

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU090219\
 Data File : VU034135.D
 Acq On : 31 Aug 2019 21:07
 Operator : JC/SP
 Sample : VU0902WBS01
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0902WBS01

Quant Time: Sep 01 04:50:07 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	418450	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.86	114	684326	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.07	117	646380	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.46	152	341238	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.29	65	266741	49.75	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.50%	
35) Dibromofluoromethane	4.86	113	224101	47.21	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.42%	
50) Toluene-d8	7.55	98	862418	48.53	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.06%	
62) 4-Bromofluorobenzene	10.29	95	316162	45.73	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.46%	

Target Compounds					Qvalue
2) Dichlorodifluoromethane	1.20	85	79892	18.984	ug/l 100
3) Chloromethane	1.32	50	103567	17.049	ug/l 100
4) Vinyl Chloride	1.40	62	104030	18.573	ug/l 96
5) Bromomethane	1.62	94	60986	19.021	ug/l 97
6) Chloroethane	1.69	64	63862	18.649	ug/l 99
7) Trichlorofluoromethane	1.88	101	124265	19.147	ug/l 98
8) Diethyl Ether	2.09	74	54623	19.674	ug/l 98
9) 1,1,2-Trichlorotrifluoroet	2.27	101	79996	19.457	ug/l 100
10) Methyl Iodide	2.40	142	51446	8.821	ug/l 100
11) Tert butyl alcohol	2.81	59	97845	79.134	ug/l 100
12) 1,1-Dichloroethene	2.27	96	82987	19.810	ug/l 99
13) Acrolein	2.18	56	35723	68.679	ug/l 99
14) Allyl chloride	2.58	41	130796	16.606	ug/l 91
15) Acrylonitrile	2.92	53	271638	95.739	ug/l 99
16) Acetone	2.31	43	224165	81.937	ug/l 97
17) Carbon Disulfide	2.46	76	228495	17.234	ug/l 98
18) Methyl Acetate	2.60	43	131028	18.533	ug/l 99
19) Methyl tert-butyl Ether	2.98	73	277116	20.190	ug/l 100
20) Methylene Chloride	2.68	84	99328	19.178	ug/l 99
21) trans-1,2-Dichloroethene	2.97	96	88951	19.565	ug/l 97
22) Diisopropyl ether	3.55	45	291407	20.191	ug/l 93
23) Vinyl Acetate	3.50	43	1191950	96.141	ug/l 100
24) 1,1-Dichloroethane	3.43	63	172475	20.242	ug/l 99
25) 2-Butanone	4.24	43	343923	90.358	ug/l 99
26) 2,2-Dichloropropane	4.20	77	110195	15.893	ug/l 98
27) cis-1,2-Dichloroethene	4.20	96	99854	19.568	ug/l 97
28) Bromochloromethane	4.52	49	90731	21.613	ug/l 100
29) Tetrahydrofuran	4.61	42	225784	96.189	ug/l 99
30) Chloroform	4.65	83	170987	20.113	ug/l 99
31) Cyclohexane	4.97	56	146220	18.262	ug/l 96
32) 1,1,1-Trichloroethane	4.89	97	136926	19.666	ug/l 99
36) 1,1-Dichloropropene	5.12	75	117793	18.198	ug/l 99
37) Ethyl Acetate	4.36	43	129773	17.904	ug/l 100
38) Carbon Tetrachloride	5.11	117	117324	18.778	ug/l 96

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 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleID :
 VU0902WBS01

Quant Time: Sep 01 04:50:07 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)
39) Methylcyclohexane	6.40	83	130585	17.117	ug/l	97
40) Benzene	5.37	78	373792	19.087	ug/l	100
41) Methacrylonitrile	4.52	41	68886	18.531	ug/l	98
42) 1,2-Dichloroethane	5.38	62	128833	19.051	ug/l	99
43) Isopropyl Acetate	5.53	43	198261	17.979	ug/l	100
44) Trichloroethene	6.17	130	98363	19.127	ug/l	98
45) 1,2-Dichloropropane	6.41	63	102949	19.097	ug/l	100
46) Dibromomethane	6.54	93	66461	19.135	ug/l	100
47) Bromodichloromethane	6.74	83	128706	18.941	ug/l	98
48) Methyl methacrylate	6.60	41	92526	17.388	ug/l	99
49) 1,4-Dioxane	6.59	88	35127	263.463	ug/l	100
51) 4-Methyl-2-Pentanone	7.44	43	670381	88.027	ug/l	100
52) Toluene	7.62	92	230889	19.139	ug/l	99
53) t-1,3-Dichloropropene	7.86	75	127182	16.868	ug/l	99
54) cis-1,3-Dichloropropene	7.25	75	146925	17.836	ug/l	98
55) 1,1,2-Trichloroethane	8.05	97	94409	18.501	ug/l	99
56) Ethyl methacrylate	8.00	69	132828	16.359	ug/l	98
57) 1,3-Dichloropropane	8.22	76	161871	18.682	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.11	63	215657	76.389	ug/l	99
59) 2-Hexanone	8.34	43	499880	86.949	ug/l	97
60) Dibromochloromethane	8.46	129	99838	18.226	ug/l	100
61) 1,2-Dibromoethane	8.57	107	97302	18.101	ug/l	100
64) Tetrachloroethene	8.21	164	93179	21.466	ug/l	98
65) Chlorobenzene	9.10	112	254019	19.097	ug/l	100
66) 1,1,1,2-Tetrachloroethane	9.19	131	88550	18.359	ug/l	99
67) Ethyl Benzene	9.23	91	425467	18.869	ug/l	98
68) m/p-Xylenes	9.36	106	330075	38.498	ug/l	99
69) o-Xylene	9.76	106	155367	18.888	ug/l	97
70) Styrene	9.77	104	273541	19.395	ug/l	100
71) Bromoform	9.94	173	72713	17.351	ug/l #	98
73) Isopropylbenzene	10.15	105	426146	18.592	ug/l	99
74) N-amyl acetate	10.00	43	164419	17.055	ug/l	99
75) 1,1,2,2-Tetrachloroethane	10.44	83	156563	17.846	ug/l	100
76) 1,2,3-Trichloropropane	10.48	75	168105	21.858	ug/l	87
77) Bromobenzene	10.43	156	113672	18.436	ug/l	99
78) n-propylbenzene	10.57	91	493612	18.492	ug/l	99
79) 2-Chlorotoluene	10.64	91	300351	18.759	ug/l	99
80) 1,3,5-Trimethylbenzene	10.75	105	362118	18.640	ug/l	99
81) trans-1,4-Dichloro-2-buten	10.48	75	168105	73.600	ug/l #	100
82) 4-Chlorotoluene	10.75	91	342942	18.624	ug/l	98
83) tert-Butylbenzene	11.08	119	337710	17.659	ug/l	99
84) 1,2,4-Trimethylbenzene	11.13	105	360847	18.706	ug/l	100
85) sec-Butylbenzene	11.31	105	409971	17.886	ug/l	100
86) p-Isopropyltoluene	11.46	119	374158	18.049	ug/l	99
87) 1,3-Dichlorobenzene	11.40	146	202915	18.589	ug/l	100
88) 1,4-Dichlorobenzene	11.49	146	207745	18.819	ug/l	99
89) n-Butylbenzene	11.87	91	316869	17.337	ug/l	99
90) Hexachloroethane	12.12	117	53769	15.002	ug/l	100
91) 1,2-Dichlorobenzene	11.86	146	200223	19.149	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.64	75	29041	16.616	ug/l	99

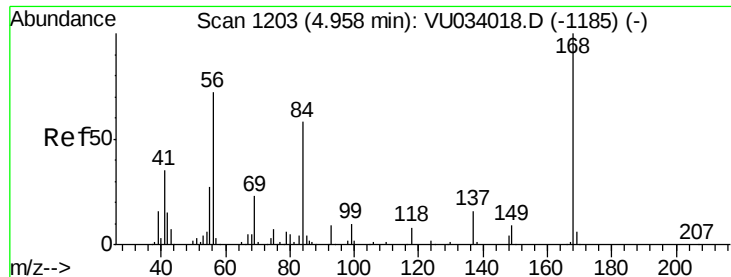
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU090219\
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QLast Update : Thu Aug 29 04:11:12 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.49	180	122139	17.170	ug/l	99
94) Hexachlorobutadiene	13.67	225	60283	14.737	ug/l	99
95) Naphthalene	13.73	128	334643	16.939	ug/l	100
96) 1,2,3-Trichlorobenzene	13.97	180	122576	18.300	ug/l	99

(#) = 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: VU034135.D

Acq: 31 Aug 2019 21:07

Instrument :

MSVOA_U

ClientSampleId :

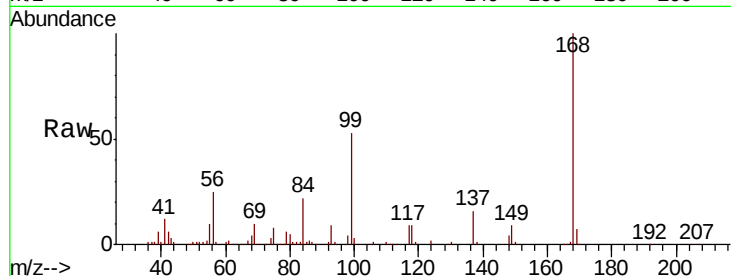
VU0902WBS01

Tgt Ion:168 Resp: 418450

Ion Ratio Lower Upper

168 100

99 53.0 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

200000

150000

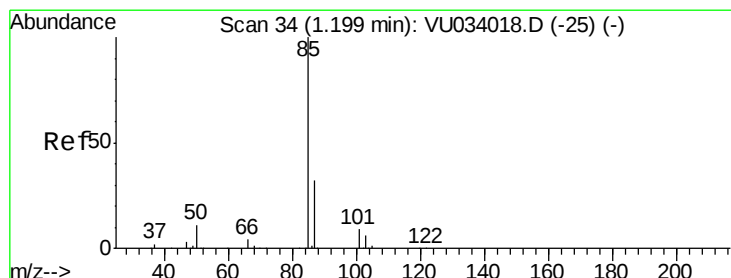
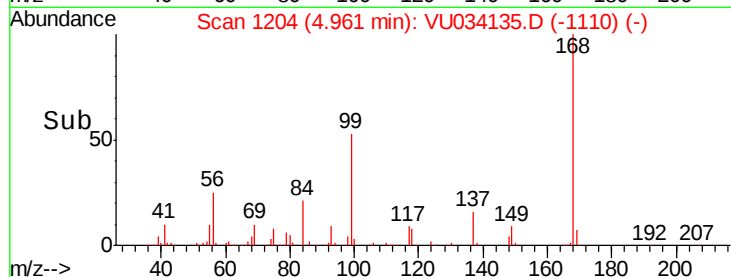
100000

50000

0

4.90 5.00 5.10

Time-->



#2

Dichlorodifluoromethane

Concen: 18.984 ug/l

RT: 1.20 min Scan# 35

Delta R.T. 0.00 min

Lab File: VU034135.D

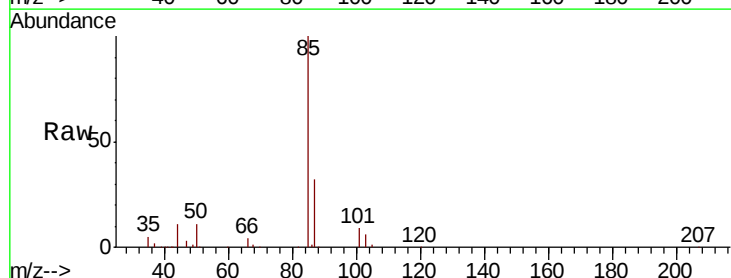
Acq: 31 Aug 2019 21:07

Tgt Ion: 85 Resp: 79892

Ion Ratio Lower Upper

85 100

87 32.1 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

80000

60000

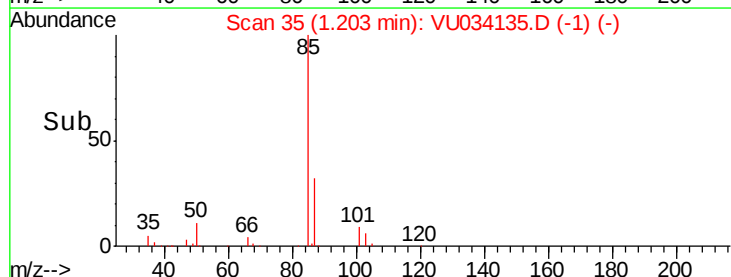
40000

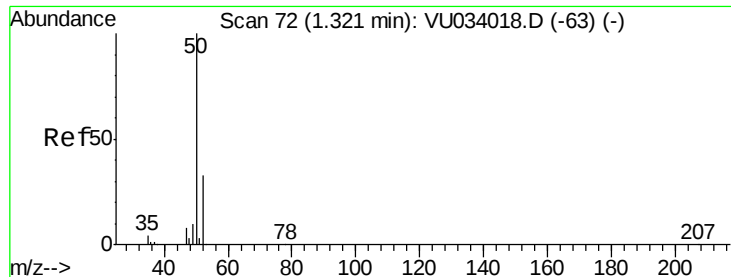
20000

0

1.15 1.20 1.25

Time-->





#3

Chloromethane

Concen: 17.049 ug/l

RT: 1.32 min Scan# 73

Delta R.T. 0.00 min

Lab File: VU034135.D

Acq: 31 Aug 2019 21:07

Instrument :

MSVOA_U

ClientSampleId :

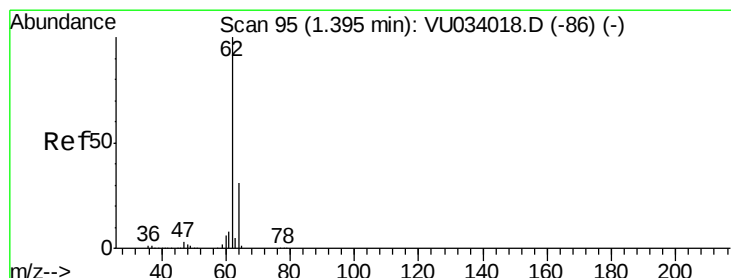
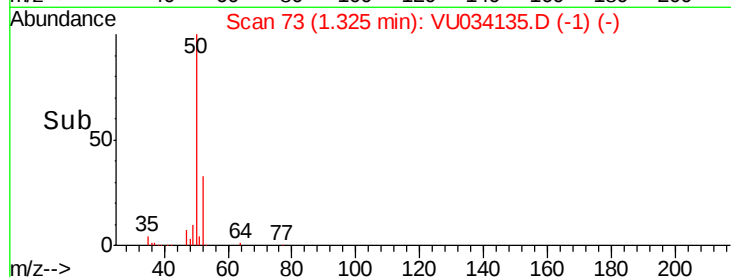
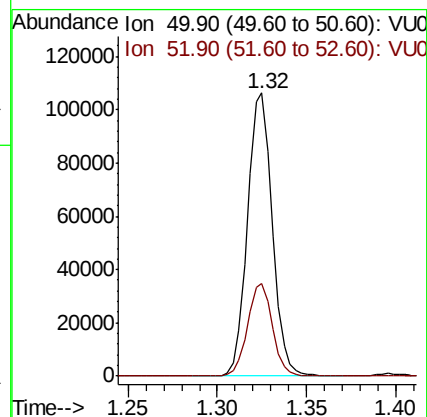
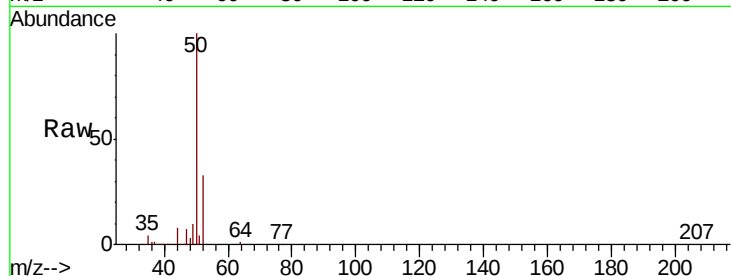
VU0902WBS01

Tgt Ion: 50 Resp: 103567

Ion Ratio Lower Upper

50 100

52 32.8 26.2 39.4



#4

Vinyl Chloride

Concen: 18.573 ug/l

RT: 1.40 min Scan# 96

Delta R.T. 0.00 min

Lab File: VU034135.D

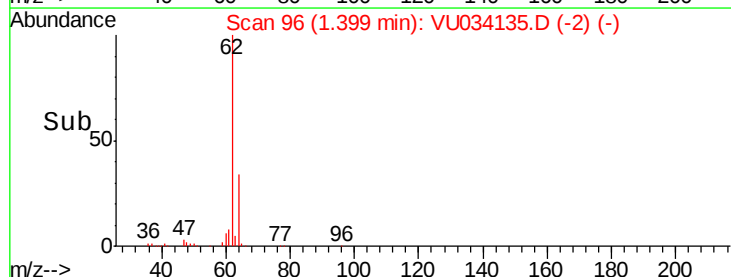
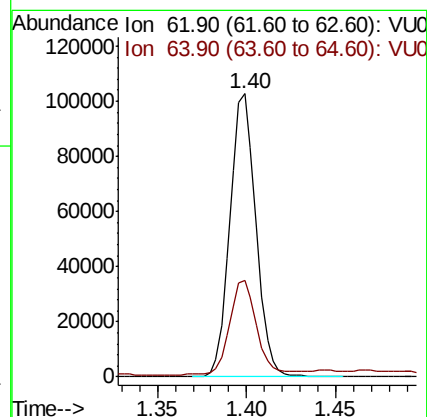
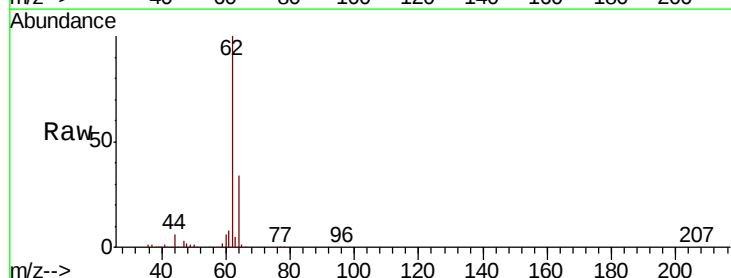
Acq: 31 Aug 2019 21:07

Tgt Ion: 62 Resp: 104030

Ion Ratio Lower Upper

62 100

64 33.3 25.0 37.6





#5

Bromomethane

Concen: 19.021 ug/l

RT: 1.62 min Scan# 165

Delta R.T. 0.02 min

Lab File: VU034135.D

Acq: 31 Aug 2019 21:07

Instrument :

MSVOA_U

ClientSampleId :

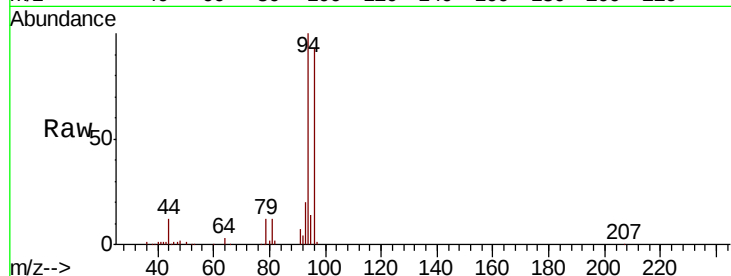
VU0902WBS01

Tgt Ion: 94 Resp: 60986

Ion Ratio Lower Upper

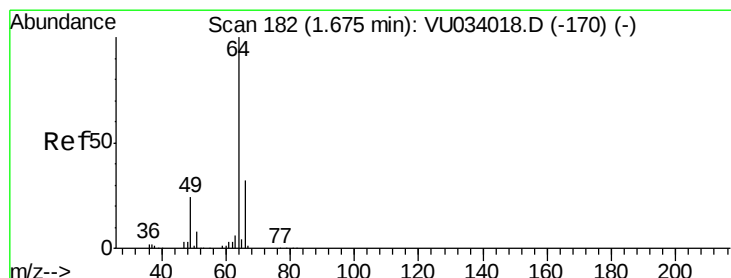
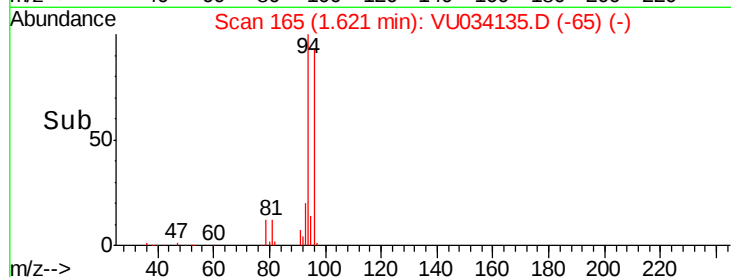
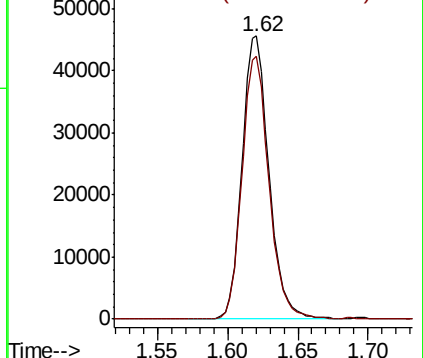
94 100

96 92.7 76.3 114.5



Abundance Ion 93.90 (93.60 to 94.60): VU0

Ion 95.90 (95.60 to 96.60): VU0



#6

Chloroethane

Concen: 18.649 ug/l

RT: 1.69 min Scan# 187

Delta R.T. 0.02 min

Lab File: VU034135.D

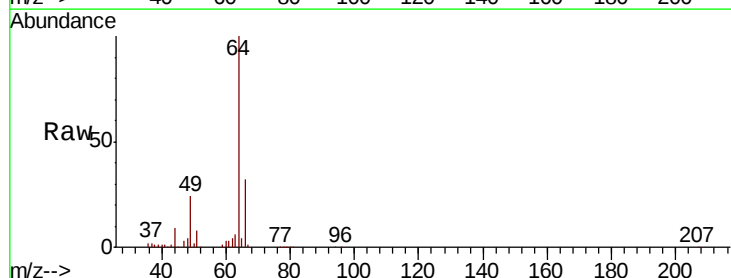
Acq: 31 Aug 2019 21:07

Tgt Ion: 64 Resp: 63862

Ion Ratio Lower Upper

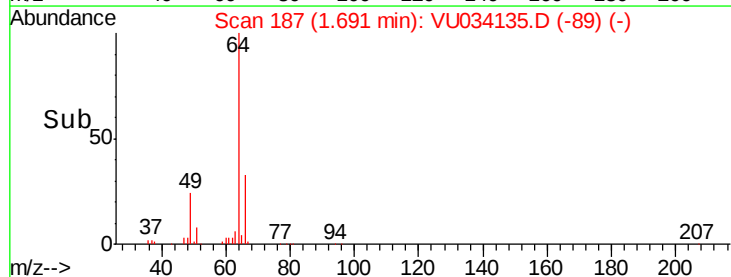
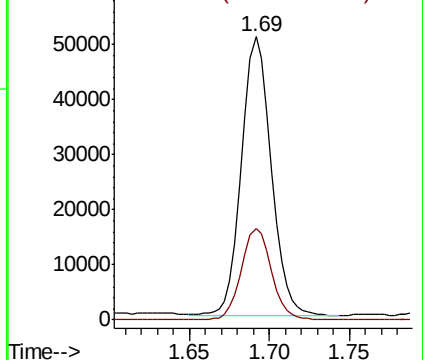
64 100

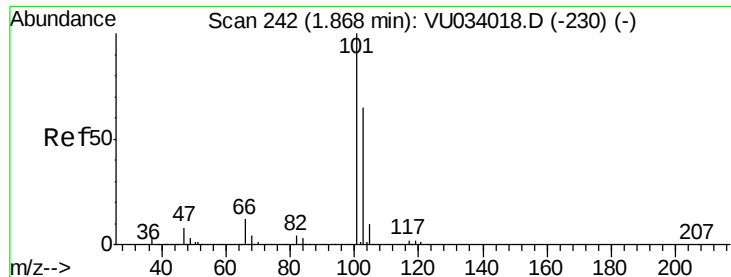
66 32.7 25.5 38.3



Abundance Ion 63.90 (63.60 to 64.60): VU0

Ion 65.90 (65.60 to 66.60): VU0





#7

Trichlorofluoromethane

Concen: 19.147 ug/l

RT: 1.88 min Scan# 245

Delta R.T. 0.01 min

Lab File: VU034135.D

Acq: 31 Aug 2019 21:07

Instrument :

MSVOA_U

ClientSampleId :

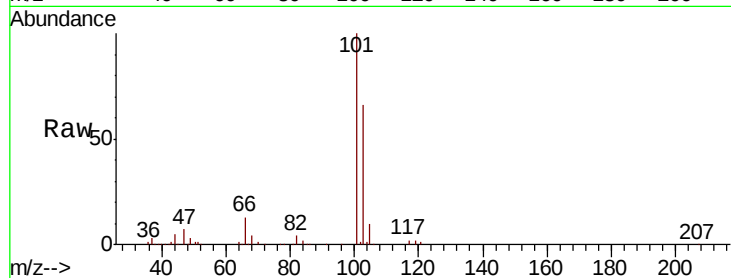
VU0902WBS01

Tgt Ion:101 Resp: 124265

Ion Ratio Lower Upper

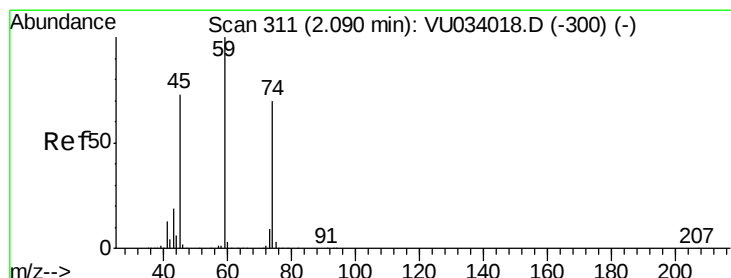
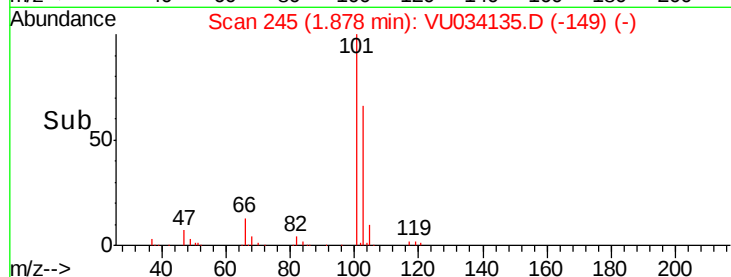
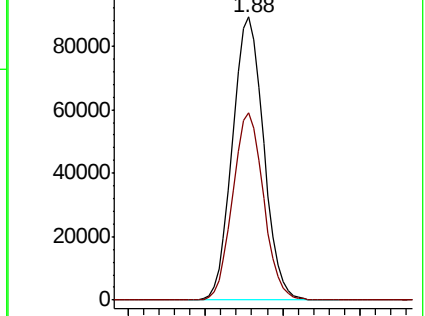
101 100

103 66.3 52.1 78.1



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 102.80 (102.50 to 103.50): V



#8

Diethyl Ether

Concen: 19.674 ug/l

RT: 2.09 min Scan# 312

Delta R.T. 0.00 min

Lab File: VU034135.D

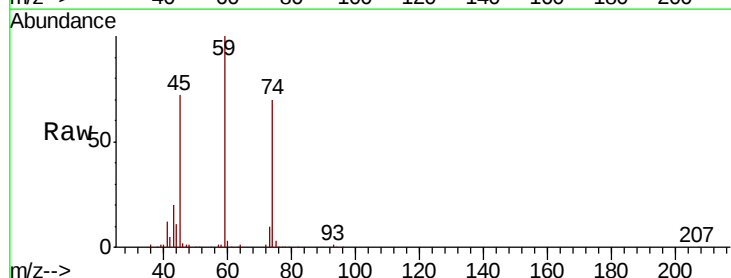
Acq: 31 Aug 2019 21:07

Tgt Ion: 74 Resp: 54623

Ion Ratio Lower Upper

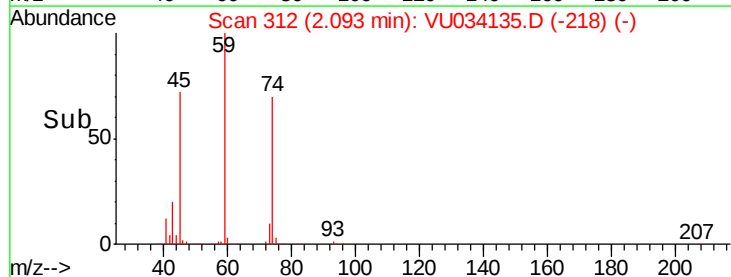
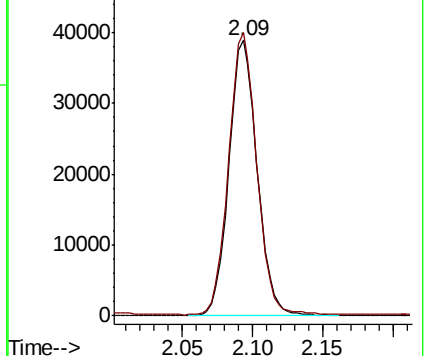
74 100

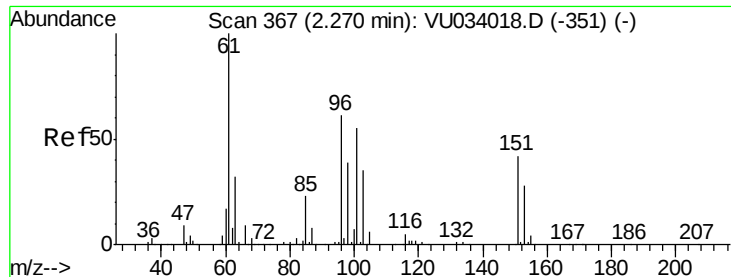
45 102.0 51.8 155.5



Abundance Ion 74.00 (73.70 to 74.70): VU0

Ion 45.00 (44.70 to 45.70): VU0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.457 ug/l

RT: 2.27 min Scan# 368

Delta R.T. 0.00 min

Lab File: VU034135.D

Acq: 31 Aug 2019 21:07

Instrument :

MSVOA_U

ClientSampleId :

VU0902WBS01

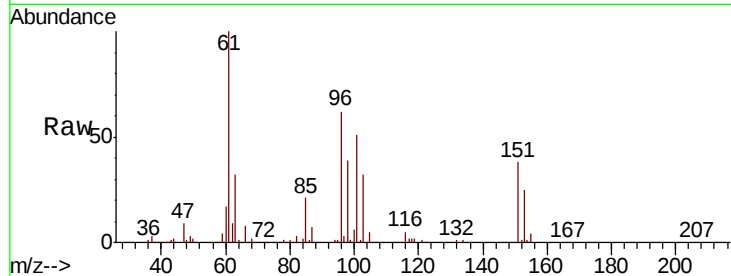
Tgt Ion:101 Resp: 79996

Ion Ratio Lower Upper

101 100

85 42.4 34.2 51.2

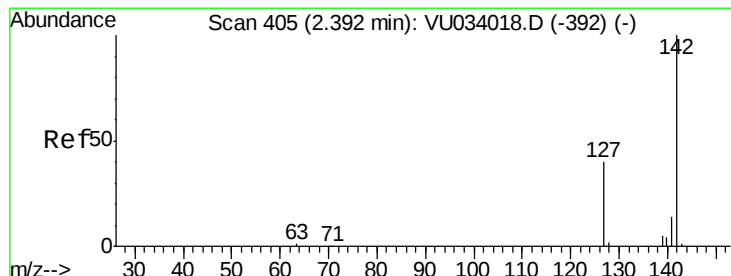
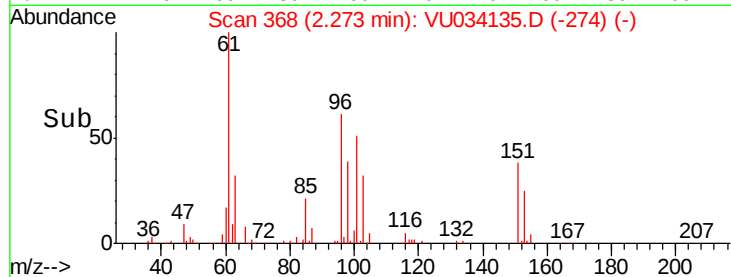
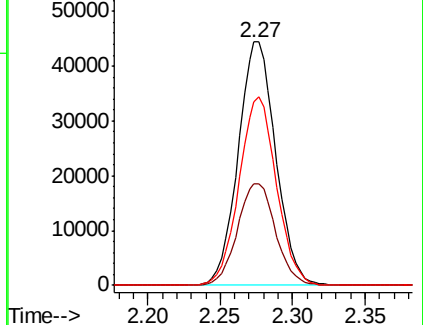
151 76.9 61.4 92.2



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VU0

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 8.821 ug/l

RT: 2.40 min Scan# 407

Delta R.T. 0.01 min

Lab File: VU034135.D

Acq: 31 Aug 2019 21:07

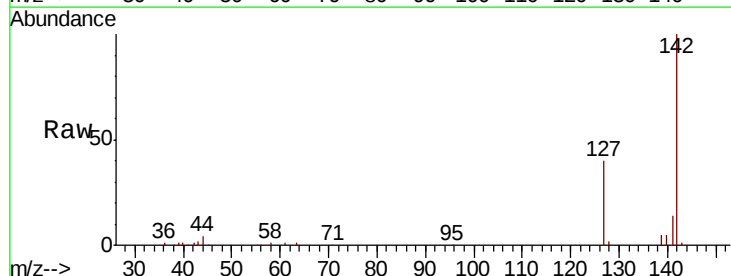
Tgt Ion:142 Resp: 51446

Ion Ratio Lower Upper

142 100

127 40.8 32.6 48.8

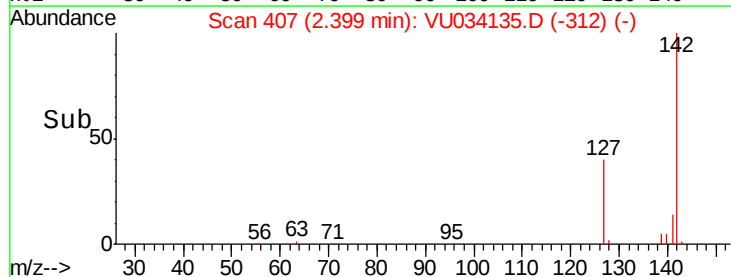
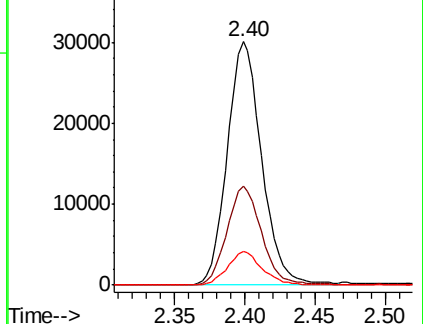
141 13.6 11.3 16.9

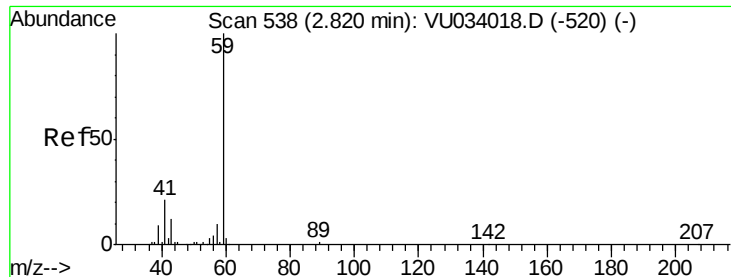


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

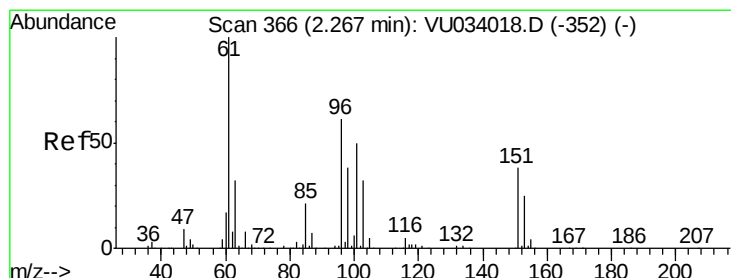
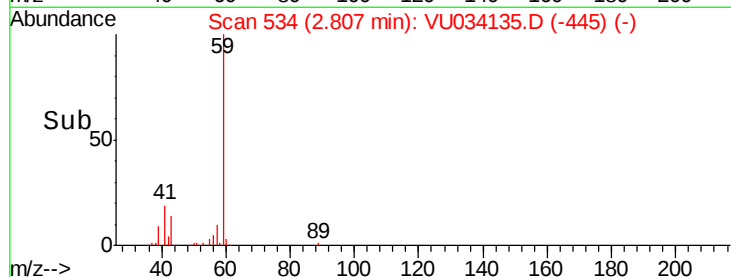
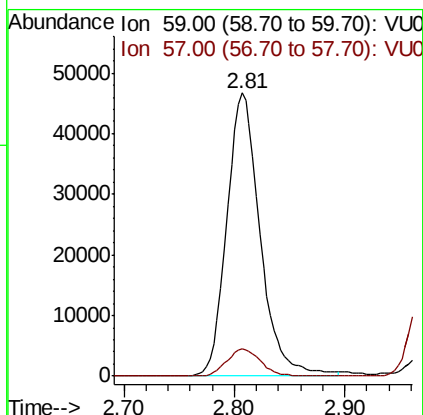
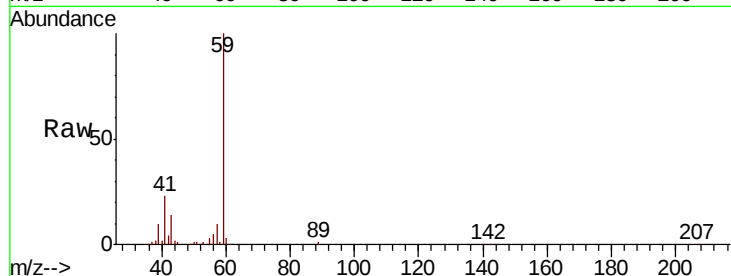




#11
Tert butyl alcohol
Concen: 79.134 ug/l
RT: 2.81 min Scan# 534
Delta R.T. -0.01 min
Lab File: VU034135.D
Acq: 31 Aug 2019 21:07

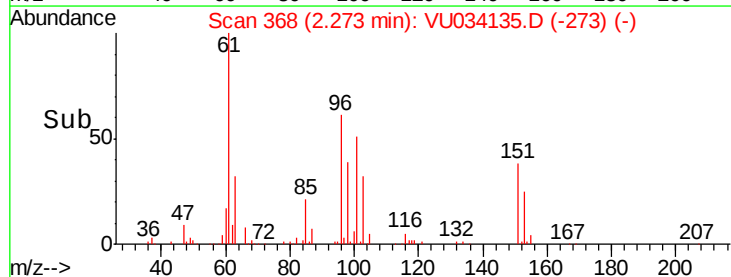
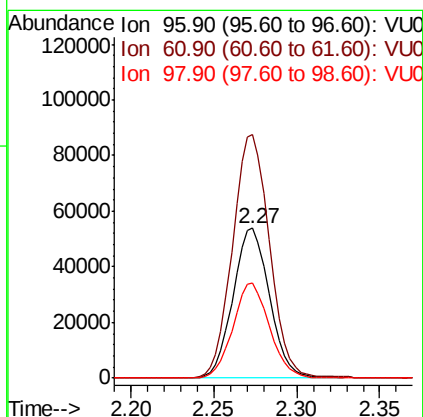
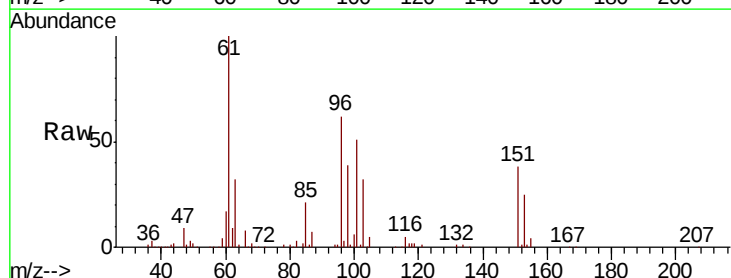
Instrument :
MSVOA_U
ClientSampleId :
VU0902WBS01

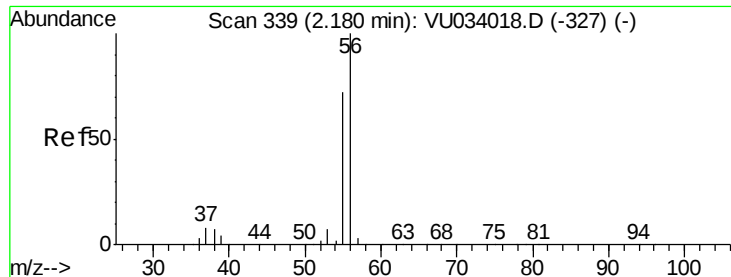
Tgt Ion: 59 Resp: 97845
Ion Ratio Lower Upper
59 100
57 9.9 8.0 12.0



#12
1,1-Dichloroethene
Concen: 19.810 ug/l
RT: 2.27 min Scan# 368
Delta R.T. 0.01 min
Lab File: VU034135.D
Acq: 31 Aug 2019 21:07

Tgt Ion: 96 Resp: 82987
Ion Ratio Lower Upper
96 100
61 162.4 131.3 196.9
98 63.2 50.3 75.5





#13

Acrolein

Concen: 68.679 ug/l

RT: 2.18 min Scan# 340

Delta R.T. 0.00 min

Lab File: VU034135.D

Acq: 31 Aug 2019 21:07

Instrument :

MSVOA_U

ClientSampleId :

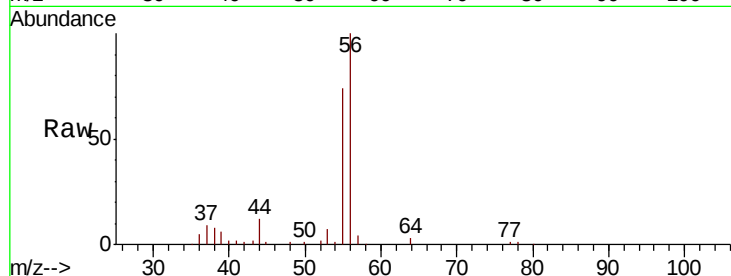
VU0902WBS01

Tgt Ion: 56 Resp: 35723

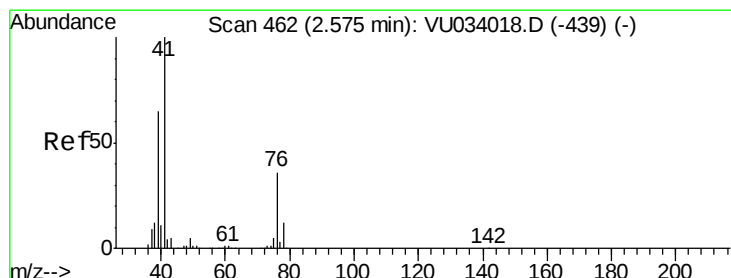
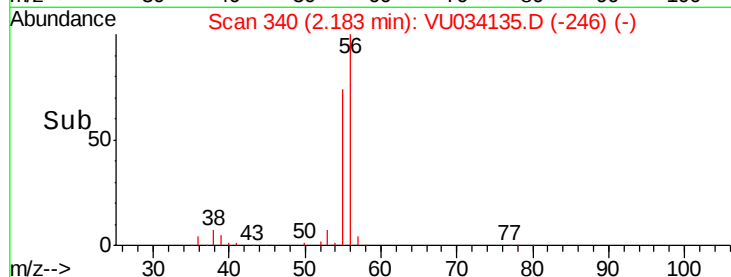
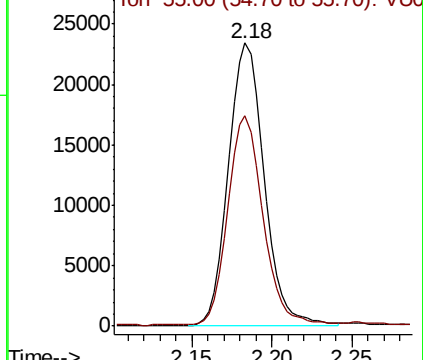
Ion Ratio Lower Upper

56 100

55 72.3 57.1 85.7



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



#14

Allyl chloride

Concen: 16.606 ug/l

RT: 2.58 min Scan# 463

Delta R.T. 0.00 min

Lab File: VU034135.D

Acq: 31 Aug 2019 21:07

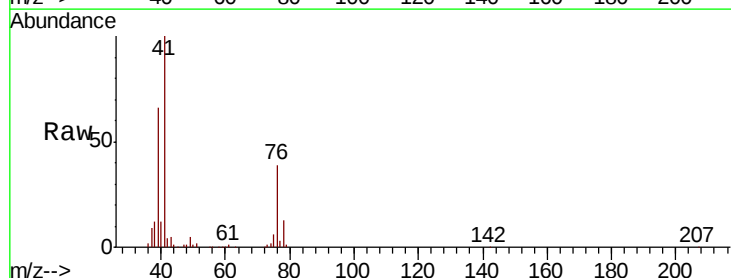
Tgt Ion: 41 Resp: 130796

Ion Ratio Lower Upper

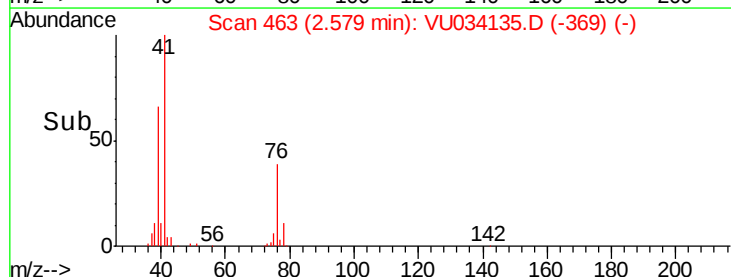
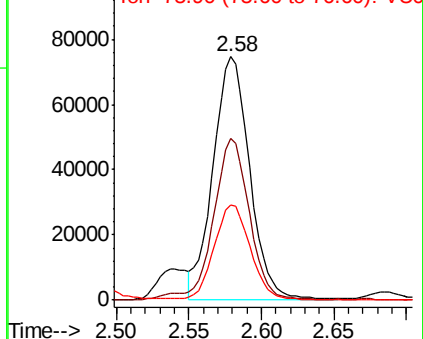
41 100

39 65.4 46.8 70.2

76 38.1 26.6 40.0



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





#15

Acrylonitrile

Concen: 95.739 ug/l

RT: 2.92 min Scan# 569

Delta R.T. 0.00 min

Lab File: VU034135.D

Acq: 31 Aug 2019 21:07

Instrument :

MSVOA_U

ClientSampleId :

VU0902WBS01

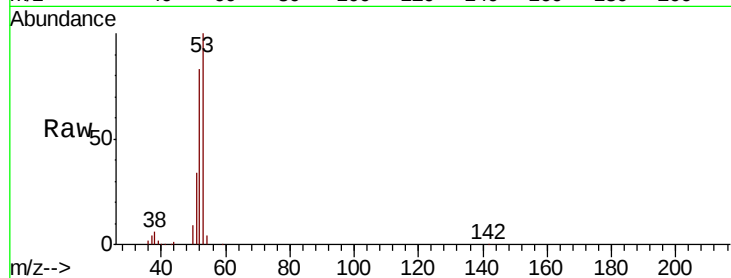
Tgt Ion: 53 Resp: 271638

Ion Ratio Lower Upper

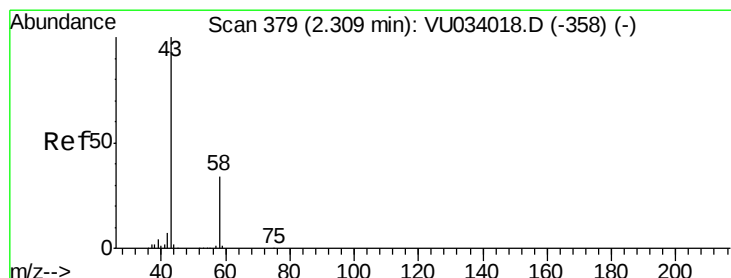
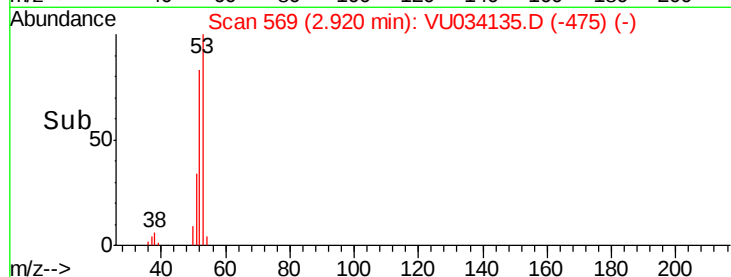
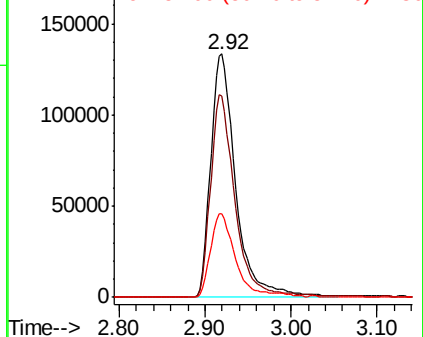
53 100

52 81.2 65.7 98.5

51 33.6 27.9 41.9



Abundance Ion 53.00 (52.70 to 53.70): VU0
Ion 52.00 (51.70 to 52.70): VU0
Ion 51.00 (50.70 to 51.70): VU0



#16

Acetone

Concen: 81.937 ug/l

RT: 2.31 min Scan# 379

Delta R.T. 0.00 min

Lab File: VU034135.D

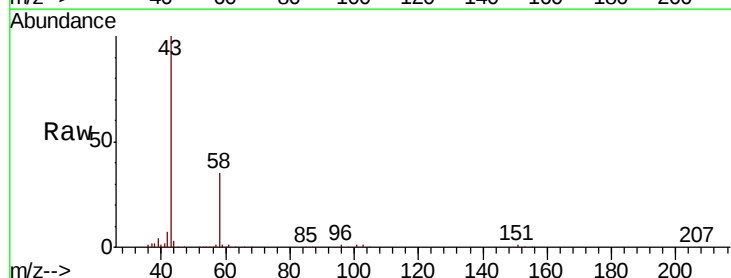
Acq: 31 Aug 2019 21:07

Tgt Ion: 43 Resp: 224165

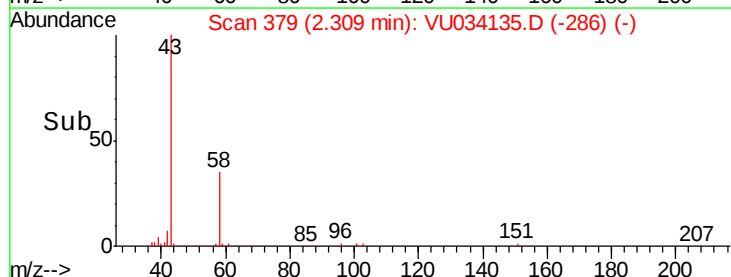
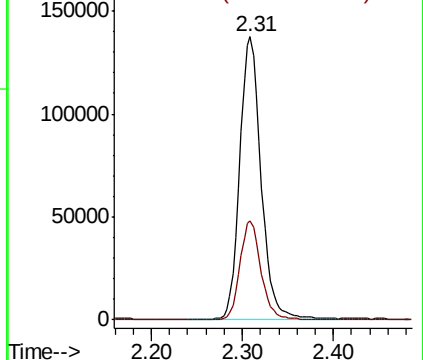
Ion Ratio Lower Upper

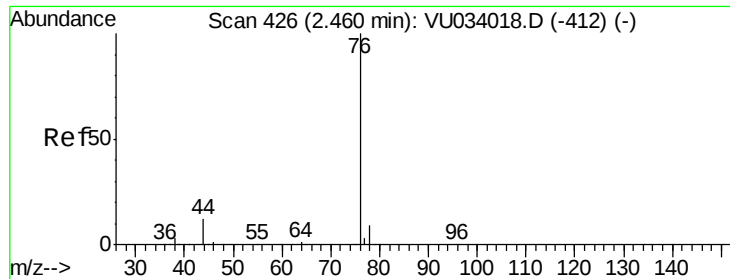
43 100

58 35.1 26.8 40.2



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

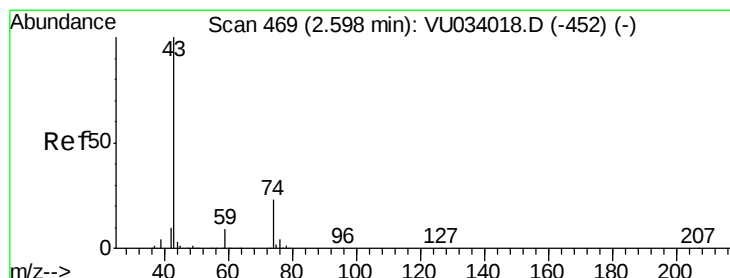
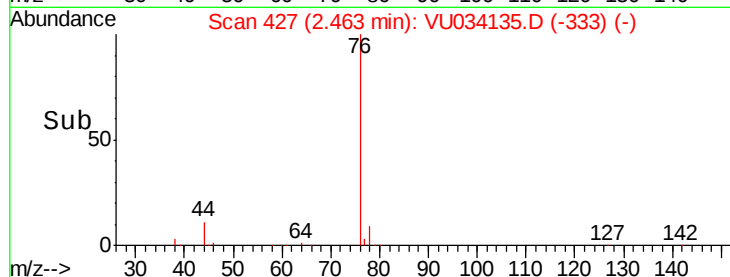
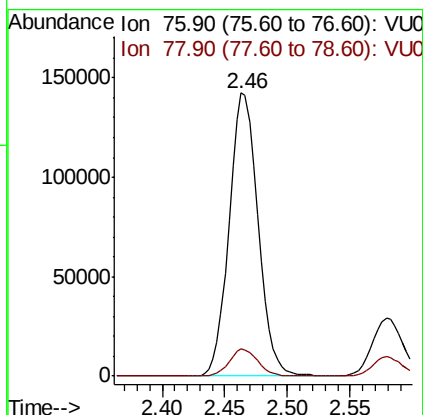
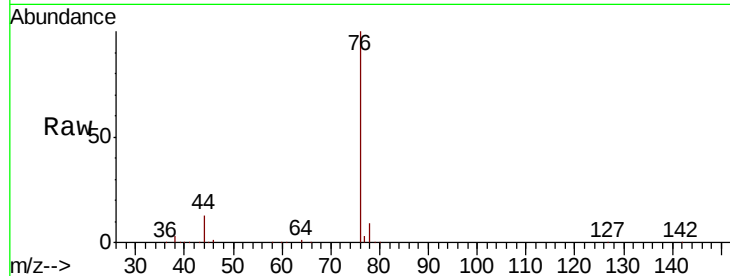




#17
Carbon Disulfide
Concen: 17.234 ug/l
RT: 2.46 min Scan# 427
Delta R.T. 0.00 min
Lab File: VU034135.D
Acq: 31 Aug 2019 21:07

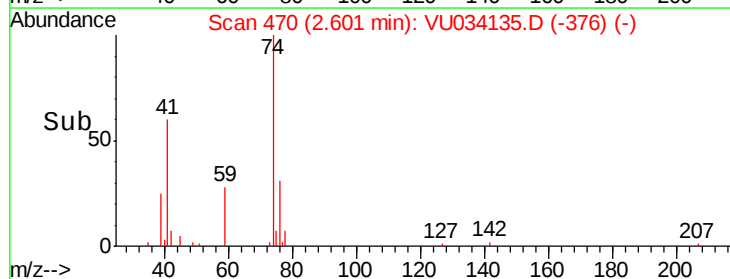
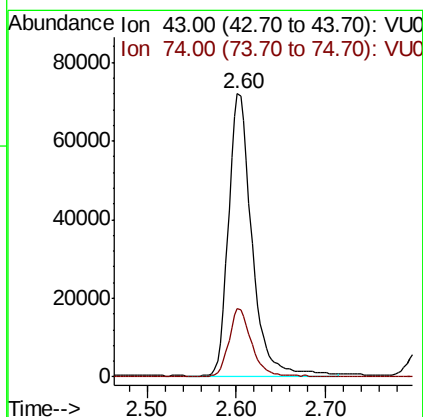
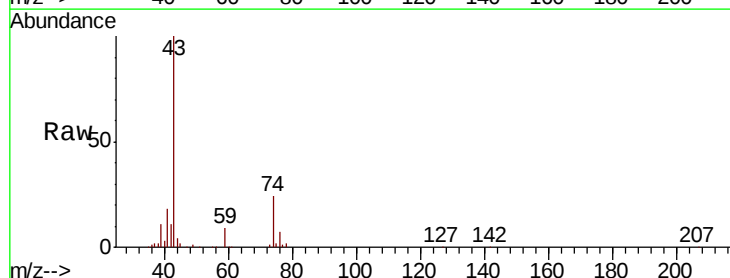
Instrument :
MSVOA_U
ClientSampleId :
VU0902WBS01

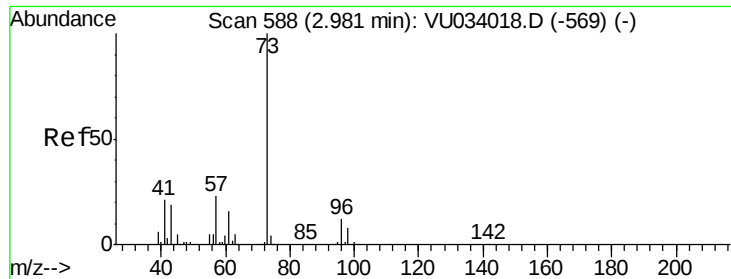
Tgt Ion: 76 Resp: 228495
Ion Ratio Lower Upper
76 100
78 9.5 7.1 10.7



#18
Methyl Acetate
Concen: 18.533 ug/l
RT: 2.60 min Scan# 470
Delta R.T. 0.00 min
Lab File: VU034135.D
Acq: 31 Aug 2019 21:07

Tgt Ion: 43 Resp: 131028
Ion Ratio Lower Upper
43 100
74 23.5 19.2 28.8



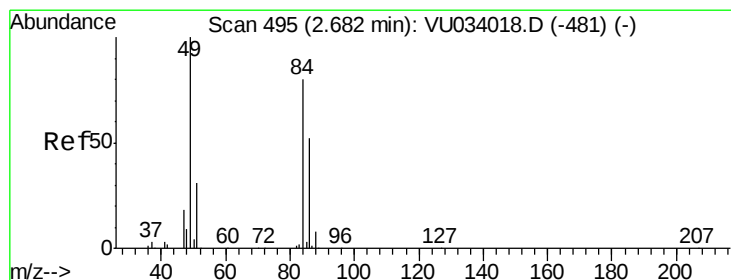
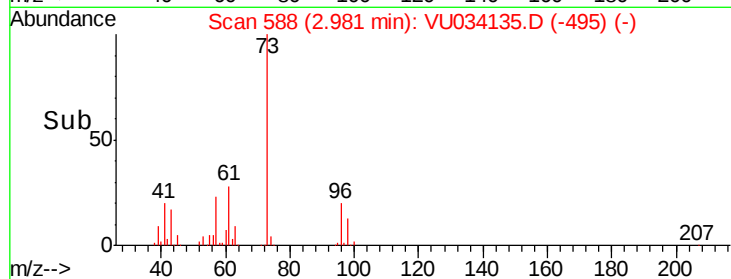
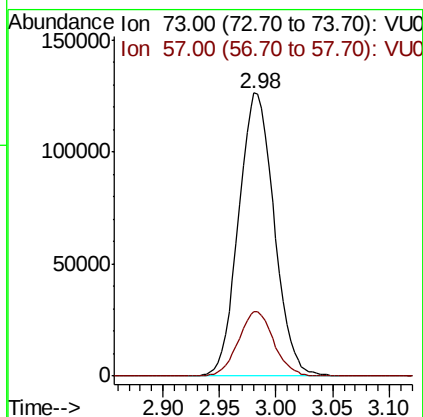
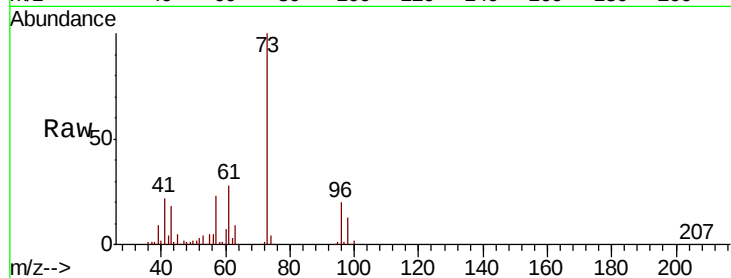


#19

Methyl tert-butyl Ether
 Concen: 20.190 ug/l
 RT: 2.98 min Scan# 588
 Delta R.T. 0.00 min
 Lab File: VU034135.D
 Acq: 31 Aug 2019 21:07

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0902WBS01

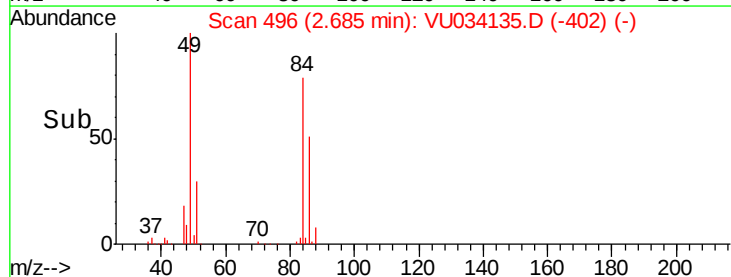
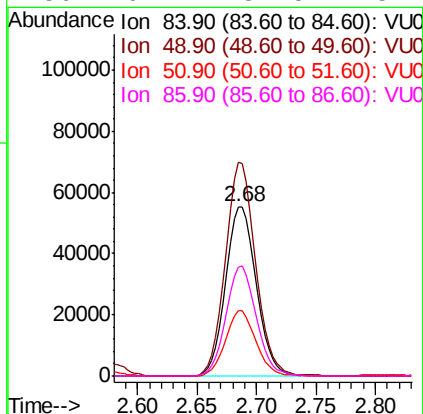
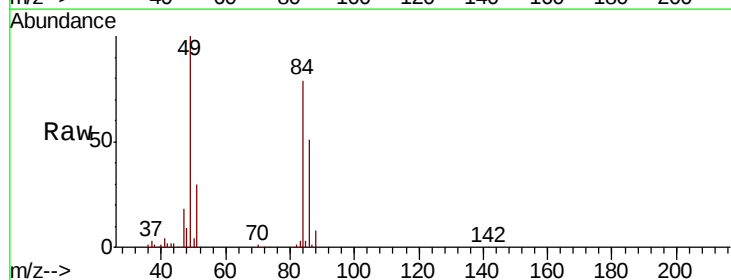
Tgt Ion: 73 Resp: 277116
 Ion Ratio Lower Upper
 73 100
 57 22.8 18.3 27.5

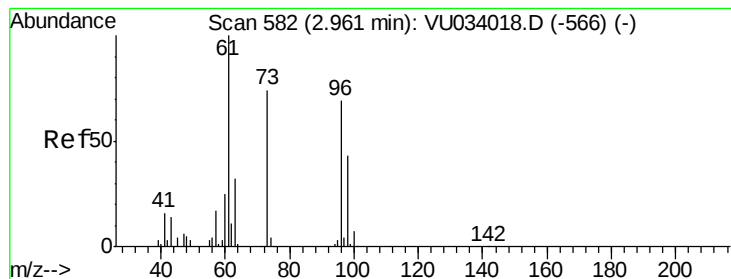


#20

Methylene Chloride
 Concen: 19.178 ug/l
 RT: 2.68 min Scan# 496
 Delta R.T. 0.00 min
 Lab File: VU034135.D
 Acq: 31 Aug 2019 21:07

Tgt Ion: 84 Resp: 99328
 Ion Ratio Lower Upper
 84 100
 49 125.9 100.2 150.4
 51 38.3 30.8 46.2
 86 64.4 52.5 78.7





#21

trans-1,2-Dichloroethene

Concen: 19.565 ug/l

RT: 2.97 min Scan# 584

Delta R.T. 0.01 min

Lab File: VU034135.D

Acq: 31 Aug 2019 21:07

Instrument :

MSVOA_U

ClientSampleId :

VU0902WBS01

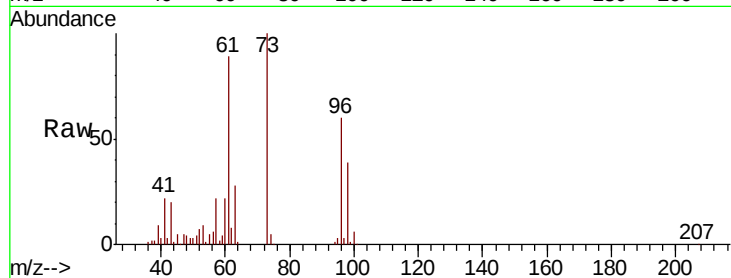
Tgt Ion: 96 Resp: 88951

Ion Ratio Lower Upper

96 100

61 147.7 115.5 173.3

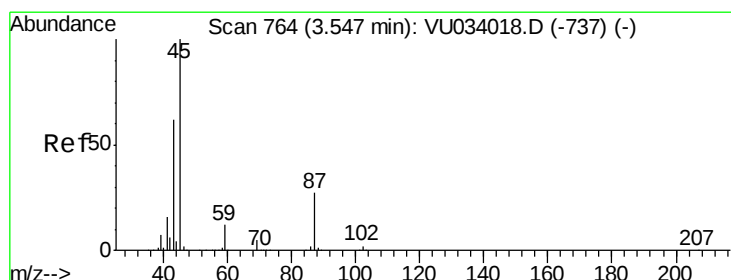
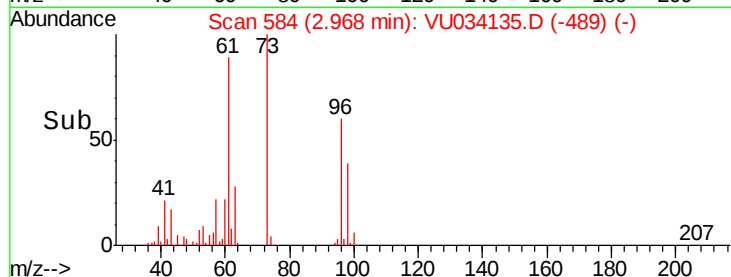
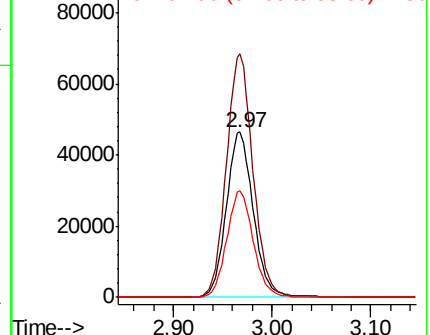
98 65.0 50.1 75.1



Abundance Ion 95.90 (95.60 to 96.60): VU034135.D (-489) (-)

Ion 60.90 (60.60 to 61.60): VU034135.D (-489) (-)

Ion 97.90 (97.60 to 98.60): VU034135.D (-489) (-)



#22

Diisopropyl ether

Concen: 20.191 ug/l

RT: 3.55 min Scan# 765

Delta R.T. 0.00 min

Lab File: VU034135.D

Acq: 31 Aug 2019 21:07

Tgt Ion: 45 Resp: 291407

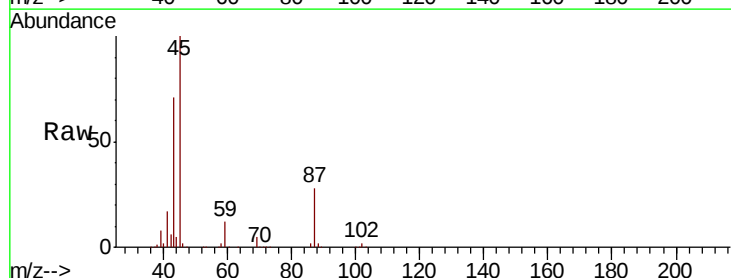
Ion Ratio Lower Upper

45 100

43 70.7 49.7 74.5

87 28.1 21.8 32.8

59 12.0 9.3 13.9

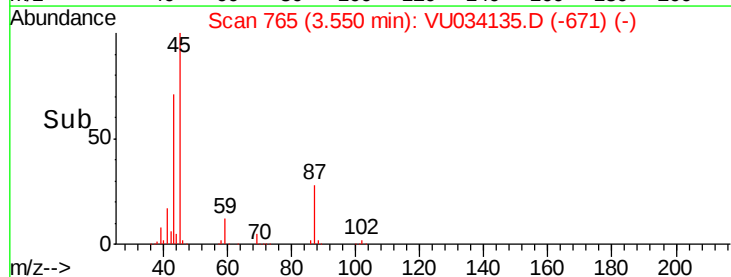
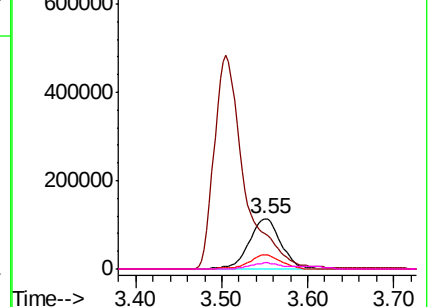


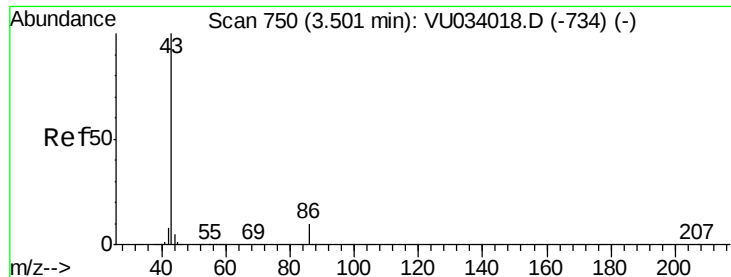
Abundance Ion 45.00 (44.70 to 45.70): VU034135.D (-671) (-)

Ion 43.00 (42.70 to 43.70): VU034135.D (-671) (-)

Ion 87.00 (86.70 to 87.70): VU034135.D (-671) (-)

Ion 59.00 (58.70 to 59.70): VU034135.D (-671) (-)

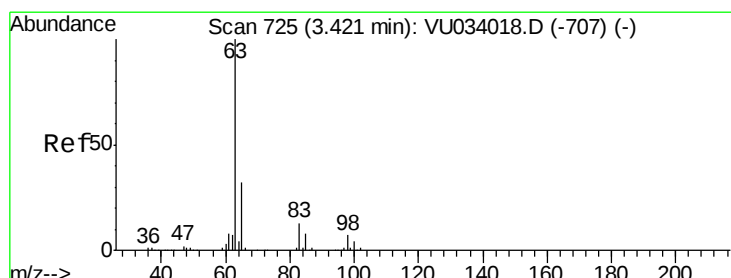
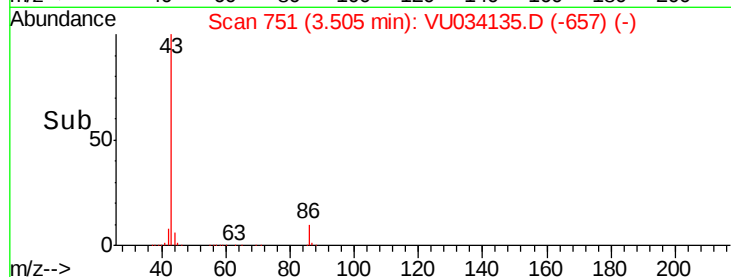
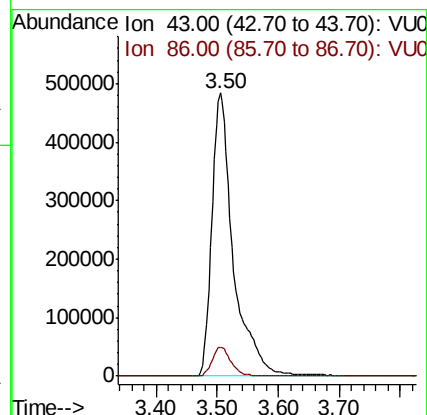
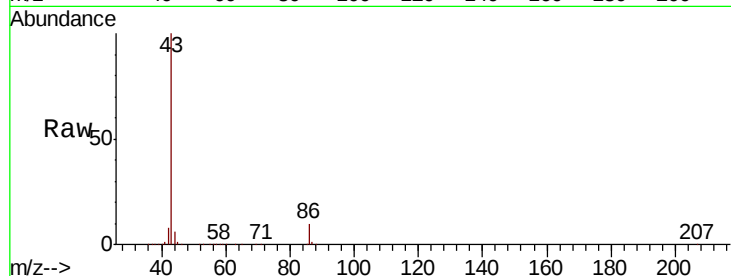




#23
 Vinyl Acetate
 Concen: 96.141 ug/l
 RT: 3.50 min Scan# 751
 Delta R.T. 0.00 min
 Lab File: VU034135.D
 Acq: 31 Aug 2019 21:07

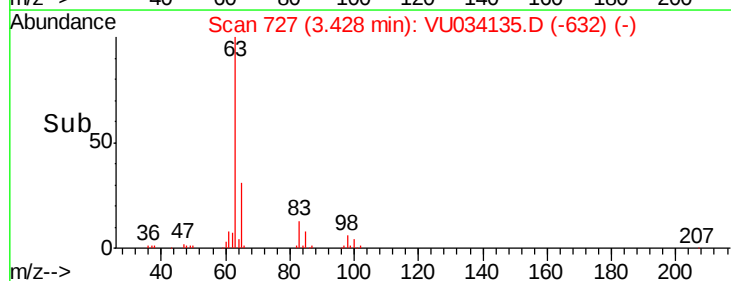
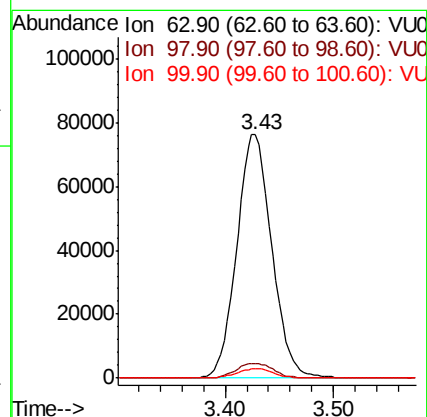
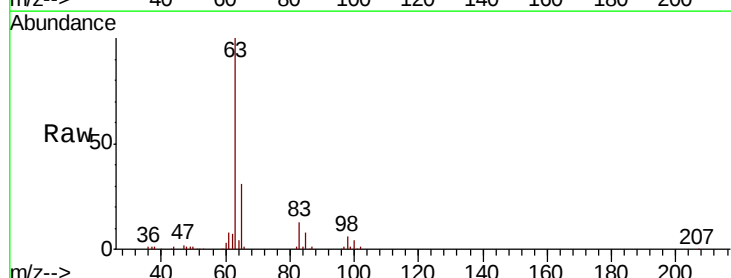
Instrument :
 MSVOA_U
 ClientSampleId :
 VU0902WBS01

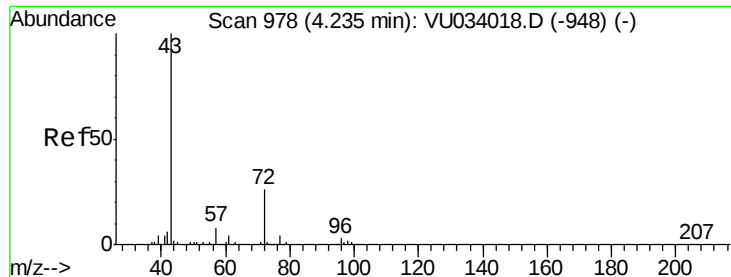
Tgt Ion: 43 Resp: 1191950
 Ion Ratio Lower Upper
 43 100
 86 10.3 8.3 12.5



#24
 1,1-Dichloroethane
 Concen: 20.242 ug/l
 RT: 3.43 min Scan# 727
 Delta R.T. 0.01 min
 Lab File: VU034135.D
 Acq: 31 Aug 2019 21:07

Tgt Ion: 63 Resp: 172475
 Ion Ratio Lower Upper
 63 100
 98 6.0 3.3 9.8
 100 4.0 2.0 6.0





#25

2-Butanone

Concen: 90.358 ug/l

RT: 4.24 min Scan# 979

Delta R.T. 0.00 min

Lab File: VU034135.D

Acq: 31 Aug 2019 21:07

Instrument :

MSVOA_U

ClientSampleId :

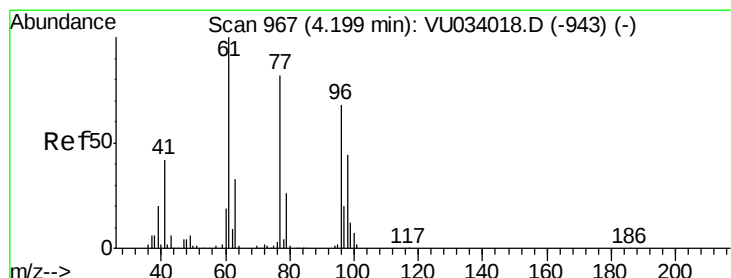
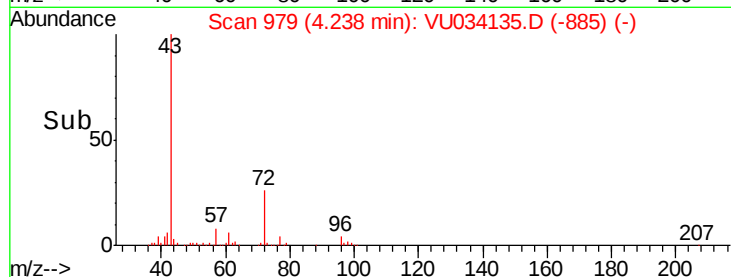
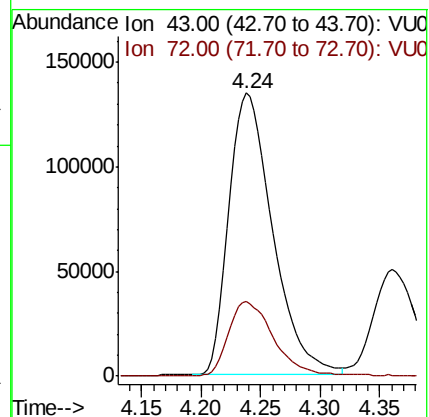
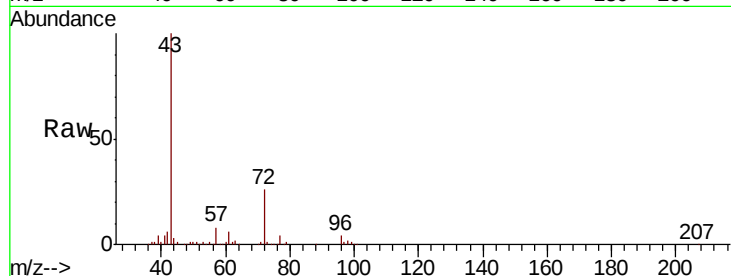
VU0902WBS01

Tgt Ion: 43 Resp: 343923

Ion Ratio Lower Upper

43 100

72 26.1 21.2 31.8



#26

2,2-Dichloropropane

Concen: 15.893 ug/l

RT: 4.20 min Scan# 968

Delta R.T. 0.00 min

Lab File: VU034135.D

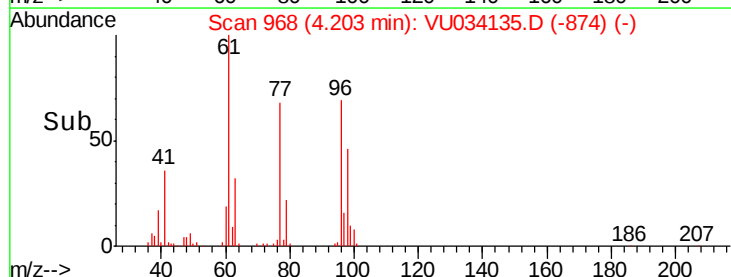
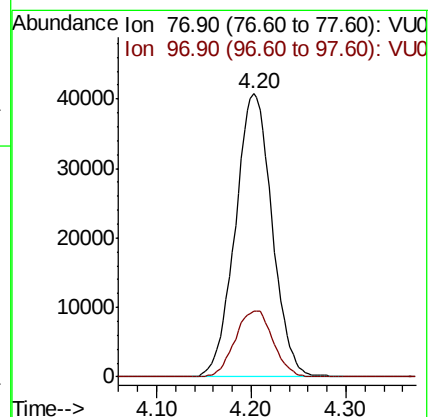
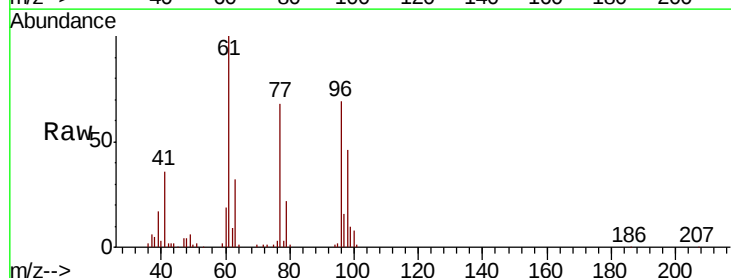
Acq: 31 Aug 2019 21:07

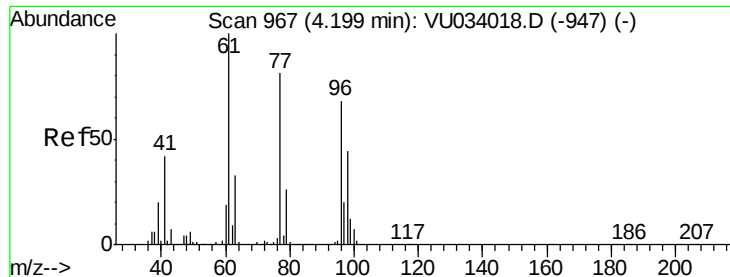
Tgt Ion: 77 Resp: 110195

Ion Ratio Lower Upper

77 100

97 23.9 11.6 34.7



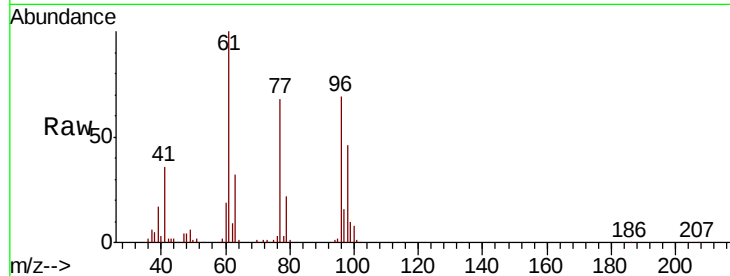


#27

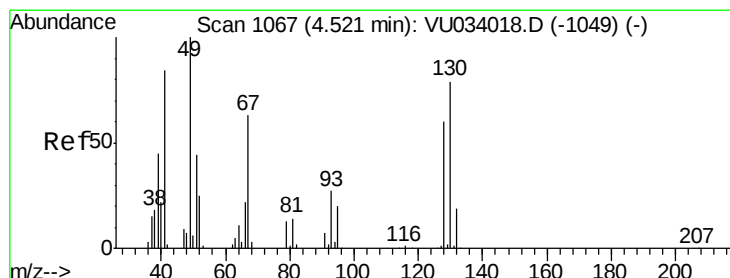
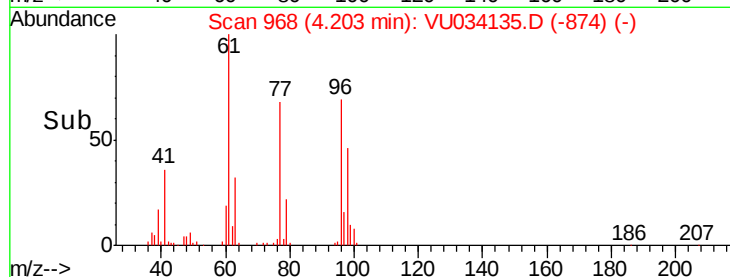
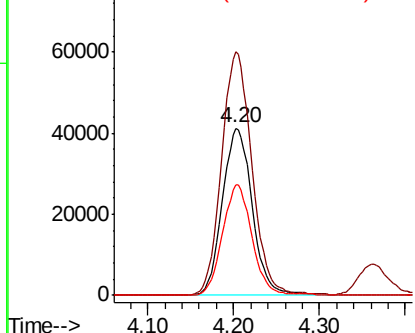
cis-1,2-Dichloroethene
 Concen: 19.568 ug/l
 RT: 4.20 min Scan# 968
 Delta R.T. 0.00 min
 Lab File: VU034135.D
 Acq: 31 Aug 2019 21:07

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0902WBS01

Tgt Ion: 96 Resp: 99854
 Ion Ratio Lower Upper
 96 100
 61 146.7 0.0 303.0
 98 65.4 0.0 129.2



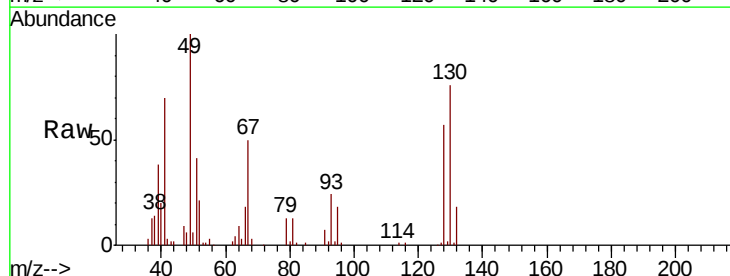
Abundance Ion 95.90 (95.60 to 96.60): VU0
 Ion 60.90 (60.60 to 61.60): VU0
 Ion 97.90 (97.60 to 98.60): VU0



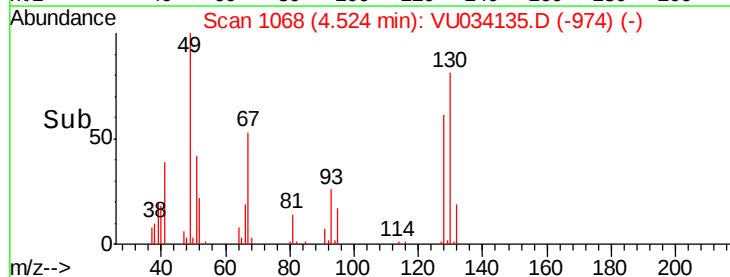
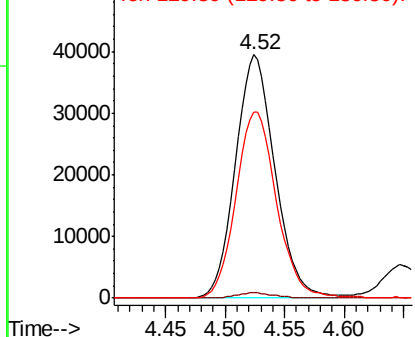
#28

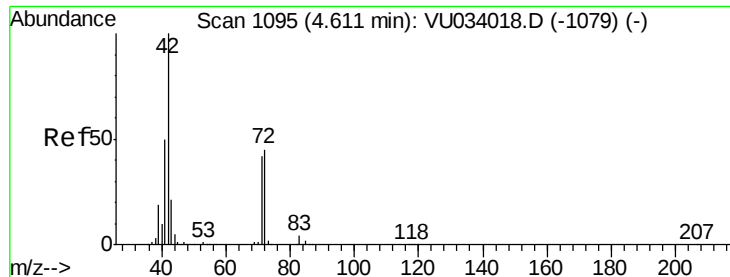
Bromochloromethane
 Concen: 21.613 ug/l
 RT: 4.52 min Scan# 1068
 Delta R.T. 0.00 min
 Lab File: VU034135.D
 Acq: 31 Aug 2019 21:07

Tgt Ion: 49 Resp: 90731
 Ion Ratio Lower Upper
 49 100
 129 2.0 0.0 3.6
 130 78.8 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: 96.189 ug/l

RT: 4.61 min Scan# 1096

Delta R.T. 0.00 min

Lab File: VU034135.D

Acq: 31 Aug 2019 21:07

Instrument :

MSVOA_U

ClientSampleId :

VU0902WBS01

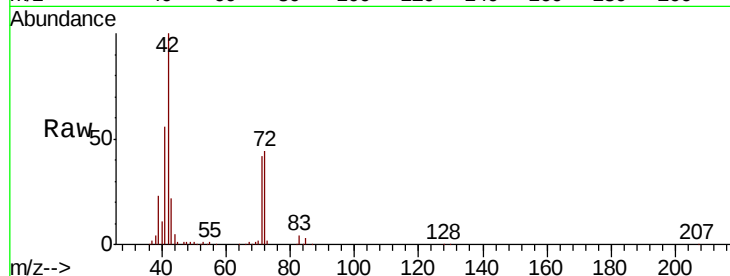
Tgt Ion: 42 Resp: 225784

Ion Ratio Lower Upper

42 100

72 45.6 35.8 53.6

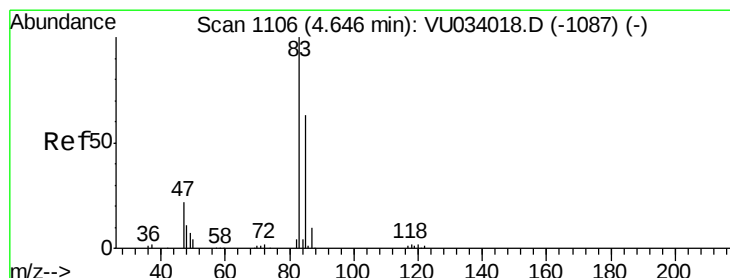
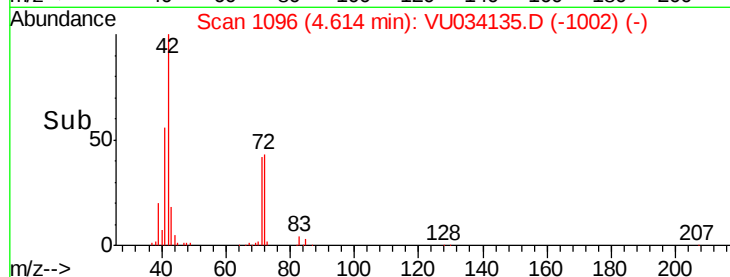
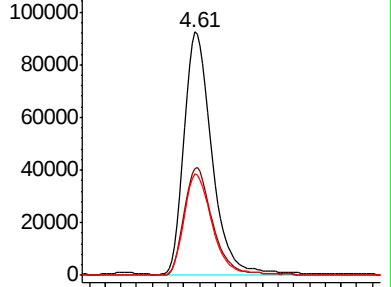
71 42.3 34.0 51.0



Abundance Ion 42.00 (41.70 to 42.70): VU034018.D (-1079) (-)

Ion 72.00 (71.70 to 72.70): VU034018.D (-1079) (-)

Ion 71.00 (70.70 to 71.70): VU034018.D (-1079) (-)



#30

Chloroform

Concen: 20.113 ug/l

RT: 4.65 min Scan# 1107

Delta R.T. 0.00 min

Lab File: VU034135.D

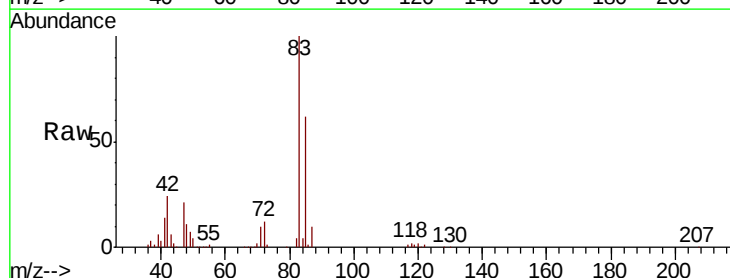
Acq: 31 Aug 2019 21:07

Tgt Ion: 83 Resp: 170987

Ion Ratio Lower Upper

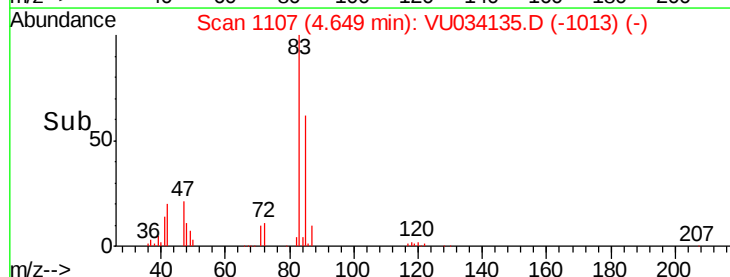
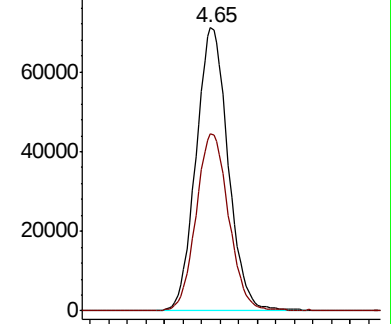
83 100

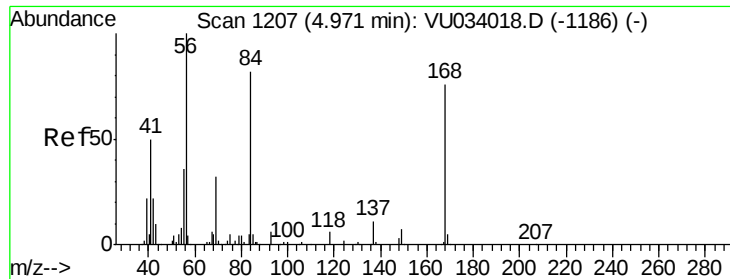
85 62.4 50.7 76.1



Abundance Ion 82.90 (82.60 to 83.60): VU034018.D (-1087) (-)

Ion 84.90 (84.60 to 85.60): VU034018.D (-1087) (-)

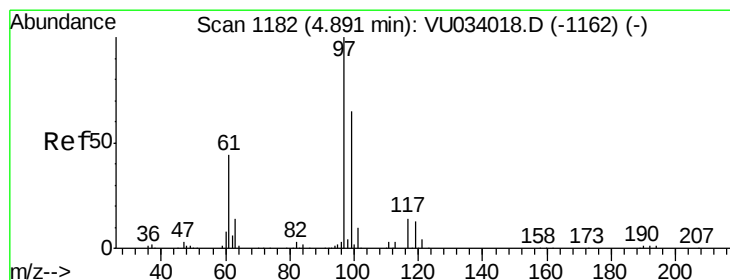
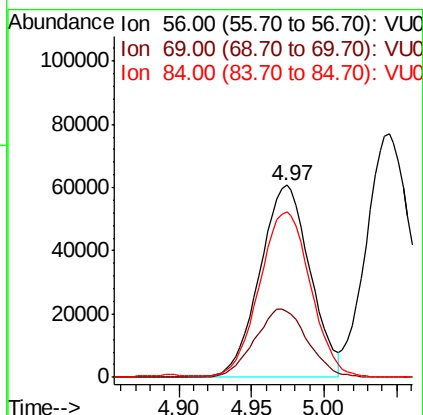
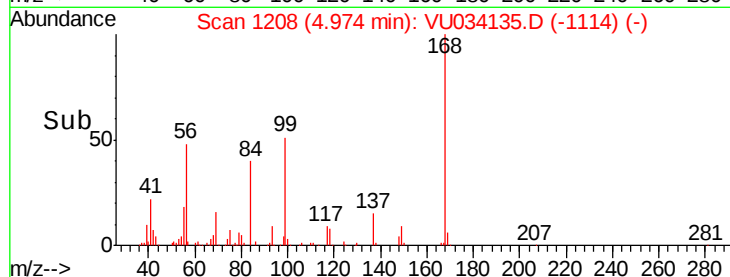
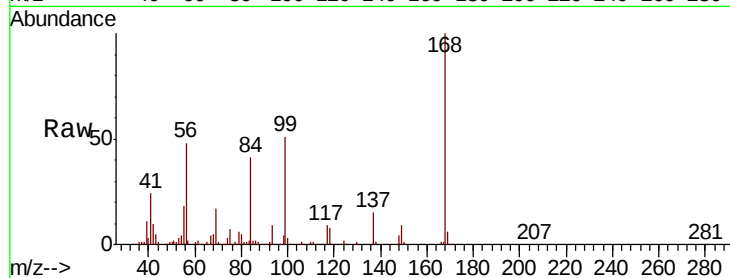




#31
Cyclohexane
Concen: 18.262 ug/l
RT: 4.97 min Scan# 1208
Delta R.T. 0.00 min
Lab File: VU034135.D
Acq: 31 Aug 2019 21:07

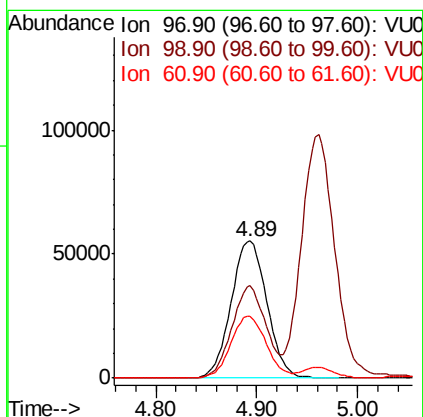
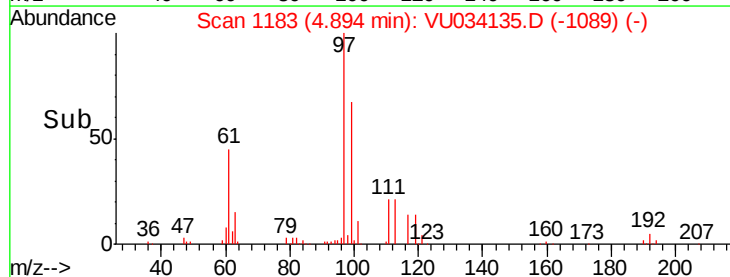
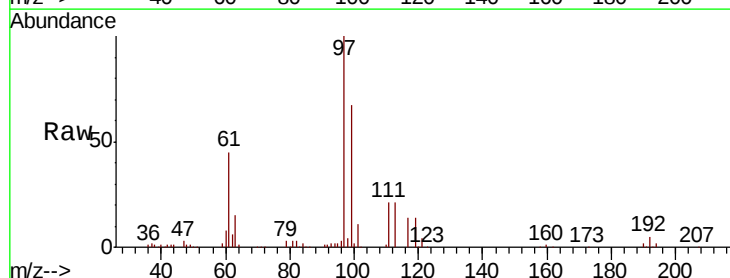
Instrument :
MSVOA_U
ClientSampleId :
VU0902WBS01

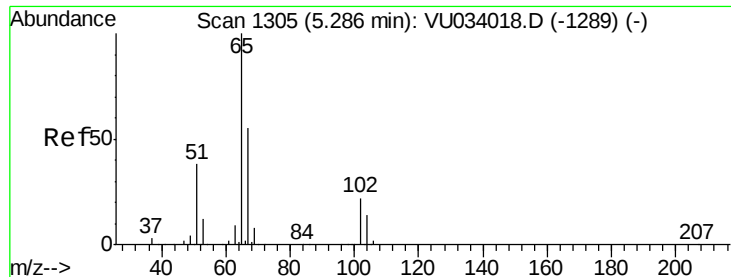
Tgt Ion: 56 Resp: 146220
Ion Ratio Lower Upper
56 100
69 34.5 25.4 38.0
84 85.2 65.8 98.8



#32
1,1,1-Trichloroethane
Concen: 19.666 ug/l
RT: 4.89 min Scan# 1183
Delta R.T. 0.00 min
Lab File: VU034135.D
Acq: 31 Aug 2019 21:07

Tgt Ion: 97 Resp: 136926
Ion Ratio Lower Upper
97 100
99 63.4 51.8 77.6
61 44.6 35.3 52.9





#33

1,2-Dichloroethane-d4

Concen: 49.749 ug/l

RT: 5.29 min Scan# 1305

Delta R.T. 0.00 min

Lab File: VU034135.D

Acq: 31 Aug 2019 21:07

Instrument :

MSVOA_U

ClientSampleId :

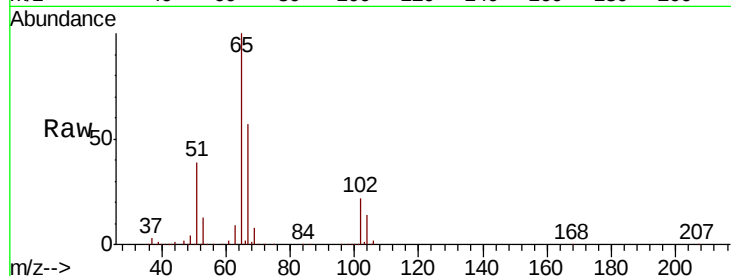
VU0902WBS01

Tgt Ion: 65 Resp: 266741

Ion Ratio Lower Upper

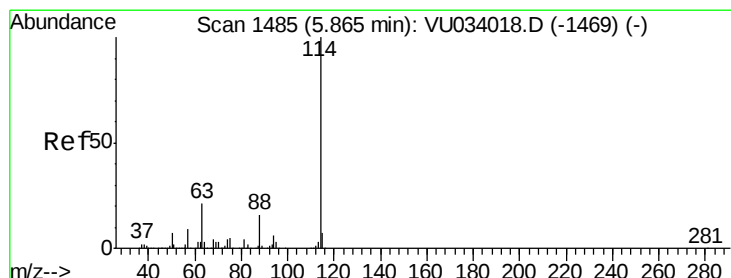
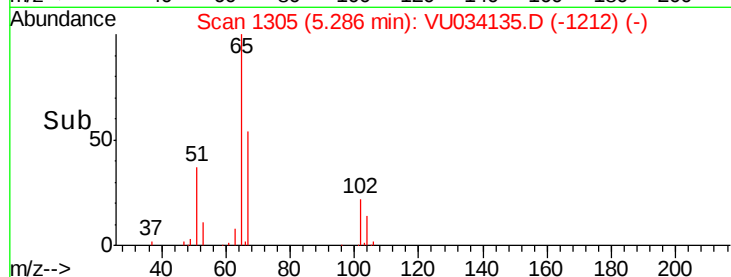
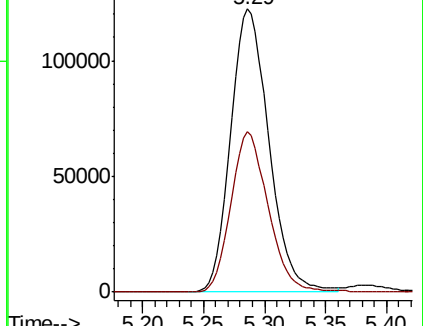
65 100

67 55.6 0.0 110.6



Abundance Ion 64.90 (64.60 to 65.60): VU034135.D (-1289) (-)

Ion 66.90 (66.60 to 67.60): VU034135.D (-1289) (-)



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.86 min Scan# 1485

Delta R.T. 0.00 min

Lab File: VU034135.D

Acq: 31 Aug 2019 21:07

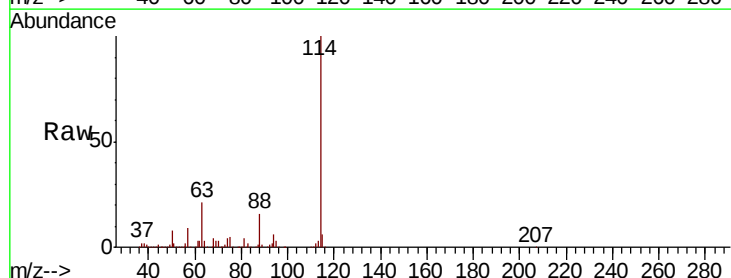
Tgt Ion: 114 Resp: 684326

Ion Ratio Lower Upper

114 100

63 20.6 0.0 42.0

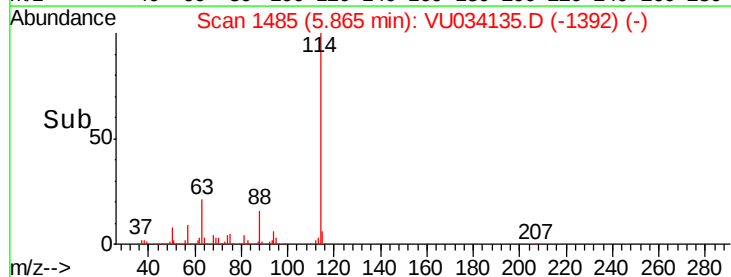
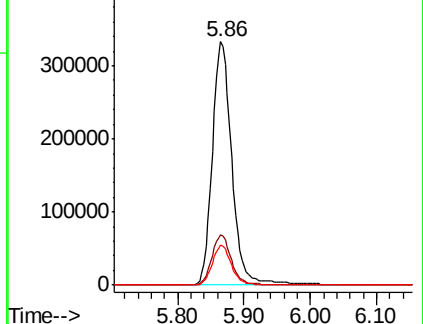
88 16.2 0.0 32.0

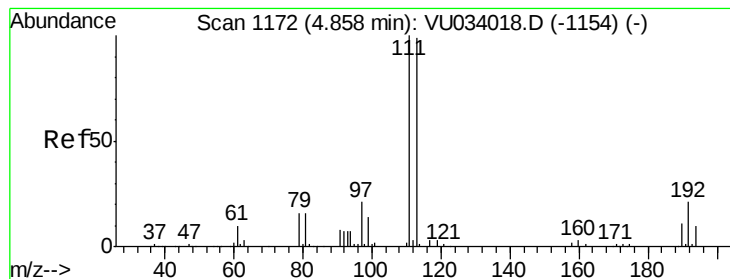


Abundance Ion 113.90 (113.60 to 114.60): VU034135.D (-1469) (-)

Ion 63.00 (62.70 to 63.70): VU034135.D (-1469) (-)

Ion 87.90 (87.60 to 88.60): VU034135.D (-1469) (-)





#35

Dibromofluoromethane

Concen: 47.215 ug/l

RT: 4.86 min Scan# 1172

Delta R.T. 0.00 min

Lab File: VU034135.D

Acq: 31 Aug 2019 21:07

Instrument :

MSVOA_U

ClientSampleId :

VU0902WBS01

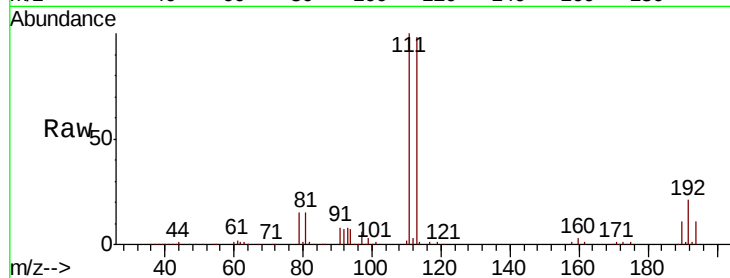
Tgt Ion:113 Resp: 224101

Ion Ratio Lower Upper

113 100

111 103.3 81.7 122.5

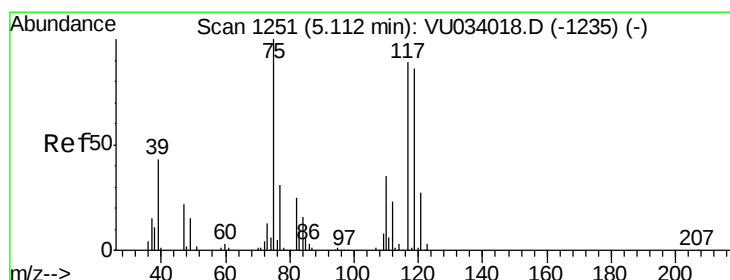
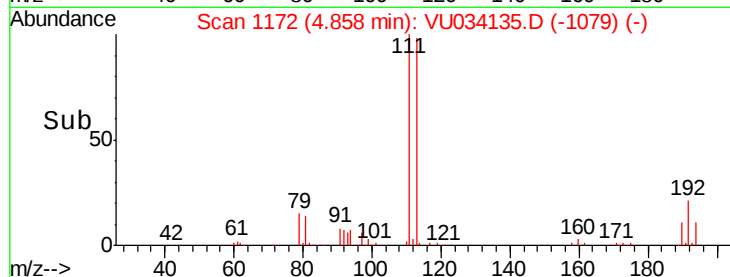
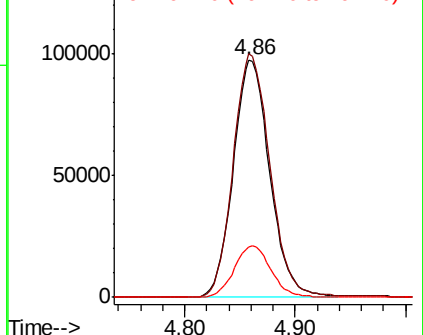
192 21.9 17.1 25.7



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 18.198 ug/l

RT: 5.12 min Scan# 1252

Delta R.T. 0.00 min

Lab File: VU034135.D

Acq: 31 Aug 2019 21:07

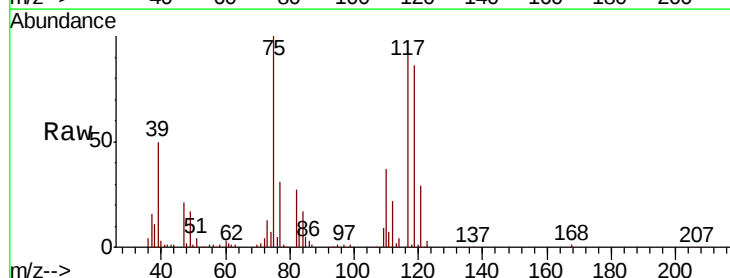
Tgt Ion: 75 Resp: 117793

Ion Ratio Lower Upper

75 100

110 36.1 17.8 53.5

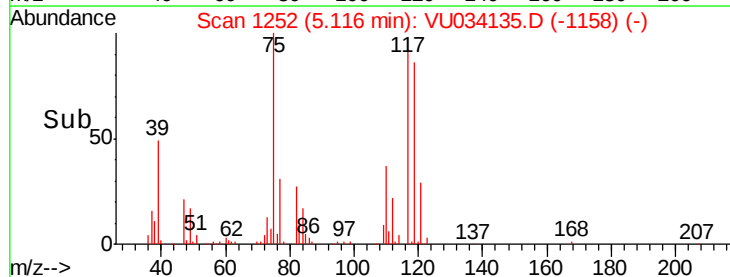
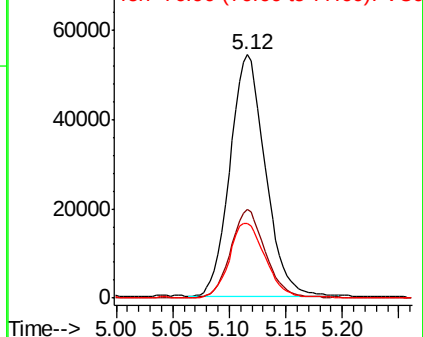
77 32.0 25.0 37.4

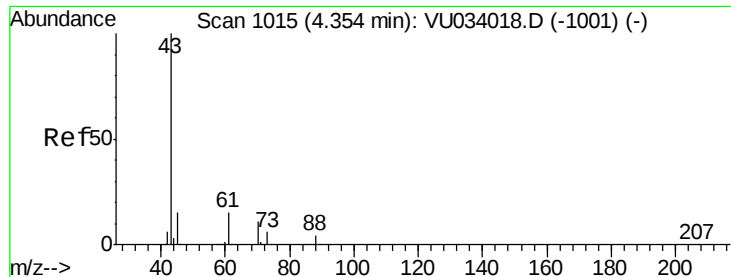


Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VU0

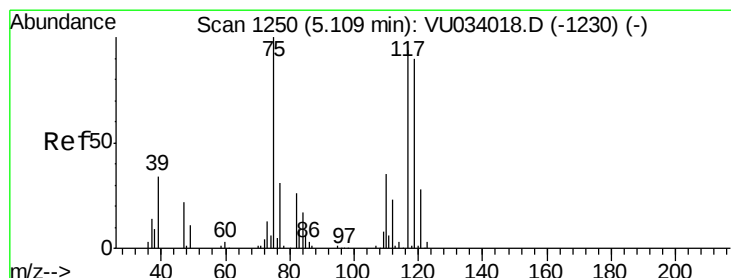
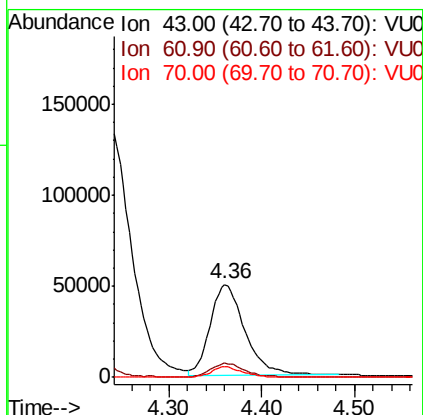
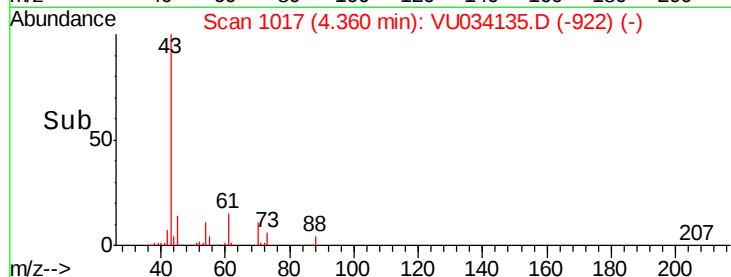
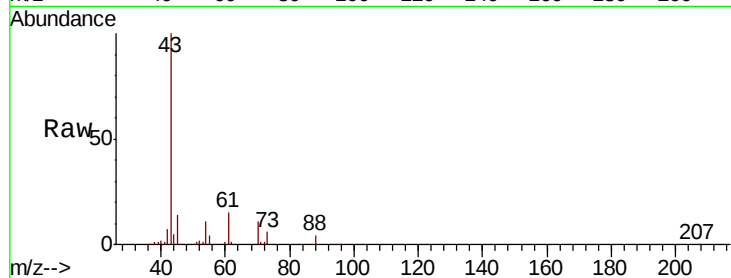




#37
Ethyl Acetate
Concen: 17.904 ug/l
RT: 4.36 min Scan# 1017
Delta R.T. 0.01 min
Lab File: VU034135.D
Acq: 31 Aug 2019 21:07

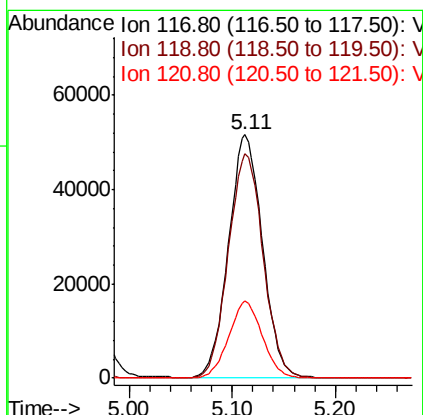
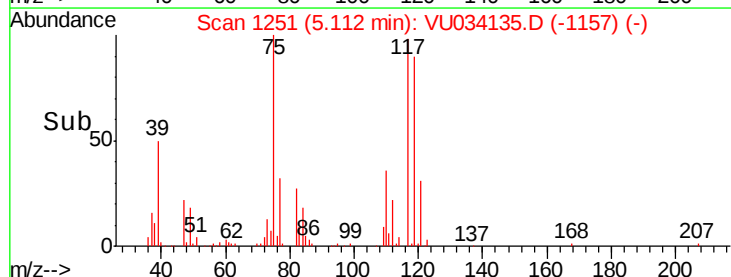
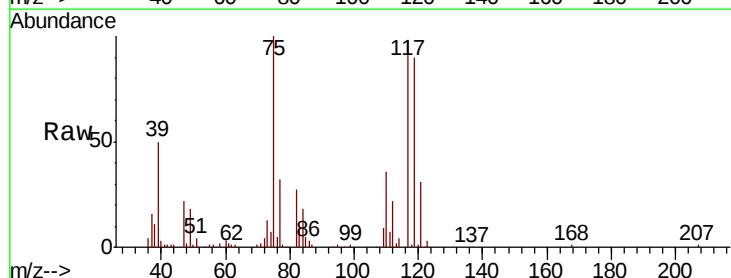
Instrument :
MSVOA_U
ClientSampleId :
VU0902WBS01

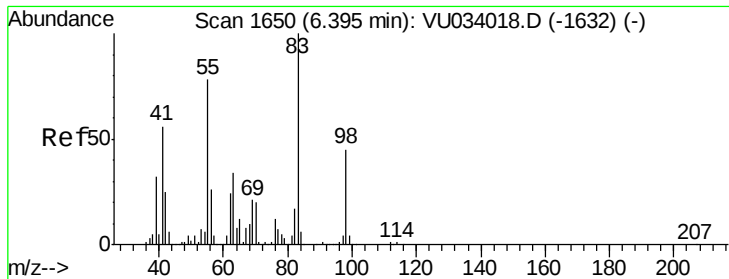
Tgt Ion: 43 Resp: 129773
Ion Ratio Lower Upper
43 100
61 14.2 11.5 17.3
70 10.7 8.6 12.8



#38
Carbon Tetrachloride
Concen: 18.778 ug/l
RT: 5.11 min Scan# 1251
Delta R.T. 0.00 min
Lab File: VU034135.D
Acq: 31 Aug 2019 21:07

Tgt Ion: 117 Resp: 117324
Ion Ratio Lower Upper
117 100
119 92.5 77.0 115.4
121 31.6 23.9 35.9

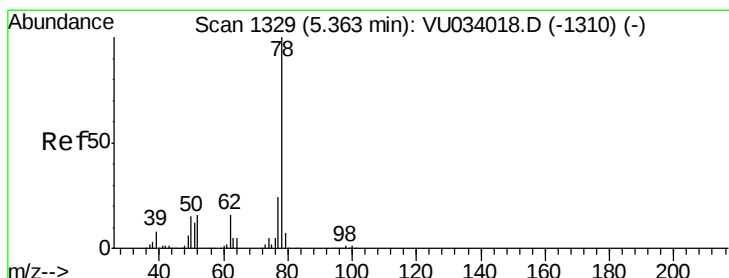
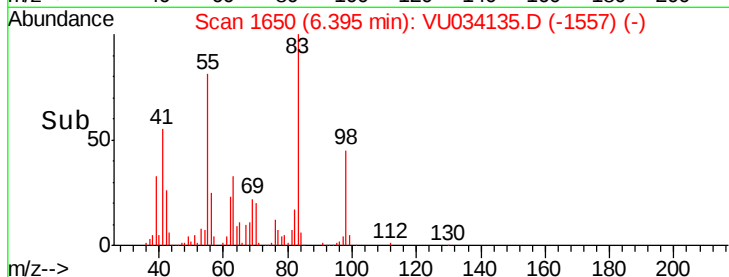
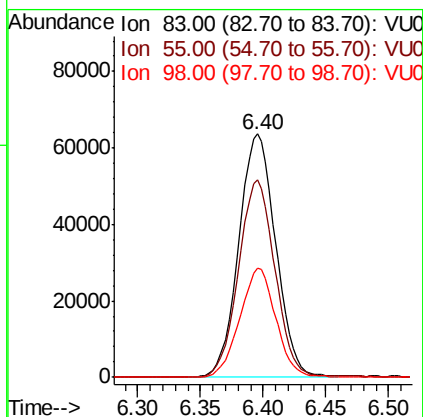
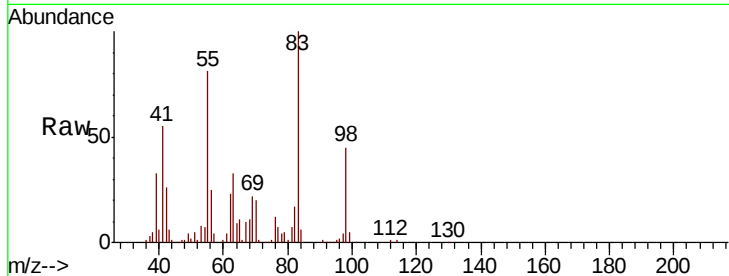




#39
Methylcyclohexane
Concen: 17.117 ug/l
RT: 6.40 min Scan# 1650
Delta R.T. 0.00 min
Lab File: VU034135.D
Acq: 31 Aug 2019 21:07

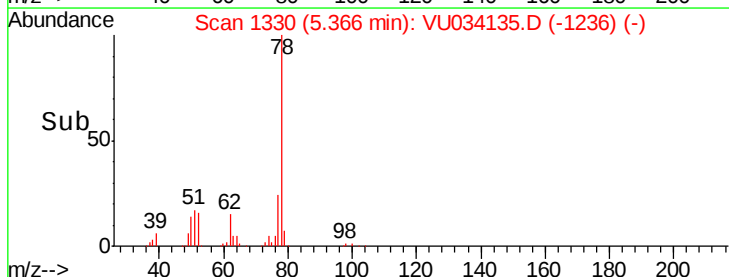
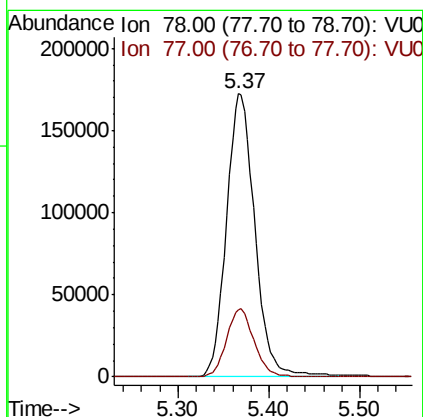
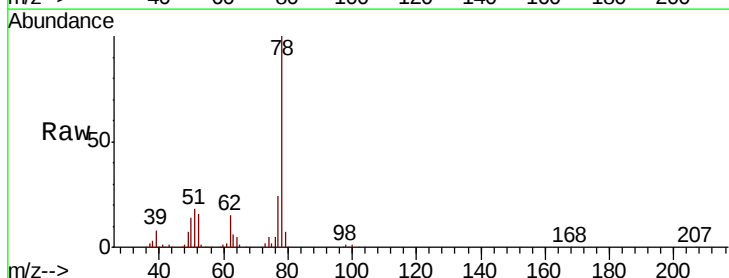
Instrument :
MSVOA_U
ClientSampleId :
VU0902WBS01

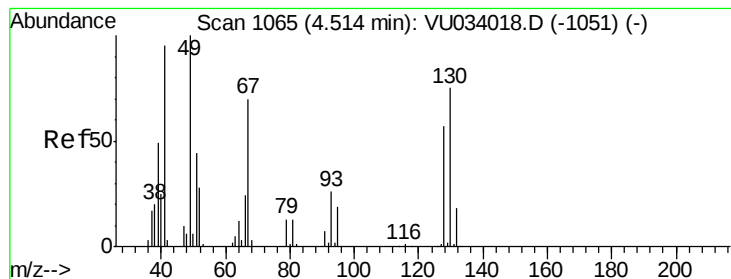
Tgt Ion: 83 Resp: 130585
Ion Ratio Lower Upper
83 100
55 81.1 62.3 93.5
98 44.9 36.2 54.2



#40
Benzene
Concen: 19.087 ug/l
RT: 5.37 min Scan# 1330
Delta R.T. 0.00 min
Lab File: VU034135.D
Acq: 31 Aug 2019 21:07

Tgt Ion: 78 Resp: 373792
Ion Ratio Lower Upper
78 100
77 23.9 19.0 28.6





#41

Methacrylonitrile

Concen: 18.531 ug/l

RT: 4.52 min Scan# 1067

Delta R.T. 0.01 min

Lab File: VU034135.D

Acq: 31 Aug 2019 21:07

Instrument :

MSVOA_U

ClientSampleId :

VU0902WBS01

Tgt Ion: 41 Resp: 68886

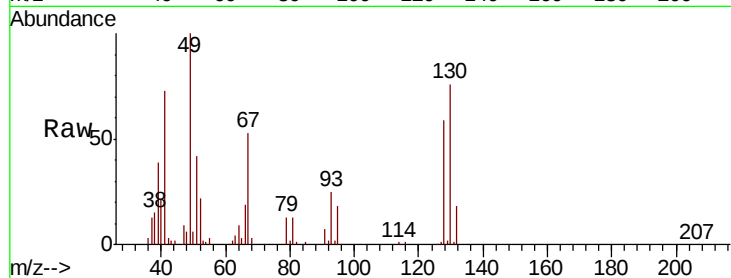
Ion Ratio Lower Upper

41 100

39 52.2 42.1 63.1

67 78.4 61.0 91.4

52 27.5 23.3 34.9

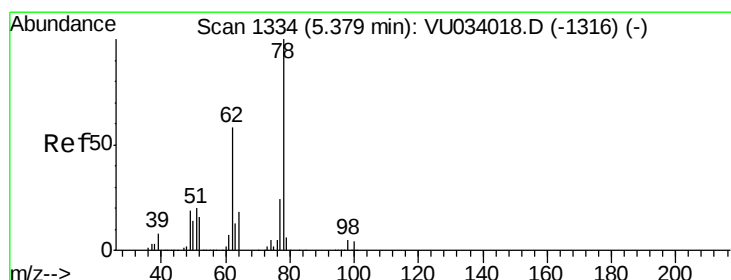
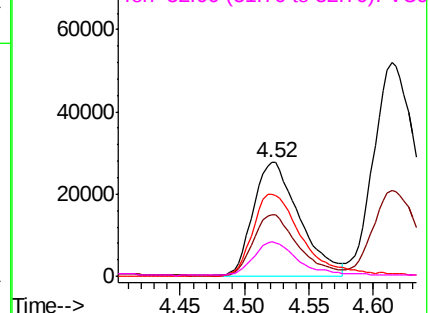
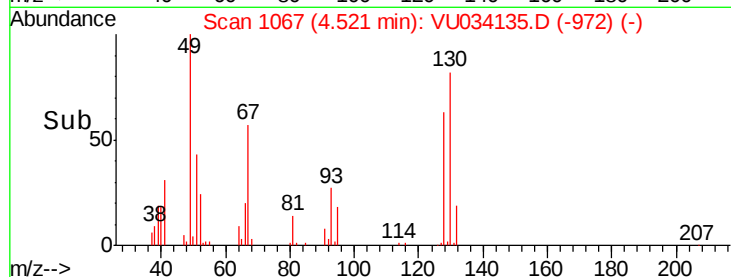


Abundance Ion 41.00 (40.70 to 41.70): VU034018.D (-1051) (-)

Ion 39.00 (38.70 to 39.70): VU034018.D (-1051) (-)

Ion 67.00 (66.70 to 67.70): VU034018.D (-1051) (-)

Ion 52.00 (51.70 to 52.70): VU034018.D (-1051) (-)



#42

1,2-Dichloroethane

Concen: 19.051 ug/l

RT: 5.38 min Scan# 1335

Delta R.T. 0.00 min

Lab File: VU034135.D

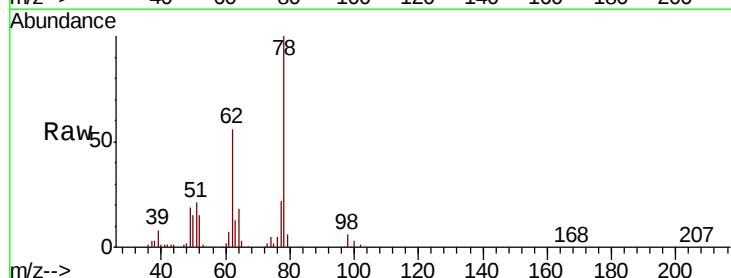
Acq: 31 Aug 2019 21:07

Tgt Ion: 62 Resp: 128833

Ion Ratio Lower Upper

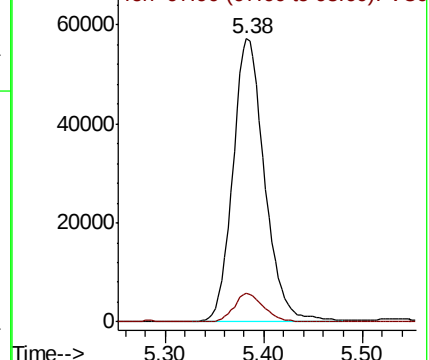
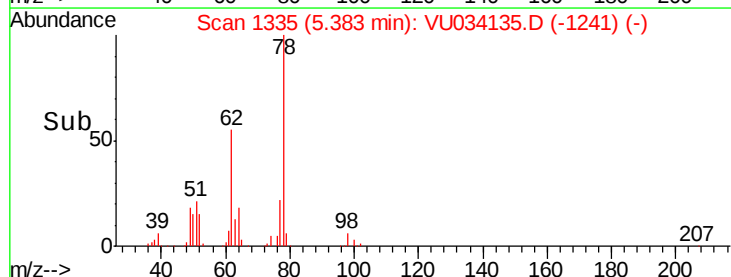
62 100

98 9.4 0.0 18.2



Abundance Ion 61.90 (61.60 to 62.60): VU034018.D (-1316) (-)

Ion 97.90 (97.60 to 98.60): VU034018.D (-1316) (-)





#43

Isopropyl Acetate

Concen: 17.979 ug/l

RT: 5.53 min Scan# 1380

Delta R.T. 0.00 min

Lab File: VU034135.D

Acq: 31 Aug 2019 21:07

Instrument :

MSVOA_U

ClientSampleId :

VU0902WBS01

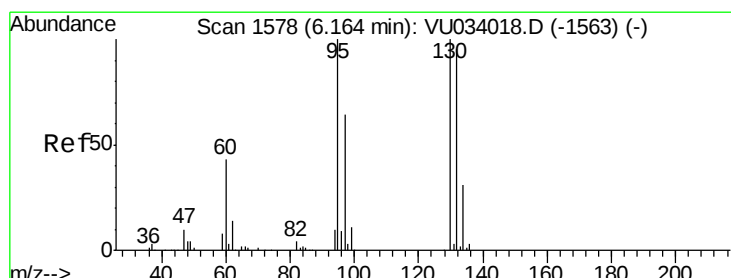
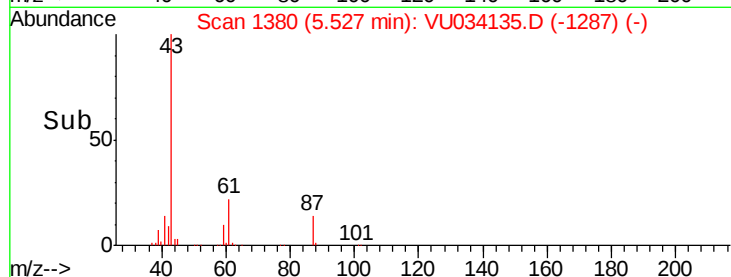
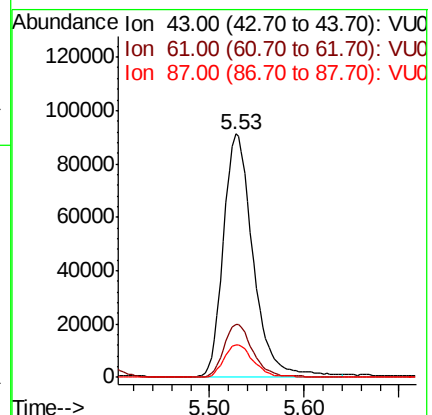
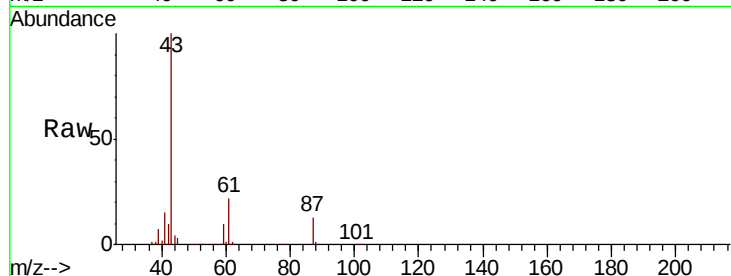
Tgt Ion: 43 Resp: 198261

Ion Ratio Lower Upper

43 100

61 21.4 17.2 25.8

87 13.3 10.8 16.2



#44

Trichloroethene

Concen: 19.127 ug/l

RT: 6.17 min Scan# 1579

Delta R.T. 0.00 min

Lab File: VU034135.D

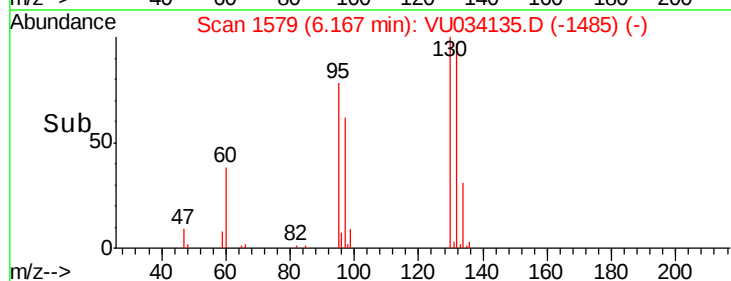
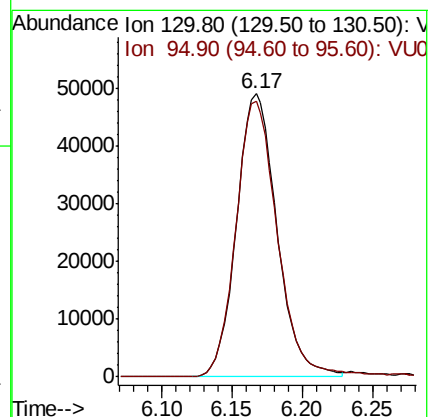
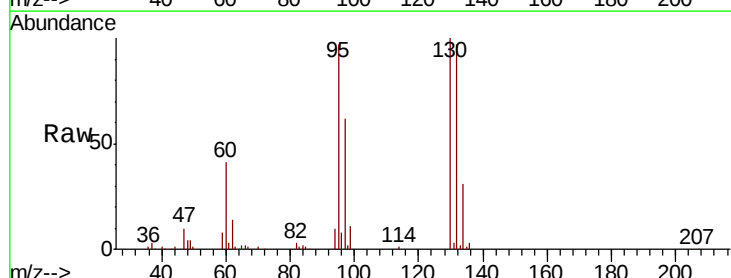
Acq: 31 Aug 2019 21:07

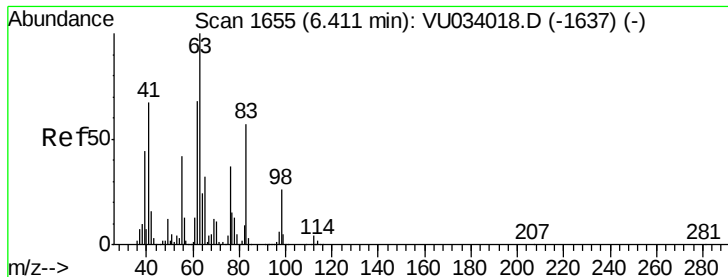
Tgt Ion: 130 Resp: 98363

Ion Ratio Lower Upper

130 100

95 97.5 0.0 199.6





#45

1,2-Dichloropropane

Concen: 19.097 ug/l

RT: 6.41 min Scan# 1655

Delta R.T. 0.00 min

Lab File: VU034135.D

Acq: 31 Aug 2019 21:07

Instrument :

MSVOA_U

ClientSampleId :

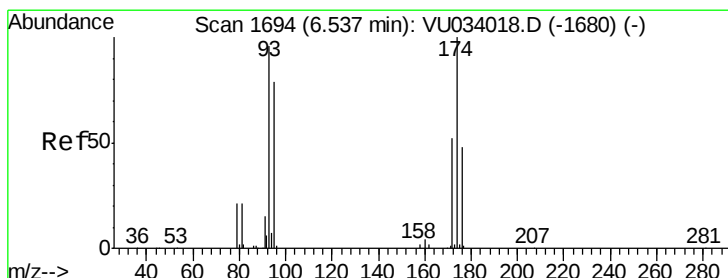
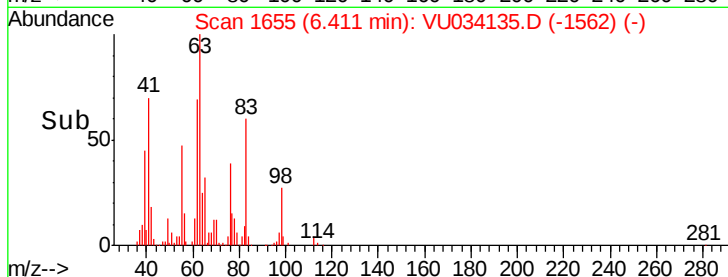
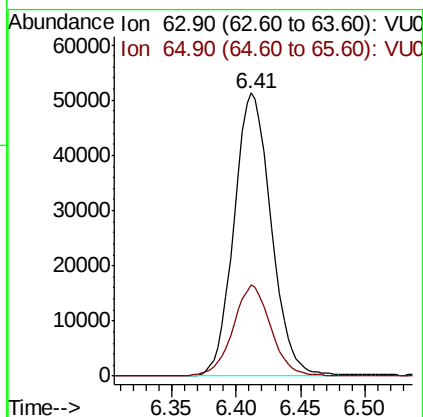
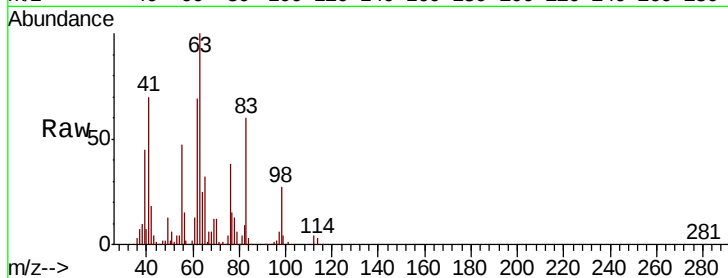
VU0902WBS01

Tgt Ion: 63 Resp: 102949

Ion Ratio Lower Upper

63 100

65 31.9 25.4 38.2



#46

Dibromomethane

Concen: 19.135 ug/l

RT: 6.54 min Scan# 1695

Delta R.T. 0.00 min

Lab File: VU034135.D

Acq: 31 Aug 2019 21:07

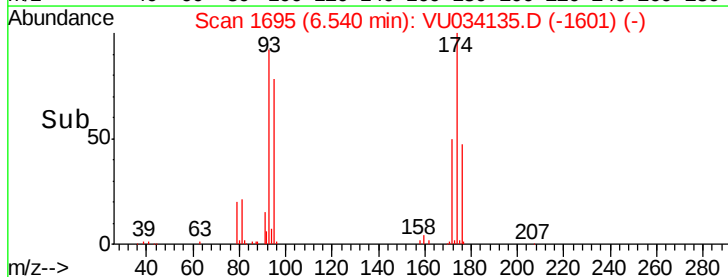
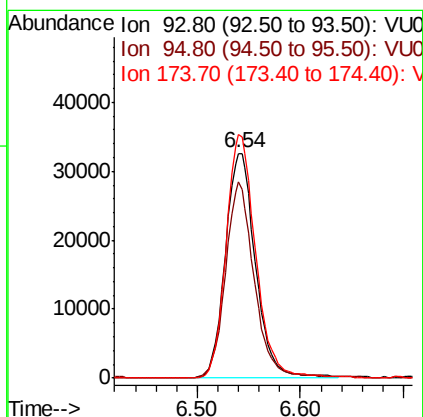
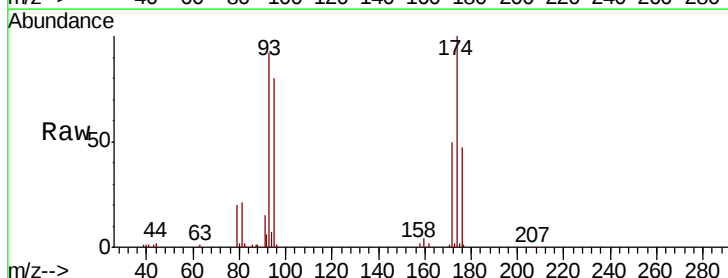
Tgt Ion: 93 Resp: 66461

Ion Ratio Lower Upper

93 100

95 83.1 66.7 100.1

174 106.6 84.9 127.3





#47

Bromodichloromethane

Concen: 18.941 ug/l

RT: 6.74 min Scan# 1756

Delta R.T. 0.00 min

Lab File: VU034135.D

Acq: 31 Aug 2019 21:07

Instrument :

MSVOA_U

ClientSampleId :

VU0902WBS01

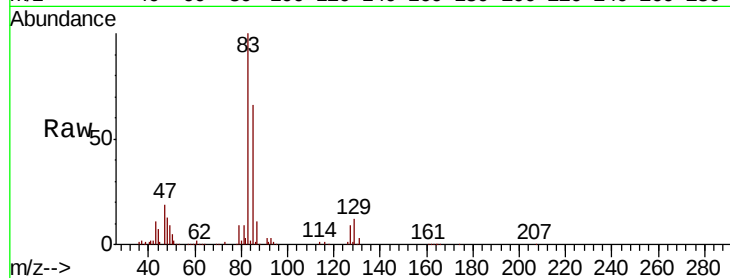
Tgt Ion: 83 Resp: 128706

Ion Ratio Lower Upper

83 100

85 65.8 51.2 76.8

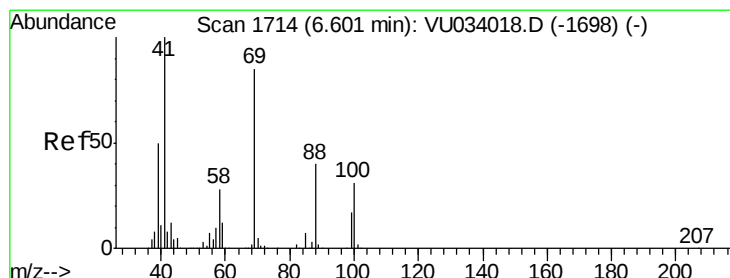
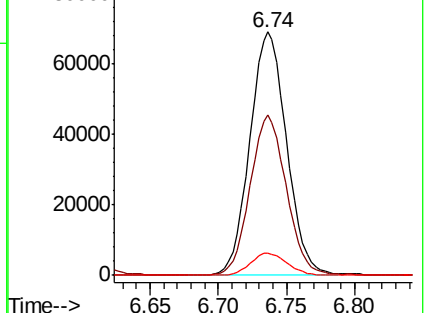
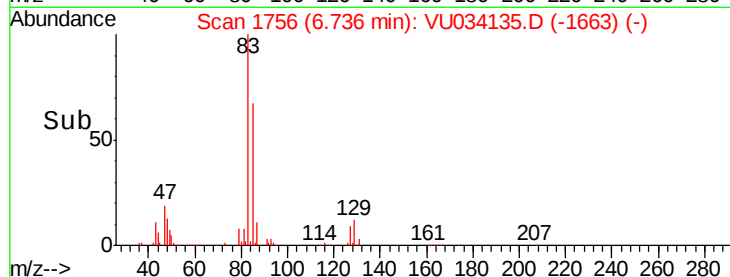
127 9.0 7.0 10.6



Abundance Ion 82.90 (82.60 to 83.60): VU034135.D (-1663) (-)

Ion 84.90 (84.60 to 85.60): VU034135.D (-1663) (-)

Ion 126.80 (126.50 to 127.50): VU034135.D (-1663) (-)



#48

Methyl methacrylate

Concen: 17.388 ug/l

RT: 6.60 min Scan# 1715

Delta R.T. 0.00 min

Lab File: VU034135.D

Acq: 31 Aug 2019 21:07

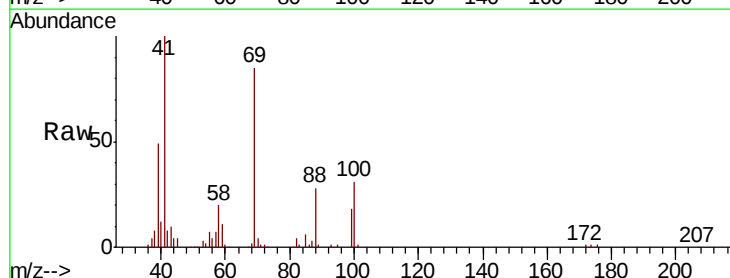
Tgt Ion: 41 Resp: 92526

Ion Ratio Lower Upper

41 100

69 88.2 69.5 104.3

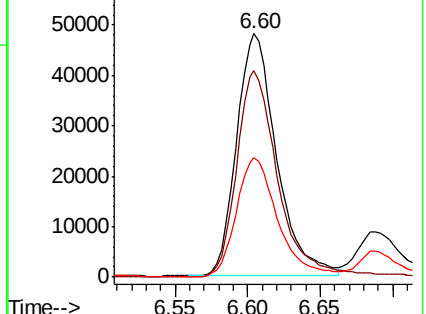
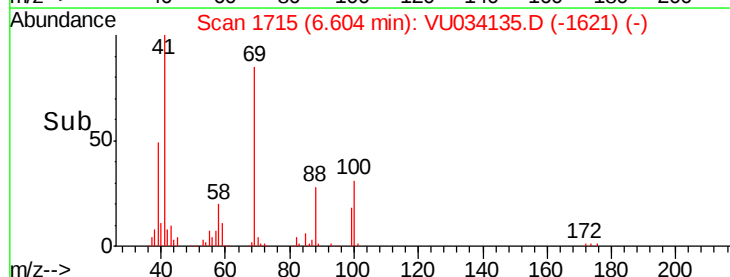
39 50.1 40.3 60.5

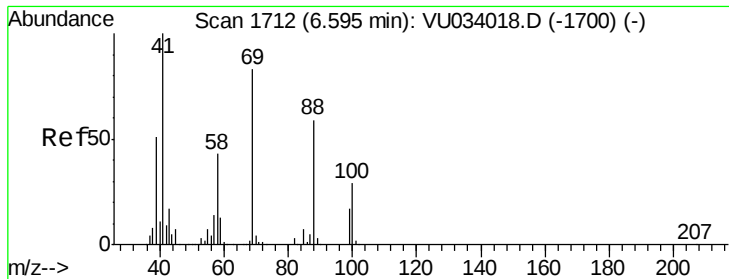


Abundance Ion 41.00 (40.70 to 41.70): VU034135.D (-1621) (-)

Ion 69.00 (68.70 to 69.70): VU034135.D (-1621) (-)

Ion 39.00 (38.70 to 39.70): VU034135.D (-1621) (-)

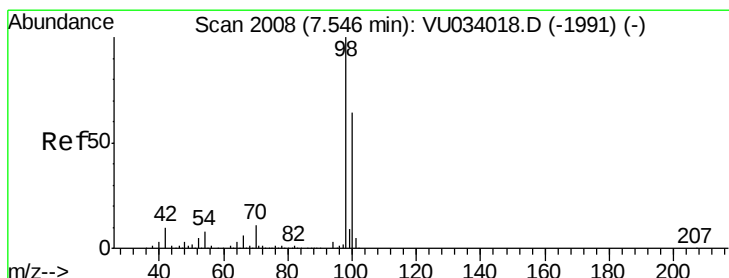
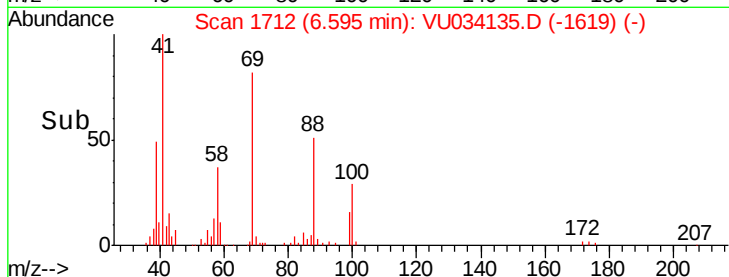
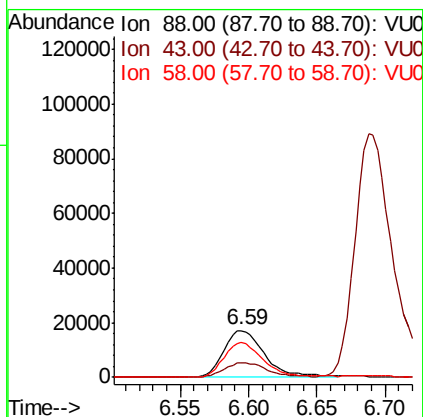
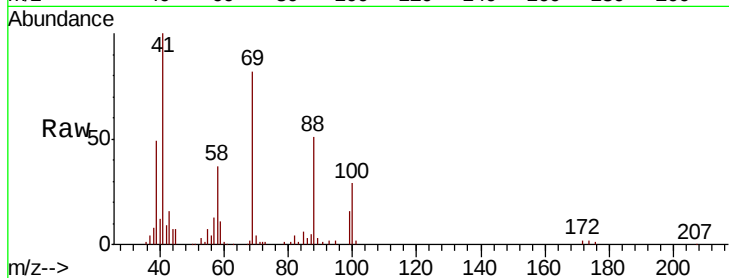




#49
 1,4-Dioxane
 Concen: 263.463 ug/l
 RT: 6.59 min Scan# 1712
 Delta R.T. 0.00 min
 Lab File: VU034135.D
 Acq: 31 Aug 2019 21:07

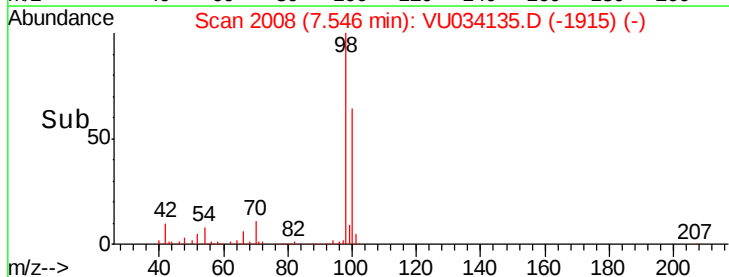
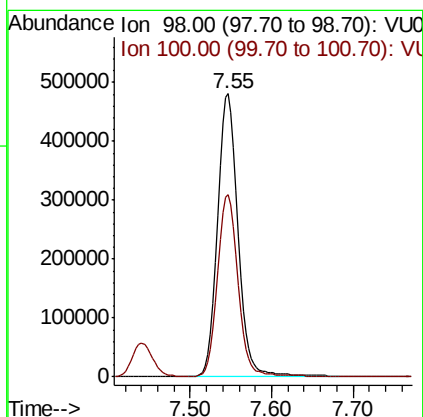
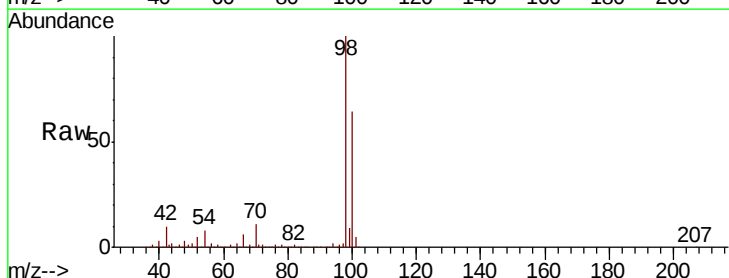
Instrument :
 MSVOA_U
 ClientSampleId :
 VU0902WBS01

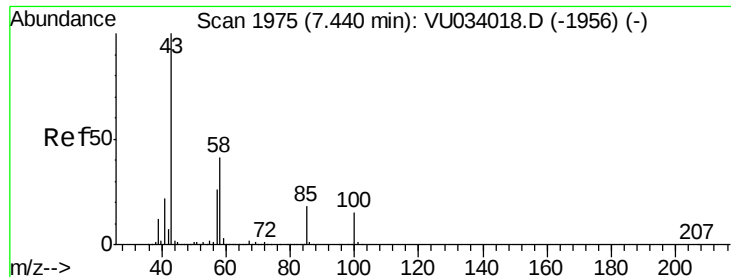
Tgt Ion: 88 Resp: 35127
 Ion Ratio Lower Upper
 88 100
 43 31.5 24.8 37.2
 58 74.2 59.3 88.9



#50
 Toluene-d8
 Concen: 48.526 ug/l
 RT: 7.55 min Scan# 2008
 Delta R.T. 0.00 min
 Lab File: VU034135.D
 Acq: 31 Aug 2019 21:07

Tgt Ion: 98 Resp: 862418
 Ion Ratio Lower Upper
 98 100
 100 64.1 50.3 75.5

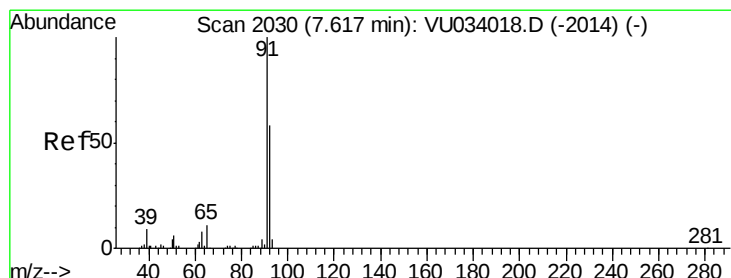
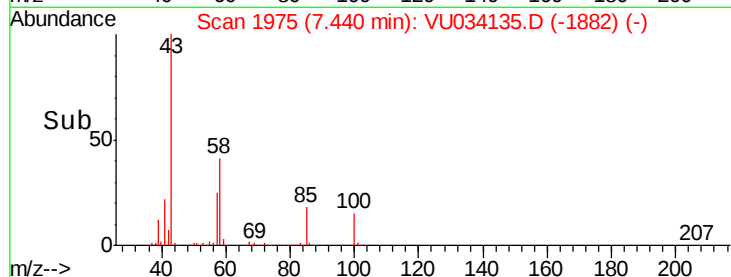
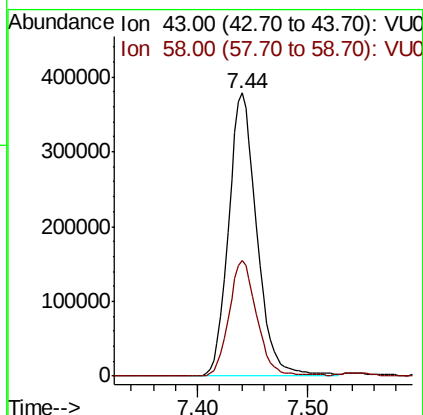
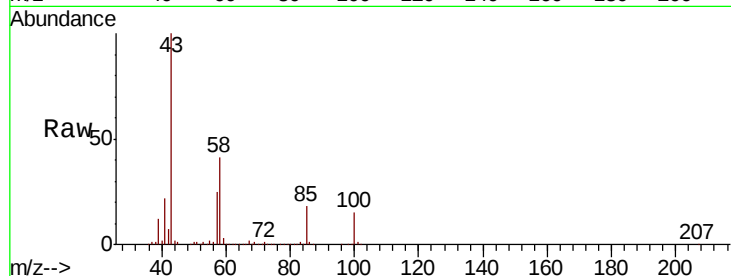




#51
 4-Methyl-2-Pentanone
 Concen: 88.027 ug/l
 RT: 7.44 min Scan# 1975
 Delta R.T. 0.00 min
 Lab File: VU034135.D
 Acq: 31 Aug 2019 21:07

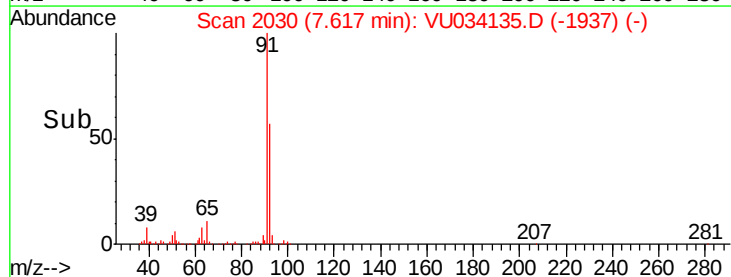
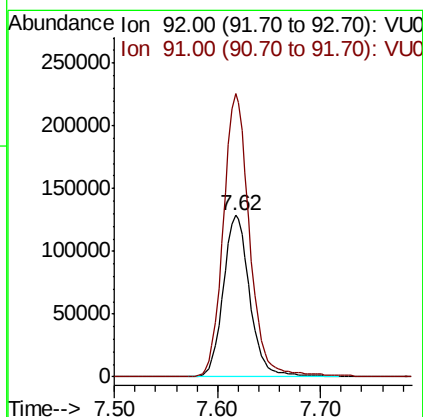
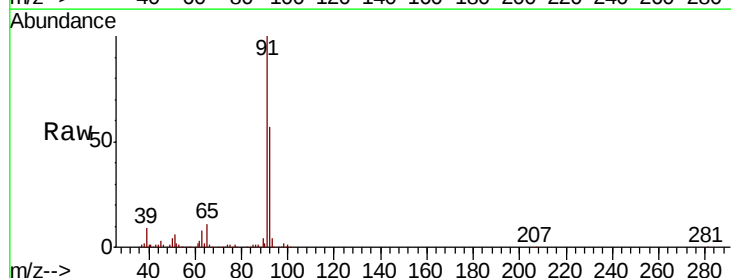
Instrument :
 MSVOA_U
 ClientSampleId :
 VU0902WBS01

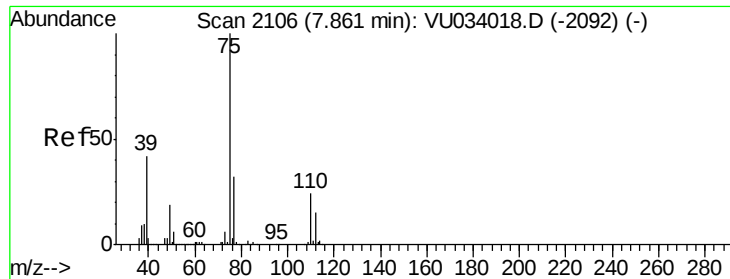
Tgt Ion: 43 Resp: 670381
 Ion Ratio Lower Upper
 43 100
 58 40.5 32.2 48.4



#52
 Toluene
 Concen: 19.139 ug/l
 RT: 7.62 min Scan# 2030
 Delta R.T. 0.00 min
 Lab File: VU034135.D
 Acq: 31 Aug 2019 21:07

Tgt Ion: 92 Resp: 230889
 Ion Ratio Lower Upper
 92 100
 91 173.9 138.3 207.5





#53

t-1,3-Dichloropropene

Concen: 16.868 ug/l

RT: 7.86 min Scan# 2106

Delta R.T. 0.00 min

Lab File: VU034135.D

Acq: 31 Aug 2019 21:07

Instrument :

MSVOA_U

ClientSampleId :

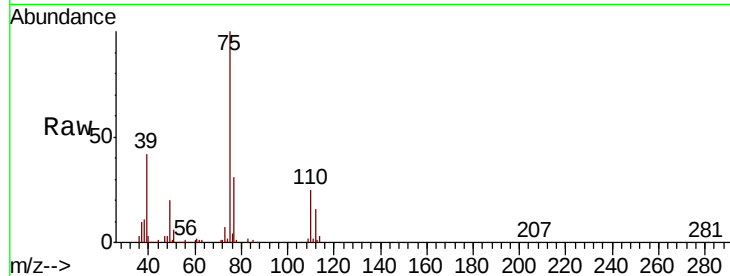
VU0902WBS01

Tgt Ion: 75 Resp: 127182

Ion Ratio Lower Upper

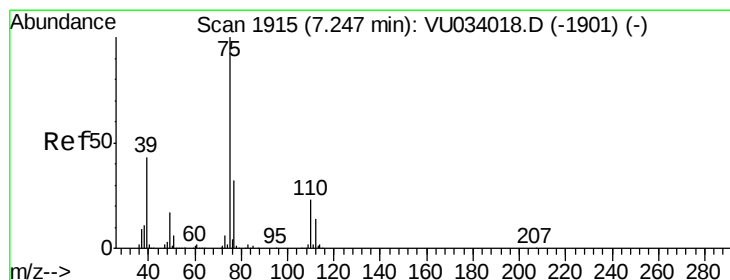
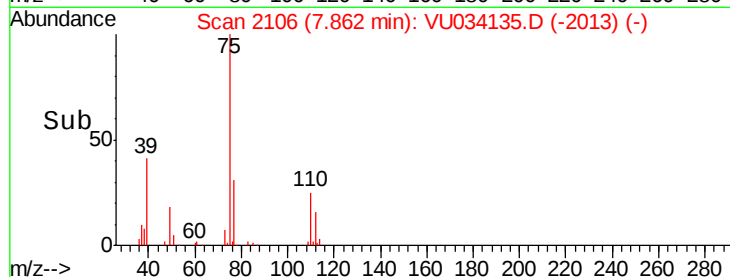
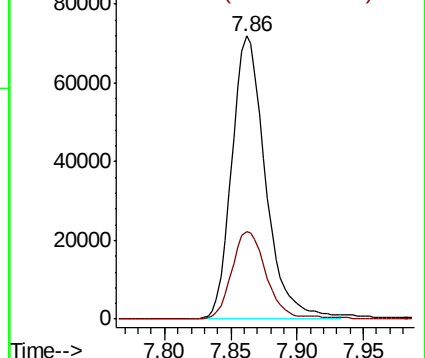
75 100

77 31.2 25.4 38.0



Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 76.90 (76.60 to 77.60): VU0



#54

cis-1,3-Dichloropropene

Concen: 17.836 ug/l

RT: 7.25 min Scan# 1916

Delta R.T. 0.00 min

Lab File: VU034135.D

Acq: 31 Aug 2019 21:07

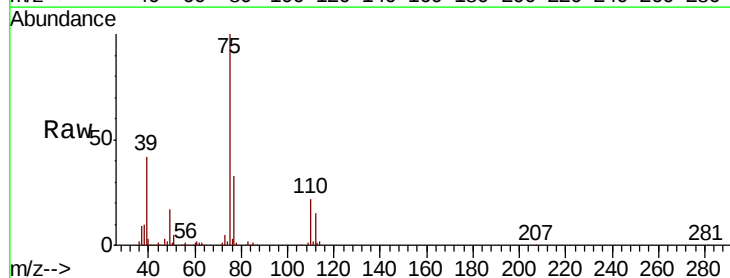
Tgt Ion: 75 Resp: 146925

Ion Ratio Lower Upper

75 100

77 32.8 25.2 37.8

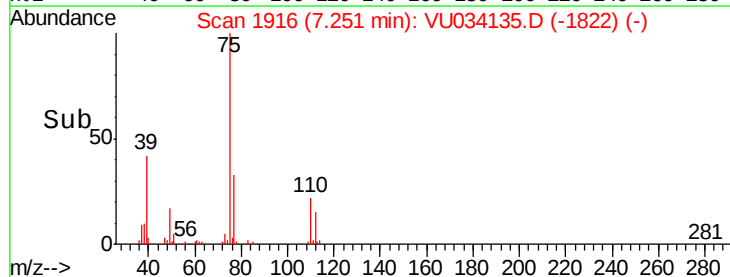
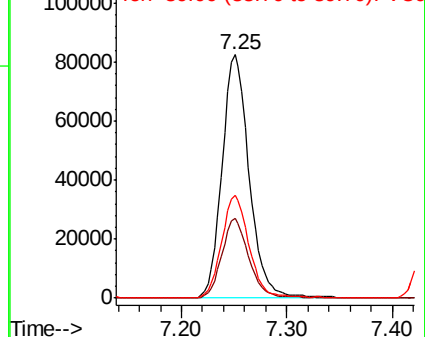
39 41.8 34.6 51.8



Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 76.90 (76.60 to 77.60): VU0

Ion 39.00 (38.70 to 39.70): VU0

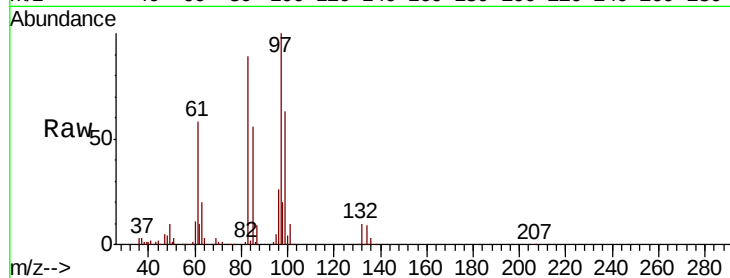




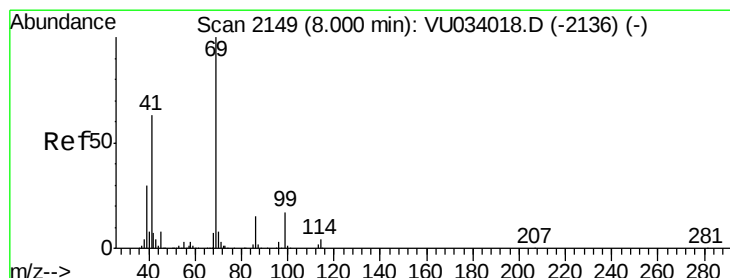
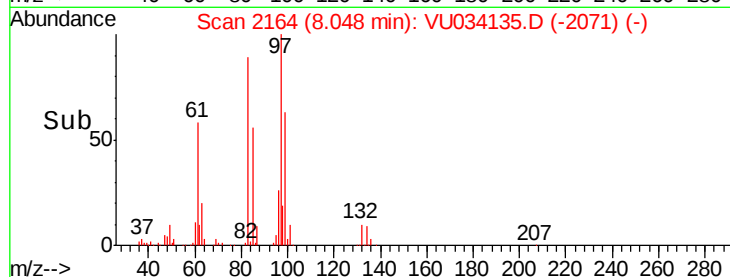
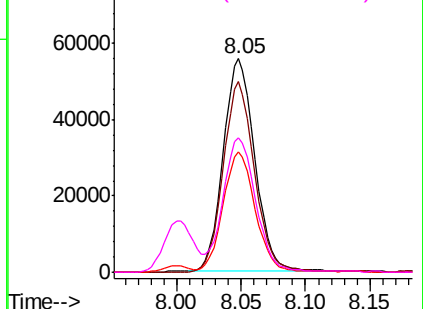
#55
 1,1,2-Trichloroethane
 Concen: 18.501 ug/l
 RT: 8.05 min Scan# 2164
 Delta R.T. 0.00 min
 Lab File: VU034135.D
 Acq: 31 Aug 2019 21:07

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0902WBS01

Tgt Ion:	97	Resp:	94409
Ion	Ratio	Lower	Upper
97	100		
83	89.8	70.1	105.1
85	56.2	45.0	67.4
99	63.0	49.8	74.8

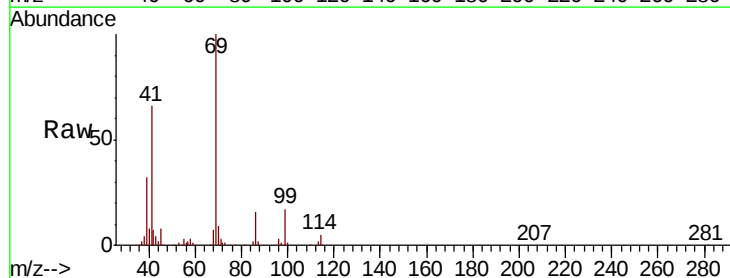


Abundance Ion 96.90 (96.60 to 97.60): VU0
 Ion 82.90 (82.60 to 83.60): VU0
 Ion 84.90 (84.60 to 85.60): VU0
 Ion 98.90 (98.60 to 99.60): VU0

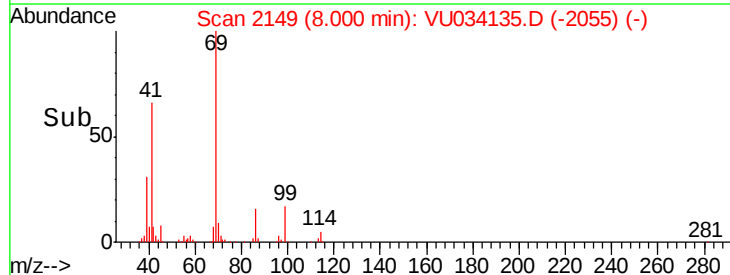
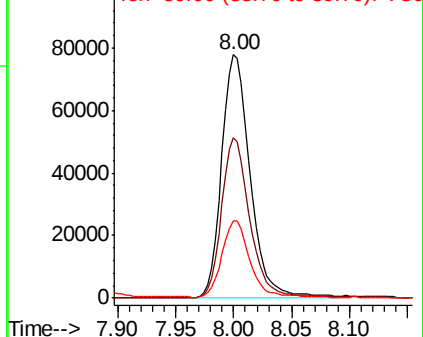


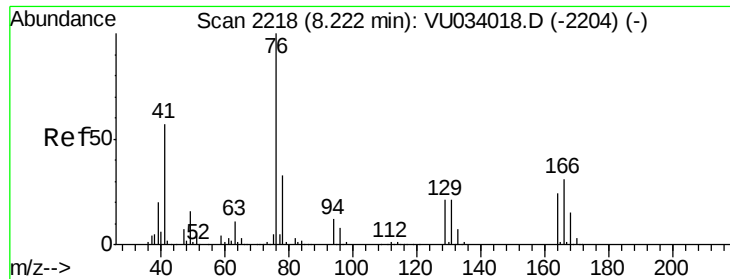
#56
 Ethyl methacrylate
 Concen: 16.359 ug/l
 RT: 8.00 min Scan# 2149
 Delta R.T. 0.00 min
 Lab File: VU034135.D
 Acq: 31 Aug 2019 21:07

Tgt Ion:	69	Resp:	132828
Ion	Ratio	Lower	Upper
69	100		
41	65.2	50.7	76.1
39	30.5	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

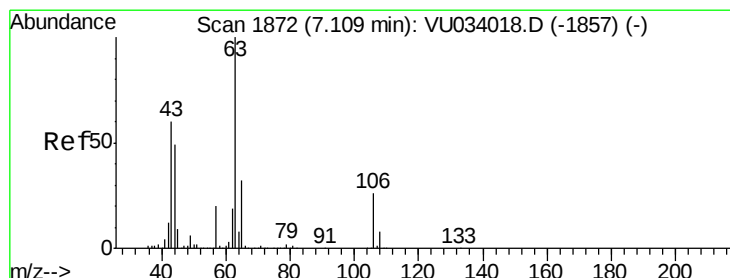
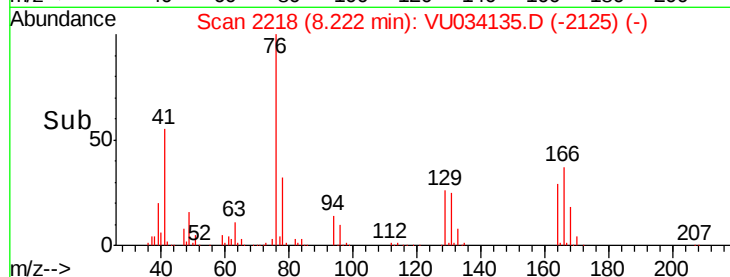
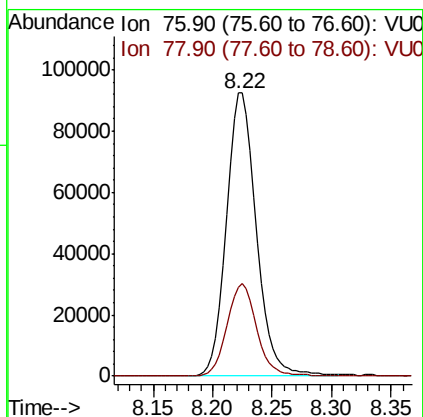
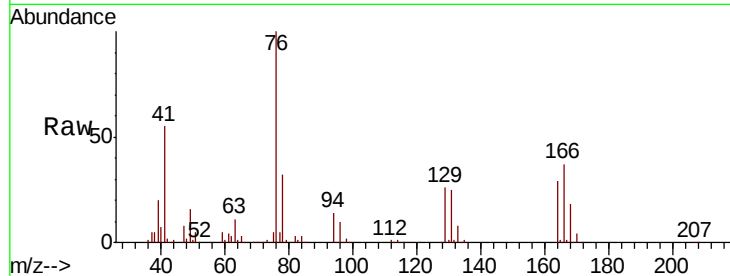




#57
 1,3-Dichloropropane
 Concen: 18.682 ug/l
 RT: 8.22 min Scan# 2218
 Delta R.T. 0.00 min
 Lab File: VU034135.D
 Acq: 31 Aug 2019 21:07

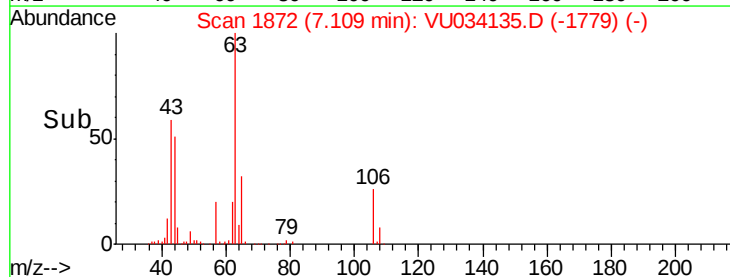
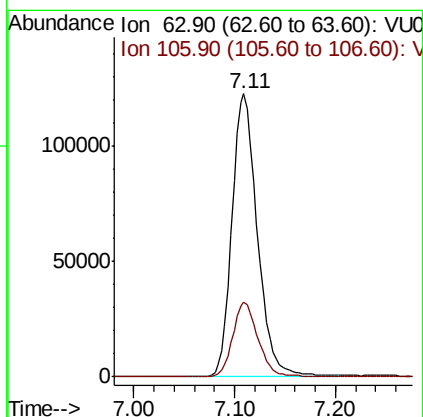
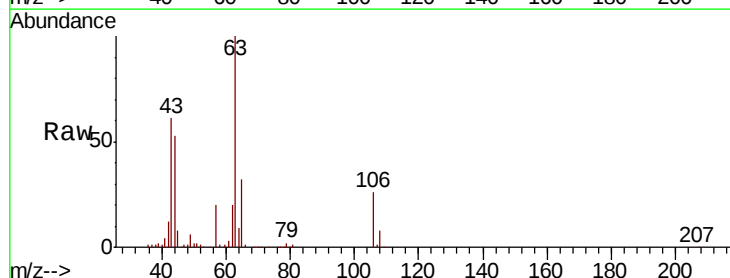
Instrument :
 MSVOA_U
 ClientSampleId :
 VU0902WBS01

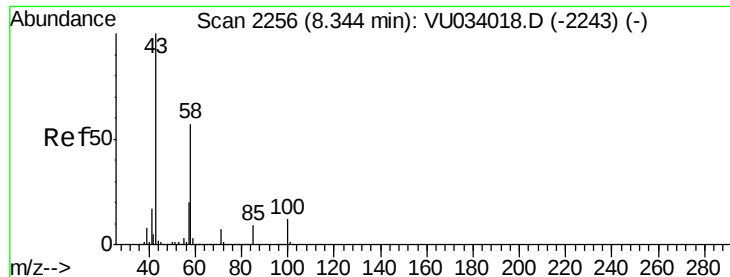
Tgt Ion: 76 Resp: 161871
 Ion Ratio Lower Upper
 76 100
 78 32.2 26.2 39.4



#58
 2-Chloroethyl Vinyl ether
 Concen: 76.389 ug/l
 RT: 7.11 min Scan# 1872
 Delta R.T. 0.00 min
 Lab File: VU034135.D
 Acq: 31 Aug 2019 21:07

Tgt Ion: 63 Resp: 215657
 Ion Ratio Lower Upper
 63 100
 106 26.2 20.7 31.1

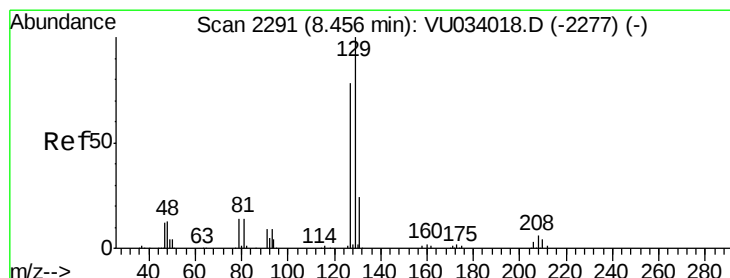
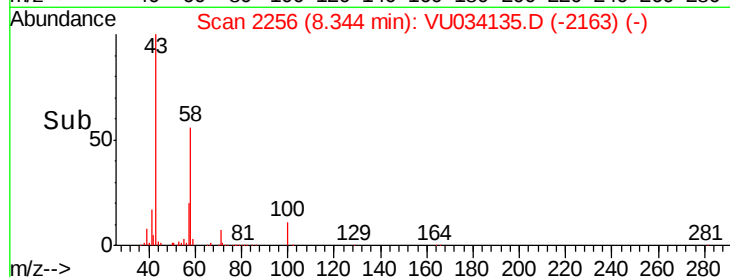
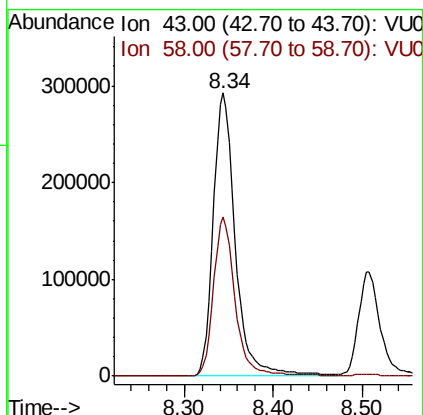
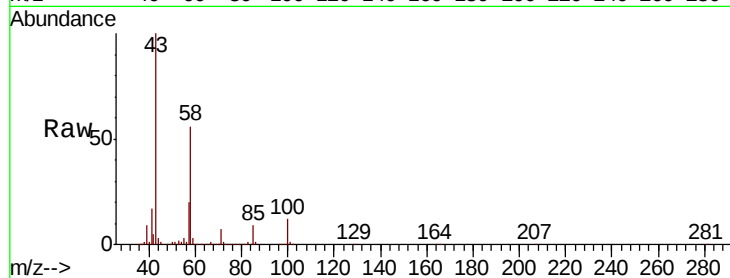




#59
2-Hexanone
Concen: 86.949 ug/l
RT: 8.34 min Scan# 2256
Delta R.T. 0.00 min
Lab File: VU034135.D
Acq: 31 Aug 2019 21:07

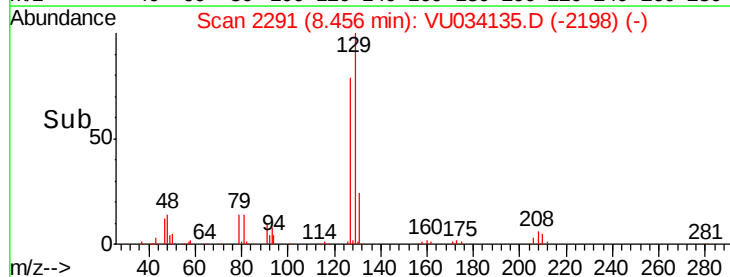
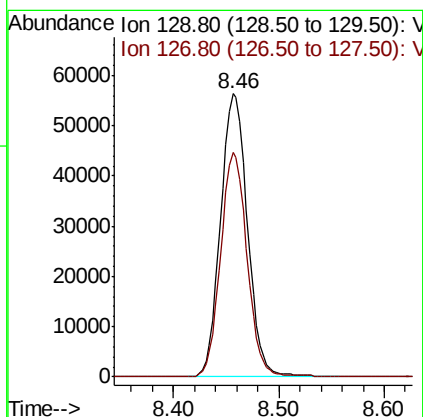
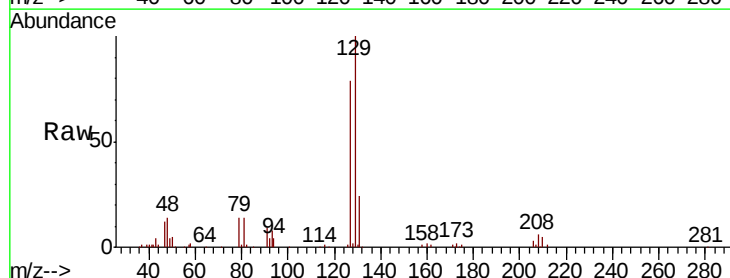
Instrument :
MSVOA_U
ClientSampleId :
VU0902WBS01

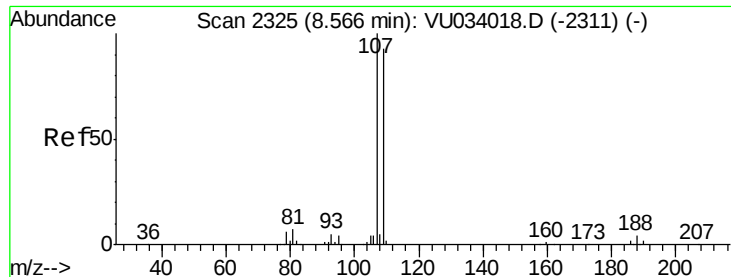
Tgt Ion: 43 Resp: 499880
Ion Ratio Lower Upper
43 100
58 54.9 28.4 85.3



#60
Dibromochloromethane
Concen: 18.226 ug/l
RT: 8.46 min Scan# 2291
Delta R.T. 0.00 min
Lab File: VU034135.D
Acq: 31 Aug 2019 21:07

Tgt Ion: 129 Resp: 99838
Ion Ratio Lower Upper
129 100
127 77.9 39.0 116.9





#61

1,2-Dibromoethane

Concen: 18.101 ug/l

RT: 8.57 min Scan# 2325

Delta R.T. 0.00 min

Lab File: VU034135.D

Acq: 31 Aug 2019 21:07

Instrument :

MSVOA_U

ClientSampleId :

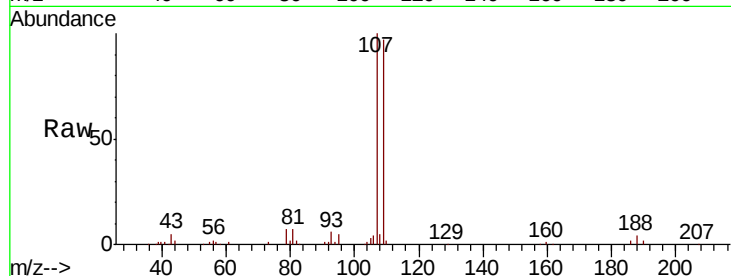
VU0902WBS01

Tgt Ion: 107 Resp: 97302

Ion Ratio Lower Upper

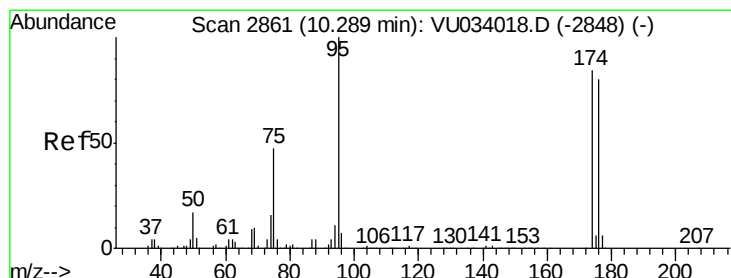
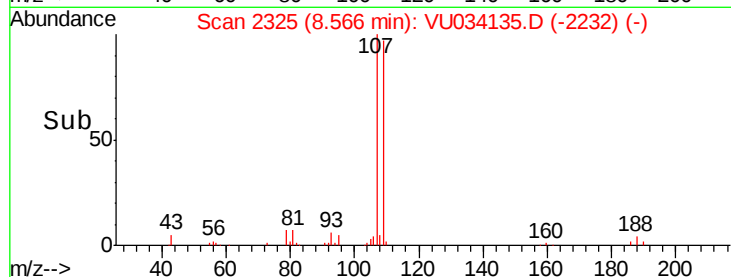
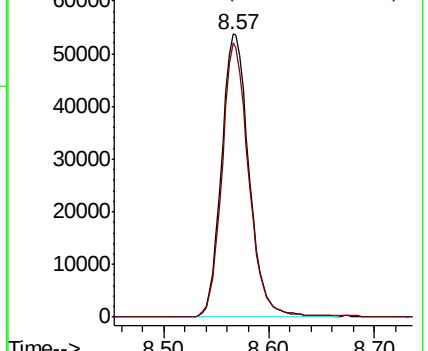
107 100

109 93.7 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: 45.733 ug/l

RT: 10.29 min Scan# 2861

Delta R.T. 0.00 min

Lab File: VU034135.D

Acq: 31 Aug 2019 21:07

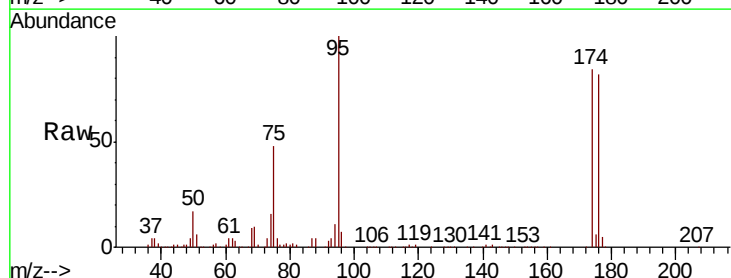
Tgt Ion: 95 Resp: 316162

Ion Ratio Lower Upper

95 100

174 83.9 0.0 168.8

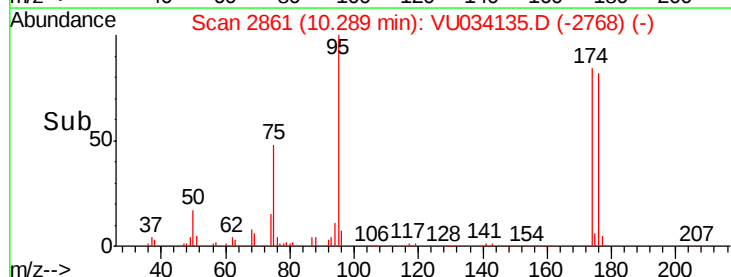
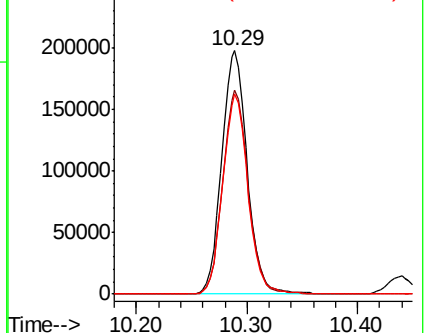
176 81.4 0.0 161.8

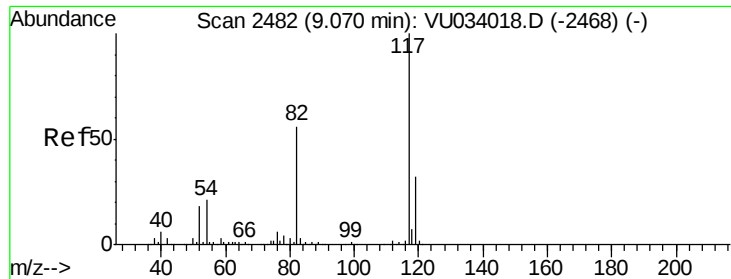


Abundance Ion 94.90 (94.60 to 95.60): VU0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

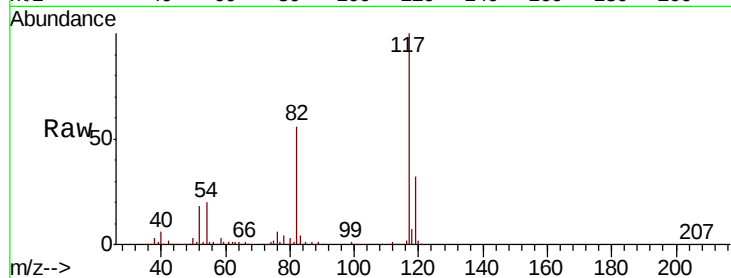




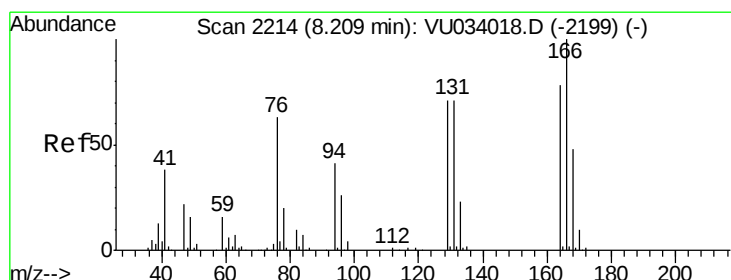
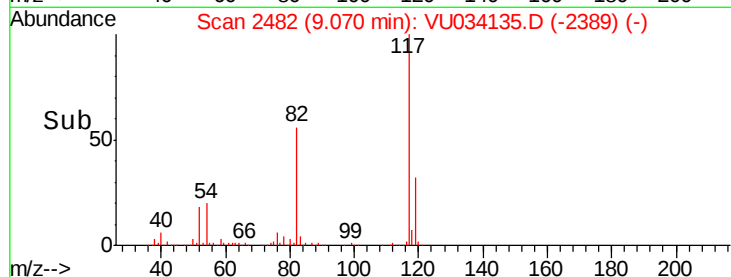
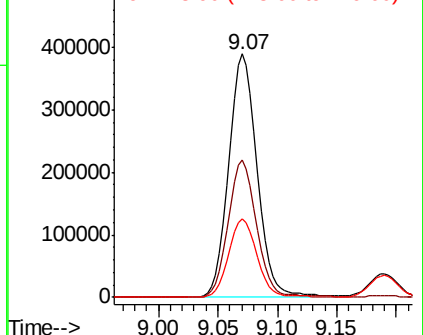
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.07 min Scan# 2482
Delta R.T. 0.00 min
Lab File: VU034135.D
Acq: 31 Aug 2019 21:07

Instrument :
MSVOA_U
ClientSampleId :
VU0902WBS01

Tgt Ion:117 Resp: 646380
Ion Ratio Lower Upper
117 100
82 56.3 45.1 67.7
119 32.3 25.4 38.0

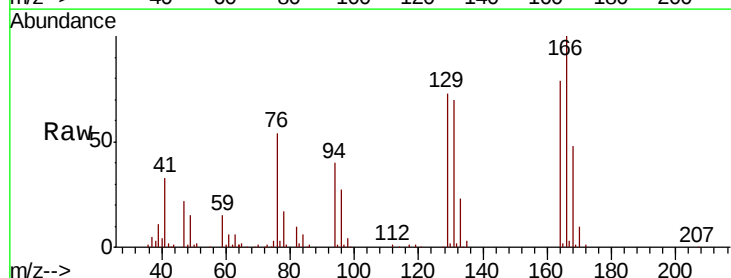


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VU0
Ion 118.90 (118.60 to 119.60): V

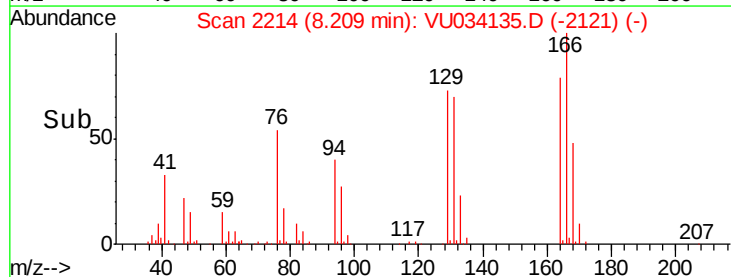
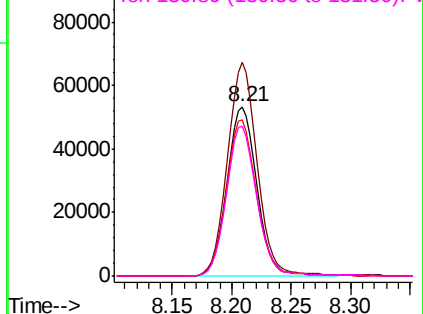


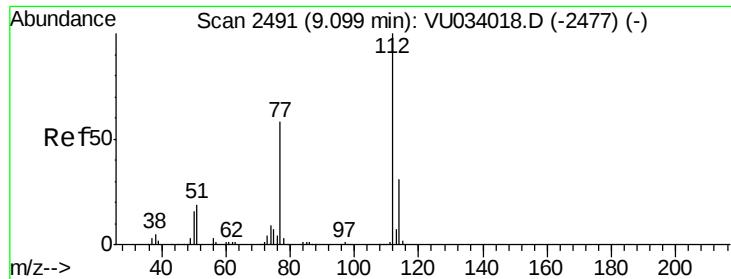
#64
Tetrachloroethene
Concen: 21.466 ug/l
RT: 8.21 min Scan# 2214
Delta R.T. 0.00 min
Lab File: VU034135.D
Acq: 31 Aug 2019 21:07

Tgt Ion:164 Resp: 93179
Ion Ratio Lower Upper
164 100
166 126.1 102.2 153.2
129 92.2 72.4 108.6
131 88.8 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

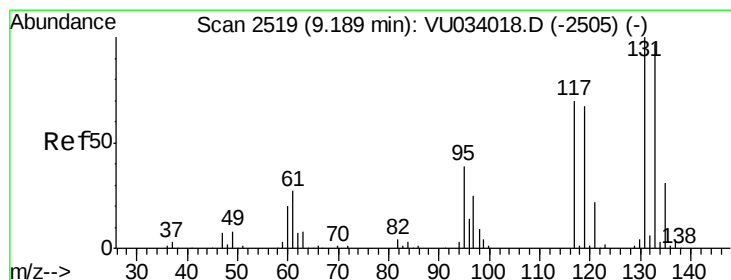
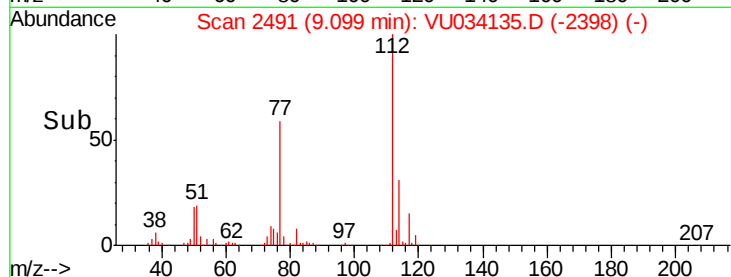
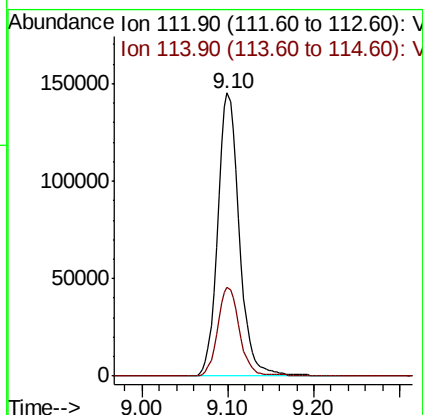
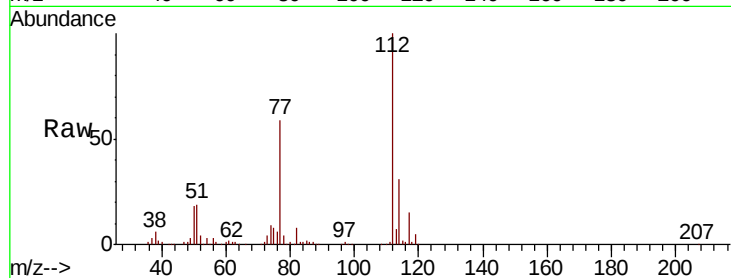




#65
Chlorobenzene
Concen: 19.097 ug/l
RT: 9.10 min Scan# 2491
Delta R.T. 0.00 min
Lab File: VU034135.D
Acq: 31 Aug 2019 21:07

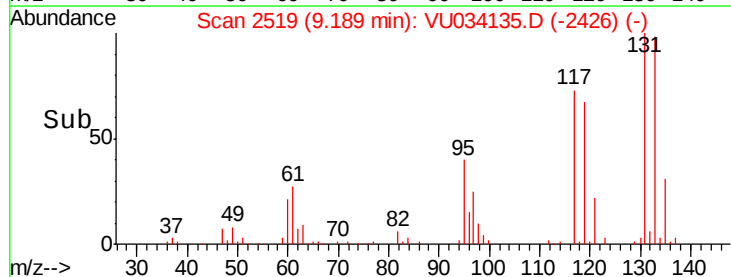
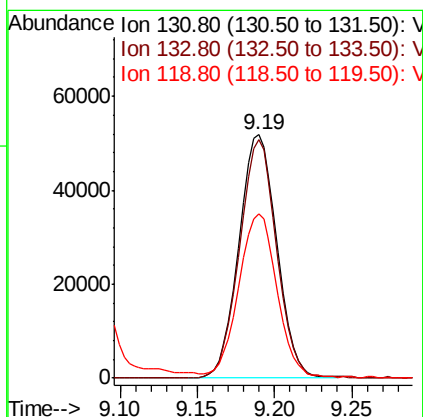
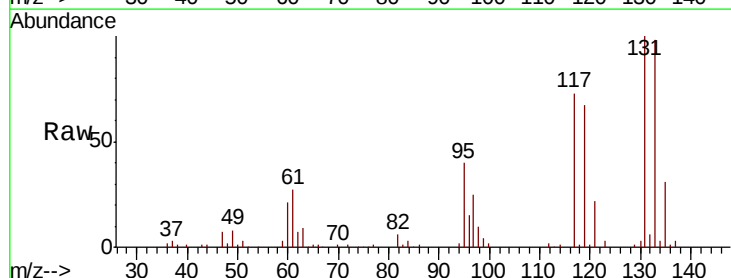
Instrument :
MSVOA_U
ClientSampleId :
VU0902WBS01

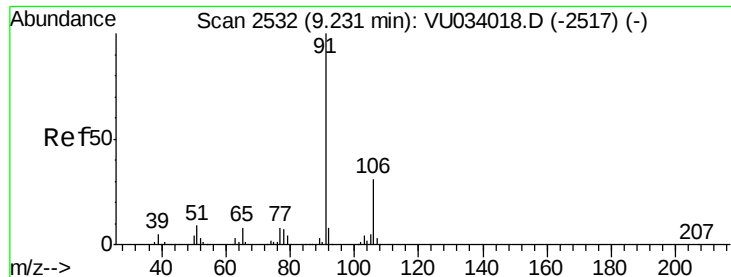
Tgt Ion:112 Resp: 254019
Ion Ratio Lower Upper
112 100
114 31.4 25.0 37.4



#66
1,1,1,2-Tetrachloroethane
Concen: 18.359 ug/l
RT: 9.19 min Scan# 2519
Delta R.T. 0.00 min
Lab File: VU034135.D
Acq: 31 Aug 2019 21:07

Tgt Ion:131 Resp: 88550
Ion Ratio Lower Upper
131 100
133 95.6 48.4 145.2
119 67.4 33.6 100.6

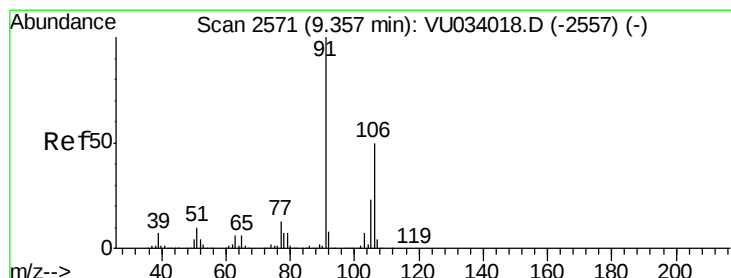
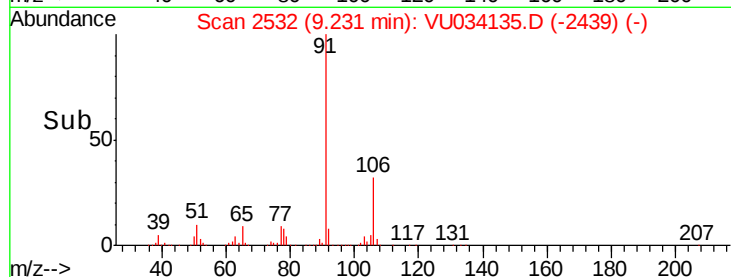
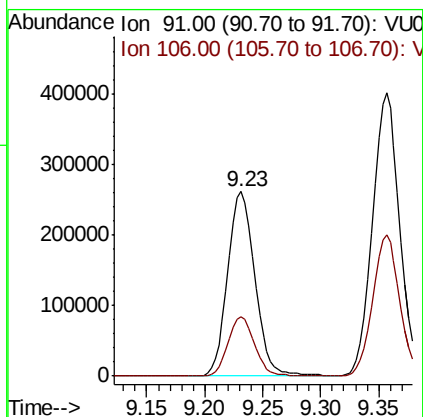
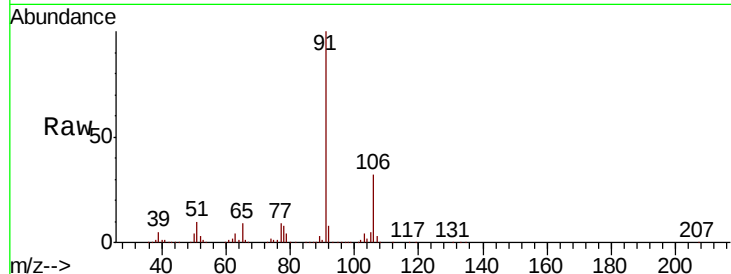




#67
Ethyl Benzene
Concen: 18.869 ug/l
RT: 9.23 min Scan# 2532
Delta R.T. 0.00 min
Lab File: VU034135.D
Acq: 31 Aug 2019 21:07

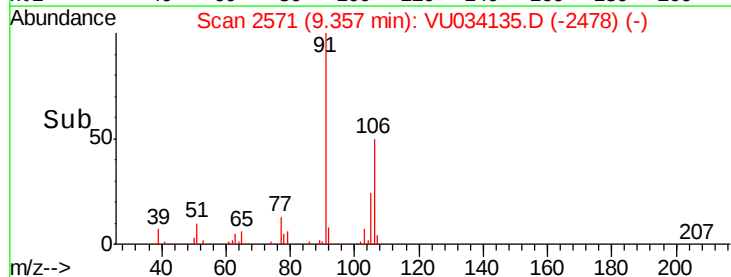
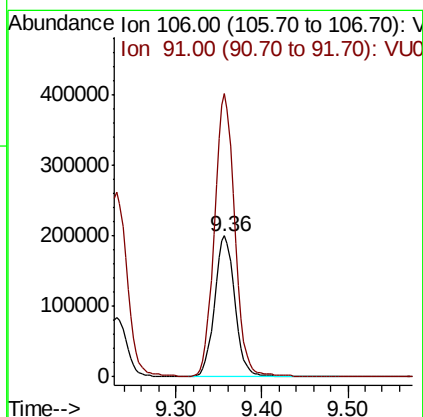
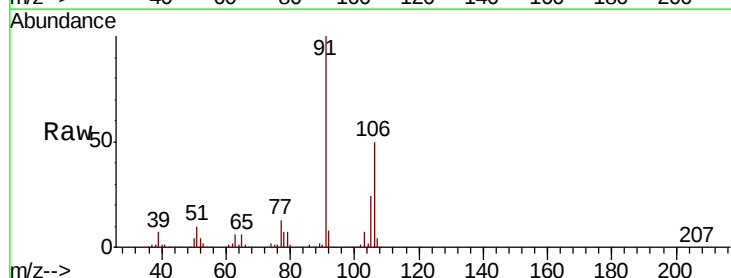
Instrument :
MSVOA_U
ClientSampleId :
VU0902WBS01

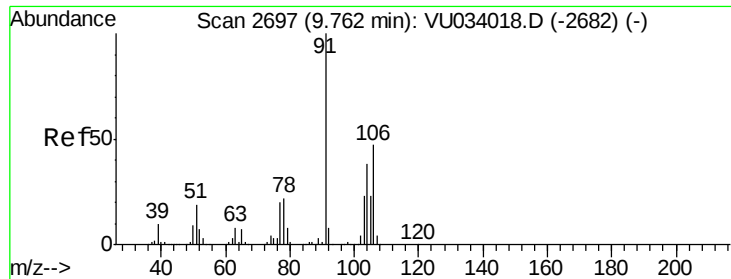
Tgt Ion: 91 Resp: 425467
Ion Ratio Lower Upper
91 100
106 32.3 24.9 37.3



#68
m/p-Xylenes
Concen: 38.498 ug/l
RT: 9.36 min Scan# 2571
Delta R.T. 0.00 min
Lab File: VU034135.D
Acq: 31 Aug 2019 21:07

Tgt Ion: 106 Resp: 330075
Ion Ratio Lower Upper
106 100
91 201.0 161.6 242.4

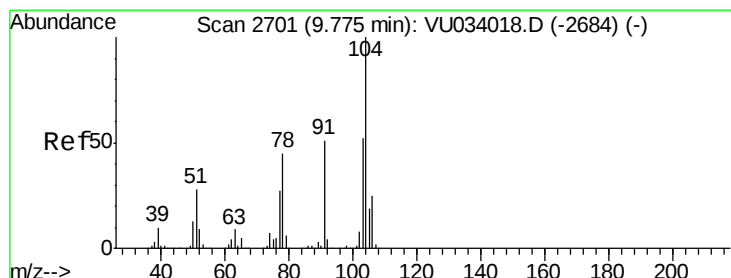
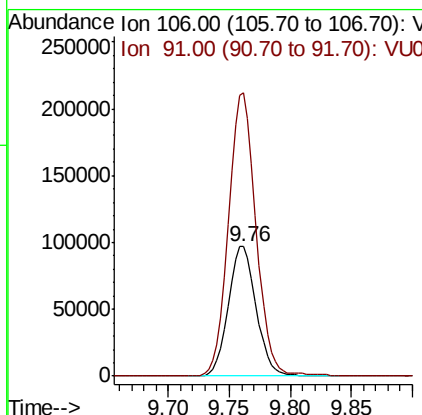
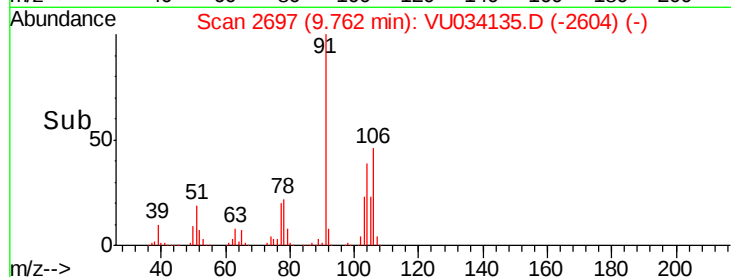
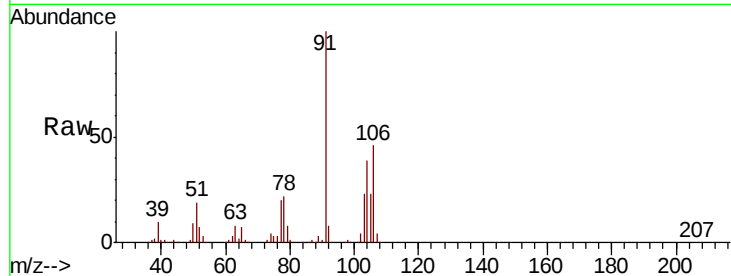




#69
o-Xylene
Concen: 18.888 ug/l
RT: 9.76 min Scan# 2697
Delta R.T. 0.00 min
Lab File: VU034135.D
Acq: 31 Aug 2019 21:07

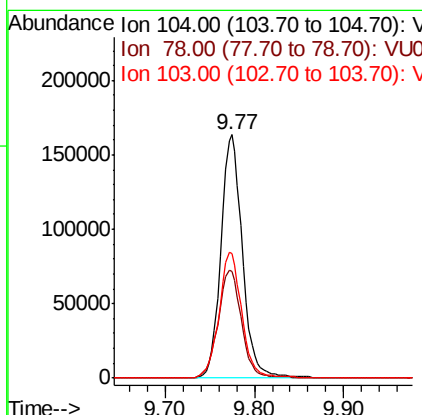
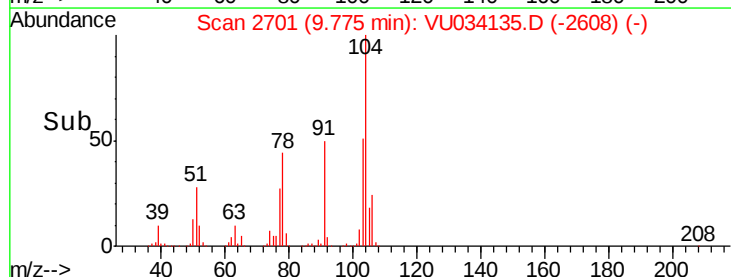
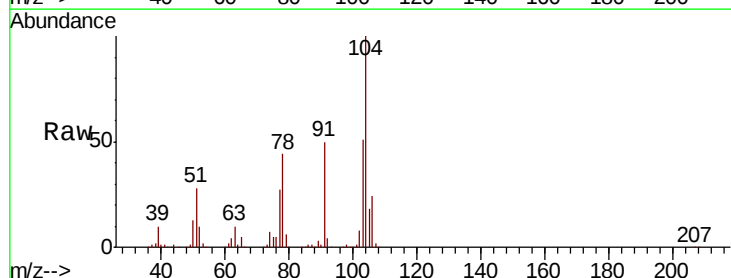
Instrument :
MSVOA_U
ClientSampleId :
VU0902WBS01

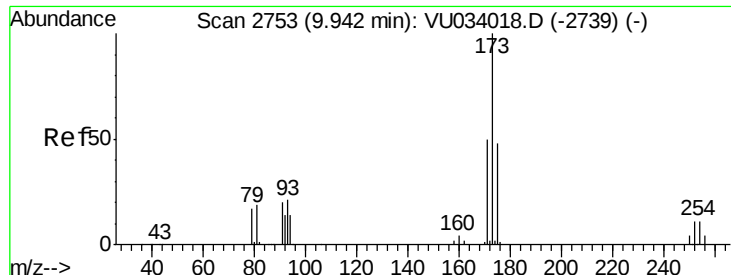
Tgt Ion:106 Resp: 155367
Ion Ratio Lower Upper
106 100
91 216.0 106.0 318.0



#70
Styrene
Concen: 19.395 ug/l
RT: 9.77 min Scan# 2701
Delta R.T. 0.00 min
Lab File: VU034135.D
Acq: 31 Aug 2019 21:07

Tgt Ion:104 Resp: 273541
Ion Ratio Lower Upper
104 100
78 48.3 39.0 58.4
103 54.9 44.0 66.0

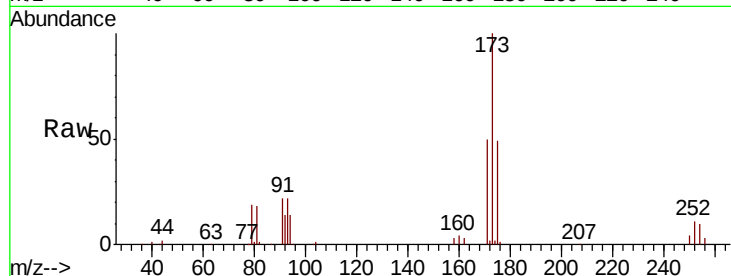




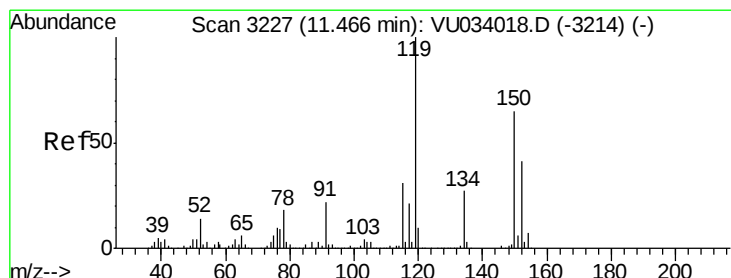
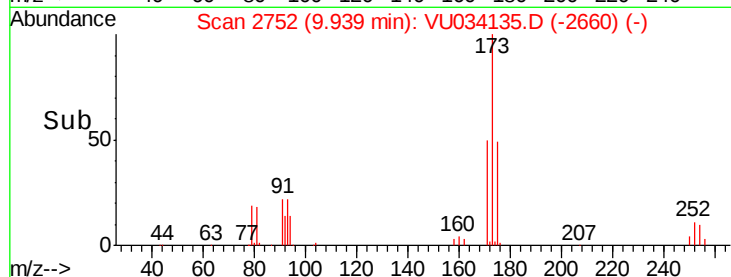
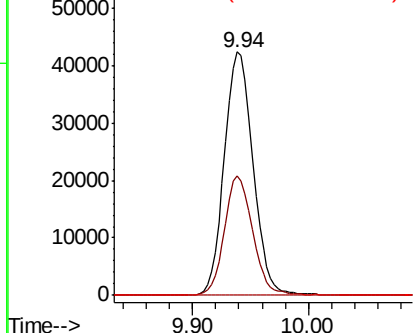
#71
Bromoform
Concen: 17.351 ug/l
RT: 9.94 min Scan# 2752
Delta R.T. -0.00 min
Lab File: VU034135.D
Acq: 31 Aug 2019 21:07

Instrument :
MSVOA_U
ClientSampleId :
VU0902WBS01

Tgt Ion:173 Resp: 72713
Ion Ratio Lower Upper
173 100
175 48.0 24.6 73.6
254 0.0 0.0 0.0

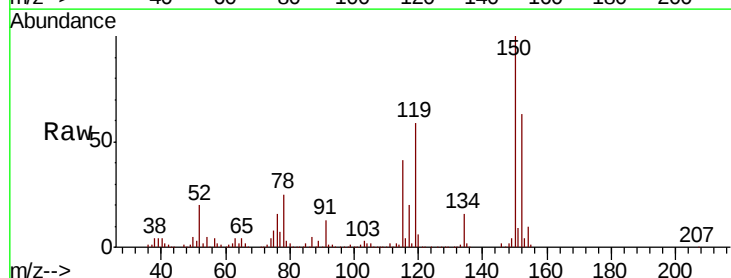


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

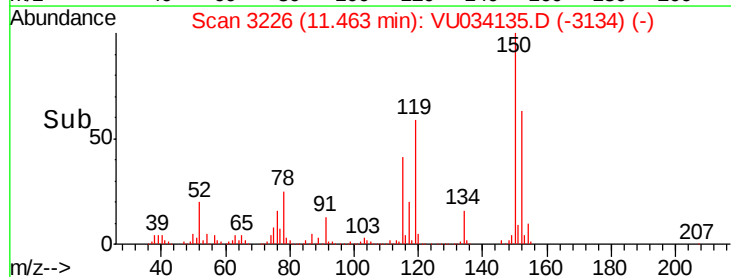
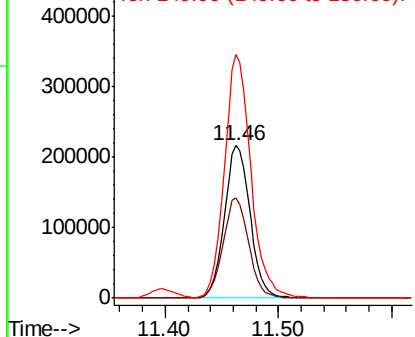


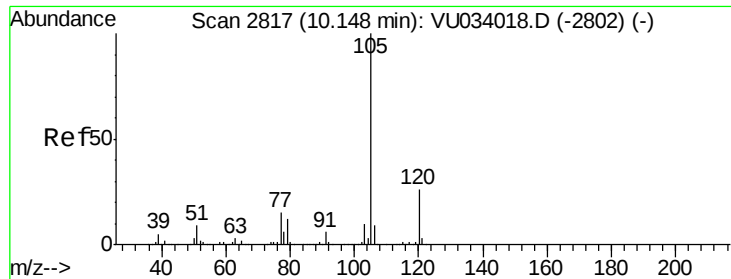
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.46 min Scan# 3226
Delta R.T. -0.00 min
Lab File: VU034135.D
Acq: 31 Aug 2019 21:07

Tgt Ion:152 Resp: 341238
Ion Ratio Lower Upper
152 100
115 65.7 41.1 123.3
150 164.0 0.0 348.8



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 18.592 ug/l

RT: 10.15 min Scan# 2817

Delta R.T. 0.00 min

Lab File: VU034135.D

Acq: 31 Aug 2019 21:07

Instrument :

MSVOA_U

ClientSampleId :

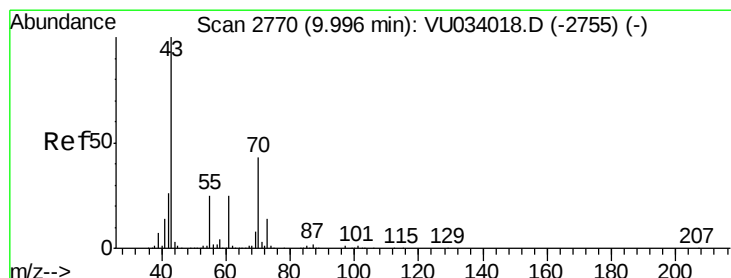
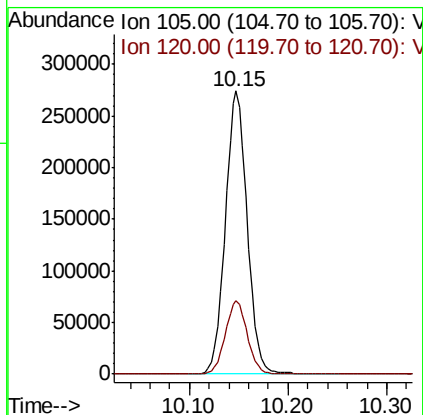
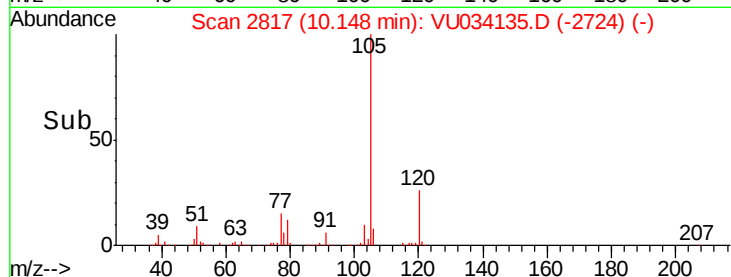
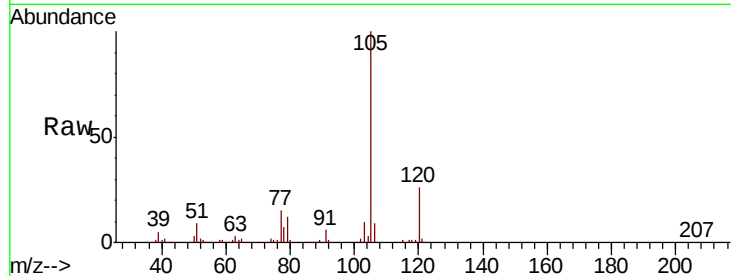
VU0902WBS01

Tgt Ion: 105 Resp: 426146

Ion Ratio Lower Upper

105 100

120 26.1 13.3 39.8



#74

N-ethyl acetate

Concen: 17.055 ug/l

RT: 10.00 min Scan# 2770

Delta R.T. 0.00 min

Lab File: VU034135.D

Acq: 31 Aug 2019 21:07

Tgt Ion: 43 Resp: 164419

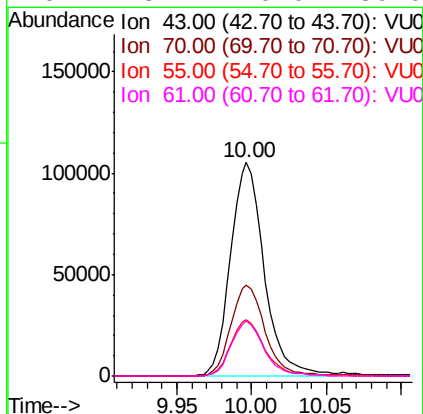
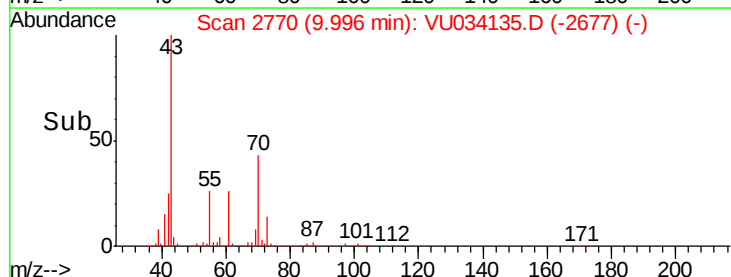
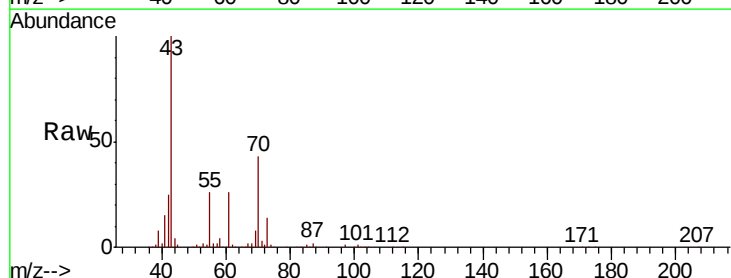
Ion Ratio Lower Upper

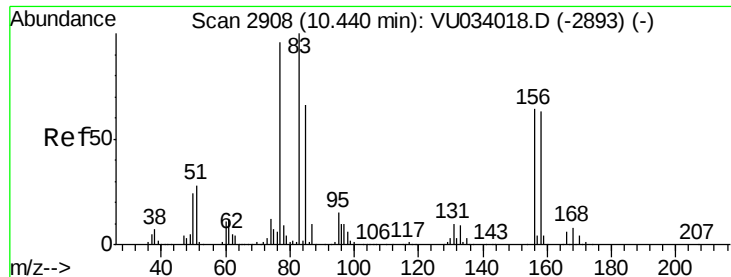
43 100

70 43.4 35.2 52.8

55 26.8 20.5 30.7

61 25.1 20.0 30.0





#75

1,1,2,2-Tetrachloroethane

Concen: 17.846 ug/l

RT: 10.44 min Scan# 2907

Delta R.T. -0.00 min

Lab File: VU034135.D

Acq: 31 Aug 2019 21:07

Instrument :

MSVOA_U

ClientSampleId :

VU0902WBS01

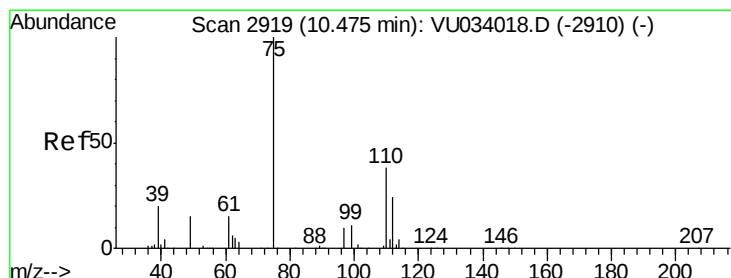
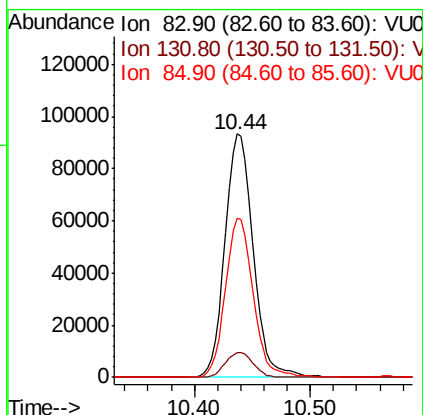
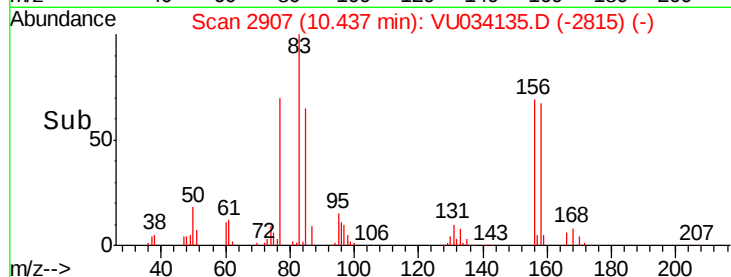
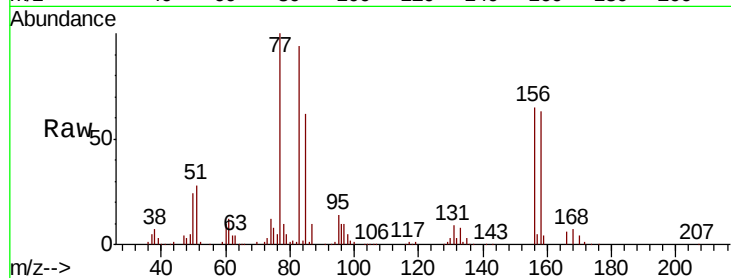
Tgt Ion: 83 Resp: 156563

Ion Ratio Lower Upper

83 100

131 10.0 5.0 14.9

85 64.3 32.2 96.6



#76

1,2,3-Trichloropropane

Concen: 21.858 ug/l

RT: 10.48 min Scan# 2919

Delta R.T. 0.00 min

Lab File: VU034135.D

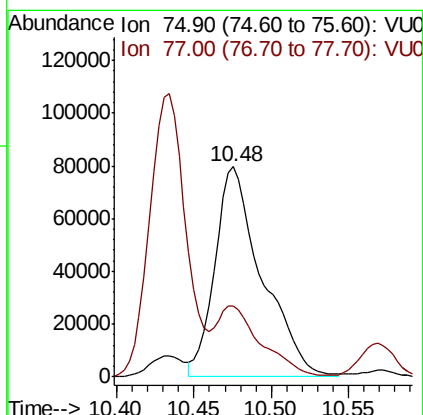
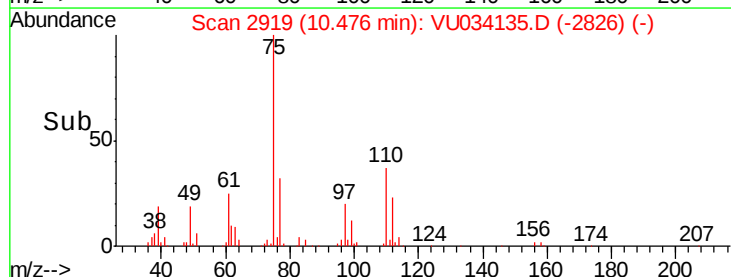
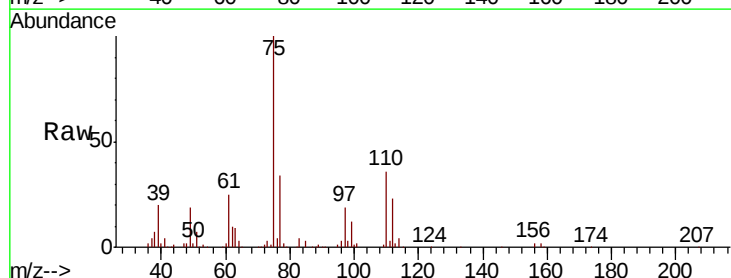
Acq: 31 Aug 2019 21:07

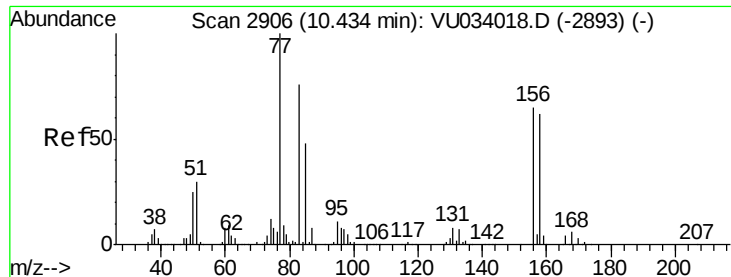
Tgt Ion: 75 Resp: 168105

Ion Ratio Lower Upper

75 100

77 32.2 20.1 60.2





#77

Bromobenzene

Concen: 18.436 ug/l

RT: 10.43 min Scan# 2906

Delta R.T. 0.00 min

Lab File: VU034135.D

Acq: 31 Aug 2019 21:07

Instrument :

MSVOA_U

ClientSampleId :

VU0902WBS01

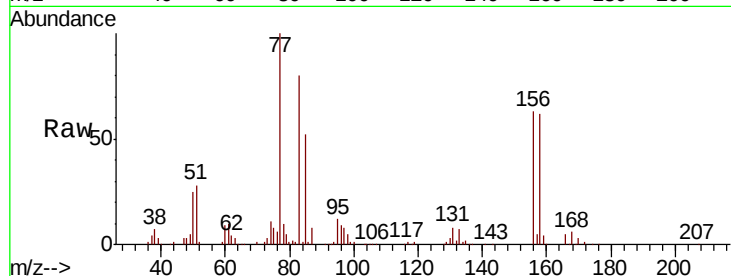
Tgt Ion:156 Resp: 113672

Ion Ratio Lower Upper

156 100

77 155.0 76.8 230.5

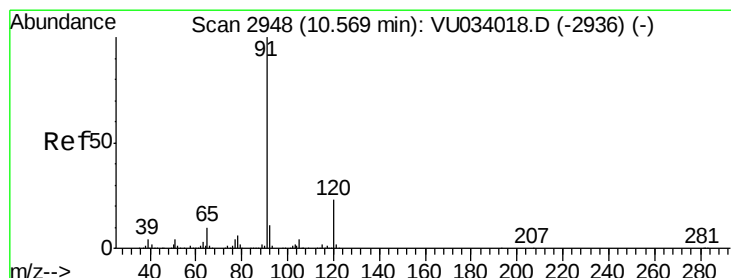
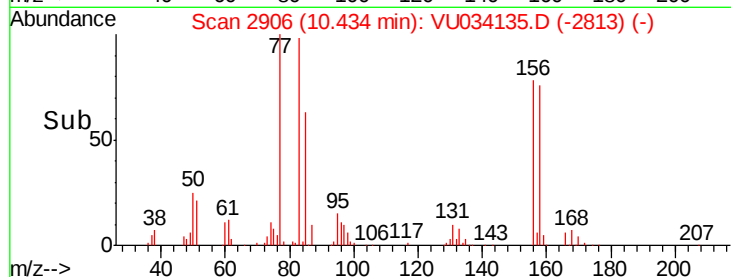
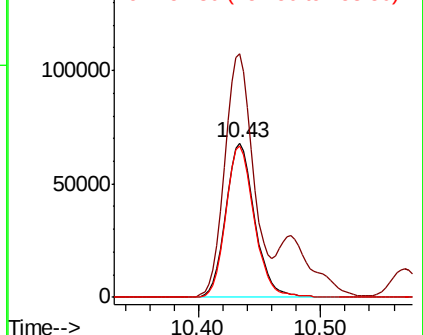
158 96.5 48.4 145.0



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: 18.492 ug/l

RT: 10.57 min Scan# 2948

Delta R.T. 0.00 min

Lab File: VU034135.D

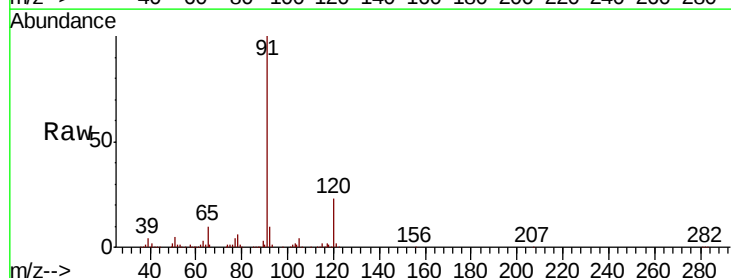
Acq: 31 Aug 2019 21:07

Tgt Ion: 91 Resp: 493612

Ion Ratio Lower Upper

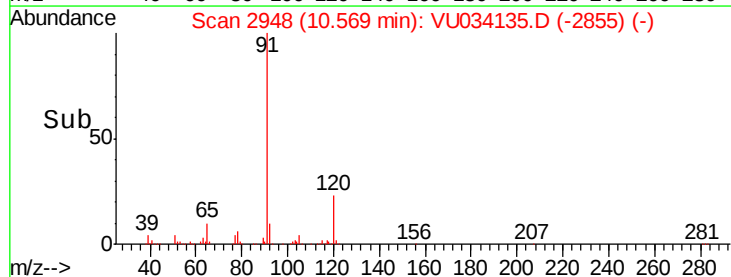
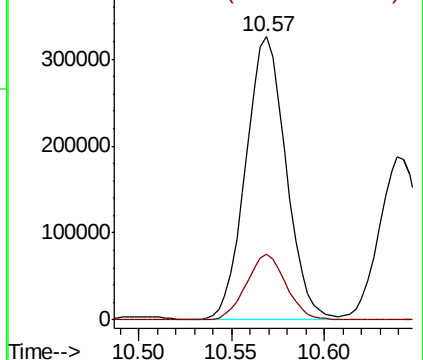
91 100

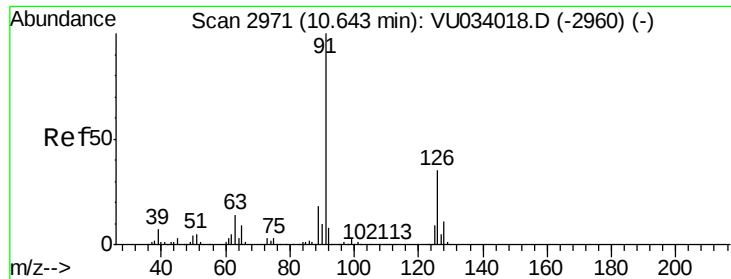
120 22.9 11.7 35.0



Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 18.759 ug/l

RT: 10.64 min Scan# 2970

Delta R.T. -0.00 min

Lab File: VU034135.D

Acq: 31 Aug 2019 21:07

Instrument :

MSVOA_U

ClientSampleId :

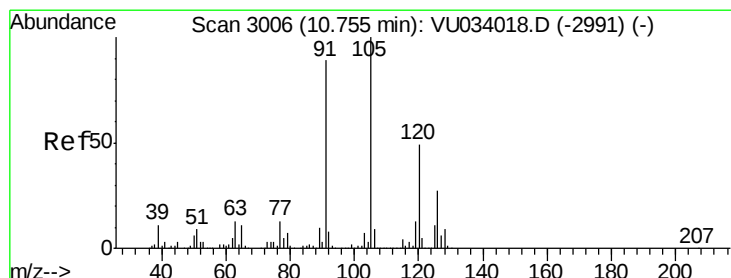
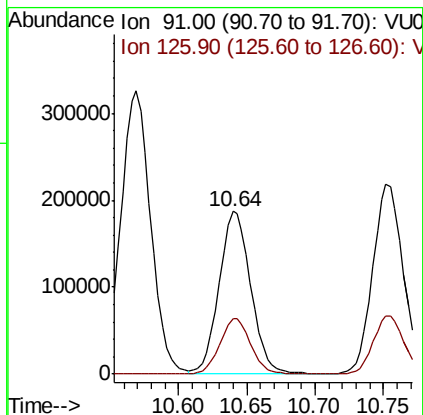
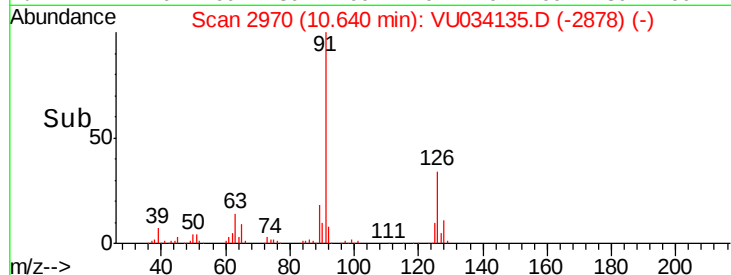
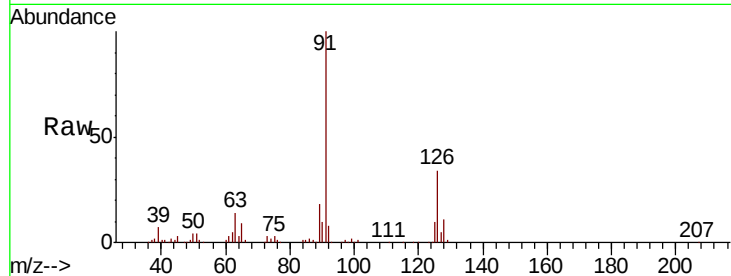
VU0902WBS01

Tgt Ion: 91 Resp: 300351

Ion Ratio Lower Upper

91 100

126 33.3 17.1 51.2



#80

1,3,5-Trimethylbenzene

Concen: 18.640 ug/l

RT: 10.75 min Scan# 3005

Delta R.T. -0.00 min

Lab File: VU034135.D

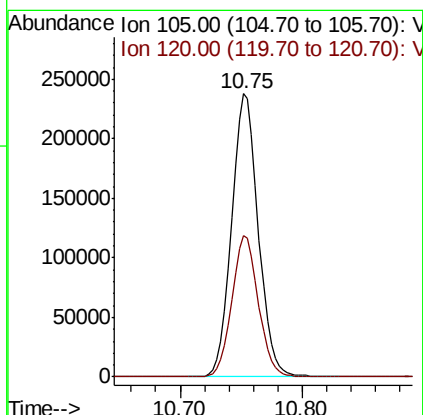
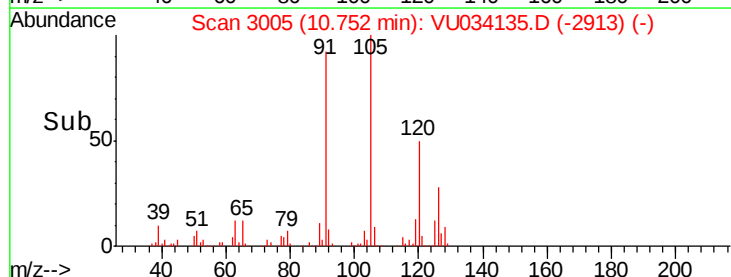
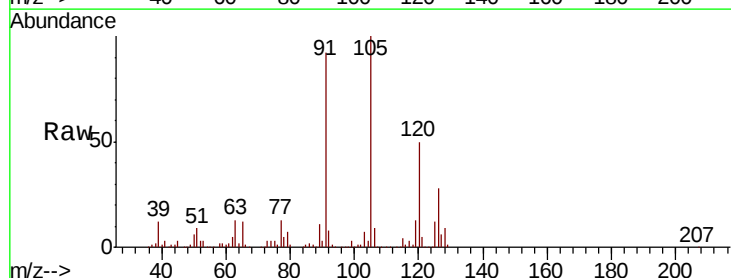
Acq: 31 Aug 2019 21:07

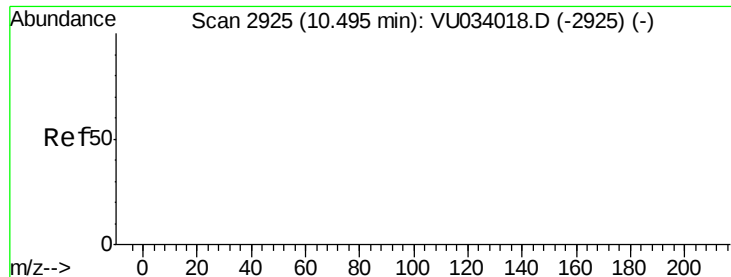
Tgt Ion: 105 Resp: 362118

Ion Ratio Lower Upper

105 100

120 49.5 24.6 73.6





#81

trans-1,4-Dichloro-2-butene

Concen: 73.600 ug/l

RT: 10.48 min Scan# 2919

Delta R.T. -0.02 min

Lab File: VU034135.D

Acq: 31 Aug 2019 21:07

Instrument :

MSVOA_U

ClientSampleId :

VU0902WBS01

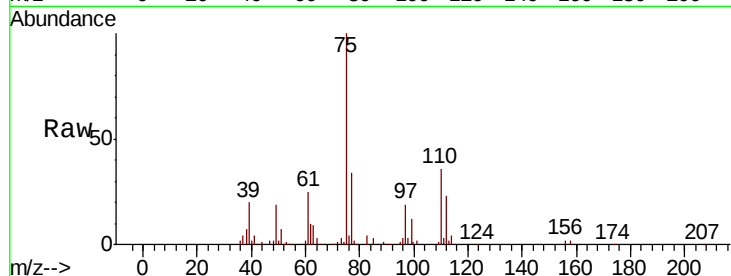
Tgt Ion: 75 Resp: 168105

Ion Ratio Lower Upper

75 100

53 0.0 0.0 0.0

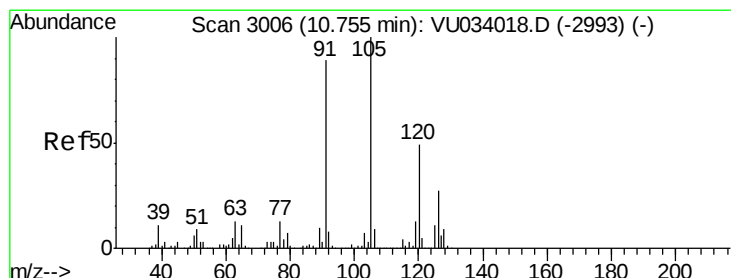
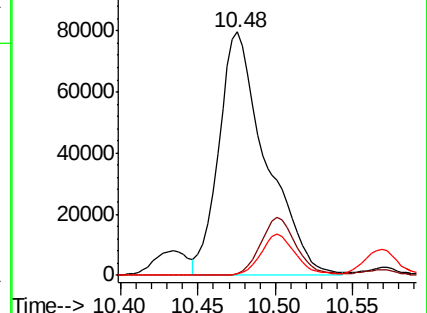
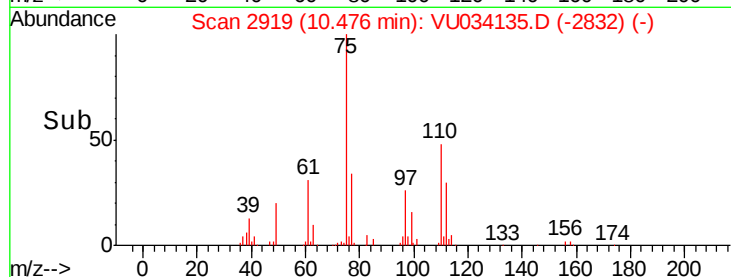
89 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 53.00 (52.70 to 53.70): VU0

Ion 88.90 (88.60 to 89.60): VU0



#82

4-Chlorotoluene

Concen: 18.624 ug/l

RT: 10.75 min Scan# 3005

Delta R.T. -0.00 min

Lab File: VU034135.D

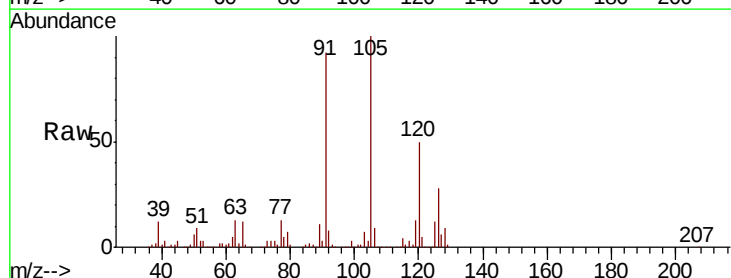
Acq: 31 Aug 2019 21:07

Tgt Ion: 91 Resp: 342942

Ion Ratio Lower Upper

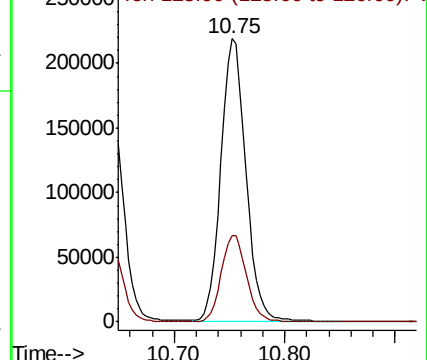
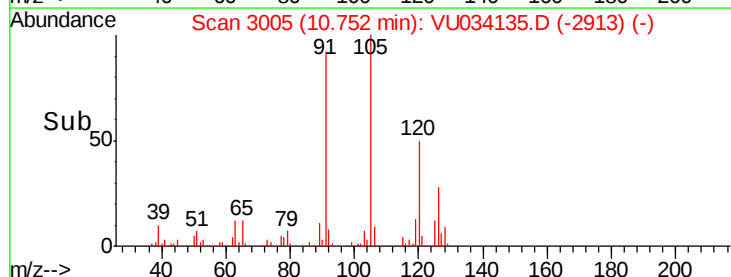
91 100

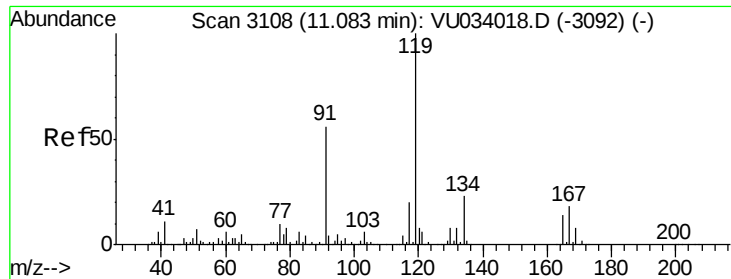
126 31.1 15.0 45.1



Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 125.90 (125.60 to 126.60): V

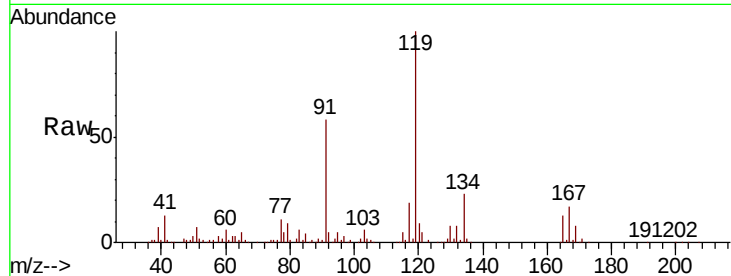




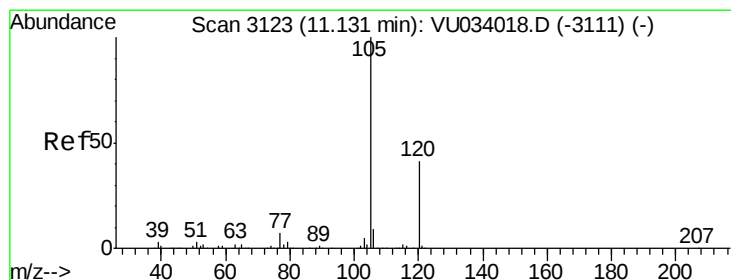
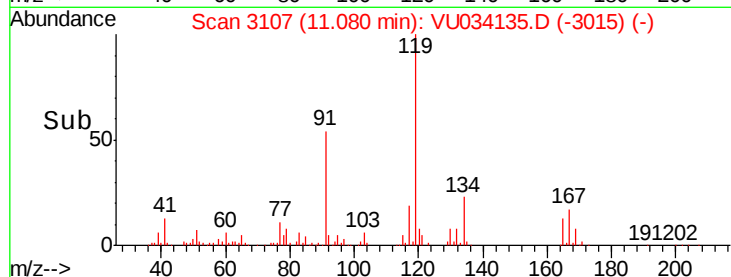
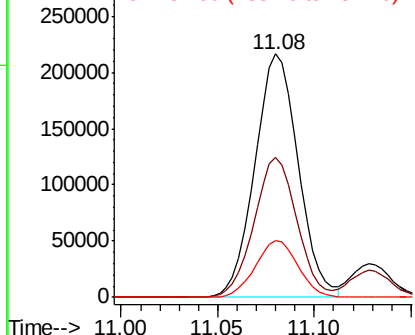
#83
tert-Butylbenzene
Concen: 17.659 ug/l
RT: 11.08 min Scan# 3107
Delta R.T. -0.00 min
Lab File: VU034135.D
Acq: 31 Aug 2019 21:07

Instrument :
MSVOA_U
ClientSampleId :
VU0902WBS01

Tgt Ion:119 Resp: 337710
Ion Ratio Lower Upper
119 100
91 56.6 27.9 83.6
134 23.0 11.4 34.2

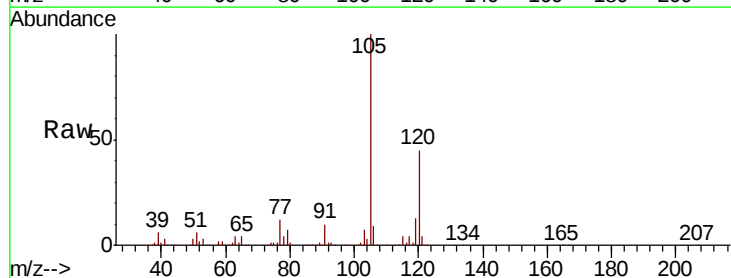


Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): VU
Ion 134.00 (133.70 to 134.70): V

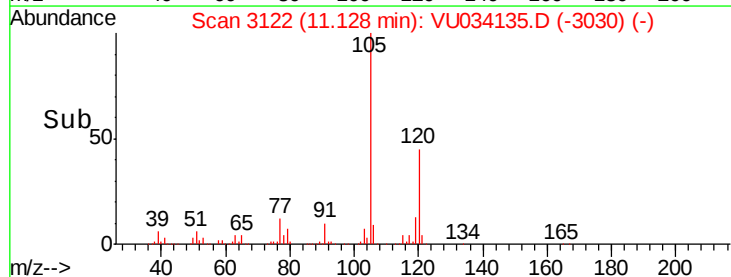
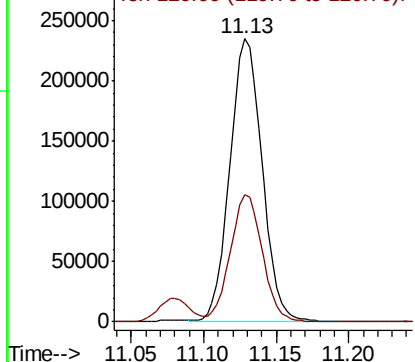


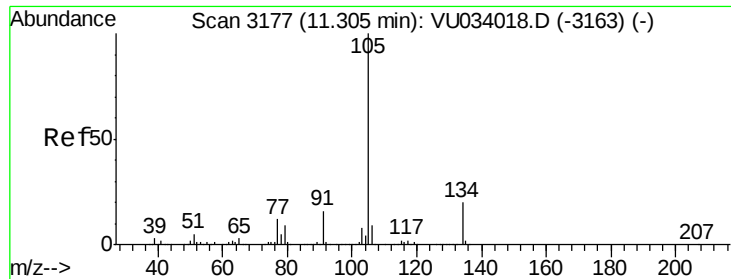
#84
1,2,4-Trimethylbenzene
Concen: 18.706 ug/l
RT: 11.13 min Scan# 3122
Delta R.T. -0.00 min
Lab File: VU034135.D
Acq: 31 Aug 2019 21:07

Tgt Ion:105 Resp: 360847
Ion Ratio Lower Upper
105 100
120 44.9 22.6 67.8



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

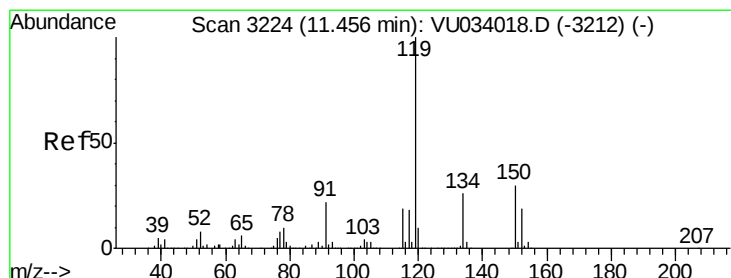
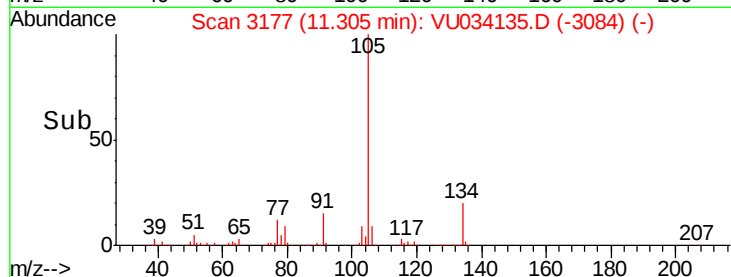
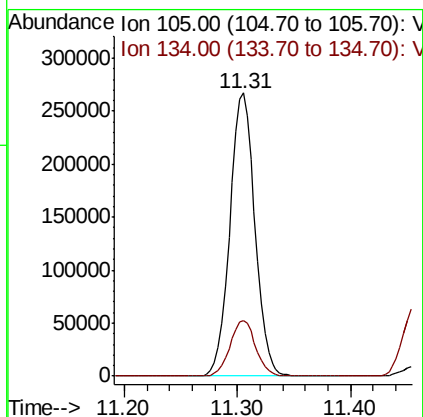
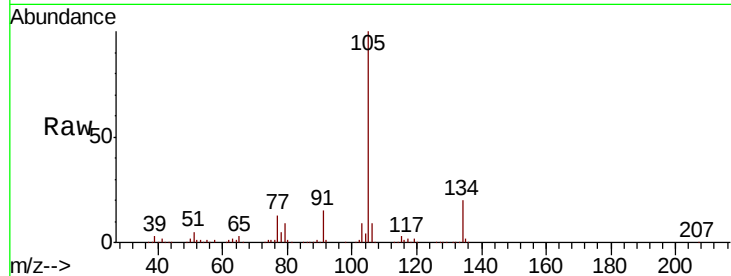




#85
 sec-Butylbenzene
 Concen: 17.886 ug/l
 RT: 11.31 min Scan# 3177
 Delta R.T. 0.00 min
 Lab File: VU034135.D
 Acq: 31 Aug 2019 21:07

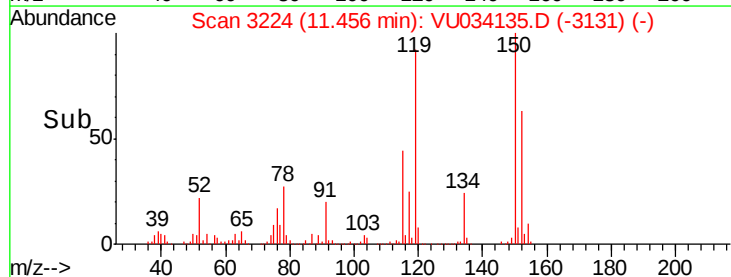
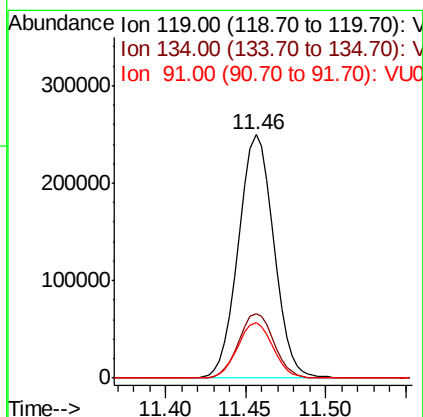
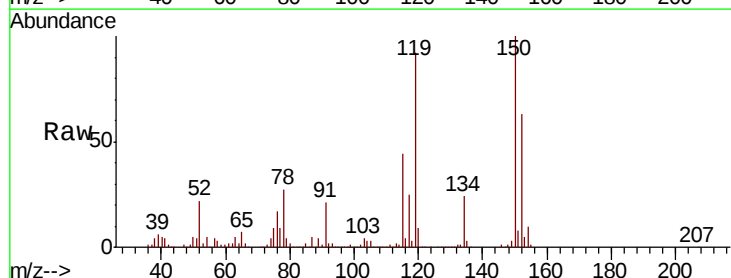
Instrument :
 MSVOA_U
 ClientSampleId :
 VU0902WBS01

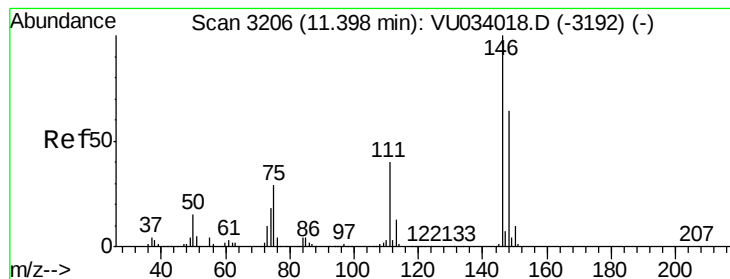
Tgt Ion:105 Resp: 409971
 Ion Ratio Lower Upper
 105 100
 134 20.1 10.0 30.0



#86
 p-Isopropyltoluene
 Concen: 18.049 ug/l
 RT: 11.46 min Scan# 3224
 Delta R.T. 0.00 min
 Lab File: VU034135.D
 Acq: 31 Aug 2019 21:07

Tgt Ion:119 Resp: 374158
 Ion Ratio Lower Upper
 119 100
 134 26.7 13.1 39.1
 91 22.7 11.2 33.6





#87

1,3-Dichlorobenzene

Concen: 18.589 ug/l

RT: 11.40 min Scan# 3206

Delta R.T. 0.00 min

Lab File: VU034135.D

Acq: 31 Aug 2019 21:07

Instrument :

MSVOA_U

ClientSampleId :

VU0902WBS01

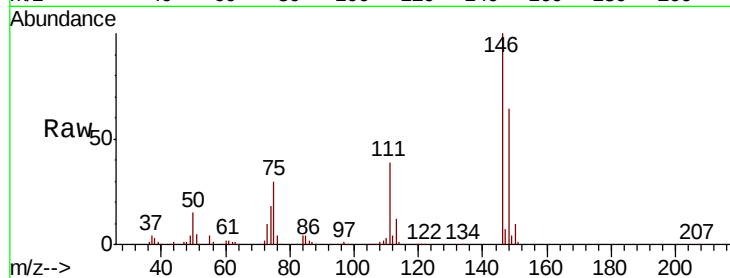
Tgt Ion:146 Resp: 202915

Ion Ratio Lower Upper

146 100

111 39.3 19.9 59.6

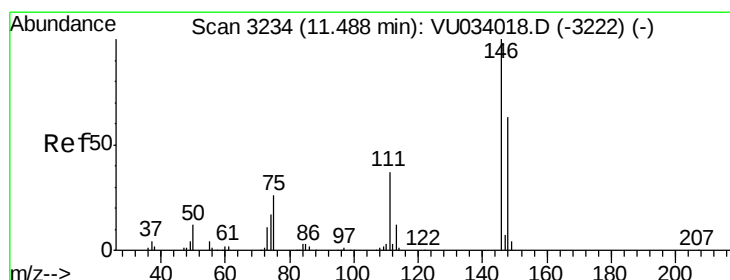
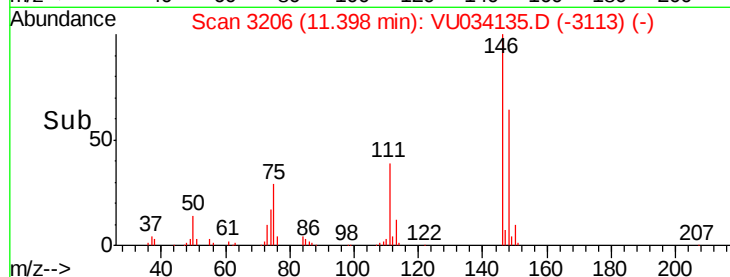
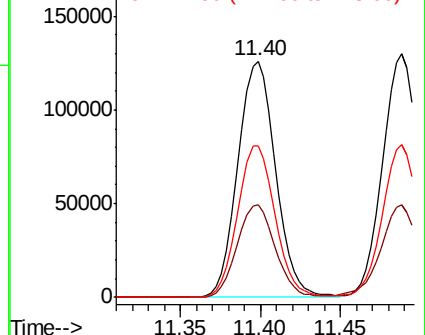
148 63.6 31.9 95.5



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#88

1,4-Dichlorobenzene

Concen: 18.819 ug/l

RT: 11.49 min Scan# 3234

Delta R.T. 0.00 min

Lab File: VU034135.D

Acq: 31 Aug 2019 21:07

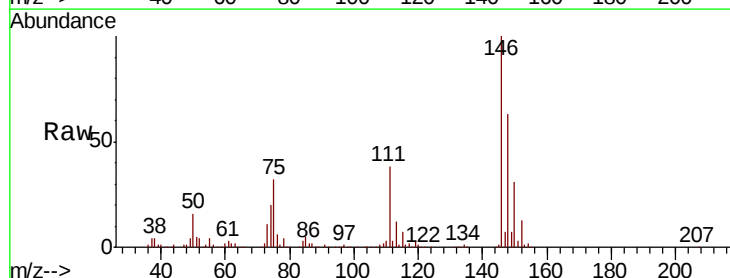
Tgt Ion:146 Resp: 207745

Ion Ratio Lower Upper

146 100

111 39.5 19.2 57.6

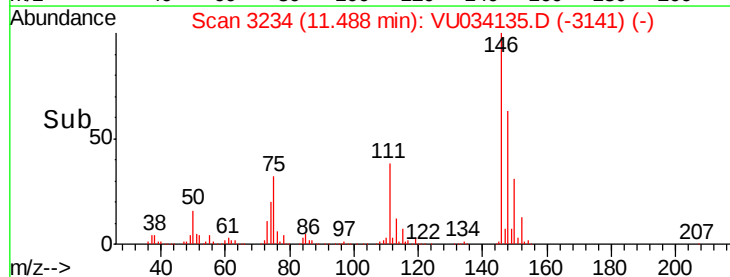
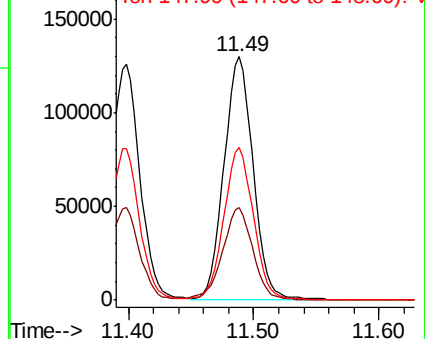
148 63.6 31.9 95.9

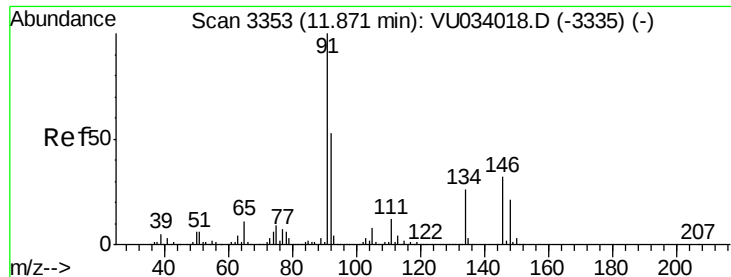


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V

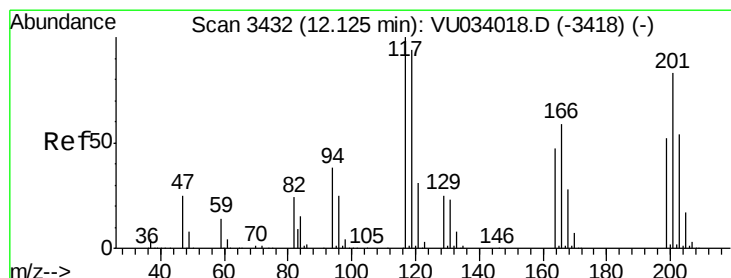
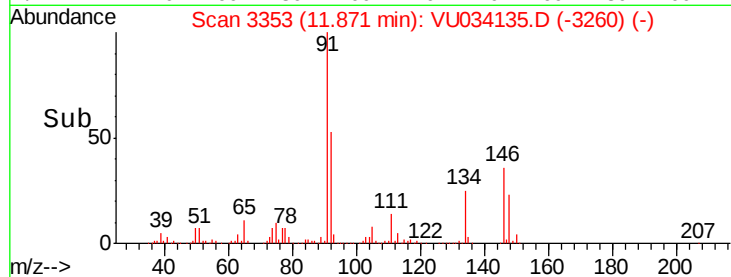
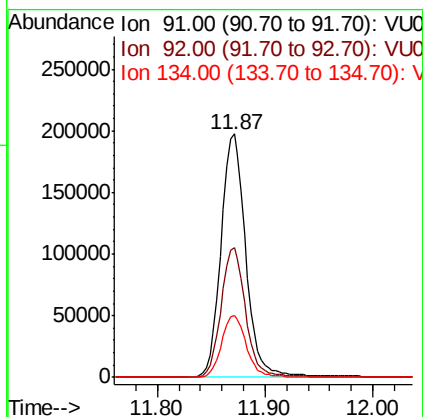
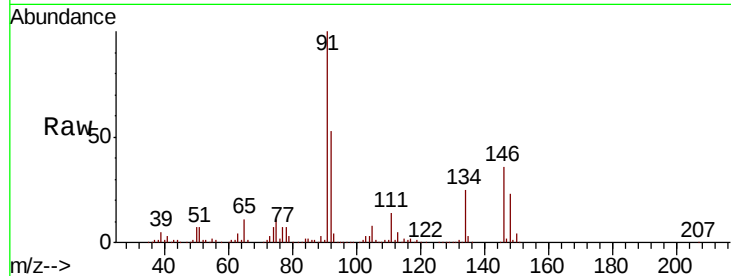




#89
n-Butylbenzene
Concen: 17.337 ug/l
RT: 11.87 min Scan# 3353
Delta R.T. 0.00 min
Lab File: VU034135.D
Acq: 31 Aug 2019 21:07

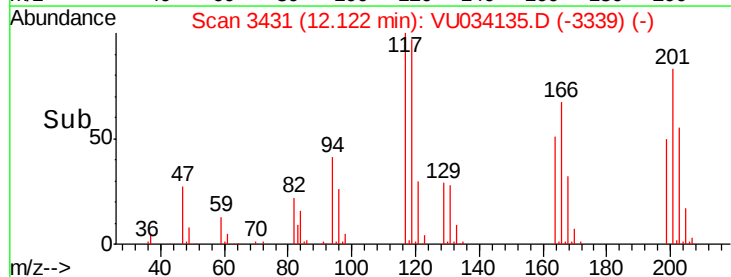
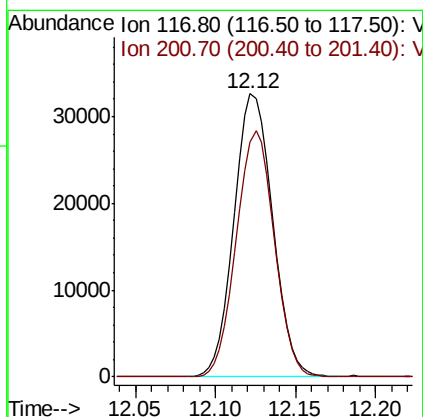
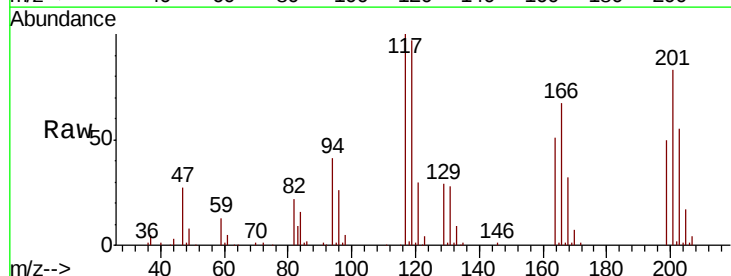
Instrument :
MSVOA_U
ClientSampleId :
VU0902WBS01

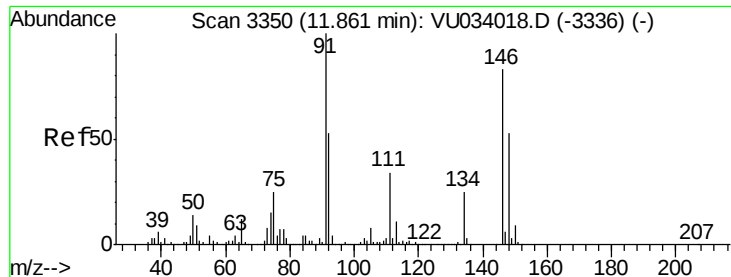
Tgt Ion: 91 Resp: 316869
Ion Ratio Lower Upper
91 100
92 53.0 26.3 78.9
134 25.5 12.9 38.7



#90
Hexachloroethane
Concen: 15.002 ug/l
RT: 12.12 min Scan# 3431
Delta R.T. -0.00 min
Lab File: VU034135.D
Acq: 31 Aug 2019 21:07

Tgt Ion: 117 Resp: 53769
Ion Ratio Lower Upper
117 100
201 85.2 42.5 127.6





#91

1,2-Dichlorobenzene

Concen: 19.149 ug/l

RT: 11.86 min Scan# 3350

Delta R.T. 0.00 min

Lab File: VU034135.D

Acq: 31 Aug 2019 21:07

Instrument :

MSVOA_U

ClientSampleId :

VU0902WBS01

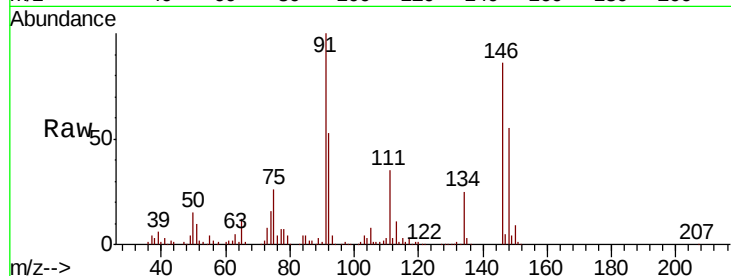
Tgt Ion:146 Resp: 200223

Ion Ratio Lower Upper

146 100

111 40.7 20.4 61.2

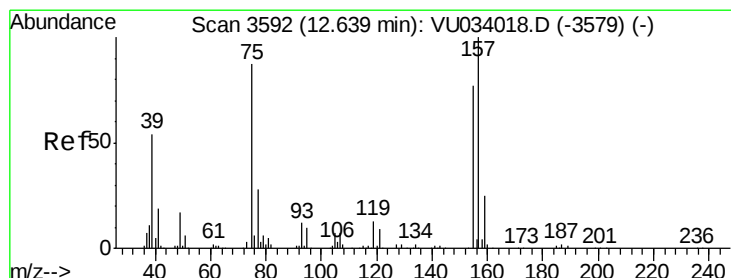
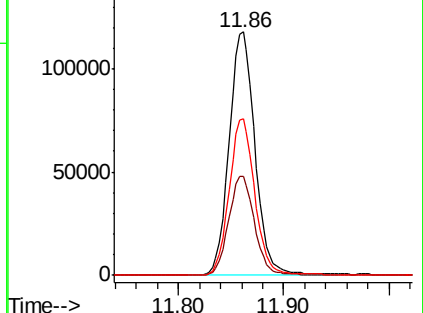
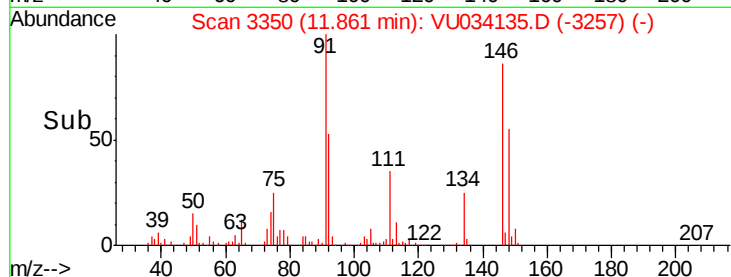
148 63.2 32.3 96.8



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: 16.616 ug/l

RT: 12.64 min Scan# 3592

Delta R.T. 0.00 min

Lab File: VU034135.D

Acq: 31 Aug 2019 21:07

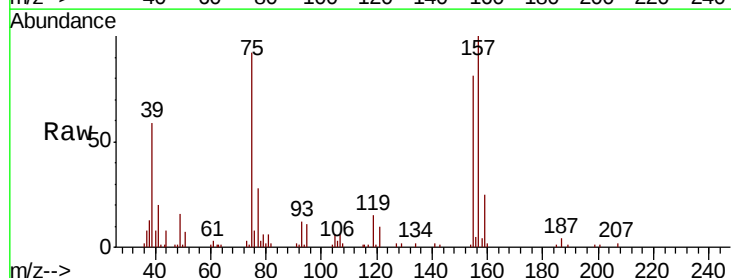
Tgt Ion: 75 Resp: 29041

Ion Ratio Lower Upper

75 100

155 86.7 43.5 130.7

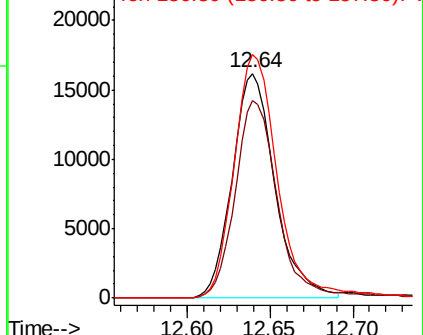
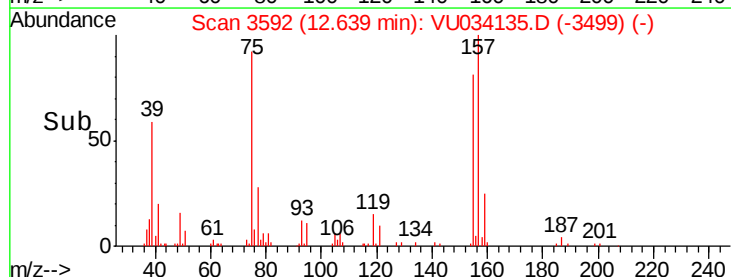
157 111.7 56.9 170.6



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

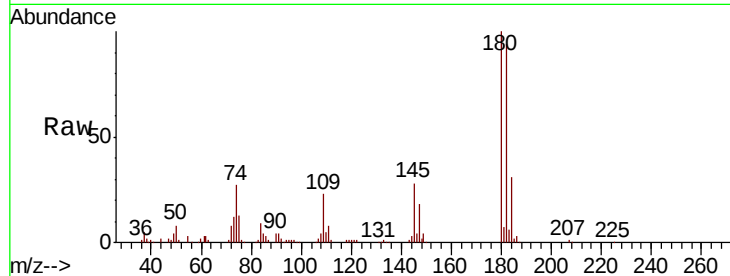




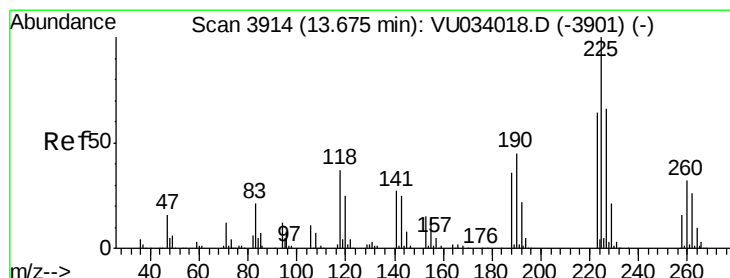
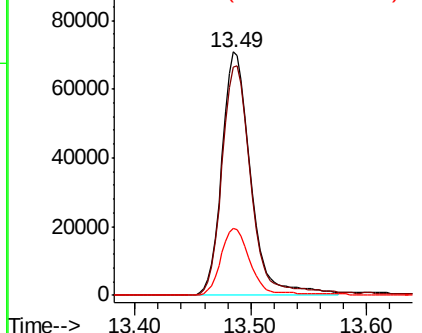
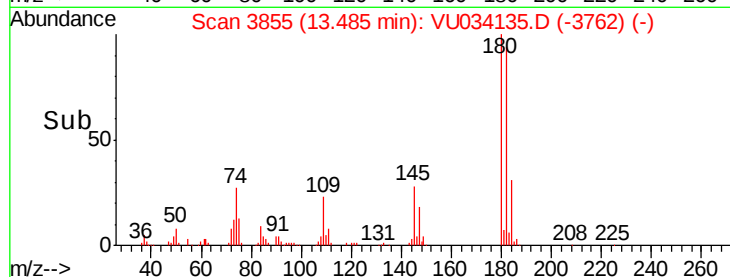
#93
 1,2,4-Trichlorobenzene
 Concen: 17.170 ug/l
 RT: 13.49 min Scan# 3855
 Delta R.T. 0.00 min
 Lab File: VU034135.D
 Acq: 31 Aug 2019 21:07

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0902WBS01

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.1	47.4	142.2
145	28.5	14.1	42.3

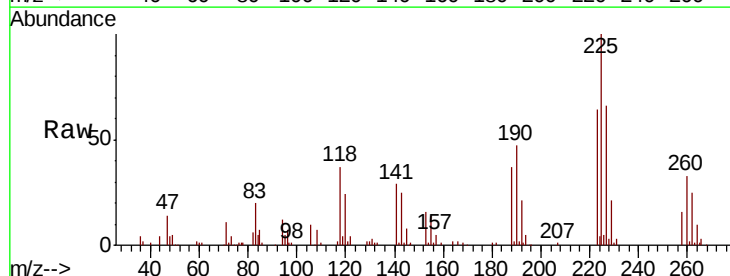


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

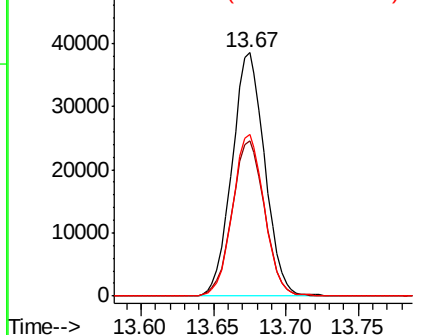
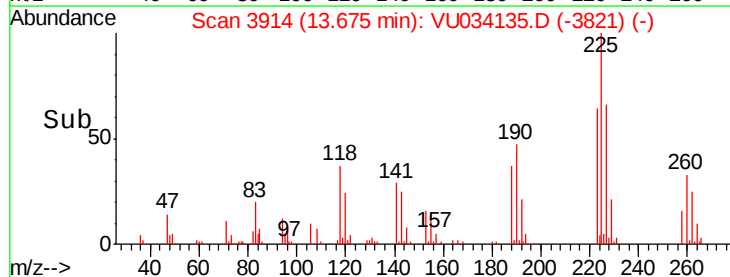


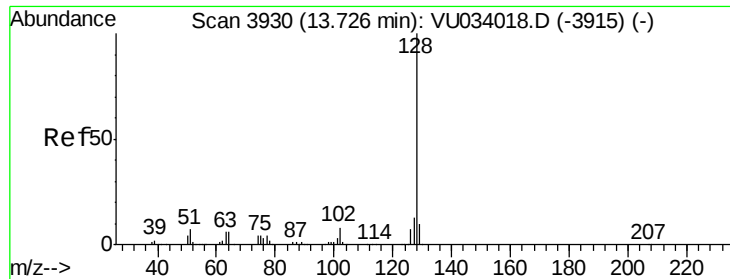
#94
 Hexachlorobutadiene
 Concen: 14.737 ug/l
 RT: 13.67 min Scan# 3914
 Delta R.T. 0.00 min
 Lab File: VU034135.D
 Acq: 31 Aug 2019 21:07

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.4	31.8	95.3
227	64.1	32.6	97.8



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

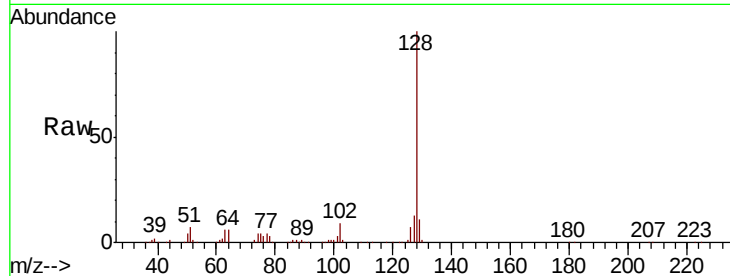




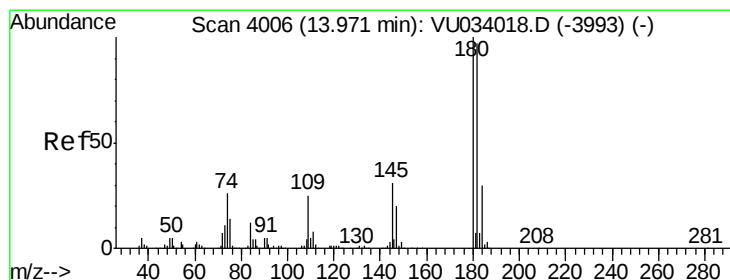
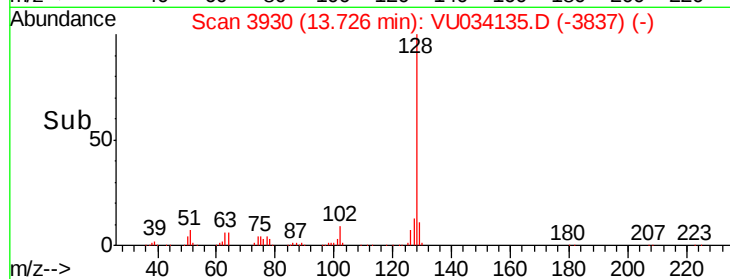
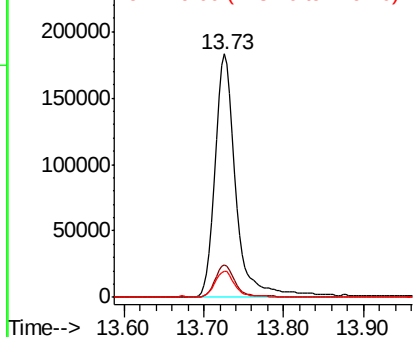
#95
Naphthalene
Concen: 16.939 ug/l
RT: 13.73 min Scan# 3930
Delta R.T. 0.00 min
Lab File: VU034135.D
Acq: 31 Aug 2019 21:07

Instrument :
MSVOA_U
ClientSampleId :
VU0902WBS01

Tgt Ion:128 Resp: 334643
Ion Ratio Lower Upper
128 100
127 12.9 10.2 15.4
129 10.2 8.4 12.6

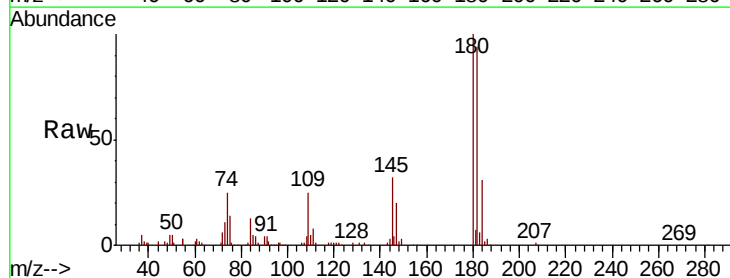


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96
1,2,3-Trichlorobenzene
Concen: 18.300 ug/l
RT: 13.97 min Scan# 4006
Delta R.T. 0.00 min
Lab File: VU034135.D
Acq: 31 Aug 2019 21:07

Tgt Ion:180 Resp: 122576
Ion Ratio Lower Upper
180 100
182 97.0 48.2 144.6
145 31.1 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

