

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU090219\
 Data File : VU034136.D
 Acq On : 31 Aug 2019 21:30
 Operator : JC/SP
 Sample : VU0902WBSD01
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0902WBSD01

Quant Time: Sep 01 04:50:46 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	406669	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.86	114	652150	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.07	117	623802	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.46	152	333811	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.29	65	259673	49.83	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.66%	
35) Dibromofluoromethane	4.86	113	218222	48.24	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.48%	
50) Toluene-d8	7.55	98	854612	50.46	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.92%	
62) 4-Bromofluorobenzene	10.29	95	313810	47.63	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.26%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.20	85	85425	20.887	ug/l	100
3) Chloromethane	1.32	50	107941	18.442	ug/l	98
4) Vinyl Chloride	1.40	62	111260	20.439	ug/l	98
5) Bromomethane	1.62	94	63533	20.862	ug/l	98
6) Chloroethane	1.69	64	69227	20.802	ug/l	100
7) Trichlorofluoromethane	1.88	101	134205	21.278	ug/l	98
8) Diethyl Ether	2.09	74	58206	21.572	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	2.28	101	83199	20.822	ug/l	97
10) Methyl Iodide	2.40	142	61729	10.890	ug/l	97
11) Tert butyl alcohol	2.81	59	118509	98.623	ug/l	100
12) 1,1-Dichloroethene	2.27	96	86801	21.321	ug/l	99
13) Acrolein	2.18	56	30981	61.288	ug/l	99
14) Allyl chloride	2.58	41	140586	18.366	ug/l	93
15) Acrylonitrile	2.92	53	302698	109.777	ug/l	100
16) Acetone	2.31	43	252318	94.900	ug/l	99
17) Carbon Disulfide	2.47	76	244424	18.970	ug/l	100
18) Methyl Acetate	2.60	43	143625	20.904	ug/l	99
19) Methyl tert-butyl Ether	2.98	73	295436	22.148	ug/l	100
20) Methylene Chloride	2.69	84	104720	20.805	ug/l	99
21) trans-1,2-Dichloroethene	2.97	96	93655	21.197	ug/l	97
22) Diisopropyl ether	3.55	45	311720	22.224	ug/l	97
23) Vinyl Acetate	3.50	43	1288303	106.923	ug/l	100
24) 1,1-Dichloroethane	3.43	63	181154	21.876	ug/l	100
25) 2-Butanone	4.24	43	394763	106.719	ug/l	97
26) 2,2-Dichloropropane	4.21	77	116853	17.342	ug/l	97
27) cis-1,2-Dichloroethene	4.20	96	107720	21.721	ug/l	97
28) Bromochloromethane	4.53	49	81579	19.996	ug/l	100
29) Tetrahydrofuran	4.61	42	256252	112.331	ug/l	99
30) Chloroform	4.65	83	175983	21.300	ug/l	98
31) Cyclohexane	4.97	56	156928	20.168	ug/l	99
32) 1,1,1-Trichloroethane	4.89	97	146658	21.673	ug/l	99
36) 1,1-Dichloropropene	5.12	75	125800	20.394	ug/l	100
37) Ethyl Acetate	4.36	43	144449	20.912	ug/l	100
38) Carbon Tetrachloride	5.11	117	123083	20.672	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.40	83	139322	19.163	ug/l	99
40) Benzene	5.37	78	391745	20.990	ug/l	100
41) Methacrylonitrile	4.52	41	77759	21.950	ug/l	98
42) 1,2-Dichloroethane	5.38	62	137262	21.299	ug/l	98
43) Isopropyl Acetate	5.53	43	220003	20.935	ug/l	99
44) Trichloroethene	6.17	130	107991	22.035	ug/l	96
45) 1,2-Dichloropropane	6.41	63	109305	21.276	ug/l	99
46) Dibromomethane	6.54	93	69560	21.016	ug/l	99
47) Bromodichloromethane	6.74	83	137384	21.215	ug/l	98
48) Methyl methacrylate	6.60	41	102961	20.304	ug/l	97
49) 1,4-Dioxane	6.59	88	44580	350.860	ug/l	99
51) 4-Methyl-2-Pentanone	7.44	43	758880	104.565	ug/l	100
52) Toluene	7.62	92	249356	21.689	ug/l	99
53) t-1,3-Dichloropropene	7.86	75	140103	19.498	ug/l	100
54) cis-1,3-Dichloropropene	7.25	75	158636	20.208	ug/l	99
55) 1,1,2-Trichloroethane	8.05	97	102573	21.092	ug/l	100
56) Ethyl methacrylate	8.00	69	148551	19.030	ug/l	98
57) 1,3-Dichloropropane	8.22	76	174400	21.121	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.11	63	222668	82.764	ug/l	99
59) 2-Hexanone	8.34	43	574264	104.816	ug/l	99
60) Dibromochloromethane	8.46	129	108683	20.820	ug/l	99
61) 1,2-Dibromoethane	8.57	107	106840	20.856	ug/l	98
64) Tetrachloroethene	8.21	164	97574	23.292	ug/l	98
65) Chlorobenzene	9.10	112	271985	21.187	ug/l	98
66) 1,1,1,2-Tetrachloroethane	9.19	131	95367	20.487	ug/l	99
67) Ethyl Benzene	9.23	91	462592	21.258	ug/l	99
68) m/p-Xylenes	9.36	106	354256	42.814	ug/l	99
69) o-Xylene	9.76	106	168805	21.265	ug/l	100
70) Styrene	9.77	104	295807	21.733	ug/l	99
71) Bromoform	9.94	173	80392	19.878	ug/l #	97
73) Isopropylbenzene	10.15	105	457577	20.408	ug/l	100
74) N-amyl acetate	10.00	43	190097	20.158	ug/l	99
75) 1,1,2,2-Tetrachloroethane	10.44	83	172225	20.068	ug/l	100
76) 1,2,3-Trichloropropane	10.48	75	185371	24.639	ug/l	89
77) Bromobenzene	10.43	156	122996	20.392	ug/l	98
78) n-propylbenzene	10.57	91	534892	20.484	ug/l	100
79) 2-Chlorotoluene	10.64	91	328346	20.964	ug/l	99
80) 1,3,5-Trimethylbenzene	10.75	105	399747	21.035	ug/l	100
81) trans-1,4-Dichloro-2-buten	10.48	75	186030	83.260	ug/l #	100
82) 4-Chlorotoluene	10.75	91	376711	20.913	ug/l	99
83) tert-Butylbenzene	11.08	119	366915	19.613	ug/l	98
84) 1,2,4-Trimethylbenzene	11.13	105	398819	21.134	ug/l	100
85) sec-Butylbenzene	11.31	105	451118	20.119	ug/l	100
86) p-Isopropyltoluene	11.46	119	414627	20.446	ug/l	99
87) 1,3-Dichlorobenzene	11.40	146	223999	20.978	ug/l	99
88) 1,4-Dichlorobenzene	11.49	146	225042	20.839	ug/l	98
89) n-Butylbenzene	11.87	91	358966	20.077	ug/l	99
90) Hexachloroethane	12.12	117	58900	16.799	ug/l	97
91) 1,2-Dichlorobenzene	11.86	146	220348	21.542	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.64	75	33883	19.818	ug/l	99

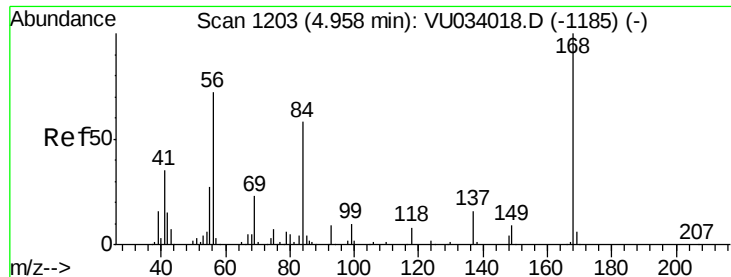
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU090219\
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Quant Title : SW846 8260
QLast Update : Thu Aug 29 04:11:12 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.49	180	139825	19.904	ug/l	99
94) Hexachlorobutadiene	13.67	225	67769	16.936	ug/l	99
95) Naphthalene	13.73	128	406679	20.609	ug/l	99
96) 1,2,3-Trichlorobenzene	13.97	180	145539	22.211	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.96 min Scan# 1204

Delta R.T. 0.00 min

Lab File: VU034136.D

Acq: 31 Aug 2019 21:30

Instrument :

MSVOA_U

ClientSampleId :

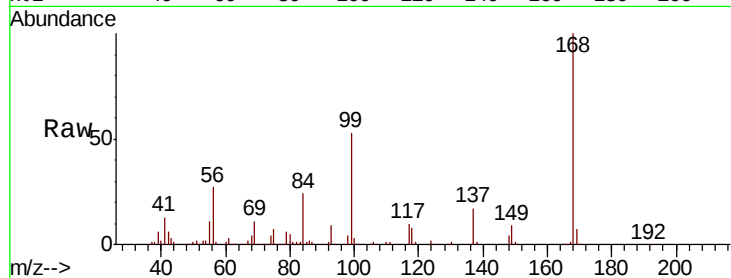
VU0902WBSD01

Tgt Ion:168 Resp: 406669

Ion Ratio Lower Upper

168 100

99 52.7 42.3 63.5



Abundance Ion 167.90 (167.60 to 168.60): VU034018.D (-1185) (-)

Ion 98.90 (98.60 to 99.60): VU034018.D (-1185) (-)

4.96

150000

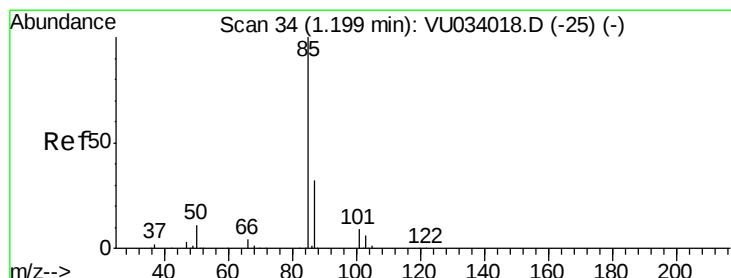
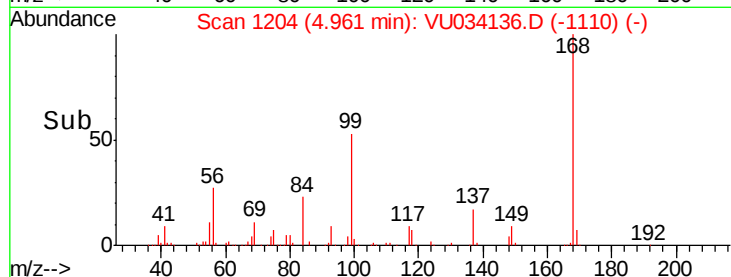
100000

50000

0

4.90 5.00 5.10

Time-->



#2

Dichlorodifluoromethane

Concen: 20.887 ug/l

RT: 1.20 min Scan# 35

Delta R.T. 0.00 min

Lab File: VU034136.D

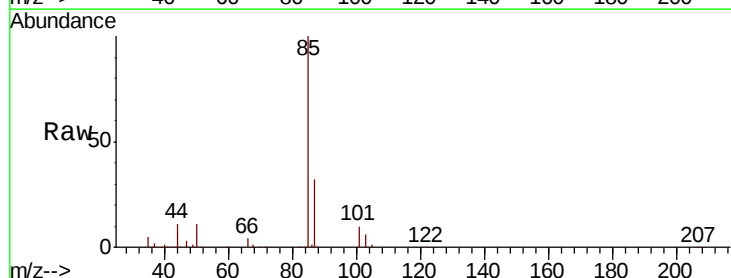
Acq: 31 Aug 2019 21:30

Tgt Ion: 85 Resp: 85425

Ion Ratio Lower Upper

85 100

87 32.4 16.1 48.3



Abundance Ion 84.90 (84.60 to 85.60): VU034018.D (-25) (-)

Ion 86.90 (86.60 to 87.60): VU034018.D (-25) (-)

1.20

100000

80000

60000

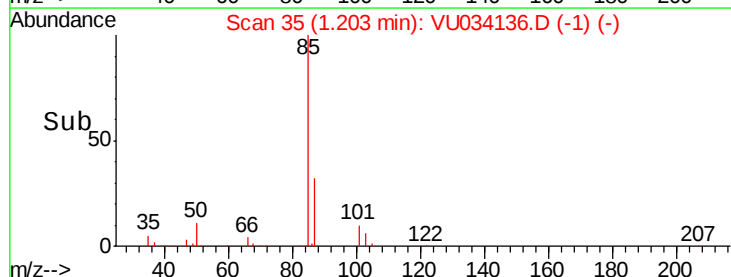
40000

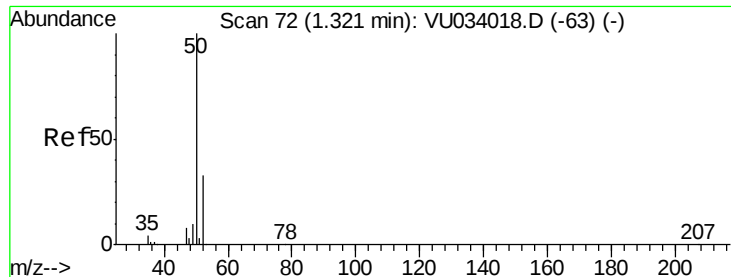
20000

0

1.15 1.20 1.25

Time-->





#3

Chloromethane

Concen: 18.442 ug/l

RT: 1.32 min Scan# 73

Delta R.T. 0.00 min

Lab File: VU034136.D

Acq: 31 Aug 2019 21:30

Instrument :

MSVOA_U

ClientSampleId :

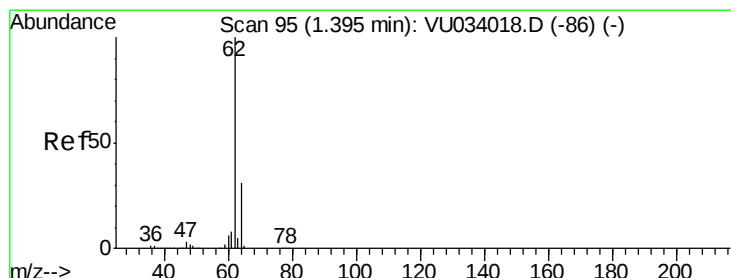
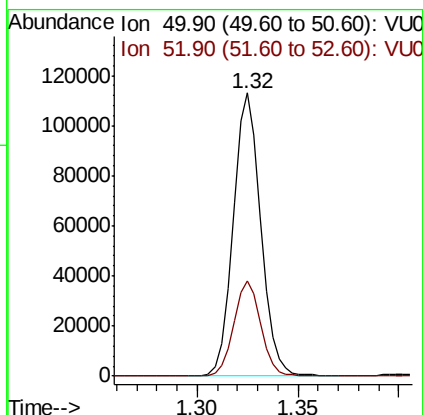
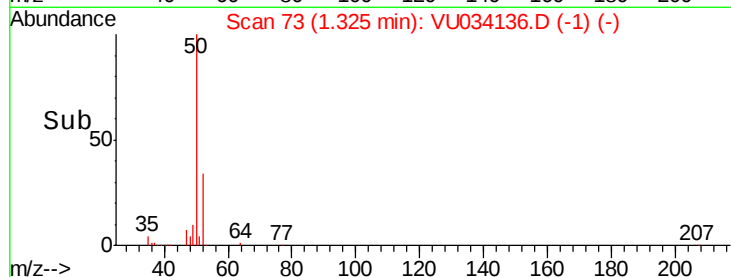
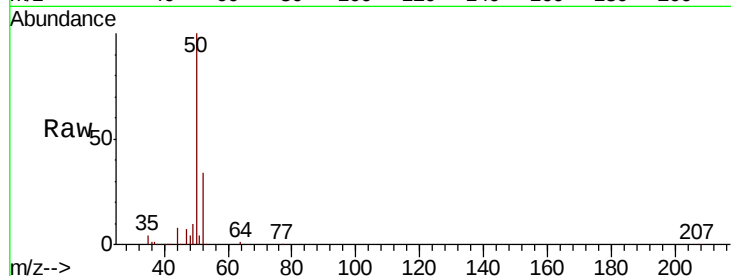
VU0902WBSD01

Tgt Ion: 50 Resp: 107941

Ion Ratio Lower Upper

50 100

52 33.8 26.2 39.4



#4

Vinyl Chloride

Concen: 20.439 ug/l

RT: 1.40 min Scan# 96

Delta R.T. 0.00 min

Lab File: VU034136.D

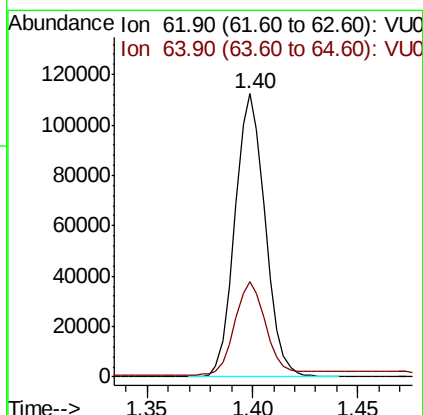
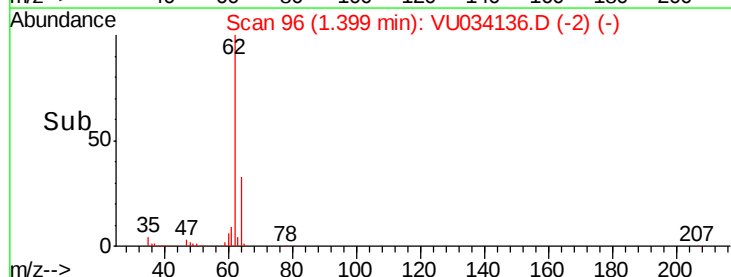
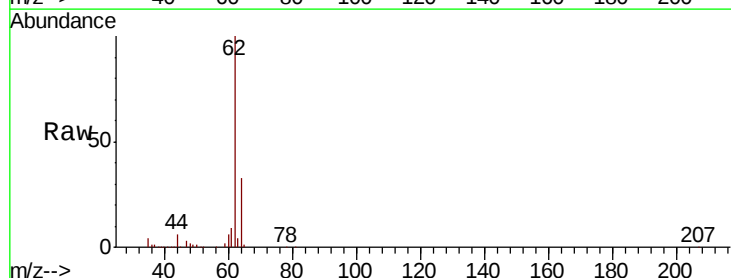
Acq: 31 Aug 2019 21:30

Tgt Ion: 62 Resp: 111260

Ion Ratio Lower Upper

62 100

64 32.6 25.0 37.6





#5

Bromomethane

Concen: 20.862 ug/l

RT: 1.62 min Scan# 165

Delta R.T. 0.02 min

Lab File: VU034136.D

Acq: 31 Aug 2019 21:30

Instrument :

MSVOA_U

ClientSampleId :

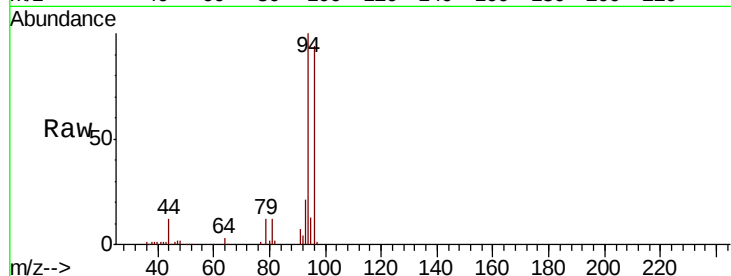
VU0902WBSD01

Tgt Ion: 94 Resp: 63533

Ion Ratio Lower Upper

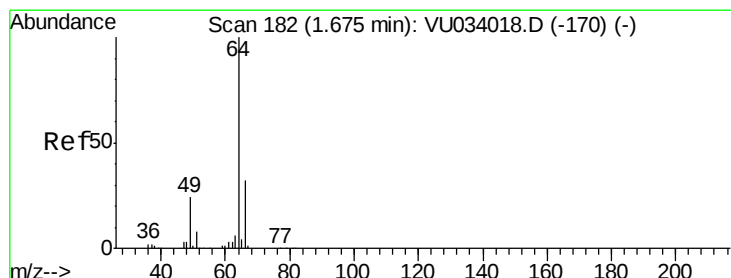
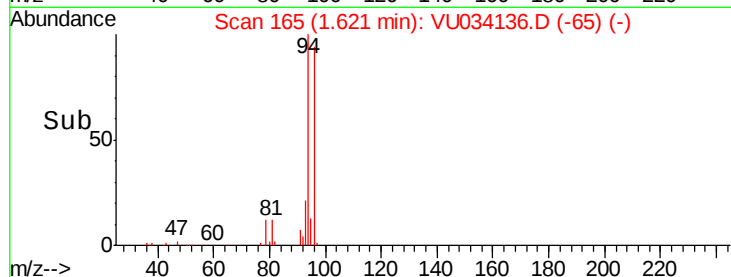
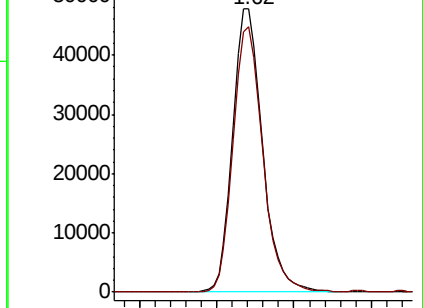
94 100

96 93.9 76.3 114.5



Abundance Ion 93.90 (93.60 to 94.60): VU034136.D (-165) (-)

Ion 95.90 (95.60 to 96.60): VU034136.D (-165) (-)



#6

Chloroethane

Concen: 20.802 ug/l

RT: 1.69 min Scan# 187

Delta R.T. 0.02 min

Lab File: VU034136.D

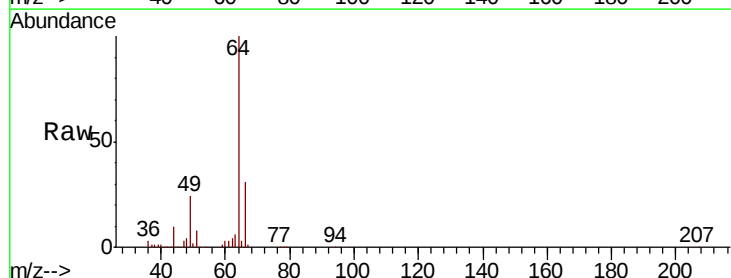
Acq: 31 Aug 2019 21:30

Tgt Ion: 64 Resp: 69227

Ion Ratio Lower Upper

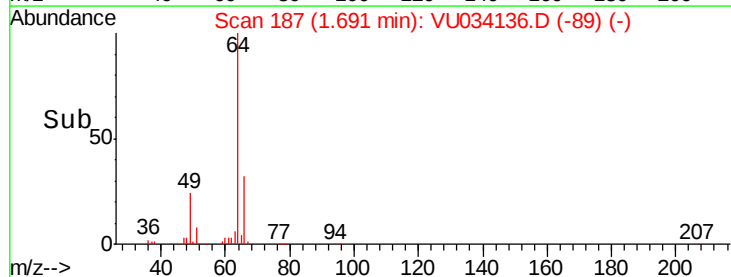
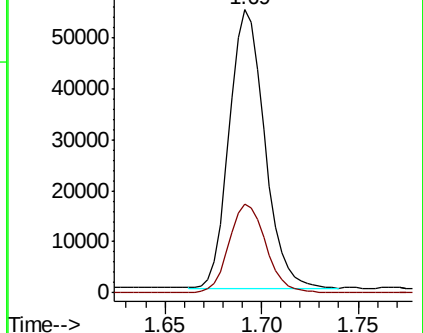
64 100

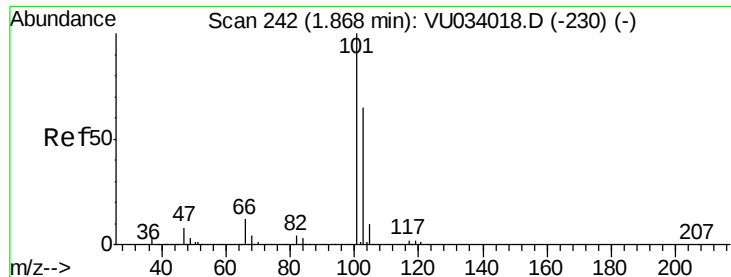
66 31.8 25.5 38.3



Abundance Ion 63.90 (63.60 to 64.60): VU034136.D (-187) (-)

Ion 65.90 (65.60 to 66.60): VU034136.D (-187) (-)



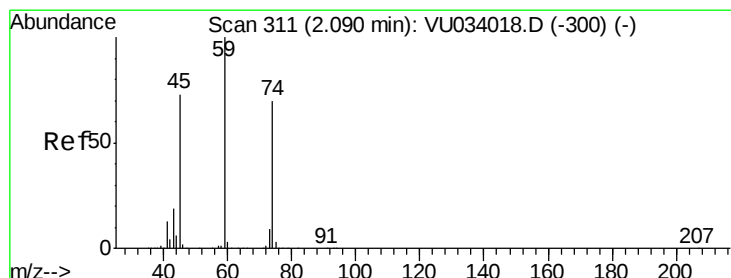
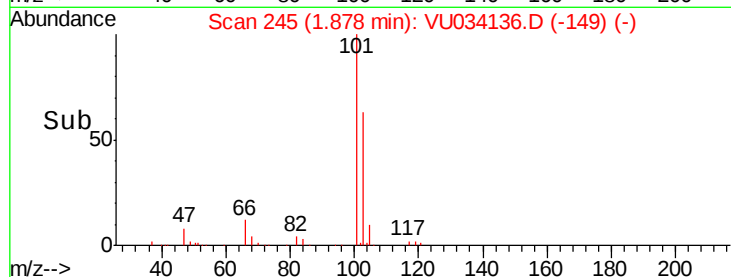
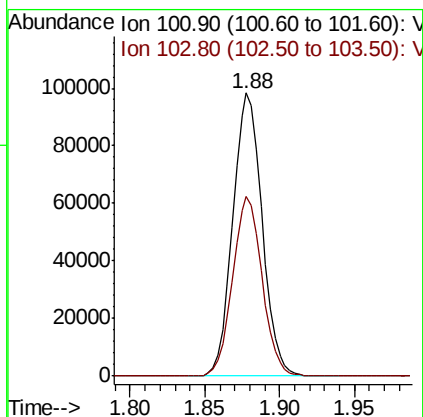
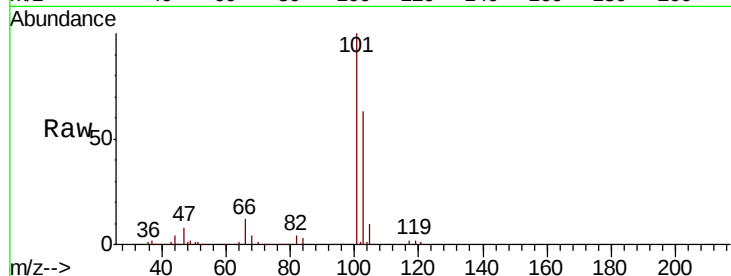


#7

Trichlorofluoromethane
 Concen: 21.278 ug/l
 RT: 1.88 min Scan# 245
 Delta R.T. 0.01 min
 Lab File: VU034136.D
 Acq: 31 Aug 2019 21:30

Instrument :
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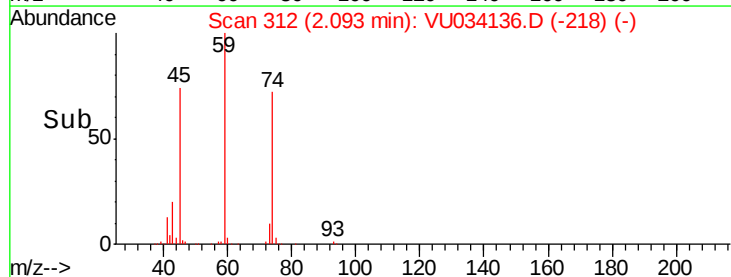
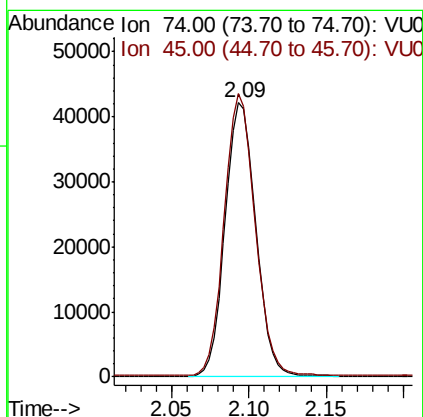
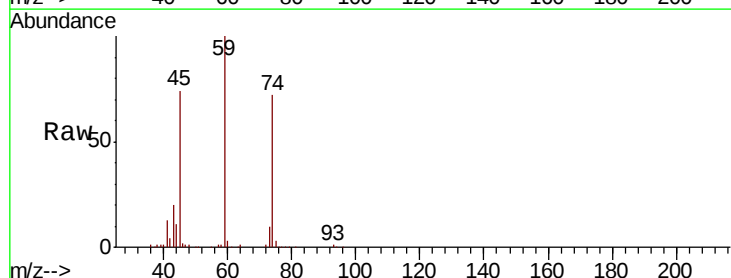
Tgt Ion:101 Resp: 134205
 Ion Ratio Lower Upper
 101 100
 103 63.4 52.1 78.1

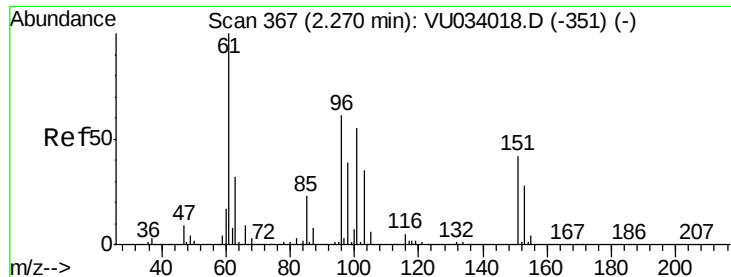


#8

Diethyl Ether
 Concen: 21.572 ug/l
 RT: 2.09 min Scan# 312
 Delta R.T. 0.00 min
 Lab File: VU034136.D
 Acq: 31 Aug 2019 21:30

Tgt Ion: 74 Resp: 58206
 Ion Ratio Lower Upper
 74 100
 45 101.9 51.8 155.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.822 ug/l

RT: 2.28 min Scan# 369

Delta R.T. 0.01 min

Lab File: VU034136.D

Acq: 31 Aug 2019 21:30

Instrument :

MSVOA_U

ClientSampleId :

VU0902WBSD01

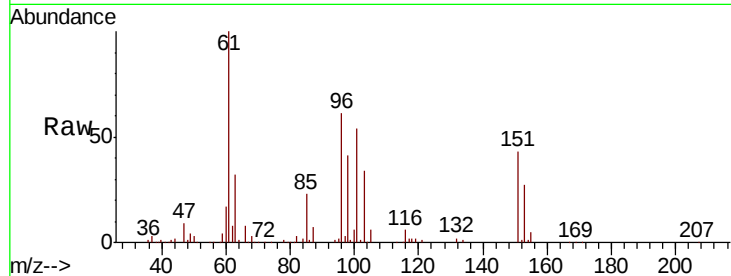
Tgt Ion:101 Resp: 83199

Ion Ratio Lower Upper

101 100

85 43.6 34.2 51.2

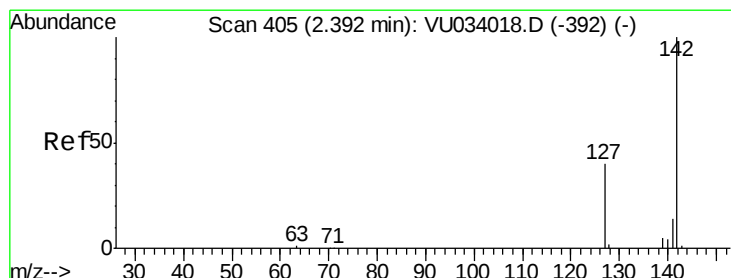
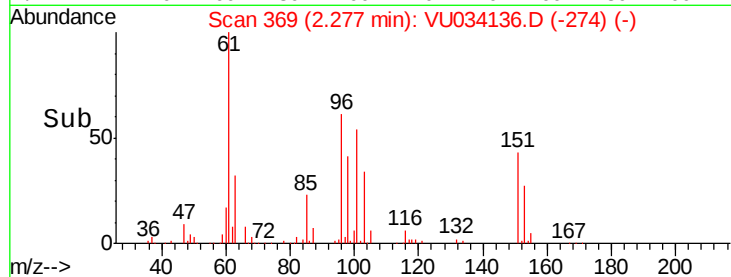
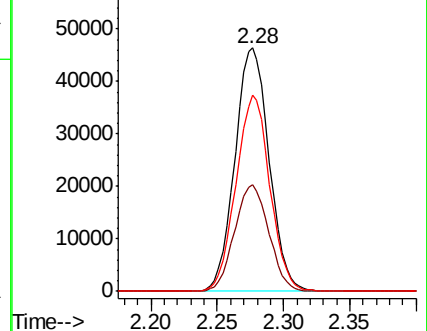
151 79.8 61.4 92.2



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 10.890 ug/l

RT: 2.40 min Scan# 407

Delta R.T. 0.01 min

Lab File: VU034136.D

Acq: 31 Aug 2019 21:30

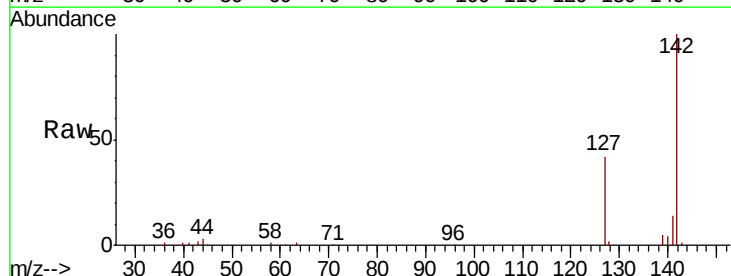
Tgt Ion:142 Resp: 61729

Ion Ratio Lower Upper

142 100

127 42.9 32.6 48.8

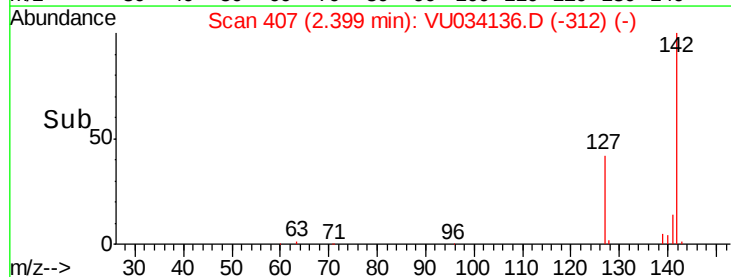
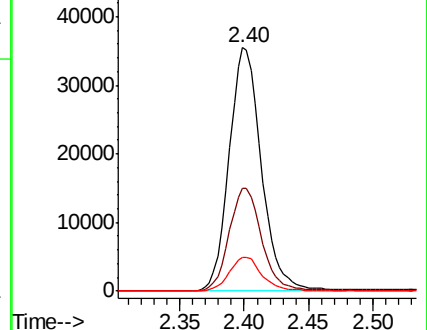
141 13.8 11.3 16.9

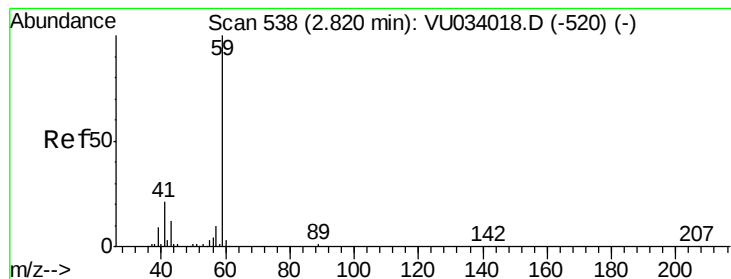


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



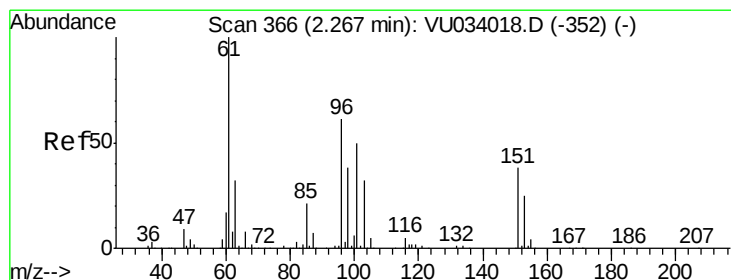
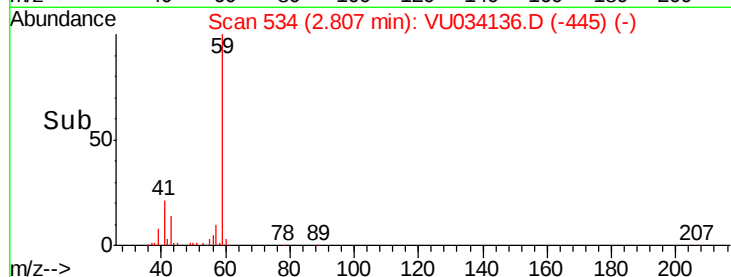
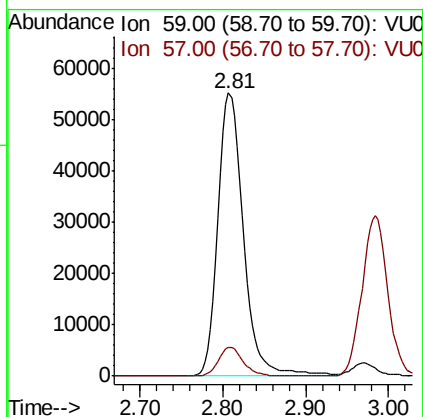
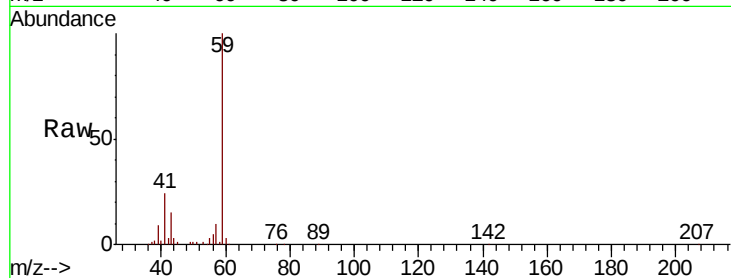


#11

Tert butyl alcohol
 Concen: 98.623 ug/l
 RT: 2.81 min Scan# 534
 Delta R.T. -0.01 min
 Lab File: VU034136.D
 Acq: 31 Aug 2019 21:30

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0902WBSD01

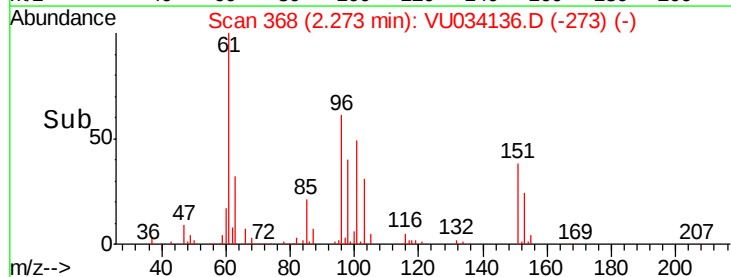
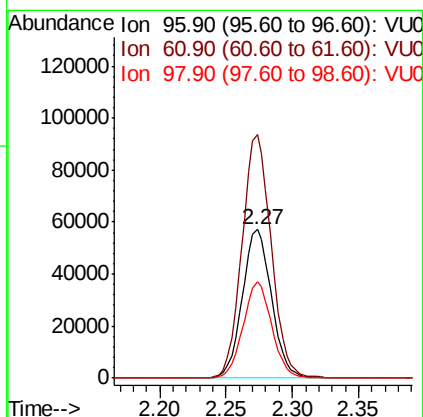
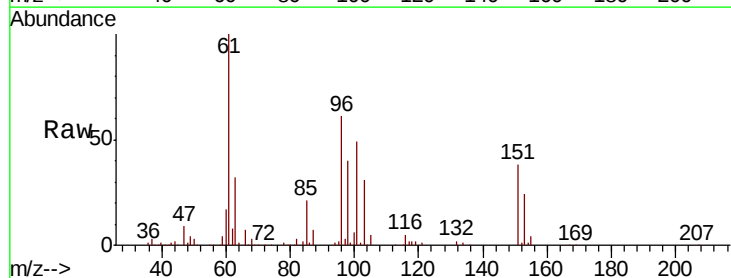
Tgt Ion: 59 Resp: 118509
 Ion Ratio Lower Upper
 59 100
 57 9.9 8.0 12.0

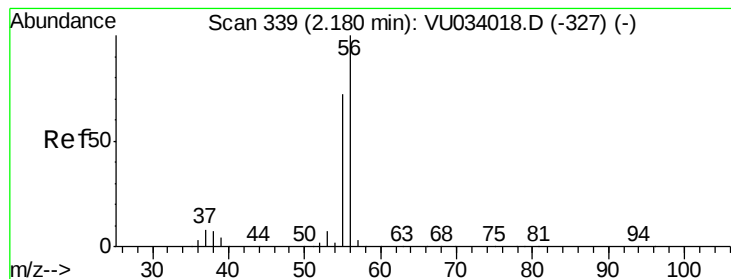


#12

1,1-Dichloroethene
 Concen: 21.321 ug/l
 RT: 2.27 min Scan# 368
 Delta R.T. 0.01 min
 Lab File: VU034136.D
 Acq: 31 Aug 2019 21:30

Tgt Ion: 96 Resp: 86801
 Ion Ratio Lower Upper
 96 100
 61 164.4 131.3 196.9
 98 65.4 50.3 75.5





#13

Acrolein

Concen: 61.288 ug/l

RT: 2.18 min Scan# 340

Delta R.T. 0.00 min

Lab File: VU034136.D

Acq: 31 Aug 2019 21:30

Instrument :

MSVOA_U

ClientSampleId :

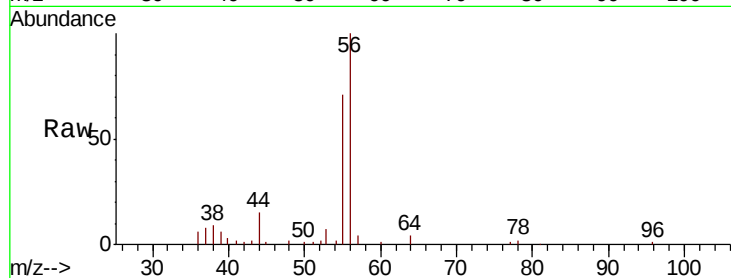
VU0902WBSD01

Tgt Ion: 56 Resp: 30981

Ion Ratio Lower Upper

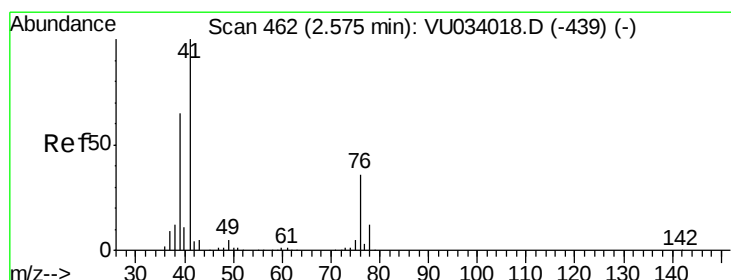
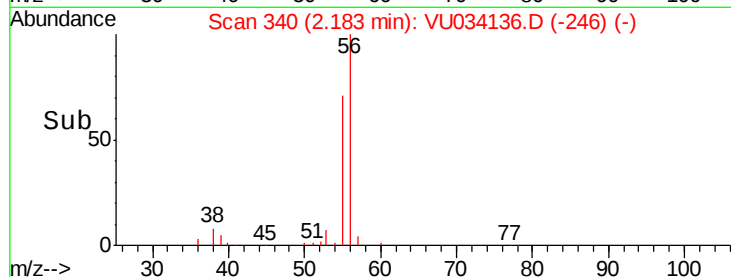
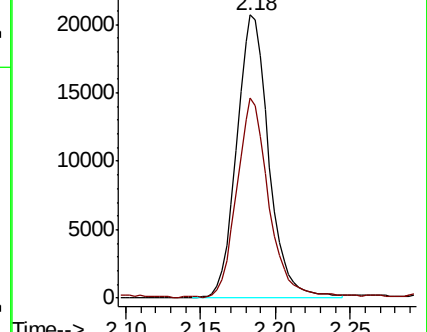
56 100

55 71.0 57.1 85.7



Abundance Ion 56.00 (55.70 to 56.70): VU034018.D (-327) (-)

Ion 55.00 (54.70 to 55.70): VU034018.D (-327) (-)



#14

Allyl chloride

Concen: 18.366 ug/l

RT: 2.58 min Scan# 463

Delta R.T. 0.00 min

Lab File: VU034136.D

Acq: 31 Aug 2019 21:30

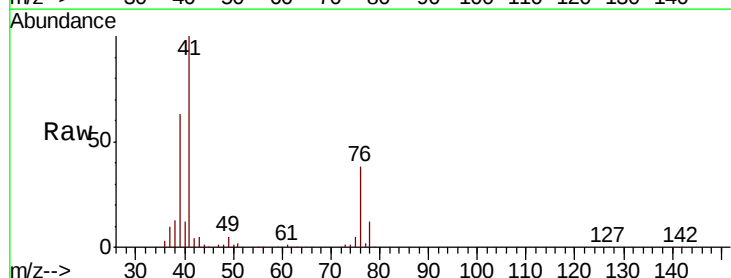
Tgt Ion: 41 Resp: 140586

Ion Ratio Lower Upper

41 100

39 64.6 46.8 70.2

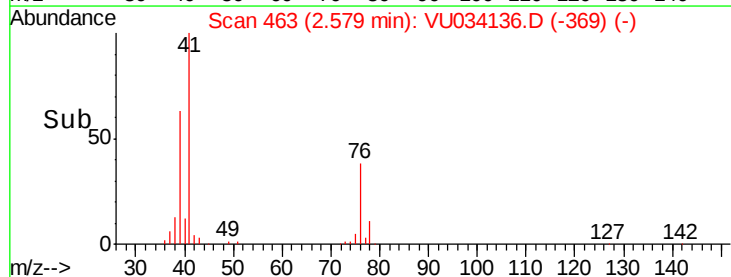
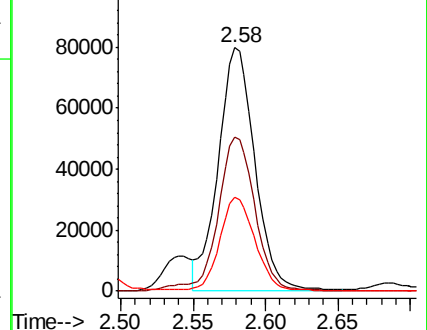
76 36.5 26.6 40.0



Abundance Ion 41.00 (40.70 to 41.70): VU034018.D (-439) (-)

Ion 39.00 (38.70 to 39.70): VU034018.D (-439) (-)

Ion 75.90 (75.60 to 76.60): VU034018.D (-439) (-)





#15

Acrylonitrile

Concen: 109.777 ug/l

RT: 2.92 min Scan# 569

Delta R.T. 0.00 min

Lab File: VU034136.D

Acq: 31 Aug 2019 21:30

Instrument :

MSVOA_U

ClientSampleId :

VU0902WBSD01

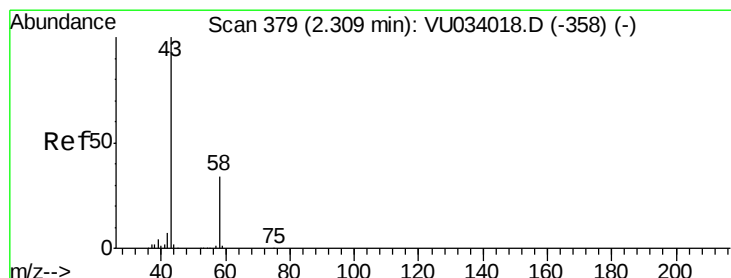
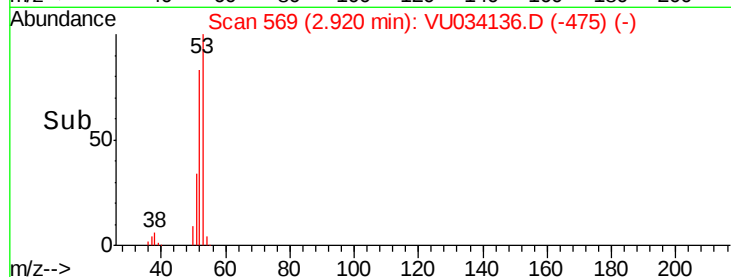
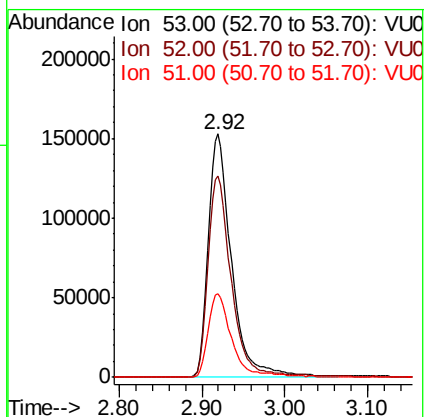
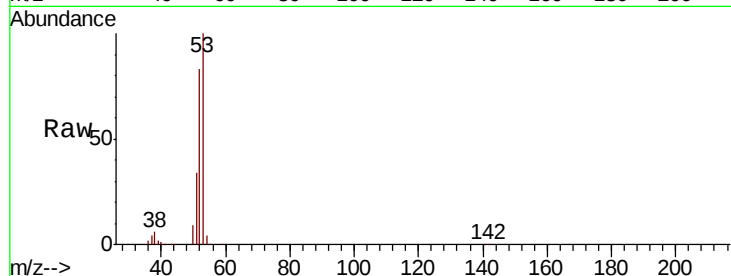
Tgt Ion: 53 Resp: 302698

Ion Ratio Lower Upper

53 100

52 81.8 65.7 98.5

51 35.1 27.9 41.9



#16

Acetone

Concen: 94.900 ug/l

RT: 2.31 min Scan# 379

Delta R.T. 0.00 min

Lab File: VU034136.D

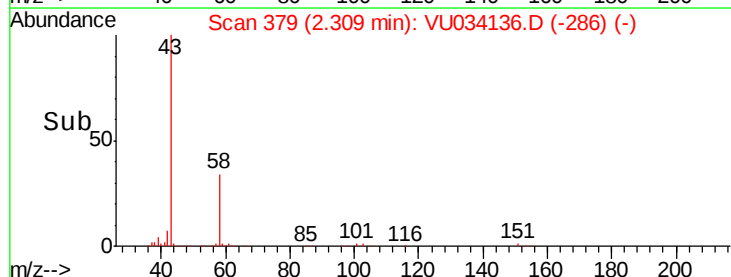
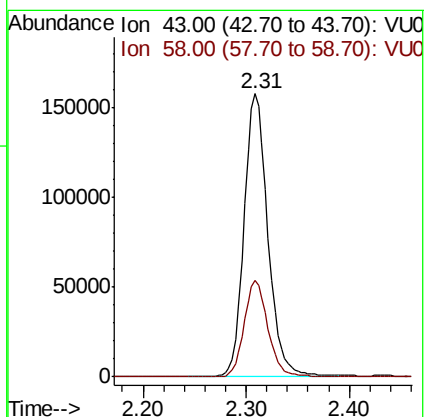
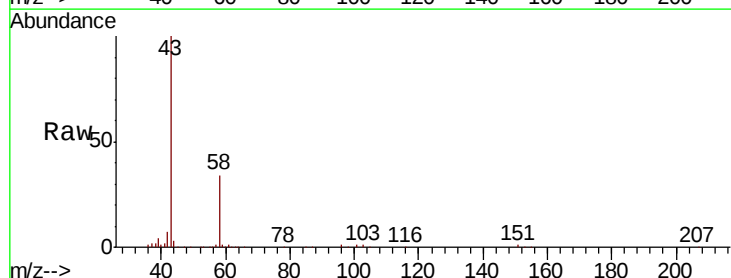
Acq: 31 Aug 2019 21:30

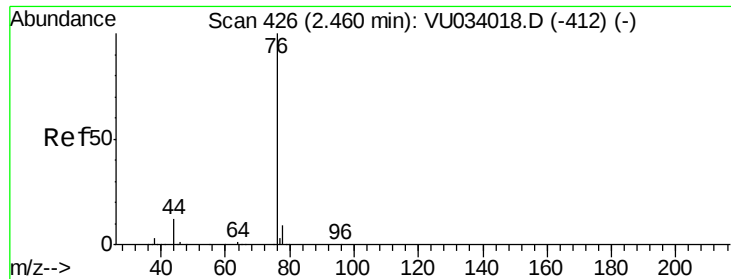
Tgt Ion: 43 Resp: 252318

Ion Ratio Lower Upper

43 100

58 33.9 26.8 40.2

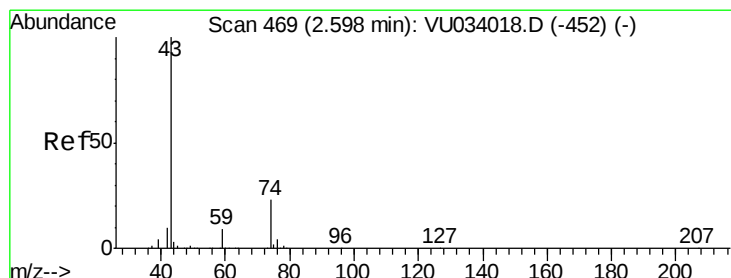
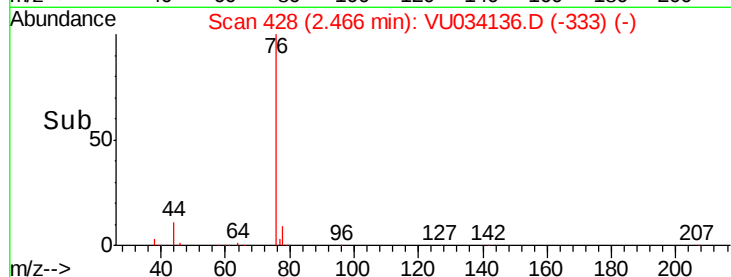
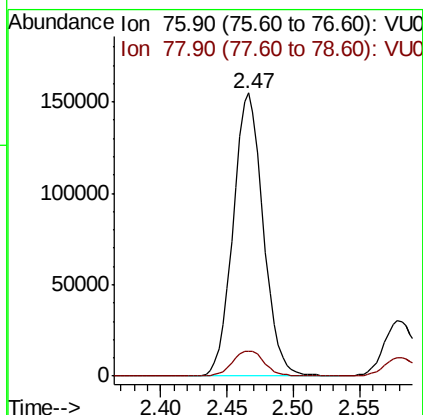
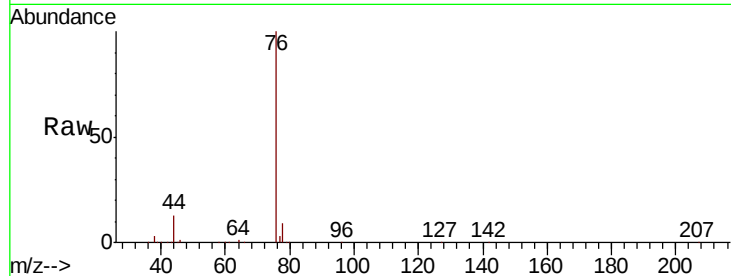




#17
Carbon Disulfide
Concen: 18.970 ug/l
RT: 2.47 min Scan# 428
Delta R.T. 0.01 min
Lab File: VU034136.D
Acq: 31 Aug 2019 21:30

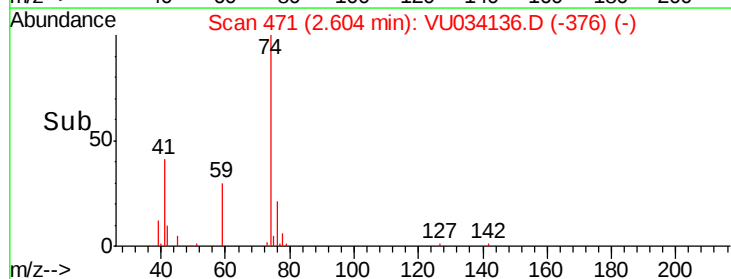
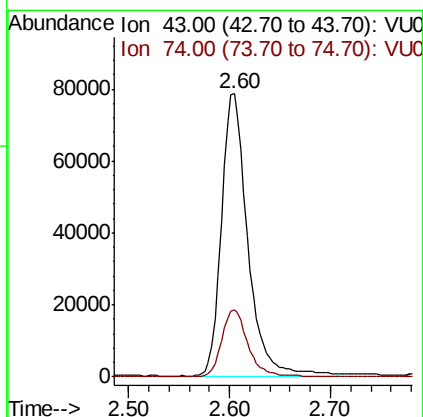
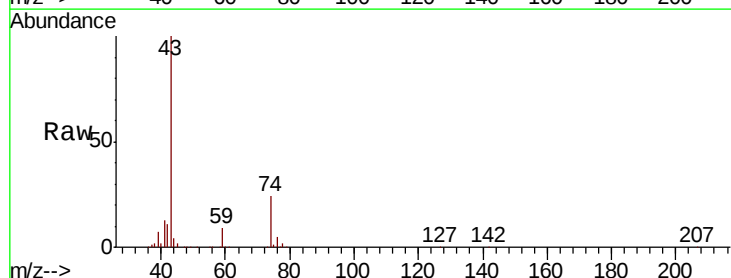
Instrument :
MSVOA_U
ClientSampleId :
VU0902WBSD01

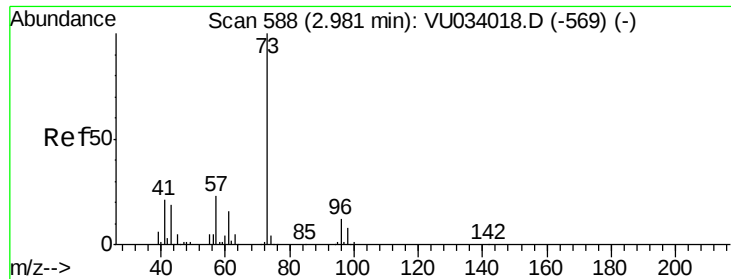
Tgt Ion: 76 Resp: 244424
Ion Ratio Lower Upper
76 100
78 9.0 7.1 10.7



#18
Methyl Acetate
Concen: 20.904 ug/l
RT: 2.60 min Scan# 471
Delta R.T. 0.01 min
Lab File: VU034136.D
Acq: 31 Aug 2019 21:30

Tgt Ion: 43 Resp: 143625
Ion Ratio Lower Upper
43 100
74 23.5 19.2 28.8

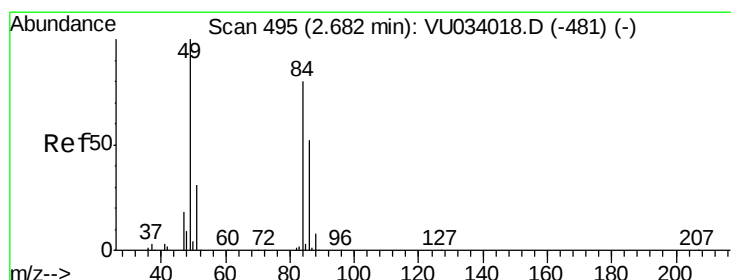
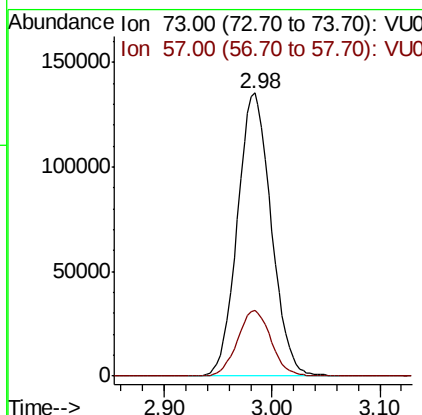
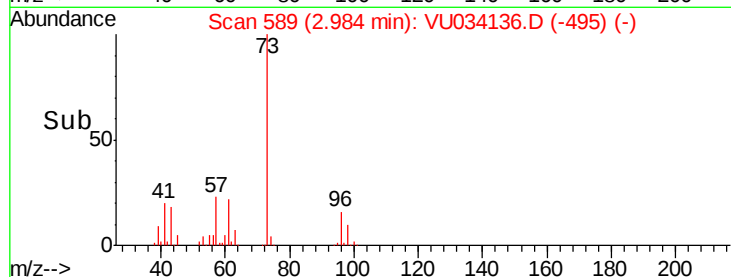
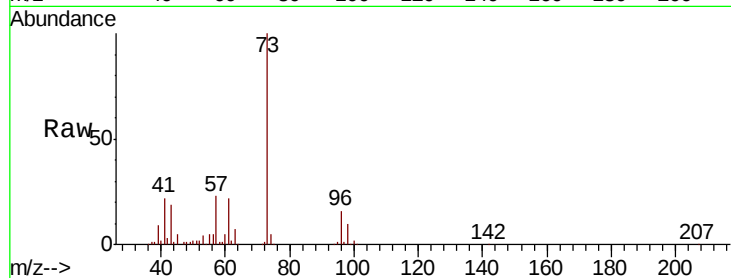




#19
Methyl tert-butyl Ether
Concen: 22.148 ug/l
RT: 2.98 min Scan# 589
Delta R.T. 0.00 min
Lab File: VU034136.D
Acq: 31 Aug 2019 21:30

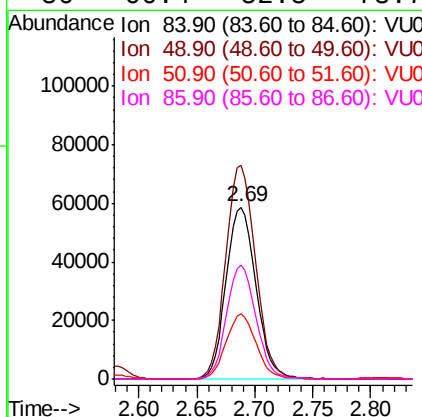
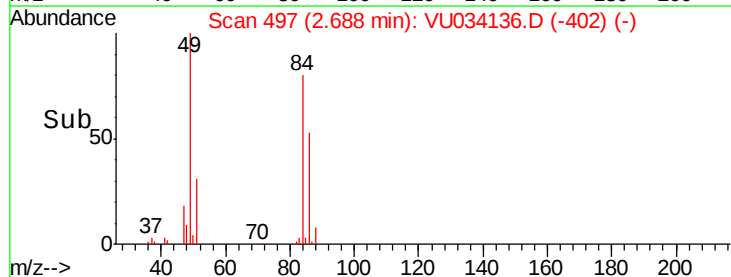
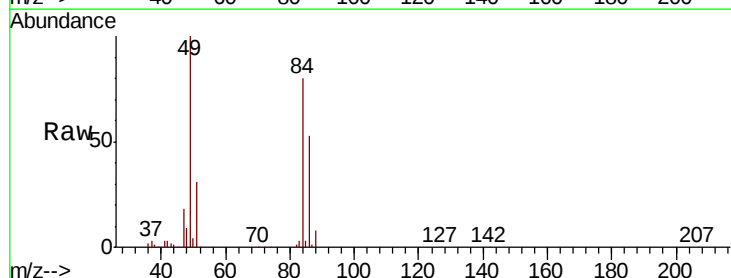
Instrument :
MSVOA_U
ClientSampleId :
VU0902WBSD01

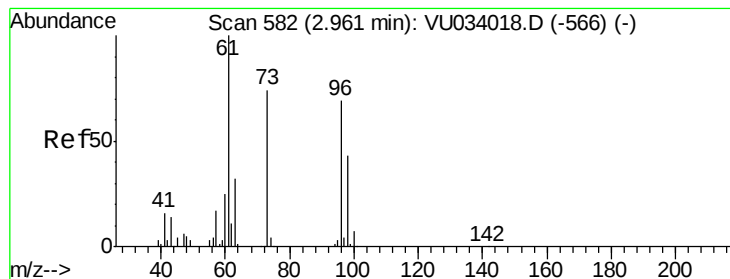
Tgt Ion: 73 Resp: 295436
Ion Ratio Lower Upper
73 100
57 23.1 18.3 27.5



#20
Methylene Chloride
Concen: 20.805 ug/l
RT: 2.69 min Scan# 497
Delta R.T. 0.01 min
Lab File: VU034136.D
Acq: 31 Aug 2019 21:30

Tgt Ion: 84 Resp: 104720
Ion Ratio Lower Upper
84 100
49 124.3 100.2 150.4
51 38.1 30.8 46.2
86 66.4 52.5 78.7





#21

trans-1,2-Dichloroethene

Concen: 21.197 ug/l

RT: 2.97 min Scan# 584

Delta R.T. 0.01 min

Lab File: VU034136.D

Acq: 31 Aug 2019 21:30

Instrument :

MSVOA_U

ClientSampleId :

VU0902WBSD01

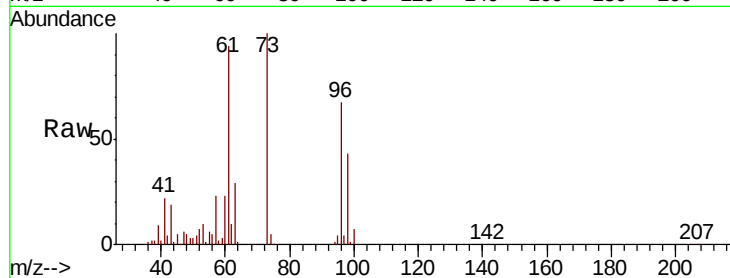
Tgt Ion: 96 Resp: 93655

Ion Ratio Lower Upper

96 100

61 140.0 115.5 173.3

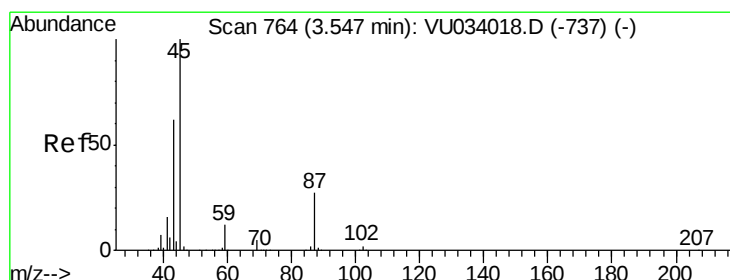
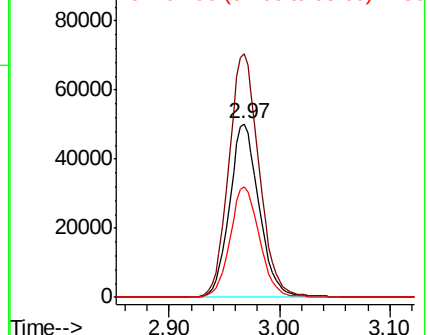
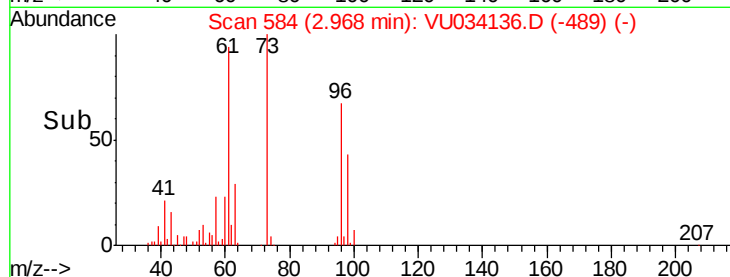
98 63.4 50.1 75.1



Abundance Ion 95.90 (95.60 to 96.60): VU034136.D (-489) (-)

Ion 60.90 (60.60 to 61.60): VU034136.D (-489) (-)

Ion 97.90 (97.60 to 98.60): VU034136.D (-489) (-)



#22

Diisopropyl ether

Concen: 22.224 ug/l

RT: 3.55 min Scan# 766

Delta R.T. 0.01 min

Lab File: VU034136.D

Acq: 31 Aug 2019 21:30

Tgt Ion: 45 Resp: 311720

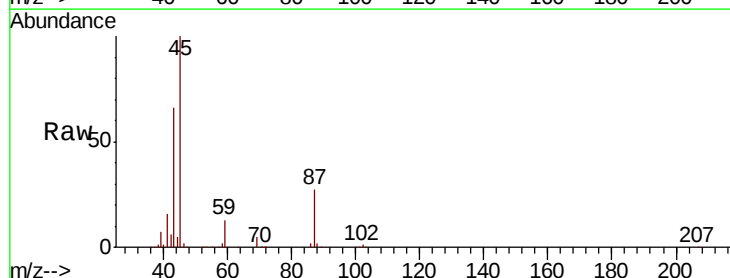
Ion Ratio Lower Upper

45 100

43 65.3 49.7 74.5

87 27.1 21.8 32.8

59 12.7 9.3 13.9

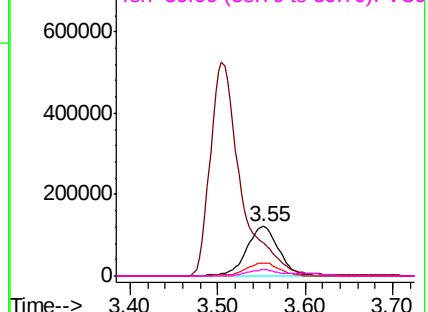
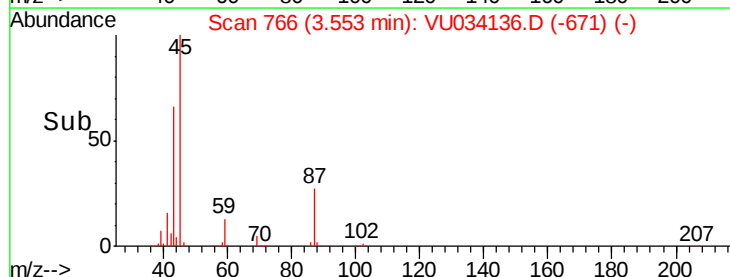


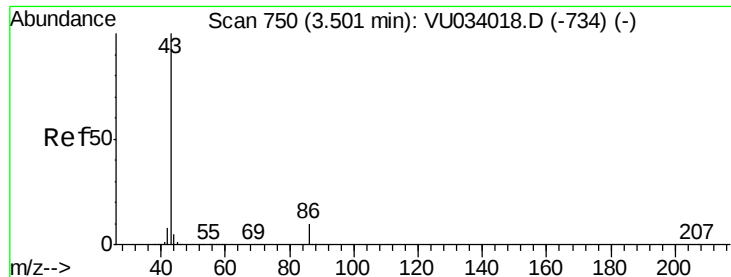
Abundance Ion 45.00 (44.70 to 45.70): VU034136.D (-671) (-)

Ion 43.00 (42.70 to 43.70): VU034136.D (-671) (-)

Ion 87.00 (86.70 to 87.70): VU034136.D (-671) (-)

Ion 59.00 (58.70 to 59.70): VU034136.D (-671) (-)





#23

Vinyl Acetate

Concen: 106.923 ug/l

RT: 3.50 min Scan# 751

Delta R.T. 0.00 min

Lab File: VU034136.D

Acq: 31 Aug 2019 21:30

Instrument :

MSVOA_U

ClientSampleId :

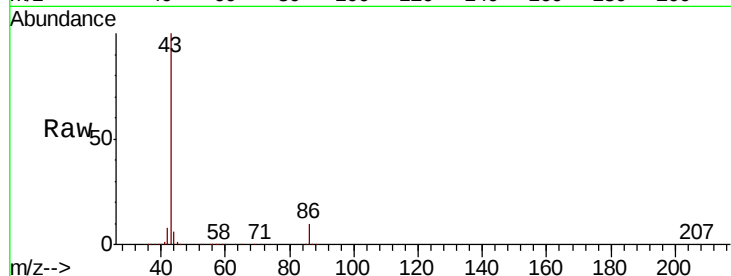
VU0902WBSD01

Tgt Ion: 43 Resp: 1288303

Ion Ratio Lower Upper

43 100

86 10.4 8.3 12.5



Abundance Ion 43.00 (42.70 to 43.70): VU034136.D (-657) (-)

Ion 86.00 (85.70 to 86.70): VU034136.D (-657) (-)

3.50

600000

500000

400000

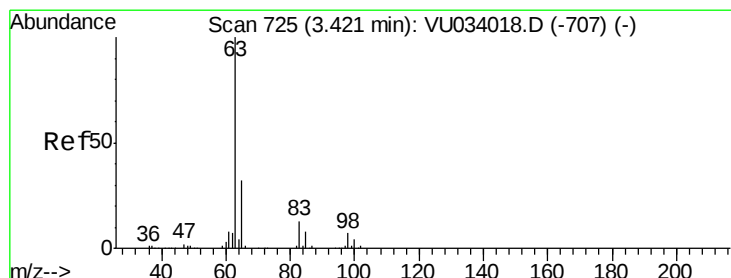
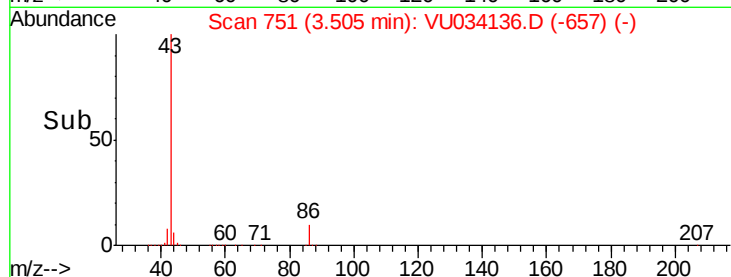
300000

200000

100000

0

Time-->



#24

1,1-Dichloroethane

Concen: 21.876 ug/l

RT: 3.43 min Scan# 727

Delta R.T. 0.01 min

Lab File: VU034136.D

Acq: 31 Aug 2019 21:30

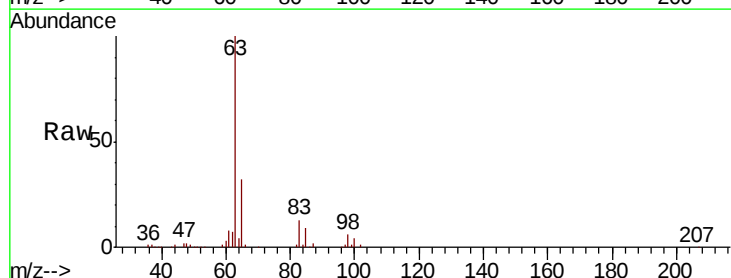
Tgt Ion: 63 Resp: 181154

Ion Ratio Lower Upper

63 100

98 6.4 3.3 9.8

100 4.2 2.0 6.0



Abundance Ion 62.90 (62.60 to 63.60): VU034136.D (-632) (-)

Ion 97.90 (97.60 to 98.60): VU034136.D (-632) (-)

Ion 99.90 (99.60 to 100.60): VU034136.D (-632) (-)

3.43

100000

80000

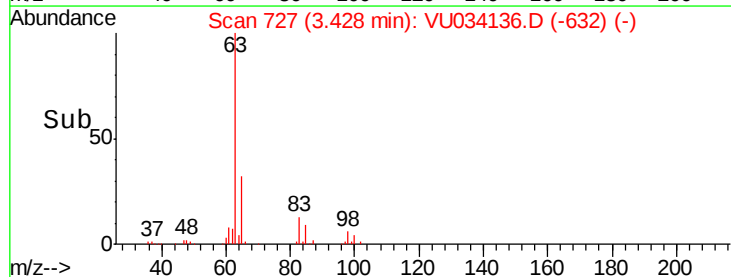
60000

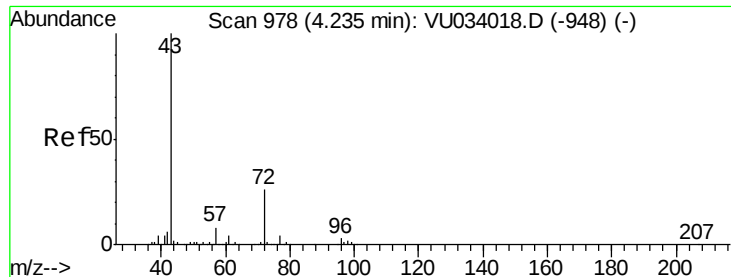
40000

20000

0

Time-->





#25

2-Butanone

Concen: 106.719 ug/l

RT: 4.24 min Scan# 979

Delta R.T. 0.00 min

Lab File: VU034136.D

Acq: 31 Aug 2019 21:30

Instrument :

MSVOA_U

ClientSampleId :

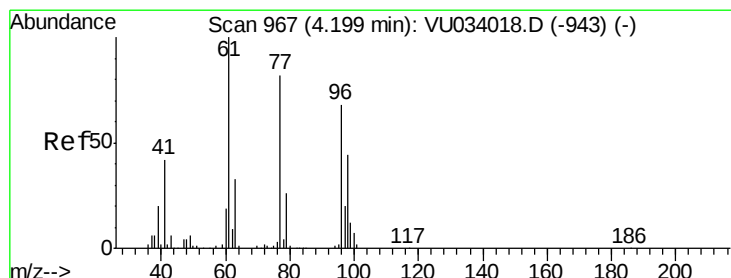
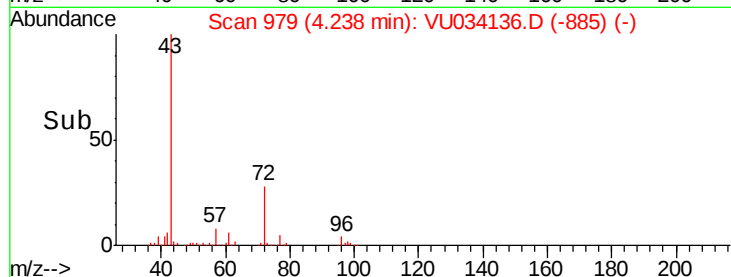
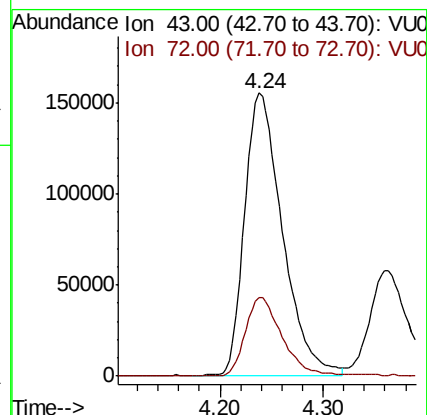
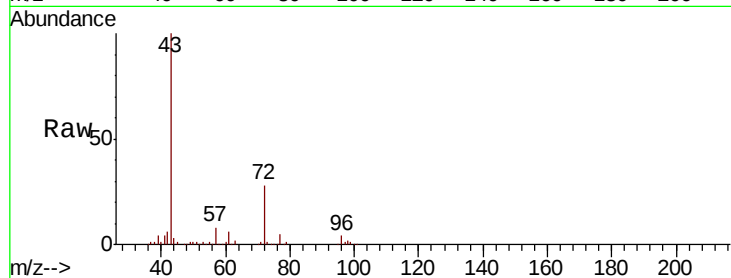
VU0902WBSD01

Tgt Ion: 43 Resp: 394763

Ion Ratio Lower Upper

43 100

72 27.9 21.2 31.8



#26

2,2-Dichloropropane

Concen: 17.342 ug/l

RT: 4.21 min Scan# 969

Delta R.T. 0.01 min

Lab File: VU034136.D

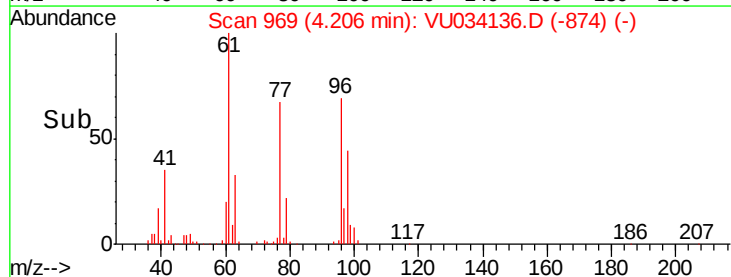
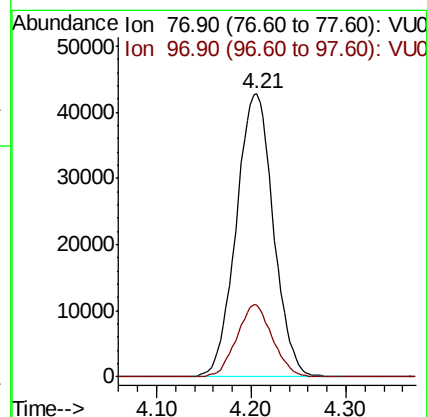
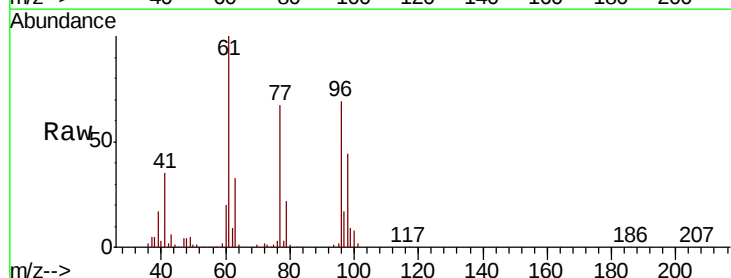
Acq: 31 Aug 2019 21:30

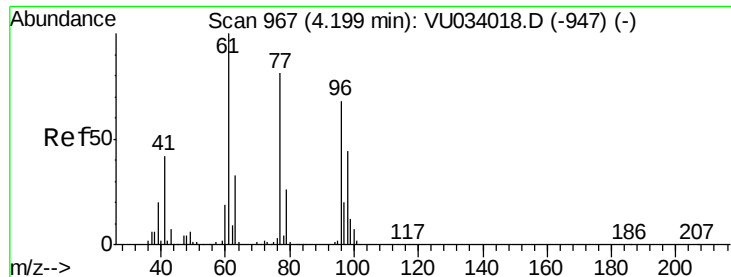
Tgt Ion: 77 Resp: 116853

Ion Ratio Lower Upper

77 100

97 24.5 11.6 34.7



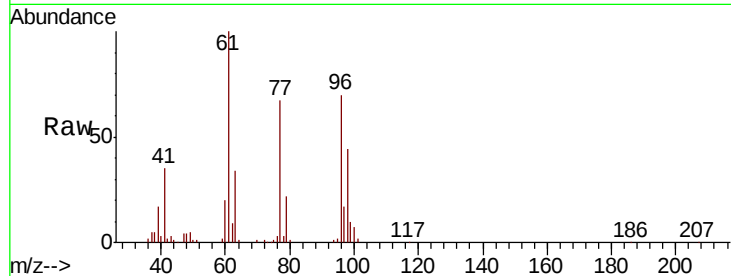


#27

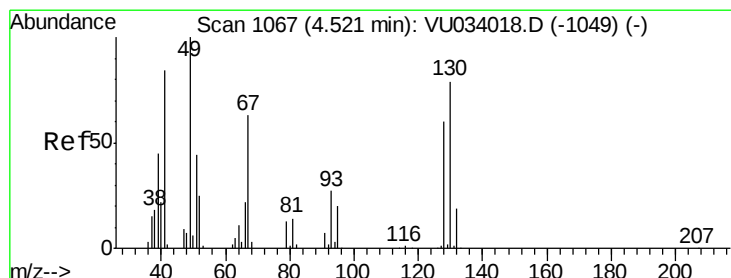
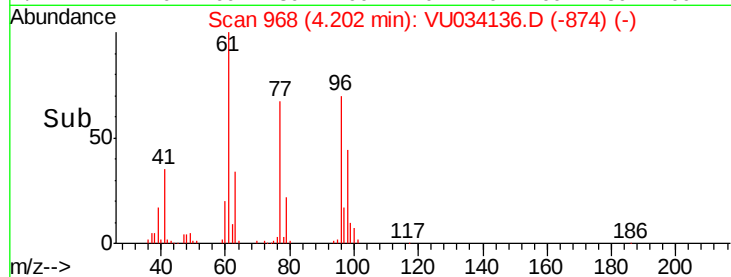
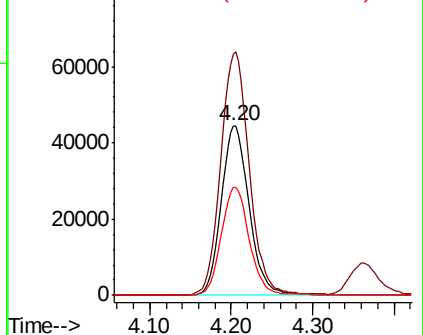
cis-1,2-Dichloroethene
Concen: 21.721 ug/l
RT: 4.20 min Scan# 968
Delta R.T. 0.00 min
Lab File: VU034136.D
Acq: 31 Aug 2019 21:30

Instrument :
MSVOA_U
ClientSampleId :
VU0902WBSD01

Tgt Ion: 96 Resp: 107720
Ion Ratio Lower Upper
96 100
61 146.0 0.0 303.0
98 63.6 0.0 129.2



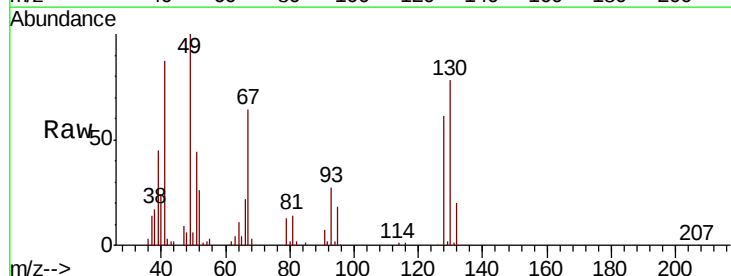
Abundance Ion 95.90 (95.60 to 96.60): VU0
Ion 60.90 (60.60 to 61.60): VU0
Ion 97.90 (97.60 to 98.60): VU0



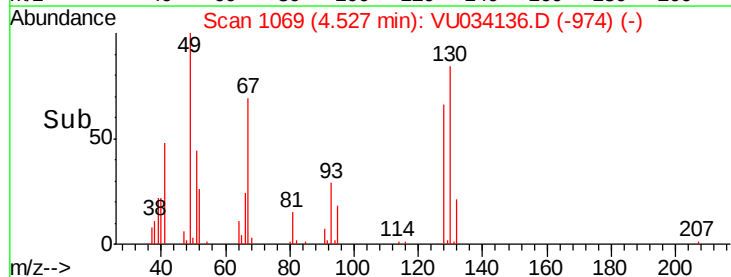
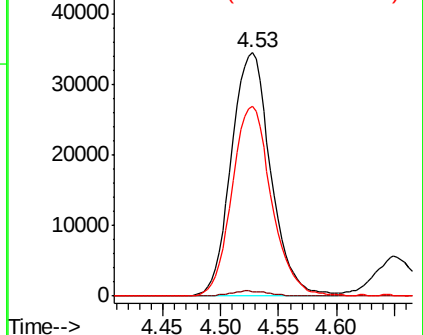
#28

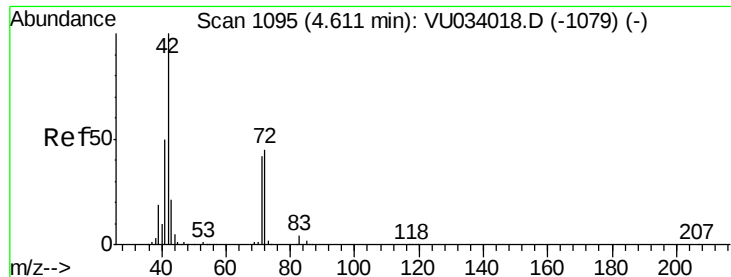
Bromochloromethane
Concen: 19.996 ug/l
RT: 4.53 min Scan# 1069
Delta R.T. 0.01 min
Lab File: VU034136.D
Acq: 31 Aug 2019 21:30

Tgt Ion: 49 Resp: 81579
Ion Ratio Lower Upper
49 100
129 2.0 0.0 3.6
130 78.3 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: 112.331 ug/l

RT: 4.61 min Scan# 1096

Delta R.T. 0.00 min

Lab File: VU034136.D

Acq: 31 Aug 2019 21:30

Instrument :

MSVOA_U

ClientSampleId :

VU0902WBSD01

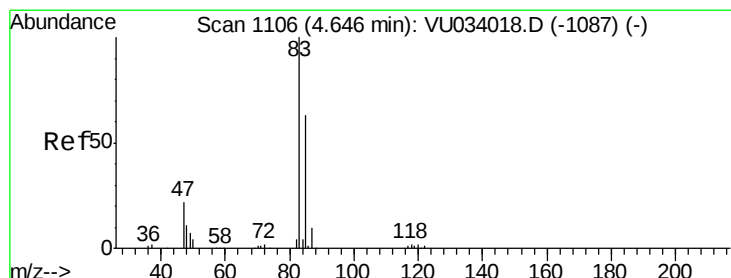
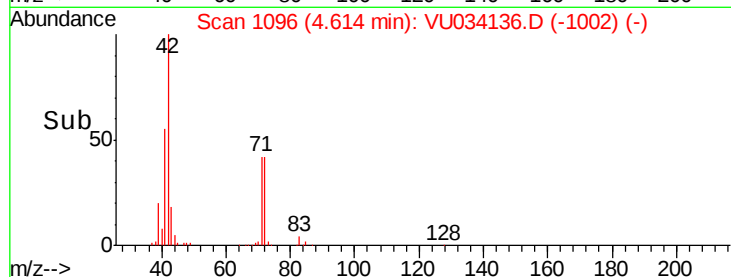
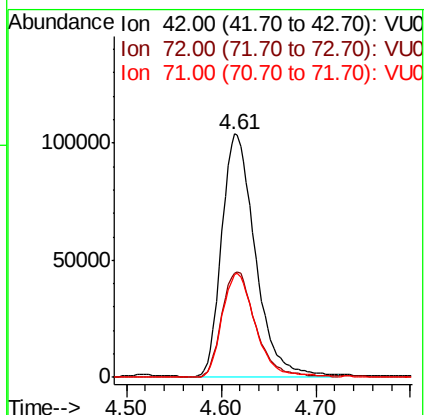
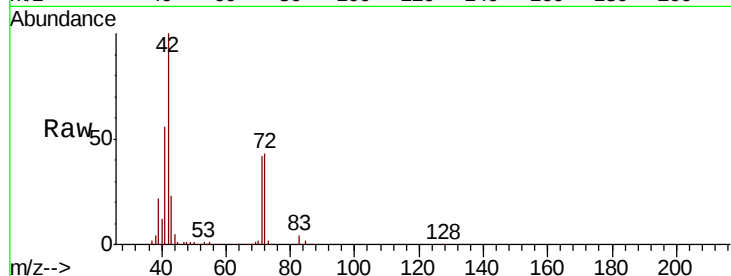
Tgt Ion: 42 Resp: 256252

Ion Ratio Lower Upper

42 100

72 43.3 35.8 53.6

71 42.6 34.0 51.0



#30

Chloroform

Concen: 21.300 ug/l

RT: 4.65 min Scan# 1107

Delta R.T. 0.00 min

Lab File: VU034136.D

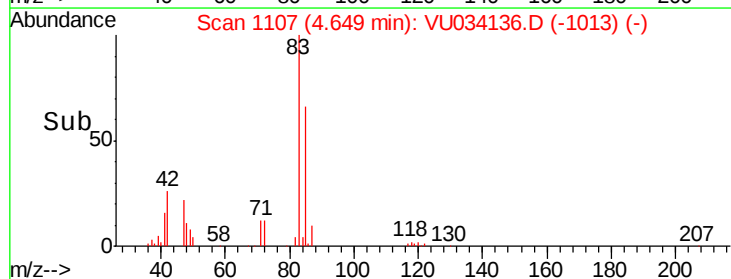
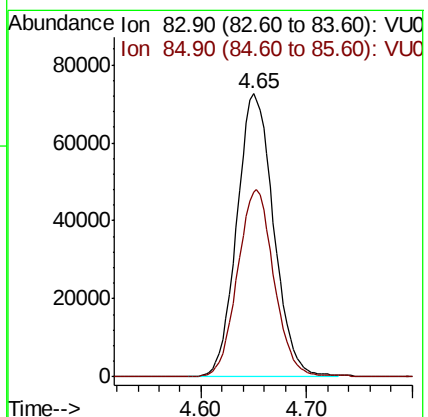
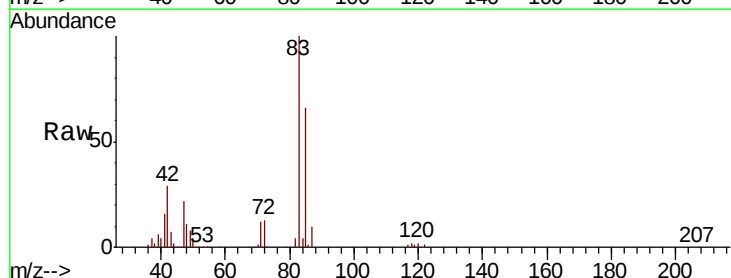
Acq: 31 Aug 2019 21:30

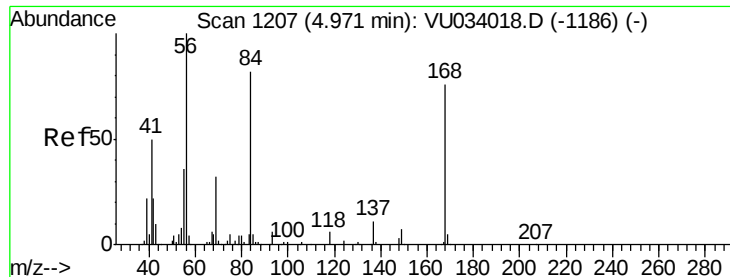
Tgt Ion: 83 Resp: 175983

Ion Ratio Lower Upper

83 100

85 65.3 50.7 76.1

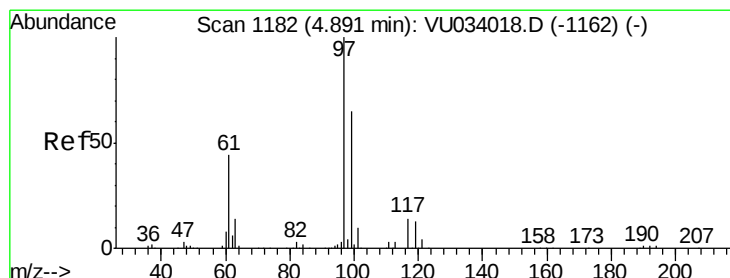
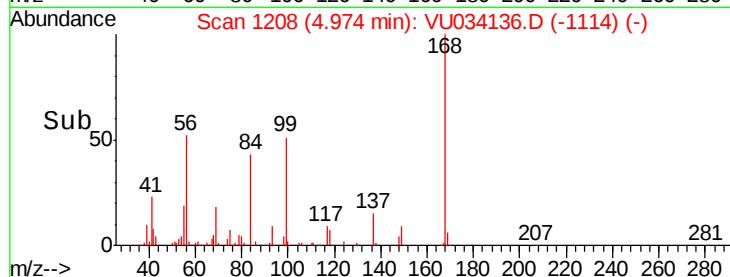
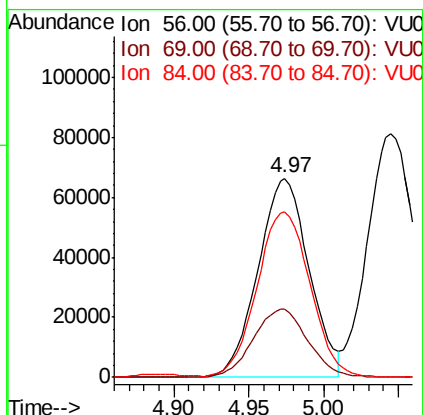
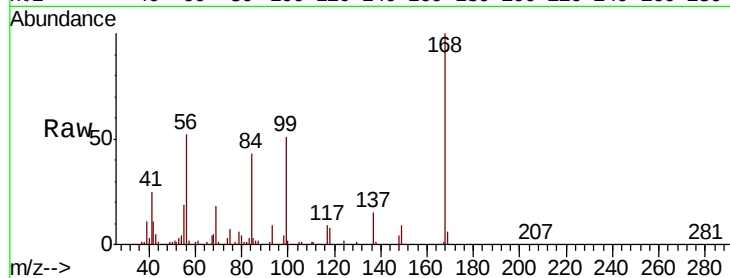




#31
Cyclohexane
Concen: 20.168 ug/l
RT: 4.97 min Scan# 1208
Delta R.T. 0.00 min
Lab File: VU034136.D
Acq: 31 Aug 2019 21:30

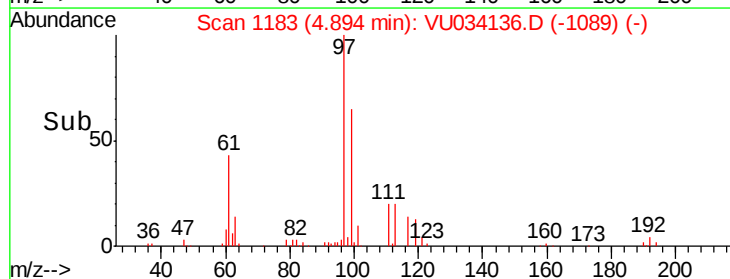
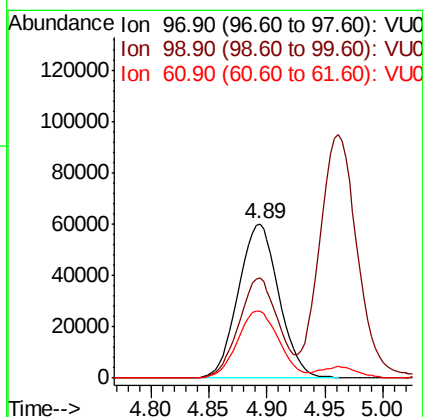
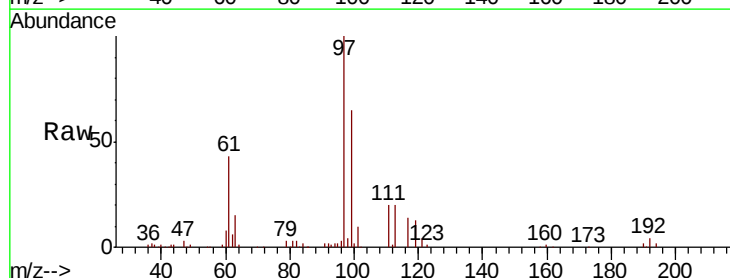
Instrument :
MSVOA_U
ClientSampleId :
VU0902WBSD01

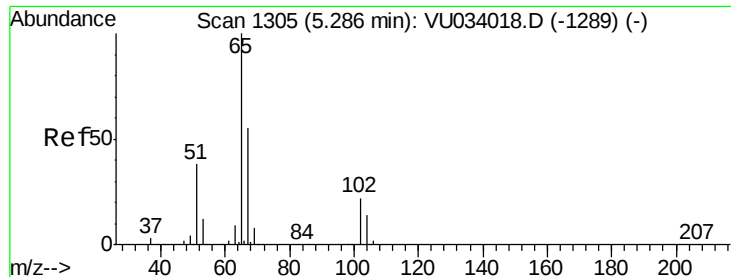
Tgt Ion: 56 Resp: 156928
Ion Ratio Lower Upper
56 100
69 34.0 25.4 38.0
84 82.0 65.8 98.8



#32
1,1,1-Trichloroethane
Concen: 21.673 ug/l
RT: 4.89 min Scan# 1183
Delta R.T. 0.00 min
Lab File: VU034136.D
Acq: 31 Aug 2019 21:30

Tgt Ion: 97 Resp: 146658
Ion Ratio Lower Upper
97 100
99 63.4 51.8 77.6
61 44.4 35.3 52.9

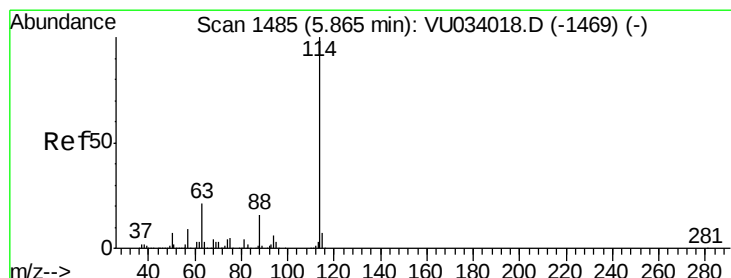
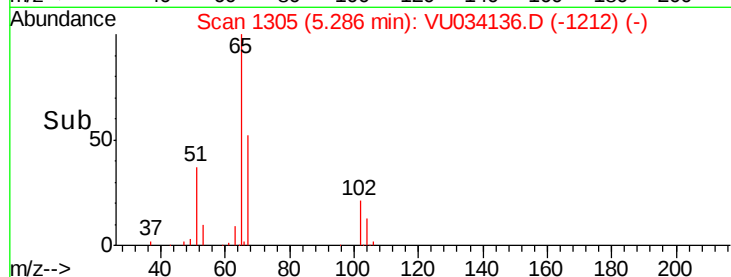
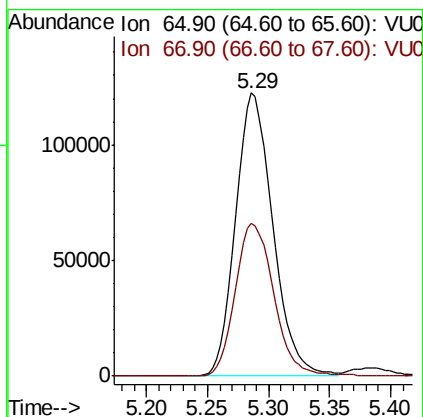
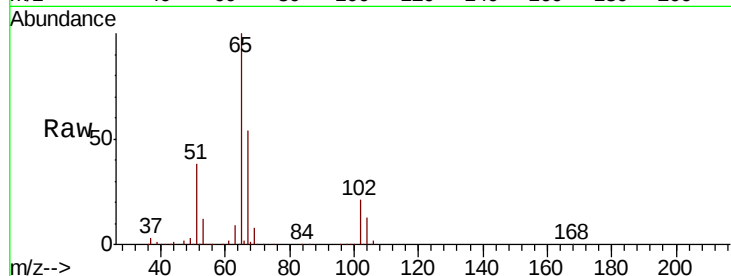




#33
 1,2-Dichloroethane-d4
 Concen: 49.833 ug/l
 RT: 5.29 min Scan# 1305
 Delta R.T. 0.00 min
 Lab File: VU034136.D
 Acq: 31 Aug 2019 21:30

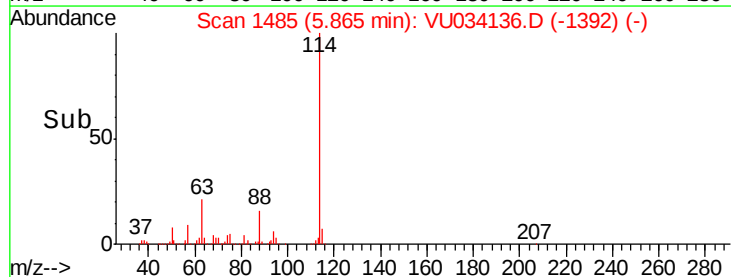
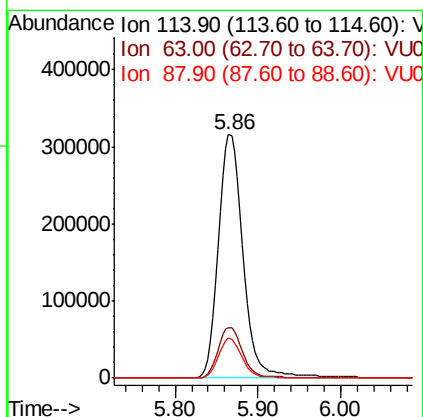
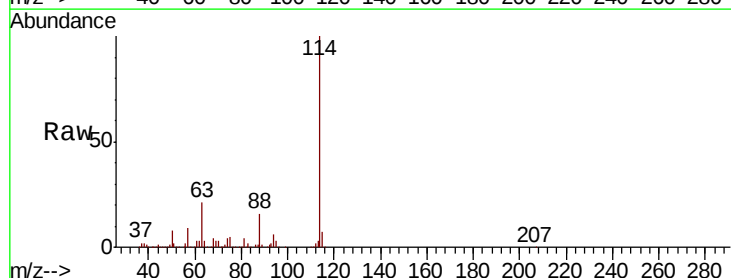
Instrument :
 MSVOA_U
 ClientSampleId :
 VU0902WBSD01

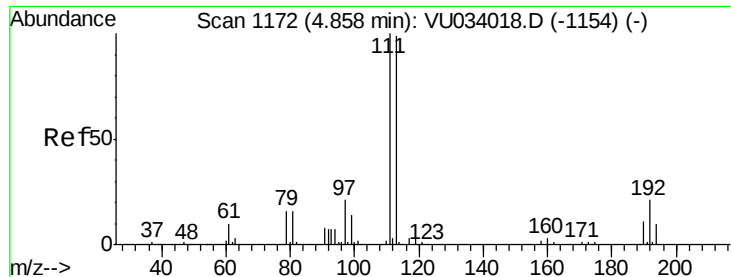
Tgt Ion: 65 Resp: 259673
 Ion Ratio Lower Upper
 65 100
 67 55.8 0.0 110.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.86 min Scan# 1485
 Delta R.T. 0.00 min
 Lab File: VU034136.D
 Acq: 31 Aug 2019 21:30

Tgt Ion: 114 Resp: 652150
 Ion Ratio Lower Upper
 114 100
 63 20.9 0.0 42.0
 88 16.4 0.0 32.0

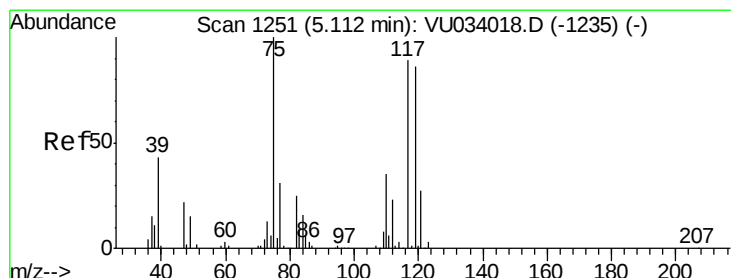
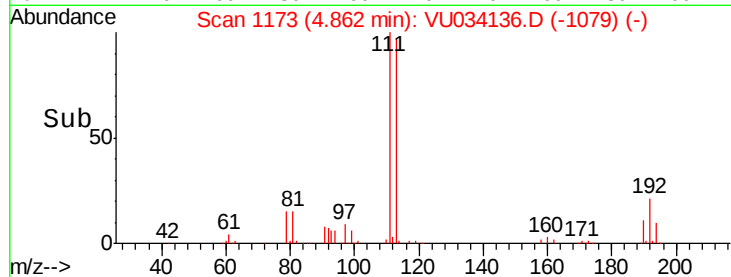
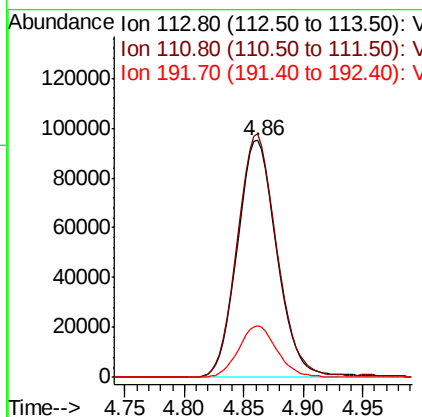
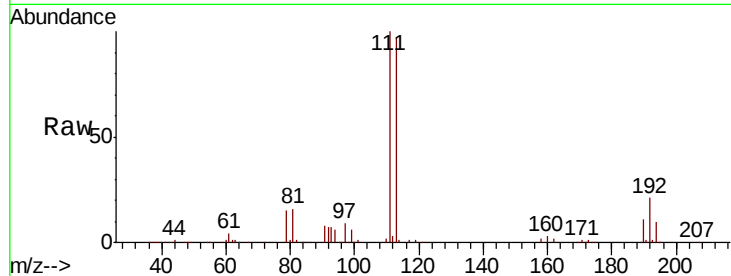




#35
 Dibromofluoromethane
 Concen: 48.244 ug/l
 RT: 4.86 min Scan# 1173
 Delta R.T. 0.00 min
 Lab File: VU034136.D
 Acq: 31 Aug 2019 21:30

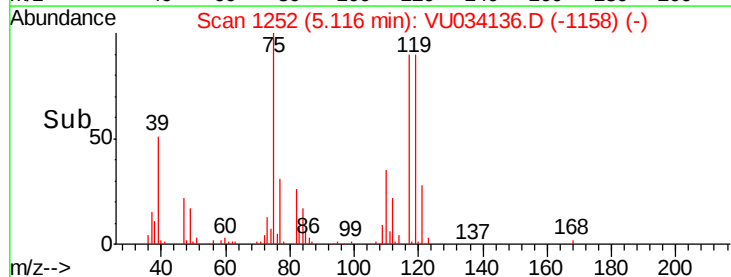
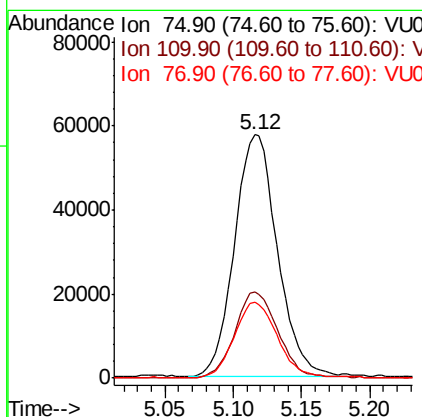
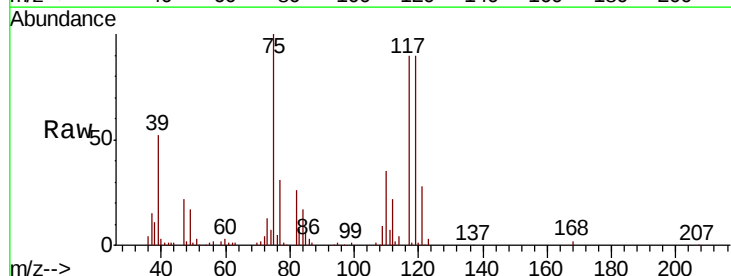
Instrument :
 MSVOA_U
 ClientSampleId :
 VU0902WBSD01

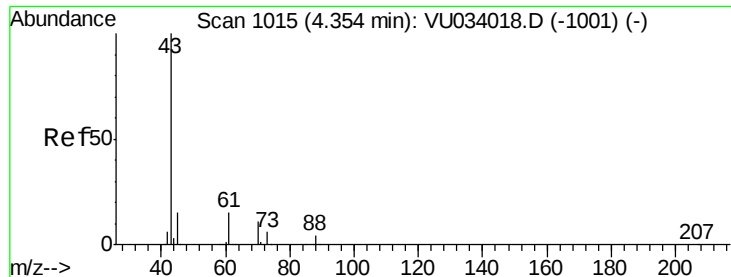
Tgt Ion: 113 Resp: 218222
 Ion Ratio Lower Upper
 113 100
 111 103.0 81.7 122.5
 192 21.4 17.1 25.7



#36
 1,1-Dichloropropene
 Concen: 20.394 ug/l
 RT: 5.12 min Scan# 1252
 Delta R.T. 0.00 min
 Lab File: VU034136.D
 Acq: 31 Aug 2019 21:30

Tgt Ion: 75 Resp: 125800
 Ion Ratio Lower Upper
 75 100
 110 36.0 17.8 53.5
 77 31.1 25.0 37.4

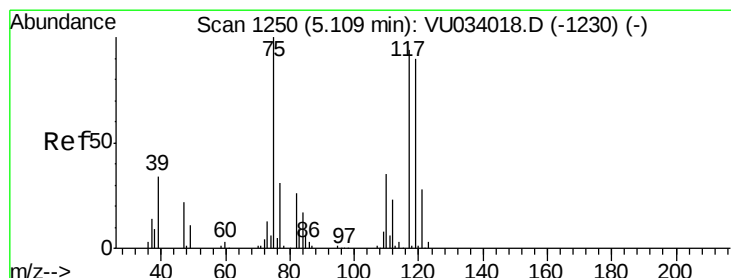
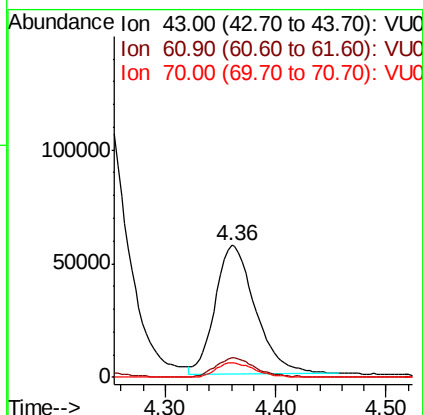
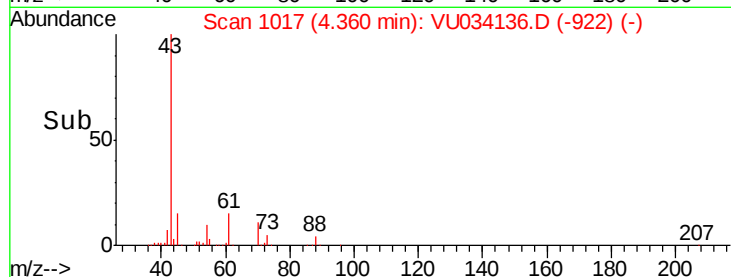
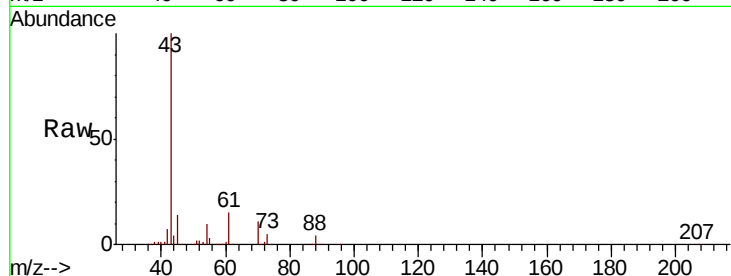




#37
Ethyl Acetate
Concen: 20.912 ug/l
RT: 4.36 min Scan# 1017
Delta R.T. 0.01 min
Lab File: VU034136.D
Acq: 31 Aug 2019 21:30

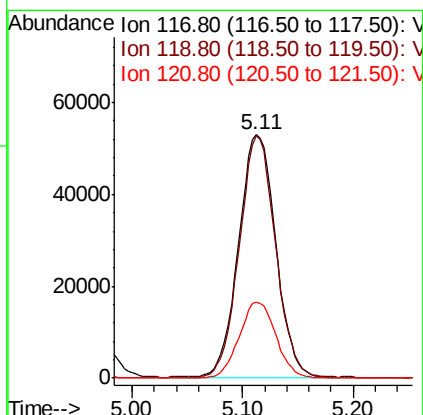
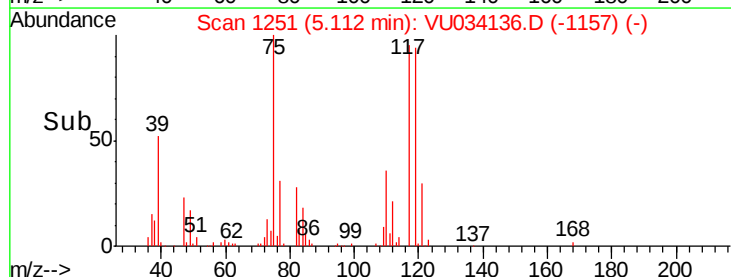
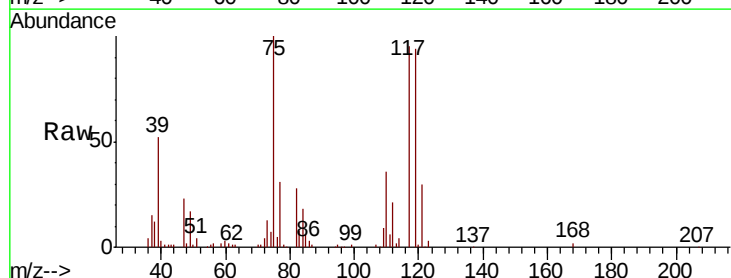
Instrument :
MSVOA_U
ClientSampleId :
VU0902WBSD01

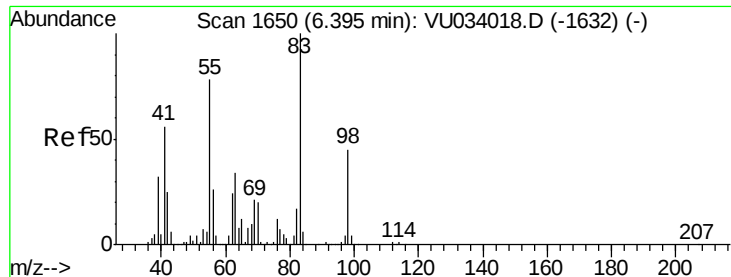
Tgt Ion: 43 Resp: 144449
Ion Ratio Lower Upper
43 100
61 14.3 11.5 17.3
70 10.9 8.6 12.8



#38
Carbon Tetrachloride
Concen: 20.672 ug/l
RT: 5.11 min Scan# 1251
Delta R.T. 0.00 min
Lab File: VU034136.D
Acq: 31 Aug 2019 21:30

Tgt Ion: 117 Resp: 123083
Ion Ratio Lower Upper
117 100
119 99.8 77.0 115.4
121 31.5 23.9 35.9

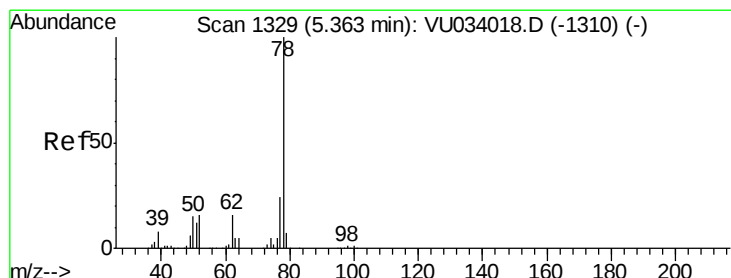
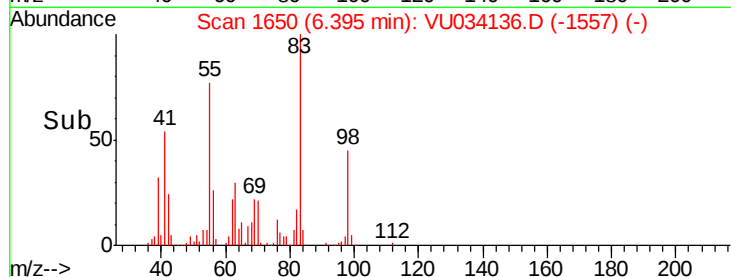
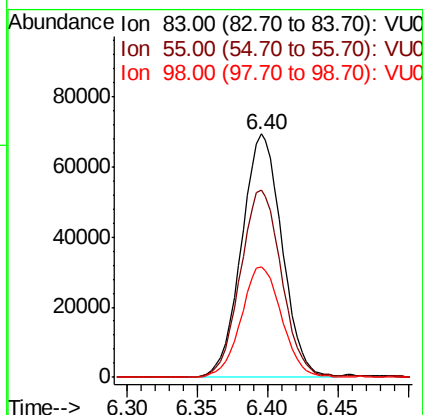
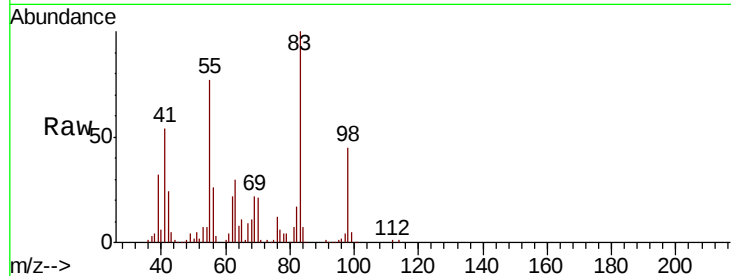




#39
Methylcyclohexane
Concen: 19.163 ug/l
RT: 6.40 min Scan# 1650
Delta R.T. 0.00 min
Lab File: VU034136.D
Acq: 31 Aug 2019 21:30

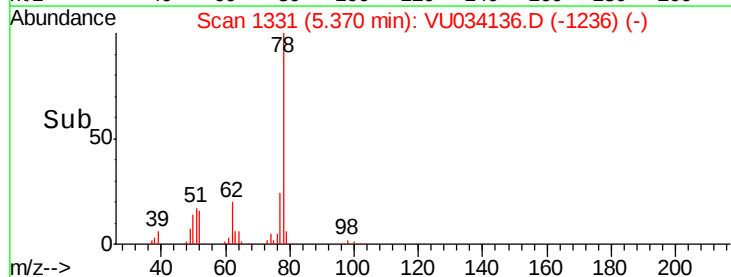
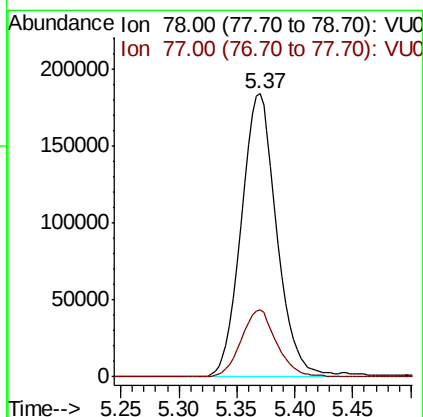
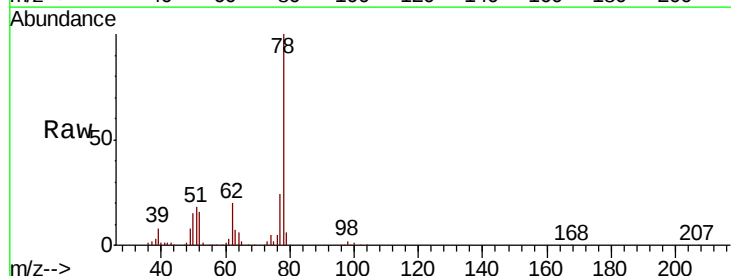
Instrument :
MSVOA_U
ClientSampleId :
VU0902WBSD01

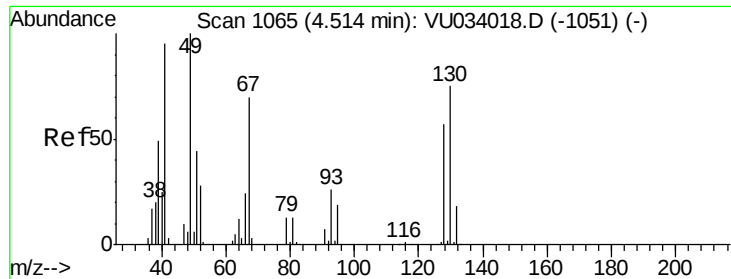
Tgt Ion: 83 Resp: 139322
Ion Ratio Lower Upper
83 100
55 77.0 62.3 93.5
98 45.5 36.2 54.2



#40
Benzene
Concen: 20.990 ug/l
RT: 5.37 min Scan# 1331
Delta R.T. 0.01 min
Lab File: VU034136.D
Acq: 31 Aug 2019 21:30

Tgt Ion: 78 Resp: 391745
Ion Ratio Lower Upper
78 100
77 23.7 19.0 28.6

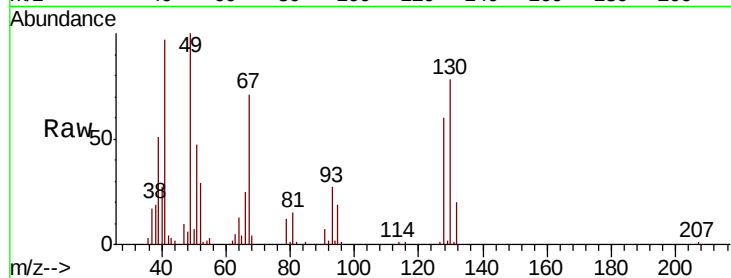




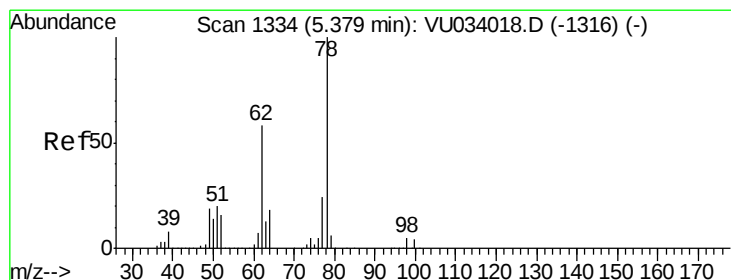
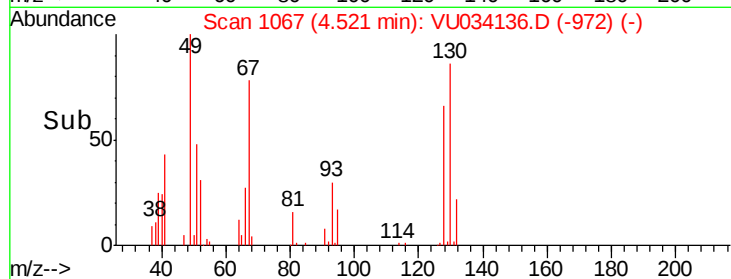
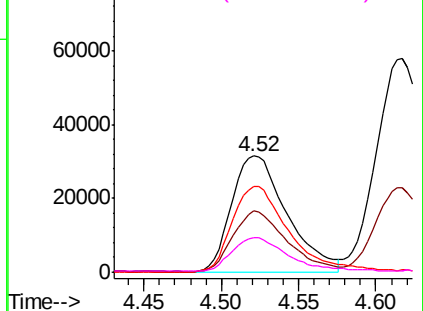
#41
Methacrylonitrile
Concen: 21.950 ug/l
RT: 4.52 min Scan# 1067
Delta R.T. 0.01 min
Lab File: VU034136.D
Acq: 31 Aug 2019 21:30

Instrument :
MSVOA_U
ClientSampleId :
VU0902WBSD01

Tgt Ion:	41	Resp:	77759
Ion	Ratio	Lower	Upper
41	100		
39	51.2	42.1	63.1
67	77.6	61.0	91.4
52	29.5	23.3	34.9

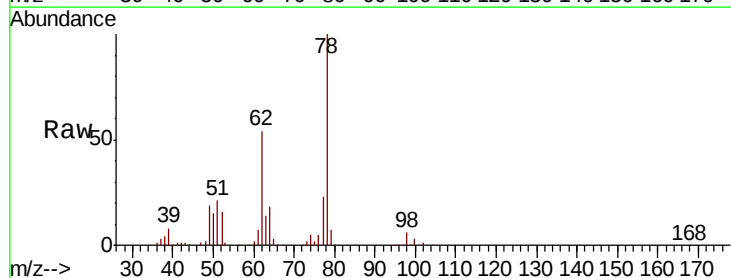


Abundance Ion 41.00 (40.70 to 41.70): VU0
Ion 39.00 (38.70 to 39.70): VU0
Ion 67.00 (66.70 to 67.70): VU0
Ion 52.00 (51.70 to 52.70): VU0

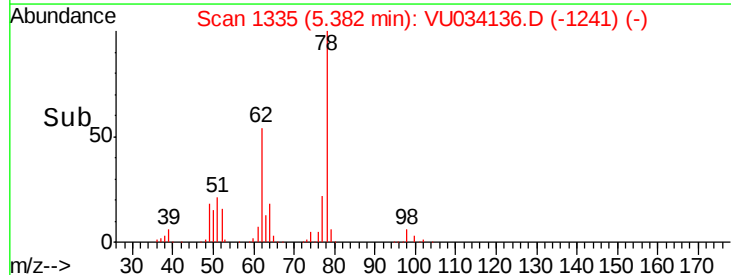
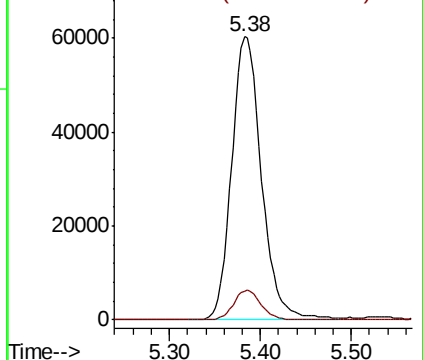


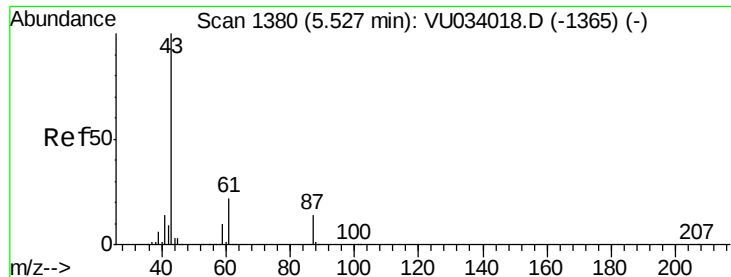
#42
1,2-Dichloroethane
Concen: 21.299 ug/l
RT: 5.38 min Scan# 1335
Delta R.T. 0.00 min
Lab File: VU034136.D
Acq: 31 Aug 2019 21:30

Tgt Ion:	62	Resp:	137262
Ion	Ratio	Lower	Upper
62	100		
98	9.8	0.0	18.2



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





#43

Isopropyl Acetate

Concen: 20.935 ug/l

RT: 5.53 min Scan# 1381

Delta R.T. 0.00 min

Lab File: VU034136.D

Acq: 31 Aug 2019 21:30

Instrument :

MSVOA_U

ClientSampleId :

VU0902WBSD01

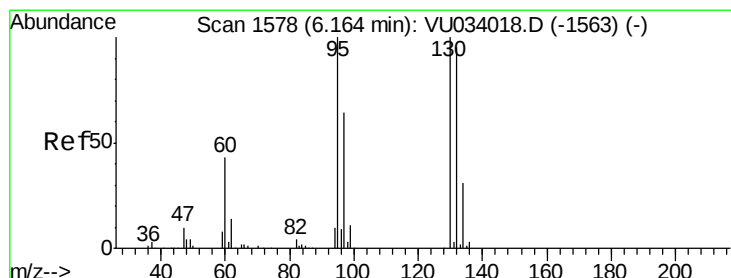
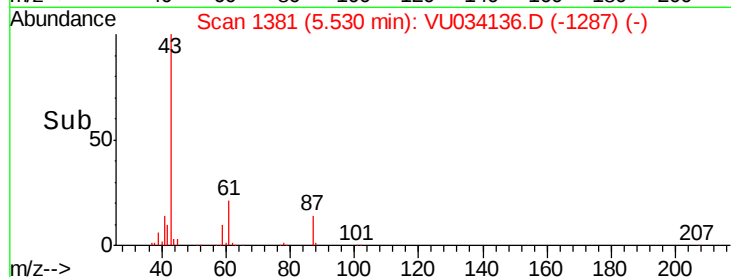
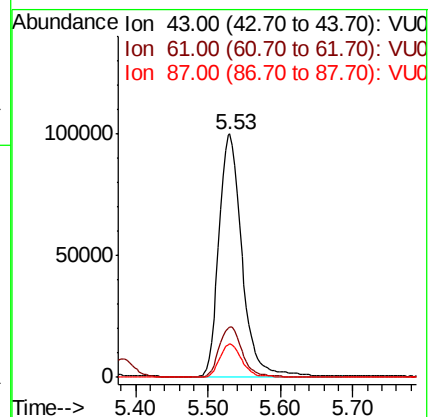
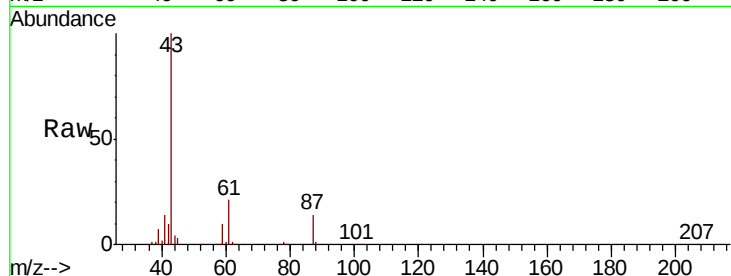
Tgt Ion: 43 Resp: 220003

Ion Ratio Lower Upper

43 100

61 21.0 17.2 25.8

87 13.3 10.8 16.2



#44

Trichloroethene

Concen: 22.035 ug/l

RT: 6.17 min Scan# 1579

Delta R.T. 0.00 min

Lab File: VU034136.D

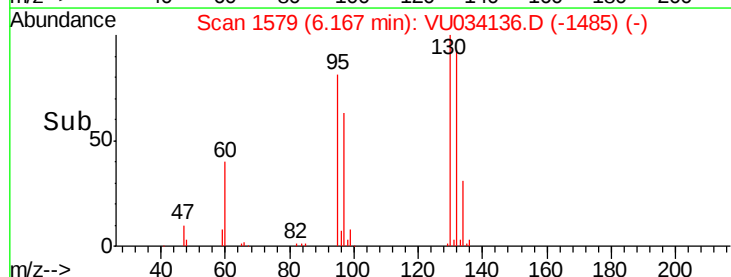
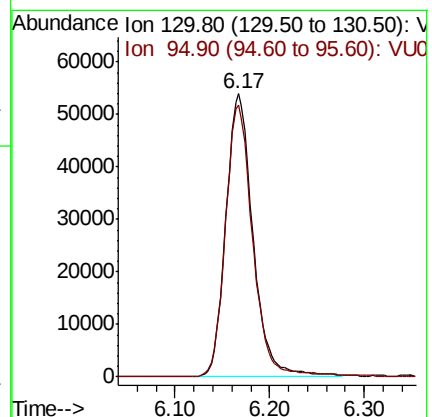
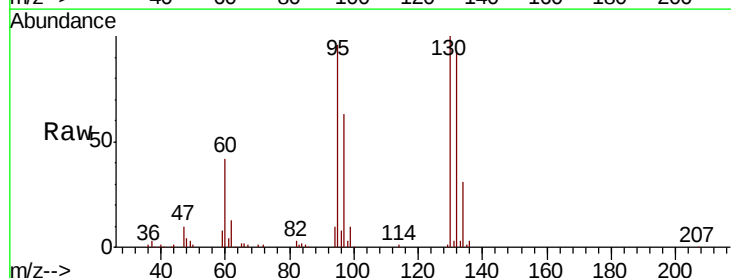
Acq: 31 Aug 2019 21:30

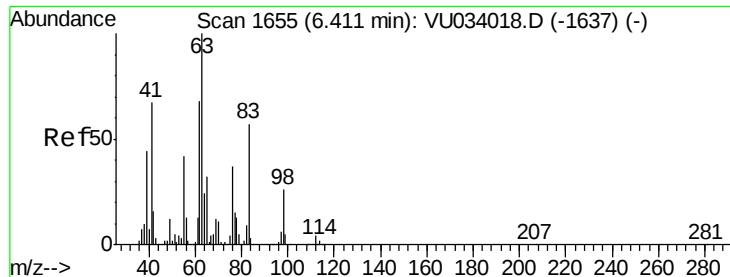
Tgt Ion: 130 Resp: 107991

Ion Ratio Lower Upper

130 100

95 96.2 0.0 199.6





#45

1,2-Dichloropropane

Concen: 21.276 ug/l

RT: 6.41 min Scan# 1655

Delta R.T. 0.00 min

Lab File: VU034136.D

Acq: 31 Aug 2019 21:30

Instrument :

MSVOA_U

ClientSampleId :

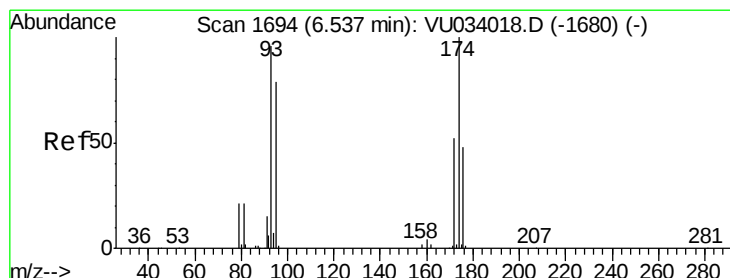
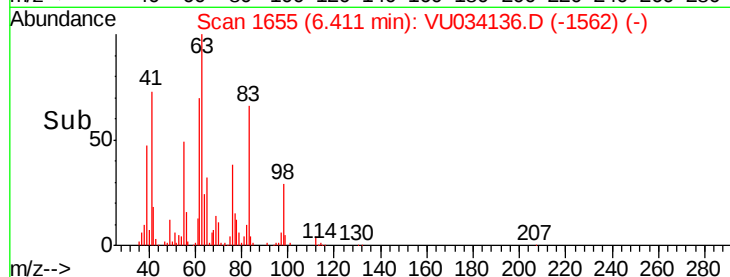
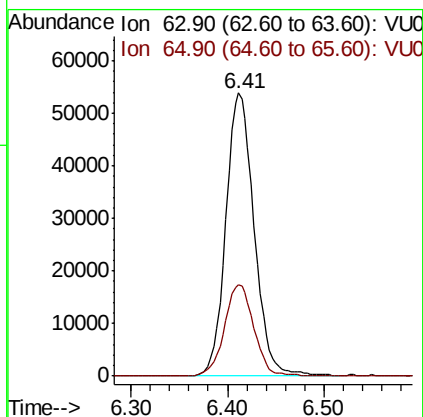
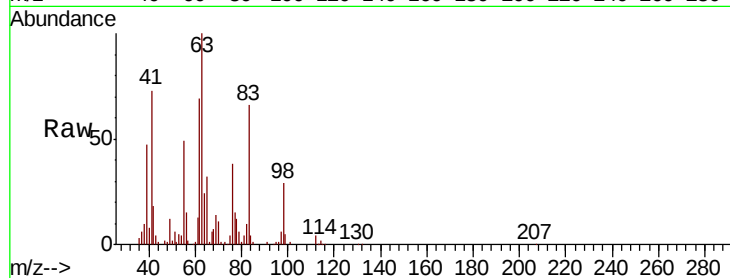
VU0902WBSD01

Tgt Ion: 63 Resp: 109305

Ion Ratio Lower Upper

63 100

65 32.1 25.4 38.2



#46

Dibromomethane

Concen: 21.016 ug/l

RT: 6.54 min Scan# 1695

Delta R.T. 0.00 min

Lab File: VU034136.D

Acq: 31 Aug 2019 21:30

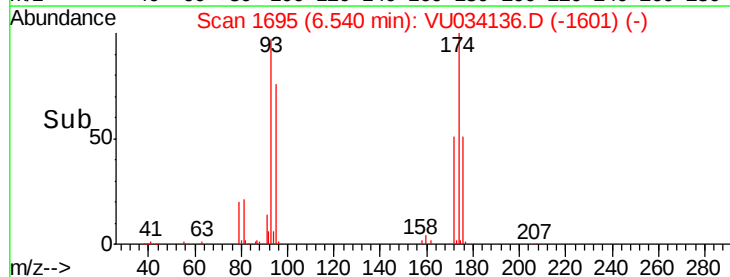
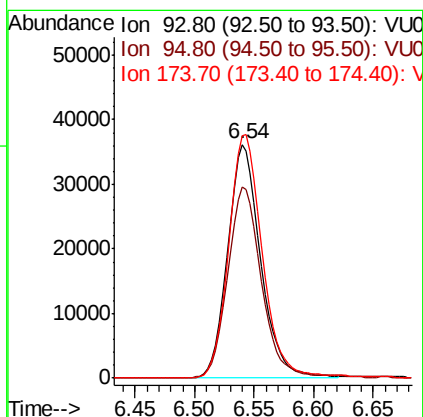
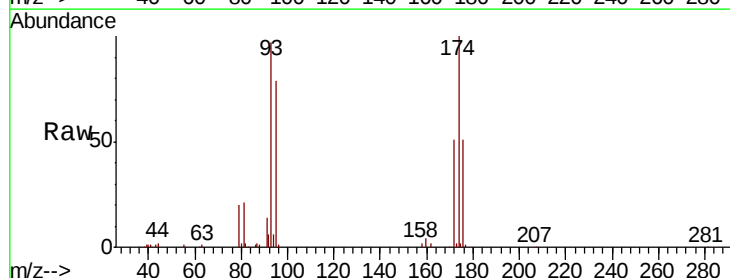
Tgt Ion: 93 Resp: 69560

Ion Ratio Lower Upper

93 100

95 84.3 66.7 100.1

174 105.8 84.9 127.3





#47

Bromodichloromethane

Concen: 21.215 ug/l

RT: 6.74 min Scan# 1756

Delta R.T. 0.00 min

Lab File: VU034136.D

Acq: 31 Aug 2019 21:30

Instrument :

MSVOA_U

ClientSampleId :

VU0902WBSD01

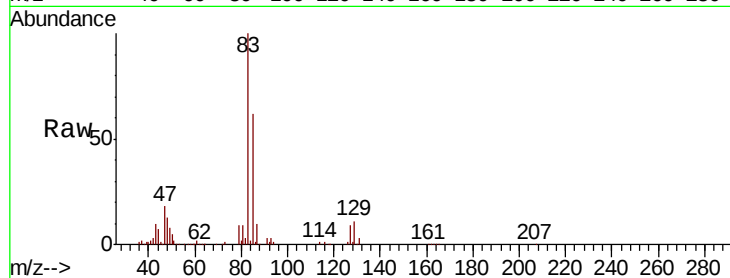
Tgt Ion: 83 Resp: 137384

Ion Ratio Lower Upper

83 100

85 62.4 51.2 76.8

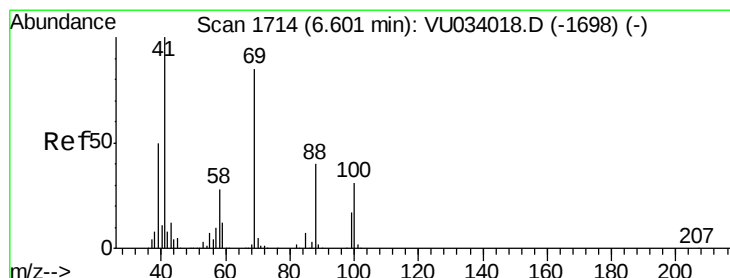
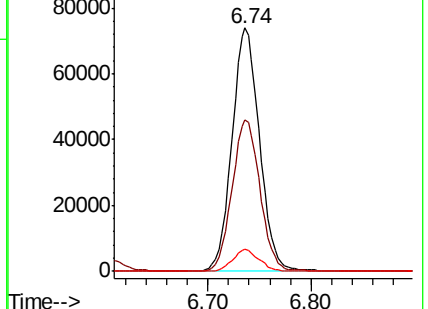
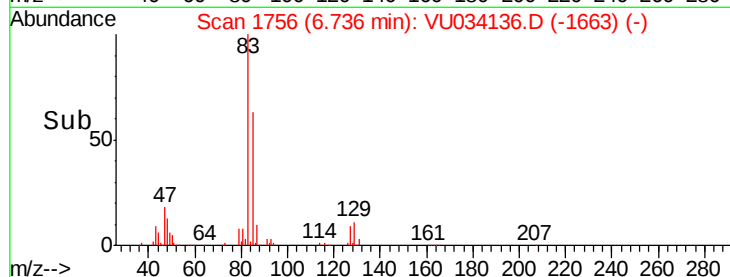
127 8.9 7.0 10.6



Abundance Ion 82.90 (82.60 to 83.60): VU034136.D (-1663) (-)

Ion 84.90 (84.60 to 85.60): VU034136.D (-1663) (-)

Ion 126.80 (126.50 to 127.50): VU034136.D (-1663) (-)



#48

Methyl methacrylate

Concen: 20.304 ug/l

RT: 6.60 min Scan# 1715

Delta R.T. 0.00 min

Lab File: VU034136.D

Acq: 31 Aug 2019 21:30

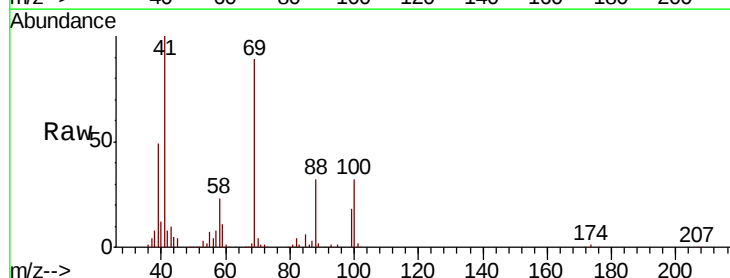
Tgt Ion: 41 Resp: 102961

Ion Ratio Lower Upper

41 100

69 91.3 69.5 104.3

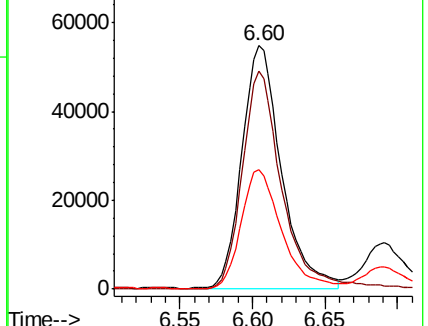
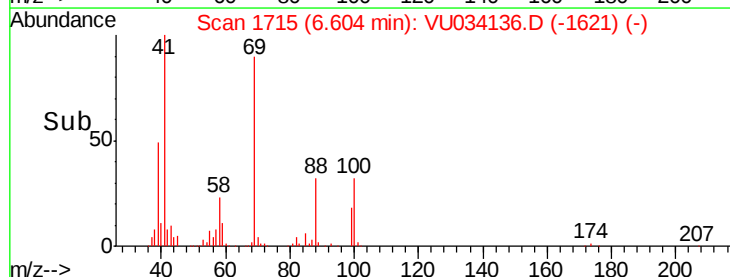
39 50.0 40.3 60.5



Abundance Ion 41.00 (40.70 to 41.70): VU034136.D (-1621) (-)

Ion 69.00 (68.70 to 69.70): VU034136.D (-1621) (-)

Ion 39.00 (38.70 to 39.70): VU034136.D (-1621) (-)

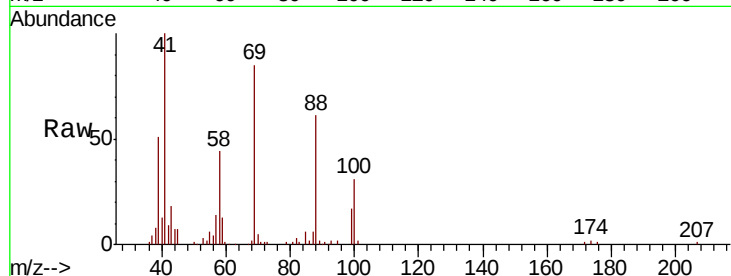




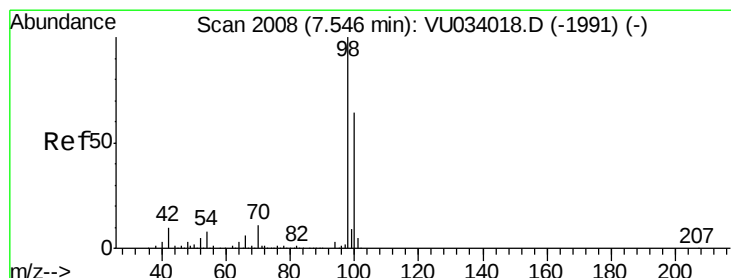
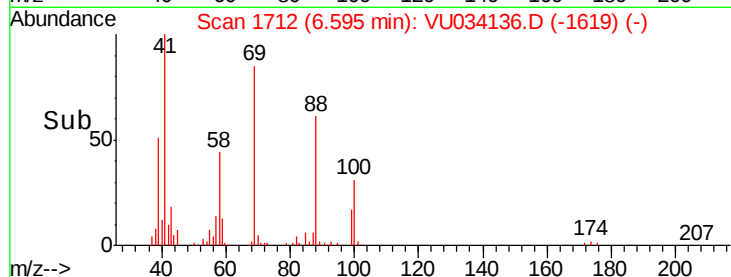
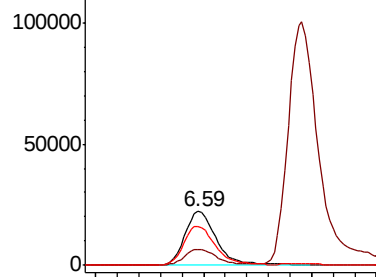
#49
 1,4-Dioxane
 Concen: 350.860 ug/l
 RT: 6.59 min Scan# 1712
 Delta R.T. 0.00 min
 Lab File: VU034136.D
 Acq: 31 Aug 2019 21:30

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0902WBSD01

Tgt Ion: 88 Resp: 44580
 Ion Ratio Lower Upper
 88 100
 43 29.7 24.8 37.2
 58 74.9 59.3 88.9

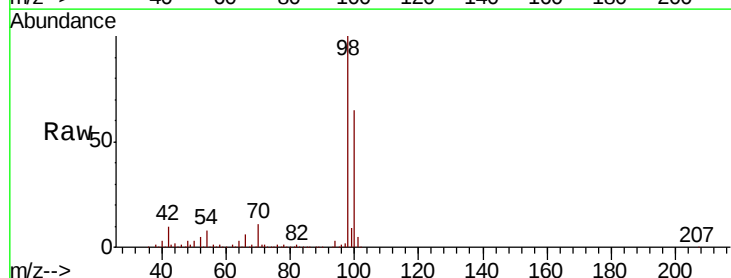


Abundance Ion 88.00 (87.70 to 88.70): VU0
 Ion 43.00 (42.70 to 43.70): VU0
 Ion 58.00 (57.70 to 58.70): VU0

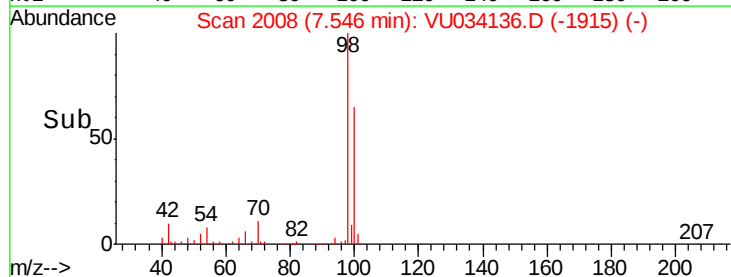
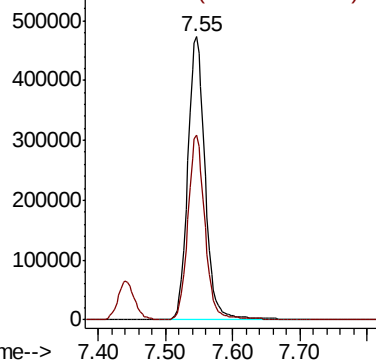


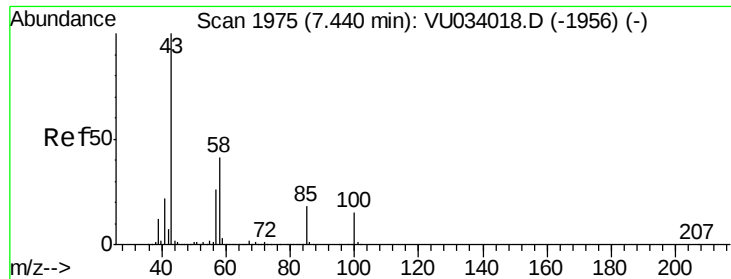
#50
 Toluene-d8
 Concen: 50.459 ug/l
 RT: 7.55 min Scan# 2008
 Delta R.T. 0.00 min
 Lab File: VU034136.D
 Acq: 31 Aug 2019 21:30

Tgt Ion: 98 Resp: 854612
 Ion Ratio Lower Upper
 98 100
 100 63.7 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: 104.565 ug/l

RT: 7.44 min Scan# 1975

Delta R.T. 0.00 min

Lab File: VU034136.D

Acq: 31 Aug 2019 21:30

Instrument :

MSVOA_U

ClientSampleId :

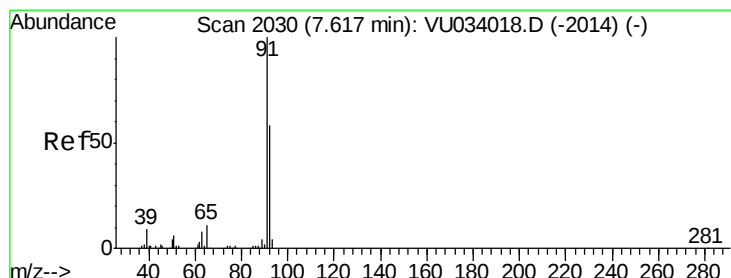
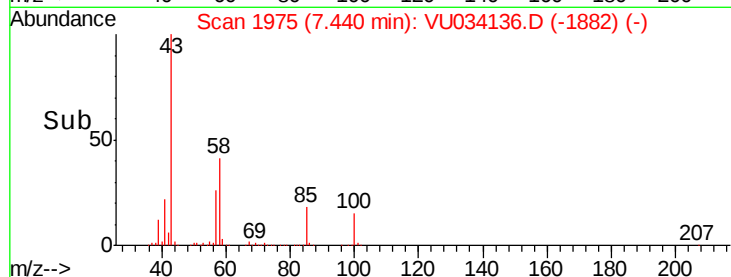
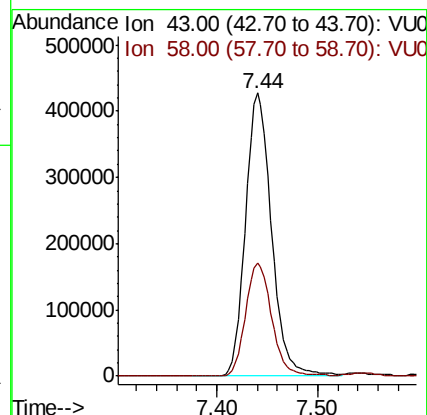
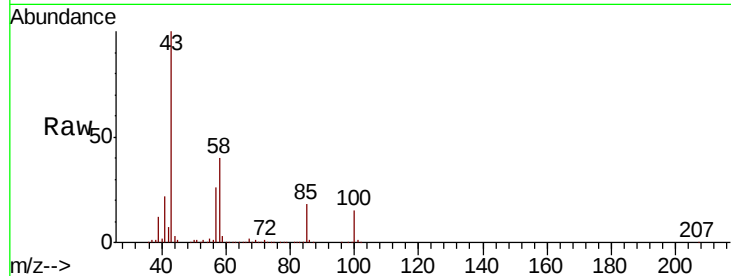
VU0902WBSD01

Tgt Ion: 43 Resp: 758880

Ion Ratio Lower Upper

43 100

58 40.3 32.2 48.4



#52

Toluene

Concen: 21.689 ug/l

RT: 7.62 min Scan# 2030

Delta R.T. 0.00 min

Lab File: VU034136.D

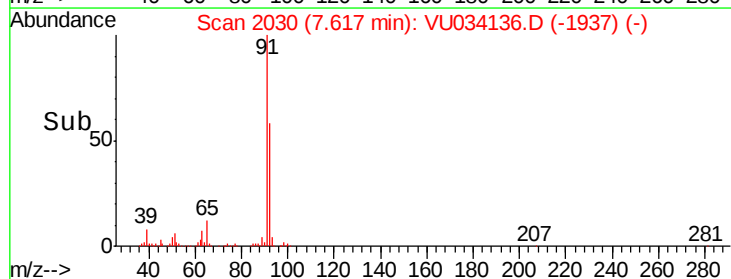
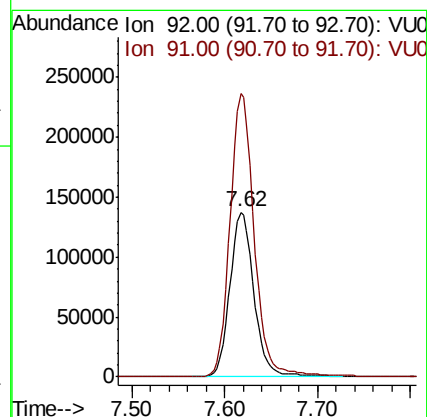
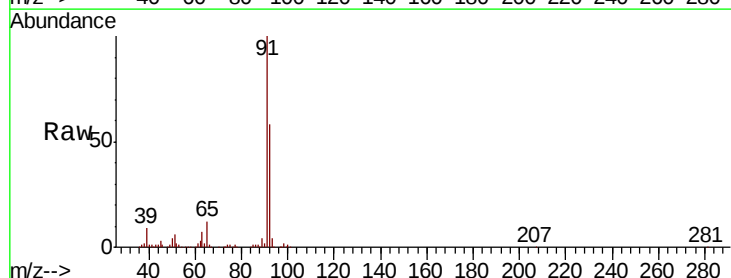
Acq: 31 Aug 2019 21:30

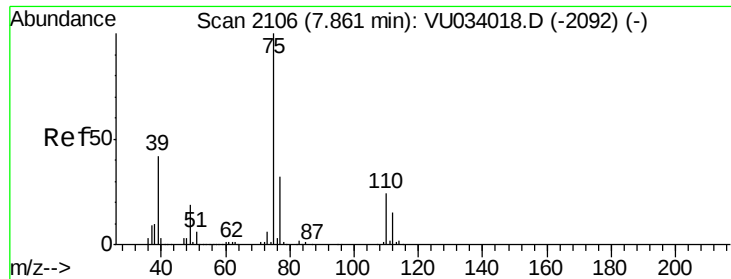
Tgt Ion: 92 Resp: 249356

Ion Ratio Lower Upper

92 100

91 171.4 138.3 207.5





#53

t-1,3-Dichloropropene

Concen: 19.498 ug/l

RT: 7.86 min Scan# 2106

Delta R.T. 0.00 min

Lab File: VU034136.D

Acq: 31 Aug 2019 21:30

Instrument :

MSVOA_U

ClientSampleId :

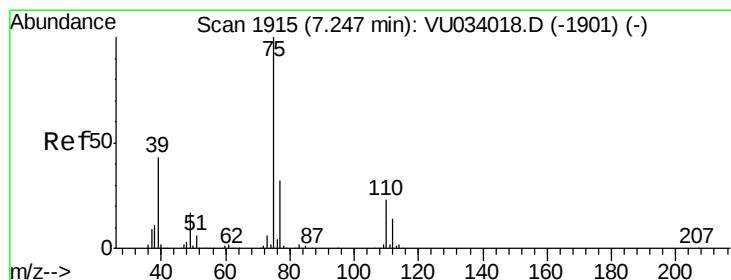
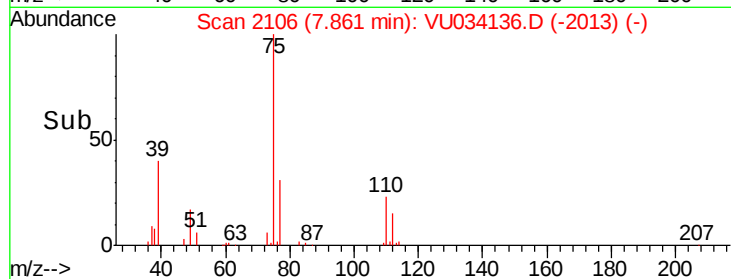
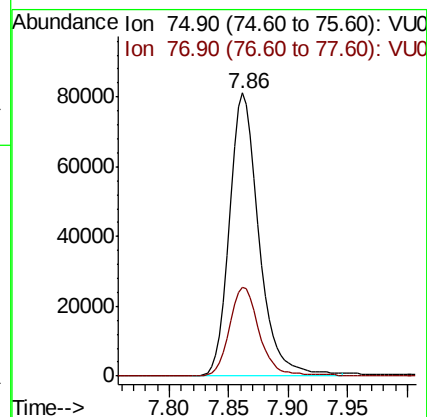
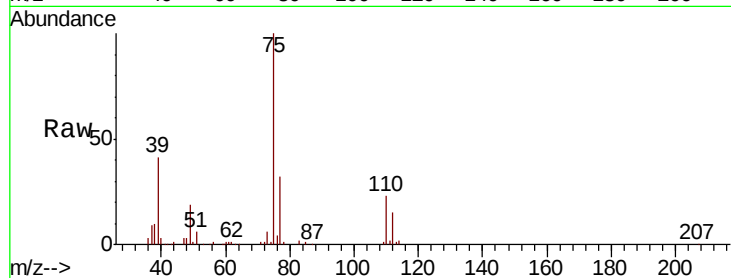
VU0902WBSD01

Tgt Ion: 75 Resp: 140103

Ion Ratio Lower Upper

75 100

77 31.6 25.4 38.0



#54

cis-1,3-Dichloropropene

Concen: 20.208 ug/l

RT: 7.25 min Scan# 1916

Delta R.T. 0.00 min

Lab File: VU034136.D

Acq: 31 Aug 2019 21:30

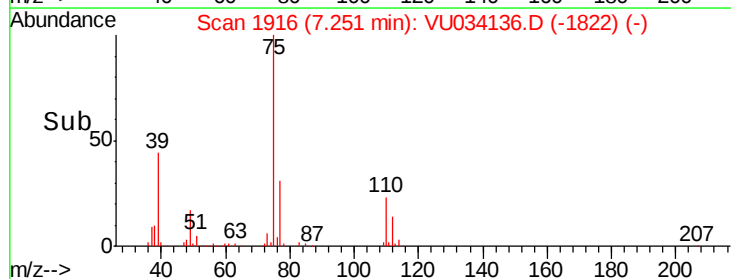
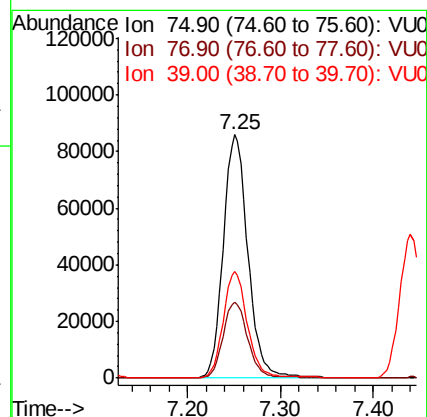
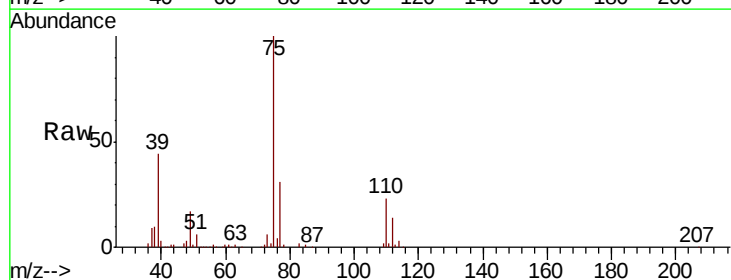
Tgt Ion: 75 Resp: 158636

Ion Ratio Lower Upper

75 100

77 31.3 25.2 37.8

39 43.9 34.6 51.8





#55

1,1,2-Trichloroethane

Concen: 21.092 ug/l

RT: 8.05 min Scan# 2164

Delta R.T. 0.00 min

Lab File: VU034136.D

Acq: 31 Aug 2019 21:30

Instrument :

MSVOA_U

ClientSampleId :

VU0902WBSD01

Tgt Ion: 97 Resp: 102573

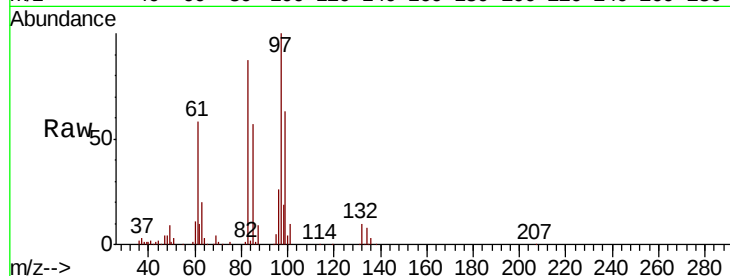
Ion Ratio Lower Upper

97 100

83 87.2 70.1 105.1

85 56.5 45.0 67.4

99 62.7 49.8 74.8

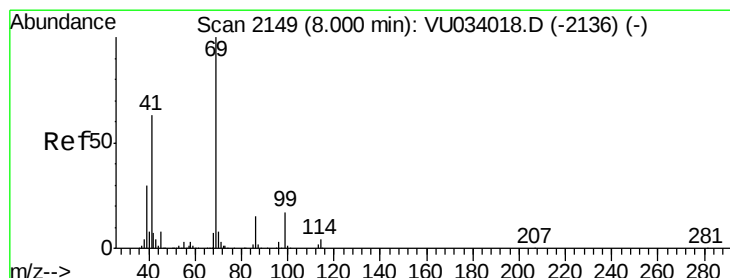
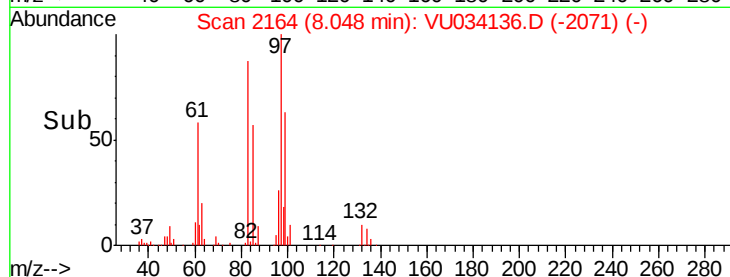
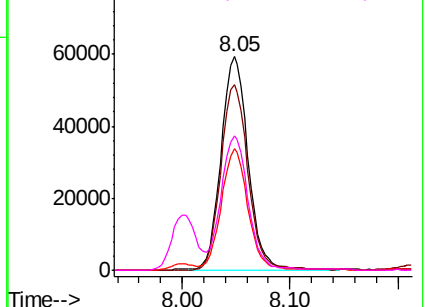


Abundance Ion 96.90 (96.60 to 97.60): VU0

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: 19.030 ug/l

RT: 8.00 min Scan# 2150

Delta R.T. 0.00 min

Lab File: VU034136.D

Acq: 31 Aug 2019 21:30

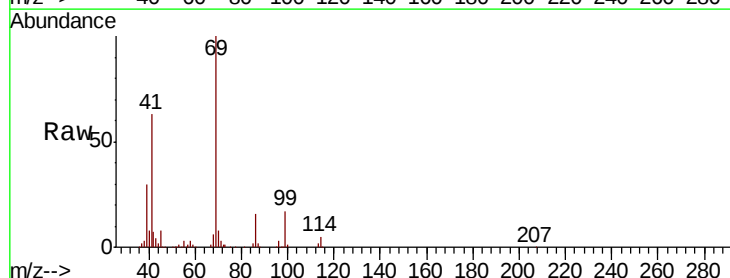
Tgt Ion: 69 Resp: 148551

Ion Ratio Lower Upper

69 100

41 65.0 50.7 76.1

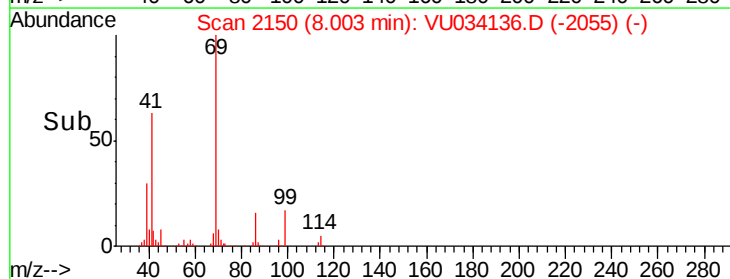
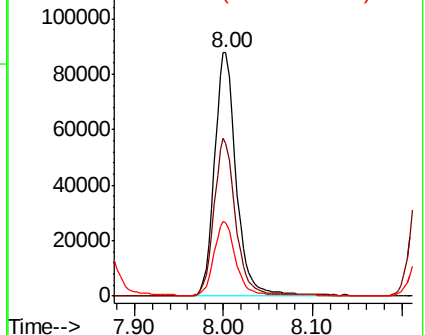
39 29.5 24.2 36.2

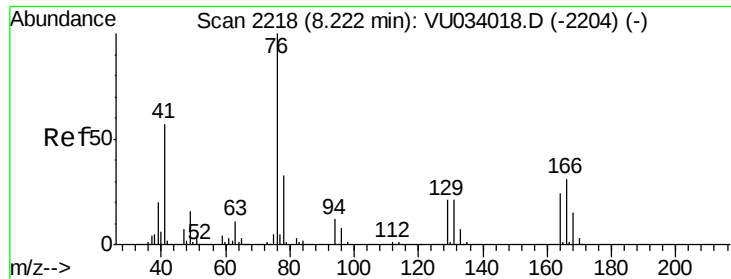


Abundance Ion 69.00 (68.70 to 69.70): VU0

Ion 41.00 (40.70 to 41.70): VU0

Ion 39.00 (38.70 to 39.70): VU0

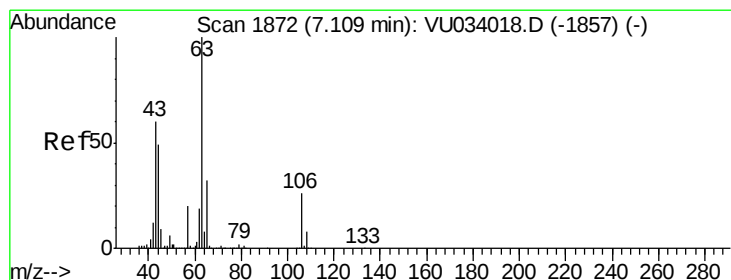
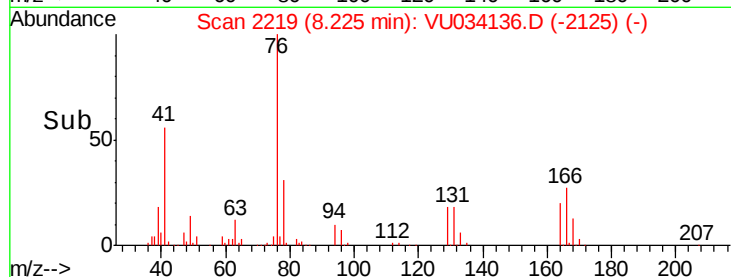
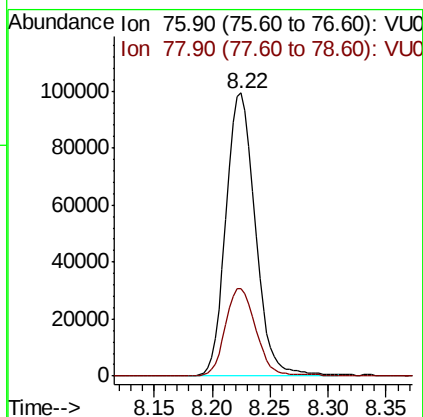
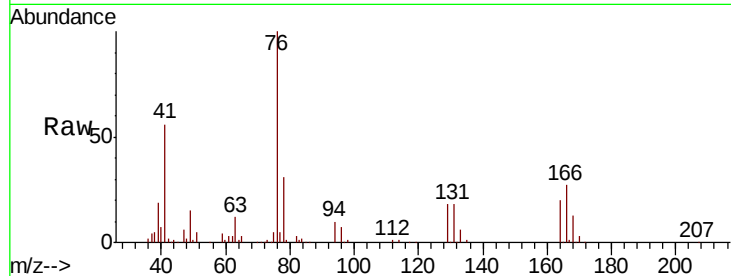




#57
 1,3-Dichloropropane
 Concen: 21.121 ug/l
 RT: 8.22 min Scan# 2219
 Delta R.T. 0.00 min
 Lab File: VU034136.D
 Acq: 31 Aug 2019 21:30

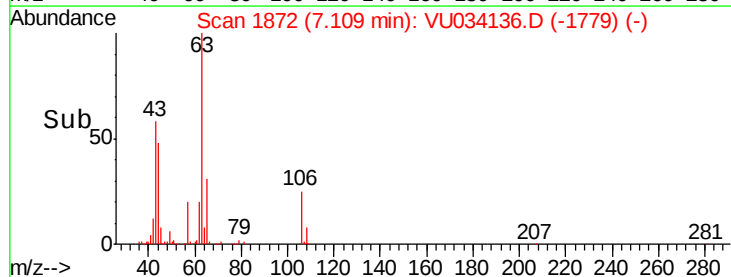
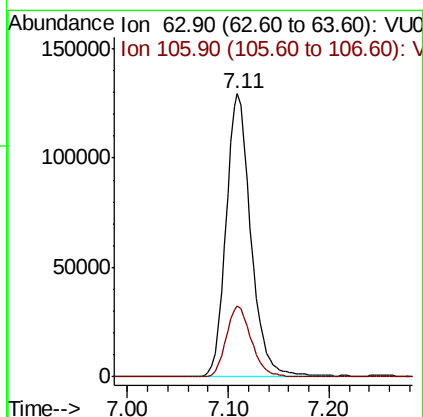
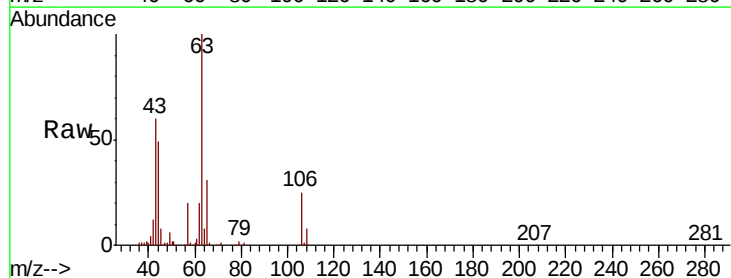
Instrument :
 MSVOA_U
 ClientSampleId :
 VU0902WBSD01

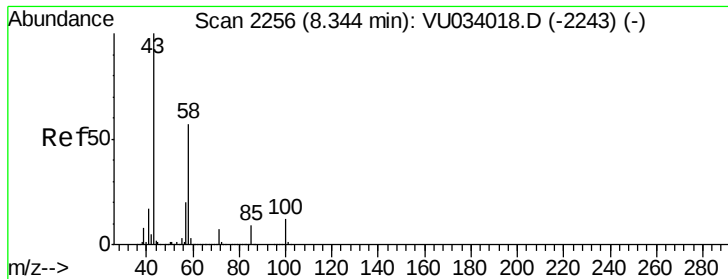
Tgt Ion: 76 Resp: 174400
 Ion Ratio Lower Upper
 76 100
 78 32.3 26.2 39.4



#58
 2-Chloroethyl Vinyl ether
 Concen: 82.764 ug/l
 RT: 7.11 min Scan# 1872
 Delta R.T. 0.00 min
 Lab File: VU034136.D
 Acq: 31 Aug 2019 21:30

Tgt Ion: 63 Resp: 222668
 Ion Ratio Lower Upper
 63 100
 106 25.5 20.7 31.1

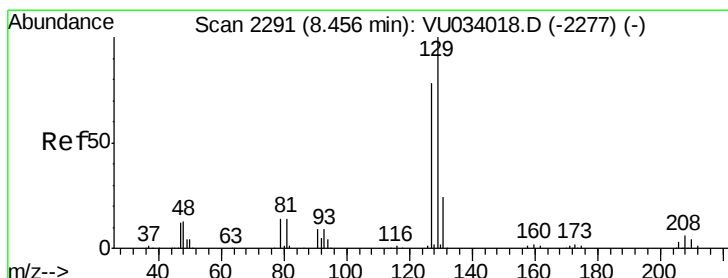
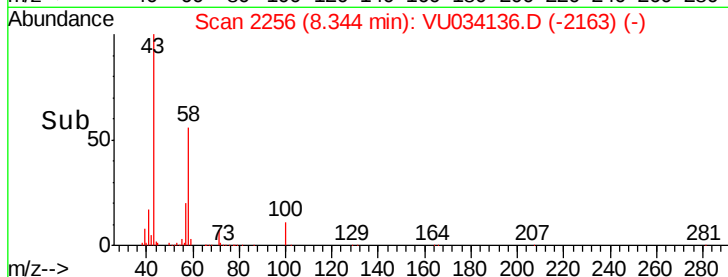
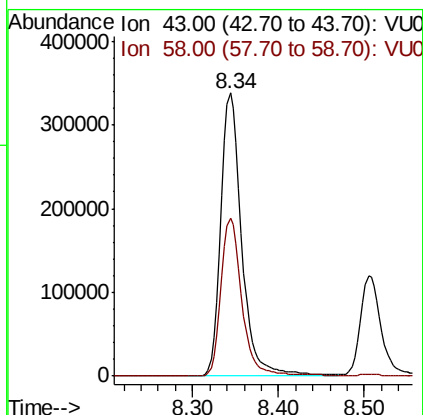
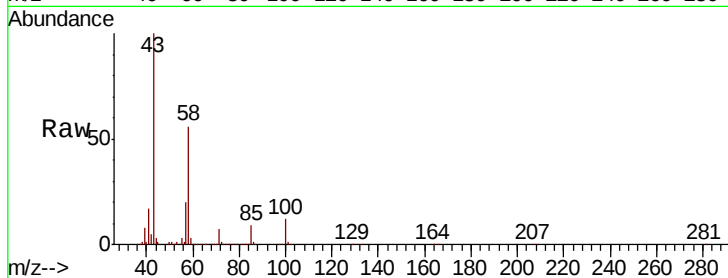




#59
2-Hexanone
Concen: 104.816 ug/l
RT: 8.34 min Scan# 2256
Delta R.T. 0.00 min
Lab File: VU034136.D
Acq: 31 Aug 2019 21:30

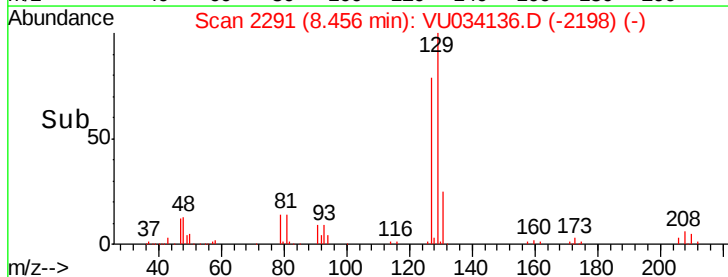
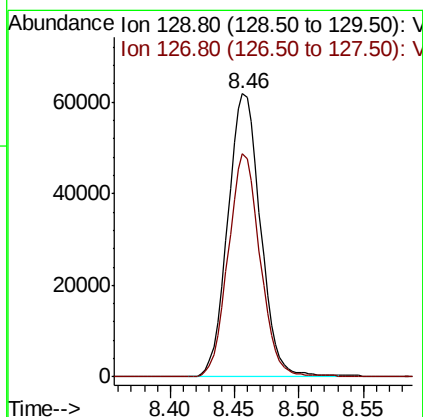
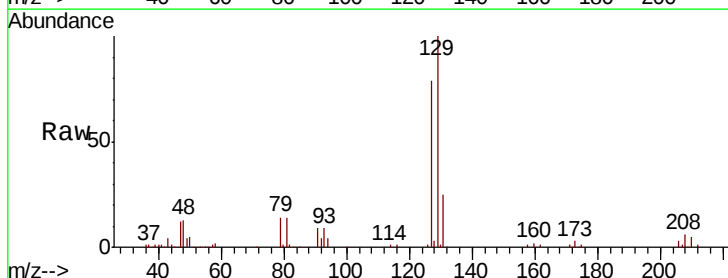
Instrument :
MSVOA_U
ClientSampleId :
VU0902WBSD01

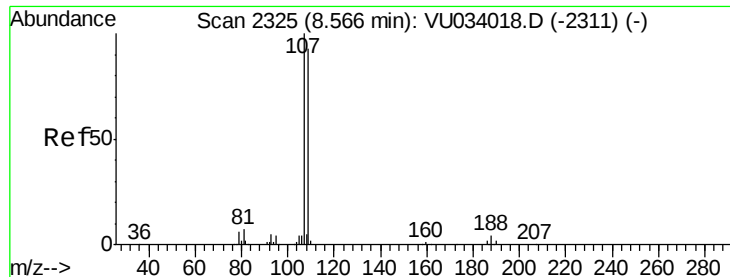
Tgt Ion: 43 Resp: 574264
Ion Ratio Lower Upper
43 100
58 56.3 28.4 85.3



#60
Dibromochloromethane
Concen: 20.820 ug/l
RT: 8.46 min Scan# 2291
Delta R.T. 0.00 min
Lab File: VU034136.D
Acq: 31 Aug 2019 21:30

Tgt Ion: 129 Resp: 108683
Ion Ratio Lower Upper
129 100
127 76.8 39.0 116.9





#61

1,2-Dibromoethane

Concen: 20.856 ug/l

RT: 8.57 min Scan# 2326

Delta R.T. 0.00 min

Lab File: VU034136.D

Acq: 31 Aug 2019 21:30

Instrument :

MSVOA_U

ClientSampleId :

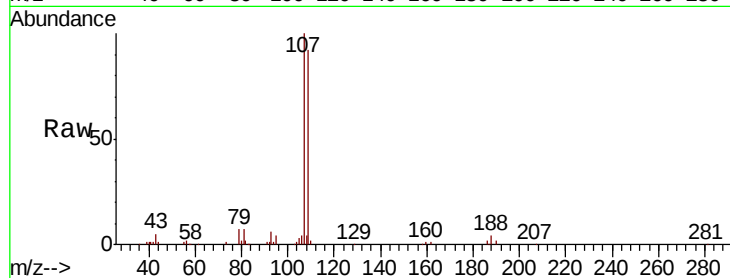
VU0902WBSD01

Tgt Ion: 107 Resp: 106840

Ion Ratio Lower Upper

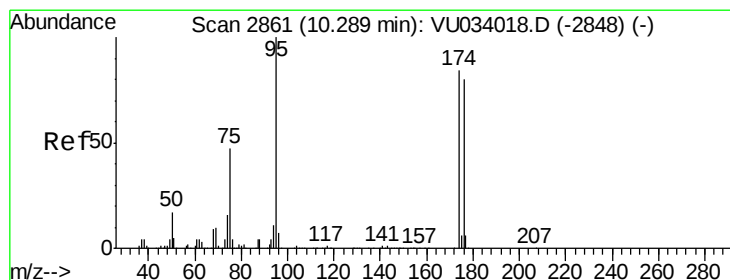
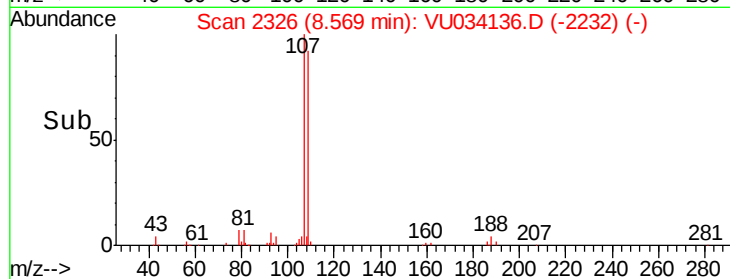
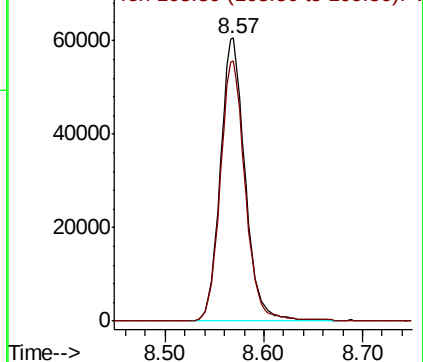
107 100

109 92.4 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: 47.632 ug/l

RT: 10.29 min Scan# 2861

Delta R.T. 0.00 min

Lab File: VU034136.D

Acq: 31 Aug 2019 21:30

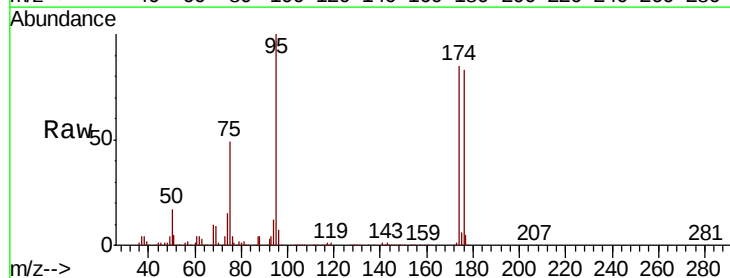
Tgt Ion: 95 Resp: 313810

Ion Ratio Lower Upper

95 100

174 84.6 0.0 168.8

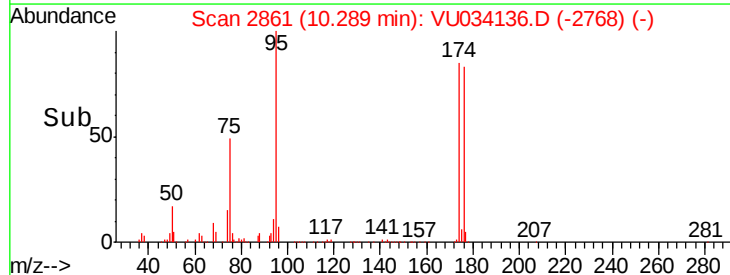
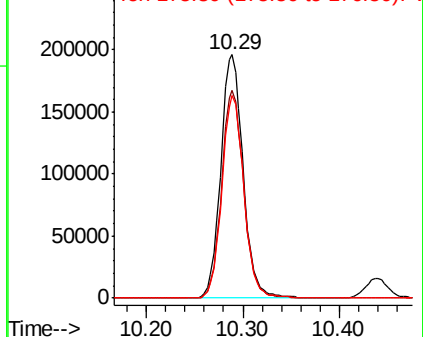
176 82.2 0.0 161.8

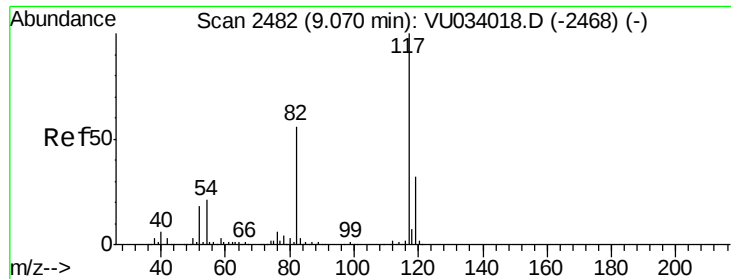


Abundance Ion 94.90 (94.60 to 95.60): VU0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

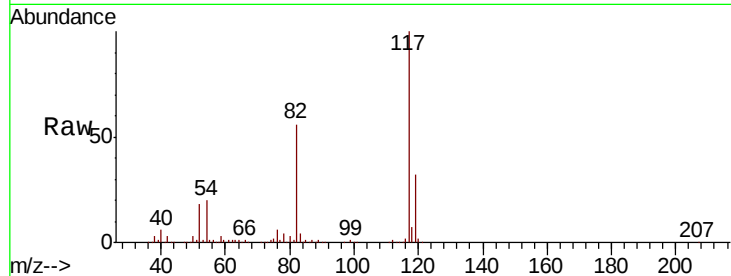




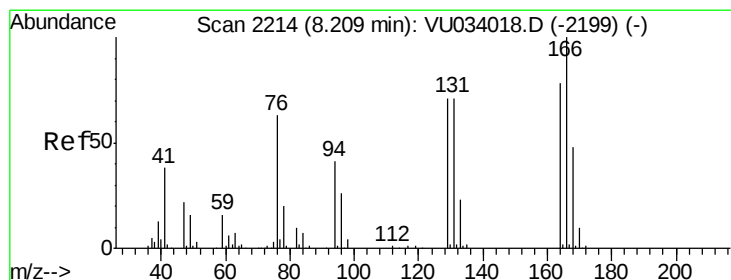
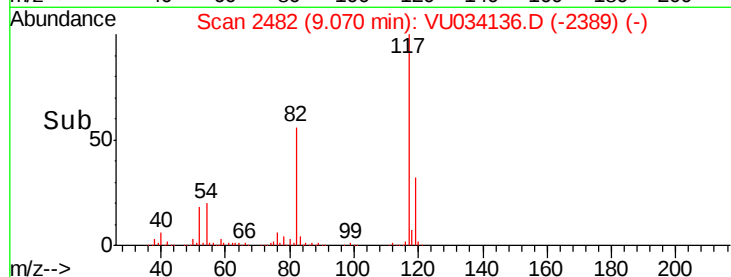
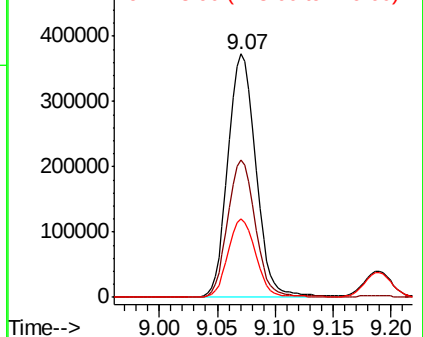
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.07 min Scan# 2482
Delta R.T. 0.00 min
Lab File: VU034136.D
Acq: 31 Aug 2019 21:30

Instrument :
MSVOA_U
ClientSampleId :
VU0902WBSD01

Tgt Ion:117 Resp: 623802
Ion Ratio Lower Upper
117 100
82 56.3 45.1 67.7
119 32.0 25.4 38.0

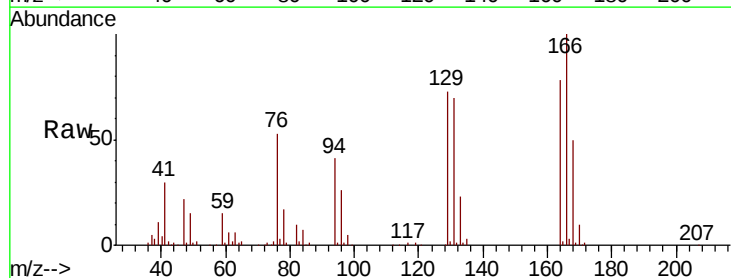


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VU0
Ion 118.90 (118.60 to 119.60): V

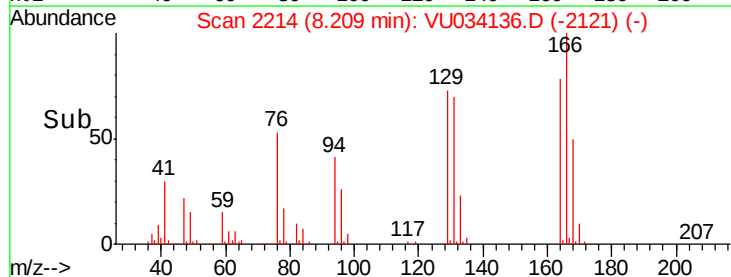
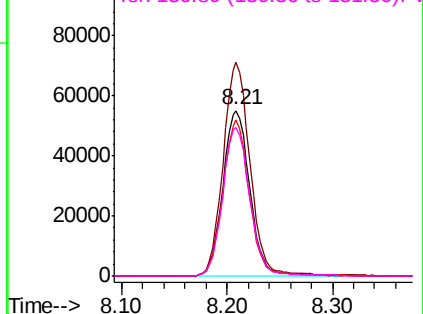


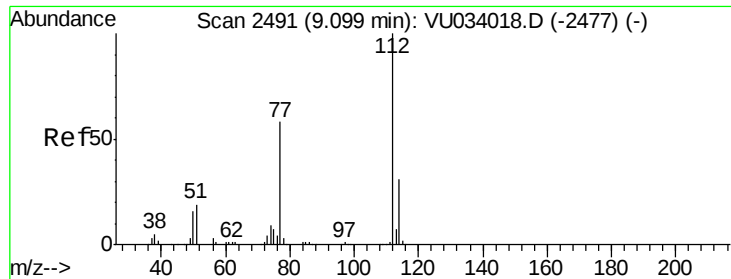
#64
Tetrachloroethene
Concen: 23.292 ug/l
RT: 8.21 min Scan# 2214
Delta R.T. 0.00 min
Lab File: VU034136.D
Acq: 31 Aug 2019 21:30

Tgt Ion:164 Resp: 97574
Ion Ratio Lower Upper
164 100
166 128.9 102.2 153.2
129 94.1 72.4 108.6
131 89.8 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

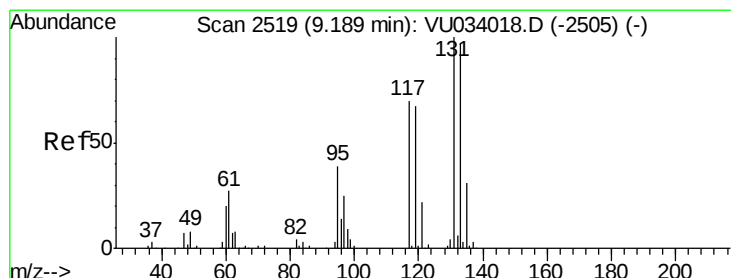
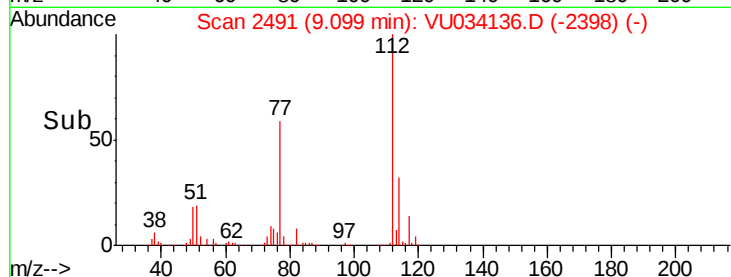
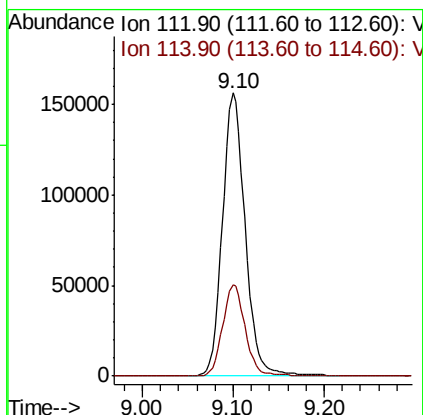
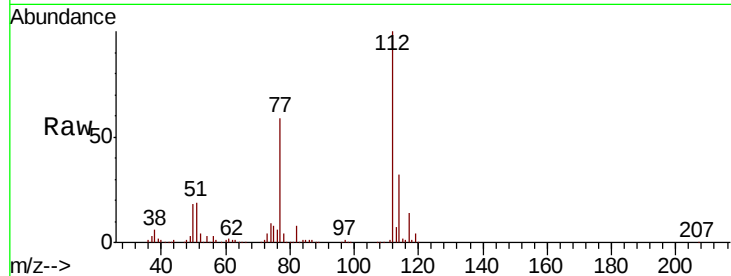




#65
Chlorobenzene
Concen: 21.187 ug/l
RT: 9.10 min Scan# 2491
Delta R.T. 0.00 min
Lab File: VU034136.D
Acq: 31 Aug 2019 21:30

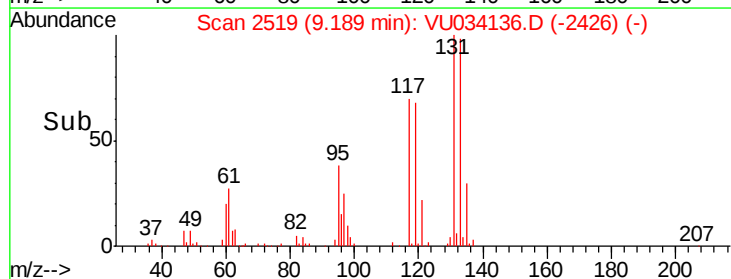
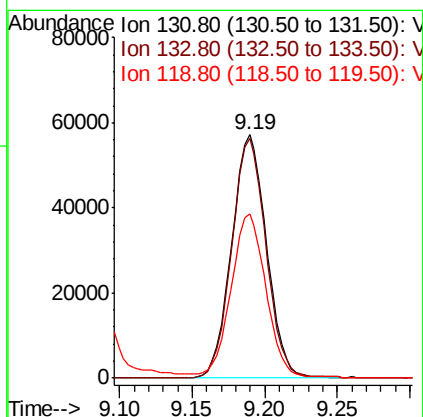
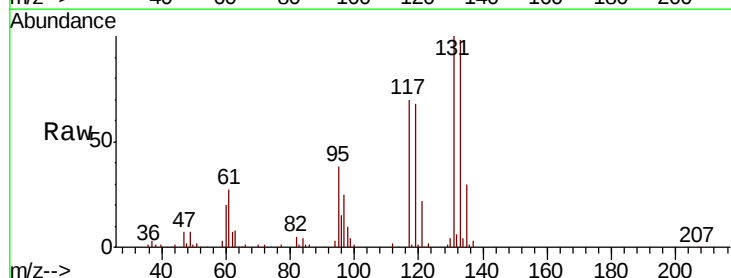
Instrument :
MSVOA_U
ClientSampleId :
VU0902WBSD01

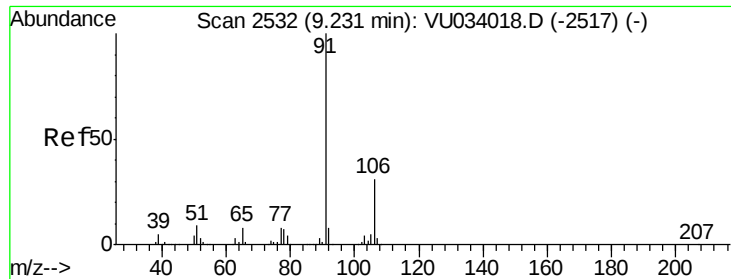
Tgt Ion:112 Resp: 271985
Ion Ratio Lower Upper
112 100
114 32.2 25.0 37.4



#66
1,1,1,2-Tetrachloroethane
Concen: 20.487 ug/l
RT: 9.19 min Scan# 2519
Delta R.T. 0.00 min
Lab File: VU034136.D
Acq: 31 Aug 2019 21:30

Tgt Ion:131 Resp: 95367
Ion Ratio Lower Upper
131 100
133 97.5 48.4 145.2
119 67.3 33.6 100.6

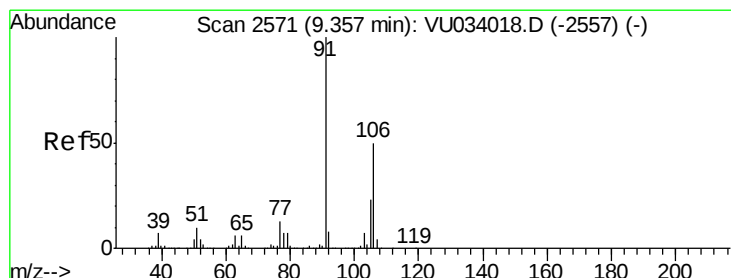
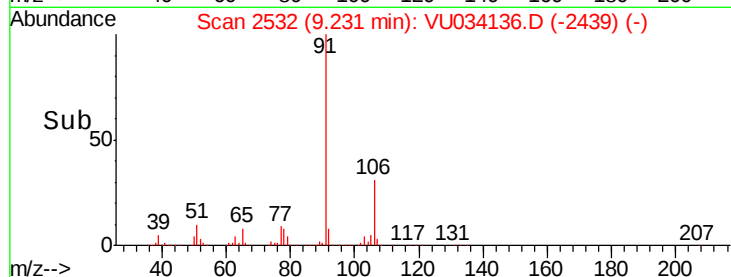
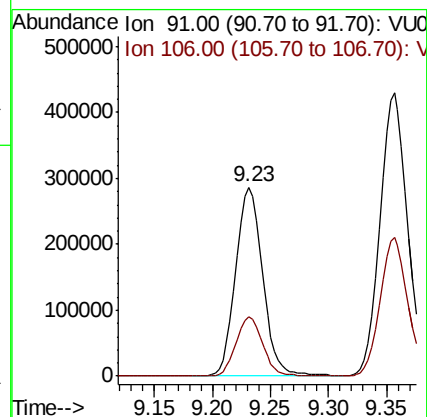
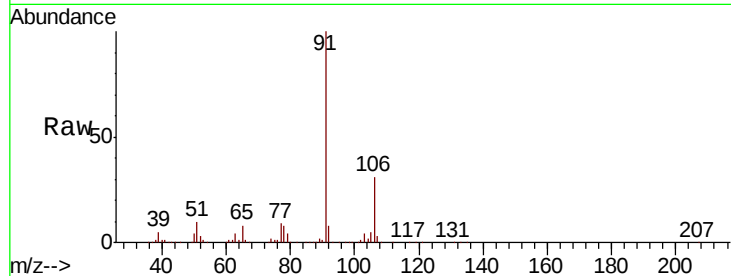




#67
 Ethyl Benzene
 Concen: 21.258 ug/l
 RT: 9.23 min Scan# 2532
 Delta R.T. 0.00 min
 Lab File: VU034136.D
 Acq: 31 Aug 2019 21:30

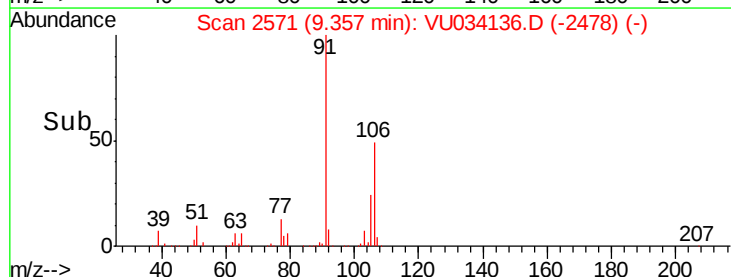
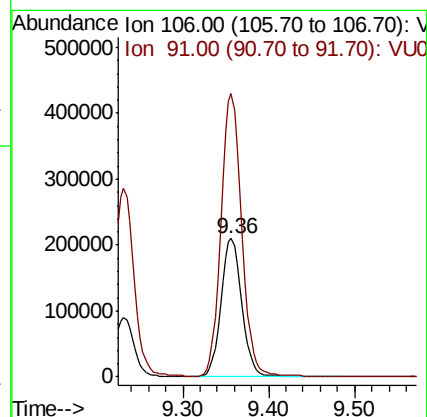
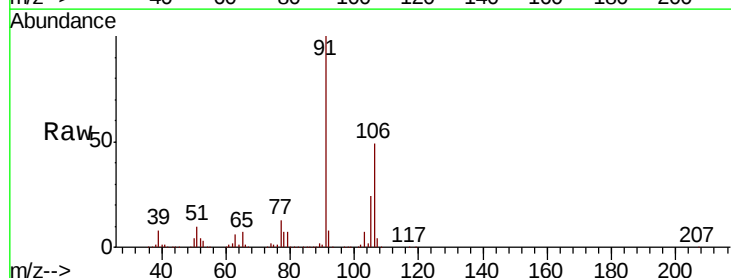
Instrument :
 MSVOA_U
 ClientSampleId :
 VU0902WBSD01

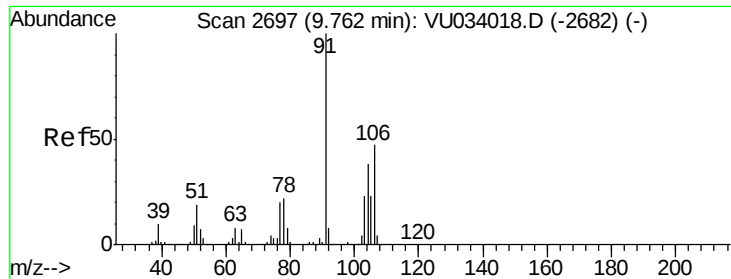
Tgt Ion: 91 Resp: 462592
 Ion Ratio Lower Upper
 91 100
 106 31.4 24.9 37.3



#68
 m/p-Xylenes
 Concen: 42.814 ug/l
 RT: 9.36 min Scan# 2571
 Delta R.T. 0.00 min
 Lab File: VU034136.D
 Acq: 31 Aug 2019 21:30

Tgt Ion: 106 Resp: 354256
 Ion Ratio Lower Upper
 106 100
 91 203.3 161.6 242.4

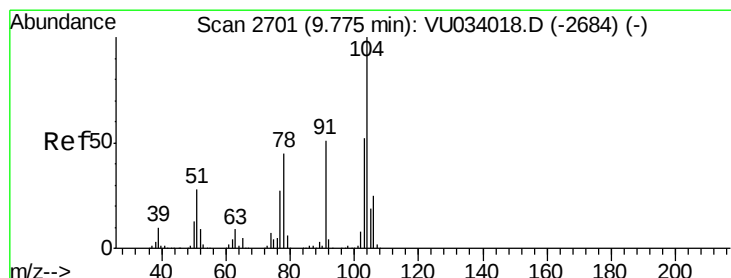
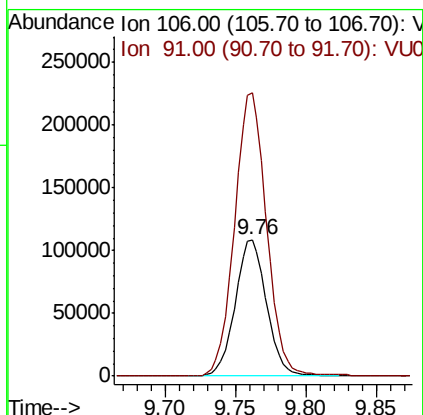
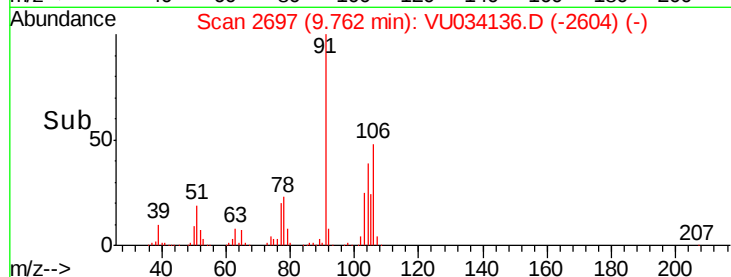
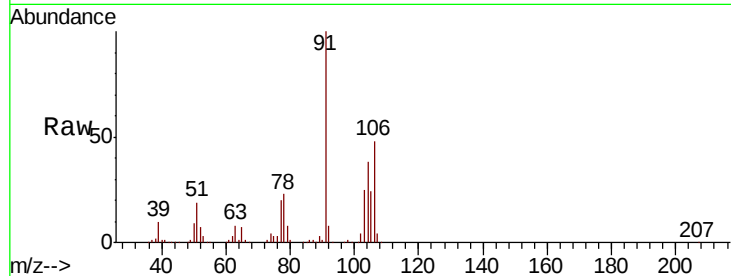




#69
o-Xylene
Concen: 21.265 ug/l
RT: 9.76 min Scan# 2697
Delta R.T. 0.00 min
Lab File: VU034136.D
Acq: 31 Aug 2019 21:30

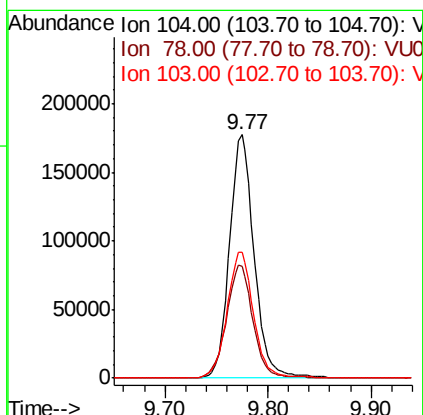
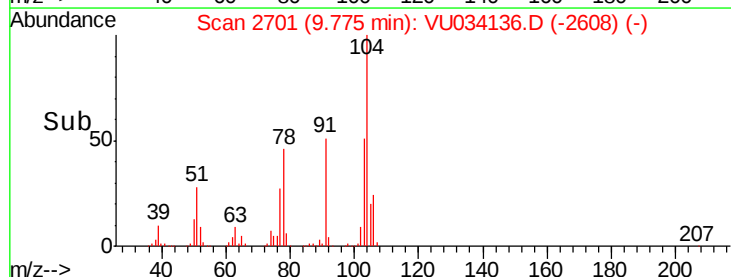
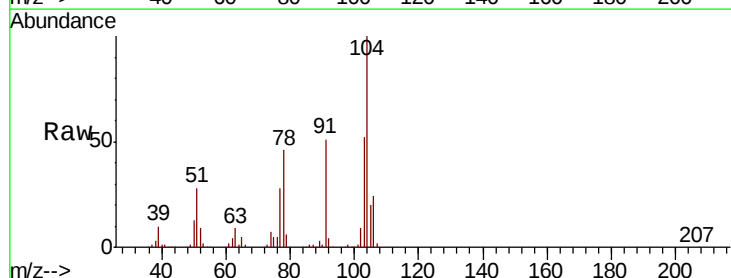
Instrument :
MSVOA_U
ClientSampleId :
VU0902WBSD01

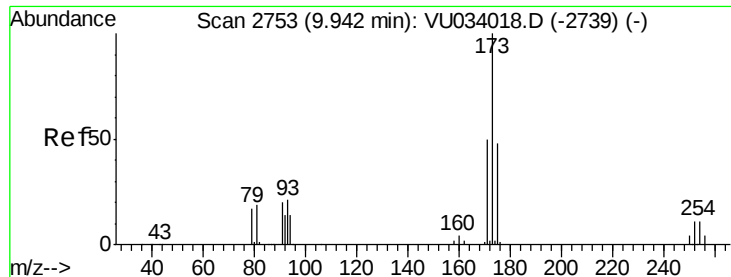
Tgt Ion:106 Resp: 168805
Ion Ratio Lower Upper
106 100
91 212.8 106.0 318.0



#70
Styrene
Concen: 21.733 ug/l
RT: 9.77 min Scan# 2701
Delta R.T. 0.00 min
Lab File: VU034136.D
Acq: 31 Aug 2019 21:30

Tgt Ion:104 Resp: 295807
Ion Ratio Lower Upper
104 100
78 49.8 39.0 58.4
103 55.8 44.0 66.0





#71

Bromoform

Concen: 19.878 ug/l

RT: 9.94 min Scan# 2752

Delta R.T. -0.00 min

Lab File: VU034136.D

Acq: 31 Aug 2019 21:30

Instrument :

MSVOA_U

ClientSampleId :

VU0902WBSD01

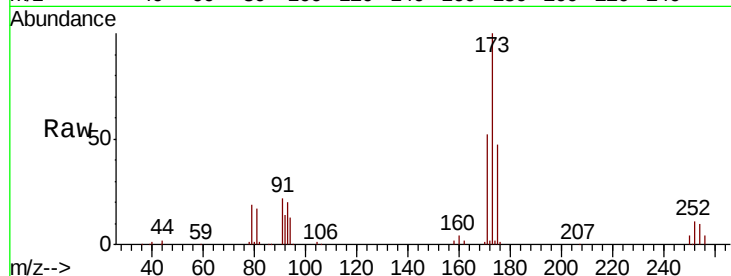
Tgt Ion:173 Resp: 80392

Ion Ratio Lower Upper

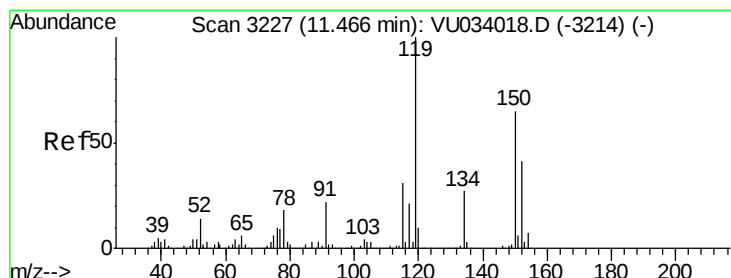
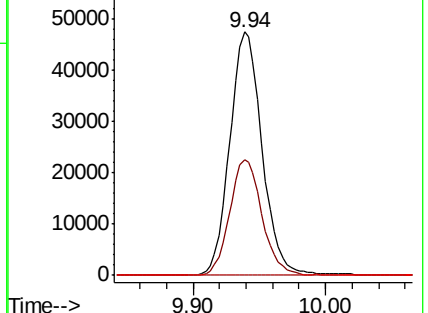
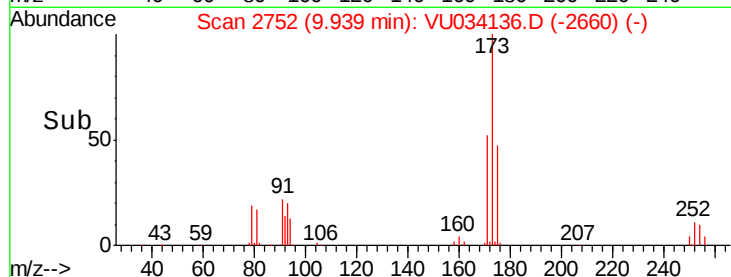
173 100

175 47.1 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: VU034136.D

Acq: 31 Aug 2019 21:30

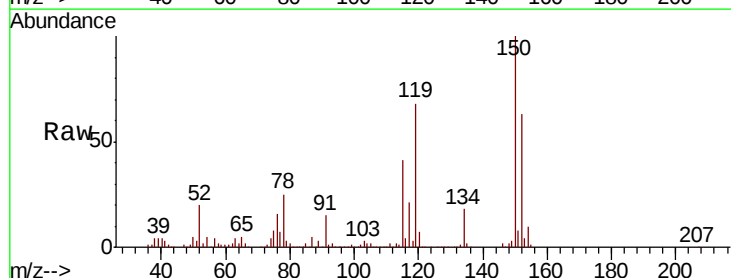
Tgt Ion:152 Resp: 333811

Ion Ratio Lower Upper

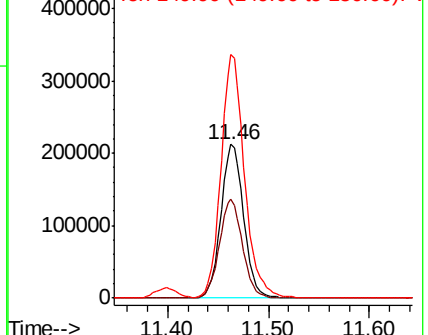
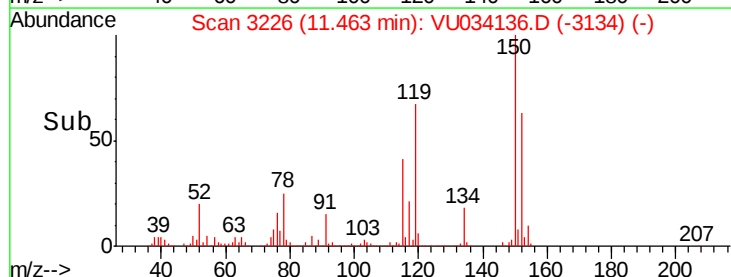
152 100

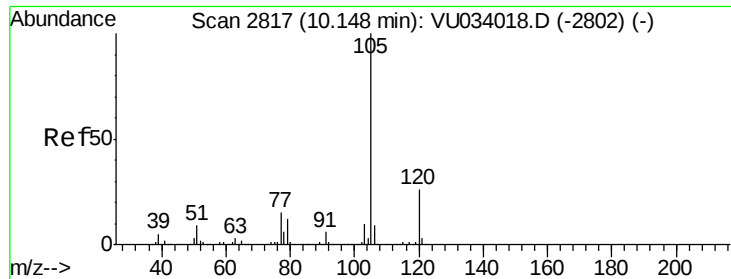
115 65.2 41.1 123.3

150 163.5 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: 20.408 ug/l

RT: 10.15 min Scan# 2817

Delta R.T. 0.00 min

Lab File: VU034136.D

Acq: 31 Aug 2019 21:30

Instrument :

MSVOA_U

ClientSampleId :

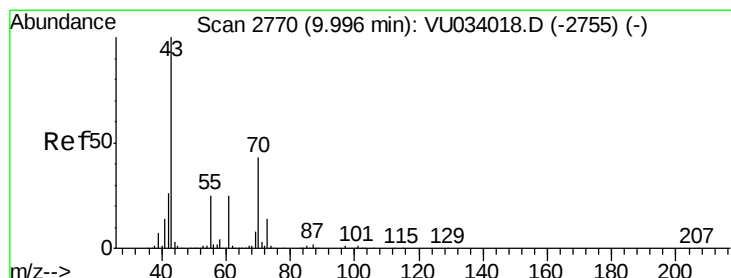
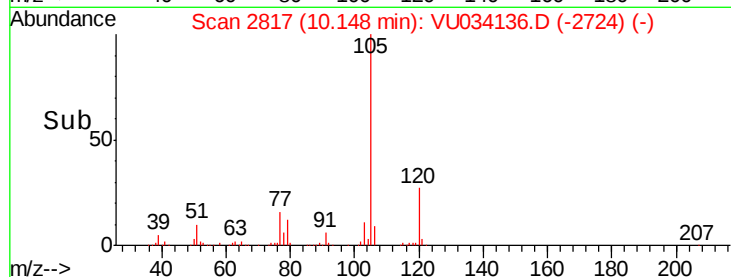
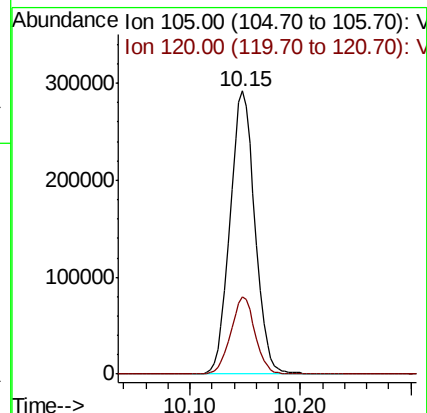
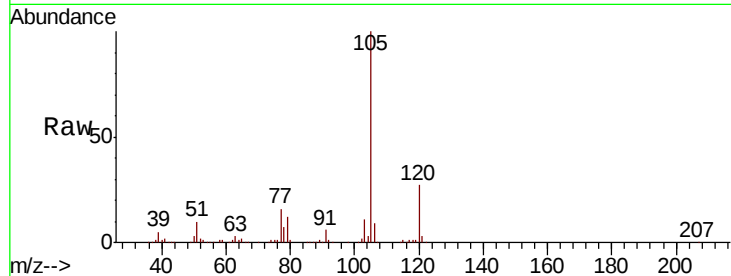
VU0902WBSD01

Tgt Ion:105 Resp: 457577

Ion Ratio Lower Upper

105 100

120 26.7 13.3 39.8



#74

N-ethyl acetate

Concen: 20.158 ug/l

RT: 10.00 min Scan# 2770

Delta R.T. 0.00 min

Lab File: VU034136.D

Acq: 31 Aug 2019 21:30

Tgt Ion: 43 Resp: 190097

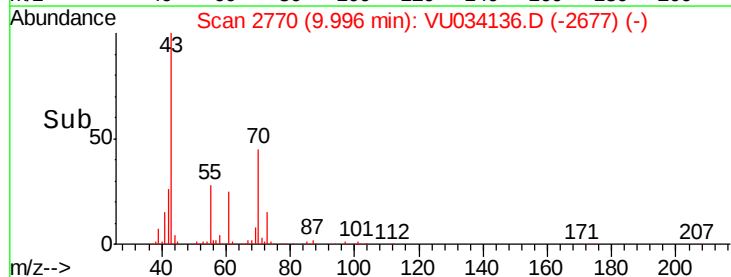
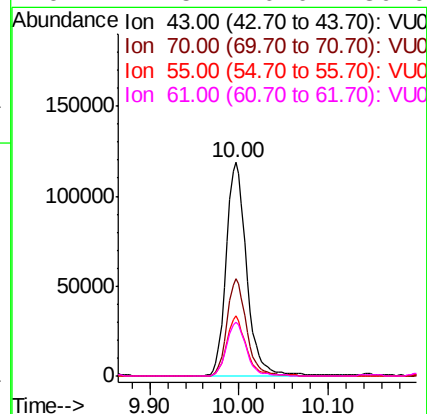
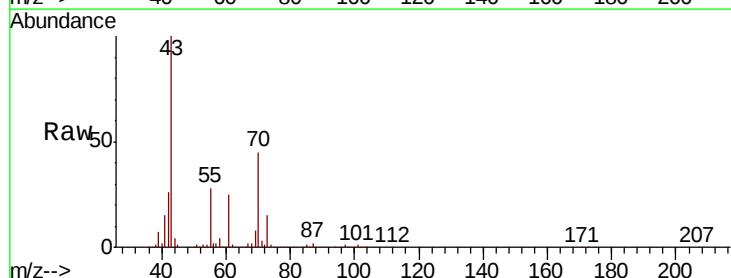
Ion Ratio Lower Upper

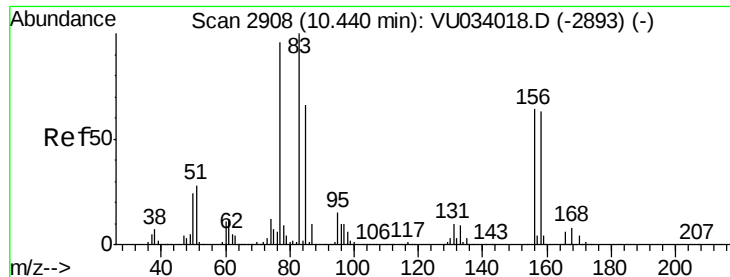
43 100

70 43.3 35.2 52.8

55 26.5 20.5 30.7

61 24.5 20.0 30.0





#75

1,1,2,2-Tetrachloroethane

Concen: 20.068 ug/l

RT: 10.44 min Scan# 2907

Delta R.T. -0.00 min

Lab File: VU034136.D

Acq: 31 Aug 2019 21:30

Instrument :

MSVOA_U

ClientSampleId :

VU0902WBSD01

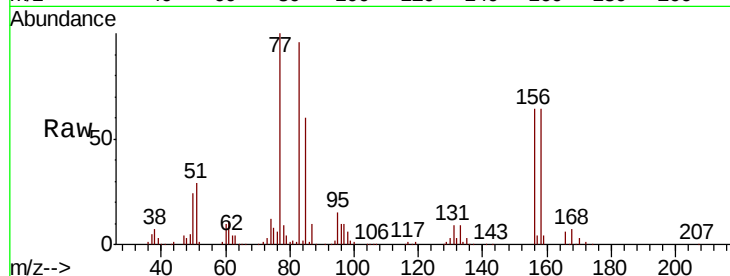
Tgt Ion: 83 Resp: 172225

Ion Ratio Lower Upper

83 100

131 9.9 5.0 14.9

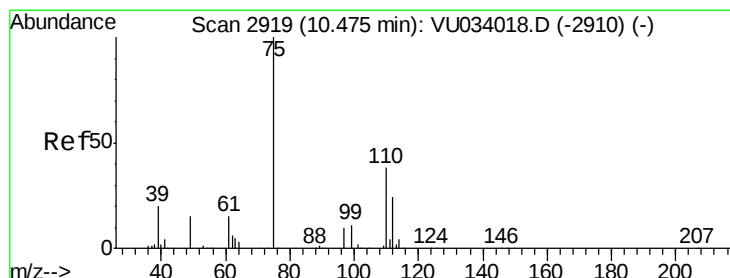
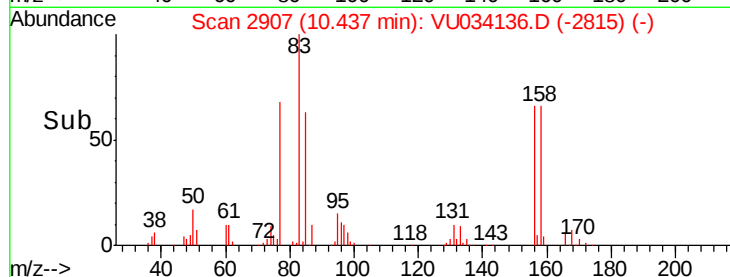
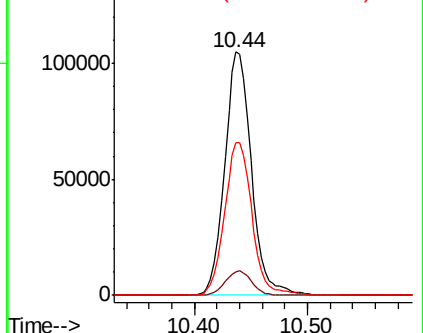
85 64.6 32.2 96.6



Abundance Ion 82.90 (82.60 to 83.60): VU034136.D (-2893) (-)

Ion 130.80 (130.50 to 131.50): VU034136.D (-2893) (-)

Ion 84.90 (84.60 to 85.60): VU034136.D (-2893) (-)



#76

1,2,3-Trichloropropane

Concen: 24.639 ug/l

RT: 10.48 min Scan# 2919

Delta R.T. 0.00 min

Lab File: VU034136.D

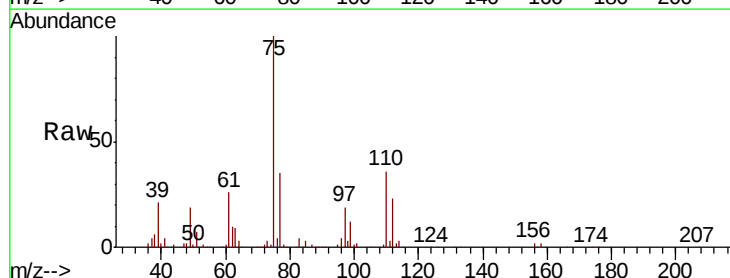
Acq: 31 Aug 2019 21:30

Tgt Ion: 75 Resp: 185371

Ion Ratio Lower Upper

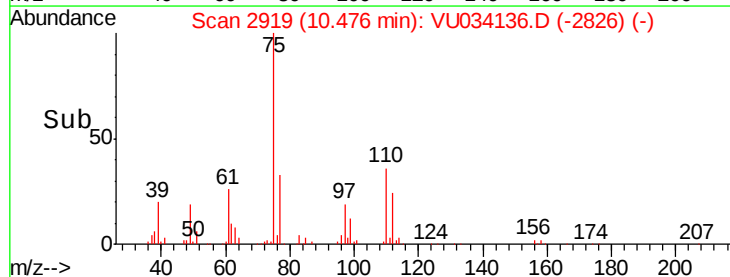
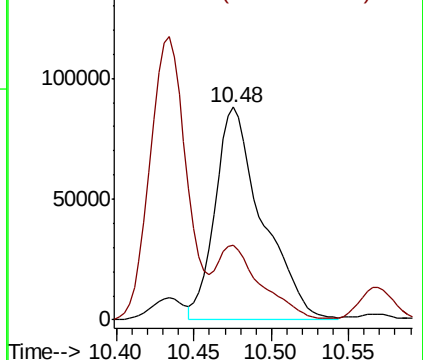
75 100

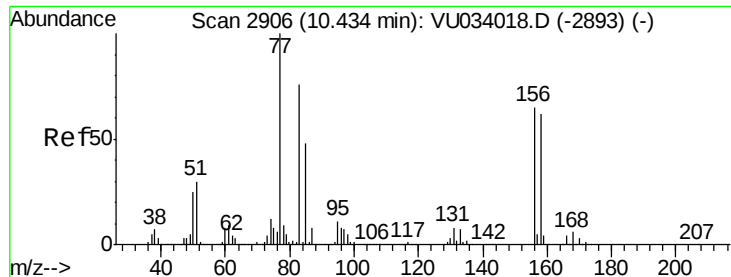
77 33.2 20.1 60.2



Abundance Ion 74.90 (74.60 to 75.60): VU034136.D (-2826) (-)

Ion 77.00 (76.70 to 77.70): VU034136.D (-2826) (-)





#77

Bromobenzene

Concen: 20.392 ug/l

RT: 10.43 min Scan# 2906

Delta R.T. 0.00 min

Lab File: VU034136.D

Acq: 31 Aug 2019 21:30

Instrument :

MSVOA_U

ClientSampleId :

VU0902WBSD01

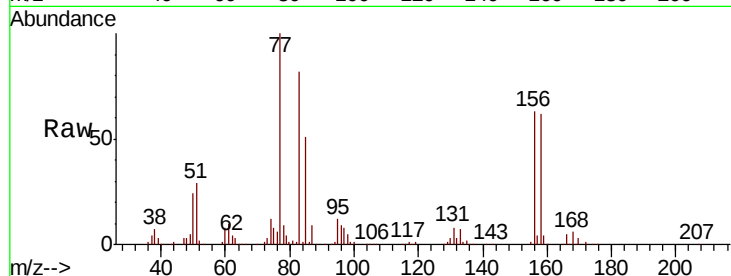
Tgt Ion:156 Resp: 122996

Ion Ratio Lower Upper

156 100

77 157.1 76.8 230.5

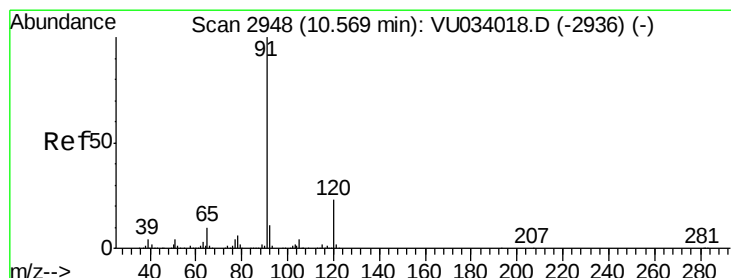
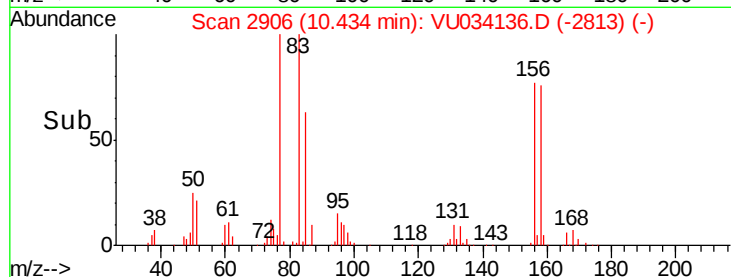
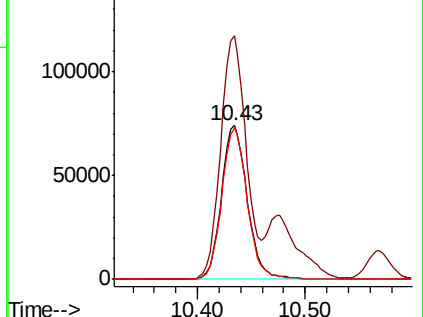
158 97.4 48.4 145.0



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: 20.484 ug/l

RT: 10.57 min Scan# 2948

Delta R.T. 0.00 min

Lab File: VU034136.D

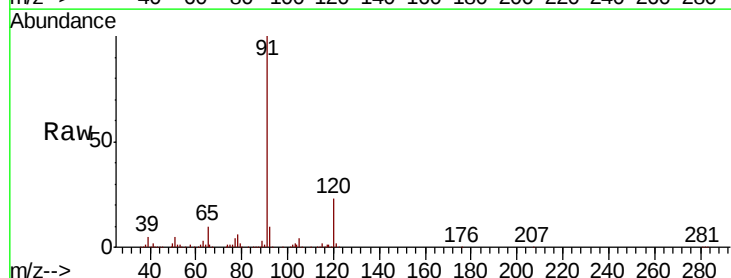
Acq: 31 Aug 2019 21:30

Tgt Ion: 91 Resp: 534892

Ion Ratio Lower Upper

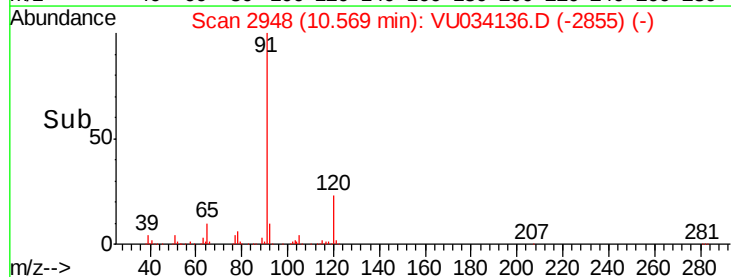
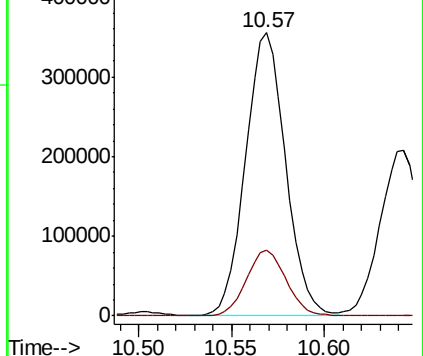
91 100

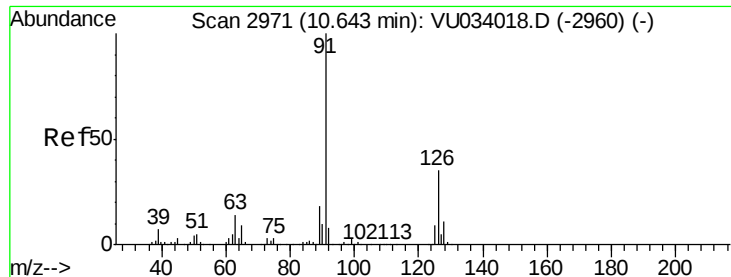
120 23.2 11.7 35.0



Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 120.00 (119.70 to 120.70): V

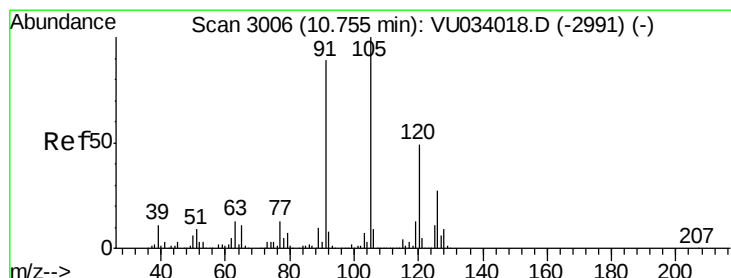
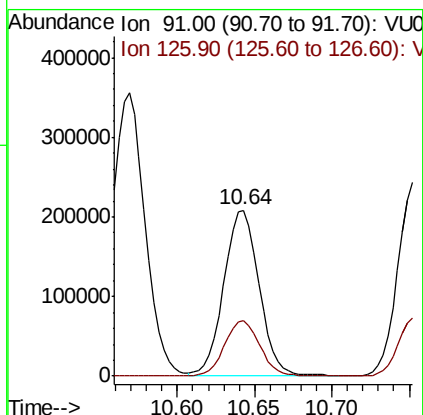
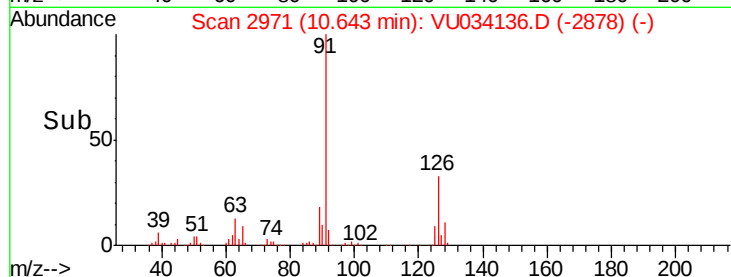
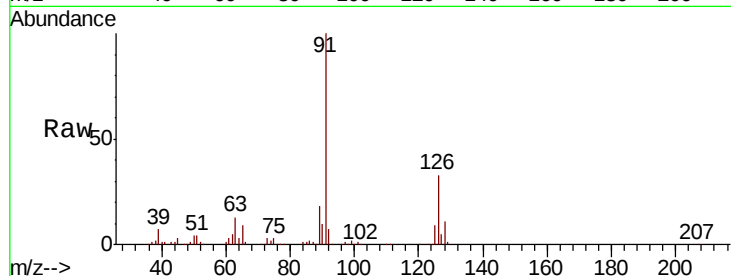




#79
 2-Chlorotoluene
 Concen: 20.964 ug/l
 RT: 10.64 min Scan# 2971
 Delta R.T. 0.00 min
 Lab File: VU034136.D
 Acq: 31 Aug 2019 21:30

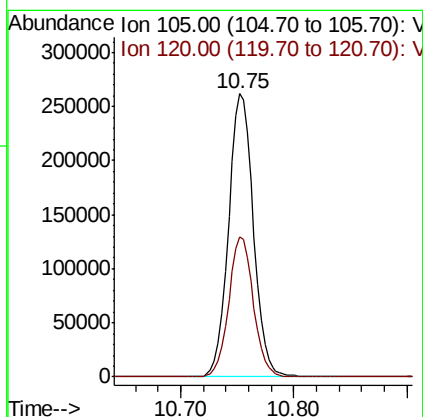
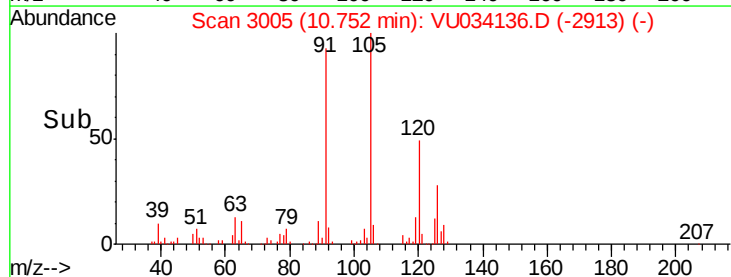
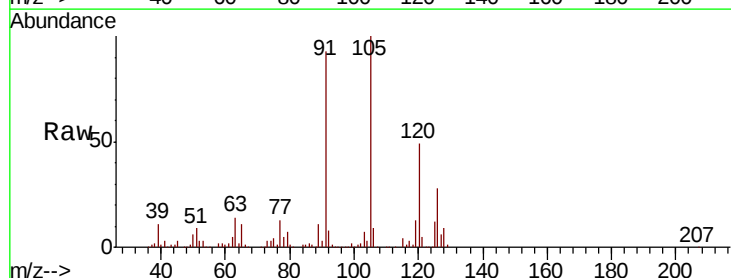
Instrument :
 MSVOA_U
 ClientSampleId :
 VU0902WBSD01

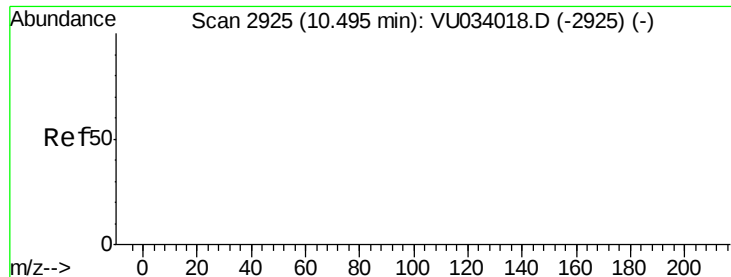
Tgt Ion: 91 Resp: 328346
 Ion Ratio Lower Upper
 91 100
 126 33.5 17.1 51.2



#80
 1,3,5-Trimethylbenzene
 Concen: 21.035 ug/l
 RT: 10.75 min Scan# 3005
 Delta R.T. -0.00 min
 Lab File: VU034136.D
 Acq: 31 Aug 2019 21:30

Tgt Ion: 105 Resp: 399747
 Ion Ratio Lower Upper
 105 100
 120 49.0 24.6 73.6





#81

trans-1,4-Dichloro-2-butene

Concen: 83.260 ug/l

RT: 10.48 min Scan# 2919

Delta R.T. -0.02 min

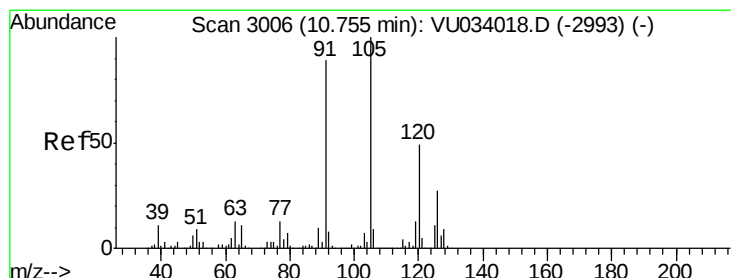
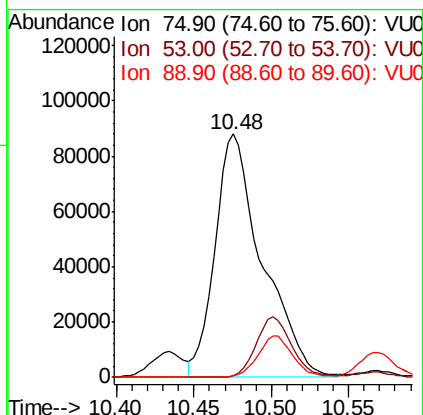
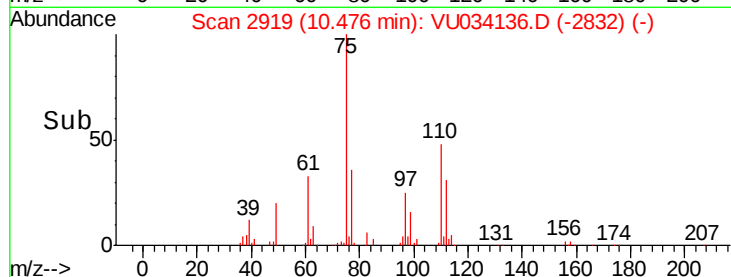
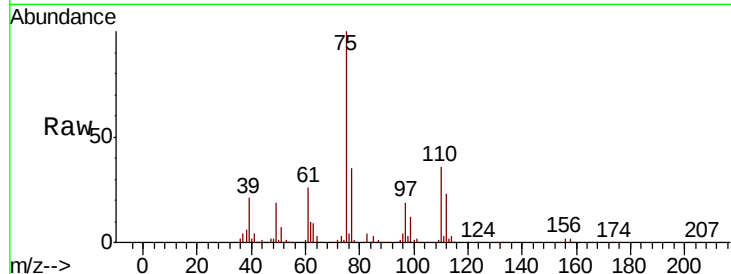
Lab File: VU034136.D

Acq: 31 Aug 2019 21:30

Instrument :
MSVOA_U
ClientSampleId :
VU0902WBSD01

Tgt Ion: 75 Resp: 186030

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



#82

4-Chlorotoluene

Concen: 20.913 ug/l

RT: 10.75 min Scan# 3005

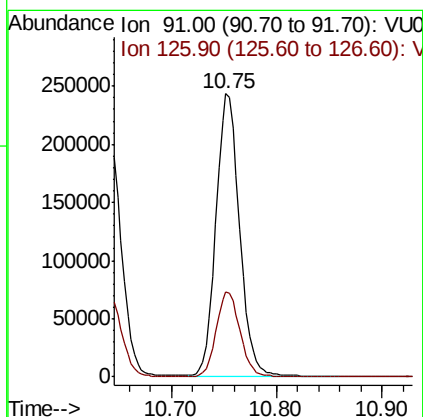
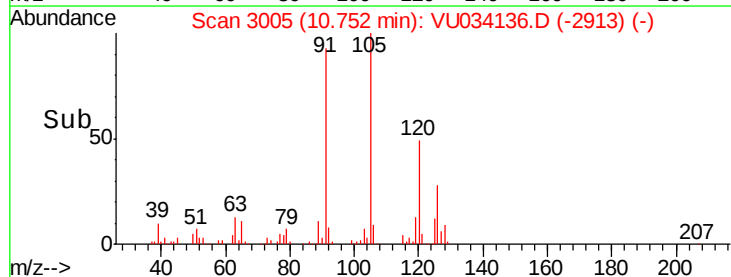
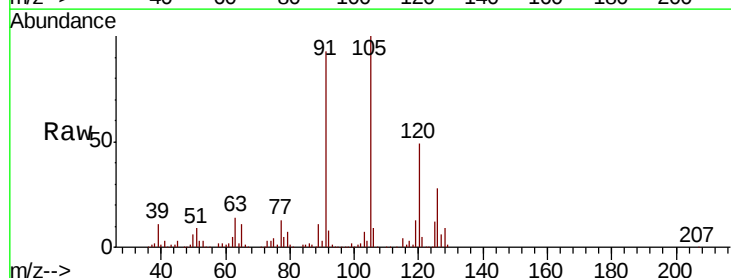
Delta R.T. -0.00 min

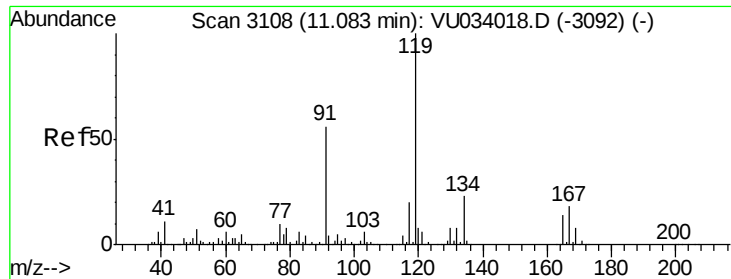
Lab File: VU034136.D

Acq: 31 Aug 2019 21:30

Tgt Ion: 91 Resp: 376711

Ion	Ratio	Lower	Upper
91	100		
126	30.5	15.0	45.1

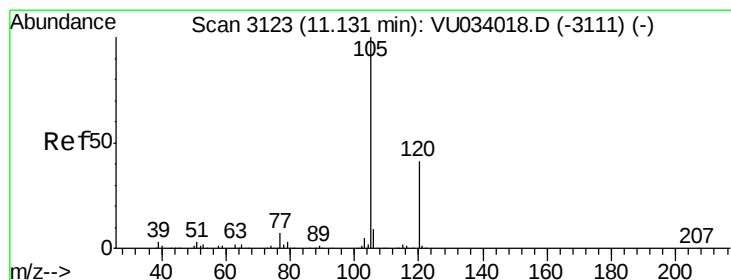
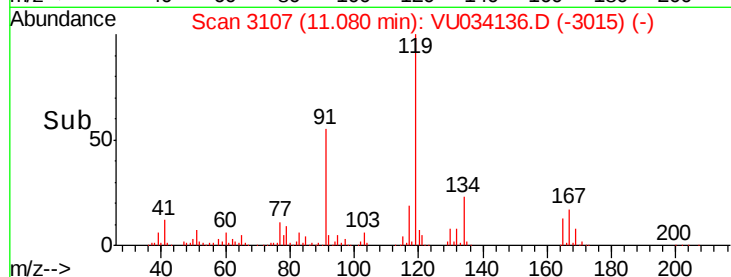
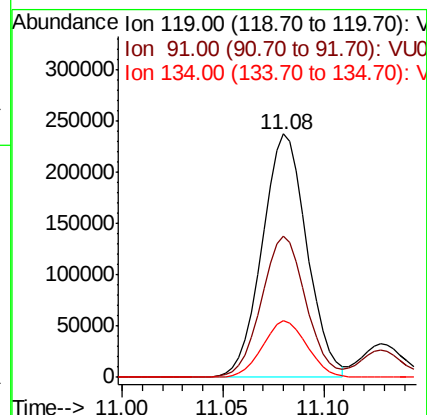
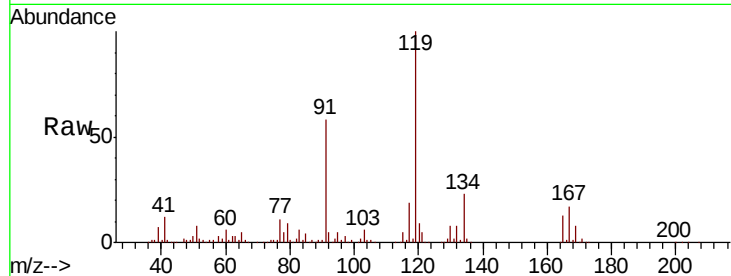




#83
 tert-Butylbenzene
 Concen: 19.613 ug/l
 RT: 11.08 min Scan# 3107
 Delta R.T. -0.00 min
 Lab File: VU034136.D
 Acq: 31 Aug 2019 21:30

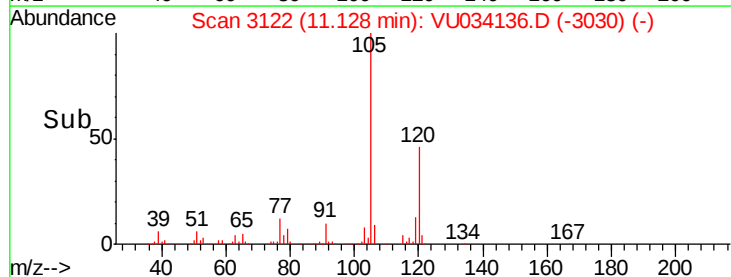
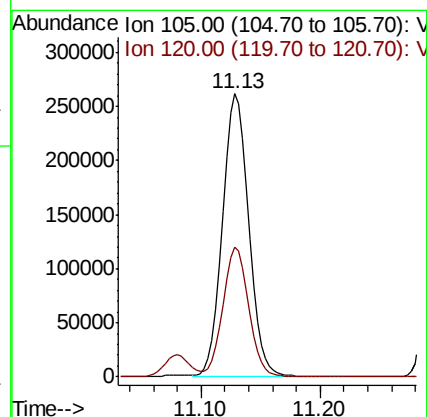
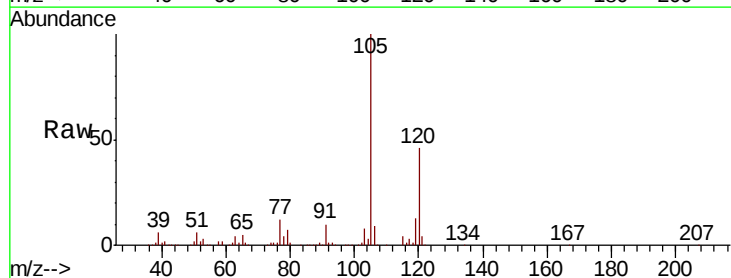
Instrument :
 MSVOA_U
 ClientSampleId :
 VU0902WBSD01

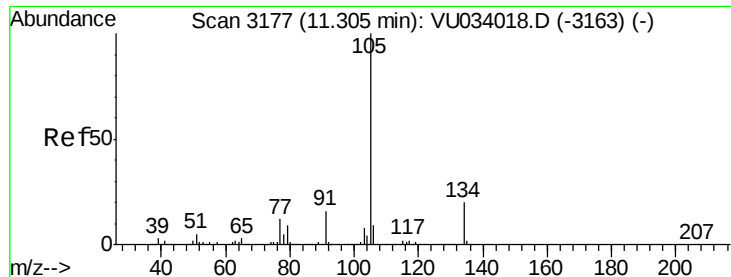
Tgt Ion:119 Resp: 366915
 Ion Ratio Lower Upper
 119 100
 91 57.5 27.9 83.6
 134 23.3 11.4 34.2



#84
 1,2,4-Trimethylbenzene
 Concen: 21.134 ug/l
 RT: 11.13 min Scan# 3122
 Delta R.T. -0.00 min
 Lab File: VU034136.D
 Acq: 31 Aug 2019 21:30

Tgt Ion:105 Resp: 398819
 Ion Ratio Lower Upper
 105 100
 120 45.4 22.6 67.8

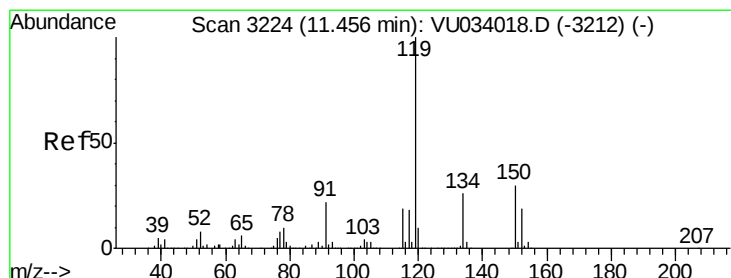
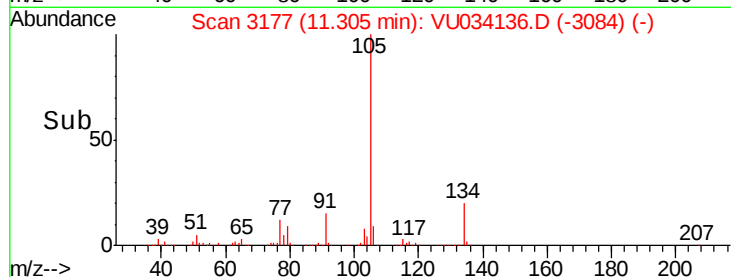
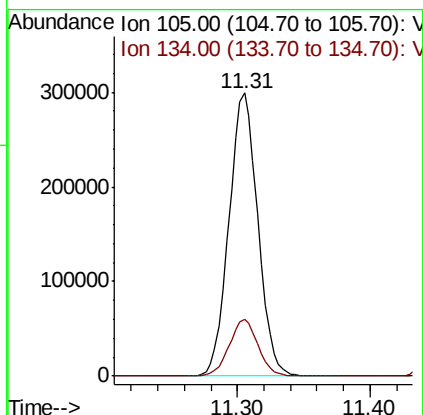
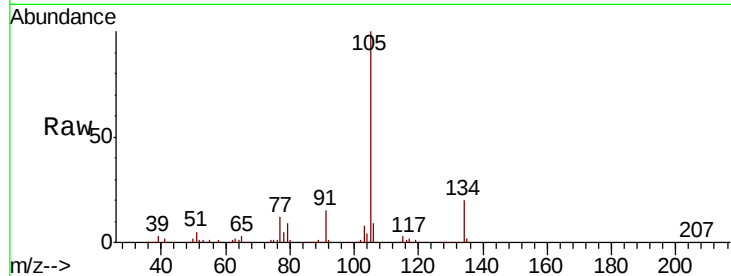




#85
 sec-Butylbenzene
 Concen: 20.119 ug/l
 RT: 11.31 min Scan# 3177
 Delta R.T. 0.00 min
 Lab File: VU034136.D
 Acq: 31 Aug 2019 21:30

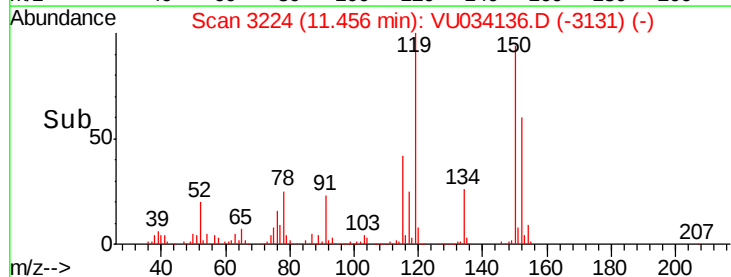
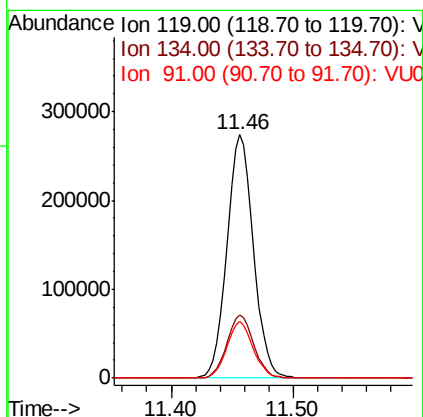
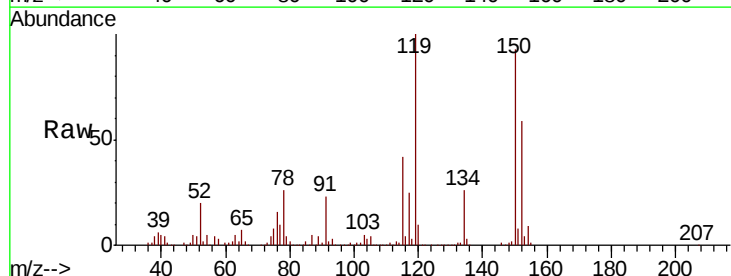
Instrument :
 MSVOA_U
 ClientSampleId :
 VU0902WBSD01

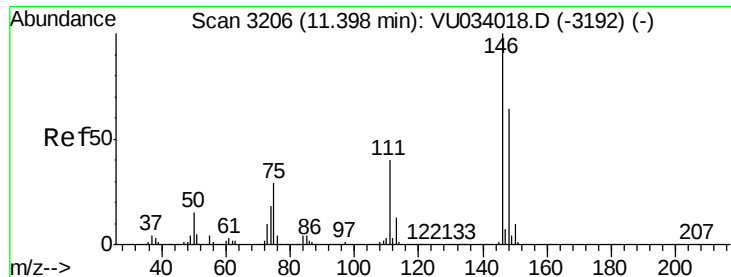
Tgt Ion:105 Resp: 451118
 Ion Ratio Lower Upper
 105 100
 134 20.0 10.0 30.0



#86
 p-Isopropyltoluene
 Concen: 20.446 ug/l
 RT: 11.46 min Scan# 3224
 Delta R.T. 0.00 min
 Lab File: VU034136.D
 Acq: 31 Aug 2019 21:30

Tgt Ion:119 Resp: 414627
 Ion Ratio Lower Upper
 119 100
 134 26.7 13.1 39.1
 91 23.3 11.2 33.6

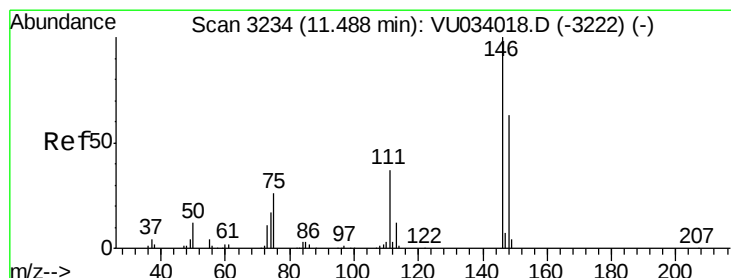
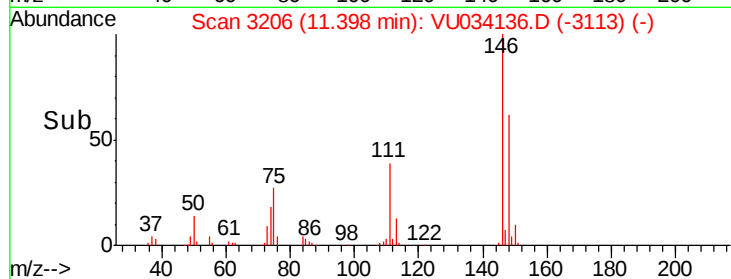
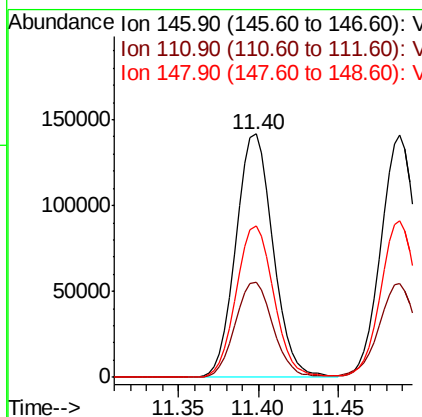
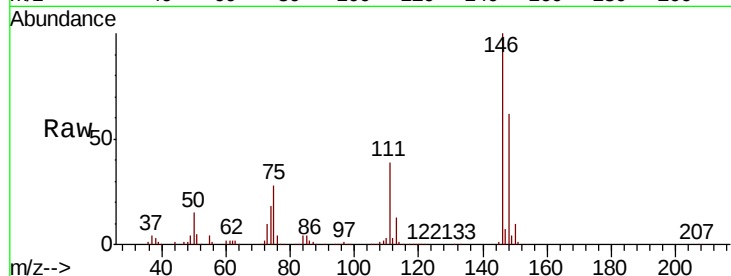




#87
 1,3-Dichlorobenzene
 Concen: 20.978 ug/l
 RT: 11.40 min Scan# 3206
 Delta R.T. 0.00 min
 Lab File: VU034136.D
 Acq: 31 Aug 2019 21:30

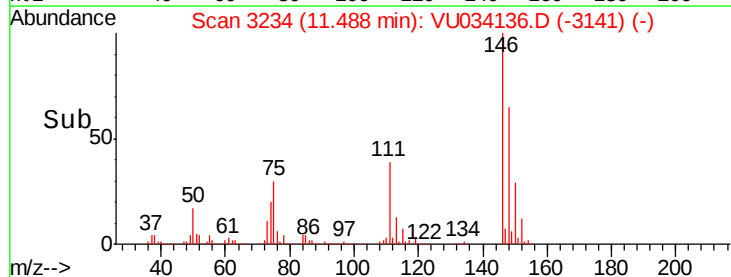
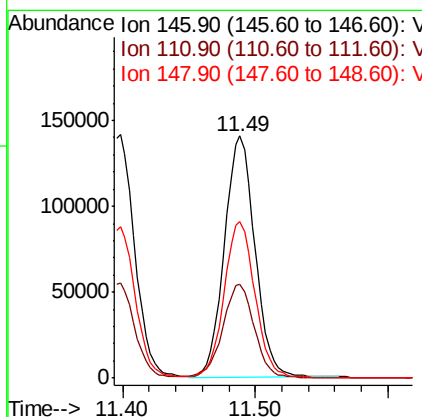
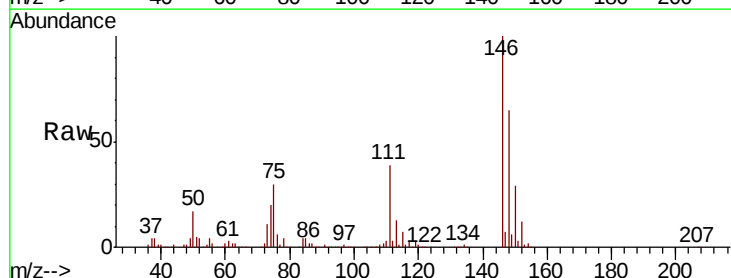
Instrument :
 MSVOA_U
 ClientSampleId :
 VU0902WBSD01

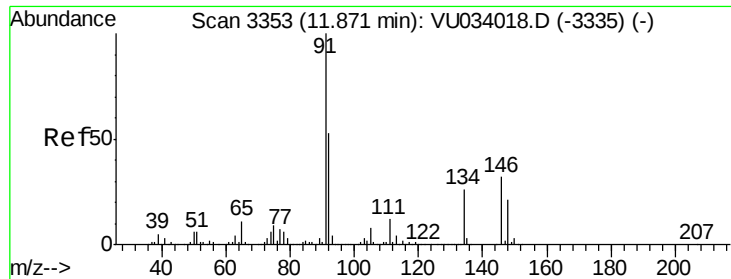
Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.5	19.9	59.6
148	62.9	31.9	95.5



#88
 1,4-Dichlorobenzene
 Concen: 20.839 ug/l
 RT: 11.49 min Scan# 3234
 Delta R.T. 0.00 min
 Lab File: VU034136.D
 Acq: 31 Aug 2019 21:30

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.3	19.2	57.6
148	65.2	31.9	95.9

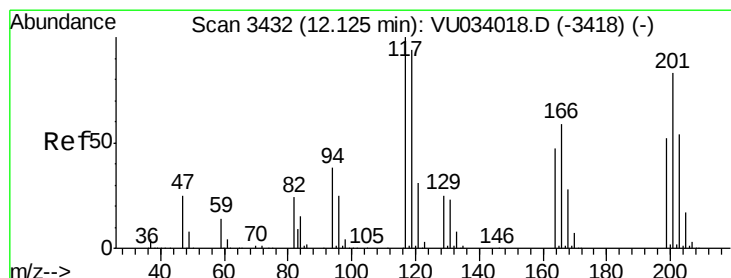
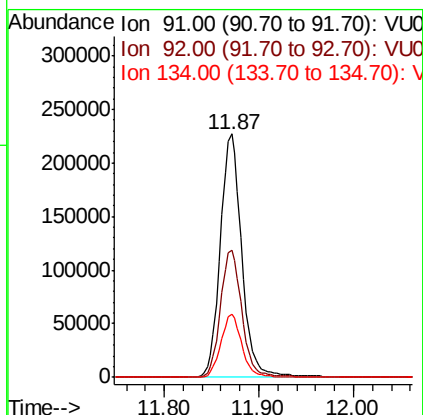
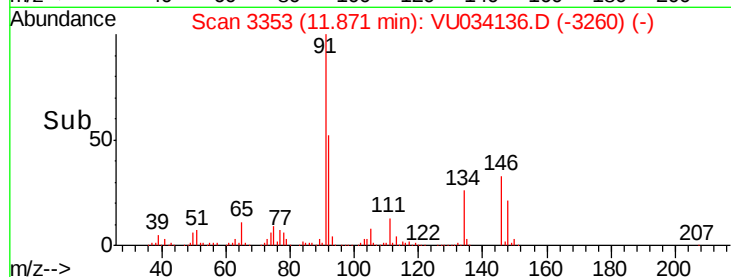
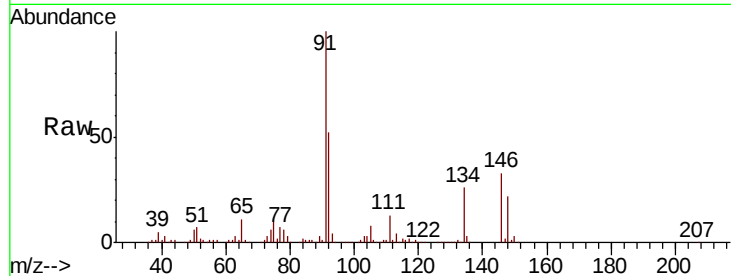




#89
n-Butylbenzene
Concen: 20.077 ug/l
RT: 11.87 min Scan# 3353
Delta R.T. 0.00 min
Lab File: VU034136.D
Acq: 31 Aug 2019 21:30

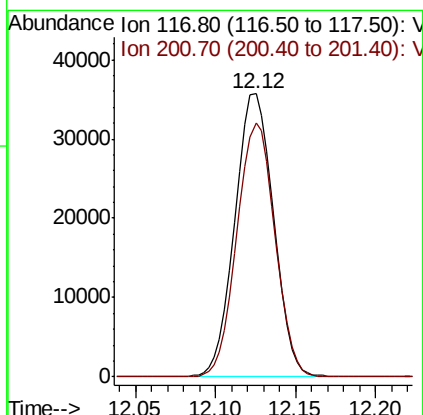
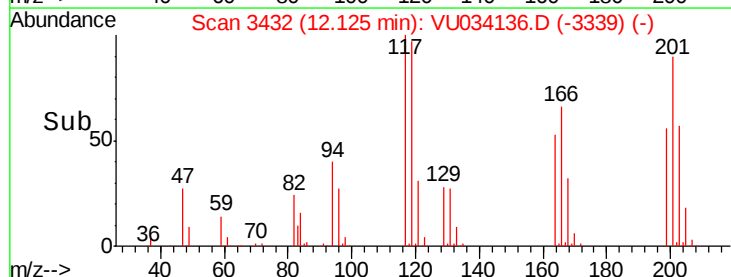
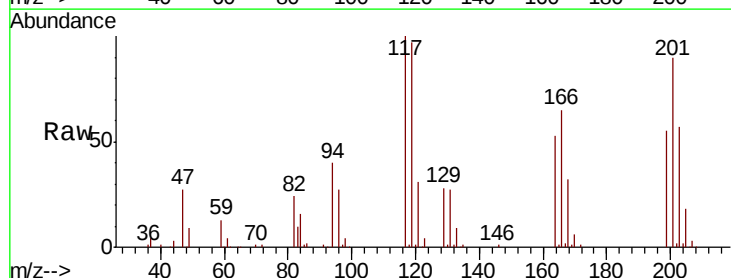
Instrument :
MSVOA_U
ClientSampleId :
VU0902WBSD01

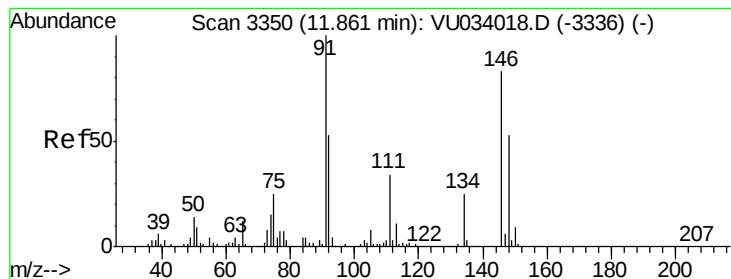
Tgt Ion: 91 Resp: 358966
Ion Ratio Lower Upper
91 100
92 52.2 26.3 78.9
134 25.4 12.9 38.7



#90
Hexachloroethane
Concen: 16.799 ug/l
RT: 12.12 min Scan# 3432
Delta R.T. 0.00 min
Lab File: VU034136.D
Acq: 31 Aug 2019 21:30

Tgt Ion: 117 Resp: 58900
Ion Ratio Lower Upper
117 100
201 88.1 42.5 127.6





#91

1,2-Dichlorobenzene

Concen: 21.542 ug/l

RT: 11.86 min Scan# 3349

Delta R.T. -0.00 min

Lab File: VU034136.D

Acq: 31 Aug 2019 21:30

Instrument :

MSVOA_U

ClientSampleId :

VU0902WBSD01

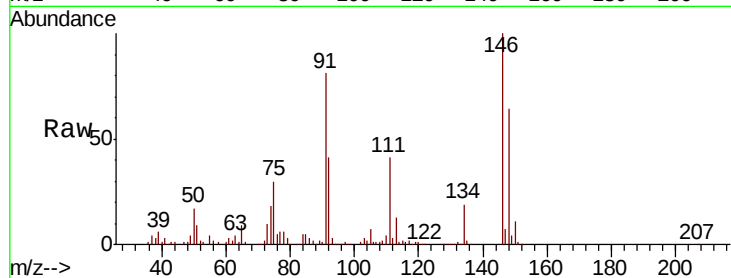
Tgt Ion:146 Resp: 220348

Ion Ratio Lower Upper

146 100

111 40.4 20.4 61.2

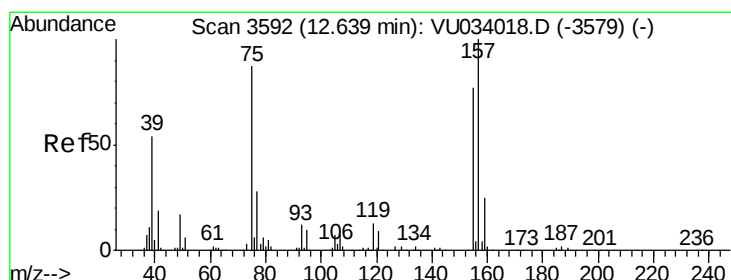
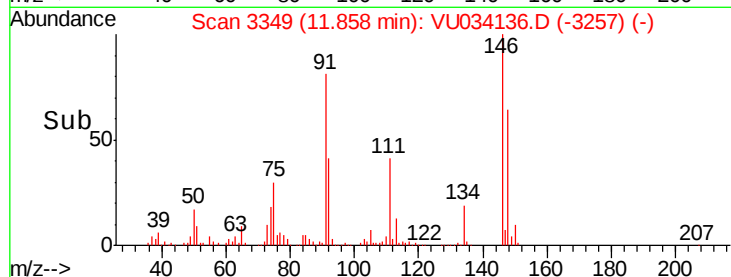
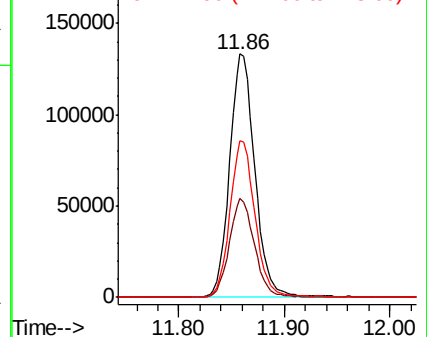
148 63.8 32.3 96.8



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 19.818 ug/l

RT: 12.64 min Scan# 3592

Delta R.T. 0.00 min

Lab File: VU034136.D

Acq: 31 Aug 2019 21:30

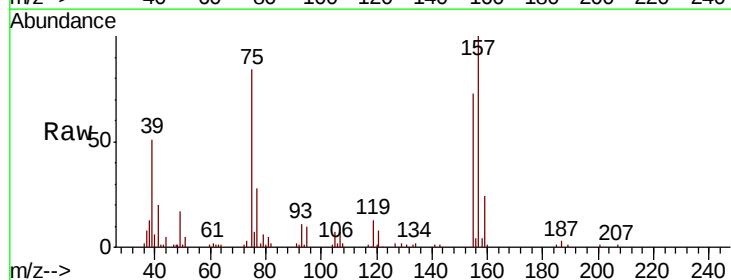
Tgt Ion: 75 Resp: 33883

Ion Ratio Lower Upper

75 100

155 86.9 43.5 130.7

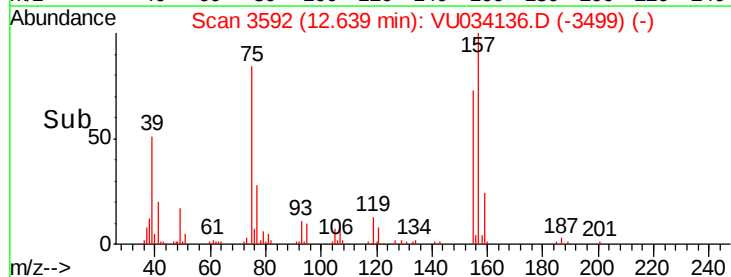
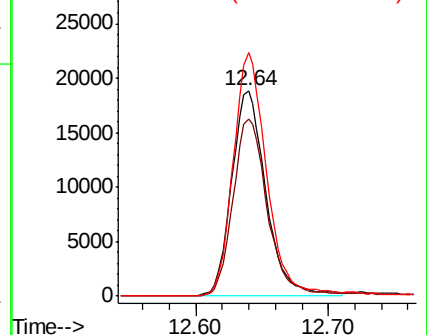
157 115.2 56.9 170.6

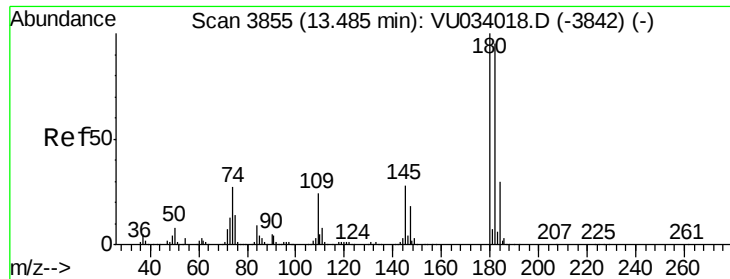


Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

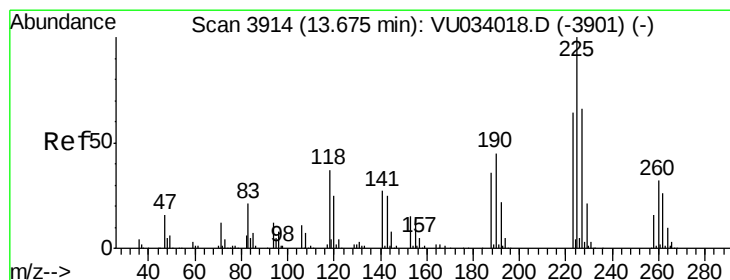
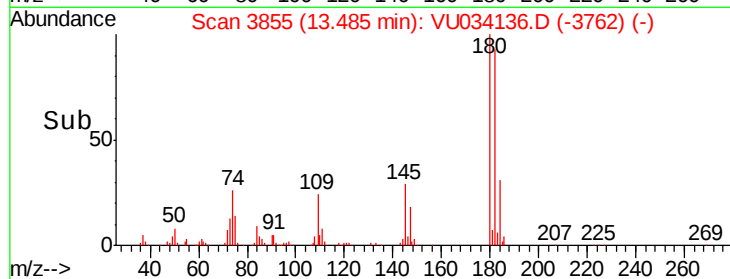
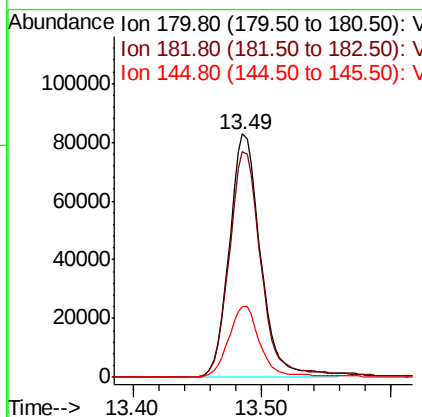
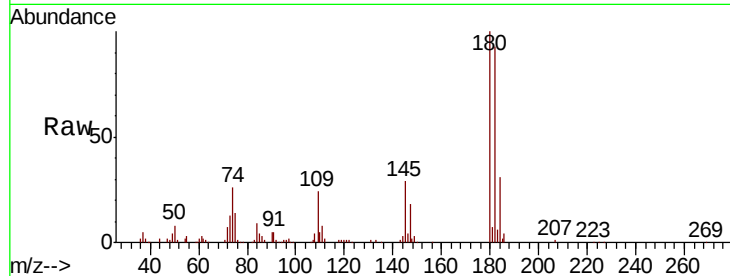




#93
 1,2,4-Trichlorobenzene
 Concen: 19.904 ug/l
 RT: 13.49 min Scan# 3855
 Delta R.T. 0.00 min
 Lab File: VU034136.D
 Acq: 31 Aug 2019 21:30

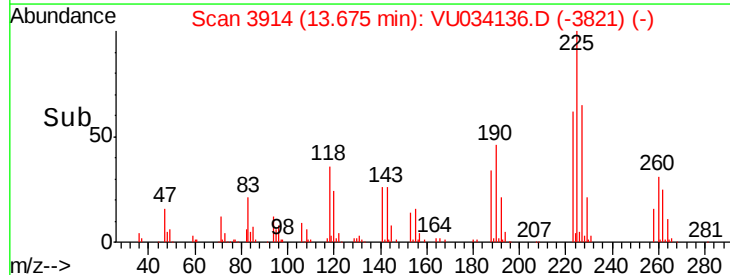
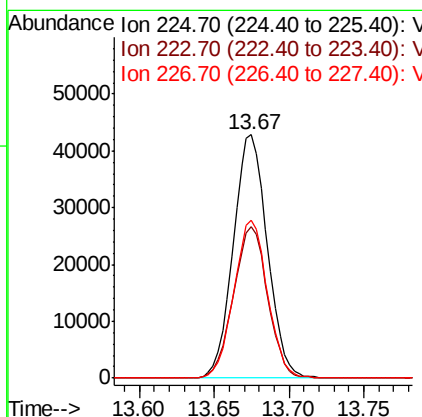
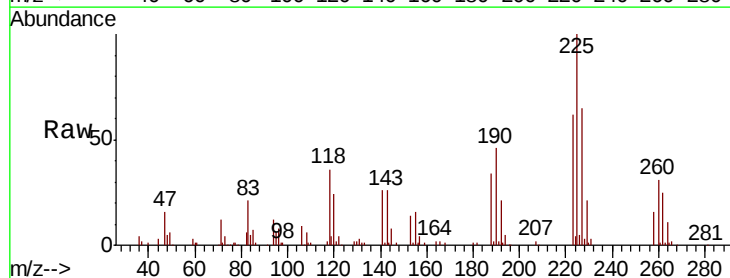
Instrument :
 MSVOA_U
 ClientSampleId :
 VU0902WBSD01

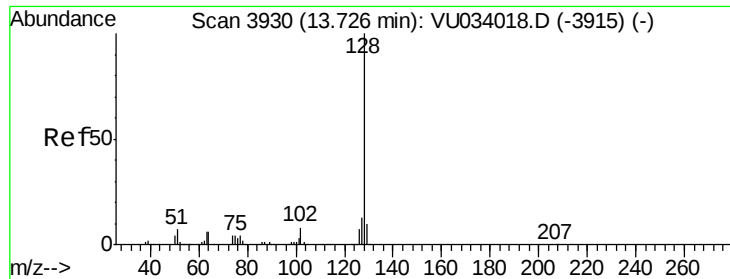
Tgt Ion:180 Resp: 139825
 Ion Ratio Lower Upper
 180 100
 182 96.2 47.4 142.2
 145 28.5 14.1 42.3



#94
 Hexachlorobutadiene
 Concen: 16.936 ug/l
 RT: 13.67 min Scan# 3914
 Delta R.T. 0.00 min
 Lab File: VU034136.D
 Acq: 31 Aug 2019 21:30

Tgt Ion:225 Resp: 67769
 Ion Ratio Lower Upper
 225 100
 223 62.5 31.8 95.3
 227 64.1 32.6 97.8

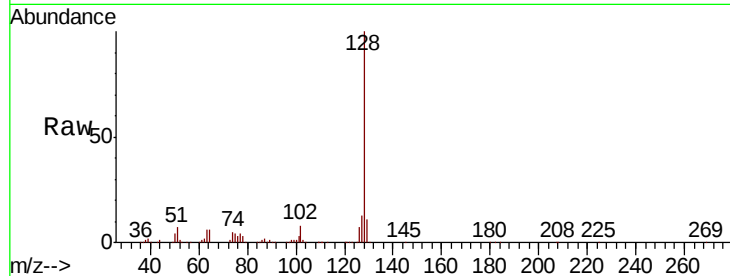




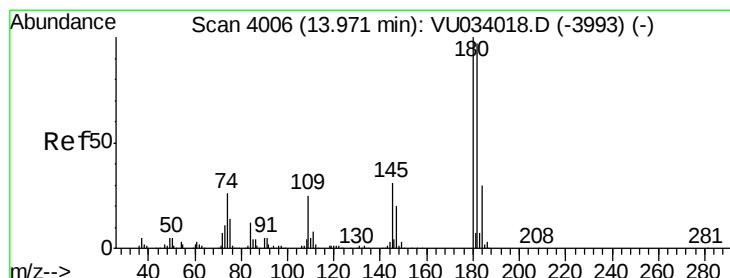
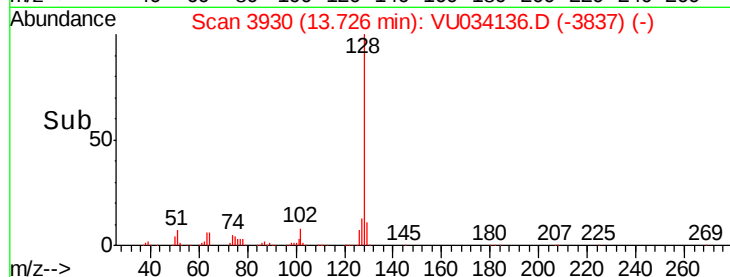
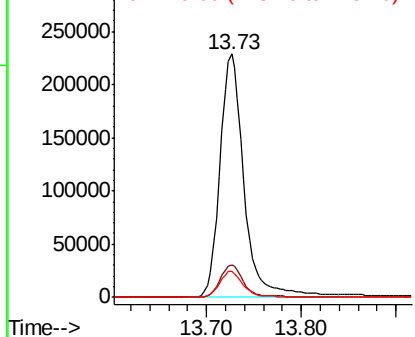
#95
Naphthalene
Concen: 20.609 ug/l
RT: 13.73 min Scan# 3930
Delta R.T. 0.00 min
Lab File: VU034136.D
Acq: 31 Aug 2019 21:30

Instrument :
MSVOA_U
ClientSampleId :
VU0902WBSD01

Tgt Ion:128 Resp: 406679
Ion Ratio Lower Upper
128 100
127 13.1 10.2 15.4
129 10.3 8.4 12.6

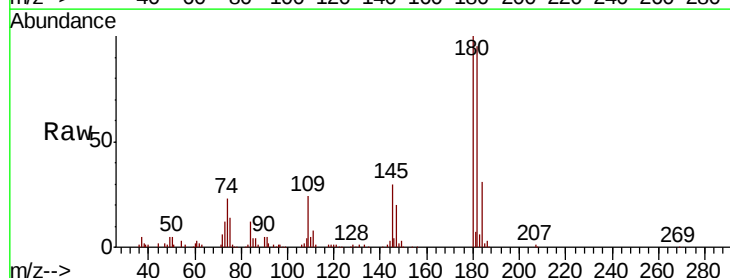


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96
1,2,3-Trichlorobenzene
Concen: 22.211 ug/l
RT: 13.97 min Scan# 4006
Delta R.T. 0.00 min
Lab File: VU034136.D
Acq: 31 Aug 2019 21:30

Tgt Ion:180 Resp: 145539
Ion Ratio Lower Upper
180 100
182 94.0 48.2 144.6
145 30.0 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

