

Data File : VU034504.D
Acq On : 12 Sep 2019 02:49
Operator : JC/SP
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 27 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Quant Time: Sep 12 04:49:54 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	255519	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.86	114	361865	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.07	117	367196	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.46	152	248293	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.29	65	201088	52.01	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.02%	
35) Dibromofluoromethane	4.86	113	181356	53.86	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.72%	
50) Toluene-d8	7.54	98	675565	53.40	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.80%	
62) 4-Bromofluorobenzene	10.29	95	257241	52.67	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.34%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.20	85	126855	47.469	ug/l	97
3) Chloromethane	1.32	50	149019	51.617	ug/l	98
4) Vinyl Chloride	1.40	62	160479	48.191	ug/l	97
5) Bromomethane	1.61	94	94501	56.465	ug/l	96
6) Chloroethane	1.68	64	104427	54.034	ug/l	99
7) Trichlorofluoromethane	1.87	101	231929	51.943	ug/l	100
8) Diethyl Ether	2.09	74	102487	52.182	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	2.27	101	152806	51.670	ug/l	99
10) Methyl Iodide	2.40	142	123131	45.854	ug/l	98
11) Tert butyl alcohol	2.81	59	245199	300.209	ug/l	98
12) 1,1-Dichloroethene	2.27	96	142813	51.370	ug/l	98
13) Acrolein	2.18	56	108632	158.245	ug/l	99
14) Allyl chloride	2.58	41	228302	42.955	ug/l	90
15) Acrylonitrile	2.92	53	578455	284.403	ug/l	98
16) Acetone	2.31	43	461539	230.692	ug/l	99
17) Carbon Disulfide	2.46	76	271261	43.414	ug/l	99
18) Methyl Acetate	2.60	43	262097	53.839	ug/l	98
19) Methyl tert-butyl Ether	2.98	73	573072	56.554	ug/l	100
20) Methylene Chloride	2.68	84	186316	56.912	ug/l	99
21) trans-1,2-Dichloroethene	2.97	96	149068	50.883	ug/l	96
22) Diisopropyl ether	3.55	45	584546	56.397	ug/l	99
23) Vinyl Acetate	3.50	43	2359016	279.410	ug/l	99
24) 1,1-Dichloroethane	3.43	63	325870	52.646	ug/l	100
25) 2-Butanone	4.24	43	744370	278.724	ug/l	98
26) 2,2-Dichloropropane	4.21	77	204855	41.149	ug/l	98
27) cis-1,2-Dichloroethene	4.20	96	193723	54.445	ug/l	96
28) Bromochloromethane	4.52	49	158094	55.528	ug/l	96
29) Tetrahydrofuran	4.61	42	467921	287.934	ug/l	99
30) Chloroform	4.65	83	335583	53.337	ug/l	100
31) Cyclohexane	4.97	56	221022	48.808	ug/l	99
32) 1,1,1-Trichloroethane	4.89	97	273421	54.354	ug/l	99
36) 1,1-Dichloropropene	5.12	75	209559	53.398	ug/l	100
37) Ethyl Acetate	4.36	43	267661	57.686	ug/l	99
38) Carbon Tetrachloride	5.11	117	230123	54.919	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.40	83	215632	51.399	ug/l	100
40) Benzene	5.37	78	696266	54.983	ug/l	99
41) Methacrylonitrile	4.52	41	149357	60.431	ug/l	99
42) 1,2-Dichloroethane	5.38	62	243530	55.390	ug/l	100
43) Isopropyl Acetate	5.53	43	415279	57.372	ug/l	99
44) Trichloroethene	6.16	130	192728	54.999	ug/l	99
45) 1,2-Dichloropropane	6.41	63	210112	56.756	ug/l	100
46) Dibromomethane	6.54	93	130466	56.144	ug/l	99
47) Bromodichloromethane	6.73	83	270394	56.529	ug/l	99
48) Methyl methacrylate	6.60	41	198481	57.733	ug/l	99
49) 1,4-Dioxane	6.59	88	89180	1187.933	ug/l	99
51) 4-Methyl-2-Pentanone	7.44	43	1461347	291.665	ug/l	99
52) Toluene	7.61	92	444408	55.944	ug/l	98
53) t-1,3-Dichloropropene	7.86	75	271812	54.818	ug/l	99
54) cis-1,3-Dichloropropene	7.25	75	300487	55.216	ug/l	99
55) 1,1,2-Trichloroethane	8.04	97	205065	56.851	ug/l	99
56) Ethyl methacrylate	8.00	69	293666	53.366	ug/l	100
57) 1,3-Dichloropropane	8.22	76	330727	56.308	ug/l	98
58) 2-Chloroethyl Vinyl ether	7.11	63	490384	263.529	ug/l	100
59) 2-Hexanone	8.34	43	1098556	293.496	ug/l	99
60) Dibromochloromethane	8.45	129	228841	59.149	ug/l	100
61) 1,2-Dibromoethane	8.57	107	202676	57.407	ug/l	99
64) Tetrachloroethene	8.21	164	175876	55.209	ug/l	97
65) Chlorobenzene	9.10	112	515924	55.381	ug/l	99
66) 1,1,1,2-Tetrachloroethane	9.19	131	200067	56.273	ug/l	99
67) Ethyl Benzene	9.23	91	864781	56.774	ug/l	100
68) m/p-Xylenes	9.35	106	671809	117.126	ug/l	99
69) o-Xylene	9.76	106	322997	57.582	ug/l	99
70) Styrene	9.77	104	595399	60.540	ug/l	99
71) Bromoform	9.94	173	175437	56.937	ug/l #	99
73) Isopropylbenzene	10.14	105	897294	55.531	ug/l	99
74) N-amyl acetate	9.99	43	370126	56.906	ug/l	99
75) 1,1,2,2-Tetrachloroethane	10.43	83	347625	53.150	ug/l	100
76) 1,2,3-Trichloropropane	10.47	75	368522	67.996	ug/l	85
77) Bromobenzene	10.43	156	243479	53.890	ug/l	98
78) n-propylbenzene	10.57	91	1038154	55.631	ug/l	100
79) 2-Chlorotoluene	10.64	91	629018	55.243	ug/l	100
80) 1,3,5-Trimethylbenzene	10.75	105	777169	57.509	ug/l	100
81) trans-1,4-Dichloro-2-buten	10.47	75	369862	229.496	ug/l #	100
82) 4-Chlorotoluene	10.75	91	720017	54.949	ug/l	99
83) tert-Butylbenzene	11.08	119	751599	55.596	ug/l	100
84) 1,2,4-Trimethylbenzene	11.13	105	781269	57.433	ug/l	100
85) sec-Butylbenzene	11.30	105	894470	56.044	ug/l	100
86) p-Isopropyltoluene	11.45	119	832526	56.515	ug/l	99
87) 1,3-Dichlorobenzene	11.39	146	441514	53.553	ug/l	100
88) 1,4-Dichlorobenzene	11.49	146	443377	51.560	ug/l	99
89) n-Butylbenzene	11.86	91	712004	55.619	ug/l	100
90) Hexachloroethane	12.12	117	126480	53.666	ug/l	98
91) 1,2-Dichlorobenzene	11.85	146	437816	54.034	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.63	75	68474	56.973	ug/l	98

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU091219\
Quantitation Report (Not Reviewed)

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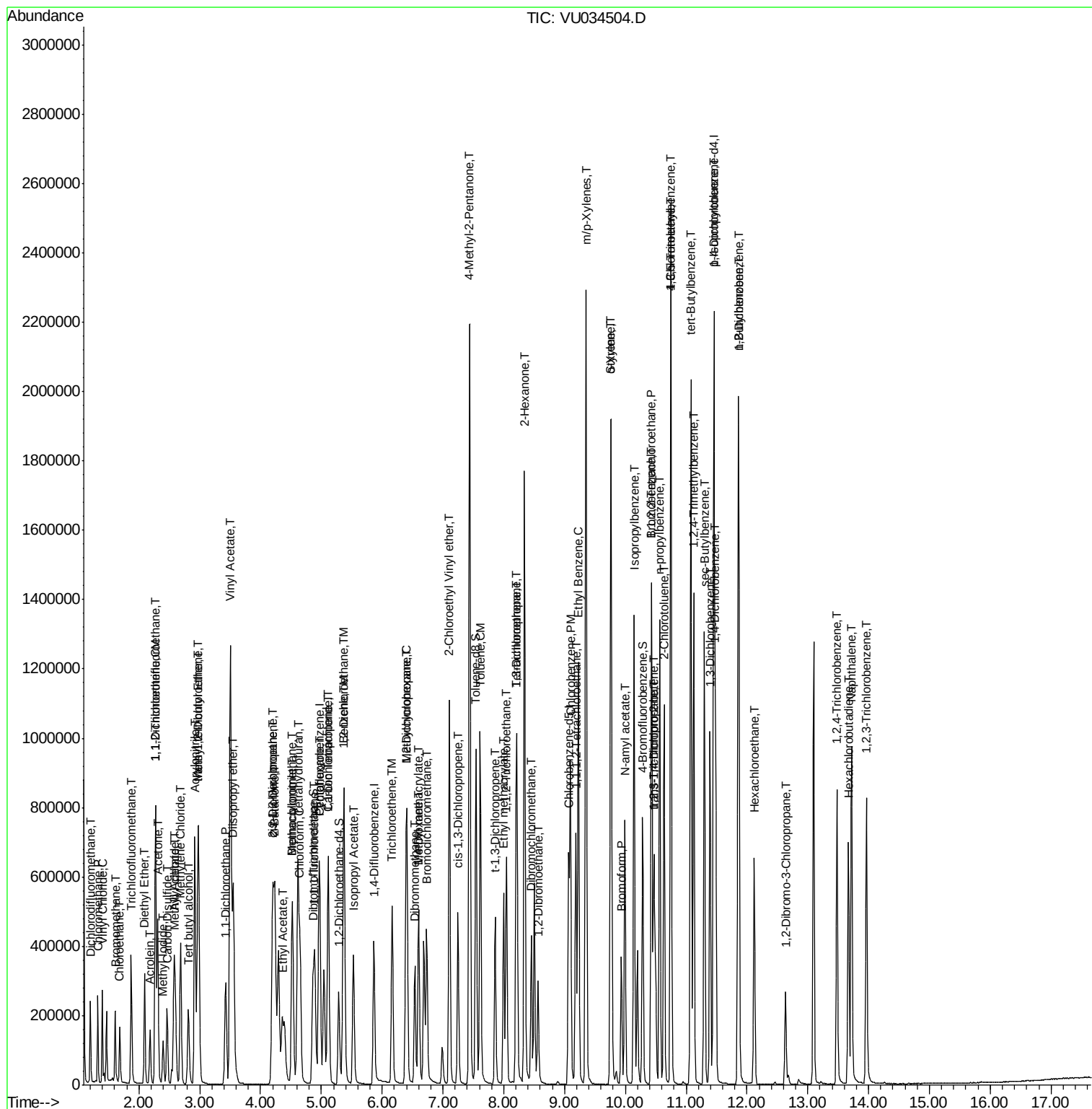
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.48	180	294342	50.083	ug/l	98
94) Hexachlorobutadiene	13.67	225	140752	49.661	ug/l	100
95) Naphthalene	13.72	128	814416	49.277	ug/l	99
96) 1,2,3-Trichlorobenzene	13.96	180	294408	51.771	ug/l	99

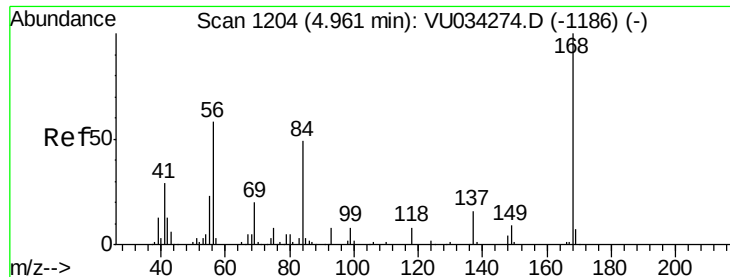
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.96 min Scan# 1204

Delta R.T. 0.00 min

Lab File: VU034504.D

Acq: 12 Sep 2019 02:49

Instrument :

MSVOA_U

ClientSampleId :

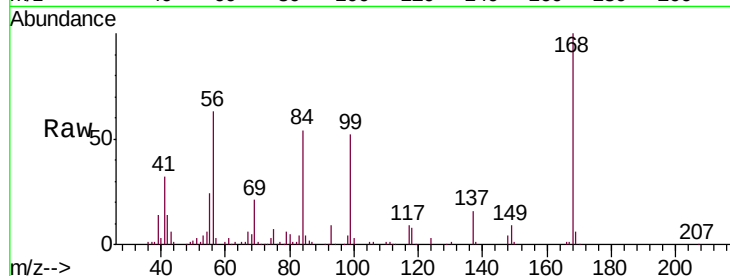
VSTDCCC050EC

Tgt Ion:168 Resp: 255519

Ion Ratio Lower Upper

168 100

99 51.4 41.6 62.4



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

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

4.96

120000

100000

80000

60000

40000

20000

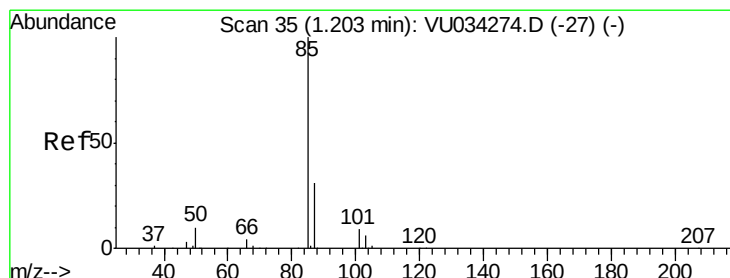
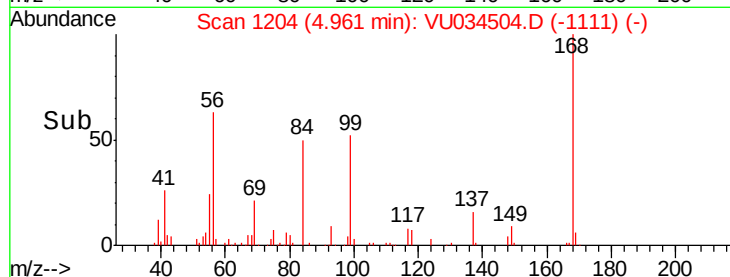
0

4.90

5.00

5.10

Time-->



#2

Dichlorodifluoromethane

Concen: 47.469 ug/l

RT: 1.20 min Scan# 35

Delta R.T. 0.00 min

Lab File: VU034504.D

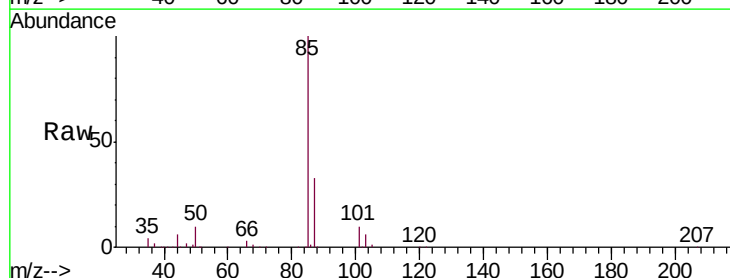
Acq: 12 Sep 2019 02:49

Tgt Ion: 85 Resp: 126855

Ion Ratio Lower Upper

85 100

87 32.7 15.7 47.0



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

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

1.20

150000

100000

50000

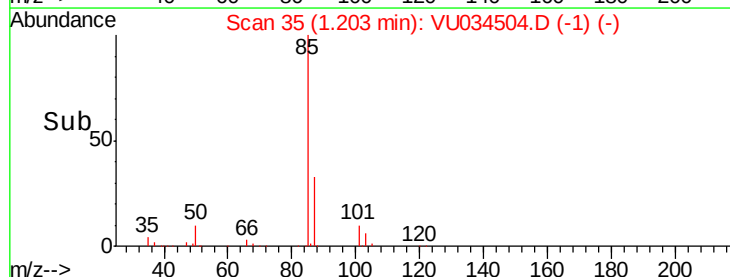
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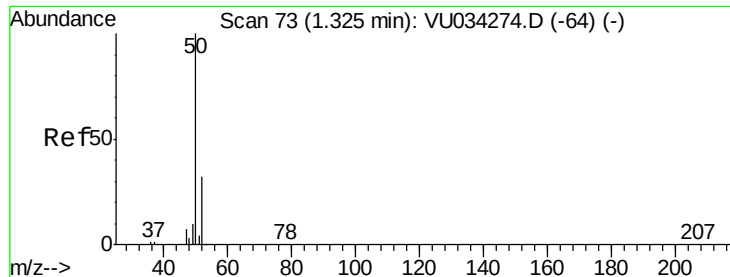
1.15

1.20

1.25

Time-->





#3

Chloromethane

Concen: 51.617 ug/l

RT: 1.32 min Scan# 73

Delta R.T. 0.00 min

Lab File: VU034504.D

Acq: 12 Sep 2019 02:49

Instrument :

MSVOA_U

ClientSampleId :

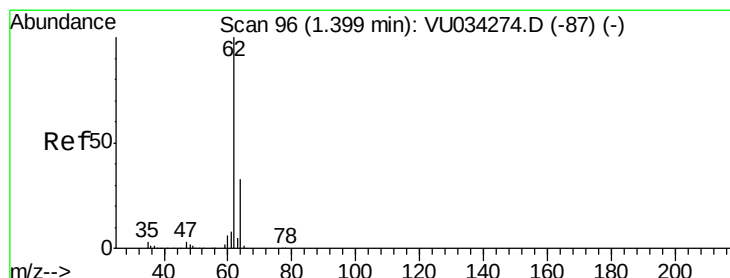
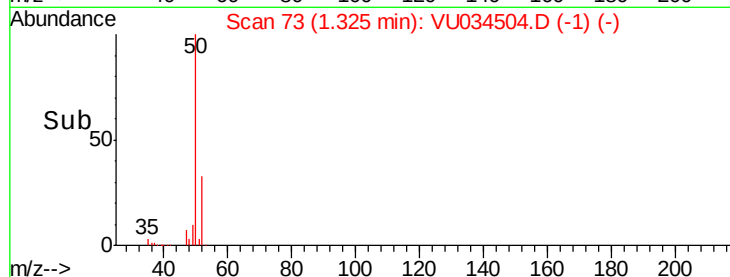
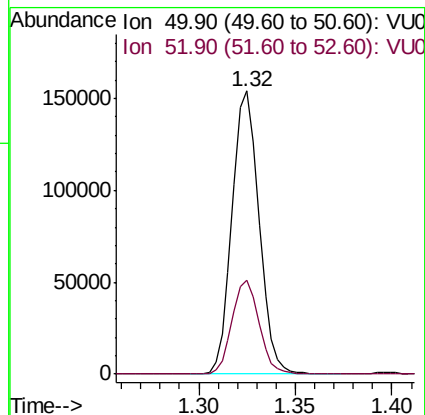
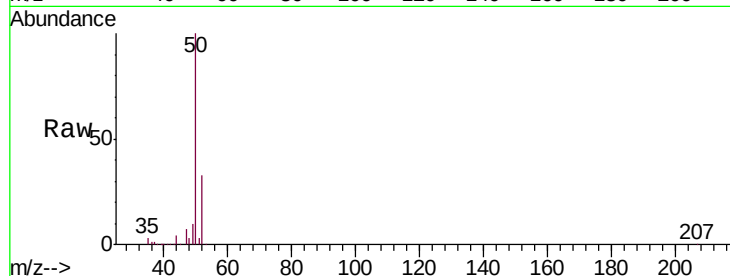
VSTDCCC050EC

Tgt Ion: 50 Resp: 149019

Ion Ratio Lower Upper

50 100

52 33.2 25.8 38.6



#4

Vinyl Chloride

Concen: 48.191 ug/l

RT: 1.40 min Scan# 96

Delta R.T. 0.00 min

Lab File: VU034504.D

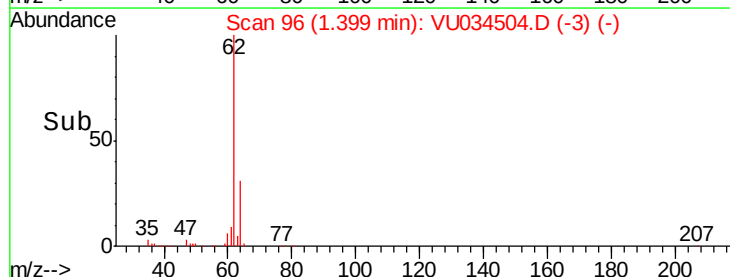
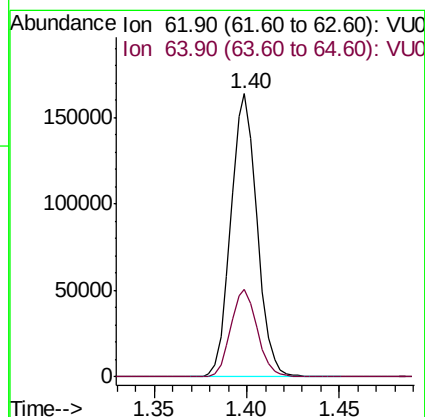
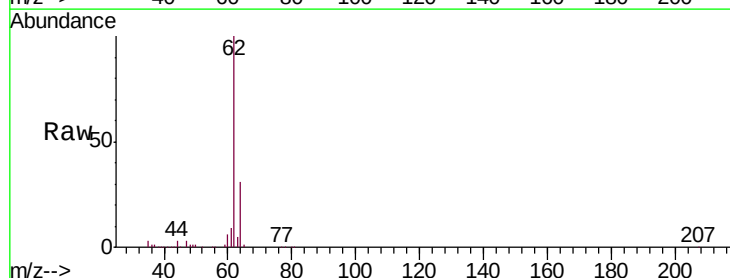
Acq: 12 Sep 2019 02:49

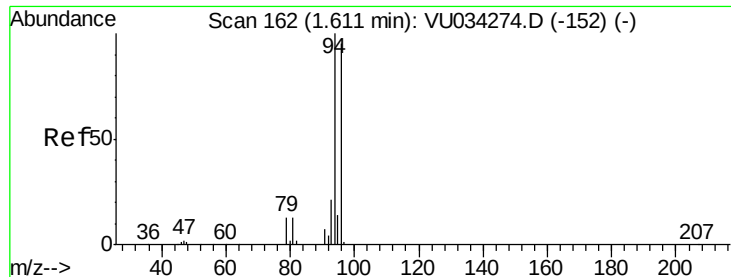
Tgt Ion: 62 Resp: 160479

Ion Ratio Lower Upper

62 100

64 31.1 26.2 39.4





#5

Bromomethane

Concen: 56.465 ug/l

RT: 1.61 min Scan# 162

Delta R.T. 0.00 min

Lab File: VU034504.D

Acq: 12 Sep 2019 02:49

Instrument :

MSVOA_U

ClientSampleId :

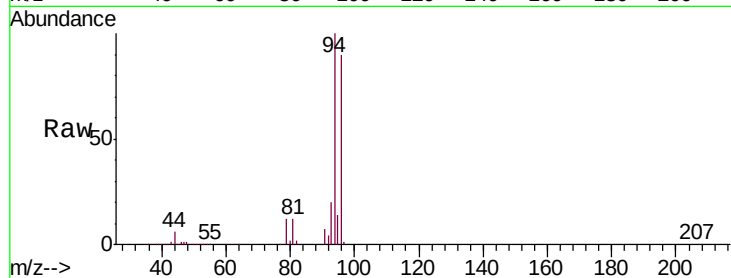
VSTDCCC050EC

Tgt Ion: 94 Resp: 94501

Ion Ratio Lower Upper

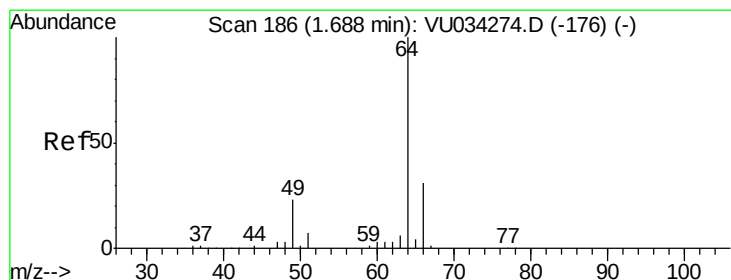
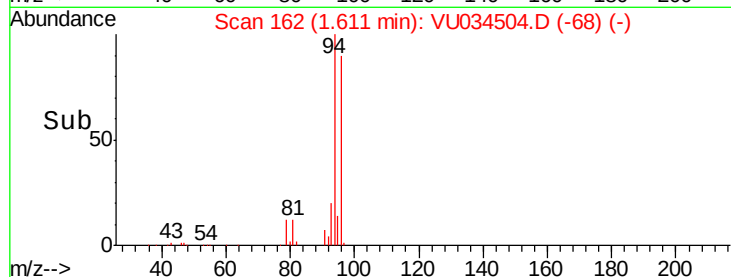
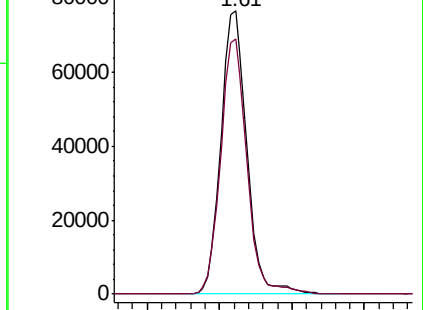
94 100

96 90.3 75.7 113.5



Abundance Ion 93.90 (93.60 to 94.60): VU034504.D (-152) (-)

Ion 95.90 (95.60 to 96.60): VU034504.D (-152) (-)



#6

Chloroethane

Concen: 54.034 ug/l

RT: 1.68 min Scan# 185

Delta R.T. -0.00 min

Lab File: VU034504.D

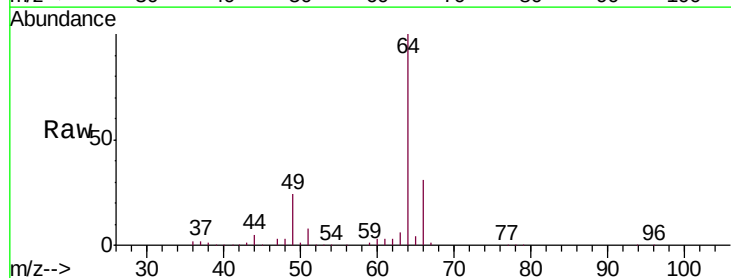
Acq: 12 Sep 2019 02:49

Tgt Ion: 64 Resp: 104427

Ion Ratio Lower Upper

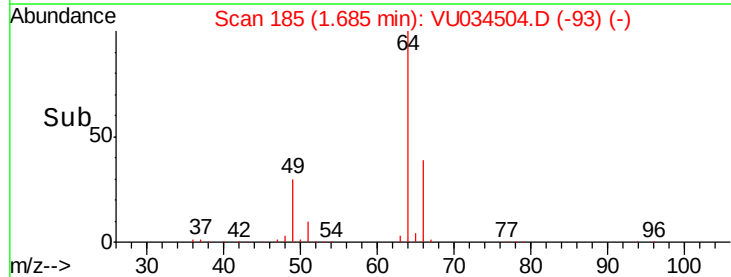
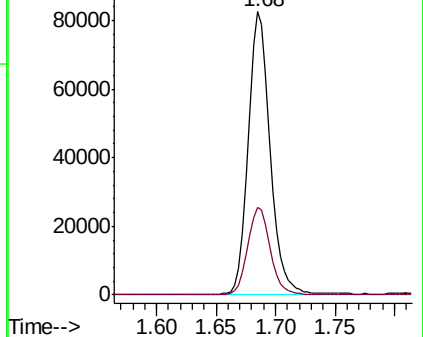
64 100

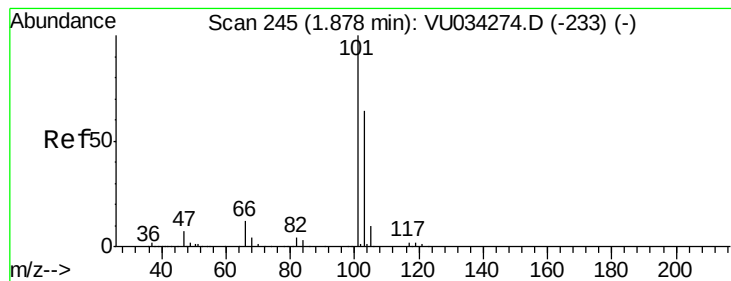
66 30.9 25.0 37.6



Abundance Ion 63.90 (63.60 to 64.60): VU034504.D (-176) (-)

Ion 65.90 (65.60 to 66.60): VU034504.D (-176) (-)



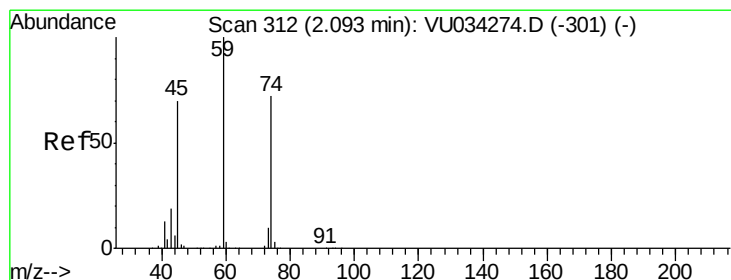
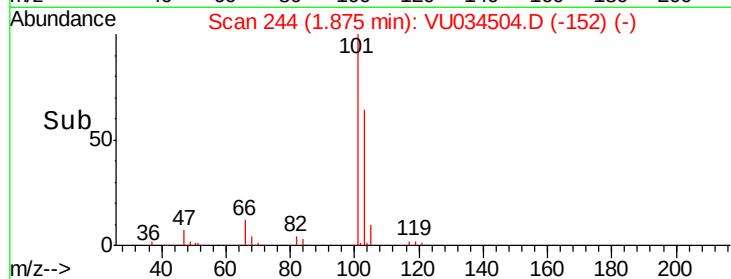
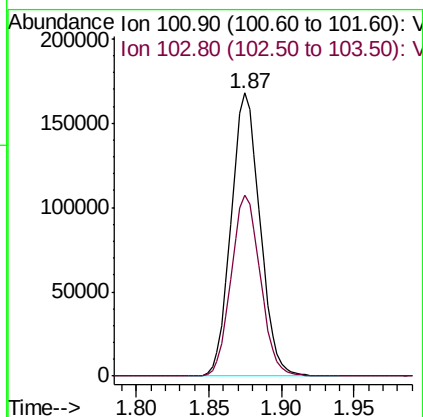
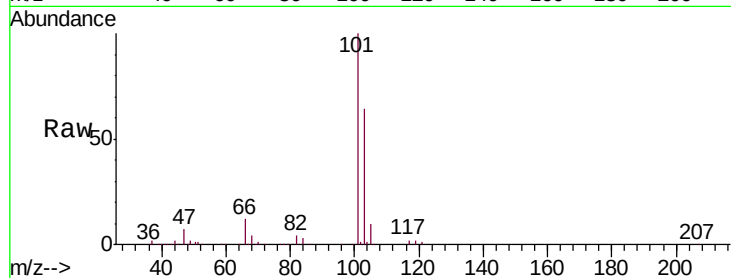


#7

Trichlorofluoromethane
 Concen: 51.943 ug/l
 RT: 1.87 min Scan# 244
 Delta R.T. -0.00 min
 Lab File: VU034504.D
 Acq: 12 Sep 2019 02:49

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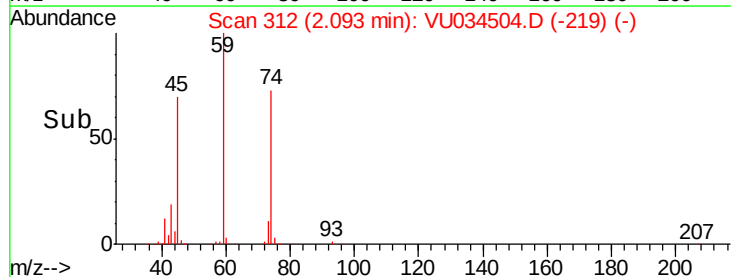
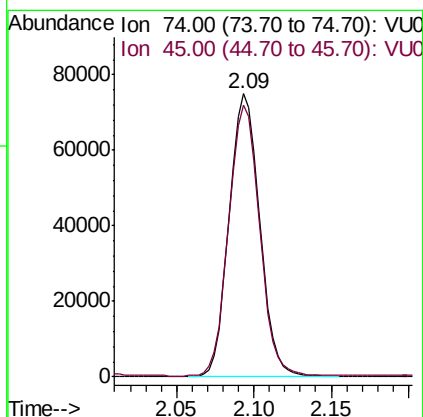
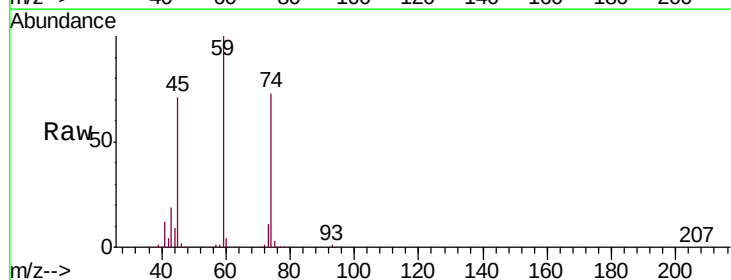
Tgt Ion:101 Resp: 231929
 Ion Ratio Lower Upper
 101 100
 103 64.1 51.0 76.6

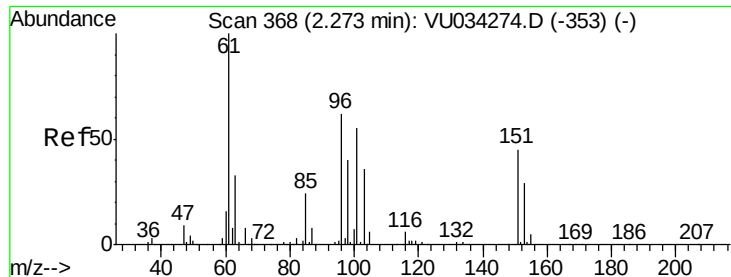


#8

Diethyl Ether
 Concen: 52.182 ug/l
 RT: 2.09 min Scan# 312
 Delta R.T. 0.00 min
 Lab File: VU034504.D
 Acq: 12 Sep 2019 02:49

Tgt Ion: 74 Resp: 102487
 Ion Ratio Lower Upper
 74 100
 45 96.7 48.2 144.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 51.670 ug/l

RT: 2.27 min Scan# 368

Delta R.T. 0.00 min

Lab File: VU034504.D

Acq: 12 Sep 2019 02:49

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

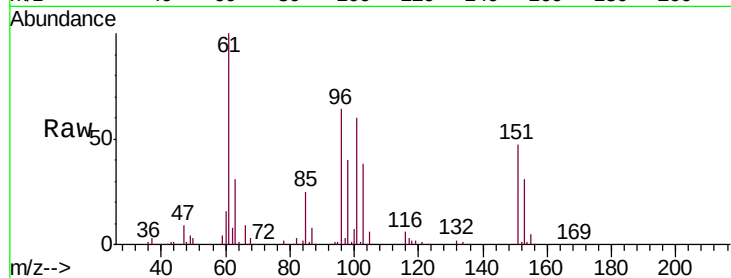
Tgt Ion:101 Resp: 152806

Ion Ratio Lower Upper

101 100

85 41.8 34.4 51.6

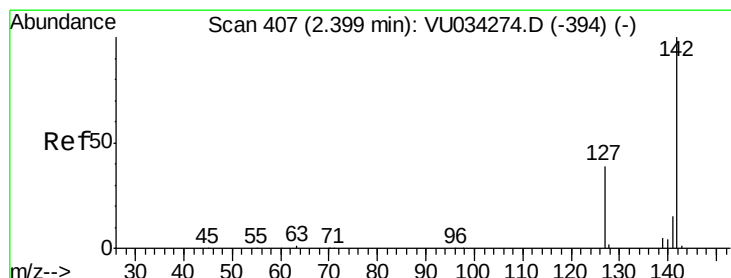
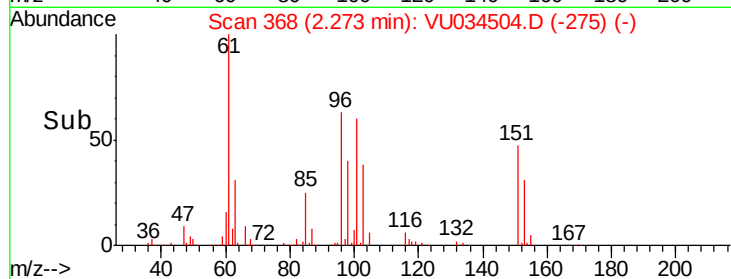
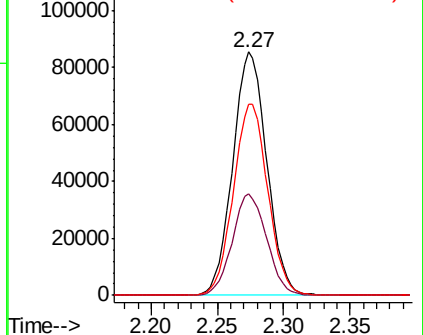
151 79.3 64.4 96.6



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: 45.854 ug/l

RT: 2.40 min Scan# 407

Delta R.T. 0.00 min

Lab File: VU034504.D

Acq: 12 Sep 2019 02:49

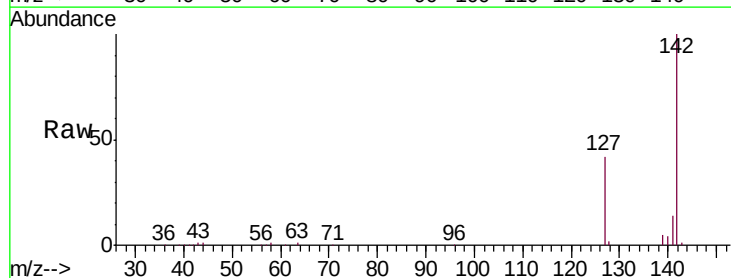
Tgt Ion:142 Resp: 123131

Ion Ratio Lower Upper

142 100

127 41.9 32.1 48.1

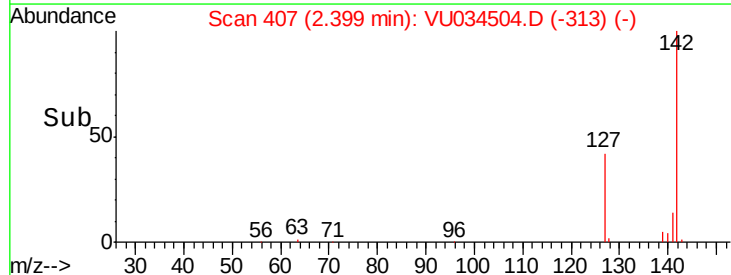
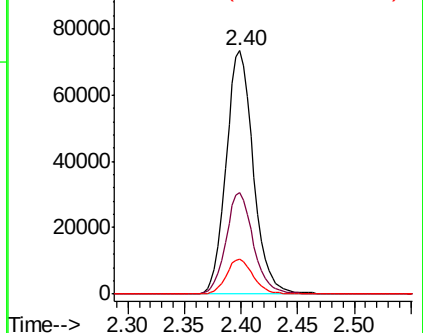
141 14.3 11.5 17.3

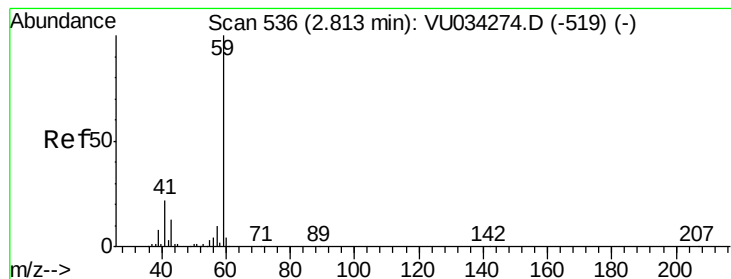


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



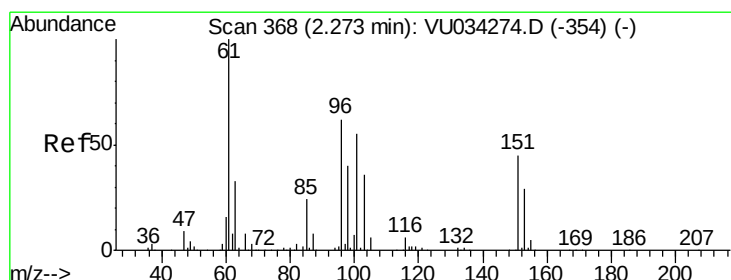
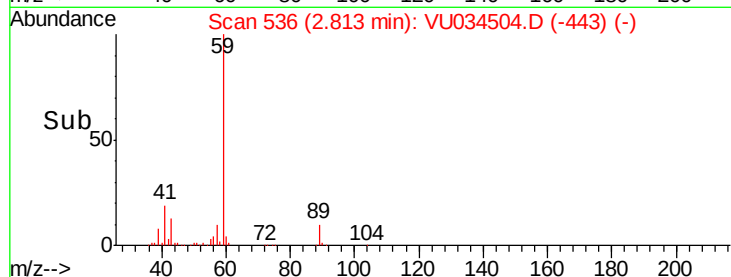
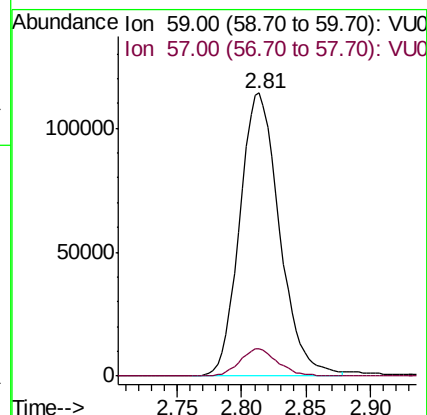
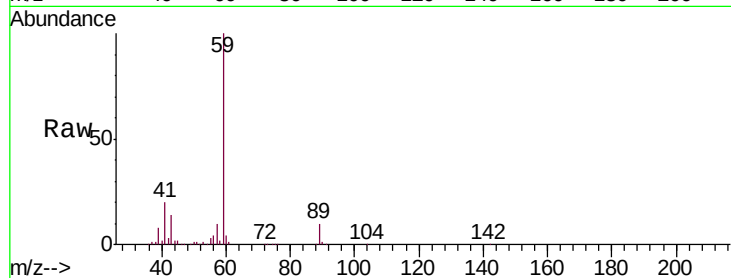


#11

Tert butyl alcohol
 Concen: 300.209 ug/l
 RT: 2.81 min Scan# 536
 Delta R.T. 0.00 min
 Lab File: VU034504.D
 Acq: 12 Sep 2019 02:49

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

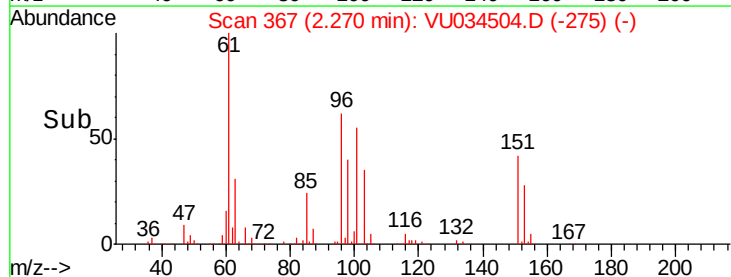
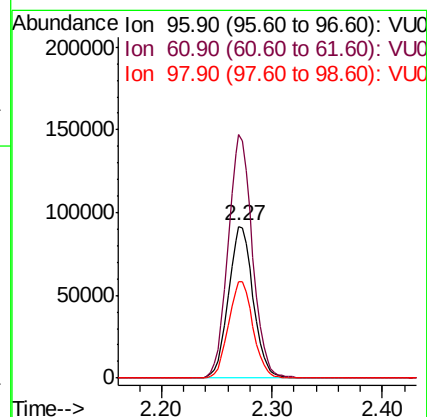
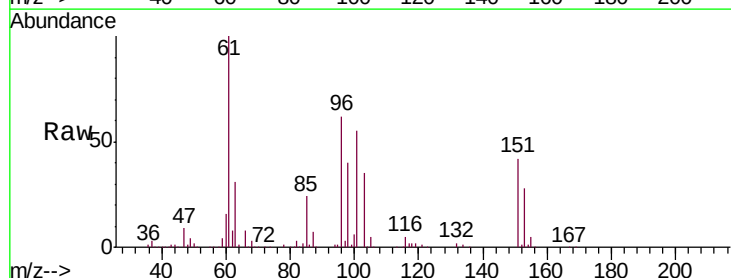
Tgt Ion: 59 Resp: 245199
 Ion Ratio Lower Upper
 59 100
 57 9.3 7.9 11.9

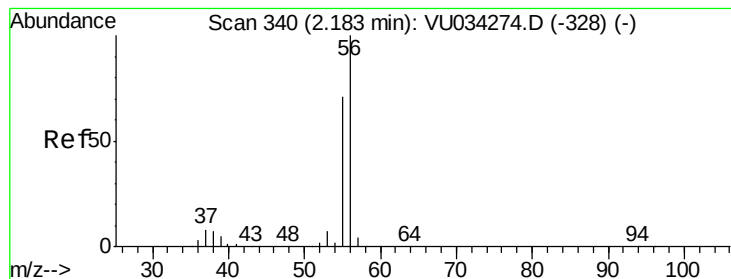


#12

1,1-Dichloroethene
 Concen: 51.370 ug/l
 RT: 2.27 min Scan# 367
 Delta R.T. -0.00 min
 Lab File: VU034504.D
 Acq: 12 Sep 2019 02:49

Tgt Ion: 96 Resp: 142813
 Ion Ratio Lower Upper
 96 100
 61 160.3 130.0 195.0
 98 63.7 52.2 78.4





#13

Acrolein

Concen: 158.245 ug/l

RT: 2.18 min Scan# 340

Delta R.T. 0.00 min

Lab File: VU034504.D

Acq: 12 Sep 2019 02:49

Instrument :

MSVOA_U

ClientSampleId :

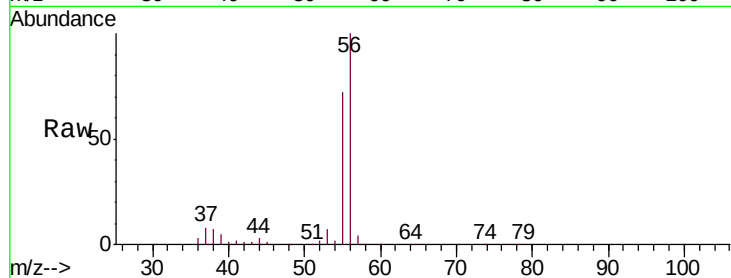
VSTDCCC050EC

Tgt Ion: 56 Resp: 108632

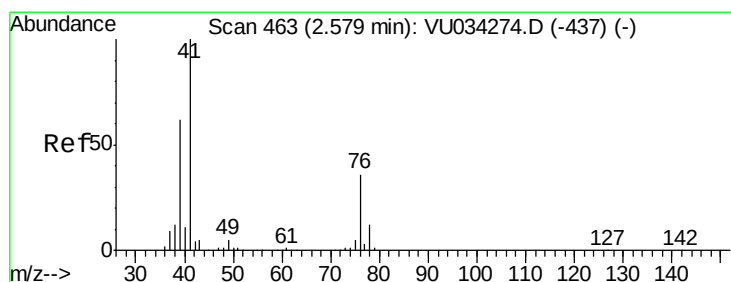
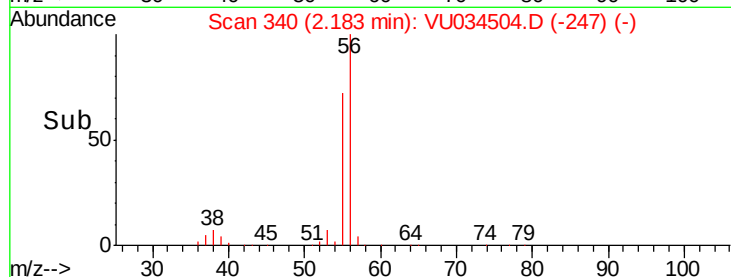
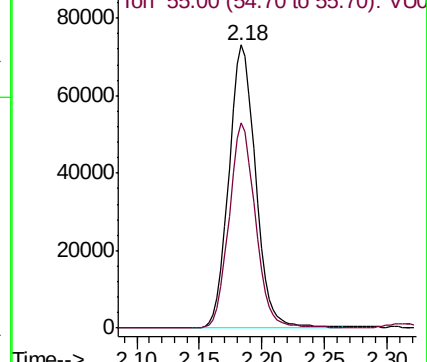
Ion Ratio Lower Upper

56 100

55 71.2 57.4 86.2



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



#14

Allyl chloride

Concen: 42.955 ug/l

RT: 2.58 min Scan# 463

Delta R.T. 0.00 min

Lab File: VU034504.D

Acq: 12 Sep 2019 02:49

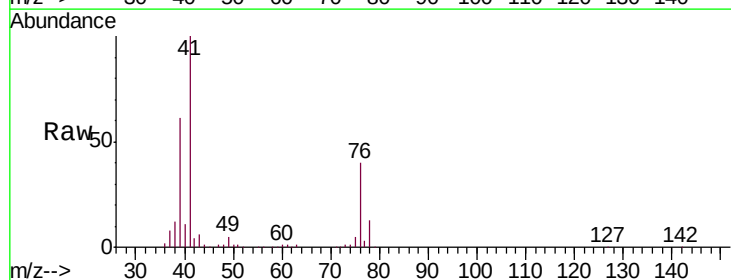
Tgt Ion: 41 Resp: 228302

Ion Ratio Lower Upper

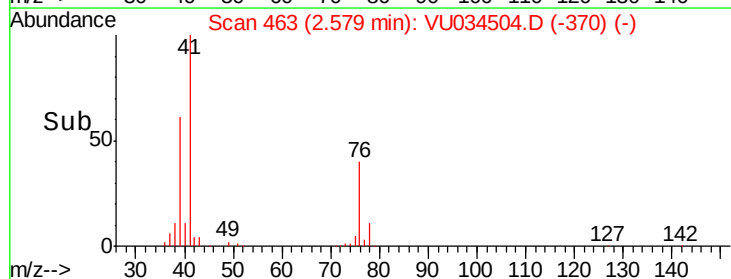
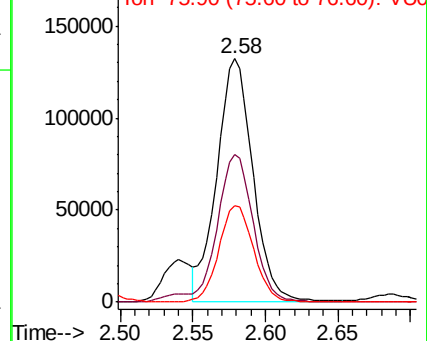
41 100

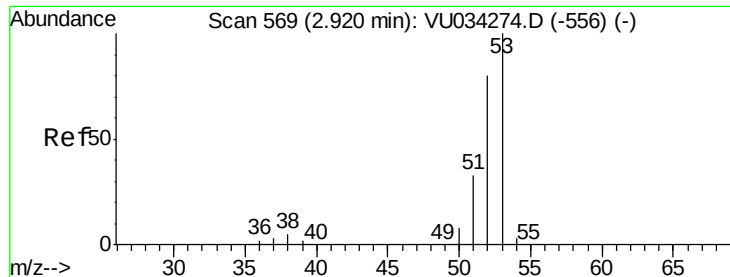
39 62.3 43.5 65.3

76 38.5 27.0 40.6



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





#15

Acrylonitrile

Concen: 284.403 ug/l

RT: 2.92 min Scan# 569

Delta R.T. 0.00 min

Lab File: VU034504.D

Acq: 12 Sep 2019 02:49

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

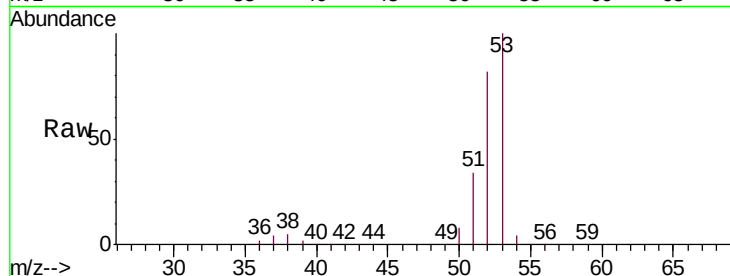
Tgt Ion: 53 Resp: 578455

Ion Ratio Lower Upper

53 100

52 82.2 64.1 96.1

51 34.5 27.4 41.0

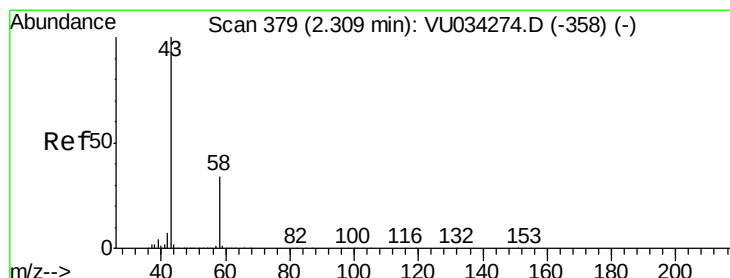
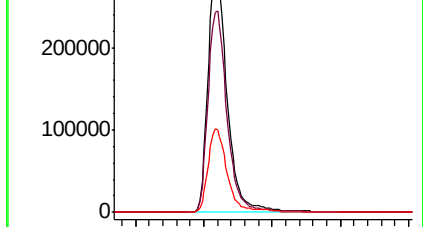
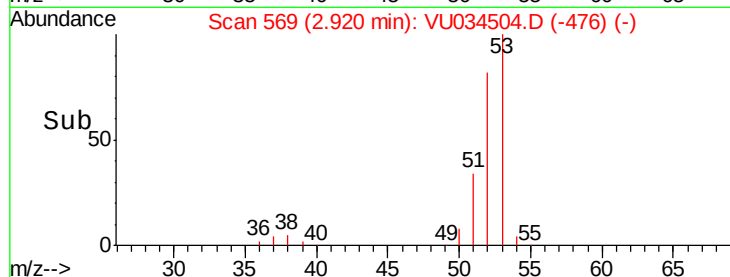


Abundance Ion 53.00 (52.70 to 53.70): VU034274.D (-556) (-)

Ion 52.00 (51.70 to 52.70): VU034274.D (-556) (-)

Ion 51.00 (50.70 to 51.70): VU034274.D (-556) (-)

Time-->



#16

Acetone

Concen: 230.692 ug/l

RT: 2.31 min Scan# 379

Delta R.T. 0.00 min

Lab File: VU034504.D

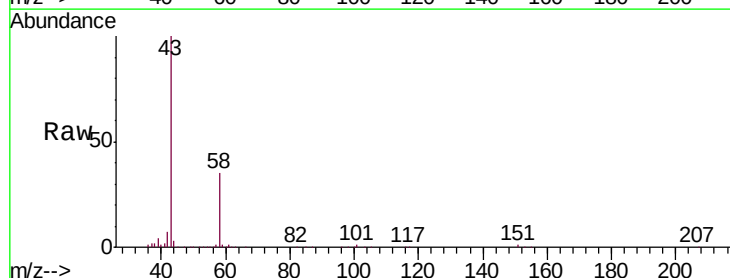
Acq: 12 Sep 2019 02:49

Tgt Ion: 43 Resp: 461539

Ion Ratio Lower Upper

43 100

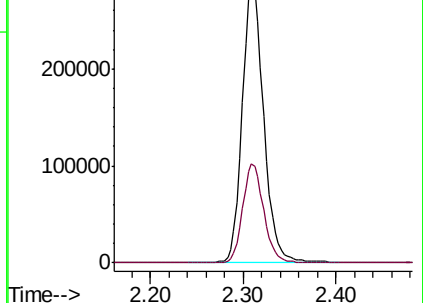
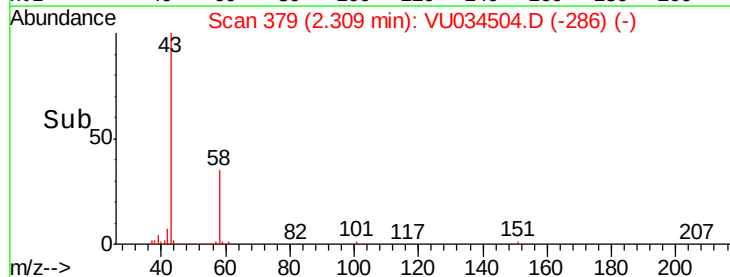
58 35.0 27.6 41.4

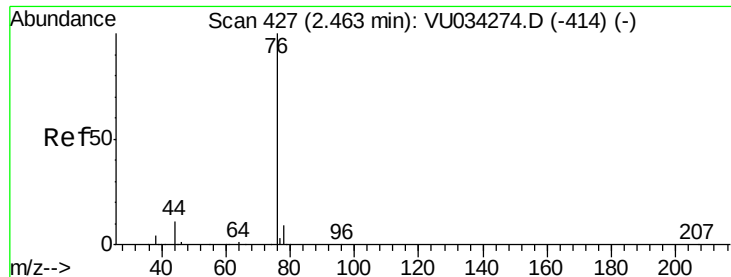


Abundance Ion 43.00 (42.70 to 43.70): VU034274.D (-358) (-)

Ion 58.00 (57.70 to 58.70): VU034274.D (-358) (-)

Time-->

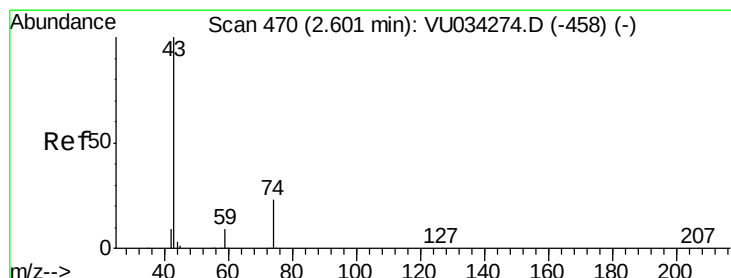
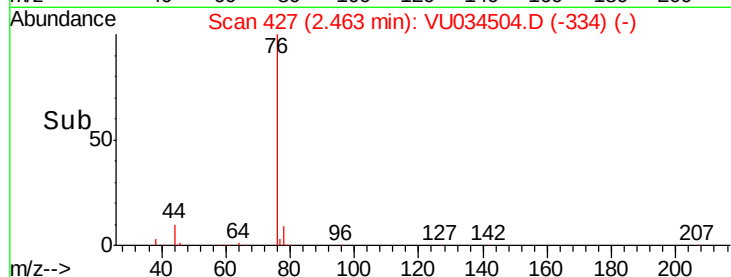
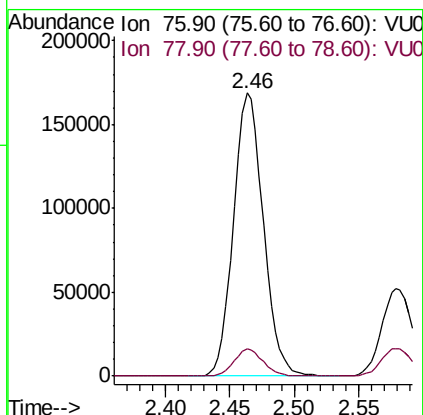
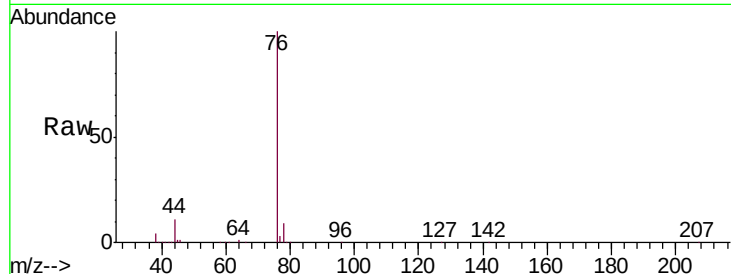




#17
Carbon Disulfide
Concen: 43.414 ug/l
RT: 2.46 min Scan# 427
Delta R.T. 0.00 min
Lab File: VU034504.D
Acq: 12 Sep 2019 02:49

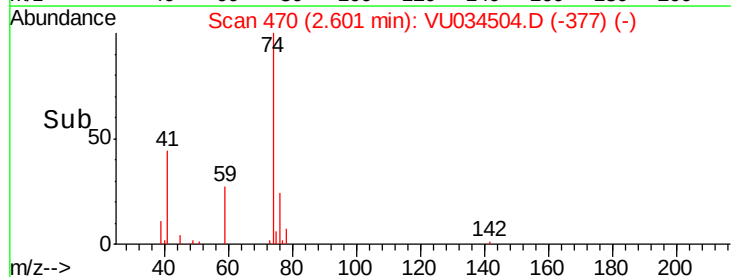
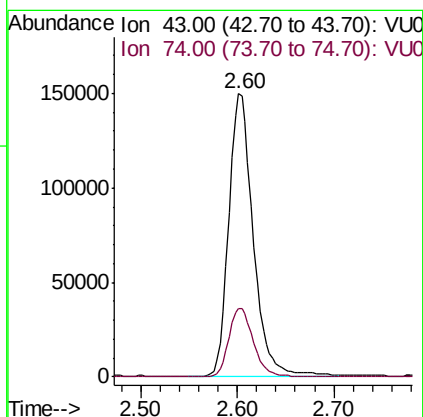
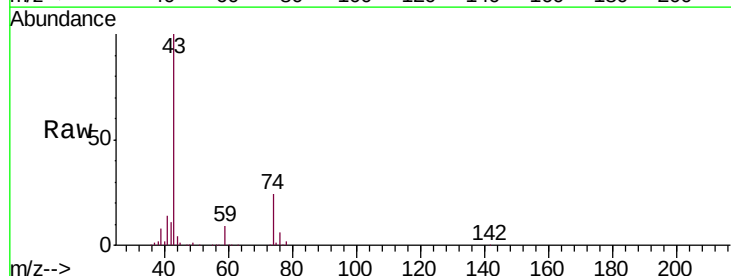
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

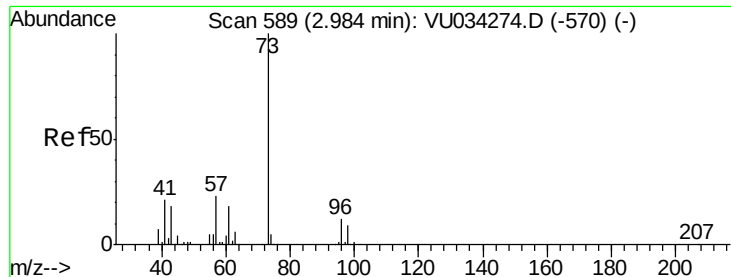
Tgt Ion: 76 Resp: 271261
Ion Ratio Lower Upper
76 100
78 9.5 7.2 10.8



#18
Methyl Acetate
Concen: 53.839 ug/l
RT: 2.60 min Scan# 470
Delta R.T. 0.00 min
Lab File: VU034504.D
Acq: 12 Sep 2019 02:49

Tgt Ion: 43 Resp: 262097
Ion Ratio Lower Upper
43 100
74 24.6 18.9 28.3

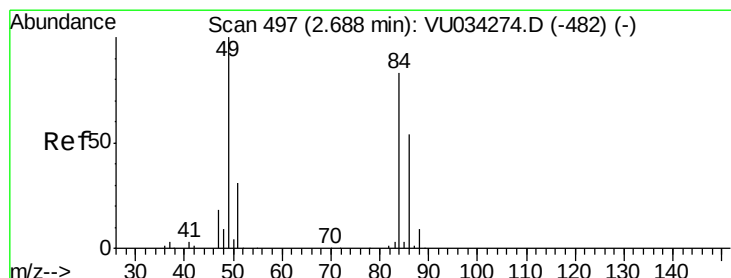
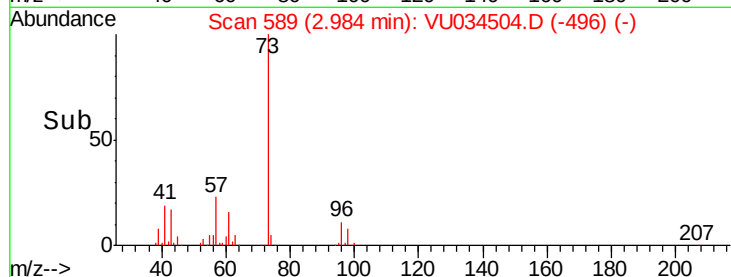
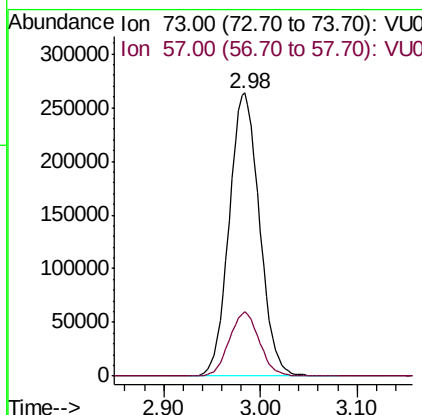
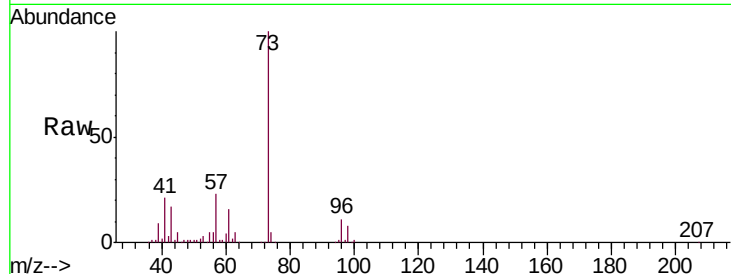




#19
Methyl tert-butyl Ether
Concen: 56.554 ug/l
RT: 2.98 min Scan# 589
Delta R.T. 0.00 min
Lab File: VU034504.D
Acq: 12 Sep 2019 02:49

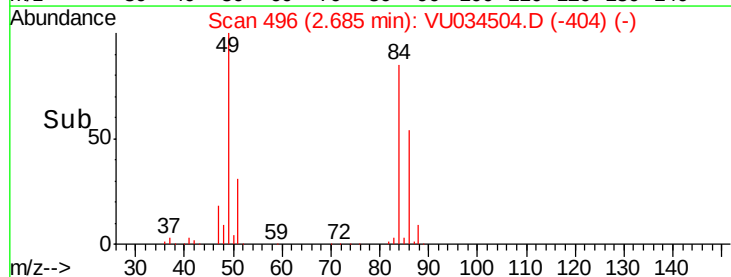
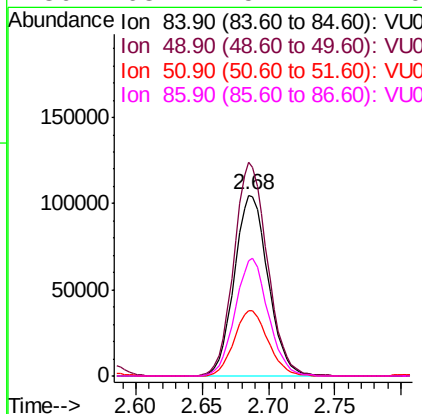
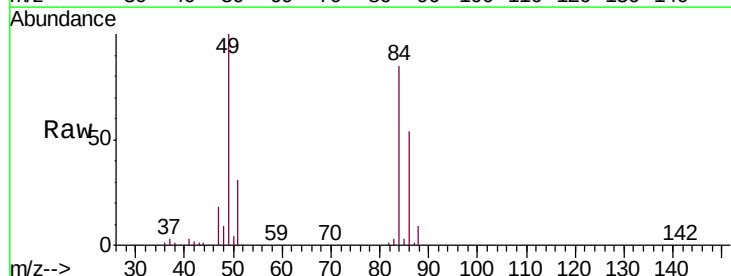
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

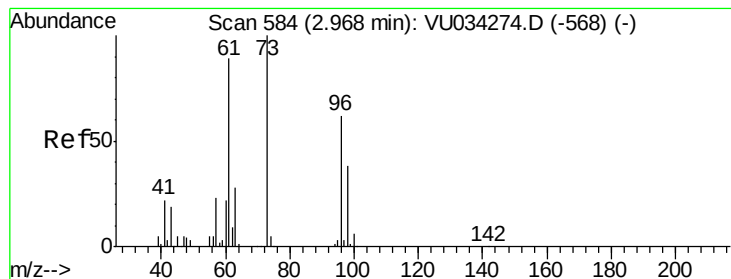
Tgt Ion: 73 Resp: 573072
Ion Ratio Lower Upper
73 100
57 22.6 18.2 27.4



#20
Methylene Chloride
Concen: 56.912 ug/l
RT: 2.68 min Scan# 496
Delta R.T. -0.00 min
Lab File: VU034504.D
Acq: 12 Sep 2019 02:49

Tgt Ion: 84 Resp: 186316
Ion Ratio Lower Upper
84 100
49 118.3 96.0 144.0
51 36.4 30.0 45.0
86 63.7 51.4 77.0





#21

trans-1,2-Dichloroethene

Concen: 50.883 ug/l

RT: 2.97 min Scan# 584

Delta R.T. 0.00 min

Lab File: VU034504.D

Acq: 12 Sep 2019 02:49

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

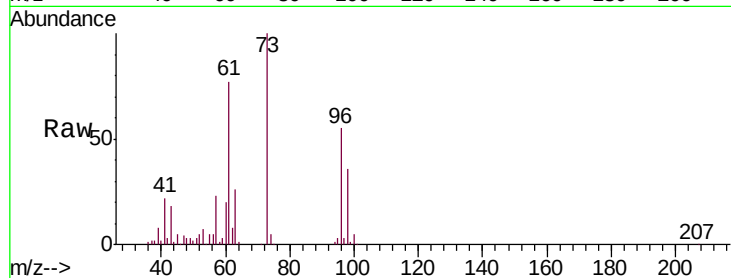
Tgt Ion: 96 Resp: 149068

Ion Ratio Lower Upper

96 100

61 139.1 114.8 172.2

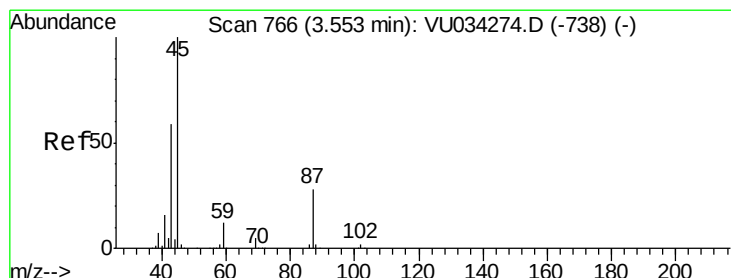
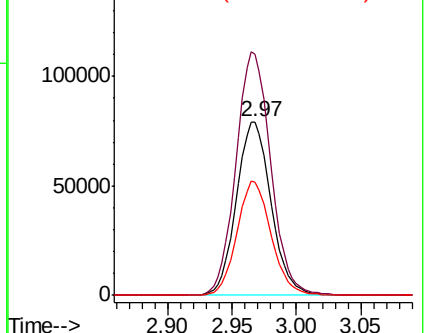
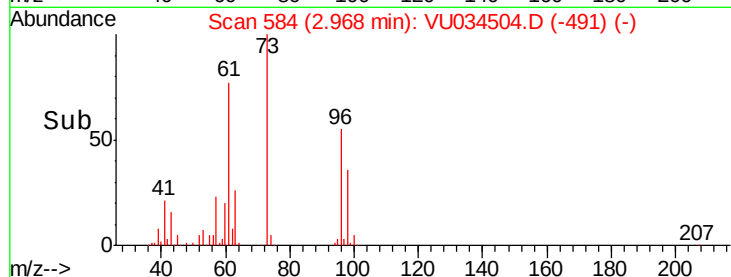
98 65.3 49.8 74.8



Abundance Ion 95.90 (95.60 to 96.60): VU034504.D (-491) (-)

Ion 60.90 (60.60 to 61.60): VU034504.D (-491) (-)

Ion 97.90 (97.60 to 98.60): VU034504.D (-491) (-)



#22

Diisopropyl ether

Concen: 56.397 ug/l

RT: 3.55 min Scan# 766

Delta R.T. 0.00 min

Lab File: VU034504.D

Acq: 12 Sep 2019 02:49

Tgt Ion: 45 Resp: 584546

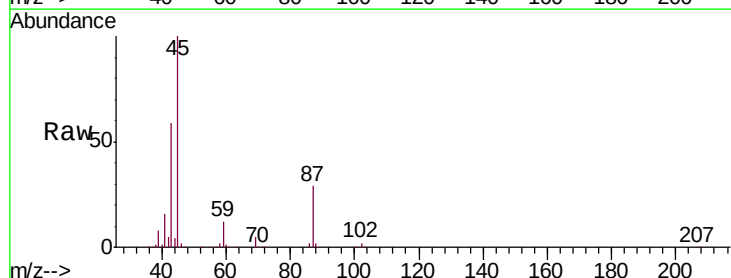
Ion Ratio Lower Upper

45 100

43 58.6 47.5 71.3

87 29.1 22.2 33.4

59 12.0 9.4 14.2

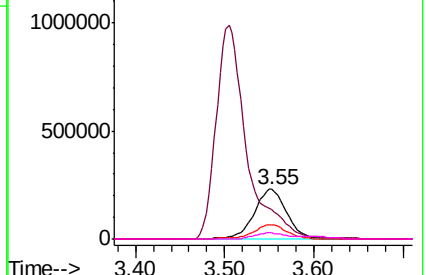
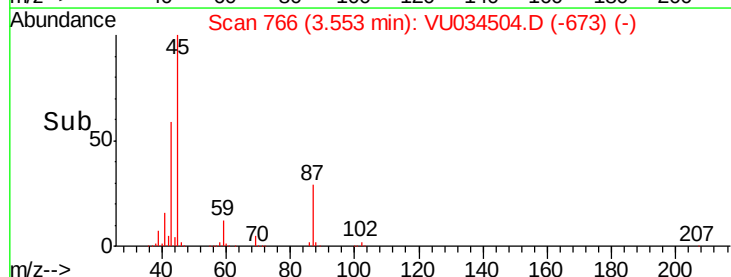


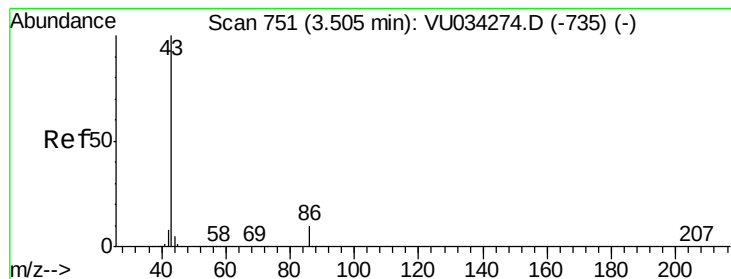
Abundance Ion 45.00 (44.70 to 45.70): VU034504.D (-673) (-)

Ion 43.00 (42.70 to 43.70): VU034504.D (-673) (-)

Ion 87.00 (86.70 to 87.70): VU034504.D (-673) (-)

Ion 59.00 (58.70 to 59.70): VU034504.D (-673) (-)





#23

Vinyl Acetate

Concen: 279.410 ug/l

RT: 3.50 min Scan# 751

Delta R.T. 0.00 min

Lab File: VU034504.D

Acq: 12 Sep 2019 02:49

Instrument :

MSVOA_U

ClientSampleId :

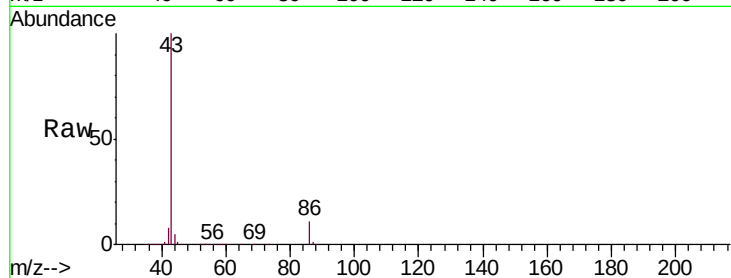
VSTDCCC050EC

Tgt Ion: 43 Resp: 2359016

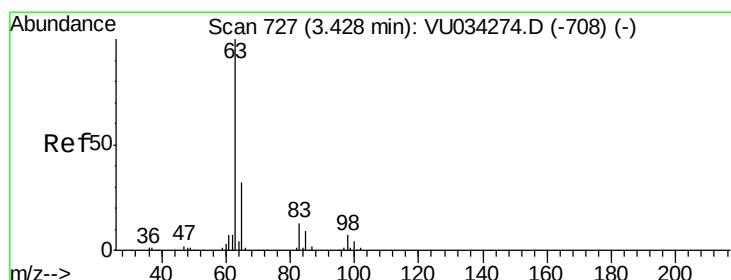
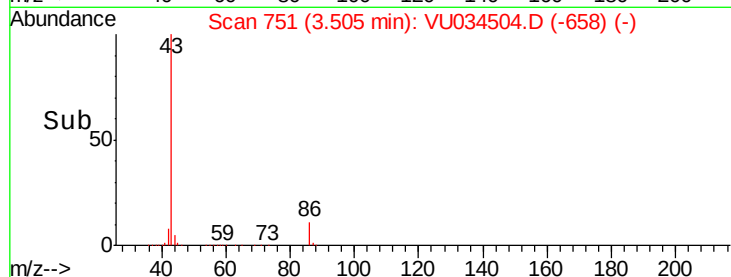
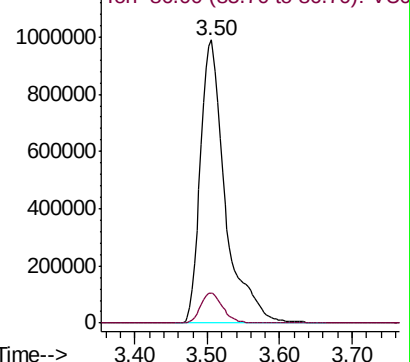
Ion Ratio Lower Upper

43 100

86 10.7 8.3 12.5



Abundance Ion 43.00 (42.70 to 43.70): VU034504.D (-658) (-)



#24

1,1-Dichloroethane

Concen: 52.646 ug/l

RT: 3.43 min Scan# 727

Delta R.T. 0.00 min

Lab File: VU034504.D

Acq: 12 Sep 2019 02:49

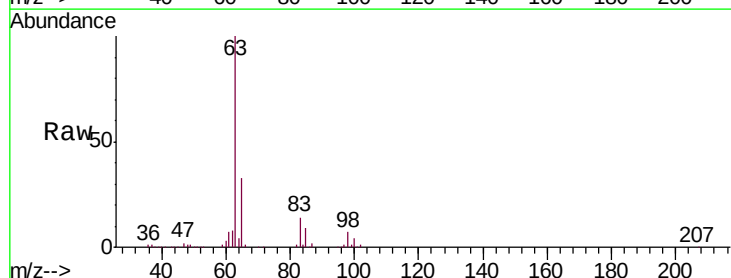
Tgt Ion: 63 Resp: 325870

Ion Ratio Lower Upper

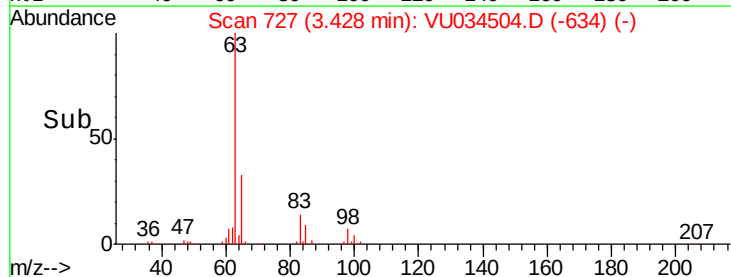
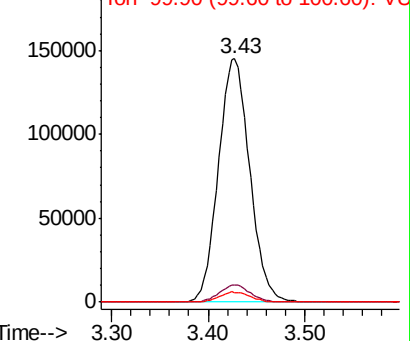
63 100

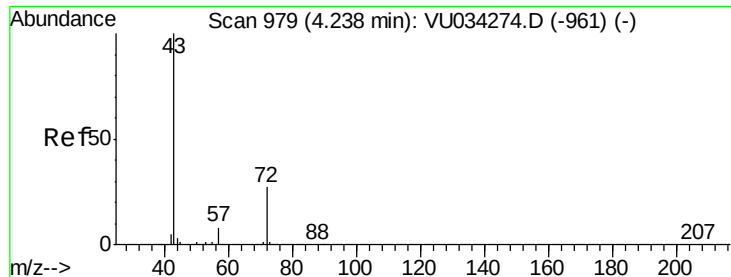
98 7.0 3.5 10.4

100 4.1 2.1 6.5



Abundance Ion 62.90 (62.60 to 63.60): VU034504.D (-634) (-)





#25

2-Butanone

Concen: 278.724 ug/l

RT: 4.24 min Scan# 979

Delta R.T. 0.00 min

Lab File: VU034504.D

Acq: 12 Sep 2019 02:49

Instrument :

MSVOA_U

ClientSampleId :

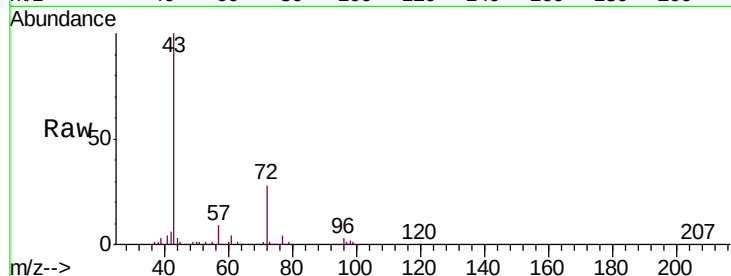
VSTDCCC050EC

Tgt Ion: 43 Resp: 744370

Ion Ratio Lower Upper

43 100

72 28.2 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) (-)

300000

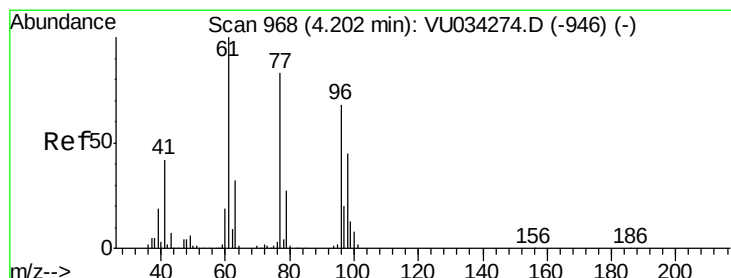
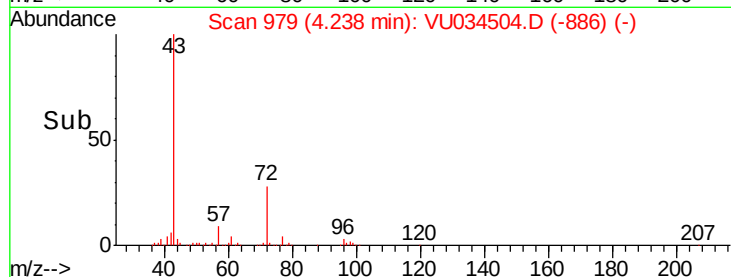
200000

100000

0

4.10 4.20 4.30

Time-->



#26

2,2-Dichloropropane

Concen: 41.149 ug/l

RT: 4.21 min Scan# 969

Delta R.T. 0.00 min

Lab File: VU034504.D

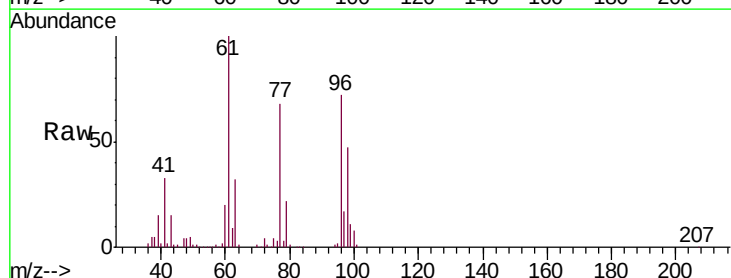
Acq: 12 Sep 2019 02:49

Tgt Ion: 77 Resp: 204855

Ion Ratio Lower Upper

77 100

97 24.7 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) (-)

80000

60000

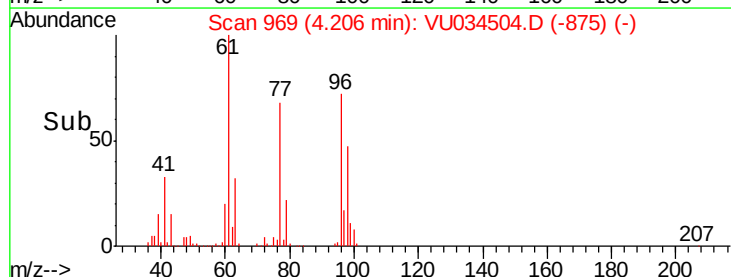
40000

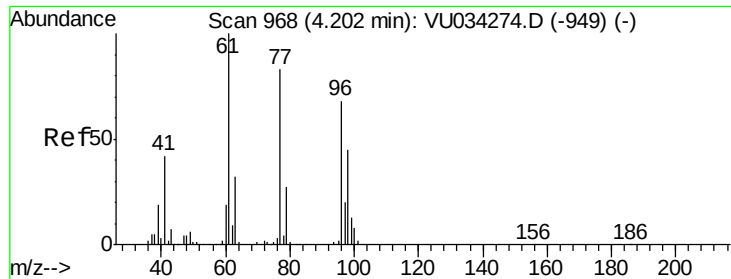
20000

0

4.10 4.20 4.30

Time-->





#27

cis-1,2-Dichloroethene

Concen: 54.445 ug/l

RT: 4.20 min Scan# 968

Delta R.T. 0.00 min

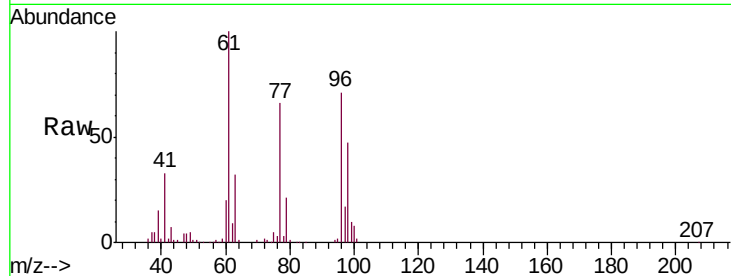
Lab File: VU034504.D

Acq: 12 Sep 2019 02:49

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 96 Resp: 193723

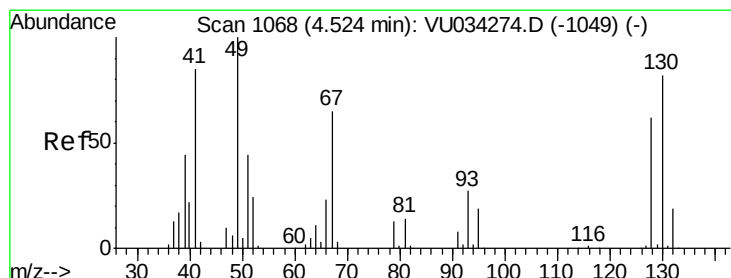
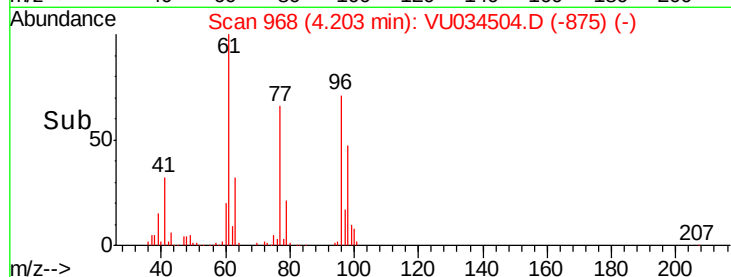
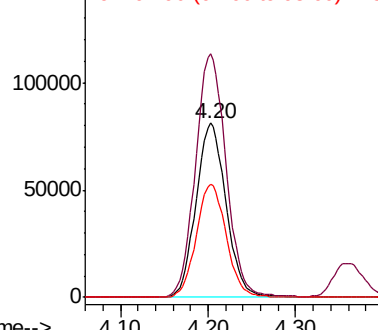
Ion	Ratio	Lower	Upper
96	100		
61	142.3	0.0	297.4
98	65.0	0.0	130.0



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: 55.528 ug/l

RT: 4.52 min Scan# 1068

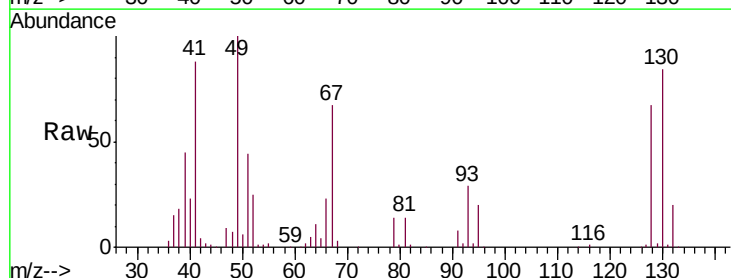
Delta R.T. 0.00 min

Lab File: VU034504.D

Acq: 12 Sep 2019 02:49

Tgt Ion: 49 Resp: 158094

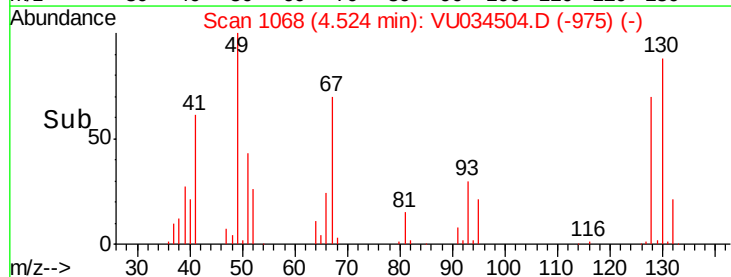
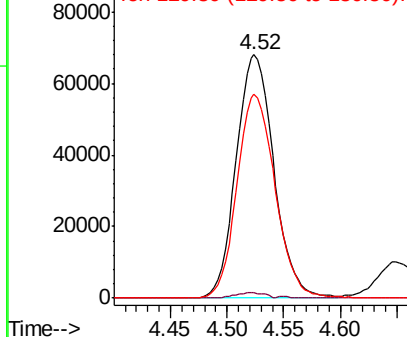
Ion	Ratio	Lower	Upper
49	100		
129	1.7	0.0	3.8
130	84.9	65.2	97.8

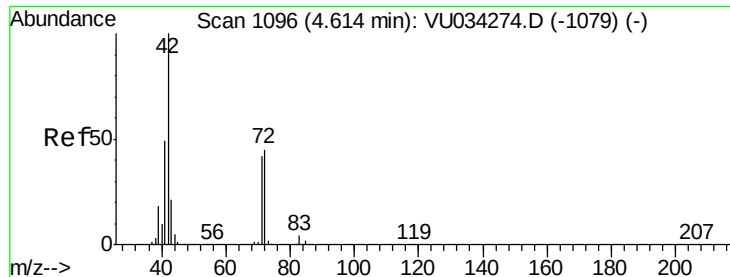


Abundance Ion 48.90 (48.60 to 49.60): VU0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V

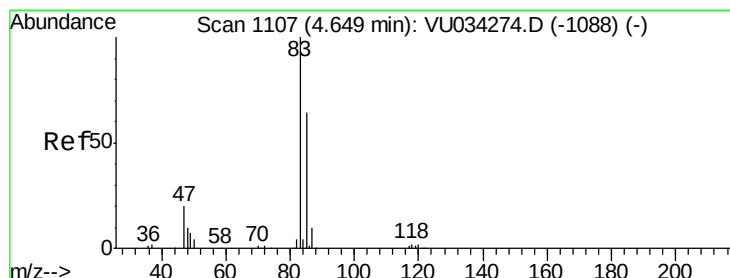
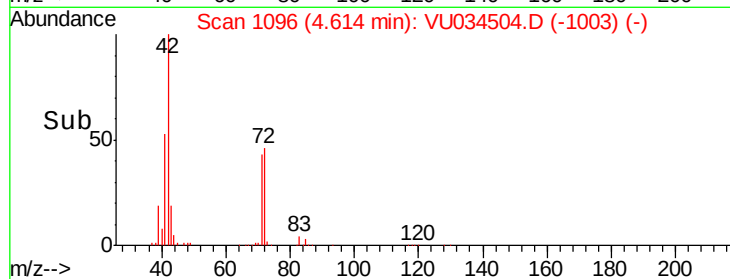
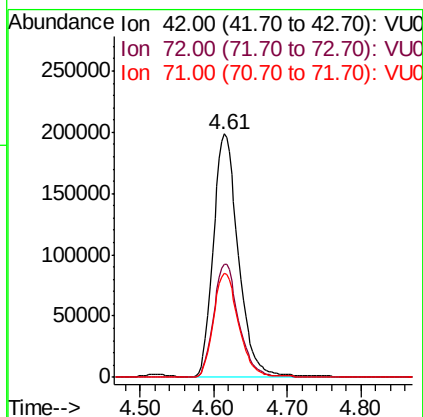
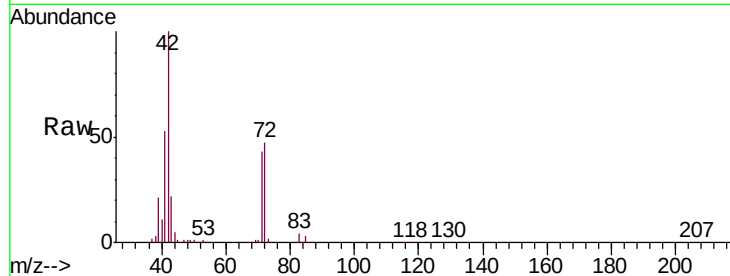




#29
Tetrahydrofuran
Concen: 287.934 ug/l
RT: 4.61 min Scan# 1096
Delta R.T. 0.00 min
Lab File: VU034504.D
Acq: 12 Sep 2019 02:49

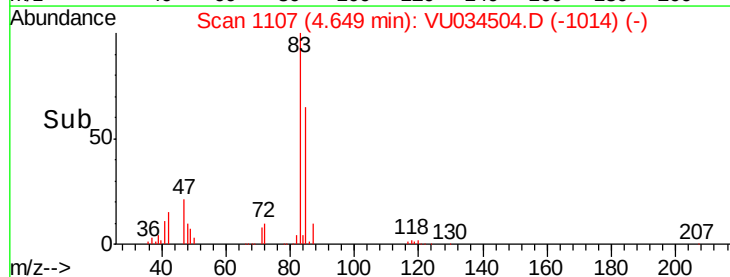
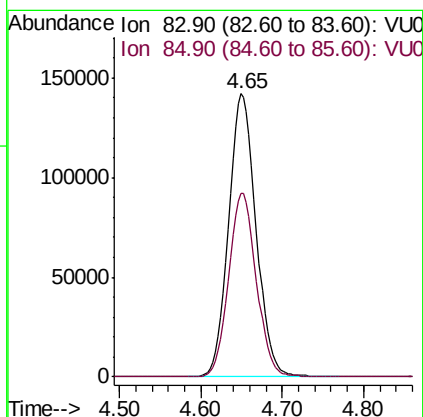
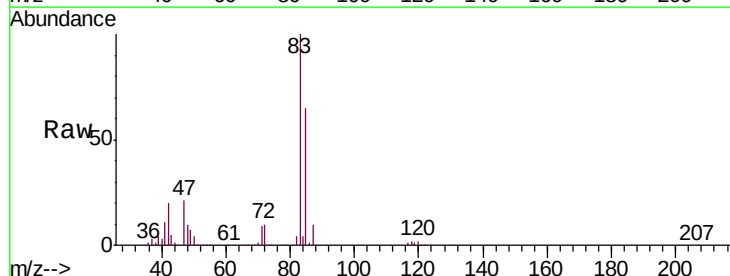
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

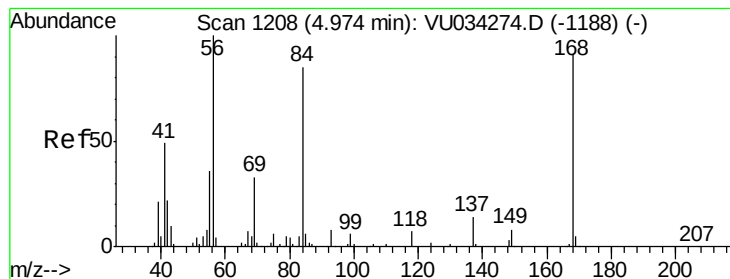
Tgt Ion: 42 Resp: 467921
Ion Ratio Lower Upper
42 100
72 46.7 36.6 54.8
71 43.0 34.3 51.5



#30
Chloroform
Concen: 53.337 ug/l
RT: 4.65 min Scan# 1107
Delta R.T. 0.00 min
Lab File: VU034504.D
Acq: 12 Sep 2019 02:49

Tgt Ion: 83 Resp: 335583
Ion Ratio Lower Upper
83 100
85 64.8 51.5 77.3





#31

Cyclohexane

Concen: 48.808 ug/l

RT: 4.97 min Scan# 1207

Delta R.T. -0.00 min

Lab File: VU034504.D

Acq: 12 Sep 2019 02:49

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

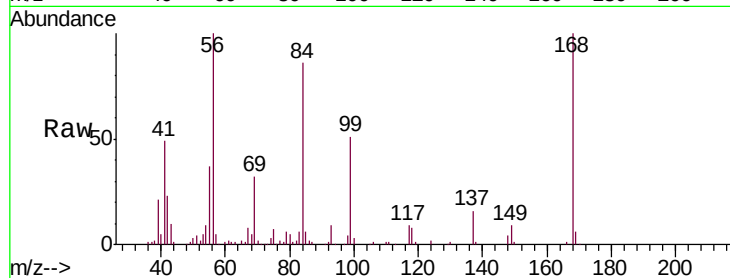
Tgt Ion: 56 Resp: 221022

Ion Ratio Lower Upper

56 100

69 31.8 26.7 40.1

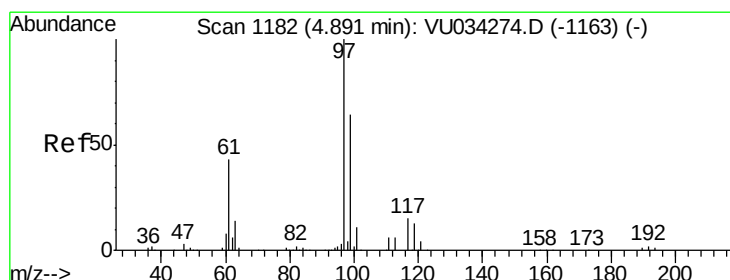
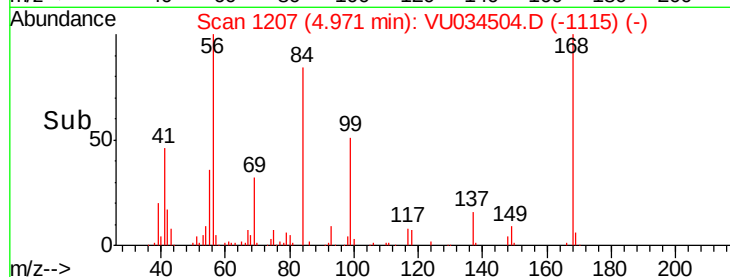
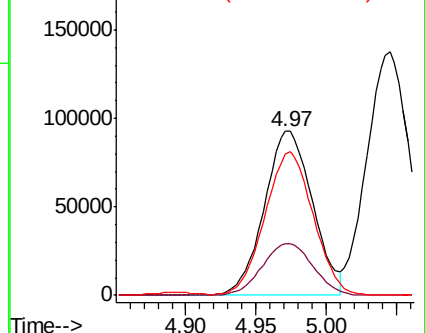
84 84.7 68.2 102.4



Abundance Ion 56.00 (55.70 to 56.70): VU034504.D (-1188) (-)

Ion 69.00 (68.70 to 69.70): VU034504.D (-1188) (-)

Ion 84.00 (83.70 to 84.70): VU034504.D (-1188) (-)



#32

1,1,1-Trichloroethane

Concen: 54.354 ug/l

RT: 4.89 min Scan# 1183

Delta R.T. 0.00 min

Lab File: VU034504.D

Acq: 12 Sep 2019 02:49

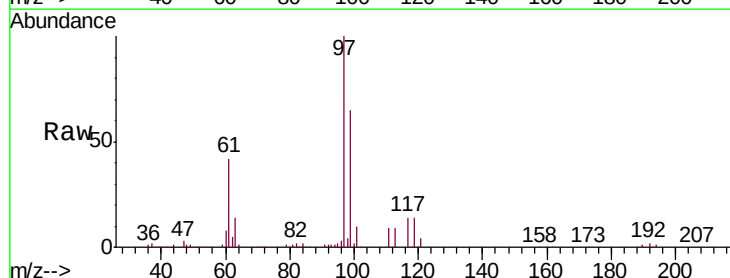
Tgt Ion: 97 Resp: 273421

Ion Ratio Lower Upper

97 100

99 63.9 50.9 76.3

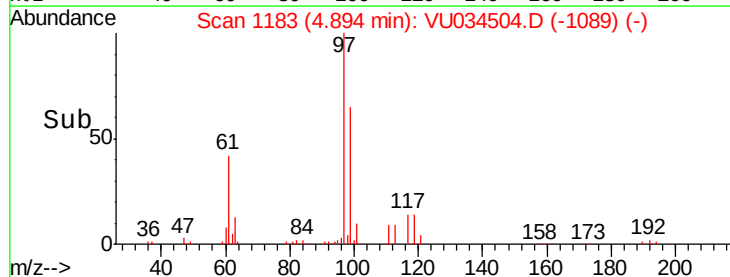
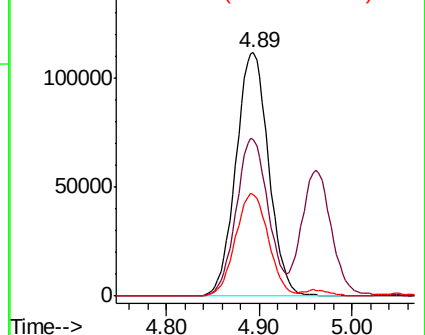
61 42.5 34.7 52.1

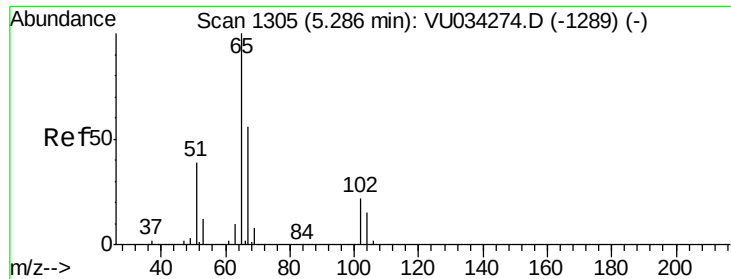


Abundance Ion 96.90 (96.60 to 97.60): VU034504.D (-1089) (-)

Ion 98.90 (98.60 to 99.60): VU034504.D (-1089) (-)

Ion 60.90 (60.60 to 61.60): VU034504.D (-1089) (-)

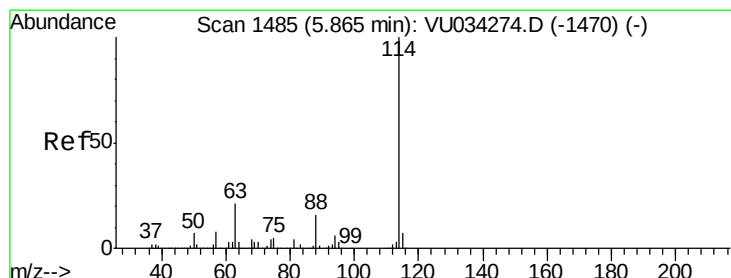
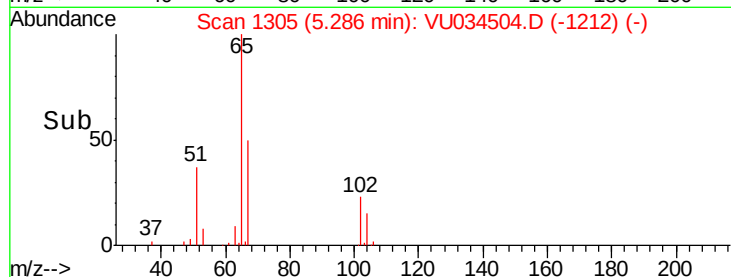
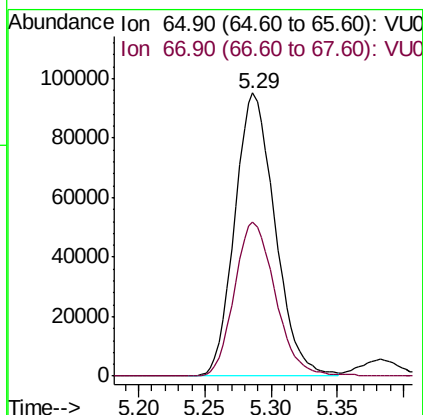
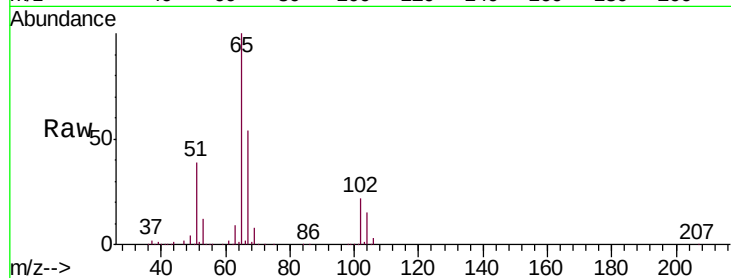




#33
 1,2-Dichloroethane-d4
 Concen: 52.013 ug/l
 RT: 5.29 min Scan# 1305
 Delta R.T. 0.00 min
 Lab File: VU034504.D
 Acq: 12 Sep 2019 02:49

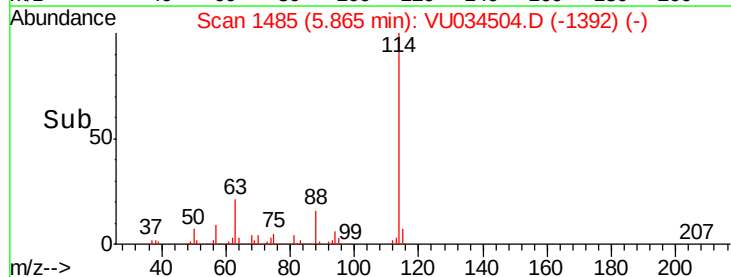
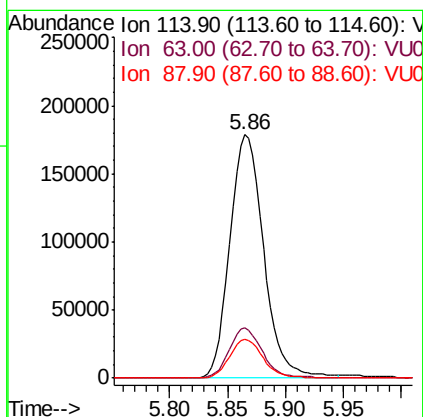
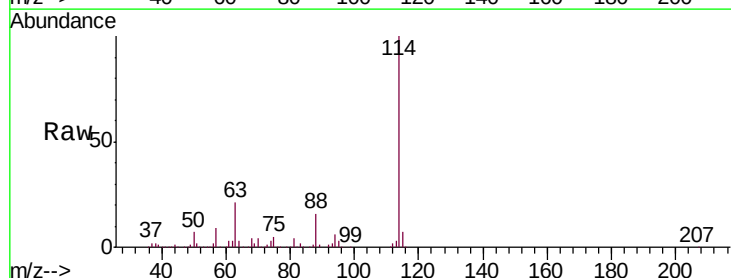
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

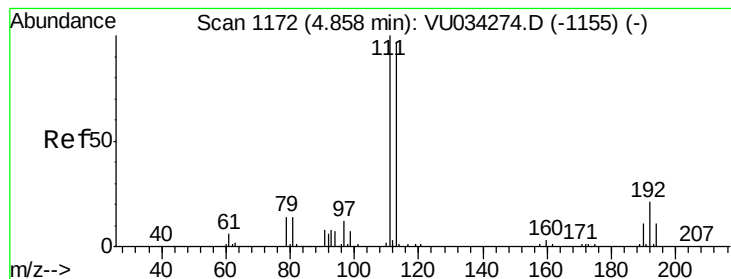
Tgt Ion: 65 Resp: 201088
 Ion Ratio Lower Upper
 65 100
 67 55.0 0.0 112.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.86 min Scan# 1485
 Delta R.T. 0.00 min
 Lab File: VU034504.D
 Acq: 12 Sep 2019 02:49

Tgt Ion: 114 Resp: 361865
 Ion Ratio Lower Upper
 114 100
 63 20.6 0.0 42.4
 88 15.9 0.0 32.4





#35

Dibromofluoromethane

Concen: 53.860 ug/l

RT: 4.86 min Scan# 1173

Delta R.T. 0.00 min

Lab File: VU034504.D

Acq: 12 Sep 2019 02:49

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

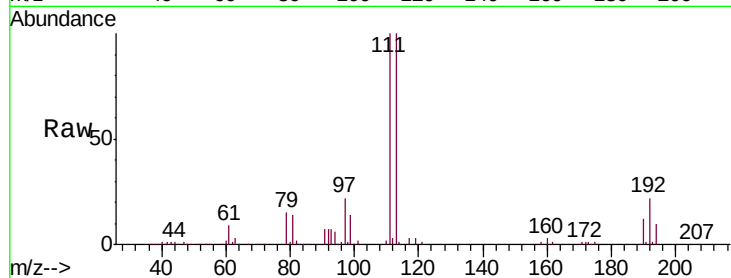
Tgt Ion: 113 Resp: 181356

Ion Ratio Lower Upper

113 100

111 101.6 81.5 122.3

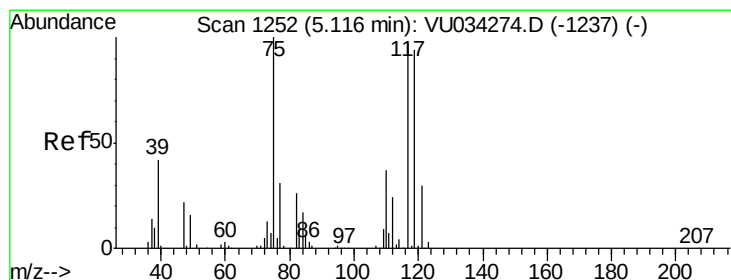
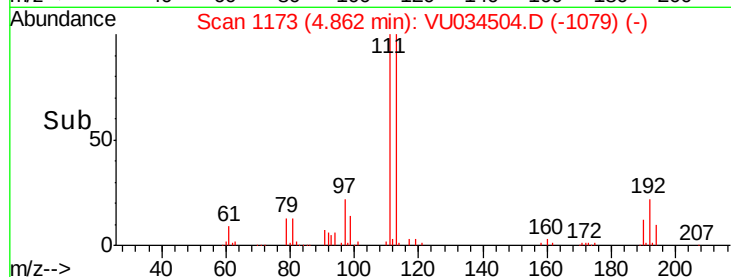
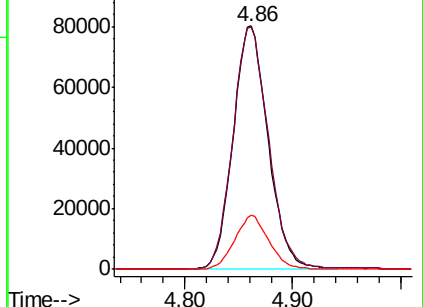
192 21.6 17.8 26.8



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 53.398 ug/l

RT: 5.12 min Scan# 1252

Delta R.T. 0.00 min

Lab File: VU034504.D

Acq: 12 Sep 2019 02:49

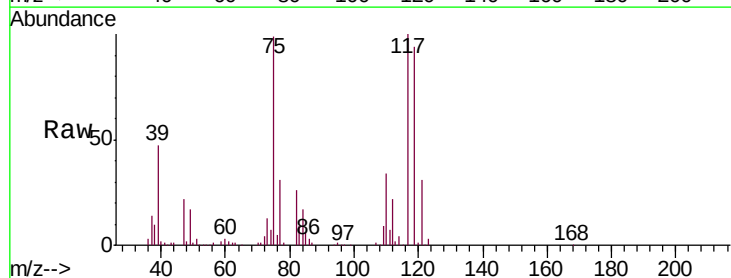
Tgt Ion: 75 Resp: 209559

Ion Ratio Lower Upper

75 100

110 36.4 18.3 54.9

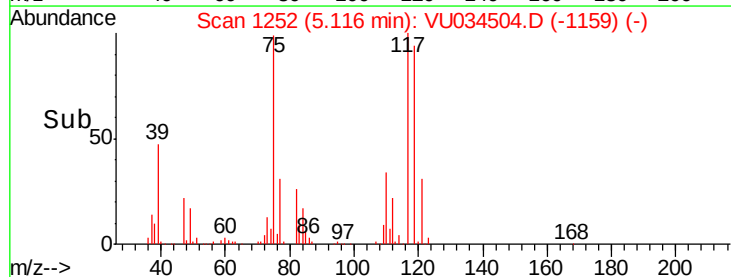
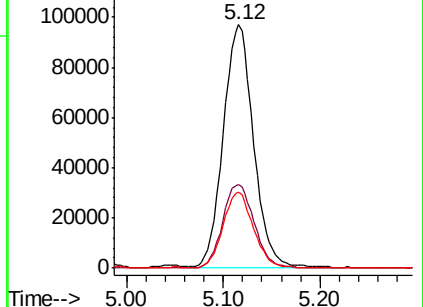
77 31.2 24.9 37.3

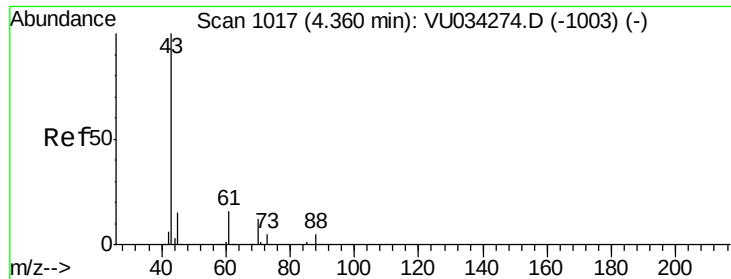


Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VU0

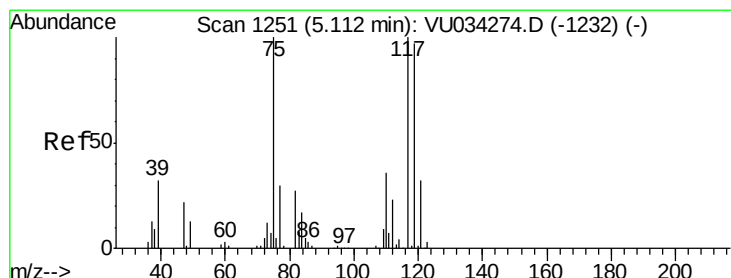
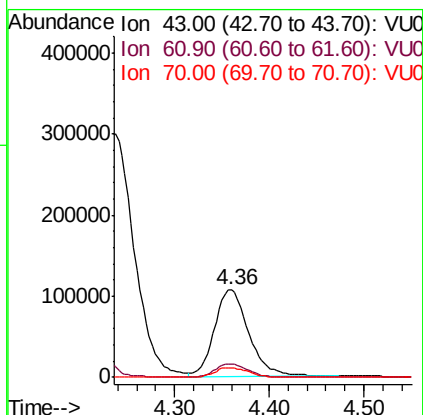
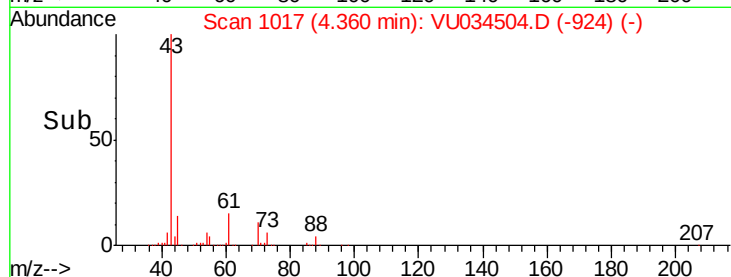
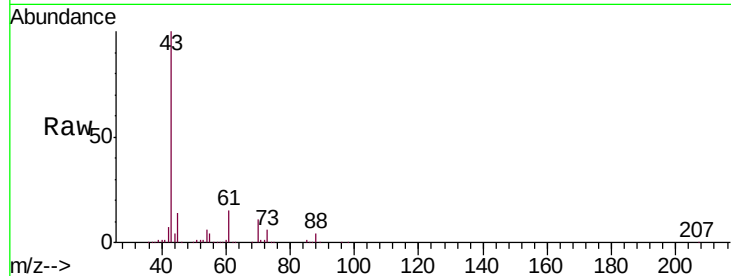




#37
Ethyl Acetate
 Concen: 57.686 ug/l
 RT: 4.36 min Scan# 1017
 Delta R.T. 0.00 min
 Lab File: VU034504.D
 Acq: 12 Sep 2019 02:49

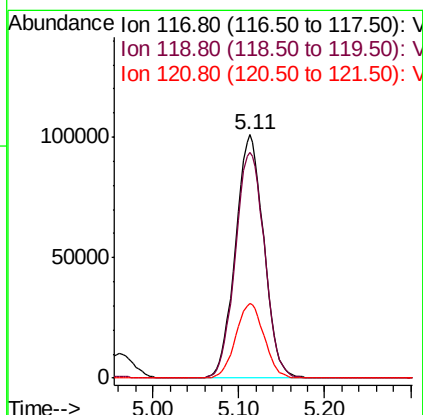
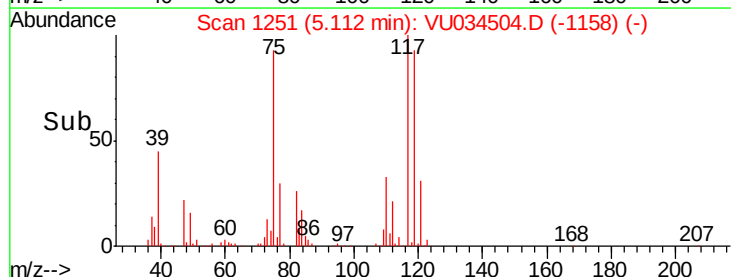
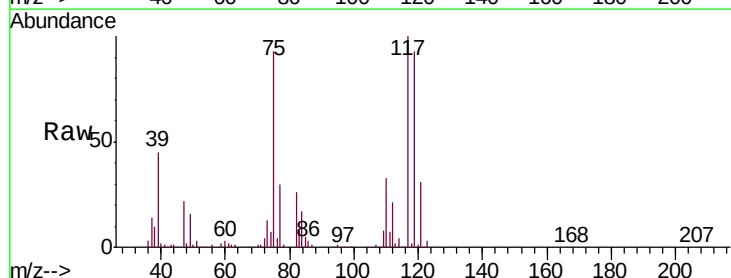
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

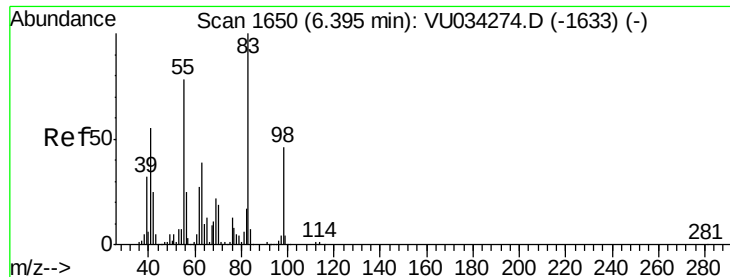
Tgt Ion: 43 Resp: 267661
 Ion Ratio Lower Upper
 43 100
 61 15.0 12.3 18.5
 70 11.3 9.1 13.7



#38
Carbon Tetrachloride
 Concen: 54.919 ug/l
 RT: 5.11 min Scan# 1251
 Delta R.T. 0.00 min
 Lab File: VU034504.D
 Acq: 12 Sep 2019 02:49

Tgt Ion: 117 Resp: 230123
 Ion Ratio Lower Upper
 117 100
 119 92.9 77.8 116.6
 121 30.8 25.2 37.8





#39

Methylcyclohexane

Concen: 51.399 ug/l

RT: 6.40 min Scan# 1650

Delta R.T. 0.00 min

Lab File: VU034504.D

Acq: 12 Sep 2019 02:49

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

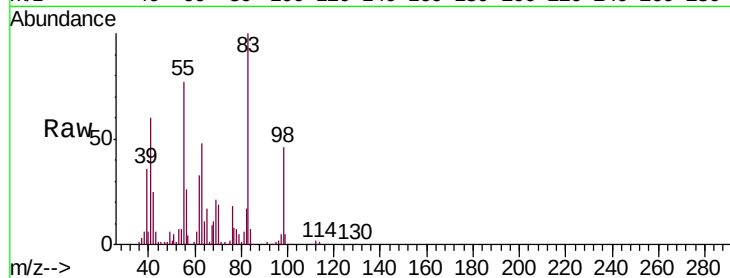
Tgt Ion: 83 Resp: 215632

Ion Ratio Lower Upper

83 100

55 77.1 62.1 93.1

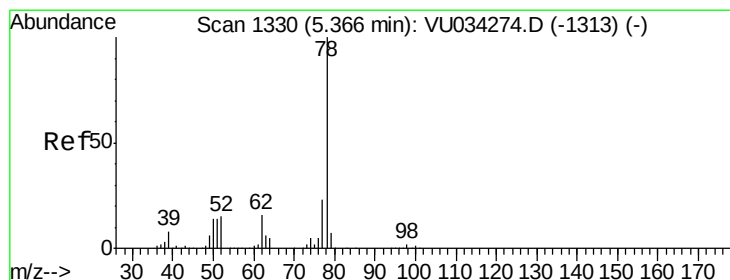
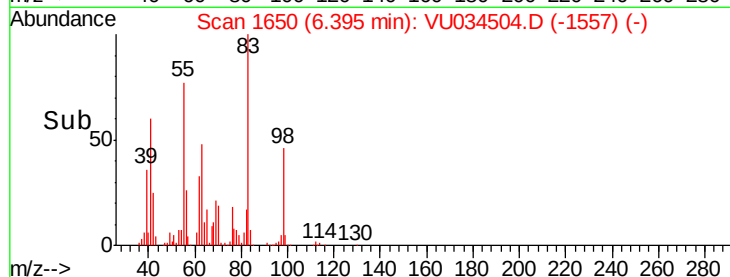
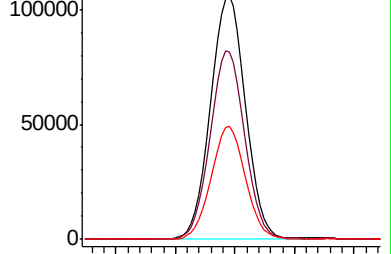
98 46.2 37.0 55.6



Abundance Ion 83.00 (82.70 to 83.70): VU034274.D (-1633) (-)

Ion 55.00 (54.70 to 55.70): VU034274.D (-1633) (-)

Ion 98.00 (97.70 to 98.70): VU034274.D (-1633) (-)



#40

Benzene

Concen: 54.983 ug/l

RT: 5.37 min Scan# 1330

Delta R.T. 0.00 min

Lab File: VU034504.D

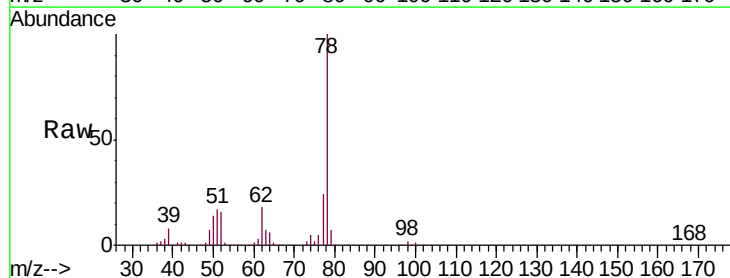
Acq: 12 Sep 2019 02:49

Tgt Ion: 78 Resp: 696266

Ion Ratio Lower Upper

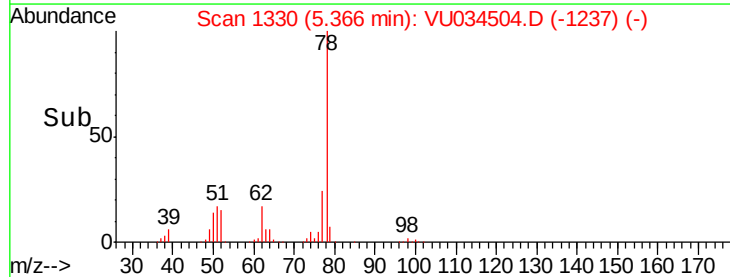
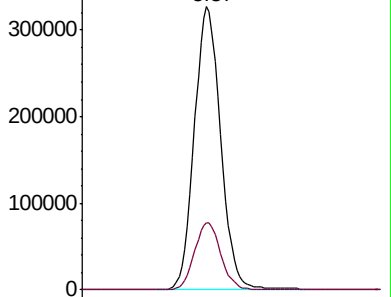
78 100

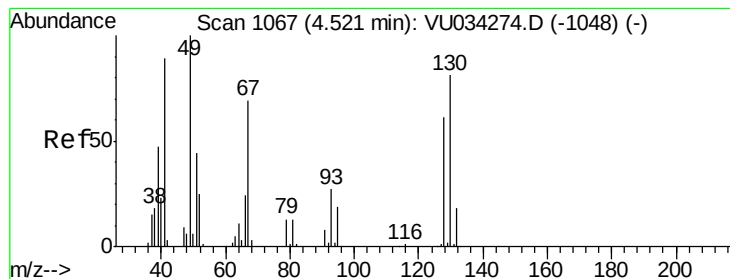
77 23.9 18.7 28.1



Abundance Ion 78.00 (77.70 to 78.70): VU034274.D (-1313) (-)

Ion 77.00 (76.70 to 77.70): VU034274.D (-1313) (-)





#41

Methacrylonitrile

Concen: 60.431 ug/l

RT: 4.52 min Scan# 1066

Delta R.T. -0.00 min

Lab File: VU034504.D

Acq: 12 Sep 2019 02:49

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 41 Resp: 149357

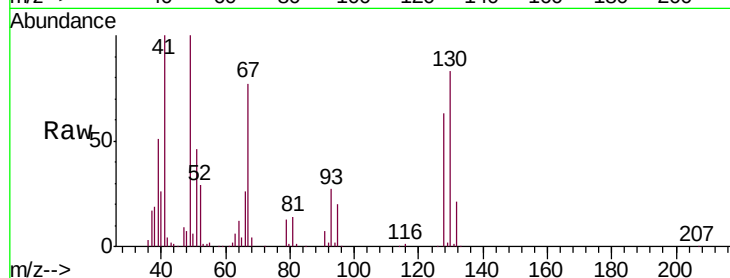
Ion Ratio Lower Upper

41 100

39 51.2 41.0 61.4

67 79.2 62.4 93.6

52 28.6 23.6 35.4

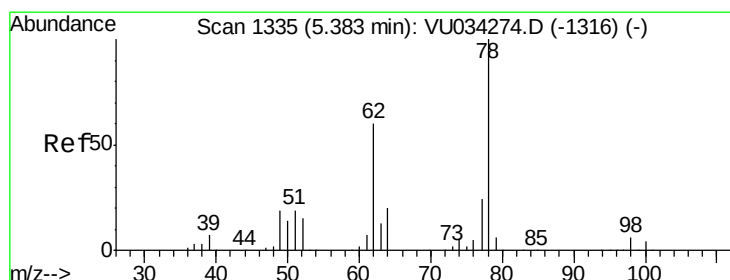
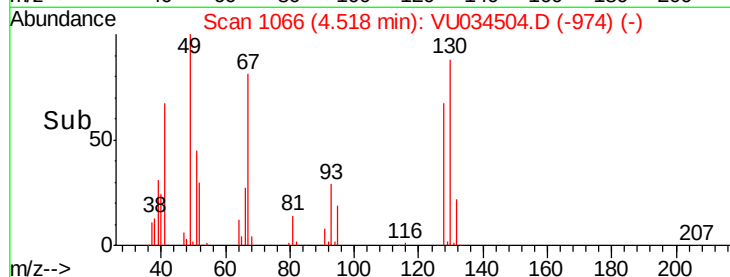
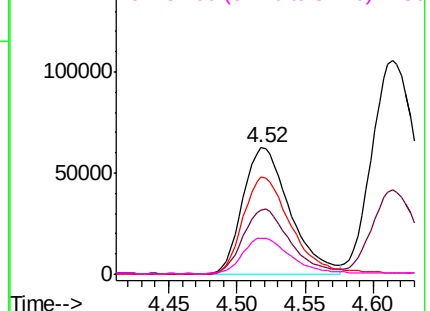


Abundance Ion 41.00 (40.70 to 41.70): VU0

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: 55.390 ug/l

RT: 5.38 min Scan# 1335

Delta R.T. 0.00 min

Lab File: VU034504.D

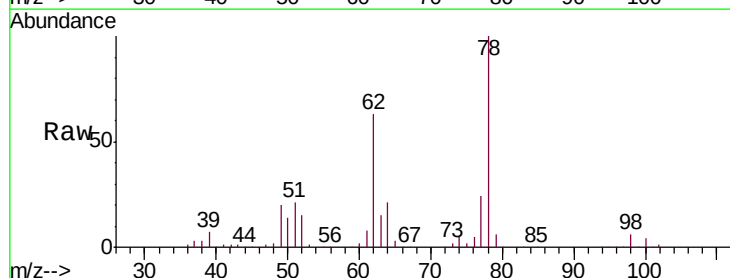
Acq: 12 Sep 2019 02:49

Tgt Ion: 62 Resp: 243530

Ion Ratio Lower Upper

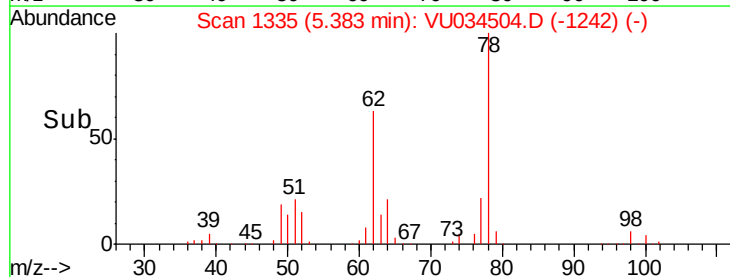
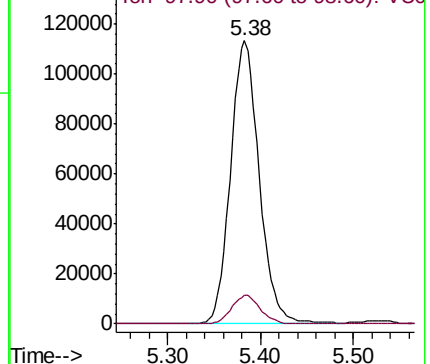
62 100

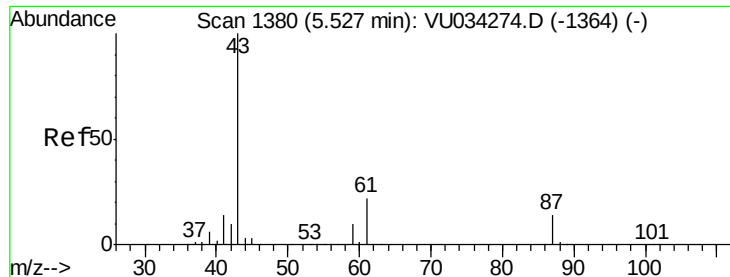
98 10.1 0.0 20.0



Abundance Ion 61.90 (61.60 to 62.60): VU0

Ion 97.90 (97.60 to 98.60): VU0





#43

Isopropyl Acetate

Concen: 57.372 ug/l

RT: 5.53 min Scan# 1380

Delta R.T. 0.00 min

Lab File: VU034504.D

Acq: 12 Sep 2019 02:49

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

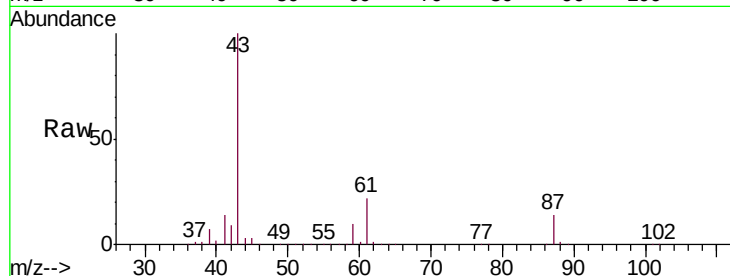
Tgt Ion: 43 Resp: 415279

Ion Ratio Lower Upper

43 100

61 21.9 17.1 25.7

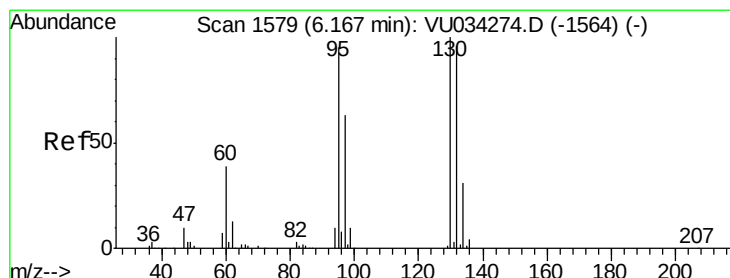
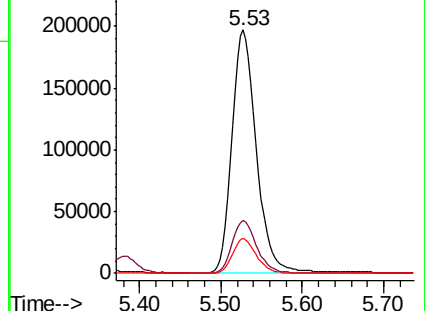
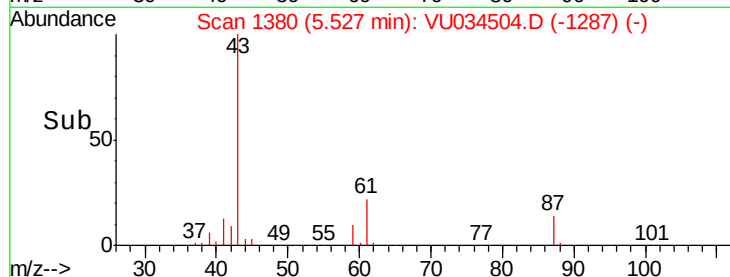
87 14.0 11.1 16.7



Abundance Ion 43.00 (42.70 to 43.70): VU034504.D (-1287) (-)

Ion 61.00 (60.70 to 61.70): VU034504.D (-1287) (-)

Ion 87.00 (86.70 to 87.70): VU034504.D (-1287) (-)



#44

Trichloroethene

Concen: 54.999 ug/l

RT: 6.16 min Scan# 1578

Delta R.T. -0.00 min

Lab File: VU034504.D

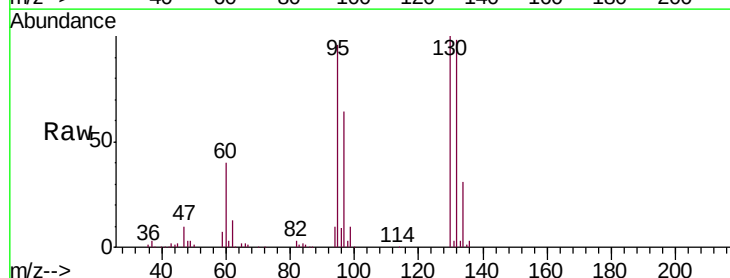
Acq: 12 Sep 2019 02:49

Tgt Ion: 130 Resp: 192728

Ion Ratio Lower Upper

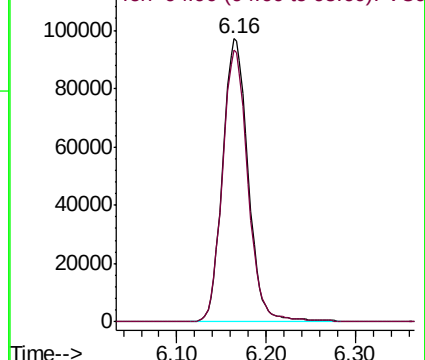
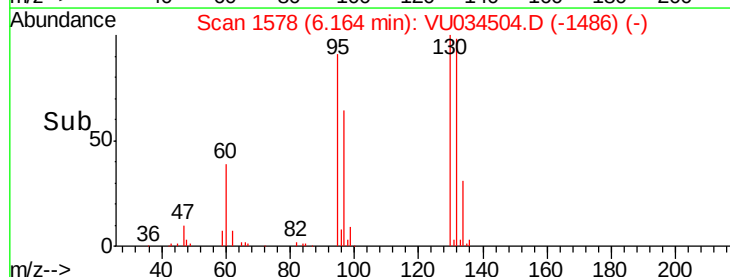
130 100

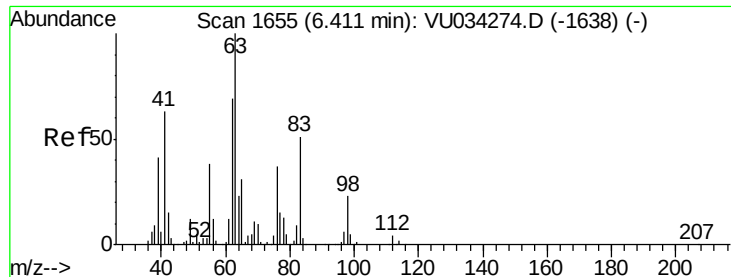
95 96.0 0.0 189.2



Abundance Ion 129.80 (129.50 to 130.50): VU034504.D (-1486) (-)

Ion 94.90 (94.60 to 95.60): VU034504.D (-1486) (-)

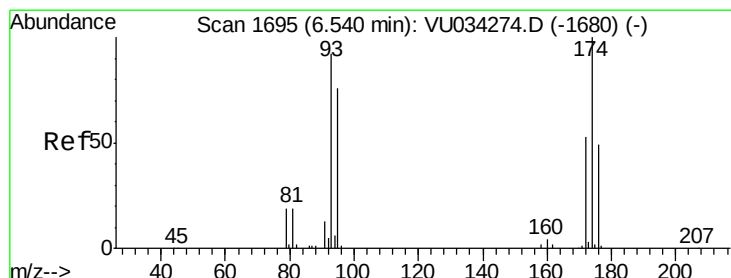
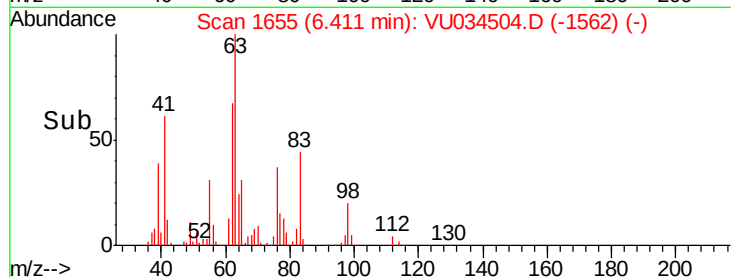
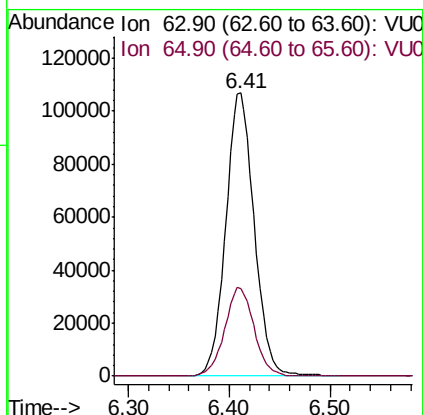
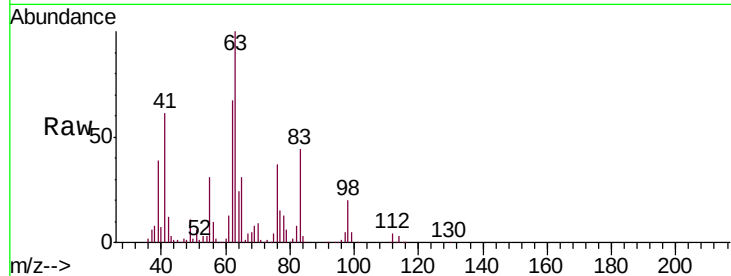




#45
 1,2-Dichloropropane
 Concen: 56.756 ug/l
 RT: 6.41 min Scan# 1655
 Delta R.T. 0.00 min
 Lab File: VU034504.D
 Acq: 12 Sep 2019 02:49

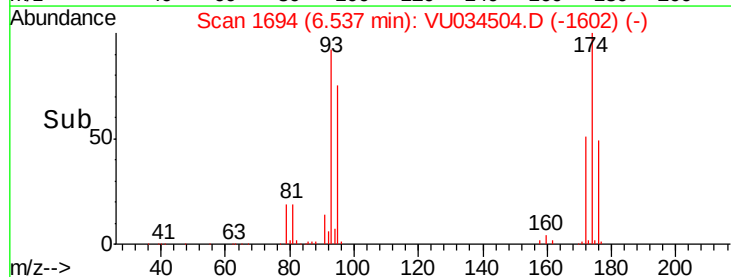
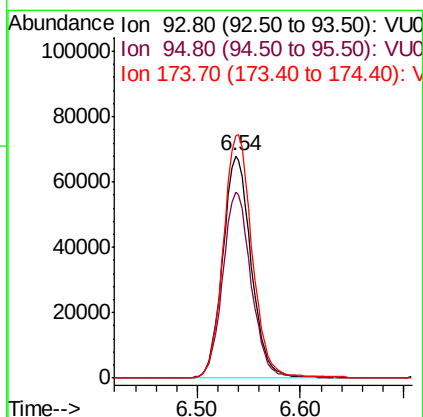
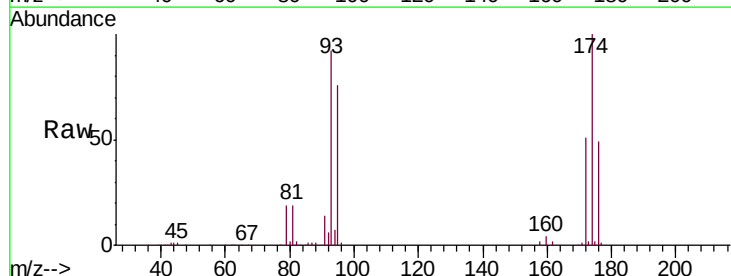
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

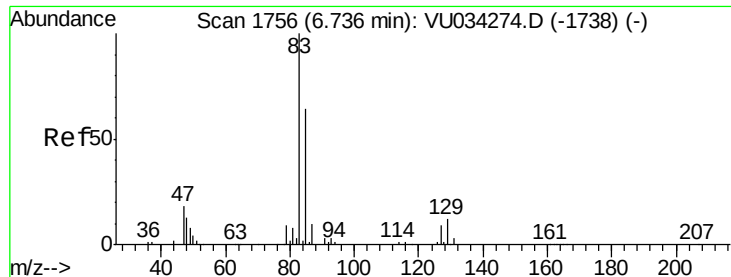
Tgt Ion: 63 Resp: 210112
 Ion Ratio Lower Upper
 63 100
 65 31.0 24.6 37.0



#46
 Dibromomethane
 Concen: 56.144 ug/l
 RT: 6.54 min Scan# 1694
 Delta R.T. -0.00 min
 Lab File: VU034504.D
 Acq: 12 Sep 2019 02:49

Tgt Ion: 93 Resp: 130466
 Ion Ratio Lower Upper
 93 100
 95 84.1 66.5 99.7
 174 111.2 87.8 131.6

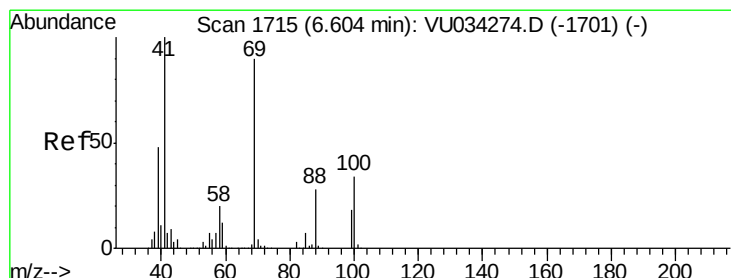
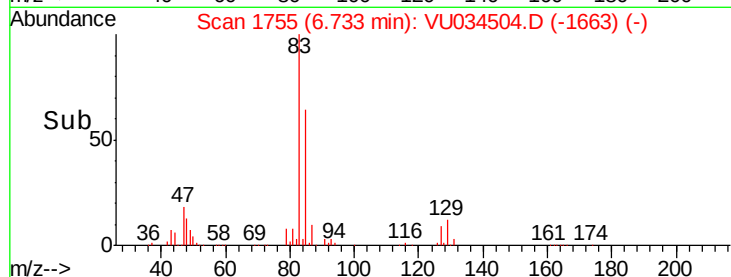
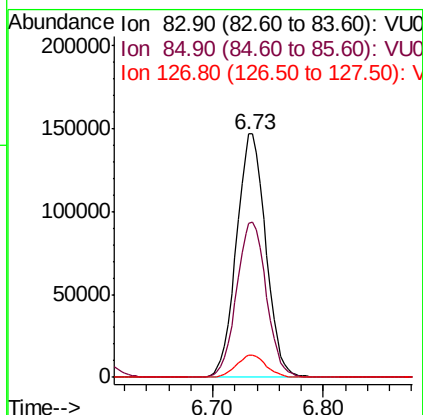
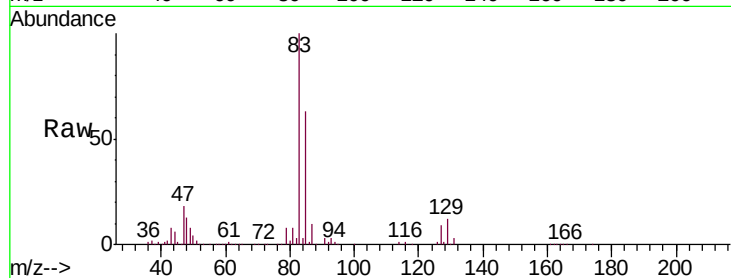




#47
 Bromodichloromethane
 Concen: 56.529 ug/l
 RT: 6.73 min Scan# 1755
 Delta R.T. -0.00 min
 Lab File: VU034504.D
 Acq: 12 Sep 2019 02:49

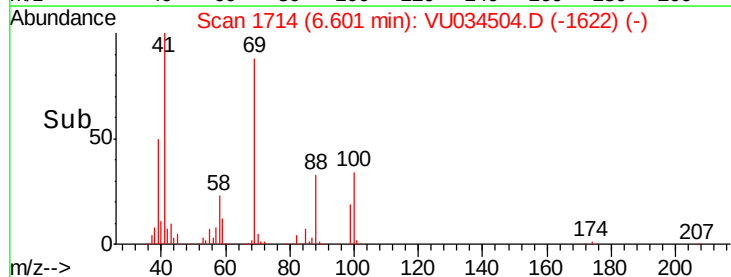
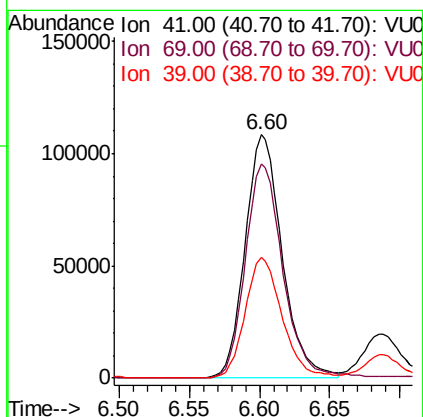
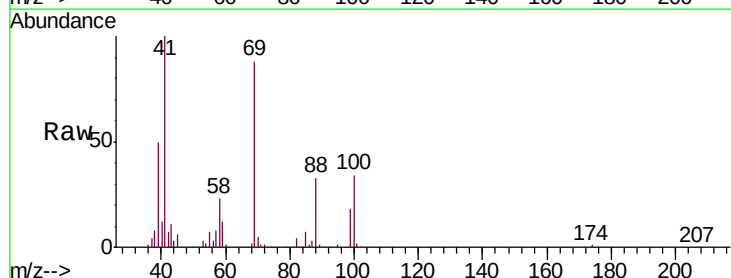
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

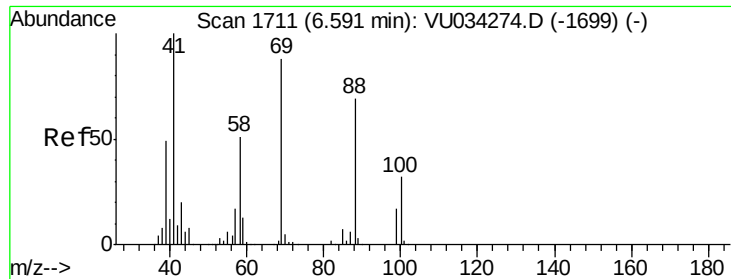
Tgt Ion: 83 Resp: 270394
 Ion Ratio Lower Upper
 83 100
 85 63.5 51.1 76.7
 127 9.3 7.2 10.8



#48
 Methyl methacrylate
 Concen: 57.733 ug/l
 RT: 6.60 min Scan# 1714
 Delta R.T. -0.00 min
 Lab File: VU034504.D
 Acq: 12 Sep 2019 02:49

Tgt Ion: 41 Resp: 198481
 Ion Ratio Lower Upper
 41 100
 69 90.4 72.8 109.2
 39 49.4 38.6 58.0

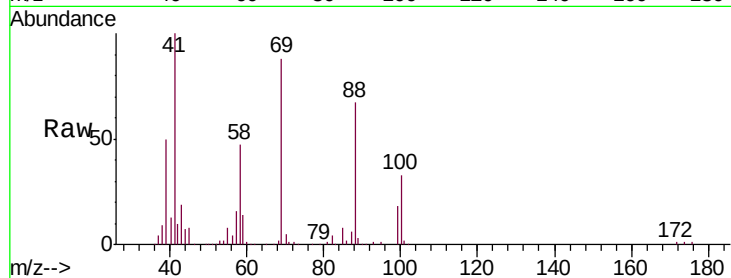




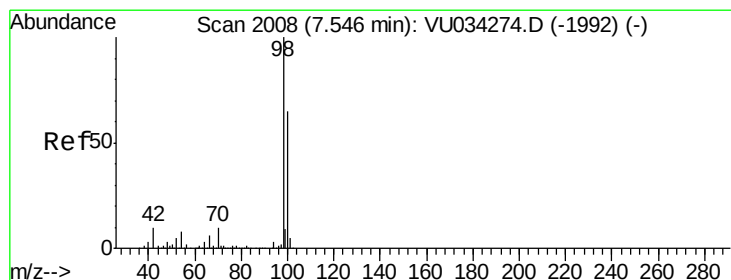
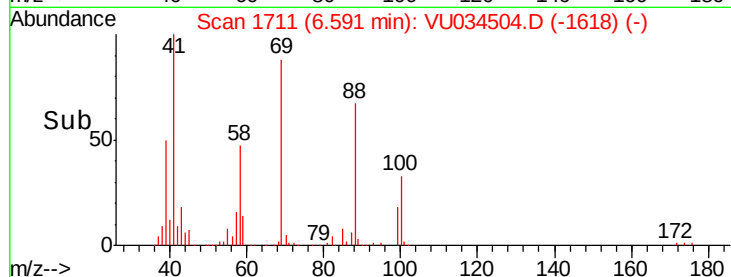
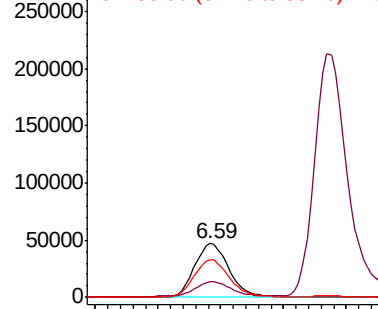
#49
1,4-Dioxane
Concen: 1187.933 ug/l
RT: 6.59 min Scan# 1711
Delta R.T. 0.00 min
Lab File: VU034504.D
Acq: 12 Sep 2019 02:49

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 88 Resp: 89180
Ion Ratio Lower Upper
88 100
43 29.1 23.8 35.6
58 72.2 58.4 87.6

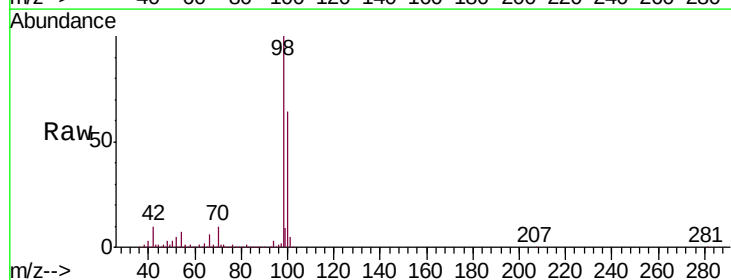


Abundance Ion 88.00 (87.70 to 88.70): VU0
Ion 43.00 (42.70 to 43.70): VU0
Ion 58.00 (57.70 to 58.70): VU0

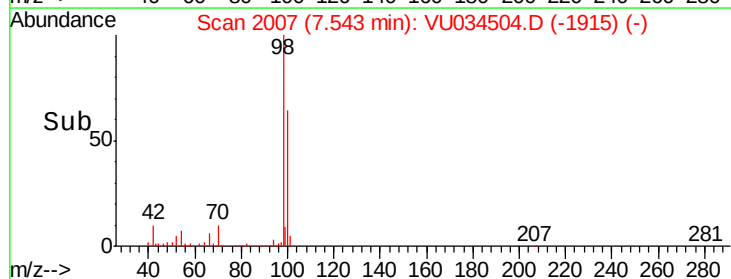
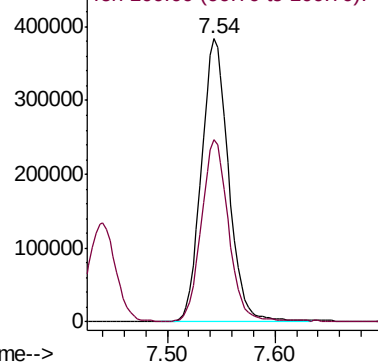


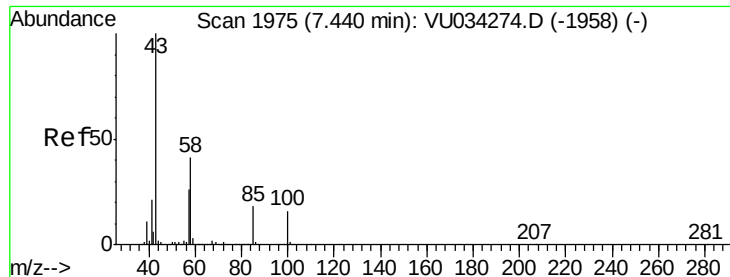
#50
Toluene-d8
Concen: 53.402 ug/l
RT: 7.54 min Scan# 2007
Delta R.T. -0.00 min
Lab File: VU034504.D
Acq: 12 Sep 2019 02:49

Tgt Ion: 98 Resp: 675565
Ion Ratio Lower Upper
98 100
100 63.5 51.7 77.5



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





#51

4-Methyl-2-Pentanone

Concen: 291.665 ug/l

RT: 7.44 min Scan# 1974

Delta R.T. -0.00 min

Lab File: VU034504.D

Acq: 12 Sep 2019 02:49

Instrument :

MSVOA_U

ClientSampleId :

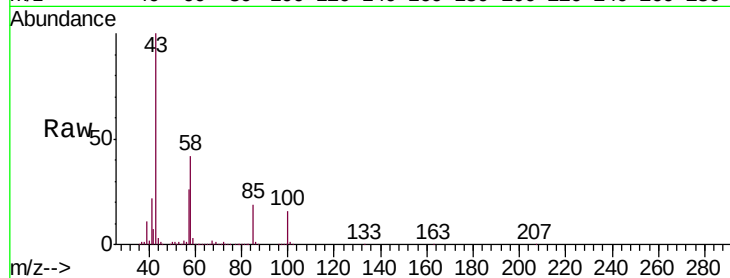
VSTDCCC050EC

Tgt Ion: 43 Resp: 1461347

Ion Ratio Lower Upper

43 100

58 41.6 33.0 49.4



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

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

7.44

800000

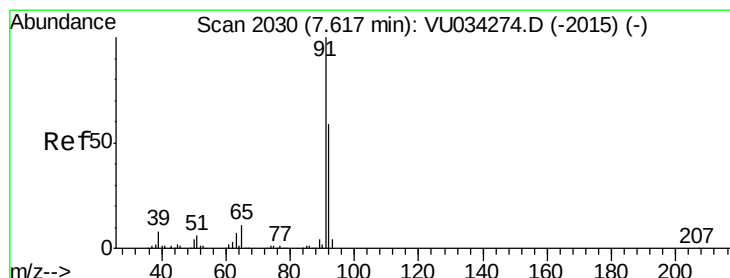
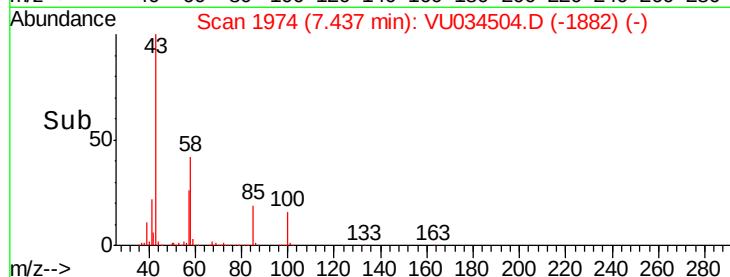
600000

400000

200000

0

Time-->



#52

Toluene

Concen: 55.944 ug/l

RT: 7.61 min Scan# 2029

Delta R.T. -0.00 min

Lab File: VU034504.D

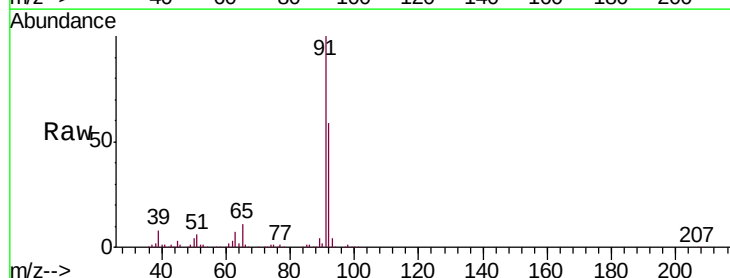
Acq: 12 Sep 2019 02:49

Tgt Ion: 92 Resp: 444408

Ion Ratio Lower Upper

92 100

91 173.3 136.6 205.0



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

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

7.61

500000

400000

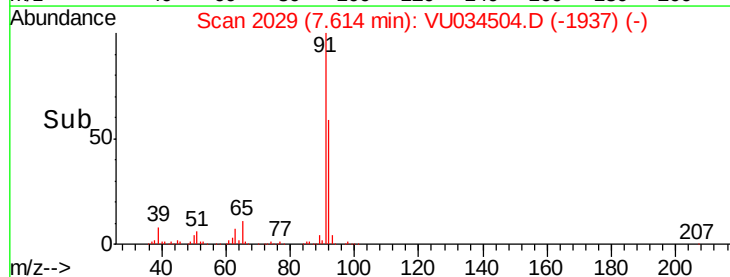
300000

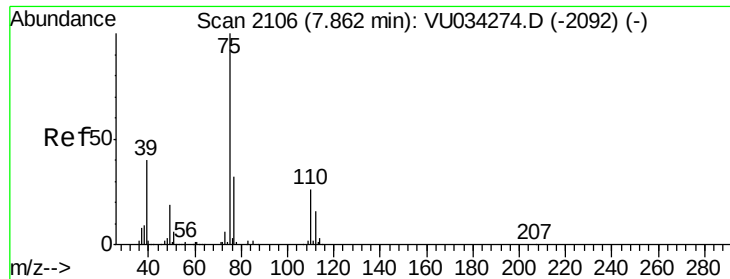
200000

100000

0

Time-->





#53

t-1,3-Dichloropropene

Concen: 54.818 ug/l

RT: 7.86 min Scan# 2105

Delta R.T. -0.00 min

Lab File: VU034504.D

Acq: 12 Sep 2019 02:49

Instrument :

MSVOA_U

ClientSampleId :

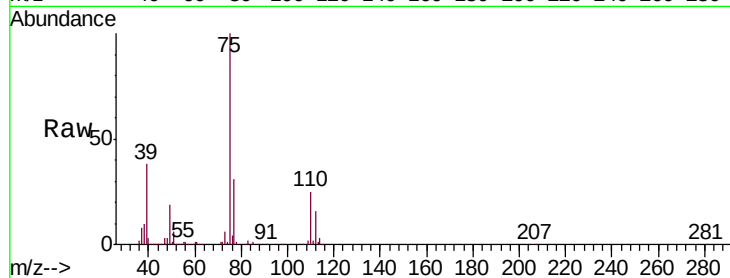
VSTDCCC050EC

Tgt Ion: 75 Resp: 271812

Ion Ratio Lower Upper

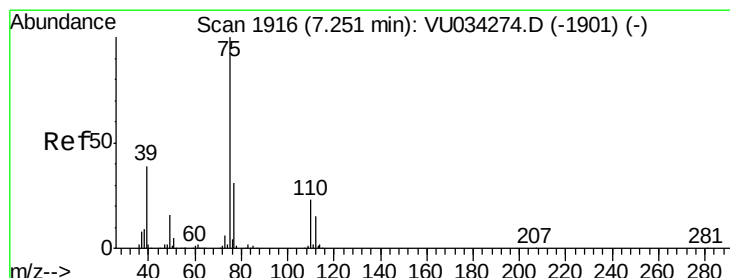
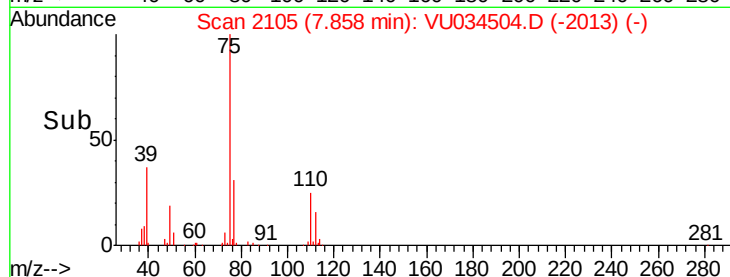
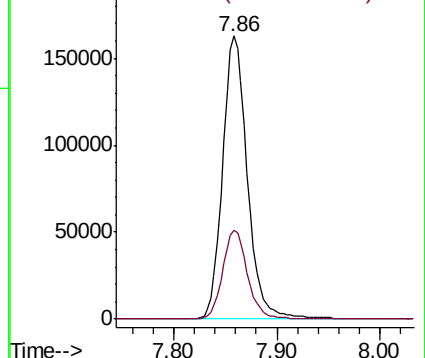
75 100

77 31.4 25.7 38.5



Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 76.90 (76.60 to 77.60): VU0



#54

cis-1,3-Dichloropropene

Concen: 55.216 ug/l

RT: 7.25 min Scan# 1915

Delta R.T. -0.00 min

Lab File: VU034504.D

Acq: 12 Sep 2019 02:49

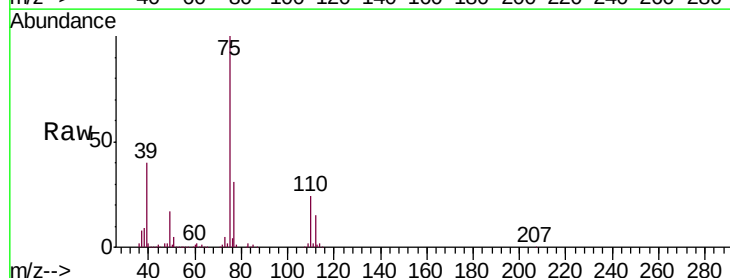
Tgt Ion: 75 Resp: 300487

Ion Ratio Lower Upper

75 100

77 31.4 25.1 37.7

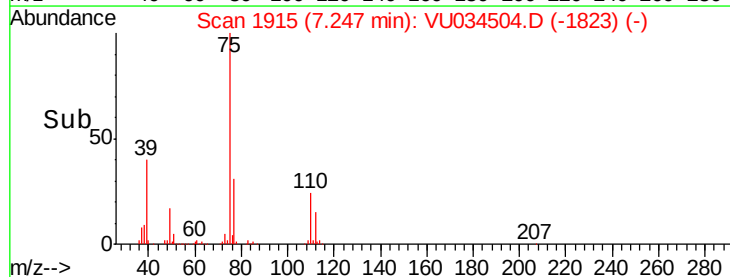
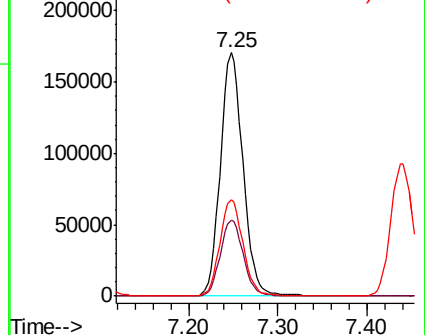
39 39.6 31.2 46.8

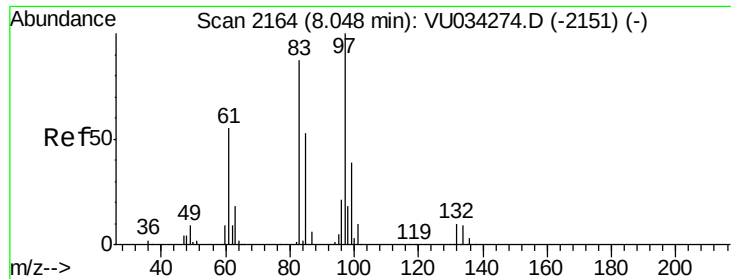


Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 76.90 (76.60 to 77.60): VU0

Ion 39.00 (38.70 to 39.70): VU0

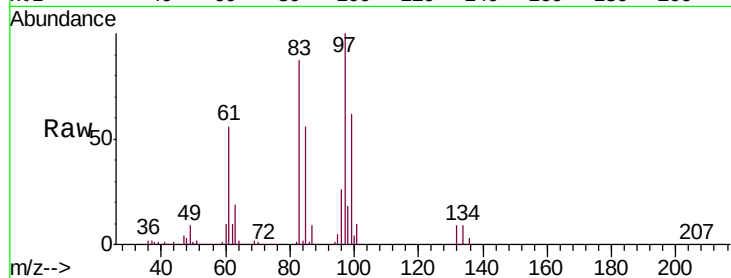




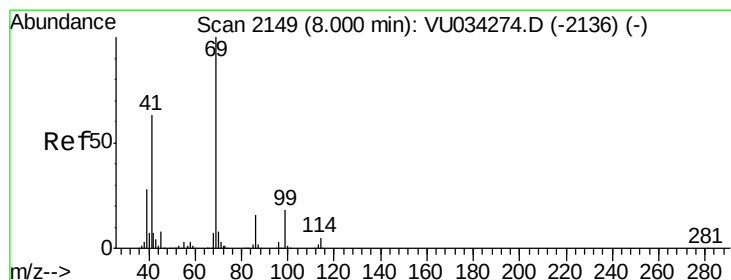
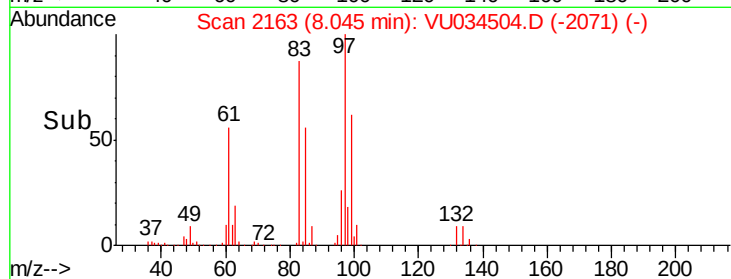
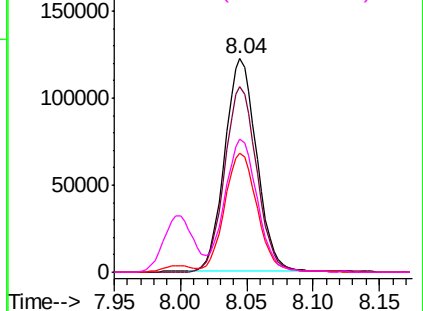
#55
 1,1,2-Trichloroethane
 Concen: 56.851 ug/l
 RT: 8.04 min Scan# 2163
 Delta R.T. -0.00 min
 Lab File: VU034504.D
 Acq: 12 Sep 2019 02:49

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tgt Ion:	97	Resp:	205065
Ion	Ratio	Lower	Upper
97	100		
83	86.9	69.0	103.6
85	55.9	44.2	66.2
99	62.0	49.4	74.0

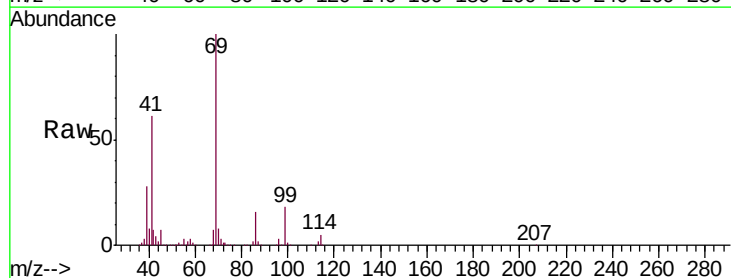


Abundance Ion 96.90 (96.60 to 97.60): VU0
 Ion 82.90 (82.60 to 83.60): VU0
 Ion 84.90 (84.60 to 85.60): VU0
 Ion 98.90 (98.60 to 99.60): VU0

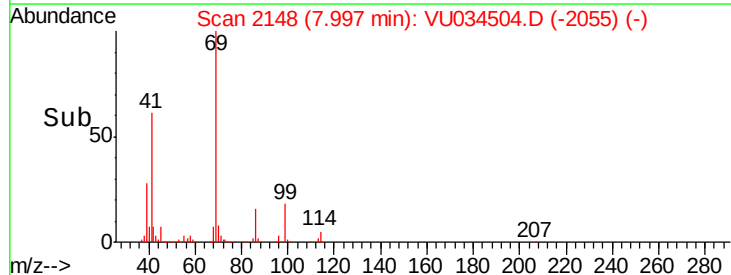
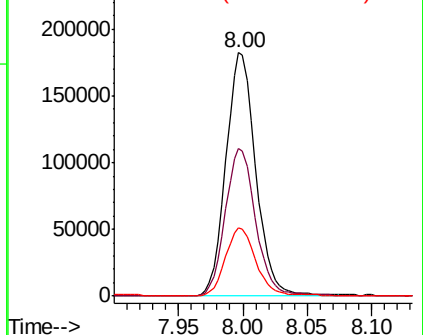


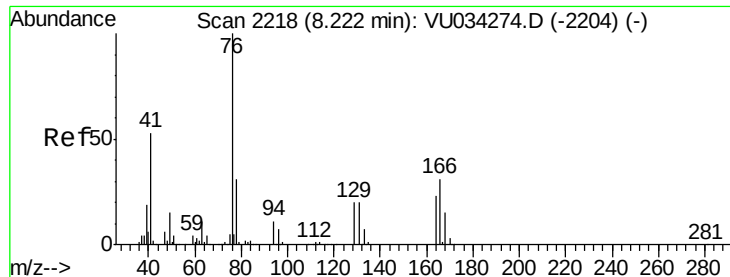
#56
 Ethyl methacrylate
 Concen: 53.366 ug/l
 RT: 8.00 min Scan# 2148
 Delta R.T. -0.00 min
 Lab File: VU034504.D
 Acq: 12 Sep 2019 02:49

Tgt Ion:	69	Resp:	293666
Ion	Ratio	Lower	Upper
69	100		
41	62.0	49.5	74.3
39	28.3	22.5	33.7



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

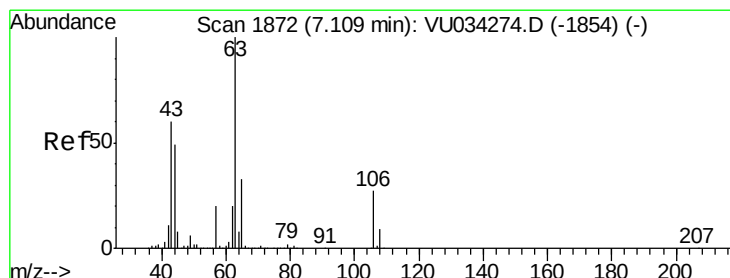
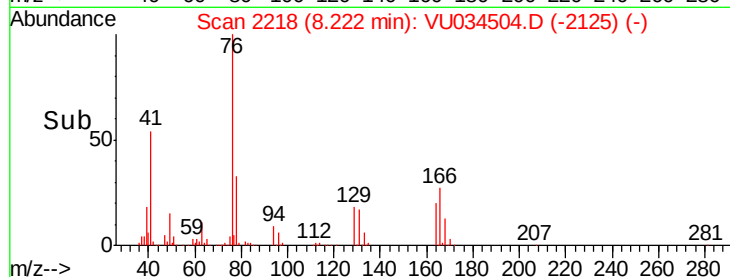
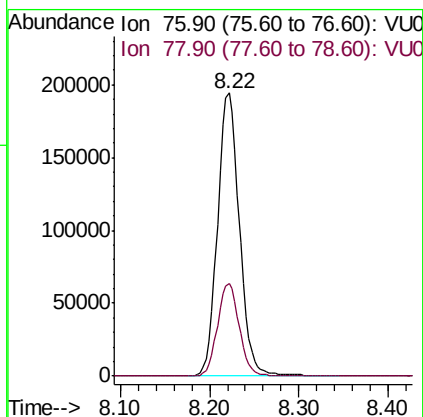
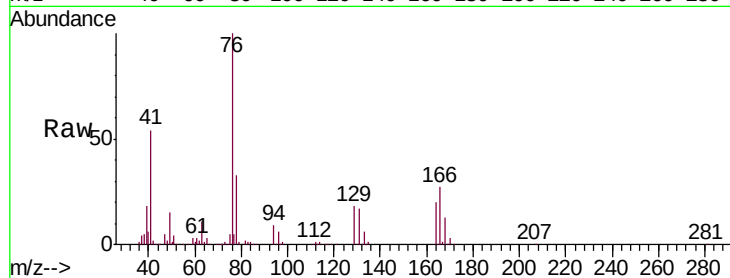




#57
 1,3-Dichloropropane
 Concen: 56.308 ug/l
 RT: 8.22 min Scan# 2218
 Delta R.T. 0.00 min
 Lab File: VU034504.D
 Acq: 12 Sep 2019 02:49

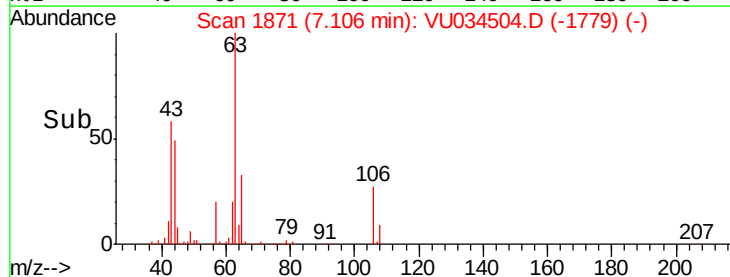
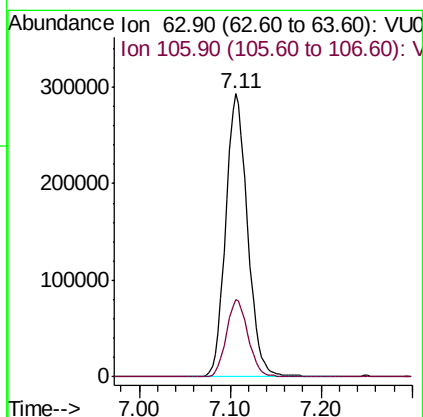
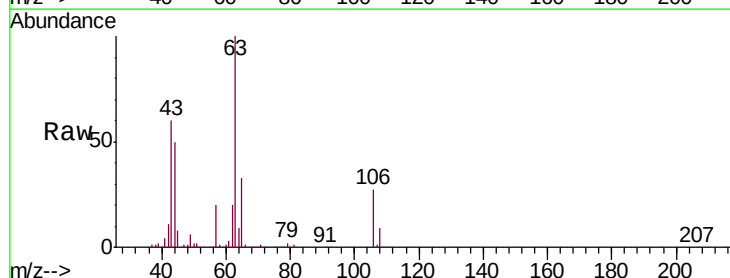
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

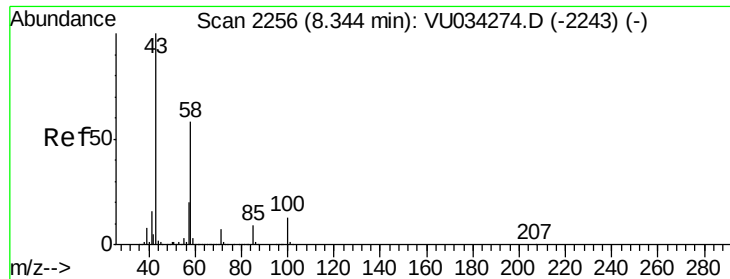
Tgt Ion: 76 Resp: 330727
 Ion Ratio Lower Upper
 76 100
 78 32.7 25.4 38.2



#58
 2-Chloroethyl Vinyl ether
 Concen: 263.529 ug/l
 RT: 7.11 min Scan# 1871
 Delta R.T. -0.00 min
 Lab File: VU034504.D
 Acq: 12 Sep 2019 02:49

Tgt Ion: 63 Resp: 490384
 Ion Ratio Lower Upper
 63 100
 106 27.2 21.6 32.4

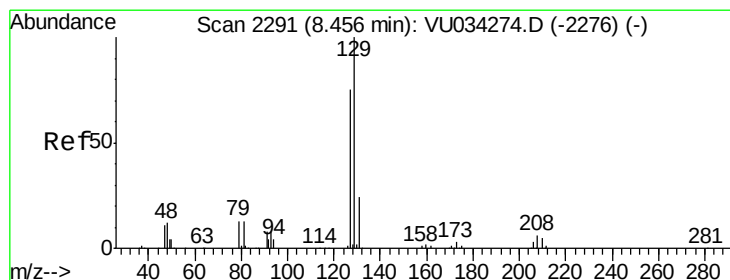
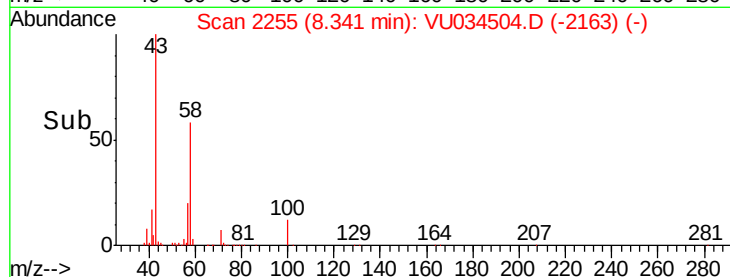
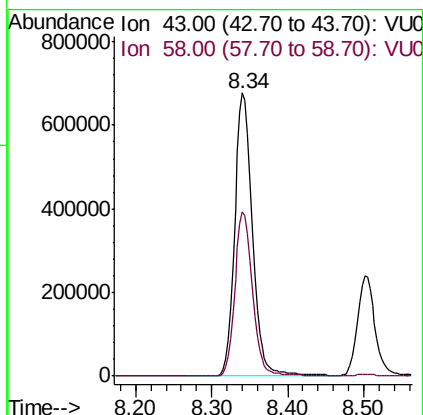
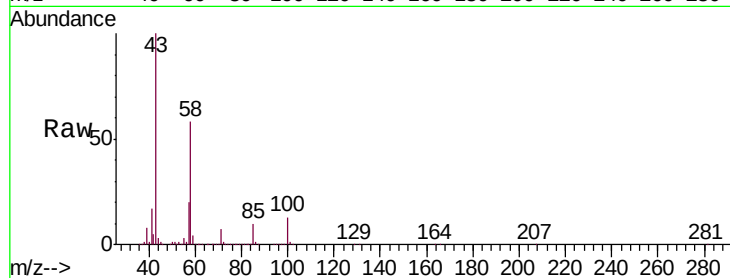




#59
2-Hexanone
Concen: 293.496 ug/l
RT: 8.34 min Scan# 2255
Delta R.T. -0.00 min
Lab File: VU034504.D
Acq: 12 Sep 2019 02:49

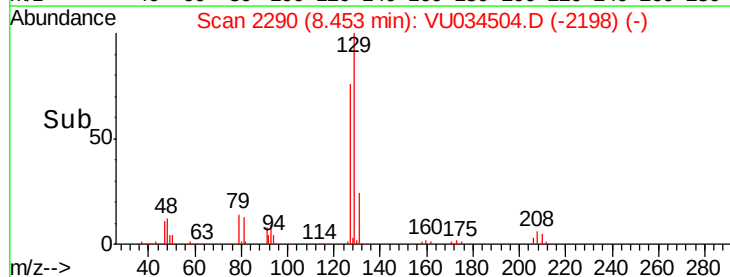
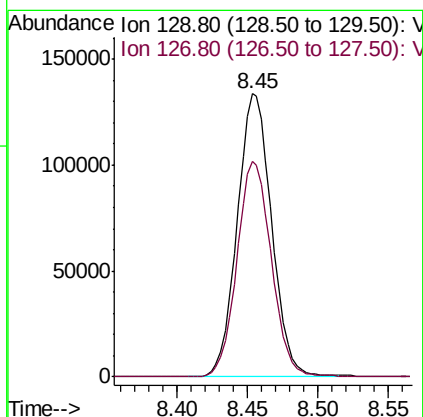
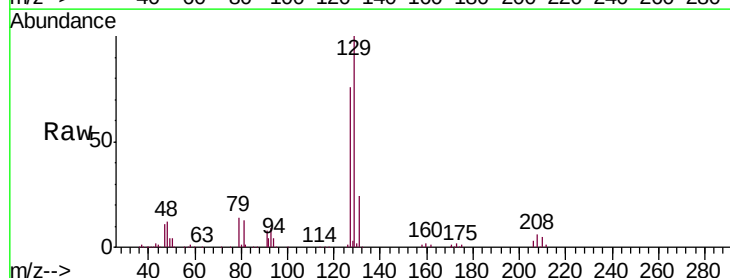
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

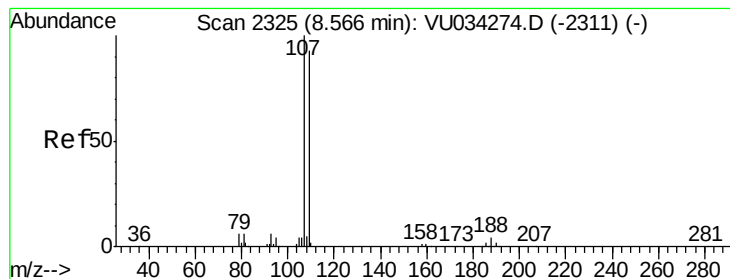
Tgt Ion: 43 Resp: 1098556
Ion Ratio Lower Upper
43 100
58 58.3 28.8 86.5



#60
Dibromochloromethane
Concen: 59.149 ug/l
RT: 8.45 min Scan# 2290
Delta R.T. -0.00 min
Lab File: VU034504.D
Acq: 12 Sep 2019 02:49

Tgt Ion: 129 Resp: 228841
Ion Ratio Lower Upper
129 100
127 76.1 37.9 113.7





#61

1,2-Dibromoethane

Concen: 57.407 ug/l

RT: 8.57 min Scan# 2325

Delta R.T. 0.00 min

Lab File: VU034504.D

Acq: 12 Sep 2019 02:49

Instrument :

MSVOA_U

ClientSampleId :

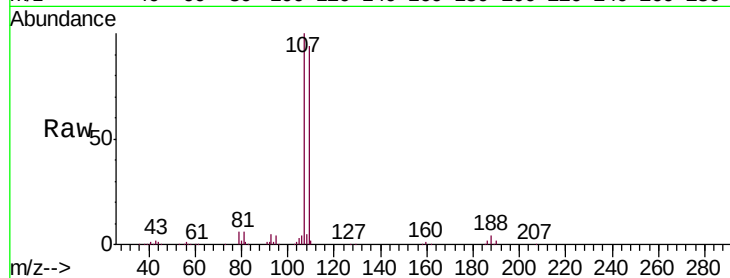
VSTDCCC050EC

Tgt Ion: 107 Resp: 202676

Ion Ratio Lower Upper

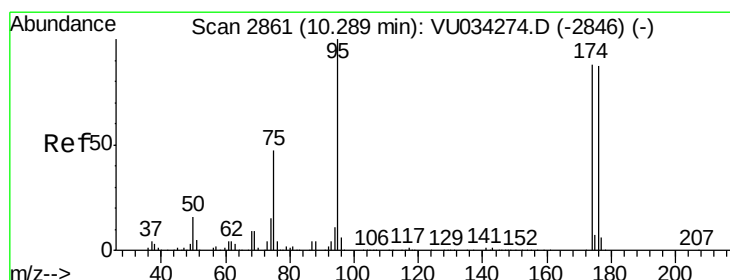
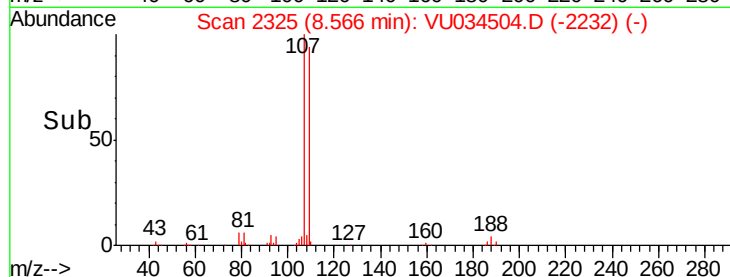
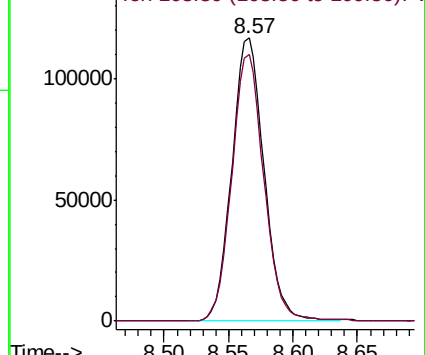
107 100

109 94.4 75.0 112.6



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 52.667 ug/l

RT: 10.29 min Scan# 2860

Delta R.T. -0.00 min

Lab File: VU034504.D

Acq: 12 Sep 2019 02:49

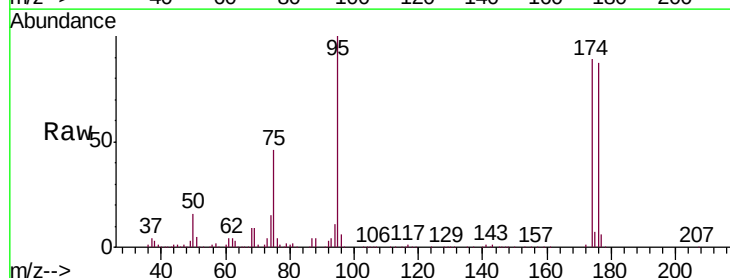
Tgt Ion: 95 Resp: 257241

Ion Ratio Lower Upper

95 100

174 88.0 0.0 175.2

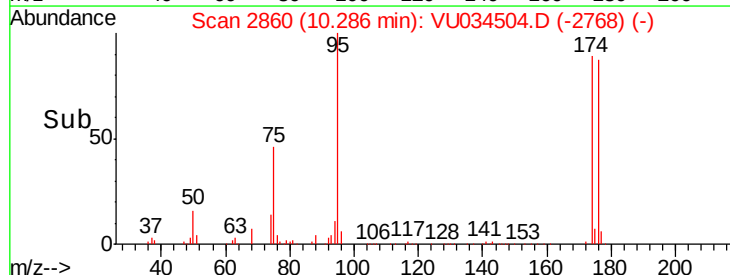
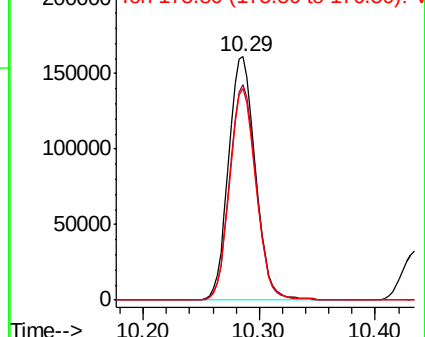
176 85.2 0.0 168.0

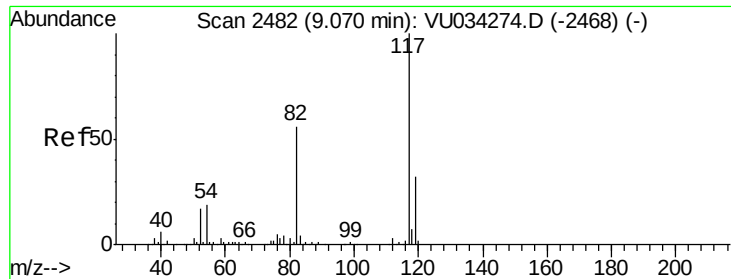


Abundance Ion 94.90 (94.60 to 95.60): VU0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

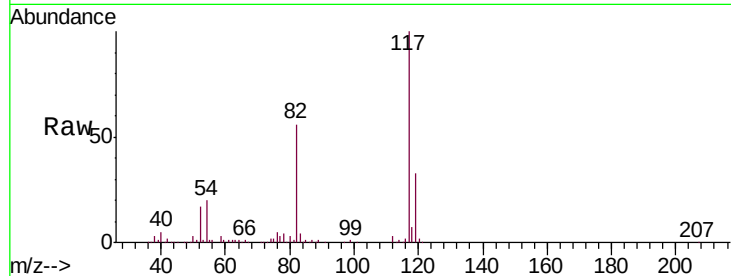




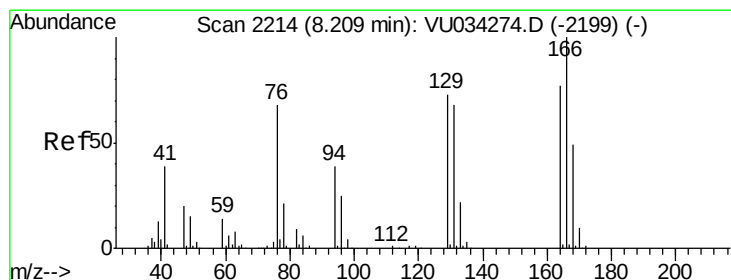
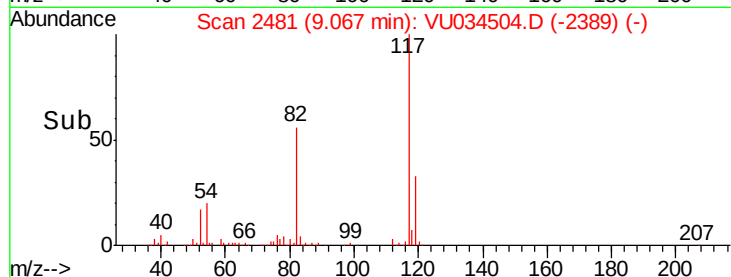
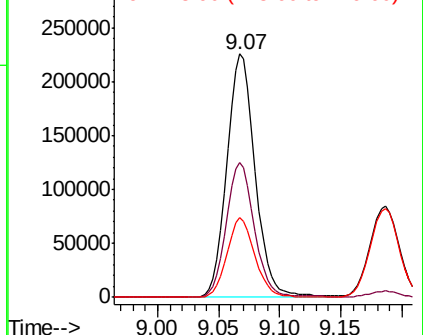
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.07 min Scan# 2481
Delta R.T. -0.00 min
Lab File: VU034504.D
Acq: 12 Sep 2019 02:49

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tgt Ion:117 Resp: 367196
Ion Ratio Lower Upper
117 100
82 55.6 44.6 67.0
119 32.6 25.9 38.9

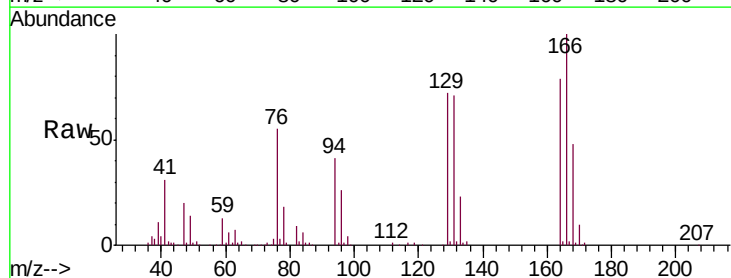


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VU0
Ion 118.90 (118.60 to 119.60): V

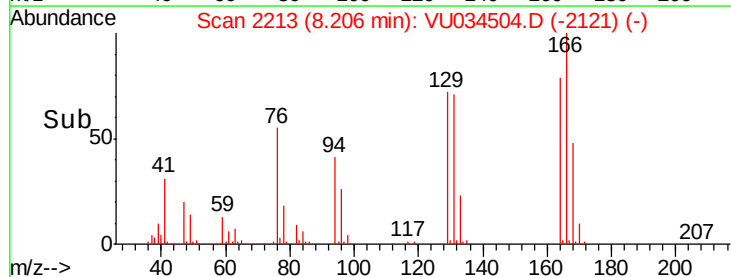
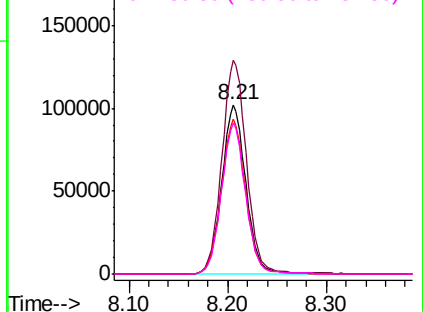


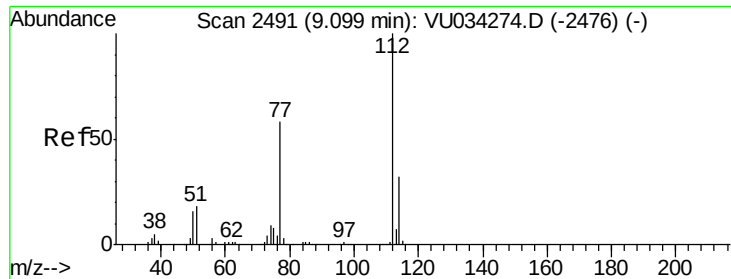
#64
Tetrachloroethene
Concen: 55.209 ug/l
RT: 8.21 min Scan# 2213
Delta R.T. -0.00 min
Lab File: VU034504.D
Acq: 12 Sep 2019 02:49

Tgt Ion:164 Resp: 175876
Ion Ratio Lower Upper
164 100
166 126.3 103.7 155.5
129 91.4 75.8 113.8
131 89.7 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: 55.381 ug/l

RT: 9.10 min Scan# 2490

Delta R.T. -0.00 min

Lab File: VU034504.D

Acq: 12 Sep 2019 02:49

Instrument :

MSVOA_U

ClientSampleId :

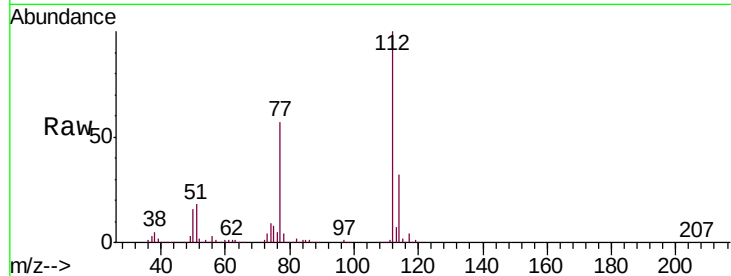
VSTDCCC050EC

Tgt Ion:112 Resp: 515924

Ion Ratio Lower Upper

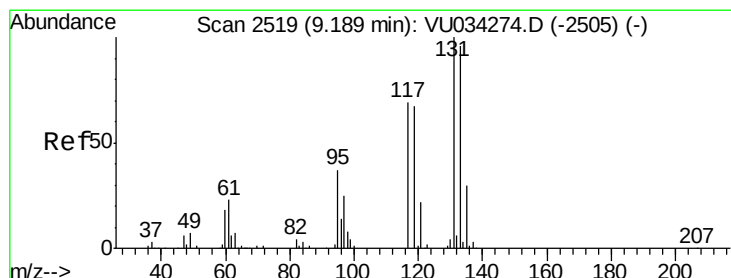
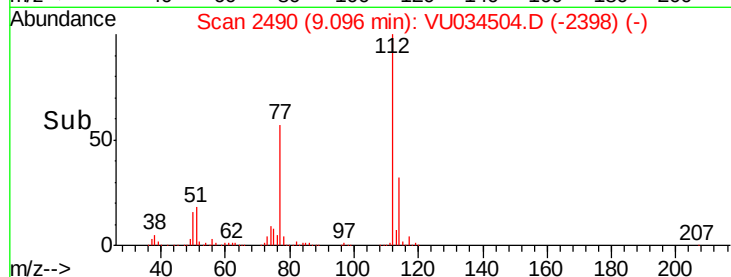
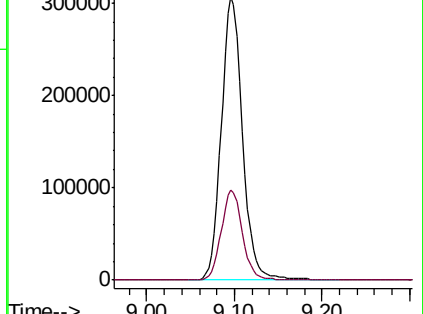
112 100

114 32.1 25.9 38.9



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 56.273 ug/l

RT: 9.19 min Scan# 2518

Delta R.T. -0.00 min

Lab File: VU034504.D

Acq: 12 Sep 2019 02:49

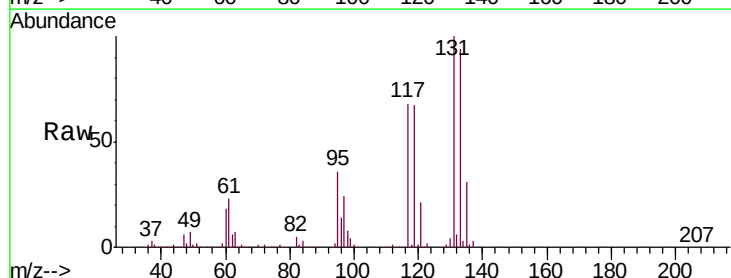
Tgt Ion:131 Resp: 200067

Ion Ratio Lower Upper

131 100

133 94.9 47.9 143.7

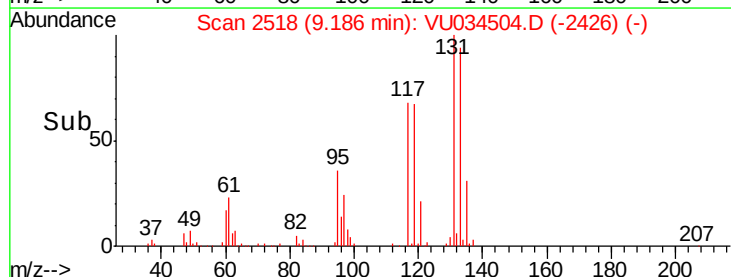
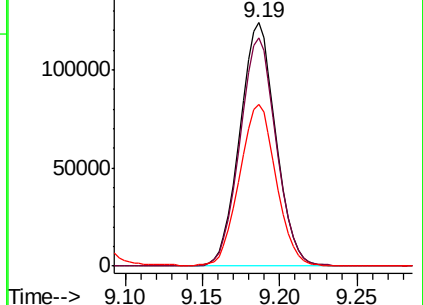
119 67.7 33.1 99.5

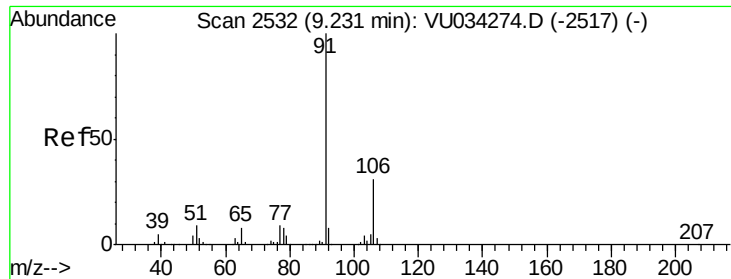


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





#67

Ethyl Benzene

Concen: 56.774 ug/l

RT: 9.23 min Scan# 2531

Delta R.T. -0.00 min

Lab File: VU034504.D

Acq: 12 Sep 2019 02:49

Instrument :

MSVOA_U

ClientSampleId :

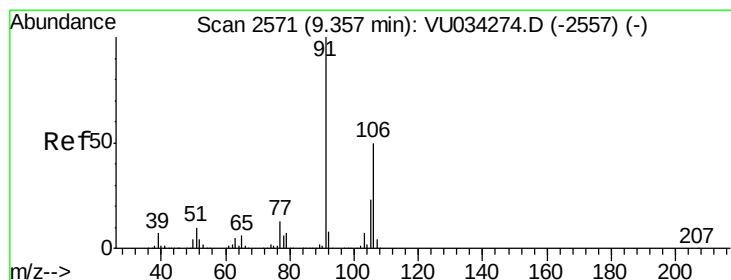
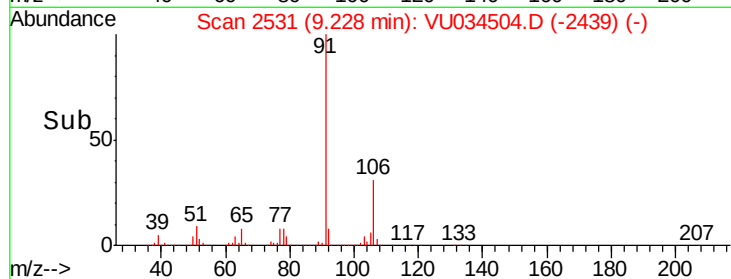
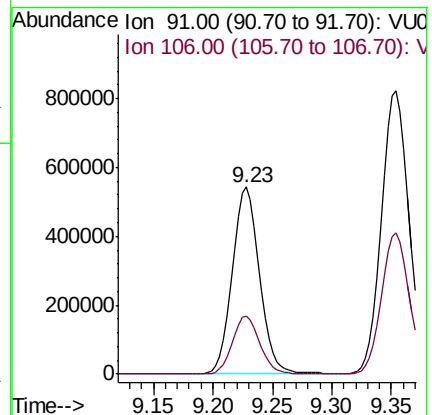
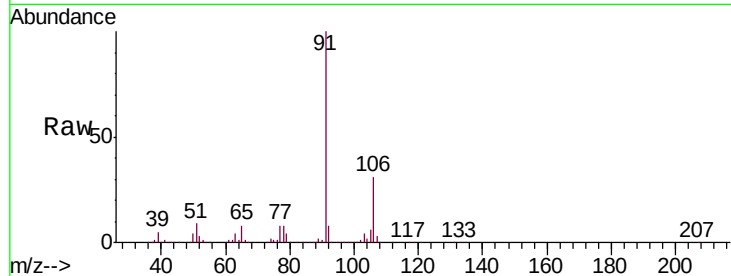
VSTDCCC050EC

Tgt Ion: 91 Resp: 864781

Ion Ratio Lower Upper

91 100

106 31.1 24.8 37.2



#68

m/p-Xylenes

Concen: 117.126 ug/l

RT: 9.35 min Scan# 2570

Delta R.T. -0.00 min

Lab File: VU034504.D

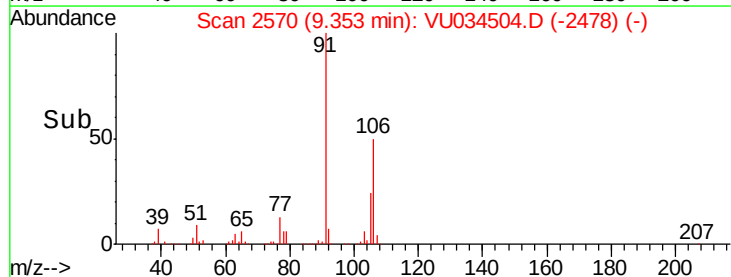
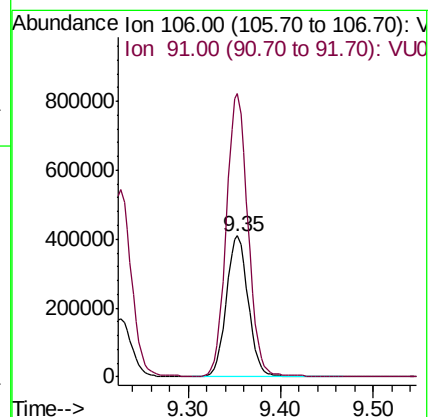
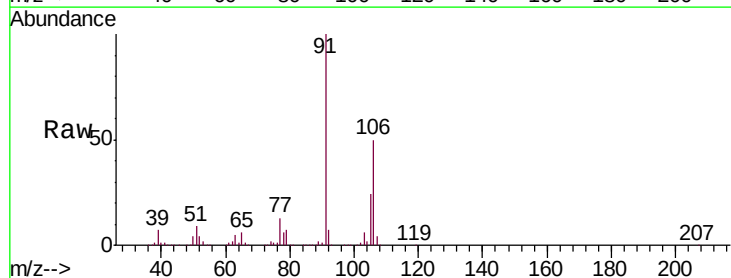
Acq: 12 Sep 2019 02:49

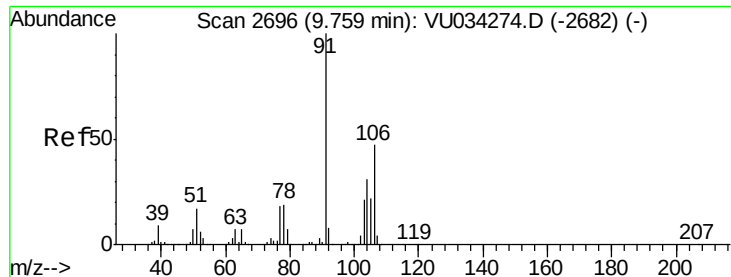
Tgt Ion: 106 Resp: 671809

Ion Ratio Lower Upper

106 100

91 198.8 160.1 240.1

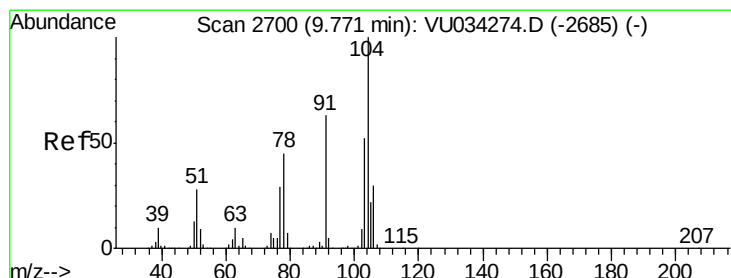
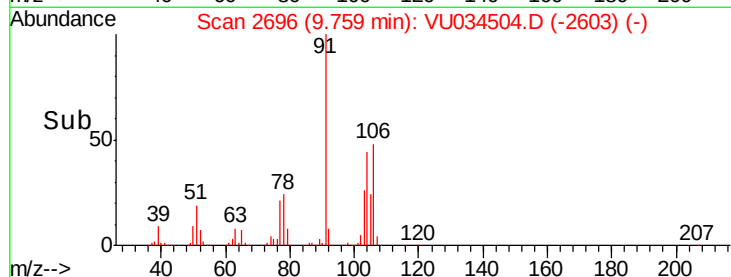
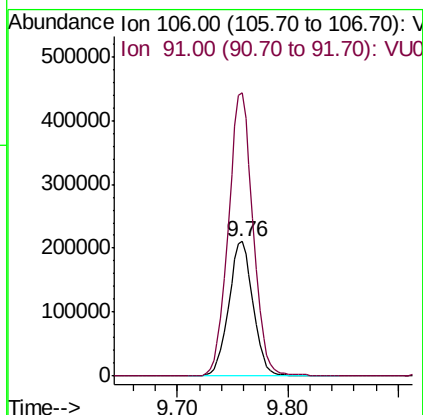
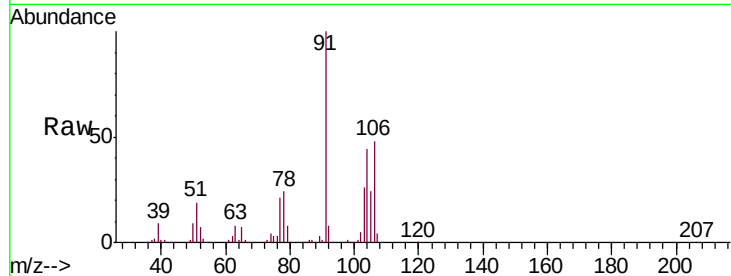




#69
o-Xylene
Concen: 57.582 ug/l
RT: 9.76 min Scan# 2696
Delta R.T. 0.00 min
Lab File: VU034504.D
Acq: 12 Sep 2019 02:49

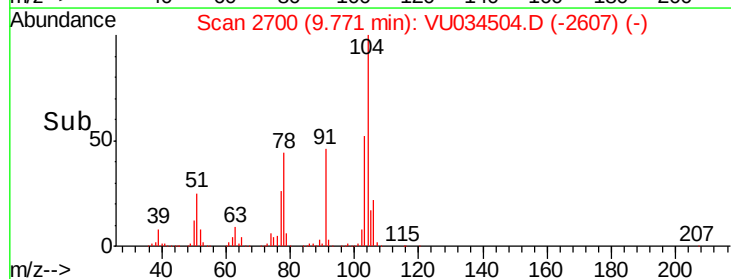
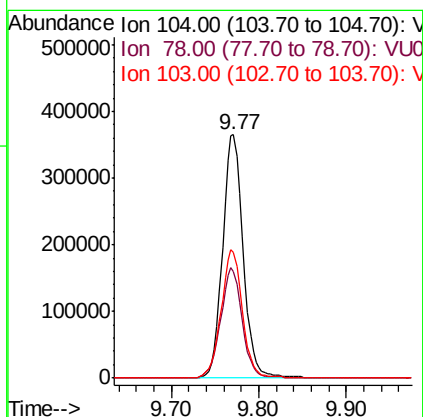
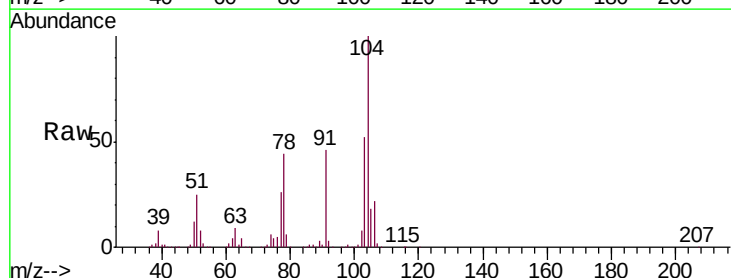
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

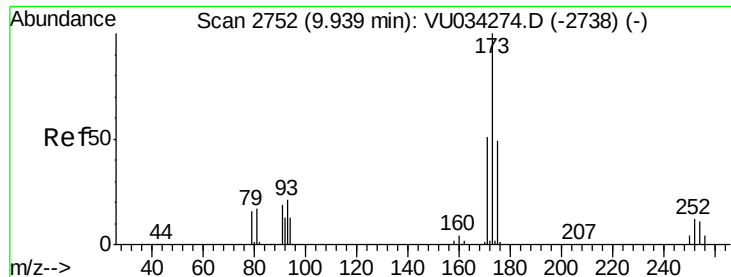
Tgt Ion:106 Resp: 322997
Ion Ratio Lower Upper
106 100
91 212.5 105.1 315.3



#70
Styrene
Concen: 60.540 ug/l
RT: 9.77 min Scan# 2700
Delta R.T. 0.00 min
Lab File: VU034504.D
Acq: 12 Sep 2019 02:49

Tgt Ion:104 Resp: 595399
Ion Ratio Lower Upper
104 100
78 47.5 38.6 57.8
103 54.7 44.2 66.4





#71

Bromoform

Concen: 56.937 ug/l

RT: 9.94 min Scan# 2751

Delta R.T. -0.00 min

Lab File: VU034504.D

Acq: 12 Sep 2019 02:49

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

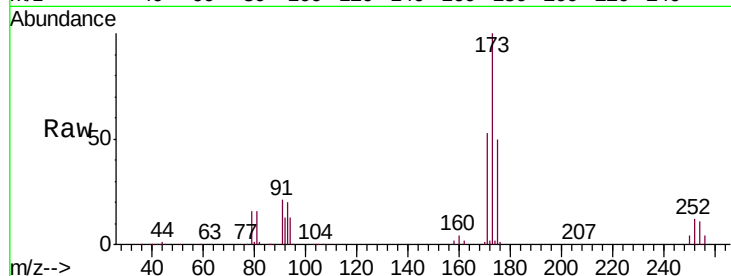
Tgt Ion:173 Resp: 175437

Ion Ratio Lower Upper

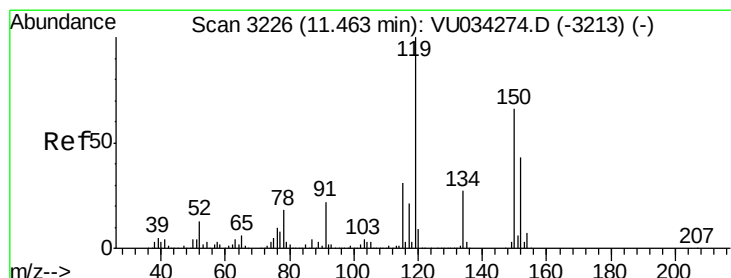
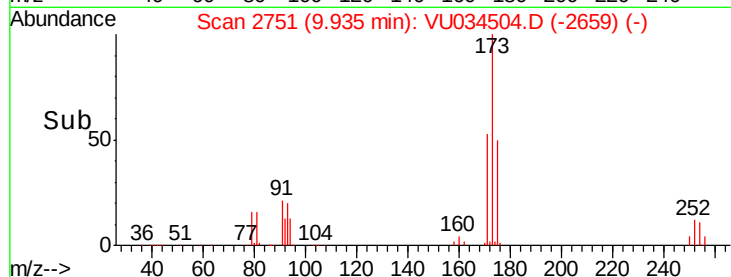
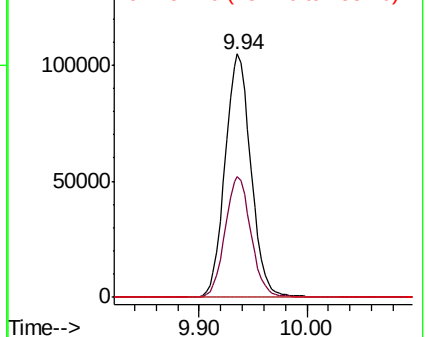
173 100

175 49.5 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: VU034504.D

Acq: 12 Sep 2019 02:49

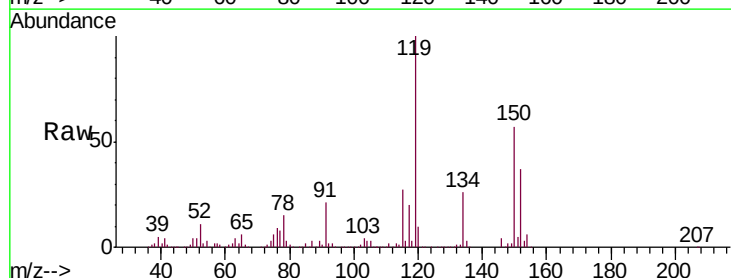
Tgt Ion:152 Resp: 248293

Ion Ratio Lower Upper

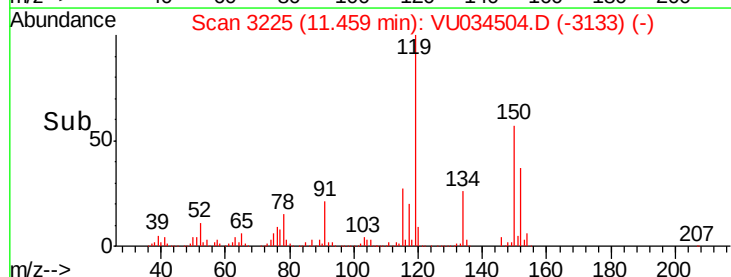
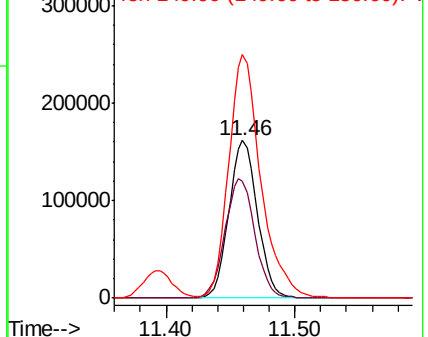
152 100

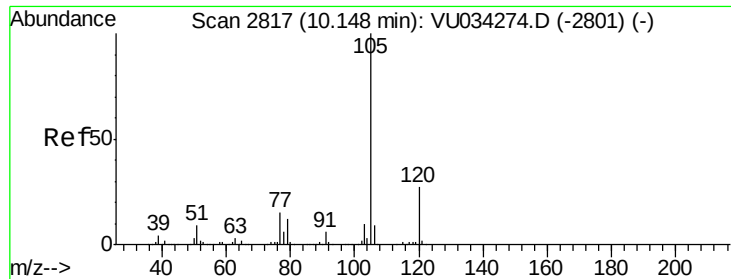
115 79.5 39.1 117.3

150 173.5 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: 55.531 ug/l

RT: 10.14 min Scan# 2816

Delta R.T. -0.00 min

Lab File: VU034504.D

Acq: 12 Sep 2019 02:49

Instrument :

MSVOA_U

ClientSampleId :

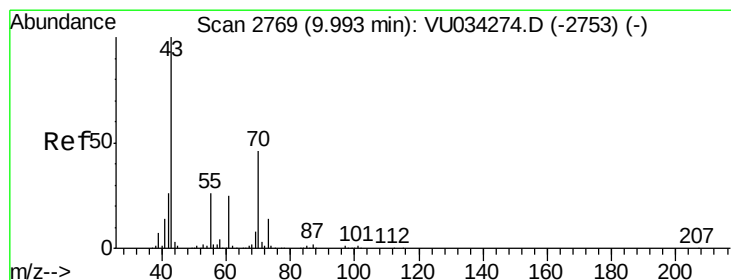
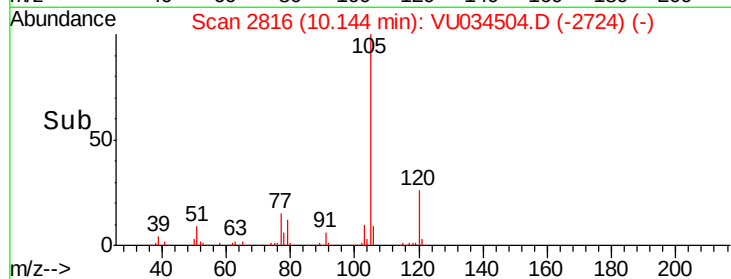
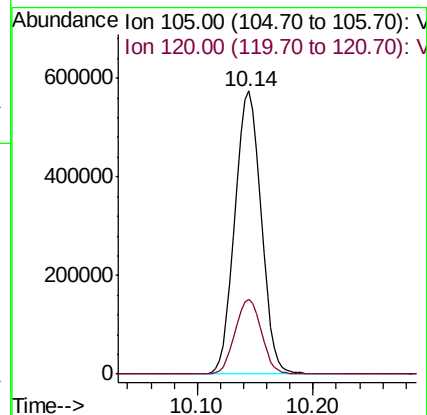
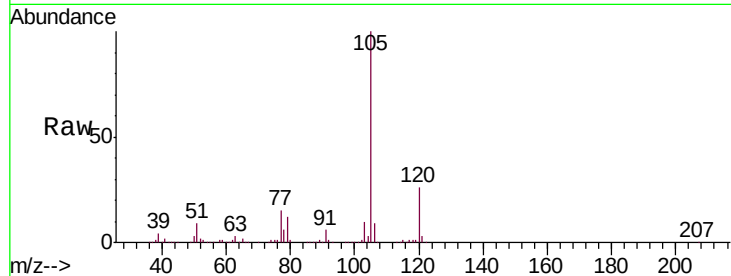
VSTDCCC050EC

Tgt Ion: 105 Resp: 897294

Ion Ratio Lower Upper

105 100

120 26.5 13.4 40.2



#74

N-ethyl acetate

Concen: 56.906 ug/l

RT: 9.99 min Scan# 2769

Delta R.T. 0.00 min

Lab File: VU034504.D

Acq: 12 Sep 2019 02:49

Tgt Ion: 43 Resp: 370126

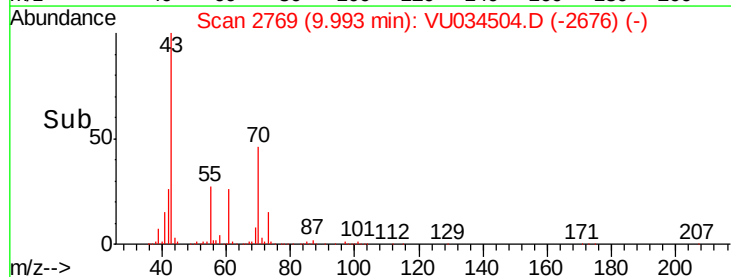
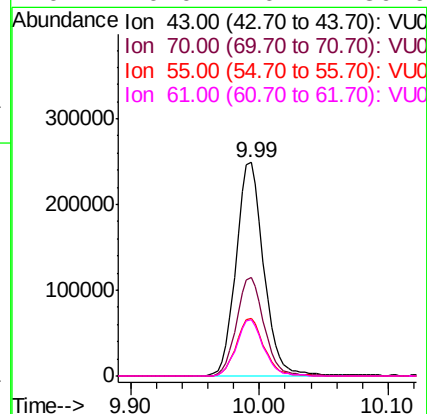
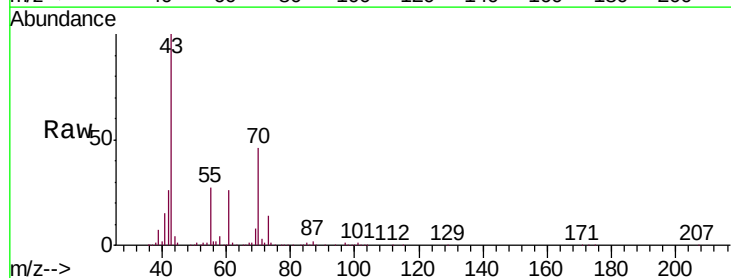
Ion Ratio Lower Upper

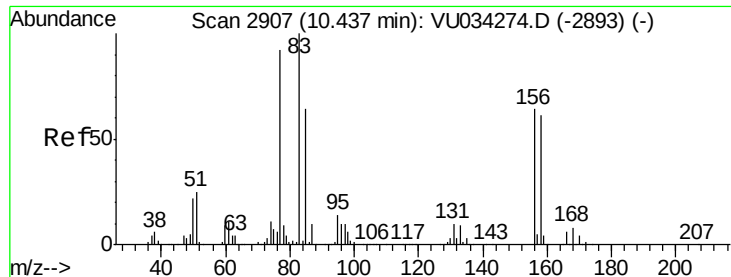
43 100

70 46.1 36.4 54.6

55 27.1 21.2 31.8

61 26.0 20.4 30.6





#75

1,1,2,2-Tetrachloroethane

Concen: 53.150 ug/l

RT: 10.43 min Scan# 2906

Delta R.T. -0.00 min

Lab File: VU034504.D

Acq: 12 Sep 2019 02:49

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

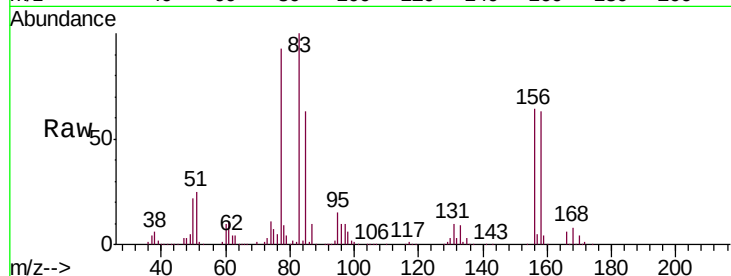
Tgt Ion: 83 Resp: 347625

Ion Ratio Lower Upper

83 100

131 10.1 5.1 15.2

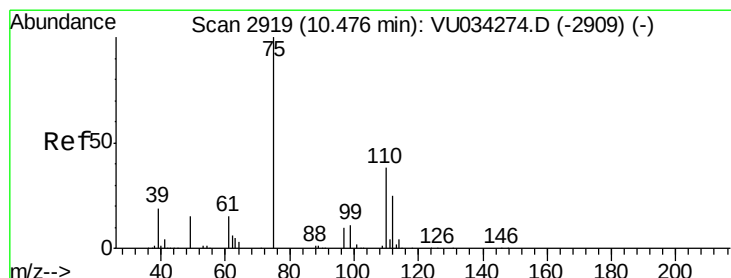
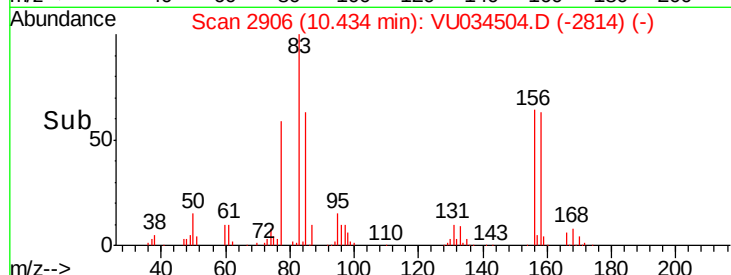
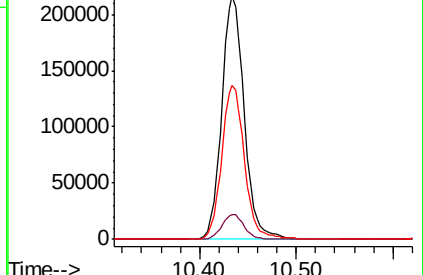
85 64.1 32.0 96.2



Abundance Ion 82.90 (82.60 to 83.60): VU034504.D (-2893) (-)

Ion 130.80 (130.50 to 131.50): VU034504.D (-2893) (-)

Ion 84.90 (84.60 to 85.60): VU034504.D (-2893) (-)



#76

1,2,3-Trichloropropane

Concen: 67.996 ug/l

RT: 10.47 min Scan# 2917

Delta R.T. -0.01 min

Lab File: VU034504.D

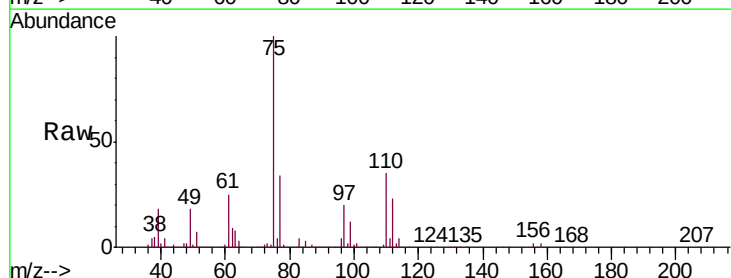
Acq: 12 Sep 2019 02:49

Tgt Ion: 75 Resp: 368522

Ion Ratio Lower Upper

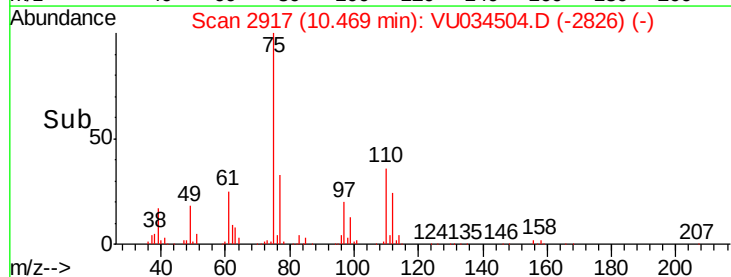
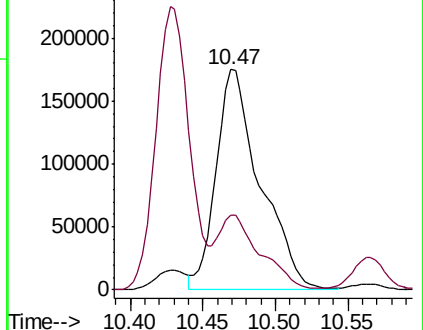
75 100

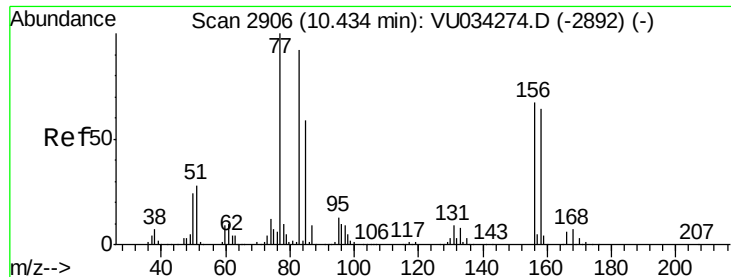
77 31.9 20.8 62.2



Abundance Ion 74.90 (74.60 to 75.60): VU034504.D (-2826) (-)

Ion 77.00 (76.70 to 77.70): VU034504.D (-2826) (-)





#77

Bromobenzene

Concen: 53.890 ug/l

RT: 10.43 min Scan# 2905

Delta R.T. -0.00 min

Lab File: VU034504.D

Acq: 12 Sep 2019 02:49

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

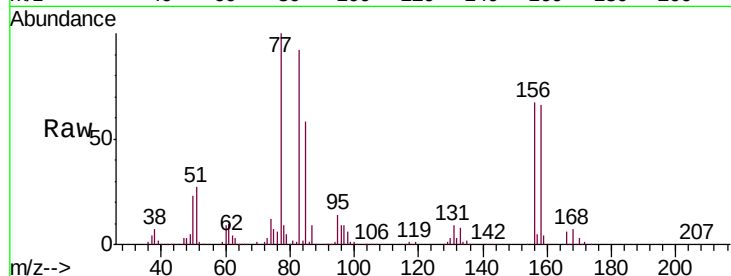
Tgt Ion:156 Resp: 243479

Ion Ratio Lower Upper

156 100

77 148.2 75.6 226.9

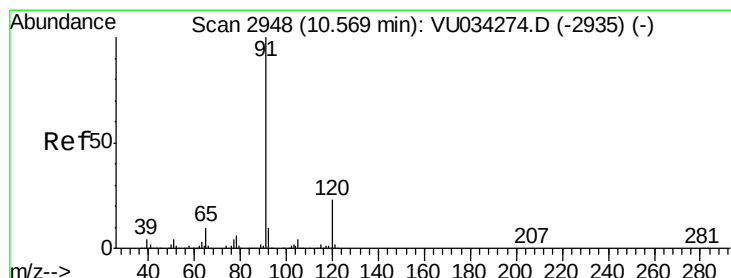
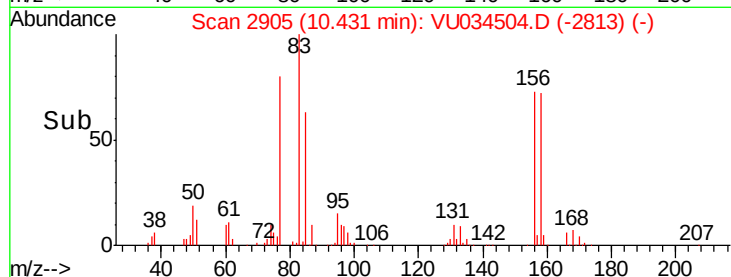
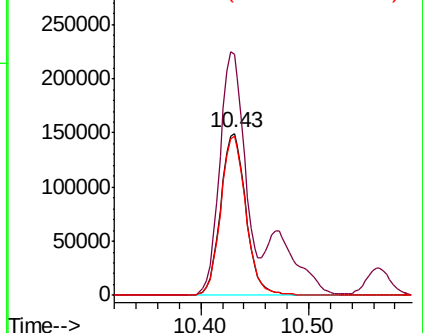
158 98.1 48.2 144.6



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: 55.631 ug/l

RT: 10.57 min Scan# 2947

Delta R.T. -0.00 min

Lab File: VU034504.D

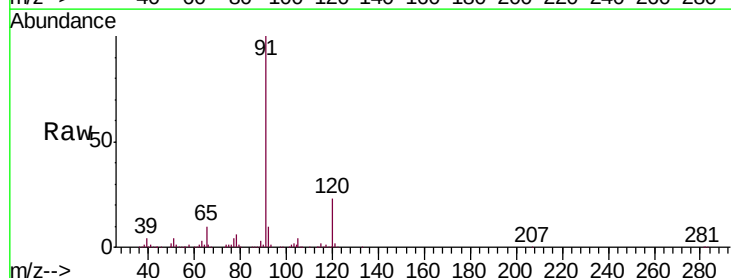
Acq: 12 Sep 2019 02:49

Tgt Ion: 91 Resp: 1038154

Ion Ratio Lower Upper

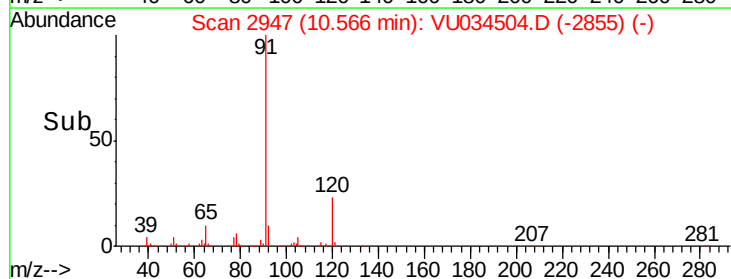
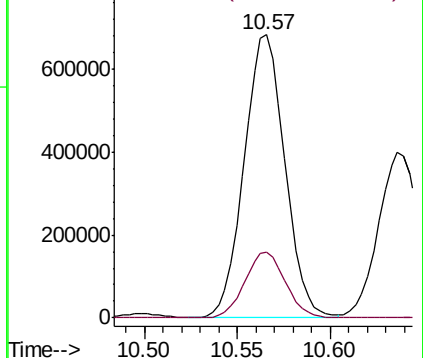
91 100

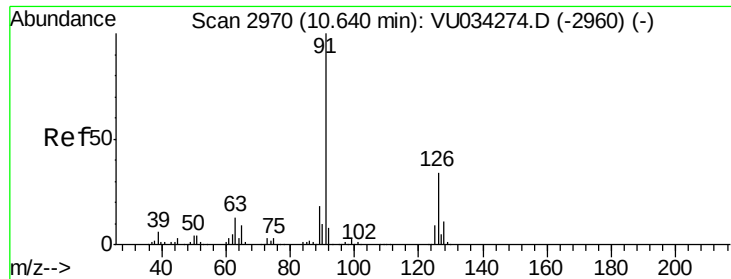
120 23.3 11.7 35.0



Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 55.243 ug/l

RT: 10.64 min Scan# 2969

Delta R.T. -0.00 min

Lab File: VU034504.D

Acq: 12 Sep 2019 02:49

Instrument :

MSVOA_U

ClientSampleId :

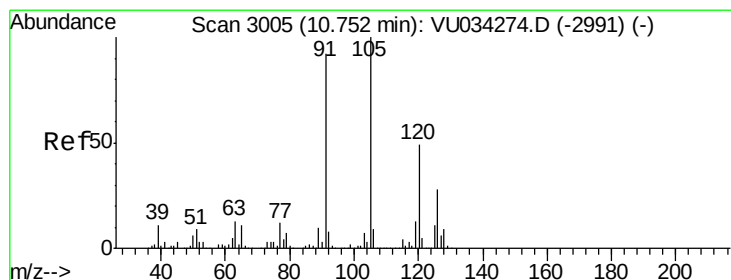
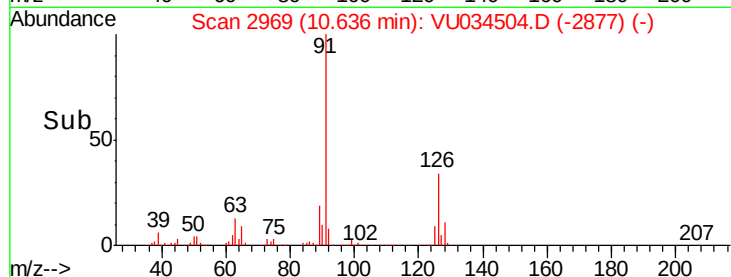
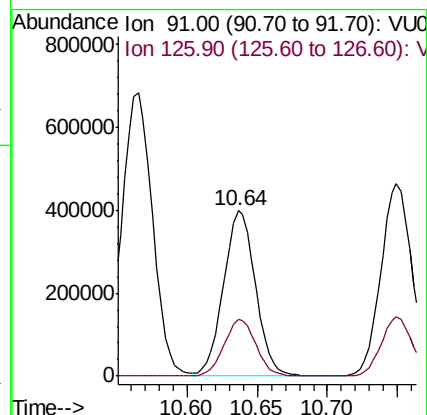
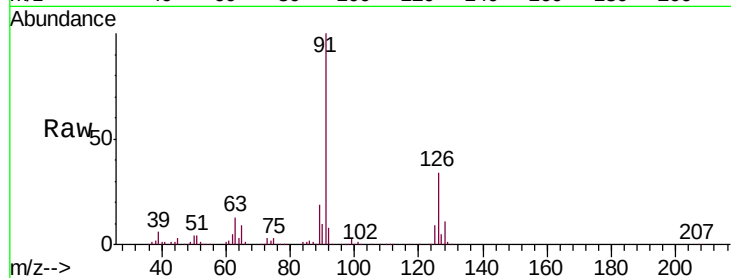
VSTDCCC050EC

Tgt Ion: 91 Resp: 629018

Ion Ratio Lower Upper

91 100

126 34.4 17.3 51.9



#80

1,3,5-Trimethylbenzene

Concen: 57.509 ug/l

RT: 10.75 min Scan# 3004

Delta R.T. -0.00 min

Lab File: VU034504.D

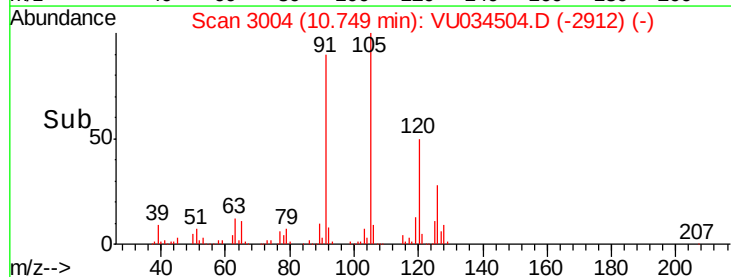
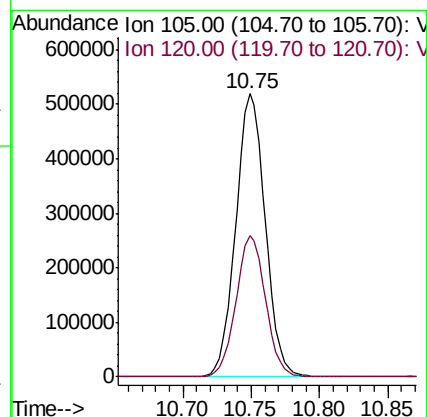
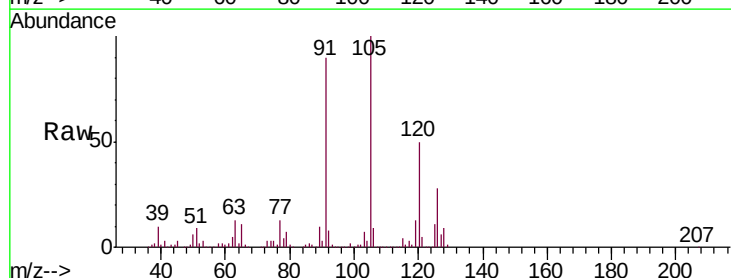
Acq: 12 Sep 2019 02:49

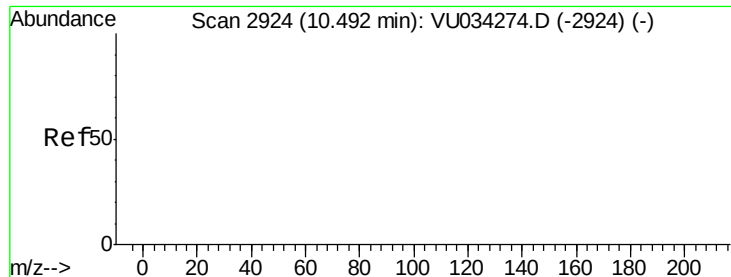
Tgt Ion: 105 Resp: 777169

Ion Ratio Lower Upper

105 100

120 50.0 24.9 74.7

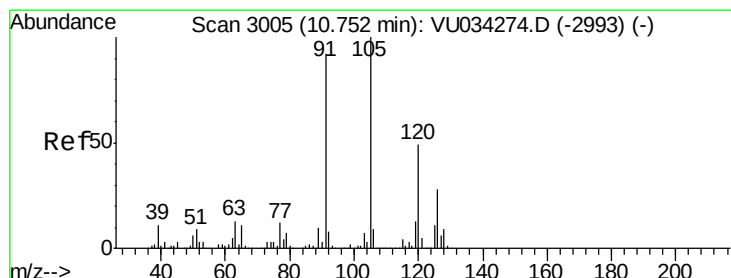
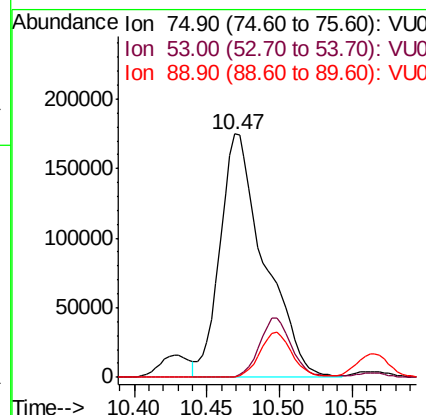
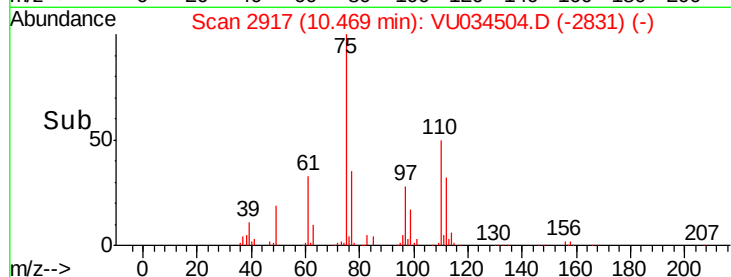
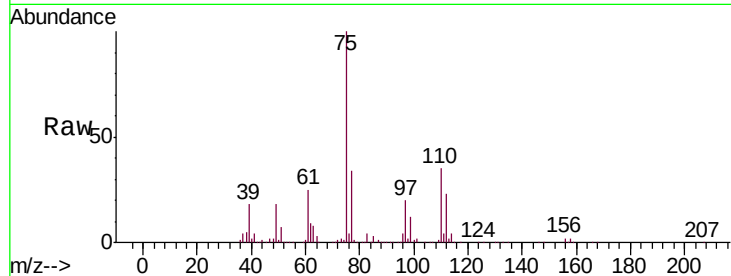




#81
trans-1,4-Dichloro-2-butene
Concen: 229.496 ug/l
RT: 10.47 min Scan# 2917
Delta R.T. -0.02 min
Lab File: VU034504.D
Acq: 12 Sep 2019 02:49

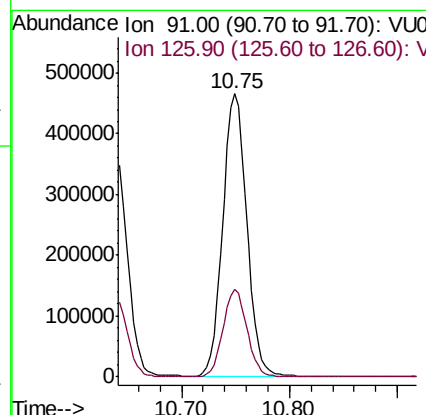
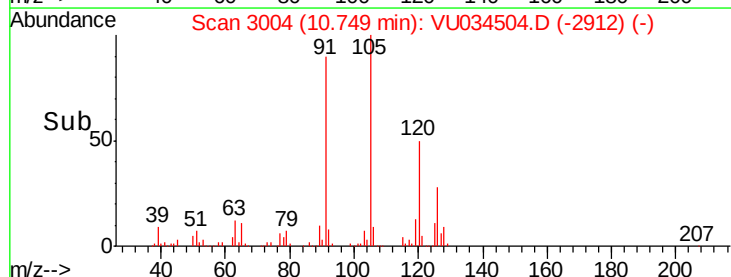
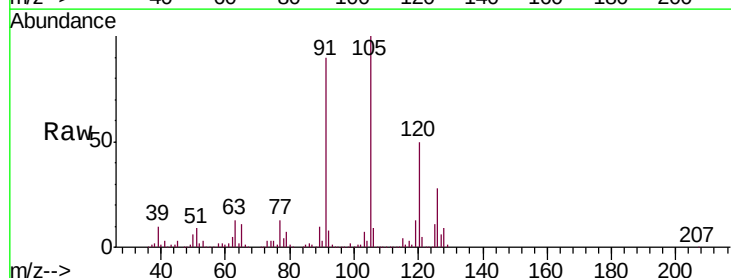
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

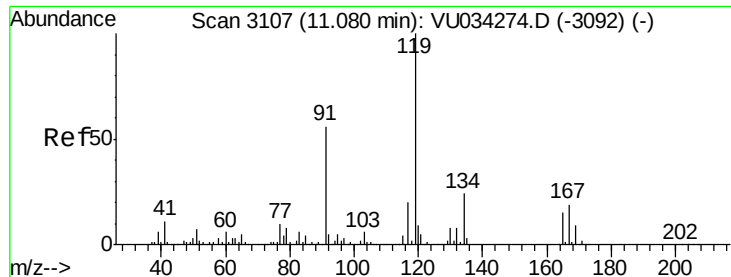
Tgt Ion: 75 Resp: 369862
Ion Ratio Lower Upper
75 100
53 0.0 0.0 0.0
89 0.0 0.0 0.0



#82
4-Chlorotoluene
Concen: 54.949 ug/l
RT: 10.75 min Scan# 3004
Delta R.T. -0.00 min
Lab File: VU034504.D
Acq: 12 Sep 2019 02:49

Tgt Ion: 91 Resp: 720017
Ion Ratio Lower Upper
91 100
126 30.9 15.3 45.8

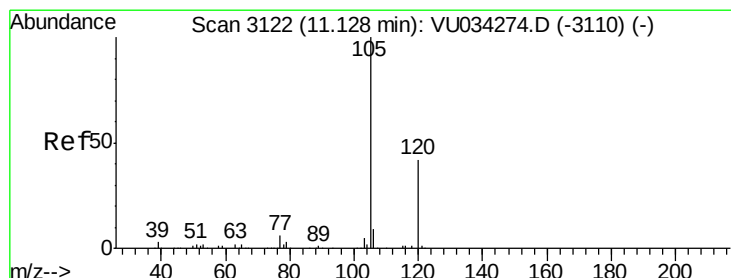
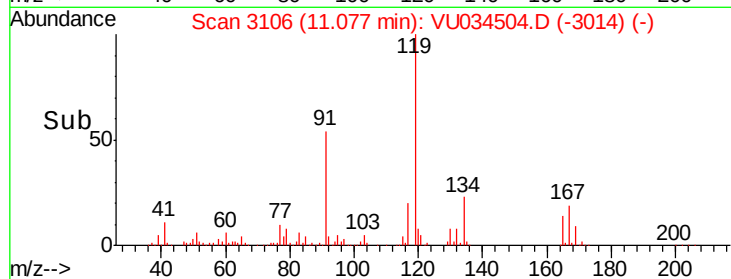
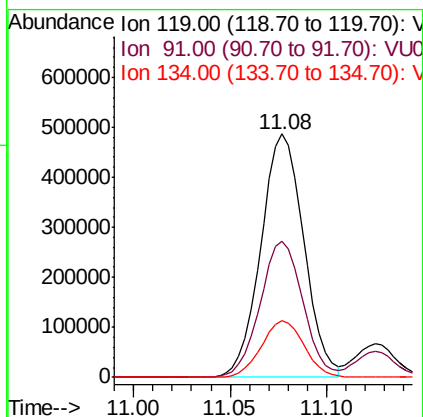
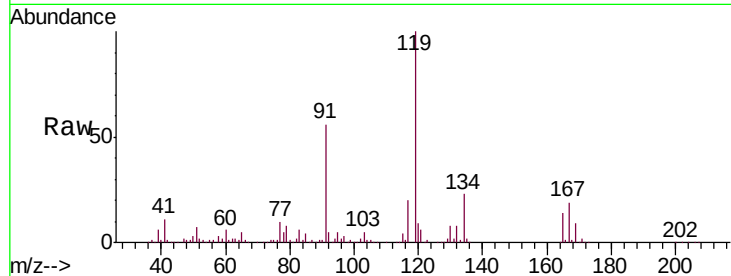




#83
 tert-Butylbenzene
 Concen: 55.596 ug/l
 RT: 11.08 min Scan# 3106
 Delta R.T. -0.00 min
 Lab File: VU034504.D
 Acq: 12 Sep 2019 02:49

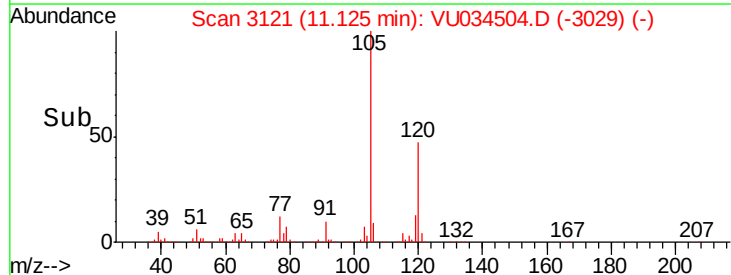
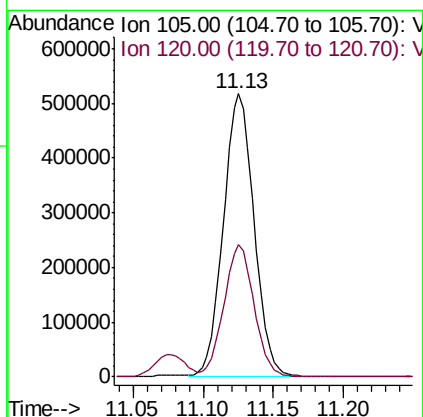
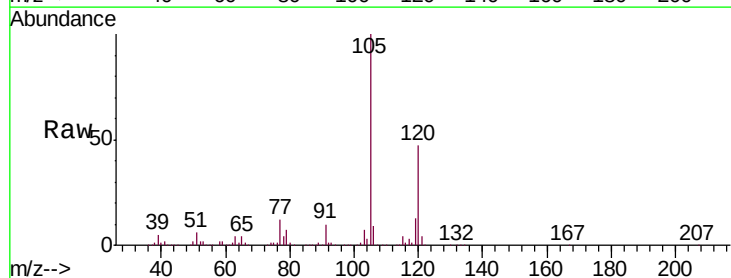
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

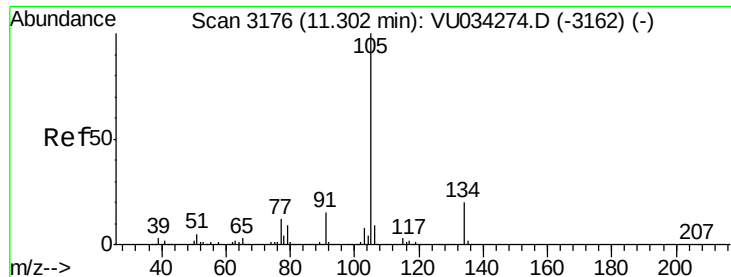
Tgt Ion:119 Resp: 751599
 Ion Ratio Lower Upper
 119 100
 91 55.6 27.8 83.4
 134 23.2 11.7 35.0



#84
 1,2,4-Trimethylbenzene
 Concen: 57.433 ug/l
 RT: 11.13 min Scan# 3121
 Delta R.T. -0.00 min
 Lab File: VU034504.D
 Acq: 12 Sep 2019 02:49

Tgt Ion:105 Resp: 781269
 Ion Ratio Lower Upper
 105 100
 120 46.2 22.9 68.8





#85

sec-Butylbenzene

Concen: 56.044 ug/l

RT: 11.30 min Scan# 3176

Delta R.T. 0.00 min

Lab File: VU034504.D

Acq: 12 Sep 2019 02:49

Instrument :

MSVOA_U

ClientSampleId :

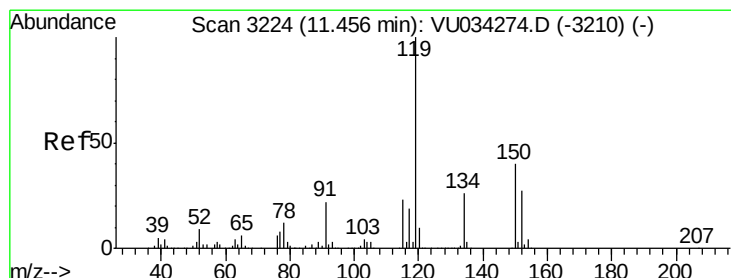
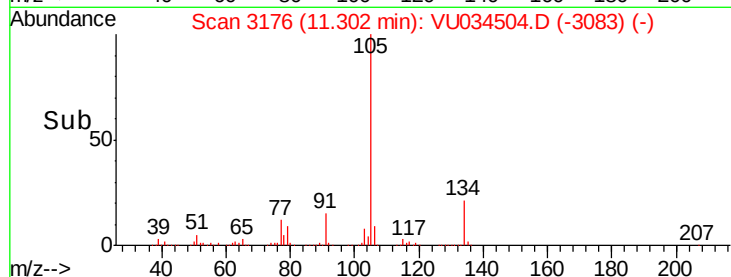
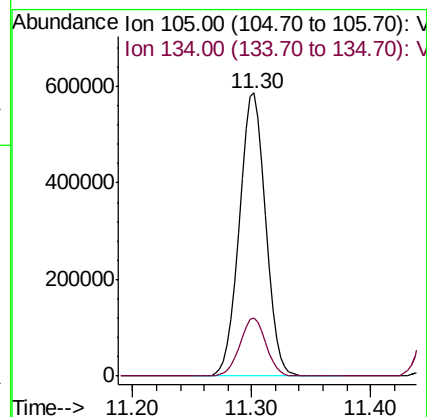
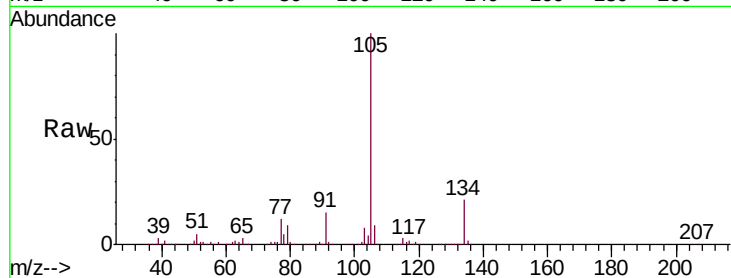
VSTDCCC050EC

Tgt Ion:105 Resp: 894470

Ion Ratio Lower Upper

105 100

134 20.4 10.1 30.3



#86

p-Isopropyltoluene

Concen: 56.515 ug/l

RT: 11.45 min Scan# 3223

Delta R.T. -0.00 min

Lab File: VU034504.D

Acq: 12 Sep 2019 02:49

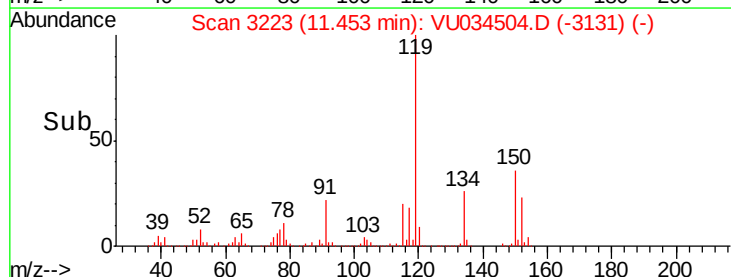
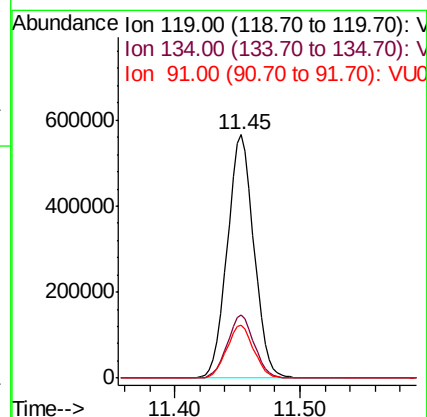
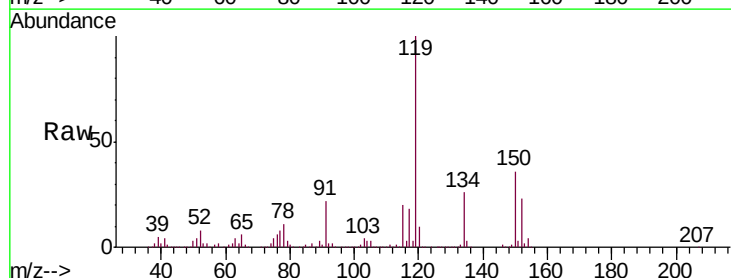
Tgt Ion:119 Resp: 832526

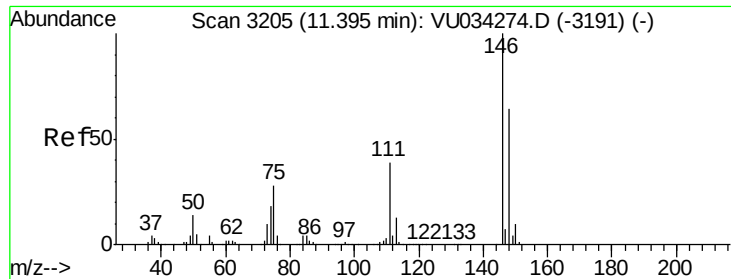
Ion Ratio Lower Upper

119 100

134 26.1 13.3 39.8

91 22.0 11.2 33.6

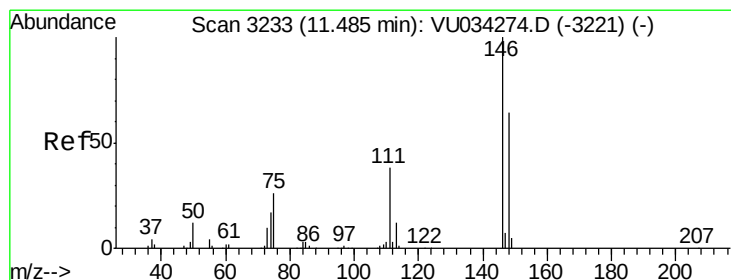
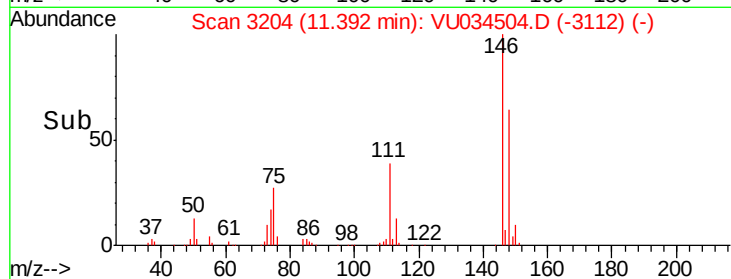
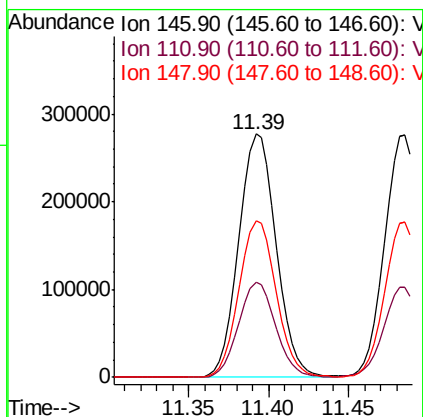
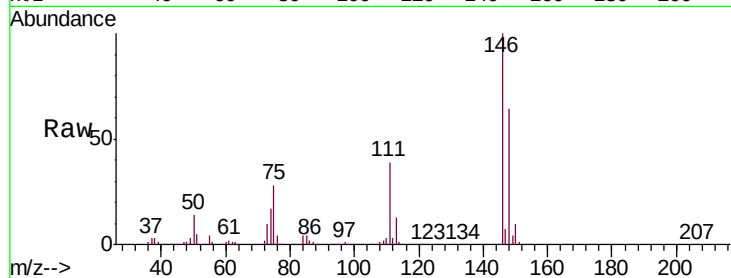




#87
 1,3-Dichlorobenzene
 Concen: 53.553 ug/l
 RT: 11.39 min Scan# 3204
 Delta R.T. -0.00 min
 Lab File: VU034504.D
 Acq: 12 Sep 2019 02:49

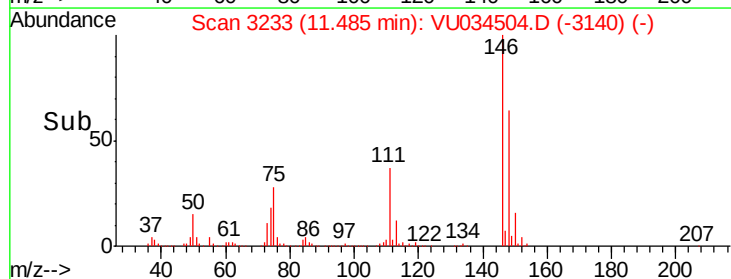
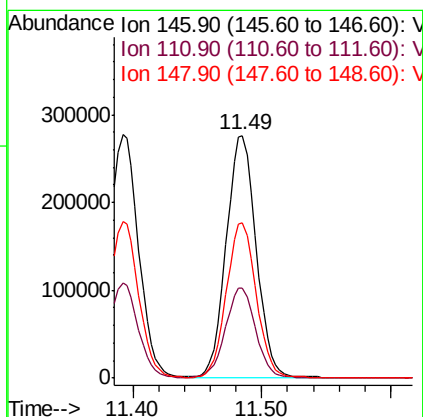
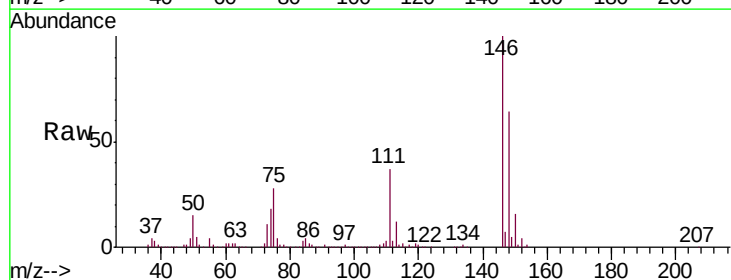
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

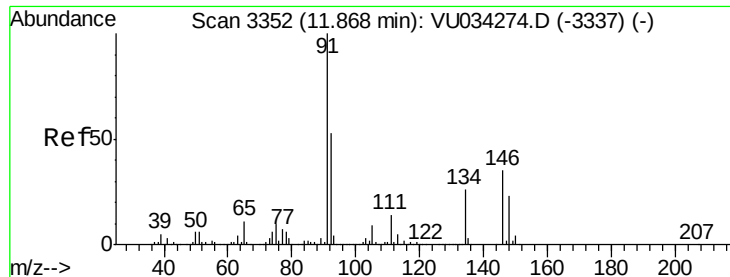
Tgt Ion:146 Resp: 441514
 Ion Ratio Lower Upper
 146 100
 111 38.7 19.5 58.5
 148 64.1 32.1 96.3



#88
 1,4-Dichlorobenzene
 Concen: 51.560 ug/l
 RT: 11.49 min Scan# 3233
 Delta R.T. 0.00 min
 Lab File: VU034504.D
 Acq: 12 Sep 2019 02:49

Tgt Ion:146 Resp: 443377
 Ion Ratio Lower Upper
 146 100
 111 37.6 19.1 57.3
 148 64.2 32.0 96.0

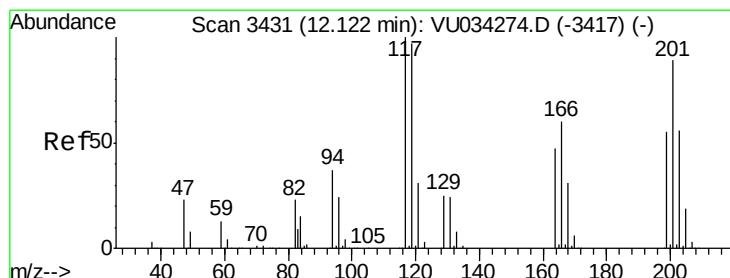
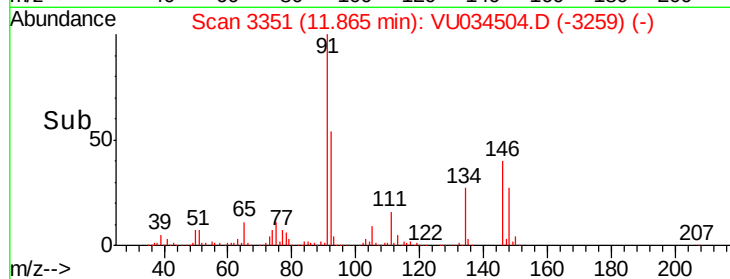
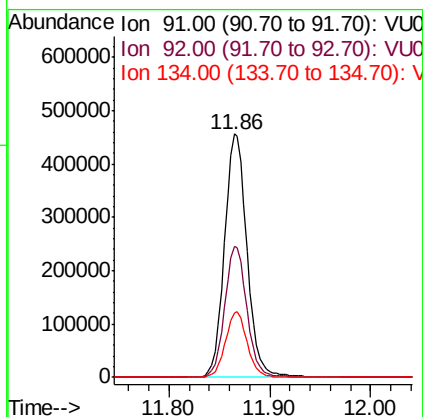
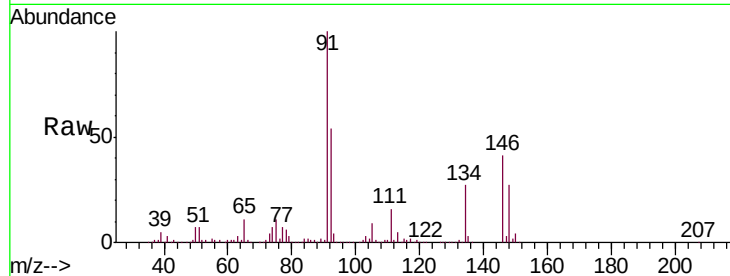




#89
n-Butylbenzene
Concen: 55.619 ug/l
RT: 11.86 min Scan# 3351
Delta R.T. -0.00 min
Lab File: VU034504.D
Acq: 12 Sep 2019 02:49

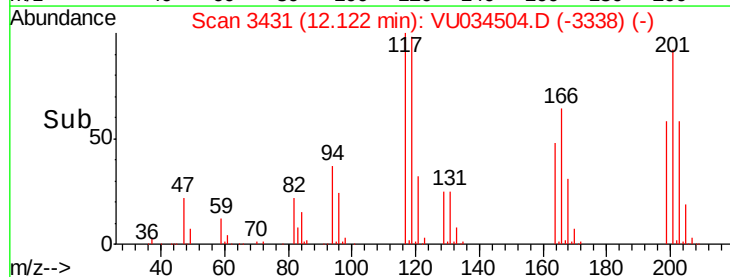
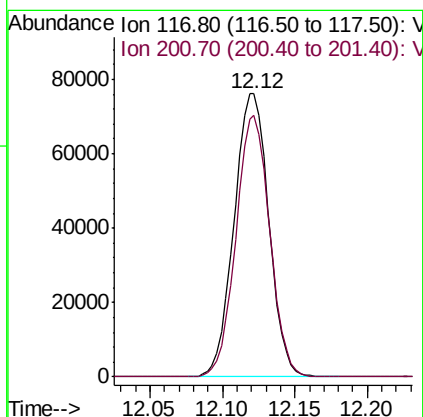
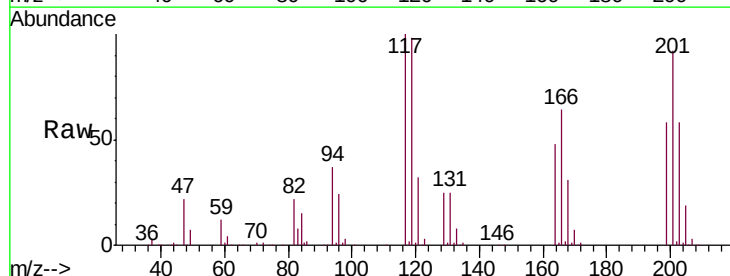
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

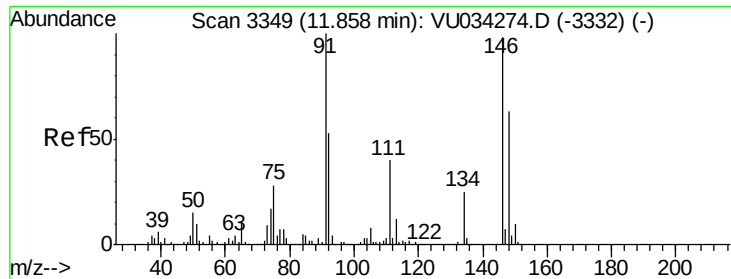
Tgt Ion: 91 Resp: 712004
Ion Ratio Lower Upper
91 100
92 53.0 26.5 79.4
134 26.2 13.2 39.6



#90
Hexachloroethane
Concen: 53.666 ug/l
RT: 12.12 min Scan# 3431
Delta R.T. 0.00 min
Lab File: VU034504.D
Acq: 12 Sep 2019 02:49

Tgt Ion: 117 Resp: 126480
Ion Ratio Lower Upper
117 100
201 89.8 44.1 132.4





#91

1,2-Dichlorobenzene

Concen: 54.034 ug/l

RT: 11.85 min Scan# 3348

Delta R.T. -0.00 min

Lab File: VU034504.D

Acq: 12 Sep 2019 02:49

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

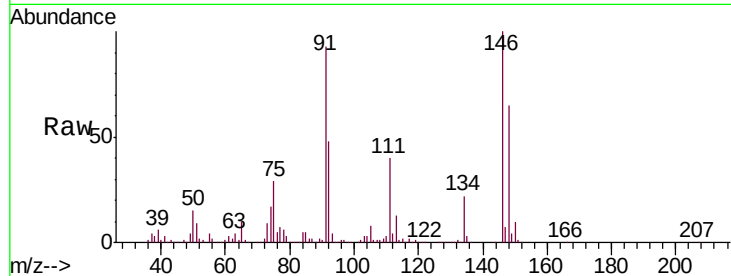
Tgt Ion:146 Resp: 437816

Ion Ratio Lower Upper

146 100

111 40.2 20.0 60.0

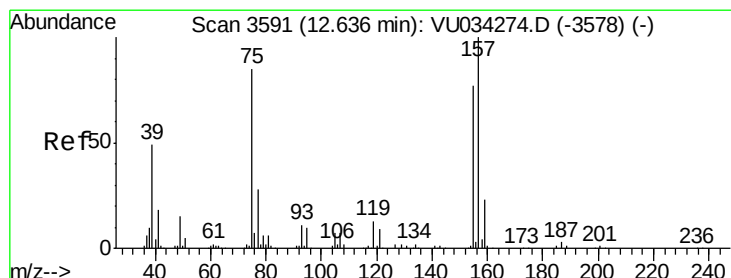
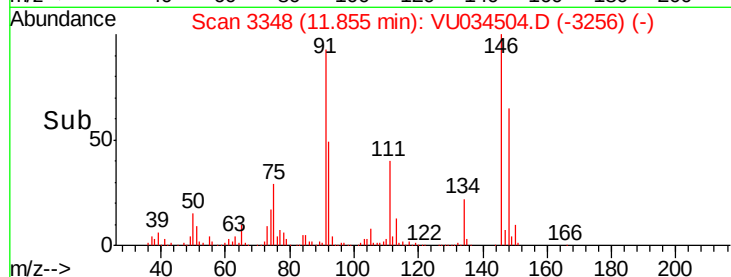
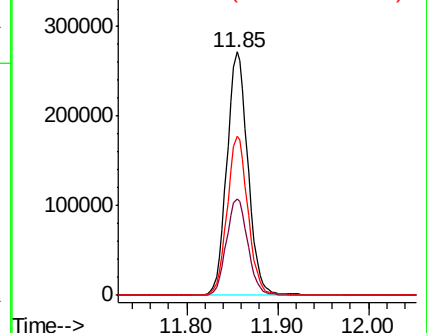
148 64.4 31.6 94.8



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: 56.973 ug/l

RT: 12.63 min Scan# 3590

Delta R.T. -0.00 min

Lab File: VU034504.D

Acq: 12 Sep 2019 02:49

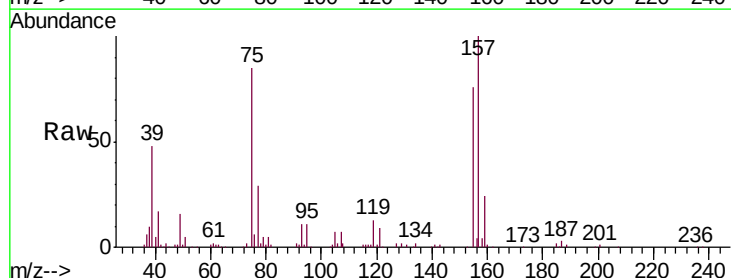
Tgt Ion: 75 Resp: 68474

Ion Ratio Lower Upper

75 100

155 91.5 44.6 134.0

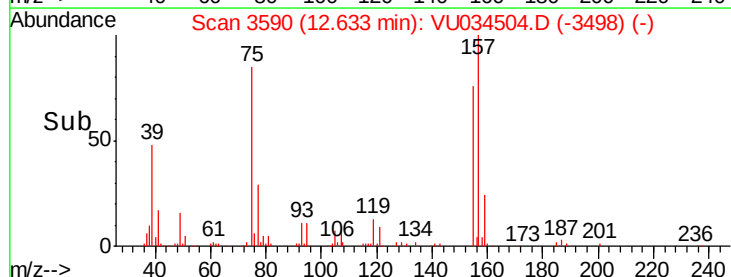
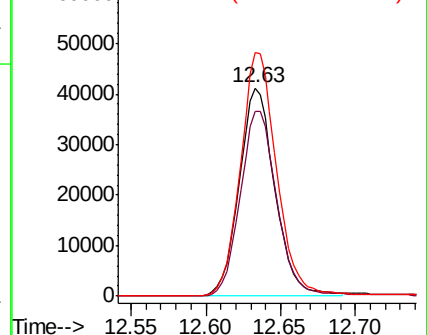
157 119.1 58.2 174.6

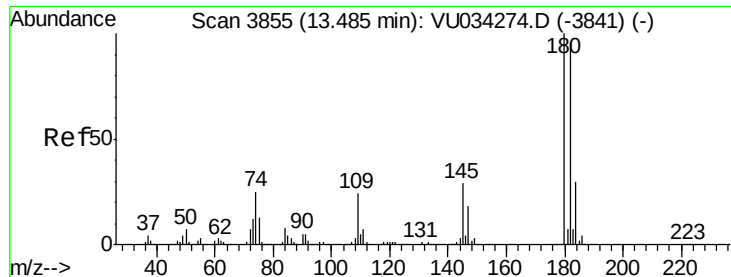


Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

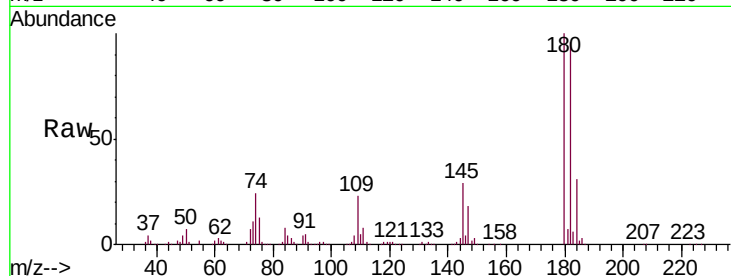




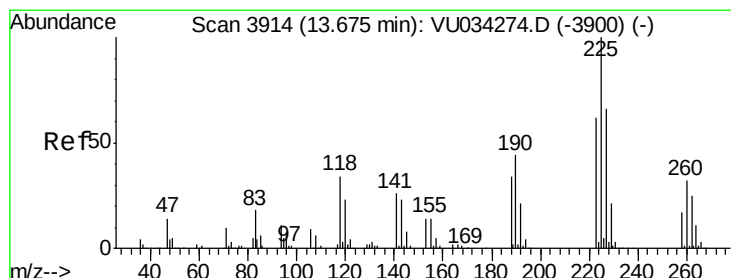
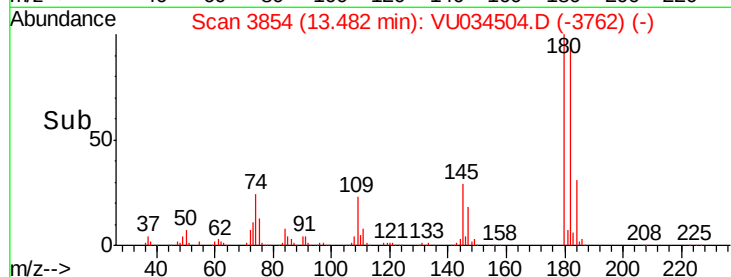
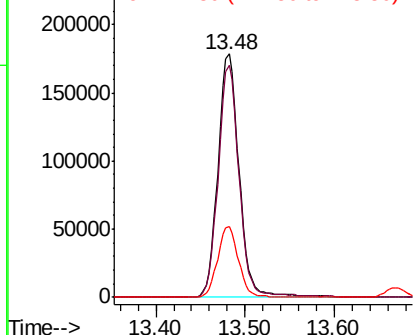
#93
 1,2,4-Trichlorobenzene
 Concen: 50.083 ug/l
 RT: 13.48 min Scan# 3854
 Delta R.T. -0.00 min
 Lab File: VU034504.D
 Acq: 12 Sep 2019 02:49

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.1	47.9	143.8
145	29.0	14.4	43.0

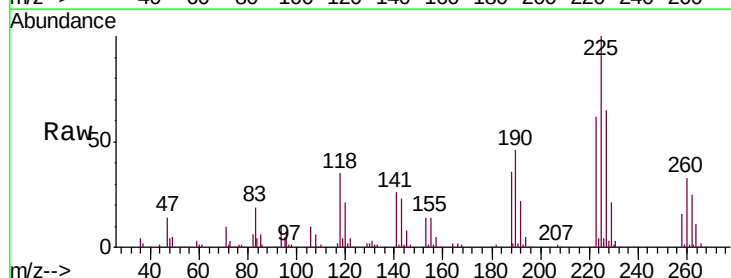


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

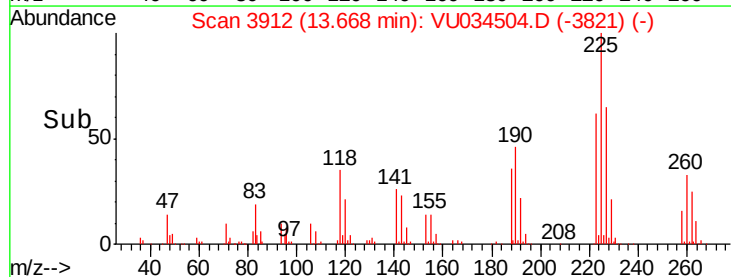
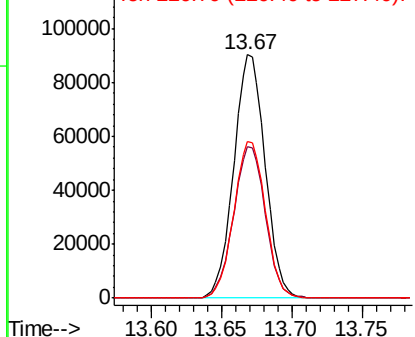


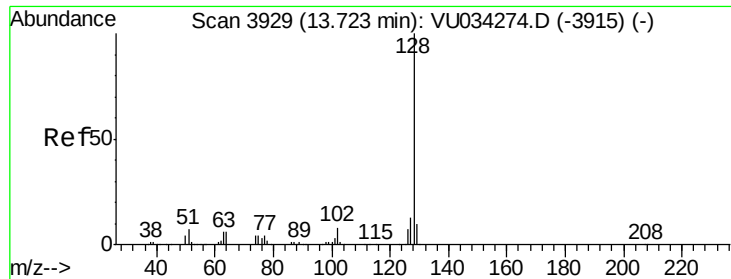
#94
 Hexachlorobutadiene
 Concen: 49.661 ug/l
 RT: 13.67 min Scan# 3912
 Delta R.T. -0.01 min
 Lab File: VU034504.D
 Acq: 12 Sep 2019 02:49

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.1	31.6	94.7
227	64.8	32.3	96.8



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

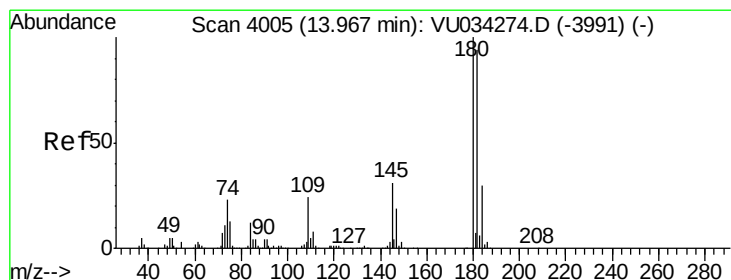
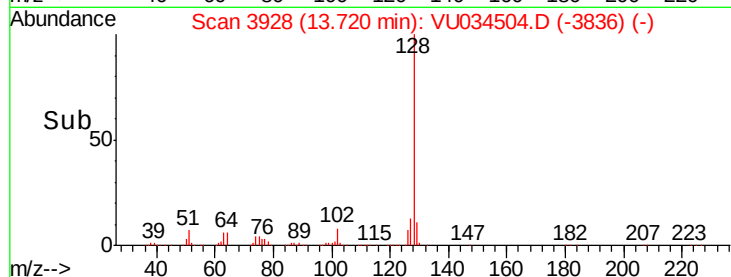
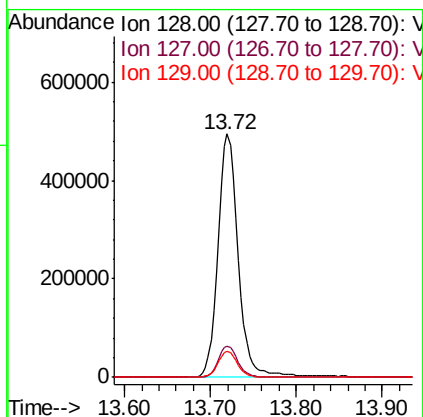
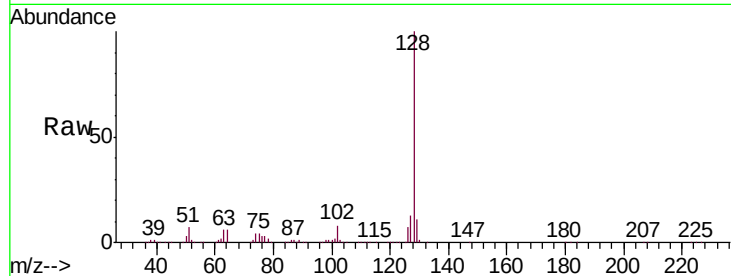




#95
Naphthalene
Concen: 49.277 ug/l
RT: 13.72 min Scan# 3928
Delta R.T. -0.00 min
Lab File: VU034504.D
Acq: 12 Sep 2019 02:49

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tgt Ion:128 Resp: 814416
Ion Ratio Lower Upper
128 100
127 12.7 10.6 15.8
129 10.1 8.4 12.6



#96
1,2,3-Trichlorobenzene
Concen: 51.771 ug/l
RT: 13.96 min Scan# 4004
Delta R.T. -0.00 min
Lab File: VU034504.D
Acq: 12 Sep 2019 02:49

Tgt Ion:180 Resp: 294408
Ion Ratio Lower Upper
180 100
182 97.4 48.4 145.0
145 30.2 15.4 46.4

