

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU090719\
 Data File : VU034346.D
 Acq On : 06 Sep 2019 21:36
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

Quant Time: Sep 07 04:11:50 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	313098	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.86	114	458116	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.07	117	451570	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.46	152	293455	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.29	65	224606	47.41	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.82%	
35) Dibromofluoromethane	4.86	113	205733	48.26	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.52%	
50) Toluene-d8	7.55	98	794250	49.59	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.18%	
62) 4-Bromofluorobenzene	10.29	95	305218	49.36	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.72%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.20	85	141352	43.167	ug/l	99
3) Chloromethane	1.32	50	164701	46.549	ug/l	99
4) Vinyl Chloride	1.40	62	180148	44.149	ug/l	98
5) Bromomethane	1.61	94	112911	54.942	ug/l	100
6) Chloroethane	1.69	64	114761	48.355	ug/l	98
7) Trichlorofluoromethane	1.87	101	248982	45.508	ug/l	99
8) Diethyl Ether	2.09	74	115483	47.986	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	2.27	101	165461	45.660	ug/l	99
10) Methyl Iodide	2.40	142	158885	48.084	ug/l	99
11) Tert butyl alcohol	2.81	59	256618	256.410	ug/l	100
12) 1,1-Dichloroethene	2.27	96	159501	46.822	ug/l	97
13) Acrolein	2.18	56	129930	154.463	ug/l	99
14) Allyl chloride	2.58	41	260835	40.051	ug/l	91
15) Acrylonitrile	2.92	53	620058	248.794	ug/l	100
16) Acetone	2.31	43	485258	197.943	ug/l	99
17) Carbon Disulfide	2.47	76	320131	41.813	ug/l	100
18) Methyl Acetate	2.60	43	272404	45.666	ug/l	99
19) Methyl tert-butyl Ether	2.98	73	625090	50.343	ug/l	100
20) Methylene Chloride	2.69	84	200736	49.992	ug/l	96
21) trans-1,2-Dichloroethene	2.97	96	166694	46.435	ug/l	98
22) Diisopropyl ether	3.55	45	625126	49.220	ug/l	98
23) Vinyl Acetate	3.50	43	2616426	252.908	ug/l	99
24) 1,1-Dichloroethane	3.43	63	353030	46.545	ug/l	100
25) 2-Butanone	4.24	43	793405	242.450	ug/l	98
26) 2,2-Dichloropropane	4.20	77	258660	42.402	ug/l	98
27) cis-1,2-Dichloroethene	4.20	96	214576	49.216	ug/l	97
28) Bromochloromethane	4.52	49	166209	47.643	ug/l	98
29) Tetrahydrofuran	4.61	42	500984	251.586	ug/l	98
30) Chloroform	4.65	83	352540	45.728	ug/l	100
31) Cyclohexane	4.97	56	254310	45.831	ug/l	99
32) 1,1,1-Trichloroethane	4.89	97	290505	47.130	ug/l	98
36) 1,1-Dichloropropene	5.12	75	232056	46.707	ug/l	99
37) Ethyl Acetate	4.36	43	281068	47.848	ug/l	99
38) Carbon Tetrachloride	5.11	117	245226	46.227	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.40	83	254485	47.915	ug/l	98
40) Benzene	5.37	78	758728	47.327	ug/l	99
41) Methacrylonitrile	4.52	41	159695	51.038	ug/l	98
42) 1,2-Dichloroethane	5.38	62	256574	46.096	ug/l	100
43) Isopropyl Acetate	5.53	43	450154	49.124	ug/l	99
44) Trichloroethene	6.17	130	215226	48.515	ug/l	100
45) 1,2-Dichloropropane	6.41	63	223035	47.589	ug/l	98
46) Dibromomethane	6.54	93	138845	47.196	ug/l	98
47) Bromodichloromethane	6.74	83	284728	47.019	ug/l	98
48) Methyl methacrylate	6.60	41	213536	49.062	ug/l	99
49) 1,4-Dioxane	6.59	88	106093	1116.304	ug/l	98
51) 4-Methyl-2-Pentanone	7.44	43	1552596	244.772	ug/l	99
52) Toluene	7.62	92	489221	48.646	ug/l	99
53) t-1,3-Dichloropropene	7.86	75	298139	47.494	ug/l	99
54) cis-1,3-Dichloropropene	7.25	75	336270	48.808	ug/l	100
55) 1,1,2-Trichloroethane	8.05	97	216205	47.346	ug/l	98
56) Ethyl methacrylate	8.00	69	327503	47.378	ug/l	99
57) 1,3-Dichloropropane	8.22	76	356222	47.906	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.11	63	537086	230.227	ug/l	100
59) 2-Hexanone	8.34	43	1171331	247.190	ug/l	98
60) Dibromochloromethane	8.46	129	239400	48.877	ug/l	98
61) 1,2-Dibromoethane	8.57	107	216725	48.489	ug/l	100
64) Tetrachloroethene	8.21	164	192105	49.036	ug/l	96
65) Chlorobenzene	9.10	112	571529	49.887	ug/l	99
66) 1,1,1,2-Tetrachloroethane	9.19	131	210776	48.208	ug/l	99
67) Ethyl Benzene	9.23	91	960826	51.293	ug/l	99
68) m/p-Xylenes	9.35	106	736890	104.467	ug/l	100
69) o-Xylene	9.76	106	362856	52.601	ug/l	100
70) Styrene	9.77	104	653775	54.055	ug/l	99
71) Bromoform	9.94	173	187234	49.412	ug/l #	99
73) Isopropylbenzene	10.14	105	998647	52.292	ug/l	99
74) N-amyl acetate	9.99	43	417145	54.265	ug/l	99
75) 1,1,2,2-Tetrachloroethane	10.44	83	372094	48.135	ug/l	100
76) 1,2,3-Trichloropropane	10.47	75	401032	62.606	ug/l	84
77) Bromobenzene	10.43	156	271236	50.795	ug/l	97
78) n-propylbenzene	10.57	91	1144942	51.912	ug/l	99
79) 2-Chlorotoluene	10.64	91	686991	51.049	ug/l	99
80) 1,3,5-Trimethylbenzene	10.75	105	854447	53.497	ug/l	100
81) trans-1,4-Dichloro-2-buten	10.47	75	401032	210.541	ug/l #	100
82) 4-Chlorotoluene	10.75	91	797757	51.512	ug/l	99
83) tert-Butylbenzene	11.08	119	849825	53.187	ug/l	99
84) 1,2,4-Trimethylbenzene	11.13	105	866529	53.897	ug/l	100
85) sec-Butylbenzene	11.30	105	1002825	53.163	ug/l	99
86) p-Isopropyltoluene	11.45	119	929833	53.407	ug/l	99
87) 1,3-Dichlorobenzene	11.40	146	494404	50.739	ug/l	99
88) 1,4-Dichlorobenzene	11.49	146	497464	48.947	ug/l	100
89) n-Butylbenzene	11.87	91	809259	53.487	ug/l	100
90) Hexachloroethane	12.12	117	132873	47.702	ug/l	95
91) 1,2-Dichlorobenzene	11.86	146	482398	50.374	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	12.64	75	73957	52.065	ug/l	94

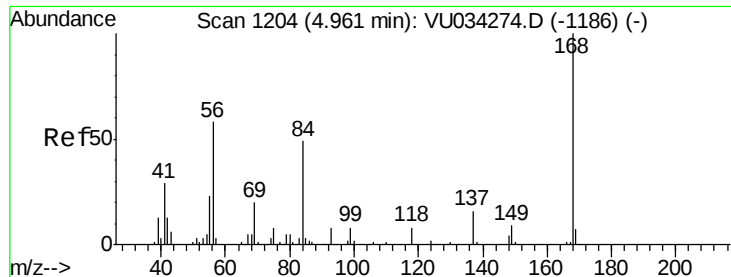
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.48	180	341845	49.274	ug/l	99
94) Hexachlorobutadiene	13.67	225	156662	46.768	ug/l	99
95) Naphthalene	13.72	128	996525	50.876	ug/l	99
96) 1,2,3-Trichlorobenzene	13.97	180	337544	50.300	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.96 min Scan# 1204

Delta R.T. 0.00 min

Lab File: VU034346.D

Acq: 06 Sep 2019 21:36

Instrument :

MSVOA_U

ClientSampleId :

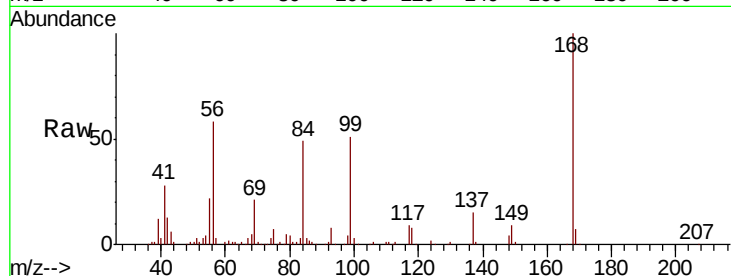
VSTDCCC050

Tgt Ion:168 Resp: 313098

Ion Ratio Lower Upper

168 100

99 50.2 41.6 62.4



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

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

4.96

150000

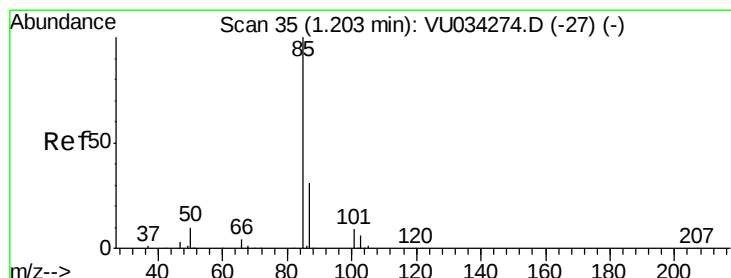
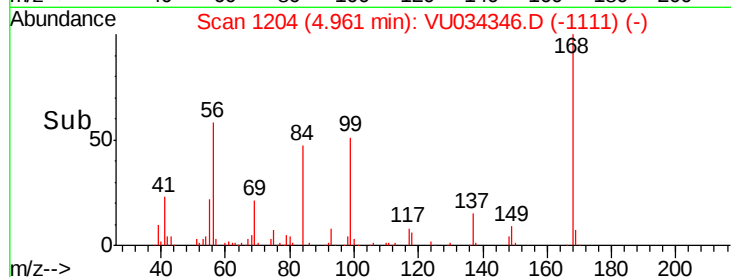
100000

50000

0

4.90 5.00 5.10

Time-->



#2

Dichlorodifluoromethane

Concen: 43.167 ug/l

RT: 1.20 min Scan# 35

Delta R.T. 0.00 min

Lab File: VU034346.D

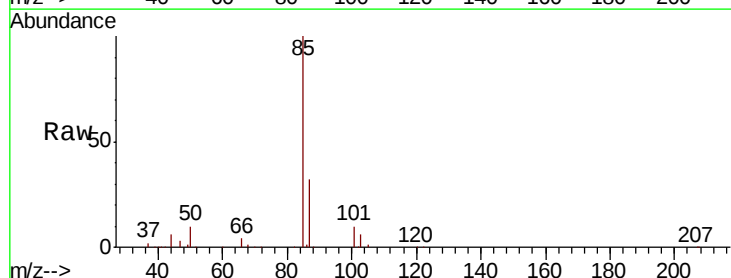
Acq: 06 Sep 2019 21:36

Tgt Ion: 85 Resp: 141352

Ion Ratio Lower Upper

85 100

87 32.1 15.7 47.0



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

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

1.20

150000

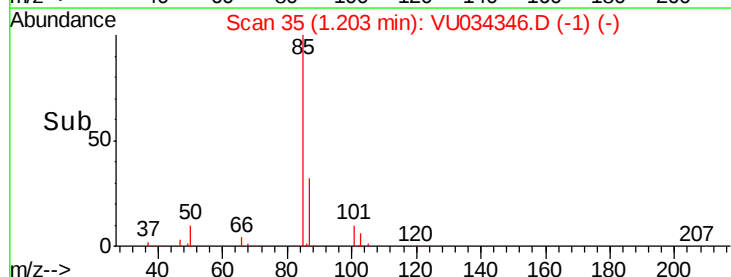
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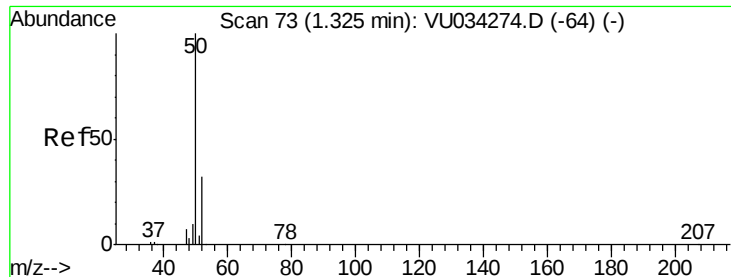
50000

0

1.15 1.20 1.25

Time-->





#3

Chloromethane

Concen: 46.549 ug/l

RT: 1.32 min Scan# 73

Delta R.T. 0.00 min

Lab File: VU034346.D

Acq: 06 Sep 2019 21:36

Instrument :

MSVOA_U

ClientSampleId :

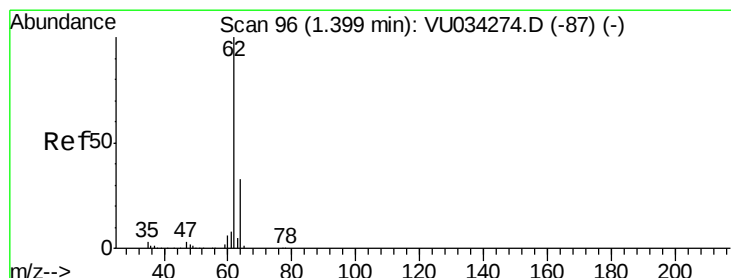
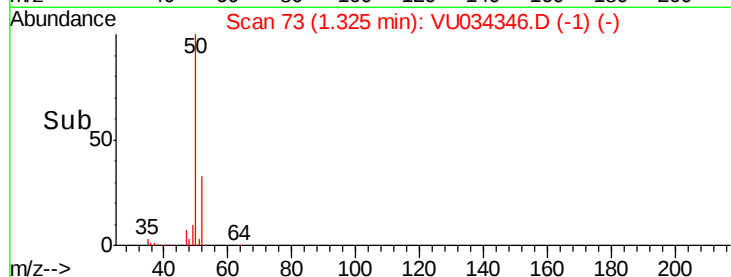
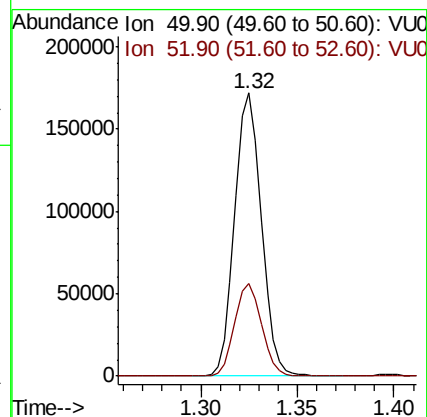
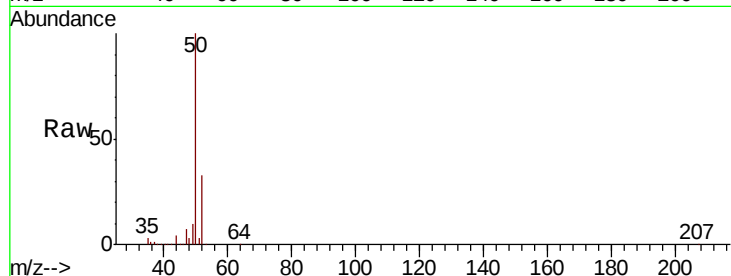
VSTDCCC050

Tgt Ion: 50 Resp: 164701

Ion Ratio Lower Upper

50 100

52 32.7 25.8 38.6



#4

Vinyl Chloride

Concen: 44.149 ug/l

RT: 1.40 min Scan# 96

Delta R.T. 0.00 min

Lab File: VU034346.D

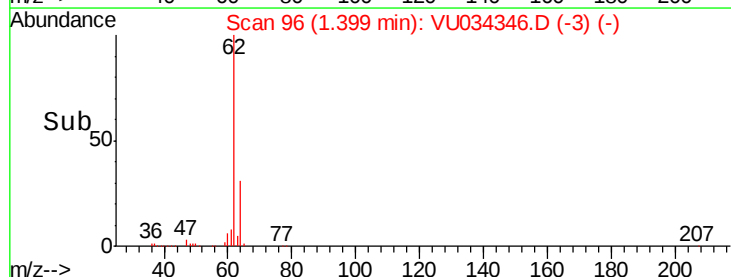
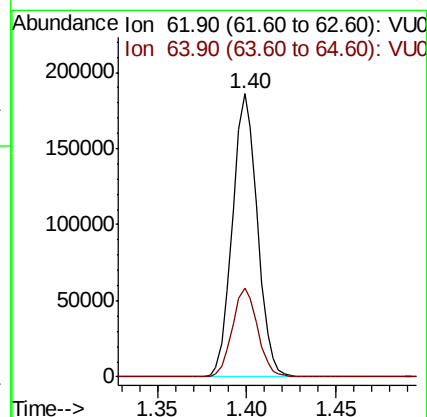
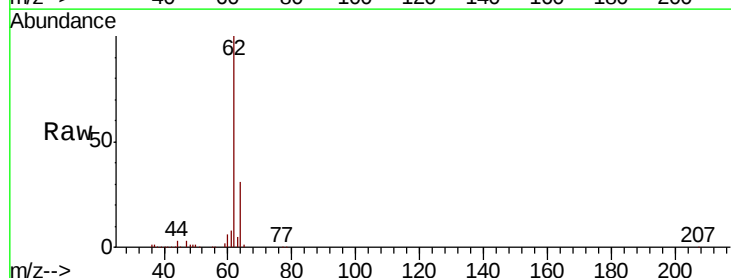
Acq: 06 Sep 2019 21:36

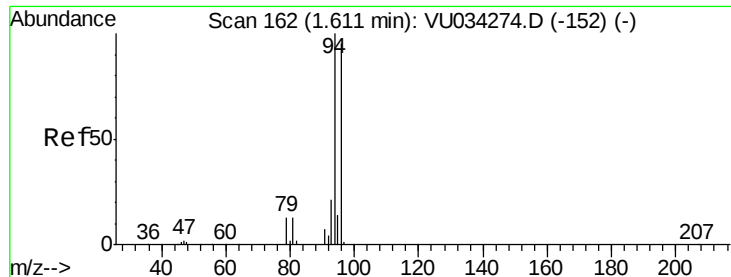
Tgt Ion: 62 Resp: 180148

Ion Ratio Lower Upper

62 100

64 31.5 26.2 39.4





#5

Bromomethane

Concen: 54.942 ug/l

RT: 1.61 min Scan# 162

Delta R.T. 0.00 min

Lab File: VU034346.D

Acq: 06 Sep 2019 21:36

Instrument :

MSVOA_U

ClientSampleId :

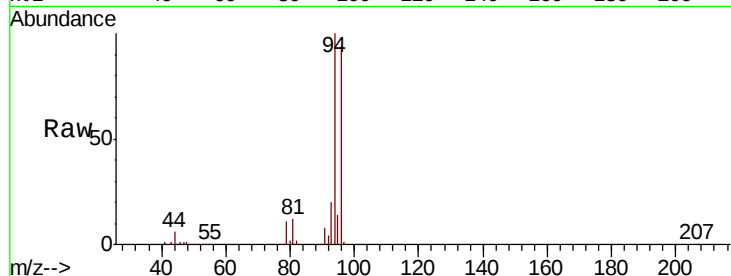
VSTDCCC050

Tgt Ion: 94 Resp: 112911

Ion Ratio Lower Upper

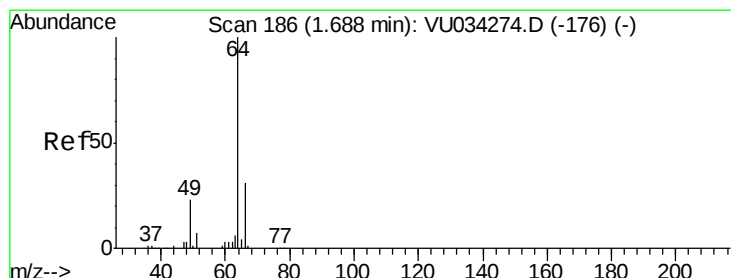
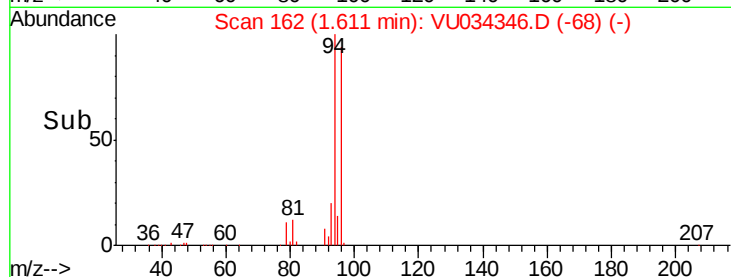
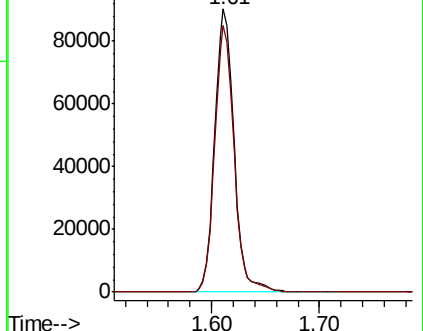
94 100

96 94.1 75.7 113.5



Abundance Ion 93.90 (93.60 to 94.60): VU034346.D (-152) (-)

Ion 95.90 (95.60 to 96.60): VU034346.D (-152) (-)



#6

Chloroethane

Concen: 48.355 ug/l

RT: 1.69 min Scan# 186

Delta R.T. 0.00 min

Lab File: VU034346.D

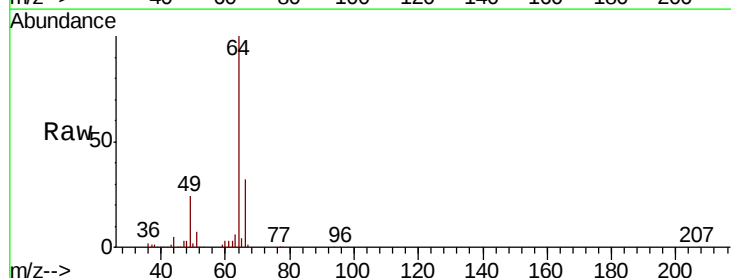
Acq: 06 Sep 2019 21:36

Tgt Ion: 64 Resp: 114761

Ion Ratio Lower Upper

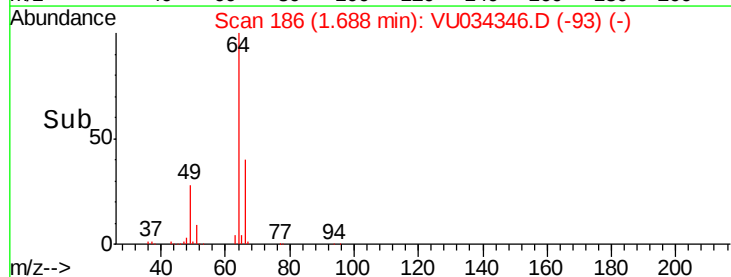
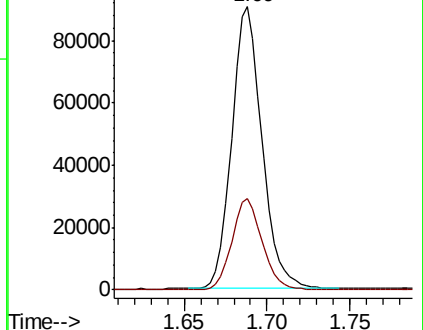
64 100

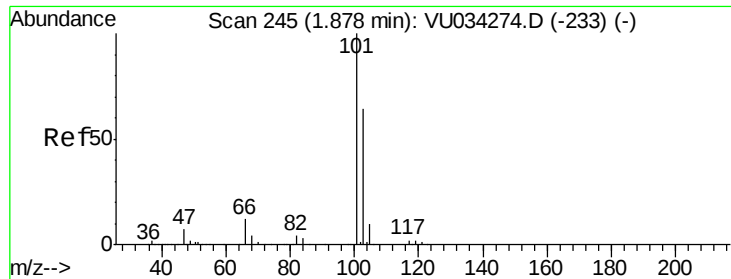
66 32.4 25.0 37.6



Abundance Ion 63.90 (63.60 to 64.60): VU034346.D (-176) (-)

Ion 65.90 (65.60 to 66.60): VU034346.D (-176) (-)





#7

Trichlorofluoromethane

Concen: 45.508 ug/l

RT: 1.87 min Scan# 244

Delta R.T. -0.00 min

Lab File: VU034346.D

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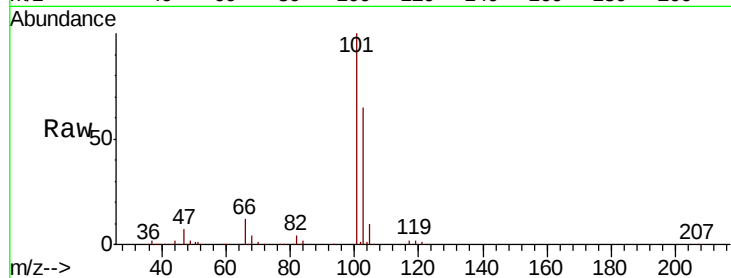
VSTDCCC050

Tgt Ion:101 Resp: 248982

Ion Ratio Lower Upper

101 100

103 64.8 51.0 76.6



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 102.80 (102.50 to 103.50): V

1.87

200000

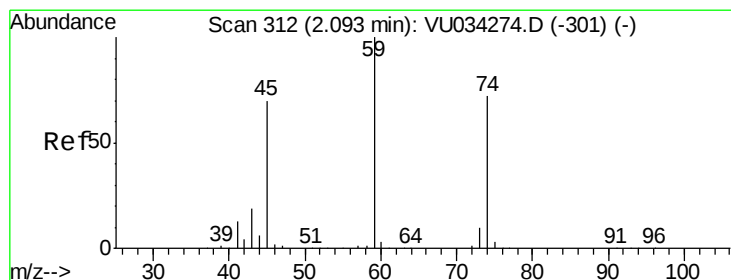
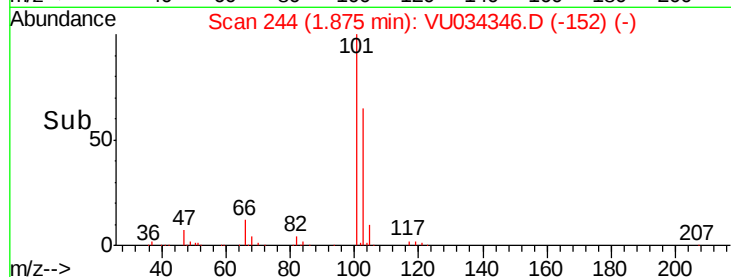
150000

100000

50000

0

Time-->



#8

Diethyl Ether

Concen: 47.986 ug/l

RT: 2.09 min Scan# 312

Delta R.T. 0.00 min

Lab File: VU034346.D

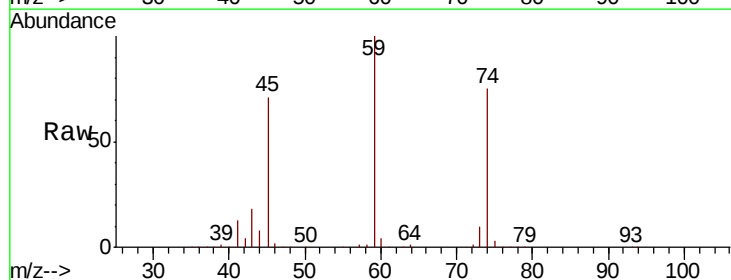
Acq: 06 Sep 2019 21:36

Tgt Ion: 74 Resp: 115483

Ion Ratio Lower Upper

74 100

45 93.2 48.2 144.6



Abundance Ion 74.00 (73.70 to 74.70): VU0

Ion 45.00 (44.70 to 45.70): VU0

2.09

100000

80000

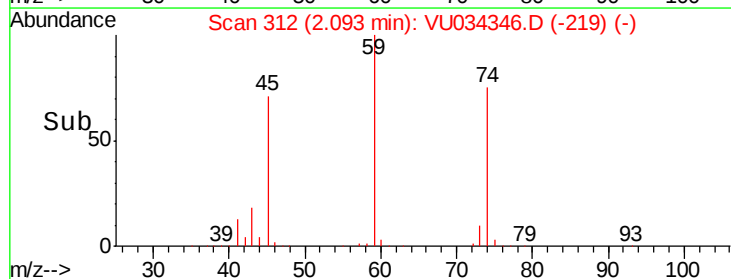
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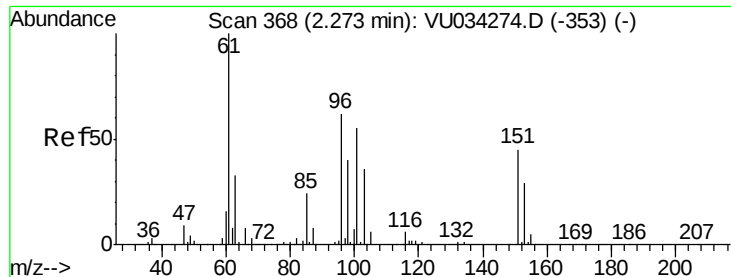
40000

20000

0

Time-->





#9

1,1,2-Trichlorotrifluoroethane

Concen: 45.660 ug/l

RT: 2.27 min Scan# 368

Delta R.T. 0.00 min

Lab File: VU034346.D

Acq: 06 Sep 2019 21:36

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

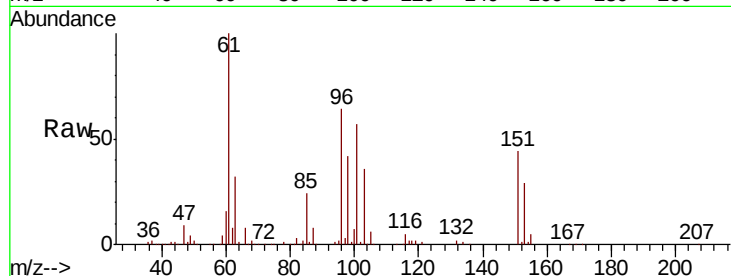
Tgt Ion:101 Resp: 165461

Ion Ratio Lower Upper

101 100

85 42.3 34.4 51.6

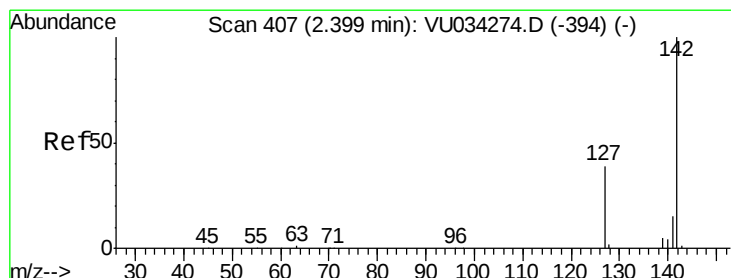
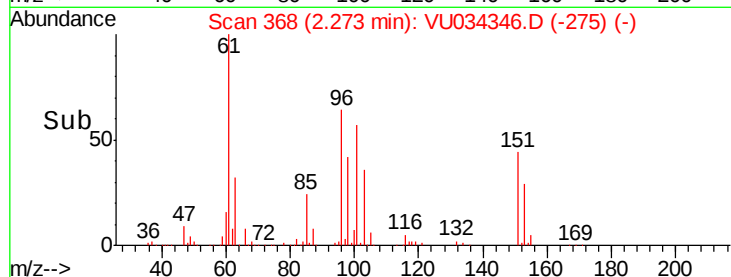
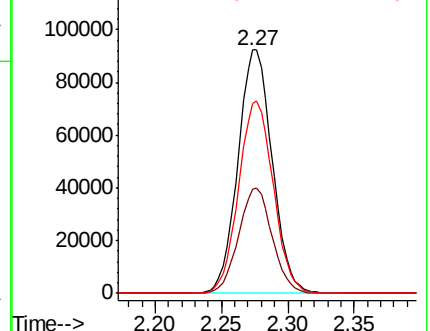
151 79.9 64.4 96.6



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: 48.084 ug/l

RT: 2.40 min Scan# 407

Delta R.T. 0.00 min

Lab File: VU034346.D

Acq: 06 Sep 2019 21:36

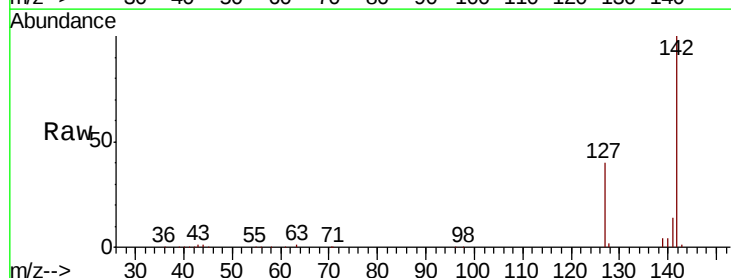
Tgt Ion:142 Resp: 158885

Ion Ratio Lower Upper

142 100

127 39.4 32.1 48.1

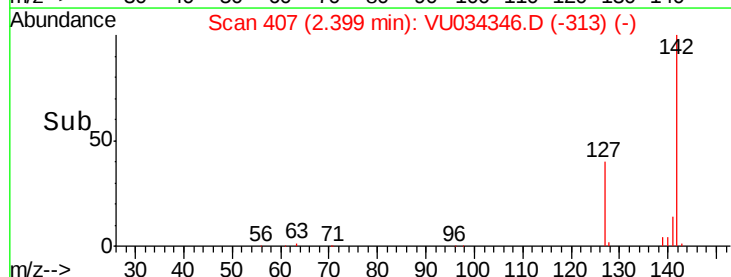
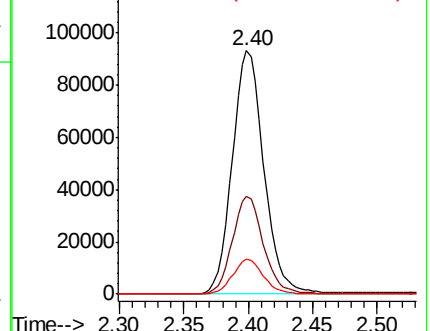
141 14.0 11.5 17.3

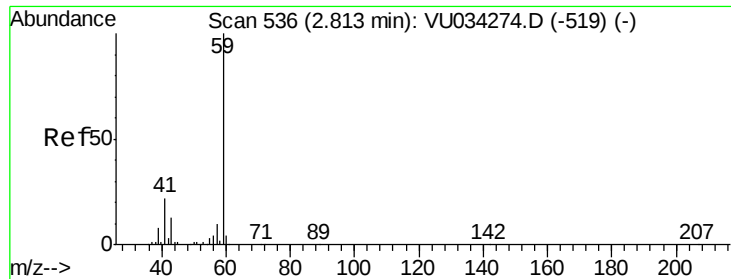


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

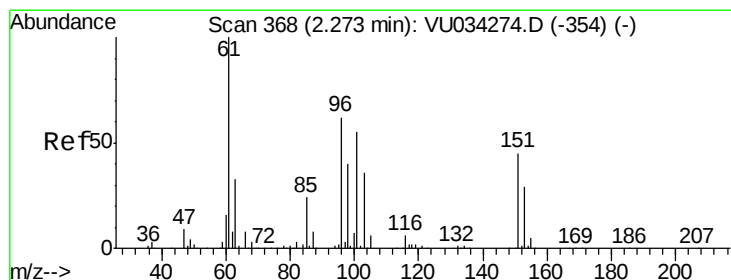
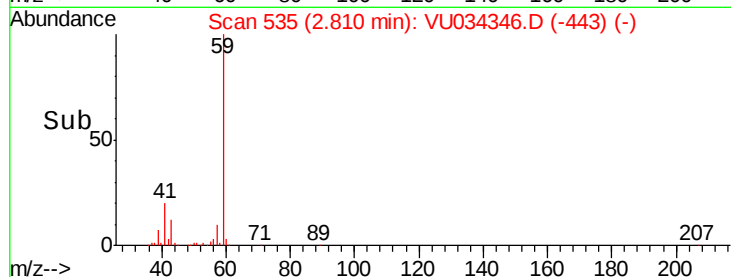
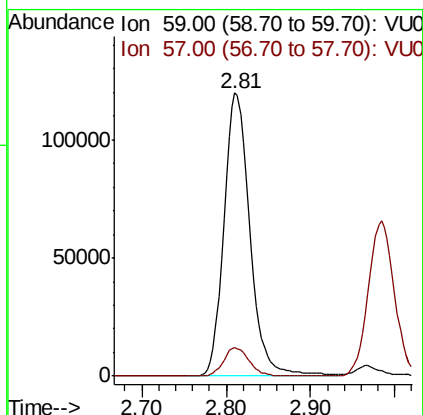
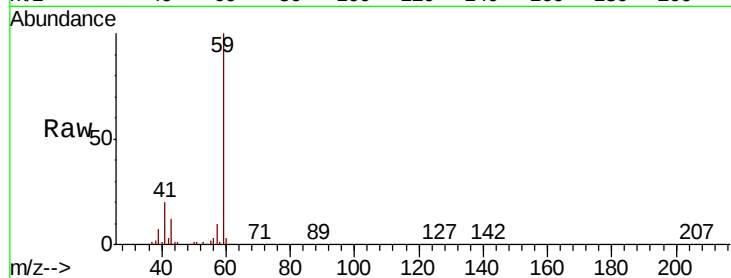




#11
Tert butyl alcohol
Concen: 256.410 ug/l
RT: 2.81 min Scan# 535
Delta R.T. -0.00 min
Lab File: VU034346.D
Acq: 06 Sep 2019 21:36

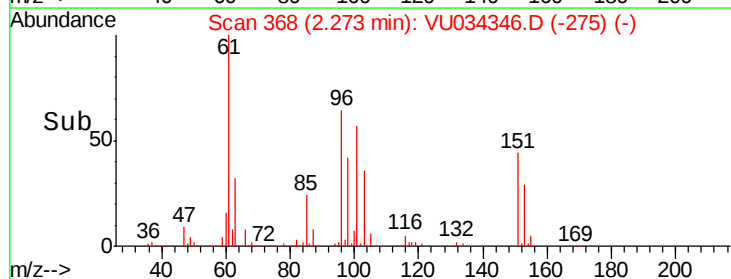
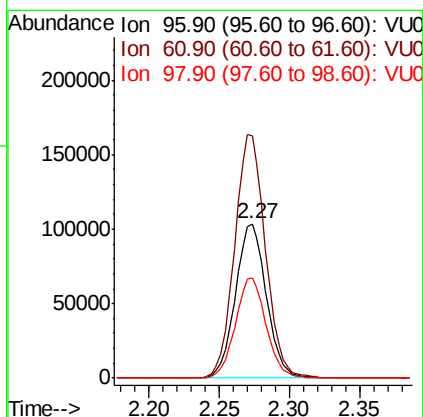
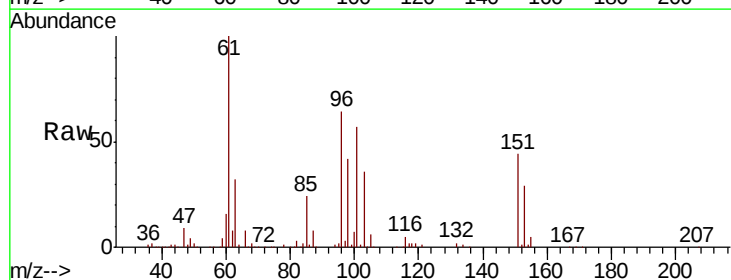
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

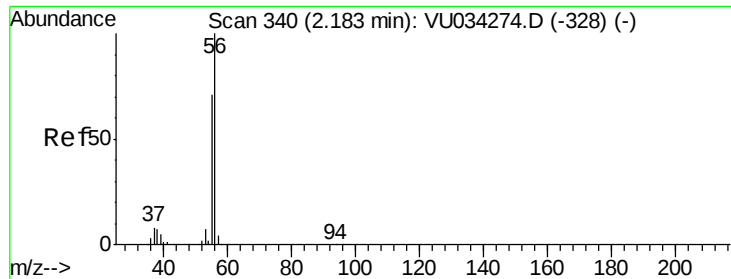
Tgt Ion: 59 Resp: 256618
Ion Ratio Lower Upper
59 100
57 9.9 7.9 11.9



#12
1,1-Dichloroethene
Concen: 46.822 ug/l
RT: 2.27 min Scan# 368
Delta R.T. 0.00 min
Lab File: VU034346.D
Acq: 06 Sep 2019 21:36

Tgt Ion: 96 Resp: 159501
Ion Ratio Lower Upper
96 100
61 156.6 130.0 195.0
98 65.1 52.2 78.4





#13

Acrolein

Concen: 154.463 ug/l

RT: 2.18 min Scan# 340

Delta R.T. 0.00 min

Lab File: VU034346.D

Acq: 06 Sep 2019 21:36

Instrument :

MSVOA_U

ClientSampleId :

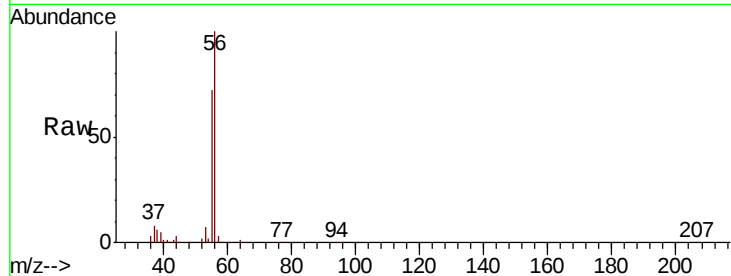
VSTDCCC050

Tgt Ion: 56 Resp: 129930

Ion Ratio Lower Upper

56 100

55 72.3 57.4 86.2



Abundance Ion 56.00 (55.70 to 56.70): VU034346.D (-247) (-)

Ion 55.00 (54.70 to 55.70): VU034346.D (-247) (-)

2.18

100000

80000

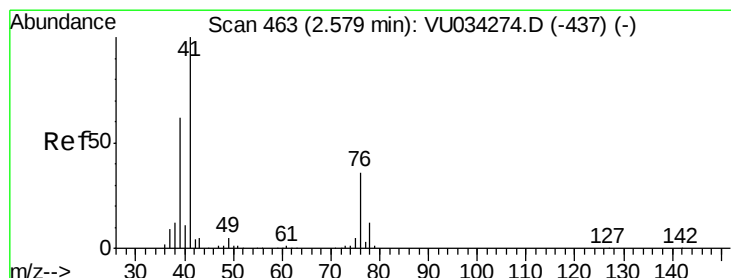
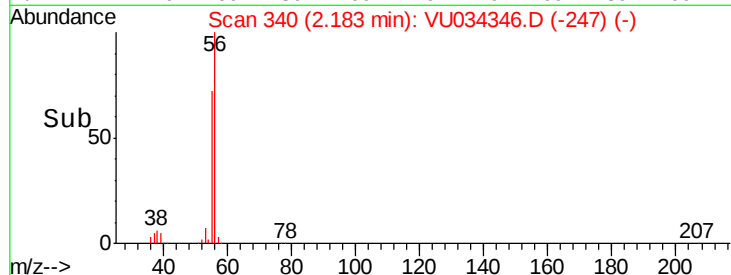
60000

40000

20000

0

Time--> 2.10 2.15 2.20 2.25



#14

Allyl chloride

Concen: 40.051 ug/l

RT: 2.58 min Scan# 463

Delta R.T. 0.00 min

Lab File: VU034346.D

Acq: 06 Sep 2019 21:36

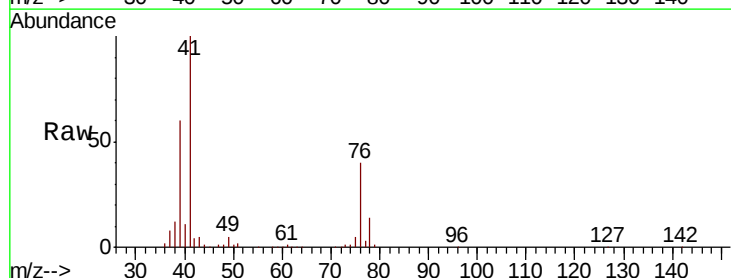
Tgt Ion: 41 Resp: 260835

Ion Ratio Lower Upper

41 100

39 60.9 43.5 65.3

76 38.6 27.0 40.6



Abundance Ion 41.00 (40.70 to 41.70): VU034346.D (-370) (-)

Ion 39.00 (38.70 to 39.70): VU034346.D (-370) (-)

Ion 75.90 (75.60 to 76.60): VU034346.D (-370) (-)

2.58

200000

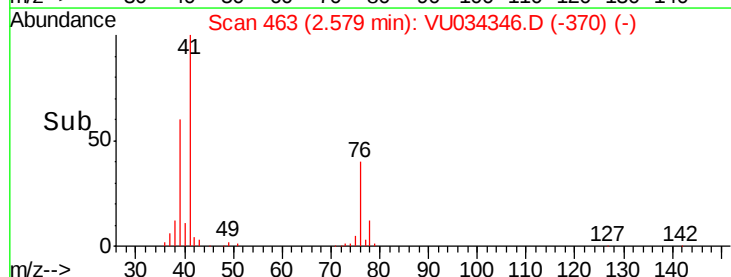
150000

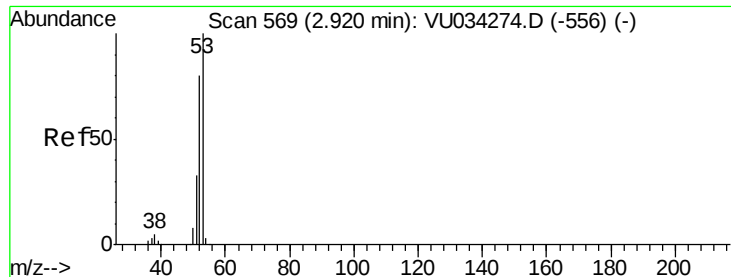
100000

50000

0

Time--> 2.50 2.55 2.60 2.65





#15

Acrylonitrile

Concen: 248.794 ug/l

RT: 2.92 min Scan# 569

Delta R.T. 0.00 min

Lab File: VU034346.D

Acq: 06 Sep 2019 21:36

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

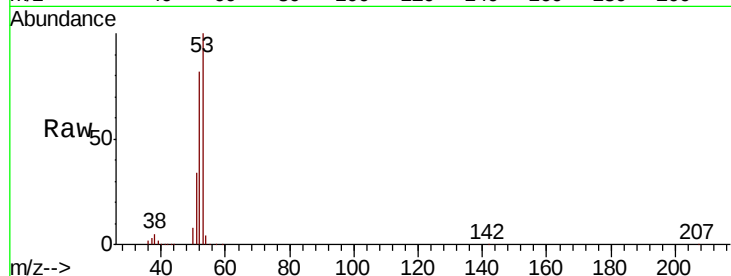
Tgt Ion: 53 Resp: 620058

Ion Ratio Lower Upper

53 100

52 80.6 64.1 96.1

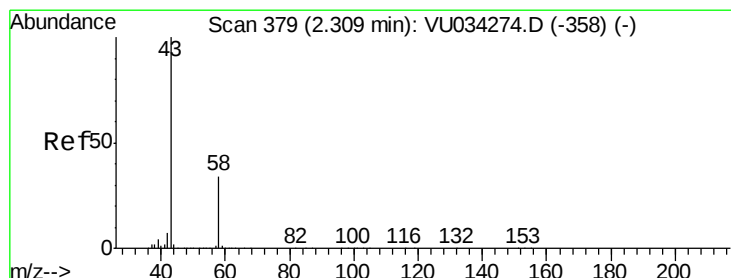
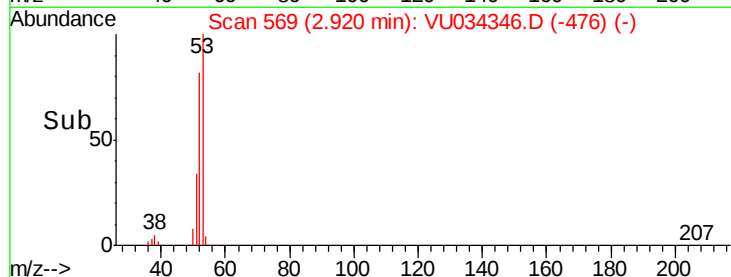
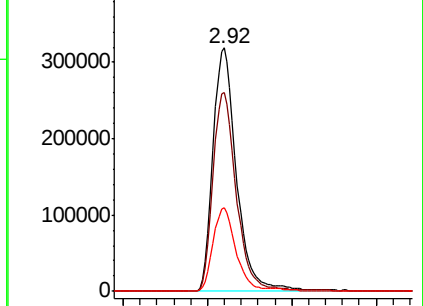
51 34.3 27.4 41.0



Abundance Ion 53.00 (52.70 to 53.70): VU034346.D (-556) (-)

Ion 52.00 (51.70 to 52.70): VU034346.D (-556) (-)

Ion 51.00 (50.70 to 51.70): VU034346.D (-556) (-)



#16

Acetone

Concen: 197.943 ug/l

RT: 2.31 min Scan# 379

Delta R.T. 0.00 min

Lab File: VU034346.D

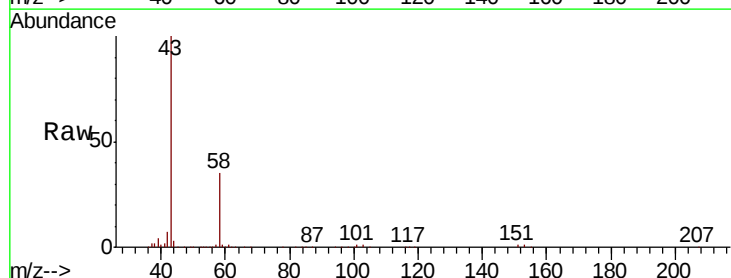
Acq: 06 Sep 2019 21:36

Tgt Ion: 43 Resp: 485258

Ion Ratio Lower Upper

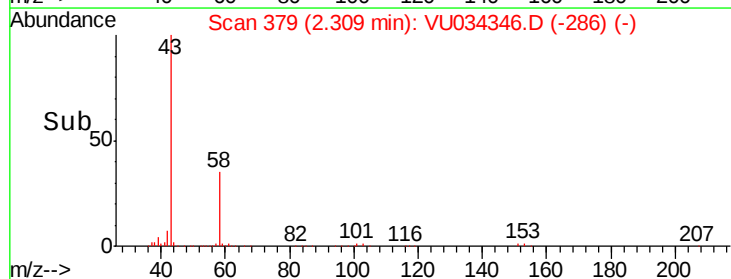
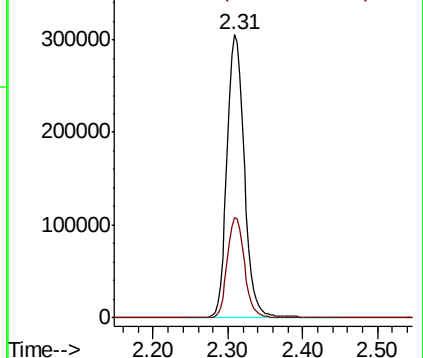
43 100

58 35.3 27.6 41.4



Abundance Ion 43.00 (42.70 to 43.70): VU034346.D (-286) (-)

Ion 58.00 (57.70 to 58.70): VU034346.D (-286) (-)

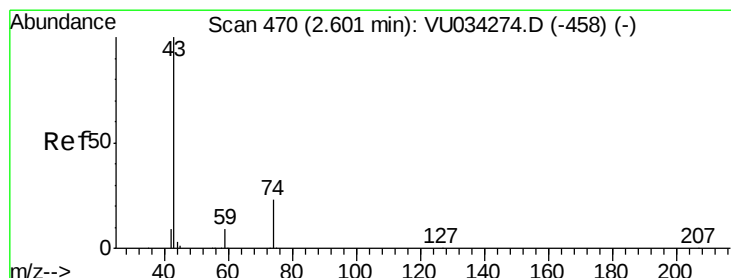
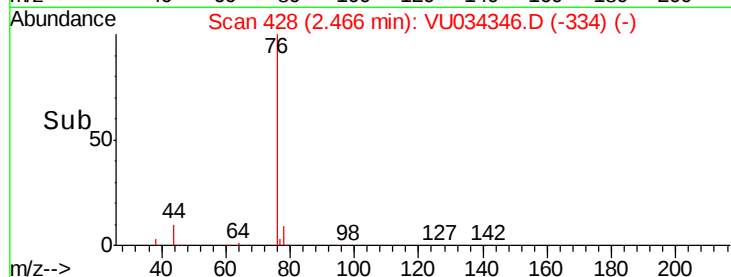
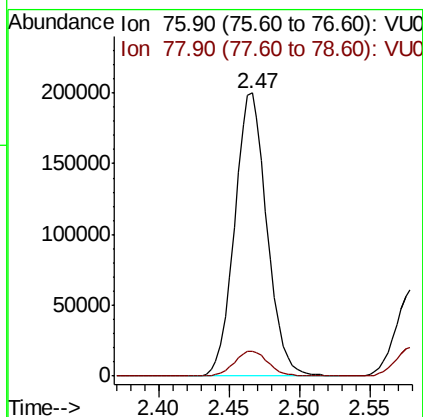
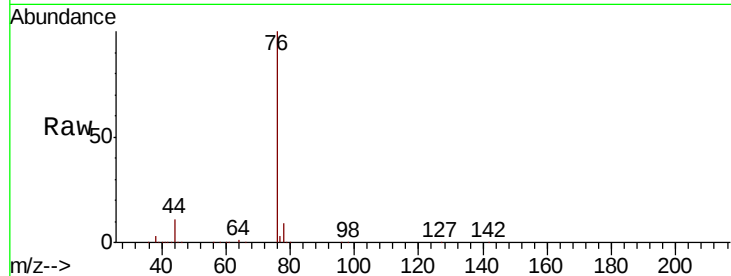




#17
Carbon Disulfide
Concen: 41.813 ug/l
RT: 2.47 min Scan# 428
Delta R.T. 0.00 min
Lab File: VU034346.D
Acq: 06 Sep 2019 21:36

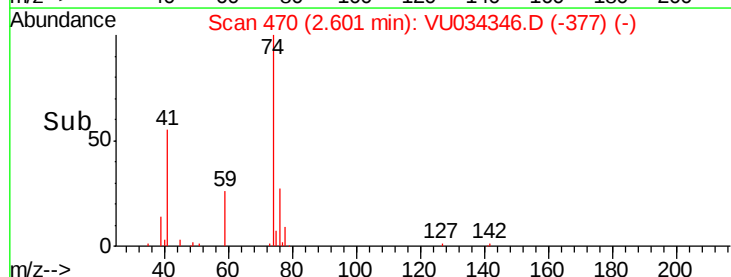
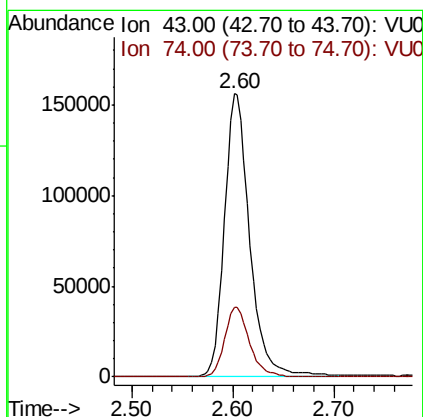
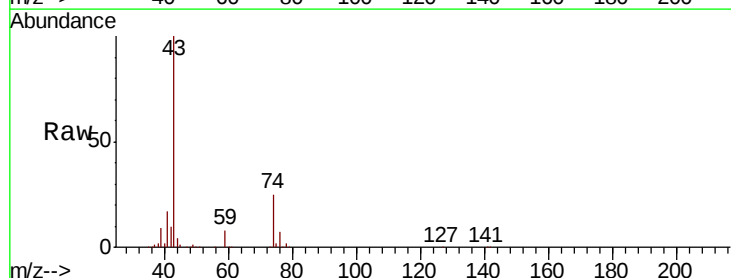
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

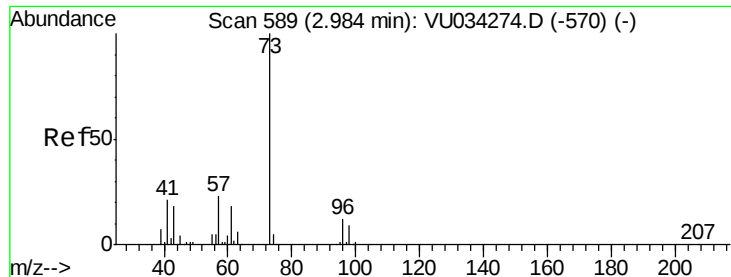
Tgt Ion: 76 Resp: 320131
Ion Ratio Lower Upper
76 100
78 9.0 7.2 10.8



#18
Methyl Acetate
Concen: 45.666 ug/l
RT: 2.60 min Scan# 470
Delta R.T. 0.00 min
Lab File: VU034346.D
Acq: 06 Sep 2019 21:36

Tgt Ion: 43 Resp: 272404
Ion Ratio Lower Upper
43 100
74 24.3 18.9 28.3



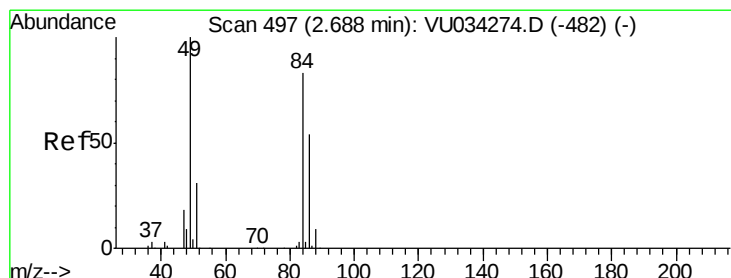
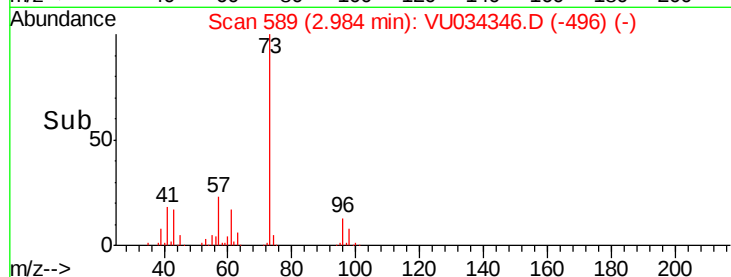
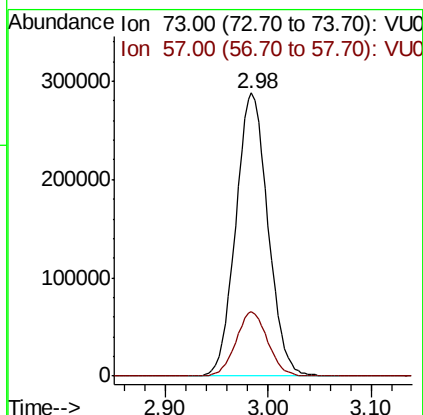
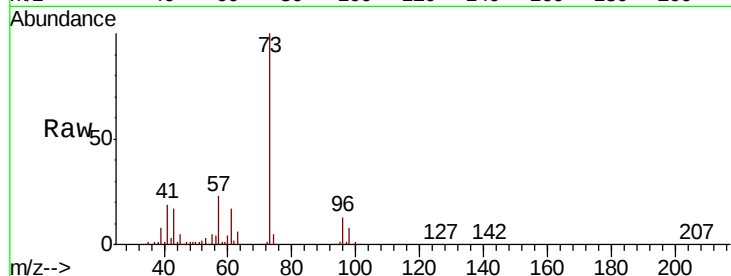


#19

Methyl tert-butyl Ether
 Concen: 50.343 ug/l
 RT: 2.98 min Scan# 589
 Delta R.T. 0.00 min
 Lab File: VU034346.D
 Acq: 06 Sep 2019 21:36

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

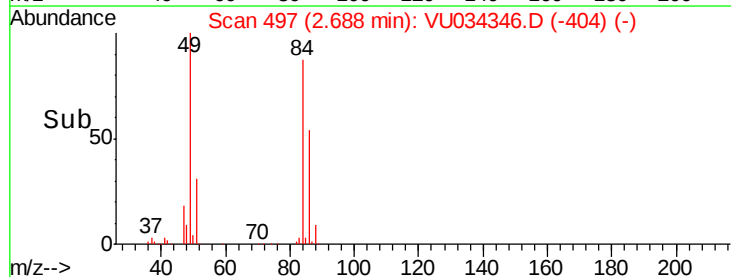
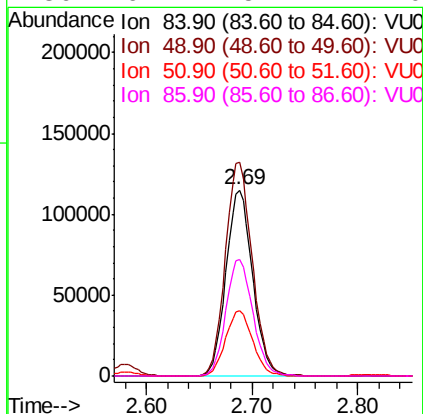
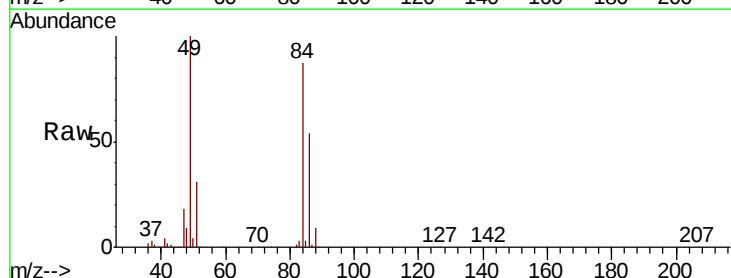
Tgt Ion: 73 Resp: 625090
 Ion Ratio Lower Upper
 73 100
 57 22.8 18.2 27.4

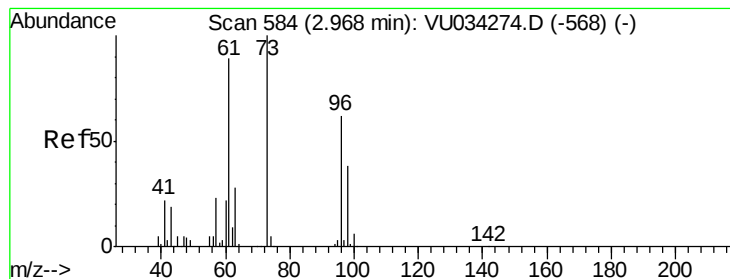


#20

Methylene Chloride
 Concen: 49.992 ug/l
 RT: 2.69 min Scan# 497
 Delta R.T. 0.00 min
 Lab File: VU034346.D
 Acq: 06 Sep 2019 21:36

Tgt Ion: 84 Resp: 200736
 Ion Ratio Lower Upper
 84 100
 49 114.9 96.0 144.0
 51 35.3 30.0 45.0
 86 62.4 51.4 77.0





#21

trans-1,2-Dichloroethene

Concen: 46.435 ug/l

RT: 2.97 min Scan# 584

Delta R.T. 0.00 min

Lab File: VU034346.D

Acq: 06 Sep 2019 21:36

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

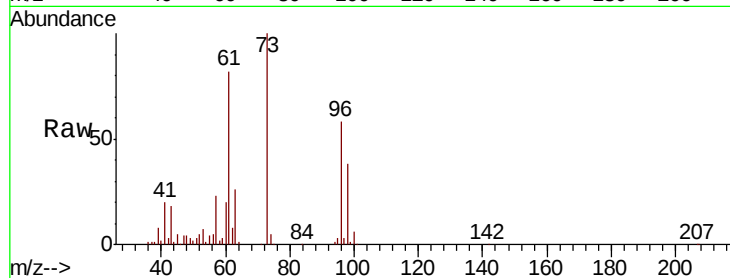
Tgt Ion: 96 Resp: 166694

Ion Ratio Lower Upper

96 100

61 142.1 114.8 172.2

98 65.4 49.8 74.8

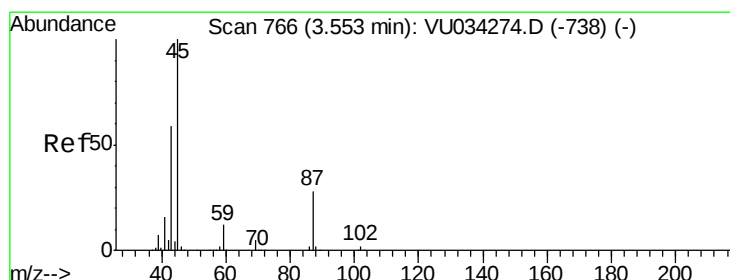
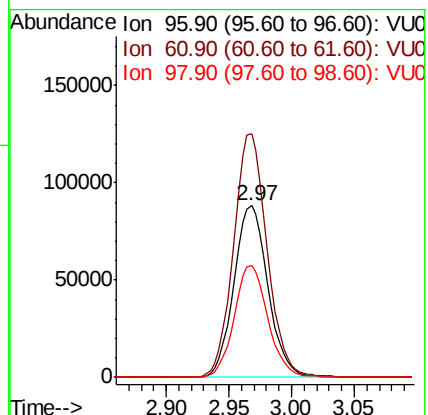
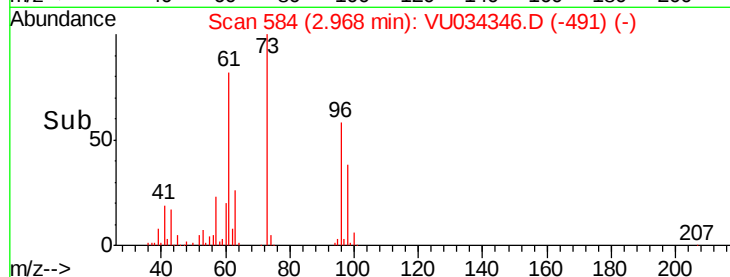


Abundance Ion 95.90 (95.60 to 96.60): VU034346.D (-491) (-)

Ion 60.90 (60.60 to 61.60): VU034346.D (-491) (-)

Ion 97.90 (97.60 to 98.60): VU034346.D (-491) (-)

Time-->



#22

Diisopropyl ether

Concen: 49.220 ug/l

RT: 3.55 min Scan# 766

Delta R.T. 0.00 min

Lab File: VU034346.D

Acq: 06 Sep 2019 21:36

Tgt Ion: 45 Resp: 625126

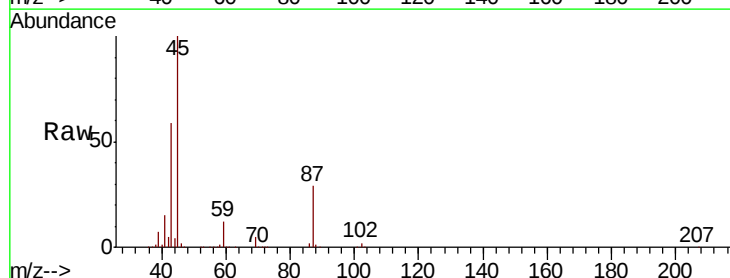
Ion Ratio Lower Upper

45 100

43 58.2 47.5 71.3

87 28.9 22.2 33.4

59 12.4 9.4 14.2



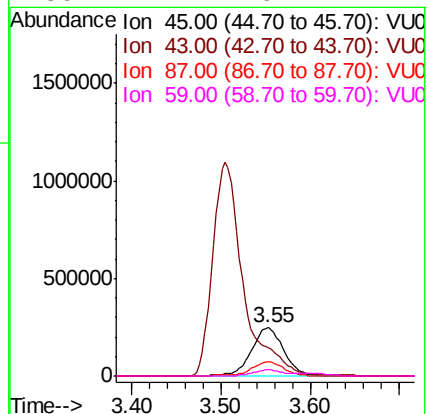
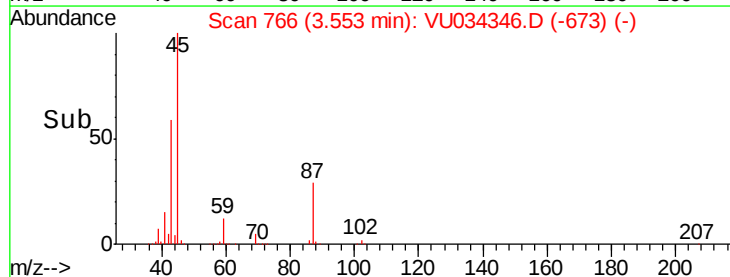
Abundance Ion 45.00 (44.70 to 45.70): VU034346.D (-673) (-)

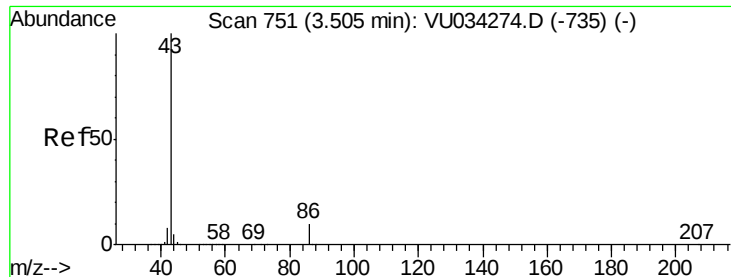
Ion 43.00 (42.70 to 43.70): VU034346.D (-673) (-)

Ion 87.00 (86.70 to 87.70): VU034346.D (-673) (-)

Ion 59.00 (58.70 to 59.70): VU034346.D (-673) (-)

Time-->





#23

Vinyl Acetate

Concen: 252.908 ug/l

RT: 3.50 min Scan# 751

Delta R.T. 0.00 min

Lab File: VU034346.D

Acq: 06 Sep 2019 21:36

Instrument :

MSVOA_U

ClientSampleId :

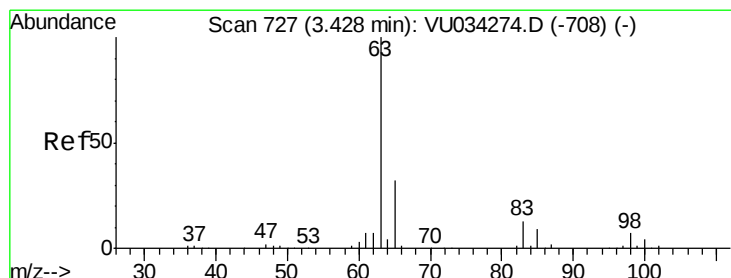
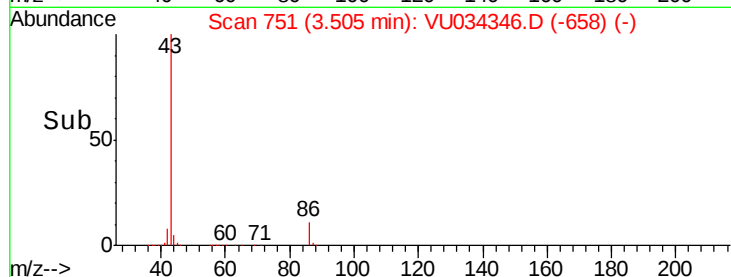
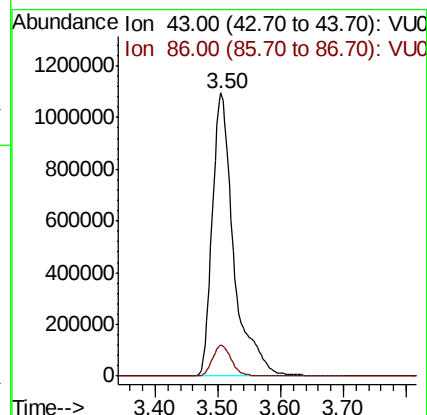
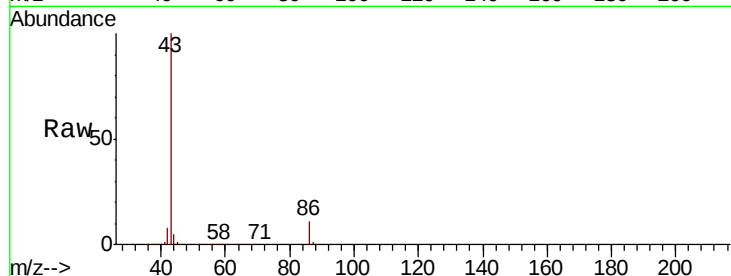
VSTDCCC050

Tgt Ion: 43 Resp: 2616426

Ion Ratio Lower Upper

43 100

86 10.9 8.3 12.5



#24

1,1-Dichloroethane

Concen: 46.545 ug/l

RT: 3.43 min Scan# 727

Delta R.T. 0.00 min

Lab File: VU034346.D

Acq: 06 Sep 2019 21:36

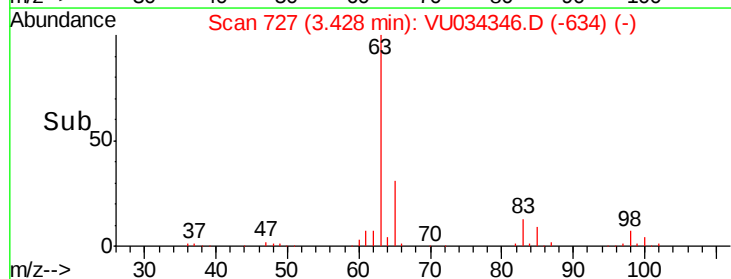
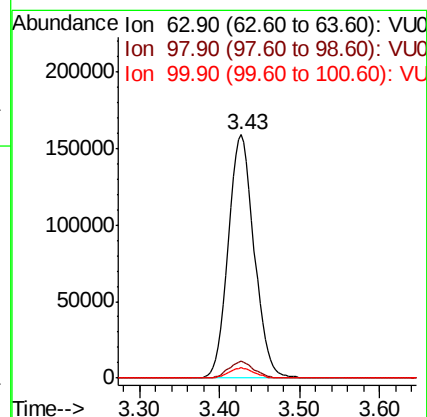
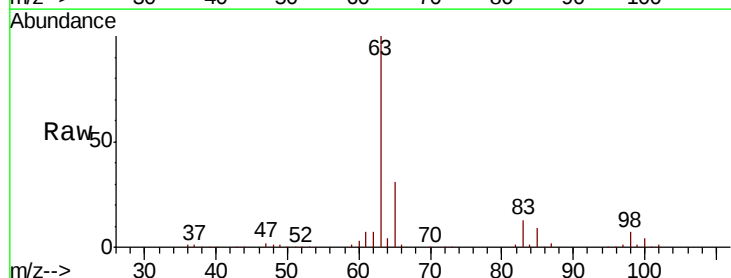
Tgt Ion: 63 Resp: 353030

Ion Ratio Lower Upper

63 100

98 6.8 3.5 10.4

100 4.1 2.1 6.5

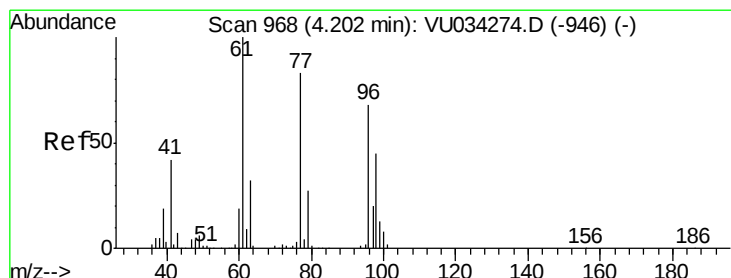
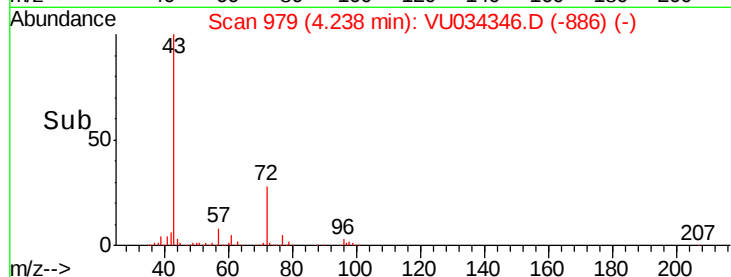
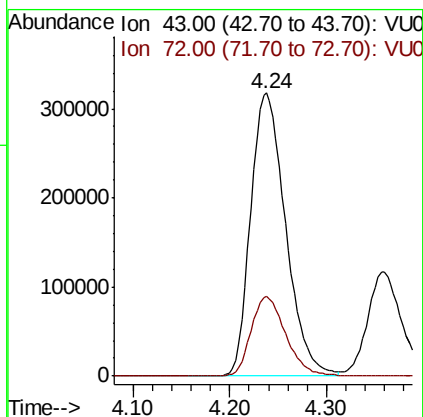
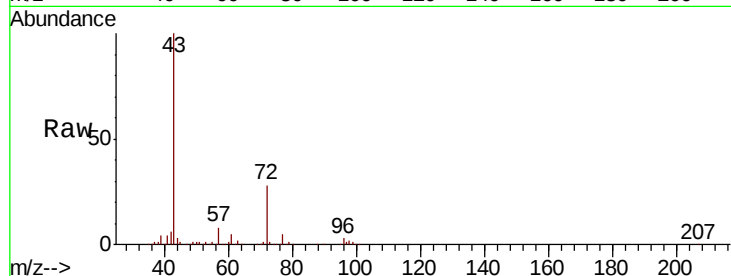




#25
2-Butanone
Concen: 242.450 ug/l
RT: 4.24 min Scan# 979
Delta R.T. 0.00 min
Lab File: VU034346.D
Acq: 06 Sep 2019 21:36

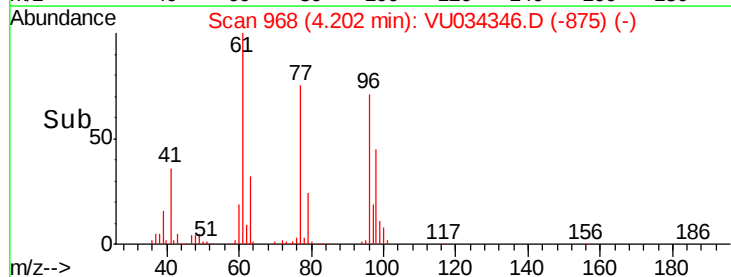
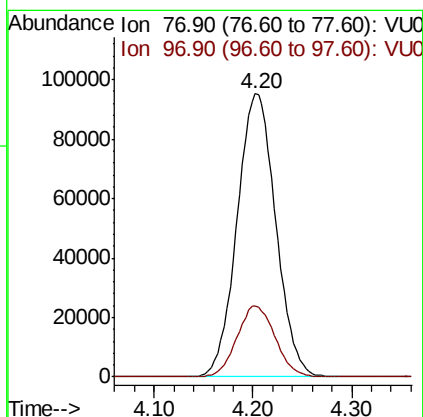
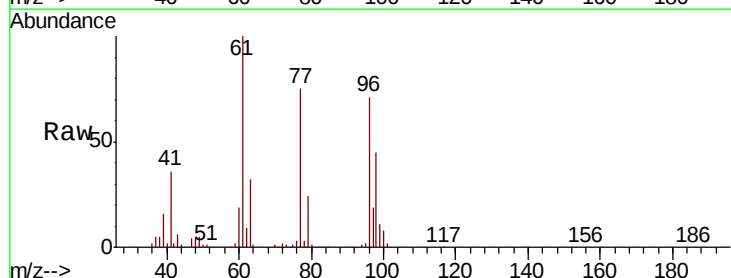
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

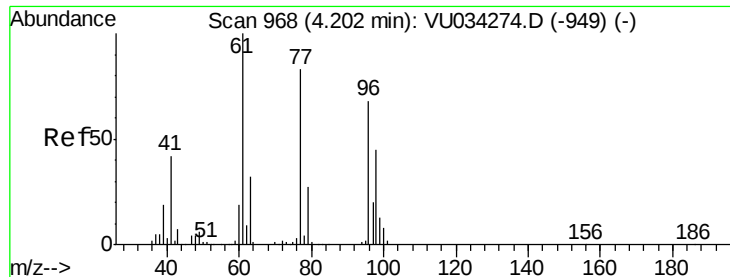
Tgt Ion: 43 Resp: 793405
Ion Ratio Lower Upper
43 100
72 28.3 21.8 32.6



#26
2,2-Dichloropropane
Concen: 42.402 ug/l
RT: 4.20 min Scan# 968
Delta R.T. 0.00 min
Lab File: VU034346.D
Acq: 06 Sep 2019 21:36

Tgt Ion: 77 Resp: 258660
Ion Ratio Lower Upper
77 100
97 24.7 11.8 35.3





#27

cis-1,2-Dichloroethene

Concen: 49.216 ug/l

RT: 4.20 min Scan# 968

Delta R.T. 0.00 min

Lab File: VU034346.D

Acq: 06 Sep 2019 21:36

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

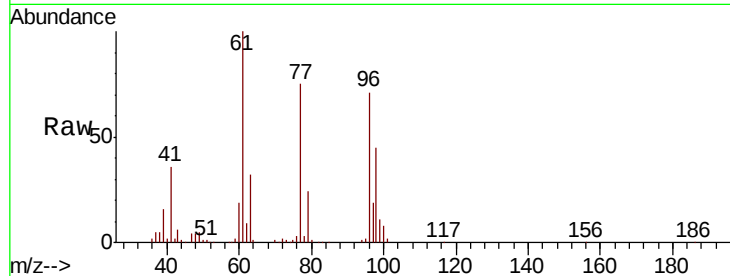
Tgt Ion: 96 Resp: 214576

Ion Ratio Lower Upper

96 100

61 143.6 0.0 297.4

98 64.6 0.0 130.0

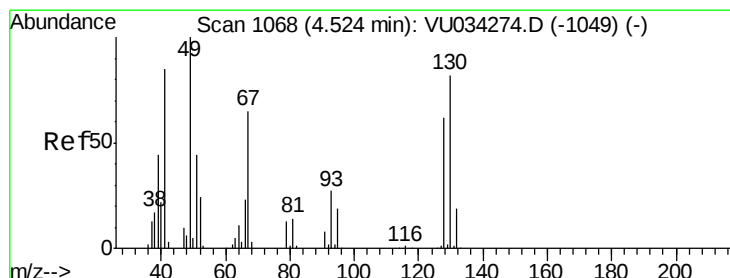
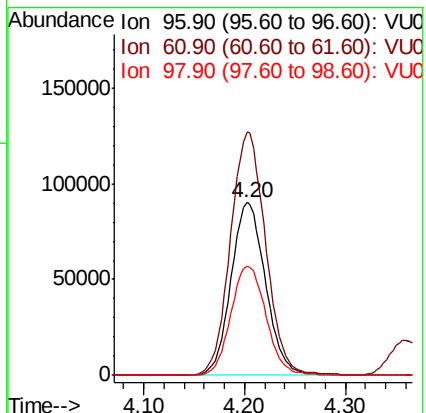
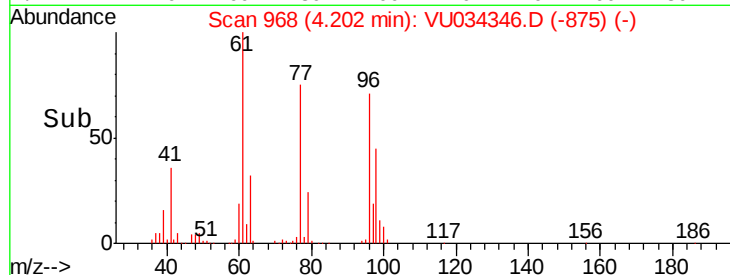


Abundance Ion 95.90 (95.60 to 96.60): VU034346.D (-949) (-)

Ion 60.90 (60.60 to 61.60): VU034346.D (-949) (-)

Ion 97.90 (97.60 to 98.60): VU034346.D (-949) (-)

Time-->



#28

Bromochloromethane

Concen: 47.643 ug/l

RT: 4.52 min Scan# 1068

Delta R.T. 0.00 min

Lab File: VU034346.D

Acq: 06 Sep 2019 21:36

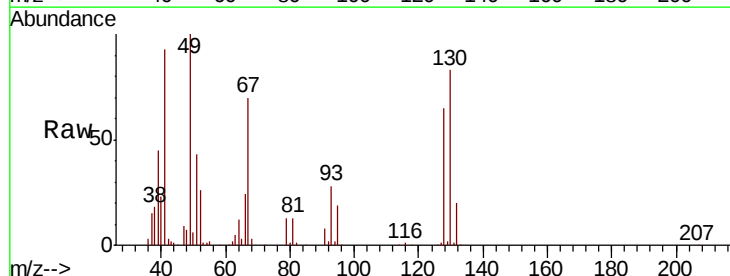
Tgt Ion: 49 Resp: 166209

Ion Ratio Lower Upper

49 100

129 1.7 0.0 3.8

130 83.2 65.2 97.8

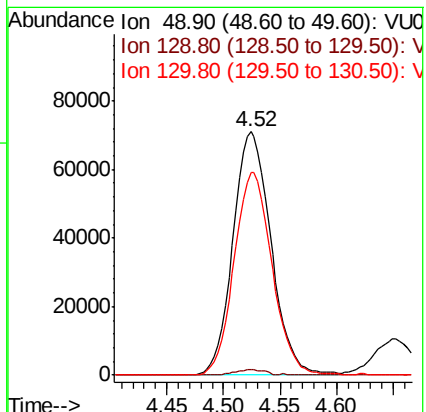
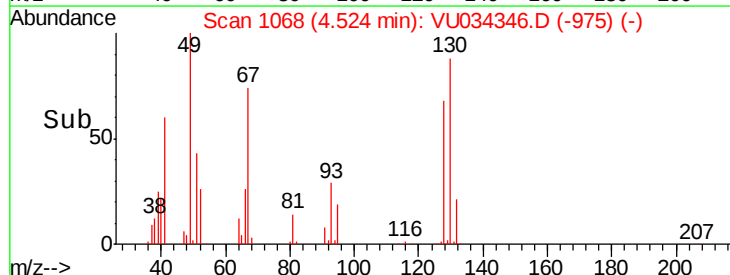


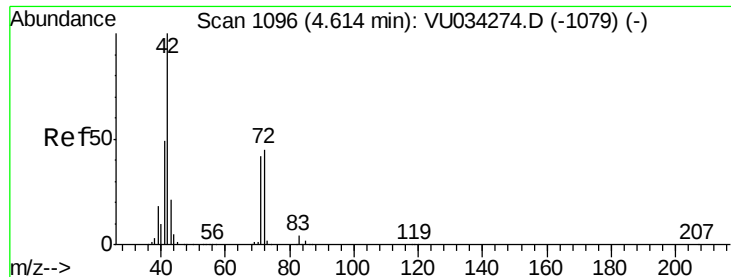
Abundance Ion 48.90 (48.60 to 49.60): VU034346.D (-1049) (-)

Ion 128.80 (128.50 to 129.50): VU034346.D (-1049) (-)

Ion 129.80 (129.50 to 130.50): VU034346.D (-1049) (-)

Time-->





#29

Tetrahydrofuran

Concen: 251.586 ug/l

RT: 4.61 min Scan# 1096

Delta R.T. 0.00 min

Lab File: VU034346.D

Acq: 06 Sep 2019 21:36

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

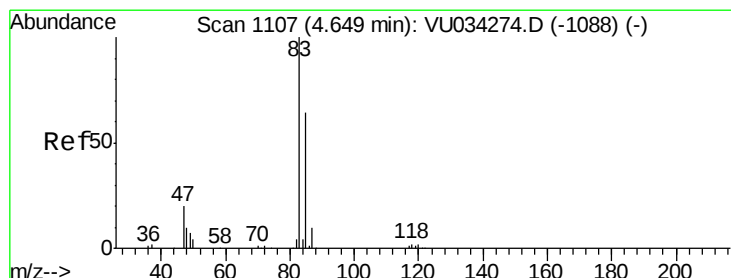
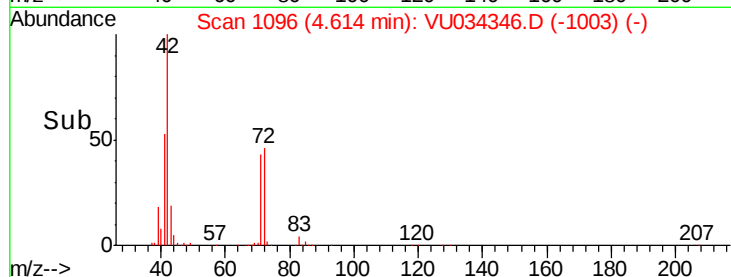
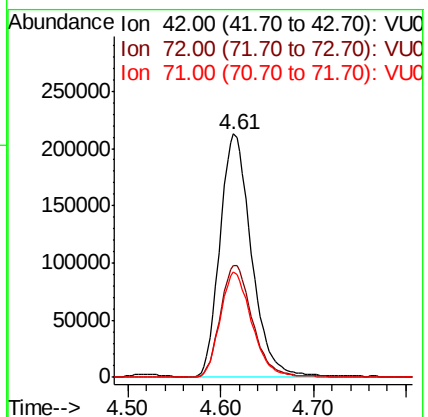
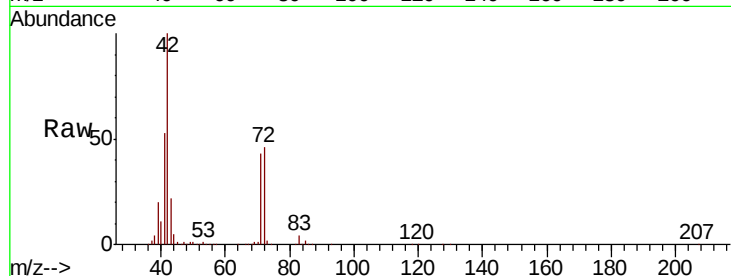
Tgt Ion: 42 Resp: 500984

Ion Ratio Lower Upper

42 100

72 47.0 36.6 54.8

71 43.6 34.3 51.5



#30

Chloroform

Concen: 45.728 ug/l

RT: 4.65 min Scan# 1107

Delta R.T. 0.00 min

Lab File: VU034346.D

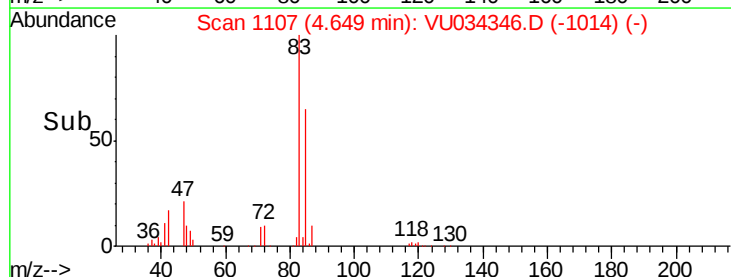
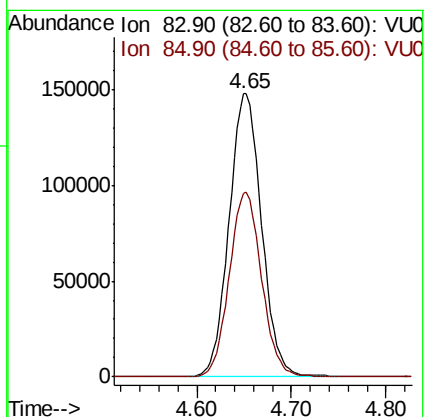
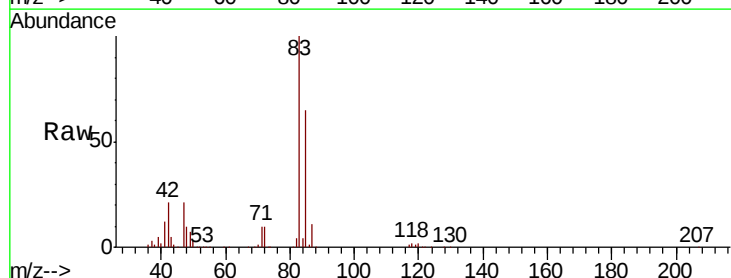
Acq: 06 Sep 2019 21:36

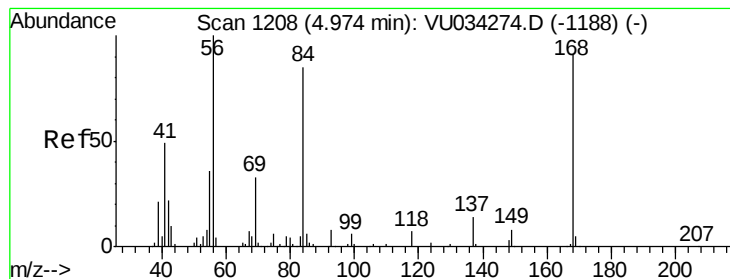
Tgt Ion: 83 Resp: 352540

Ion Ratio Lower Upper

83 100

85 64.7 51.5 77.3





#31

Cyclohexane

Concen: 45.831 ug/l

RT: 4.97 min Scan# 1208

Delta R.T. 0.00 min

Lab File: VU034346.D

Acq: 06 Sep 2019 21:36

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

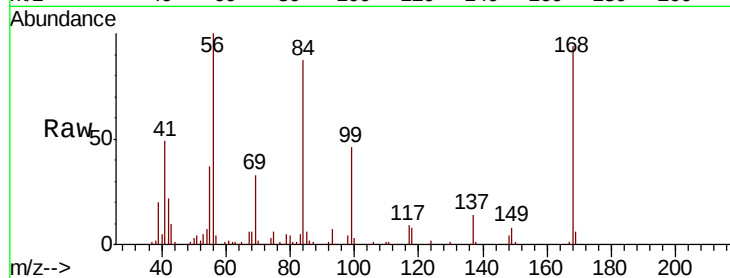
Tgt Ion: 56 Resp: 254310

Ion Ratio Lower Upper

56 100

69 32.8 26.7 40.1

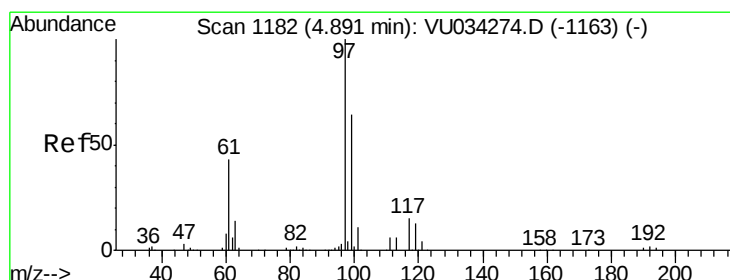
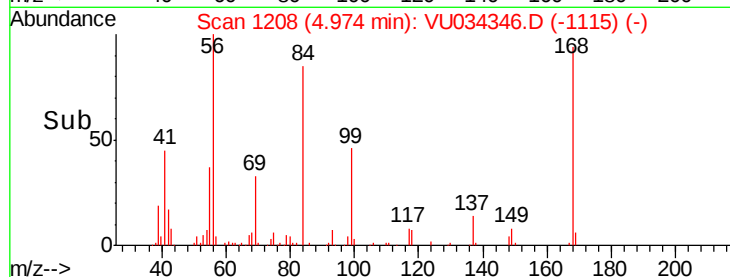
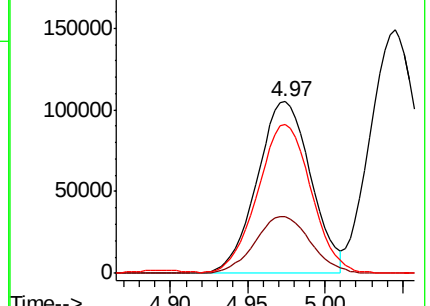
84 86.3 68.2 102.4



Abundance Ion 56.00 (55.70 to 56.70): VU034346.D (-1188) (-)

Ion 69.00 (68.70 to 69.70): VU034346.D (-1188) (-)

Ion 84.00 (83.70 to 84.70): VU034346.D (-1188) (-)



#32

1,1,1-Trichloroethane

Concen: 47.130 ug/l

RT: 4.89 min Scan# 1183

Delta R.T. 0.00 min

Lab File: VU034346.D

Acq: 06 Sep 2019 21:36

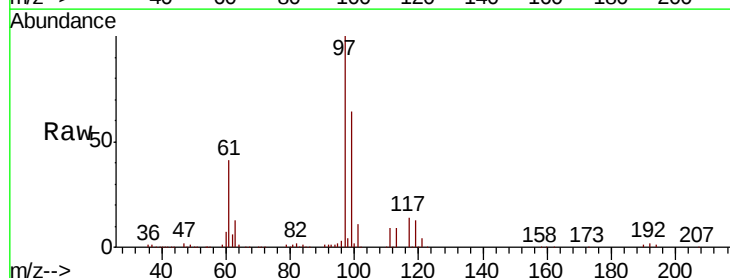
Tgt Ion: 97 Resp: 290505

Ion Ratio Lower Upper

97 100

99 64.1 50.9 76.3

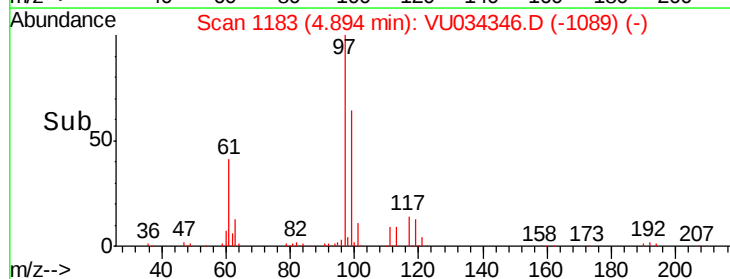
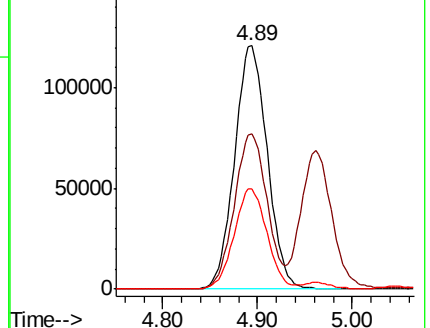
61 41.7 34.7 52.1

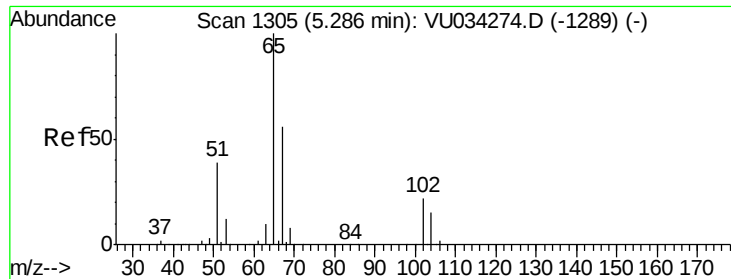


Abundance Ion 96.90 (96.60 to 97.60): VU034346.D (-1089) (-)

Ion 98.90 (98.60 to 99.60): VU034346.D (-1089) (-)

Ion 60.90 (60.60 to 61.60): VU034346.D (-1089) (-)

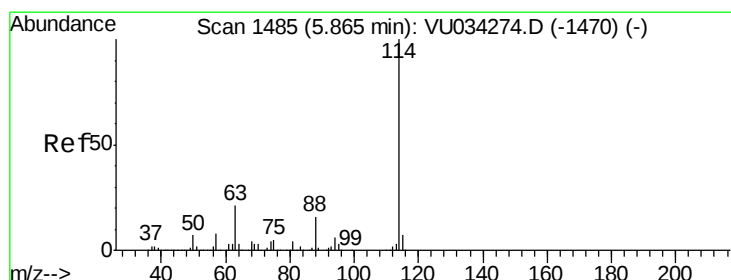
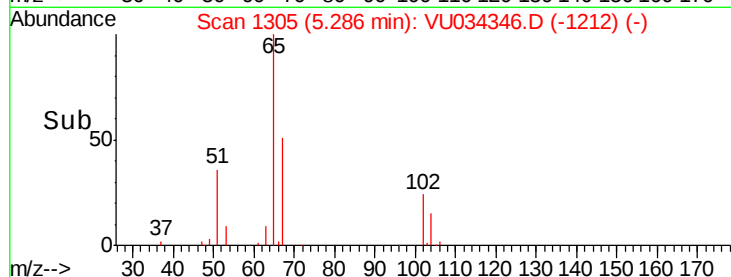
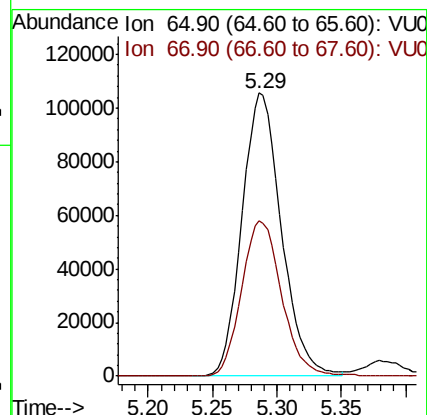
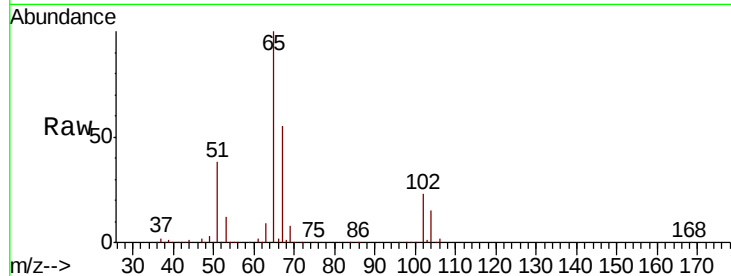




#33
 1,2-Dichloroethane-d4
 Concen: 47.412 ug/l
 RT: 5.29 min Scan# 1305
 Delta R.T. 0.00 min
 Lab File: VU034346.D
 Acq: 06 Sep 2019 21:36

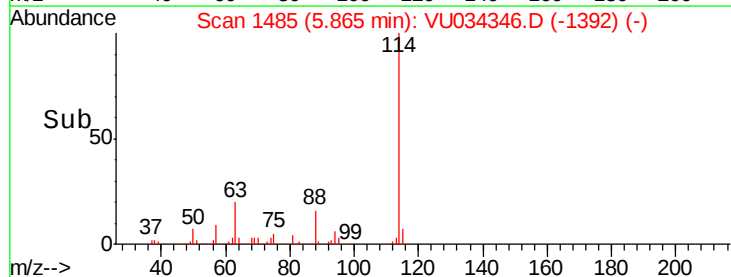
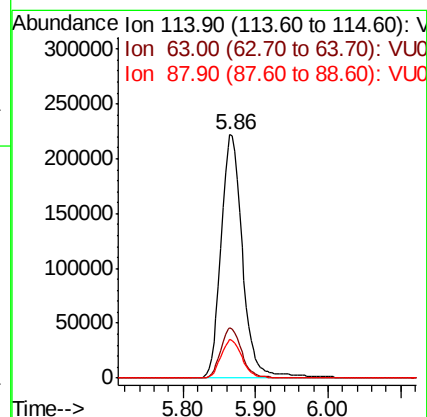
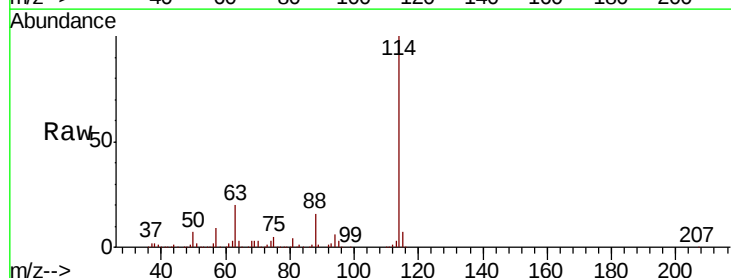
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

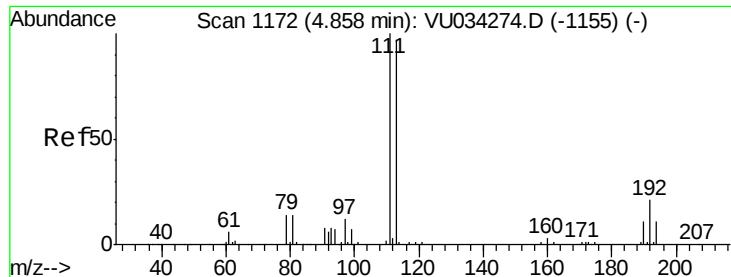
Tgt Ion: 65 Resp: 224606
 Ion Ratio Lower Upper
 65 100
 67 55.9 0.0 112.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.86 min Scan# 1485
 Delta R.T. 0.00 min
 Lab File: VU034346.D
 Acq: 06 Sep 2019 21:36

Tgt Ion: 114 Resp: 458116
 Ion Ratio Lower Upper
 114 100
 63 20.5 0.0 42.4
 88 15.7 0.0 32.4

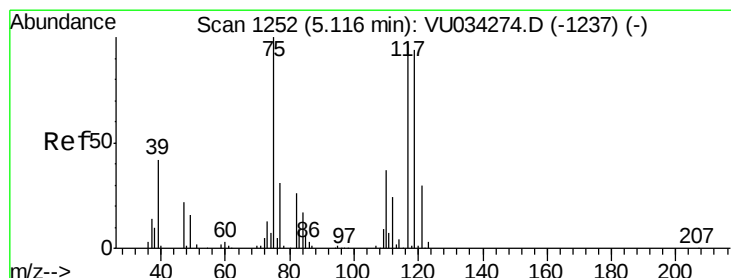
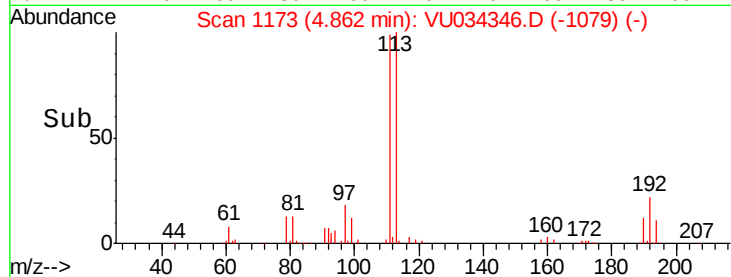
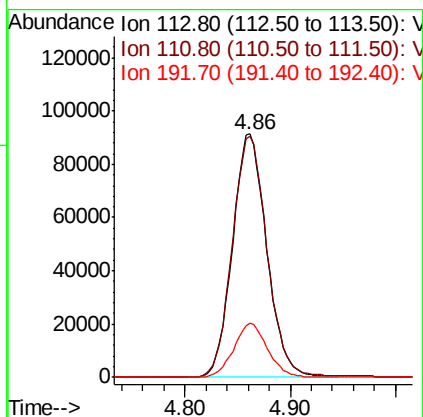
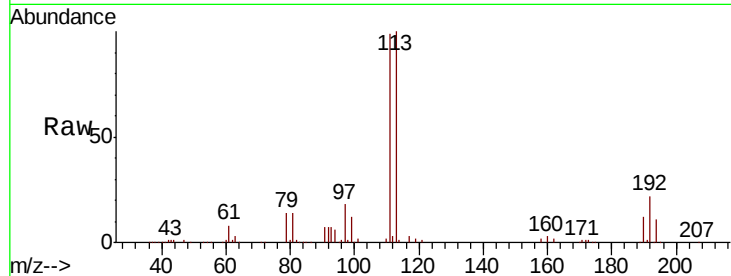




#35
 Dibromofluoromethane
 Concen: 48.263 ug/l
 RT: 4.86 min Scan# 1173
 Delta R.T. 0.00 min
 Lab File: VU034346.D
 Acq: 06 Sep 2019 21:36

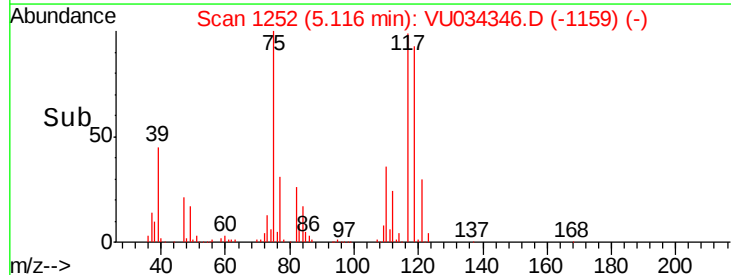
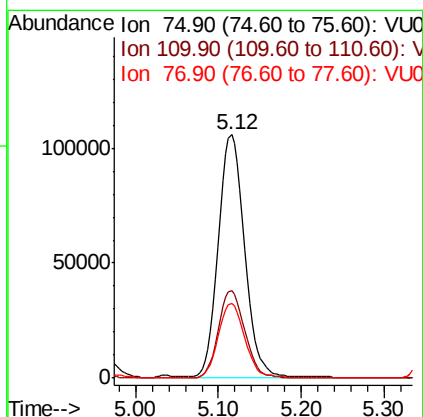
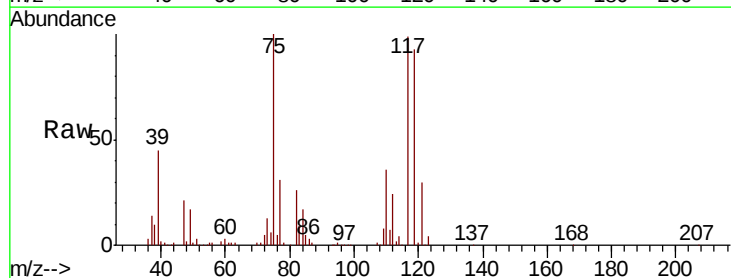
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

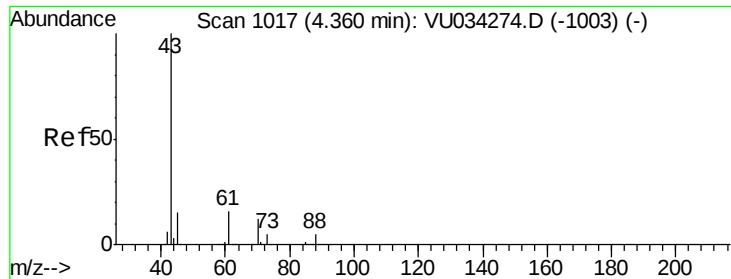
Tgt Ion	Ratio	Lower	Upper
113	100		
111	100.7	81.5	122.3
192	21.9	17.8	26.8



#36
 1,1-Dichloropropene
 Concen: 46.707 ug/l
 RT: 5.12 min Scan# 1252
 Delta R.T. 0.00 min
 Lab File: VU034346.D
 Acq: 06 Sep 2019 21:36

Tgt Ion	Ratio	Lower	Upper
75	100		
110	36.4	18.3	54.9
77	30.7	24.9	37.3

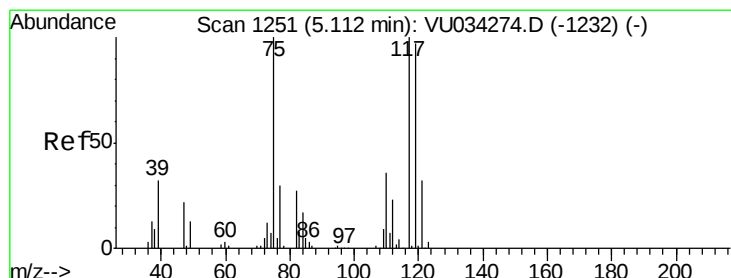
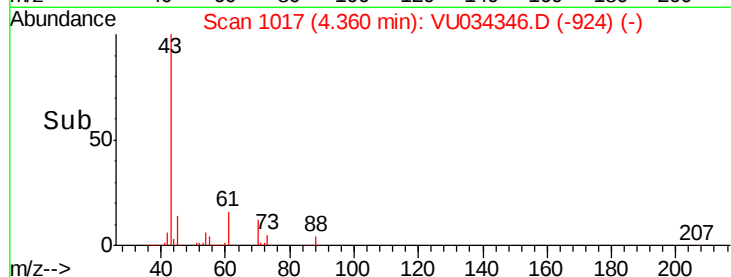
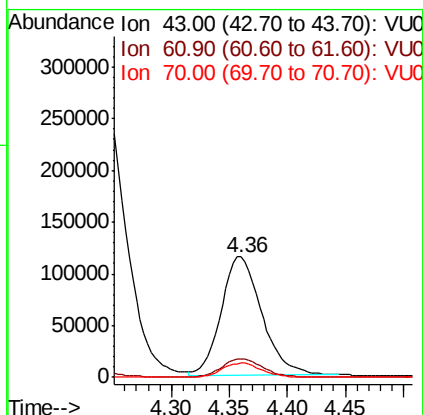
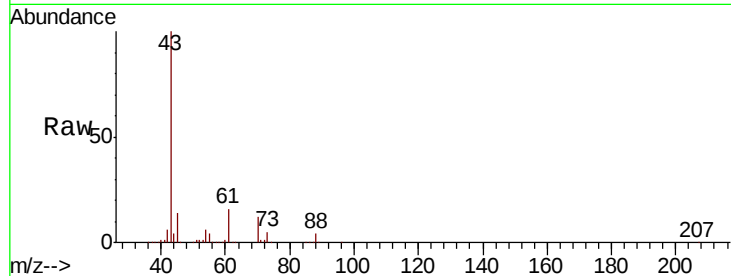




#37
Ethyl Acetate
Concen: 47.848 ug/l
RT: 4.36 min Scan# 1017
Delta R.T. 0.00 min
Lab File: VU034346.D
Acq: 06 Sep 2019 21:36

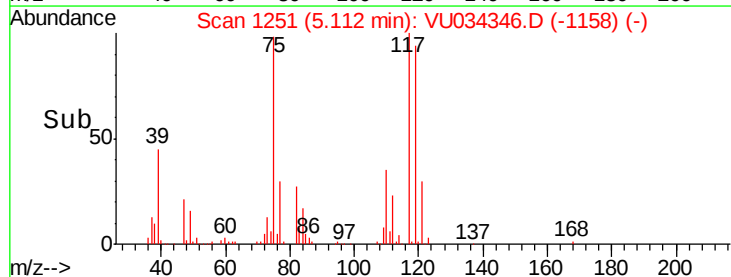
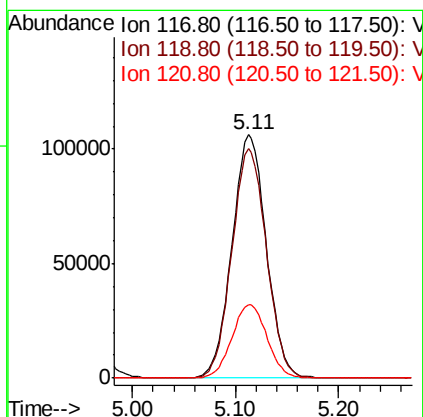
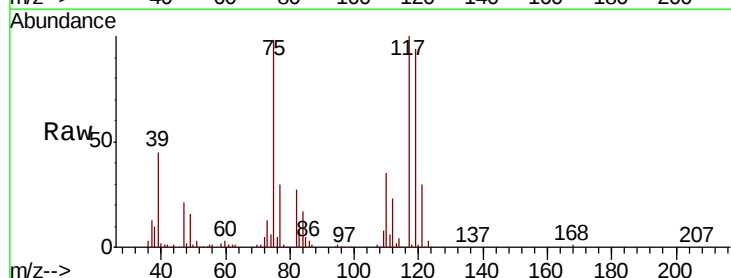
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tgt Ion: 43 Resp: 281068
Ion Ratio Lower Upper
43 100
61 15.2 12.3 18.5
70 12.1 9.1 13.7



#38
Carbon Tetrachloride
Concen: 46.227 ug/l
RT: 5.11 min Scan# 1251
Delta R.T. 0.00 min
Lab File: VU034346.D
Acq: 06 Sep 2019 21:36

Tgt Ion: 117 Resp: 245226
Ion Ratio Lower Upper
117 100
119 94.2 77.8 116.6
121 30.3 25.2 37.8

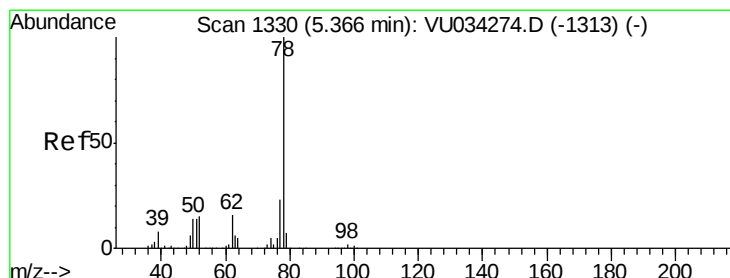
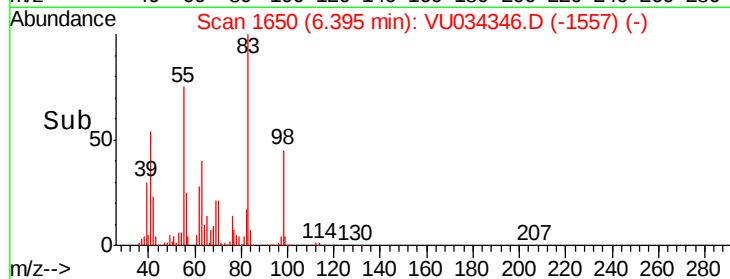
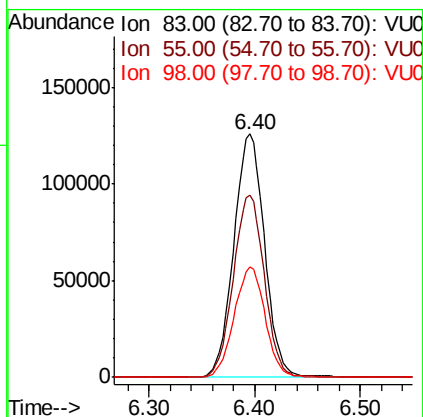
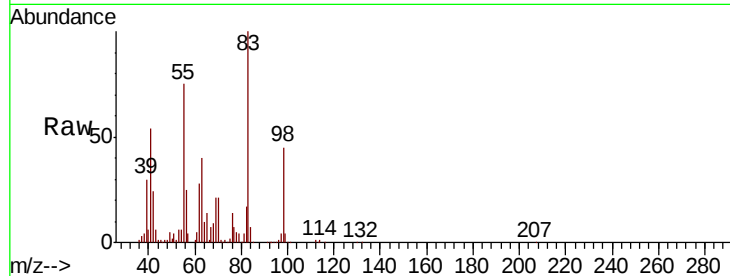




#39
Methylcyclohexane
Concen: 47.915 ug/l
RT: 6.40 min Scan# 1650
Delta R.T. 0.00 min
Lab File: VU034346.D
Acq: 06 Sep 2019 21:36

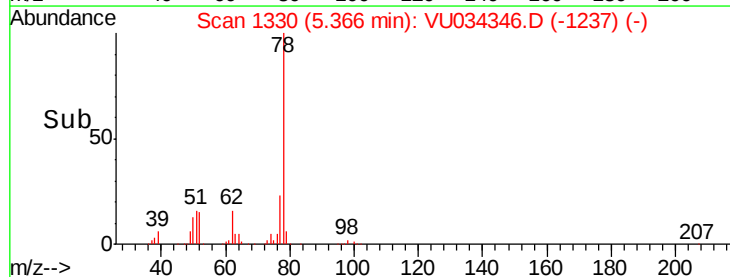
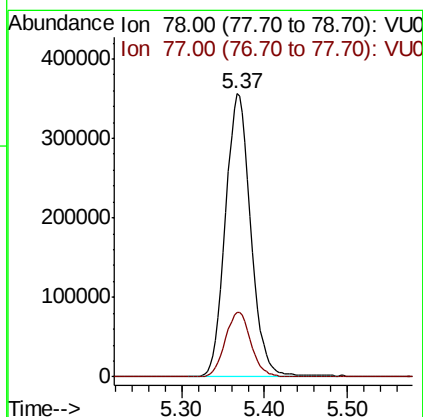
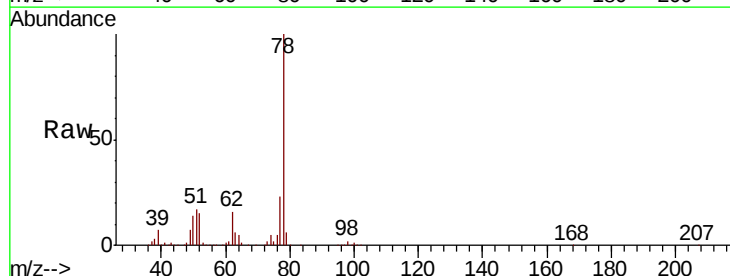
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

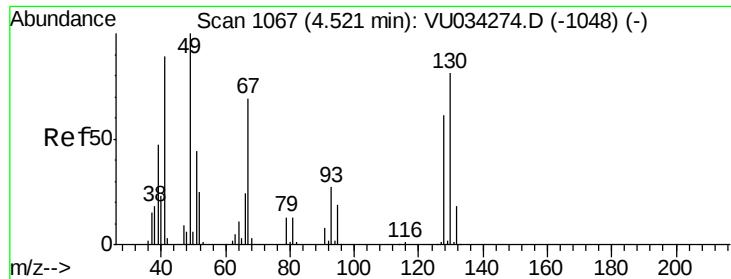
Tgt Ion: 83 Resp: 254485
Ion Ratio Lower Upper
83 100
55 75.1 62.1 93.1
98 45.3 37.0 55.6



#40
Benzene
Concen: 47.327 ug/l
RT: 5.37 min Scan# 1330
Delta R.T. 0.00 min
Lab File: VU034346.D
Acq: 06 Sep 2019 21:36

Tgt Ion: 78 Resp: 758728
Ion Ratio Lower Upper
78 100
77 22.8 18.7 28.1

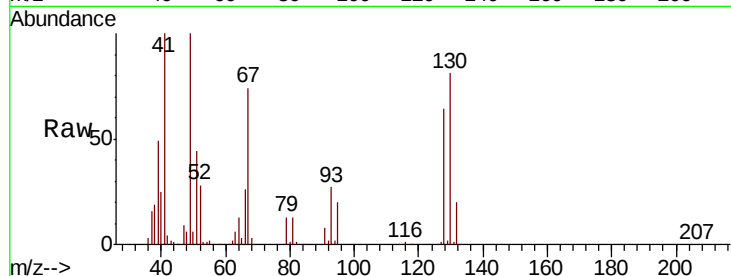




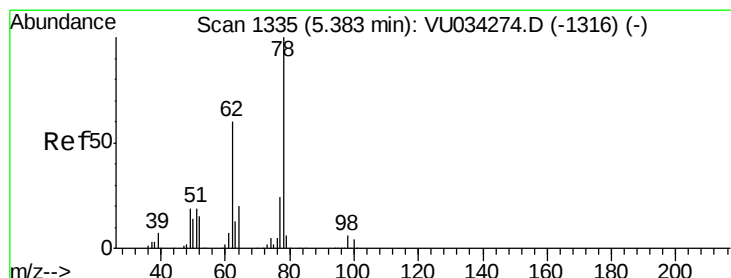
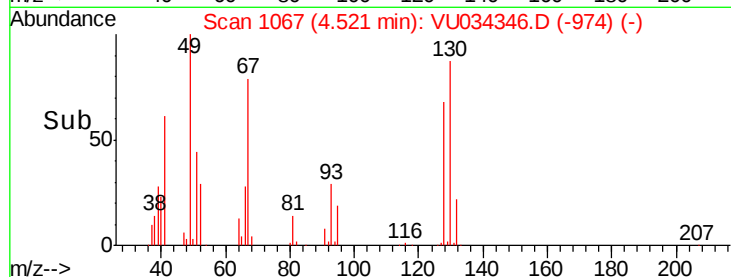
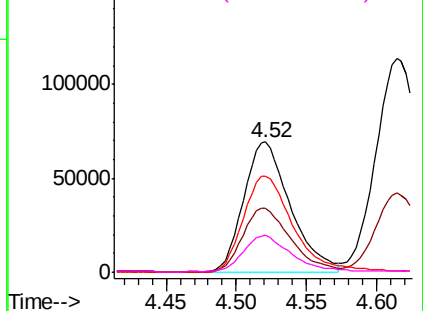
#41
Methacrylonitrile
Concen: 51.038 ug/l
RT: 4.52 min Scan# 1067
Delta R.T. 0.00 min
Lab File: VU034346.D
Acq: 06 Sep 2019 21:36

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tgt Ion:	41	Resp:	159695
Ion	Ratio	Lower	Upper
41	100		
39	50.5	41.0	61.4
67	79.9	62.4	93.6
52	28.4	23.6	35.4

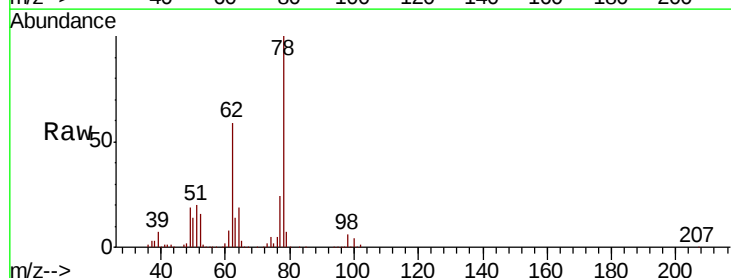


Abundance Ion 41.00 (40.70 to 41.70): VU0
Ion 39.00 (38.70 to 39.70): VU0
Ion 67.00 (66.70 to 67.70): VU0
Ion 52.00 (51.70 to 52.70): VU0

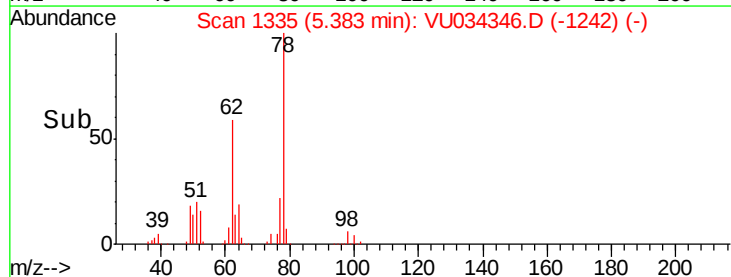
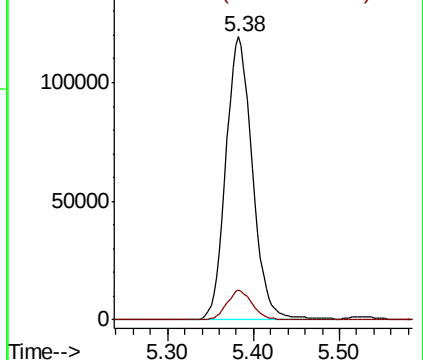


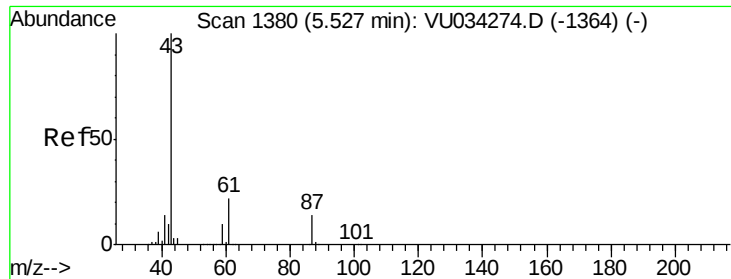
#42
1,2-Dichloroethane
Concen: 46.096 ug/l
RT: 5.38 min Scan# 1335
Delta R.T. 0.00 min
Lab File: VU034346.D
Acq: 06 Sep 2019 21:36

Tgt Ion:	62	Resp:	256574
Ion	Ratio	Lower	Upper
62	100		
98	10.1	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: 49.124 ug/l

RT: 5.53 min Scan# 1380

Delta R.T. 0.00 min

Lab File: VU034346.D

Acq: 06 Sep 2019 21:36

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

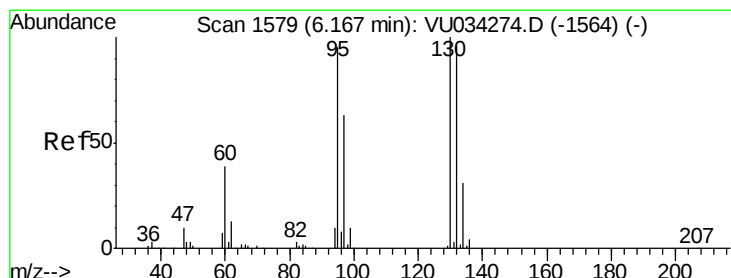
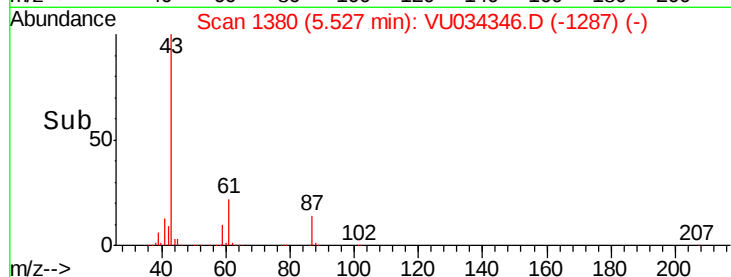
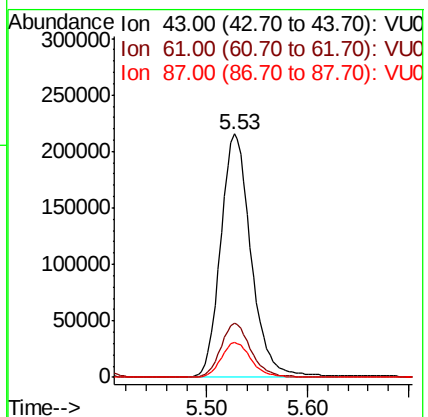
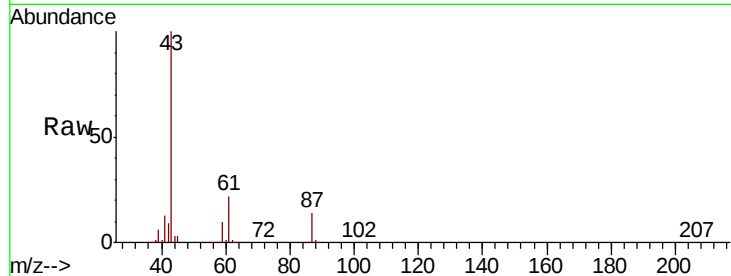
Tgt Ion: 43 Resp: 450154

Ion Ratio Lower Upper

43 100

61 22.2 17.1 25.7

87 14.3 11.1 16.7



#44

Trichloroethene

Concen: 48.515 ug/l

RT: 6.17 min Scan# 1579

Delta R.T. 0.00 min

Lab File: VU034346.D

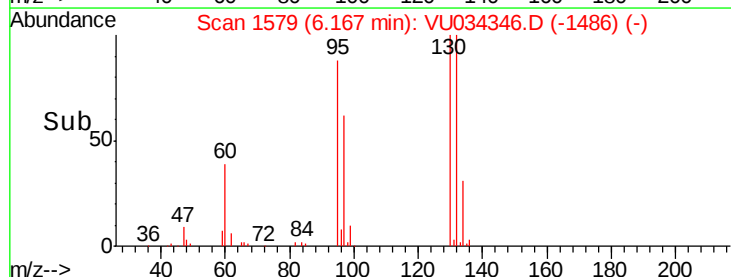
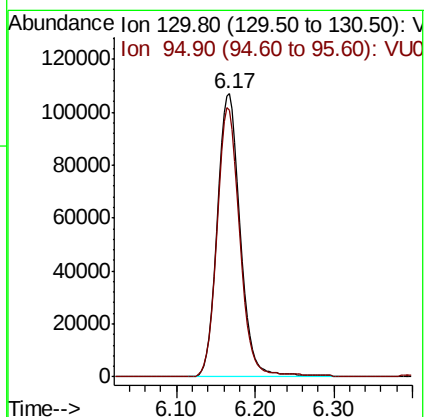
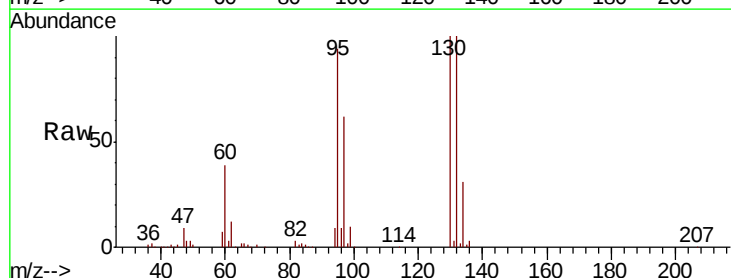
Acq: 06 Sep 2019 21:36

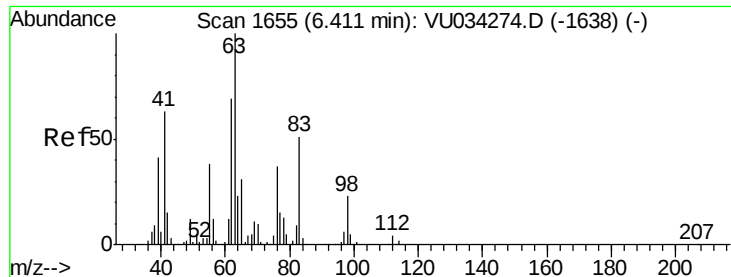
Tgt Ion: 130 Resp: 215226

Ion Ratio Lower Upper

130 100

95 94.2 0.0 189.2





#45

1,2-Dichloropropane

Concen: 47.589 ug/l

RT: 6.41 min Scan# 1655

Delta R.T. 0.00 min

Lab File: VU034346.D

Acq: 06 Sep 2019 21:36

Instrument :

MSVOA_U

ClientSampleId :

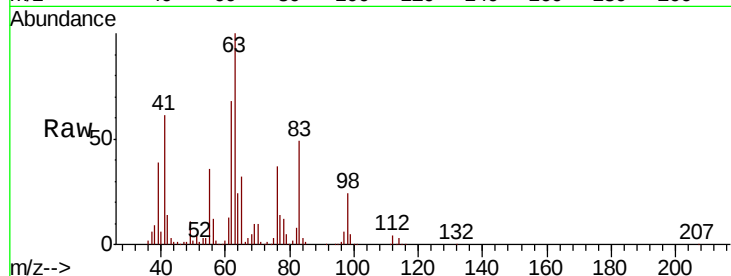
VSTDCCC050

Tgt Ion: 63 Resp: 223035

Ion Ratio Lower Upper

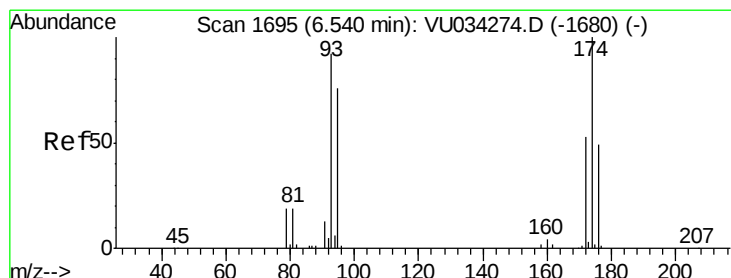
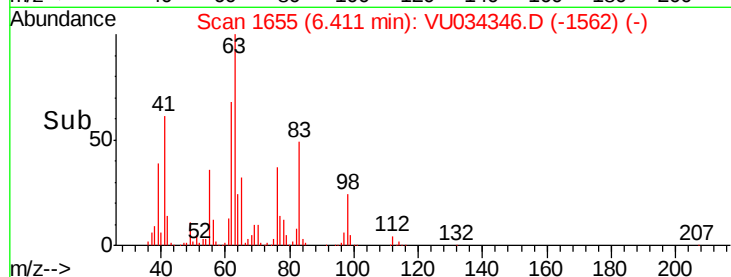
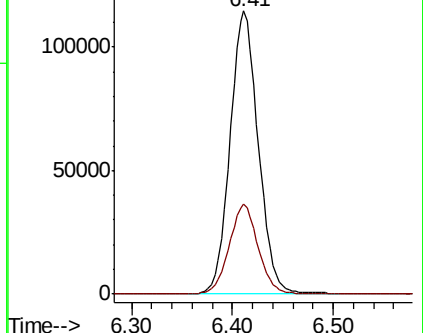
63 100

65 31.7 24.6 37.0



Abundance Ion 62.90 (62.60 to 63.60): VU034274.D (-1638) (-)

Ion 64.90 (64.60 to 65.60): VU034274.D (-1638) (-)



#46

Dibromomethane

Concen: 47.196 ug/l

RT: 6.54 min Scan# 1695

Delta R.T. 0.00 min

Lab File: VU034346.D

Acq: 06 Sep 2019 21:36

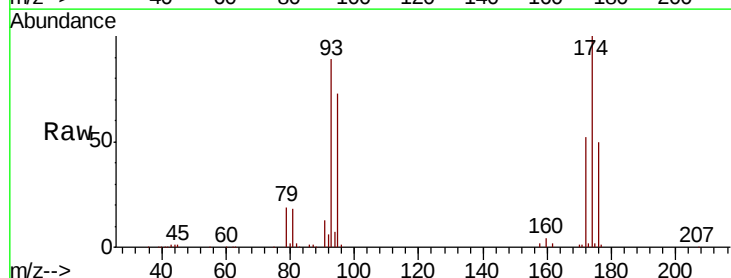
Tgt Ion: 93 Resp: 138845

Ion Ratio Lower Upper

93 100

95 83.4 66.5 99.7

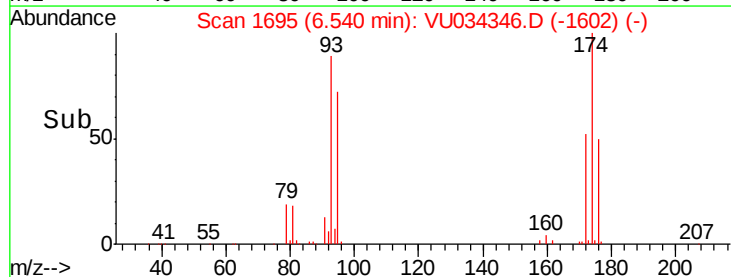
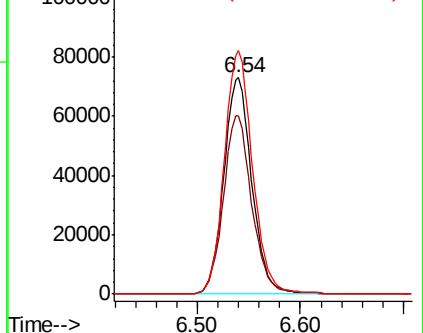
174 113.5 87.8 131.6

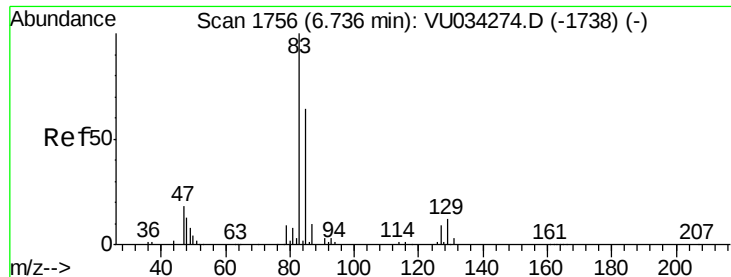


Abundance Ion 92.80 (92.50 to 93.50): VU034274.D (-1680) (-)

Ion 94.80 (94.50 to 95.50): VU034274.D (-1680) (-)

Ion 173.70 (173.40 to 174.40): VU034274.D (-1680) (-)

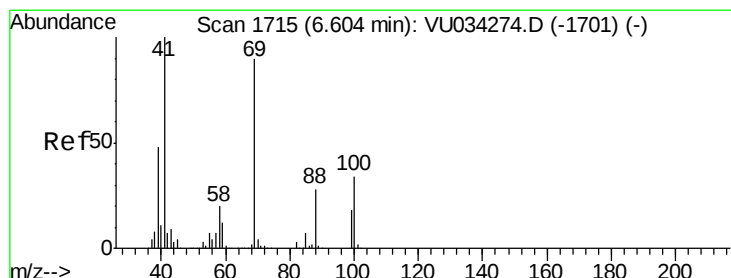
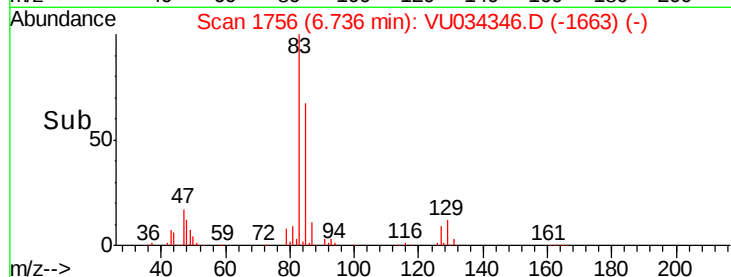
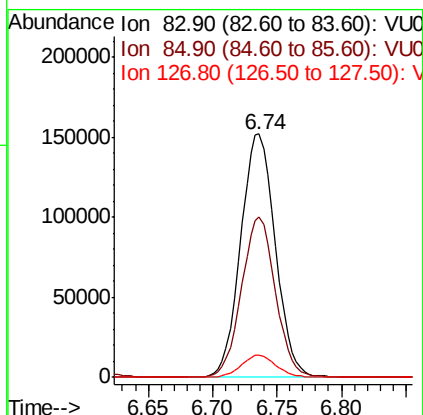
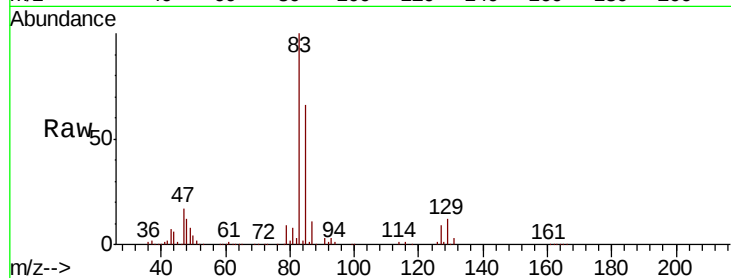




#47
 Bromodichloromethane
 Concen: 47.019 ug/l
 RT: 6.74 min Scan# 1756
 Delta R.T. 0.00 min
 Lab File: VU034346.D
 Acq: 06 Sep 2019 21:36

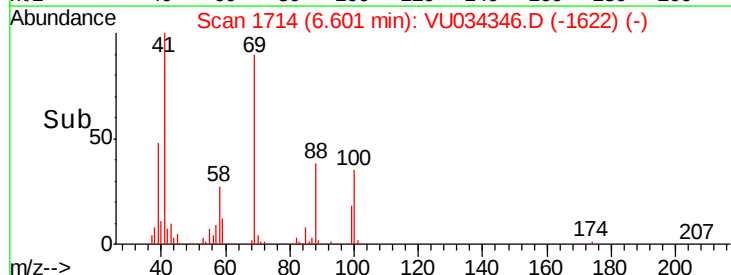
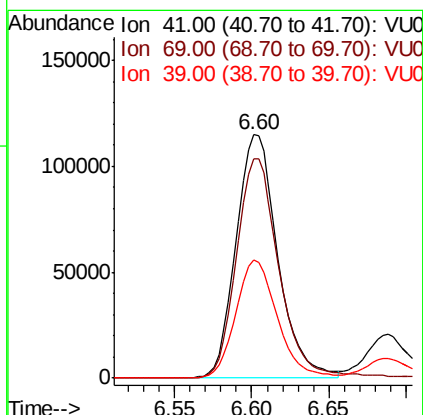
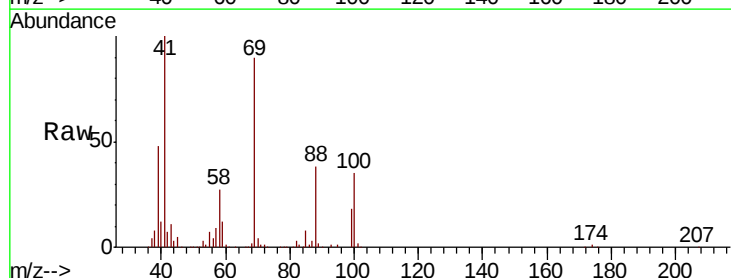
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

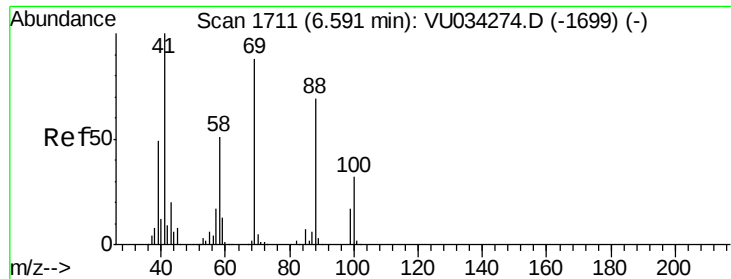
Tgt Ion: 83 Resp: 284728
 Ion Ratio Lower Upper
 83 100
 85 65.7 51.1 76.7
 127 8.9 7.2 10.8



#48
 Methyl methacrylate
 Concen: 49.062 ug/l
 RT: 6.60 min Scan# 1714
 Delta R.T. -0.00 min
 Lab File: VU034346.D
 Acq: 06 Sep 2019 21:36

Tgt Ion: 41 Resp: 213536
 Ion Ratio Lower Upper
 41 100
 69 93.1 72.8 109.2
 39 48.2 38.6 58.0

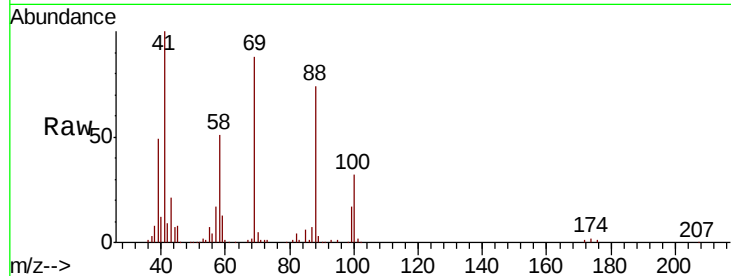




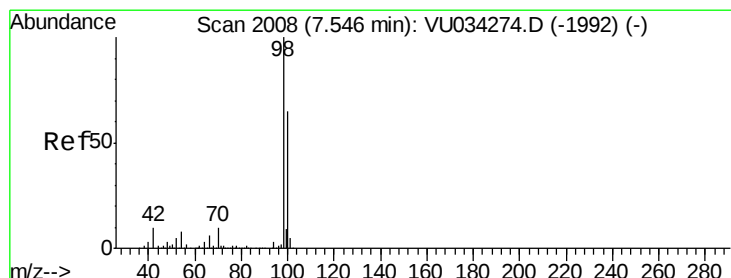
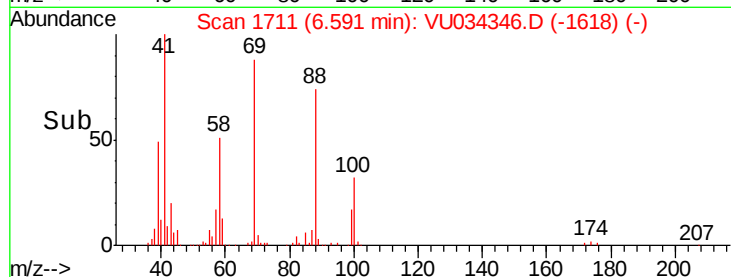
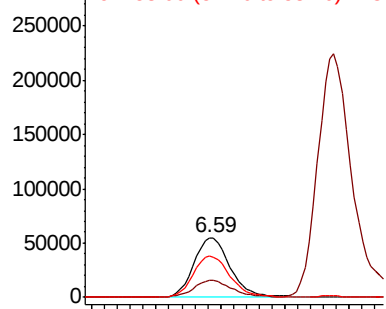
#49
 1,4-Dioxane
 Concen: 1116.304 ug/l
 RT: 6.59 min Scan# 1711
 Delta R.T. 0.00 min
 Lab File: VU034346.D
 Acq: 06 Sep 2019 21:36

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

Tgt Ion: 88 Resp: 106093
 Ion Ratio Lower Upper
 88 100
 43 28.1 23.8 35.6
 58 71.5 58.4 87.6

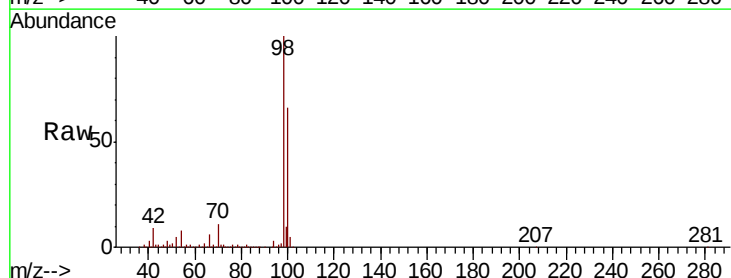


Abundance Ion 88.00 (87.70 to 88.70): VU0
 Ion 43.00 (42.70 to 43.70): VU0
 Ion 58.00 (57.70 to 58.70): VU0

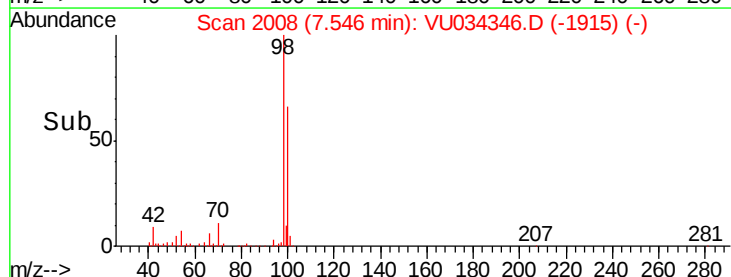
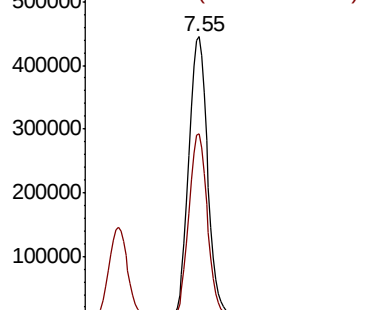


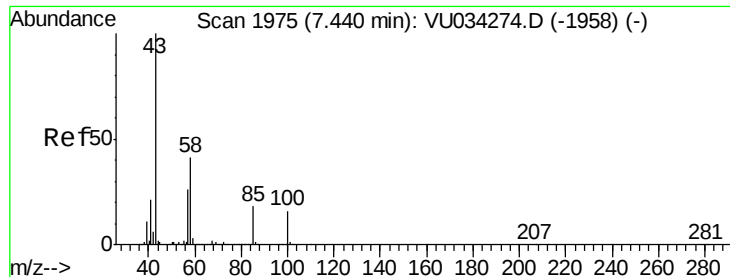
#50
 Toluene-d8
 Concen: 49.593 ug/l
 RT: 7.55 min Scan# 2008
 Delta R.T. 0.00 min
 Lab File: VU034346.D
 Acq: 06 Sep 2019 21:36

Tgt Ion: 98 Resp: 794250
 Ion Ratio Lower Upper
 98 100
 100 64.4 51.7 77.5



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

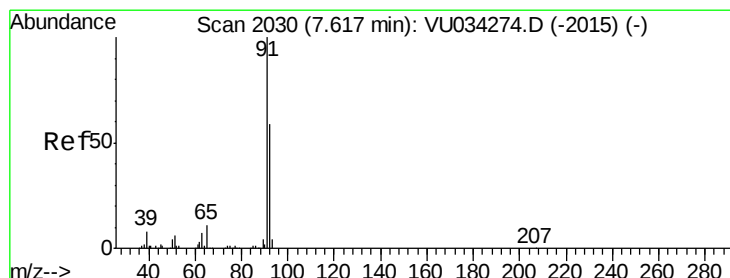
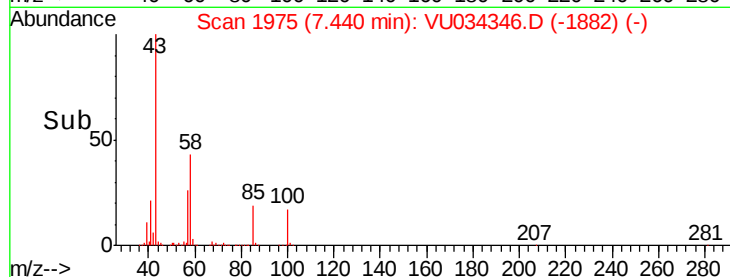
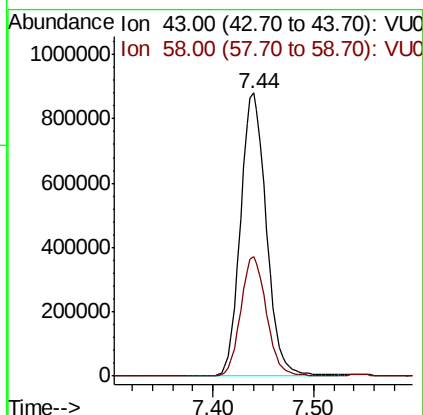
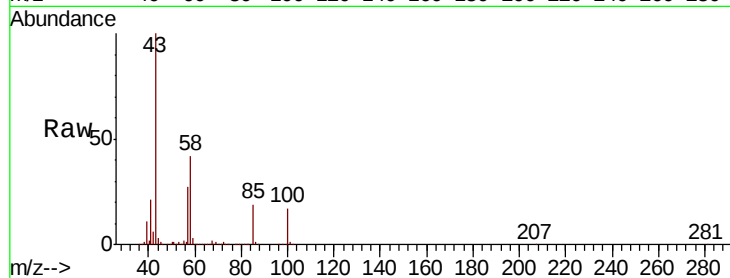




#51
 4-Methyl-2-Pentanone
 Concen: 244.772 ug/l
 RT: 7.44 min Scan# 1975
 Delta R.T. 0.00 min
 Lab File: VU034346.D
 Acq: 06 Sep 2019 21:36

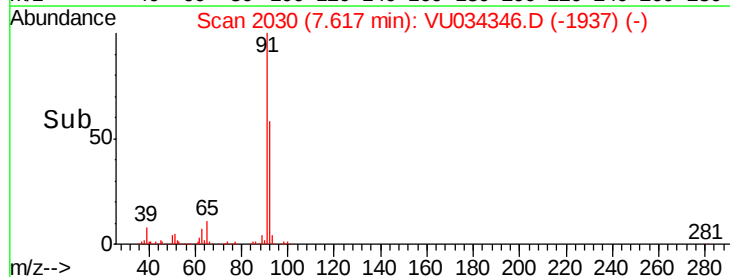
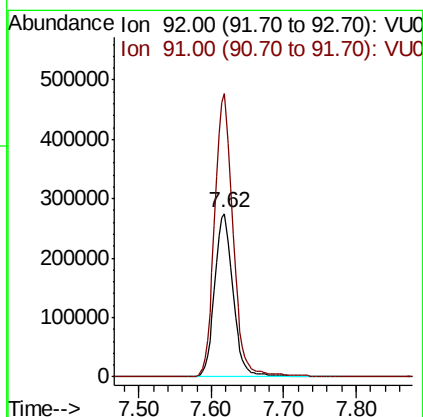
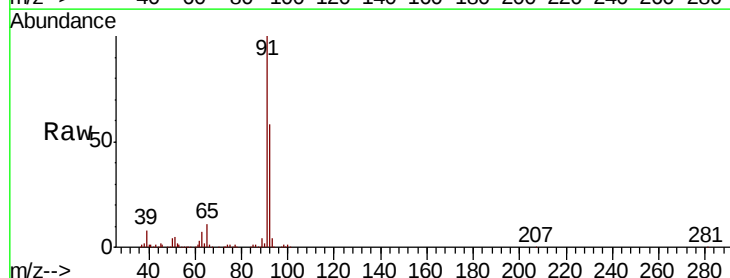
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

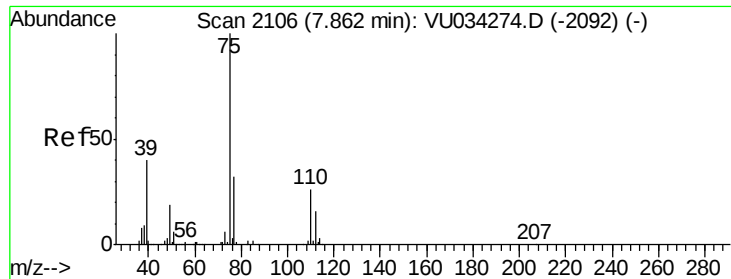
Tgt Ion: 43 Resp: 1552596
 Ion Ratio Lower Upper
 43 100
 58 42.0 33.0 49.4



#52
 Toluene
 Concen: 48.646 ug/l
 RT: 7.62 min Scan# 2030
 Delta R.T. 0.00 min
 Lab File: VU034346.D
 Acq: 06 Sep 2019 21:36

Tgt Ion: 92 Resp: 489221
 Ion Ratio Lower Upper
 92 100
 91 172.8 136.6 205.0





#53

t-1,3-Dichloropropene

Concen: 47.494 ug/l

RT: 7.86 min Scan# 2105

Delta R.T. -0.00 min

Lab File: VU034346.D

Acq: 06 Sep 2019 21:36

Instrument :

MSVOA_U

ClientSampleId :

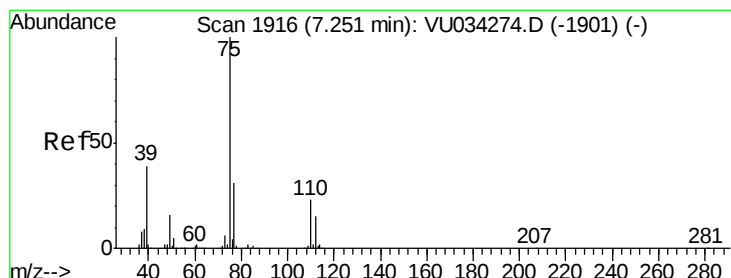
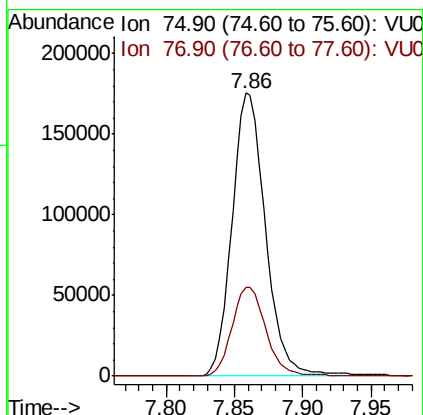
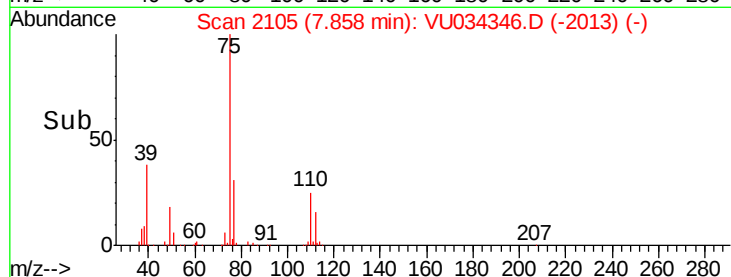
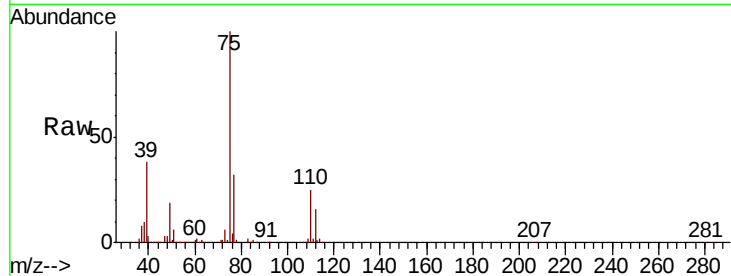
VSTDCCC050

Tgt Ion: 75 Resp: 298139

Ion Ratio Lower Upper

75 100

77 31.5 25.7 38.5



#54

cis-1,3-Dichloropropene

Concen: 48.808 ug/l

RT: 7.25 min Scan# 1915

Delta R.T. -0.00 min

Lab File: VU034346.D

Acq: 06 Sep 2019 21:36

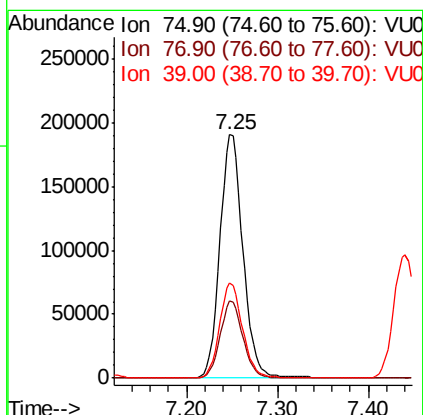
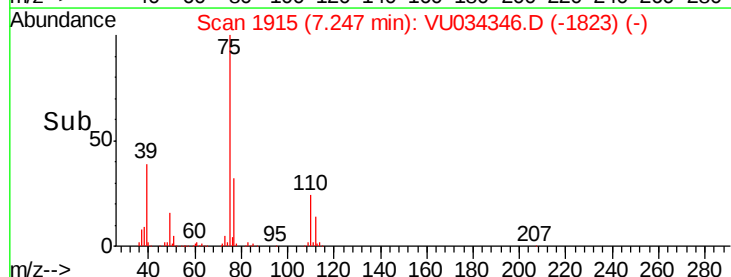
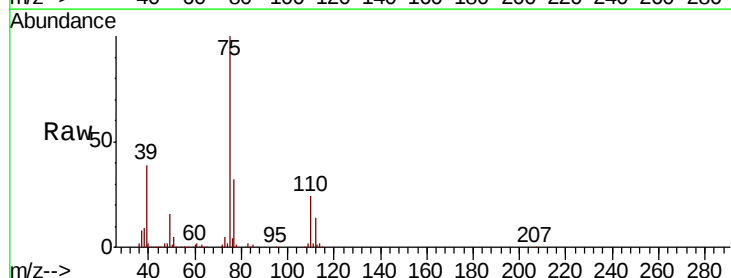
Tgt Ion: 75 Resp: 336270

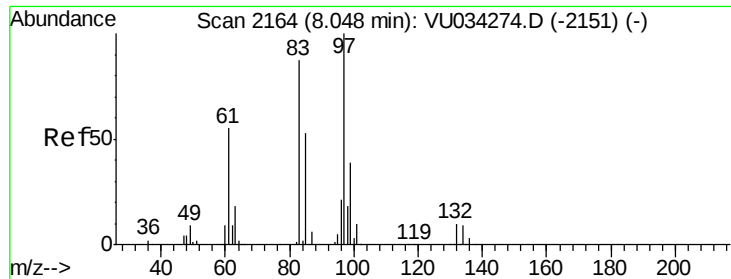
Ion Ratio Lower Upper

75 100

77 31.6 25.1 37.7

39 38.9 31.2 46.8

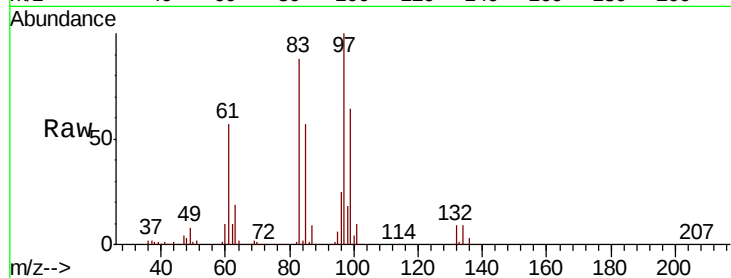




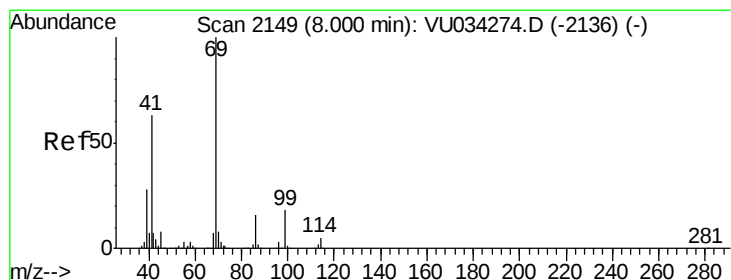
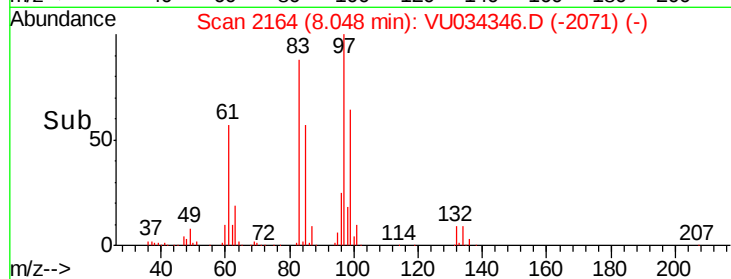
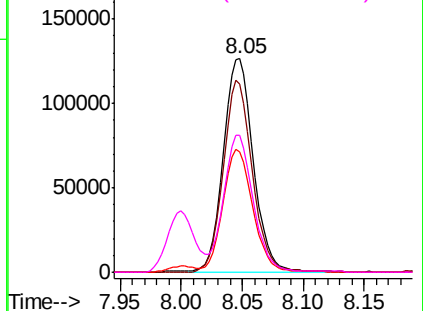
#55
 1,1,2-Trichloroethane
 Concen: 47.346 ug/l
 RT: 8.05 min Scan# 2164
 Delta R.T. 0.00 min
 Lab File: VU034346.D
 Acq: 06 Sep 2019 21:36

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

Tgt Ion:	97	Resp:	216205
Ion	Ratio	Lower	Upper
97	100		
83	88.2	69.0	103.6
85	56.5	44.2	66.2
99	63.9	49.4	74.0

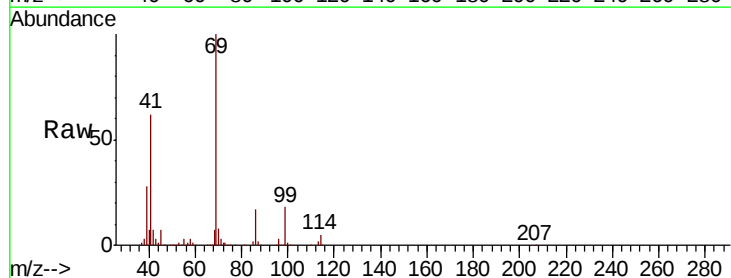


Abundance Ion 96.90 (96.60 to 97.60): VU0
 Ion 82.90 (82.60 to 83.60): VU0
 Ion 84.90 (84.60 to 85.60): VU0
 Ion 98.90 (98.60 to 99.60): VU0

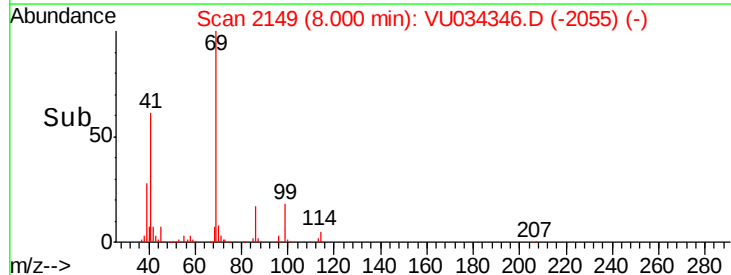
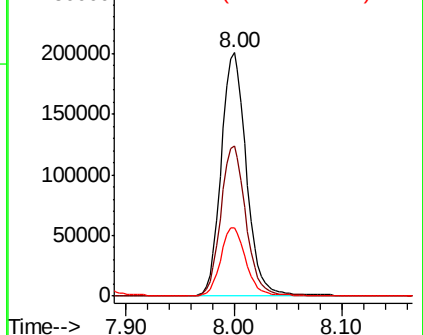


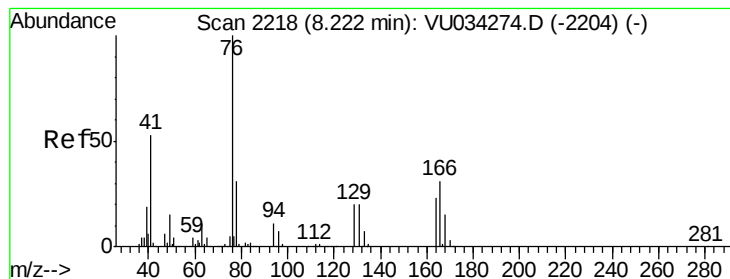
#56
 Ethyl methacrylate
 Concen: 47.378 ug/l
 RT: 8.00 min Scan# 2149
 Delta R.T. 0.00 min
 Lab File: VU034346.D
 Acq: 06 Sep 2019 21:36

Tgt Ion:	69	Resp:	327503
Ion	Ratio	Lower	Upper
69	100		
41	61.0	49.5	74.3
39	27.6	22.5	33.7



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





#57

1,3-Dichloropropane

Concen: 47.906 ug/l

RT: 8.22 min Scan# 2218

Delta R.T. 0.00 min

Lab File: VU034346.D

Acq: 06 Sep 2019 21:36

Instrument :

MSVOA_U

ClientSampleId :

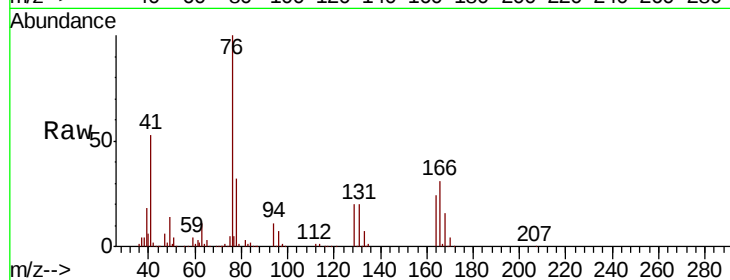
VSTDCCC050

Tgt Ion: 76 Resp: 356222

Ion Ratio Lower Upper

76 100

78 32.4 25.4 38.2



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

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

8.22

200000

150000

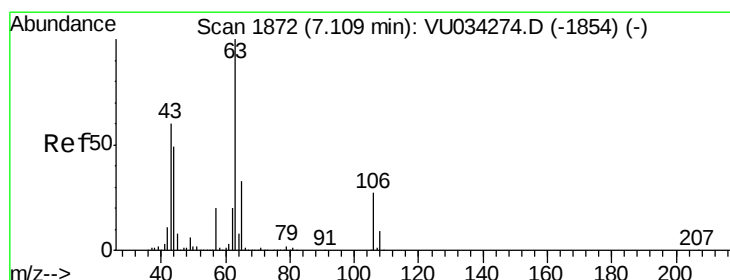
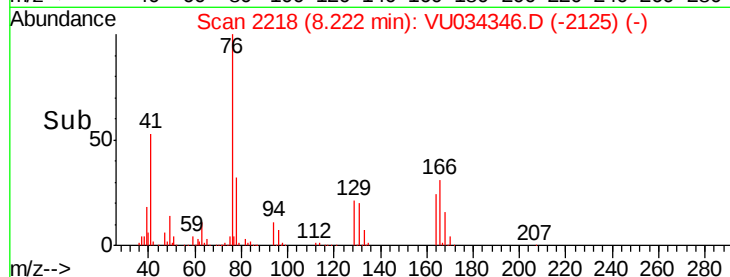
100000

50000

0

8.20 8.30

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 230.227 ug/l

RT: 7.11 min Scan# 1871

Delta R.T. -0.00 min

Lab File: VU034346.D

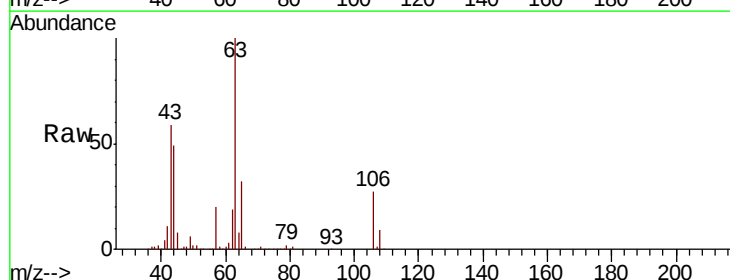
Acq: 06 Sep 2019 21:36

Tgt Ion: 63 Resp: 537086

Ion Ratio Lower Upper

63 100

106 27.1 21.6 32.4



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

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

7.11

300000

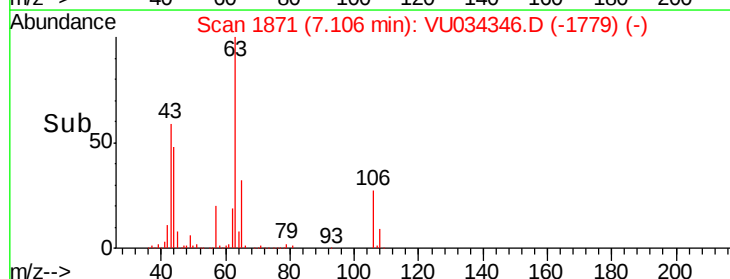
200000

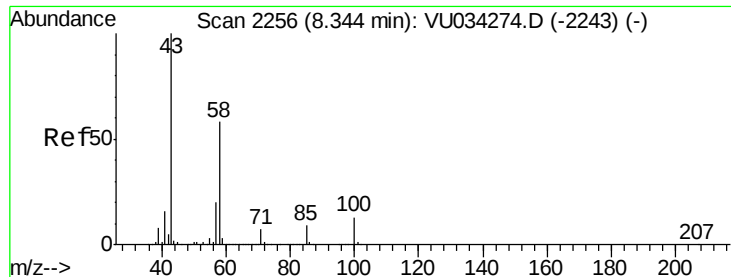
100000

0

7.00 7.10 7.20

Time-->

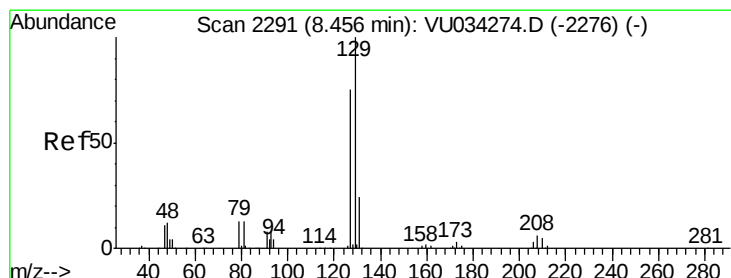
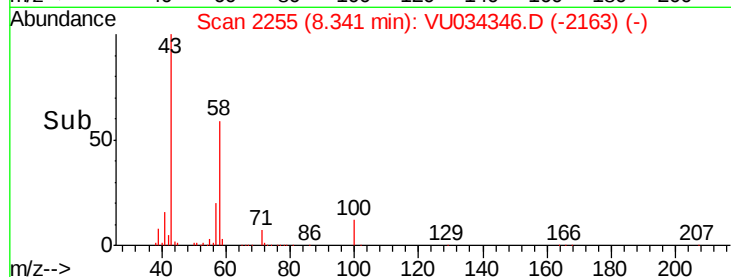
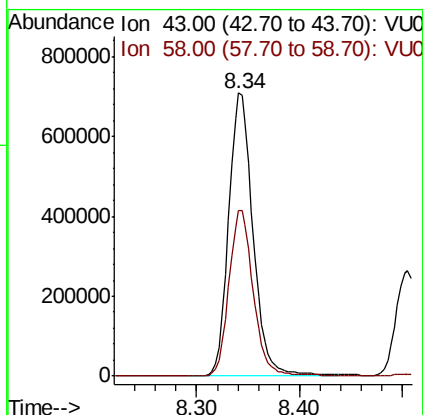
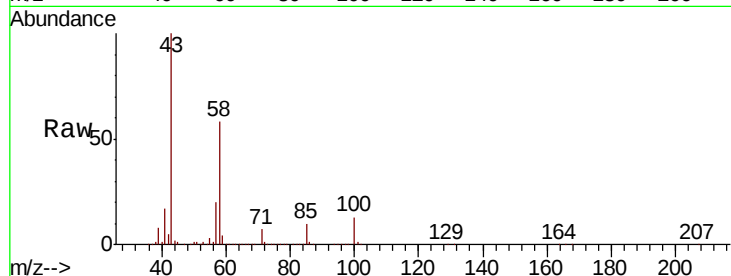




#59
2-Hexanone
Concen: 247.190 ug/l
RT: 8.34 min Scan# 2255
Delta R.T. -0.00 min
Lab File: VU034346.D
Acq: 06 Sep 2019 21:36

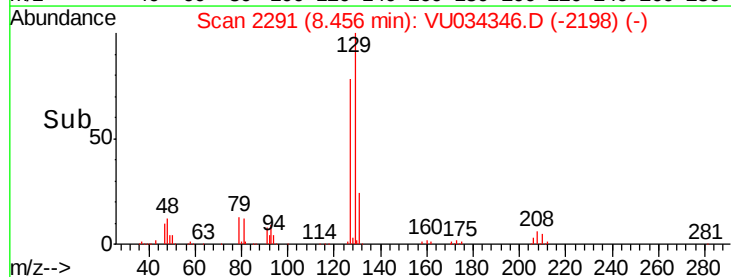
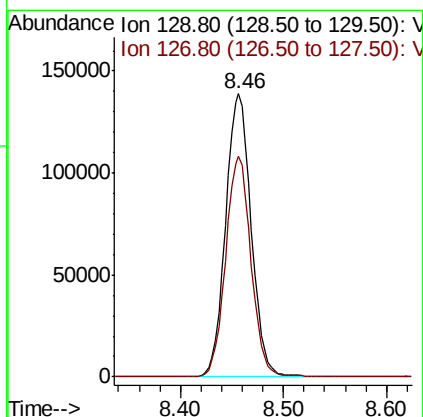
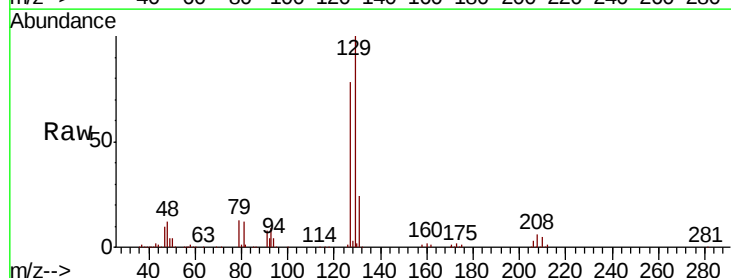
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tgt Ion: 43 Resp: 1171331
Ion Ratio Lower Upper
43 100
58 58.8 28.8 86.5



#60
Dibromochloromethane
Concen: 48.877 ug/l
RT: 8.46 min Scan# 2291
Delta R.T. 0.00 min
Lab File: VU034346.D
Acq: 06 Sep 2019 21:36

Tgt Ion: 129 Resp: 239400
Ion Ratio Lower Upper
129 100
127 77.5 37.9 113.7

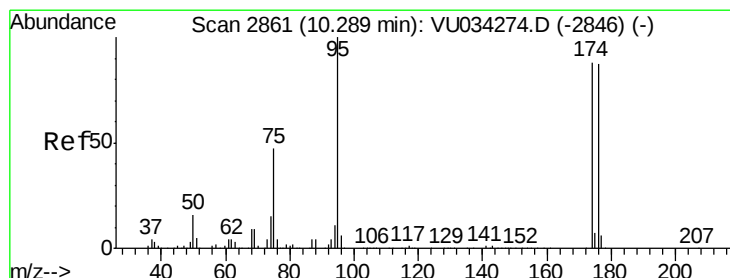
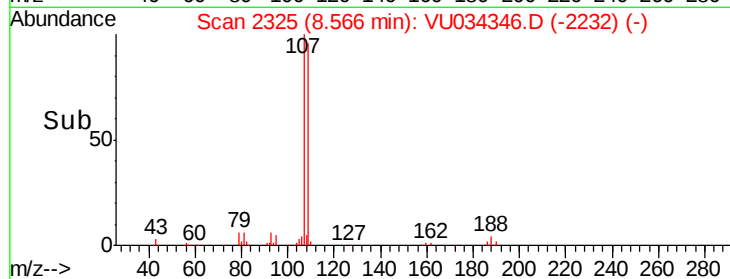
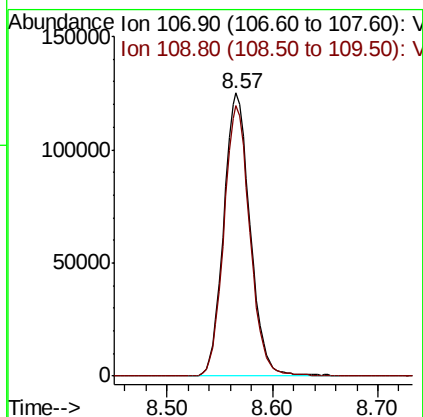
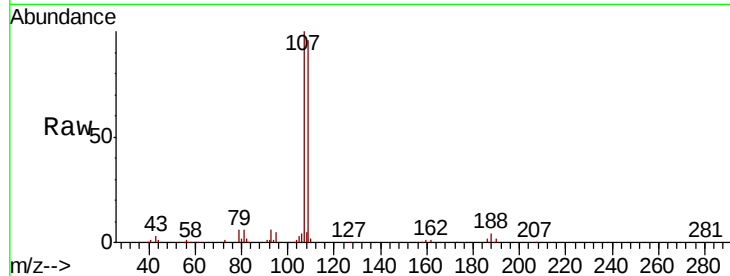




#61
 1,2-Dibromoethane
 Concen: 48.489 ug/l
 RT: 8.57 min Scan# 2325
 Delta R.T. 0.00 min
 Lab File: VU034346.D
 Acq: 06 Sep 2019 21:36

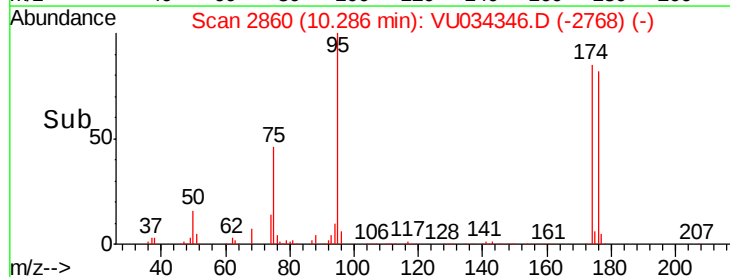
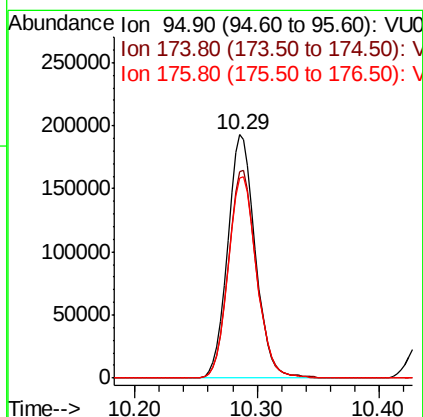
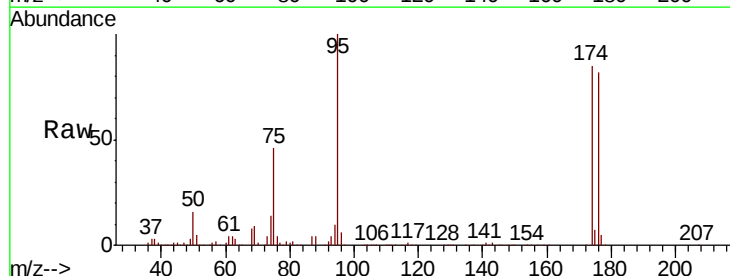
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

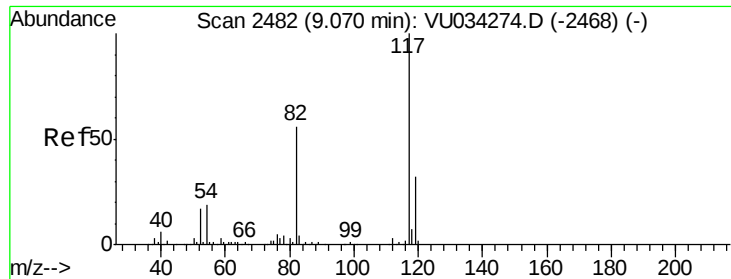
Tgt Ion: 107 Resp: 216725
 Ion Ratio Lower Upper
 107 100
 109 94.0 75.0 112.6



#62
 4-Bromofluorobenzene
 Concen: 49.361 ug/l
 RT: 10.29 min Scan# 2860
 Delta R.T. -0.00 min
 Lab File: VU034346.D
 Acq: 06 Sep 2019 21:36

Tgt Ion: 95 Resp: 305218
 Ion Ratio Lower Upper
 95 100
 174 86.8 0.0 175.2
 176 85.2 0.0 168.0

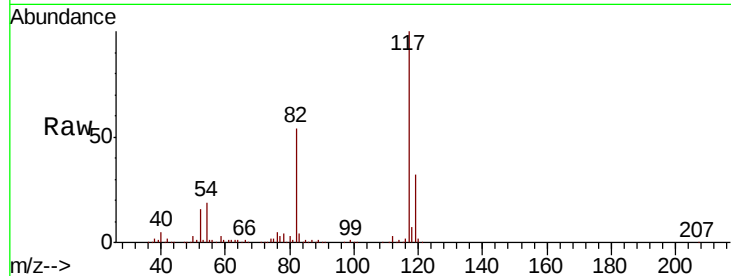




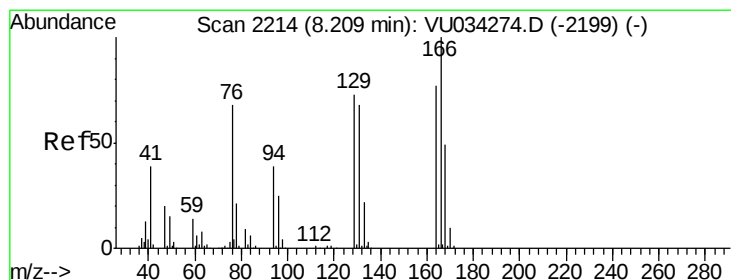
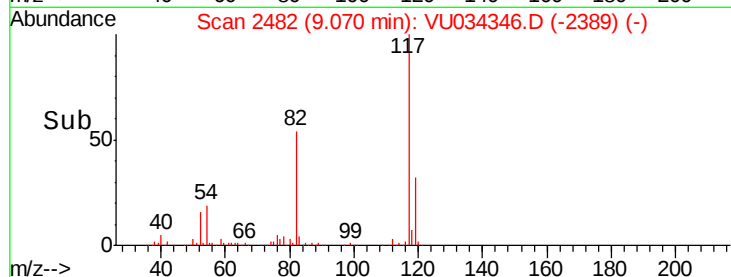
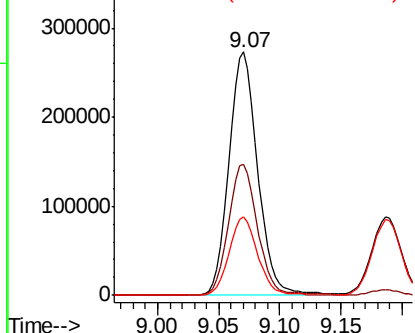
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.07 min Scan# 2482
Delta R.T. 0.00 min
Lab File: VU034346.D
Acq: 06 Sep 2019 21:36

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tgt Ion:117 Resp: 451570
Ion Ratio Lower Upper
117 100
82 54.0 44.6 67.0
119 32.2 25.9 38.9

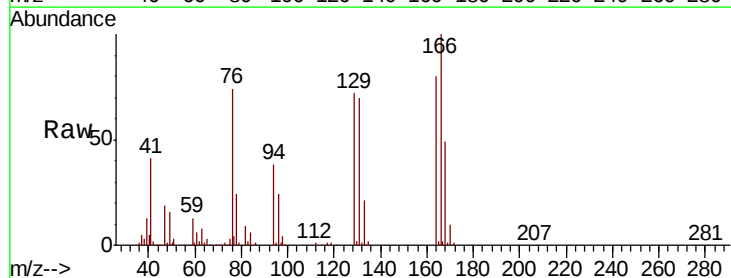


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VU0
Ion 118.90 (118.60 to 119.60): V

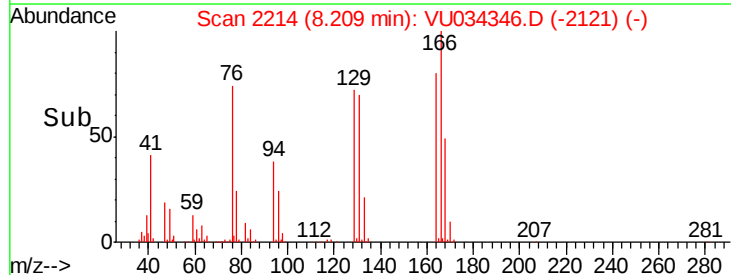
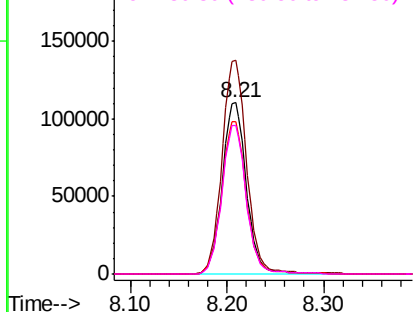


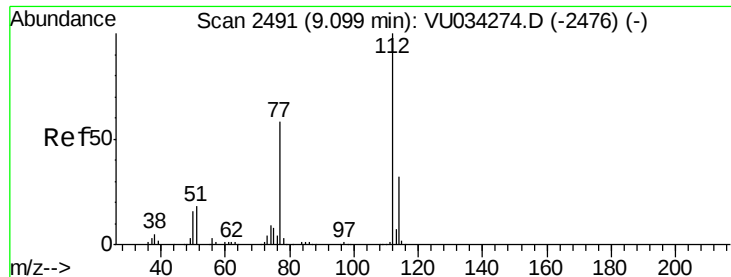
#64
Tetrachloroethene
Concen: 49.036 ug/l
RT: 8.21 min Scan# 2214
Delta R.T. 0.00 min
Lab File: VU034346.D
Acq: 06 Sep 2019 21:36

Tgt Ion:164 Resp: 192105
Ion Ratio Lower Upper
164 100
166 124.9 103.7 155.5
129 89.4 75.8 113.8
131 87.1 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

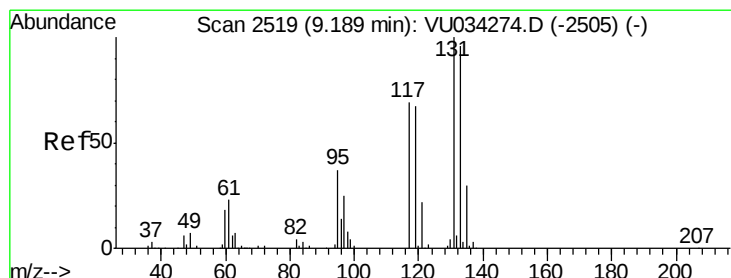
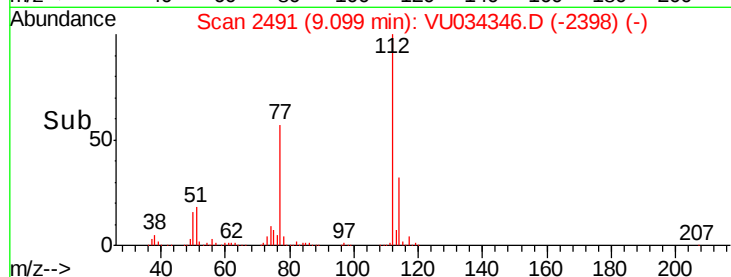
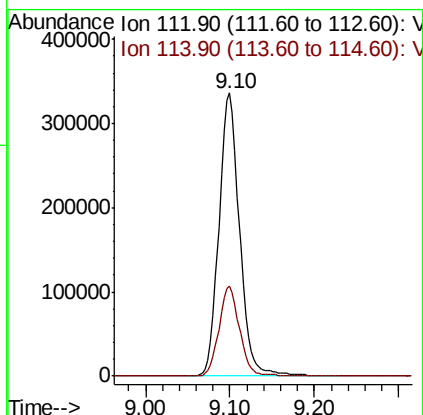
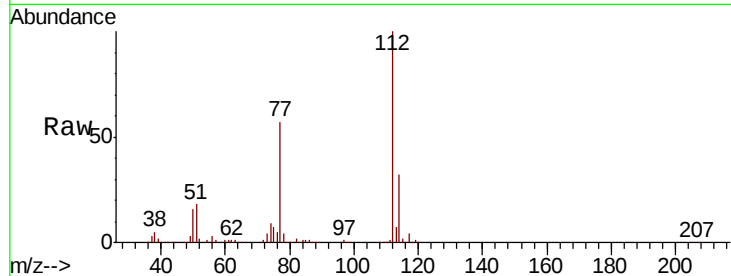




#65
Chlorobenzene
Concen: 49.887 ug/l
RT: 9.10 min Scan# 2491
Delta R.T. 0.00 min
Lab File: VU034346.D
Acq: 06 Sep 2019 21:36

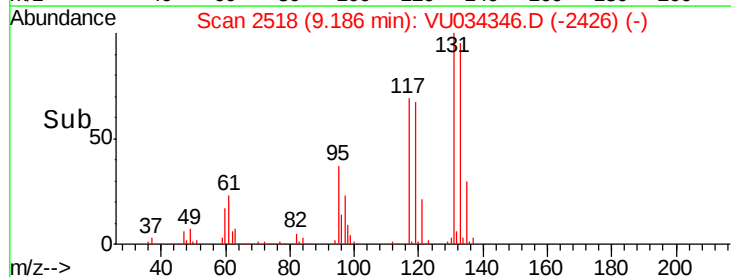
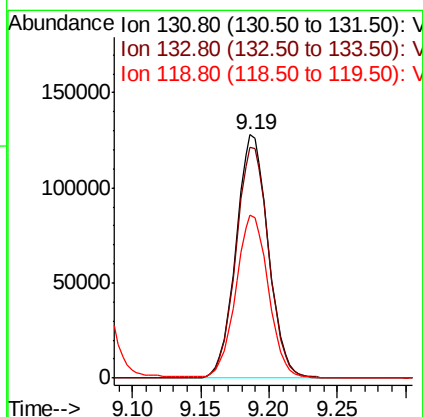
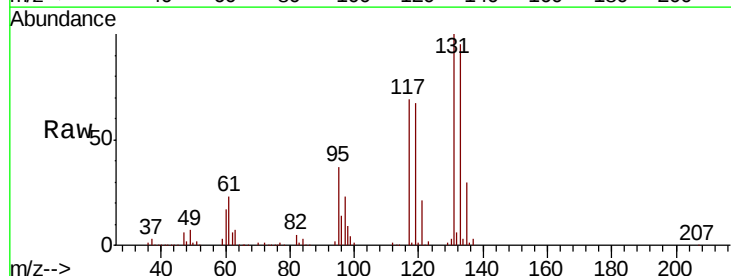
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

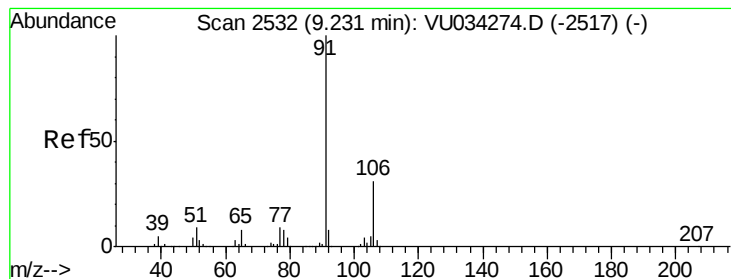
Tgt Ion:112 Resp: 571529
Ion Ratio Lower Upper
112 100
114 31.8 25.9 38.9



#66
1,1,1,2-Tetrachloroethane
Concen: 48.208 ug/l
RT: 9.19 min Scan# 2518
Delta R.T. -0.00 min
Lab File: VU034346.D
Acq: 06 Sep 2019 21:36

Tgt Ion:131 Resp: 210776
Ion Ratio Lower Upper
131 100
133 96.5 47.9 143.7
119 66.7 33.1 99.5





#67

Ethyl Benzene

Concen: 51.293 ug/l

RT: 9.23 min Scan# 2531

Delta R.T. -0.00 min

Lab File: VU034346.D

Acq: 06 Sep 2019 21:36

Instrument :

MSVOA_U

ClientSampleId :

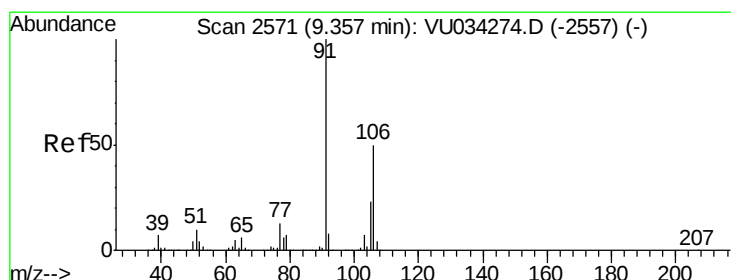
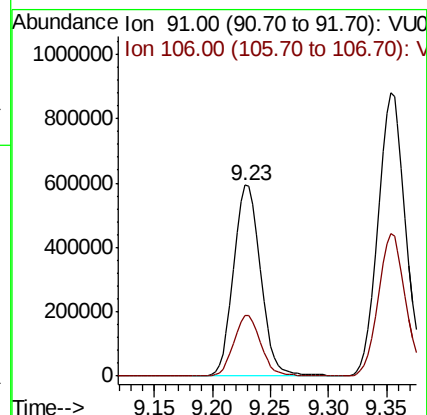
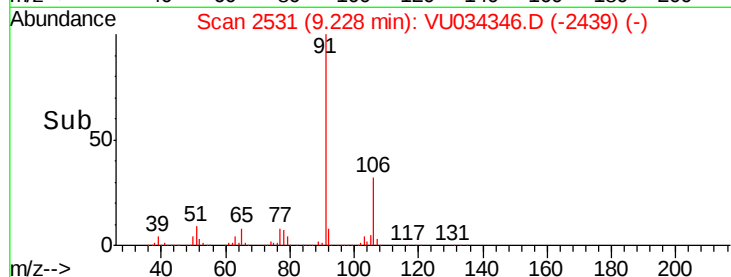
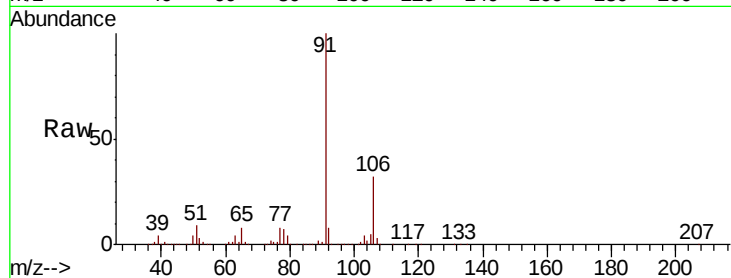
VSTDCCC050

Tgt Ion: 91 Resp: 960826

Ion Ratio Lower Upper

91 100

106 31.5 24.8 37.2



#68

m/p-Xylenes

Concen: 104.467 ug/l

RT: 9.35 min Scan# 2570

Delta R.T. -0.00 min

Lab File: VU034346.D

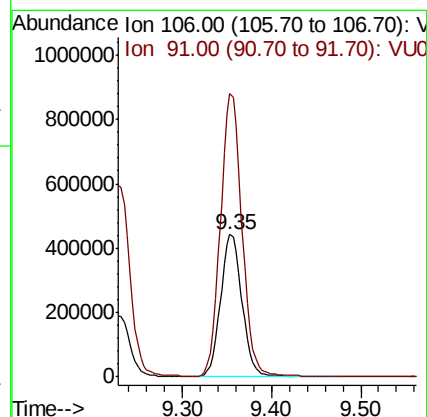
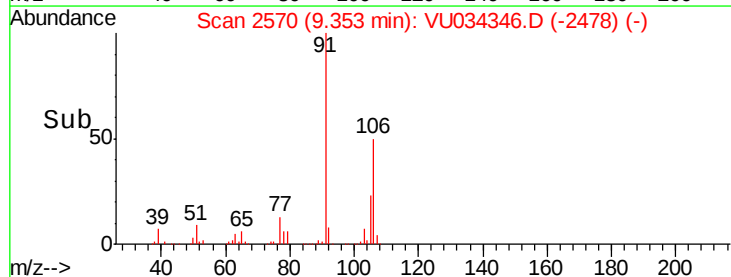
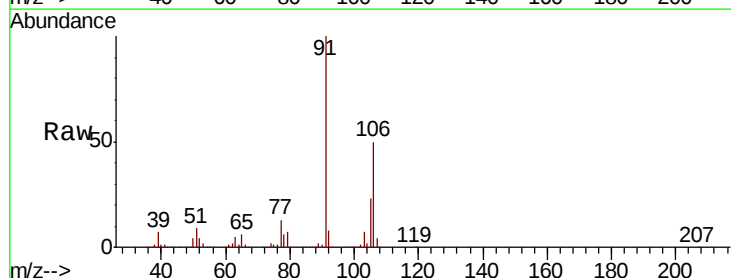
Acq: 06 Sep 2019 21:36

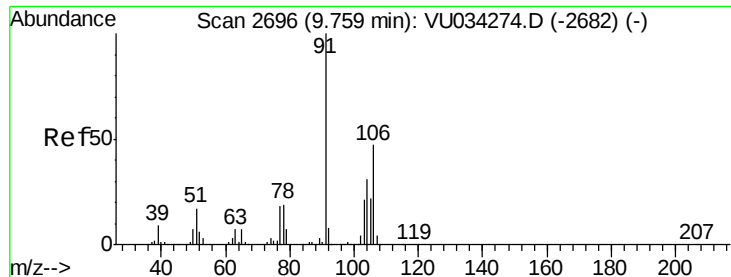
Tgt Ion: 106 Resp: 736890

Ion Ratio Lower Upper

106 100

91 200.1 160.1 240.1

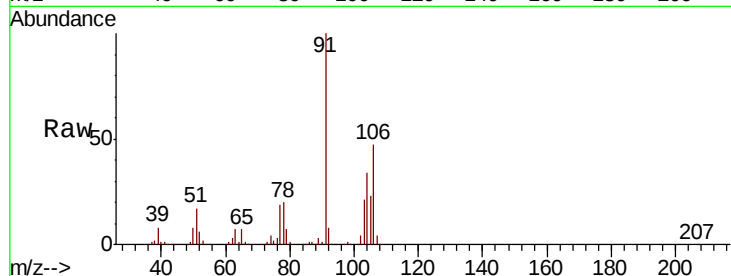




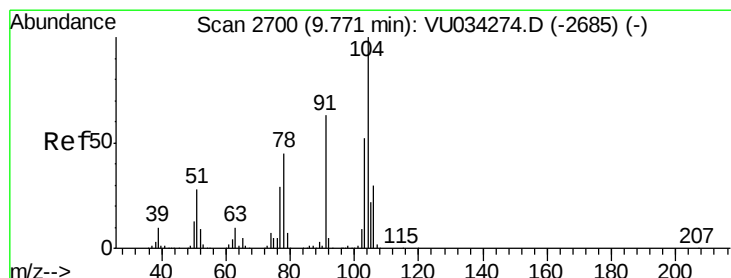
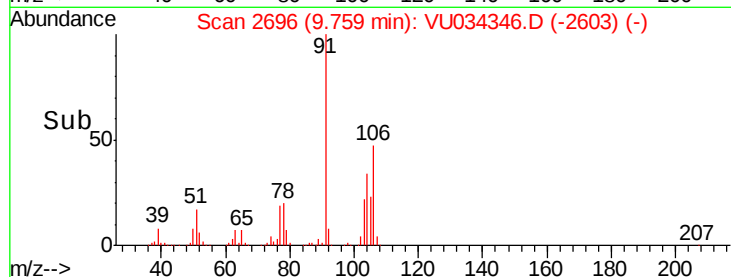
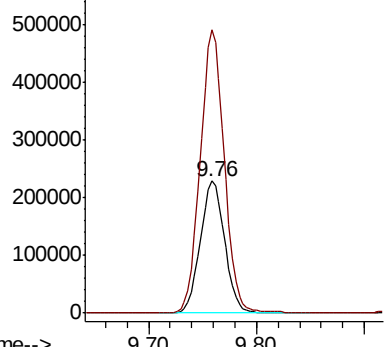
#69
o-Xylene
Concen: 52.601 ug/l
RT: 9.76 min Scan# 2696
Delta R.T. 0.00 min
Lab File: VU034346.D
Acq: 06 Sep 2019 21:36

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tgt Ion:106 Resp: 362856
Ion Ratio Lower Upper
106 100
91 210.7 105.1 315.3

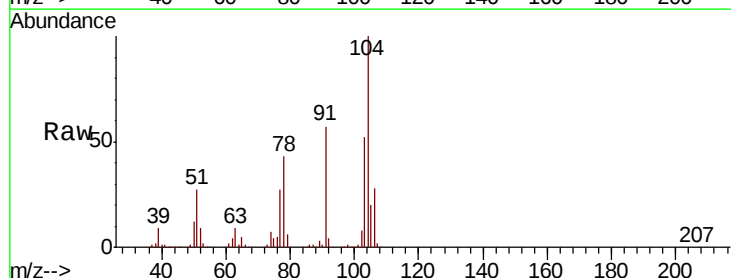


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VU0

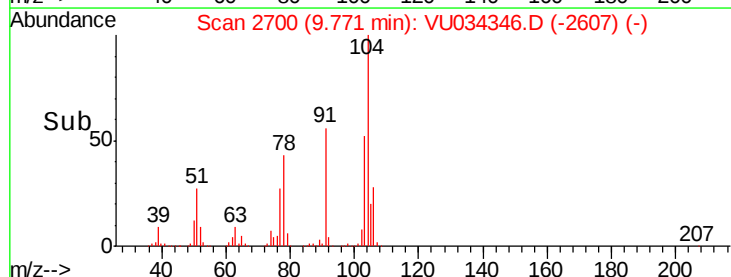
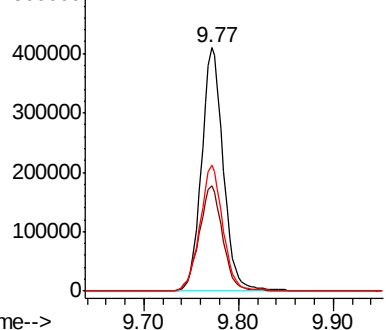


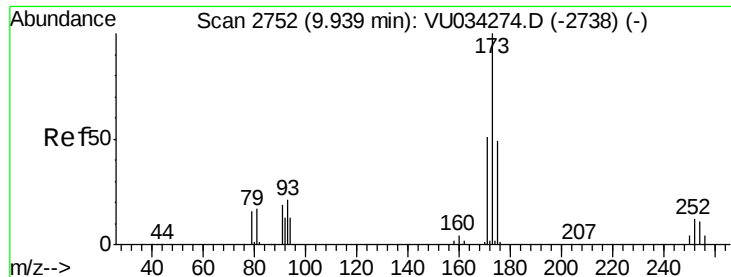
#70
Styrene
Concen: 54.055 ug/l
RT: 9.77 min Scan# 2700
Delta R.T. 0.00 min
Lab File: VU034346.D
Acq: 06 Sep 2019 21:36

Tgt Ion:104 Resp: 653775
Ion Ratio Lower Upper
104 100
78 47.2 38.6 57.8
103 54.7 44.2 66.4



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





#71

Bromoform

Concen: 49.412 ug/l

RT: 9.94 min Scan# 2752

Delta R.T. 0.00 min

Lab File: VU034346.D

Acq: 06 Sep 2019 21:36

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

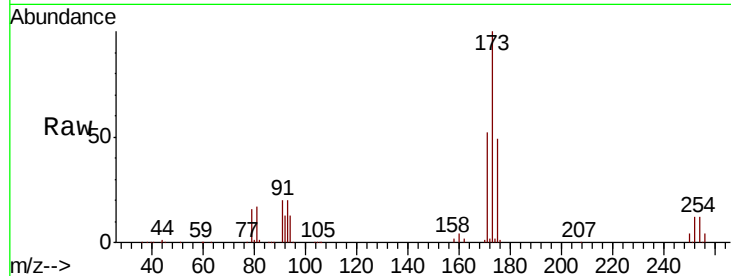
Tgt Ion:173 Resp: 187234

Ion Ratio Lower Upper

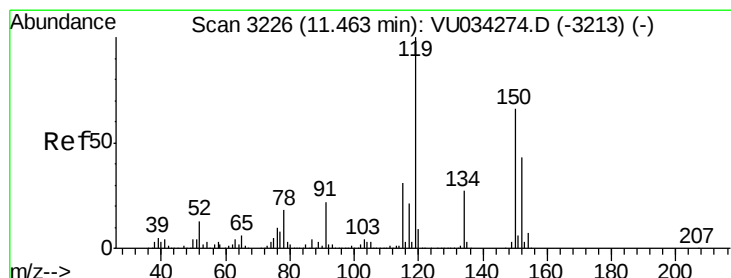
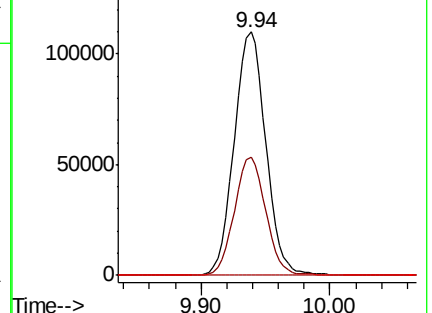
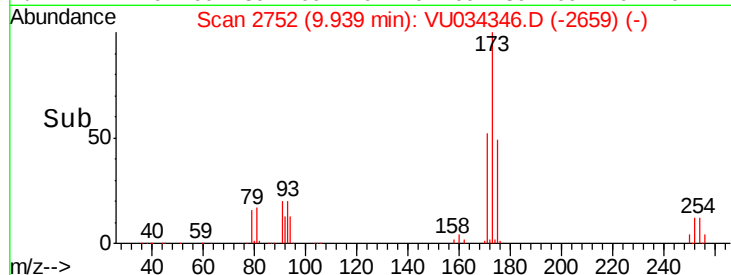
173 100

175 48.3 24.4 73.2

254 0.2 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: VU034346.D

Acq: 06 Sep 2019 21:36

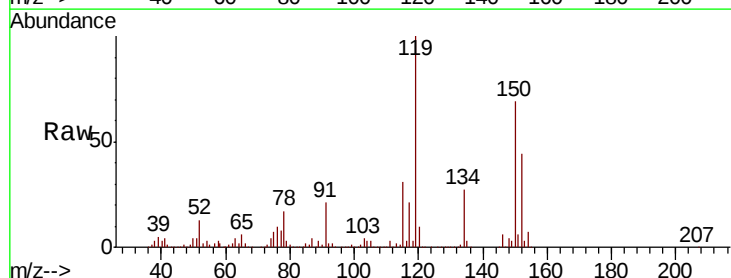
Tgt Ion:152 Resp: 293455

Ion Ratio Lower Upper

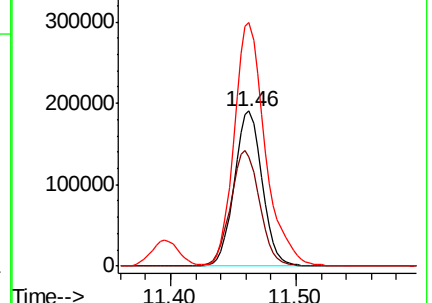
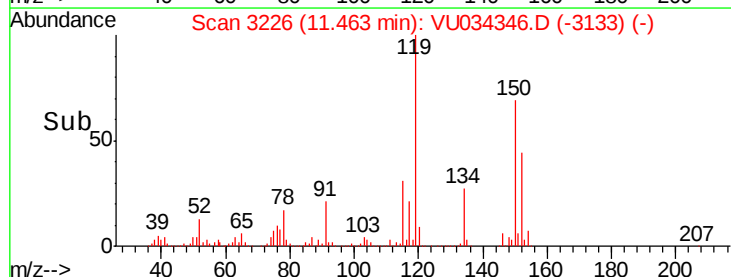
152 100

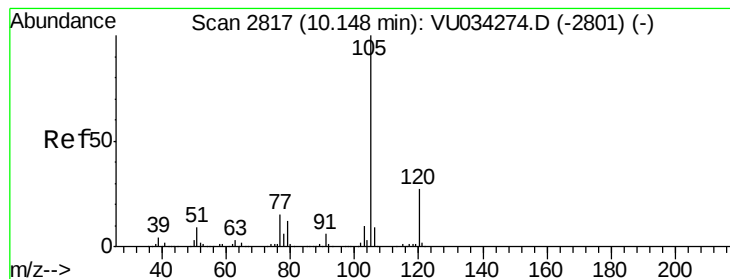
115 77.7 39.1 117.3

150 174.1 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: 52.292 ug/l

RT: 10.14 min Scan# 2816

Delta R.T. -0.00 min

Lab File: VU034346.D

Acq: 06 Sep 2019 21:36

Instrument :

MSVOA_U

ClientSampleId :

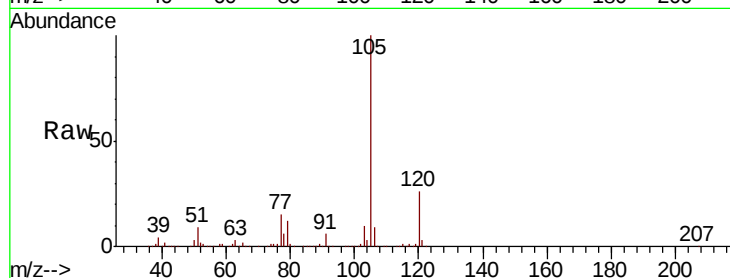
VSTDCCC050

Tgt Ion: 105 Resp: 998647

Ion Ratio Lower Upper

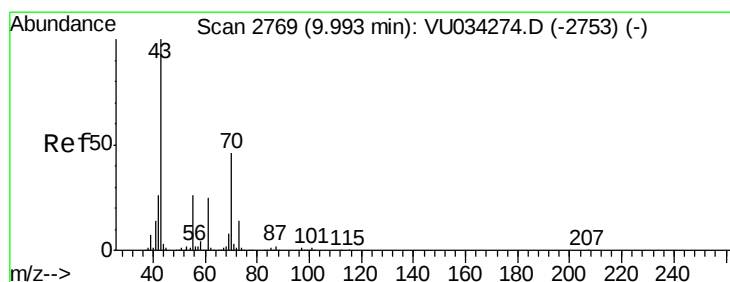
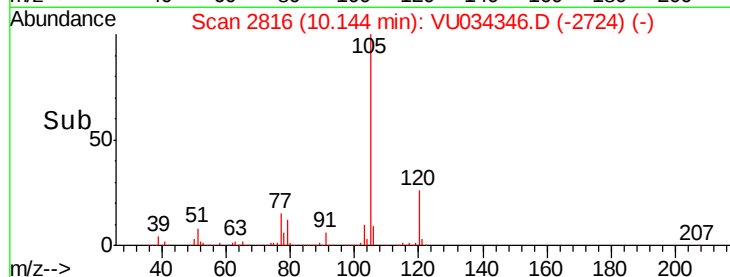
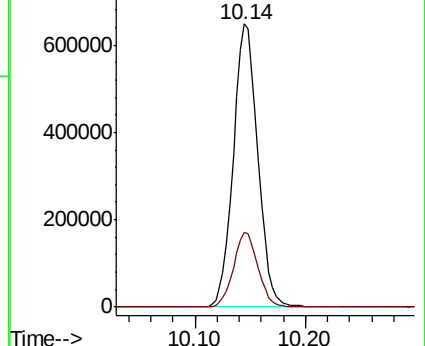
105 100

120 26.4 13.4 40.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 54.265 ug/l

RT: 9.99 min Scan# 2769

Delta R.T. 0.00 min

Lab File: VU034346.D

Acq: 06 Sep 2019 21:36

Tgt Ion: 43 Resp: 417145

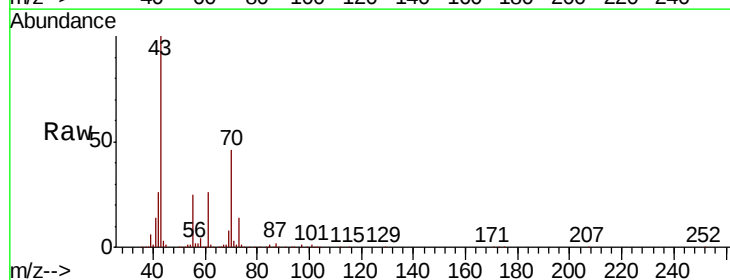
Ion Ratio Lower Upper

43 100

70 46.1 36.4 54.6

55 25.5 21.2 31.8

61 26.3 20.4 30.6

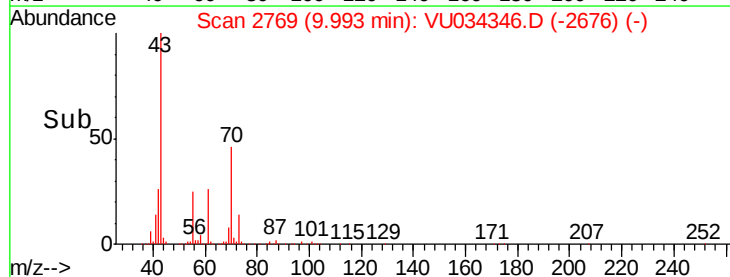
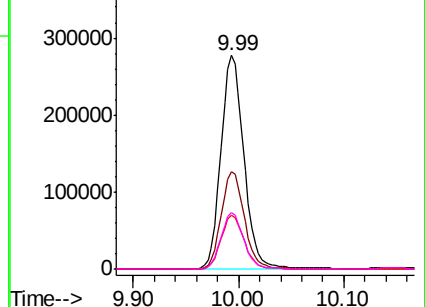


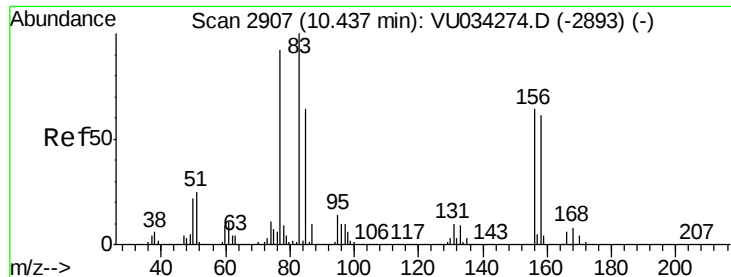
Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 70.00 (69.70 to 70.70): VU0

Ion 55.00 (54.70 to 55.70): VU0

Ion 61.00 (60.70 to 61.70): VU0





#75

1,1,2,2-Tetrachloroethane

Concen: 48.135 ug/l

RT: 10.44 min Scan# 2907

Delta R.T. 0.00 min

Lab File: VU034346.D

Acq: 06 Sep 2019 21:36

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

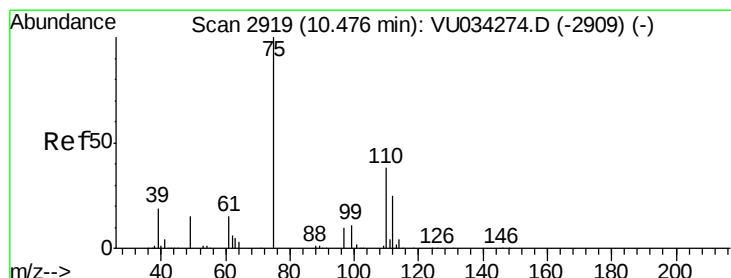
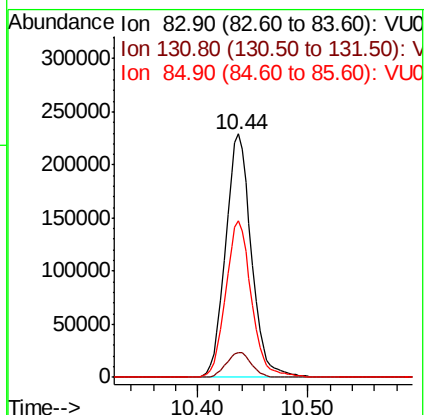
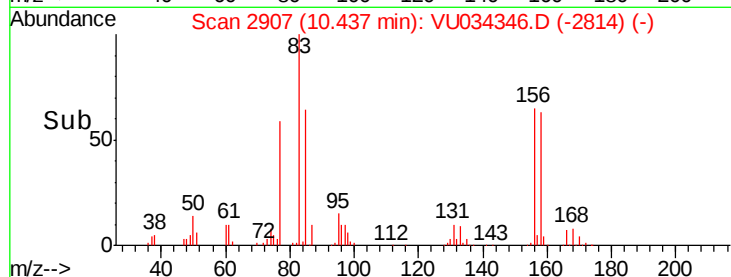
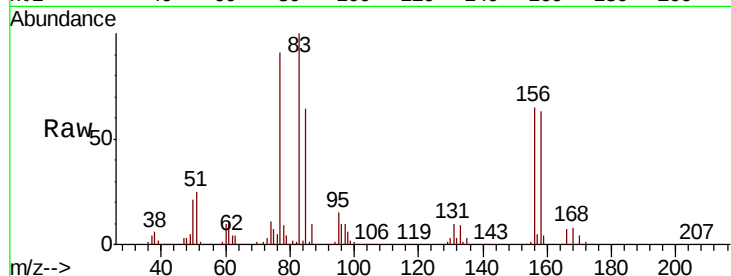
Tgt Ion: 83 Resp: 372094

Ion Ratio Lower Upper

83 100

131 10.1 5.1 15.2

85 64.1 32.0 96.2



#76

1,2,3-Trichloropropane

Concen: 62.606 ug/l

RT: 10.47 min Scan# 2918

Delta R.T. -0.00 min

Lab File: VU034346.D

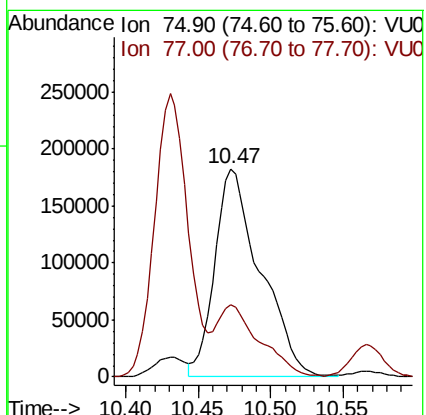
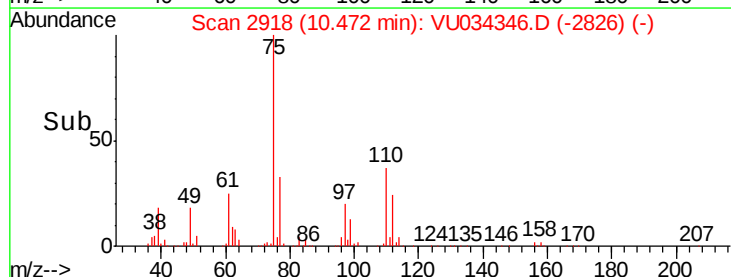
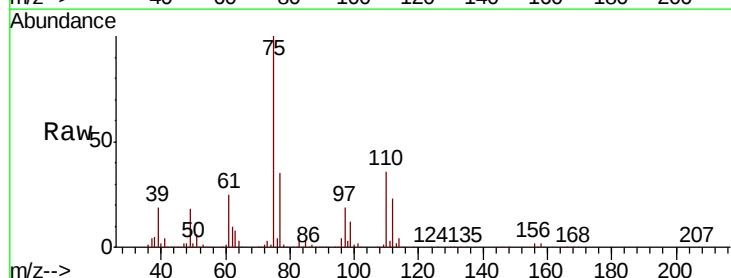
Acq: 06 Sep 2019 21:36

Tgt Ion: 75 Resp: 401032

Ion Ratio Lower Upper

75 100

77 31.2 20.8 62.2

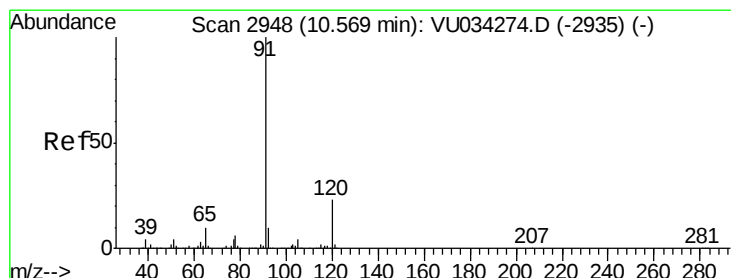
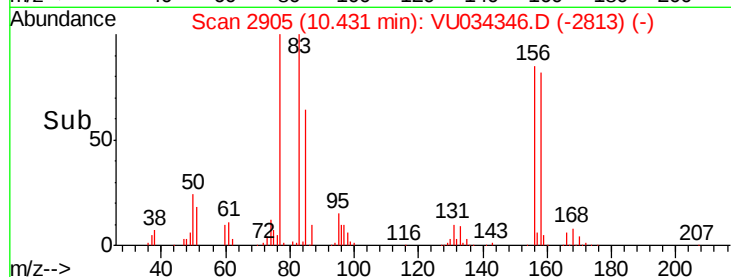
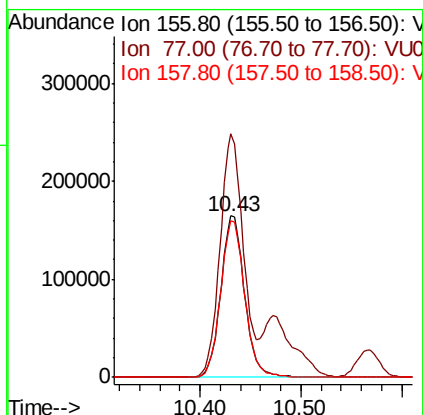
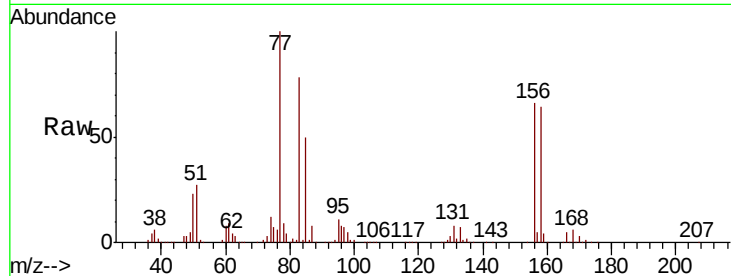




#77
Bromobenzene
Concen: 50.795 ug/l
RT: 10.43 min Scan# 2905
Delta R.T. -0.00 min
Lab File: VU034346.D
Acq: 06 Sep 2019 21:36

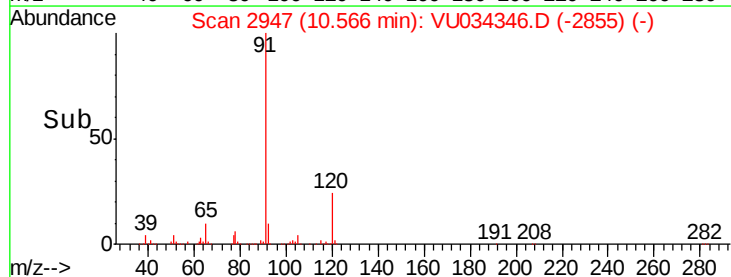
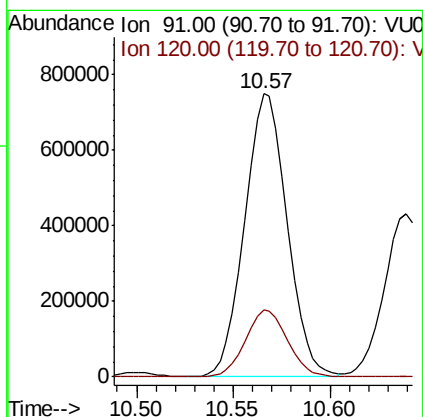
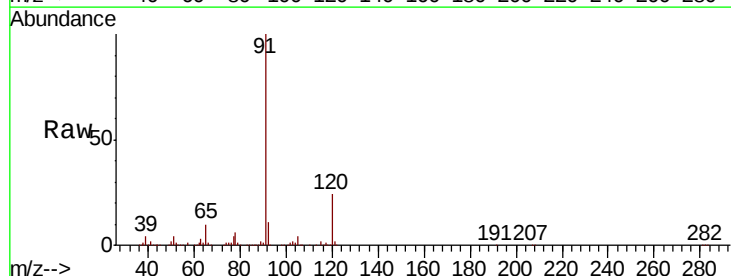
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

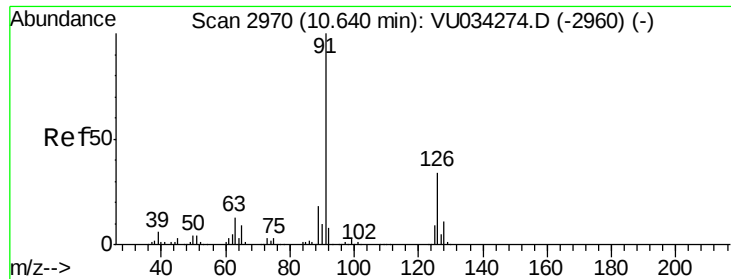
Tgt Ion:156 Resp: 271236
Ion Ratio Lower Upper
156 100
77 147.1 75.6 226.9
158 98.4 48.2 144.6



#78
n-propylbenzene
Concen: 51.912 ug/l
RT: 10.57 min Scan# 2947
Delta R.T. -0.00 min
Lab File: VU034346.D
Acq: 06 Sep 2019 21:36

Tgt Ion: 91 Resp: 1144942
Ion Ratio Lower Upper
91 100
120 23.6 11.7 35.0

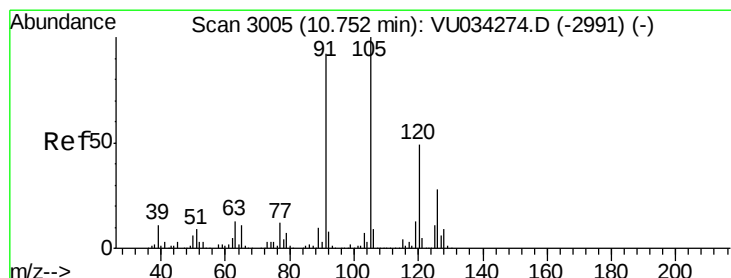
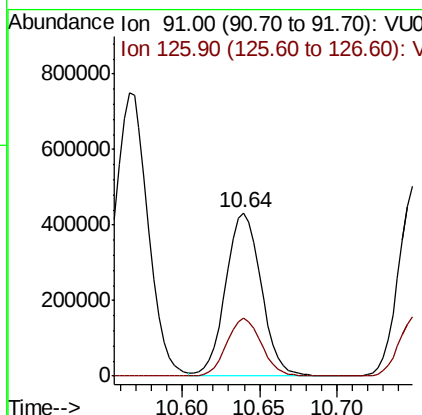
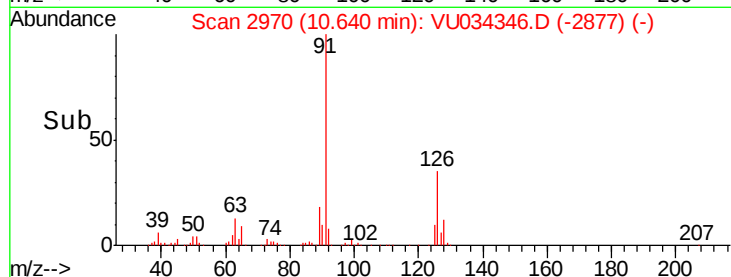
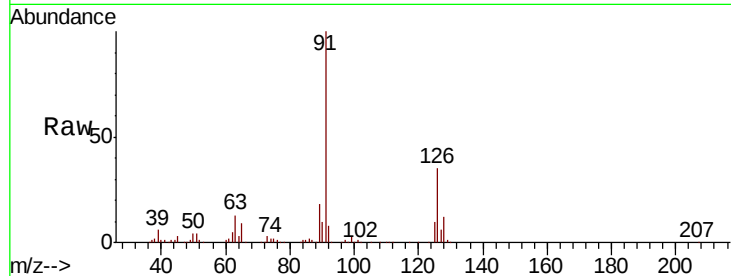




#79
 2-Chlorotoluene
 Concen: 51.049 ug/l
 RT: 10.64 min Scan# 2970
 Delta R.T. 0.00 min
 Lab File: VU034346.D
 Acq: 06 Sep 2019 21:36

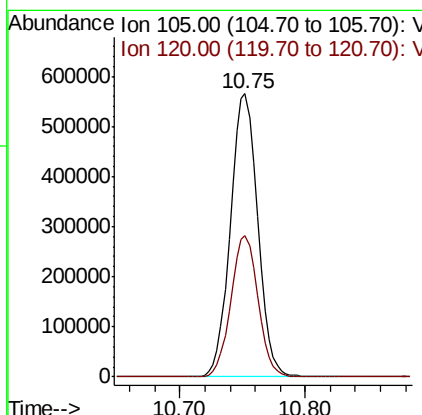
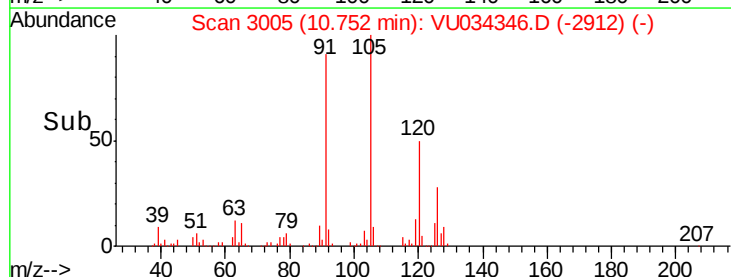
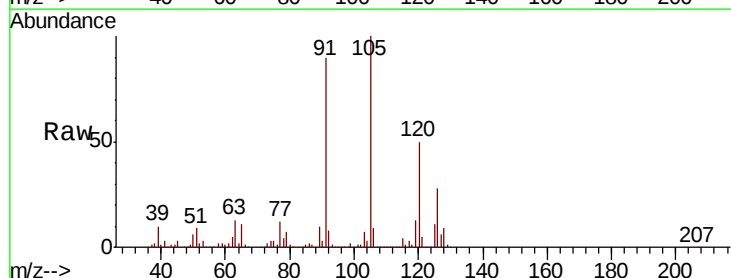
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

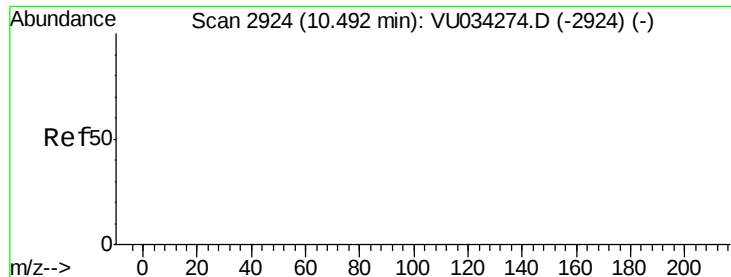
Tgt Ion: 91 Resp: 686991
 Ion Ratio Lower Upper
 91 100
 126 34.9 17.3 51.9



#80
 1,3,5-Trimethylbenzene
 Concen: 53.497 ug/l
 RT: 10.75 min Scan# 3005
 Delta R.T. 0.00 min
 Lab File: VU034346.D
 Acq: 06 Sep 2019 21:36

Tgt Ion: 105 Resp: 854447
 Ion Ratio Lower Upper
 105 100
 120 49.6 24.9 74.7





#81

trans-1,4-Dichloro-2-butene

Concen: 210.541 ug/l

RT: 10.47 min Scan# 2918

Delta R.T. -0.02 min

Lab File: VU034346.D

Acq: 06 Sep 2019 21:36

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

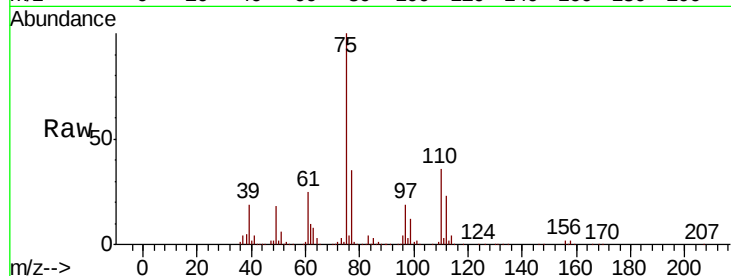
Tgt Ion: 75 Resp: 401032

Ion Ratio Lower Upper

75 100

53 0.0 0.0 0.0

89 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 53.00 (52.70 to 53.70): VU0

Ion 88.90 (88.60 to 89.60): VU0

250000

200000

150000

100000

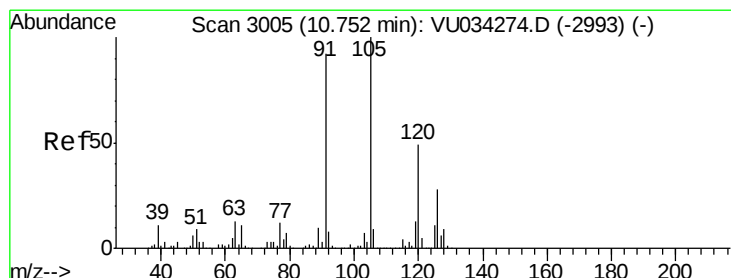
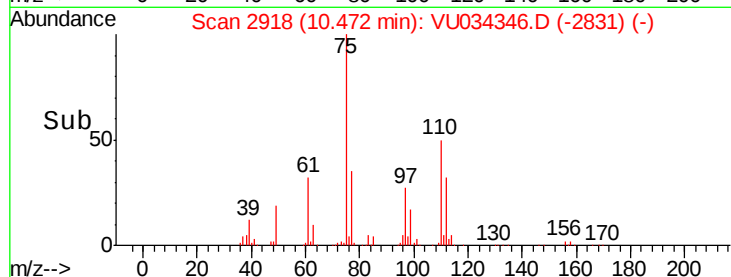
50000

0

10.47

10.40 10.45 10.50 10.55

Time-->



#82

4-Chlorotoluene

Concen: 51.512 ug/l

RT: 10.75 min Scan# 3005

Delta R.T. 0.00 min

Lab File: VU034346.D

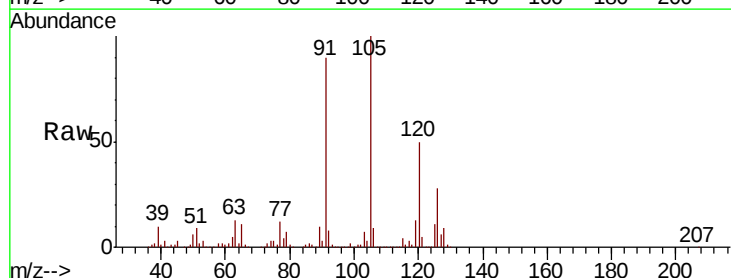
Acq: 06 Sep 2019 21:36

Tgt Ion: 91 Resp: 797757

Ion Ratio Lower Upper

91 100

126 31.2 15.3 45.8



Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 125.90 (125.60 to 126.60): V

600000

500000

400000

300000

200000

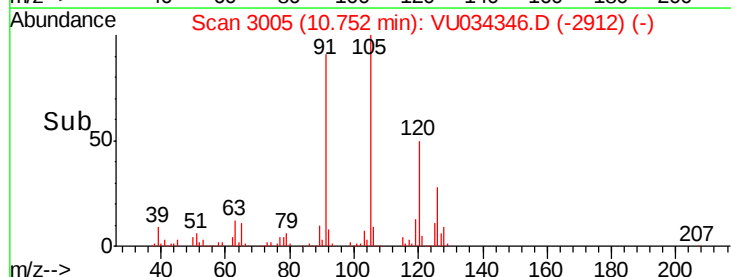
100000

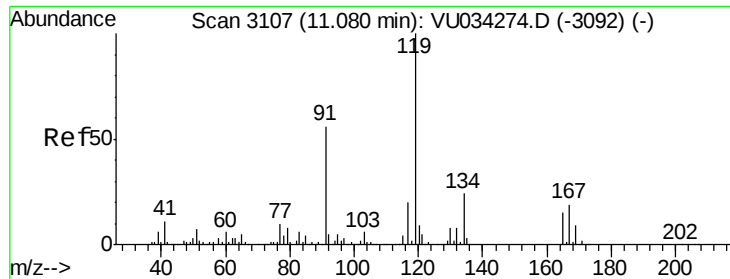
0

10.75

10.70 10.80 10.90

Time-->

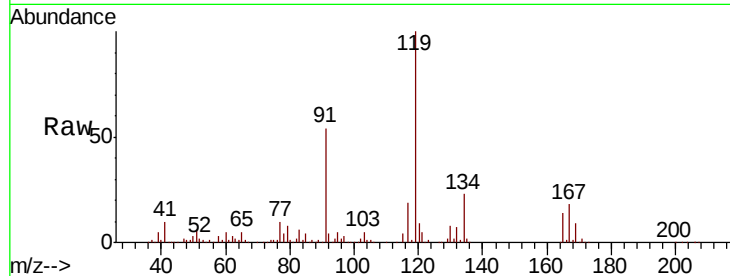




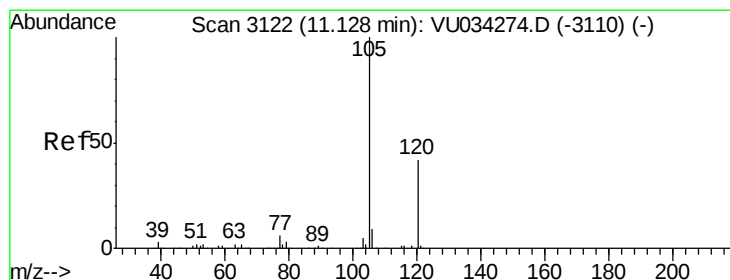
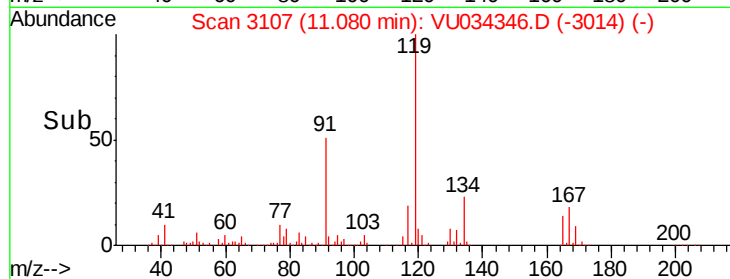
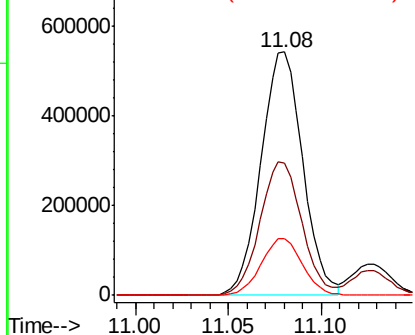
#83
 tert-Butylbenzene
 Concen: 53.187 ug/l
 RT: 11.08 min Scan# 3107
 Delta R.T. 0.00 min
 Lab File: VU034346.D
 Acq: 06 Sep 2019 21:36

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

Tgt Ion:119 Resp: 849825
 Ion Ratio Lower Upper
 119 100
 91 54.6 27.8 83.4
 134 23.0 11.7 35.0

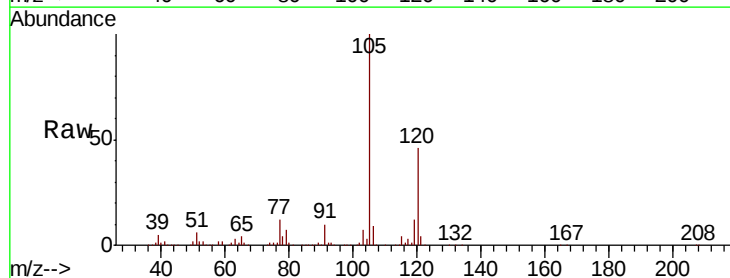


Abundance Ion 119.00 (118.70 to 119.70): V
 Ion 91.00 (90.70 to 91.70): VU0
 Ion 134.00 (133.70 to 134.70): V

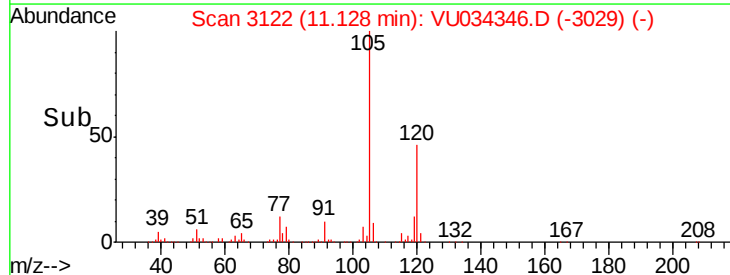
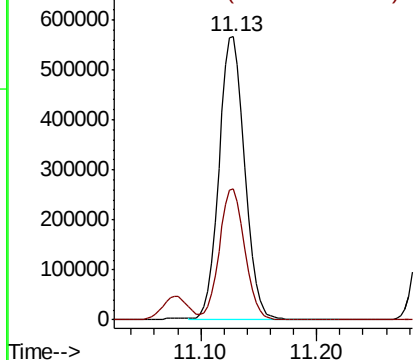


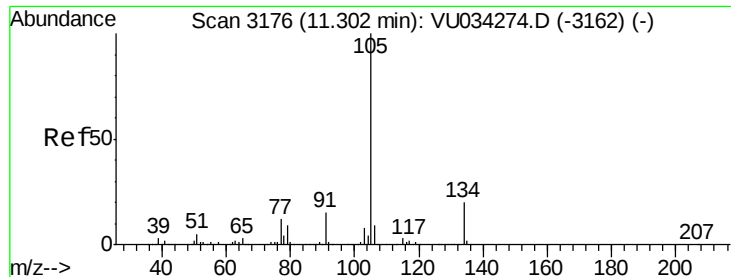
#84
 1,2,4-Trimethylbenzene
 Concen: 53.897 ug/l
 RT: 11.13 min Scan# 3122
 Delta R.T. 0.00 min
 Lab File: VU034346.D
 Acq: 06 Sep 2019 21:36

Tgt Ion:105 Resp: 866529
 Ion Ratio Lower Upper
 105 100
 120 45.9 22.9 68.8



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

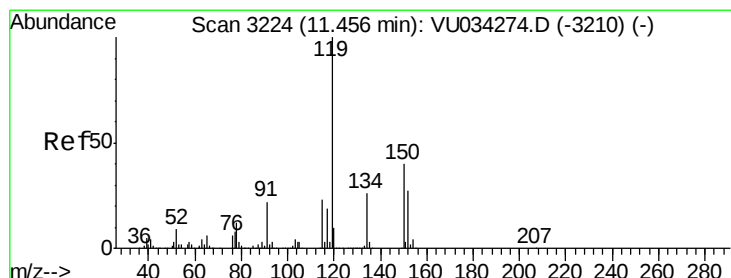
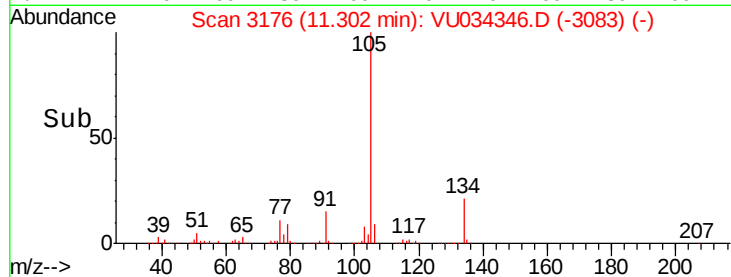
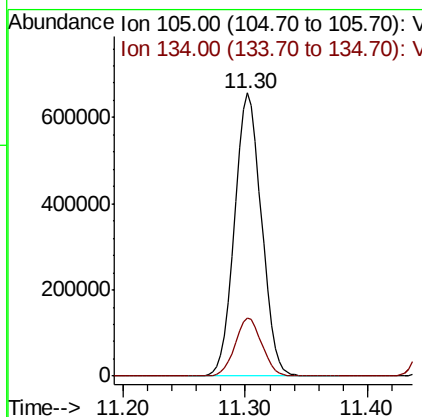
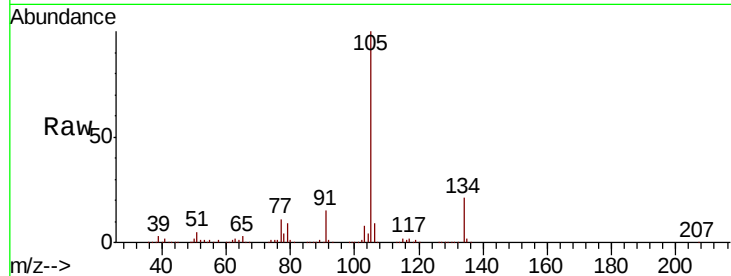




#85
 sec-Butylbenzene
 Concen: 53.163 ug/l
 RT: 11.30 min Scan# 3176
 Delta R.T. 0.00 min
 Lab File: VU034346.D
 Acq: 06 Sep 2019 21:36

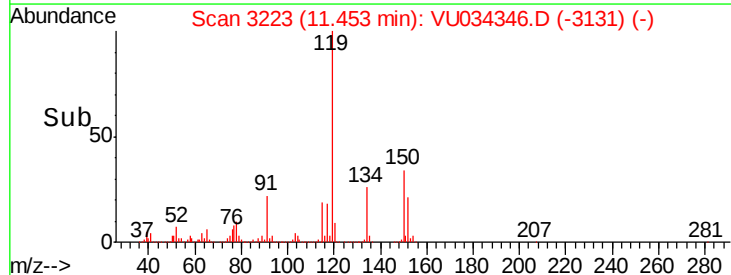
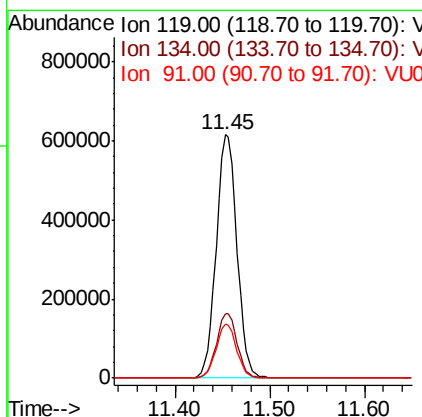
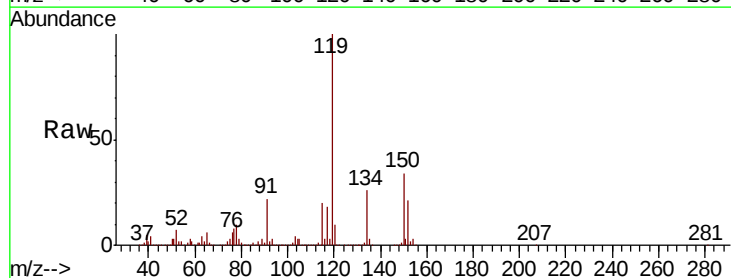
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

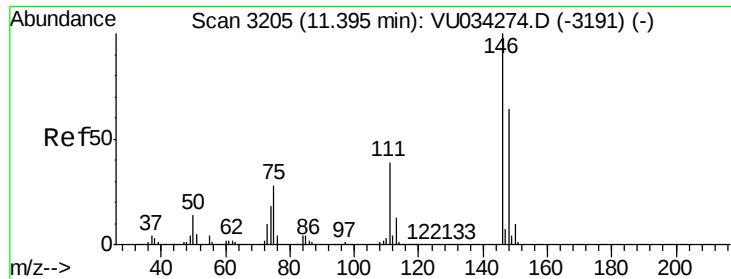
Tgt Ion:105 Resp: 1002825
 Ion Ratio Lower Upper
 105 100
 134 20.4 10.1 30.3



#86
 p-Isopropyltoluene
 Concen: 53.407 ug/l
 RT: 11.45 min Scan# 3223
 Delta R.T. -0.00 min
 Lab File: VU034346.D
 Acq: 06 Sep 2019 21:36

Tgt Ion:119 Resp: 929833
 Ion Ratio Lower Upper
 119 100
 134 26.4 13.3 39.8
 91 22.0 11.2 33.6

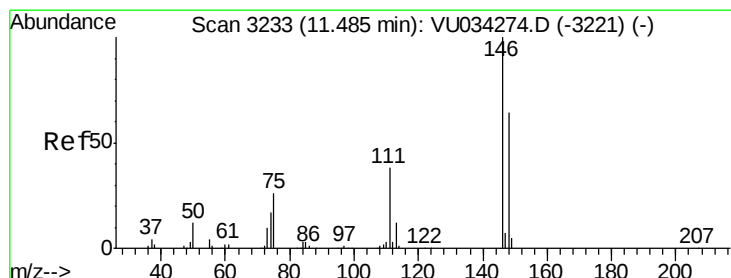
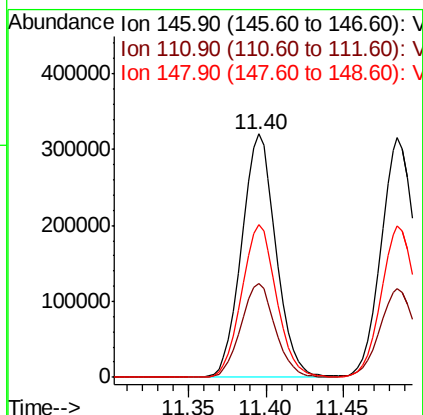
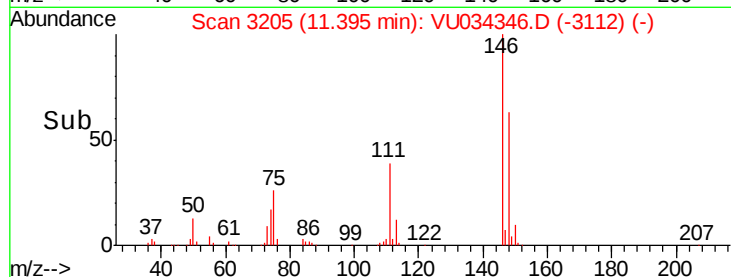
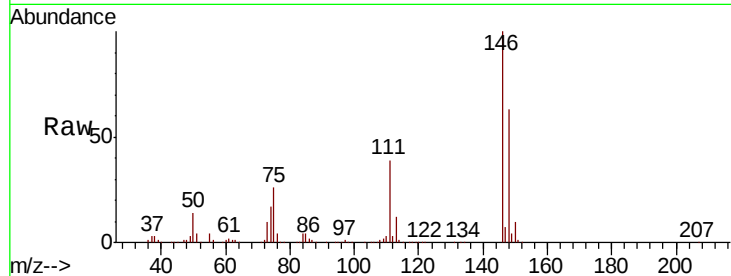




#87
 1,3-Dichlorobenzene
 Concen: 50.739 ug/l
 RT: 11.40 min Scan# 3205
 Delta R.T. 0.00 min
 Lab File: VU034346.D
 Acq: 06 Sep 2019 21:36

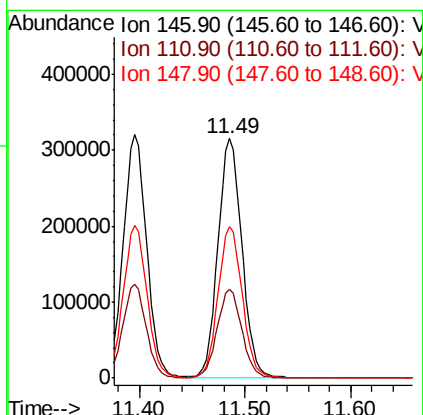
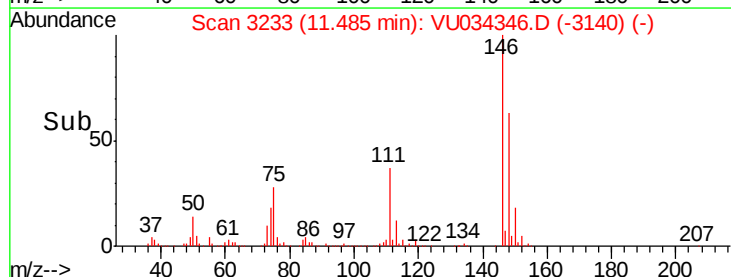
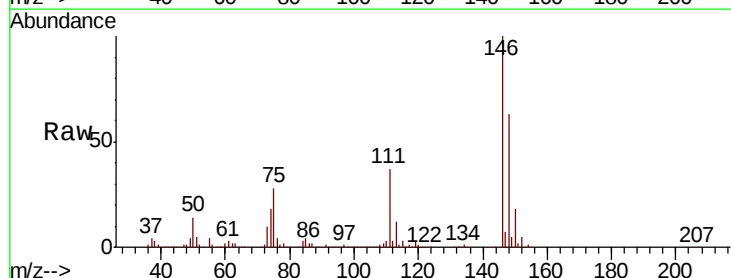
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

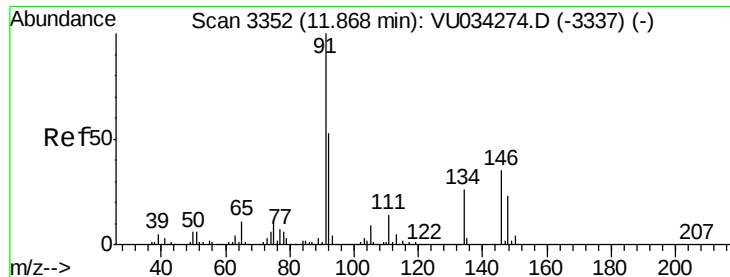
Tgt Ion:146 Resp: 494404
 Ion Ratio Lower Upper
 146 100
 111 38.4 19.5 58.5
 148 63.7 32.1 96.3



#88
 1,4-Dichlorobenzene
 Concen: 48.947 ug/l
 RT: 11.49 min Scan# 3233
 Delta R.T. 0.00 min
 Lab File: VU034346.D
 Acq: 06 Sep 2019 21:36

Tgt Ion:146 Resp: 497464
 Ion Ratio Lower Upper
 146 100
 111 38.0 19.1 57.3
 148 63.6 32.0 96.0

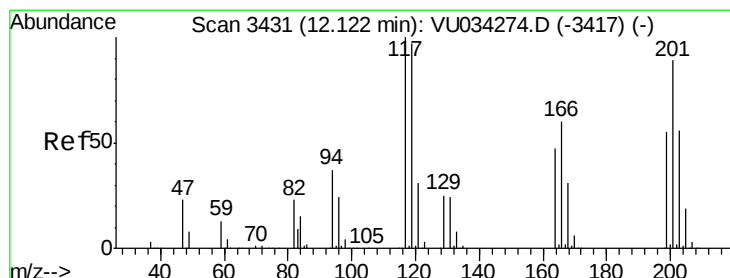
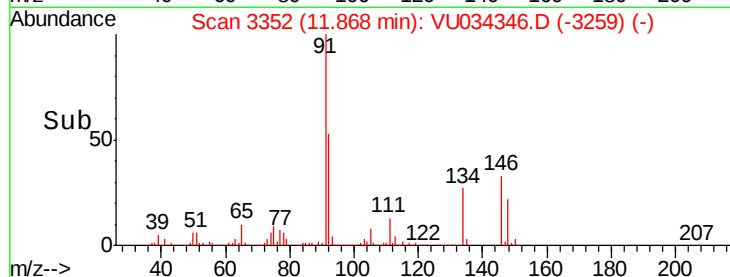
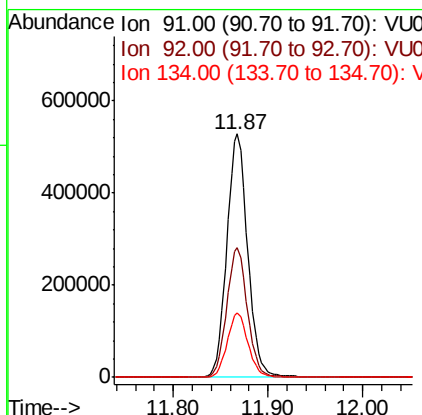
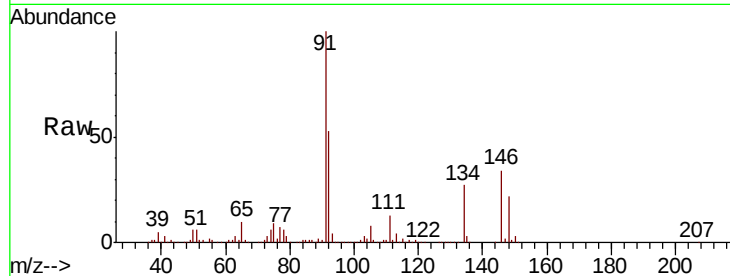




#89
n-Butylbenzene
Concen: 53.487 ug/l
RT: 11.87 min Scan# 3352
Delta R.T. 0.00 min
Lab File: VU034346.D
Acq: 06 Sep 2019 21:36

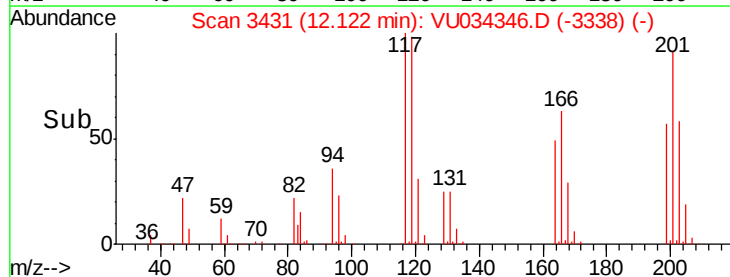
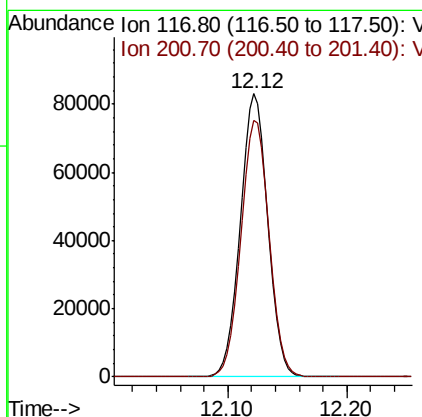
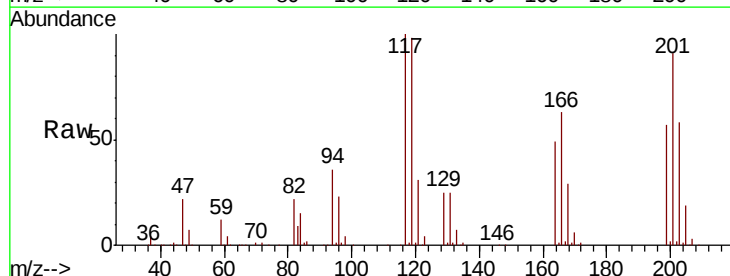
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

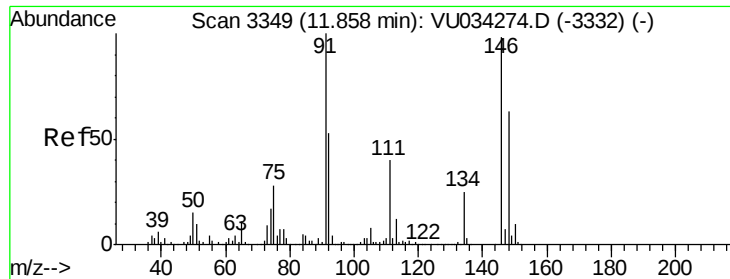
Tgt Ion: 91 Resp: 809259
Ion Ratio Lower Upper
91 100
92 53.2 26.5 79.4
134 26.5 13.2 39.6



#90
Hexachloroethane
Concen: 47.702 ug/l
RT: 12.12 min Scan# 3431
Delta R.T. 0.00 min
Lab File: VU034346.D
Acq: 06 Sep 2019 21:36

Tgt Ion: 117 Resp: 132873
Ion Ratio Lower Upper
117 100
201 92.6 44.1 132.4

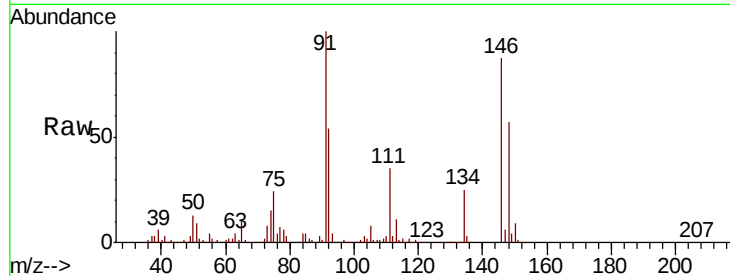




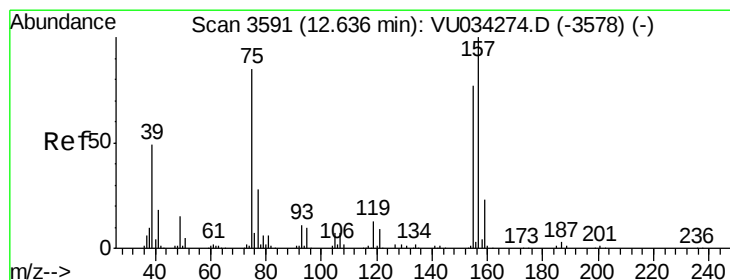
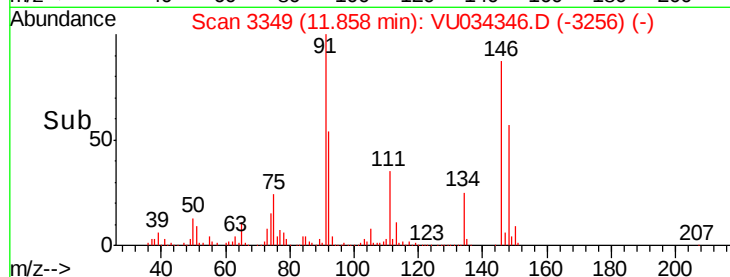
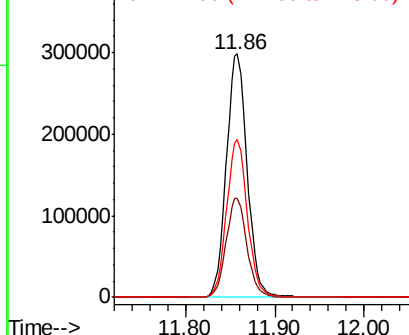
#91
 1,2-Dichlorobenzene
 Concen: 50.374 ug/l
 RT: 11.86 min Scan# 3349
 Delta R.T. 0.00 min
 Lab File: VU034346.D
 Acq: 06 Sep 2019 21:36

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

Tgt Ion: 146 Resp: 482398
 Ion Ratio Lower Upper
 146 100
 111 40.6 20.0 60.0
 148 64.7 31.6 94.8

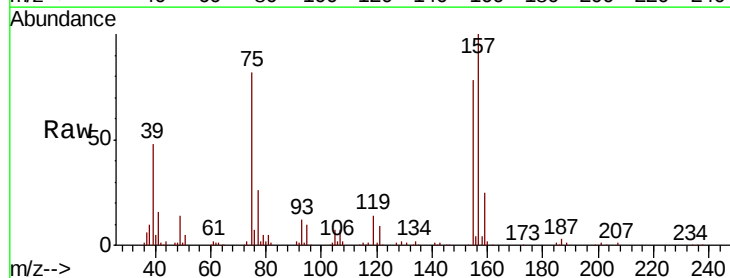


Abundance Ion 145.90 (145.60 to 146.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

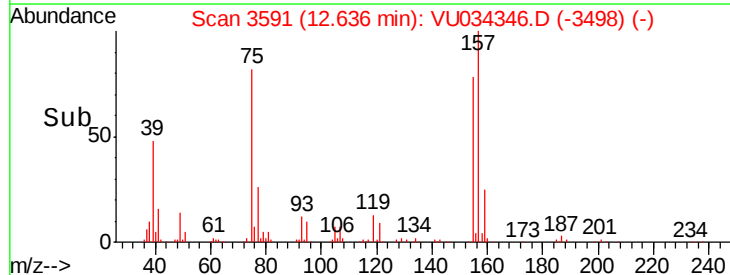
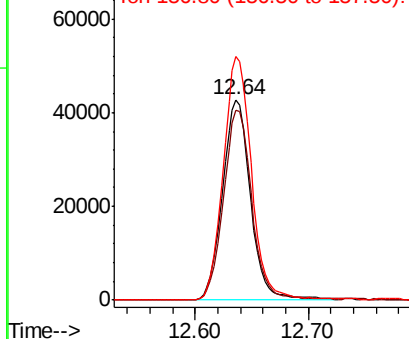


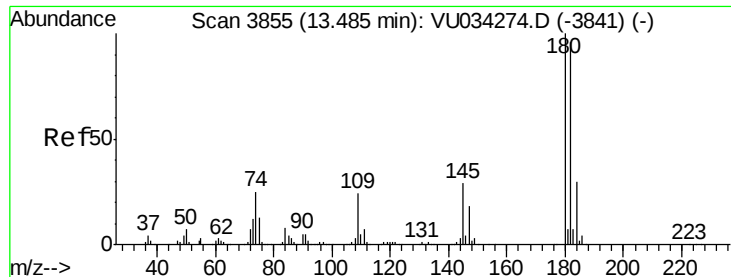
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 52.065 ug/l
 RT: 12.64 min Scan# 3591
 Delta R.T. 0.00 min
 Lab File: VU034346.D
 Acq: 06 Sep 2019 21:36

Tgt Ion: 75 Resp: 73957
 Ion Ratio Lower Upper
 75 100
 155 96.0 44.6 134.0
 157 121.7 58.2 174.6



Abundance Ion 74.90 (74.60 to 75.60): VU0
 Ion 154.80 (154.50 to 155.50): V
 Ion 156.80 (156.50 to 157.50): V

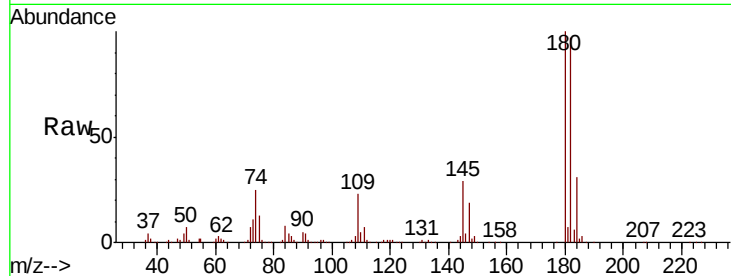




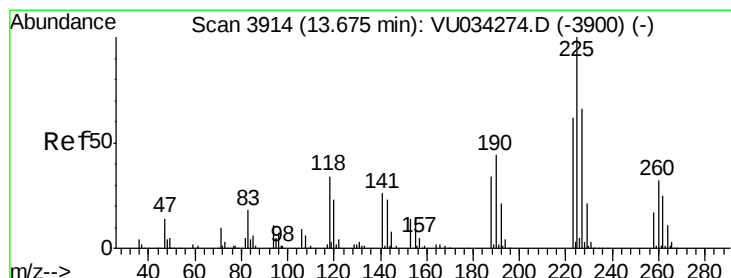
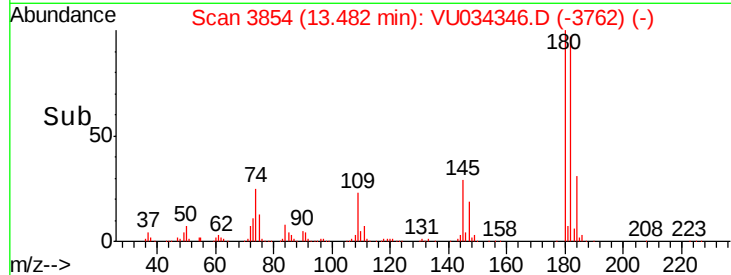
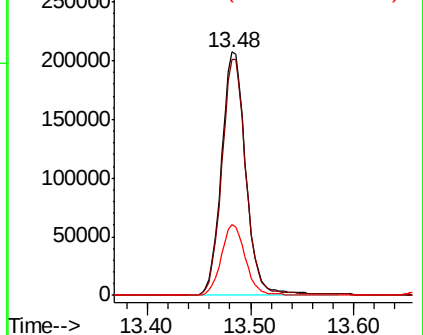
#93
 1,2,4-Trichlorobenzene
 Concen: 49.274 ug/l
 RT: 13.48 min Scan# 3854
 Delta R.T. -0.00 min
 Lab File: VU034346.D
 Acq: 06 Sep 2019 21:36

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

Tgt Ion:180 Resp: 341845
 Ion Ratio Lower Upper
 180 100
 182 97.0 47.9 143.8
 145 28.8 14.4 43.0

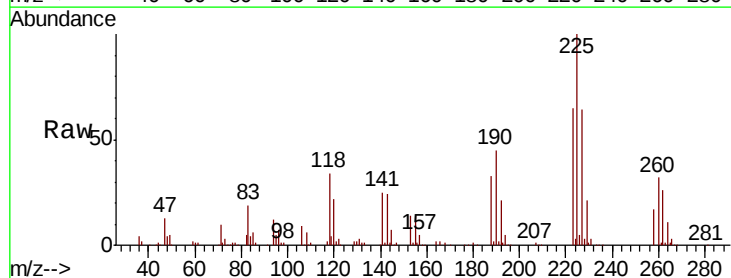


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

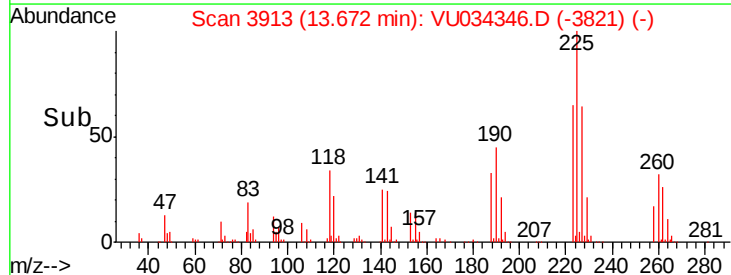
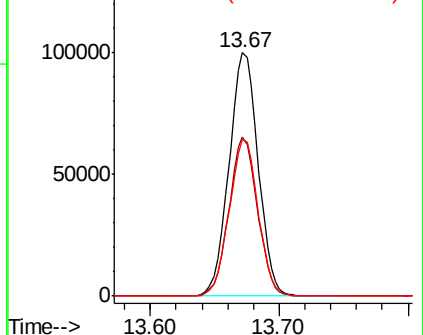


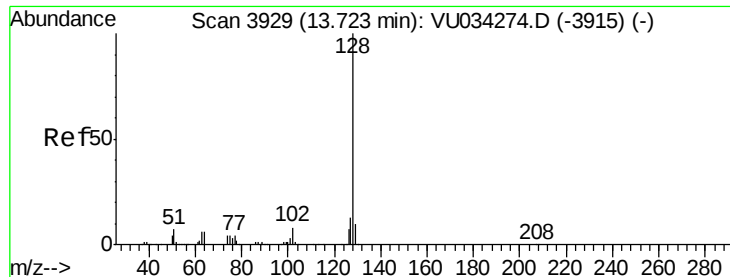
#94
 Hexachlorobutadiene
 Concen: 46.768 ug/l
 RT: 13.67 min Scan# 3913
 Delta R.T. -0.00 min
 Lab File: VU034346.D
 Acq: 06 Sep 2019 21:36

Tgt Ion:225 Resp: 156662
 Ion Ratio Lower Upper
 225 100
 223 64.1 31.6 94.7
 227 63.9 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

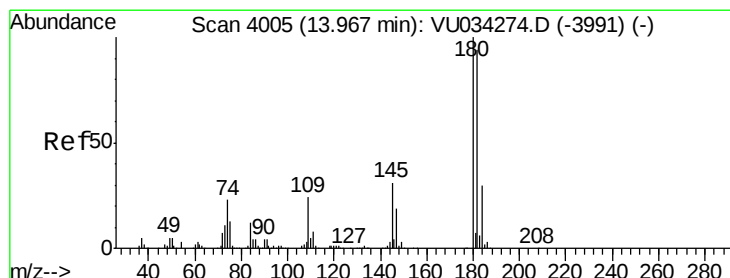
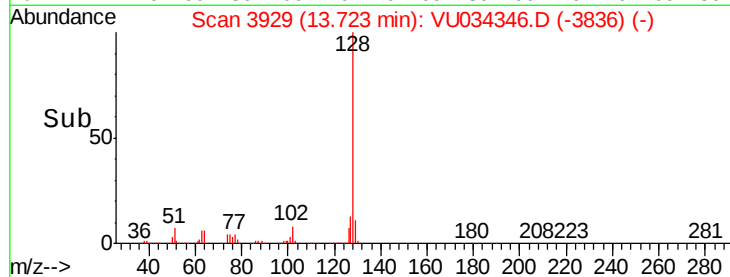
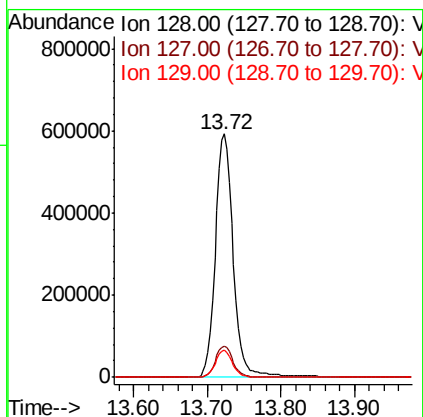
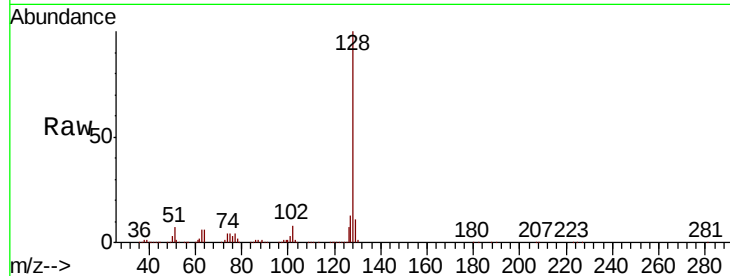




#95
Naphthalene
Concen: 50.876 ug/l
RT: 13.72 min Scan# 3929
Delta R.T. 0.00 min
Lab File: VU034346.D
Acq: 06 Sep 2019 21:36

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
128	100		
127	12.7	10.6	15.8
129	10.7	8.4	12.6



#96
1,2,3-Trichlorobenzene
Concen: 50.300 ug/l
RT: 13.97 min Scan# 4005
Delta R.T. 0.00 min
Lab File: VU034346.D
Acq: 06 Sep 2019 21:36

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.1	48.4	145.0
145	30.8	15.4	46.4

