

Data File : VU034433.D
Acq On : 09 Sep 2019 15:09
Operator : JC/SP
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Quant Time: Sep 10 05:40:57 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	269805	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.86	114	391704	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.07	117	382037	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.46	152	272176	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.29	65	200539	49.12	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.24%	
35) Dibromofluoromethane	4.86	113	184084	50.51	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.02%	
50) Toluene-d8	7.54	98	697526	50.94	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.88%	
62) 4-Bromofluorobenzene	10.29	95	266912	50.48	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.96%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	129900	46.035	ug/l	97
3) Chloromethane	1.32	50	144154	47.281	ug/l	100
4) Vinyl Chloride	1.40	62	162944	46.340	ug/l	98
5) Bromomethane	1.61	94	97287	54.935	ug/l	99
6) Chloroethane	1.69	64	104286	51.048	ug/l	97
7) Trichlorofluoromethane	1.87	101	232341	49.280	ug/l	100
8) Diethyl Ether	2.09	74	103808	50.056	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	2.27	101	152640	48.881	ug/l	98
10) Methyl Iodide	2.40	142	123634	43.793	ug/l	99
11) Tert butyl alcohol	2.82	59	226688	262.849	ug/l	100
12) 1,1-Dichloroethene	2.27	96	143312	48.820	ug/l	95
13) Acrolein	2.18	56	143844	198.444	ug/l	100
14) Allyl chloride	2.58	41	267020	47.579	ug/l	99
15) Acrylonitrile	2.92	53	558851	260.216	ug/l	98
16) Acetone	2.31	43	484047	229.131	ug/l	98
17) Carbon Disulfide	2.46	76	279591	42.378	ug/l	100
18) Methyl Acetate	2.60	43	246641	47.981	ug/l	98
19) Methyl tert-butyl Ether	2.98	73	559523	52.294	ug/l	99
20) Methylene Chloride	2.68	84	184967	53.484	ug/l	98
21) trans-1,2-Dichloroethene	2.97	96	151910	49.107	ug/l	97
22) Diisopropyl ether	3.55	45	569419	52.028	ug/l	98
23) Vinyl Acetate	3.50	43	2340083	262.491	ug/l	98
24) 1,1-Dichloroethane	3.42	63	322325	49.316	ug/l	100
25) 2-Butanone	4.24	43	735340	260.763	ug/l	99
26) 2,2-Dichloropropane	4.20	77	260754	49.604	ug/l	99
27) cis-1,2-Dichloroethene	4.20	96	193646	51.542	ug/l	97
28) Bromochloromethane	4.52	49	150445	50.044	ug/l	96
29) Tetrahydrofuran	4.61	42	452588	263.752	ug/l	98
30) Chloroform	4.65	83	328185	49.399	ug/l	100
31) Cyclohexane	4.97	56	224942	47.043	ug/l	99
32) 1,1,1-Trichloroethane	4.89	97	270330	50.894	ug/l	99
36) 1,1-Dichloropropene	5.12	75	209920	49.415	ug/l	100
37) Ethyl Acetate	4.36	43	256778	51.125	ug/l	100
38) Carbon Tetrachloride	5.11	117	225742	49.769	ug/l	99

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Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.40	83	225182	49.587	ug/l	99
40) Benzene	5.37	78	692945	50.552	ug/l	99
41) Methacrylonitrile	4.52	41	143420	53.608	ug/l	99
42) 1,2-Dichloroethane	5.38	62	236561	49.707	ug/l	100
43) Isopropyl Acetate	5.53	43	402488	51.369	ug/l	99
44) Trichloroethene	6.16	130	191721	50.544	ug/l	99
45) 1,2-Dichloropropane	6.41	63	202585	50.554	ug/l	98
46) Dibromomethane	6.54	93	129985	51.676	ug/l	99
47) Bromodichloromethane	6.73	83	264864	51.155	ug/l	100
48) Methyl methacrylate	6.60	41	187853	50.479	ug/l	97
49) 1,4-Dioxane	6.60	88	90170	1109.622	ug/l	97
51) 4-Methyl-2-Pentanone	7.44	43	1399117	257.973	ug/l	99
52) Toluene	7.62	92	444580	51.703	ug/l	99
53) t-1,3-Dichloropropene	7.86	75	280943	52.343	ug/l	99
54) cis-1,3-Dichloropropene	7.25	75	310495	52.708	ug/l	99
55) 1,1,2-Trichloroethane	8.04	97	200591	51.374	ug/l	98
56) Ethyl methacrylate	8.00	69	284951	48.157	ug/l	98
57) 1,3-Dichloropropane	8.22	76	323981	50.958	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.11	63	508491	253.143	ug/l	98
59) 2-Hexanone	8.34	43	1061024	261.875	ug/l	98
60) Dibromochloromethane	8.45	129	221789	52.959	ug/l	99
61) 1,2-Dibromoethane	8.57	107	200954	52.584	ug/l	99
64) Tetrachloroethene	8.21	164	165162	49.832	ug/l	97
65) Chlorobenzene	9.10	112	510940	52.715	ug/l	99
66) 1,1,1,2-Tetrachloroethane	9.19	131	194215	52.505	ug/l	99
67) Ethyl Benzene	9.23	91	850302	53.655	ug/l	99
68) m/p-Xylenes	9.35	106	671969	112.602	ug/l	98
69) o-Xylene	9.76	106	324705	55.637	ug/l	99
70) Styrene	9.77	104	595132	58.162	ug/l	99
71) Bromoform	9.94	173	176462	55.045	ug/l #	99
73) Isopropylbenzene	10.14	105	893569	50.448	ug/l	100
74) N-amyl acetate	9.99	43	374015	52.458	ug/l	99
75) 1,1,2,2-Tetrachloroethane	10.43	83	344772	48.088	ug/l	99
76) 1,2,3-Trichloropropane	10.47	75	376402	63.355	ug/l	84
77) Bromobenzene	10.43	156	247891	50.052	ug/l	98
78) n-propylbenzene	10.57	91	1051597	51.407	ug/l	100
79) 2-Chlorotoluene	10.64	91	625579	50.120	ug/l	100
80) 1,3,5-Trimethylbenzene	10.75	105	798175	53.881	ug/l	100
81) trans-1,4-Dichloro-2-buten	10.47	75	376402	213.060	ug/l #	100
82) 4-Chlorotoluene	10.75	91	730421	50.852	ug/l	98
83) tert-Butylbenzene	11.08	119	772079	52.099	ug/l	99
84) 1,2,4-Trimethylbenzene	11.13	105	809707	54.300	ug/l	99
85) sec-Butylbenzene	11.30	105	926229	52.942	ug/l	100
86) p-Isopropyltoluene	11.45	119	877539	54.344	ug/l	99
87) 1,3-Dichlorobenzene	11.39	146	465830	51.544	ug/l	99
88) 1,4-Dichlorobenzene	11.48	146	474412	50.328	ug/l	99
89) n-Butylbenzene	11.86	91	770033	54.873	ug/l	100
90) Hexachloroethane	12.12	117	132203	51.172	ug/l	96
91) 1,2-Dichlorobenzene	11.85	146	470472	52.970	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.63	75	73094	55.480	ug/l	98

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU090919\
Quantitation Report (Not Reviewed)

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.48	180	333655	51.672	ug/l	99
94) Hexachlorobutadiene	13.67	225	154720	49.799	ug/l	99
95) Naphthalene	13.72	128	909595	50.132	ug/l	100
96) 1,2,3-Trichlorobenzene	13.96	180	332553	53.267	ug/l	100

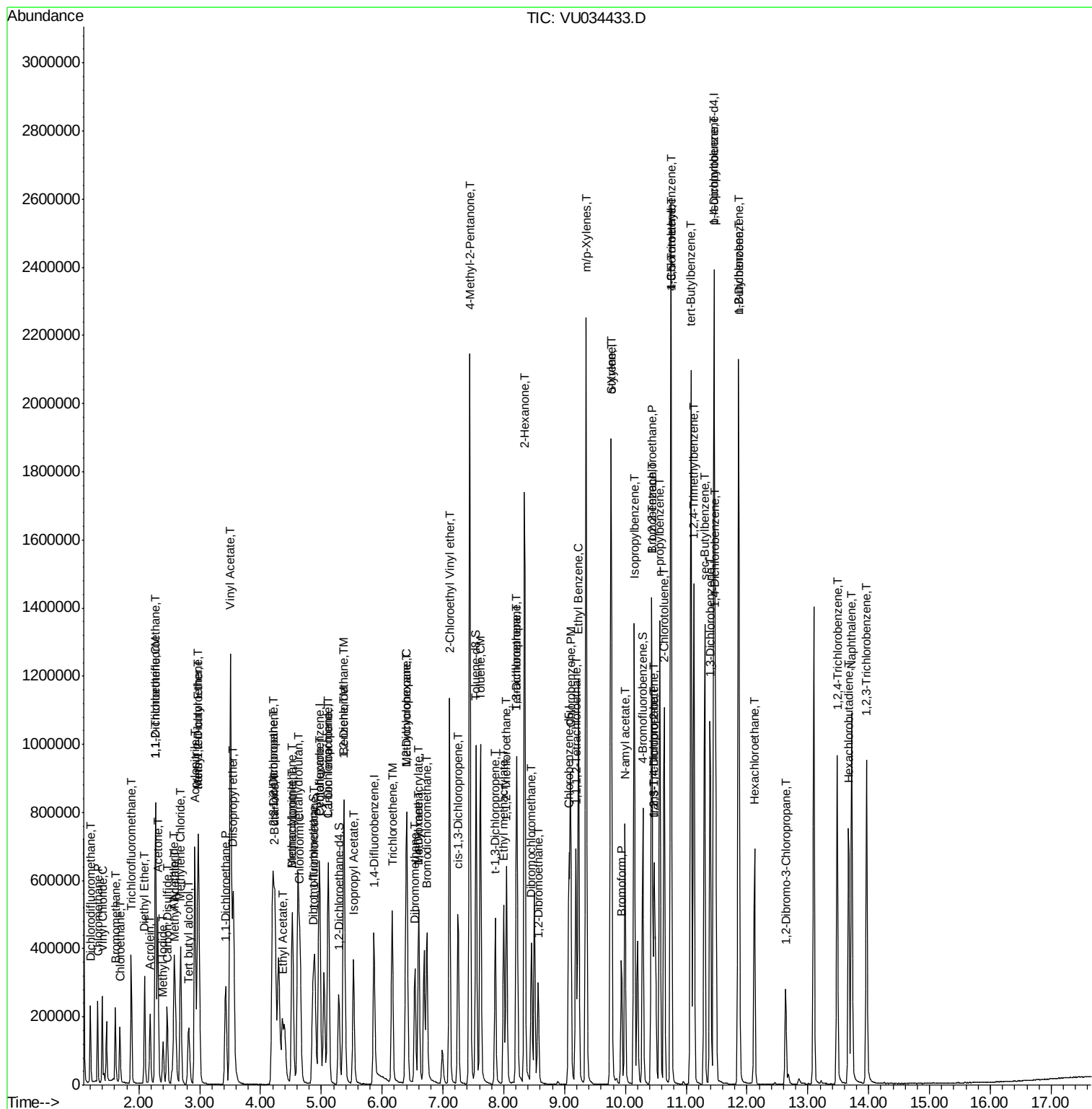
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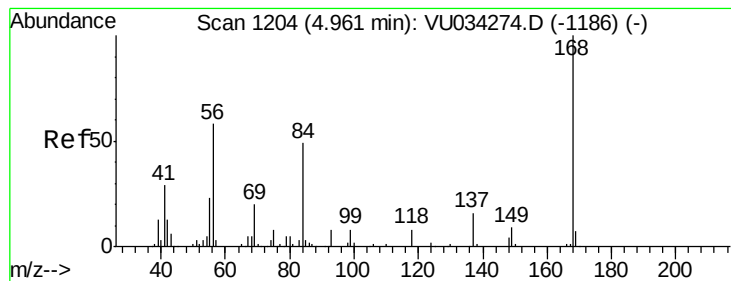
Data File : VU034433.D

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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.96 min Scan# 1204

Delta R.T. 0.00 min

Lab File: VU034433.D

Acq: 09 Sep 2019 15:09

Instrument :

MSVOA_U

ClientSampleId :

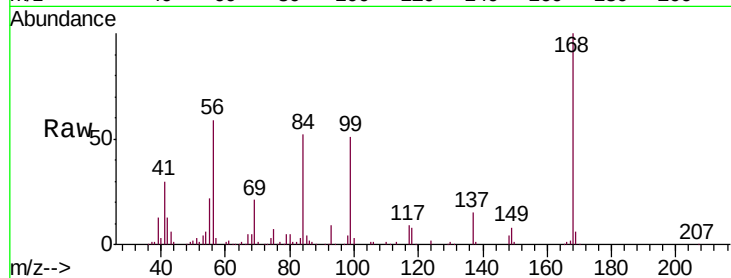
VSTDCCC050EC

Tgt Ion:168 Resp: 269805

Ion Ratio Lower Upper

168 100

99 50.7 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

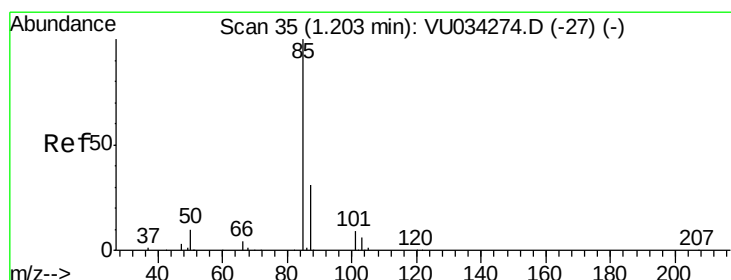
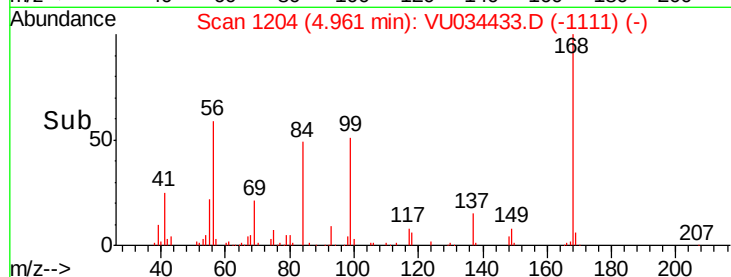
100000

50000

0

4.90 5.00 5.10

Time-->



#2

Dichlorodifluoromethane

Concen: 46.035 ug/l

RT: 1.20 min Scan# 35

Delta R.T. 0.00 min

Lab File: VU034433.D

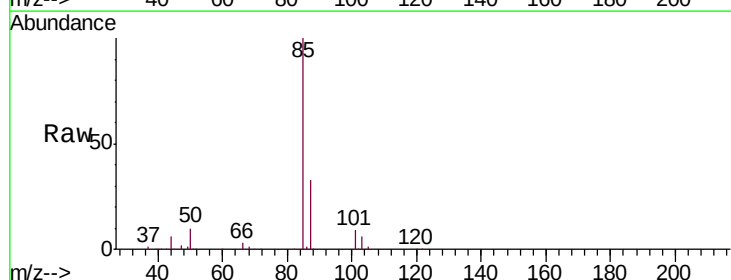
Acq: 09 Sep 2019 15:09

Tgt Ion: 85 Resp: 129900

Ion Ratio Lower Upper

85 100

87 33.0 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) (-)

150000

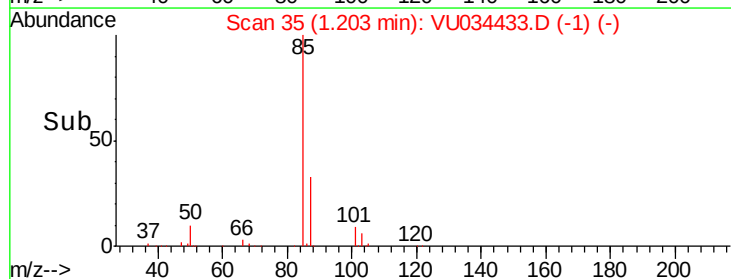
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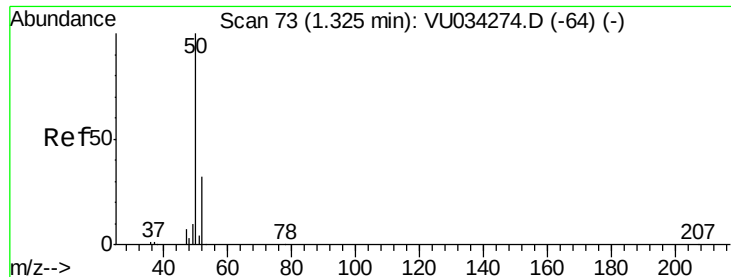
50000

0

1.15 1.20 1.25

Time-->





#3

Chloromethane

Concen: 47.281 ug/l

RT: 1.32 min Scan# 72

Delta R.T. -0.00 min

Lab File: VU034433.D

Acq: 09 Sep 2019 15:09

Instrument :

MSVOA_U

ClientSampleId :

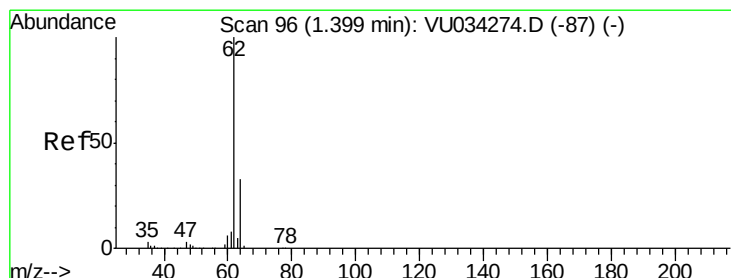
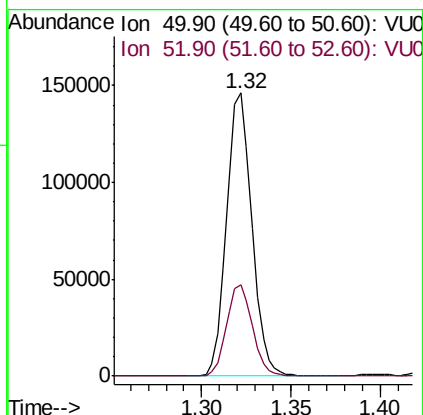
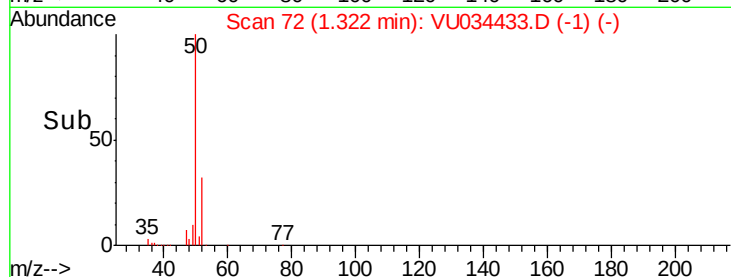
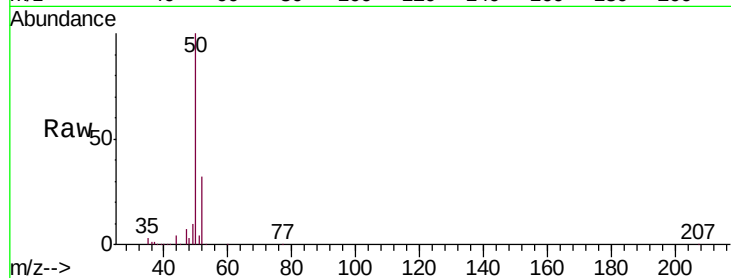
VSTDCCC050EC

Tgt Ion: 50 Resp: 144154

Ion Ratio Lower Upper

50 100

52 32.4 25.8 38.6



#4

Vinyl Chloride

Concen: 46.340 ug/l

RT: 1.40 min Scan# 95

Delta R.T. -0.00 min

Lab File: VU034433.D

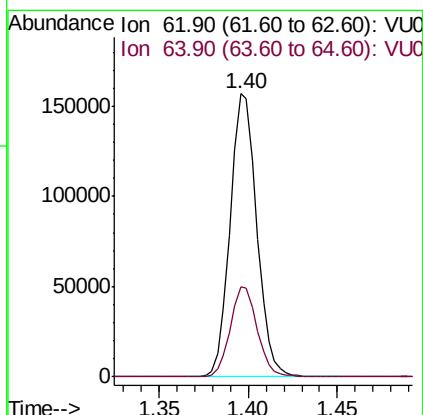
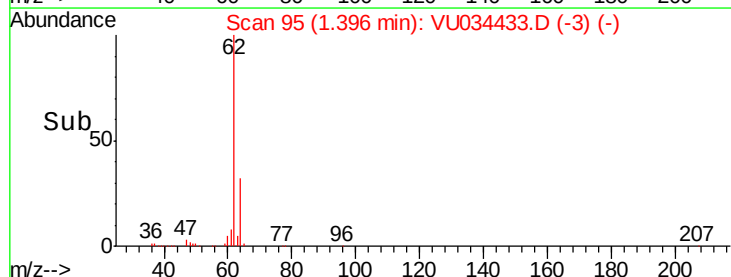
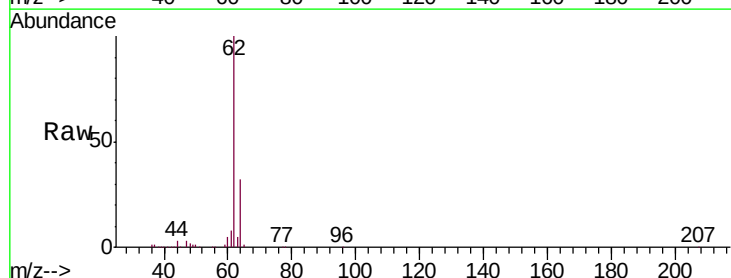
Acq: 09 Sep 2019 15:09

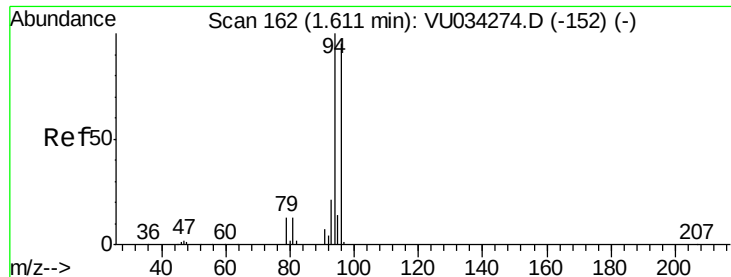
Tgt Ion: 62 Resp: 162944

Ion Ratio Lower Upper

62 100

64 31.8 26.2 39.4





#5

Bromomethane

Concen: 54.935 ug/l

RT: 1.61 min Scan# 162

Delta R.T. 0.00 min

Lab File: VU034433.D

Acq: 09 Sep 2019 15:09

Instrument :

MSVOA_U

ClientSampleId :

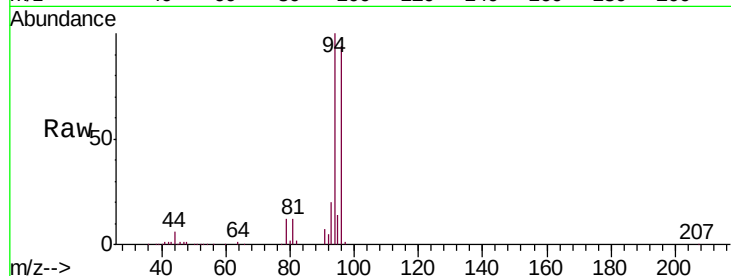
VSTDCCC050EC

Tgt Ion: 94 Resp: 97287

Ion Ratio Lower Upper

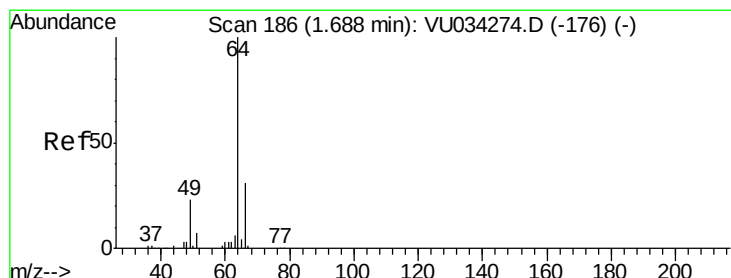
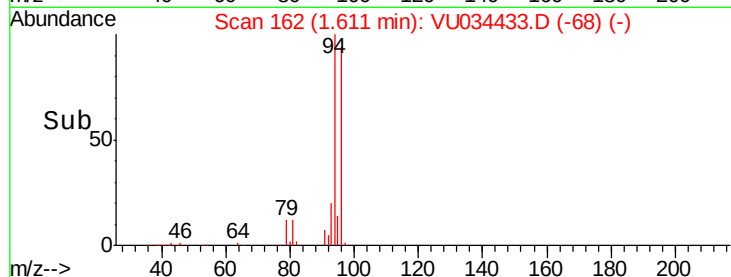
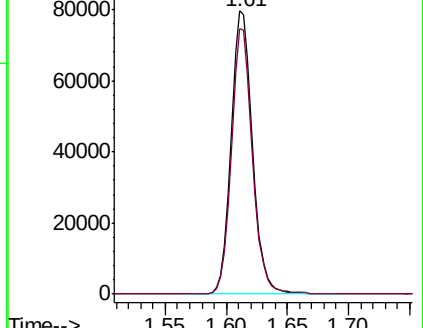
94 100

96 93.9 75.7 113.5



Abundance Ion 93.90 (93.60 to 94.60): VU034433.D (-152) (-)

Ion 95.90 (95.60 to 96.60): VU034433.D (-152) (-)



#6

Chloroethane

Concen: 51.048 ug/l

RT: 1.69 min Scan# 186

Delta R.T. 0.00 min

Lab File: VU034433.D

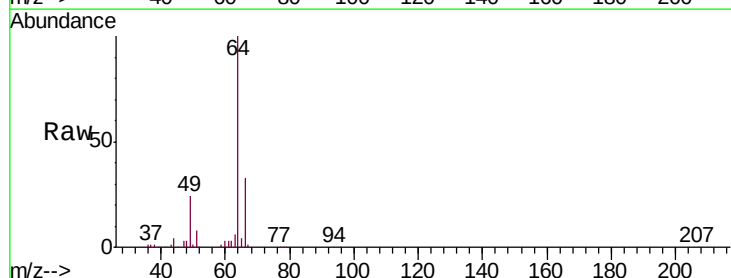
Acq: 09 Sep 2019 15:09

Tgt Ion: 64 Resp: 104286

Ion Ratio Lower Upper

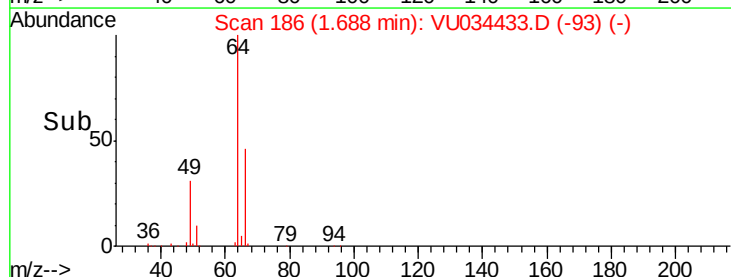
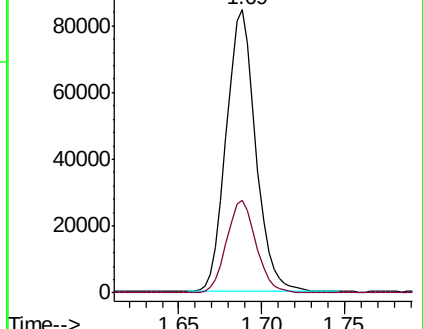
64 100

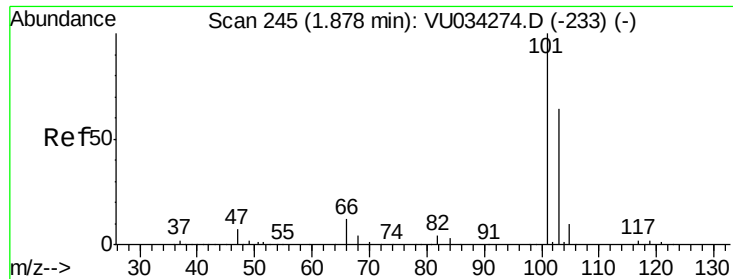
66 32.8 25.0 37.6



Abundance Ion 63.90 (63.60 to 64.60): VU034433.D (-176) (-)

Ion 65.90 (65.60 to 66.60): VU034433.D (-176) (-)



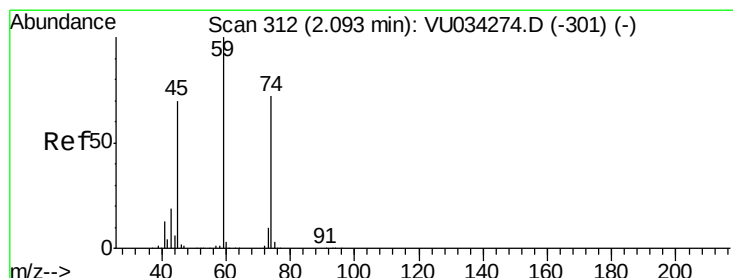
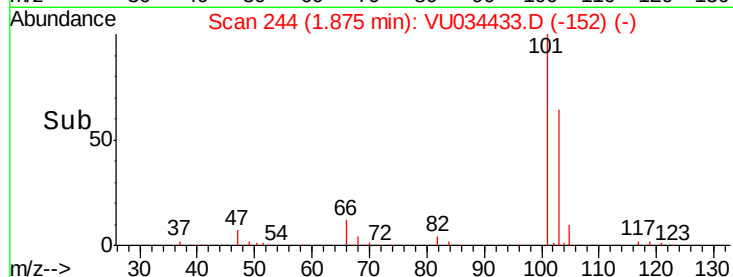
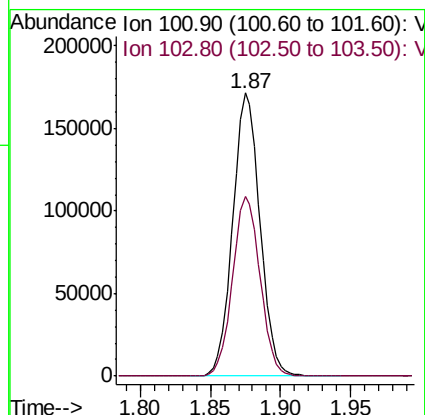
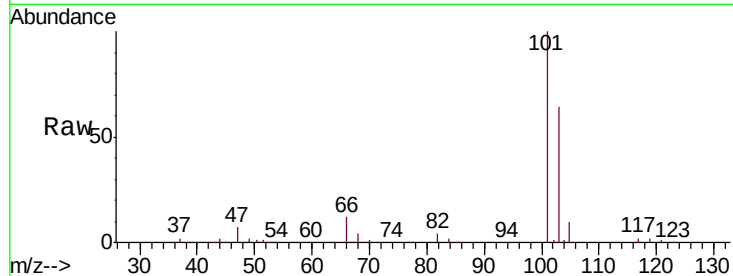


#7

Trichlorofluoromethane
 Concen: 49.280 ug/l
 RT: 1.87 min Scan# 244
 Delta R.T. -0.00 min
 Lab File: VU034433.D
 Acq: 09 Sep 2019 15:09

Instrument :
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 VSTDCCC050EC

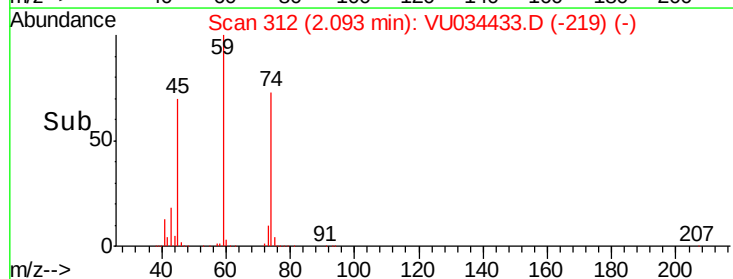
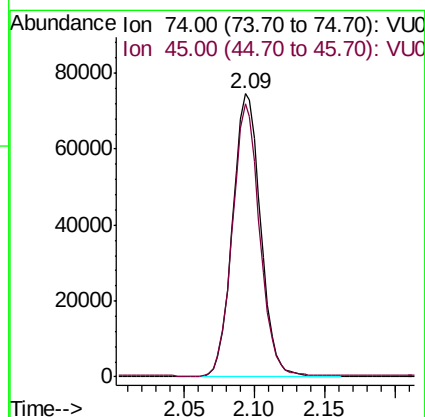
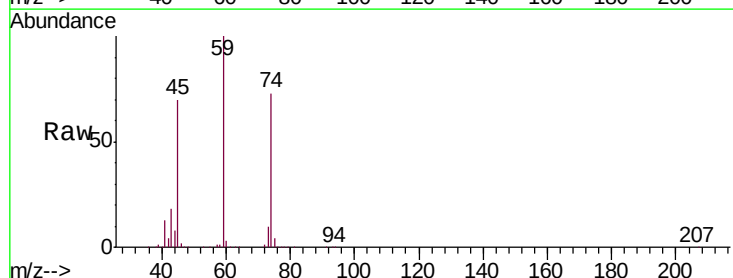
Tgt Ion:101 Resp: 232341
 Ion Ratio Lower Upper
 101 100
 103 63.7 51.0 76.6

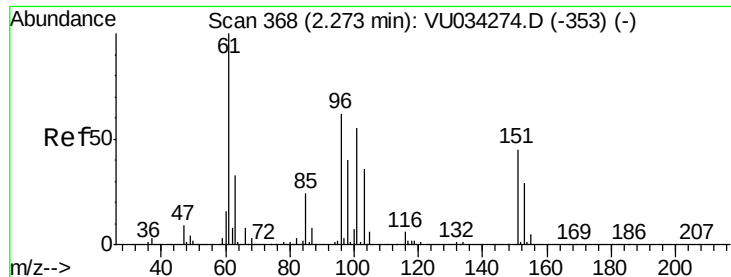


#8

Diethyl Ether
 Concen: 50.056 ug/l
 RT: 2.09 min Scan# 312
 Delta R.T. 0.00 min
 Lab File: VU034433.D
 Acq: 09 Sep 2019 15:09

Tgt Ion: 74 Resp: 103808
 Ion Ratio Lower Upper
 74 100
 45 93.4 48.2 144.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 48.881 ug/l

RT: 2.27 min Scan# 368

Delta R.T. 0.00 min

Lab File: VU034433.D

Acq: 09 Sep 2019 15:09

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

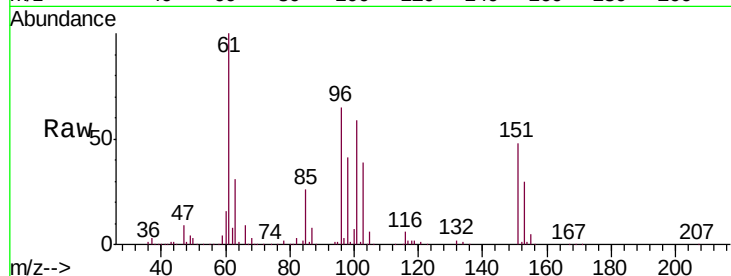
Tgt Ion:101 Resp: 152640

Ion Ratio Lower Upper

101 100

85 42.5 34.4 51.6

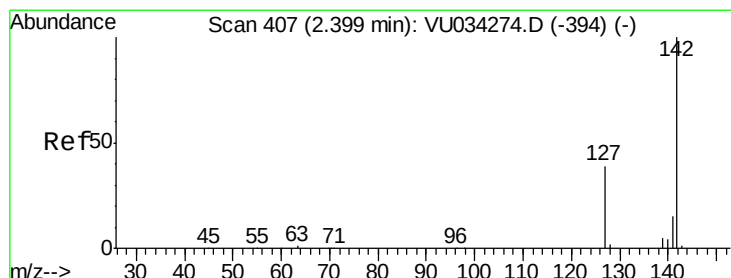
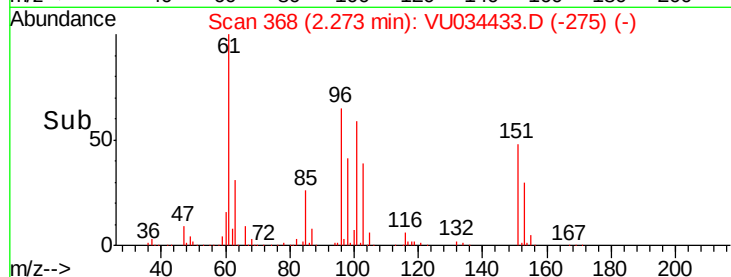
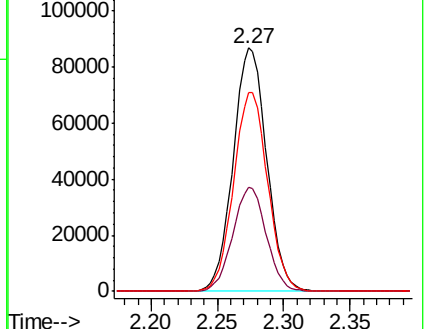
151 82.8 64.4 96.6



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VU0

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 43.793 ug/l

RT: 2.40 min Scan# 407

Delta R.T. 0.00 min

Lab File: VU034433.D

Acq: 09 Sep 2019 15:09

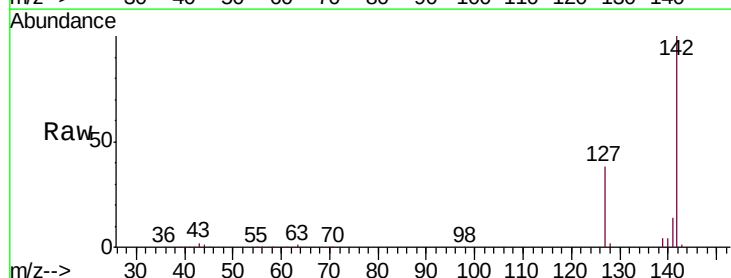
Tgt Ion:142 Resp: 123634

Ion Ratio Lower Upper

142 100

127 39.1 32.1 48.1

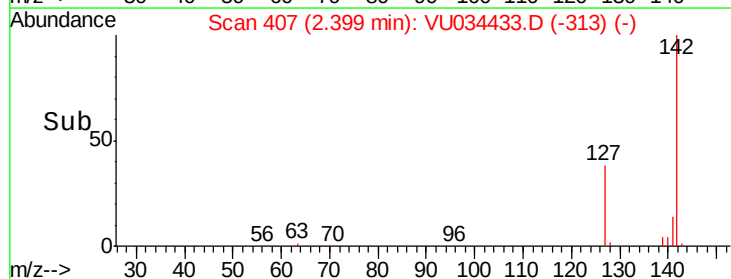
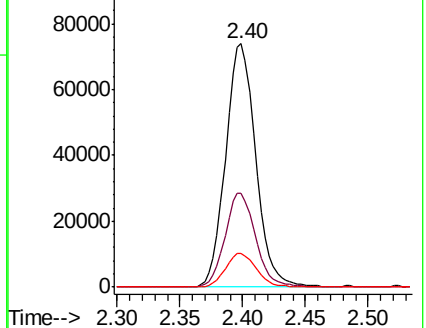
141 14.2 11.5 17.3

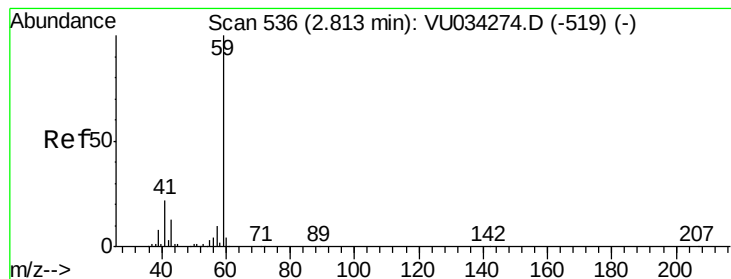


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



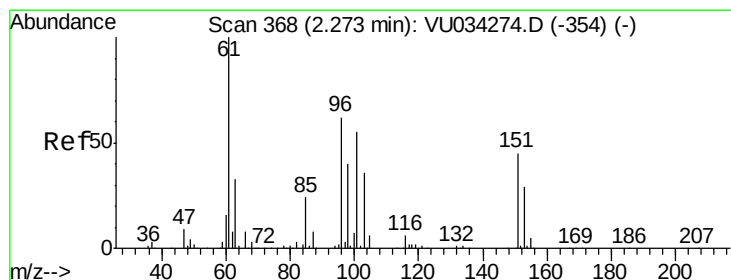
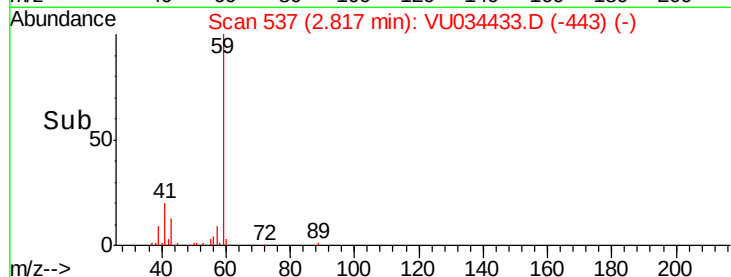
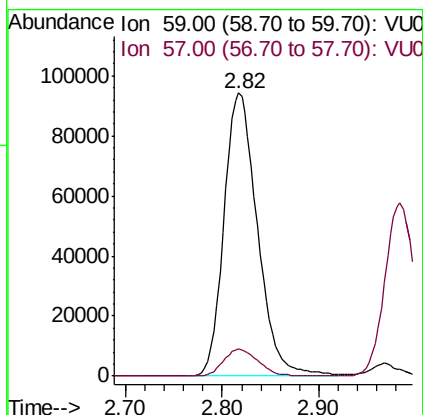
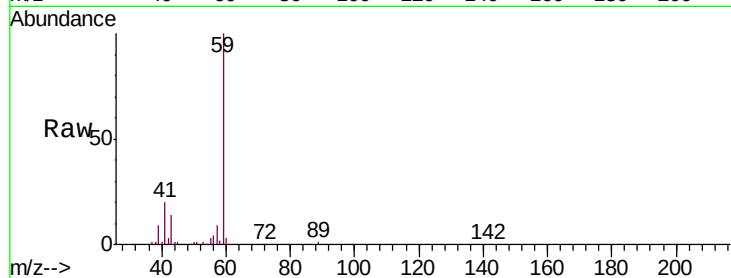


#11

Tert butyl alcohol
 Concen: 262.849 ug/l
 RT: 2.82 min Scan# 537
 Delta R.T. 0.00 min
 Lab File: VU034433.D
 Acq: 09 Sep 2019 15:09

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

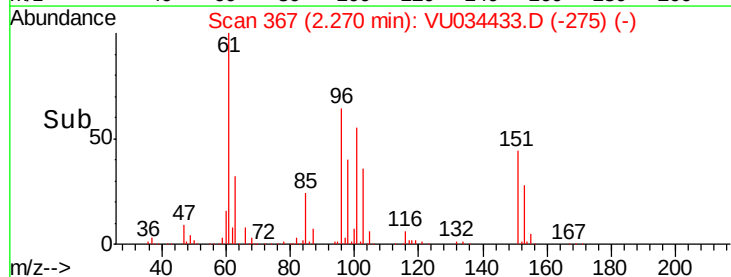
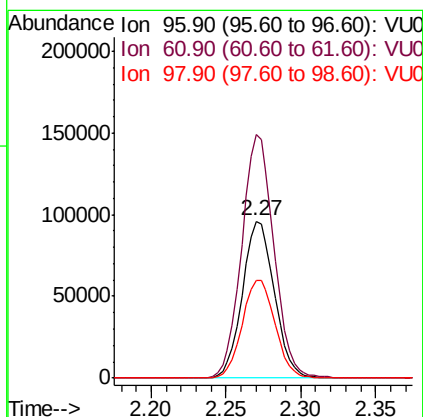
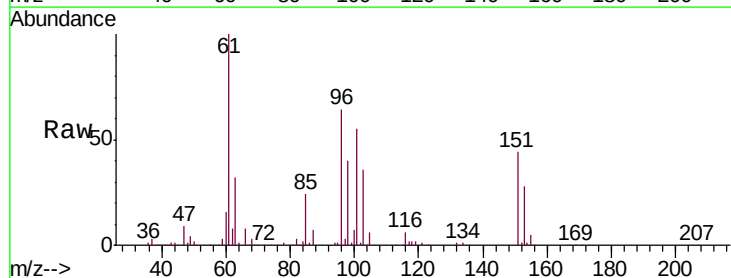
Tgt Ion: 59 Resp: 226688
 Ion Ratio Lower Upper
 59 100
 57 9.8 7.9 11.9

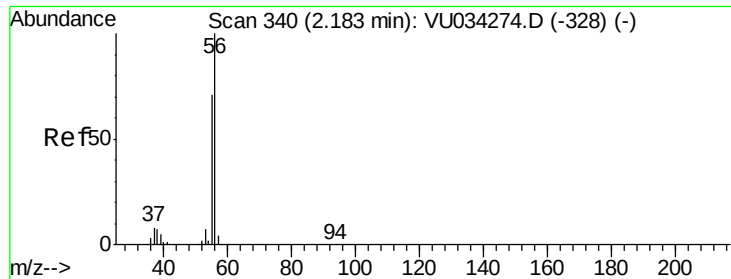


#12

1,1-Dichloroethene
 Concen: 48.820 ug/l
 RT: 2.27 min Scan# 367
 Delta R.T. -0.00 min
 Lab File: VU034433.D
 Acq: 09 Sep 2019 15:09

Tgt Ion: 96 Resp: 143312
 Ion Ratio Lower Upper
 96 100
 61 155.2 130.0 195.0
 98 62.2 52.2 78.4

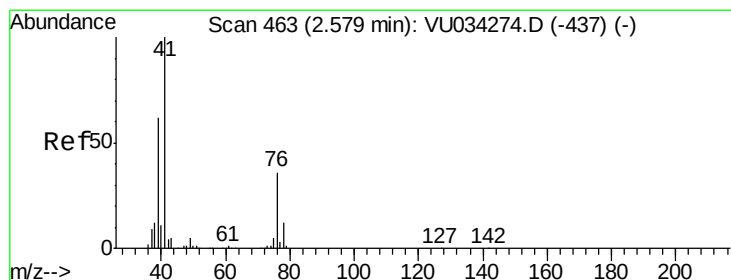
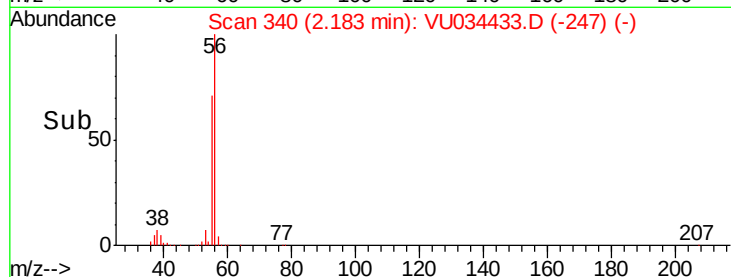
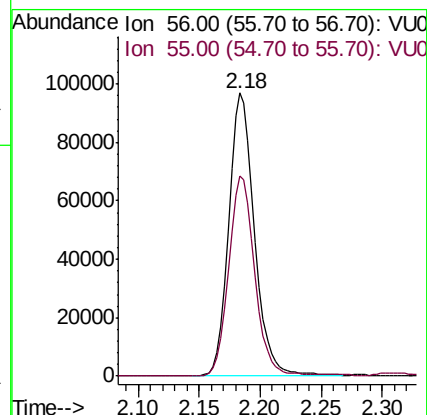
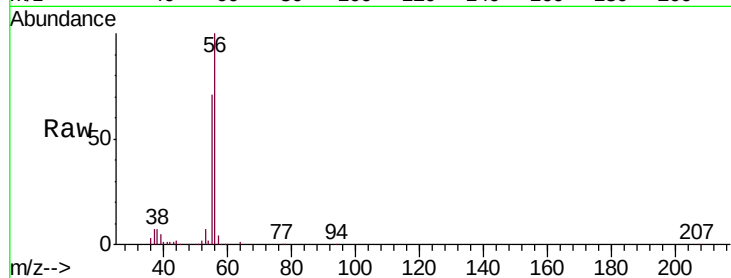




#13
Acrolein
Concen: 198.444 ug/l
RT: 2.18 min Scan# 340
Delta R.T. 0.00 min
Lab File: VU034433.D
Acq: 09 Sep 2019 15:09

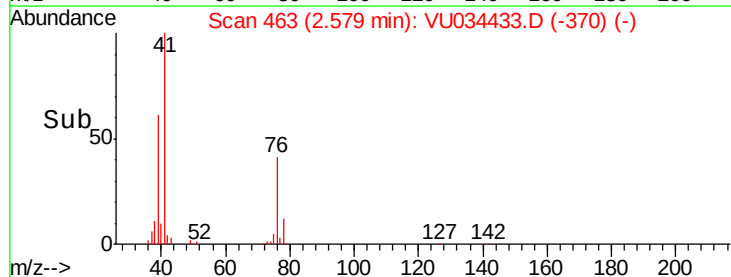
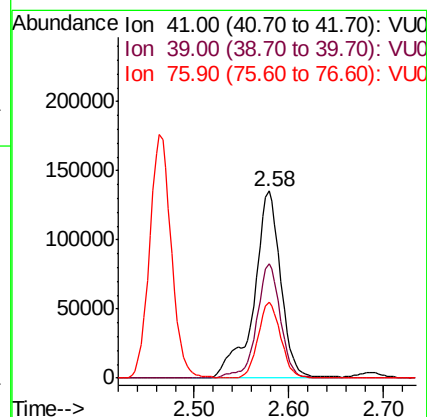
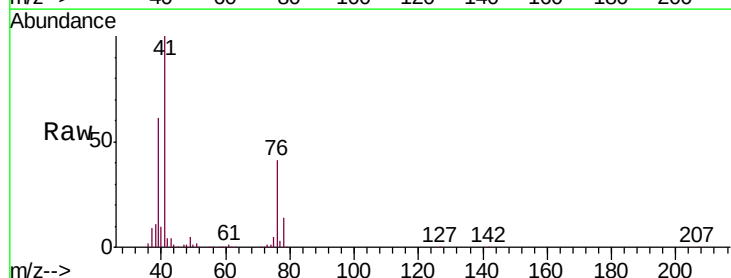
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

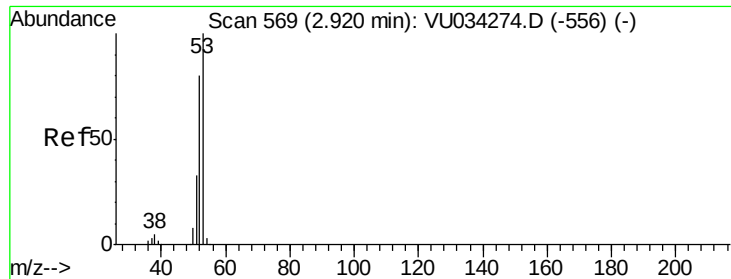
Tgt Ion: 56 Resp: 143844
Ion Ratio Lower Upper
56 100
55 72.2 57.4 86.2



#14
Allyl chloride
Concen: 47.579 ug/l
RT: 2.58 min Scan# 463
Delta R.T. 0.00 min
Lab File: VU034433.D
Acq: 09 Sep 2019 15:09

Tgt Ion: 41 Resp: 267020
Ion Ratio Lower Upper
41 100
39 54.0 43.5 65.3
76 34.1 27.0 40.6





#15

Acrylonitrile

Concen: 260.216 ug/l

RT: 2.92 min Scan# 569

Delta R.T. 0.00 min

Lab File: VU034433.D

Acq: 09 Sep 2019 15:09

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

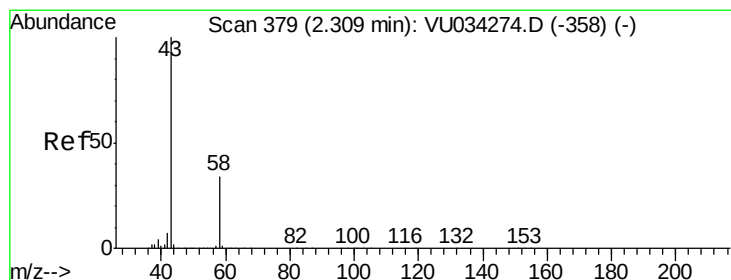
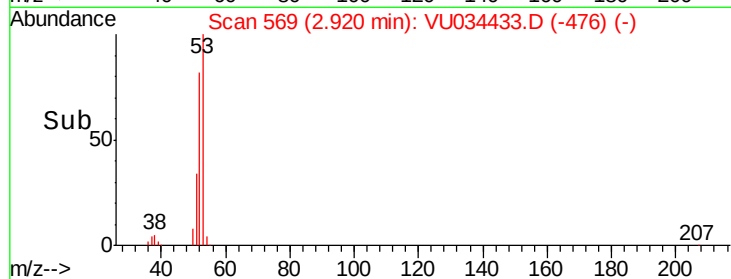
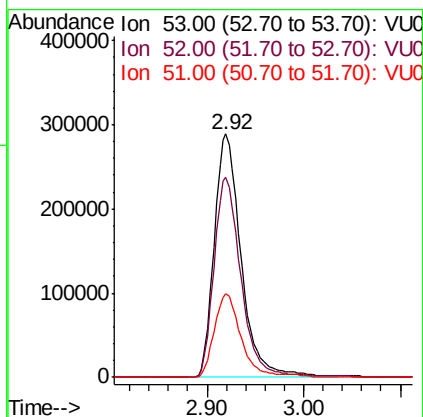
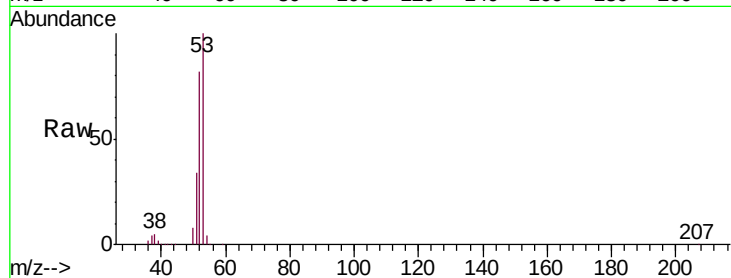
Tgt Ion: 53 Resp: 558851

Ion Ratio Lower Upper

53 100

52 82.0 64.1 96.1

51 34.8 27.4 41.0



#16

Acetone

Concen: 229.131 ug/l

RT: 2.31 min Scan# 380

Delta R.T. 0.00 min

Lab File: VU034433.D

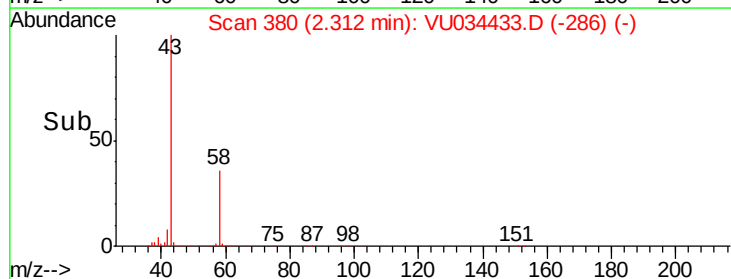
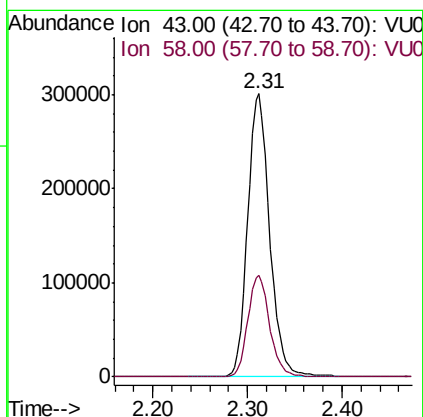
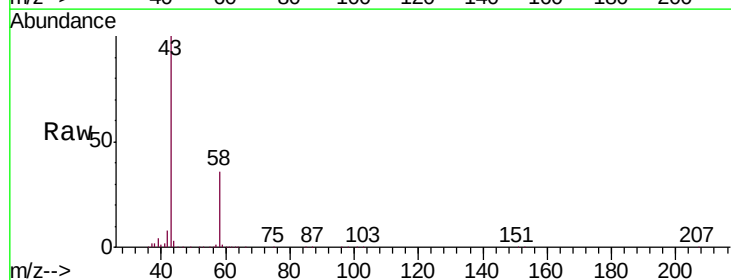
Acq: 09 Sep 2019 15:09

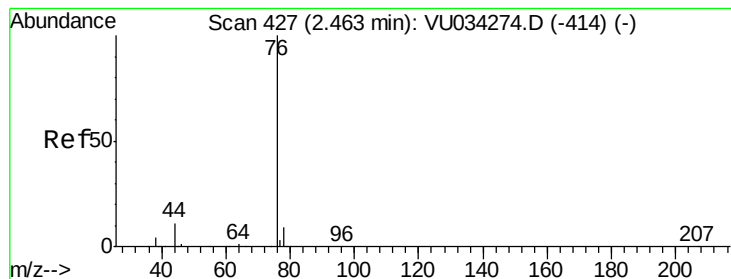
Tgt Ion: 43 Resp: 484047

Ion Ratio Lower Upper

43 100

58 35.9 27.6 41.4





#17

Carbon Disulfide

Concen: 42.378 ug/l

RT: 2.46 min Scan# 427

Delta R.T. 0.00 min

Lab File: VU034433.D

Acq: 09 Sep 2019 15:09

Instrument :

MSVOA_U

ClientSampleId :

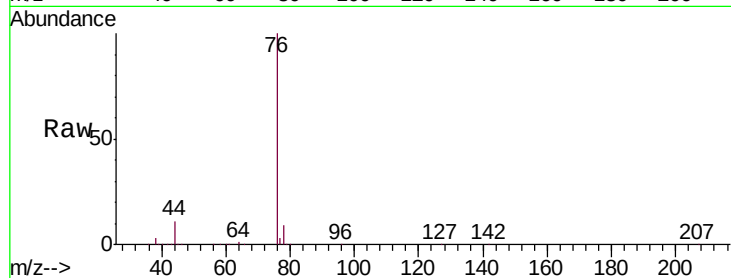
VSTDCCC050EC

Tgt Ion: 76 Resp: 279591

Ion Ratio Lower Upper

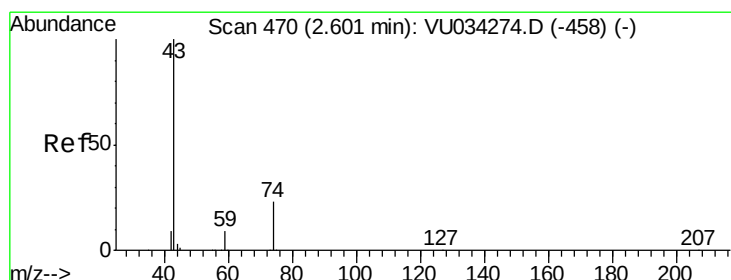
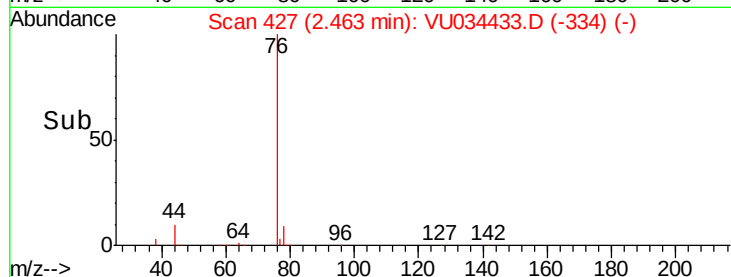
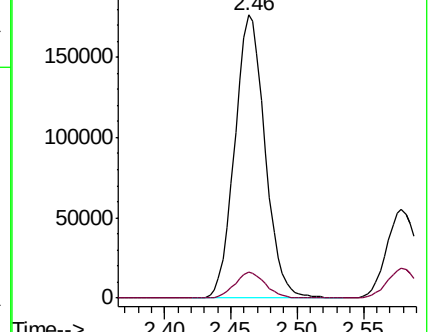
76 100

78 9.1 7.2 10.8



Abundance Ion 75.90 (75.60 to 76.60): VU034274.D (-414) (-)

Ion 77.90 (77.60 to 78.60): VU034274.D (-414) (-)



#18

Methyl Acetate

Concen: 47.981 ug/l

RT: 2.60 min Scan# 471

Delta R.T. 0.00 min

Lab File: VU034433.D

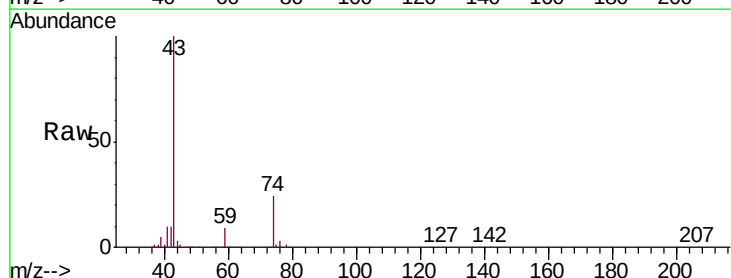
Acq: 09 Sep 2019 15:09

Tgt Ion: 43 Resp: 246641

Ion Ratio Lower Upper

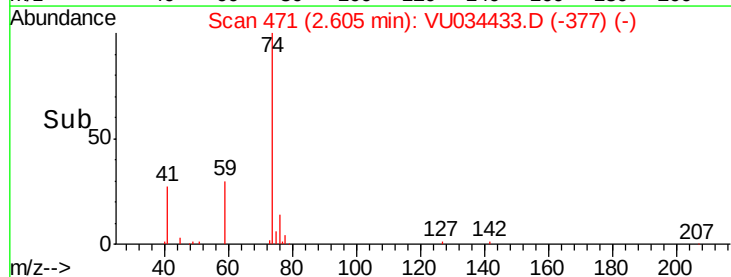
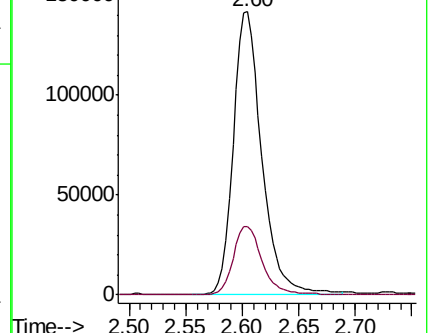
43 100

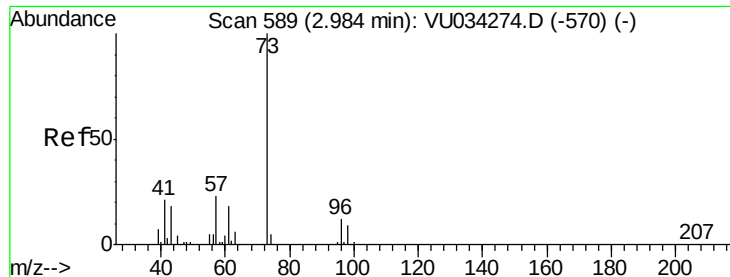
74 24.7 18.9 28.3



Abundance Ion 43.00 (42.70 to 43.70): VU034274.D (-458) (-)

Ion 74.00 (73.70 to 74.70): VU034274.D (-458) (-)

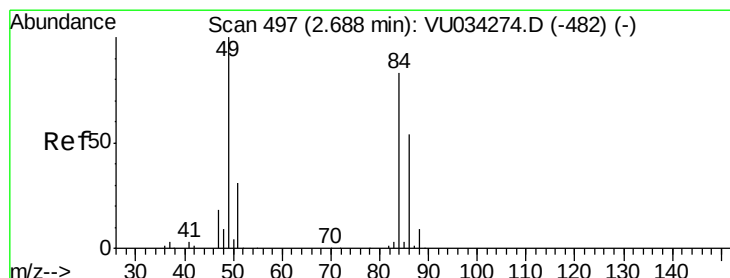
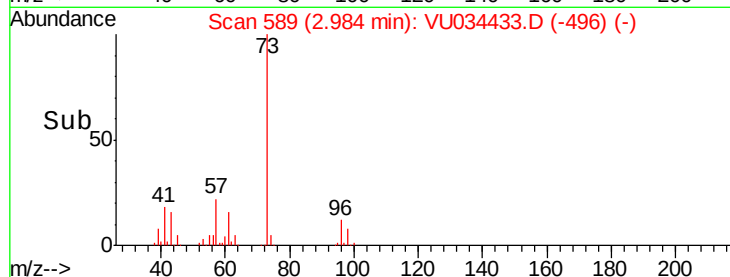
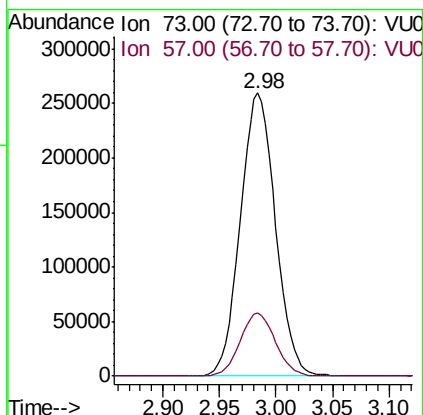
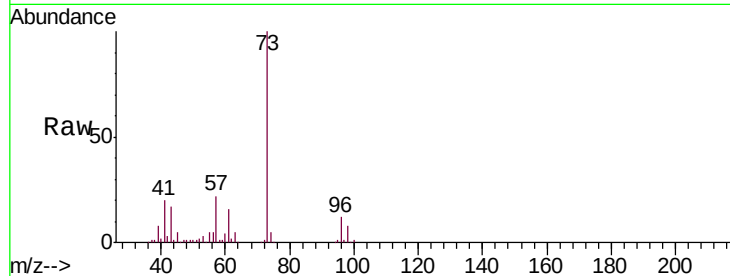




#19
Methyl tert-butyl Ether
Concen: 52.294 ug/l
RT: 2.98 min Scan# 589
Delta R.T. 0.00 min
Lab File: VU034433.D
Acq: 09 Sep 2019 15:09

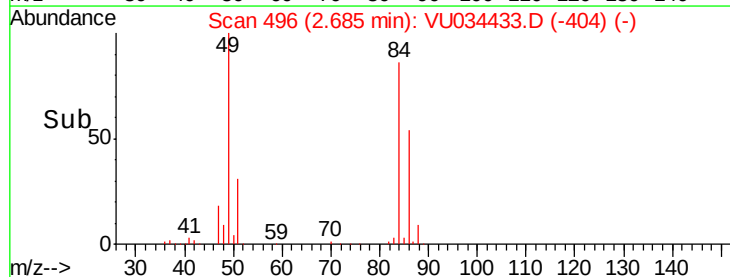
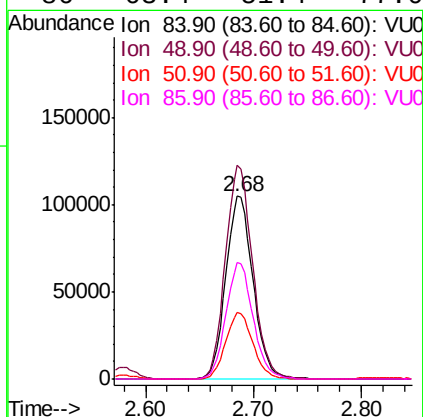
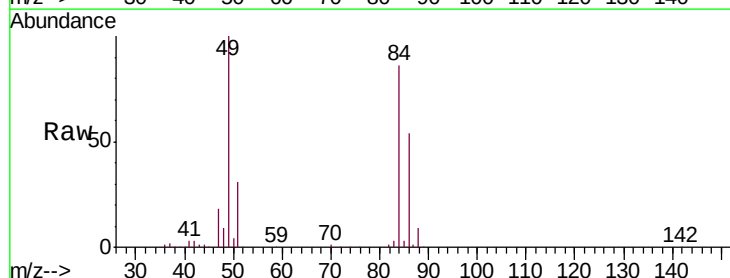
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

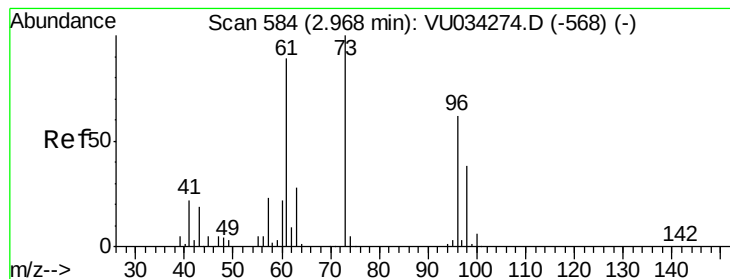
Tgt Ion: 73 Resp: 559523
Ion Ratio Lower Upper
73 100
57 22.2 18.2 27.4



#20
Methylene Chloride
Concen: 53.484 ug/l
RT: 2.68 min Scan# 496
Delta R.T. -0.00 min
Lab File: VU034433.D
Acq: 09 Sep 2019 15:09

Tgt Ion: 84 Resp: 184967
Ion Ratio Lower Upper
84 100
49 116.9 96.0 144.0
51 36.2 30.0 45.0
86 63.4 51.4 77.0





#21

trans-1,2-Dichloroethene

Concen: 49.107 ug/l

RT: 2.97 min Scan# 584

Delta R.T. 0.00 min

Lab File: VU034433.D

Acq: 09 Sep 2019 15:09

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

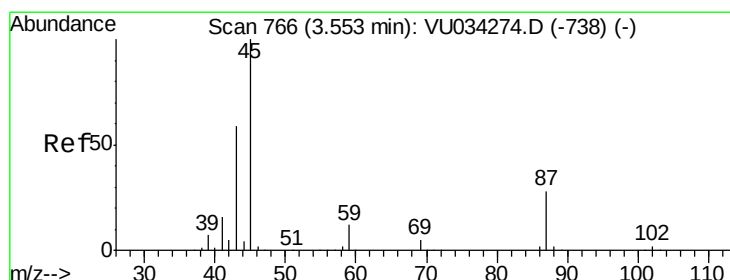
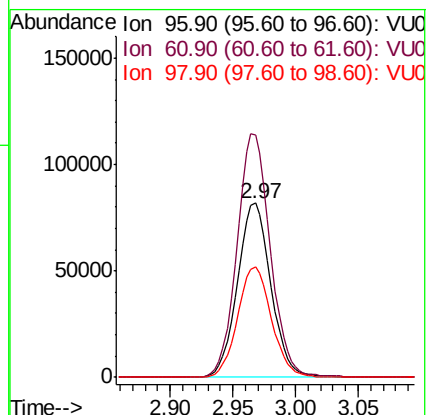
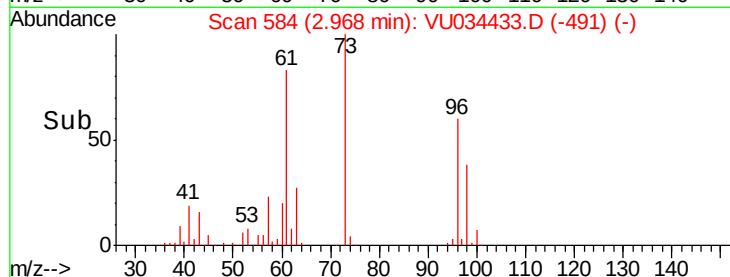
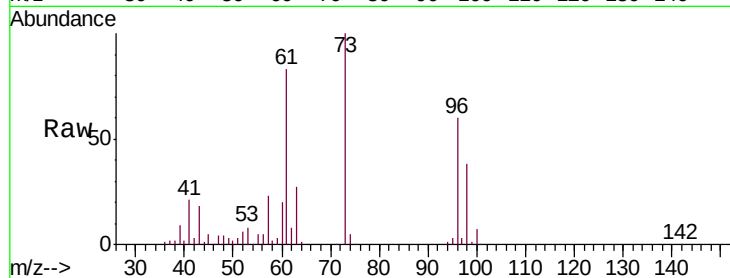
Tgt Ion: 96 Resp: 151910

Ion Ratio Lower Upper

96 100

61 139.1 114.8 172.2

98 63.1 49.8 74.8



#22

Diisopropyl ether

Concen: 52.028 ug/l

RT: 3.55 min Scan# 766

Delta R.T. 0.00 min

Lab File: VU034433.D

Acq: 09 Sep 2019 15:09

Tgt Ion: 45 Resp: 569419

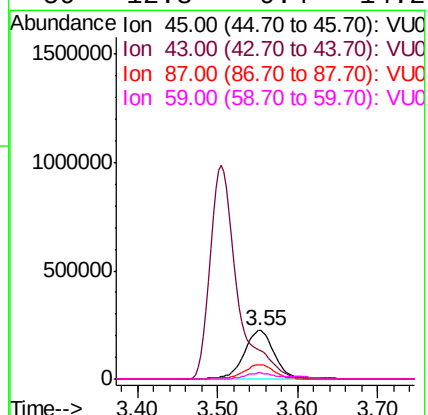
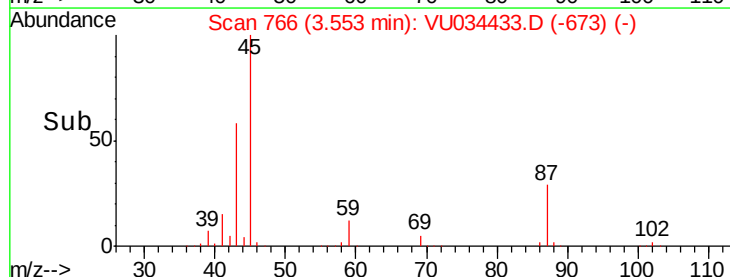
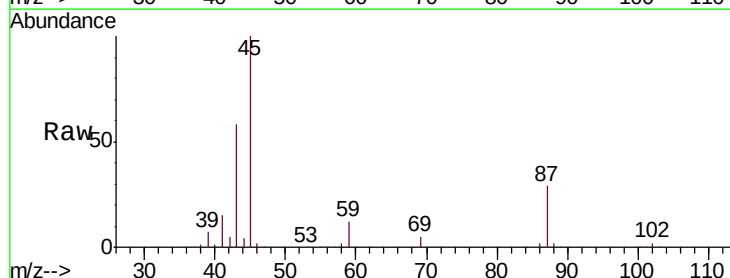
Ion Ratio Lower Upper

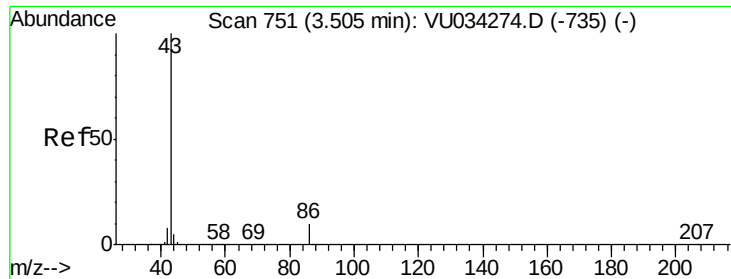
45 100

43 57.7 47.5 71.3

87 29.3 22.2 33.4

59 12.3 9.4 14.2





#23

Vinyl Acetate

Concen: 262.491 ug/l

RT: 3.50 min Scan# 751

Delta R.T. 0.00 min

Lab File: VU034433.D

Acq: 09 Sep 2019 15:09

Instrument :

MSVOA_U

ClientSampleId :

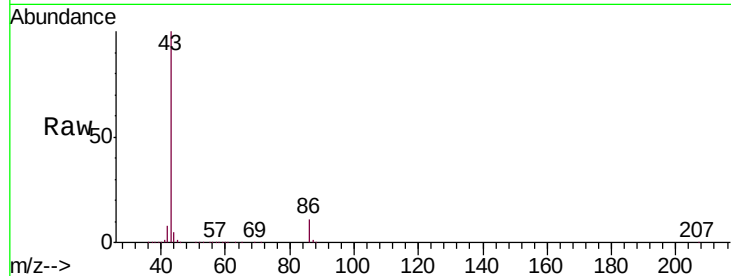
VSTDCCC050EC

Tgt Ion: 43 Resp: 2340083

Ion Ratio Lower Upper

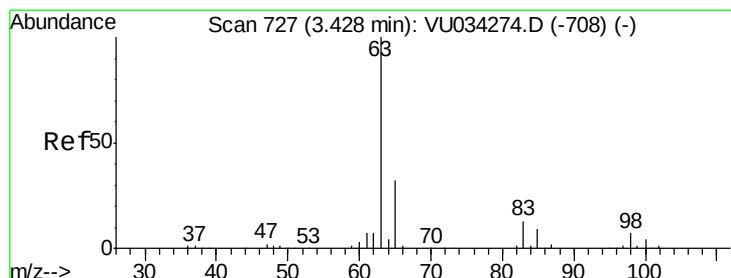
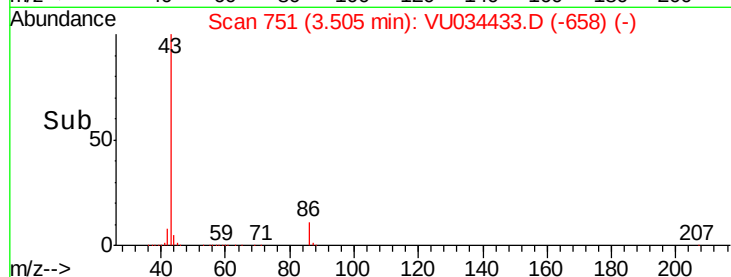
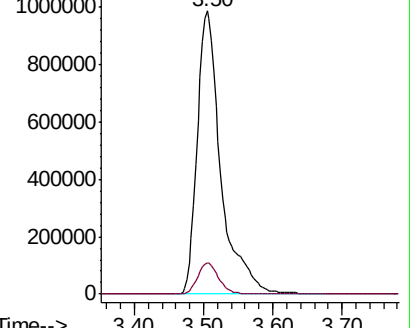
43 100

86 11.1 8.3 12.5



Abundance Ion 43.00 (42.70 to 43.70): VU034433.D (-658) (-)

Ion 86.00 (85.70 to 86.70): VU034433.D (-658) (-)



#24

1,1-Dichloroethane

Concen: 49.316 ug/l

RT: 3.42 min Scan# 726

Delta R.T. -0.00 min

Lab File: VU034433.D

Acq: 09 Sep 2019 15:09

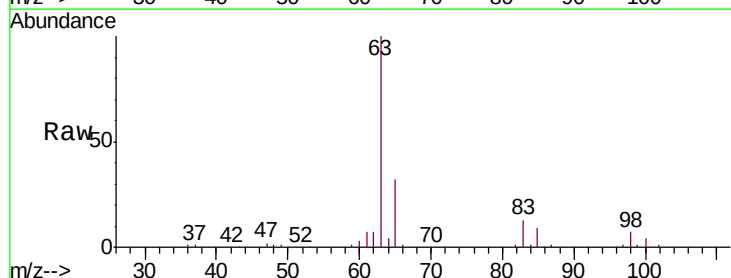
Tgt Ion: 63 Resp: 322325

Ion Ratio Lower Upper

63 100

98 6.9 3.5 10.4

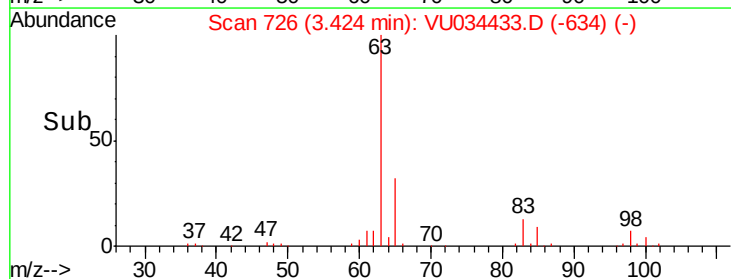
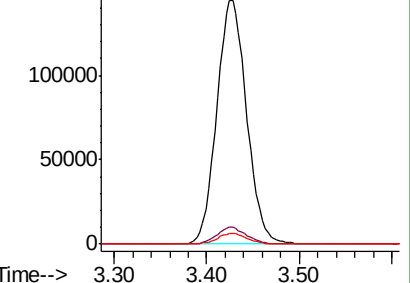
100 4.4 2.1 6.5

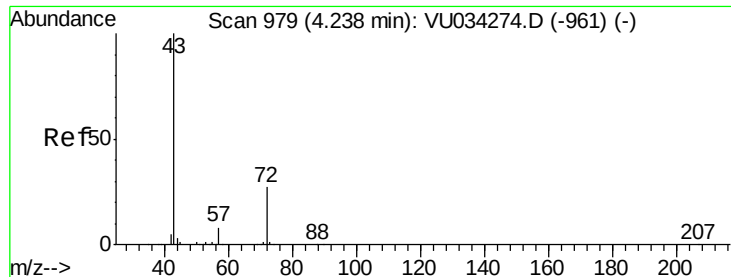


Abundance Ion 62.90 (62.60 to 63.60): VU034433.D (-634) (-)

Ion 97.90 (97.60 to 98.60): VU034433.D (-634) (-)

Ion 99.90 (99.60 to 100.60): VU034433.D (-634) (-)





#25

2-Butanone

Concen: 260.763 ug/l

RT: 4.24 min Scan# 979

Delta R.T. 0.00 min

Lab File: VU034433.D

Acq: 09 Sep 2019 15:09

Instrument :

MSVOA_U

ClientSampleId :

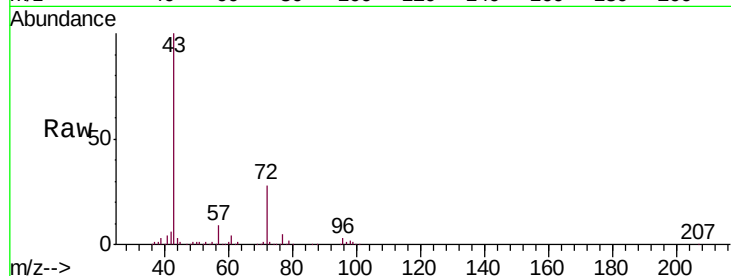
VSTDCCC050EC

Tgt Ion: 43 Resp: 735340

Ion Ratio Lower Upper

43 100

72 27.7 21.8 32.6



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

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

4.24

300000

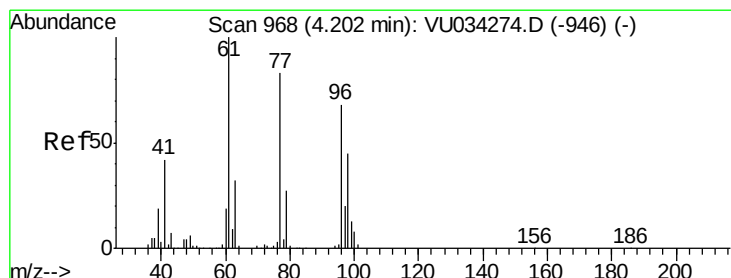
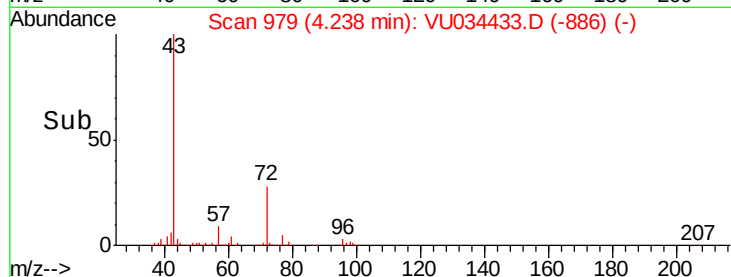
200000

100000

0

4.20 4.30

Time-->



#26

2,2-Dichloropropane

Concen: 49.604 ug/l

RT: 4.20 min Scan# 968

Delta R.T. 0.00 min

Lab File: VU034433.D

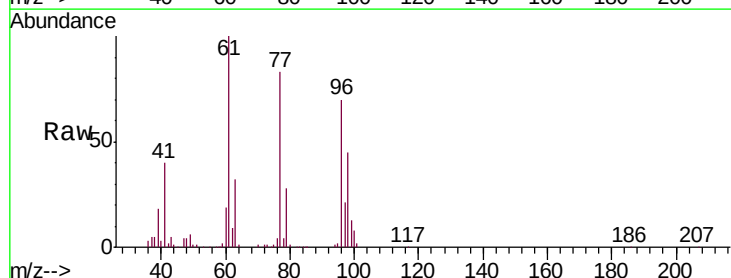
Acq: 09 Sep 2019 15:09

Tgt Ion: 77 Resp: 260754

Ion Ratio Lower Upper

77 100

97 24.1 11.8 35.3



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

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

4.20

100000

80000

60000

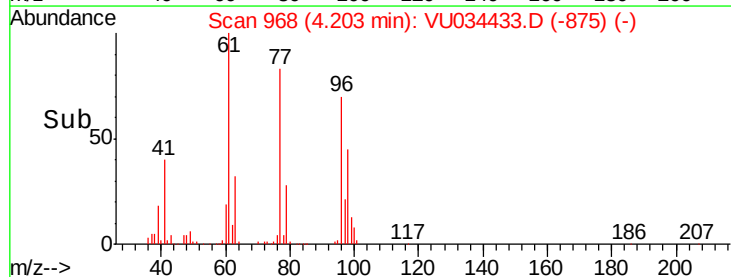
40000

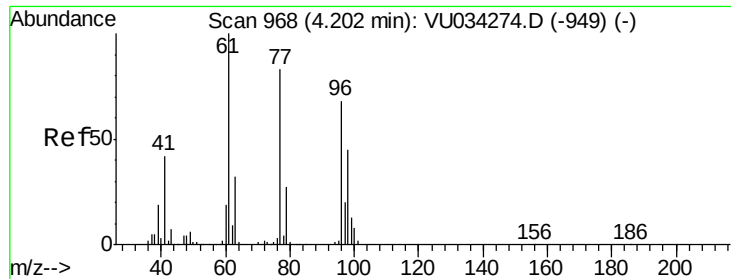
20000

0

4.10 4.20 4.30

Time-->



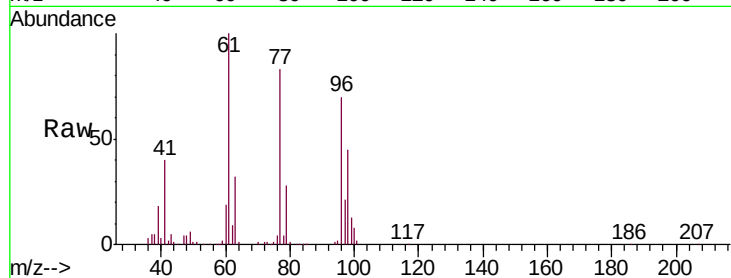


#27

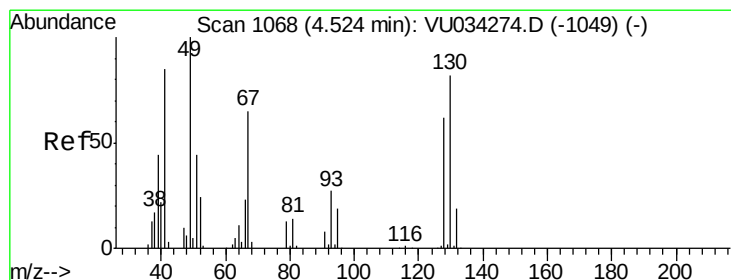
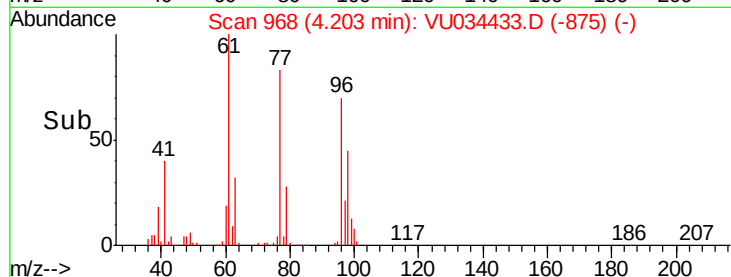
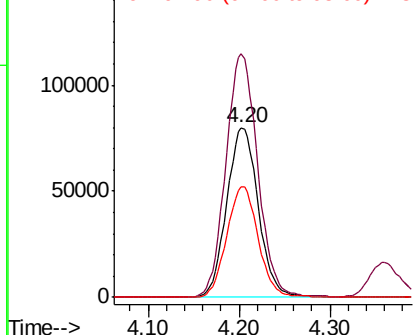
cis-1,2-Dichloroethene
 Concen: 51.542 ug/l
 RT: 4.20 min Scan# 968
 Delta R.T. 0.00 min
 Lab File: VU034433.D
 Acq: 09 Sep 2019 15:09

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tgt Ion: 96 Resp: 193646
 Ion Ratio Lower Upper
 96 100
 61 144.1 0.0 297.4
 98 64.8 0.0 130.0



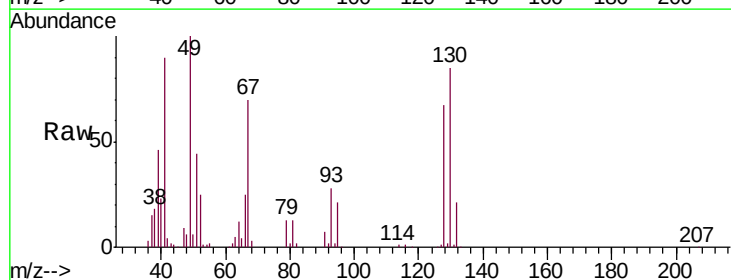
Abundance Ion 95.90 (95.60 to 96.60): VU0
 Ion 60.90 (60.60 to 61.60): VU0
 Ion 97.90 (97.60 to 98.60): VU0



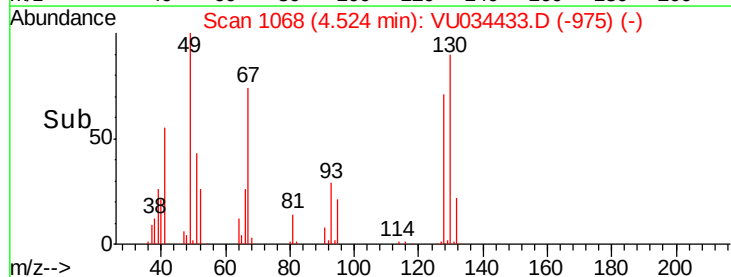
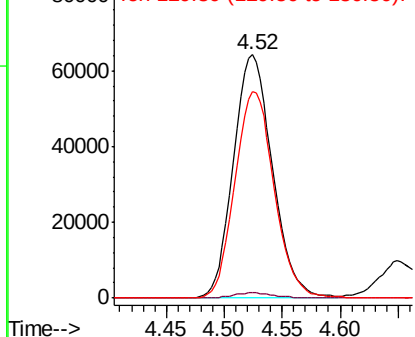
#28

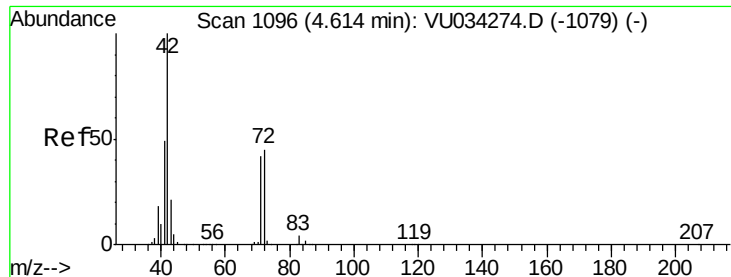
Bromochloromethane
 Concen: 50.044 ug/l
 RT: 4.52 min Scan# 1068
 Delta R.T. 0.00 min
 Lab File: VU034433.D
 Acq: 09 Sep 2019 15:09

Tgt Ion: 49 Resp: 150445
 Ion Ratio Lower Upper
 49 100
 129 2.1 0.0 3.8
 130 85.4 65.2 97.8



Abundance Ion 48.90 (48.60 to 49.60): VU0
 Ion 128.80 (128.50 to 129.50): V
 Ion 129.80 (129.50 to 130.50): V

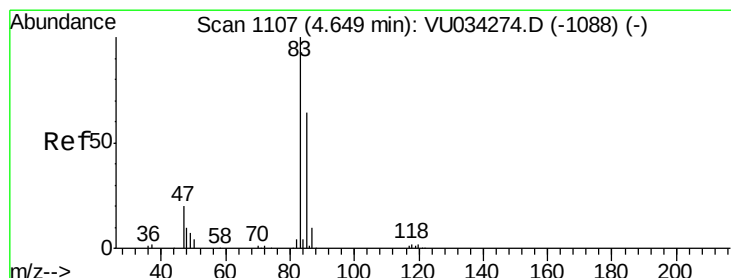
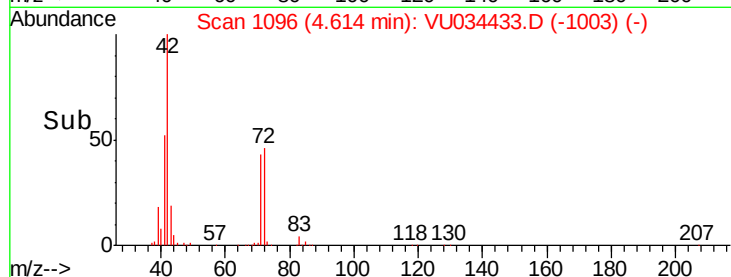
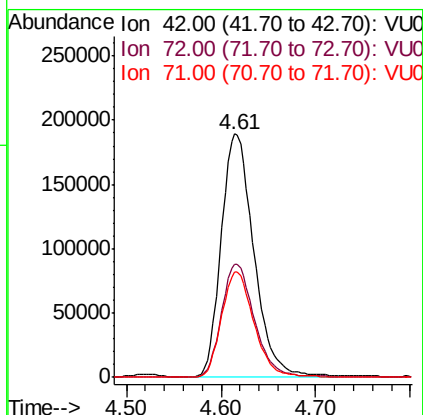
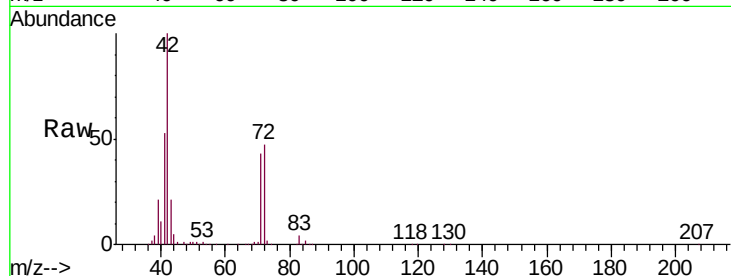




#29
Tetrahydrofuran
Concen: 263.752 ug/l
RT: 4.61 min Scan# 1096
Delta R.T. 0.00 min
Lab File: VU034433.D
Acq: 09 Sep 2019 15:09

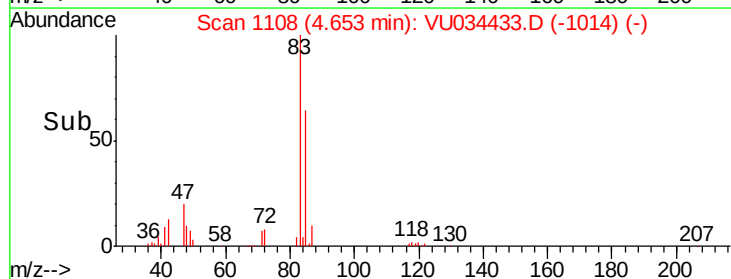
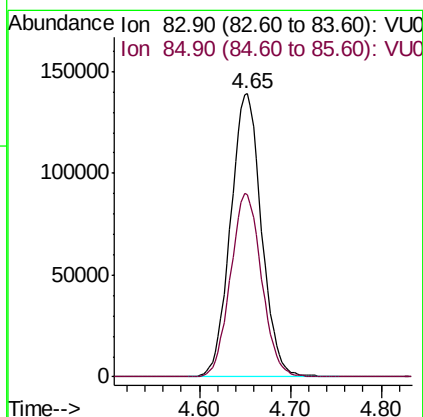
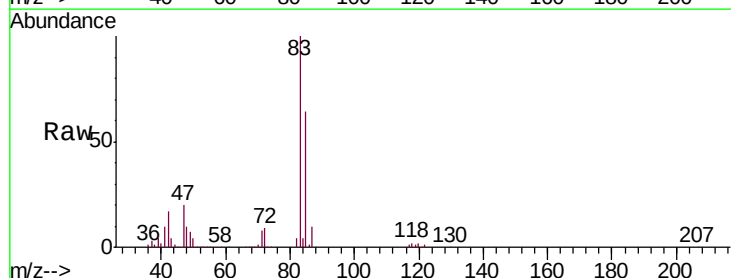
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

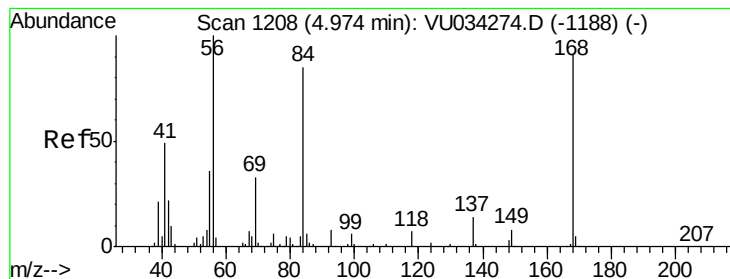
Tgt Ion: 42 Resp: 452588
Ion Ratio Lower Upper
42 100
72 47.3 36.6 54.8
71 43.5 34.3 51.5



#30
Chloroform
Concen: 49.399 ug/l
RT: 4.65 min Scan# 1108
Delta R.T. 0.00 min
Lab File: VU034433.D
Acq: 09 Sep 2019 15:09

Tgt Ion: 83 Resp: 328185
Ion Ratio Lower Upper
83 100
85 64.2 51.5 77.3





#31

Cyclohexane

Concen: 47.043 ug/l

RT: 4.97 min Scan# 1207

Delta R.T. -0.00 min

Lab File: VU034433.D

Acq: 09 Sep 2019 15:09

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

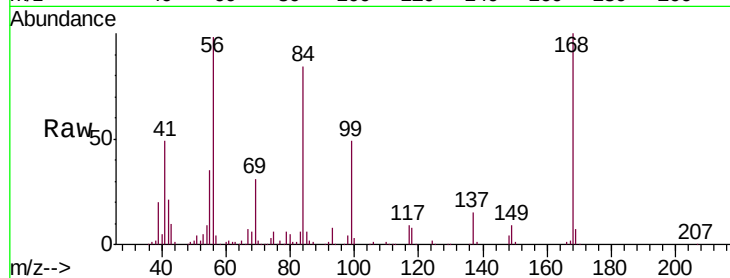
Tgt Ion: 56 Resp: 224942

Ion Ratio Lower Upper

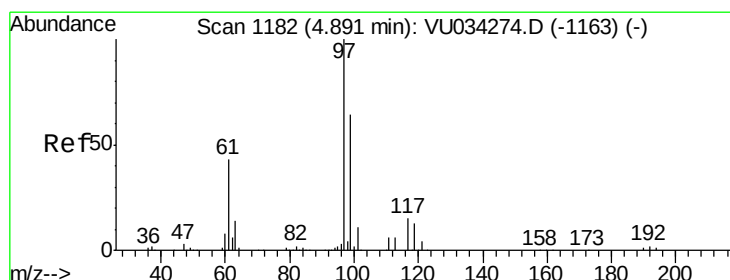
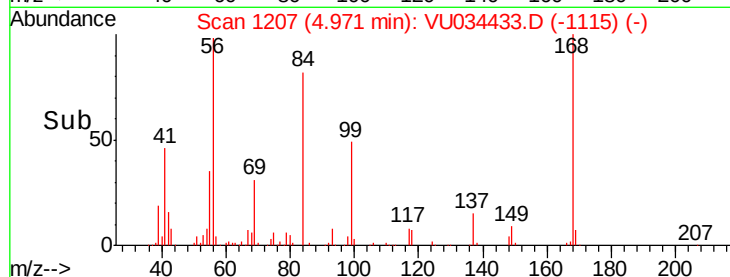
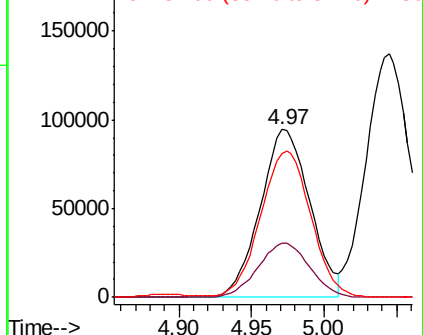
56 100

69 32.1 26.7 40.1

84 84.5 68.2 102.4



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



#32

1,1,1-Trichloroethane

Concen: 50.894 ug/l

RT: 4.89 min Scan# 1182

Delta R.T. 0.00 min

Lab File: VU034433.D

Acq: 09 Sep 2019 15:09

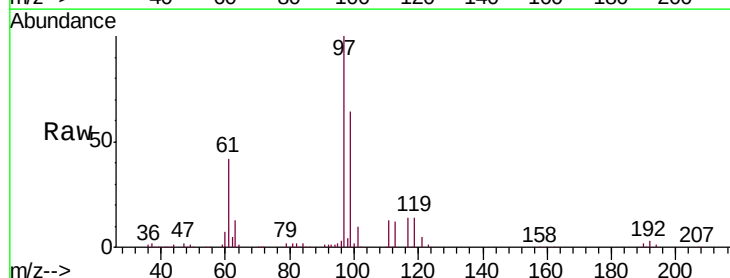
Tgt Ion: 97 Resp: 270330

Ion Ratio Lower Upper

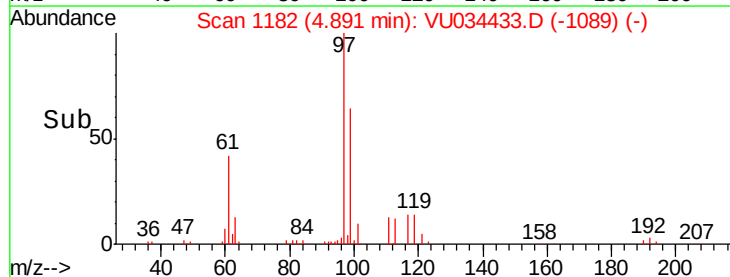
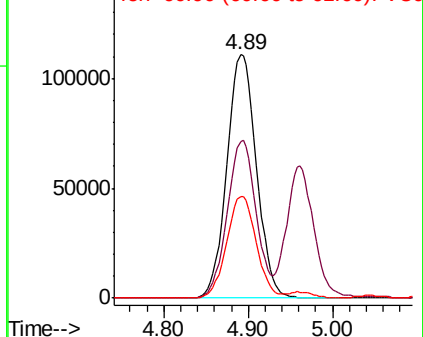
97 100

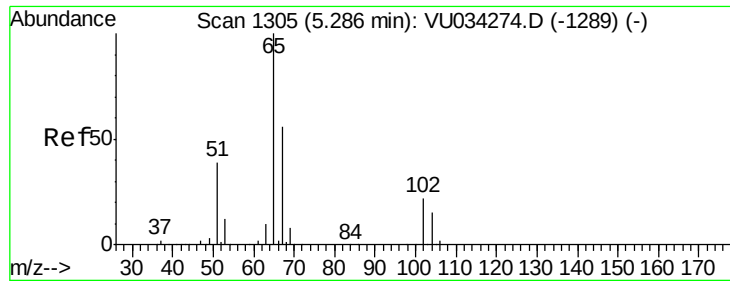
99 63.5 50.9 76.3

61 41.9 34.7 52.1



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

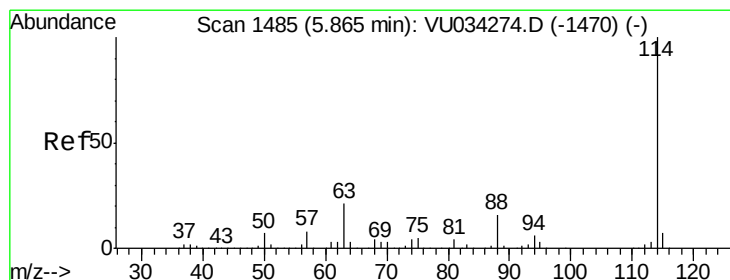
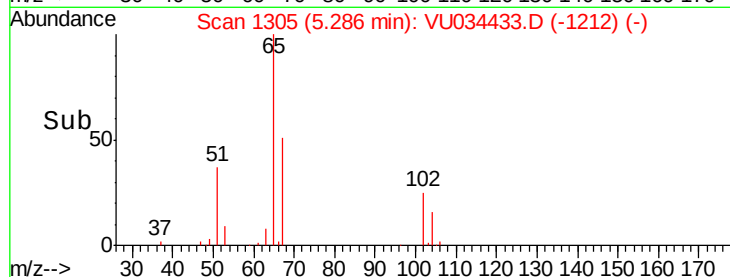
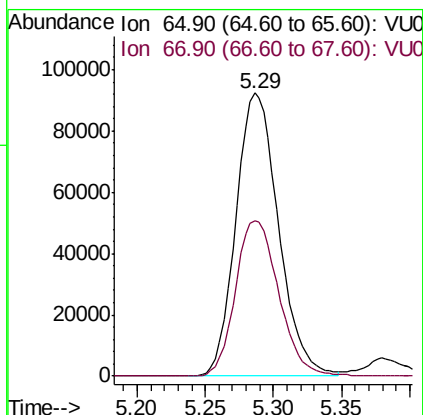
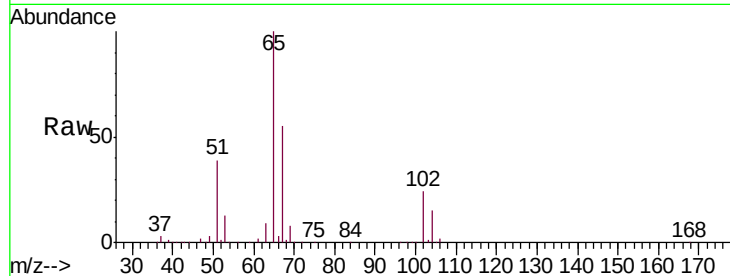




#33
 1,2-Dichloroethane-d4
 Concen: 49.125 ug/l
 RT: 5.29 min Scan# 1305
 Delta R.T. 0.00 min
 Lab File: VU034433.D
 Acq: 09 Sep 2019 15:09

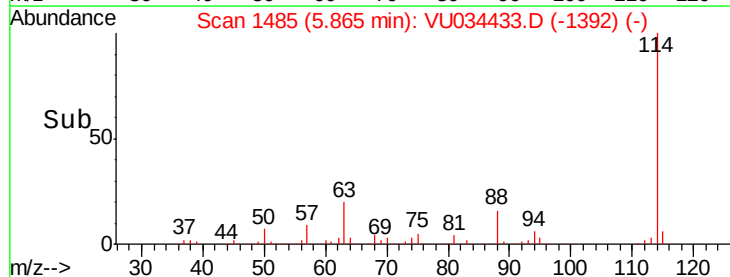
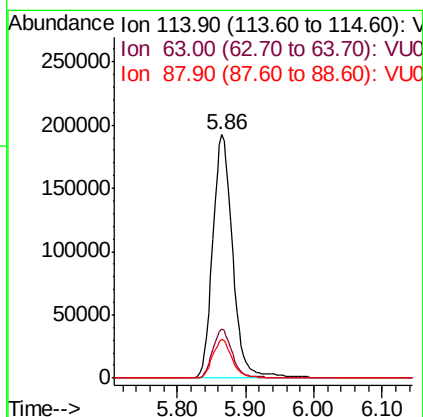
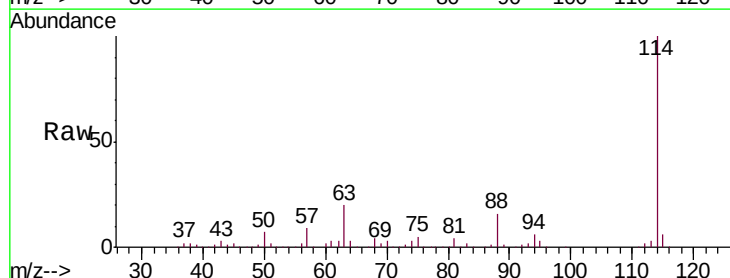
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

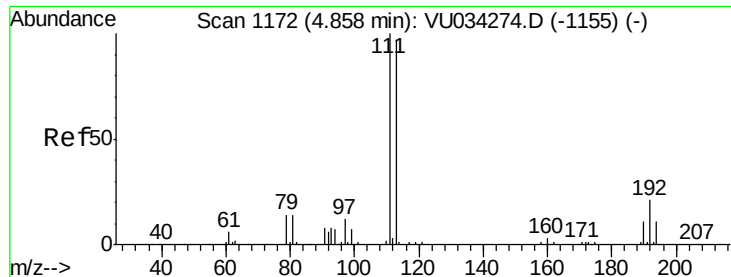
Tgt Ion: 65 Resp: 200539
 Ion Ratio Lower Upper
 65 100
 67 56.0 0.0 112.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.86 min Scan# 1485
 Delta R.T. 0.00 min
 Lab File: VU034433.D
 Acq: 09 Sep 2019 15:09

Tgt Ion: 114 Resp: 391704
 Ion Ratio Lower Upper
 114 100
 63 20.0 0.0 42.4
 88 15.8 0.0 32.4

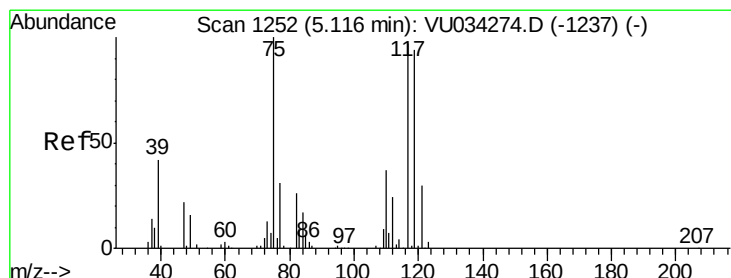
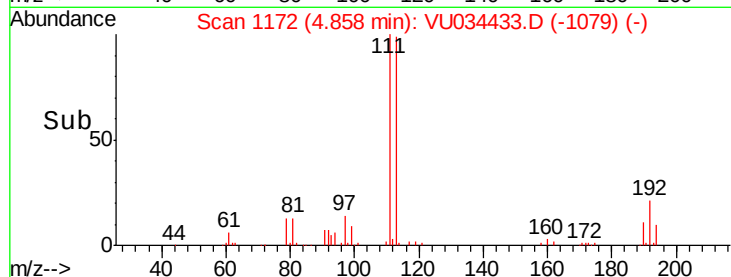
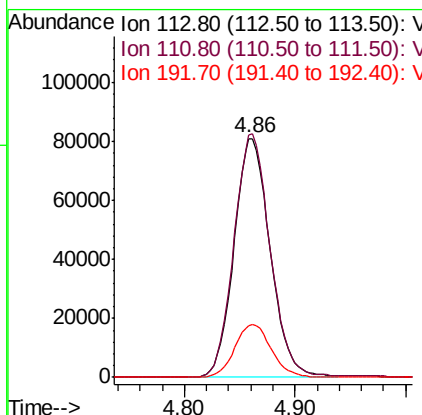
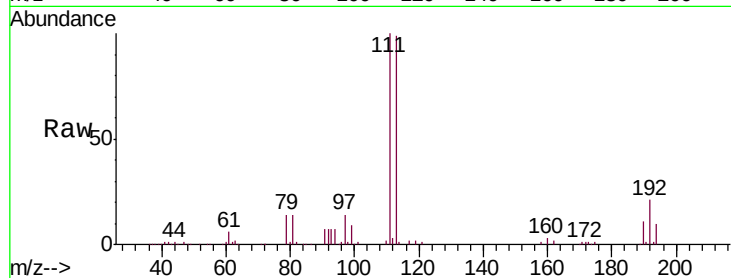




#35
 Dibromofluoromethane
 Concen: 50.506 ug/l
 RT: 4.86 min Scan# 1172
 Delta R.T. 0.00 min
 Lab File: VU034433.D
 Acq: 09 Sep 2019 15:09

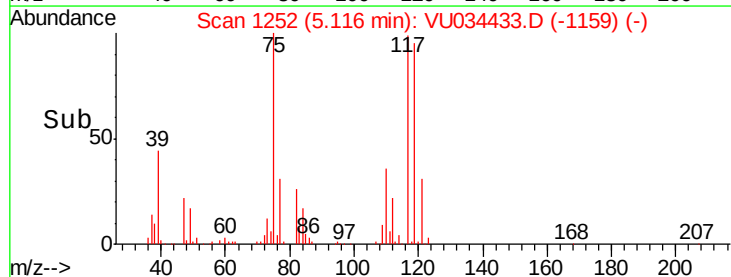
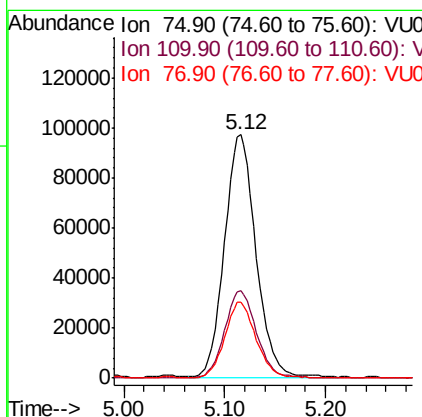
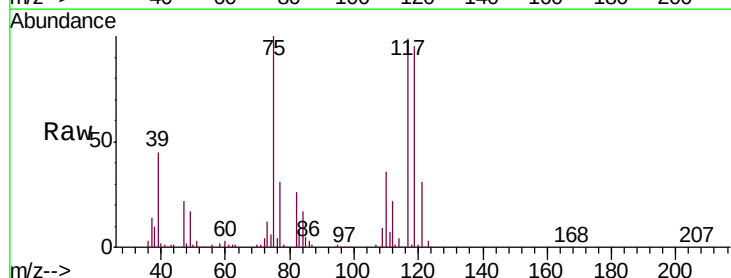
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

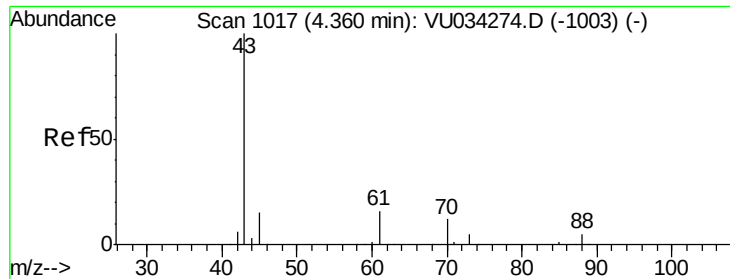
Tgt Ion: 113 Resp: 184084
 Ion Ratio Lower Upper
 113 100
 111 102.2 81.5 122.3
 192 22.4 17.8 26.8



#36
 1,1-Dichloropropene
 Concen: 49.415 ug/l
 RT: 5.12 min Scan# 1252
 Delta R.T. 0.00 min
 Lab File: VU034433.D
 Acq: 09 Sep 2019 15:09

Tgt Ion: 75 Resp: 209920
 Ion Ratio Lower Upper
 75 100
 110 36.7 18.3 54.9
 77 30.8 24.9 37.3

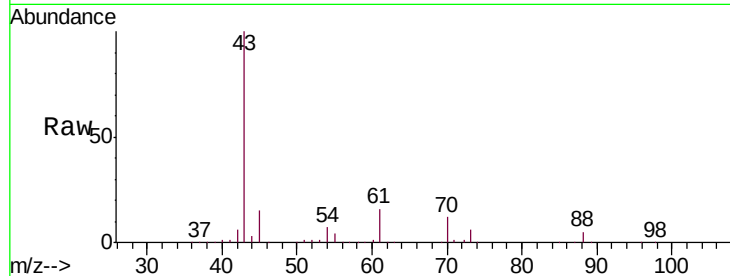




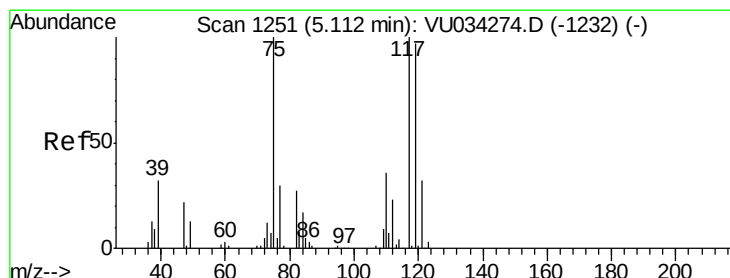
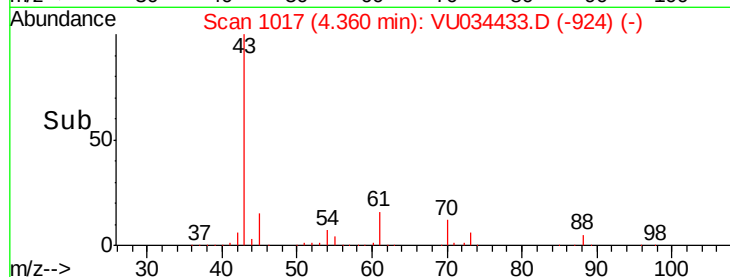
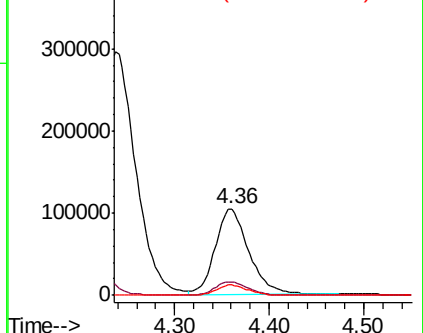
#37
 Ethyl Acetate
 Concen: 51.125 ug/l
 RT: 4.36 min Scan# 1017
 Delta R.T. 0.00 min
 Lab File: VU034433.D
 Acq: 09 Sep 2019 15:09

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tgt Ion: 43 Resp: 256778
 Ion Ratio Lower Upper
 43 100
 61 15.4 12.3 18.5
 70 11.5 9.1 13.7

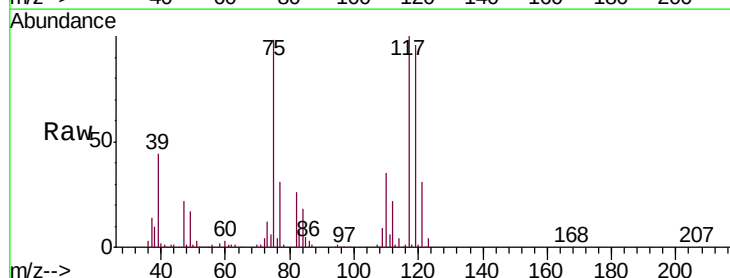


Abundance Ion 43.00 (42.70 to 43.70): VU0
 Ion 60.90 (60.60 to 61.60): VU0
 Ion 70.00 (69.70 to 70.70): VU0

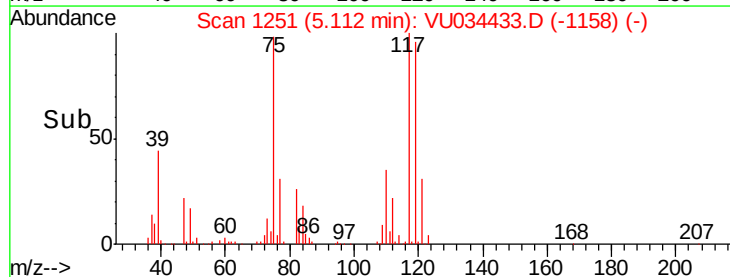
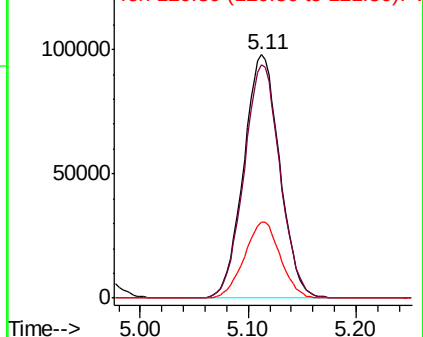


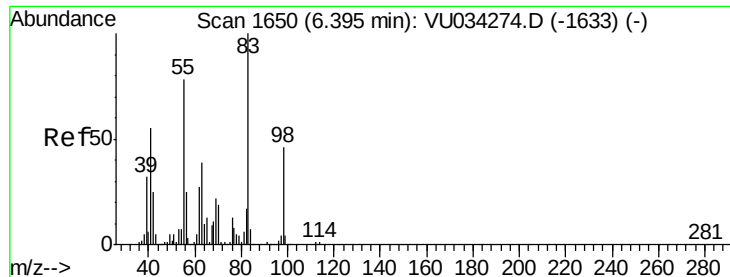
#38
 Carbon Tetrachloride
 Concen: 49.769 ug/l
 RT: 5.11 min Scan# 1251
 Delta R.T. 0.00 min
 Lab File: VU034433.D
 Acq: 09 Sep 2019 15:09

Tgt Ion: 117 Resp: 225742
 Ion Ratio Lower Upper
 117 100
 119 96.0 77.8 116.6
 121 31.3 25.2 37.8



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

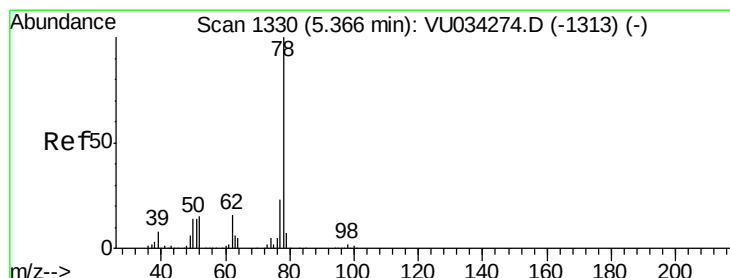
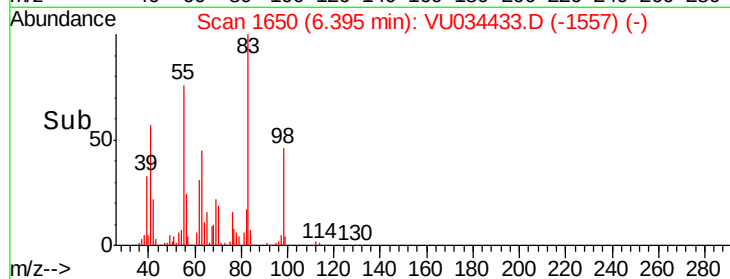
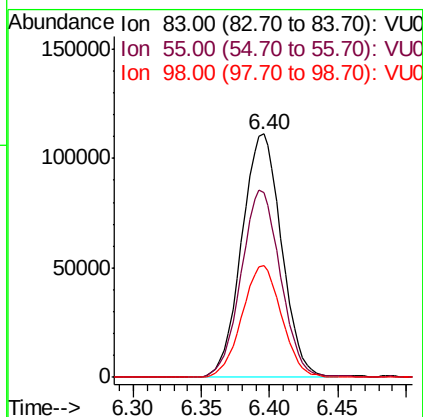
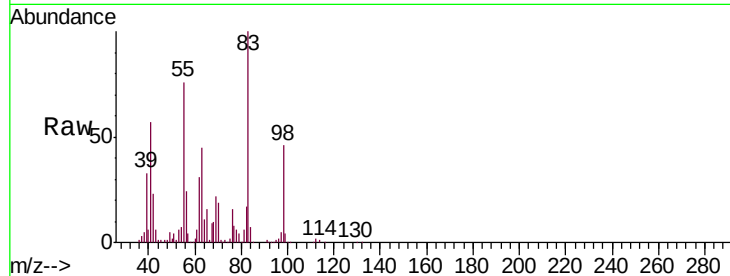




#39
Methylcyclohexane
Concen: 49.587 ug/l
RT: 6.40 min Scan# 1650
Delta R.T. 0.00 min
Lab File: VU034433.D
Acq: 09 Sep 2019 15:09

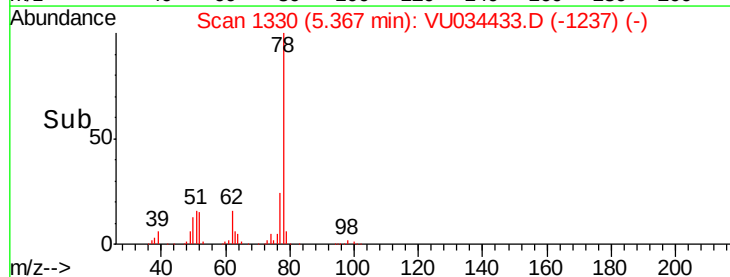
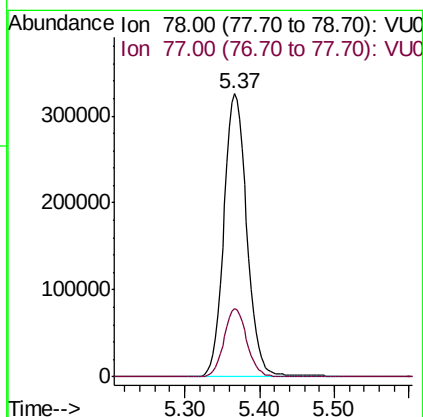
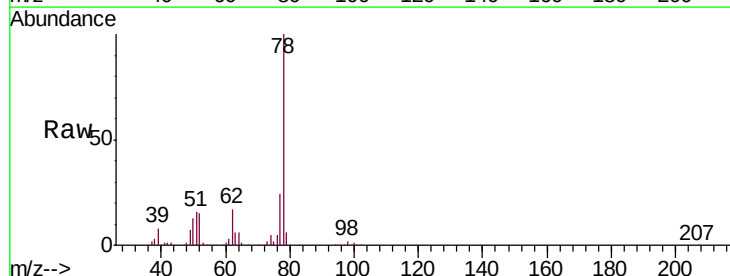
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

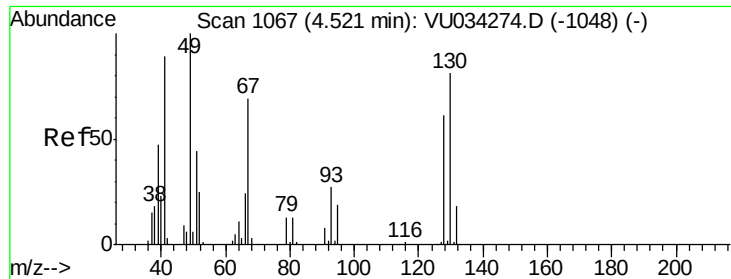
Tgt Ion: 83 Resp: 225182
Ion Ratio Lower Upper
83 100
55 75.9 62.1 93.1
98 46.1 37.0 55.6



#40
Benzene
Concen: 50.552 ug/l
RT: 5.37 min Scan# 1330
Delta R.T. 0.00 min
Lab File: VU034433.D
Acq: 09 Sep 2019 15:09

Tgt Ion: 78 Resp: 692945
Ion Ratio Lower Upper
78 100
77 23.9 18.7 28.1

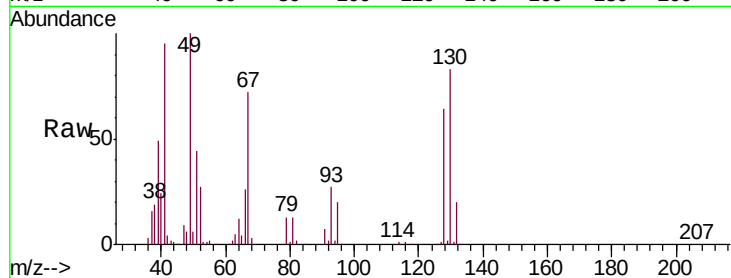




#41
Methacrylonitrile
Concen: 53.608 ug/l
RT: 4.52 min Scan# 1067
Delta R.T. 0.00 min
Lab File: VU034433.D
Acq: 09 Sep 2019 15:09

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tgt Ion:	41	Resp:	143420
Ion	Ratio	Lower	Upper
41	100		
39	51.3	41.0	61.4
67	79.6	62.4	93.6
52	28.9	23.6	35.4



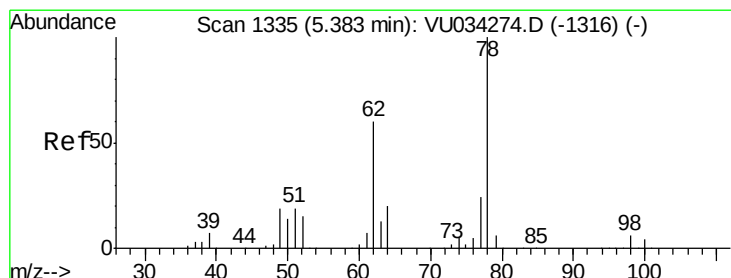
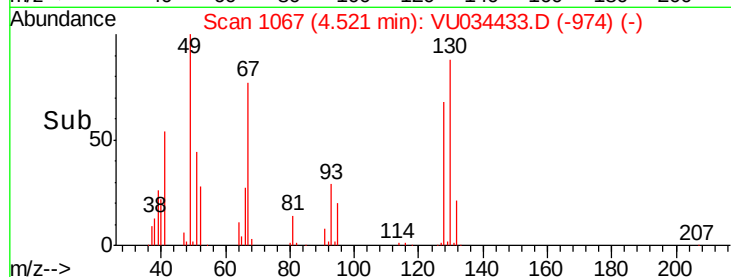
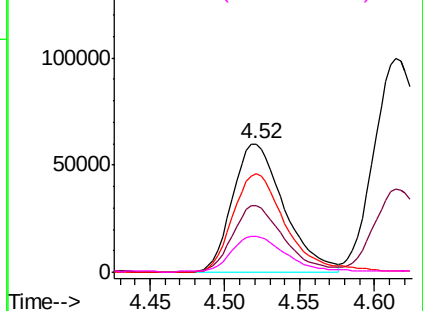
Abundance

Ion 41.00 (40.70 to 41.70): VU0

Ion 39.00 (38.70 to 39.70): VU0

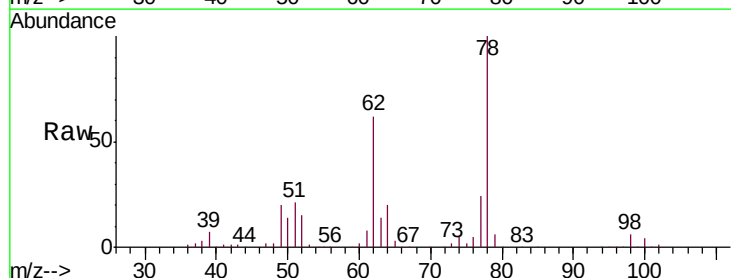
Ion 67.00 (66.70 to 67.70): VU0

Ion 52.00 (51.70 to 52.70): VU0



#42
1,2-Dichloroethane
Concen: 49.707 ug/l
RT: 5.38 min Scan# 1335
Delta R.T. 0.00 min
Lab File: VU034433.D
Acq: 09 Sep 2019 15:09

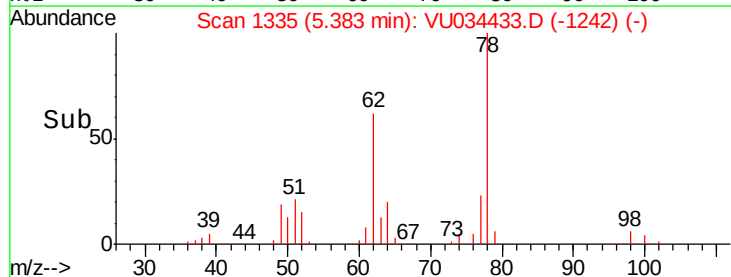
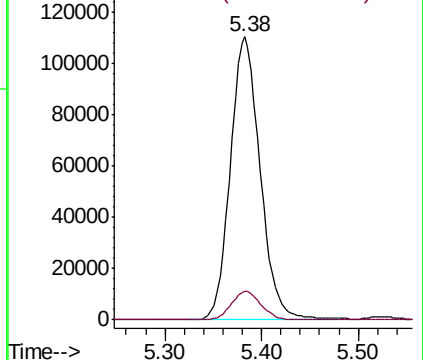
Tgt Ion:	62	Resp:	236561
Ion	Ratio	Lower	Upper
62	100		
98	10.1	0.0	20.0

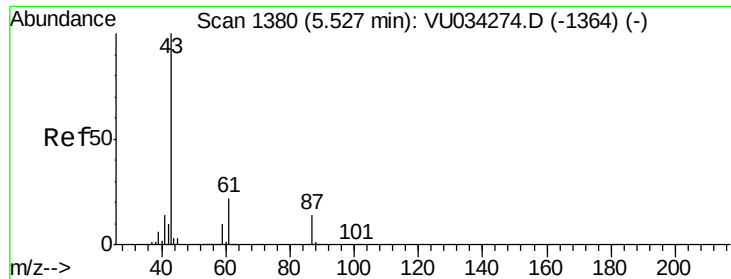


Abundance

Ion 61.90 (61.60 to 62.60): VU0

Ion 97.90 (97.60 to 98.60): VU0





#43

Isopropyl Acetate

Concen: 51.369 ug/l

RT: 5.53 min Scan# 1380

Delta R.T. 0.00 min

Lab File: VU034433.D

Acq: 09 Sep 2019 15:09

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

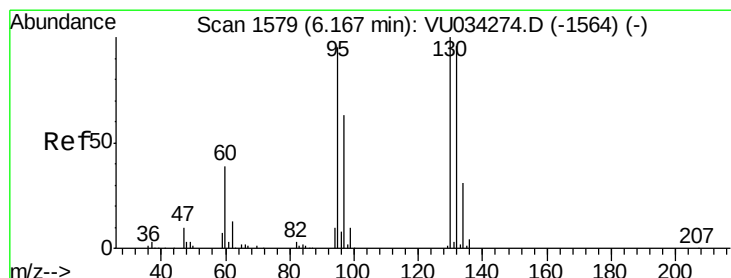
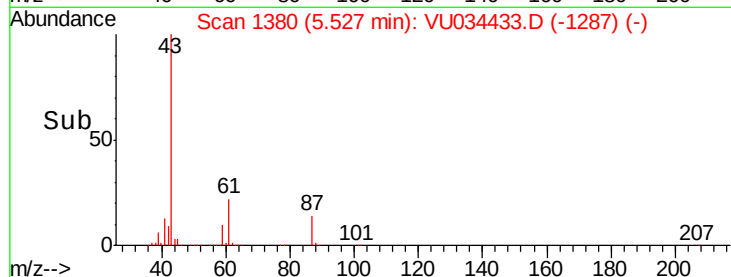
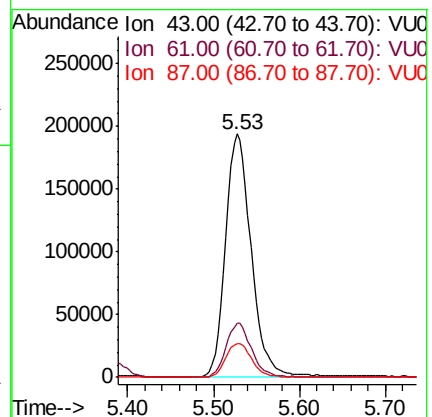
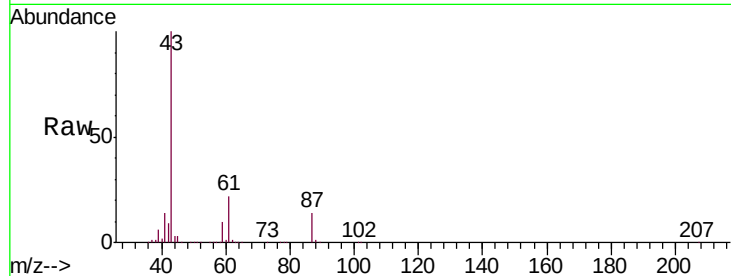
Tgt Ion: 43 Resp: 402488

Ion Ratio Lower Upper

43 100

61 22.1 17.1 25.7

87 14.2 11.1 16.7



#44

Trichloroethene

Concen: 50.544 ug/l

RT: 6.16 min Scan# 1578

Delta R.T. -0.00 min

Lab File: VU034433.D

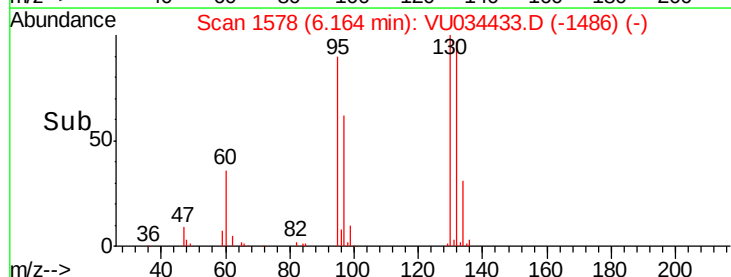
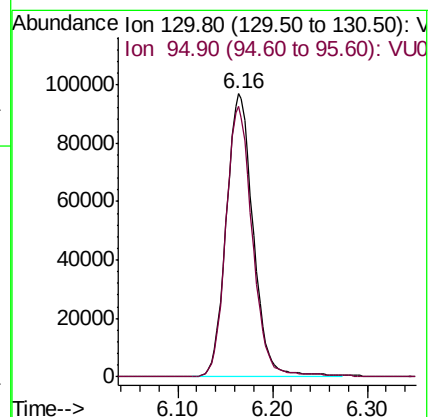
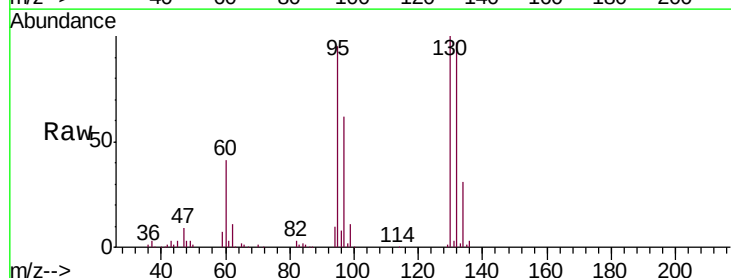
Acq: 09 Sep 2019 15:09

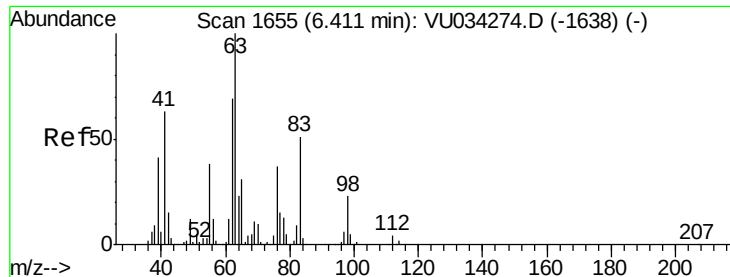
Tgt Ion: 130 Resp: 191721

Ion Ratio Lower Upper

130 100

95 95.4 0.0 189.2





#45

1,2-Dichloropropane

Concen: 50.554 ug/l

RT: 6.41 min Scan# 1655

Delta R.T. 0.00 min

Lab File: VU034433.D

Acq: 09 Sep 2019 15:09

Instrument :

MSVOA_U

ClientSampleId :

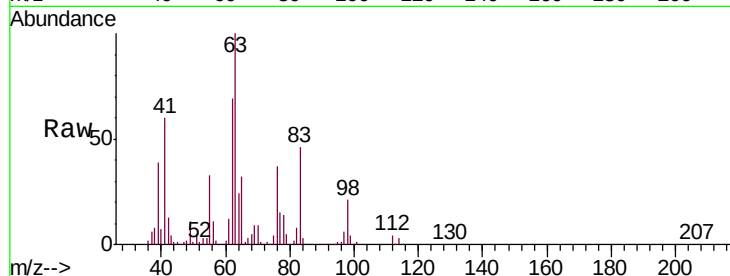
VSTDCCC050EC

Tgt Ion: 63 Resp: 202585

Ion Ratio Lower Upper

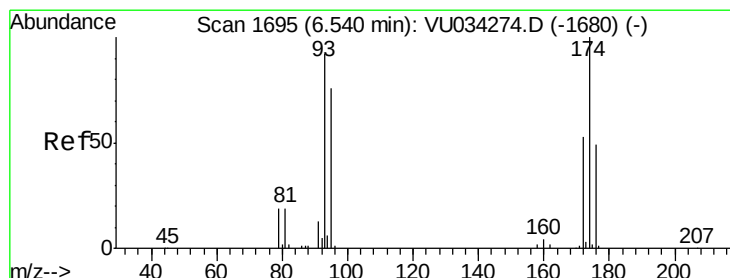
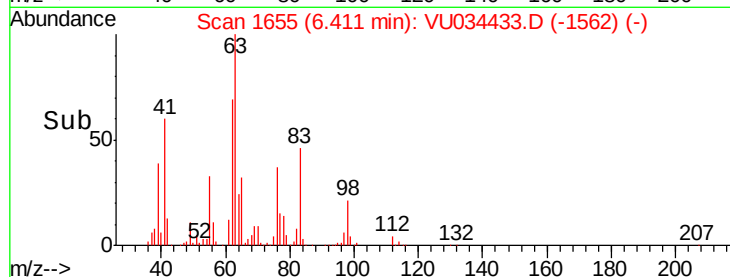
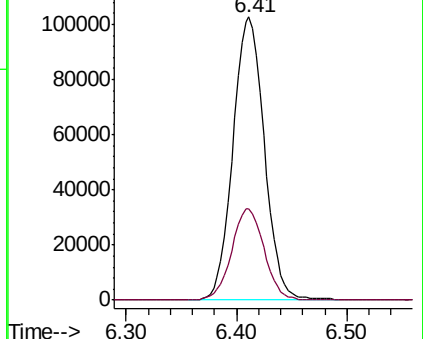
63 100

65 32.2 24.6 37.0



Abundance Ion 62.90 (62.60 to 63.60): VU034433.D (-1638) (-)

Ion 64.90 (64.60 to 65.60): VU034433.D (-1638) (-)



#46

Dibromomethane

Concen: 51.676 ug/l

RT: 6.54 min Scan# 1694

Delta R.T. -0.00 min

Lab File: VU034433.D

Acq: 09 Sep 2019 15:09

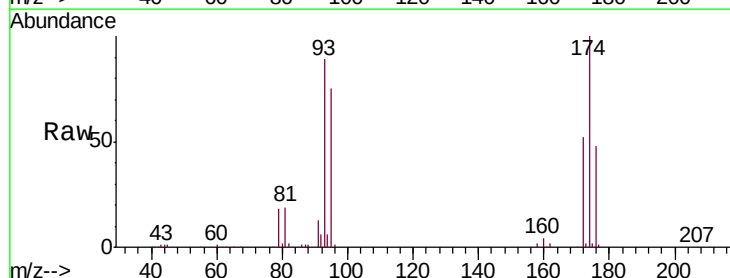
Tgt Ion: 93 Resp: 129985

Ion Ratio Lower Upper

93 100

95 83.7 66.5 99.7

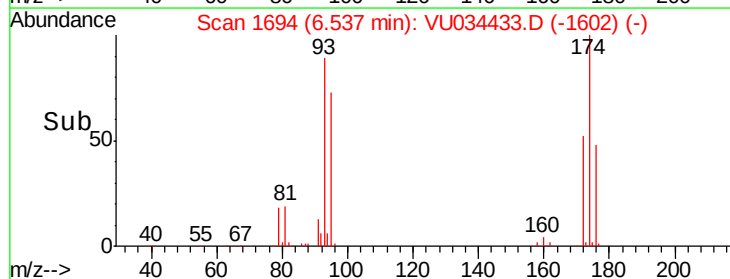
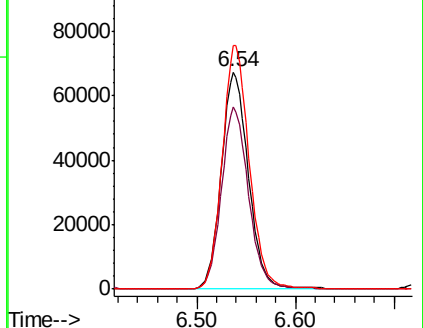
174 111.8 87.8 131.6

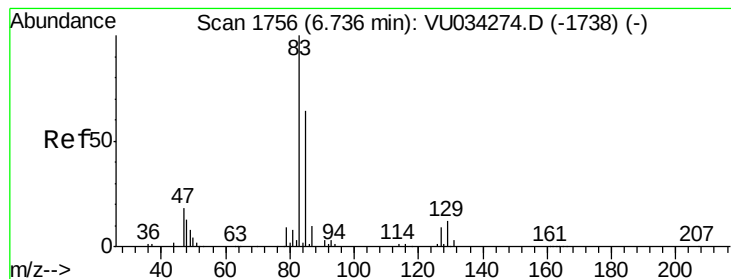


Abundance Ion 92.80 (92.50 to 93.50): VU034433.D (-1602) (-)

Ion 94.80 (94.50 to 95.50): VU034433.D (-1602) (-)

Ion 173.70 (173.40 to 174.40): VU034433.D (-1602) (-)





#47

Bromodichloromethane

Concen: 51.155 ug/l

RT: 6.73 min Scan# 1755

Delta R.T. -0.00 min

Lab File: VU034433.D

Acq: 09 Sep 2019 15:09

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

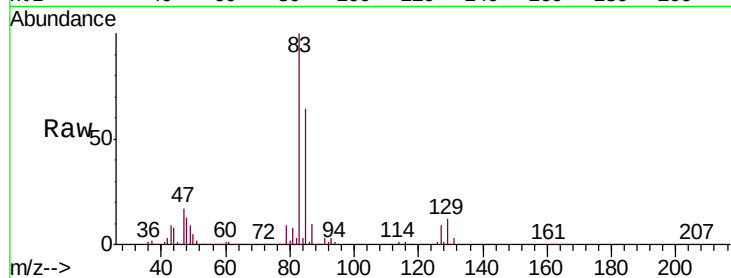
Tgt Ion: 83 Resp: 264864

Ion Ratio Lower Upper

83 100

85 63.6 51.1 76.7

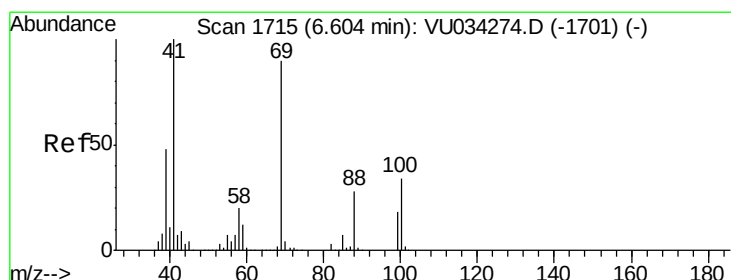
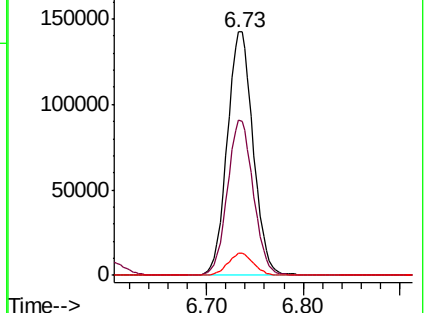
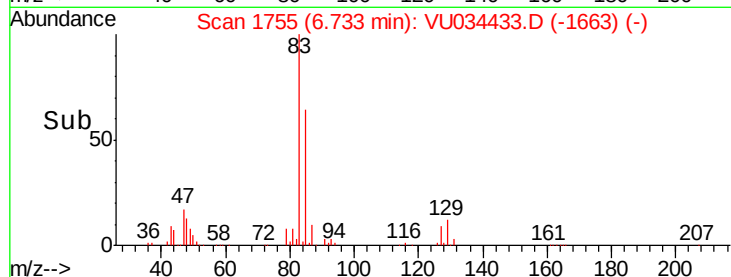
127 9.0 7.2 10.8



Abundance Ion 82.90 (82.60 to 83.60): VU034433.D (-1663) (-)

Ion 84.90 (84.60 to 85.60): VU034433.D (-1663) (-)

Ion 126.80 (126.50 to 127.50): VU034433.D (-1663) (-)



#48

Methyl methacrylate

Concen: 50.479 ug/l

RT: 6.60 min Scan# 1714

Delta R.T. -0.00 min

Lab File: VU034433.D

Acq: 09 Sep 2019 15:09

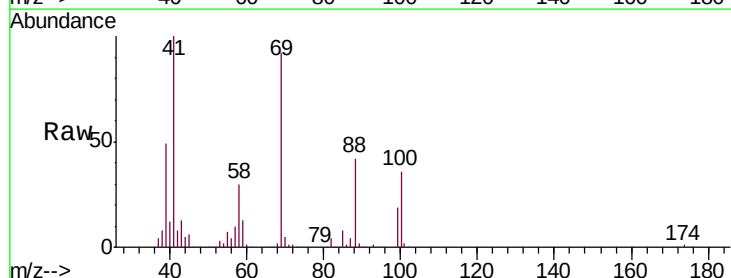
Tgt Ion: 41 Resp: 187853

Ion Ratio Lower Upper

41 100

69 94.9 72.8 109.2

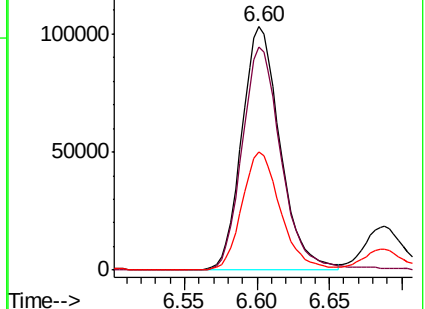
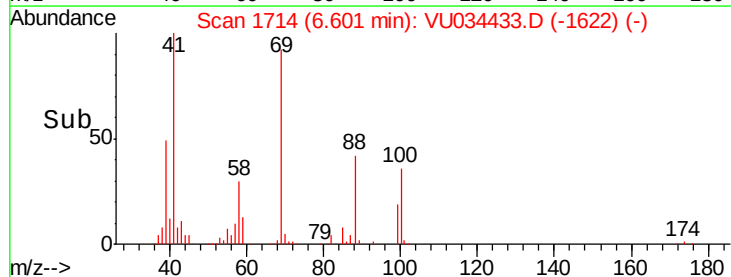
39 48.5 38.6 58.0

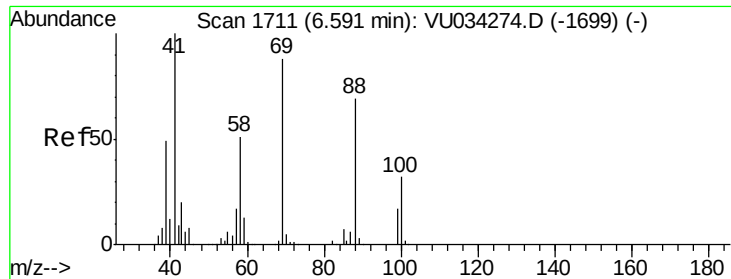


Abundance Ion 41.00 (40.70 to 41.70): VU034433.D (-1622) (-)

Ion 69.00 (68.70 to 69.70): VU034433.D (-1622) (-)

Ion 39.00 (38.70 to 39.70): VU034433.D (-1622) (-)

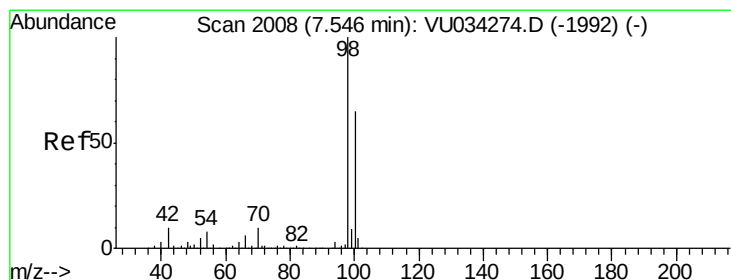
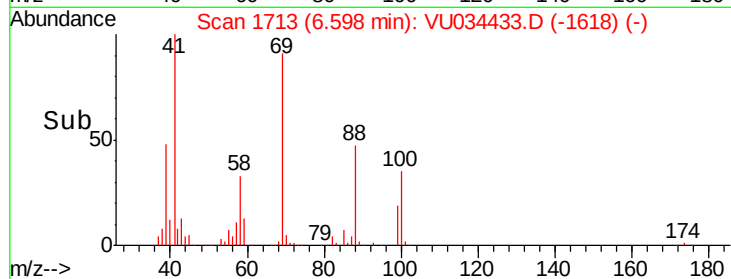
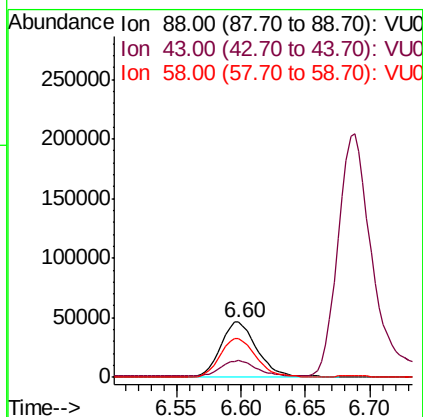
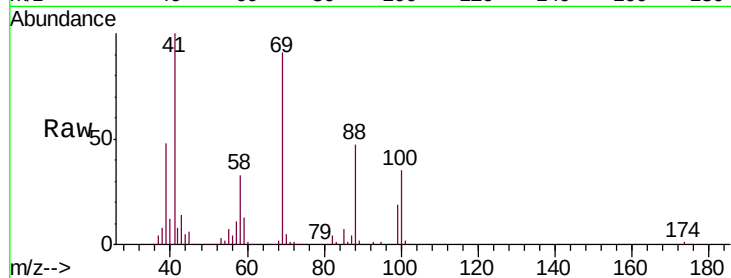




#49
1,4-Dioxane
Concen: 1109.622 ug/l
RT: 6.60 min Scan# 1713
Delta R.T. 0.01 min
Lab File: VU034433.D
Acq: 09 Sep 2019 15:09

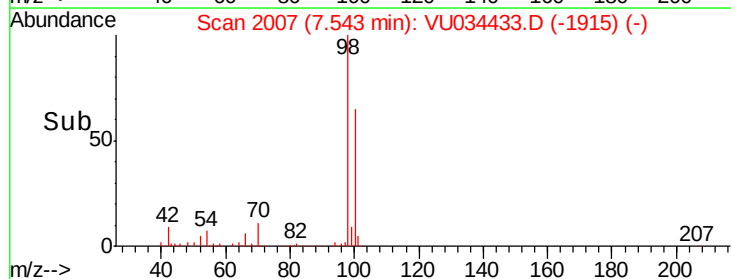
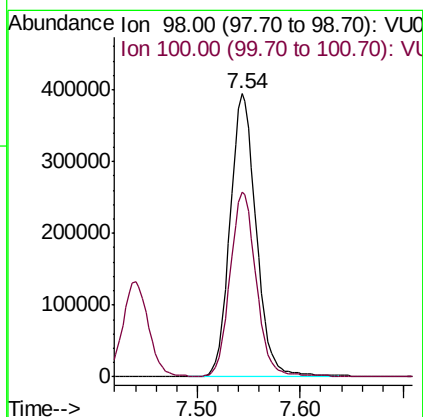
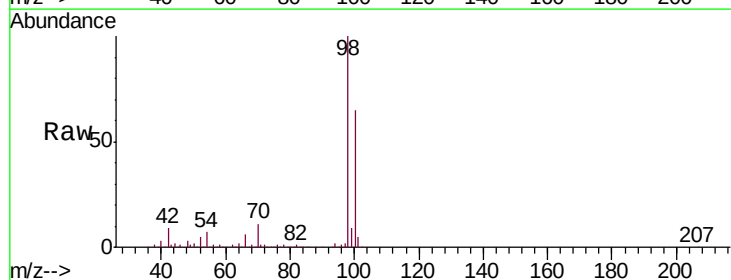
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

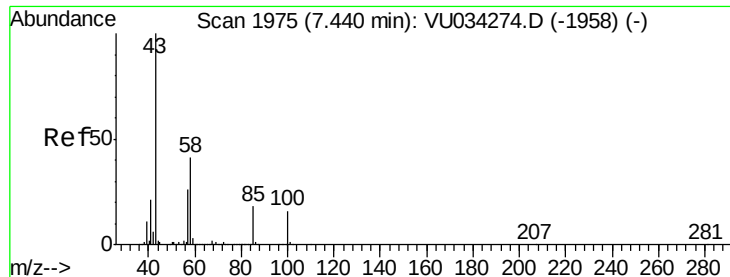
Tgt Ion: 88 Resp: 90170
Ion Ratio Lower Upper
88 100
43 27.7 23.8 35.6
58 70.8 58.4 87.6



#50
Toluene-d8
Concen: 50.938 ug/l
RT: 7.54 min Scan# 2007
Delta R.T. -0.00 min
Lab File: VU034433.D
Acq: 09 Sep 2019 15:09

Tgt Ion: 98 Resp: 697526
Ion Ratio Lower Upper
98 100
100 65.0 51.7 77.5





#51

4-Methyl-2-Pentanone

Concen: 257.973 ug/l

RT: 7.44 min Scan# 1975

Delta R.T. 0.00 min

Lab File: VU034433.D

Acq: 09 Sep 2019 15:09

Instrument :

MSVOA_U

ClientSampleId :

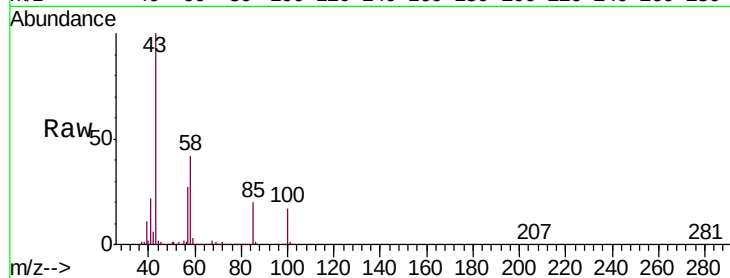
VSTDCCC050EC

Tgt Ion: 43 Resp: 1399117

Ion Ratio Lower Upper

43 100

58 42.0 33.0 49.4



Abundance Ion 43.00 (42.70 to 43.70): VU034433.D (-1882) (-)

Ion 58.00 (57.70 to 58.70): VU034433.D (-1882) (-)

7.44

800000

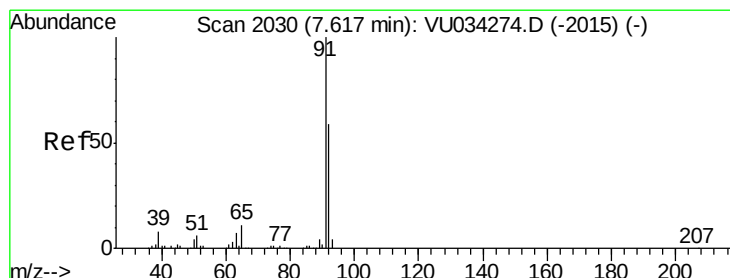
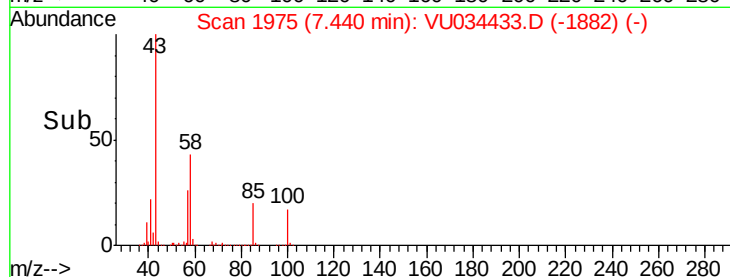
600000

400000

200000

0

Time--> 7.30 7.40 7.50



#52

Toluene

Concen: 51.703 ug/l

RT: 7.62 min Scan# 2030

Delta R.T. 0.00 min

Lab File: VU034433.D

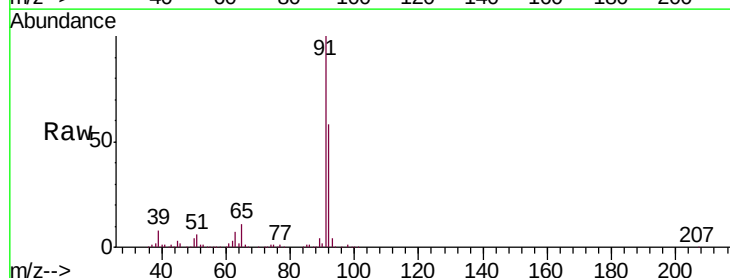
Acq: 09 Sep 2019 15:09

Tgt Ion: 92 Resp: 444580

Ion Ratio Lower Upper

92 100

91 171.7 136.6 205.0



Abundance Ion 92.00 (91.70 to 92.70): VU034433.D (-1937) (-)

Ion 91.00 (90.70 to 91.70): VU034433.D (-1937) (-)

7.62

500000

400000

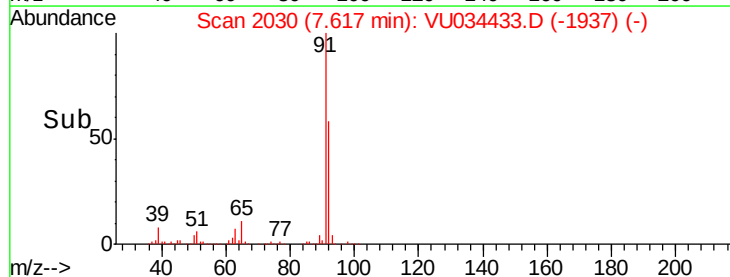
300000

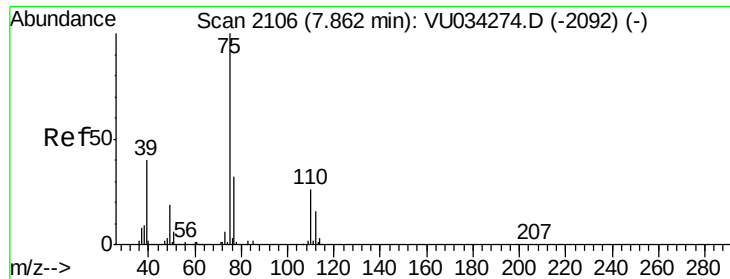
200000

100000

0

Time--> 7.50 7.60 7.70





#53

t-1,3-Dichloropropene

Concen: 52.343 ug/l

RT: 7.86 min Scan# 2105

Delta R.T. -0.00 min

Lab File: VU034433.D

Acq: 09 Sep 2019 15:09

Instrument :

MSVOA_U

ClientSampleId :

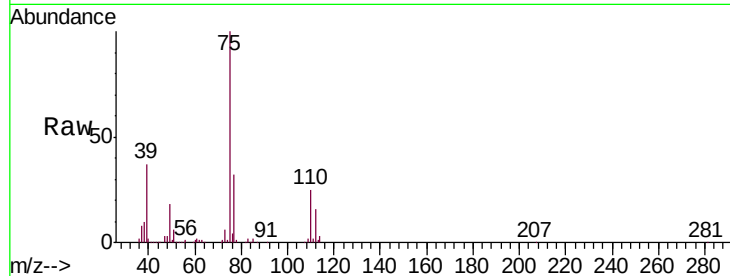
VSTDCCC050EC

Tgt Ion: 75 Resp: 280943

Ion Ratio Lower Upper

75 100

77 31.8 25.7 38.5



Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 76.90 (76.60 to 77.60): VU0

7.86

150000

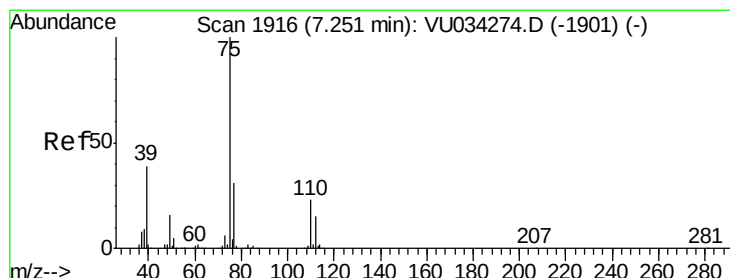
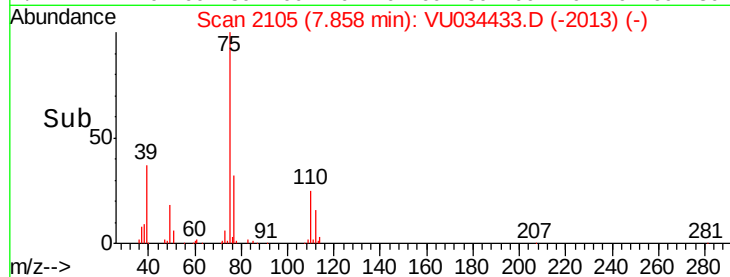
100000

50000

0

7.80 7.85 7.90 7.95

Time-->



#54

cis-1,3-Dichloropropene

Concen: 52.708 ug/l

RT: 7.25 min Scan# 1915

Delta R.T. -0.00 min

Lab File: VU034433.D

Acq: 09 Sep 2019 15:09

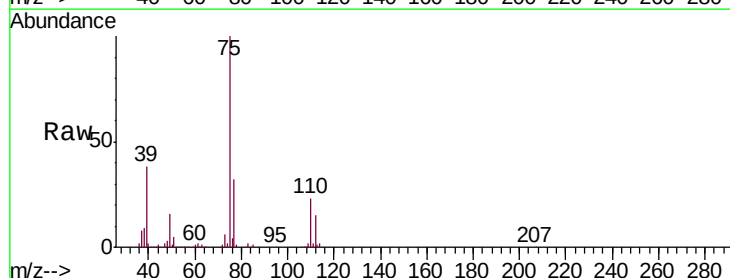
Tgt Ion: 75 Resp: 310495

Ion Ratio Lower Upper

75 100

77 31.8 25.1 37.7

39 38.2 31.2 46.8



Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 76.90 (76.60 to 77.60): VU0

Ion 39.00 (38.70 to 39.70): VU0

7.25

200000

150000

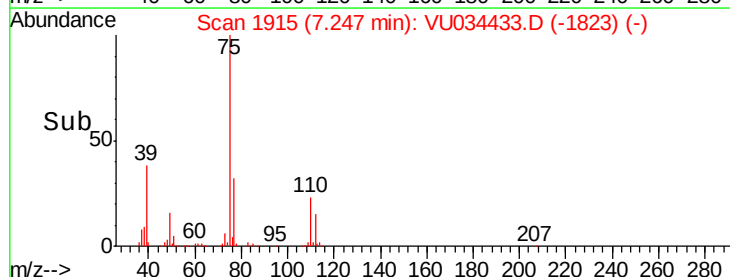
100000

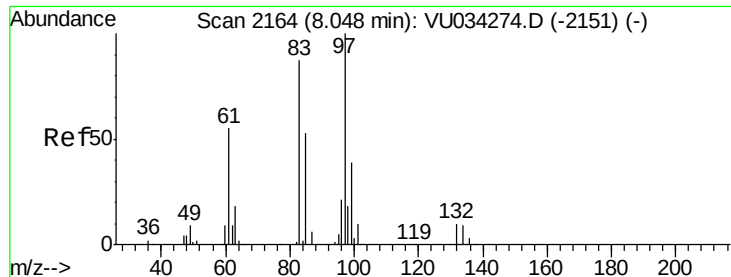
50000

0

7.15 7.20 7.25 7.30 7.35

Time-->

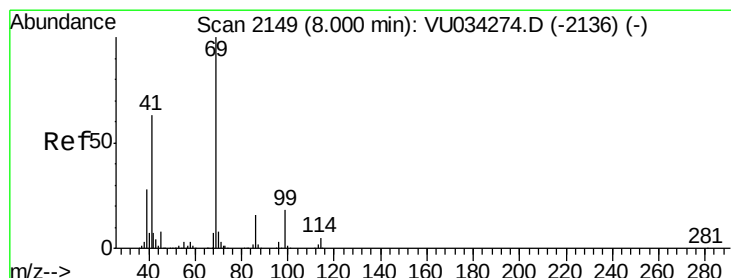
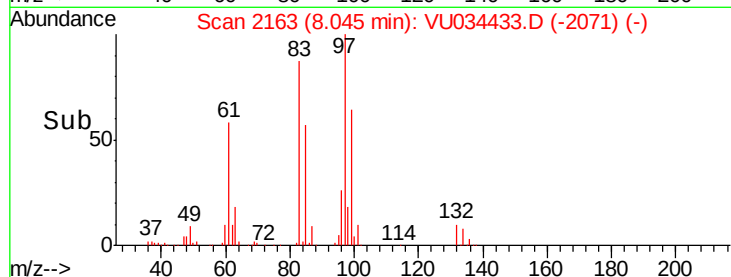
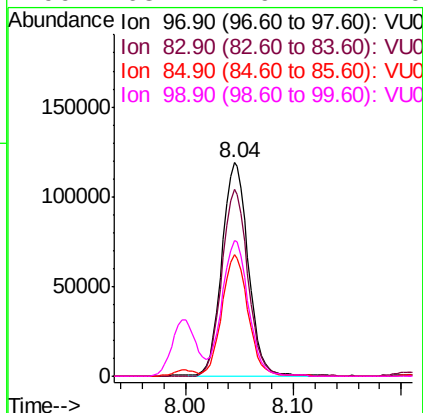
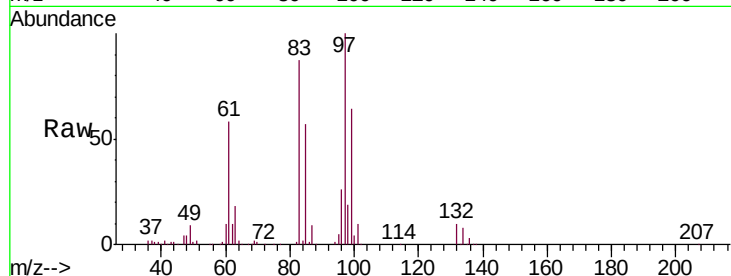




#55
 1,1,2-Trichloroethane
 Concen: 51.374 ug/l
 RT: 8.04 min Scan# 2163
 Delta R.T. -0.00 min
 Lab File: VU034433.D
 Acq: 09 Sep 2019 15:09

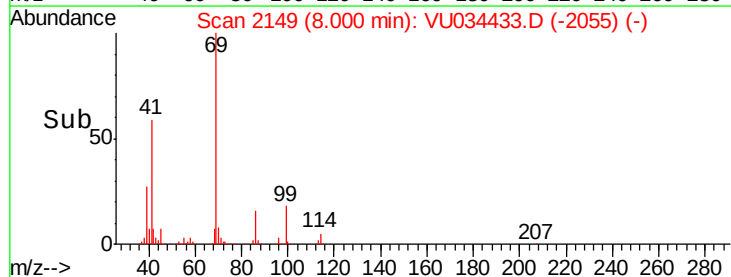
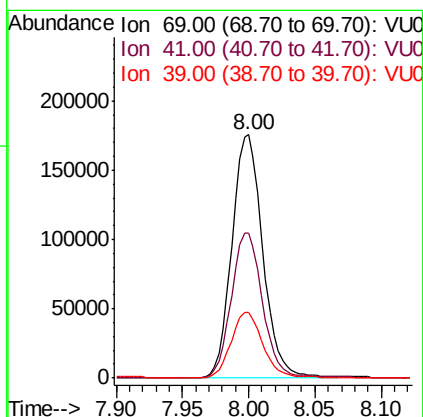
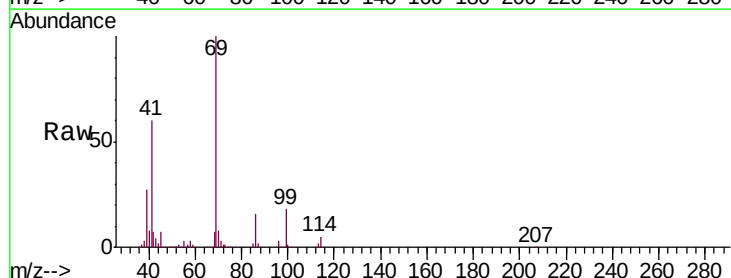
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

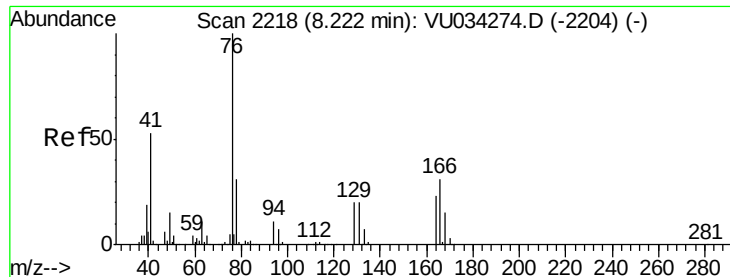
Tgt Ion:	97	Resp:	200591
Ion	Ratio	Lower	Upper
97	100		
83	87.6	69.0	103.6
85	56.7	44.2	66.2
99	63.7	49.4	74.0



#56
 Ethyl methacrylate
 Concen: 48.157 ug/l
 RT: 8.00 min Scan# 2149
 Delta R.T. 0.00 min
 Lab File: VU034433.D
 Acq: 09 Sep 2019 15:09

Tgt Ion:	69	Resp:	284951
Ion	Ratio	Lower	Upper
69	100		
41	60.5	49.5	74.3
39	27.6	22.5	33.7





#57

1,3-Dichloropropane

Concen: 50.958 ug/l

RT: 8.22 min Scan# 2218

Delta R.T. 0.00 min

Lab File: VU034433.D

Acq: 09 Sep 2019 15:09

Instrument :

MSVOA_U

ClientSampleId :

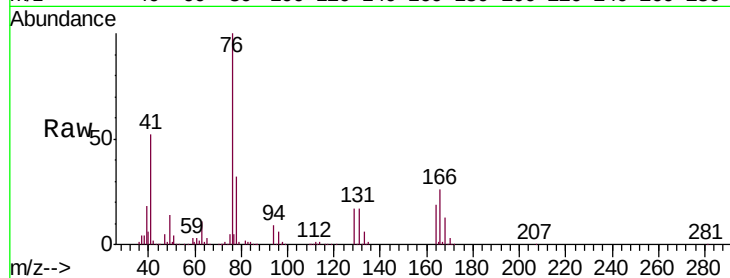
VSTDCCC050EC

Tgt Ion: 76 Resp: 323981

Ion Ratio Lower Upper

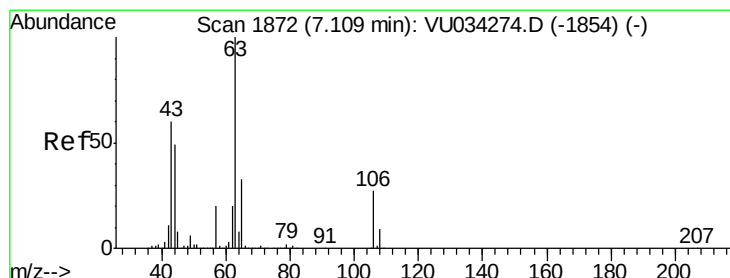
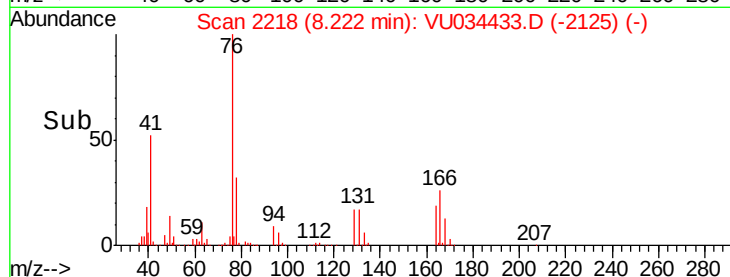
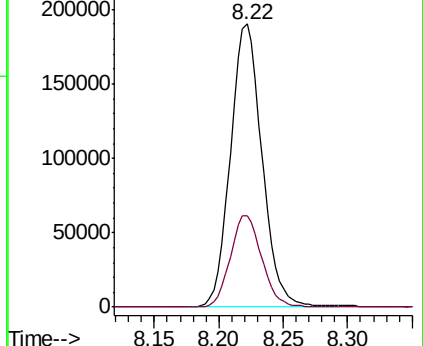
76 100

78 32.4 25.4 38.2



Abundance Ion 75.90 (75.60 to 76.60): VU0

Ion 77.90 (77.60 to 78.60): VU0



#58

2-Chloroethyl Vinyl ether

Concen: 253.143 ug/l

RT: 7.11 min Scan# 1871

Delta R.T. -0.00 min

Lab File: VU034433.D

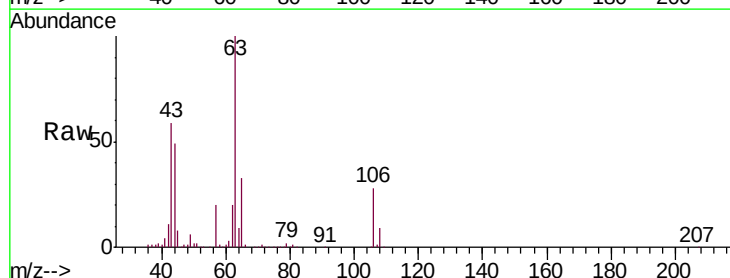
Acq: 09 Sep 2019 15:09

Tgt Ion: 63 Resp: 508491

Ion Ratio Lower Upper

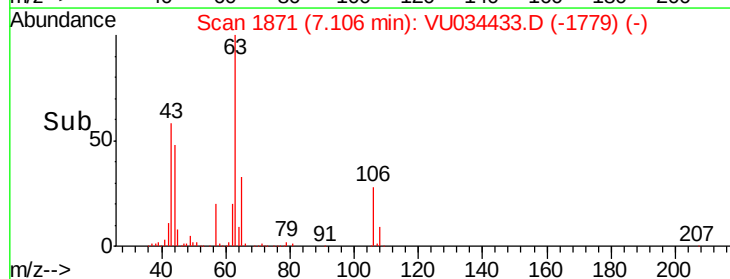
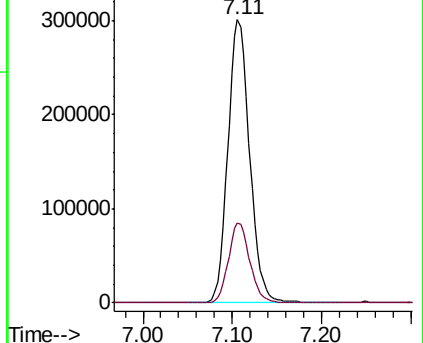
63 100

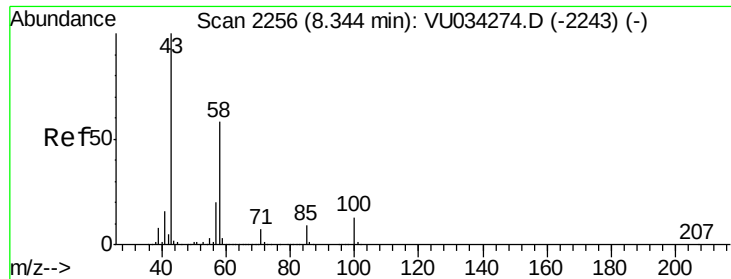
106 27.9 21.6 32.4



Abundance Ion 62.90 (62.60 to 63.60): VU0

Ion 105.90 (105.60 to 106.60): V

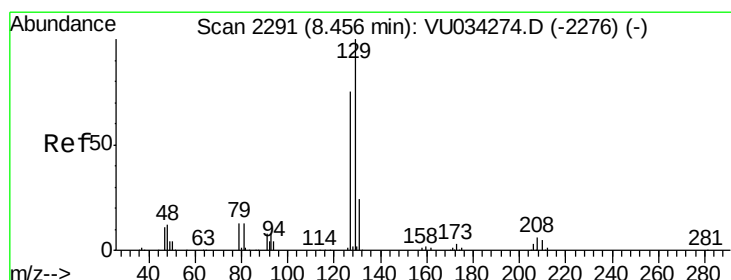
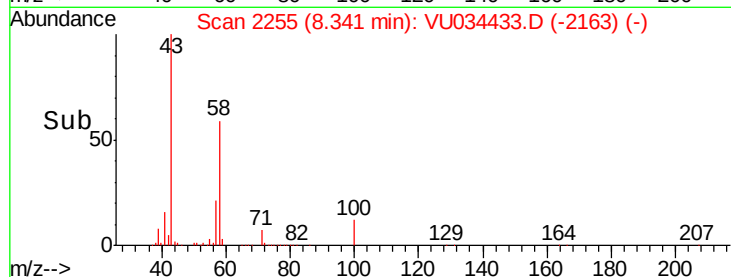
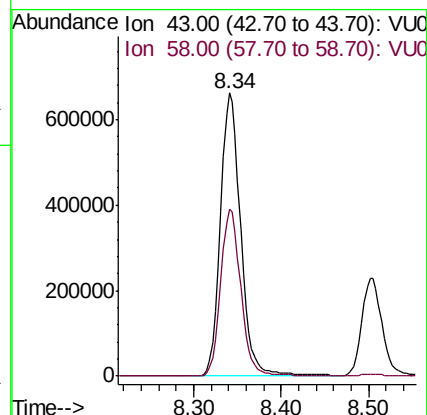
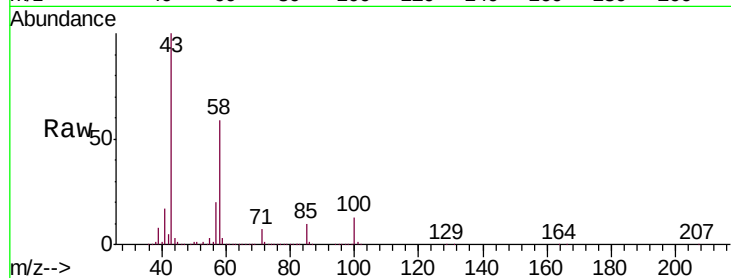




#59
2-Hexanone
Concen: 261.875 ug/l
RT: 8.34 min Scan# 2255
Delta R.T. -0.00 min
Lab File: VU034433.D
Acq: 09 Sep 2019 15:09

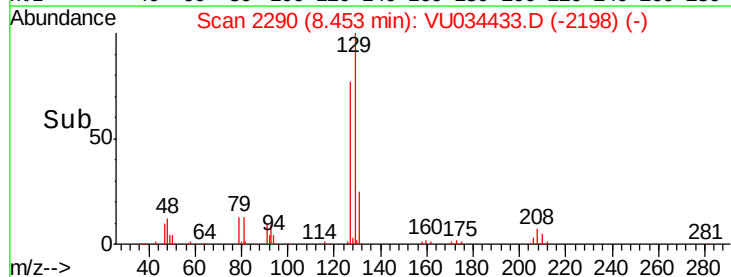
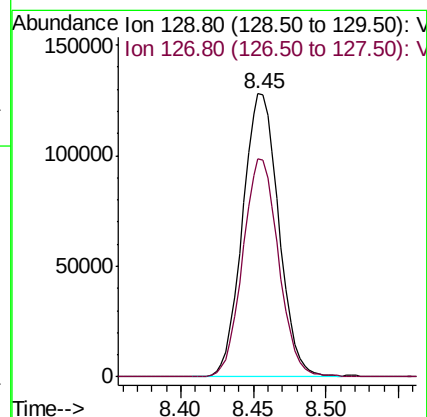
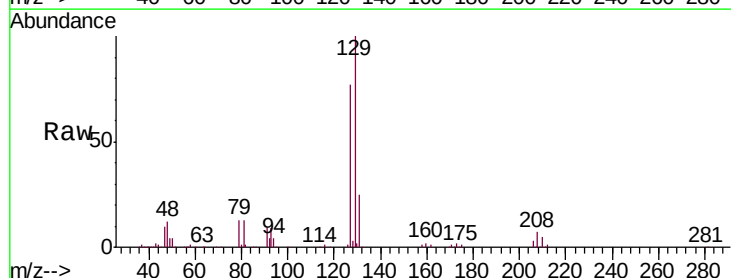
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

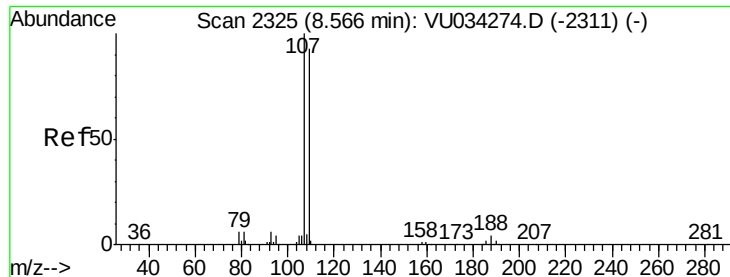
Tgt Ion: 43 Resp: 1061024
Ion Ratio Lower Upper
43 100
58 59.3 28.8 86.5



#60
Dibromochloromethane
Concen: 52.959 ug/l
RT: 8.45 min Scan# 2290
Delta R.T. -0.00 min
Lab File: VU034433.D
Acq: 09 Sep 2019 15:09

Tgt Ion: 129 Resp: 221789
Ion Ratio Lower Upper
129 100
127 76.5 37.9 113.7

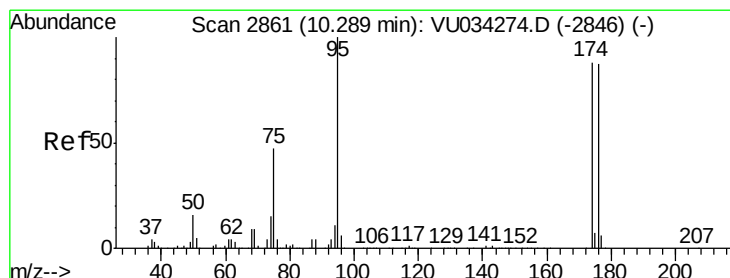
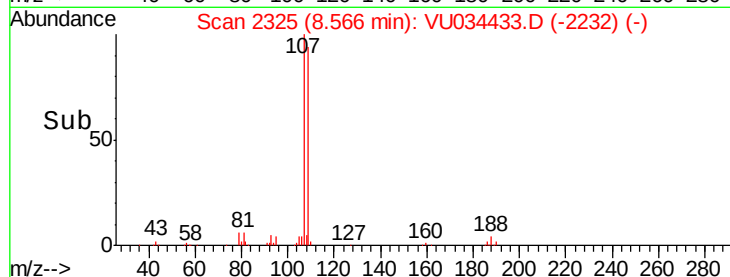
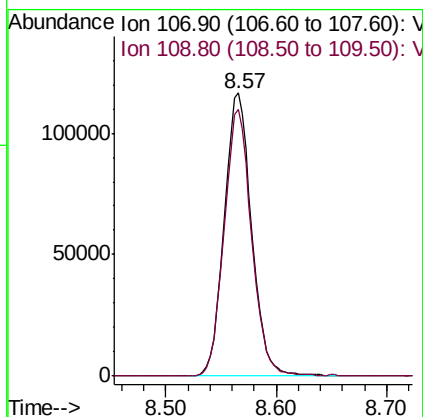
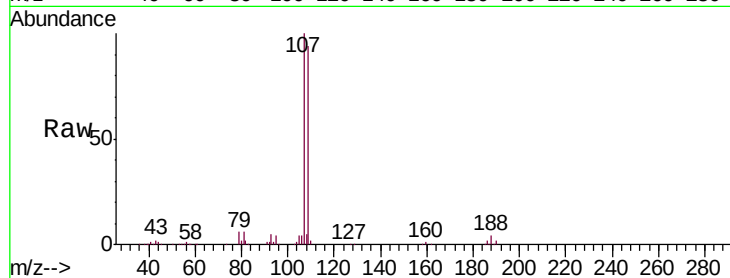




#61
 1,2-Dibromoethane
 Concen: 52.584 ug/l
 RT: 8.57 min Scan# 2325
 Delta R.T. 0.00 min
 Lab File: VU034433.D
 Acq: 09 Sep 2019 15:09

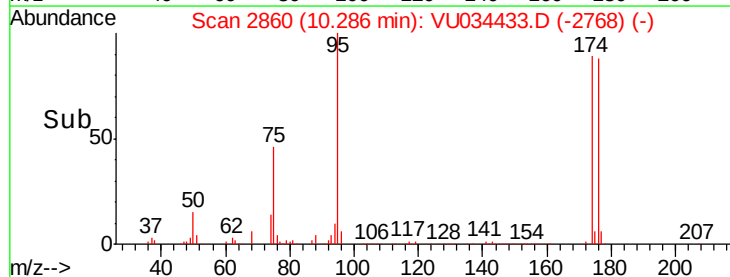
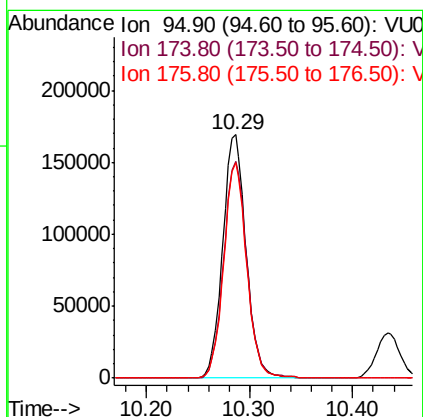
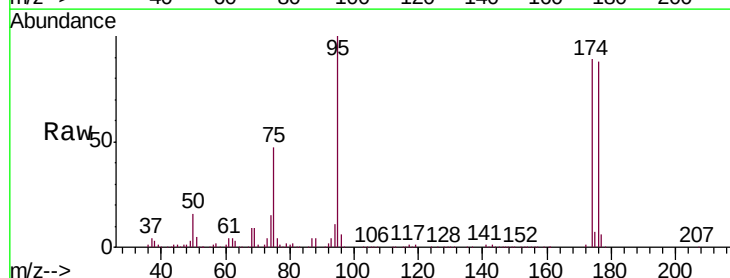
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

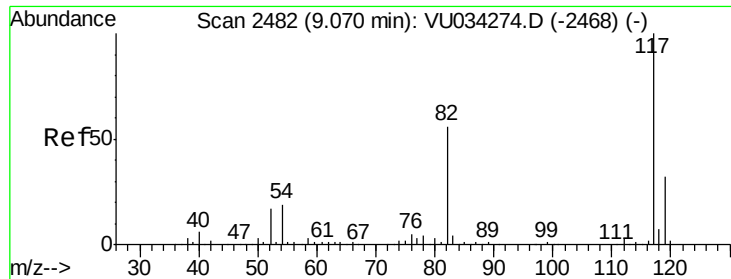
Tgt Ion: 107 Resp: 200954
 Ion Ratio Lower Upper
 107 100
 109 94.3 75.0 112.6



#62
 4-Bromofluorobenzene
 Concen: 50.484 ug/l
 RT: 10.29 min Scan# 2860
 Delta R.T. -0.00 min
 Lab File: VU034433.D
 Acq: 09 Sep 2019 15:09

Tgt Ion: 95 Resp: 266912
 Ion Ratio Lower Upper
 95 100
 174 89.2 0.0 175.2
 176 86.7 0.0 168.0

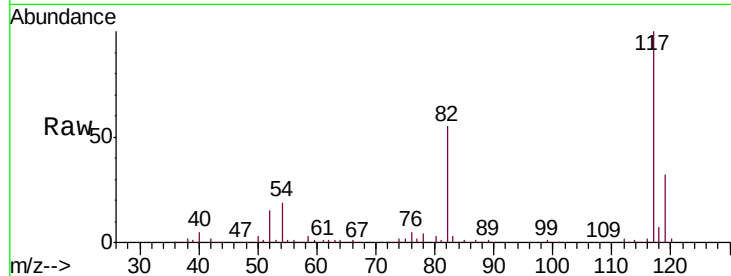




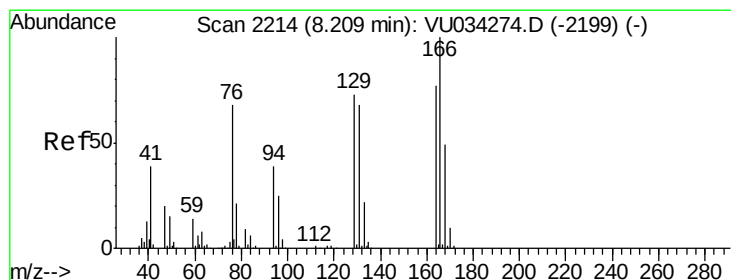
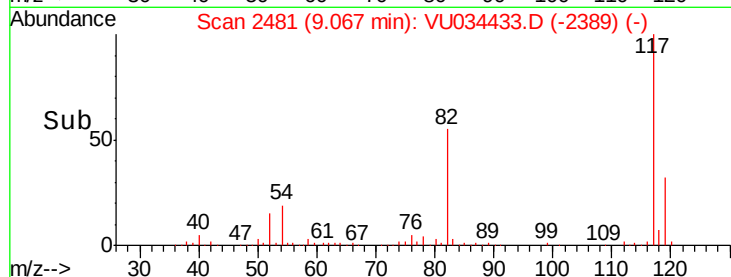
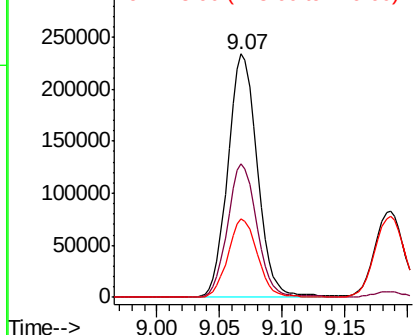
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.07 min Scan# 2481
Delta R.T. -0.00 min
Lab File: VU034433.D
Acq: 09 Sep 2019 15:09

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tgt Ion:117 Resp: 382037
Ion Ratio Lower Upper
117 100
82 55.0 44.6 67.0
119 32.2 25.9 38.9

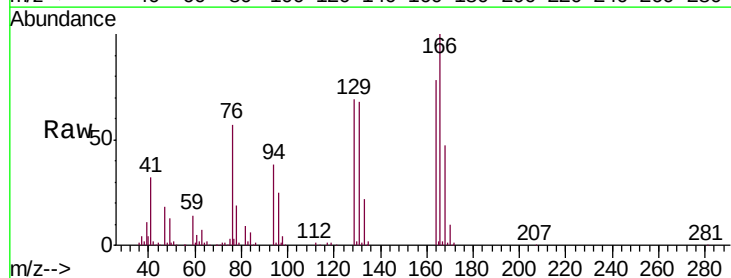


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VU0
Ion 118.90 (118.60 to 119.60): V

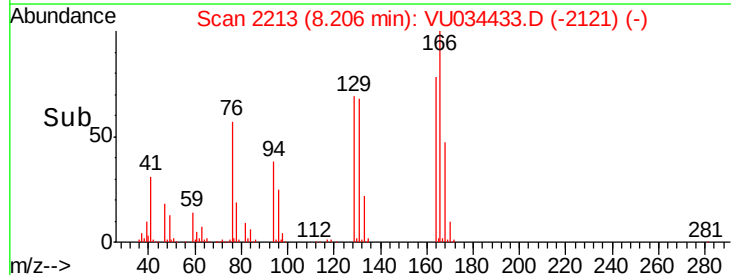
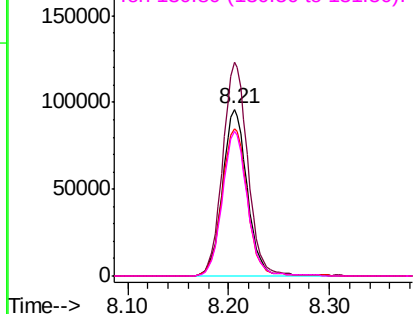


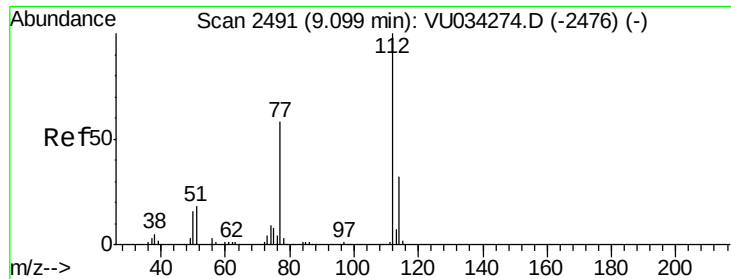
#64
Tetrachloroethene
Concen: 49.832 ug/l
RT: 8.21 min Scan# 2213
Delta R.T. -0.00 min
Lab File: VU034433.D
Acq: 09 Sep 2019 15:09

Tgt Ion:164 Resp: 165162
Ion Ratio Lower Upper
164 100
166 128.2 103.7 155.5
129 88.7 75.8 113.8
131 86.9 70.7 106.1



Abundance Ion 163.80 (163.50 to 164.50): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V

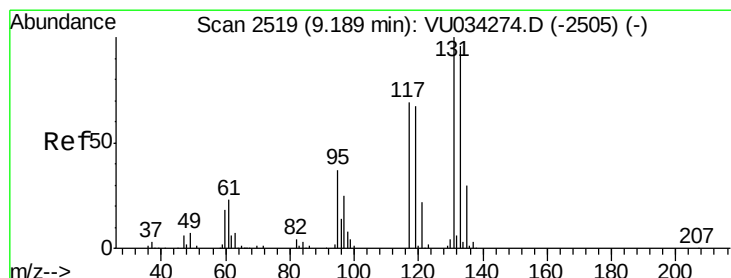
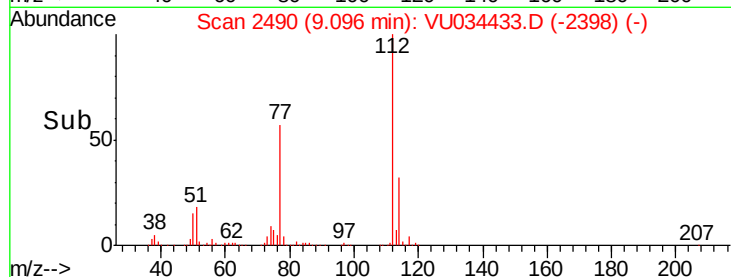
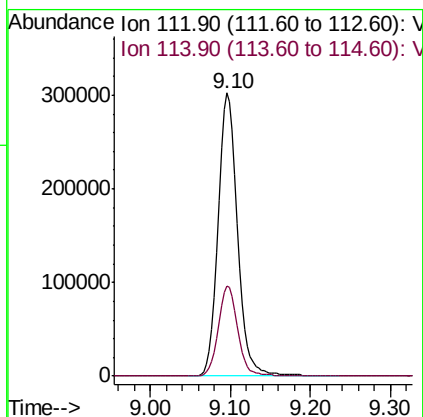
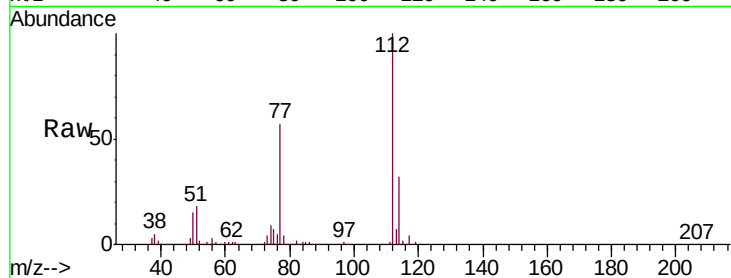




#65
Chlorobenzene
Concen: 52.715 ug/l
RT: 9.10 min Scan# 2490
Delta R.T. -0.00 min
Lab File: VU034433.D
Acq: 09 Sep 2019 15:09

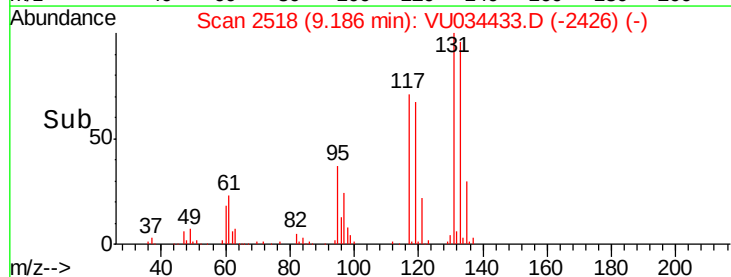
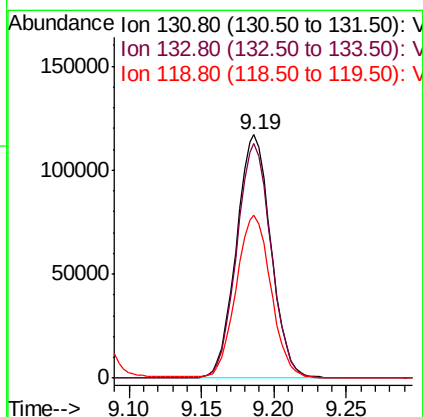
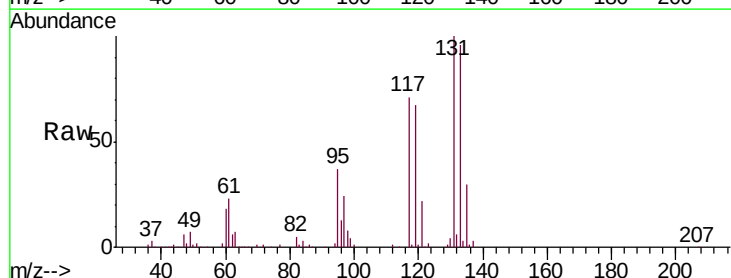
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

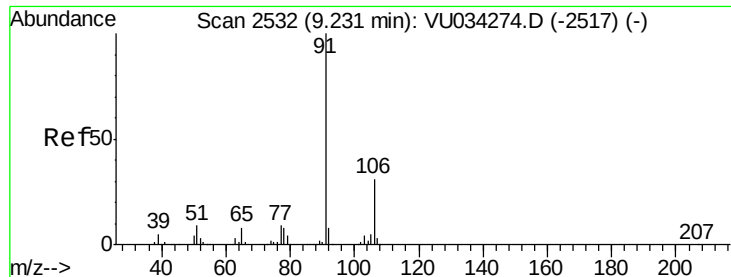
Tgt Ion:112 Resp: 510940
Ion Ratio Lower Upper
112 100
114 31.8 25.9 38.9



#66
1,1,1,2-Tetrachloroethane
Concen: 52.505 ug/l
RT: 9.19 min Scan# 2518
Delta R.T. -0.00 min
Lab File: VU034433.D
Acq: 09 Sep 2019 15:09

Tgt Ion:131 Resp: 194215
Ion Ratio Lower Upper
131 100
133 96.2 47.9 143.7
119 67.4 33.1 99.5

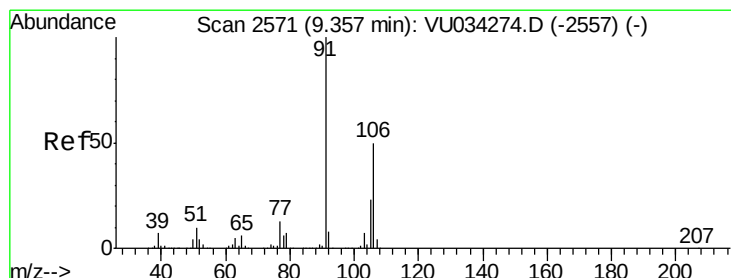
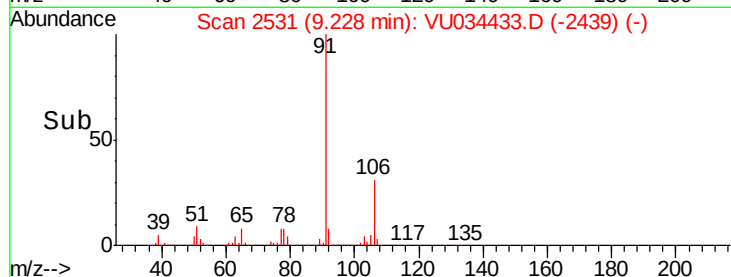
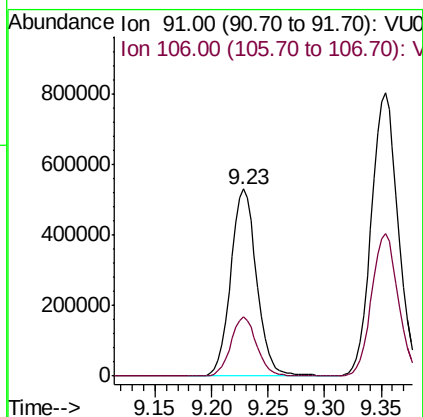
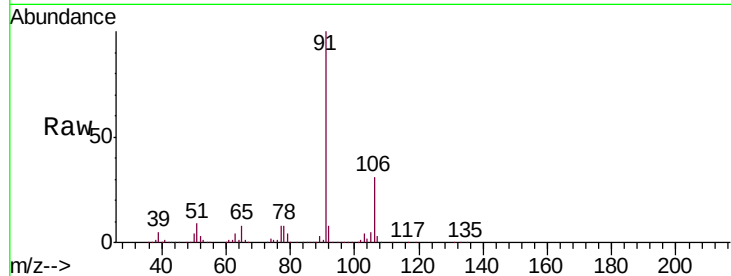




#67
Ethyl Benzene
Concen: 53.655 ug/l
RT: 9.23 min Scan# 2531
Delta R.T. -0.00 min
Lab File: VU034433.D
Acq: 09 Sep 2019 15:09

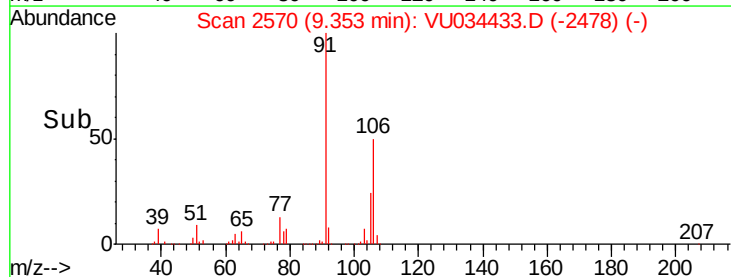
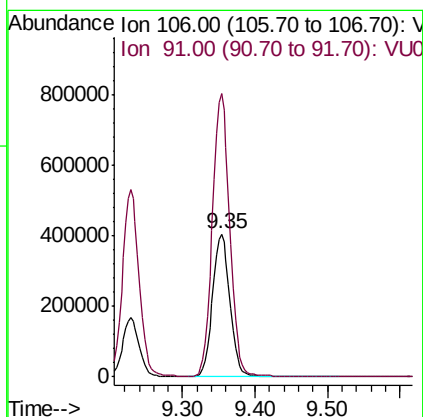
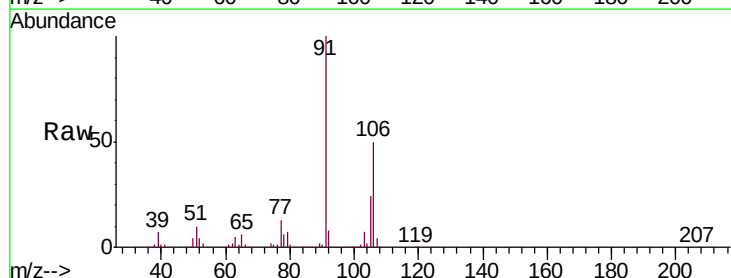
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

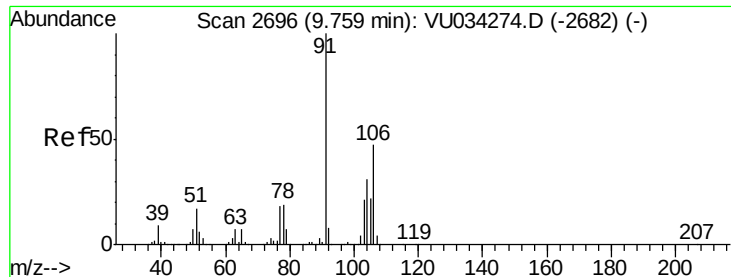
Tgt Ion: 91 Resp: 850302
Ion Ratio Lower Upper
91 100
106 31.4 24.8 37.2



#68
m/p-Xylenes
Concen: 112.602 ug/l
RT: 9.35 min Scan# 2570
Delta R.T. -0.00 min
Lab File: VU034433.D
Acq: 09 Sep 2019 15:09

Tgt Ion: 106 Resp: 671969
Ion Ratio Lower Upper
106 100
91 197.8 160.1 240.1

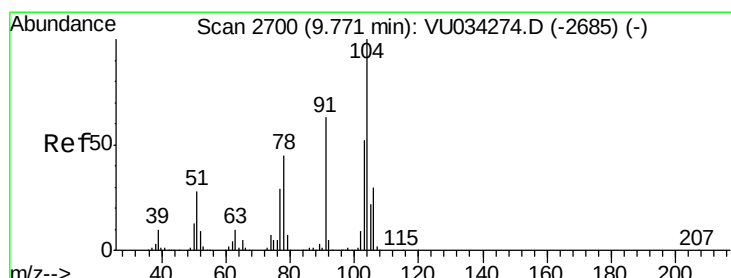
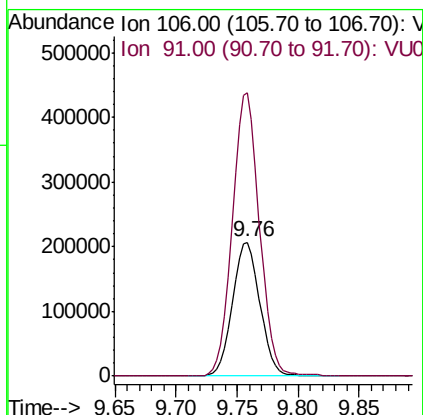
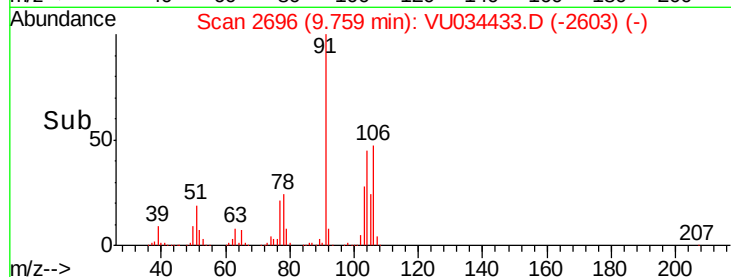
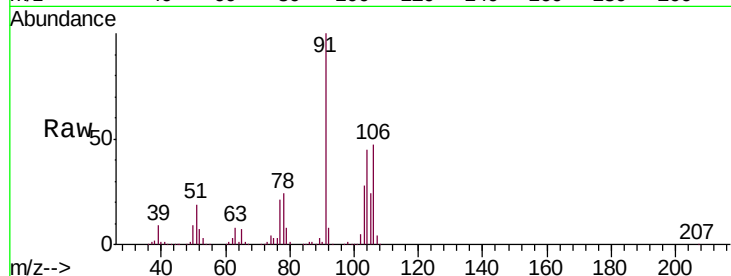




#69
o-Xylene
Concen: 55.637 ug/l
RT: 9.76 min Scan# 2696
Delta R.T. 0.00 min
Lab File: VU034433.D
Acq: 09 Sep 2019 15:09

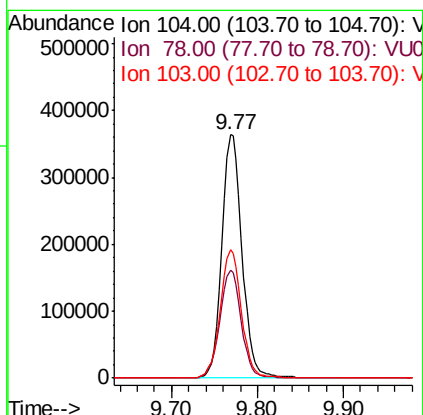
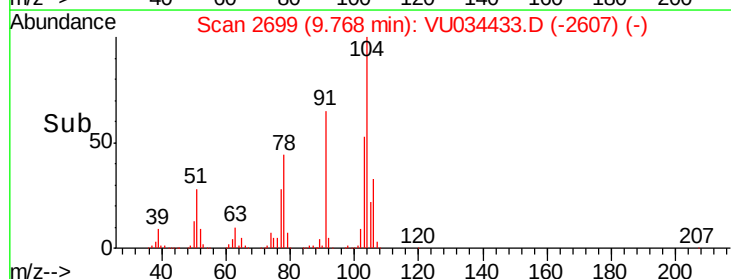
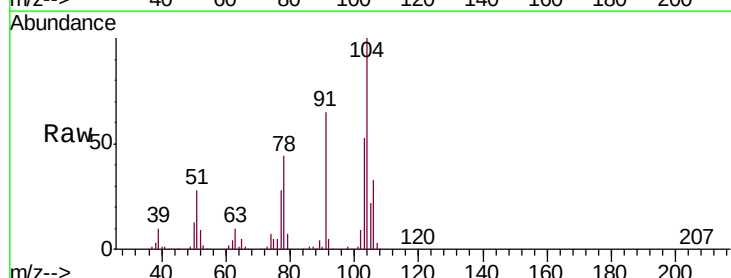
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

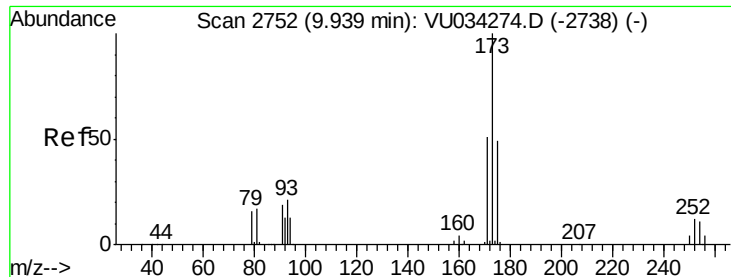
Tgt Ion:106 Resp: 324705
Ion Ratio Lower Upper
106 100
91 208.8 105.1 315.3



#70
Styrene
Concen: 58.162 ug/l
RT: 9.77 min Scan# 2699
Delta R.T. -0.00 min
Lab File: VU034433.D
Acq: 09 Sep 2019 15:09

Tgt Ion:104 Resp: 595132
Ion Ratio Lower Upper
104 100
78 47.3 38.6 57.8
103 55.1 44.2 66.4





#71

Bromoform

Concen: 55.045 ug/l

RT: 9.94 min Scan# 2751

Delta R.T. -0.00 min

Lab File: VU034433.D

Acq: 09 Sep 2019 15:09

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

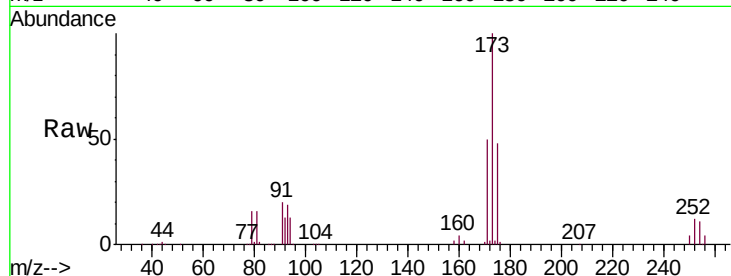
Tgt Ion:173 Resp: 176462

Ion Ratio Lower Upper

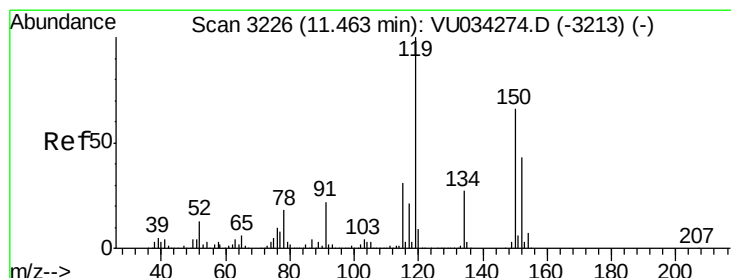
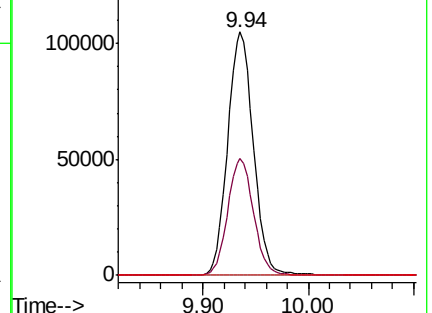
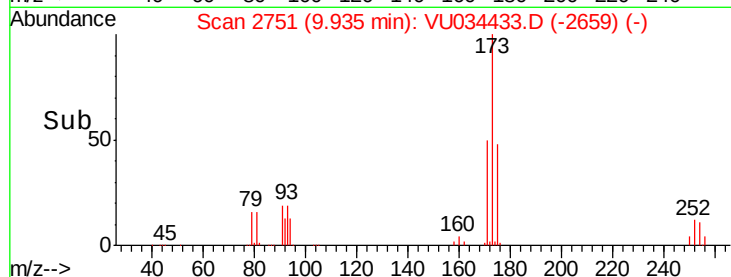
173 100

175 48.2 24.4 73.2

254 0.1 0.0 0.0#



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 11.46 min Scan# 3225

Delta R.T. -0.00 min

Lab File: VU034433.D

Acq: 09 Sep 2019 15:09

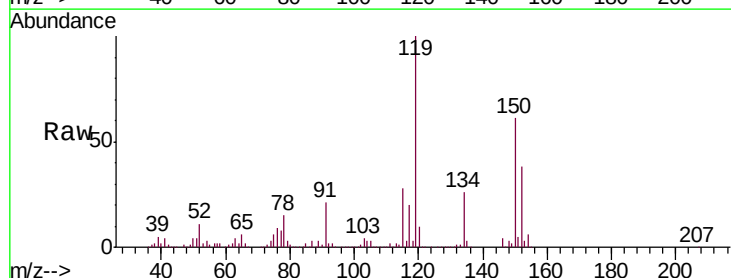
Tgt Ion:152 Resp: 272176

Ion Ratio Lower Upper

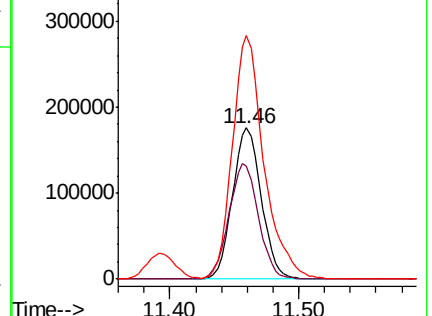
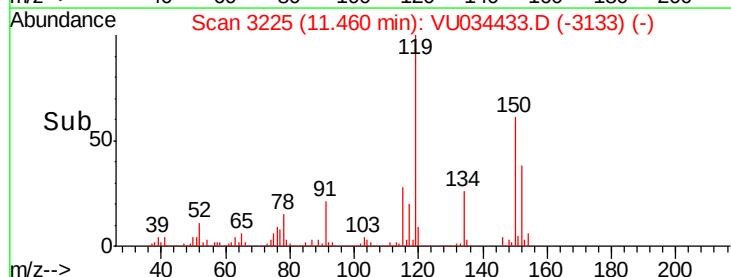
152 100

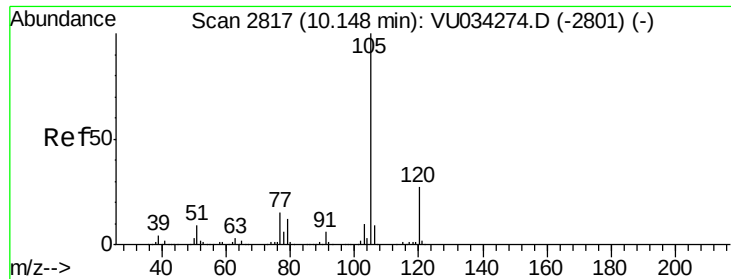
115 78.2 39.1 117.3

150 175.2 0.0 345.4



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V

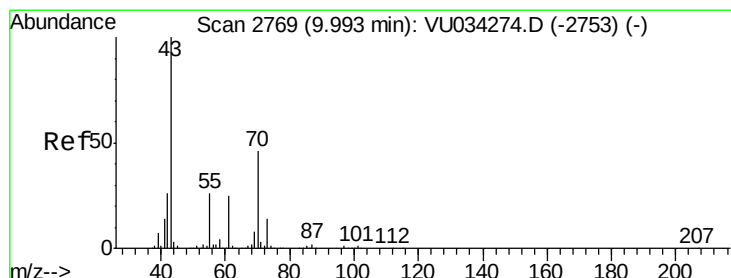
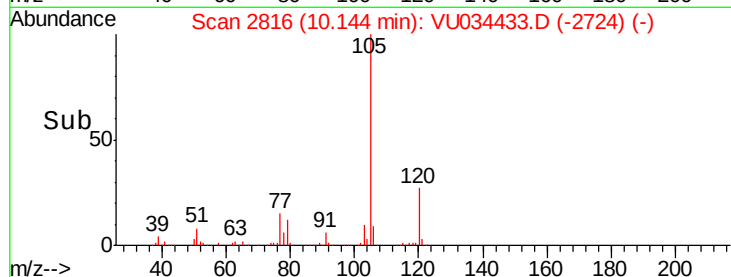
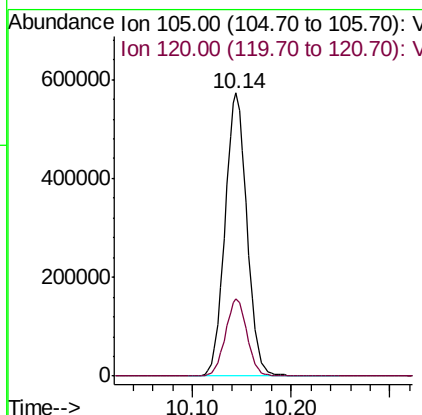
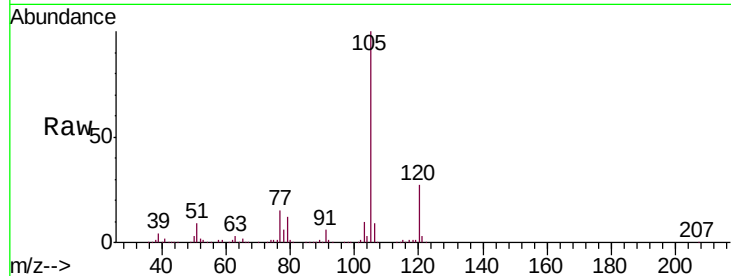




#73
Isopropylbenzene
Concen: 50.448 ug/l
RT: 10.14 min Scan# 2816
Delta R.T. -0.00 min
Lab File: VU034433.D
Acq: 09 Sep 2019 15:09

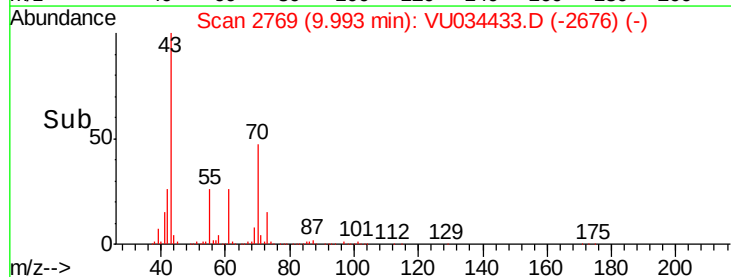
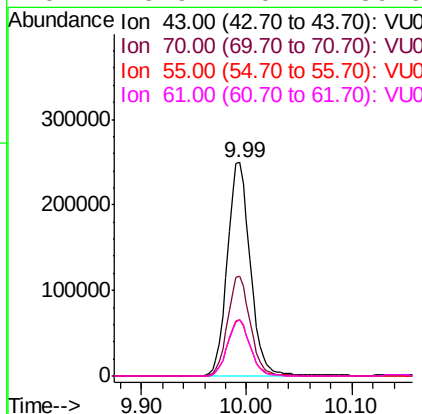
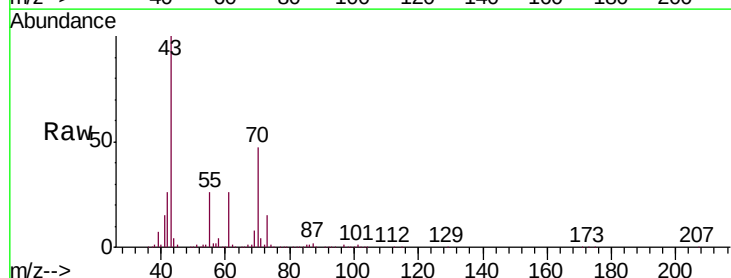
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

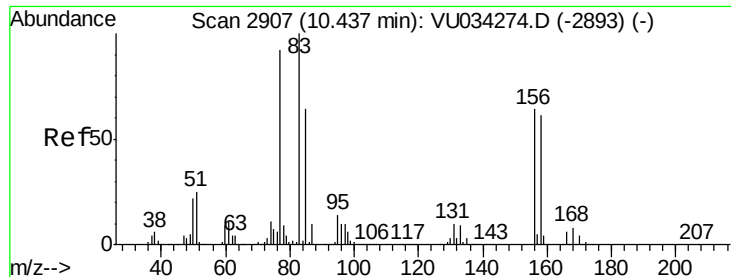
Tgt Ion:105 Resp: 893569
Ion Ratio Lower Upper
105 100
120 27.0 13.4 40.2



#74
N-ethyl acetate
Concen: 52.458 ug/l
RT: 9.99 min Scan# 2769
Delta R.T. 0.00 min
Lab File: VU034433.D
Acq: 09 Sep 2019 15:09

Tgt Ion: 43 Resp: 374015
Ion Ratio Lower Upper
43 100
70 46.3 36.4 54.6
55 26.5 21.2 31.8
61 25.9 20.4 30.6





#75

1,1,2,2-Tetrachloroethane

Concen: 48.088 ug/l

RT: 10.43 min Scan# 2906

Delta R.T. -0.00 min

Lab File: VU034433.D

Acq: 09 Sep 2019 15:09

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

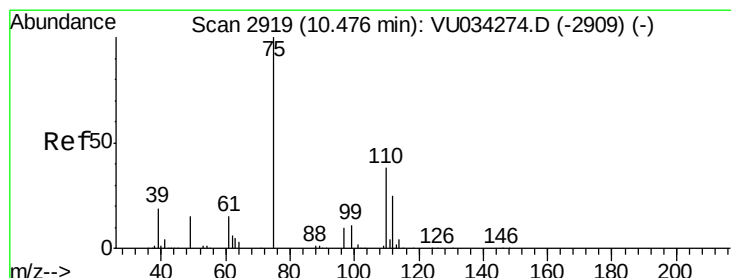
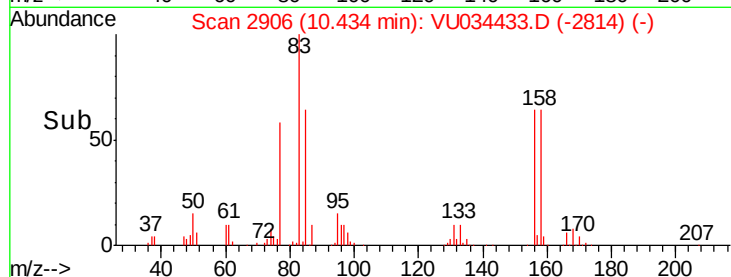
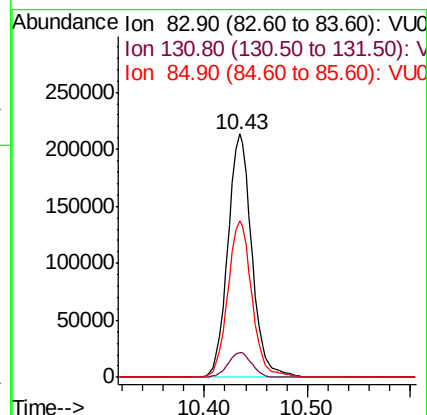
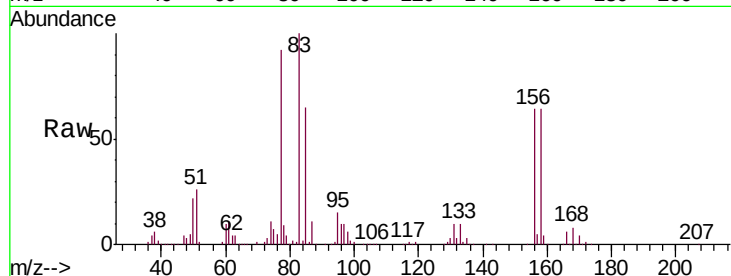
Tgt Ion: 83 Resp: 344772

Ion Ratio Lower Upper

83 100

131 10.2 5.1 15.2

85 64.8 32.0 96.2



#76

1,2,3-Trichloropropane

Concen: 63.355 ug/l

RT: 10.47 min Scan# 2917

Delta R.T. -0.01 min

Lab File: VU034433.D

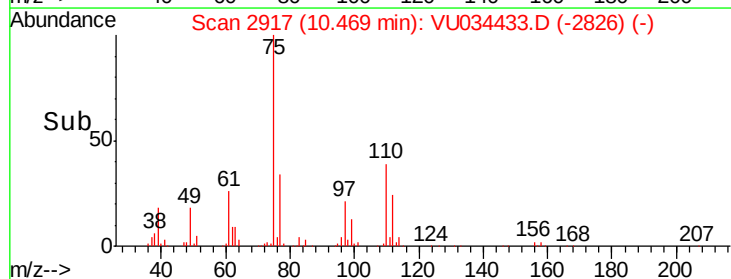
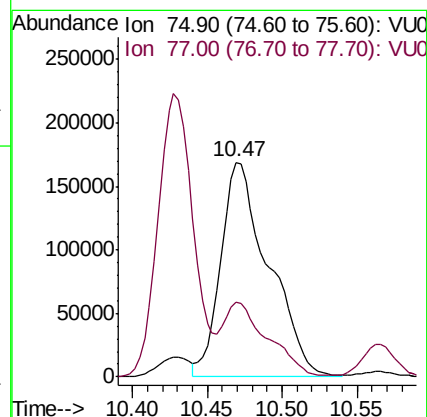
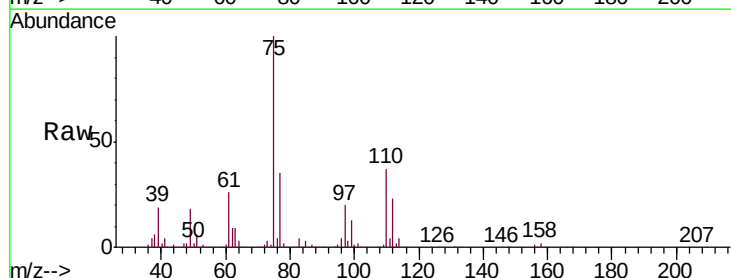
Acq: 09 Sep 2019 15:09

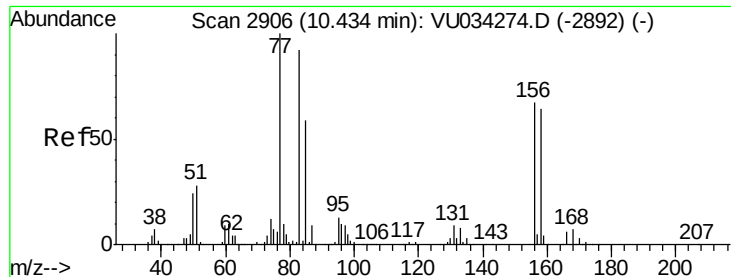
Tgt Ion: 75 Resp: 376402

Ion Ratio Lower Upper

75 100

77 31.6 20.8 62.2





#77

Bromobenzene

Concen: 50.052 ug/l

RT: 10.43 min Scan# 2904

Delta R.T. -0.01 min

Lab File: VU034433.D

Acq: 09 Sep 2019 15:09

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

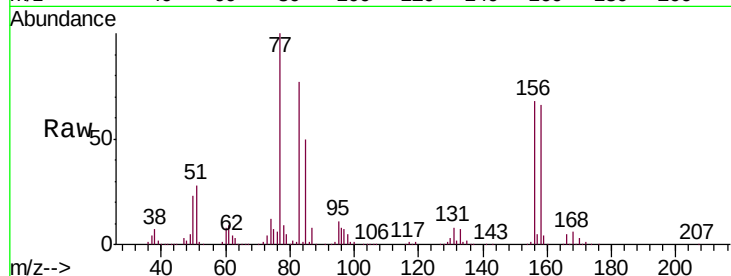
Tgt Ion:156 Resp: 247891

Ion Ratio Lower Upper

156 100

77 148.6 75.6 226.9

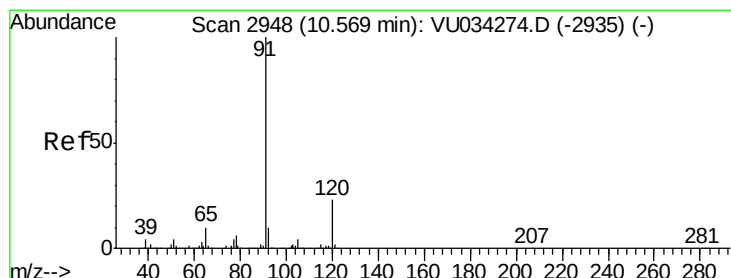
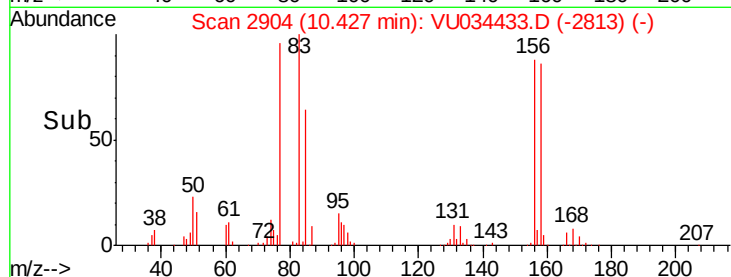
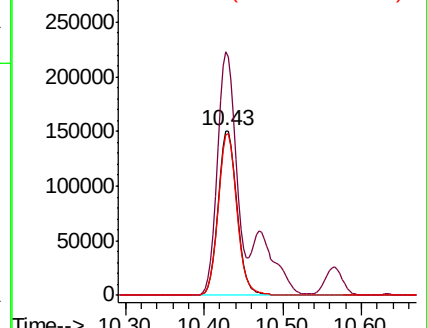
158 97.6 48.2 144.6



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VU0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 51.407 ug/l

RT: 10.57 min Scan# 2947

Delta R.T. -0.00 min

Lab File: VU034433.D

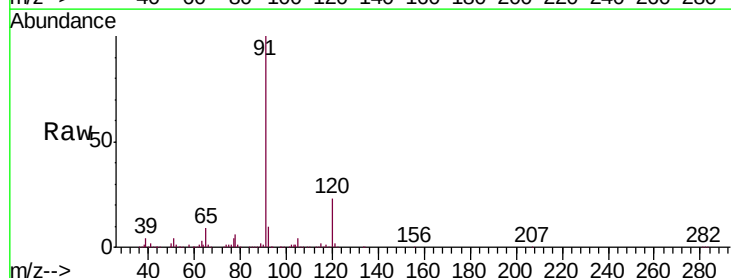
Acq: 09 Sep 2019 15:09

Tgt Ion: 91 Resp: 1051597

Ion Ratio Lower Upper

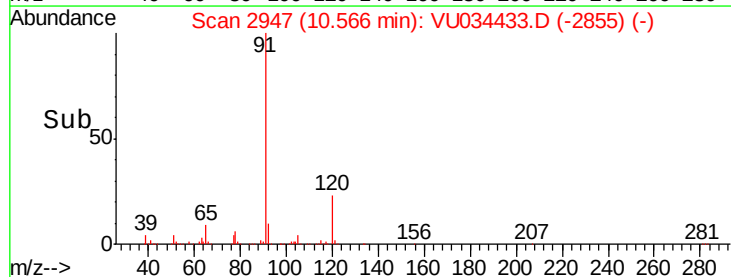
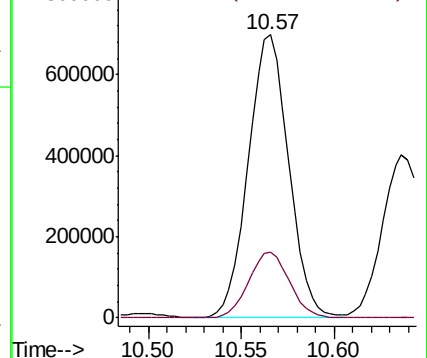
91 100

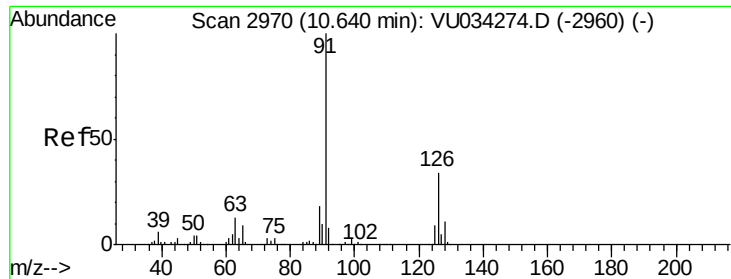
120 23.5 11.7 35.0



Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 120.00 (119.70 to 120.70): V

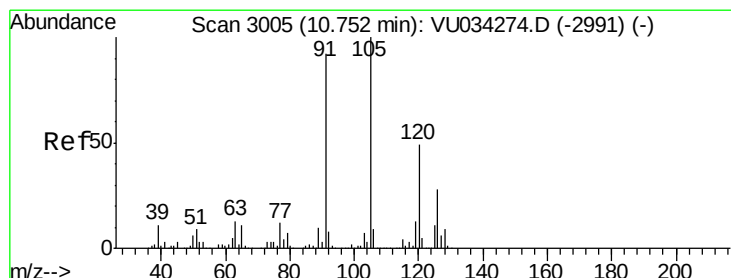
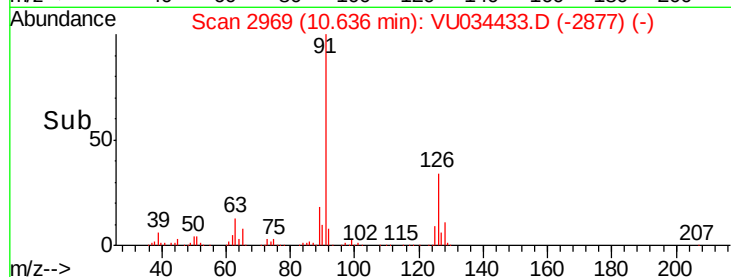
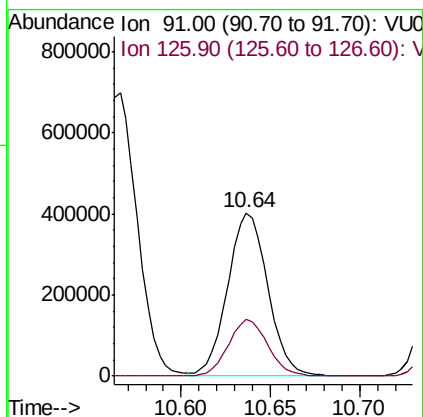
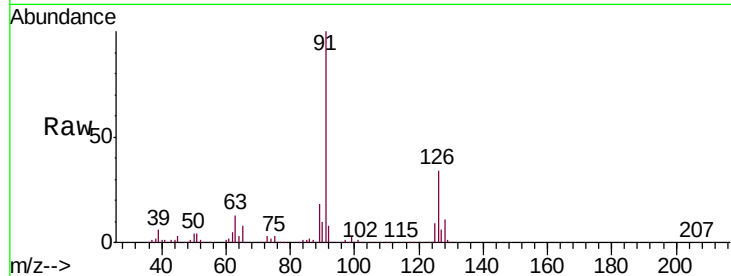




#79
 2-Chlorotoluene
 Concen: 50.120 ug/l
 RT: 10.64 min Scan# 2969
 Delta R.T. -0.00 min
 Lab File: VU034433.D
 Acq: 09 Sep 2019 15:09

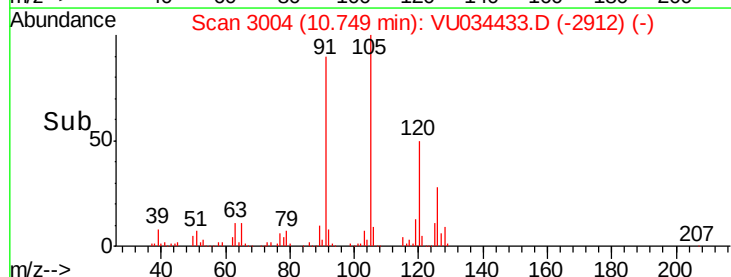
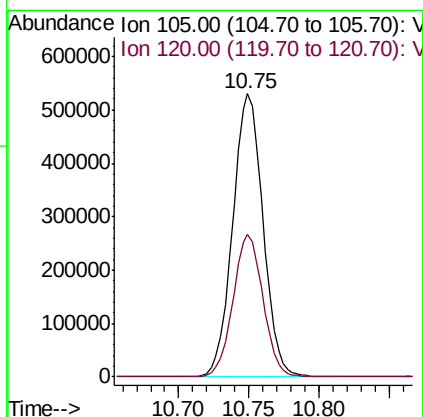
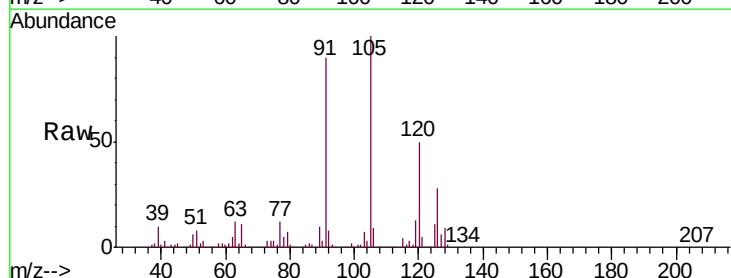
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

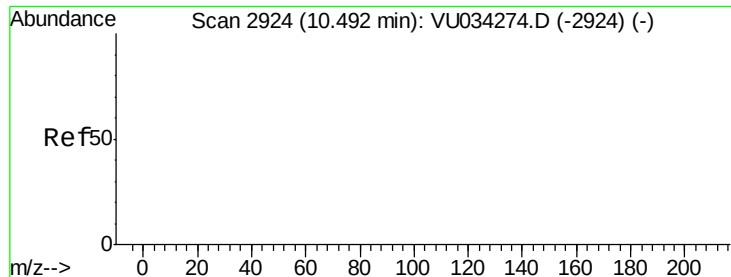
Tgt Ion: 91 Resp: 625579
 Ion Ratio Lower Upper
 91 100
 126 34.9 17.3 51.9



#80
 1,3,5-Trimethylbenzene
 Concen: 53.881 ug/l
 RT: 10.75 min Scan# 3004
 Delta R.T. -0.00 min
 Lab File: VU034433.D
 Acq: 09 Sep 2019 15:09

Tgt Ion: 105 Resp: 798175
 Ion Ratio Lower Upper
 105 100
 120 49.8 24.9 74.7

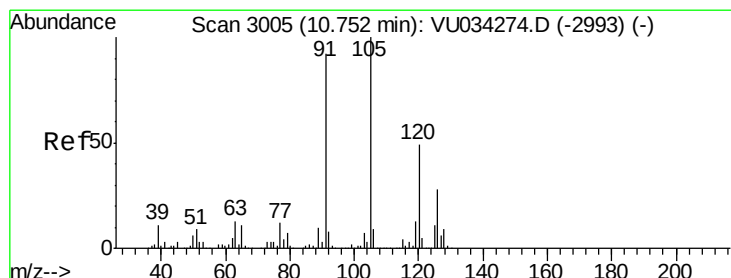
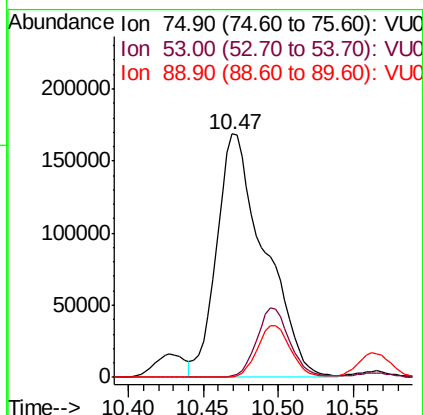
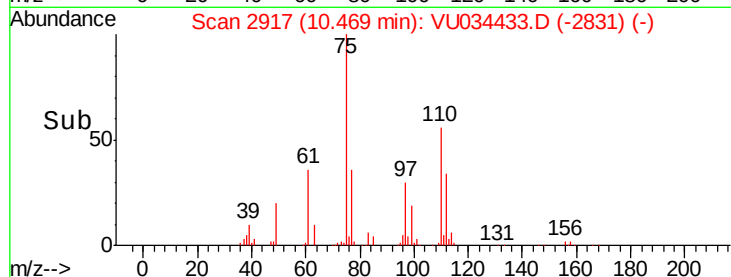
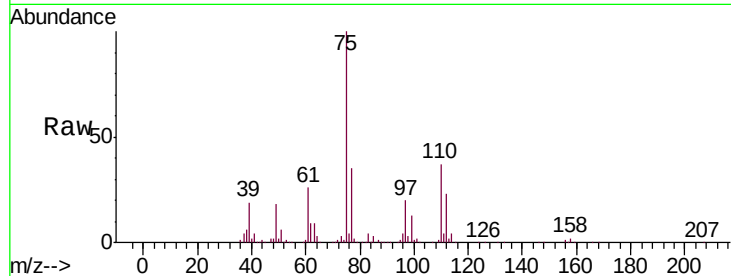




#81
trans-1,4-Dichloro-2-butene
Concen: 213.060 ug/l
RT: 10.47 min Scan# 2917
Delta R.T. -0.02 min
Lab File: VU034433.D
Acq: 09 Sep 2019 15:09

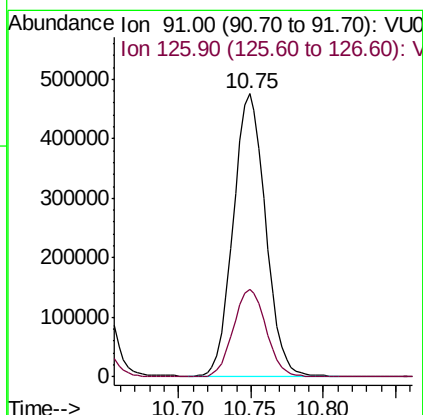
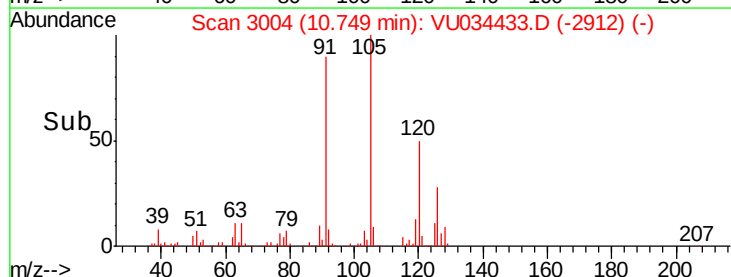
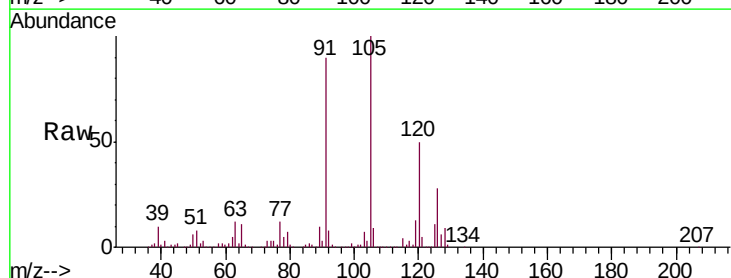
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

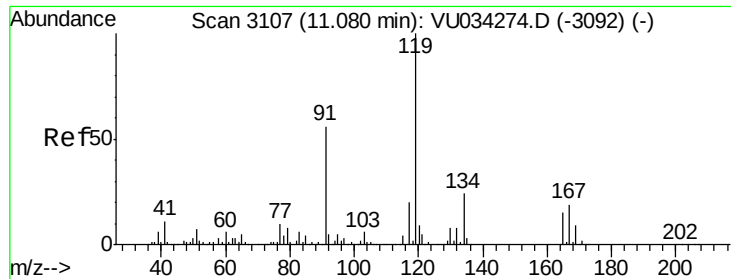
Tgt Ion: 75 Resp: 376402
Ion Ratio Lower Upper
75 100
53 0.0 0.0 0.0
89 0.0 0.0 0.0



#82
4-Chlorotoluene
Concen: 50.852 ug/l
RT: 10.75 min Scan# 3004
Delta R.T. -0.00 min
Lab File: VU034433.D
Acq: 09 Sep 2019 15:09

Tgt Ion: 91 Resp: 730421
Ion Ratio Lower Upper
91 100
126 31.5 15.3 45.8

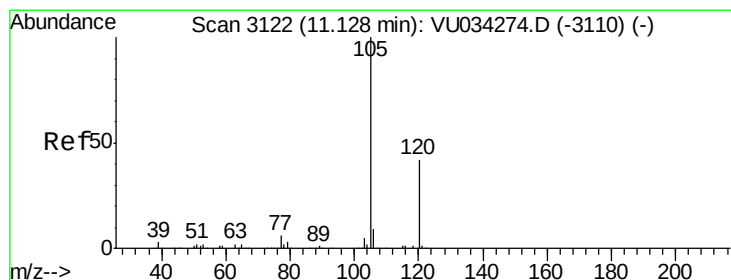
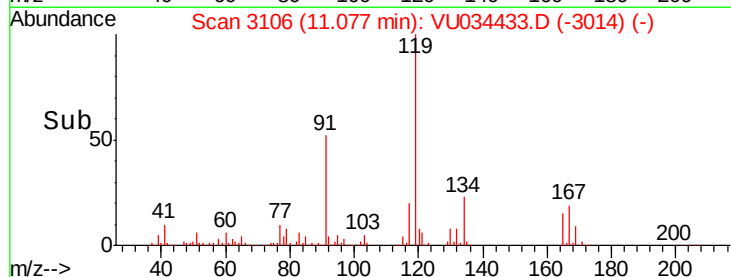
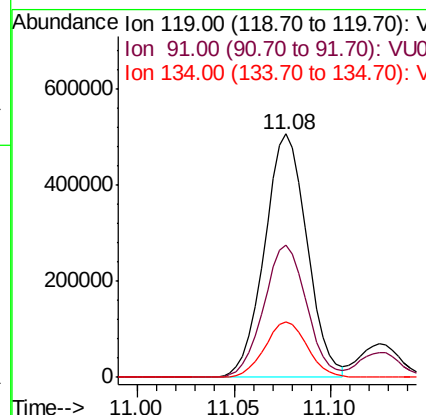
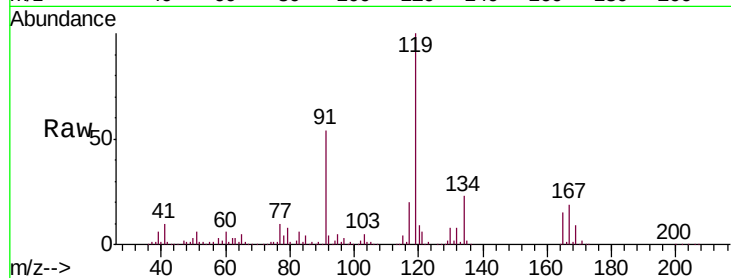




#83
 tert-Butylbenzene
 Concen: 52.099 ug/l
 RT: 11.08 min Scan# 3106
 Delta R.T. -0.00 min
 Lab File: VU034433.D
 Acq: 09 Sep 2019 15:09

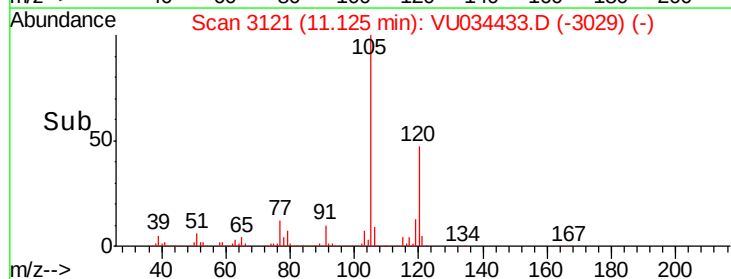
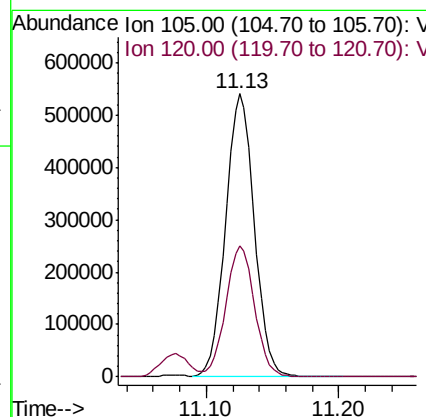
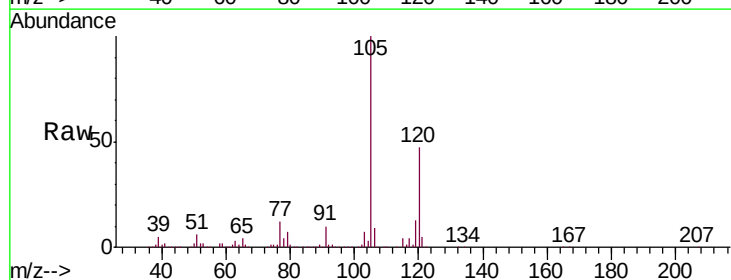
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

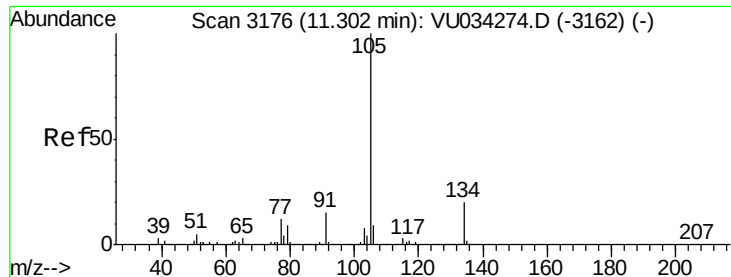
Tgt Ion:119 Resp: 772079
 Ion Ratio Lower Upper
 119 100
 91 54.6 27.8 83.4
 134 22.8 11.7 35.0



#84
 1,2,4-Trimethylbenzene
 Concen: 54.300 ug/l
 RT: 11.13 min Scan# 3121
 Delta R.T. -0.00 min
 Lab File: VU034433.D
 Acq: 09 Sep 2019 15:09

Tgt Ion:105 Resp: 809707
 Ion Ratio Lower Upper
 105 100
 120 46.5 22.9 68.8





#85

sec-Butylbenzene

Concen: 52.942 ug/l

RT: 11.30 min Scan# 3176

Delta R.T. 0.00 min

Lab File: VU034433.D

Acq: 09 Sep 2019 15:09

Instrument :

MSVOA_U

ClientSampleId :

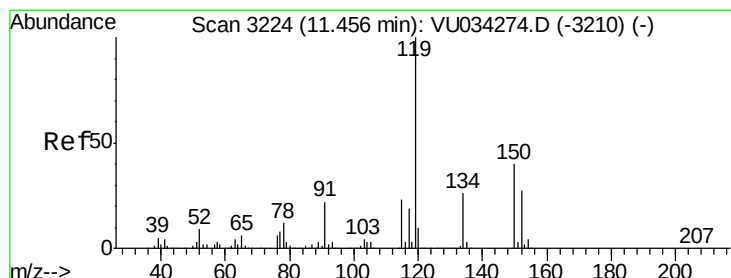
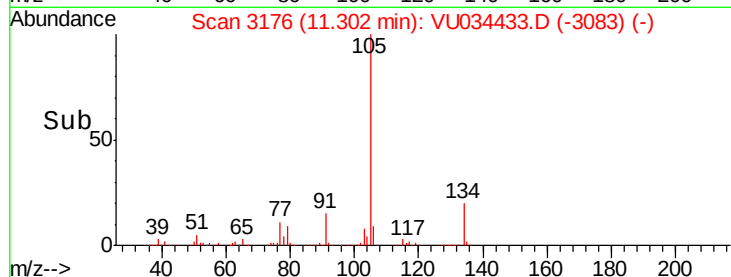
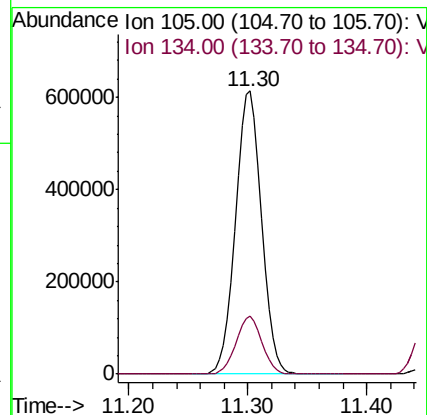
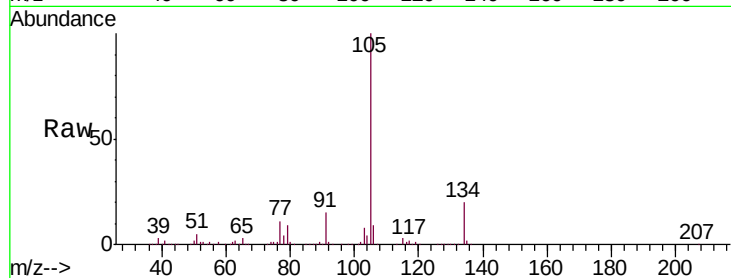
VSTDCCC050EC

Tgt Ion:105 Resp: 926229

Ion Ratio Lower Upper

105 100

134 20.4 10.1 30.3



#86

p-Isopropyltoluene

Concen: 54.344 ug/l

RT: 11.45 min Scan# 3223

Delta R.T. -0.00 min

Lab File: VU034433.D

Acq: 09 Sep 2019 15:09

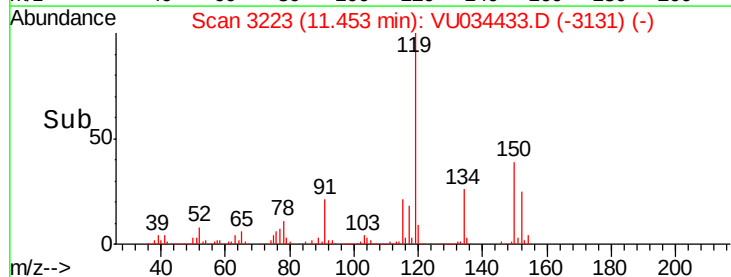
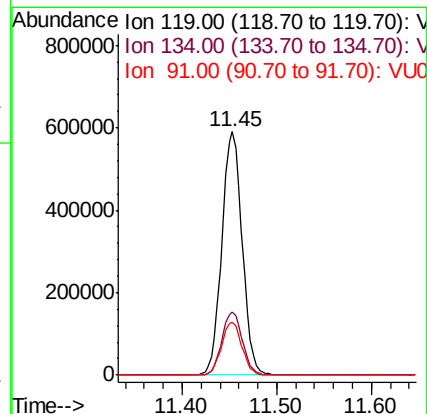
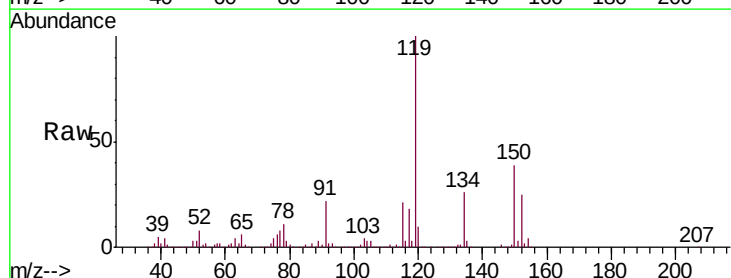
Tgt Ion:119 Resp: 877539

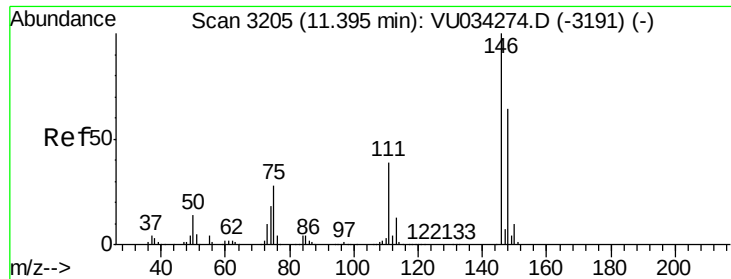
Ion Ratio Lower Upper

119 100

134 26.4 13.3 39.8

91 21.8 11.2 33.6

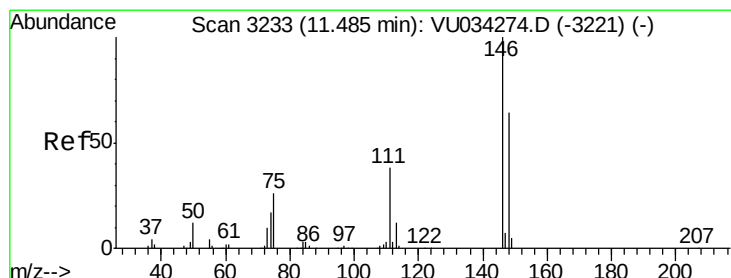
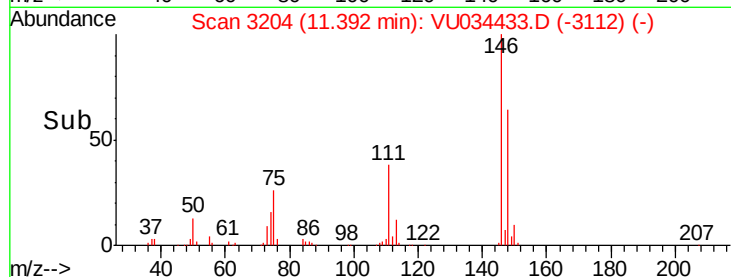
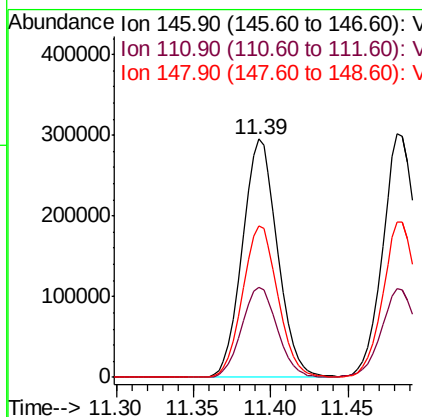
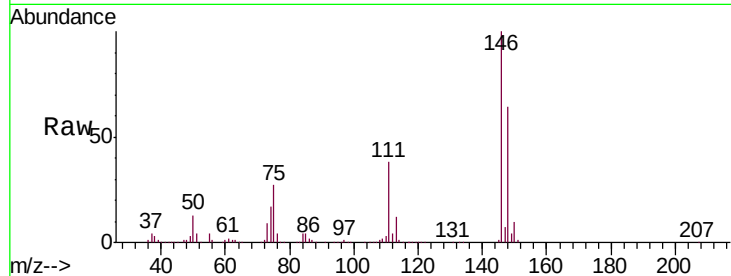




#87
 1,3-Dichlorobenzene
 Concen: 51.544 ug/l
 RT: 11.39 min Scan# 3204
 Delta R.T. -0.00 min
 Lab File: VU034433.D
 Acq: 09 Sep 2019 15:09

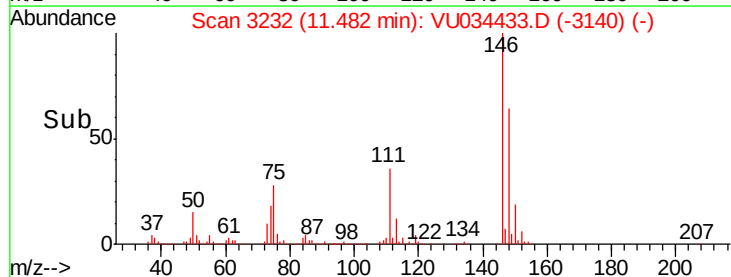
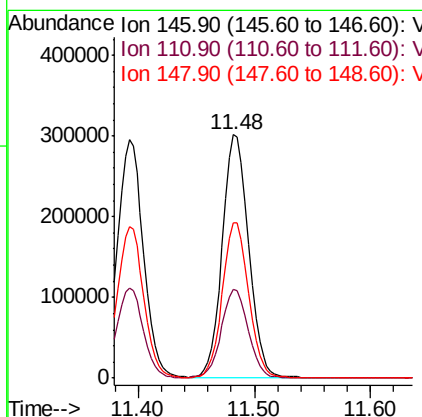
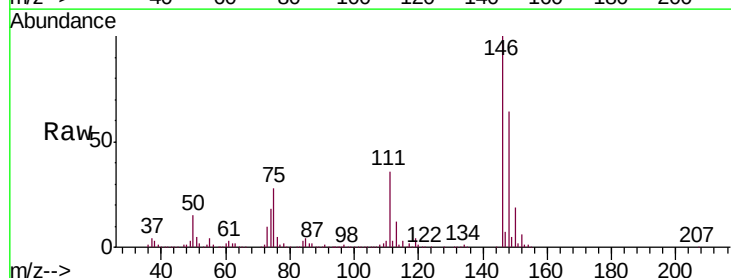
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

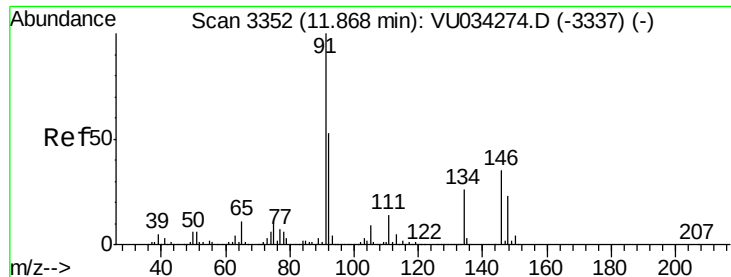
Tgt Ion:146 Resp: 465830
 Ion Ratio Lower Upper
 146 100
 111 38.3 19.5 58.5
 148 64.0 32.1 96.3



#88
 1,4-Dichlorobenzene
 Concen: 50.328 ug/l
 RT: 11.48 min Scan# 3232
 Delta R.T. -0.00 min
 Lab File: VU034433.D
 Acq: 09 Sep 2019 15:09

Tgt Ion:146 Resp: 474412
 Ion Ratio Lower Upper
 146 100
 111 37.0 19.1 57.3
 148 63.0 32.0 96.0





#89

n-Butylbenzene

Concen: 54.873 ug/l

RT: 11.86 min Scan# 3351

Delta R.T. -0.00 min

Lab File: VU034433.D

Acq: 09 Sep 2019 15:09

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

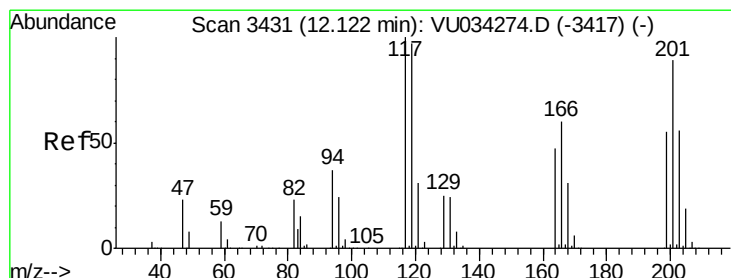
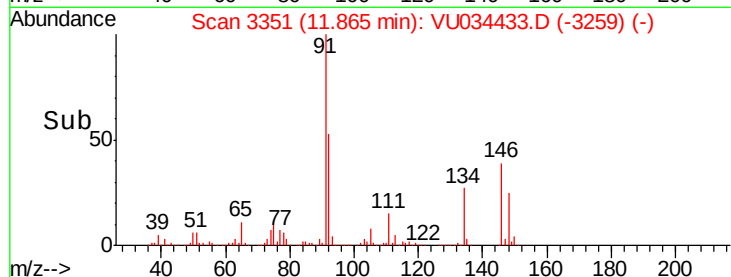
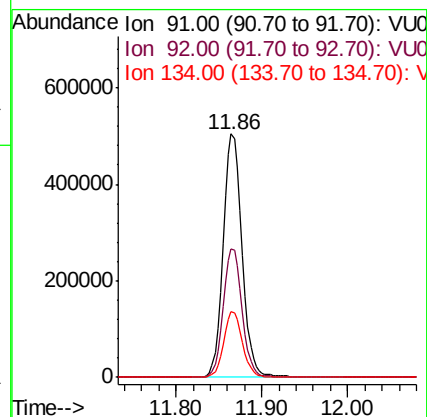
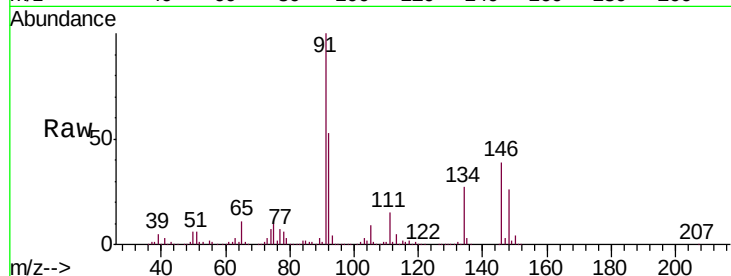
Tgt Ion: 91 Resp: 770033

Ion Ratio Lower Upper

91 100

92 52.9 26.5 79.4

134 26.8 13.2 39.6



#90

Hexachloroethane

Concen: 51.172 ug/l

RT: 12.12 min Scan# 3431

Delta R.T. 0.00 min

Lab File: VU034433.D

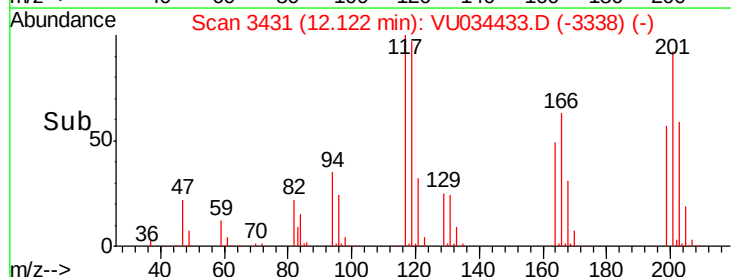
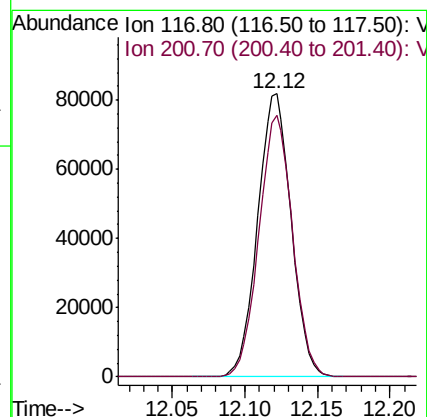
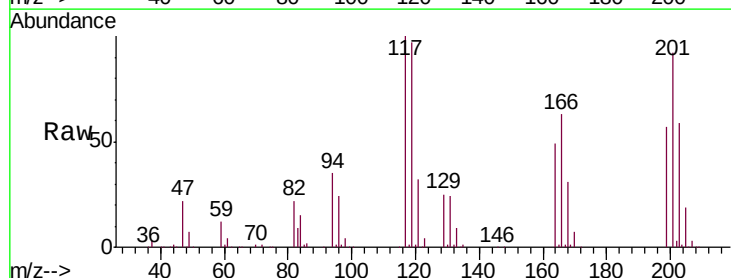
Acq: 09 Sep 2019 15:09

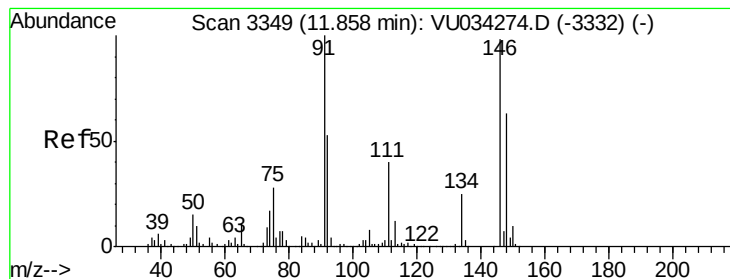
Tgt Ion: 117 Resp: 132203

Ion Ratio Lower Upper

117 100

201 92.1 44.1 132.4





#91

1,2-Dichlorobenzene

Concen: 52.970 ug/l

RT: 11.85 min Scan# 3348

Delta R.T. -0.00 min

Lab File: VU034433.D

Acq: 09 Sep 2019 15:09

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

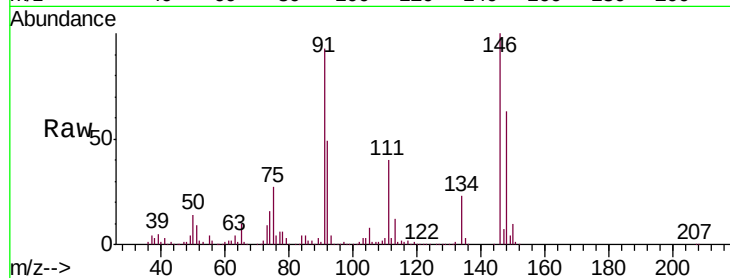
Tgt Ion:146 Resp: 470472

Ion Ratio Lower Upper

146 100

111 39.8 20.0 60.0

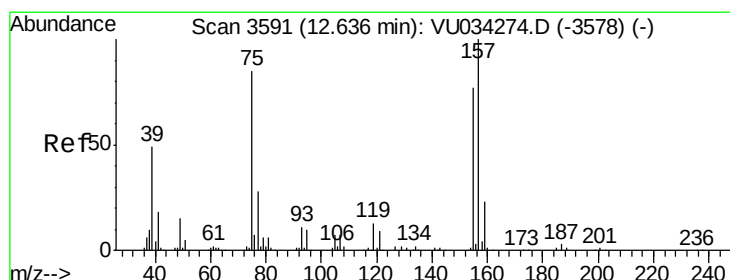
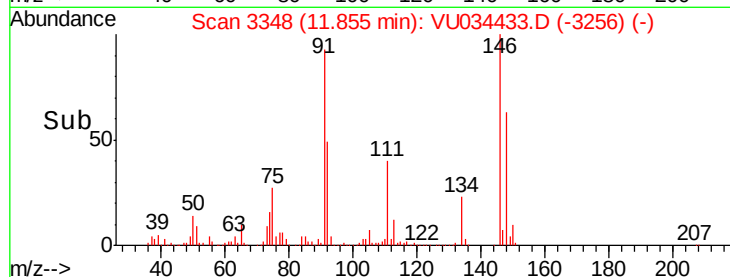
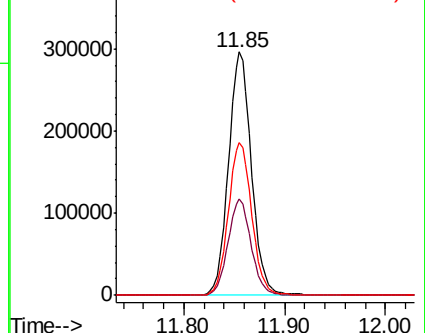
148 64.2 31.6 94.8



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: 55.480 ug/l

RT: 12.63 min Scan# 3590

Delta R.T. -0.00 min

Lab File: VU034433.D

Acq: 09 Sep 2019 15:09

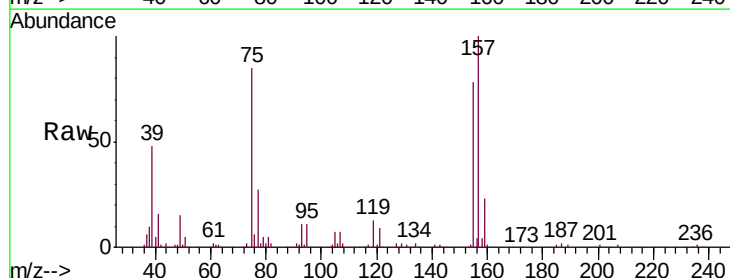
Tgt Ion: 75 Resp: 73094

Ion Ratio Lower Upper

75 100

155 91.8 44.6 134.0

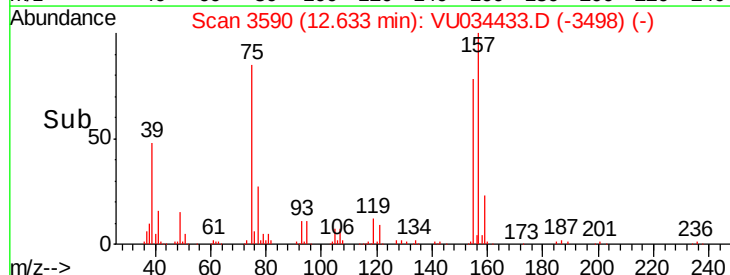
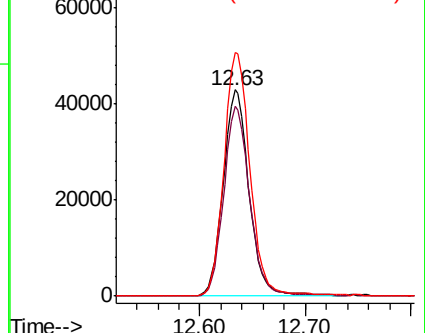
157 118.6 58.2 174.6

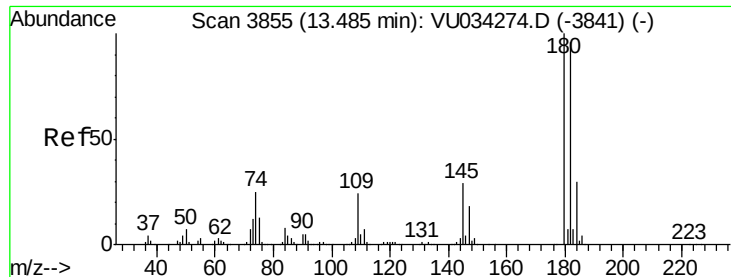


Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

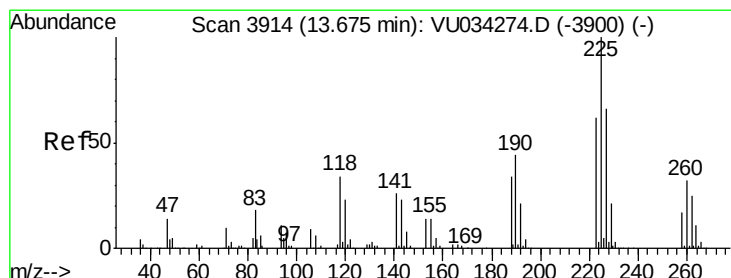
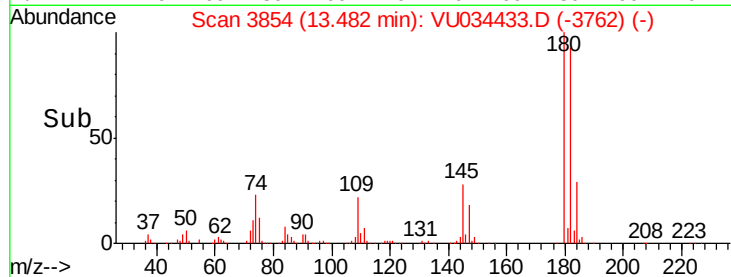
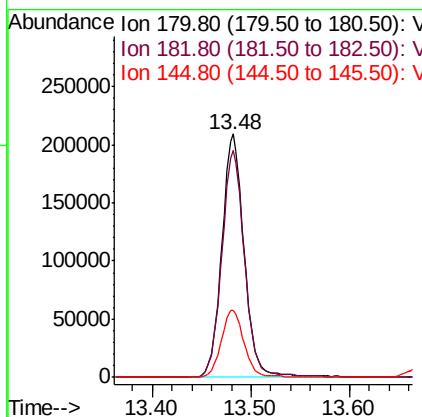
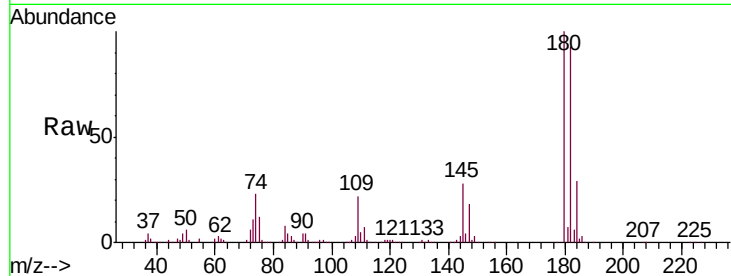




#93
 1,2,4-Trichlorobenzene
 Concen: 51.672 ug/l
 RT: 13.48 min Scan# 3854
 Delta R.T. -0.00 min
 Lab File: VU034433.D
 Acq: 09 Sep 2019 15:09

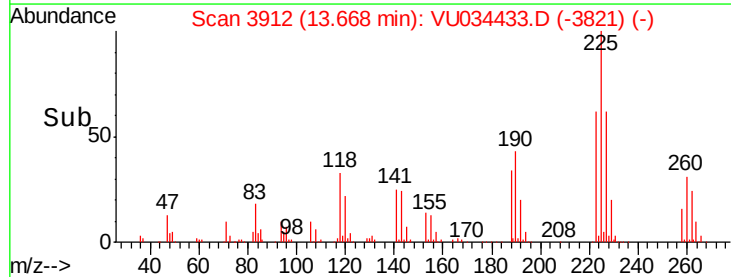
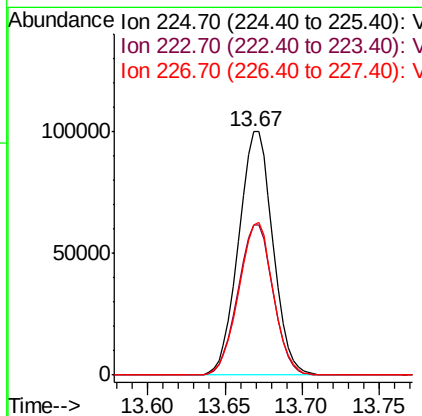
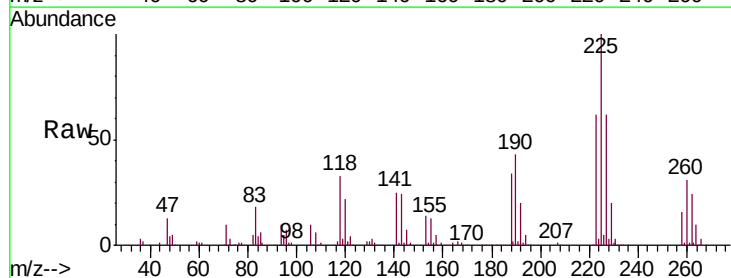
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

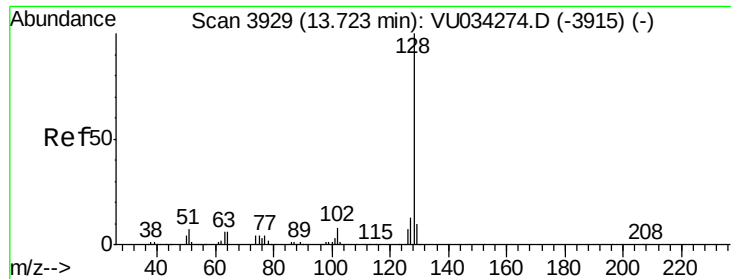
Tgt Ion:180 Resp: 333655
 Ion Ratio Lower Upper
 180 100
 182 95.2 47.9 143.8
 145 28.1 14.4 43.0



#94
 Hexachlorobutadiene
 Concen: 49.799 ug/l
 RT: 13.67 min Scan# 3912
 Delta R.T. -0.01 min
 Lab File: VU034433.D
 Acq: 09 Sep 2019 15:09

Tgt Ion:225 Resp: 154720
 Ion Ratio Lower Upper
 225 100
 223 63.2 31.6 94.7
 227 62.9 32.3 96.8

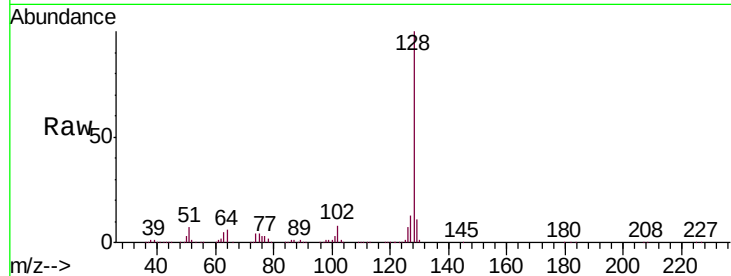




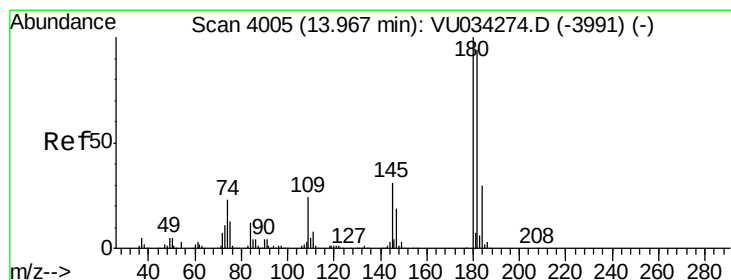
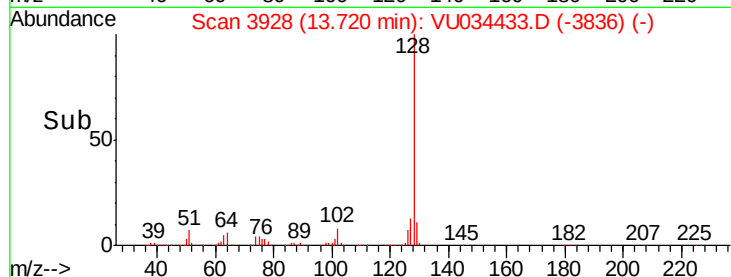
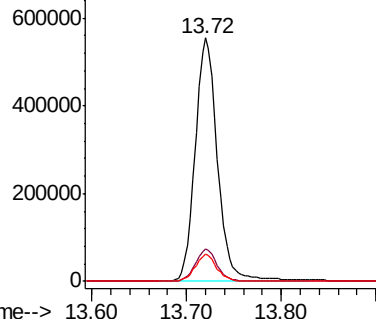
#95
Naphthalene
Concen: 50.132 ug/l
RT: 13.72 min Scan# 3928
Delta R.T. -0.00 min
Lab File: VU034433.D
Acq: 09 Sep 2019 15:09

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tgt Ion	Ratio	Lower	Upper
128	100		
127	13.2	10.6	15.8
129	10.8	8.4	12.6

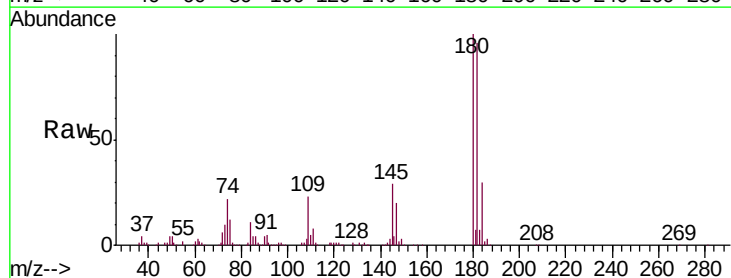


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96
1,2,3-Trichlorobenzene
Concen: 53.267 ug/l
RT: 13.96 min Scan# 4004
Delta R.T. -0.00 min
Lab File: VU034433.D
Acq: 09 Sep 2019 15:09

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.7	48.4	145.0
145	30.2	15.4	46.4



Abundance Ion 179.80 (179.50 to 180.50): V
Ion 181.80 (181.50 to 182.50): V
Ion 144.90 (144.60 to 145.60): V

