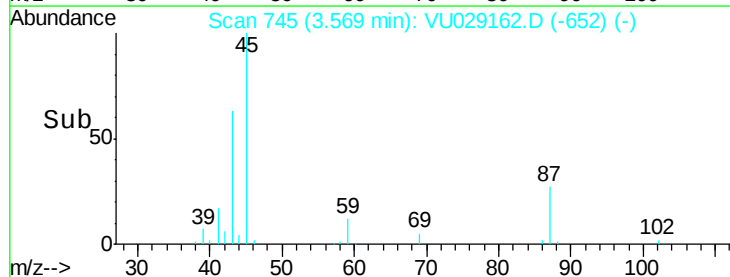
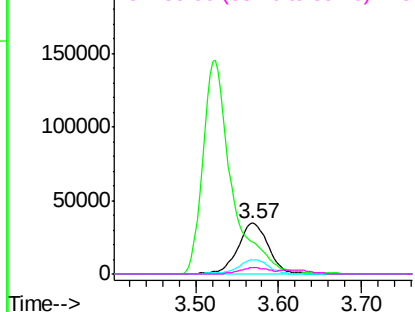


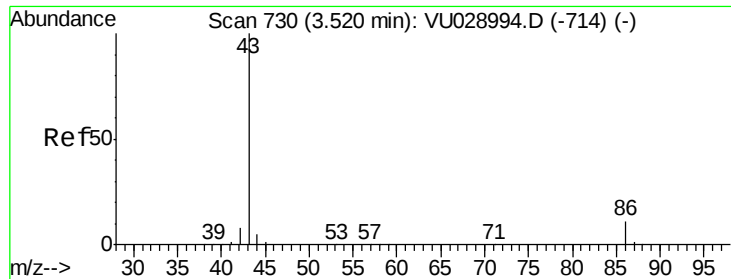
#22
Diisopropyl ether
Concen: 21.179 ug/l
RT: 3.57 min Scan# 745
Delta R.T. 0.00 min
Lab File: VU029162.D
Acq: 14 Jan 2019 13:48

Tgt Ion: 45 Resp: 88418
Ion Ratio Lower Upper
45 100
43 61.5 44.7 67.1
87 27.1 22.2 33.2
59 12.4 9.8 14.8



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: 104.114 ug/l

RT: 3.52 min Scan# 731

Delta R.T. 0.00 min

Lab File: VU029162.D

Acq: 14 Jan 2019 13:48

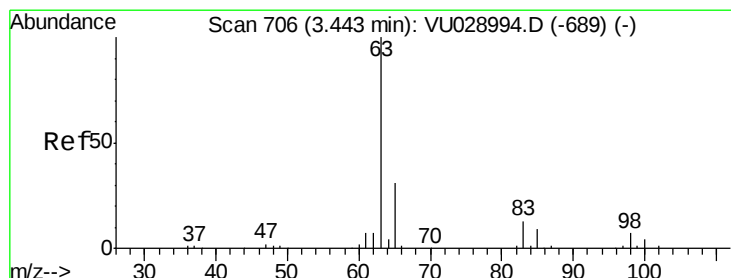
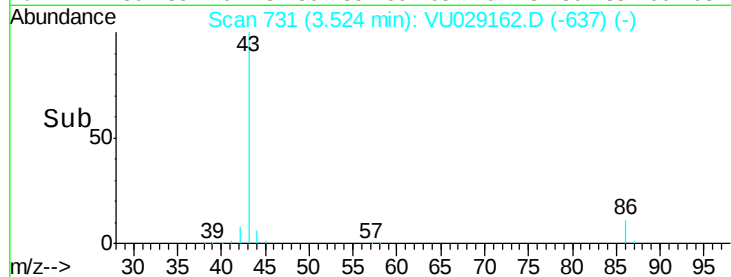
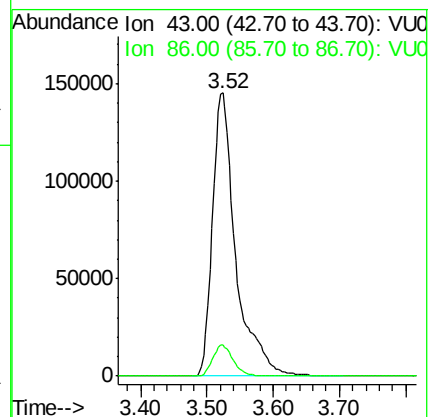
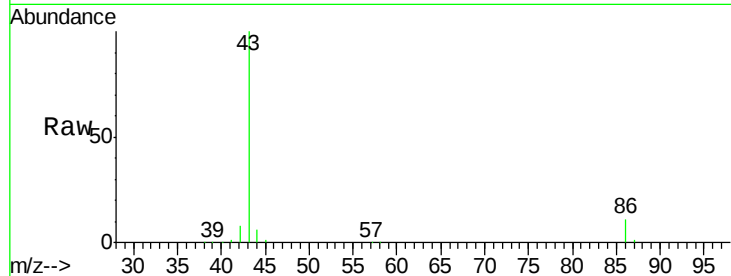
Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 43 Resp: 355342

Ion Ratio Lower Upper

43 100

86 10.9 8.6 13.0



#24

1,1-Dichloroethane

Concen: 20.986 ug/l

RT: 3.44 min Scan# 706

Delta R.T. 0.00 min

Lab File: VU029162.D

Acq: 14 Jan 2019 13:48

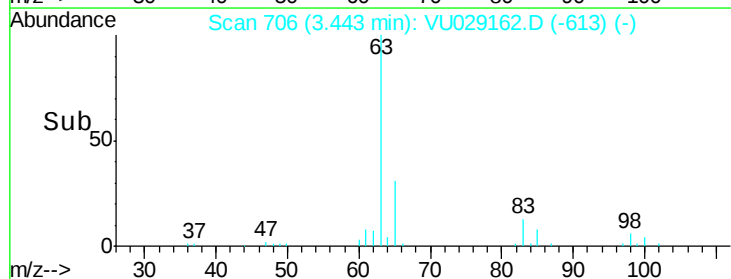
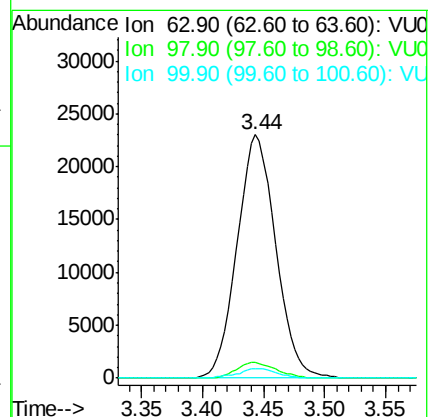
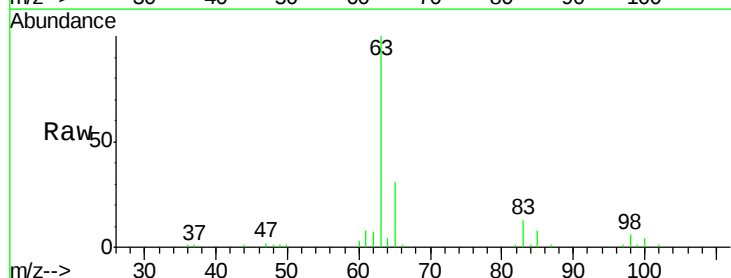
Tgt Ion: 63 Resp: 50578

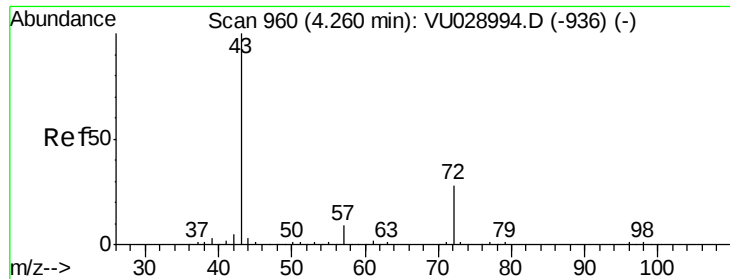
Ion Ratio Lower Upper

63 100

98 6.3 3.4 10.1

100 4.1 2.0 5.8





#25

2-Butanone

Concen: 106.561 ug/l

RT: 4.26 min Scan# 960

Delta R.T. 0.00 min

Lab File: VU029162.D

Acq: 14 Jan 2019 13:48

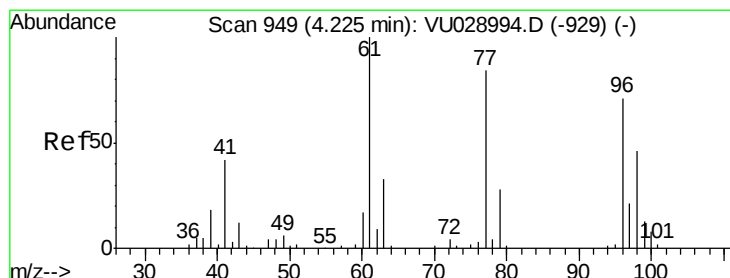
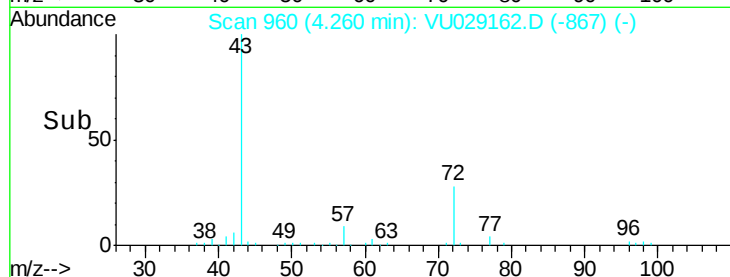
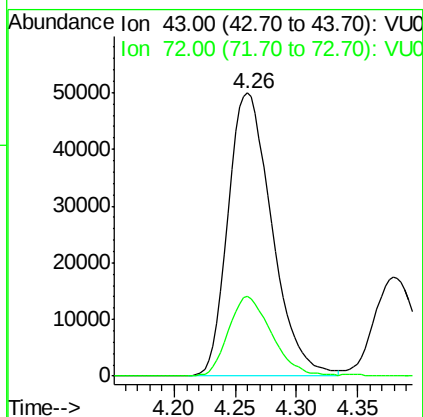
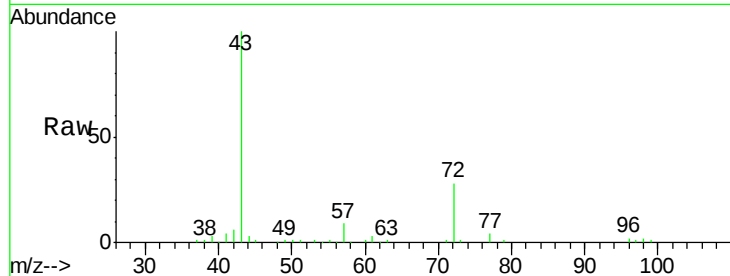
Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 43 Resp: 124418

Ion Ratio Lower Upper

43 100

72 28.4 22.6 33.8



#26

2,2-Dichloropropane

Concen: 19.585 ug/l

RT: 4.22 min Scan# 949

Delta R.T. 0.00 min

Lab File: VU029162.D

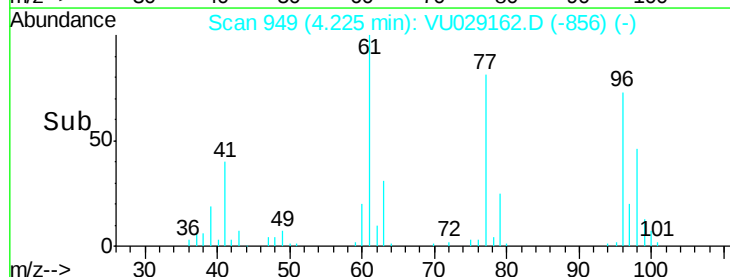
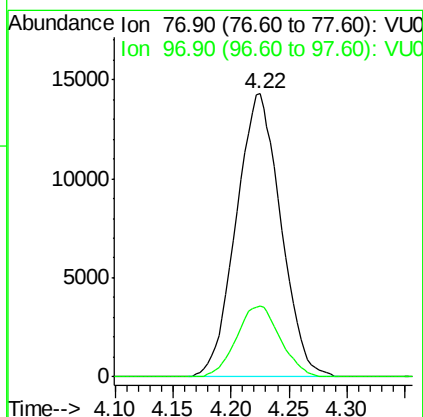
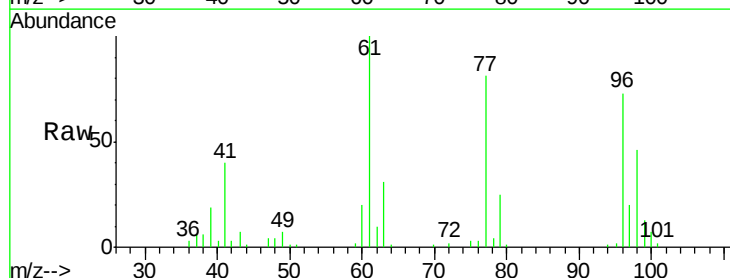
Acq: 14 Jan 2019 13:48

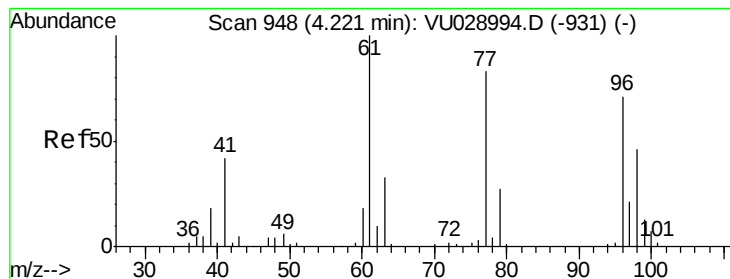
Tgt Ion: 77 Resp: 38139

Ion Ratio Lower Upper

77 100

97 24.6 12.0 36.1





#27

cis-1,2-Dichloroethene

Concen: 21.020 ug/l

RT: 4.22 min Scan# 949

Delta R.T. 0.00 min

Lab File: VU029162.D

Acq: 14 Jan 2019 13:48

Instrument :
MSVOA_U
ClientSampled :

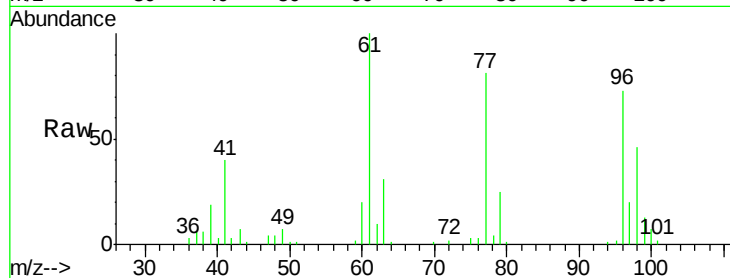
Tot Ion: 96 Resp: 30751

Ion Ratio Lower Upper

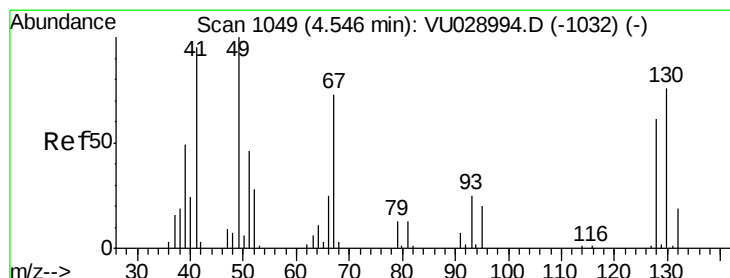
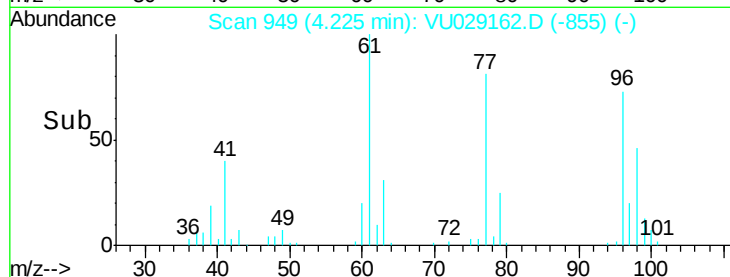
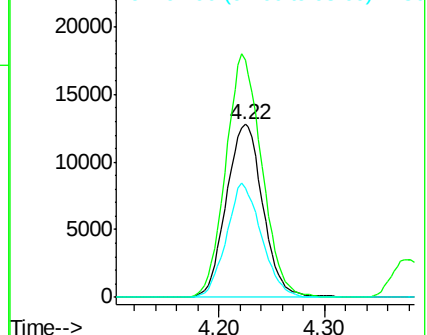
96 100

61 138.3 0.0 285.6

98 63.0 0.0 130.2



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: 21.848 ug/l

RT: 4.55 min Scan# 1049

Delta R.T. 0.00 min

Lab File: VU029162.D

Acq: 14 Jan 2019 13:48

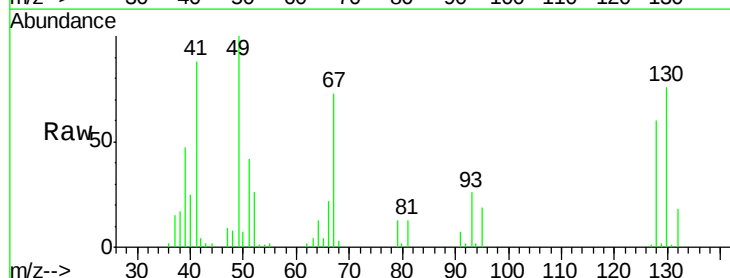
Tgt Ion: 49 Resp: 22547

Ion Ratio Lower Upper

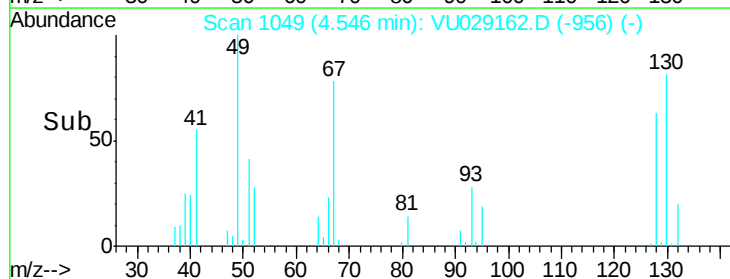
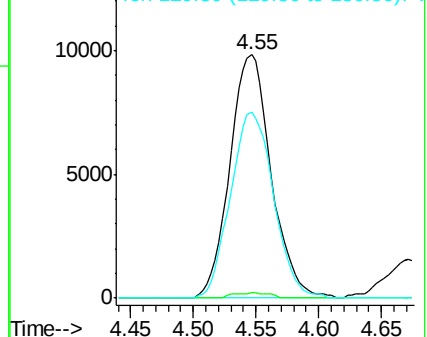
49 100

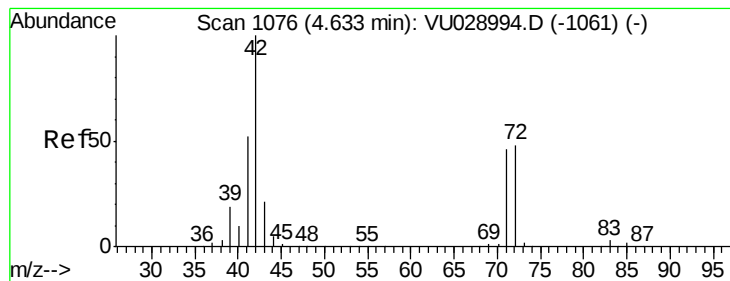
129 1.8 0.0 3.4

130 79.5 62.9 94.3



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: 113.495 ug/l

RT: 4.64 min Scan# 1077

Delta R.T. 0.00 min

Lab File: VU029162.D

Acq: 14 Jan 2019 13:48

Instrument :

MSVOA_U

ClientSampled :

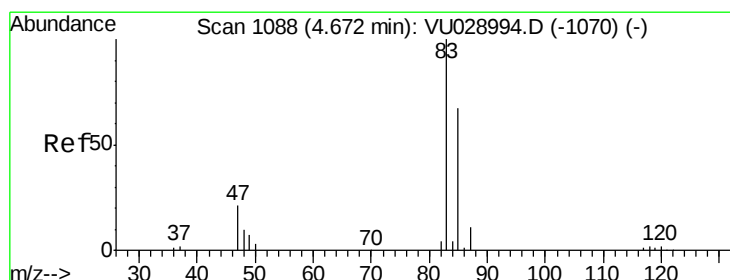
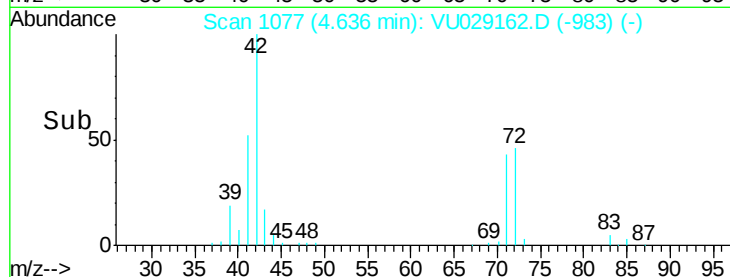
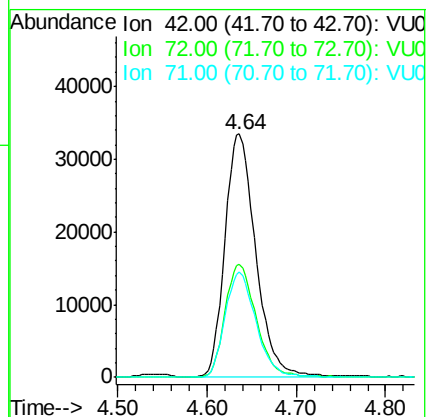
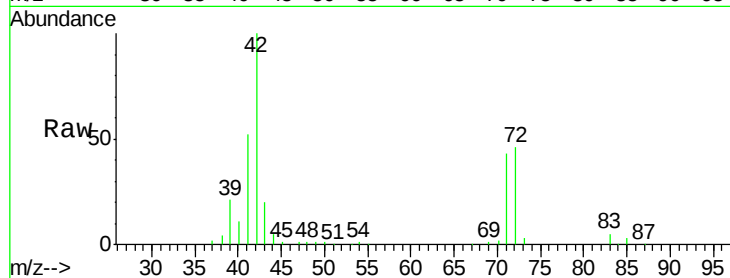
Tot Ion: 42 Resp: 80372

Ion Ratio Lower Upper

42 100

72 46.9 38.3 57.5

71 43.5 36.1 54.1



#30

Chloroform

Concen: 21.298 ug/l

RT: 4.67 min Scan# 1088

Delta R.T. 0.00 min

Lab File: VU029162.D

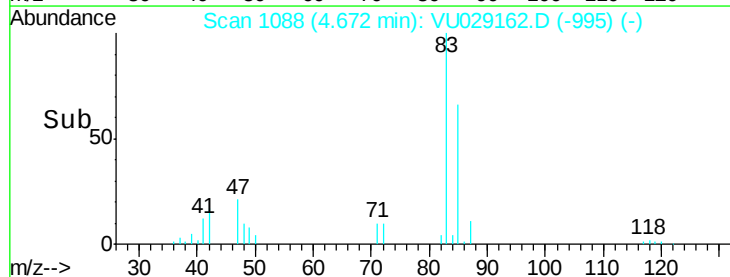
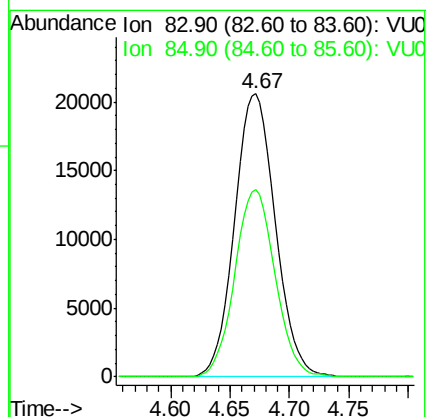
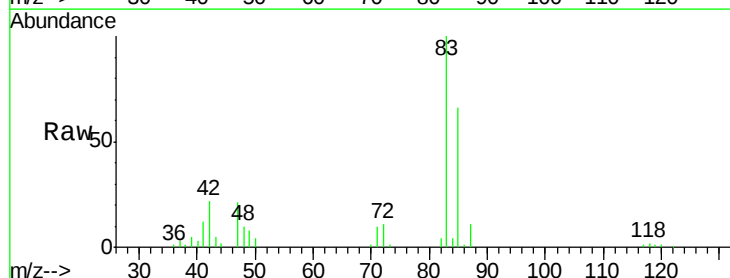
Acq: 14 Jan 2019 13:48

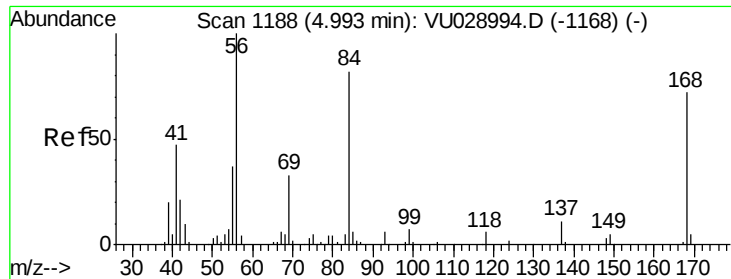
Tgt Ion: 83 Resp: 48889

Ion Ratio Lower Upper

83 100

85 66.3 53.4 80.0

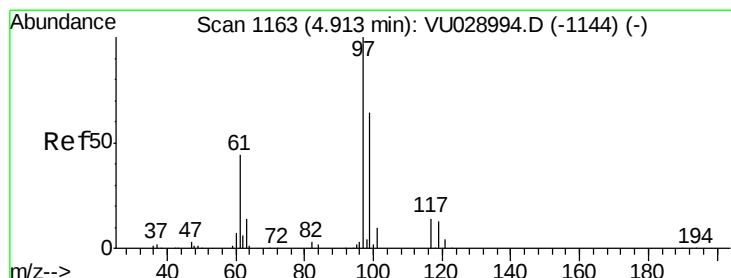
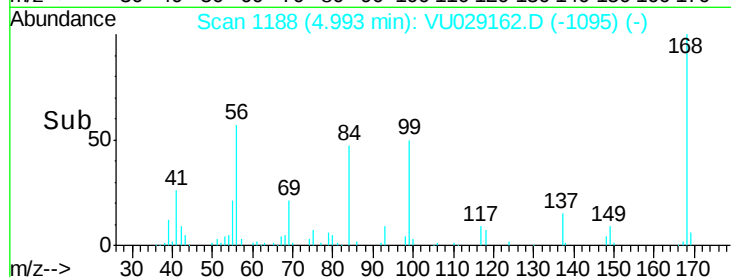
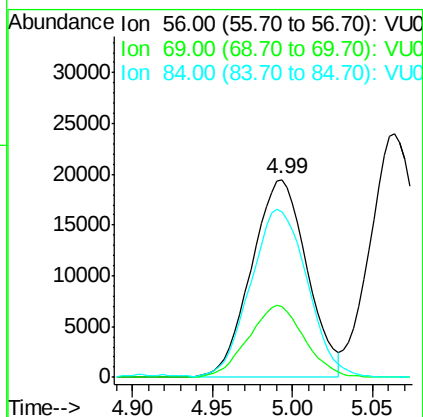
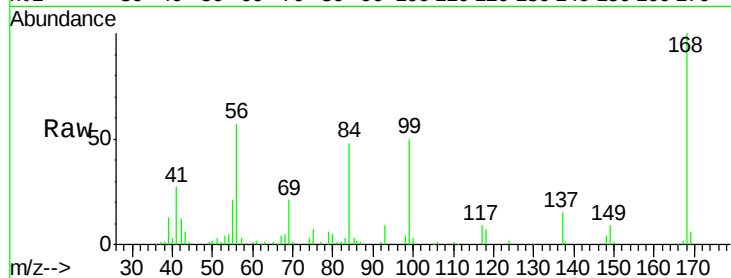




#31
Cyclohexane
Concen: 19.851 ug/l
RT: 4.99 min Scan# 1188
Delta R.T. 0.00 min
Lab File: VU029162.D
Acq: 14 Jan 2019 13:48

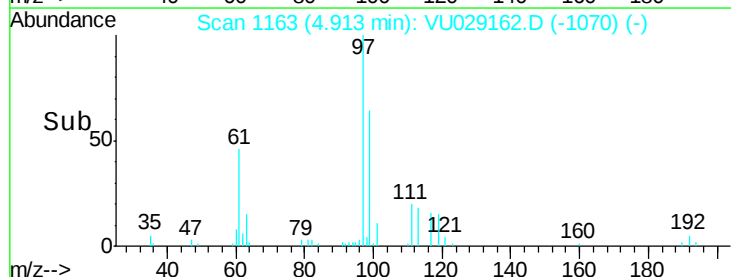
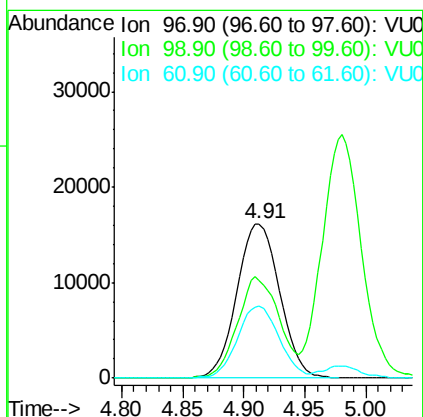
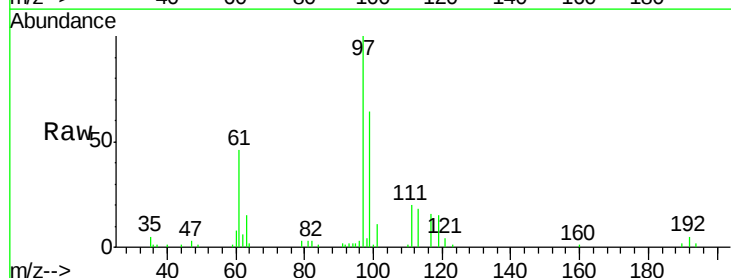
Instrument :
MSVOA_U
ClientSampleId :

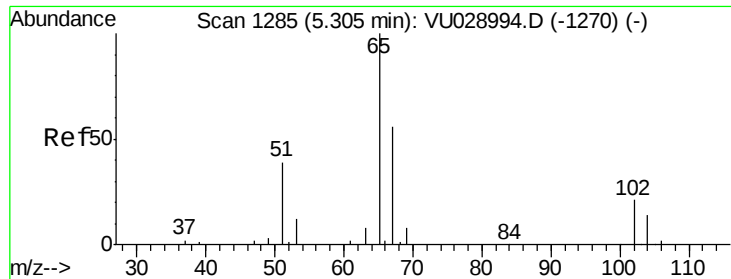
Tot Ion: 56 Resp: 46701
Ion Ratio Lower Upper
56 100
69 35.8 26.7 40.1
84 82.9 65.7 98.5



#32
1,1,1-Trichloroethane
Concen: 20.730 ug/l
RT: 4.91 min Scan# 1163
Delta R.T. 0.00 min
Lab File: VU029162.D
Acq: 14 Jan 2019 13:48

Tgt Ion: 97 Resp: 39320
Ion Ratio Lower Upper
97 100
99 64.3 51.0 76.4
61 45.6 34.4 51.6

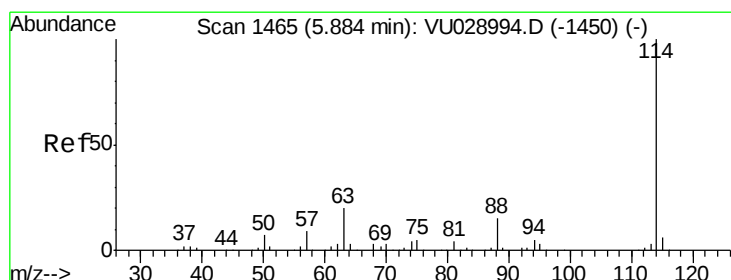
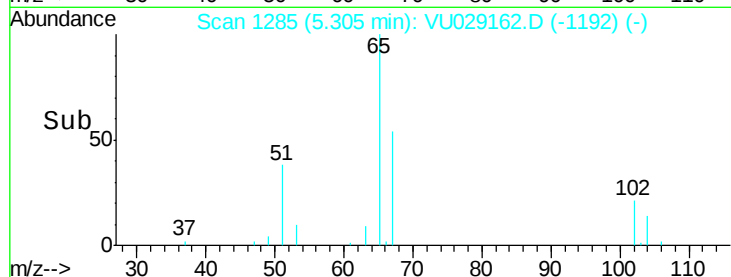
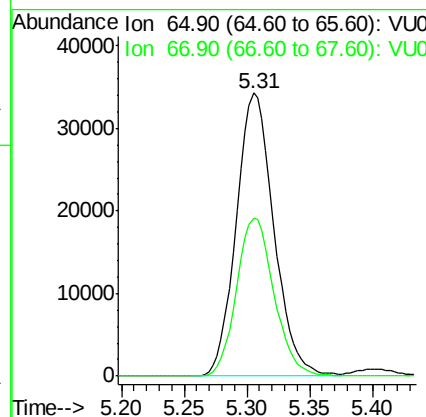
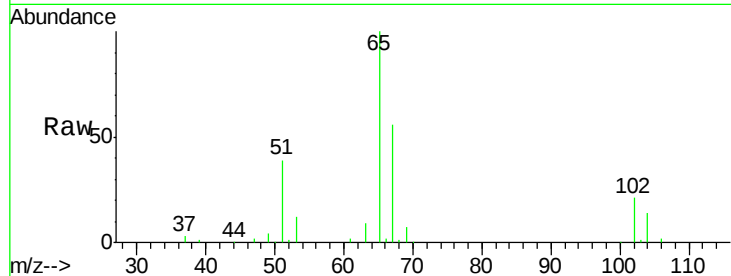




#33
 1,2-Dichloroethane-d4
 Concen: 52.226 ug/l
 RT: 5.31 min Scan# 1285
 Delta R.T. 0.00 min
 Lab File: VU029162.D
 Acq: 14 Jan 2019 13:48

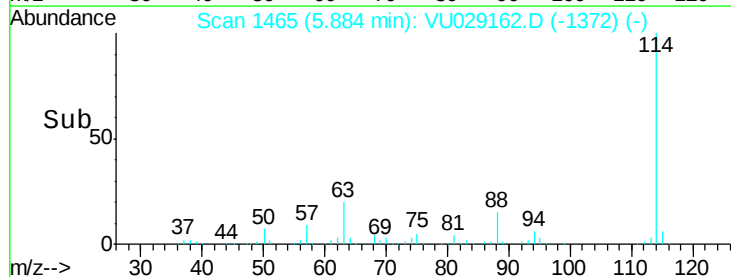
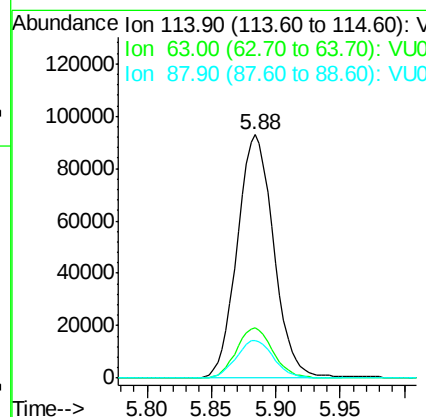
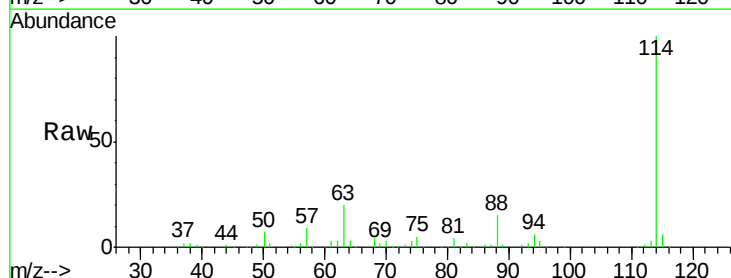
Instrument :
 MSVOA_U
 ClientSampleId :

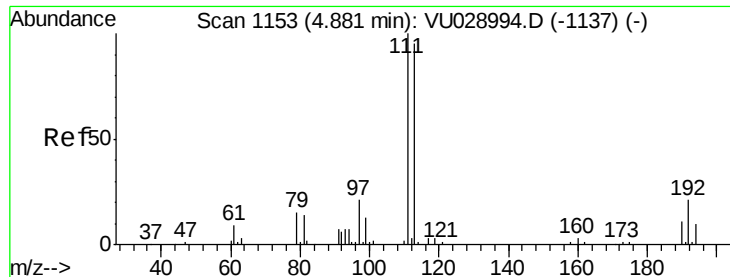
Tot Ion: 65 Resp: 71667
 Ion Ratio Lower Upper
 65 100
 67 55.5 0.0 111.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.88 min Scan# 1465
 Delta R.T. 0.00 min
 Lab File: VU029162.D
 Acq: 14 Jan 2019 13:48

Tgt Ion: 114 Resp: 182790
 Ion Ratio Lower Upper
 114 100
 63 20.4 0.0 40.2
 88 15.4 0.0 30.4





#35

Dibromofluoromethane

Concen: 50.896 ug/l

RT: 4.88 min Scan# 1153

Delta R.T. 0.00 min

Lab File: VU029162.D

Acq: 14 Jan 2019 13:48

Instrument :
MSVOA_U
ClientSampleId :

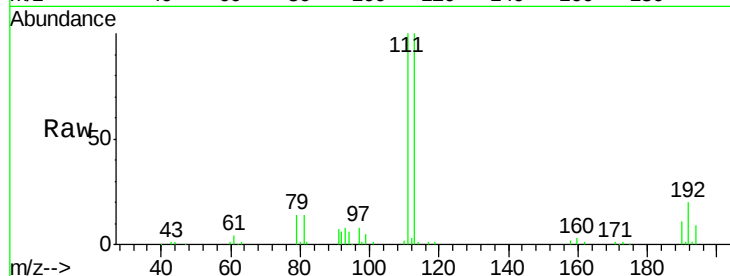
Tot Ion:113 Resp: 60307

Ion	Ratio	Lower	Upper
113	100		
111	104.2	81.4	122.2
192	21.3	16.8	25.2

113 100

111 104.2 81.4 122.2

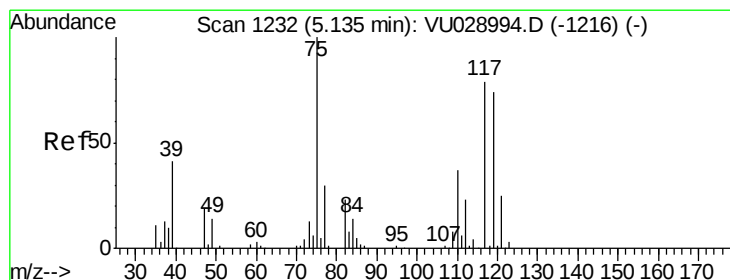
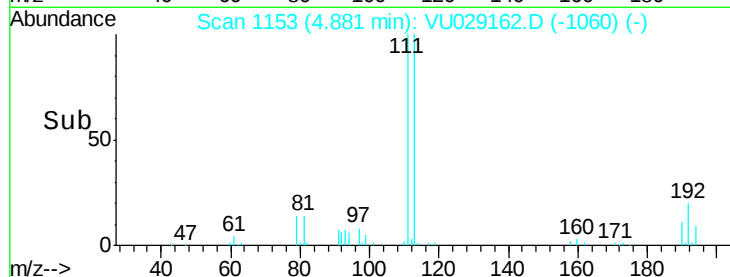
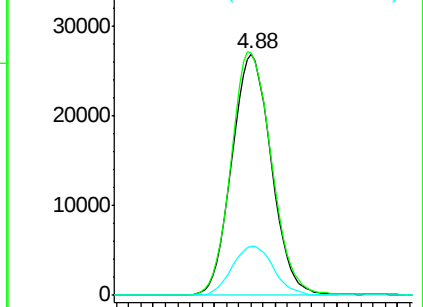
192 21.3 16.8 25.2



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: 20.021 ug/l

RT: 5.13 min Scan# 1232

Delta R.T. 0.00 min

Lab File: VU029162.D

Acq: 14 Jan 2019 13:48

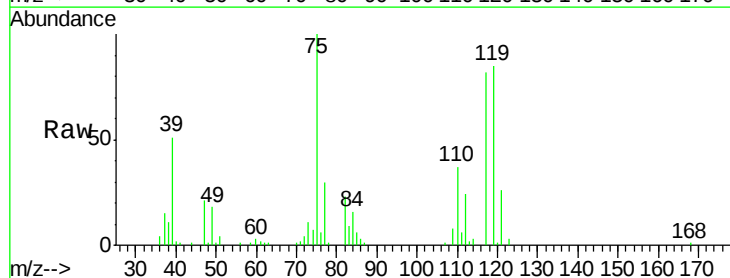
Tgt Ion: 75 Resp: 36580

Ion	Ratio	Lower	Upper
75	100		
110	35.6	18.4	55.4
77	30.2	25.1	37.7

75 100

110 35.6 18.4 55.4

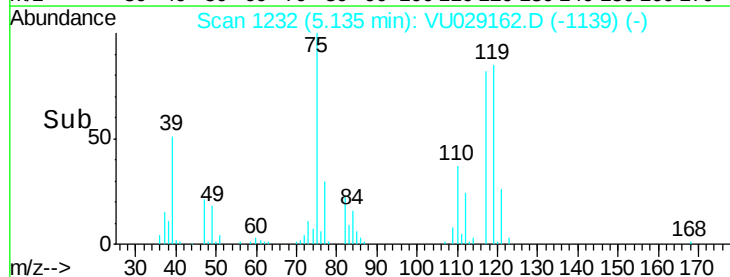
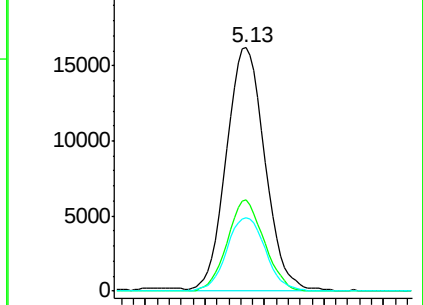
77 30.2 25.1 37.7

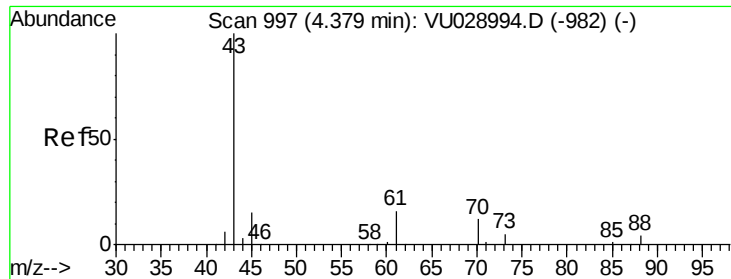


Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VU0





#37

Ethyl Acetate

Concen: 21.655 ug/l

RT: 4.38 min Scan# 997

Delta R.T. 0.00 min

Lab File: VU029162.D

Acq: 14 Jan 2019 13:48

Instrument :
MSVOA_U
ClientSampled :

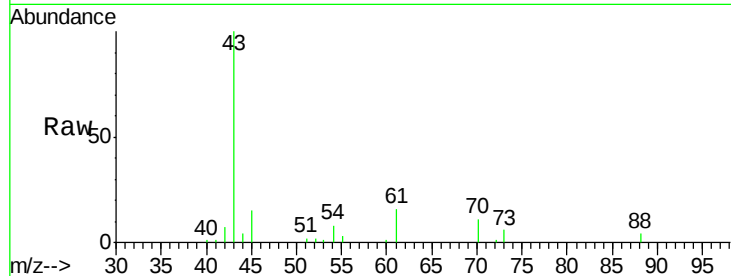
Tot Ion: 43 Resp: 43429

Ion Ratio Lower Upper

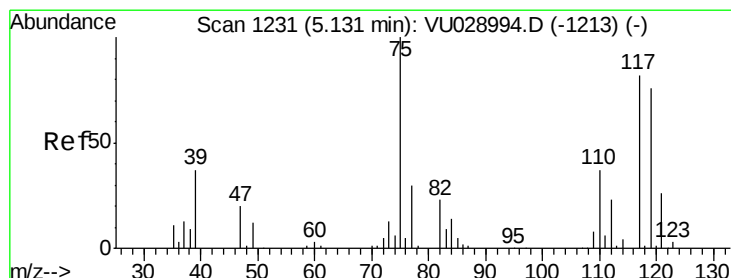
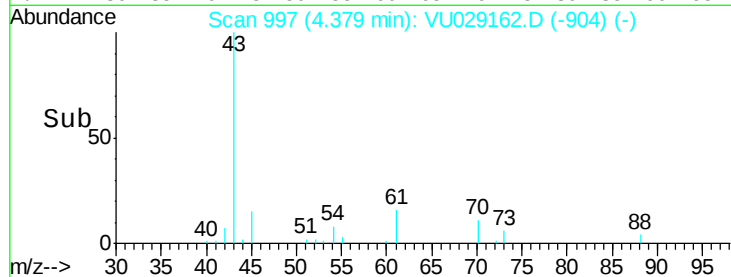
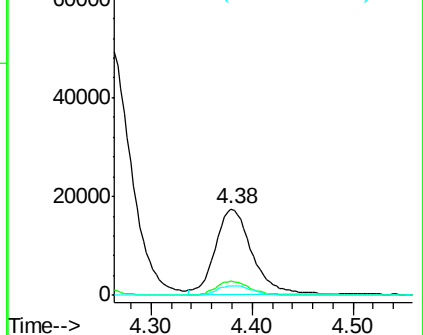
43 100

61 15.6 12.6 18.8

70 11.2 9.3 13.9



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: 20.699 ug/l

RT: 5.13 min Scan# 1231

Delta R.T. 0.00 min

Lab File: VU029162.D

Acq: 14 Jan 2019 13:48

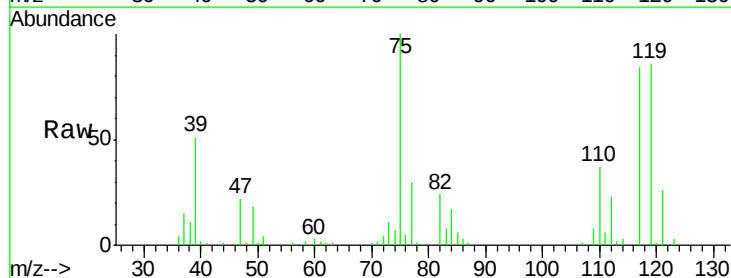
Tgt Ion: 117 Resp: 31542

Ion Ratio Lower Upper

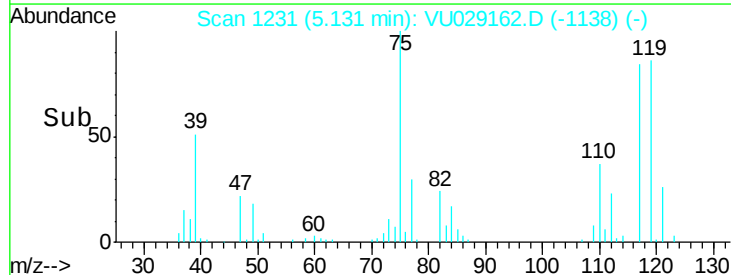
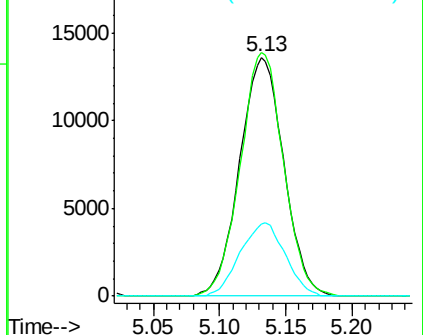
117 100

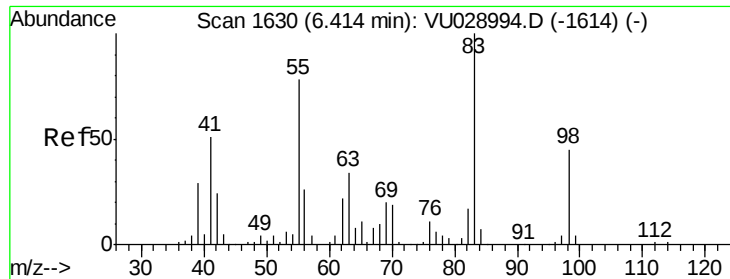
119 102.1 74.6 111.8

121 30.3 25.0 37.6



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

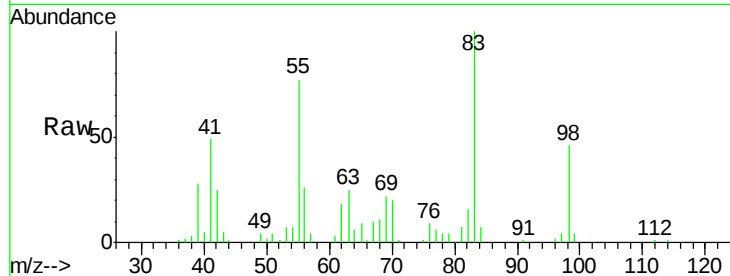




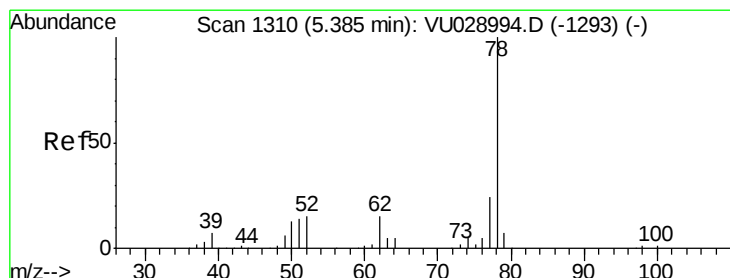
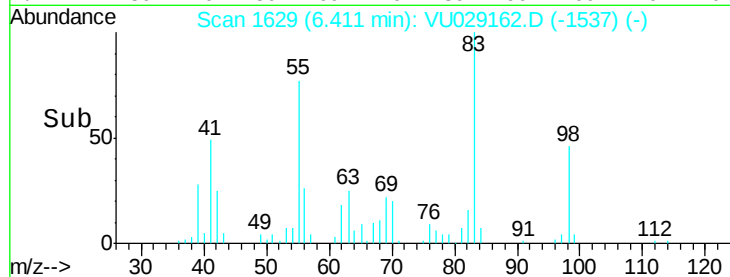
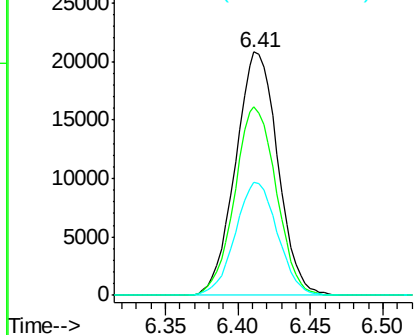
#39
Methvlcvclohexane
Concen: 18.803 ug/l
RT: 6.41 min Scan# 1629
Delta R.T. -0.00 min
Lab File: VU029162.D
Acq: 14 Jan 2019 13:48

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 83 Resp: 42234
Ion Ratio Lower Upper
83 100
55 77.5 62.4 93.6
98 46.3 36.2 54.2

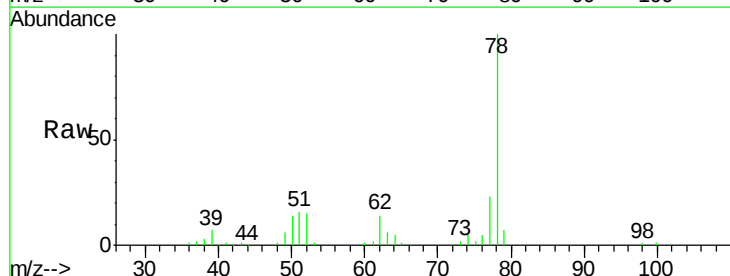


Abundance Ion 83.00 (82.70 to 83.70): VU0
Ion 55.00 (54.70 to 55.70): VU0
Ion 98.00 (97.70 to 98.70): VU0

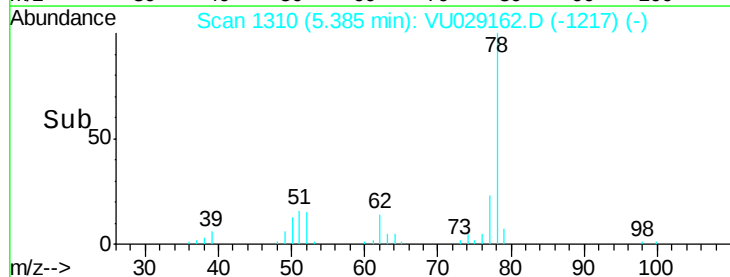
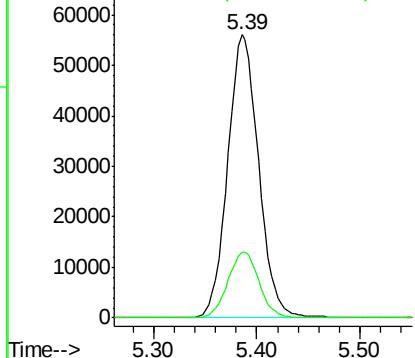


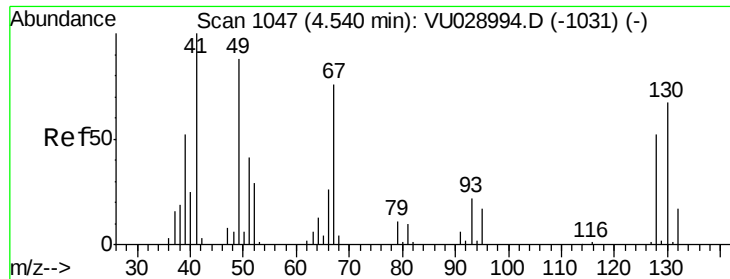
#40
Benzene
Concen: 20.563 ug/l
RT: 5.39 min Scan# 1310
Delta R.T. 0.00 min
Lab File: VU029162.D
Acq: 14 Jan 2019 13:48

Tgt Ion: 78 Resp: 117193
Ion Ratio Lower Upper
78 100
77 23.2 18.9 28.3



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

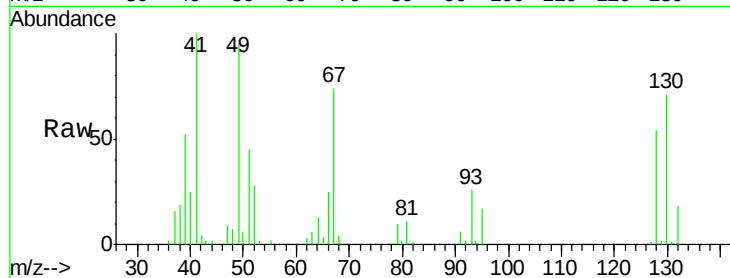




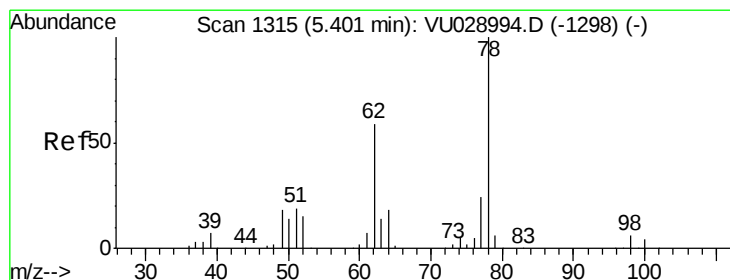
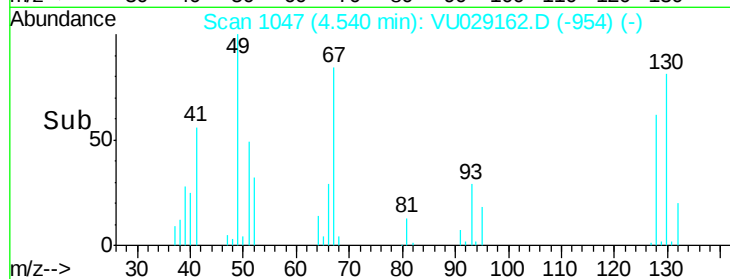
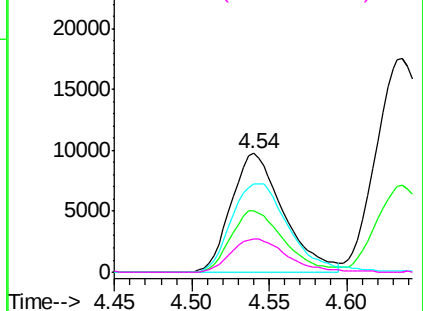
#41
Methacrylonitrile
Concen: 21.350 ug/l
RT: 4.54 min Scan# 1047
Delta R.T. 0.00 min
Lab File: VU029162.D
Acq: 14 Jan 2019 13:48

Instrument :
MSVOA_U
ClientSampled :

Tot Ion:	41	Resp:	22919
Ion	Ratio	Lower	Upper
41	100		
39	52.6	42.3	63.5
67	82.5	64.4	96.6
52	29.9	23.9	35.9

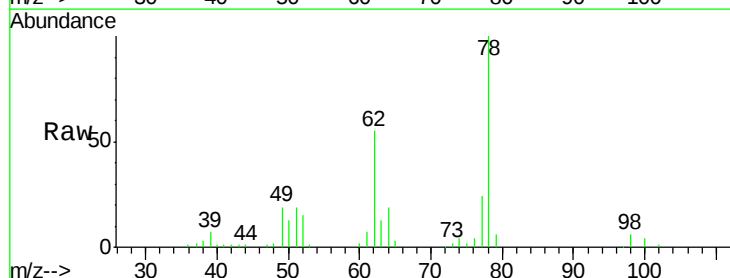


Abundance Ion 41.00 (40.70 to 41.70): VU0
Ion 39.00 (38.70 to 39.70): VU0
Ion 67.00 (66.70 to 67.70): VU0
Ion 52.00 (51.70 to 52.70): VU0

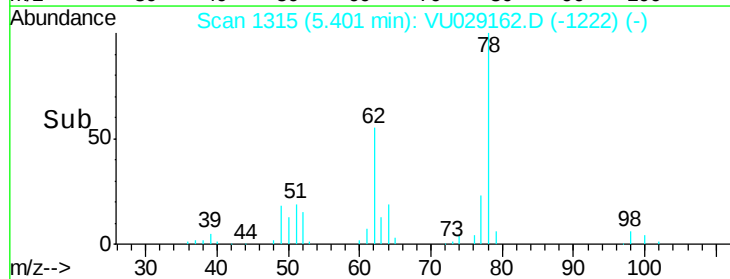
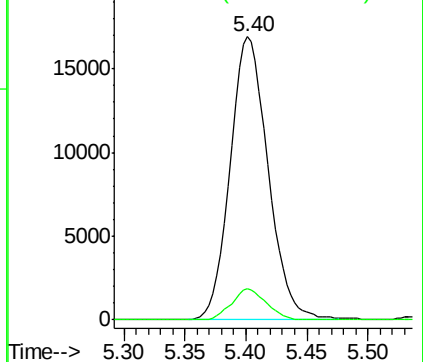


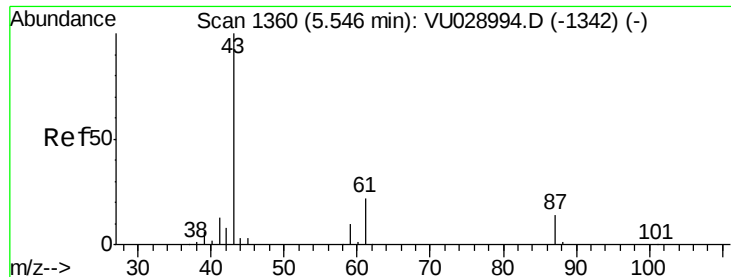
#42
1,2-Dichloroethane
Concen: 21.383 ug/l
RT: 5.40 min Scan# 1315
Delta R.T. 0.00 min
Lab File: VU029162.D
Acq: 14 Jan 2019 13:48

Tgt Ion:	62	Resp:	36619
Ion	Ratio	Lower	Upper
62	100		
98	10.0	0.0	19.6



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





#43

Isopropyl Acetate

Concen: 22.057 ug/l

RT: 5.55 min Scan# 1360

Delta R.T. 0.00 min

Lab File: VU029162.D

Acq: 14 Jan 2019 13:48

Instrument :

MSVOA_U

ClientSampleId :

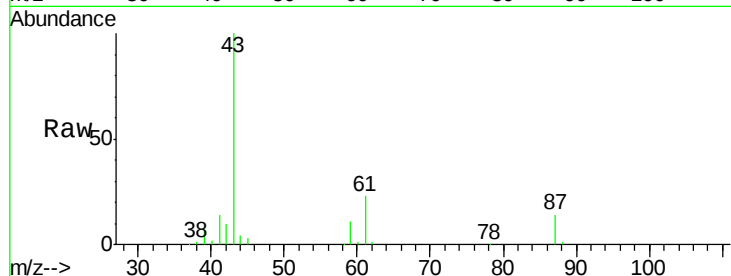
Tot Ion: 43 Resp: 67857

Ion Ratio Lower Upper

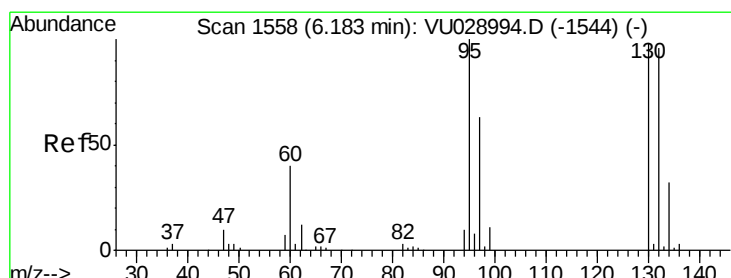
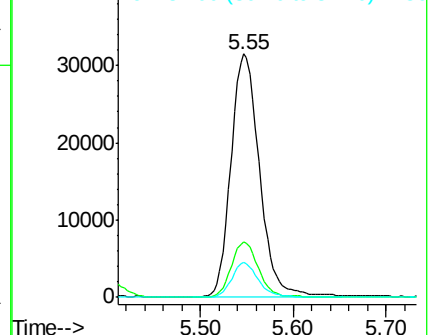
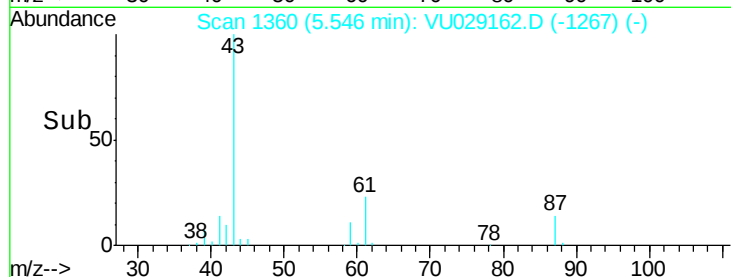
43 100

61 21.3 17.8 26.6

87 13.2 11.3 16.9



Abundance Ion 43.00 (42.70 to 43.70): VU029162.D (-1267) (-)



#44

Trichloroethene

Concen: 19.874 ug/l

RT: 6.18 min Scan# 1558

Delta R.T. 0.00 min

Lab File: VU029162.D

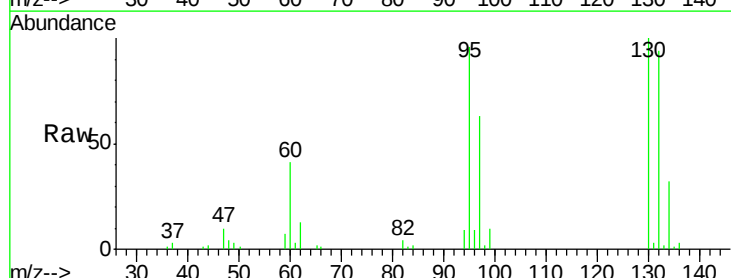
Acq: 14 Jan 2019 13:48

Tgt Ion:130 Resp: 28064

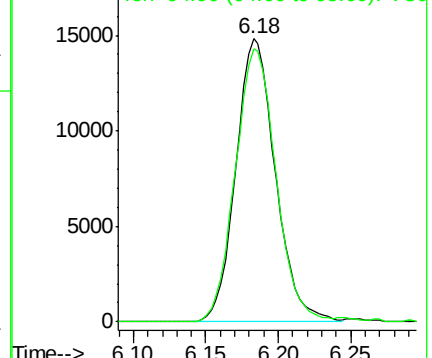
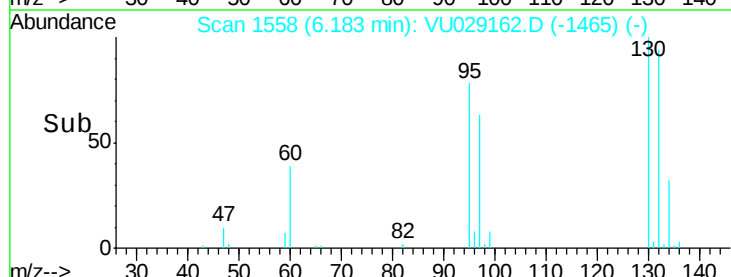
Ion Ratio Lower Upper

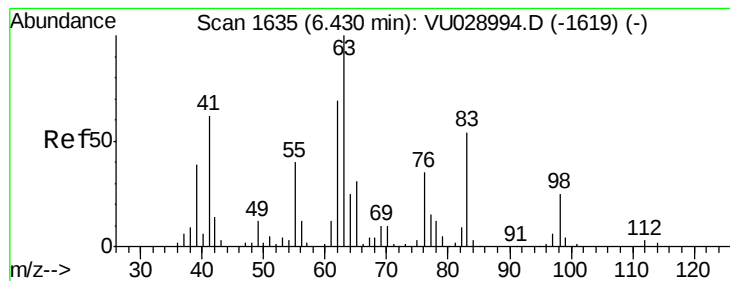
130 100

95 96.4 0.0 205.0



Abundance Ion 129.80 (129.50 to 130.50): VU029162.D (-1465) (-)





#45

1,2-Dichloropropane

Concen: 20.792 ug/l

RT: 6.43 min Scan# 1635

Delta R.T. 0.00 min

Lab File: VU029162.D

Acq: 14 Jan 2019 13:48

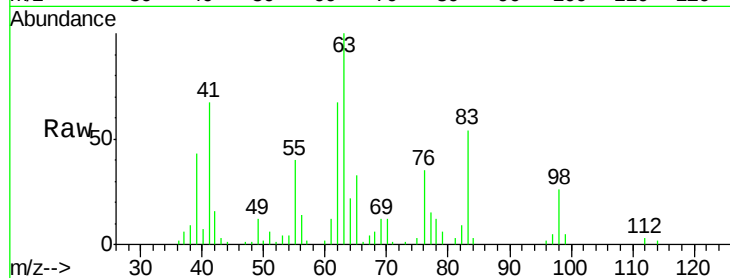
Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 63 Resp: 31292

Ion Ratio Lower Upper

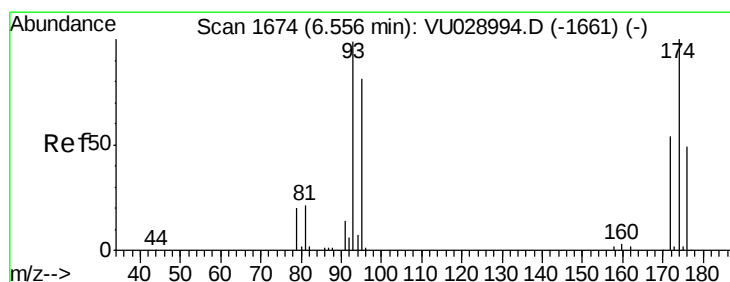
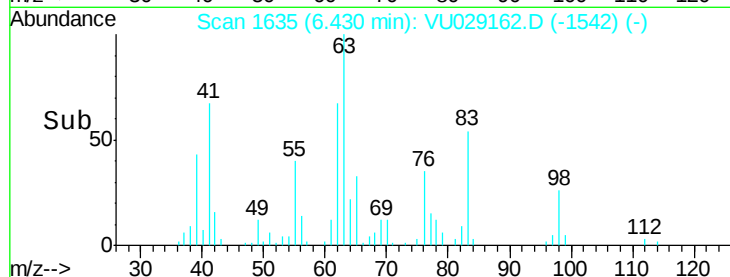
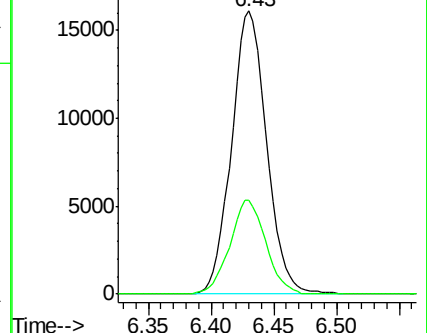
63 100

65 33.1 25.1 37.7



Abundance Ion 62.90 (62.60 to 63.60): VU028994.D (-1619) (-)

Ion 64.90 (64.60 to 65.60): VU028994.D (-1619) (-)



#46

Dibromomethane

Concen: 20.812 ug/l

RT: 6.56 min Scan# 1675

Delta R.T. 0.00 min

Lab File: VU029162.D

Acq: 14 Jan 2019 13:48

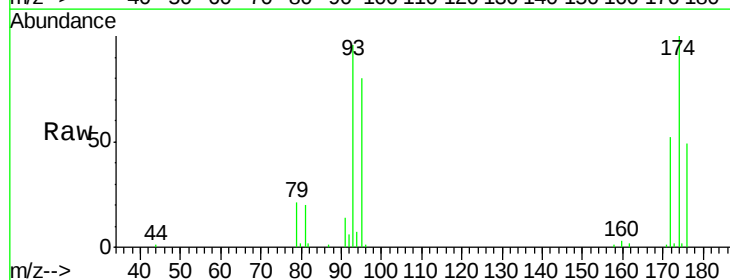
Tgt Ion: 93 Resp: 20023

Ion Ratio Lower Upper

93 100

95 83.1 67.2 100.8

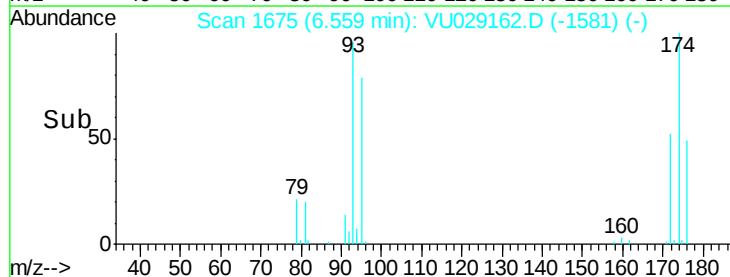
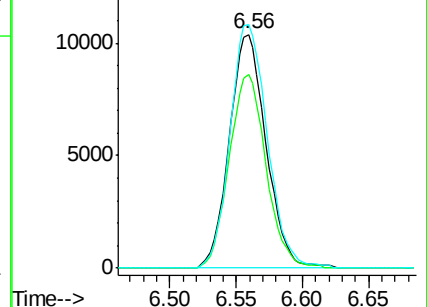
174 105.6 82.6 123.8



Abundance Ion 92.80 (92.50 to 93.50): VU028994.D (-1661) (-)

Ion 94.80 (94.50 to 95.50): VU028994.D (-1661) (-)

Ion 173.70 (173.40 to 174.40): VU028994.D (-1661) (-)





#47

Bromodichloromethane

Concen: 21.326 ug/l

RT: 6.76 min Scan# 1736

Delta R.T. 0.00 min

Lab File: VU029162.D

Acq: 14 Jan 2019 13:48

Instrument :
MSVOA_U
ClientSampled :

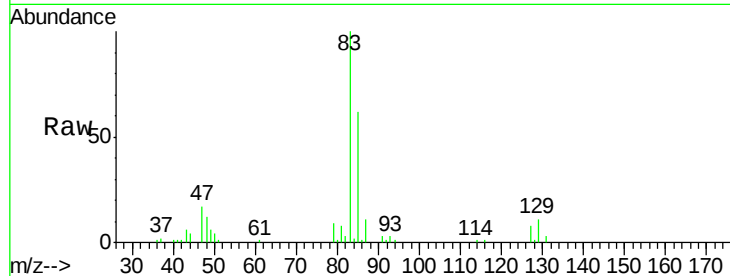
Tot Ion: 83 Resp: 37777

Ion Ratio Lower Upper

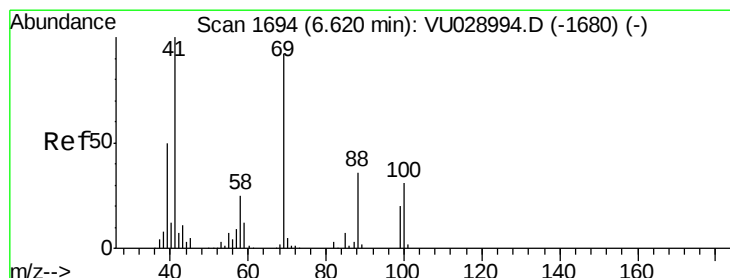
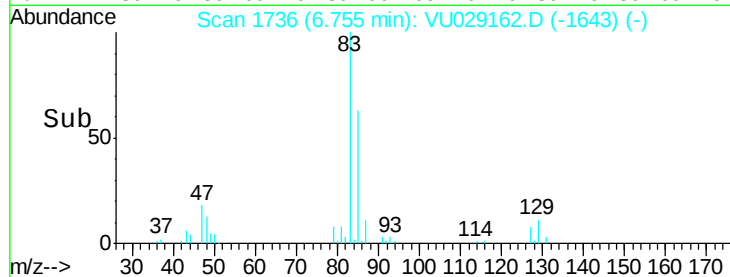
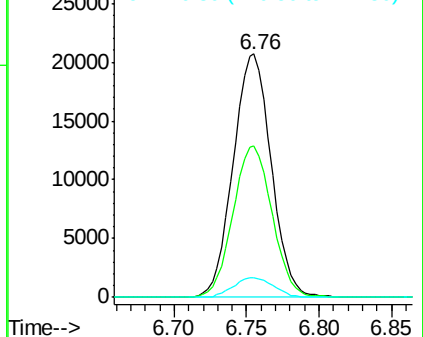
83 100

85 62.0 51.4 77.2

127 7.9 7.0 10.4



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



#48

Methyl methacrylate

Concen: 21.682 ug/l

RT: 6.62 min Scan# 1694

Delta R.T. 0.00 min

Lab File: VU029162.D

Acq: 14 Jan 2019 13:48

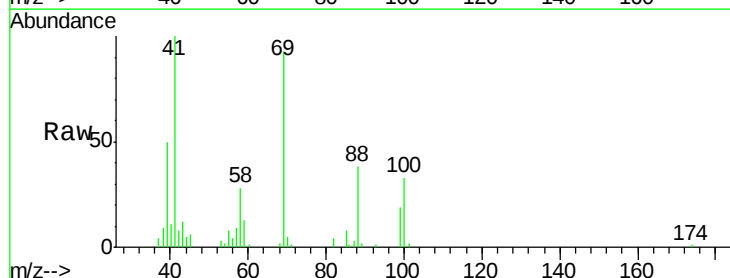
Tgt Ion: 41 Resp: 32479

Ion Ratio Lower Upper

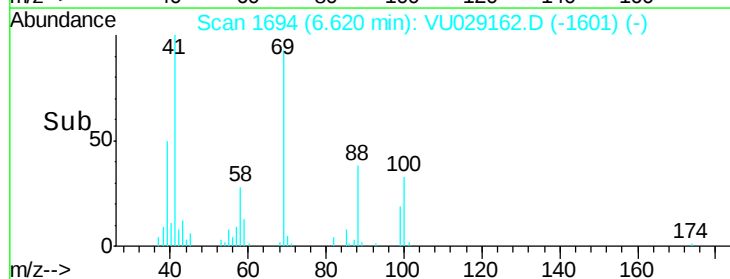
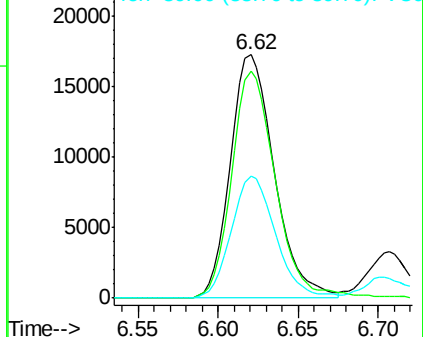
41 100

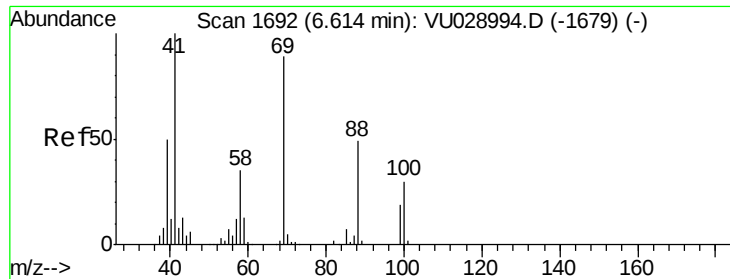
69 92.3 73.6 110.4

39 50.4 39.6 59.4



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

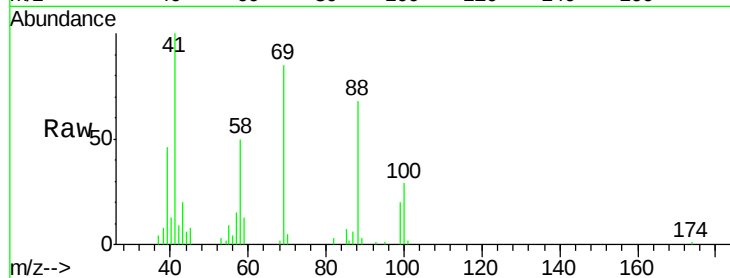




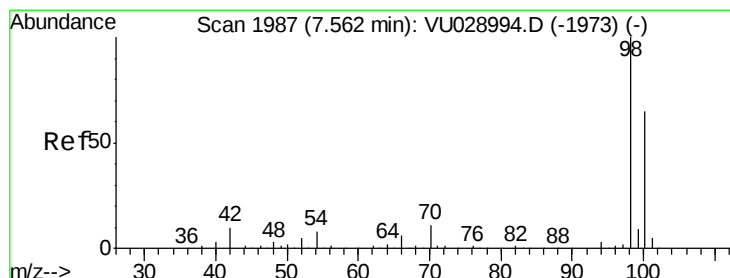
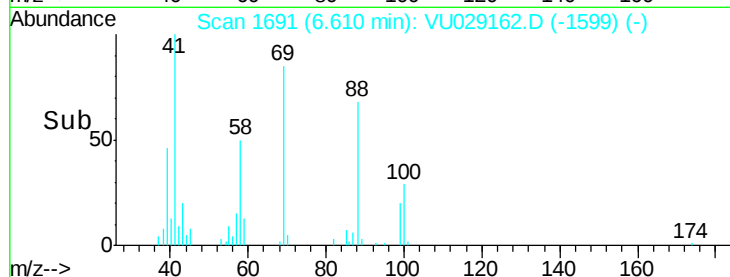
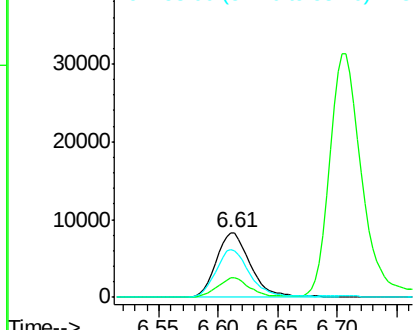
#49
1,4-Dioxane
Concen: 470.252 ug/l
RT: 6.61 min Scan# 1691
Delta R.T. -0.00 min
Lab File: VU029162.D
Acq: 14 Jan 2019 13:48

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 88 Resp: 16694
Ion Ratio Lower Upper
88 100
43 28.3 23.0 34.4
58 73.1 57.9 86.9

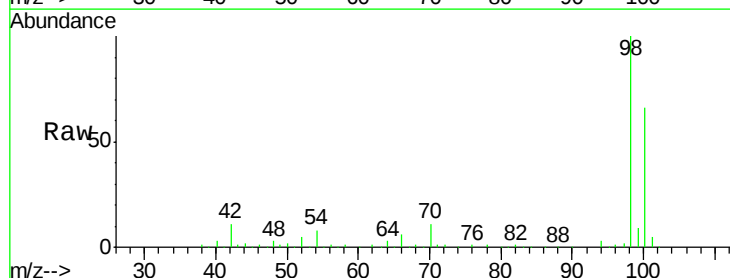


Abundance Ion 88.00 (87.70 to 88.70): VU0
Ion 43.00 (42.70 to 43.70): VU0
Ion 58.00 (57.70 to 58.70): VU0

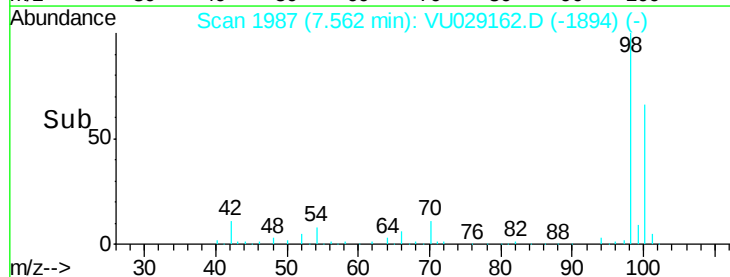
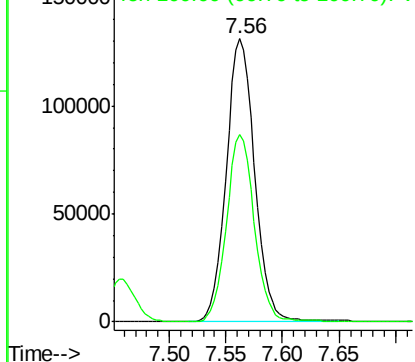


#50
Toluene-d8
Concen: 49.185 ug/l
RT: 7.56 min Scan# 1987
Delta R.T. 0.00 min
Lab File: VU029162.D
Acq: 14 Jan 2019 13:48

Tgt Ion: 98 Resp: 230081
Ion Ratio Lower Upper
98 100
100 64.6 51.6 77.4



Abundance Ion 98.00 (97.70 to 98.70): VU0
Ion 100.00 (99.70 to 100.70): VU0





#51

4-Methyl-2-Pentanone

Concen: 109.234 ug/l

RT: 7.46 min Scan# 1954

Delta R.T. -0.00 min

Lab File: VU029162.D

Acq: 14 Jan 2019 13:48

Instrument :

MSVOA_U

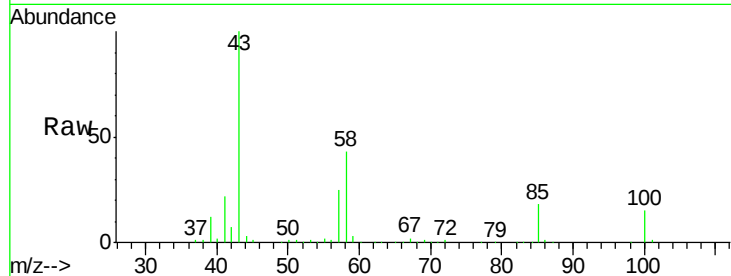
ClientSampled :

Tot Ion: 43 Resp: 228703

Ion Ratio Lower Upper

43 100

58 42.2 33.9 50.9



Abundance Ion 43.00 (42.70 to 43.70): VU028994.D (-1939) (-)

Ion 58.00 (57.70 to 58.70): VU028994.D (-1939) (-)

7.46

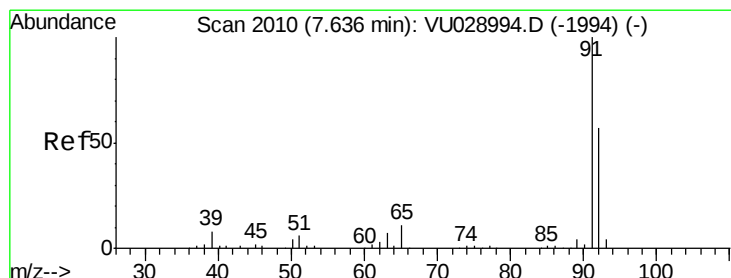
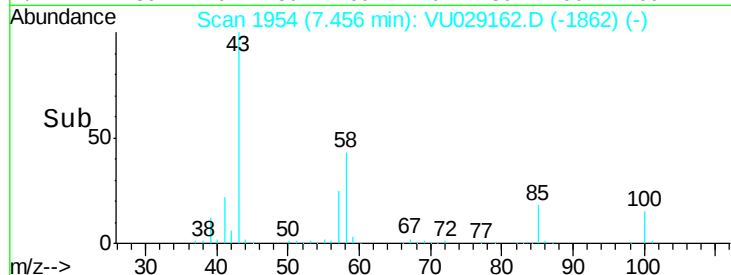
150000

100000

50000

0

Time--> 7.35 7.40 7.45 7.50 7.55



#52

Toluene

Concen: 20.090 ug/l

RT: 7.63 min Scan# 2009

Delta R.T. -0.00 min

Lab File: VU029162.D

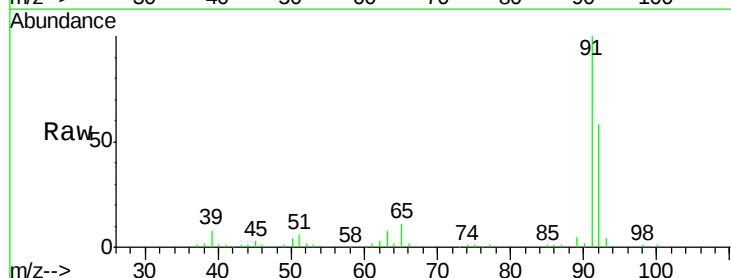
Acq: 14 Jan 2019 13:48

Tgt Ion: 92 Resp: 69700

Ion Ratio Lower Upper

92 100

91 173.1 139.8 209.8



Abundance Ion 92.00 (91.70 to 92.70): VU028994.D (-1994) (-)

Ion 91.00 (90.70 to 91.70): VU028994.D (-1994) (-)

7.63

80000

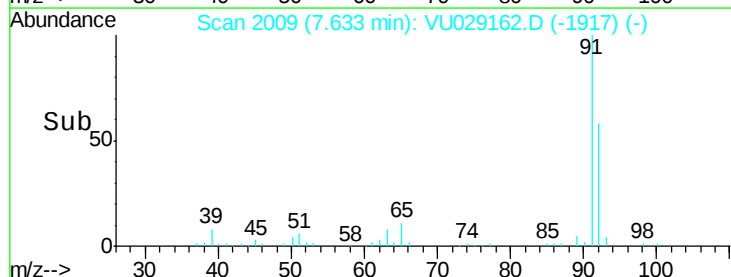
60000

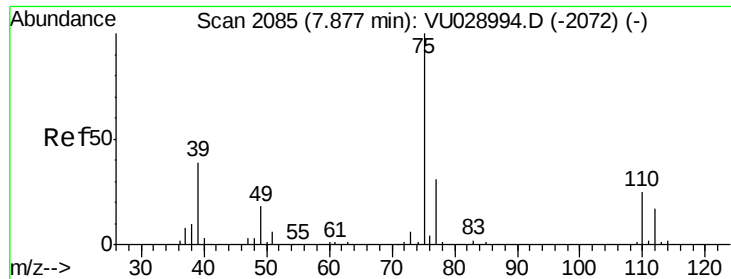
40000

20000

0

Time--> 7.60 7.65 7.70 7.80

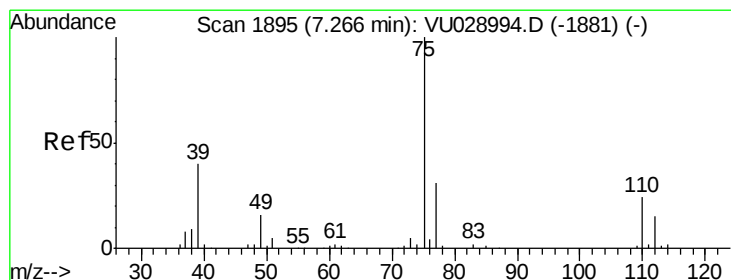
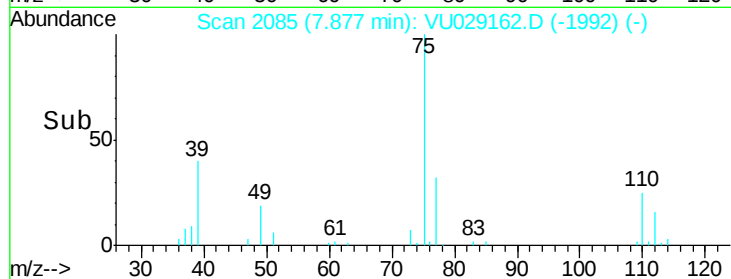
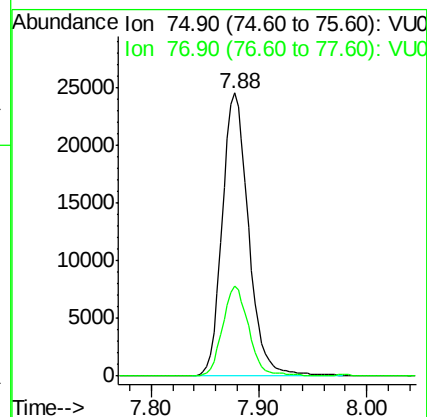
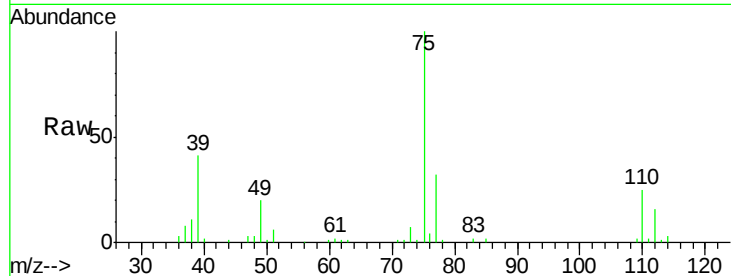




#53
 t-1,3-Dichloropropene
 Concen: 19.634 ug/l
 RT: 7.88 min Scan# 2085
 Delta R.T. 0.00 min
 Lab File: VU029162.D
 Acq: 14 Jan 2019 13:48

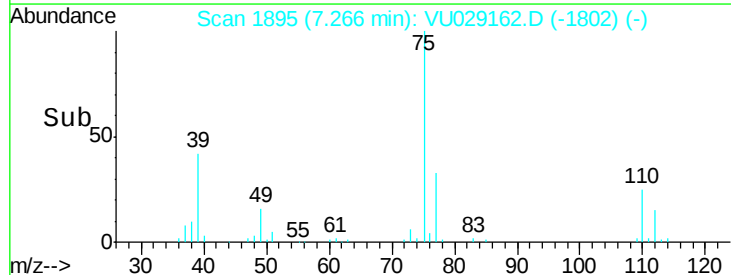
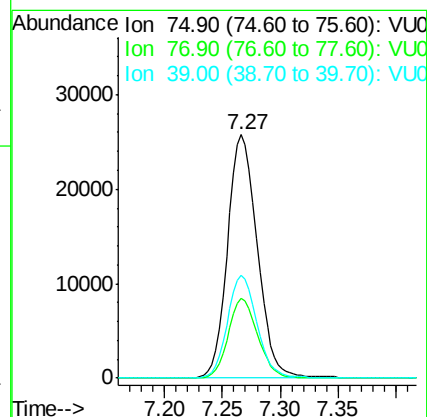
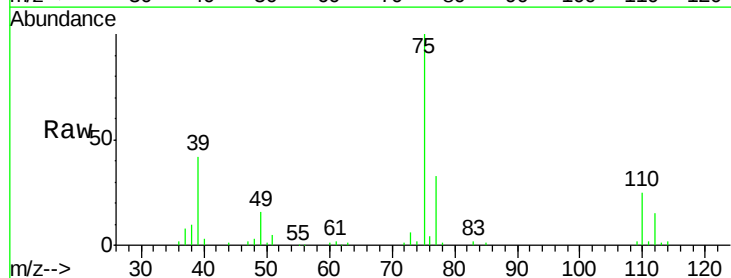
Instrument :
 MSVOA_U
 ClientSampled :

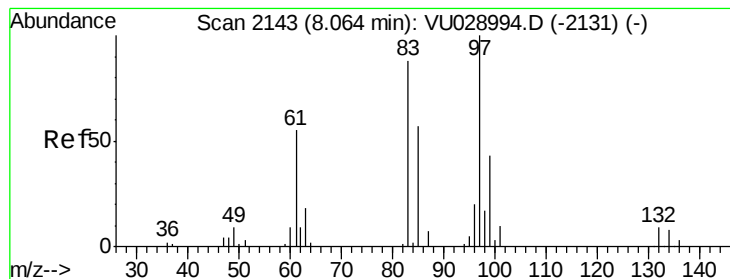
Tot Ion: 75 Resp: 41780
 Ion Ratio Lower Upper
 75 100
 77 32.0 25.0 37.4



#54
 cis-1,3-Dichloropropene
 Concen: 20.033 ug/l
 RT: 7.27 min Scan# 1895
 Delta R.T. 0.00 min
 Lab File: VU029162.D
 Acq: 14 Jan 2019 13:48

Tgt Ion: 75 Resp: 46062
 Ion Ratio Lower Upper
 75 100
 77 32.9 25.0 37.6
 39 42.3 32.2 48.4





#55

1,1,2-Trichloroethane

Concen: 21.342 ug/l

RT: 8.06 min Scan# 2143

Delta R.T. 0.00 min

Lab File: VU029162.D

Acq: 14 Jan 2019 13:48

Instrument :

MSVOA_U

ClientSampleId :

Tot Ion: 97 Resp: 29664

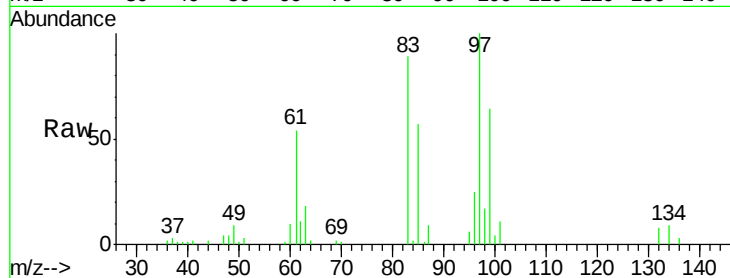
Ion Ratio Lower Upper

97 100

83 89.1 69.8 104.8

85 57.4 47.3 70.9

99 64.0 49.7 74.5

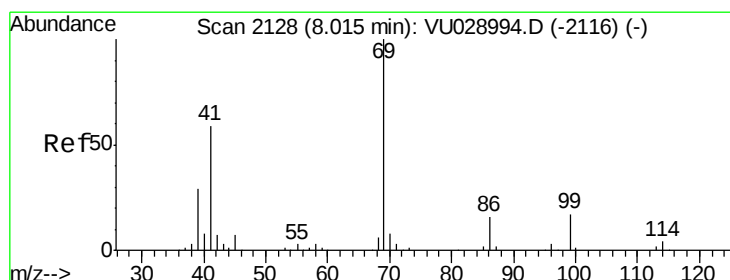
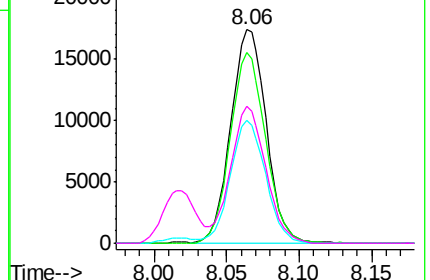
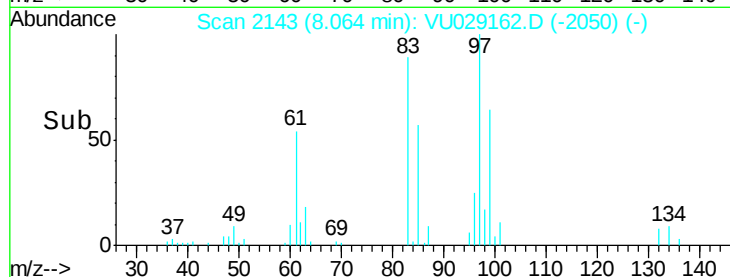


Abundance Ion 96.90 (96.60 to 97.60): VU0

Ion 82.90 (82.60 to 83.60): VU0

Ion 84.90 (84.60 to 85.60): VU0

Ion 98.90 (98.60 to 99.60): VU0



#56

Ethyl methacrylate

Concen: 20.104 ug/l

RT: 8.02 min Scan# 2128

Delta R.T. 0.00 min

Lab File: VU029162.D

Acq: 14 Jan 2019 13:48

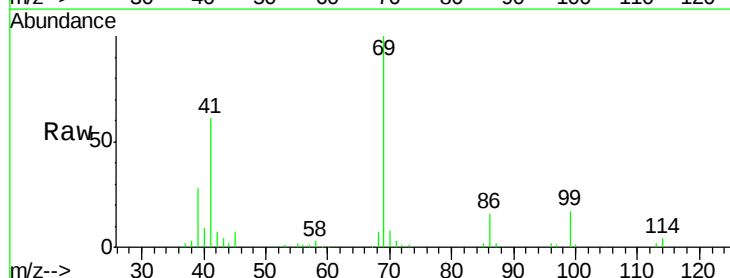
Tgt Ion: 69 Resp: 43049

Ion Ratio Lower Upper

69 100

41 60.6 47.5 71.3

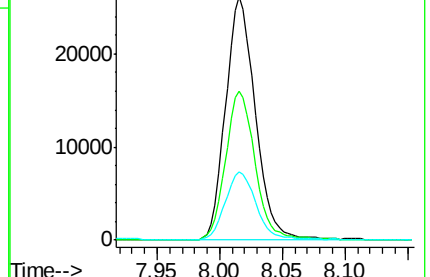
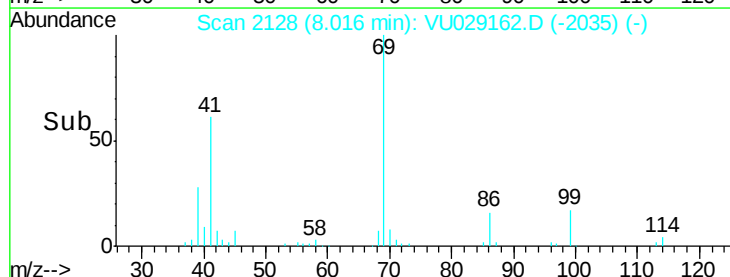
39 29.2 22.5 33.7

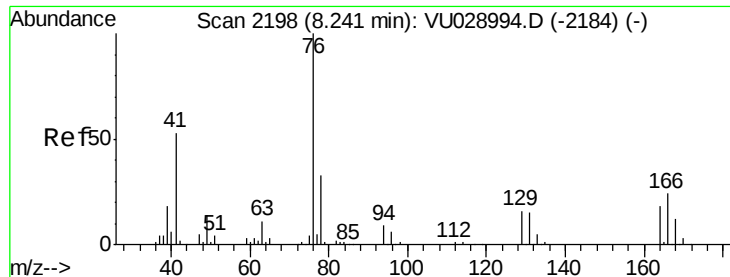


Abundance Ion 69.00 (68.70 to 69.70): VU0

Ion 41.00 (40.70 to 41.70): VU0

Ion 39.00 (38.70 to 39.70): VU0





#57

1,3-Dichloropropane

Concen: 20.708 ug/l

RT: 8.24 min Scan# 2198

Delta R.T. 0.00 min

Lab File: VU029162.D

Acq: 14 Jan 2019 13:48

Instrument :

MSVOA_U

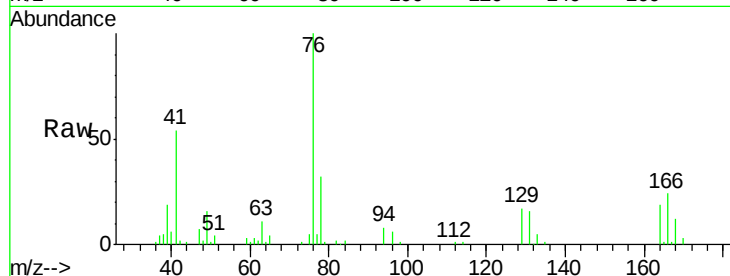
ClientSampleId :

Tot Ion: 76 Resp: 49249

Ion Ratio Lower Upper

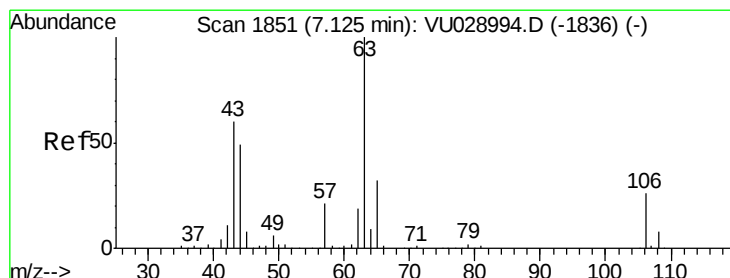
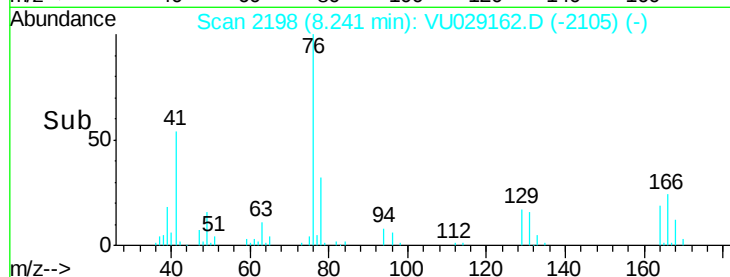
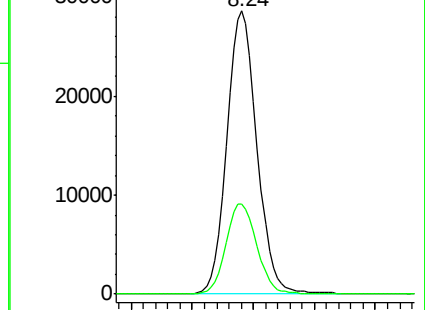
76 100

78 32.7 26.0 39.0



Abundance Ion 75.90 (75.60 to 76.60): VU029162.D (-2105) (-)

Ion 77.90 (77.60 to 78.60): VU029162.D (-2105) (-)



#58

2-Chloroethyl Vinyl ether

Concen: 95.609 ug/l

RT: 7.12 min Scan# 1851

Delta R.T. 0.00 min

Lab File: VU029162.D

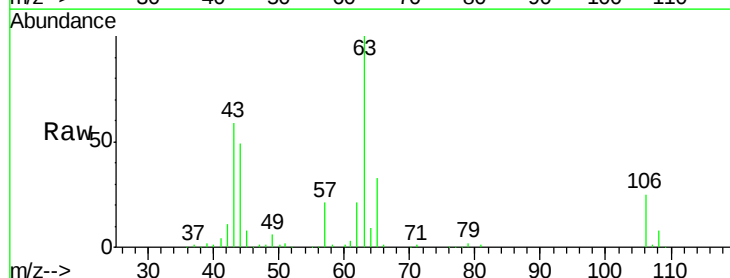
Acq: 14 Jan 2019 13:48

Tgt Ion: 63 Resp: 90036

Ion Ratio Lower Upper

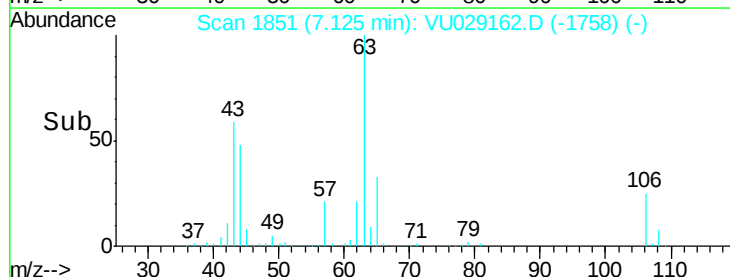
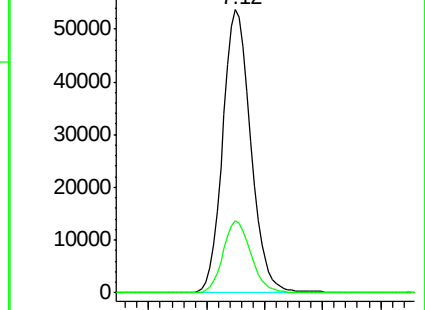
63 100

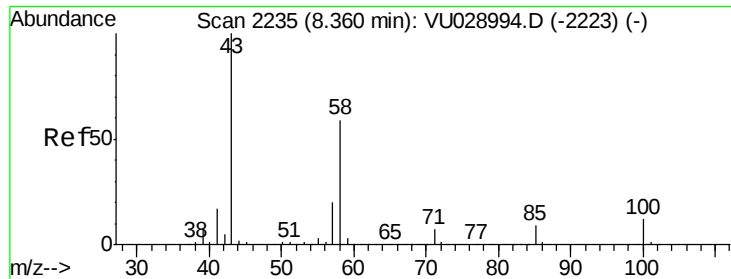
106 25.1 20.6 31.0



Abundance Ion 62.90 (62.60 to 63.60): VU029162.D (-1758) (-)

Ion 105.90 (105.60 to 106.60): VU029162.D (-1758) (-)

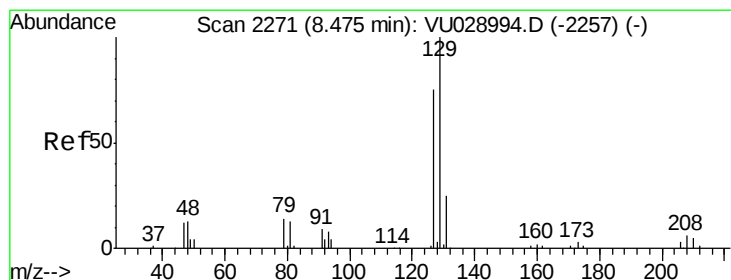
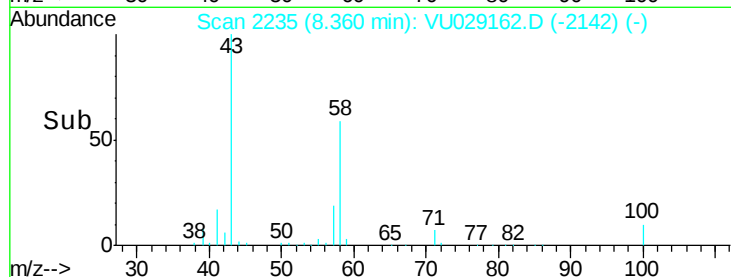
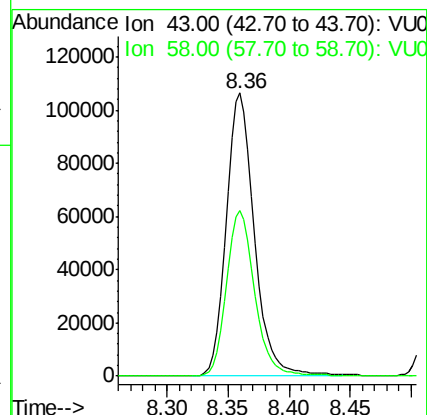
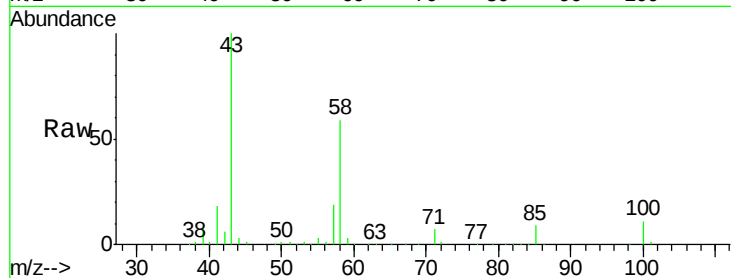




#59
2-Hexanone
Concen: 105.148 ug/l
RT: 8.36 min Scan# 2235
Delta R.T. 0.00 min
Lab File: VU029162.D
Acq: 14 Jan 2019 13:48

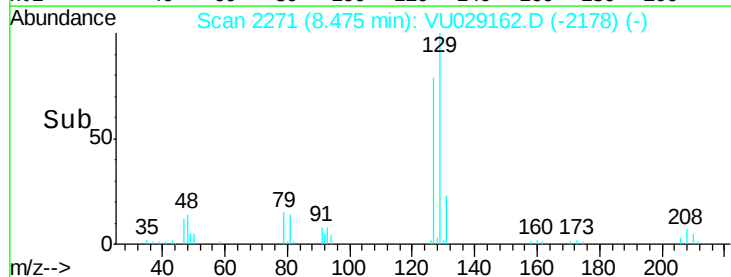
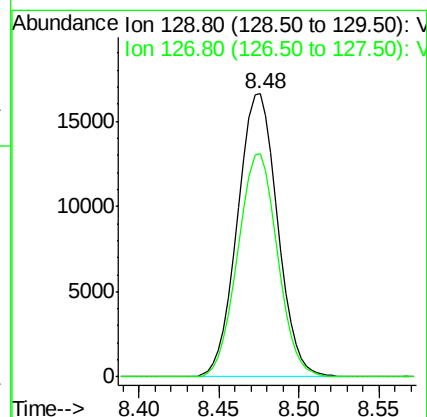
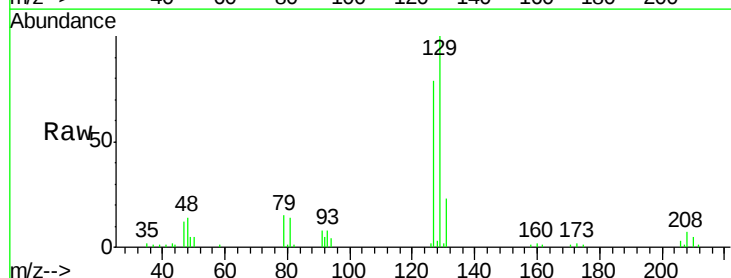
Instrument :
MSVOA_U
ClientSampled :

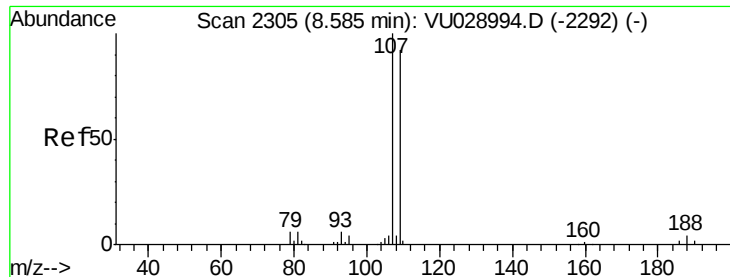
Tot Ion: 43 Resp: 172807
Ion Ratio Lower Upper
43 100
58 59.0 29.8 89.4



#60
Dibromochloromethane
Concen: 20.638 ug/l
RT: 8.48 min Scan# 2271
Delta R.T. 0.00 min
Lab File: VU029162.D
Acq: 14 Jan 2019 13:48

Tgt Ion:129 Resp: 28419
Ion Ratio Lower Upper
129 100
127 78.0 38.0 114.0





#61

1,2-Dibromoethane

Concen: 20.815 ug/l

RT: 8.58 min Scan# 2305

Delta R.T. 0.00 min

Lab File: VU029162.D

Acq: 14 Jan 2019 13:48

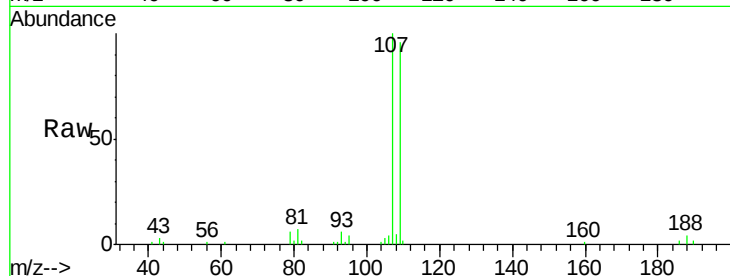
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion:107 Resp: 31378

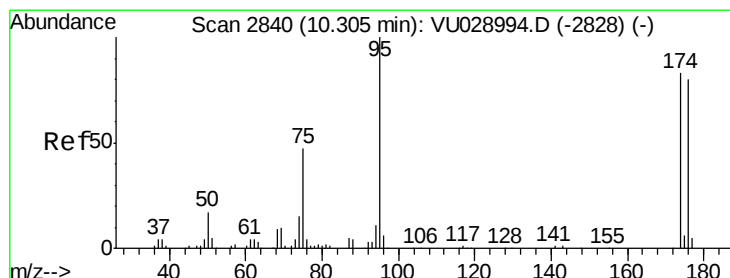
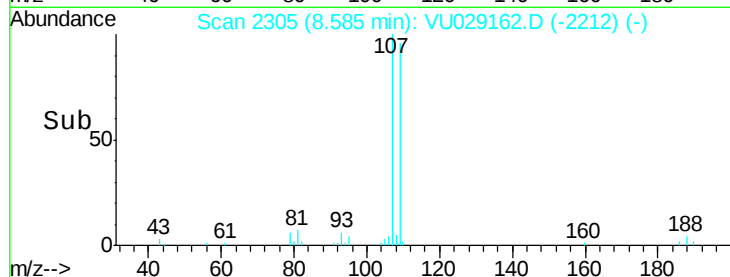
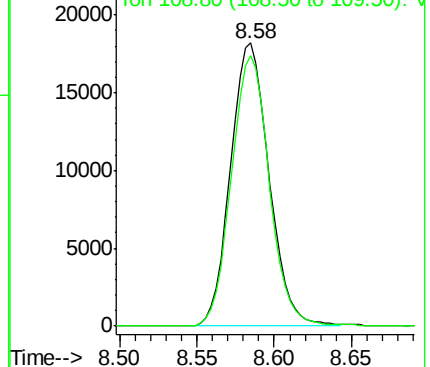
Ion Ratio Lower Upper

107 100

109 94.1 75.5 113.3



Abundance Ion 106.90 (106.60 to 107.60): V
Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 47.562 ug/l

RT: 10.30 min Scan# 2840

Delta R.T. 0.00 min

Lab File: VU029162.D

Acq: 14 Jan 2019 13:48

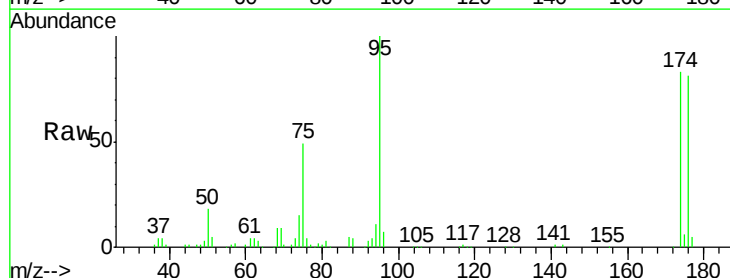
Tgt Ion: 95 Resp: 79957

Ion Ratio Lower Upper

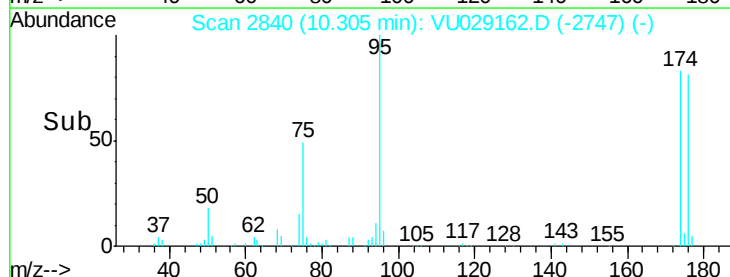
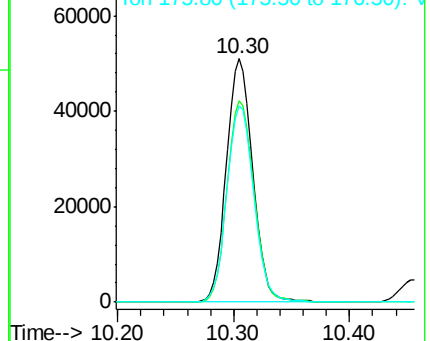
95 100

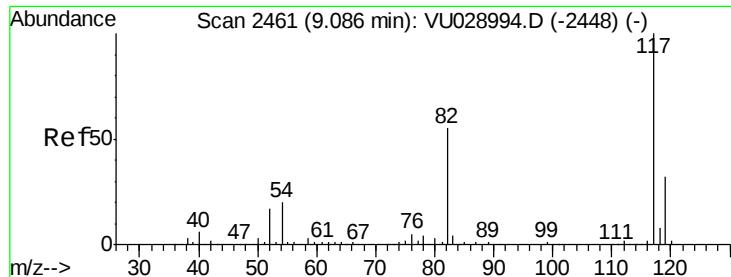
174 84.5 0.0 170.6

176 82.4 0.0 165.0



Abundance Ion 94.90 (94.60 to 95.60): VU0
Ion 173.80 (173.50 to 174.50): V
Ion 175.80 (175.50 to 176.50): V

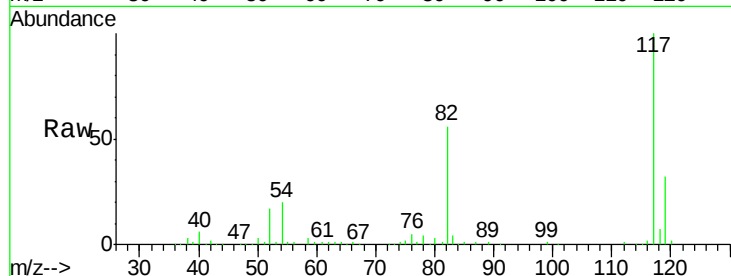




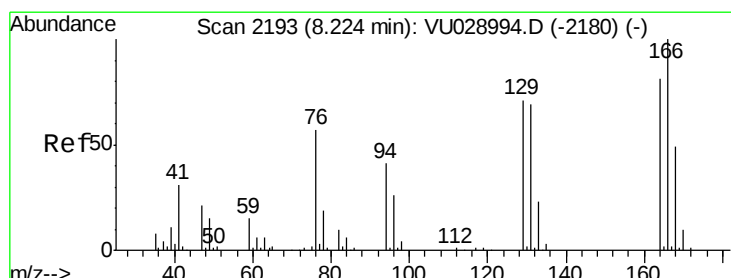
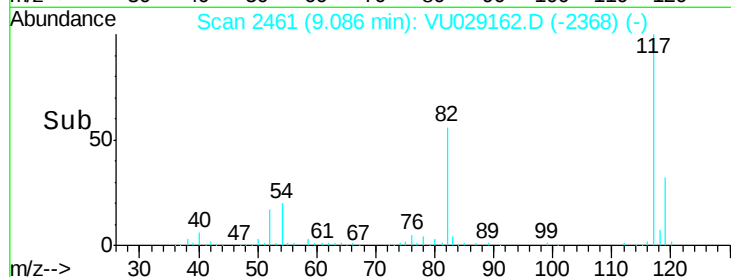
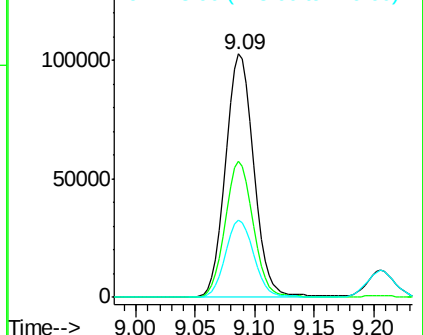
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.09 min Scan# 2461
Delta R.T. 0.00 min
Lab File: VU029162.D
Acq: 14 Jan 2019 13:48

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion:117 Resp: 170302
Ion Ratio Lower Upper
117 100
82 56.1 43.9 65.9
119 31.7 26.0 39.0

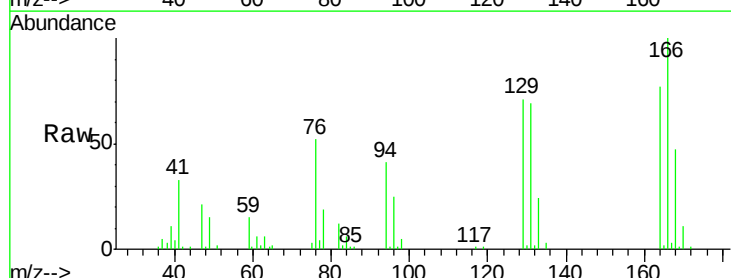


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

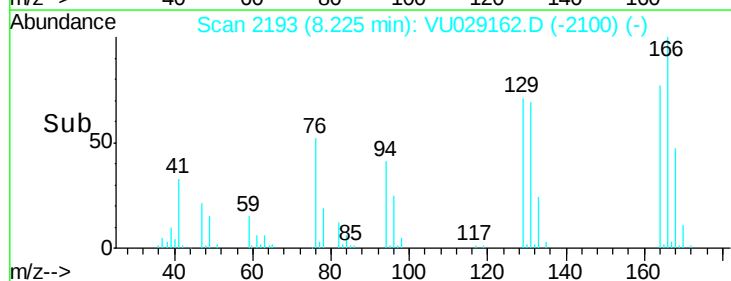
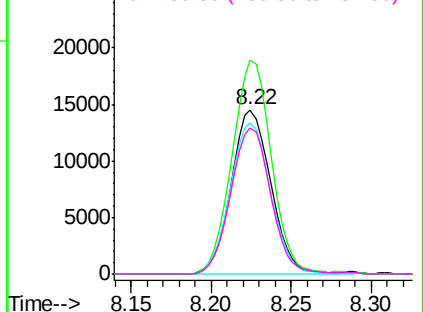


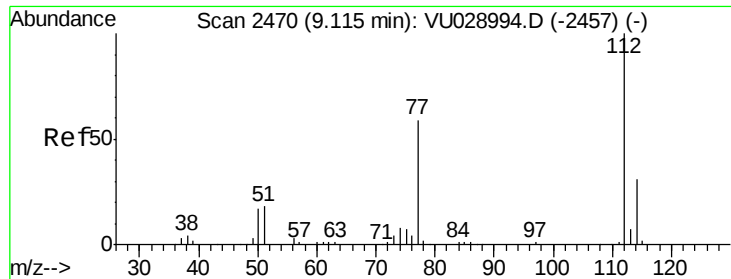
#64
Tetrachloroethene
Concen: 19.994 ug/l
RT: 8.22 min Scan# 2193
Delta R.T. 0.00 min
Lab File: VU029162.D
Acq: 14 Jan 2019 13:48

Tgt Ion:164 Resp: 24528
Ion Ratio Lower Upper
164 100
166 129.9 99.4 149.0
129 91.8 70.5 105.7
131 89.1 69.0 103.6



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: 19.660 ug/l

RT: 9.12 min Scan# 2470

Delta R.T. 0.00 min

Lab File: VU029162.D

Acq: 14 Jan 2019 13:48

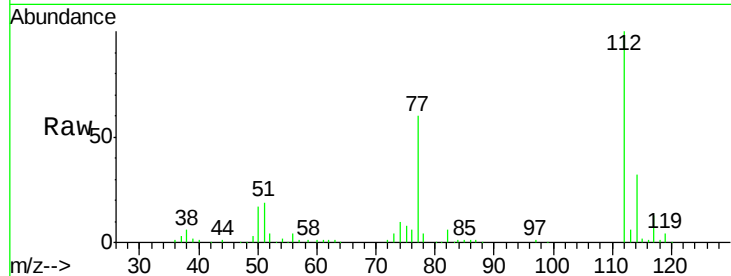
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion:112 Resp: 75051

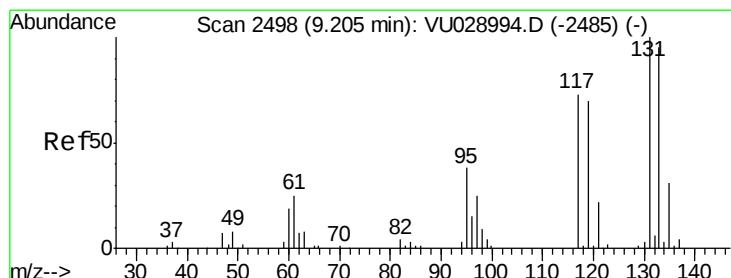
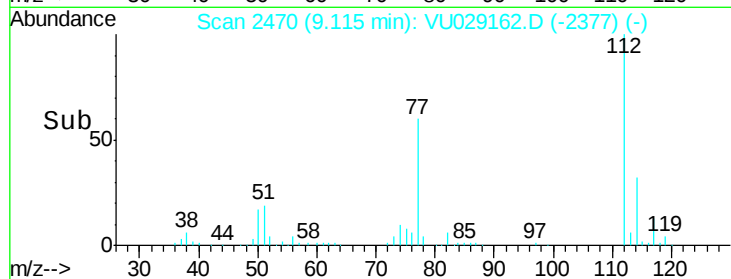
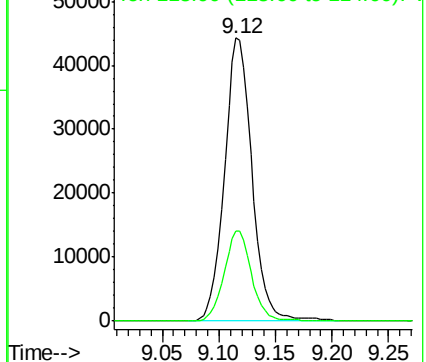
Ion Ratio Lower Upper

112 100

114 31.9 25.0 37.6



Abundance Ion 111.90 (111.60 to 112.60): V
Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 21.335 ug/l

RT: 9.21 min Scan# 2498

Delta R.T. 0.00 min

Lab File: VU029162.D

Acq: 14 Jan 2019 13:48

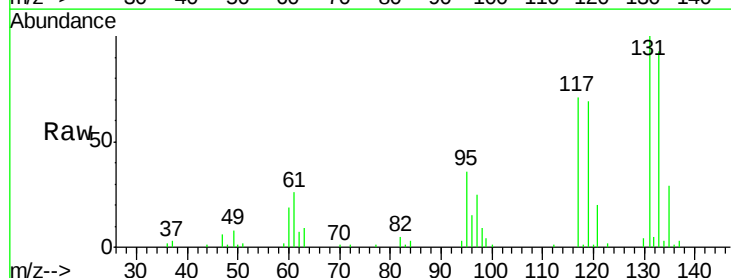
Tgt Ion:131 Resp: 26430

Ion Ratio Lower Upper

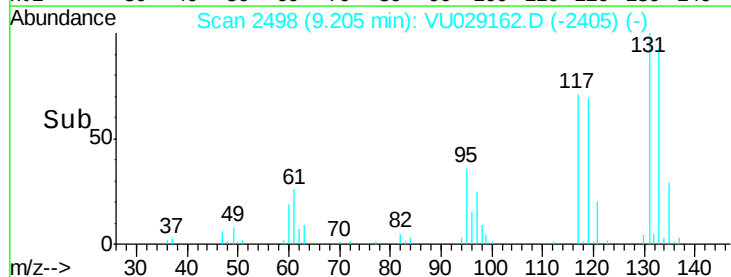
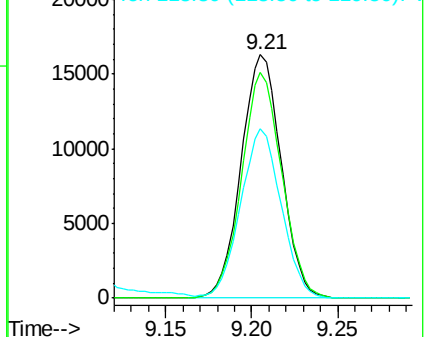
131 100

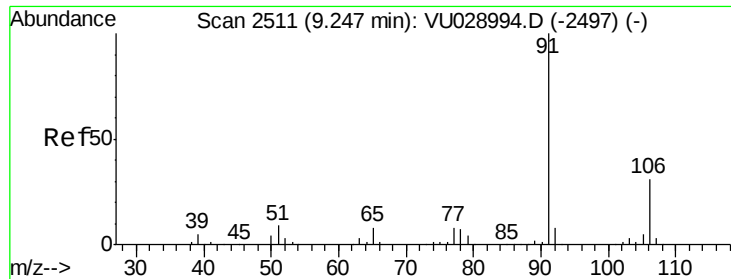
133 92.6 48.2 144.6

119 70.3 35.4 106.3



Abundance Ion 130.80 (130.50 to 131.50): V
Ion 132.80 (132.50 to 133.50): V
Ion 118.80 (118.50 to 119.50): V

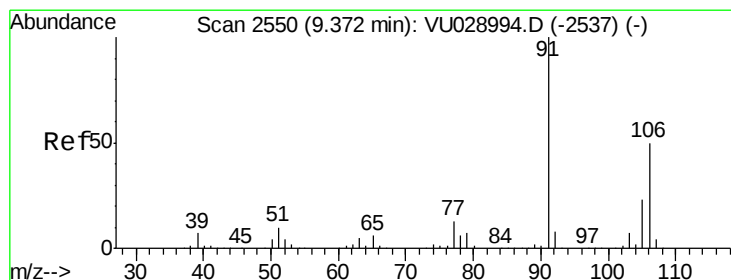
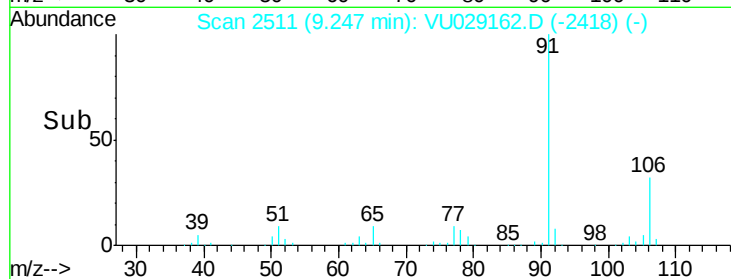
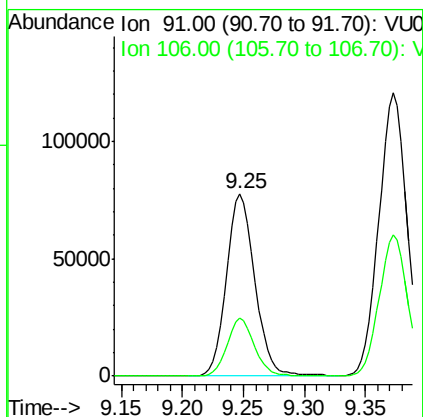
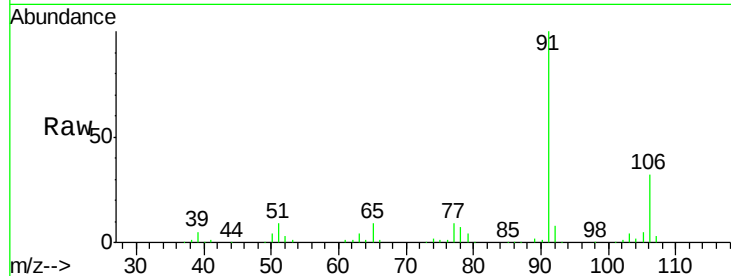




#67
Ethyl Benzene
Concen: 19.954 ug/l
RT: 9.25 min Scan# 2511
Delta R.T. 0.00 min
Lab File: VU029162.D
Acq: 14 Jan 2019 13:48

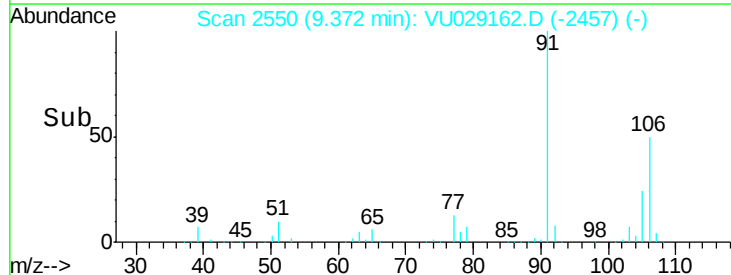
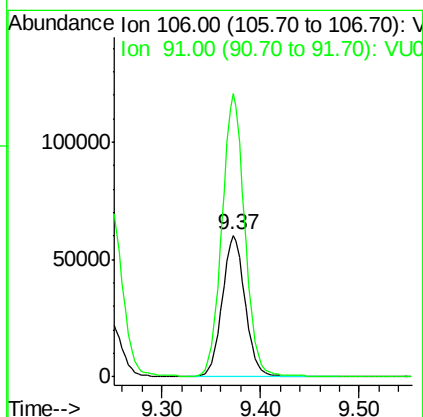
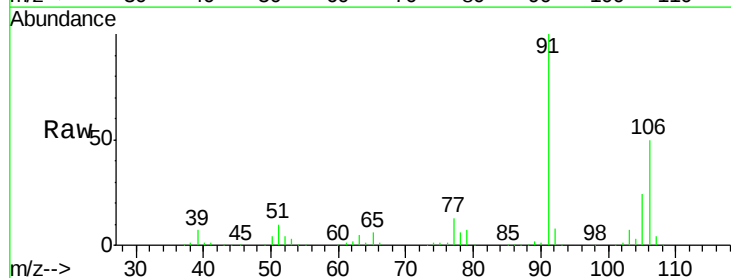
Instrument :
MSVOA_U
ClientSampleID :

Tot Ion: 91 Resp: 127171
Ion Ratio Lower Upper
91 100
106 31.8 25.0 37.4



#68
m/p-Xylenes
Concen: 39.867 ug/l
RT: 9.37 min Scan# 2550
Delta R.T. 0.00 min
Lab File: VU029162.D
Acq: 14 Jan 2019 13:48

Tgt Ion: 106 Resp: 98725
Ion Ratio Lower Upper
106 100
91 199.0 161.7 242.5

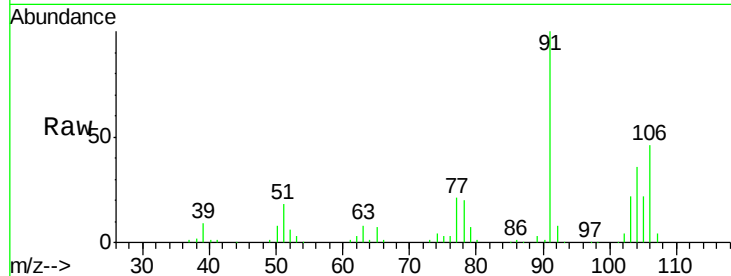




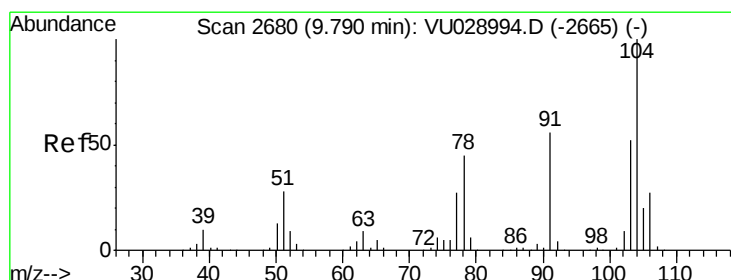
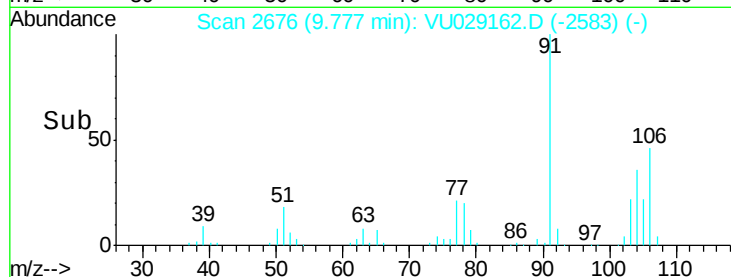
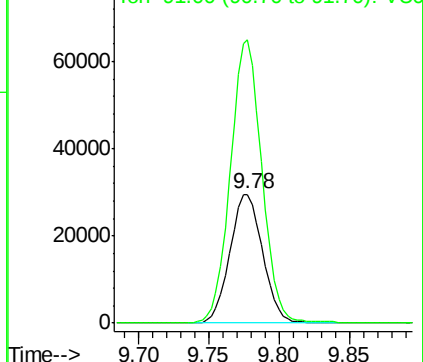
#69
o-Xylene
Concen: 20.162 ug/l
RT: 9.78 min Scan# 2676
Delta R.T. 0.00 min
Lab File: VU029162.D
Acq: 14 Jan 2019 13:48

Instrument :
MSVOA_U
ClientSampled :

Tot Ion:106 Resp: 48108
Ion Ratio Lower Upper
106 100
91 210.2 106.1 318.3

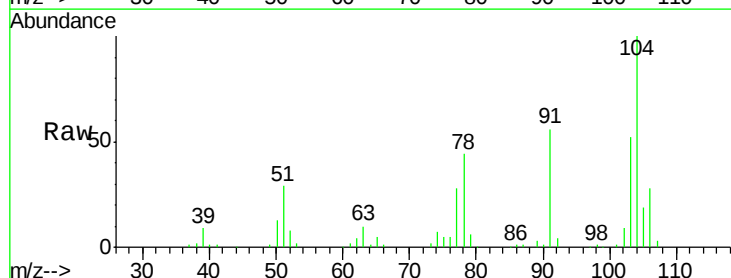


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VU0

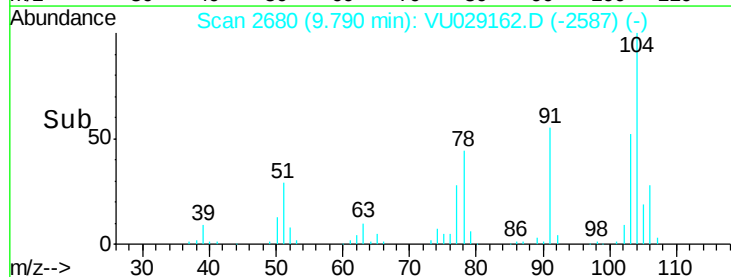
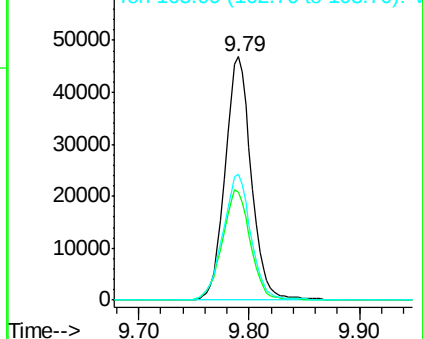


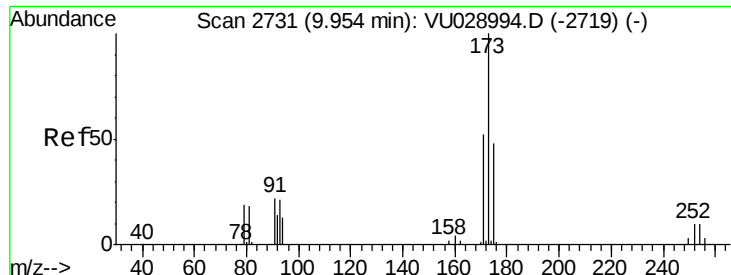
#70
Styrene
Concen: 19.781 ug/l
RT: 9.79 min Scan# 2680
Delta R.T. 0.00 min
Lab File: VU029162.D
Acq: 14 Jan 2019 13:48

Tgt Ion:104 Resp: 77374
Ion Ratio Lower Upper
104 100
78 48.7 38.6 58.0
103 55.1 44.5 66.7



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: 20.320 ug/l

RT: 9.95 min Scan# 2731

Delta R.T. 0.00 min

Lab File: VU029162.D

Acq: 14 Jan 2019 13:48

Instrument :
MSVOA_U
ClientSampleId :

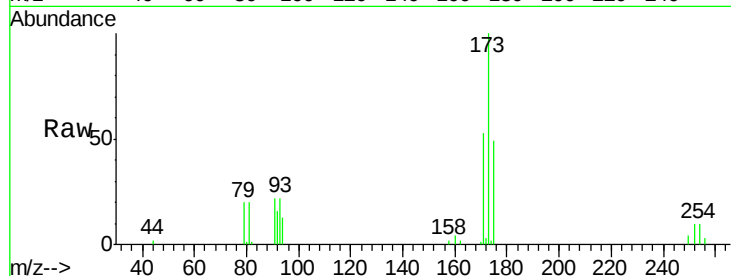
Tot Ion:173 Resp: 22414

Ion Ratio Lower Upper

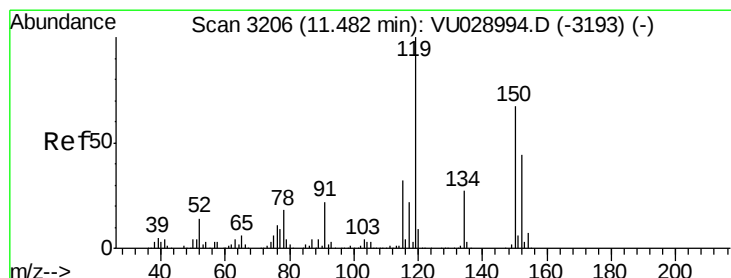
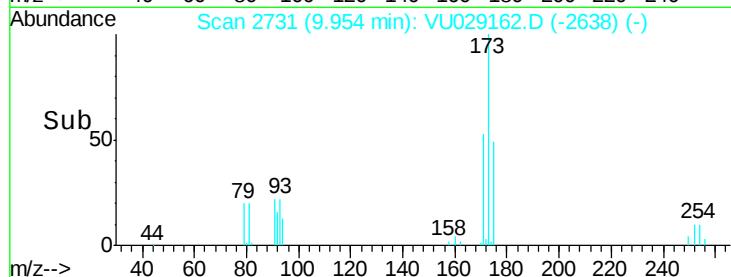
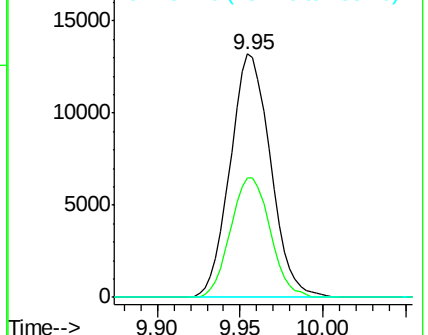
173 100

175 48.2 23.8 71.2

254 0.0 0.0 0.0



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 11.48 min Scan# 3206

Delta R.T. 0.00 min

Lab File: VU029162.D

Acq: 14 Jan 2019 13:48

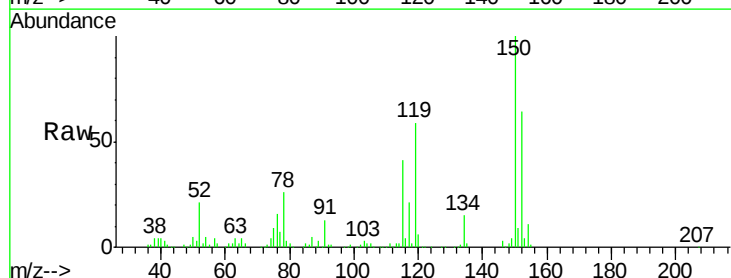
Tgt Ion:152 Resp: 83291

Ion Ratio Lower Upper

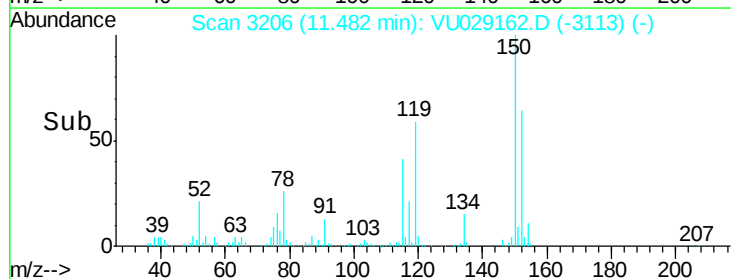
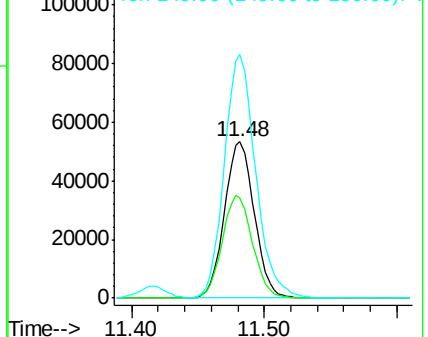
152 100

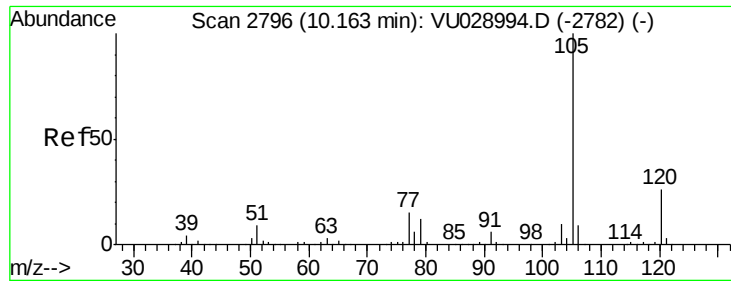
115 66.9 40.1 120.3

150 163.6 0.0 345.2



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: 19.870 ug/l

RT: 10.16 min Scan# 2796

Delta R.T. 0.00 min

Lab File: VU029162.D

Acq: 14 Jan 2019 13:48

Instrument :

MSVOA_U

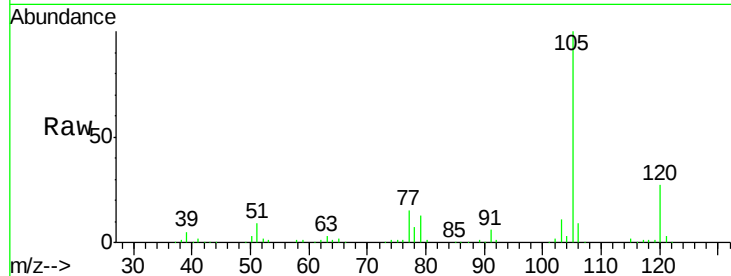
ClientSampleId :

Tot Ion:105 Resp: 122498

Ion Ratio Lower Upper

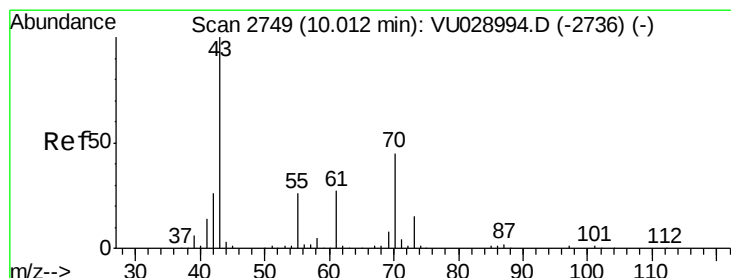
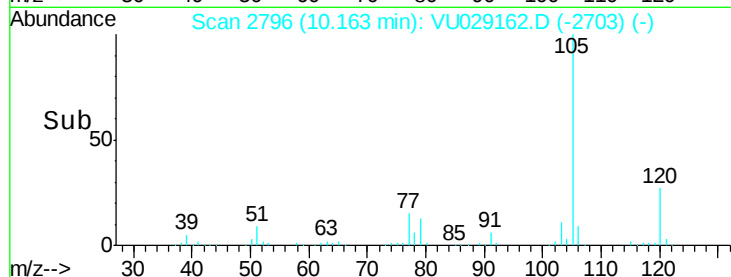
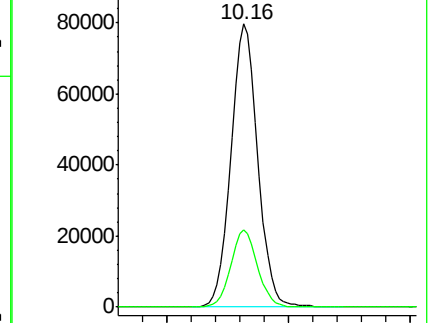
105 100

120 27.2 13.2 39.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 20.133 ug/l

RT: 10.01 min Scan# 2749

Delta R.T. 0.00 min

Lab File: VU029162.D

Acq: 14 Jan 2019 13:48

Tgt Ion: 43 Resp: 53486

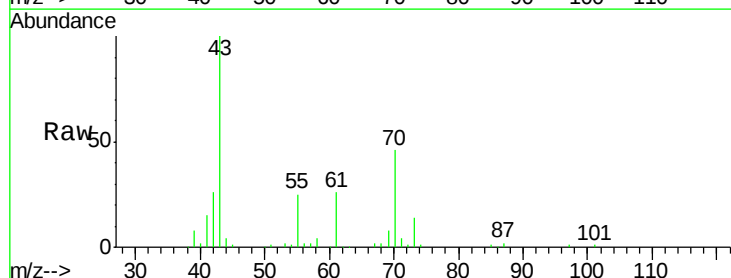
Ion Ratio Lower Upper

43 100

70 45.3 36.3 54.5

55 25.9 20.5 30.7

61 26.1 21.8 32.8

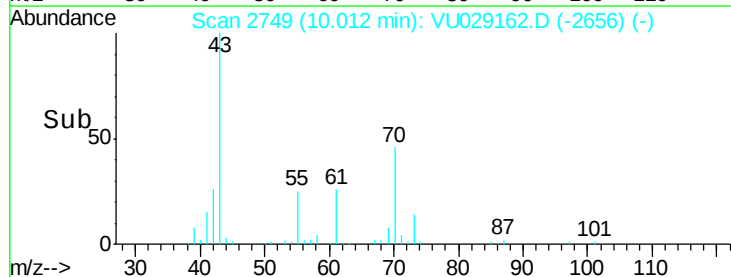
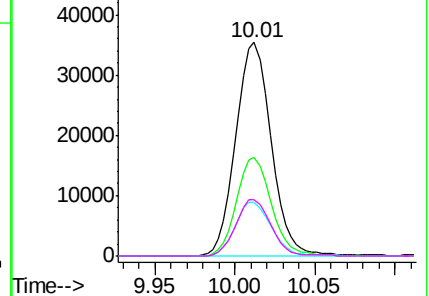


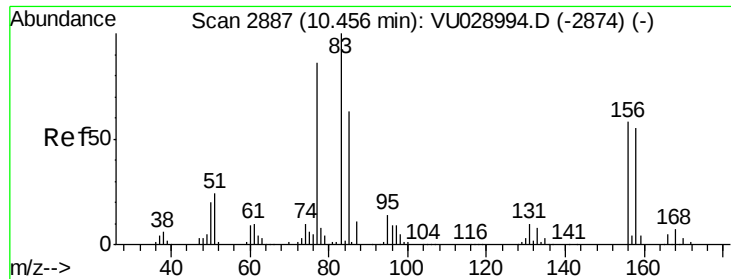
Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 70.00 (69.70 to 70.70): VU0

Ion 55.00 (54.70 to 55.70): VU0

Ion 61.00 (60.70 to 61.70): VU0





#75

1,1,2,2-Tetrachloroethane

Concen: 20.787 ug/l

RT: 10.46 min Scan# 2887

Delta R.T. 0.00 min

Lab File: VU029162.D

Acq: 14 Jan 2019 13:48

Instrument :

MSVOA_U

ClientSampled :

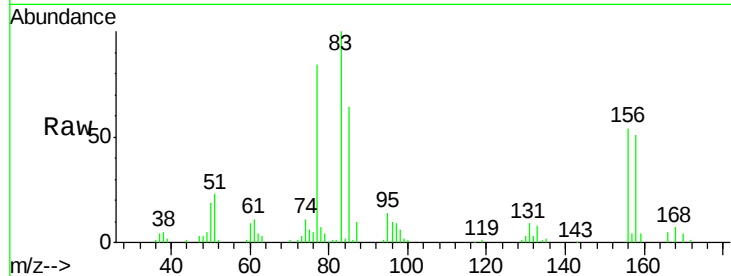
Tot Ion: 83 Resp: 51361

Ion Ratio Lower Upper

83 100

131 8.8 4.7 14.1

85 64.9 32.0 96.2

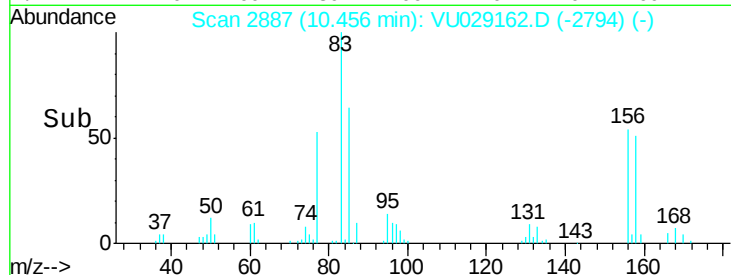


Abundance Ion 82.90 (82.60 to 83.60): VU028994.D (-2874) (-)

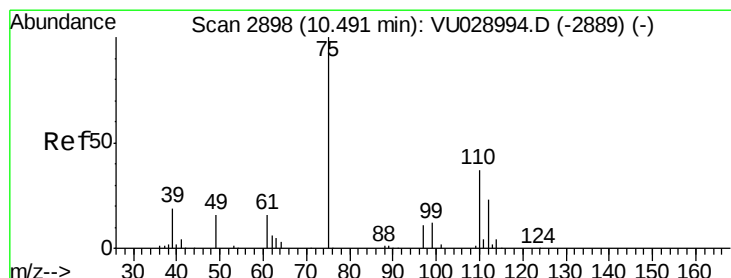
Ion 130.80 (130.50 to 131.50): VU028994.D (-2874) (-)

Ion 84.90 (84.60 to 85.60): VU028994.D (-2874) (-)

Time-->



Time-->



#76

1,2,3-Trichloropropane

Concen: 27.286 ug/l

RT: 10.49 min Scan# 2898

Delta R.T. 0.00 min

Lab File: VU029162.D

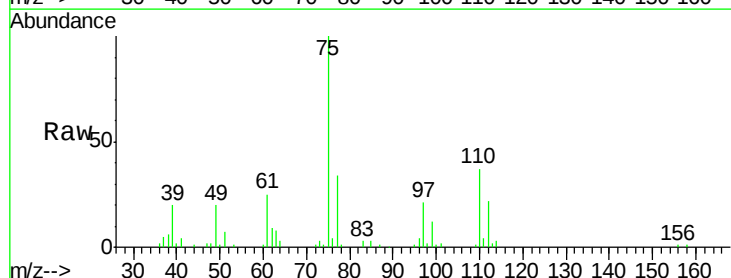
Acq: 14 Jan 2019 13:48

Tgt Ion: 75 Resp: 55684

Ion Ratio Lower Upper

75 100

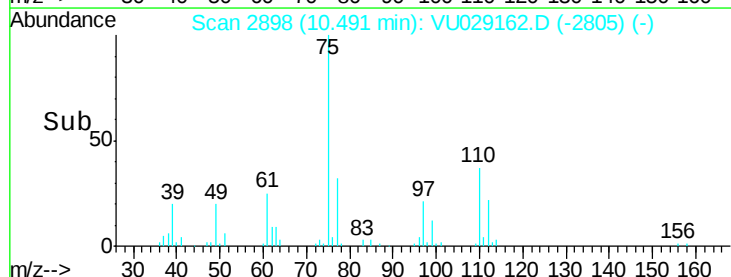
77 32.9 20.9 62.8



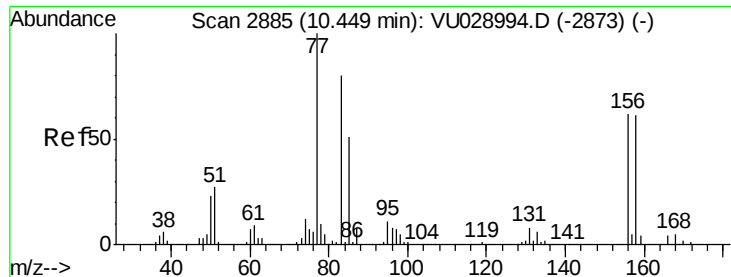
Abundance Ion 74.90 (74.60 to 75.60): VU028994.D (-2889) (-)

Ion 77.00 (76.70 to 77.70): VU028994.D (-2889) (-)

Time-->



Time-->



#77

Bromobenzene

Concen: 19.813 ug/l

RT: 10.45 min Scan# 2885

Delta R.T. 0.00 min

Lab File: VU029162.D

Acq: 14 Jan 2019 13:48

Instrument :

MSVOA_U

ClientSampleId :

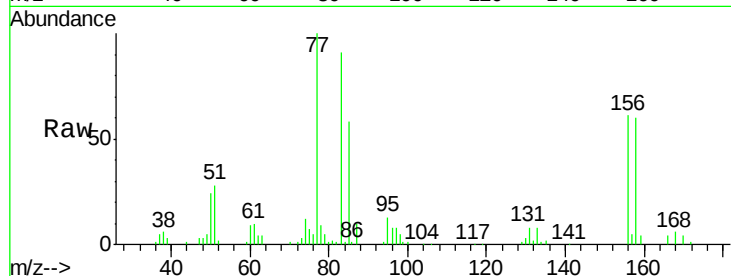
Tot Ion:156 Resp: 31831

Ion Ratio Lower Upper

156 100

77 161.2 79.0 237.2

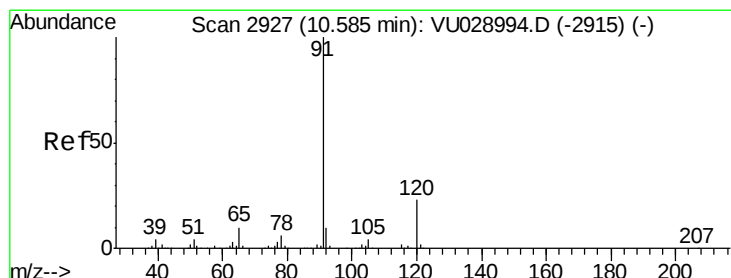
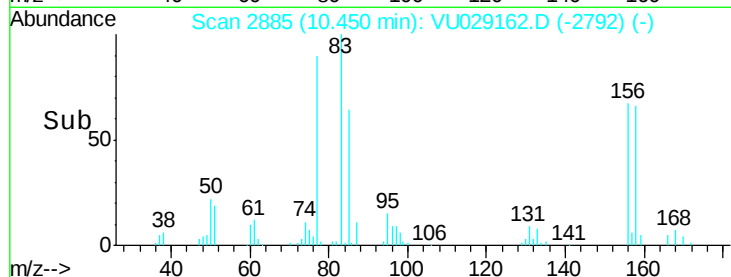
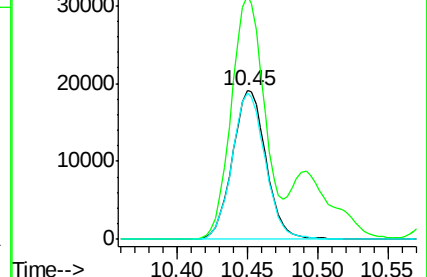
158 96.9 48.9 146.6



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VU0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 20.312 ug/l

RT: 10.58 min Scan# 2927

Delta R.T. 0.00 min

Lab File: VU029162.D

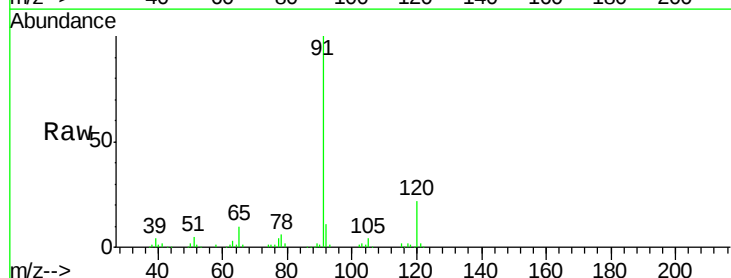
Acq: 14 Jan 2019 13:48

Tgt Ion: 91 Resp: 147577

Ion Ratio Lower Upper

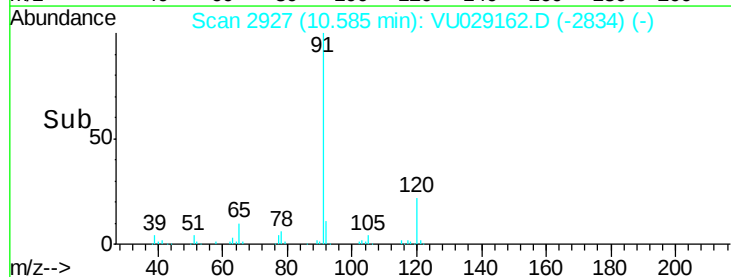
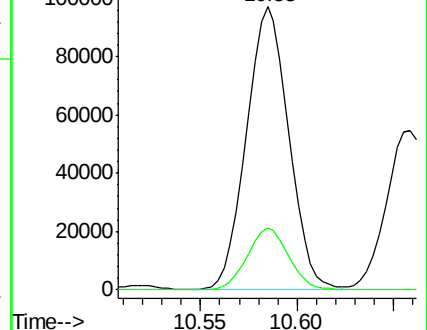
91 100

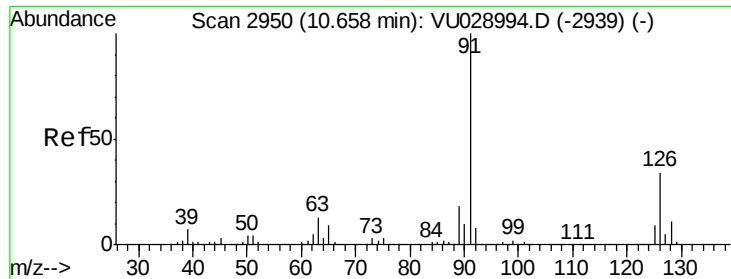
120 21.6 11.3 33.9



Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 20.087 ug/l

RT: 10.66 min Scan# 2950

Delta R.T. 0.00 min

Lab File: VU029162.D

Acq: 14 Jan 2019 13:48

Instrument :

MSVOA_U

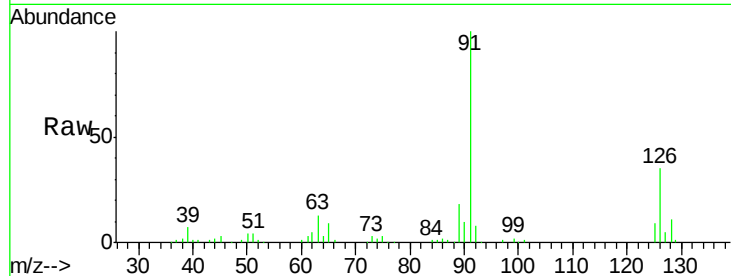
ClientSampleId :

Tot Ion: 91 Resp: 88528

Ion Ratio Lower Upper

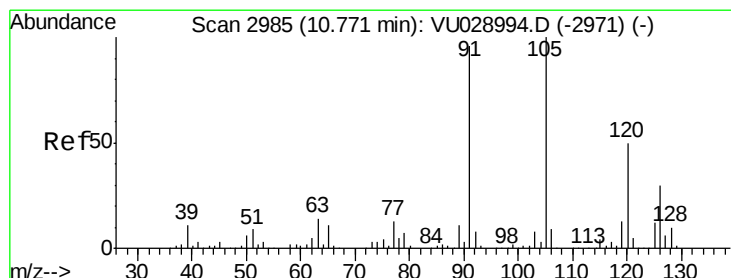
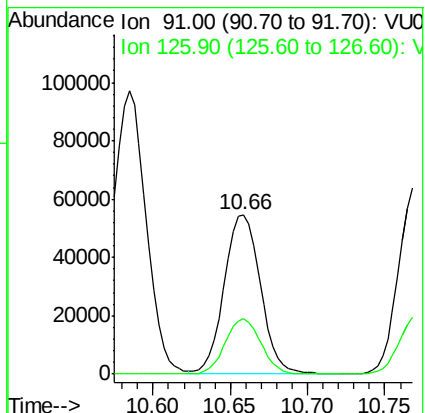
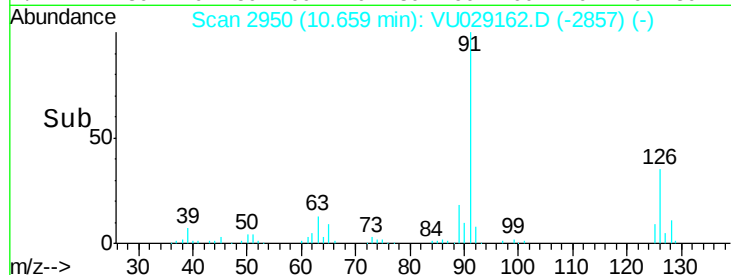
91 100

126 34.3 16.8 50.4



Abundance Ion 91.00 (90.70 to 91.70): VU028994.D (-2939) (-)

Ion 125.90 (125.60 to 126.60): VU028994.D (-2939) (-)



#80

1,3,5-Trimethylbenzene

Concen: 20.047 ug/l

RT: 10.77 min Scan# 2984

Delta R.T. -0.00 min

Lab File: VU029162.D

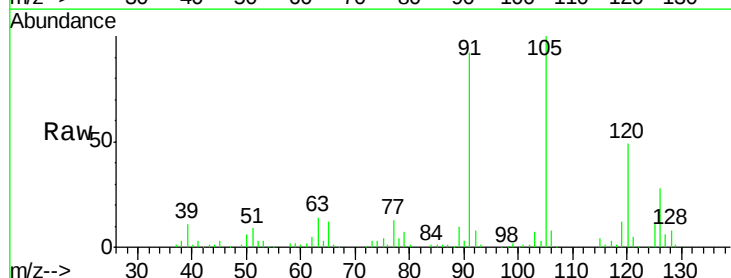
Acq: 14 Jan 2019 13:48

Tgt Ion: 105 Resp: 103209

Ion Ratio Lower Upper

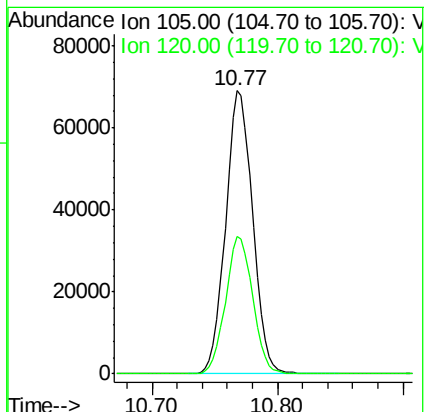
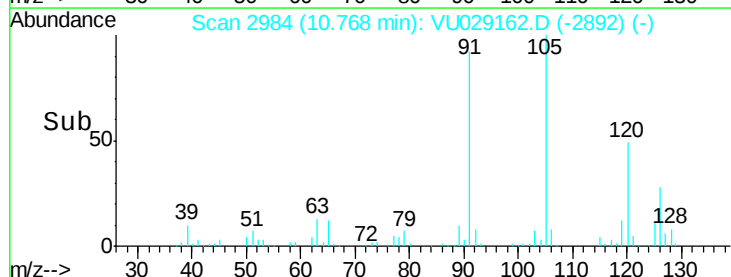
105 100

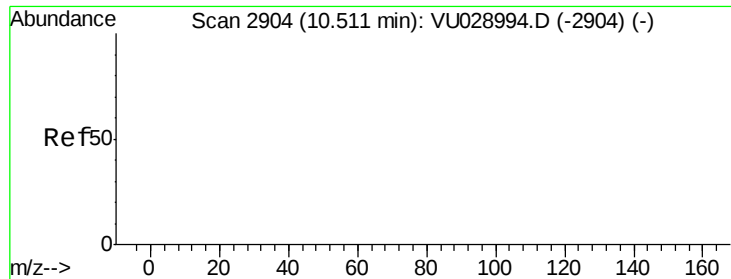
120 48.5 24.8 74.4



Abundance Ion 105.00 (104.70 to 105.70): VU028994.D (-2971) (-)

Ion 120.00 (119.70 to 120.70): VU028994.D (-2971) (-)

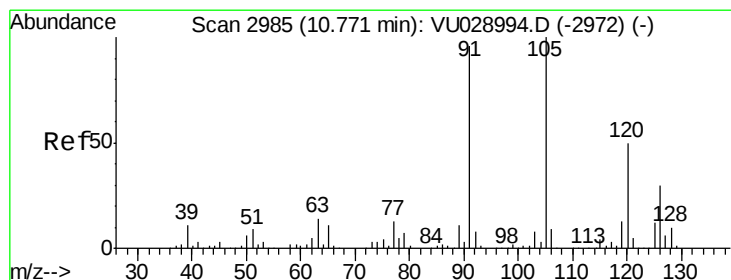
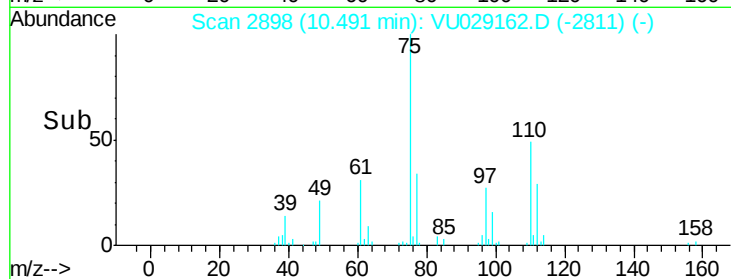
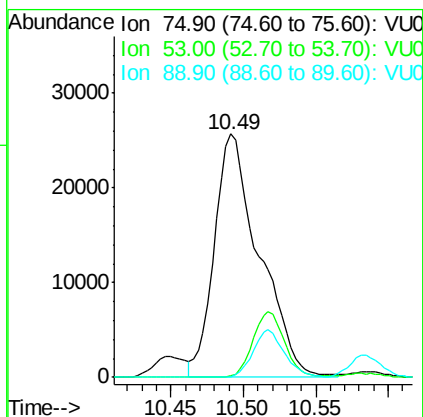
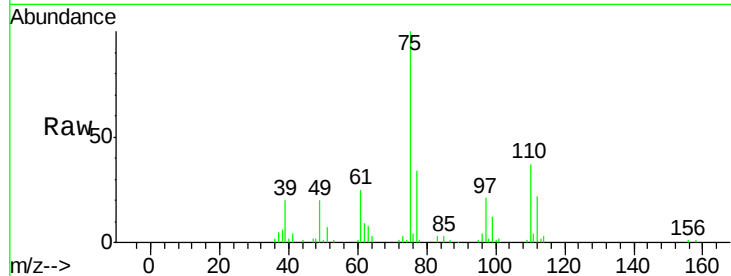




#81
trans-1,4-Dichloro-2-butene
Concen: 70.372 ug/l
RT: 10.49 min Scan# 2898
Delta R.T. -0.02 min
Lab File: VU029162.D
Acq: 14 Jan 2019 13:48

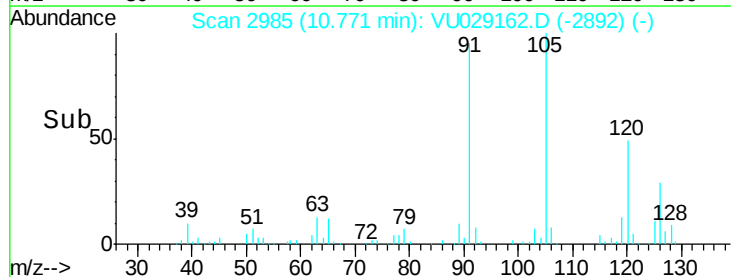
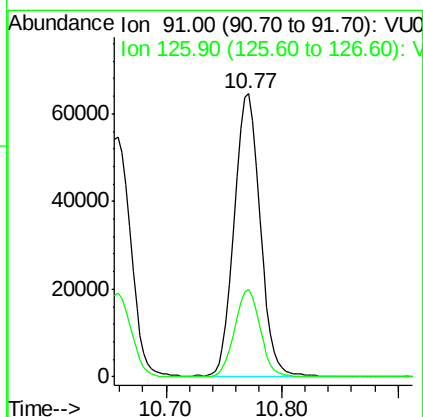
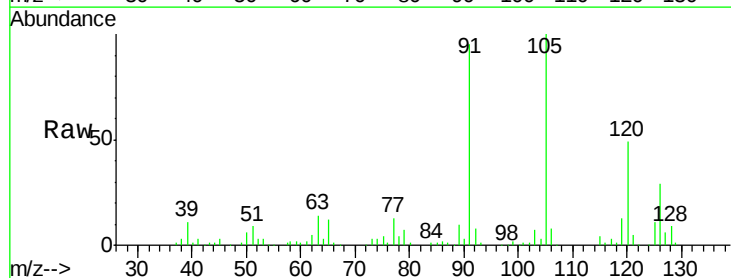
Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 75 Resp: 55684
Ion Ratio Lower Upper
75 100
53 0.0 0.0 0.0
89 0.0 0.0 0.0



#82
4-Chlorotoluene
Concen: 19.613 ug/l
RT: 10.77 min Scan# 2985
Delta R.T. 0.00 min
Lab File: VU029162.D
Acq: 14 Jan 2019 13:48

Tgt Ion: 91 Resp: 99118
Ion Ratio Lower Upper
91 100
126 30.6 15.5 46.5

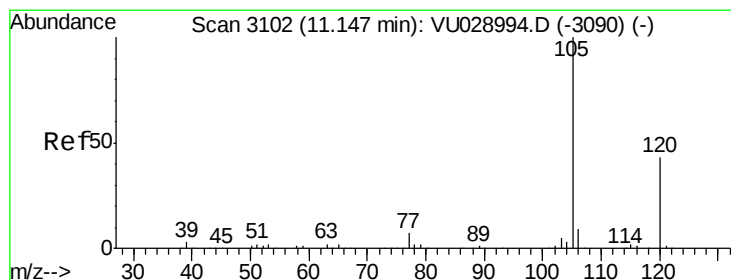
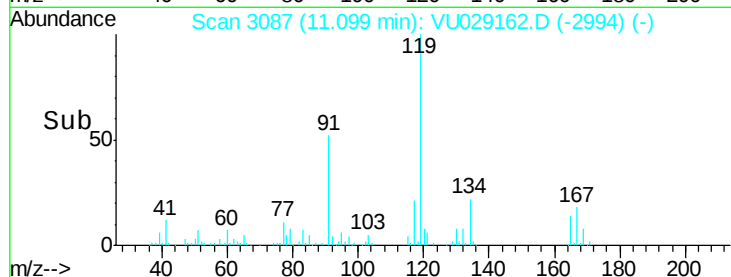
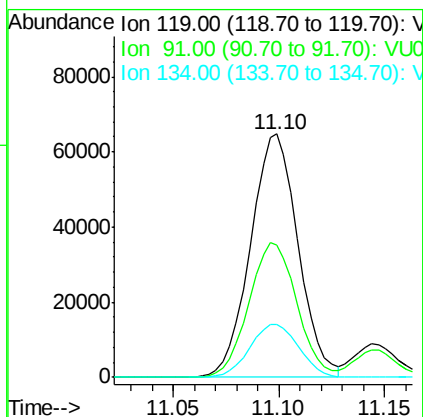
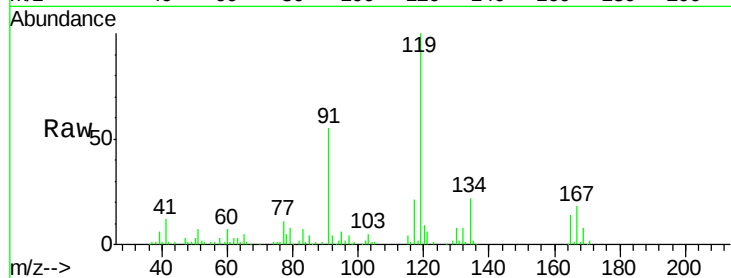




#83
tert-Butylbenzene
Concen: 20.028 ug/l
RT: 11.10 min Scan# 3087
Delta R.T. 0.00 min
Lab File: VU029162.D
Acq: 14 Jan 2019 13:48

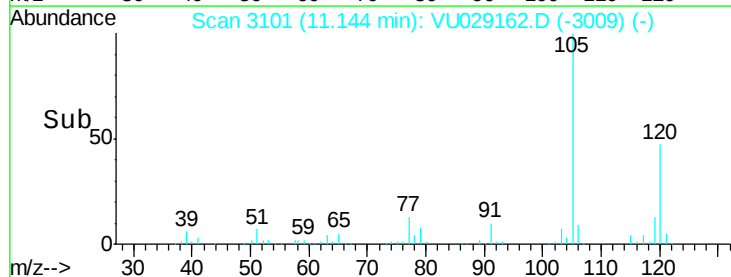
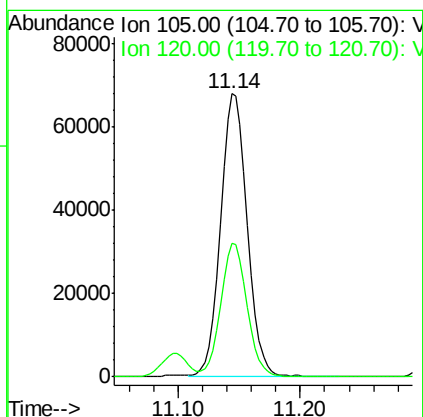
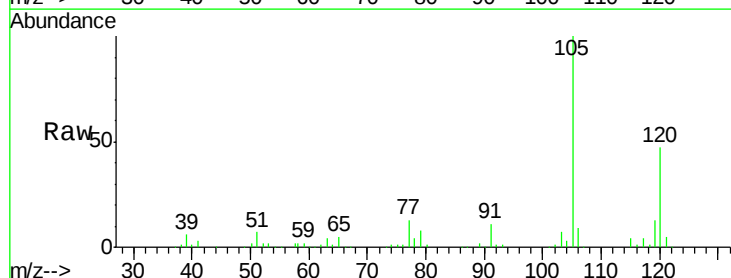
Instrument :
MSVOA_U
ClientSampleId :

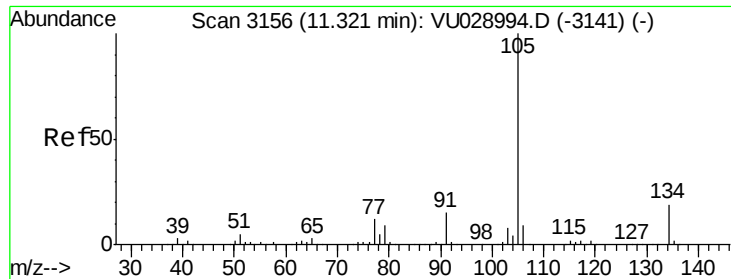
Tot Ion:119 Resp: 101629
Ion Ratio Lower Upper
119 100
91 55.6 28.2 84.6
134 22.5 11.3 33.8



#84
1,2,4-Trimethylbenzene
Concen: 20.339 ug/l
RT: 11.14 min Scan# 3101
Delta R.T. -0.00 min
Lab File: VU029162.D
Acq: 14 Jan 2019 13:48

Tgt Ion:105 Resp: 104543
Ion Ratio Lower Upper
105 100
120 46.4 23.1 69.3

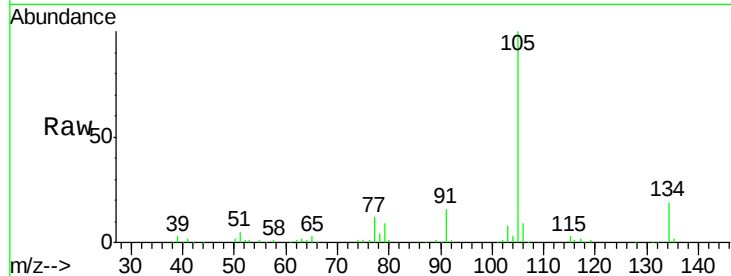




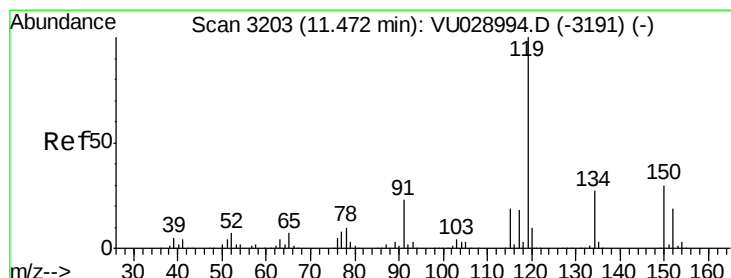
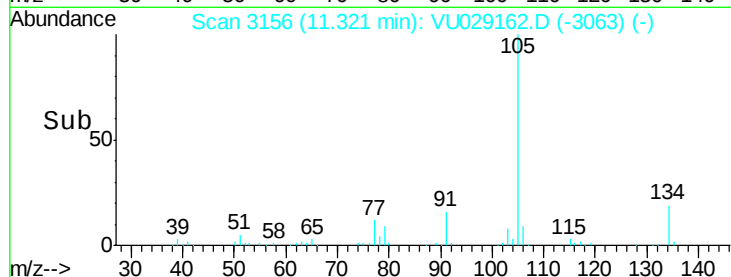
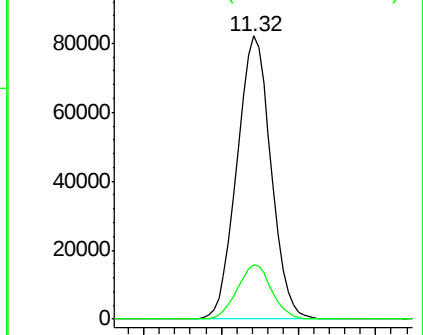
#85
 sec-Butylbenzene
 Concen: 20.420 ug/l
 RT: 11.32 min Scan# 3156
 Delta R.T. 0.00 min
 Lab File: VU029162.D
 Acq: 14 Jan 2019 13:48

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion:105 Resp: 125313
 Ion Ratio Lower Upper
 105 100
 134 19.4 9.7 29.1

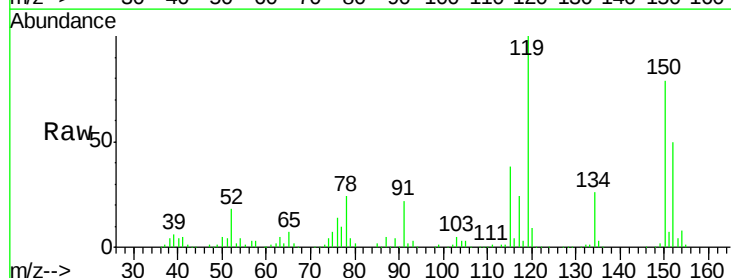


Abundance Ion 105.00 (104.70 to 105.70): V
 Ion 134.00 (133.70 to 134.70): V

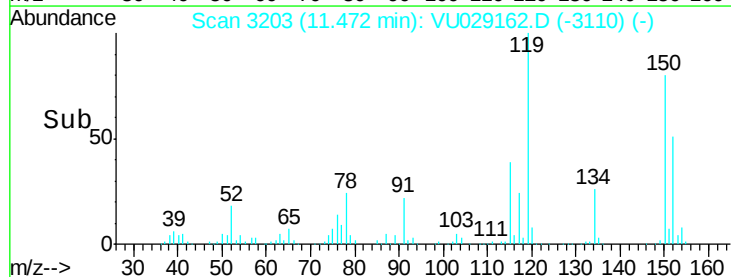
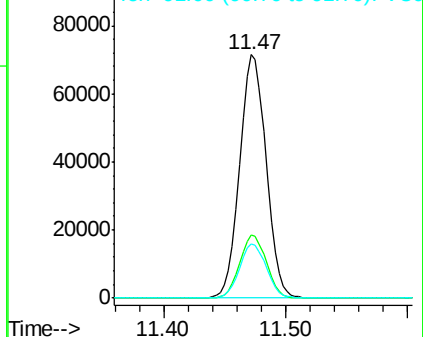


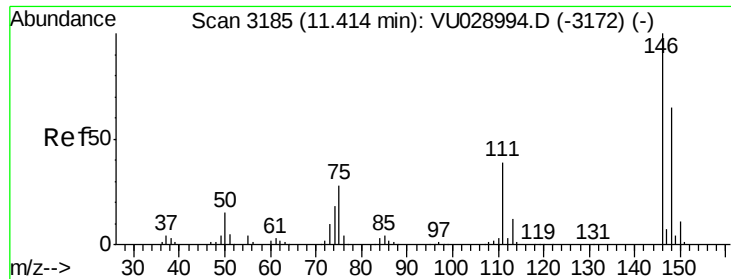
#86
 p-Isopropyltoluene
 Concen: 20.397 ug/l
 RT: 11.47 min Scan# 3203
 Delta R.T. 0.00 min
 Lab File: VU029162.D
 Acq: 14 Jan 2019 13:48

Tgt Ion:119 Resp: 106663
 Ion Ratio Lower Upper
 119 100
 134 25.9 13.5 40.4
 91 22.7 11.3 33.8



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





#87

1,3-Dichlorobenzene

Concen: 19.320 ug/l

RT: 11.41 min Scan# 3185

Delta R.T. 0.00 min

Lab File: VU029162.D

Acq: 14 Jan 2019 13:48

Instrument :

MSVOA_U

ClientSampleId :

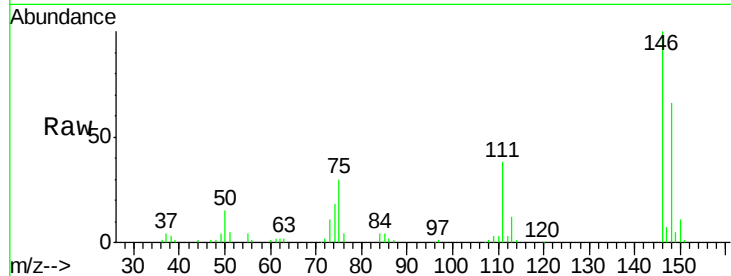
Tot Ion:146 Resp: 56934

Ion Ratio Lower Upper

146 100

111 39.1 19.3 57.8

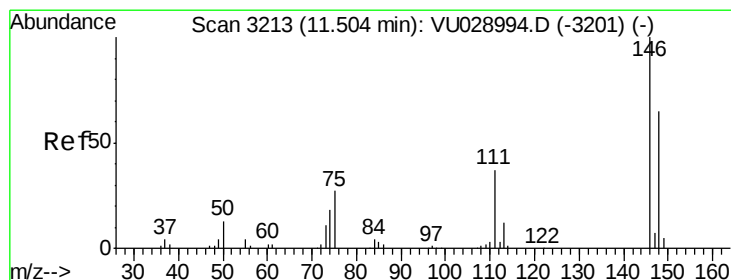
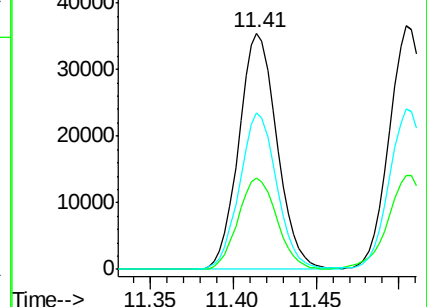
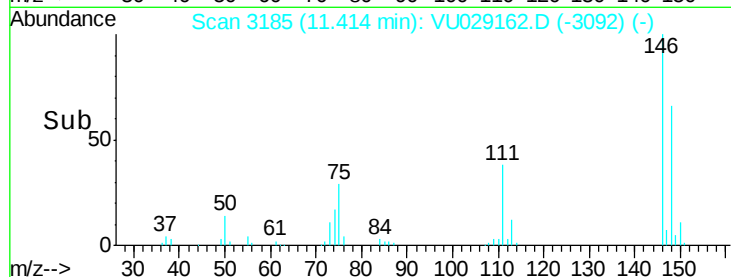
148 64.6 32.5 97.5



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



#88

1,4-Dichlorobenzene

Concen: 19.056 ug/l

RT: 11.50 min Scan# 3213

Delta R.T. 0.00 min

Lab File: VU029162.D

Acq: 14 Jan 2019 13:48

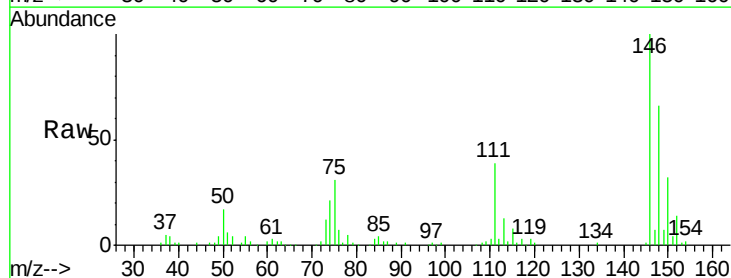
Tgt Ion:146 Resp: 57964

Ion Ratio Lower Upper

146 100

111 39.5 19.1 57.3

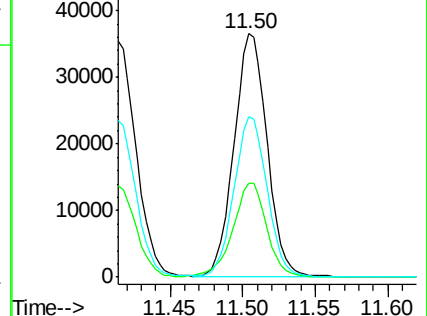
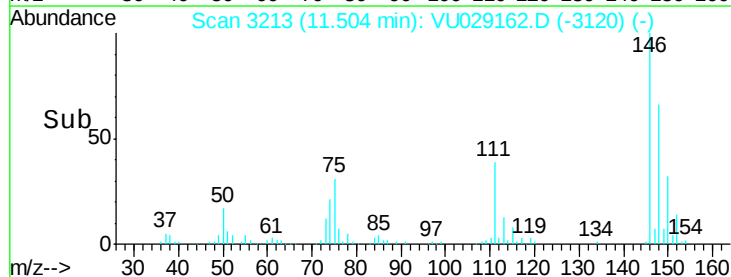
148 65.8 32.6 98.0

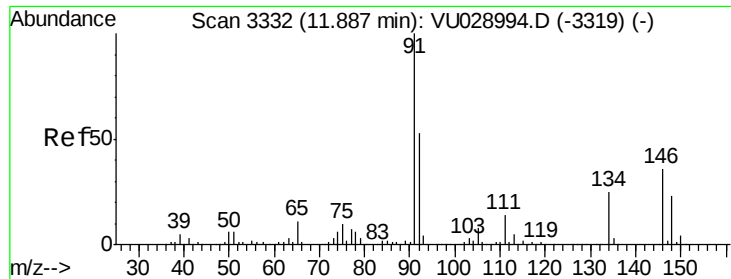


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V

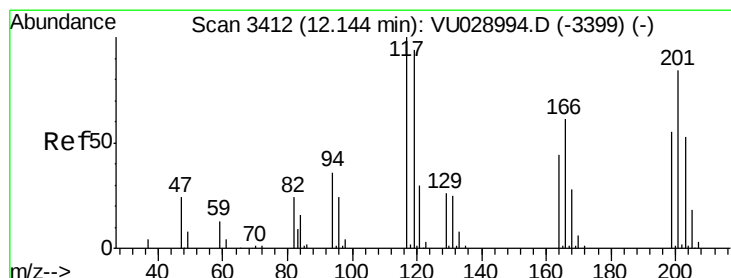
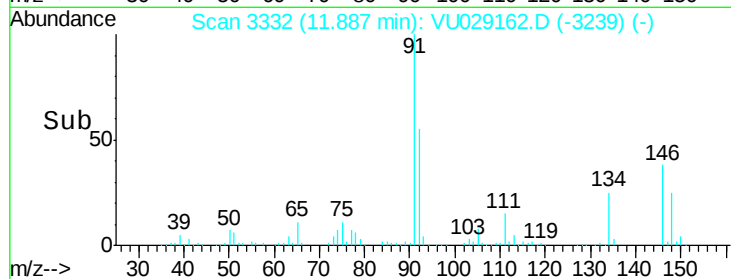
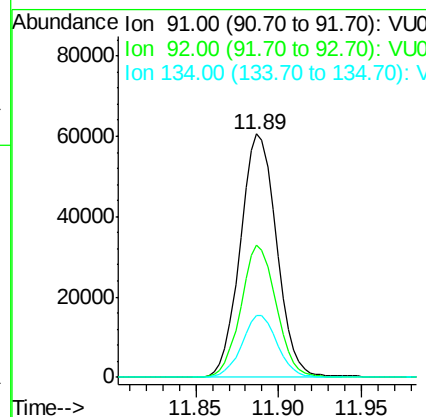
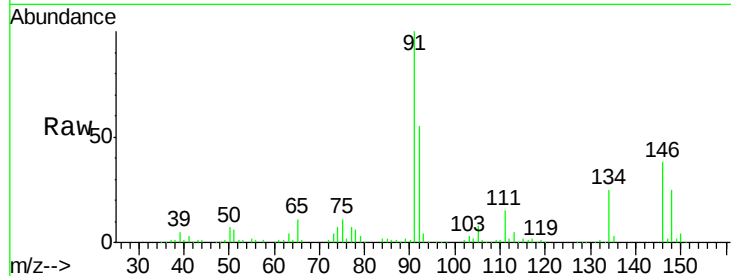




#89
n-Butylbenzene
Concen: 19.851 ug/l
RT: 11.89 min Scan# 3332
Delta R.T. 0.00 min
Lab File: VU029162.D
Acq: 14 Jan 2019 13:48

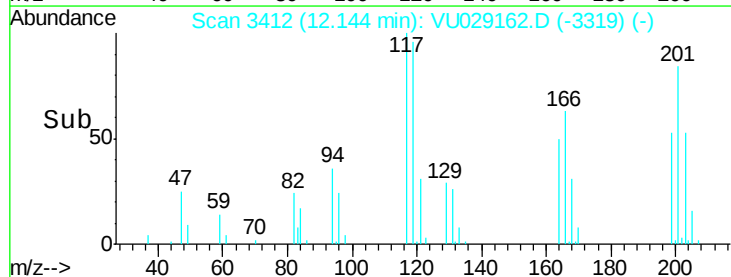
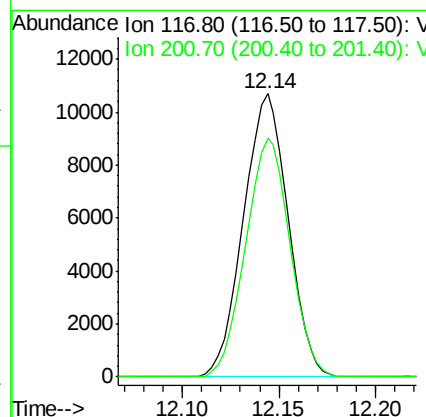
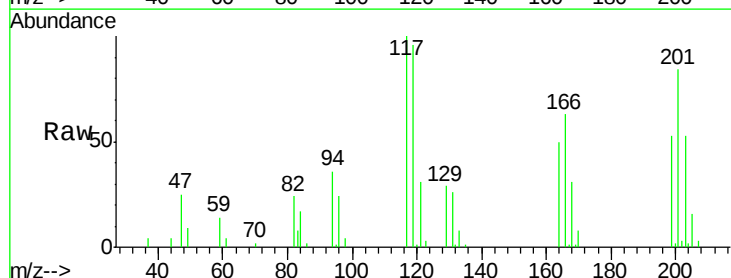
Instrument :
MSVOA_U
ClientSampled :

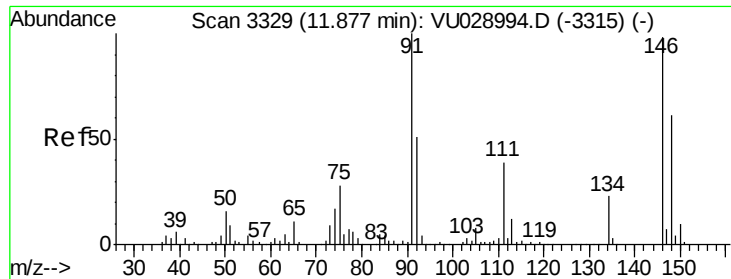
Tot Ion: 91 Resp: 92651
Ion Ratio Lower Upper
91 100
92 52.9 26.2 78.5
134 24.9 12.6 37.6



#90
Hexachloroethane
Concen: 19.520 ug/l
RT: 12.14 min Scan# 3412
Delta R.T. 0.00 min
Lab File: VU029162.D
Acq: 14 Jan 2019 13:48

Tgt Ion: 117 Resp: 17172
Ion Ratio Lower Upper
117 100
201 83.7 42.4 127.3

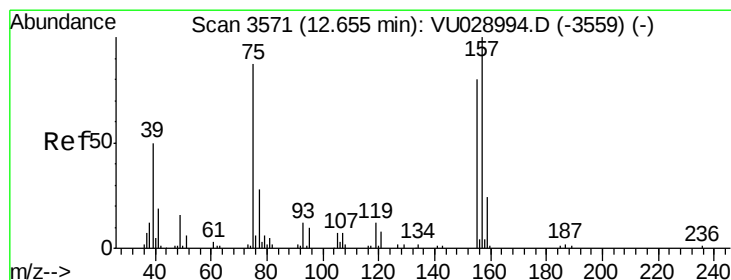
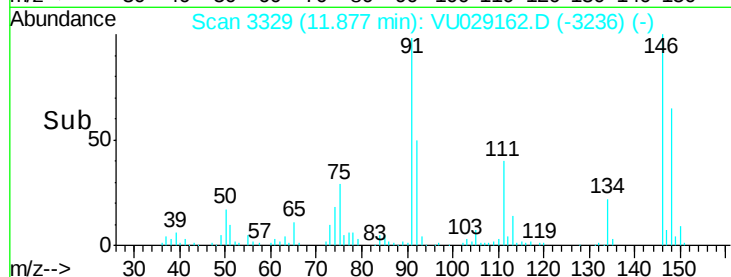
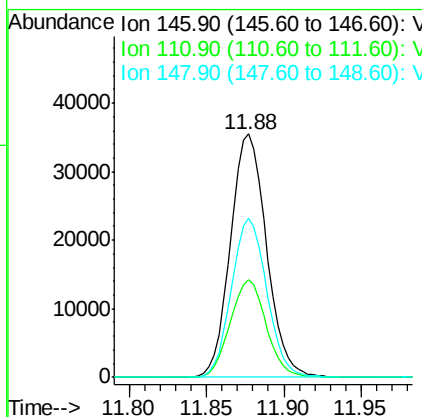
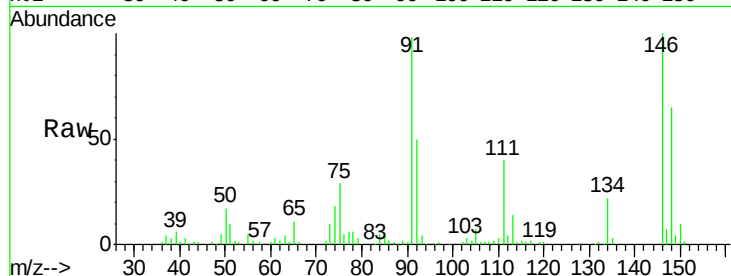




#91
 1,2-Dichlorobenzene
 Concen: 19.387 ug/l
 RT: 11.88 min Scan# 3329
 Delta R.T. 0.00 min
 Lab File: VU029162.D
 Acq: 14 Jan 2019 13:48

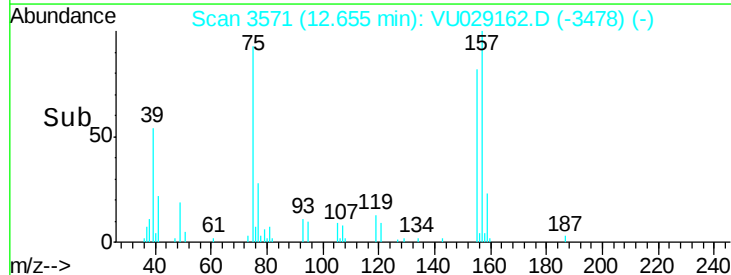
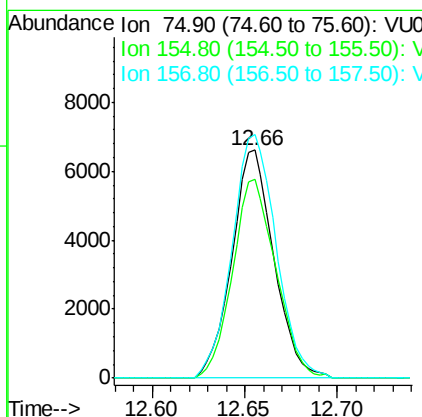
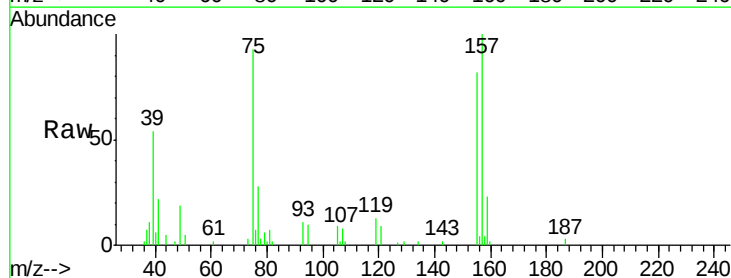
Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion:146 Resp: 57543
 Ion Ratio Lower Upper
 146 100
 111 40.0 20.0 59.9
 148 64.0 31.6 94.8



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 21.926 ug/l
 RT: 12.66 min Scan# 3571
 Delta R.T. 0.00 min
 Lab File: VU029162.D
 Acq: 14 Jan 2019 13:48

Tgt Ion: 75 Resp: 10420
 Ion Ratio Lower Upper
 75 100
 155 89.5 46.3 138.8
 157 111.7 57.4 172.0

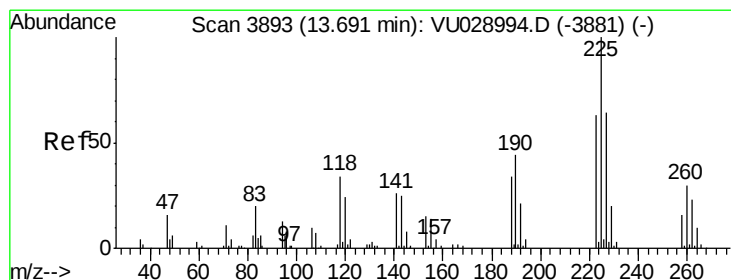
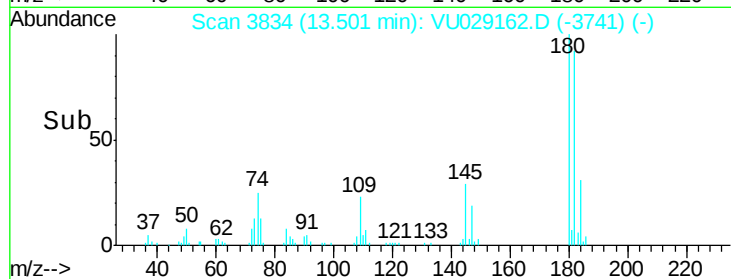
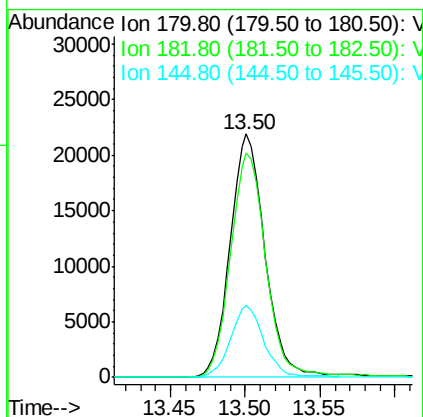
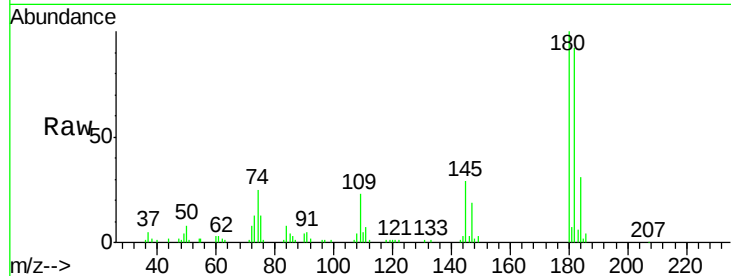




#93
 1,2,4-Trichlorobenzene
 Concen: 18.709 ug/l
 RT: 13.50 min Scan# 3834
 Delta R.T. 0.00 min
 Lab File: VU029162.D
 Acq: 14 Jan 2019 13:48

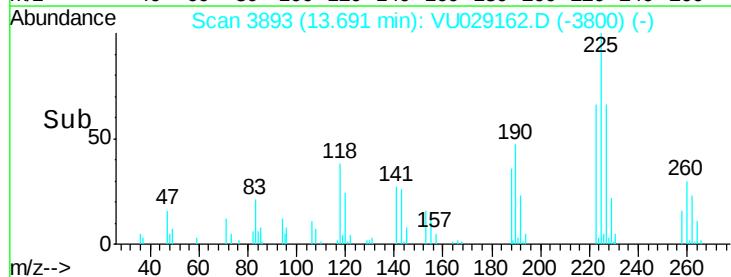
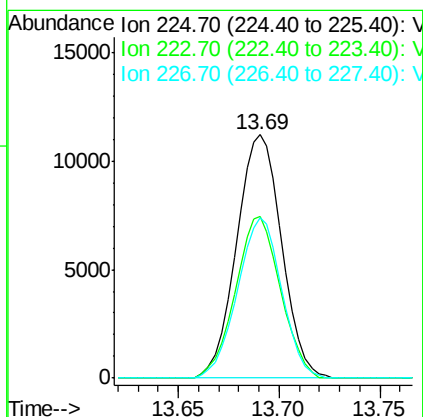
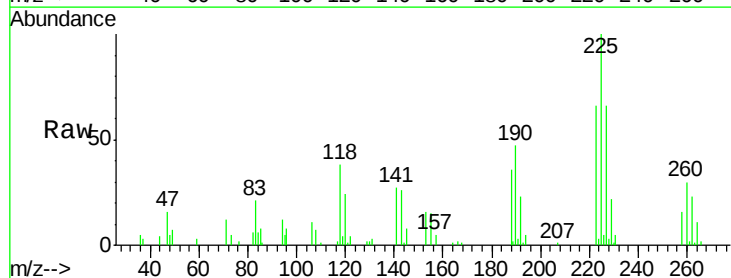
Instrument :
 MSVOA_U
 ClientSampleId :

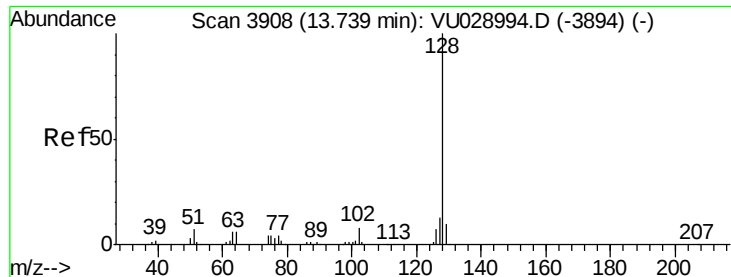
Tot Ion:180 Resp: 35448
 Ion Ratio Lower Upper
 180 100
 182 93.9 47.5 142.6
 145 28.1 14.0 42.0



#94
 Hexachlorobutadiene
 Concen: 20.243 ug/l
 RT: 13.69 min Scan# 3893
 Delta R.T. 0.00 min
 Lab File: VU029162.D
 Acq: 14 Jan 2019 13:48

Tgt Ion:225 Resp: 17543
 Ion Ratio Lower Upper
 225 100
 223 66.2 31.4 94.0
 227 64.6 31.9 95.5

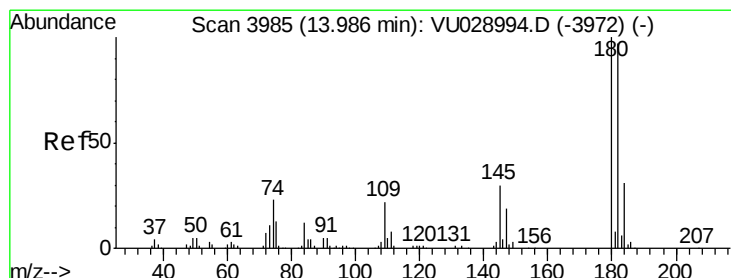
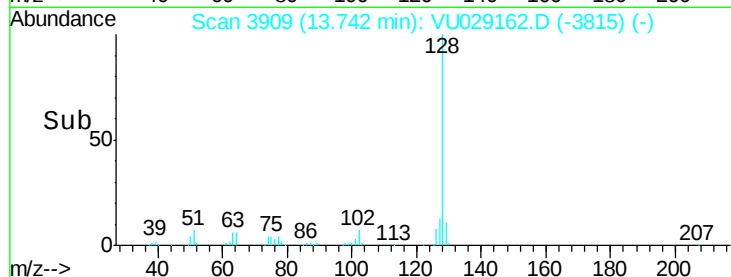
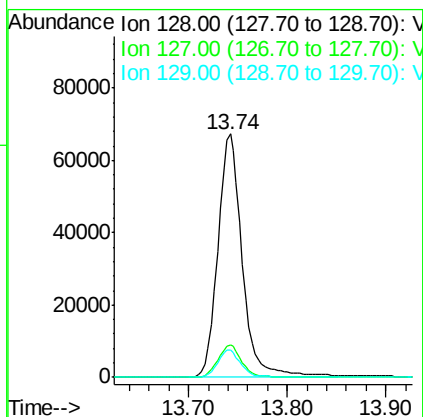
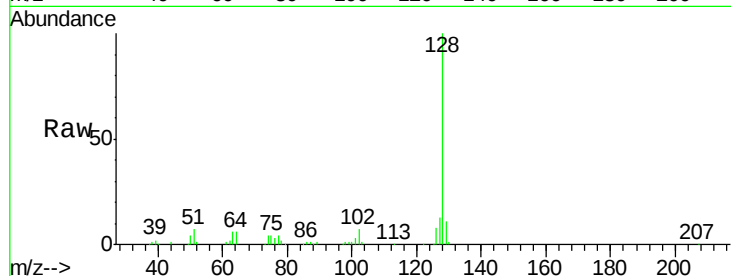




#95
Naphthalene
Concen: 18.142 ug/l
RT: 13.74 min Scan# 3909
Delta R.T. 0.00 min
Lab File: VU029162.D
Acq: 14 Jan 2019 13:48

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion:128 Resp: 116932
Ion Ratio Lower Upper
128 100
127 12.9 10.1 15.1
129 10.6 8.5 12.7



#96
1,2,3-Trichlorobenzene
Concen: 20.133 ug/l
RT: 13.99 min Scan# 3985
Delta R.T. 0.00 min
Lab File: VU029162.D
Acq: 14 Jan 2019 13:48

Tgt Ion:180 Resp: 38352
Ion Ratio Lower Upper
180 100
182 94.0 48.1 144.3
145 29.3 14.8 44.4

