

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU091219\
 Data File : VU034513.D
 Acq On : 12 Sep 2019 12:19
 Operator : JC/SP
 Sample : VN0912WBS02
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0912WBS02

Quant Time: Sep 13 07:06:35 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	245156	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.86	114	349208	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.07	117	347896	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.46	152	233816	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.29	65	196244	52.91	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.82%	
35) Dibromofluoromethane	4.86	113	174567	53.72	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.44%	
50) Toluene-d8	7.54	98	651818	53.39	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.78%	
62) 4-Bromofluorobenzene	10.29	95	240902	51.11	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.22%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.20	85	50075	19.530	ug/l	99
3) Chloromethane	1.32	50	59623	21.475	ug/l	99
4) Vinyl Chloride	1.40	62	61837	19.354	ug/l	99
5) Bromomethane	1.62	94	38838	21.528	ug/l	97
6) Chloroethane	1.69	64	41056	21.538	ug/l	94
7) Trichlorofluoromethane	1.88	101	90254	21.068	ug/l	100
8) Diethyl Ether	2.09	74	40045	21.251	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	2.28	101	59823	21.084	ug/l	98
10) Methyl Iodide	2.40	142	39589	17.924	ug/l	98
11) Tert butyl alcohol	2.81	59	91454	116.705	ug/l	97
12) 1,1-Dichloroethene	2.27	96	56314	21.113	ug/l	97
13) Acrolein	2.18	56	37276	56.596	ug/l	100
14) Allyl chloride	2.58	41	89824	17.615	ug/l	89
15) Acrylonitrile	2.92	53	218072	111.749	ug/l	99
16) Acetone	2.31	43	190566	99.277	ug/l	97
17) Carbon Disulfide	2.47	76	107004	17.849	ug/l	100
18) Methyl Acetate	2.60	43	99365	21.274	ug/l	97
19) Methyl tert-butyl Ether	2.98	73	216045	22.222	ug/l	99
20) Methylene Chloride	2.69	84	72260	22.765	ug/l	99
21) trans-1,2-Dichloroethene	2.97	96	57590	20.489	ug/l	98
22) Diisopropyl ether	3.55	45	224655	22.591	ug/l	95
23) Vinyl Acetate	3.51	43	876680	108.226	ug/l	99
24) 1,1-Dichloroethane	3.43	63	127885	21.534	ug/l	100
25) 2-Butanone	4.24	43	278526	108.700	ug/l	99
26) 2,2-Dichloropropane	4.20	77	103621	21.694	ug/l	99
27) cis-1,2-Dichloroethene	4.21	96	74680	21.876	ug/l	97
28) Bromochloromethane	4.52	49	64381	23.569	ug/l	98
29) Tetrahydrofuran	4.62	42	170557	109.388	ug/l	99
30) Chloroform	4.65	83	132199	21.900	ug/l	100
31) Cyclohexane	4.97	56	85234	19.618	ug/l	98
32) 1,1,1-Trichloroethane	4.89	97	106594	22.086	ug/l	99
36) 1,1-Dichloropropene	5.12	75	78915	20.837	ug/l	99
37) Ethyl Acetate	4.36	43	96664	21.588	ug/l	99
38) Carbon Tetrachloride	5.11	117	90844	22.466	ug/l	99

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Quant Time: Sep 13 07:06:35 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)
39) Methylcyclohexane	6.40	83	79015	19.517	ug/l	97
40) Benzene	5.37	78	270614	22.144	ug/l	99
41) Methacrylonitrile	4.52	41	54321	22.775	ug/l	99
42) 1,2-Dichloroethane	5.39	62	95215	22.441	ug/l	100
43) Isopropyl Acetate	5.53	43	152482	21.829	ug/l	99
44) Trichloroethene	6.17	130	73494	21.733	ug/l	97
45) 1,2-Dichloropropane	6.41	63	79001	22.114	ug/l	98
46) Dibromomethane	6.54	93	50938	22.715	ug/l	100
47) Bromodichloromethane	6.74	83	105309	22.814	ug/l	99
48) Methyl methacrylate	6.60	41	70386	21.216	ug/l	98
49) 1,4-Dioxane	6.59	88	30842	425.725	ug/l	99
51) 4-Methyl-2-Pentanone	7.44	43	543581	112.424	ug/l	100
52) Toluene	7.62	92	170380	22.226	ug/l	98
53) t-1,3-Dichloropropene	7.86	75	106403	22.237	ug/l	100
54) cis-1,3-Dichloropropene	7.25	75	116558	22.194	ug/l	98
55) 1,1,2-Trichloroethane	8.04	97	81000	23.270	ug/l	99
56) Ethyl methacrylate	8.00	69	102325	21.235	ug/l	100
57) 1,3-Dichloropropane	8.22	76	126295	22.282	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.11	63	164382	102.384	ug/l	100
59) 2-Hexanone	8.34	43	403081	111.592	ug/l	97
60) Dibromochloromethane	8.45	129	86335	23.124	ug/l	99
61) 1,2-Dibromoethane	8.57	107	77505	22.749	ug/l	98
64) Tetrachloroethene	8.21	164	66279	21.960	ug/l	96
65) Chlorobenzene	9.10	112	194250	22.008	ug/l	99
66) 1,1,1,2-Tetrachloroethane	9.19	131	76614	22.745	ug/l	100
67) Ethyl Benzene	9.23	91	312879	21.680	ug/l	98
68) m/p-Xylenes	9.35	106	246155	45.296	ug/l	99
69) o-Xylene	9.76	106	117482	22.106	ug/l	99
70) Styrene	9.77	104	214597	23.031	ug/l	99
71) Bromoform	9.94	173	67033	22.962	ug/l #	99
73) Isopropylbenzene	10.14	105	329006	21.622	ug/l	99
74) N-amyl acetate	9.99	43	126615	20.672	ug/l	99
75) 1,1,2,2-Tetrachloroethane	10.43	83	135771	22.044	ug/l	100
76) 1,2,3-Trichloropropane	10.47	75	143279	28.073	ug/l	86
77) Bromobenzene	10.43	156	91389	21.480	ug/l	99
78) n-propylbenzene	10.57	91	380639	21.660	ug/l	100
79) 2-Chlorotoluene	10.64	91	235743	21.986	ug/l	99
80) 1,3,5-Trimethylbenzene	10.75	105	286810	22.538	ug/l	100
81) trans-1,4-Dichloro-2-buten	10.47	75	143279	94.408	ug/l #	100
82) 4-Chlorotoluene	10.75	91	273566	22.170	ug/l	100
83) tert-Butylbenzene	11.08	119	276639	21.730	ug/l	99
84) 1,2,4-Trimethylbenzene	11.12	105	284234	22.188	ug/l	100
85) sec-Butylbenzene	11.30	105	328733	21.872	ug/l	100
86) p-Isopropyltoluene	11.45	119	301916	21.764	ug/l	99
87) 1,3-Dichlorobenzene	11.40	146	168269	21.674	ug/l	99
88) 1,4-Dichlorobenzene	11.49	146	174320	21.527	ug/l	99
89) n-Butylbenzene	11.87	91	253703	21.045	ug/l	100
90) Hexachloroethane	12.12	117	46325	20.873	ug/l	98
91) 1,2-Dichlorobenzene	11.86	146	169690	22.239	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.64	75	24796	21.909	ug/l	97

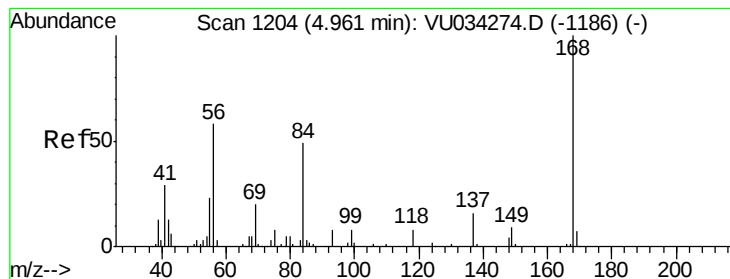
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_U\DATA\VU091219\
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Instrument :
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Quant Time: Sep 13 07:06:35 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_U\METHOD\82U090619W.M
Quant Title : SW846 8260
QLast Update : 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	13.48	180	98289	19.987	ug/l	100
94) Hexachlorobutadiene	13.67	225	53900	20.195	ug/l	96
95) Naphthalene	13.72	128	249671	18.717	ug/l	99
96) 1,2,3-Trichlorobenzene	13.97	180	100777	20.498	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.96 min Scan# 1204

Delta R.T. -0.00 min

Lab File: VU034513.D

Acq: 12 Sep 2019 12:19

Instrument :

MSVOA_U

ClientSampleId :

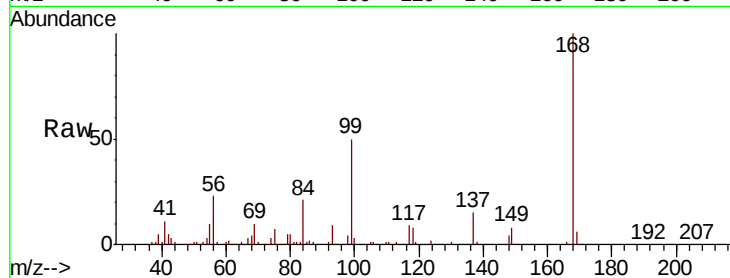
VU0912WBS02

Tgt Ion:168 Resp: 245156

Ion Ratio Lower Upper

168 100

99 49.9 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

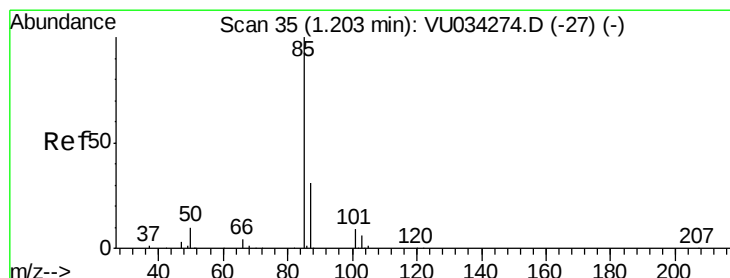
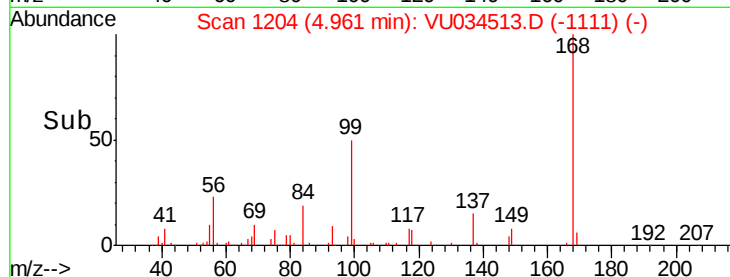
0

4.90

5.00

5.10

Time-->



#2

Dichlorodifluoromethane

Concen: 19.530 ug/l

RT: 1.20 min Scan# 35

Delta R.T. -0.00 min

Lab File: VU034513.D

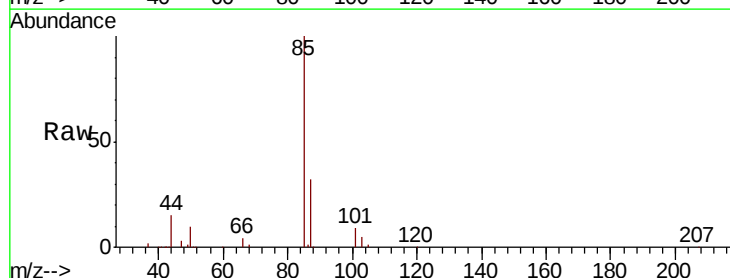
Acq: 12 Sep 2019 12:19

Tgt Ion: 85 Resp: 50075

Ion Ratio Lower Upper

85 100

87 31.9 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

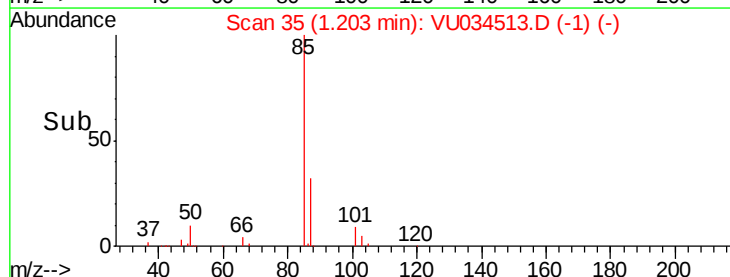
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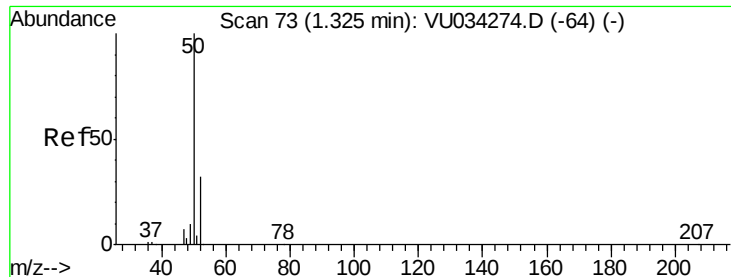
1.15

1.20

1.25

Time-->





#3

Chloromethane

Concen: 21.475 ug/l

RT: 1.32 min Scan# 73

Delta R.T. 0.00 min

Lab File: VU034513.D

Acq: 12 Sep 2019 12:19

Instrument :

MSVOA_U

ClientSampleId :

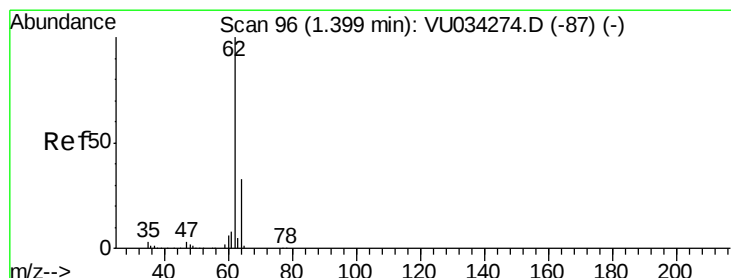
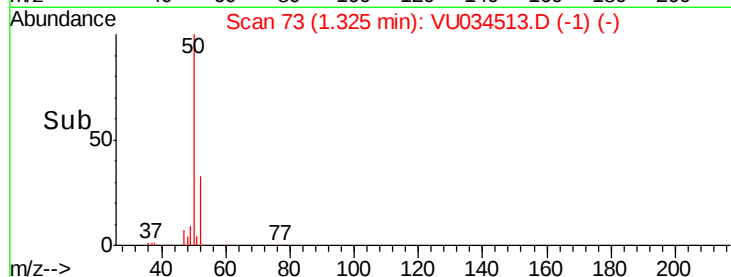
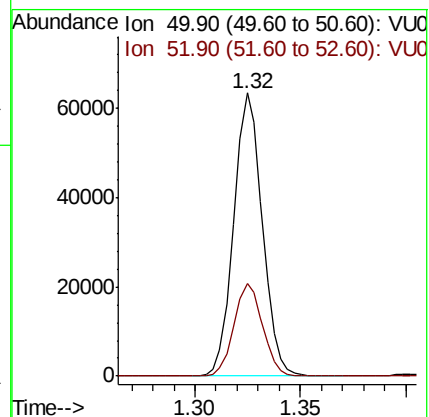
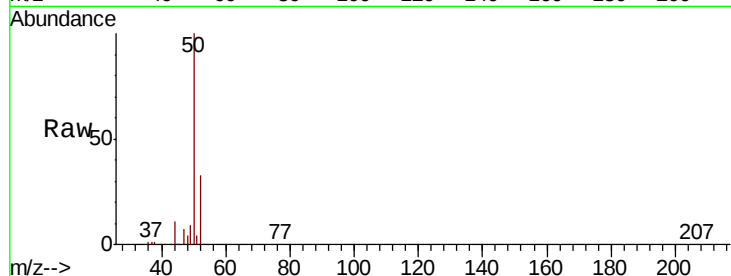
VU0912WBS02

Tgt Ion: 50 Resp: 59623

Ion Ratio Lower Upper

50 100

52 32.7 25.8 38.6



#4

Vinyl Chloride

Concen: 19.354 ug/l

RT: 1.40 min Scan# 96

Delta R.T. -0.00 min

Lab File: VU034513.D

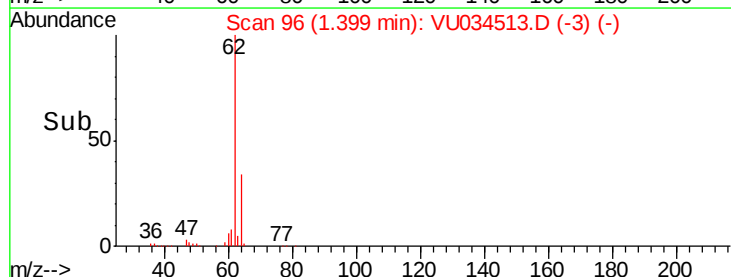
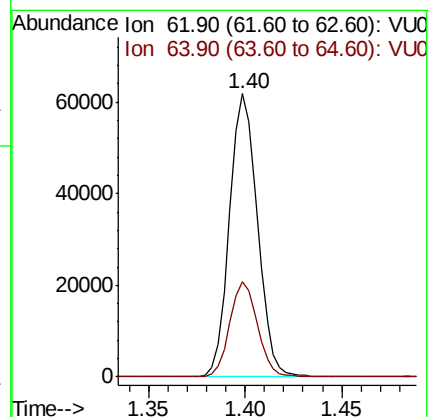
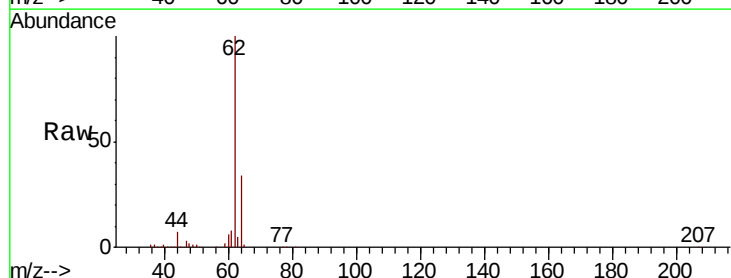
Acq: 12 Sep 2019 12:19

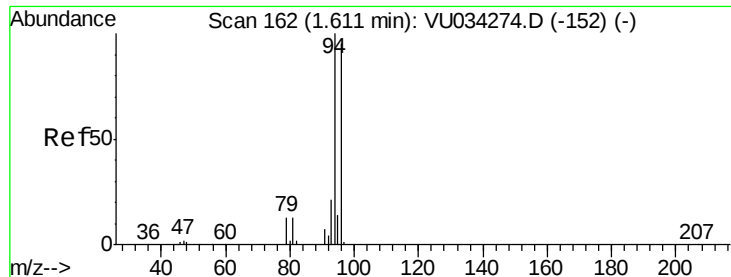
Tgt Ion: 62 Resp: 61837

Ion Ratio Lower Upper

62 100

64 33.5 26.2 39.4





#5

Bromomethane

Concen: 21.528 ug/l

RT: 1.62 min Scan# 165

Delta R.T. 0.01 min

Lab File: VU034513.D

Acq: 12 Sep 2019 12:19

Instrument :

MSVOA_U

ClientSampleId :

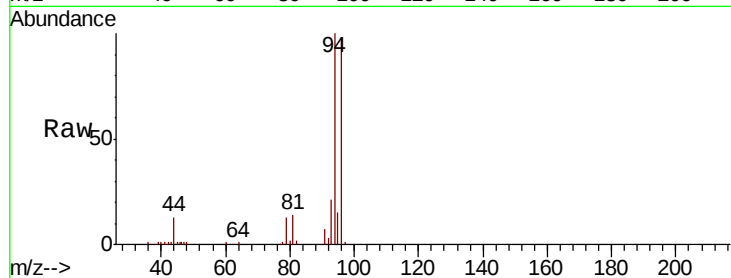
VU0912WBS02

Tgt Ion: 94 Resp: 38838

Ion Ratio Lower Upper

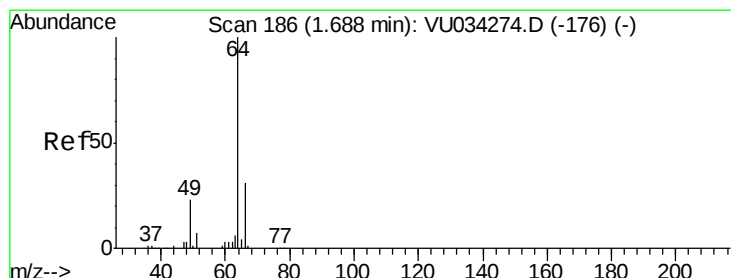
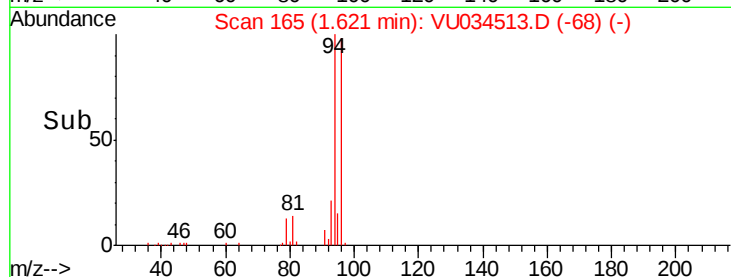
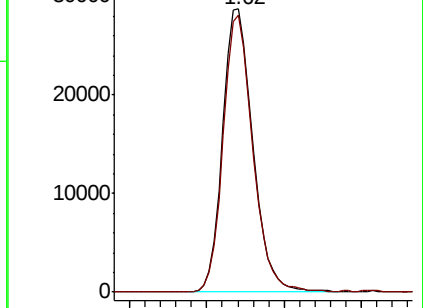
94 100

96 98.0 75.7 113.5



Abundance Ion 93.90 (93.60 to 94.60): VU034274.D (-152) (-)

Ion 95.90 (95.60 to 96.60): VU034274.D (-152) (-)



#6

Chloroethane

Concen: 21.538 ug/l

RT: 1.69 min Scan# 187

Delta R.T. 0.00 min

Lab File: VU034513.D

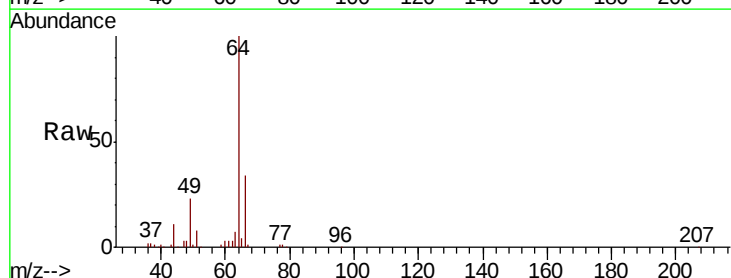
Acq: 12 Sep 2019 12:19

Tgt Ion: 64 Resp: 41056

Ion Ratio Lower Upper

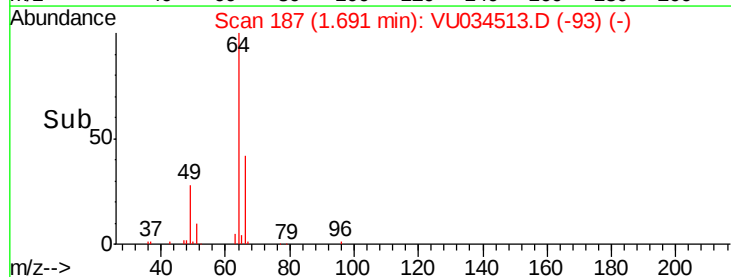
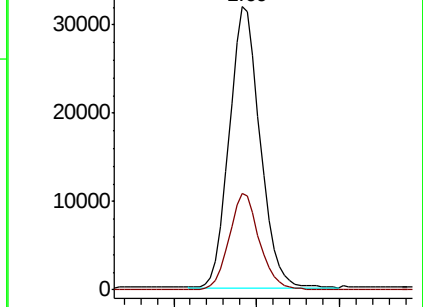
64 100

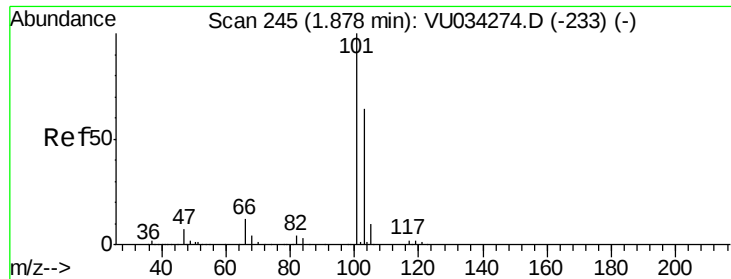
66 34.5 25.0 37.6



Abundance Ion 63.90 (63.60 to 64.60): VU034274.D (-176) (-)

Ion 65.90 (65.60 to 66.60): VU034274.D (-176) (-)



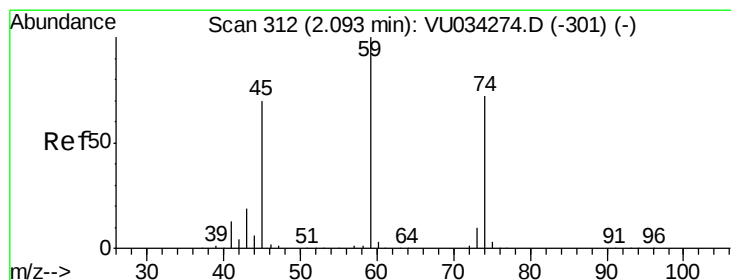
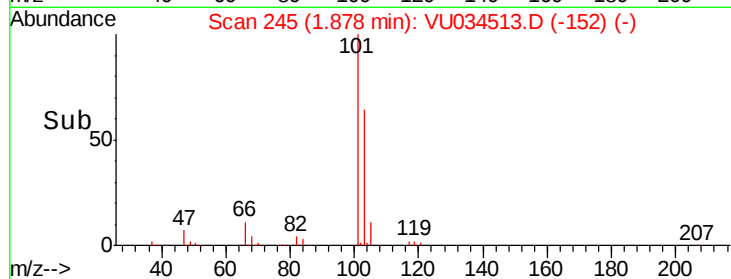
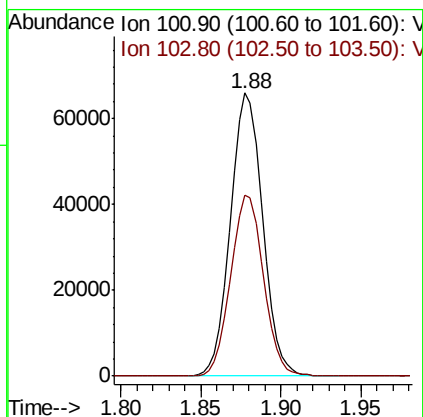
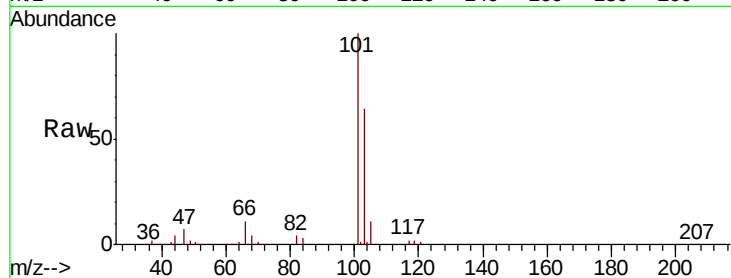


#7

Trichlorofluoromethane
 Concen: 21.068 ug/l
 RT: 1.88 min Scan# 245
 Delta R.T. -0.00 min
 Lab File: VU034513.D
 Acq: 12 Sep 2019 12:19

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0912WBS02

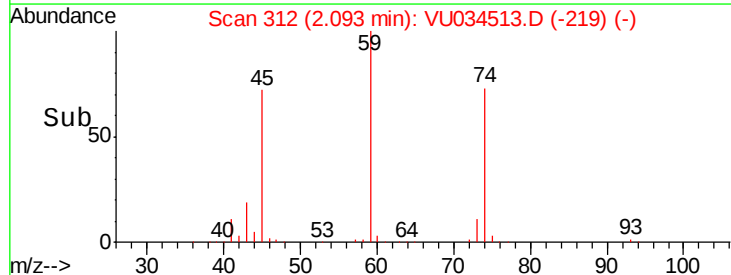
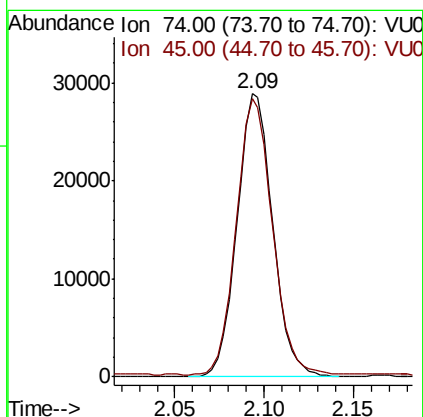
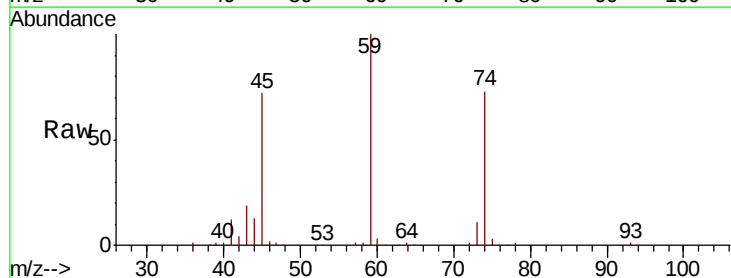
Tgt Ion:101 Resp: 90254
 Ion Ratio Lower Upper
 101 100
 103 64.1 51.0 76.6



#8

Diethyl Ether
 Concen: 21.251 ug/l
 RT: 2.09 min Scan# 312
 Delta R.T. -0.00 min
 Lab File: VU034513.D
 Acq: 12 Sep 2019 12:19

Tgt Ion: 74 Resp: 40045
 Ion Ratio Lower Upper
 74 100
 45 98.7 48.2 144.6

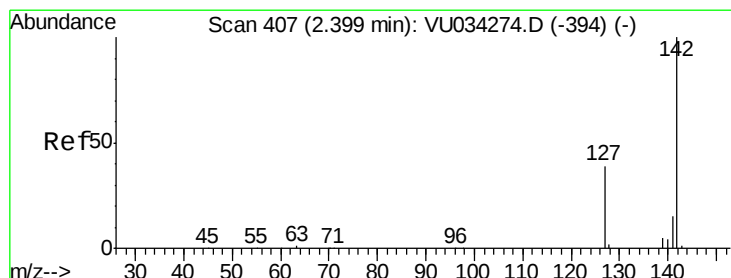
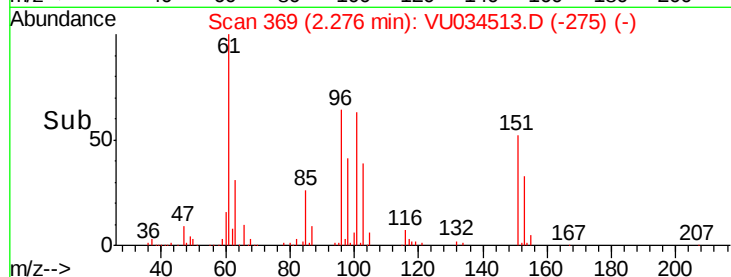
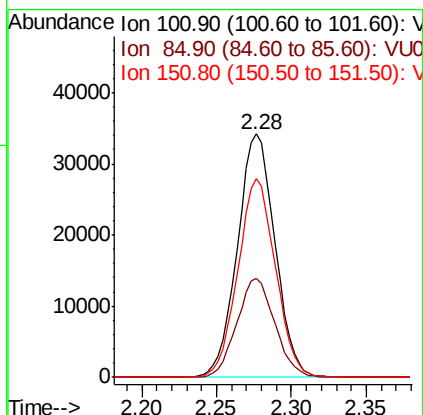
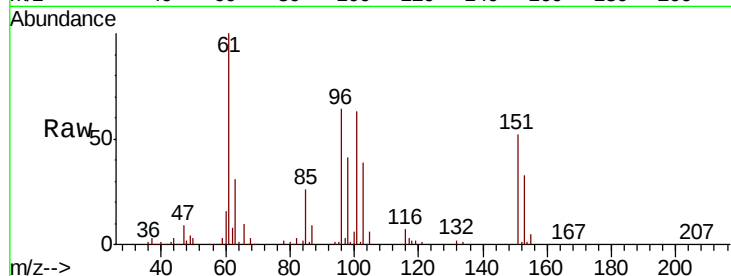




#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 21.084 ug/l
 RT: 2.28 min Scan# 369
 Delta R.T. 0.00 min
 Lab File: VU034513.D
 Acq: 12 Sep 2019 12:19

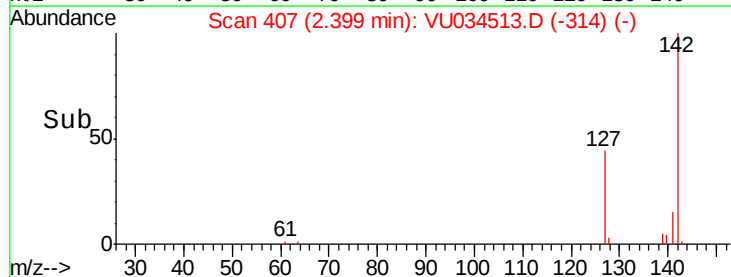
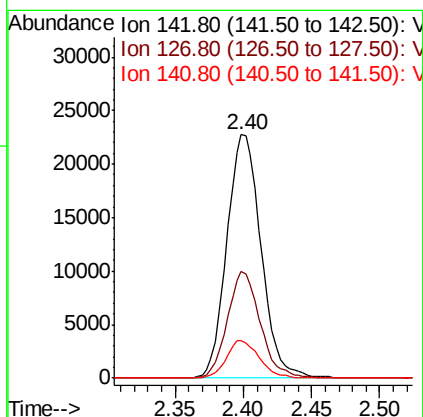
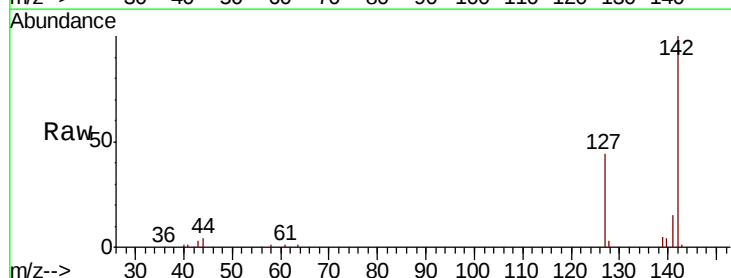
Instrument :
 MSVOA_U
 ClientSampleId :
 VU0912WBS02

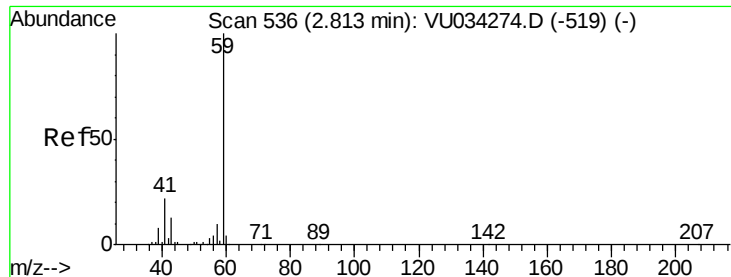
Tgt Ion	Ratio	Lower	Upper
101	100		
85	41.1	34.4	51.6
151	81.8	64.4	96.6



#10
 Methyl Iodide
 Concen: 17.924 ug/l
 RT: 2.40 min Scan# 407
 Delta R.T. 0.00 min
 Lab File: VU034513.D
 Acq: 12 Sep 2019 12:19

Tgt Ion	Ratio	Lower	Upper
142	100		
127	42.0	32.1	48.1
141	14.8	11.5	17.3

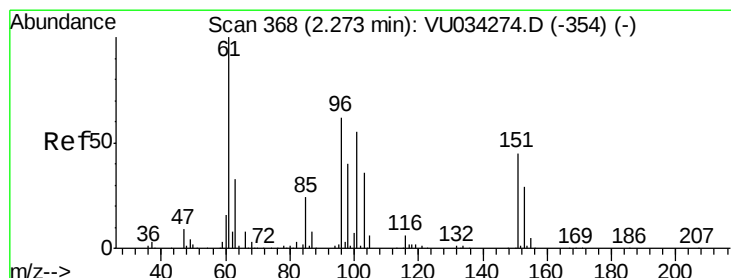
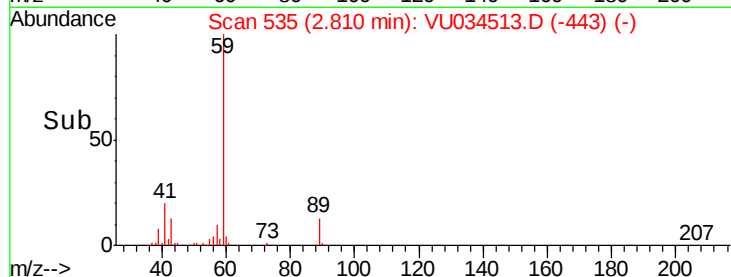
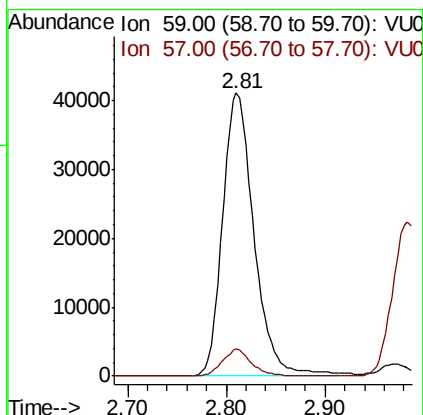
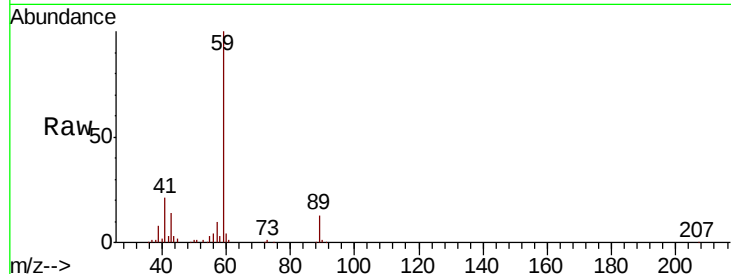




#11
Tert butyl alcohol
Concen: 116.705 ug/l
RT: 2.81 min Scan# 535
Delta R.T. -0.00 min
Lab File: VU034513.D
Acq: 12 Sep 2019 12:19

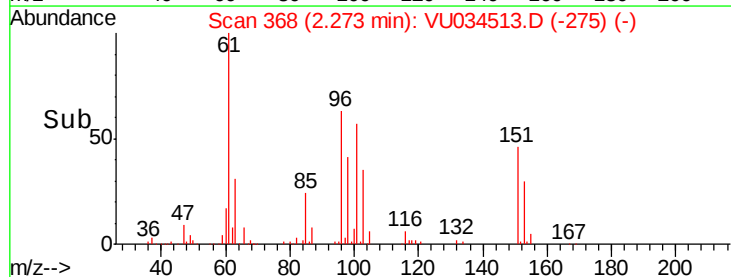
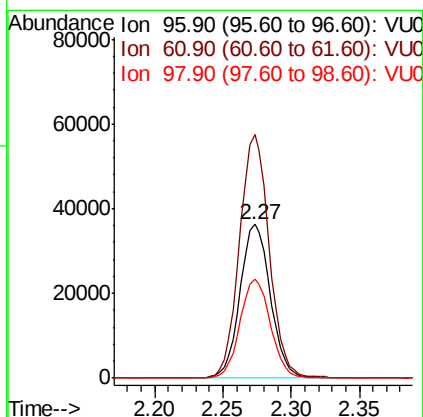
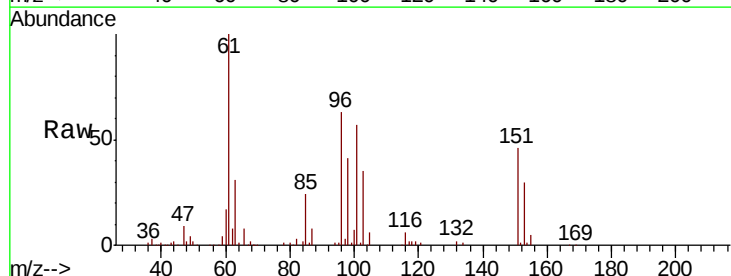
Instrument :
MSVOA_U
ClientSampleId :
VU0912WBS02

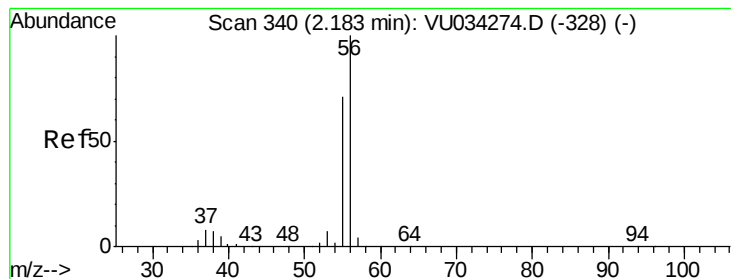
Tgt Ion: 59 Resp: 91454
Ion Ratio Lower Upper
59 100
57 8.9 7.9 11.9



#12
1,1-Dichloroethene
Concen: 21.113 ug/l
RT: 2.27 min Scan# 368
Delta R.T. -0.00 min
Lab File: VU034513.D
Acq: 12 Sep 2019 12:19

Tgt Ion: 96 Resp: 56314
Ion Ratio Lower Upper
96 100
61 158.3 130.0 195.0
98 64.2 52.2 78.4





#13

Acrolein

Concen: 56.596 ug/l

RT: 2.18 min Scan# 340

Delta R.T. -0.00 min

Lab File: VU034513.D

Acq: 12 Sep 2019 12:19

Instrument :

MSVOA_U

ClientSampleId :

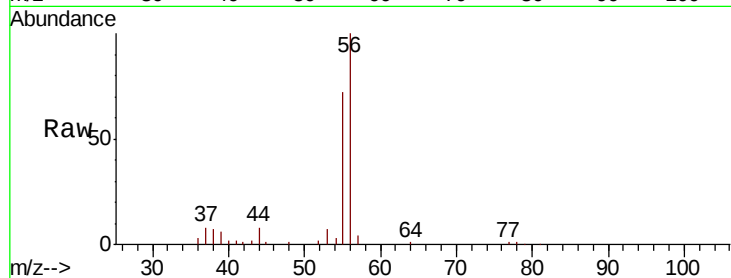
VU0912WBS02

Tgt Ion: 56 Resp: 37276

Ion Ratio Lower Upper

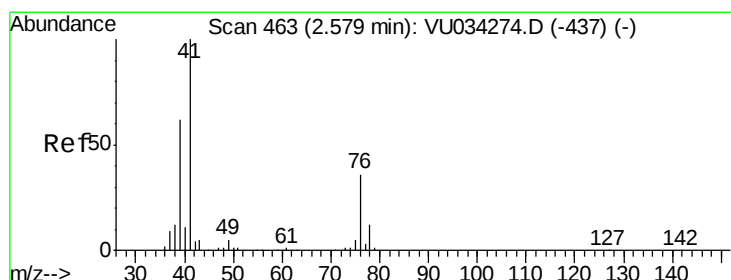
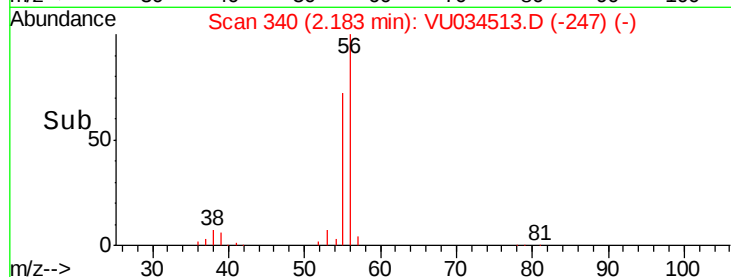
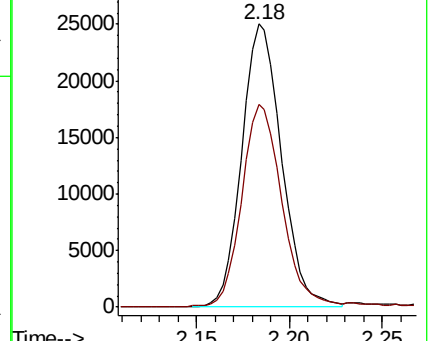
56 100

55 72.1 57.4 86.2



Abundance Ion 56.00 (55.70 to 56.70): VU034274.D (-328) (-)

Ion 55.00 (54.70 to 55.70): VU034274.D (-328) (-)



#14

Allyl chloride

Concen: 17.615 ug/l

RT: 2.58 min Scan# 464

Delta R.T. 0.00 min

Lab File: VU034513.D

Acq: 12 Sep 2019 12:19

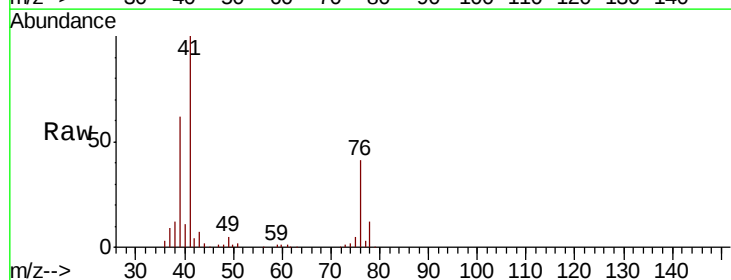
Tgt Ion: 41 Resp: 89824

Ion Ratio Lower Upper

41 100

39 63.0 43.5 65.3

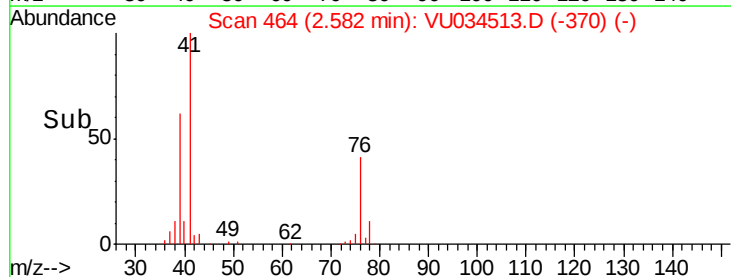
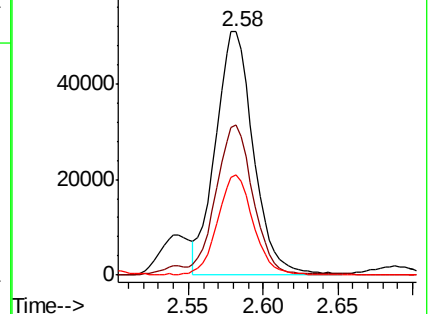
76 38.9 27.0 40.6

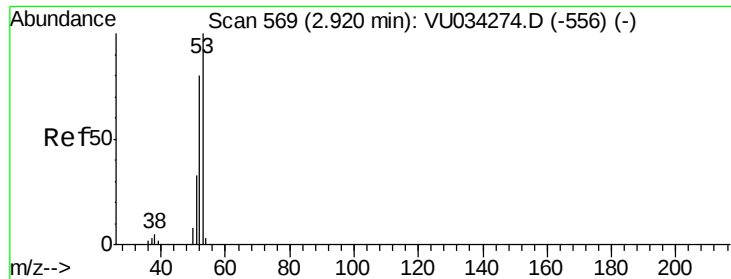


Abundance Ion 41.00 (40.70 to 41.70): VU034274.D (-437) (-)

Ion 39.00 (38.70 to 39.70): VU034274.D (-437) (-)

Ion 75.90 (75.60 to 76.60): VU034274.D (-437) (-)

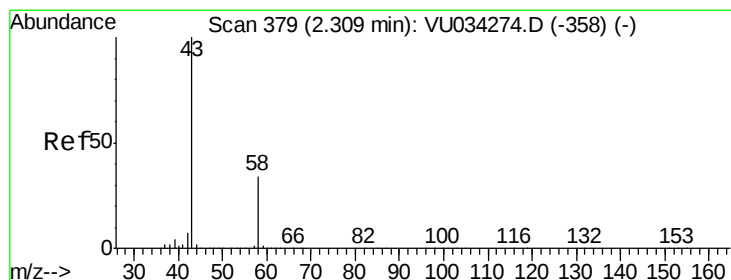
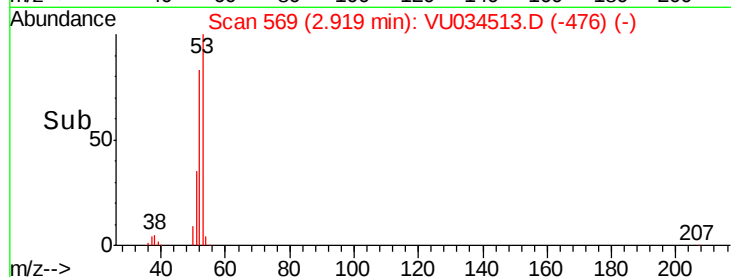
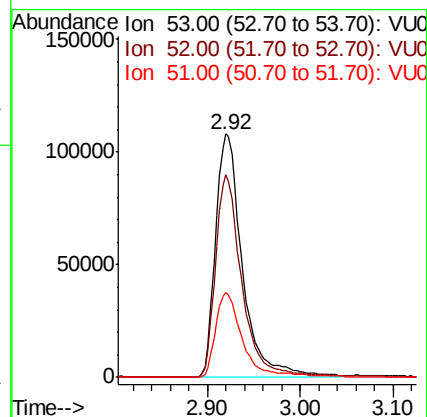
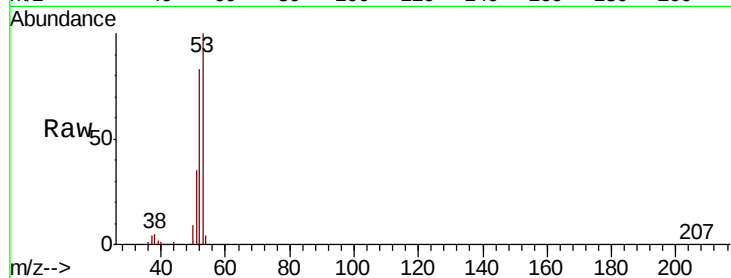




#15
 Acrylonitrile
 Concen: 111.749 ug/l
 RT: 2.92 min Scan# 569
 Delta R.T. -0.00 min
 Lab File: VU034513.D
 Acq: 12 Sep 2019 12:19

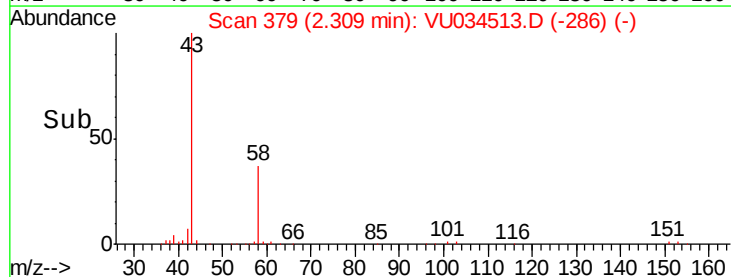
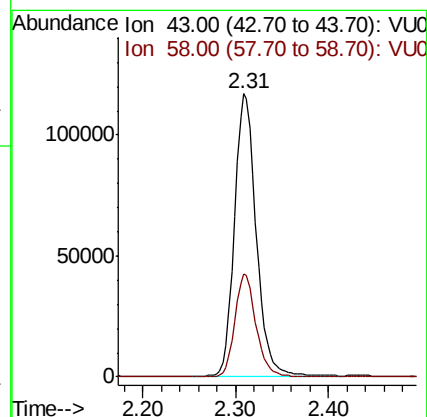
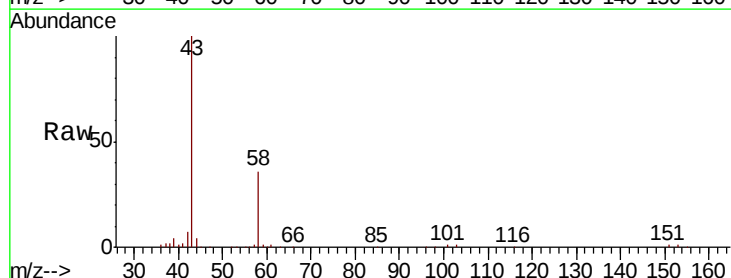
Instrument :
 MSVOA_U
 ClientSampleId :
 VU0912WBS02

Tgt Ion: 53 Resp: 218072
 Ion Ratio Lower Upper
 53 100
 52 80.6 64.1 96.1
 51 35.0 27.4 41.0



#16
 Acetone
 Concen: 99.277 ug/l
 RT: 2.31 min Scan# 379
 Delta R.T. -0.00 min
 Lab File: VU034513.D
 Acq: 12 Sep 2019 12:19

Tgt Ion: 43 Resp: 190566
 Ion Ratio Lower Upper
 43 100
 58 36.5 27.6 41.4

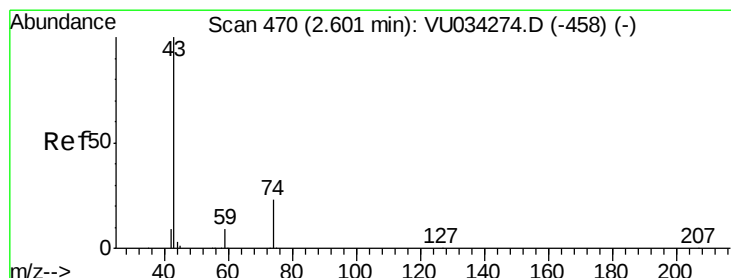
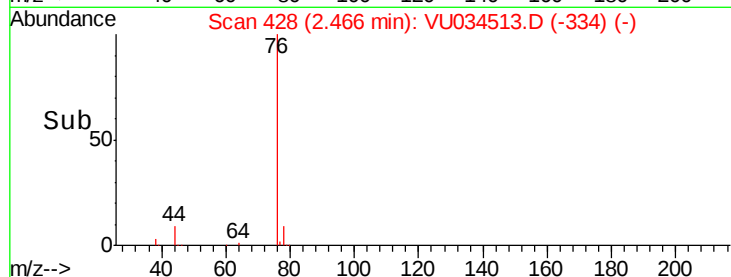
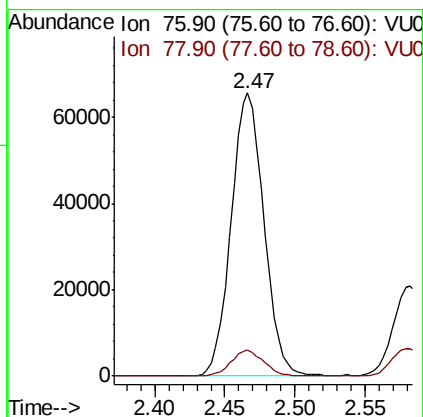
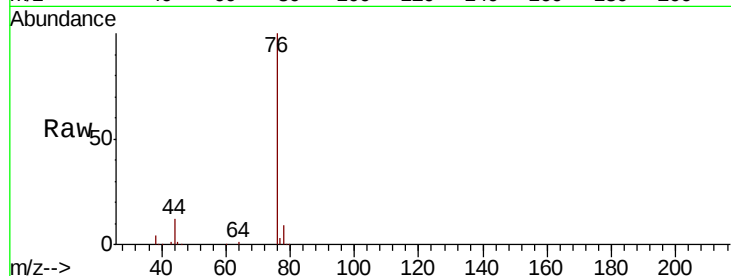




#17
Carbon Disulfide
Concen: 17.849 ug/l
RT: 2.47 min Scan# 428
Delta R.T. 0.00 min
Lab File: VU034513.D
Acq: 12 Sep 2019 12:19

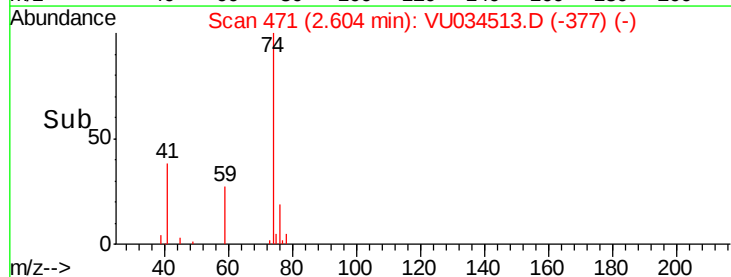
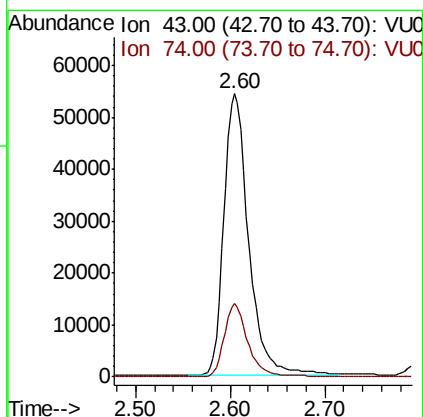
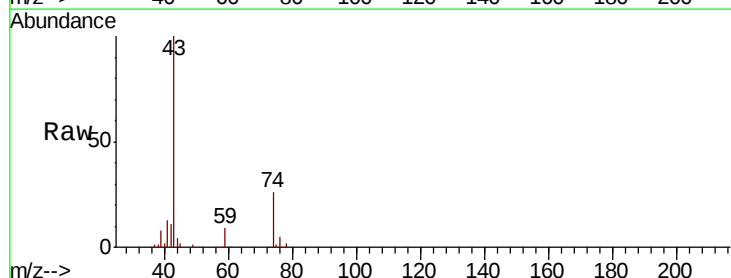
Instrument :
MSVOA_U
ClientSampleId :
VU0912WBS02

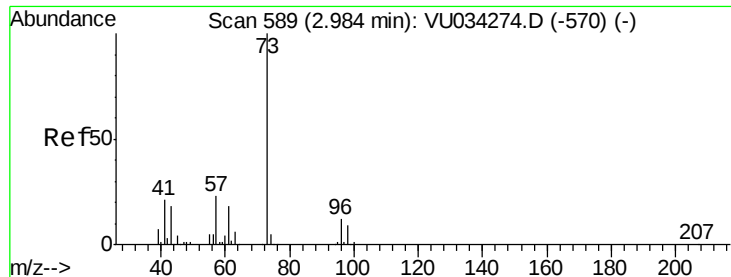
Tgt Ion: 76 Resp: 107004
Ion Ratio Lower Upper
76 100
78 9.1 7.2 10.8



#18
Methyl Acetate
Concen: 21.274 ug/l
RT: 2.60 min Scan# 471
Delta R.T. 0.00 min
Lab File: VU034513.D
Acq: 12 Sep 2019 12:19

Tgt Ion: 43 Resp: 99365
Ion Ratio Lower Upper
43 100
74 25.0 18.9 28.3

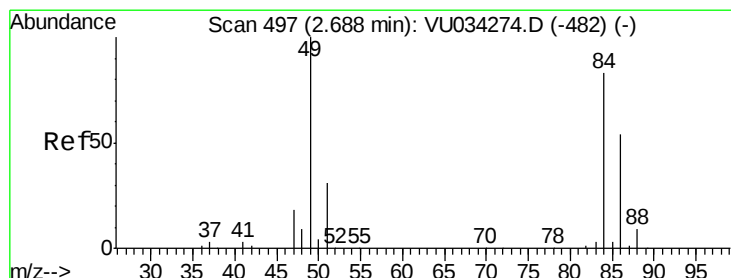
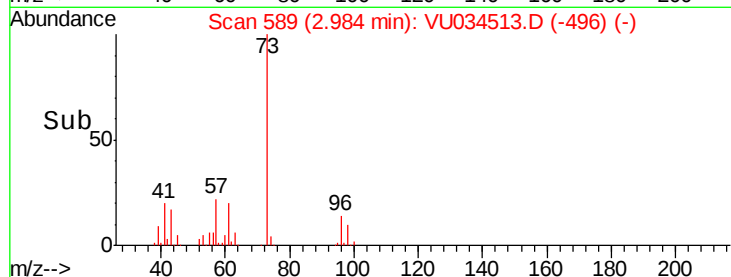
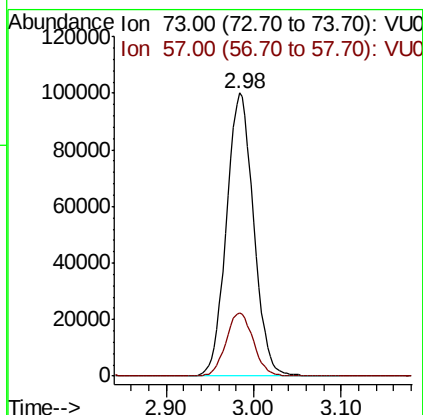
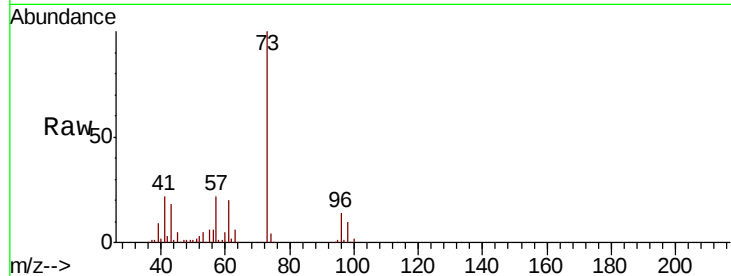




#19
Methyl tert-butyl Ether
Concen: 22.222 ug/l
RT: 2.98 min Scan# 589
Delta R.T. -0.00 min
Lab File: VU034513.D
Acq: 12 Sep 2019 12:19

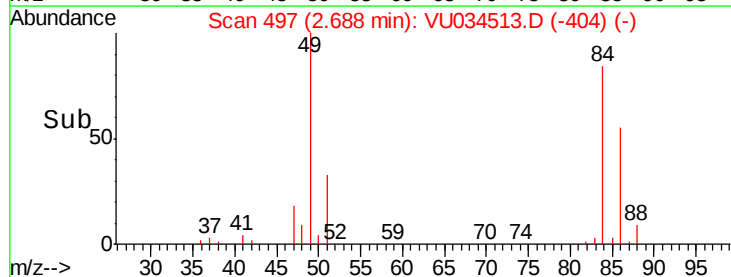
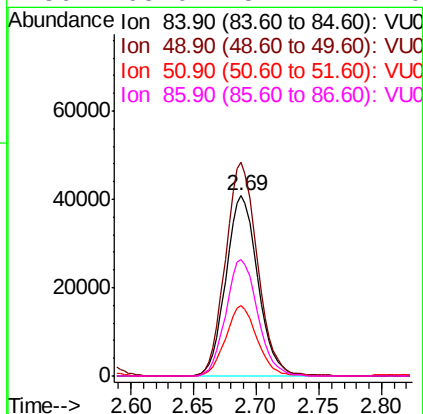
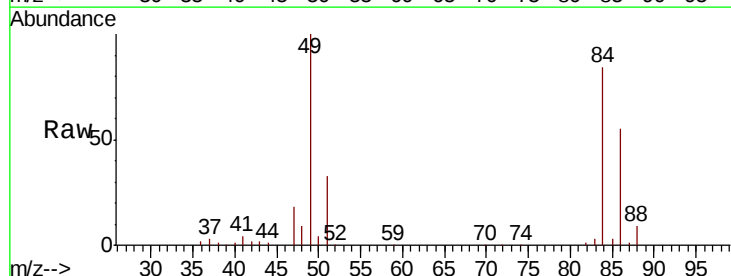
Instrument :
MSVOA_U
ClientSampleId :
VU0912WBS02

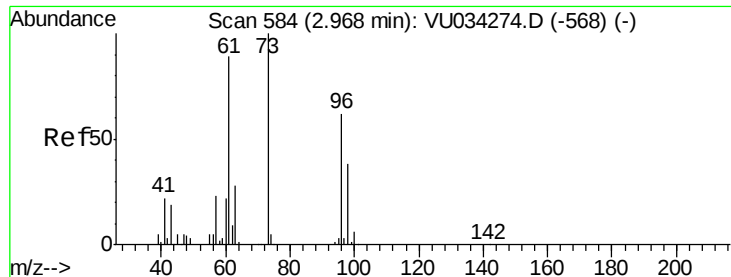
Tgt Ion: 73 Resp: 216045
Ion Ratio Lower Upper
73 100
57 22.3 18.2 27.4



#20
Methylene Chloride
Concen: 22.765 ug/l
RT: 2.69 min Scan# 497
Delta R.T. -0.00 min
Lab File: VU034513.D
Acq: 12 Sep 2019 12:19

Tgt Ion: 84 Resp: 72260
Ion Ratio Lower Upper
84 100
49 118.7 96.0 144.0
51 39.1 30.0 45.0
86 65.0 51.4 77.0





#21

trans-1,2-Dichloroethene

Concen: 20.489 ug/l

RT: 2.97 min Scan# 584

Delta R.T. -0.00 min

Lab File: VU034513.D

Acq: 12 Sep 2019 12:19

Instrument :

MSVOA_U

ClientSampleId :

VU0912WBS02

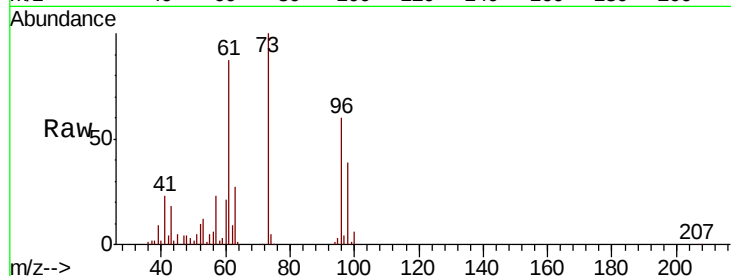
Tgt Ion: 96 Resp: 57590

Ion Ratio Lower Upper

96 100

61 144.9 114.8 172.2

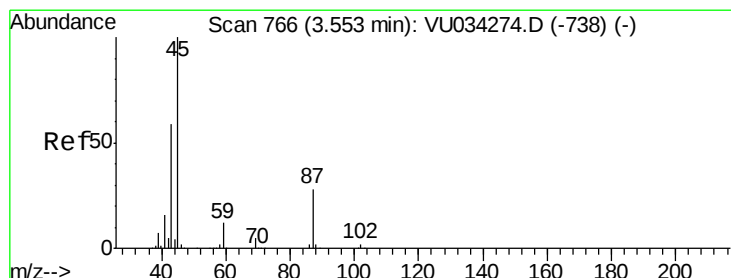
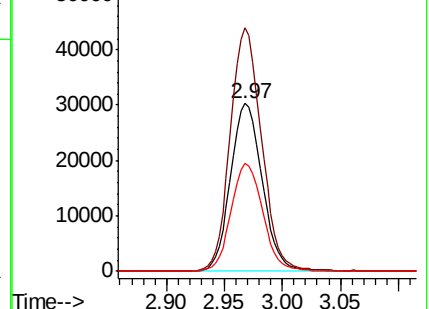
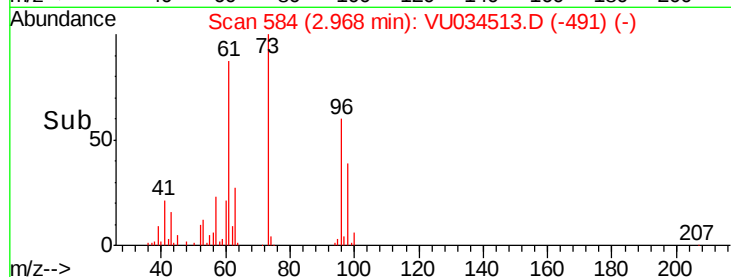
98 64.1 49.8 74.8



Abundance Ion 95.90 (95.60 to 96.60): VU034513.D (-491) (-)

Ion 60.90 (60.60 to 61.60): VU034513.D (-491) (-)

Ion 97.90 (97.60 to 98.60): VU034513.D (-491) (-)



#22

Diisopropyl ether

Concen: 22.591 ug/l

RT: 3.55 min Scan# 766

Delta R.T. -0.00 min

Lab File: VU034513.D

Acq: 12 Sep 2019 12:19

Tgt Ion: 45 Resp: 224655

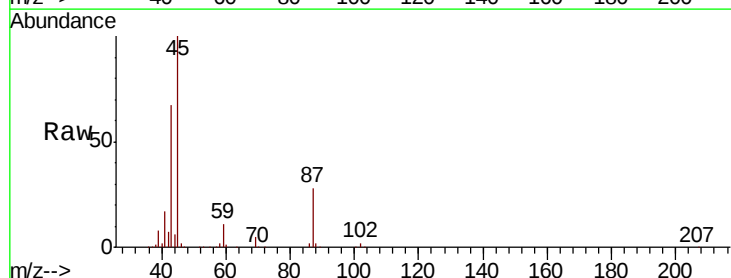
Ion Ratio Lower Upper

45 100

43 65.3 47.5 71.3

87 28.4 22.2 33.4

59 11.3 9.4 14.2

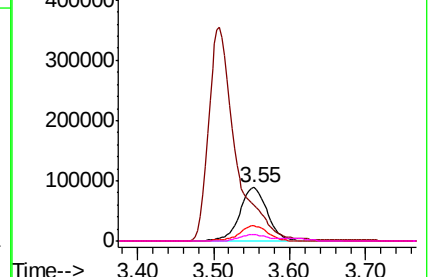
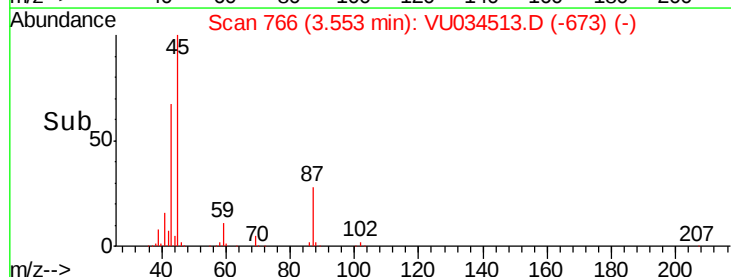


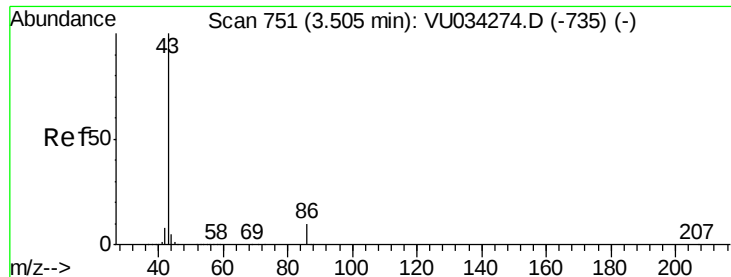
Abundance Ion 45.00 (44.70 to 45.70): VU034513.D (-673) (-)

Ion 43.00 (42.70 to 43.70): VU034513.D (-673) (-)

Ion 87.00 (86.70 to 87.70): VU034513.D (-673) (-)

Ion 59.00 (58.70 to 59.70): VU034513.D (-673) (-)





#23

Vinyl Acetate

Concen: 108.226 ug/l

RT: 3.51 min Scan# 752

Delta R.T. 0.00 min

Lab File: VU034513.D

Acq: 12 Sep 2019 12:19

Instrument :

MSVOA_U

ClientSampleId :

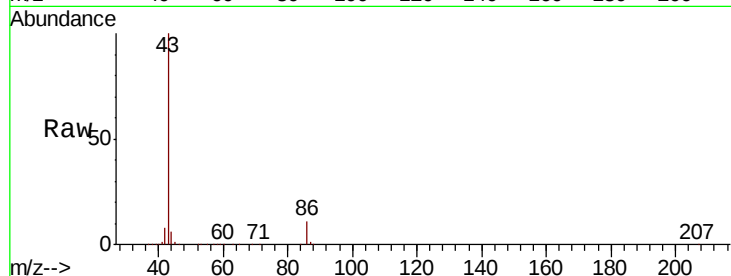
VU0912WBS02

Tgt Ion: 43 Resp: 876680

Ion Ratio Lower Upper

43 100

86 10.9 8.3 12.5



Abundance Ion 43.00 (42.70 to 43.70): VU034274.D (-735) (-)

Ion 86.00 (85.70 to 86.70): VU034274.D (-735) (-)

3.51

400000

300000

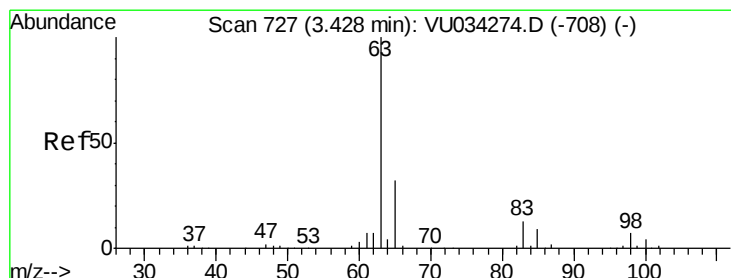
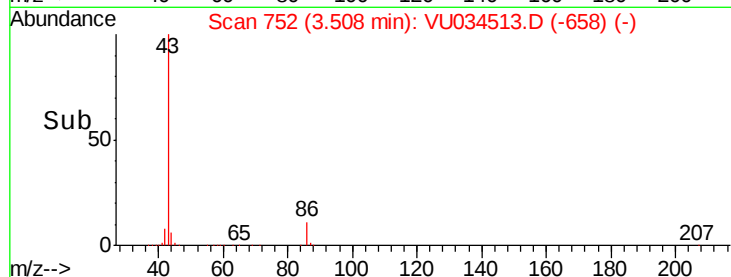
200000

100000

0

Time-->

3.40 3.50 3.60 3.70



#24

1,1-Dichloroethane

Concen: 21.534 ug/l

RT: 3.43 min Scan# 727

Delta R.T. -0.00 min

Lab File: VU034513.D

Acq: 12 Sep 2019 12:19

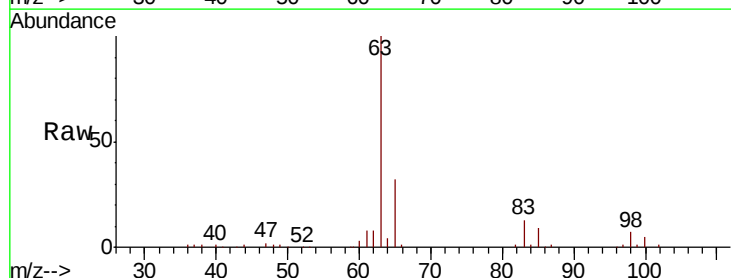
Tgt Ion: 63 Resp: 127885

Ion Ratio Lower Upper

63 100

98 6.8 3.5 10.4

100 4.5 2.1 6.5



Abundance Ion 62.90 (62.60 to 63.60): VU034274.D (-708) (-)

Ion 97.90 (97.60 to 98.60): VU034274.D (-708) (-)

Ion 99.90 (99.60 to 100.60): VU034274.D (-708) (-)

3.43

60000

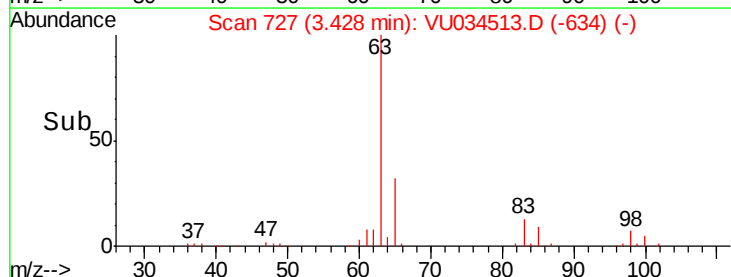
40000

20000

0

Time-->

3.30 3.40 3.50





#25

2-Butanone

Concen: 108.700 ug/l

RT: 4.24 min Scan# 980

Delta R.T. 0.00 min

Lab File: VU034513.D

Acq: 12 Sep 2019 12:19

Instrument :

MSVOA_U

ClientSampleId :

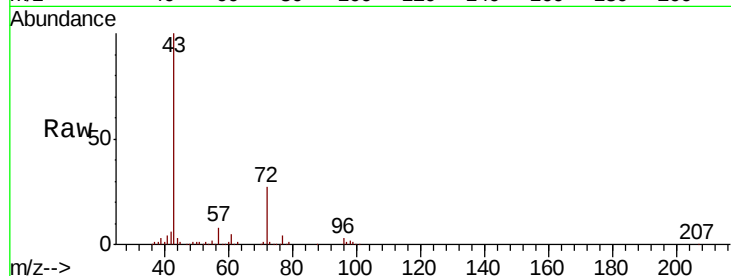
VU0912WBS02

Tgt Ion: 43 Resp: 278526

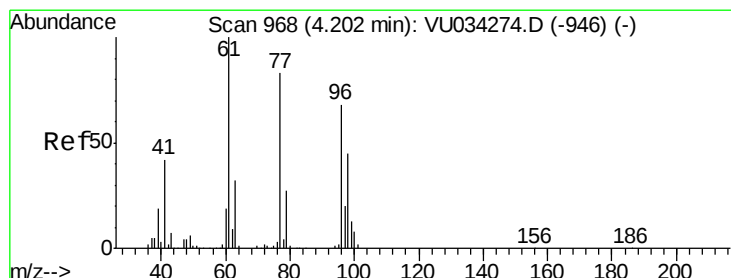
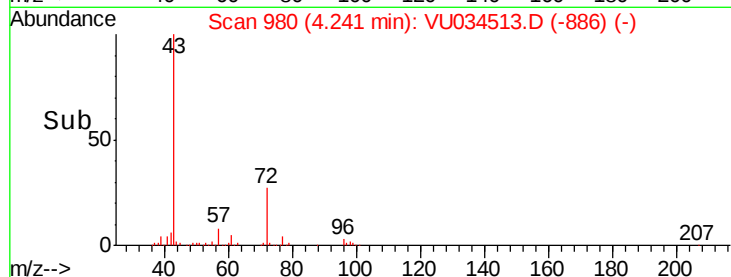
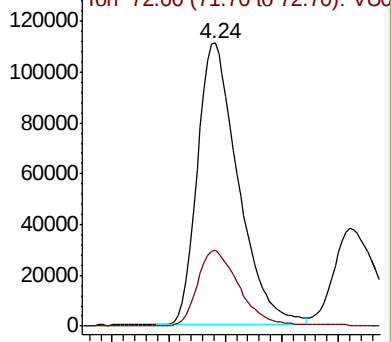
Ion Ratio Lower Upper

43 100

72 26.6 21.8 32.6



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



#26

2,2-Dichloropropane

Concen: 21.694 ug/l

RT: 4.20 min Scan# 968

Delta R.T. -0.00 min

Lab File: VU034513.D

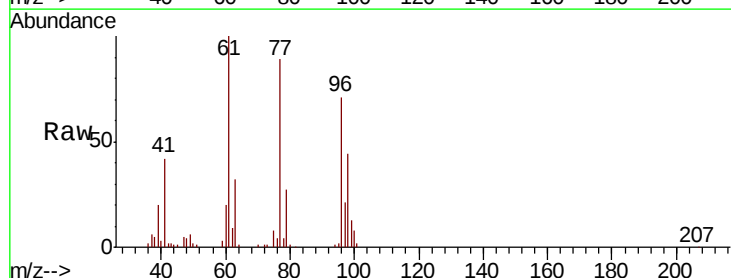
Acq: 12 Sep 2019 12:19

Tgt Ion: 77 Resp: 103621

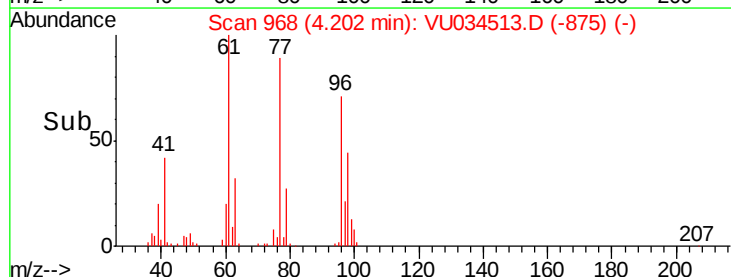
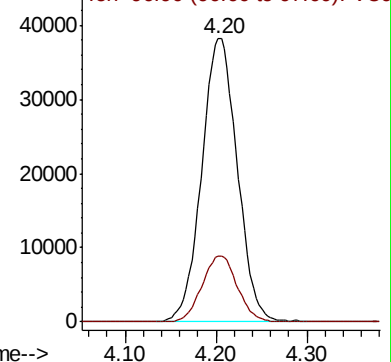
Ion Ratio Lower Upper

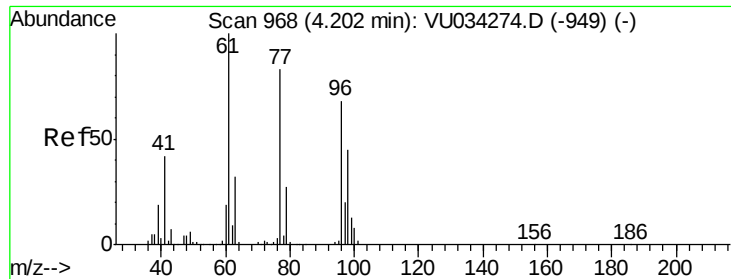
77 100

97 23.0 11.8 35.3



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



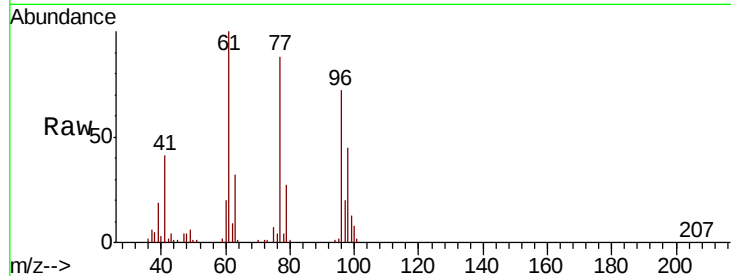


#27

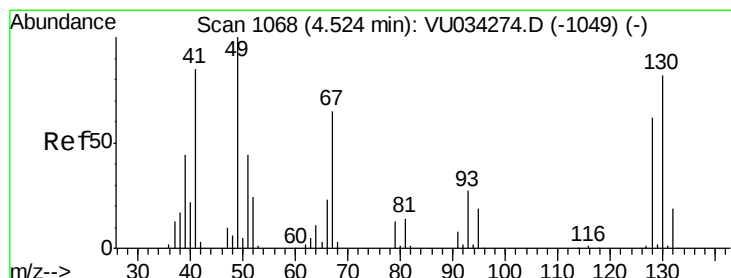
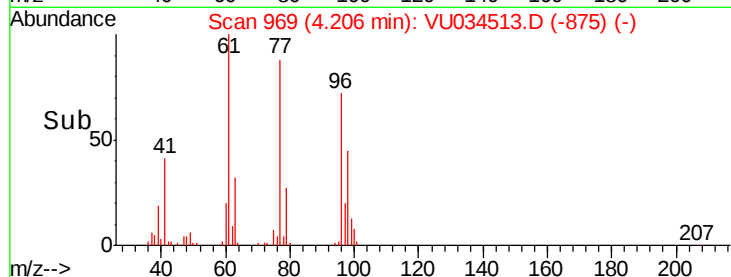
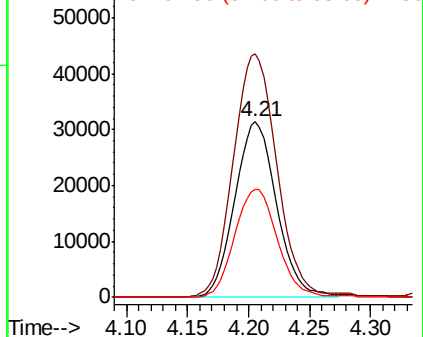
cis-1,2-Dichloroethene
 Concen: 21.876 ug/l
 RT: 4.21 min Scan# 969
 Delta R.T. 0.00 min
 Lab File: VU034513.D
 Acq: 12 Sep 2019 12:19

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0912WBS02

Tgt Ion: 96 Resp: 74680
 Ion Ratio Lower Upper
 96 100
 61 143.8 0.0 297.4
 98 63.3 0.0 130.0



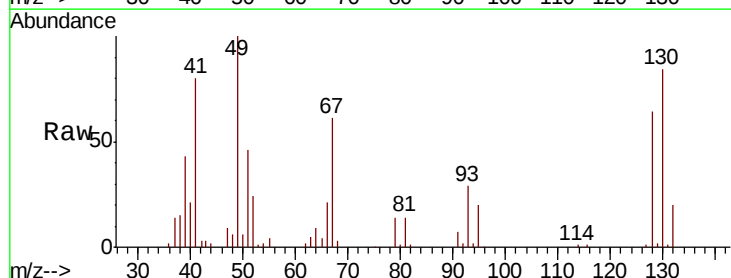
Abundance Ion 95.90 (95.60 to 96.60): VU0
 Ion 60.90 (60.60 to 61.60): VU0
 Ion 97.90 (97.60 to 98.60): VU0



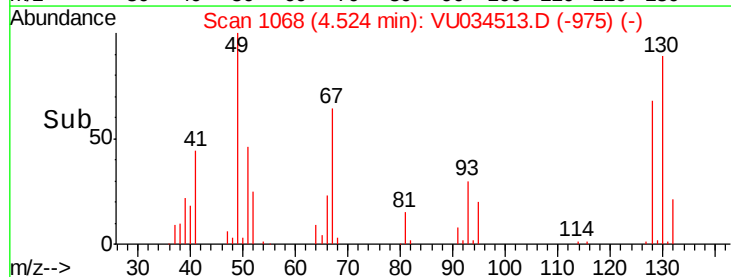
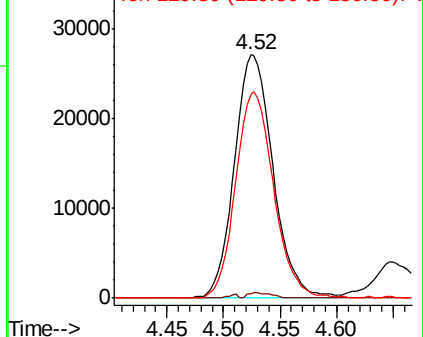
#28

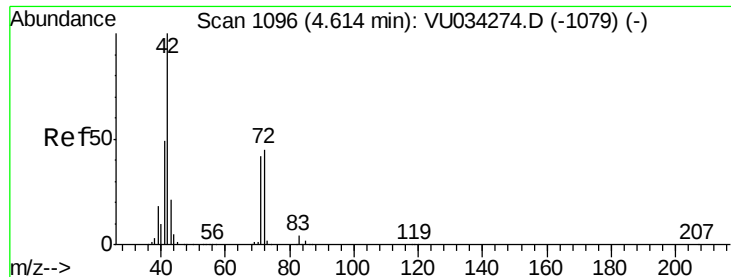
Bromochloromethane
 Concen: 23.569 ug/l
 RT: 4.52 min Scan# 1068
 Delta R.T. -0.00 min
 Lab File: VU034513.D
 Acq: 12 Sep 2019 12:19

Tgt Ion: 49 Resp: 64381
 Ion Ratio Lower Upper
 49 100
 129 1.3 0.0 3.8
 130 83.5 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

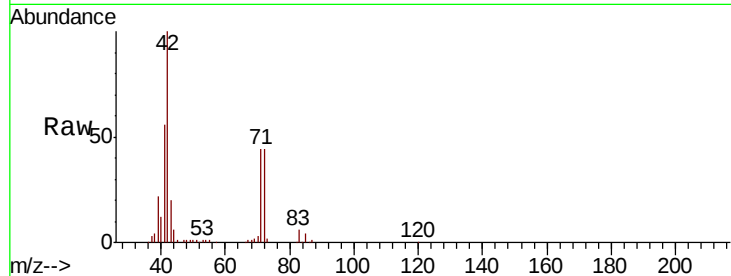




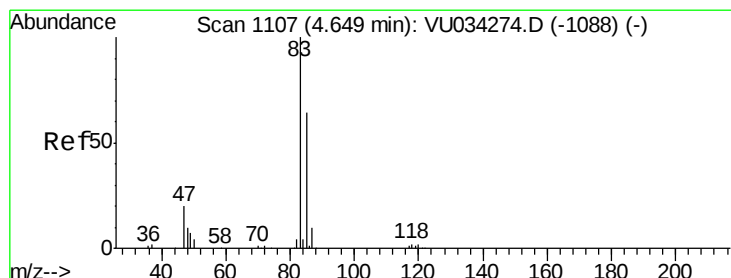
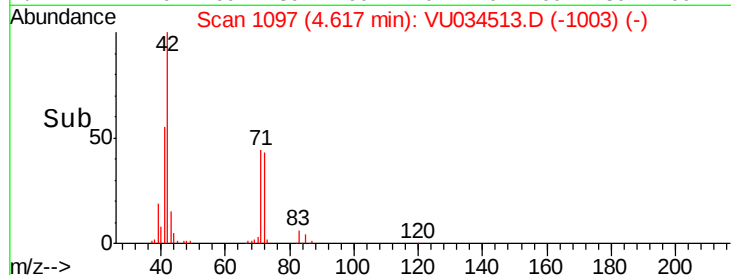
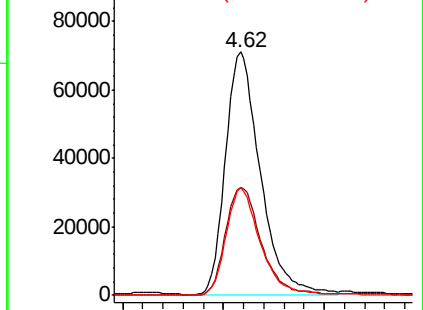
#29
Tetrahydrofuran
Concen: 109.388 ug/l
RT: 4.62 min Scan# 1097
Delta R.T. 0.00 min
Lab File: VU034513.D
Acq: 12 Sep 2019 12:19

Instrument :
MSVOA_U
ClientSampleId :
VU0912WBS02

Tgt Ion: 42 Resp: 170557
Ion Ratio Lower Upper
42 100
72 45.5 36.6 54.8
71 43.8 34.3 51.5

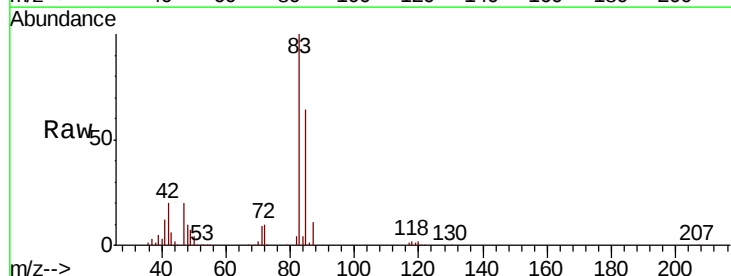


Abundance Ion 42.00 (41.70 to 42.70): VU0
Ion 72.00 (71.70 to 72.70): VU0
Ion 71.00 (70.70 to 71.70): VU0

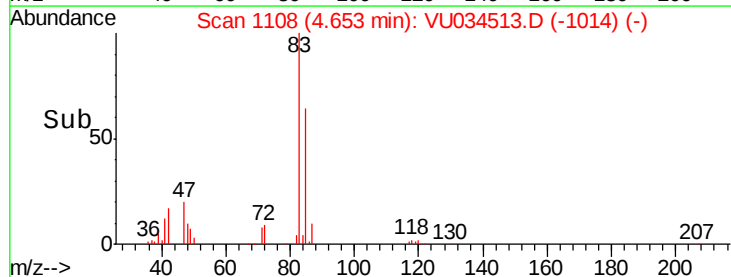
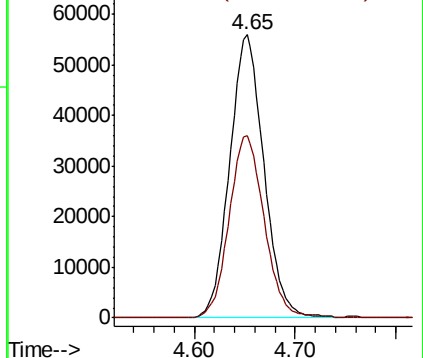


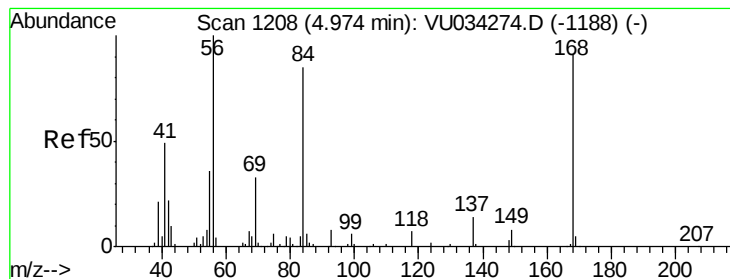
#30
Chloroform
Concen: 21.900 ug/l
RT: 4.65 min Scan# 1108
Delta R.T. 0.00 min
Lab File: VU034513.D
Acq: 12 Sep 2019 12:19

Tgt Ion: 83 Resp: 132199
Ion Ratio Lower Upper
83 100
85 64.2 51.5 77.3



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





#31

Cyclohexane

Concen: 19.618 ug/l

RT: 4.97 min Scan# 1208

Delta R.T. -0.00 min

Lab File: VU034513.D

Acq: 12 Sep 2019 12:19

Instrument :

MSVOA_U

ClientSampleId :

VU0912WBS02

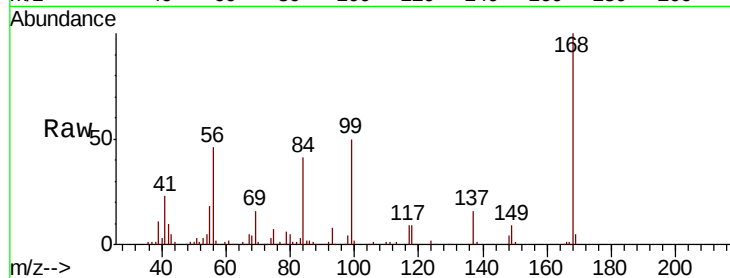
Tgt Ion: 56 Resp: 85234

Ion Ratio Lower Upper

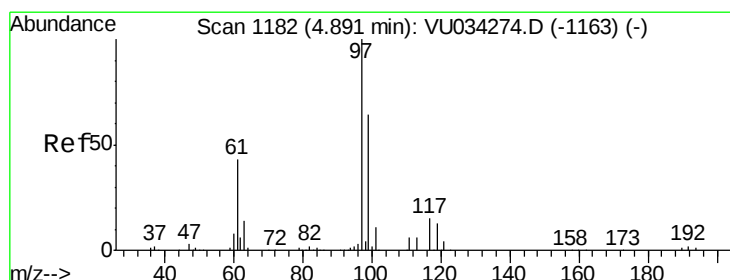
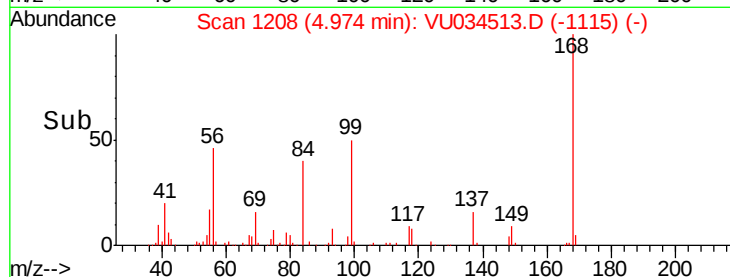
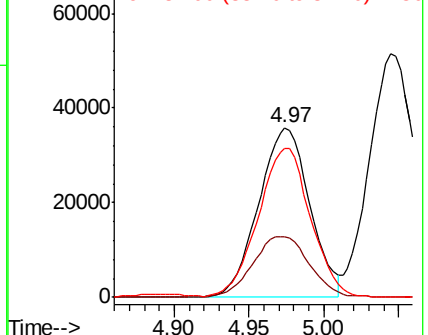
56 100

69 35.6 26.7 40.1

84 86.6 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: 22.086 ug/l

RT: 4.89 min Scan# 1183

Delta R.T. 0.00 min

Lab File: VU034513.D

Acq: 12 Sep 2019 12:19

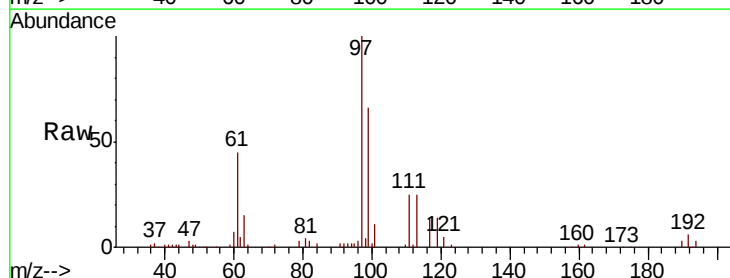
Tgt Ion: 97 Resp: 106594

Ion Ratio Lower Upper

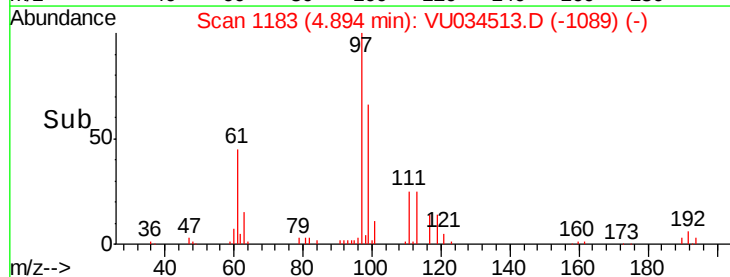
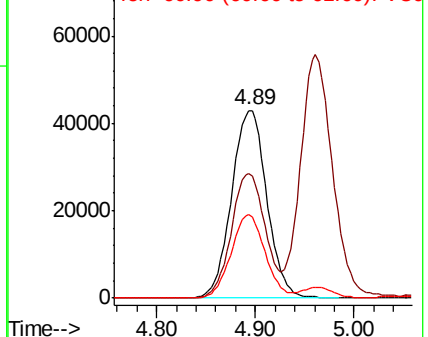
97 100

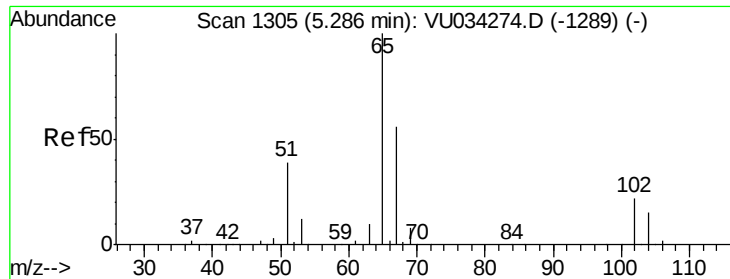
99 64.1 50.9 76.3

61 43.2 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: 52.906 ug/l

RT: 5.29 min Scan# 1306

Delta R.T. 0.00 min

Lab File: VU034513.D

Acq: 12 Sep 2019 12:19

Instrument :

MSVOA_U

ClientSampleId :

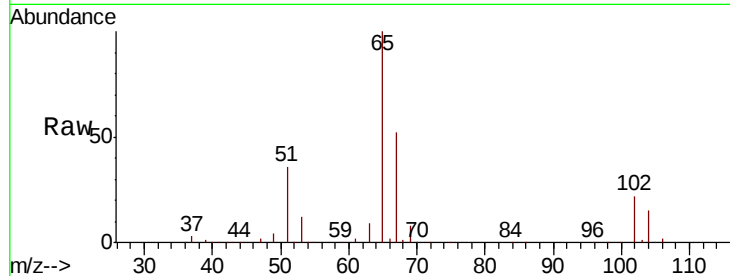
VU0912WBS02

Tgt Ion: 65 Resp: 196244

Ion Ratio Lower Upper

65 100

67 54.7 0.0 112.4



Abundance Ion 64.90 (64.60 to 65.60): VU0

Ion 66.90 (66.60 to 67.60): VU0

5.29

100000

80000

60000

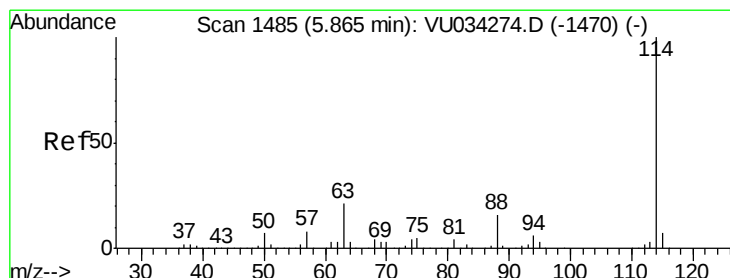
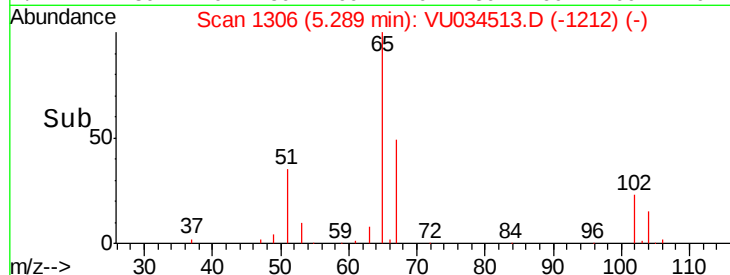
40000

20000

0

Time-->

5.20 5.25 5.30 5.35



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.86 min Scan# 1485

Delta R.T. -0.00 min

Lab File: VU034513.D

Acq: 12 Sep 2019 12:19

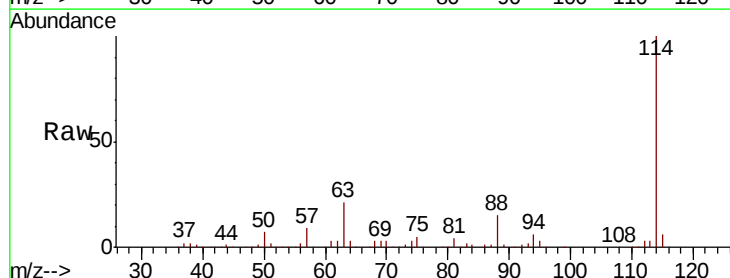
Tgt Ion: 114 Resp: 349208

Ion Ratio Lower Upper

114 100

63 20.6 0.0 42.4

88 15.3 0.0 32.4



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VU0

Ion 87.90 (87.60 to 88.60): VU0

200000

150000

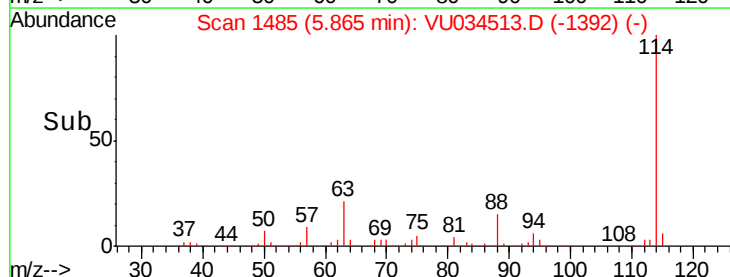
100000

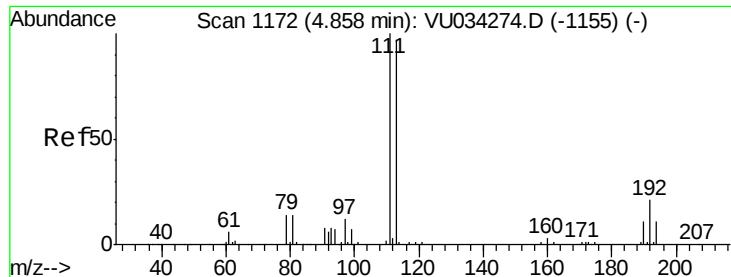
50000

0

Time-->

5.80 5.90 6.00





#35

Dibromofluoromethane

Concen: 53.723 ug/l

RT: 4.86 min Scan# 1173

Delta R.T. 0.00 min

Lab File: VU034513.D

Acq: 12 Sep 2019 12:19

Instrument :

MSVOA_U

ClientSampleId :

VU0912WBS02

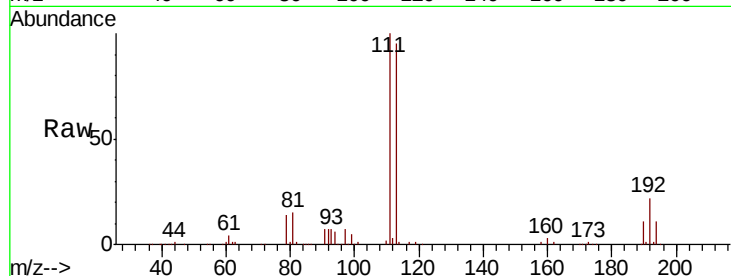
Tgt Ion:113 Resp: 174567

Ion Ratio Lower Upper

113 100

111 102.8 81.5 122.3

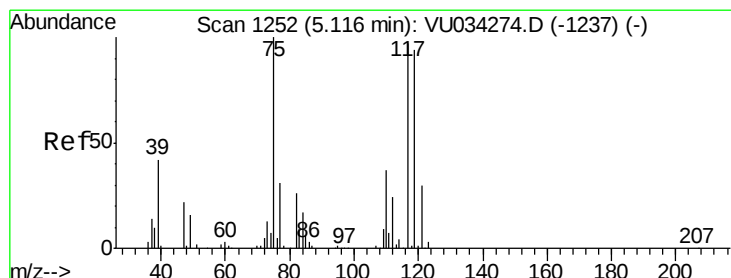
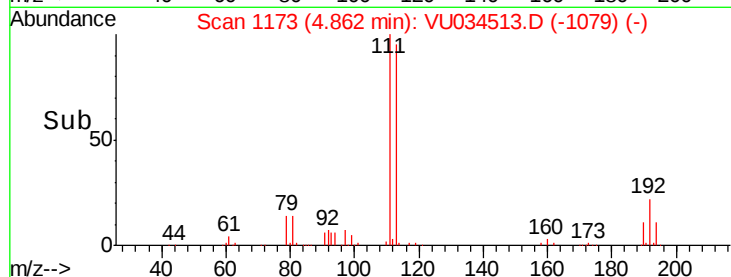
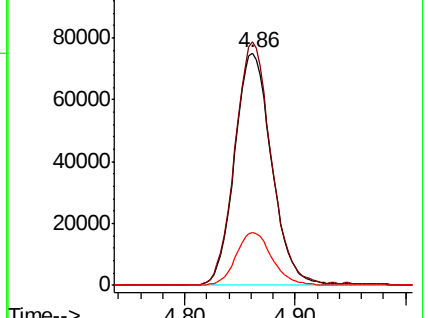
192 22.1 17.8 26.8



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 20.837 ug/l

RT: 5.12 min Scan# 1252

Delta R.T. -0.00 min

Lab File: VU034513.D

Acq: 12 Sep 2019 12:19

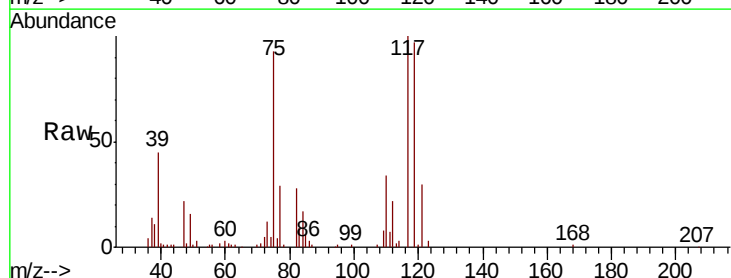
Tgt Ion: 75 Resp: 78915

Ion Ratio Lower Upper

75 100

110 36.5 18.3 54.9

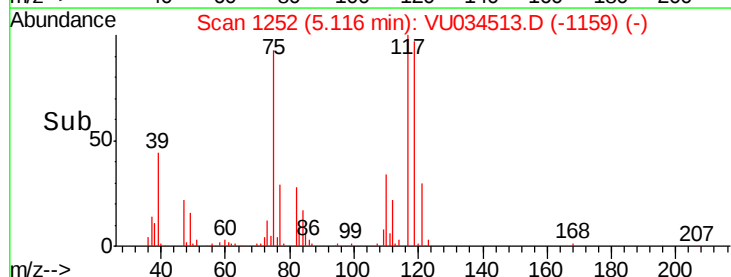
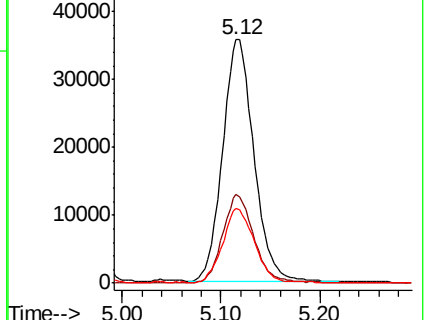
77 31.7 24.9 37.3

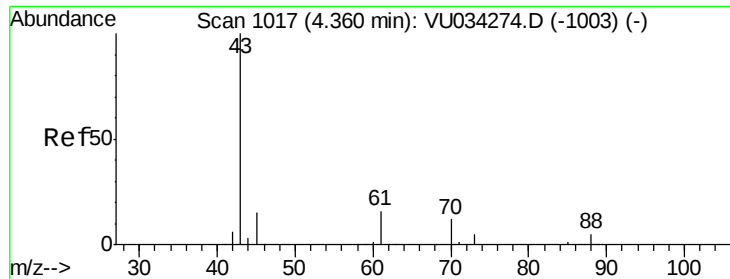


Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VU0

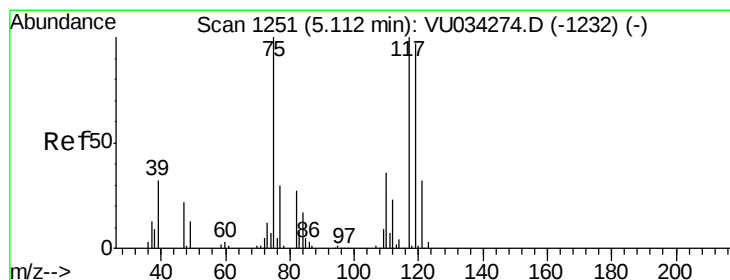
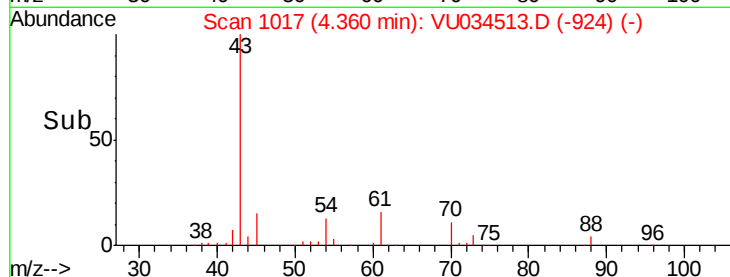
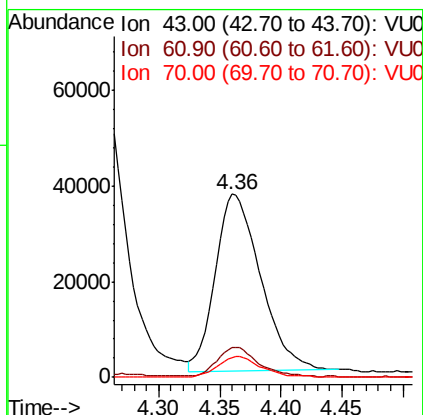
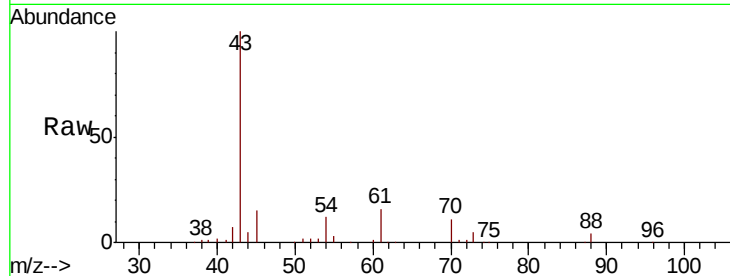




#37
 Ethyl Acetate
 Concen: 21.588 ug/l
 RT: 4.36 min Scan# 1017
 Delta R.T. -0.00 min
 Lab File: VU034513.D
 Acq: 12 Sep 2019 12:19

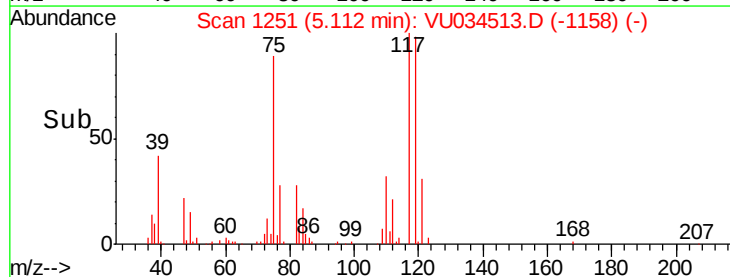
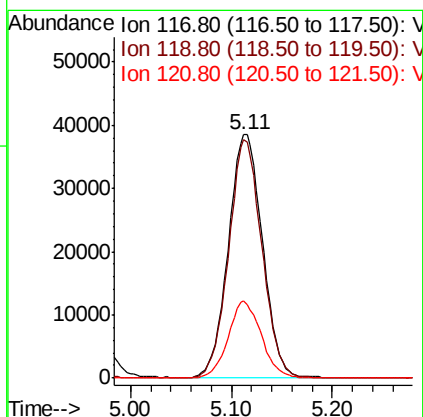
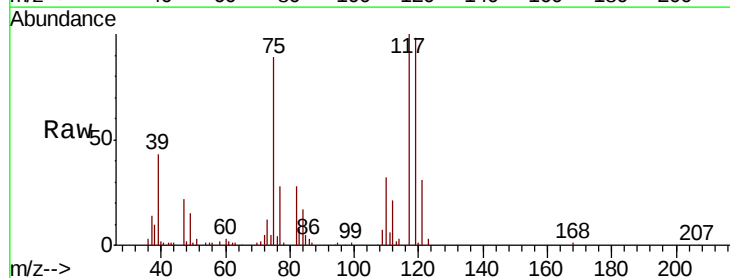
Instrument :
 MSVOA_U
 ClientSampleId :
 VU0912WBS02

Tgt Ion: 43 Resp: 96664
 Ion Ratio Lower Upper
 43 100
 61 14.6 12.3 18.5
 70 11.4 9.1 13.7



#38
 Carbon Tetrachloride
 Concen: 22.466 ug/l
 RT: 5.11 min Scan# 1251
 Delta R.T. -0.00 min
 Lab File: VU034513.D
 Acq: 12 Sep 2019 12:19

Tgt Ion: 117 Resp: 90844
 Ion Ratio Lower Upper
 117 100
 119 98.2 77.8 116.6
 121 31.5 25.2 37.8

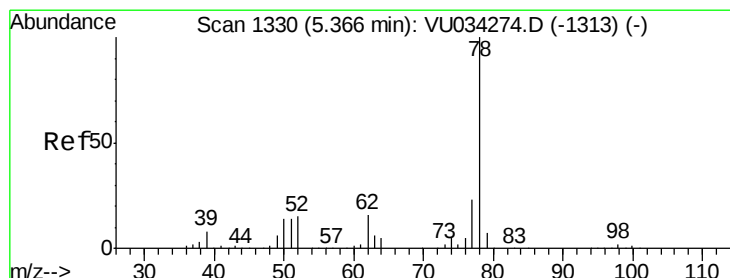
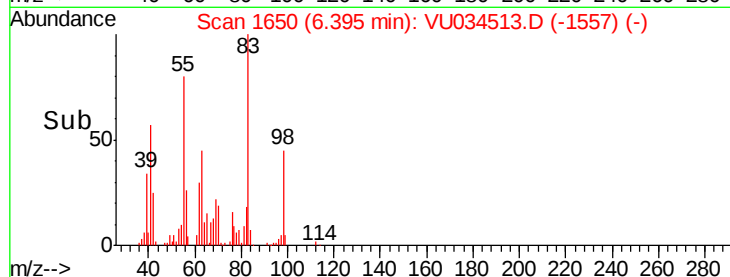
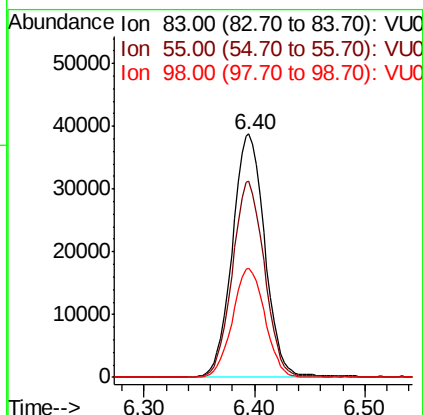
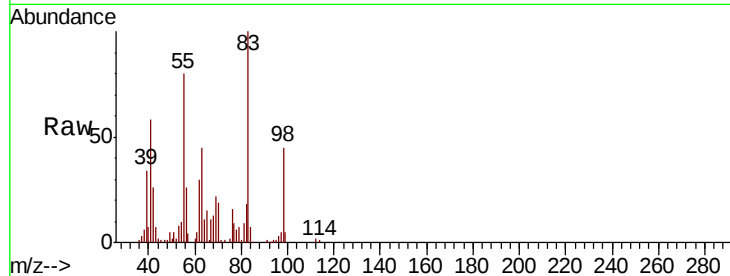




#39
Methylcyclohexane
Concen: 19.517 ug/l
RT: 6.40 min Scan# 1650
Delta R.T. -0.00 min
Lab File: VU034513.D
Acq: 12 Sep 2019 12:19

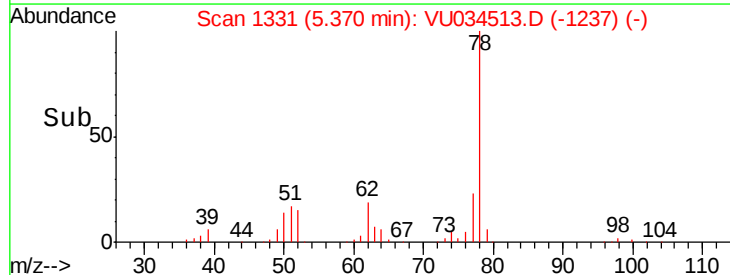
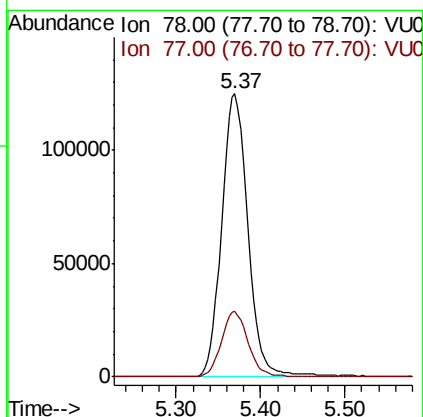
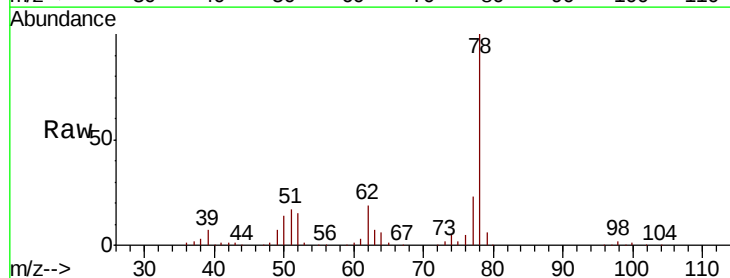
Instrument :
MSVOA_U
ClientSampleId :
VU0912WBS02

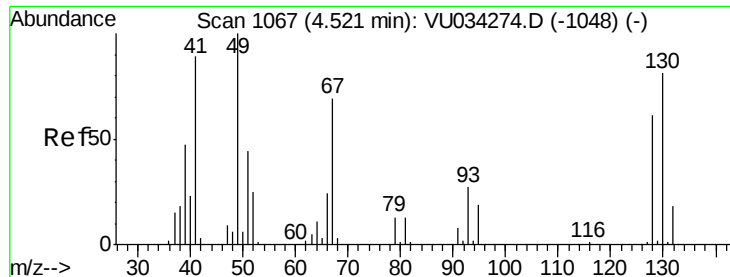
Tgt Ion: 83 Resp: 79015
Ion Ratio Lower Upper
83 100
55 80.5 62.1 93.1
98 44.8 37.0 55.6



#40
Benzene
Concen: 22.144 ug/l
RT: 5.37 min Scan# 1331
Delta R.T. 0.00 min
Lab File: VU034513.D
Acq: 12 Sep 2019 12:19

Tgt Ion: 78 Resp: 270614
Ion Ratio Lower Upper
78 100
77 23.1 18.7 28.1





#41

Methacrylonitrile

Concen: 22.775 ug/l

RT: 4.52 min Scan# 1068

Delta R.T. 0.00 min

Lab File: VU034513.D

Acq: 12 Sep 2019 12:19

Instrument :

MSVOA_U

ClientSampleId :

VU0912WBS02

Tgt Ion: 41 Resp: 54321

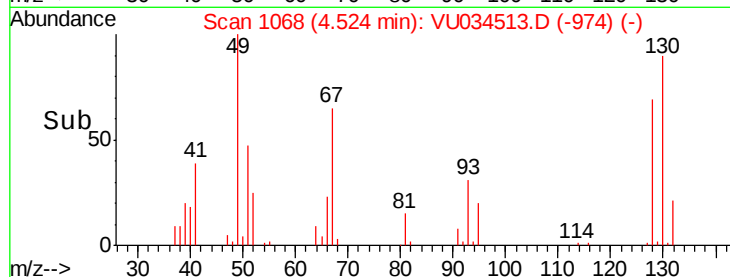
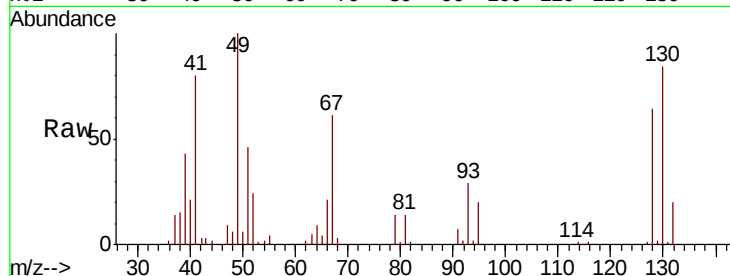
Ion Ratio Lower Upper

41 100

39 51.8 41.0 61.4

67 78.3 62.4 93.6

52 29.1 23.6 35.4

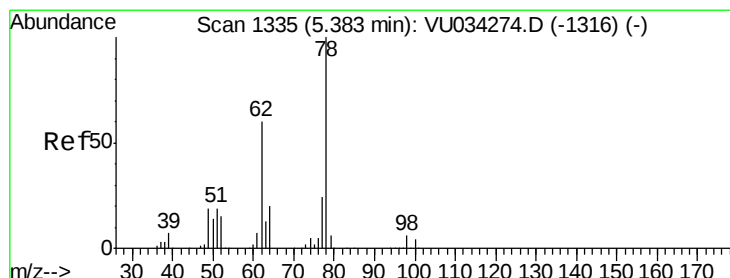
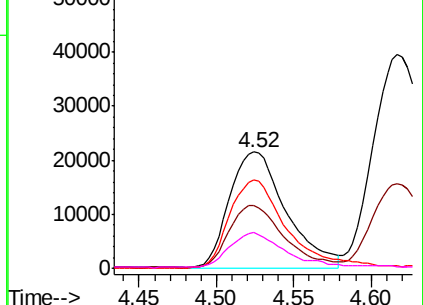


Abundance Ion 41.00 (40.70 to 41.70): VU0

Ion 39.00 (38.70 to 39.70): VU0

Ion 67.00 (66.70 to 67.70): VU0

Ion 52.00 (51.70 to 52.70): VU0



#42

1,2-Dichloroethane

Concen: 22.441 ug/l

RT: 5.39 min Scan# 1336

Delta R.T. 0.00 min

Lab File: VU034513.D

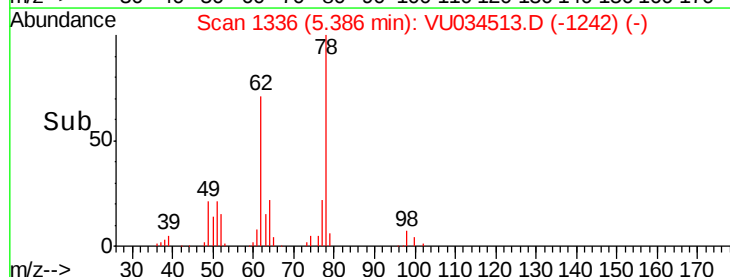
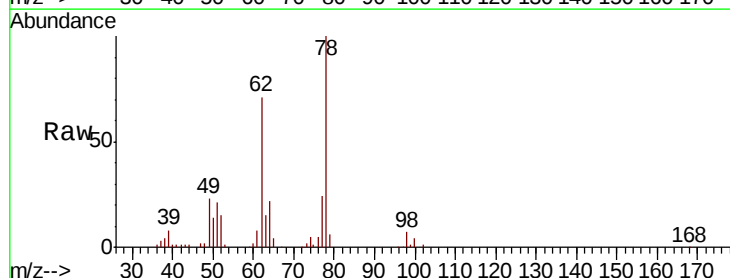
Acq: 12 Sep 2019 12:19

Tgt Ion: 62 Resp: 95215

Ion Ratio Lower Upper

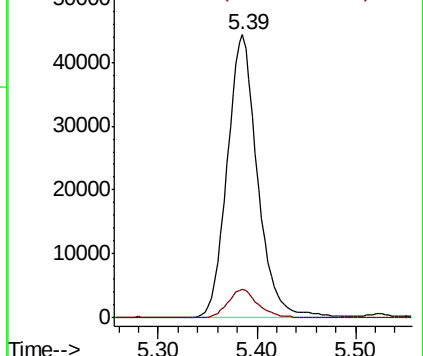
62 100

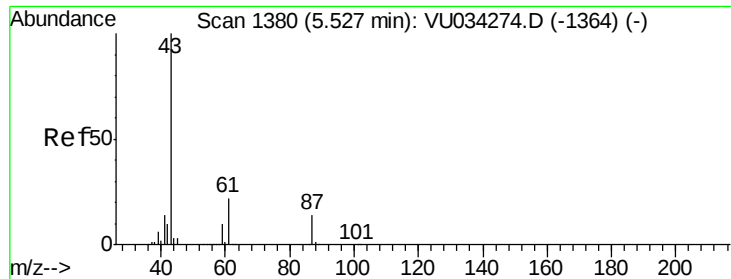
98 10.0 0.0 20.0



Abundance Ion 61.90 (61.60 to 62.60): VU0

Ion 97.90 (97.60 to 98.60): VU0





#43

Isopropyl Acetate

Concen: 21.829 ug/l

RT: 5.53 min Scan# 1381

Delta R.T. 0.00 min

Lab File: VU034513.D

Acq: 12 Sep 2019 12:19

Instrument :

MSVOA_U

ClientSampleId :

VU0912WBS02

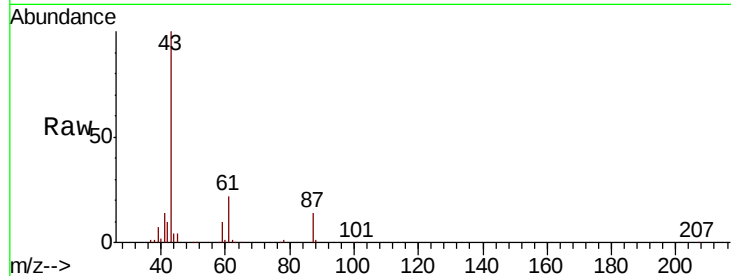
Tgt Ion: 43 Resp: 152482

Ion Ratio Lower Upper

43 100

61 22.3 17.1 25.7

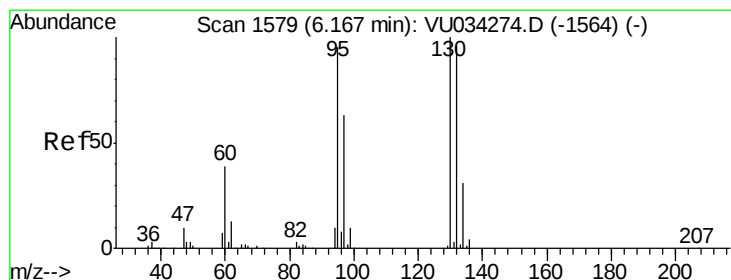
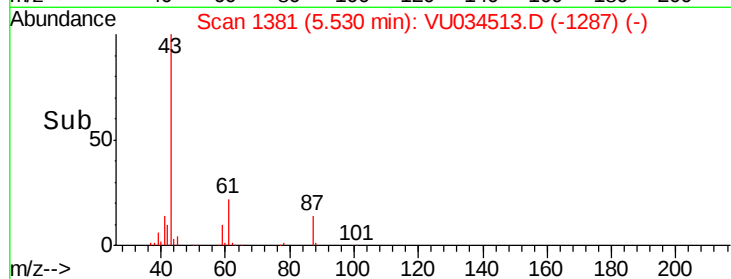
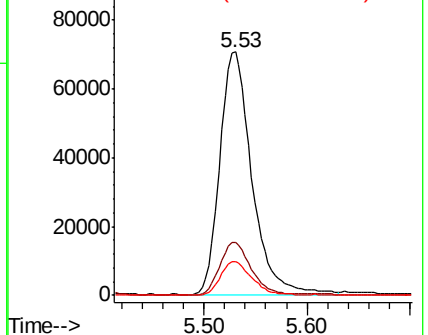
87 13.7 11.1 16.7



Abundance Ion 43.00 (42.70 to 43.70): VU034513.D (-1287) (-)

Ion 61.00 (60.70 to 61.70): VU034513.D (-1287) (-)

Ion 87.00 (86.70 to 87.70): VU034513.D (-1287) (-)



#44

Trichloroethene

Concen: 21.733 ug/l

RT: 6.17 min Scan# 1579

Delta R.T. -0.00 min

Lab File: VU034513.D

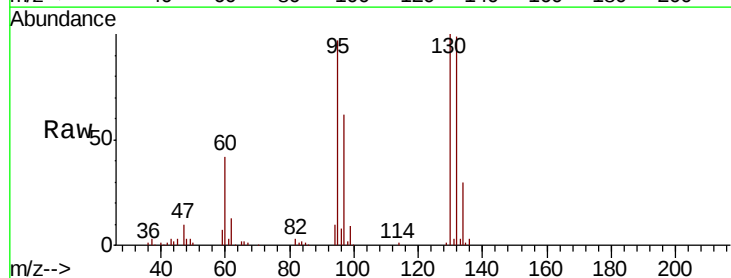
Acq: 12 Sep 2019 12:19

Tgt Ion: 130 Resp: 73494

Ion Ratio Lower Upper

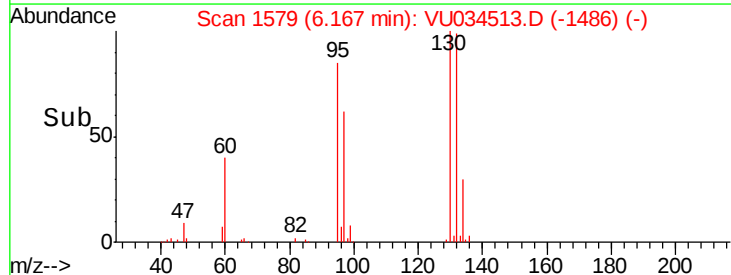
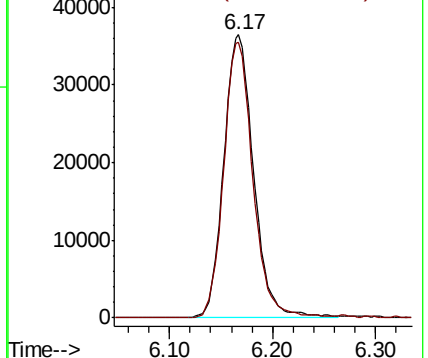
130 100

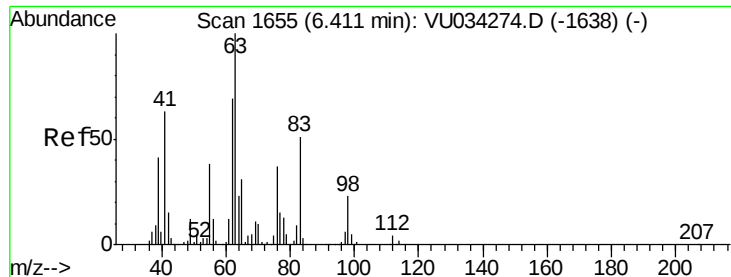
95 97.4 0.0 189.2



Abundance Ion 129.80 (129.50 to 130.50): VU034513.D (-1486) (-)

Ion 94.90 (94.60 to 95.60): VU034513.D (-1486) (-)





#45

1,2-Dichloropropane

Concen: 22.114 ug/l

RT: 6.41 min Scan# 1655

Delta R.T. -0.00 min

Lab File: VU034513.D

Acq: 12 Sep 2019 12:19

Instrument :

MSVOA_U

ClientSampleId :

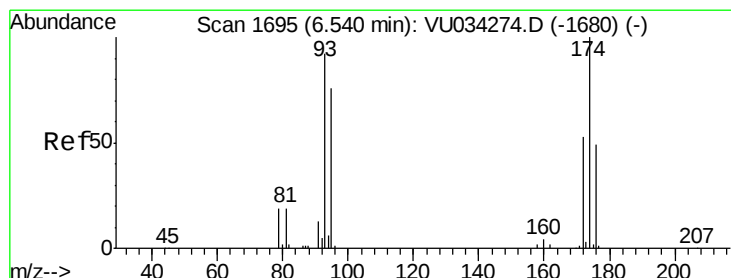
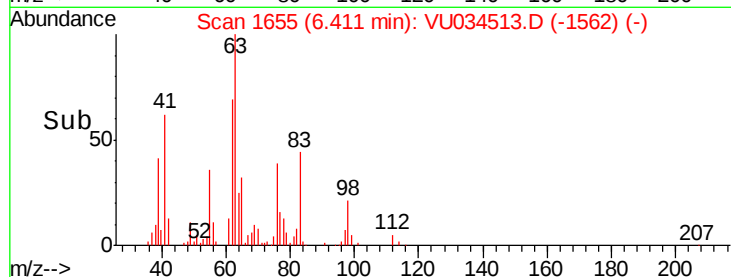
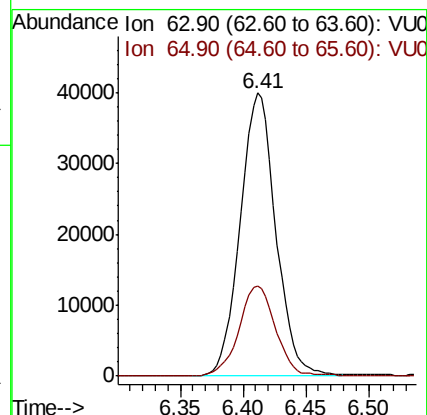
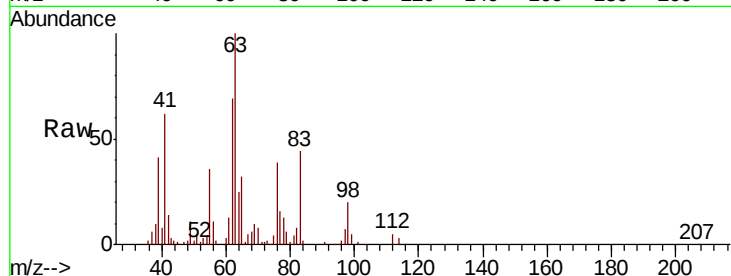
VU0912WBS02

Tgt Ion: 63 Resp: 79001

Ion Ratio Lower Upper

63 100

65 32.0 24.6 37.0



#46

Dibromomethane

Concen: 22.715 ug/l

RT: 6.54 min Scan# 1695

Delta R.T. -0.00 min

Lab File: VU034513.D

Acq: 12 Sep 2019 12:19

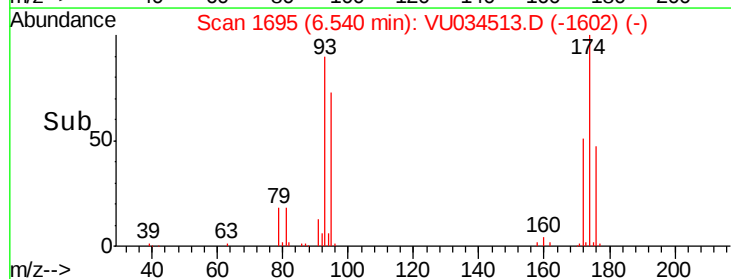
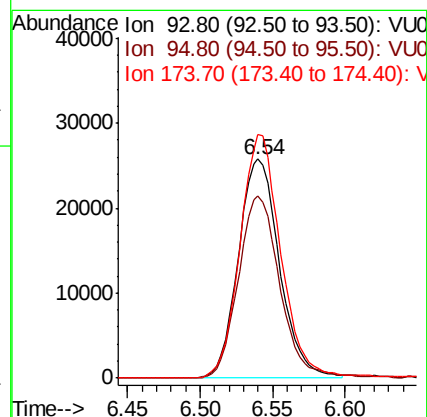
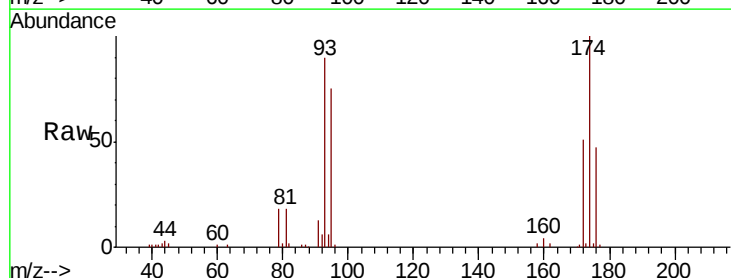
Tgt Ion: 93 Resp: 50938

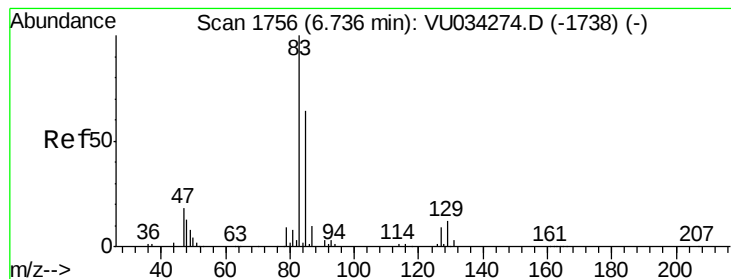
Ion Ratio Lower Upper

93 100

95 83.8 66.5 99.7

174 109.7 87.8 131.6





#47

Bromodichloromethane

Concen: 22.814 ug/l

RT: 6.74 min Scan# 1756

Delta R.T. -0.00 min

Lab File: VU034513.D

Acq: 12 Sep 2019 12:19

Instrument :

MSVOA_U

ClientSampleId :

VU0912WBS02

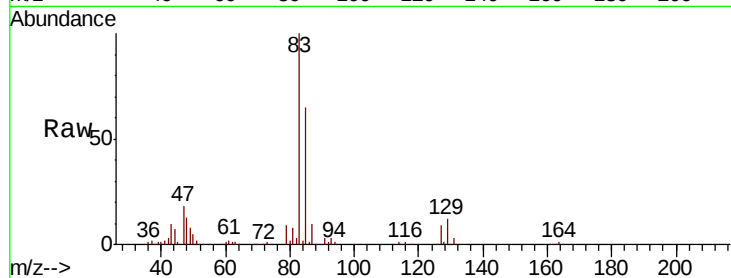
Tgt Ion: 83 Resp: 105309

Ion Ratio Lower Upper

83 100

85 64.8 51.1 76.7

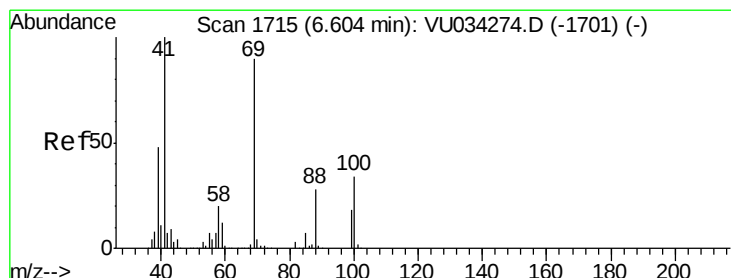
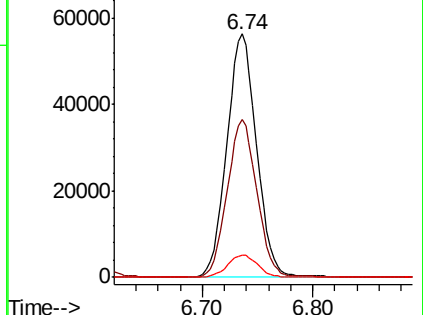
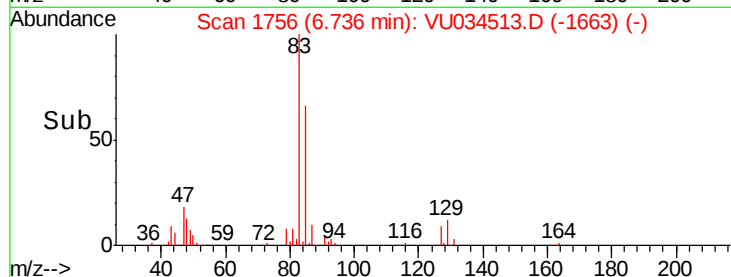
127 9.2 7.2 10.8



Abundance Ion 82.90 (82.60 to 83.60): VU034513.D (-1663) (-)

Ion 84.90 (84.60 to 85.60): VU034513.D (-1663) (-)

Ion 126.80 (126.50 to 127.50): VU034513.D (-1663) (-)



#48

Methyl methacrylate

Concen: 21.216 ug/l

RT: 6.60 min Scan# 1715

Delta R.T. -0.00 min

Lab File: VU034513.D

Acq: 12 Sep 2019 12:19

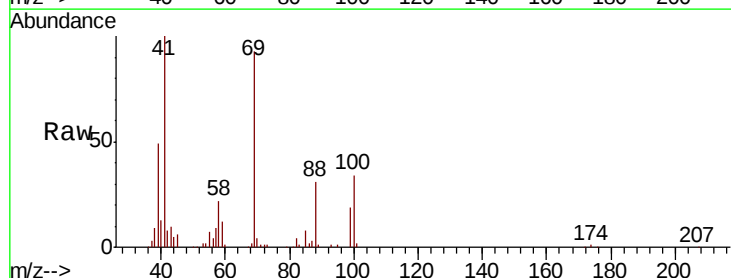
Tgt Ion: 41 Resp: 70386

Ion Ratio Lower Upper

41 100

69 92.9 72.8 109.2

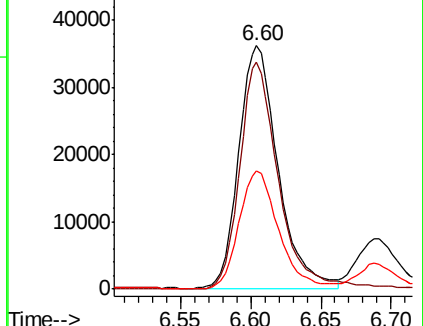
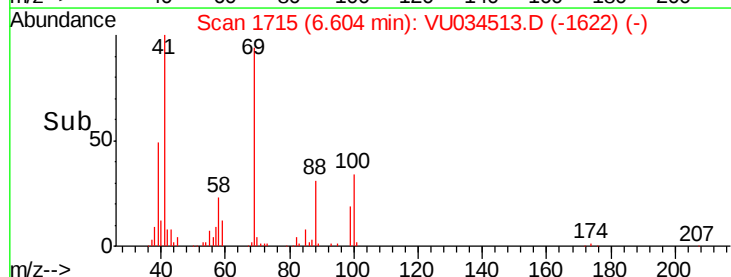
39 48.8 38.6 58.0

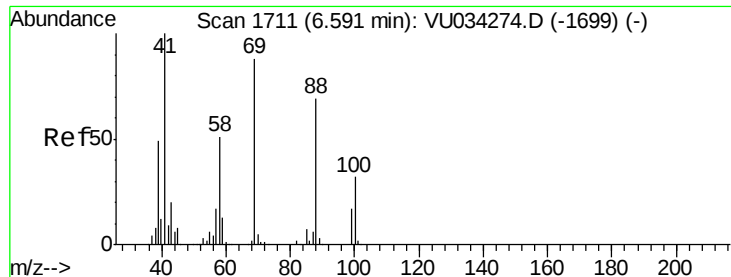


Abundance Ion 41.00 (40.70 to 41.70): VU034513.D (-1622) (-)

Ion 69.00 (68.70 to 69.70): VU034513.D (-1622) (-)

Ion 39.00 (38.70 to 39.70): VU034513.D (-1622) (-)

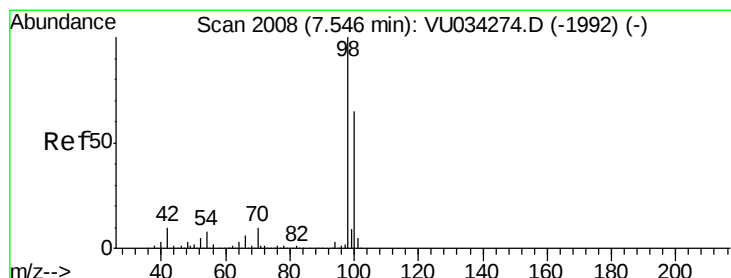
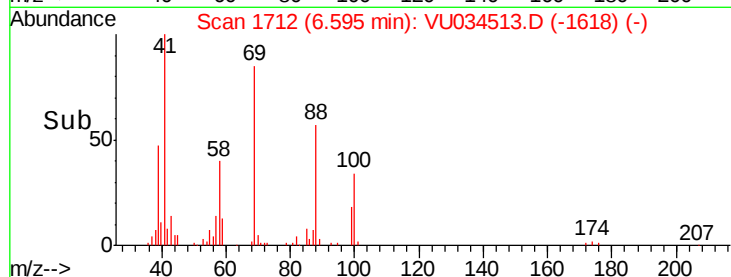
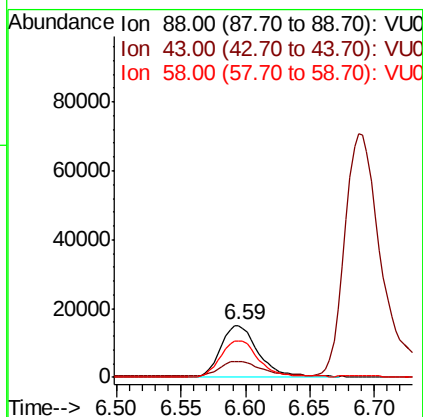
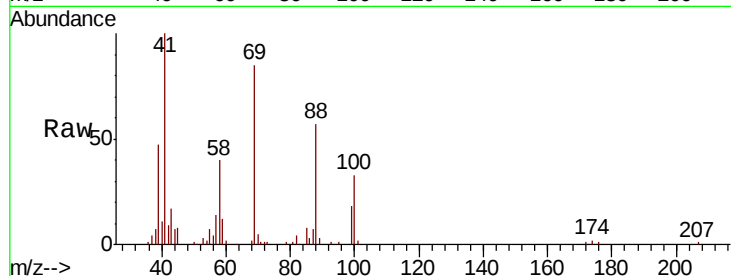




#49
 1,4-Dioxane
 Concen: 425.725 ug/l
 RT: 6.59 min Scan# 1712
 Delta R.T. 0.00 min
 Lab File: VU034513.D
 Acq: 12 Sep 2019 12:19

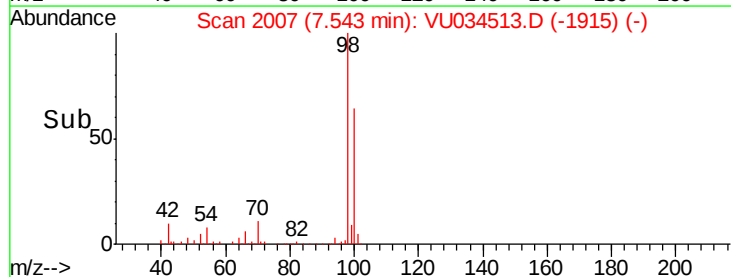
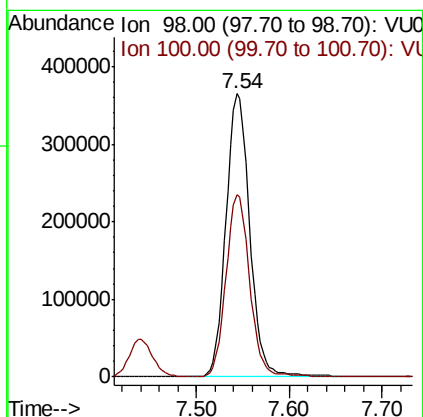
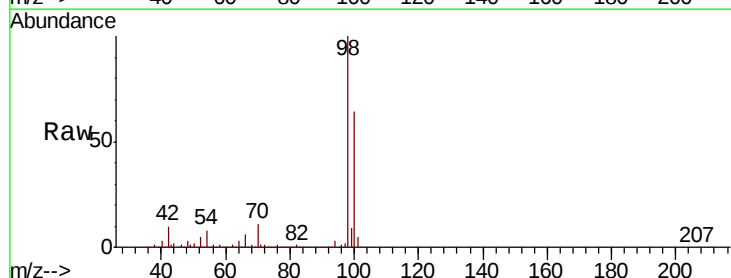
Instrument :
 MSVOA_U
 ClientSampleId :
 VU0912WBS02

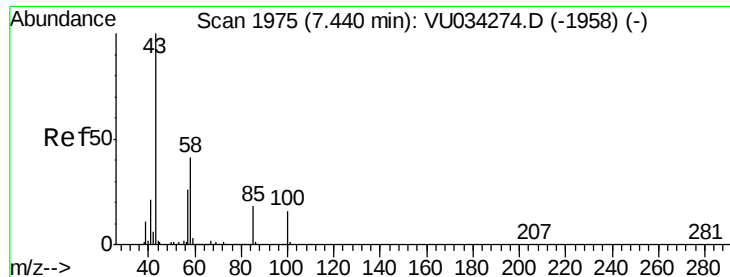
Tgt Ion: 88 Resp: 30842
 Ion Ratio Lower Upper
 88 100
 43 30.4 23.8 35.6
 58 72.0 58.4 87.6



#50
 Toluene-d8
 Concen: 53.393 ug/l
 RT: 7.54 min Scan# 2007
 Delta R.T. -0.00 min
 Lab File: VU034513.D
 Acq: 12 Sep 2019 12:19

Tgt Ion: 98 Resp: 651818
 Ion Ratio Lower Upper
 98 100
 100 63.4 51.7 77.5





#51

4-Methyl-2-Pentanone

Concen: 112.424 ug/l

RT: 7.44 min Scan# 1975

Delta R.T. -0.00 min

Lab File: VU034513.D

Acq: 12 Sep 2019 12:19

Instrument :

MSVOA_U

ClientSampleId :

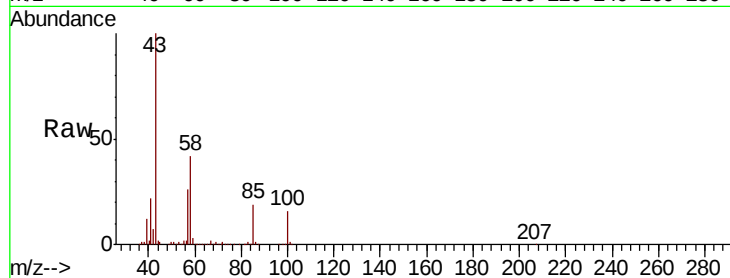
VU0912WBS02

Tgt Ion: 43 Resp: 543581

Ion Ratio Lower Upper

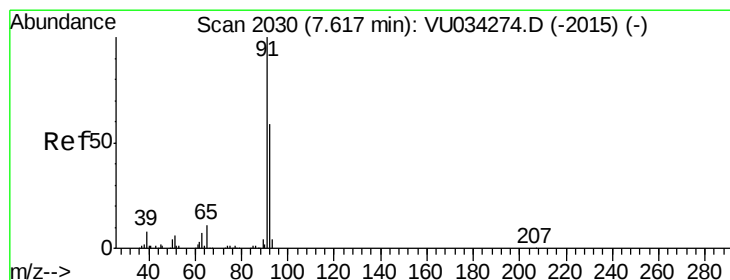
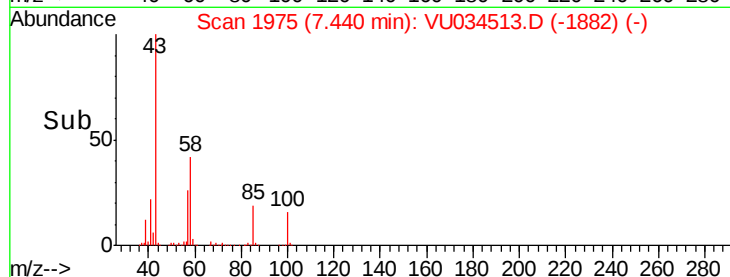
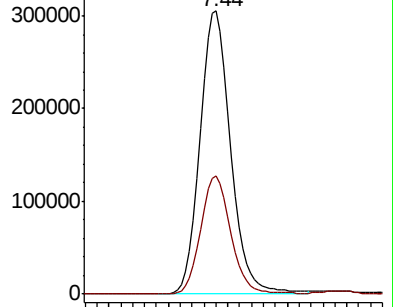
43 100

58 41.3 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) (-)



#52

Toluene

Concen: 22.226 ug/l

RT: 7.62 min Scan# 2030

Delta R.T. -0.00 min

Lab File: VU034513.D

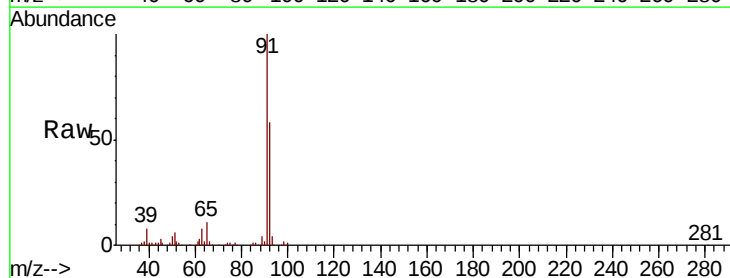
Acq: 12 Sep 2019 12:19

Tgt Ion: 92 Resp: 170380

Ion Ratio Lower Upper

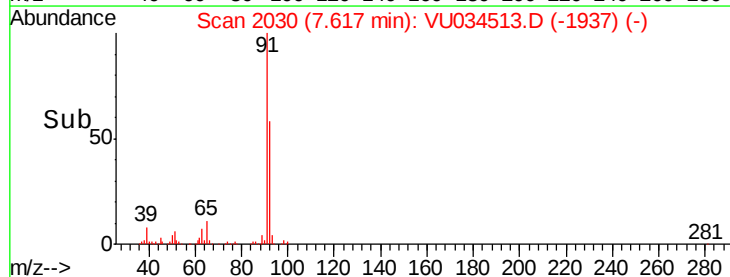
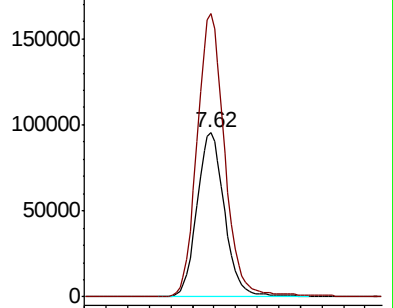
92 100

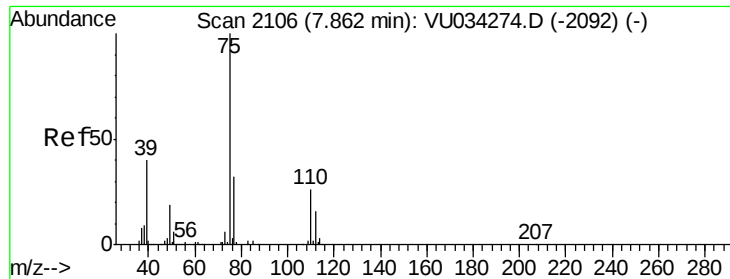
91 172.9 136.6 205.0



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

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





#53

t-1,3-Dichloropropene

Concen: 22.237 ug/l

RT: 7.86 min Scan# 2106

Delta R.T. -0.00 min

Lab File: VU034513.D

Acq: 12 Sep 2019 12:19

Instrument :

MSVOA_U

ClientSampleId :

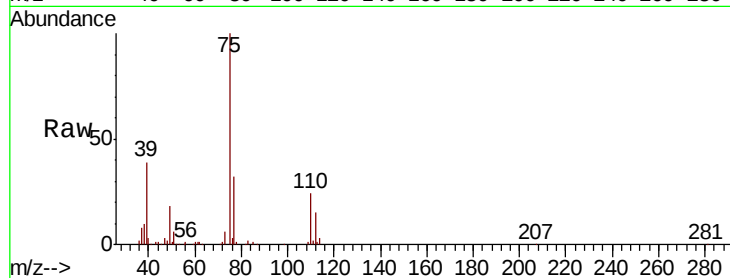
VU0912WBS02

Tgt Ion: 75 Resp: 106403

Ion Ratio Lower Upper

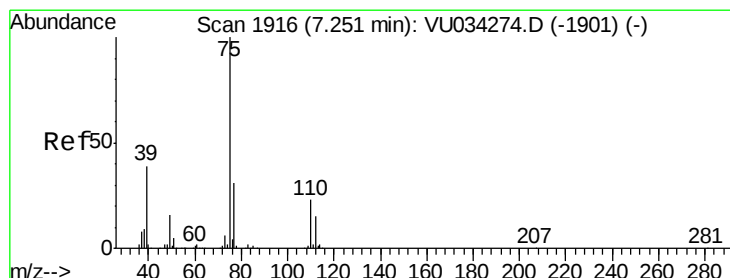
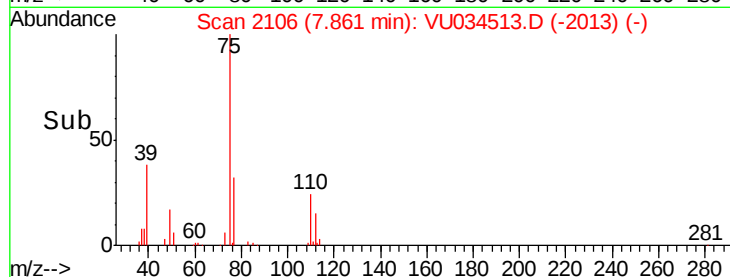
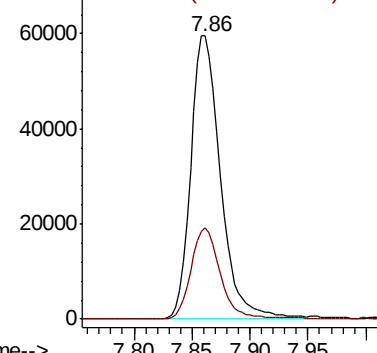
75 100

77 32.1 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: 22.194 ug/l

RT: 7.25 min Scan# 1916

Delta R.T. -0.00 min

Lab File: VU034513.D

Acq: 12 Sep 2019 12:19

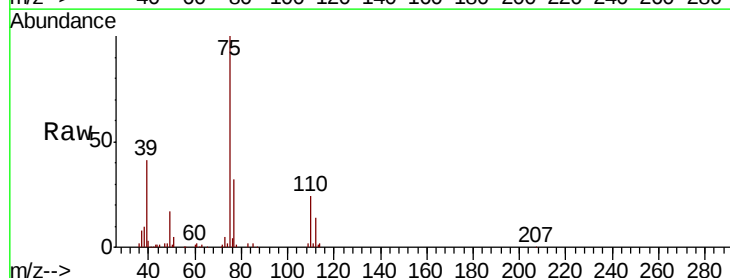
Tgt Ion: 75 Resp: 116558

Ion Ratio Lower Upper

75 100

77 31.9 25.1 37.7

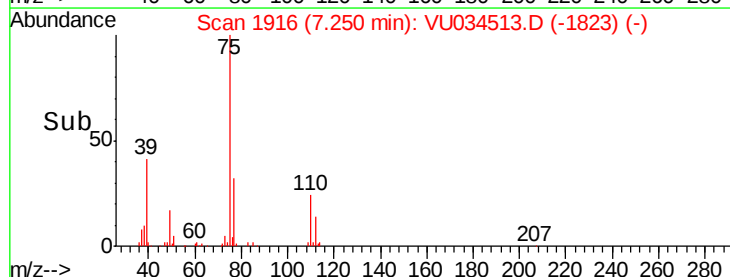
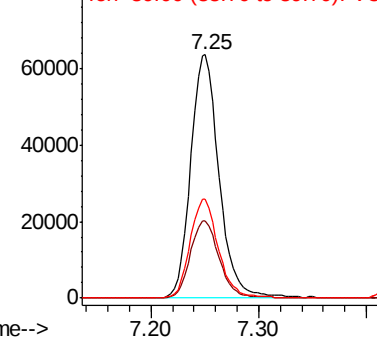
39 40.7 31.2 46.8

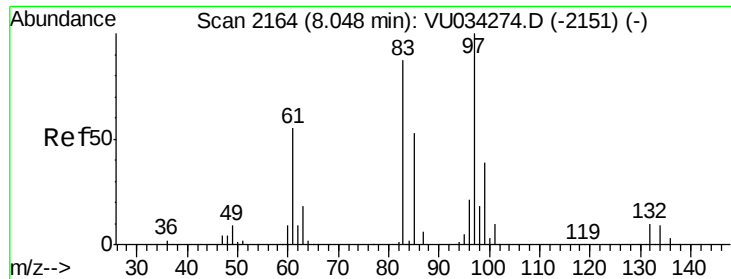


Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 76.90 (76.60 to 77.60): VU0

Ion 39.00 (38.70 to 39.70): VU0

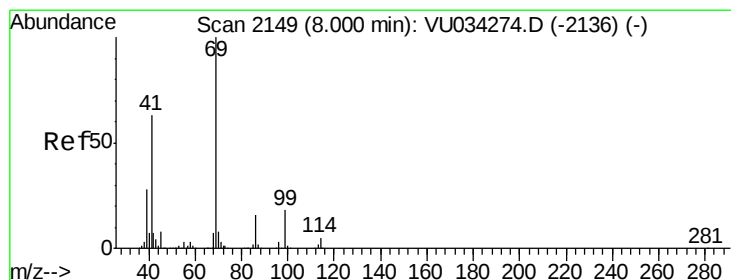
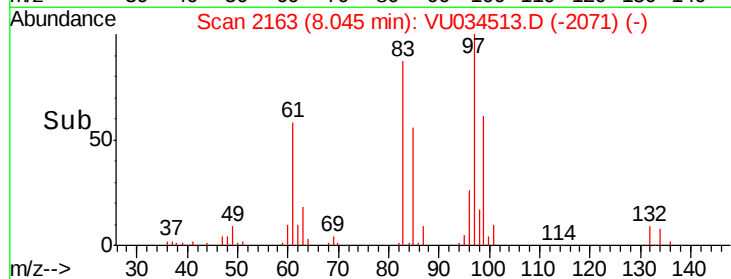
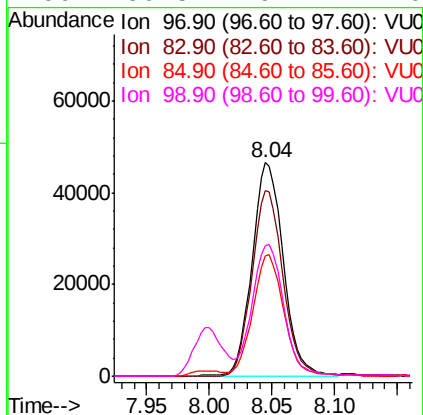
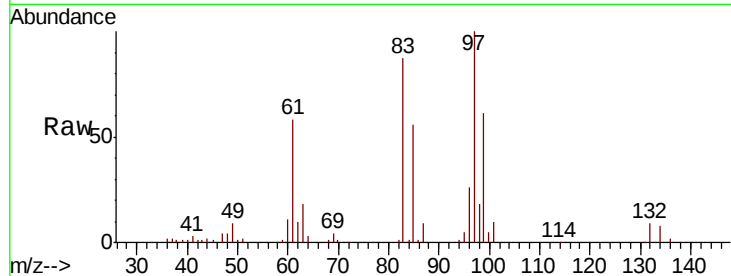




#55
 1,1,2-Trichloroethane
 Concen: 23.270 ug/l
 RT: 8.04 min Scan# 2163
 Delta R.T. -0.00 min
 Lab File: VU034513.D
 Acq: 12 Sep 2019 12:19

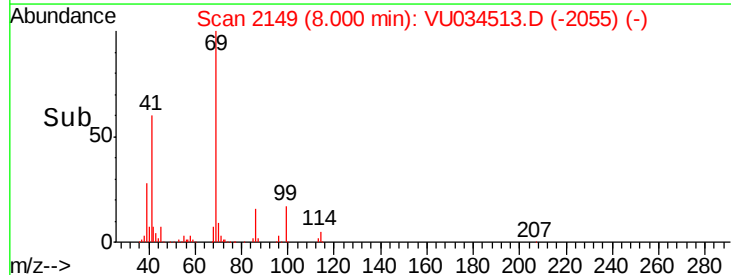
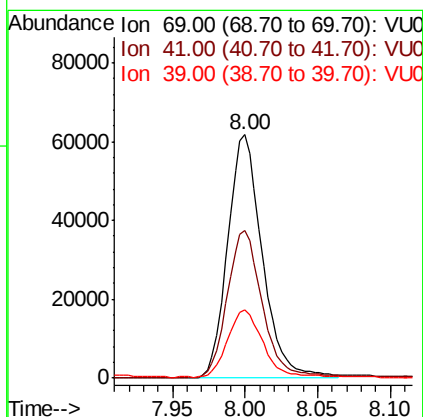
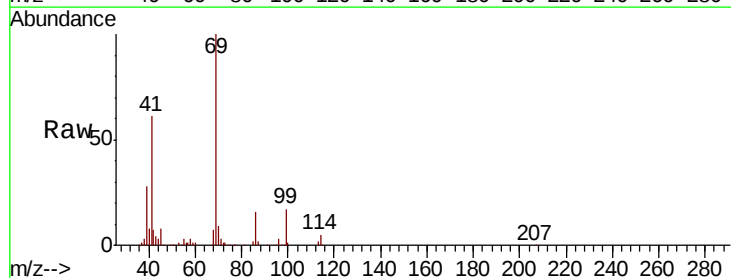
Instrument :
 MSVOA_U
 ClientSampleId :
 VU0912WBS02

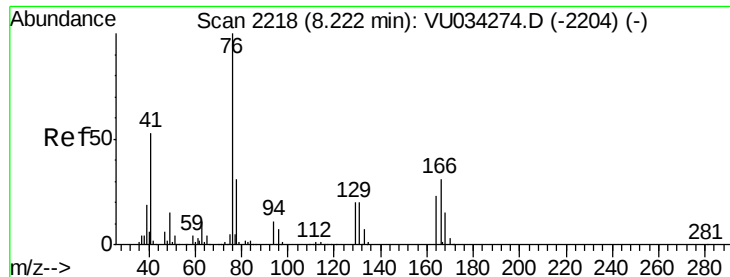
Tgt Ion:	97	Resp:	81000
Ion	Ratio	Lower	Upper
97	100		
83	86.8	69.0	103.6
85	55.6	44.2	66.2
99	60.5	49.4	74.0



#56
 Ethyl methacrylate
 Concen: 21.235 ug/l
 RT: 8.00 min Scan# 2149
 Delta R.T. 0.00 min
 Lab File: VU034513.D
 Acq: 12 Sep 2019 12:19

Tgt Ion:	69	Resp:	102325
Ion	Ratio	Lower	Upper
69	100		
41	61.9	49.5	74.3
39	27.9	22.5	33.7





#57

1,3-Dichloropropane

Concen: 22.282 ug/l

RT: 8.22 min Scan# 2218

Delta R.T. -0.00 min

Lab File: VU034513.D

Acq: 12 Sep 2019 12:19

Instrument :

MSVOA_U

ClientSampleId :

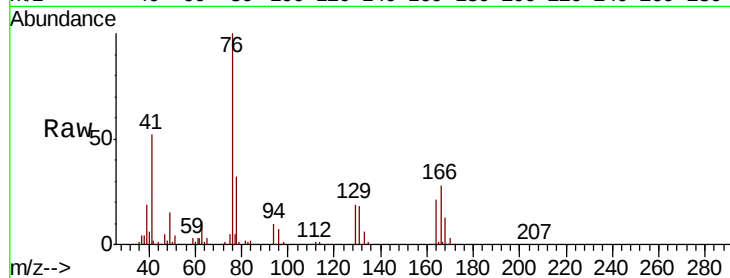
VU0912WBS02

Tgt Ion: 76 Resp: 126295

Ion Ratio Lower Upper

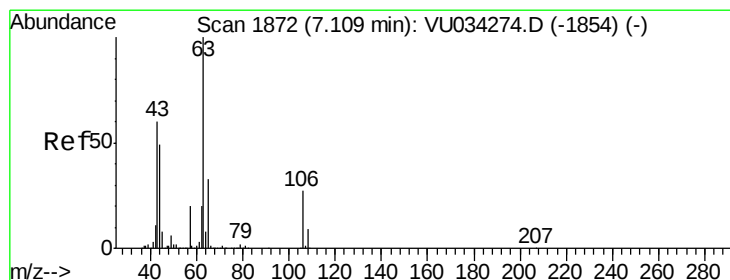
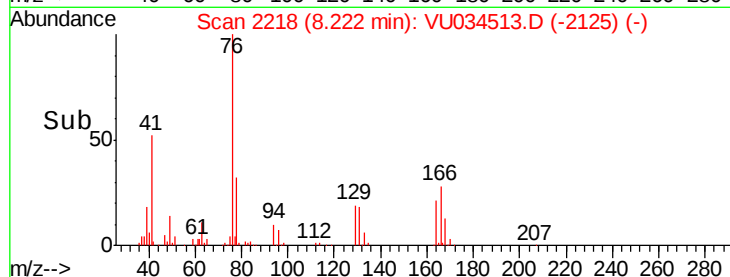
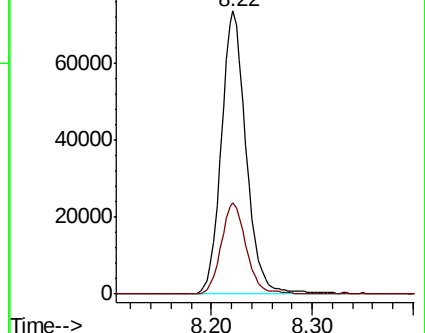
76 100

78 32.6 25.4 38.2



Abundance Ion 75.90 (75.60 to 76.60): VU034274.D (-2204) (-)

Ion 77.90 (77.60 to 78.60): VU034274.D (-2204) (-)



#58

2-Chloroethyl Vinyl ether

Concen: 102.384 ug/l

RT: 7.11 min Scan# 1872

Delta R.T. 0.00 min

Lab File: VU034513.D

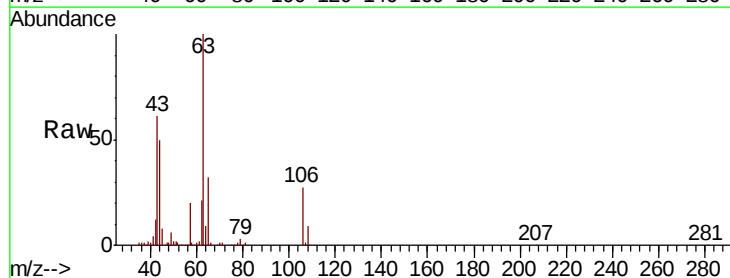
Acq: 12 Sep 2019 12:19

Tgt Ion: 63 Resp: 164382

Ion Ratio Lower Upper

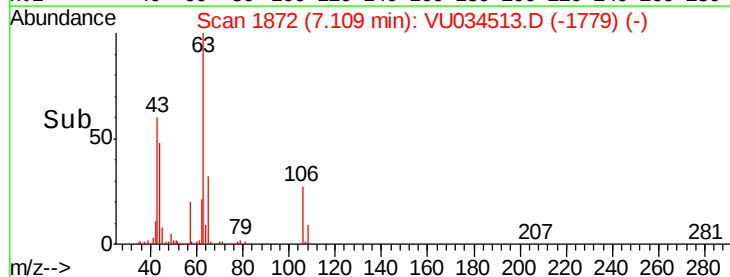
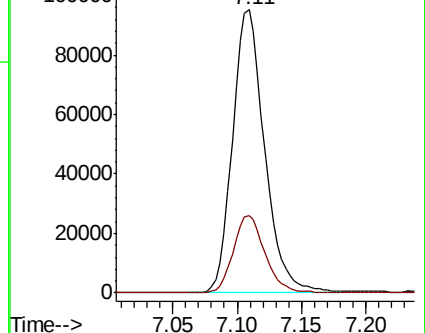
63 100

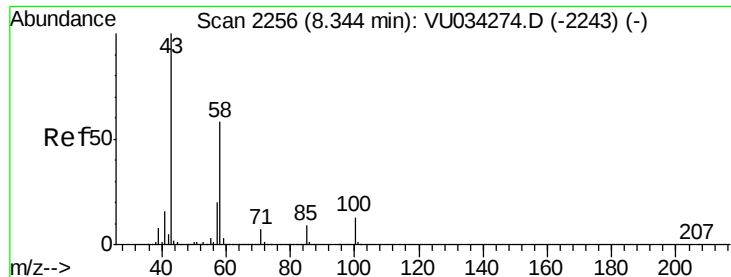
106 27.0 21.6 32.4



Abundance Ion 62.90 (62.60 to 63.60): VU034274.D (-1854) (-)

Ion 105.90 (105.60 to 106.60): VU034274.D (-1854) (-)

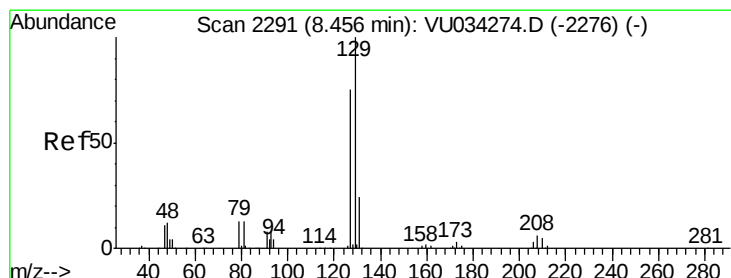
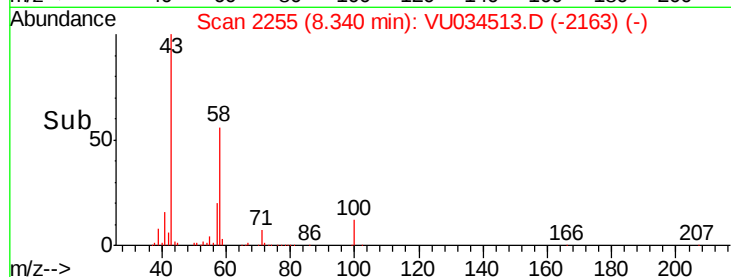
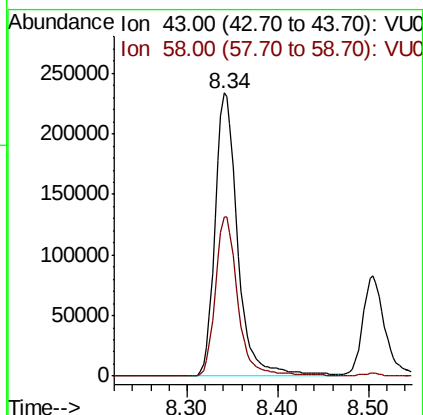
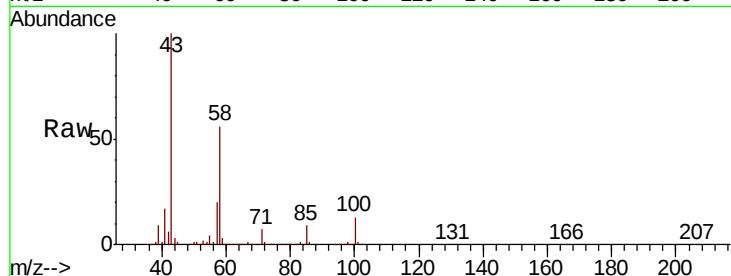




#59
2-Hexanone
Concen: 111.592 ug/l
RT: 8.34 min Scan# 2255
Delta R.T. -0.00 min
Lab File: VU034513.D
Acq: 12 Sep 2019 12:19

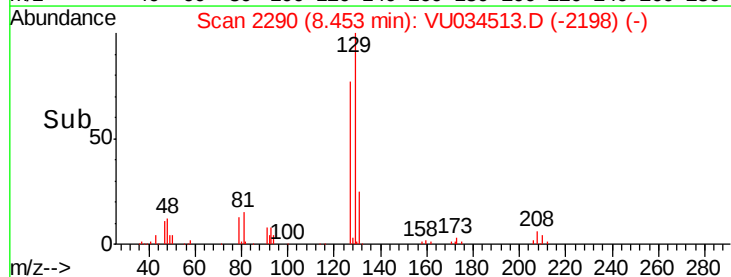
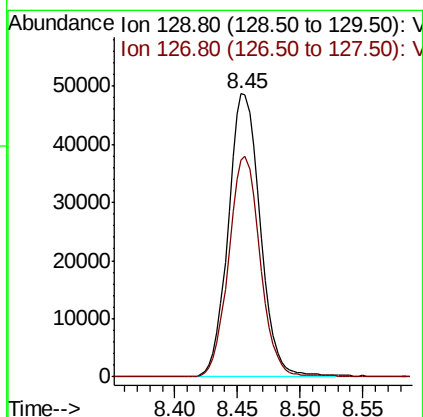
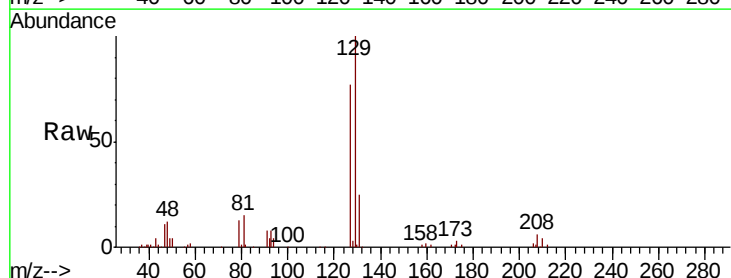
Instrument :
MSVOA_U
ClientSampleId :
VU0912WBS02

Tgt Ion: 43 Resp: 403081
Ion Ratio Lower Upper
43 100
58 55.5 28.8 86.5



#60
Dibromochloromethane
Concen: 23.124 ug/l
RT: 8.45 min Scan# 2290
Delta R.T. -0.00 min
Lab File: VU034513.D
Acq: 12 Sep 2019 12:19

Tgt Ion: 129 Resp: 86335
Ion Ratio Lower Upper
129 100
127 76.6 37.9 113.7





#61

1,2-Dibromoethane

Concen: 22.749 ug/l

RT: 8.57 min Scan# 2325

Delta R.T. -0.00 min

Lab File: VU034513.D

Acq: 12 Sep 2019 12:19

Instrument :

MSVOA_U

ClientSampleId :

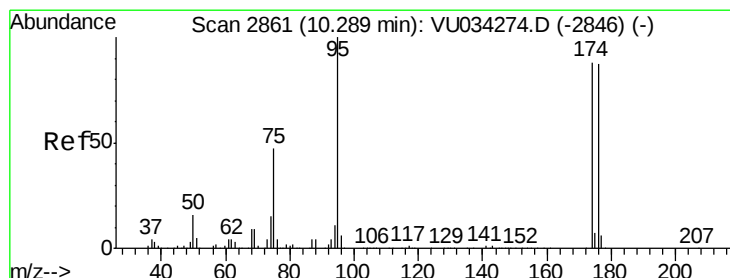
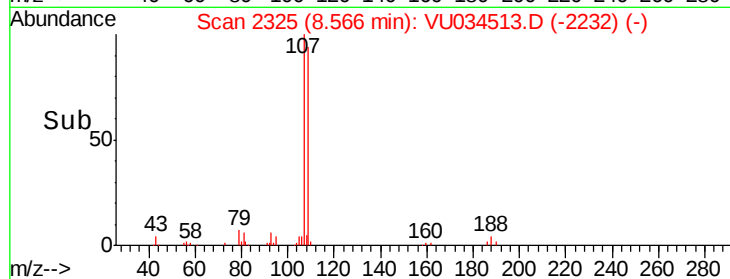
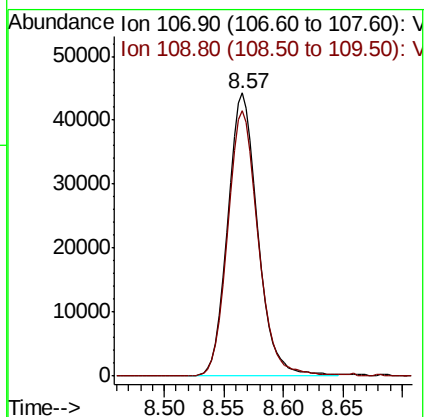
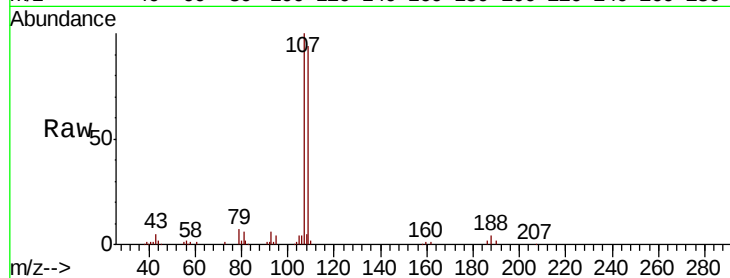
VU0912WBS02

Tgt Ion: 107 Resp: 77505

Ion Ratio Lower Upper

107 100

109 95.3 75.0 112.6



#62

4-Bromofluorobenzene

Concen: 51.110 ug/l

RT: 10.29 min Scan# 2860

Delta R.T. -0.00 min

Lab File: VU034513.D

Acq: 12 Sep 2019 12:19

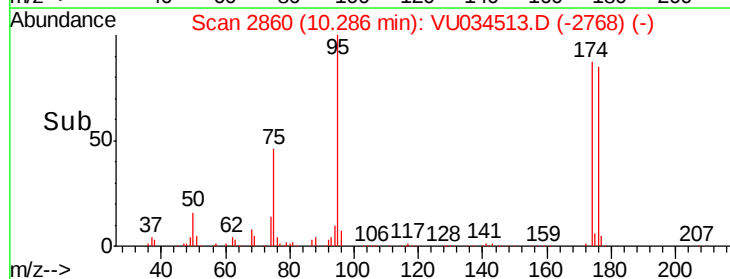
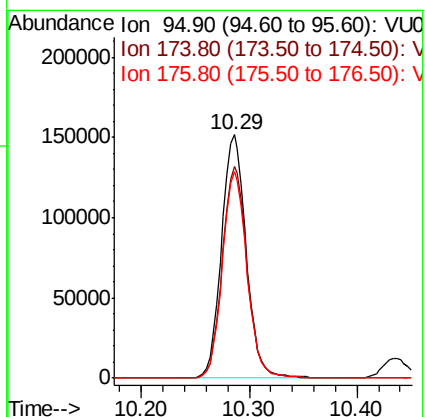
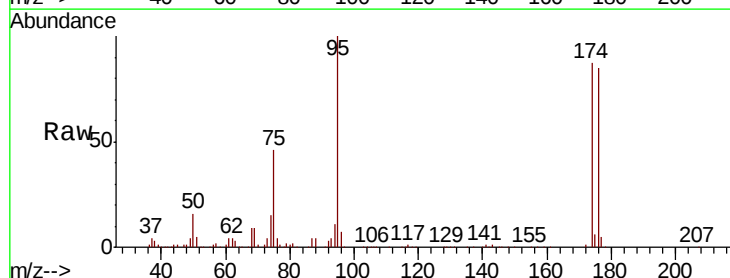
Tgt Ion: 95 Resp: 240902

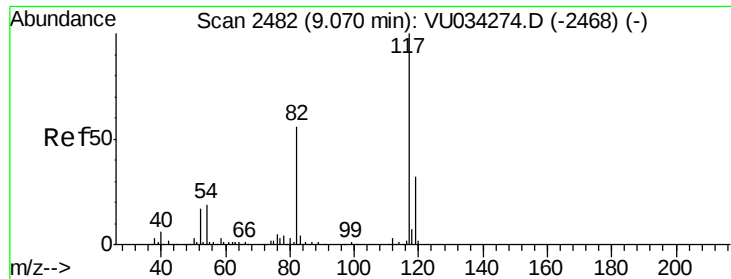
Ion Ratio Lower Upper

95 100

174 87.7 0.0 175.2

176 84.6 0.0 168.0

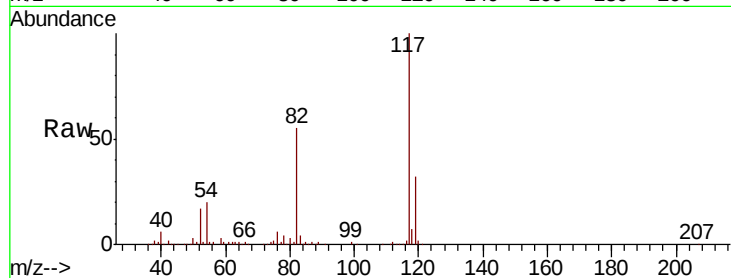




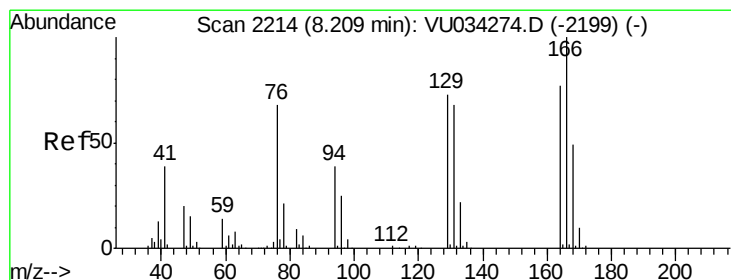
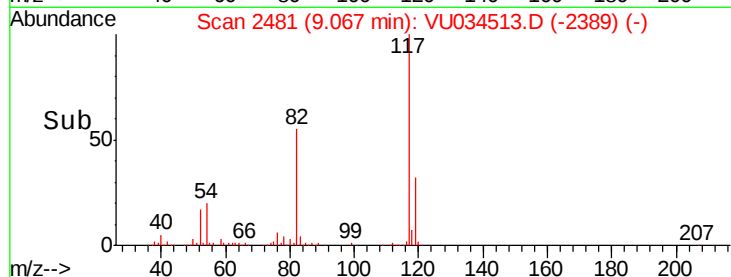
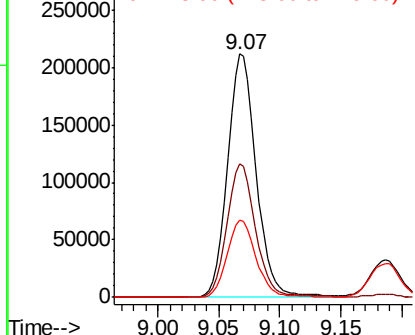
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.07 min Scan# 2481
Delta R.T. -0.00 min
Lab File: VU034513.D
Acq: 12 Sep 2019 12:19

Instrument :
MSVOA_U
ClientSampleId :
VU0912WBS02

Tgt Ion:117 Resp: 347896
Ion Ratio Lower Upper
117 100
82 55.1 44.6 67.0
119 31.6 25.9 38.9

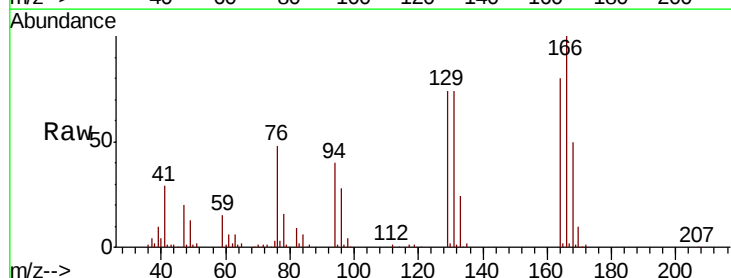


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

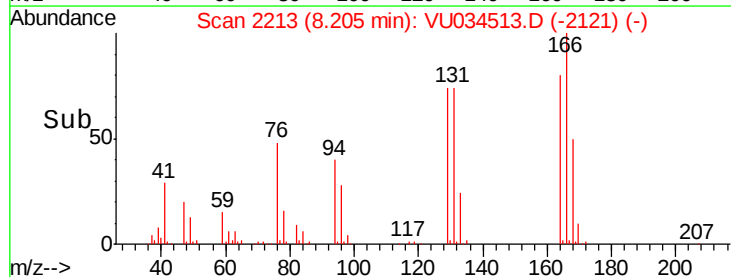
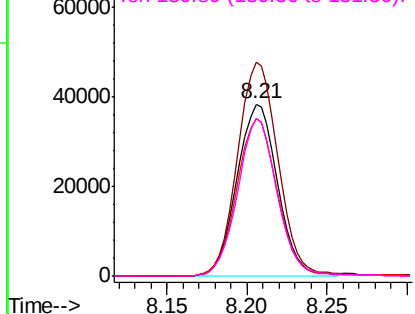


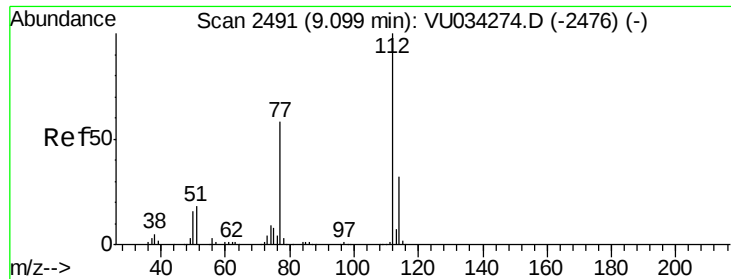
#64
Tetrachloroethene
Concen: 21.960 ug/l
RT: 8.21 min Scan# 2213
Delta R.T. -0.00 min
Lab File: VU034513.D
Acq: 12 Sep 2019 12:19

Tgt Ion:164 Resp: 66279
Ion Ratio Lower Upper
164 100
166 124.3 103.7 155.5
129 91.8 75.8 113.8
131 91.9 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

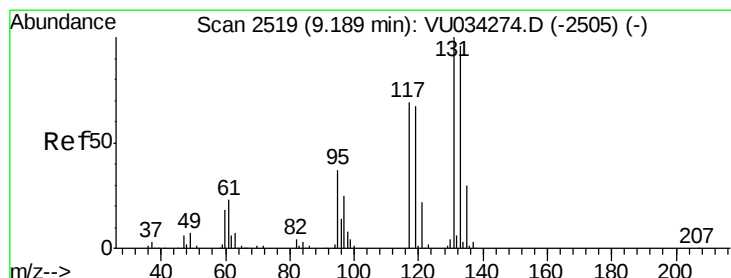
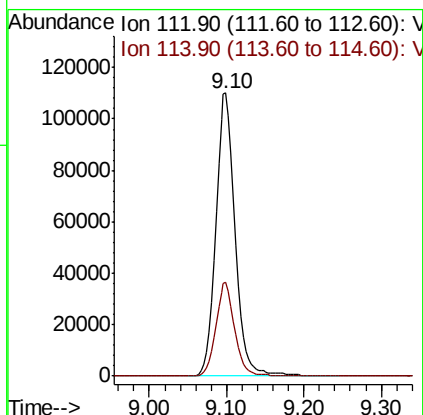
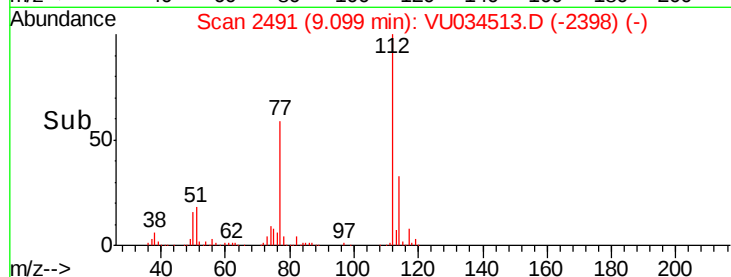
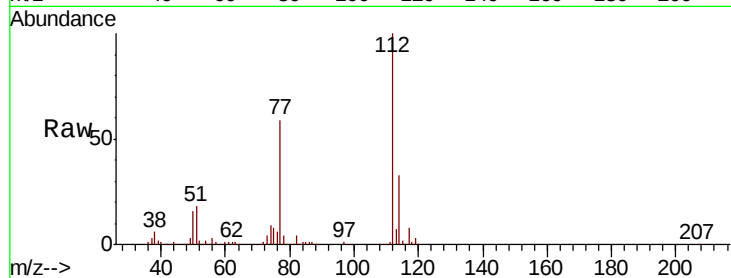




#65
Chlorobenzene
Concen: 22.008 ug/l
RT: 9.10 min Scan# 2491
Delta R.T. -0.00 min
Lab File: VU034513.D
Acq: 12 Sep 2019 12:19

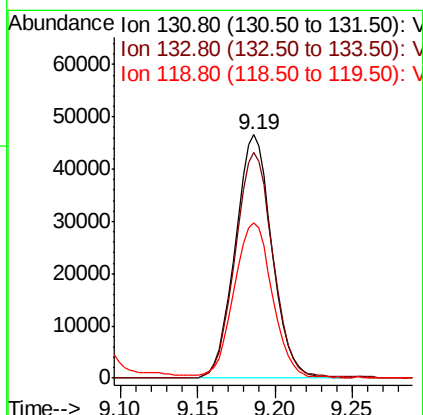
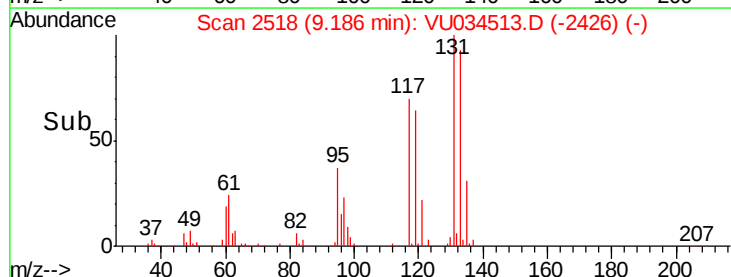
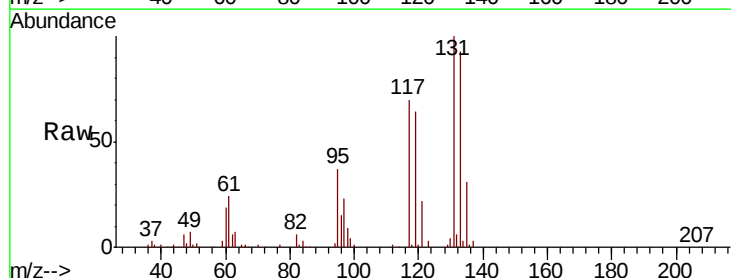
Instrument :
MSVOA_U
ClientSampleId :
VU0912WBS02

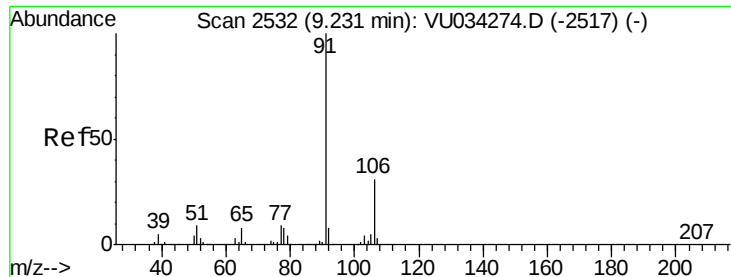
Tgt Ion:112 Resp: 194250
Ion Ratio Lower Upper
112 100
114 33.0 25.9 38.9



#66
1,1,1,2-Tetrachloroethane
Concen: 22.745 ug/l
RT: 9.19 min Scan# 2518
Delta R.T. -0.00 min
Lab File: VU034513.D
Acq: 12 Sep 2019 12:19

Tgt Ion:131 Resp: 76614
Ion Ratio Lower Upper
131 100
133 95.4 47.9 143.7
119 66.2 33.1 99.5

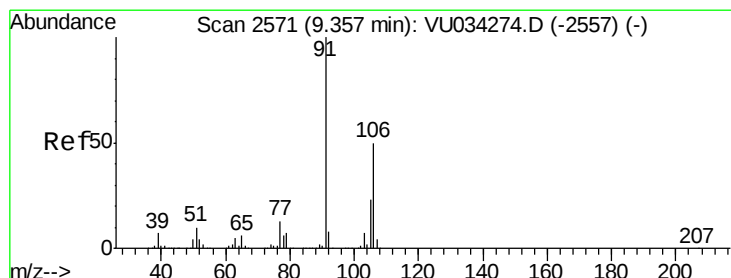
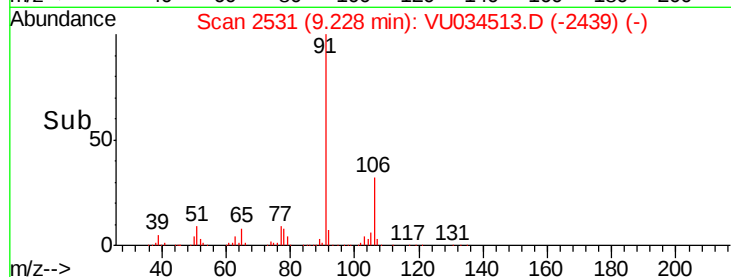
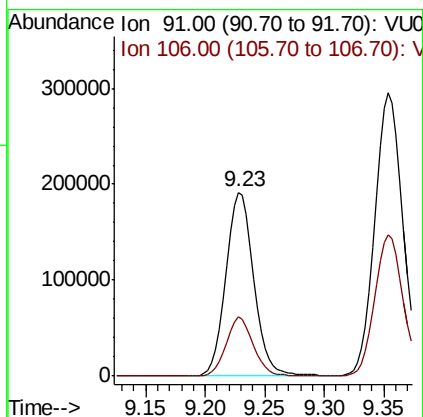
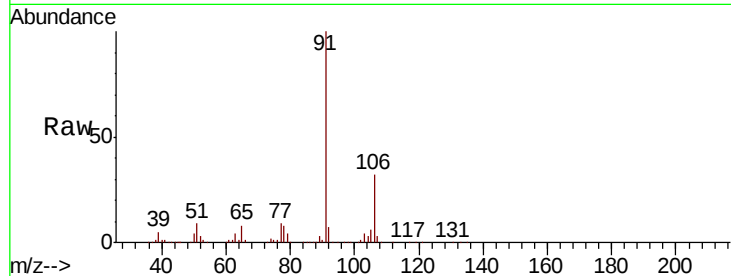




#67
Ethyl Benzene
Concen: 21.680 ug/l
RT: 9.23 min Scan# 2531
Delta R.T. -0.00 min
Lab File: VU034513.D
Acq: 12 Sep 2019 12:19

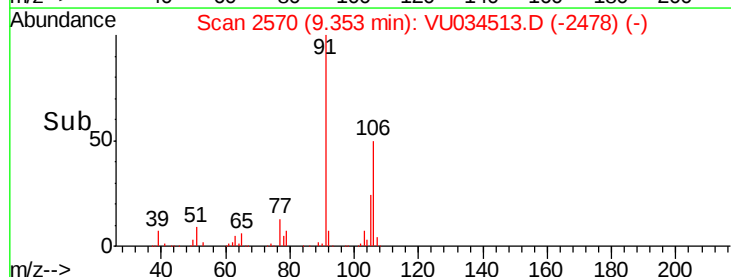
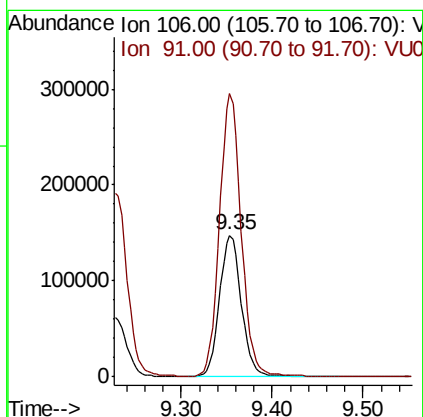
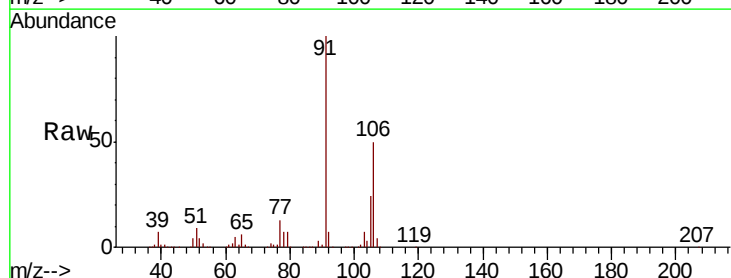
Instrument :
MSVOA_U
ClientSampleId :
VU0912WBS02

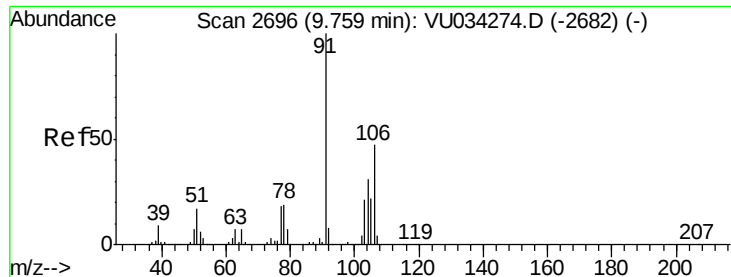
Tgt Ion: 91 Resp: 312879
Ion Ratio Lower Upper
91 100
106 32.2 24.8 37.2



#68
m/p-Xylenes
Concen: 45.296 ug/l
RT: 9.35 min Scan# 2570
Delta R.T. -0.00 min
Lab File: VU034513.D
Acq: 12 Sep 2019 12:19

Tgt Ion: 106 Resp: 246155
Ion Ratio Lower Upper
106 100
91 198.4 160.1 240.1

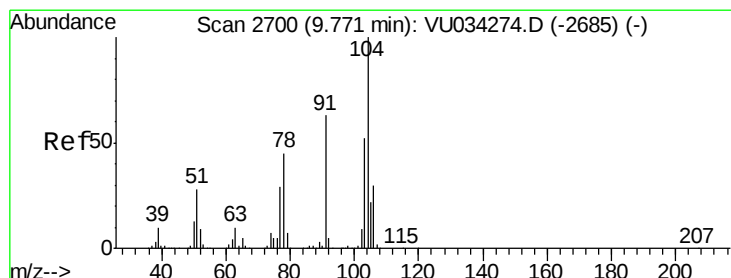
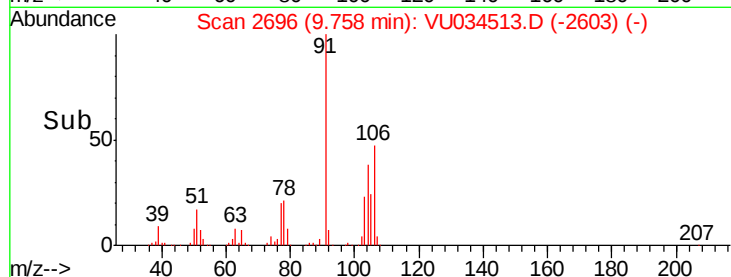
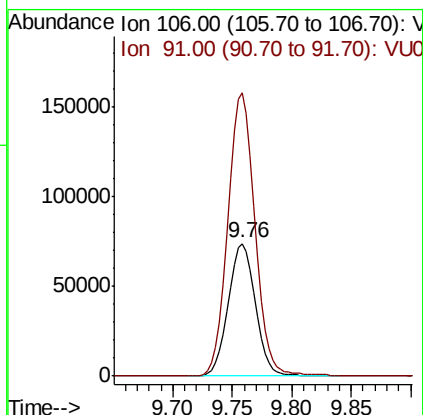
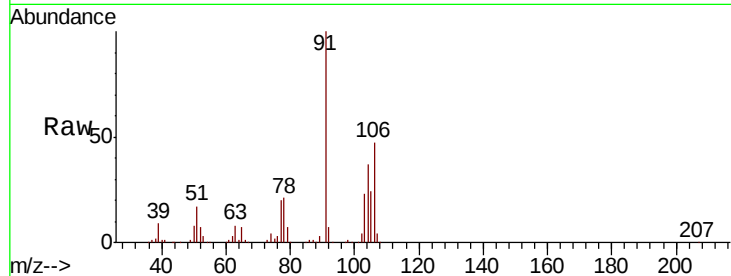




#69
o-Xylene
Concen: 22.106 ug/l
RT: 9.76 min Scan# 2696
Delta R.T. -0.00 min
Lab File: VU034513.D
Acq: 12 Sep 2019 12:19

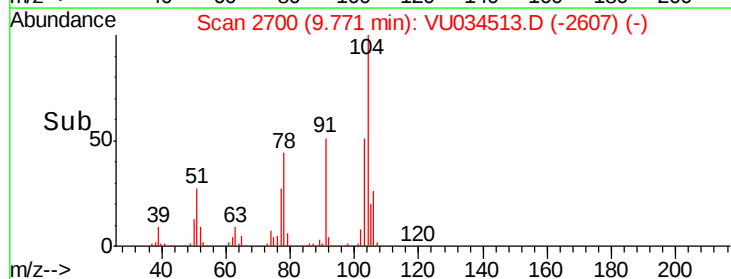
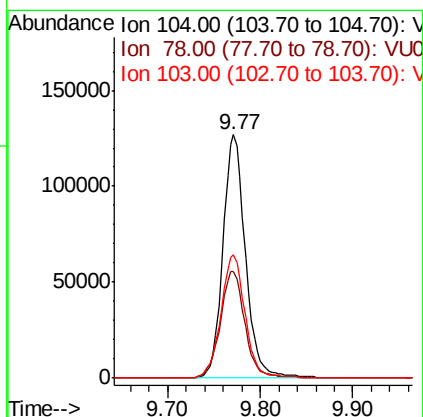
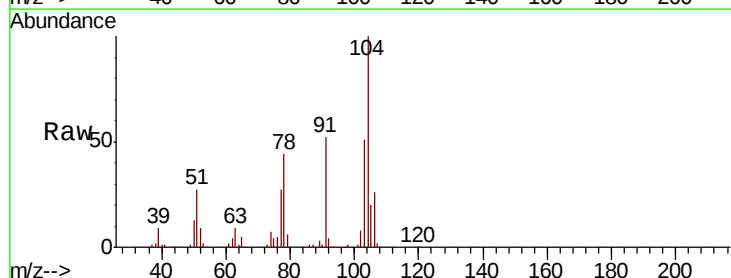
Instrument :
MSVOA_U
ClientSampleId :
VU0912WBS02

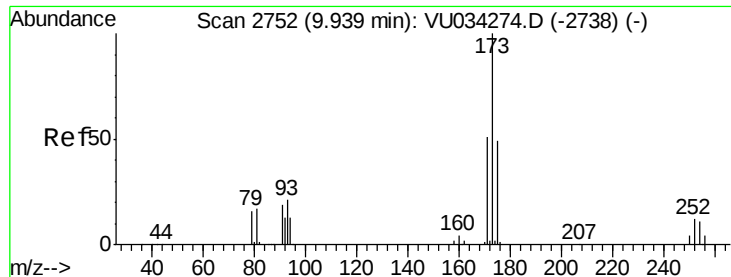
Tgt Ion:106 Resp: 117482
Ion Ratio Lower Upper
106 100
91 212.5 105.1 315.3



#70
Styrene
Concen: 23.031 ug/l
RT: 9.77 min Scan# 2700
Delta R.T. -0.00 min
Lab File: VU034513.D
Acq: 12 Sep 2019 12:19

Tgt Ion:104 Resp: 214597
Ion Ratio Lower Upper
104 100
78 47.7 38.6 57.8
103 54.4 44.2 66.4





#71

Bromoform

Concen: 22.962 ug/l

RT: 9.94 min Scan# 2751

Delta R.T. -0.00 min

Lab File: VU034513.D

Acq: 12 Sep 2019 12:19

Instrument :

MSVOA_U

ClientSampleId :

VU0912WBS02

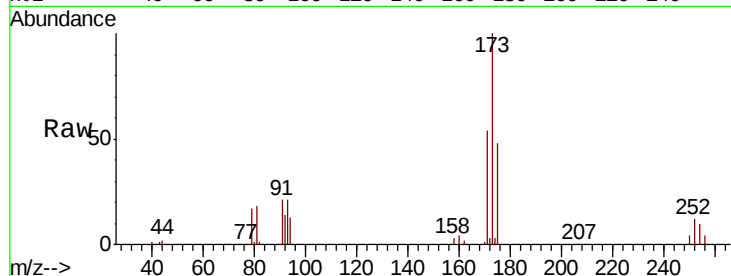
Tgt Ion:173 Resp: 67033

Ion Ratio Lower Upper

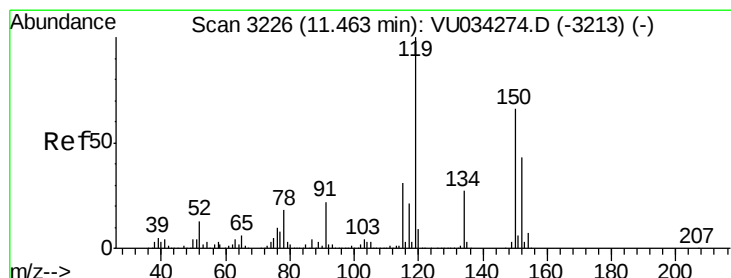
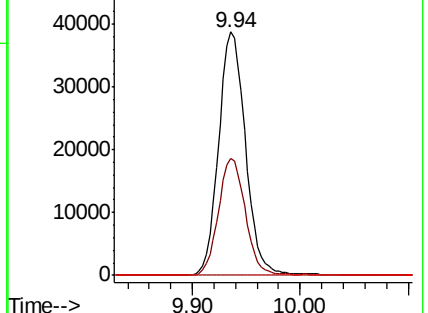
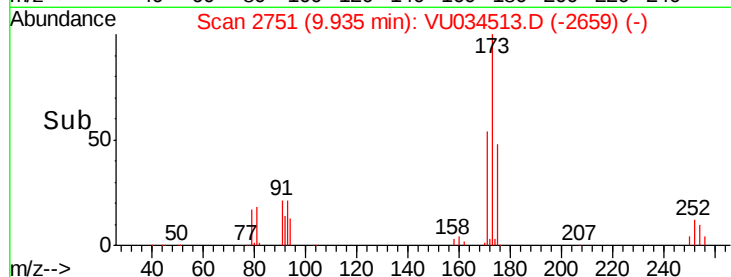
173 100

175 47.9 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: VU034513.D

Acq: 12 Sep 2019 12:19

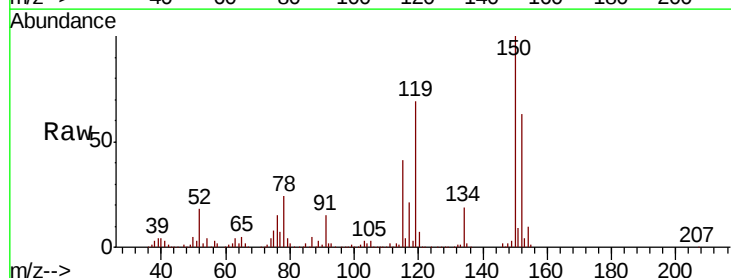
Tgt Ion:152 Resp: 233816

Ion Ratio Lower Upper

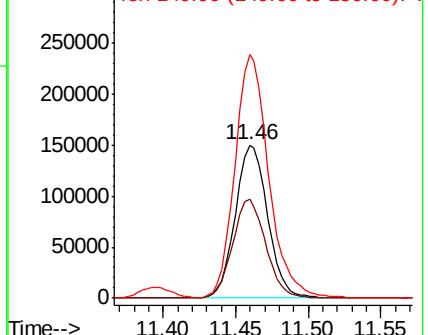
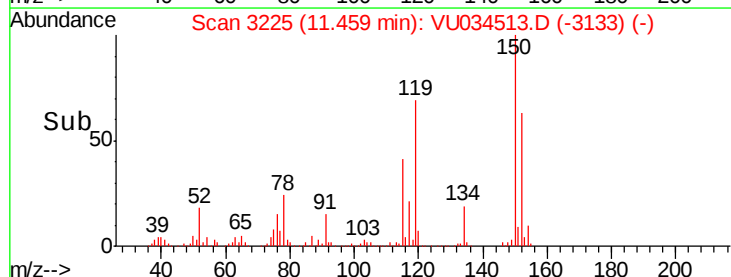
152 100

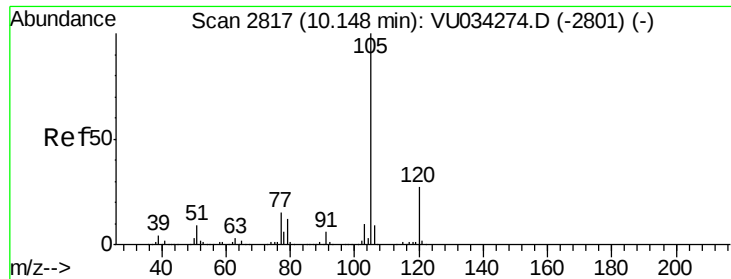
115 66.4 39.1 117.3

150 164.2 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: 21.622 ug/l

RT: 10.14 min Scan# 2816

Delta R.T. -0.00 min

Lab File: VU034513.D

Acq: 12 Sep 2019 12:19

Instrument :

MSVOA_U

ClientSampleId :

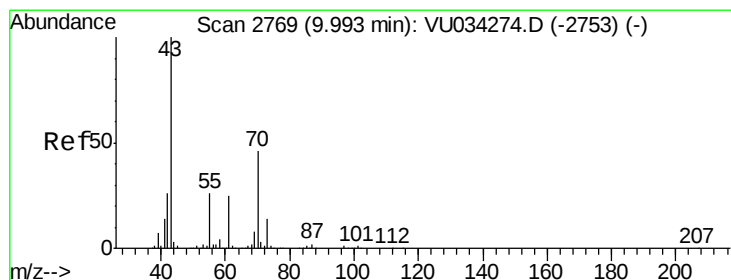
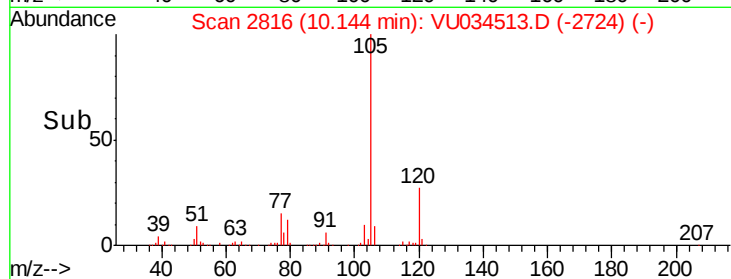
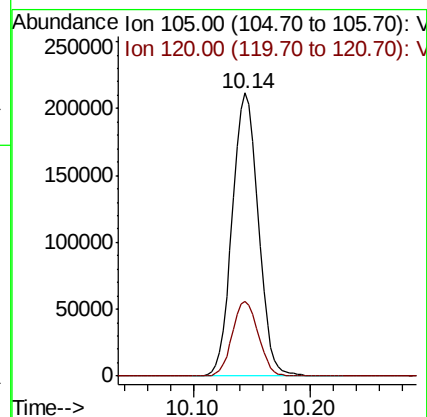
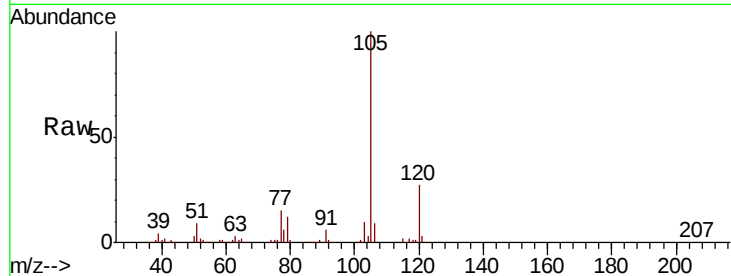
VU0912WBS02

Tgt Ion: 105 Resp: 329006

Ion Ratio Lower Upper

105 100

120 26.4 13.4 40.2



#74

N-ethyl acetate

Concen: 20.672 ug/l

RT: 9.99 min Scan# 2769

Delta R.T. -0.00 min

Lab File: VU034513.D

Acq: 12 Sep 2019 12:19

Tgt Ion: 43 Resp: 126615

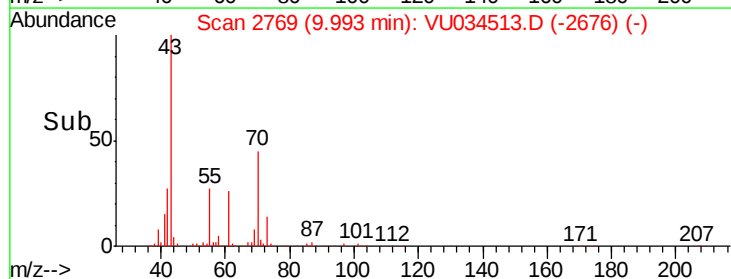
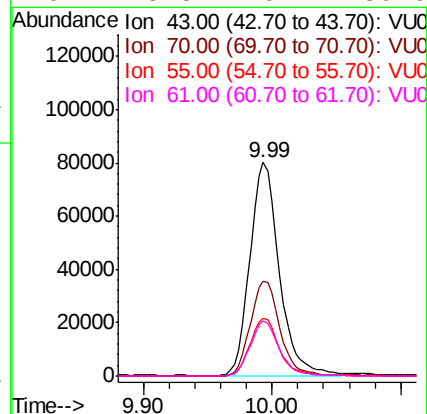
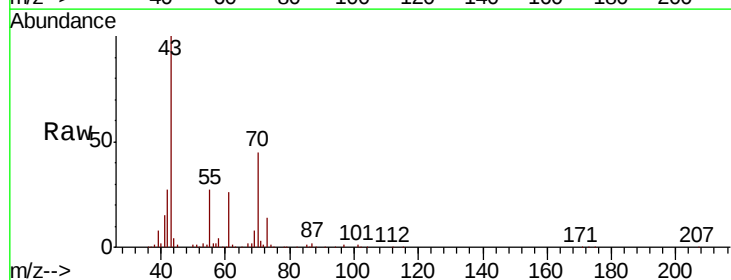
Ion Ratio Lower Upper

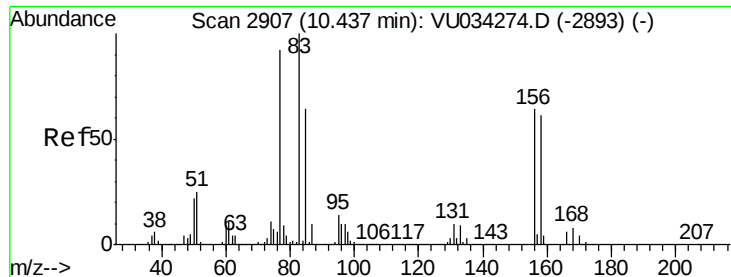
43 100

70 45.2 36.4 54.6

55 27.3 21.2 31.8

61 25.8 20.4 30.6





#75

1,1,2,2-Tetrachloroethane

Concen: 22.044 ug/l

RT: 10.43 min Scan# 2906

Delta R.T. -0.00 min

Lab File: VU034513.D

Acq: 12 Sep 2019 12:19

Instrument :

MSVOA_U

ClientSampleId :

VU0912WBS02

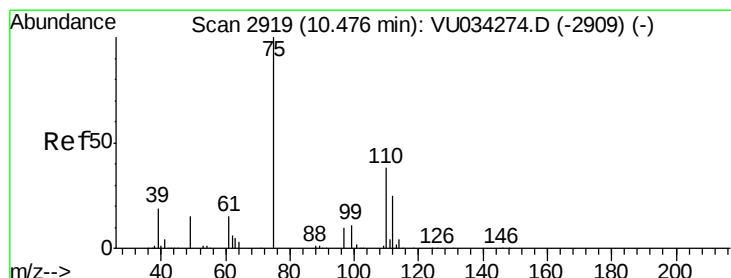
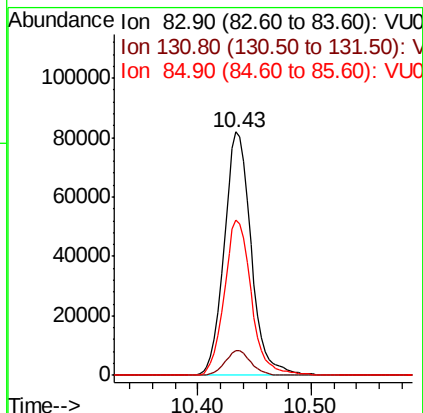
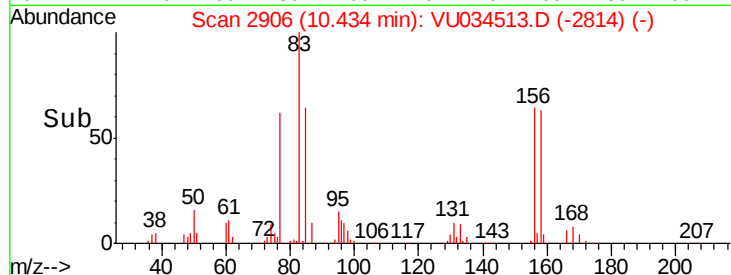
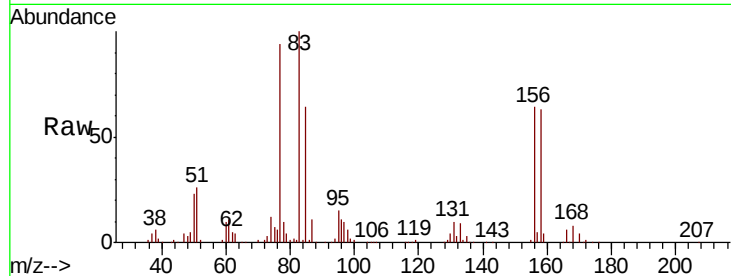
Tgt Ion: 83 Resp: 135771

Ion Ratio Lower Upper

83 100

131 9.8 5.1 15.2

85 64.1 32.0 96.2



#76

1,2,3-Trichloropropane

Concen: 28.073 ug/l

RT: 10.47 min Scan# 2918

Delta R.T. -0.00 min

Lab File: VU034513.D

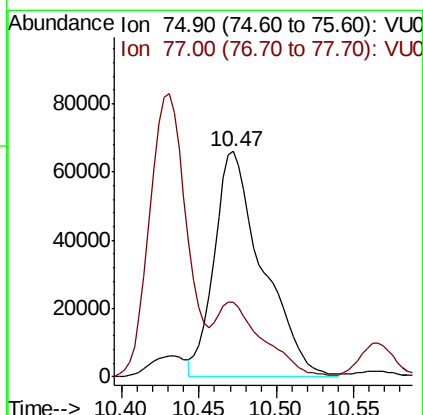
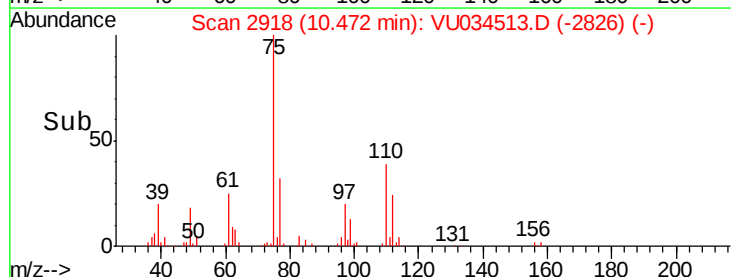
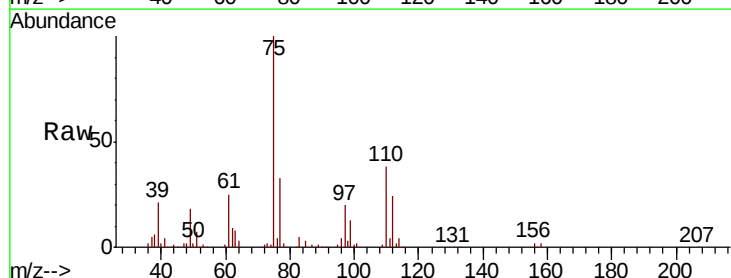
Acq: 12 Sep 2019 12:19

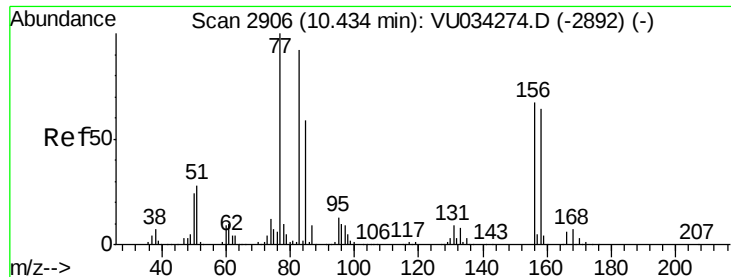
Tgt Ion: 75 Resp: 143279

Ion Ratio Lower Upper

75 100

77 32.4 20.8 62.2





#77

Bromobenzene

Concen: 21.480 ug/l

RT: 10.43 min Scan# 2905

Delta R.T. -0.00 min

Lab File: VU034513.D

Acq: 12 Sep 2019 12:19

Instrument :

MSVOA_U

ClientSampleId :

VU0912WBS02

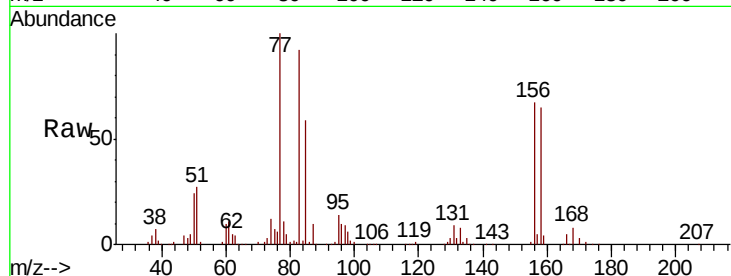
Tgt Ion:156 Resp: 91389

Ion Ratio Lower Upper

156 100

77 152.6 75.6 226.9

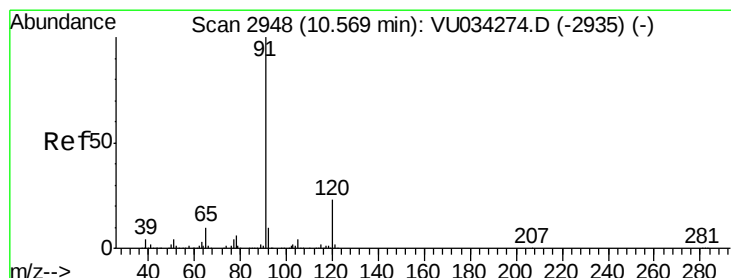
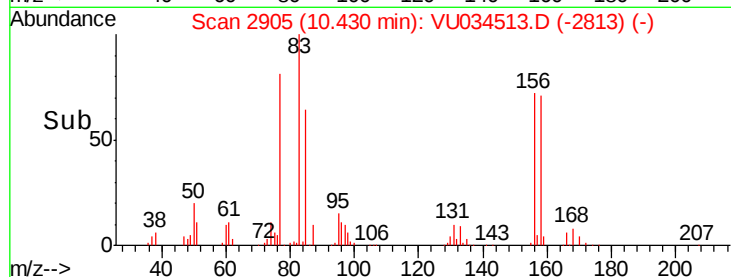
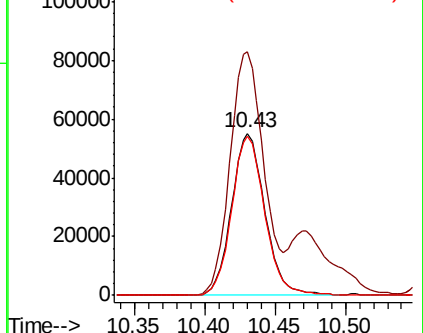
158 97.6 48.2 144.6



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: 21.660 ug/l

RT: 10.57 min Scan# 2947

Delta R.T. -0.00 min

Lab File: VU034513.D

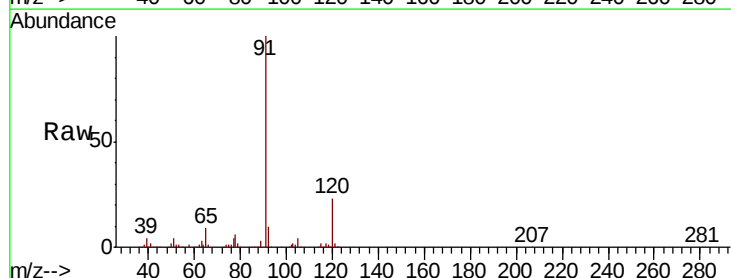
Acq: 12 Sep 2019 12:19

Tgt Ion: 91 Resp: 380639

Ion Ratio Lower Upper

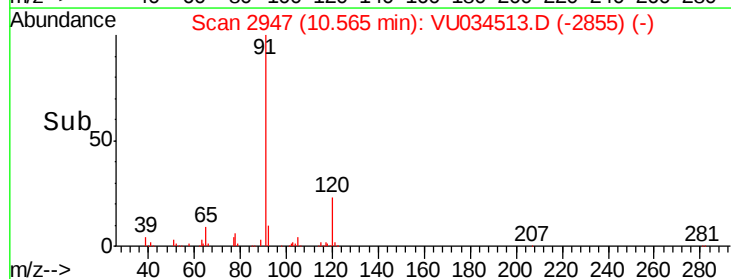
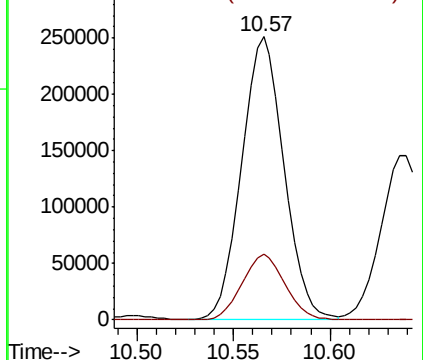
91 100

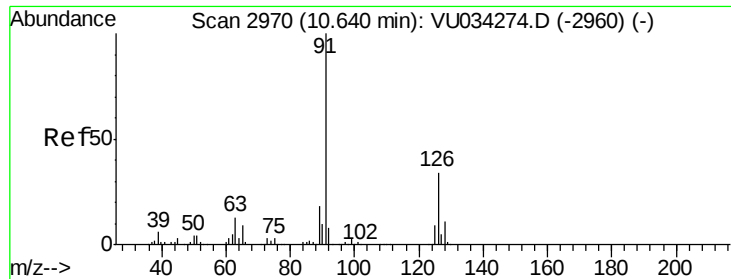
120 23.5 11.7 35.0



Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 21.986 ug/l

RT: 10.64 min Scan# 2969

Delta R.T. -0.00 min

Lab File: VU034513.D

Acq: 12 Sep 2019 12:19

Instrument :

MSVOA_U

ClientSampleId :

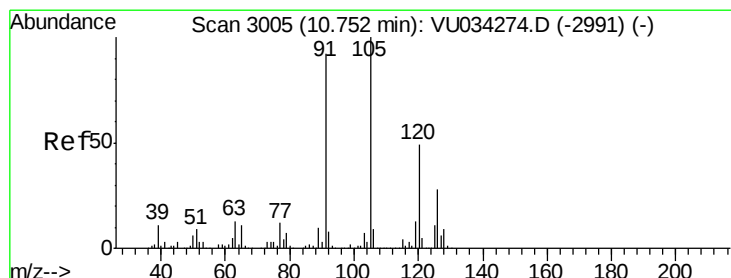
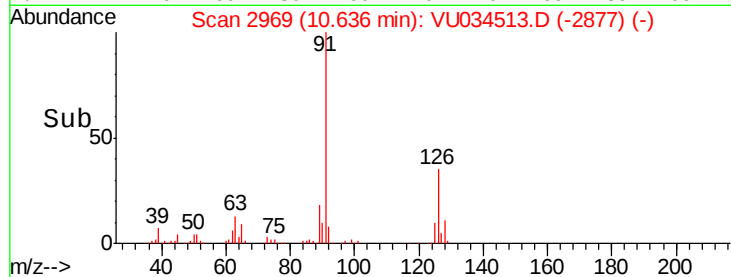
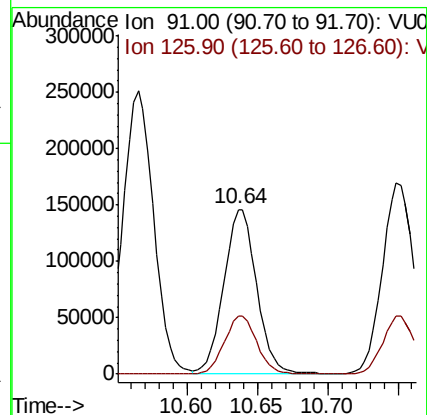
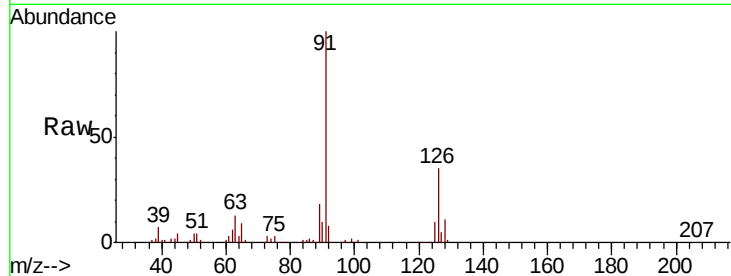
VU0912WBS02

Tgt Ion: 91 Resp: 235743

Ion Ratio Lower Upper

91 100

126 35.3 17.3 51.9



#80

1,3,5-Trimethylbenzene

Concen: 22.538 ug/l

RT: 10.75 min Scan# 3004

Delta R.T. -0.00 min

Lab File: VU034513.D

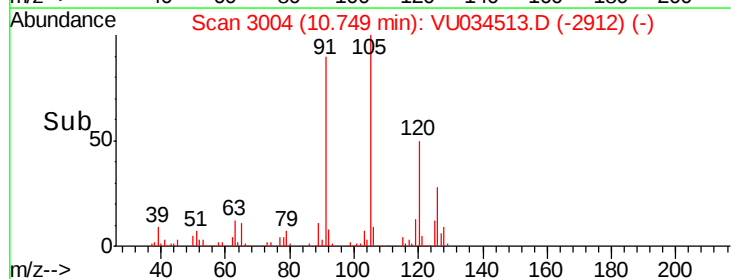
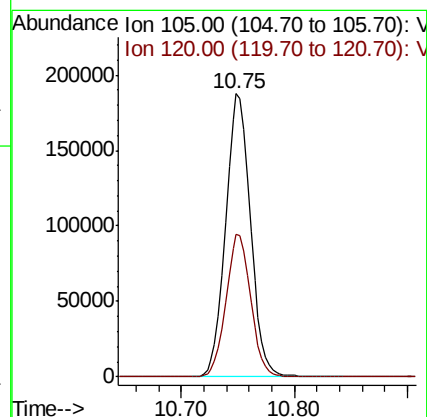
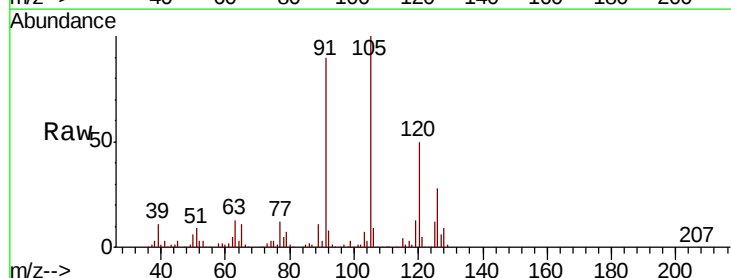
Acq: 12 Sep 2019 12:19

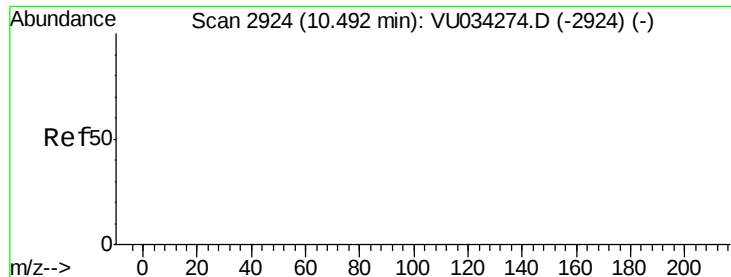
Tgt Ion: 105 Resp: 286810

Ion Ratio Lower Upper

105 100

120 50.1 24.9 74.7





#81

trans-1,4-Dichloro-2-butene

Concen: 94.408 ug/l

RT: 10.47 min Scan# 2918

Delta R.T. -0.02 min

Lab File: VU034513.D

Acq: 12 Sep 2019 12:19

Instrument :

MSVOA_U

ClientSampleId :

VU0912WBS02

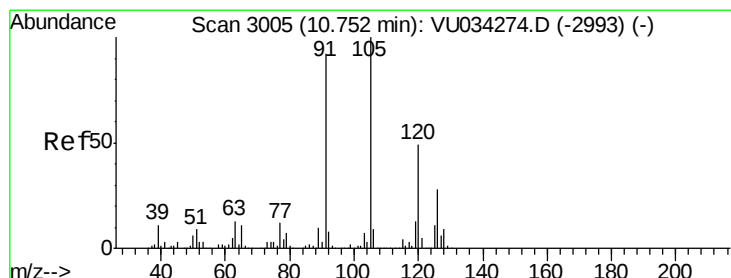
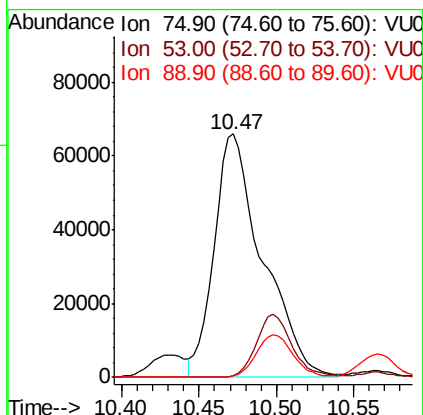
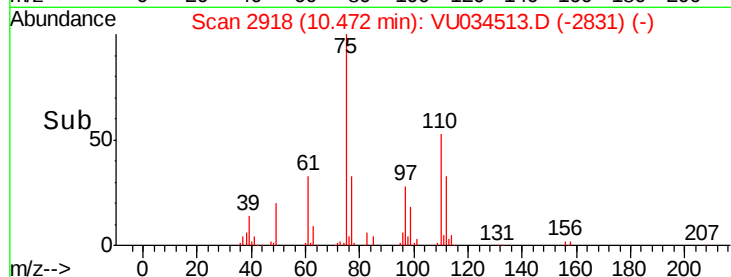
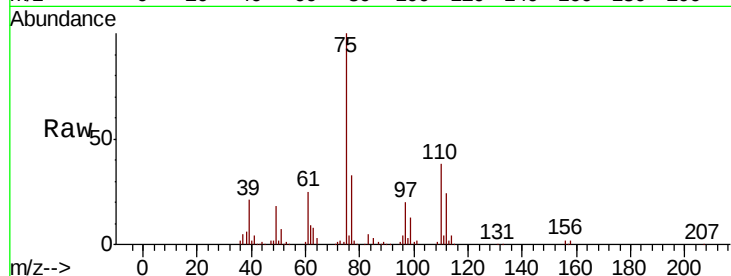
Tgt Ion: 75 Resp: 143279

Ion Ratio Lower Upper

75 100

53 0.0 0.0 0.0

89 0.0 0.0 0.0



#82

4-Chlorotoluene

Concen: 22.170 ug/l

RT: 10.75 min Scan# 3004

Delta R.T. -0.00 min

Lab File: VU034513.D

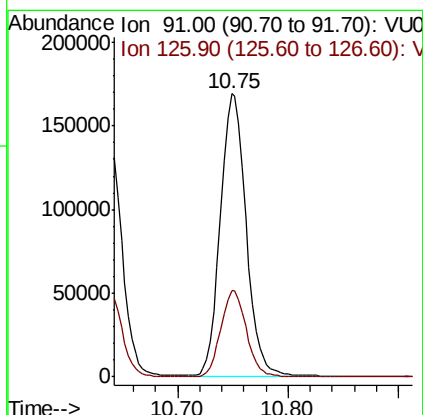
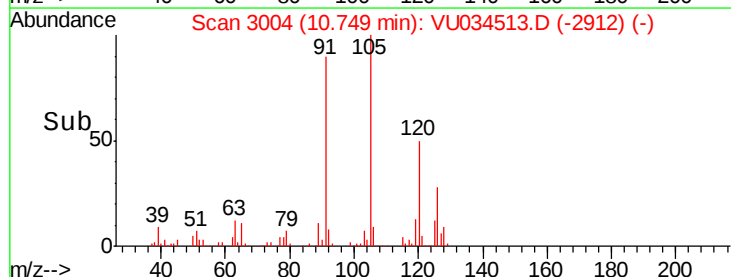
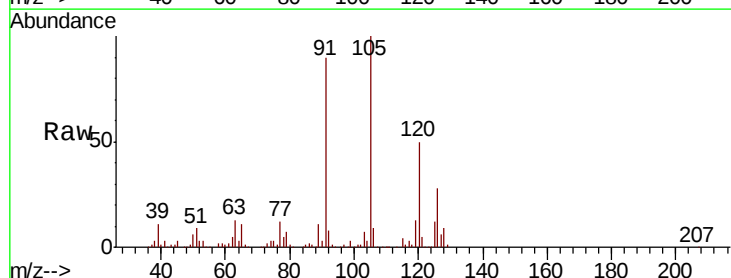
Acq: 12 Sep 2019 12:19

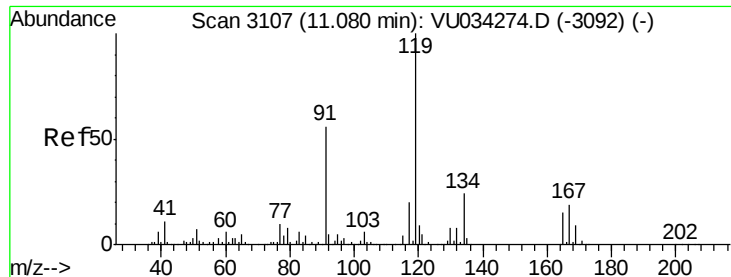
Tgt Ion: 91 Resp: 273566

Ion Ratio Lower Upper

91 100

126 30.3 15.3 45.8

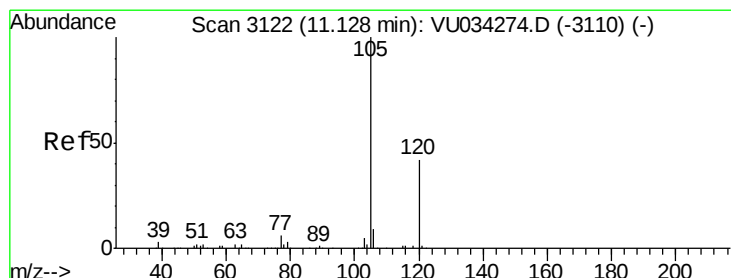
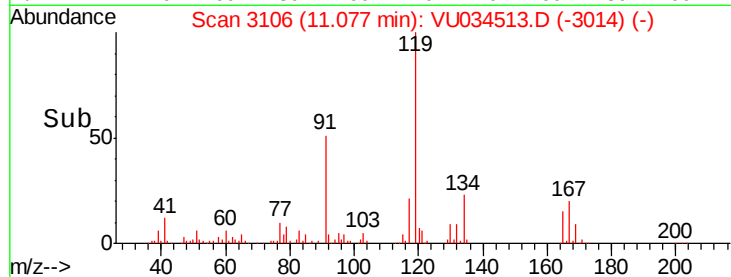
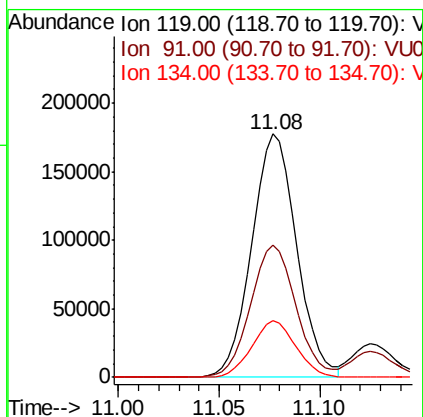
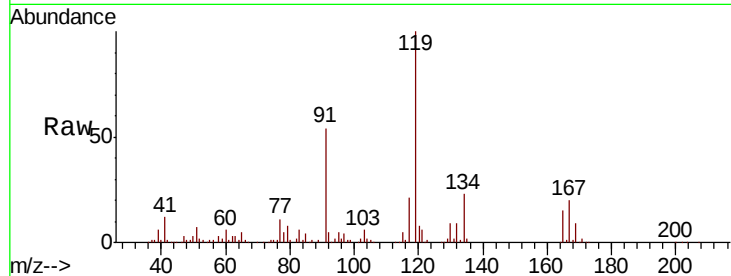




#83
 tert-Butylbenzene
 Concen: 21.730 ug/l
 RT: 11.08 min Scan# 3106
 Delta R.T. -0.00 min
 Lab File: VU034513.D
 Acq: 12 Sep 2019 12:19

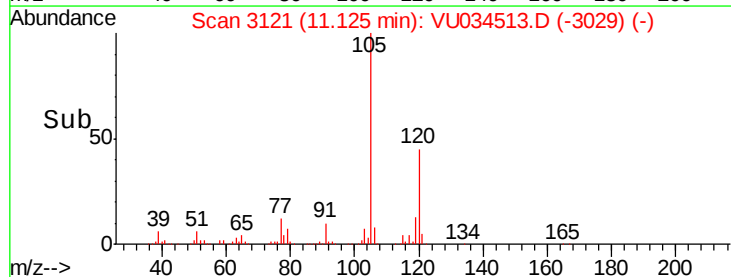
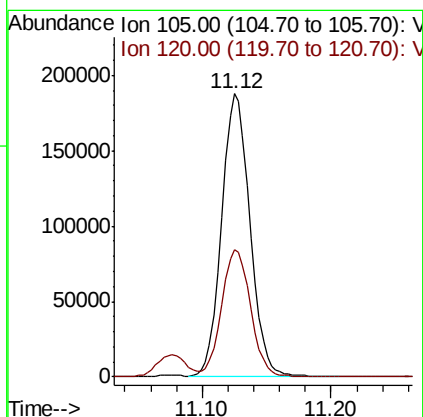
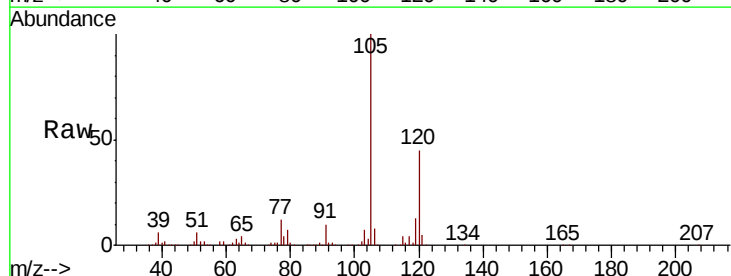
Instrument :
 MSVOA_U
 ClientSampleId :
 VU0912WBS02

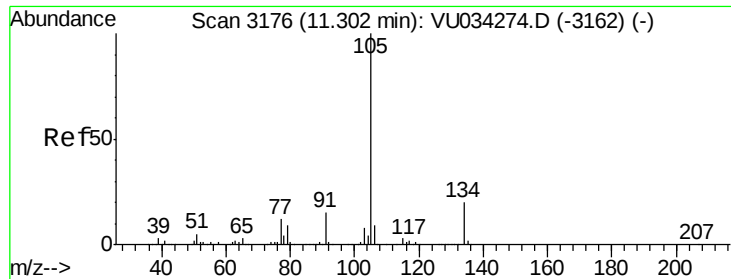
Tgt Ion:119 Resp: 276639
 Ion Ratio Lower Upper
 119 100
 91 54.5 27.8 83.4
 134 22.8 11.7 35.0



#84
 1,2,4-Trimethylbenzene
 Concen: 22.188 ug/l
 RT: 11.12 min Scan# 3121
 Delta R.T. -0.00 min
 Lab File: VU034513.D
 Acq: 12 Sep 2019 12:19

Tgt Ion:105 Resp: 284234
 Ion Ratio Lower Upper
 105 100
 120 46.1 22.9 68.8





#85

sec-Butylbenzene

Concen: 21.872 ug/l

RT: 11.30 min Scan# 3176

Delta R.T. -0.00 min

Lab File: VU034513.D

Acq: 12 Sep 2019 12:19

Instrument :

MSVOA_U

ClientSampleId :

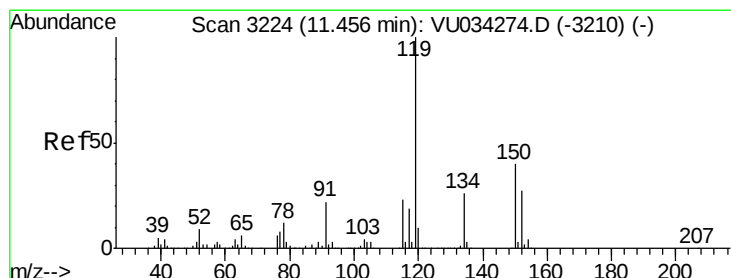
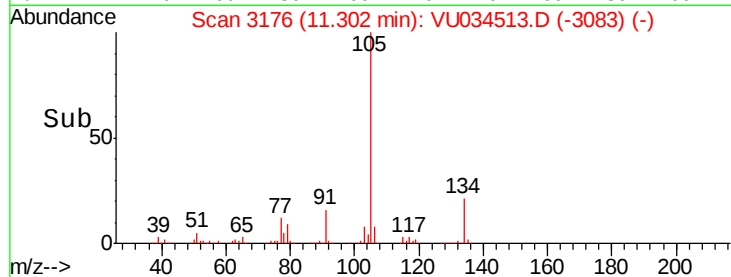
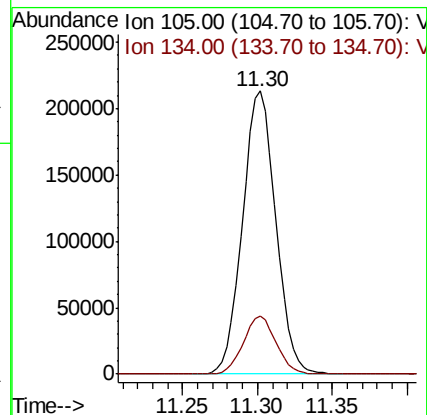
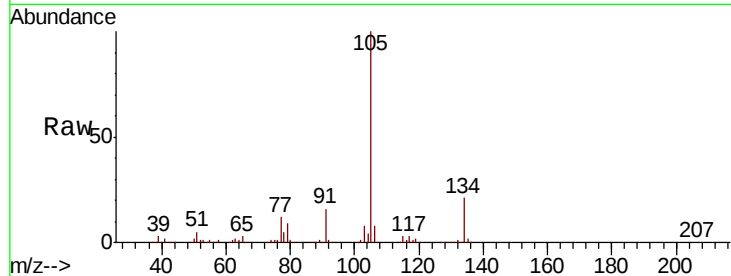
VU0912WBS02

Tgt Ion:105 Resp: 328733

Ion Ratio Lower Upper

105 100

134 20.2 10.1 30.3



#86

p-Isopropyltoluene

Concen: 21.764 ug/l

RT: 11.45 min Scan# 3223

Delta R.T. -0.00 min

Lab File: VU034513.D

Acq: 12 Sep 2019 12:19

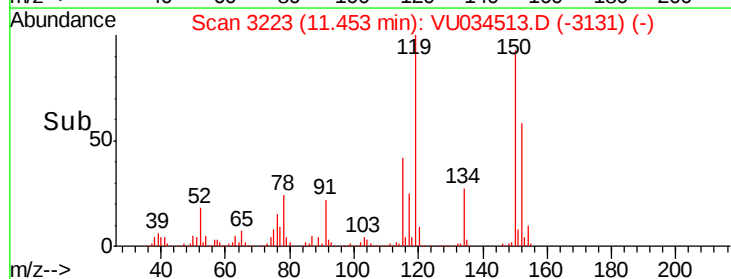
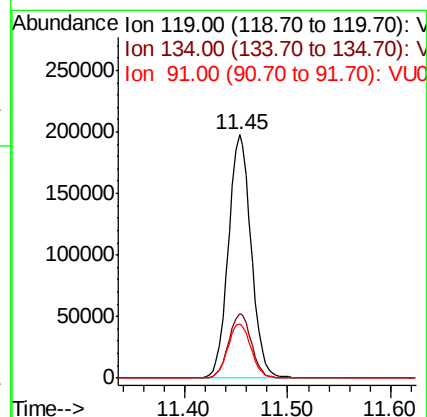
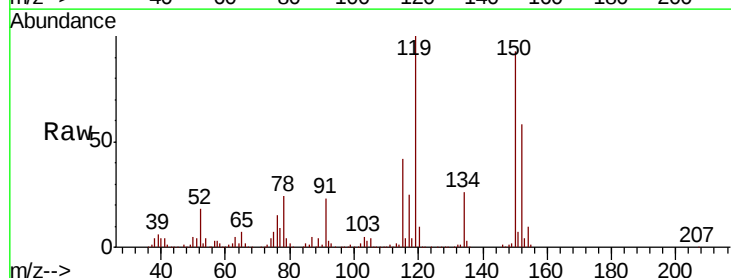
Tgt Ion:119 Resp: 301916

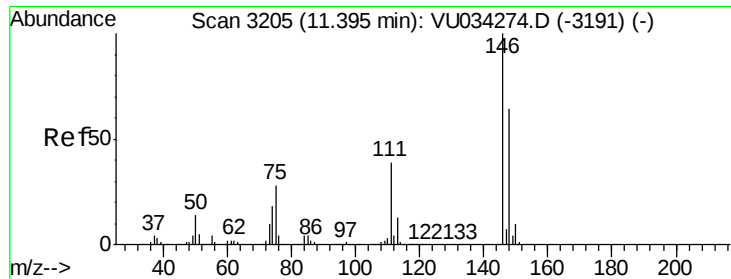
Ion Ratio Lower Upper

119 100

134 26.6 13.3 39.8

91 22.9 11.2 33.6

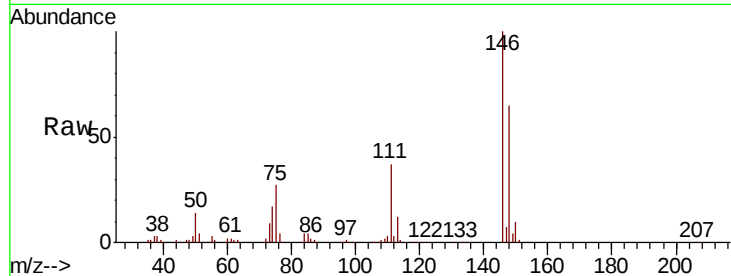




#87
 1,3-Dichlorobenzene
 Concen: 21.674 ug/l
 RT: 11.40 min Scan# 3205
 Delta R.T. -0.00 min
 Lab File: VU034513.D
 Acq: 12 Sep 2019 12:19

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0912WBS02

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.0	19.5	58.5
148	64.1	32.1	96.3

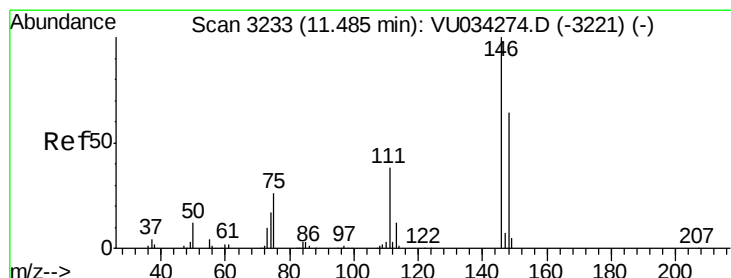
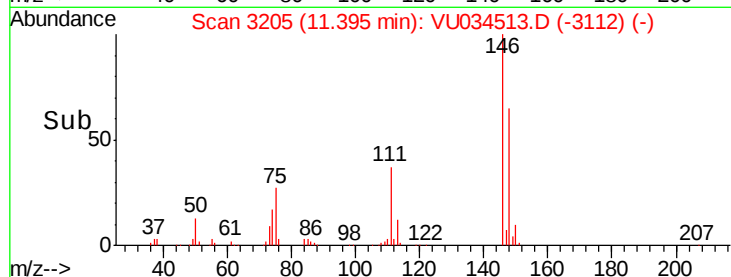
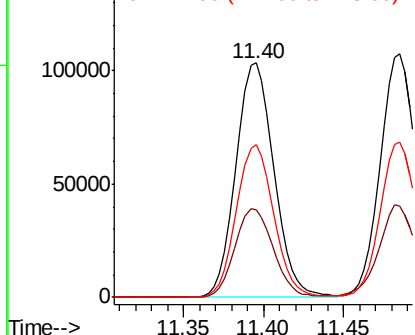


Abundance

Ion 145.90 (145.60 to 146.60): V

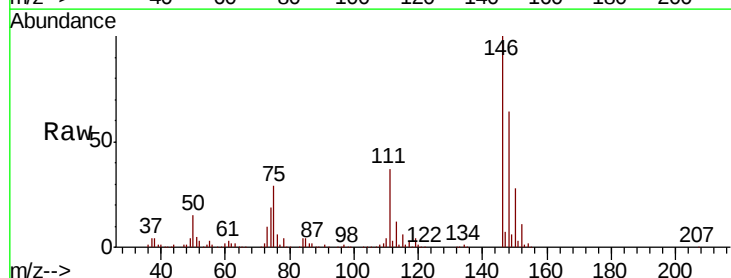
Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#88
 1,4-Dichlorobenzene
 Concen: 21.527 ug/l
 RT: 11.49 min Scan# 3233
 Delta R.T. -0.00 min
 Lab File: VU034513.D
 Acq: 12 Sep 2019 12:19

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.2	19.1	57.3
148	63.4	32.0	96.0

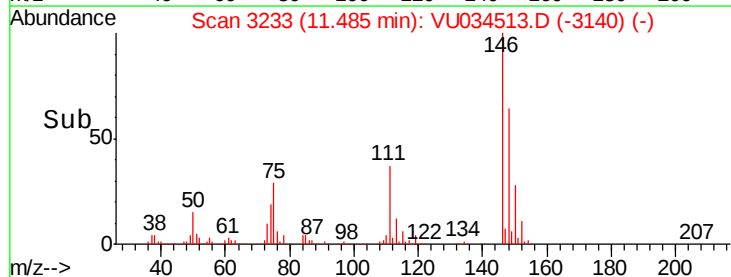
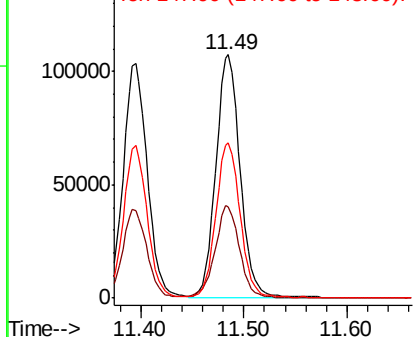


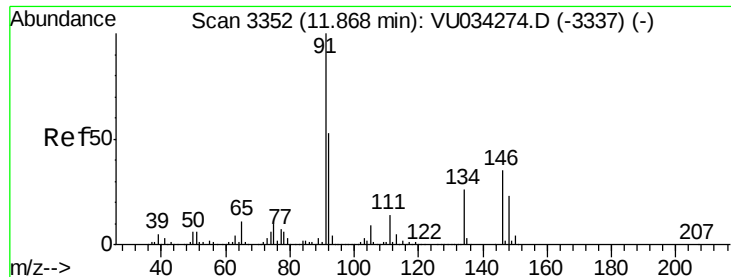
Abundance

Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V

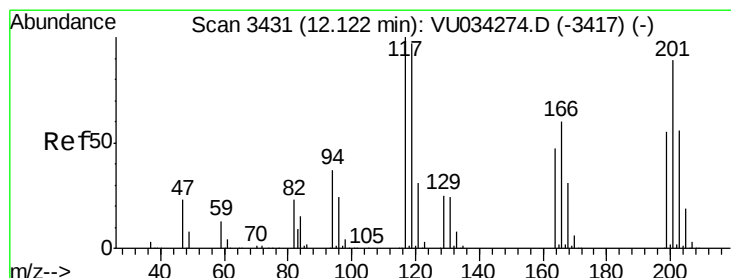
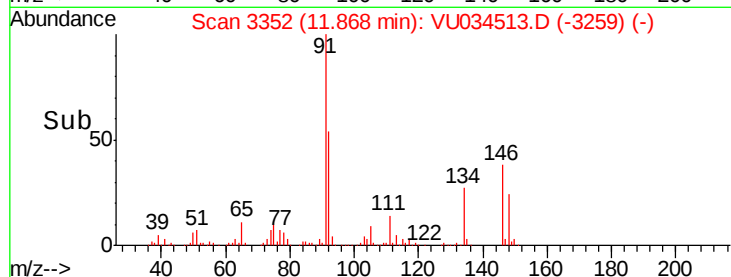
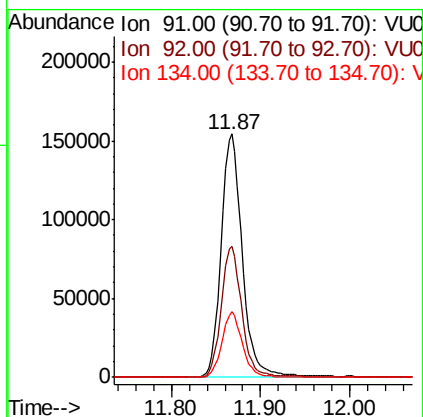
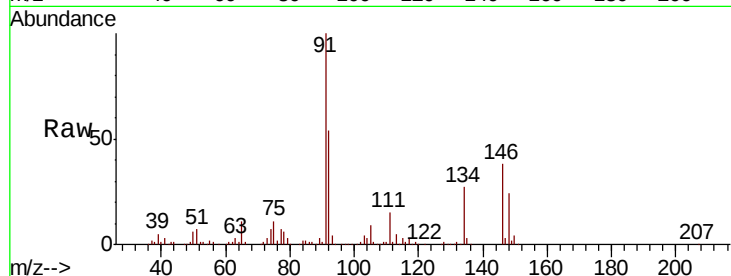




#89
n-Butylbenzene
Concen: 21.045 ug/l
RT: 11.87 min Scan# 3352
Delta R.T. -0.00 min
Lab File: VU034513.D
Acq: 12 Sep 2019 12:19

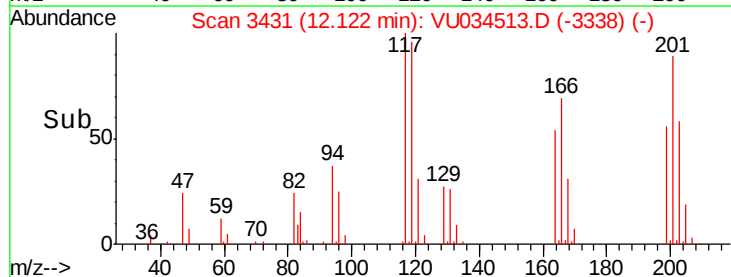
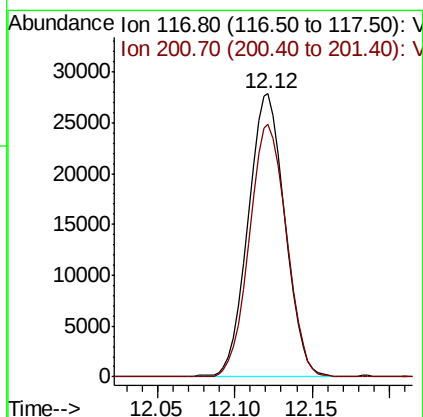
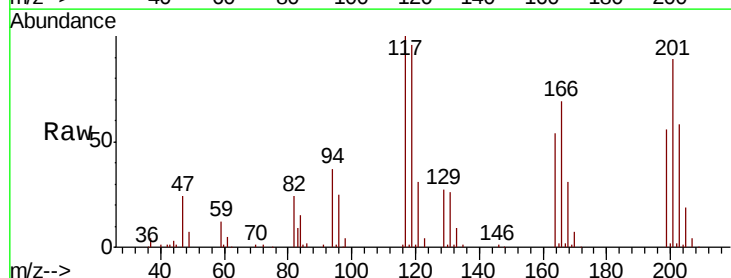
Instrument :
MSVOA_U
ClientSampleId :
VU0912WBS02

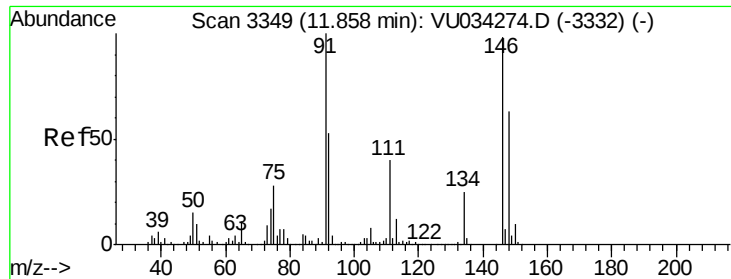
Tgt Ion: 91 Resp: 253703
Ion Ratio Lower Upper
91 100
92 52.7 26.5 79.4
134 26.2 13.2 39.6



#90
Hexachloroethane
Concen: 20.873 ug/l
RT: 12.12 min Scan# 3431
Delta R.T. -0.00 min
Lab File: VU034513.D
Acq: 12 Sep 2019 12:19

Tgt Ion: 117 Resp: 46325
Ion Ratio Lower Upper
117 100
201 89.7 44.1 132.4

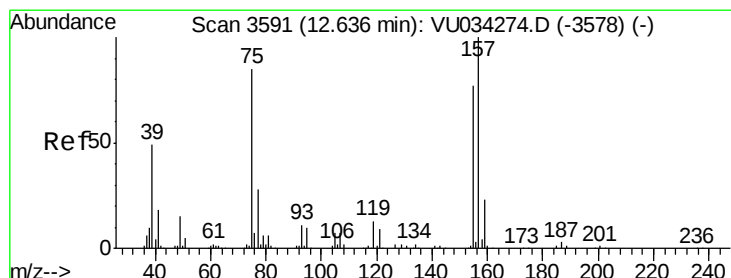
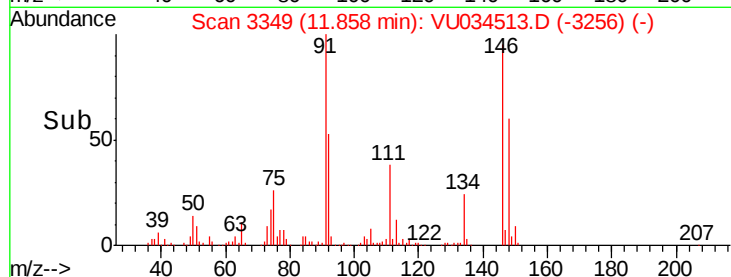
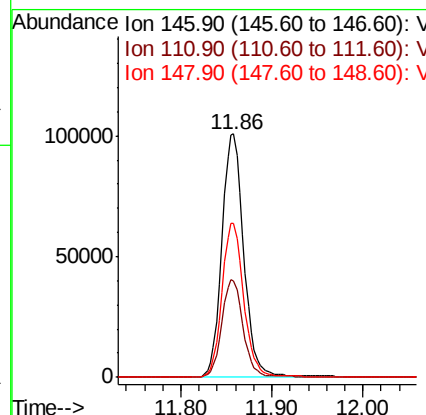
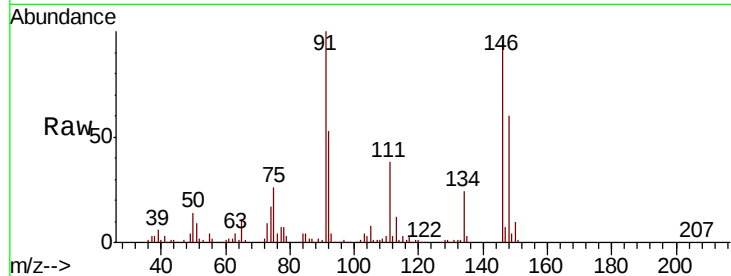




#91
 1,2-Dichlorobenzene
 Concen: 22.239 ug/l
 RT: 11.86 min Scan# 3349
 Delta R.T. -0.00 min
 Lab File: VU034513.D
 Acq: 12 Sep 2019 12:19

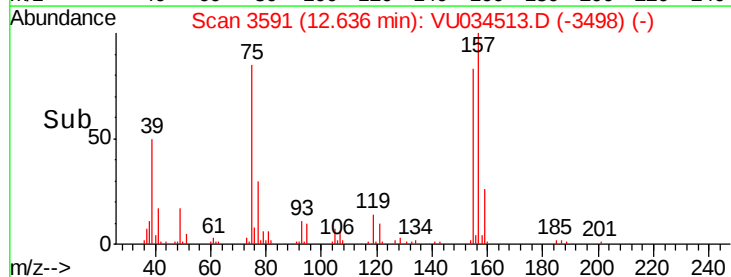
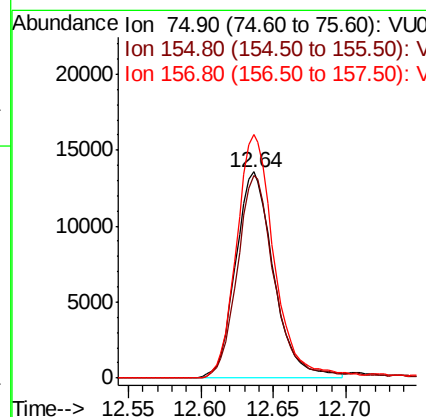
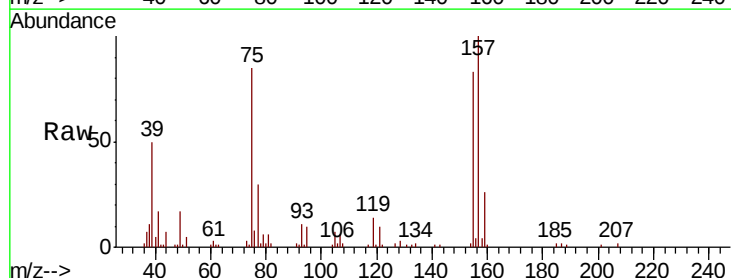
Instrument :
 MSVOA_U
 ClientSampleId :
 VU0912WBS02

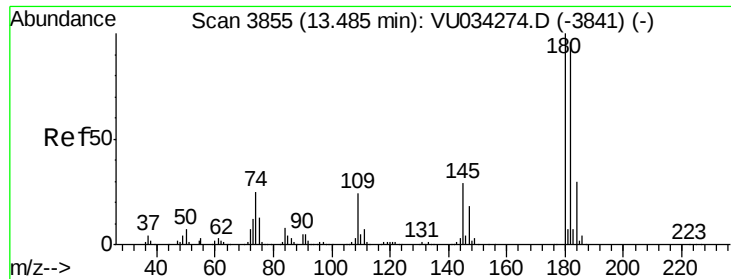
Tgt Ion: 146 Resp: 169690
 Ion Ratio Lower Upper
 146 100
 111 39.2 20.0 60.0
 148 63.0 31.6 94.8



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 21.909 ug/l
 RT: 12.64 min Scan# 3591
 Delta R.T. -0.00 min
 Lab File: VU034513.D
 Acq: 12 Sep 2019 12:19

Tgt Ion: 75 Resp: 24796
 Ion Ratio Lower Upper
 75 100
 155 95.2 44.6 134.0
 157 117.3 58.2 174.6

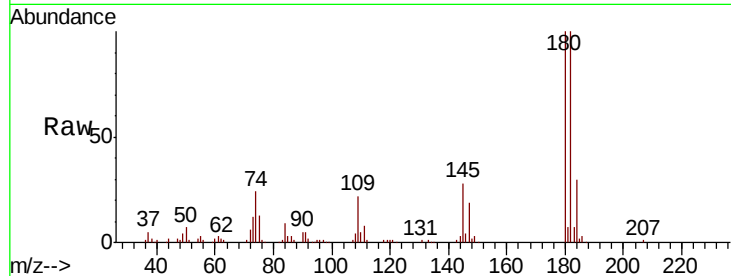




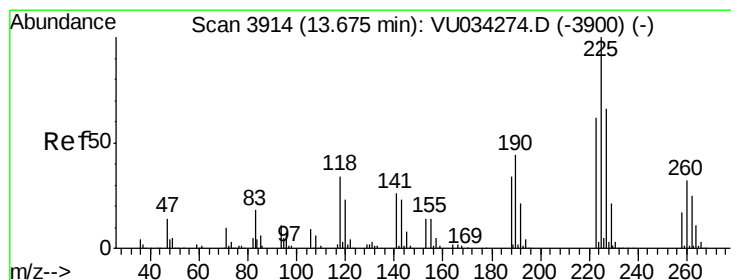
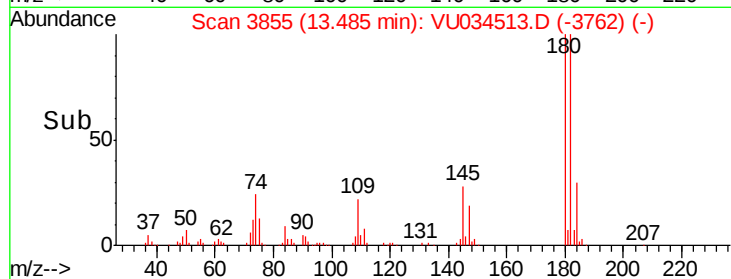
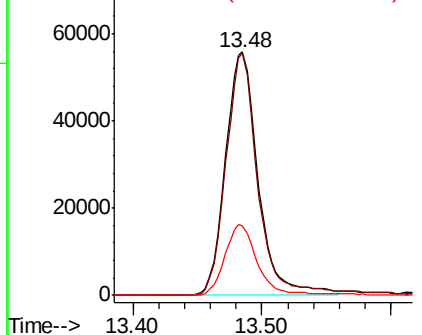
#93
 1,2,4-Trichlorobenzene
 Concen: 19.987 ug/l
 RT: 13.48 min Scan# 3855
 Delta R.T. -0.00 min
 Lab File: VU034513.D
 Acq: 12 Sep 2019 12:19

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0912WBS02

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.2	47.9	143.8
145	28.8	14.4	43.0

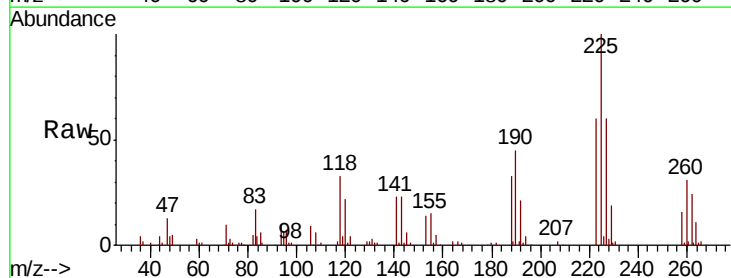


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

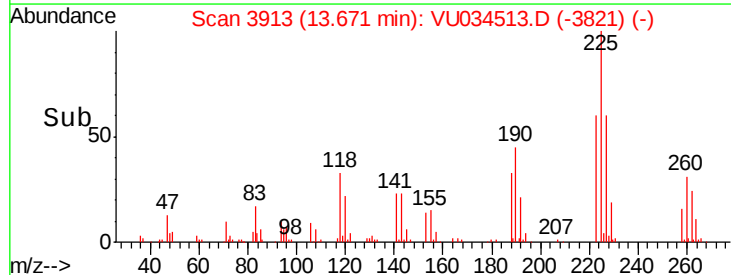
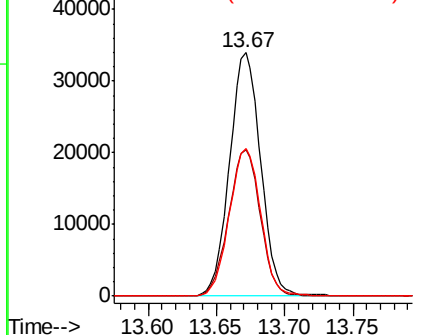


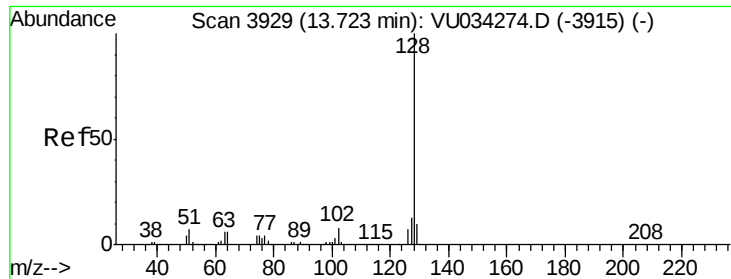
#94
 Hexachlorobutadiene
 Concen: 20.195 ug/l
 RT: 13.67 min Scan# 3913
 Delta R.T. -0.00 min
 Lab File: VU034513.D
 Acq: 12 Sep 2019 12:19

Tgt Ion	Ratio	Lower	Upper
225	100		
223	60.9	31.6	94.7
227	61.0	32.3	96.8



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

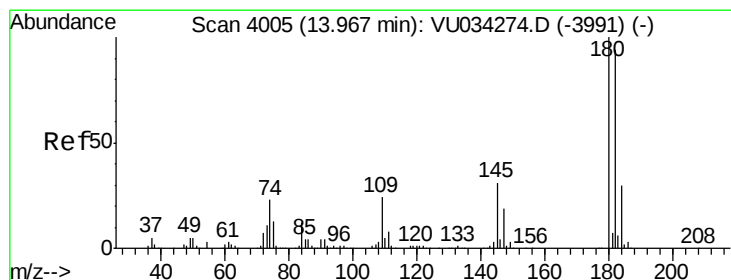
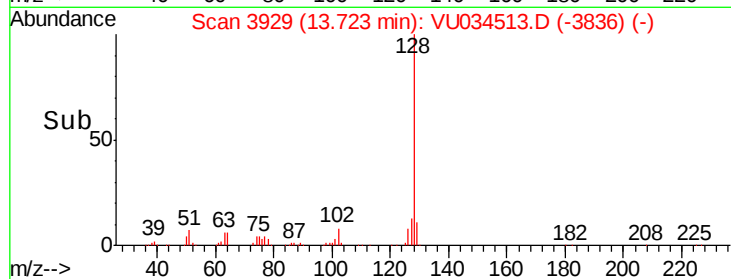
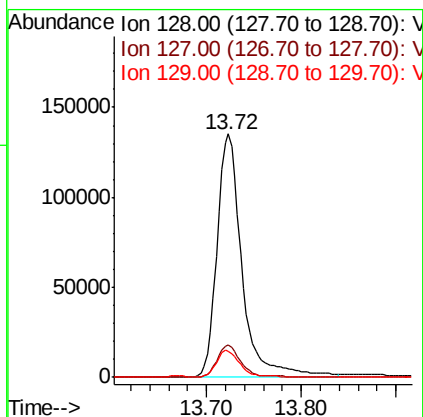
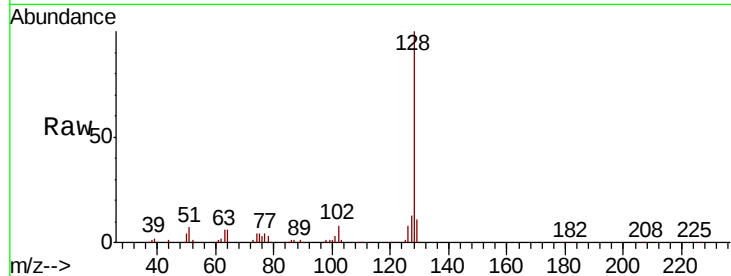




#95
Naphthalene
Concen: 18.717 ug/l
RT: 13.72 min Scan# 3929
Delta R.T. -0.00 min
Lab File: VU034513.D
Acq: 12 Sep 2019 12:19

Instrument :
MSVOA_U
ClientSampleId :
VU0912WBS02

Tgt Ion:128 Resp: 249671
Ion Ratio Lower Upper
128 100
127 12.9 10.6 15.8
129 10.1 8.4 12.6



#96
1,2,3-Trichlorobenzene
Concen: 20.498 ug/l
RT: 13.97 min Scan# 4005
Delta R.T. 0.00 min
Lab File: VU034513.D
Acq: 12 Sep 2019 12:19

Tgt Ion:180 Resp: 100777
Ion Ratio Lower Upper
180 100
182 97.2 48.4 145.0
145 29.9 15.4 46.4

