

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU091219\
 Data File : VU034523.D
 Acq On : 12 Sep 2019 16:28
 Operator : JC/SP
 Sample : VN0912WBS03
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0912WBS03

Quant Time: Sep 13 07:10:25 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U090619W.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 06 05:10:13 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.96	168	254448	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.86	114	355258	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.07	117	355887	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.46	152	238738	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.29	65	222147	57.70	ug/l	0.00
Spiked Amount	50.000		Recovery	=	115.40%	
35) Dibromofluoromethane	4.86	113	200837	60.75	ug/l	0.00
Spiked Amount	50.000		Recovery	=	121.50%	
50) Toluene-d8	7.54	98	744862	59.98	ug/l	0.00
Spiked Amount	50.000		Recovery	=	119.96%	
62) 4-Bromofluorobenzene	10.29	95	283882	59.20	ug/l	0.00
Spiked Amount	50.000		Recovery	=	118.40%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.20	85	56085	21.075	ug/l	98
3) Chloromethane	1.32	50	67700	23.502	ug/l	100
4) Vinyl Chloride	1.40	62	68683	20.712	ug/l	98
5) Bromomethane	1.62	94	45553	24.933	ug/l	97
6) Chloroethane	1.69	64	45018	22.812	ug/l	96
7) Trichlorofluoromethane	1.88	101	101491	22.826	ug/l	99
8) Diethyl Ether	2.09	74	45241	23.132	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.28	101	68994	23.428	ug/l	99
10) Methyl Iodide	2.40	142	43340	18.695	ug/l	98
11) Tert butyl alcohol	2.81	59	103178	126.857	ug/l	98
12) 1,1-Dichloroethene	2.27	96	61848	22.341	ug/l	96
13) Acrolein	2.18	56	34947	51.122	ug/l	100
14) Allyl chloride	2.58	41	101972	19.267	ug/l	90
15) Acrylonitrile	2.92	53	245854	121.385	ug/l	98
16) Acetone	2.31	43	242571	121.755	ug/l	99
17) Carbon Disulfide	2.47	76	116418	18.711	ug/l	100
18) Methyl Acetate	2.60	43	113975	23.511	ug/l	100
19) Methyl tert-butyl Ether	2.98	73	245118	24.292	ug/l	98
20) Methylene Chloride	2.69	84	80418	24.439	ug/l	97
21) trans-1,2-Dichloroethene	2.97	96	65085	22.310	ug/l	98
22) Diisopropyl ether	3.55	45	253737	24.583	ug/l	91
23) Vinyl Acetate	3.50	43	1003554	119.365	ug/l	99
24) 1,1-Dichloroethane	3.43	63	142649	23.143	ug/l	99
25) 2-Butanone	4.24	43	330040	124.101	ug/l	100
26) 2,2-Dichloropropane	4.20	77	119679	24.141	ug/l	100
27) cis-1,2-Dichloroethene	4.20	96	83929	23.687	ug/l	98
28) Bromochloromethane	4.52	49	75949	26.788	ug/l	97
29) Tetrahydrofuran	4.61	42	195650	120.899	ug/l	100
30) Chloroform	4.65	83	146226	23.339	ug/l	100
31) Cyclohexane	4.97	56	98068	21.747	ug/l	98
32) 1,1,1-Trichloroethane	4.89	97	119740	23.903	ug/l	98
36) 1,1-Dichloropropene	5.12	75	89180	23.147	ug/l	100
37) Ethyl Acetate	4.36	43	108875	23.901	ug/l	99
38) Carbon Tetrachloride	5.11	117	100873	24.521	ug/l	96

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 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U090619W.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 06 05:10:13 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.40	83	93302	22.654	ug/l	98
40) Benzene	5.37	78	299222	24.069	ug/l	99
41) Methacrylonitrile	4.52	41	61885	25.505	ug/l	99
42) 1,2-Dichloroethane	5.38	62	105991	24.556	ug/l	99
43) Isopropyl Acetate	5.53	43	173531	24.420	ug/l	99
44) Trichloroethene	6.17	130	79675	23.160	ug/l	95
45) 1,2-Dichloropropane	6.41	63	88333	24.305	ug/l	97
46) Dibromomethane	6.54	93	56873	24.930	ug/l	98
47) Bromodichloromethane	6.73	83	115796	24.659	ug/l	98
48) Methyl methacrylate	6.60	41	79231	23.475	ug/l	95
49) 1,4-Dioxane	6.59	88	35653	483.753	ug/l	98
51) 4-Methyl-2-Pentanone	7.44	43	609514	123.913	ug/l	99
52) Toluene	7.62	92	193668	24.833	ug/l	99
53) t-1,3-Dichloropropene	7.86	75	119760	24.602	ug/l	100
54) cis-1,3-Dichloropropene	7.25	75	133456	24.979	ug/l	99
55) 1,1,2-Trichloroethane	8.04	97	88788	25.073	ug/l	99
56) Ethyl methacrylate	8.00	69	120731	24.136	ug/l	98
57) 1,3-Dichloropropane	8.22	76	141908	24.610	ug/l	100
58) 2-Chloroethyl Vinyl ether	7.11	63	192551	115.370	ug/l	99
59) 2-Hexanone	8.34	43	466019	126.820	ug/l	99
60) Dibromochloromethane	8.45	129	96088	25.298	ug/l	99
61) 1,2-Dibromoethane	8.57	107	86179	24.864	ug/l	100
64) Tetrachloroethene	8.21	164	72547	23.497	ug/l	97
65) Chlorobenzene	9.10	112	222772	24.673	ug/l	99
66) 1,1,1,2-Tetrachloroethane	9.19	131	85777	24.893	ug/l	100
67) Ethyl Benzene	9.23	91	359796	24.372	ug/l	99
68) m/p-Xylenes	9.35	106	282576	50.831	ug/l	99
69) o-Xylene	9.76	106	136351	25.080	ug/l	100
70) Styrene	9.77	104	245615	25.768	ug/l	98
71) Bromoform	9.94	173	75126	25.157	ug/l #	99
73) Isopropylbenzene	10.14	105	376071	24.206	ug/l	100
74) N-amyl acetate	9.99	43	150997	24.145	ug/l	99
75) 1,1,2,2-Tetrachloroethane	10.43	83	151020	24.014	ug/l	100
76) 1,2,3-Trichloropropane	10.47	75	164138	31.497	ug/l	86
77) Bromobenzene	10.43	156	104593	24.076	ug/l	98
78) n-propylbenzene	10.57	91	439892	24.516	ug/l	99
79) 2-Chlorotoluene	10.64	91	268439	24.519	ug/l	100
80) 1,3,5-Trimethylbenzene	10.75	105	330196	25.412	ug/l	100
81) trans-1,4-Dichloro-2-buten	10.47	75	164138	105.922	ug/l #	100
82) 4-Chlorotoluene	10.75	91	309831	24.592	ug/l	99
83) tert-Butylbenzene	11.08	119	317879	24.455	ug/l	99
84) 1,2,4-Trimethylbenzene	11.13	105	329244	25.172	ug/l	99
85) sec-Butylbenzene	11.30	105	383700	25.003	ug/l	100
86) p-Isopropyltoluene	11.45	119	354845	25.052	ug/l	100
87) 1,3-Dichlorobenzene	11.40	146	194286	24.509	ug/l	99
88) 1,4-Dichlorobenzene	11.49	146	193800	23.439	ug/l	99
89) n-Butylbenzene	11.87	91	304644	24.750	ug/l	100
90) Hexachloroethane	12.12	117	53290	23.516	ug/l	99
91) 1,2-Dichlorobenzene	11.86	146	190712	24.479	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.64	75	28583	24.734	ug/l	98

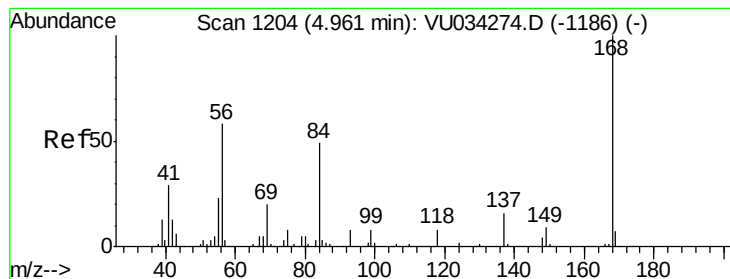
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_U\DATA\VU091219\
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_U\METHOD\82U090619W.M
Quant Title : SW846 8260
QLast Update : Fri Sep 06 05:10:13 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.49	180	121077	23.401	ug/l	99
94) Hexachlorobutadiene	13.67	225	61978	22.743	ug/l	99
95) Naphthalene	13.72	128	316982	22.307	ug/l	99
96) 1,2,3-Trichlorobenzene	13.97	180	125122	24.355	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.96 min Scan# 1204

Delta R.T. 0.00 min

Lab File: VU034523.D

Acq: 12 Sep 2019 16:28

Instrument :

MSVOA_U

ClientSampleId :

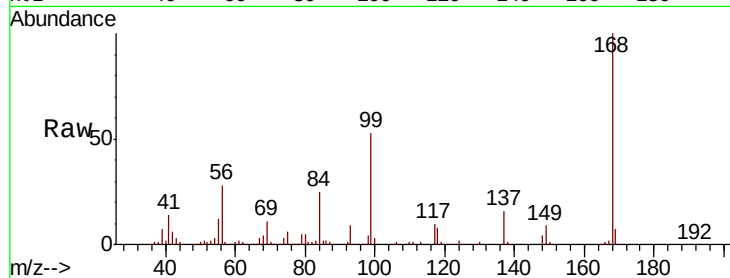
VU0912WBS03

Tgt Ion:168 Resp: 254448

Ion Ratio Lower Upper

168 100

99 52.4 41.6 62.4



Abundance Ion 167.90 (167.60 to 168.60): VU034274.D (-1186) (-)

Ion 98.90 (98.60 to 99.60): VU034274.D (-1186) (-)

4.96

120000

100000

80000

60000

40000

20000

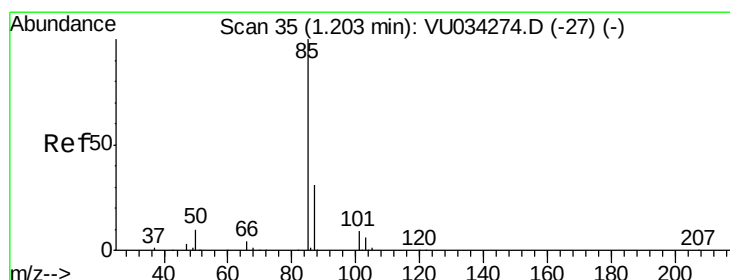
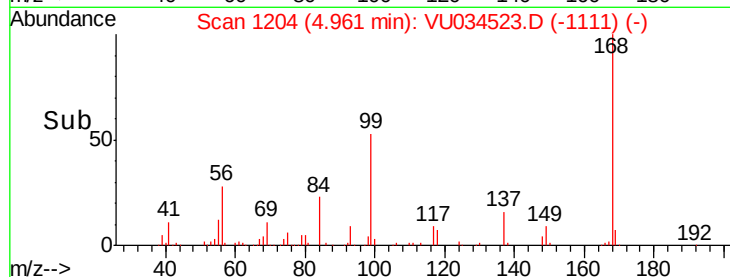
0

4.90

5.00

5.10

Time-->



#2

Dichlorodifluoromethane

Concen: 21.075 ug/l

RT: 1.20 min Scan# 35

Delta R.T. 0.00 min

Lab File: VU034523.D

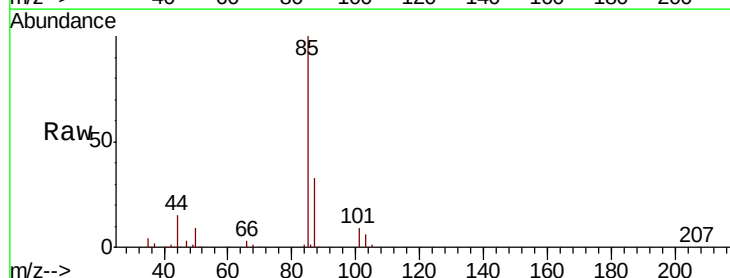
Acq: 12 Sep 2019 16:28

Tgt Ion: 85 Resp: 56085

Ion Ratio Lower Upper

85 100

87 32.6 15.7 47.0



Abundance Ion 84.90 (84.60 to 85.60): VU034274.D (-27) (-)

Ion 86.90 (86.60 to 87.60): VU034274.D (-27) (-)

1.20

60000

50000

40000

30000

20000

10000

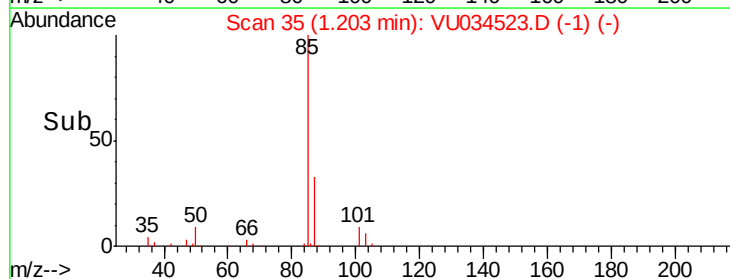
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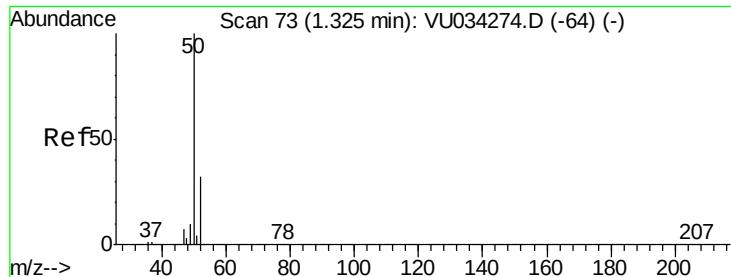
1.15

1.20

1.25

Time-->





#3

Chloromethane

Concen: 23.502 ug/l

RT: 1.32 min Scan# 73

Delta R.T. 0.00 min

Lab File: VU034523.D

Acq: 12 Sep 2019 16:28

Instrument :

MSVOA_U

ClientSampleId :

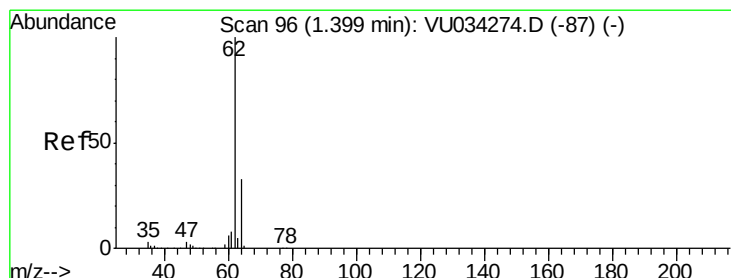
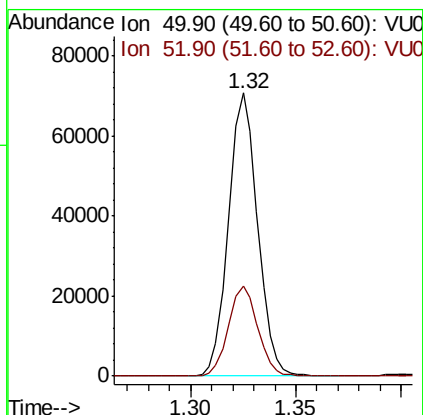
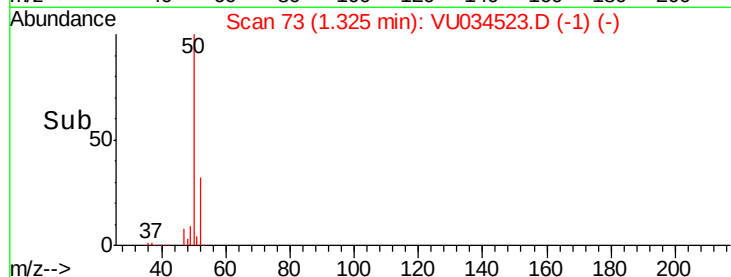
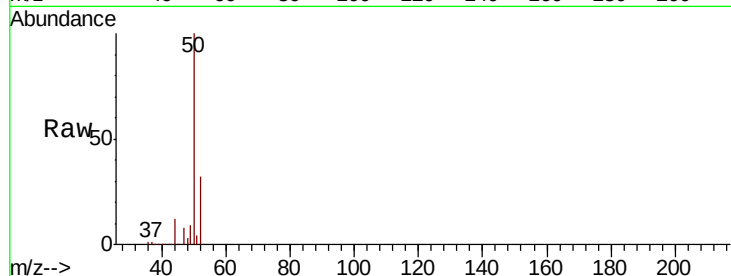
VU0912WBS03

Tgt Ion: 50 Resp: 67700

Ion Ratio Lower Upper

50 100

52 32.0 25.8 38.6



#4

Vinyl Chloride

Concen: 20.712 ug/l

RT: 1.40 min Scan# 96

Delta R.T. 0.00 min

Lab File: VU034523.D

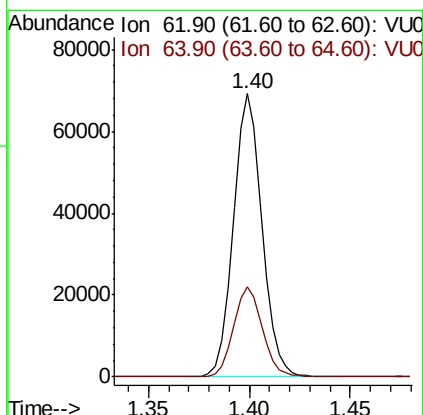
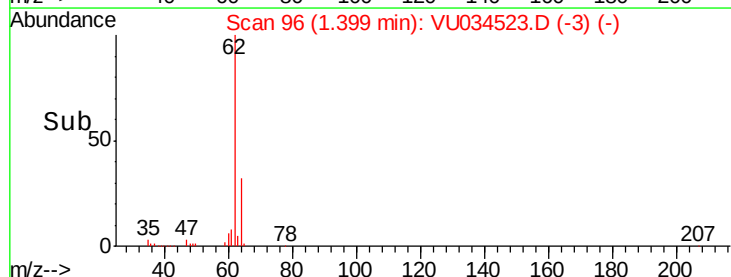
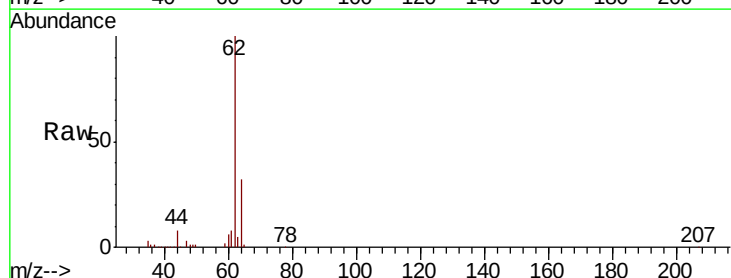
Acq: 12 Sep 2019 16:28

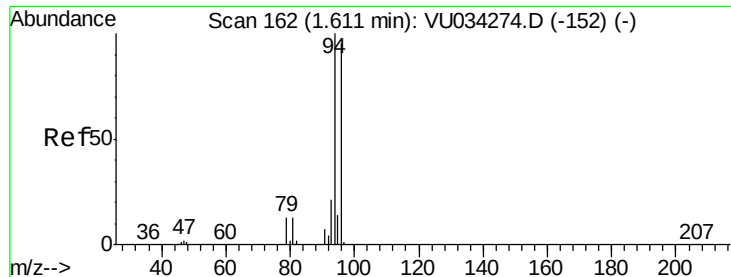
Tgt Ion: 62 Resp: 68683

Ion Ratio Lower Upper

62 100

64 31.7 26.2 39.4





#5

Bromomethane

Concen: 24.933 ug/l

RT: 1.62 min Scan# 164

Delta R.T. 0.01 min

Lab File: VU034523.D

Acq: 12 Sep 2019 16:28

Instrument :

MSVOA_U

ClientSampleId :

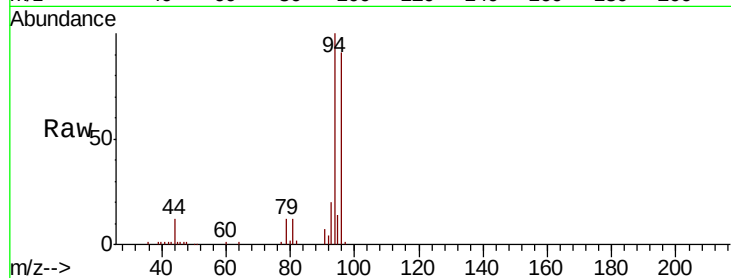
VU0912WBS03

Tgt Ion: 94 Resp: 45553

Ion Ratio Lower Upper

94 100

96 91.3 75.7 113.5

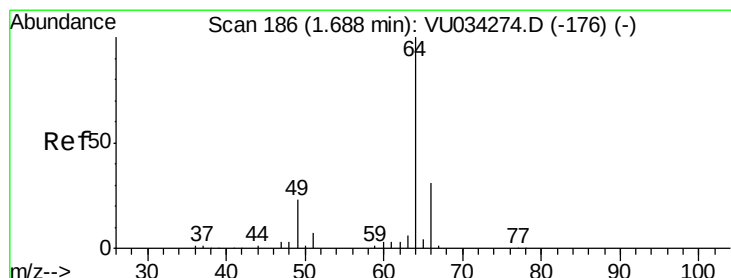
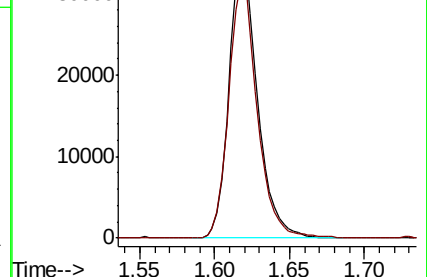
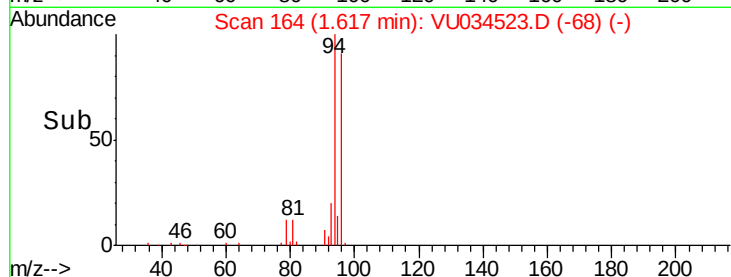


Abundance Ion 93.90 (93.60 to 94.60): VU034523.D (-162) (-)

Ion 95.90 (95.60 to 96.60): VU034523.D (-162) (-)

1.62

Time-->



#6

Chloroethane

Concen: 22.812 ug/l

RT: 1.69 min Scan# 187

Delta R.T. 0.00 min

Lab File: VU034523.D

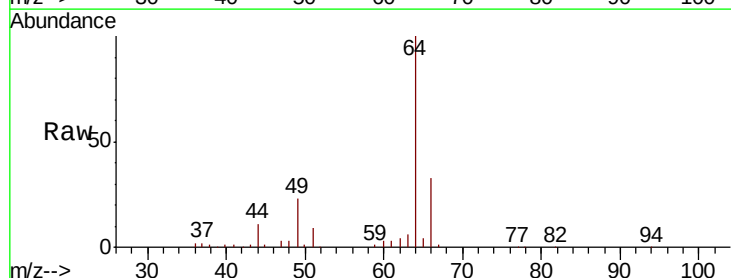
Acq: 12 Sep 2019 16:28

Tgt Ion: 64 Resp: 45018

Ion Ratio Lower Upper

64 100

66 33.6 25.0 37.6

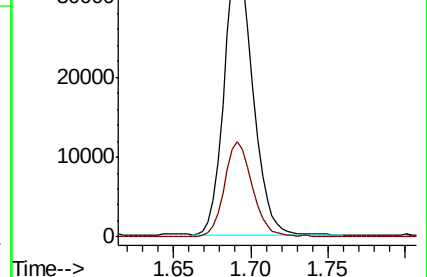
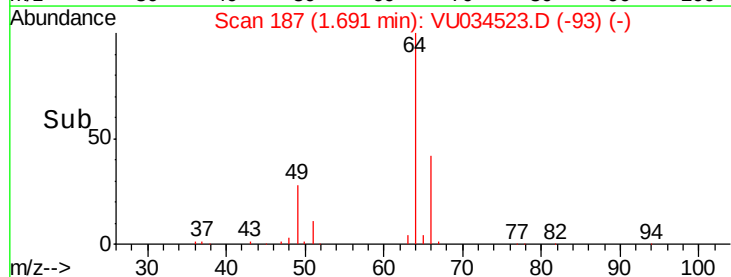


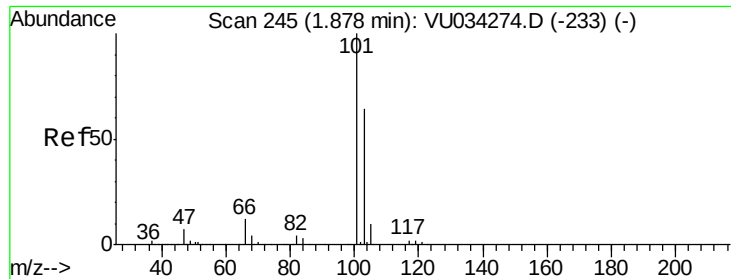
Abundance Ion 63.90 (63.60 to 64.60): VU034523.D (-186) (-)

Ion 65.90 (65.60 to 66.60): VU034523.D (-186) (-)

1.69

Time-->



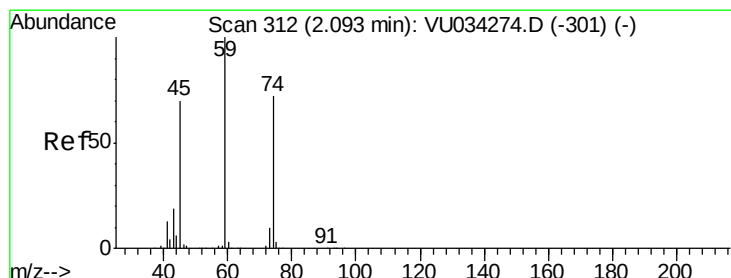
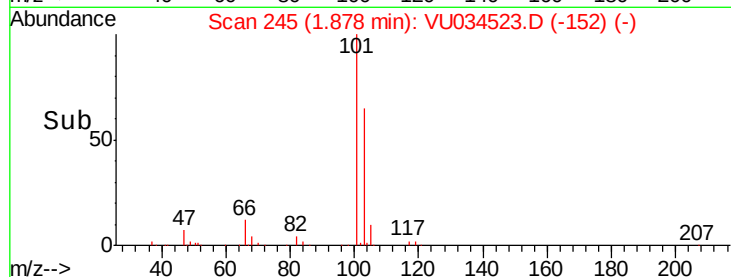
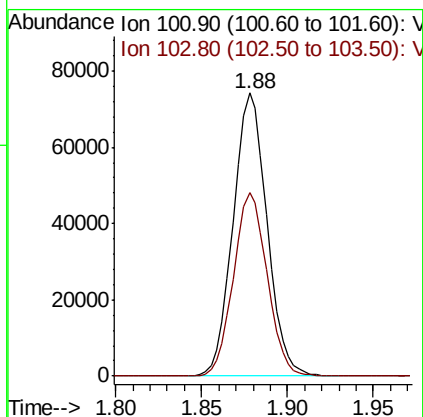
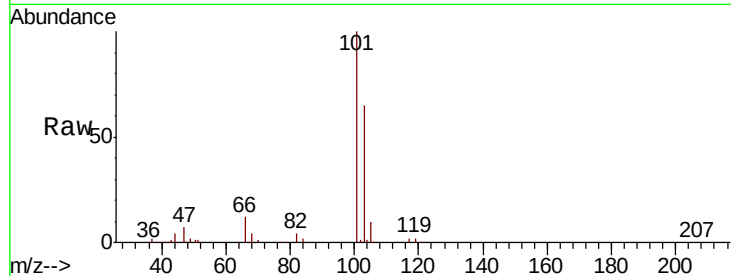


#7

Trichlorofluoromethane
 Concen: 22.826 ug/l
 RT: 1.88 min Scan# 245
 Delta R.T. 0.00 min
 Lab File: VU034523.D
 Acq: 12 Sep 2019 16:28

Instrument :
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 VU0912WBS03

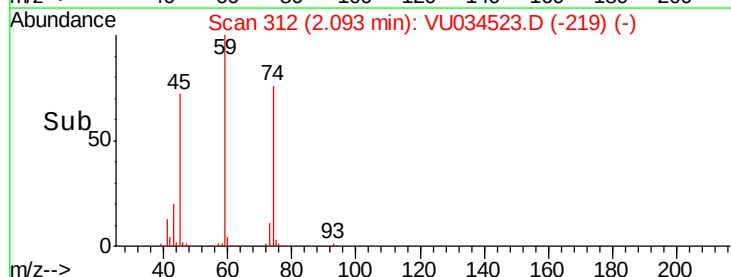
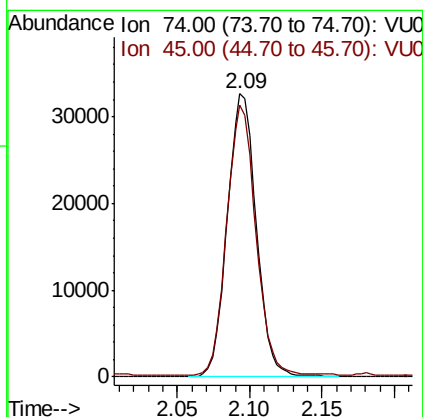
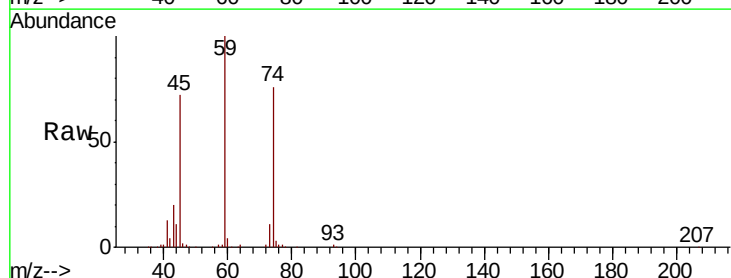
Tgt Ion:101 Resp: 101491
 Ion Ratio Lower Upper
 101 100
 103 64.7 51.0 76.6

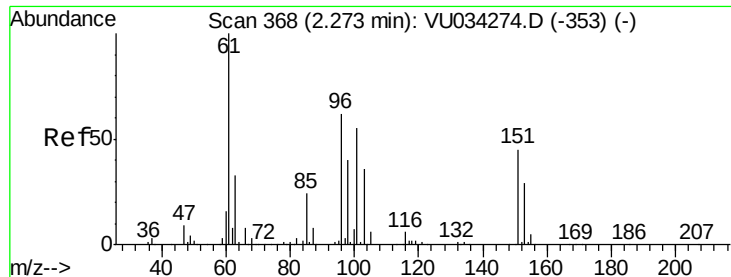


#8

Diethyl Ether
 Concen: 23.132 ug/l
 RT: 2.09 min Scan# 312
 Delta R.T. 0.00 min
 Lab File: VU034523.D
 Acq: 12 Sep 2019 16:28

Tgt Ion: 74 Resp: 45241
 Ion Ratio Lower Upper
 74 100
 45 95.7 48.2 144.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 23.428 ug/l

RT: 2.28 min Scan# 369

Delta R.T. 0.00 min

Lab File: VU034523.D

Acq: 12 Sep 2019 16:28

Instrument :

MSVOA_U

ClientSampleId :

VU0912WBS03

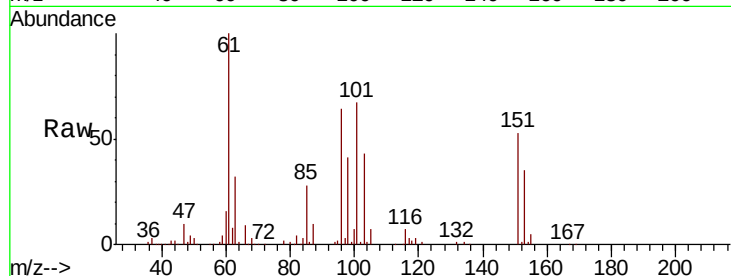
Tgt Ion:101 Resp: 68994

Ion Ratio Lower Upper

101 100

85 42.0 34.4 51.6

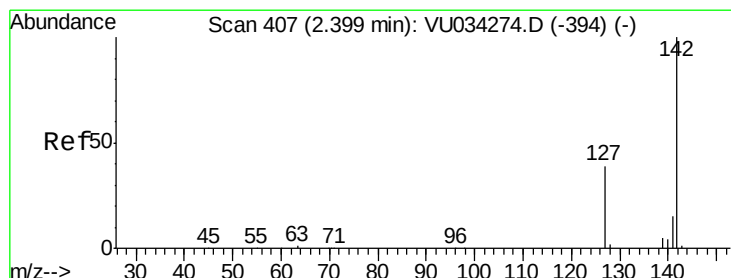
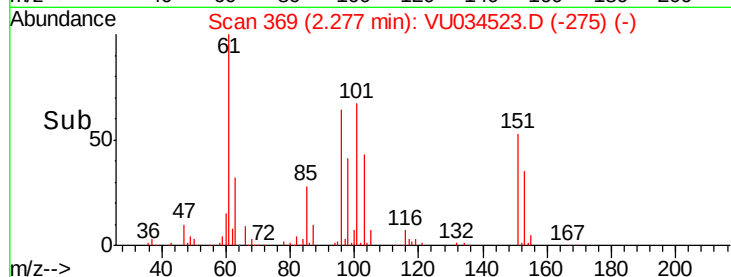
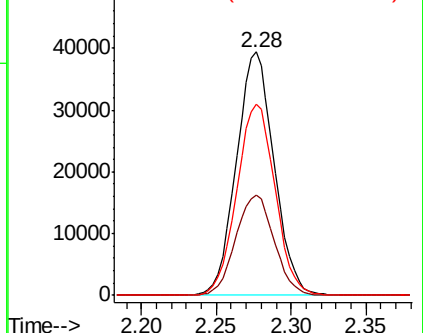
151 79.8 64.4 96.6



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: 18.695 ug/l

RT: 2.40 min Scan# 407

Delta R.T. 0.00 min

Lab File: VU034523.D

Acq: 12 Sep 2019 16:28

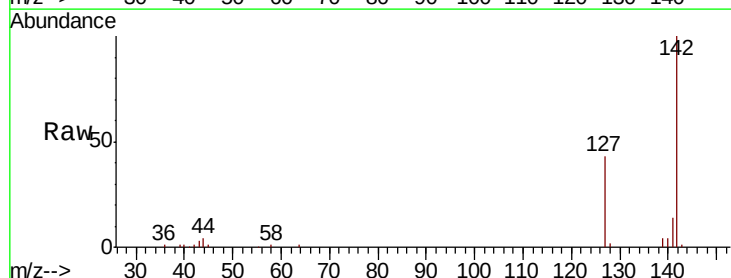
Tgt Ion:142 Resp: 43340

Ion Ratio Lower Upper

142 100

127 41.7 32.1 48.1

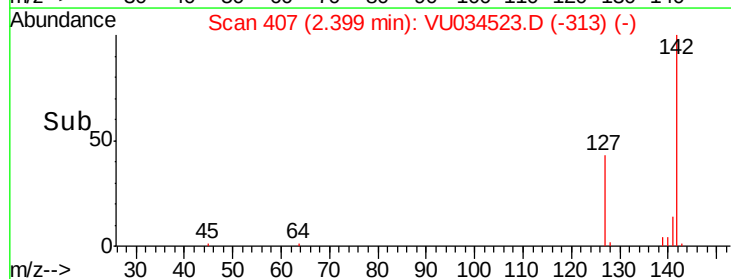
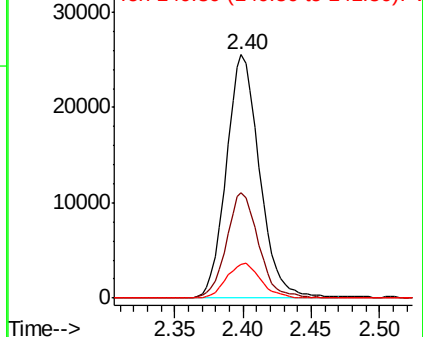
141 14.4 11.5 17.3

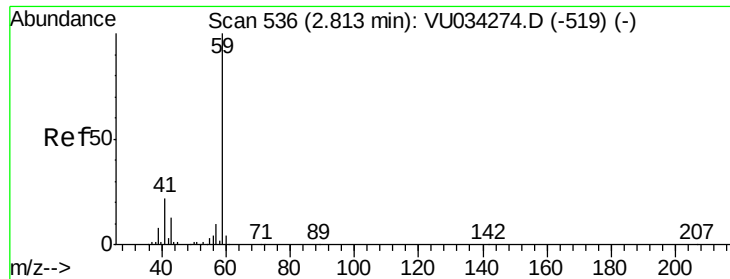


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

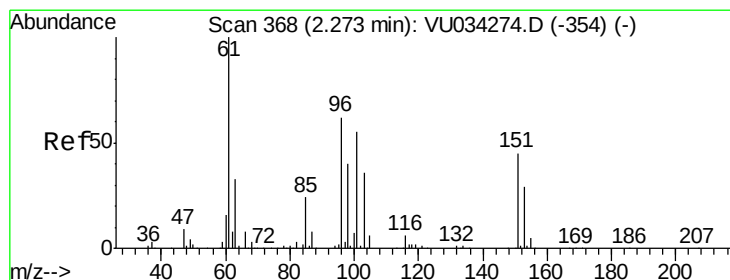
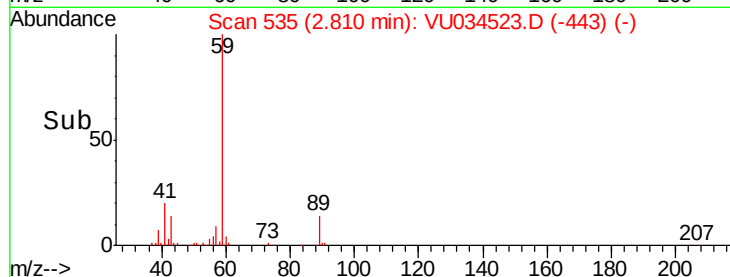
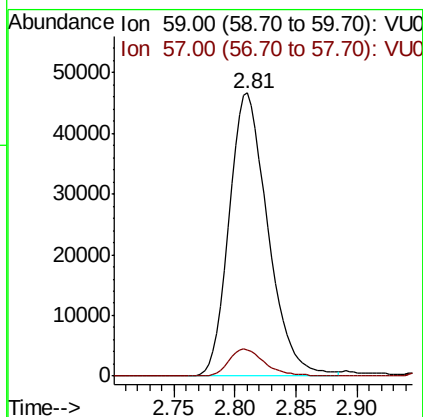
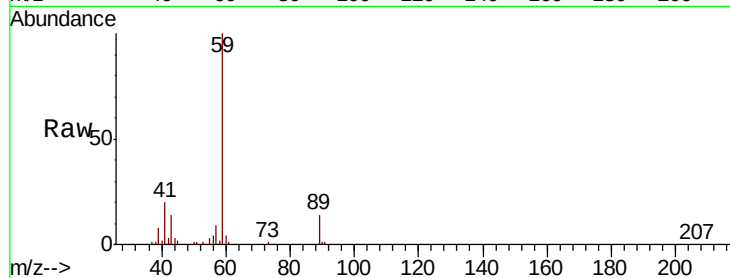




#11
Tert butyl alcohol
Concen: 126.857 ug/l
RT: 2.81 min Scan# 535
Delta R.T. -0.00 min
Lab File: VU034523.D
Acq: 12 Sep 2019 16:28

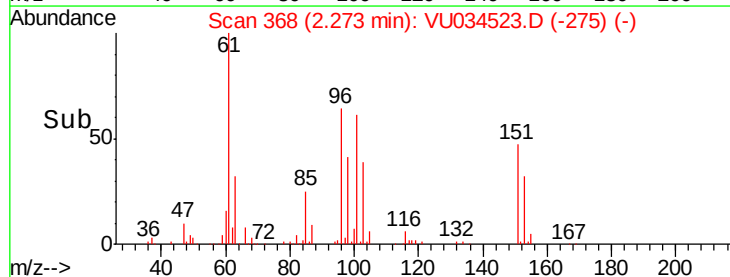
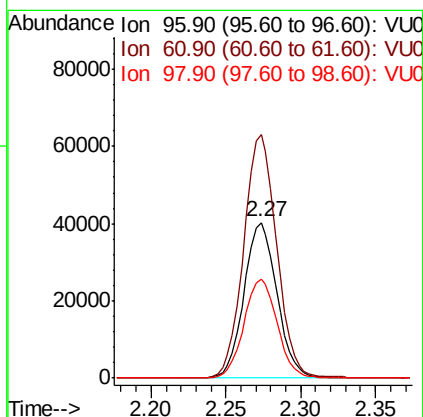
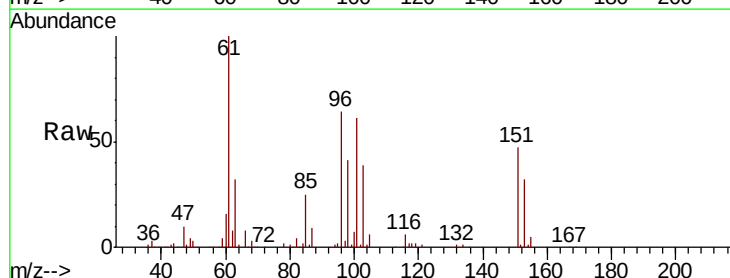
Instrument :
MSVOA_U
ClientSampleId :
VU0912WBS03

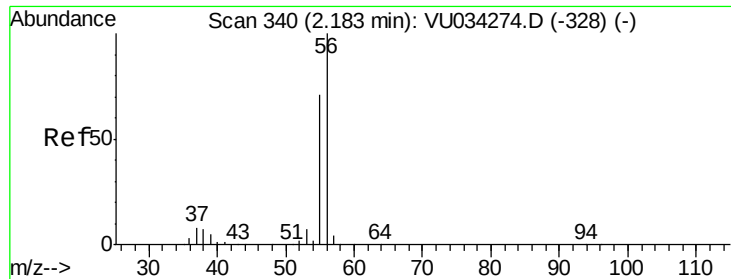
Tgt Ion: 59 Resp: 103178
Ion Ratio Lower Upper
59 100
57 9.1 7.9 11.9



#12
1,1-Dichloroethene
Concen: 22.341 ug/l
RT: 2.27 min Scan# 368
Delta R.T. 0.00 min
Lab File: VU034523.D
Acq: 12 Sep 2019 16:28

Tgt Ion: 96 Resp: 61848
Ion Ratio Lower Upper
96 100
61 156.4 130.0 195.0
98 63.5 52.2 78.4





#13

Acrolein

Concen: 51.122 ug/l

RT: 2.18 min Scan# 340

Delta R.T. 0.00 min

Lab File: VU034523.D

Acq: 12 Sep 2019 16:28

Instrument :

MSVOA_U

ClientSampleId :

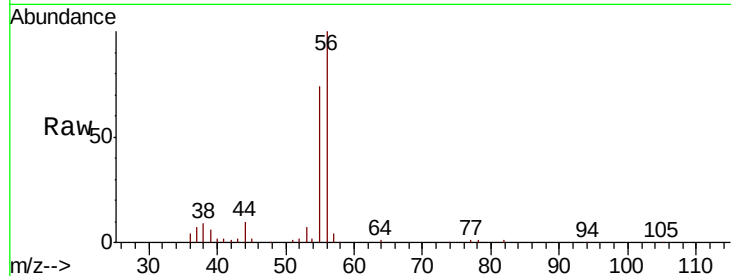
VU0912WBS03

Tgt Ion: 56 Resp: 34947

Ion Ratio Lower Upper

56 100

55 71.9 57.4 86.2



Abundance Ion 56.00 (55.70 to 56.70): VU0

Ion 55.00 (54.70 to 55.70): VU0

2.18

25000

20000

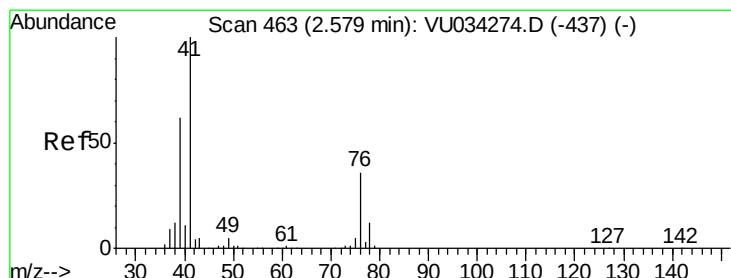
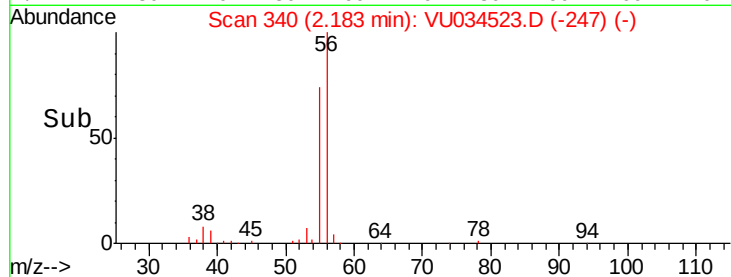
15000

10000

5000

0

Time--> 2.10 2.15 2.20 2.25



#14

Allyl chloride

Concen: 19.267 ug/l

RT: 2.58 min Scan# 463

Delta R.T. 0.00 min

Lab File: VU034523.D

Acq: 12 Sep 2019 16:28

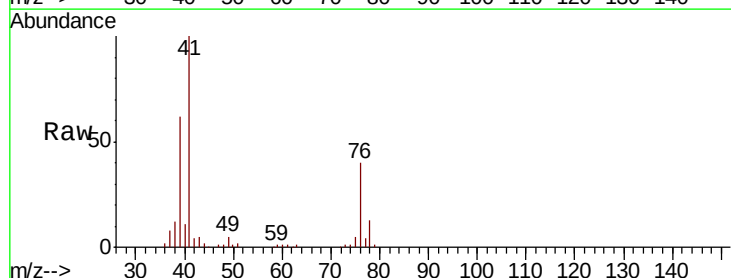
Tgt Ion: 41 Resp: 101972

Ion Ratio Lower Upper

41 100

39 62.0 43.5 65.3

76 39.1 27.0 40.6



Abundance Ion 41.00 (40.70 to 41.70): VU0

Ion 39.00 (38.70 to 39.70): VU0

Ion 75.90 (75.60 to 76.60): VU0

80000

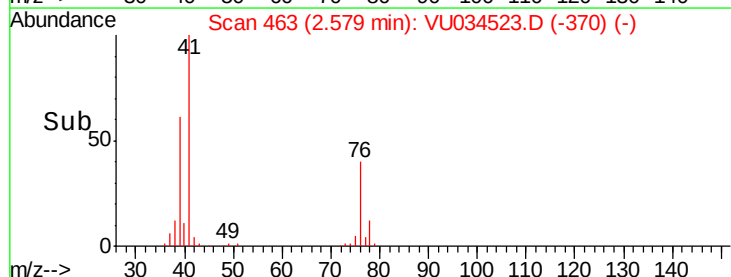
60000

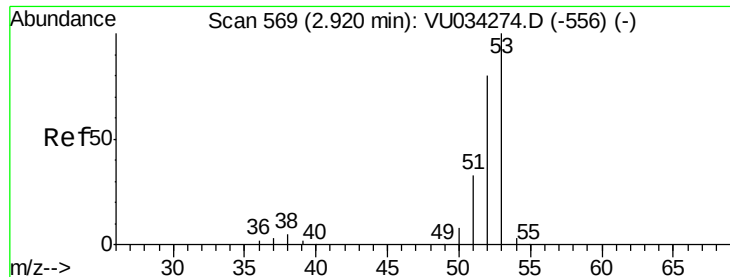
40000

20000

0

Time--> 2.50 2.55 2.60 2.65





#15

Acrylonitrile

Concen: 121.385 ug/l

RT: 2.92 min Scan# 569

Delta R.T. 0.00 min

Lab File: VU034523.D

Acq: 12 Sep 2019 16:28

Instrument :

MSVOA_U

ClientSampleId :

VU0912WBS03

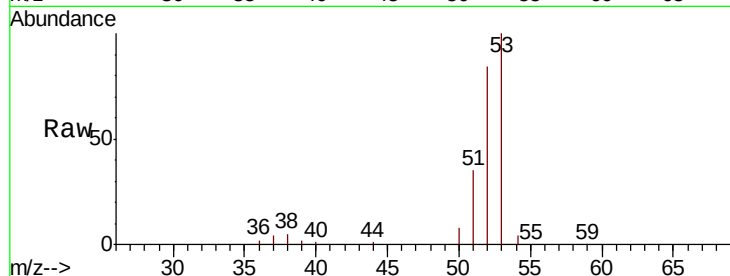
Tgt Ion: 53 Resp: 245854

Ion Ratio Lower Upper

53 100

52 81.8 64.1 96.1

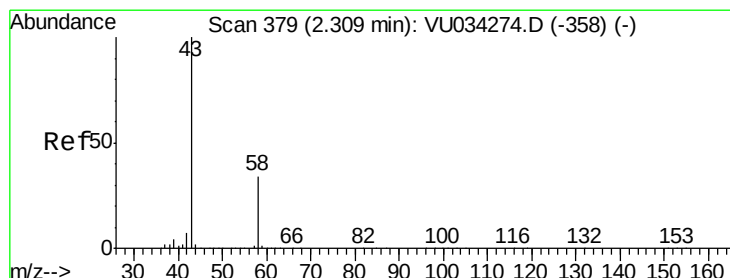
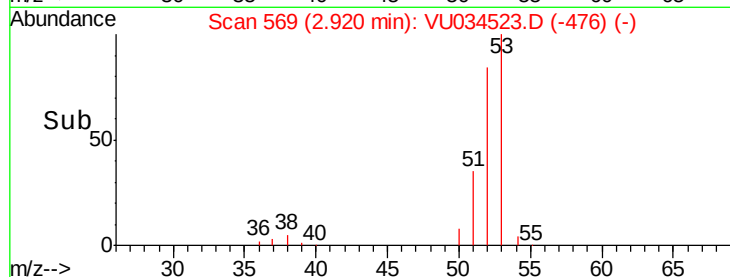
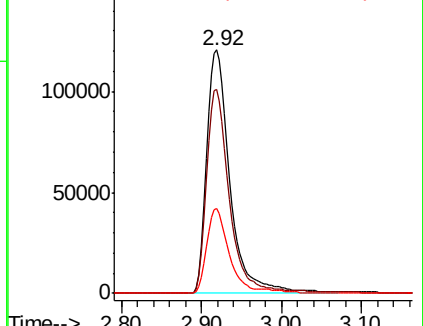
51 34.8 27.4 41.0



Abundance Ion 53.00 (52.70 to 53.70): VU0

Ion 52.00 (51.70 to 52.70): VU0

Ion 51.00 (50.70 to 51.70): VU0



#16

Acetone

Concen: 121.755 ug/l

RT: 2.31 min Scan# 379

Delta R.T. 0.00 min

Lab File: VU034523.D

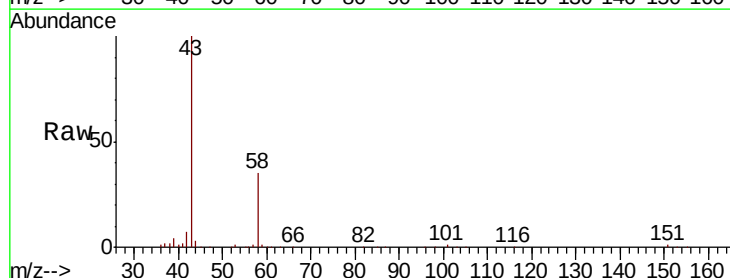
Acq: 12 Sep 2019 16:28

Tgt Ion: 43 Resp: 242571

Ion Ratio Lower Upper

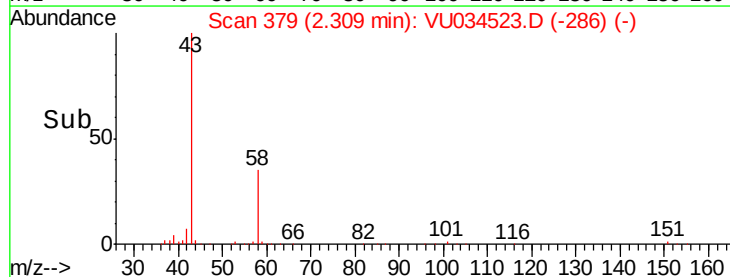
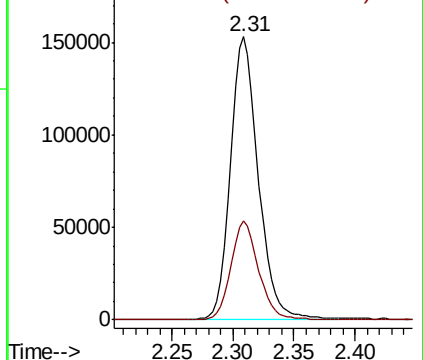
43 100

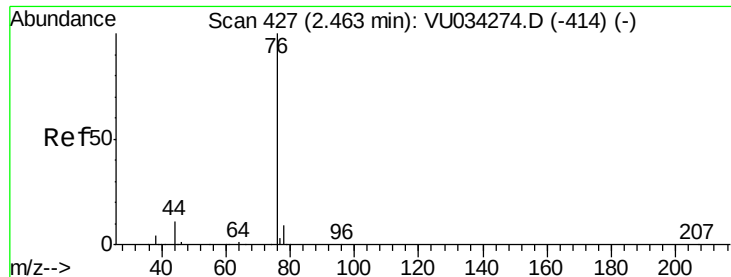
58 35.0 27.6 41.4



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0

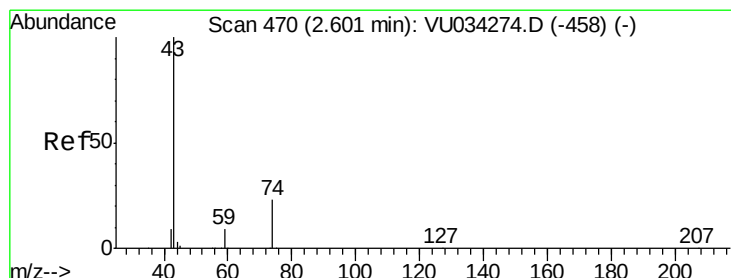
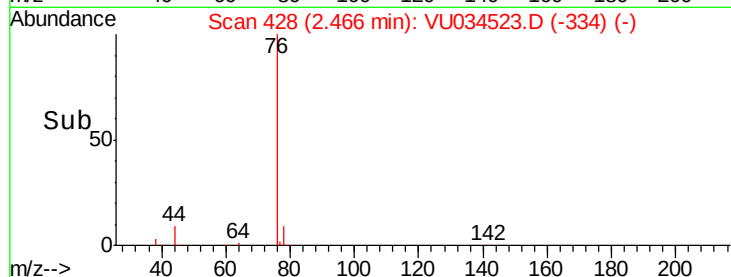
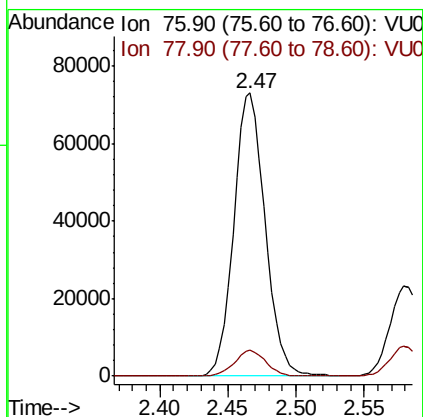
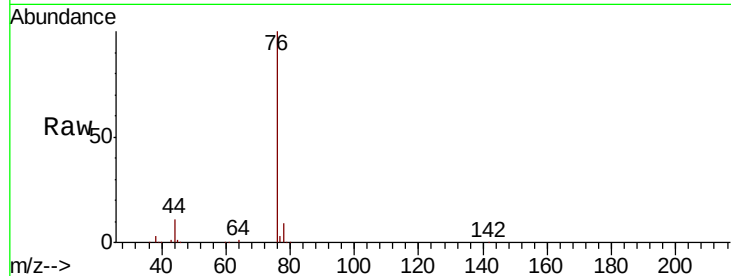




#17
Carbon Disulfide
Concen: 18.711 ug/l
RT: 2.47 min Scan# 428
Delta R.T. 0.00 min
Lab File: VU034523.D
Acq: 12 Sep 2019 16:28

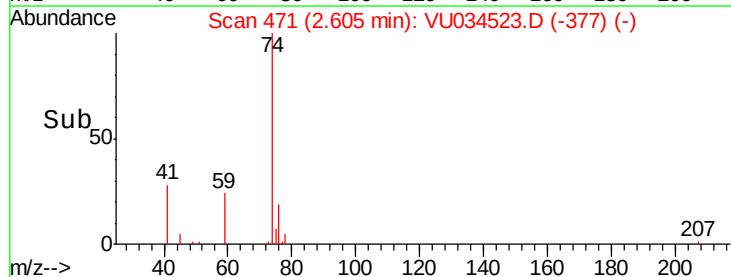
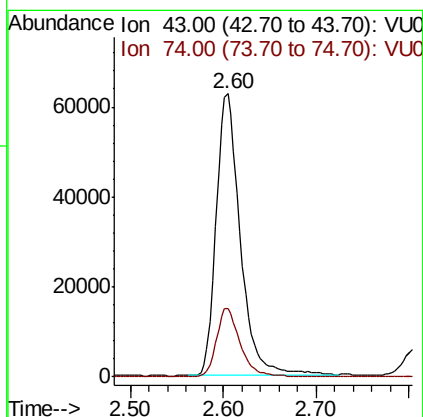
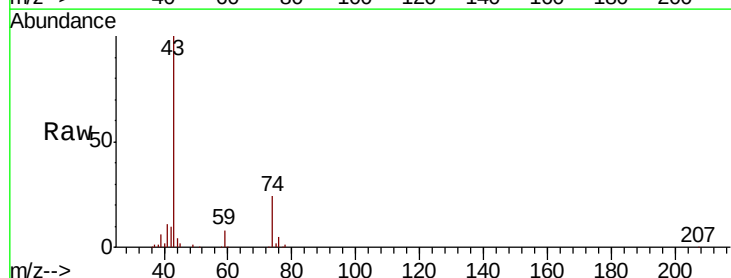
Instrument :
MSVOA_U
ClientSampleId :
VU0912WBS03

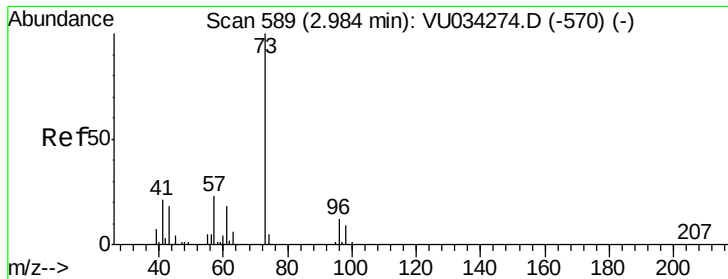
Tgt Ion: 76 Resp: 116418
Ion Ratio Lower Upper
76 100
78 9.1 7.2 10.8



#18
Methyl Acetate
Concen: 23.511 ug/l
RT: 2.60 min Scan# 471
Delta R.T. 0.00 min
Lab File: VU034523.D
Acq: 12 Sep 2019 16:28

Tgt Ion: 43 Resp: 113975
Ion Ratio Lower Upper
43 100
74 23.7 18.9 28.3

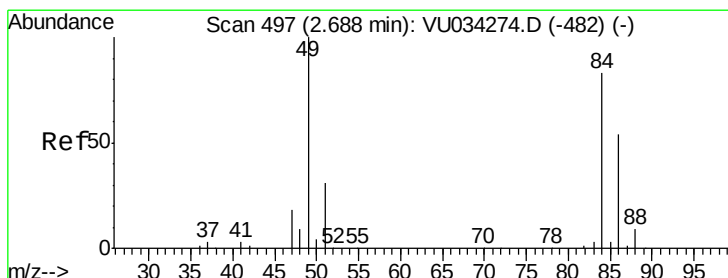
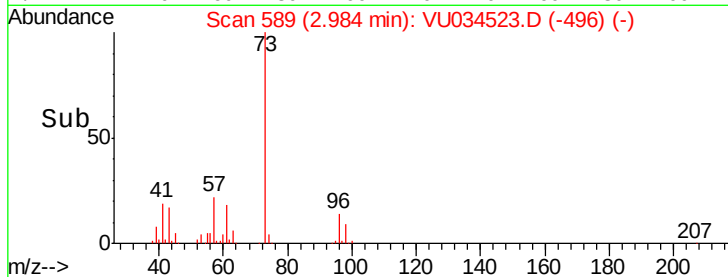
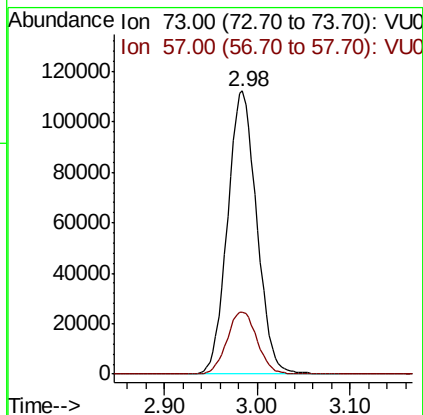
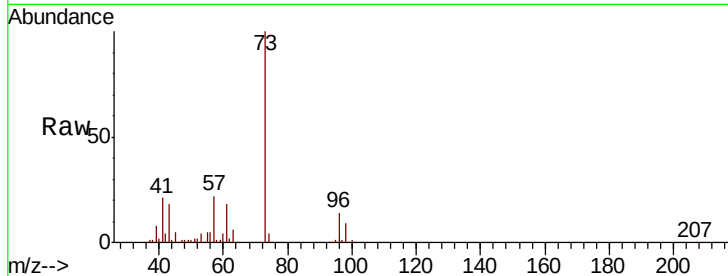




#19
Methyl tert-butyl Ether
Concen: 24.292 ug/l
RT: 2.98 min Scan# 589
Delta R.T. 0.00 min
Lab File: VU034523.D
Acq: 12 Sep 2019 16:28

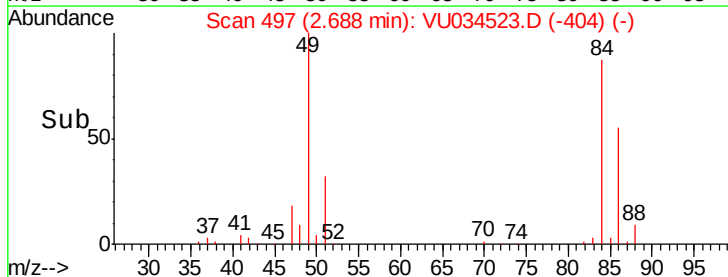
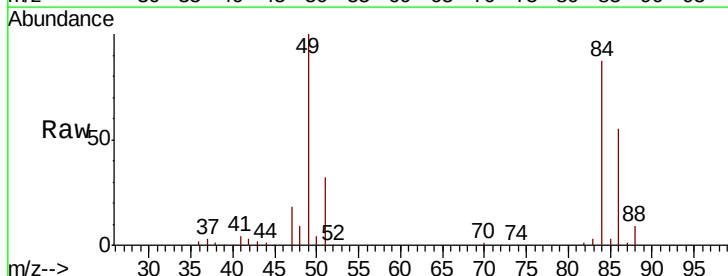
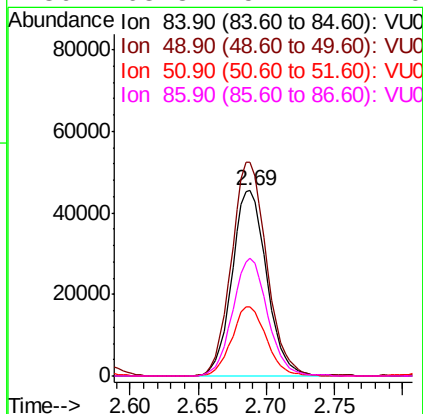
Instrument :
MSVOA_U
ClientSampleId :
VU0912WBS03

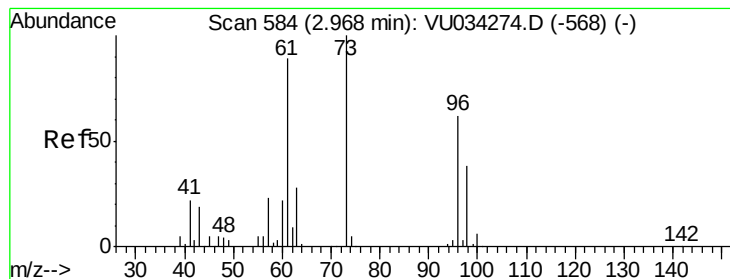
Tgt Ion: 73 Resp: 245118
Ion Ratio Lower Upper
73 100
57 22.0 18.2 27.4



#20
Methylene Chloride
Concen: 24.439 ug/l
RT: 2.69 min Scan# 497
Delta R.T. 0.00 min
Lab File: VU034523.D
Acq: 12 Sep 2019 16:28

Tgt Ion: 84 Resp: 80418
Ion Ratio Lower Upper
84 100
49 115.4 96.0 144.0
51 37.1 30.0 45.0
86 63.8 51.4 77.0





#21

trans-1,2-Dichloroethene

Concen: 22.310 ug/l

RT: 2.97 min Scan# 584

Delta R.T. 0.00 min

Lab File: VU034523.D

Acq: 12 Sep 2019 16:28

Instrument :

MSVOA_U

ClientSampleId :

VU0912WBS03

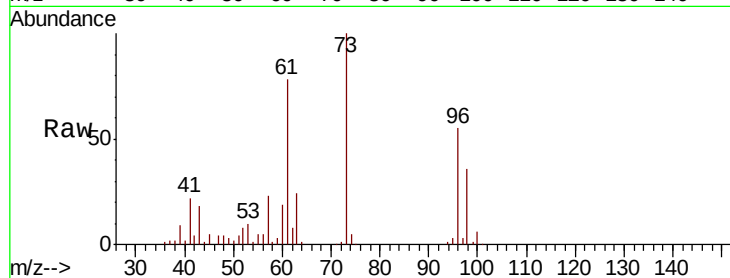
Tgt Ion: 96 Resp: 65085

Ion Ratio Lower Upper

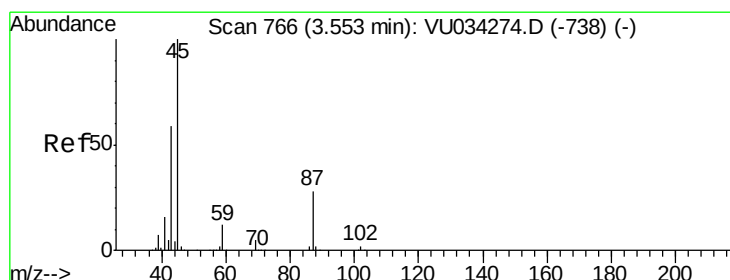
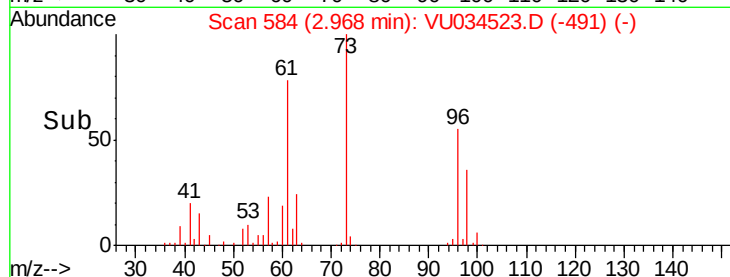
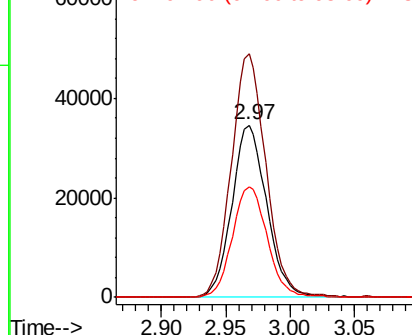
96 100

61 141.5 114.8 172.2

98 64.5 49.8 74.8



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



#22

Diisopropyl ether

Concen: 24.583 ug/l

RT: 3.55 min Scan# 765

Delta R.T. -0.00 min

Lab File: VU034523.D

Acq: 12 Sep 2019 16:28

Tgt Ion: 45 Resp: 253737

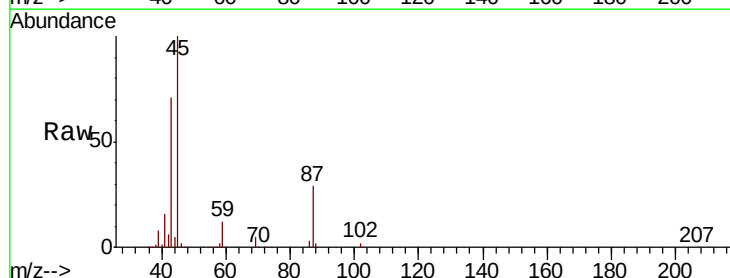
Ion Ratio Lower Upper

45 100

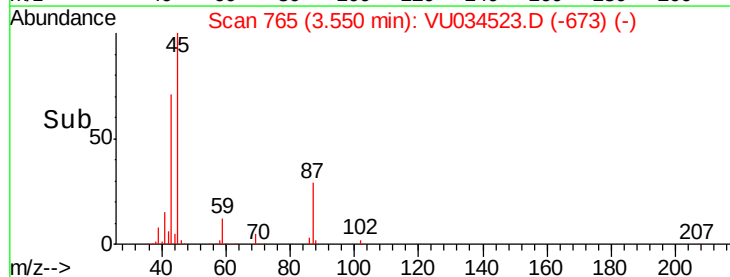
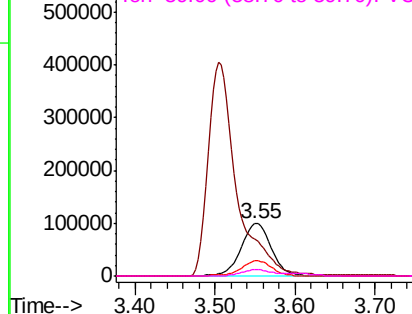
43 69.9 47.5 71.3

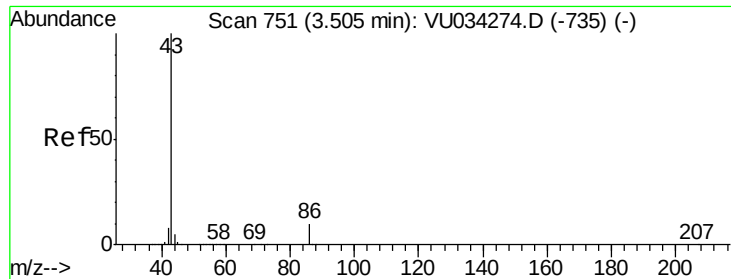
87 29.0 22.2 33.4

59 12.2 9.4 14.2



Abundance Ion 45.00 (44.70 to 45.70): VU0
Ion 43.00 (42.70 to 43.70): VU0
Ion 87.00 (86.70 to 87.70): VU0
Ion 59.00 (58.70 to 59.70): VU0





#23

Vinyl Acetate

Concen: 119.365 ug/l

RT: 3.50 min Scan# 751

Delta R.T. 0.00 min

Lab File: VU034523.D

Acq: 12 Sep 2019 16:28

Instrument :

MSVOA_U

ClientSampleId :

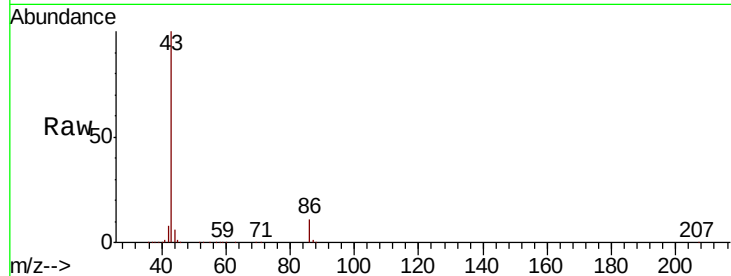
VU0912WBS03

Tgt Ion: 43 Resp: 1003554

Ion Ratio Lower Upper

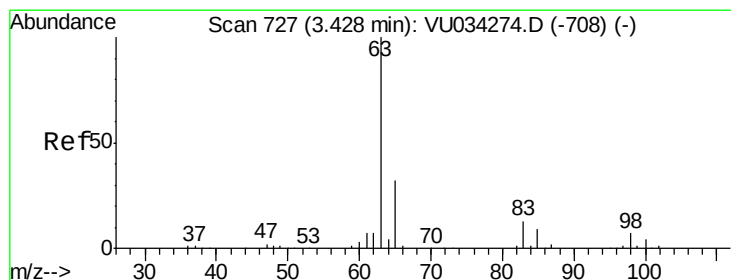
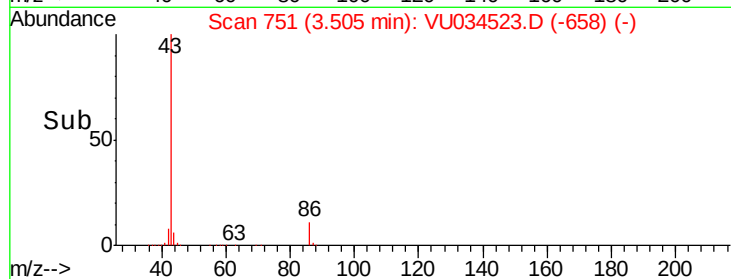
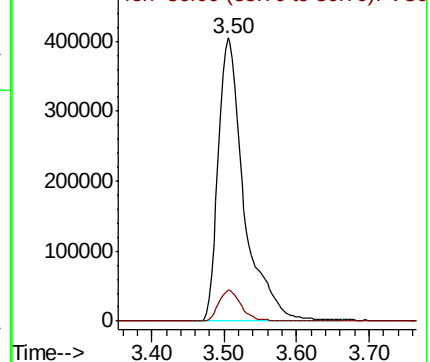
43 100

86 10.8 8.3 12.5



Abundance Ion 43.00 (42.70 to 43.70): VU034523.D (-658) (-)

Ion 86.00 (85.70 to 86.70): VU034523.D (-658) (-)



#24

1,1-Dichloroethane

Concen: 23.143 ug/l

RT: 3.43 min Scan# 727

Delta R.T. 0.00 min

Lab File: VU034523.D

Acq: 12 Sep 2019 16:28

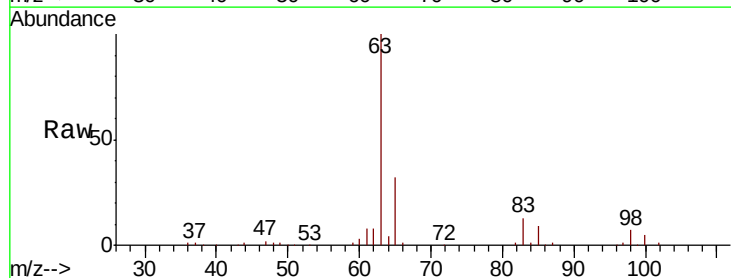
Tgt Ion: 63 Resp: 142649

Ion Ratio Lower Upper

63 100

98 6.5 3.5 10.4

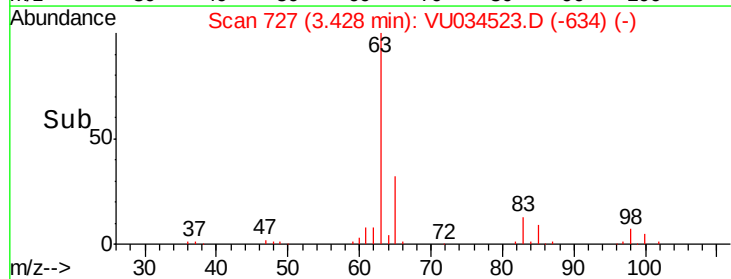
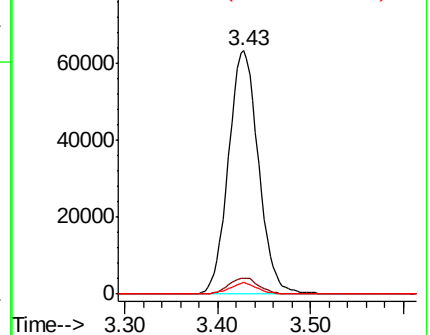
100 4.7 2.1 6.5

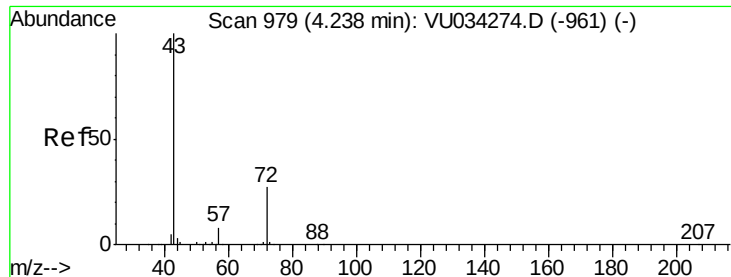


Abundance Ion 62.90 (62.60 to 63.60): VU034523.D (-634) (-)

Ion 97.90 (97.60 to 98.60): VU034523.D (-634) (-)

Ion 99.90 (99.60 to 100.60): VU034523.D (-634) (-)





#25

2-Butanone

Concen: 124.101 ug/l

RT: 4.24 min Scan# 979

Delta R.T. 0.00 min

Lab File: VU034523.D

Acq: 12 Sep 2019 16:28

Instrument :

MSVOA_U

ClientSampleId :

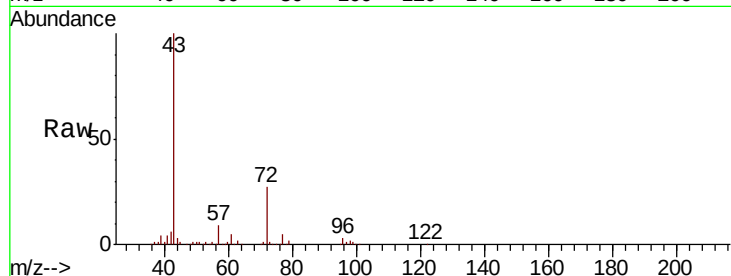
VU0912WBS03

Tgt Ion: 43 Resp: 330040

Ion Ratio Lower Upper

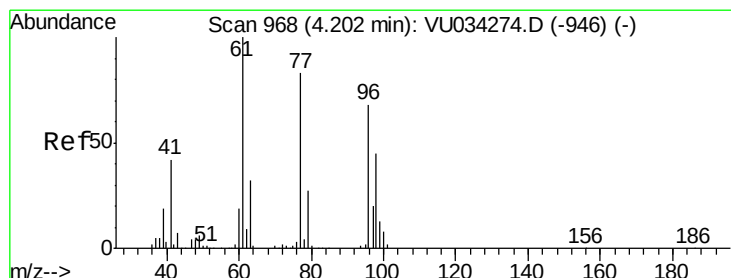
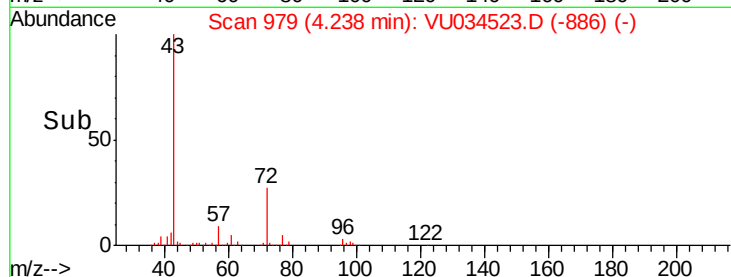
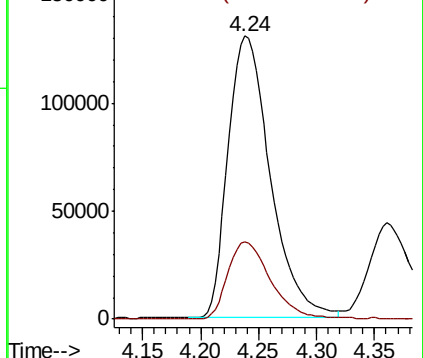
43 100

72 27.3 21.8 32.6



Abundance Ion 43.00 (42.70 to 43.70): VU034274.D (-961) (-)

Ion 72.00 (71.70 to 72.70): VU034274.D (-961) (-)



#26

2,2-Dichloropropane

Concen: 24.141 ug/l

RT: 4.20 min Scan# 968

Delta R.T. 0.00 min

Lab File: VU034523.D

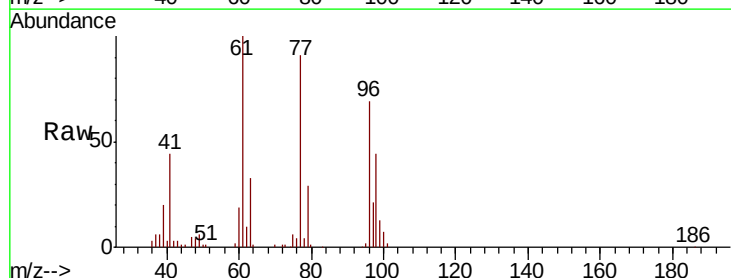
Acq: 12 Sep 2019 16:28

Tgt Ion: 77 Resp: 119679

Ion Ratio Lower Upper

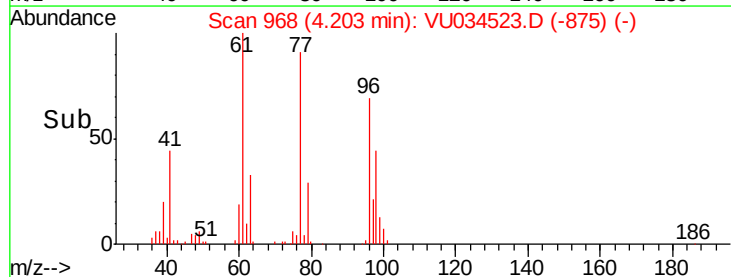
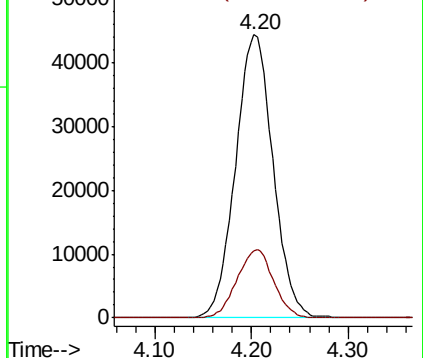
77 100

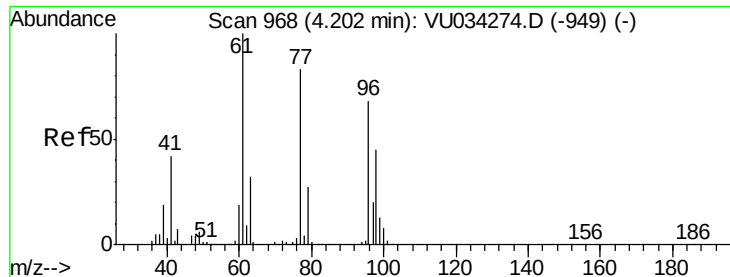
97 23.5 11.8 35.3



Abundance Ion 76.90 (76.60 to 77.60): VU034274.D (-946) (-)

Ion 96.90 (96.60 to 97.60): VU034274.D (-946) (-)





#27

cis-1,2-Dichloroethene

Concen: 23.687 ug/l

RT: 4.20 min Scan# 968

Delta R.T. 0.00 min

Lab File: VU034523.D

Acq: 12 Sep 2019 16:28

Instrument :

MSVOA_U

ClientSampleId :

VU0912WBS03

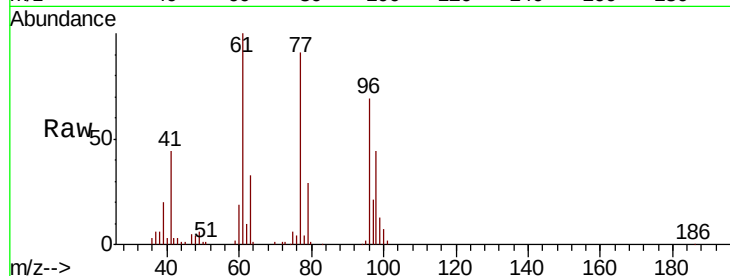
Tgt Ion: 96 Resp: 83929

Ion Ratio Lower Upper

96 100

61 146.6 0.0 297.4

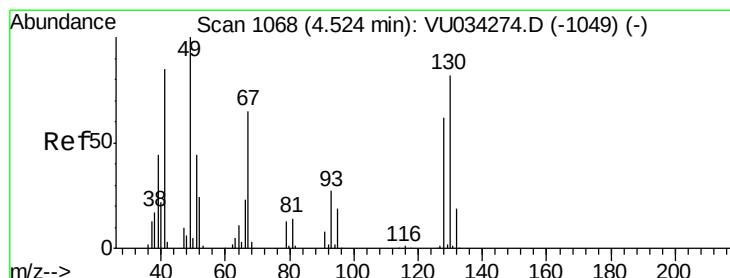
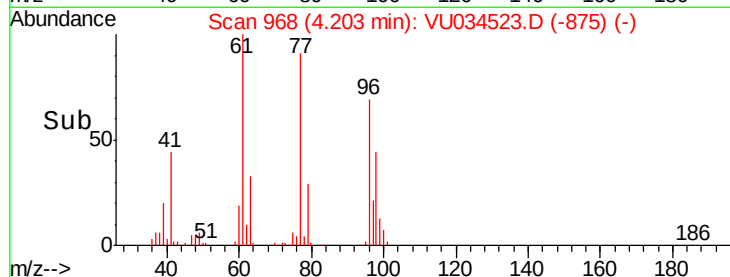
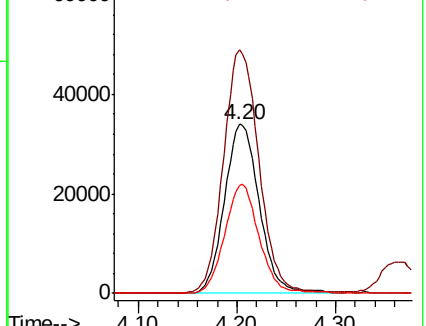
98 63.7 0.0 130.0



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: 26.788 ug/l

RT: 4.52 min Scan# 1068

Delta R.T. 0.00 min

Lab File: VU034523.D

Acq: 12 Sep 2019 16:28

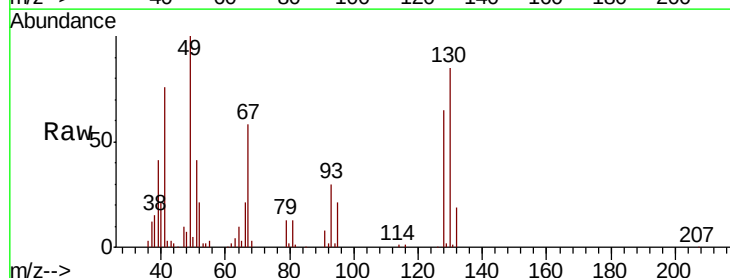
Tgt Ion: 49 Resp: 75949

Ion Ratio Lower Upper

49 100

129 1.8 0.0 3.8

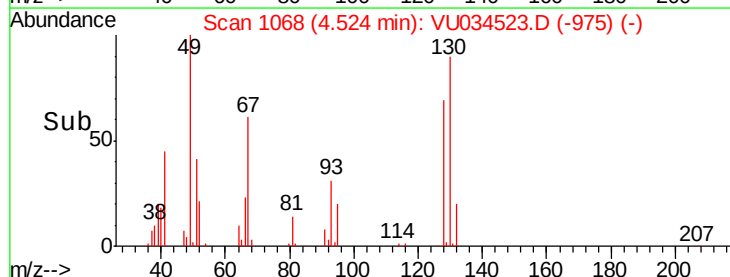
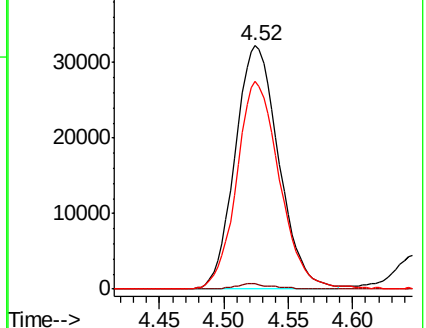
130 84.1 65.2 97.8

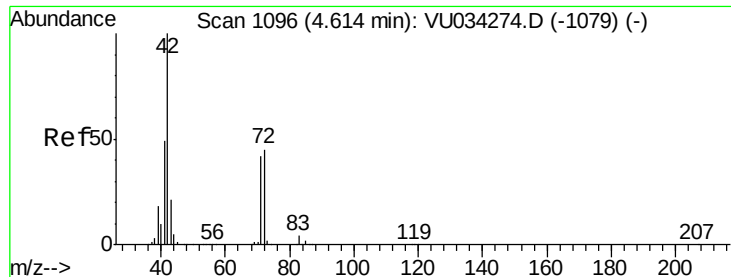


Abundance Ion 48.90 (48.60 to 49.60): VU0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V

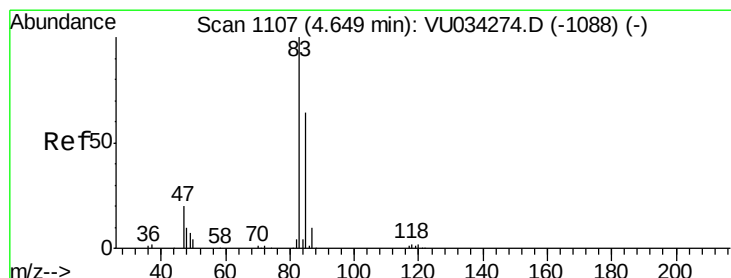
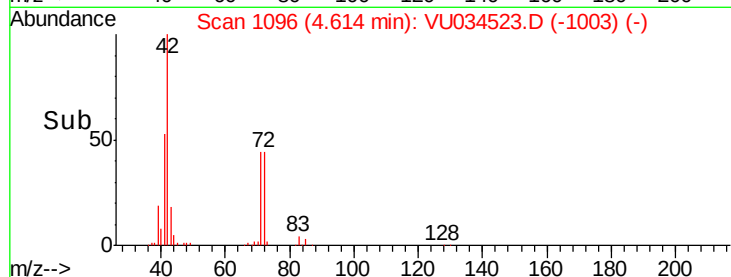
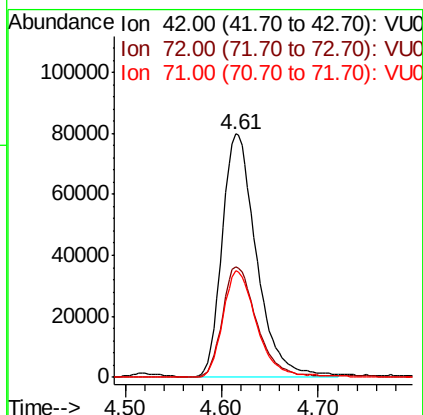
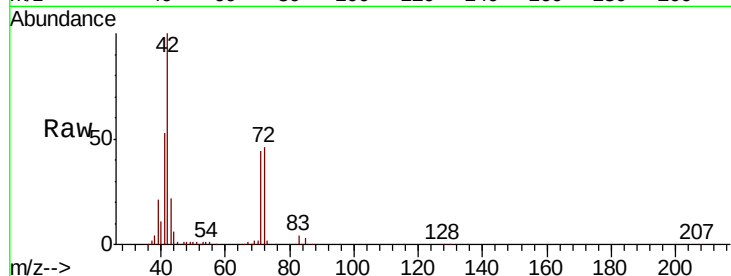




#29
Tetrahydrofuran
Concen: 120.899 ug/l
RT: 4.61 min Scan# 1096
Delta R.T. 0.00 min
Lab File: VU034523.D
Acq: 12 Sep 2019 16:28

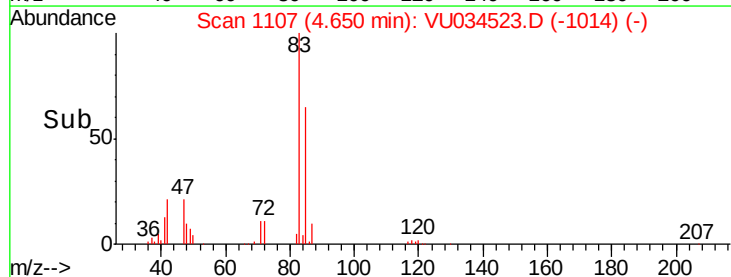
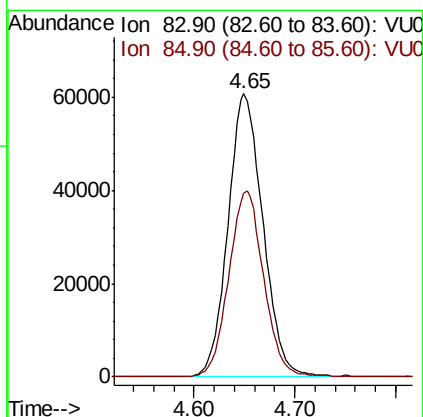
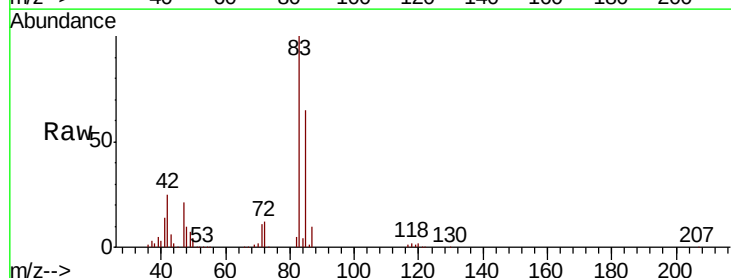
Instrument :
MSVOA_U
ClientSampleId :
VU0912WBS03

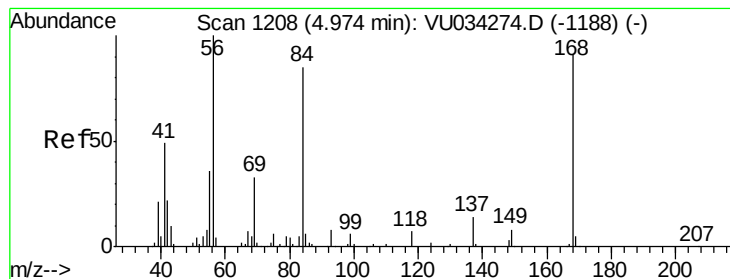
Tgt Ion: 42 Resp: 195650
Ion Ratio Lower Upper
42 100
72 46.0 36.6 54.8
71 42.8 34.3 51.5



#30
Chloroform
Concen: 23.339 ug/l
RT: 4.65 min Scan# 1107
Delta R.T. 0.00 min
Lab File: VU034523.D
Acq: 12 Sep 2019 16:28

Tgt Ion: 83 Resp: 146226
Ion Ratio Lower Upper
83 100
85 64.5 51.5 77.3





#31

Cyclohexane

Concen: 21.747 ug/l

RT: 4.97 min Scan# 1208

Delta R.T. 0.00 min

Lab File: VU034523.D

Acq: 12 Sep 2019 16:28

Instrument :

MSVOA_U

ClientSampleId :

VU0912WBS03

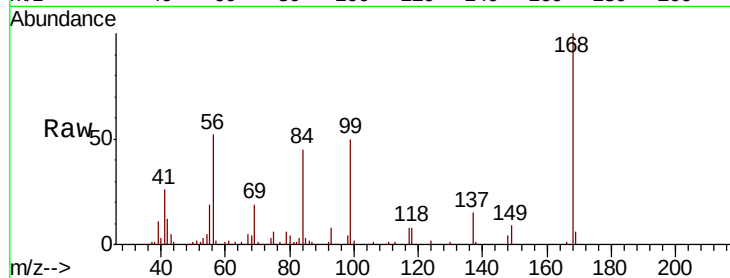
Tgt Ion: 56 Resp: 98068

Ion Ratio Lower Upper

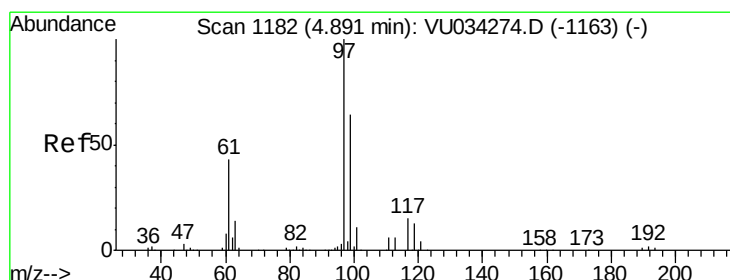
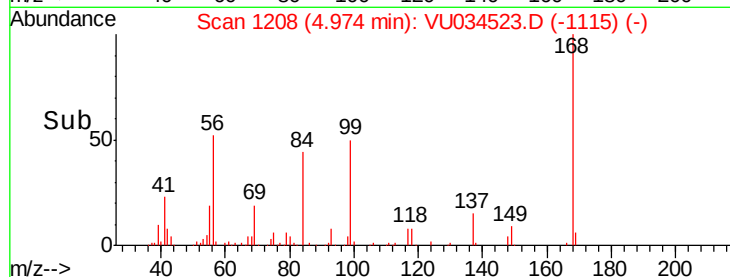
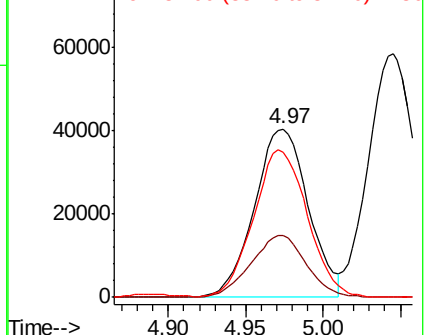
56 100

69 36.5 26.7 40.1

84 85.8 68.2 102.4



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: 23.903 ug/l

RT: 4.89 min Scan# 1182

Delta R.T. 0.00 min

Lab File: VU034523.D

Acq: 12 Sep 2019 16:28

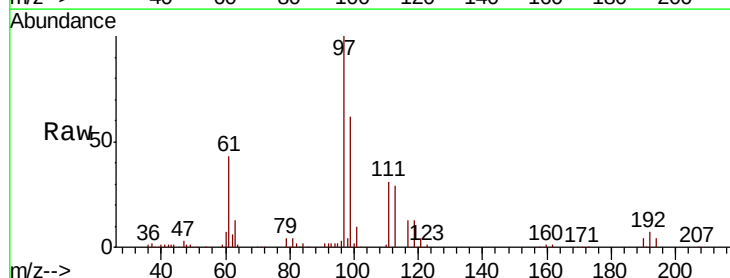
Tgt Ion: 97 Resp: 119740

Ion Ratio Lower Upper

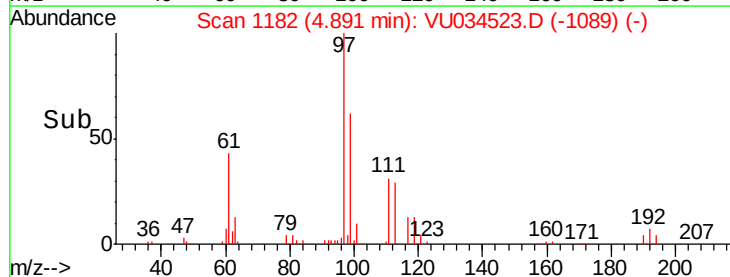
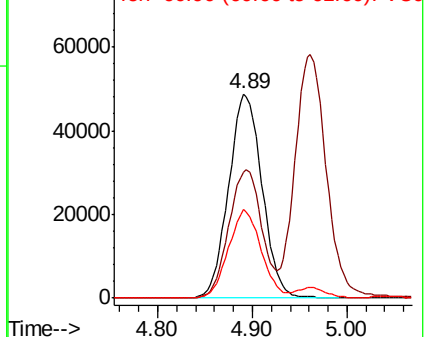
97 100

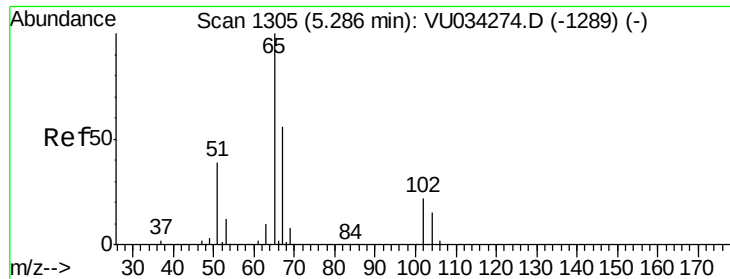
99 62.3 50.9 76.3

61 42.4 34.7 52.1



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

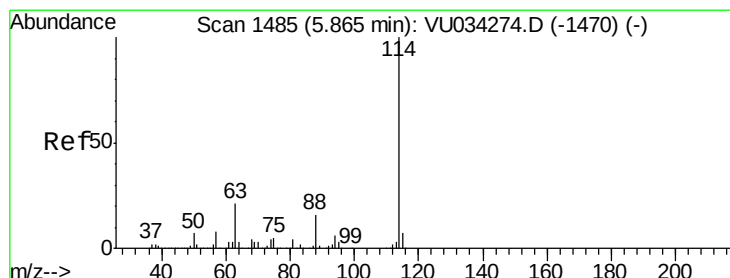
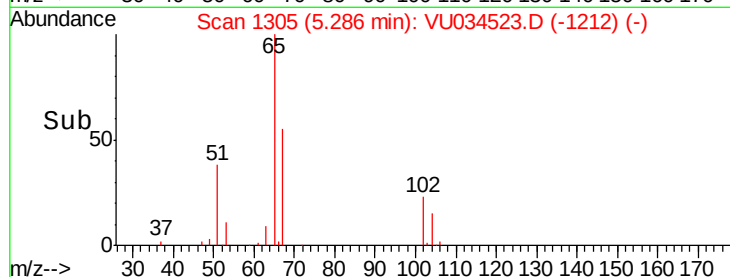
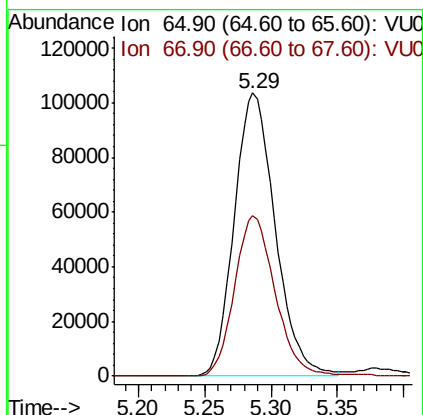
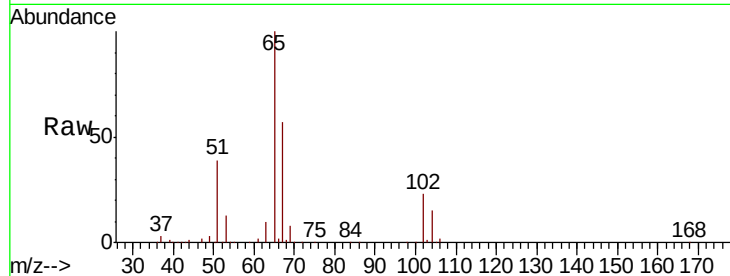




#33
 1,2-Dichloroethane-d4
 Concen: 57.702 ug/l
 RT: 5.29 min Scan# 1305
 Delta R.T. 0.00 min
 Lab File: VU034523.D
 Acq: 12 Sep 2019 16:28

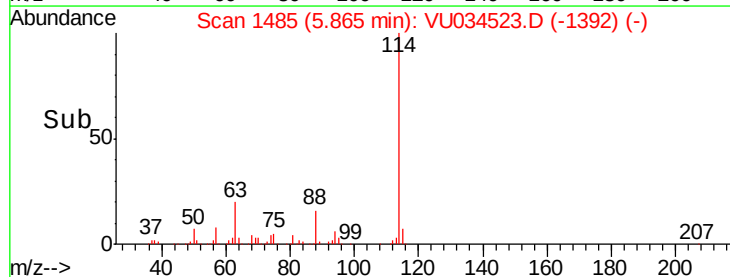
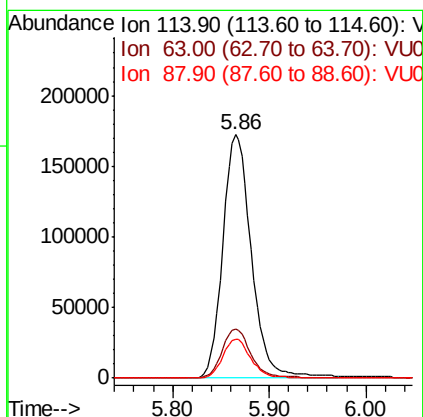
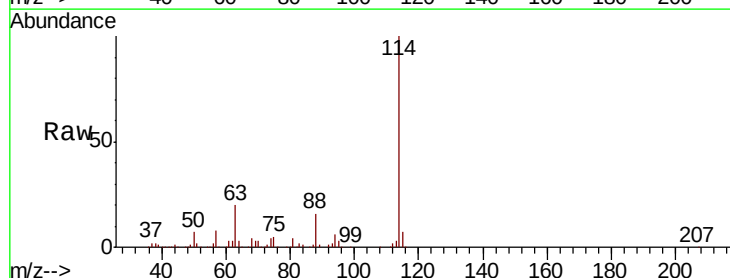
Instrument :
 MSVOA_U
 ClientSampleId :
 VU0912WBS03

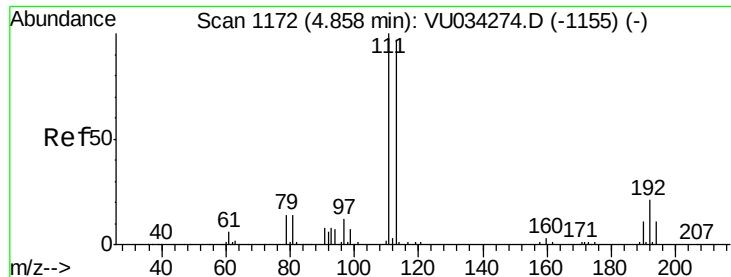
Tgt Ion: 65 Resp: 222147
 Ion Ratio Lower Upper
 65 100
 67 56.3 0.0 112.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.86 min Scan# 1485
 Delta R.T. 0.00 min
 Lab File: VU034523.D
 Acq: 12 Sep 2019 16:28

Tgt Ion: 114 Resp: 355258
 Ion Ratio Lower Upper
 114 100
 63 20.4 0.0 42.4
 88 16.0 0.0 32.4

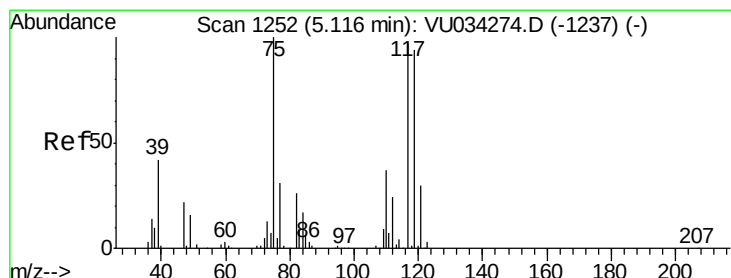
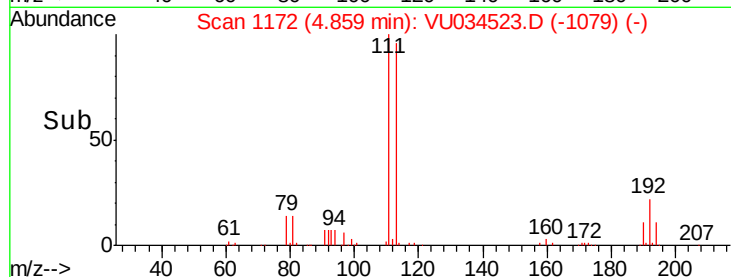
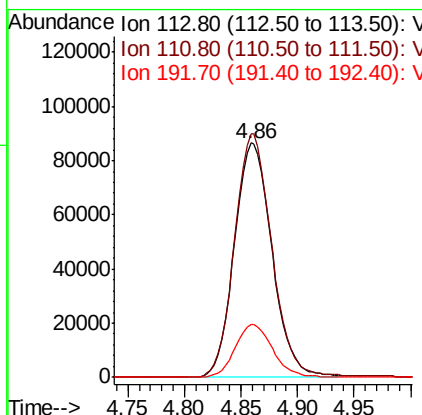
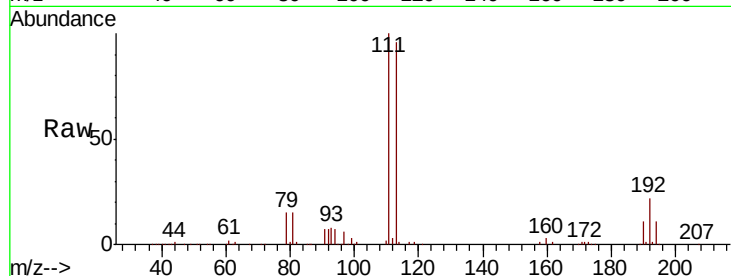




#35
 Dibromofluoromethane
 Concen: 60.755 ug/l
 RT: 4.86 min Scan# 1172
 Delta R.T. 0.00 min
 Lab File: VU034523.D
 Acq: 12 Sep 2019 16:28

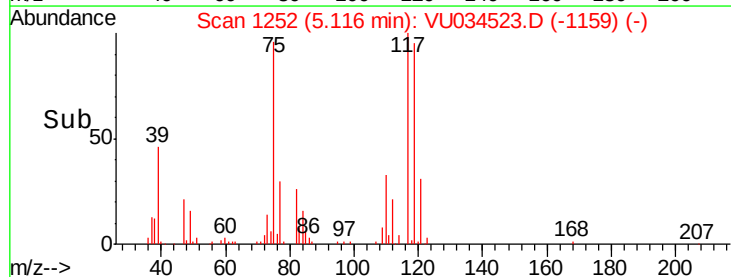
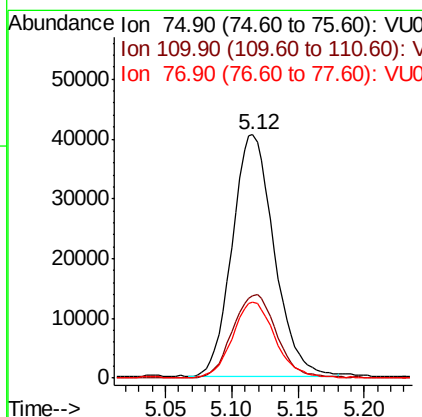
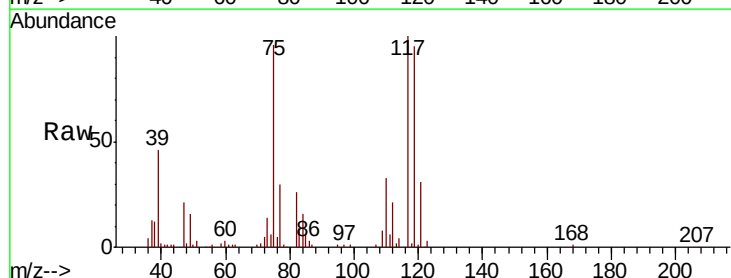
Instrument :
 MSVOA_U
 ClientSampleId :
 VU0912WBS03

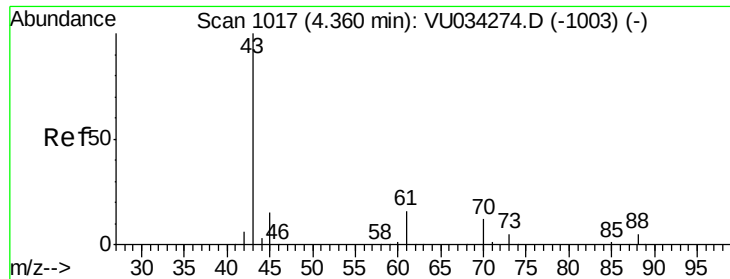
Tgt Ion	Ratio	Lower	Upper
113	100		
111	103.3	81.5	122.3
192	22.4	17.8	26.8



#36
 1,1-Dichloropropene
 Concen: 23.147 ug/l
 RT: 5.12 min Scan# 1252
 Delta R.T. 0.00 min
 Lab File: VU034523.D
 Acq: 12 Sep 2019 16:28

Tgt Ion	Ratio	Lower	Upper
75	100		
110	36.3	18.3	54.9
77	31.2	24.9	37.3

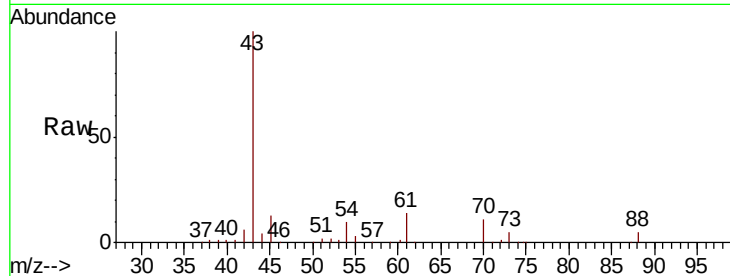




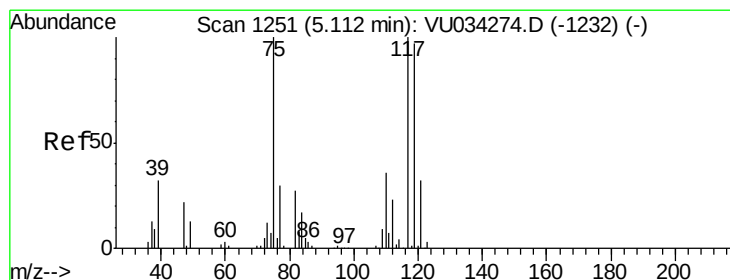
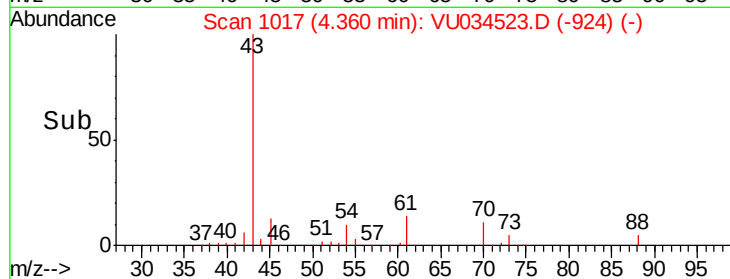
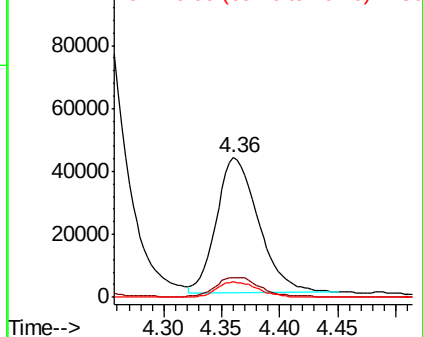
#37
Ethyl Acetate
Concen: 23.901 ug/l
RT: 4.36 min Scan# 1017
Delta R.T. 0.00 min
Lab File: VU034523.D
Acq: 12 Sep 2019 16:28

Instrument :
MSVOA_U
ClientSampleId :
VU0912WBS03

Tgt Ion: 43 Resp: 108875
Ion Ratio Lower Upper
43 100
61 14.9 12.3 18.5
70 11.5 9.1 13.7

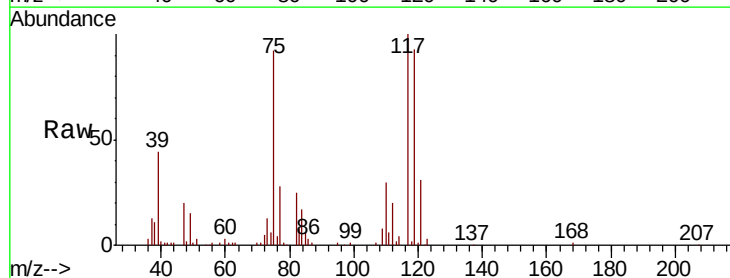


Abundance Ion 43.00 (42.70 to 43.70): VU0
Ion 60.90 (60.60 to 61.60): VU0
Ion 70.00 (69.70 to 70.70): VU0

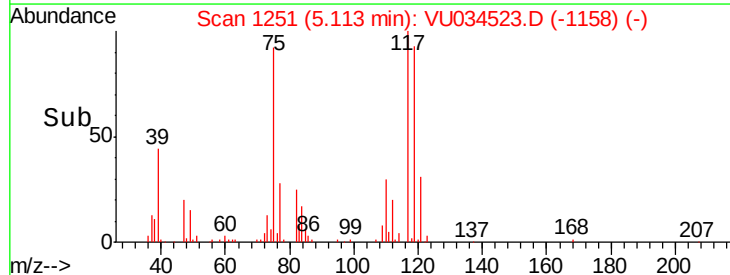
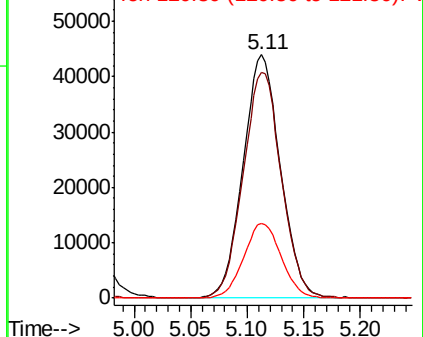


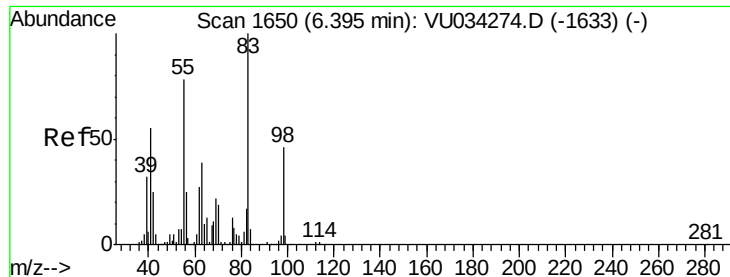
#38
Carbon Tetrachloride
Concen: 24.521 ug/l
RT: 5.11 min Scan# 1251
Delta R.T. 0.00 min
Lab File: VU034523.D
Acq: 12 Sep 2019 16:28

Tgt Ion: 117 Resp: 100873
Ion Ratio Lower Upper
117 100
119 92.8 77.8 116.6
121 30.8 25.2 37.8



Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

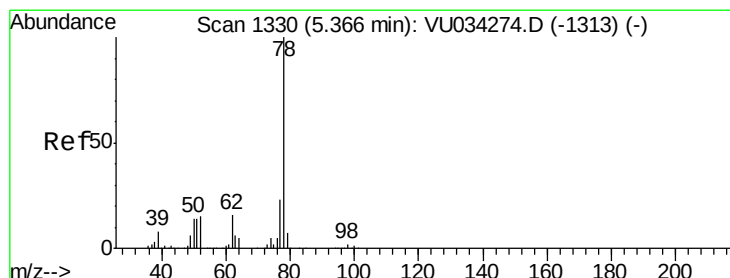
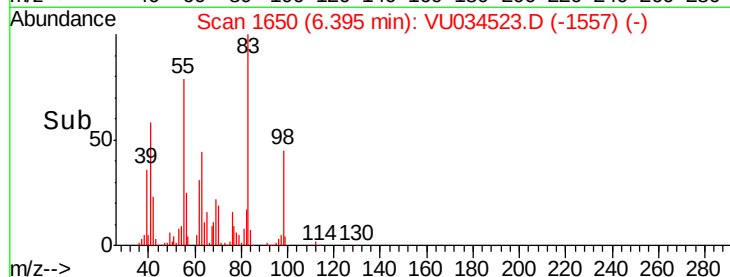
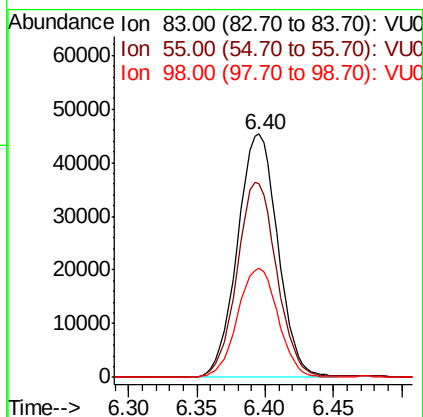
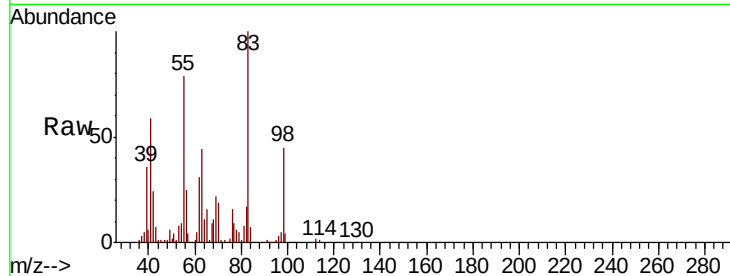




#39
Methylcyclohexane
Concen: 22.654 ug/l
RT: 6.40 min Scan# 1650
Delta R.T. 0.00 min
Lab File: VU034523.D
Acq: 12 Sep 2019 16:28

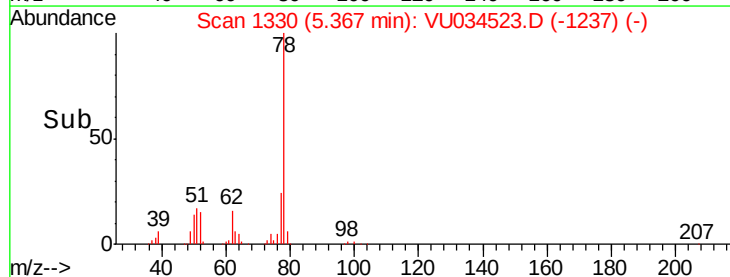
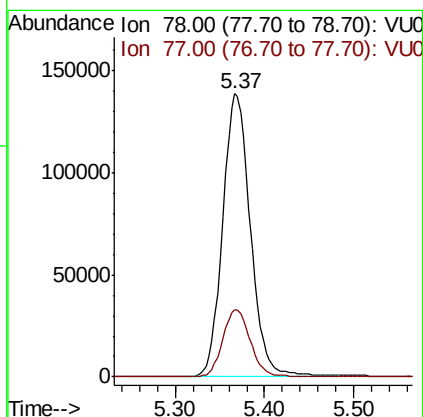
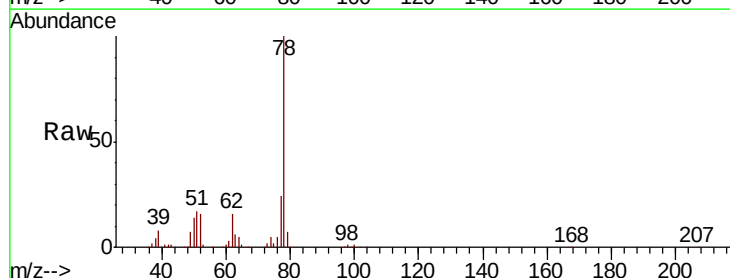
Instrument :
MSVOA_U
ClientSampleId :
VU0912WBS03

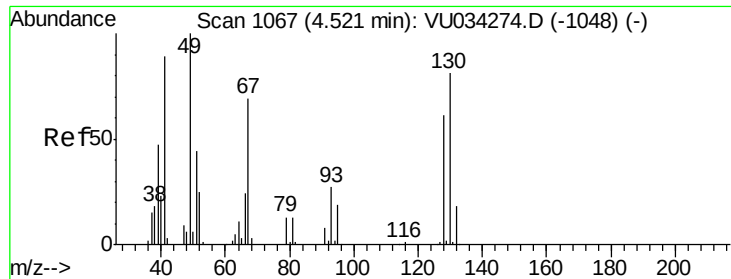
Tgt Ion: 83 Resp: 93302
Ion Ratio Lower Upper
83 100
55 79.3 62.1 93.1
98 44.7 37.0 55.6



#40
Benzene
Concen: 24.069 ug/l
RT: 5.37 min Scan# 1330
Delta R.T. 0.00 min
Lab File: VU034523.D
Acq: 12 Sep 2019 16:28

Tgt Ion: 78 Resp: 299222
Ion Ratio Lower Upper
78 100
77 23.8 18.7 28.1

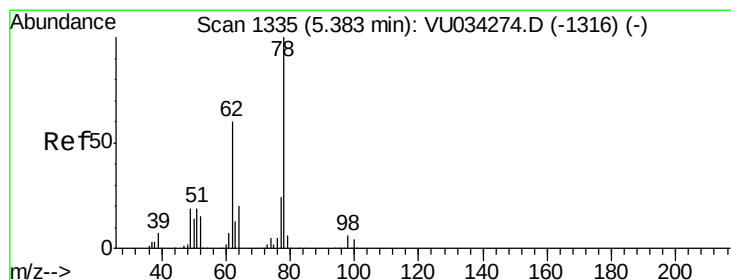
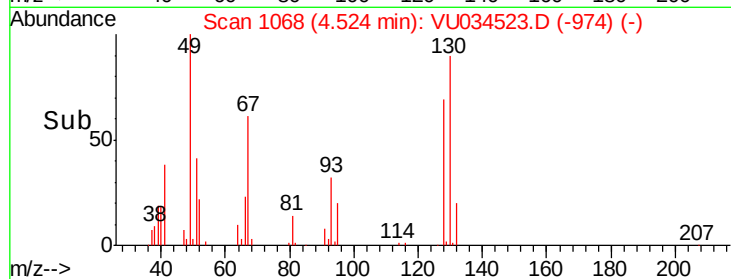
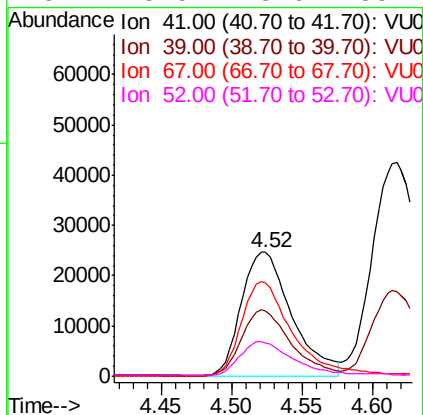
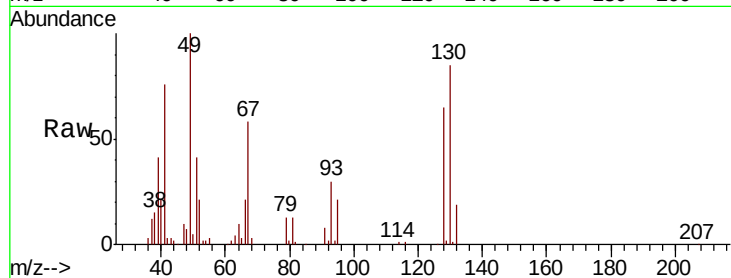




#41
Methacrylonitrile
Concen: 25.505 ug/l
RT: 4.52 min Scan# 1068
Delta R.T. 0.00 min
Lab File: VU034523.D
Acq: 12 Sep 2019 16:28

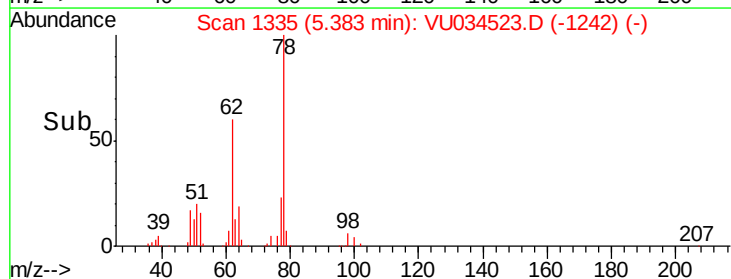
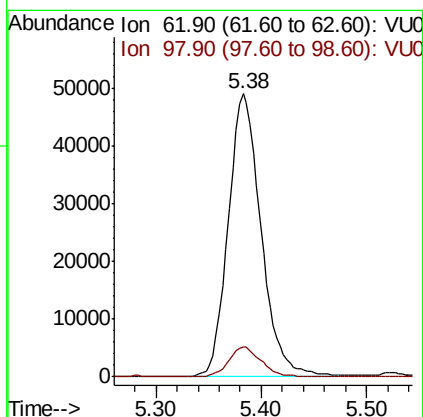
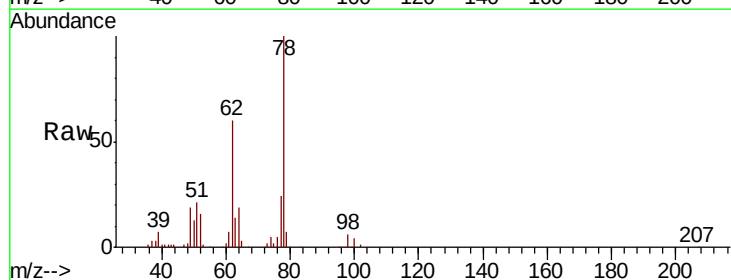
Instrument :
MSVOA_U
ClientSampleId :
VU0912WBS03

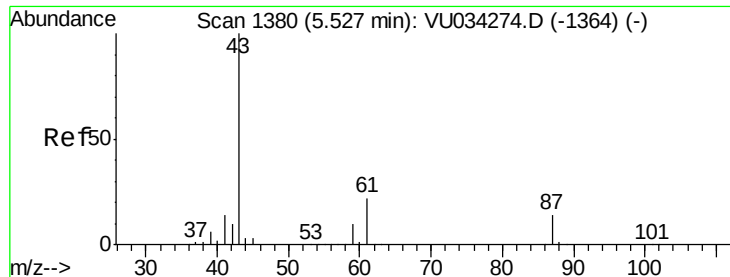
Tgt Ion:	41	Resp:	61885
Ion	Ratio	Lower	Upper
41	100		
39	52.5	41.0	61.4
67	78.8	62.4	93.6
52	28.5	23.6	35.4



#42
1,2-Dichloroethane
Concen: 24.556 ug/l
RT: 5.38 min Scan# 1335
Delta R.T. 0.00 min
Lab File: VU034523.D
Acq: 12 Sep 2019 16:28

Tgt Ion:	62	Resp:	105991
Ion	Ratio	Lower	Upper
62	100		
98	10.2	0.0	20.0





#43

Isopropyl Acetate

Concen: 24.420 ug/l

RT: 5.53 min Scan# 1380

Delta R.T. 0.00 min

Lab File: VU034523.D

Acq: 12 Sep 2019 16:28

Instrument :

MSVOA_U

ClientSampleId :

VU0912WBS03

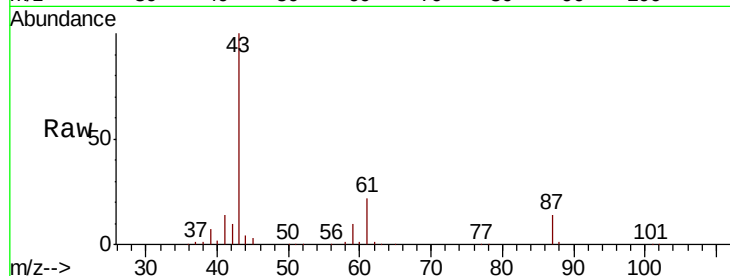
Tgt Ion: 43 Resp: 173531

Ion Ratio Lower Upper

43 100

61 21.8 17.1 25.7

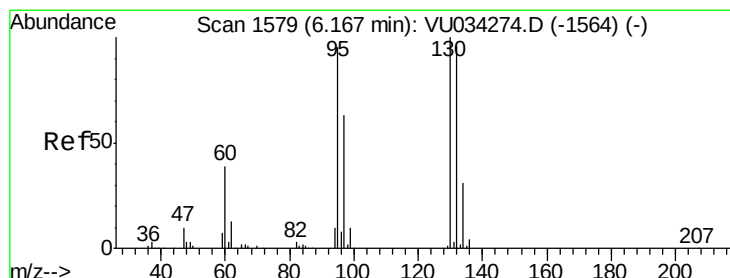
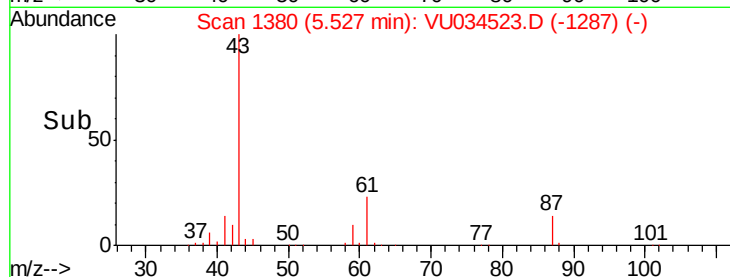
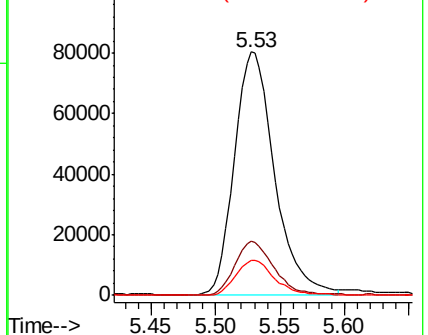
87 14.2 11.1 16.7



Abundance Ion 43.00 (42.70 to 43.70): VU034274.D (-1364) (-)

Ion 61.00 (60.70 to 61.70): VU034274.D (-1364) (-)

Ion 87.00 (86.70 to 87.70): VU034274.D (-1364) (-)



#44

Trichloroethene

Concen: 23.160 ug/l

RT: 6.17 min Scan# 1579

Delta R.T. 0.00 min

Lab File: VU034523.D

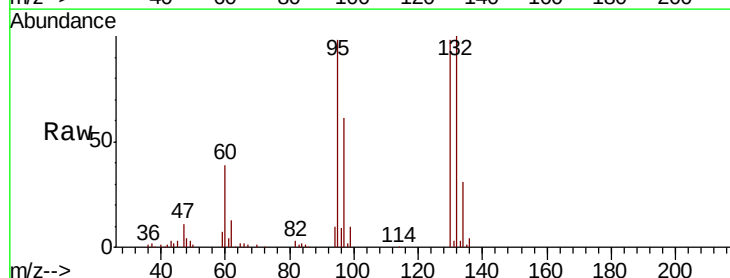
Acq: 12 Sep 2019 16:28

Tgt Ion: 130 Resp: 79675

Ion Ratio Lower Upper

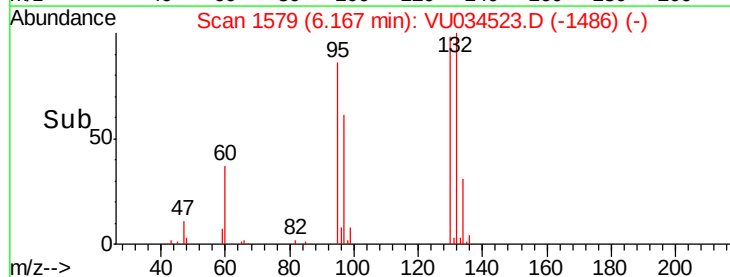
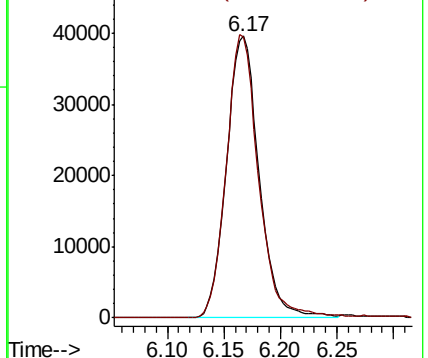
130 100

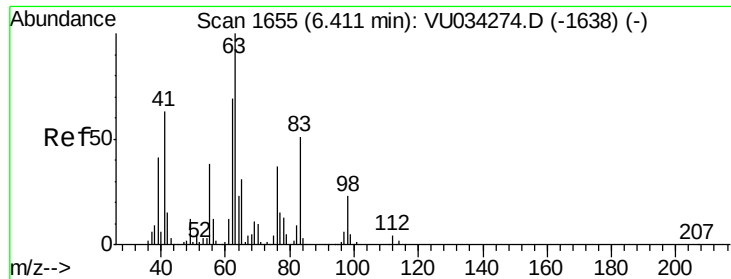
95 99.8 0.0 189.2



Abundance Ion 129.80 (129.50 to 130.50): VU034274.D (-1564) (-)

Ion 94.90 (94.60 to 95.60): VU034274.D (-1564) (-)

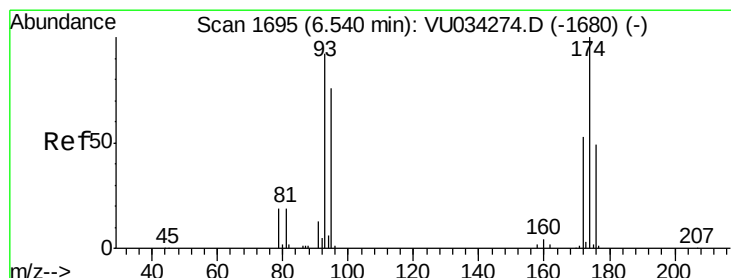
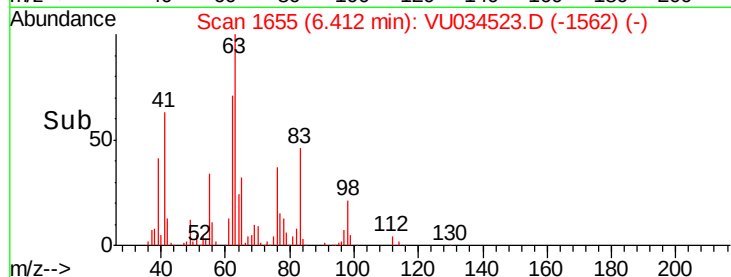
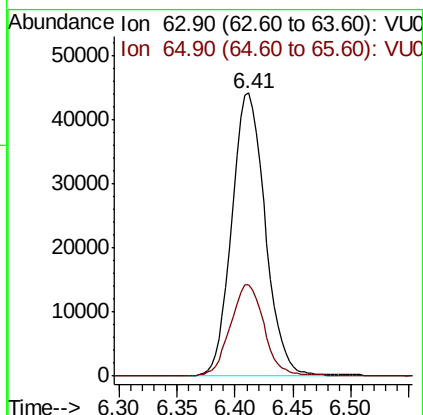
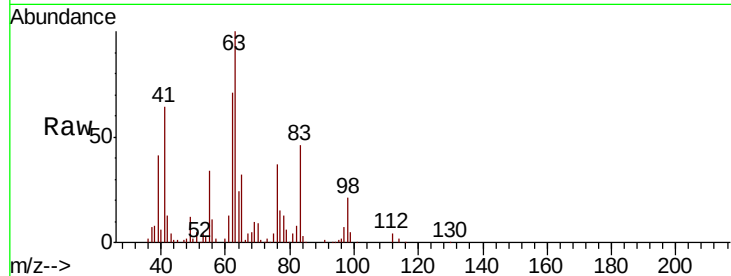




#45
 1,2-Dichloropropane
 Concen: 24.305 ug/l
 RT: 6.41 min Scan# 1655
 Delta R.T. 0.00 min
 Lab File: VU034523.D
 Acq: 12 Sep 2019 16:28

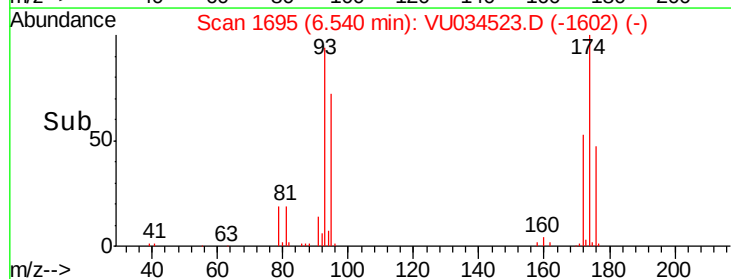
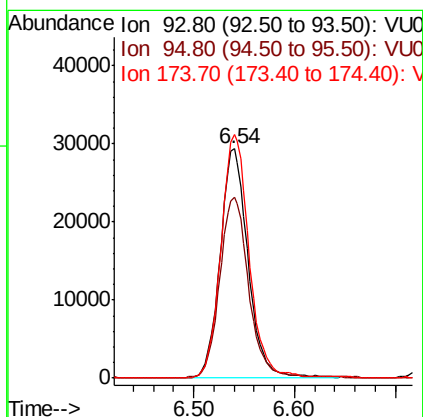
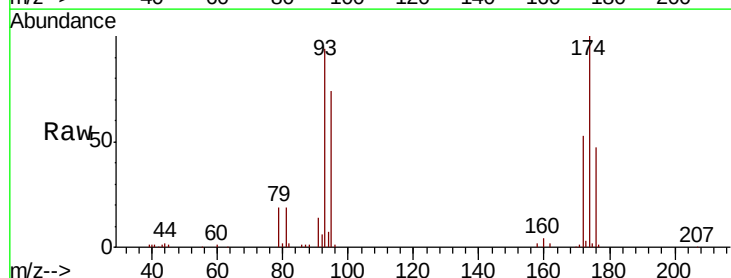
Instrument :
 MSVOA_U
 ClientSampleId :
 VU0912WBS03

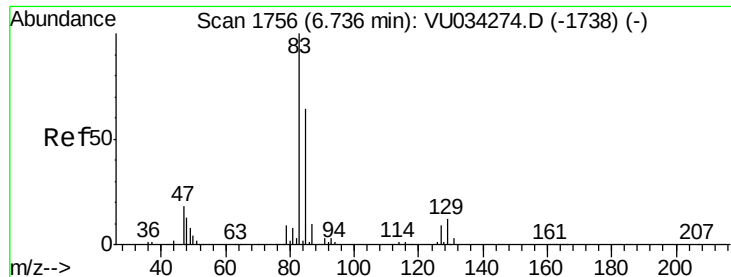
Tgt Ion: 63 Resp: 88333
 Ion Ratio Lower Upper
 63 100
 65 32.2 24.6 37.0



#46
 Dibromomethane
 Concen: 24.930 ug/l
 RT: 6.54 min Scan# 1695
 Delta R.T. 0.00 min
 Lab File: VU034523.D
 Acq: 12 Sep 2019 16:28

Tgt Ion: 93 Resp: 56873
 Ion Ratio Lower Upper
 93 100
 95 81.6 66.5 99.7
 174 106.7 87.8 131.6





#47

Bromodichloromethane

Concen: 24.659 ug/l

RT: 6.73 min Scan# 1755

Delta R.T. -0.00 min

Lab File: VU034523.D

Acq: 12 Sep 2019 16:28

Instrument :

MSVOA_U

ClientSampleId :

VU0912WBS03

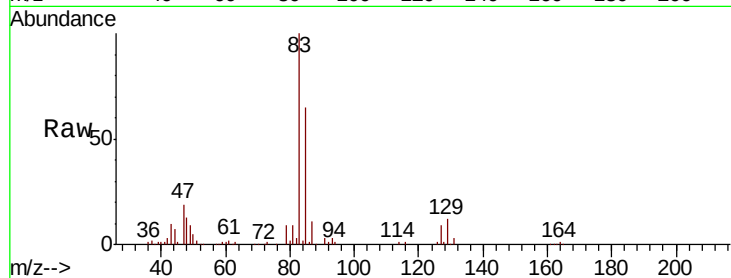
Tgt Ion: 83 Resp: 115796

Ion Ratio Lower Upper

83 100

85 65.4 51.1 76.7

127 8.9 7.2 10.8

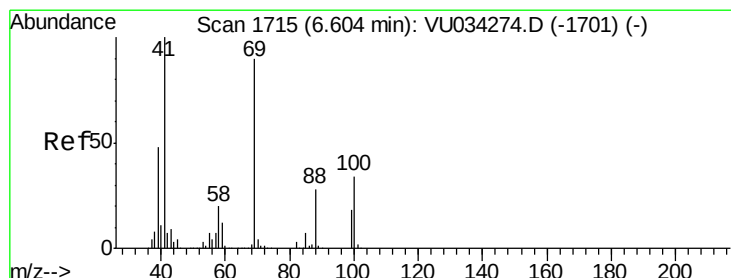
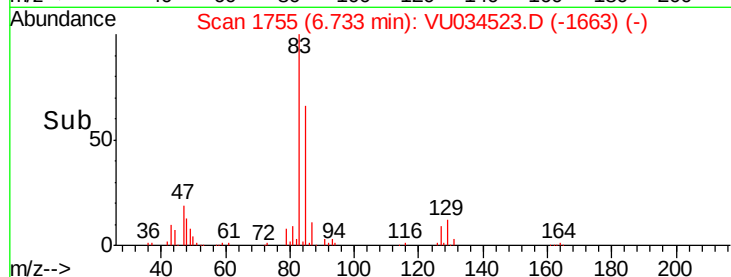


Abundance Ion 82.90 (82.60 to 83.60): VU034523.D (-1663) (-)

Ion 84.90 (84.60 to 85.60): VU034523.D (-1663) (-)

Ion 126.80 (126.50 to 127.50): VU034523.D (-1663) (-)

Time-->



#48

Methyl methacrylate

Concen: 23.475 ug/l

RT: 6.60 min Scan# 1715

Delta R.T. 0.00 min

Lab File: VU034523.D

Acq: 12 Sep 2019 16:28

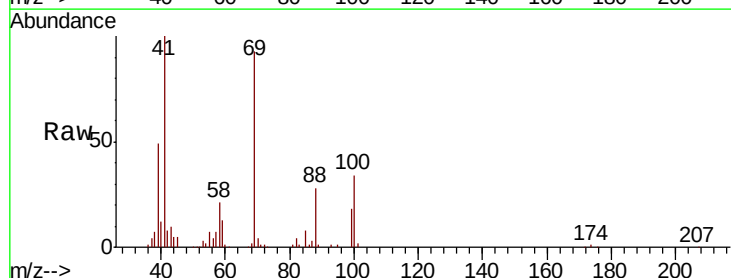
Tgt Ion: 41 Resp: 79231

Ion Ratio Lower Upper

41 100

69 95.9 72.8 109.2

39 50.7 38.6 58.0

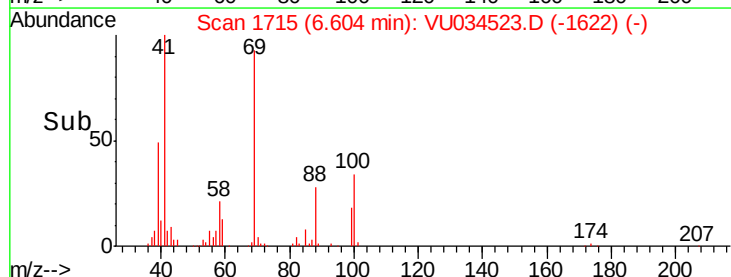


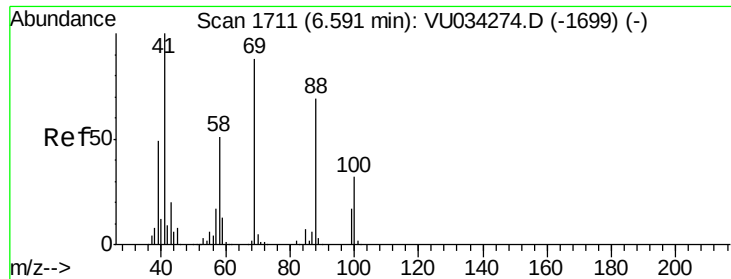
Abundance Ion 41.00 (40.70 to 41.70): VU034523.D (-1622) (-)

Ion 69.00 (68.70 to 69.70): VU034523.D (-1622) (-)

Ion 39.00 (38.70 to 39.70): VU034523.D (-1622) (-)

Time-->

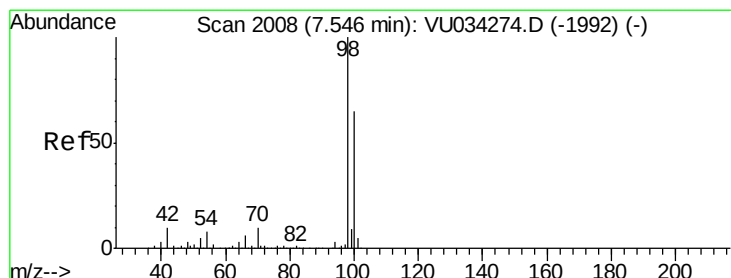
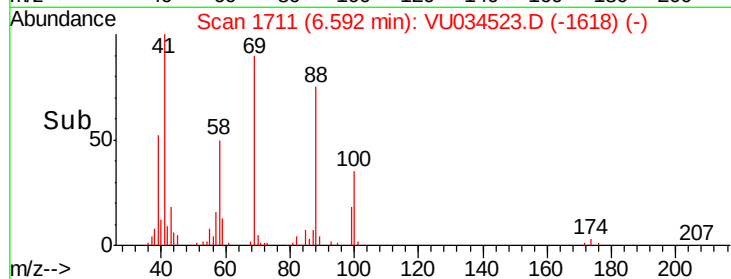
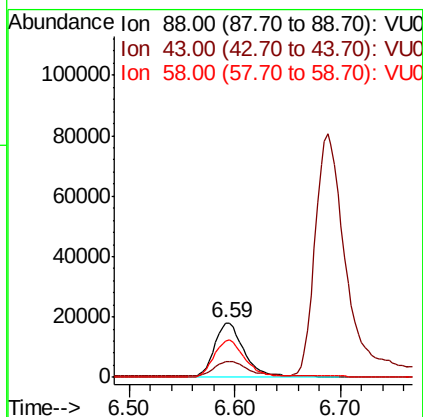
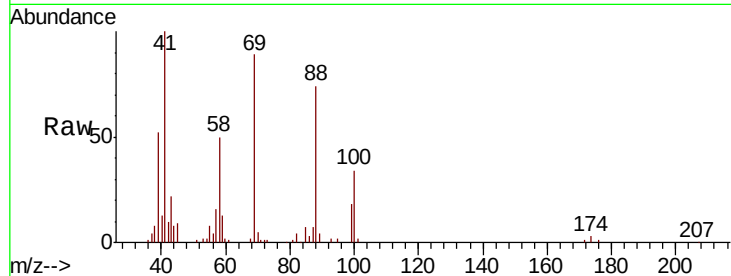




#49
1,4-Dioxane
Concen: 483.753 ug/l
RT: 6.59 min Scan# 1711
Delta R.T. 0.00 min
Lab File: VU034523.D
Acq: 12 Sep 2019 16:28

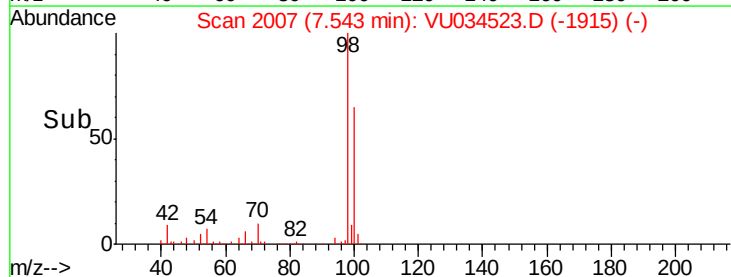
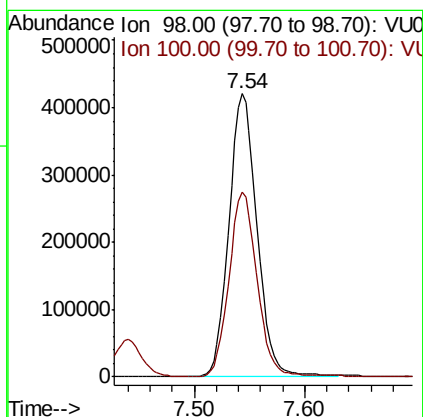
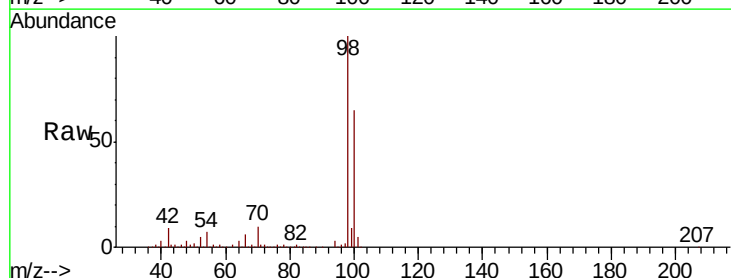
Instrument :
MSVOA_U
ClientSampleId :
VU0912WBS03

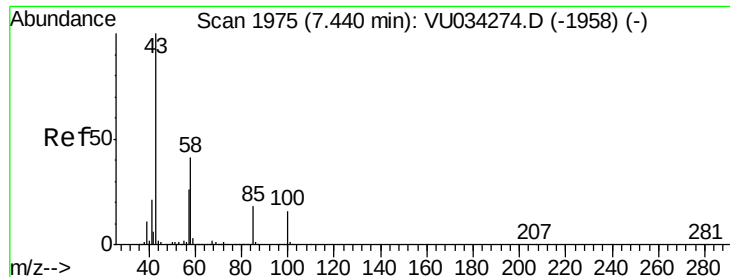
Tgt Ion: 88 Resp: 35653
Ion Ratio Lower Upper
88 100
43 29.5 23.8 35.6
58 70.6 58.4 87.6



#50
Toluene-d8
Concen: 59.975 ug/l
RT: 7.54 min Scan# 2007
Delta R.T. -0.00 min
Lab File: VU034523.D
Acq: 12 Sep 2019 16:28

Tgt Ion: 98 Resp: 744862
Ion Ratio Lower Upper
98 100
100 65.1 51.7 77.5





#51

4-Methyl-2-Pentanone

Concen: 123.913 ug/l

RT: 7.44 min Scan# 1974

Delta R.T. -0.00 min

Lab File: VU034523.D

Acq: 12 Sep 2019 16:28

Instrument :

MSVOA_U

ClientSampleId :

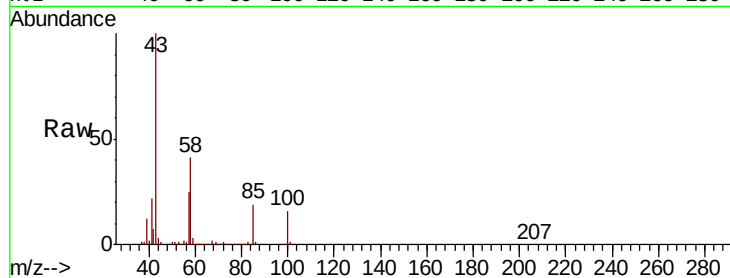
VU0912WBS03

Tgt Ion: 43 Resp: 609514

Ion Ratio Lower Upper

43 100

58 41.7 33.0 49.4



Abundance Ion 43.00 (42.70 to 43.70): VU034274.D (-1958) (-)

Ion 58.00 (57.70 to 58.70): VU034274.D (-1958) (-)

7.44

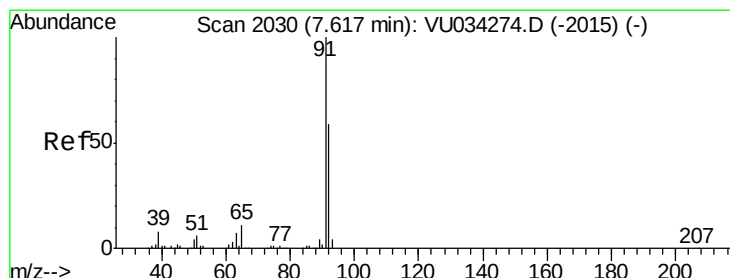
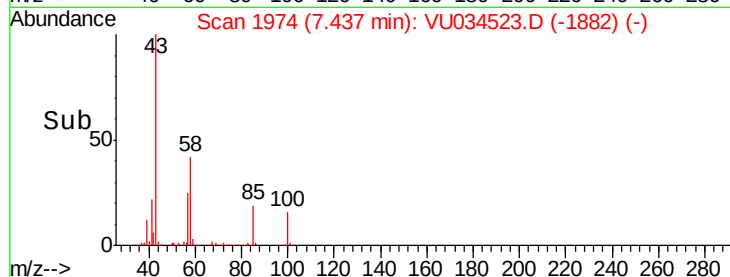
300000

200000

100000

0

Time--> 7.30 7.40 7.50



#52

Toluene

Concen: 24.833 ug/l

RT: 7.62 min Scan# 2030

Delta R.T. 0.00 min

Lab File: VU034523.D

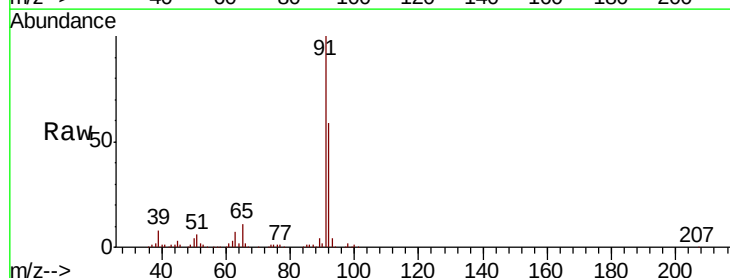
Acq: 12 Sep 2019 16:28

Tgt Ion: 92 Resp: 193668

Ion Ratio Lower Upper

92 100

91 169.8 136.6 205.0



Abundance Ion 92.00 (91.70 to 92.70): VU034274.D (-2015) (-)

Ion 91.00 (90.70 to 91.70): VU034274.D (-2015) (-)

7.62

200000

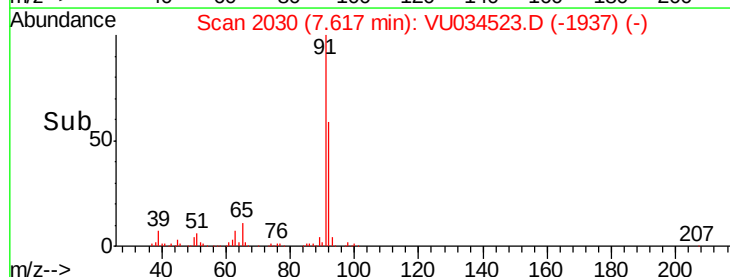
150000

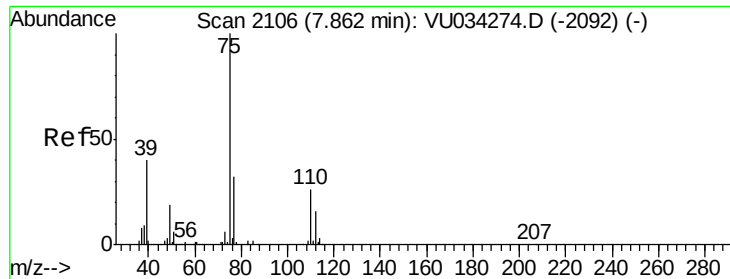
100000

50000

0

Time--> 7.50 7.60 7.70 7.80





#53

t-1,3-Dichloropropene

Concen: 24.602 ug/l

RT: 7.86 min Scan# 2105

Delta R.T. -0.00 min

Lab File: VU034523.D

Acq: 12 Sep 2019 16:28

Instrument :

MSVOA_U

ClientSampleId :

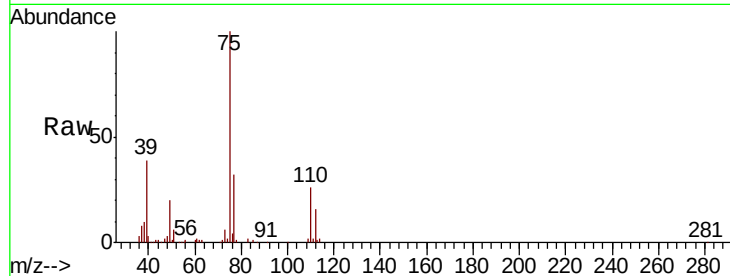
VU0912WBS03

Tgt Ion: 75 Resp: 119760

Ion Ratio Lower Upper

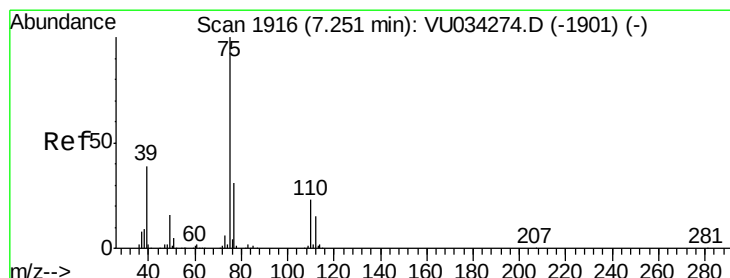
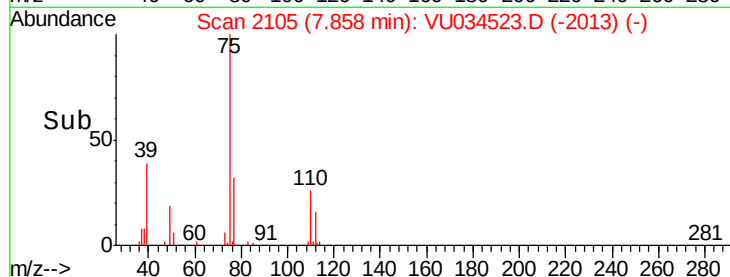
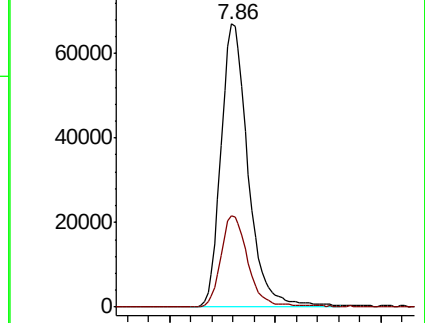
75 100

77 32.3 25.7 38.5



Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 76.90 (76.60 to 77.60): VU0



#54

cis-1,3-Dichloropropene

Concen: 24.979 ug/l

RT: 7.25 min Scan# 1915

Delta R.T. -0.00 min

Lab File: VU034523.D

Acq: 12 Sep 2019 16:28

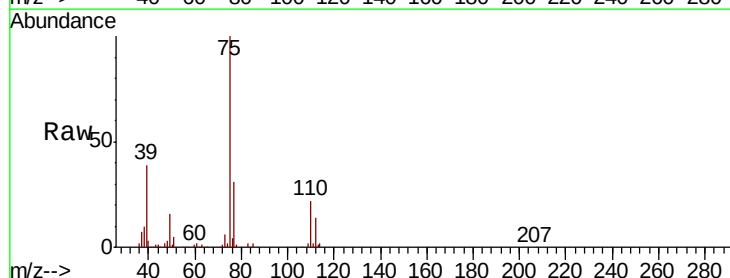
Tgt Ion: 75 Resp: 133456

Ion Ratio Lower Upper

75 100

77 31.0 25.1 37.7

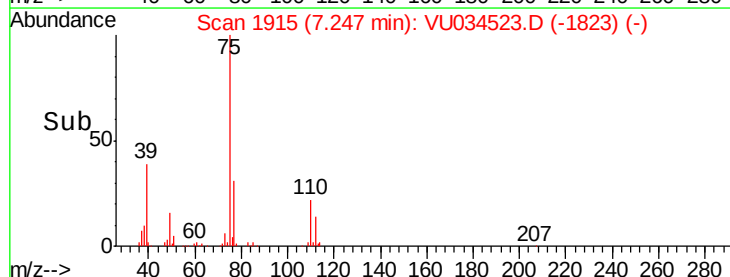
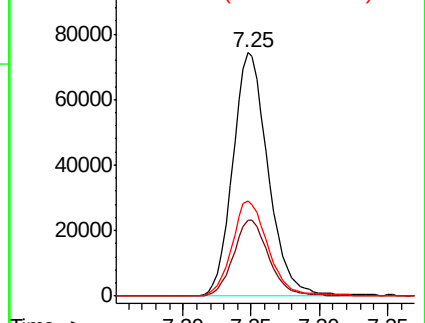
39 39.3 31.2 46.8

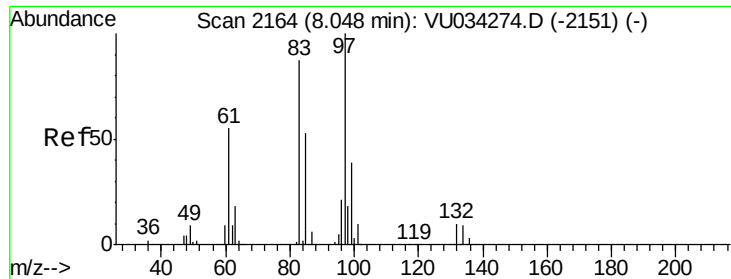


Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 76.90 (76.60 to 77.60): VU0

Ion 39.00 (38.70 to 39.70): VU0

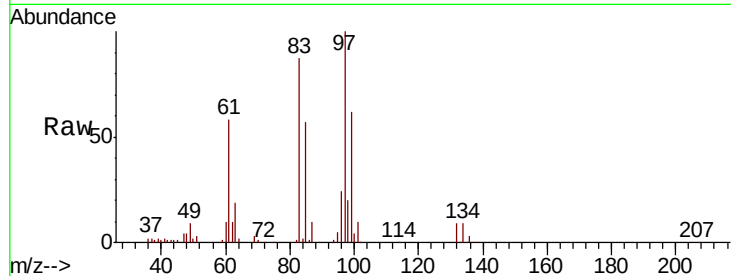




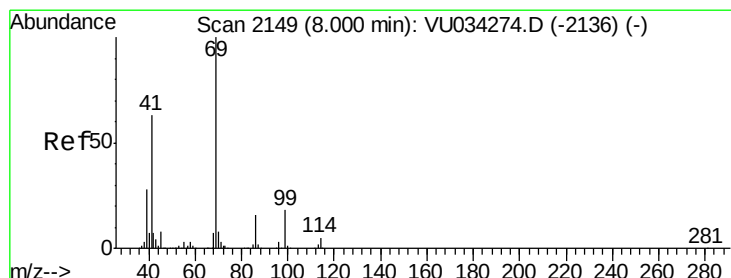
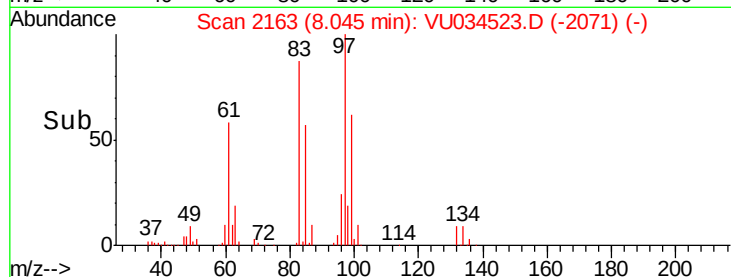
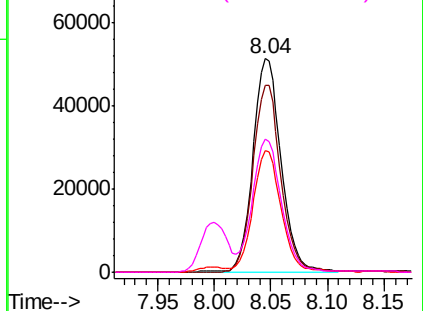
#55
 1,1,2-Trichloroethane
 Concen: 25.073 ug/l
 RT: 8.04 min Scan# 2163
 Delta R.T. -0.00 min
 Lab File: VU034523.D
 Acq: 12 Sep 2019 16:28

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0912WBS03

Tgt Ion:	97	Resp:	88788
Ion	Ratio	Lower	Upper
97	100		
83	87.3	69.0	103.6
85	56.3	44.2	66.2
99	61.7	49.4	74.0

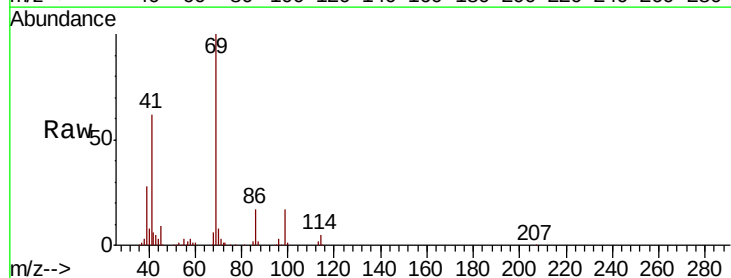


Abundance Ion 96.90 (96.60 to 97.60): VU0
 Ion 82.90 (82.60 to 83.60): VU0
 Ion 84.90 (84.60 to 85.60): VU0
 Ion 98.90 (98.60 to 99.60): VU0

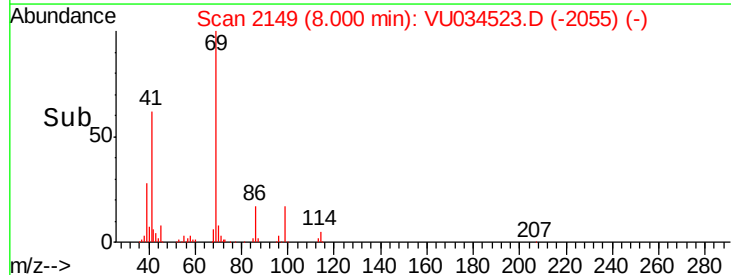
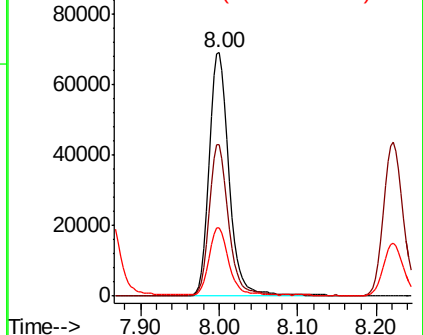


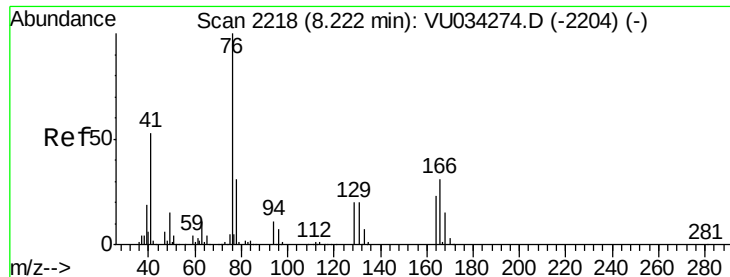
#56
 Ethyl methacrylate
 Concen: 24.136 ug/l
 RT: 8.00 min Scan# 2149
 Delta R.T. 0.00 min
 Lab File: VU034523.D
 Acq: 12 Sep 2019 16:28

Tgt Ion:	69	Resp:	120731
Ion	Ratio	Lower	Upper
69	100		
41	60.5	49.5	74.3
39	27.0	22.5	33.7



Abundance Ion 69.00 (68.70 to 69.70): VU0
 Ion 41.00 (40.70 to 41.70): VU0
 Ion 39.00 (38.70 to 39.70): VU0





#57

1,3-Dichloropropane

Concen: 24.610 ug/l

RT: 8.22 min Scan# 2218

Delta R.T. 0.00 min

Lab File: VU034523.D

Acq: 12 Sep 2019 16:28

Instrument :

MSVOA_U

ClientSampleId :

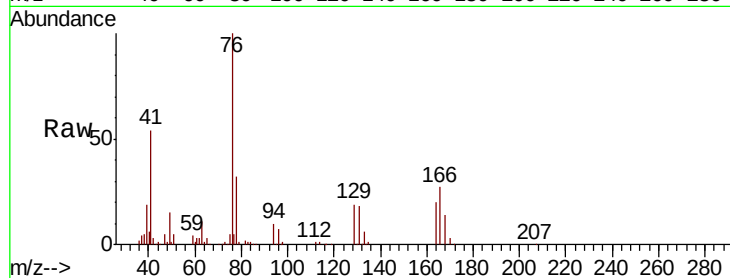
VU0912WBS03

Tgt Ion: 76 Resp: 141908

Ion Ratio Lower Upper

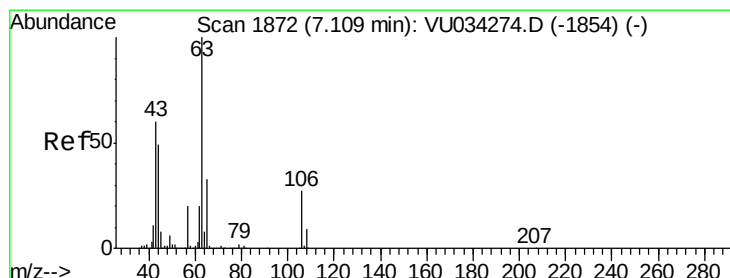
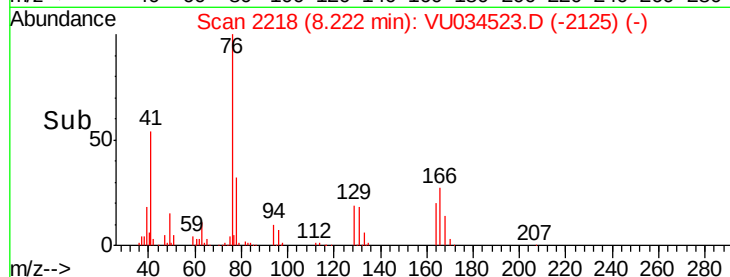
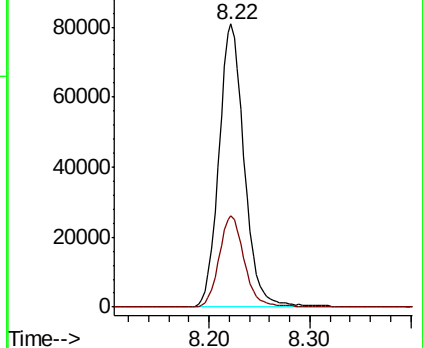
76 100

78 31.9 25.4 38.2



Abundance Ion 75.90 (75.60 to 76.60): VU0

Ion 77.90 (77.60 to 78.60): VU0



#58

2-Chloroethyl Vinyl ether

Concen: 115.370 ug/l

RT: 7.11 min Scan# 1872

Delta R.T. 0.00 min

Lab File: VU034523.D

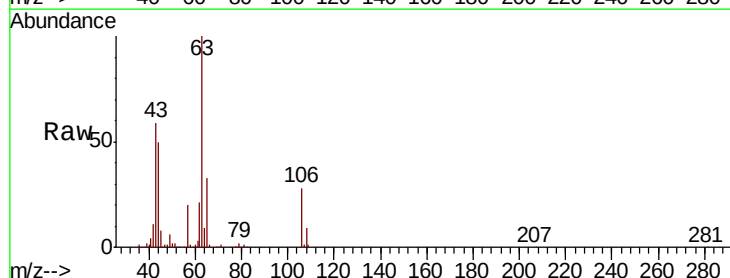
Acq: 12 Sep 2019 16:28

Tgt Ion: 63 Resp: 192551

Ion Ratio Lower Upper

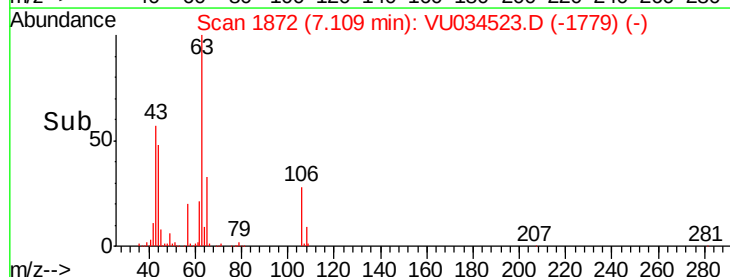
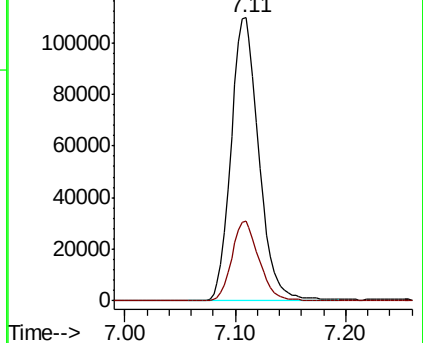
63 100

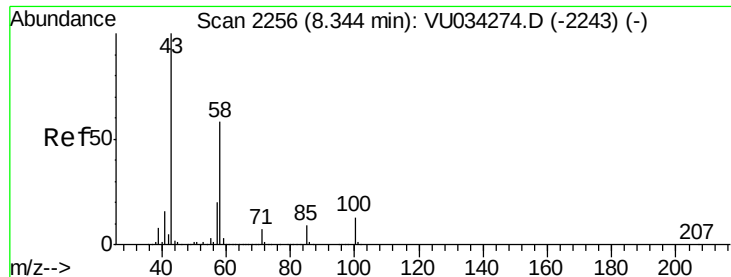
106 27.5 21.6 32.4



Abundance Ion 62.90 (62.60 to 63.60): VU0

Ion 105.90 (105.60 to 106.60): V

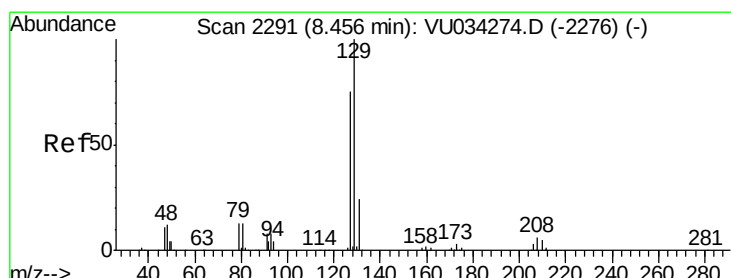
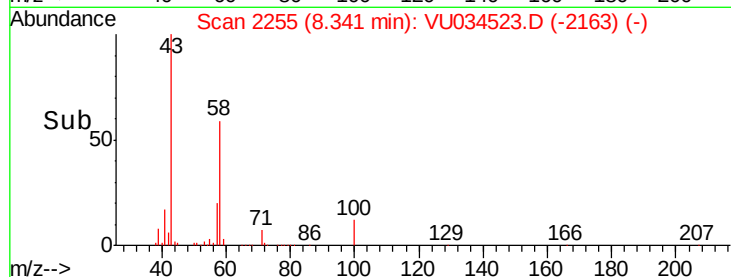
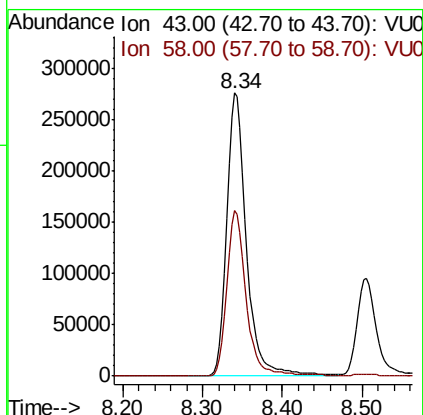
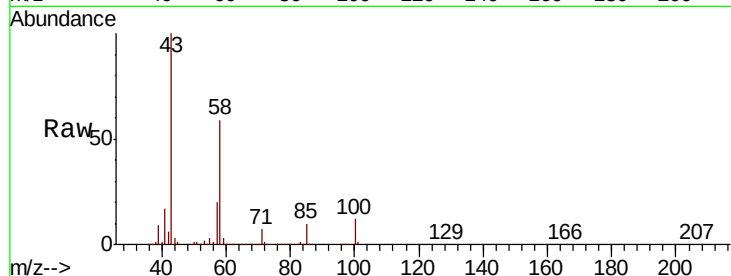




#59
2-Hexanone
Concen: 126.820 ug/l
RT: 8.34 min Scan# 2255
Delta R.T. -0.00 min
Lab File: VU034523.D
Acq: 12 Sep 2019 16:28

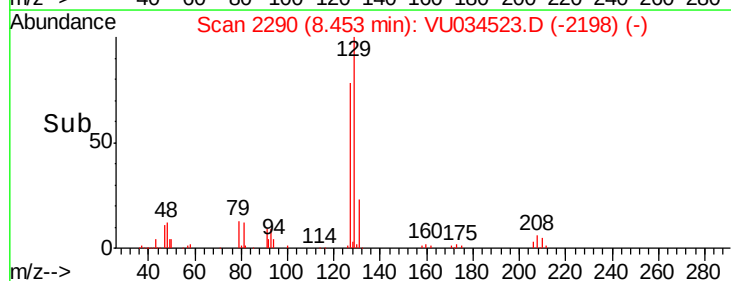
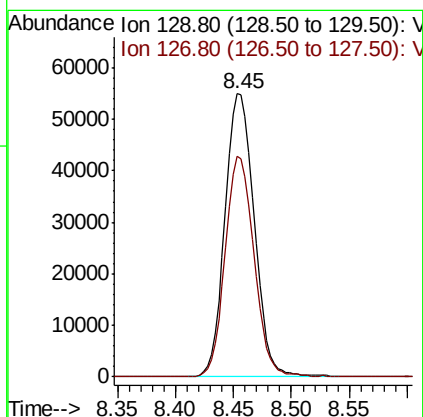
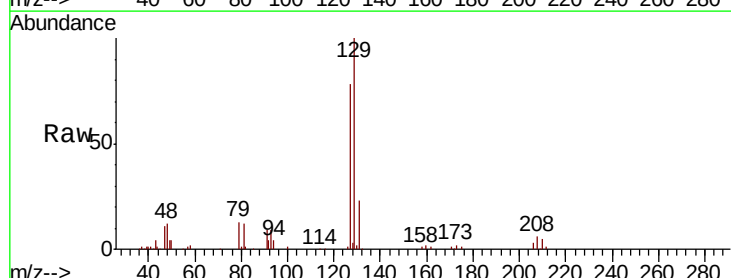
Instrument :
MSVOA_U
ClientSampleId :
VU0912WBS03

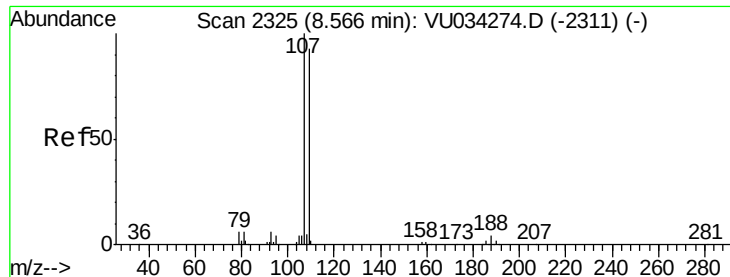
Tgt Ion: 43 Resp: 466019
Ion Ratio Lower Upper
43 100
58 58.1 28.8 86.5



#60
Dibromochloromethane
Concen: 25.298 ug/l
RT: 8.45 min Scan# 2290
Delta R.T. -0.00 min
Lab File: VU034523.D
Acq: 12 Sep 2019 16:28

Tgt Ion: 129 Resp: 96088
Ion Ratio Lower Upper
129 100
127 76.8 37.9 113.7





#61

1,2-Dibromoethane

Concen: 24.864 ug/l

RT: 8.57 min Scan# 2325

Delta R.T. 0.00 min

Lab File: VU034523.D

Acq: 12 Sep 2019 16:28

Instrument :

MSVOA_U

ClientSampleId :

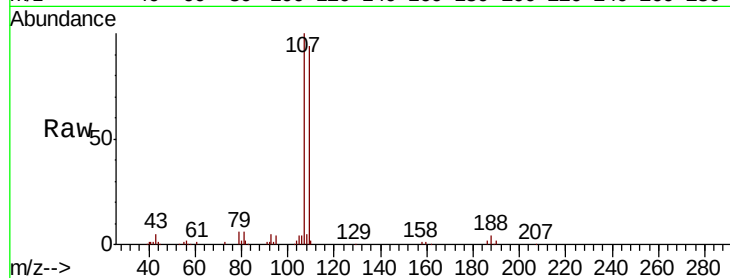
VU0912WBS03

Tgt Ion: 107 Resp: 86179

Ion Ratio Lower Upper

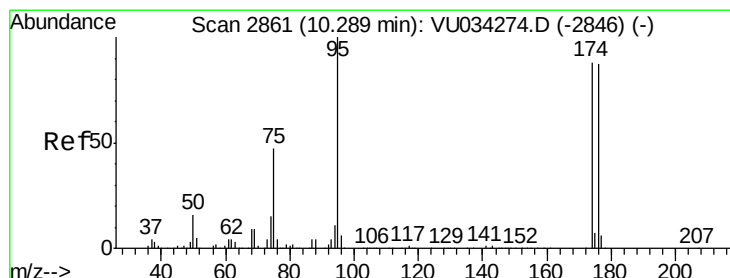
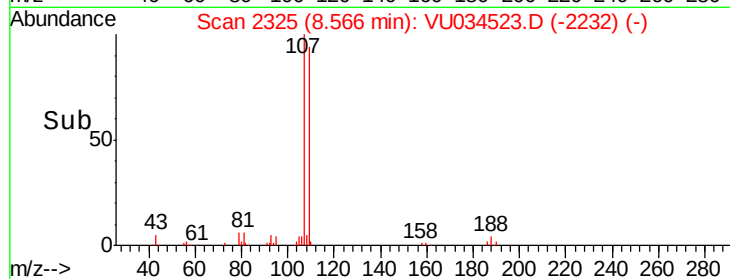
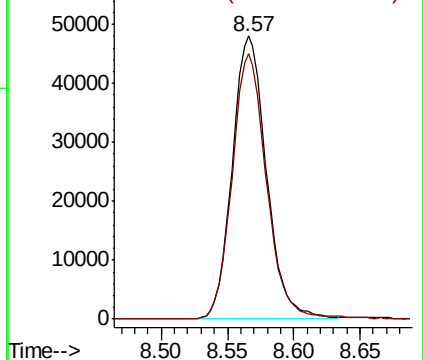
107 100

109 93.4 75.0 112.6



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 59.202 ug/l

RT: 10.29 min Scan# 2860

Delta R.T. -0.00 min

Lab File: VU034523.D

Acq: 12 Sep 2019 16:28

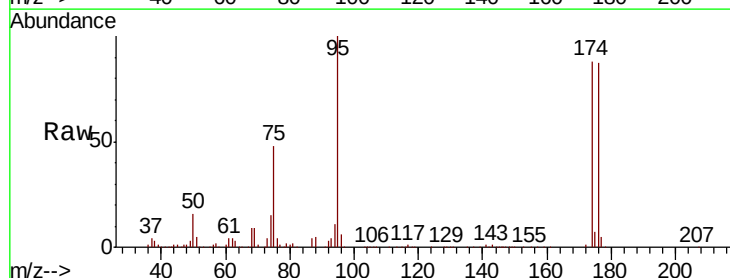
Tgt Ion: 95 Resp: 283882

Ion Ratio Lower Upper

95 100

174 88.4 0.0 175.2

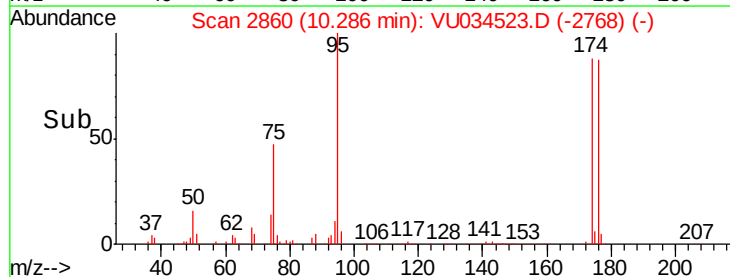
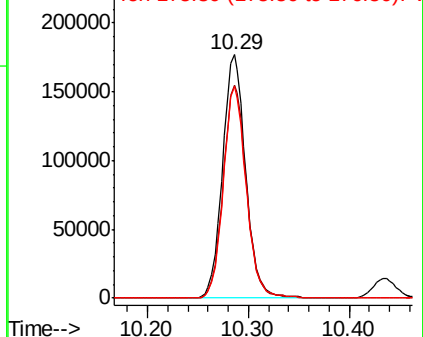
176 85.6 0.0 168.0

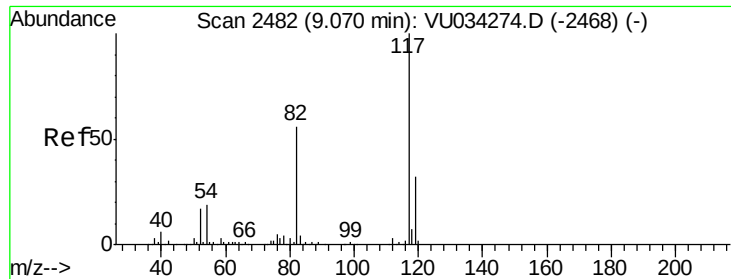


Abundance Ion 94.90 (94.60 to 95.60): VU0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

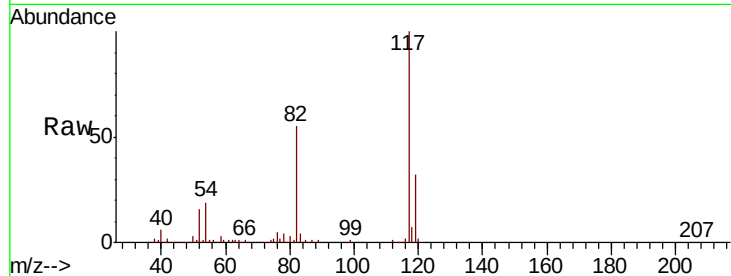




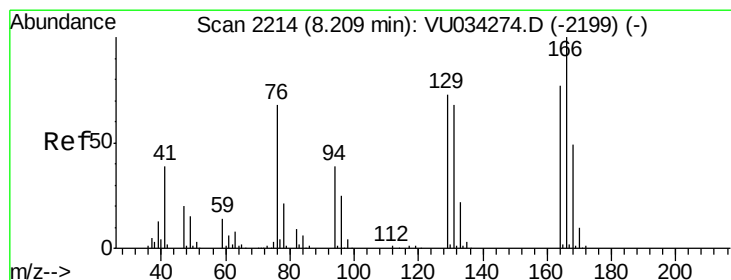
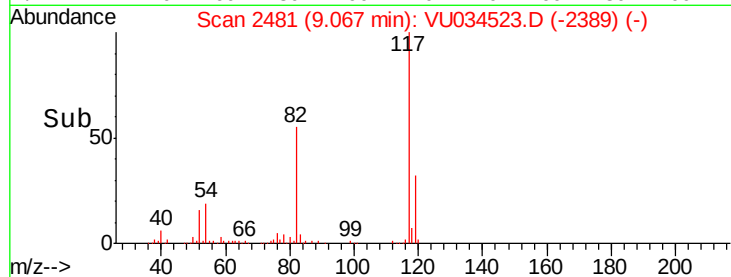
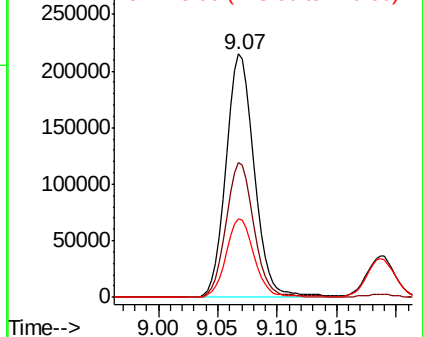
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.07 min Scan# 2481
Delta R.T. -0.00 min
Lab File: VU034523.D
Acq: 12 Sep 2019 16:28

Instrument :
MSVOA_U
ClientSampleId :
VU0912WBS03

Tgt Ion:117 Resp: 355887
Ion Ratio Lower Upper
117 100
82 55.5 44.6 67.0
119 32.2 25.9 38.9

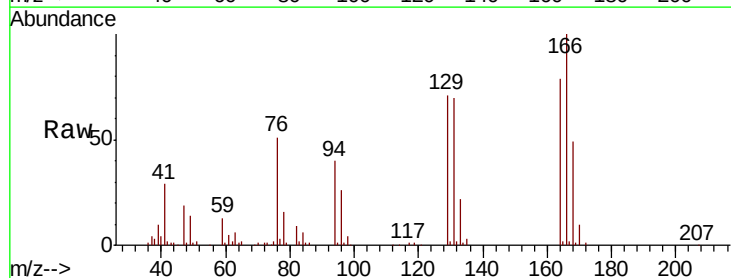


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VU0
Ion 118.90 (118.60 to 119.60): V

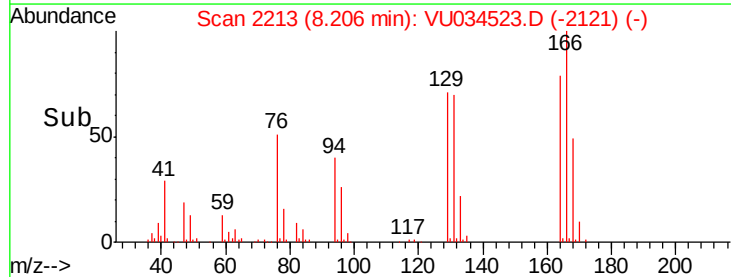
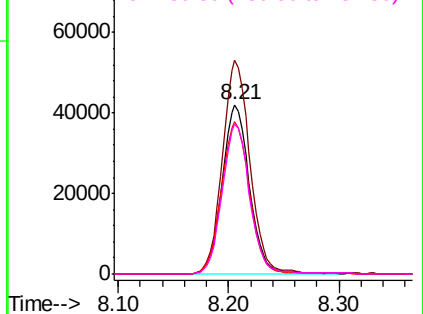


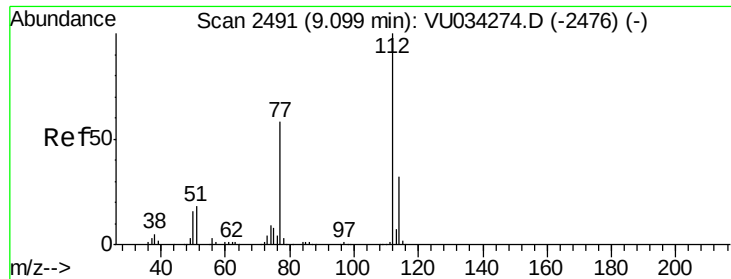
#64
Tetrachloroethene
Concen: 23.497 ug/l
RT: 8.21 min Scan# 2213
Delta R.T. -0.00 min
Lab File: VU034523.D
Acq: 12 Sep 2019 16:28

Tgt Ion:164 Resp: 72547
Ion Ratio Lower Upper
164 100
166 126.4 103.7 155.5
129 89.9 75.8 113.8
131 88.9 70.7 106.1



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

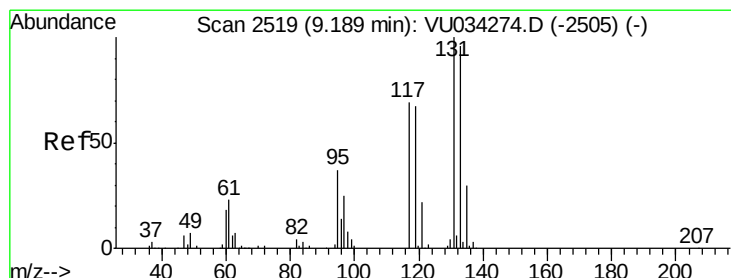
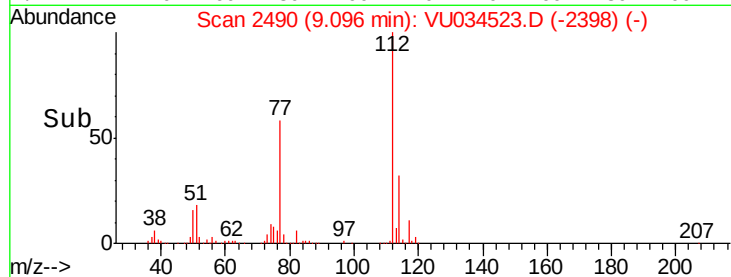
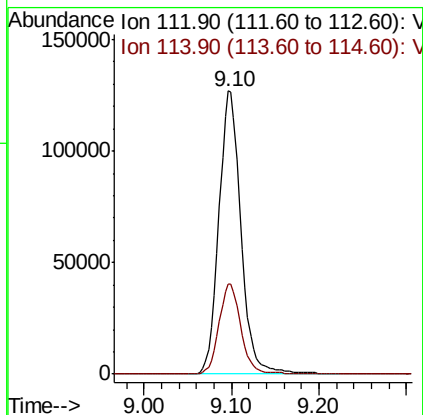
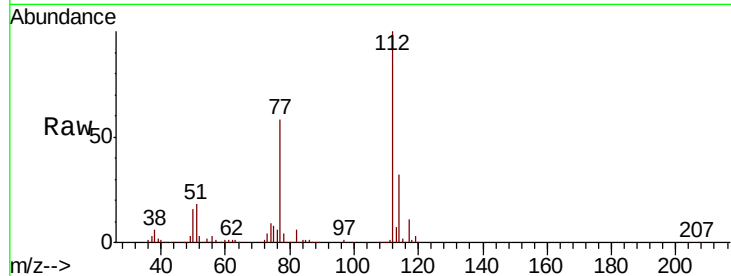




#65
Chlorobenzene
Concen: 24.673 ug/l
RT: 9.10 min Scan# 2490
Delta R.T. -0.00 min
Lab File: VU034523.D
Acq: 12 Sep 2019 16:28

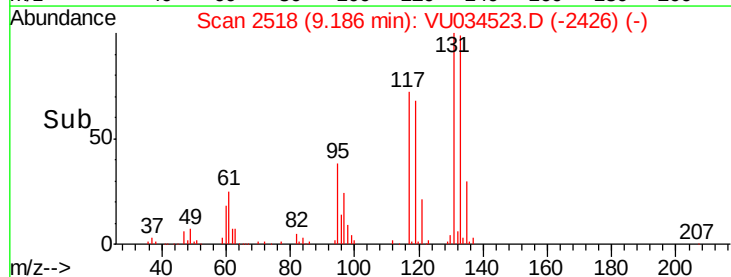
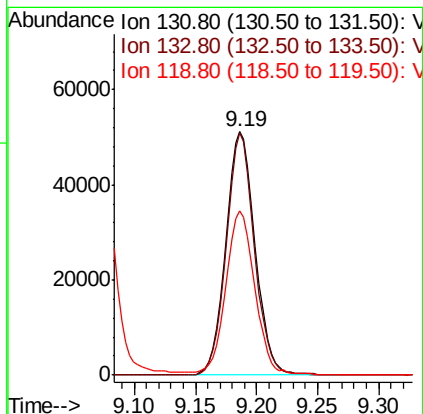
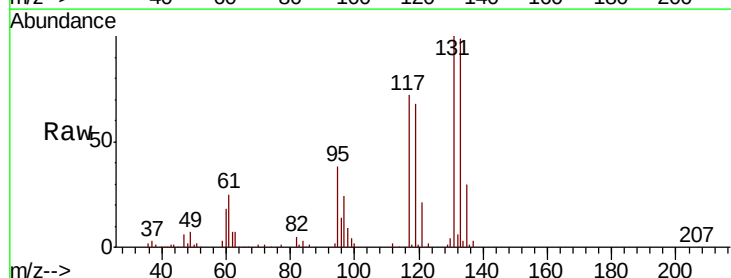
Instrument :
MSVOA_U
ClientSampleId :
VU0912WBS03

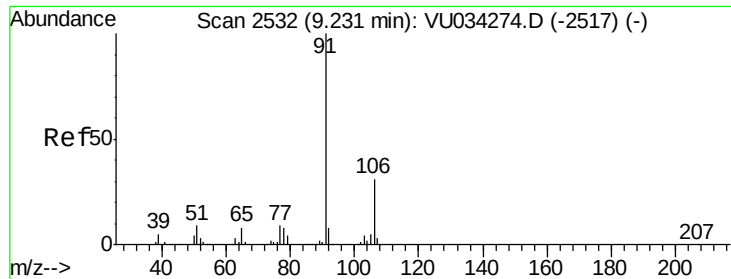
Tgt Ion:112 Resp: 222772
Ion Ratio Lower Upper
112 100
114 32.0 25.9 38.9



#66
1,1,1,2-Tetrachloroethane
Concen: 24.893 ug/l
RT: 9.19 min Scan# 2518
Delta R.T. -0.00 min
Lab File: VU034523.D
Acq: 12 Sep 2019 16:28

Tgt Ion:131 Resp: 85777
Ion Ratio Lower Upper
131 100
133 95.4 47.9 143.7
119 66.6 33.1 99.5

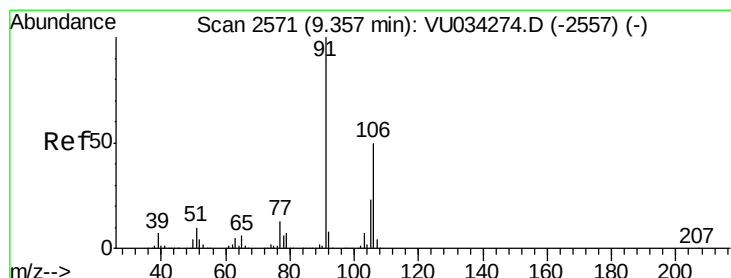
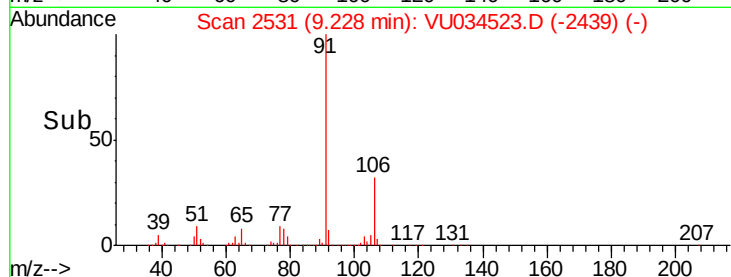
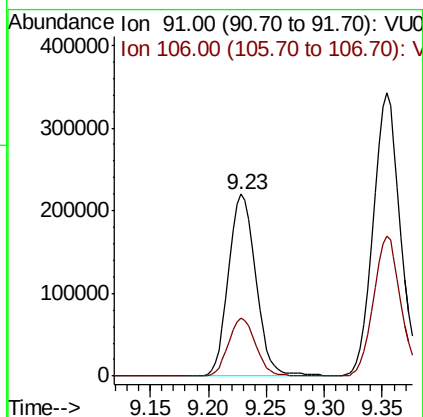
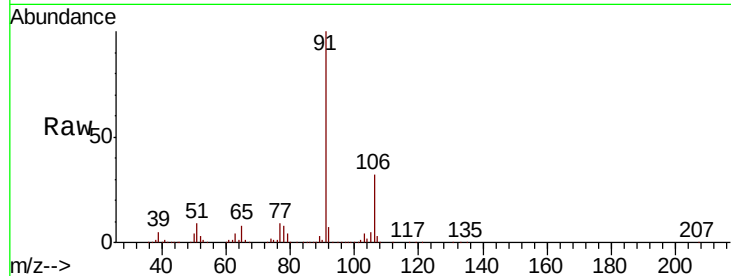




#67
Ethyl Benzene
Concen: 24.372 ug/l
RT: 9.23 min Scan# 2531
Delta R.T. -0.00 min
Lab File: VU034523.D
Acq: 12 Sep 2019 16:28

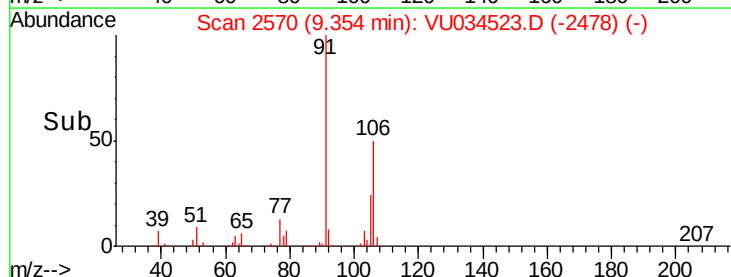
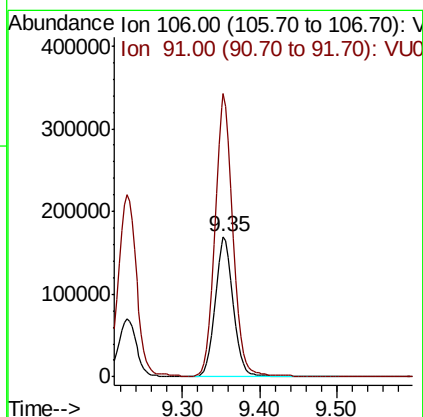
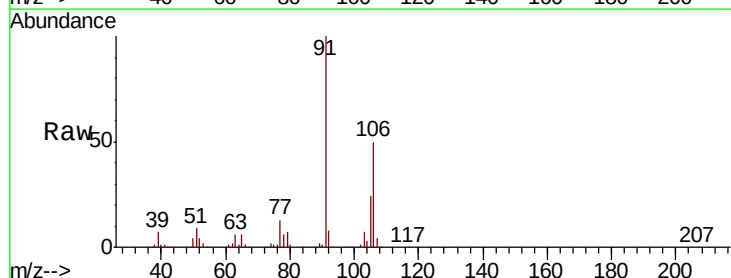
Instrument :
MSVOA_U
ClientSampleId :
VU0912WBS03

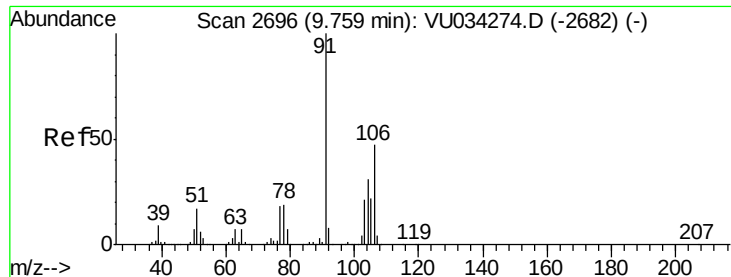
Tgt Ion: 91 Resp: 359796
Ion Ratio Lower Upper
91 100
106 31.8 24.8 37.2



#68
m/p-Xylenes
Concen: 50.831 ug/l
RT: 9.35 min Scan# 2570
Delta R.T. -0.00 min
Lab File: VU034523.D
Acq: 12 Sep 2019 16:28

Tgt Ion: 106 Resp: 282576
Ion Ratio Lower Upper
106 100
91 199.0 160.1 240.1

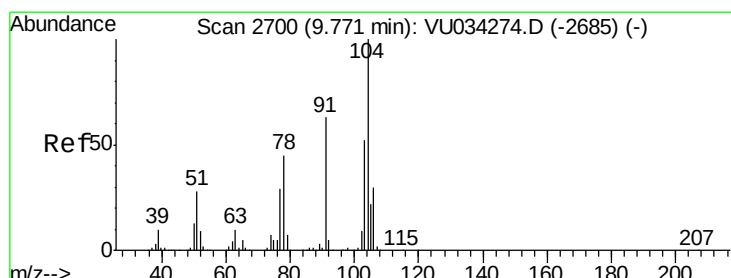
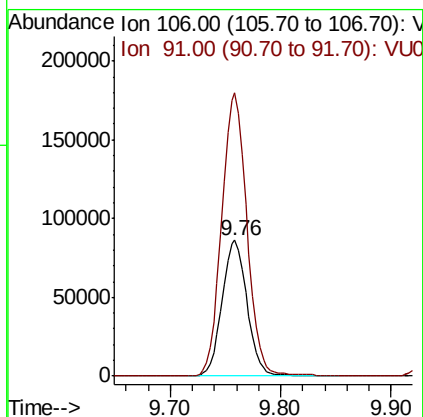
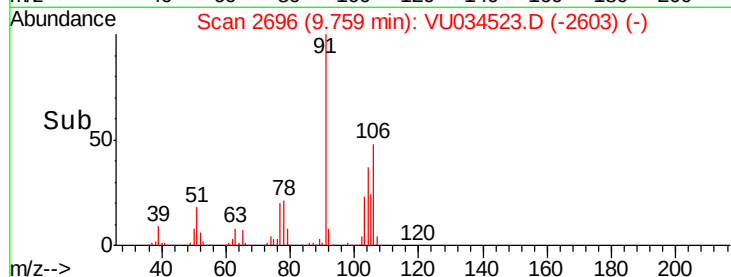
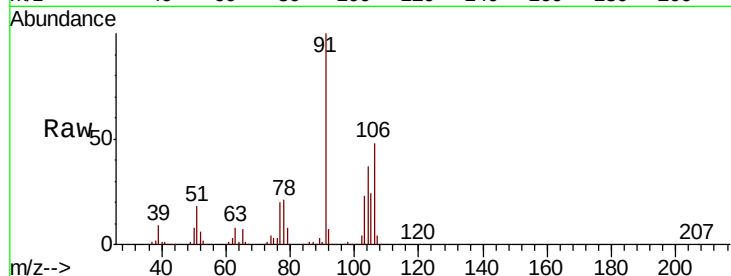




#69
o-Xylene
Concen: 25.080 ug/l
RT: 9.76 min Scan# 2696
Delta R.T. 0.00 min
Lab File: VU034523.D
Acq: 12 Sep 2019 16:28

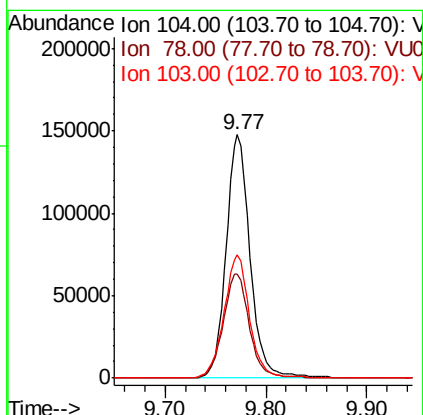
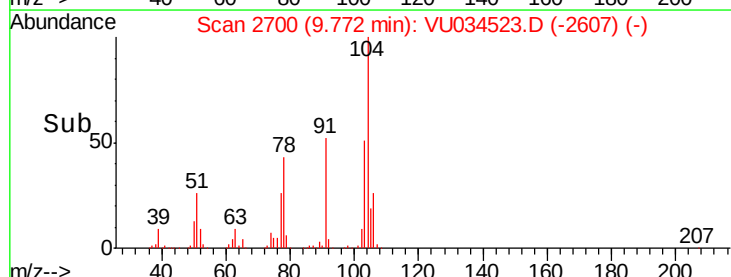
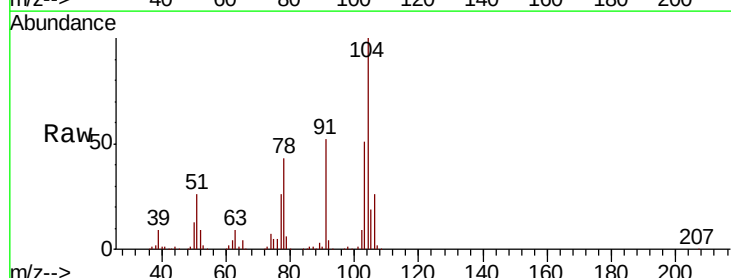
Instrument :
MSVOA_U
ClientSampleId :
VU0912WBS03

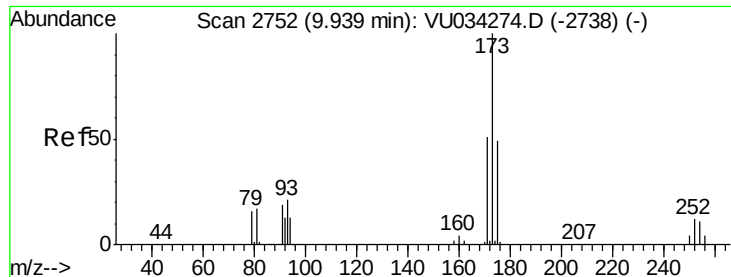
Tgt Ion:106 Resp: 136351
Ion Ratio Lower Upper
106 100
91 210.2 105.1 315.3



#70
Styrene
Concen: 25.768 ug/l
RT: 9.77 min Scan# 2700
Delta R.T. 0.00 min
Lab File: VU034523.D
Acq: 12 Sep 2019 16:28

Tgt Ion:104 Resp: 245615
Ion Ratio Lower Upper
104 100
78 47.0 38.6 57.8
103 54.1 44.2 66.4





#71

Bromoform

Concen: 25.157 ug/l

RT: 9.94 min Scan# 2751

Delta R.T. -0.00 min

Lab File: VU034523.D

Acq: 12 Sep 2019 16:28

Instrument :

MSVOA_U

ClientSampleId :

VU0912WBS03

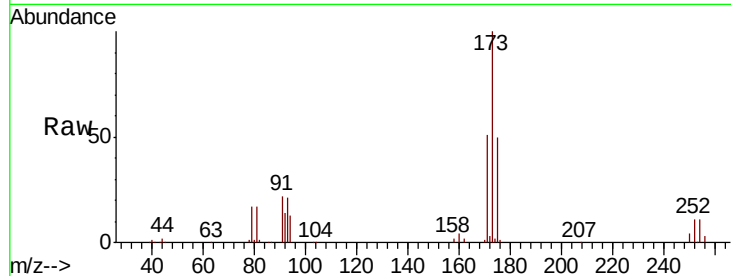
Tgt Ion:173 Resp: 75126

Ion Ratio Lower Upper

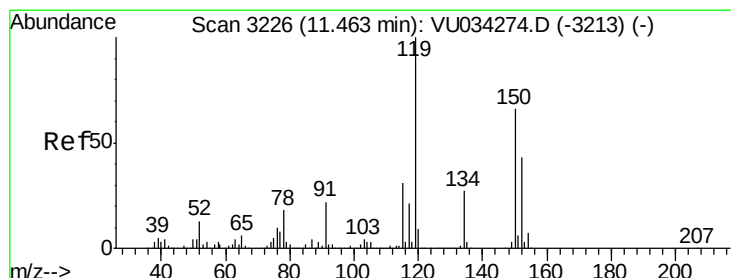
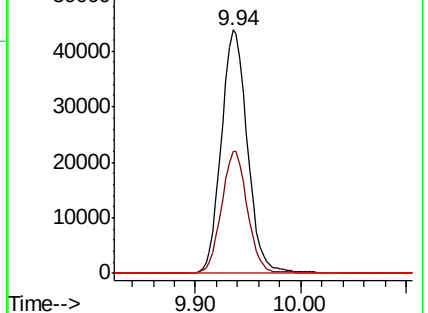
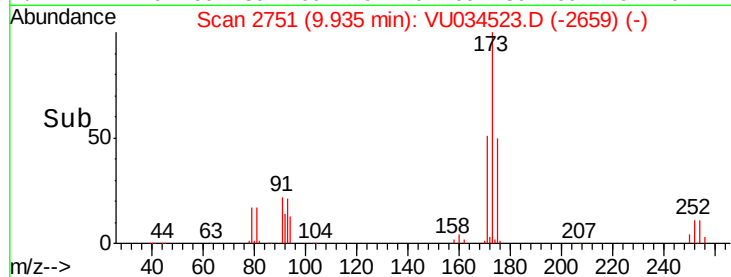
173 100

175 49.7 24.4 73.2

254 0.0 0.0 0.0



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 11.46 min Scan# 3225

Delta R.T. -0.00 min

Lab File: VU034523.D

Acq: 12 Sep 2019 16:28

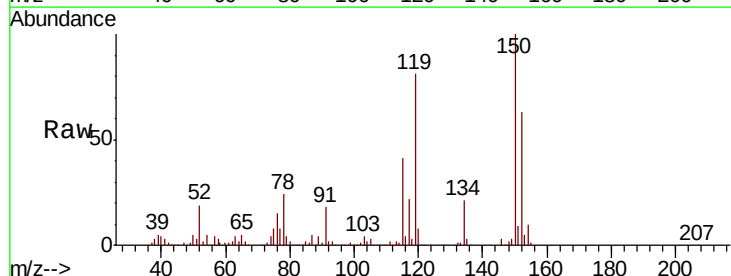
Tgt Ion:152 Resp: 238738

Ion Ratio Lower Upper

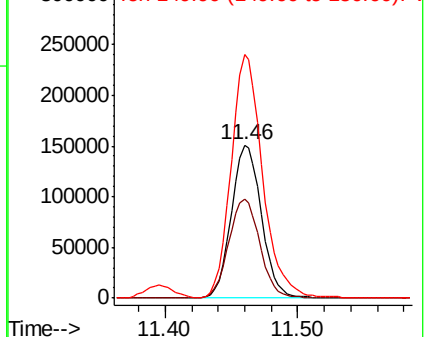
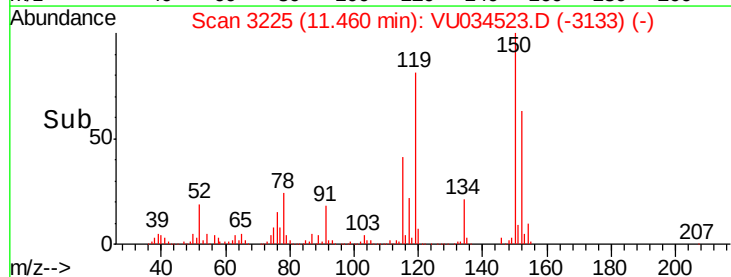
152 100

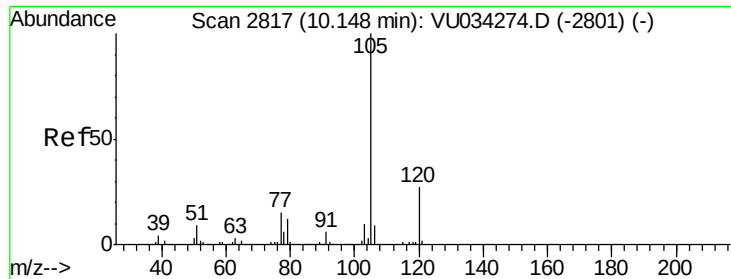
115 67.0 39.1 117.3

150 165.6 0.0 345.4



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

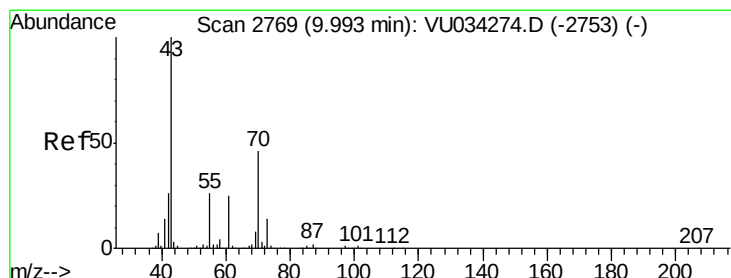
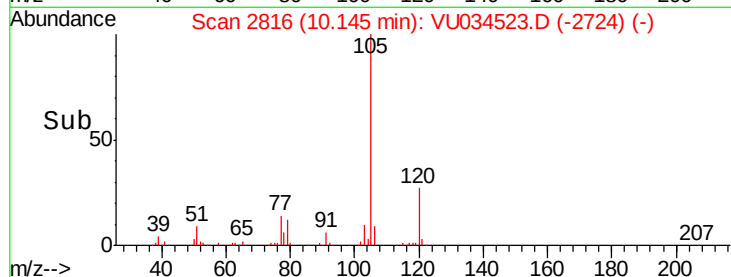
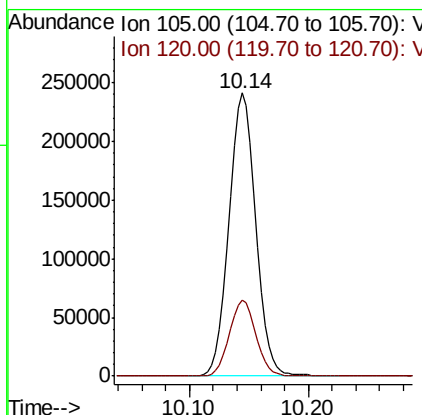
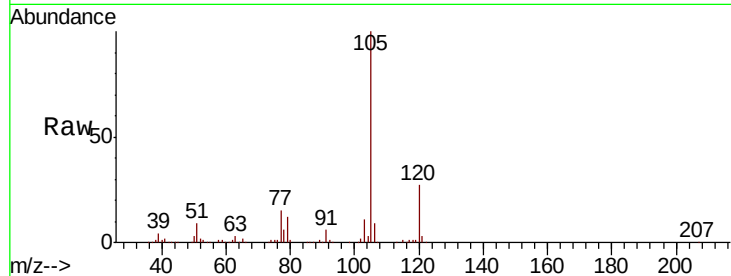




#73
Isopropylbenzene
Concen: 24.206 ug/l
RT: 10.14 min Scan# 2816
Delta R.T. -0.00 min
Lab File: VU034523.D
Acq: 12 Sep 2019 16:28

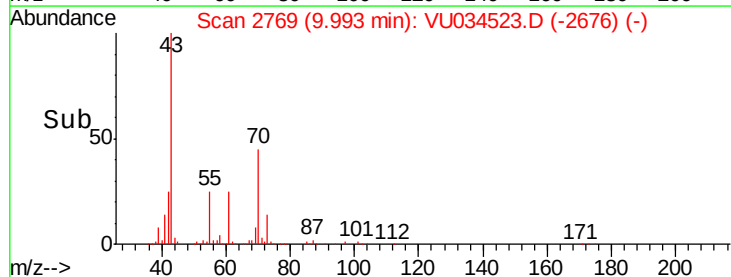
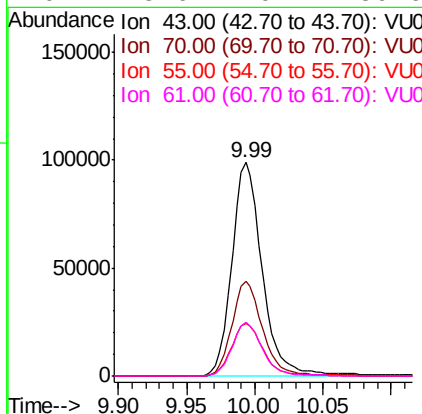
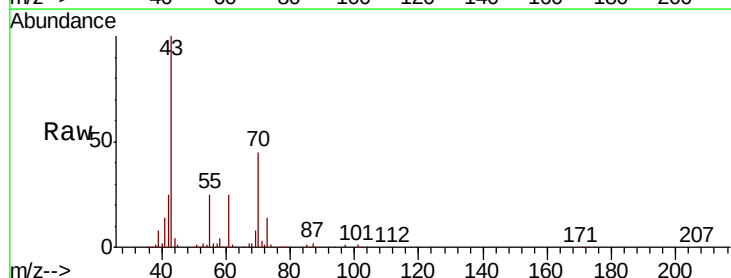
Instrument :
MSVOA_U
ClientSampleId :
VU0912WBS03

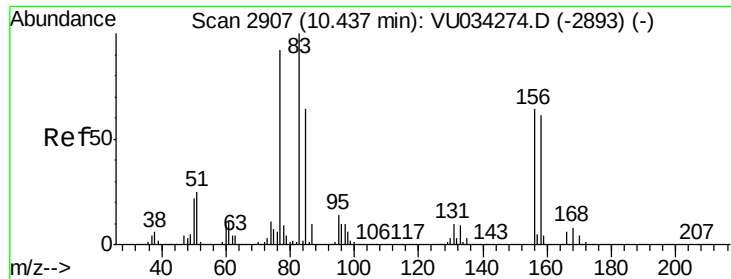
Tgt Ion: 105 Resp: 376071
Ion Ratio Lower Upper
105 100
120 26.6 13.4 40.2



#74
N-ethyl acetate
Concen: 24.145 ug/l
RT: 9.99 min Scan# 2769
Delta R.T. 0.00 min
Lab File: VU034523.D
Acq: 12 Sep 2019 16:28

Tgt Ion: 43 Resp: 150997
Ion Ratio Lower Upper
43 100
70 45.3 36.4 54.6
55 25.9 21.2 31.8
61 25.6 20.4 30.6





#75

1,1,2,2-Tetrachloroethane

Concen: 24.014 ug/l

RT: 10.43 min Scan# 2906

Delta R.T. -0.00 min

Lab File: VU034523.D

Acq: 12 Sep 2019 16:28

Instrument :

MSVOA_U

ClientSampleId :

VU0912WBS03

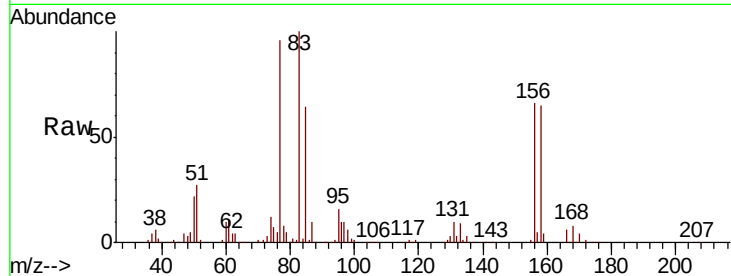
Tgt Ion: 83 Resp: 151020

Ion Ratio Lower Upper

83 100

131 10.0 5.1 15.2

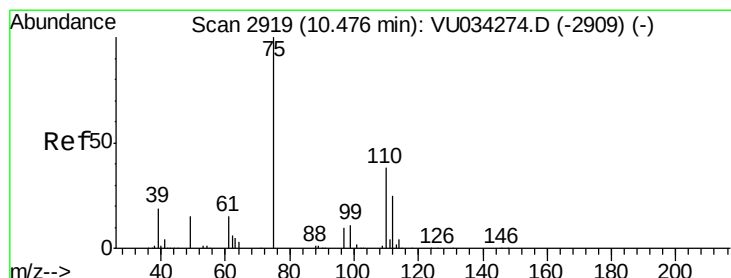
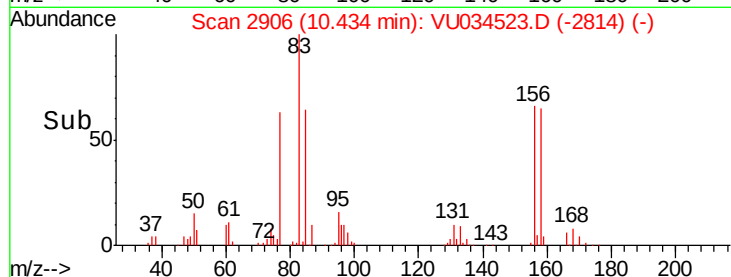
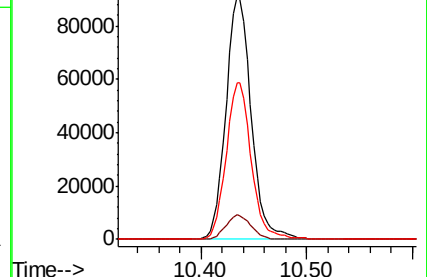
85 64.0 32.0 96.2



Abundance Ion 82.90 (82.60 to 83.60): VU034523.D (-2893) (-)

Ion 130.80 (130.50 to 131.50): VU034523.D (-2893) (-)

Ion 84.90 (84.60 to 85.60): VU034523.D (-2893) (-)



#76

1,2,3-Trichloropropane

Concen: 31.497 ug/l

RT: 10.47 min Scan# 2918

Delta R.T. -0.00 min

Lab File: VU034523.D

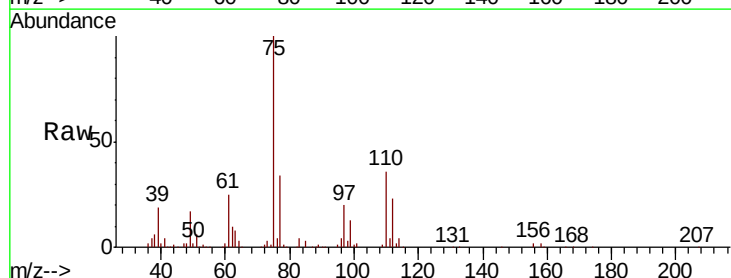
Acq: 12 Sep 2019 16:28

Tgt Ion: 75 Resp: 164138

Ion Ratio Lower Upper

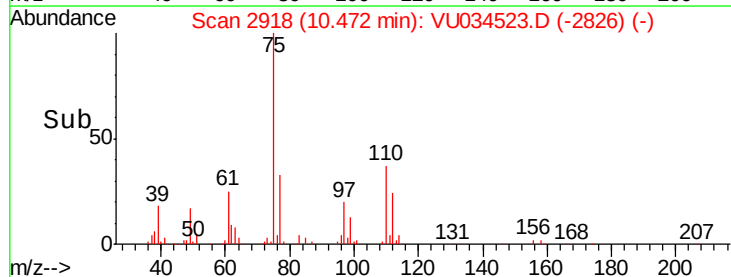
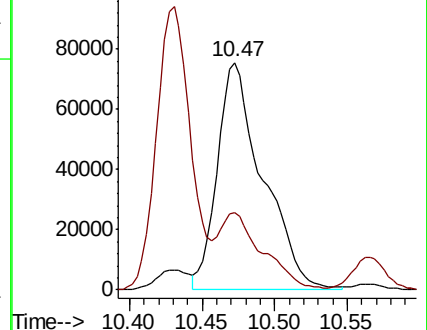
75 100

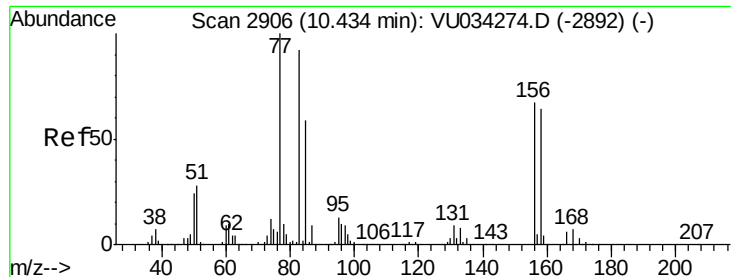
77 32.5 20.8 62.2



Abundance Ion 74.90 (74.60 to 75.60): VU034523.D (-2826) (-)

Ion 77.00 (76.70 to 77.70): VU034523.D (-2826) (-)





#77

Bromobenzene

Concen: 24.076 ug/l

RT: 10.43 min Scan# 2905

Delta R.T. -0.00 min

Lab File: VU034523.D

Acq: 12 Sep 2019 16:28

Instrument :

MSVOA_U

ClientSampleId :

VU0912WBS03

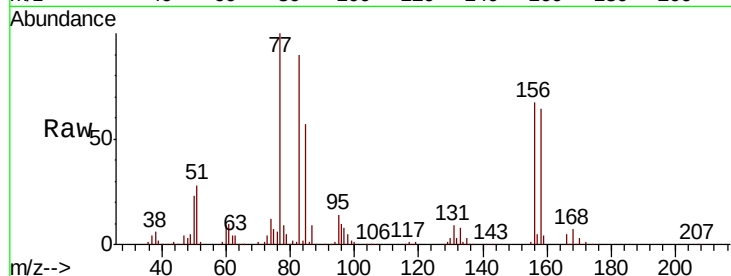
Tgt Ion:156 Resp: 104593

Ion Ratio Lower Upper

156 100

77 148.7 75.6 226.9

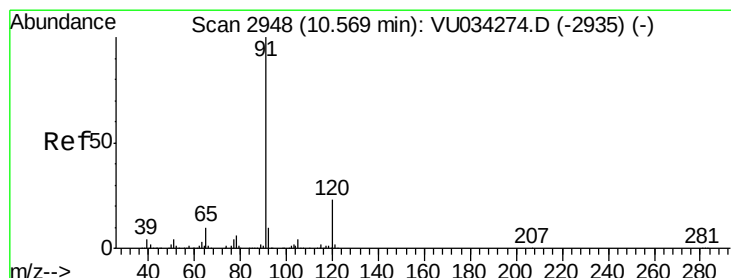
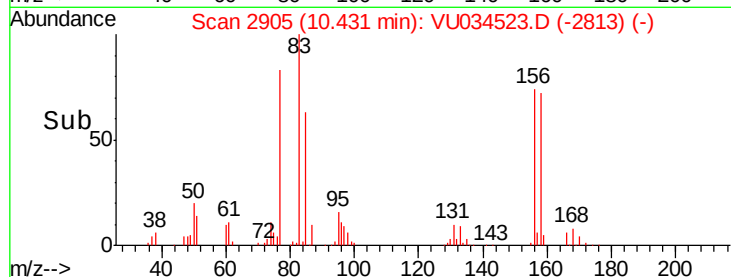
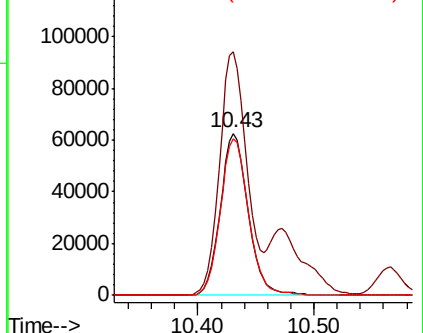
158 97.7 48.2 144.6



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VU0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 24.516 ug/l

RT: 10.57 min Scan# 2947

Delta R.T. -0.00 min

Lab File: VU034523.D

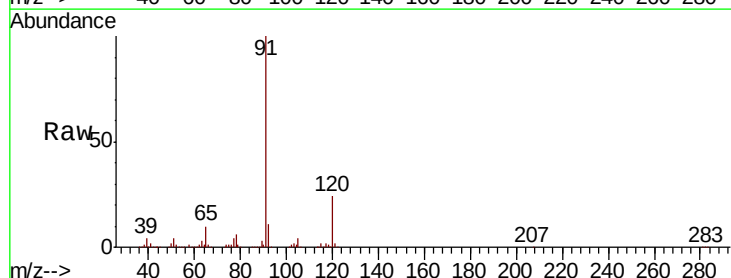
Acq: 12 Sep 2019 16:28

Tgt Ion: 91 Resp: 439892

Ion Ratio Lower Upper

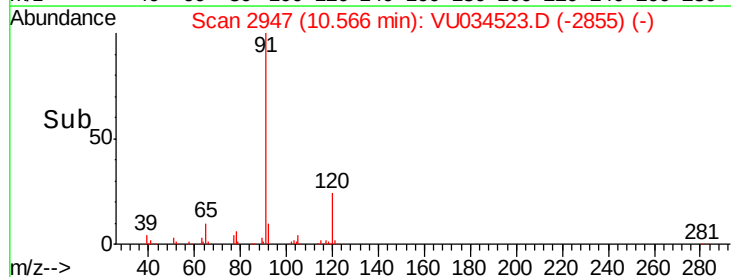
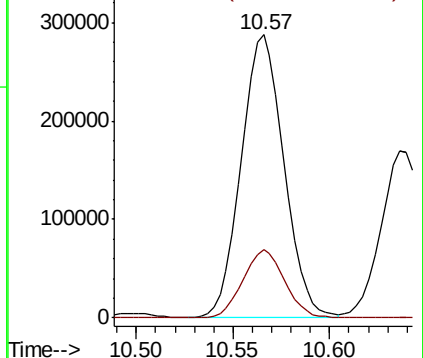
91 100

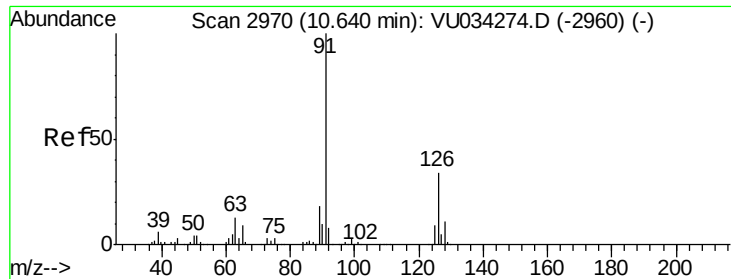
120 23.8 11.7 35.0



Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 120.00 (119.70 to 120.70): V

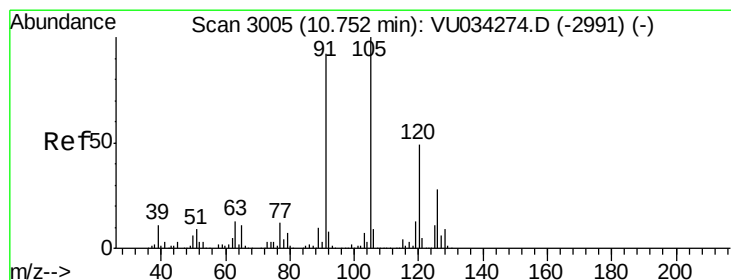
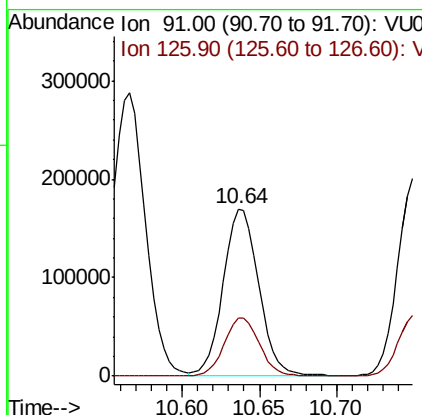
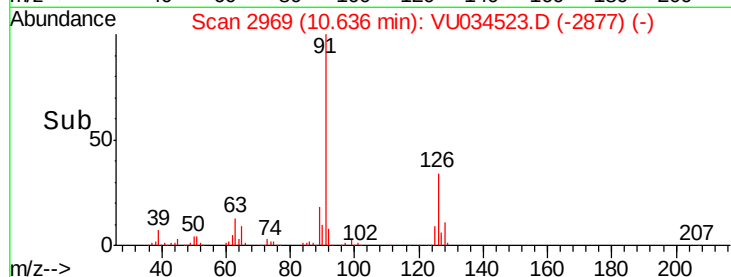
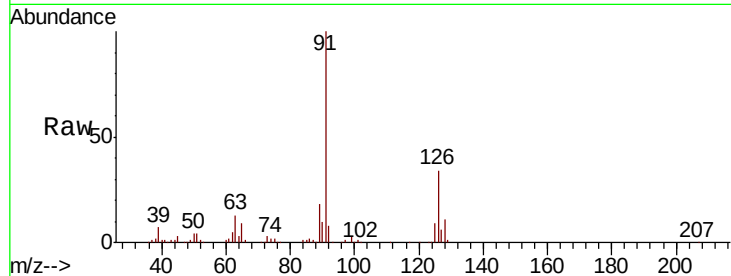




#79
 2-Chlorotoluene
 Concen: 24.519 ug/l
 RT: 10.64 min Scan# 2969
 Delta R.T. -0.00 min
 Lab File: VU034523.D
 Acq: 12 Sep 2019 16:28

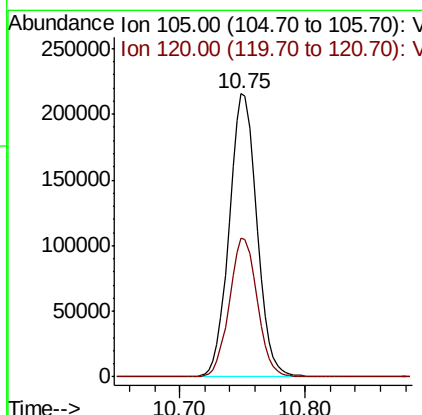
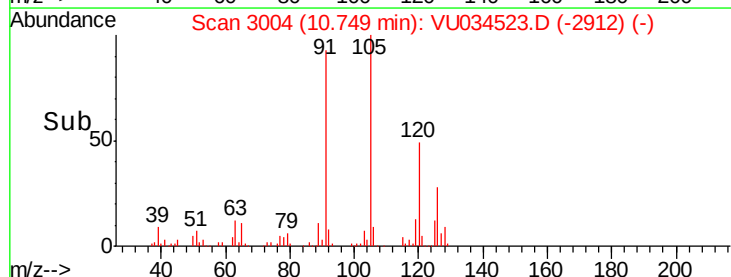
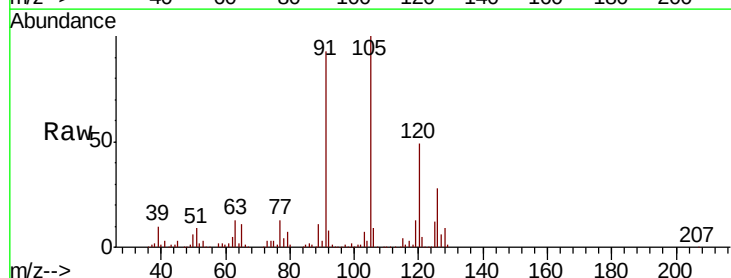
Instrument :
 MSVOA_U
 ClientSampleId :
 VU0912WBS03

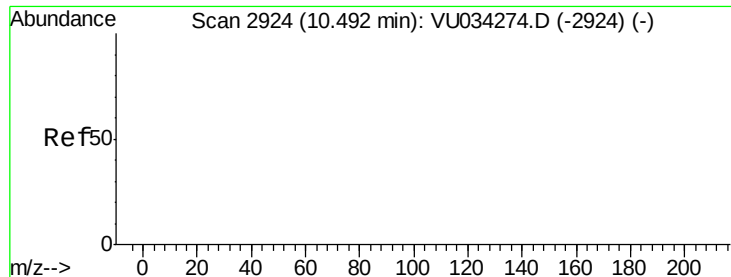
Tgt Ion: 91 Resp: 268439
 Ion Ratio Lower Upper
 91 100
 126 34.9 17.3 51.9



#80
 1,3,5-Trimethylbenzene
 Concen: 25.412 ug/l
 RT: 10.75 min Scan# 3004
 Delta R.T. -0.00 min
 Lab File: VU034523.D
 Acq: 12 Sep 2019 16:28

Tgt Ion: 105 Resp: 330196
 Ion Ratio Lower Upper
 105 100
 120 49.6 24.9 74.7

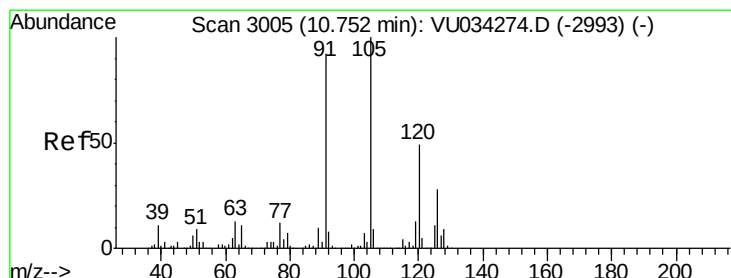
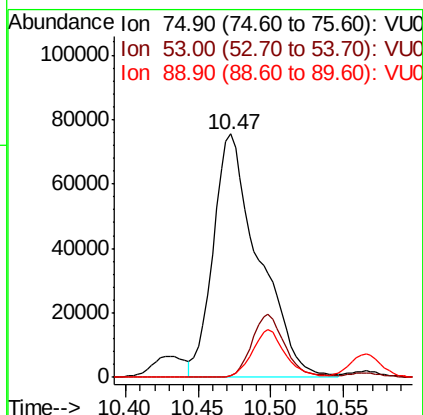
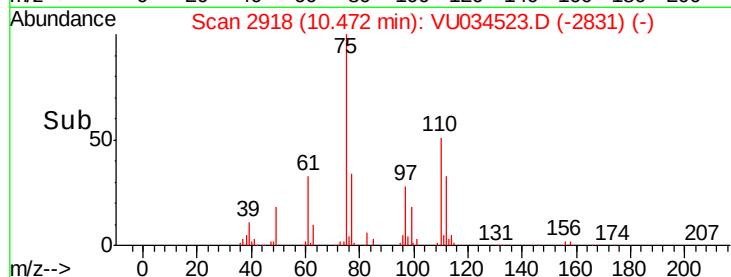
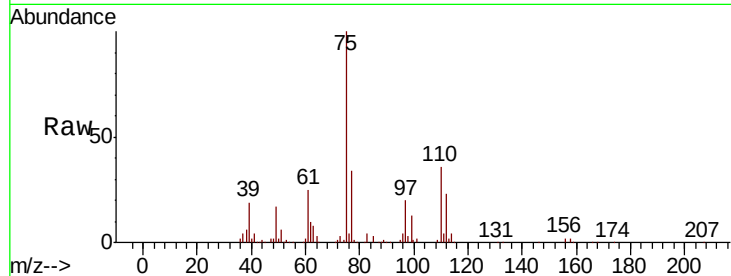




#81
trans-1,4-Dichloro-2-butene
Concen: 105.922 ug/l
RT: 10.47 min Scan# 2918
Delta R.T. -0.02 min
Lab File: VU034523.D
Acq: 12 Sep 2019 16:28

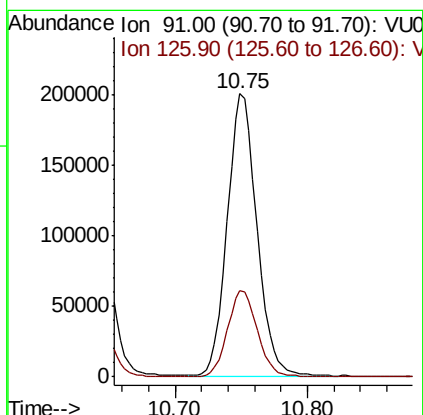
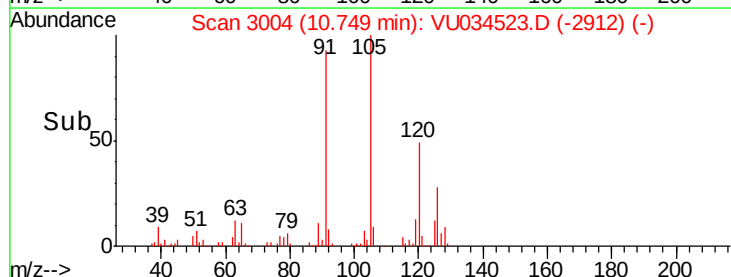
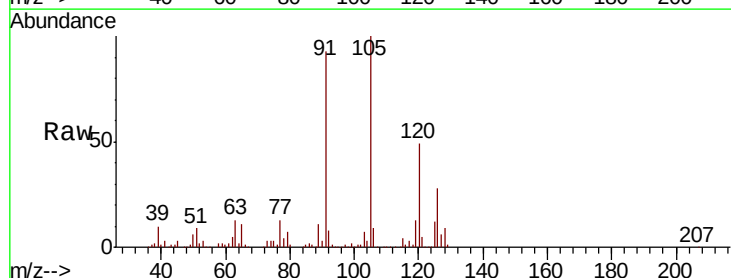
Instrument :
MSVOA_U
ClientSampleId :
VU0912WBS03

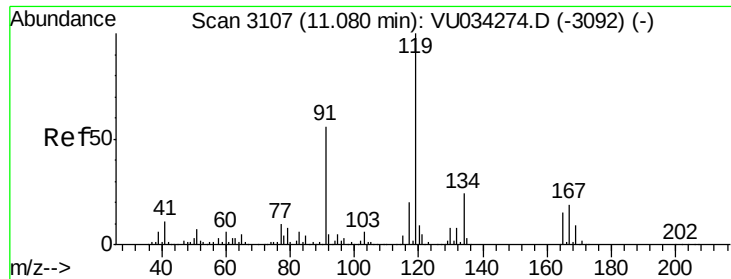
Tgt Ion: 75 Resp: 164138
Ion Ratio Lower Upper
75 100
53 0.0 0.0 0.0
89 0.0 0.0 0.0



#82
4-Chlorotoluene
Concen: 24.592 ug/l
RT: 10.75 min Scan# 3004
Delta R.T. -0.00 min
Lab File: VU034523.D
Acq: 12 Sep 2019 16:28

Tgt Ion: 91 Resp: 309831
Ion Ratio Lower Upper
91 100
126 31.0 15.3 45.8

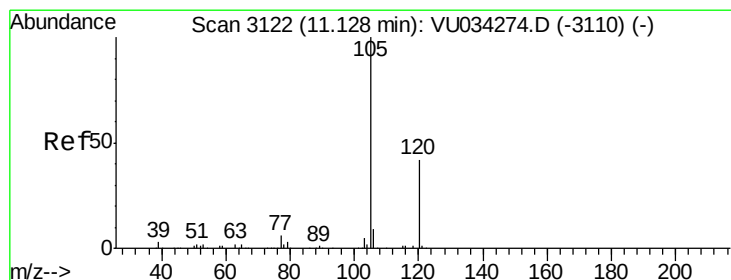
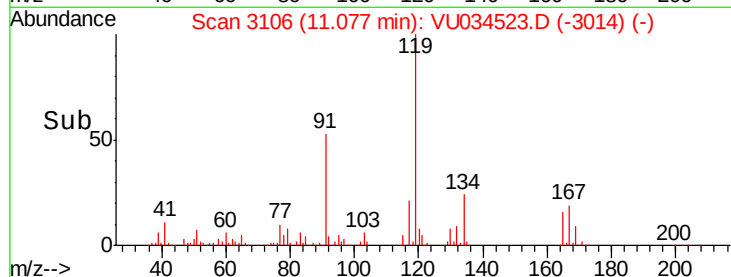
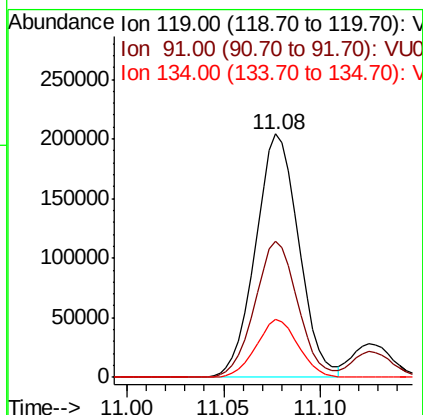
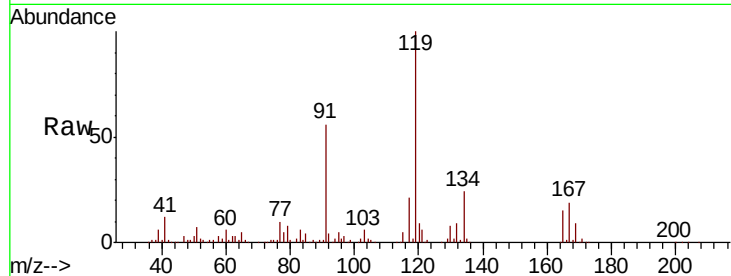




#83
 tert-Butylbenzene
 Concen: 24.455 ug/l
 RT: 11.08 min Scan# 3106
 Delta R.T. -0.00 min
 Lab File: VU034523.D
 Acq: 12 Sep 2019 16:28

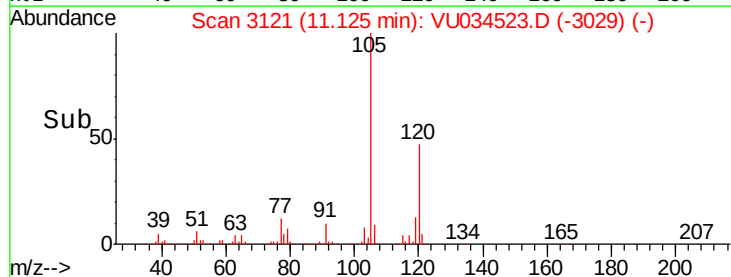
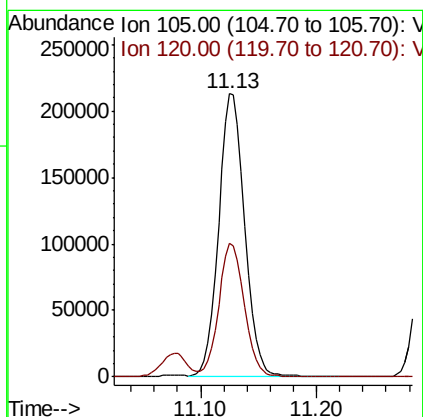
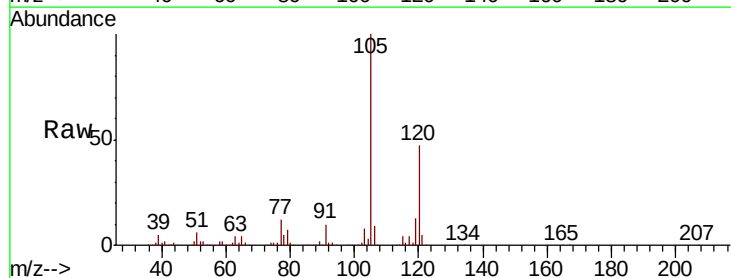
Instrument :
 MSVOA_U
 ClientSampleId :
 VU0912WBS03

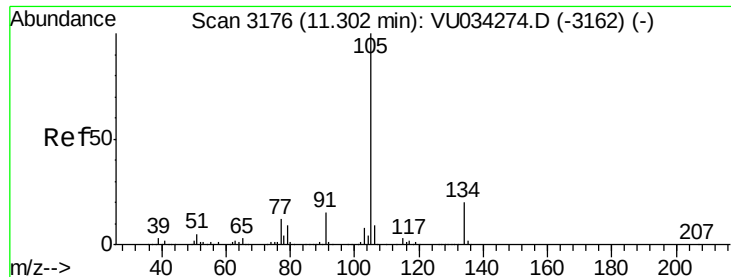
Tgt Ion:119 Resp: 317879
 Ion Ratio Lower Upper
 119 100
 91 55.0 27.8 83.4
 134 23.3 11.7 35.0



#84
 1,2,4-Trimethylbenzene
 Concen: 25.172 ug/l
 RT: 11.13 min Scan# 3121
 Delta R.T. -0.00 min
 Lab File: VU034523.D
 Acq: 12 Sep 2019 16:28

Tgt Ion:105 Resp: 329244
 Ion Ratio Lower Upper
 105 100
 120 46.7 22.9 68.8





#85

sec-Butylbenzene

Concen: 25.003 ug/l

RT: 11.30 min Scan# 3176

Delta R.T. 0.00 min

Lab File: VU034523.D

Acq: 12 Sep 2019 16:28

Instrument :

MSVOA_U

ClientSampleId :

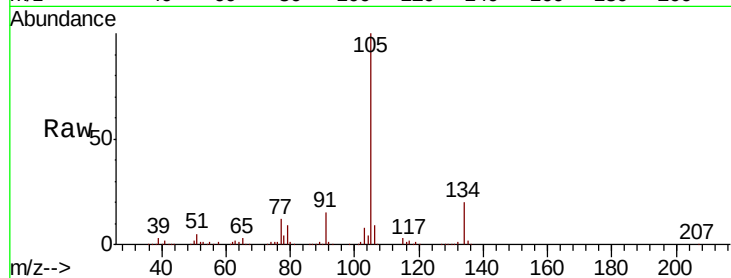
VU0912WBS03

Tgt Ion:105 Resp: 383700

Ion Ratio Lower Upper

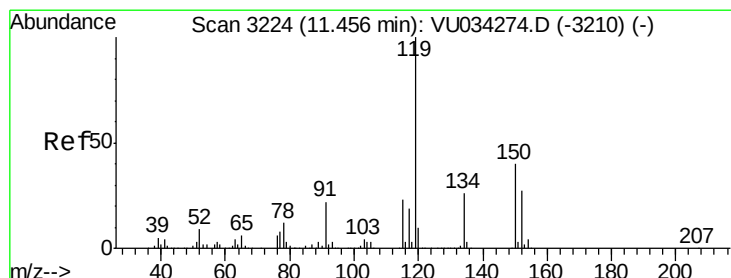
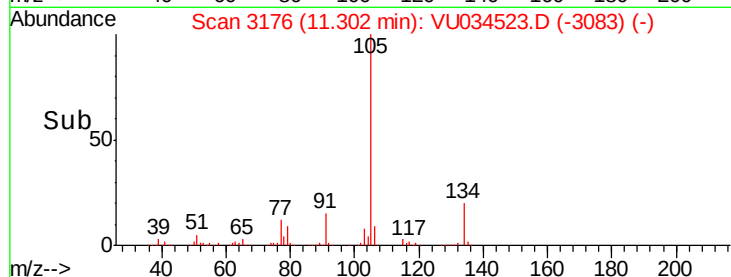
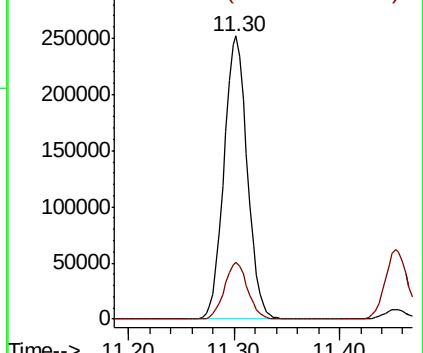
105 100

134 20.0 10.1 30.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 25.052 ug/l

RT: 11.45 min Scan# 3223

Delta R.T. -0.00 min

Lab File: VU034523.D

Acq: 12 Sep 2019 16:28

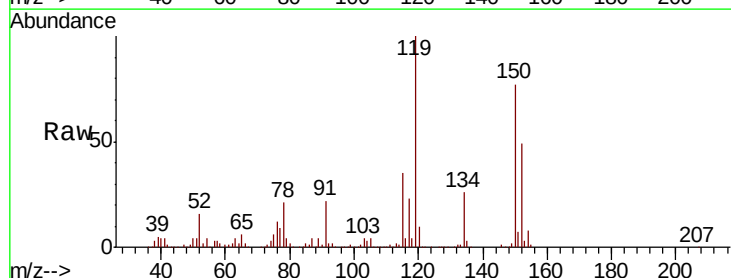
Tgt Ion:119 Resp: 354845

Ion Ratio Lower Upper

119 100

134 26.3 13.3 39.8

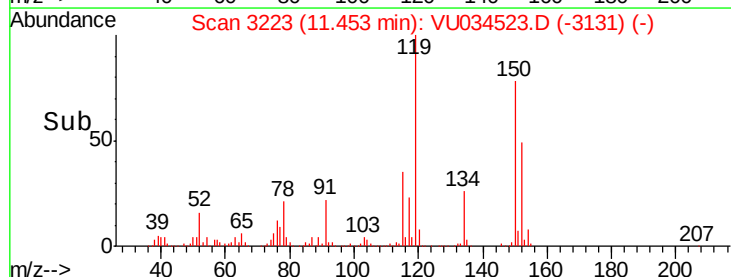
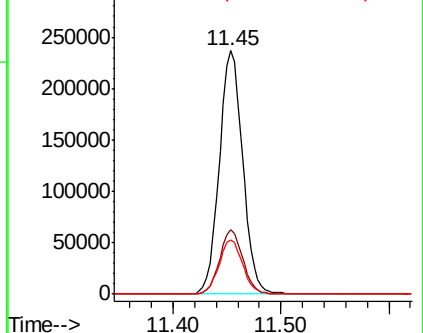
91 22.6 11.2 33.6

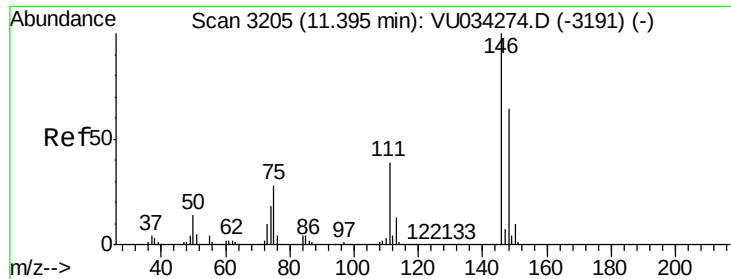


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VU0

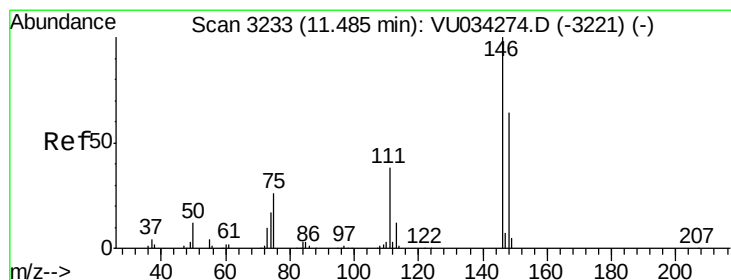
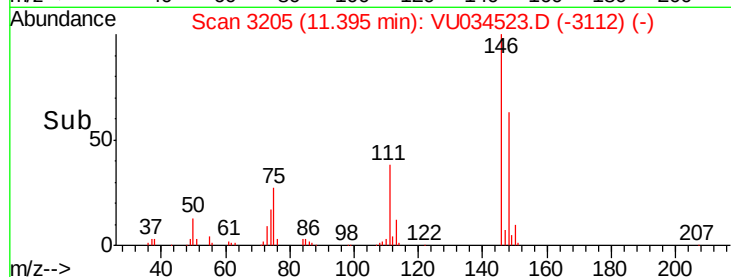
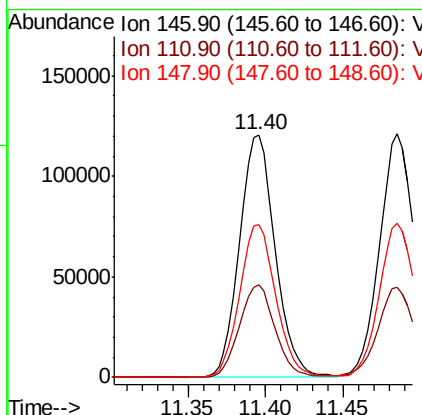
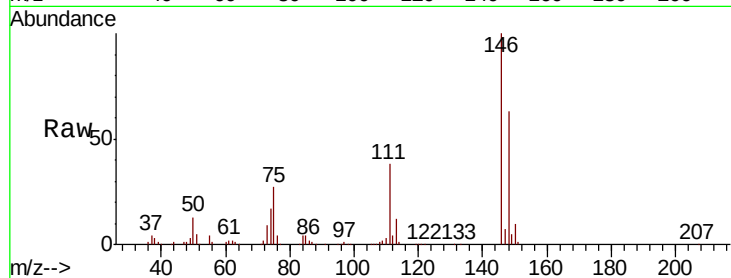




#87
 1,3-Dichlorobenzene
 Concen: 24.509 ug/l
 RT: 11.40 min Scan# 3205
 Delta R.T. 0.00 min
 Lab File: VU034523.D
 Acq: 12 Sep 2019 16:28

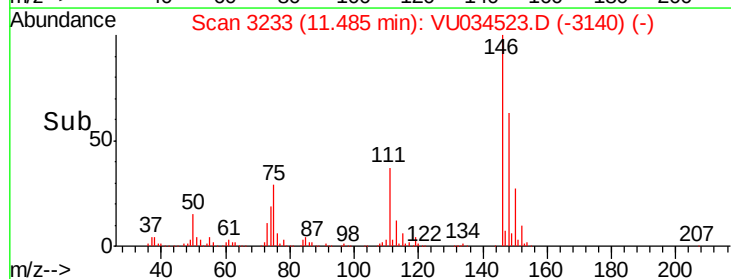
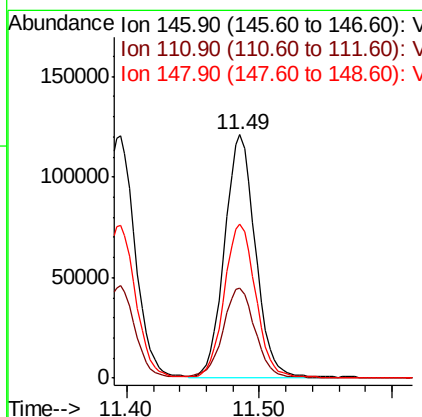
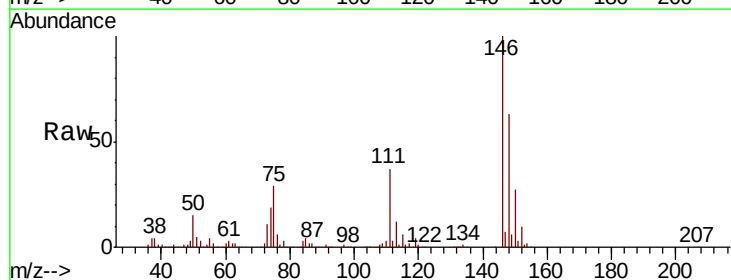
Instrument :
 MSVOA_U
 ClientSampleId :
 VU0912WBS03

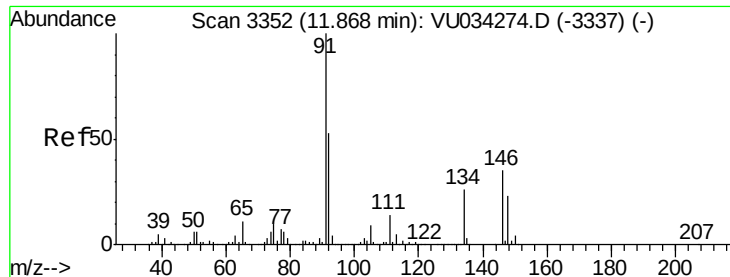
Tgt Ion:146 Resp: 194286
 Ion Ratio Lower Upper
 146 100
 111 37.9 19.5 58.5
 148 63.7 32.1 96.3



#88
 1,4-Dichlorobenzene
 Concen: 23.439 ug/l
 RT: 11.49 min Scan# 3233
 Delta R.T. 0.00 min
 Lab File: VU034523.D
 Acq: 12 Sep 2019 16:28

Tgt Ion:146 Resp: 193800
 Ion Ratio Lower Upper
 146 100
 111 39.0 19.1 57.3
 148 64.6 32.0 96.0





#89

n-Butylbenzene

Concen: 24.750 ug/l

RT: 11.87 min Scan# 3352

Delta R.T. 0.00 min

Lab File: VU034523.D

Acq: 12 Sep 2019 16:28

Instrument :

MSVOA_U

ClientSampleId :

VU0912WBS03

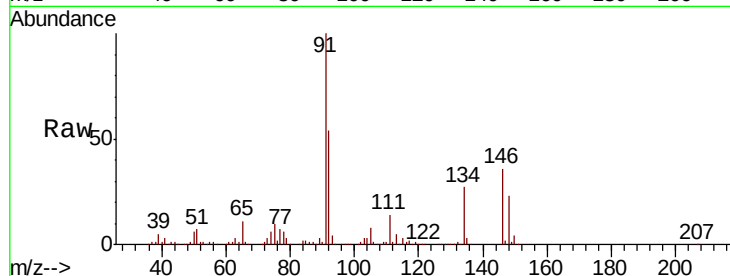
Tgt Ion: 91 Resp: 304644

Ion Ratio Lower Upper

91 100

92 52.8 26.5 79.4

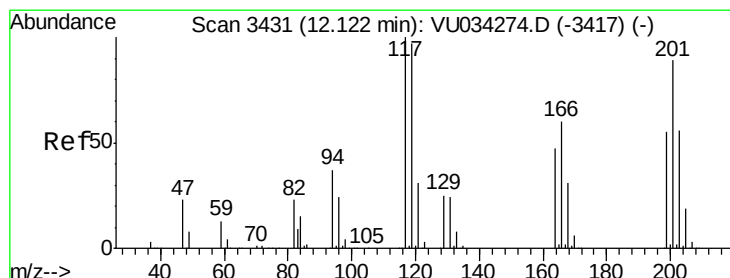
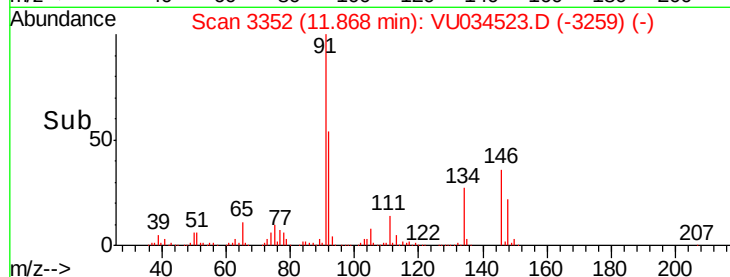
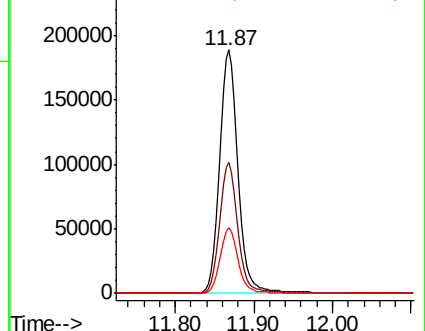
134 26.3 13.2 39.6



Abundance Ion 91.00 (90.70 to 91.70): VU034523.D (-3337) (-)

Ion 92.00 (91.70 to 92.70): VU034523.D (-3337) (-)

Ion 134.00 (133.70 to 134.70): VU034523.D (-3337) (-)



#90

Hexachloroethane

Concen: 23.516 ug/l

RT: 12.12 min Scan# 3431

Delta R.T. 0.00 min

Lab File: VU034523.D

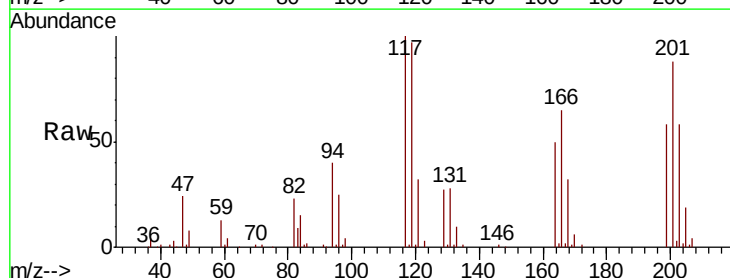
Acq: 12 Sep 2019 16:28

Tgt Ion: 117 Resp: 53290

Ion Ratio Lower Upper

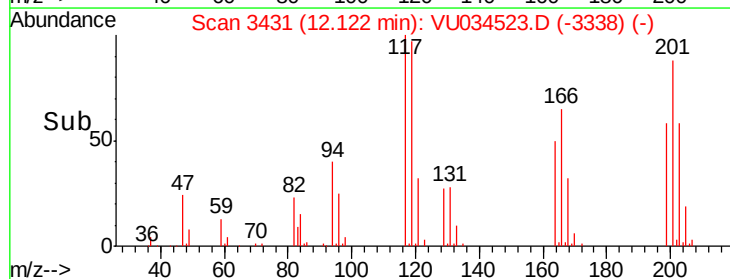
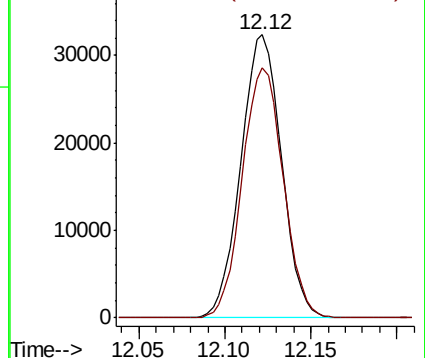
117 100

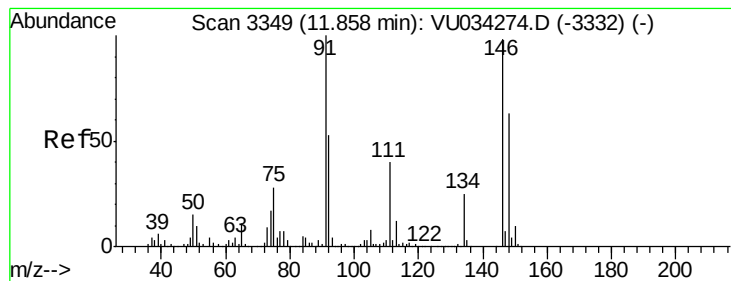
201 88.9 44.1 132.4



Abundance Ion 116.80 (116.50 to 117.50): VU034523.D (-3338) (-)

Ion 200.70 (200.40 to 201.40): VU034523.D (-3338) (-)





#91

1,2-Dichlorobenzene

Concen: 24.479 ug/l

RT: 11.86 min Scan# 3348

Delta R.T. -0.00 min

Lab File: VU034523.D

Acq: 12 Sep 2019 16:28

Instrument :

MSVOA_U

ClientSampleId :

VU0912WBS03

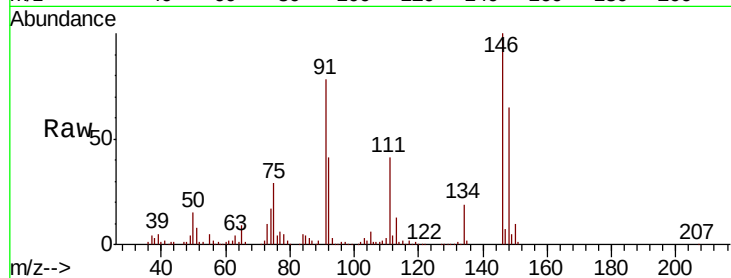
Tgt Ion:146 Resp: 190712

Ion Ratio Lower Upper

146 100

111 40.8 20.0 60.0

148 63.9 31.6 94.8

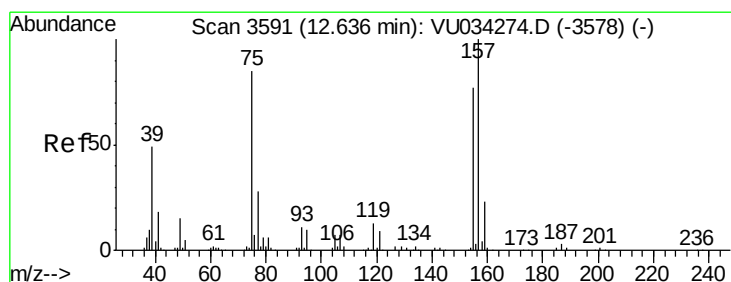
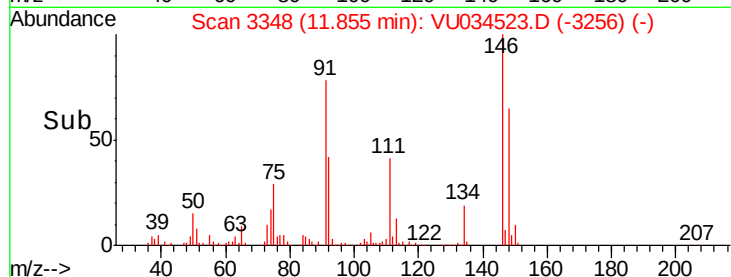
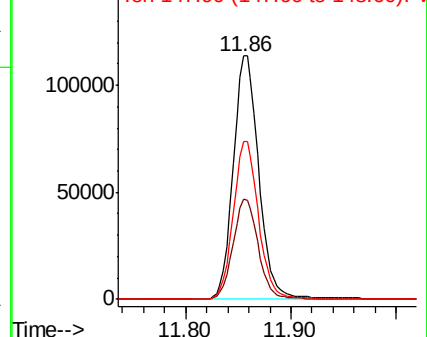


Abundance

Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 24.734 ug/l

RT: 12.64 min Scan# 3591

Delta R.T. 0.00 min

Lab File: VU034523.D

Acq: 12 Sep 2019 16:28

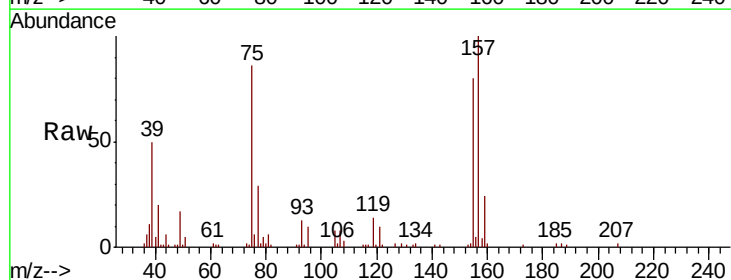
Tgt Ion: 75 Resp: 28583

Ion Ratio Lower Upper

75 100

155 91.6 44.6 134.0

157 115.3 58.2 174.6

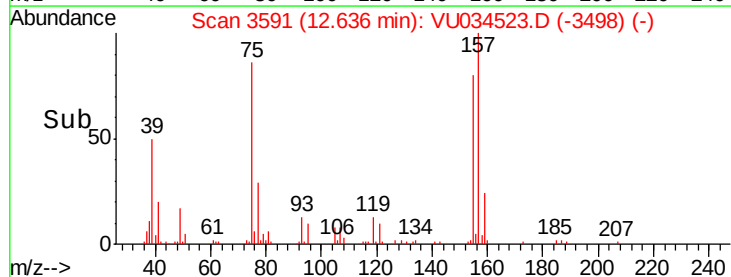
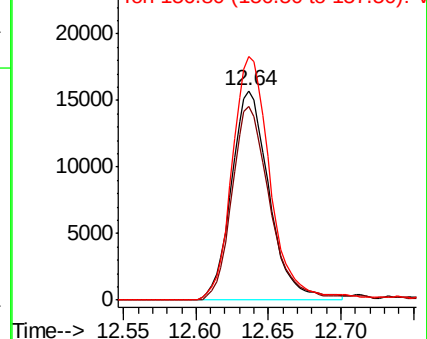


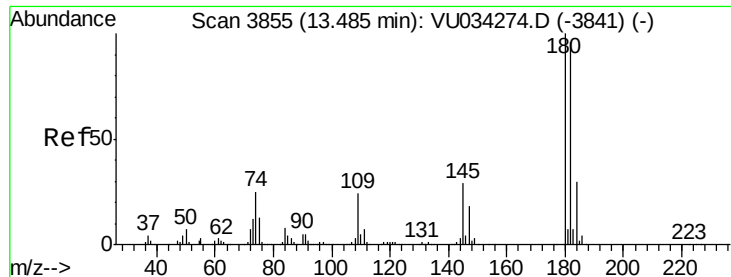
Abundance

Ion 74.90 (74.60 to 75.60): VU0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

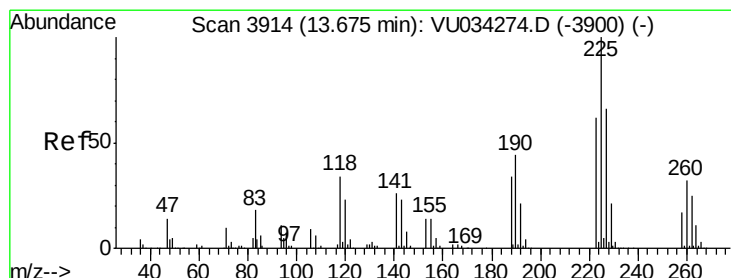
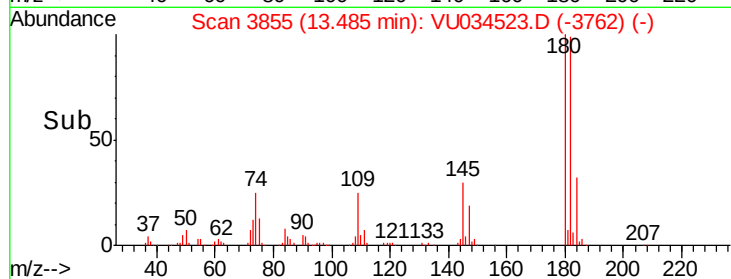
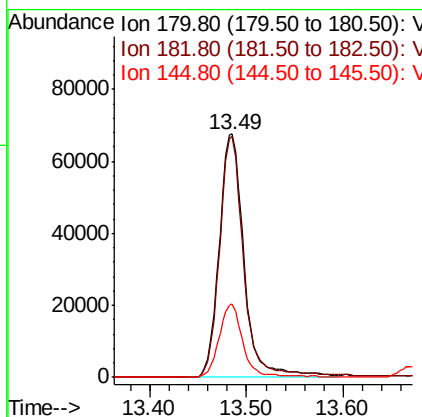
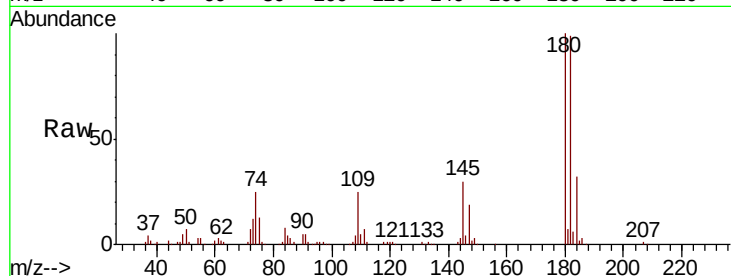




#93
 1,2,4-Trichlorobenzene
 Concen: 23.401 ug/l
 RT: 13.49 min Scan# 3855
 Delta R.T. 0.00 min
 Lab File: VU034523.D
 Acq: 12 Sep 2019 16:28

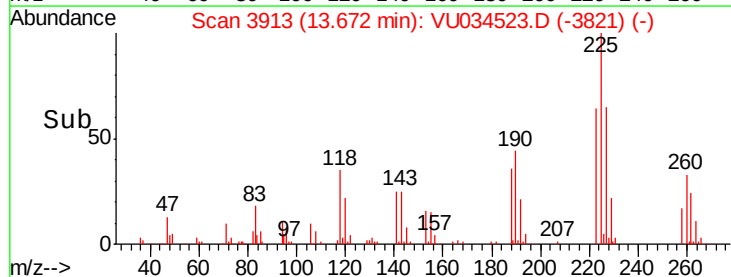
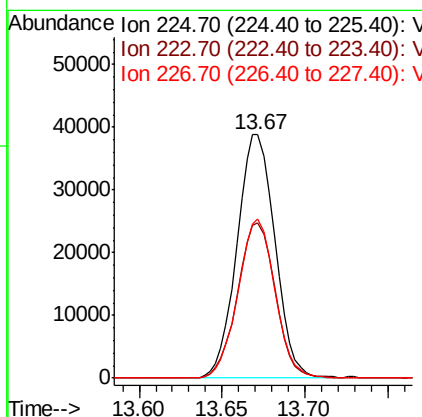
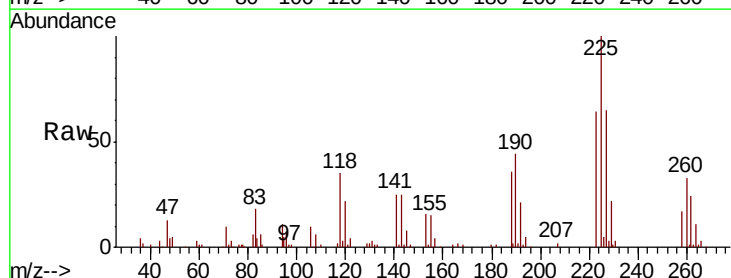
Instrument :
 MSVOA_U
 ClientSampleId :
 VU0912WBS03

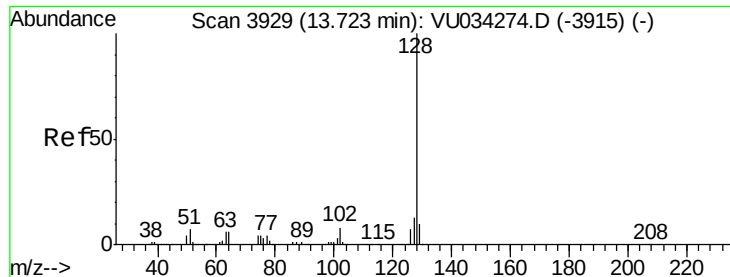
Tgt Ion:180 Resp: 121077
 Ion Ratio Lower Upper
 180 100
 182 94.6 47.9 143.8
 145 28.7 14.4 43.0



#94
 Hexachlorobutadiene
 Concen: 22.743 ug/l
 RT: 13.67 min Scan# 3913
 Delta R.T. -0.00 min
 Lab File: VU034523.D
 Acq: 12 Sep 2019 16:28

Tgt Ion:225 Resp: 61978
 Ion Ratio Lower Upper
 225 100
 223 63.6 31.6 94.7
 227 63.6 32.3 96.8

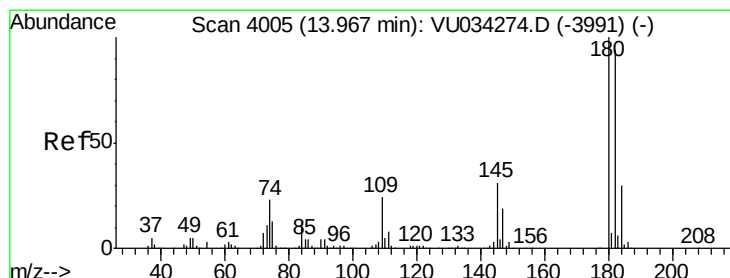
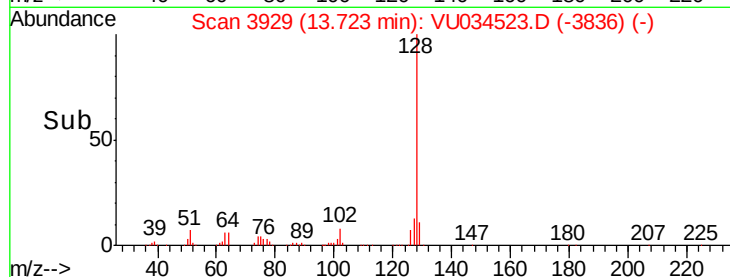
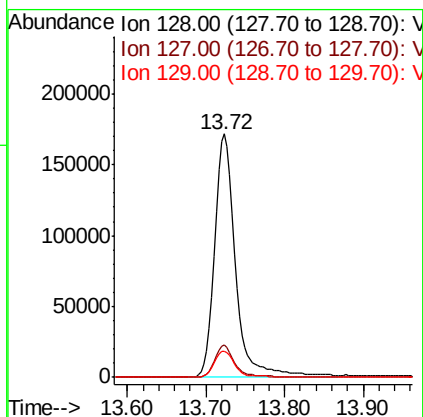
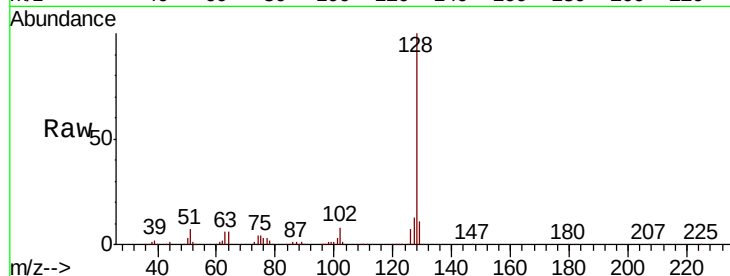




#95
Naphthalene
Concen: 22.307 ug/l
RT: 13.72 min Scan# 3929
Delta R.T. 0.00 min
Lab File: VU034523.D
Acq: 12 Sep 2019 16:28

Instrument :
MSVOA_U
ClientSampleId :
VU0912WBS03

Tgt Ion:128 Resp: 316982
Ion Ratio Lower Upper
128 100
127 12.6 10.6 15.8
129 10.4 8.4 12.6



#96
1,2,3-Trichlorobenzene
Concen: 24.355 ug/l
RT: 13.97 min Scan# 4005
Delta R.T. 0.00 min
Lab File: VU034523.D
Acq: 12 Sep 2019 16:28

Tgt Ion:180 Resp: 125122
Ion Ratio Lower Upper
180 100
182 95.5 48.4 145.0
145 29.3 15.4 46.4

