

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU090719\
 Data File : VU034342.D
 Acq On : 06 Sep 2019 19:40
 Operator : JC/SP
 Sample : K4722-16MS
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 GW-200-B4-47.0-52.0-090519MS

Quant Time: Sep 07 04:10:03 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	307760	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.86	114	457211	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.07	117	450869	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.46	152	293581	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.29	65	231119	49.63	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.26%	
35) Dibromofluoromethane	4.86	113	206605	48.56	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.12%	
50) Toluene-d8	7.55	98	812914	50.86	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.72%	
62) 4-Bromofluorobenzene	10.29	95	308509	49.99	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.98%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	142169	44.169	ug/l	100
3) Chloromethane	1.32	50	168404	48.425	ug/l	99
4) Vinyl Chloride	1.40	62	182143	45.412	ug/l	99
5) Bromomethane	1.61	94	109339	54.058	ug/l	100
6) Chloroethane	1.69	64	116174	49.830	ug/l	97
7) Trichlorofluoromethane	1.87	101	247285	45.981	ug/l	98
8) Diethyl Ether	2.09	74	115485	48.819	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.27	101	158944	44.623	ug/l	99
10) Methyl Iodide	2.40	142	153413	47.301	ug/l	100
11) Tert butyl alcohol	2.81	59	278278	282.875	ug/l	100
12) 1,1-Dichloroethene	2.27	96	161717	48.296	ug/l	96
13) Acrolein	2.18	56	132701	160.494	ug/l	100
14) Allyl chloride	2.58	41	264916	41.383	ug/l	93
15) Acrylonitrile	2.92	53	637530	260.241	ug/l	99
16) Acetone	2.31	43	525551	218.097	ug/l	98
17) Carbon Disulfide	2.47	76	324521	43.122	ug/l	100
18) Methyl Acetate	2.60	43	266510	45.453	ug/l	98
19) Methyl tert-butyl Ether	2.98	73	635539	52.073	ug/l	98
20) Methylene Chloride	2.68	84	203262	51.511	ug/l	99
21) trans-1,2-Dichloroethene	2.97	96	216893	61.467	ug/l	96
22) Diisopropyl ether	3.55	45	641035	51.348	ug/l	98
23) Vinyl Acetate	3.50	43	2563691	252.108	ug/l	99
24) 1,1-Dichloroethane	3.43	63	357595	47.965	ug/l	100
25) 2-Butanone	4.24	43	824646	256.368	ug/l	100
26) 2,2-Dichloropropane	4.20	77	260679	43.474	ug/l	92
27) cis-1,2-Dichloroethene	4.20	96	411684	96.062	ug/l	92
28) Bromochloromethane	4.52	49	177182	51.669	ug/l	98
29) Tetrahydrofuran	4.61	42	523538	267.472	ug/l	99
30) Chloroform	4.65	83	368026	48.564	ug/l	99
31) Cyclohexane	4.97	56	250460	45.920	ug/l	98
32) 1,1,1-Trichloroethane	4.89	97	290658	47.972	ug/l	99
36) 1,1-Dichloropropene	5.12	75	234939	47.381	ug/l	99
37) Ethyl Acetate	4.36	43	281456	48.009	ug/l	99
38) Carbon Tetrachloride	5.11	117	245791	46.425	ug/l	100

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.40	83	248161	46.817	ug/l	97
40) Benzene	5.37	78	780040	48.753	ug/l	99
41) Methacrylonitrile	4.52	41	162686	52.097	ug/l	98
42) 1,2-Dichloroethane	5.38	62	263421	47.420	ug/l	99
43) Isopropyl Acetate	5.53	43	458408	50.124	ug/l	98
44) Trichloroethene	6.16	130	1017642	229.846	ug/l	100
45) 1,2-Dichloropropane	6.41	63	224889	48.080	ug/l	97
46) Dibromomethane	6.54	93	141873	48.321	ug/l	98
47) Bromodichloromethane	6.74	83	287122	47.508	ug/l	100
48) Methyl methacrylate	6.60	41	221253	50.936	ug/l	99
49) 1,4-Dioxane	6.59	88	108588	1144.817	ug/l	98
51) 4-Methyl-2-Pentanone	7.44	43	1600252	252.784	ug/l	99
52) Toluene	7.62	92	500203	49.837	ug/l	100
53) t-1,3-Dichloropropene	7.86	75	312225	49.837	ug/l	98
54) cis-1,3-Dichloropropene	7.25	75	335071	48.731	ug/l	99
55) 1,1,2-Trichloroethane	8.04	97	221669	48.639	ug/l	100
56) Ethyl methacrylate	8.00	69	334459	48.408	ug/l	98
57) 1,3-Dichloropropane	8.22	76	360802	48.618	ug/l	98
58) 2-Chloroethyl Vinyl ether	7.08	63	817	16.941	ug/l #	48
59) 2-Hexanone	8.34	43	1220884	258.157	ug/l	99
60) Dibromochloromethane	8.46	129	241151	49.332	ug/l	98
61) 1,2-Dibromoethane	8.57	107	220895	49.520	ug/l	99
64) Tetrachloroethene	8.21	164	187201	47.859	ug/l	98
65) Chlorobenzene	9.10	112	578182	50.546	ug/l	99
66) 1,1,1,2-Tetrachloroethane	9.19	131	214180	49.063	ug/l	100
67) Ethyl Benzene	9.23	91	974086	52.082	ug/l	100
68) m/p-Xylenes	9.35	106	747284	106.106	ug/l	100
69) o-Xylene	9.76	106	377139	54.756	ug/l	98
70) Styrene	9.77	104	663549	54.949	ug/l	99
71) Bromoform	9.94	173	188250	49.758	ug/l #	98
73) Isopropylbenzene	10.14	105	1008326	52.777	ug/l	99
74) N-amyl acetate	9.99	43	406089	52.804	ug/l	99
75) 1,1,2,2-Tetrachloroethane	10.44	83	380383	49.187	ug/l	99
76) 1,2,3-Trichloropropane	10.47	75	410321	64.029	ug/l	83
77) Bromobenzene	10.43	156	276547	51.767	ug/l	97
78) n-propylbenzene	10.57	91	1159836	52.564	ug/l	100
79) 2-Chlorotoluene	10.64	91	698851	51.908	ug/l	100
80) 1,3,5-Trimethylbenzene	10.75	105	859978	53.820	ug/l	100
81) trans-1,4-Dichloro-2-buten	10.47	75	411526	215.958	ug/l #	100
82) 4-Chlorotoluene	10.75	91	803270	51.846	ug/l	99
83) tert-Butylbenzene	11.08	119	858013	53.677	ug/l	99
84) 1,2,4-Trimethylbenzene	11.13	105	875697	54.444	ug/l	100
85) sec-Butylbenzene	11.30	105	1002817	53.140	ug/l	99
86) p-Isopropyltoluene	11.45	119	932271	53.524	ug/l	99
87) 1,3-Dichlorobenzene	11.40	146	497206	51.005	ug/l	100
88) 1,4-Dichlorobenzene	11.49	146	499532	49.129	ug/l	100
89) n-Butylbenzene	11.87	91	811965	53.643	ug/l	99
90) Hexachloroethane	12.12	117	134504	48.267	ug/l	99
91) 1,2-Dichlorobenzene	11.86	146	495380	51.707	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.64	75	77193	54.320	ug/l	95

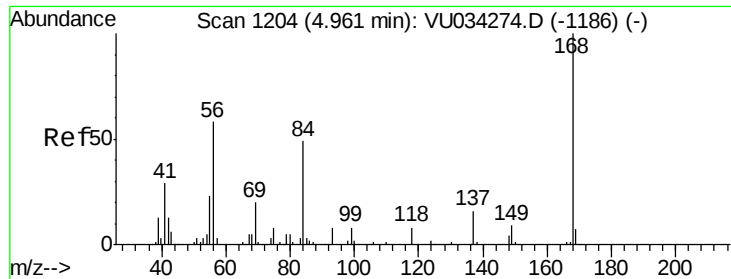
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU090719\
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Quant Title : SW846 8260
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.48	180	346078	49.821	ug/l	100
94) Hexachlorobutadiene	13.67	225	155337	46.353	ug/l	99
95) Naphthalene	13.72	128	1297233	65.006	ug/l	99
96) 1,2,3-Trichlorobenzene	13.97	180	342035	50.914	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.96 min Scan# 1204

Delta R.T. 0.00 min

Lab File: VU034342.D

Acq: 06 Sep 2019 19:40

Instrument :

MSVOA_U

ClientSampleId :

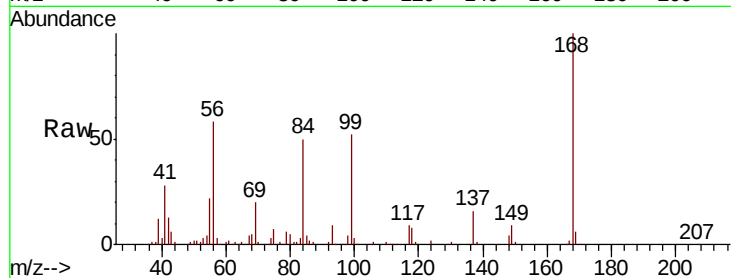
GW-200-B4-47.0-52.0-090519MS

Tgt Ion: 168 Resp: 307760

Ion Ratio Lower Upper

168 100

99 51.2 41.6 62.4



Abundance Ion 167.90 (167.60 to 168.60): VU034342.D (-1186) (-)

Ion 98.90 (98.60 to 99.60): VU034342.D (-1186) (-)

4.96

150000

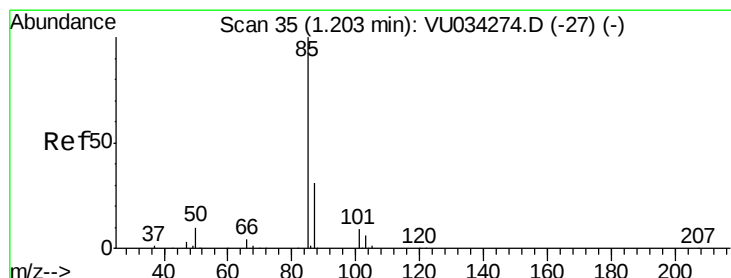
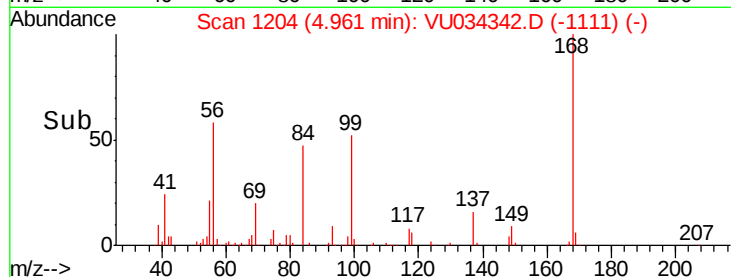
100000

50000

0

4.90 5.00 5.10

Time-->



#2

Dichlorodifluoromethane

Concen: 44.169 ug/l

RT: 1.20 min Scan# 35

Delta R.T. 0.00 min

Lab File: VU034342.D

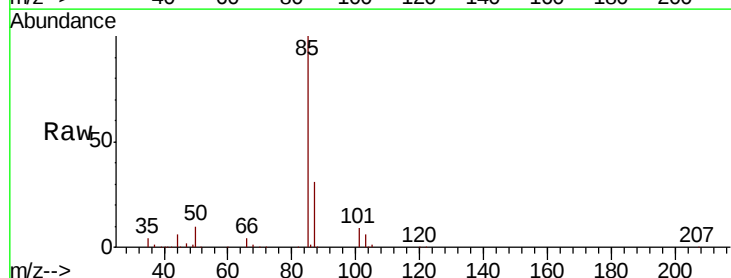
Acq: 06 Sep 2019 19:40

Tgt Ion: 85 Resp: 142169

Ion Ratio Lower Upper

85 100

87 31.4 15.7 47.0



Abundance Ion 84.90 (84.60 to 85.60): VU034342.D (-27) (-)

Ion 86.90 (86.60 to 87.60): VU034342.D (-27) (-)

1.20

150000

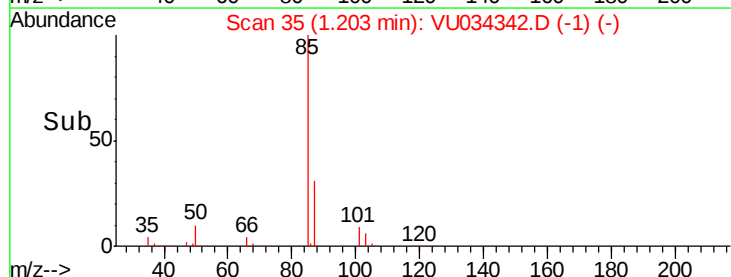
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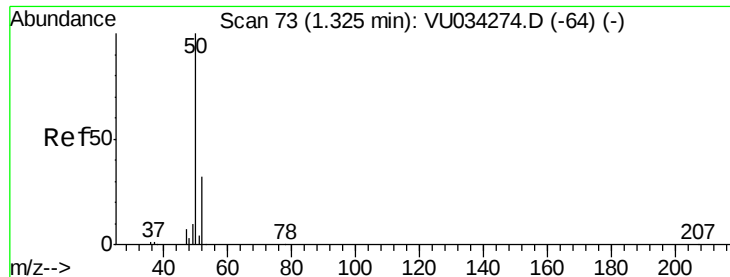
50000

0

1.15 1.20 1.25

Time-->





#3

Chloromethane

Concen: 48.425 ug/l

RT: 1.32 min Scan# 73

Delta R.T. 0.00 min

Lab File: VU034342.D

Acq: 06 Sep 2019 19:40

Instrument :

MSVOA_U

ClientSampleId :

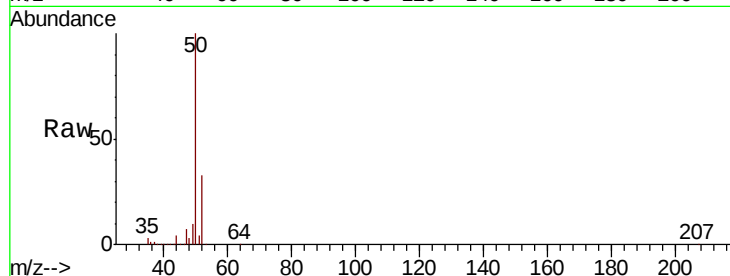
GW-200-B4-47.0-52.0-090519MS

Tgt Ion: 50 Resp: 168404

Ion Ratio Lower Upper

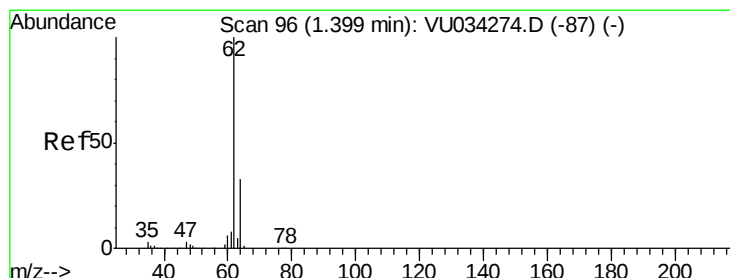
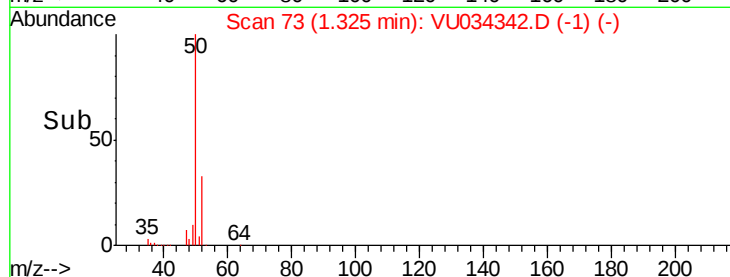
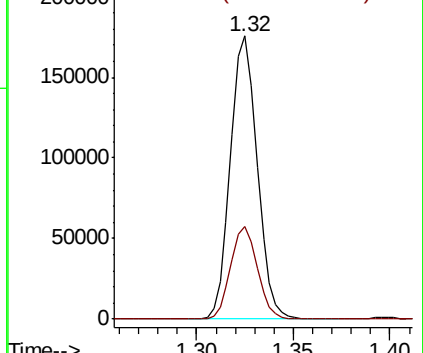
50 100

52 32.6 25.8 38.6



Abundance Ion 49.90 (49.60 to 50.60): VU034274.D (-64) (-)

Ion 51.90 (51.60 to 52.60): VU034274.D (-64) (-)



#4

Vinyl Chloride

Concen: 45.412 ug/l

RT: 1.40 min Scan# 96

Delta R.T. 0.00 min

Lab File: VU034342.D

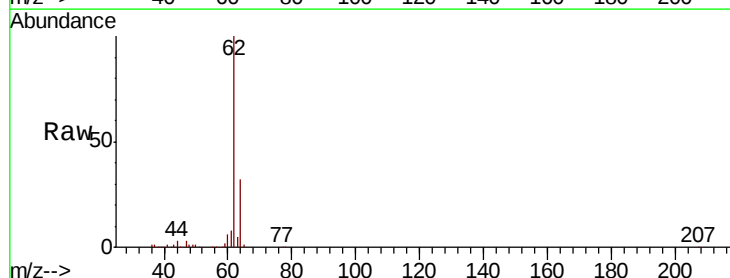
Acq: 06 Sep 2019 19:40

Tgt Ion: 62 Resp: 182143

Ion Ratio Lower Upper

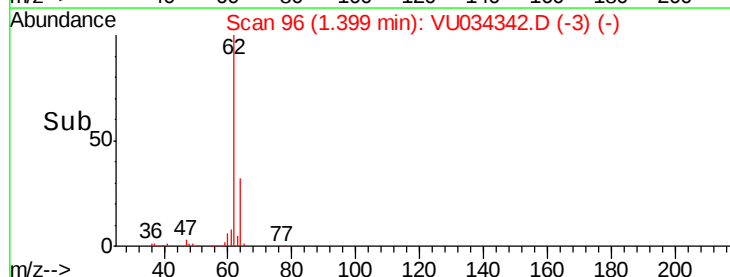
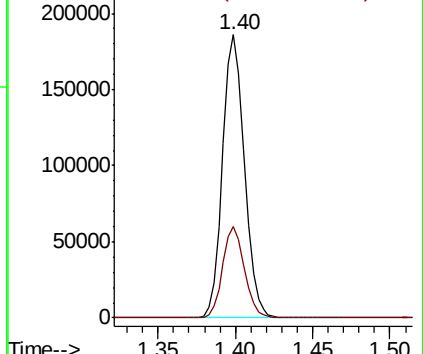
62 100

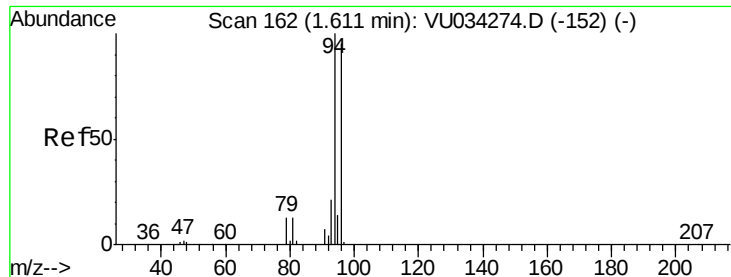
64 32.3 26.2 39.4



Abundance Ion 61.90 (61.60 to 62.60): VU034274.D (-87) (-)

Ion 63.90 (63.60 to 64.60): VU034274.D (-87) (-)





#5

Bromomethane

Concen: 54.058 ug/l

RT: 1.61 min Scan# 162

Delta R.T. 0.00 min

Lab File: VU034342.D

Acq: 06 Sep 2019 19:40

Instrument :

MSVOA_U

ClientSampleId :

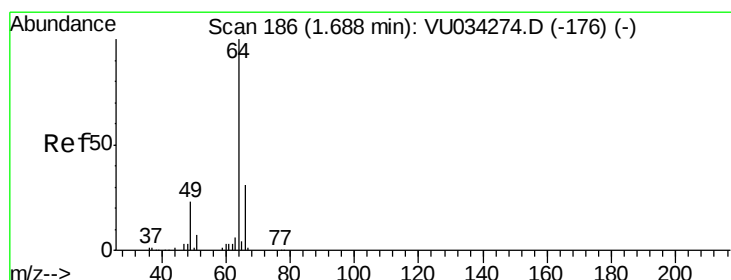
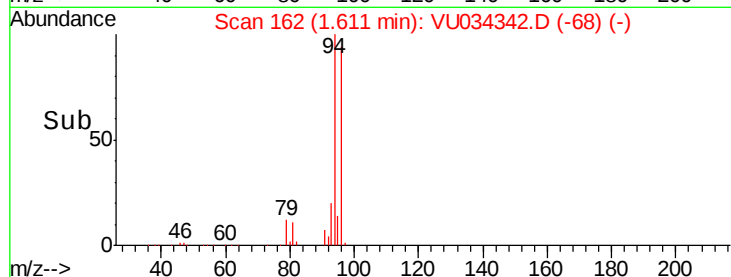
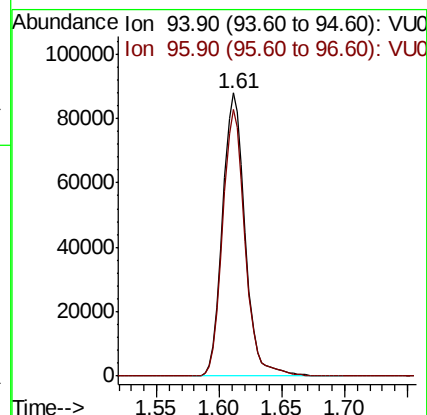
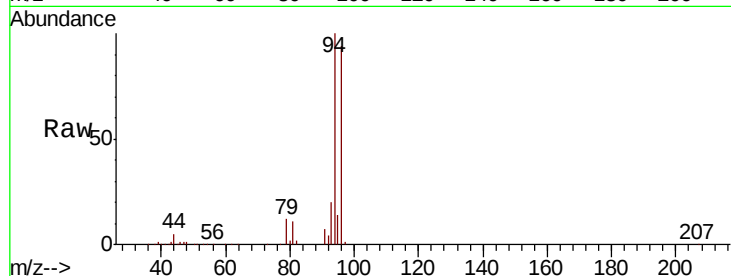
GW-200-B4-47.0-52.0-090519MS

Tgt Ion: 94 Resp: 109339

Ion Ratio Lower Upper

94 100

96 94.2 75.7 113.5



#6

Chloroethane

Concen: 49.830 ug/l

RT: 1.69 min Scan# 186

Delta R.T. 0.00 min

Lab File: VU034342.D

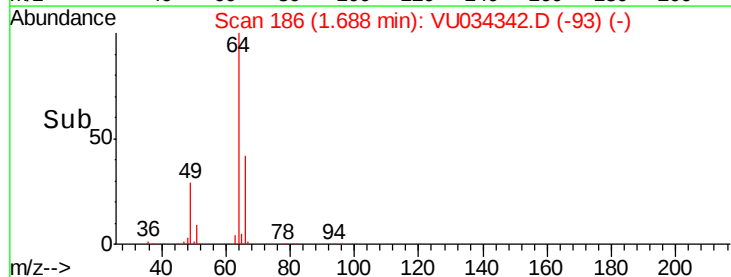
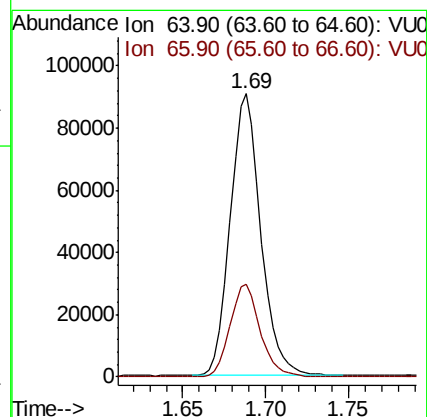
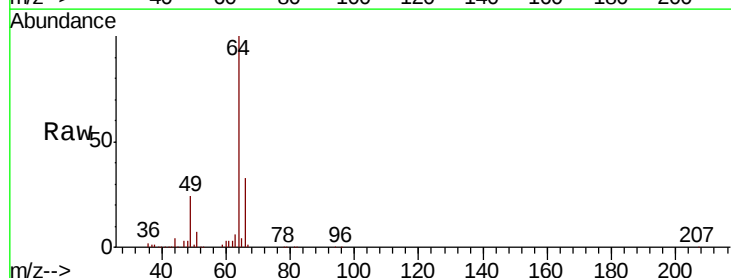
Acq: 06 Sep 2019 19:40

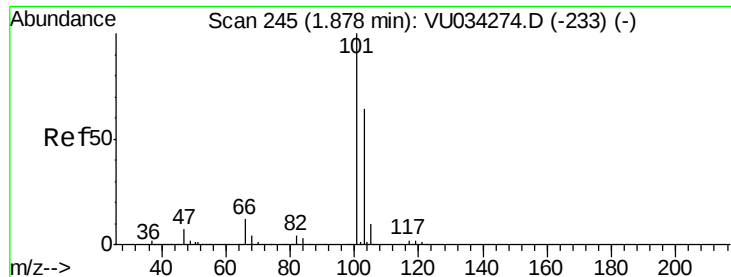
Tgt Ion: 64 Resp: 116174

Ion Ratio Lower Upper

64 100

66 33.0 25.0 37.6



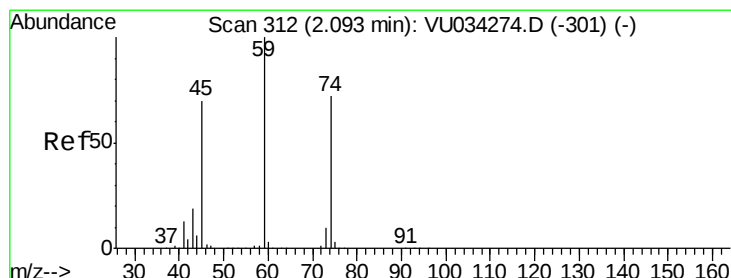
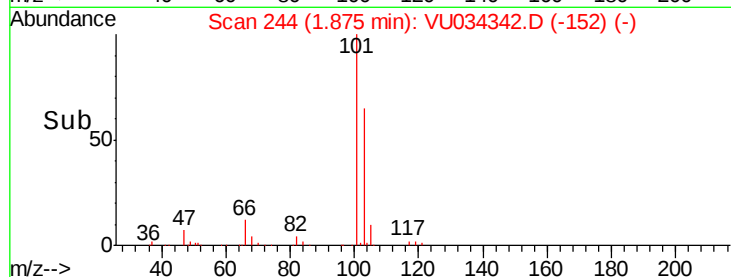
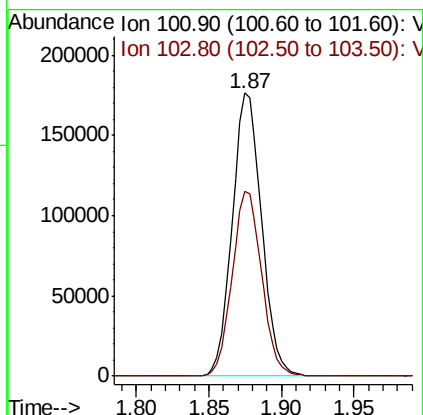
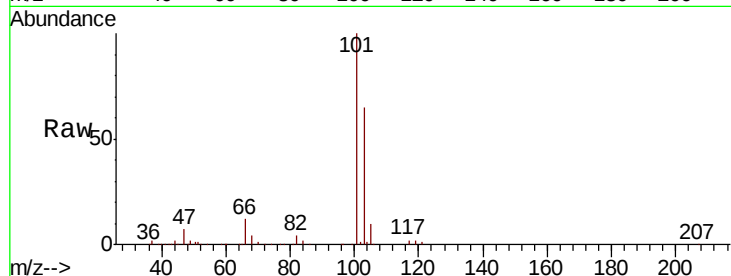


#7

Trichlorofluoromethane
 Concen: 45.981 ug/l
 RT: 1.87 min Scan# 244
 Delta R.T. -0.00 min
 Lab File: VU034342.D
 Acq: 06 Sep 2019 19:40

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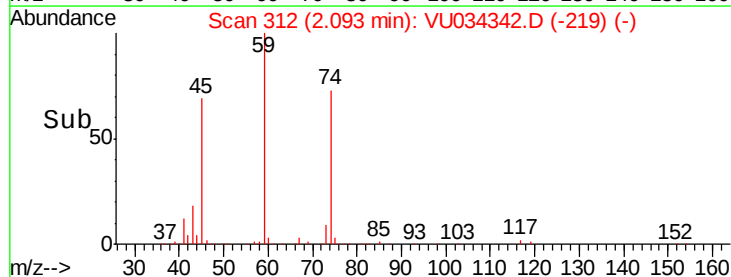
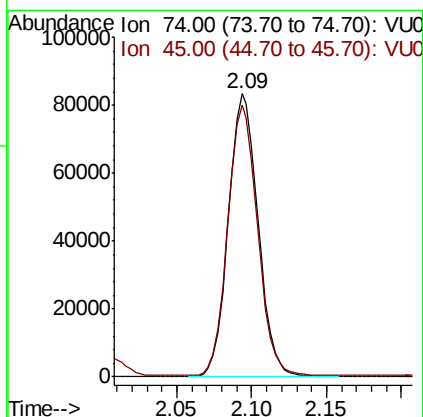
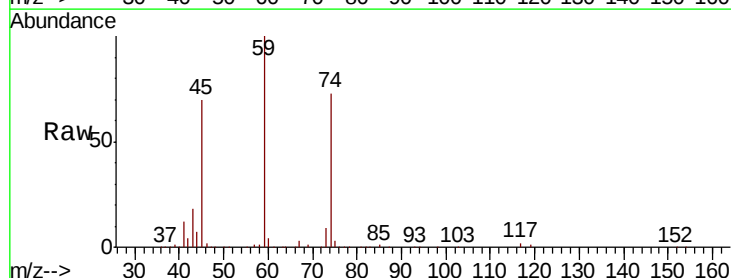
Tgt Ion:101 Resp: 247285
 Ion Ratio Lower Upper
 101 100
 103 65.4 51.0 76.6



#8

Diethyl Ether
 Concen: 48.819 ug/l
 RT: 2.09 min Scan# 312
 Delta R.T. 0.00 min
 Lab File: VU034342.D
 Acq: 06 Sep 2019 19:40

Tgt Ion: 74 Resp: 115485
 Ion Ratio Lower Upper
 74 100
 45 95.8 48.2 144.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 44.623 ug/l

RT: 2.27 min Scan# 368

Delta R.T. 0.00 min

Lab File: VU034342.D

Acq: 06 Sep 2019 19:40

Instrument :

MSVOA_U

ClientSampleId :

GW-200-B4-47.0-52.0-090519MS

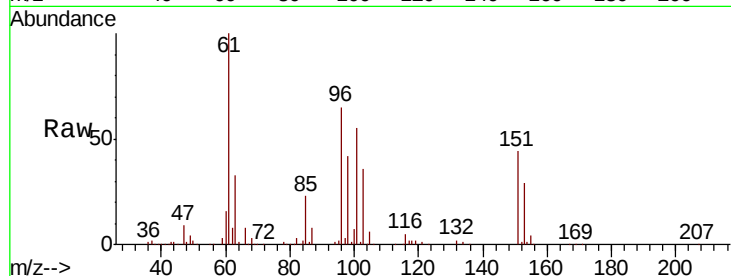
Tgt Ion:101 Resp: 158944

Ion Ratio Lower Upper

101 100

85 42.0 34.4 51.6

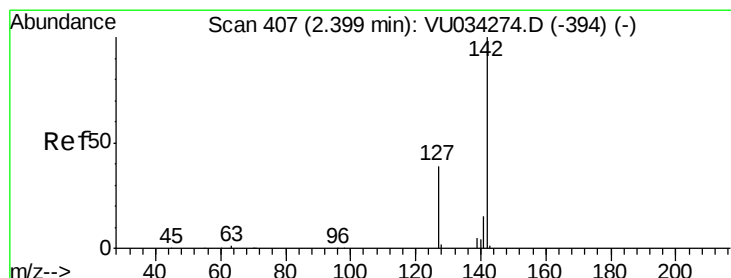
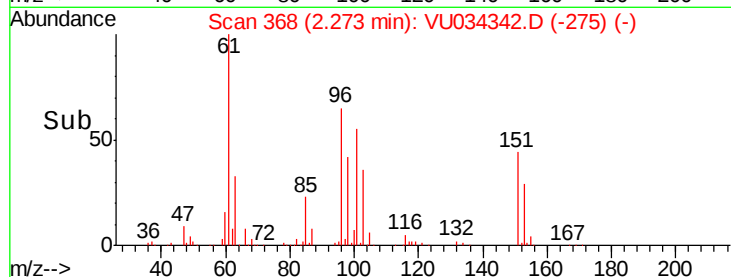
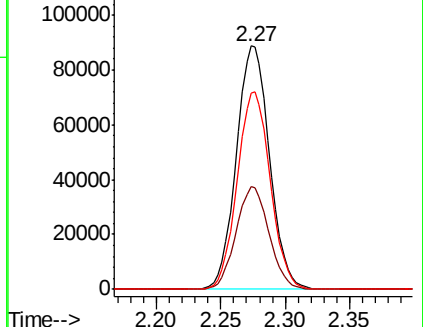
151 80.9 64.4 96.6



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VU0

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 47.301 ug/l

RT: 2.40 min Scan# 407

Delta R.T. 0.00 min

Lab File: VU034342.D

Acq: 06 Sep 2019 19:40

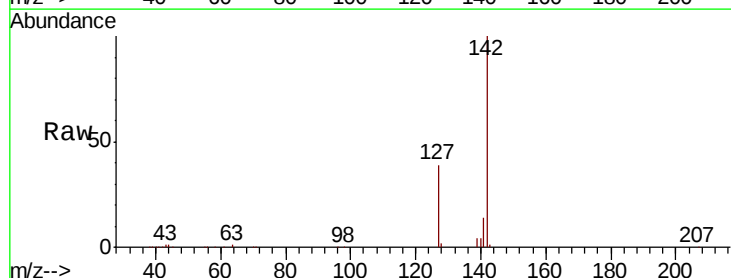
Tgt Ion:142 Resp: 153413

Ion Ratio Lower Upper

142 100

127 39.8 32.1 48.1

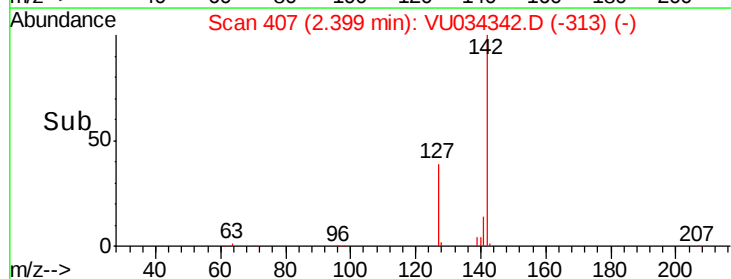
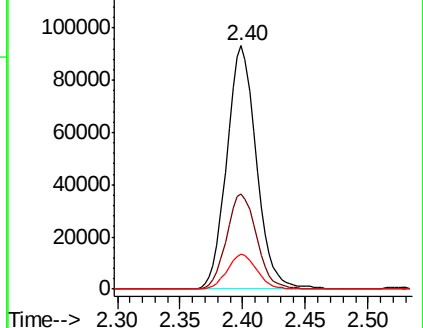
141 14.3 11.5 17.3

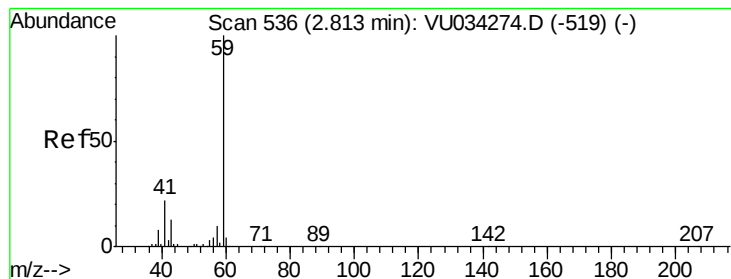


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



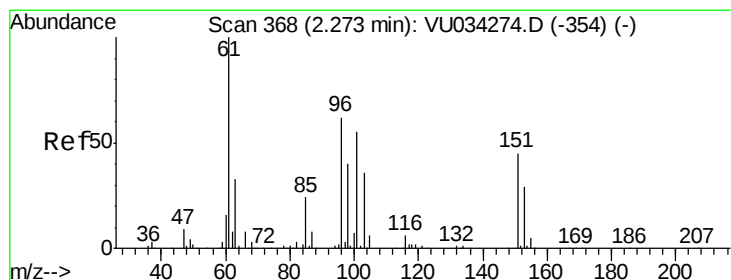
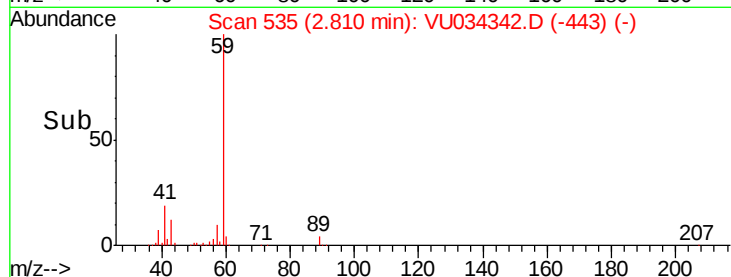
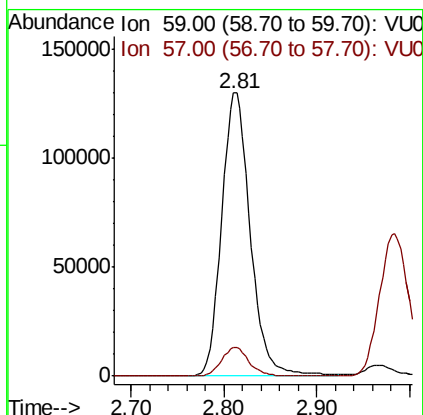
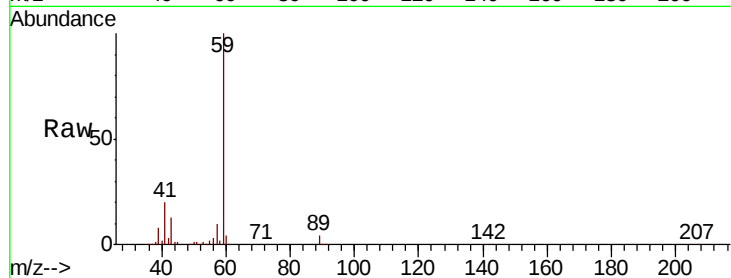


#11

Tert butyl alcohol
 Concen: 282.875 ug/l
 RT: 2.81 min Scan# 535
 Delta R.T. -0.00 min
 Lab File: VU034342.D
 Acq: 06 Sep 2019 19:40

Instrument :
 MSVOA_U
 ClientSampleId :
 GW-200-B4-47.0-52.0-090519MS

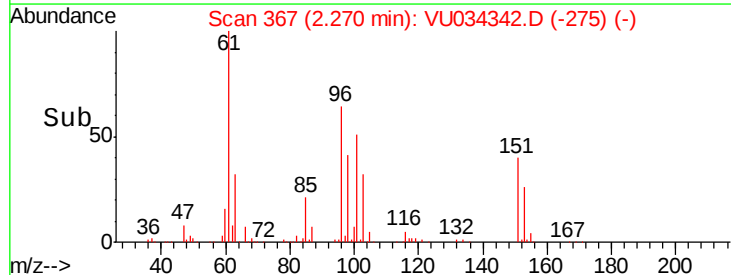
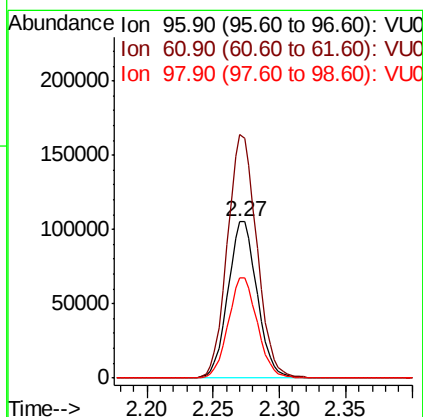
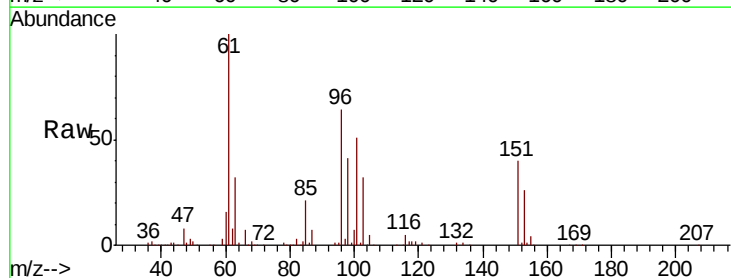
Tgt Ion: 59 Resp: 278278
 Ion Ratio Lower Upper
 59 100
 57 9.8 7.9 11.9

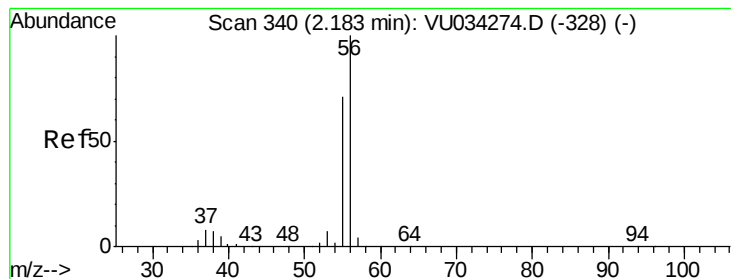


#12

1,1-Dichloroethene
 Concen: 48.296 ug/l
 RT: 2.27 min Scan# 367
 Delta R.T. -0.00 min
 Lab File: VU034342.D
 Acq: 06 Sep 2019 19:40

Tgt Ion: 96 Resp: 161717
 Ion Ratio Lower Upper
 96 100
 61 155.6 130.0 195.0
 98 63.9 52.2 78.4





#13

Acrolein

Concen: 160.494 ug/l

RT: 2.18 min Scan# 340

Delta R.T. 0.00 min

Lab File: VU034342.D

Acq: 06 Sep 2019 19:40

Instrument :

MSVOA_U

ClientSampleId :

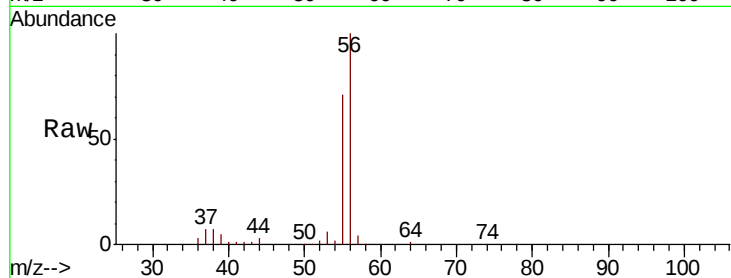
GW-200-B4-47.0-52.0-090519MS

Tgt Ion: 56 Resp: 132701

Ion Ratio Lower Upper

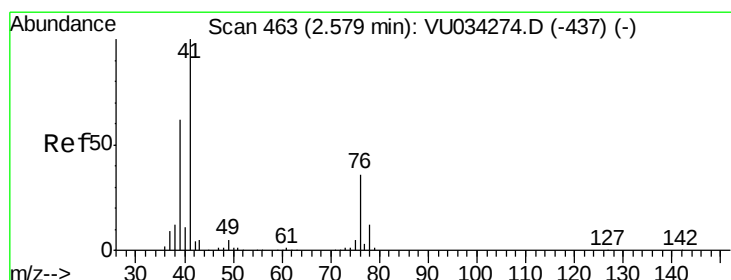
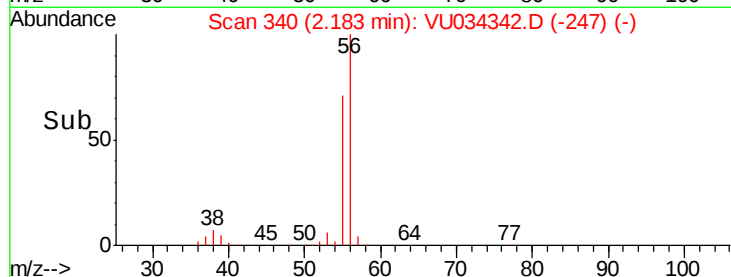
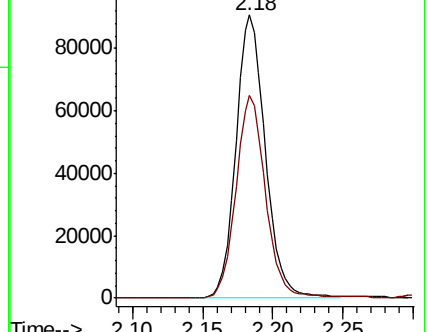
56 100

55 71.5 57.4 86.2



Abundance Ion 56.00 (55.70 to 56.70): VU034342.D (-328) (-)

Ion 55.00 (54.70 to 55.70): VU034342.D (-328) (-)



#14

Allyl chloride

Concen: 41.383 ug/l

RT: 2.58 min Scan# 463

Delta R.T. 0.00 min

Lab File: VU034342.D

Acq: 06 Sep 2019 19:40

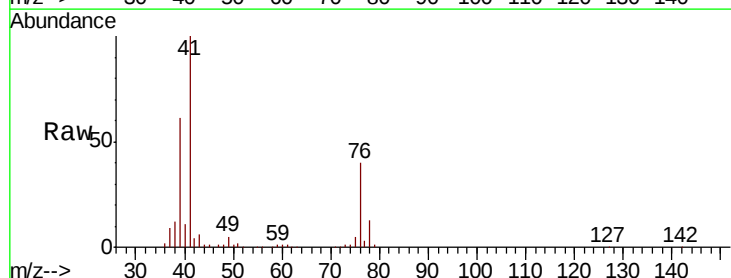
Tgt Ion: 41 Resp: 264916

Ion Ratio Lower Upper

41 100

39 58.7 43.5 65.3

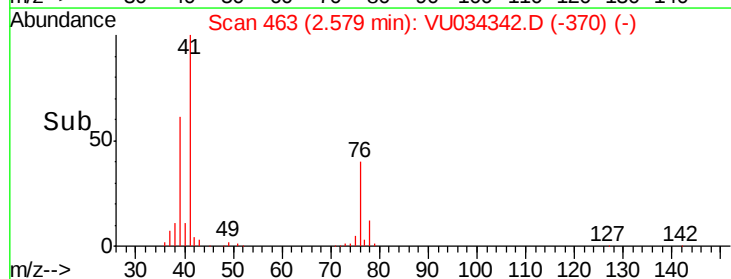
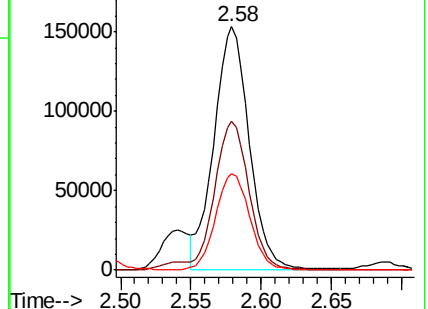
76 38.3 27.0 40.6

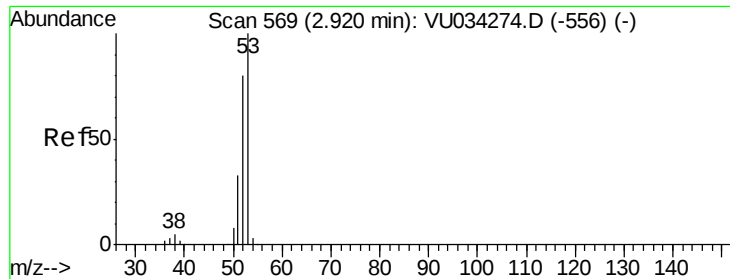


Abundance Ion 41.00 (40.70 to 41.70): VU034342.D (-437) (-)

Ion 39.00 (38.70 to 39.70): VU034342.D (-437) (-)

Ion 75.90 (75.60 to 76.60): VU034342.D (-437) (-)

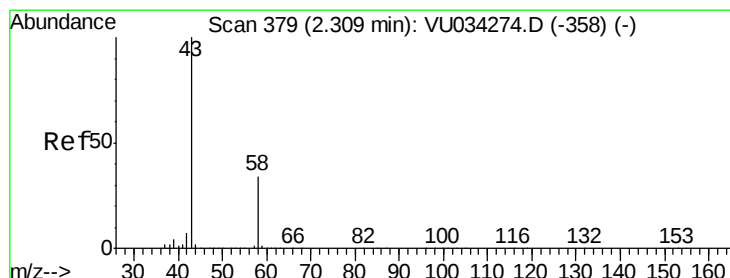
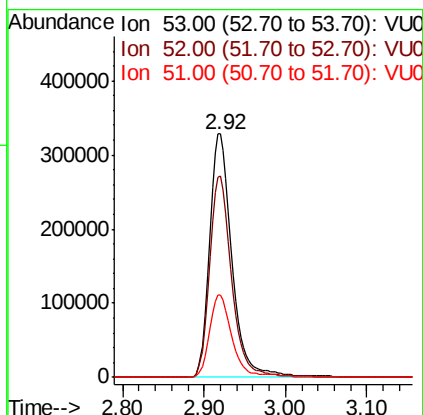
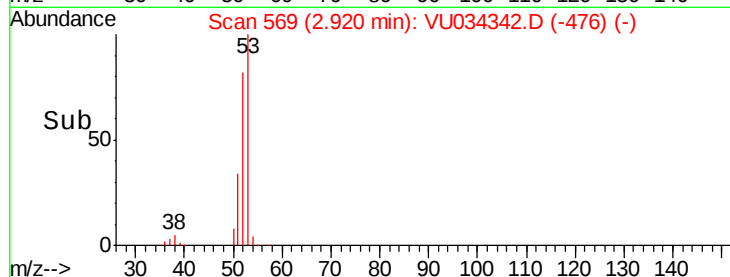
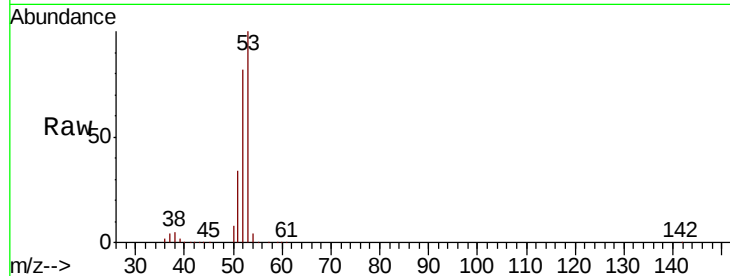




#15
Acrylonitrile
Concen: 260.241 ug/l
RT: 2.92 min Scan# 569
Delta R.T. 0.00 min
Lab File: VU034342.D
Acq: 06 Sep 2019 19:40

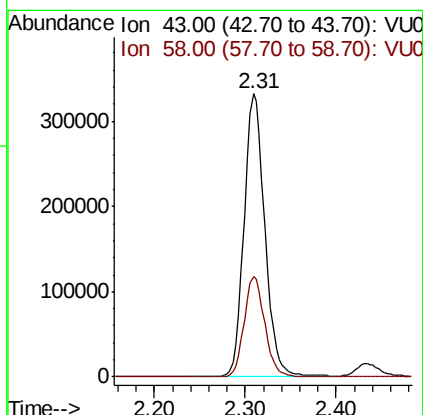
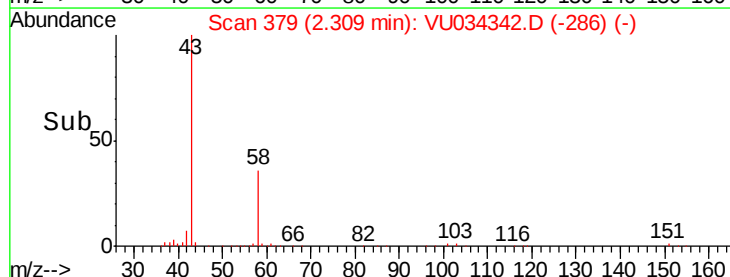
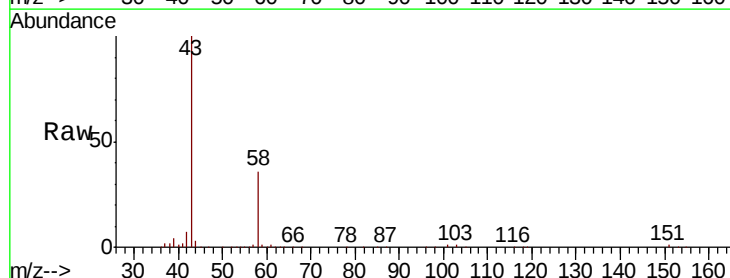
Instrument :
MSVOA_U
ClientSampleId :
GW-200-B4-47.0-52.0-090519MS

Tgt Ion: 53 Resp: 637530
Ion Ratio Lower Upper
53 100
52 81.3 64.1 96.1
51 34.6 27.4 41.0



#16
Acetone
Concen: 218.097 ug/l
RT: 2.31 min Scan# 379
Delta R.T. 0.00 min
Lab File: VU034342.D
Acq: 06 Sep 2019 19:40

Tgt Ion: 43 Resp: 525551
Ion Ratio Lower Upper
43 100
58 35.4 27.6 41.4

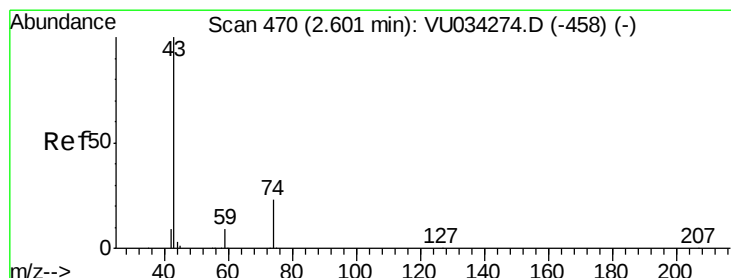
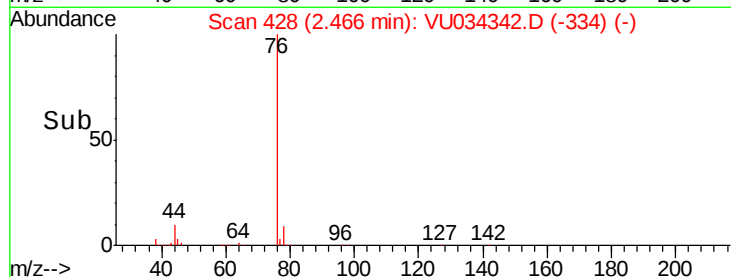
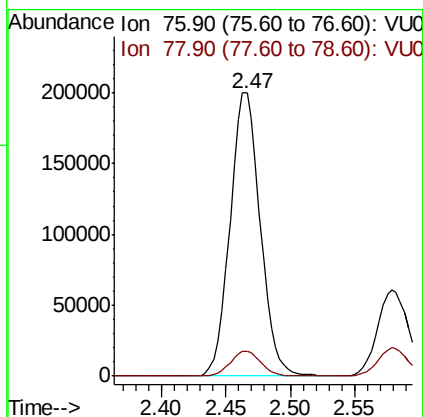
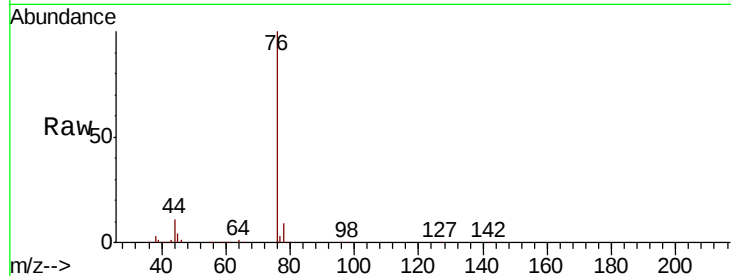




#17
Carbon Disulfide
Concen: 43.122 ug/l
RT: 2.47 min Scan# 428
Delta R.T. 0.00 min
Lab File: VU034342.D
Acq: 06 Sep 2019 19:40

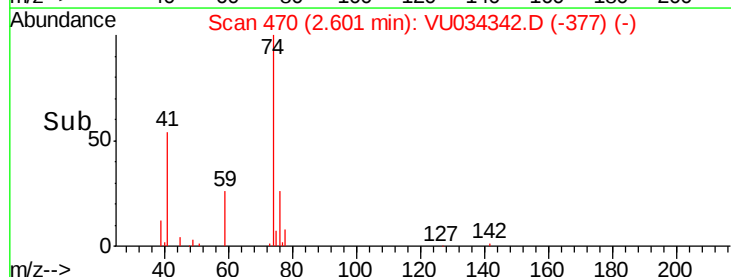
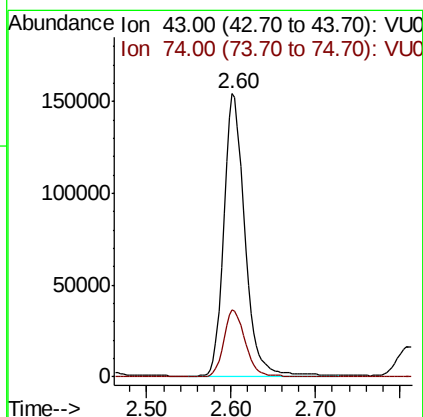
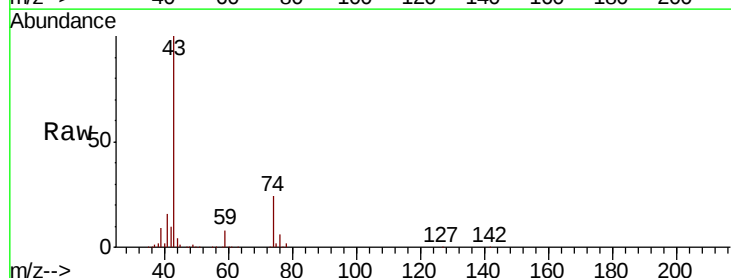
Instrument :
MSVOA_U
ClientSampleId :
GW-200-B4-47.0-52.0-090519MS

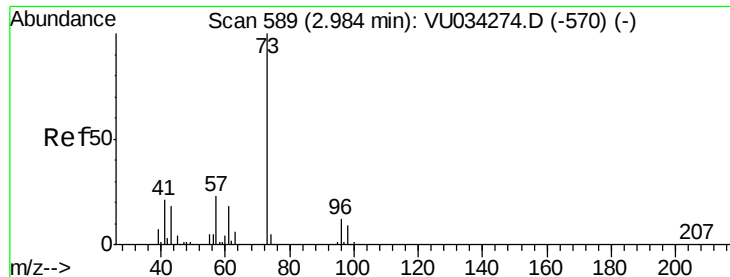
Tgt Ion: 76 Resp: 324521
Ion Ratio Lower Upper
76 100
78 8.8 7.2 10.8



#18
Methyl Acetate
Concen: 45.453 ug/l
RT: 2.60 min Scan# 470
Delta R.T. 0.00 min
Lab File: VU034342.D
Acq: 06 Sep 2019 19:40

Tgt Ion: 43 Resp: 266510
Ion Ratio Lower Upper
43 100
74 24.4 18.9 28.3

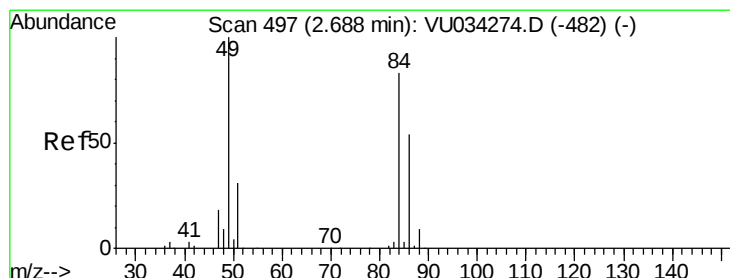
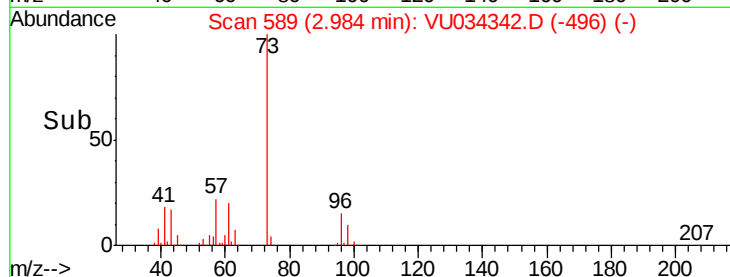
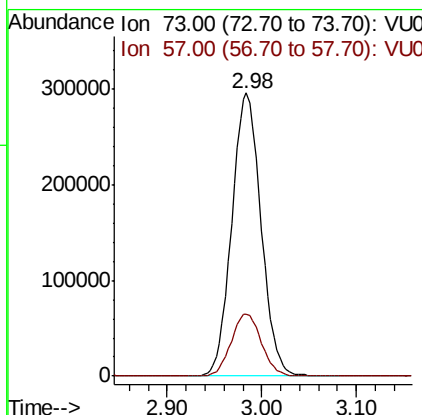
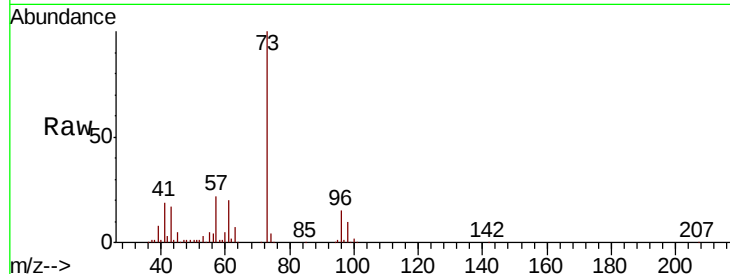




#19
Methyl tert-butyl Ether
Concen: 52.073 ug/l
RT: 2.98 min Scan# 589
Delta R.T. 0.00 min
Lab File: VU034342.D
Acq: 06 Sep 2019 19:40

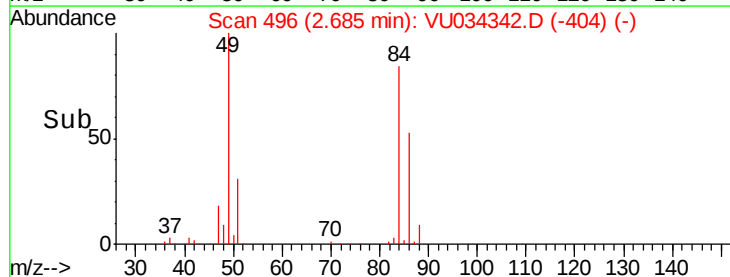
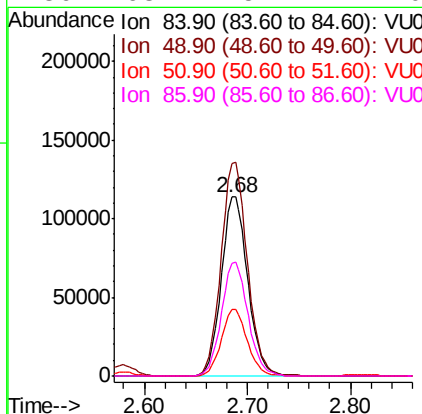
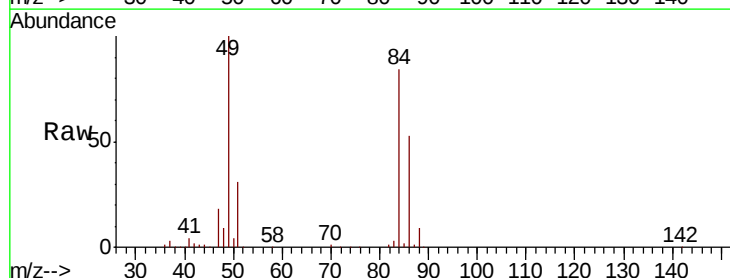
Instrument :
MSVOA_U
ClientSampleId :
GW-200-B4-47.0-52.0-090519MS

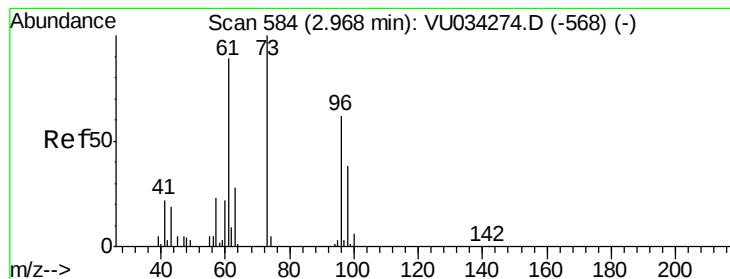
Tgt Ion: 73 Resp: 635539
Ion Ratio Lower Upper
73 100
57 22.1 18.2 27.4



#20
Methylene Chloride
Concen: 51.511 ug/l
RT: 2.68 min Scan# 496
Delta R.T. -0.00 min
Lab File: VU034342.D
Acq: 06 Sep 2019 19:40

Tgt Ion: 84 Resp: 203262
Ion Ratio Lower Upper
84 100
49 118.9 96.0 144.0
51 36.9 30.0 45.0
86 63.1 51.4 77.0





#21

trans-1,2-Dichloroethene

Concen: 61.467 ug/l

RT: 2.97 min Scan# 584

Delta R.T. 0.00 min

Lab File: VU034342.D

Acq: 06 Sep 2019 19:40

Instrument :

MSVOA_U

ClientSampleId :

GW-200-B4-47.0-52.0-090519MS

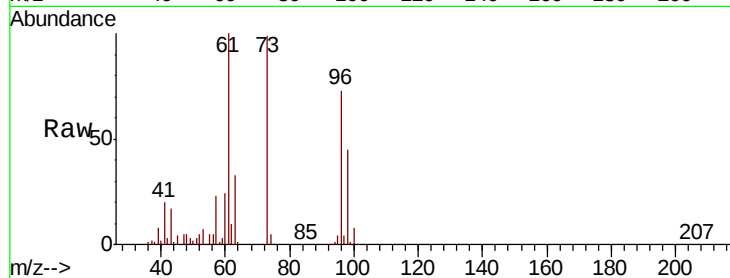
Tgt Ion: 96 Resp: 216893

Ion Ratio Lower Upper

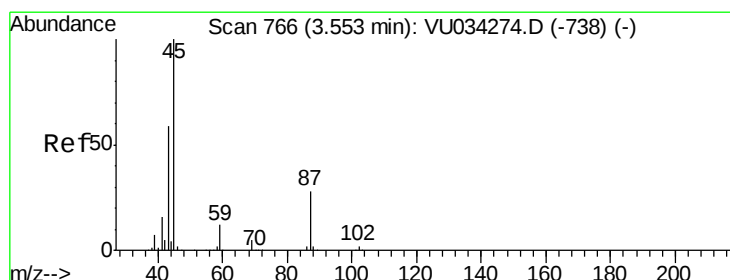
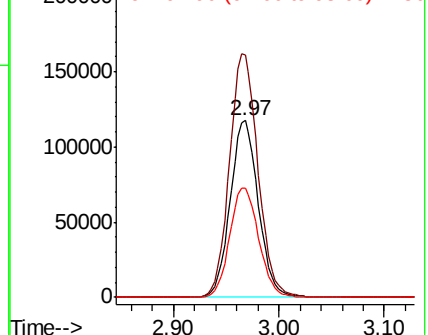
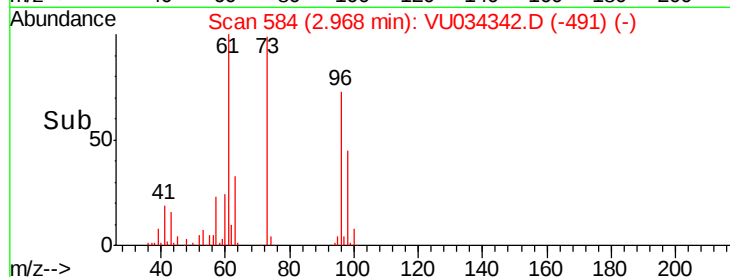
96 100

61 137.4 114.8 172.2

98 61.6 49.8 74.8



Abundance Ion 95.90 (95.60 to 96.60): VU034342.D (-491) (-)



#22

Diisopropyl ether

Concen: 51.348 ug/l

RT: 3.55 min Scan# 766

Delta R.T. 0.00 min

Lab File: VU034342.D

Acq: 06 Sep 2019 19:40

Tgt Ion: 45 Resp: 641035

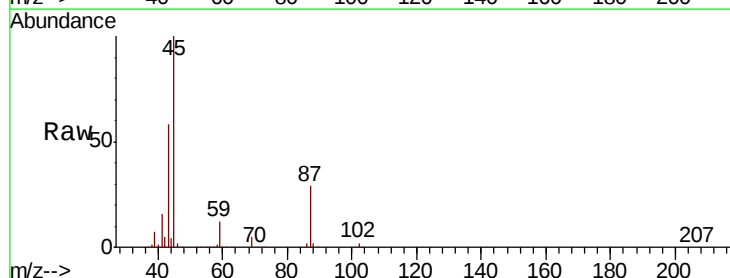
Ion Ratio Lower Upper

45 100

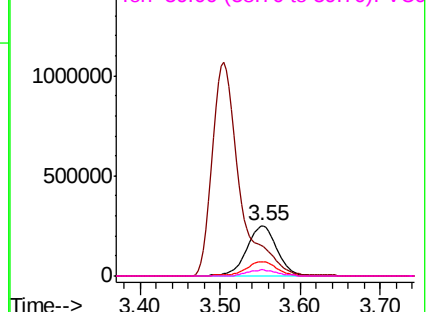
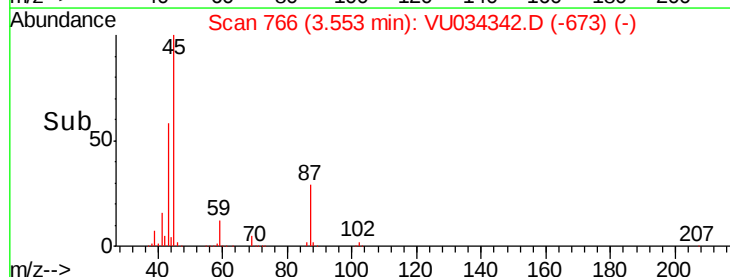
43 57.7 47.5 71.3

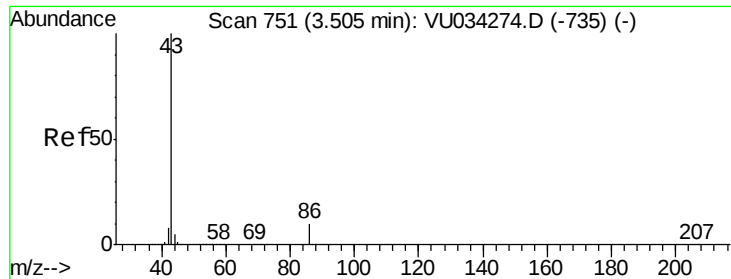
87 28.9 22.2 33.4

59 12.0 9.4 14.2



Abundance Ion 45.00 (44.70 to 45.70): VU034342.D (-673) (-)





#23

Vinyl Acetate

Concen: 252.108 ug/l

RT: 3.50 min Scan# 751

Delta R.T. 0.00 min

Lab File: VU034342.D

Acq: 06 Sep 2019 19:40

Instrument :

MSVOA_U

ClientSampleId :

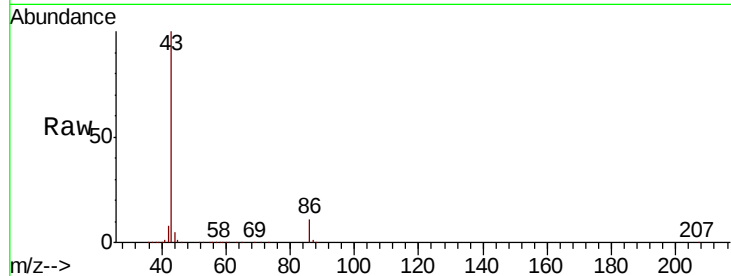
GW-200-B4-47.0-52.0-090519MS

Tgt Ion: 43 Resp: 2563691

Ion Ratio Lower Upper

43 100

86 10.9 8.3 12.5



Abundance Ion 43.00 (42.70 to 43.70): VU034342.D (-658) (-)

Ion 86.00 (85.70 to 86.70): VU034342.D (-658) (-)

3.50

1200000

1000000

800000

600000

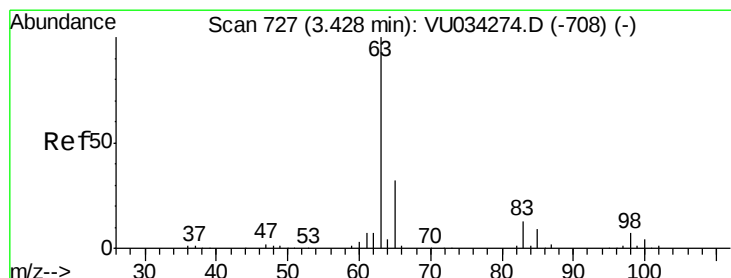
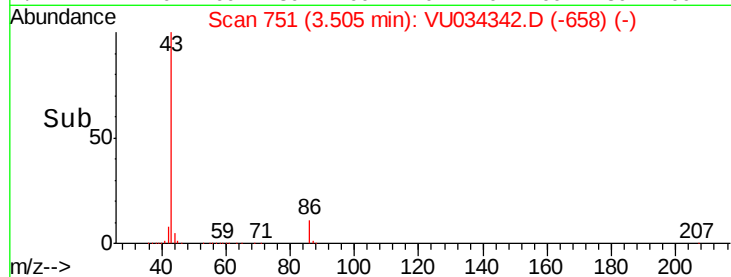
400000

200000

0

Time-->

3.40 3.50 3.60 3.70



#24

1,1-Dichloroethane

Concen: 47.965 ug/l

RT: 3.43 min Scan# 727

Delta R.T. 0.00 min

Lab File: VU034342.D

Acq: 06 Sep 2019 19:40

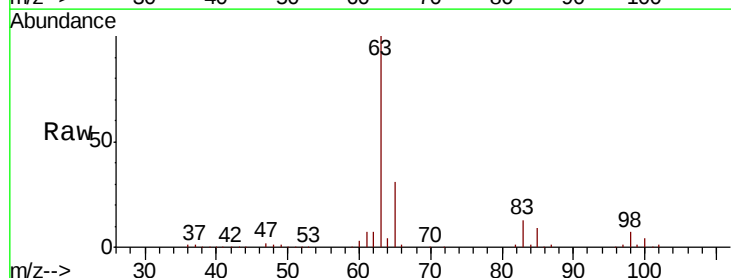
Tgt Ion: 63 Resp: 357595

Ion Ratio Lower Upper

63 100

98 6.7 3.5 10.4

100 4.2 2.1 6.5



Abundance Ion 62.90 (62.60 to 63.60): VU034342.D (-634) (-)

Ion 97.90 (97.60 to 98.60): VU034342.D (-634) (-)

Ion 99.90 (99.60 to 100.60): VU034342.D (-634) (-)

200000

150000

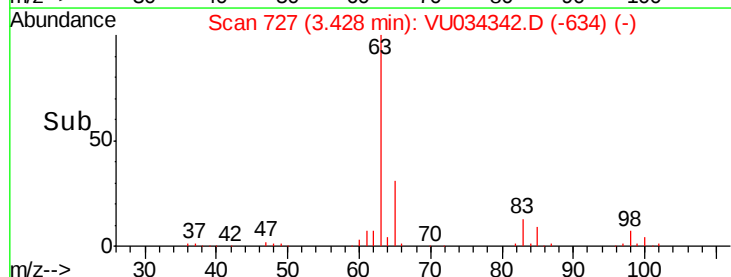
100000

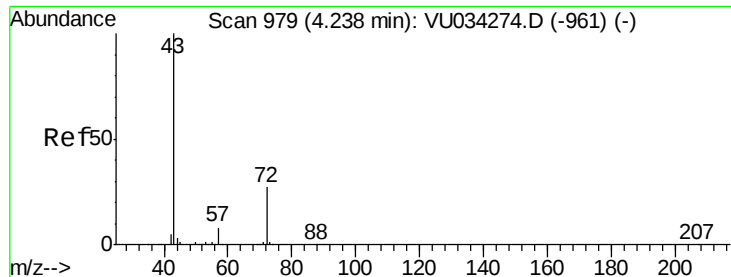
50000

0

Time-->

3.30 3.40 3.50





#25

2-Butanone

Concen: 256.368 ug/l

RT: 4.24 min Scan# 979

Delta R.T. 0.00 min

Lab File: VU034342.D

Acq: 06 Sep 2019 19:40

Instrument :

MSVOA_U

ClientSampleId :

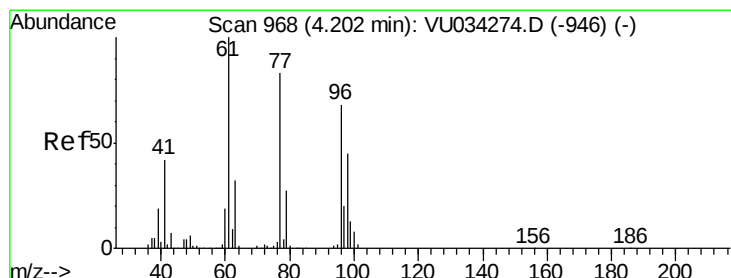
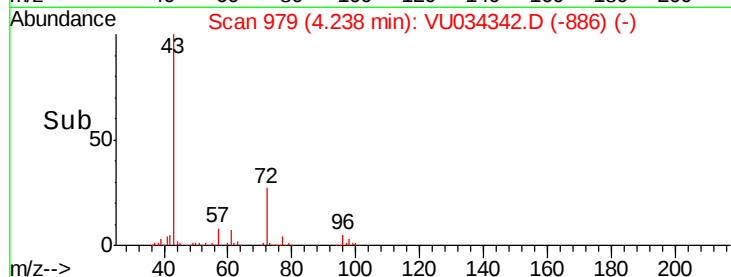
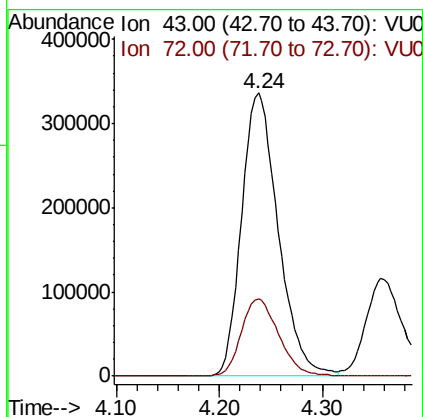
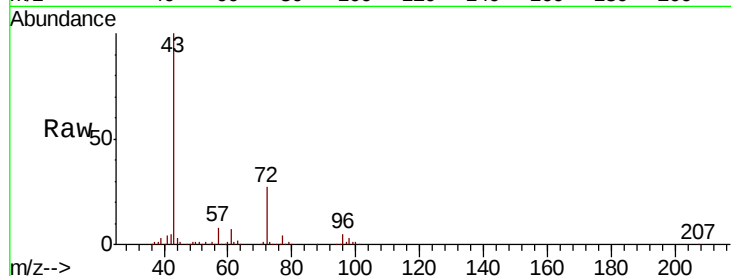
GW-200-B4-47.0-52.0-090519MS

Tgt Ion: 43 Resp: 824646

Ion Ratio Lower Upper

43 100

72 27.3 21.8 32.6



#26

2,2-Dichloropropane

Concen: 43.474 ug/l

RT: 4.20 min Scan# 968

Delta R.T. 0.00 min

Lab File: VU034342.D

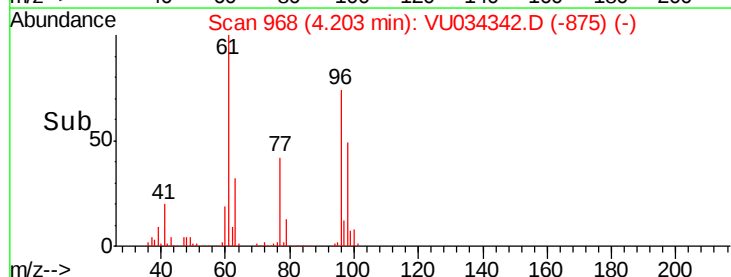
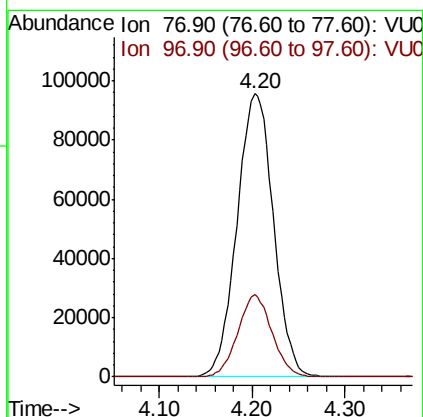
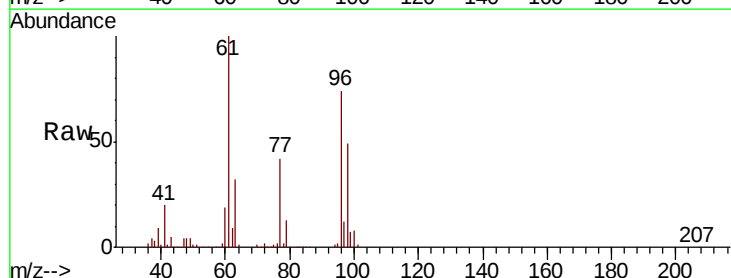
Acq: 06 Sep 2019 19:40

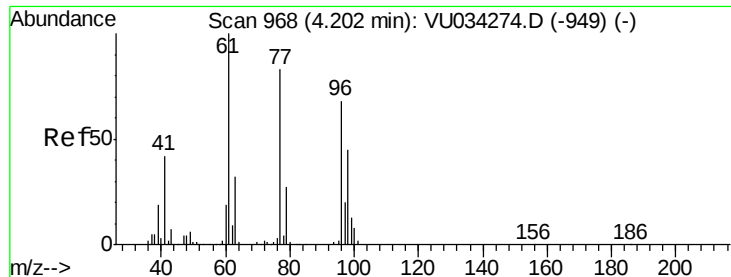
Tgt Ion: 77 Resp: 260679

Ion Ratio Lower Upper

77 100

97 27.2 11.8 35.3



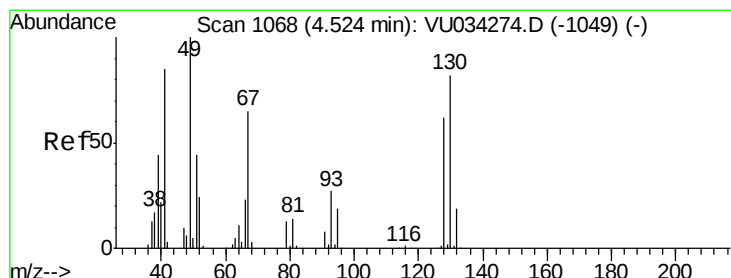
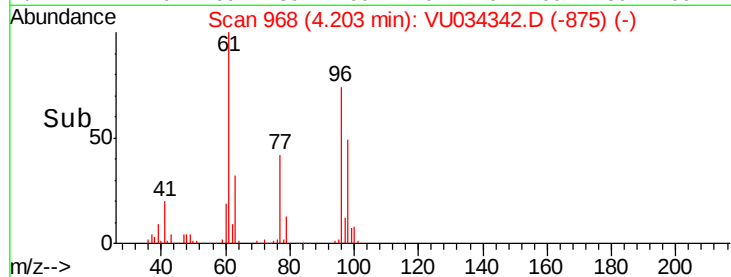
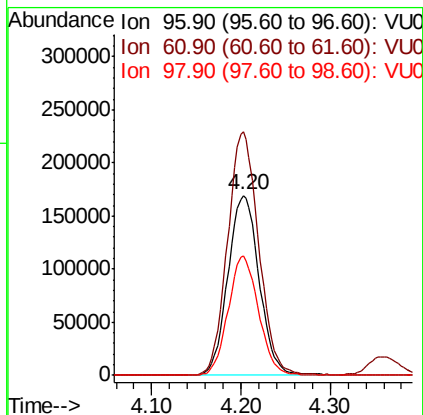
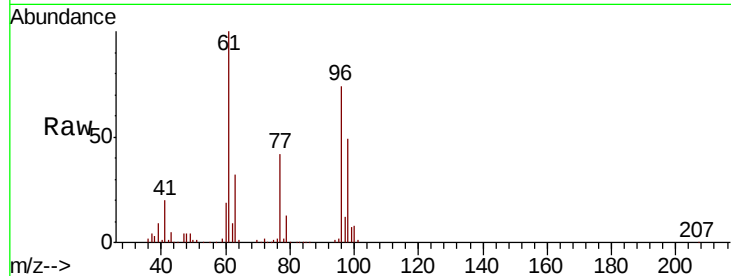


#27

cis-1,2-Dichloroethene
 Concen: 96.062 ug/l
 RT: 4.20 min Scan# 968
 Delta R.T. 0.00 min
 Lab File: VU034342.D
 Acq: 06 Sep 2019 19:40

Instrument :
 MSVOA_U
 ClientSampleId :
 GW-200-B4-47.0-52.0-090519MS

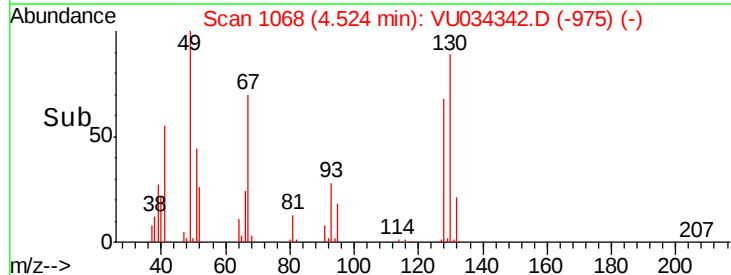
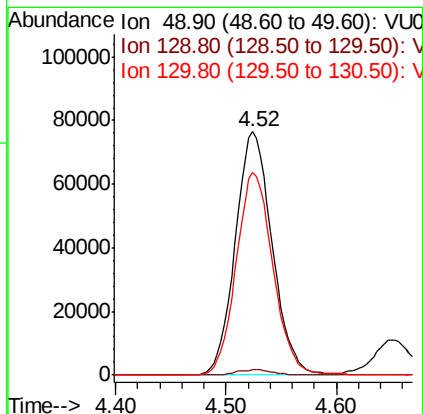
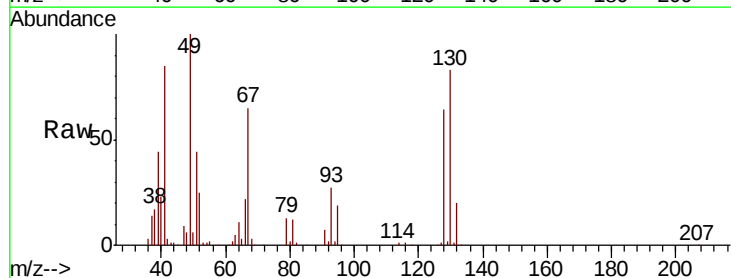
Tgt Ion: 96 Resp: 411684
 Ion Ratio Lower Upper
 96 100
 61 134.5 0.0 297.4
 98 64.5 0.0 130.0

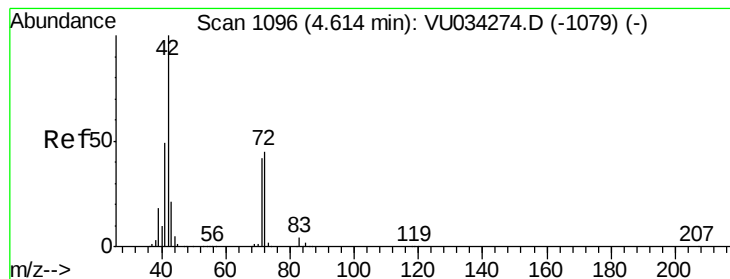


#28

Bromochloromethane
 Concen: 51.669 ug/l
 RT: 4.52 min Scan# 1068
 Delta R.T. 0.00 min
 Lab File: VU034342.D
 Acq: 06 Sep 2019 19:40

Tgt Ion: 49 Resp: 177182
 Ion Ratio Lower Upper
 49 100
 129 2.0 0.0 3.8
 130 83.1 65.2 97.8





#29

Tetrahydrofuran

Concen: 267.472 ug/l

RT: 4.61 min Scan# 1096

Delta R.T. 0.00 min

Lab File: VU034342.D

Acq: 06 Sep 2019 19:40

Instrument :

MSVOA_U

ClientSampleId :

GW-200-B4-47.0-52.0-090519MS

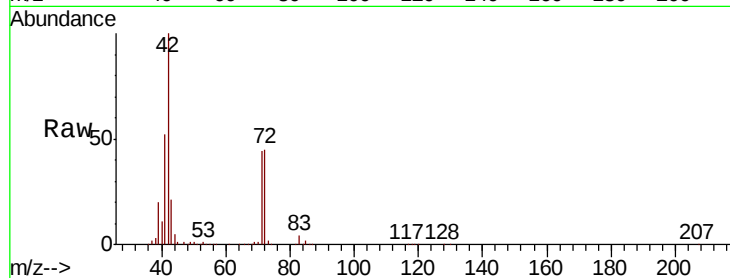
Tgt Ion: 42 Resp: 523538

Ion Ratio Lower Upper

42 100

72 46.4 36.6 54.8

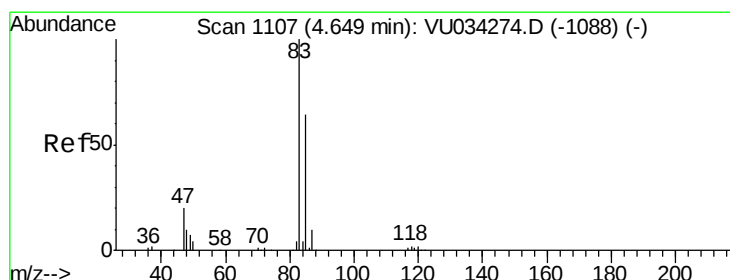
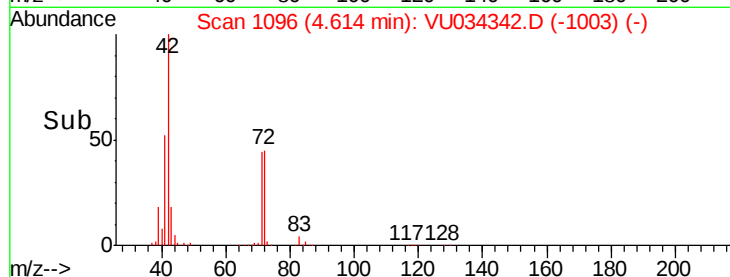
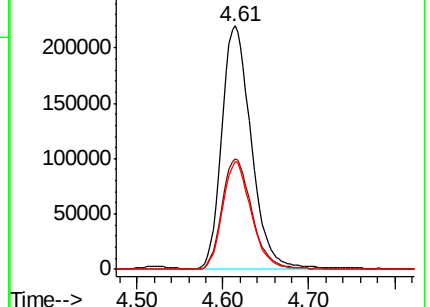
71 43.5 34.3 51.5



Abundance Ion 42.00 (41.70 to 42.70): VU034342.D (-1079) (-)

Ion 72.00 (71.70 to 72.70): VU034342.D (-1079) (-)

Ion 71.00 (70.70 to 71.70): VU034342.D (-1079) (-)



#30

Chloroform

Concen: 48.564 ug/l

RT: 4.65 min Scan# 1107

Delta R.T. 0.00 min

Lab File: VU034342.D

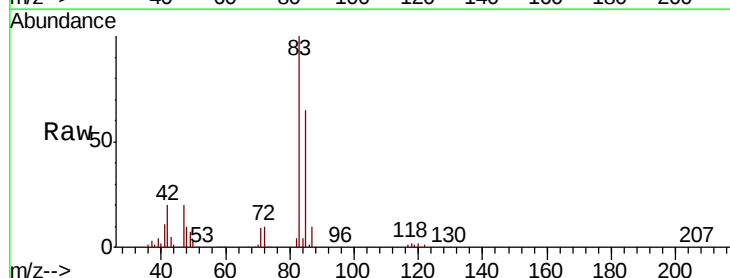
Acq: 06 Sep 2019 19:40

Tgt Ion: 83 Resp: 368026

Ion Ratio Lower Upper

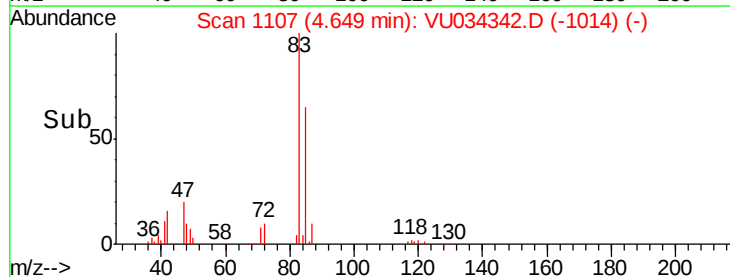
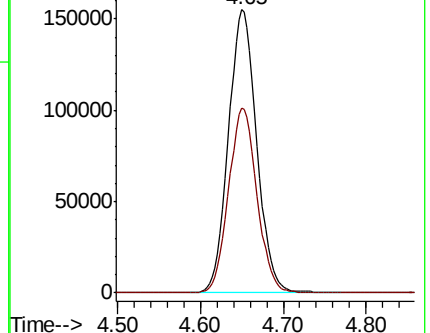
83 100

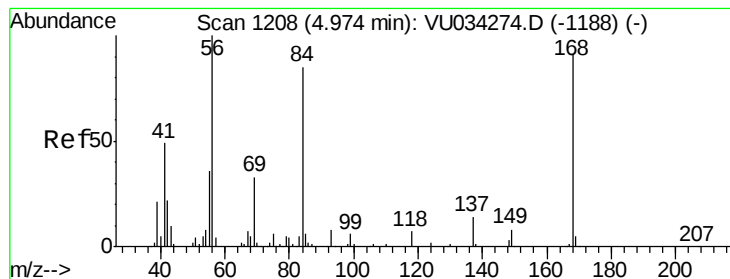
85 65.2 51.5 77.3



Abundance Ion 82.90 (82.60 to 83.60): VU034342.D (-1088) (-)

Ion 84.90 (84.60 to 85.60): VU034342.D (-1088) (-)





#31

Cyclohexane

Concen: 45.920 ug/l

RT: 4.97 min Scan# 1208

Delta R.T. 0.00 min

Lab File: VU034342.D

Acq: 06 Sep 2019 19:40

Instrument :

MSVOA_U

ClientSampleId :

GW-200-B4-47.0-52.0-090519MS

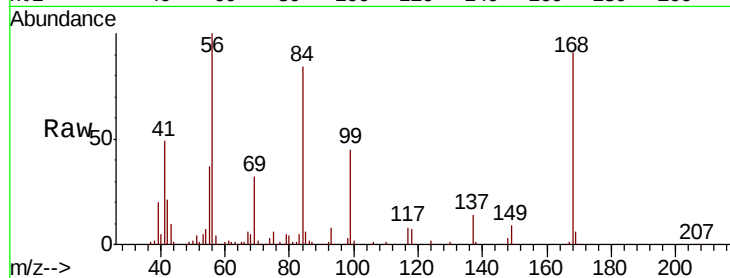
Tgt Ion: 56 Resp: 250460

Ion Ratio Lower Upper

56 100

69 32.1 26.7 40.1

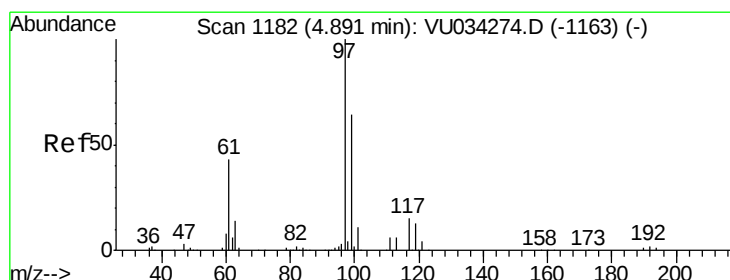
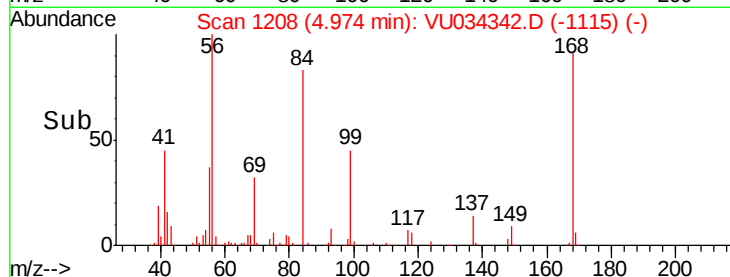
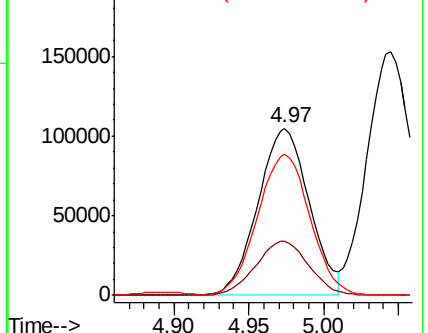
84 83.4 68.2 102.4



Abundance Ion 56.00 (55.70 to 56.70): VU034342.D (-1188) (-)

Ion 69.00 (68.70 to 69.70): VU034342.D (-1188) (-)

Ion 84.00 (83.70 to 84.70): VU034342.D (-1188) (-)



#32

1,1,1-Trichloroethane

Concen: 47.972 ug/l

RT: 4.89 min Scan# 1183

Delta R.T. 0.00 min

Lab File: VU034342.D

Acq: 06 Sep 2019 19:40

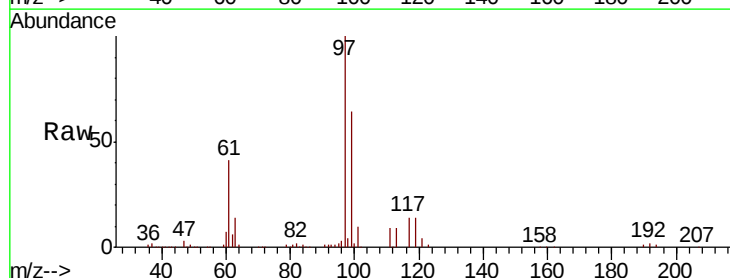
Tgt Ion: 97 Resp: 290658

Ion Ratio Lower Upper

97 100

99 64.1 50.9 76.3

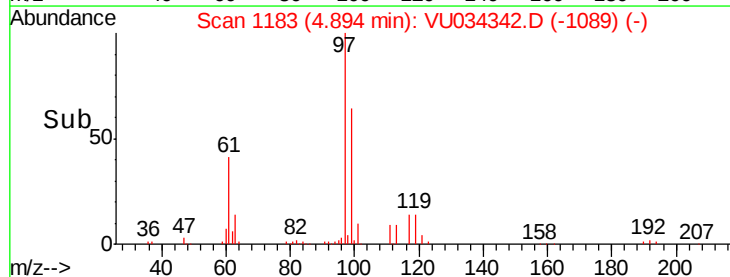
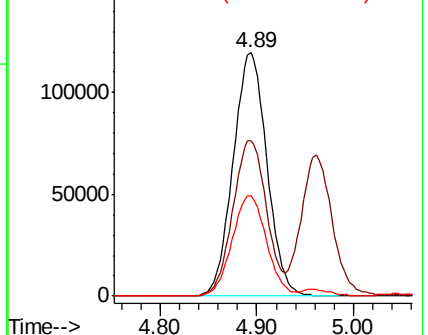
61 42.2 34.7 52.1

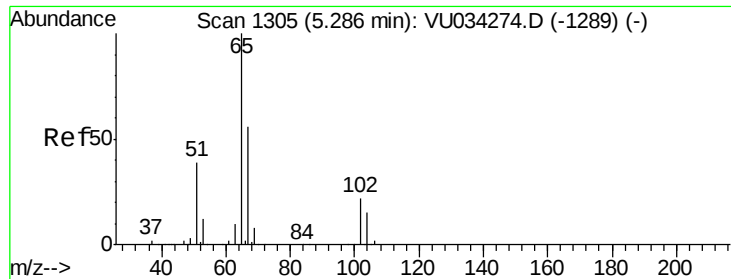


Abundance Ion 96.90 (96.60 to 97.60): VU034342.D (-1089) (-)

Ion 98.90 (98.60 to 99.60): VU034342.D (-1089) (-)

Ion 60.90 (60.60 to 61.60): VU034342.D (-1089) (-)

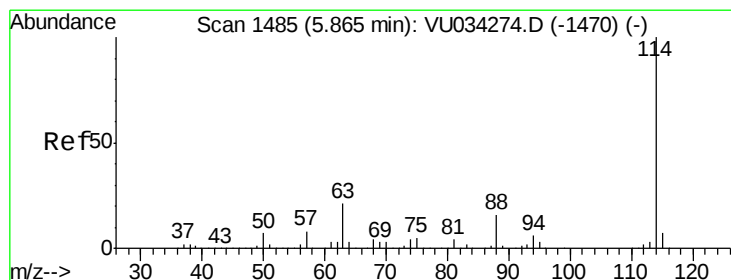
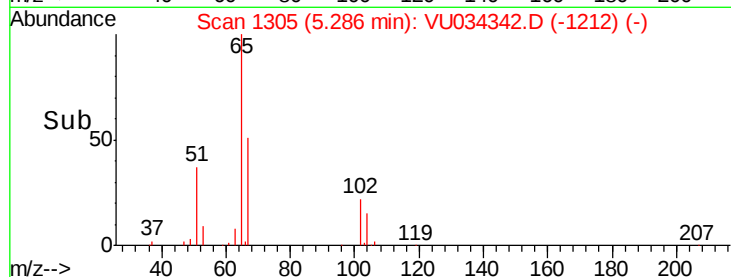
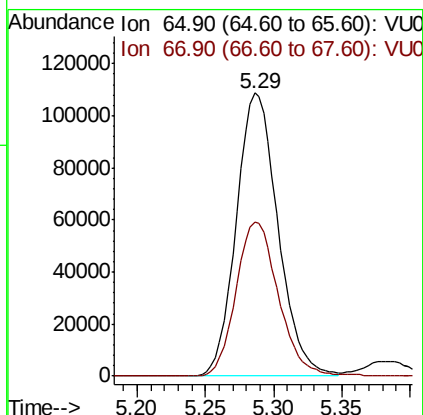
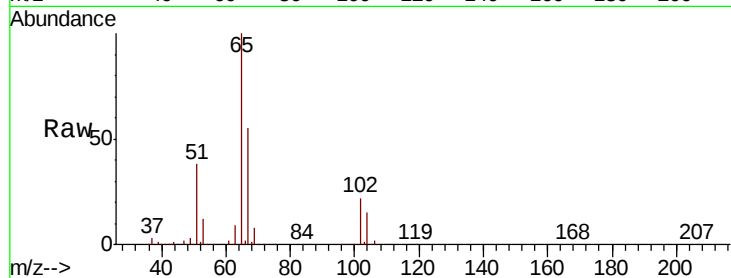




#33
 1,2-Dichloroethane-d4
 Concen: 49.634 ug/l
 RT: 5.29 min Scan# 1305
 Delta R.T. 0.00 min
 Lab File: VU034342.D
 Acq: 06 Sep 2019 19:40

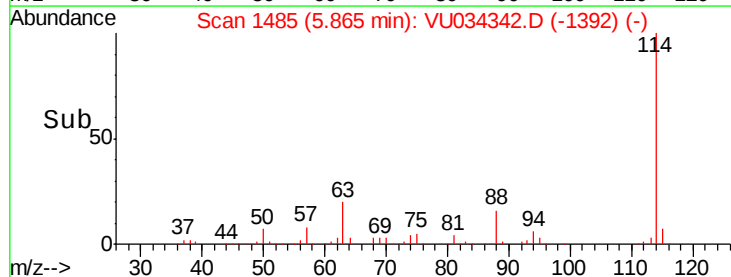
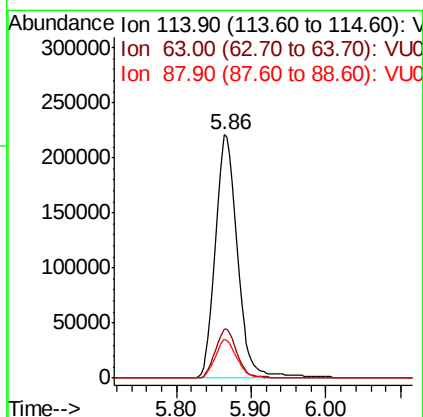
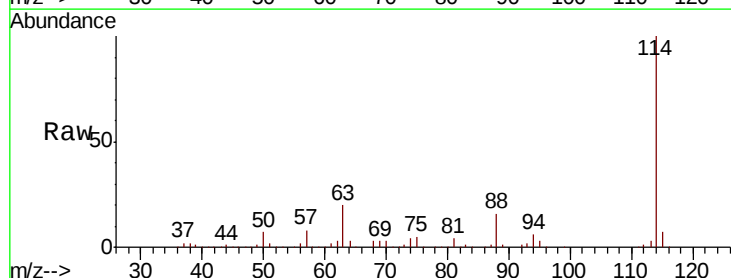
Instrument :
 MSVOA_U
 ClientSampleId :
 GW-200-B4-47.0-52.0-090519MS

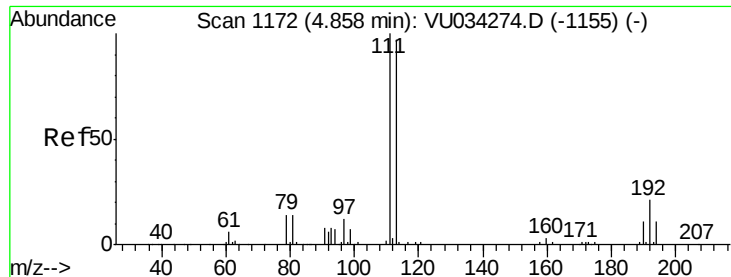
Tgt Ion: 65 Resp: 231119
 Ion Ratio Lower Upper
 65 100
 67 55.3 0.0 112.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.86 min Scan# 1485
 Delta R.T. 0.00 min
 Lab File: VU034342.D
 Acq: 06 Sep 2019 19:40

Tgt Ion: 114 Resp: 457211
 Ion Ratio Lower Upper
 114 100
 63 20.0 0.0 42.4
 88 16.0 0.0 32.4

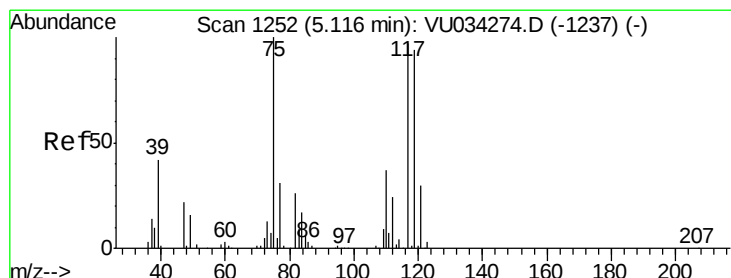
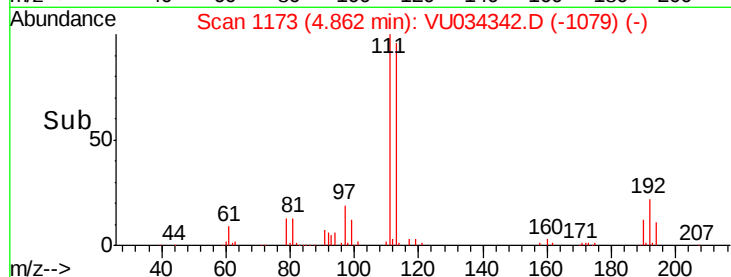
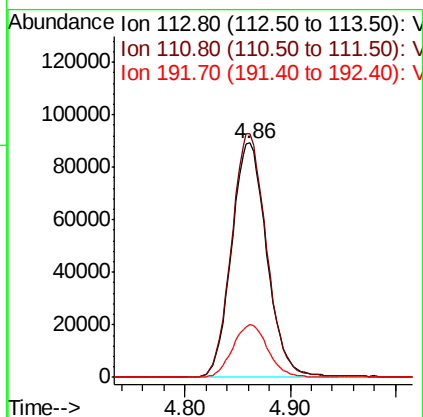
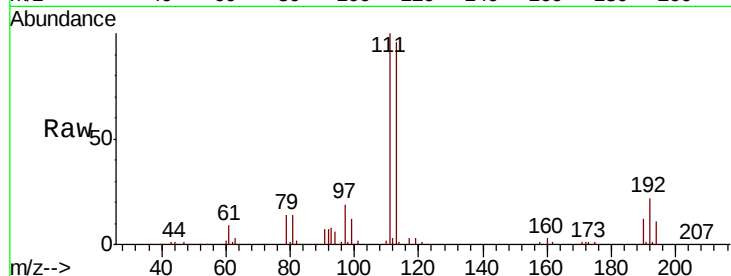




#35
 Dibromofluoromethane
 Concen: 48.563 ug/l
 RT: 4.86 min Scan# 1173
 Delta R.T. 0.00 min
 Lab File: VU034342.D
 Acq: 06 Sep 2019 19:40

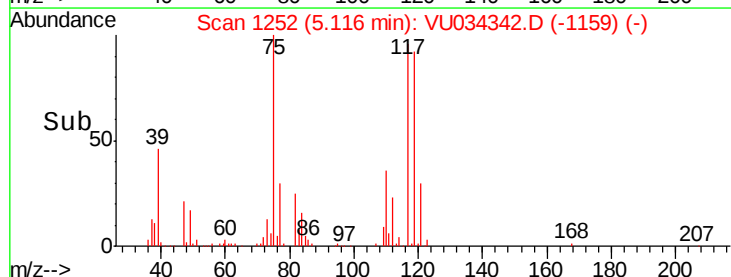
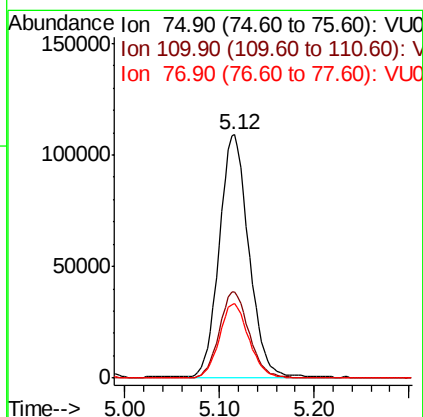
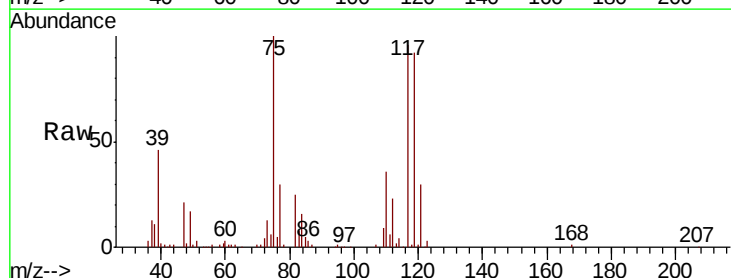
Instrument :
 MSVOA_U
 ClientSampleId :
 GW-200-B4-47.0-52.0-090519MS

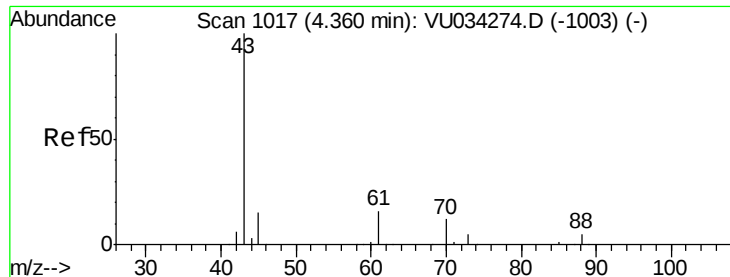
Tgt Ion	Ratio	Lower	Upper
113	100		
111	103.2	81.5	122.3
192	22.6	17.8	26.8



#36
 1,1-Dichloropropene
 Concen: 47.381 ug/l
 RT: 5.12 min Scan# 1252
 Delta R.T. 0.00 min
 Lab File: VU034342.D
 Acq: 06 Sep 2019 19:40

Tgt Ion	Ratio	Lower	Upper
75	100		
110	36.1	18.3	54.9
77	30.7	24.9	37.3

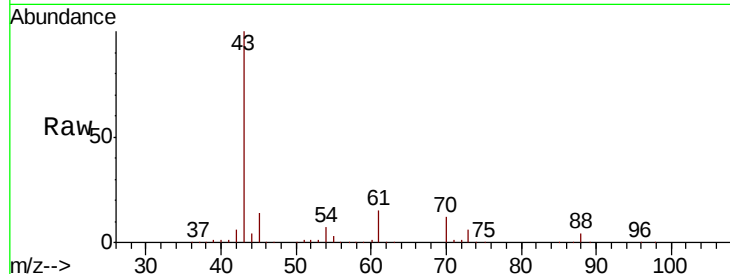




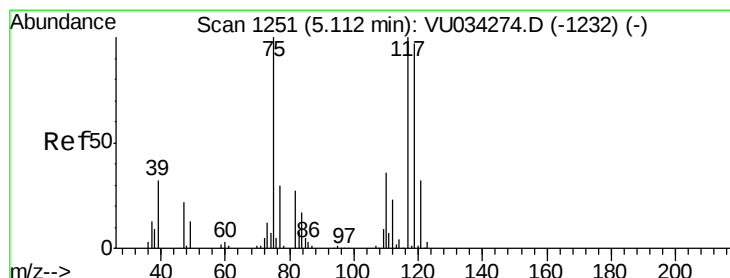
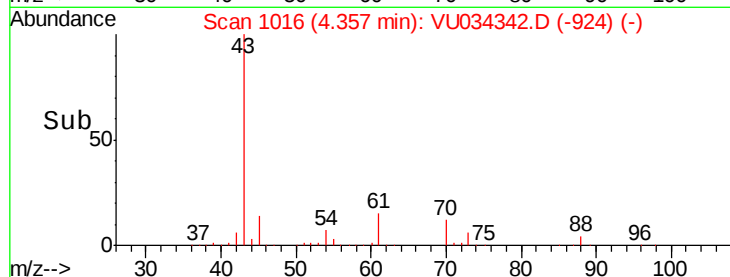
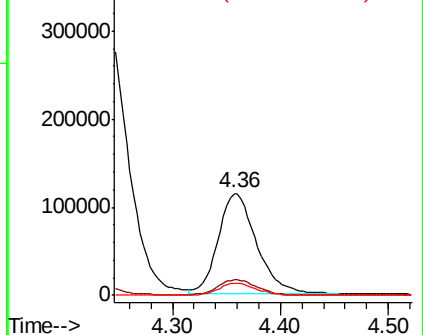
#37
 Ethyl Acetate
 Concen: 48.009 ug/l
 RT: 4.36 min Scan# 1016
 Delta R.T. -0.00 min
 Lab File: VU034342.D
 Acq: 06 Sep 2019 19:40

Instrument :
 MSVOA_U
 ClientSampleId :
 GW-200-B4-47.0-52.0-090519MS

Tgt Ion: 43 Resp: 281456
 Ion Ratio Lower Upper
 43 100
 61 15.6 12.3 18.5
 70 11.8 9.1 13.7

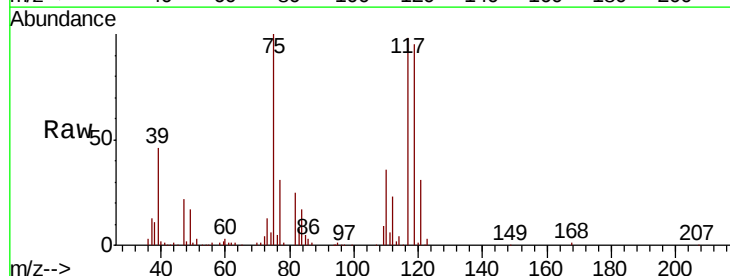


Abundance Ion 43.00 (42.70 to 43.70): VU0
 Ion 60.90 (60.60 to 61.60): VU0
 Ion 70.00 (69.70 to 70.70): VU0

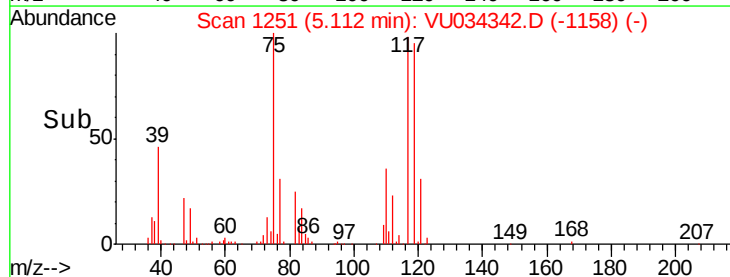
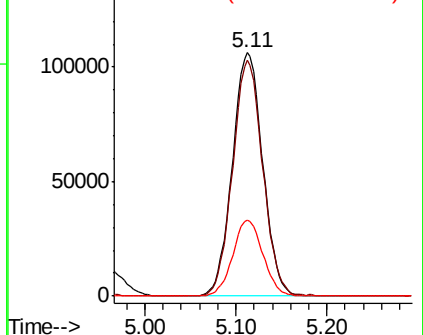


#38
 Carbon Tetrachloride
 Concen: 46.425 ug/l
 RT: 5.11 min Scan# 1251
 Delta R.T. 0.00 min
 Lab File: VU034342.D
 Acq: 06 Sep 2019 19:40

Tgt Ion: 117 Resp: 245791
 Ion Ratio Lower Upper
 117 100
 119 97.0 77.8 116.6
 121 31.4 25.2 37.8



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

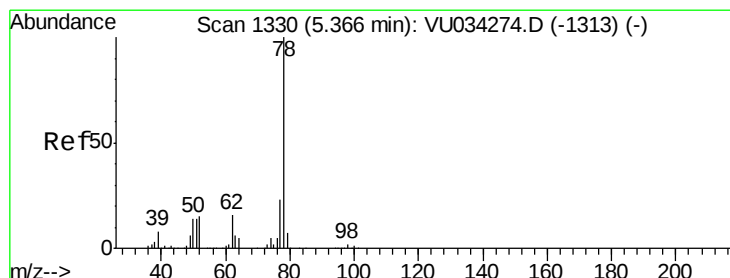
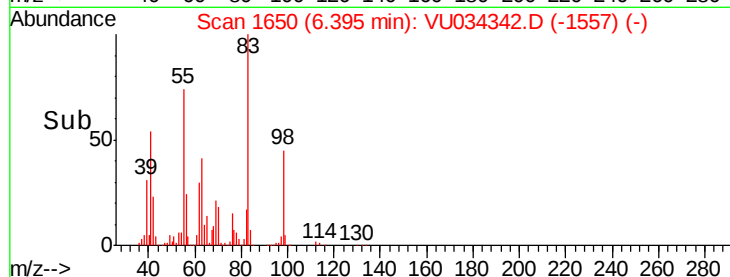
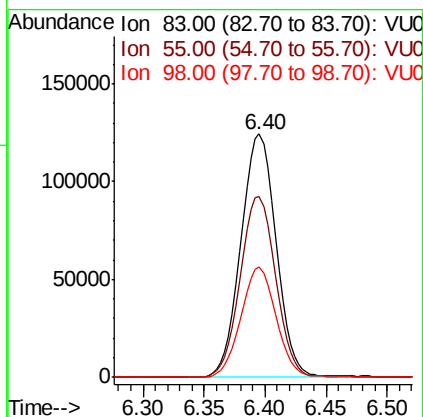
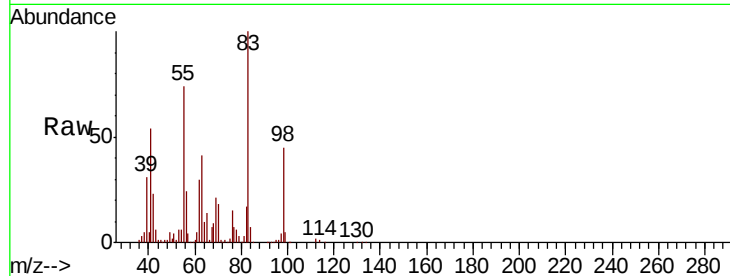




#39
Methylcyclohexane
Concen: 46.817 ug/l
RT: 6.40 min Scan# 1650
Delta R.T. 0.00 min
Lab File: VU034342.D
Acq: 06 Sep 2019 19:40

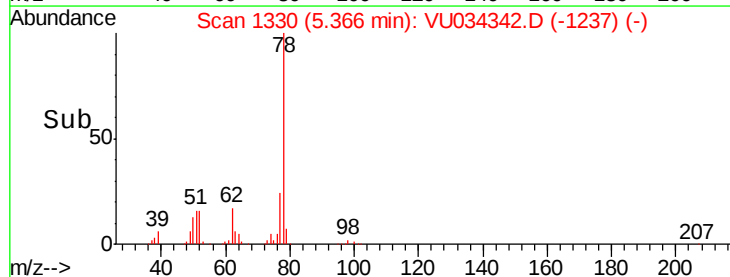
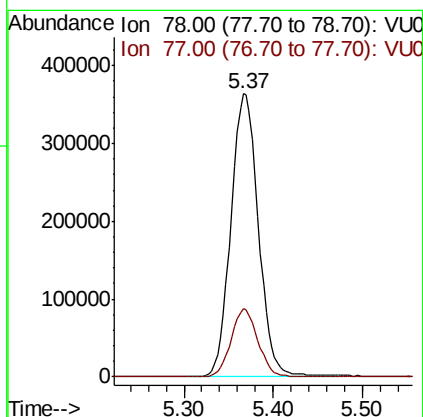
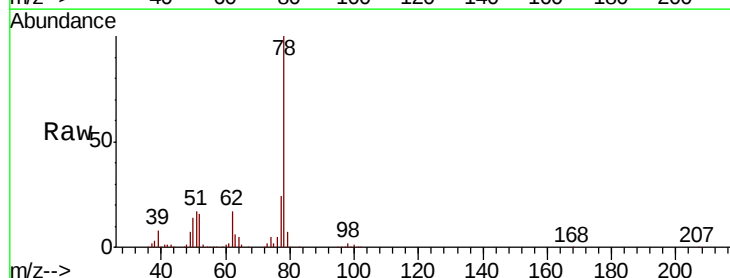
Instrument :
MSVOA_U
ClientSampleId :
GW-200-B4-47.0-52.0-090519MS

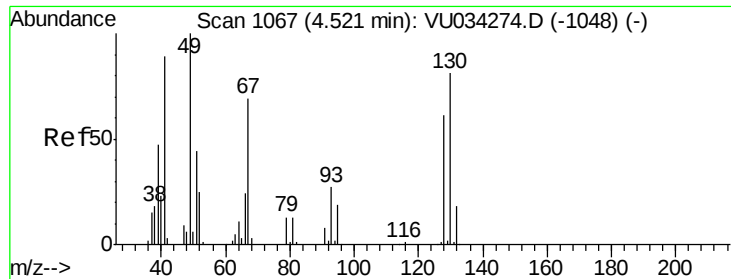
Tgt Ion: 83 Resp: 248161
Ion Ratio Lower Upper
83 100
55 74.1 62.1 93.1
98 45.2 37.0 55.6



#40
Benzene
Concen: 48.753 ug/l
RT: 5.37 min Scan# 1330
Delta R.T. 0.00 min
Lab File: VU034342.D
Acq: 06 Sep 2019 19:40

Tgt Ion: 78 Resp: 780040
Ion Ratio Lower Upper
78 100
77 24.0 18.7 28.1

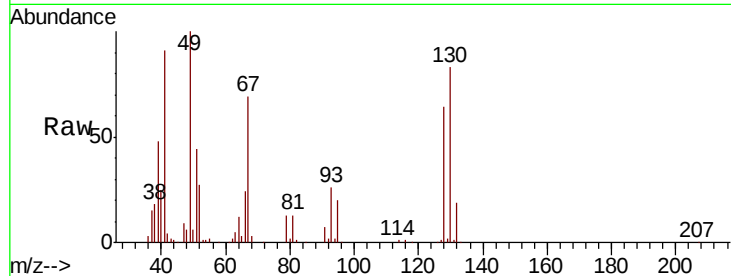




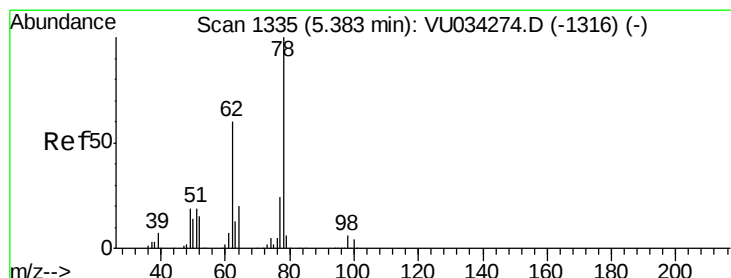
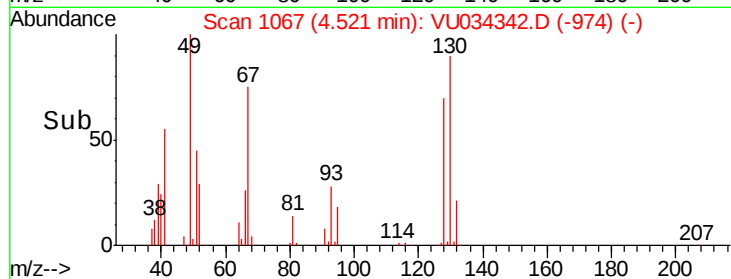
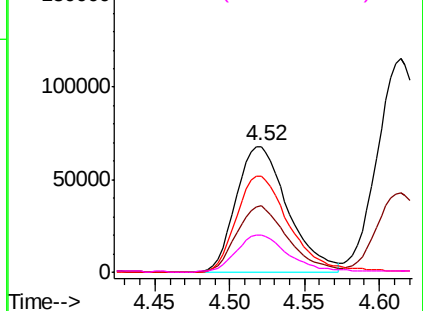
#41
Methacrylonitrile
Concen: 52.097 ug/l
RT: 4.52 min Scan# 1067
Delta R.T. 0.00 min
Lab File: VU034342.D
Acq: 06 Sep 2019 19:40

Instrument :
MSVOA_U
ClientSampleId :
GW-200-B4-47.0-52.0-090519MS

Tgt Ion:	41	Resp:	162686
Ion	Ratio	Lower	Upper
41	100		
39	52.0	41.0	61.4
67	79.9	62.4	93.6
52	29.8	23.6	35.4

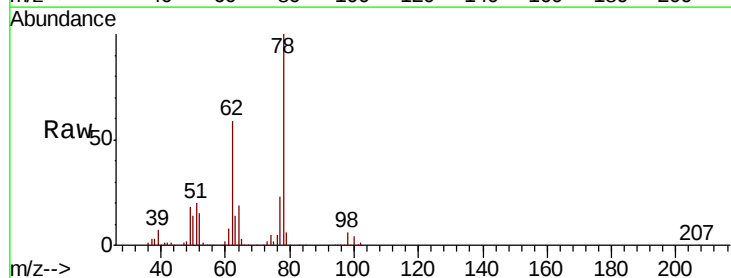


Abundance Ion 41.00 (40.70 to 41.70): VU0
Ion 39.00 (38.70 to 39.70): VU0
Ion 67.00 (66.70 to 67.70): VU0
Ion 52.00 (51.70 to 52.70): VU0

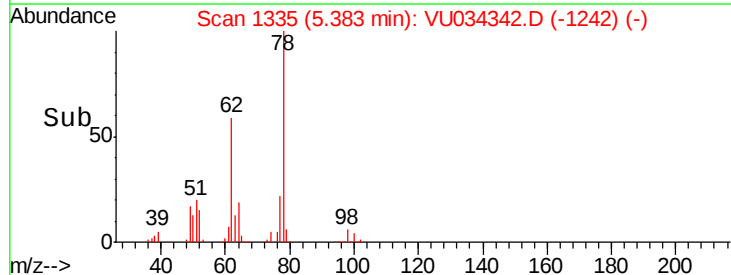
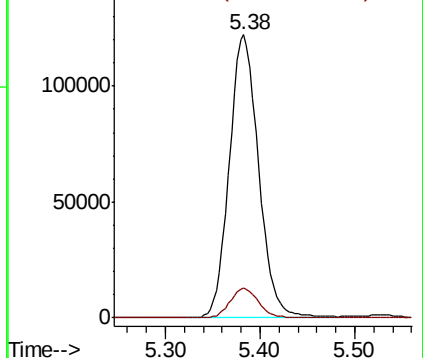


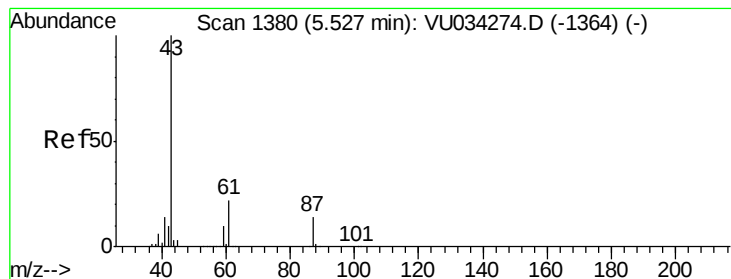
#42
1,2-Dichloroethane
Concen: 47.420 ug/l
RT: 5.38 min Scan# 1335
Delta R.T. 0.00 min
Lab File: VU034342.D
Acq: 06 Sep 2019 19:40

Tgt Ion:	62	Resp:	263421
Ion	Ratio	Lower	Upper
62	100		
98	10.3	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: 50.124 ug/l

RT: 5.53 min Scan# 1380

Delta R.T. 0.00 min

Lab File: VU034342.D

Acq: 06 Sep 2019 19:40

Instrument :

MSVOA_U

ClientSampleId :

GW-200-B4-47.0-52.0-090519MS

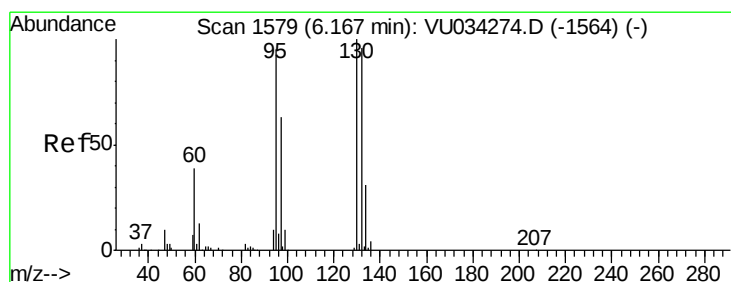
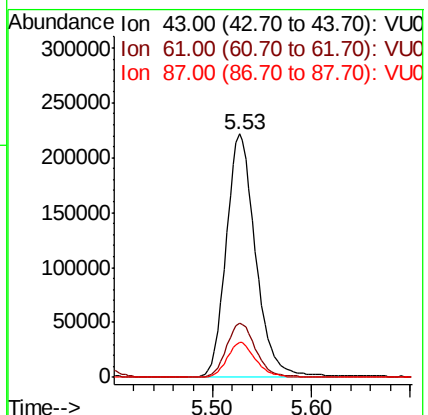
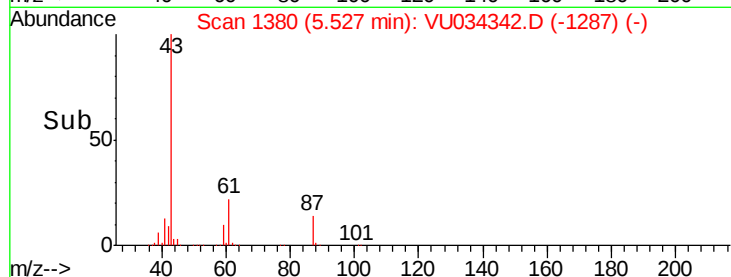
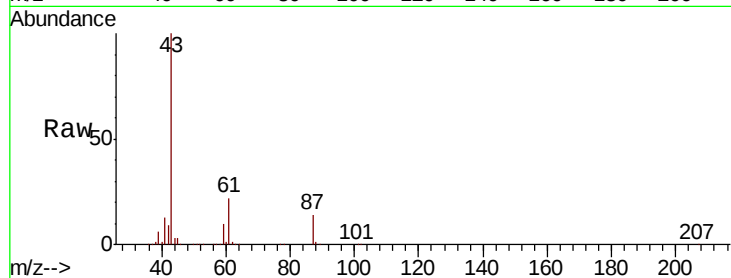
Tgt Ion: 43 Resp: 458408

Ion Ratio Lower Upper

43 100

61 22.4 17.1 25.7

87 14.1 11.1 16.7



#44

Trichloroethene

Concen: 229.846 ug/l

RT: 6.16 min Scan# 1578

Delta R.T. -0.00 min

Lab File: VU034342.D

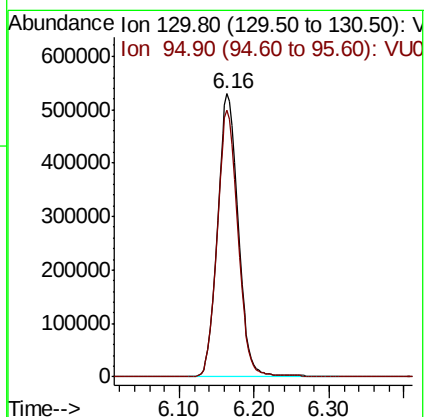
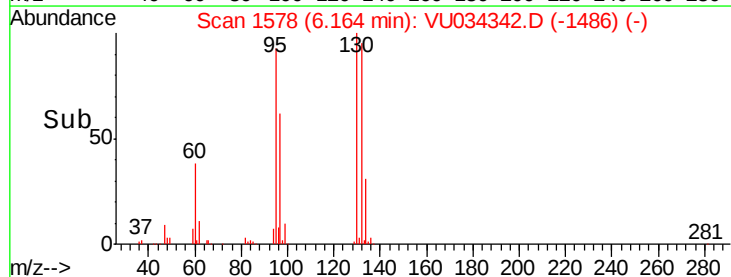
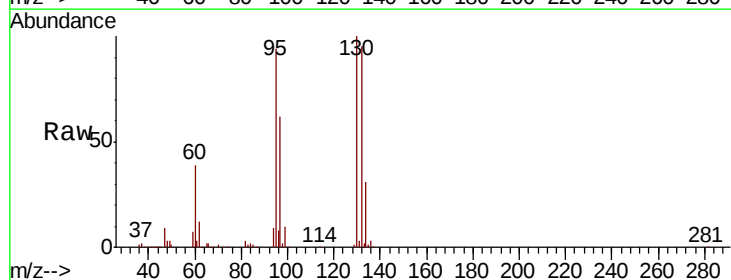
Acq: 06 Sep 2019 19:40

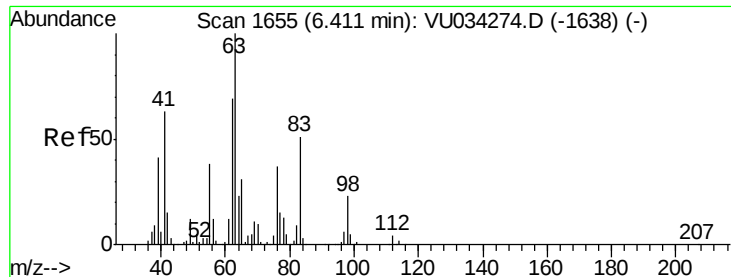
Tgt Ion: 130 Resp: 1017642

Ion Ratio Lower Upper

130 100

95 94.4 0.0 189.2





#45

1,2-Dichloropropane

Concen: 48.080 ug/l

RT: 6.41 min Scan# 1655

Delta R.T. 0.00 min

Lab File: VU034342.D

Acq: 06 Sep 2019 19:40

Instrument :

MSVOA_U

ClientSampleId :

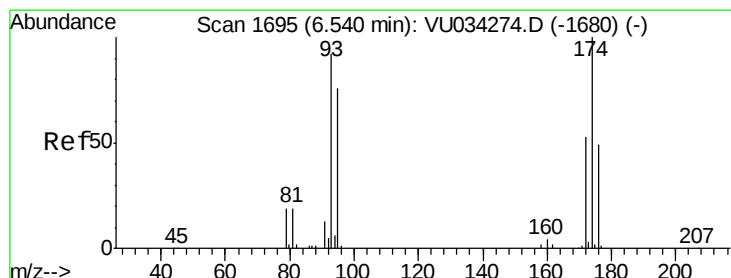
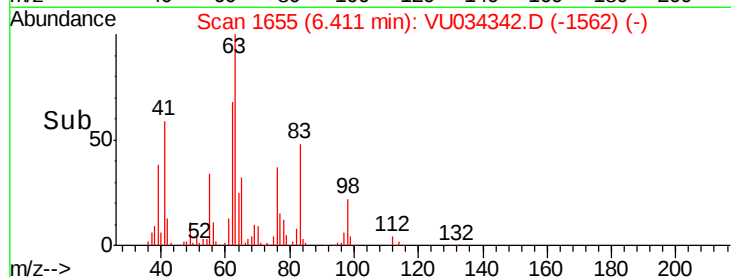
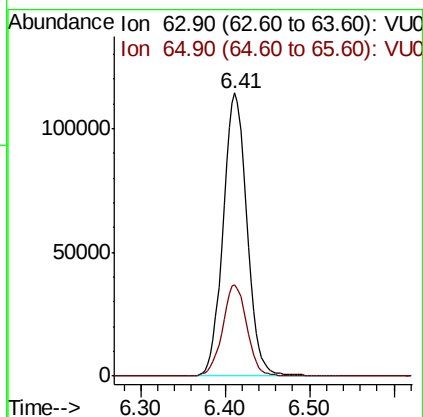
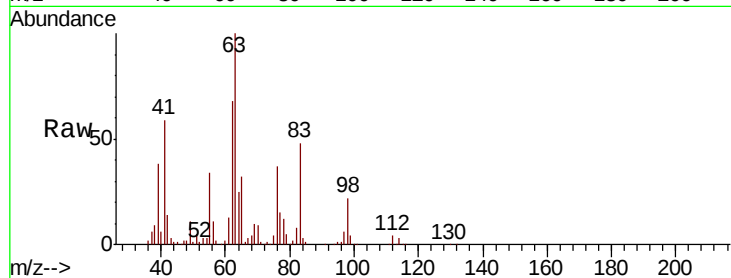
GW-200-B4-47.0-52.0-090519MS

Tgt Ion: 63 Resp: 224889

Ion Ratio Lower Upper

63 100

65 32.4 24.6 37.0



#46

Dibromomethane

Concen: 48.321 ug/l

RT: 6.54 min Scan# 1694

Delta R.T. -0.00 min

Lab File: VU034342.D

Acq: 06 Sep 2019 19:40

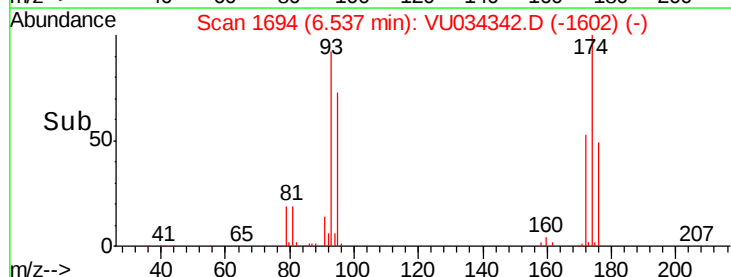
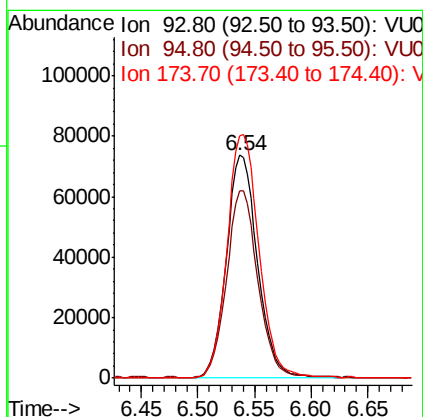
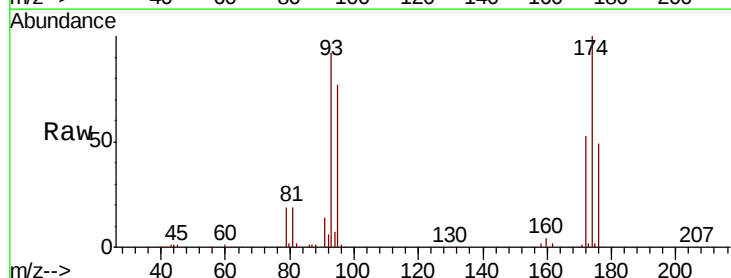
Tgt Ion: 93 Resp: 141873

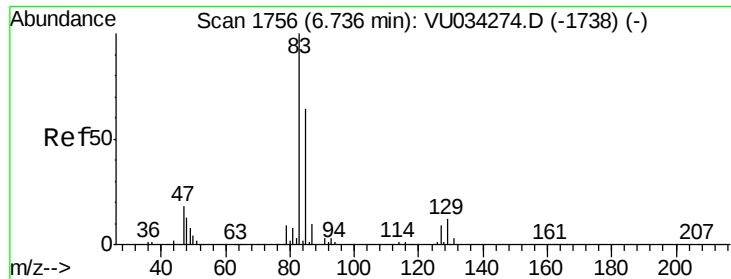
Ion Ratio Lower Upper

93 100

95 84.0 66.5 99.7

174 111.9 87.8 131.6





#47

Bromodichloromethane

Concen: 47.508 ug/l

RT: 6.74 min Scan# 1756

Delta R.T. 0.00 min

Lab File: VU034342.D

Acq: 06 Sep 2019 19:40

Instrument :

MSVOA_U

ClientSampleId :

GW-200-B4-47.0-52.0-090519MS

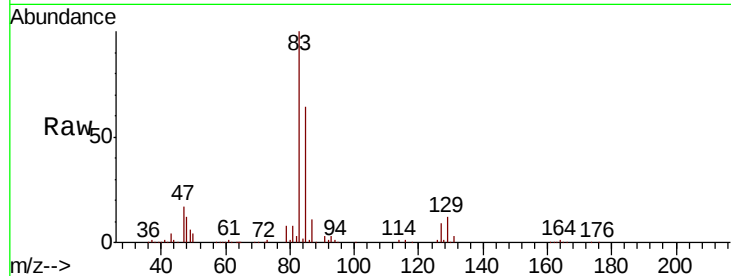
Tgt Ion: 83 Resp: 287122

Ion Ratio Lower Upper

83 100

85 64.1 51.1 76.7

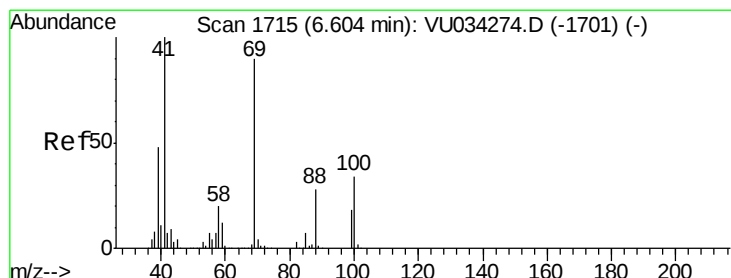
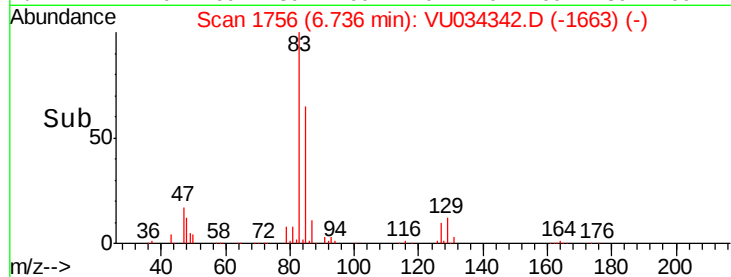
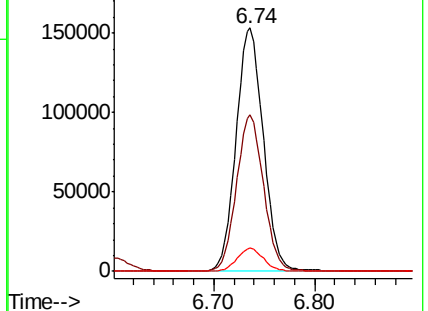
127 9.4 7.2 10.8



Abundance Ion 82.90 (82.60 to 83.60): VU034342.D (-1738) (-)

Ion 84.90 (84.60 to 85.60): VU034342.D (-1738) (-)

Ion 126.80 (126.50 to 127.50): VU034342.D (-1738) (-)



#48

Methyl methacrylate

Concen: 50.936 ug/l

RT: 6.60 min Scan# 1714

Delta R.T. -0.00 min

Lab File: VU034342.D

Acq: 06 Sep 2019 19:40

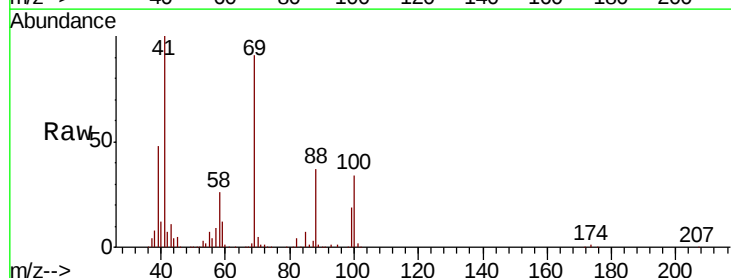
Tgt Ion: 41 Resp: 221253

Ion Ratio Lower Upper

41 100

69 91.8 72.8 109.2

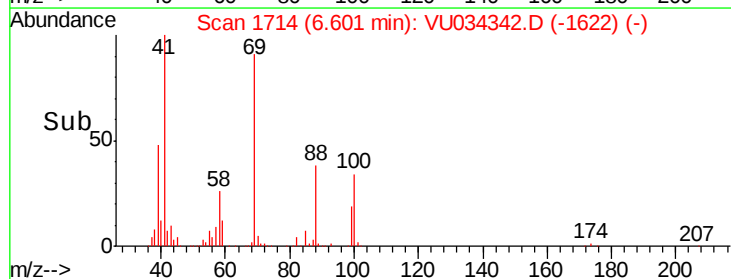
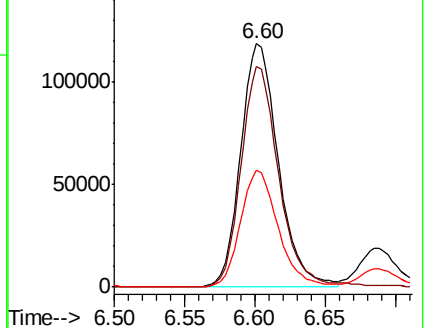
39 47.8 38.6 58.0

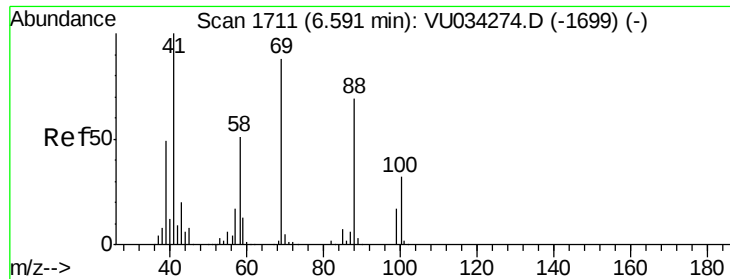


Abundance Ion 41.00 (40.70 to 41.70): VU034342.D (-1622) (-)

Ion 69.00 (68.70 to 69.70): VU034342.D (-1622) (-)

Ion 39.00 (38.70 to 39.70): VU034342.D (-1622) (-)

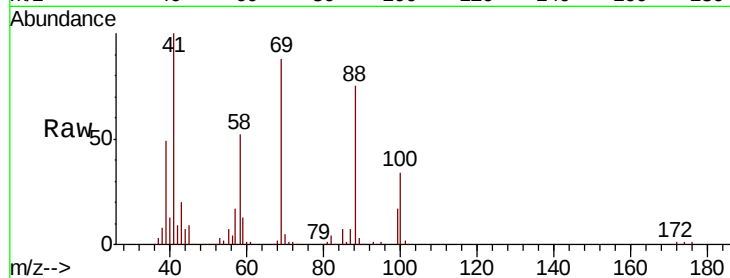




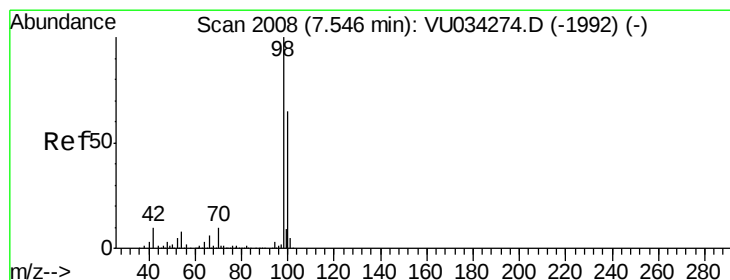
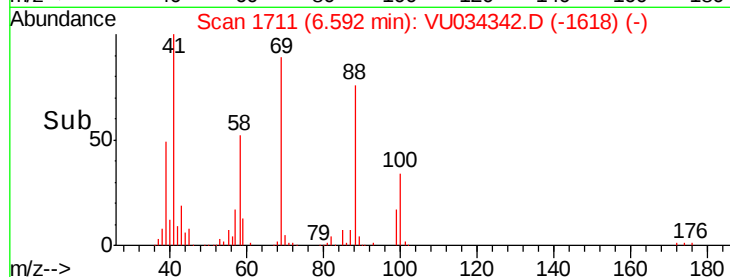
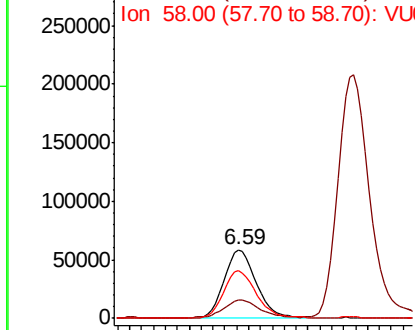
#49
 1,4-Dioxane
 Concen: 1144.817 ug/l
 RT: 6.59 min Scan# 1711
 Delta R.T. 0.00 min
 Lab File: VU034342.D
 Acq: 06 Sep 2019 19:40

Instrument :
 MSVOA_U
 ClientSampleId :
 GW-200-B4-47.0-52.0-090519MS

Tgt Ion: 88 Resp: 108588
 Ion Ratio Lower Upper
 88 100
 43 27.3 23.8 35.6
 58 72.2 58.4 87.6

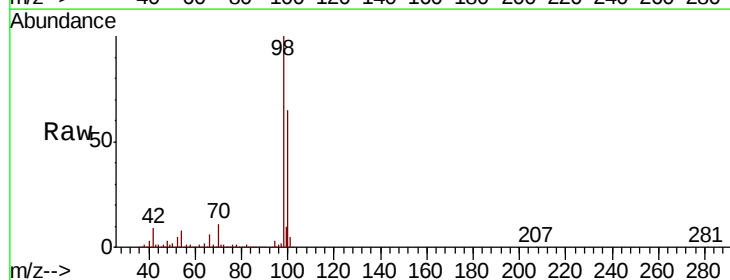


Abundance Ion 88.00 (87.70 to 88.70): VU0
 Ion 43.00 (42.70 to 43.70): VU0
 Ion 58.00 (57.70 to 58.70): VU0

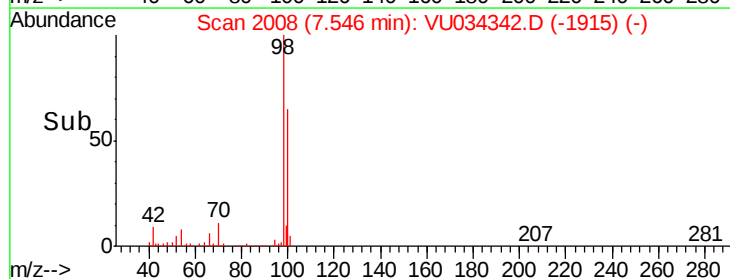
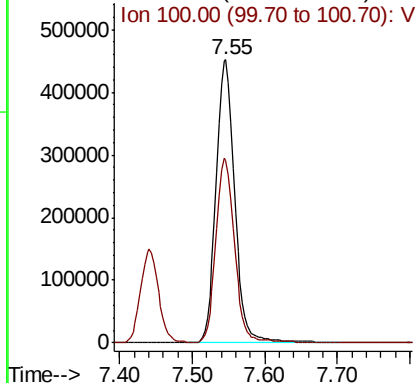


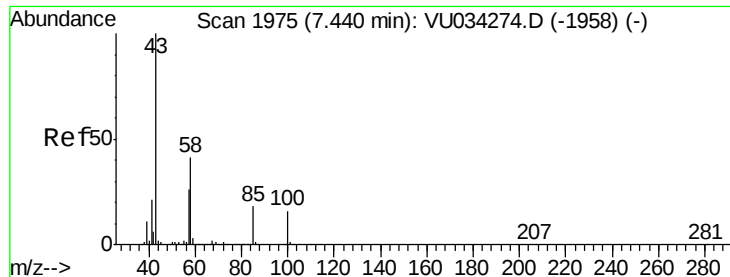
#50
 Toluene-d8
 Concen: 50.859 ug/l
 RT: 7.55 min Scan# 2008
 Delta R.T. 0.00 min
 Lab File: VU034342.D
 Acq: 06 Sep 2019 19:40

Tgt Ion: 98 Resp: 812914
 Ion Ratio Lower Upper
 98 100
 100 65.3 51.7 77.5



Abundance Ion 98.00 (97.70 to 98.70): VU0
 Ion 100.00 (99.70 to 100.70): VU0

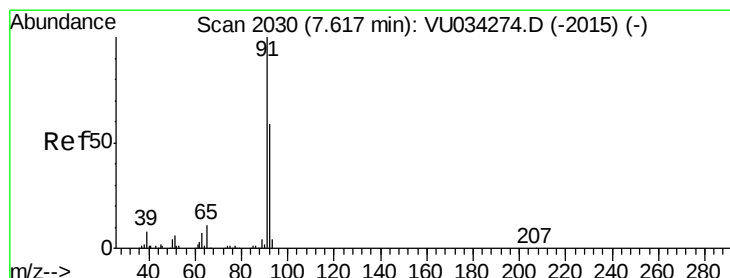
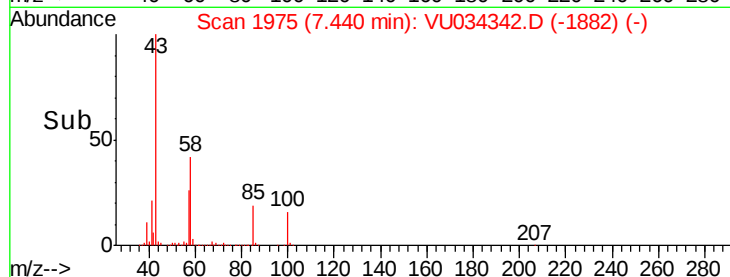
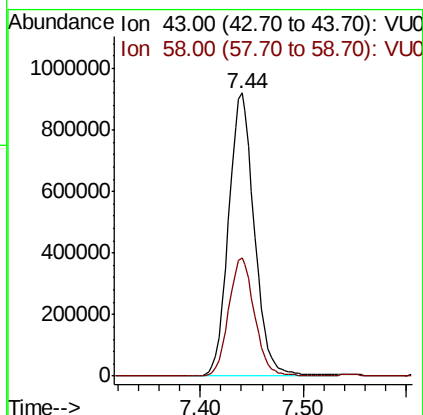
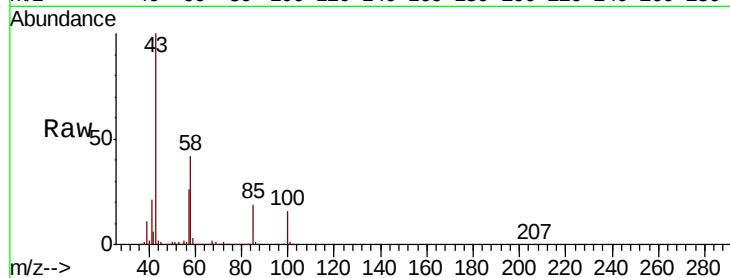




#51
 4-Methyl-2-Pentanone
 Concen: 252.784 ug/l
 RT: 7.44 min Scan# 1975
 Delta R.T. 0.00 min
 Lab File: VU034342.D
 Acq: 06 Sep 2019 19:40

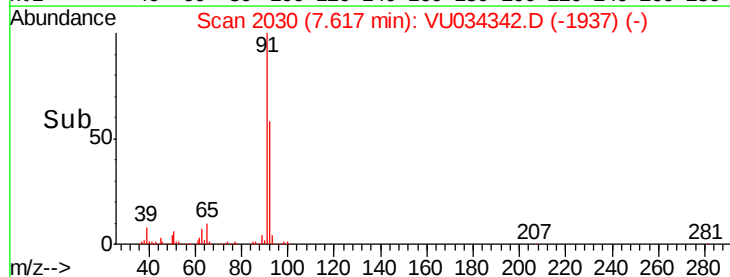
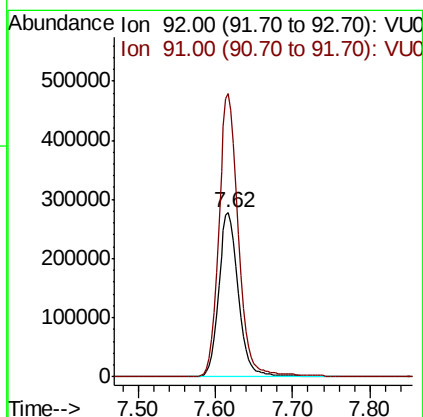
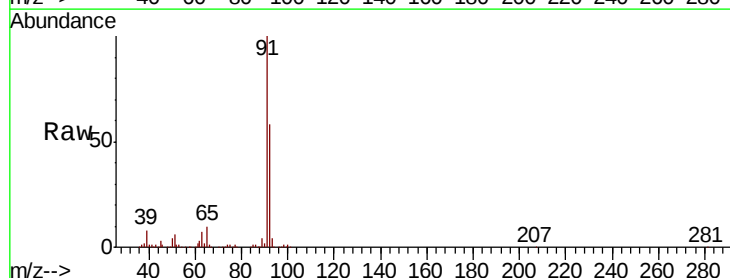
Instrument :
 MSVOA_U
 ClientSampleId :
 GW-200-B4-47.0-52.0-090519MS

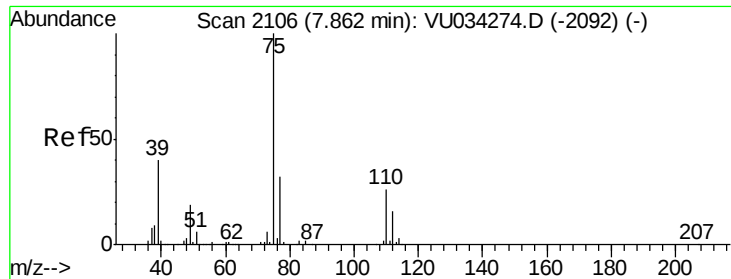
Tgt Ion: 43 Resp: 1600252
 Ion Ratio Lower Upper
 43 100
 58 42.1 33.0 49.4



#52
 Toluene
 Concen: 49.837 ug/l
 RT: 7.62 min Scan# 2030
 Delta R.T. 0.00 min
 Lab File: VU034342.D
 Acq: 06 Sep 2019 19:40

Tgt Ion: 92 Resp: 500203
 Ion Ratio Lower Upper
 92 100
 91 171.3 136.6 205.0

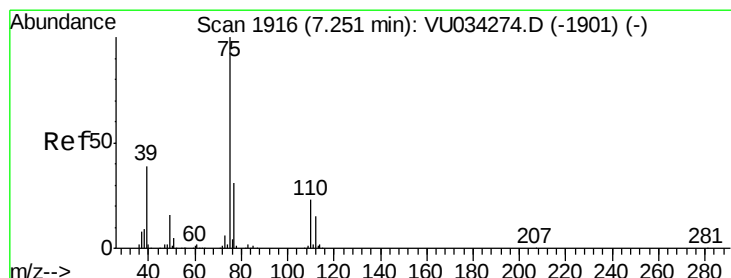
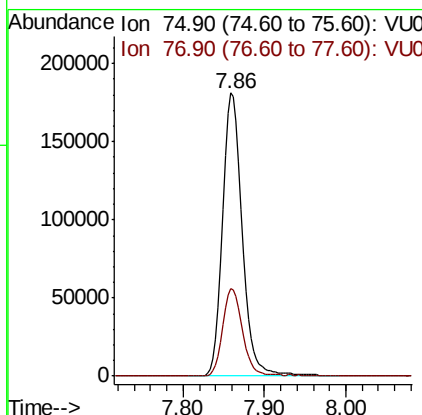
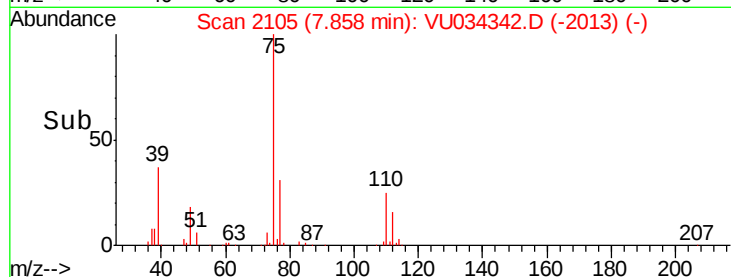
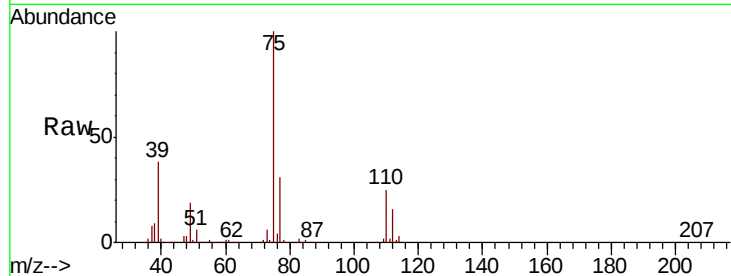




#53
 t-1,3-Dichloropropene
 Concen: 49.837 ug/l
 RT: 7.86 min Scan# 2105
 Delta R.T. -0.00 min
 Lab File: VU034342.D
 Acq: 06 Sep 2019 19:40

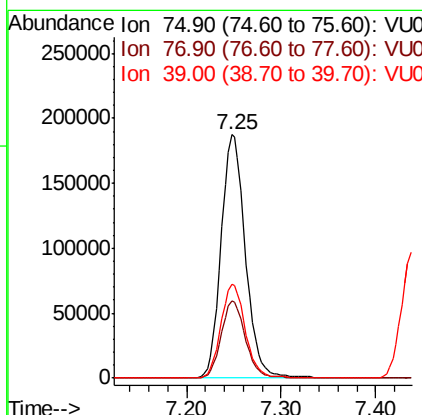
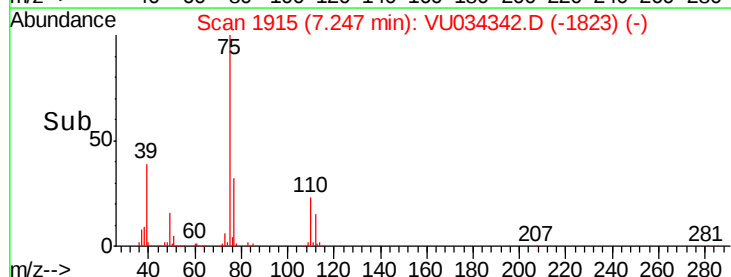
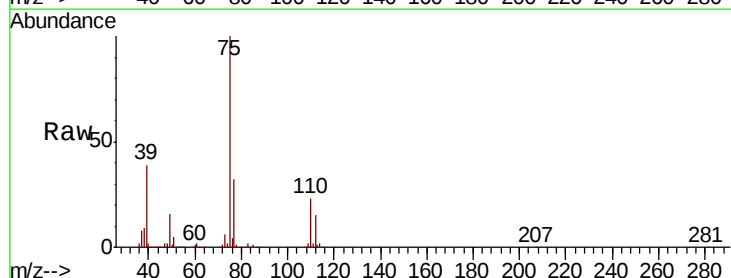
Instrument :
 MSVOA_U
 ClientSampleId :
 GW-200-B4-47.0-52.0-090519MS

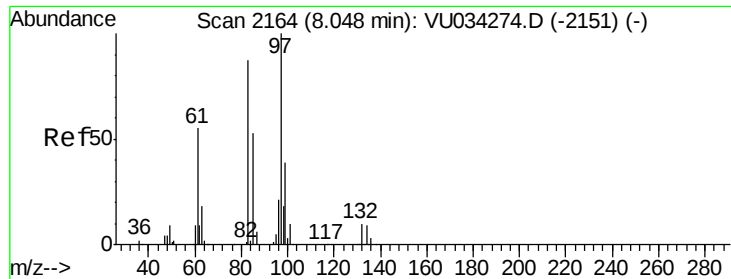
Tgt Ion: 75 Resp: 312225
 Ion Ratio Lower Upper
 75 100
 77 30.8 25.7 38.5



#54
 cis-1,3-Dichloropropene
 Concen: 48.731 ug/l
 RT: 7.25 min Scan# 1915
 Delta R.T. -0.00 min
 Lab File: VU034342.D
 Acq: 06 Sep 2019 19:40

Tgt Ion: 75 Resp: 335071
 Ion Ratio Lower Upper
 75 100
 77 31.9 25.1 37.7
 39 38.6 31.2 46.8

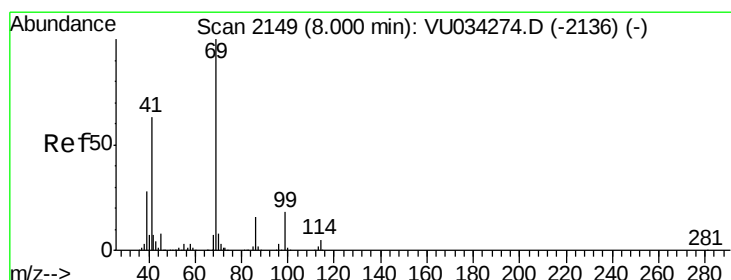
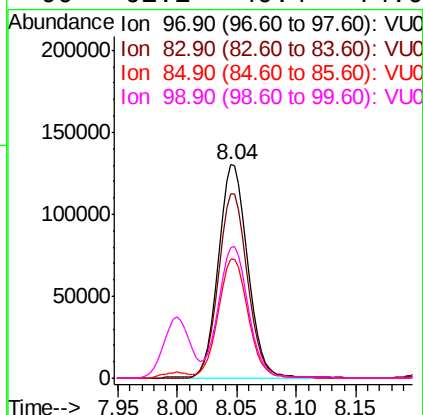
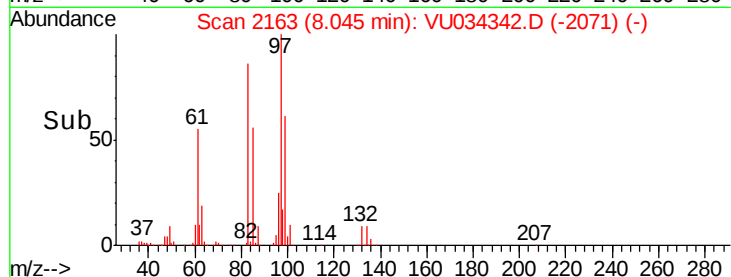
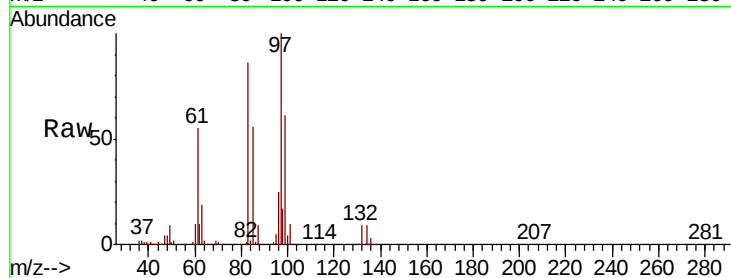




#55
 1,1,2-Trichloroethane
 Concen: 48.639 ug/l
 RT: 8.04 min Scan# 2163
 Delta R.T. -0.00 min
 Lab File: VU034342.D
 Acq: 06 Sep 2019 19:40

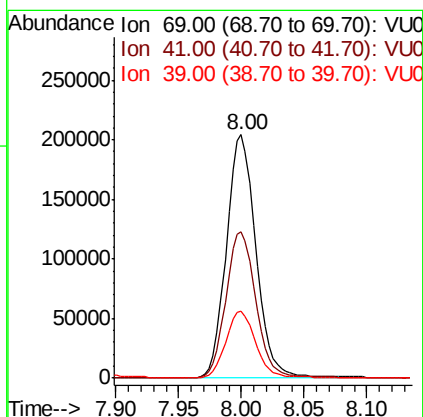
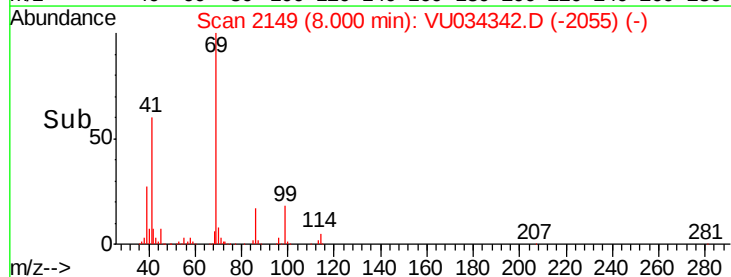
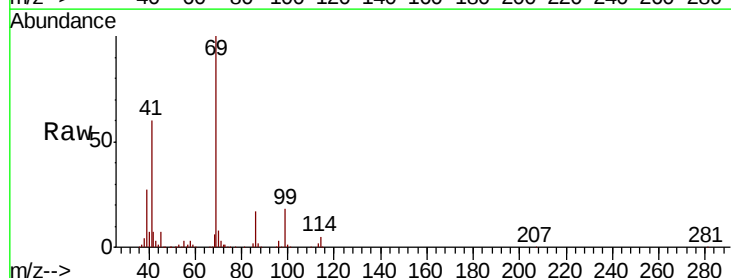
Instrument :
 MSVOA_U
 ClientSampleId :
 GW-200-B4-47.0-52.0-090519MS

Tgt Ion:	97	Resp:	221669
Ion	Ratio	Lower	Upper
97	100		
83	86.3	69.0	103.6
85	55.7	44.2	66.2
99	61.1	49.4	74.0



#56
 Ethyl methacrylate
 Concen: 48.408 ug/l
 RT: 8.00 min Scan# 2149
 Delta R.T. 0.00 min
 Lab File: VU034342.D
 Acq: 06 Sep 2019 19:40

Tgt Ion:	69	Resp:	334459
Ion	Ratio	Lower	Upper
69	100		
41	60.5	49.5	74.3
39	27.2	22.5	33.7





#57

1,3-Dichloropropane

Concen: 48.618 ug/l

RT: 8.22 min Scan# 2218

Delta R.T. 0.00 min

Lab File: VU034342.D

Acq: 06 Sep 2019 19:40

Instrument :

MSVOA_U

ClientSampleId :

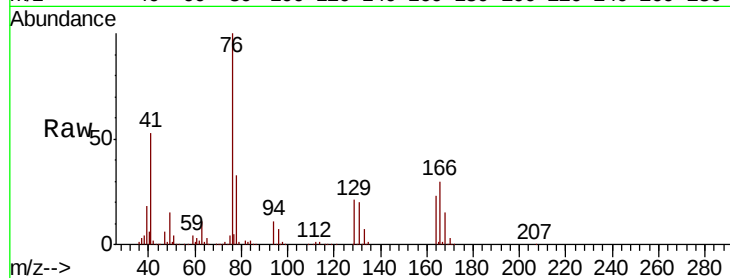
GW-200-B4-47.0-52.0-090519MS

Tgt Ion: 76 Resp: 360802

Ion Ratio Lower Upper

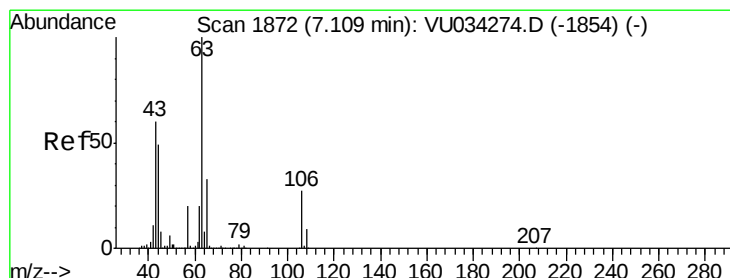
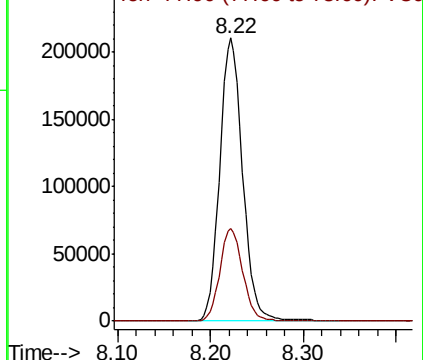
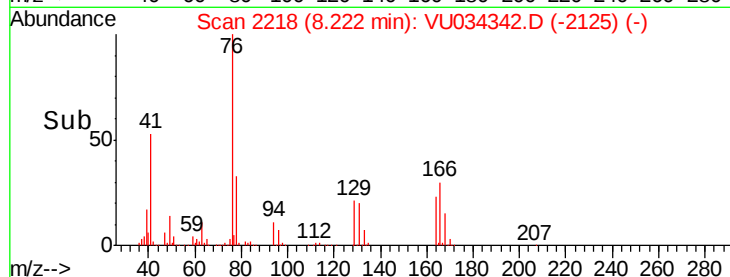
76 100

78 32.7 25.4 38.2



Abundance Ion 75.90 (75.60 to 76.60): VU034342.D (-2125) (-)

Ion 77.90 (77.60 to 78.60): VU034342.D (-2125) (-)



#58

2-Chloroethyl Vinyl ether

Concen: 16.941 ug/l

RT: 7.08 min Scan# 1864

Delta R.T. -0.03 min

Lab File: VU034342.D

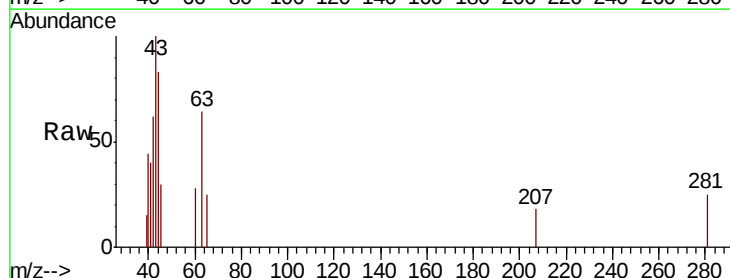
Acq: 06 Sep 2019 19:40

Tgt Ion: 63 Resp: 817

Ion Ratio Lower Upper

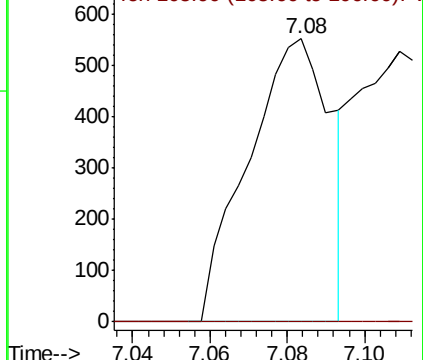
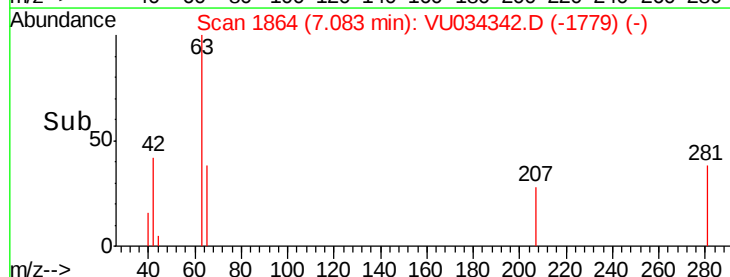
63 100

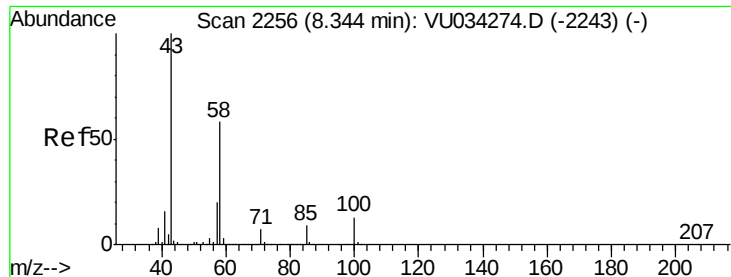
106 0.0 21.6 32.4#



Abundance Ion 62.90 (62.60 to 63.60): VU034342.D (-1779) (-)

Ion 105.90 (105.60 to 106.60): VU034342.D (-1779) (-)

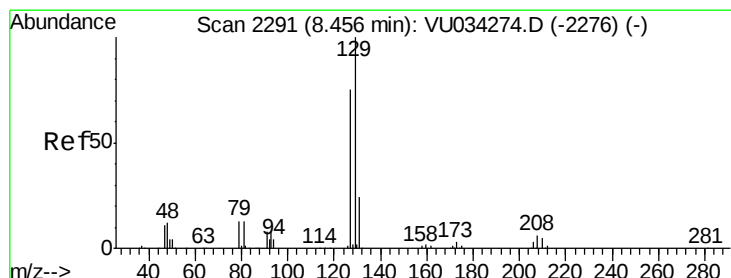
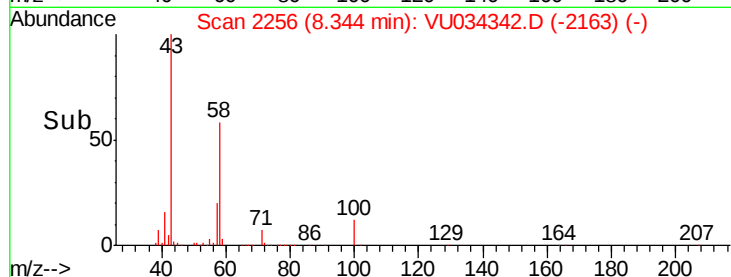
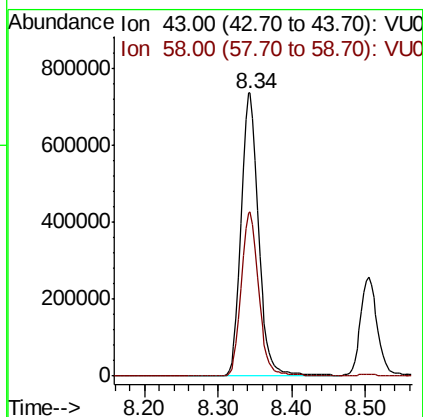
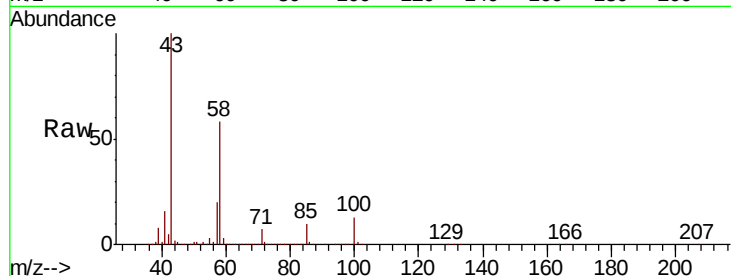




#59
2-Hexanone
Concen: 258.157 ug/l
RT: 8.34 min Scan# 2256
Delta R.T. 0.00 min
Lab File: VU034342.D
Acq: 06 Sep 2019 19:40

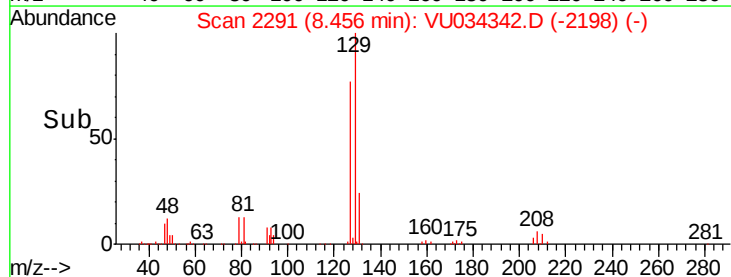
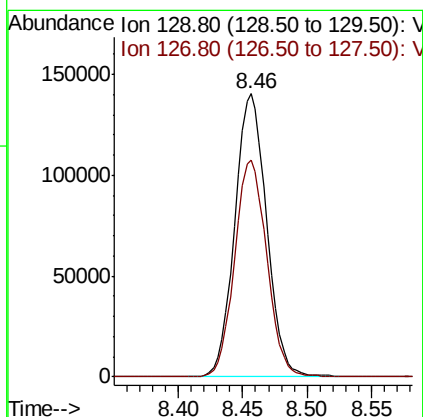
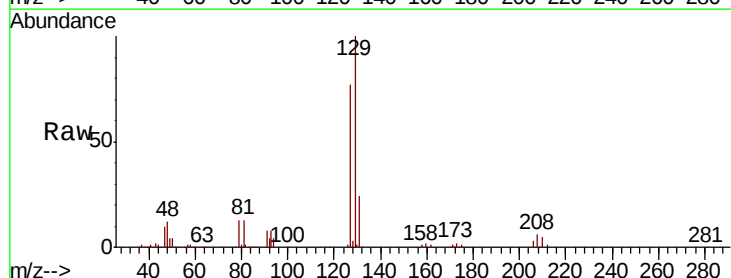
Instrument :
MSVOA_U
ClientSampleId :
GW-200-B4-47.0-52.0-090519MS

Tgt Ion: 43 Resp: 1220884
Ion Ratio Lower Upper
43 100
58 58.5 28.8 86.5



#60
Dibromochloromethane
Concen: 49.332 ug/l
RT: 8.46 min Scan# 2291
Delta R.T. 0.00 min
Lab File: VU034342.D
Acq: 06 Sep 2019 19:40

Tgt Ion: 129 Resp: 241151
Ion Ratio Lower Upper
129 100
127 77.4 37.9 113.7





#61

1,2-Dibromoethane

Concen: 49.520 ug/l

RT: 8.57 min Scan# 2325

Delta R.T. 0.00 min

Lab File: VU034342.D

Acq: 06 Sep 2019 19:40

Instrument :

MSVOA_U

ClientSampleId :

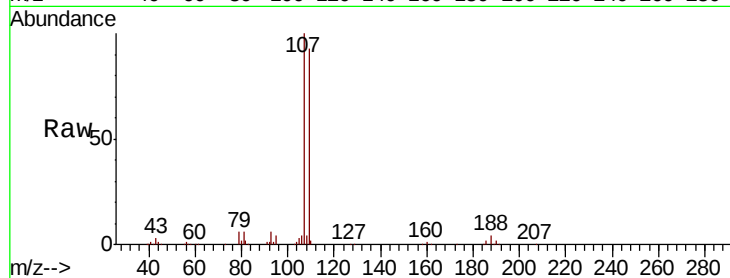
GW-200-B4-47.0-52.0-090519MS

Tgt Ion: 107 Resp: 220895

Ion Ratio Lower Upper

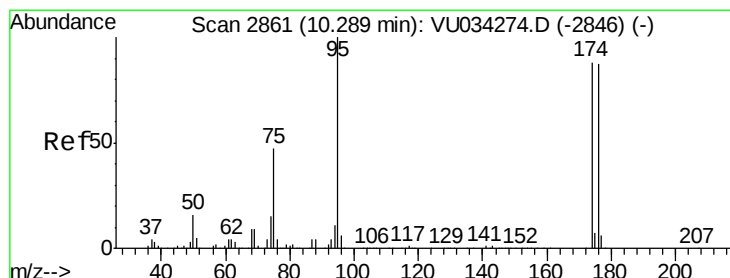
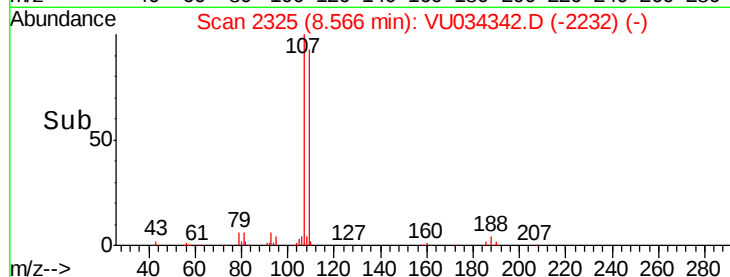
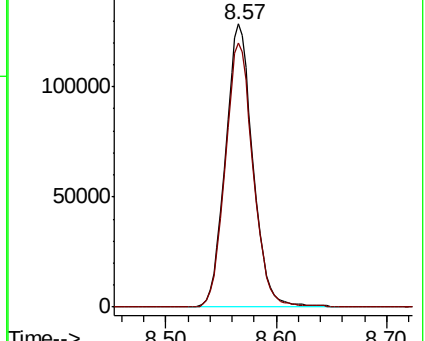
107 100

109 94.9 75.0 112.6



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 49.992 ug/l

RT: 10.29 min Scan# 2860

Delta R.T. -0.00 min

Lab File: VU034342.D

Acq: 06 Sep 2019 19:40

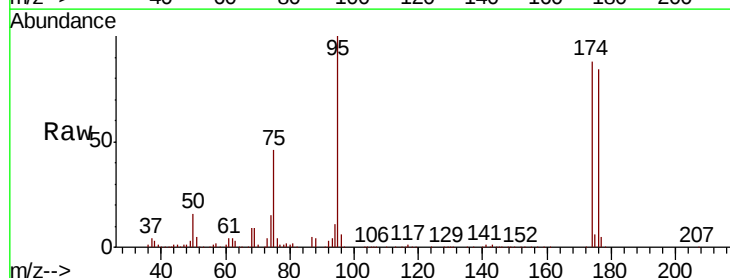
Tgt Ion: 95 Resp: 308509

Ion Ratio Lower Upper

95 100

174 88.5 0.0 175.2

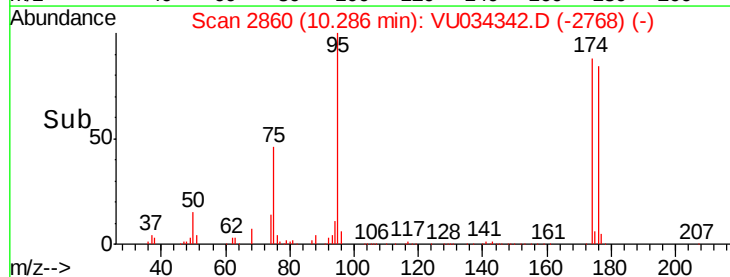
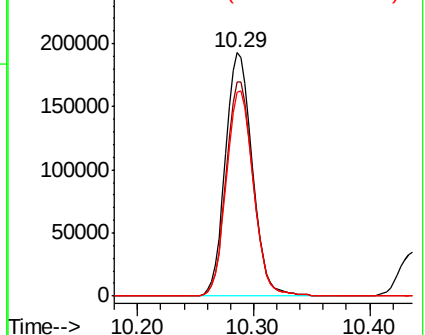
176 85.1 0.0 168.0

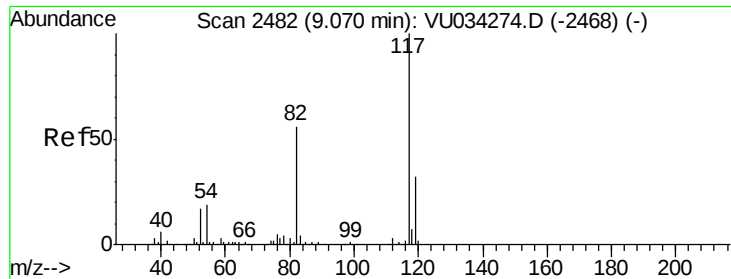


Abundance Ion 94.90 (94.60 to 95.60): VU0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

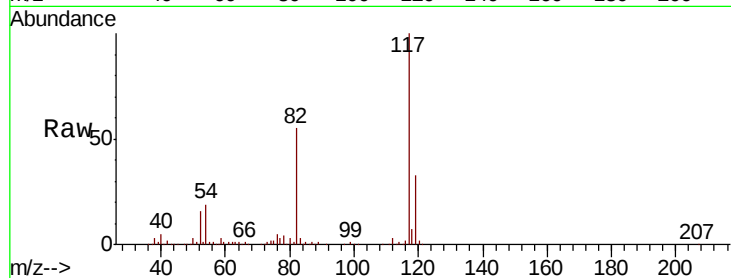




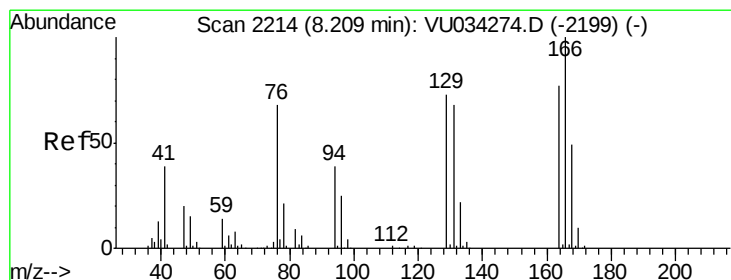
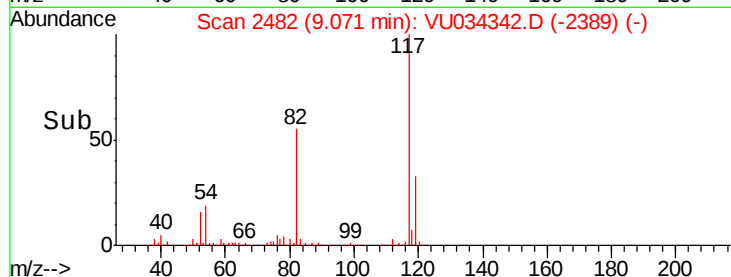
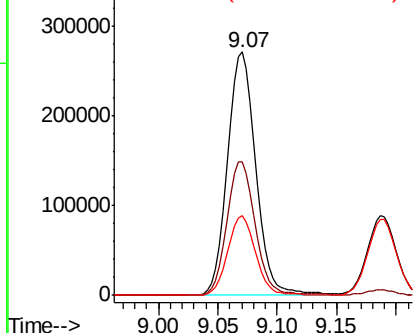
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.07 min Scan# 2482
Delta R.T. 0.00 min
Lab File: VU034342.D
Acq: 06 Sep 2019 19:40

Instrument :
MSVOA_U
ClientSampleId :
GW-200-B4-47.0-52.0-090519MS

Tgt Ion:117 Resp: 450869
Ion Ratio Lower Upper
117 100
82 55.1 44.6 67.0
119 32.6 25.9 38.9

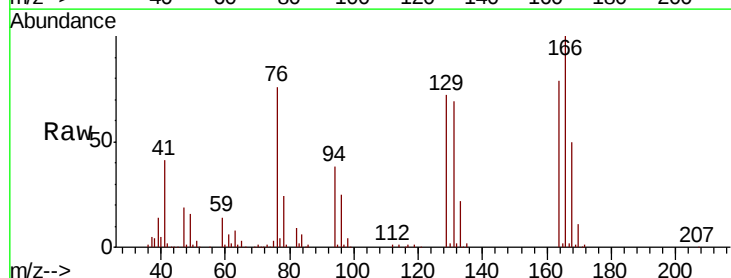


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VU0
Ion 118.90 (118.60 to 119.60): V

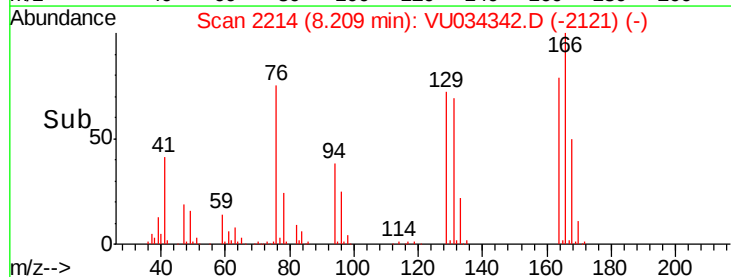
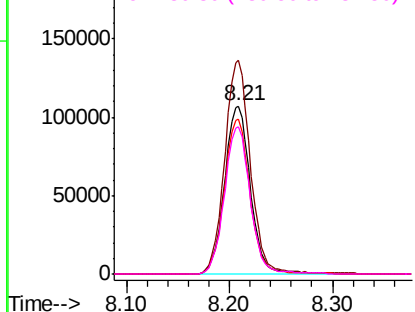


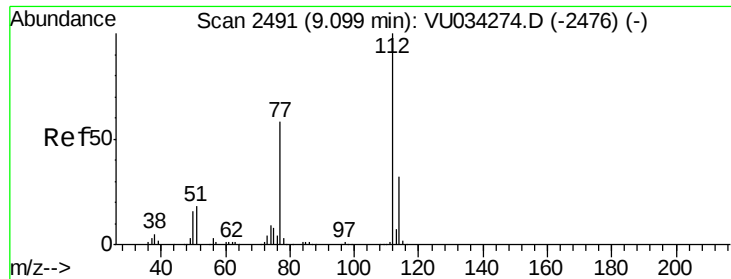
#64
Tetrachloroethene
Concen: 47.859 ug/l
RT: 8.21 min Scan# 2214
Delta R.T. 0.00 min
Lab File: VU034342.D
Acq: 06 Sep 2019 19:40

Tgt Ion:164 Resp: 187201
Ion Ratio Lower Upper
164 100
166 127.2 103.7 155.5
129 91.9 75.8 113.8
131 87.6 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

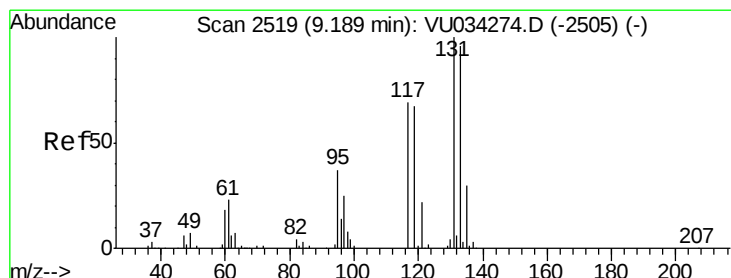
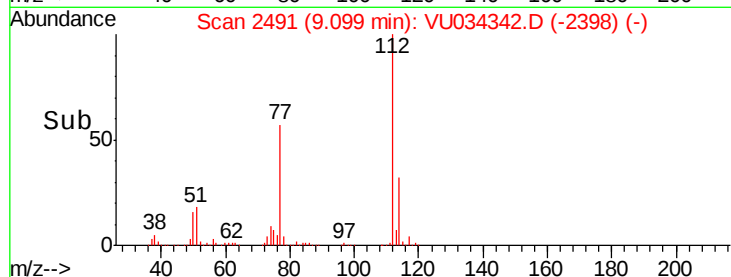
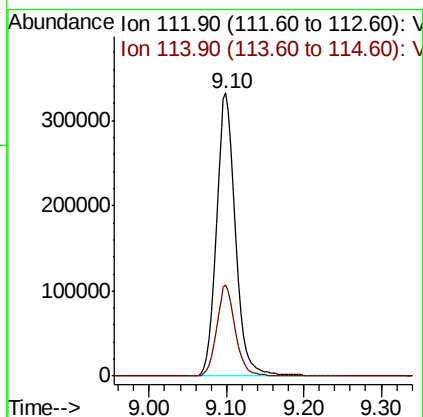
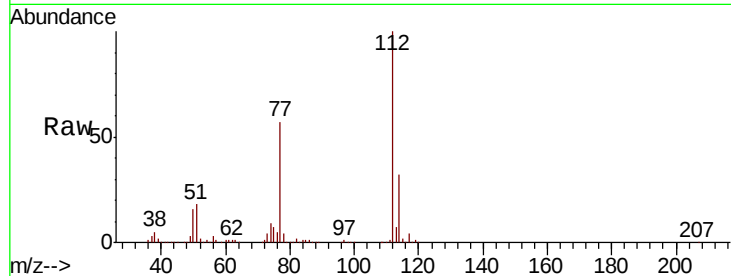




#65
Chlorobenzene
Concen: 50.546 ug/l
RT: 9.10 min Scan# 2491
Delta R.T. 0.00 min
Lab File: VU034342.D
Acq: 06 Sep 2019 19:40

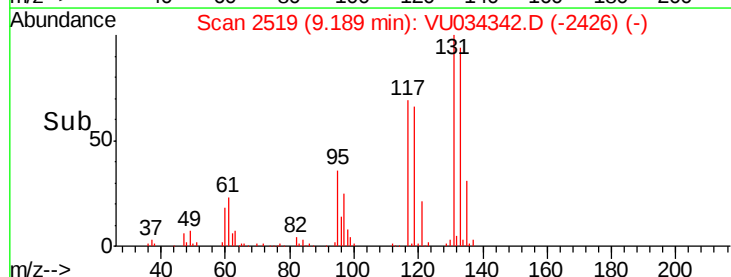
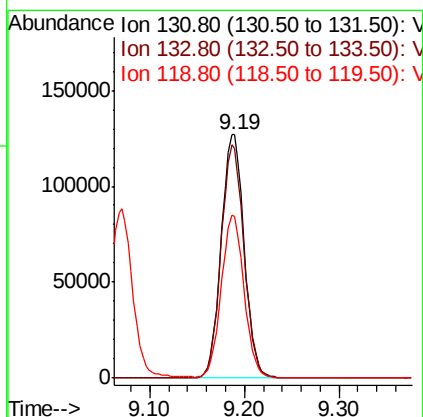
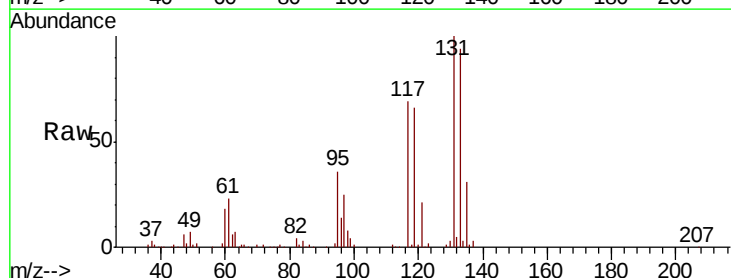
Instrument :
MSVOA_U
ClientSampleId :
GW-200-B4-47.0-52.0-090519MS

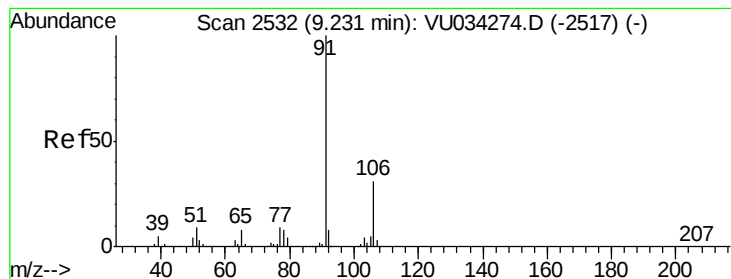
Tgt Ion:112 Resp: 578182
Ion Ratio Lower Upper
112 100
114 32.1 25.9 38.9



#66
1,1,1,2-Tetrachloroethane
Concen: 49.063 ug/l
RT: 9.19 min Scan# 2519
Delta R.T. 0.00 min
Lab File: VU034342.D
Acq: 06 Sep 2019 19:40

Tgt Ion:131 Resp: 214180
Ion Ratio Lower Upper
131 100
133 95.6 47.9 143.7
119 66.3 33.1 99.5





#67

Ethyl Benzene

Concen: 52.082 ug/l

RT: 9.23 min Scan# 2531

Delta R.T. -0.00 min

Lab File: VU034342.D

Acq: 06 Sep 2019 19:40

Instrument :

MSVOA_U

ClientSampleId :

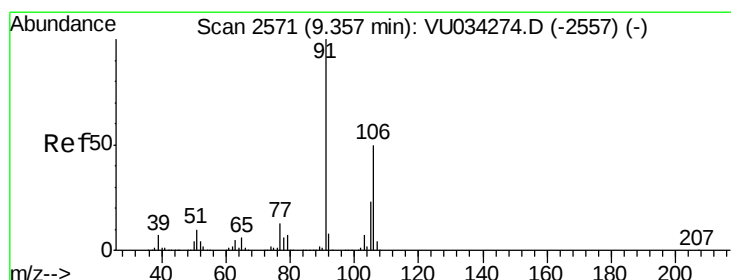
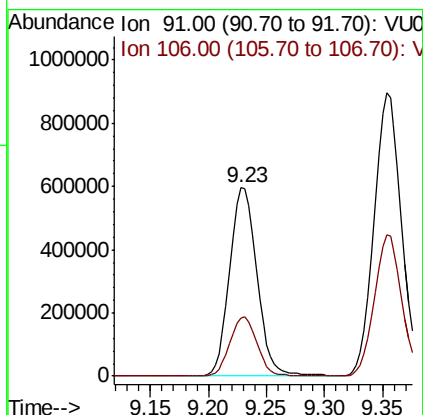
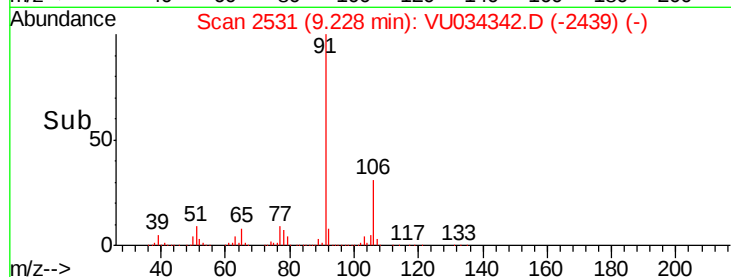
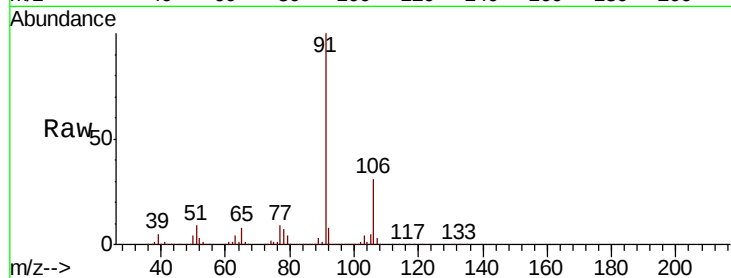
GW-200-B4-47.0-52.0-090519MS

Tgt Ion: 91 Resp: 974086

Ion Ratio Lower Upper

91 100

106 31.0 24.8 37.2



#68

m/p-Xylenes

Concen: 106.106 ug/l

RT: 9.35 min Scan# 2570

Delta R.T. -0.00 min

Lab File: VU034342.D

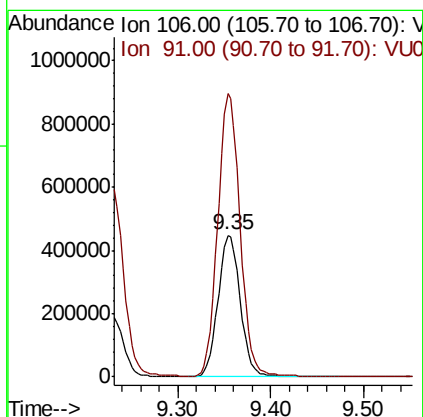
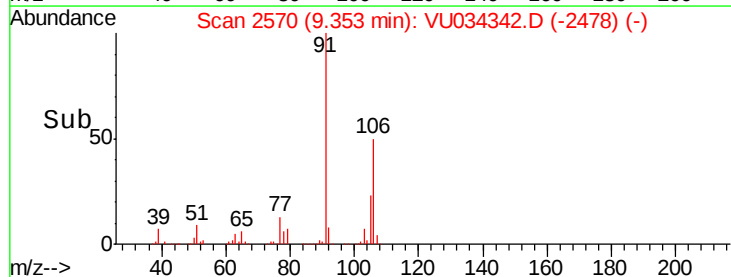
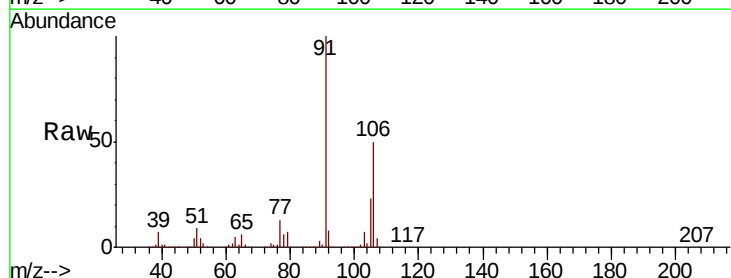
Acq: 06 Sep 2019 19:40

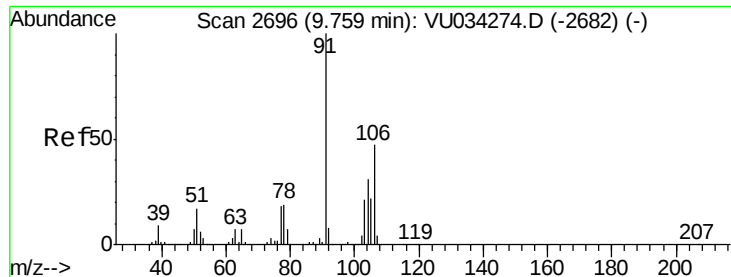
Tgt Ion: 106 Resp: 747284

Ion Ratio Lower Upper

106 100

91 200.6 160.1 240.1

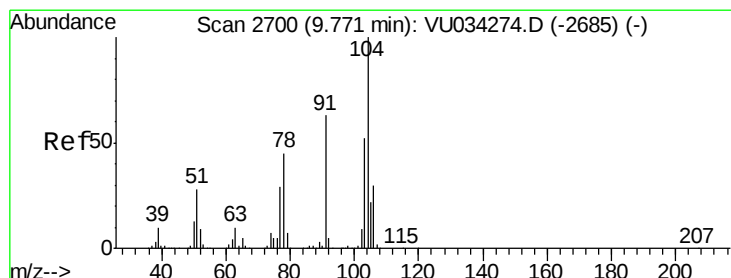
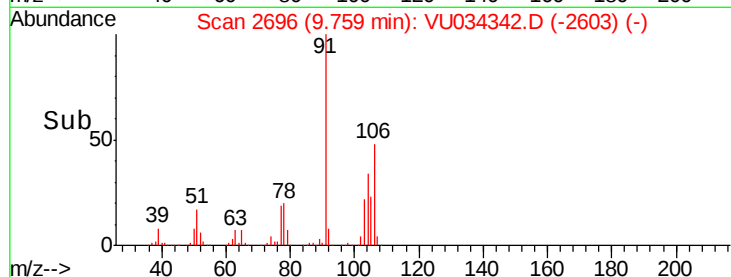
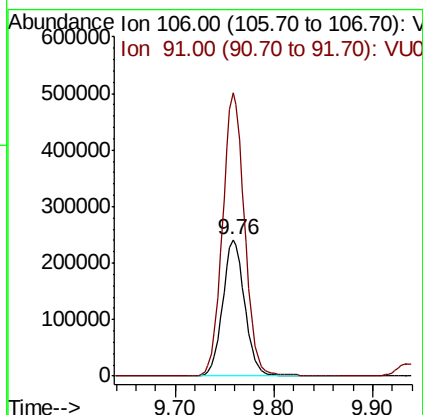
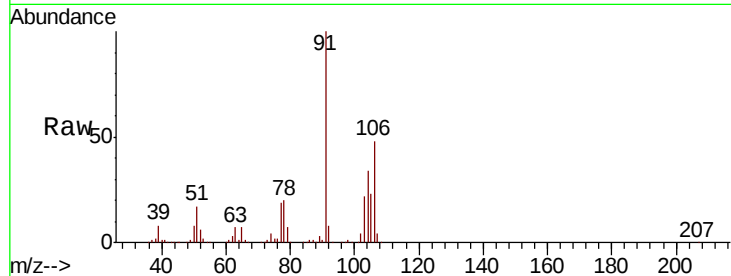




#69
o-Xylene
Concen: 54.756 ug/l
RT: 9.76 min Scan# 2696
Delta R.T. 0.00 min
Lab File: VU034342.D
Acq: 06 Sep 2019 19:40

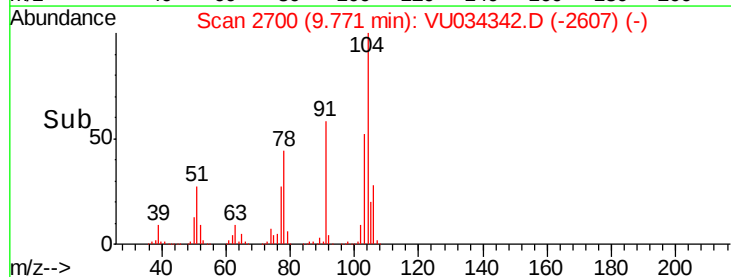
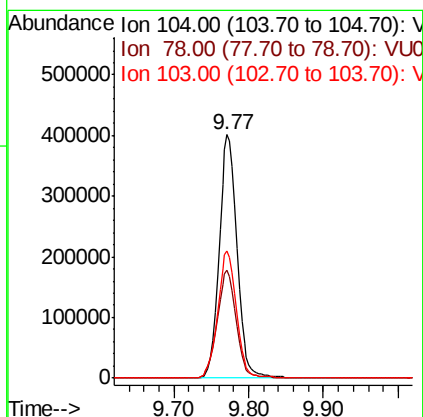
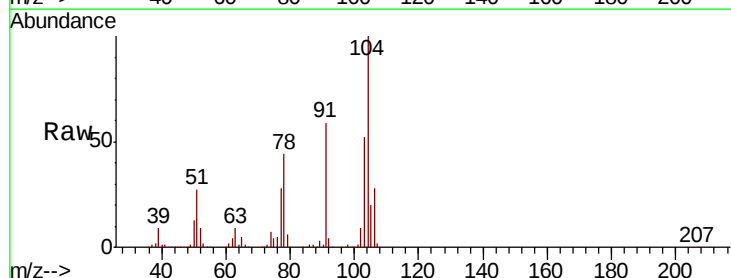
Instrument :
MSVOA_U
ClientSampleId :
GW-200-B4-47.0-52.0-090519MS

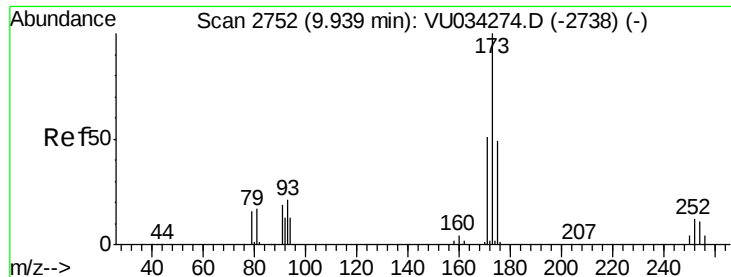
Tgt Ion:106 Resp: 377139
Ion Ratio Lower Upper
106 100
91 207.7 105.1 315.3



#70
Styrene
Concen: 54.949 ug/l
RT: 9.77 min Scan# 2700
Delta R.T. 0.00 min
Lab File: VU034342.D
Acq: 06 Sep 2019 19:40

Tgt Ion:104 Resp: 663549
Ion Ratio Lower Upper
104 100
78 47.1 38.6 57.8
103 54.7 44.2 66.4





#71

Bromoform

Concen: 49.758 ug/l

RT: 9.94 min Scan# 2752

Delta R.T. 0.00 min

Lab File: VU034342.D

Acq: 06 Sep 2019 19:40

Instrument :

MSVOA_U

ClientSampleId :

GW-200-B4-47.0-52.0-090519MS

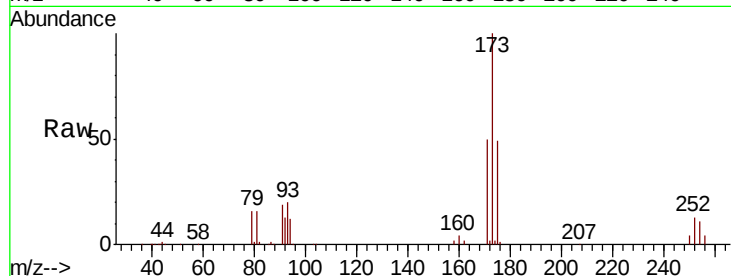
Tgt Ion:173 Resp: 188250

Ion Ratio Lower Upper

173 100

175 49.8 24.4 73.2

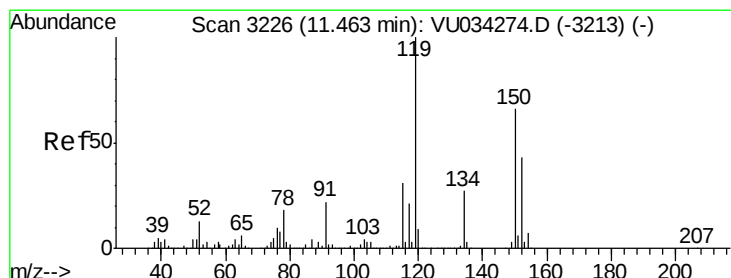
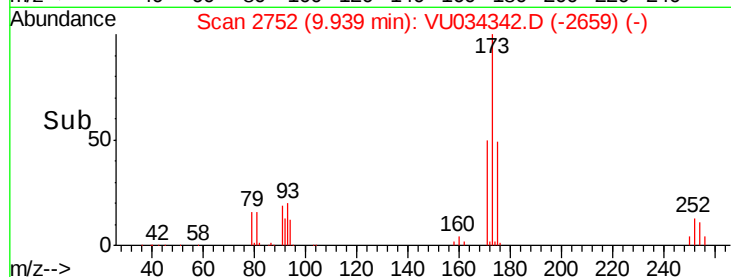
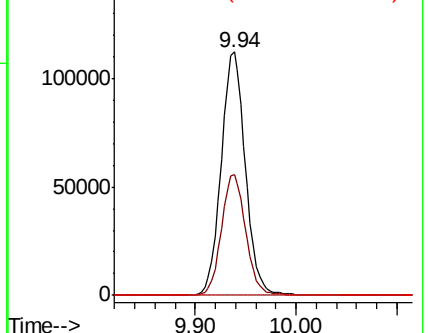
254 0.1 0.0 0.0#



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 11.46 min Scan# 3226

Delta R.T. 0.00 min

Lab File: VU034342.D

Acq: 06 Sep 2019 19:40

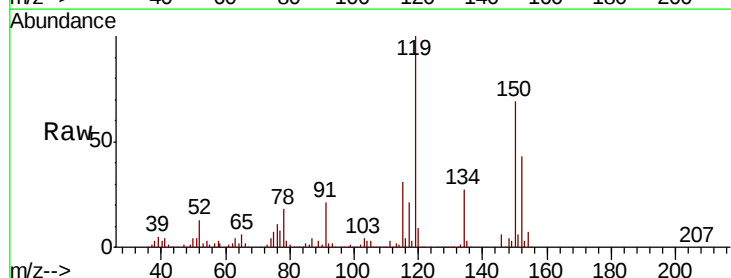
Tgt Ion:152 Resp: 293581

Ion Ratio Lower Upper

152 100

115 78.1 39.1 117.3

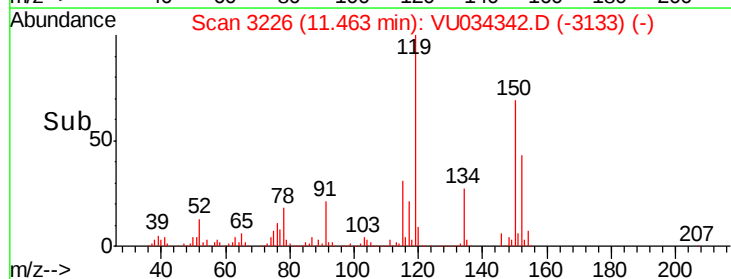
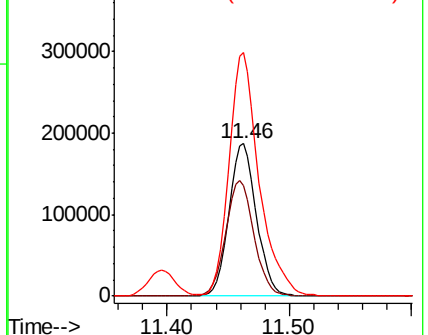
150 174.6 0.0 345.4

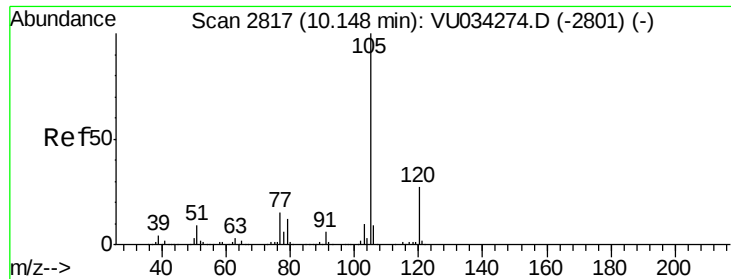


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 52.777 ug/l

RT: 10.14 min Scan# 2816

Delta R.T. -0.00 min

Lab File: VU034342.D

Acq: 06 Sep 2019 19:40

Instrument :

MSVOA_U

ClientSampleId :

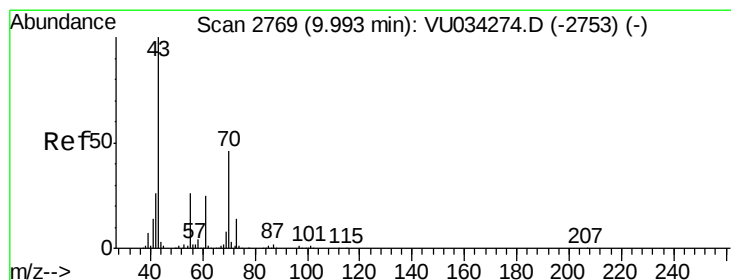
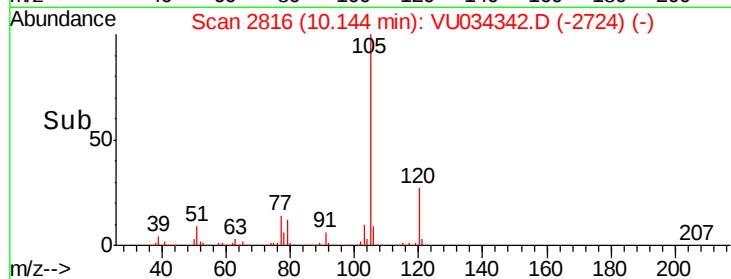
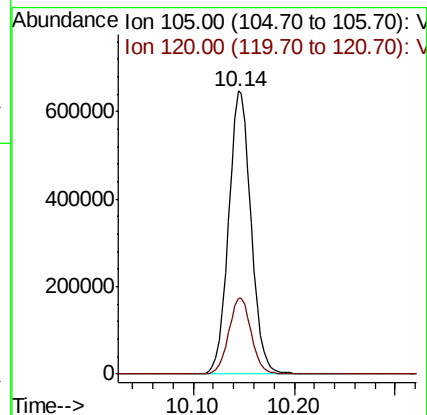
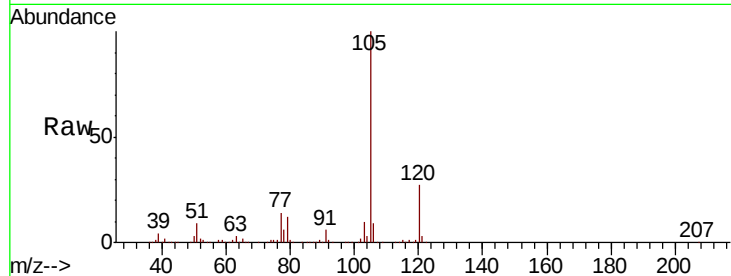
GW-200-B4-47.0-52.0-090519MS

Tgt Ion: 105 Resp: 1008326

Ion Ratio Lower Upper

105 100

120 27.1 13.4 40.2



#74

N-ethyl acetate

Concen: 52.804 ug/l

RT: 9.99 min Scan# 2769

Delta R.T. 0.00 min

Lab File: VU034342.D

Acq: 06 Sep 2019 19:40

Tgt Ion: 43 Resp: 406089

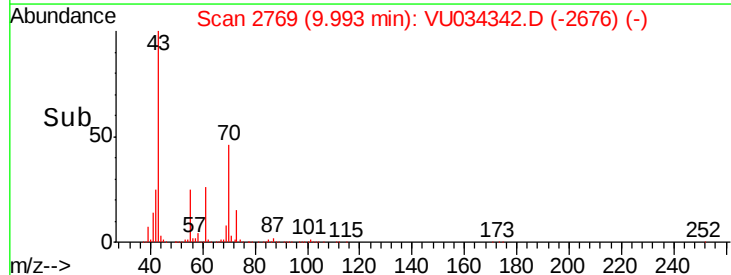
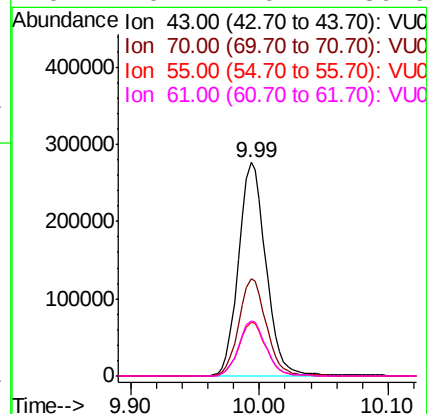
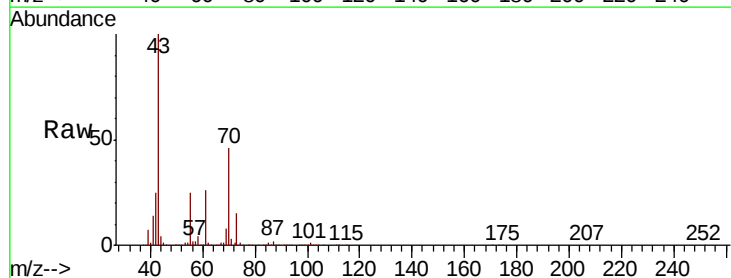
Ion Ratio Lower Upper

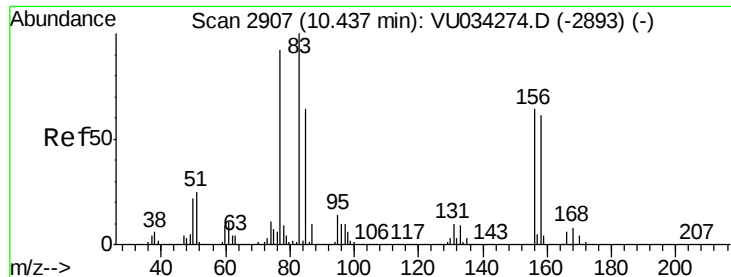
43 100

70 46.1 36.4 54.6

55 25.5 21.2 31.8

61 26.2 20.4 30.6





#75

1,1,2,2-Tetrachloroethane

Concen: 49.187 ug/l

RT: 10.44 min Scan# 2907

Delta R.T. 0.00 min

Lab File: VU034342.D

Acq: 06 Sep 2019 19:40

Instrument :

MSVOA_U

ClientSampleId :

GW-200-B4-47.0-52.0-090519MS

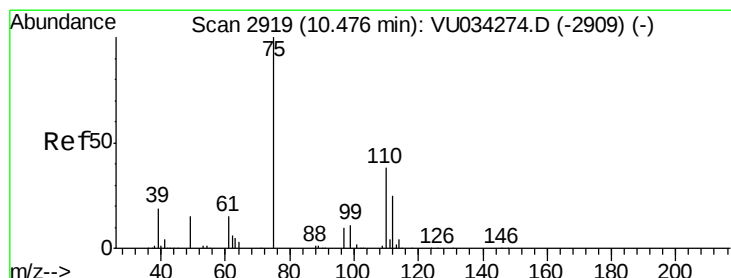
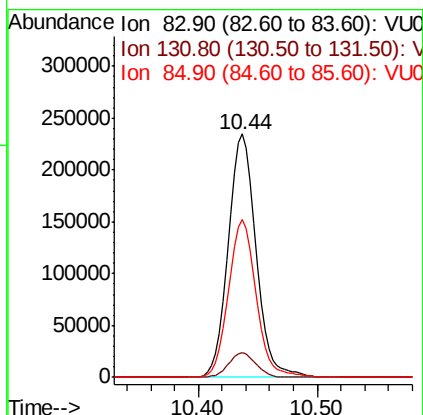
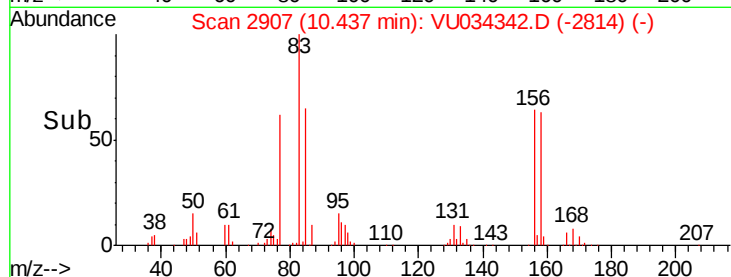
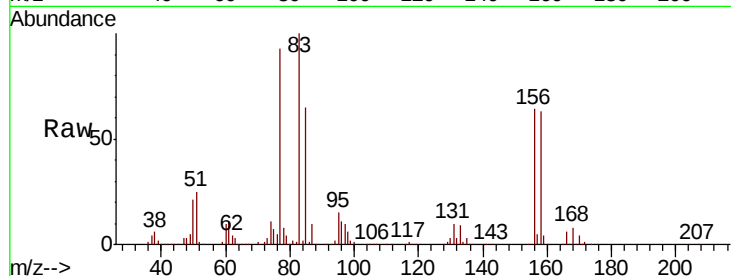
Tgt Ion: 83 Resp: 380383

Ion Ratio Lower Upper

83 100

131 9.9 5.1 15.2

85 64.6 32.0 96.2



#76

1,2,3-Trichloropropane

Concen: 64.029 ug/l

RT: 10.47 min Scan# 2918

Delta R.T. -0.00 min

Lab File: VU034342.D

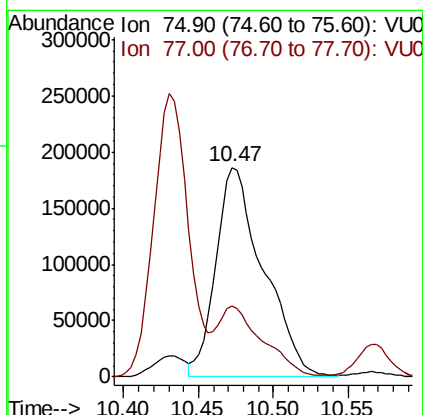
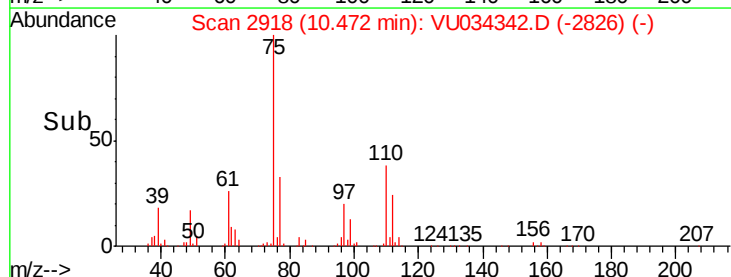
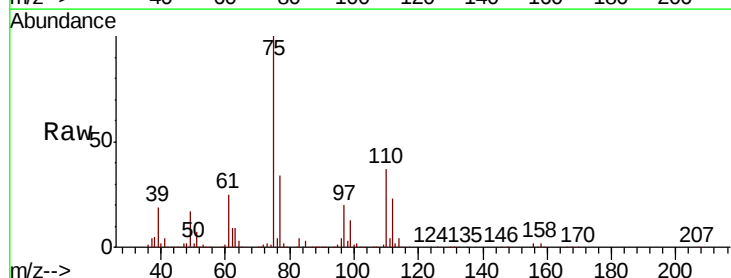
Acq: 06 Sep 2019 19:40

Tgt Ion: 75 Resp: 410321

Ion Ratio Lower Upper

75 100

77 31.0 20.8 62.2

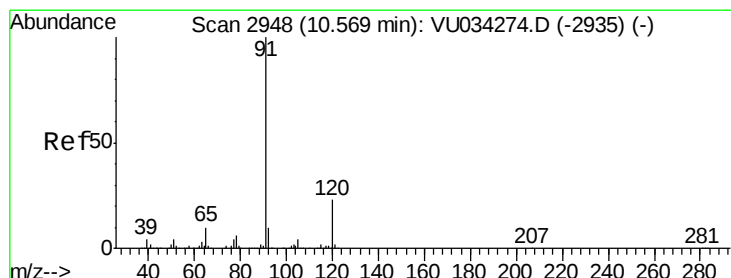
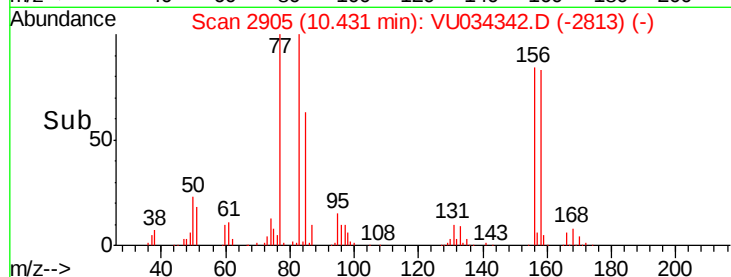
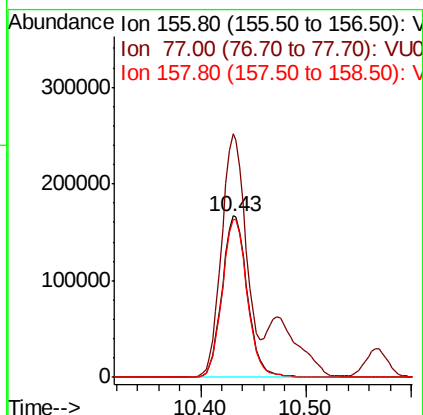
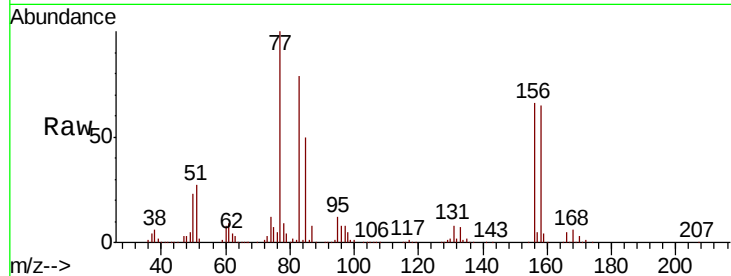




#77
Bromobenzene
Concen: 51.767 ug/l
RT: 10.43 min Scan# 2905
Delta R.T. -0.00 min
Lab File: VU034342.D
Acq: 06 Sep 2019 19:40

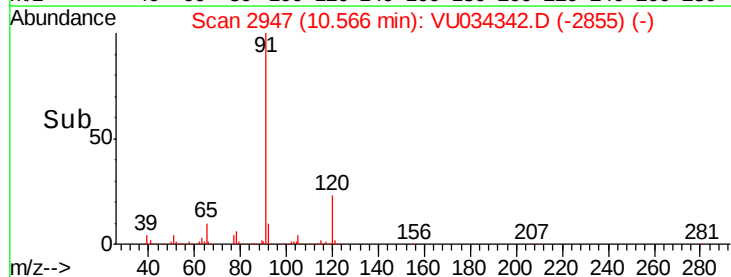
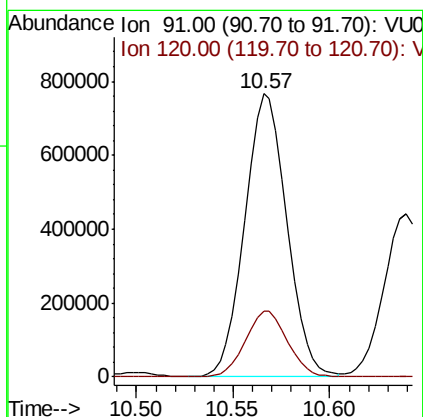
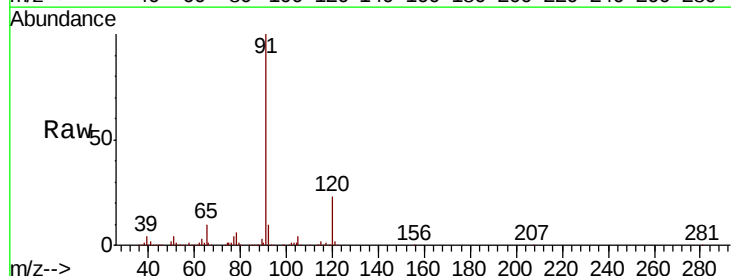
Instrument :
MSVOA_U
ClientSampleId :
GW-200-B4-47.0-52.0-090519MS

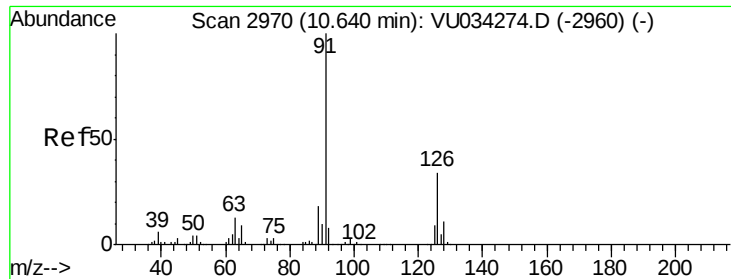
Tgt Ion:156 Resp: 276547
Ion Ratio Lower Upper
156 100
77 146.5 75.6 226.9
158 97.1 48.2 144.6



#78
n-propylbenzene
Concen: 52.564 ug/l
RT: 10.57 min Scan# 2947
Delta R.T. -0.00 min
Lab File: VU034342.D
Acq: 06 Sep 2019 19:40

Tgt Ion: 91 Resp: 1159836
Ion Ratio Lower Upper
91 100
120 23.4 11.7 35.0





#79

2-Chlorotoluene

Concen: 51.908 ug/l

RT: 10.64 min Scan# 2970

Delta R.T. 0.00 min

Lab File: VU034342.D

Acq: 06 Sep 2019 19:40

Instrument :

MSVOA_U

ClientSampleId :

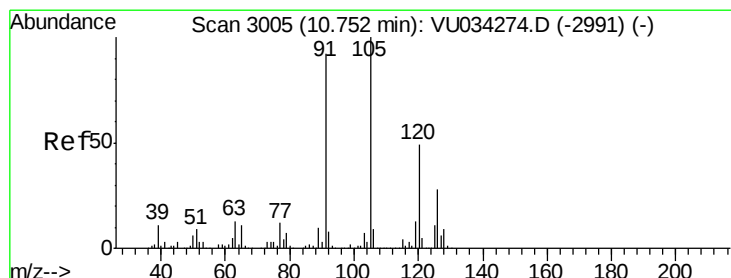
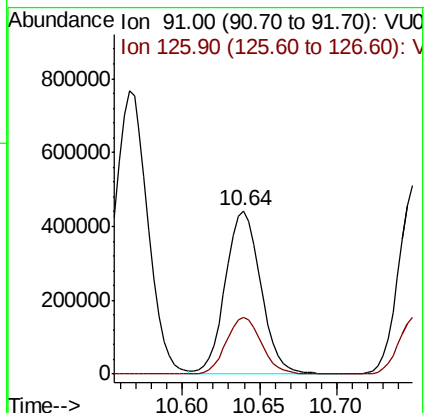
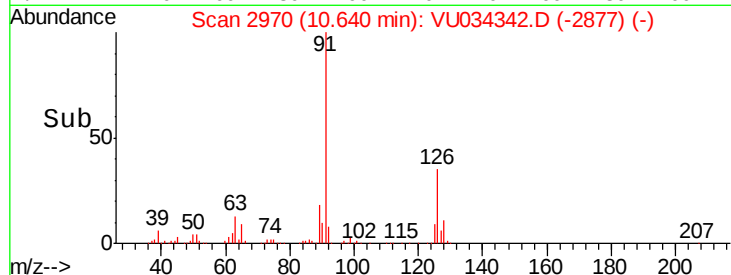
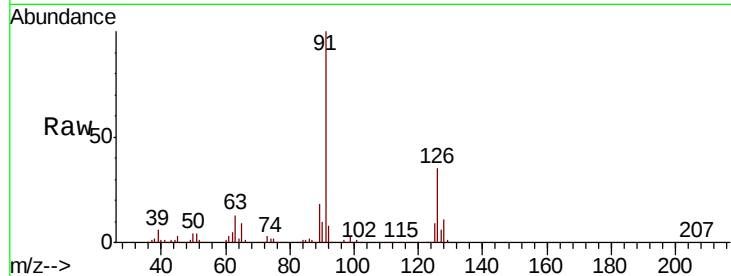
GW-200-B4-47.0-52.0-090519MS

Tgt Ion: 91 Resp: 698851

Ion Ratio Lower Upper

91 100

126 34.8 17.3 51.9



#80

1,3,5-Trimethylbenzene

Concen: 53.820 ug/l

RT: 10.75 min Scan# 3005

Delta R.T. 0.00 min

Lab File: VU034342.D

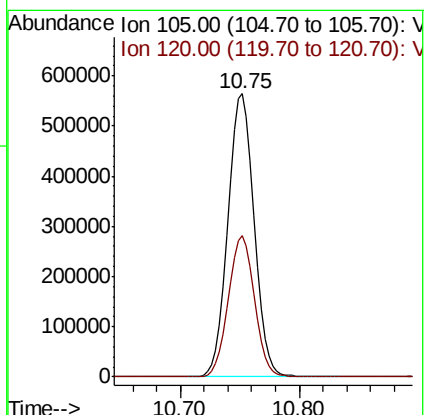
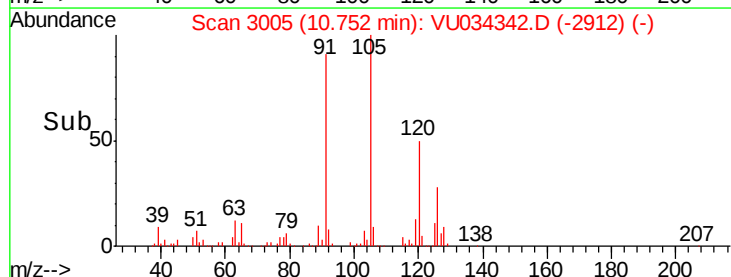
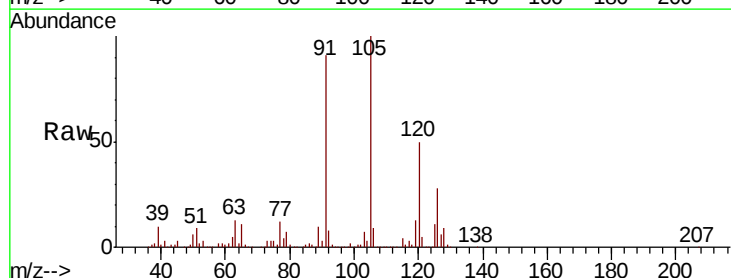
Acq: 06 Sep 2019 19:40

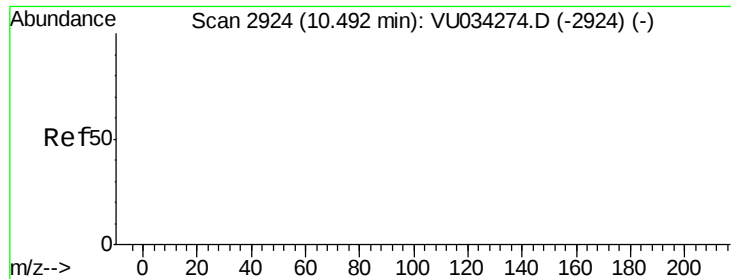
Tgt Ion: 105 Resp: 859978

Ion Ratio Lower Upper

105 100

120 49.8 24.9 74.7

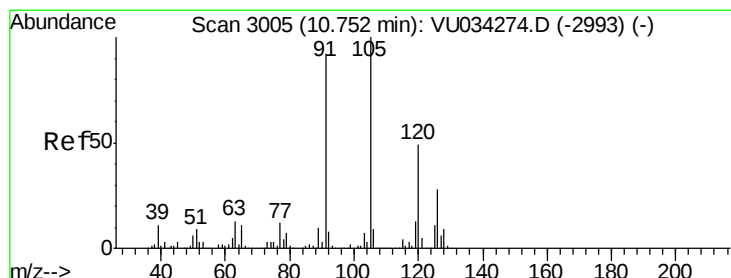
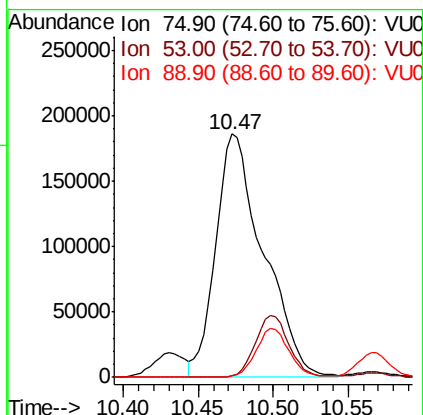
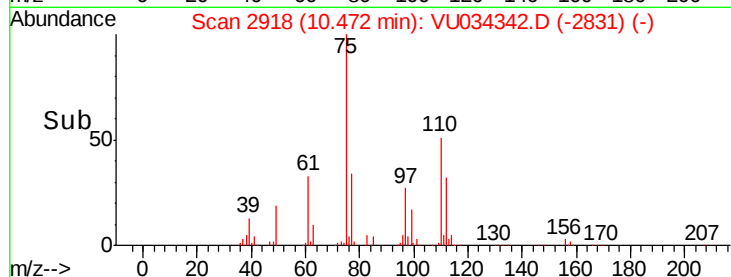
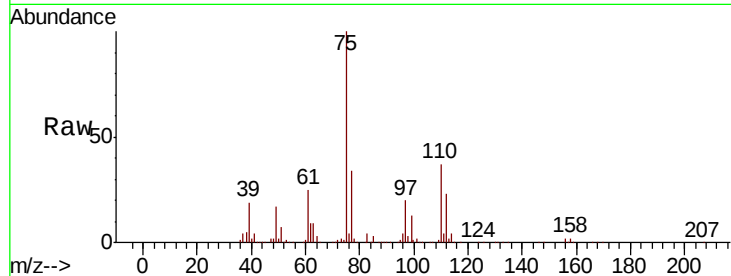




#81
trans-1,4-Dichloro-2-butene
Concen: 215.958 ug/l
RT: 10.47 min Scan# 2918
Delta R.T. -0.02 min
Lab File: VU034342.D
Acq: 06 Sep 2019 19:40

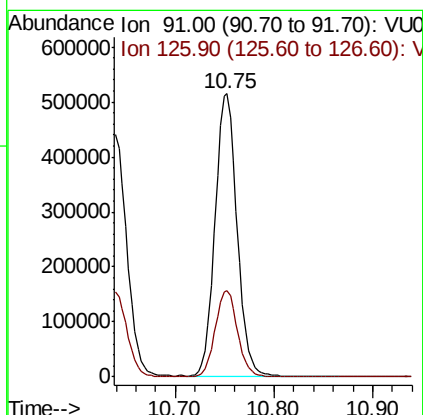
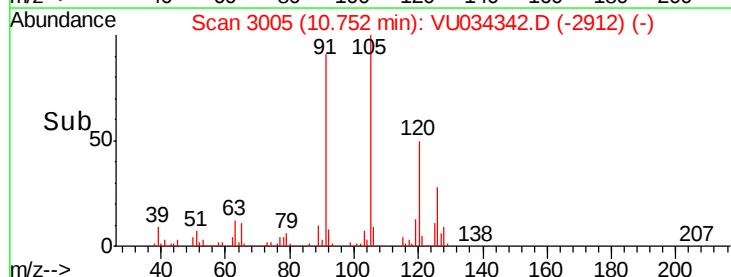
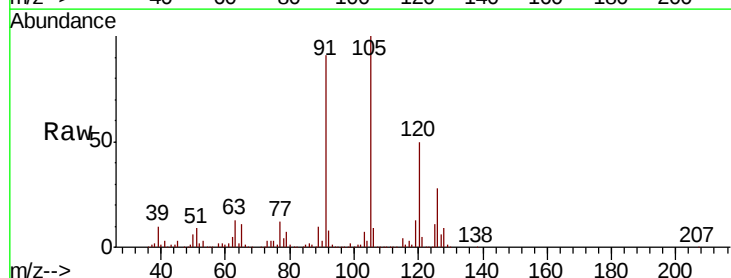
Instrument :
MSVOA_U
ClientSampleId :
GW-200-B4-47.0-52.0-090519MS

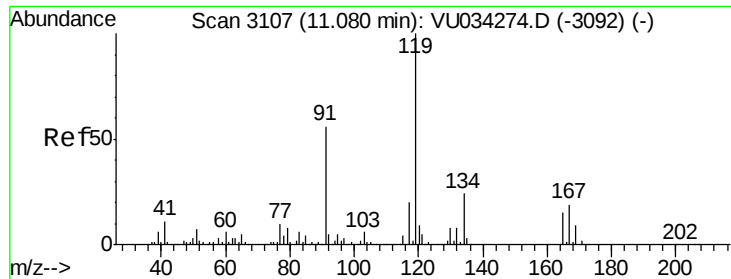
Tgt Ion: 75 Resp: 411526
Ion Ratio Lower Upper
75 100
53 0.0 0.0 0.0
89 0.0 0.0 0.0



#82
4-Chlorotoluene
Concen: 51.846 ug/l
RT: 10.75 min Scan# 3005
Delta R.T. 0.00 min
Lab File: VU034342.D
Acq: 06 Sep 2019 19:40

Tgt Ion: 91 Resp: 803270
Ion Ratio Lower Upper
91 100
126 31.0 15.3 45.8

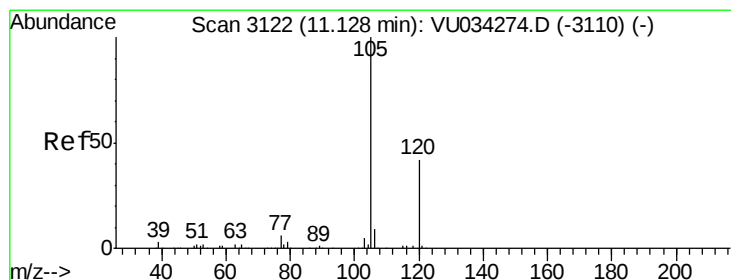
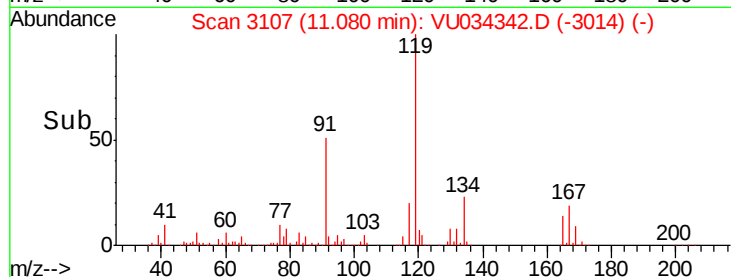
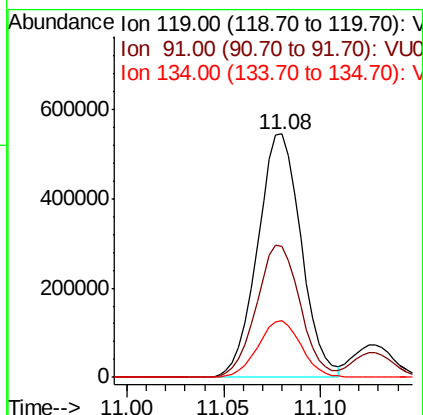
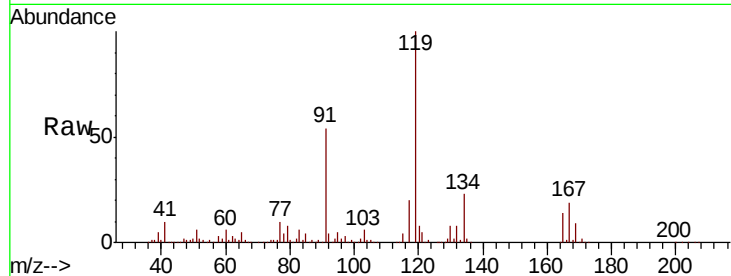




#83
 tert-Butylbenzene
 Concen: 53.677 ug/l
 RT: 11.08 min Scan# 3107
 Delta R.T. 0.00 min
 Lab File: VU034342.D
 Acq: 06 Sep 2019 19:40

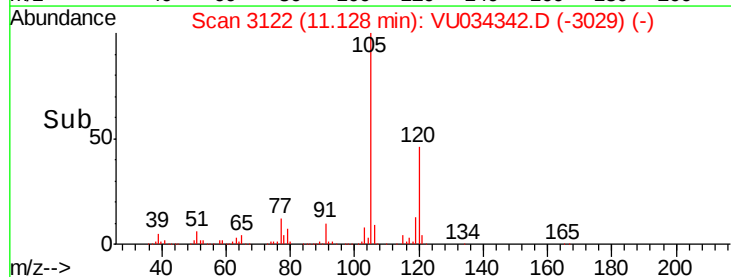
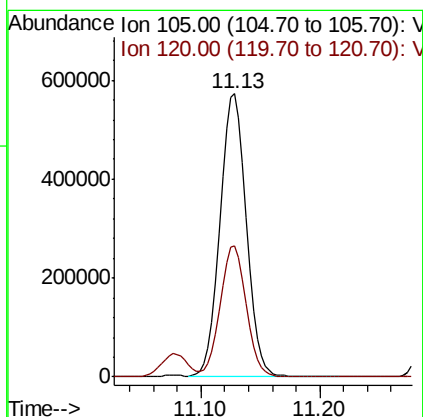
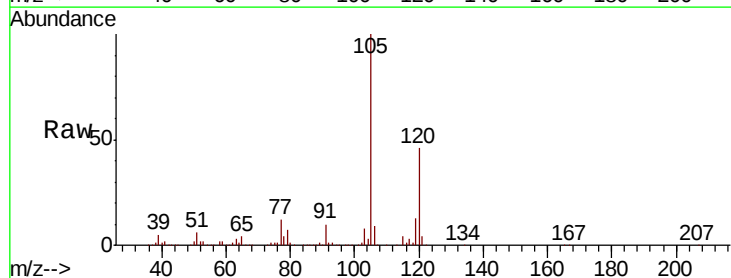
Instrument :
 MSVOA_U
 ClientSampleId :
 GW-200-B4-47.0-52.0-090519MS

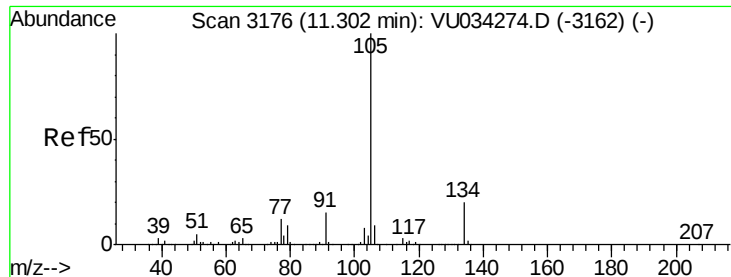
Tgt Ion:119 Resp: 858013
 Ion Ratio Lower Upper
 119 100
 91 54.5 27.8 83.4
 134 23.1 11.7 35.0



#84
 1,2,4-Trimethylbenzene
 Concen: 54.444 ug/l
 RT: 11.13 min Scan# 3122
 Delta R.T. 0.00 min
 Lab File: VU034342.D
 Acq: 06 Sep 2019 19:40

Tgt Ion:105 Resp: 875697
 Ion Ratio Lower Upper
 105 100
 120 45.9 22.9 68.8

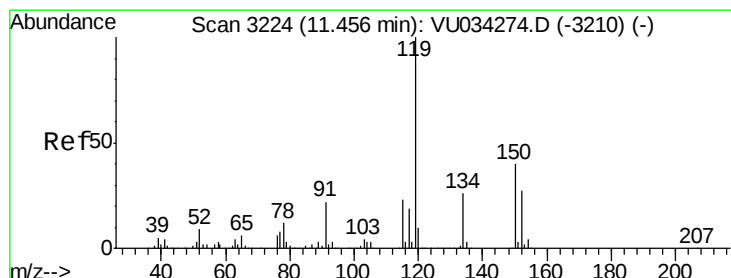
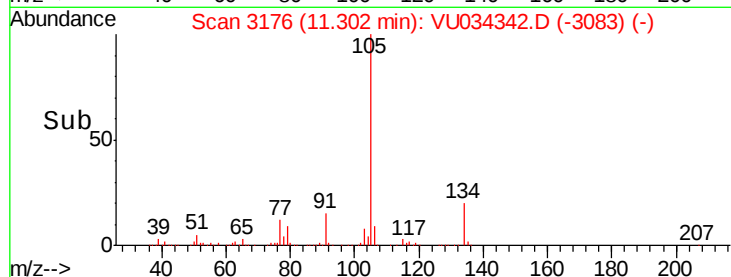
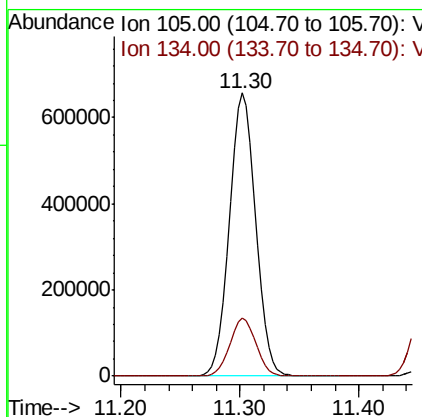
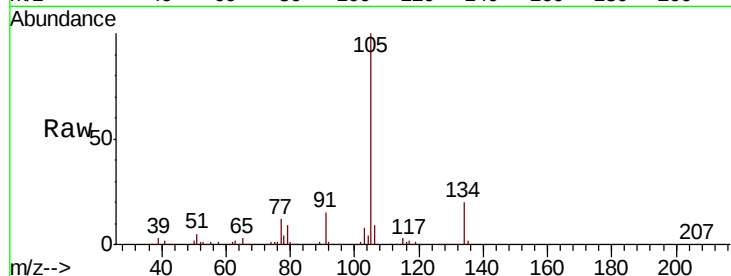




#85
 sec-Butylbenzene
 Concen: 53.140 ug/l
 RT: 11.30 min Scan# 3176
 Delta R.T. 0.00 min
 Lab File: VU034342.D
 Acq: 06 Sep 2019 19:40

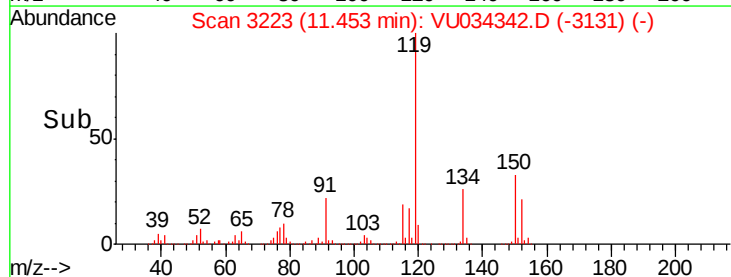
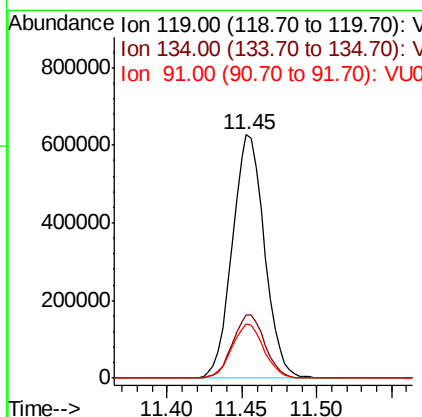
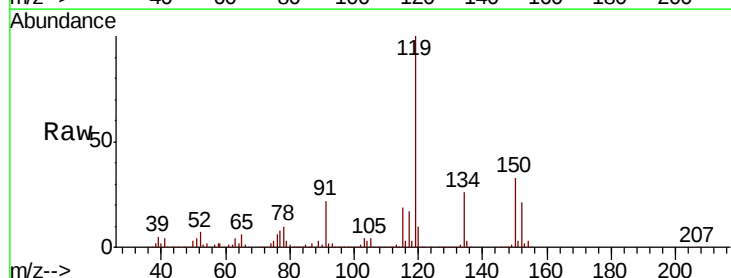
Instrument :
 MSVOA_U
 ClientSampleId :
 GW-200-B4-47.0-52.0-090519MS

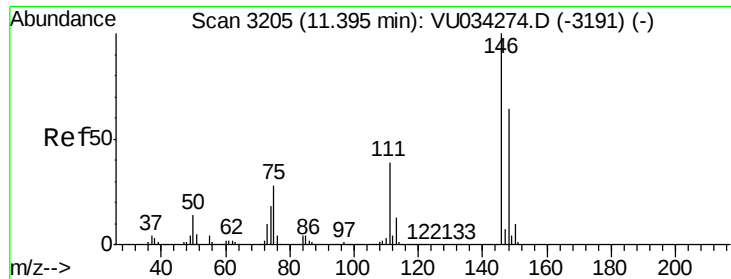
Tgt Ion:105 Resp: 1002817
 Ion Ratio Lower Upper
 105 100
 134 20.5 10.1 30.3



#86
 p-Isopropyltoluene
 Concen: 53.524 ug/l
 RT: 11.45 min Scan# 3223
 Delta R.T. -0.00 min
 Lab File: VU034342.D
 Acq: 06 Sep 2019 19:40

Tgt Ion:119 Resp: 932271
 Ion Ratio Lower Upper
 119 100
 134 26.2 13.3 39.8
 91 21.9 11.2 33.6

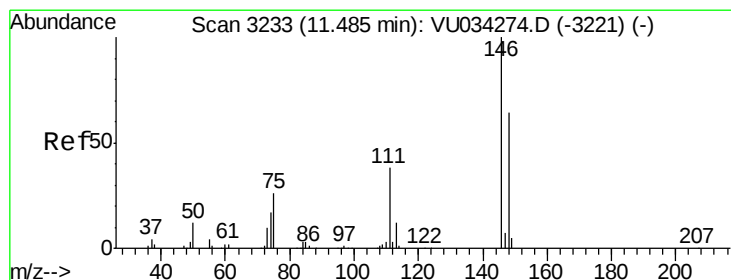
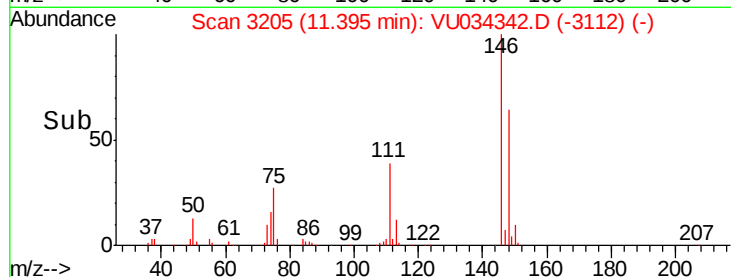
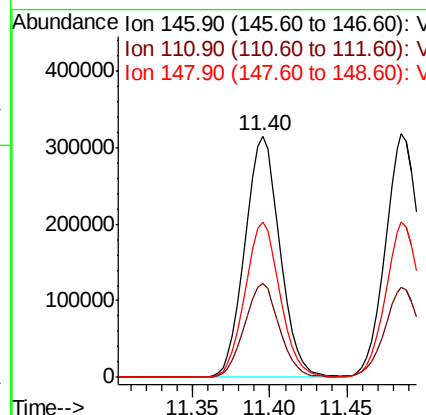
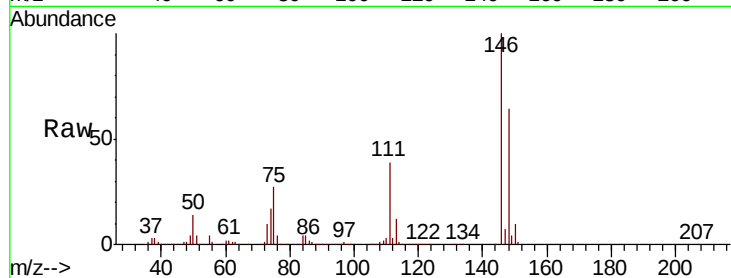




#87
 1,3-Dichlorobenzene
 Concen: 51.005 ug/l
 RT: 11.40 min Scan# 3205
 Delta R.T. 0.00 min
 Lab File: VU034342.D
 Acq: 06 Sep 2019 19:40

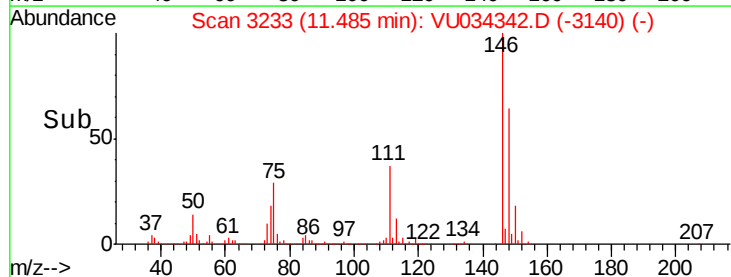
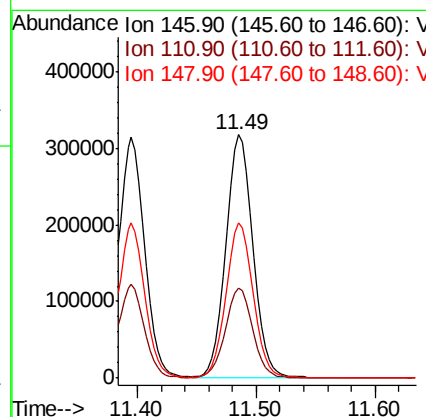
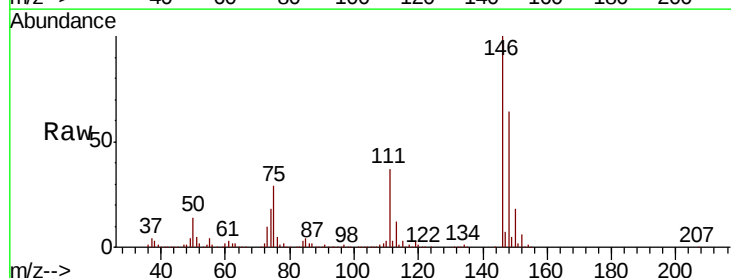
Instrument :
 MSVOA_U
 ClientSampleId :
 GW-200-B4-47.0-52.0-090519MS

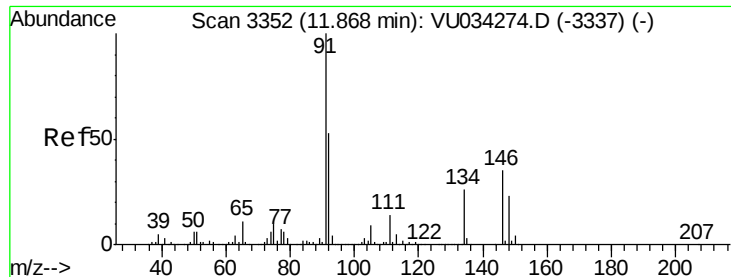
Tgt Ion:146 Resp: 497206
 Ion Ratio Lower Upper
 146 100
 111 38.6 19.5 58.5
 148 64.2 32.1 96.3



#88
 1,4-Dichlorobenzene
 Concen: 49.129 ug/l
 RT: 11.49 min Scan# 3233
 Delta R.T. 0.00 min
 Lab File: VU034342.D
 Acq: 06 Sep 2019 19:40

Tgt Ion:146 Resp: 499532
 Ion Ratio Lower Upper
 146 100
 111 37.5 19.1 57.3
 148 64.0 32.0 96.0





#89

n-Butylbenzene

Concen: 53.643 ug/l

RT: 11.87 min Scan# 3352

Delta R.T. 0.00 min

Lab File: VU034342.D

Acq: 06 Sep 2019 19:40

Instrument :

MSVOA_U

ClientSampleId :

GW-200-B4-47.0-52.0-090519MS

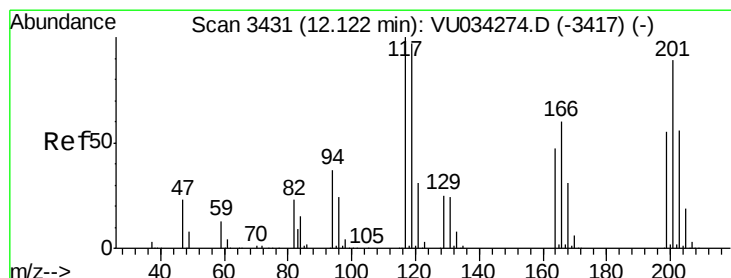
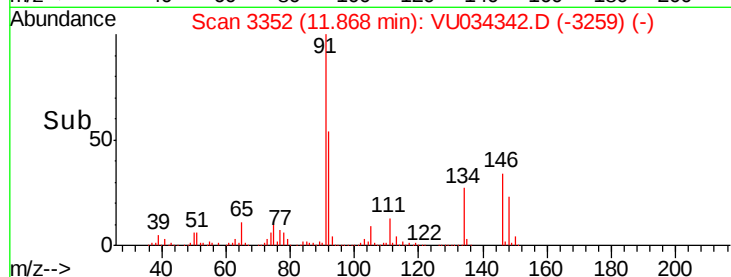
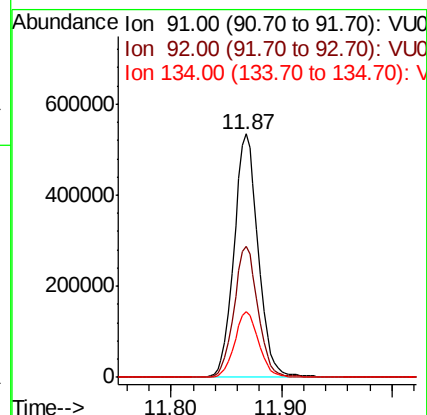
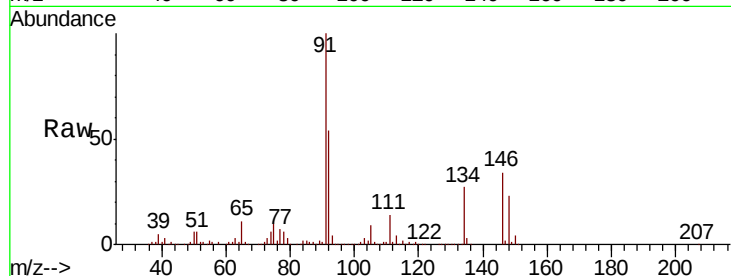
Tgt Ion: 91 Resp: 811965

Ion Ratio Lower Upper

91 100

92 53.5 26.5 79.4

134 26.9 13.2 39.6



#90

Hexachloroethane

Concen: 48.267 ug/l

RT: 12.12 min Scan# 3431

Delta R.T. 0.00 min

Lab File: VU034342.D

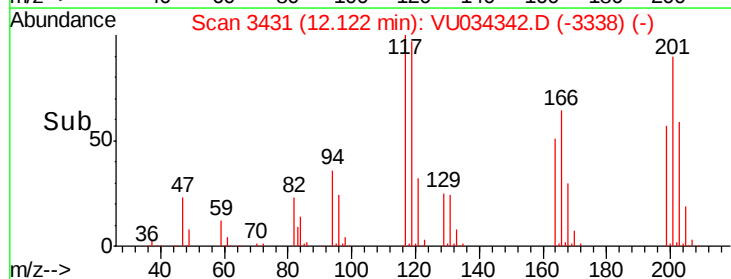
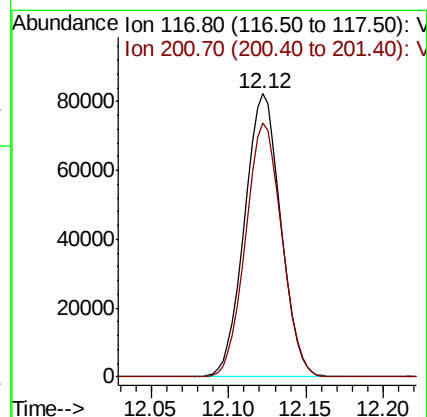
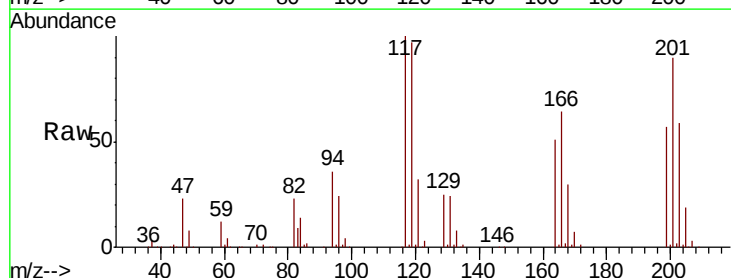
Acq: 06 Sep 2019 19:40

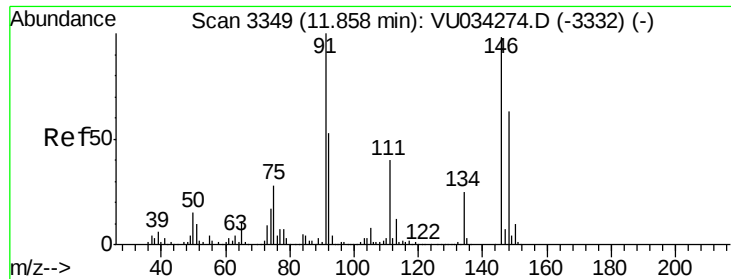
Tgt Ion: 117 Resp: 134504

Ion Ratio Lower Upper

117 100

201 89.6 44.1 132.4

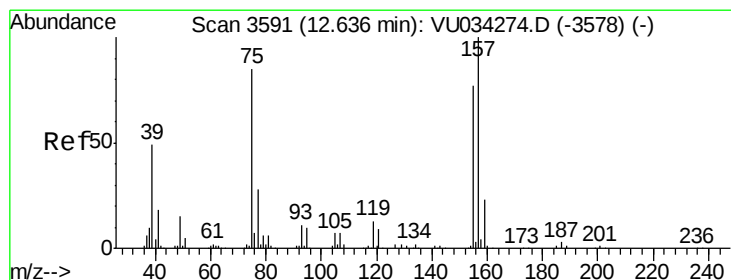
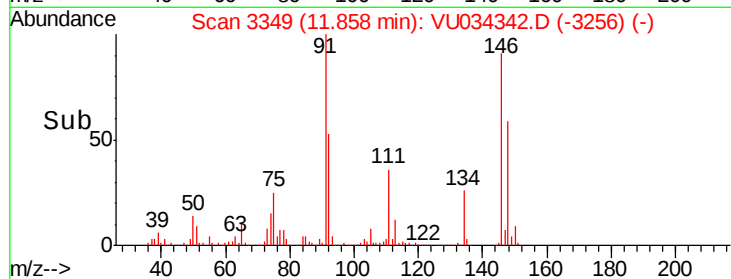
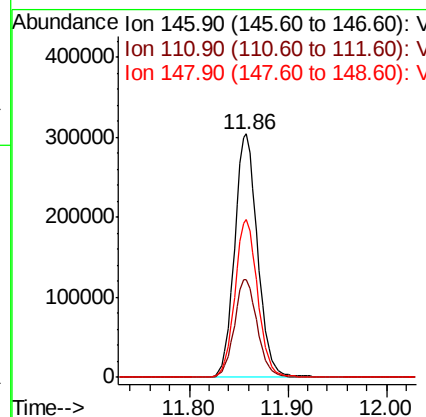
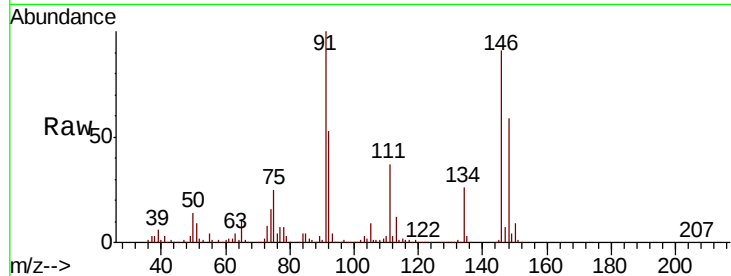




#91
 1,2-Dichlorobenzene
 Concen: 51.707 ug/l
 RT: 11.86 min Scan# 3349
 Delta R.T. 0.00 min
 Lab File: VU034342.D
 Acq: 06 Sep 2019 19:40

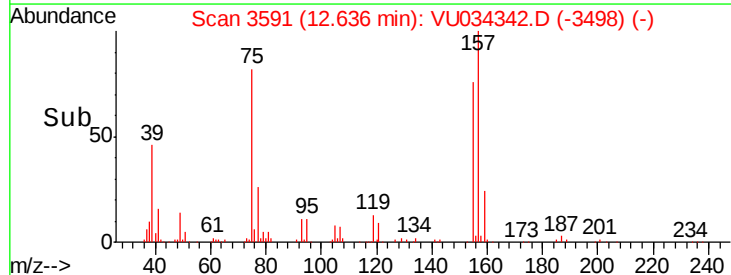
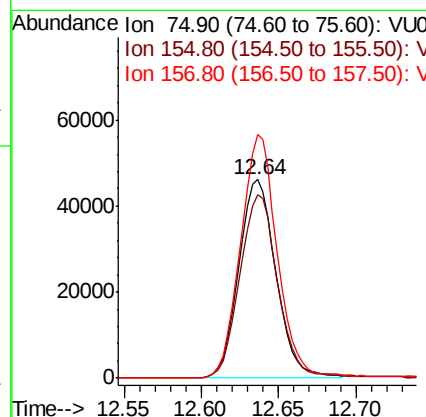
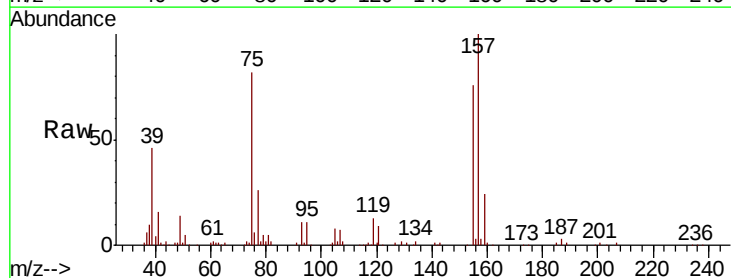
Instrument :
 MSVOA_U
 ClientSampleId :
 GW-200-B4-47.0-52.0-090519MS

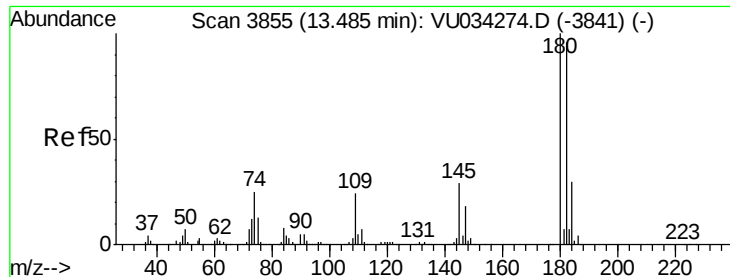
Tgt Ion: 146 Resp: 495380
 Ion Ratio Lower Upper
 146 100
 111 40.0 20.0 60.0
 148 64.1 31.6 94.8



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 54.320 ug/l
 RT: 12.64 min Scan# 3591
 Delta R.T. 0.00 min
 Lab File: VU034342.D
 Acq: 06 Sep 2019 19:40

Tgt Ion: 75 Resp: 77193
 Ion Ratio Lower Upper
 75 100
 155 93.6 44.6 134.0
 157 121.8 58.2 174.6

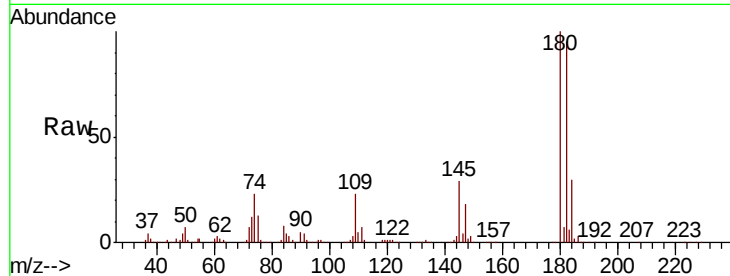




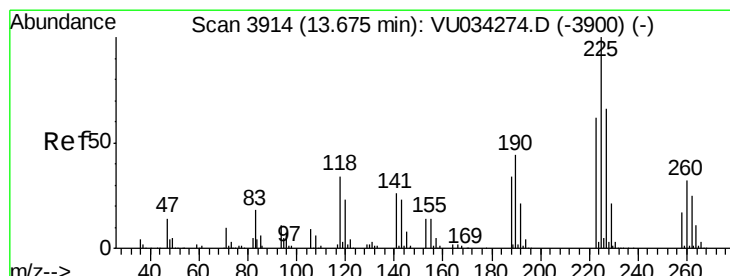
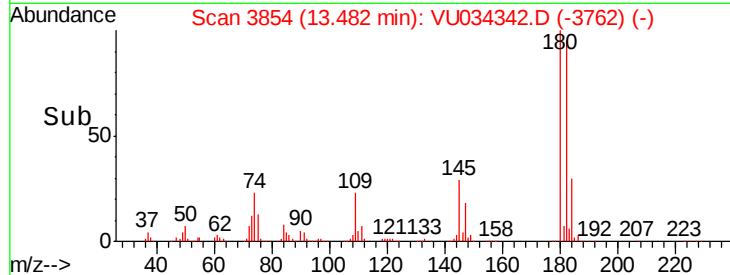
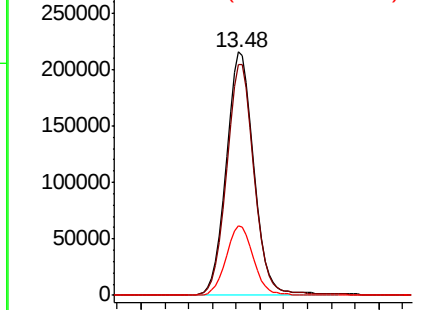
#93
 1,2,4-Trichlorobenzene
 Concen: 49.821 ug/l
 RT: 13.48 min Scan# 3854
 Delta R.T. -0.00 min
 Lab File: VU034342.D
 Acq: 06 Sep 2019 19:40

Instrument :
 MSVOA_U
 ClientSampleId :
 GW-200-B4-47.0-52.0-090519MS

Tgt Ion:180 Resp: 346078
 Ion Ratio Lower Upper
 180 100
 182 95.6 47.9 143.8
 145 28.4 14.4 43.0

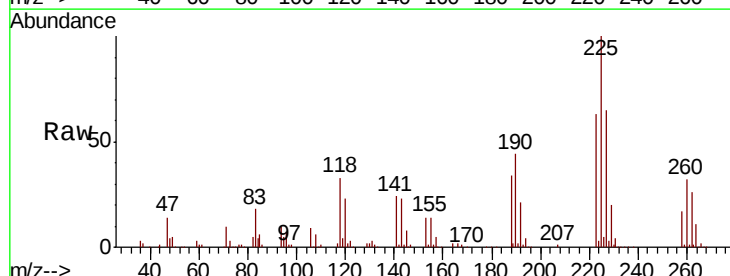


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

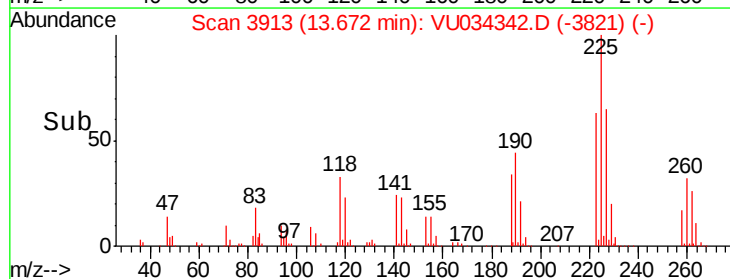
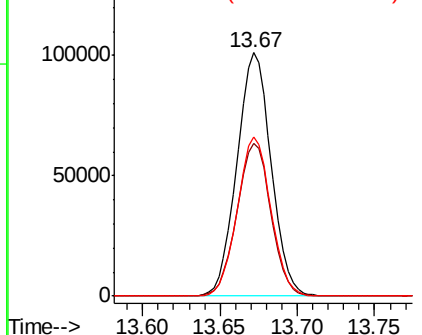


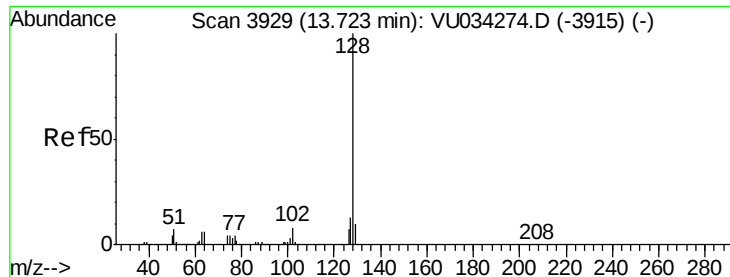
#94
 Hexachlorobutadiene
 Concen: 46.353 ug/l
 RT: 13.67 min Scan# 3913
 Delta R.T. -0.00 min
 Lab File: VU034342.D
 Acq: 06 Sep 2019 19:40

Tgt Ion:225 Resp: 155337
 Ion Ratio Lower Upper
 225 100
 223 62.3 31.6 94.7
 227 64.0 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

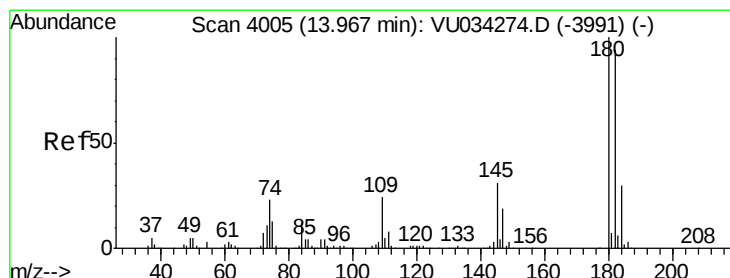
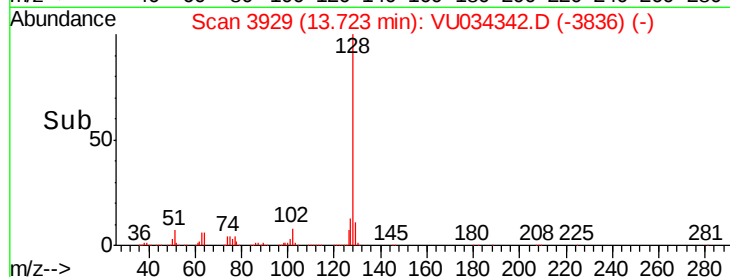
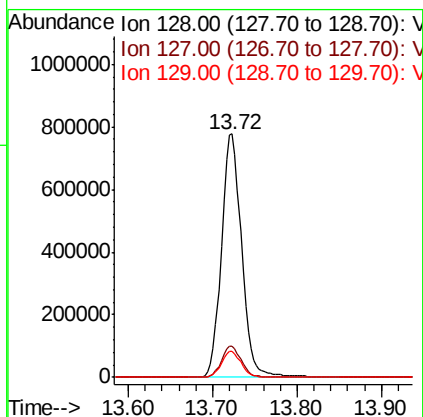
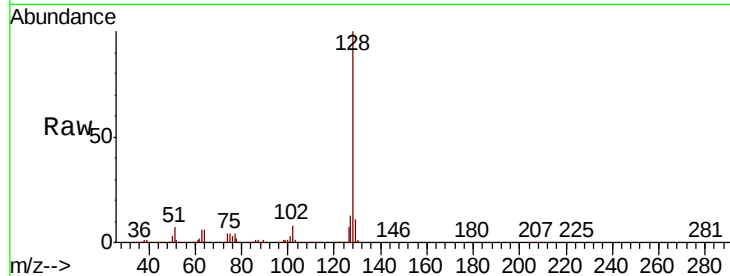




#95
Naphthalene
Concen: 65.006 ug/l
RT: 13.72 min Scan# 3929
Delta R.T. 0.00 min
Lab File: VU034342.D
Acq: 06 Sep 2019 19:40

Instrument :
MSVOA_U
ClientSampleId :
GW-200-B4-47.0-52.0-090519MS

Tgt Ion:128 Resp: 1297233
Ion Ratio Lower Upper
128 100
127 12.9 10.6 15.8
129 10.6 8.4 12.6



#96
1,2,3-Trichlorobenzene
Concen: 50.914 ug/l
RT: 13.97 min Scan# 4005
Delta R.T. 0.00 min
Lab File: VU034342.D
Acq: 06 Sep 2019 19:40

Tgt Ion:180 Resp: 342035
Ion Ratio Lower Upper
180 100
182 95.0 48.4 145.0
145 29.8 15.4 46.4

