

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU090519\
 Data File : VU034243.D
 Acq On : 04 Sep 2019 09:24
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

Quant Time: Sep 05 03:34:34 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U082919W.M
 Quant Title : SW846 8260
 QLast Update : Thu Aug 29 04:11:12 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.96	168	380400	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.86	114	564746	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.07	117	545549	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.46	152	308971	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.29	65	231648	47.53	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.06%	
35) Dibromofluoromethane	4.86	113	202763	51.76	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.52%	
50) Toluene-d8	7.54	98	768870	52.42	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.84%	
62) 4-Bromofluorobenzene	10.29	95	294064	51.54	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.08%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.20	85	169762	44.373	ug/l	99
3) Chloromethane	1.32	50	206534	40.005	ug/l	100
4) Vinyl Chloride	1.40	62	217050	42.627	ug/l	98
5) Bromomethane	1.61	94	118123	47.957	ug/l	98
6) Chloroethane	1.68	64	133172	42.780	ug/l	98
7) Trichlorofluoromethane	1.87	101	271325	45.988	ug/l	99
8) Diethyl Ether	2.09	74	118124	46.801	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	2.27	101	180016	48.163	ug/l	98
10) Methyl Iodide	2.40	142	163652	30.866	ug/l	99
11) Tert butyl alcohol	2.81	59	234140	208.306	ug/l	100
12) 1,1-Dichloroethene	2.27	96	174436	45.806	ug/l	98
13) Acrolein	2.18	56	76721	162.254	ug/l	99
14) Allyl chloride	2.58	41	288706	40.322	ug/l	94
15) Acrylonitrile	2.92	53	607463	235.517	ug/l	99
16) Acetone	2.31	43	647220	260.237	ug/l	98
17) Carbon Disulfide	2.46	76	468725	38.890	ug/l	99
18) Methyl Acetate	2.60	43	286631	44.598	ug/l	100
19) Methyl tert-butyl Ether	2.98	73	594784	47.668	ug/l	99
20) Methylene Chloride	2.68	84	212013	45.030	ug/l	98
21) trans-1,2-Dichloroethene	2.96	96	187265	45.310	ug/l	99
22) Diisopropyl ether	3.55	45	633171	48.260	ug/l	99
23) Vinyl Acetate	3.50	43	2655986	235.656	ug/l	99
24) 1,1-Dichloroethane	3.42	63	359235	46.377	ug/l	99
25) 2-Butanone	4.23	43	858460	248.100	ug/l	99
26) 2,2-Dichloropropane	4.20	77	299277	47.482	ug/l	99
27) cis-1,2-Dichloroethene	4.20	96	214245	46.184	ug/l	98
28) Bromochloromethane	4.52	49	189802	49.735	ug/l	97
29) Tetrahydrofuran	4.61	42	503730	236.065	ug/l	99
30) Chloroform	4.65	83	353204	45.702	ug/l	98
31) Cyclohexane	4.97	56	303110	41.644	ug/l	98
32) 1,1,1-Trichloroethane	4.89	97	294026	46.452	ug/l	99
36) 1,1-Dichloropropene	5.11	75	255824	47.891	ug/l	100
37) Ethyl Acetate	4.35	43	286027	47.816	ug/l	100
38) Carbon Tetrachloride	5.11	117	252780	49.024	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.40	83	302520	48.050	ug/l	99
40) Benzene	5.37	78	787120	48.703	ug/l	100
41) Methacrylonitrile	4.52	41	157744	51.419	ug/l	99
42) 1,2-Dichloroethane	5.38	62	266421	47.738	ug/l	98
43) Isopropyl Acetate	5.53	43	439226	48.264	ug/l	100
44) Trichloroethene	6.16	130	210761	49.660	ug/l	98
45) 1,2-Dichloropropane	6.41	63	221797	49.854	ug/l	99
46) Dibromomethane	6.54	93	142805	49.822	ug/l	99
47) Bromodichloromethane	6.74	83	283573	50.567	ug/l	100
48) Methyl methacrylate	6.60	41	215415	49.053	ug/l	97
49) 1,4-Dioxane	6.59	88	102060	927.564	ug/l	99
51) 4-Methyl-2-Pentanone	7.44	43	1508314	239.993	ug/l	99
52) Toluene	7.62	92	497940	50.014	ug/l	100
53) t-1,3-Dichloropropene	7.86	75	307131	49.359	ug/l	99
54) cis-1,3-Dichloropropene	7.25	75	343159	50.479	ug/l	97
55) 1,1,2-Trichloroethane	8.05	97	213057	50.592	ug/l	99
56) Ethyl methacrylate	8.00	69	309072	44.357	ug/l	98
57) 1,3-Dichloropropane	8.22	76	350242	48.981	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.11	63	588548	252.617	ug/l	99
59) 2-Hexanone	8.34	43	1190213	250.862	ug/l	100
60) Dibromochloromethane	8.46	129	227395	50.303	ug/l	99
61) 1,2-Dibromoethane	8.57	107	216310	48.760	ug/l	100
64) Tetrachloroethene	8.21	164	187561	51.194	ug/l	99
65) Chlorobenzene	9.10	112	549197	48.918	ug/l	99
66) 1,1,1,2-Tetrachloroethane	9.19	131	200232	49.185	ug/l	99
67) Ethyl Benzene	9.23	91	945862	49.701	ug/l	99
68) m/p-Xylenes	9.36	106	747098	103.243	ug/l	99
69) o-Xylene	9.76	106	348016	50.128	ug/l	99
70) Styrene	9.77	104	634772	53.325	ug/l	99
71) Bromoform	9.94	173	175421	49.596	ug/l #	99
73) Isopropylbenzene	10.15	105	965209	46.508	ug/l	100
74) N-amyl acetate	9.99	43	402958	46.165	ug/l	99
75) 1,1,2,2-Tetrachloroethane	10.44	83	353775	44.537	ug/l	100
76) 1,2,3-Trichloropropane	10.48	75	394225	56.612	ug/l	86
77) Bromobenzene	10.43	156	252903	45.301	ug/l	99
78) n-propylbenzene	10.57	91	1146688	47.444	ug/l	100
79) 2-Chlorotoluene	10.64	91	669595	46.189	ug/l	99
80) 1,3,5-Trimethylbenzene	10.75	105	851796	48.426	ug/l	100
81) trans-1,4-Dichloro-2-buten	10.48	75	394225	190.625	ug/l #	100
82) 4-Chlorotoluene	10.75	91	789665	47.363	ug/l	99
83) tert-Butylbenzene	11.08	119	793239	45.810	ug/l	99
84) 1,2,4-Trimethylbenzene	11.13	105	855909	49.003	ug/l	99
85) sec-Butylbenzene	11.31	105	986475	47.532	ug/l	100
86) p-Isopropyltoluene	11.46	119	924444	49.250	ug/l	100
87) 1,3-Dichlorobenzene	11.40	146	475071	48.067	ug/l	100
88) 1,4-Dichlorobenzene	11.49	146	478027	47.825	ug/l	100
89) n-Butylbenzene	11.87	91	835208	50.469	ug/l	100
90) Hexachloroethane	12.12	117	141782	43.689	ug/l	99
91) 1,2-Dichlorobenzene	11.86	146	462665	48.868	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.64	75	71169	44.973	ug/l	97

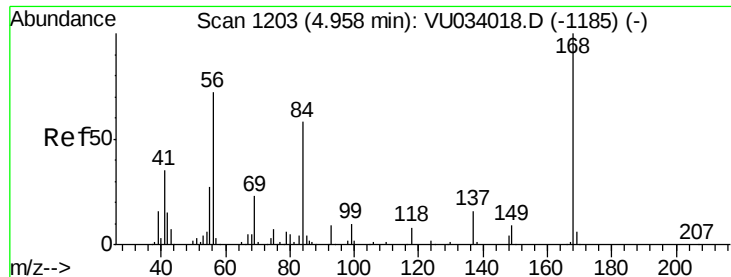
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU090519\
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.49	180	322982	48.007	ug/l	99
94) Hexachlorobutadiene	13.67	225	166663	45.000	ug/l	98
95) Naphthalene	13.72	128	874565	45.515	ug/l	99
96) 1,2,3-Trichlorobenzene	13.97	180	321516	53.013	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.96 min Scan# 1203

Delta R.T. 0.00 min

Lab File: VU034243.D

Acq: 04 Sep 2019 09:24

Instrument :

MSVOA_U

ClientSampleId :

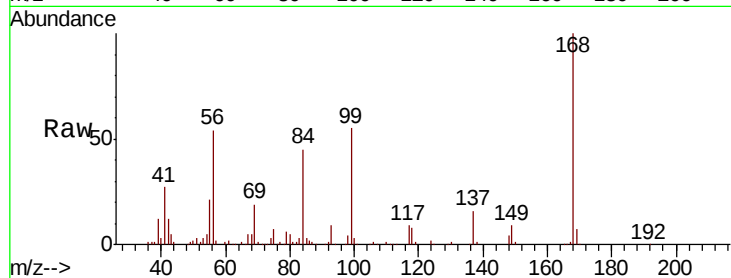
VSTDCCC050

Tgt Ion:168 Resp: 380400

Ion Ratio Lower Upper

168 100

99 54.1 42.3 63.5



Abundance Ion 167.90 (167.60 to 168.60): VU034018.D (-1185) (-)

Ion 98.90 (98.60 to 99.60): VU034018.D (-1185) (-)

4.96

150000

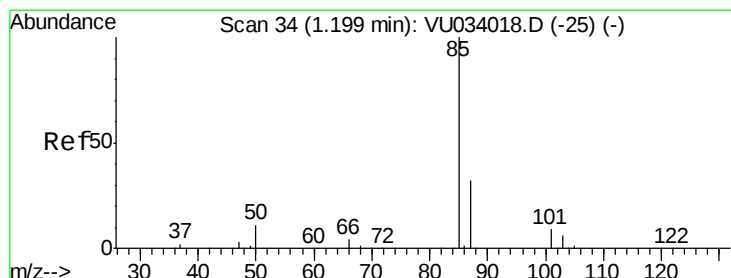
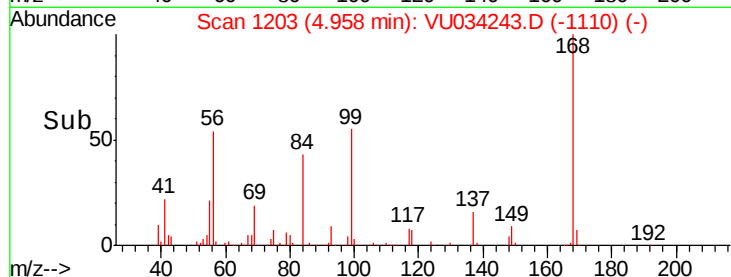
100000

50000

0

4.90 5.00 5.10

Time-->



#2

Dichlorodifluoromethane

Concen: 44.373 ug/l

RT: 1.20 min Scan# 34

Delta R.T. 0.00 min

Lab File: VU034243.D

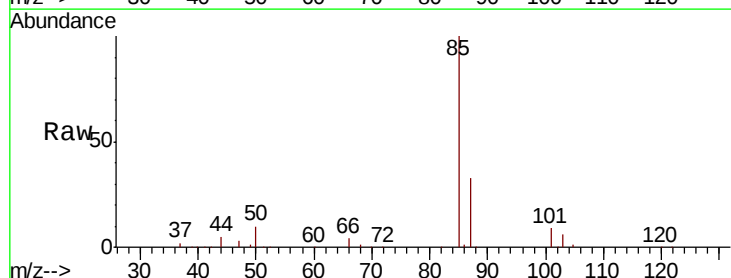
Acq: 04 Sep 2019 09:24

Tgt Ion: 85 Resp: 169762

Ion Ratio Lower Upper

85 100

87 32.8 16.1 48.3



Abundance Ion 84.90 (84.60 to 85.60): VU034018.D (-25) (-)

Ion 86.90 (86.60 to 87.60): VU034018.D (-25) (-)

1.20

150000

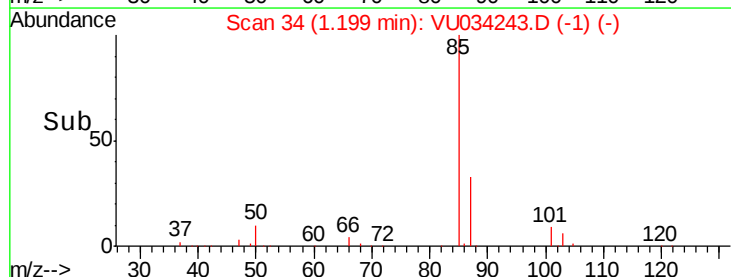
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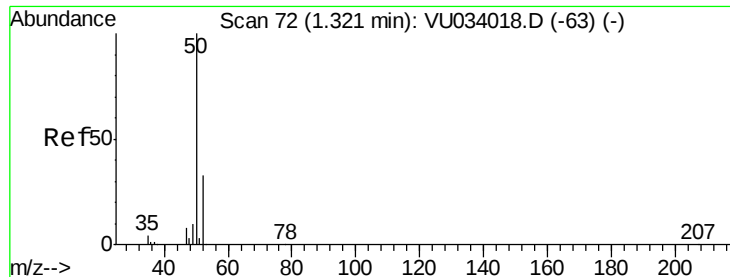
50000

0

1.15 1.20 1.25

Time-->





#3

Chloromethane

Concen: 40.005 ug/l

RT: 1.32 min Scan# 72

Delta R.T. 0.00 min

Lab File: VU034243.D

Acq: 04 Sep 2019 09:24

Instrument :

MSVOA_U

ClientSampleId :

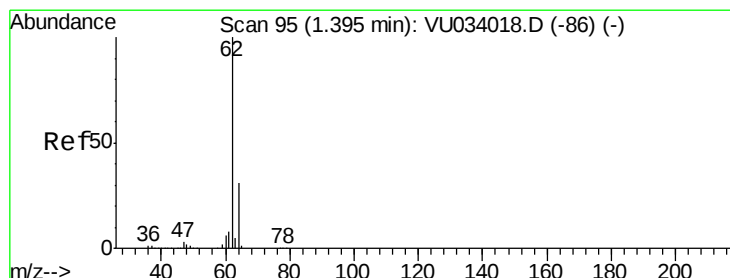
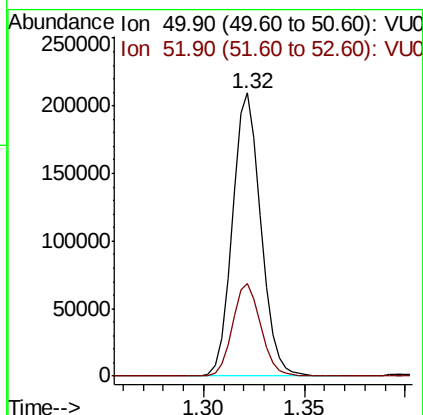
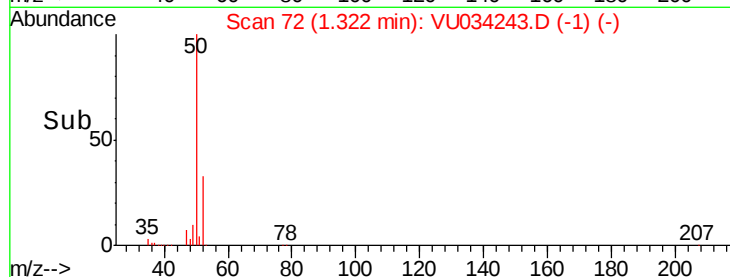
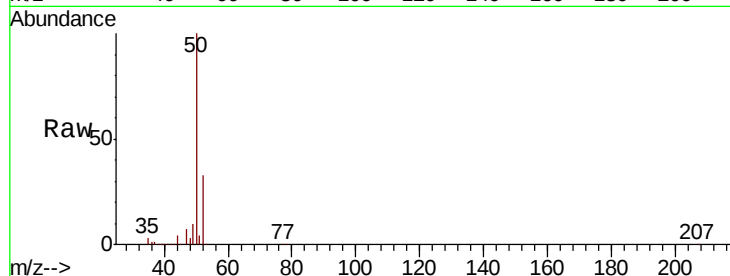
VSTDCCC050

Tgt Ion: 50 Resp: 206534

Ion Ratio Lower Upper

50 100

52 32.8 26.2 39.4



#4

Vinyl Chloride

Concen: 42.627 ug/l

RT: 1.40 min Scan# 95

Delta R.T. 0.00 min

Lab File: VU034243.D

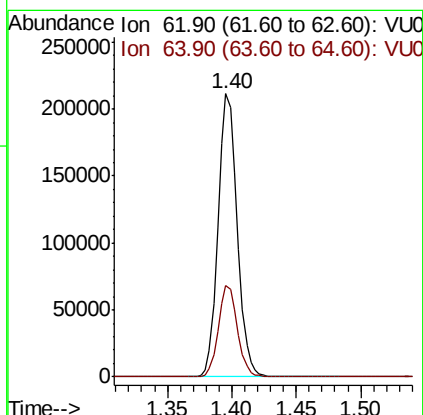
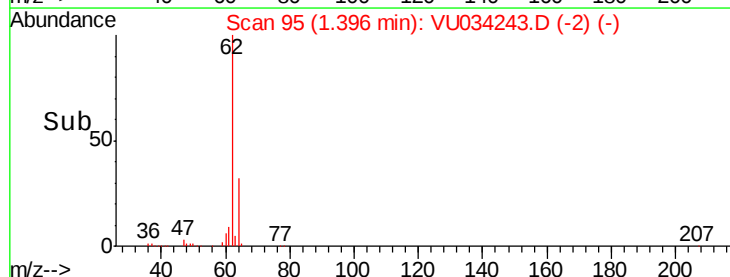
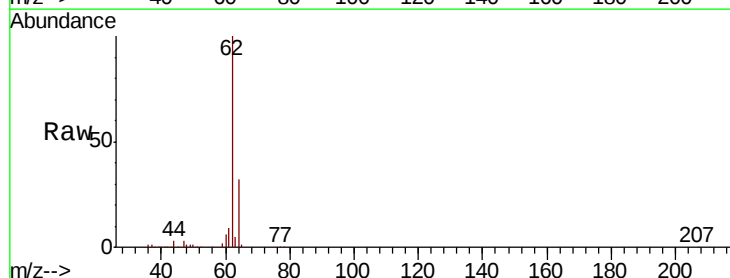
Acq: 04 Sep 2019 09:24

Tgt Ion: 62 Resp: 217050

Ion Ratio Lower Upper

62 100

64 32.2 25.0 37.6





#5

Bromomethane

Concen: 47.957 ug/l

RT: 1.61 min Scan# 161

Delta R.T. 0.01 min

Lab File: VU034243.D

Acq: 04 Sep 2019 09:24

Instrument :

MSVOA_U

ClientSampleId :

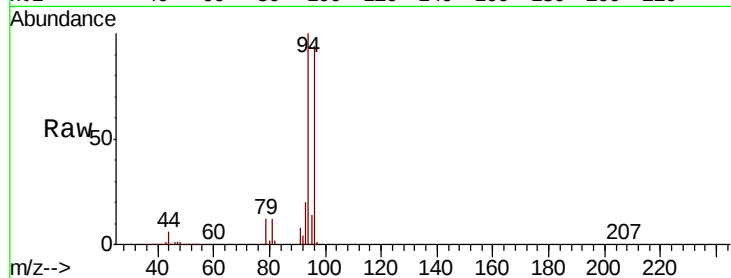
VSTDCCC050

Tgt Ion: 94 Resp: 118123

Ion Ratio Lower Upper

94 100

96 93.5 76.3 114.5



Abundance Ion 93.90 (93.60 to 94.60): VU034018.D (-143) (-)

Ion 95.90 (95.60 to 96.60): VU034018.D (-143) (-)

1.61

100000

80000

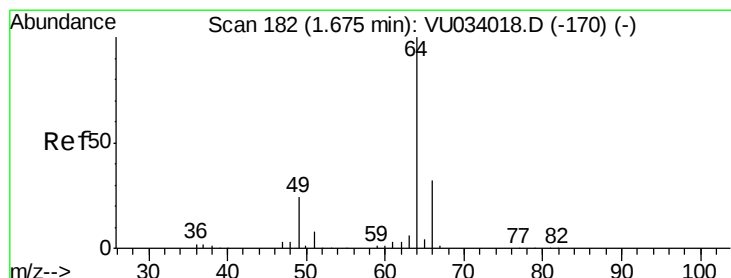
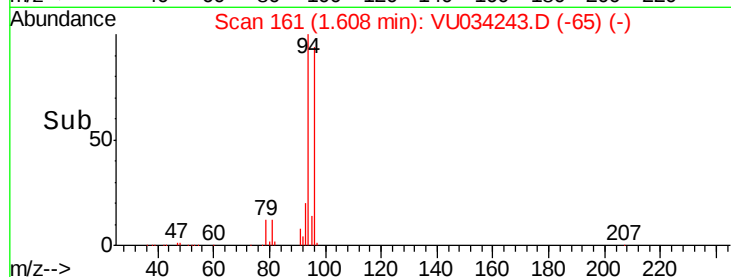
60000

40000

20000

0

Time--> 1.50 1.60 1.70



#6

Chloroethane

Concen: 42.780 ug/l

RT: 1.68 min Scan# 185

Delta R.T. 0.01 min

Lab File: VU034243.D

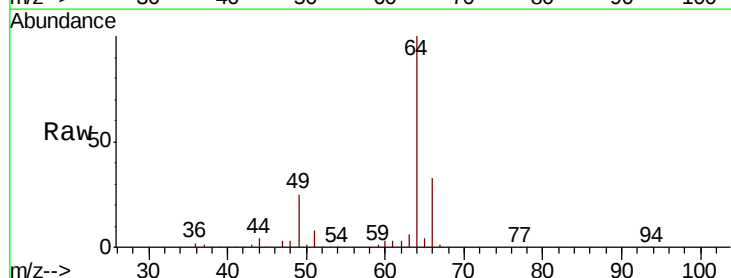
Acq: 04 Sep 2019 09:24

Tgt Ion: 64 Resp: 133172

Ion Ratio Lower Upper

64 100

66 33.0 25.5 38.3



Abundance Ion 63.90 (63.60 to 64.60): VU034018.D (-170) (-)

Ion 65.90 (65.60 to 66.60): VU034018.D (-170) (-)

1.68

120000

100000

80000

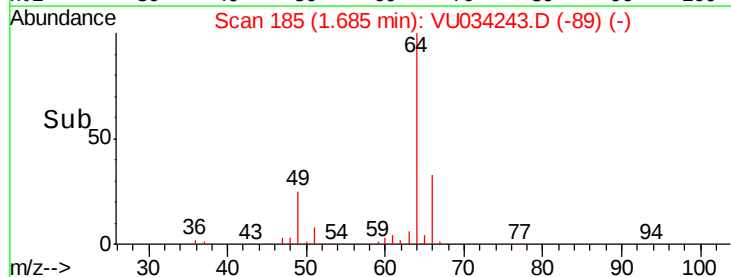
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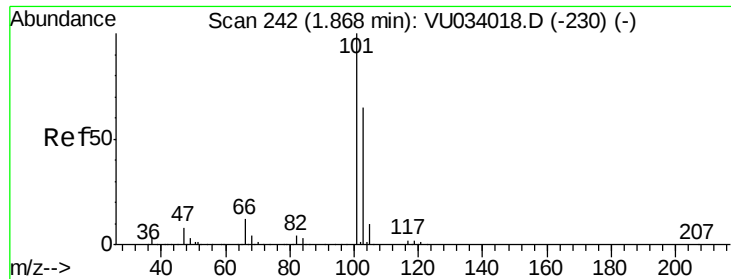
40000

20000

0

Time--> 1.60 1.65 1.70 1.75



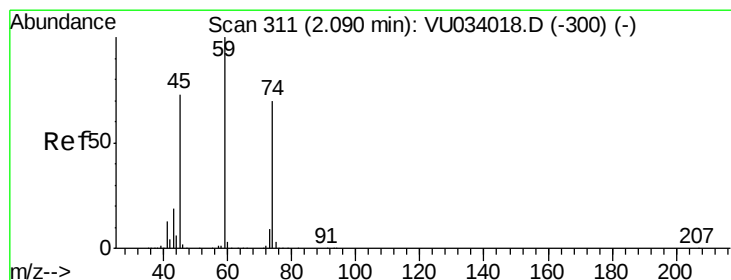
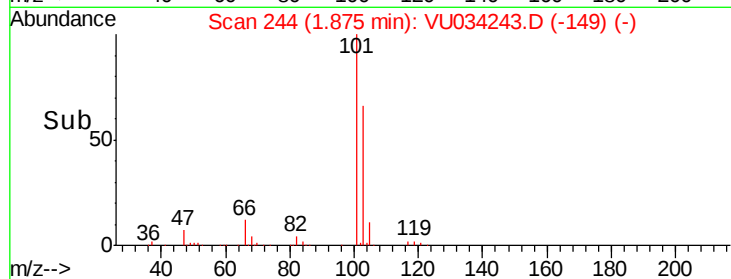
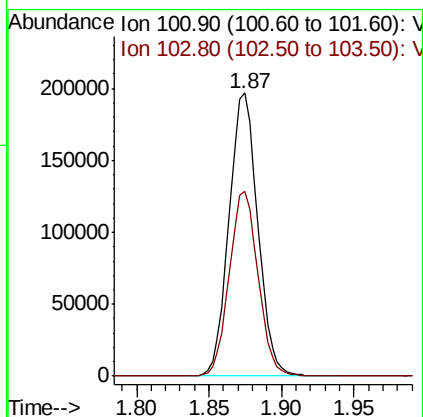
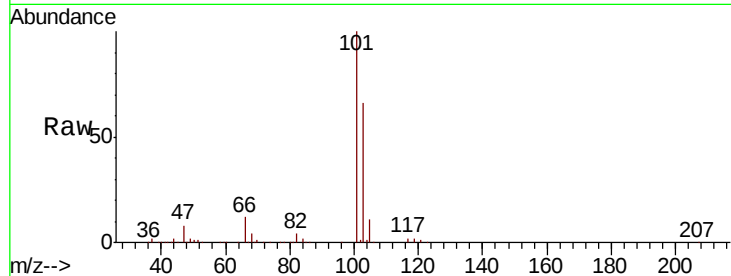


#7

Trichlorofluoromethane
 Concen: 45.988 ug/l
 RT: 1.87 min Scan# 244
 Delta R.T. 0.01 min
 Lab File: VU034243.D
 Acq: 04 Sep 2019 09:24

Instrument :
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 ClientSampleId :
 VSTDCCC050

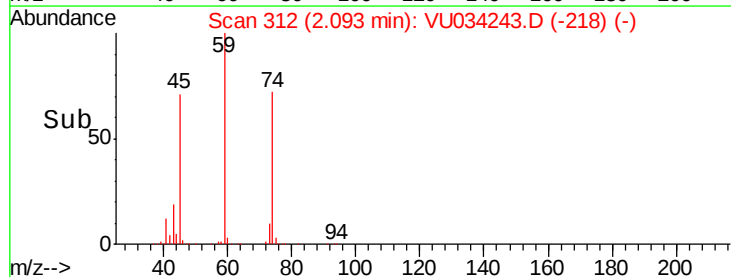
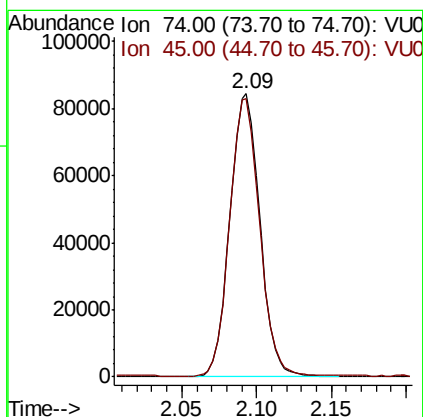
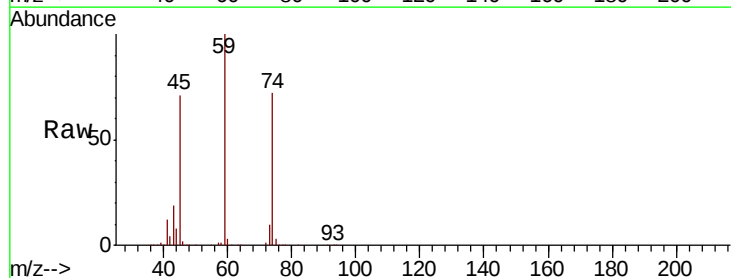
Tgt Ion: 101 Resp: 271325
 Ion Ratio Lower Upper
 101 100
 103 65.5 52.1 78.1



#8

Diethyl Ether
 Concen: 46.801 ug/l
 RT: 2.09 min Scan# 312
 Delta R.T. 0.00 min
 Lab File: VU034243.D
 Acq: 04 Sep 2019 09:24

Tgt Ion: 74 Resp: 118124
 Ion Ratio Lower Upper
 74 100
 45 97.8 51.8 155.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 48.163 ug/l

RT: 2.27 min Scan# 368

Delta R.T. 0.00 min

Lab File: VU034243.D

Acq: 04 Sep 2019 09:24

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

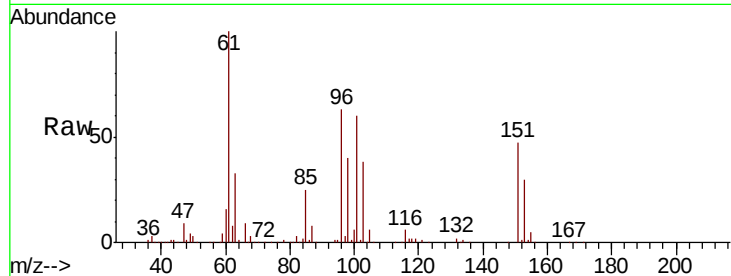
Tgt Ion:101 Resp: 180016

Ion Ratio Lower Upper

101 100

85 42.8 34.2 51.2

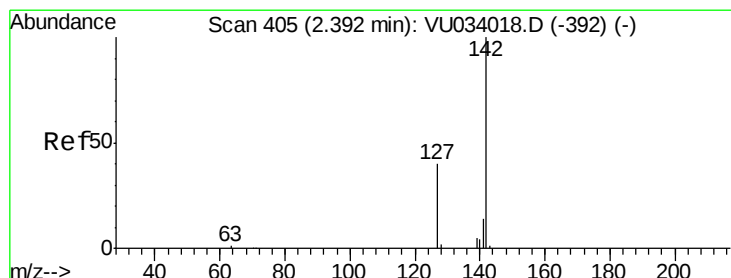
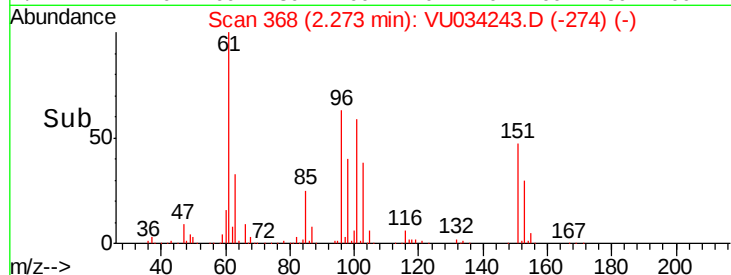
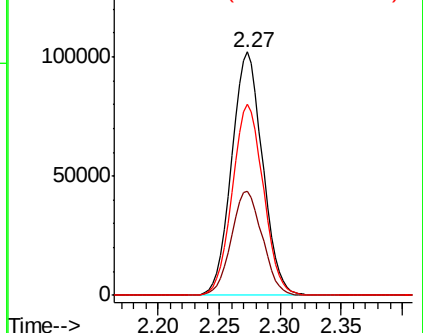
151 78.9 61.4 92.2



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: 30.866 ug/l

RT: 2.40 min Scan# 406

Delta R.T. 0.00 min

Lab File: VU034243.D

Acq: 04 Sep 2019 09:24

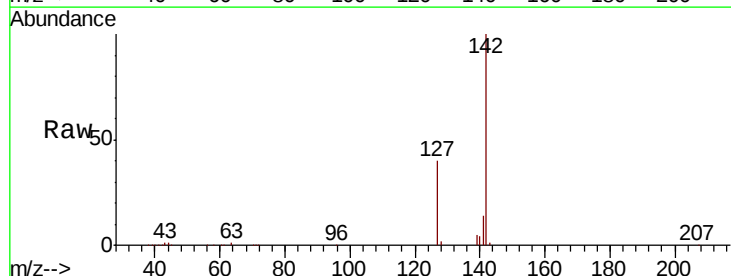
Tgt Ion:142 Resp: 163652

Ion Ratio Lower Upper

142 100

127 40.0 32.6 48.8

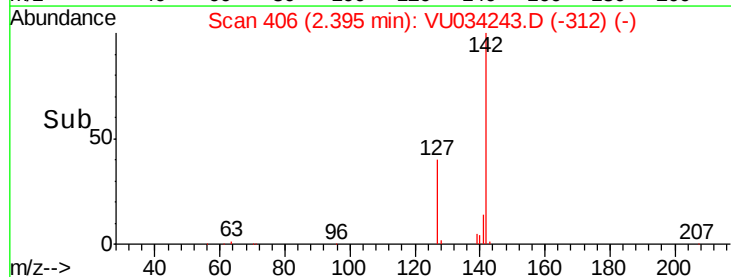
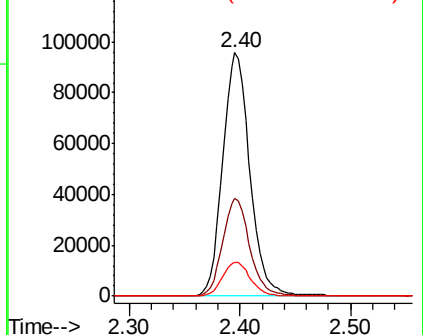
141 14.3 11.3 16.9

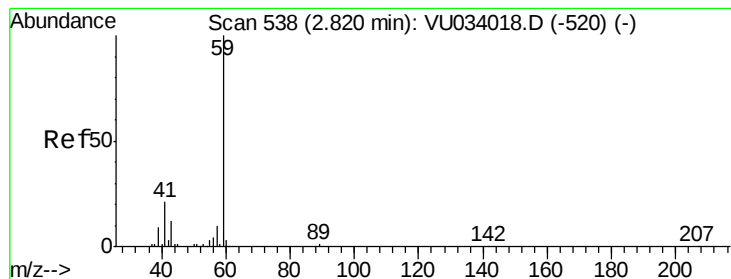


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



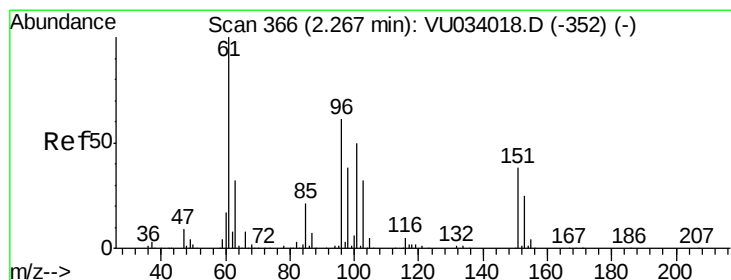
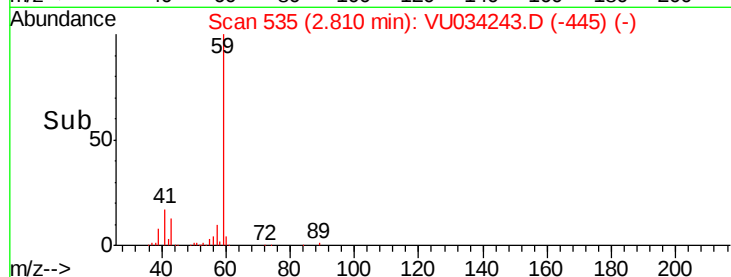
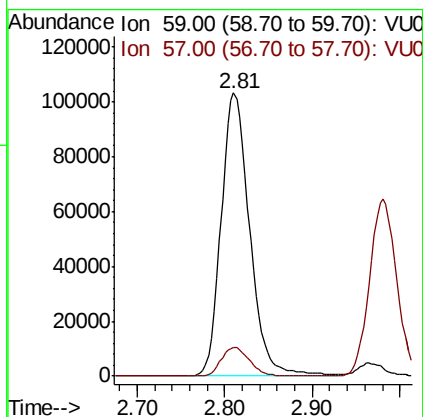
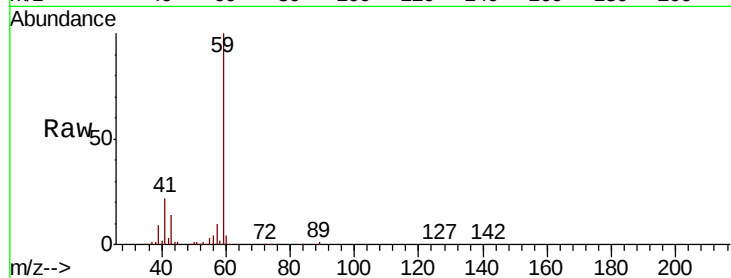


#11

Tert butyl alcohol
 Concen: 208.306 ug/l
 RT: 2.81 min Scan# 535
 Delta R.T. -0.01 min
 Lab File: VU034243.D
 Acq: 04 Sep 2019 09:24

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

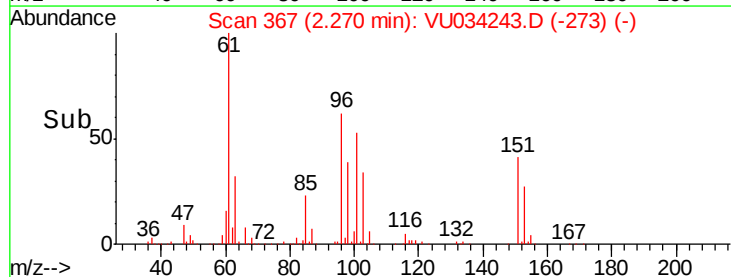
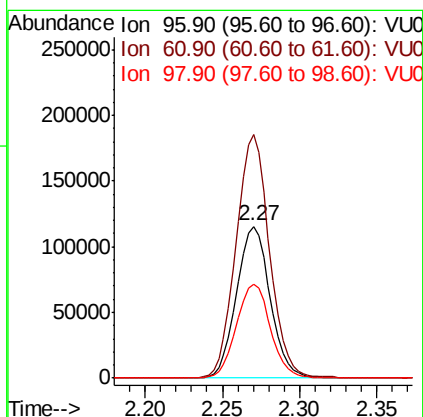
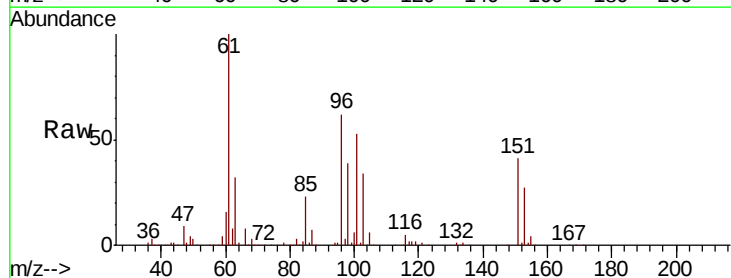
Tgt Ion: 59 Resp: 234140
 Ion Ratio Lower Upper
 59 100
 57 10.1 8.0 12.0

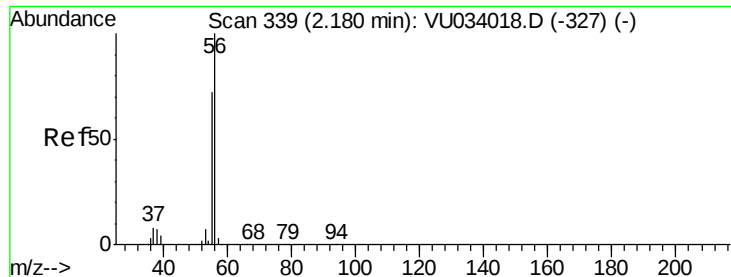


#12

1,1-Dichloroethene
 Concen: 45.806 ug/l
 RT: 2.27 min Scan# 367
 Delta R.T. 0.00 min
 Lab File: VU034243.D
 Acq: 04 Sep 2019 09:24

Tgt Ion: 96 Resp: 174436
 Ion Ratio Lower Upper
 96 100
 61 160.7 131.3 196.9
 98 62.2 50.3 75.5





#13

Acrolein

Concen: 162.254 ug/l

RT: 2.18 min Scan# 340

Delta R.T. 0.00 min

Lab File: VU034243.D

Acq: 04 Sep 2019 09:24

Instrument :

MSVOA_U

ClientSampleId :

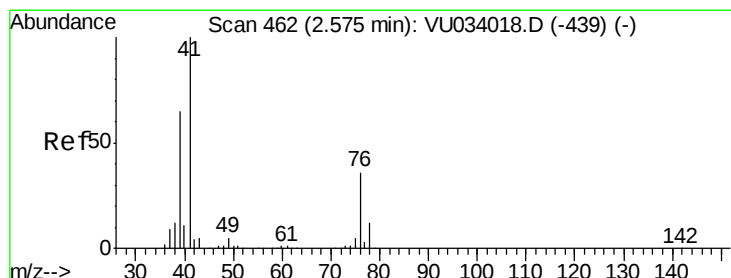
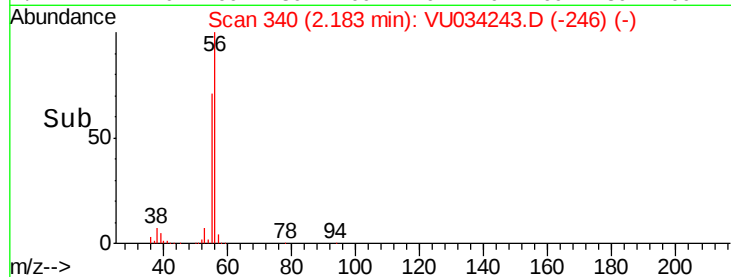
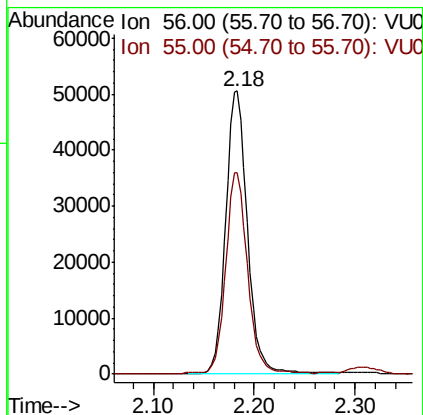
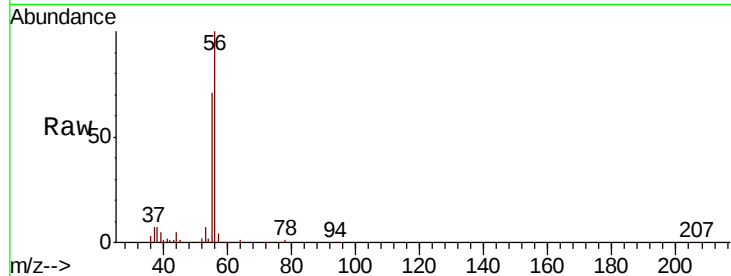
VSTDCCC050

Tgt Ion: 56 Resp: 76721

Ion Ratio Lower Upper

56 100

55 70.2 57.1 85.7



#14

Allyl chloride

Concen: 40.322 ug/l

RT: 2.58 min Scan# 462

Delta R.T. 0.00 min

Lab File: VU034243.D

Acq: 04 Sep 2019 09:24

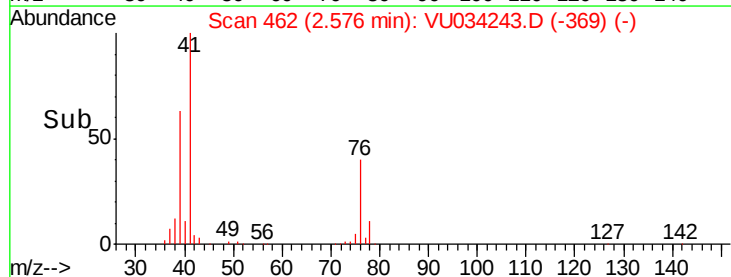
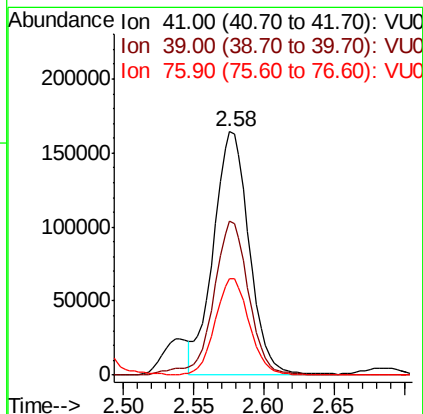
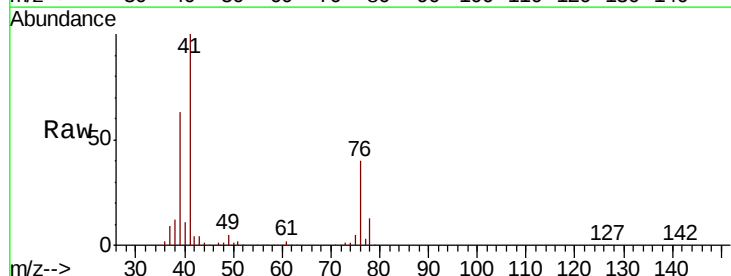
Tgt Ion: 41 Resp: 288706

Ion Ratio Lower Upper

41 100

39 62.6 46.8 70.2

76 37.5 26.6 40.0





#15

Acrylonitrile

Concen: 235.517 ug/l

RT: 2.92 min Scan# 568

Delta R.T. 0.00 min

Lab File: VU034243.D

Acq: 04 Sep 2019 09:24

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

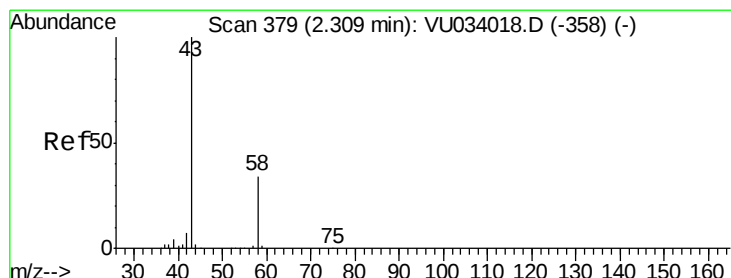
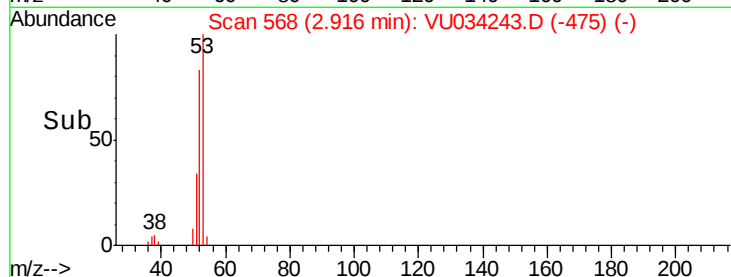
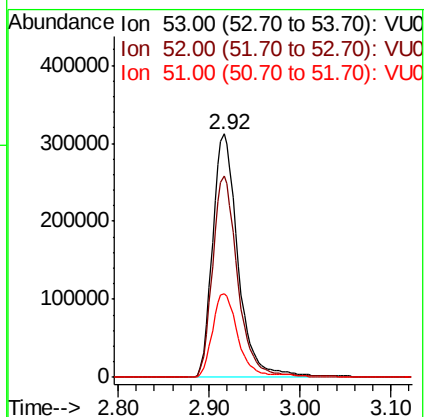
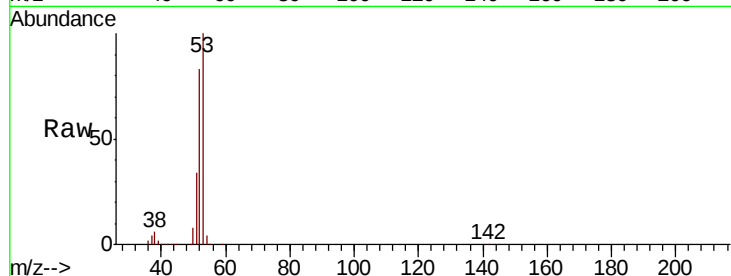
Tgt Ion: 53 Resp: 607463

Ion Ratio Lower Upper

53 100

52 81.5 65.7 98.5

51 35.3 27.9 41.9



#16

Acetone

Concen: 260.237 ug/l

RT: 2.31 min Scan# 379

Delta R.T. 0.00 min

Lab File: VU034243.D

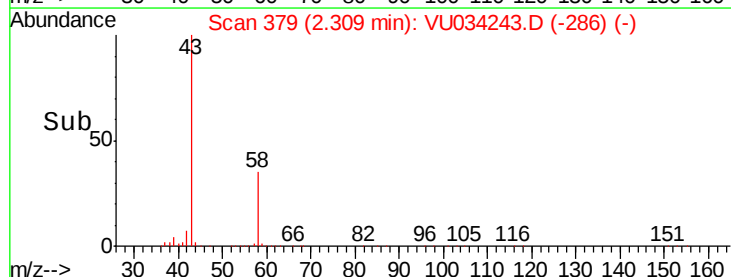
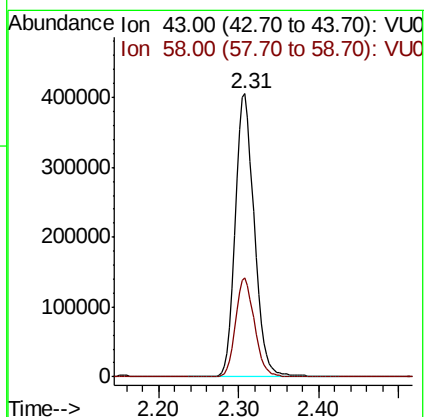
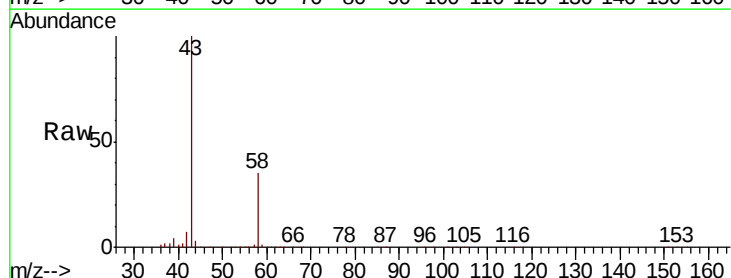
Acq: 04 Sep 2019 09:24

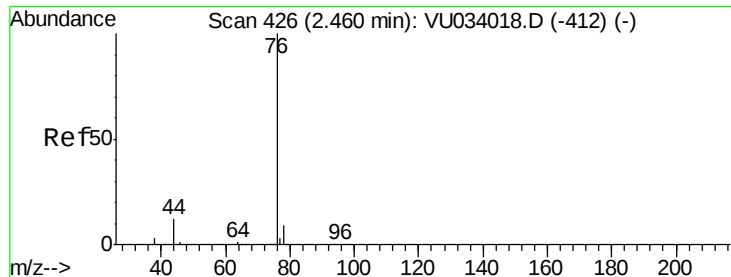
Tgt Ion: 43 Resp: 647220

Ion Ratio Lower Upper

43 100

58 34.8 26.8 40.2

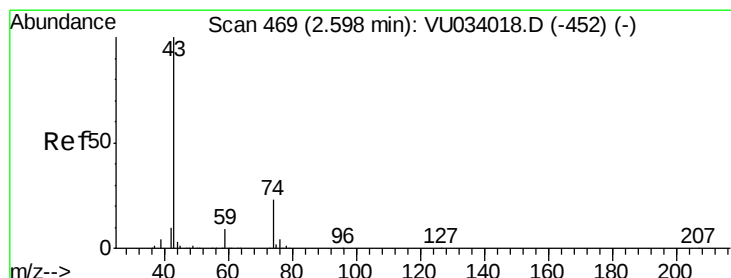
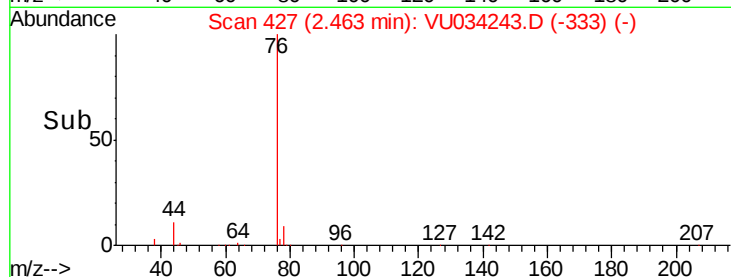
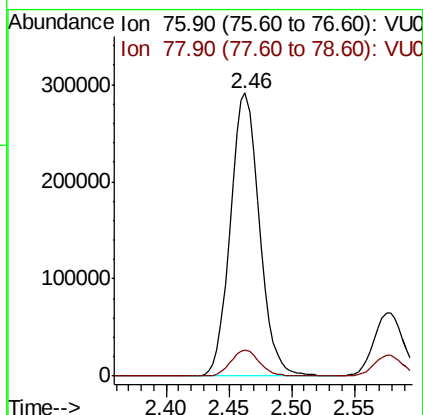
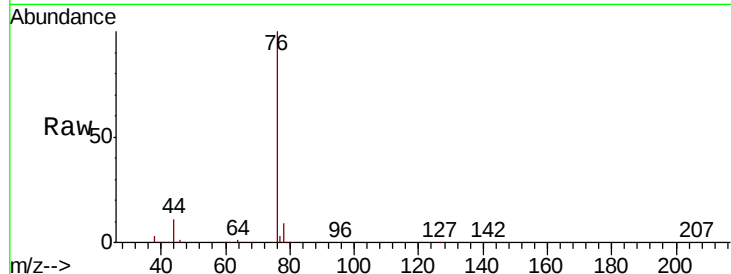




#17
Carbon Disulfide
Concen: 38.890 ug/l
RT: 2.46 min Scan# 427
Delta R.T. 0.00 min
Lab File: VU034243.D
Acq: 04 Sep 2019 09:24

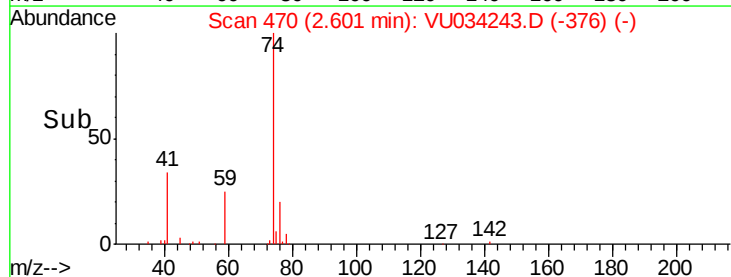
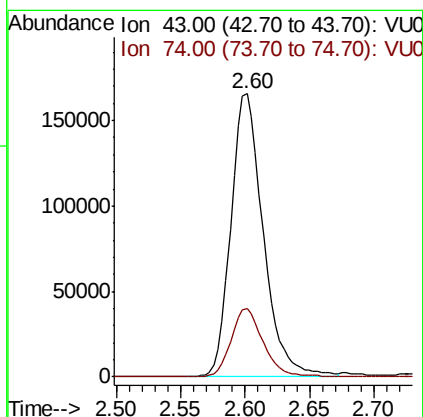
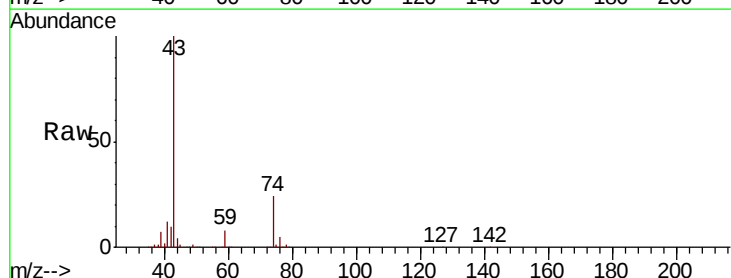
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

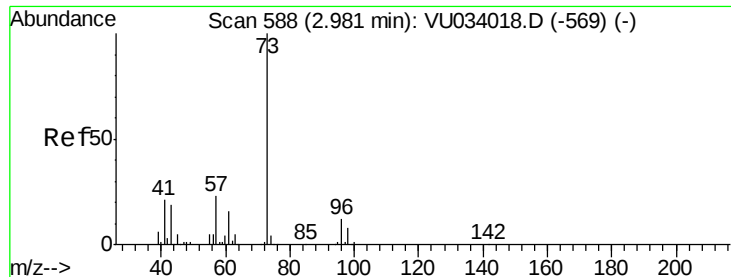
Tgt Ion: 76 Resp: 468725
Ion Ratio Lower Upper
76 100
78 9.1 7.1 10.7



#18
Methyl Acetate
Concen: 44.598 ug/l
RT: 2.60 min Scan# 470
Delta R.T. 0.00 min
Lab File: VU034243.D
Acq: 04 Sep 2019 09:24

Tgt Ion: 43 Resp: 286631
Ion Ratio Lower Upper
43 100
74 24.2 19.2 28.8

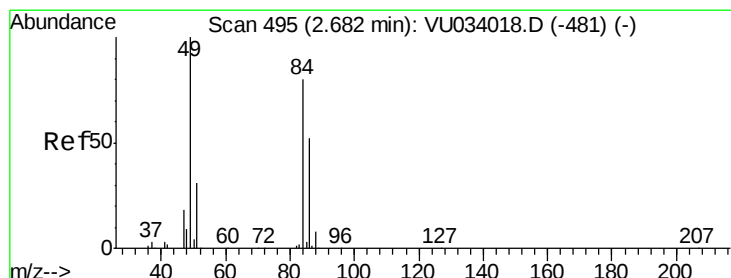
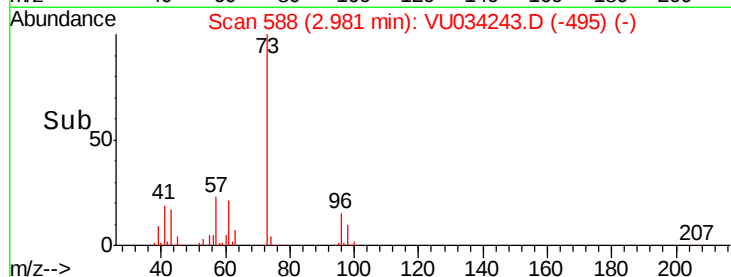
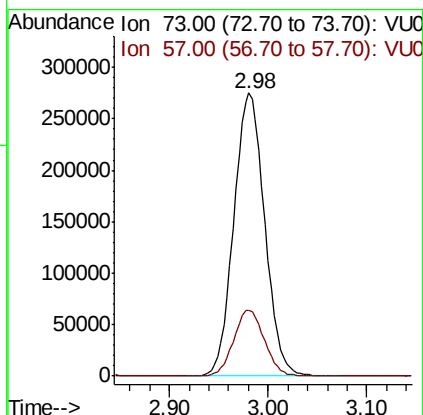
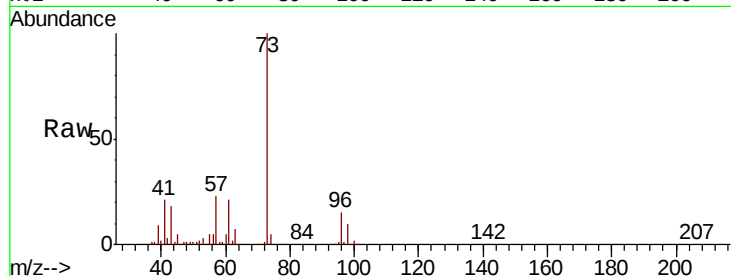




#19
Methyl tert-butyl Ether
Concen: 47.668 ug/l
RT: 2.98 min Scan# 588
Delta R.T. 0.00 min
Lab File: VU034243.D
Acq: 04 Sep 2019 09:24

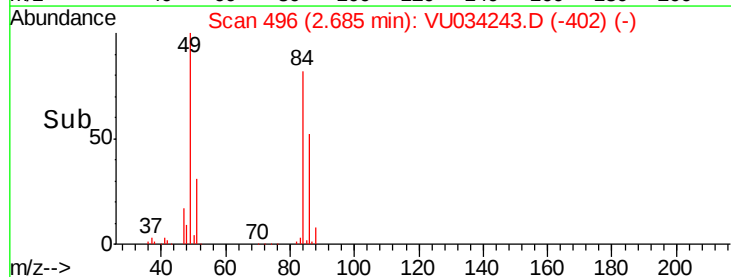
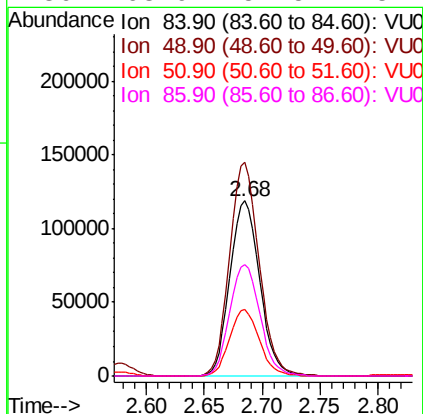
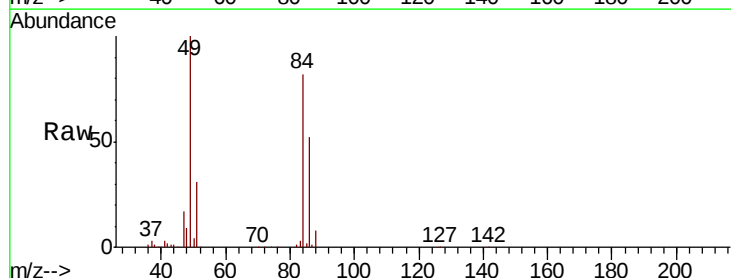
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

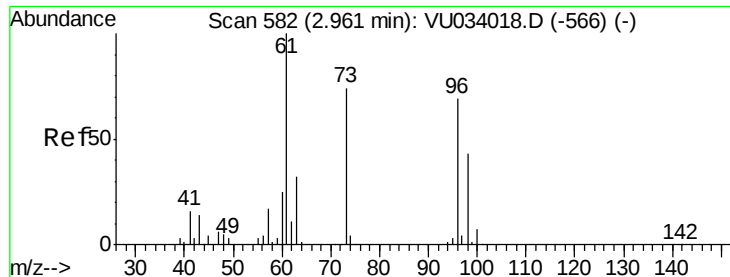
Tgt Ion: 73 Resp: 594784
Ion Ratio Lower Upper
73 100
57 23.4 18.3 27.5



#20
Methylene Chloride
Concen: 45.030 ug/l
RT: 2.68 min Scan# 495
Delta R.T. 0.00 min
Lab File: VU034243.D
Acq: 04 Sep 2019 09:24

Tgt Ion: 84 Resp: 212013
Ion Ratio Lower Upper
84 100
49 121.9 100.2 150.4
51 37.7 30.8 46.2
86 63.9 52.5 78.7





#21

trans-1,2-Dichloroethene

Concen: 45.310 ug/l

RT: 2.96 min Scan# 583

Delta R.T. 0.00 min

Lab File: VU034243.D

Acq: 04 Sep 2019 09:24

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

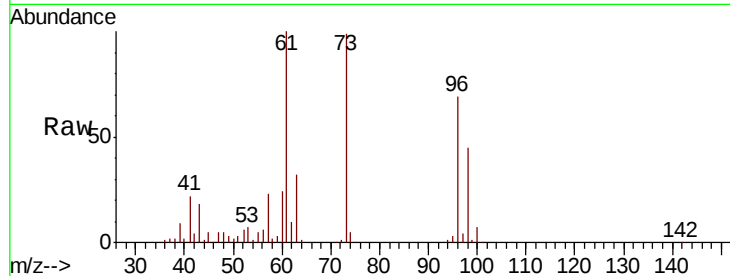
Tgt Ion: 96 Resp: 187265

Ion Ratio Lower Upper

96 100

61 144.4 115.5 173.3

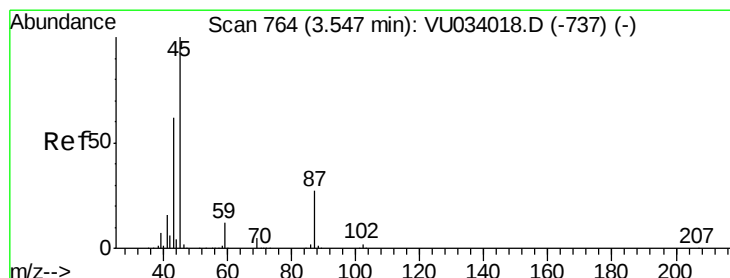
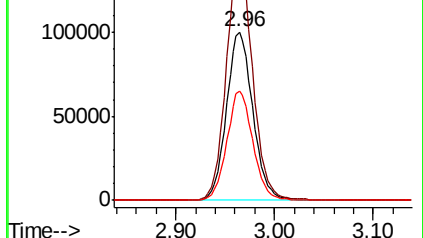
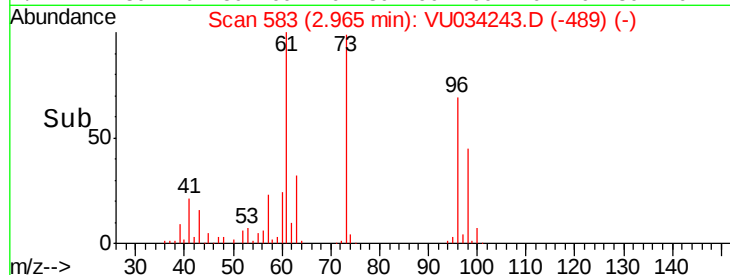
98 65.0 50.1 75.1



Abundance Ion 95.90 (95.60 to 96.60): VU034243.D (-489) (-)

Ion 60.90 (60.60 to 61.60): VU034243.D (-489) (-)

Ion 97.90 (97.60 to 98.60): VU034243.D (-489) (-)



#22

Diisopropyl ether

Concen: 48.260 ug/l

RT: 3.55 min Scan# 764

Delta R.T. 0.00 min

Lab File: VU034243.D

Acq: 04 Sep 2019 09:24

Tgt Ion: 45 Resp: 633171

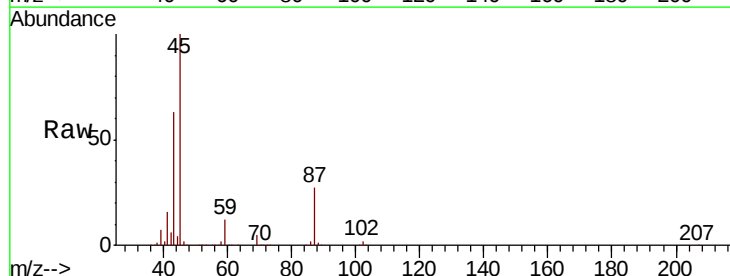
Ion Ratio Lower Upper

45 100

43 62.9 49.7 74.5

87 27.3 21.8 32.8

59 12.1 9.3 13.9

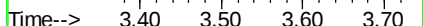
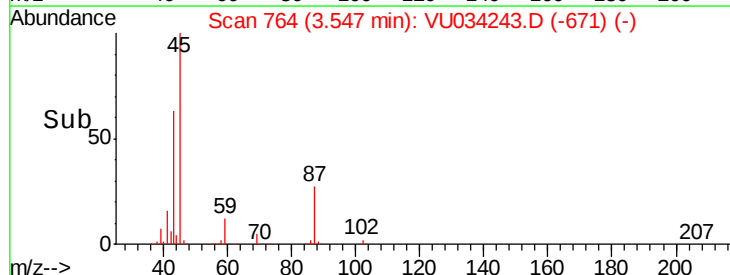


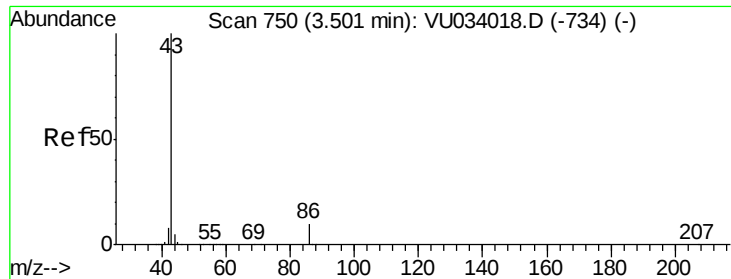
Abundance Ion 45.00 (44.70 to 45.70): VU034243.D (-671) (-)

Ion 43.00 (42.70 to 43.70): VU034243.D (-671) (-)

Ion 87.00 (86.70 to 87.70): VU034243.D (-671) (-)

Ion 59.00 (58.70 to 59.70): VU034243.D (-671) (-)





#23

Vinyl Acetate

Concen: 235.656 ug/l

RT: 3.50 min Scan# 750

Delta R.T. 0.00 min

Lab File: VU034243.D

Acq: 04 Sep 2019 09:24

Instrument :

MSVOA_U

ClientSampleId :

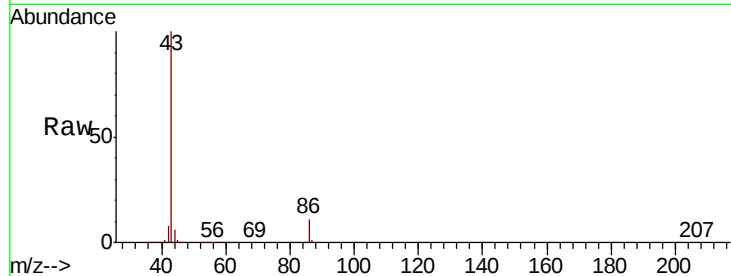
VSTDCCC050

Tgt Ion: 43 Resp: 2655986

Ion Ratio Lower Upper

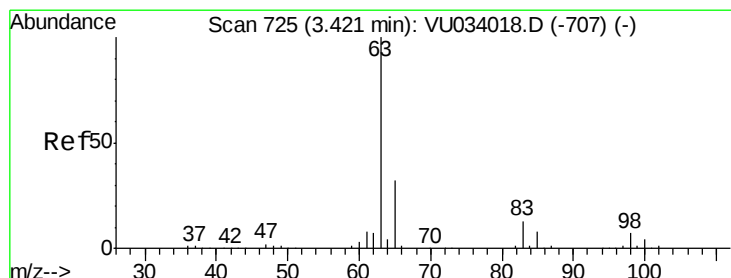
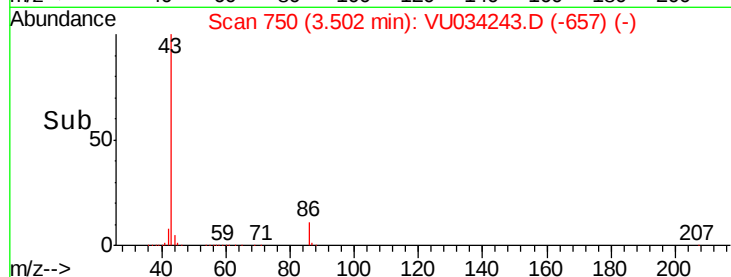
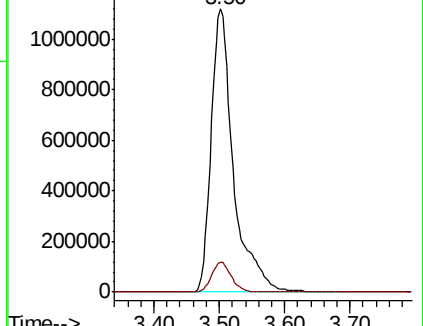
43 100

86 10.6 8.3 12.5



Abundance Ion 43.00 (42.70 to 43.70): VU034018.D (-734) (-)

Ion 86.00 (85.70 to 86.70): VU034018.D (-734) (-)



#24

1,1-Dichloroethane

Concen: 46.377 ug/l

RT: 3.42 min Scan# 726

Delta R.T. 0.00 min

Lab File: VU034243.D

Acq: 04 Sep 2019 09:24

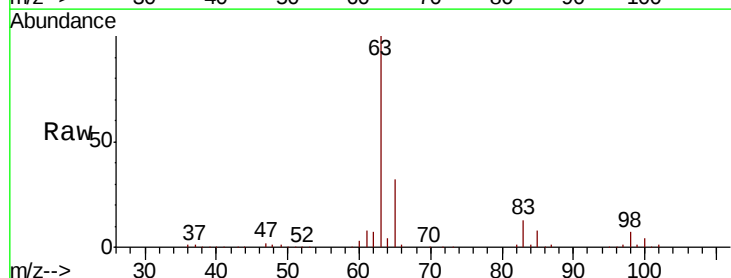
Tgt Ion: 63 Resp: 359235

Ion Ratio Lower Upper

63 100

98 7.0 3.3 9.8

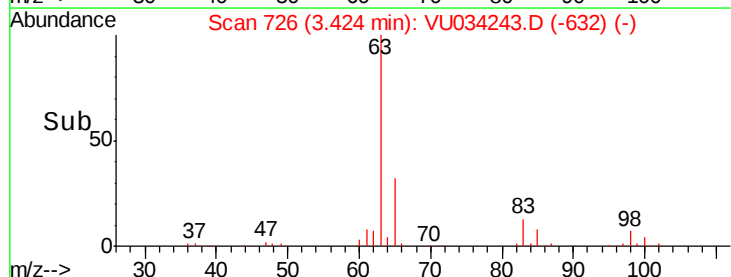
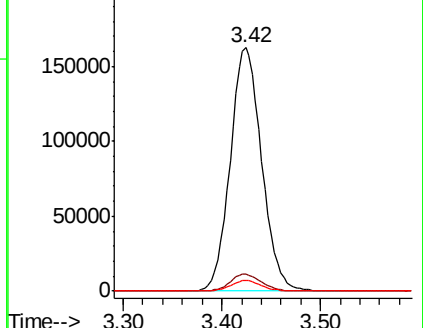
100 4.4 2.0 6.0

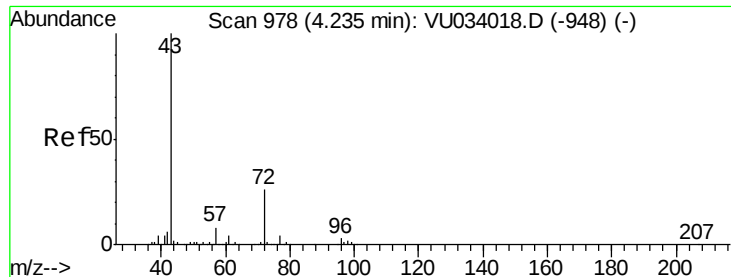


Abundance Ion 62.90 (62.60 to 63.60): VU034018.D (-707) (-)

Ion 97.90 (97.60 to 98.60): VU034018.D (-707) (-)

Ion 99.90 (99.60 to 100.60): VU034018.D (-707) (-)

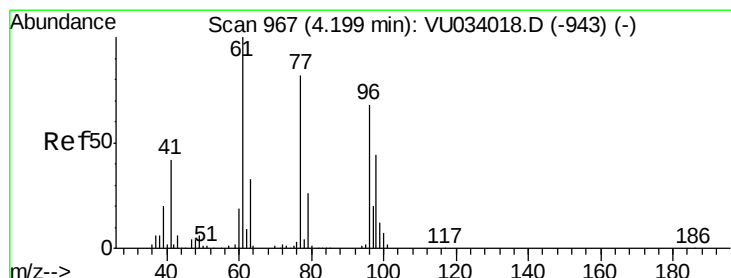
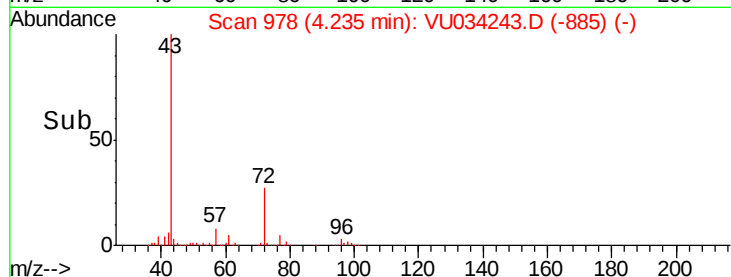
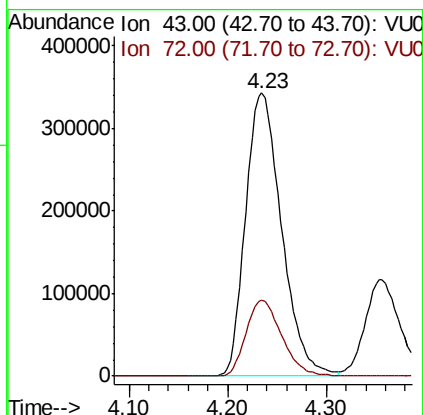
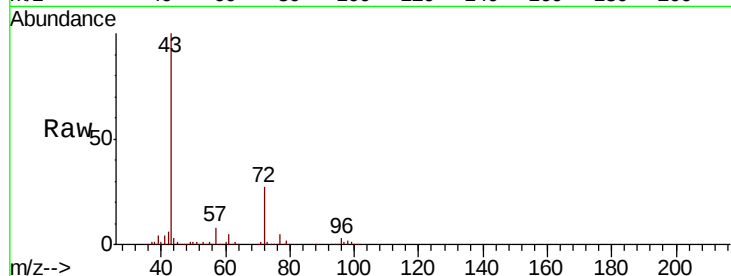




#25
 2-Butanone
 Concen: 248.100 ug/l
 RT: 4.23 min Scan# 978
 Delta R.T. 0.00 min
 Lab File: VU034243.D
 Acq: 04 Sep 2019 09:24

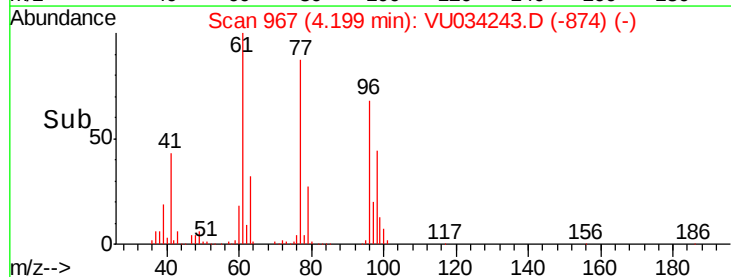
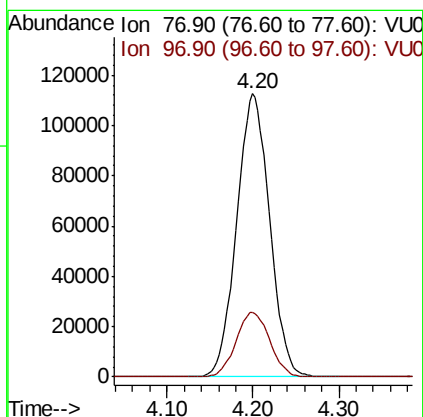
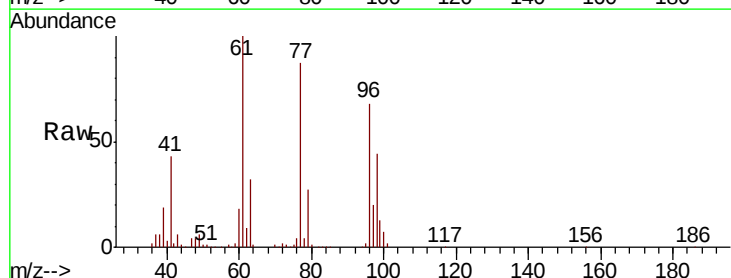
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

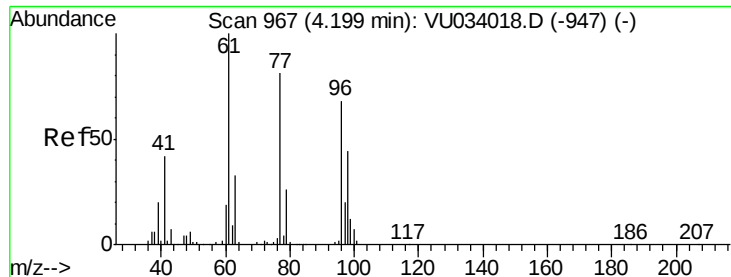
Tgt Ion: 43 Resp: 858460
 Ion Ratio Lower Upper
 43 100
 72 26.9 21.2 31.8



#26
 2,2-Dichloropropane
 Concen: 47.482 ug/l
 RT: 4.20 min Scan# 967
 Delta R.T. 0.00 min
 Lab File: VU034243.D
 Acq: 04 Sep 2019 09:24

Tgt Ion: 77 Resp: 299277
 Ion Ratio Lower Upper
 77 100
 97 23.3 11.6 34.7





#27

cis-1,2-Dichloroethene

Concen: 46.184 ug/l

RT: 4.20 min Scan# 967

Delta R.T. 0.00 min

Lab File: VU034243.D

Acq: 04 Sep 2019 09:24

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

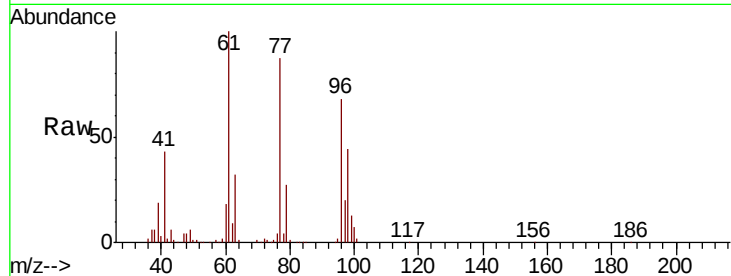
Tgt Ion: 96 Resp: 214245

Ion Ratio Lower Upper

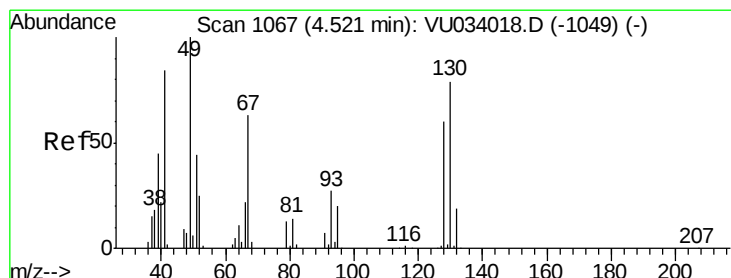
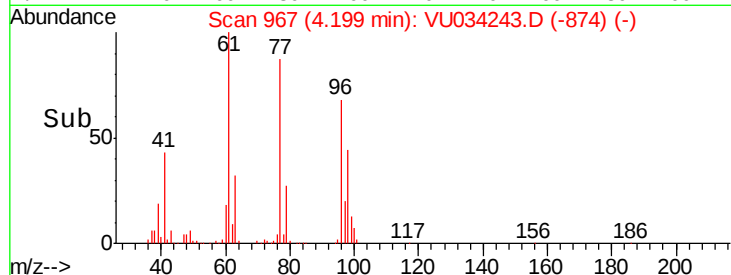
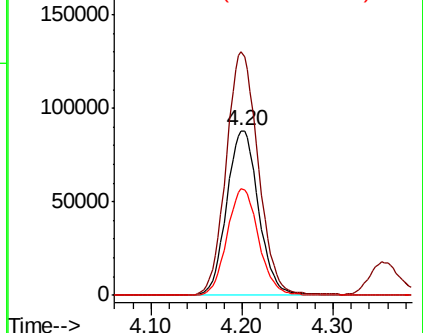
96 100

61 148.9 0.0 303.0

98 64.2 0.0 129.2



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: 49.735 ug/l

RT: 4.52 min Scan# 1067

Delta R.T. 0.00 min

Lab File: VU034243.D

Acq: 04 Sep 2019 09:24

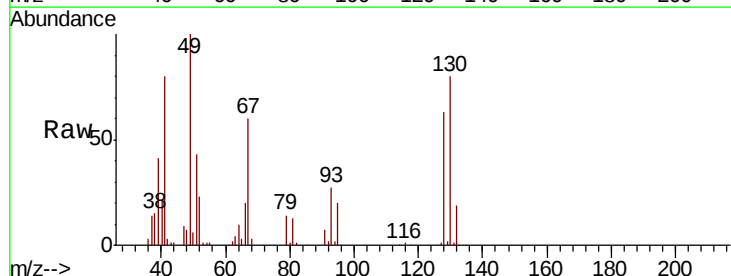
Tgt Ion: 49 Resp: 189802

Ion Ratio Lower Upper

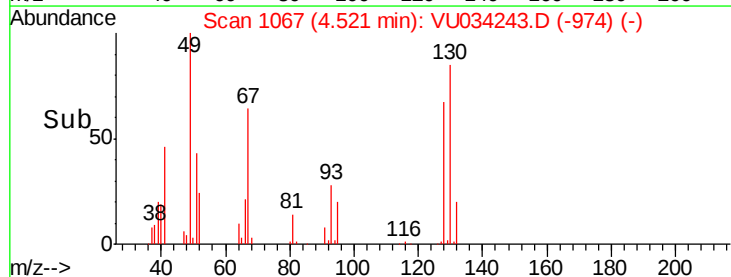
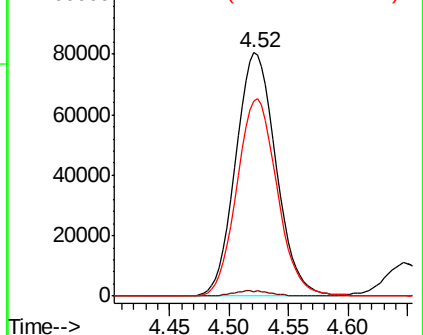
49 100

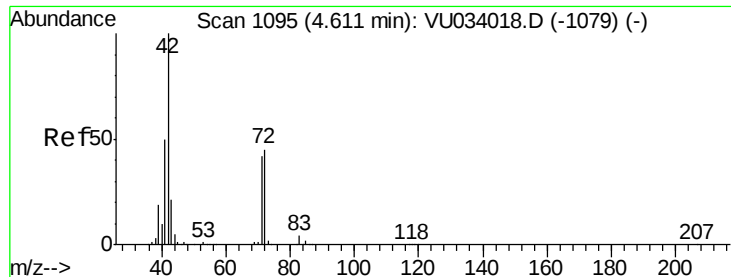
129 2.0 0.0 3.6

130 81.0 62.8 94.2



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

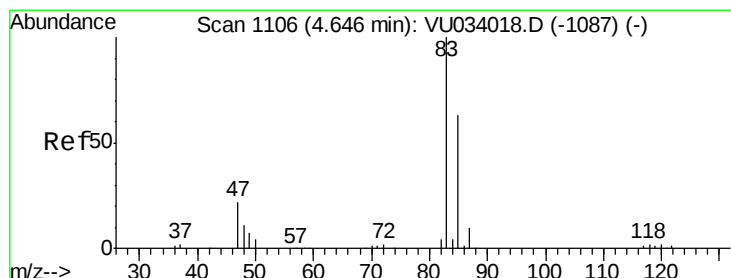
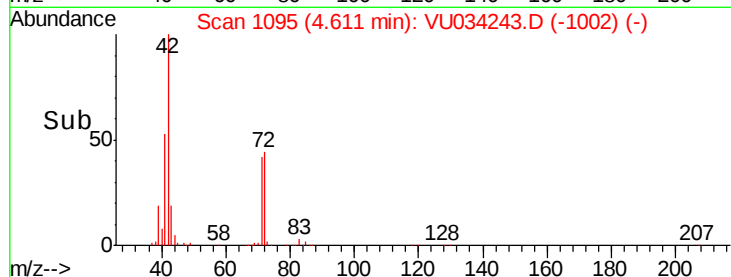
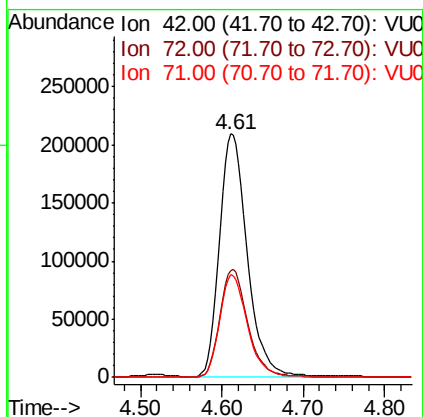
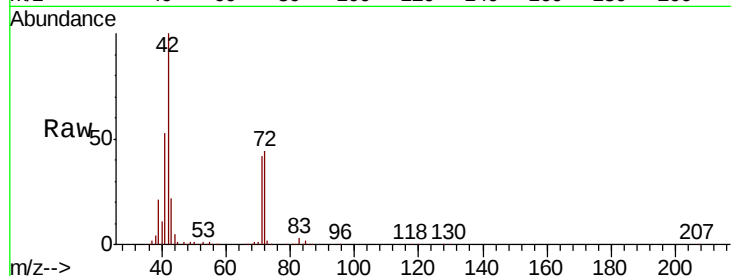




#29
Tetrahydrofuran
Concen: 236.065 ug/l
RT: 4.61 min Scan# 1095
Delta R.T. 0.00 min
Lab File: VU034243.D
Acq: 04 Sep 2019 09:24

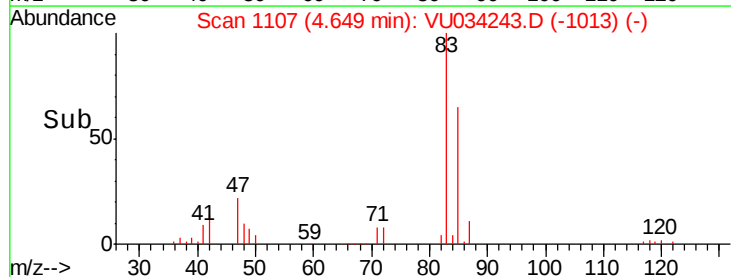
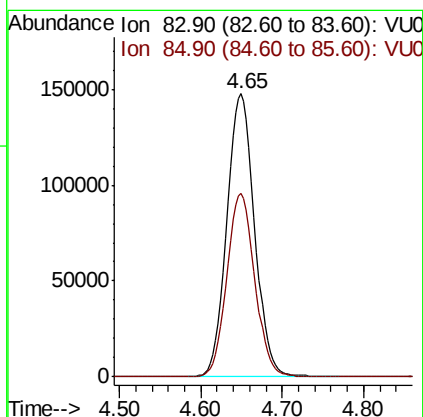
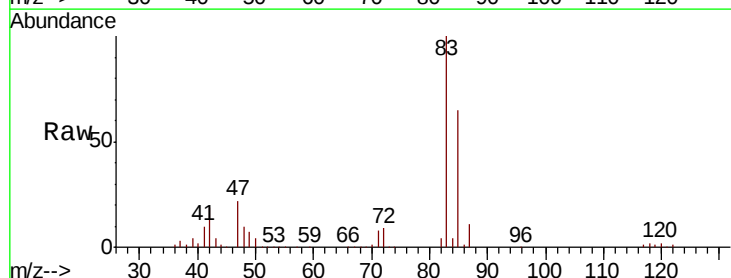
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

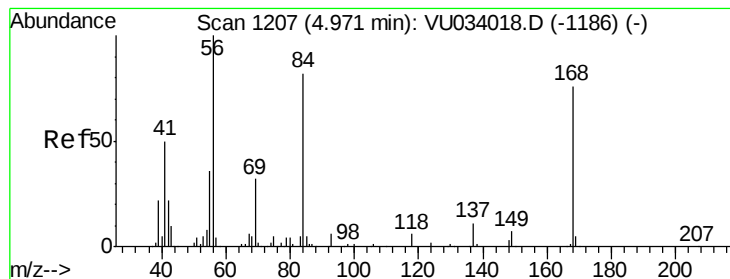
Tgt Ion: 42 Resp: 503730
Ion Ratio Lower Upper
42 100
72 45.1 35.8 53.6
71 42.2 34.0 51.0



#30
Chloroform
Concen: 45.702 ug/l
RT: 4.65 min Scan# 1107
Delta R.T. 0.00 min
Lab File: VU034243.D
Acq: 04 Sep 2019 09:24

Tgt Ion: 83 Resp: 353204
Ion Ratio Lower Upper
83 100
85 64.7 50.7 76.1





#31

Cyclohexane

Concen: 41.644 ug/l

RT: 4.97 min Scan# 1207

Delta R.T. 0.00 min

Lab File: VU034243.D

Acq: 04 Sep 2019 09:24

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

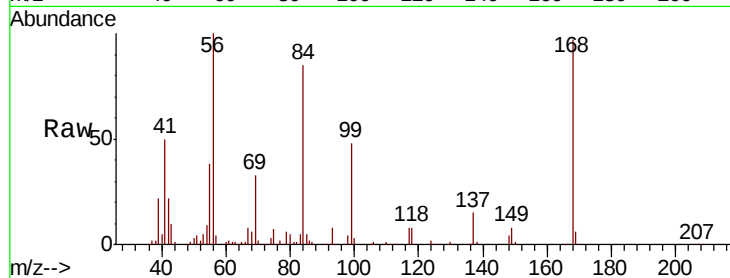
Tgt Ion: 56 Resp: 303110

Ion Ratio Lower Upper

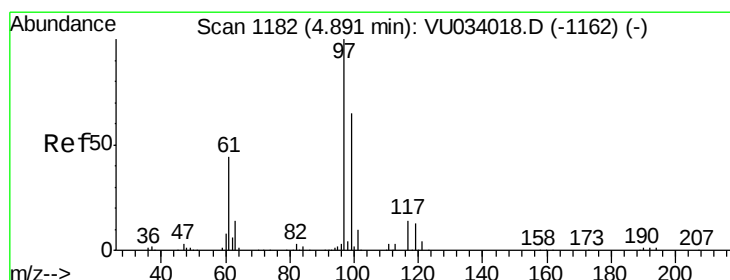
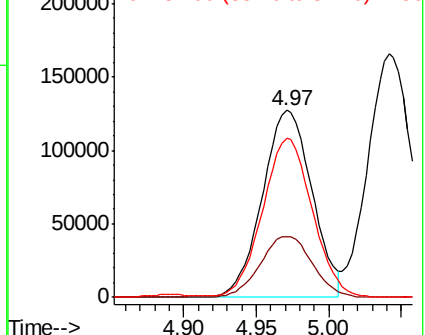
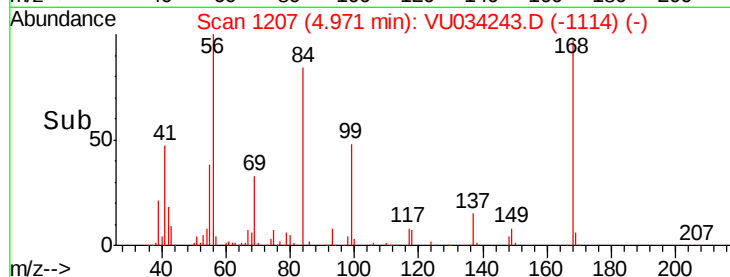
56 100

69 32.6 25.4 38.0

84 84.0 65.8 98.8



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



#32

1,1,1-Trichloroethane

Concen: 46.452 ug/l

RT: 4.89 min Scan# 1182

Delta R.T. 0.00 min

Lab File: VU034243.D

Acq: 04 Sep 2019 09:24

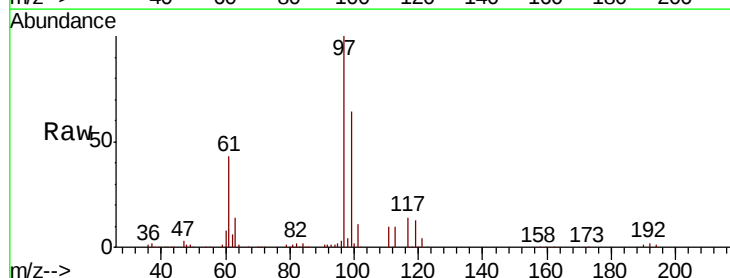
Tgt Ion: 97 Resp: 294026

Ion Ratio Lower Upper

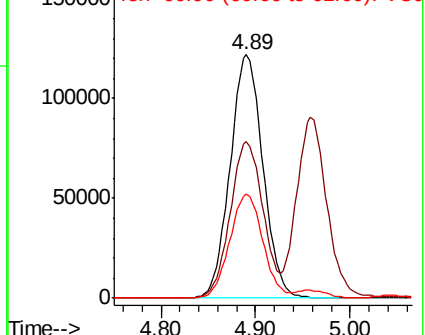
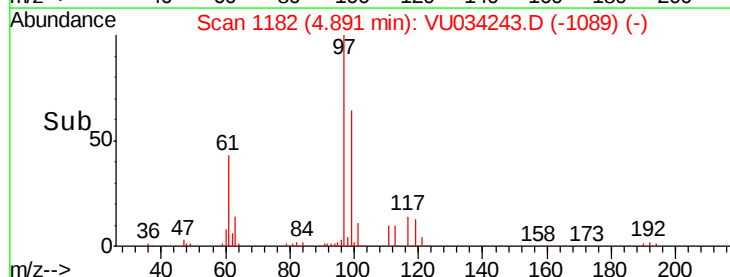
97 100

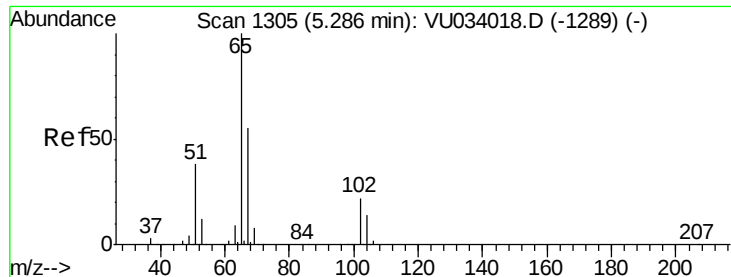
99 64.4 51.8 77.6

61 43.1 35.3 52.9



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





#33

1,2-Dichloroethane-d4

Concen: 47.525 ug/l

RT: 5.29 min Scan# 1305

Delta R.T. 0.00 min

Lab File: VU034243.D

Acq: 04 Sep 2019 09:24

Instrument :

MSVOA_U

ClientSampleId :

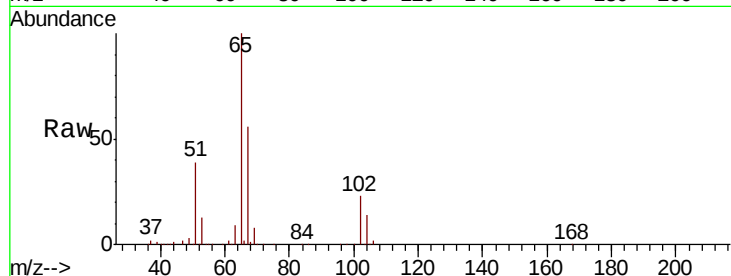
VSTDCCC050

Tgt Ion: 65 Resp: 231648

Ion Ratio Lower Upper

65 100

67 55.9 0.0 110.6



Abundance Ion 64.90 (64.60 to 65.60): VU034243.D (-1289) (-)

Ion 66.90 (66.60 to 67.60): VU034243.D (-1289) (-)

5.29

120000

100000

80000

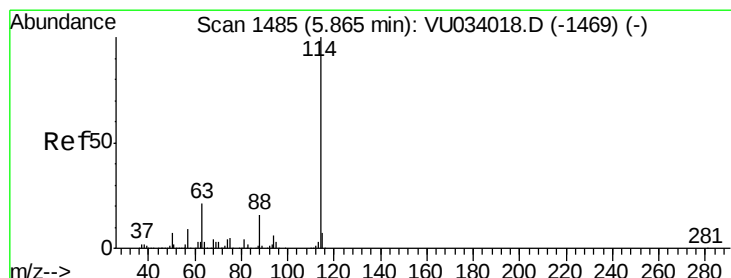
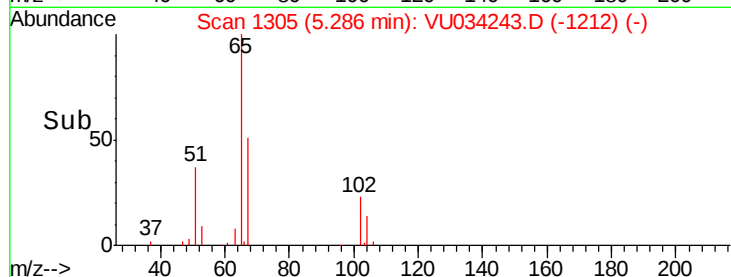
60000

40000

20000

0

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.86 min Scan# 1485

Delta R.T. 0.00 min

Lab File: VU034243.D

Acq: 04 Sep 2019 09:24

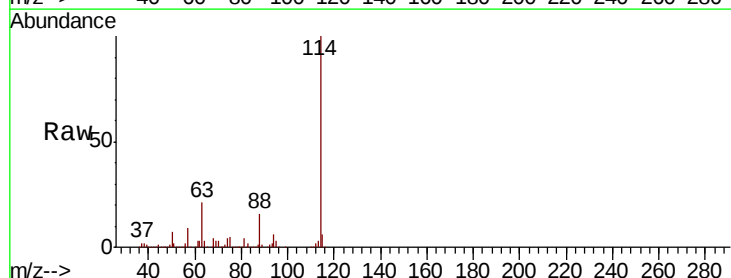
Tgt Ion: 114 Resp: 564746

Ion Ratio Lower Upper

114 100

63 20.9 0.0 42.0

88 15.6 0.0 32.0



Abundance Ion 113.90 (113.60 to 114.60): VU034243.D (-1469) (-)

Ion 63.00 (62.70 to 63.70): VU034243.D (-1469) (-)

Ion 87.90 (87.60 to 88.60): VU034243.D (-1469) (-)

5.86

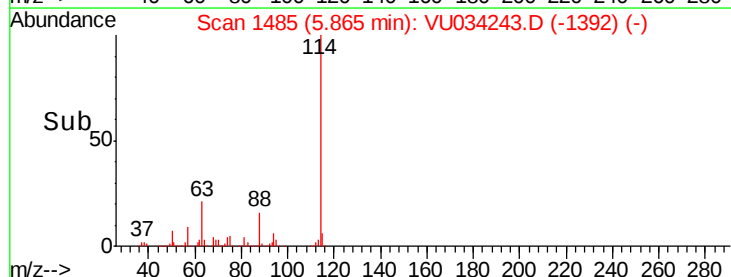
300000

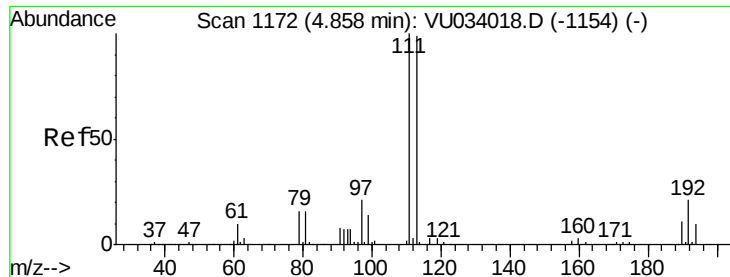
200000

100000

0

Time-->

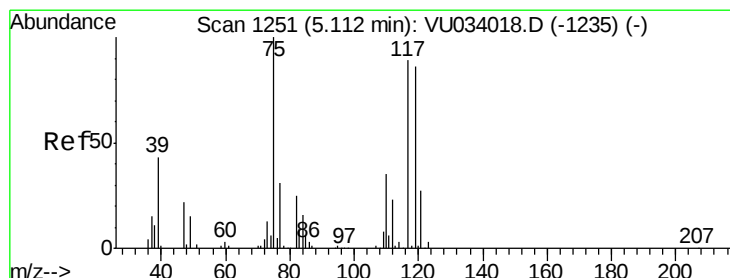
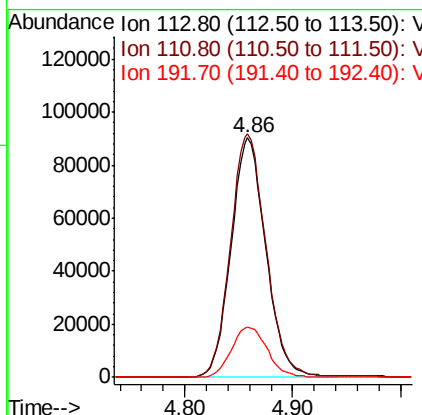
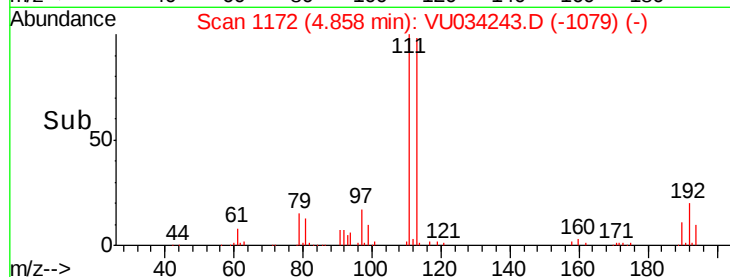
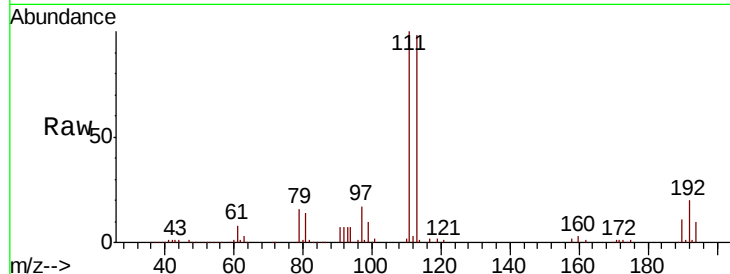




#35
 Dibromofluoromethane
 Concen: 51.765 ug/l
 RT: 4.86 min Scan# 1172
 Delta R.T. 0.00 min
 Lab File: VU034243.D
 Acq: 04 Sep 2019 09:24

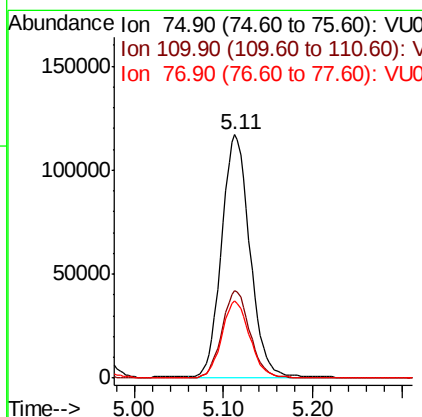
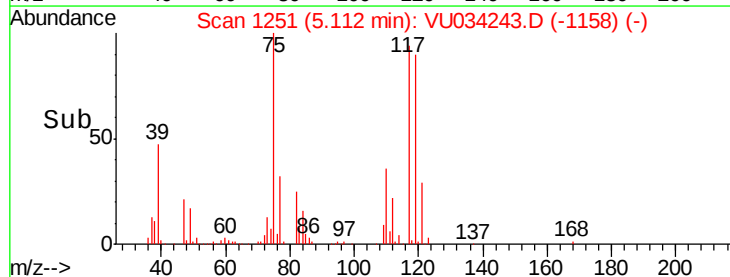
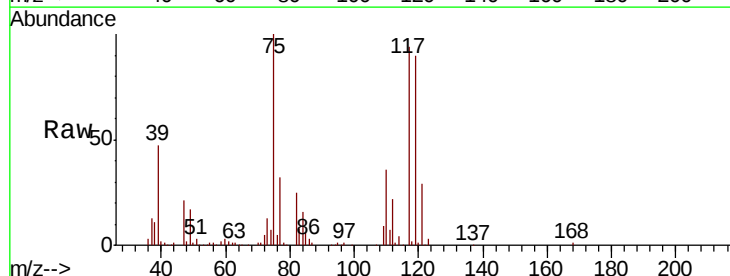
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

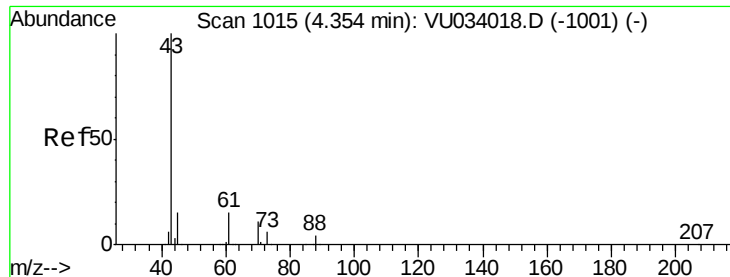
Tgt Ion: 113 Resp: 202763
 Ion Ratio Lower Upper
 113 100
 111 103.7 81.7 122.5
 192 21.8 17.1 25.7



#36
 1,1-Dichloropropene
 Concen: 47.891 ug/l
 RT: 5.11 min Scan# 1251
 Delta R.T. 0.00 min
 Lab File: VU034243.D
 Acq: 04 Sep 2019 09:24

Tgt Ion: 75 Resp: 255824
 Ion Ratio Lower Upper
 75 100
 110 35.6 17.8 53.5
 77 31.2 25.0 37.4

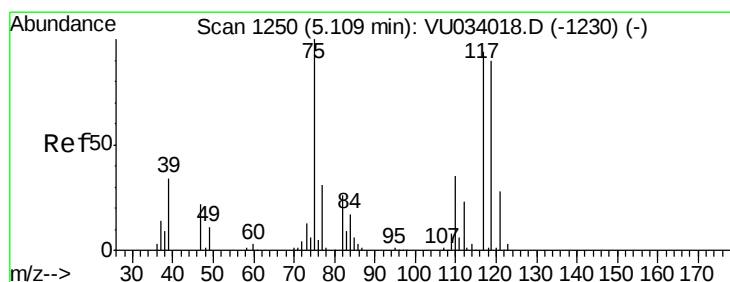
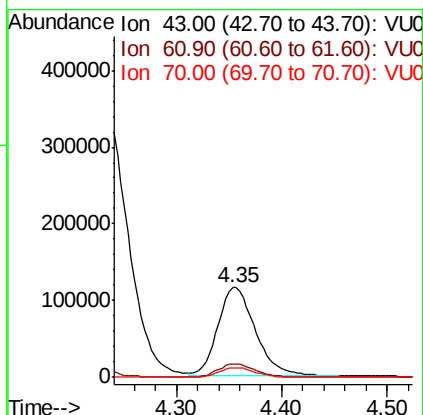
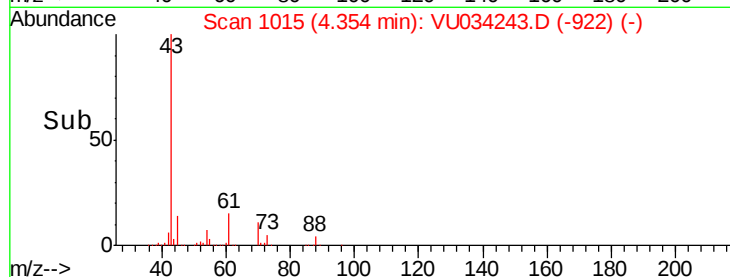
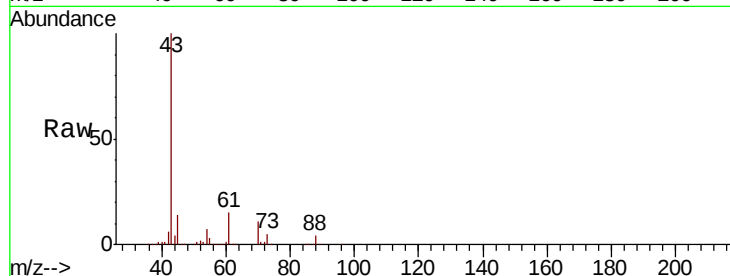




#37
Ethyl Acetate
Concen: 47.816 ug/l
RT: 4.35 min Scan# 1015
Delta R.T. 0.00 min
Lab File: VU034243.D
Acq: 04 Sep 2019 09:24

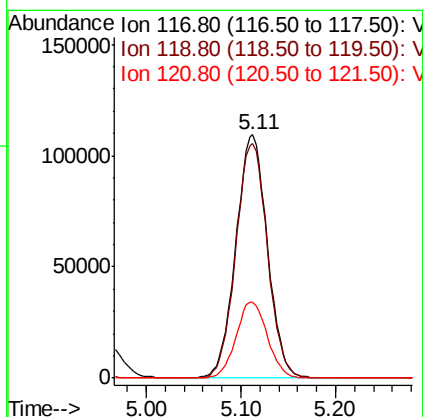
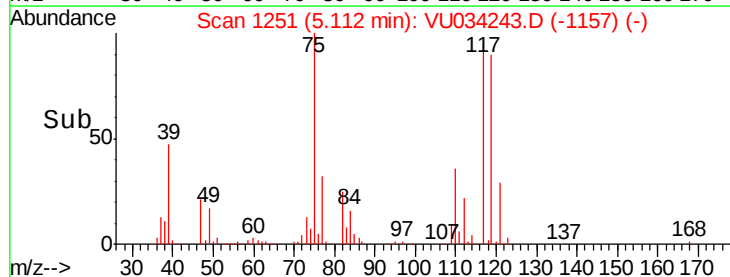
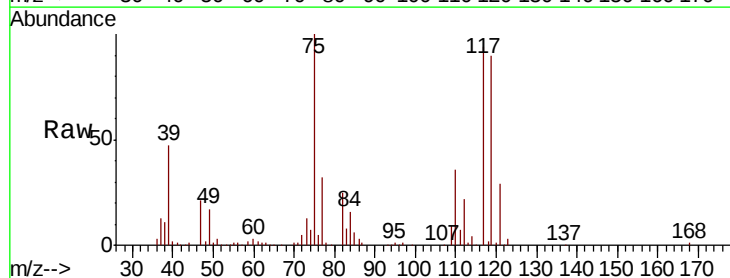
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

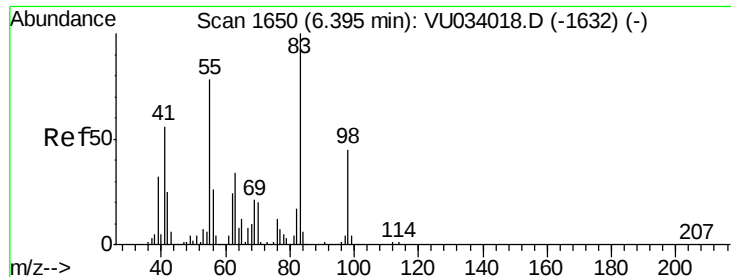
Tgt Ion: 43 Resp: 286027
Ion Ratio Lower Upper
43 100
61 14.3 11.5 17.3
70 10.9 8.6 12.8



#38
Carbon Tetrachloride
Concen: 49.024 ug/l
RT: 5.11 min Scan# 1251
Delta R.T. 0.00 min
Lab File: VU034243.D
Acq: 04 Sep 2019 09:24

Tgt Ion: 117 Resp: 252780
Ion Ratio Lower Upper
117 100
119 96.2 77.0 115.4
121 31.1 23.9 35.9

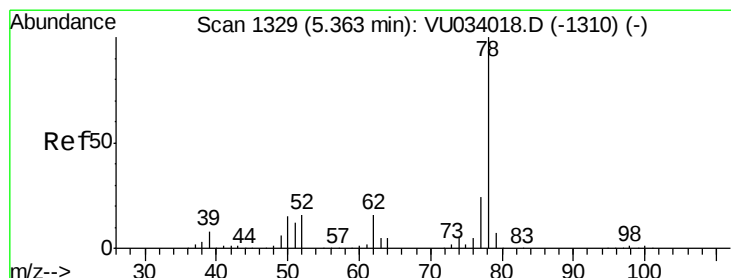
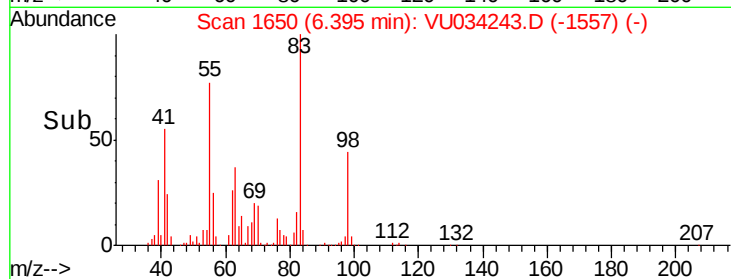
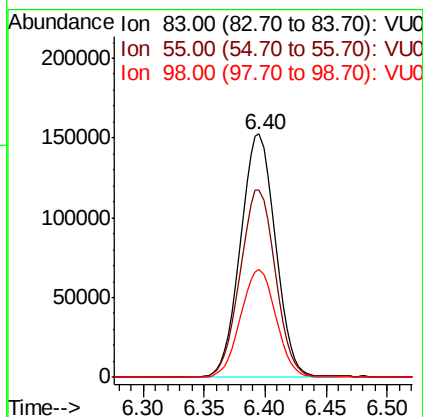
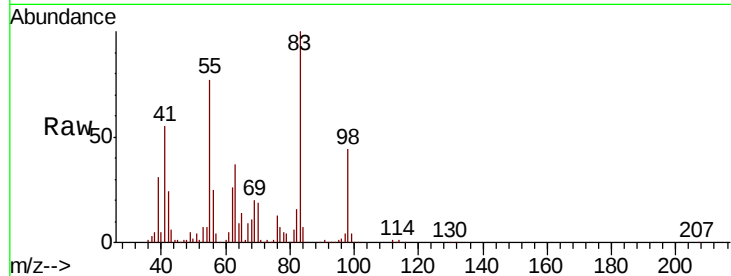




#39
Methylcyclohexane
Concen: 48.050 ug/l
RT: 6.40 min Scan# 1650
Delta R.T. 0.00 min
Lab File: VU034243.D
Acq: 04 Sep 2019 09:24

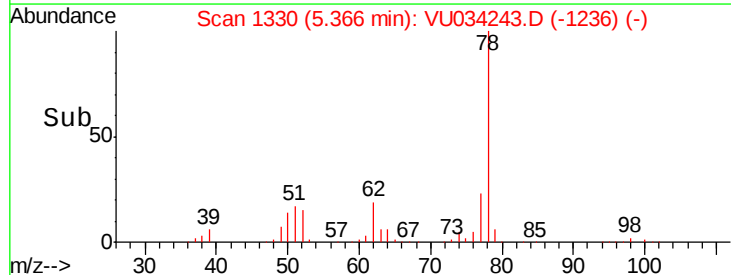
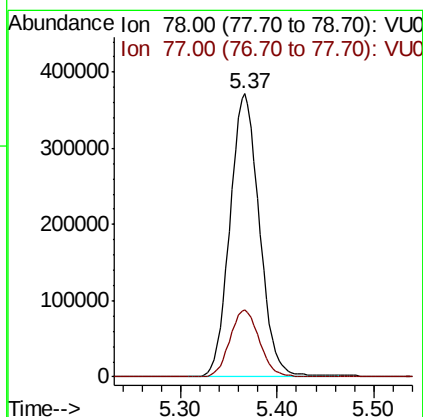
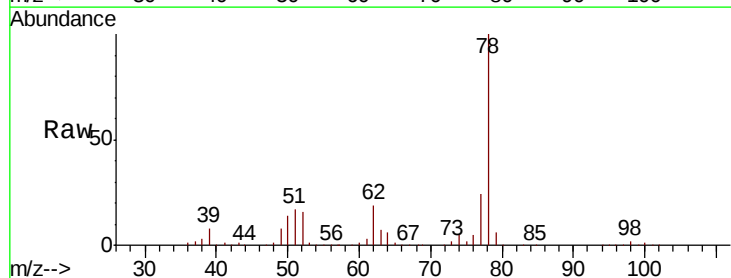
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

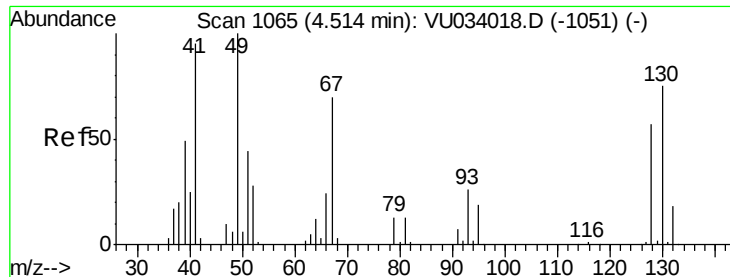
Tgt Ion: 83 Resp: 302520
Ion Ratio Lower Upper
83 100
55 77.1 62.3 93.5
98 44.2 36.2 54.2



#40
Benzene
Concen: 48.703 ug/l
RT: 5.37 min Scan# 1330
Delta R.T. 0.00 min
Lab File: VU034243.D
Acq: 04 Sep 2019 09:24

Tgt Ion: 78 Resp: 787120
Ion Ratio Lower Upper
78 100
77 23.6 19.0 28.6

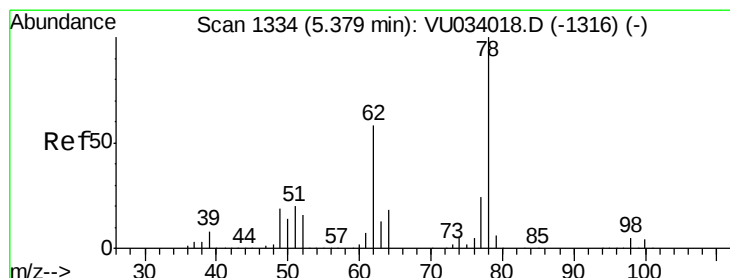
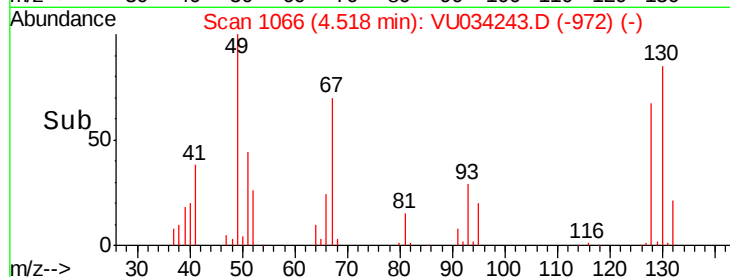
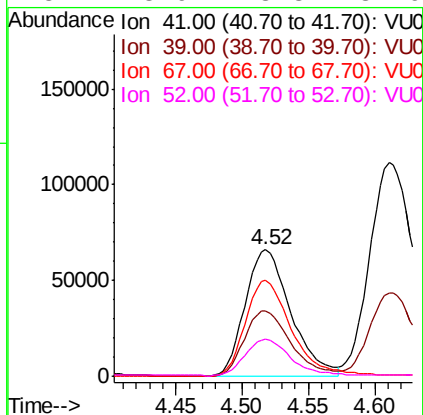
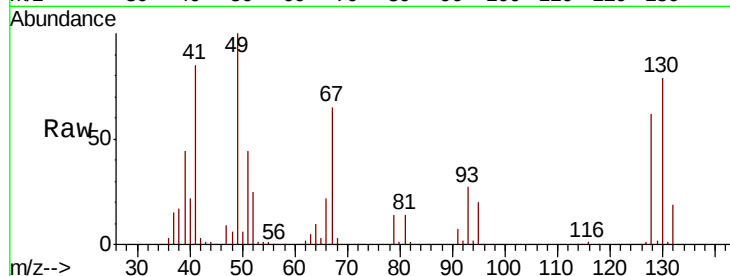




#41
Methacrylonitrile
Concen: 51.419 ug/l
RT: 4.52 min Scan# 1066
Delta R.T. 0.00 min
Lab File: VU034243.D
Acq: 04 Sep 2019 09:24

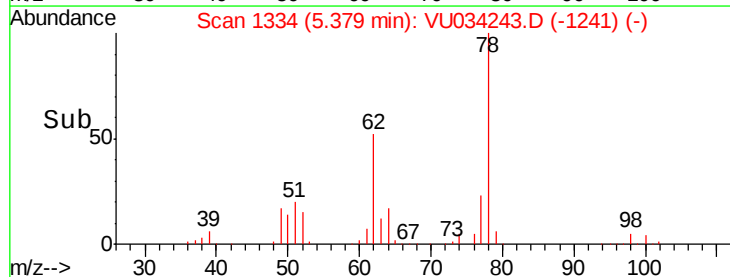
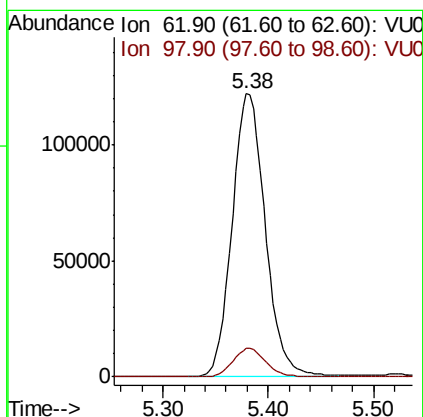
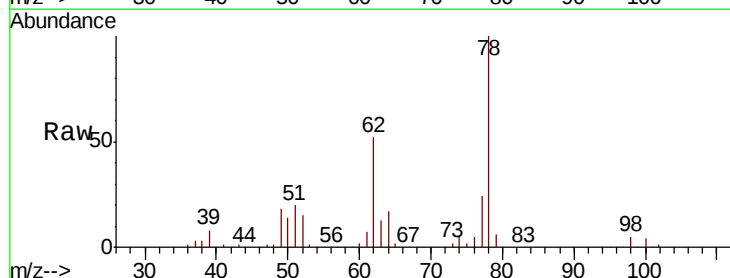
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

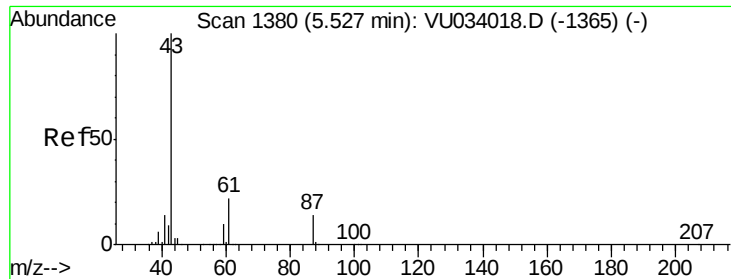
Tgt Ion: 41 Resp: 157744
Ion Ratio Lower Upper
41 100
39 52.4 42.1 63.1
67 78.2 61.0 91.4
52 28.9 23.3 34.9



#42
1,2-Dichloroethane
Concen: 47.738 ug/l
RT: 5.38 min Scan# 1334
Delta R.T. 0.00 min
Lab File: VU034243.D
Acq: 04 Sep 2019 09:24

Tgt Ion: 62 Resp: 266421
Ion Ratio Lower Upper
62 100
98 10.0 0.0 18.2

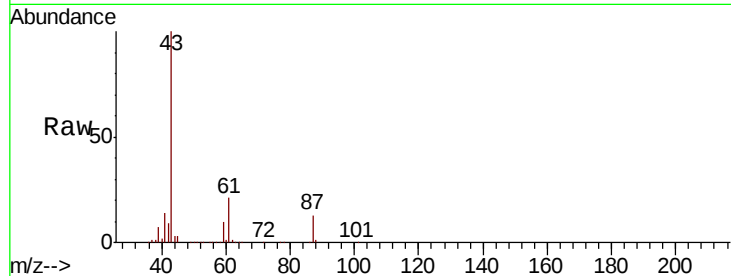




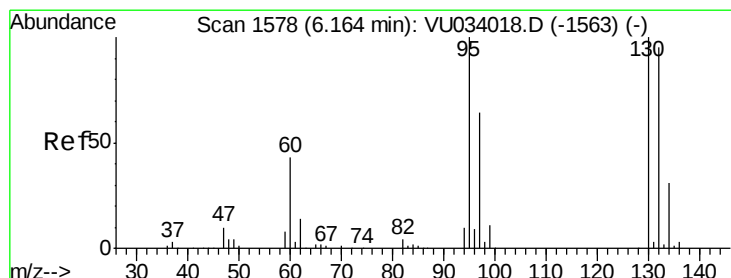
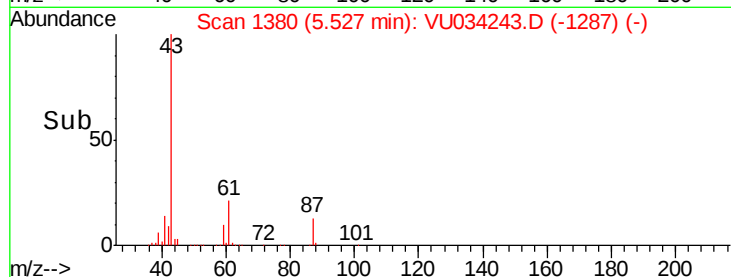
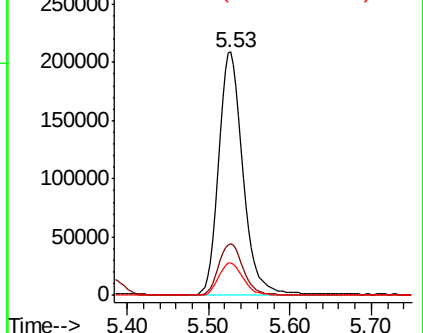
#43
Isopropyl Acetate
Concen: 48.264 ug/l
RT: 5.53 min Scan# 1380
Delta R.T. 0.00 min
Lab File: VU034243.D
Acq: 04 Sep 2019 09:24

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tgt Ion: 43 Resp: 439226
Ion Ratio Lower Upper
43 100
61 21.7 17.2 25.8
87 13.5 10.8 16.2

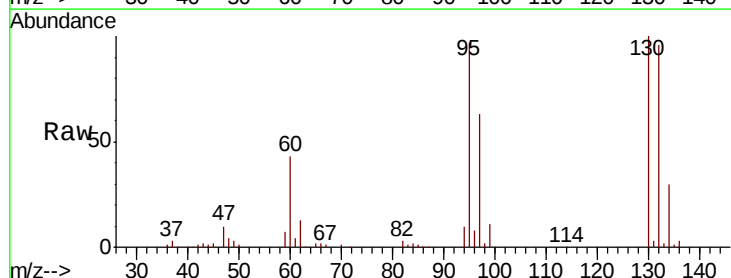


Abundance Ion 43.00 (42.70 to 43.70): VU0
Ion 61.00 (60.70 to 61.70): VU0
Ion 87.00 (86.70 to 87.70): VU0

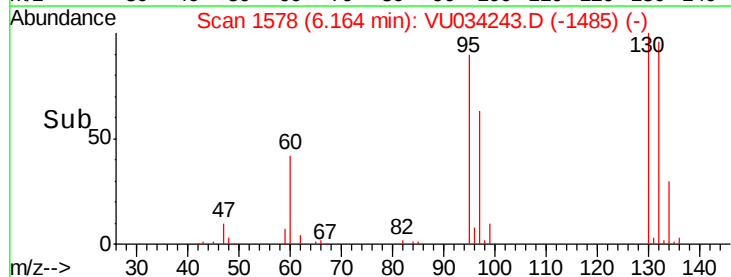
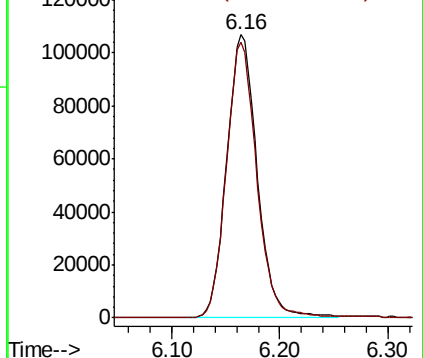


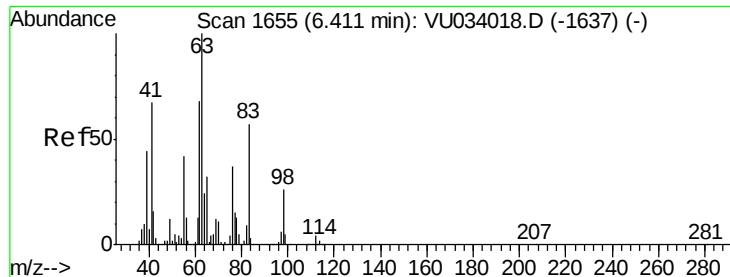
#44
Trichloroethene
Concen: 49.660 ug/l
RT: 6.16 min Scan# 1578
Delta R.T. 0.00 min
Lab File: VU034243.D
Acq: 04 Sep 2019 09:24

Tgt Ion: 130 Resp: 210761
Ion Ratio Lower Upper
130 100
95 97.3 0.0 199.6



Abundance Ion 129.80 (129.50 to 130.50): V
Ion 94.90 (94.60 to 95.60): VU0





#45

1,2-Dichloropropane

Concen: 49.854 ug/l

RT: 6.41 min Scan# 1655

Delta R.T. 0.00 min

Lab File: VU034243.D

Acq: 04 Sep 2019 09:24

Instrument :

MSVOA_U

ClientSampleId :

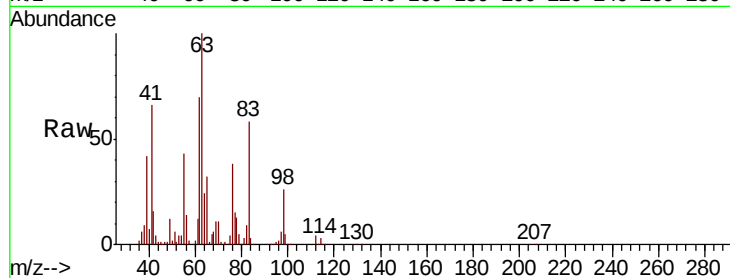
VSTDCCC050

Tgt Ion: 63 Resp: 221797

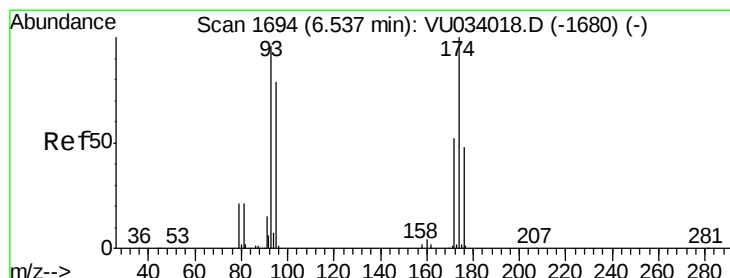
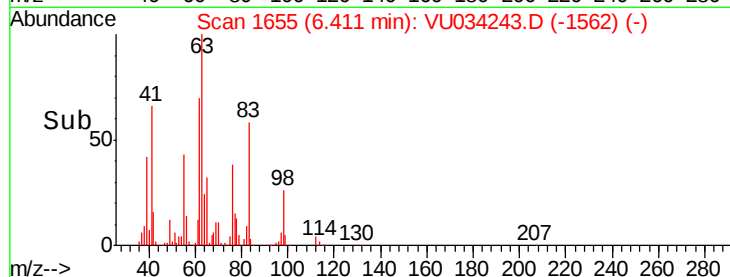
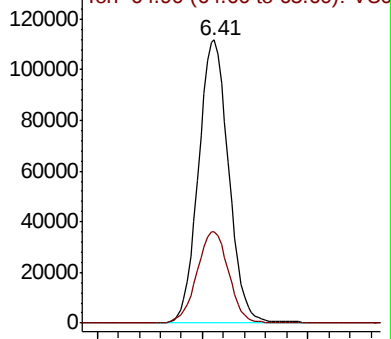
Ion Ratio Lower Upper

63 100

65 32.5 25.4 38.2



Abundance Ion 62.90 (62.60 to 63.60): VU034018.D (-1637) (-)



#46

Dibromomethane

Concen: 49.822 ug/l

RT: 6.54 min Scan# 1694

Delta R.T. 0.00 min

Lab File: VU034243.D

Acq: 04 Sep 2019 09:24

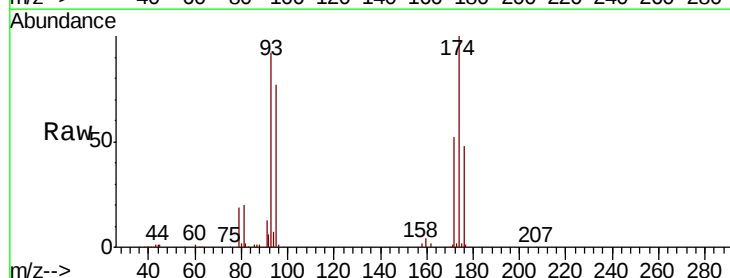
Tgt Ion: 93 Resp: 142805

Ion Ratio Lower Upper

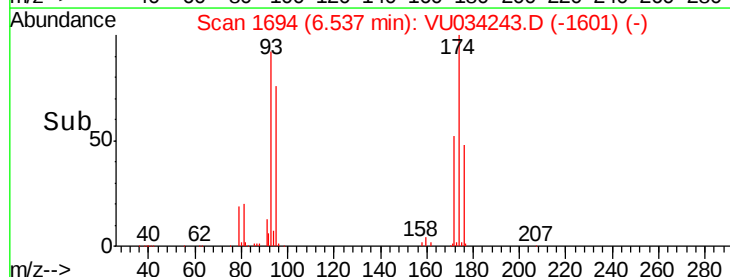
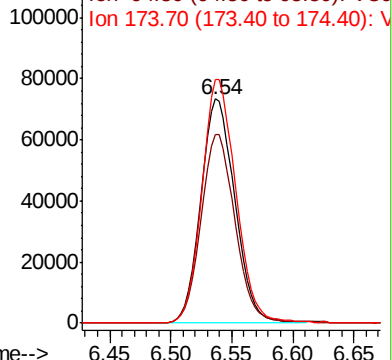
93 100

95 83.4 66.7 100.1

174 107.6 84.9 127.3



Abundance Ion 92.80 (92.50 to 93.50): VU034018.D (-1680) (-)





#47

Bromodichloromethane

Concen: 50.567 ug/l

RT: 6.74 min Scan# 1756

Delta R.T. 0.00 min

Lab File: VU034243.D

Acq: 04 Sep 2019 09:24

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

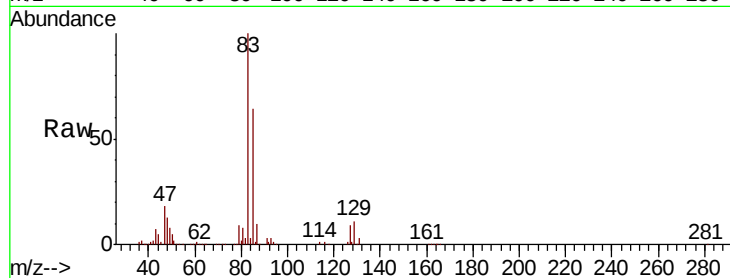
Tgt Ion: 83 Resp: 283573

Ion Ratio Lower Upper

83 100

85 64.1 51.2 76.8

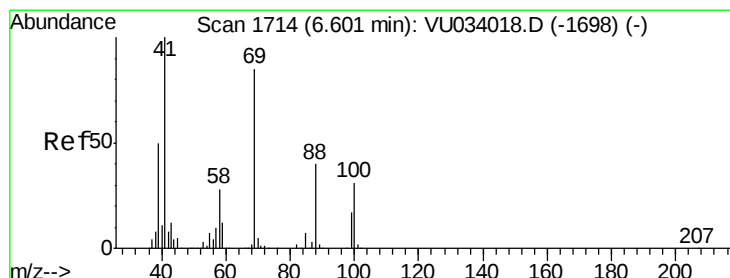
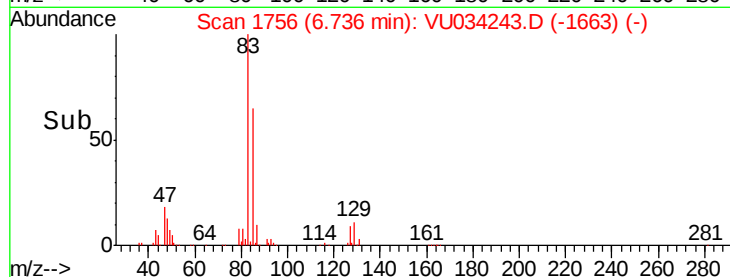
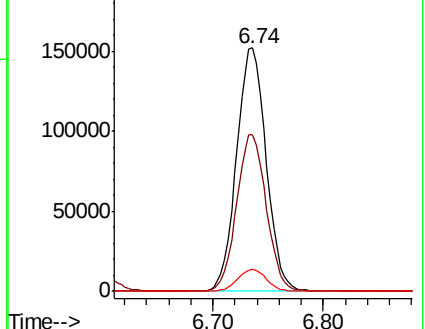
127 8.8 7.0 10.6



Abundance Ion 82.90 (82.60 to 83.60): VU034243.D (-1663) (-)

Ion 84.90 (84.60 to 85.60): VU034243.D (-1663) (-)

Ion 126.80 (126.50 to 127.50): VU034243.D (-1663) (-)



#48

Methyl methacrylate

Concen: 49.053 ug/l

RT: 6.60 min Scan# 1714

Delta R.T. 0.00 min

Lab File: VU034243.D

Acq: 04 Sep 2019 09:24

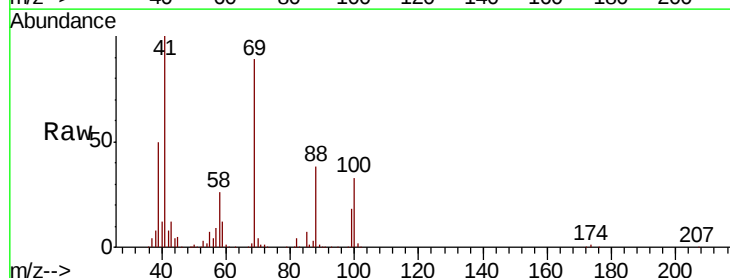
Tgt Ion: 41 Resp: 215415

Ion Ratio Lower Upper

41 100

69 89.5 69.5 104.3

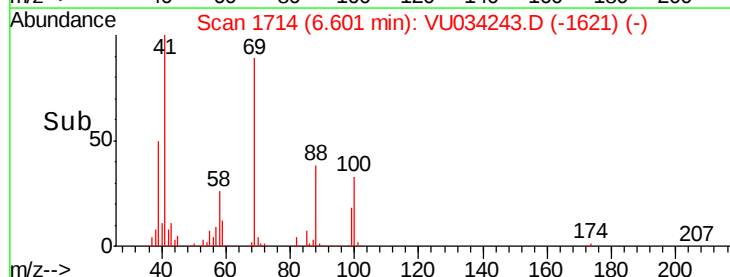
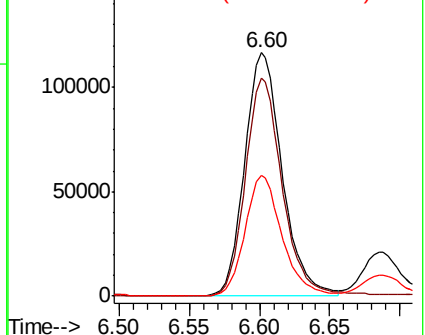
39 48.9 40.3 60.5

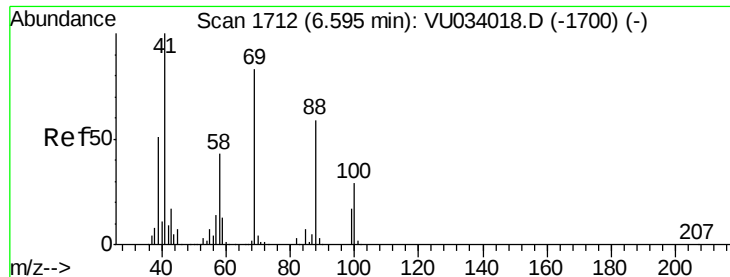


Abundance Ion 41.00 (40.70 to 41.70): VU034243.D (-1621) (-)

Ion 69.00 (68.70 to 69.70): VU034243.D (-1621) (-)

Ion 39.00 (38.70 to 39.70): VU034243.D (-1621) (-)

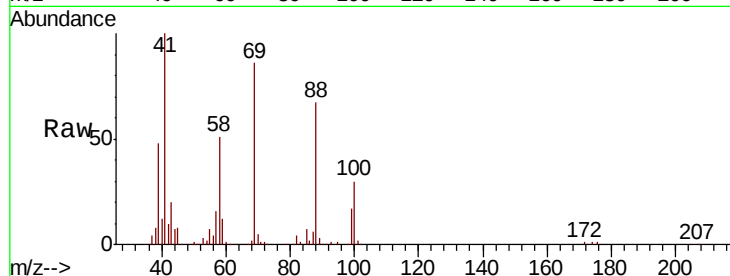




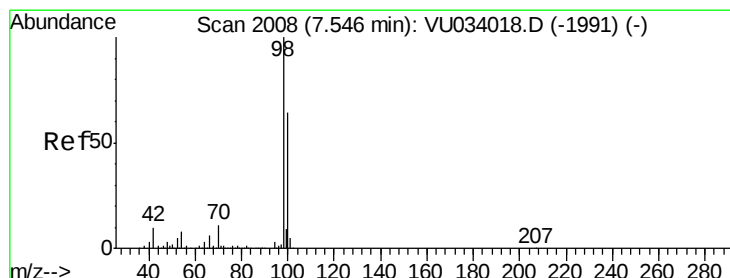
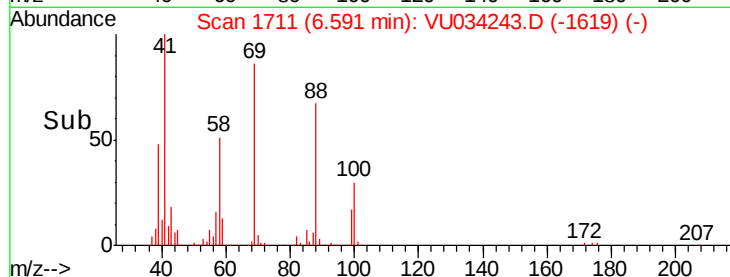
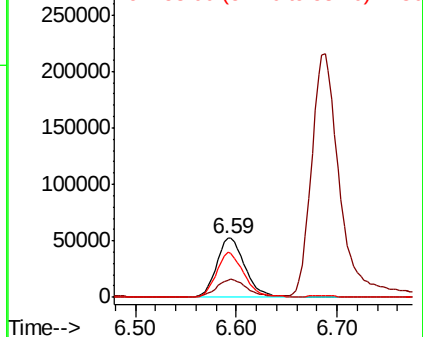
#49
1,4-Dioxane
Concen: 927.564 ug/l
RT: 6.59 min Scan# 1711
Delta R.T. -0.00 min
Lab File: VU034243.D
Acq: 04 Sep 2019 09:24

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tgt Ion: 88 Resp: 102060
Ion Ratio Lower Upper
88 100
43 29.8 24.8 37.2
58 74.3 59.3 88.9

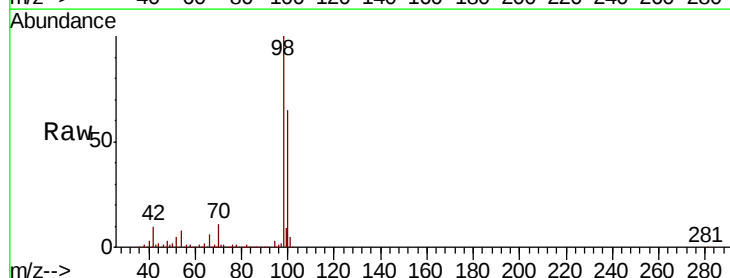


Abundance Ion 88.00 (87.70 to 88.70): VU0
Ion 43.00 (42.70 to 43.70): VU0
Ion 58.00 (57.70 to 58.70): VU0

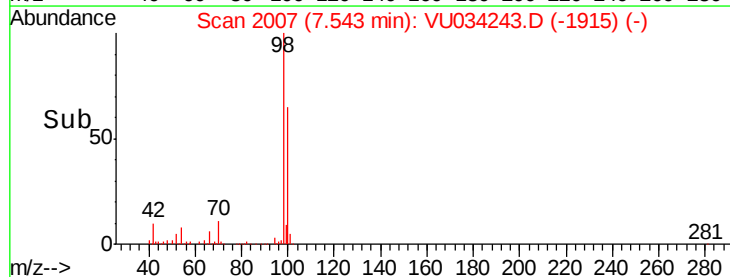
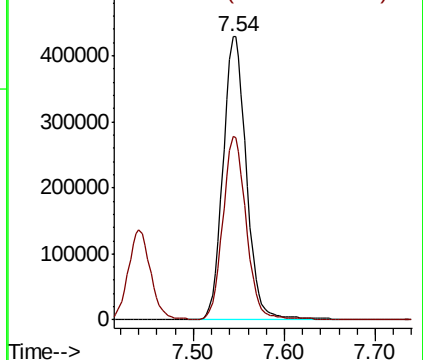


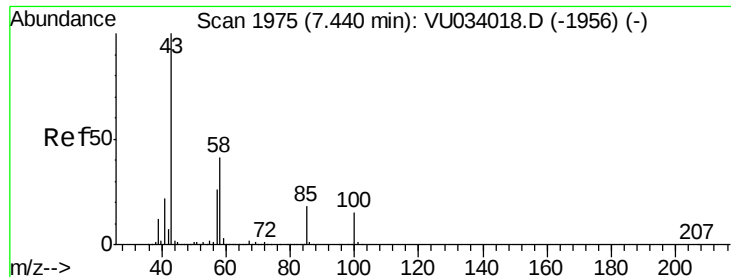
#50
Toluene-d8
Concen: 52.422 ug/l
RT: 7.54 min Scan# 2007
Delta R.T. -0.00 min
Lab File: VU034243.D
Acq: 04 Sep 2019 09:24

Tgt Ion: 98 Resp: 768870
Ion Ratio Lower Upper
98 100
100 63.6 50.3 75.5



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: 239.993 ug/l

RT: 7.44 min Scan# 1975

Delta R.T. 0.00 min

Lab File: VU034243.D

Acq: 04 Sep 2019 09:24

Instrument :

MSVOA_U

ClientSampleId :

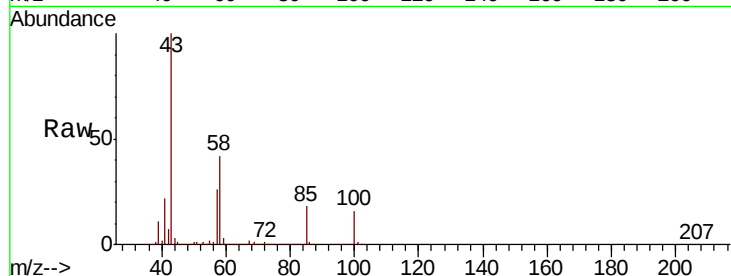
VSTDCCC050

Tgt Ion: 43 Resp: 1508314

Ion Ratio Lower Upper

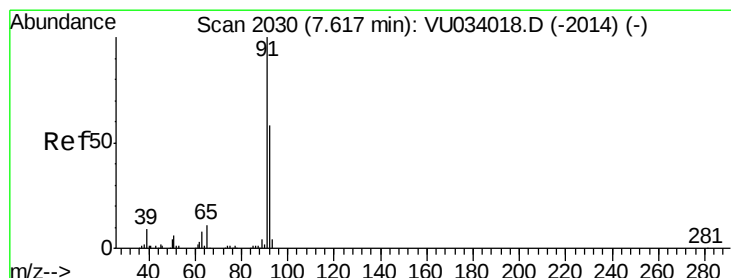
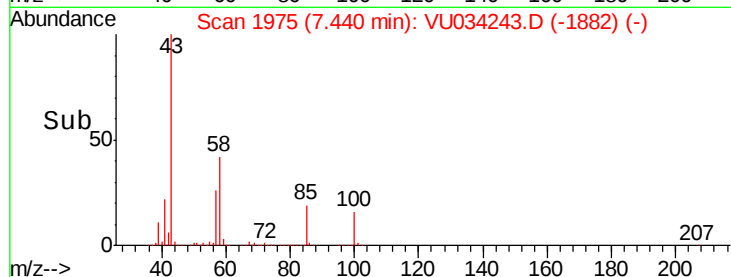
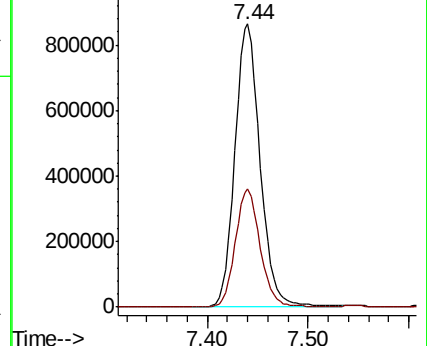
43 100

58 41.0 32.2 48.4



Abundance Ion 43.00 (42.70 to 43.70): VU034018.D (-1956) (-)

Ion 58.00 (57.70 to 58.70): VU034018.D (-1956) (-)



#52

Toluene

Concen: 50.014 ug/l

RT: 7.62 min Scan# 2030

Delta R.T. 0.00 min

Lab File: VU034243.D

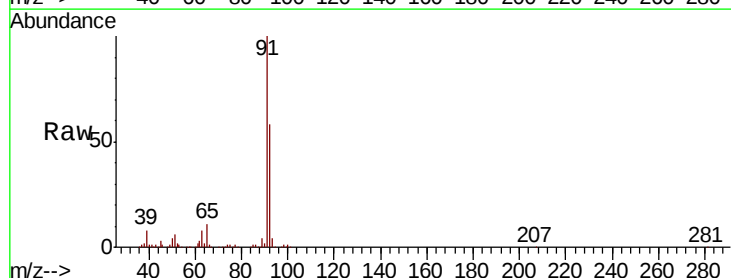
Acq: 04 Sep 2019 09:24

Tgt Ion: 92 Resp: 497940

Ion Ratio Lower Upper

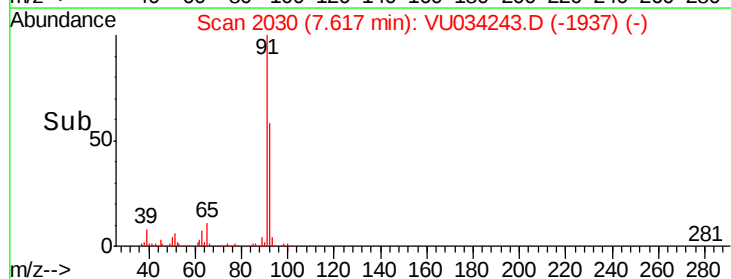
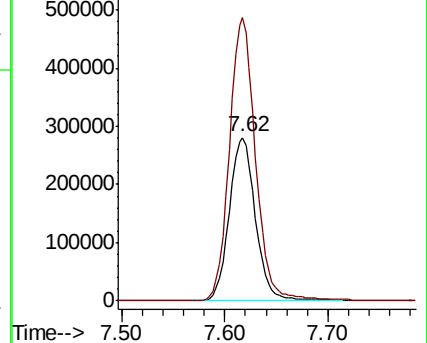
92 100

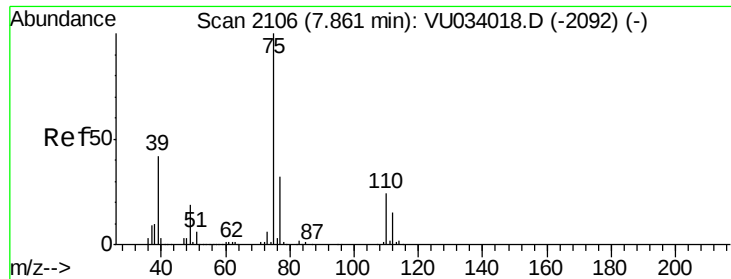
91 173.0 138.3 207.5



Abundance Ion 92.00 (91.70 to 92.70): VU034018.D (-2014) (-)

Ion 91.00 (90.70 to 91.70): VU034018.D (-2014) (-)

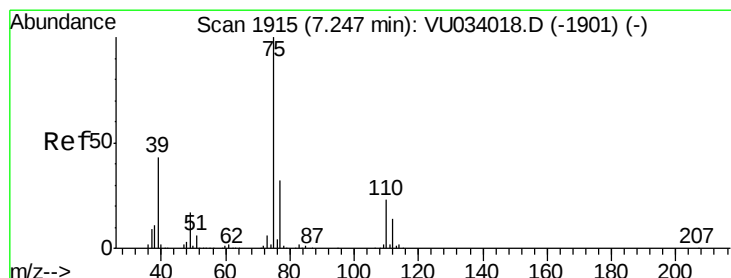
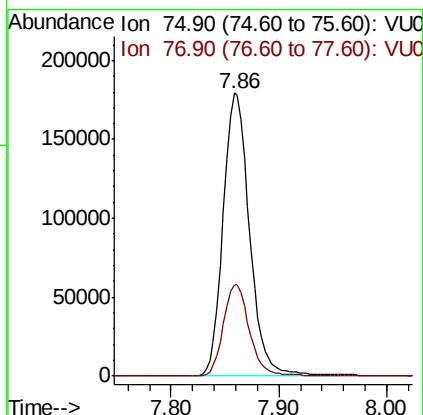
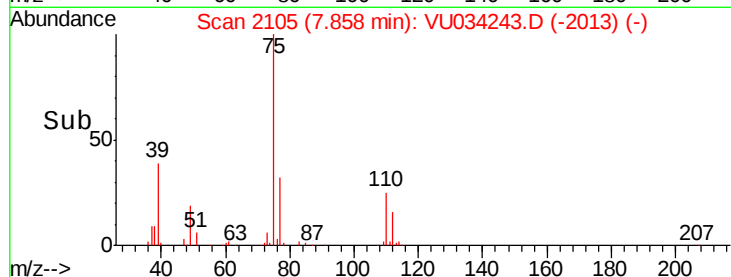
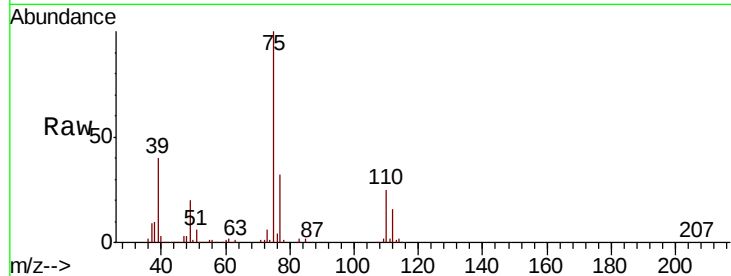




#53
t-1,3-Dichloropropene
Concen: 49.359 ug/l
RT: 7.86 min Scan# 2105
Delta R.T. -0.00 min
Lab File: VU034243.D
Acq: 04 Sep 2019 09:24

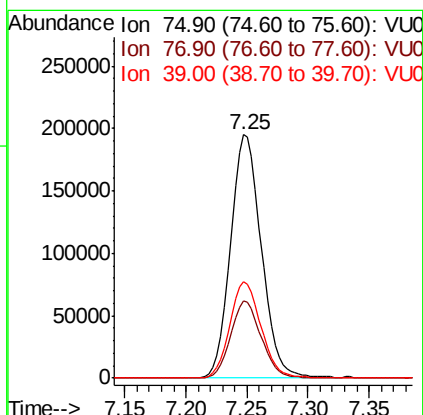
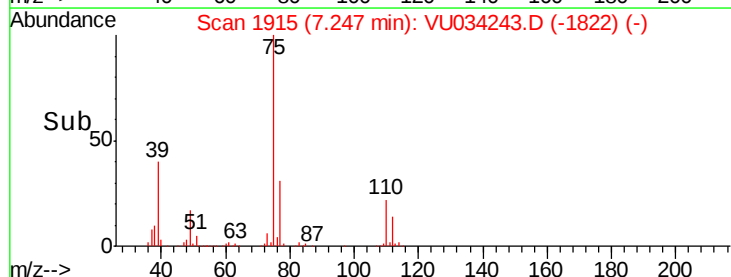
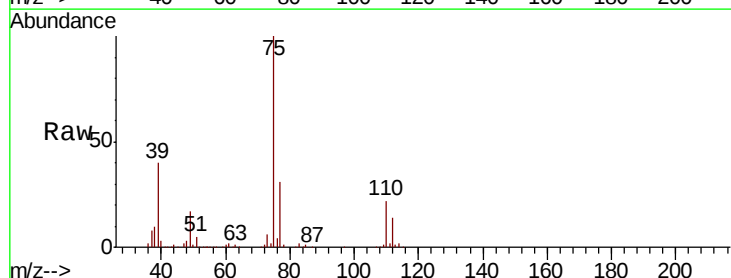
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tgt Ion: 75 Resp: 307131
Ion Ratio Lower Upper
75 100
77 32.4 25.4 38.0



#54
cis-1,3-Dichloropropene
Concen: 50.479 ug/l
RT: 7.25 min Scan# 1915
Delta R.T. 0.00 min
Lab File: VU034243.D
Acq: 04 Sep 2019 09:24

Tgt Ion: 75 Resp: 343159
Ion Ratio Lower Upper
75 100
77 31.5 25.2 37.8
39 39.5 34.6 51.8





#55

1,1,2-Trichloroethane

Concen: 50.592 ug/l

RT: 8.05 min Scan# 2164

Delta R.T. 0.00 min

Lab File: VU034243.D

Acq: 04 Sep 2019 09:24

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

Tgt Ion: 97 Resp: 213057

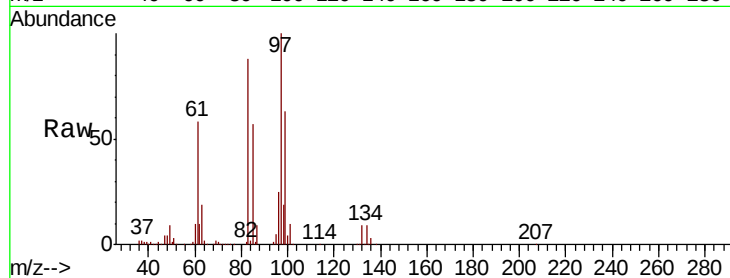
Ion Ratio Lower Upper

97 100

83 87.6 70.1 105.1

85 56.6 45.0 67.4

99 63.2 49.8 74.8

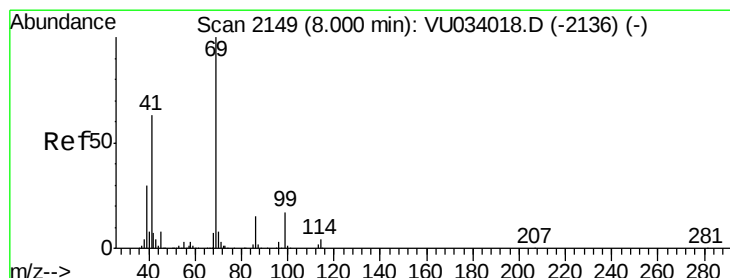
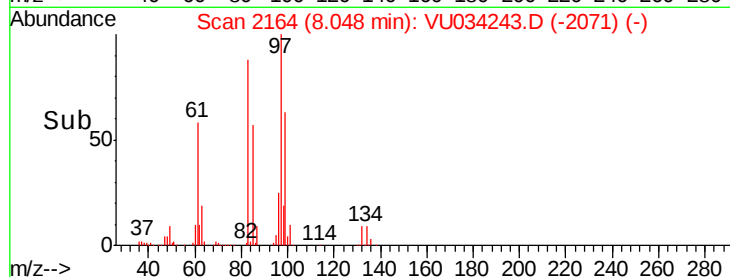
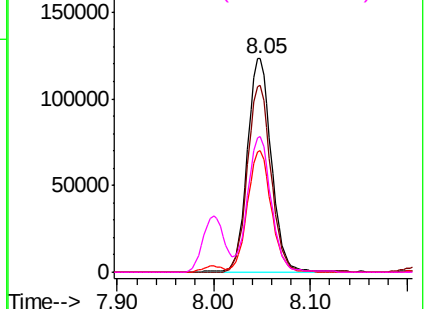


Abundance Ion 96.90 (96.60 to 97.60): VU034018.D (-2142) (-)

Ion 82.90 (82.60 to 83.60): VU034018.D (-2142) (-)

Ion 84.90 (84.60 to 85.60): VU034018.D (-2142) (-)

Ion 98.90 (98.60 to 99.60): VU034018.D (-2142) (-)



#56

Ethyl methacrylate

Concen: 44.357 ug/l

RT: 8.00 min Scan# 2149

Delta R.T. 0.00 min

Lab File: VU034243.D

Acq: 04 Sep 2019 09:24

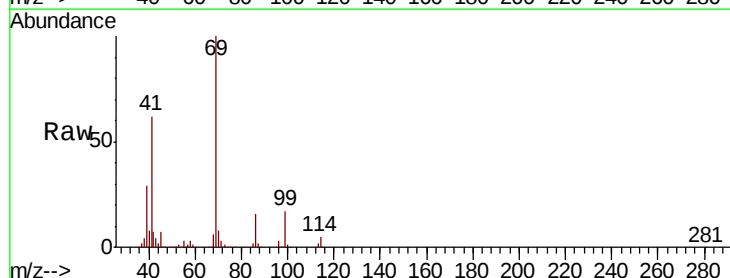
Tgt Ion: 69 Resp: 309072

Ion Ratio Lower Upper

69 100

41 62.5 50.7 76.1

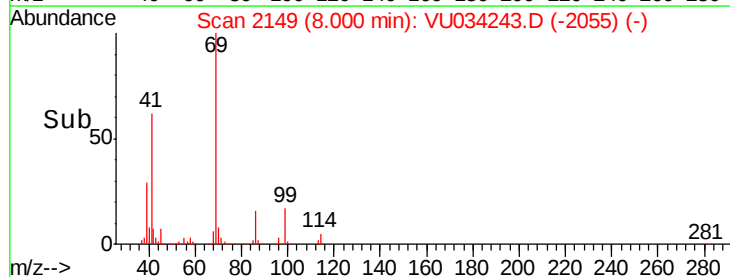
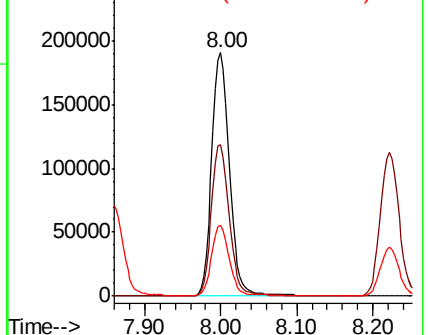
39 28.6 24.2 36.2

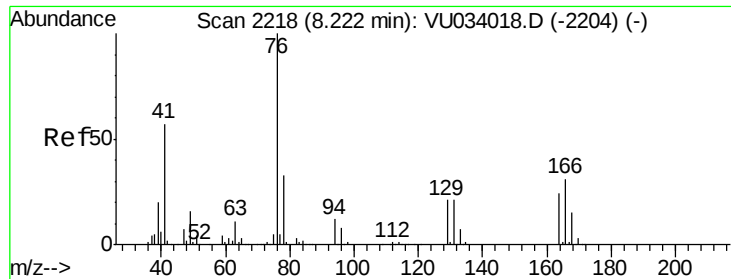


Abundance Ion 69.00 (68.70 to 69.70): VU034018.D (-2136) (-)

Ion 41.00 (40.70 to 41.70): VU034018.D (-2136) (-)

Ion 39.00 (38.70 to 39.70): VU034018.D (-2136) (-)

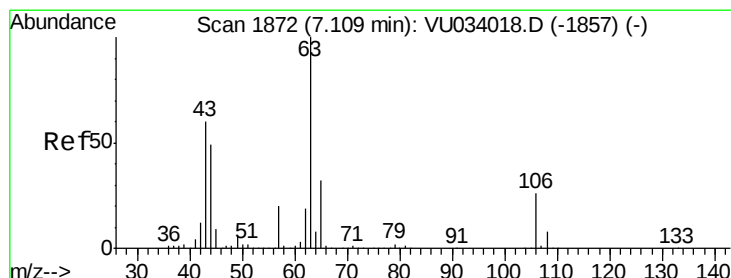
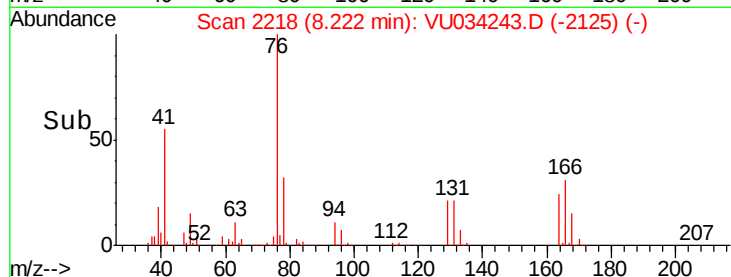
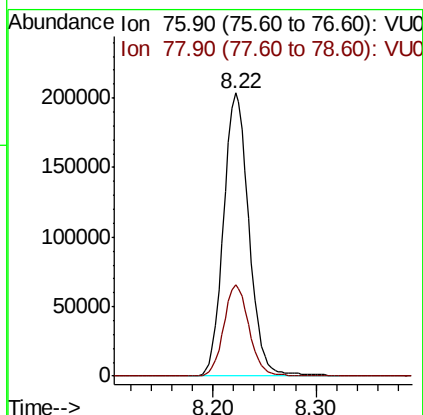
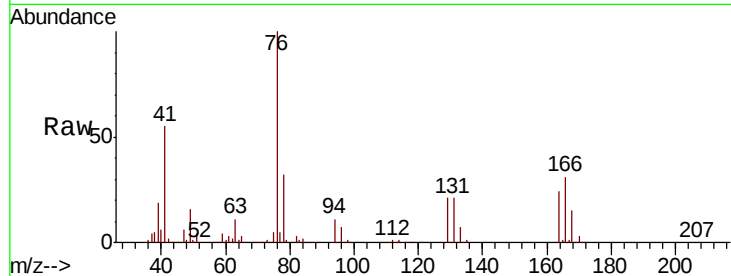




#57
 1,3-Dichloropropane
 Concen: 48.981 ug/l
 RT: 8.22 min Scan# 2218
 Delta R.T. 0.00 min
 Lab File: VU034243.D
 Acq: 04 Sep 2019 09:24

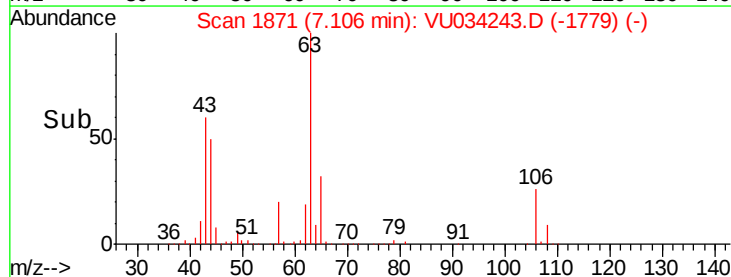
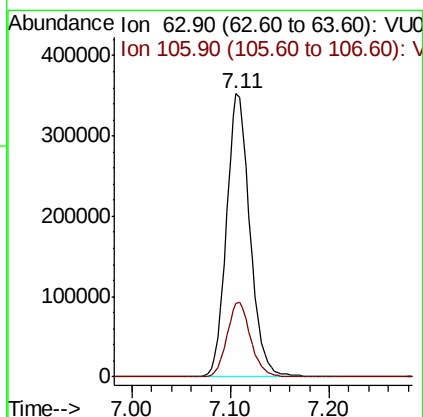
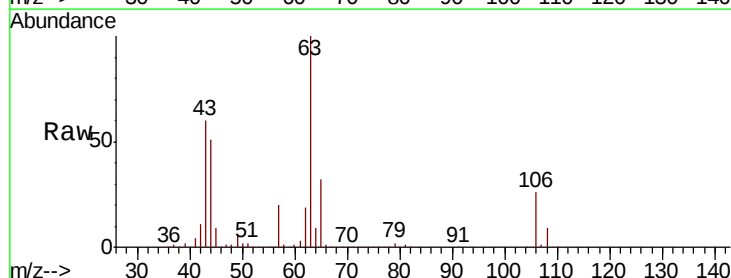
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

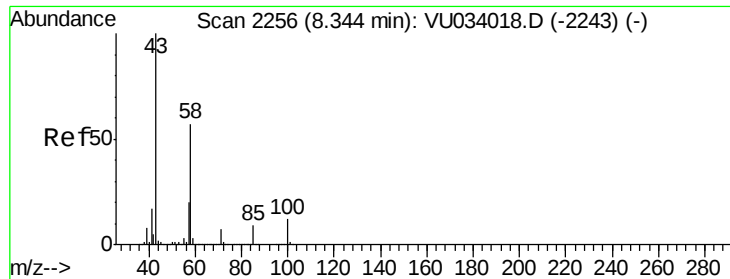
Tgt Ion: 76 Resp: 350242
 Ion Ratio Lower Upper
 76 100
 78 32.2 26.2 39.4



#58
 2-Chloroethyl Vinyl ether
 Concen: 252.617 ug/l
 RT: 7.11 min Scan# 1871
 Delta R.T. -0.00 min
 Lab File: VU034243.D
 Acq: 04 Sep 2019 09:24

Tgt Ion: 63 Resp: 588548
 Ion Ratio Lower Upper
 63 100
 106 26.5 20.7 31.1

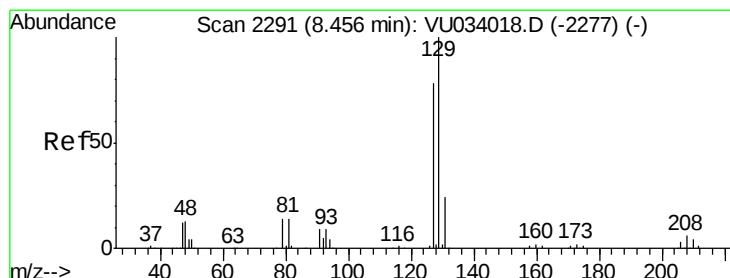
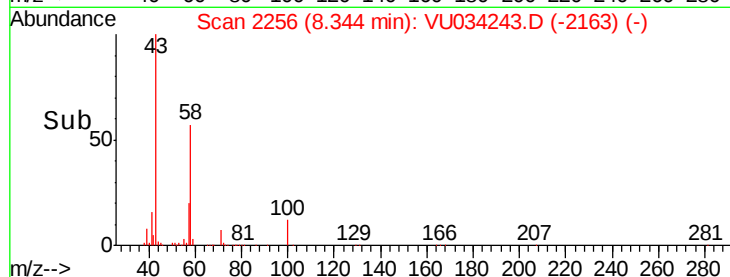
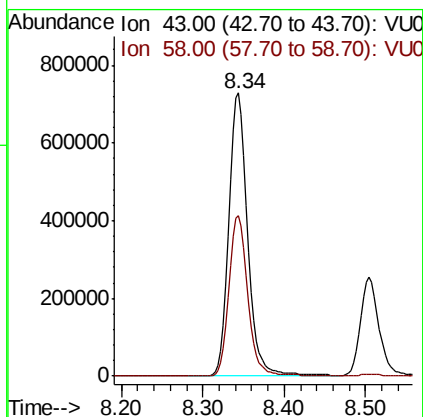
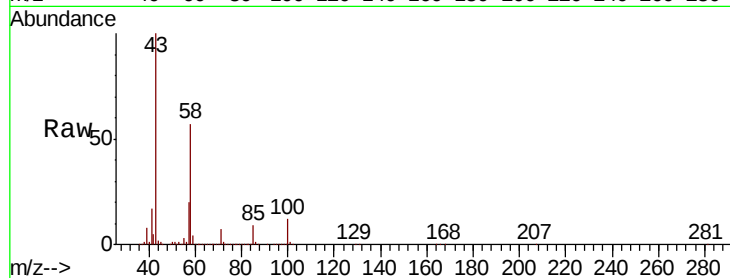




#59
2-Hexanone
Concen: 250.862 ug/l
RT: 8.34 min Scan# 2256
Delta R.T. 0.00 min
Lab File: VU034243.D
Acq: 04 Sep 2019 09:24

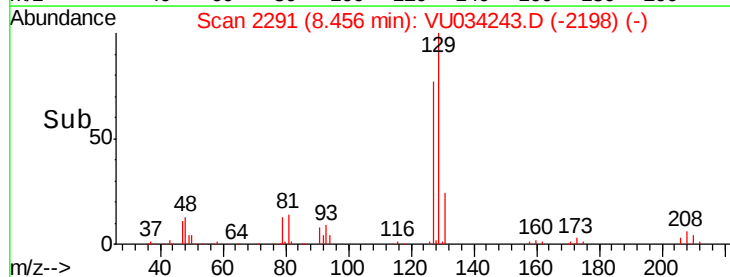
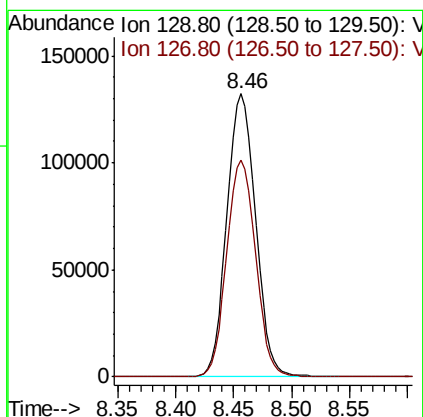
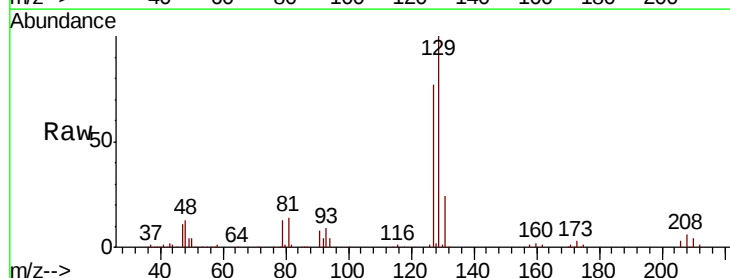
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

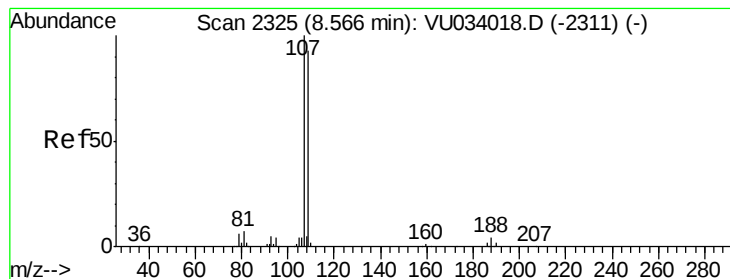
Tgt Ion: 43 Resp: 1190213
Ion Ratio Lower Upper
43 100
58 57.0 28.4 85.3



#60
Dibromochloromethane
Concen: 50.303 ug/l
RT: 8.46 min Scan# 2291
Delta R.T. 0.00 min
Lab File: VU034243.D
Acq: 04 Sep 2019 09:24

Tgt Ion: 129 Resp: 227395
Ion Ratio Lower Upper
129 100
127 77.1 39.0 116.9





#61

1,2-Dibromoethane

Concen: 48.760 ug/l

RT: 8.57 min Scan# 2325

Delta R.T. 0.00 min

Lab File: VU034243.D

Acq: 04 Sep 2019 09:24

Instrument :

MSVOA_U

ClientSampleId :

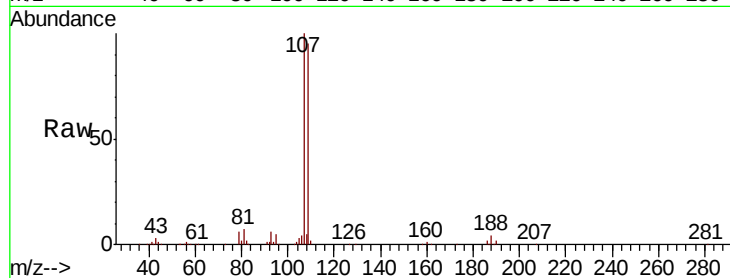
VSTDCCC050

Tgt Ion: 107 Resp: 216310

Ion Ratio Lower Upper

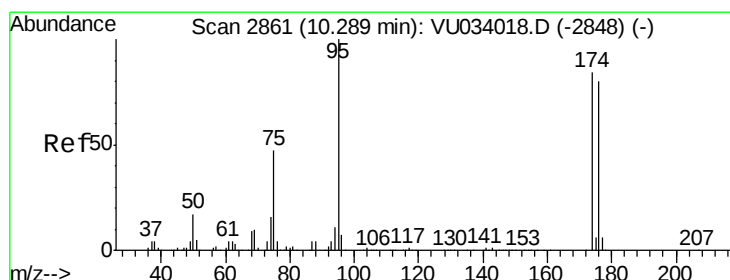
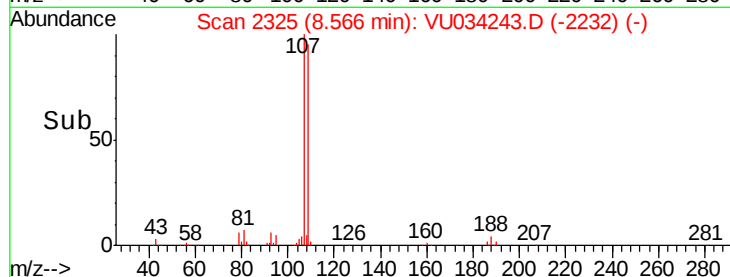
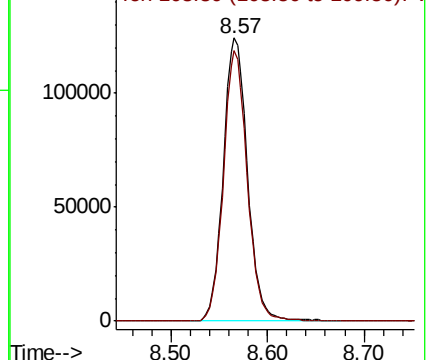
107 100

109 93.6 75.2 112.8



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 51.543 ug/l

RT: 10.29 min Scan# 2861

Delta R.T. 0.00 min

Lab File: VU034243.D

Acq: 04 Sep 2019 09:24

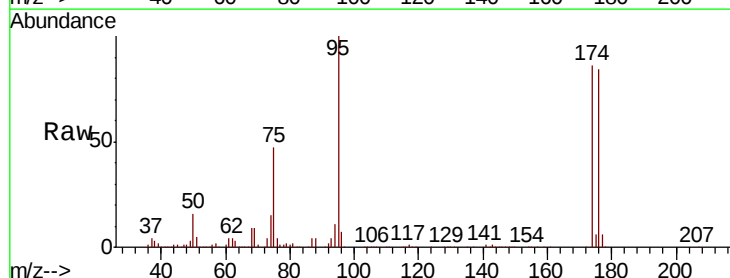
Tgt Ion: 95 Resp: 294064

Ion Ratio Lower Upper

95 100

174 85.7 0.0 168.8

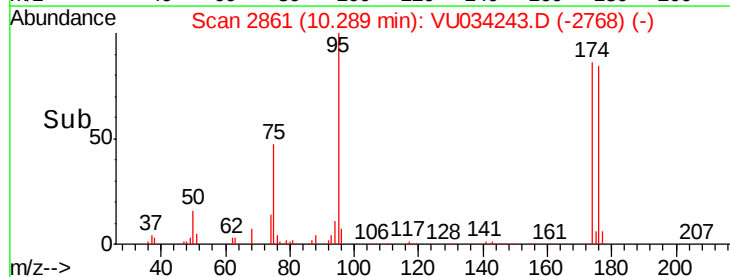
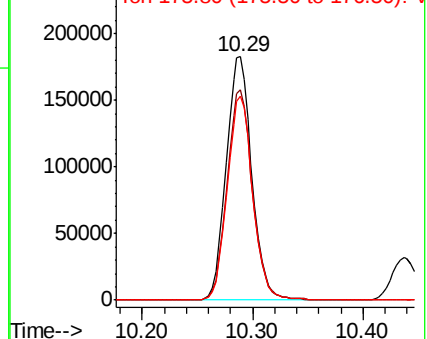
176 83.4 0.0 161.8

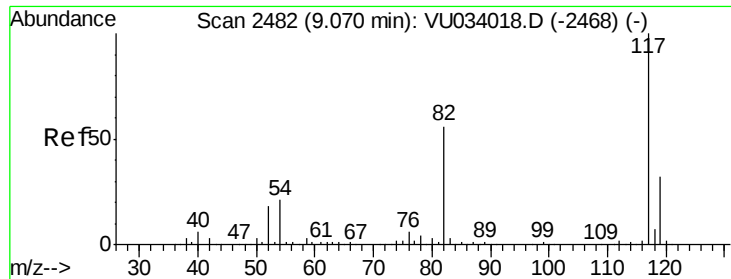


Abundance Ion 94.90 (94.60 to 95.60): VU0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

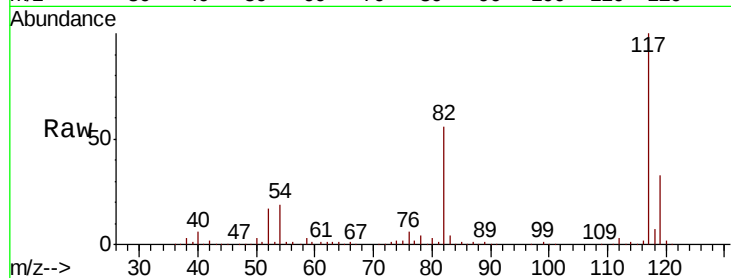




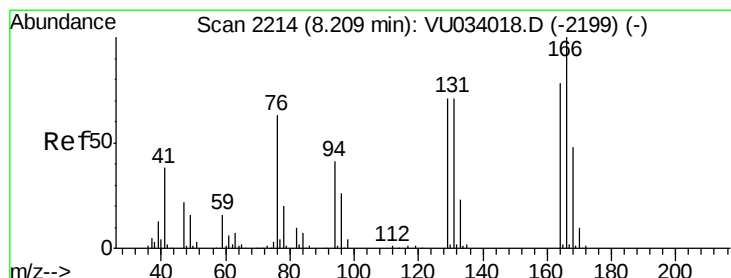
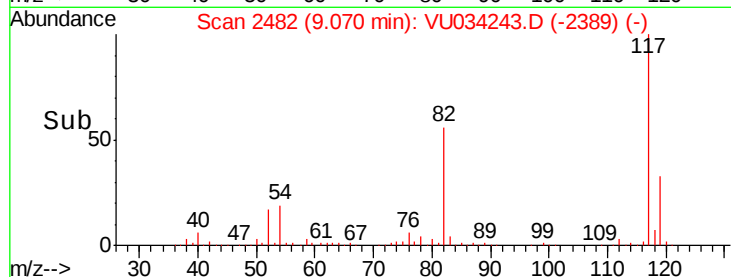
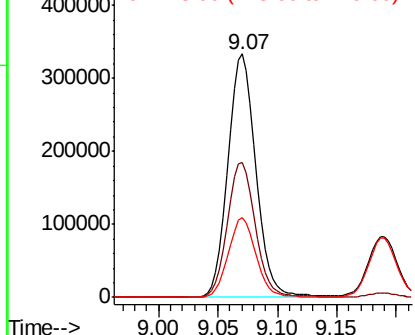
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.07 min Scan# 2482
Delta R.T. 0.00 min
Lab File: VU034243.D
Acq: 04 Sep 2019 09:24

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tgt Ion:117 Resp: 545549
Ion Ratio Lower Upper
117 100
82 55.6 45.1 67.7
119 32.9 25.4 38.0

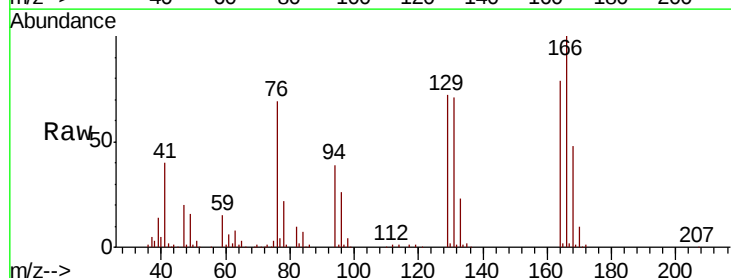


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VU034018.D (-2468) (-)
Ion 118.90 (118.60 to 119.60): V

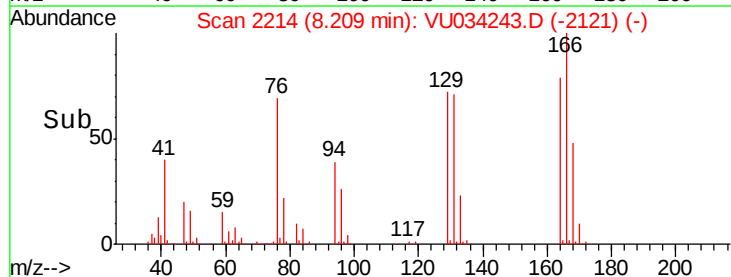
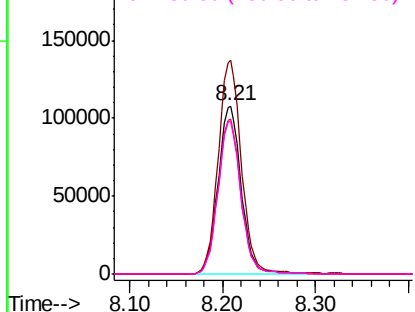


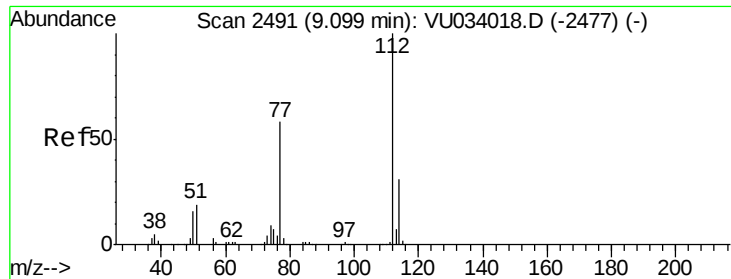
#64
Tetrachloroethene
Concen: 51.194 ug/l
RT: 8.21 min Scan# 2214
Delta R.T. 0.00 min
Lab File: VU034243.D
Acq: 04 Sep 2019 09:24

Tgt Ion:164 Resp: 187561
Ion Ratio Lower Upper
164 100
166 127.2 102.2 153.2
129 92.1 72.4 108.6
131 90.6 72.1 108.1



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

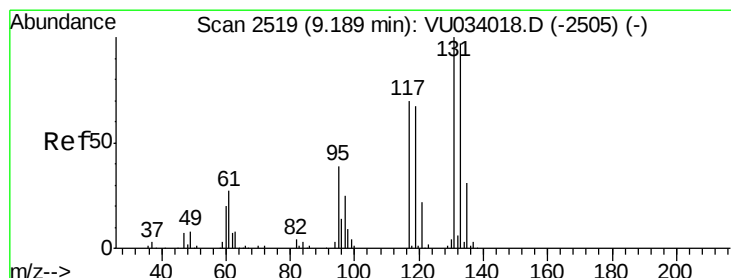
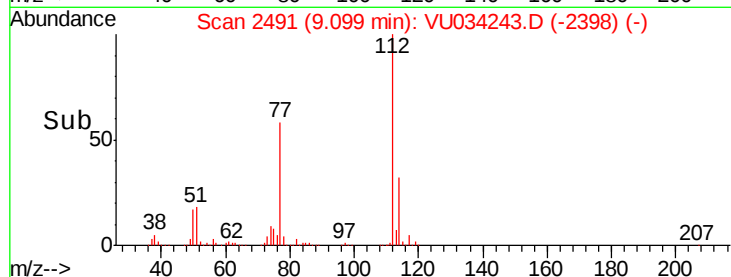
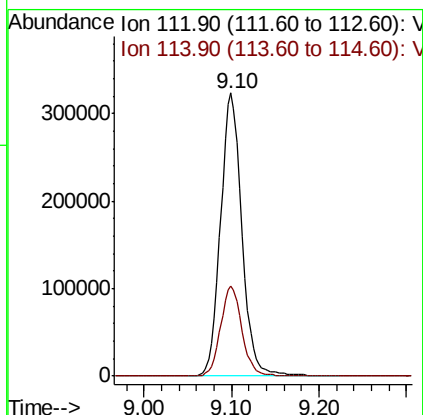
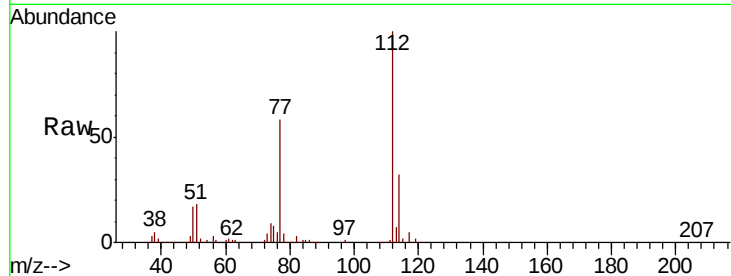




#65
Chlorobenzene
Concen: 48.918 ug/l
RT: 9.10 min Scan# 2491
Delta R.T. 0.00 min
Lab File: VU034243.D
Acq: 04 Sep 2019 09:24

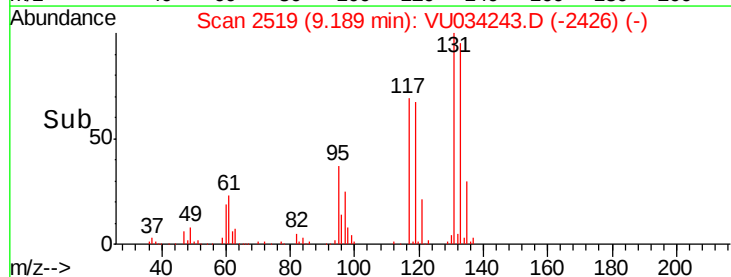
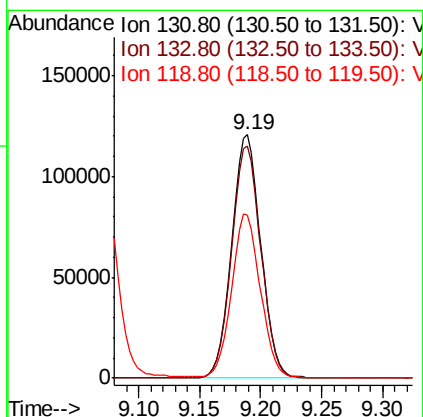
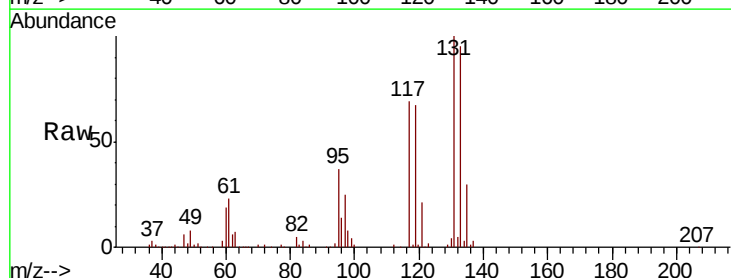
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

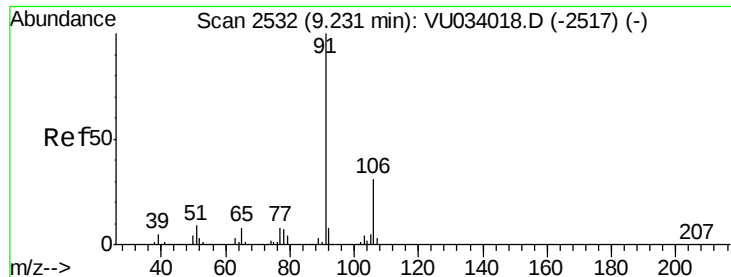
Tgt Ion:112 Resp: 549197
Ion Ratio Lower Upper
112 100
114 31.8 25.0 37.4



#66
1,1,1,2-Tetrachloroethane
Concen: 49.185 ug/l
RT: 9.19 min Scan# 2519
Delta R.T. 0.00 min
Lab File: VU034243.D
Acq: 04 Sep 2019 09:24

Tgt Ion:131 Resp: 200232
Ion Ratio Lower Upper
131 100
133 96.3 48.4 145.2
119 66.4 33.6 100.6

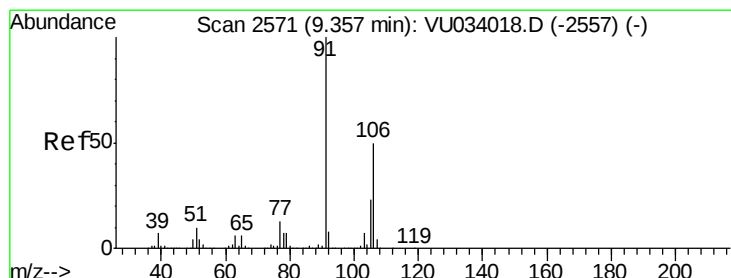
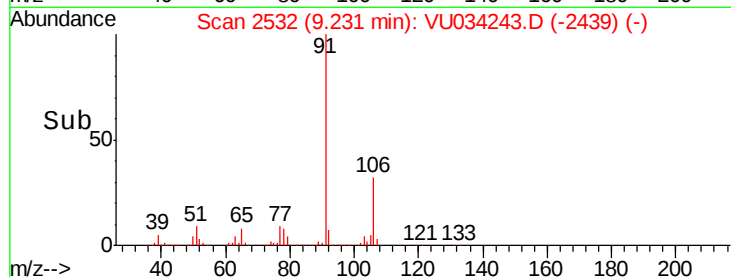
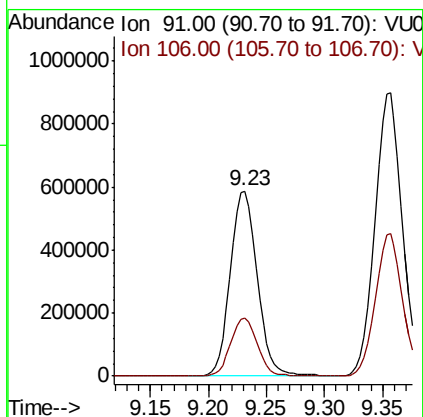
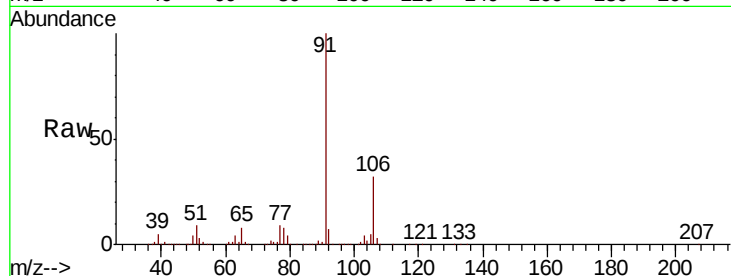




#67
Ethyl Benzene
Concen: 49.701 ug/l
RT: 9.23 min Scan# 2532
Delta R.T. 0.00 min
Lab File: VU034243.D
Acq: 04 Sep 2019 09:24

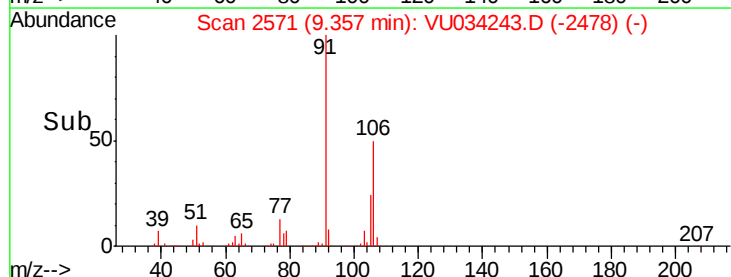
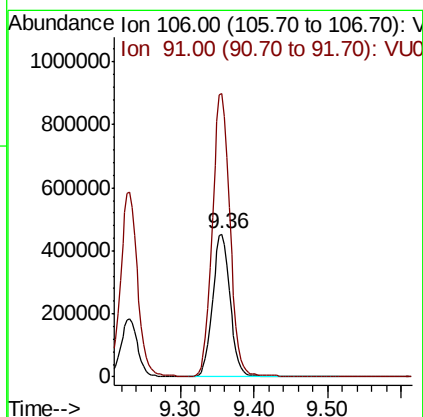
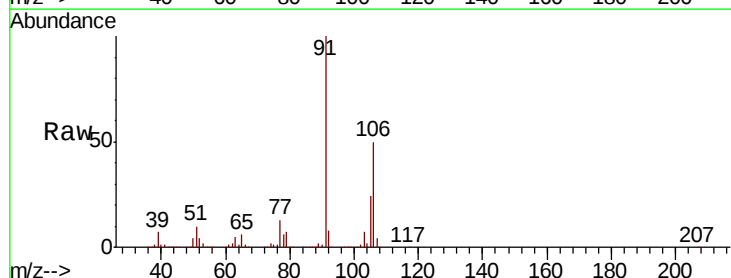
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

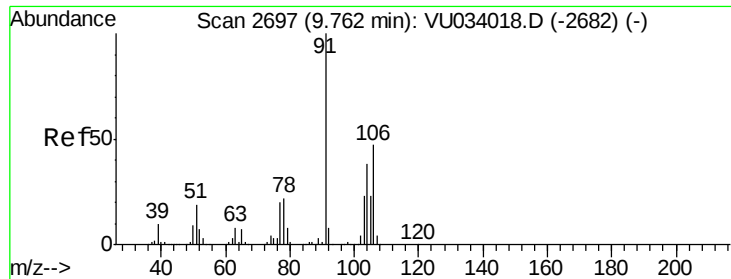
Tgt Ion: 91 Resp: 945862
Ion Ratio Lower Upper
91 100
106 31.7 24.9 37.3



#68
m/p-Xylenes
Concen: 103.243 ug/l
RT: 9.36 min Scan# 2571
Delta R.T. 0.00 min
Lab File: VU034243.D
Acq: 04 Sep 2019 09:24

Tgt Ion: 106 Resp: 747098
Ion Ratio Lower Upper
106 100
91 199.9 161.6 242.4

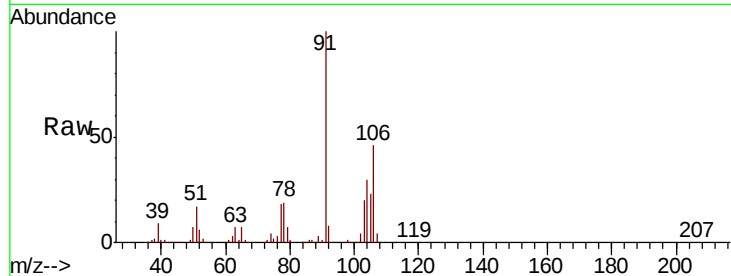




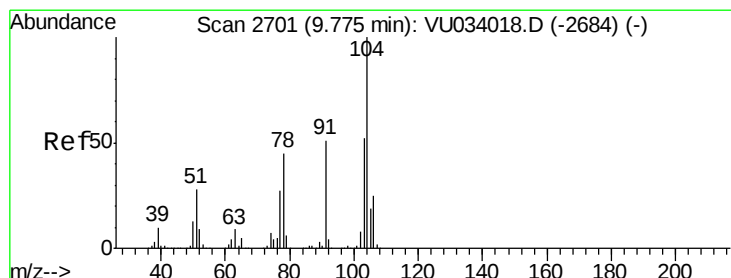
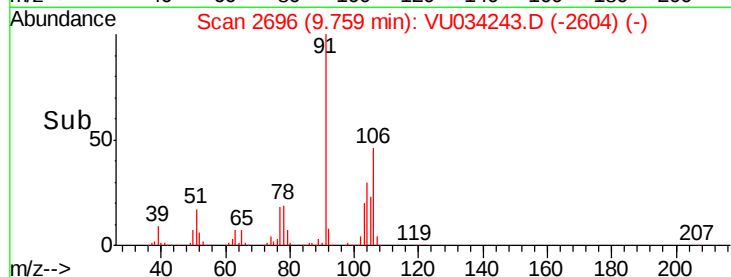
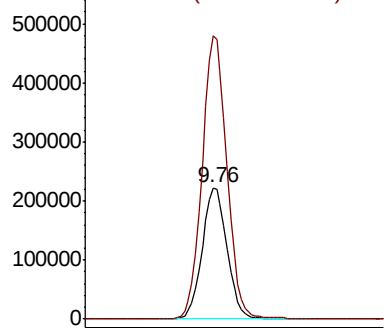
#69
o-Xylene
Concen: 50.128 ug/l
RT: 9.76 min Scan# 2696
Delta R.T. -0.00 min
Lab File: VU034243.D
Acq: 04 Sep 2019 09:24

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tgt Ion:106 Resp: 348016
Ion Ratio Lower Upper
106 100
91 214.1 106.0 318.0

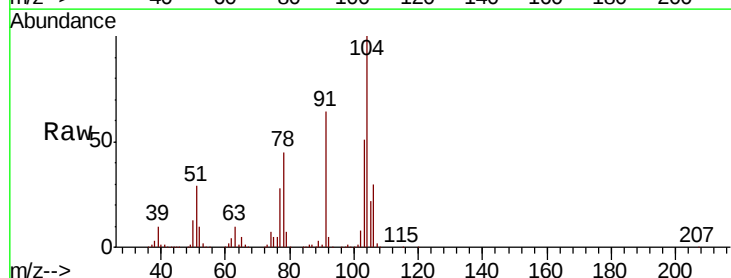


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VU0

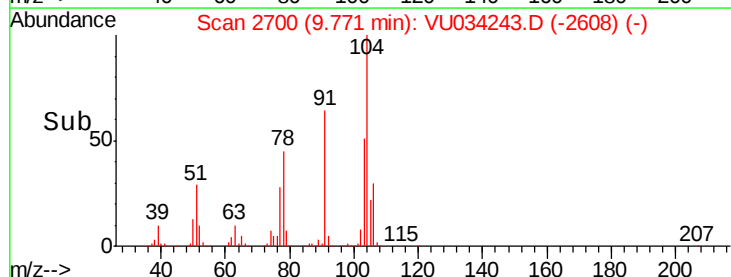
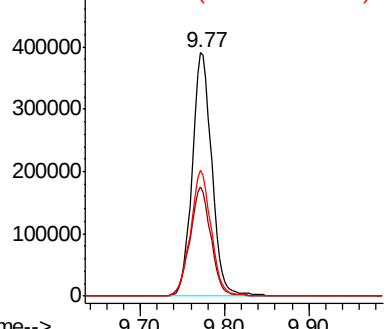


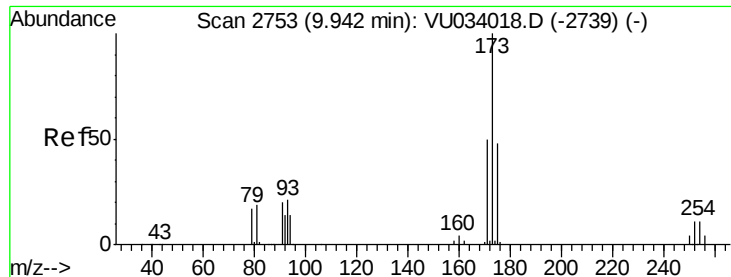
#70
Styrene
Concen: 53.325 ug/l
RT: 9.77 min Scan# 2700
Delta R.T. -0.00 min
Lab File: VU034243.D
Acq: 04 Sep 2019 09:24

Tgt Ion:104 Resp: 634772
Ion Ratio Lower Upper
104 100
78 47.9 39.0 58.4
103 54.4 44.0 66.0



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





#71

Bromoform

Concen: 49.596 ug/l

RT: 9.94 min Scan# 2752

Delta R.T. -0.00 min

Lab File: VU034243.D

Acq: 04 Sep 2019 09:24

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

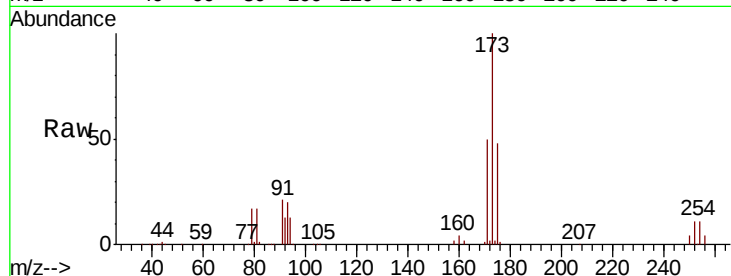
Tgt Ion:173 Resp: 175421

Ion Ratio Lower Upper

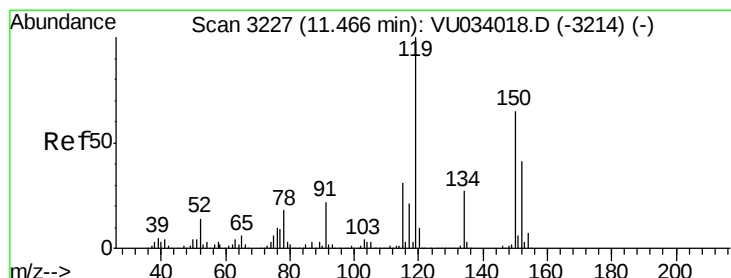
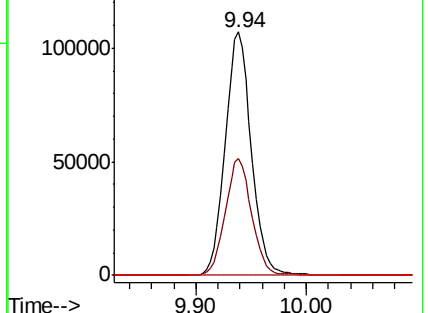
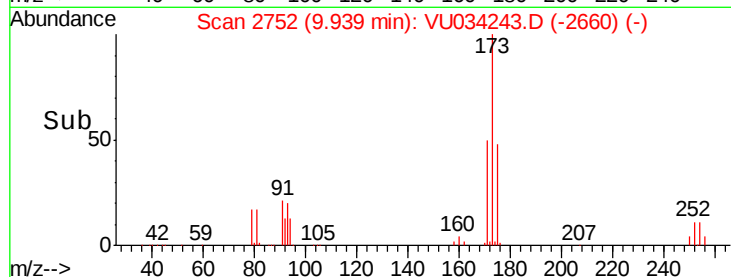
173 100

175 48.4 24.6 73.6

254 0.0 0.0 0.0#



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 11.46 min Scan# 3226

Delta R.T. -0.00 min

Lab File: VU034243.D

Acq: 04 Sep 2019 09:24

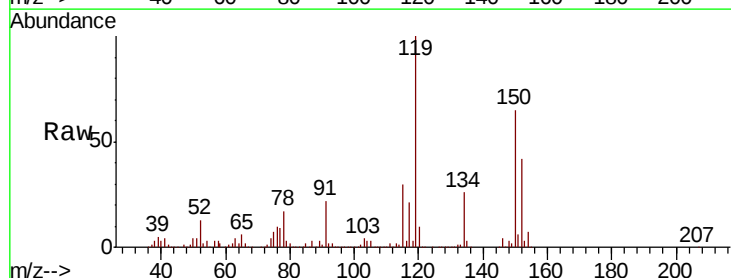
Tgt Ion:152 Resp: 308971

Ion Ratio Lower Upper

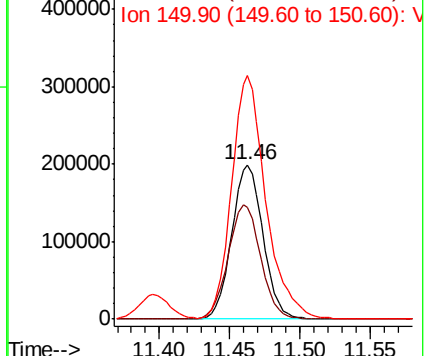
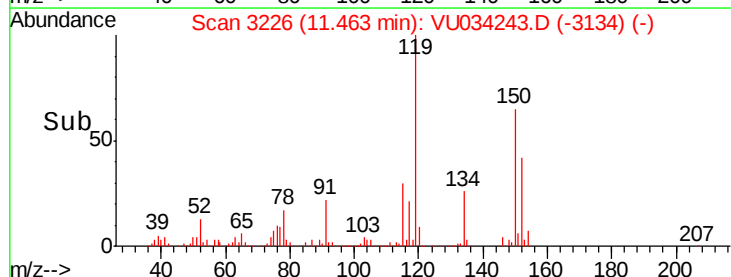
152 100

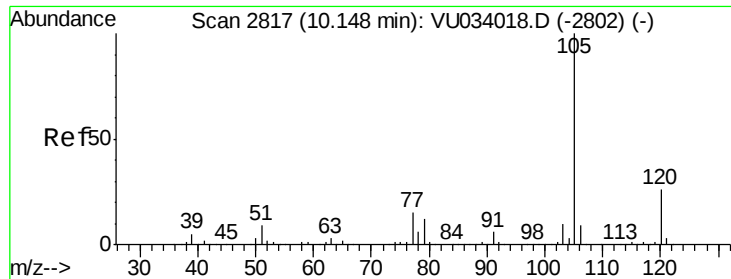
115 76.9 41.1 123.3

150 172.0 0.0 348.8



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: 46.508 ug/l

RT: 10.15 min Scan# 2817

Delta R.T. 0.00 min

Lab File: VU034243.D

Acq: 04 Sep 2019 09:24

Instrument :

MSVOA_U

ClientSampleId :

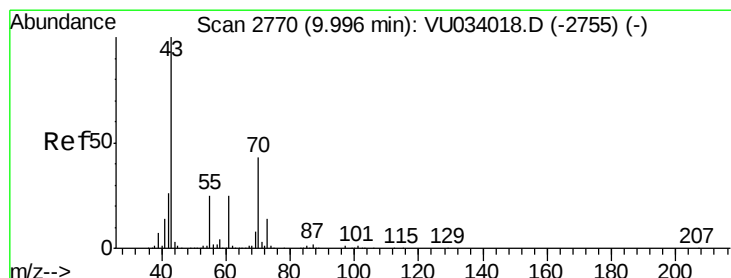
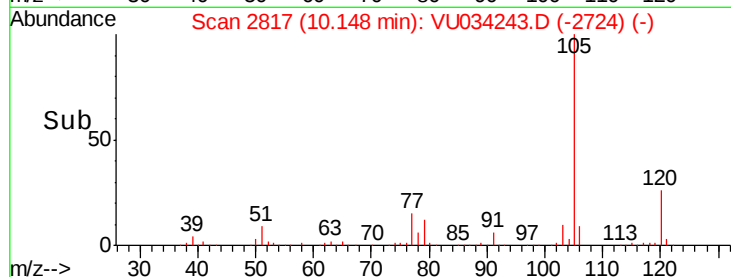
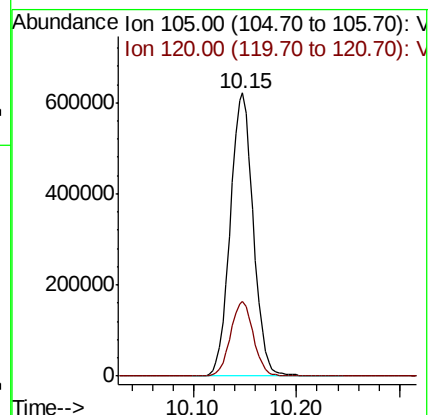
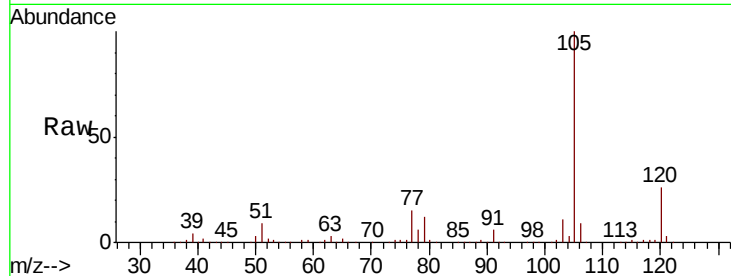
VSTDCCC050

Tgt Ion:105 Resp: 965209

Ion Ratio Lower Upper

105 100

120 26.5 13.3 39.8



#74

N-ethyl acetate

Concen: 46.165 ug/l

RT: 9.99 min Scan# 2769

Delta R.T. -0.00 min

Lab File: VU034243.D

Acq: 04 Sep 2019 09:24

Tgt Ion: 43 Resp: 402958

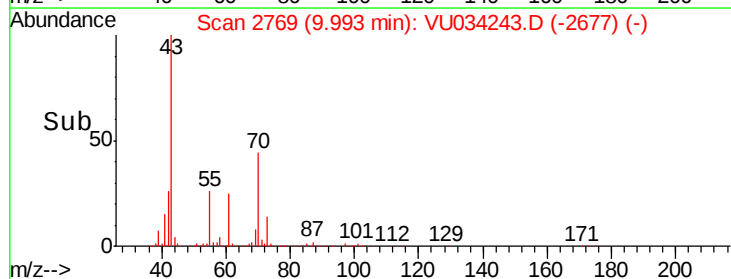
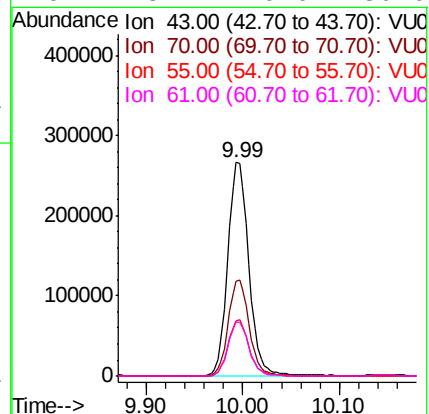
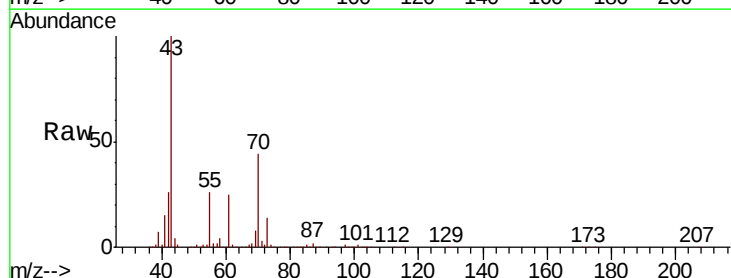
Ion Ratio Lower Upper

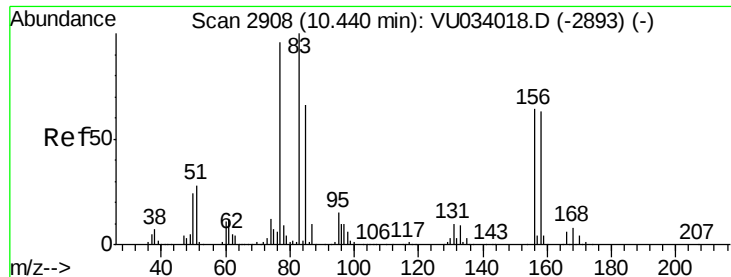
43 100

70 44.7 35.2 52.8

55 26.6 20.5 30.7

61 25.4 20.0 30.0





#75

1,1,2,2-Tetrachloroethane

Concen: 44.537 ug/l

RT: 10.44 min Scan# 2907

Delta R.T. -0.00 min

Lab File: VU034243.D

Acq: 04 Sep 2019 09:24

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

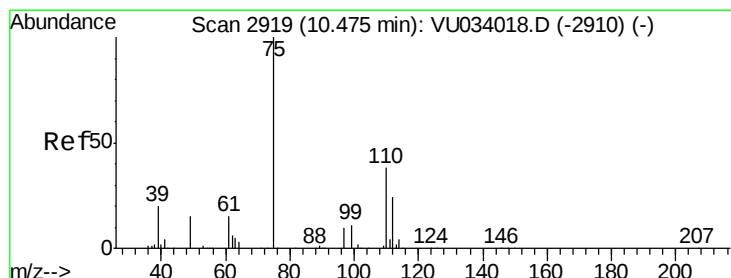
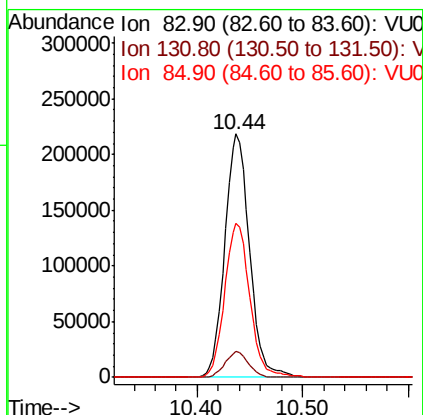
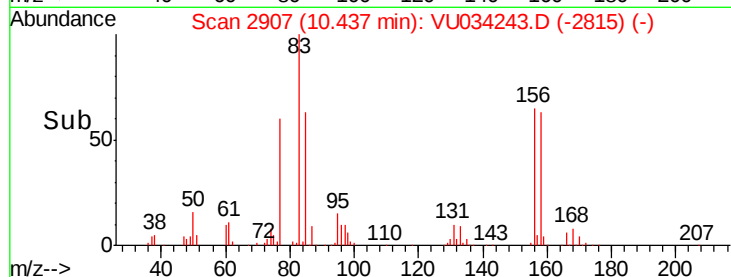
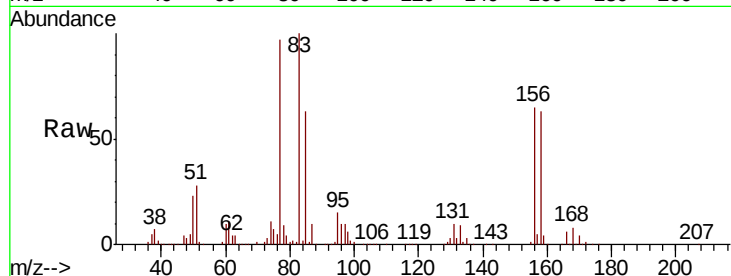
Tgt Ion: 83 Resp: 353775

Ion Ratio Lower Upper

83 100

131 10.0 5.0 14.9

85 64.3 32.2 96.6



#76

1,2,3-Trichloropropane

Concen: 56.612 ug/l

RT: 10.48 min Scan# 2919

Delta R.T. 0.00 min

Lab File: VU034243.D

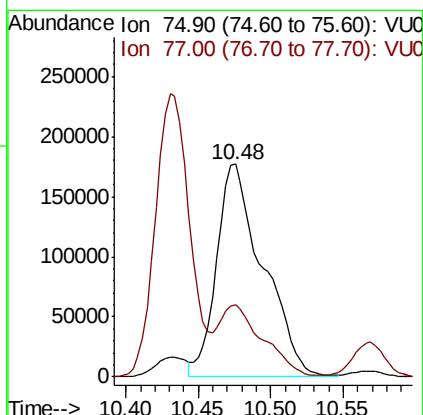
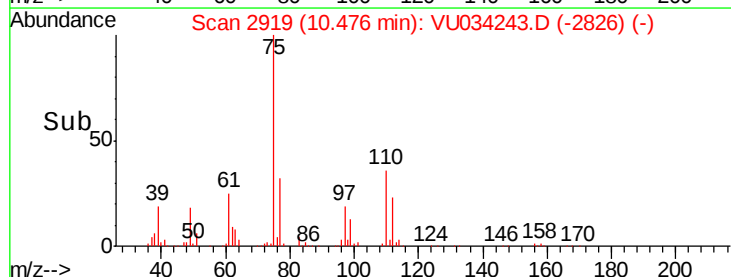
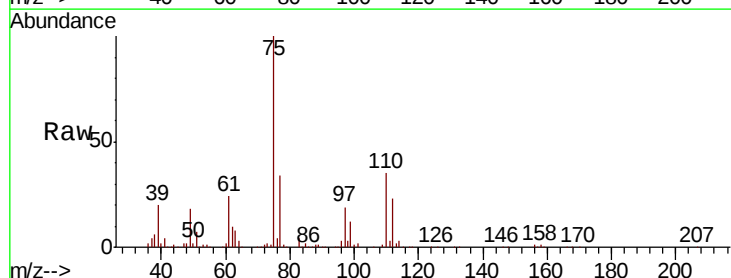
Acq: 04 Sep 2019 09:24

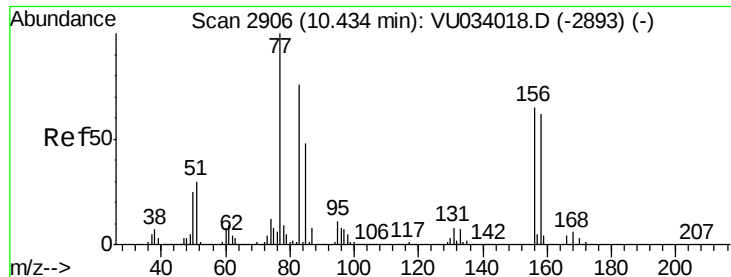
Tgt Ion: 75 Resp: 394225

Ion Ratio Lower Upper

75 100

77 31.7 20.1 60.2





#77

Bromobenzene

Concen: 45.301 ug/l

RT: 10.43 min Scan# 2906

Delta R.T. 0.00 min

Lab File: VU034243.D

Acq: 04 Sep 2019 09:24

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

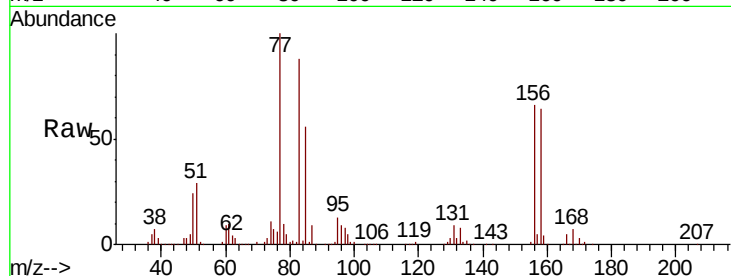
Tgt Ion:156 Resp: 252903

Ion Ratio Lower Upper

156 100

77 155.1 76.8 230.5

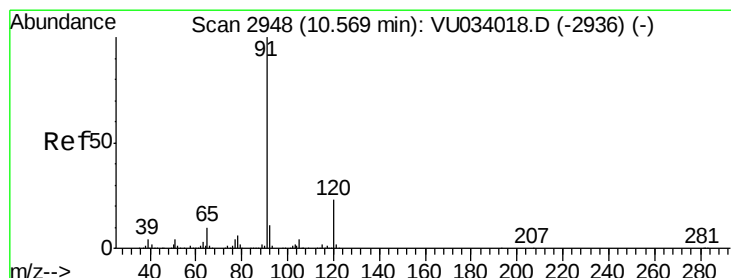
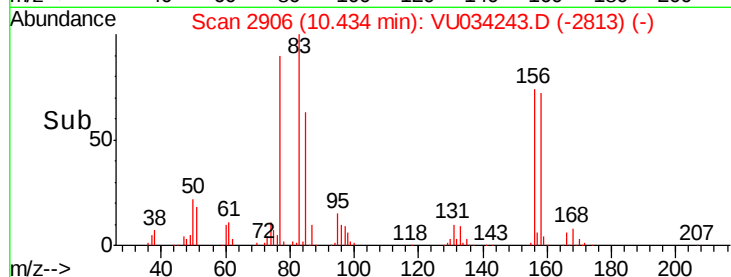
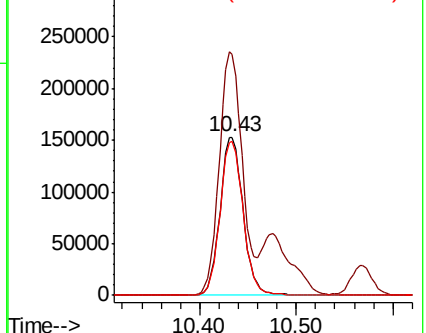
158 97.7 48.4 145.0



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: 47.444 ug/l

RT: 10.57 min Scan# 2948

Delta R.T. 0.00 min

Lab File: VU034243.D

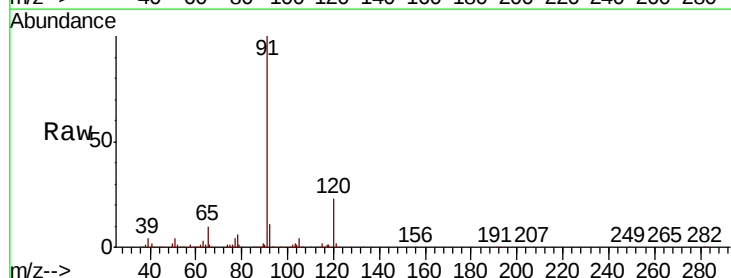
Acq: 04 Sep 2019 09:24

Tgt Ion: 91 Resp: 1146688

Ion Ratio Lower Upper

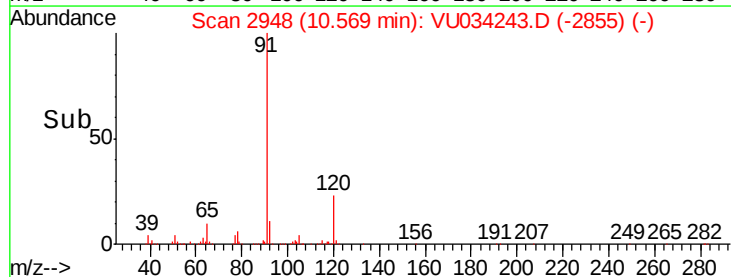
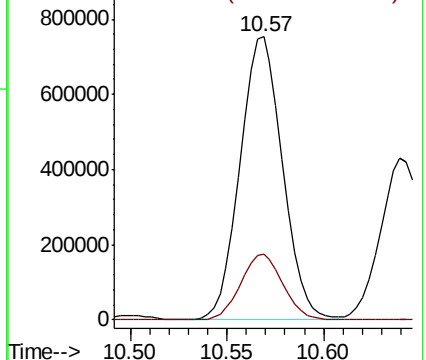
91 100

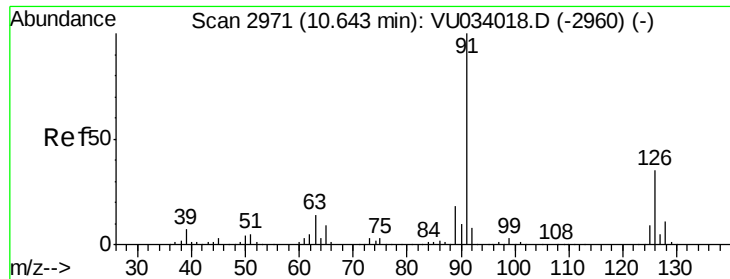
120 23.2 11.7 35.0



Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 120.00 (119.70 to 120.70): V

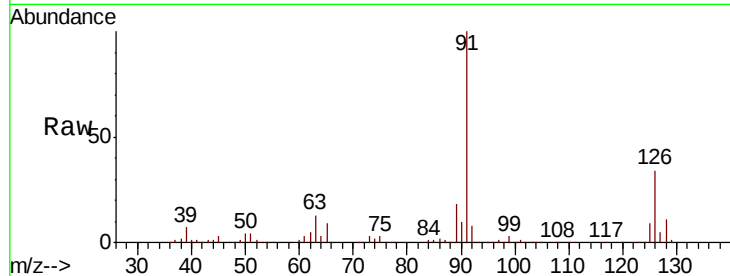




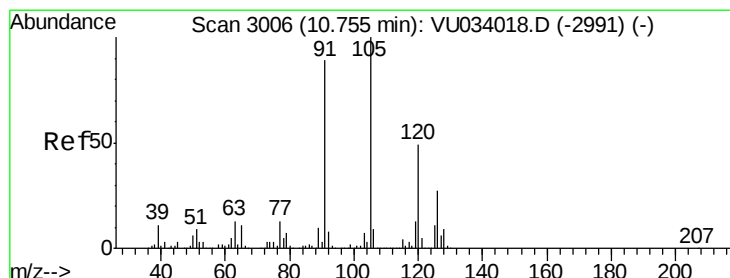
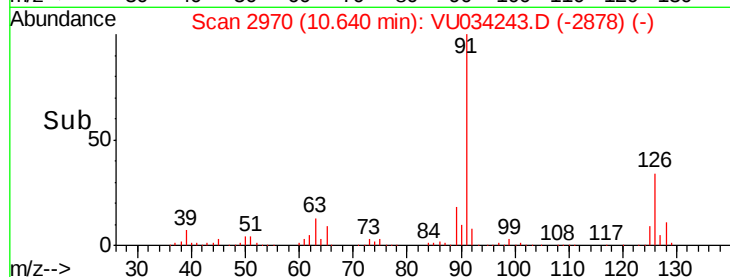
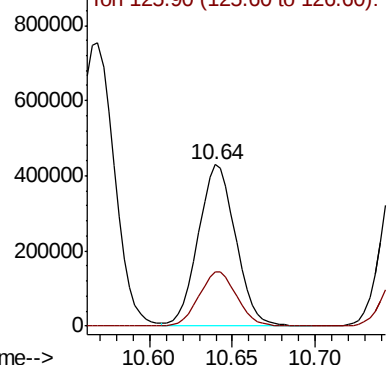
#79
 2-Chlorotoluene
 Concen: 46.189 ug/l
 RT: 10.64 min Scan# 2970
 Delta R.T. -0.00 min
 Lab File: VU034243.D
 Acq: 04 Sep 2019 09:24

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

Tgt Ion: 91 Resp: 669595
 Ion Ratio Lower Upper
 91 100
 126 34.5 17.1 51.2

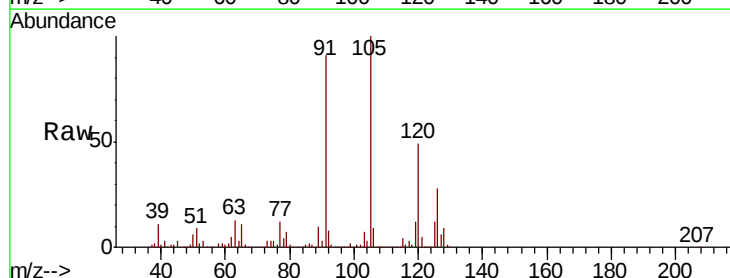


Abundance Ion 91.00 (90.70 to 91.70): VU034018.D (-2960) (-)
 Ion 125.90 (125.60 to 126.60): VU034018.D (-2960) (-)

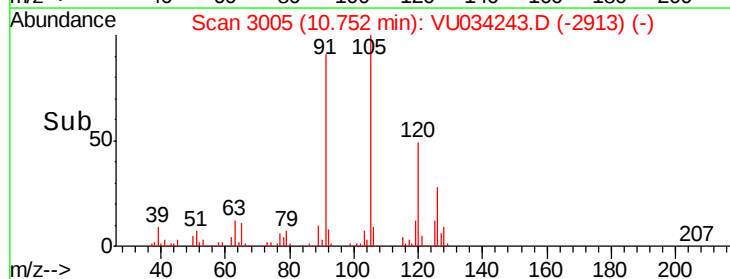
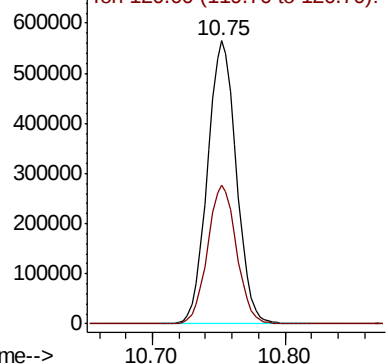


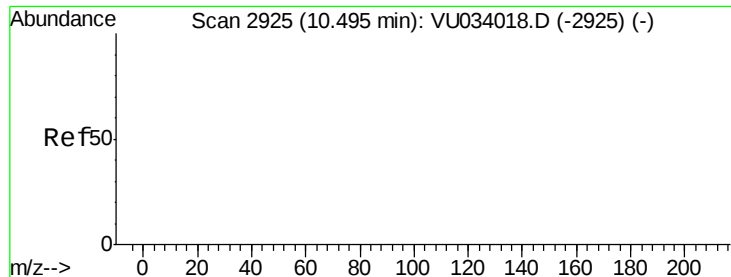
#80
 1,3,5-Trimethylbenzene
 Concen: 48.426 ug/l
 RT: 10.75 min Scan# 3005
 Delta R.T. -0.00 min
 Lab File: VU034243.D
 Acq: 04 Sep 2019 09:24

Tgt Ion: 105 Resp: 851796
 Ion Ratio Lower Upper
 105 100
 120 49.2 24.6 73.6



Abundance Ion 105.00 (104.70 to 105.70): VU034018.D (-2991) (-)
 Ion 120.00 (119.70 to 120.70): VU034018.D (-2991) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 190.625 ug/l

RT: 10.48 min Scan# 2919

Delta R.T. -0.02 min

Lab File: VU034243.D

Acq: 04 Sep 2019 09:24

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

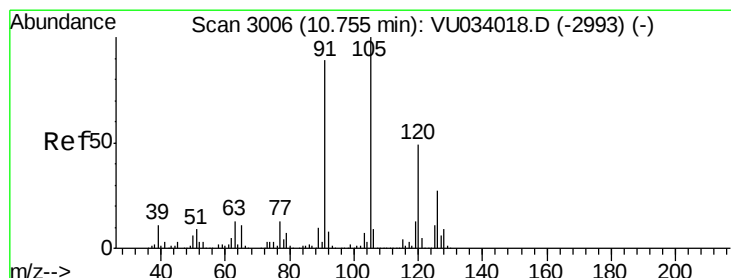
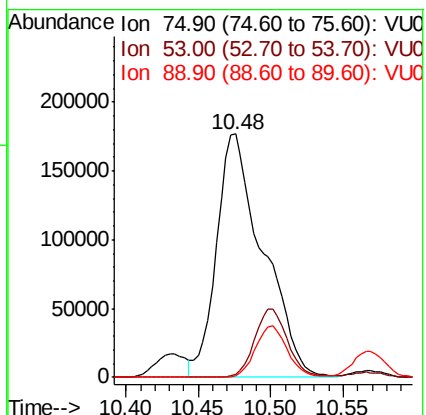
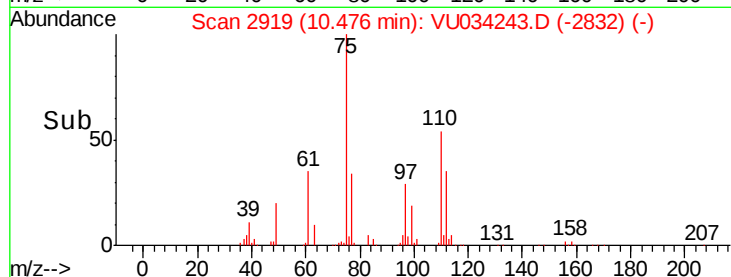
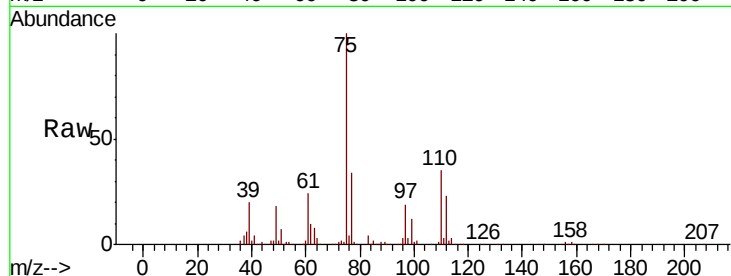
Tgt Ion: 75 Resp: 394225

Ion Ratio Lower Upper

75 100

53 0.0 0.0 0.0

89 0.0 0.0 0.0



#82

4-Chlorotoluene

Concen: 47.363 ug/l

RT: 10.75 min Scan# 3005

Delta R.T. -0.00 min

Lab File: VU034243.D

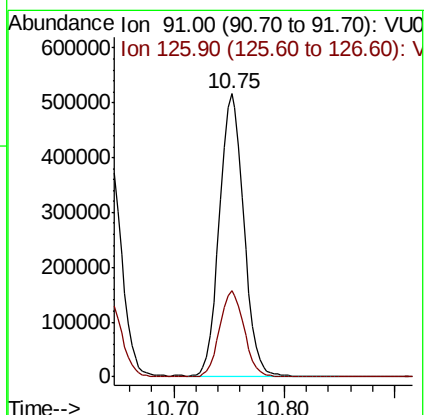
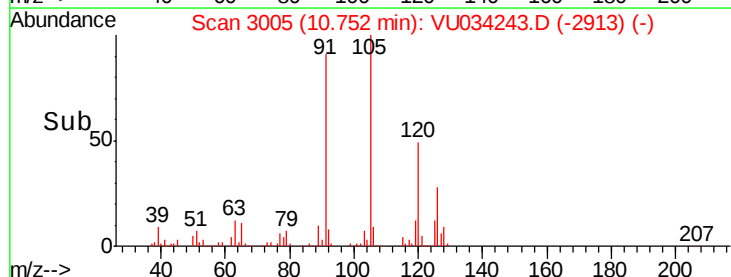
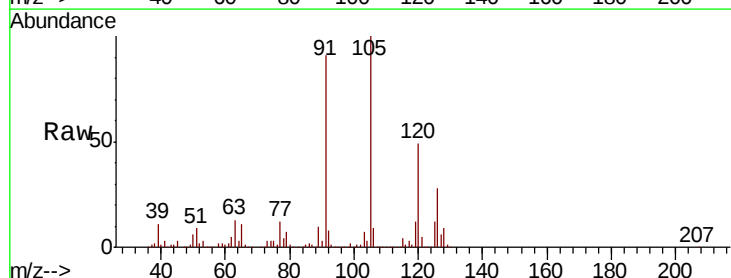
Acq: 04 Sep 2019 09:24

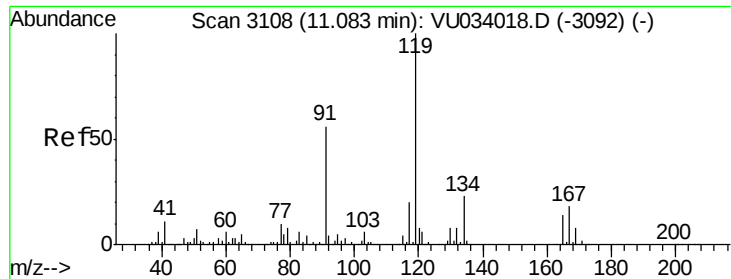
Tgt Ion: 91 Resp: 789665

Ion Ratio Lower Upper

91 100

126 30.7 15.0 45.1

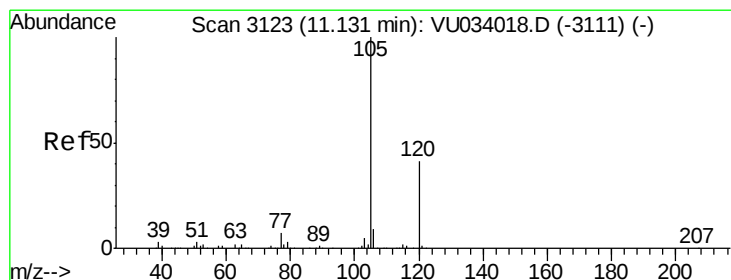
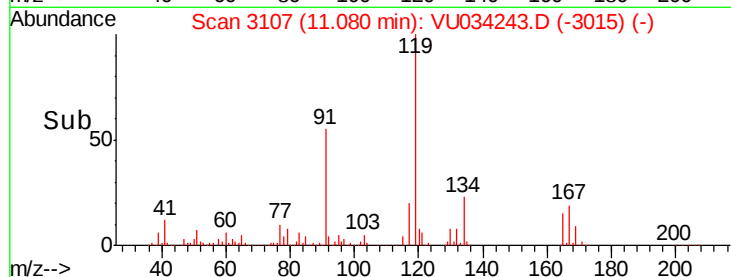
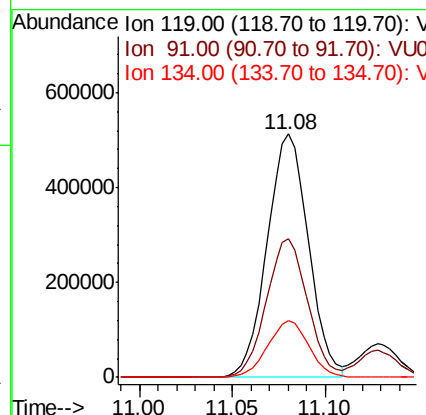
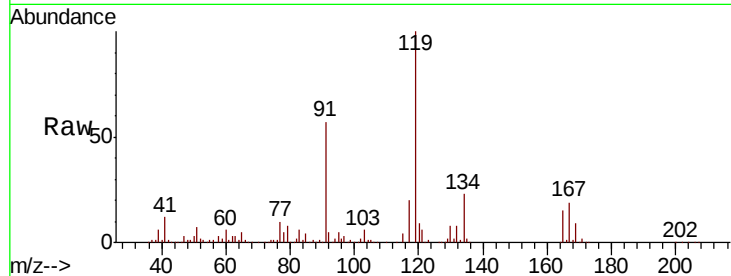




#83
 tert-Butylbenzene
 Concen: 45.810 ug/l
 RT: 11.08 min Scan# 3107
 Delta R.T. -0.00 min
 Lab File: VU034243.D
 Acq: 04 Sep 2019 09:24

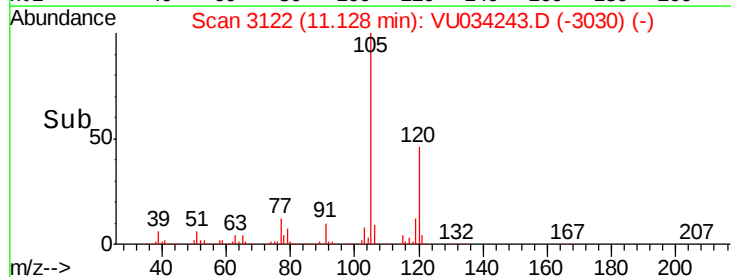
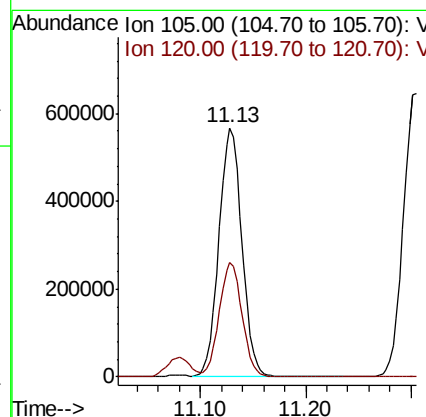
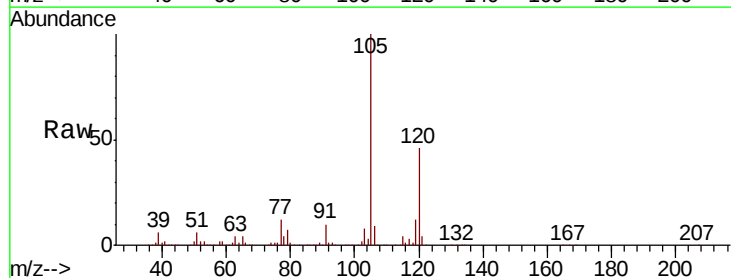
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

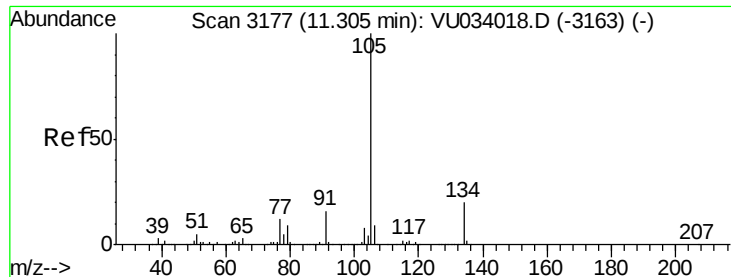
Tgt Ion:119 Resp: 793239
 Ion Ratio Lower Upper
 119 100
 91 56.5 27.9 83.6
 134 23.2 11.4 34.2



#84
 1,2,4-Trimethylbenzene
 Concen: 49.003 ug/l
 RT: 11.13 min Scan# 3122
 Delta R.T. -0.00 min
 Lab File: VU034243.D
 Acq: 04 Sep 2019 09:24

Tgt Ion:105 Resp: 855909
 Ion Ratio Lower Upper
 105 100
 120 45.8 22.6 67.8

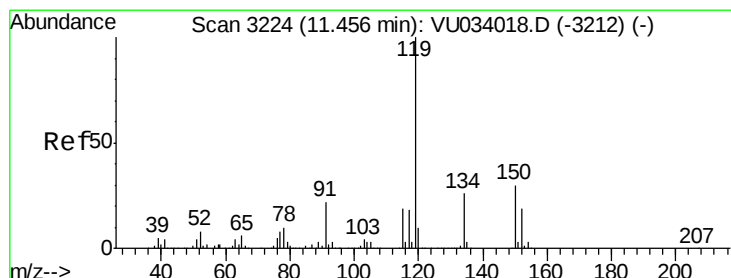
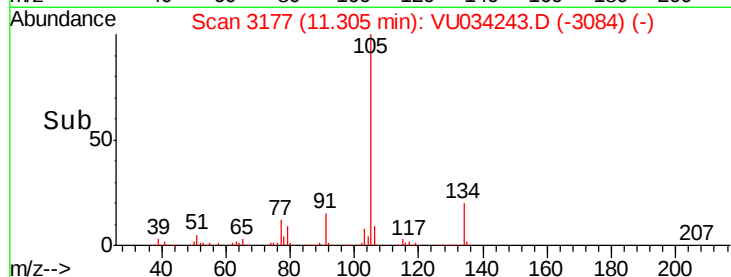
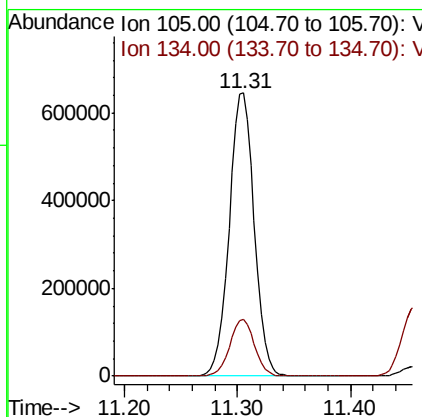
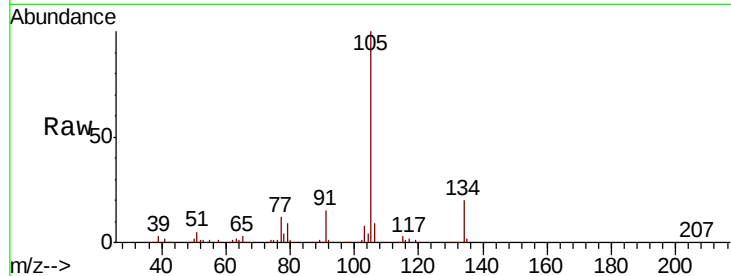




#85
 sec-Butylbenzene
 Concen: 47.532 ug/l
 RT: 11.31 min Scan# 3177
 Delta R.T. 0.00 min
 Lab File: VU034243.D
 Acq: 04 Sep 2019 09:24

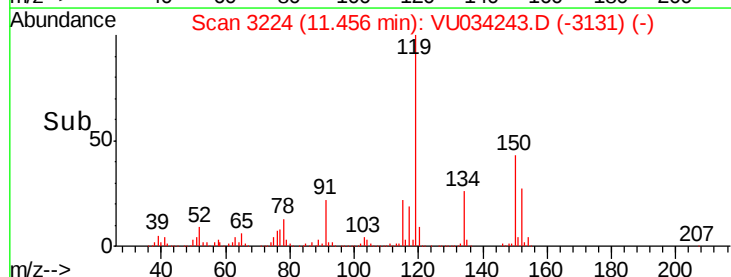
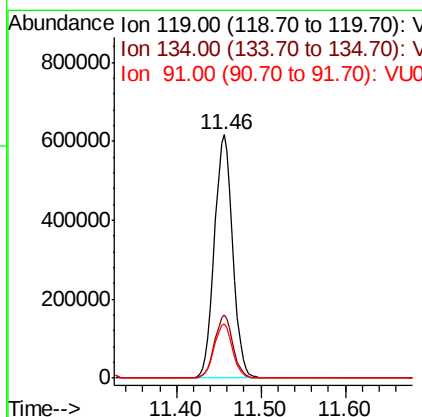
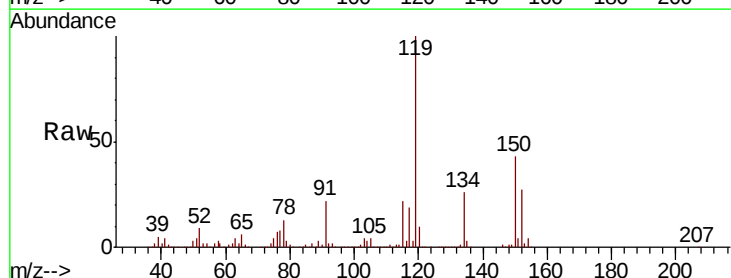
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

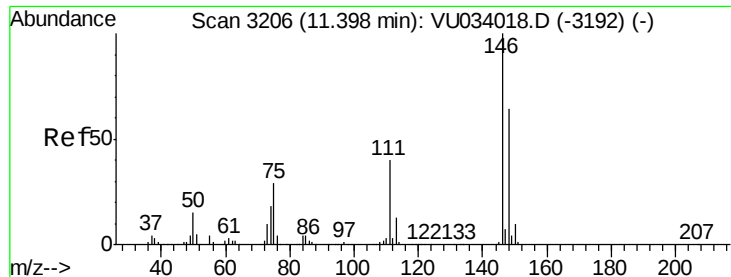
Tgt Ion:105 Resp: 986475
 Ion Ratio Lower Upper
 105 100
 134 19.9 10.0 30.0



#86
 p-Isopropyltoluene
 Concen: 49.250 ug/l
 RT: 11.46 min Scan# 3224
 Delta R.T. 0.00 min
 Lab File: VU034243.D
 Acq: 04 Sep 2019 09:24

Tgt Ion:119 Resp: 924444
 Ion Ratio Lower Upper
 119 100
 134 26.0 13.1 39.1
 91 22.4 11.2 33.6





#87

1,3-Dichlorobenzene

Concen: 48.067 ug/l

RT: 11.40 min Scan# 3205

Delta R.T. -0.00 min

Lab File: VU034243.D

Acq: 04 Sep 2019 09:24

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

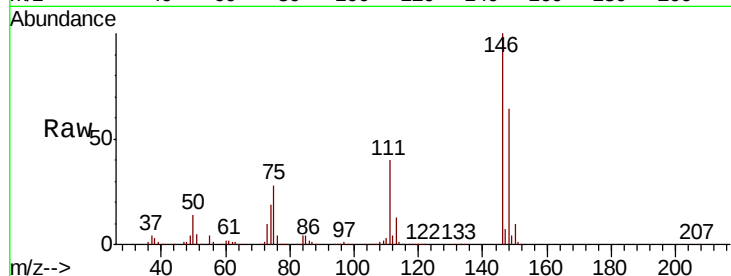
Tgt Ion:146 Resp: 475071

Ion Ratio Lower Upper

146 100

111 39.5 19.9 59.6

148 63.6 31.9 95.5

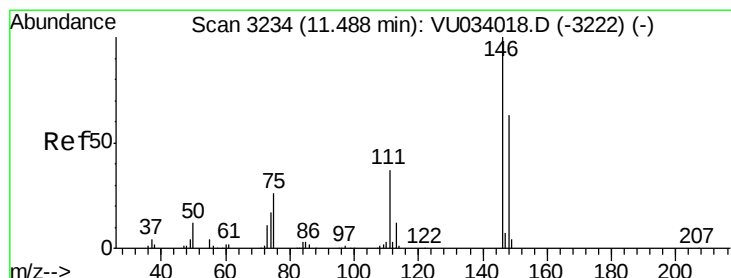
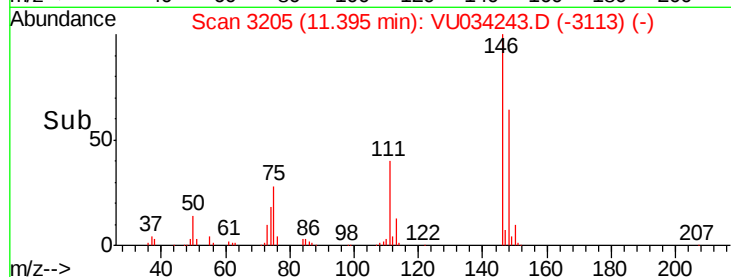
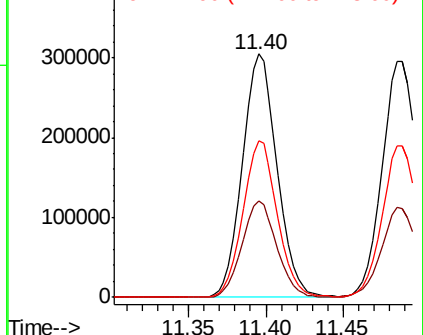


Abundance

Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#88

1,4-Dichlorobenzene

Concen: 47.825 ug/l

RT: 11.49 min Scan# 3233

Delta R.T. -0.00 min

Lab File: VU034243.D

Acq: 04 Sep 2019 09:24

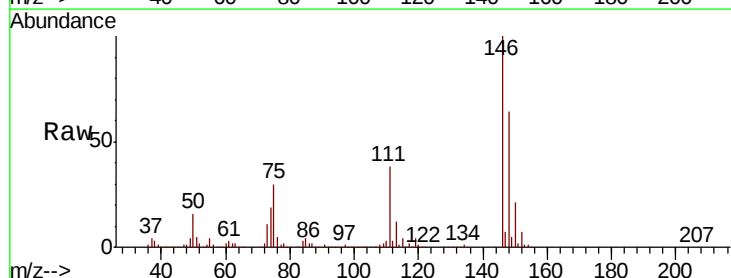
Tgt Ion:146 Resp: 478027

Ion Ratio Lower Upper

146 100

111 38.3 19.2 57.6

148 63.6 31.9 95.9

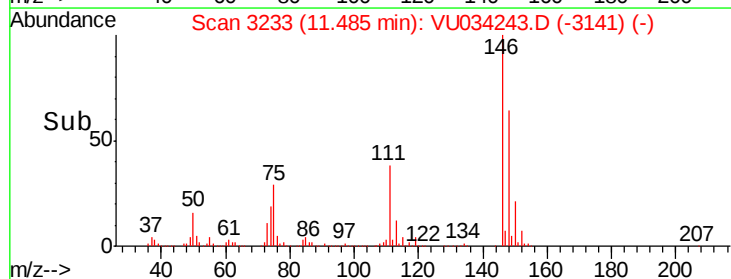
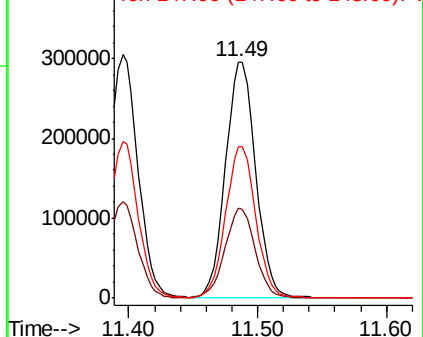


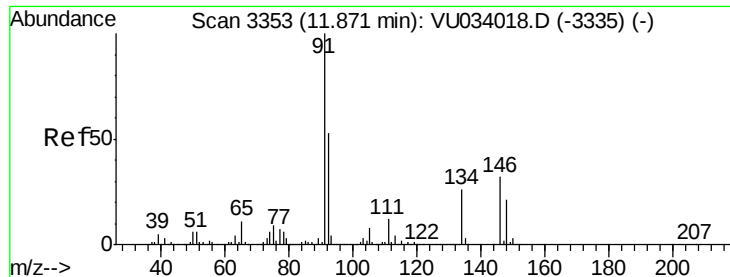
Abundance

Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V

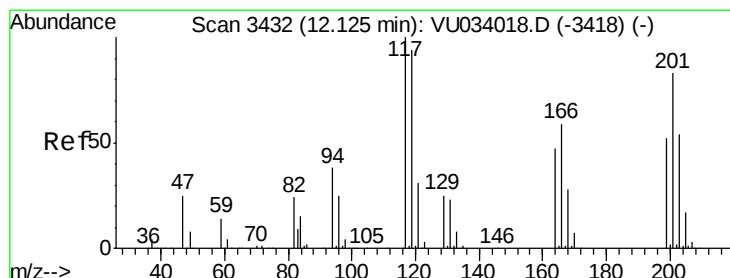
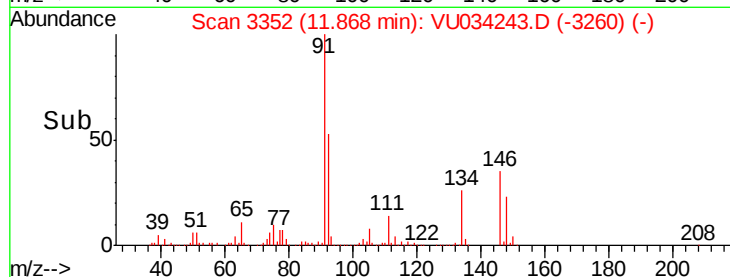
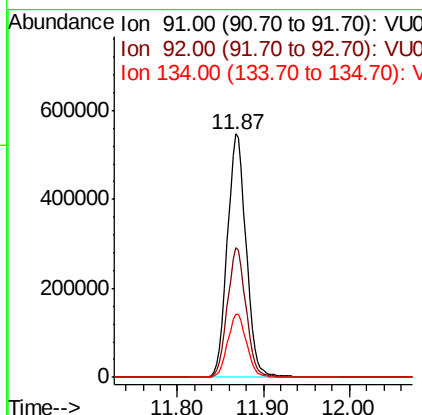
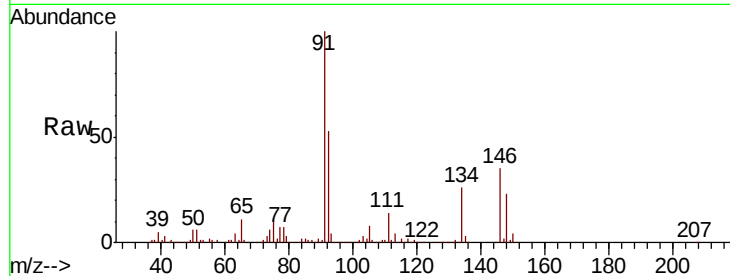




#89
n-Butylbenzene
Concen: 50.469 ug/l
RT: 11.87 min Scan# 3352
Delta R.T. -0.00 min
Lab File: VU034243.D
Acq: 04 Sep 2019 09:24

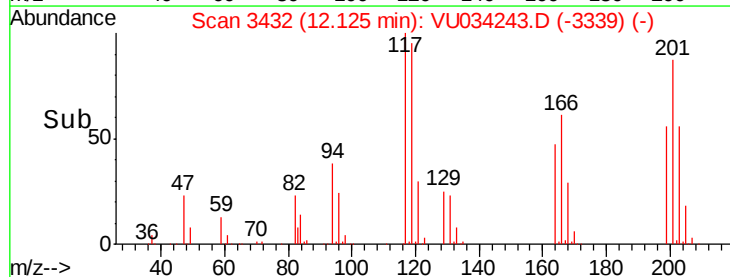
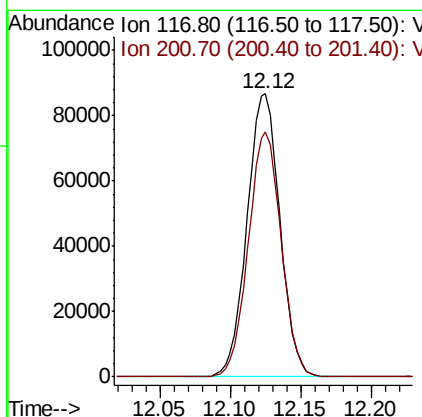
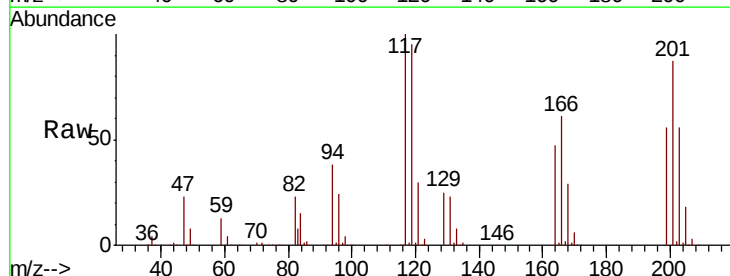
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

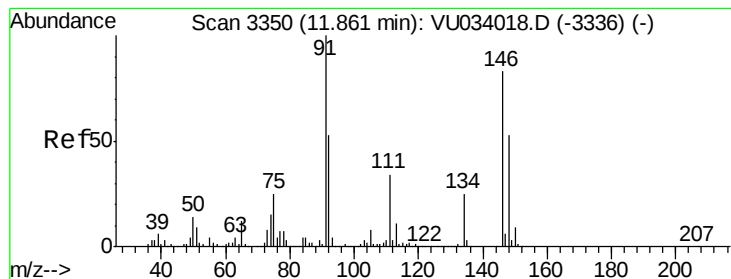
Tgt Ion: 91 Resp: 835208
Ion Ratio Lower Upper
91 100
92 52.6 26.3 78.9
134 26.1 12.9 38.7



#90
Hexachloroethane
Concen: 43.689 ug/l
RT: 12.12 min Scan# 3432
Delta R.T. 0.00 min
Lab File: VU034243.D
Acq: 04 Sep 2019 09:24

Tgt Ion: 117 Resp: 141782
Ion Ratio Lower Upper
117 100
201 86.3 42.5 127.6





#91

1,2-Dichlorobenzene

Concen: 48.868 ug/l

RT: 11.86 min Scan# 3349

Delta R.T. -0.00 min

Lab File: VU034243.D

Acq: 04 Sep 2019 09:24

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

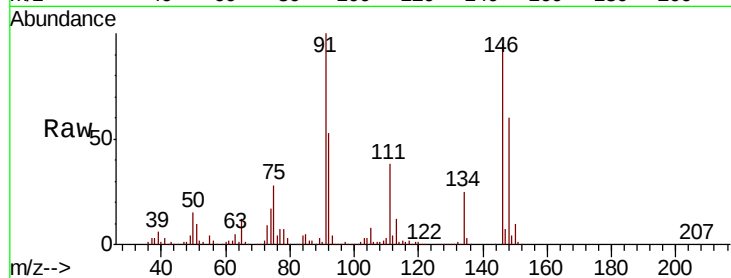
Tgt Ion:146 Resp: 462665

Ion Ratio Lower Upper

146 100

111 40.5 20.4 61.2

148 63.7 32.3 96.8

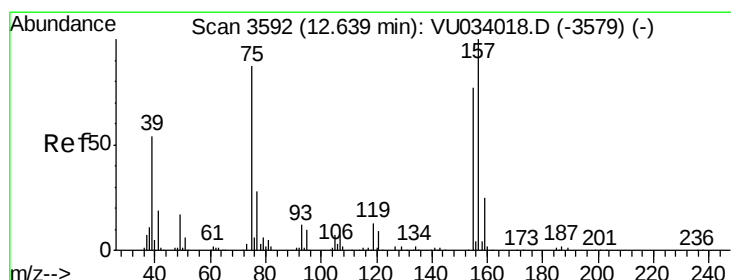
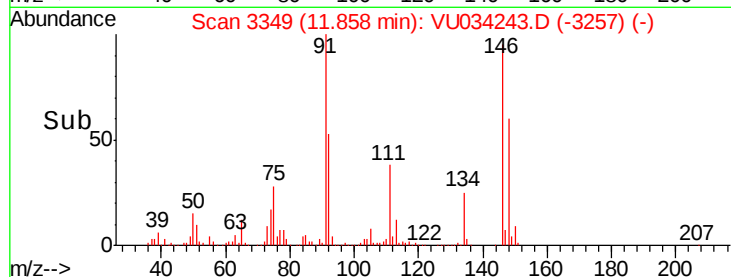
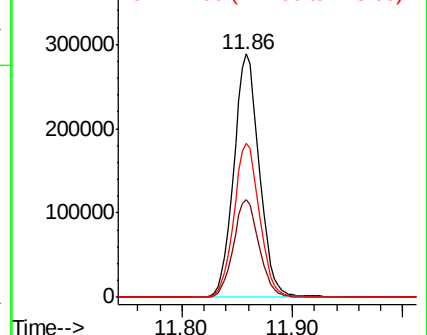


Abundance

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: 44.973 ug/l

RT: 12.64 min Scan# 3591

Delta R.T. -0.00 min

Lab File: VU034243.D

Acq: 04 Sep 2019 09:24

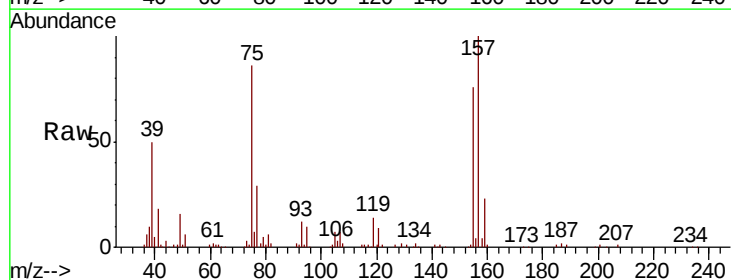
Tgt Ion: 75 Resp: 71169

Ion Ratio Lower Upper

75 100

155 89.3 43.5 130.7

157 117.0 56.9 170.6

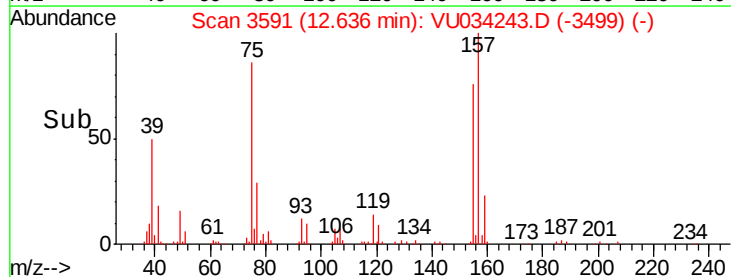
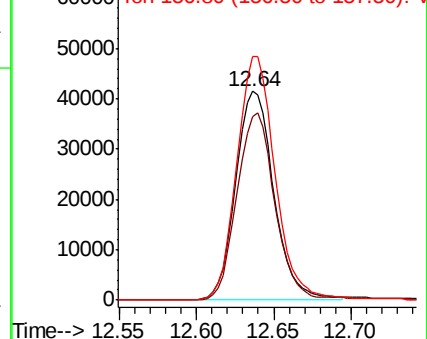


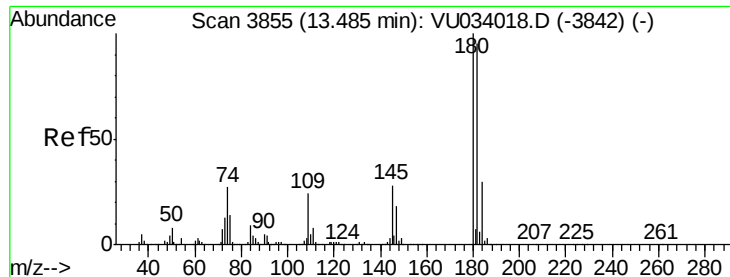
Abundance

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

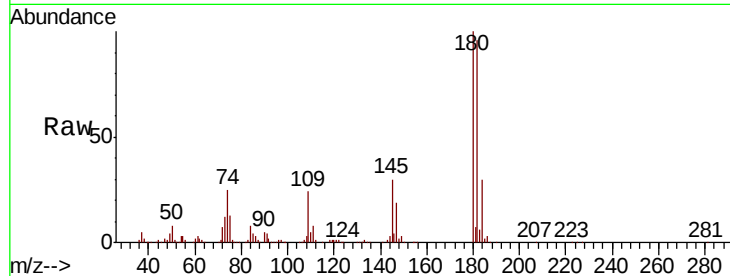




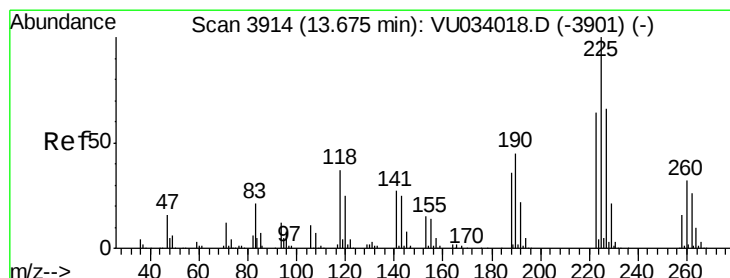
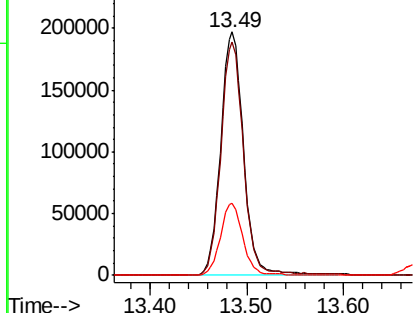
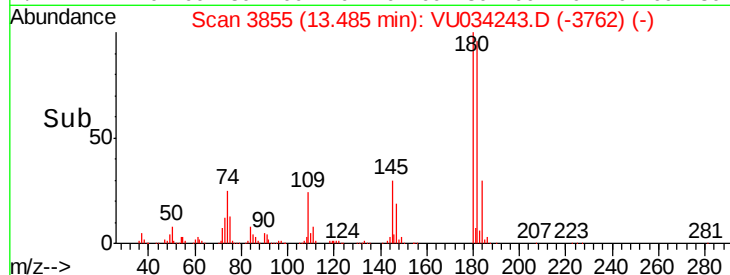
#93
 1,2,4-Trichlorobenzene
 Concen: 48.007 ug/l
 RT: 13.49 min Scan# 3855
 Delta R.T. 0.00 min
 Lab File: VU034243.D
 Acq: 04 Sep 2019 09:24

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

Tgt Ion:180 Resp: 322982
 Ion Ratio Lower Upper
 180 100
 182 94.3 47.4 142.2
 145 29.4 14.1 42.3

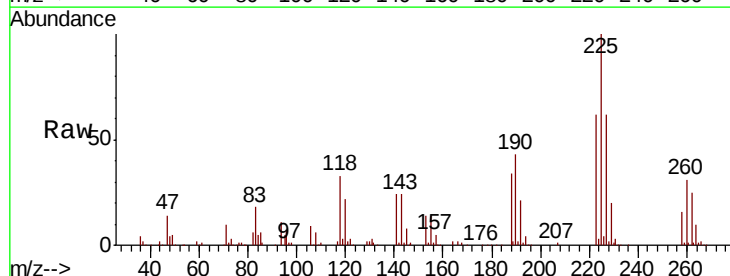


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

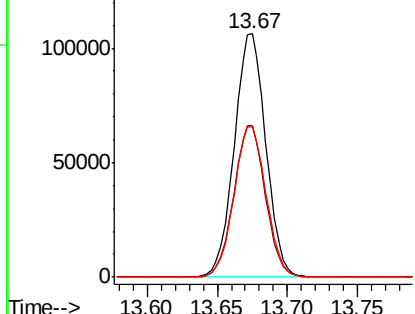
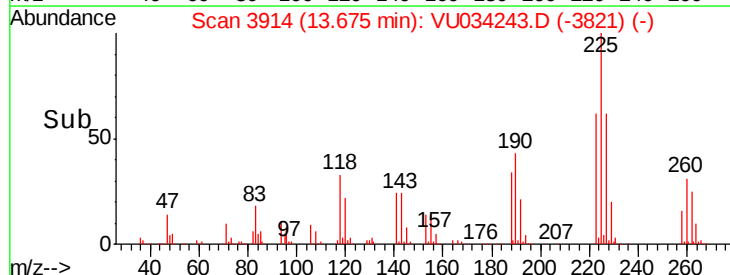


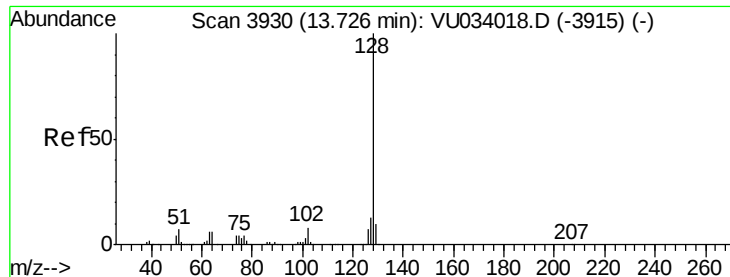
#94
 Hexachlorobutadiene
 Concen: 45.000 ug/l
 RT: 13.67 min Scan# 3914
 Delta R.T. 0.00 min
 Lab File: VU034243.D
 Acq: 04 Sep 2019 09:24

Tgt Ion:225 Resp: 166663
 Ion Ratio Lower Upper
 225 100
 223 62.2 31.8 95.3
 227 62.9 32.6 97.8



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

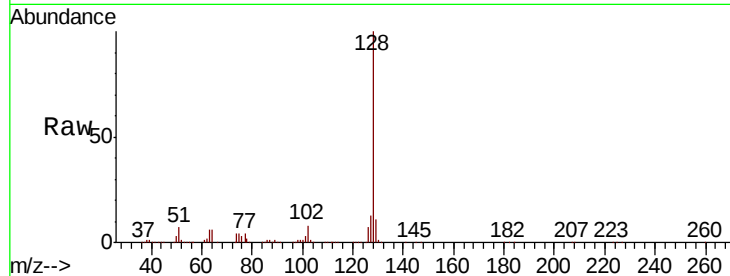




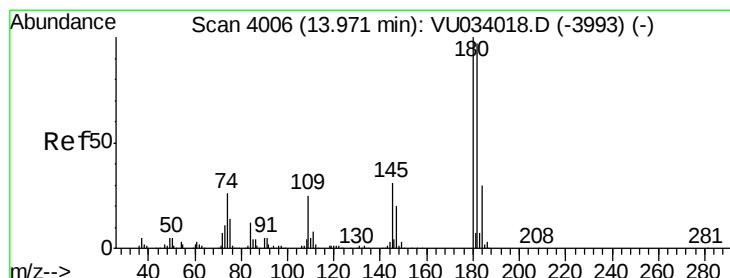
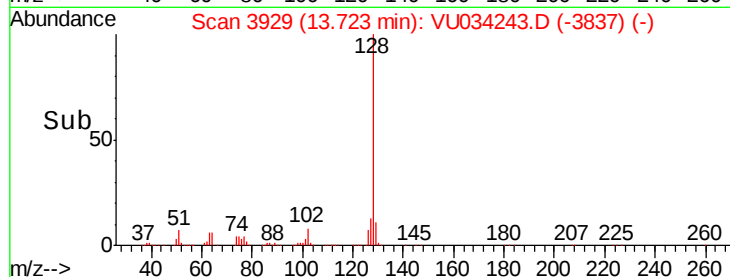
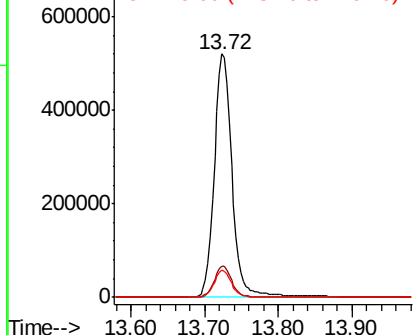
#95
Naphthalene
Concen: 45.515 ug/l
RT: 13.72 min Scan# 3929
Delta R.T. -0.00 min
Lab File: VU034243.D
Acq: 04 Sep 2019 09:24

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tgt Ion:128 Resp: 874565
Ion Ratio Lower Upper
128 100
127 12.7 10.2 15.4
129 10.8 8.4 12.6

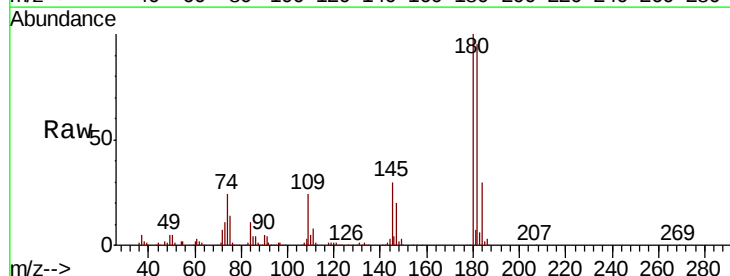


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96
1,2,3-Trichlorobenzene
Concen: 53.013 ug/l
RT: 13.97 min Scan# 4005
Delta R.T. -0.00 min
Lab File: VU034243.D
Acq: 04 Sep 2019 09:24

Tgt Ion:180 Resp: 321516
Ion Ratio Lower Upper
180 100
182 95.9 48.2 144.6
145 30.6 15.5 46.5



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

