

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU090519\
 Data File : VU034247.D
 Acq On : 04 Sep 2019 11:05
 Operator : JC/SP
 Sample : VU0904WBS01
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0905WBS01

Quant Time: Sep 05 03:35:42 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	382611	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.86	114	599419	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.07	117	577566	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.46	152	310220	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.29	65	242836	49.53	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.06%	
35) Dibromofluoromethane	4.86	113	208445	50.14	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.28%	
50) Toluene-d8	7.55	98	797142	51.21	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.42%	
62) 4-Bromofluorobenzene	10.29	95	296058	48.89	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.78%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.20	85	68355	17.764	ug/l	98
3) Chloromethane	1.32	50	88974	15.887	ug/l	100
4) Vinyl Chloride	1.40	62	91102	17.788	ug/l	99
5) Bromomethane	1.62	94	50759	16.724	ug/l	100
6) Chloroethane	1.69	64	57561	18.384	ug/l	99
7) Trichlorofluoromethane	1.88	101	113882	19.191	ug/l	96
8) Diethyl Ether	2.09	74	50339	19.829	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	2.27	101	72627	19.319	ug/l	97
10) Methyl Iodide	2.40	142	51170	9.595	ug/l	99
11) Tert butyl alcohol	2.81	59	101606	89.873	ug/l	99
12) 1,1-Dichloroethene	2.27	96	72347	18.888	ug/l	97
13) Acrolein	2.18	56	23835	50.116	ug/l	98
14) Allyl chloride	2.58	41	120655	16.754	ug/l	95
15) Acrylonitrile	2.92	53	258372	99.593	ug/l	100
16) Acetone	2.31	43	240827	96.273	ug/l	99
17) Carbon Disulfide	2.46	76	193838	15.990	ug/l	100
18) Methyl Acetate	2.60	43	125009	19.338	ug/l	99
19) Methyl tert-butyl Ether	2.98	73	250549	19.964	ug/l	100
20) Methylene Chloride	2.68	84	90142	19.035	ug/l	98
21) trans-1,2-Dichloroethene	2.97	96	78342	18.846	ug/l	97
22) Diisopropyl ether	3.55	45	266624	20.204	ug/l	92
23) Vinyl Acetate	3.50	43	1098989	96.946	ug/l	100
24) 1,1-Dichloroethane	3.43	63	153930	19.757	ug/l	99
25) 2-Butanone	4.24	43	348067	100.012	ug/l	98
26) 2,2-Dichloropropane	4.20	77	121862	19.222	ug/l	99
27) cis-1,2-Dichloroethene	4.20	96	91324	19.573	ug/l	97
28) Bromochloromethane	4.52	49	81608	21.261	ug/l	99
29) Tetrahydrofuran	4.62	42	216575	100.908	ug/l	99
30) Chloroform	4.65	83	152902	19.670	ug/l	97
31) Cyclohexane	4.97	56	130251	17.792	ug/l	97
32) 1,1,1-Trichloroethane	4.89	97	125528	19.717	ug/l	98
36) 1,1-Dichloropropene	5.12	75	104042	18.350	ug/l	99
37) Ethyl Acetate	4.36	43	120814	19.029	ug/l	99
38) Carbon Tetrachloride	5.11	117	106086	19.384	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.40	83	119072	17.818	ug/l	96
40) Benzene	5.37	78	332378	19.376	ug/l	99
41) Methacrylonitrile	4.52	41	64316	19.752	ug/l	98
42) 1,2-Dichloroethane	5.39	62	113443	19.151	ug/l	97
43) Isopropyl Acetate	5.53	43	185572	19.212	ug/l	99
44) Trichloroethene	6.17	130	90019	19.984	ug/l	98
45) 1,2-Dichloropropane	6.41	63	94145	19.937	ug/l	98
46) Dibromomethane	6.54	93	59949	19.705	ug/l	99
47) Bromodichloromethane	6.74	83	120076	20.174	ug/l	100
48) Methyl methacrylate	6.60	41	87858	18.849	ug/l	98
49) 1,4-Dioxane	6.59	88	41581	356.046	ug/l	98
51) 4-Methyl-2-Pentanone	7.44	43	641597	96.181	ug/l	99
52) Toluene	7.62	92	211711	20.035	ug/l	99
53) t-1,3-Dichloropropene	7.86	75	123794	18.744	ug/l	100
54) cis-1,3-Dichloropropene	7.25	75	141567	19.620	ug/l	96
55) 1,1,2-Trichloroethane	8.05	97	88871	19.882	ug/l	98
56) Ethyl methacrylate	8.00	69	124244	17.403	ug/l	98
57) 1,3-Dichloropropane	8.22	76	145997	19.237	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.11	63	200217	80.966	ug/l	100
59) 2-Hexanone	8.34	43	485323	96.375	ug/l	99
60) Dibromochloromethane	8.46	129	94166	19.626	ug/l	99
61) 1,2-Dibromoethane	8.57	107	90325	19.183	ug/l	100
64) Tetrachloroethene	8.21	164	80590	20.777	ug/l	98
65) Chlorobenzene	9.10	112	229710	19.327	ug/l	98
66) 1,1,1,2-Tetrachloroethane	9.19	131	83214	19.308	ug/l	99
67) Ethyl Benzene	9.23	91	381535	18.937	ug/l	99
68) m/p-Xylenes	9.36	106	295991	38.636	ug/l	100
69) o-Xylene	9.76	106	140278	19.086	ug/l	99
70) Styrene	9.77	104	247298	19.623	ug/l	100
71) Bromoform	9.94	173	72360	19.324	ug/l #	98
73) Isopropylbenzene	10.15	105	385821	18.516	ug/l	100
74) N-amyl acetate	10.00	43	156081	17.809	ug/l	99
75) 1,1,2,2-Tetrachloroethane	10.44	83	149584	18.756	ug/l	99
76) 1,2,3-Trichloropropane	10.48	75	161866	23.151	ug/l	88
77) Bromobenzene	10.43	156	104211	18.592	ug/l	99
78) n-propylbenzene	10.57	91	447446	18.438	ug/l	99
79) 2-Chlorotoluene	10.64	91	266860	18.334	ug/l	98
80) 1,3,5-Trimethylbenzene	10.75	105	334669	18.950	ug/l	100
81) trans-1,4-Dichloro-2-buten	10.48	75	162650	78.332	ug/l #	100
82) 4-Chlorotoluene	10.75	91	314249	18.773	ug/l	100
83) tert-Butylbenzene	11.08	119	314688	18.100	ug/l	100
84) 1,2,4-Trimethylbenzene	11.13	105	330021	18.819	ug/l	99
85) sec-Butylbenzene	11.30	105	383584	18.408	ug/l	99
86) p-Isopropyltoluene	11.46	119	352068	18.681	ug/l	99
87) 1,3-Dichlorobenzene	11.40	146	186392	18.783	ug/l	99
88) 1,4-Dichlorobenzene	11.49	146	189030	18.836	ug/l	98
89) n-Butylbenzene	11.87	91	303717	18.279	ug/l	100
90) Hexachloroethane	12.12	117	52598	16.142	ug/l	99
91) 1,2-Dichlorobenzene	11.86	146	182805	19.231	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	12.64	75	28383	17.864	ug/l	98

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

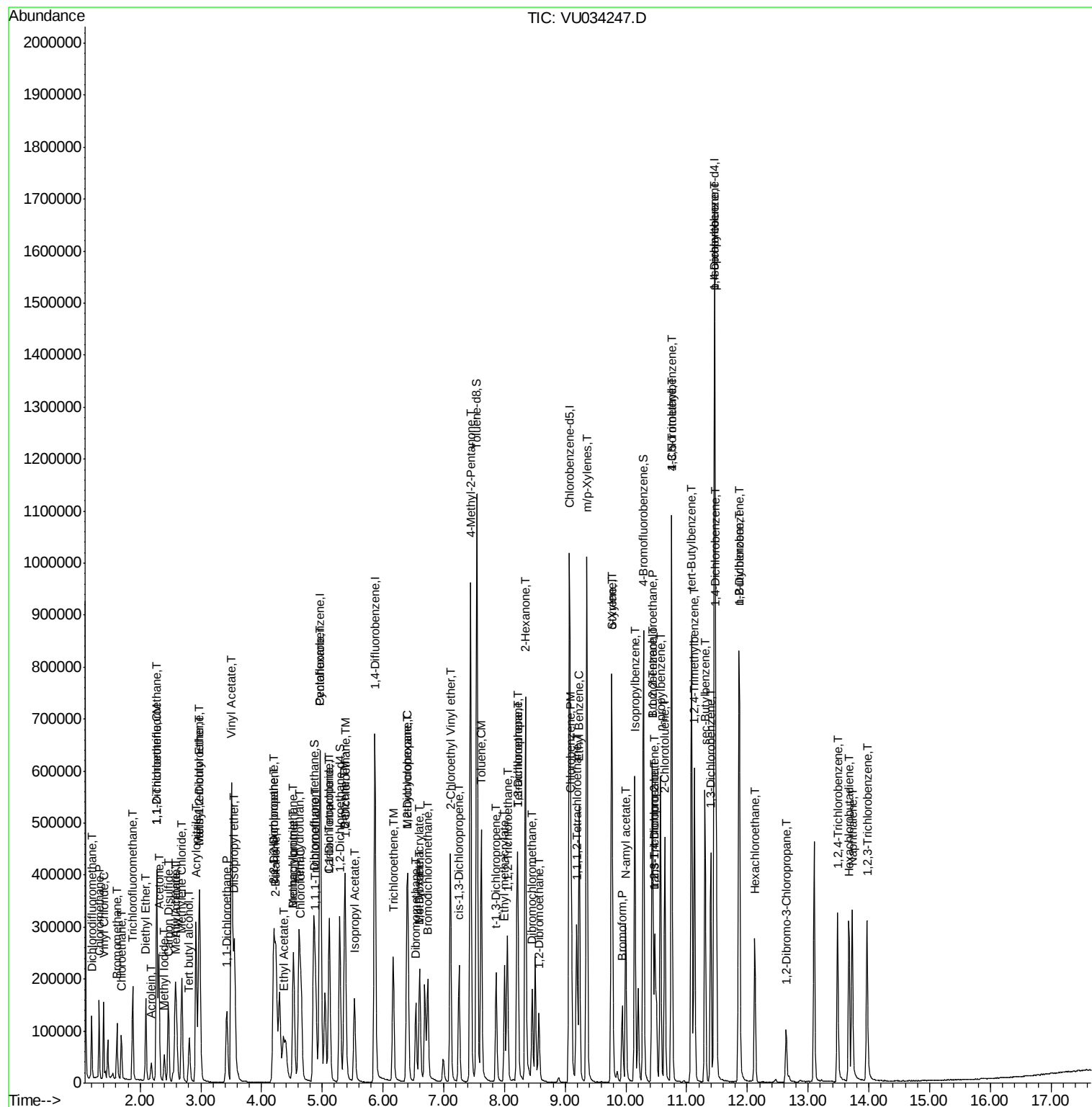
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.49	180	115794	17.858	ug/l	98
94) Hexachlorobutadiene	13.67	225	61540	16.549	ug/l	97
95) Naphthalene	13.73	128	309555	17.204	ug/l	99
96) 1,2,3-Trichlorobenzene	13.97	180	116846	19.189	ug/l	99

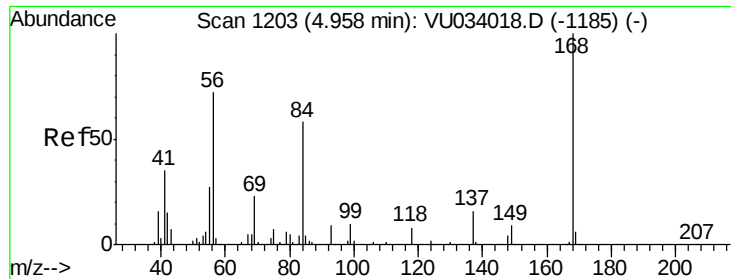
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.96 min Scan# 1204

Delta R.T. 0.00 min

Lab File: VU034247.D

Acq: 04 Sep 2019 11:05

Instrument :

MSVOA_U

ClientSampleId :

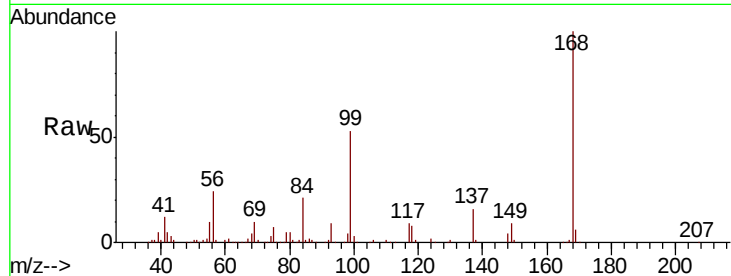
VU0905WBS01

Tgt Ion:168 Resp: 382611

Ion Ratio Lower Upper

168 100

99 52.7 42.3 63.5



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

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

4.96

150000

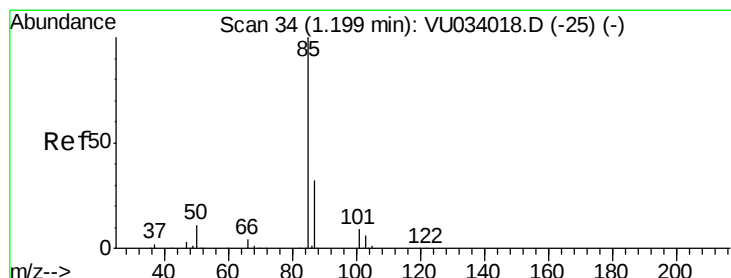
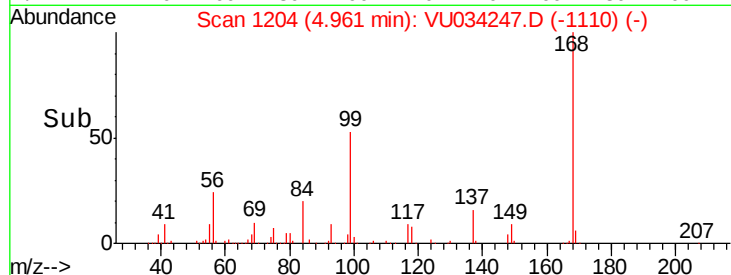
100000

50000

0

4.90 5.00 5.10

Time-->



#2

Dichlorodifluoromethane

Concen: 17.764 ug/l

RT: 1.20 min Scan# 35

Delta R.T. 0.00 min

Lab File: VU034247.D

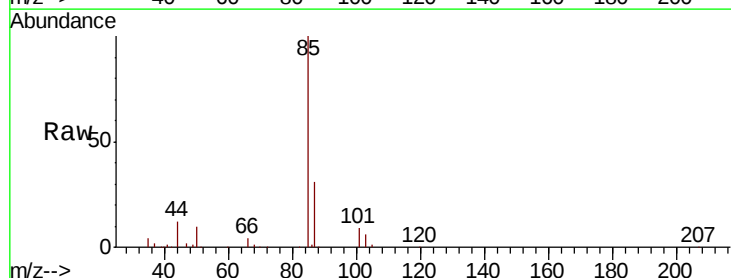
Acq: 04 Sep 2019 11:05

Tgt Ion: 85 Resp: 68355

Ion Ratio Lower Upper

85 100

87 31.3 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

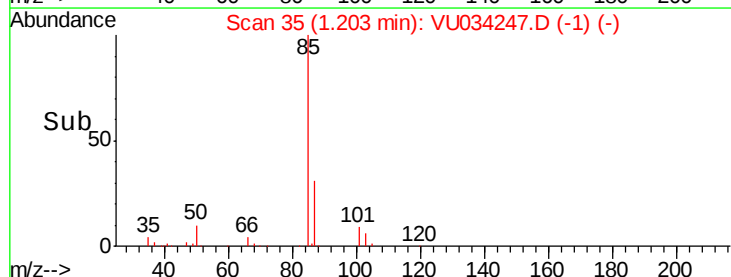
40000

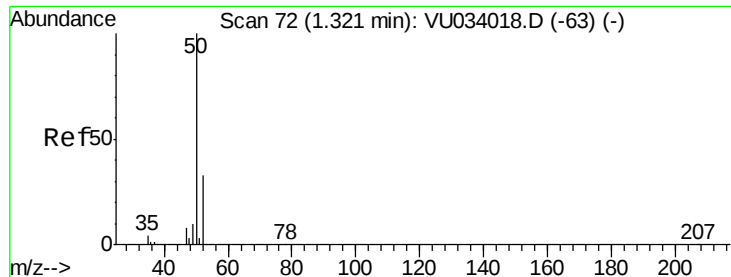
20000

0

1.15 1.20 1.25

Time-->





#3

Chloromethane

Concen: 15.887 ug/l

RT: 1.32 min Scan# 73

Delta R.T. 0.00 min

Lab File: VU034247.D

Acq: 04 Sep 2019 11:05

Instrument :

MSVOA_U

ClientSampleId :

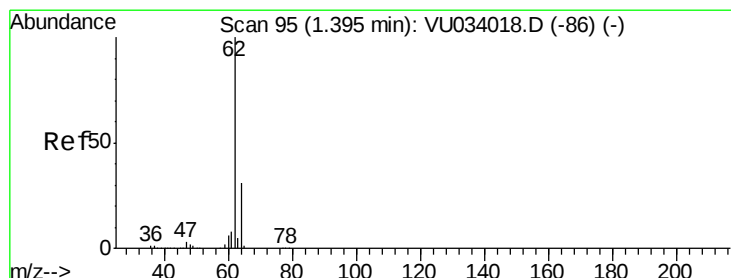
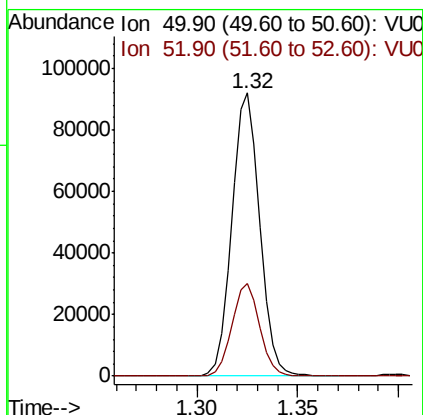
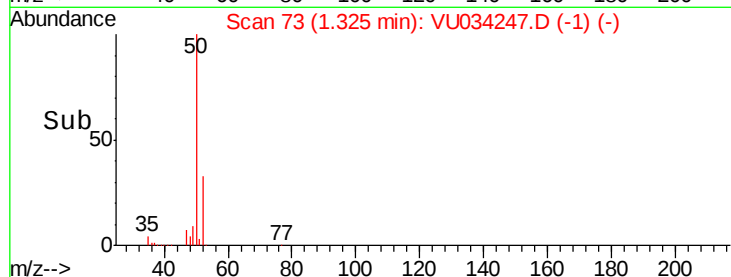
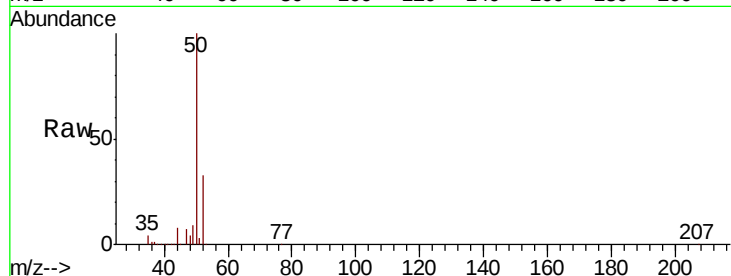
VU0905WBS01

Tgt Ion: 50 Resp: 88974

Ion Ratio Lower Upper

50 100

52 32.7 26.2 39.4



#4

Vinyl Chloride

Concen: 17.788 ug/l

RT: 1.40 min Scan# 96

Delta R.T. 0.00 min

Lab File: VU034247.D

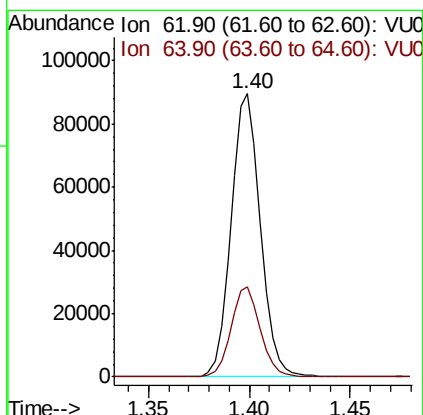
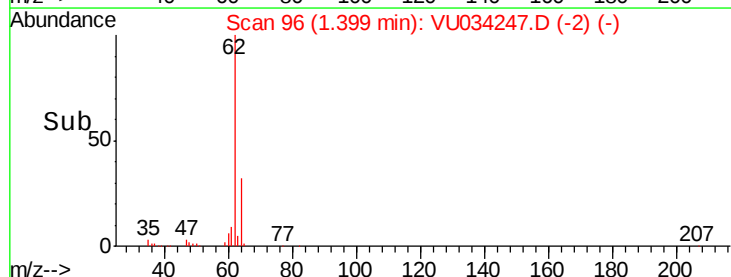
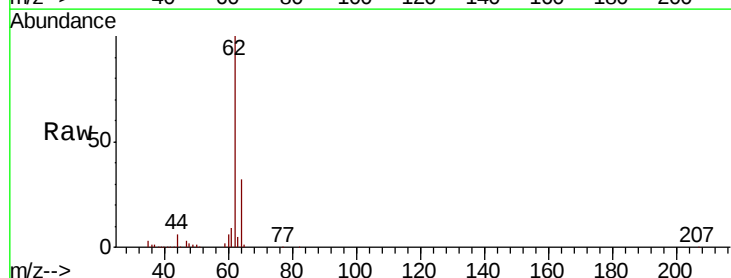
Acq: 04 Sep 2019 11:05

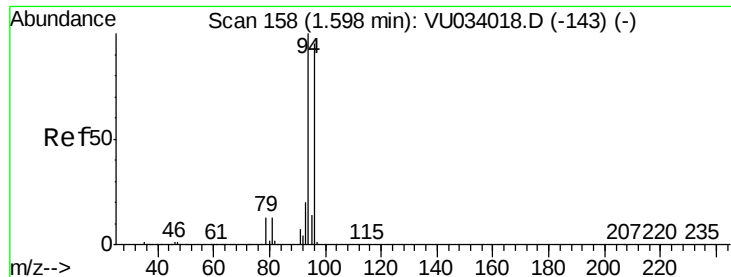
Tgt Ion: 62 Resp: 91102

Ion Ratio Lower Upper

62 100

64 31.7 25.0 37.6





#5

Bromomethane

Concen: 16.724 ug/l

RT: 1.62 min Scan# 164

Delta R.T. 0.02 min

Lab File: VU034247.D

Acq: 04 Sep 2019 11:05

Instrument :

MSVOA_U

ClientSampleId :

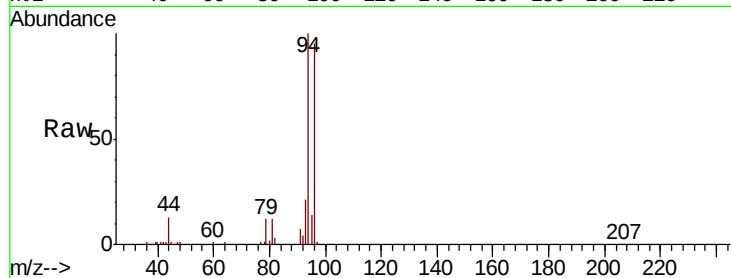
VU0905WBS01

Tgt Ion: 94 Resp: 50759

Ion Ratio Lower Upper

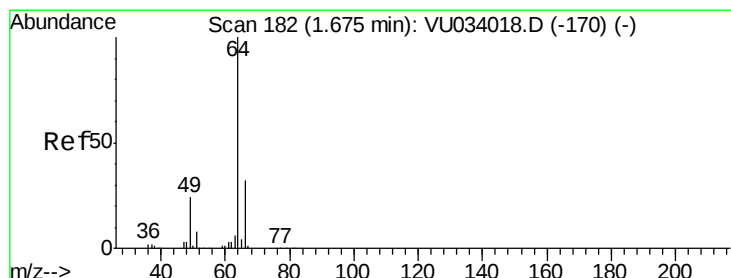
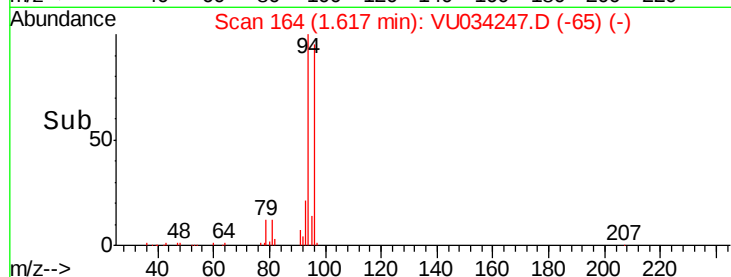
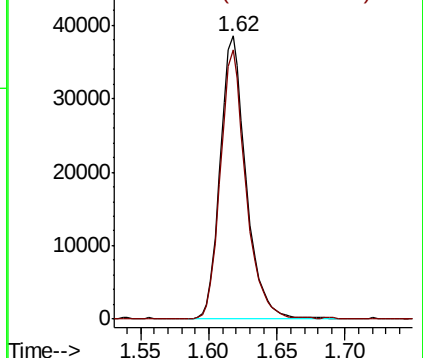
94 100

96 95.0 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: 18.384 ug/l

RT: 1.69 min Scan# 187

Delta R.T. 0.02 min

Lab File: VU034247.D

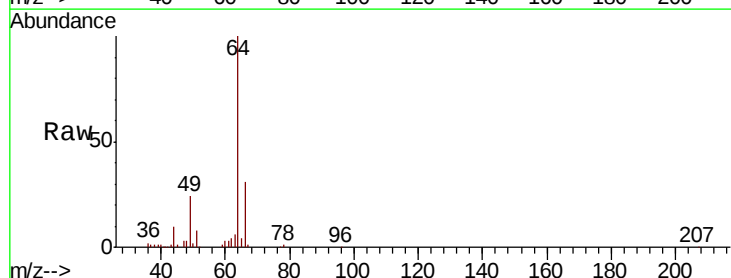
Acq: 04 Sep 2019 11:05

Tgt Ion: 64 Resp: 57561

Ion Ratio Lower Upper

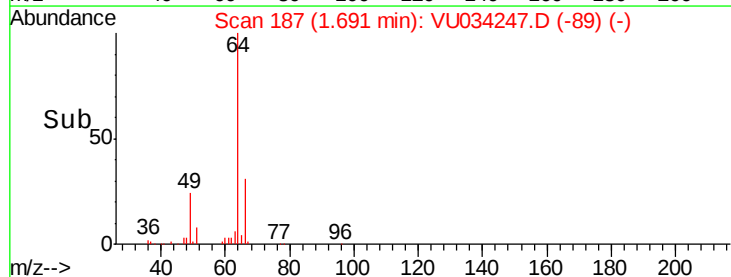
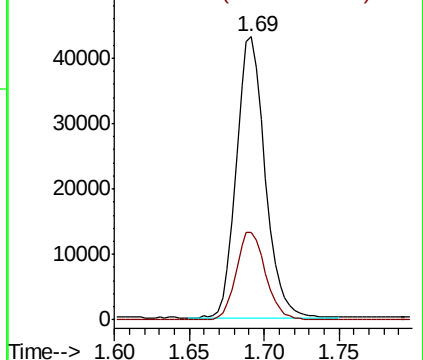
64 100

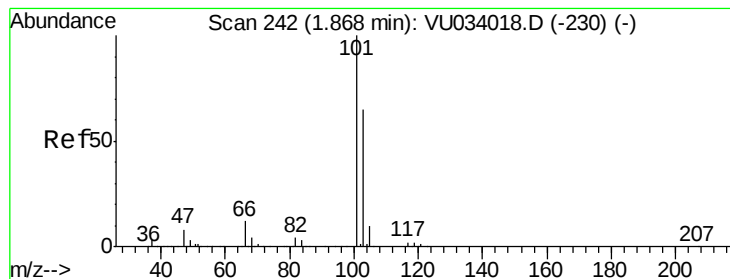
66 31.3 25.5 38.3



Abundance Ion 63.90 (63.60 to 64.60): VU0

Ion 65.90 (65.60 to 66.60): VU0



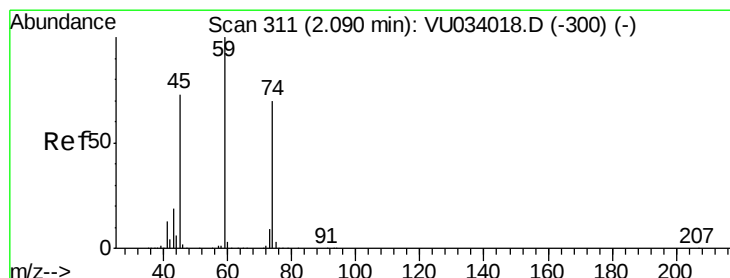
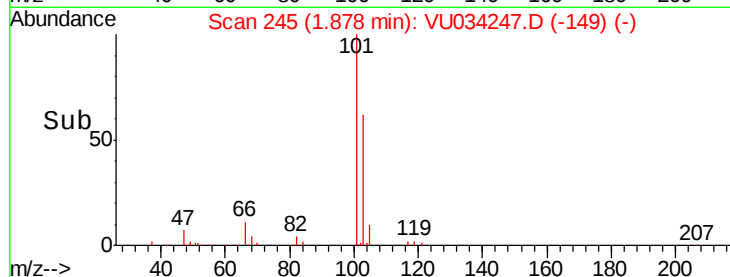
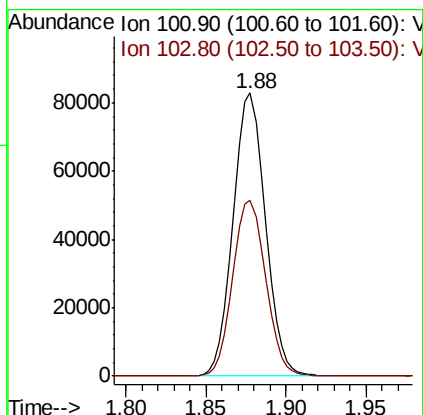
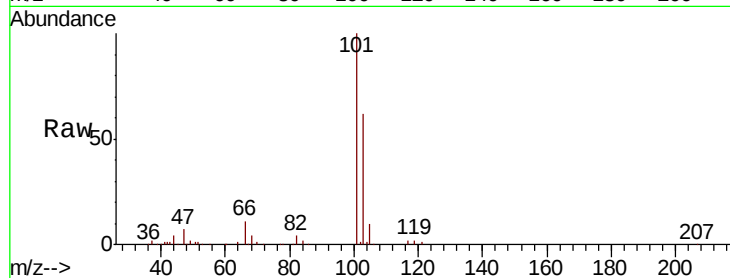


#7

Trichlorofluoromethane
 Concen: 19.191 ug/l
 RT: 1.88 min Scan# 245
 Delta R.T. 0.01 min
 Lab File: VU034247.D
 Acq: 04 Sep 2019 11:05

Instrument :
 MSVOA_U
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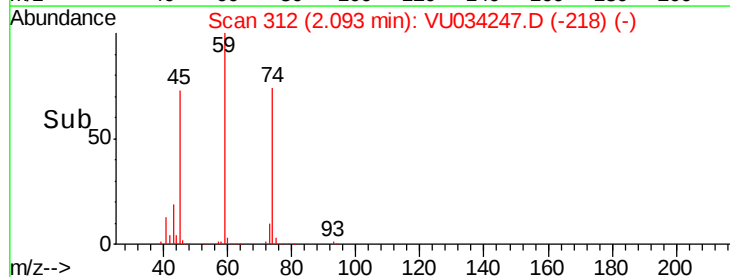
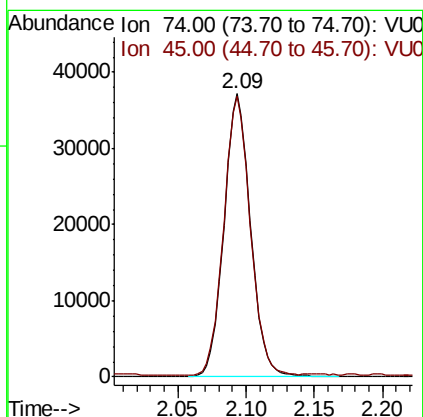
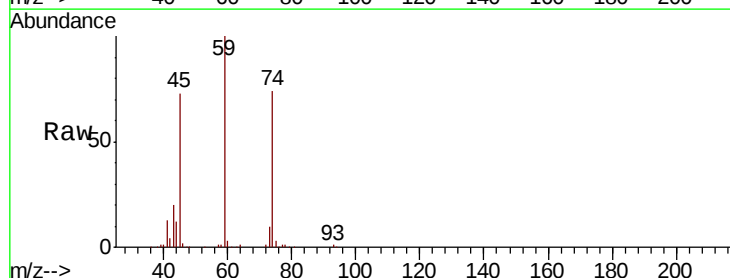
Tgt Ion:101 Resp: 113882
 Ion Ratio Lower Upper
 101 100
 103 62.1 52.1 78.1

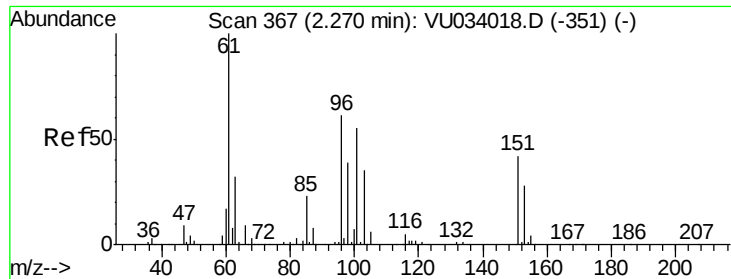


#8

Diethyl Ether
 Concen: 19.829 ug/l
 RT: 2.09 min Scan# 312
 Delta R.T. 0.00 min
 Lab File: VU034247.D
 Acq: 04 Sep 2019 11:05

Tgt Ion: 74 Resp: 50339
 Ion Ratio Lower Upper
 74 100
 45 98.6 51.8 155.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.319 ug/l

RT: 2.27 min Scan# 368

Delta R.T. 0.00 min

Lab File: VU034247.D

Acq: 04 Sep 2019 11:05

Instrument :

MSVOA_U

ClientSampleId :

VU0905WBS01

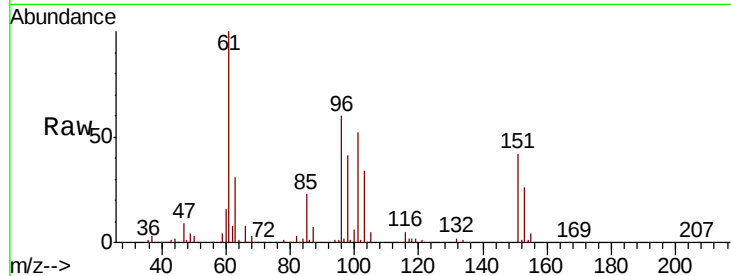
Tgt Ion:101 Resp: 72627

Ion Ratio Lower Upper

101 100

85 44.0 34.2 51.2

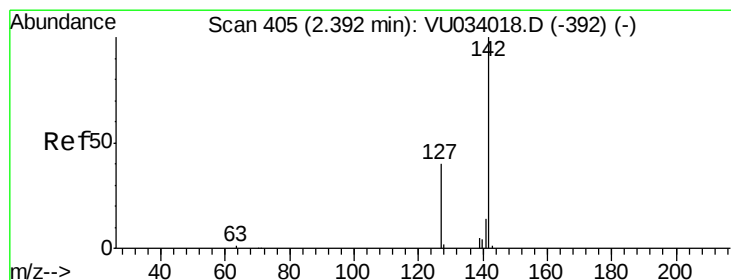
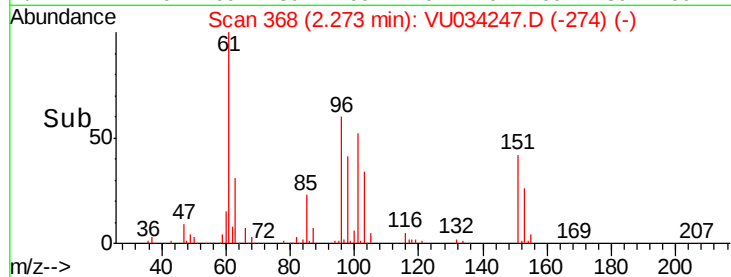
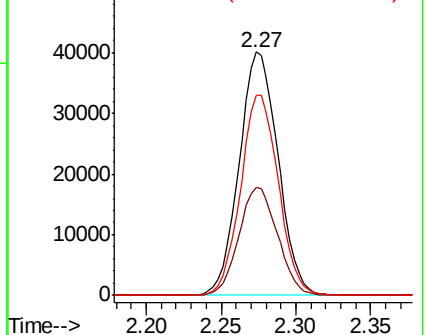
151 79.9 61.4 92.2



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: 9.595 ug/l

RT: 2.40 min Scan# 407

Delta R.T. 0.01 min

Lab File: VU034247.D

Acq: 04 Sep 2019 11:05

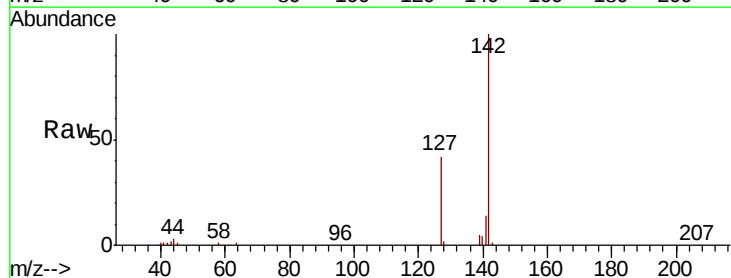
Tgt Ion:142 Resp: 51170

Ion Ratio Lower Upper

142 100

127 39.8 32.6 48.8

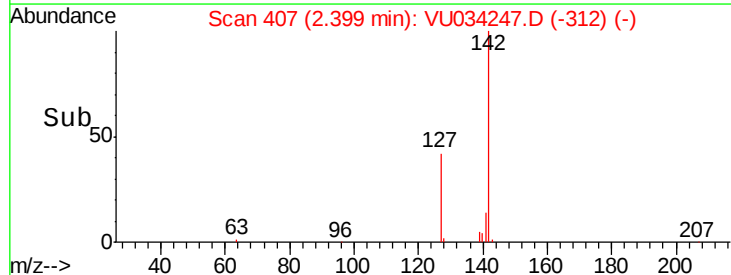
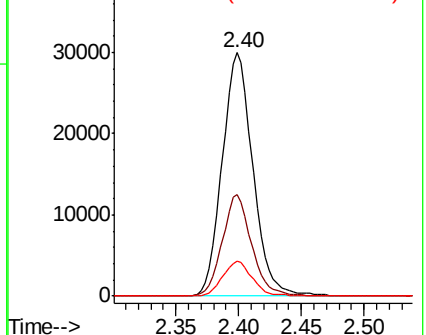
141 13.7 11.3 16.9

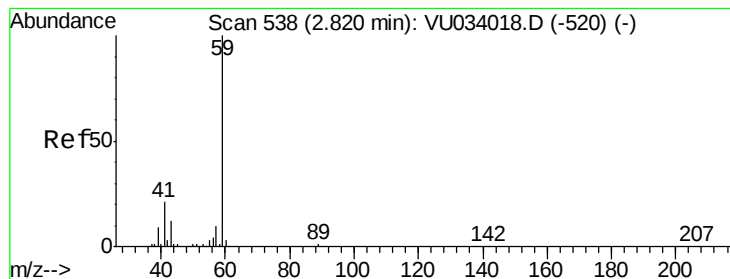


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



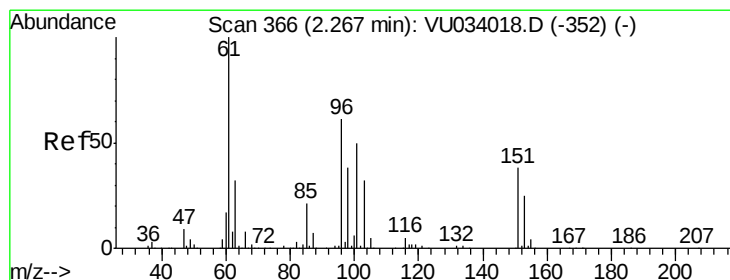
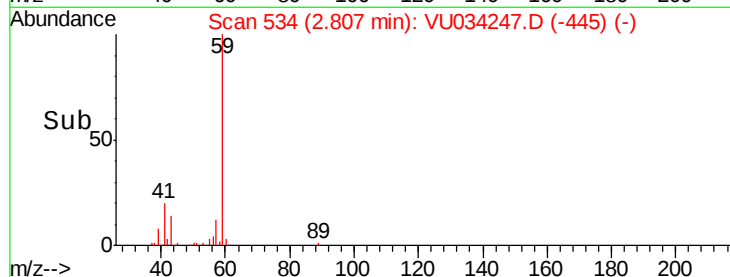
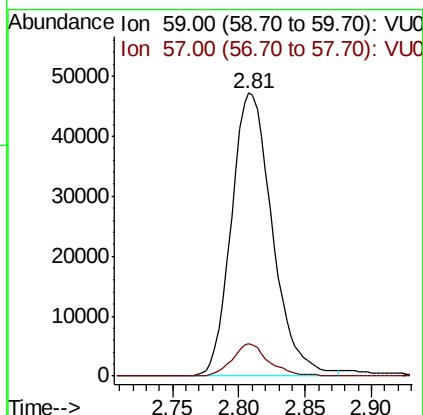
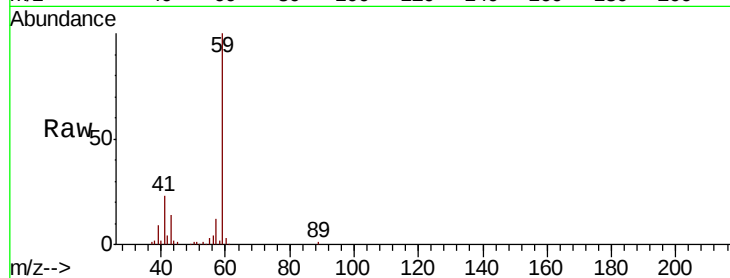


#11

Tert butyl alcohol
 Concen: 89.873 ug/l
 RT: 2.81 min Scan# 534
 Delta R.T. -0.01 min
 Lab File: VU034247.D
 Acq: 04 Sep 2019 11:05

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0905WBS01

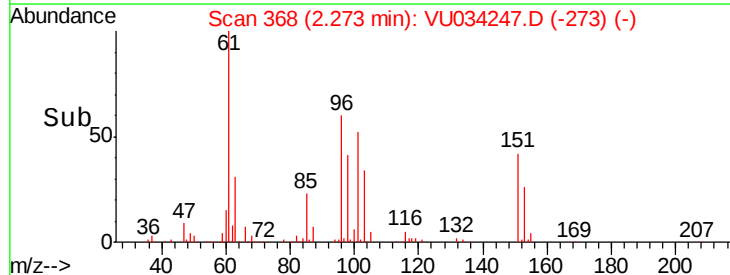
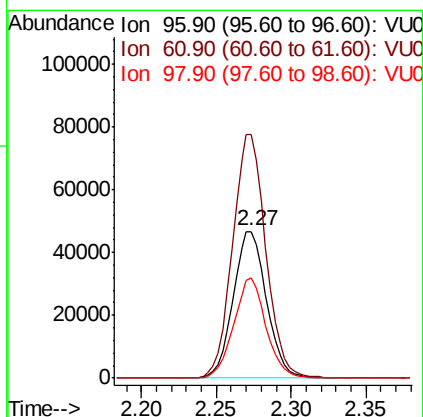
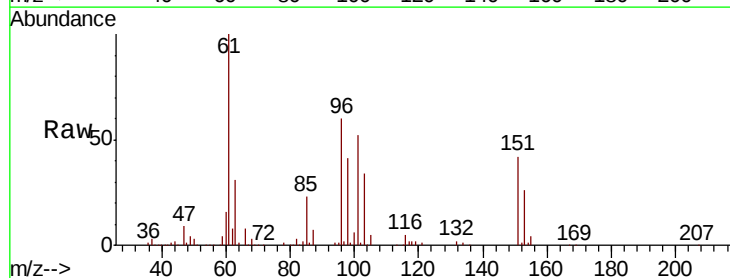
Tgt Ion: 59 Resp: 101606
 Ion Ratio Lower Upper
 59 100
 57 10.3 8.0 12.0

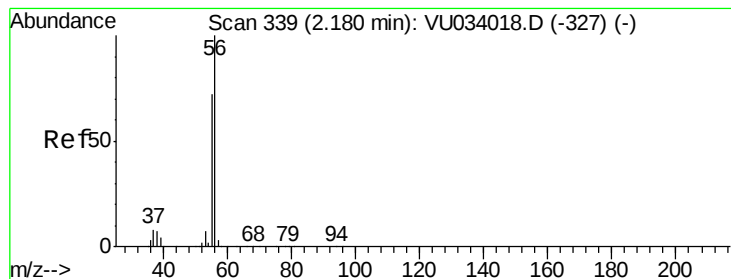


#12

1,1-Dichloroethene
 Concen: 18.888 ug/l
 RT: 2.27 min Scan# 368
 Delta R.T. 0.01 min
 Lab File: VU034247.D
 Acq: 04 Sep 2019 11:05

Tgt Ion: 96 Resp: 72347
 Ion Ratio Lower Upper
 96 100
 61 165.8 131.3 196.9
 98 68.0 50.3 75.5





#13

Acrolein

Concen: 50.116 ug/l

RT: 2.18 min Scan# 340

Delta R.T. 0.00 min

Lab File: VU034247.D

Acq: 04 Sep 2019 11:05

Instrument :

MSVOA_U

ClientSampleId :

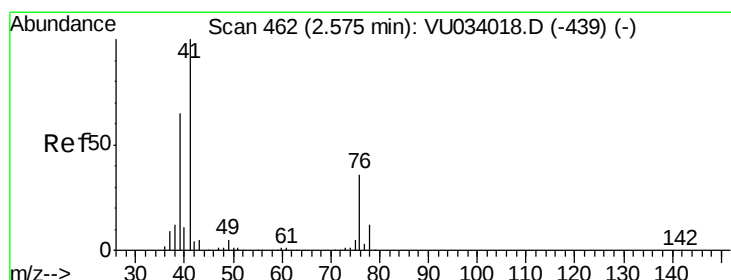
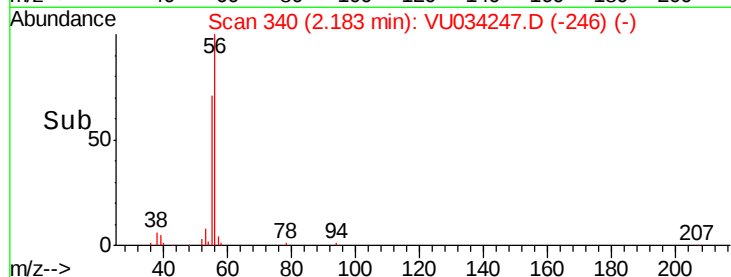
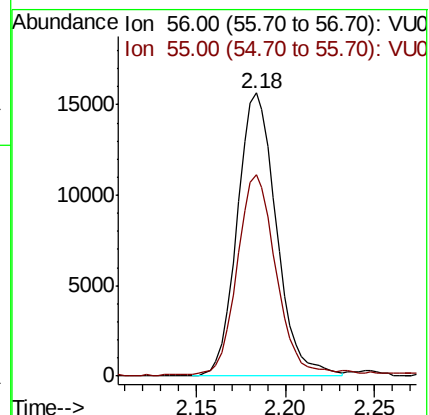
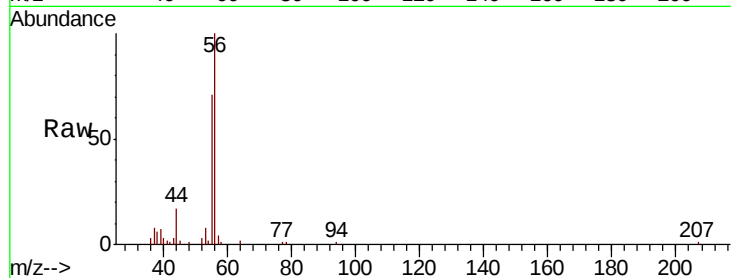
VU0905WBS01

Tgt Ion: 56 Resp: 23835

Ion Ratio Lower Upper

56 100

55 69.3 57.1 85.7



#14

Allyl chloride

Concen: 16.754 ug/l

RT: 2.58 min Scan# 463

Delta R.T. 0.00 min

Lab File: VU034247.D

Acq: 04 Sep 2019 11:05

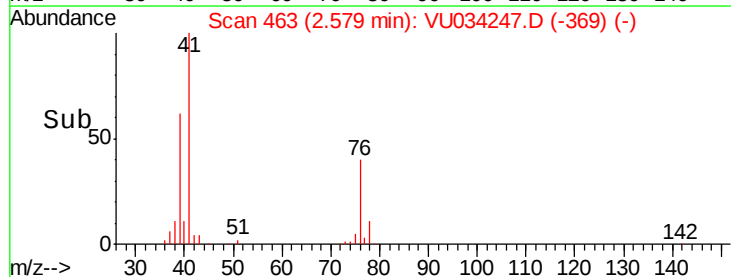
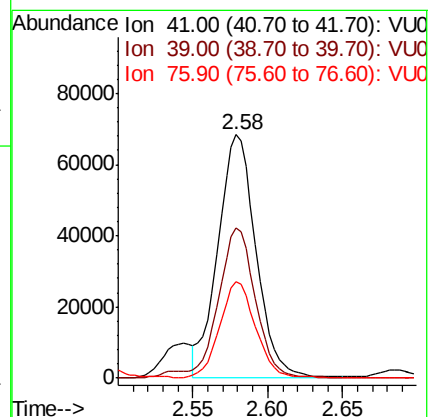
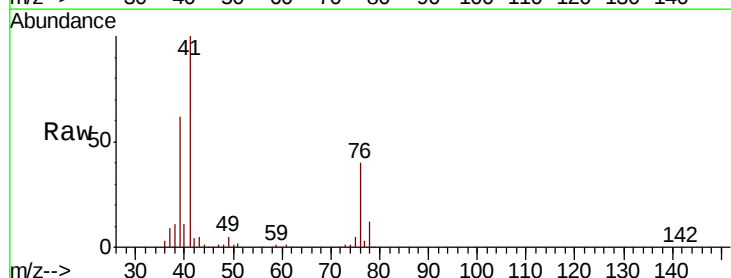
Tgt Ion: 41 Resp: 120655

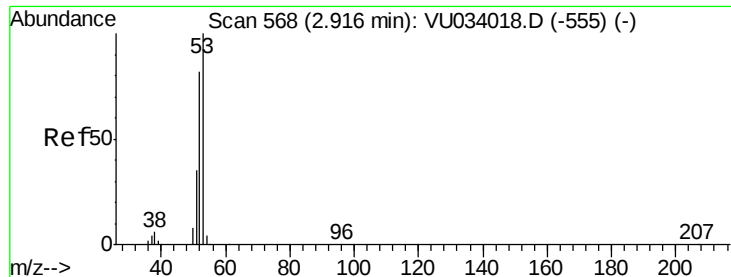
Ion Ratio Lower Upper

41 100

39 61.9 46.8 70.2

76 37.1 26.6 40.0





#15

Acrylonitrile

Concen: 99.593 ug/l

RT: 2.92 min Scan# 568

Delta R.T. 0.00 min

Lab File: VU034247.D

Acq: 04 Sep 2019 11:05

Instrument :

MSVOA_U

ClientSampleId :

VU0905WBS01

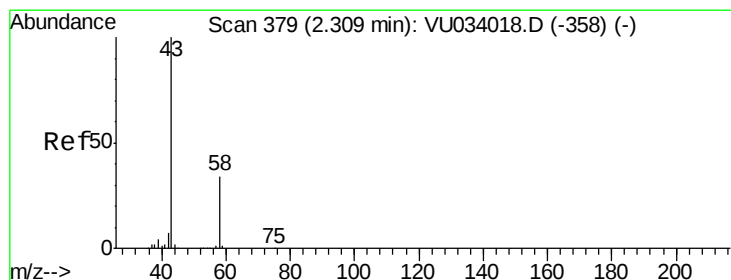
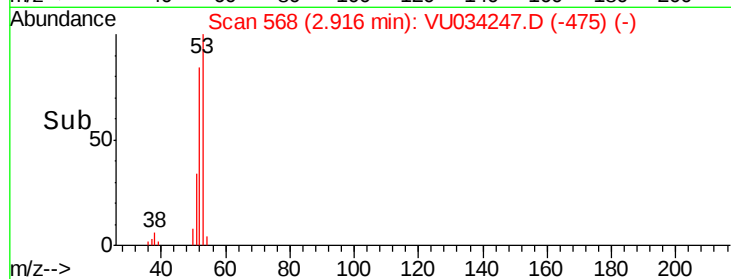
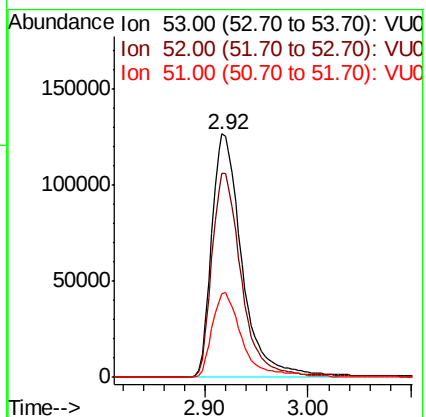
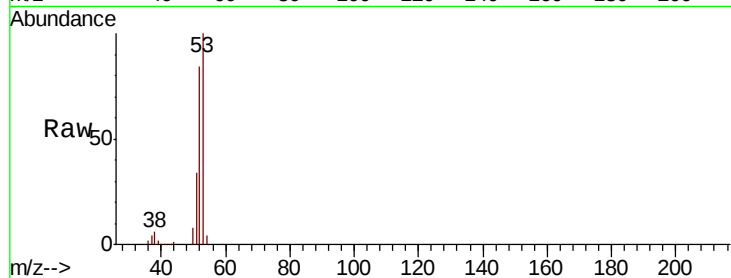
Tgt Ion: 53 Resp: 258372

Ion Ratio Lower Upper

53 100

52 81.9 65.7 98.5

51 34.9 27.9 41.9



#16

Acetone

Concen: 96.273 ug/l

RT: 2.31 min Scan# 379

Delta R.T. 0.00 min

Lab File: VU034247.D

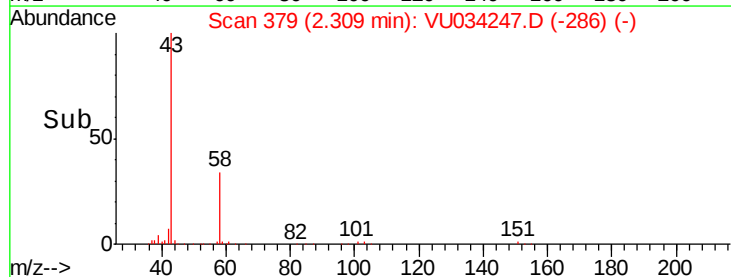
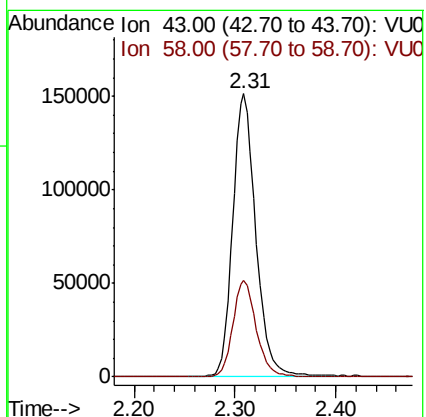
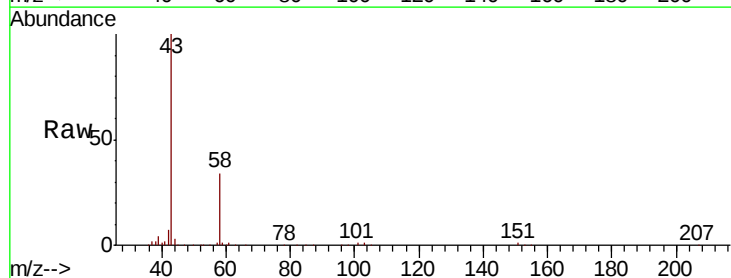
Acq: 04 Sep 2019 11:05

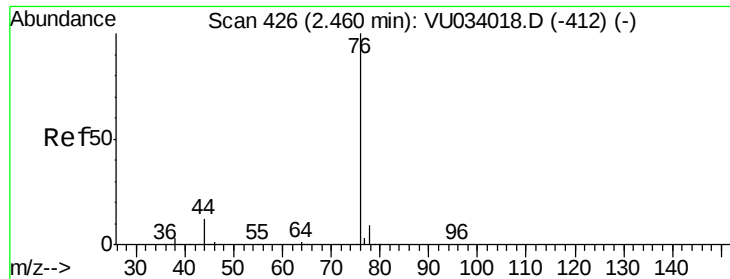
Tgt Ion: 43 Resp: 240827

Ion Ratio Lower Upper

43 100

58 34.3 26.8 40.2

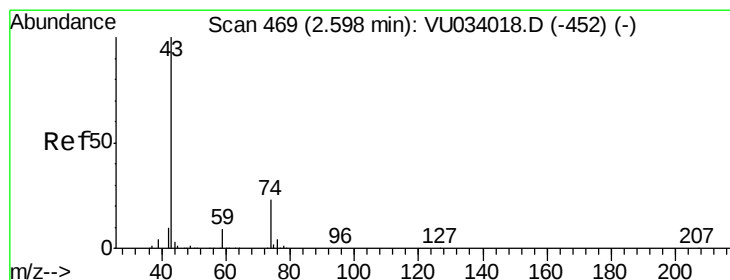
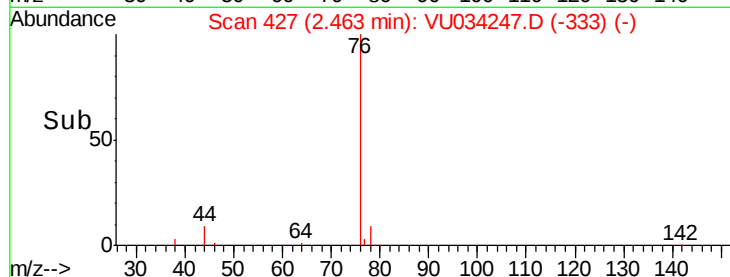
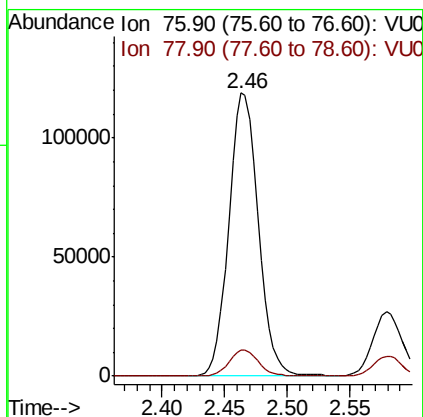
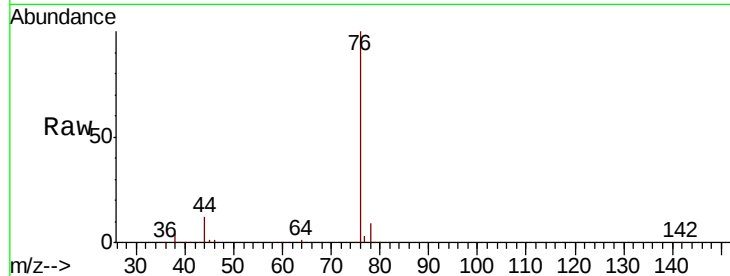




#17
Carbon Disulfide
Concen: 15.990 ug/l
RT: 2.46 min Scan# 427
Delta R.T. 0.00 min
Lab File: VU034247.D
Acq: 04 Sep 2019 11:05

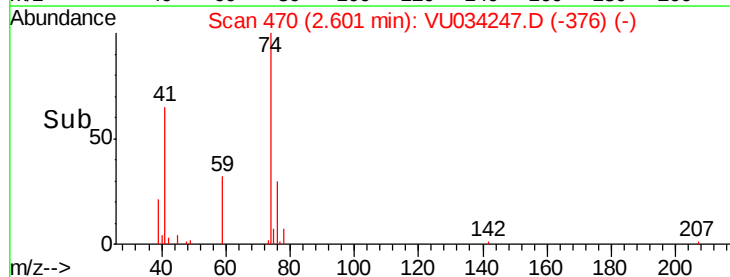
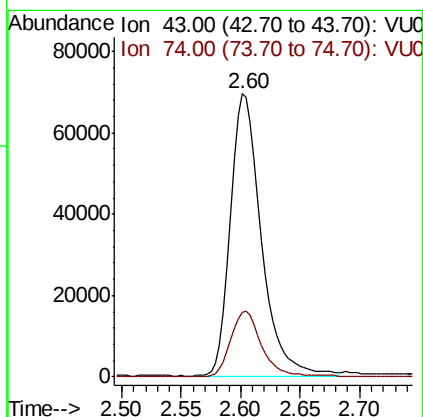
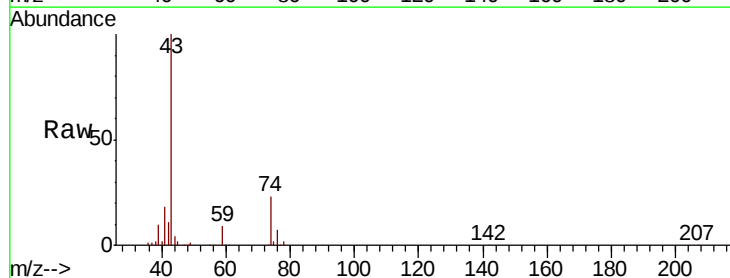
Instrument :
MSVOA_U
ClientSampleId :
VU0905WBS01

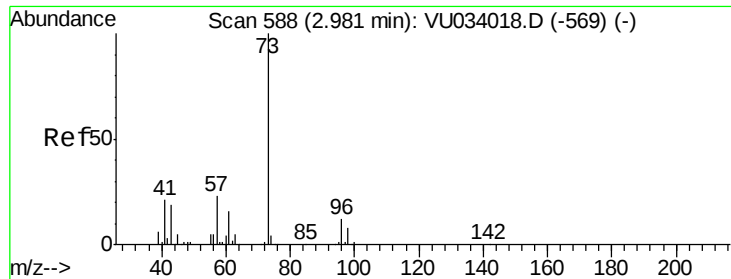
Tgt Ion: 76 Resp: 193838
Ion Ratio Lower Upper
76 100
78 9.1 7.1 10.7



#18
Methyl Acetate
Concen: 19.338 ug/l
RT: 2.60 min Scan# 470
Delta R.T. 0.00 min
Lab File: VU034247.D
Acq: 04 Sep 2019 11:05

Tgt Ion: 43 Resp: 125009
Ion Ratio Lower Upper
43 100
74 23.3 19.2 28.8

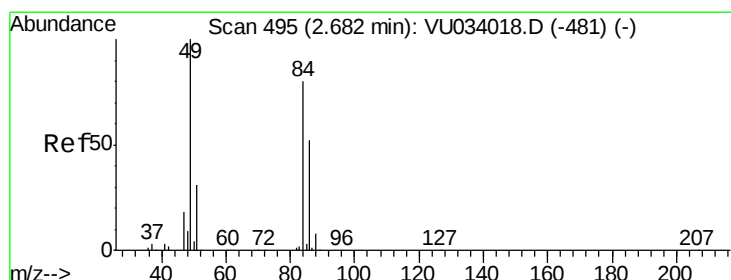
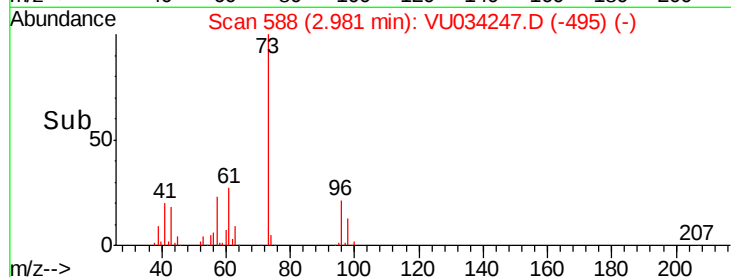
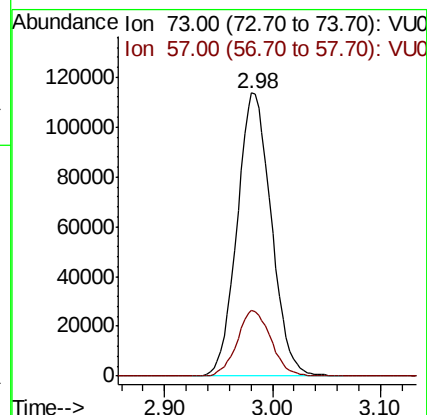
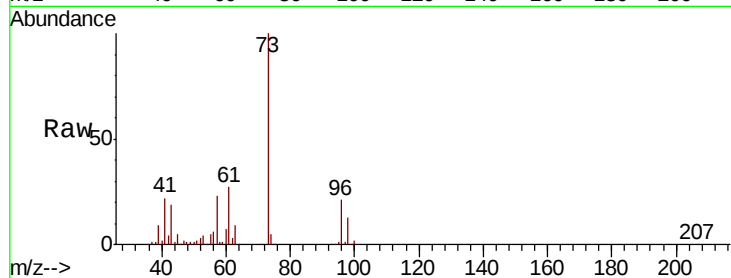




#19
Methyl tert-butyl Ether
Concen: 19.964 ug/l
RT: 2.98 min Scan# 588
Delta R.T. 0.00 min
Lab File: VU034247.D
Acq: 04 Sep 2019 11:05

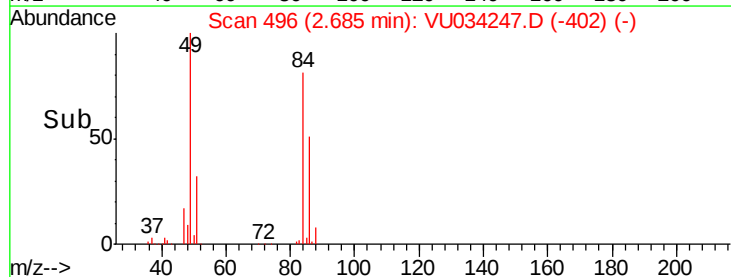
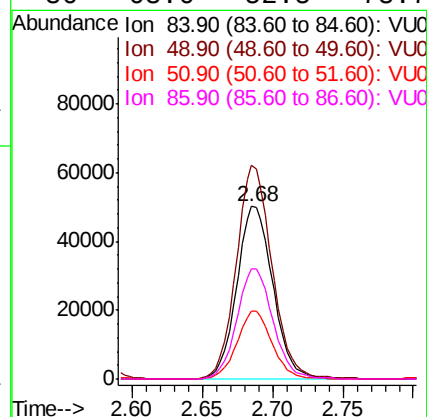
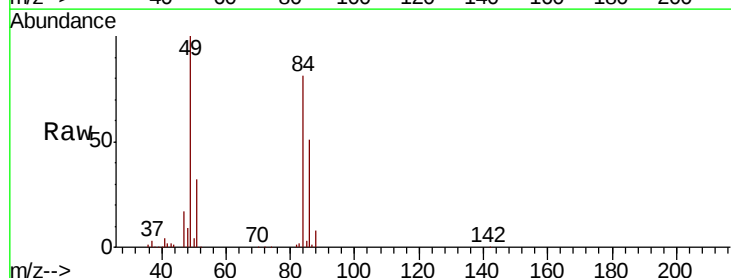
Instrument :
MSVOA_U
ClientSampleId :
VU0905WBS01

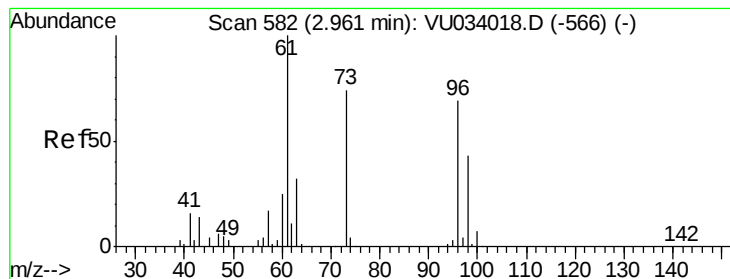
Tgt Ion: 73 Resp: 250549
Ion Ratio Lower Upper
73 100
57 23.1 18.3 27.5



#20
Methylene Chloride
Concen: 19.035 ug/l
RT: 2.68 min Scan# 495
Delta R.T. 0.00 min
Lab File: VU034247.D
Acq: 04 Sep 2019 11:05

Tgt Ion: 84 Resp: 90142
Ion Ratio Lower Upper
84 100
49 123.7 100.2 150.4
51 39.5 30.8 46.2
86 63.6 52.5 78.7





#21

trans-1,2-Dichloroethene

Concen: 18.846 ug/l

RT: 2.97 min Scan# 584

Delta R.T. 0.01 min

Lab File: VU034247.D

Acq: 04 Sep 2019 11:05

Instrument :

MSVOA_U

ClientSampleId :

VU0905WBS01

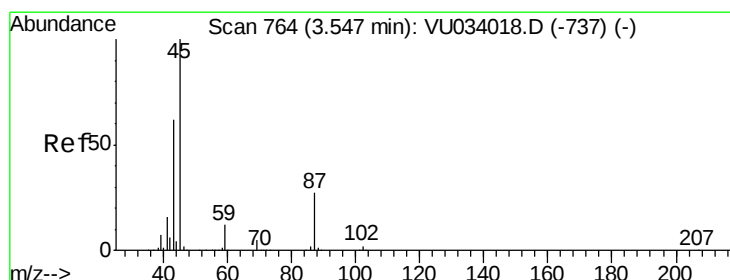
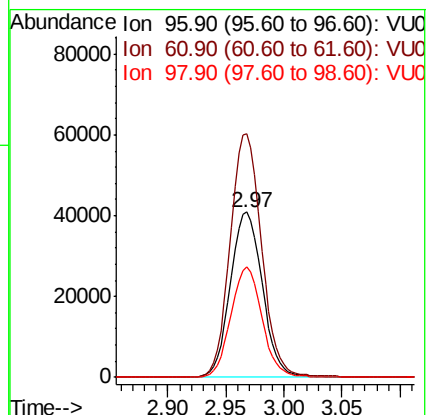
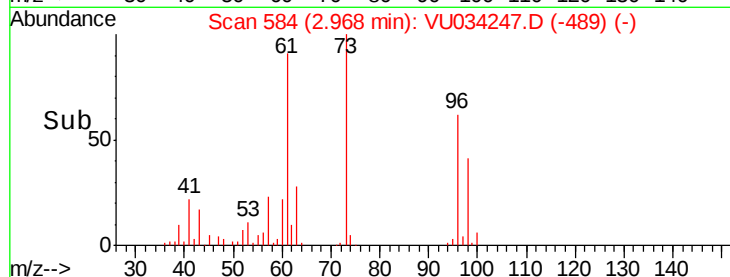
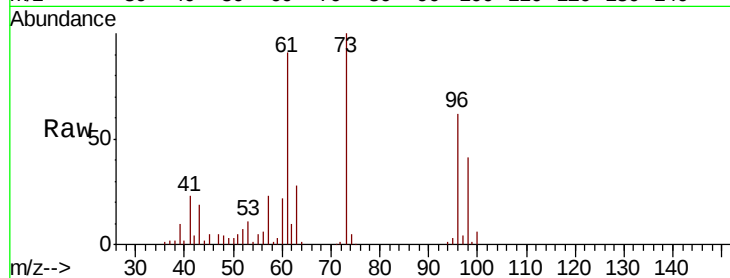
Tgt Ion: 96 Resp: 78342

Ion Ratio Lower Upper

96 100

61 147.6 115.5 173.3

98 66.8 50.1 75.1



#22

Diisopropyl ether

Concen: 20.204 ug/l

RT: 3.55 min Scan# 765

Delta R.T. 0.00 min

Lab File: VU034247.D

Acq: 04 Sep 2019 11:05

Tgt Ion: 45 Resp: 266624

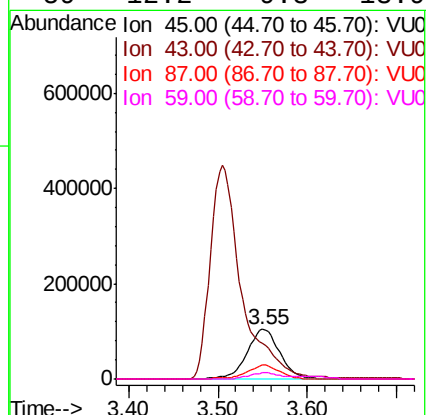
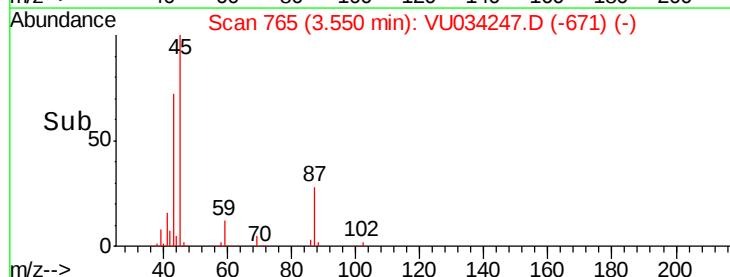
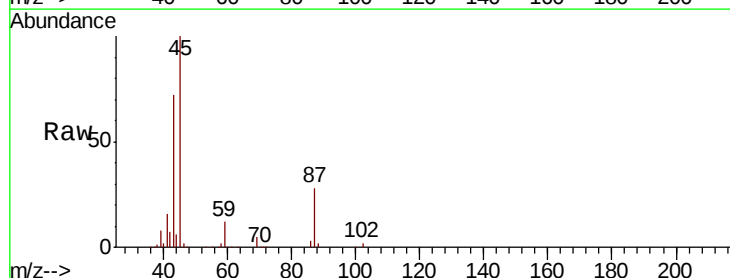
Ion Ratio Lower Upper

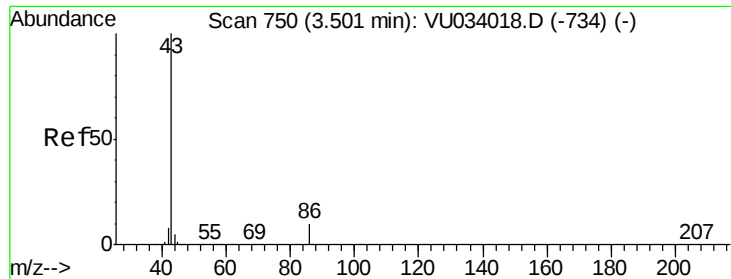
45 100

43 71.3 49.7 74.5

87 27.6 21.8 32.8

59 12.2 9.3 13.9





#23

Vinyl Acetate

Concen: 96.946 ug/l

RT: 3.50 min Scan# 751

Delta R.T. 0.00 min

Lab File: VU034247.D

Acq: 04 Sep 2019 11:05

Instrument :

MSVOA_U

ClientSampleId :

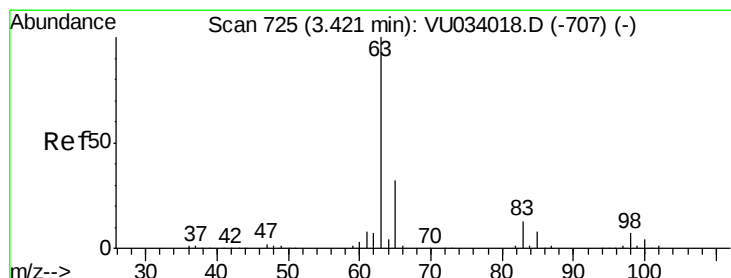
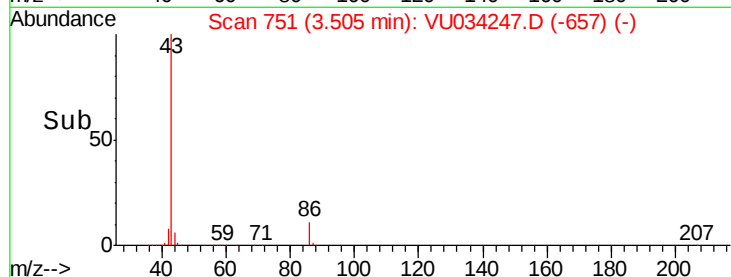
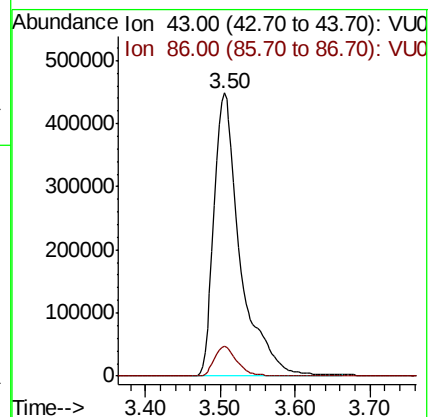
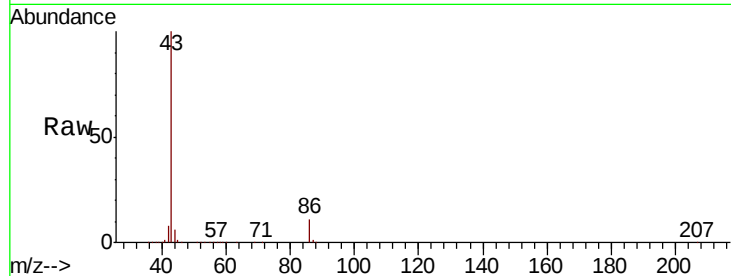
VU0905WBS01

Tgt Ion: 43 Resp: 1098989

Ion Ratio Lower Upper

43 100

86 10.6 8.3 12.5



#24

1,1-Dichloroethane

Concen: 19.757 ug/l

RT: 3.43 min Scan# 727

Delta R.T. 0.01 min

Lab File: VU034247.D

Acq: 04 Sep 2019 11:05

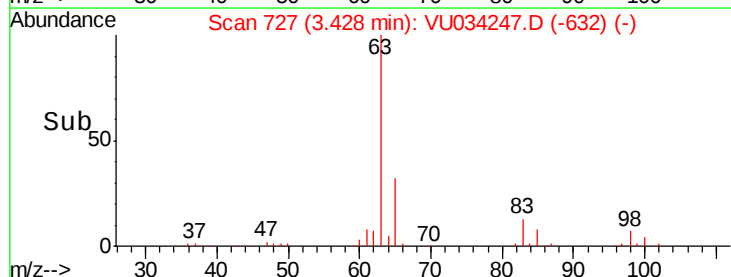
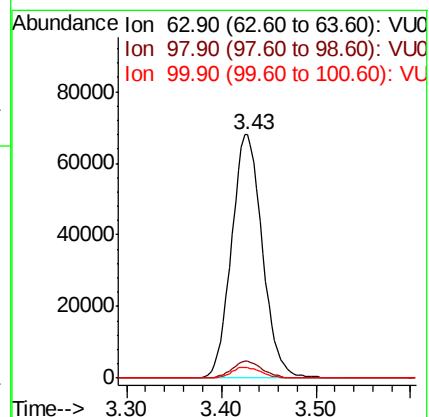
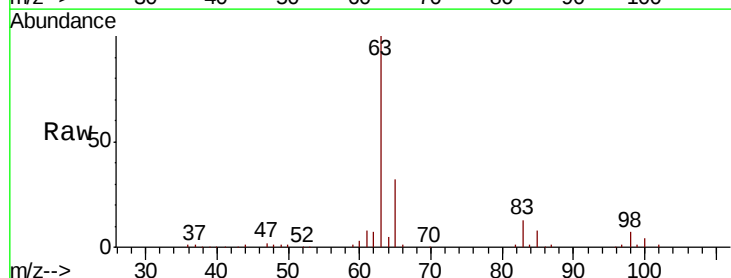
Tgt Ion: 63 Resp: 153930

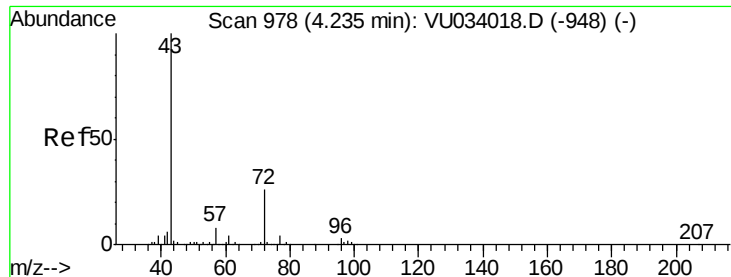
Ion Ratio Lower Upper

63 100

98 6.9 3.3 9.8

100 4.4 2.0 6.0





#25

2-Butanone

Concen: 100.012 ug/l

RT: 4.24 min Scan# 979

Delta R.T. 0.00 min

Lab File: VU034247.D

Acq: 04 Sep 2019 11:05

Instrument :

MSVOA_U

ClientSampleId :

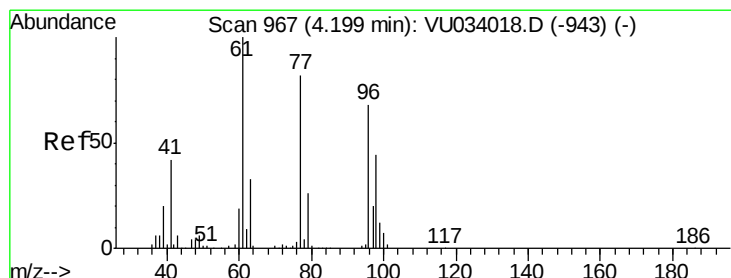
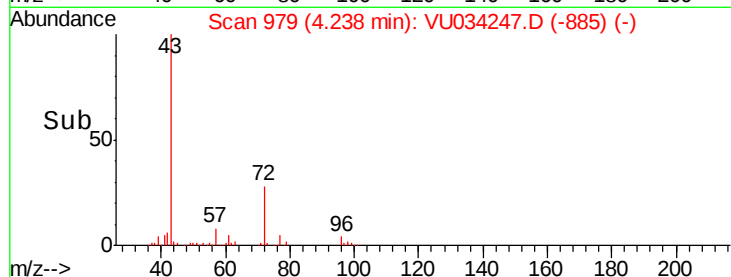
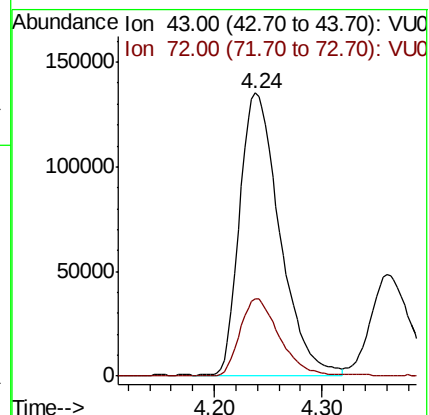
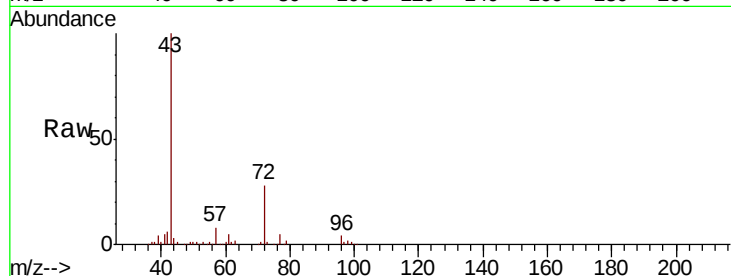
VU0905WBS01

Tgt Ion: 43 Resp: 348067

Ion Ratio Lower Upper

43 100

72 27.5 21.2 31.8



#26

2,2-Dichloropropane

Concen: 19.222 ug/l

RT: 4.20 min Scan# 968

Delta R.T. 0.00 min

Lab File: VU034247.D

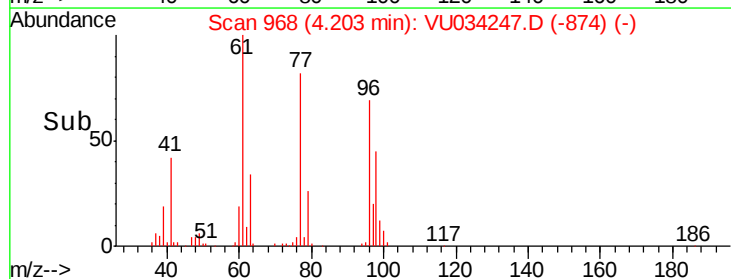
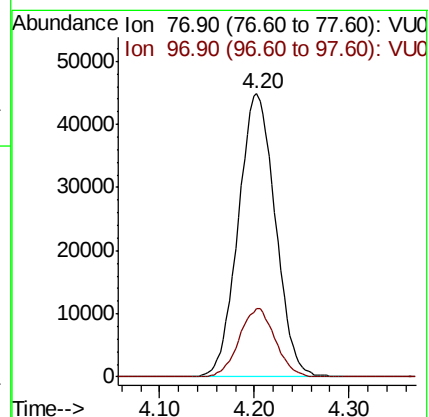
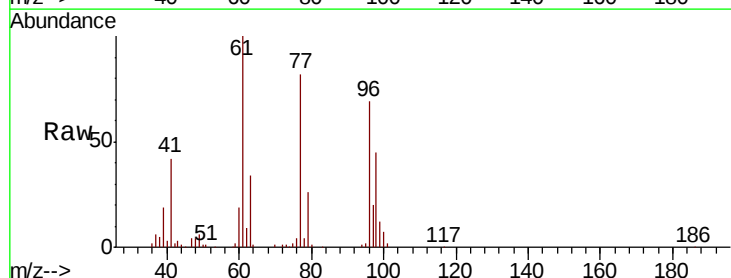
Acq: 04 Sep 2019 11:05

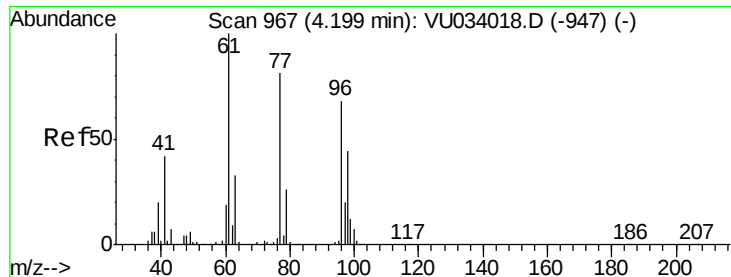
Tgt Ion: 77 Resp: 121862

Ion Ratio Lower Upper

77 100

97 23.4 11.6 34.7



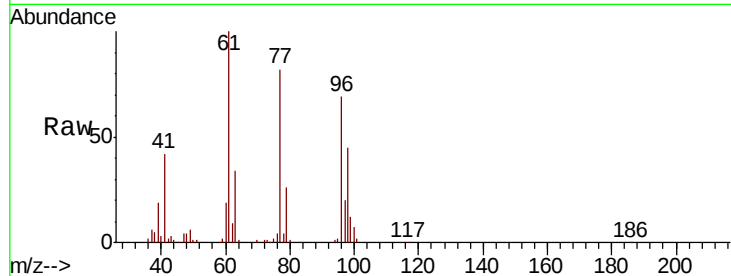


#27

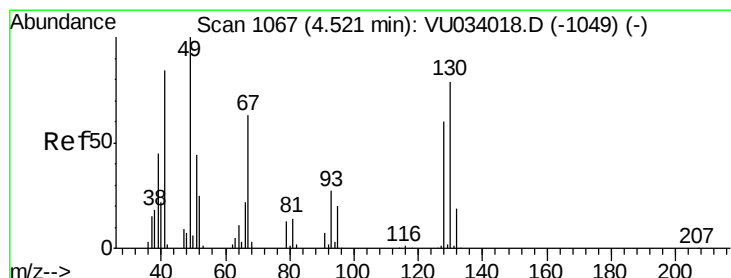
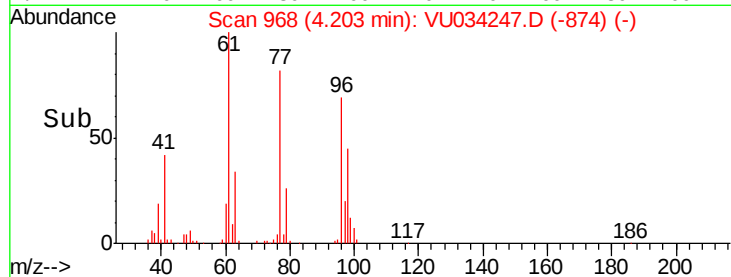
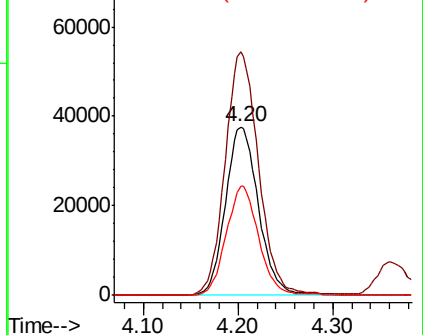
cis-1,2-Dichloroethene
 Concen: 19.573 ug/l
 RT: 4.20 min Scan# 968
 Delta R.T. 0.00 min
 Lab File: VU034247.D
 Acq: 04 Sep 2019 11:05

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0905WBS01

Tgt Ion: 96 Resp: 91324
 Ion Ratio Lower Upper
 96 100
 61 146.2 0.0 303.0
 98 63.6 0.0 129.2



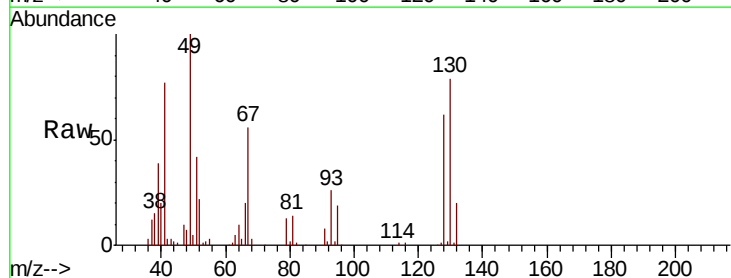
Abundance Ion 95.90 (95.60 to 96.60): VU0
 Ion 60.90 (60.60 to 61.60): VU0
 Ion 97.90 (97.60 to 98.60): VU0



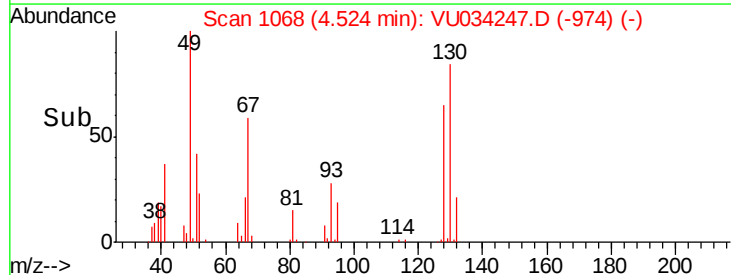
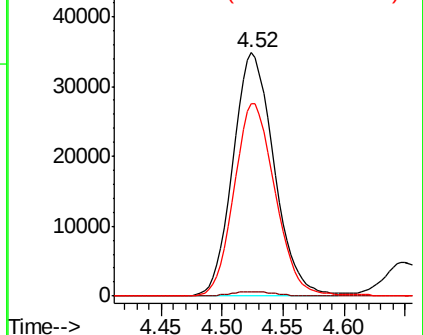
#28

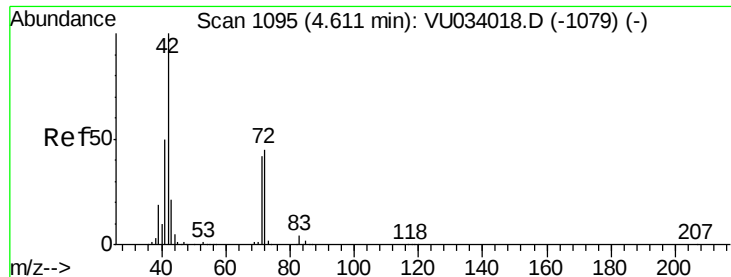
Bromochloromethane
 Concen: 21.261 ug/l
 RT: 4.52 min Scan# 1068
 Delta R.T. 0.00 min
 Lab File: VU034247.D
 Acq: 04 Sep 2019 11:05

Tgt Ion: 49 Resp: 81608
 Ion Ratio Lower Upper
 49 100
 129 1.9 0.0 3.6
 130 79.2 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

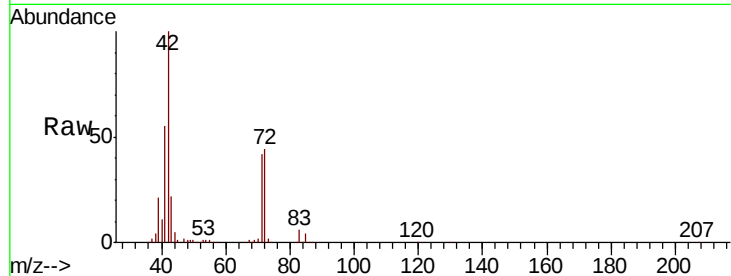




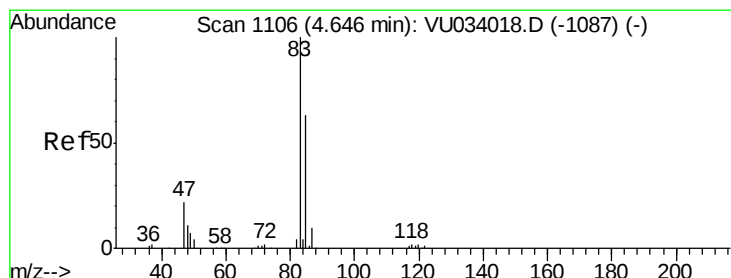
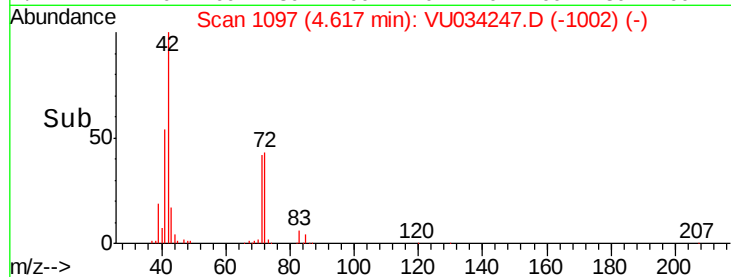
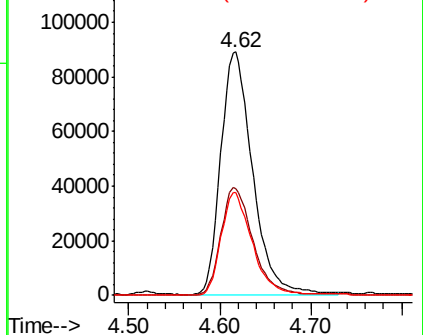
#29
Tetrahydrofuran
Concen: 100.908 ug/l
RT: 4.62 min Scan# 1097
Delta R.T. 0.01 min
Lab File: VU034247.D
Acq: 04 Sep 2019 11:05

Instrument :
MSVOA_U
ClientSampleId :
VU0905WBS01

Tgt Ion: 42 Resp: 216575
Ion Ratio Lower Upper
42 100
72 44.9 35.8 53.6
71 41.4 34.0 51.0

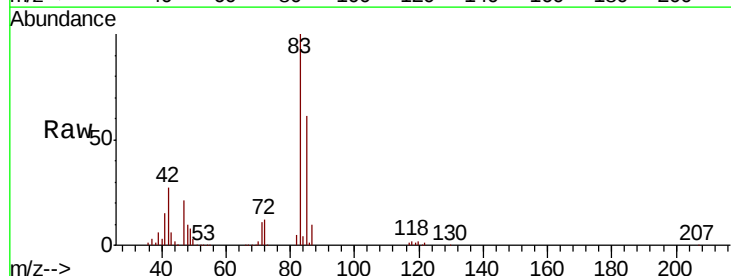


Abundance Ion 42.00 (41.70 to 42.70): VU0
Ion 72.00 (71.70 to 72.70): VU0
Ion 71.00 (70.70 to 71.70): VU0

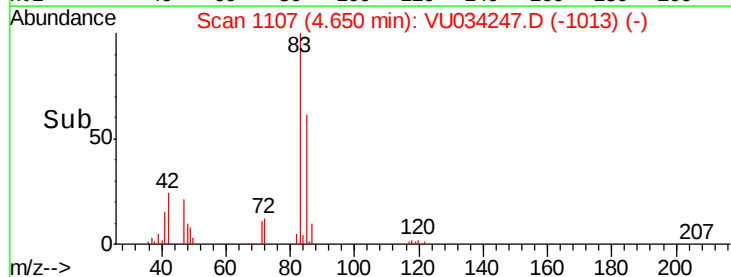
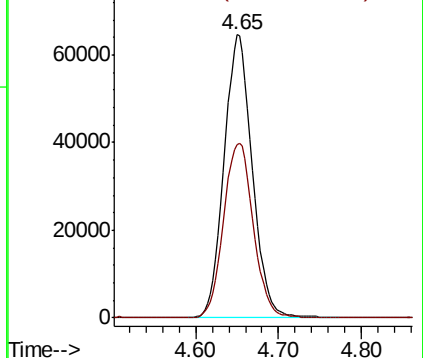


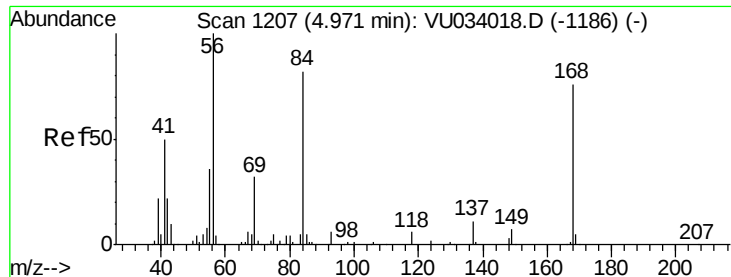
#30
Chloroform
Concen: 19.670 ug/l
RT: 4.65 min Scan# 1107
Delta R.T. 0.00 min
Lab File: VU034247.D
Acq: 04 Sep 2019 11:05

Tgt Ion: 83 Resp: 152902
Ion Ratio Lower Upper
83 100
85 61.0 50.7 76.1



Abundance Ion 82.90 (82.60 to 83.60): VU0
Ion 84.90 (84.60 to 85.60): VU0

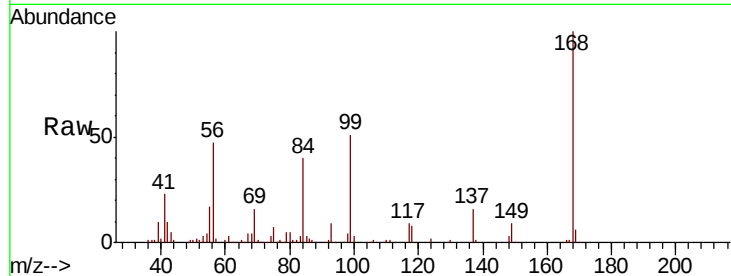




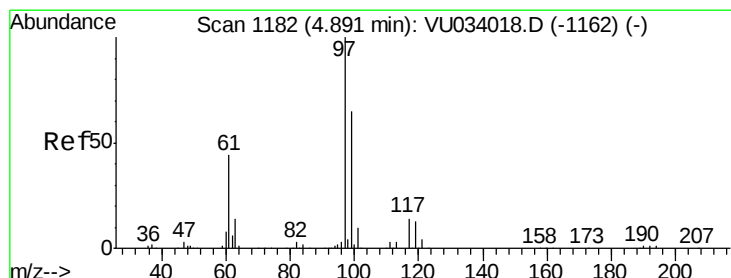
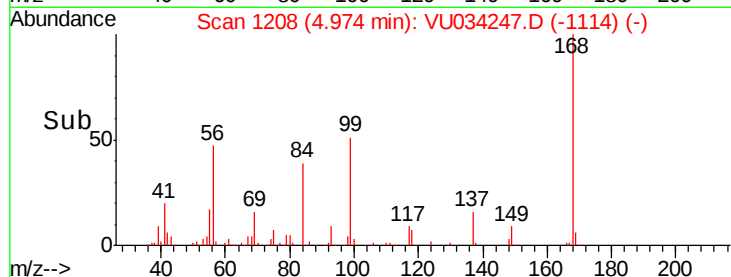
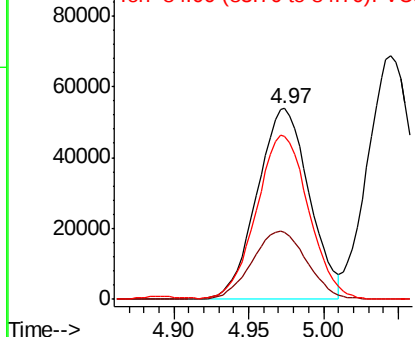
#31
Cyclohexane
Concen: 17.792 ug/l
RT: 4.97 min Scan# 1208
Delta R.T. 0.00 min
Lab File: VU034247.D
Acq: 04 Sep 2019 11:05

Instrument :
MSVOA_U
ClientSampleId :
VU0905WBS01

Tgt Ion: 56 Resp: 130251
Ion Ratio Lower Upper
56 100
69 35.1 25.4 38.0
84 84.3 65.8 98.8

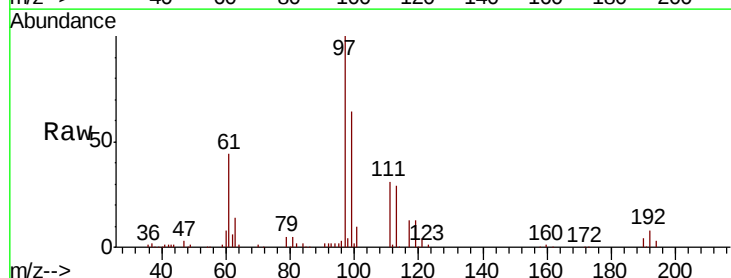


Abundance Ion 56.00 (55.70 to 56.70): VU0
Ion 69.00 (68.70 to 69.70): VU0
Ion 84.00 (83.70 to 84.70): VU0

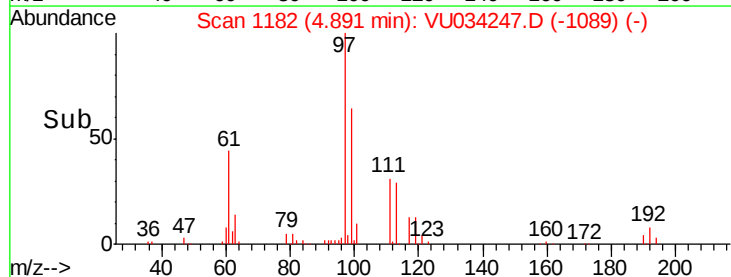
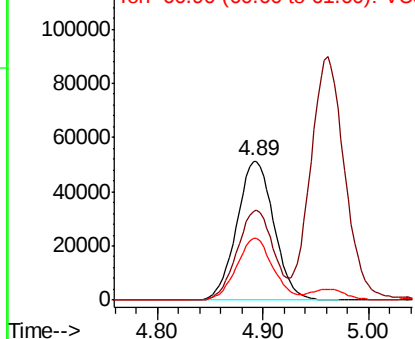


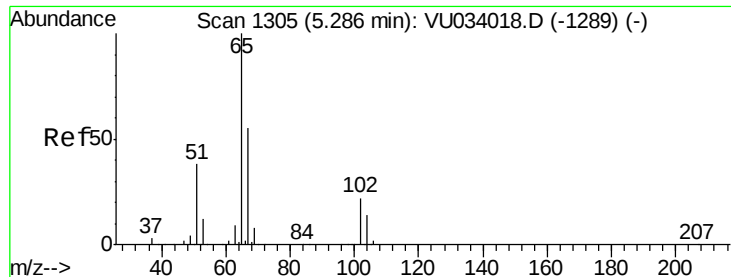
#32
1,1,1-Trichloroethane
Concen: 19.717 ug/l
RT: 4.89 min Scan# 1182
Delta R.T. 0.00 min
Lab File: VU034247.D
Acq: 04 Sep 2019 11:05

Tgt Ion: 97 Resp: 125528
Ion Ratio Lower Upper
97 100
99 62.9 51.8 77.6
61 43.6 35.3 52.9



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





#33

1,2-Dichloroethane-d4

Concen: 49.533 ug/l

RT: 5.29 min Scan# 1305

Delta R.T. 0.00 min

Lab File: VU034247.D

Acq: 04 Sep 2019 11:05

Instrument :

MSVOA_U

ClientSampleId :

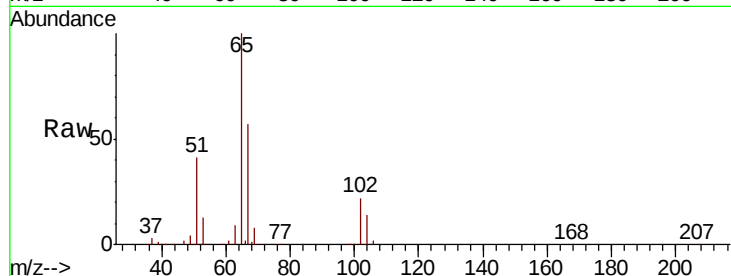
VU0905WBS01

Tgt Ion: 65 Resp: 242836

Ion Ratio Lower Upper

65 100

67 55.9 0.0 110.6



Abundance Ion 64.90 (64.60 to 65.60): VU034018.D (-1289) (-)

Ion 66.90 (66.60 to 67.60): VU034018.D (-1289) (-)

5.29

120000

100000

80000

60000

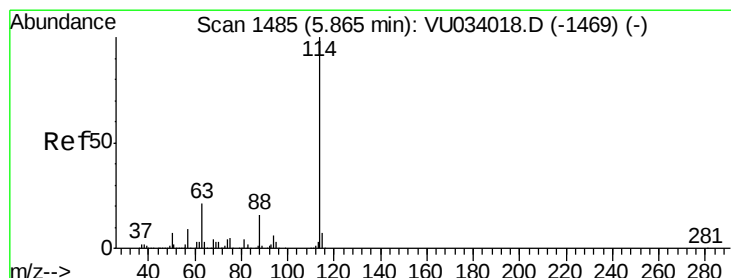
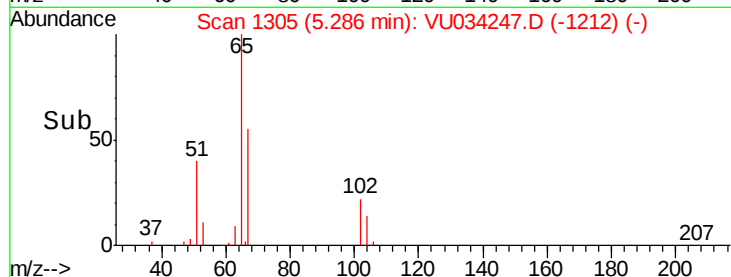
40000

20000

0

5.20 5.25 5.30 5.35 5.40

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.86 min Scan# 1485

Delta R.T. 0.00 min

Lab File: VU034247.D

Acq: 04 Sep 2019 11:05

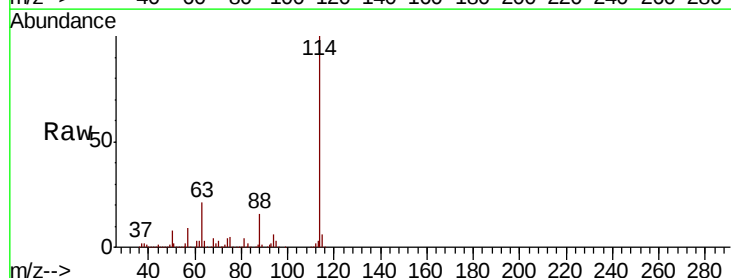
Tgt Ion: 114 Resp: 599419

Ion Ratio Lower Upper

114 100

63 20.9 0.0 42.0

88 15.7 0.0 32.0



Abundance Ion 113.90 (113.60 to 114.60): VU034018.D (-1469) (-)

Ion 63.00 (62.70 to 63.70): VU034018.D (-1469) (-)

Ion 87.90 (87.60 to 88.60): VU034018.D (-1469) (-)

5.86

400000

300000

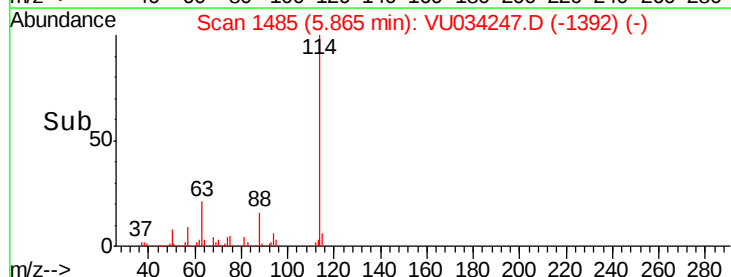
200000

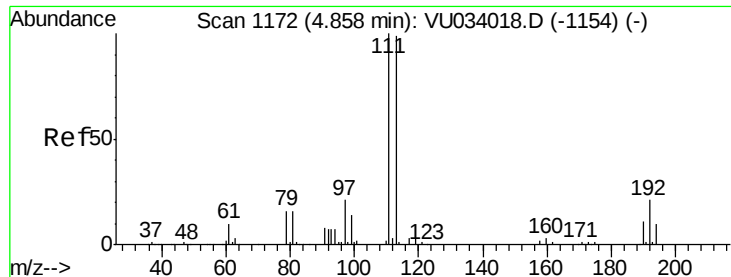
100000

0

5.80 5.90 6.00

Time-->

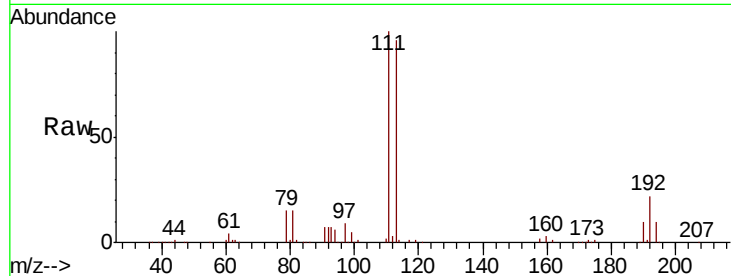




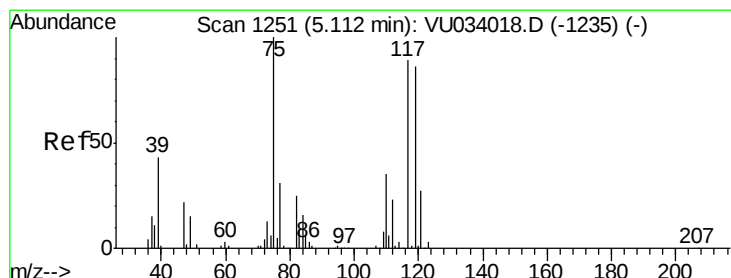
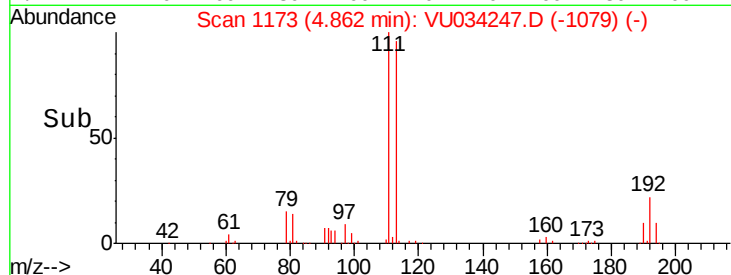
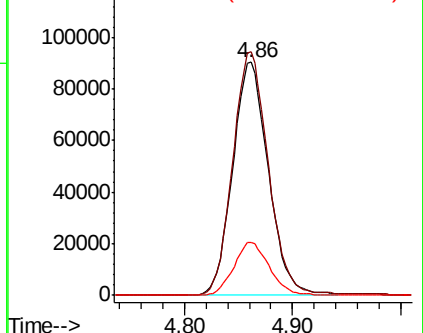
#35
 Dibromofluoromethane
 Concen: 50.137 ug/l
 RT: 4.86 min Scan# 1173
 Delta R.T. 0.00 min
 Lab File: VU034247.D
 Acq: 04 Sep 2019 11:05

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0905WBS01

Tgt Ion: 113 Resp: 208445
 Ion Ratio Lower Upper
 113 100
 111 103.7 81.7 122.5
 192 22.6 17.1 25.7

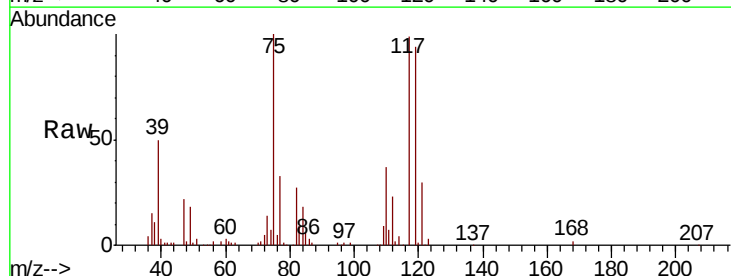


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

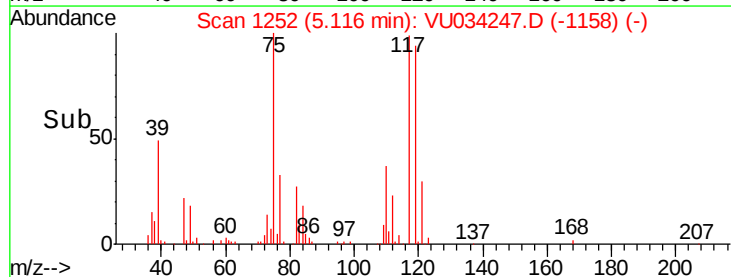
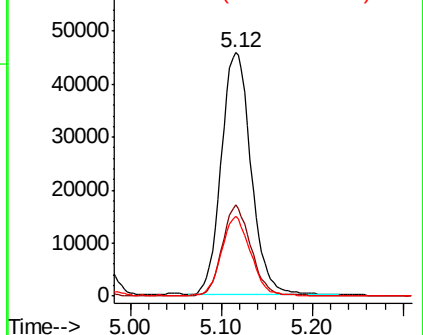


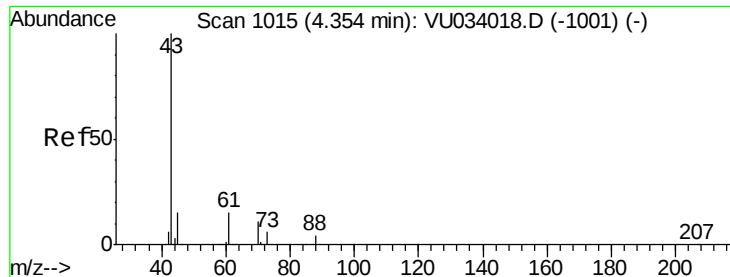
#36
 1,1-Dichloropropene
 Concen: 18.350 ug/l
 RT: 5.12 min Scan# 1252
 Delta R.T. 0.00 min
 Lab File: VU034247.D
 Acq: 04 Sep 2019 11:05

Tgt Ion: 75 Resp: 104042
 Ion Ratio Lower Upper
 75 100
 110 36.3 17.8 53.5
 77 31.7 25.0 37.4



Abundance Ion 74.90 (74.60 to 75.60): VU0
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): VU0

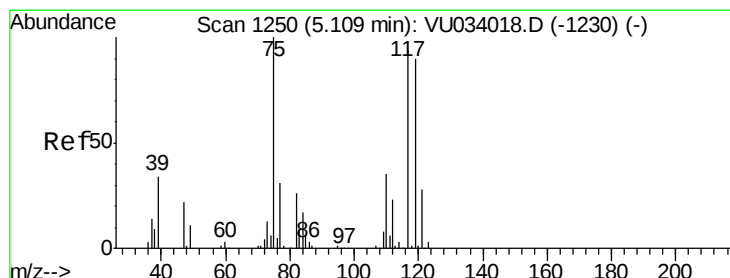
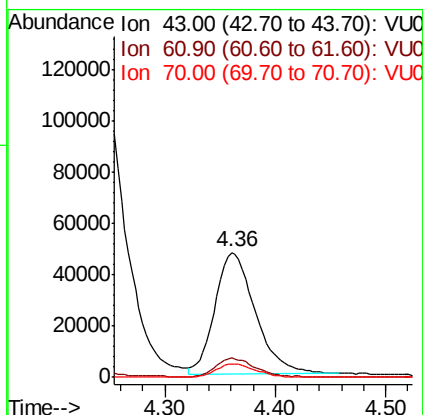
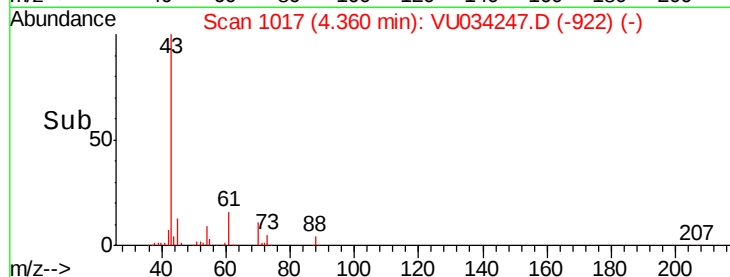
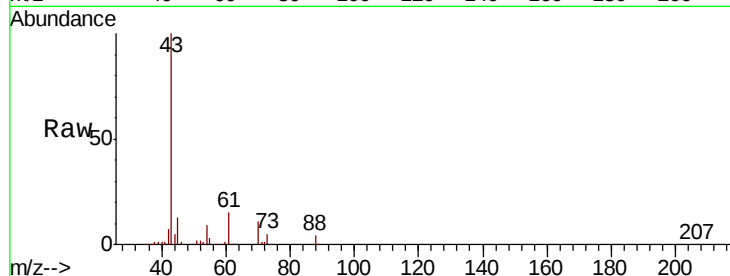




#37
Ethyl Acetate
Concen: 19.029 ug/l
RT: 4.36 min Scan# 1017
Delta R.T. 0.01 min
Lab File: VU034247.D
Acq: 04 Sep 2019 11:05

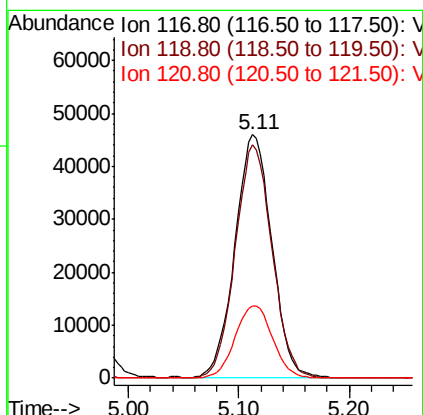
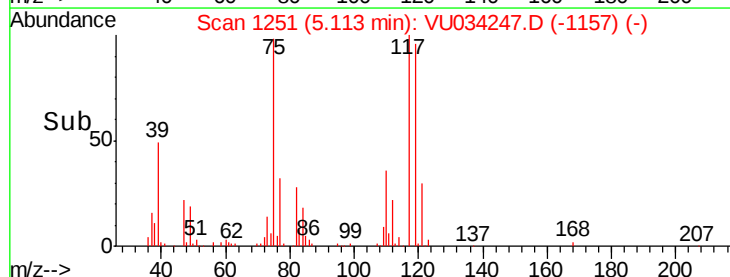
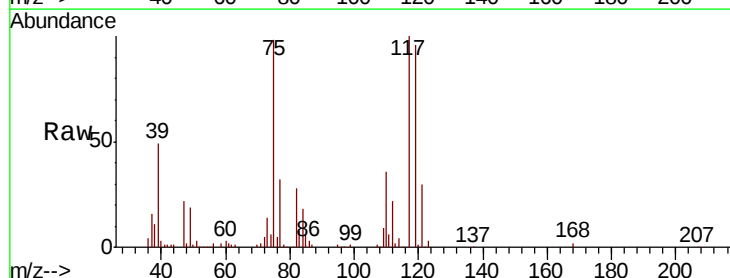
Instrument :
MSVOA_U
ClientSampleId :
VU0905WBS01

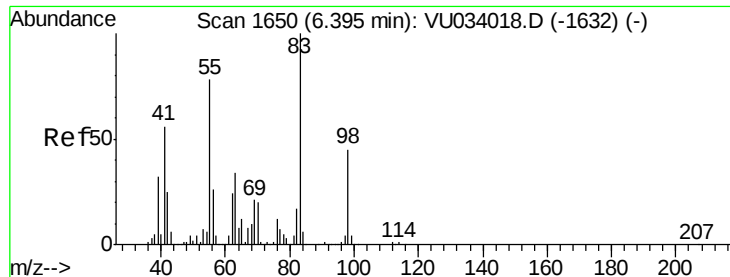
Tgt Ion: 43 Resp: 120814
Ion Ratio Lower Upper
43 100
61 14.9 11.5 17.3
70 11.0 8.6 12.8



#38
Carbon Tetrachloride
Concen: 19.384 ug/l
RT: 5.11 min Scan# 1251
Delta R.T. 0.00 min
Lab File: VU034247.D
Acq: 04 Sep 2019 11:05

Tgt Ion: 117 Resp: 106086
Ion Ratio Lower Upper
117 100
119 96.2 77.0 115.4
121 29.9 23.9 35.9

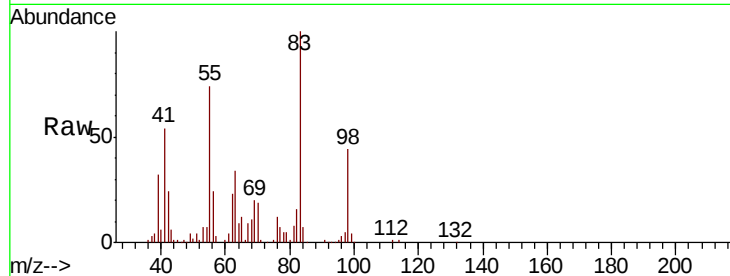




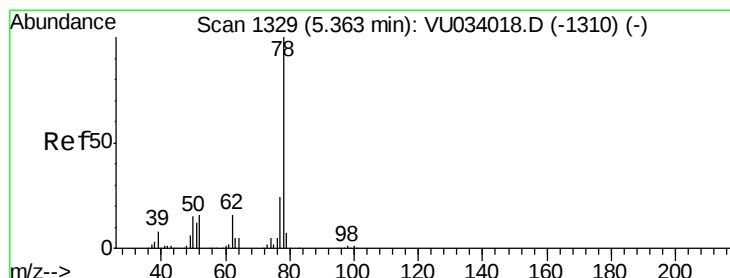
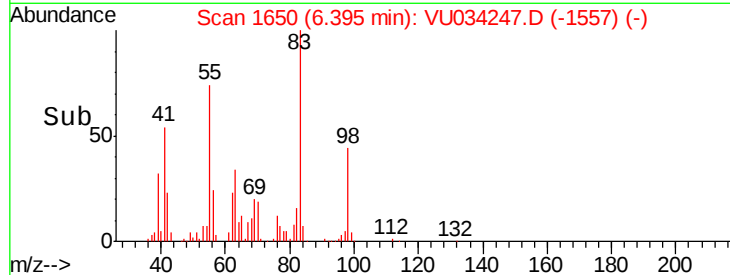
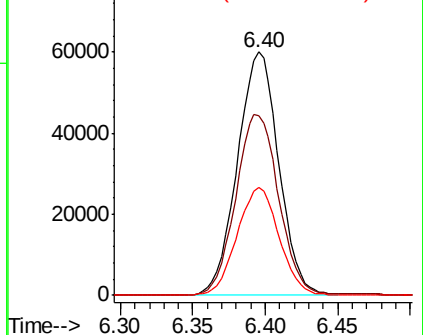
#39
Methylcyclohexane
Concen: 17.818 ug/l
RT: 6.40 min Scan# 1650
Delta R.T. 0.00 min
Lab File: VU034247.D
Acq: 04 Sep 2019 11:05

Instrument :
MSVOA_U
ClientSampleId :
VU0905WBS01

Tgt Ion: 83 Resp: 119072
Ion Ratio Lower Upper
83 100
55 73.6 62.3 93.5
98 44.1 36.2 54.2

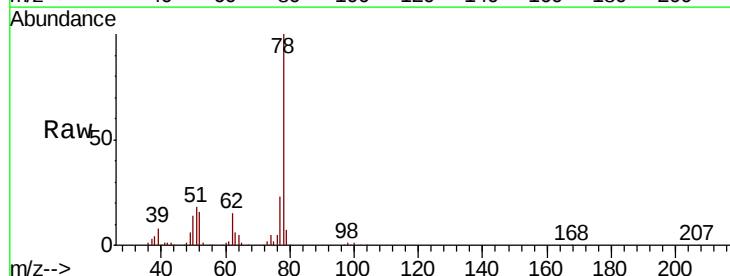


Abundance Ion 83.00 (82.70 to 83.70): VU0
Ion 55.00 (54.70 to 55.70): VU0
Ion 98.00 (97.70 to 98.70): VU0

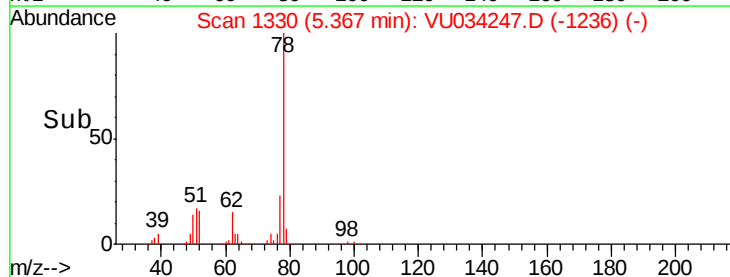
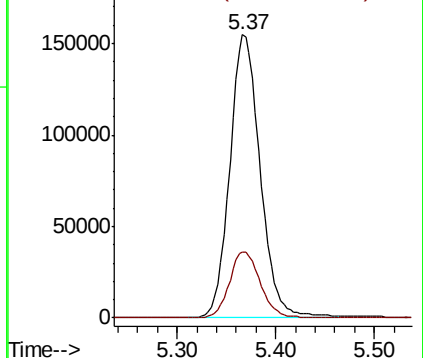


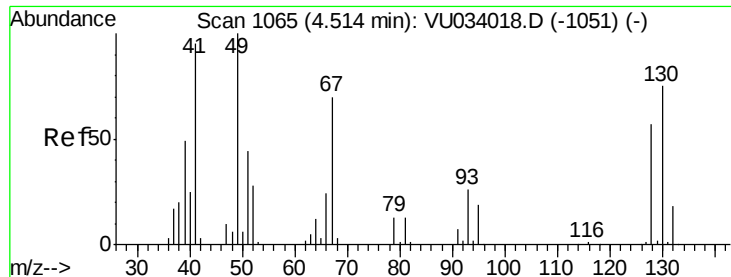
#40
Benzene
Concen: 19.376 ug/l
RT: 5.37 min Scan# 1330
Delta R.T. 0.00 min
Lab File: VU034247.D
Acq: 04 Sep 2019 11:05

Tgt Ion: 78 Resp: 332378
Ion Ratio Lower Upper
78 100
77 23.4 19.0 28.6



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





#41

Methacrylonitrile

Concen: 19.752 ug/l

RT: 4.52 min Scan# 1067

Delta R.T. 0.01 min

Lab File: VU034247.D

Acq: 04 Sep 2019 11:05

Instrument :

MSVOA_U

ClientSampleId :

VU0905WBS01

Tgt Ion: 41 Resp: 64316

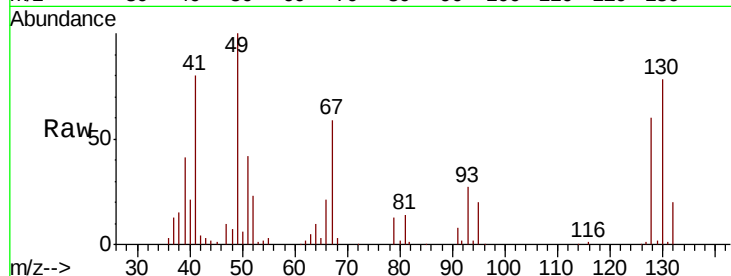
Ion Ratio Lower Upper

41 100

39 52.3 42.1 63.1

67 79.5 61.0 91.4

52 30.3 23.3 34.9

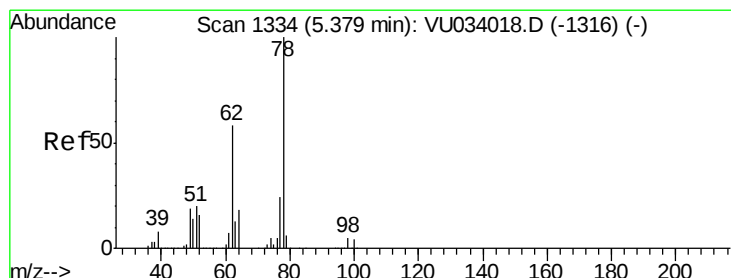
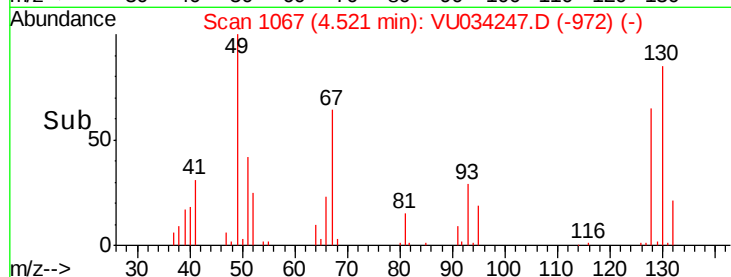
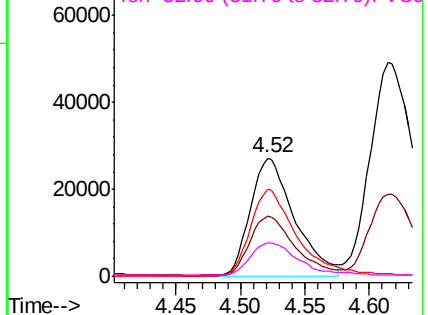


Abundance Ion 41.00 (40.70 to 41.70): VU034018.D (-1051) (-)

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: 19.151 ug/l

RT: 5.39 min Scan# 1336

Delta R.T. 0.01 min

Lab File: VU034247.D

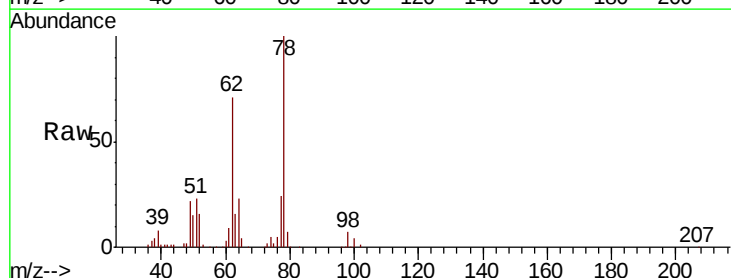
Acq: 04 Sep 2019 11:05

Tgt Ion: 62 Resp: 113443

Ion Ratio Lower Upper

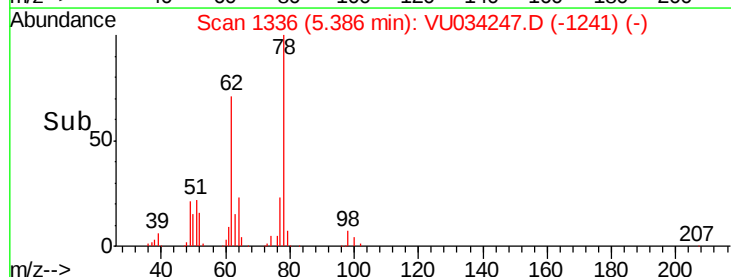
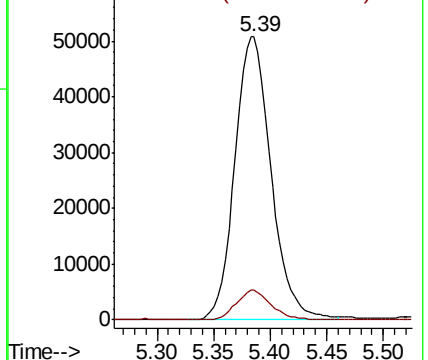
62 100

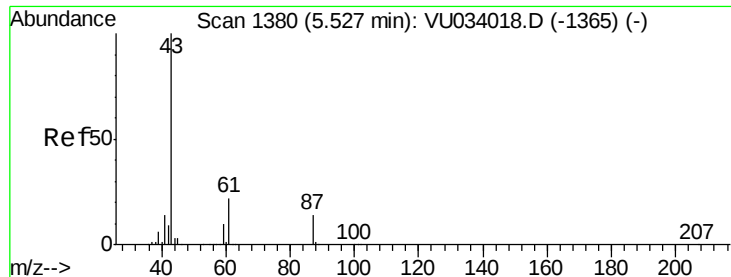
98 10.2 0.0 18.2



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: 19.212 ug/l

RT: 5.53 min Scan# 1381

Delta R.T. 0.00 min

Lab File: VU034247.D

Acq: 04 Sep 2019 11:05

Instrument :

MSVOA_U

ClientSampleId :

VU0905WBS01

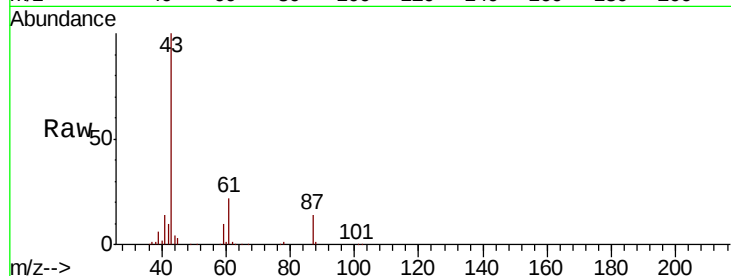
Tgt Ion: 43 Resp: 185572

Ion Ratio Lower Upper

43 100

61 21.3 17.2 25.8

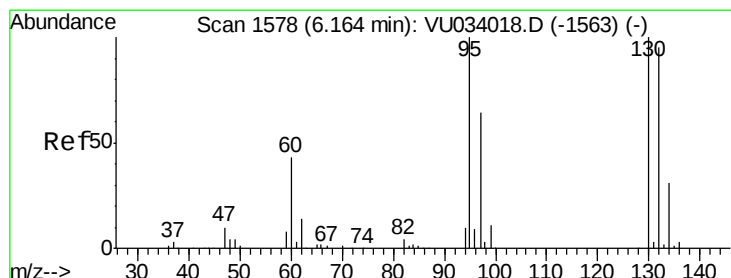
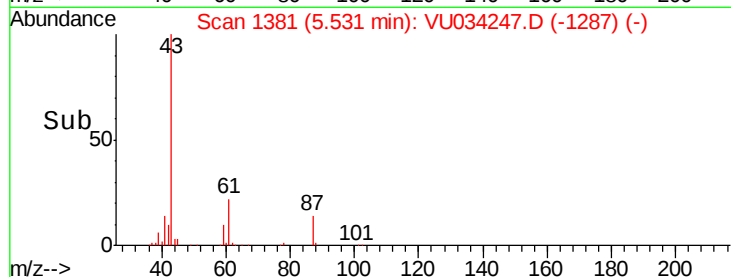
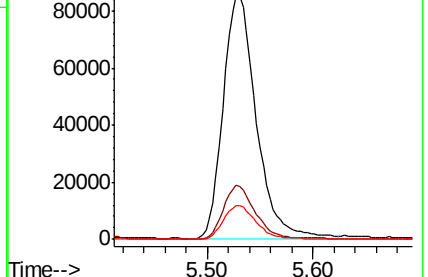
87 13.8 10.8 16.2



Abundance Ion 43.00 (42.70 to 43.70): VU034018.D (-1365) (-)

Ion 61.00 (60.70 to 61.70): VU034018.D (-1365) (-)

Ion 87.00 (86.70 to 87.70): VU034018.D (-1365) (-)



#44

Trichloroethene

Concen: 19.984 ug/l

RT: 6.17 min Scan# 1579

Delta R.T. 0.00 min

Lab File: VU034247.D

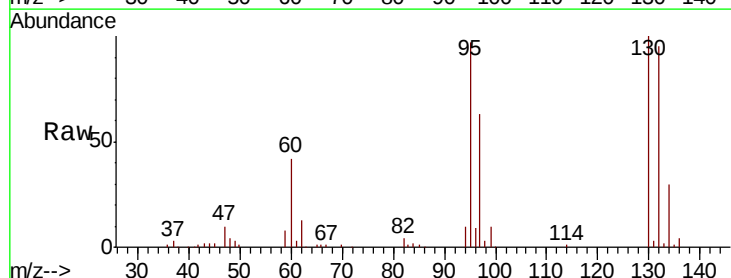
Acq: 04 Sep 2019 11:05

Tgt Ion: 130 Resp: 90019

Ion Ratio Lower Upper

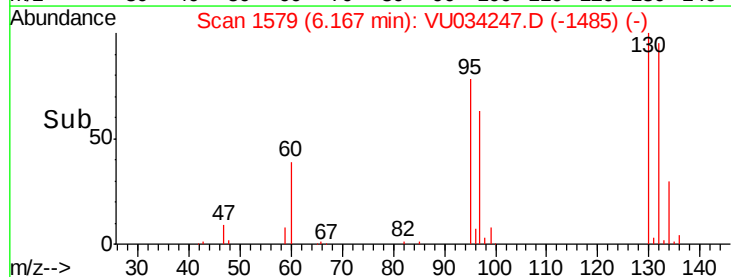
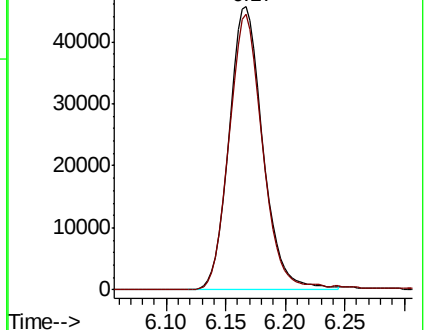
130 100

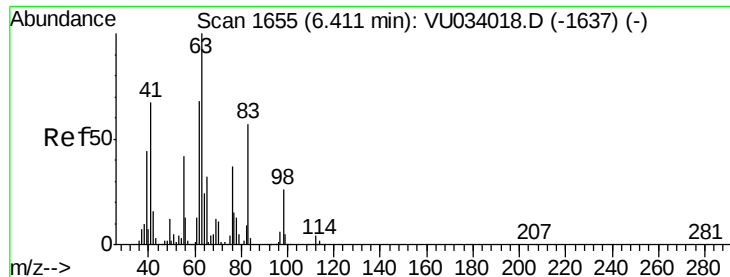
95 97.4 0.0 199.6



Abundance Ion 129.80 (129.50 to 130.50): VU034018.D (-1563) (-)

Ion 94.90 (94.60 to 95.60): VU034018.D (-1563) (-)





#45

1,2-Dichloropropane

Concen: 19.937 ug/l

RT: 6.41 min Scan# 1655

Delta R.T. 0.00 min

Lab File: VU034247.D

Acq: 04 Sep 2019 11:05

Instrument :

MSVOA_U

ClientSampleId :

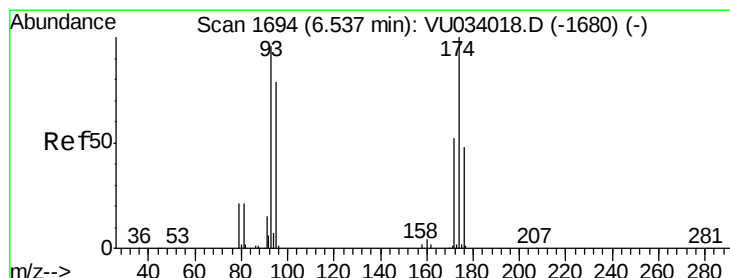
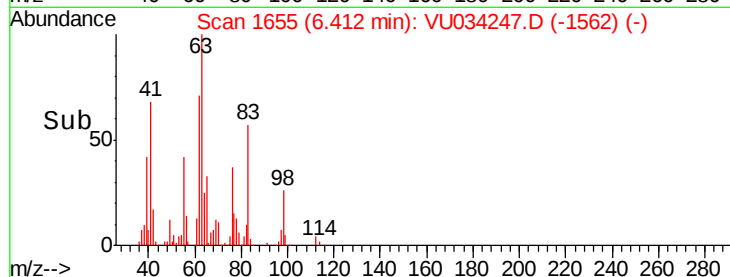
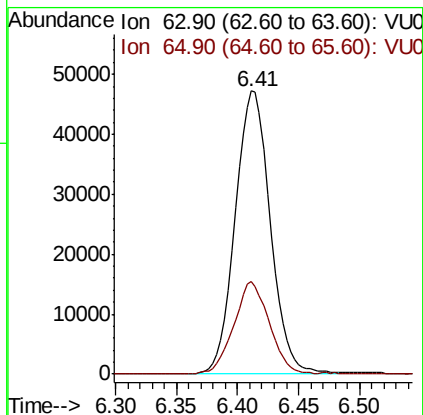
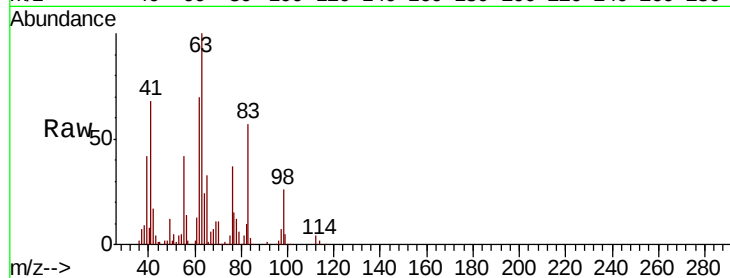
VU0905WBS01

Tgt Ion: 63 Resp: 94145

Ion Ratio Lower Upper

63 100

65 32.8 25.4 38.2



#46

Dibromomethane

Concen: 19.705 ug/l

RT: 6.54 min Scan# 1695

Delta R.T. 0.00 min

Lab File: VU034247.D

Acq: 04 Sep 2019 11:05

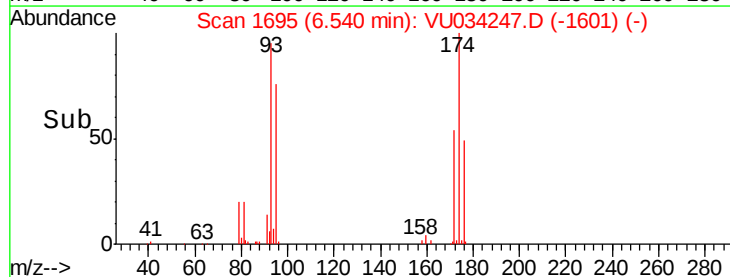
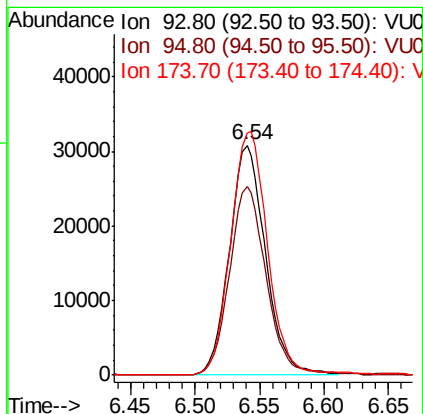
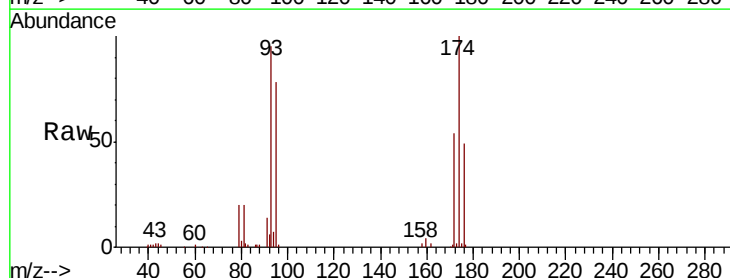
Tgt Ion: 93 Resp: 59949

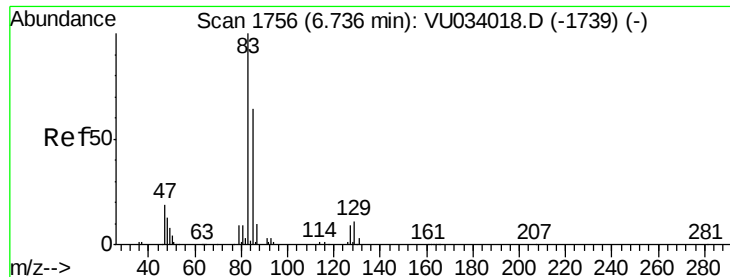
Ion Ratio Lower Upper

93 100

95 83.2 66.7 100.1

174 108.4 84.9 127.3





#47

Bromodichloromethane

Concen: 20.174 ug/l

RT: 6.74 min Scan# 1756

Delta R.T. 0.00 min

Lab File: VU034247.D

Acq: 04 Sep 2019 11:05

Instrument :

MSVOA_U

ClientSampleId :

VU0905WBS01

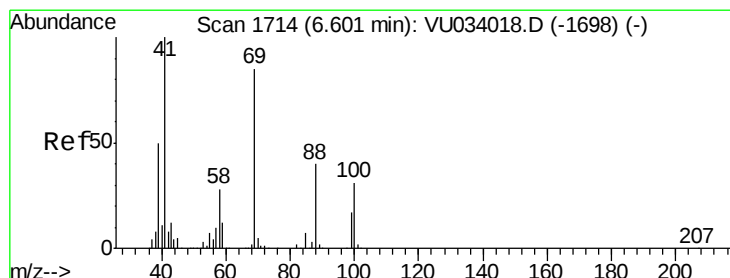
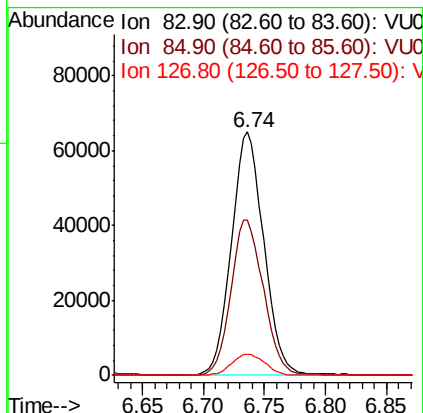
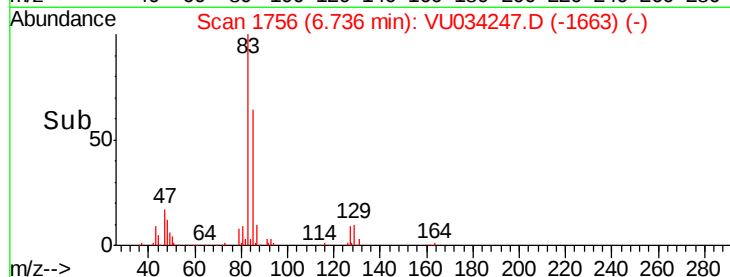
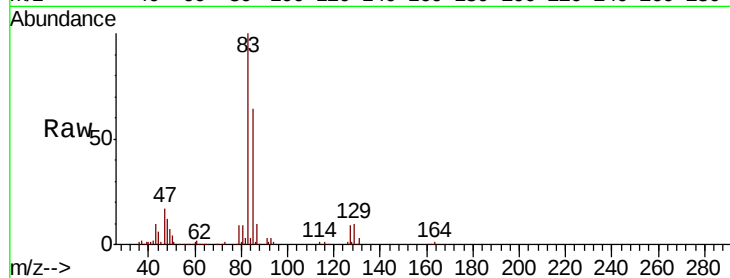
Tgt Ion: 83 Resp: 120076

Ion Ratio Lower Upper

83 100

85 63.6 51.2 76.8

127 8.7 7.0 10.6



#48

Methyl methacrylate

Concen: 18.849 ug/l

RT: 6.60 min Scan# 1715

Delta R.T. 0.00 min

Lab File: VU034247.D

Acq: 04 Sep 2019 11:05

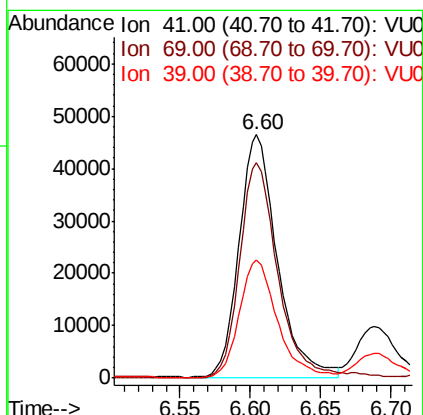
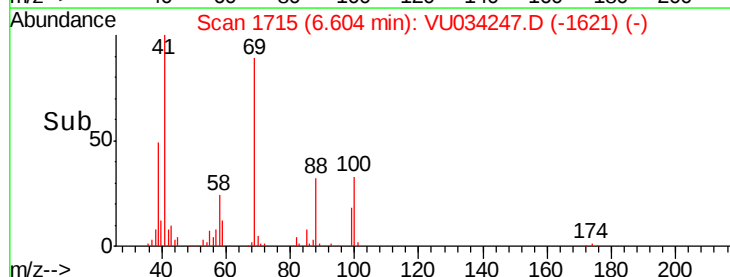
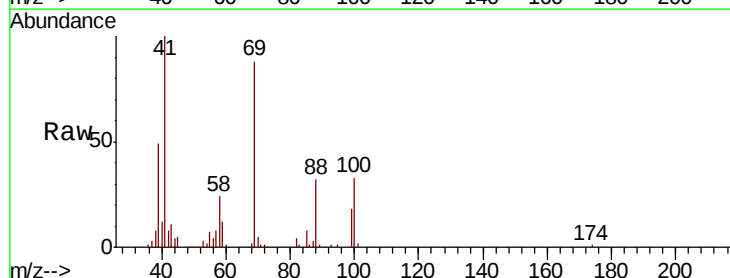
Tgt Ion: 41 Resp: 87858

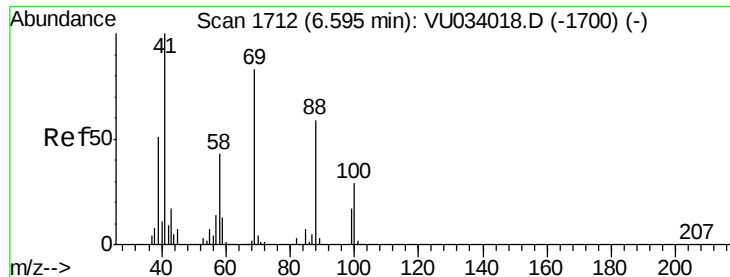
Ion Ratio Lower Upper

41 100

69 88.2 69.5 104.3

39 48.1 40.3 60.5

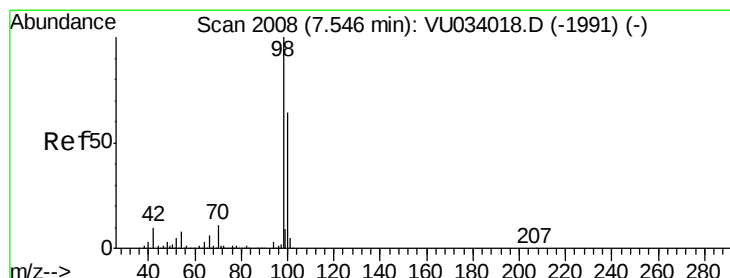
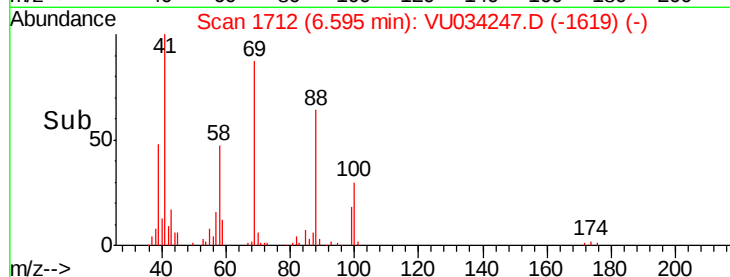
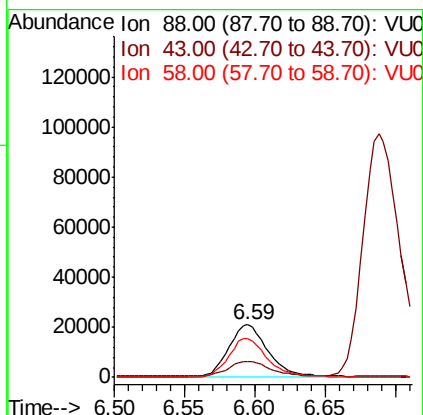
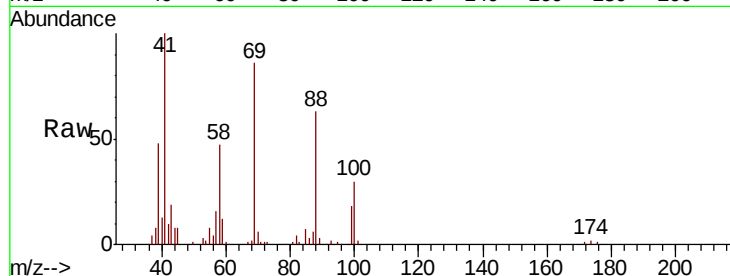




#49
 1,4-Dioxane
 Concen: 356.046 ug/l
 RT: 6.59 min Scan# 1712
 Delta R.T. 0.00 min
 Lab File: VU034247.D
 Acq: 04 Sep 2019 11:05

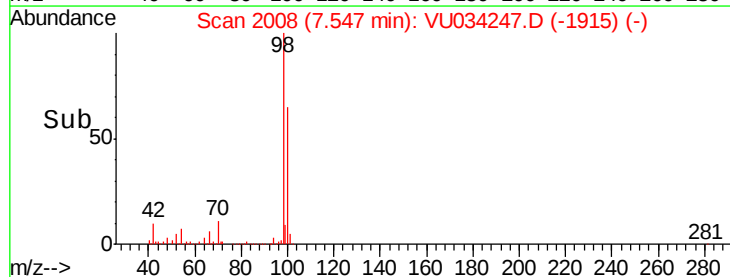
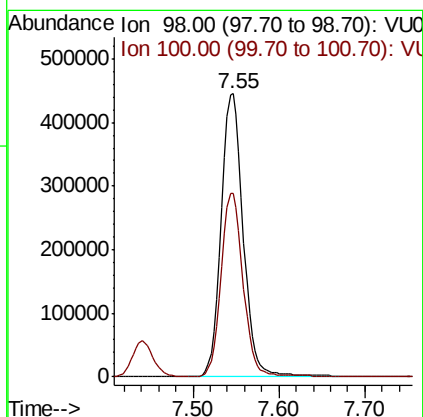
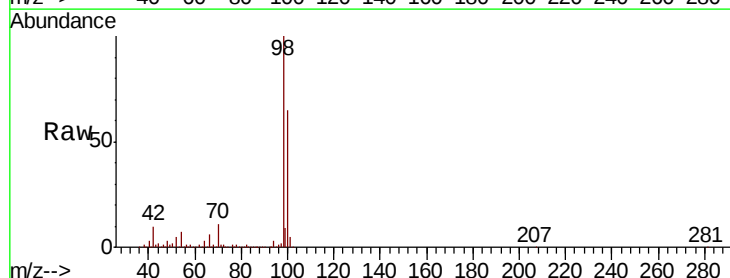
Instrument :
 MSVOA_U
 ClientSampleId :
 VU0905WBS01

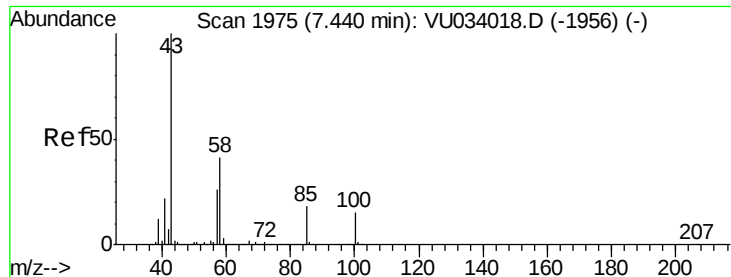
Tgt Ion: 88 Resp: 41581
 Ion Ratio Lower Upper
 88 100
 43 29.6 24.8 37.2
 58 72.4 59.3 88.9



#50
 Toluene-d8
 Concen: 51.206 ug/l
 RT: 7.55 min Scan# 2008
 Delta R.T. 0.00 min
 Lab File: VU034247.D
 Acq: 04 Sep 2019 11:05

Tgt Ion: 98 Resp: 797142
 Ion Ratio Lower Upper
 98 100
 100 64.9 50.3 75.5

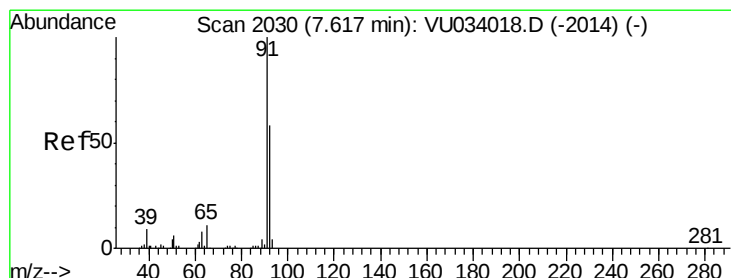
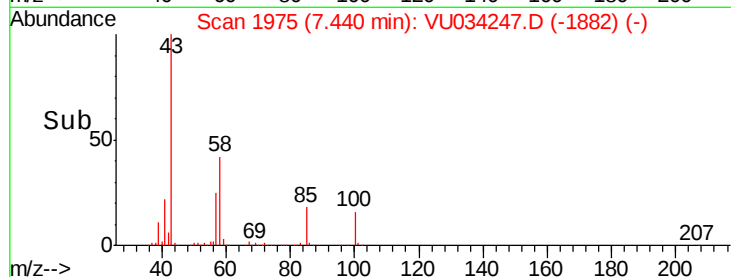
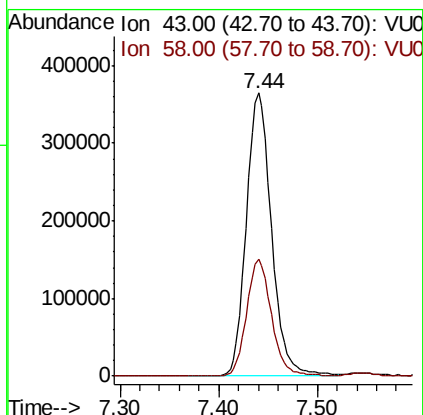
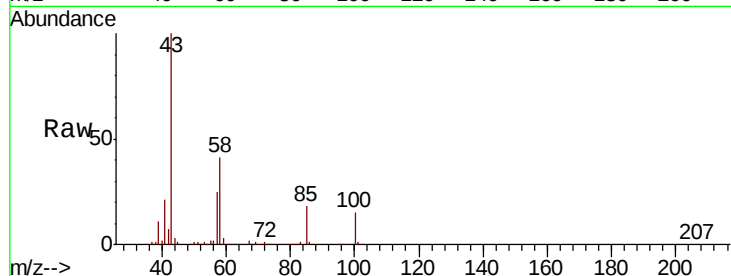




#51
 4-Methyl-2-Pentanone
 Concen: 96.181 ug/l
 RT: 7.44 min Scan# 1975
 Delta R.T. 0.00 min
 Lab File: VU034247.D
 Acq: 04 Sep 2019 11:05

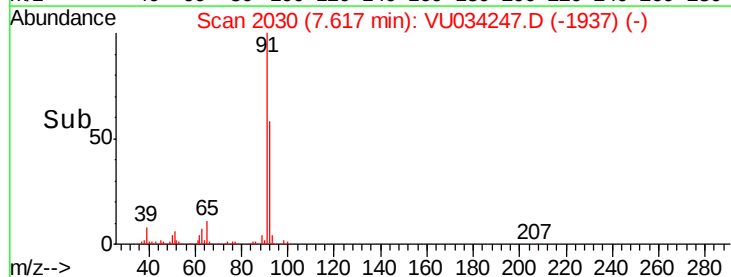
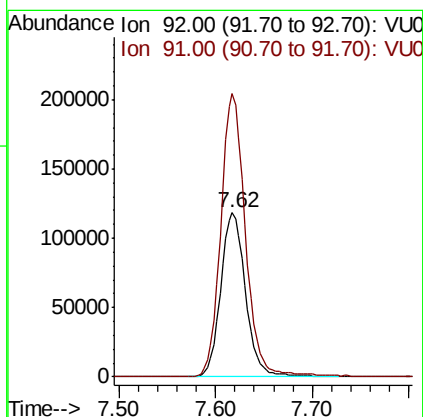
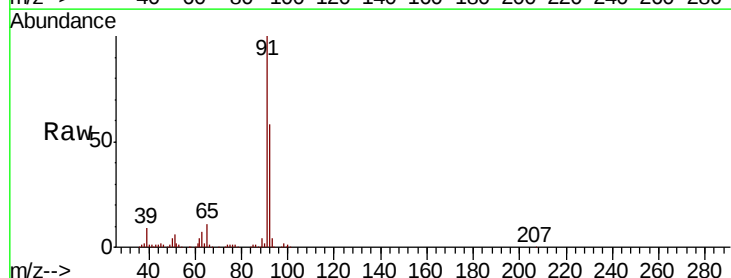
Instrument :
 MSVOA_U
 ClientSampleId :
 VU0905WBS01

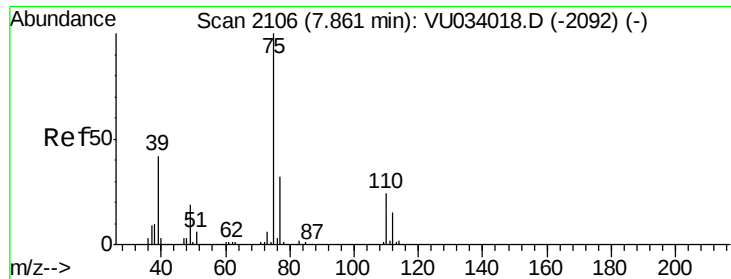
Tgt Ion: 43 Resp: 641597
 Ion Ratio Lower Upper
 43 100
 58 40.8 32.2 48.4



#52
 Toluene
 Concen: 20.035 ug/l
 RT: 7.62 min Scan# 2030
 Delta R.T. 0.00 min
 Lab File: VU034247.D
 Acq: 04 Sep 2019 11:05

Tgt Ion: 92 Resp: 211711
 Ion Ratio Lower Upper
 92 100
 91 170.8 138.3 207.5





#53

t-1,3-Dichloropropene

Concen: 18.744 ug/l

RT: 7.86 min Scan# 2106

Delta R.T. 0.00 min

Lab File: VU034247.D

Acq: 04 Sep 2019 11:05

Instrument :

MSVOA_U

ClientSampleId :

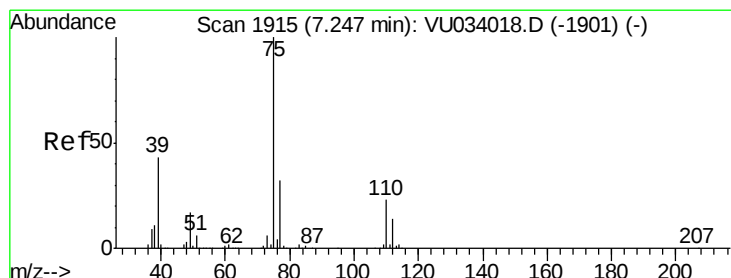
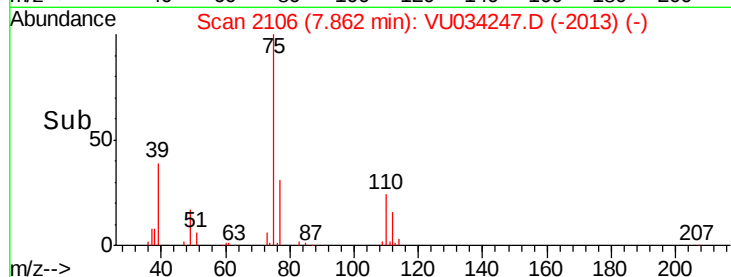
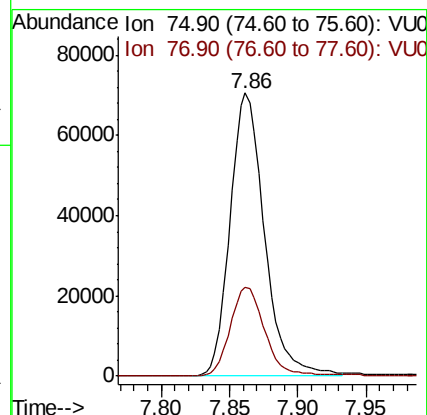
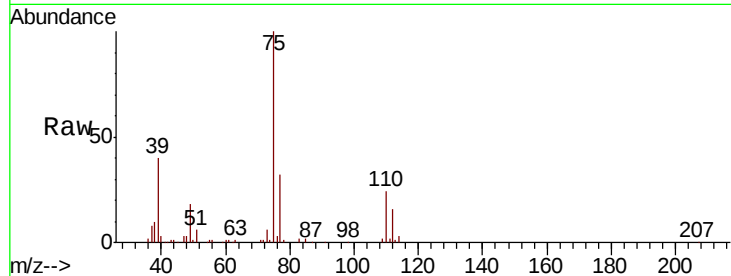
VU0905WBS01

Tgt Ion: 75 Resp: 123794

Ion Ratio Lower Upper

75 100

77 31.6 25.4 38.0



#54

cis-1,3-Dichloropropene

Concen: 19.620 ug/l

RT: 7.25 min Scan# 1916

Delta R.T. 0.00 min

Lab File: VU034247.D

Acq: 04 Sep 2019 11:05

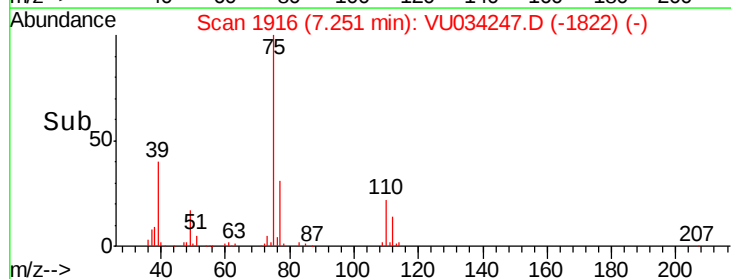
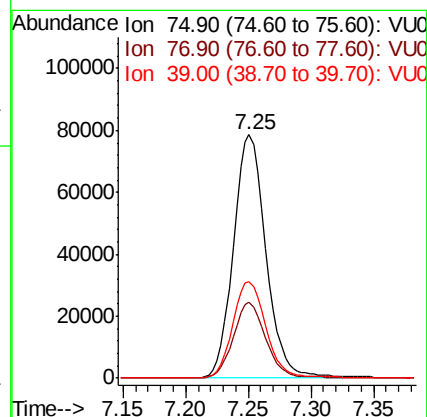
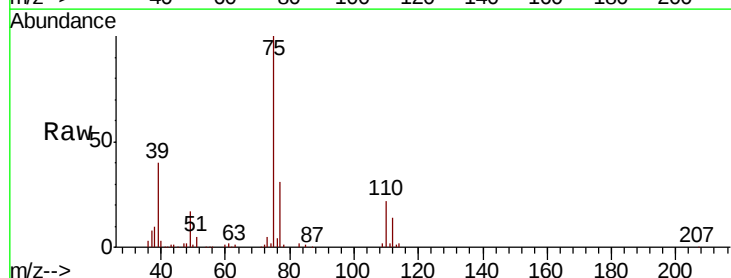
Tgt Ion: 75 Resp: 141567

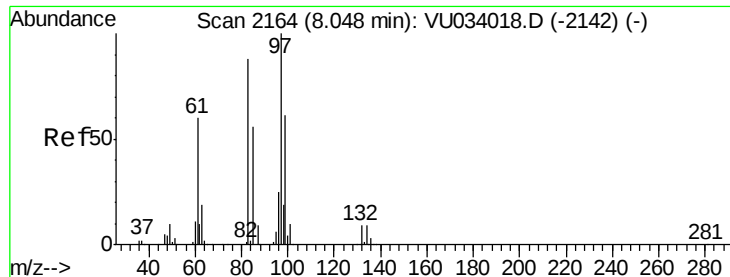
Ion Ratio Lower Upper

75 100

77 31.0 25.2 37.8

39 39.6 34.6 51.8





#55

1,1,2-Trichloroethane

Concen: 19.882 ug/l

RT: 8.05 min Scan# 2164

Delta R.T. 0.00 min

Lab File: VU034247.D

Acq: 04 Sep 2019 11:05

Instrument :

MSVOA_U

ClientSampleId :

VU0905WBS01

Tgt Ion: 97 Resp: 88871

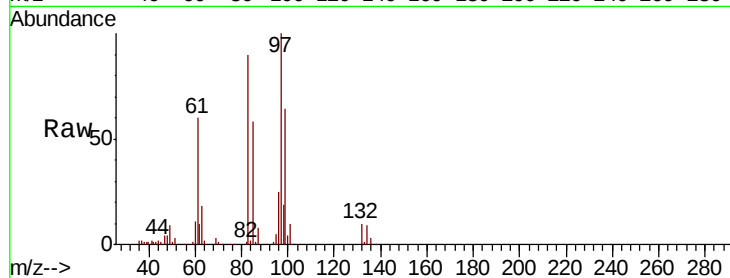
Ion Ratio Lower Upper

97 100

83 90.1 70.1 105.1

85 57.5 45.0 67.4

99 63.3 49.8 74.8

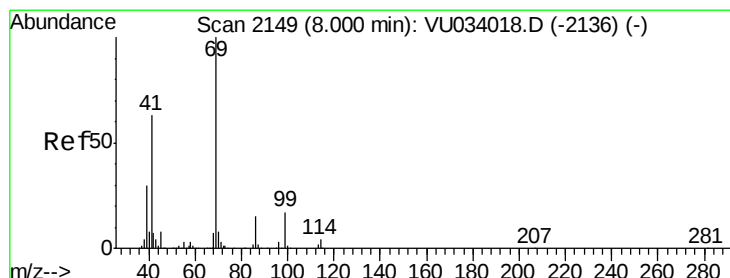
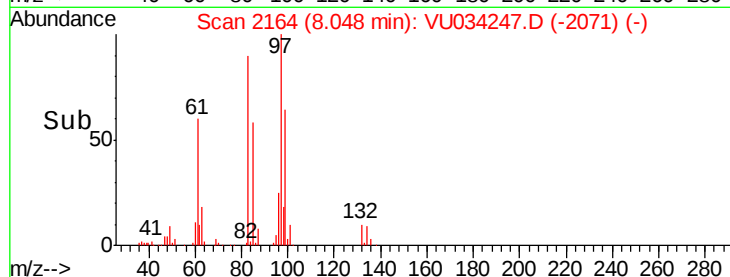
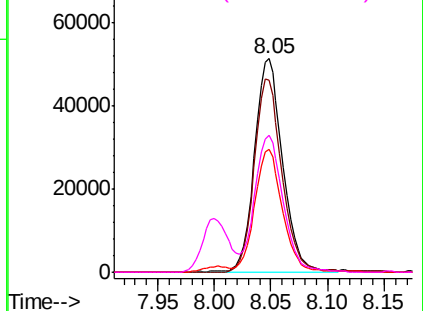


Abundance Ion 96.90 (96.60 to 97.60): VU0

Ion 82.90 (82.60 to 83.60): VU0

Ion 84.90 (84.60 to 85.60): VU0

Ion 98.90 (98.60 to 99.60): VU0



#56

Ethyl methacrylate

Concen: 17.403 ug/l

RT: 8.00 min Scan# 2149

Delta R.T. 0.00 min

Lab File: VU034247.D

Acq: 04 Sep 2019 11:05

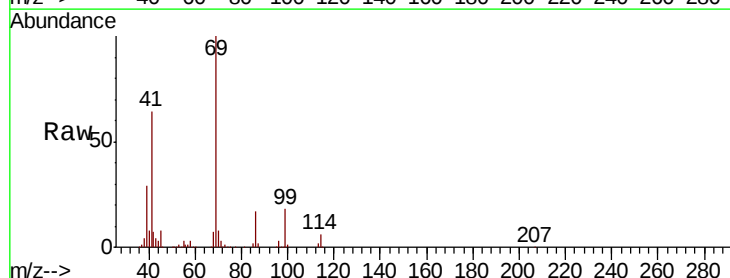
Tgt Ion: 69 Resp: 124244

Ion Ratio Lower Upper

69 100

41 62.1 50.7 76.1

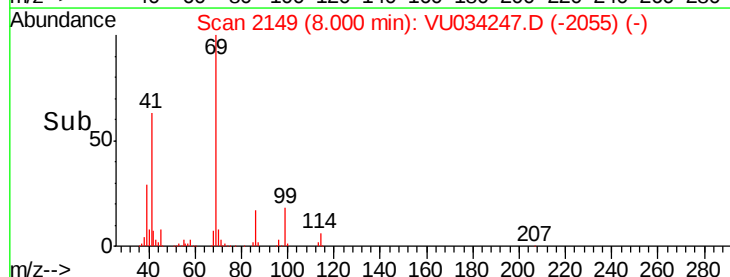
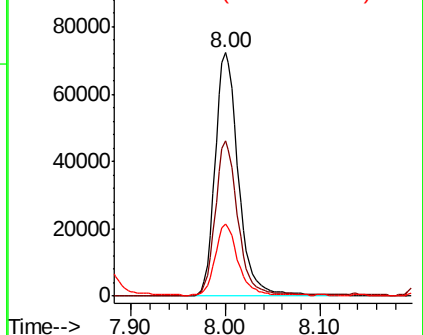
39 28.6 24.2 36.2

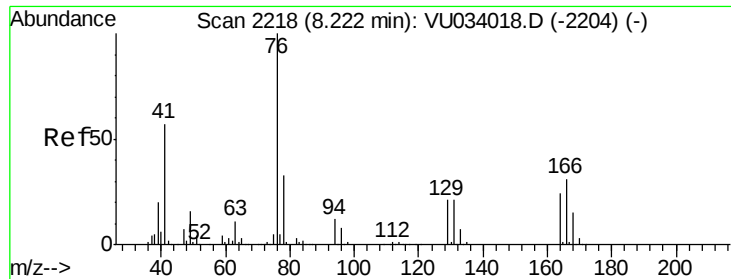


Abundance Ion 69.00 (68.70 to 69.70): VU0

Ion 41.00 (40.70 to 41.70): VU0

Ion 39.00 (38.70 to 39.70): VU0

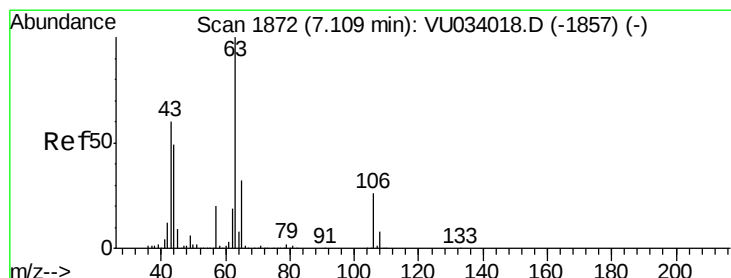
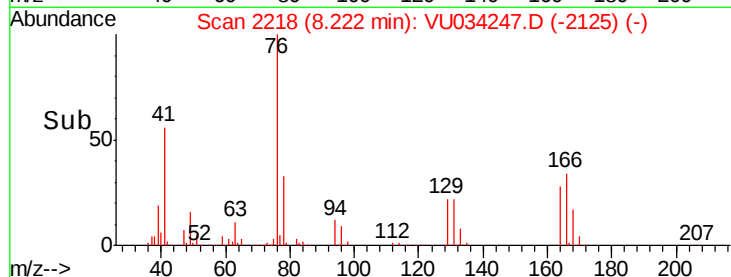
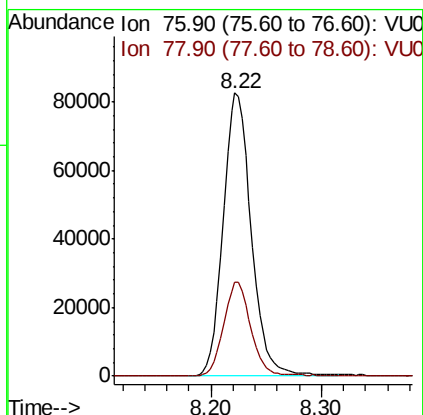
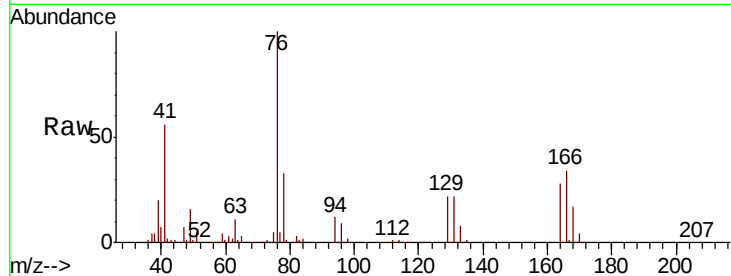




#57
 1,3-Dichloropropane
 Concen: 19.237 ug/l
 RT: 8.22 min Scan# 2218
 Delta R.T. 0.00 min
 Lab File: VU034247.D
 Acq: 04 Sep 2019 11:05

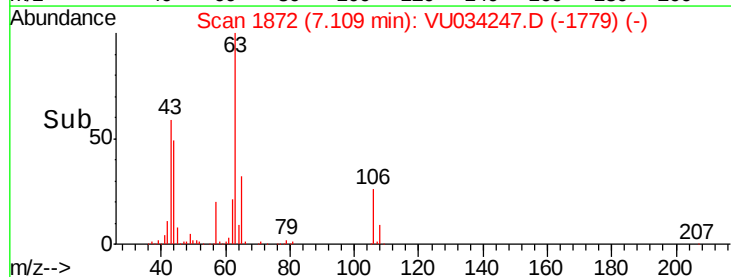
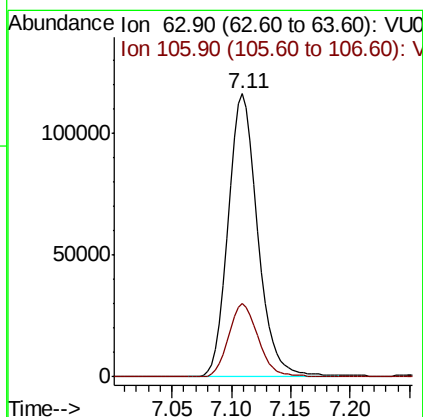
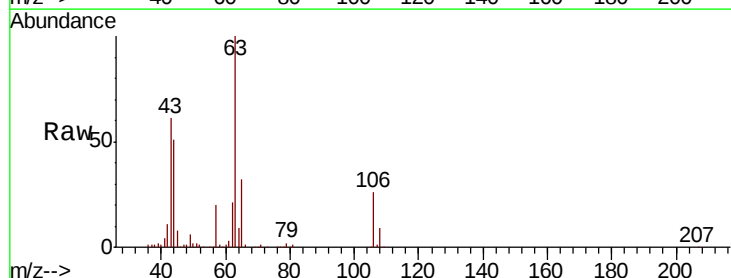
Instrument :
 MSVOA_U
 ClientSampleId :
 VU0905WBS01

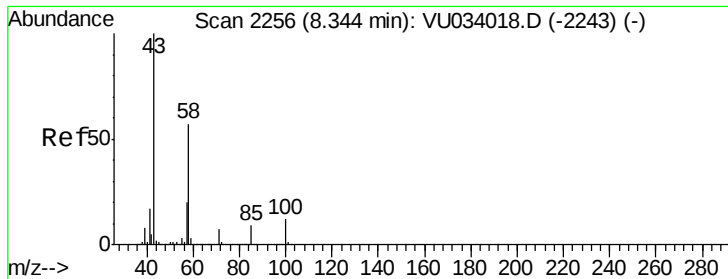
Tgt Ion: 76 Resp: 145997
 Ion Ratio Lower Upper
 76 100
 78 32.2 26.2 39.4



#58
 2-Chloroethyl Vinyl ether
 Concen: 80.966 ug/l
 RT: 7.11 min Scan# 1872
 Delta R.T. 0.00 min
 Lab File: VU034247.D
 Acq: 04 Sep 2019 11:05

Tgt Ion: 63 Resp: 200217
 Ion Ratio Lower Upper
 63 100
 106 26.1 20.7 31.1

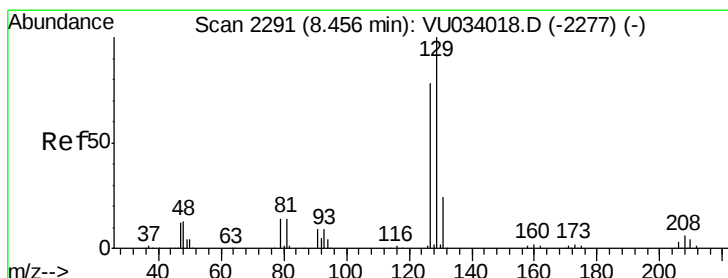
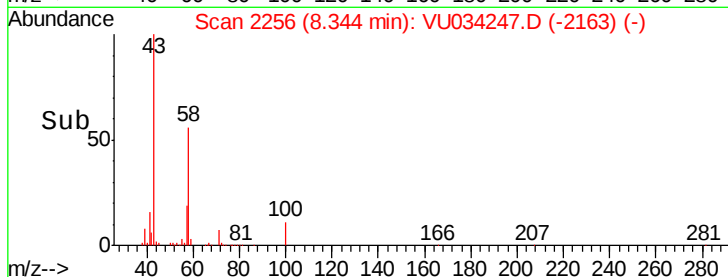
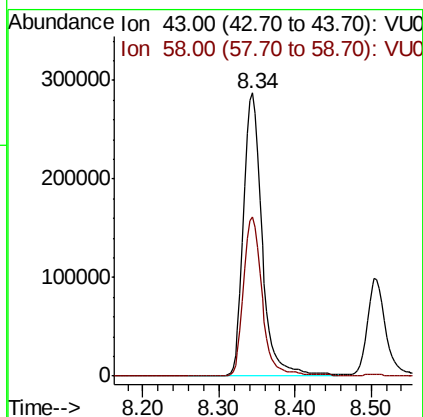
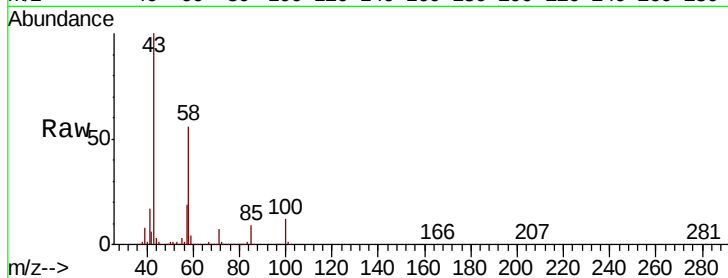




#59
2-Hexanone
Concen: 96.375 ug/l
RT: 8.34 min Scan# 2256
Delta R.T. 0.00 min
Lab File: VU034247.D
Acq: 04 Sep 2019 11:05

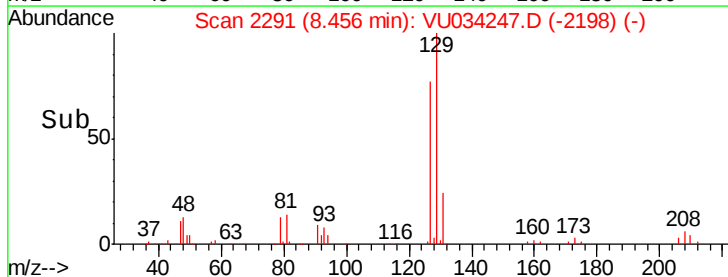
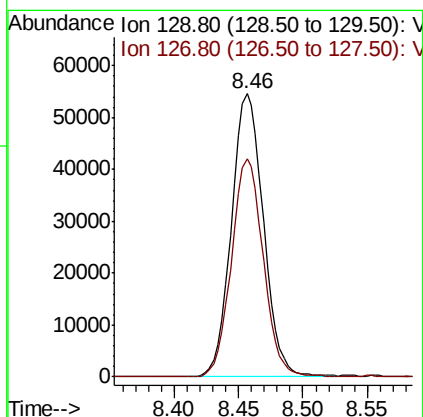
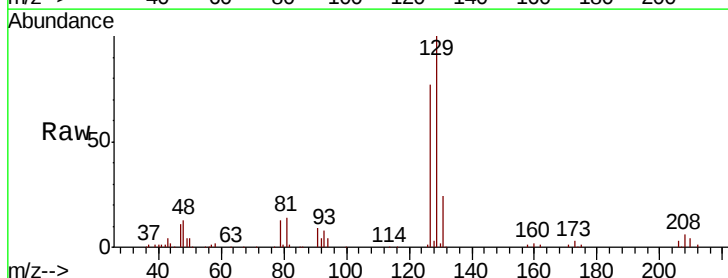
Instrument :
MSVOA_U
ClientSampleId :
VU0905WBS01

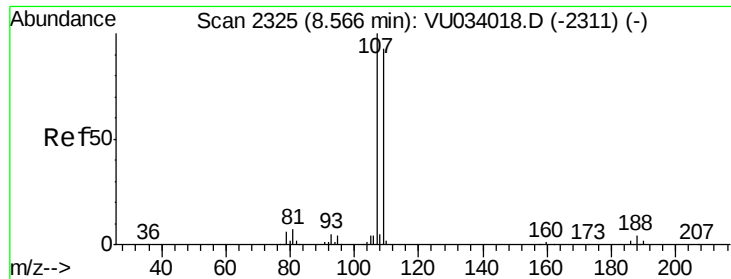
Tgt Ion: 43 Resp: 485323
Ion Ratio Lower Upper
43 100
58 56.4 28.4 85.3



#60
Dibromochloromethane
Concen: 19.626 ug/l
RT: 8.46 min Scan# 2291
Delta R.T. 0.00 min
Lab File: VU034247.D
Acq: 04 Sep 2019 11:05

Tgt Ion: 129 Resp: 94166
Ion Ratio Lower Upper
129 100
127 76.7 39.0 116.9





#61

1,2-Dibromoethane

Concen: 19.183 ug/l

RT: 8.57 min Scan# 2325

Delta R.T. 0.00 min

Lab File: VU034247.D

Acq: 04 Sep 2019 11:05

Instrument :

MSVOA_U

ClientSampleId :

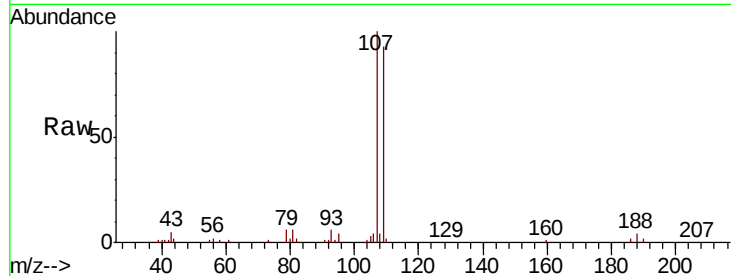
VU0905WBS01

Tgt Ion: 107 Resp: 90325

Ion Ratio Lower Upper

107 100

109 93.9 75.2 112.8



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

60000

50000

40000

30000

20000

10000

0

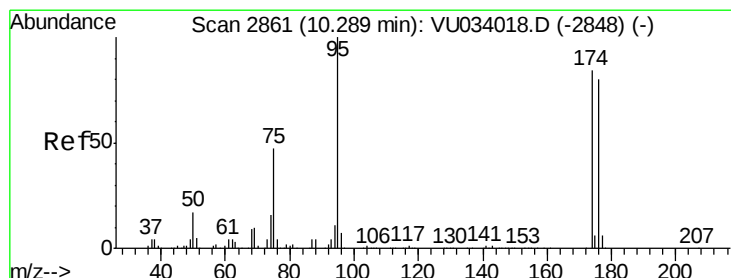
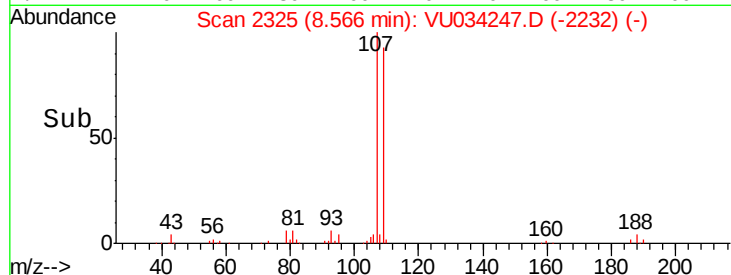
8.57

8.50

8.60

8.65

Time-->



#62

4-Bromofluorobenzene

Concen: 48.891 ug/l

RT: 10.29 min Scan# 2861

Delta R.T. 0.00 min

Lab File: VU034247.D

Acq: 04 Sep 2019 11:05

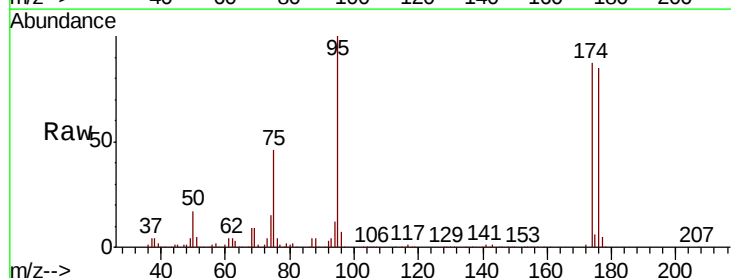
Tgt Ion: 95 Resp: 296058

Ion Ratio Lower Upper

95 100

174 86.0 0.0 168.8

176 82.9 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

250000

200000

150000

100000

50000

0

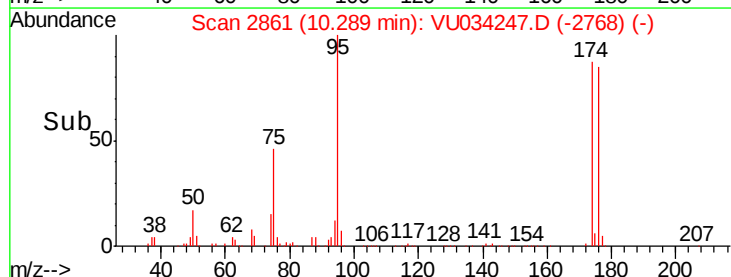
10.29

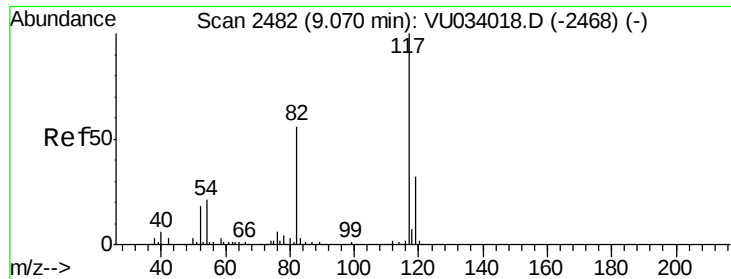
10.20

10.30

10.40

Time-->

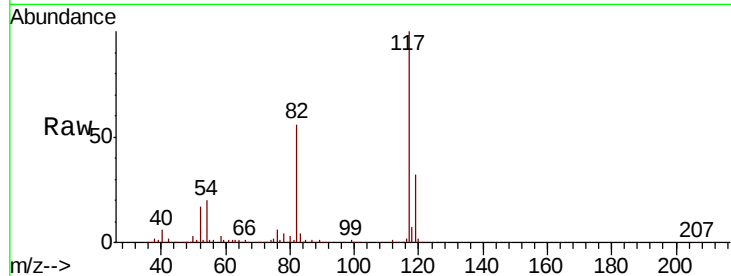




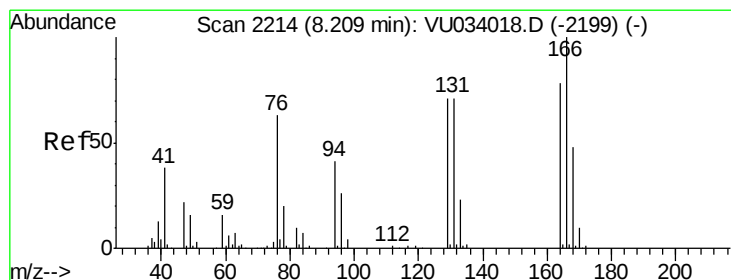
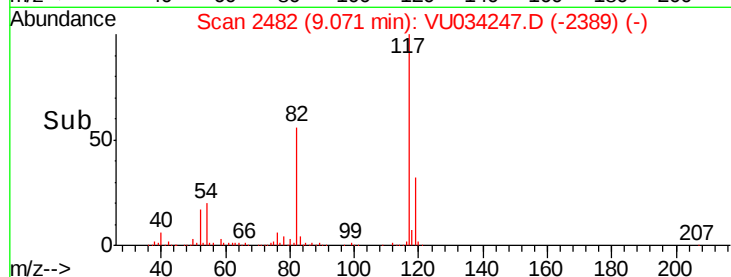
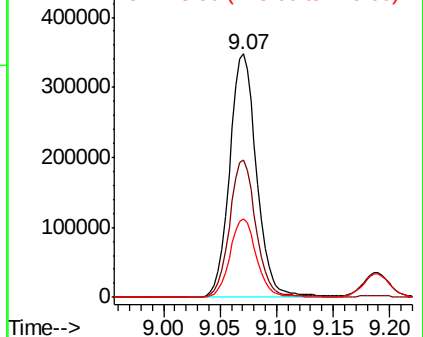
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.07 min Scan# 2482
Delta R.T. 0.00 min
Lab File: VU034247.D
Acq: 04 Sep 2019 11:05

Instrument :
MSVOA_U
ClientSampleId :
VU0905WBS01

Tgt Ion:117 Resp: 577566
Ion Ratio Lower Upper
117 100
82 56.4 45.1 67.7
119 32.4 25.4 38.0

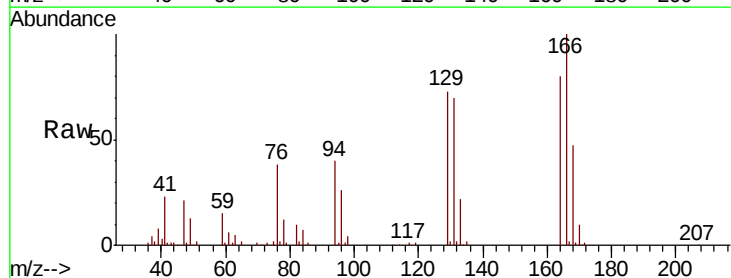


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VU0
Ion 118.90 (118.60 to 119.60): V

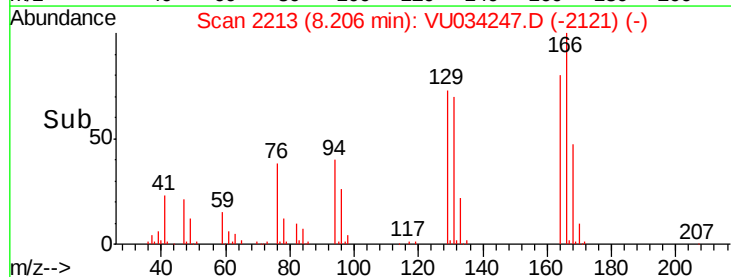
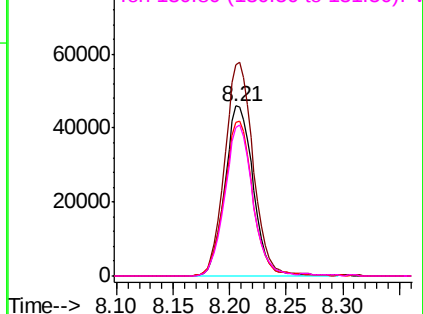


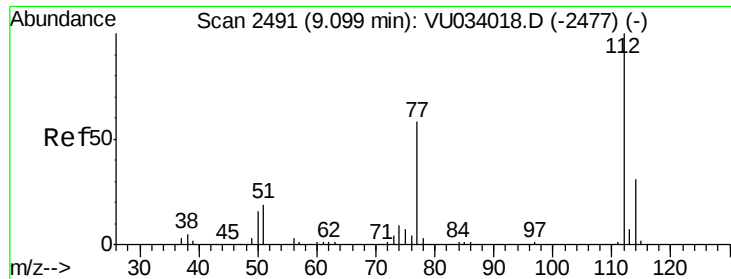
#64
Tetrachloroethene
Concen: 20.777 ug/l
RT: 8.21 min Scan# 2213
Delta R.T. -0.00 min
Lab File: VU034247.D
Acq: 04 Sep 2019 11:05

Tgt Ion:164 Resp: 80590
Ion Ratio Lower Upper
164 100
166 124.5 102.2 153.2
129 90.5 72.4 108.6
131 87.4 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

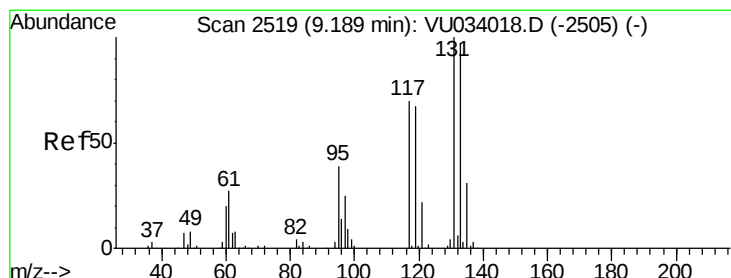
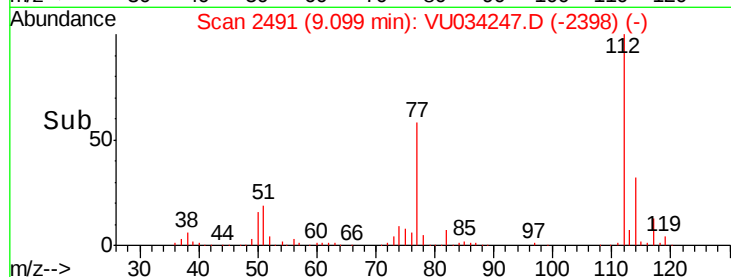
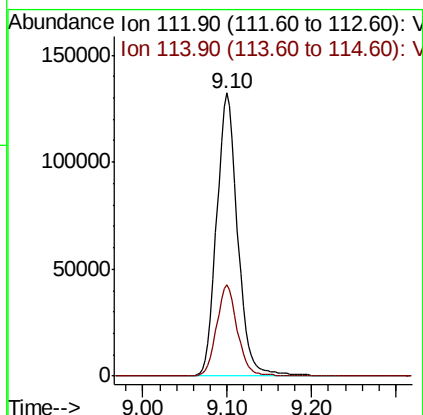
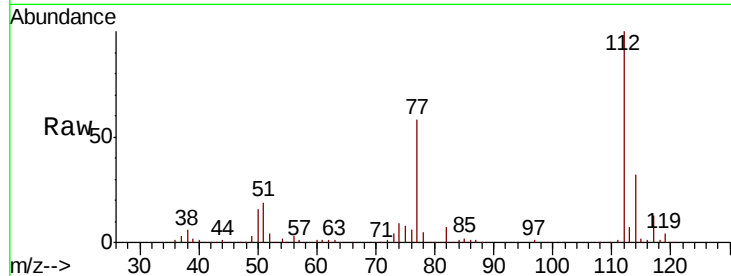




#65
Chlorobenzene
Concen: 19.327 ug/l
RT: 9.10 min Scan# 2491
Delta R.T. 0.00 min
Lab File: VU034247.D
Acq: 04 Sep 2019 11:05

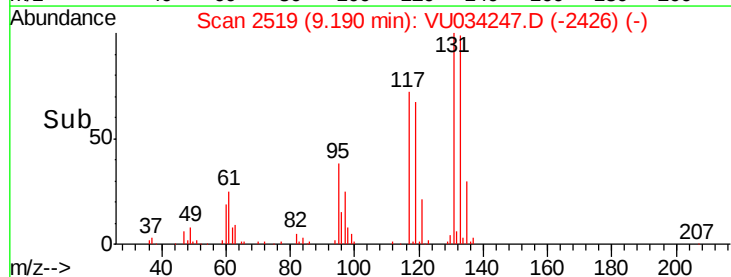
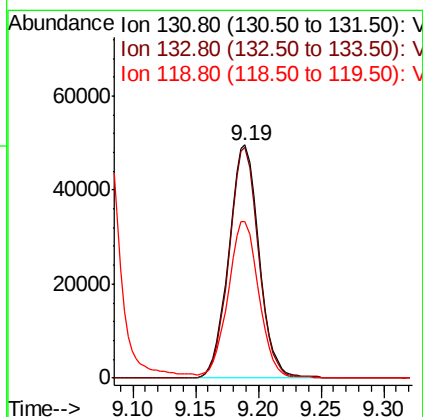
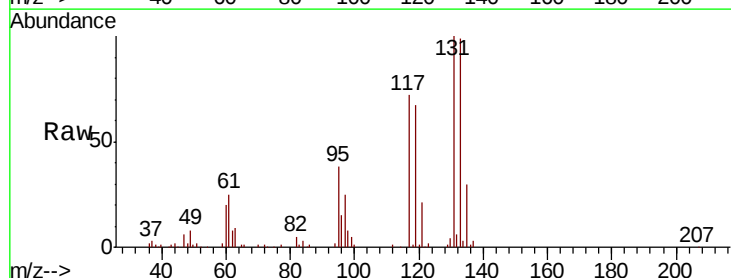
Instrument :
MSVOA_U
ClientSampleId :
VU0905WBS01

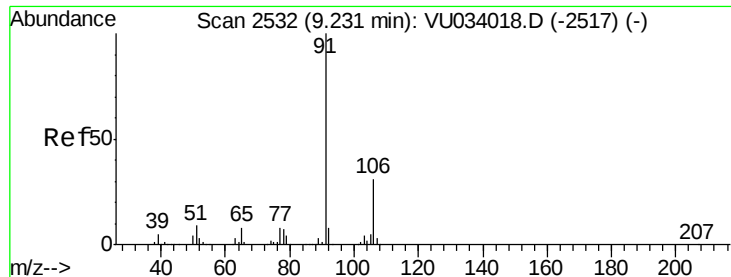
Tgt Ion:112 Resp: 229710
Ion Ratio Lower Upper
112 100
114 32.2 25.0 37.4



#66
1,1,1,2-Tetrachloroethane
Concen: 19.308 ug/l
RT: 9.19 min Scan# 2519
Delta R.T. 0.00 min
Lab File: VU034247.D
Acq: 04 Sep 2019 11:05

Tgt Ion:131 Resp: 83214
Ion Ratio Lower Upper
131 100
133 96.5 48.4 145.2
119 68.7 33.6 100.6

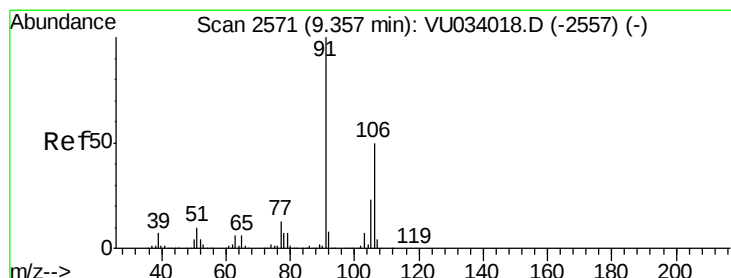
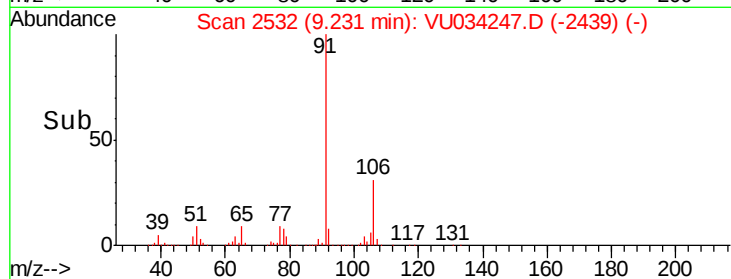
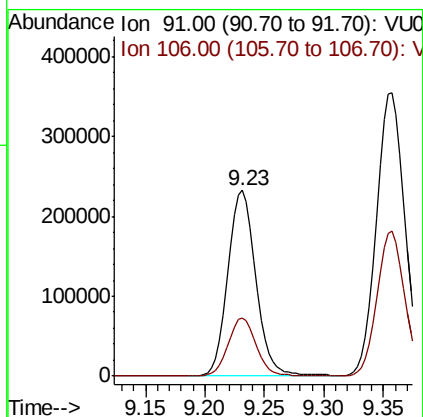
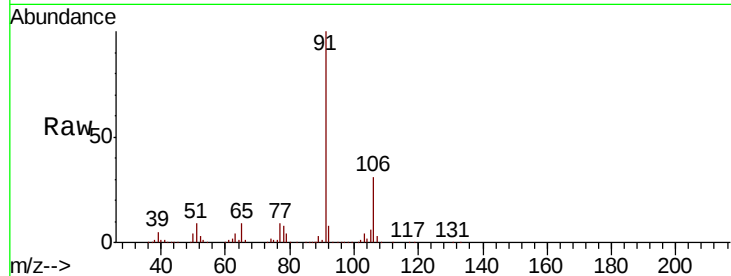




#67
Ethyl Benzene
Concen: 18.937 ug/l
RT: 9.23 min Scan# 2532
Delta R.T. 0.00 min
Lab File: VU034247.D
Acq: 04 Sep 2019 11:05

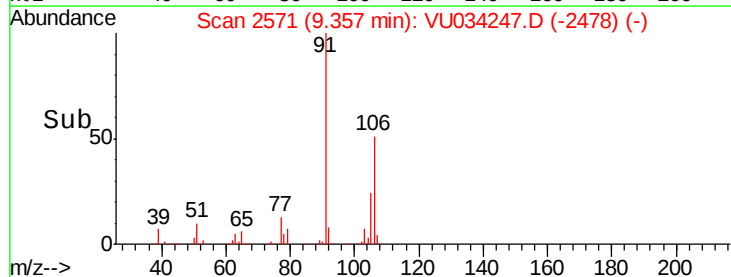
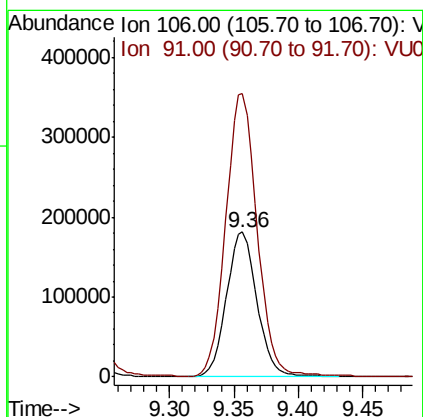
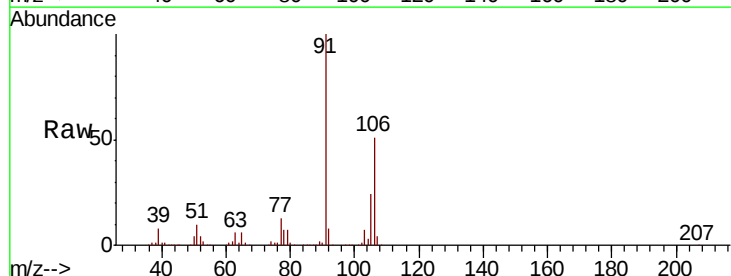
Instrument :
MSVOA_U
ClientSampleId :
VU0905WBS01

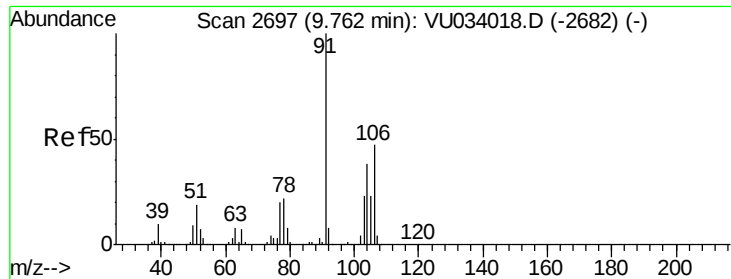
Tgt Ion: 91 Resp: 381535
Ion Ratio Lower Upper
91 100
106 31.5 24.9 37.3



#68
m/p-Xylenes
Concen: 38.636 ug/l
RT: 9.36 min Scan# 2571
Delta R.T. 0.00 min
Lab File: VU034247.D
Acq: 04 Sep 2019 11:05

Tgt Ion: 106 Resp: 295991
Ion Ratio Lower Upper
106 100
91 202.3 161.6 242.4

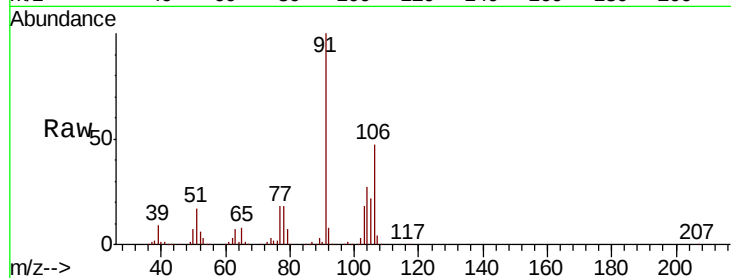




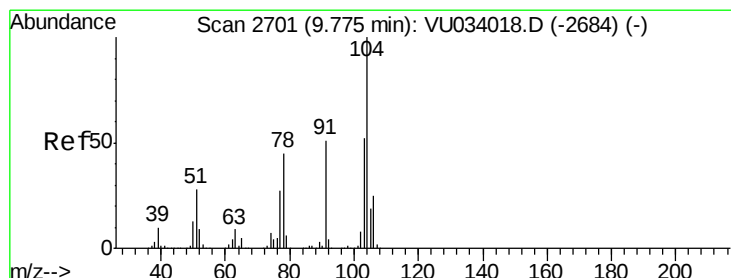
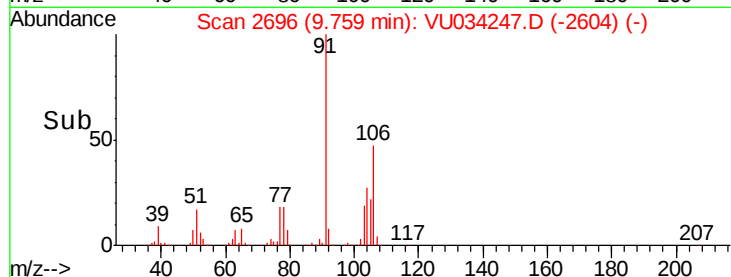
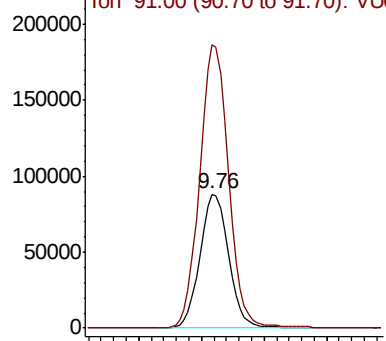
#69
o-Xylene
Concen: 19.086 ug/l
RT: 9.76 min Scan# 2696
Delta R.T. -0.00 min
Lab File: VU034247.D
Acq: 04 Sep 2019 11:05

Instrument :
MSVOA_U
ClientSampleId :
VU0905WBS01

Tgt Ion:106 Resp: 140278
Ion Ratio Lower Upper
106 100
91 213.2 106.0 318.0

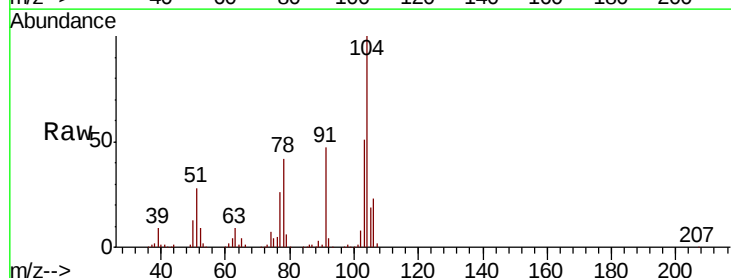


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VU0

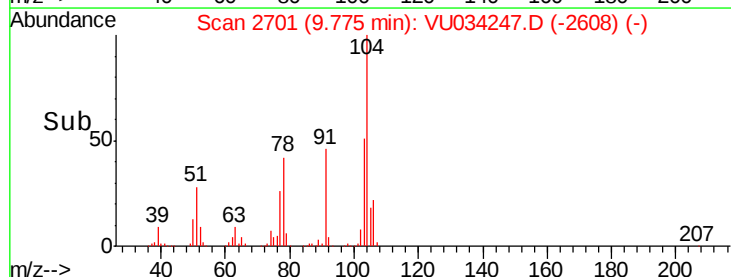
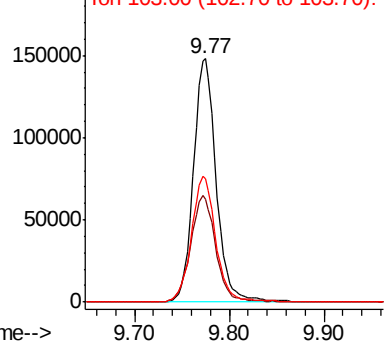


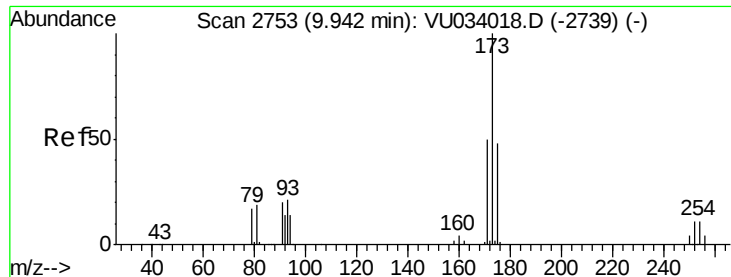
#70
Styrene
Concen: 19.623 ug/l
RT: 9.77 min Scan# 2701
Delta R.T. 0.00 min
Lab File: VU034247.D
Acq: 04 Sep 2019 11:05

Tgt Ion:104 Resp: 247298
Ion Ratio Lower Upper
104 100
78 48.2 39.0 58.4
103 54.8 44.0 66.0



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VU0
Ion 103.00 (102.70 to 103.70): V





#71

Bromoform

Concen: 19.324 ug/l

RT: 9.94 min Scan# 2752

Delta R.T. -0.00 min

Lab File: VU034247.D

Acq: 04 Sep 2019 11:05

Instrument :

MSVOA_U

ClientSampleId :

VU0905WBS01

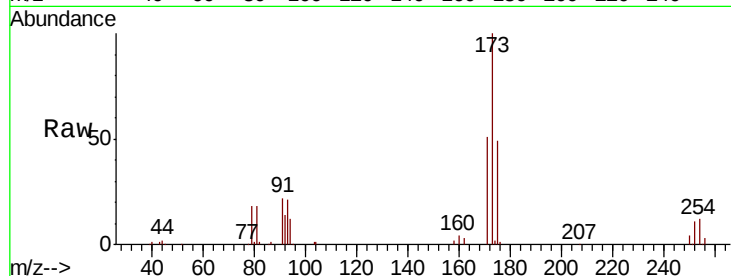
Tgt Ion:173 Resp: 72360

Ion Ratio Lower Upper

173 100

175 48.0 24.6 73.6

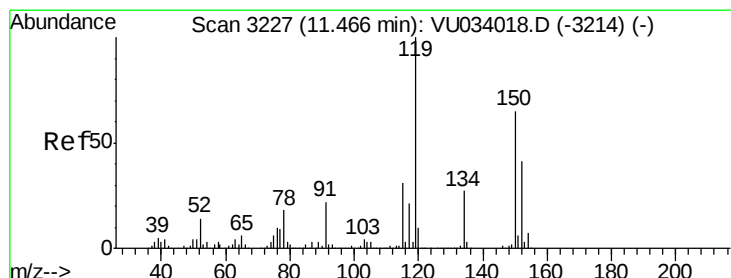
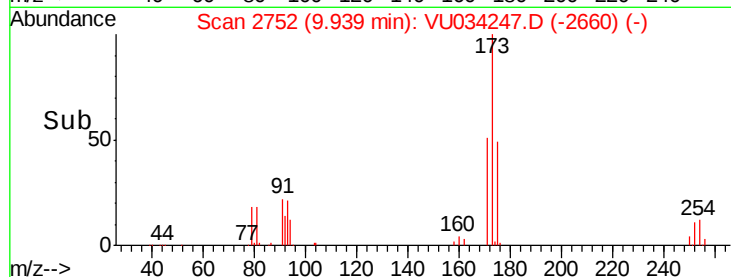
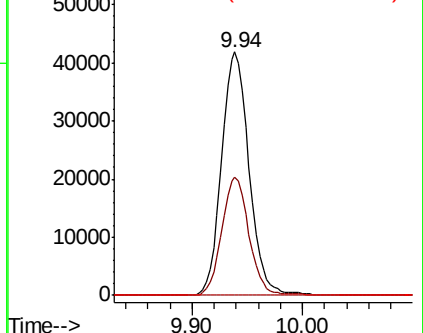
254 0.1 0.0 0.0#



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: VU034247.D

Acq: 04 Sep 2019 11:05

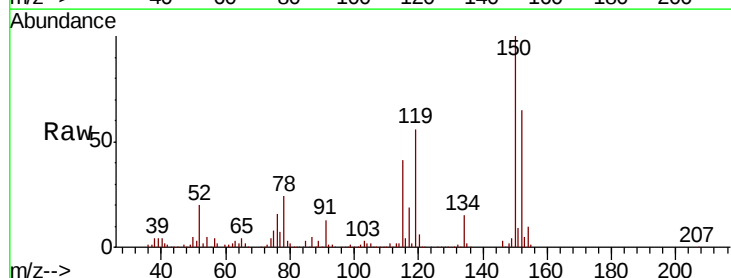
Tgt Ion:152 Resp: 310220

Ion Ratio Lower Upper

152 100

115 65.7 41.1 123.3

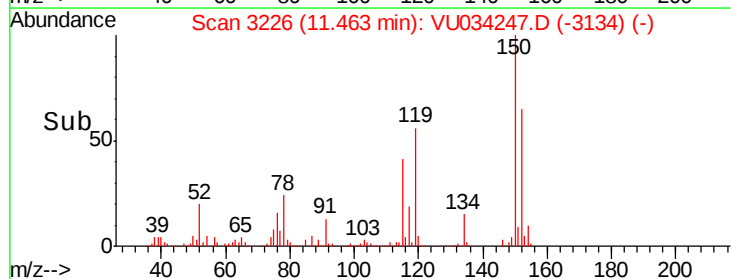
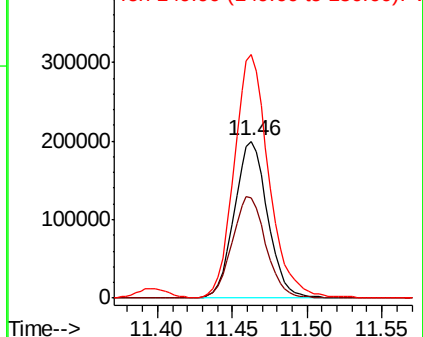
150 160.6 0.0 348.8

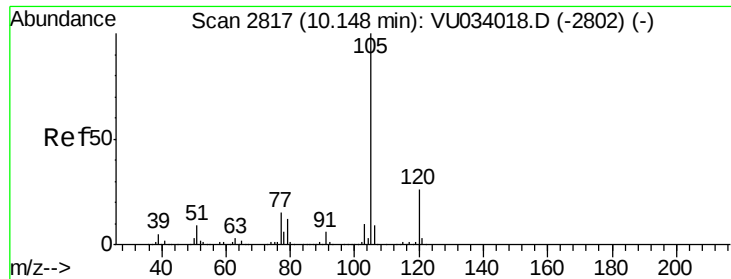


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 18.516 ug/l

RT: 10.15 min Scan# 2817

Delta R.T. 0.00 min

Lab File: VU034247.D

Acq: 04 Sep 2019 11:05

Instrument :

MSVOA_U

ClientSampleId :

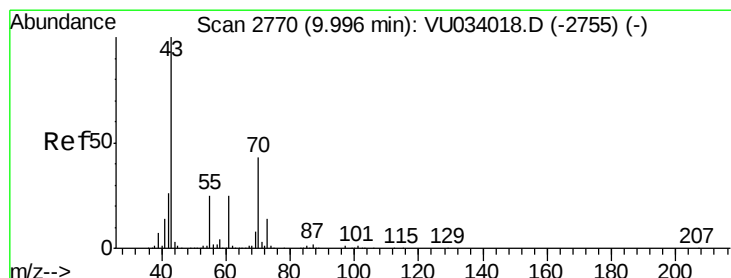
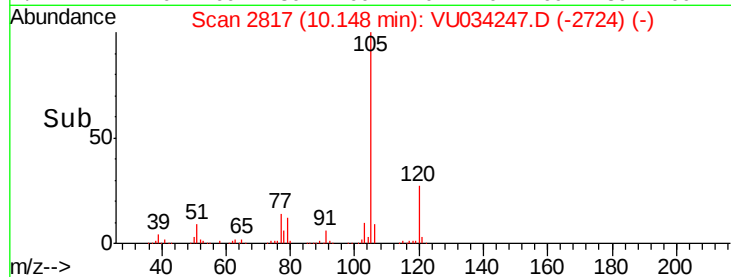
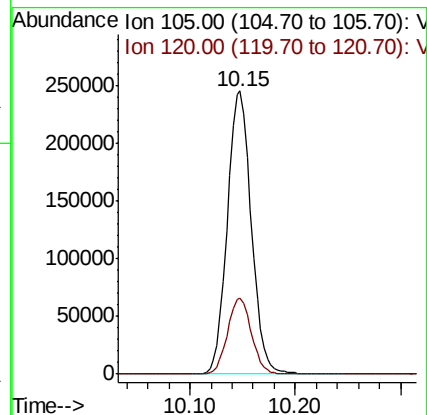
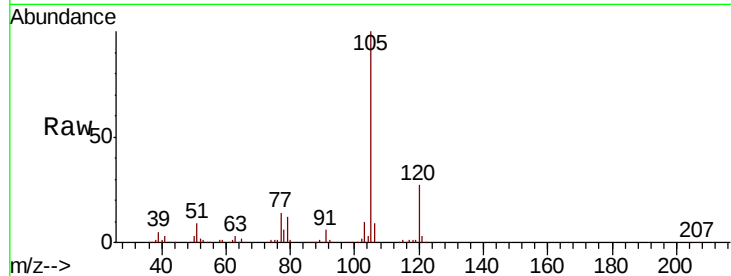
VU0905WBS01

Tgt Ion: 105 Resp: 385821

Ion Ratio Lower Upper

105 100

120 26.7 13.3 39.8



#74

N-ethyl acetate

Concen: 17.809 ug/l

RT: 10.00 min Scan# 2770

Delta R.T. 0.00 min

Lab File: VU034247.D

Acq: 04 Sep 2019 11:05

Tgt Ion: 43 Resp: 156081

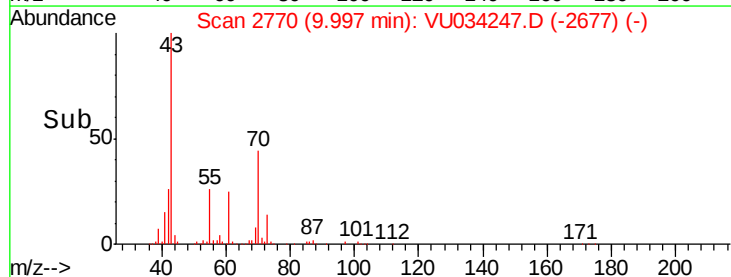
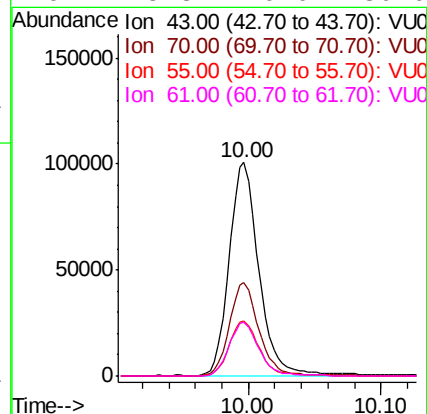
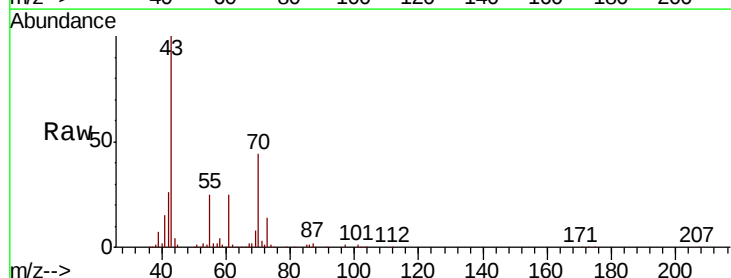
Ion Ratio Lower Upper

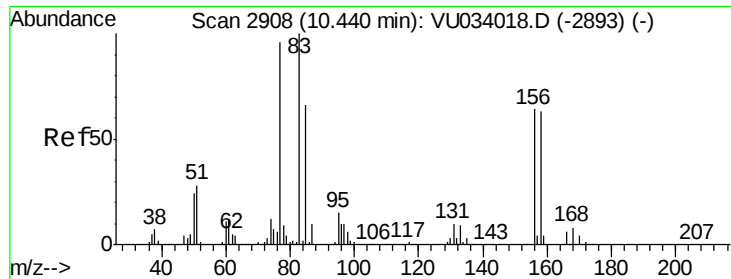
43 100

70 43.6 35.2 52.8

55 26.4 20.5 30.7

61 25.3 20.0 30.0





#75

1,1,2,2-Tetrachloroethane

Concen: 18.756 ug/l

RT: 10.44 min Scan# 2907

Delta R.T. -0.00 min

Lab File: VU034247.D

Acq: 04 Sep 2019 11:05

Instrument :

MSVOA_U

ClientSampleId :

VU0905WBS01

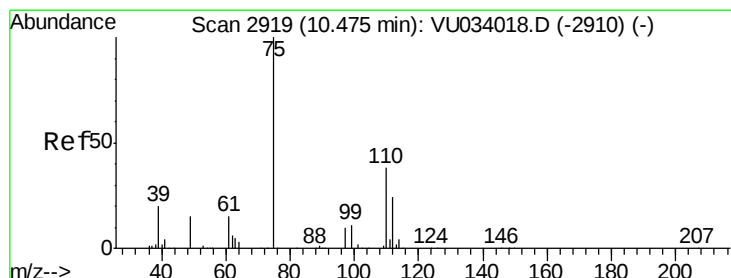
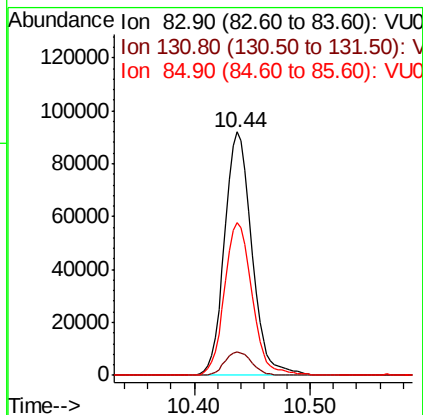
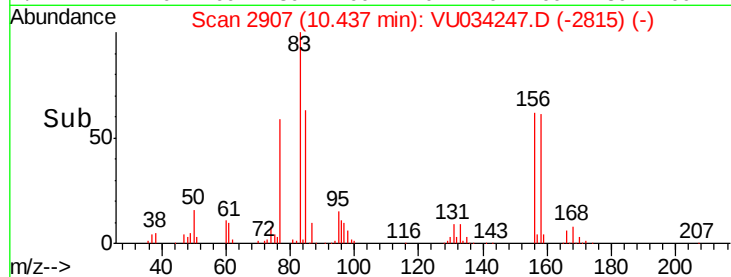
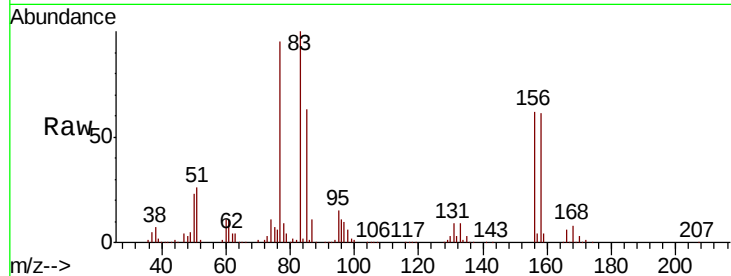
Tgt Ion: 83 Resp: 149584

Ion Ratio Lower Upper

83 100

131 9.6 5.0 14.9

85 63.7 32.2 96.6



#76

1,2,3-Trichloropropane

Concen: 23.151 ug/l

RT: 10.48 min Scan# 2919

Delta R.T. 0.00 min

Lab File: VU034247.D

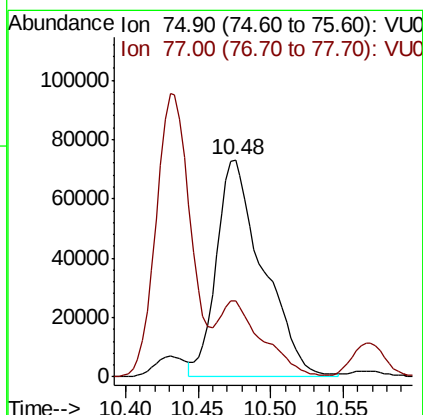
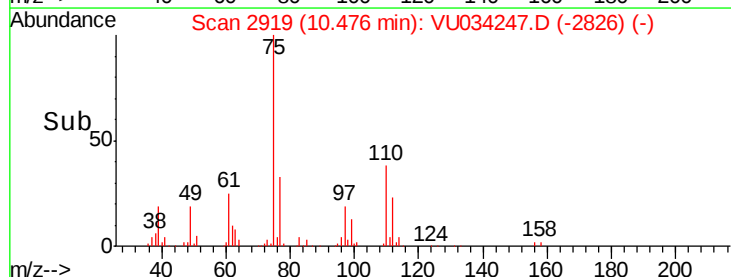
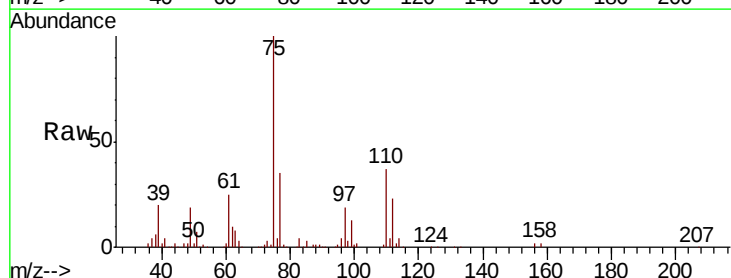
Acq: 04 Sep 2019 11:05

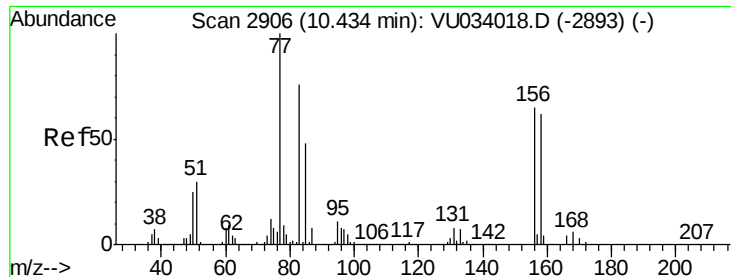
Tgt Ion: 75 Resp: 161866

Ion Ratio Lower Upper

75 100

77 32.6 20.1 60.2





#77

Bromobenzene

Concen: 18.592 ug/l

RT: 10.43 min Scan# 2906

Delta R.T. 0.00 min

Lab File: VU034247.D

Acq: 04 Sep 2019 11:05

Instrument :

MSVOA_U

ClientSampleId :

VU0905WBS01

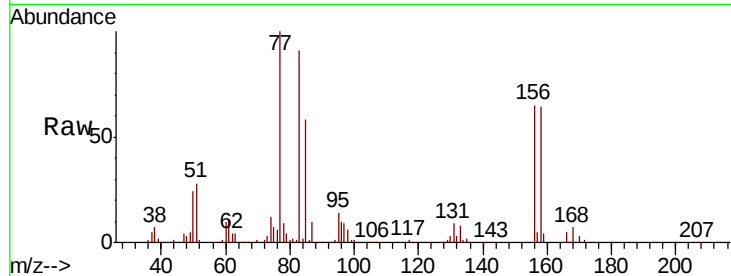
Tgt Ion:156 Resp: 104211

Ion Ratio Lower Upper

156 100

77 153.1 76.8 230.5

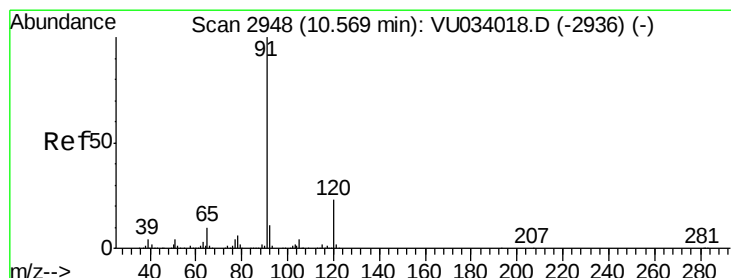
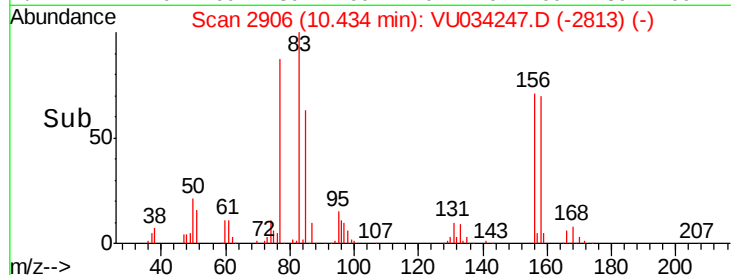
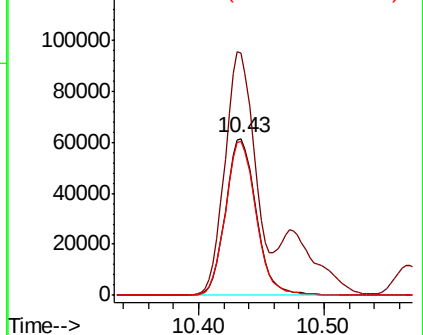
158 98.1 48.4 145.0



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: 18.438 ug/l

RT: 10.57 min Scan# 2948

Delta R.T. 0.00 min

Lab File: VU034247.D

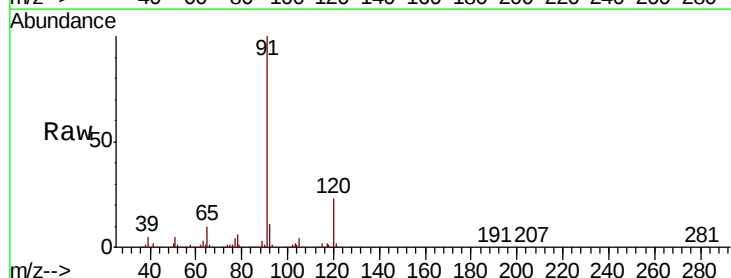
Acq: 04 Sep 2019 11:05

Tgt Ion: 91 Resp: 447446

Ion Ratio Lower Upper

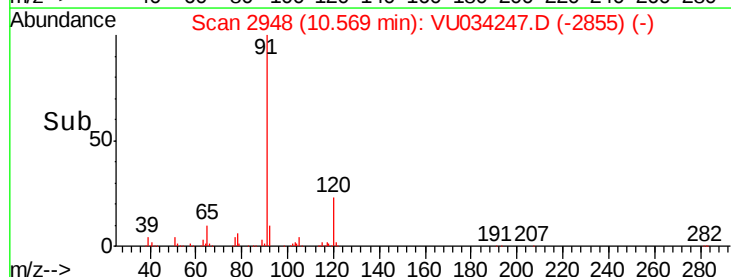
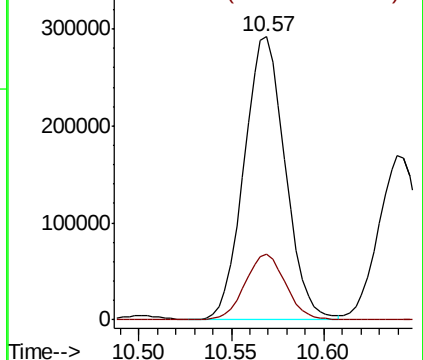
91 100

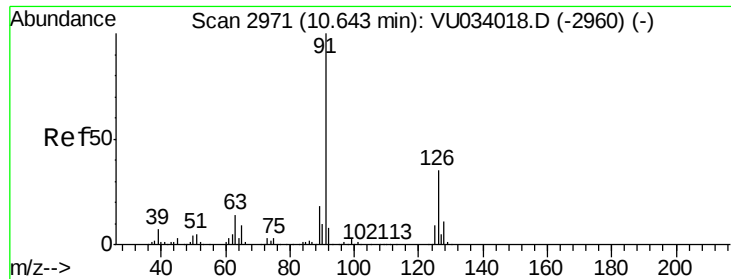
120 23.0 11.7 35.0



Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 18.334 ug/l

RT: 10.64 min Scan# 2970

Delta R.T. -0.00 min

Lab File: VU034247.D

Acq: 04 Sep 2019 11:05

Instrument :

MSVOA_U

ClientSampleId :

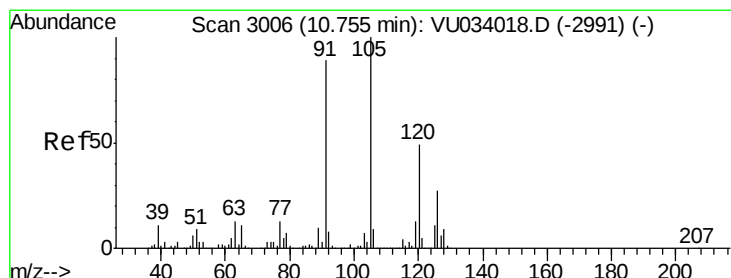
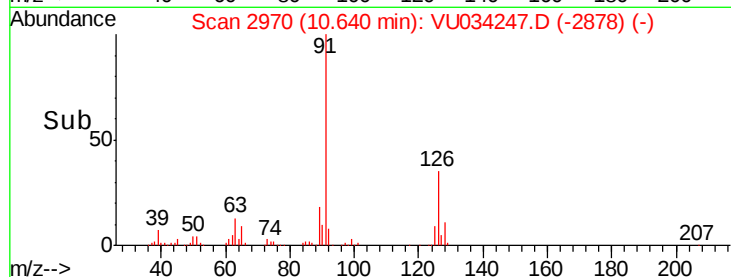
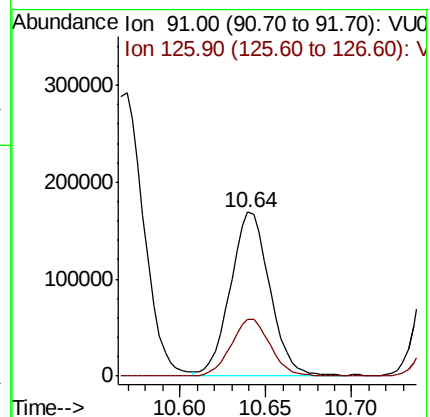
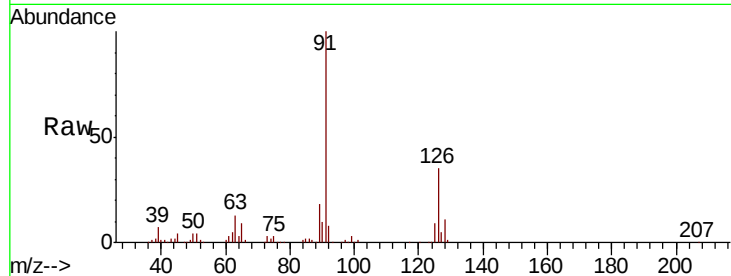
VU0905WBS01

Tgt Ion: 91 Resp: 266860

Ion Ratio Lower Upper

91 100

126 35.1 17.1 51.2



#80

1,3,5-Trimethylbenzene

Concen: 18.950 ug/l

RT: 10.75 min Scan# 3005

Delta R.T. -0.00 min

Lab File: VU034247.D

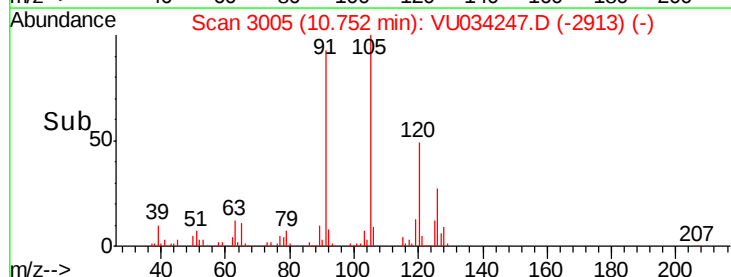
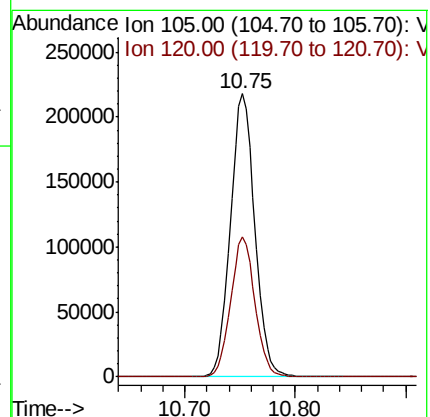
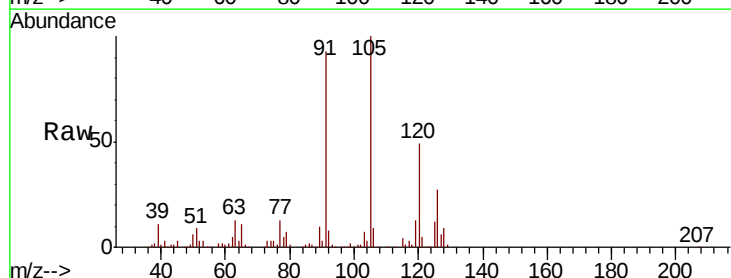
Acq: 04 Sep 2019 11:05

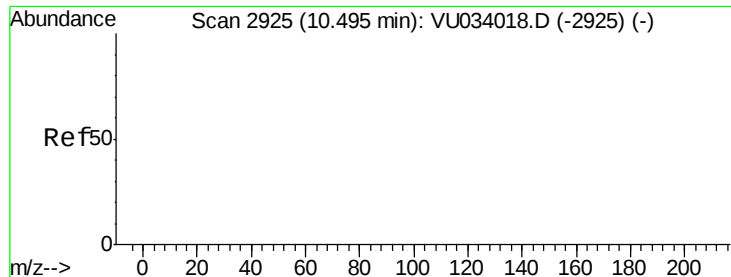
Tgt Ion: 105 Resp: 334669

Ion Ratio Lower Upper

105 100

120 49.3 24.6 73.6





#81

trans-1,4-Dichloro-2-butene

Concen: 78.332 ug/l

RT: 10.48 min Scan# 2919

Delta R.T. -0.02 min

Lab File: VU034247.D

Acq: 04 Sep 2019 11:05

Instrument :

MSVOA_U

ClientSampleId :

VU0905WBS01

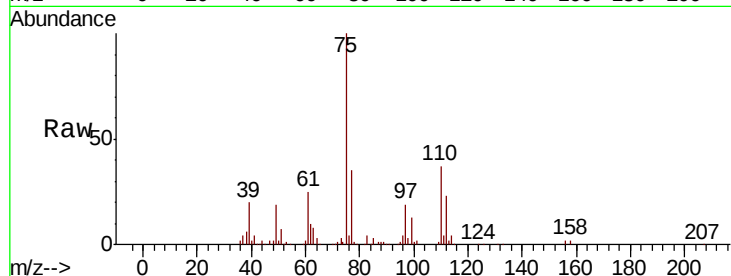
Tgt Ion: 75 Resp: 162650

Ion Ratio Lower Upper

75 100

53 0.0 0.0 0.0

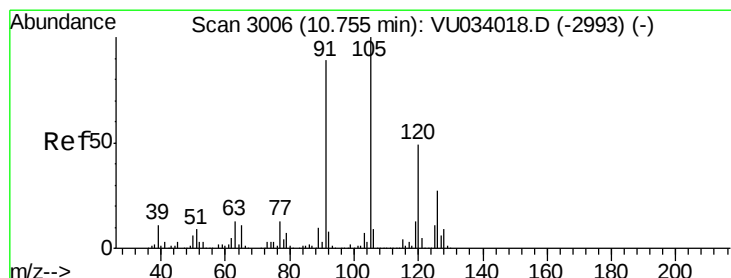
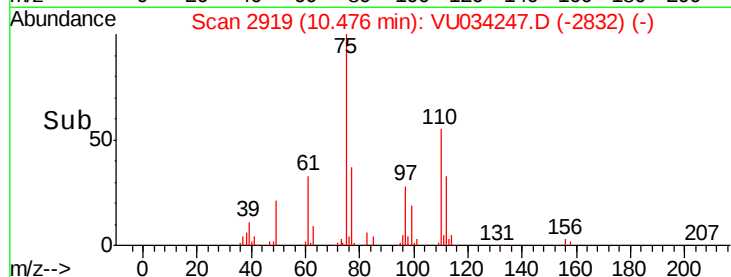
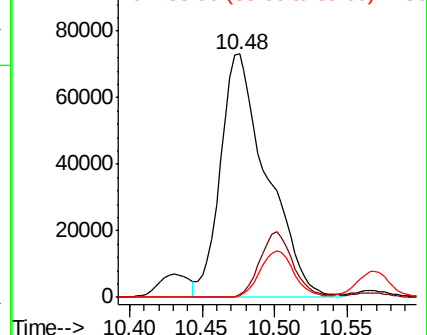
89 0.0 0.0 0.0



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: 18.773 ug/l

RT: 10.75 min Scan# 3005

Delta R.T. -0.00 min

Lab File: VU034247.D

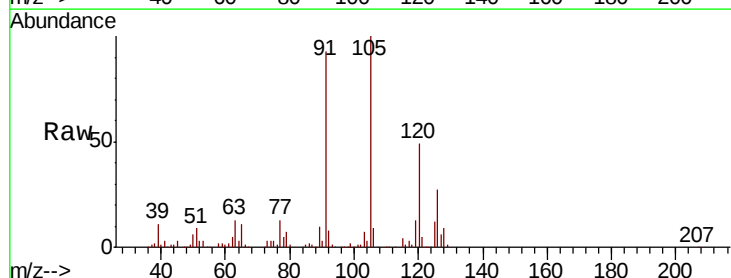
Acq: 04 Sep 2019 11:05

Tgt Ion: 91 Resp: 314249

Ion Ratio Lower Upper

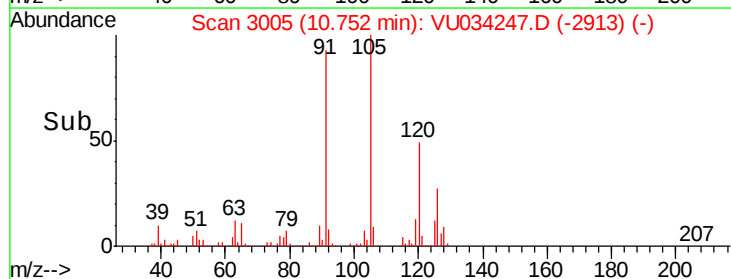
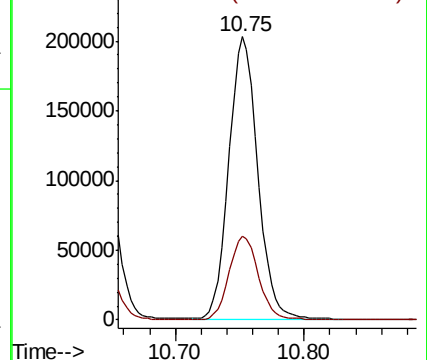
91 100

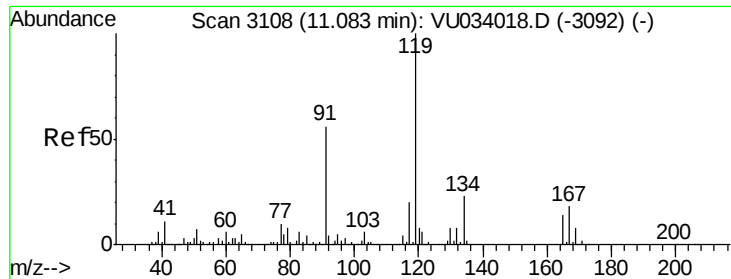
126 30.3 15.0 45.1



Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 125.90 (125.60 to 126.60): V

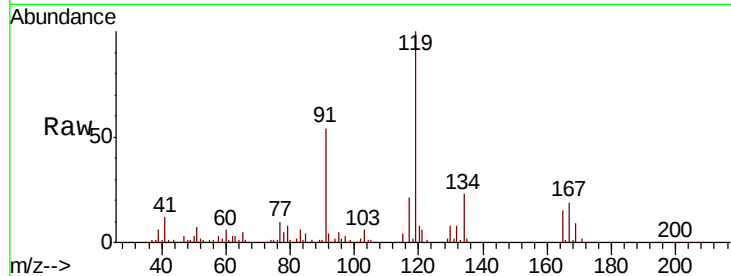




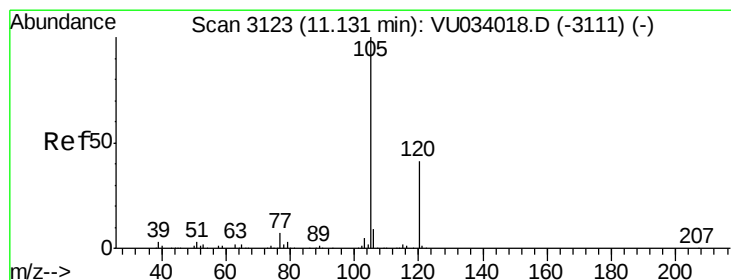
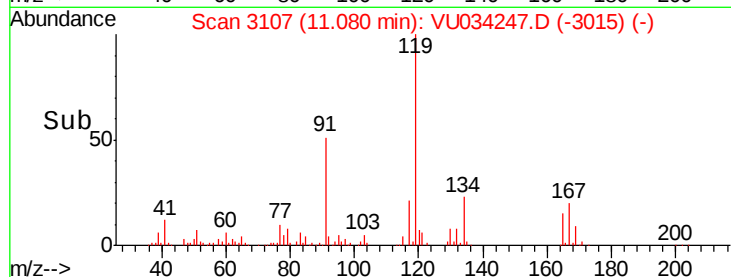
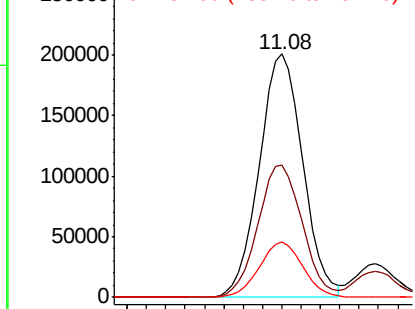
#83
 tert-Butylbenzene
 Concen: 18.100 ug/l
 RT: 11.08 min Scan# 3107
 Delta R.T. -0.00 min
 Lab File: VU034247.D
 Acq: 04 Sep 2019 11:05

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0905WBS01

Tgt Ion:119 Resp: 314688
 Ion Ratio Lower Upper
 119 100
 91 55.3 27.9 83.6
 134 22.8 11.4 34.2

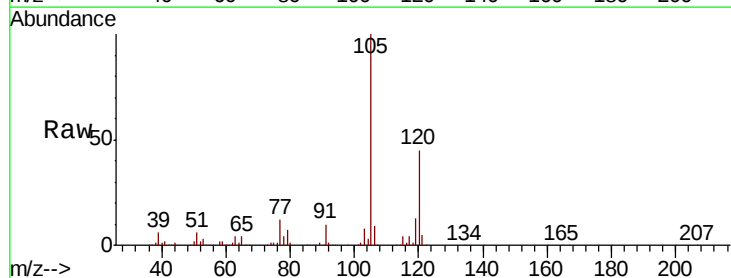


Abundance Ion 119.00 (118.70 to 119.70): V
 Ion 91.00 (90.70 to 91.70): VU0
 Ion 134.00 (133.70 to 134.70): V

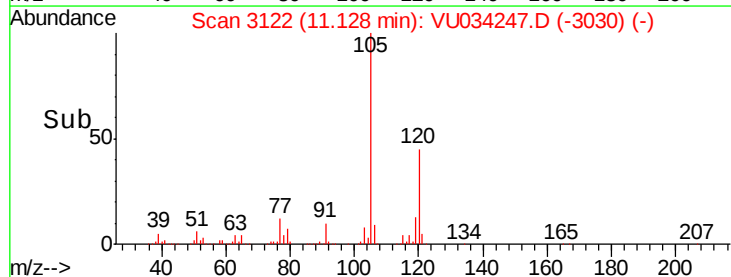
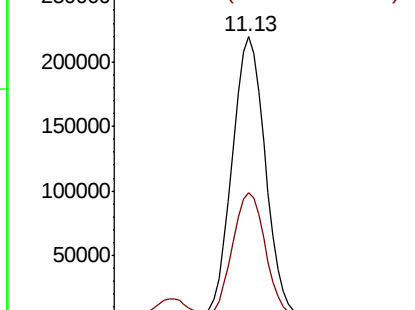


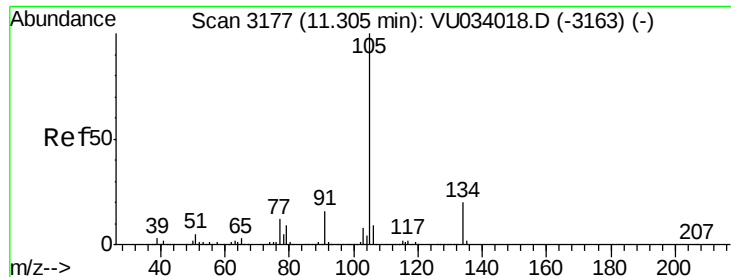
#84
 1,2,4-Trimethylbenzene
 Concen: 18.819 ug/l
 RT: 11.13 min Scan# 3122
 Delta R.T. -0.00 min
 Lab File: VU034247.D
 Acq: 04 Sep 2019 11:05

Tgt Ion:105 Resp: 330021
 Ion Ratio Lower Upper
 105 100
 120 45.8 22.6 67.8



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

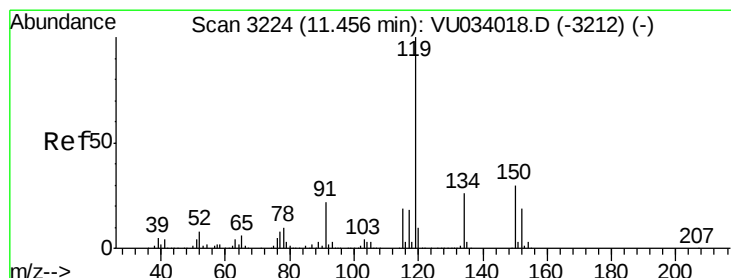
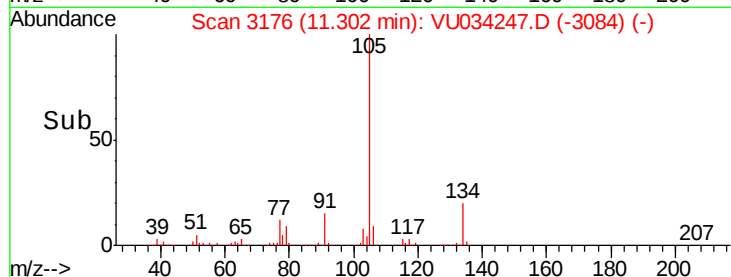
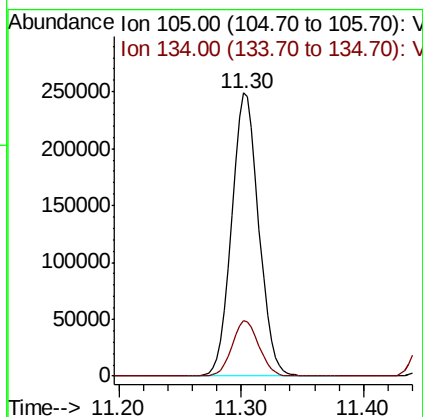
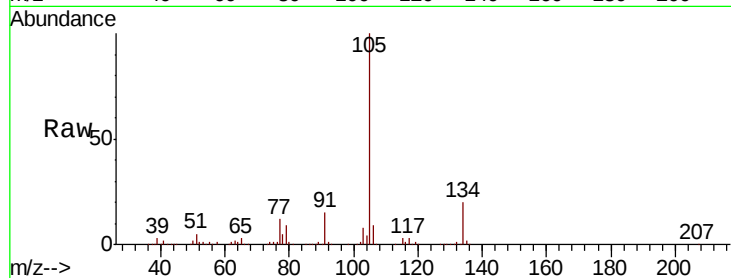




#85
 sec-Butylbenzene
 Concen: 18.408 ug/l
 RT: 11.30 min Scan# 3176
 Delta R.T. -0.00 min
 Lab File: VU034247.D
 Acq: 04 Sep 2019 11:05

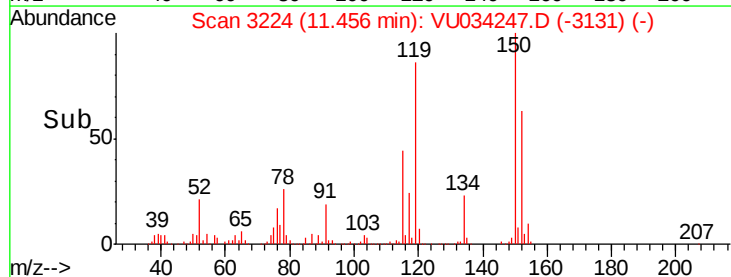
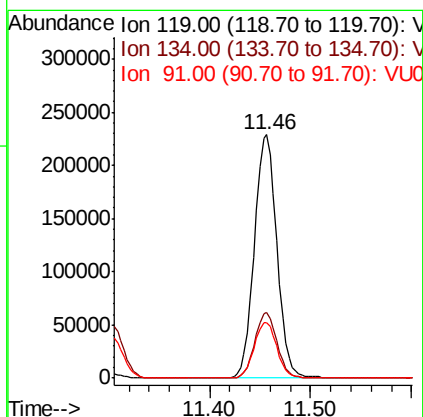
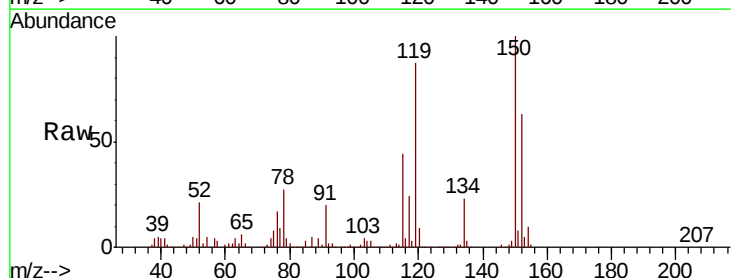
Instrument :
 MSVOA_U
 ClientSampled :
 VU0905WBS01

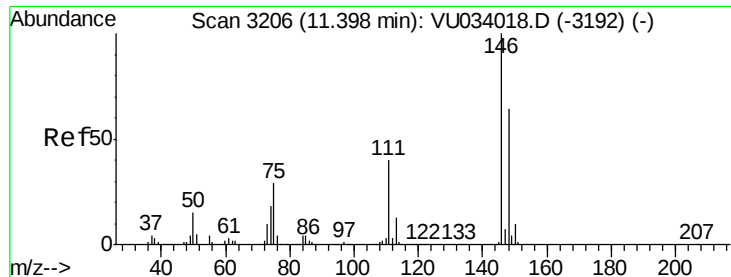
Tgt Ion:105 Resp: 383584
 Ion Ratio Lower Upper
 105 100
 134 19.6 10.0 30.0



#86
 p-Isopropyltoluene
 Concen: 18.681 ug/l
 RT: 11.46 min Scan# 3224
 Delta R.T. 0.00 min
 Lab File: VU034247.D
 Acq: 04 Sep 2019 11:05

Tgt Ion:119 Resp: 352068
 Ion Ratio Lower Upper
 119 100
 134 26.6 13.1 39.1
 91 23.0 11.2 33.6

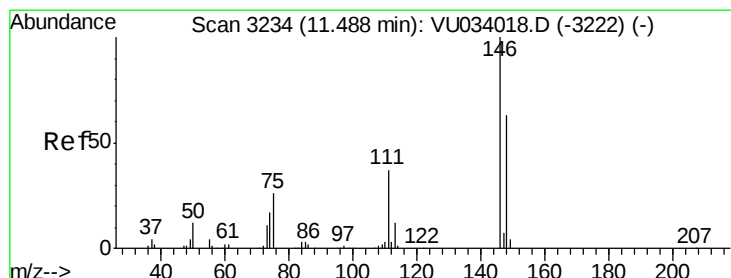
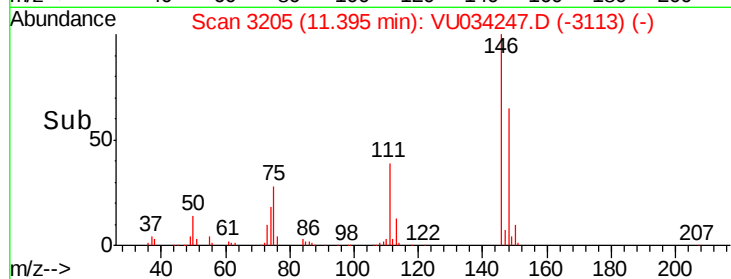
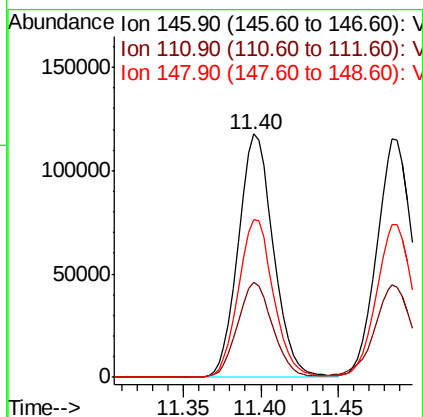
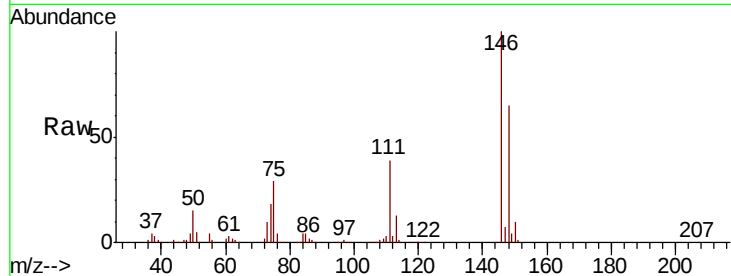




#87
 1,3-Dichlorobenzene
 Concen: 18.783 ug/l
 RT: 11.40 min Scan# 3205
 Delta R.T. -0.00 min
 Lab File: VU034247.D
 Acq: 04 Sep 2019 11:05

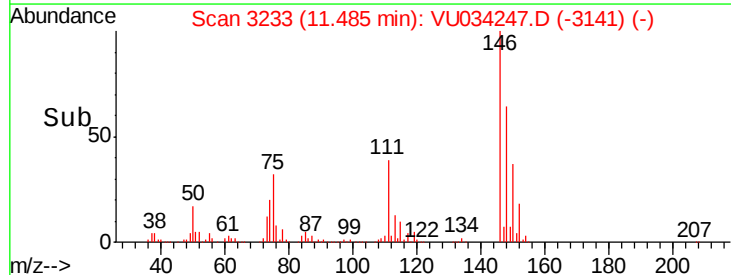
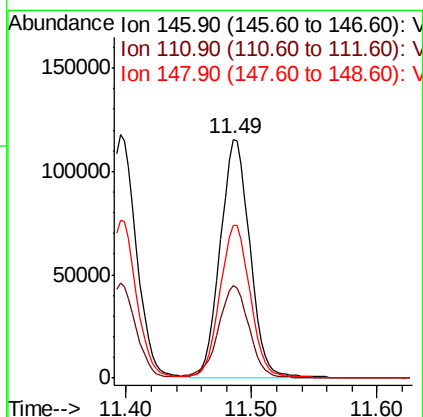
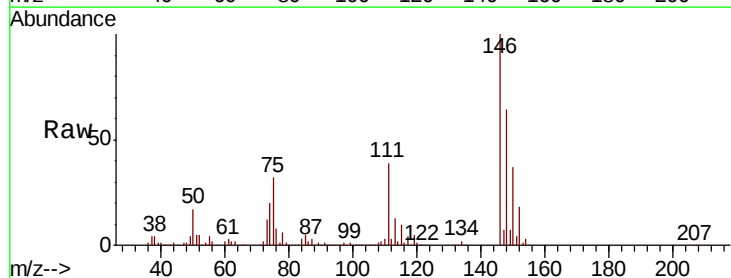
Instrument :
 MSVOA_U
 ClientSampleId :
 VU0905WBS01

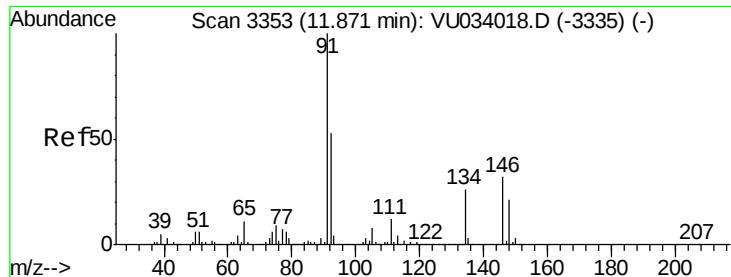
Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.1	19.9	59.6
148	64.9	31.9	95.5



#88
 1,4-Dichlorobenzene
 Concen: 18.836 ug/l
 RT: 11.49 min Scan# 3233
 Delta R.T. -0.00 min
 Lab File: VU034247.D
 Acq: 04 Sep 2019 11:05

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.4	19.2	57.6
148	65.3	31.9	95.9

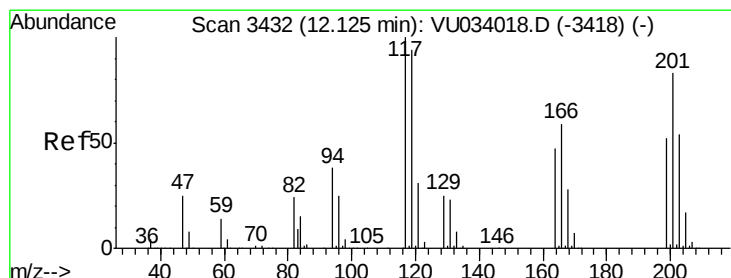
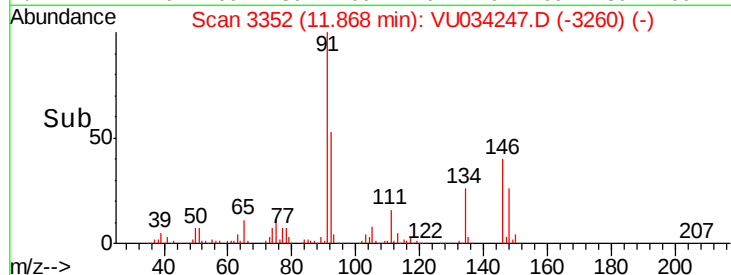
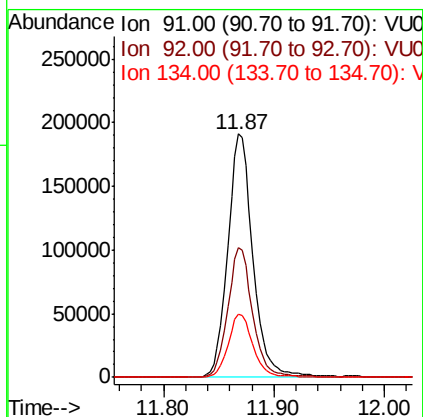
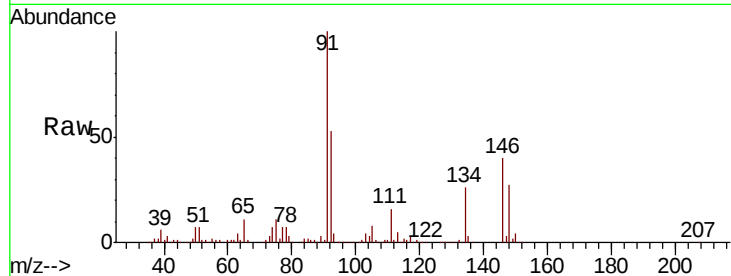




#89
n-Butylbenzene
Concen: 18.279 ug/l
RT: 11.87 min Scan# 3352
Delta R.T. -0.00 min
Lab File: VU034247.D
Acq: 04 Sep 2019 11:05

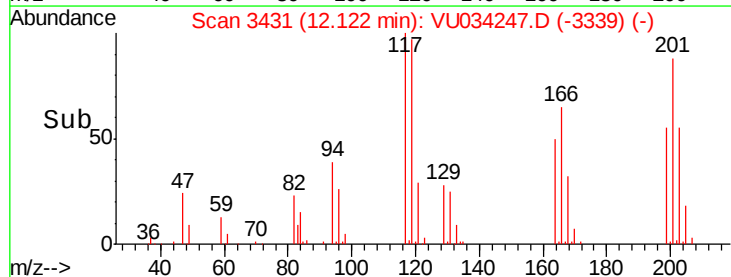
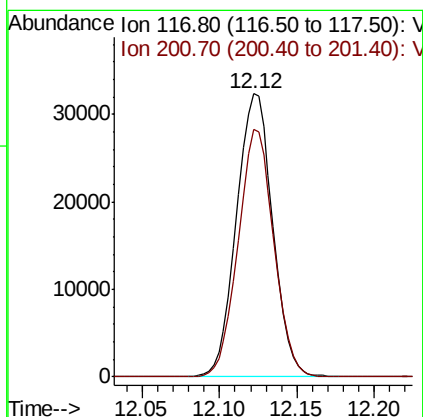
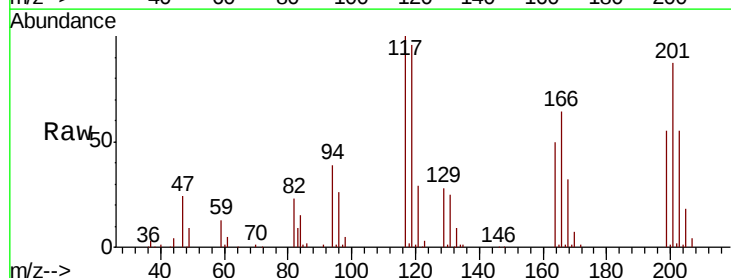
Instrument :
MSVOA_U
ClientSampleId :
VU0905WBS01

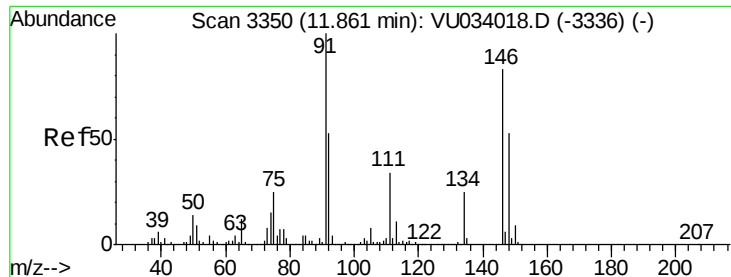
Tgt Ion: 91 Resp: 303717
Ion Ratio Lower Upper
91 100
92 52.6 26.3 78.9
134 25.7 12.9 38.7



#90
Hexachloroethane
Concen: 16.142 ug/l
RT: 12.12 min Scan# 3431
Delta R.T. -0.00 min
Lab File: VU034247.D
Acq: 04 Sep 2019 11:05

Tgt Ion: 117 Resp: 52598
Ion Ratio Lower Upper
117 100
201 86.0 42.5 127.6

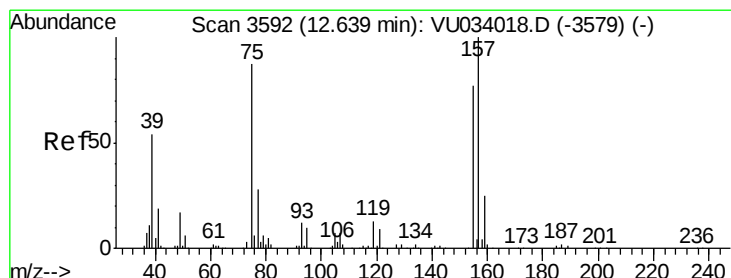
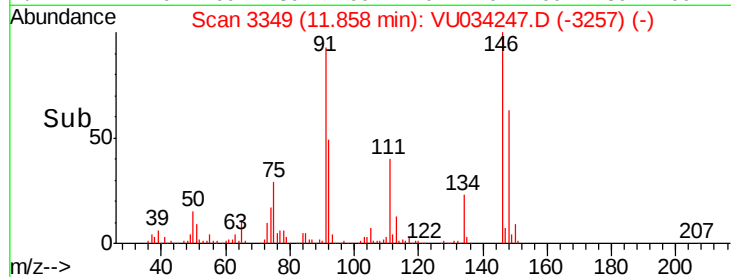
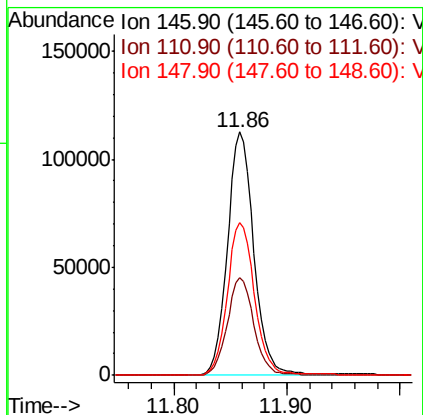
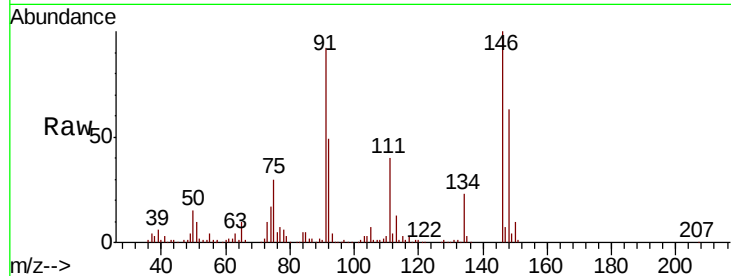




#91
 1,2-Dichlorobenzene
 Concen: 19.231 ug/l
 RT: 11.86 min Scan# 3349
 Delta R.T. -0.00 min
 Lab File: VU034247.D
 Acq: 04 Sep 2019 11:05

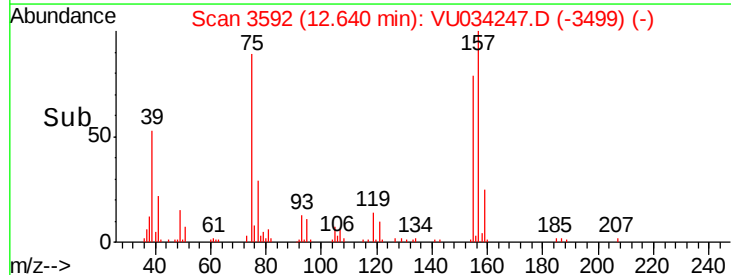
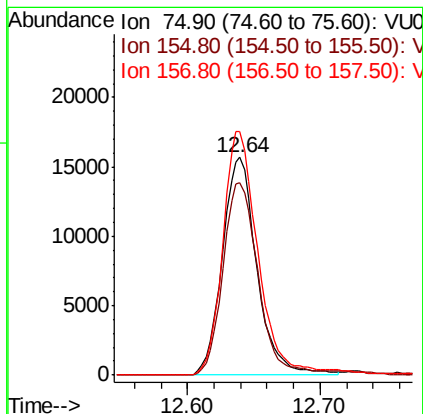
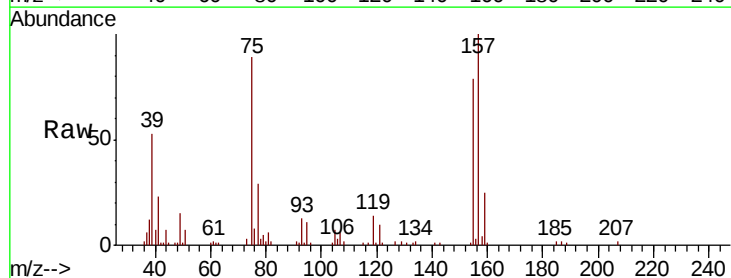
Instrument :
 MSVOA_U
 ClientSampleId :
 VU0905WBS01

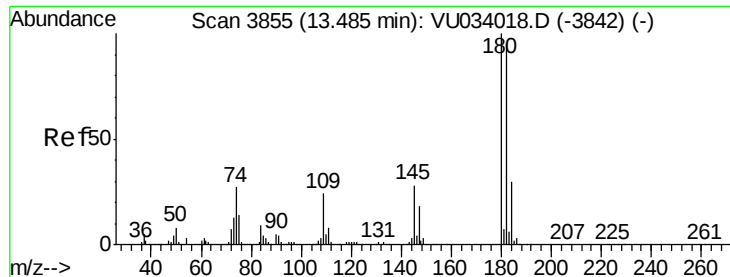
Tgt Ion: 146 Resp: 182805
 Ion Ratio Lower Upper
 146 100
 111 40.9 20.4 61.2
 148 64.7 32.3 96.8



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 17.864 ug/l
 RT: 12.64 min Scan# 3592
 Delta R.T. 0.00 min
 Lab File: VU034247.D
 Acq: 04 Sep 2019 11:05

Tgt Ion: 75 Resp: 28383
 Ion Ratio Lower Upper
 75 100
 155 89.7 43.5 130.7
 157 112.8 56.9 170.6

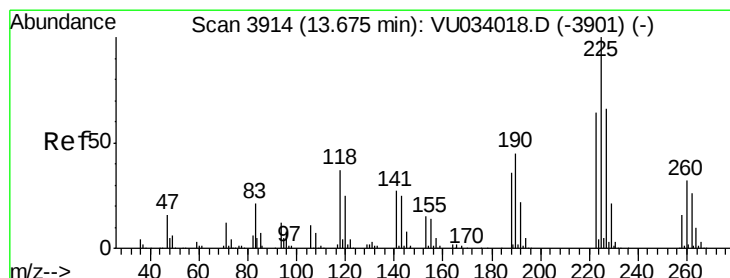
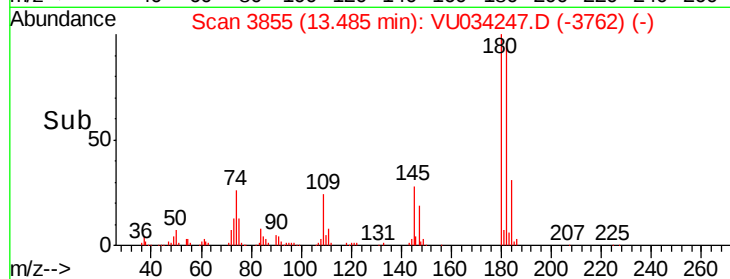
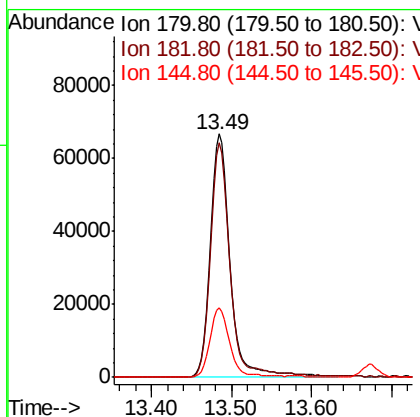
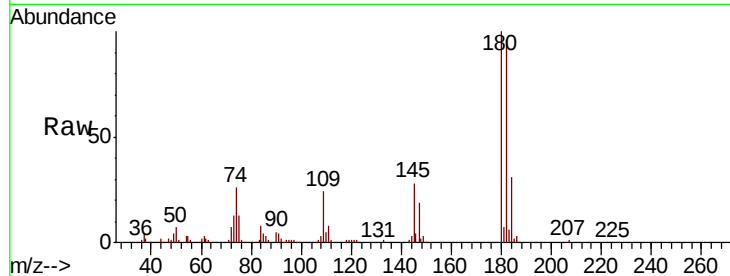




#93
 1,2,4-Trichlorobenzene
 Concen: 17.858 ug/l
 RT: 13.49 min Scan# 3855
 Delta R.T. 0.00 min
 Lab File: VU034247.D
 Acq: 04 Sep 2019 11:05

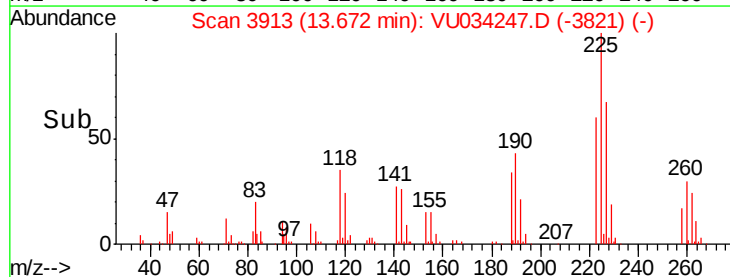
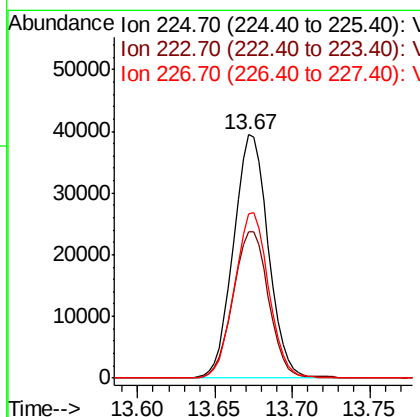
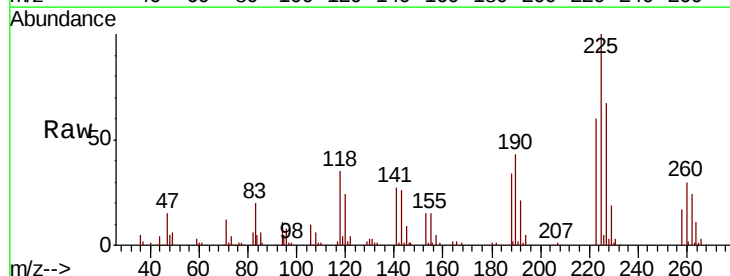
Instrument :
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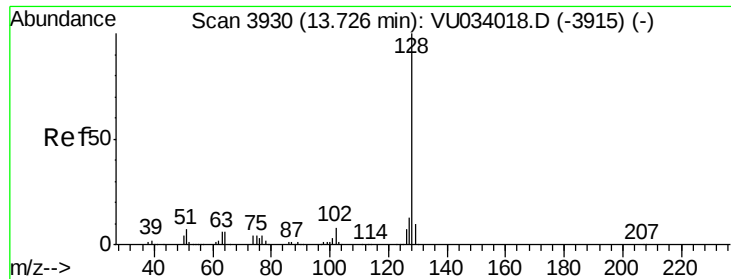
Tgt Ion:180 Resp: 115794
 Ion Ratio Lower Upper
 180 100
 182 92.9 47.4 142.2
 145 28.5 14.1 42.3



#94
 Hexachlorobutadiene
 Concen: 16.549 ug/l
 RT: 13.67 min Scan# 3913
 Delta R.T. -0.00 min
 Lab File: VU034247.D
 Acq: 04 Sep 2019 11:05

Tgt Ion:225 Resp: 61540
 Ion Ratio Lower Upper
 225 100
 223 61.4 31.8 95.3
 227 67.4 32.6 97.8

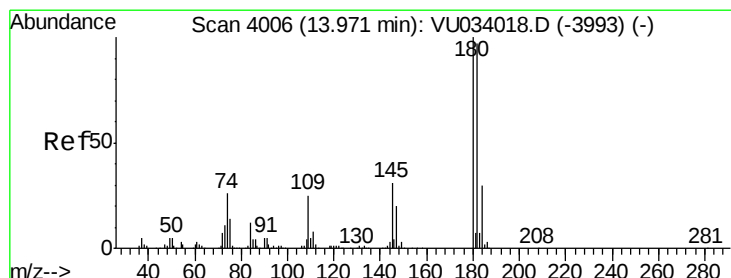
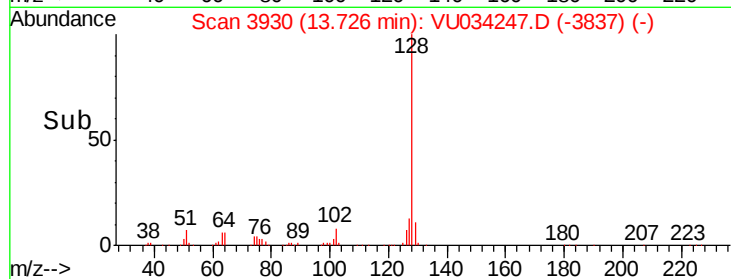
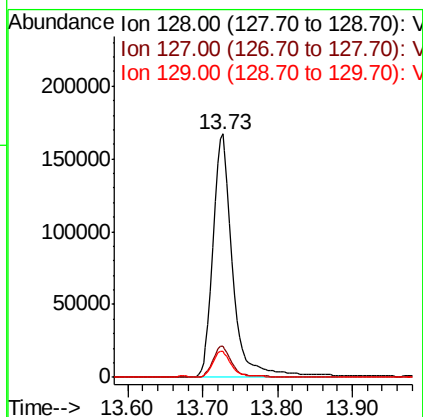
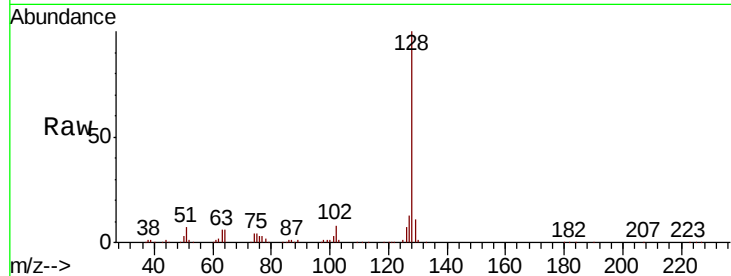




#95
Naphthalene
Concen: 17.204 ug/l
RT: 13.73 min Scan# 3930
Delta R.T. 0.00 min
Lab File: VU034247.D
Acq: 04 Sep 2019 11:05

Instrument :
MSVOA_U
ClientSampleId :
VU0905WBS01

Tgt Ion:128 Resp: 309555
Ion Ratio Lower Upper
128 100
127 12.6 10.2 15.4
129 10.3 8.4 12.6



#96
1,2,3-Trichlorobenzene
Concen: 19.189 ug/l
RT: 13.97 min Scan# 4006
Delta R.T. 0.00 min
Lab File: VU034247.D
Acq: 04 Sep 2019 11:05

Tgt Ion:180 Resp: 116846
Ion Ratio Lower Upper
180 100
182 95.6 48.2 144.6
145 30.3 15.5 46.5

