

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU090319\
 Data File : VU034189.D
 Acq On : 02 Sep 2019 10:10
 Operator : JC/SP
 Sample : VU0903WBS01
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0903WBS01

Quant Time: Sep 03 05:51:01 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U082919W.M
 Quant Title : SW846 8260
 QLast Update : Thu Aug 29 04:11:12 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.96	168	415953	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.86	114	633225	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.07	117	604044	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.46	152	327198	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.29	65	257850	48.38	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.76%	
35) Dibromofluoromethane	4.86	113	219776	50.04	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.08%	
50) Toluene-d8	7.55	98	833861	50.71	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.42%	
62) 4-Bromofluorobenzene	10.29	95	310038	48.47	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.94%	

Target Compounds					Qvalue
2) Dichlorodifluoromethane	1.20	85	79372	18.973	ug/l 100
3) Chloromethane	1.32	50	97314	15.997	ug/l 100
4) Vinyl Chloride	1.40	62	102059	18.330	ug/l 100
5) Bromomethane	1.62	94	56074	17.101	ug/l 99
6) Chloroethane	1.69	64	61534	18.078	ug/l 98
7) Trichlorofluoromethane	1.88	101	123312	19.114	ug/l 99
8) Diethyl Ether	2.09	74	52902	19.169	ug/l 99
9) 1,1,2-Trichlorotrifluoroet	2.28	101	80444	19.683	ug/l 99
10) Methyl Iodide	2.40	142	57409	9.902	ug/l 98
11) Tert butyl alcohol	2.81	59	108371	88.173	ug/l 99
12) 1,1-Dichloroethene	2.27	96	79688	19.137	ug/l 98
13) Acrolein	2.18	56	25757	49.816	ug/l 99
14) Allyl chloride	2.58	41	132282	16.896	ug/l 95
15) Acrylonitrile	2.92	53	277953	98.553	ug/l 100
16) Acetone	2.31	43	287419	105.689	ug/l 99
17) Carbon Disulfide	2.47	76	218583	16.585	ug/l 100
18) Methyl Acetate	2.60	43	133903	19.054	ug/l 98
19) Methyl tert-butyl Ether	2.98	73	267975	19.641	ug/l 98
20) Methylene Chloride	2.69	84	95812	18.610	ug/l 98
21) trans-1,2-Dichloroethene	2.97	96	83735	18.528	ug/l 95
22) Diisopropyl ether	3.55	45	288345	20.099	ug/l 95
23) Vinyl Acetate	3.50	43	1191142	96.652	ug/l 99
24) 1,1-Dichloroethane	3.42	63	166181	19.620	ug/l 99
25) 2-Butanone	4.24	43	379814	100.386	ug/l 100
26) 2,2-Dichloropropane	4.20	77	134976	19.584	ug/l 98
27) cis-1,2-Dichloroethene	4.20	96	96598	19.043	ug/l 99
28) Bromochloromethane	4.52	49	83654	20.047	ug/l 98
29) Tetrahydrofuran	4.62	42	231249	99.108	ug/l 99
30) Chloroform	4.65	83	165981	19.641	ug/l 99
31) Cyclohexane	4.97	56	144670	18.177	ug/l 98
32) 1,1,1-Trichloroethane	4.89	97	133920	19.349	ug/l 98
36) 1,1-Dichloropropene	5.12	75	116565	19.462	ug/l 98
37) Ethyl Acetate	4.36	43	131322	19.579	ug/l 99
38) Carbon Tetrachloride	5.11	117	113570	19.644	ug/l 96

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 Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.40	83	132656	18.791	ug/l	96
40) Benzene	5.37	78	361259	19.935	ug/l	100
41) Methacrylonitrile	4.52	41	70070	20.370	ug/l	99
42) 1,2-Dichloroethane	5.38	62	126109	20.153	ug/l	99
43) Isopropyl Acetate	5.53	43	196951	19.301	ug/l	100
44) Trichloroethene	6.17	130	95132	19.991	ug/l	97
45) 1,2-Dichloropropane	6.41	63	100195	20.086	ug/l	98
46) Dibromomethane	6.54	93	65009	20.228	ug/l	98
47) Bromodichloromethane	6.74	83	128638	20.458	ug/l	97
48) Methyl methacrylate	6.60	41	93173	18.923	ug/l	97
49) 1,4-Dioxane	6.59	88	44793	363.073	ug/l	98
51) 4-Methyl-2-Pentanone	7.44	43	688445	97.695	ug/l	100
52) Toluene	7.62	92	225150	20.169	ug/l	99
53) t-1,3-Dichloropropene	7.86	75	134306	19.250	ug/l	99
54) cis-1,3-Dichloropropene	7.25	75	151206	19.837	ug/l	99
55) 1,1,2-Trichloroethane	8.05	97	95815	20.291	ug/l	98
56) Ethyl methacrylate	8.00	69	132362	17.542	ug/l	99
57) 1,3-Dichloropropane	8.22	76	158102	19.719	ug/l	97
58) 2-Chloroethyl Vinyl ether	7.11	63	225285	86.240	ug/l	99
59) 2-Hexanone	8.34	43	528883	99.418	ug/l	99
60) Dibromochloromethane	8.46	129	99465	19.623	ug/l	100
61) 1,2-Dibromoethane	8.57	107	97641	19.630	ug/l	99
64) Tetrachloroethene	8.21	164	87439	21.555	ug/l	98
65) Chlorobenzene	9.10	112	245906	19.782	ug/l	97
66) 1,1,1,2-Tetrachloroethane	9.19	131	89580	19.874	ug/l	99
67) Ethyl Benzene	9.23	91	419776	19.921	ug/l	98
68) m/p-Xylenes	9.36	106	321237	40.093	ug/l	99
69) o-Xylene	9.76	106	151904	19.761	ug/l	98
70) Styrene	9.77	104	267298	20.280	ug/l	100
71) Bromoform	9.94	173	75267	19.219	ug/l #	99
73) Isopropylbenzene	10.15	105	416614	18.956	ug/l	99
74) N-amyl acetate	10.00	43	167871	18.161	ug/l	99
75) 1,1,2,2-Tetrachloroethane	10.44	83	157785	18.757	ug/l	99
76) 1,2,3-Trichloropropane	10.47	75	172848	23.439	ug/l	87
77) Bromobenzene	10.43	156	111606	18.878	ug/l	99
78) n-propylbenzene	10.57	91	490774	19.175	ug/l	100
79) 2-Chlorotoluene	10.64	91	292017	19.021	ug/l	100
80) 1,3,5-Trimethylbenzene	10.75	105	364221	19.553	ug/l	100
81) trans-1,4-Dichloro-2-buten	10.47	75	173342	79.149	ug/l #	100
82) 4-Chlorotoluene	10.75	91	346442	19.622	ug/l	99
83) tert-Butylbenzene	11.08	119	337016	18.379	ug/l	99
84) 1,2,4-Trimethylbenzene	11.13	105	359264	19.423	ug/l	98
85) sec-Butylbenzene	11.30	105	415115	18.888	ug/l	100
86) p-Isopropyltoluene	11.46	119	383656	19.301	ug/l	99
87) 1,3-Dichlorobenzene	11.40	146	202190	19.318	ug/l	100
88) 1,4-Dichlorobenzene	11.49	146	204431	19.313	ug/l	99
89) n-Butylbenzene	11.87	91	332048	18.947	ug/l	99
90) Hexachloroethane	12.12	117	56717	16.503	ug/l	99
91) 1,2-Dichlorobenzene	11.86	146	196099	19.559	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.64	75	31482	18.786	ug/l	96

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Instrument :
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Quant Title : SW846 8260
QLast Update : Thu Aug 29 04:11:12 2019
Response via : Initial Calibration

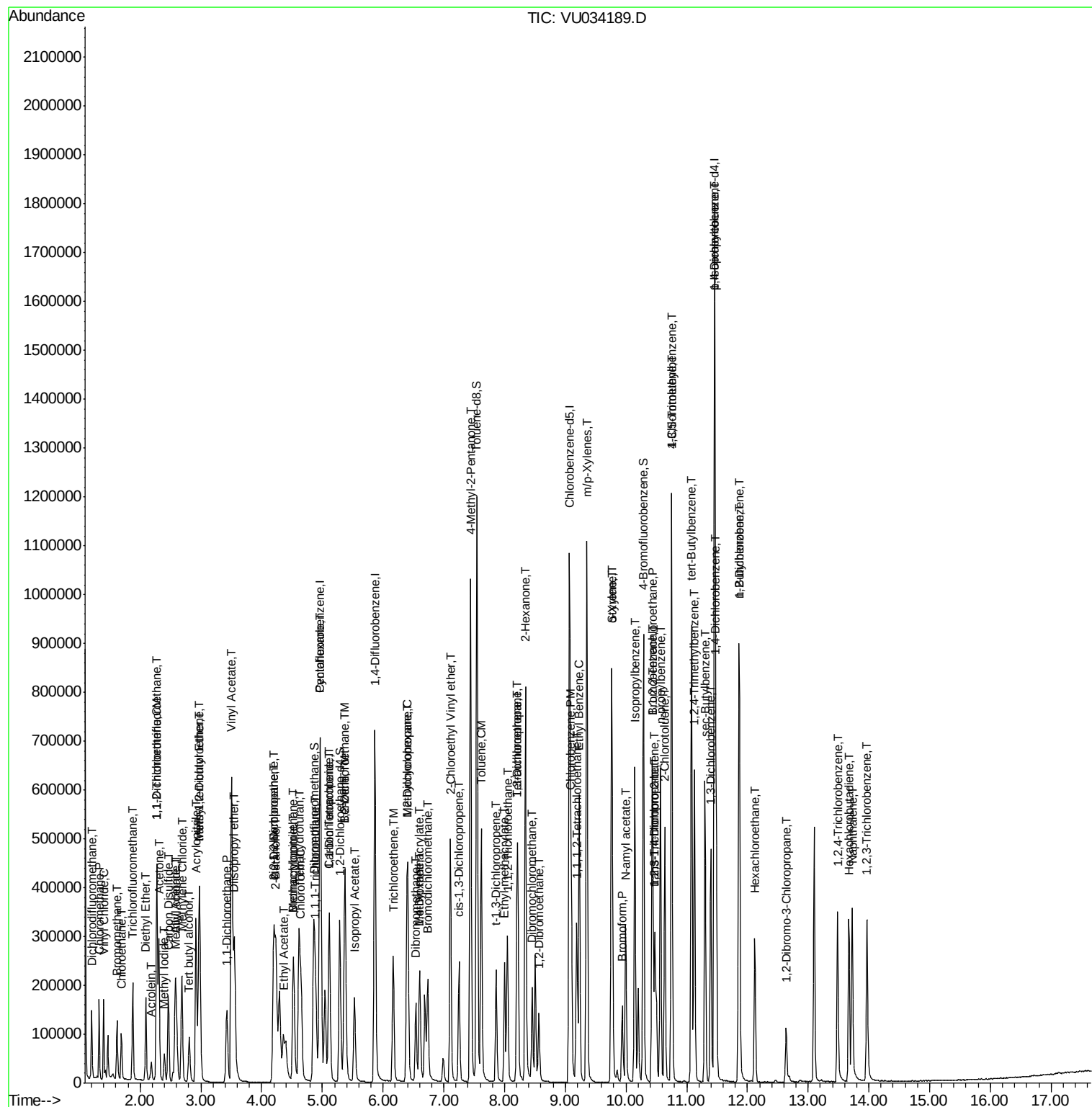
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.48	180	121842	17.818	ug/l	99
94) Hexachlorobutadiene	13.67	225	64670	16.488	ug/l	98
95) Naphthalene	13.73	128	332601	17.492	ug/l	99
96) 1,2,3-Trichlorobenzene	13.97	180	122110	19.012	ug/l	99

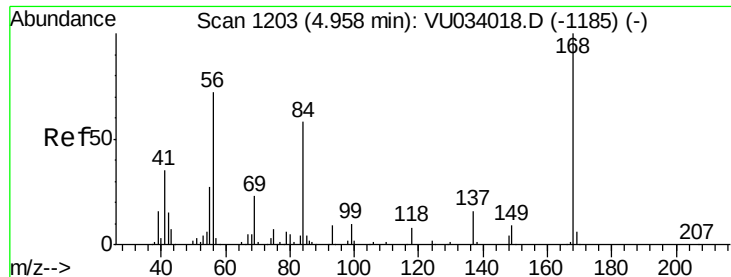
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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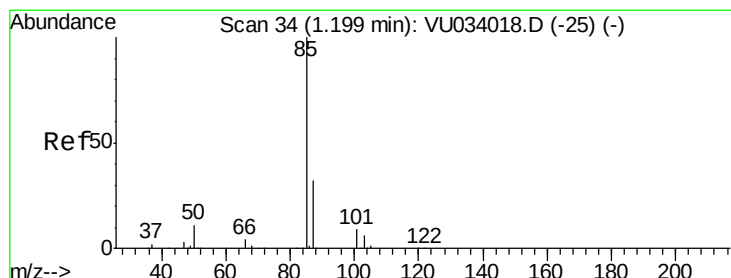
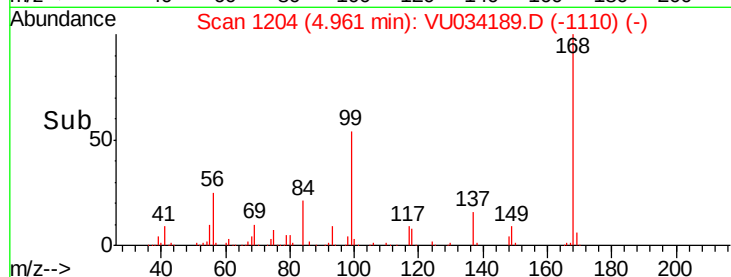
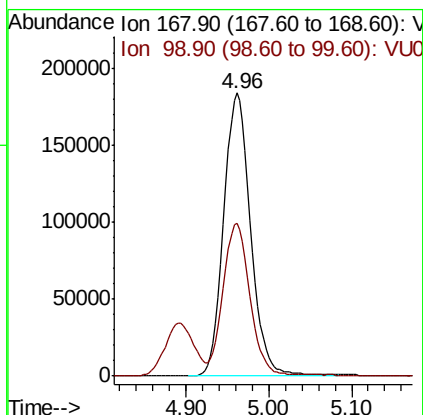
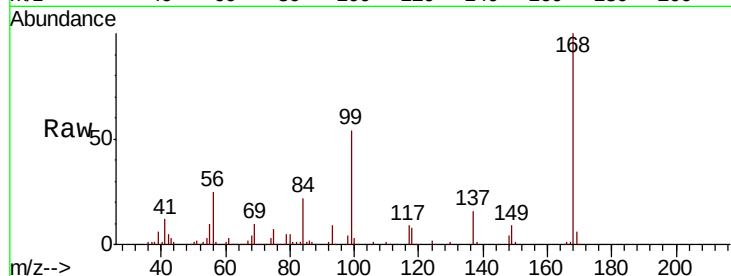




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 4.96 min Scan# 1204
Delta R.T. 0.00 min
Lab File: VU034189.D
Acq: 02 Sep 2019 10:10

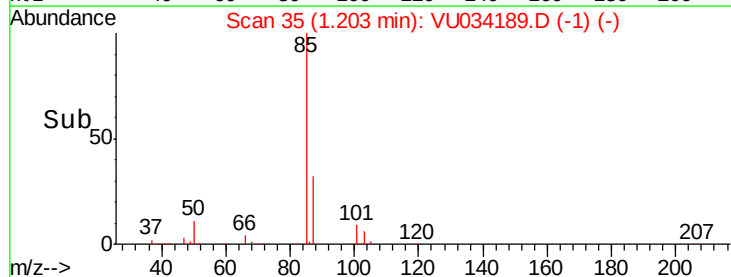
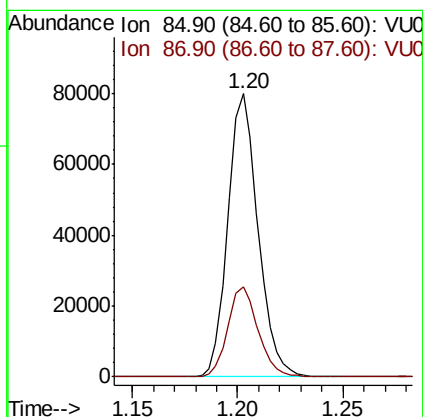
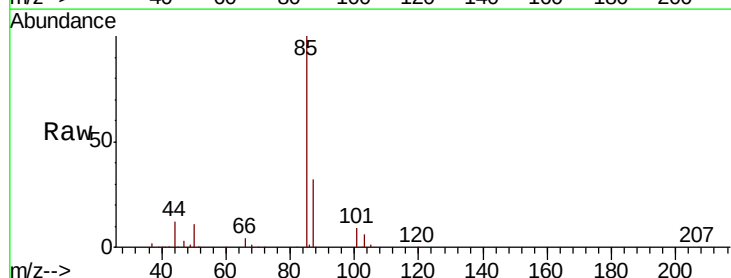
Instrument :
MSVOA_U
ClientSampleId :
VU0903WBS01

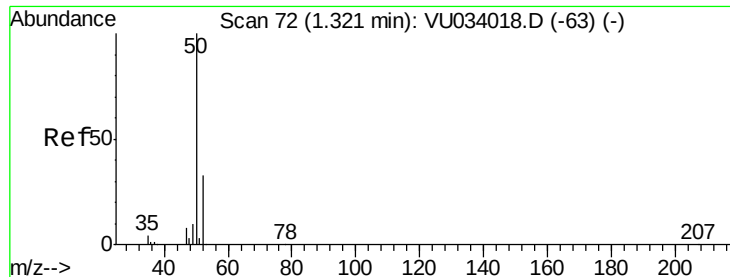
Tgt Ion: 168 Resp: 415953
Ion Ratio Lower Upper
168 100
99 53.6 42.3 63.5



#2
Dichlorodifluoromethane
Concen: 18.973 ug/l
RT: 1.20 min Scan# 35
Delta R.T. 0.00 min
Lab File: VU034189.D
Acq: 02 Sep 2019 10:10

Tgt Ion: 85 Resp: 79372
Ion Ratio Lower Upper
85 100
87 32.0 16.1 48.3





#3

Chloromethane

Concen: 15.997 ug/l

RT: 1.32 min Scan# 73

Delta R.T. 0.00 min

Lab File: VU034189.D

Acq: 02 Sep 2019 10:10

Instrument :

MSVOA_U

ClientSampleId :

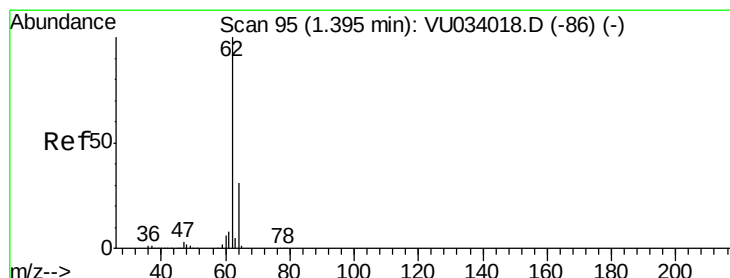
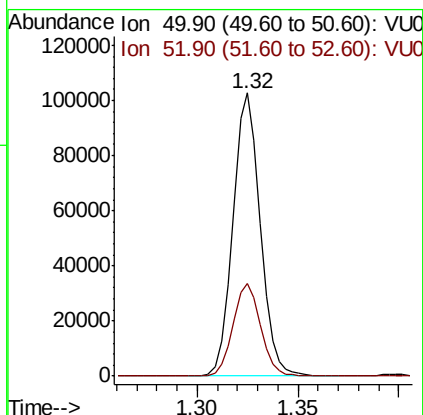
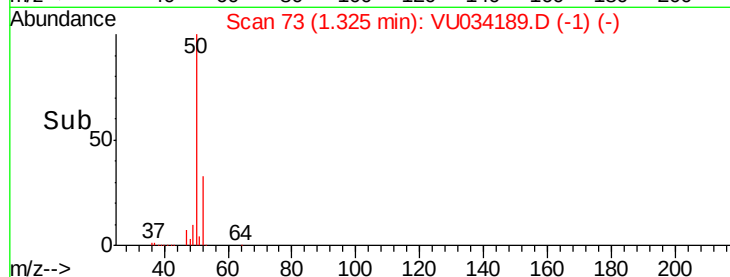
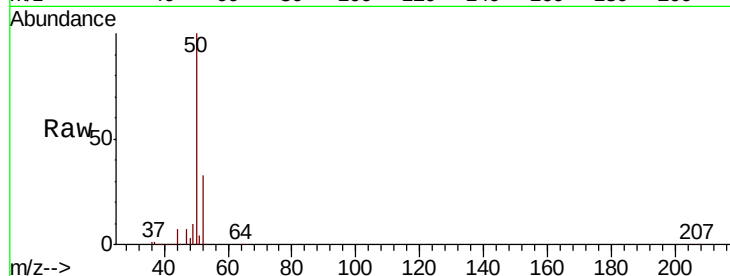
VU0903WBS01

Tgt Ion: 50 Resp: 97314

Ion Ratio Lower Upper

50 100

52 32.7 26.2 39.4



#4

Vinyl Chloride

Concen: 18.330 ug/l

RT: 1.40 min Scan# 96

Delta R.T. 0.00 min

Lab File: VU034189.D

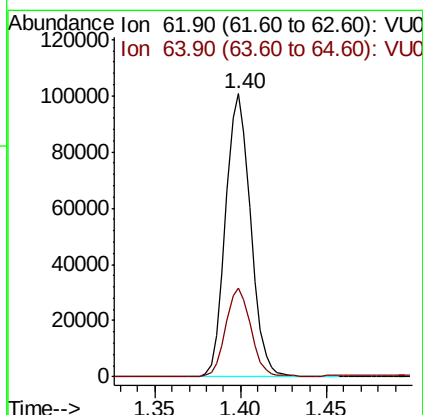
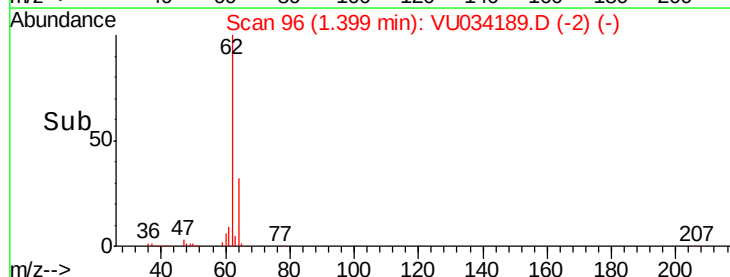
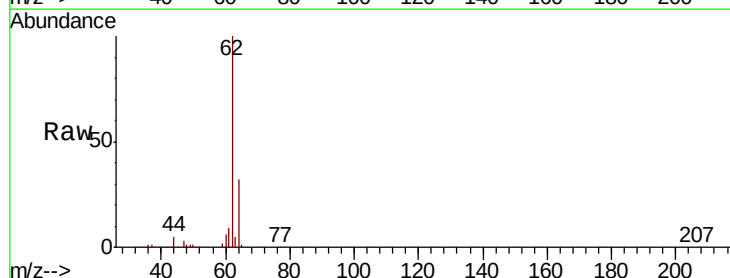
Acq: 02 Sep 2019 10:10

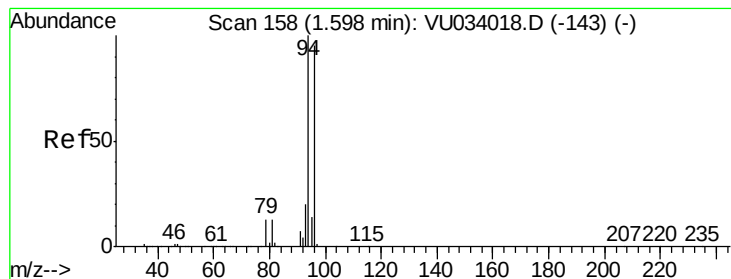
Tgt Ion: 62 Resp: 102059

Ion Ratio Lower Upper

62 100

64 31.4 25.0 37.6





#5

Bromomethane

Concen: 17.101 ug/l

RT: 1.62 min Scan# 164

Delta R.T. 0.02 min

Lab File: VU034189.D

Acq: 02 Sep 2019 10:10

Instrument :

MSVOA_U

ClientSampleId :

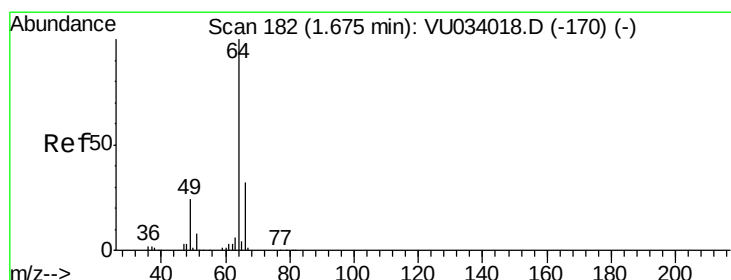
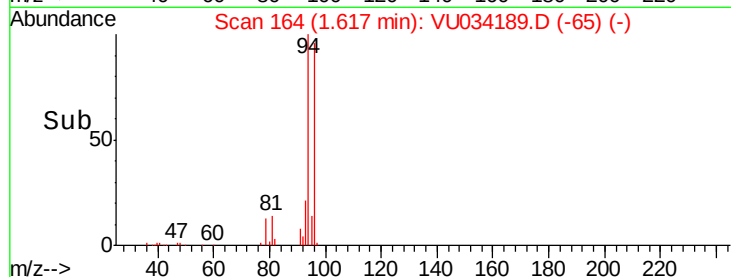
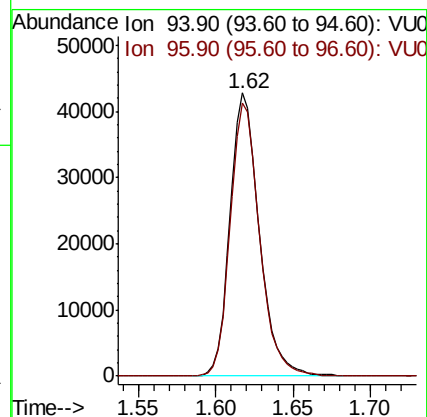
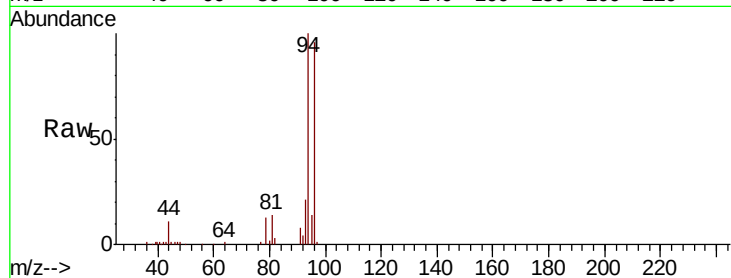
VU0903WBS01

Tgt Ion: 94 Resp: 56074

Ion Ratio Lower Upper

94 100

96 96.5 76.3 114.5



#6

Chloroethane

Concen: 18.078 ug/l

RT: 1.69 min Scan# 187

Delta R.T. 0.02 min

Lab File: VU034189.D

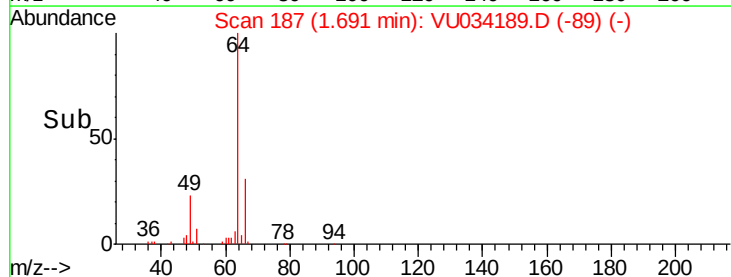
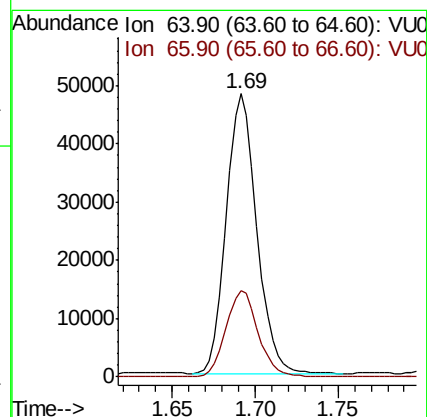
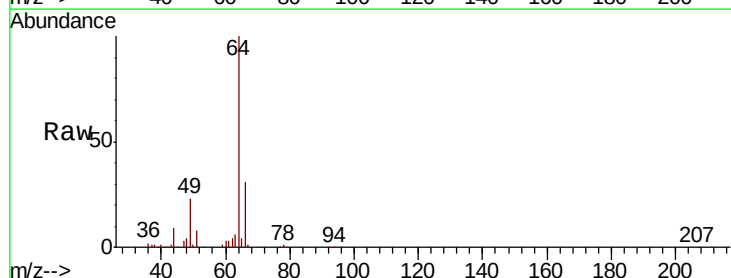
Acq: 02 Sep 2019 10:10

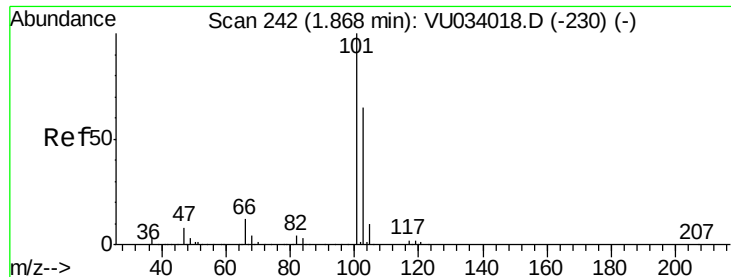
Tgt Ion: 64 Resp: 61534

Ion Ratio Lower Upper

64 100

66 31.0 25.5 38.3



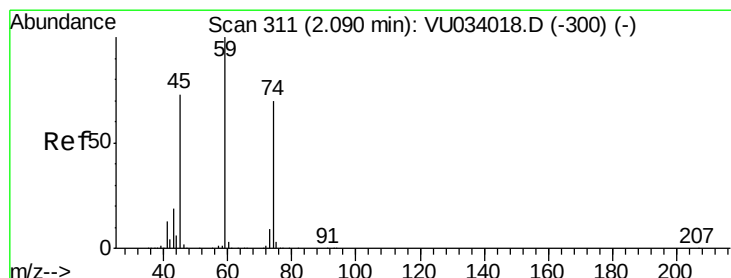
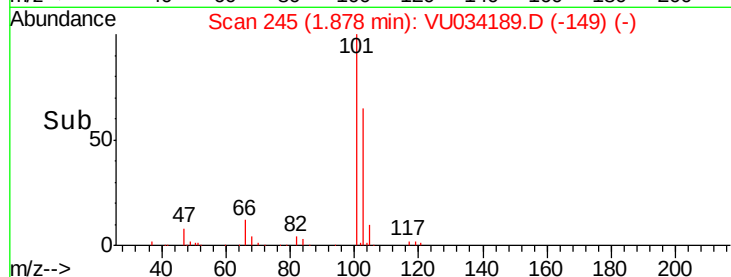
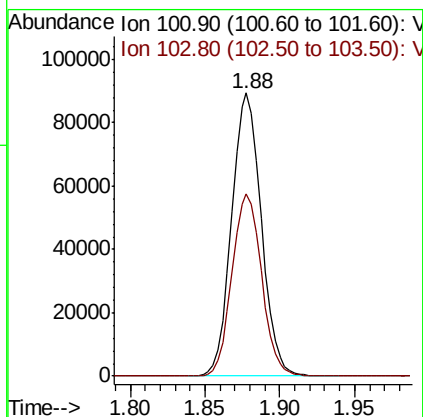
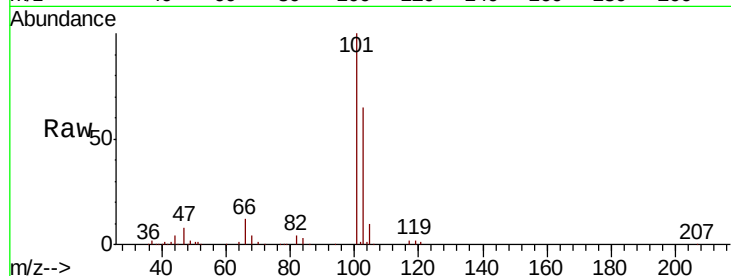


#7

Trichlorofluoromethane
 Concen: 19.114 ug/l
 RT: 1.88 min Scan# 245
 Delta R.T. 0.01 min
 Lab File: VU034189.D
 Acq: 02 Sep 2019 10:10

Instrument :
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 ClientSampleId :
 VU0903WBS01

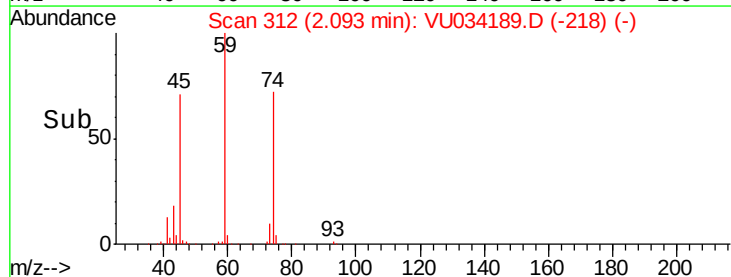
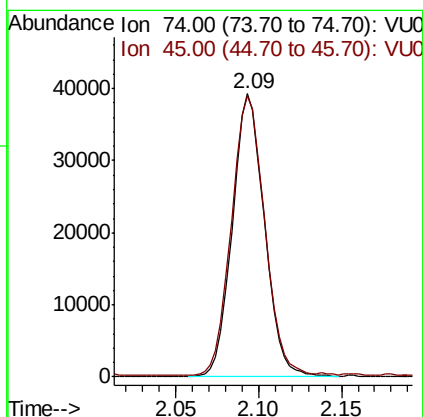
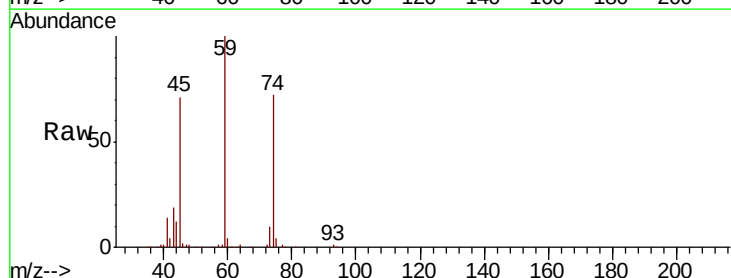
Tgt Ion:101 Resp: 123312
 Ion Ratio Lower Upper
 101 100
 103 64.6 52.1 78.1

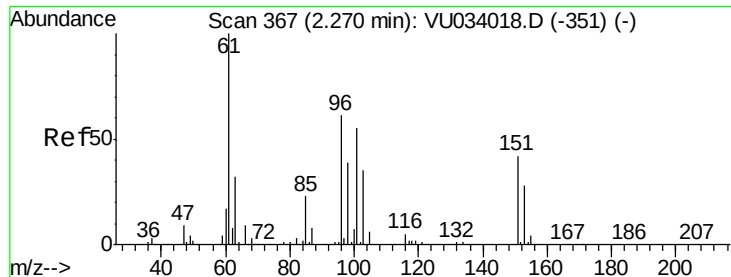


#8

Diethyl Ether
 Concen: 19.169 ug/l
 RT: 2.09 min Scan# 312
 Delta R.T. 0.00 min
 Lab File: VU034189.D
 Acq: 02 Sep 2019 10:10

Tgt Ion: 74 Resp: 52902
 Ion Ratio Lower Upper
 74 100
 45 102.3 51.8 155.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.683 ug/l

RT: 2.28 min Scan# 369

Delta R.T. 0.01 min

Lab File: VU034189.D

Acq: 02 Sep 2019 10:10

Instrument :

MSVOA_U

ClientSampleId :

VU0903WBS01

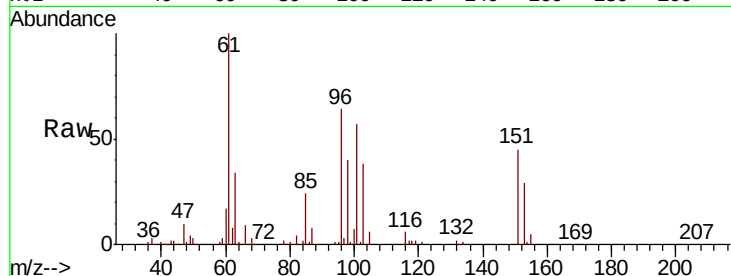
Tgt Ion:101 Resp: 80444

Ion Ratio Lower Upper

101 100

85 42.2 34.2 51.2

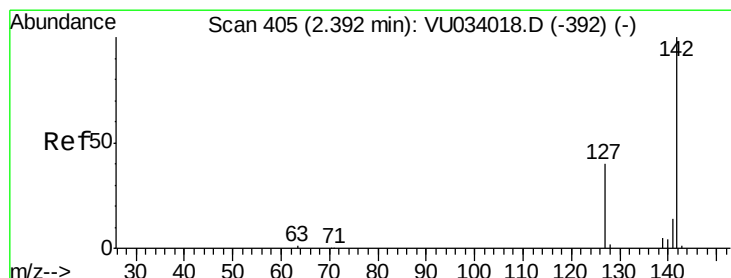
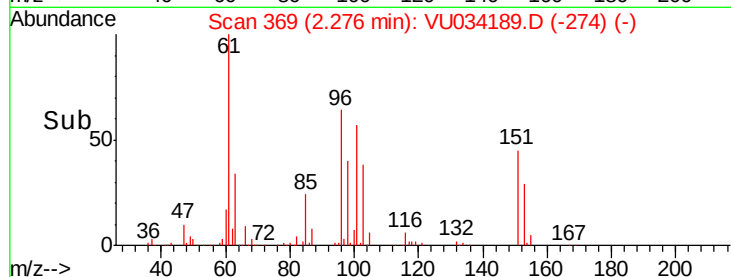
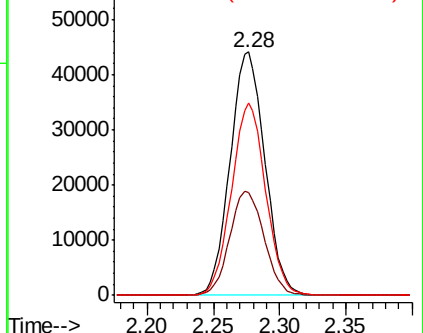
151 77.7 61.4 92.2



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: 9.902 ug/l

RT: 2.40 min Scan# 407

Delta R.T. 0.01 min

Lab File: VU034189.D

Acq: 02 Sep 2019 10:10

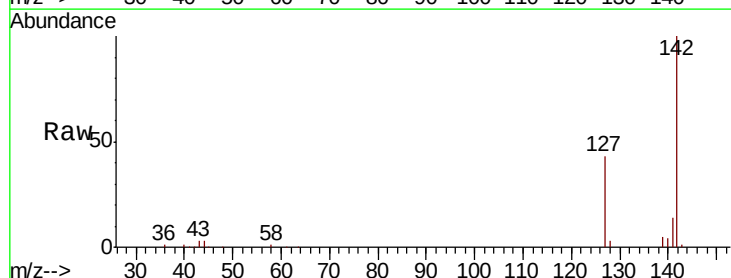
Tgt Ion:142 Resp: 57409

Ion Ratio Lower Upper

142 100

127 42.0 32.6 48.8

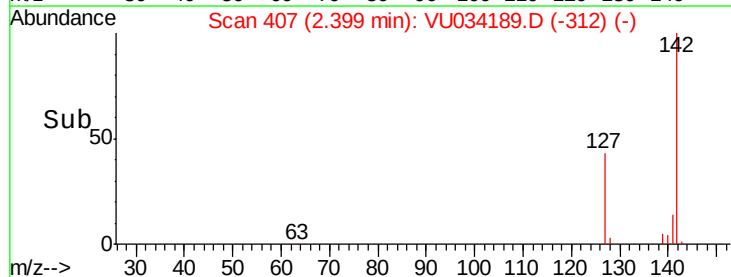
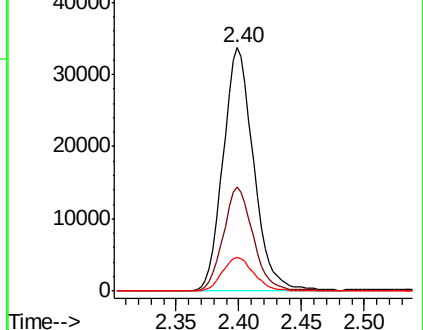
141 14.1 11.3 16.9

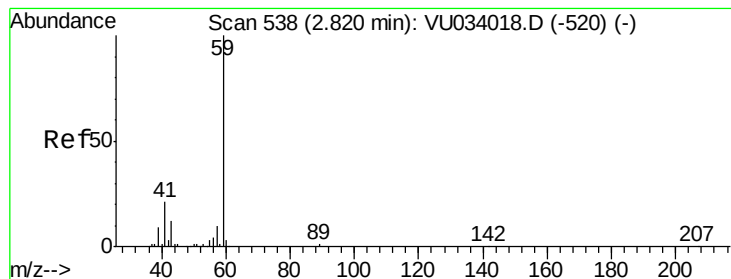


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



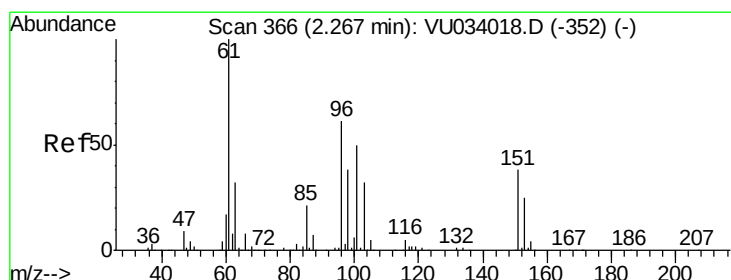
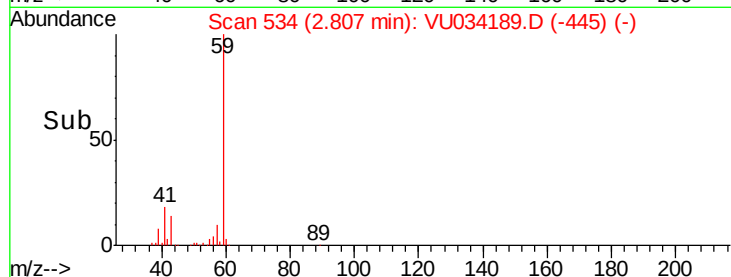
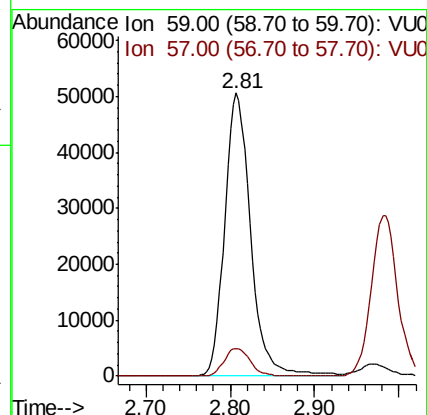
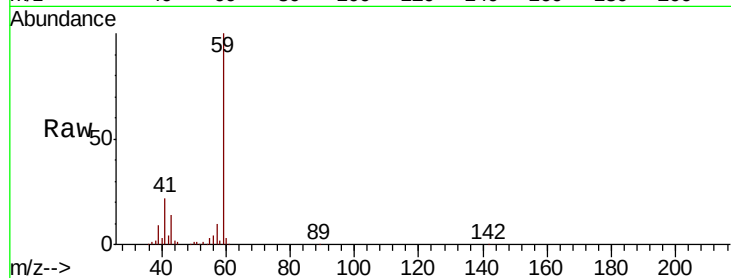


#11

Tert butyl alcohol
 Concen: 88.173 ug/l
 RT: 2.81 min Scan# 534
 Delta R.T. -0.01 min
 Lab File: VU034189.D
 Acq: 02 Sep 2019 10:10

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0903WBS01

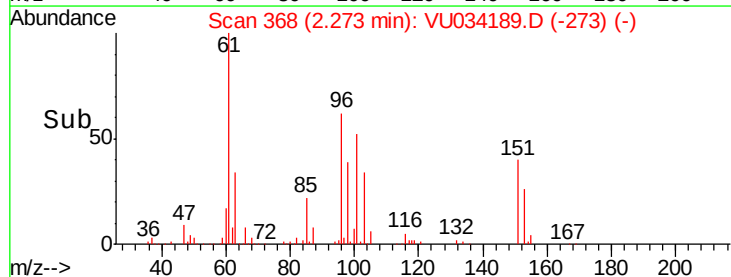
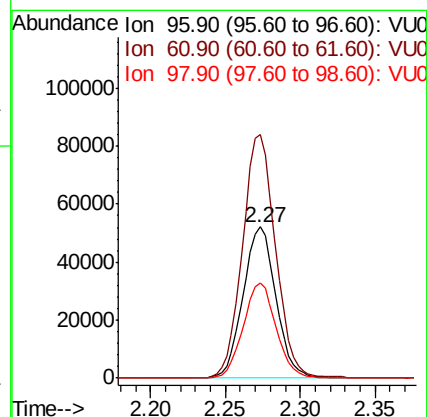
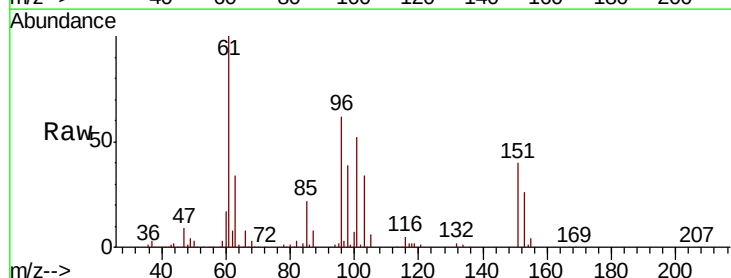
Tgt Ion: 59 Resp: 108371
 Ion Ratio Lower Upper
 59 100
 57 9.8 8.0 12.0

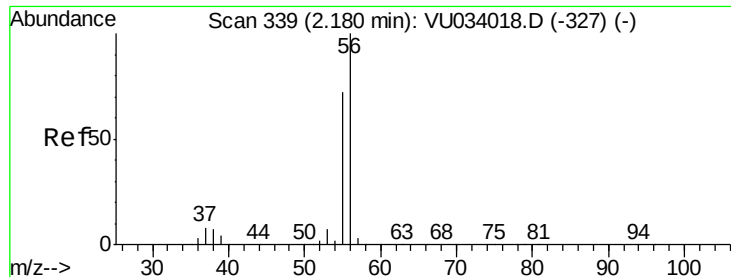


#12

1,1-Dichloroethene
 Concen: 19.137 ug/l
 RT: 2.27 min Scan# 368
 Delta R.T. 0.01 min
 Lab File: VU034189.D
 Acq: 02 Sep 2019 10:10

Tgt Ion: 96 Resp: 79688
 Ion Ratio Lower Upper
 96 100
 61 161.0 131.3 196.9
 98 63.2 50.3 75.5





#13

Acrolein

Concen: 49.816 ug/l

RT: 2.18 min Scan# 340

Delta R.T. 0.00 min

Lab File: VU034189.D

Acq: 02 Sep 2019 10:10

Instrument :

MSVOA_U

ClientSampleId :

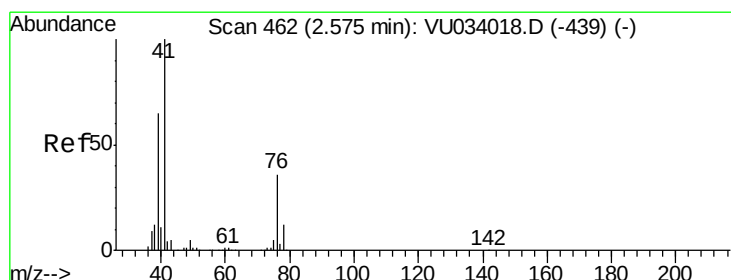
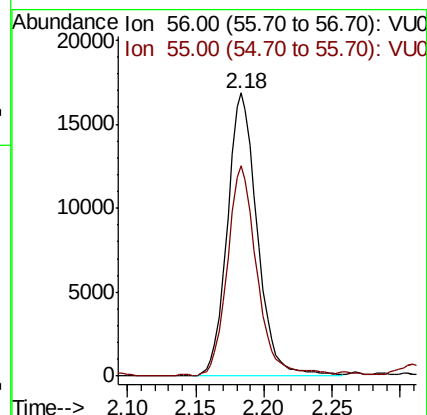
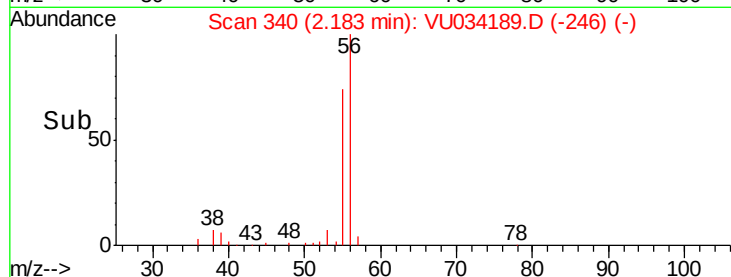
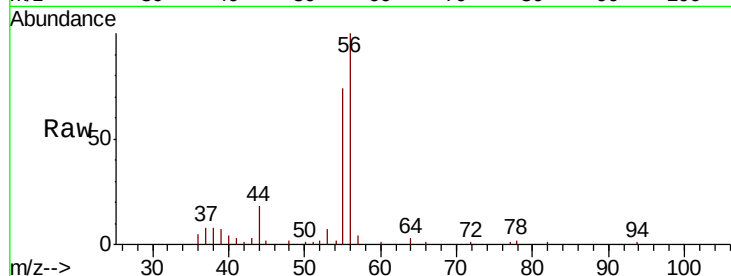
VU0903WBS01

Tgt Ion: 56 Resp: 25757

Ion Ratio Lower Upper

56 100

55 72.5 57.1 85.7



#14

Allyl chloride

Concen: 16.896 ug/l

RT: 2.58 min Scan# 463

Delta R.T. 0.00 min

Lab File: VU034189.D

Acq: 02 Sep 2019 10:10

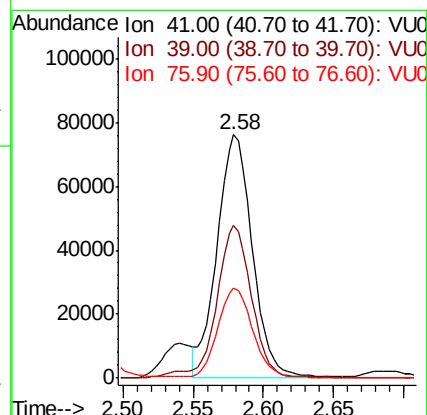
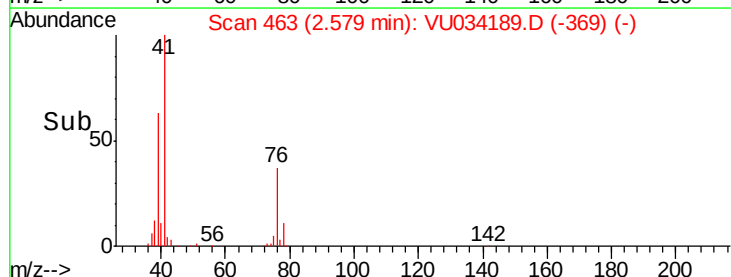
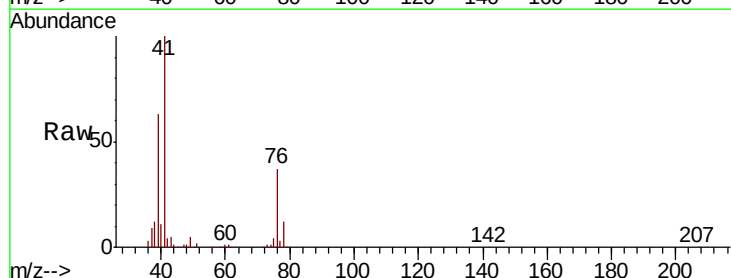
Tgt Ion: 41 Resp: 132282

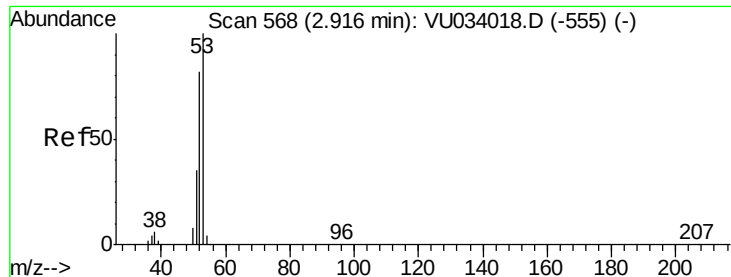
Ion Ratio Lower Upper

41 100

39 61.8 46.8 70.2

76 37.3 26.6 40.0





#15

Acrylonitrile

Concen: 98.553 ug/l

RT: 2.92 min Scan# 568

Delta R.T. -0.00 min

Lab File: VU034189.D

Acq: 02 Sep 2019 10:10

Instrument :

MSVOA_U

ClientSampleId :

VU0903WBS01

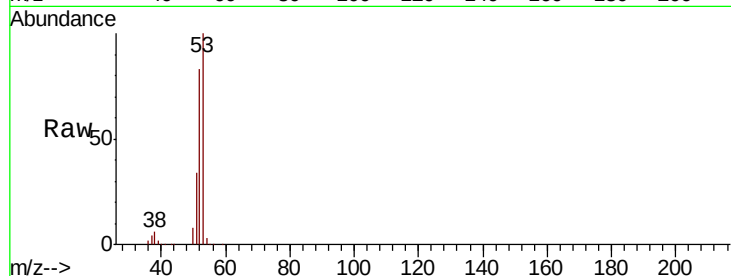
Tgt Ion: 53 Resp: 277953

Ion Ratio Lower Upper

53 100

52 81.9 65.7 98.5

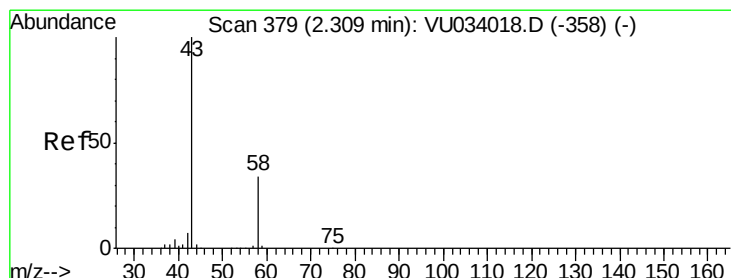
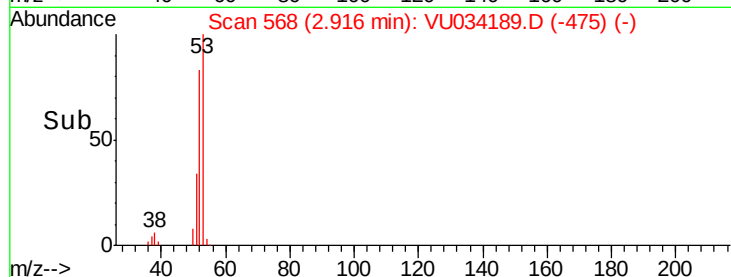
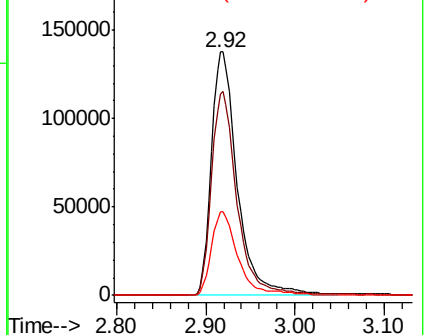
51 35.4 27.9 41.9



Abundance Ion 53.00 (52.70 to 53.70): VU034189.D (-277953)

Ion 52.00 (51.70 to 52.70): VU034189.D (-277953)

Ion 51.00 (50.70 to 51.70): VU034189.D (-277953)



#16

Acetone

Concen: 105.689 ug/l

RT: 2.31 min Scan# 379

Delta R.T. 0.00 min

Lab File: VU034189.D

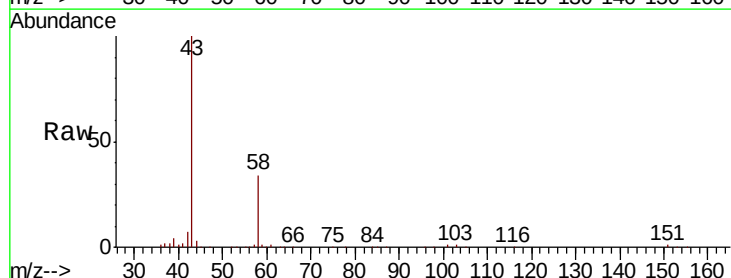
Acq: 02 Sep 2019 10:10

Tgt Ion: 43 Resp: 287419

Ion Ratio Lower Upper

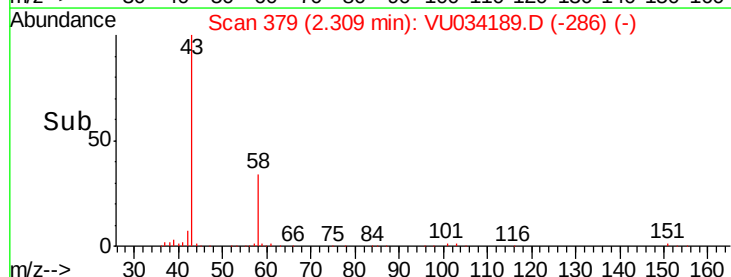
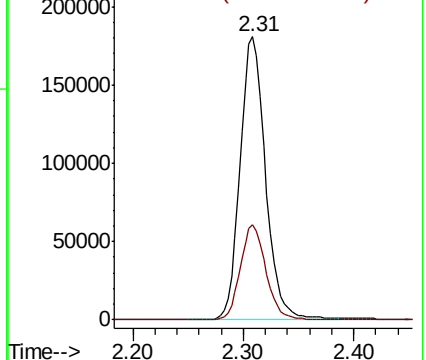
43 100

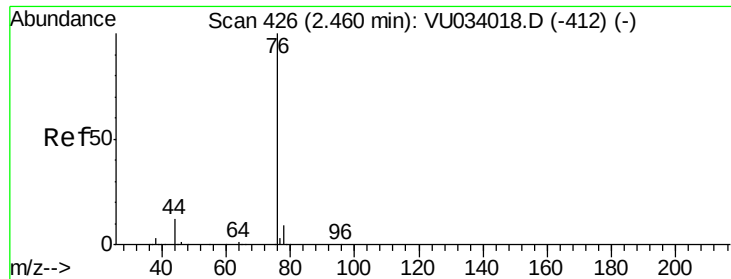
58 33.9 26.8 40.2



Abundance Ion 43.00 (42.70 to 43.70): VU034189.D (-287419)

Ion 58.00 (57.70 to 58.70): VU034189.D (-287419)

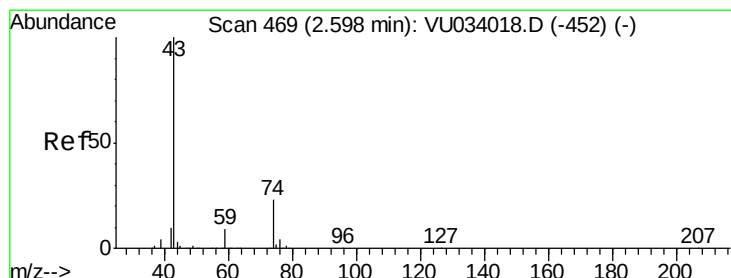
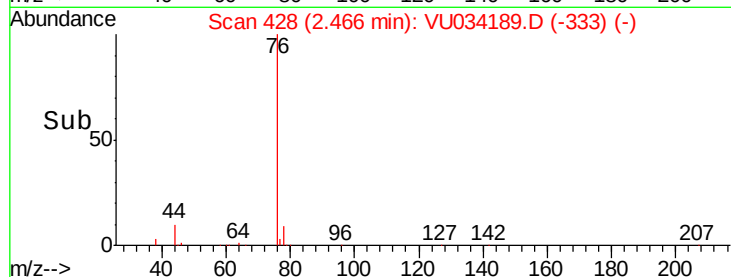
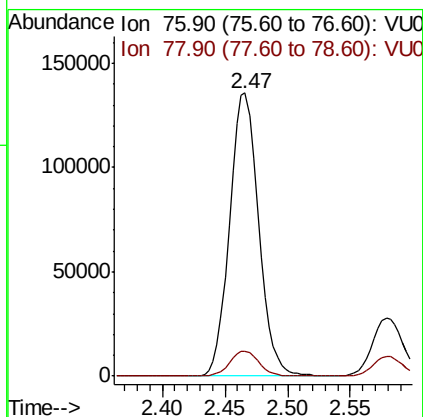
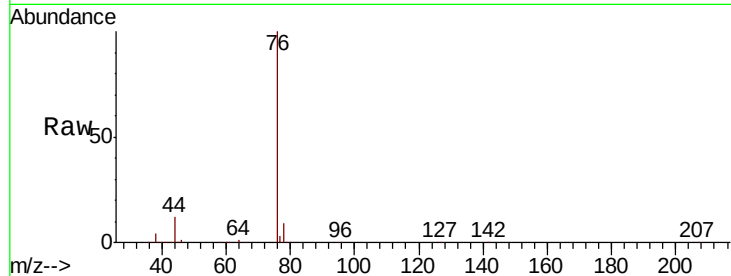




#17
Carbon Disulfide
Concen: 16.585 ug/l
RT: 2.47 min Scan# 428
Delta R.T. 0.01 min
Lab File: VU034189.D
Acq: 02 Sep 2019 10:10

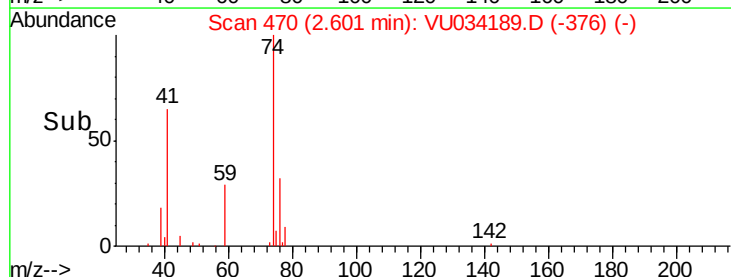
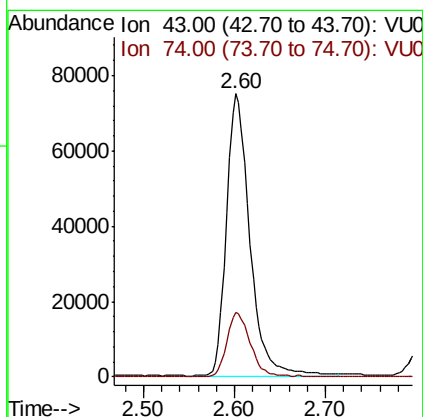
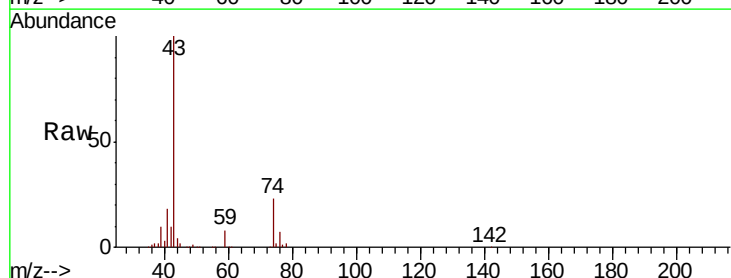
Instrument :
MSVOA_U
ClientSampleId :
VU0903WBS01

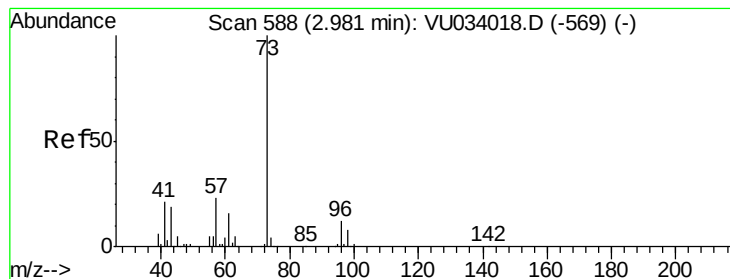
Tgt Ion: 76 Resp: 218583
Ion Ratio Lower Upper
76 100
78 9.0 7.1 10.7



#18
Methyl Acetate
Concen: 19.054 ug/l
RT: 2.60 min Scan# 470
Delta R.T. 0.00 min
Lab File: VU034189.D
Acq: 02 Sep 2019 10:10

Tgt Ion: 43 Resp: 133903
Ion Ratio Lower Upper
43 100
74 23.0 19.2 28.8





#19

Methyl tert-butyl Ether

Concen: 19.641 ug/l

RT: 2.98 min Scan# 589

Delta R.T. 0.00 min

Lab File: VU034189.D

Acq: 02 Sep 2019 10:10

Instrument :

MSVOA_U

ClientSampleId :

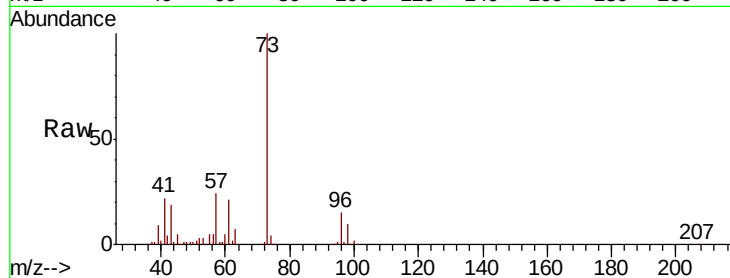
VU0903WBS01

Tgt Ion: 73 Resp: 267975

Ion Ratio Lower Upper

73 100

57 23.7 18.3 27.5



Abundance Ion 73.00 (72.70 to 73.70): VU034189.D (-569) (-)

Ion 57.00 (56.70 to 57.70): VU034189.D (-569) (-)

2.98

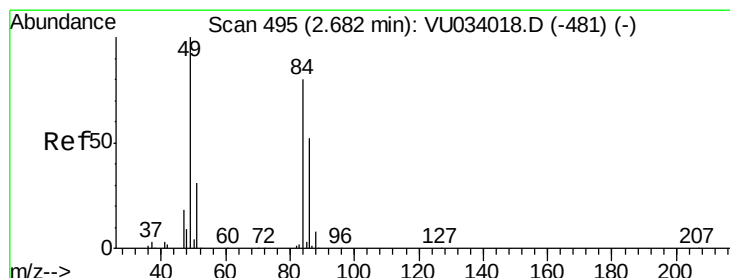
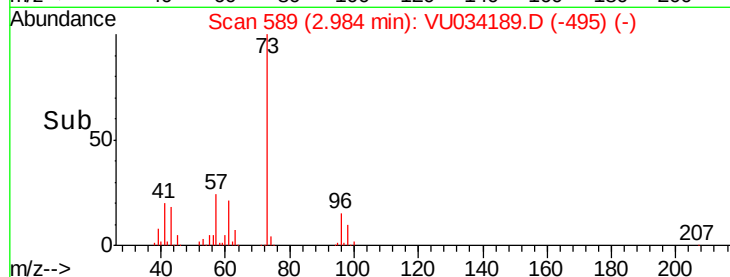
100000

50000

0

Time-->

2.90 3.00 3.10



#20

Methylene Chloride

Concen: 18.610 ug/l

RT: 2.69 min Scan# 497

Delta R.T. 0.01 min

Lab File: VU034189.D

Acq: 02 Sep 2019 10:10

Tgt Ion: 84 Resp: 95812

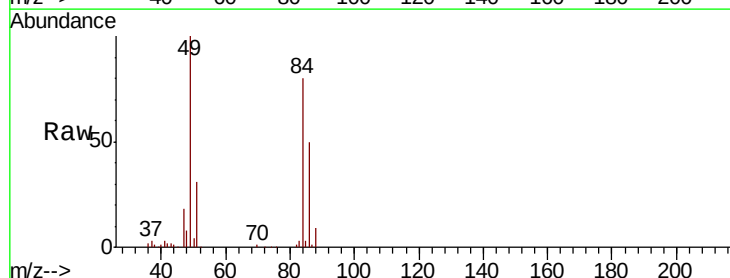
Ion Ratio Lower Upper

84 100

49 124.6 100.2 150.4

51 38.8 30.8 46.2

86 62.3 52.5 78.7



Abundance Ion 83.90 (83.60 to 84.60): VU034189.D (-402) (-)

Ion 48.90 (48.60 to 49.60): VU034189.D (-402) (-)

Ion 50.90 (50.60 to 51.60): VU034189.D (-402) (-)

Ion 85.90 (85.60 to 86.60): VU034189.D (-402) (-)

2.69

100000

80000

60000

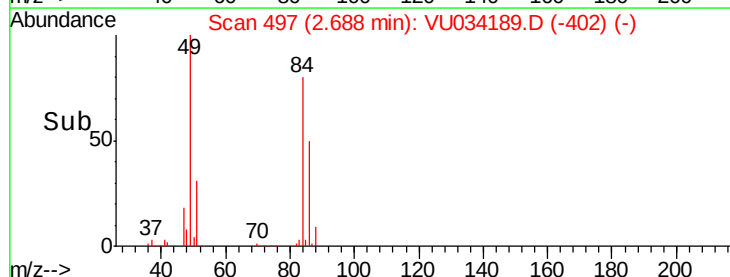
40000

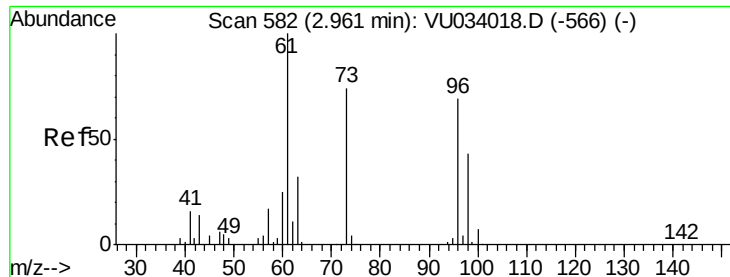
20000

0

Time-->

2.60 2.70 2.80





#21

trans-1,2-Dichloroethene

Concen: 18.528 ug/l

RT: 2.97 min Scan# 584

Delta R.T. 0.01 min

Lab File: VU034189.D

Acq: 02 Sep 2019 10:10

Instrument :

MSVOA_U

ClientSampleId :

VU0903WBS01

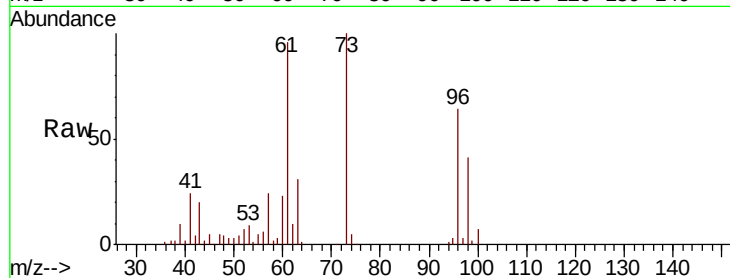
Tgt Ion: 96 Resp: 83735

Ion Ratio Lower Upper

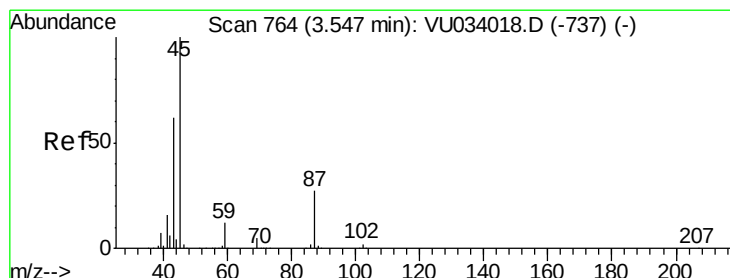
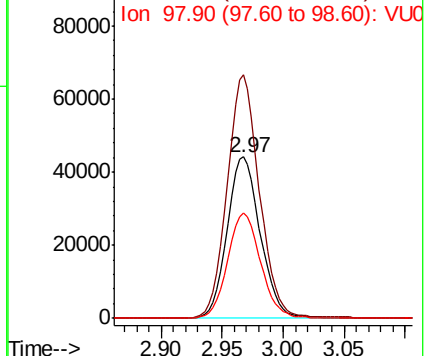
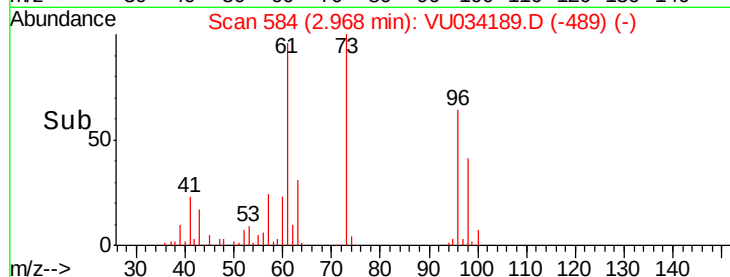
96 100

61 150.8 115.5 173.3

98 65.1 50.1 75.1



Abundance Ion 95.90 (95.60 to 96.60): VU034189.D (-489) (-)



#22

Diisopropyl ether

Concen: 20.099 ug/l

RT: 3.55 min Scan# 765

Delta R.T. 0.00 min

Lab File: VU034189.D

Acq: 02 Sep 2019 10:10

Tgt Ion: 45 Resp: 288345

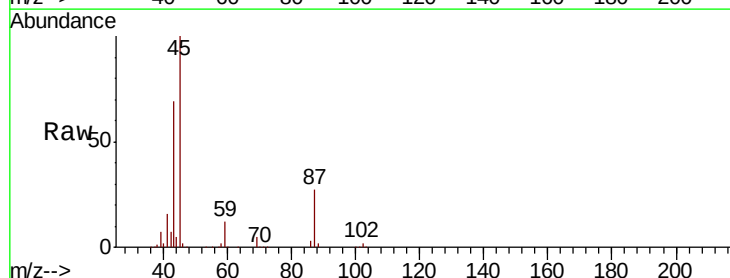
Ion Ratio Lower Upper

45 100

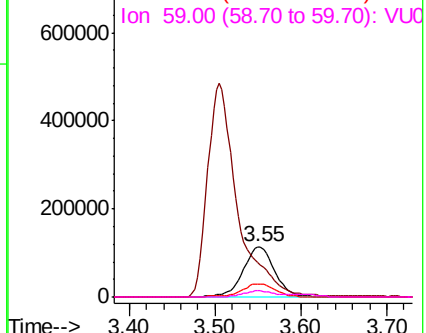
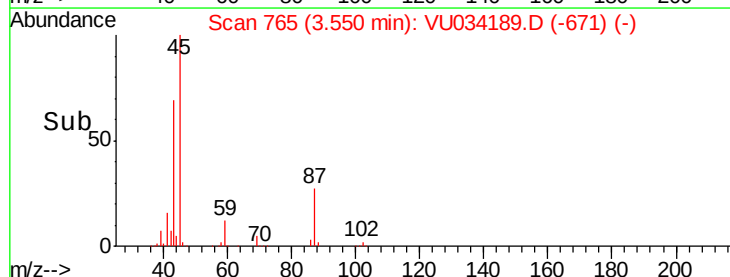
43 67.8 49.7 74.5

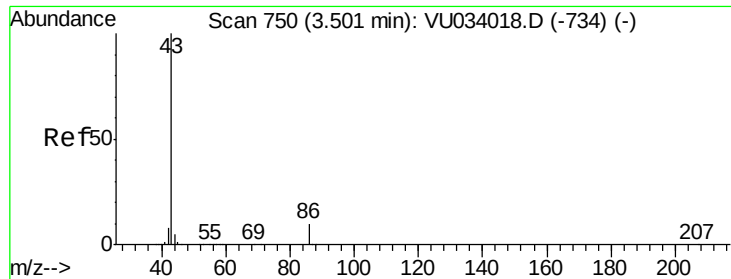
87 27.0 21.8 32.8

59 12.0 9.3 13.9



Abundance Ion 45.00 (44.70 to 45.70): VU034189.D (-671) (-)





#23

Vinyl Acetate

Concen: 96.652 ug/l

RT: 3.50 min Scan# 751

Delta R.T. 0.00 min

Lab File: VU034189.D

Acq: 02 Sep 2019 10:10

Instrument :

MSVOA_U

ClientSampleId :

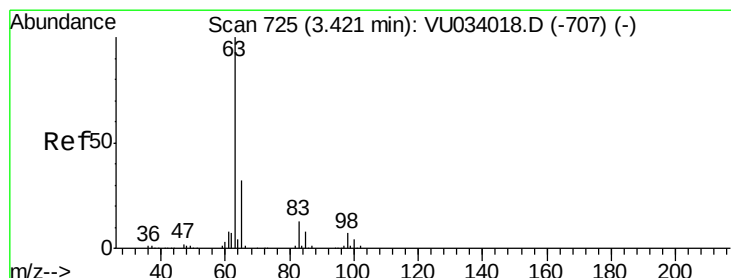
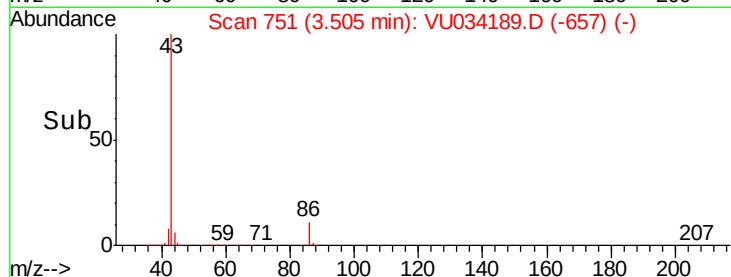
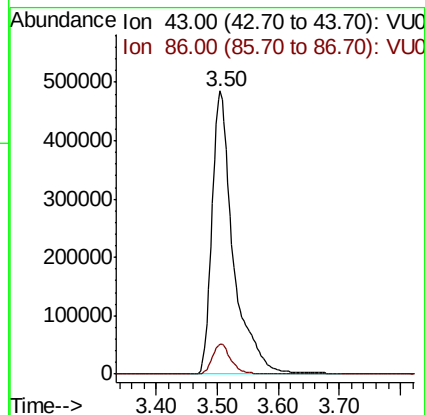
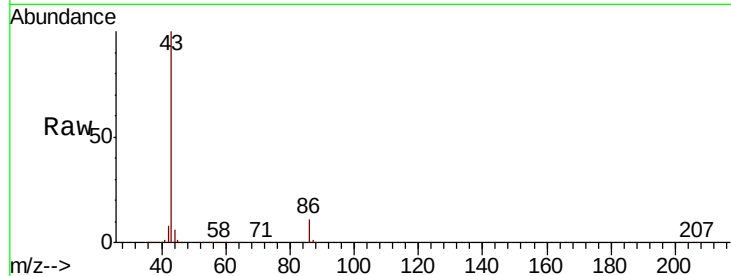
VU0903WBS01

Tgt Ion: 43 Resp: 1191142

Ion Ratio Lower Upper

43 100

86 10.7 8.3 12.5



#24

1,1-Dichloroethane

Concen: 19.620 ug/l

RT: 3.42 min Scan# 726

Delta R.T. 0.00 min

Lab File: VU034189.D

Acq: 02 Sep 2019 10:10

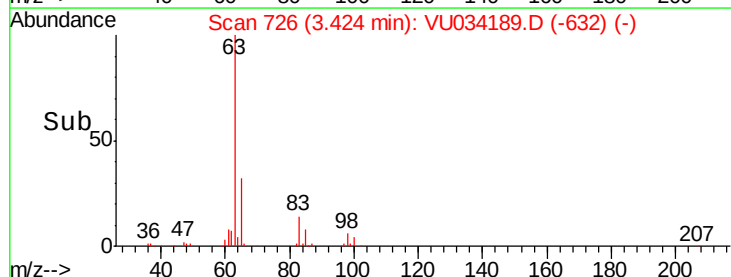
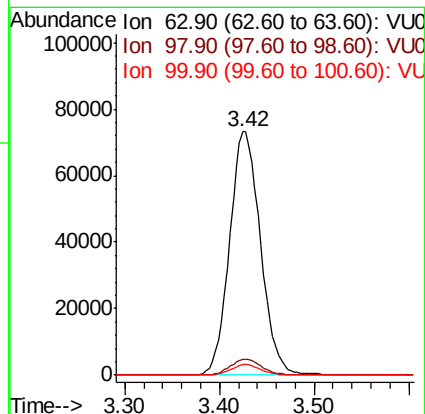
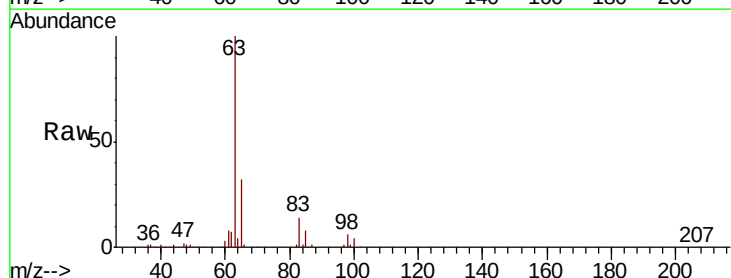
Tgt Ion: 63 Resp: 166181

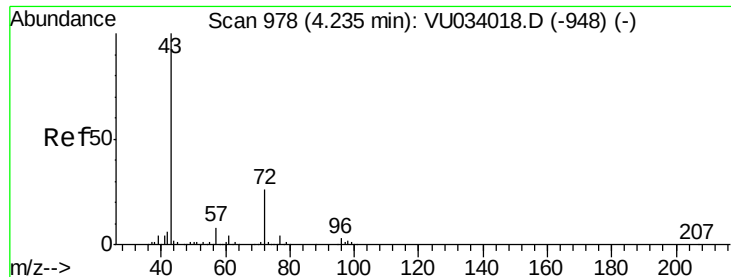
Ion Ratio Lower Upper

63 100

98 6.3 3.3 9.8

100 4.2 2.0 6.0





#25

2-Butanone

Concen: 100.386 ug/l

RT: 4.24 min Scan# 979

Delta R.T. 0.00 min

Lab File: VU034189.D

Acq: 02 Sep 2019 10:10

Instrument :

MSVOA_U

ClientSampleId :

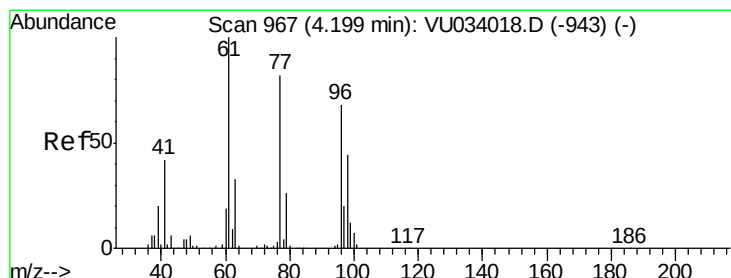
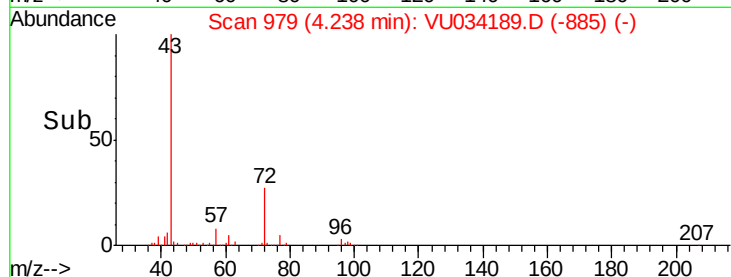
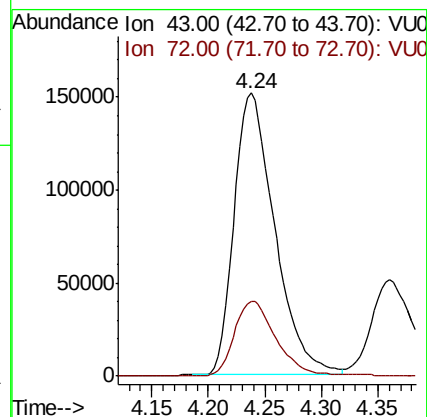
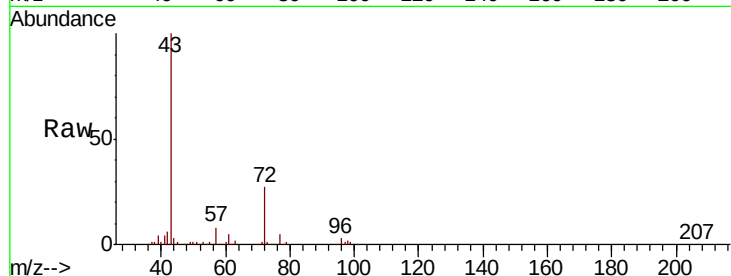
VU0903WBS01

Tgt Ion: 43 Resp: 379814

Ion Ratio Lower Upper

43 100

72 26.5 21.2 31.8



#26

2,2-Dichloropropane

Concen: 19.584 ug/l

RT: 4.20 min Scan# 968

Delta R.T. 0.00 min

Lab File: VU034189.D

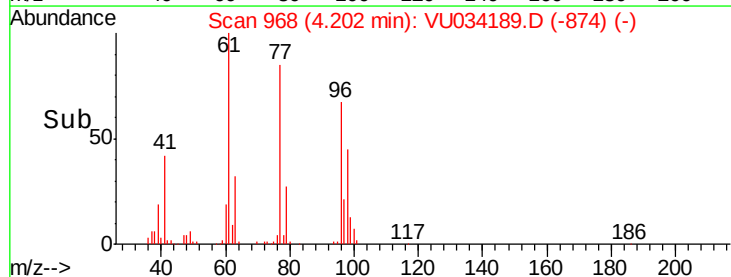
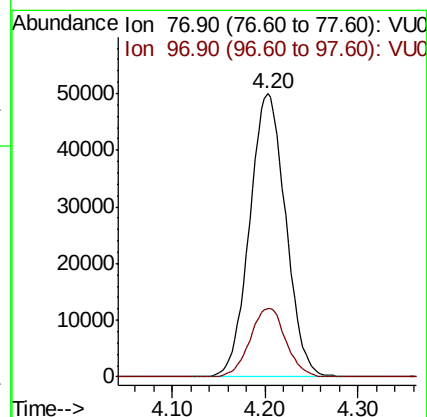
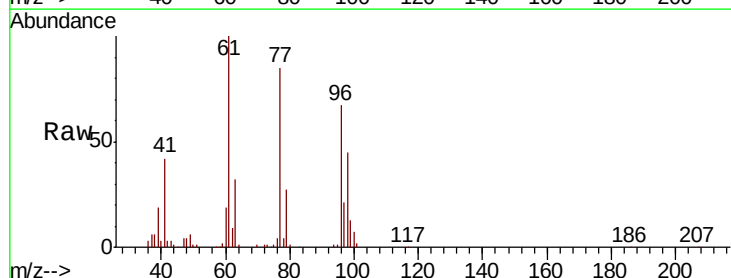
Acq: 02 Sep 2019 10:10

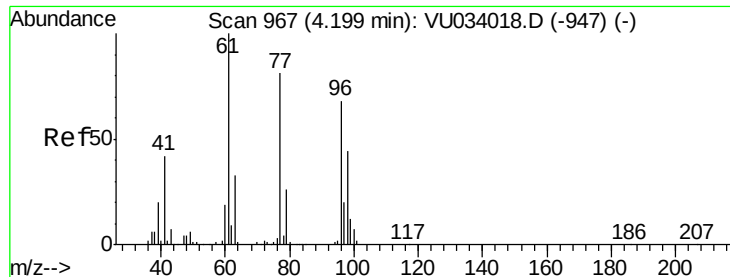
Tgt Ion: 77 Resp: 134976

Ion Ratio Lower Upper

77 100

97 23.9 11.6 34.7



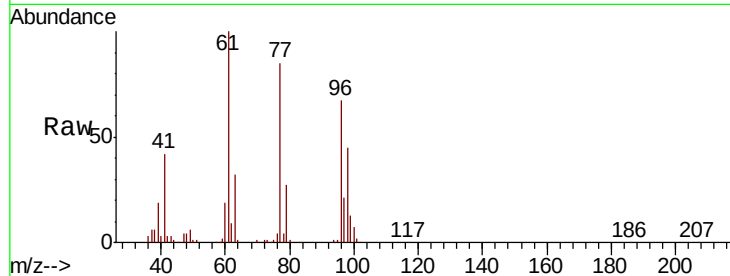


#27

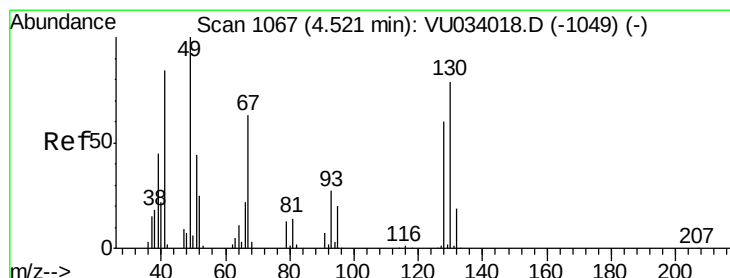
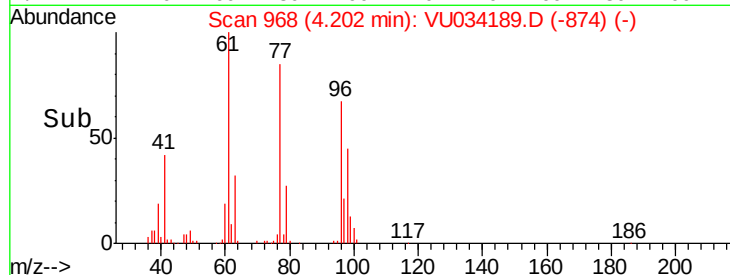
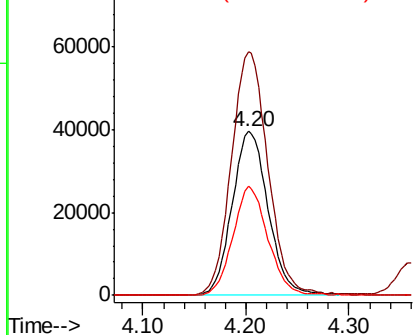
cis-1,2-Dichloroethene
 Concen: 19.043 ug/l
 RT: 4.20 min Scan# 968
 Delta R.T. 0.00 min
 Lab File: VU034189.D
 Acq: 02 Sep 2019 10:10

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0903WBS01

Tgt Ion: 96 Resp: 96598
 Ion Ratio Lower Upper
 96 100
 61 150.2 0.0 303.0
 98 64.3 0.0 129.2



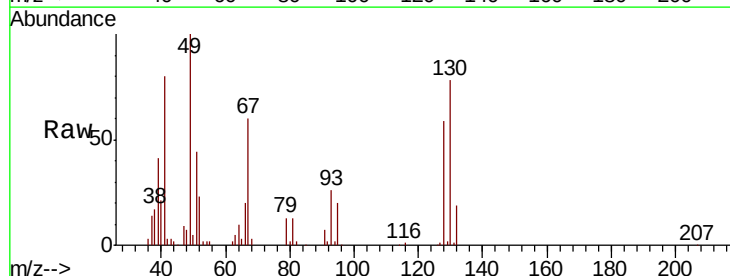
Abundance Ion 95.90 (95.60 to 96.60): VU0
 Ion 60.90 (60.60 to 61.60): VU0
 Ion 97.90 (97.60 to 98.60): VU0



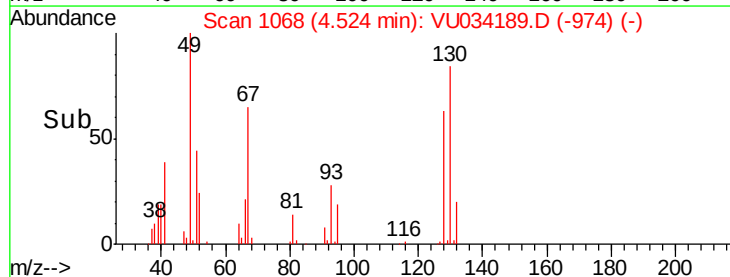
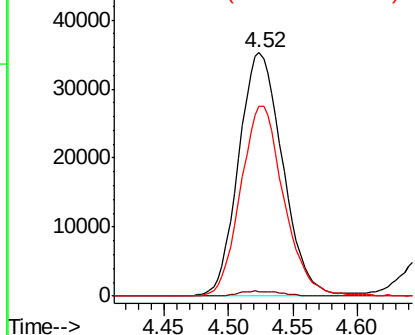
#28

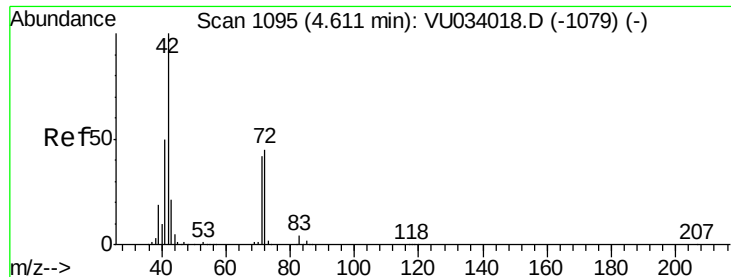
Bromochloromethane
 Concen: 20.047 ug/l
 RT: 4.52 min Scan# 1068
 Delta R.T. 0.00 min
 Lab File: VU034189.D
 Acq: 02 Sep 2019 10:10

Tgt Ion: 49 Resp: 83654
 Ion Ratio Lower Upper
 49 100
 129 1.9 0.0 3.6
 130 77.0 62.8 94.2



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

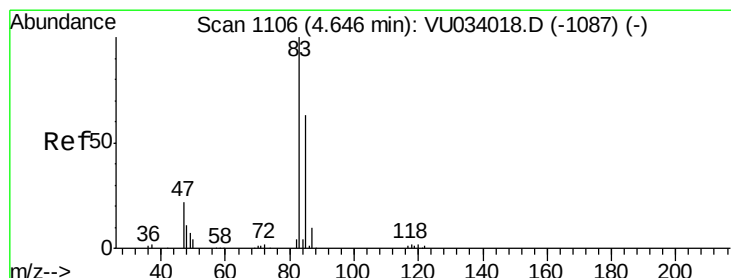
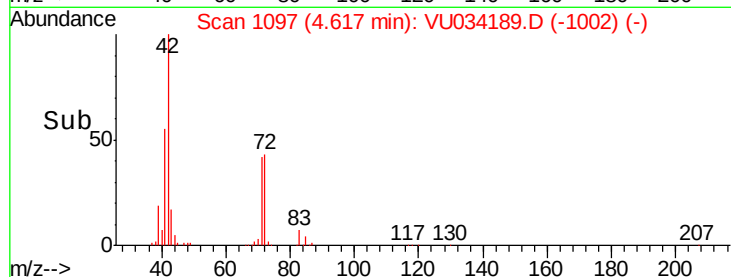
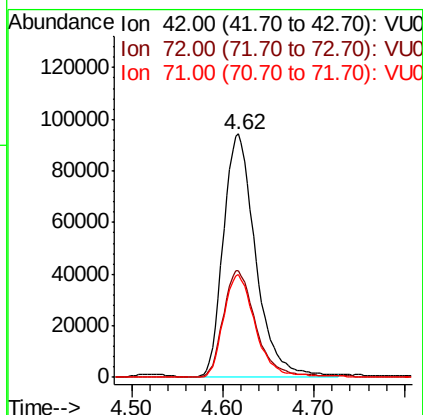
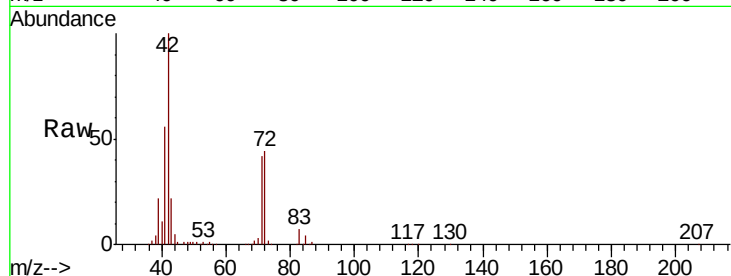




#29
Tetrahydrofuran
Concen: 99.108 ug/l
RT: 4.62 min Scan# 1097
Delta R.T. 0.01 min
Lab File: VU034189.D
Acq: 02 Sep 2019 10:10

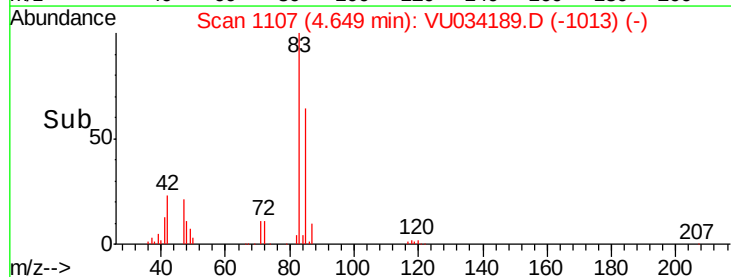
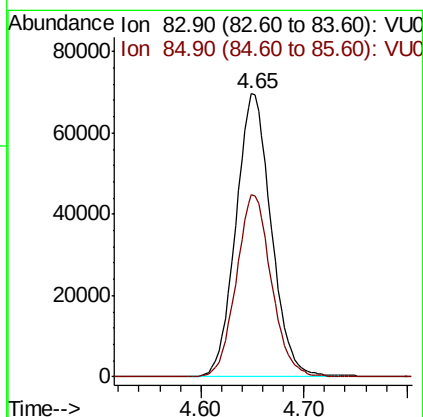
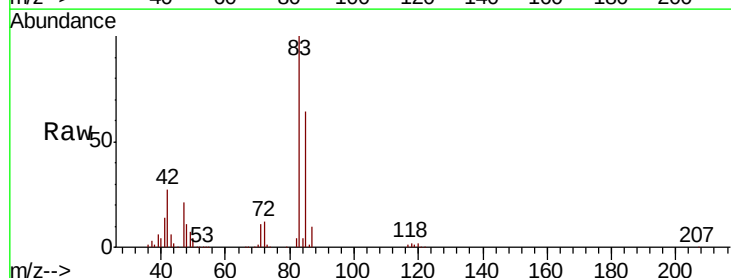
Instrument :
MSVOA_U
ClientSampleId :
VU0903WBS01

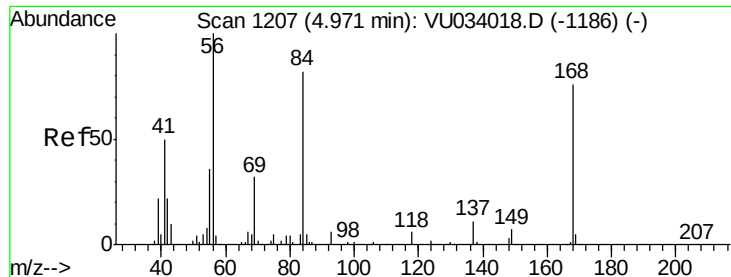
Tgt Ion: 42 Resp: 231249
Ion Ratio Lower Upper
42 100
72 44.6 35.8 53.6
71 41.7 34.0 51.0



#30
Chloroform
Concen: 19.641 ug/l
RT: 4.65 min Scan# 1107
Delta R.T. 0.00 min
Lab File: VU034189.D
Acq: 02 Sep 2019 10:10

Tgt Ion: 83 Resp: 165981
Ion Ratio Lower Upper
83 100
85 64.1 50.7 76.1

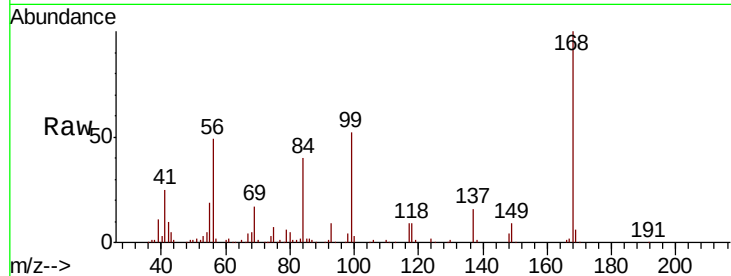




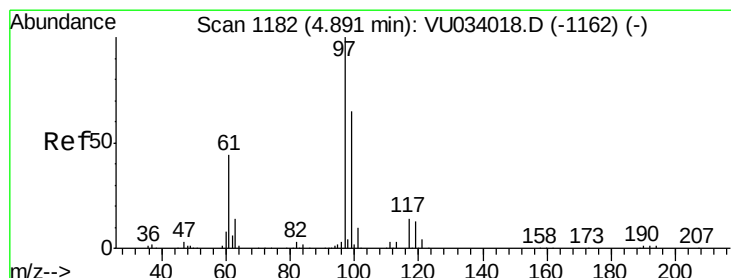
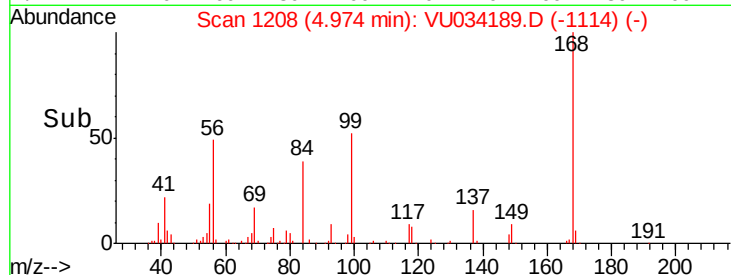
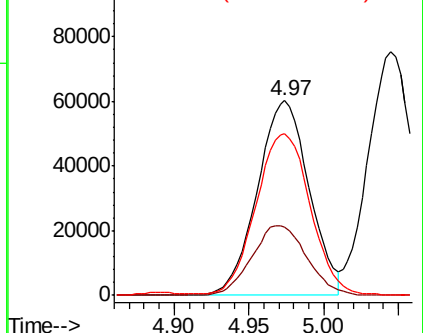
#31
Cyclohexane
Concen: 18.177 ug/l
RT: 4.97 min Scan# 1208
Delta R.T. 0.00 min
Lab File: VU034189.D
Acq: 02 Sep 2019 10:10

Instrument :
MSVOA_U
ClientSampleId :
VU0903WBS01

Tgt Ion: 56 Resp: 144670
Ion Ratio Lower Upper
56 100
69 34.8 25.4 38.0
84 82.0 65.8 98.8

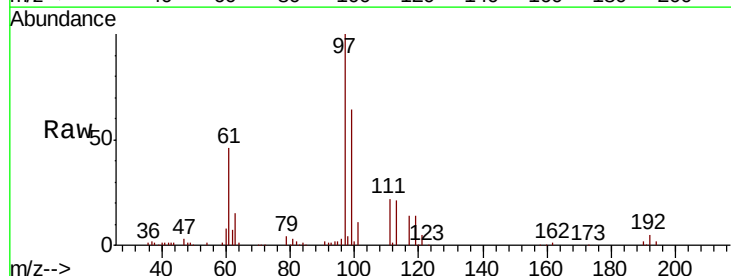


Abundance Ion 56.00 (55.70 to 56.70): VU0
Ion 69.00 (68.70 to 69.70): VU0
Ion 84.00 (83.70 to 84.70): VU0

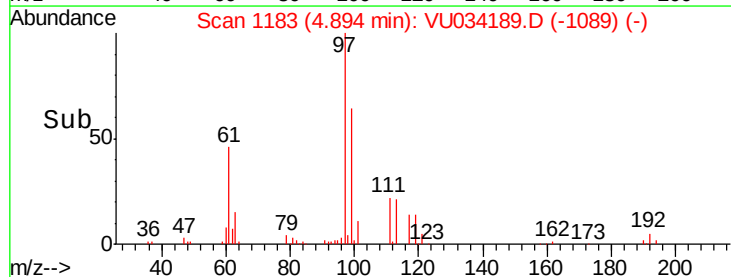
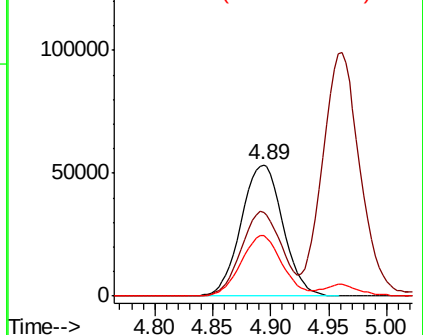


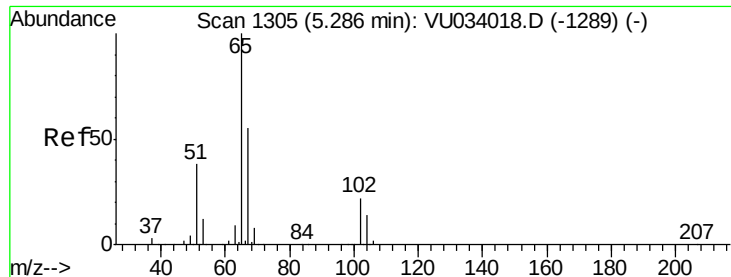
#32
1,1,1-Trichloroethane
Concen: 19.349 ug/l
RT: 4.89 min Scan# 1183
Delta R.T. 0.00 min
Lab File: VU034189.D
Acq: 02 Sep 2019 10:10

Tgt Ion: 97 Resp: 133920
Ion Ratio Lower Upper
97 100
99 62.5 51.8 77.6
61 45.2 35.3 52.9



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

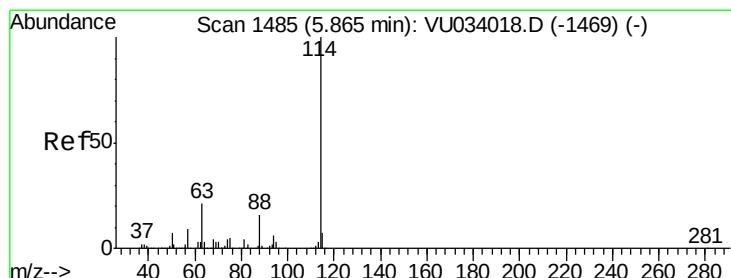
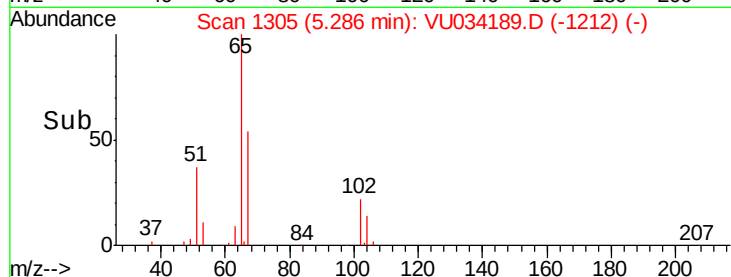
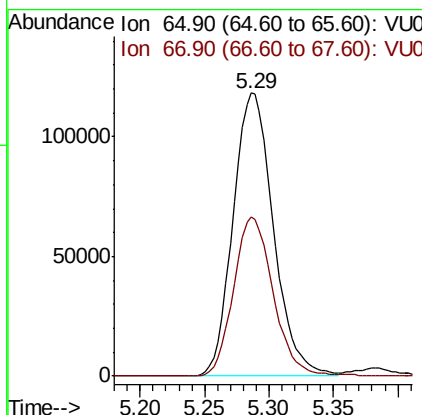
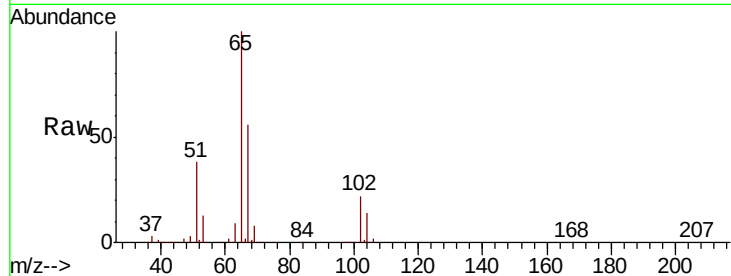




#33
 1,2-Dichloroethane-d4
 Concen: 48.379 ug/l
 RT: 5.29 min Scan# 1305
 Delta R.T. -0.00 min
 Lab File: VU034189.D
 Acq: 02 Sep 2019 10:10

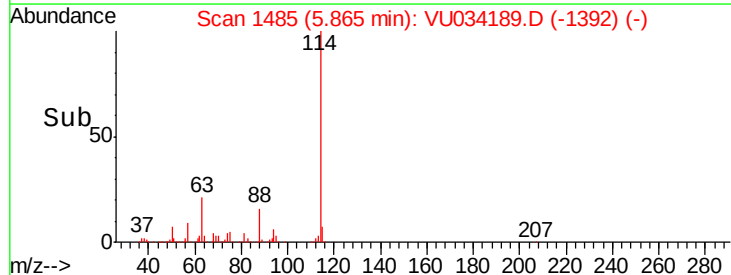
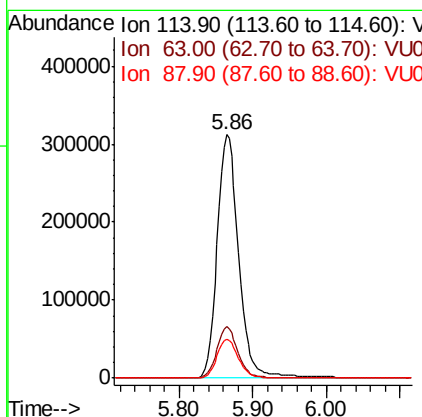
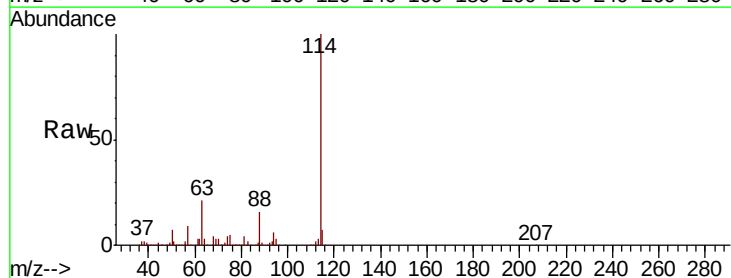
Instrument :
 MSVOA_U
 ClientSampleId :
 VU0903WBS01

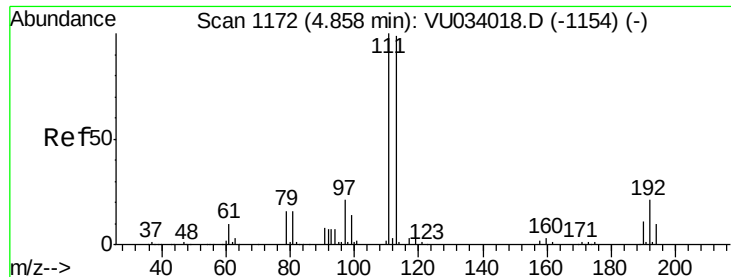
Tgt Ion: 65 Resp: 257850
 Ion Ratio Lower Upper
 65 100
 67 55.4 0.0 110.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.86 min Scan# 1485
 Delta R.T. -0.00 min
 Lab File: VU034189.D
 Acq: 02 Sep 2019 10:10

Tgt Ion: 114 Resp: 633225
 Ion Ratio Lower Upper
 114 100
 63 21.0 0.0 42.0
 88 15.8 0.0 32.0





#35

Dibromofluoromethane

Concen: 50.040 ug/l

RT: 4.86 min Scan# 1172

Delta R.T. 0.00 min

Lab File: VU034189.D

Acq: 02 Sep 2019 10:10

Instrument :

MSVOA_U

ClientSampleId :

VU0903WBS01

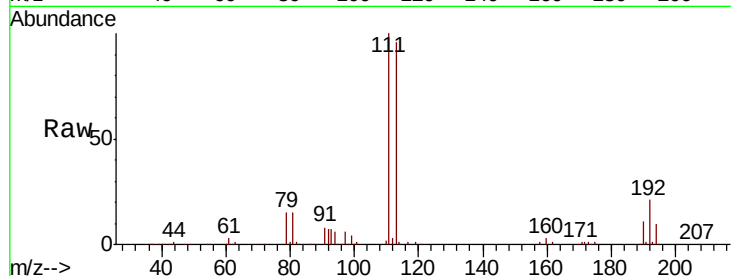
Tgt Ion: 113 Resp: 219776

Ion Ratio Lower Upper

113 100

111 102.5 81.7 122.5

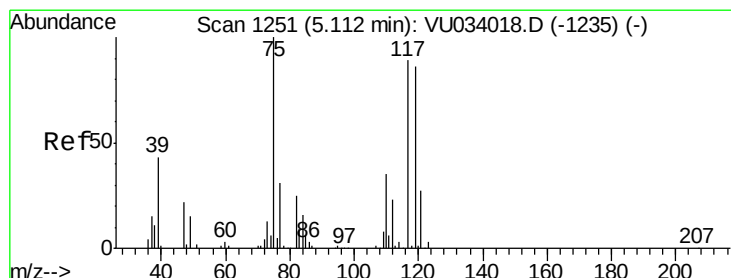
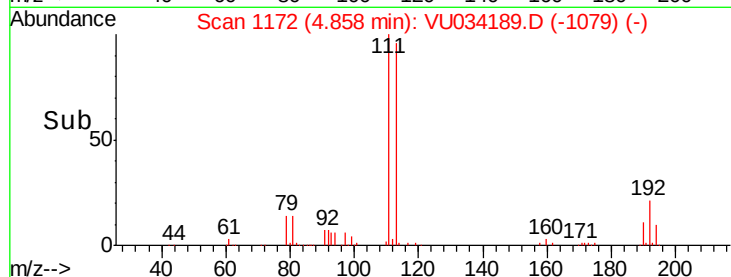
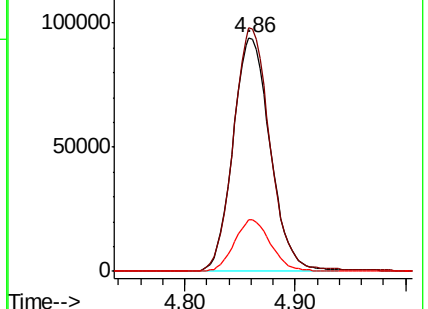
192 21.6 17.1 25.7



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 19.462 ug/l

RT: 5.12 min Scan# 1252

Delta R.T. 0.00 min

Lab File: VU034189.D

Acq: 02 Sep 2019 10:10

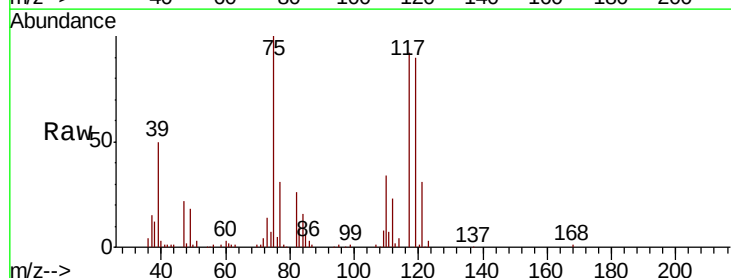
Tgt Ion: 75 Resp: 116565

Ion Ratio Lower Upper

75 100

110 34.8 17.8 53.5

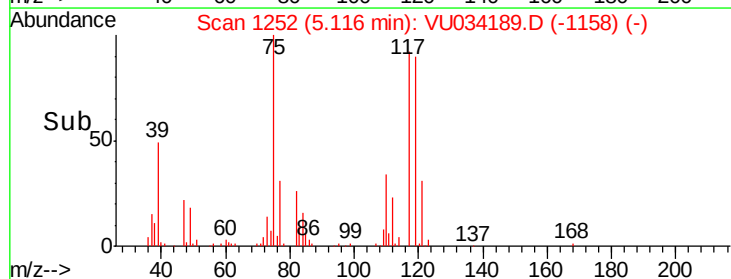
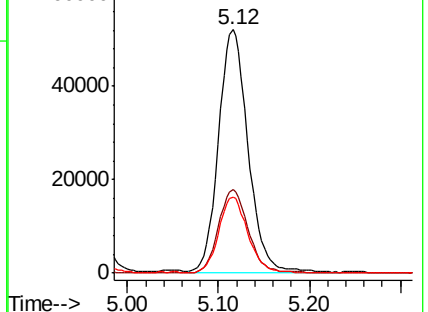
77 30.2 25.0 37.4

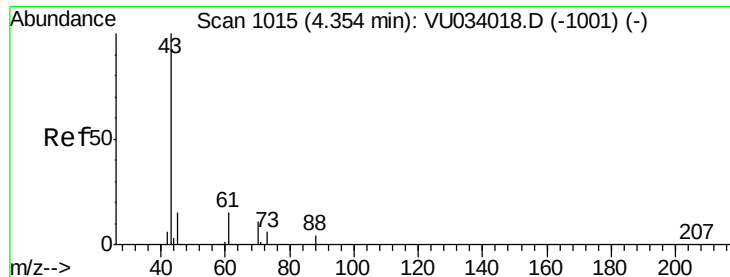


Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VU0

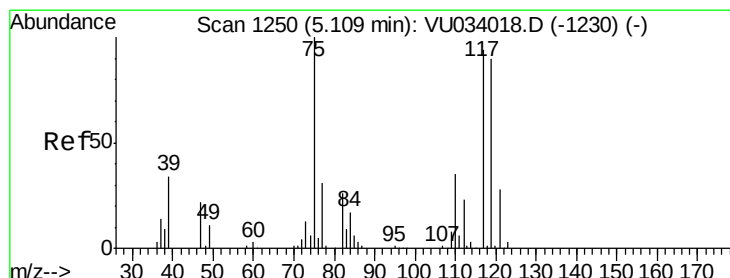
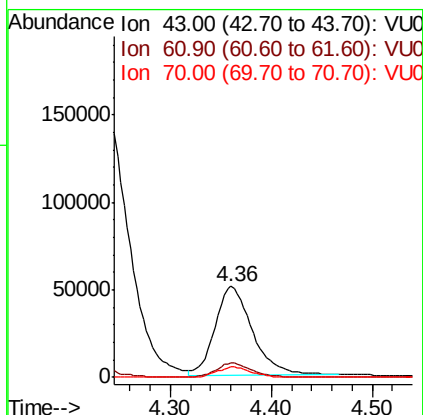
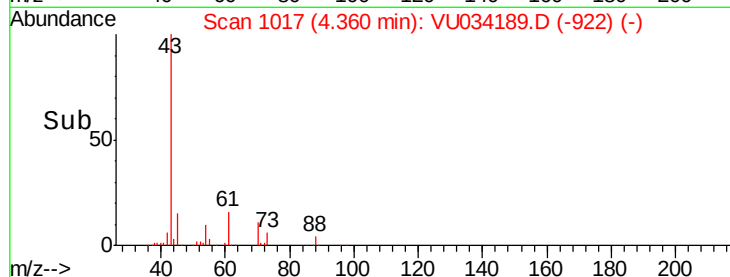
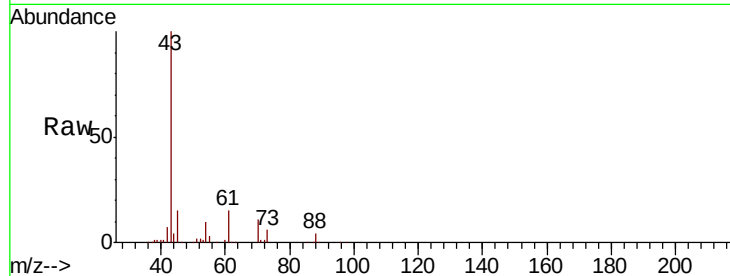




#37
 Ethyl Acetate
 Concen: 19.579 ug/l
 RT: 4.36 min Scan# 1017
 Delta R.T. 0.01 min
 Lab File: VU034189.D
 Acq: 02 Sep 2019 10:10

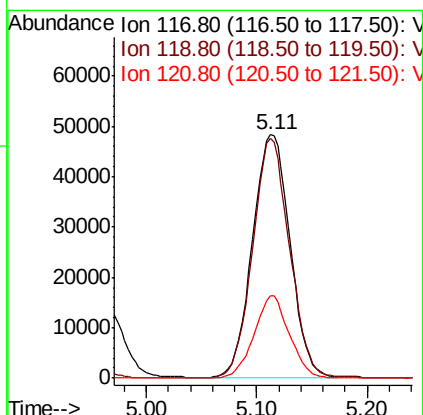
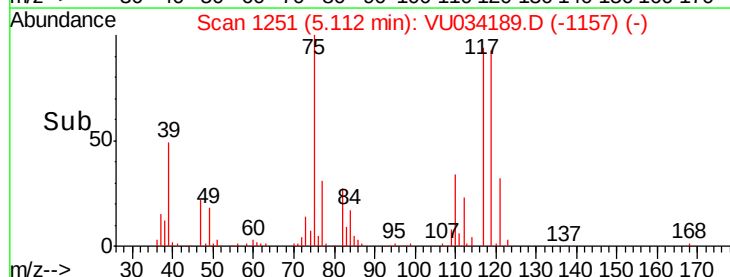
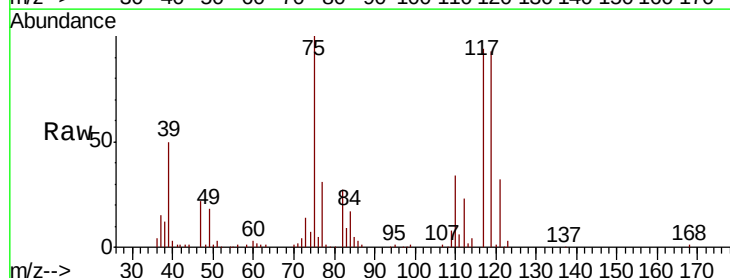
Instrument :
 MSVOA_U
 ClientSampleId :
 VU0903WBS01

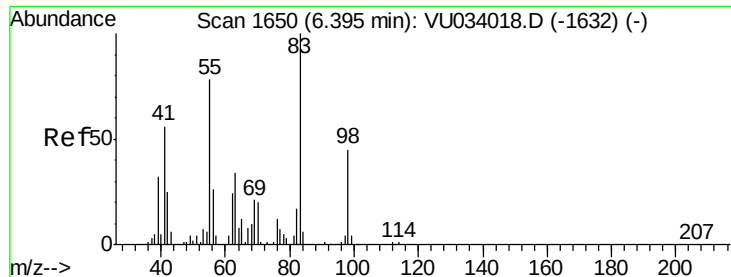
Tgt Ion: 43 Resp: 131322
 Ion Ratio Lower Upper
 43 100
 61 14.0 11.5 17.3
 70 11.1 8.6 12.8



#38
 Carbon Tetrachloride
 Concen: 19.644 ug/l
 RT: 5.11 min Scan# 1251
 Delta R.T. 0.00 min
 Lab File: VU034189.D
 Acq: 02 Sep 2019 10:10

Tgt Ion: 117 Resp: 113570
 Ion Ratio Lower Upper
 117 100
 119 98.9 77.0 115.4
 121 33.7 23.9 35.9

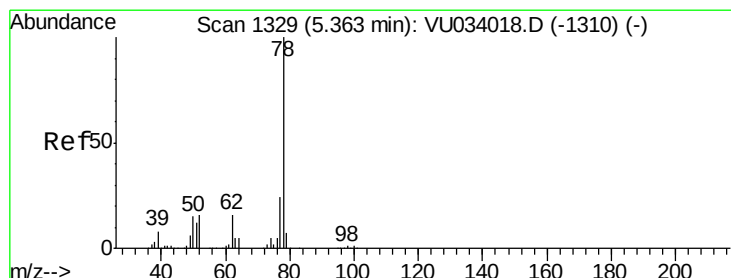
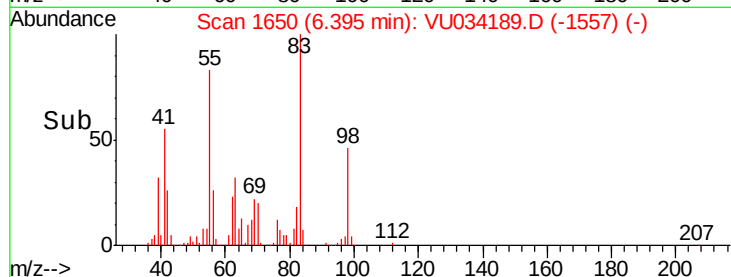
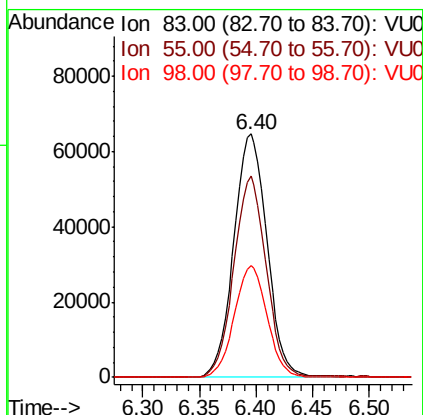
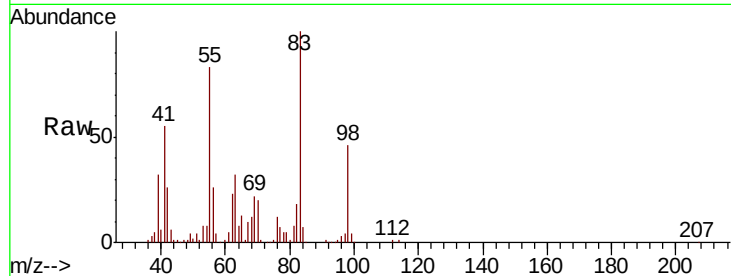




#39
Methylcyclohexane
Concen: 18.791 ug/l
RT: 6.40 min Scan# 1650
Delta R.T. 0.00 min
Lab File: VU034189.D
Acq: 02 Sep 2019 10:10

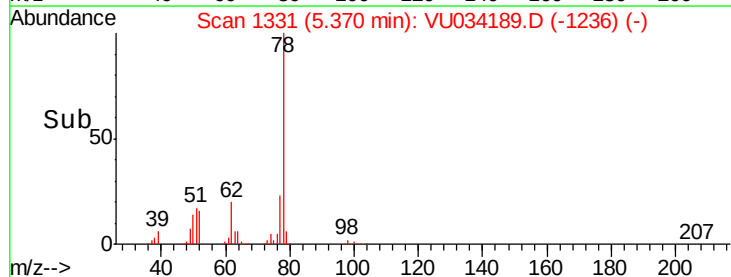
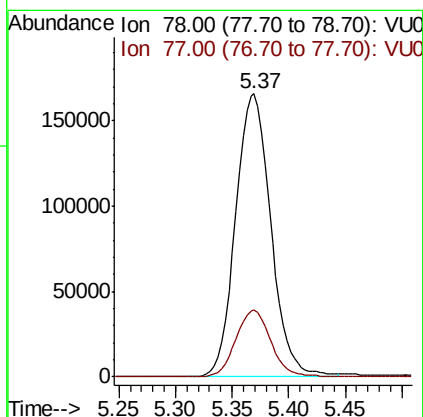
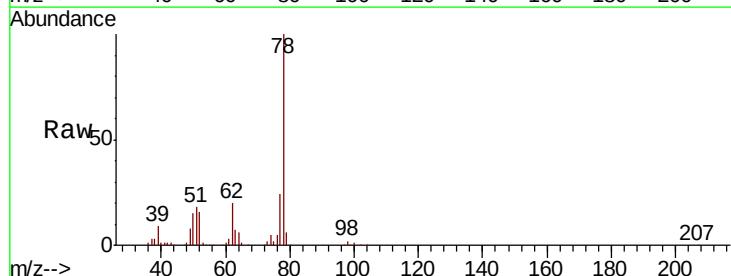
Instrument :
MSVOA_U
ClientSampleId :
VU0903WBS01

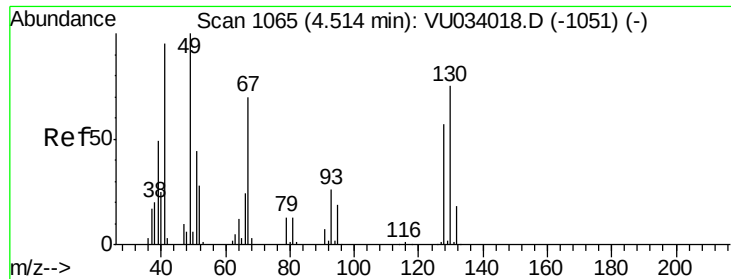
Tgt Ion: 83 Resp: 132656
Ion Ratio Lower Upper
83 100
55 82.5 62.3 93.5
98 46.0 36.2 54.2



#40
Benzene
Concen: 19.935 ug/l
RT: 5.37 min Scan# 1331
Delta R.T. 0.01 min
Lab File: VU034189.D
Acq: 02 Sep 2019 10:10

Tgt Ion: 78 Resp: 361259
Ion Ratio Lower Upper
78 100
77 23.6 19.0 28.6

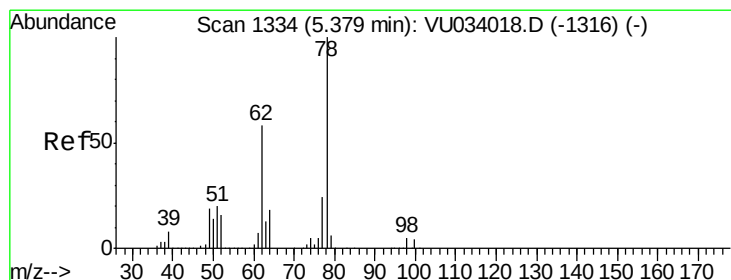
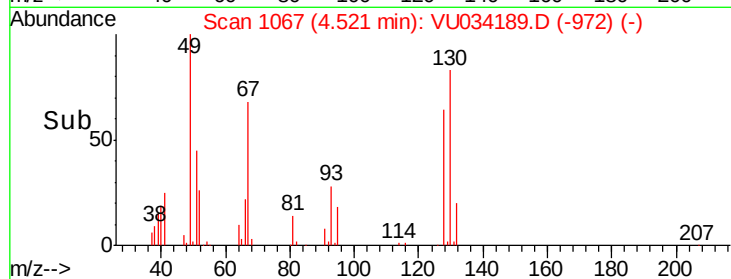
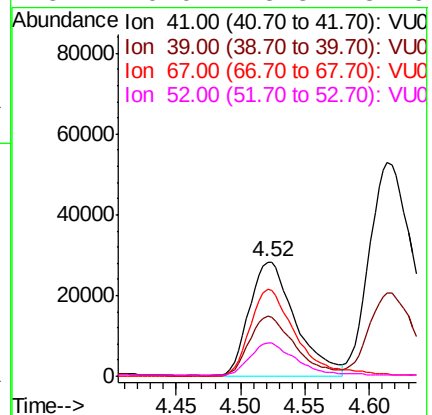
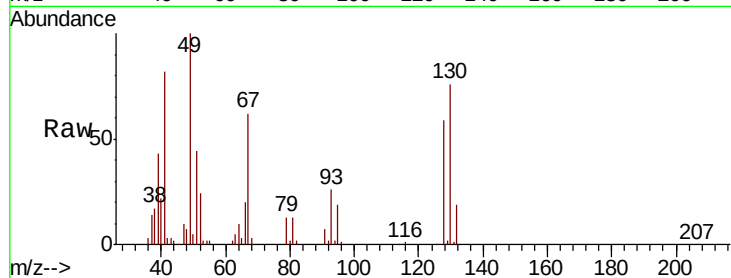




#41
Methacrylonitrile
Concen: 20.370 ug/l
RT: 4.52 min Scan# 1067
Delta R.T. 0.01 min
Lab File: VU034189.D
Acq: 02 Sep 2019 10:10

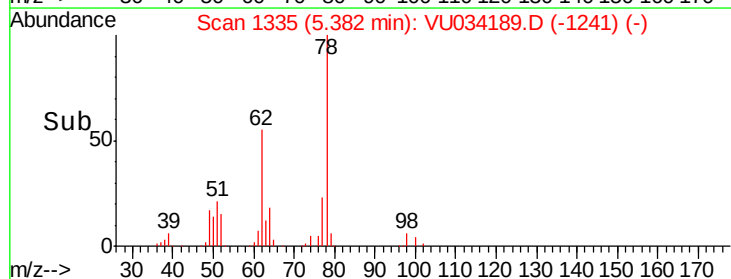
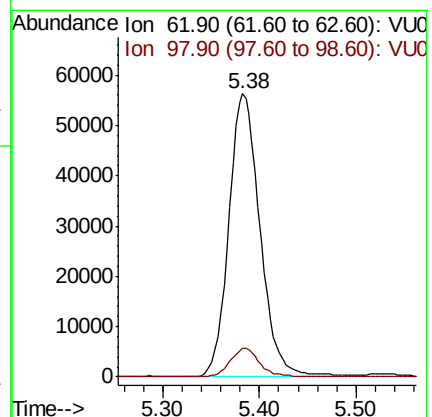
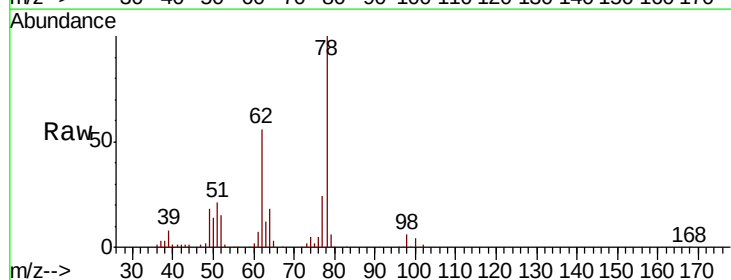
Instrument :
MSVOA_U
ClientSampleId :
VU0903WBS01

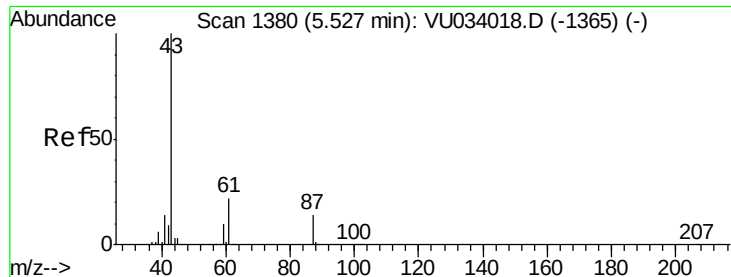
Tgt Ion:	41	Resp:	70070
Ion	Ratio	Lower	Upper
41	100		
39	51.8	42.1	63.1
67	77.3	61.0	91.4
52	29.0	23.3	34.9



#42
1,2-Dichloroethane
Concen: 20.153 ug/l
RT: 5.38 min Scan# 1335
Delta R.T. 0.00 min
Lab File: VU034189.D
Acq: 02 Sep 2019 10:10

Tgt Ion:	62	Resp:	126109
Ion	Ratio	Lower	Upper
62	100		
98	9.5	0.0	18.2





#43

Isopropyl Acetate

Concen: 19.301 ug/l

RT: 5.53 min Scan# 1380

Delta R.T. 0.00 min

Lab File: VU034189.D

Acq: 02 Sep 2019 10:10

Instrument :

MSVOA_U

ClientSampleId :

VU0903WBS01

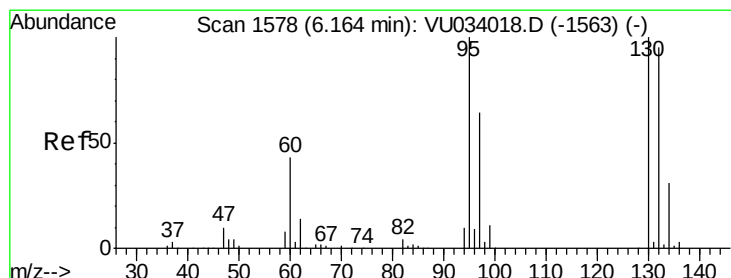
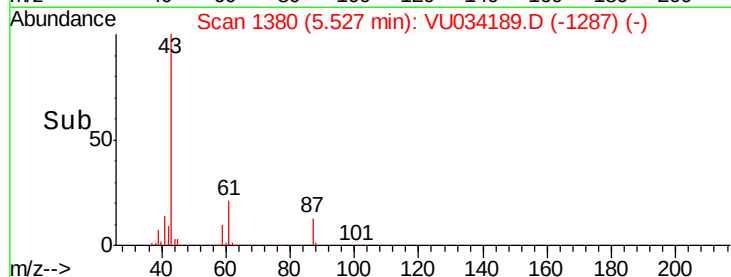
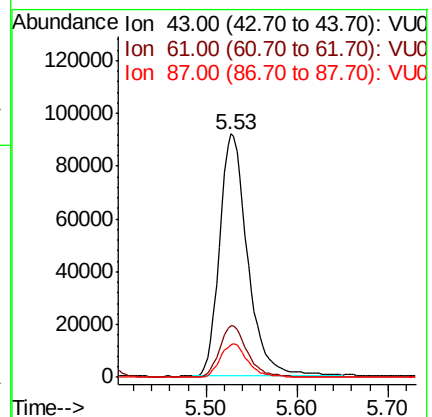
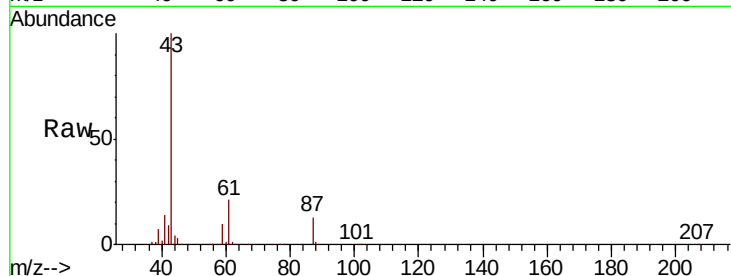
Tgt Ion: 43 Resp: 196951

Ion Ratio Lower Upper

43 100

61 21.3 17.2 25.8

87 13.6 10.8 16.2



#44

Trichloroethene

Concen: 19.991 ug/l

RT: 6.17 min Scan# 1579

Delta R.T. 0.00 min

Lab File: VU034189.D

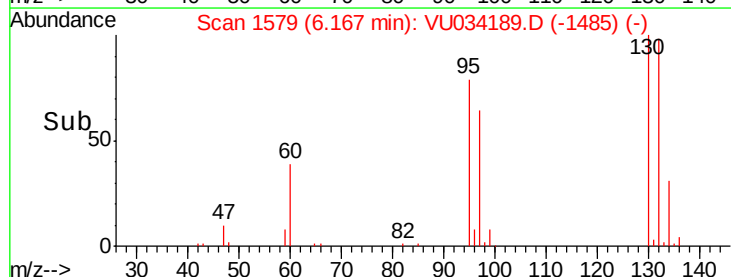
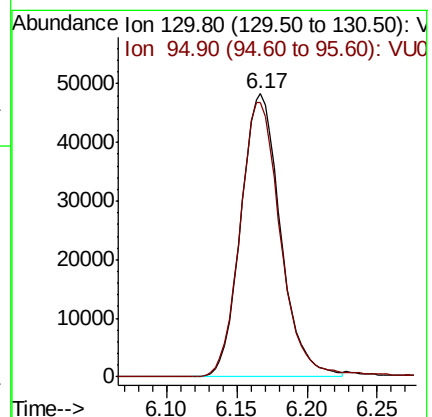
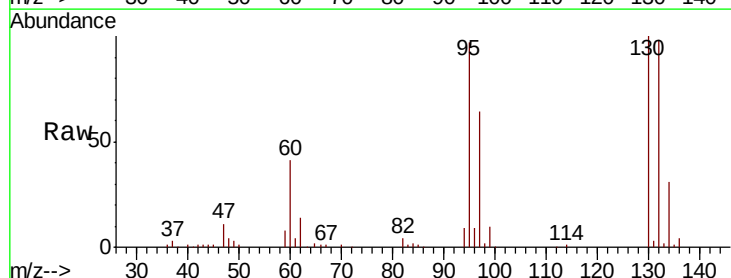
Acq: 02 Sep 2019 10:10

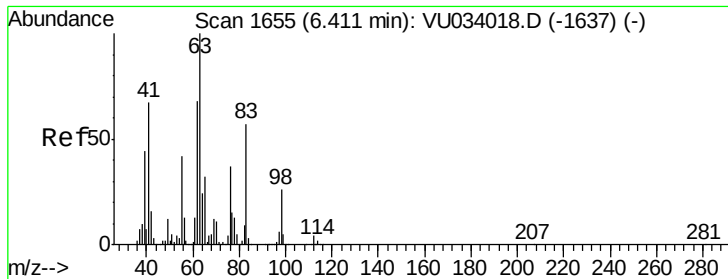
Tgt Ion: 130 Resp: 95132

Ion Ratio Lower Upper

130 100

95 97.1 0.0 199.6

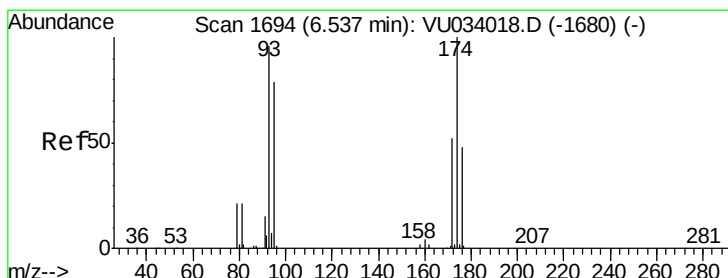
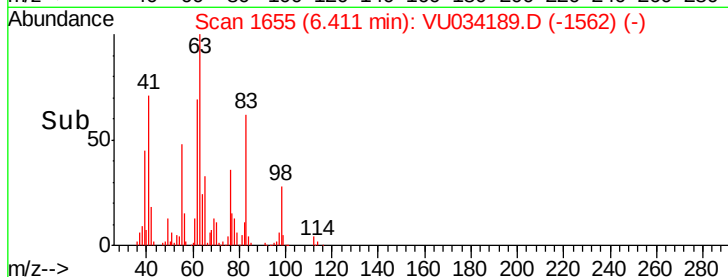
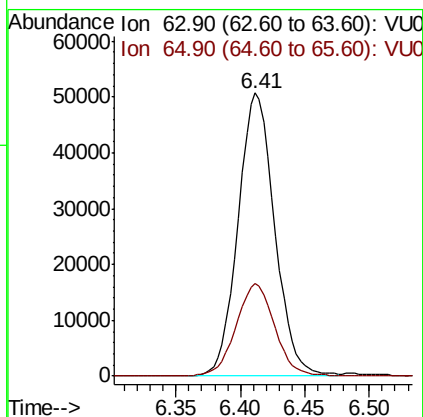
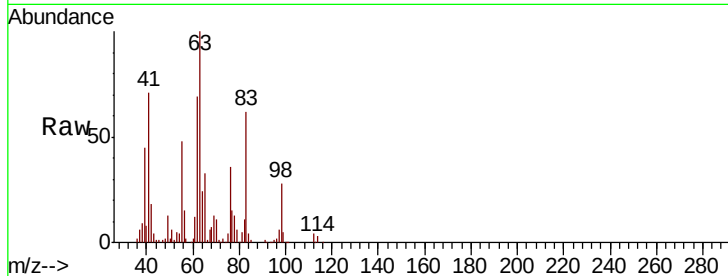




#45
 1,2-Dichloropropane
 Concen: 20.086 ug/l
 RT: 6.41 min Scan# 1655
 Delta R.T. 0.00 min
 Lab File: VU034189.D
 Acq: 02 Sep 2019 10:10

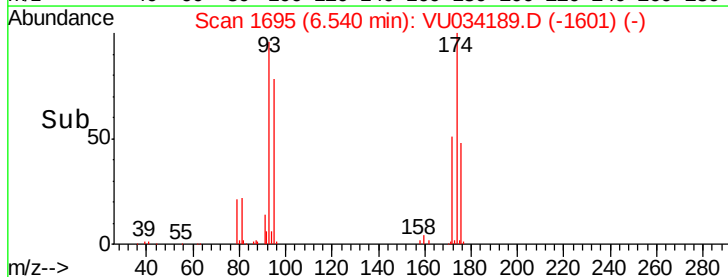
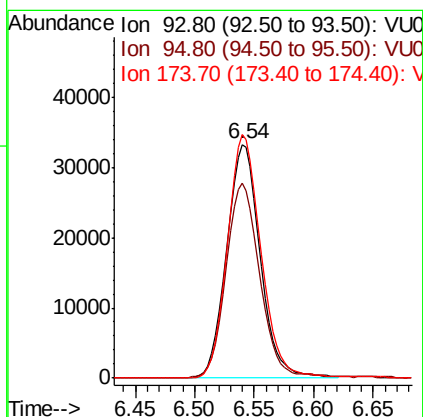
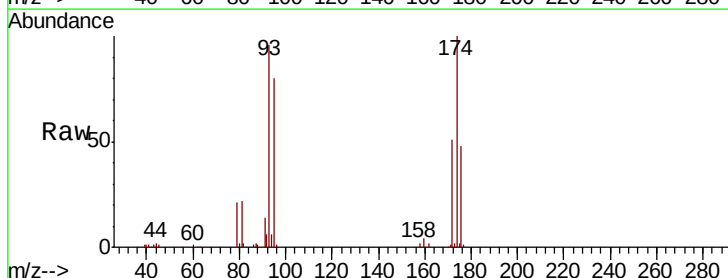
Instrument :
 MSVOA_U
 ClientSampleId :
 VU0903WBS01

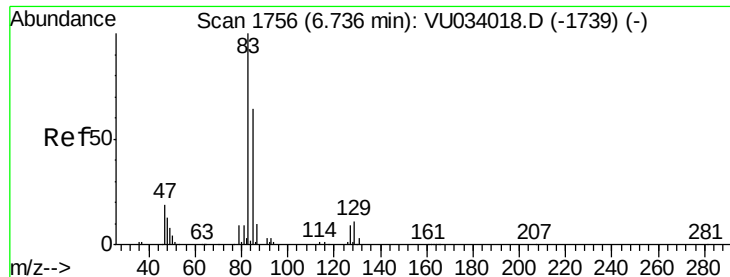
Tgt Ion: 63 Resp: 100195
 Ion Ratio Lower Upper
 63 100
 65 32.9 25.4 38.2



#46
 Dibromomethane
 Concen: 20.228 ug/l
 RT: 6.54 min Scan# 1695
 Delta R.T. 0.00 min
 Lab File: VU034189.D
 Acq: 02 Sep 2019 10:10

Tgt Ion: 93 Resp: 65009
 Ion Ratio Lower Upper
 93 100
 95 84.2 66.7 100.1
 174 104.0 84.9 127.3





#47

Bromodichloromethane

Concen: 20.458 ug/l

RT: 6.74 min Scan# 1756

Delta R.T. -0.00 min

Lab File: VU034189.D

Acq: 02 Sep 2019 10:10

Instrument :

MSVOA_U

ClientSampleId :

VU0903WBS01

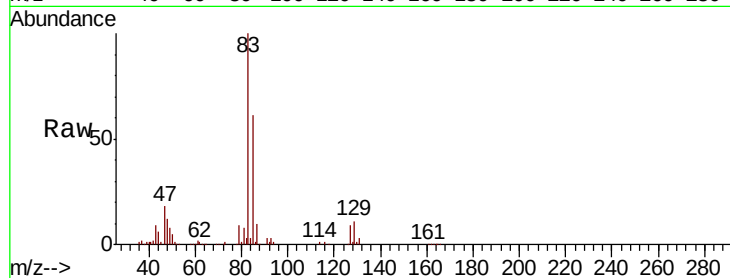
Tgt Ion: 83 Resp: 128638

Ion Ratio Lower Upper

83 100

85 61.2 51.2 76.8

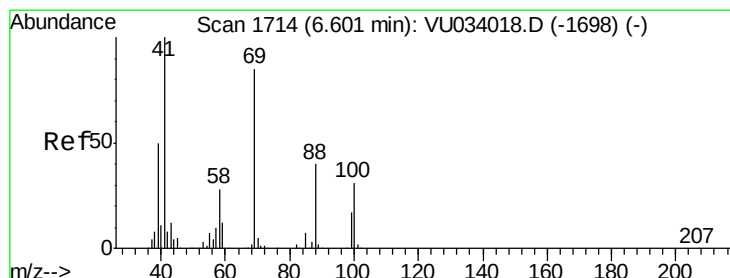
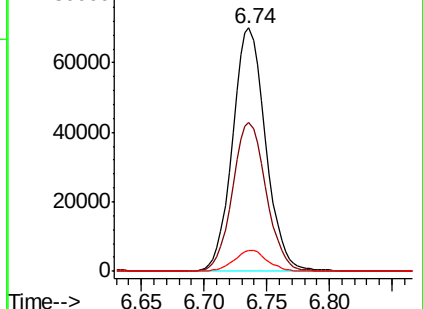
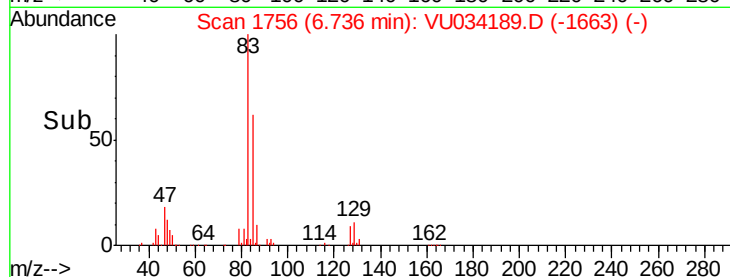
127 8.7 7.0 10.6



Abundance Ion 82.90 (82.60 to 83.60): VU034189.D (-1663) (-)

Ion 84.90 (84.60 to 85.60): VU034189.D (-1663) (-)

Ion 126.80 (126.50 to 127.50): VU034189.D (-1663) (-)



#48

Methyl methacrylate

Concen: 18.923 ug/l

RT: 6.60 min Scan# 1715

Delta R.T. 0.00 min

Lab File: VU034189.D

Acq: 02 Sep 2019 10:10

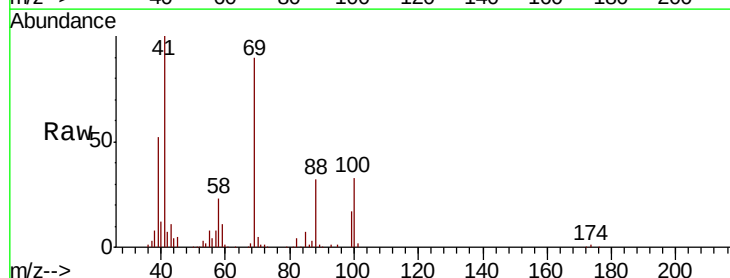
Tgt Ion: 41 Resp: 93173

Ion Ratio Lower Upper

41 100

69 90.8 69.5 104.3

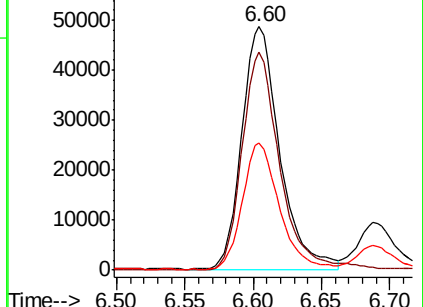
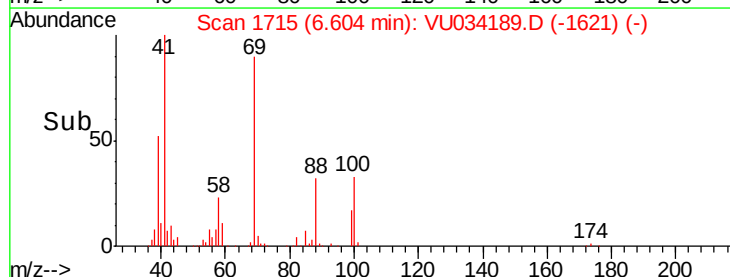
39 50.7 40.3 60.5

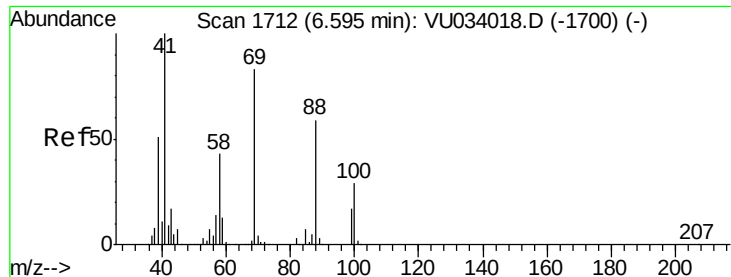


Abundance Ion 41.00 (40.70 to 41.70): VU034189.D (-1621) (-)

Ion 69.00 (68.70 to 69.70): VU034189.D (-1621) (-)

Ion 39.00 (38.70 to 39.70): VU034189.D (-1621) (-)

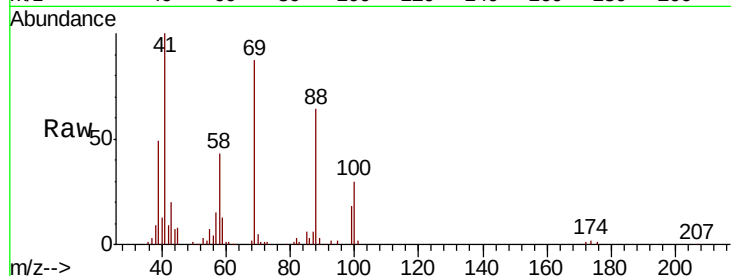




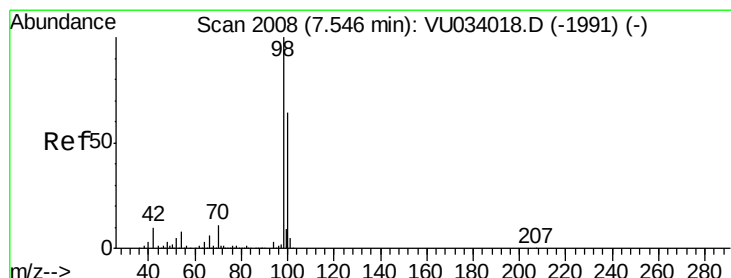
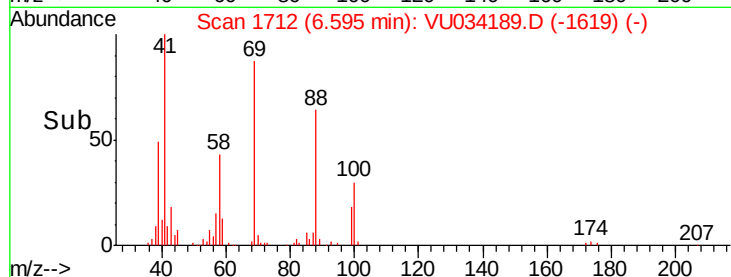
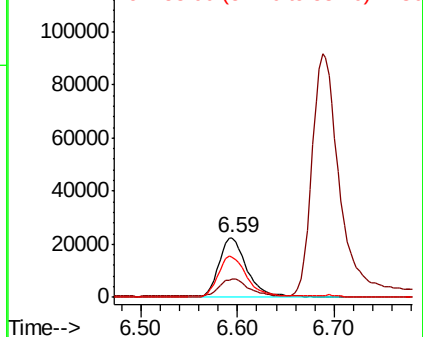
#49
1,4-Dioxane
Concen: 363.073 ug/l
RT: 6.59 min Scan# 1712
Delta R.T. 0.00 min
Lab File: VU034189.D
Acq: 02 Sep 2019 10:10

Instrument :
MSVOA_U
ClientSampleId :
VU0903WBS01

Tgt Ion: 88 Resp: 44793
Ion Ratio Lower Upper
88 100
43 30.2 24.8 37.2
58 72.8 59.3 88.9

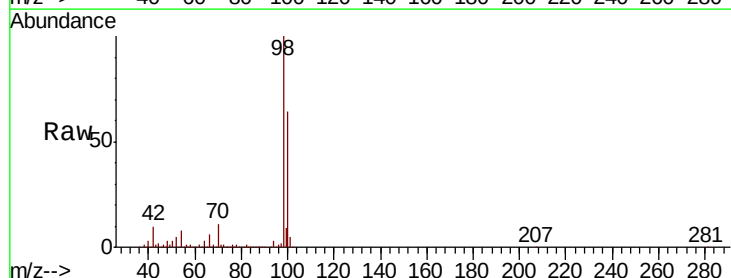


Abundance Ion 88.00 (87.70 to 88.70): VU0
Ion 43.00 (42.70 to 43.70): VU0
Ion 58.00 (57.70 to 58.70): VU0

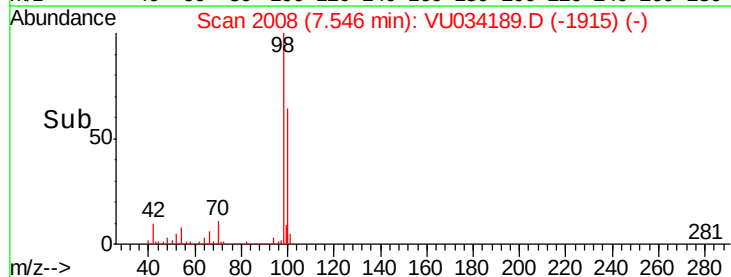
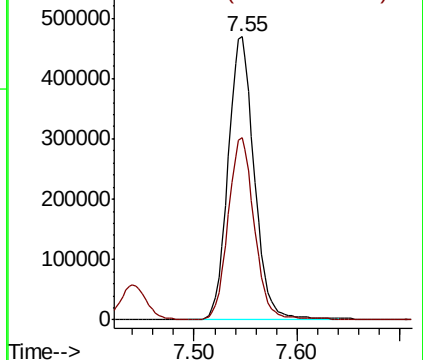


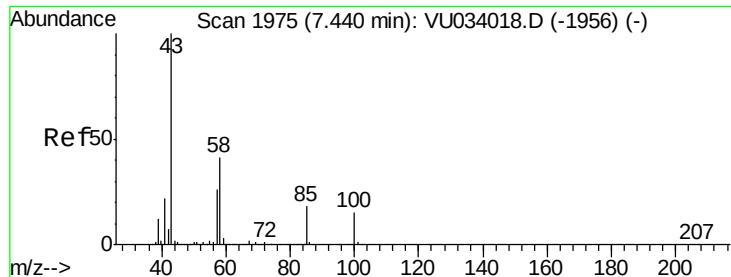
#50
Toluene-d8
Concen: 50.705 ug/l
RT: 7.55 min Scan# 2008
Delta R.T. 0.00 min
Lab File: VU034189.D
Acq: 02 Sep 2019 10:10

Tgt Ion: 98 Resp: 833861
Ion Ratio Lower Upper
98 100
100 64.2 50.3 75.5



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

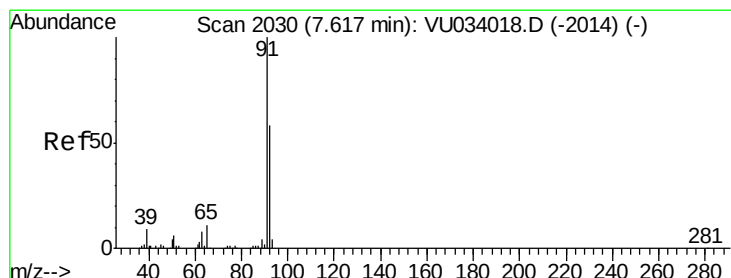
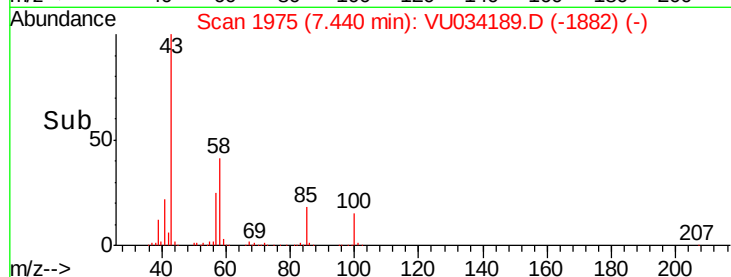
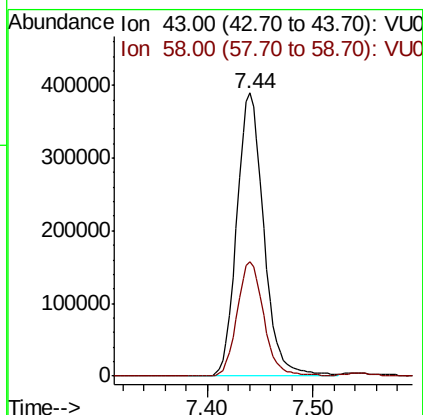
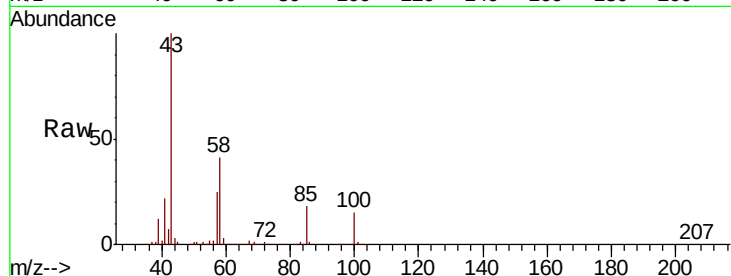




#51
 4-Methyl-2-Pentanone
 Concen: 97.695 ug/l
 RT: 7.44 min Scan# 1975
 Delta R.T. -0.00 min
 Lab File: VU034189.D
 Acq: 02 Sep 2019 10:10

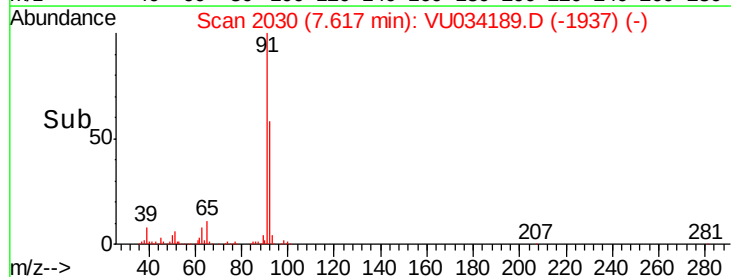
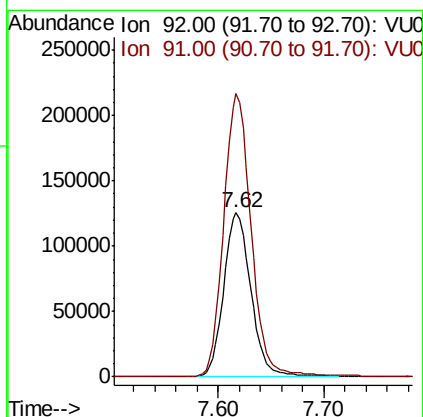
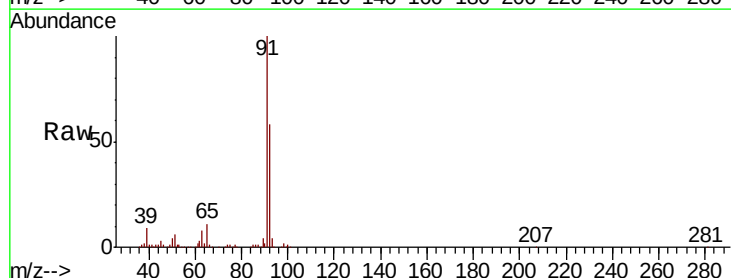
Instrument :
 MSVOA_U
 ClientSampleId :
 VU0903WBS01

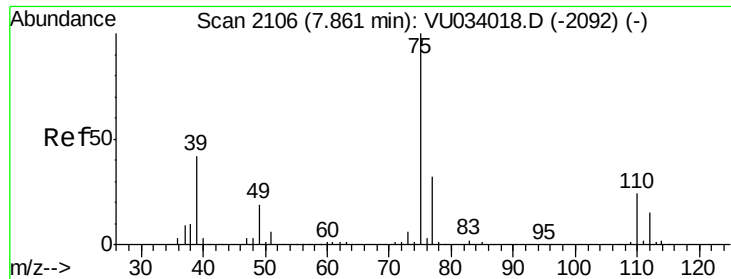
Tgt Ion: 43 Resp: 688445
 Ion Ratio Lower Upper
 43 100
 58 40.2 32.2 48.4



#52
 Toluene
 Concen: 20.169 ug/l
 RT: 7.62 min Scan# 2030
 Delta R.T. 0.00 min
 Lab File: VU034189.D
 Acq: 02 Sep 2019 10:10

Tgt Ion: 92 Resp: 225150
 Ion Ratio Lower Upper
 92 100
 91 173.8 138.3 207.5

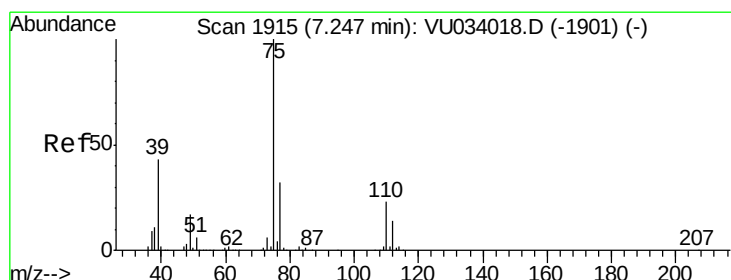
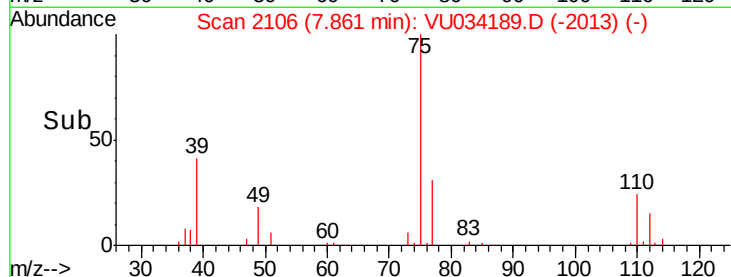
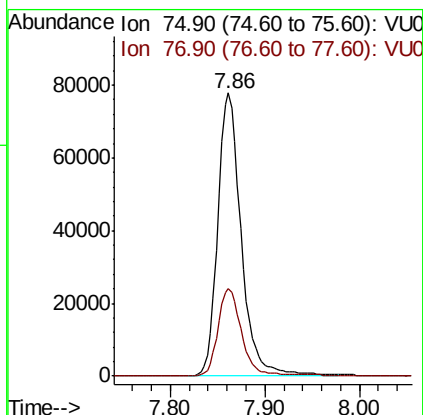
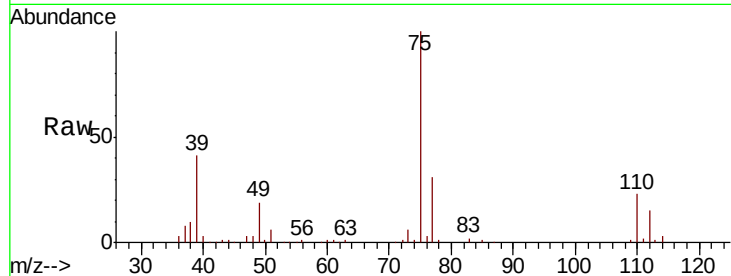




#53
 t-1,3-Dichloropropene
 Concen: 19.250 ug/l
 RT: 7.86 min Scan# 2106
 Delta R.T. 0.00 min
 Lab File: VU034189.D
 Acq: 02 Sep 2019 10:10

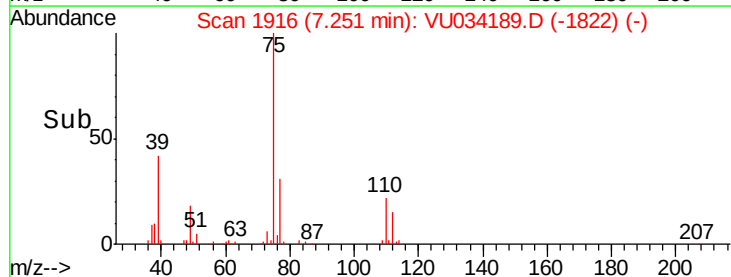
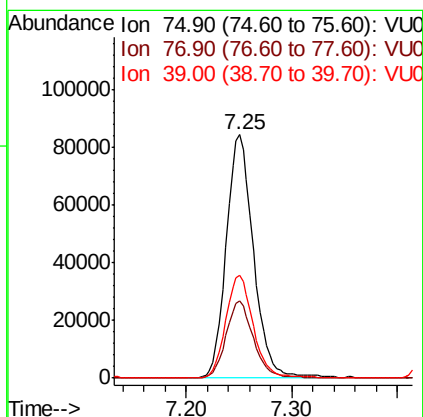
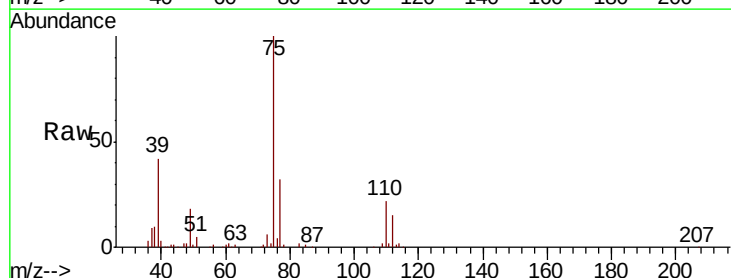
Instrument :
 MSVOA_U
 ClientSampleId :
 VU0903WBS01

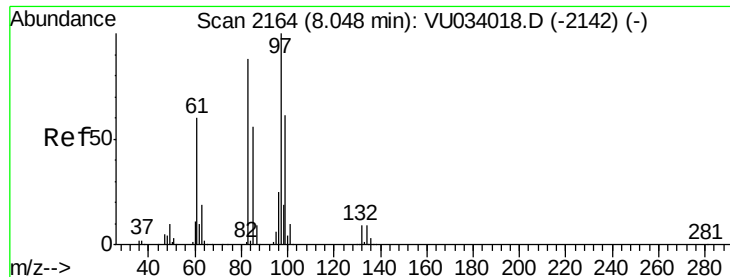
Tgt Ion: 75 Resp: 134306
 Ion Ratio Lower Upper
 75 100
 77 31.0 25.4 38.0



#54
 cis-1,3-Dichloropropene
 Concen: 19.837 ug/l
 RT: 7.25 min Scan# 1916
 Delta R.T. 0.00 min
 Lab File: VU034189.D
 Acq: 02 Sep 2019 10:10

Tgt Ion: 75 Resp: 151206
 Ion Ratio Lower Upper
 75 100
 77 31.6 25.2 37.8
 39 42.2 34.6 51.8





#55

1,1,2-Trichloroethane

Concen: 20.291 ug/l

RT: 8.05 min Scan# 2164

Delta R.T. 0.00 min

Lab File: VU034189.D

Acq: 02 Sep 2019 10:10

Instrument :

MSVOA_U

ClientSampleId :

VU0903WBS01

Tgt Ion: 97 Resp: 95815

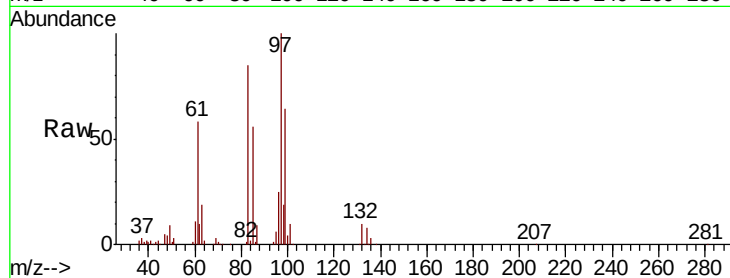
Ion Ratio Lower Upper

97 100

83 84.7 70.1 105.1

85 55.4 45.0 67.4

99 63.1 49.8 74.8

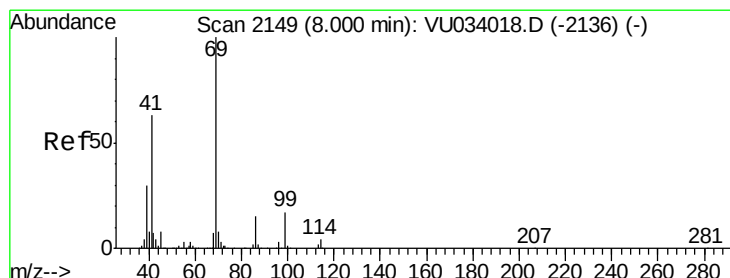
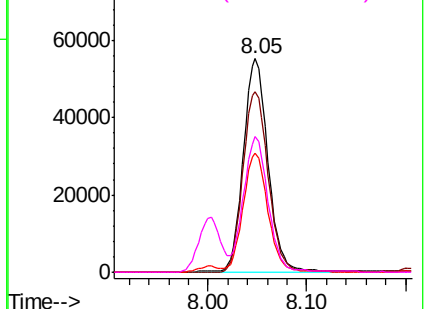
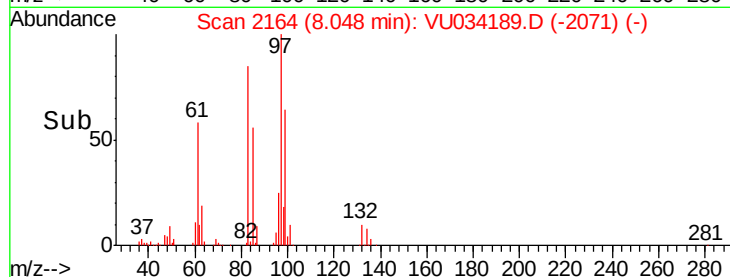


Abundance Ion 96.90 (96.60 to 97.60): VU0

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: 17.542 ug/l

RT: 8.00 min Scan# 2149

Delta R.T. 0.00 min

Lab File: VU034189.D

Acq: 02 Sep 2019 10:10

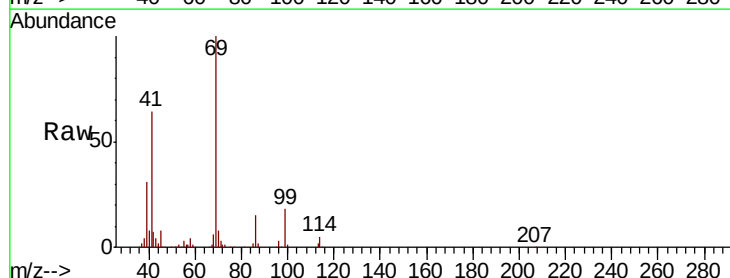
Tgt Ion: 69 Resp: 132362

Ion Ratio Lower Upper

69 100

41 62.4 50.7 76.1

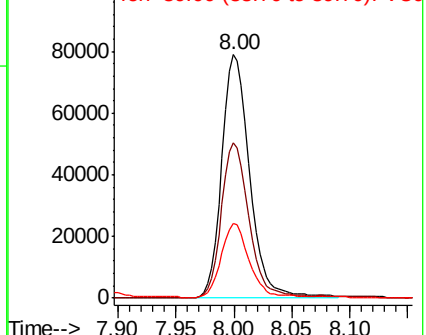
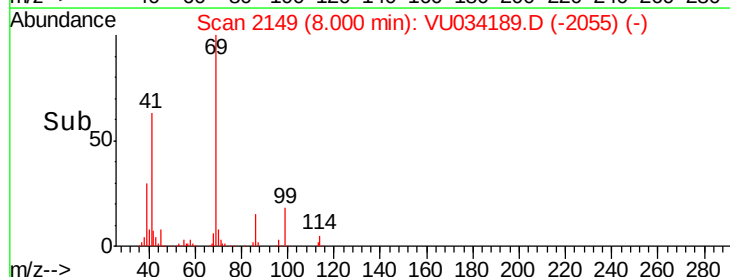
39 30.7 24.2 36.2

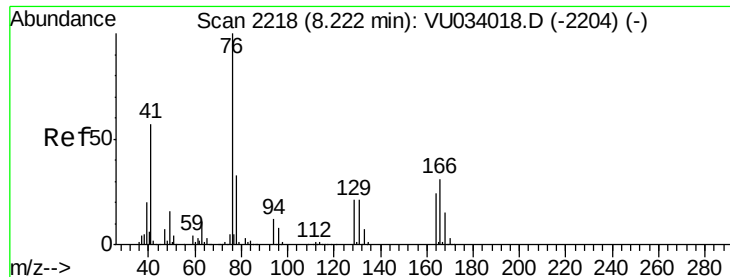


Abundance Ion 69.00 (68.70 to 69.70): VU0

Ion 41.00 (40.70 to 41.70): VU0

Ion 39.00 (38.70 to 39.70): VU0

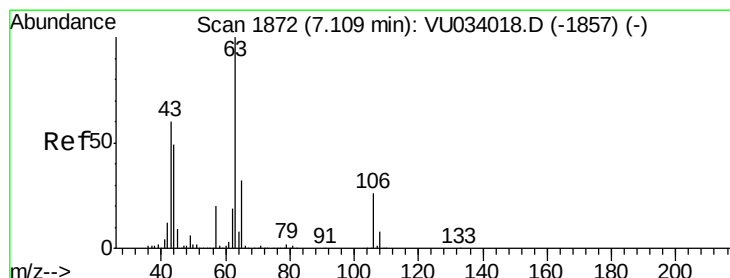
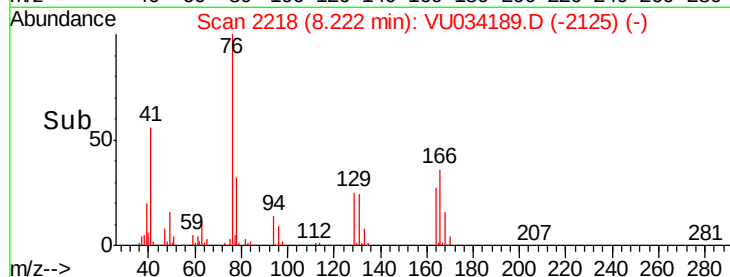
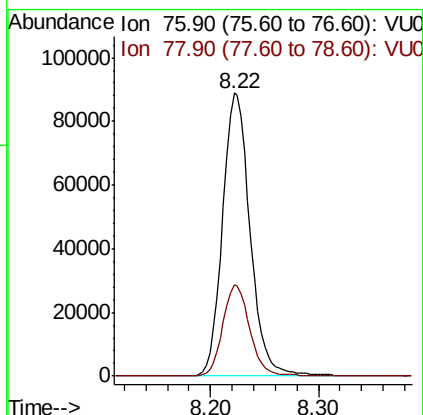
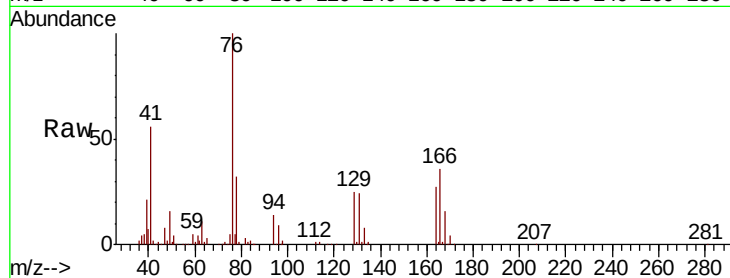




#57
 1,3-Dichloropropane
 Concen: 19.719 ug/l
 RT: 8.22 min Scan# 2218
 Delta R.T. 0.00 min
 Lab File: VU034189.D
 Acq: 02 Sep 2019 10:10

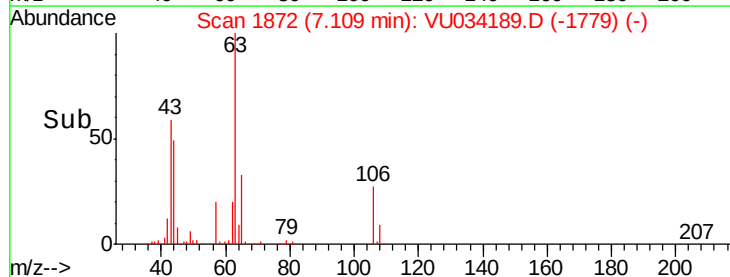
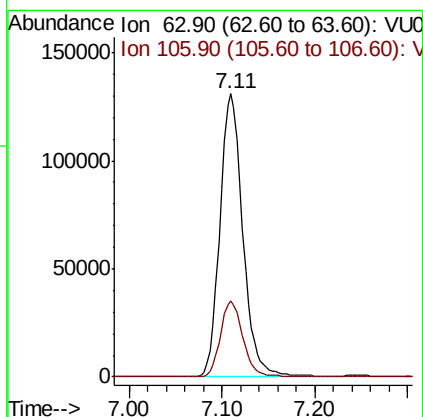
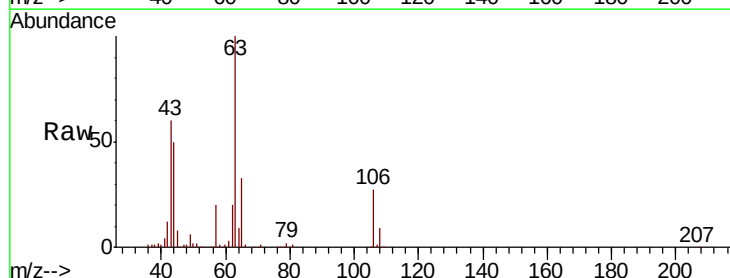
Instrument :
 MSVOA_U
 ClientSampleId :
 VU0903WBS01

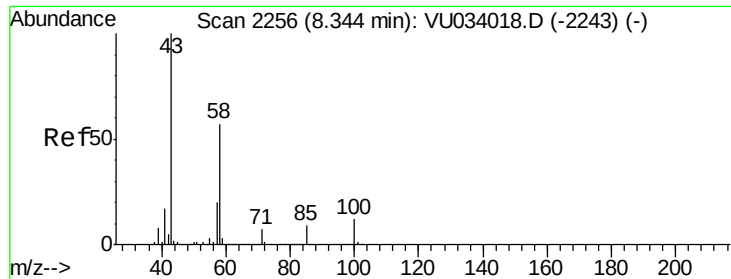
Tgt Ion: 76 Resp: 158102
 Ion Ratio Lower Upper
 76 100
 78 31.2 26.2 39.4



#58
 2-Chloroethyl Vinyl ether
 Concen: 86.240 ug/l
 RT: 7.11 min Scan# 1872
 Delta R.T. 0.00 min
 Lab File: VU034189.D
 Acq: 02 Sep 2019 10:10

Tgt Ion: 63 Resp: 225285
 Ion Ratio Lower Upper
 63 100
 106 26.3 20.7 31.1

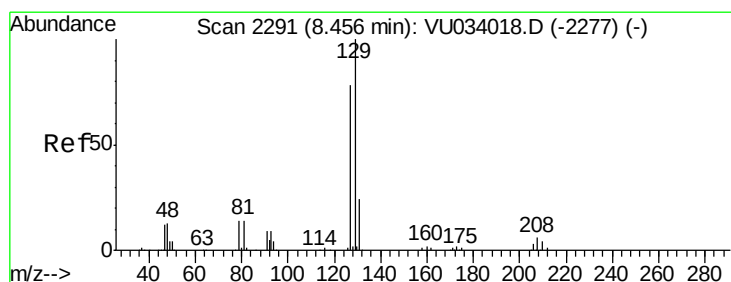
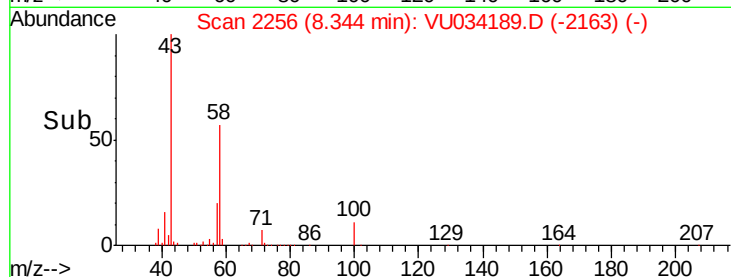
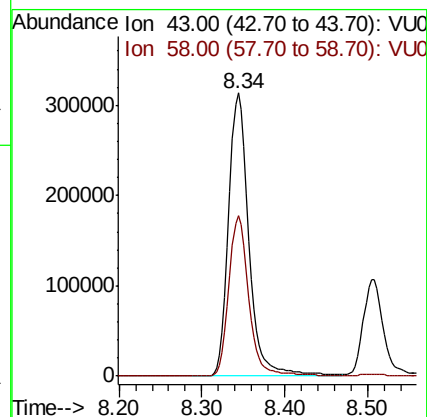
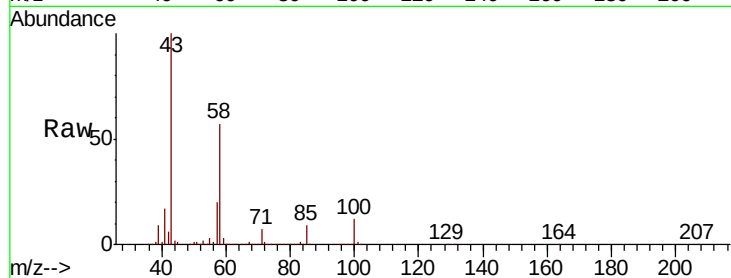




#59
2-Hexanone
Concen: 99.418 ug/l
RT: 8.34 min Scan# 2256
Delta R.T. -0.00 min
Lab File: VU034189.D
Acq: 02 Sep 2019 10:10

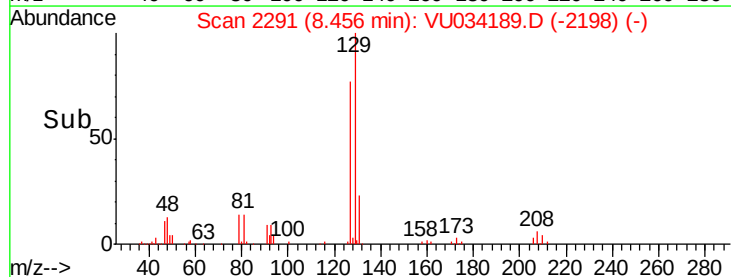
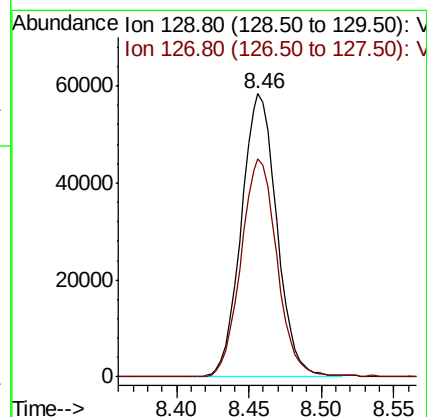
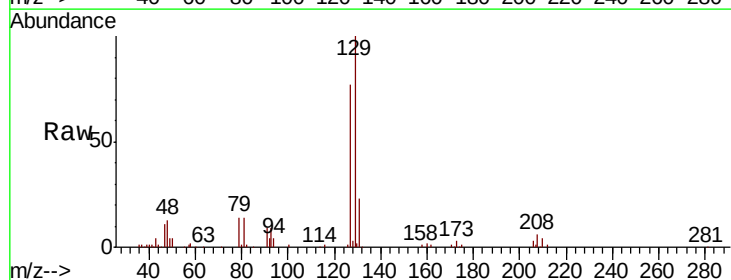
Instrument :
MSVOA_U
ClientSampleId :
VU0903WBS01

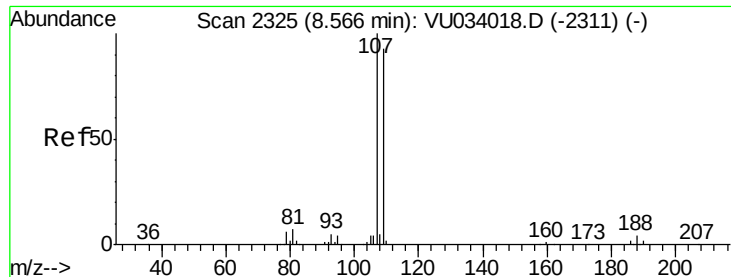
Tgt Ion: 43 Resp: 528883
Ion Ratio Lower Upper
43 100
58 56.3 28.4 85.3



#60
Dibromochloromethane
Concen: 19.623 ug/l
RT: 8.46 min Scan# 2291
Delta R.T. 0.00 min
Lab File: VU034189.D
Acq: 02 Sep 2019 10:10

Tgt Ion: 129 Resp: 99465
Ion Ratio Lower Upper
129 100
127 78.1 39.0 116.9





#61

1,2-Dibromoethane

Concen: 19.630 ug/l

RT: 8.57 min Scan# 2325

Delta R.T. 0.00 min

Lab File: VU034189.D

Acq: 02 Sep 2019 10:10

Instrument :

MSVOA_U

ClientSampleId :

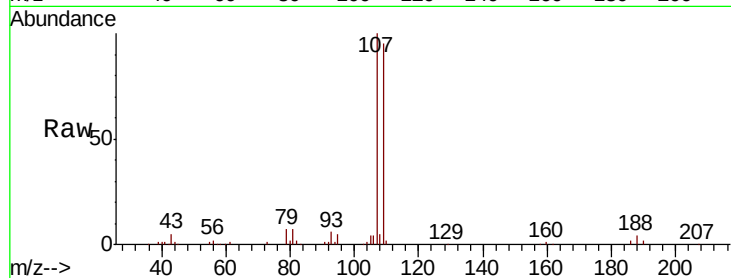
VU0903WBS01

Tgt Ion: 107 Resp: 97641

Ion Ratio Lower Upper

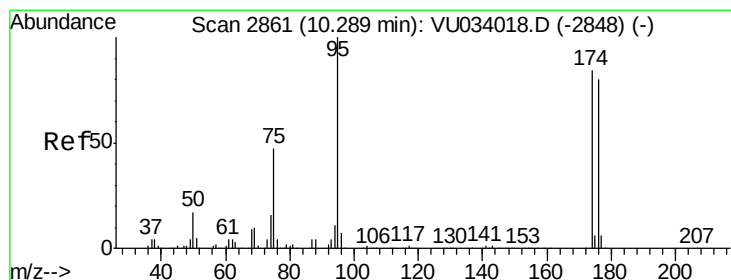
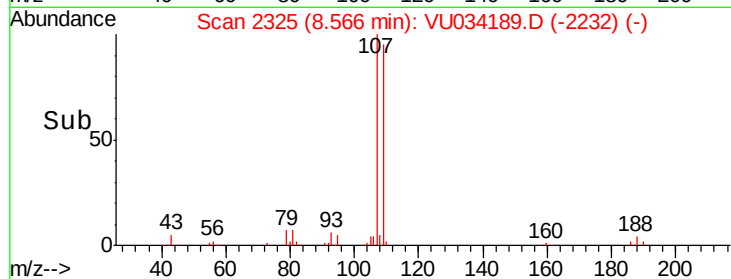
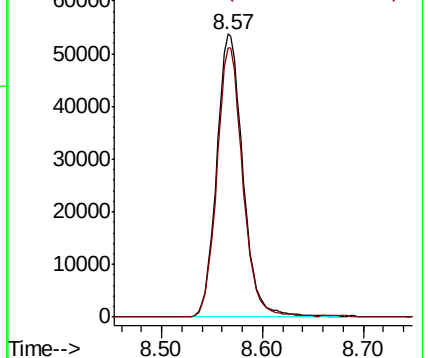
107 100

109 93.3 75.2 112.8



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 48.466 ug/l

RT: 10.29 min Scan# 2861

Delta R.T. 0.00 min

Lab File: VU034189.D

Acq: 02 Sep 2019 10:10

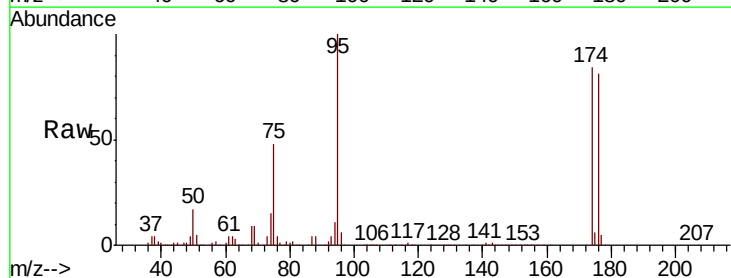
Tgt Ion: 95 Resp: 310038

Ion Ratio Lower Upper

95 100

174 84.6 0.0 168.8

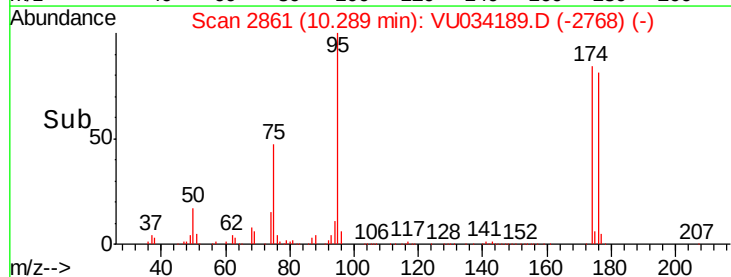
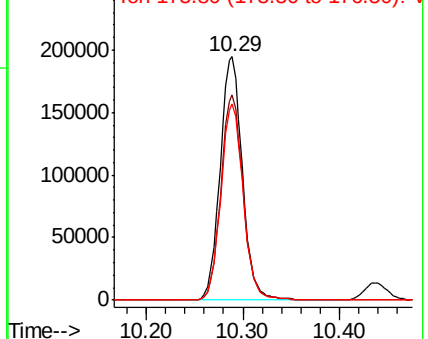
176 81.0 0.0 161.8

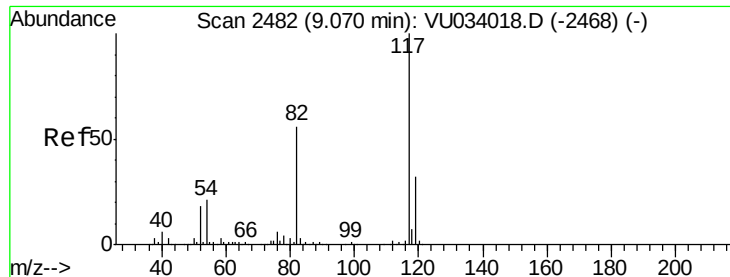


Abundance Ion 94.90 (94.60 to 95.60): VU0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

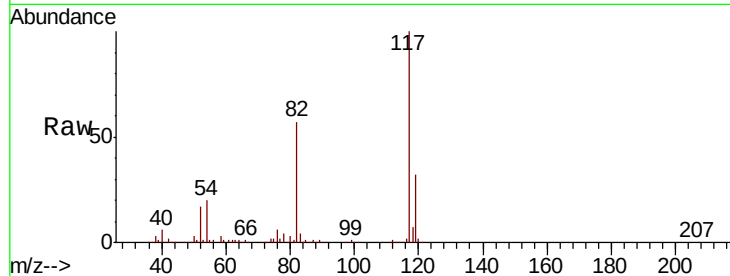




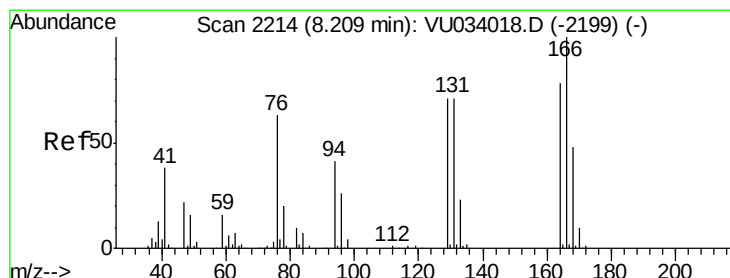
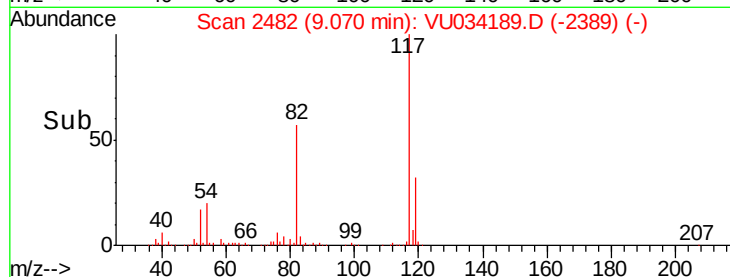
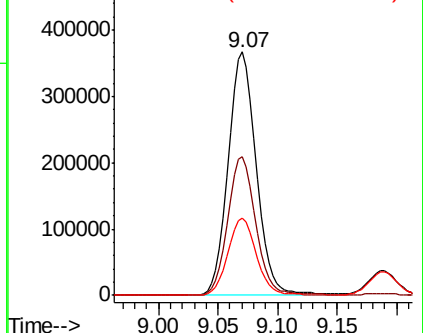
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.07 min Scan# 2482
Delta R.T. 0.00 min
Lab File: VU034189.D
Acq: 02 Sep 2019 10:10

Instrument :
MSVOA_U
ClientSampleId :
VU0903WBS01

Tgt Ion:117 Resp: 604044
Ion Ratio Lower Upper
117 100
82 56.9 45.1 67.7
119 31.7 25.4 38.0

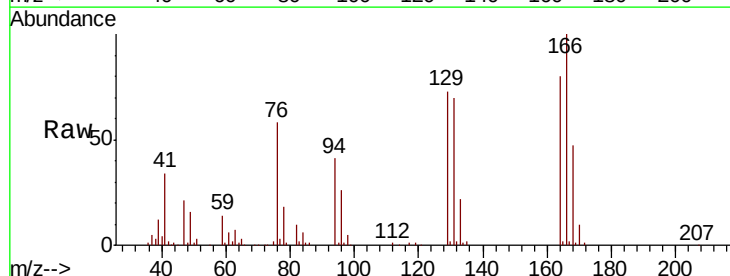


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

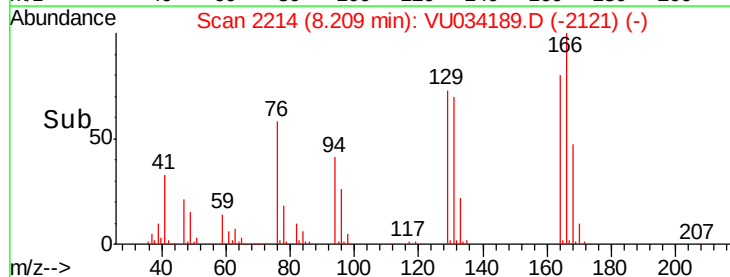
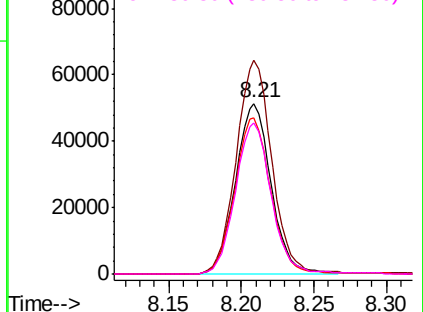


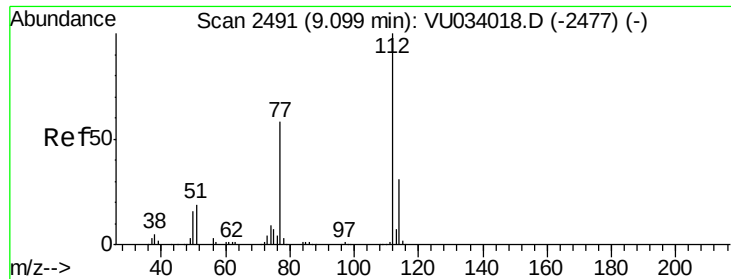
#64
Tetrachloroethene
Concen: 21.555 ug/l
RT: 8.21 min Scan# 2214
Delta R.T. 0.00 min
Lab File: VU034189.D
Acq: 02 Sep 2019 10:10

Tgt Ion:164 Resp: 87439
Ion Ratio Lower Upper
164 100
166 125.4 102.2 153.2
129 91.6 72.4 108.6
131 88.3 72.1 108.1



Abundance Ion 163.80 (163.50 to 164.50): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V

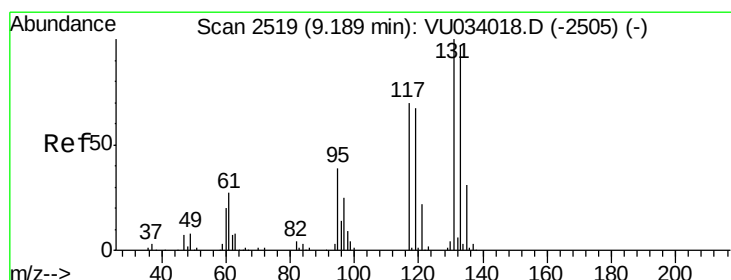
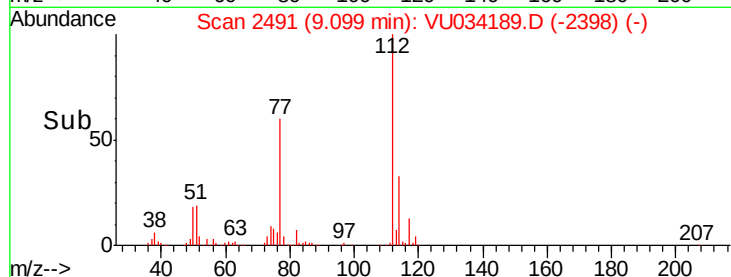
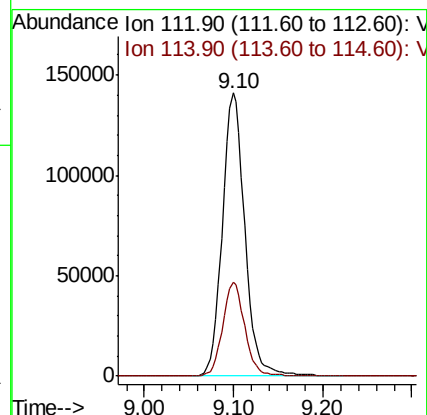
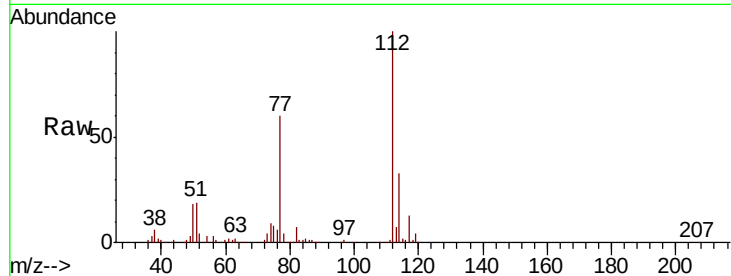




#65
Chlorobenzene
Concen: 19.782 ug/l
RT: 9.10 min Scan# 2491
Delta R.T. -0.00 min
Lab File: VU034189.D
Acq: 02 Sep 2019 10:10

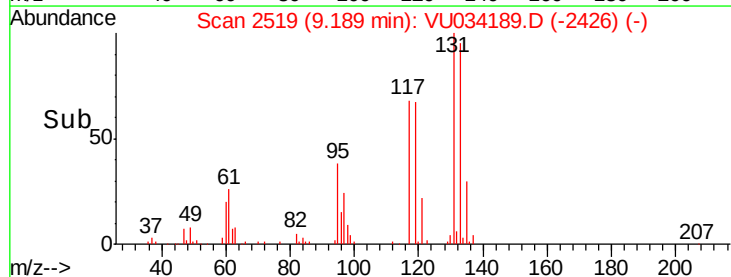
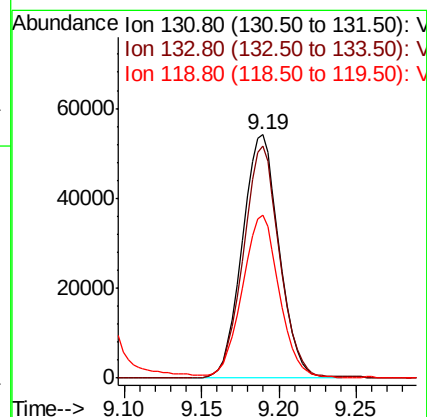
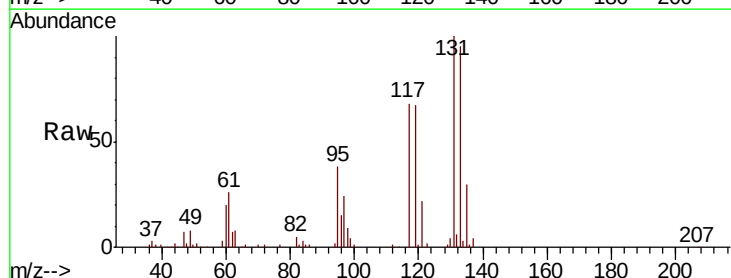
Instrument :
MSVOA_U
ClientSampleId :
VU0903WBS01

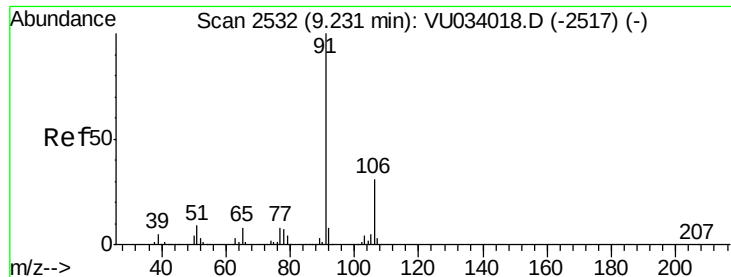
Tgt Ion:112 Resp: 245906
Ion Ratio Lower Upper
112 100
114 33.0 25.0 37.4



#66
1,1,1,2-Tetrachloroethane
Concen: 19.874 ug/l
RT: 9.19 min Scan# 2519
Delta R.T. 0.00 min
Lab File: VU034189.D
Acq: 02 Sep 2019 10:10

Tgt Ion:131 Resp: 89580
Ion Ratio Lower Upper
131 100
133 94.8 48.4 145.2
119 66.8 33.6 100.6

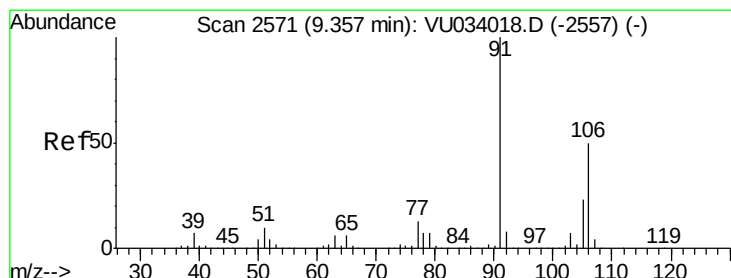
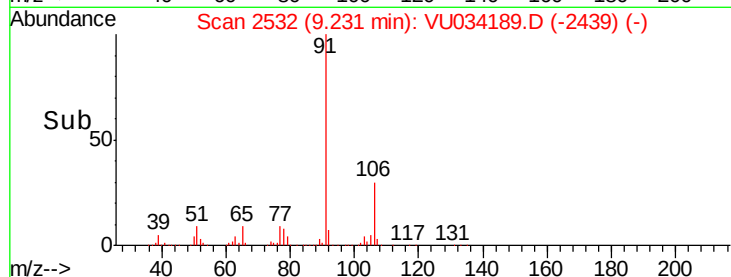
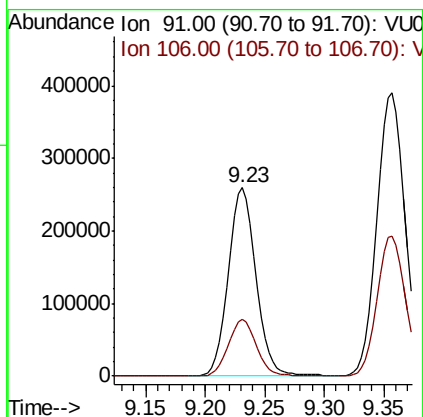
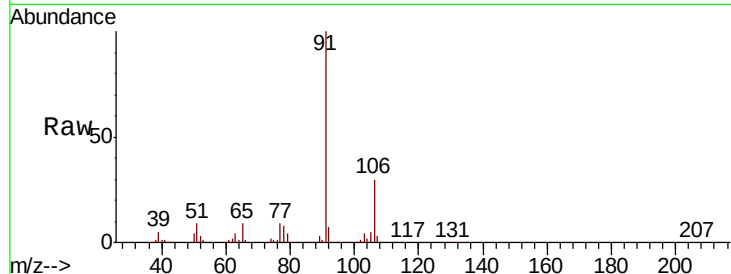




#67
Ethyl Benzene
Concen: 19.921 ug/l
RT: 9.23 min Scan# 2532
Delta R.T. 0.00 min
Lab File: VU034189.D
Acq: 02 Sep 2019 10:10

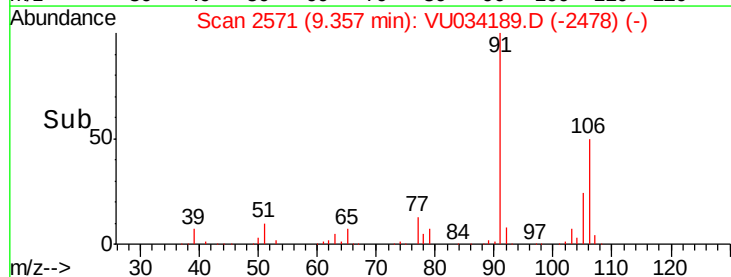
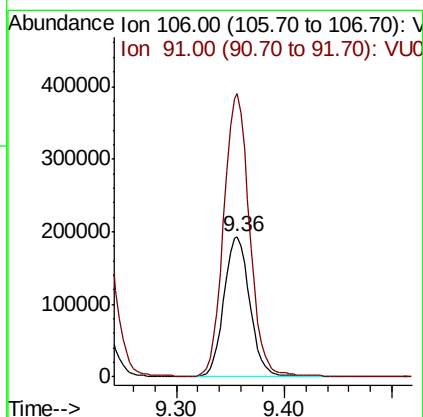
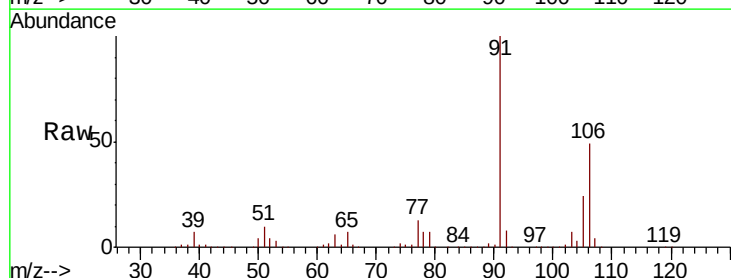
Instrument :
MSVOA_U
ClientSampleId :
VU0903WBS01

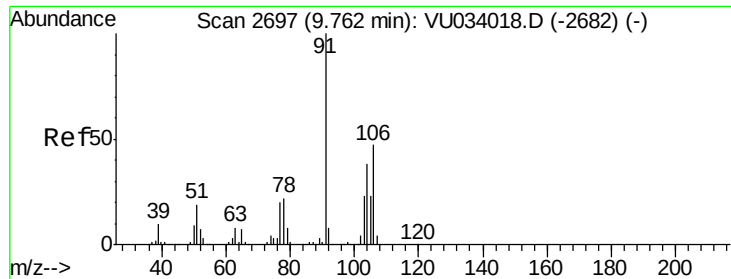
Tgt Ion: 91 Resp: 419776
Ion Ratio Lower Upper
91 100
106 30.2 24.9 37.3



#68
m/p-Xylenes
Concen: 40.093 ug/l
RT: 9.36 min Scan# 2571
Delta R.T. 0.00 min
Lab File: VU034189.D
Acq: 02 Sep 2019 10:10

Tgt Ion: 106 Resp: 321237
Ion Ratio Lower Upper
106 100
91 203.5 161.6 242.4

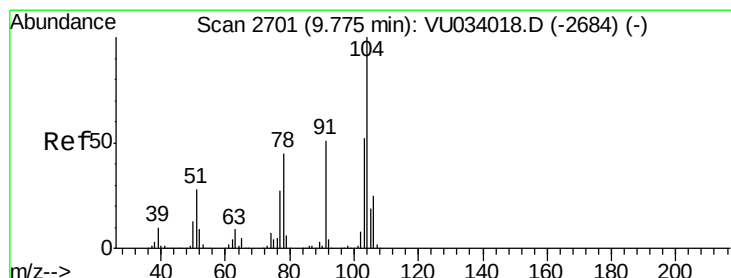
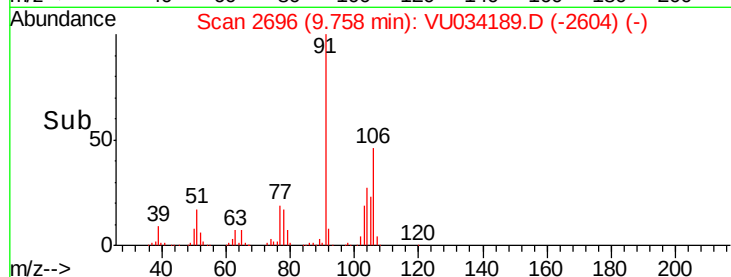
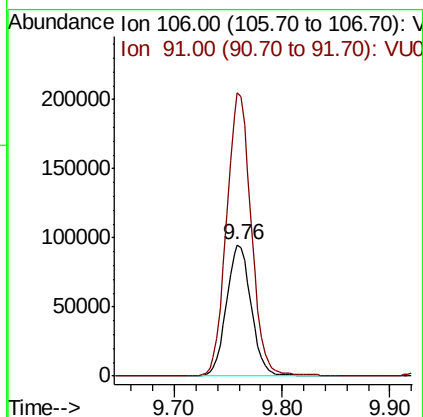
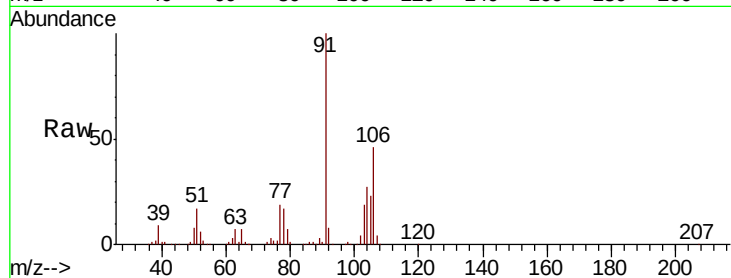




#69
o-Xylene
Concen: 19.761 ug/l
RT: 9.76 min Scan# 2696
Delta R.T. -0.00 min
Lab File: VU034189.D
Acq: 02 Sep 2019 10:10

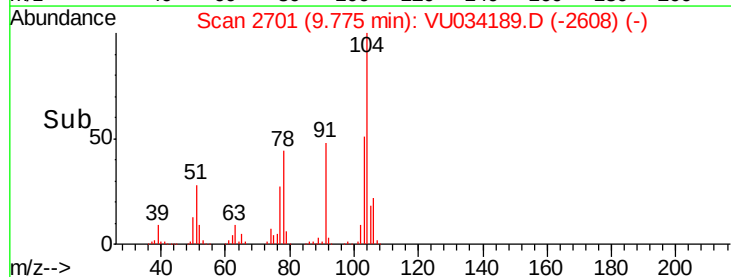
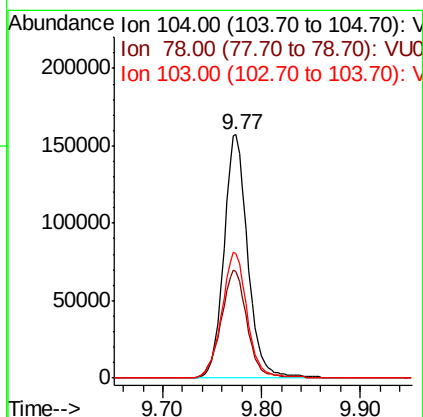
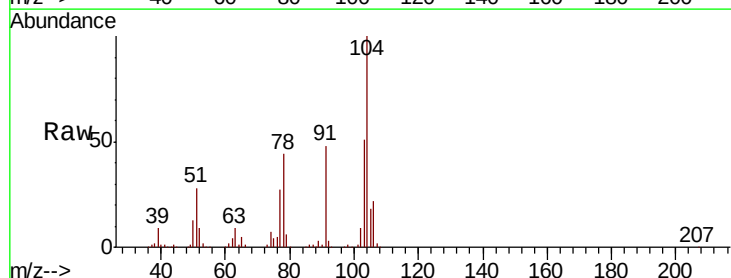
Instrument :
MSVOA_U
ClientSampleId :
VU0903WBS01

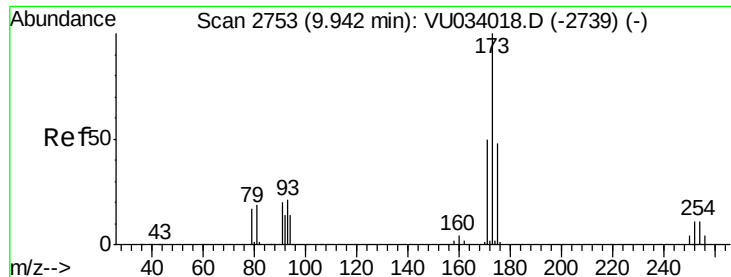
Tgt Ion:106 Resp: 151904
Ion Ratio Lower Upper
106 100
91 215.7 106.0 318.0



#70
Styrene
Concen: 20.280 ug/l
RT: 9.77 min Scan# 2701
Delta R.T. -0.00 min
Lab File: VU034189.D
Acq: 02 Sep 2019 10:10

Tgt Ion:104 Resp: 267298
Ion Ratio Lower Upper
104 100
78 48.4 39.0 58.4
103 55.0 44.0 66.0





#71

Bromoform

Concen: 19.219 ug/l

RT: 9.94 min Scan# 2752

Delta R.T. -0.00 min

Lab File: VU034189.D

Acq: 02 Sep 2019 10:10

Instrument :

MSVOA_U

ClientSampleId :

VU0903WBS01

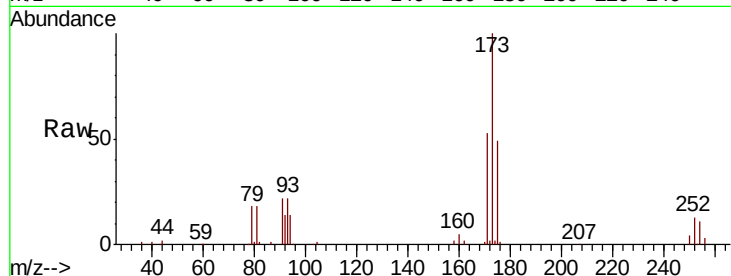
Tgt Ion:173 Resp: 75267

Ion Ratio Lower Upper

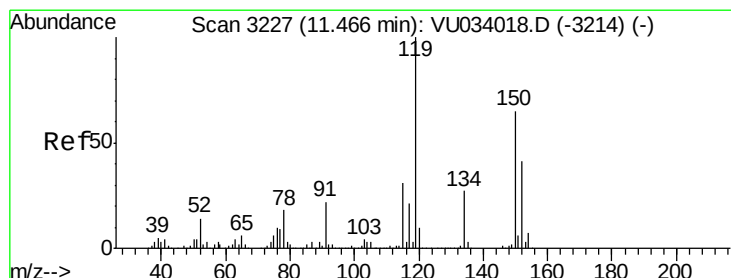
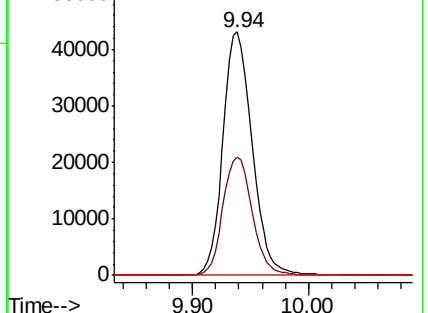
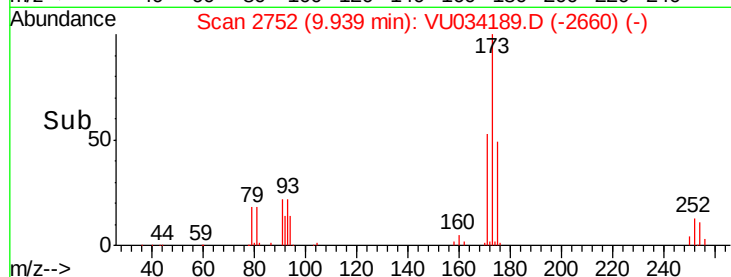
173 100

175 48.7 24.6 73.6

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: 11.46 min Scan# 3226

Delta R.T. -0.00 min

Lab File: VU034189.D

Acq: 02 Sep 2019 10:10

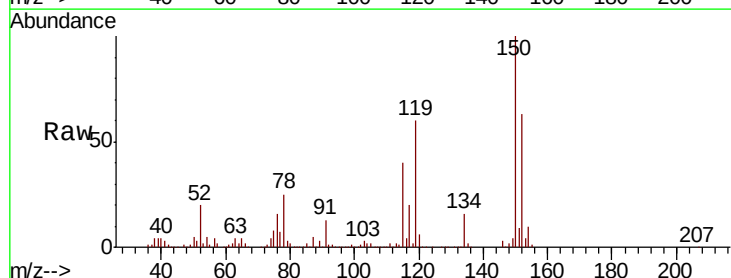
Tgt Ion:152 Resp: 327198

Ion Ratio Lower Upper

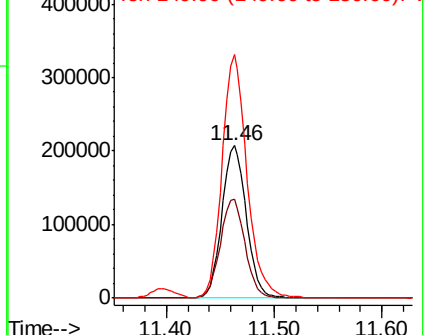
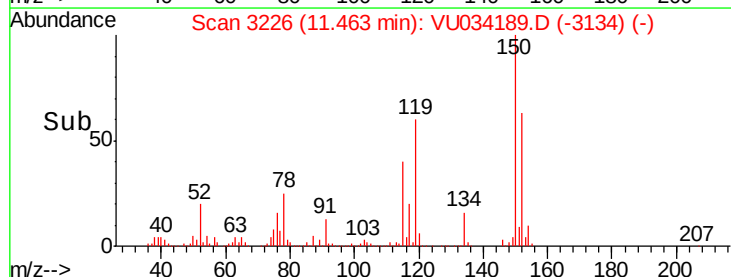
152 100

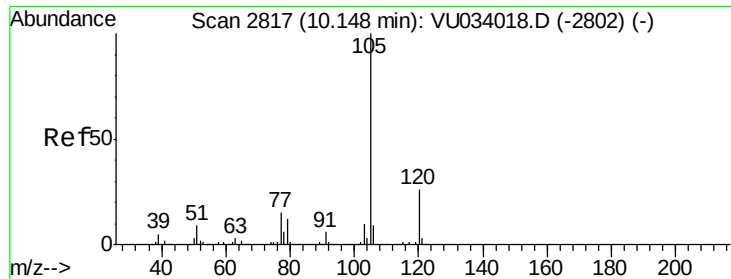
115 65.7 41.1 123.3

150 162.1 0.0 348.8



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: 18.956 ug/l

RT: 10.15 min Scan# 2817

Delta R.T. 0.00 min

Lab File: VU034189.D

Acq: 02 Sep 2019 10:10

Instrument :

MSVOA_U

ClientSampleId :

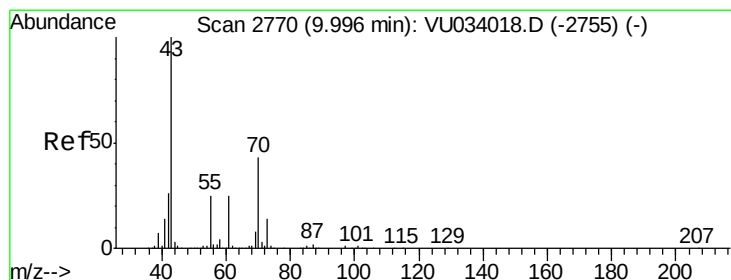
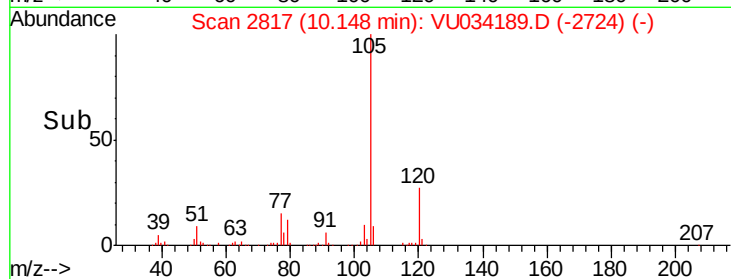
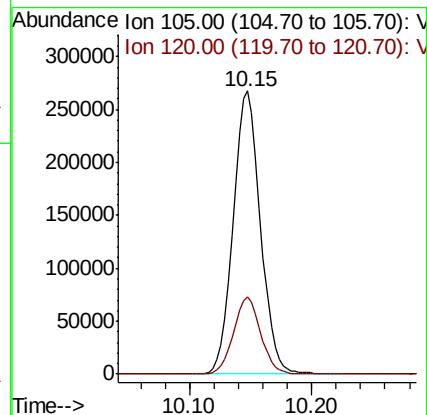
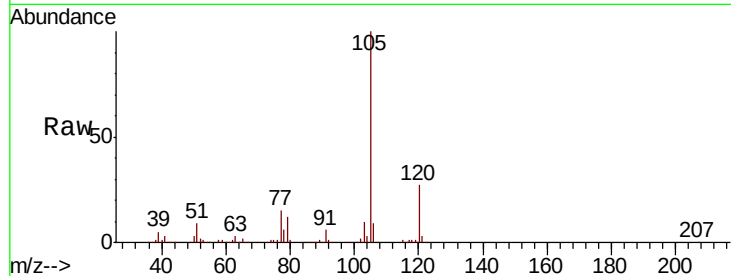
VU0903WBS01

Tgt Ion: 105 Resp: 416614

Ion Ratio Lower Upper

105 100

120 27.1 13.3 39.8



#74

N-amyl acetate

Concen: 18.161 ug/l

RT: 10.00 min Scan# 2770

Delta R.T. -0.00 min

Lab File: VU034189.D

Acq: 02 Sep 2019 10:10

Tgt Ion: 43 Resp: 167871

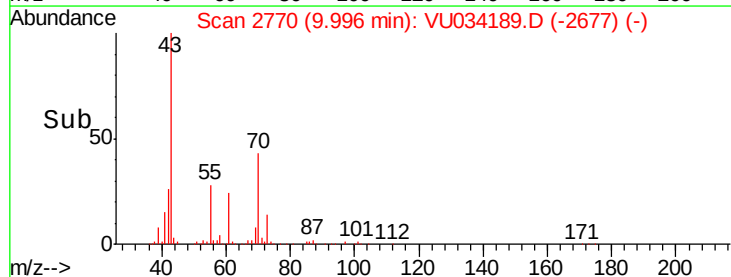
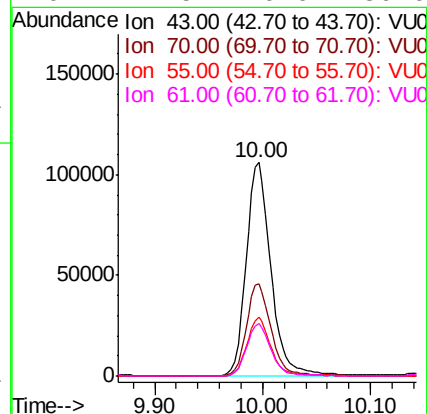
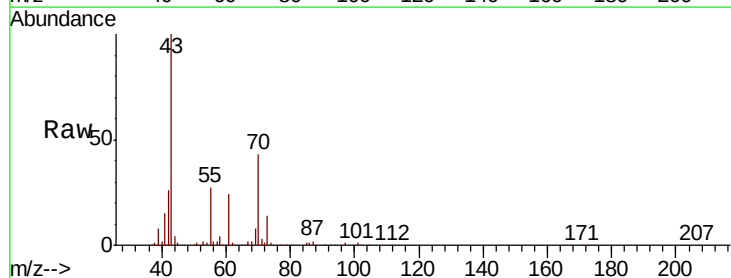
Ion Ratio Lower Upper

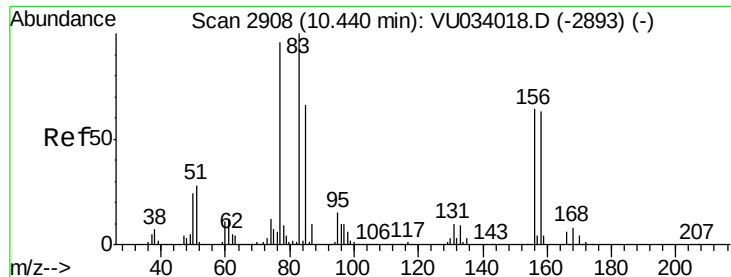
43 100

70 43.7 35.2 52.8

55 27.0 20.5 30.7

61 24.5 20.0 30.0





#75

1,1,2,2-Tetrachloroethane

Concen: 18.757 ug/l

RT: 10.44 min Scan# 2907

Delta R.T. -0.00 min

Lab File: VU034189.D

Acq: 02 Sep 2019 10:10

Instrument :

MSVOA_U

ClientSampleId :

VU0903WBS01

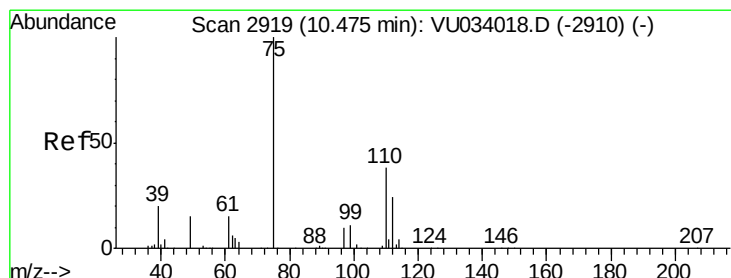
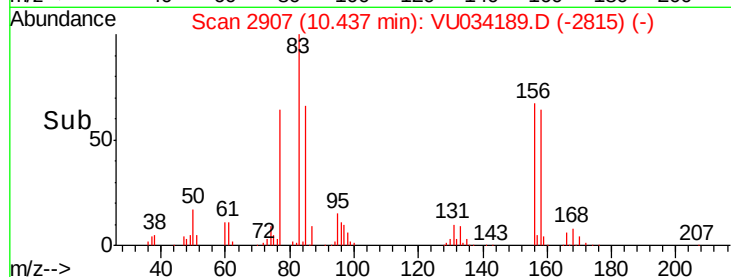
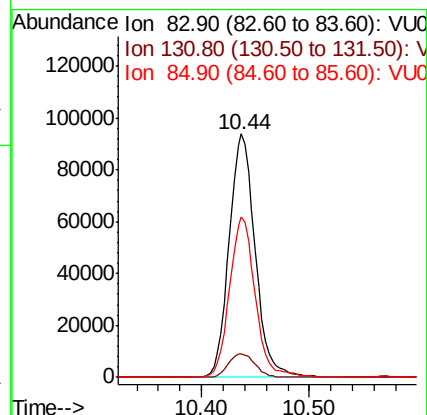
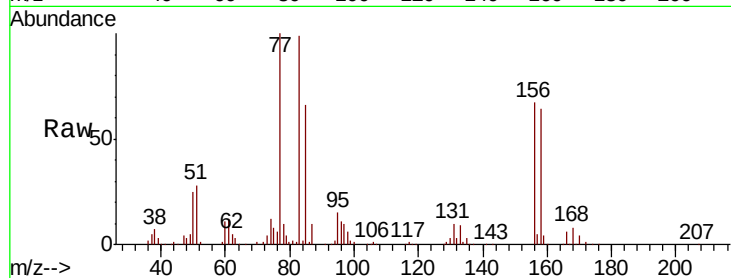
Tgt Ion: 83 Resp: 157785

Ion Ratio Lower Upper

83 100

131 9.9 5.0 14.9

85 64.9 32.2 96.6



#76

1,2,3-Trichloropropane

Concen: 23.439 ug/l

RT: 10.47 min Scan# 2918

Delta R.T. -0.00 min

Lab File: VU034189.D

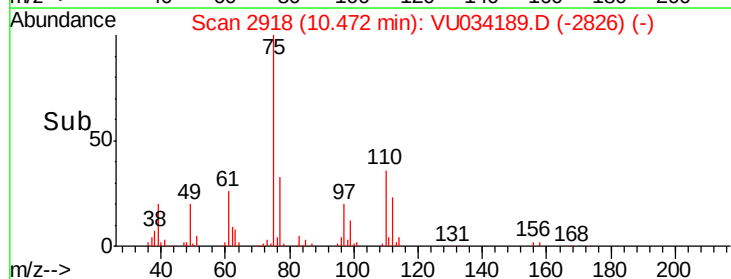
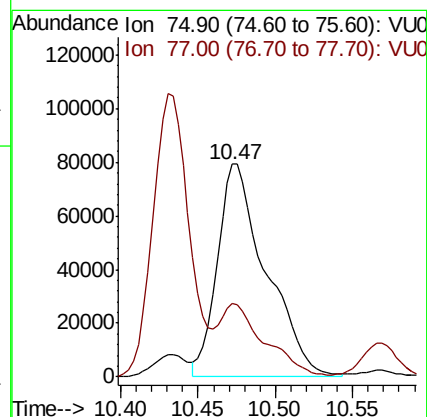
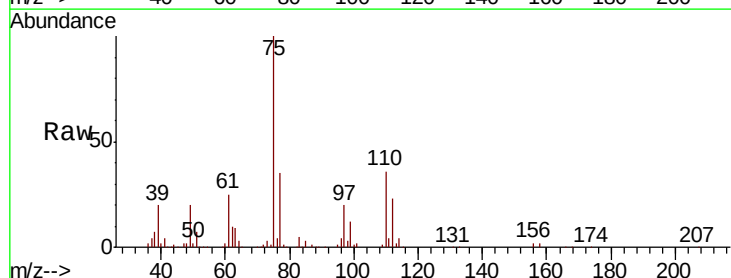
Acq: 02 Sep 2019 10:10

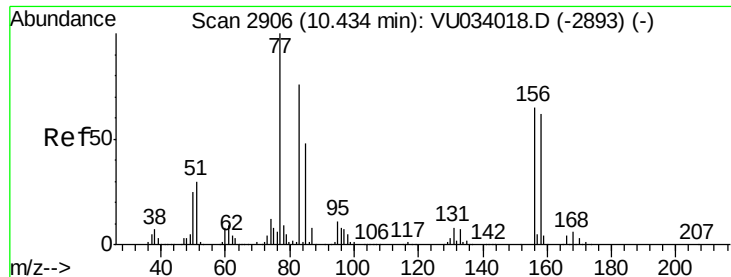
Tgt Ion: 75 Resp: 172848

Ion Ratio Lower Upper

75 100

77 31.9 20.1 60.2





#77

Bromobenzene

Concen: 18.878 ug/l

RT: 10.43 min Scan# 2906

Delta R.T. -0.00 min

Lab File: VU034189.D

Acq: 02 Sep 2019 10:10

Instrument :

MSVOA_U

ClientSampleId :

VU0903WBS01

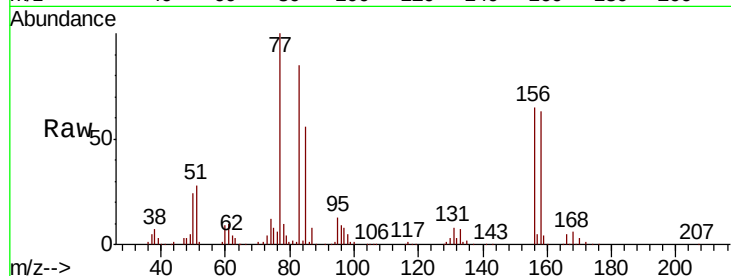
Tgt Ion:156 Resp: 111606

Ion Ratio Lower Upper

156 100

77 155.0 76.8 230.5

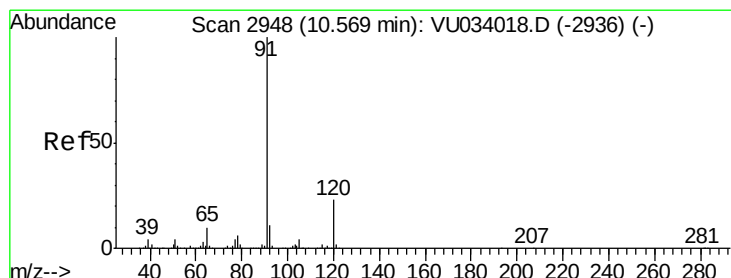
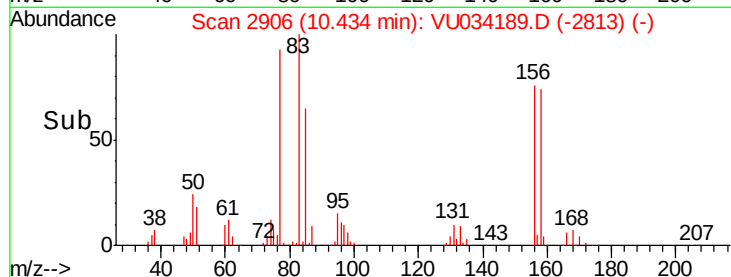
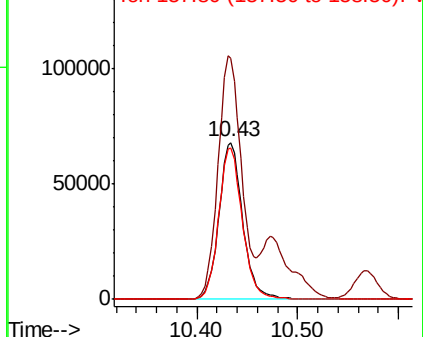
158 96.9 48.4 145.0



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VU0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 19.175 ug/l

RT: 10.57 min Scan# 2948

Delta R.T. 0.00 min

Lab File: VU034189.D

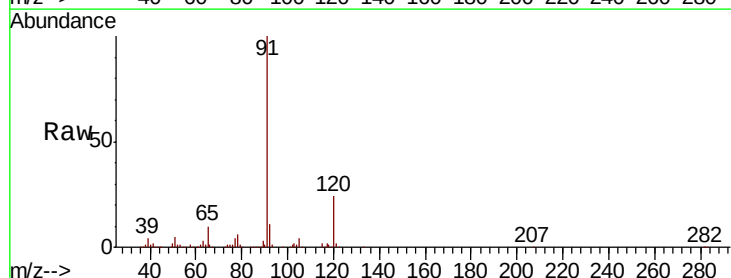
Acq: 02 Sep 2019 10:10

Tgt Ion: 91 Resp: 490774

Ion Ratio Lower Upper

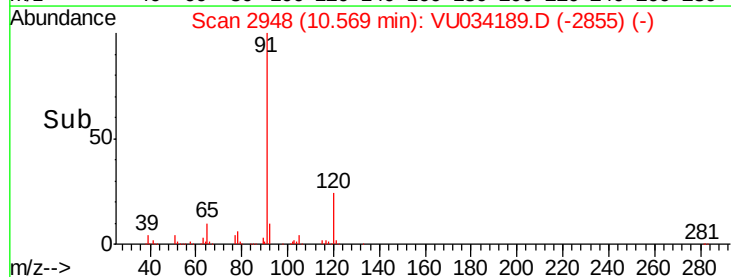
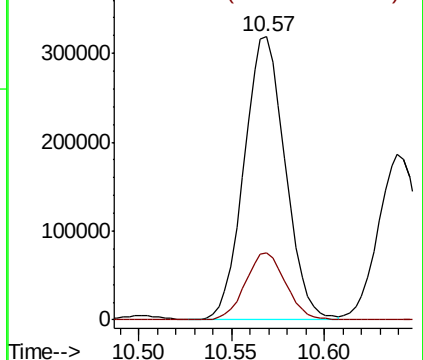
91 100

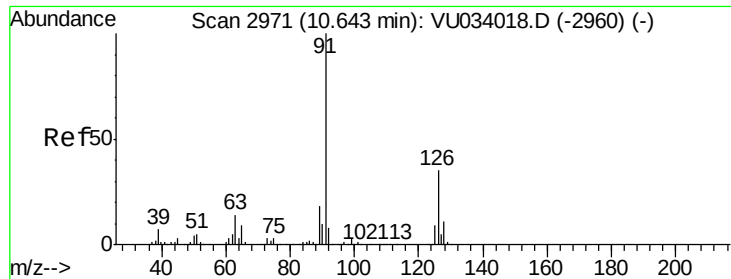
120 23.5 11.7 35.0



Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 19.021 ug/l

RT: 10.64 min Scan# 2970

Delta R.T. -0.00 min

Lab File: VU034189.D

Acq: 02 Sep 2019 10:10

Instrument :

MSVOA_U

ClientSampleId :

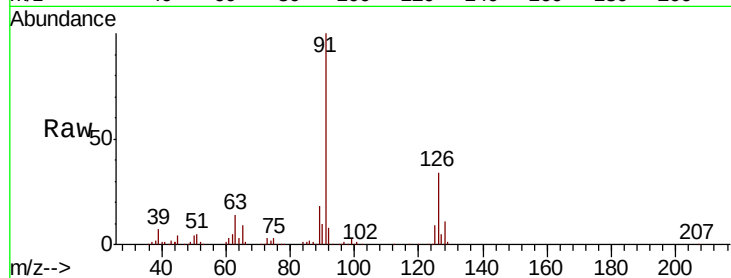
VU0903WBS01

Tgt Ion: 91 Resp: 292017

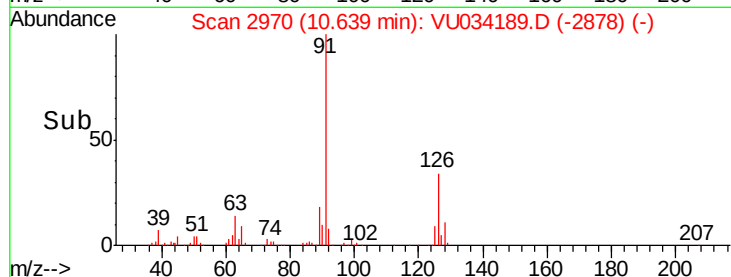
Ion Ratio Lower Upper

91 100

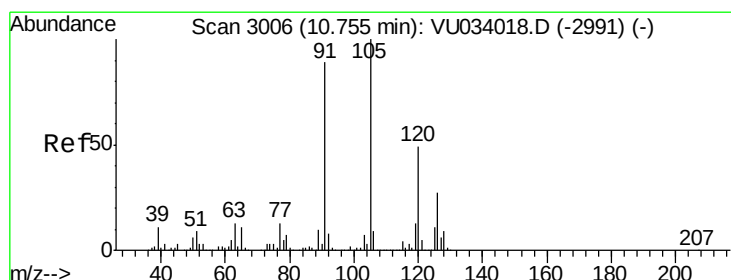
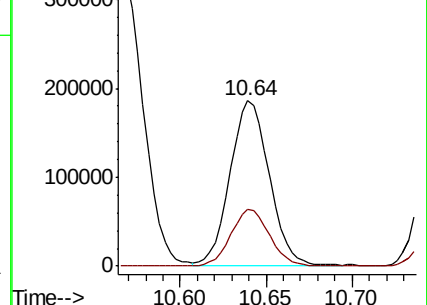
126 34.2 17.1 51.2



Abundance Ion 91.00 (90.70 to 91.70): VU034189.D (-2960) (-)



Ion 125.90 (125.60 to 126.60): VU034189.D (-2878) (-)



#80

1,3,5-Trimethylbenzene

Concen: 19.553 ug/l

RT: 10.75 min Scan# 3005

Delta R.T. -0.00 min

Lab File: VU034189.D

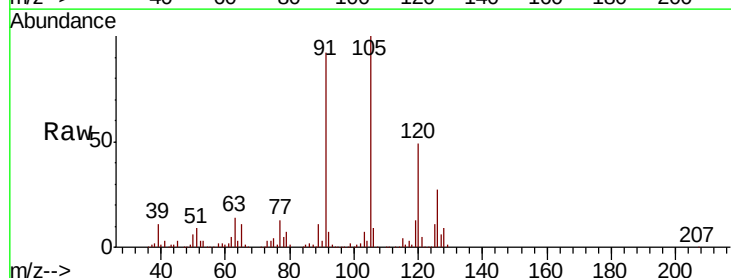
Acq: 02 Sep 2019 10:10

Tgt Ion: 105 Resp: 364221

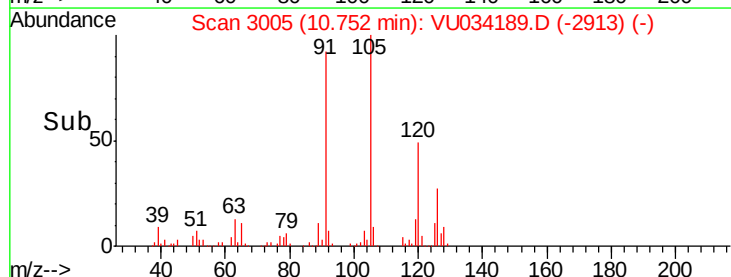
Ion Ratio Lower Upper

105 100

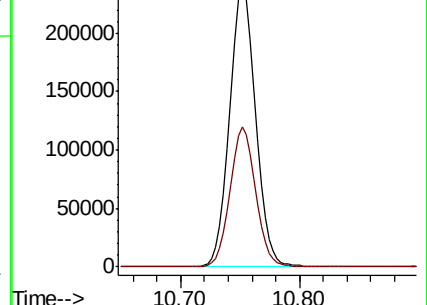
120 49.1 24.6 73.6

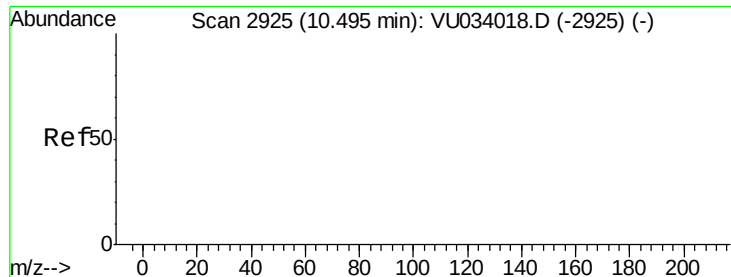


Abundance Ion 105.00 (104.70 to 105.70): VU034189.D (-2991) (-)



Ion 120.00 (119.70 to 120.70): VU034189.D (-2913) (-)

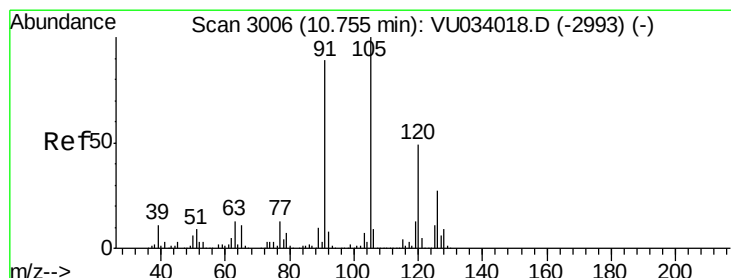
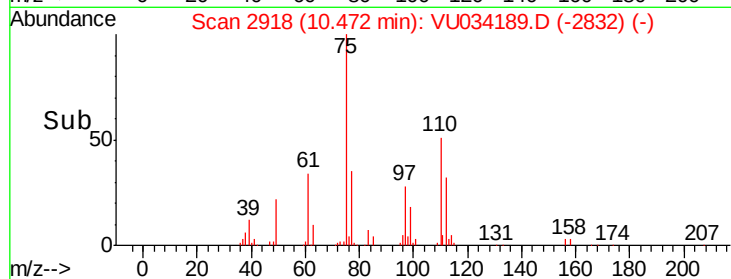
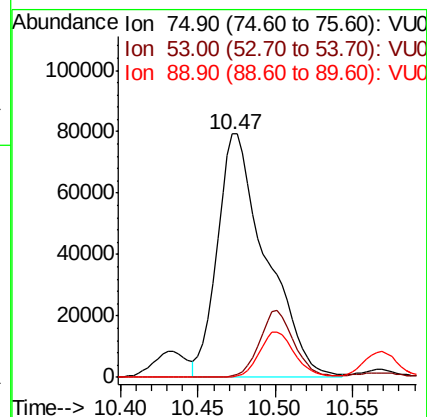
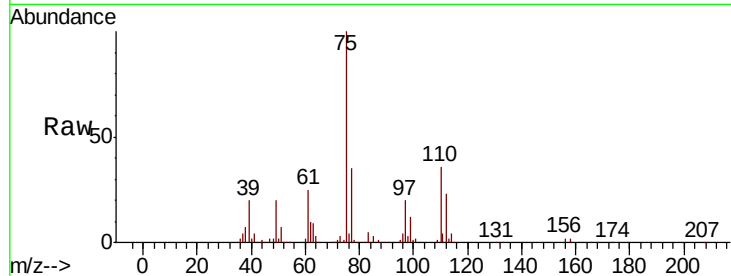




#81
trans-1,4-Dichloro-2-butene
Concen: 79.149 ug/l
RT: 10.47 min Scan# 2918
Delta R.T. -0.02 min
Lab File: VU034189.D
Acq: 02 Sep 2019 10:10

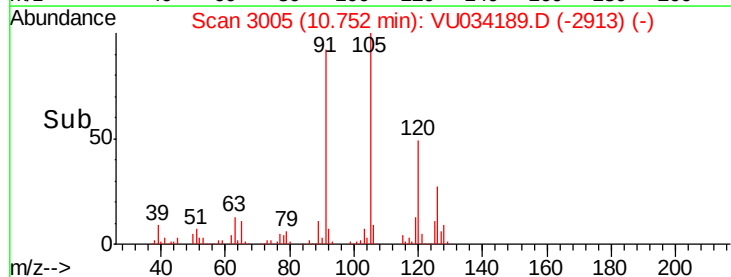
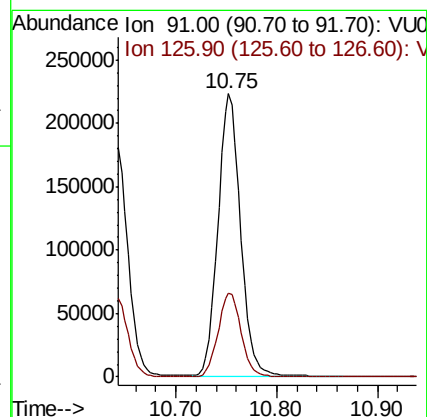
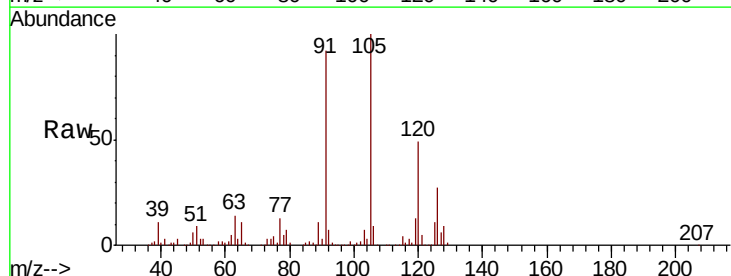
Instrument :
MSVOA_U
ClientSampleId :
VU0903WBS01

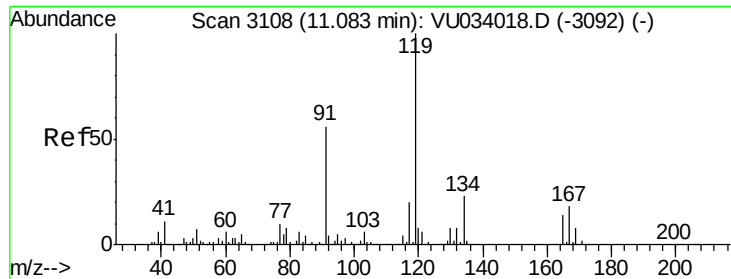
Tgt Ion: 75 Resp: 173342
Ion Ratio Lower Upper
75 100
53 0.0 0.0 0.0
89 0.0 0.0 0.0



#82
4-Chlorotoluene
Concen: 19.622 ug/l
RT: 10.75 min Scan# 3005
Delta R.T. -0.00 min
Lab File: VU034189.D
Acq: 02 Sep 2019 10:10

Tgt Ion: 91 Resp: 346442
Ion Ratio Lower Upper
91 100
126 30.4 15.0 45.1

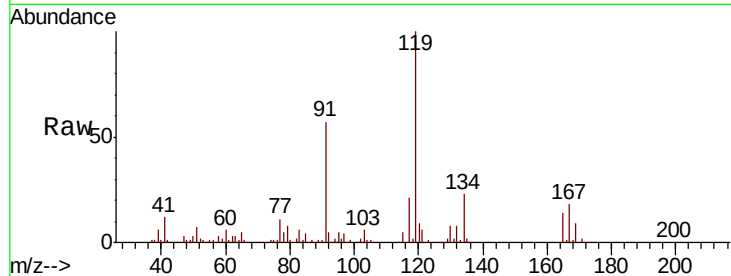




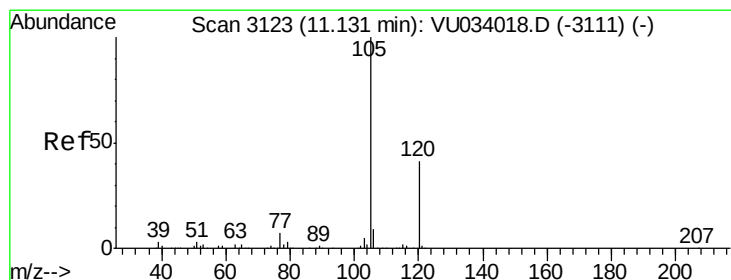
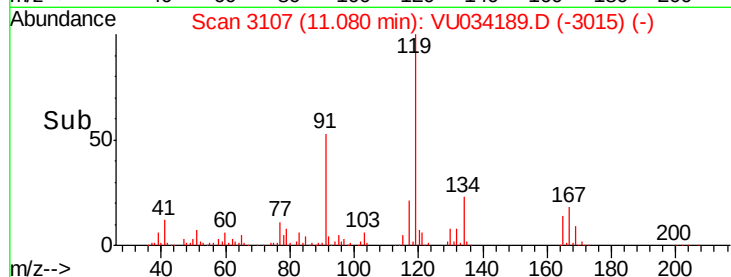
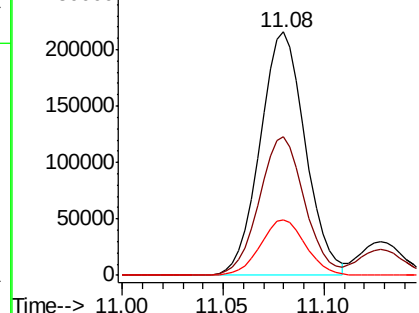
#83
 tert-Butylbenzene
 Concen: 18.379 ug/l
 RT: 11.08 min Scan# 3107
 Delta R.T. -0.00 min
 Lab File: VU034189.D
 Acq: 02 Sep 2019 10:10

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0903WBS01

Tgt Ion:119 Resp: 337016
 Ion Ratio Lower Upper
 119 100
 91 56.8 27.9 83.6
 134 22.9 11.4 34.2

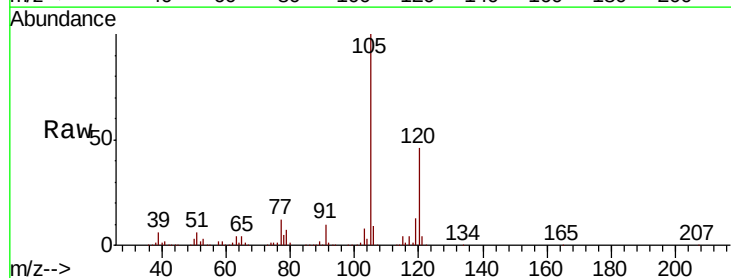


Abundance Ion 119.00 (118.70 to 119.70): V
 Ion 91.00 (90.70 to 91.70): VU0
 Ion 134.00 (133.70 to 134.70): V

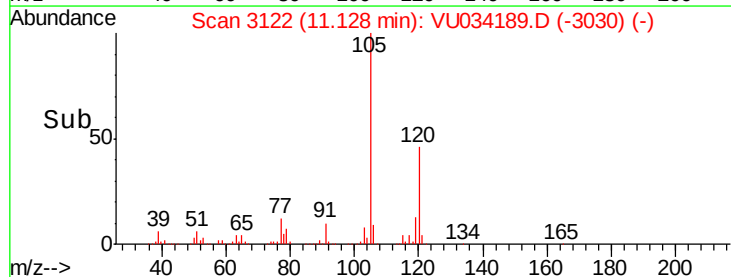
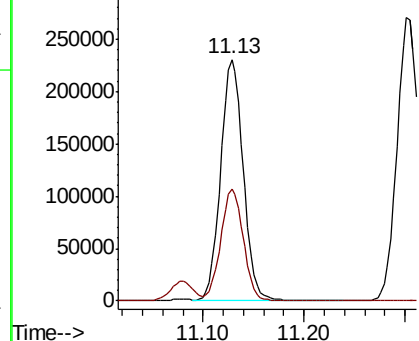


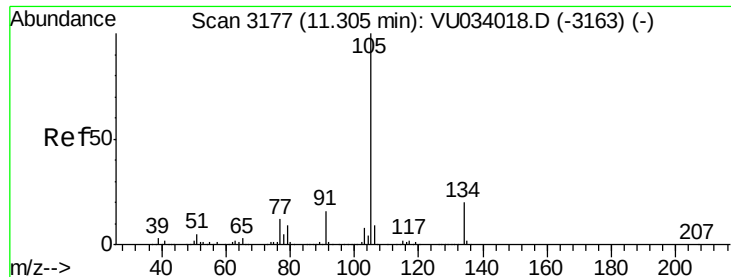
#84
 1,2,4-Trimethylbenzene
 Concen: 19.423 ug/l
 RT: 11.13 min Scan# 3122
 Delta R.T. -0.00 min
 Lab File: VU034189.D
 Acq: 02 Sep 2019 10:10

Tgt Ion:105 Resp: 359264
 Ion Ratio Lower Upper
 105 100
 120 46.4 22.6 67.8



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





#85

sec-Butylbenzene

Concen: 18.888 ug/l

RT: 11.30 min Scan# 3176

Delta R.T. -0.00 min

Lab File: VU034189.D

Acq: 02 Sep 2019 10:10

Instrument :

MSVOA_U

ClientSampleId :

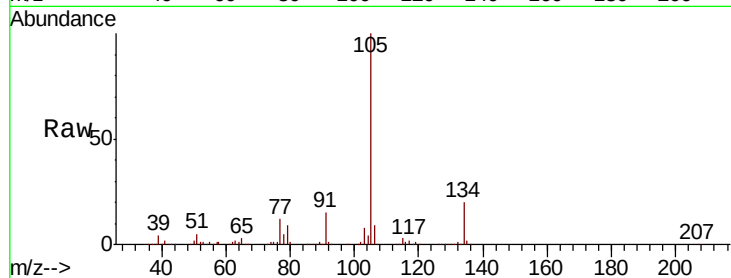
VU0903WBS01

Tgt Ion:105 Resp: 415115

Ion Ratio Lower Upper

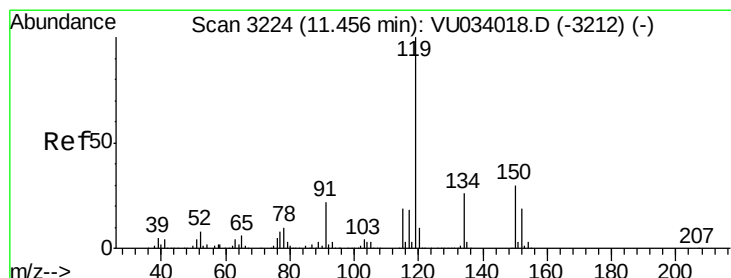
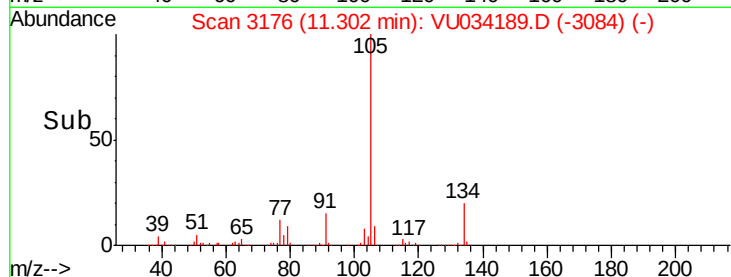
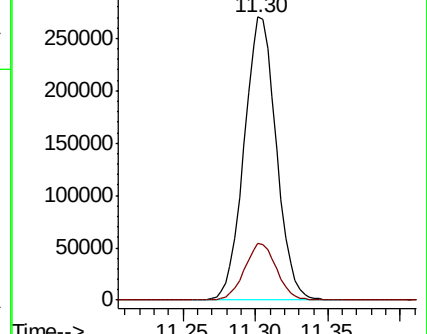
105 100

134 20.0 10.0 30.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 19.301 ug/l

RT: 11.46 min Scan# 3224

Delta R.T. -0.00 min

Lab File: VU034189.D

Acq: 02 Sep 2019 10:10

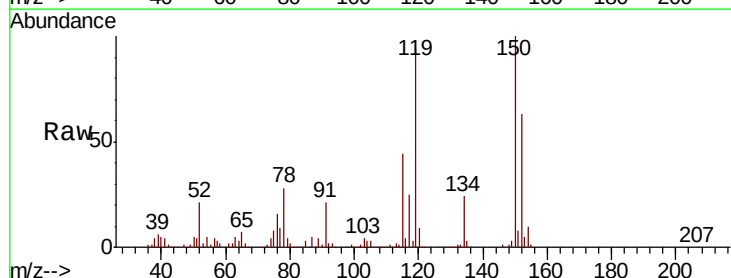
Tgt Ion:119 Resp: 383656

Ion Ratio Lower Upper

119 100

134 26.3 13.1 39.1

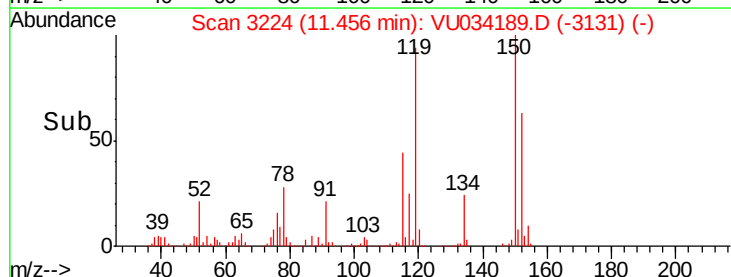
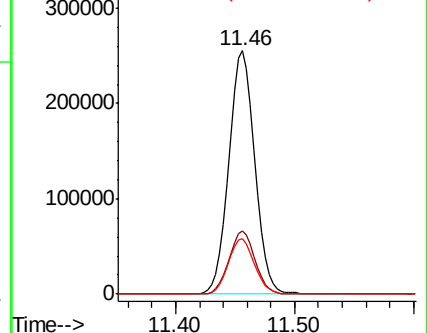
91 23.0 11.2 33.6

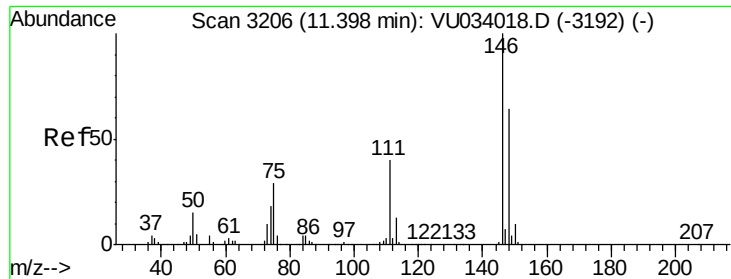


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VU0

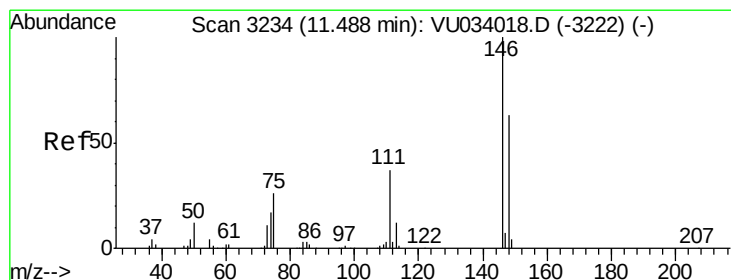
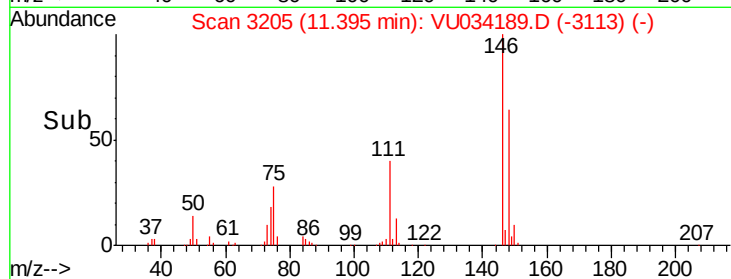
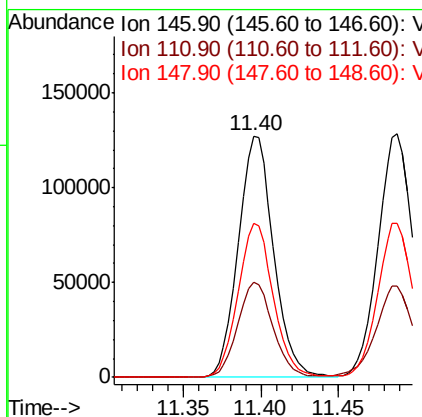
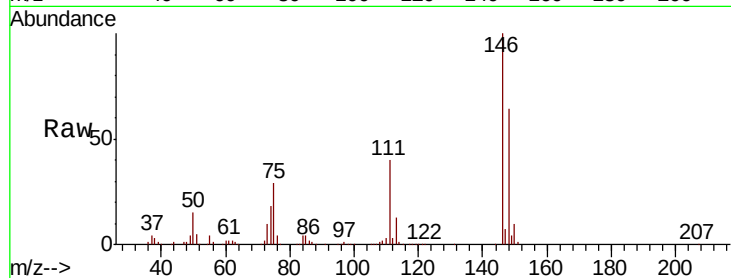




#87
 1,3-Dichlorobenzene
 Concen: 19.318 ug/l
 RT: 11.40 min Scan# 3205
 Delta R.T. -0.00 min
 Lab File: VU034189.D
 Acq: 02 Sep 2019 10:10

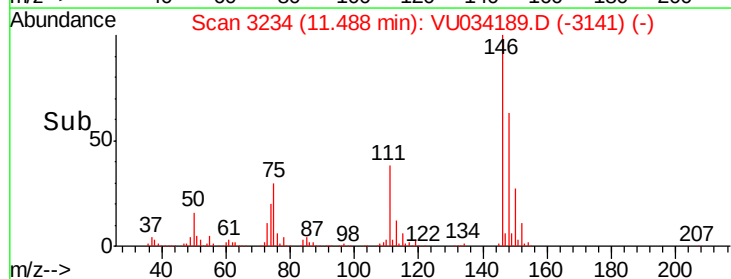
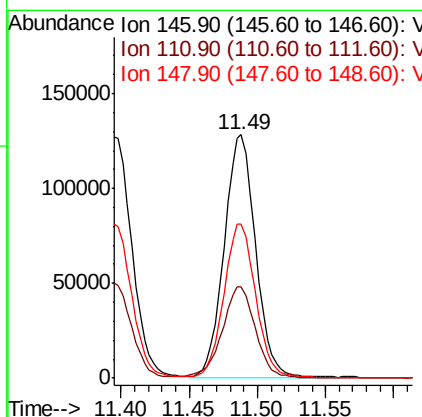
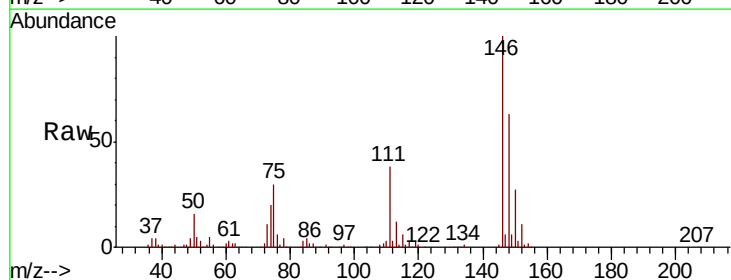
Instrument :
 MSVOA_U
 ClientSampleId :
 VU0903WBS01

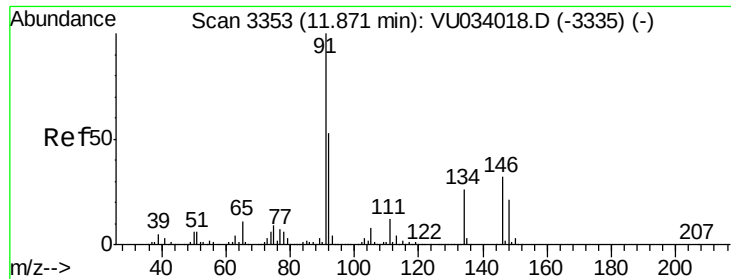
Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.3	19.9	59.6
148	63.6	31.9	95.5



#88
 1,4-Dichlorobenzene
 Concen: 19.313 ug/l
 RT: 11.49 min Scan# 3234
 Delta R.T. 0.00 min
 Lab File: VU034189.D
 Acq: 02 Sep 2019 10:10

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.7	19.2	57.6
148	64.3	31.9	95.9





#89

n-Butylbenzene

Concen: 18.947 ug/l

RT: 11.87 min Scan# 3352

Delta R.T. -0.00 min

Lab File: VU034189.D

Acq: 02 Sep 2019 10:10

Instrument :

MSVOA_U

ClientSampleId :

VU0903WBS01

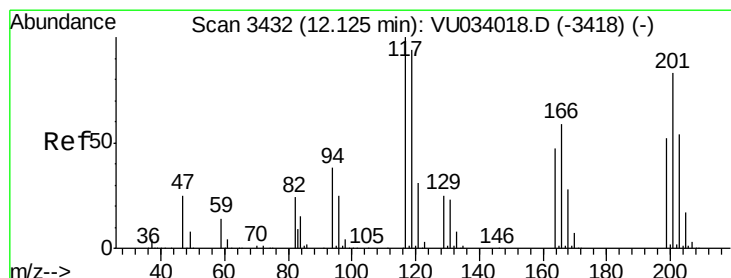
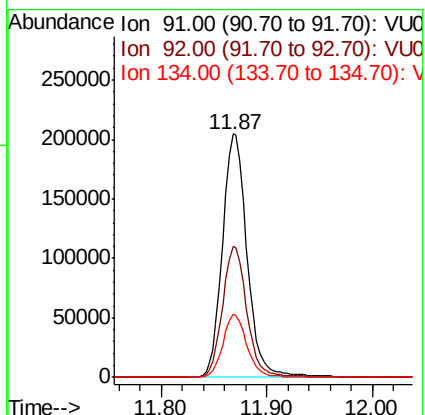
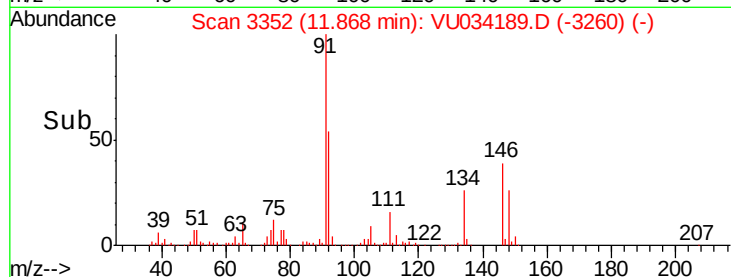
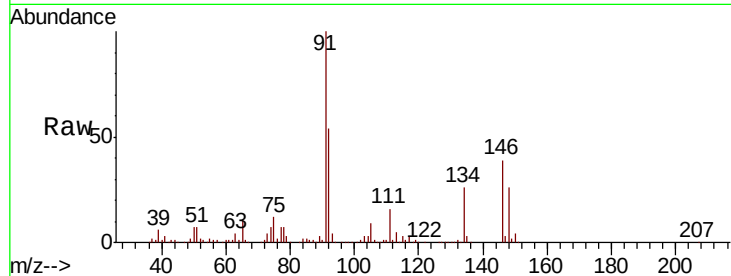
Tgt Ion: 91 Resp: 332048

Ion Ratio Lower Upper

91 100

92 53.2 26.3 78.9

134 25.5 12.9 38.7



#90

Hexachloroethane

Concen: 16.503 ug/l

RT: 12.12 min Scan# 3432

Delta R.T. -0.00 min

Lab File: VU034189.D

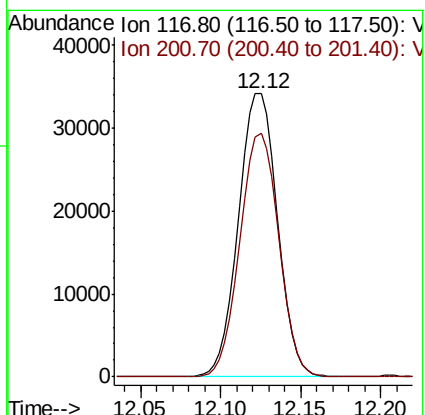
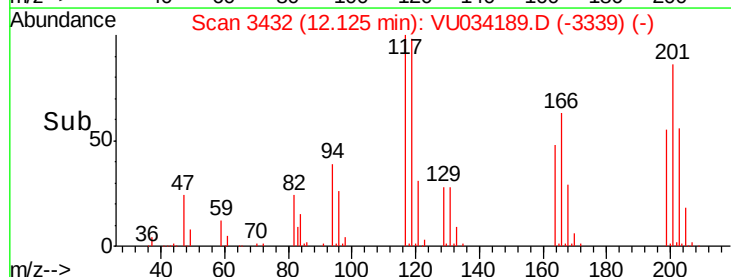
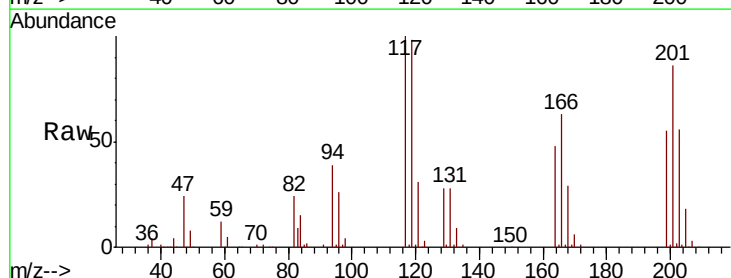
Acq: 02 Sep 2019 10:10

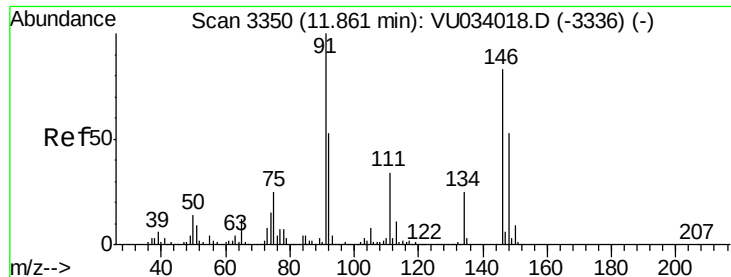
Tgt Ion: 117 Resp: 56717

Ion Ratio Lower Upper

117 100

201 85.9 42.5 127.6

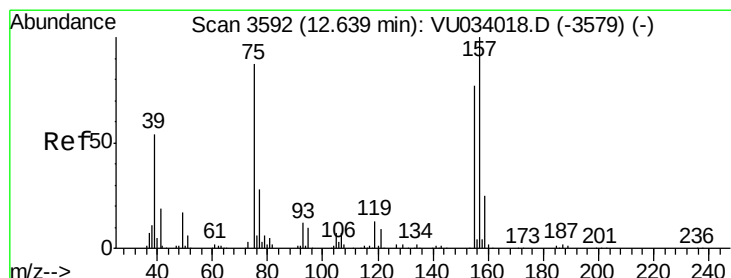
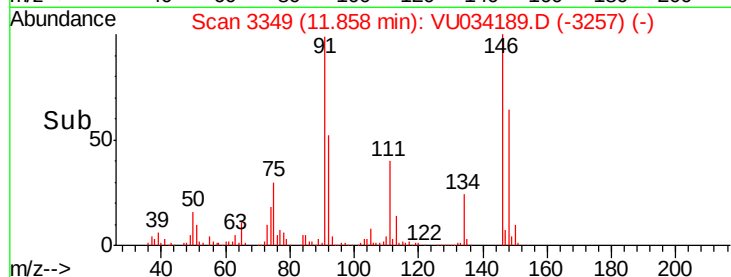
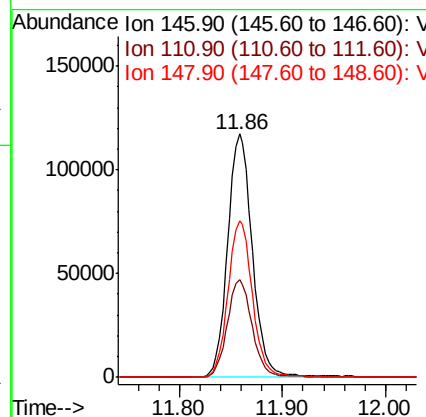
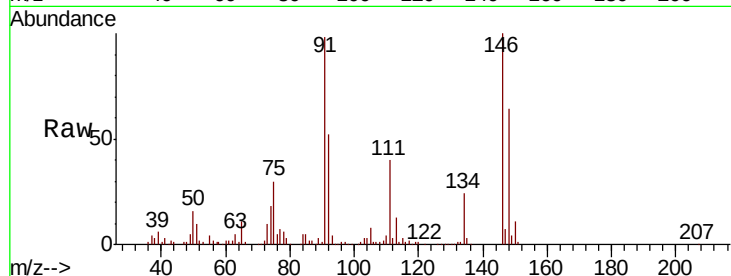




#91
 1,2-Dichlorobenzene
 Concen: 19.559 ug/l
 RT: 11.86 min Scan# 3349
 Delta R.T. -0.00 min
 Lab File: VU034189.D
 Acq: 02 Sep 2019 10:10

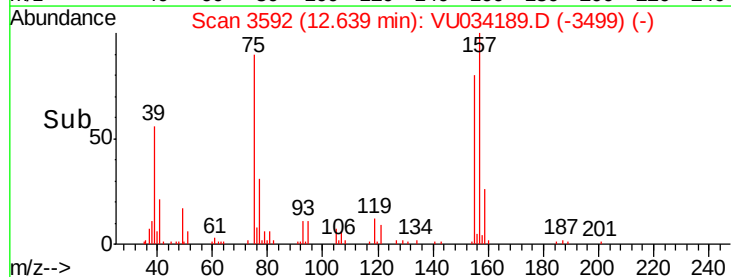
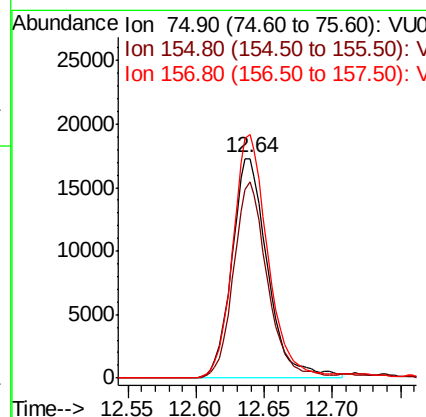
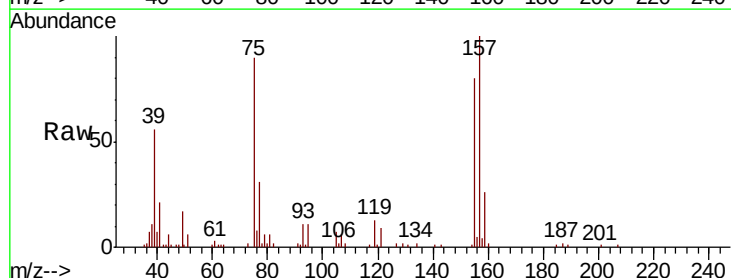
Instrument :
 MSVOA_U
 ClientSampleId :
 VU0903WBS01

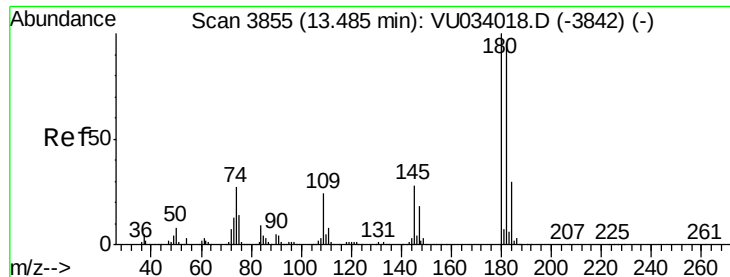
Tgt Ion: 146 Resp: 196099
 Ion Ratio Lower Upper
 146 100
 111 40.5 20.4 61.2
 148 63.6 32.3 96.8



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 18.786 ug/l
 RT: 12.64 min Scan# 3592
 Delta R.T. -0.00 min
 Lab File: VU034189.D
 Acq: 02 Sep 2019 10:10

Tgt Ion: 75 Resp: 31482
 Ion Ratio Lower Upper
 75 100
 155 84.3 43.5 130.7
 157 109.2 56.9 170.6

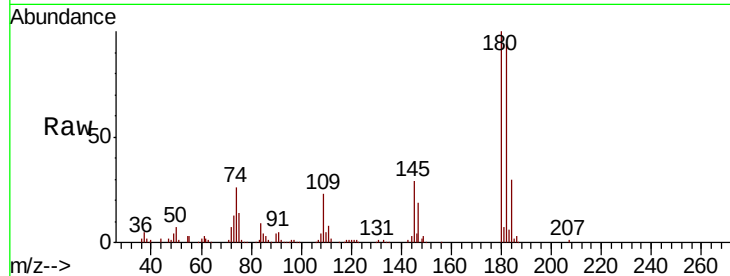




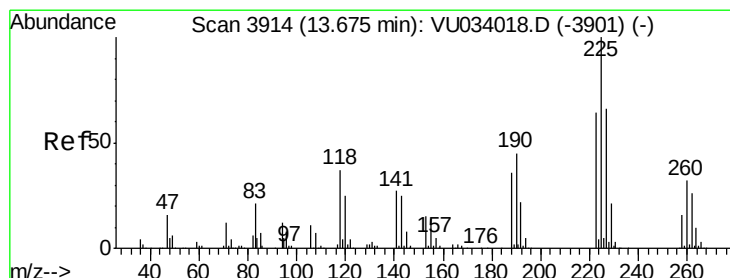
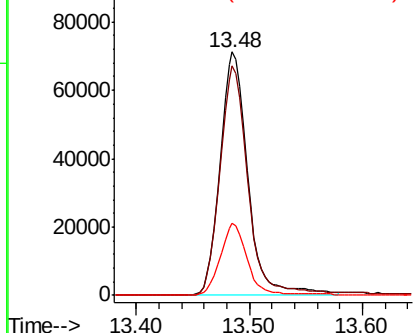
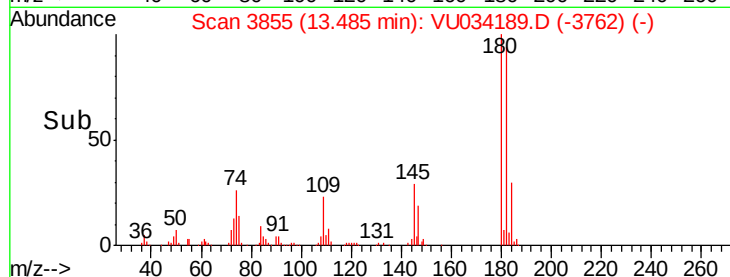
#93
 1,2,4-Trichlorobenzene
 Concen: 17.818 ug/l
 RT: 13.48 min Scan# 3855
 Delta R.T. 0.00 min
 Lab File: VU034189.D
 Acq: 02 Sep 2019 10:10

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0903WBS01

Tgt Ion:180 Resp: 121842
 Ion Ratio Lower Upper
 180 100
 182 95.5 47.4 142.2
 145 28.8 14.1 42.3

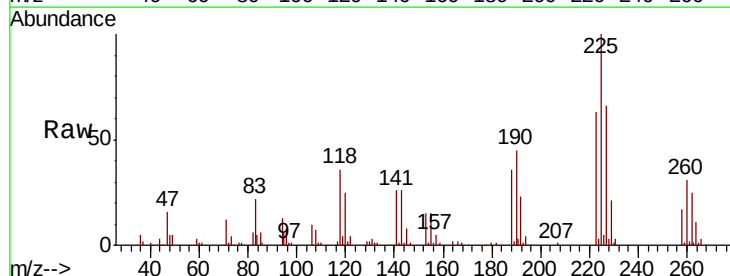


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

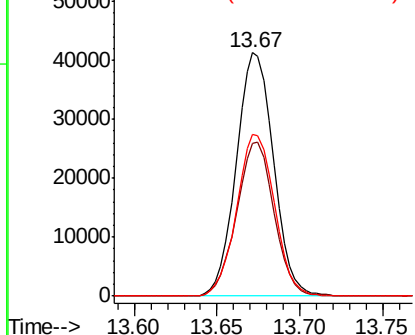
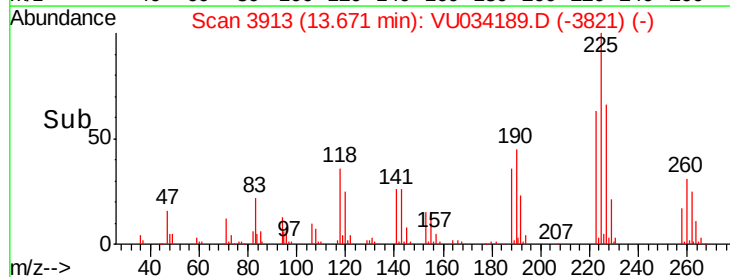


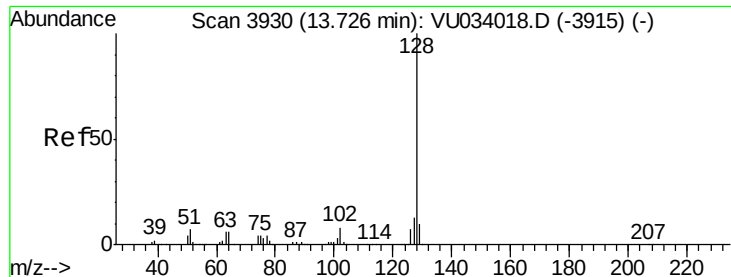
#94
 Hexachlorobutadiene
 Concen: 16.488 ug/l
 RT: 13.67 min Scan# 3913
 Delta R.T. -0.00 min
 Lab File: VU034189.D
 Acq: 02 Sep 2019 10:10

Tgt Ion:225 Resp: 64670
 Ion Ratio Lower Upper
 225 100
 223 63.5 31.8 95.3
 227 67.6 32.6 97.8



Abundance Ion 224.70 (224.40 to 225.40): V
 Ion 222.70 (222.40 to 223.40): V
 Ion 226.70 (226.40 to 227.40): V

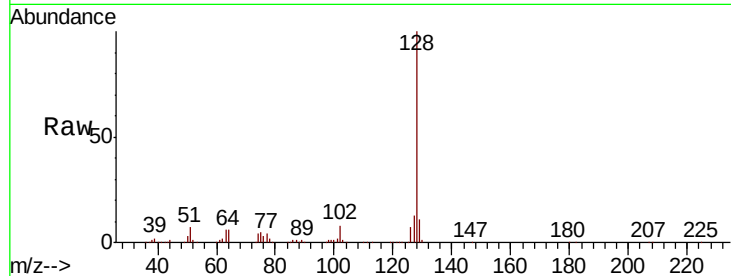




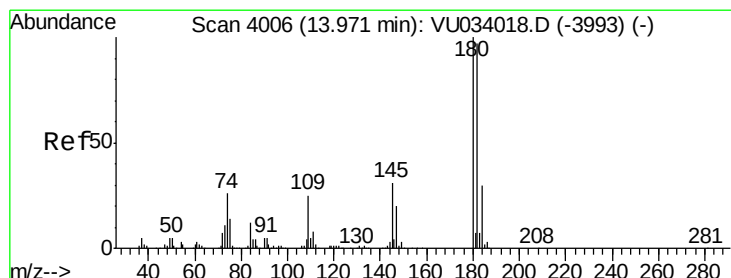
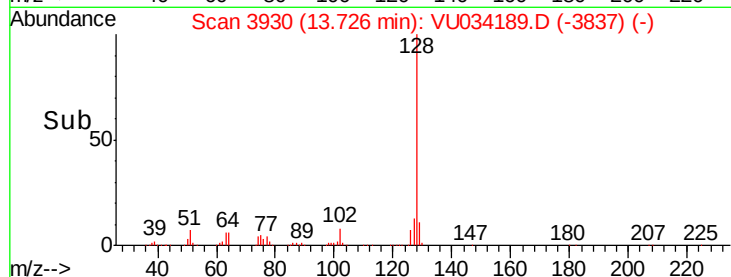
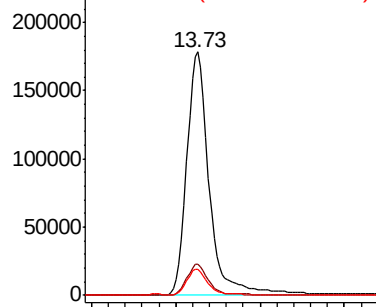
#95
Naphthalene
Concen: 17.492 ug/l
RT: 13.73 min Scan# 3930
Delta R.T. 0.00 min
Lab File: VU034189.D
Acq: 02 Sep 2019 10:10

Instrument :
MSVOA_U
ClientSampleId :
VU0903WBS01

Tgt Ion:128 Resp: 332601
Ion Ratio Lower Upper
128 100
127 12.6 10.2 15.4
129 9.9 8.4 12.6

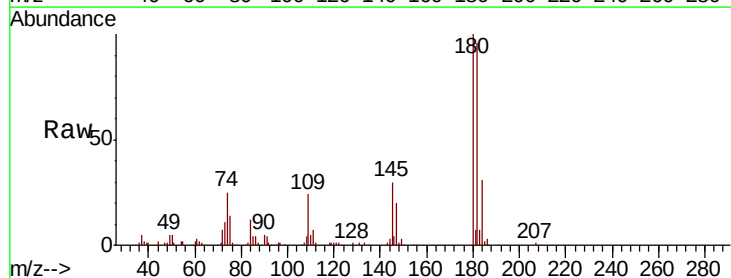


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96
1,2,3-Trichlorobenzene
Concen: 19.012 ug/l
RT: 13.97 min Scan# 4006
Delta R.T. -0.00 min
Lab File: VU034189.D
Acq: 02 Sep 2019 10:10

Tgt Ion:180 Resp: 122110
Ion Ratio Lower Upper
180 100
182 97.0 48.2 144.6
145 30.4 15.5 46.5



Abundance Ion 179.80 (179.50 to 180.50): V
Ion 181.80 (181.50 to 182.50): V
Ion 144.90 (144.60 to 145.60): V

