

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW102819\
 Data File : VW013759.D
 Acq On : 28 Oct 2019 11:43
 Operator : SY/VA
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Quant Time: Oct 29 11:44:16 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W102319S.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 23 14:11:46 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	348244	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	487710	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	415639	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	214349	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.31	65	129285	49.49	ug/l	0.00
Spiked Amount			Recovery	=	98.98%	
35) Dibromofluoromethane	7.88	113	138546	51.12	ug/l	0.00
Spiked Amount			Recovery	=	102.24%	
50) Toluene-d8	10.32	98	579670	52.49	ug/l	0.00
Spiked Amount			Recovery	=	104.98%	
62) 4-Bromofluorobenzene	12.62	95	189077	50.57	ug/l	0.00
Spiked Amount			Recovery	=	101.14%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.01	85	78451	42.761	ug/l	100
3) Chloromethane	2.21	50	91667	46.491	ug/l	99
4) Vinyl Chloride	2.37	62	143444	48.173	ug/l	100
5) Bromomethane	2.78	94	92964	47.471	ug/l	99
6) Chloroethane	2.93	64	86376	47.939	ug/l	100
7) Trichlorofluoromethane	3.26	101	96850	52.073	ug/l	98
8) Diethyl Ether	3.68	74	68930	45.873	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	4.07	101	142155	47.016	ug/l	99
10) Methyl Iodide	4.28	142	236458	47.992	ug/l	99
11) Tert butyl alcohol	5.20	59	34221	219.430	ug/l	98
12) 1,1-Dichloroethene	4.04	96	152148	48.715	ug/l	97
13) Acrolein	3.90	56	56124	314.119	ug/l	99
14) Allyl chloride	4.67	41	236046	49.151	ug/l	100
15) Acrylonitrile	5.37	53	136033	222.638	ug/l	100
16) Acetone	4.14	43	146983	265.355	ug/l	96
17) Carbon Disulfide	4.39	76	439848	49.038	ug/l	100
18) Methyl Acetate	4.67	43	65434	43.094	ug/l	100
19) Methyl tert-butyl Ether	5.42	73	183847	49.053	ug/l	97
20) Methylene Chloride	4.92	84	150004	49.139	ug/l	96
21) trans-1,2-Dichloroethene	5.42	96	163758	48.715	ug/l	94
22) Diisopropyl ether	6.31	45	425958	48.624	ug/l	99
23) Vinyl Acetate	6.25	43	1211755	238.393	ug/l	100
24) 1,1-Dichloroethane	6.21	63	266599	48.053	ug/l	98
25) 2-Butanone	7.17	43	183248	230.109	ug/l	97
26) 2,2-Dichloropropane	7.17	77	157483	49.088	ug/l	98
27) cis-1,2-Dichloroethene	7.17	96	171169	47.941	ug/l	98
28) Bromochloromethane	7.51	49	100815	50.976	ug/l #	100
29) Tetrahydrofuran	7.53	42	110295	223.711	ug/l	99
30) Chloroform	7.68	83	261598	47.698	ug/l	100
31) Cyclohexane	7.95	56	270453	46.581	ug/l	99
32) 1,1,1-Trichloroethane	7.87	97	214029	49.729	ug/l	99
36) 1,1-Dichloropropene	8.08	75	225516	49.650	ug/l	99
37) Ethyl Acetate	7.25	43	76736	44.134	ug/l	99
38) Carbon Tetrachloride	8.07	117	205514	50.246	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	294064	50.133	ug/l	100
40) Benzene	8.32	78	628232	48.874	ug/l	98
41) Methacrylonitrile	7.48	41	50587	46.657	ug/l	97
42) 1,2-Dichloroethane	8.40	62	155660	48.055	ug/l	98
43) Isopropyl Acetate	8.42	43	153722	46.189	ug/l	100
44) Trichloroethene	9.09	130	184061	49.989	ug/l	94
45) 1,2-Dichloropropane	9.37	63	148644	48.414	ug/l	99
46) Dibromomethane	9.46	93	69453	46.607	ug/l	99
47) Bromodichloromethane	9.65	83	189239	49.079	ug/l	99
48) Methyl methacrylate	9.43	41	72332	43.827	ug/l	93
49) 1,4-Dioxane	9.47	88	20092	912.421	ug/l #	96
51) 4-Methyl-2-Pentanone	10.21	43	372467	225.219	ug/l	100
52) Toluene	10.38	92	407089	49.097	ug/l	99
53) t-1,3-Dichloropropene	10.60	75	192997	49.444	ug/l	100
54) cis-1,3-Dichloropropene	10.07	75	239794	49.793	ug/l	100
55) 1,1,2-Trichloroethane	10.79	97	102995	46.376	ug/l	99
56) Ethyl methacrylate	10.65	69	133093	47.899	ug/l	99
57) 1,3-Dichloropropane	10.93	76	181473	47.616	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.92	63	329485	257.648	ug/l	99
59) 2-Hexanone	10.97	43	271094	237.776	ug/l	99
60) Dibromochloromethane	11.13	129	128133	48.593	ug/l	99
61) 1,2-Dibromoethane	11.23	107	97313	46.315	ug/l	99
64) Tetrachloroethene	10.86	164	157390	49.562	ug/l	98
65) Chlorobenzene	11.66	112	421496	49.349	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.73	131	148787	49.915	ug/l	99
67) Ethyl Benzene	11.73	91	773834	50.246	ug/l	100
68) m/p-Xylenes	11.84	106	593124	99.681	ug/l	99
69) o-Xylene	12.16	106	273684	50.040	ug/l	99
70) Styrene	12.18	104	468103	49.814	ug/l	99
71) Bromoform	12.35	173	75072	47.991	ug/l #	98
73) Isopropylbenzene	12.46	105	769480	49.988	ug/l	99
74) N-amyl acetate	12.27	43	140407	47.153	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.71	83	110062	45.310	ug/l	100
76) 1,2,3-Trichloropropane	12.77	75	142311	92.450	ug/l #	100
77) Bromobenzene	12.74	156	176068	47.881	ug/l	98
78) n-propylbenzene	12.80	91	891402	50.032	ug/l	100
79) 2-Chlorotoluene	12.89	91	492207	49.160	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	646075	49.720	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.51	75	37887	46.515	ug/l	100
82) 4-Chlorotoluene	12.99	91	516304	49.119	ug/l	99
83) tert-Butylbenzene	13.21	119	572680	49.650	ug/l	99
84) 1,2,4-Trimethylbenzene	13.25	105	635125	49.549	ug/l	99
85) sec-Butylbenzene	13.38	105	788843	50.013	ug/l	100
86) p-Isopropyltoluene	13.50	119	740053	50.369	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	345039	48.429	ug/l	100
88) 1,4-Dichlorobenzene	13.58	146	341596	48.261	ug/l	100
89) n-Butylbenzene	13.82	91	671945	50.667	ug/l	100
90) Hexachloroethane	14.09	117	127280	49.839	ug/l	99
91) 1,2-Dichlorobenzene	13.87	146	291843	47.242	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	16434	44.740	ug/l	99

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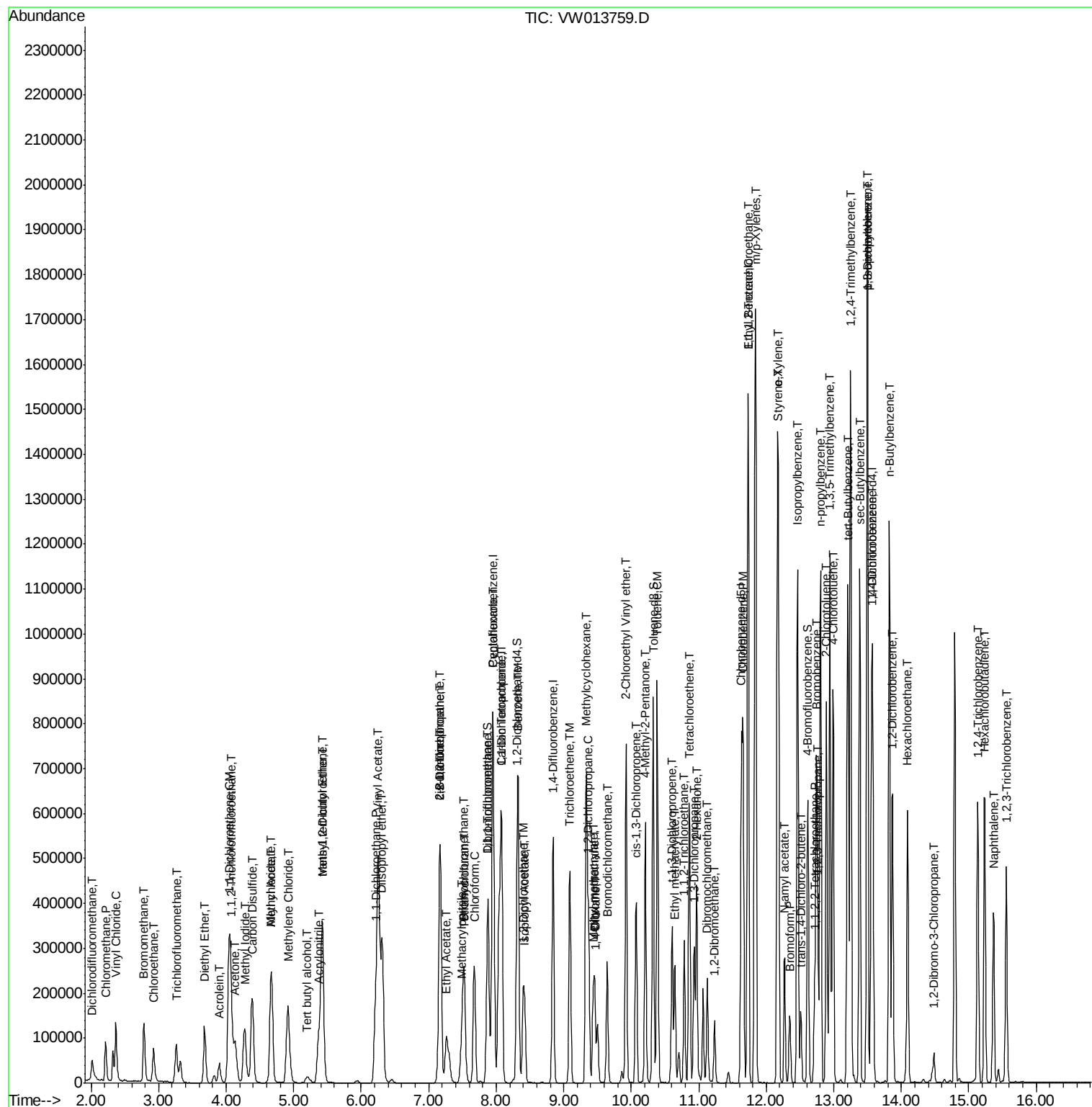
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	221983	49.376	ug/l	100
94) Hexachlorobutadiene	15.24	225	147574	48.623	ug/l	100
95) Naphthalene	15.36	128	339111	48.109	ug/l	100
96) 1,2,3-Trichlorobenzene	15.55	180	189263	48.856	ug/l	99

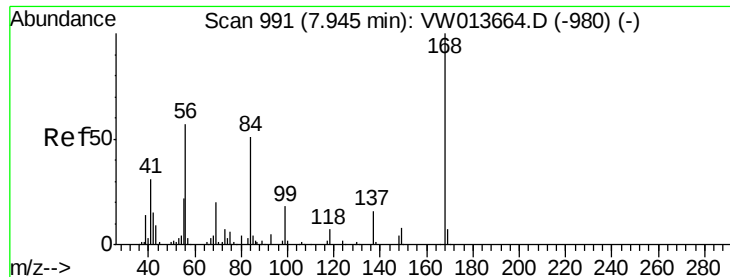
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.00 min

Lab File: VW013759.D

Acq: 28 Oct 2019 11:43

Instrument :

MSVOA_W

ClientSampleId :

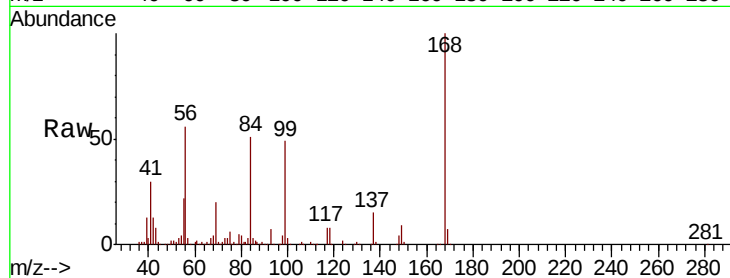
VSTDCCC050

Tot Ion:168 Resp: 348244

Ion Ratio Lower Upper

168 100

99 48.7 39.0 58.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

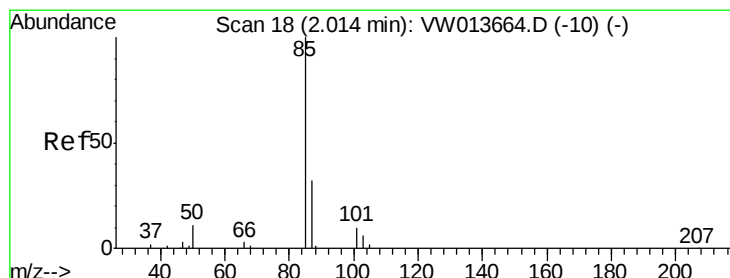
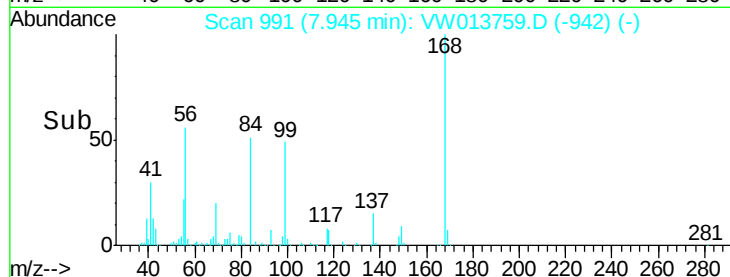
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 42.761 ug/l

RT: 2.01 min Scan# 18

Delta R.T. -0.00 min

Lab File: VW013759.D

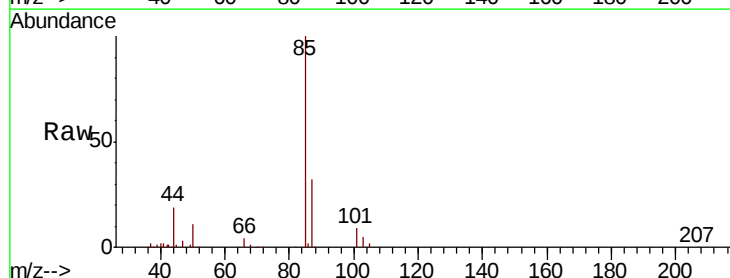
Acq: 28 Oct 2019 11:43

Tgt Ion: 85 Resp: 78451

Ion Ratio Lower Upper

85 100

87 32.1 16.0 48.0



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

30000

25000

20000

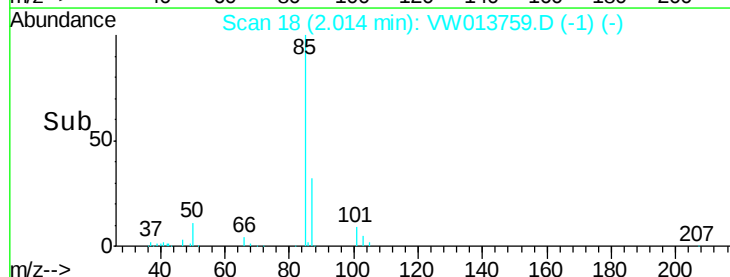
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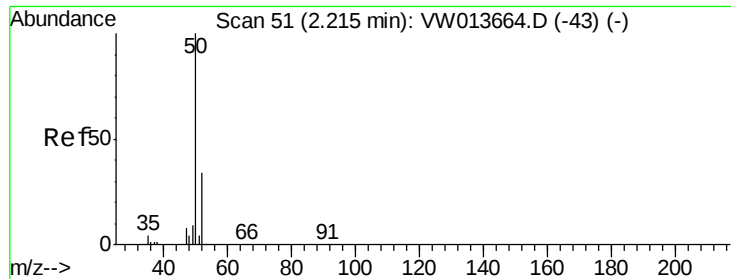
10000

5000

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Time-->





#3

Chloromethane

Concen: 46.491 ug/l

RT: 2.21 min Scan# 51

Delta R.T. -0.00 min

Lab File: VW013759.D

Acq: 28 Oct 2019 11:43

Instrument :

MSVOA_W

ClientSampleId :

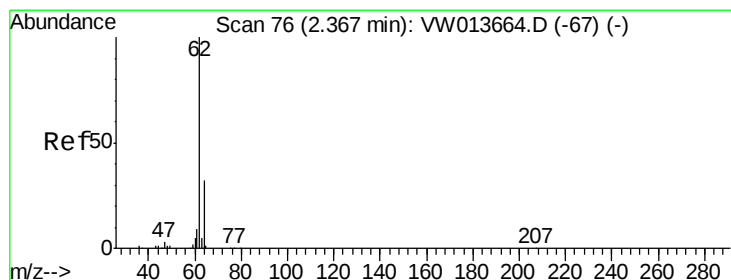
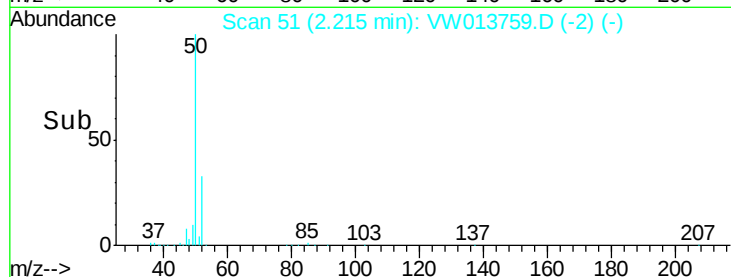
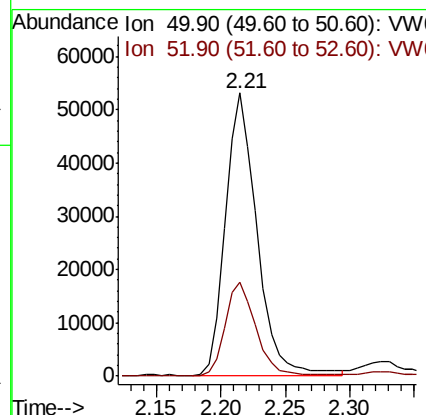
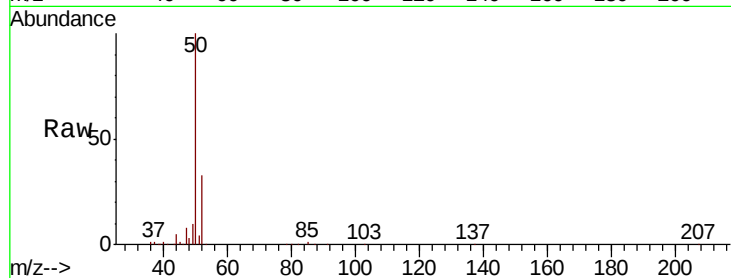
VSTDCCC050

Tot Ion: 50 Resp: 91667

Ion Ratio Lower Upper

50 100

52 33.3 26.9 40.3



#4

Vinyl Chloride

Concen: 48.173 ug/l

RT: 2.37 min Scan# 76

Delta R.T. -0.00 min

Lab File: VW013759.D

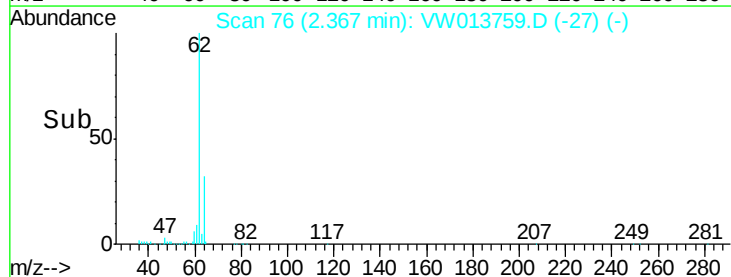
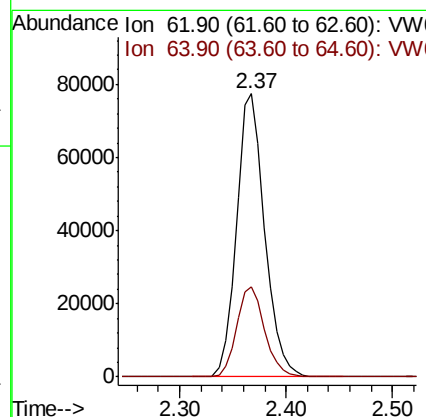
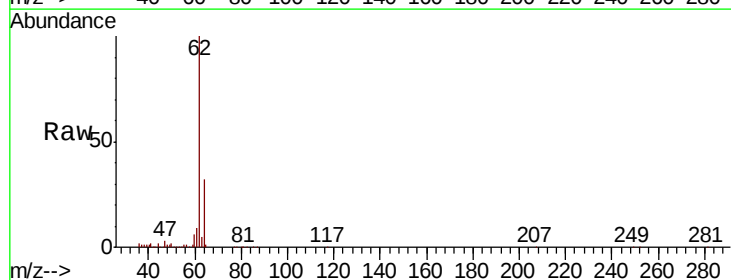
Acq: 28 Oct 2019 11:43

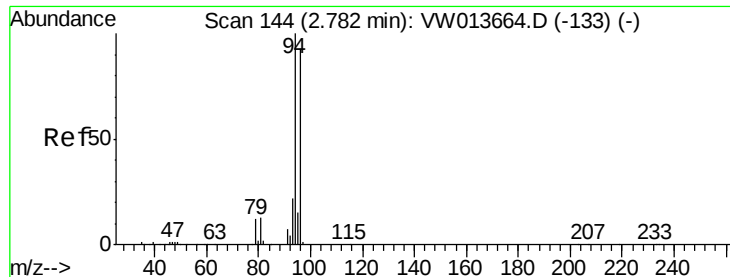
Tgt Ion: 62 Resp: 143444

Ion Ratio Lower Upper

62 100

64 31.7 25.5 38.3





#5

Bromomethane

Concen: 47.471 ug/l

RT: 2.78 min Scan# 144

Delta R.T. -0.00 min

Lab File: VW013759.D

Acq: 28 Oct 2019 11:43

Instrument :

MSVOA_W

ClientSampleId :

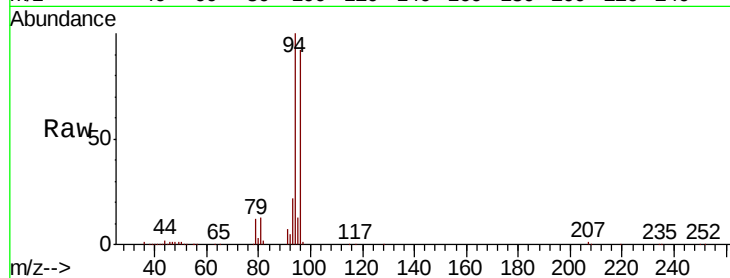
VSTDCCC050

Tot Ion: 94 Resp: 92964

Ion Ratio Lower Upper

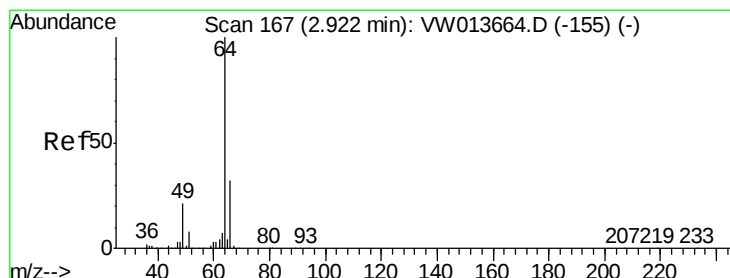
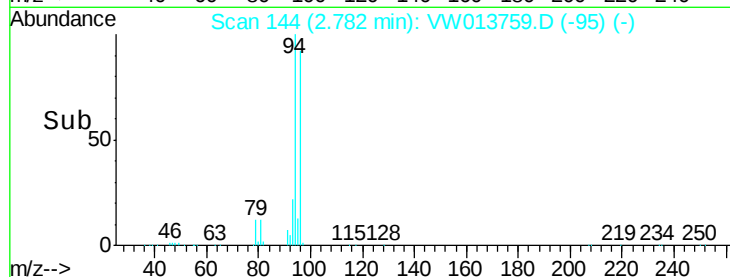
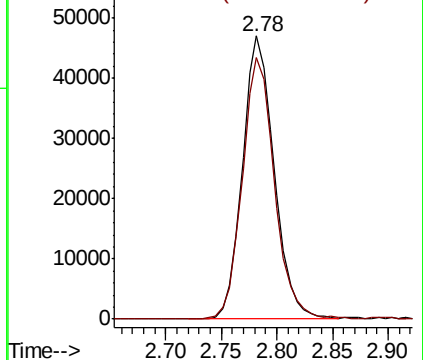
94 100

96 92.2 74.6 112.0



Abundance Ion 93.90 (93.60 to 94.60): VW

Ion 95.90 (95.60 to 96.60): VW



#6

Chloroethane

Concen: 47.939 ug/l

RT: 2.93 min Scan# 168

Delta R.T. 0.01 min

Lab File: VW013759.D

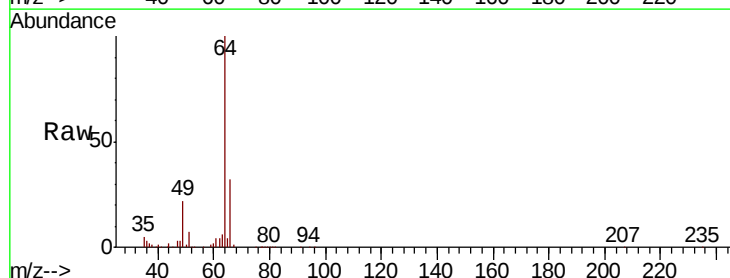
Acq: 28 Oct 2019 11:43

Tgt Ion: 64 Resp: 86376

Ion Ratio Lower Upper

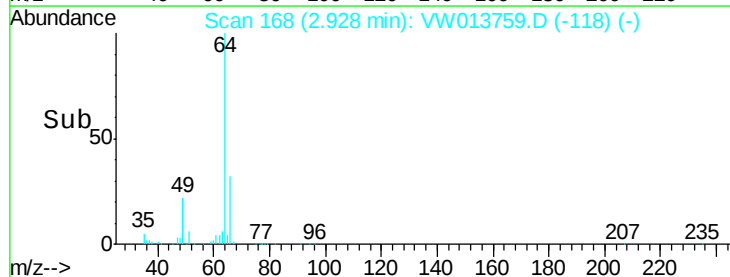
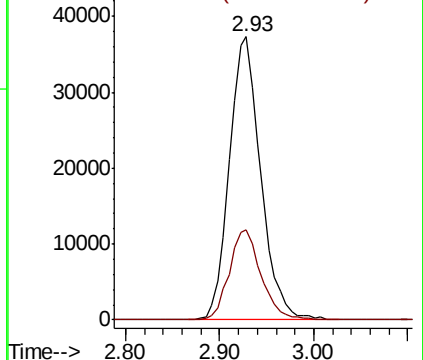
64 100

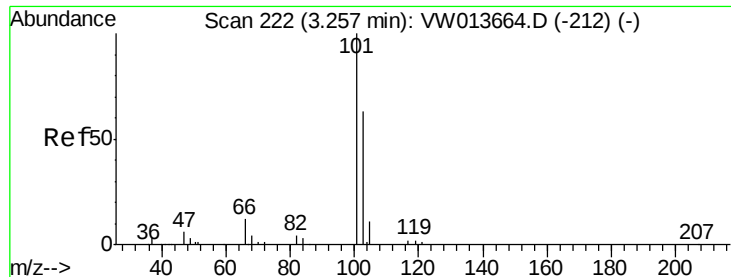
66 32.0 25.4 38.0



Abundance Ion 63.90 (63.60 to 64.60): VW

Ion 65.90 (65.60 to 66.60): VW



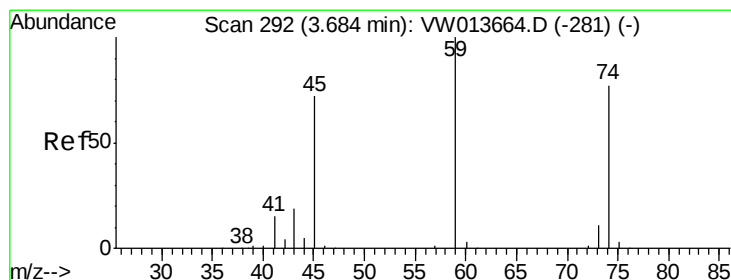
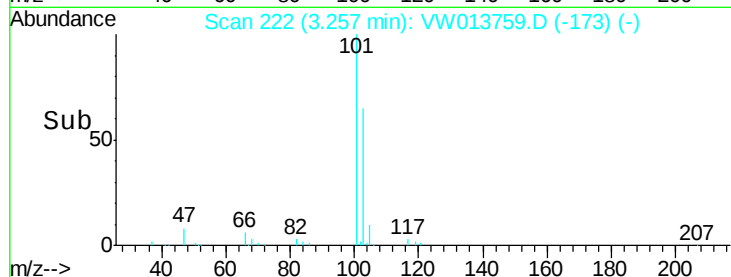
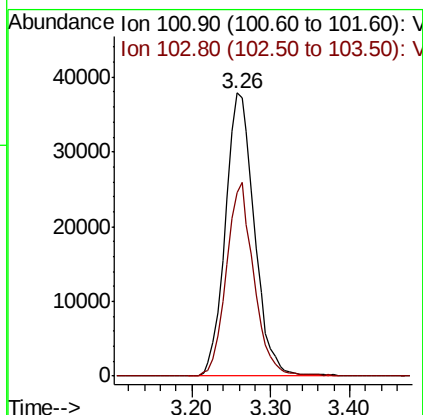
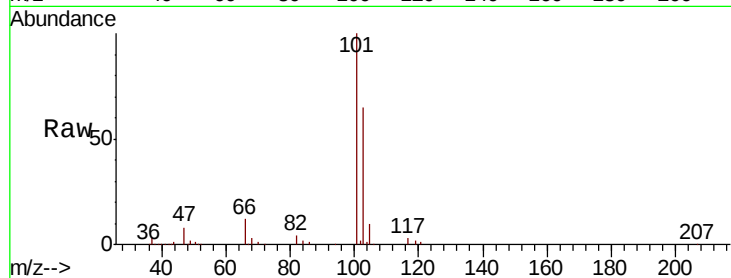


#7

Trichlorofluoromethane
 Concen: 52.073 ug/l
 RT: 3.26 min Scan# 222
 Delta R.T. -0.00 min
 Lab File: VW013759.D
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Instrument :
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 VSTDCCC050

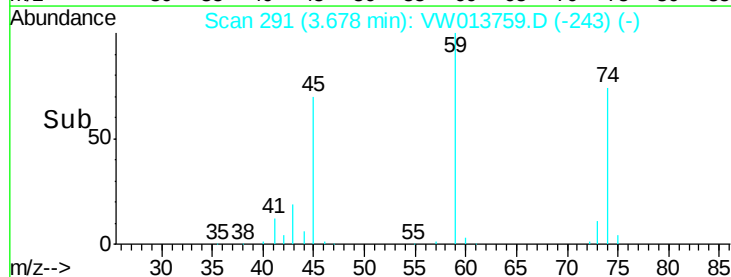
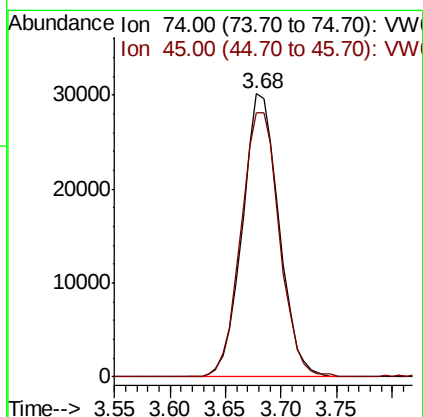
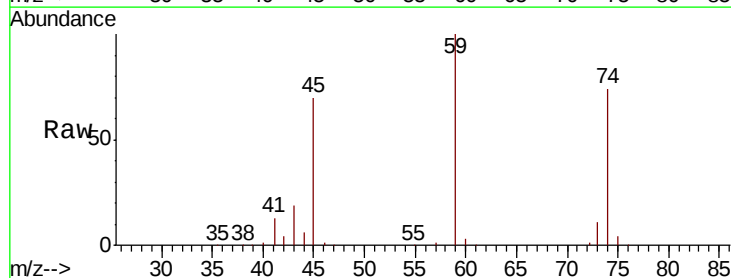
Tot Ion:101 Resp: 96850
 Ion Ratio Lower Upper
 101 100
 103 64.9 50.6 76.0

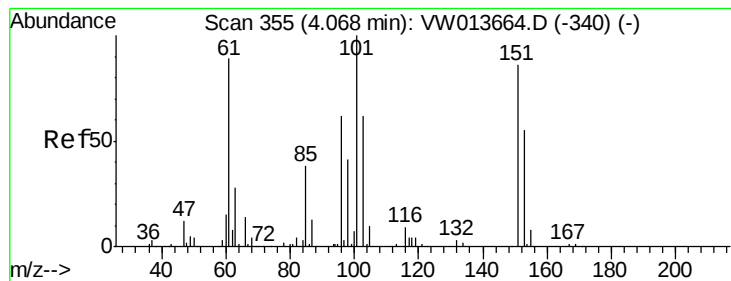


#8

Diethyl Ether
 Concen: 45.873 ug/l
 RT: 3.68 min Scan# 291
 Delta R.T. -0.01 min
 Lab File: VW013759.D
 Acq: 28 Oct 2019 11:43

Tgt Ion: 74 Resp: 68930
 Ion Ratio Lower Upper
 74 100
 45 98.5 47.9 143.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 47.016 ug/l

RT: 4.07 min Scan# 356

Delta R.T. 0.01 min

Lab File: VW013759.D

Acq: 28 Oct 2019 11:43

Instrument :

MSVOA_W

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VSTDCCC050

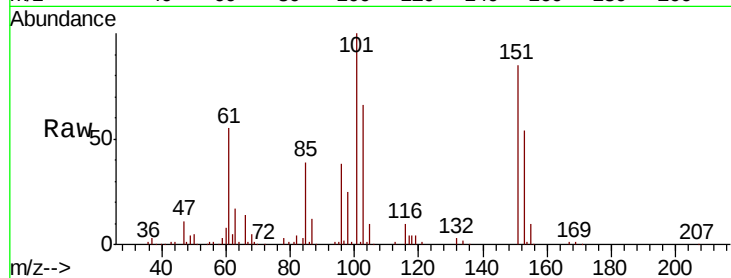
Tot Ion:101 Resp: 142155

Ion Ratio Lower Upper

101 100

85 40.5 31.0 46.6

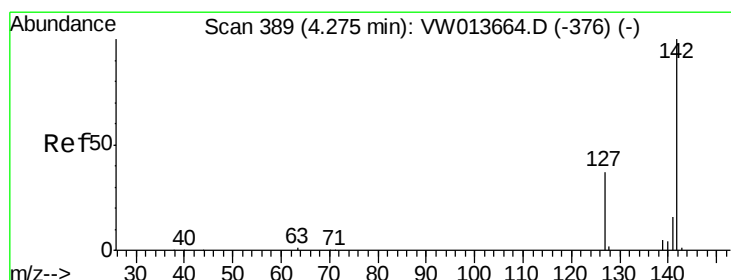
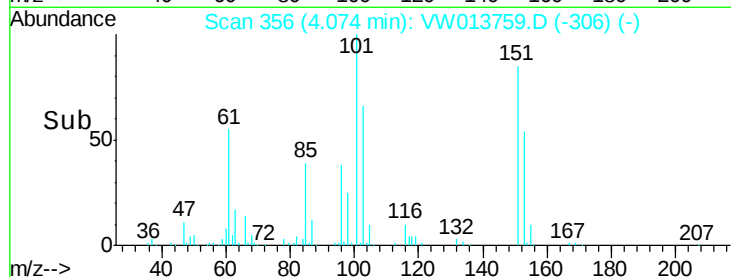
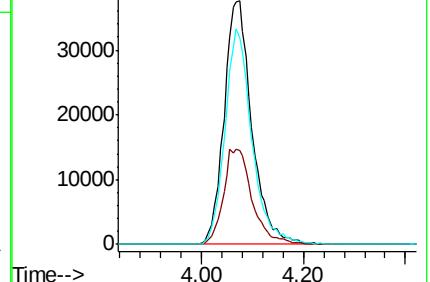
151 85.6 68.2 102.4



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 47.992 ug/l

RT: 4.28 min Scan# 389

Delta R.T. -0.00 min

Lab File: VW013759.D

Acq: 28 Oct 2019 11:43

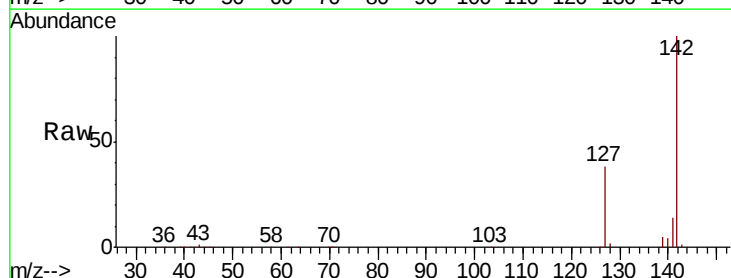
Tgt Ion:142 Resp: 236458

Ion Ratio Lower Upper

142 100

127 38.3 30.3 45.5

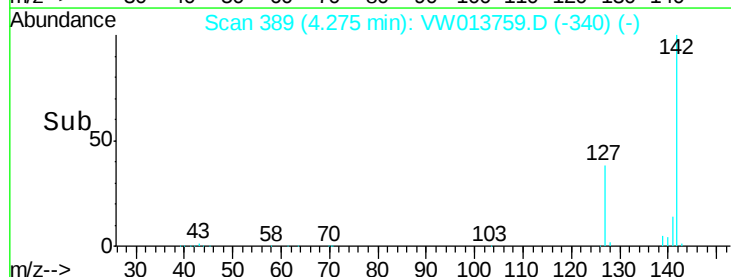
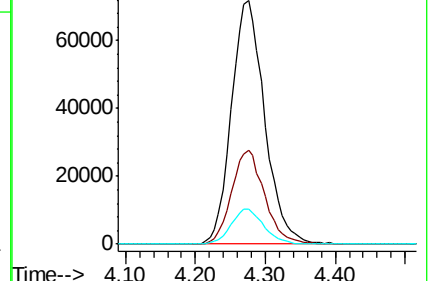
141 14.1 11.8 17.8

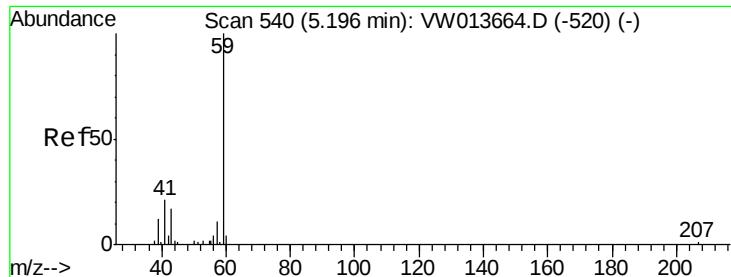


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



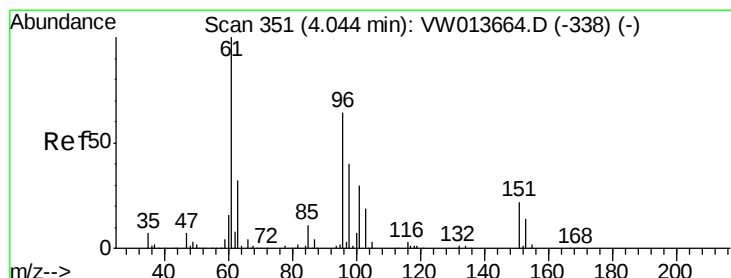
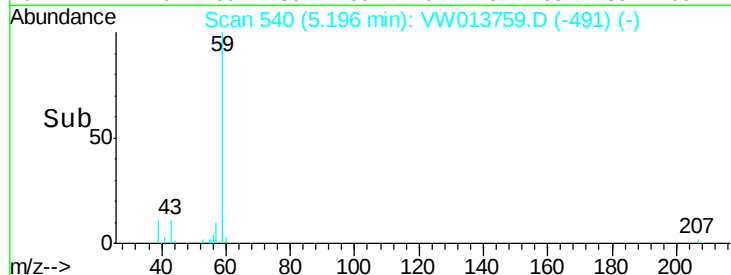
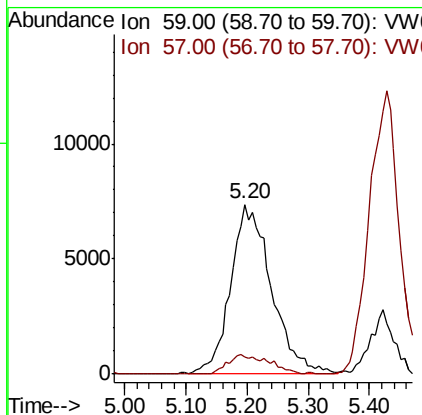
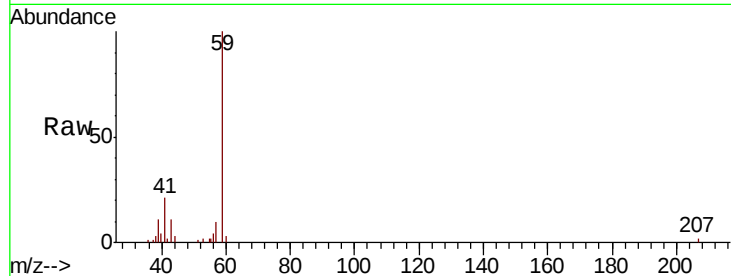


#11

Tert butyl alcohol
Concen: 219.430 ug/l
RT: 5.20 min Scan# 540
Delta R.T. -0.00 min
Lab File: VW013759.D
Acq: 28 Oct 2019 11:43

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

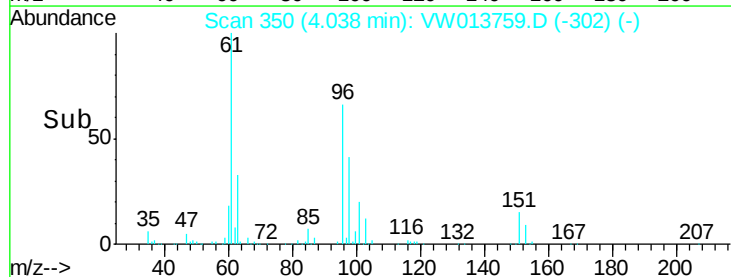
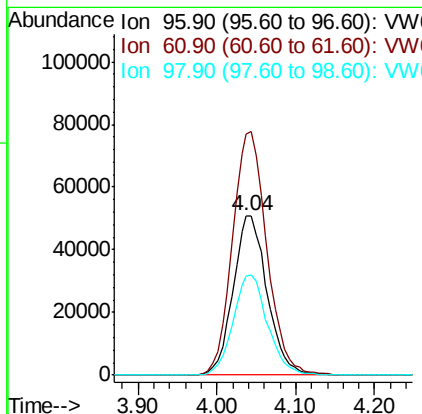
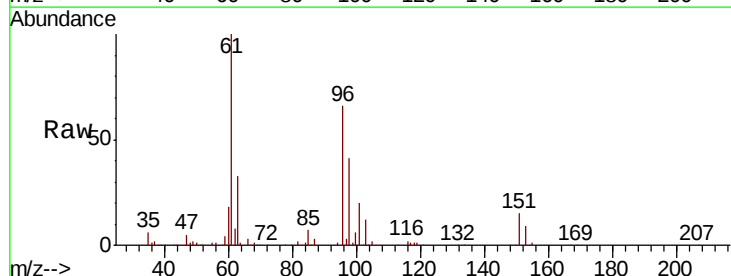
Tot Ion: 59 Resp: 34221
Ion Ratio Lower Upper
59 100
57 11.6 8.8 13.2

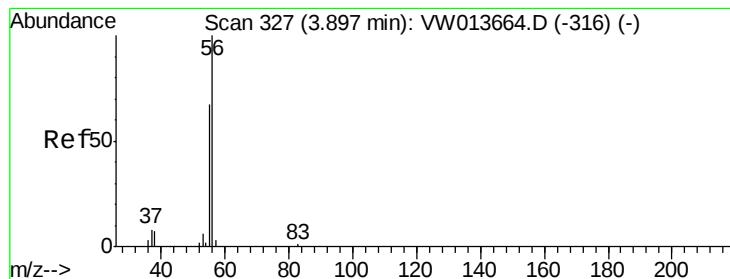


#12

1,1-Dichloroethene
Concen: 48.715 ug/l
RT: 4.04 min Scan# 350
Delta R.T. -0.01 min
Lab File: VW013759.D
Acq: 28 Oct 2019 11:43

Tgt Ion: 96 Resp: 152148
Ion Ratio Lower Upper
96 100
61 151.1 125.0 187.6
98 62.3 50.3 75.5





#13

Acrolein

Concen: 314.119 ug/l

RT: 3.90 min Scan# 327

Delta R.T. -0.00 min

Lab File: VW013759.D

Acq: 28 Oct 2019 11:43

Instrument :

MSVOA_W

ClientSampleId :

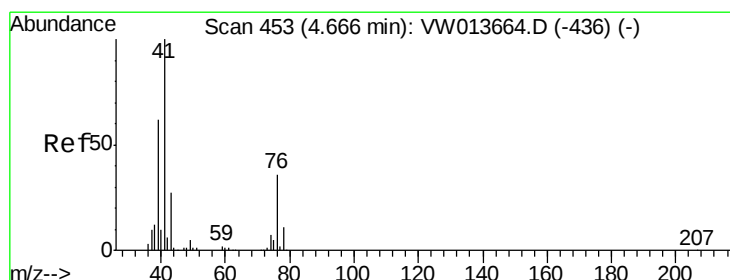
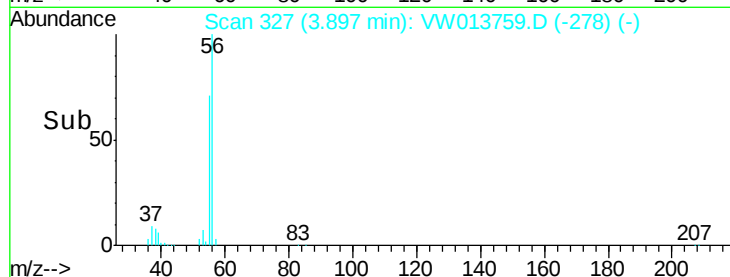
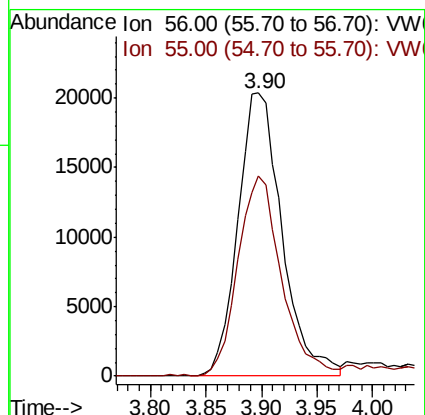
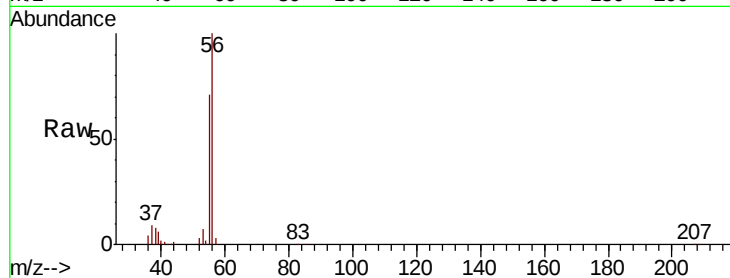
VSTDCCC050

Tot Ion: 56 Resp: 56124

Ion Ratio Lower Upper

56 100

55 69.6 56.1 84.1



#14

Allyl chloride

Concen: 49.151 ug/l

RT: 4.67 min Scan# 453

Delta R.T. -0.00 min

Lab File: VW013759.D

Acq: 28 Oct 2019 11:43

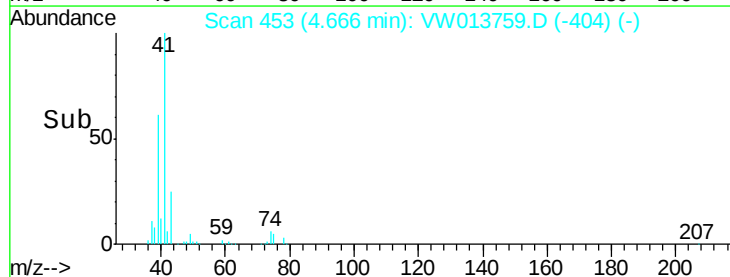
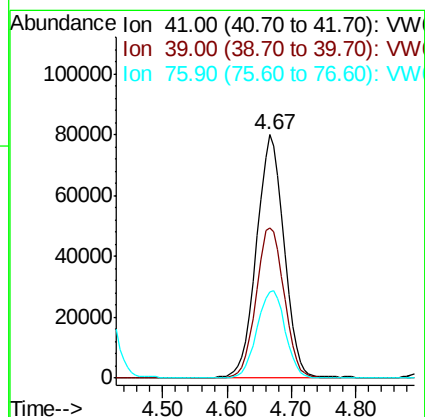
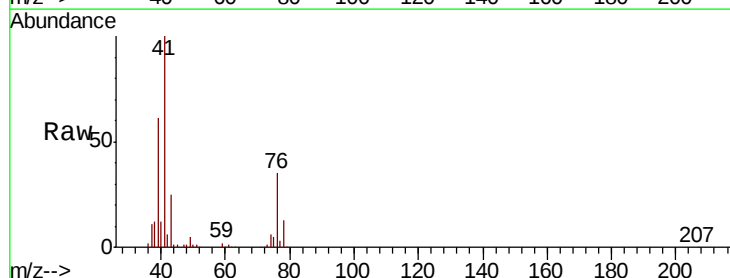
Tgt Ion: 41 Resp: 236046

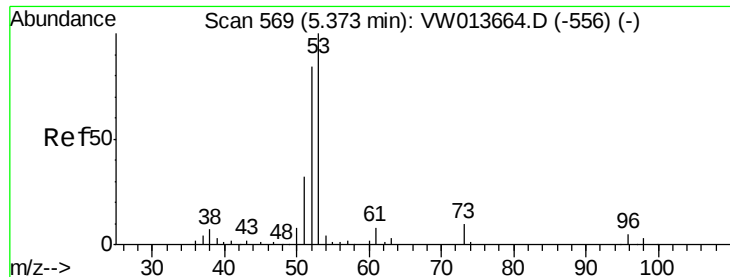
Ion Ratio Lower Upper

41 100

39 62.5 50.0 75.0

76 36.7 29.6 44.4





#15

Acrylonitrile

Concen: 222.638 ug/l

RT: 5.37 min Scan# 568

Delta R.T. -0.01 min

Lab File: VW013759.D

Acq: 28 Oct 2019 11:43

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

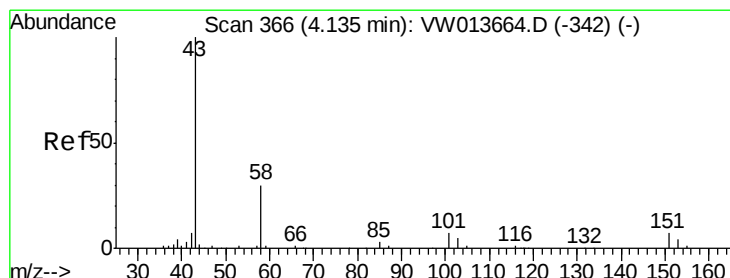
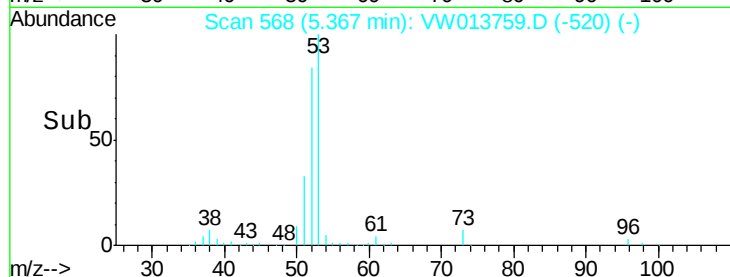
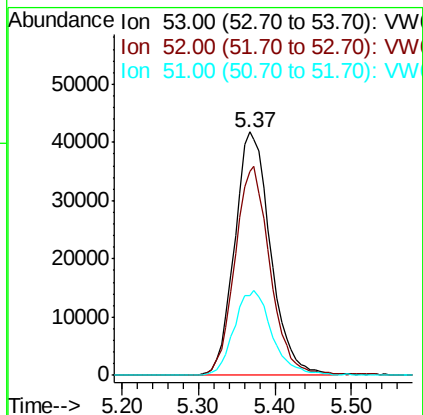
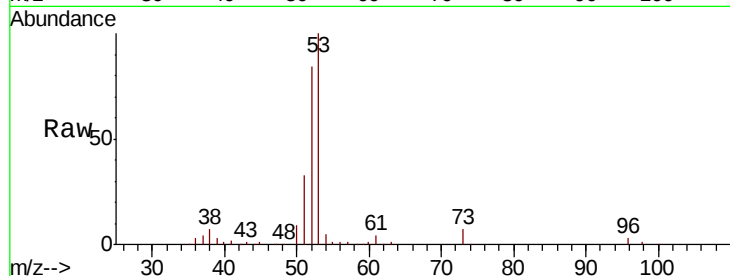
Tot Ion: 53 Resp: 136033

Ion Ratio Lower Upper

53 100

52 83.9 67.4 101.0

51 36.7 29.1 43.7



#16

Acetone

Concen: 265.355 ug/l

RT: 4.14 min Scan# 366

Delta R.T. -0.00 min

Lab File: VW013759.D

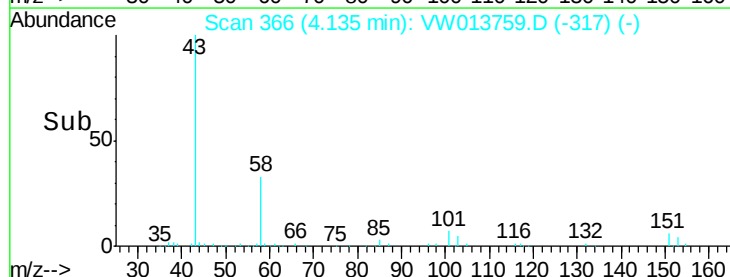
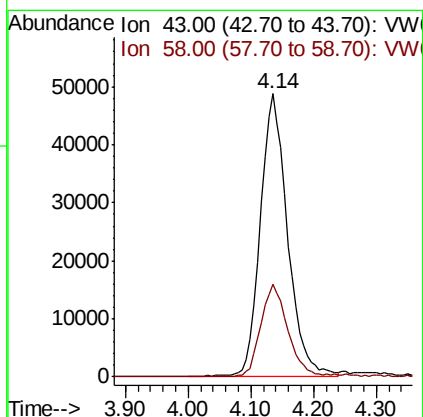
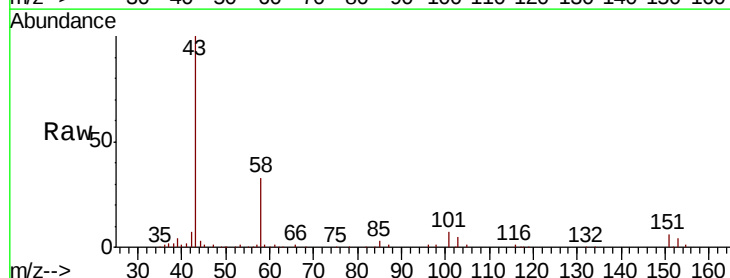
Acq: 28 Oct 2019 11:43

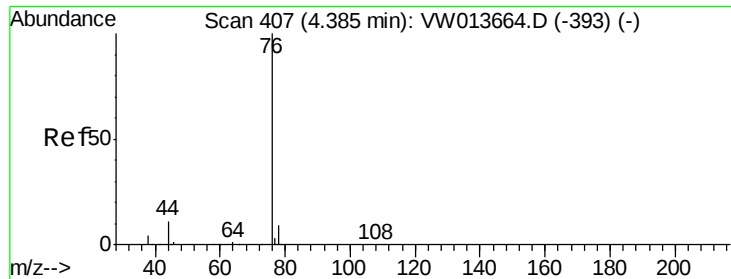
Tgt Ion: 43 Resp: 146983

Ion Ratio Lower Upper

43 100

58 32.3 24.1 36.1

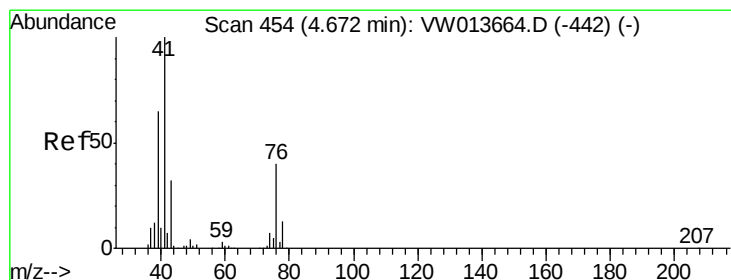
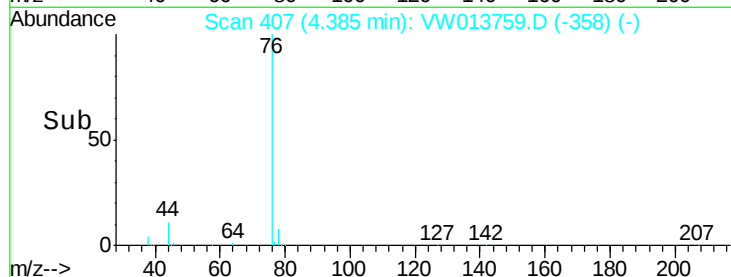
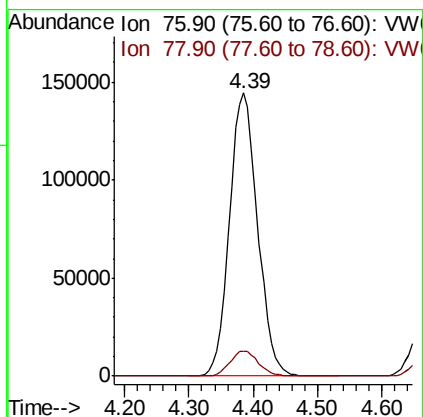
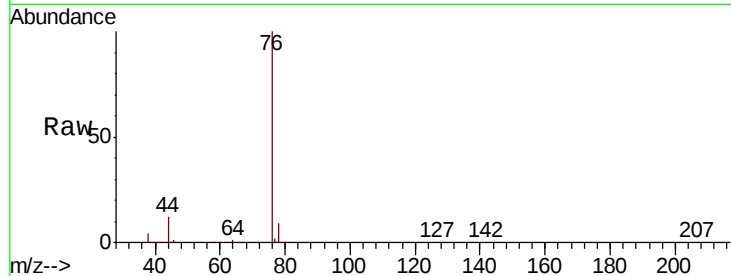




#17
Carbon Disulfide
Concen: 49.038 ug/l
RT: 4.39 min Scan# 407
Delta R.T. -0.00 min
Lab File: VW013759.D
Acq: 28 Oct 2019 11:43

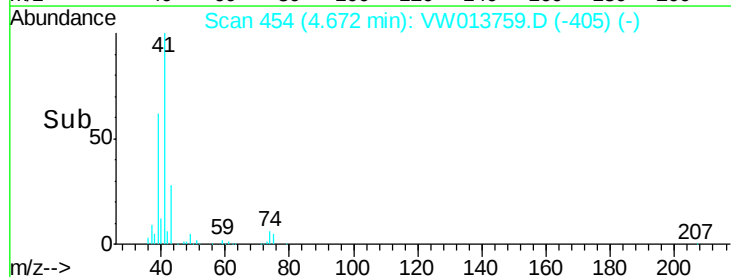
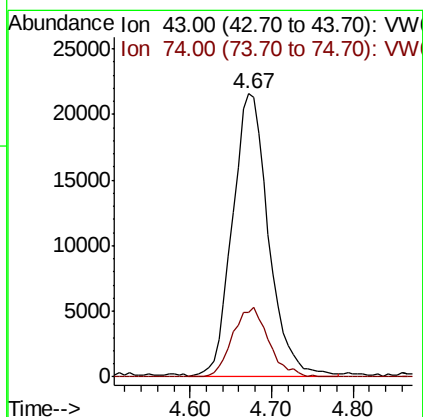
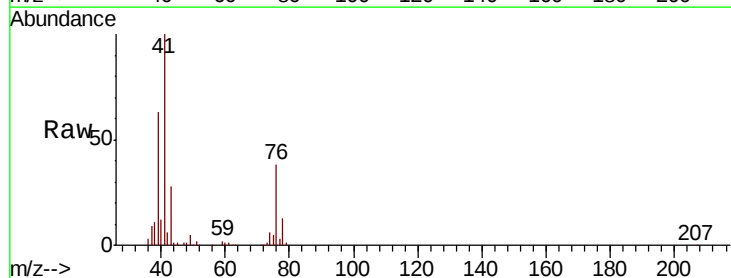
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

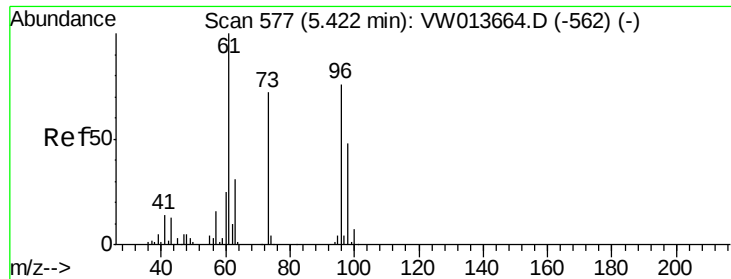
Tot Ion: 76 Resp: 439848
Ion Ratio Lower Upper
76 100
78 8.8 7.0 10.6



#18
Methyl Acetate
Concen: 43.094 ug/l
RT: 4.67 min Scan# 454
Delta R.T. -0.00 min
Lab File: VW013759.D
Acq: 28 Oct 2019 11:43

Tgt Ion: 43 Resp: 65434
Ion Ratio Lower Upper
43 100
74 24.8 19.8 29.8

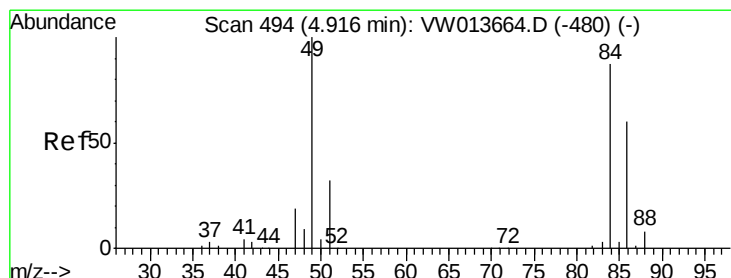
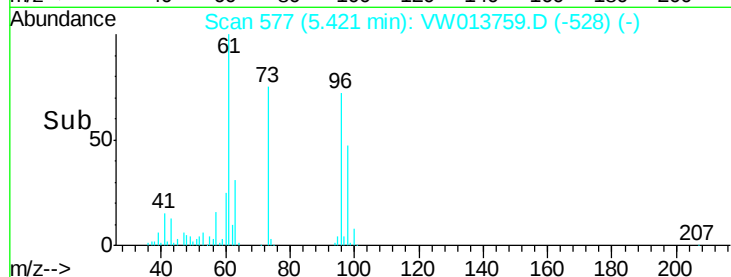
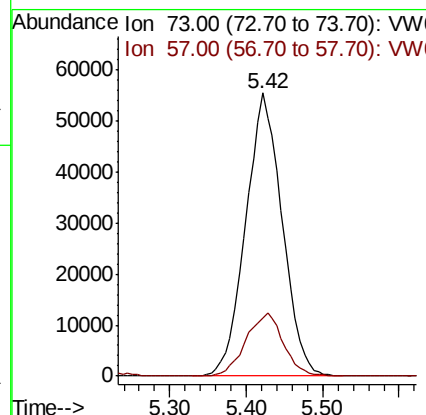
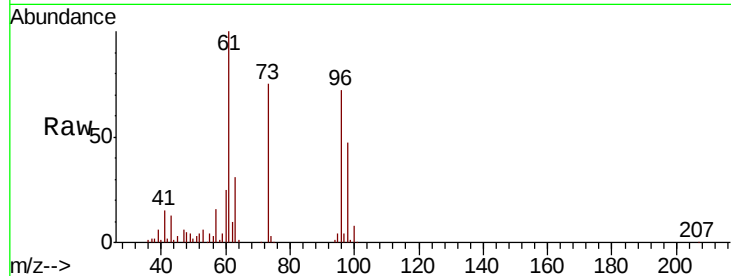




#19
Methvl tert-butvl Ether
Concen: 49.053 ug/l
RT: 5.42 min Scan# 577
Delta R.T. -0.00 min
Lab File: VW013759.D
Acq: 28 Oct 2019 11:43

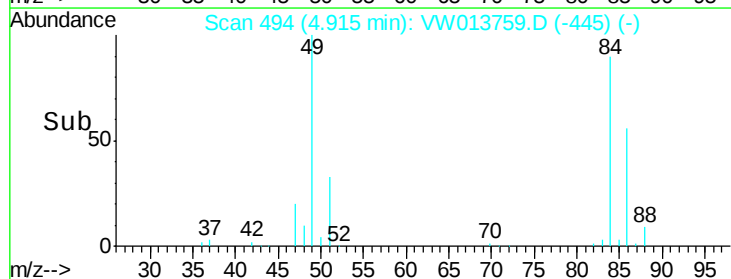
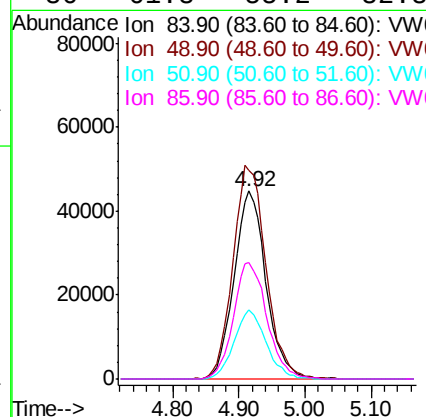
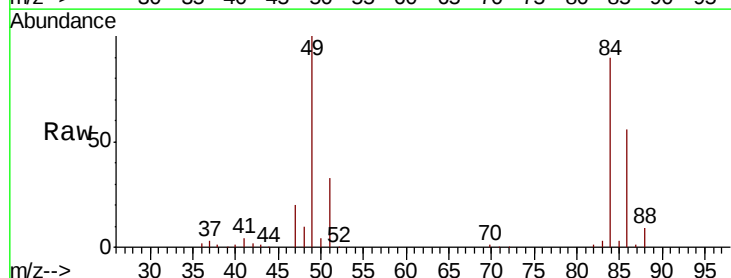
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

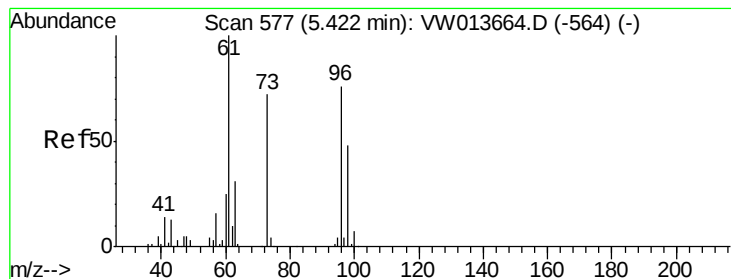
Tot Ion: 73 Resp: 183847
Ion Ratio Lower Upper
73 100
57 20.6 17.6 26.4



#20
Methylene Chloride
Concen: 49.139 ug/l
RT: 4.92 min Scan# 494
Delta R.T. 0.00 min
Lab File: VW013759.D
Acq: 28 Oct 2019 11:43

Tgt Ion: 84 Resp: 150004
Ion Ratio Lower Upper
84 100
49 111.2 91.8 137.6
51 37.0 29.8 44.6
86 61.8 55.2 82.8





#21

trans-1,2-Dichloroethene

Concen: 48.715 ug/l

RT: 5.42 min Scan# 577

Delta R.T. -0.00 min

Lab File: VW013759.D

Acq: 28 Oct 2019 11:43

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

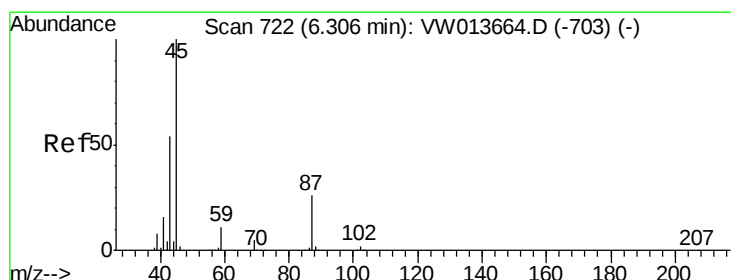
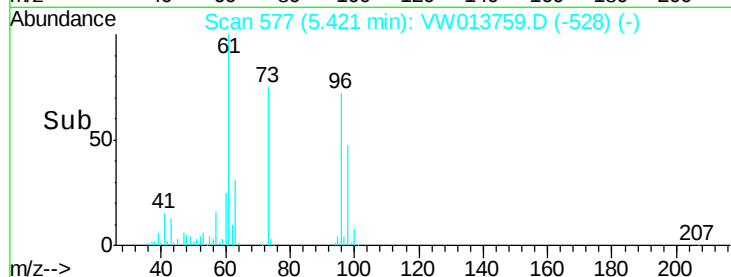
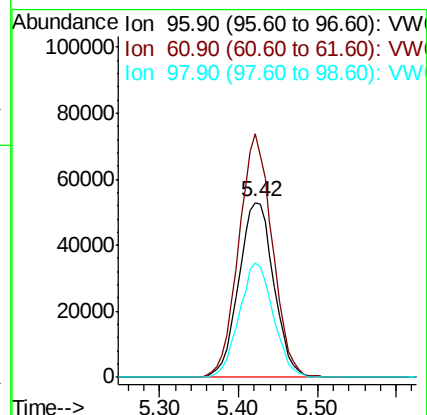
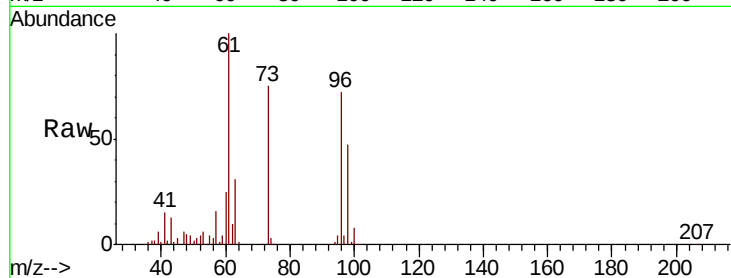
Tot Ion: 96 Resp: 163758

Ion Ratio Lower Upper

96 100

61 139.1 104.8 157.2

98 65.4 50.6 76.0



#22

Diisopropyl ether

Concen: 48.624 ug/l

RT: 6.31 min Scan# 722

Delta R.T. -0.00 min

Lab File: VW013759.D

Acq: 28 Oct 2019 11:43

Tgt Ion: 45 Resp: 425958

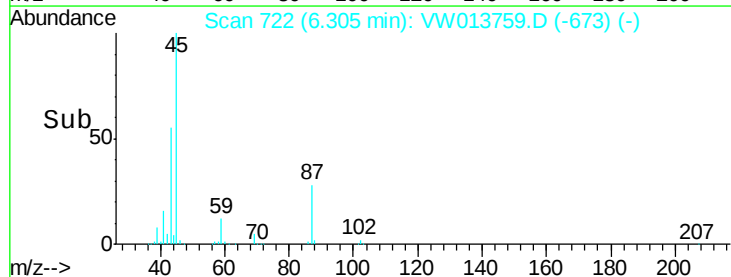
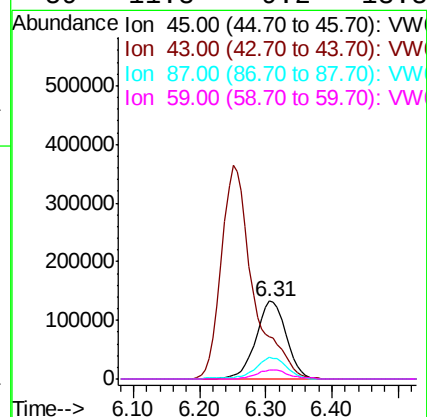
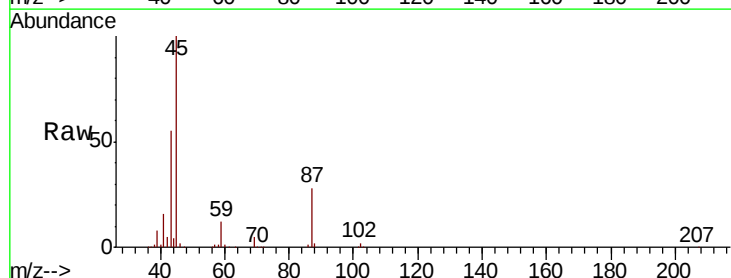
Ion Ratio Lower Upper

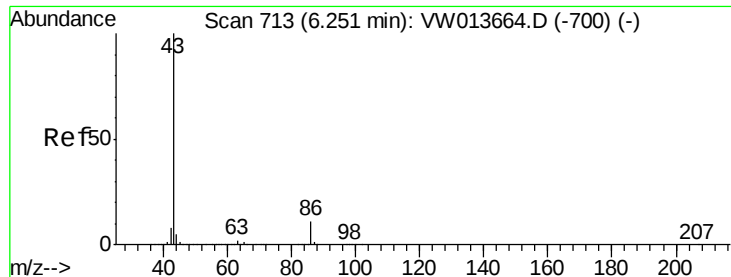
45 100

43 54.8 43.4 65.2

87 28.0 21.5 32.3

59 11.8 9.2 13.8





#23

Vinyl Acetate

Concen: 238.393 ug/l

RT: 6.25 min Scan# 713

Delta R.T. -0.00 min

Lab File: VW013759.D

Acq: 28 Oct 2019 11:43

Instrument :

MSVOA_W

ClientSampleId :

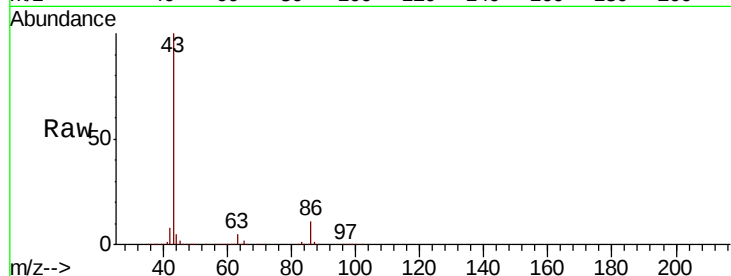
VSTDCCC050

Tot Ion: 43 Resp: 1211755

Ion Ratio Lower Upper

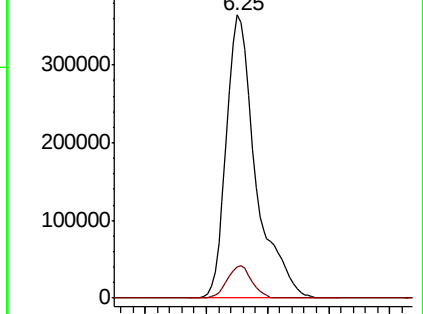
43 100

86 11.2 9.0 13.6

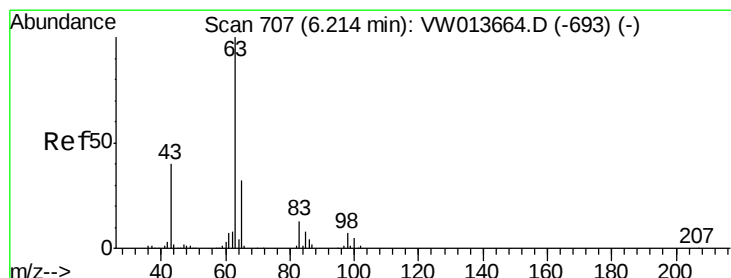
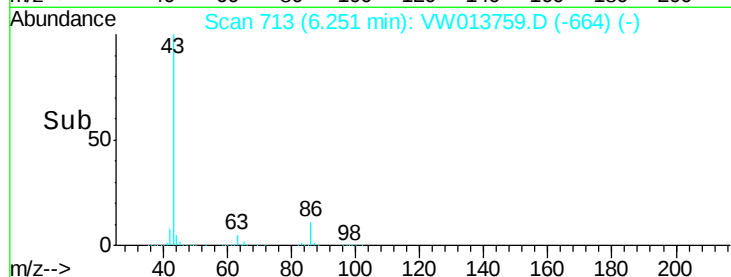


Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 86.00 (85.70 to 86.70): VW



Time-->



#24

1,1-Dichloroethane

Concen: 48.053 ug/l

RT: 6.21 min Scan# 707

Delta R.T. -0.00 min

Lab File: VW013759.D

Acq: 28 Oct 2019 11:43

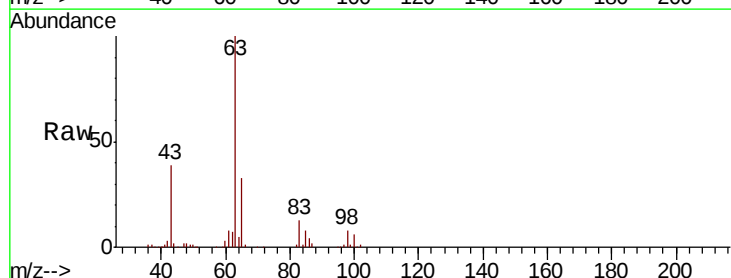
Tgt Ion: 63 Resp: 266599

Ion Ratio Lower Upper

63 100

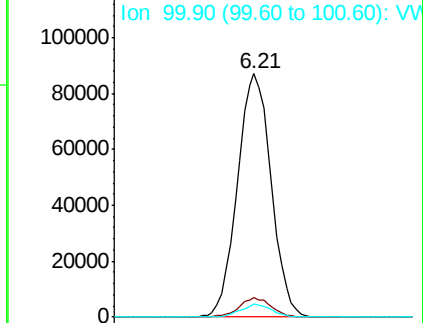
98 7.9 3.6 10.9

100 5.6 2.5 7.4

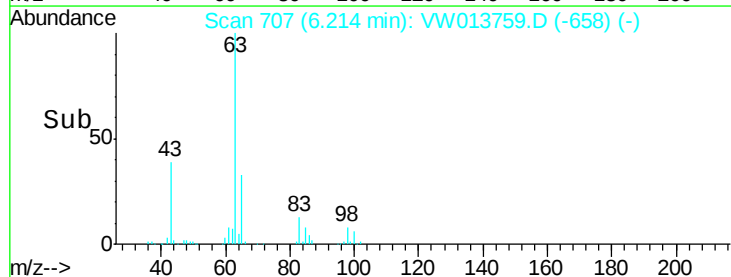


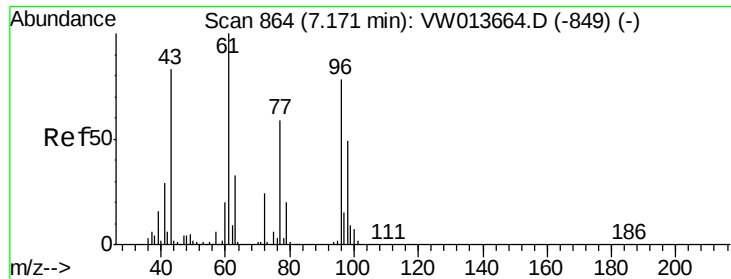
Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 97.90 (97.60 to 98.60): VW



Time-->





#25

2-Butanone

Concen: 230.109 ug/l

RT: 7.17 min Scan# 864

Delta R.T. -0.00 min

Lab File: VW013759.D

Acq: 28 Oct 2019 11:43

Instrument :

MSVOA_W

ClientSampleId :

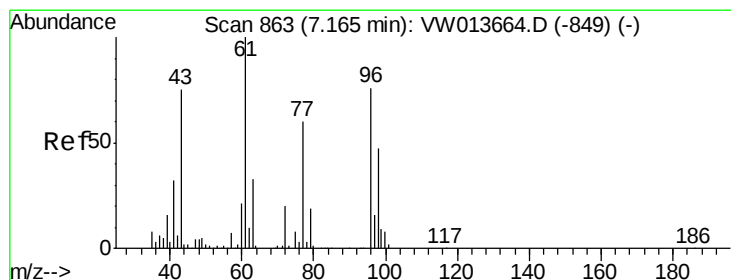
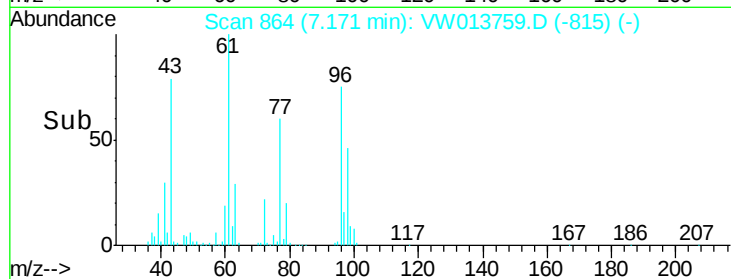
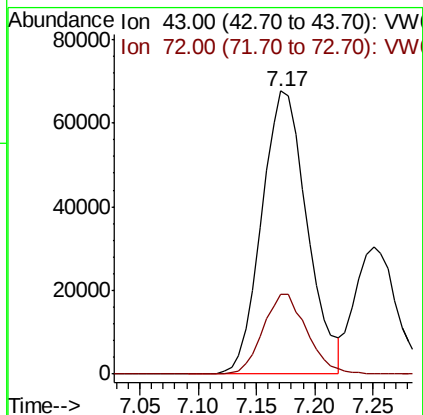
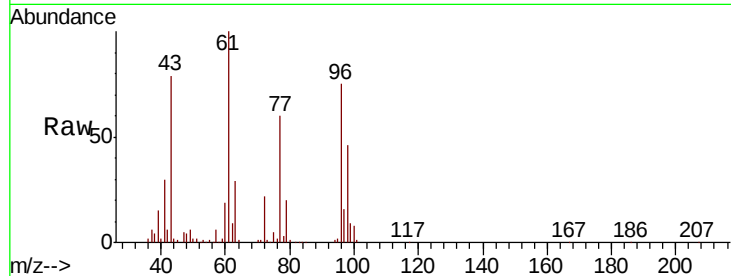
VSTDCCC050

Tot Ion: 43 Resp: 183248

Ion Ratio Lower Upper

43 100

72 28.0 23.6 35.4



#26

2,2-Dichloropropane

Concen: 49.088 ug/l

RT: 7.17 min Scan# 863

Delta R.T. -0.00 min

Lab File: VW013759.D

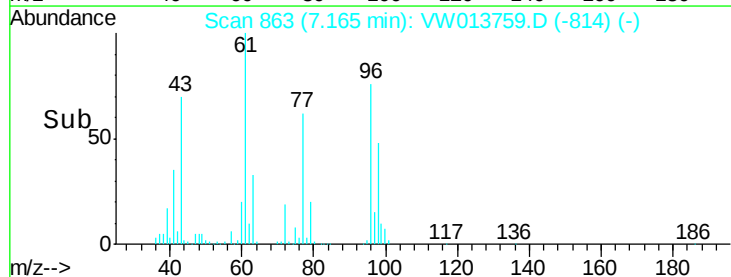
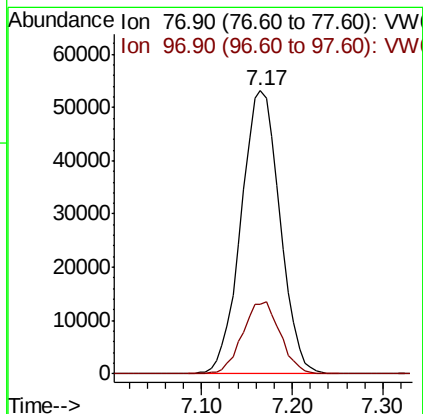
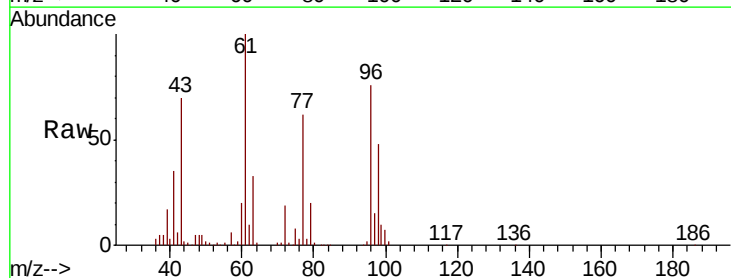
Acq: 28 Oct 2019 11:43

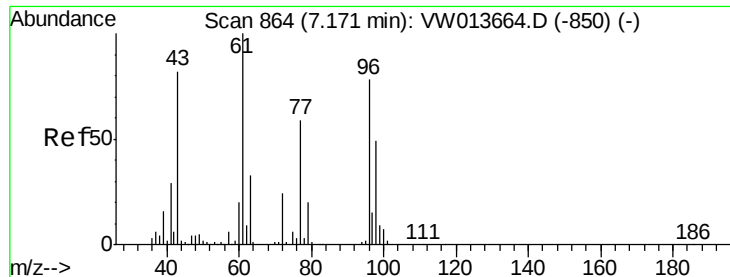
Tgt Ion: 77 Resp: 157483

Ion Ratio Lower Upper

77 100

97 24.7 12.8 38.4



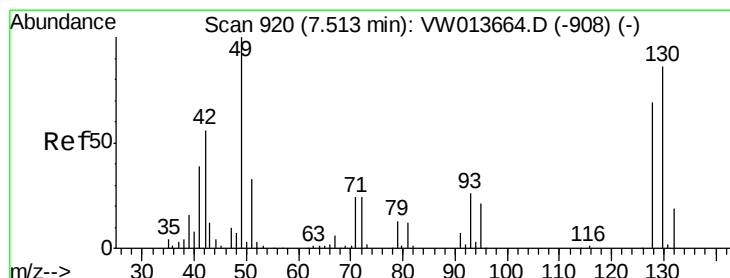
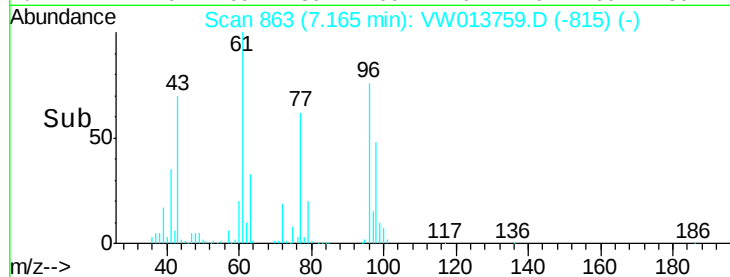
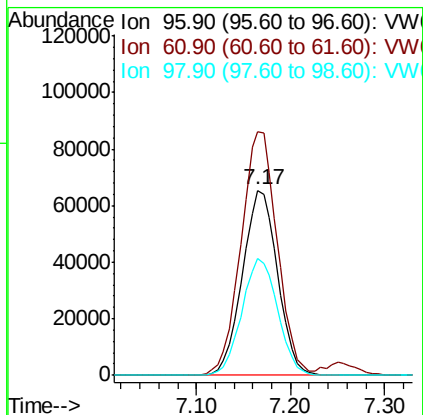
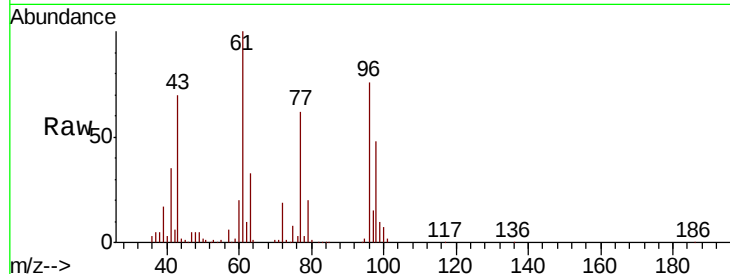


#27

cis-1,2-Dichloroethene
 Concen: 47.941 ug/l
 RT: 7.17 min Scan# 863
 Delta R.T. -0.01 min
 Lab File: VW013759.D
 Acq: 28 Oct 2019 11:43

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

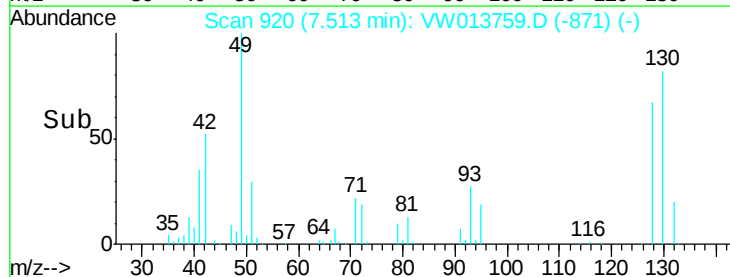
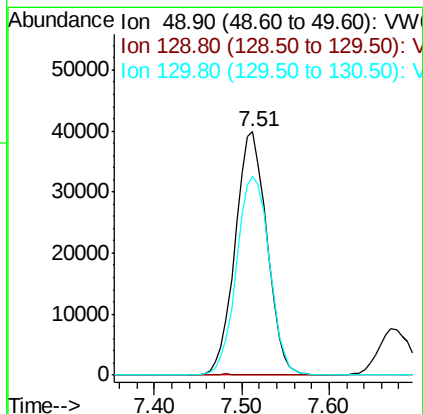
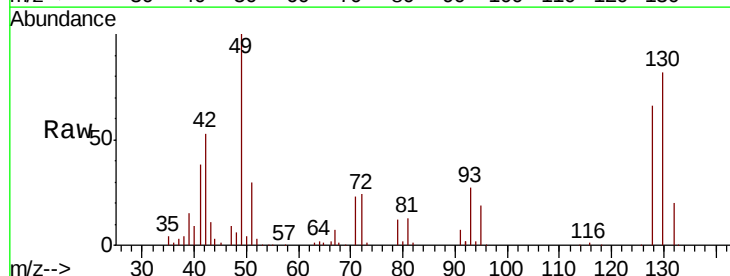
Tot Ion: 96 Resp: 171169
 Ion Ratio Lower Upper
 96 100
 61 135.8 0.0 266.0
 98 64.2 0.0 126.8

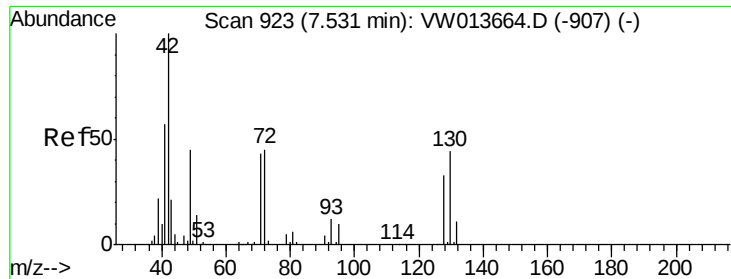


#28

Bromochloromethane
 Concen: 50.976 ug/l
 RT: 7.51 min Scan# 920
 Delta R.T. 0.00 min
 Lab File: VW013759.D
 Acq: 28 Oct 2019 11:43

Tgt Ion: 49 Resp: 100815
 Ion Ratio Lower Upper
 49 100
 129 0.0 0.0 0.6
 130 84.7 67.5 101.3

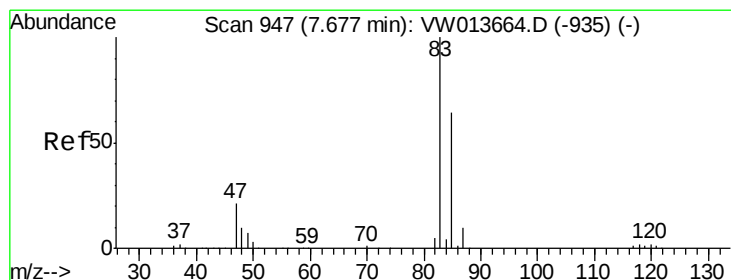
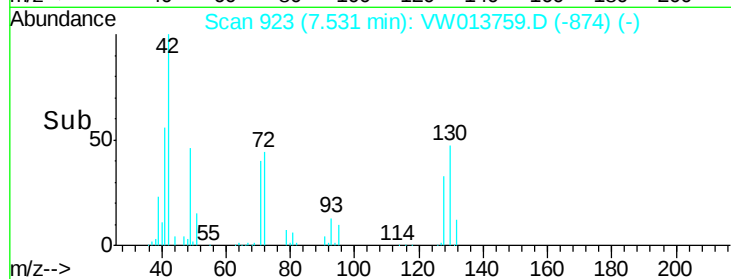
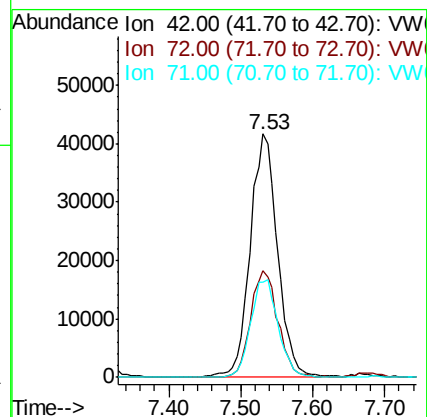
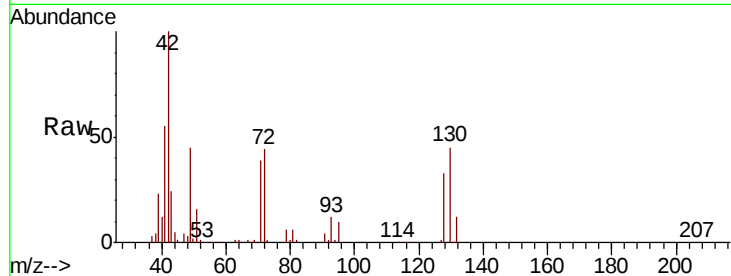




#29
Tetrahydrofuran
Concen: 223.711 ug/l
RT: 7.53 min Scan# 923
Delta R.T. -0.00 min
Lab File: VW013759.D
Acq: 28 Oct 2019 11:43

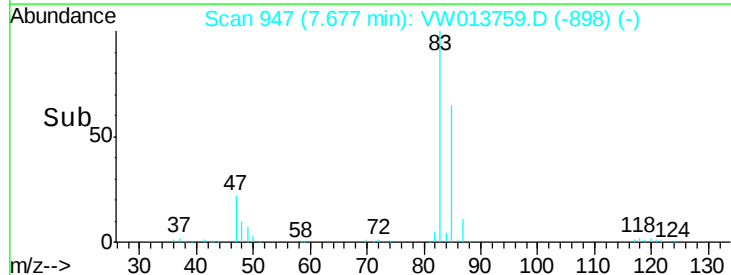
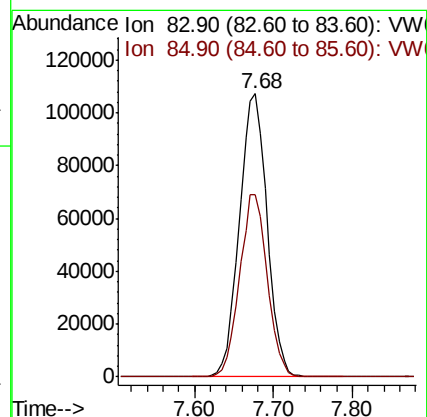
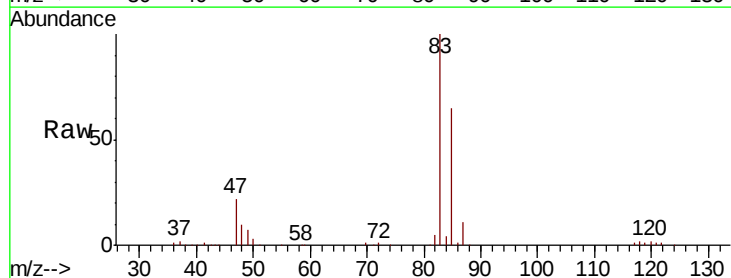
Instrument :
MSVOA_W
ClientSampled :
VSTDCCC050

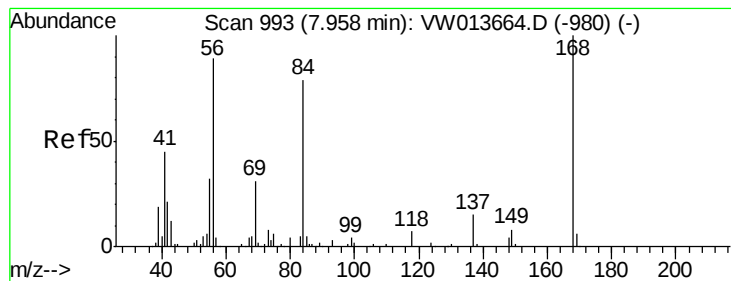
Tot Ion: 42 Resp: 110295
Ion Ratio Lower Upper
42 100
72 43.5 35.3 52.9
71 40.4 33.3 49.9



#30
Chloroform
Concen: 47.698 ug/l
RT: 7.68 min Scan# 947
Delta R.T. -0.00 min
Lab File: VW013759.D
Acq: 28 Oct 2019 11:43

Tgt Ion: 83 Resp: 261598
Ion Ratio Lower Upper
83 100
85 64.6 51.4 77.2





#31

Cyclohexane

Concen: 46.581 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.01 min

Lab File: VW013759.D

Acq: 28 Oct 2019 11:43

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

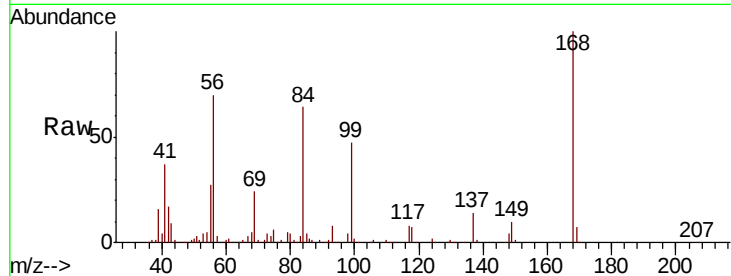
Tot Ion: 56 Resp: 270453

Ion Ratio Lower Upper

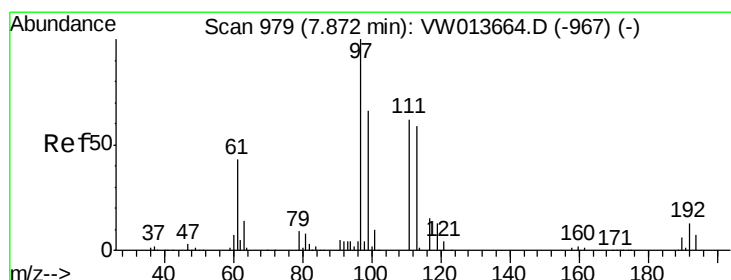
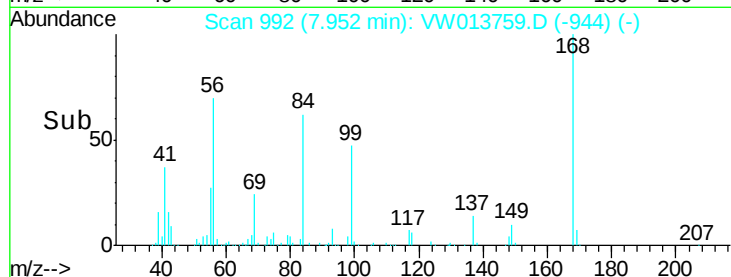
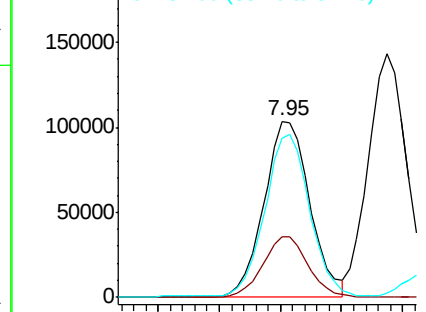
56 100

69 34.3 27.5 41.3

84 89.4 70.8 106.2



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



#32

1,1,1-Trichloroethane

Concen: 49.729 ug/l

RT: 7.87 min Scan# 979

Delta R.T. -0.00 min

Lab File: VW013759.D

Acq: 28 Oct 2019 11:43

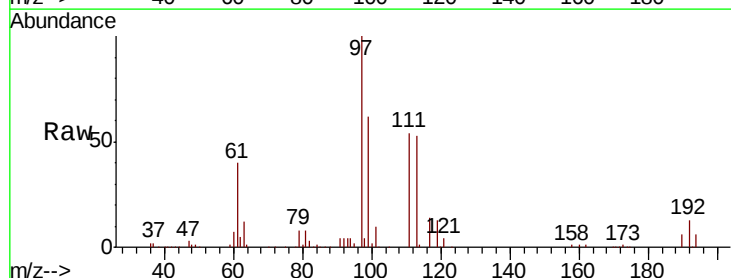
Tgt Ion: 97 Resp: 214029

Ion Ratio Lower Upper

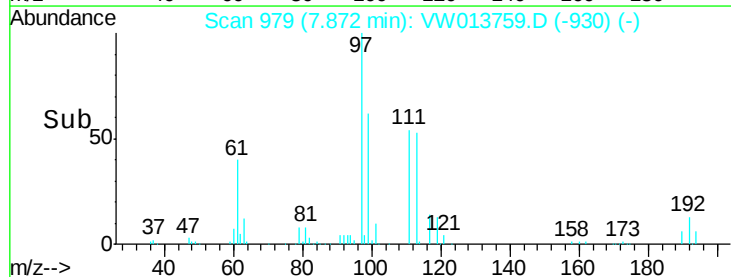
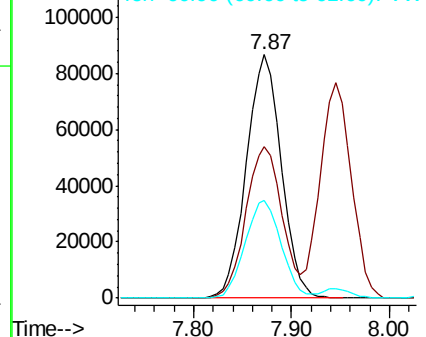
97 100

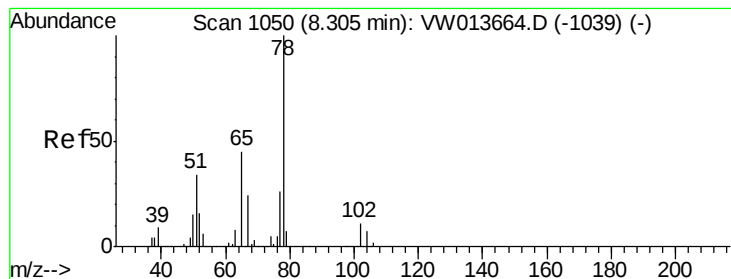
99 64.7 52.0 78.0

61 41.6 33.8 50.6



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





#33

1,2-Dichloroethane-d4

Concen: 49.489 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. -0.00 min

Lab File: VW013759.D

Acq: 28 Oct 2019 11:43

Instrument :

MSVOA_W

ClientSampleId :

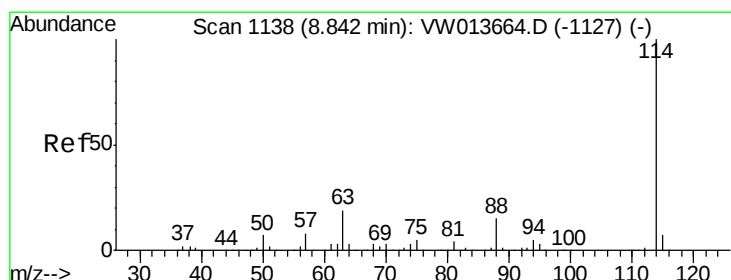
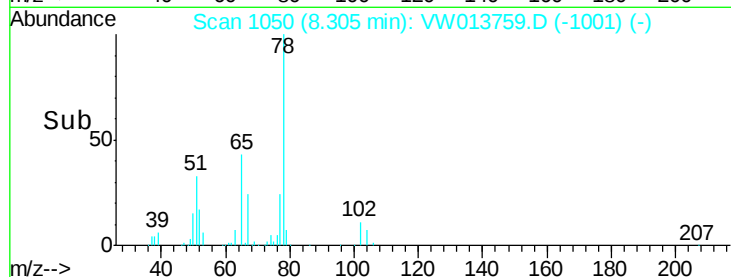
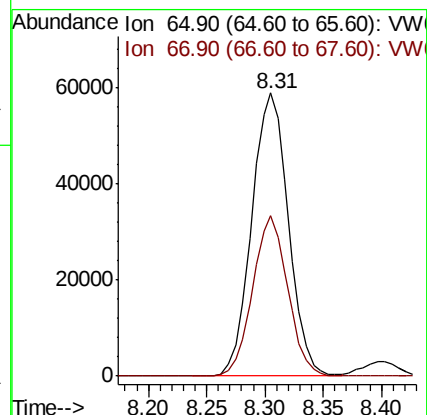
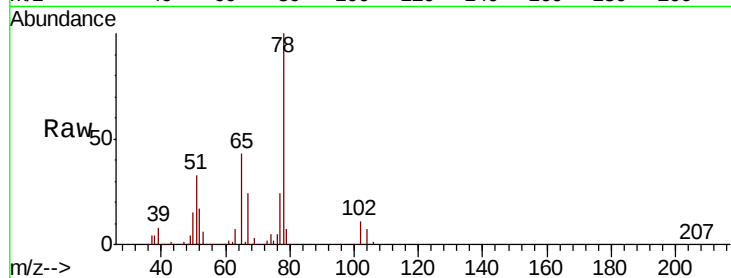
VSTDCCC050

Tot Ion: 65 Resp: 129285

Ion Ratio Lower Upper

65 100

67 54.2 0.0 109.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.84 min Scan# 1138

Delta R.T. -0.00 min

Lab File: VW013759.D

Acq: 28 Oct 2019 11:43

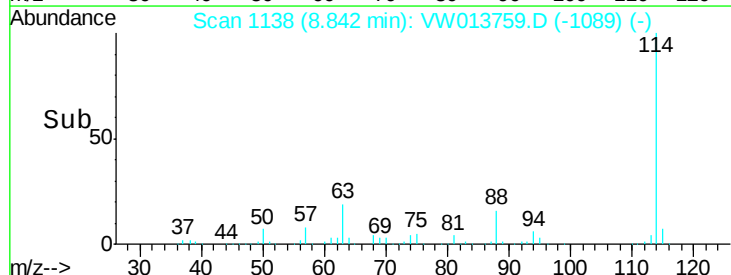
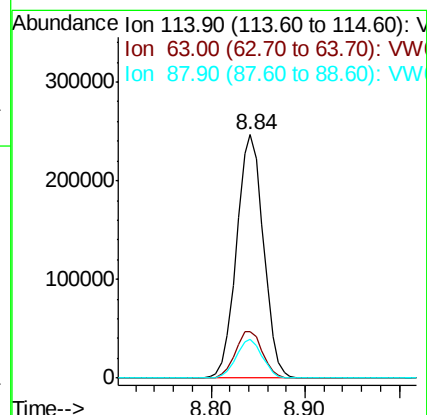
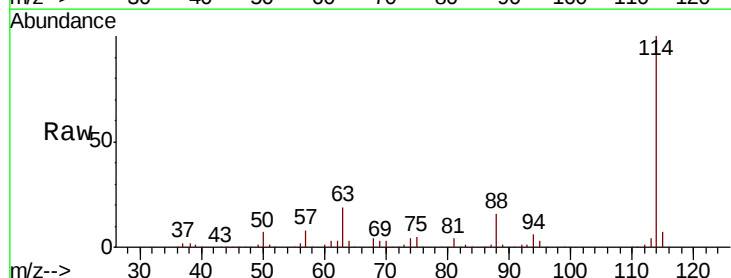
Tgt Ion: 114 Resp: 487710

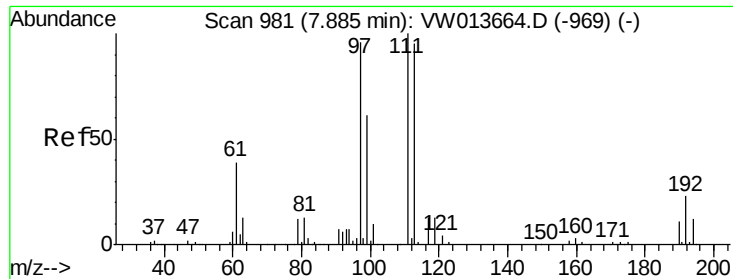
Ion Ratio Lower Upper

114 100

63 19.0 0.0 37.6

88 15.9 0.0 30.2

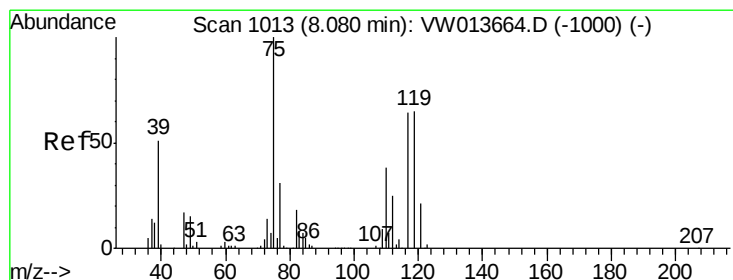
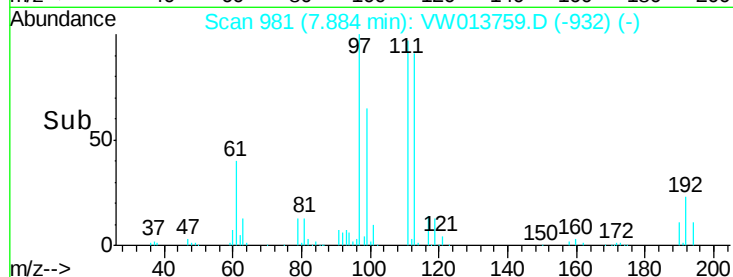
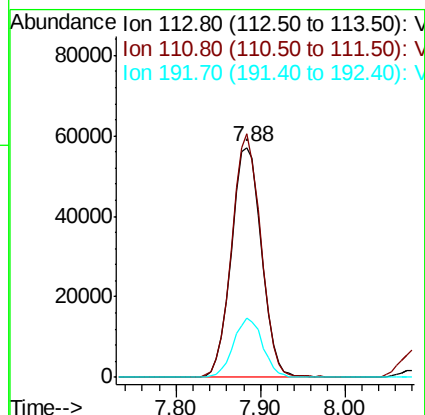
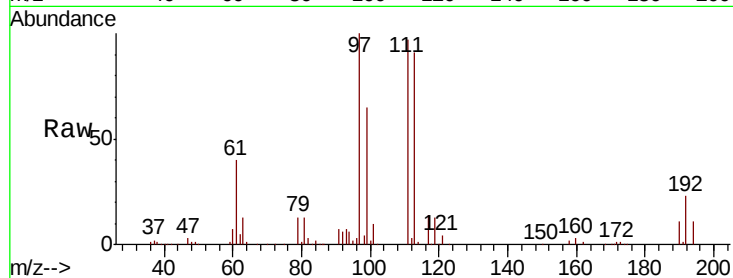




#35
Dibromofluoromethane
Concen: 51.124 ug/l
RT: 7.88 min Scan# 981
Delta R.T. -0.00 min
Lab File: VW013759.D
Acq: 28 Oct 2019 11:43

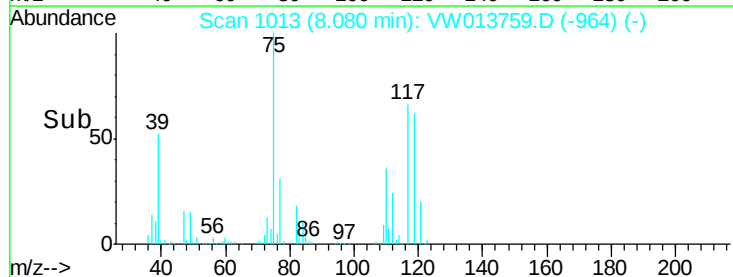
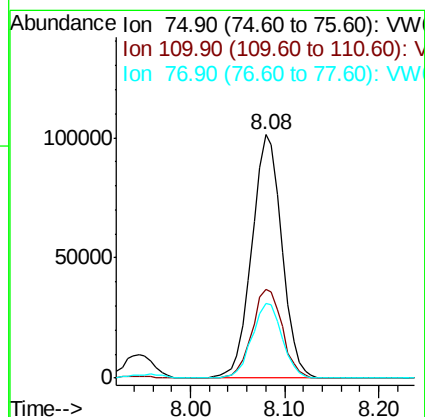
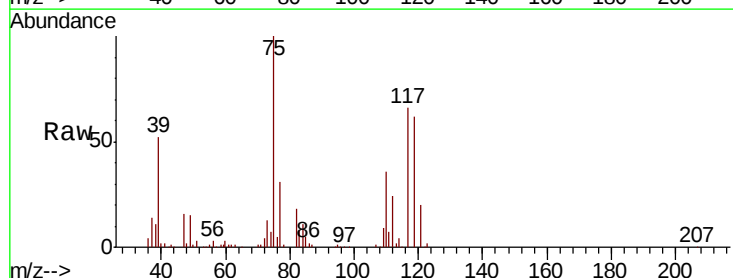
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

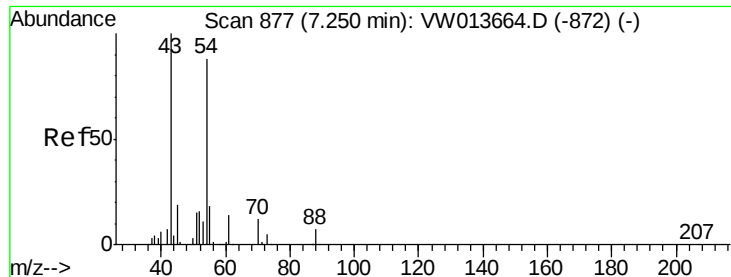
Tot Ion:113 Resp: 138546
Ion Ratio Lower Upper
113 100
111 102.1 83.0 124.6
192 24.7 19.4 29.2



#36
1,1-Dichloropropene
Concen: 49.650 ug/l
RT: 8.08 min Scan# 1013
Delta R.T. -0.00 min
Lab File: VW013759.D
Acq: 28 Oct 2019 11:43

Tgt Ion: 75 Resp: 225516
Ion Ratio Lower Upper
75 100
110 36.8 18.7 56.1
77 31.0 25.4 38.0

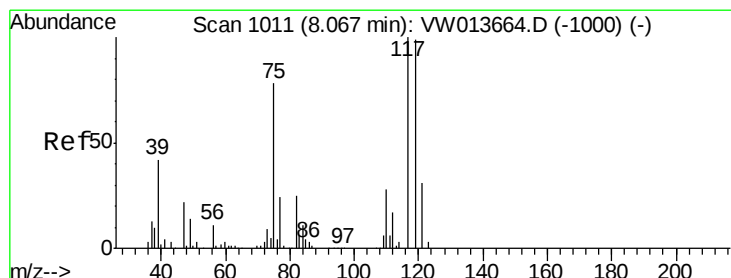
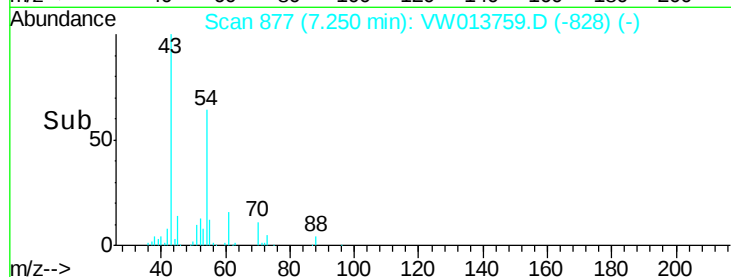
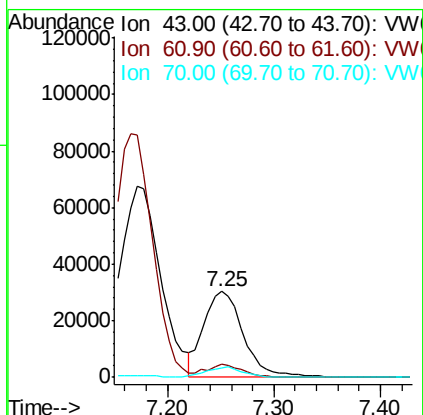
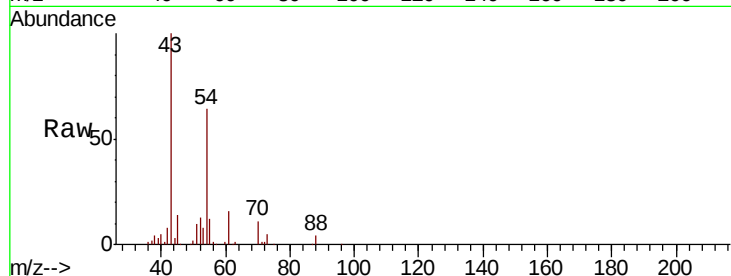




#37
Ethyl Acetate
Concen: 44.134 ug/l
RT: 7.25 min Scan# 877
Delta R.T. -0.00 min
Lab File: VW013759.D
Acq: 28 Oct 2019 11:43

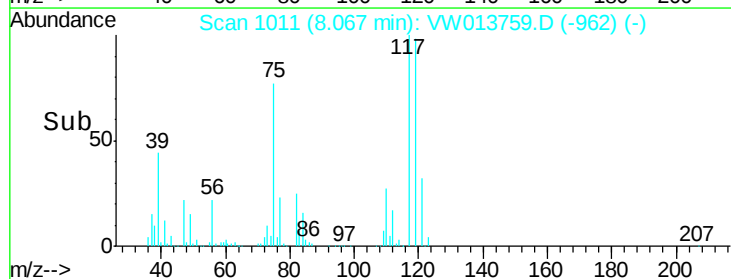
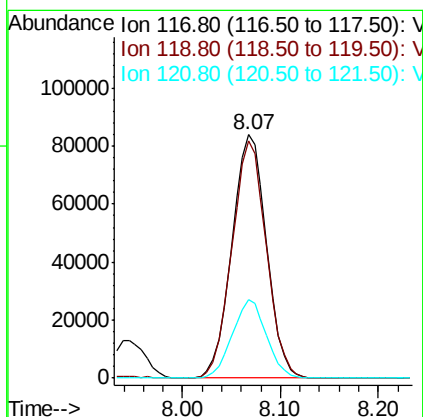
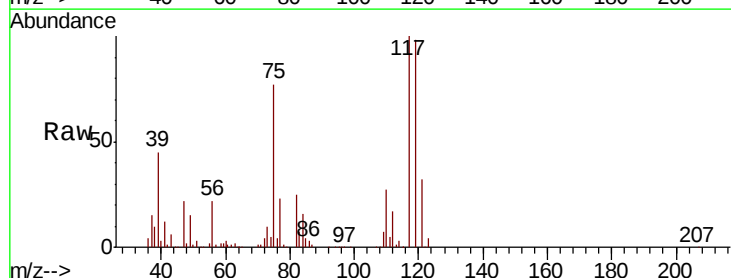
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

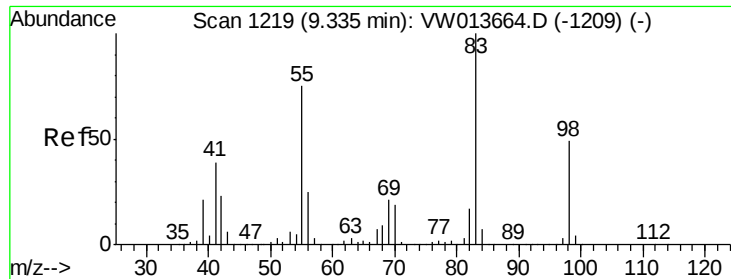
Tot Ion: 43 Resp: 76736
Ion Ratio Lower Upper
43 100
61 14.1 11.7 17.5
70 11.7 8.8 13.2



#38
Carbon Tetrachloride
Concen: 50.246 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. -0.00 min
Lab File: VW013759.D
Acq: 28 Oct 2019 11:43

Tgt Ion: 117 Resp: 205514
Ion Ratio Lower Upper
117 100
119 97.6 79.0 118.4
121 32.0 24.5 36.7

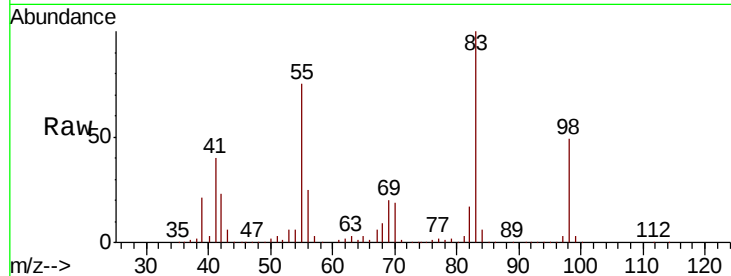




#39
Methvlcvclohexane
Concen: 50.133 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. -0.00 min
Lab File: VW013759.D
Acq: 28 Oct 2019 11:43

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
83	100		
55	74.9	59.9	89.9
98	49.0	39.4	59.2

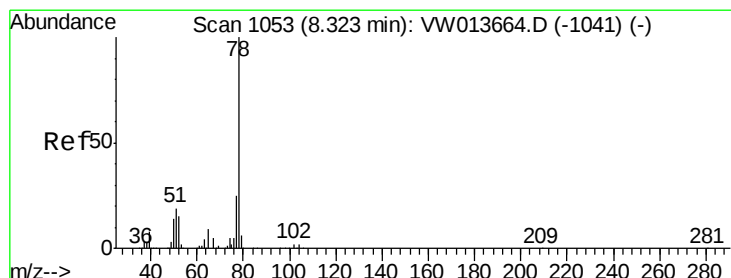
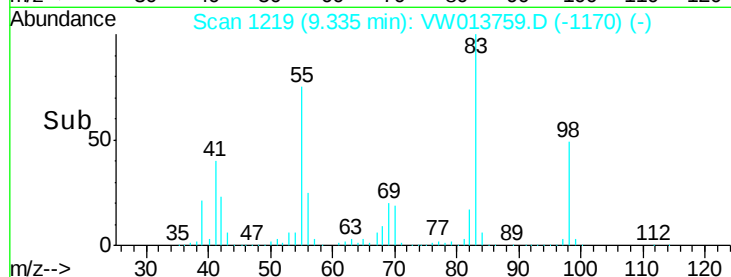
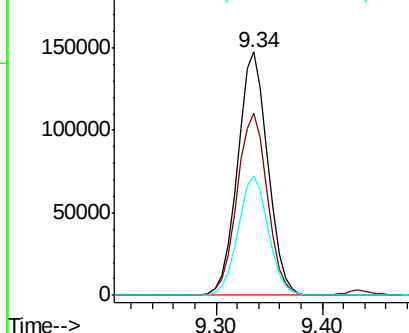


Abundance

Ion 83.00 (82.70 to 83.70): VW

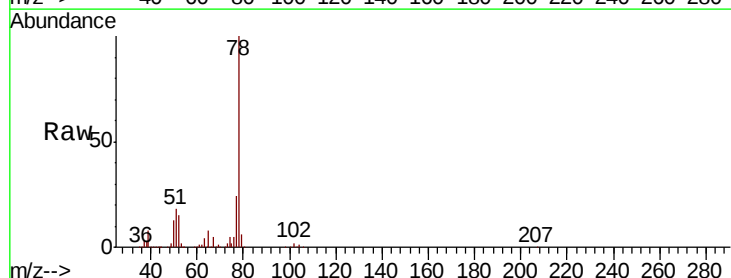
Ion 55.00 (54.70 to 55.70): VW

Ion 98.00 (97.70 to 98.70): VW



#40
Benzene
Concen: 48.874 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. -0.00 min
Lab File: VW013759.D
Acq: 28 Oct 2019 11:43

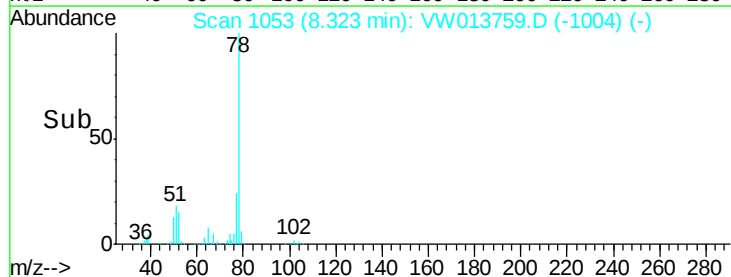
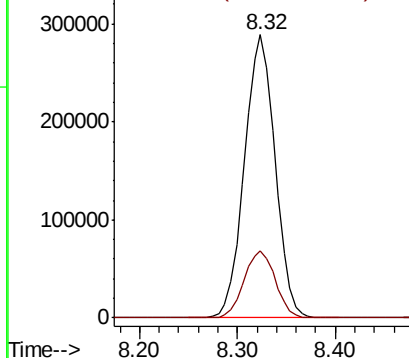
Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.7	19.6	29.4

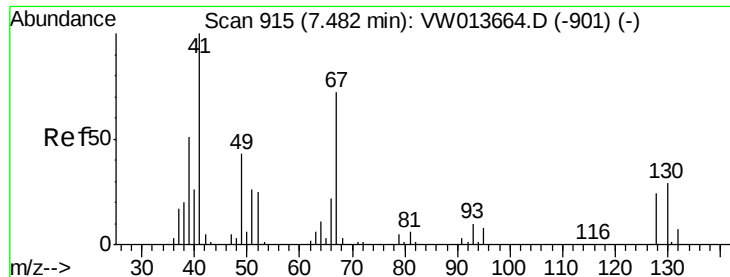


Abundance

Ion 78.00 (77.70 to 78.70): VW

Ion 77.00 (76.70 to 77.70): VW

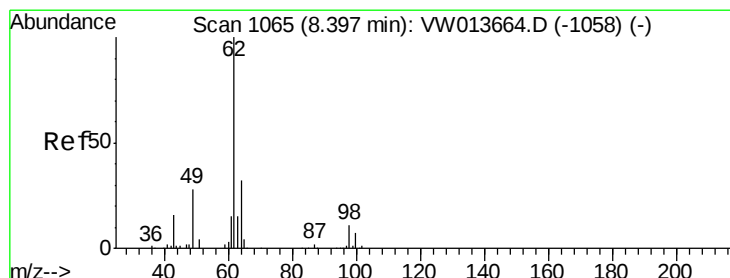
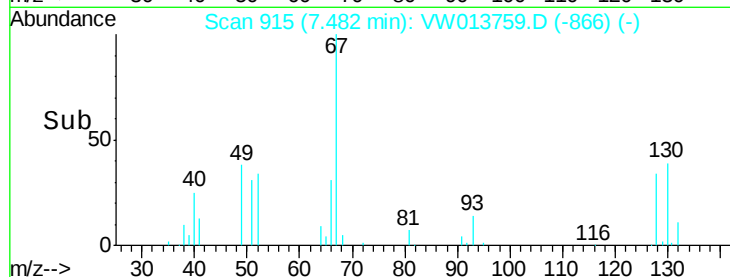
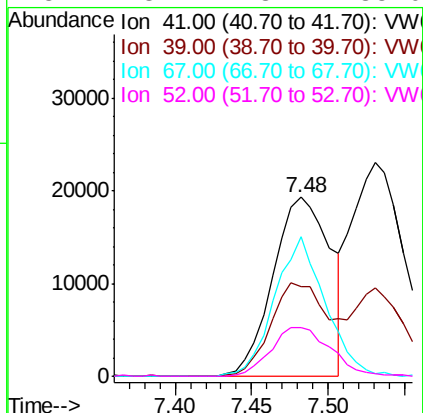
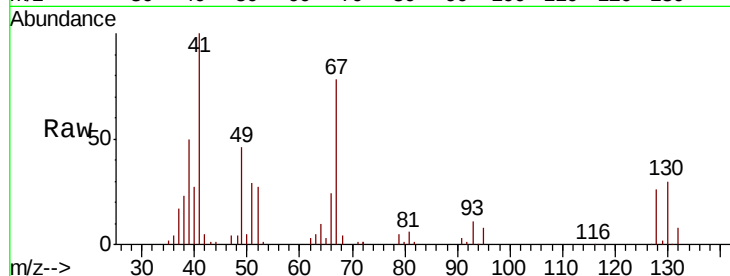




#41
Methacrylonitrile
Concen: 46.657 ug/l
RT: 7.48 min Scan# 915
Delta R.T. -0.00 min
Lab File: VW013759.D
Acq: 28 Oct 2019 11:43

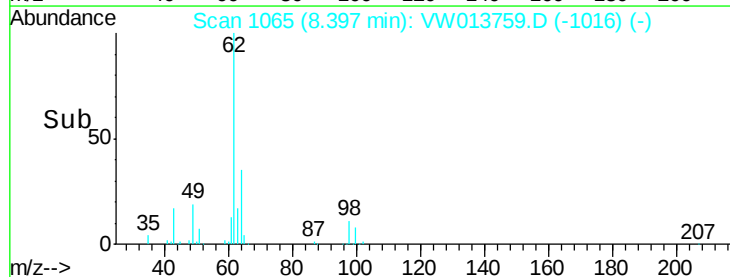
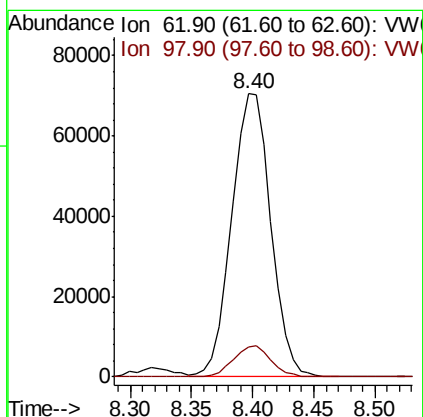
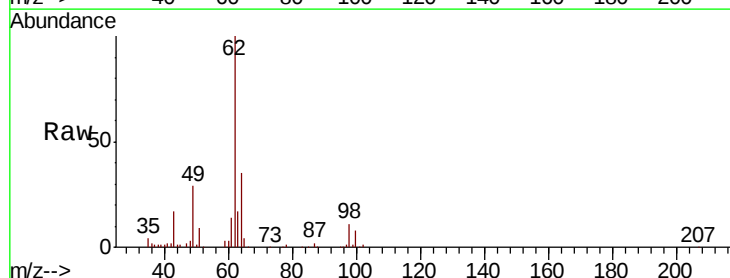
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

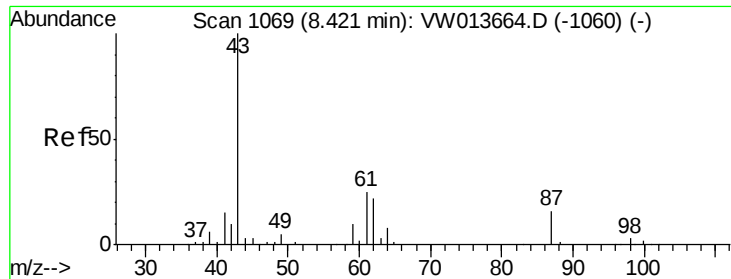
Tot Ion:	41	Resp:	50587
Ion	Ratio	Lower	Upper
41	100		
39	55.9	44.8	67.2
67	68.6	59.3	88.9
52	28.4	23.4	35.0



#42
1,2-Dichloroethane
Concen: 48.055 ug/l
RT: 8.40 min Scan# 1065
Delta R.T. -0.00 min
Lab File: VW013759.D
Acq: 28 Oct 2019 11:43

Tgt Ion:	62	Resp:	155660
Ion	Ratio	Lower	Upper
62	100		
98	10.6	0.0	22.4





#43

Isopropyl Acetate

Concen: 46.189 ug/l

RT: 8.42 min Scan# 1069

Delta R.T. -0.00 min

Lab File: VW013759.D

Acq: 28 Oct 2019 11:43

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

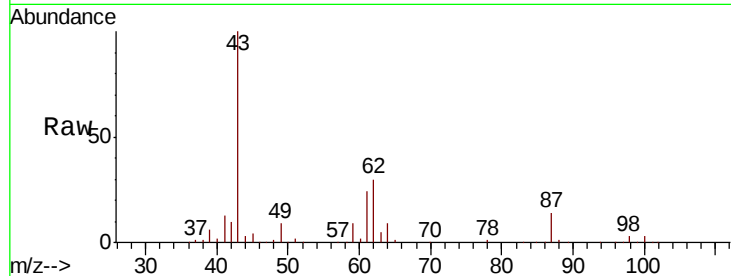
Tot Ion: 43 Resp: 153722

Ion Ratio Lower Upper

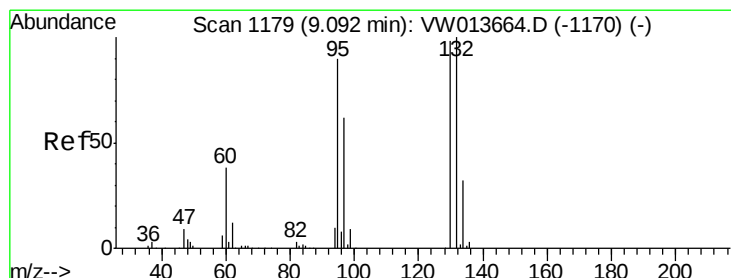
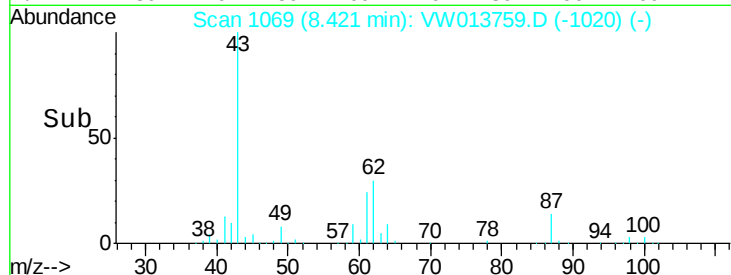
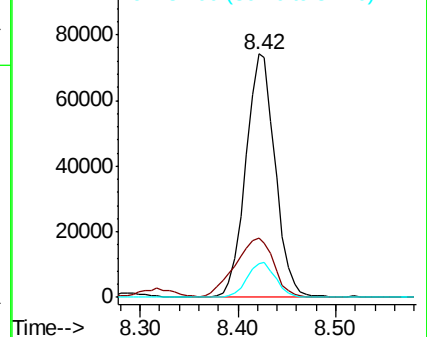
43 100

61 32.3 26.1 39.1

87 14.1 11.4 17.0



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



#44

Trichloroethene

Concen: 49.989 ug/l

RT: 9.09 min Scan# 1179

Delta R.T. -0.00 min

Lab File: VW013759.D

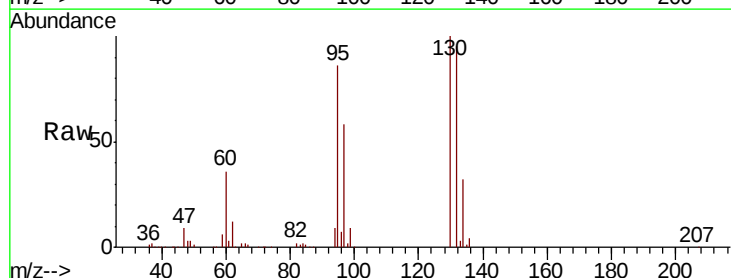
Acq: 28 Oct 2019 11:43

Tgt Ion: 130 Resp: 184061

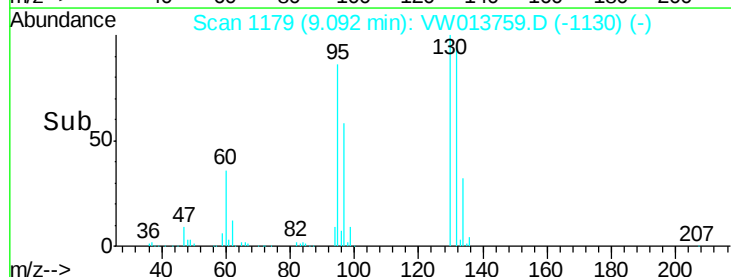
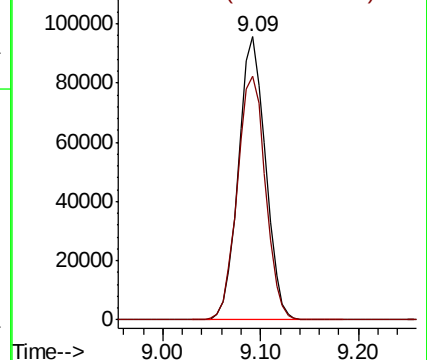
Ion Ratio Lower Upper

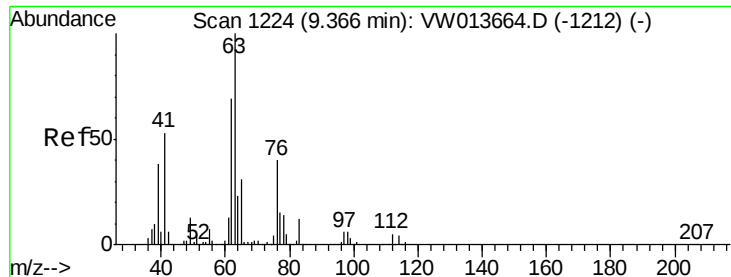
130 100

95 86.2 0.0 184.6



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

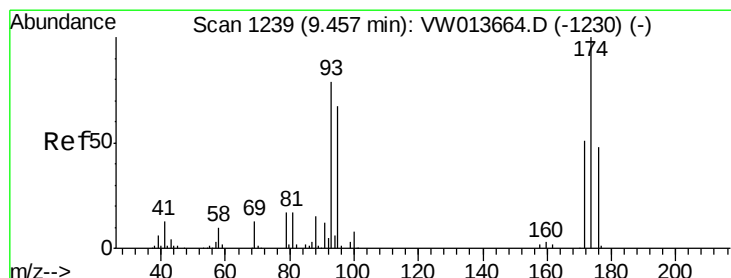
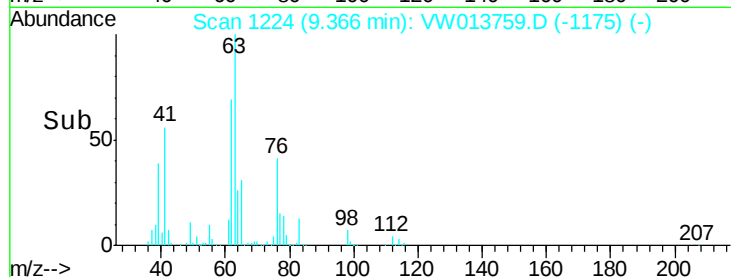
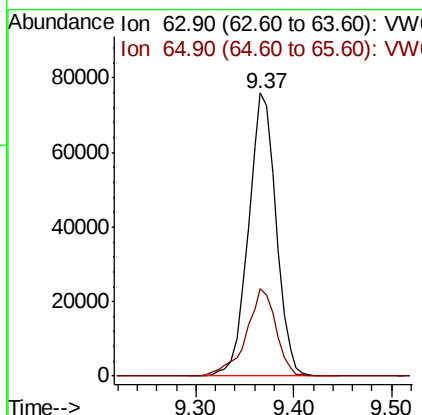
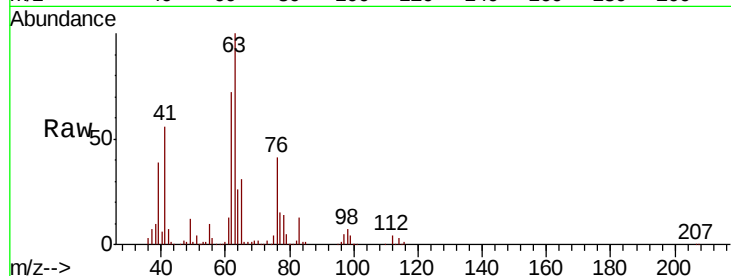




#45
 1,2-Dichloropropane
 Concen: 48.414 ug/l
 RT: 9.37 min Scan# 1224
 Delta R.T. -0.00 min
 Lab File: VW013759.D
 Acq: 28 Oct 2019 11:43

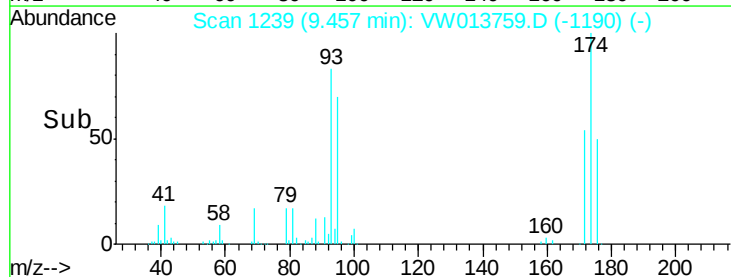
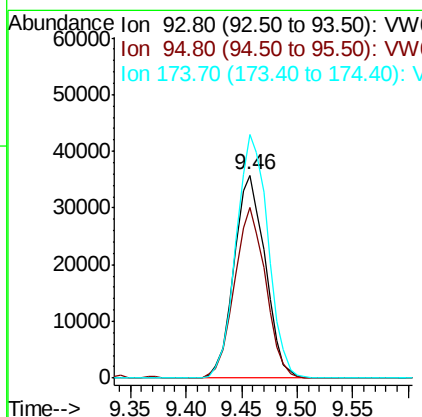
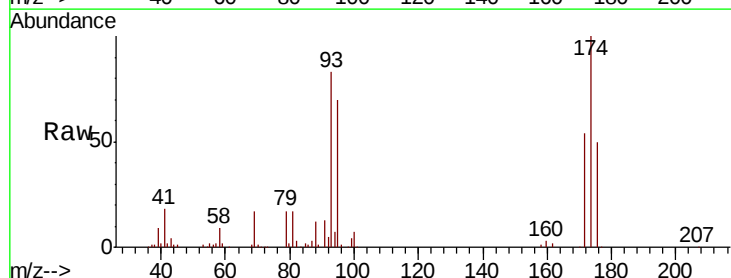
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

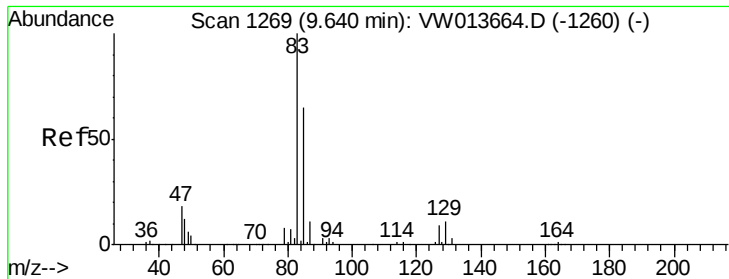
Tot Ion: 63 Resp: 148644
 Ion Ratio Lower Upper
 63 100
 65 31.0 25.2 37.8



#46
 Dibromomethane
 Concen: 46.607 ug/l
 RT: 9.46 min Scan# 1239
 Delta R.T. -0.00 min
 Lab File: VW013759.D
 Acq: 28 Oct 2019 11:43

Tgt Ion: 93 Resp: 69453
 Ion Ratio Lower Upper
 93 100
 95 84.1 66.5 99.7
 174 123.1 99.6 149.4

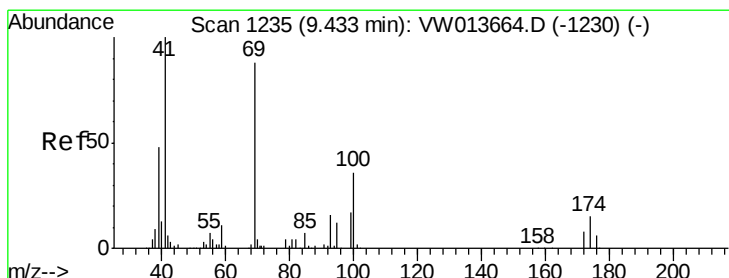
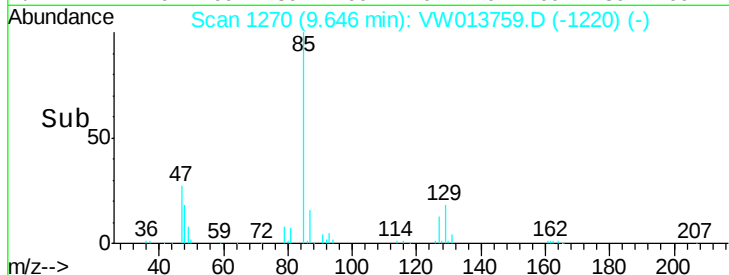
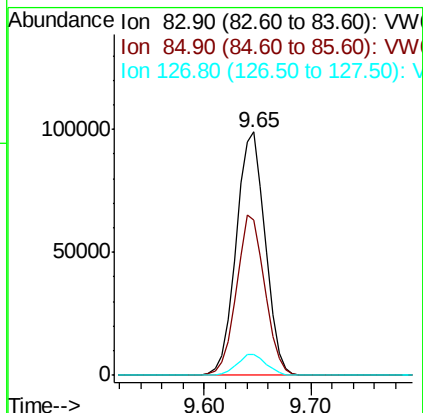
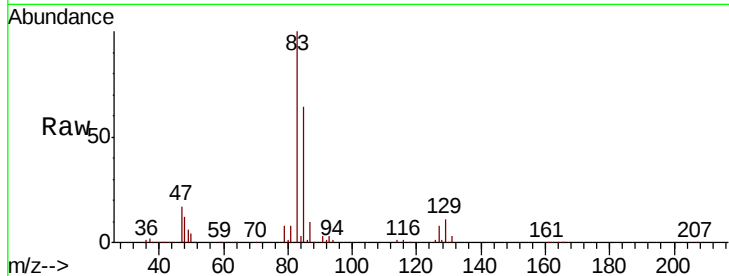




#47
 Bromodichloromethane
 Concen: 49.079 ug/l
 RT: 9.65 min Scan# 1270
 Delta R.T. 0.01 min
 Lab File: VW013759.D
 Acq: 28 Oct 2019 11:43

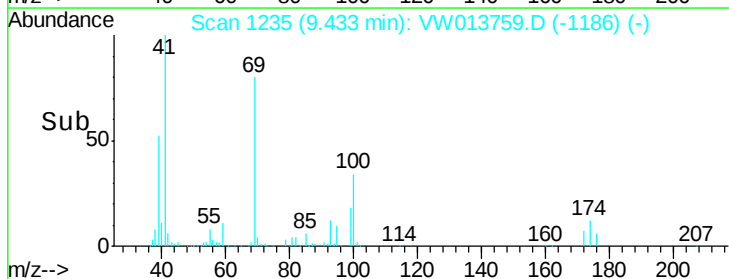
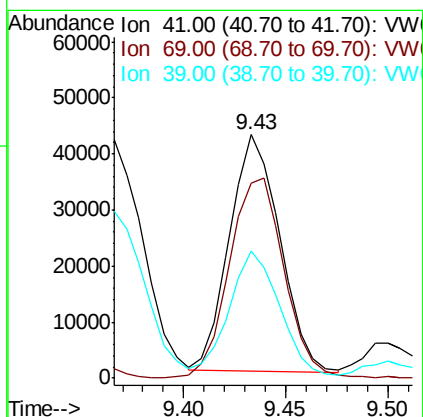
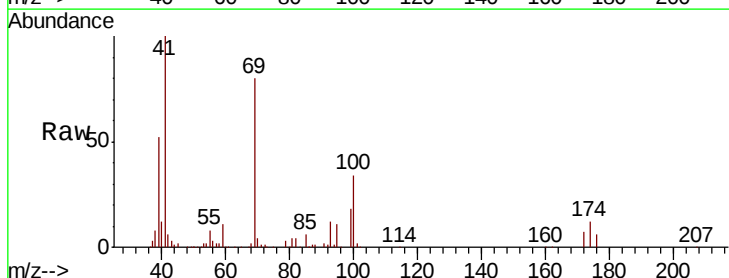
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

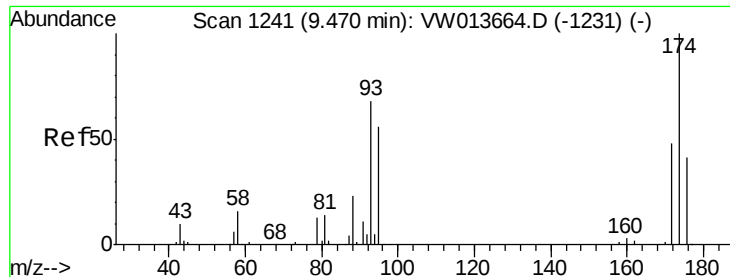
Tot Ion: 83 Resp: 189239
 Ion Ratio Lower Upper
 83 100
 85 63.5 51.8 77.6
 127 8.5 7.3 10.9



#48
 Methyl methacrylate
 Concen: 43.827 ug/l
 RT: 9.43 min Scan# 1235
 Delta R.T. -0.00 min
 Lab File: VW013759.D
 Acq: 28 Oct 2019 11:43

Tgt Ion: 41 Resp: 72332
 Ion Ratio Lower Upper
 41 100
 69 91.9 67.6 101.4
 39 51.2 38.6 58.0

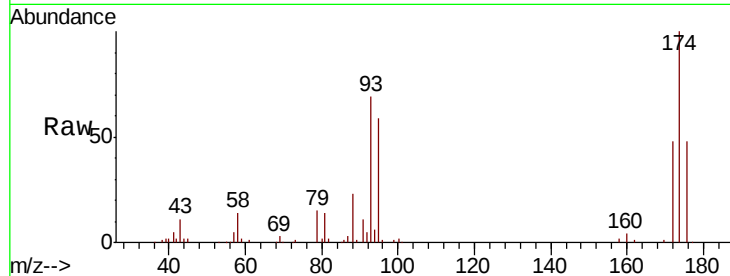




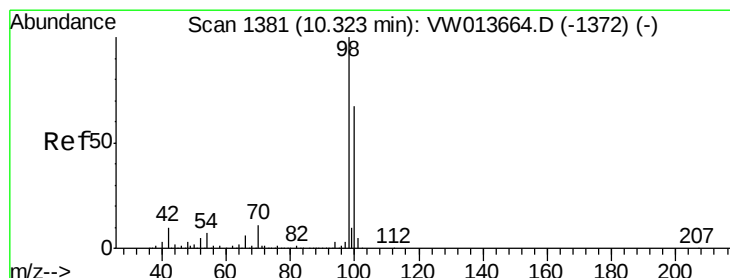
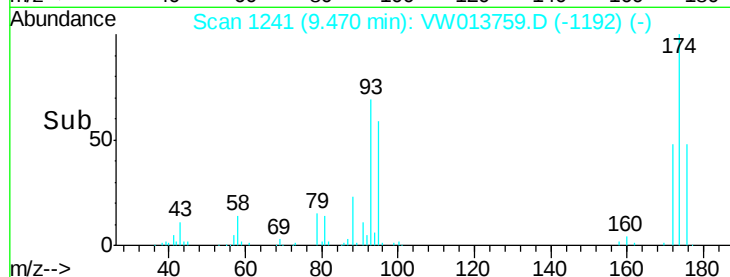
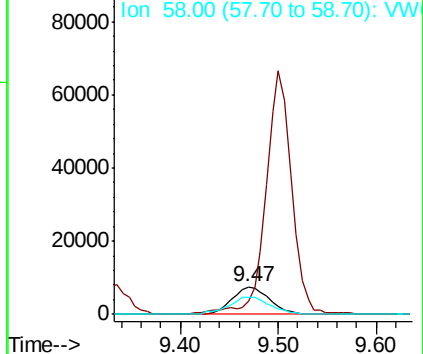
#49
1,4-Dioxane
Concen: 912.421 ug/l
RT: 9.47 min Scan# 1241
Delta R.T. -0.00 min
Lab File: VW013759.D
Acq: 28 Oct 2019 11:43

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion: 88 Resp: 20092
Ion Ratio Lower Upper
88 100
43 0.0 0.0 0.0
58 70.6 58.9 88.3

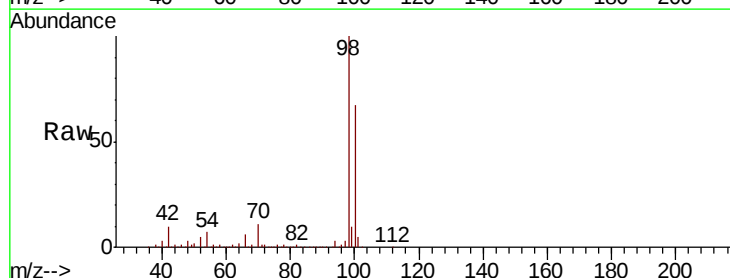


Abundance Ion 88.00 (87.70 to 88.70): VW
Ion 43.00 (42.70 to 43.70): VW
Ion 58.00 (57.70 to 58.70): VW

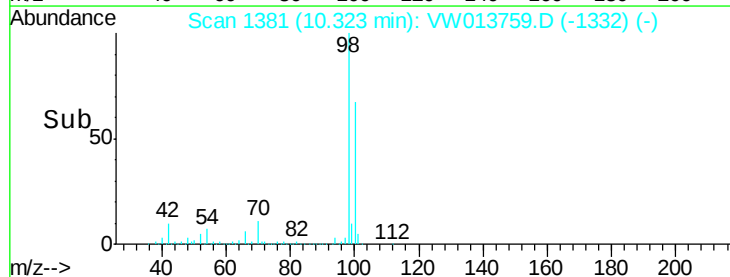
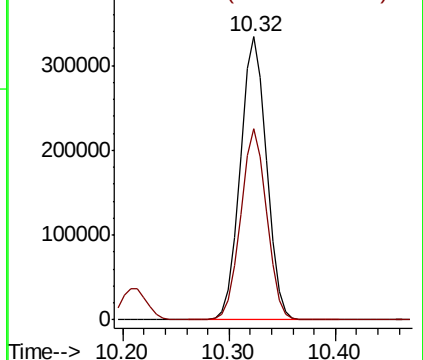


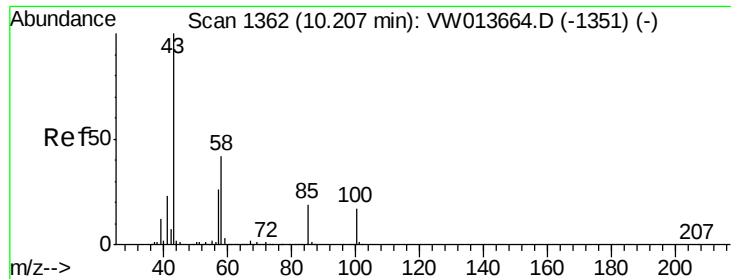
#50
Toluene-d8
Concen: 52.494 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW013759.D
Acq: 28 Oct 2019 11:43

Tgt Ion: 98 Resp: 579670
Ion Ratio Lower Upper
98 100
100 66.7 53.4 80.0



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

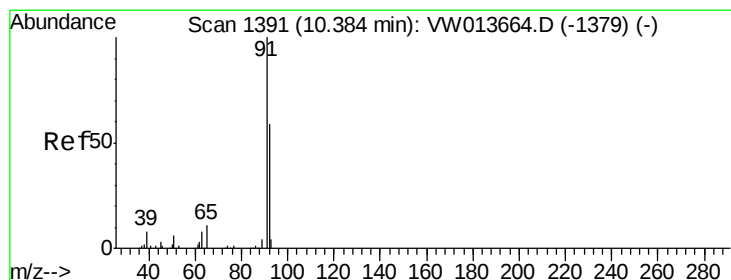
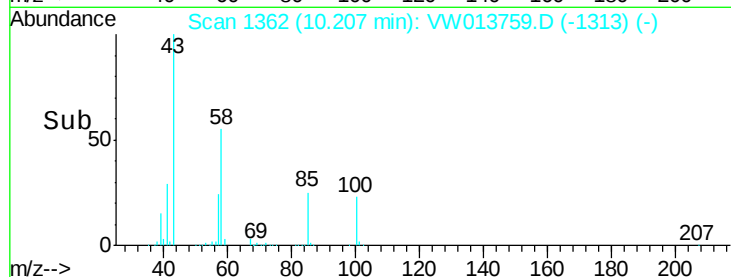
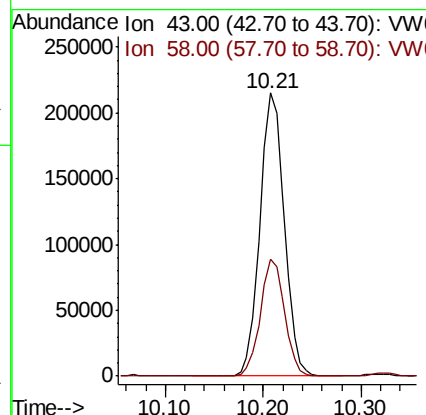
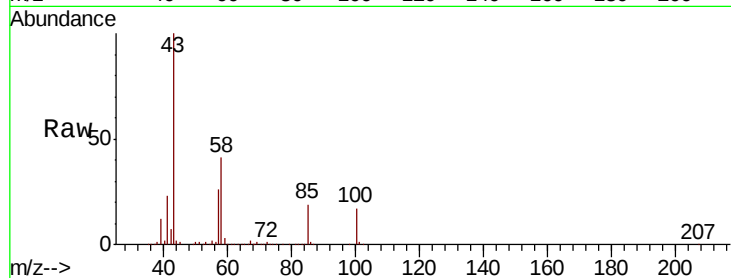




#51
 4-Methyl-2-Pentanone
 Concen: 225.219 ug/l
 RT: 10.21 min Scan# 1362
 Delta R.T. -0.00 min
 Lab File: VW013759.D
 Acq: 28 Oct 2019 11:43

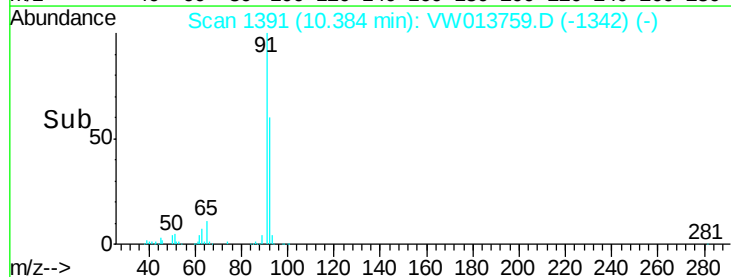
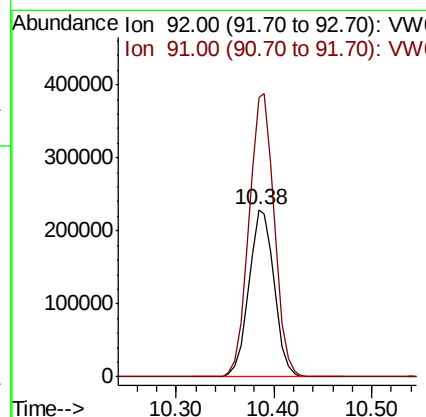
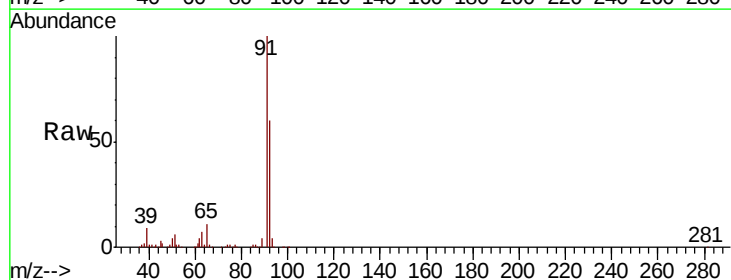
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

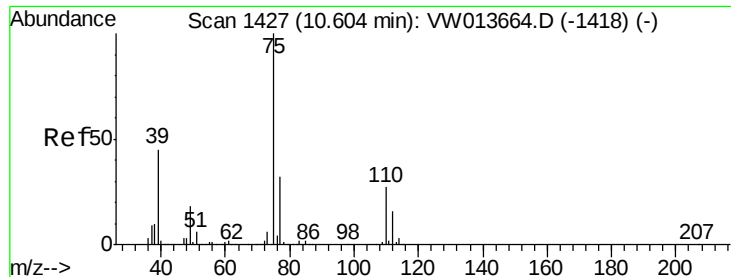
Tot Ion: 43 Resp: 372467
 Ion Ratio Lower Upper
 43 100
 58 40.9 32.6 49.0



#52
 Toluene
 Concen: 49.097 ug/l
 RT: 10.38 min Scan# 1391
 Delta R.T. -0.00 min
 Lab File: VW013759.D
 Acq: 28 Oct 2019 11:43

Tgt Ion: 92 Resp: 407089
 Ion Ratio Lower Upper
 92 100
 91 169.6 134.5 201.7





#53

t-1,3-Dichloropropene

Concen: 49.444 ug/l

RT: 10.60 min Scan# 1427

Delta R.T. -0.00 min

Lab File: VW013759.D

Acq: 28 Oct 2019 11:43

Instrument :

MSVOA_W

ClientSampleId :

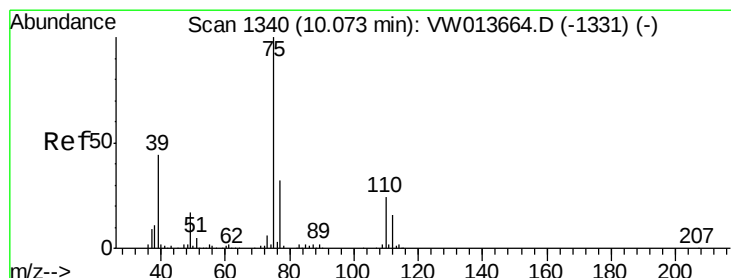
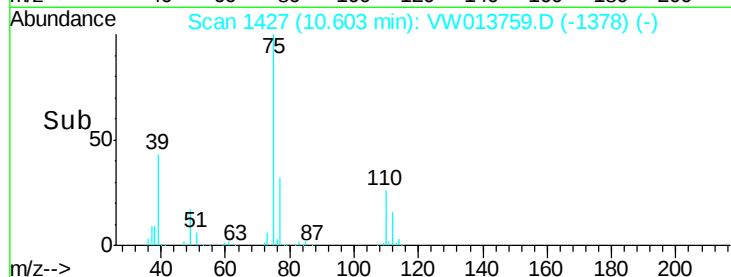
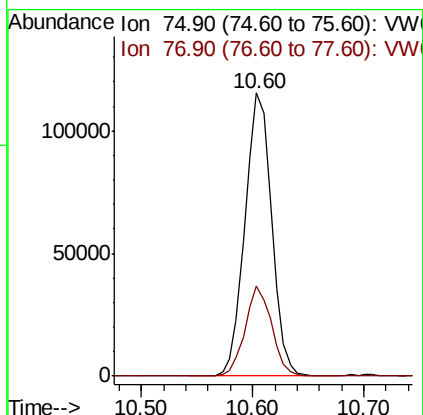
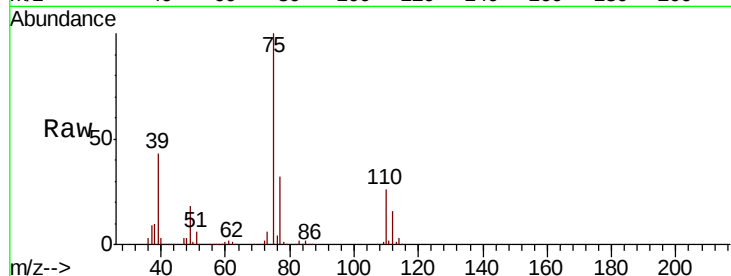
VSTDCCC050

Tot Ion: 75 Resp: 192997

Ion Ratio Lower Upper

75 100

77 31.7 25.5 38.3



#54

cis-1,3-Dichloropropene

Concen: 49.793 ug/l

RT: 10.07 min Scan# 1340

Delta R.T. -0.00 min

Lab File: VW013759.D

Acq: 28 Oct 2019 11:43

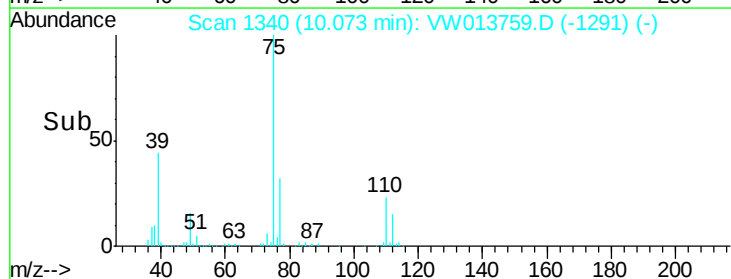
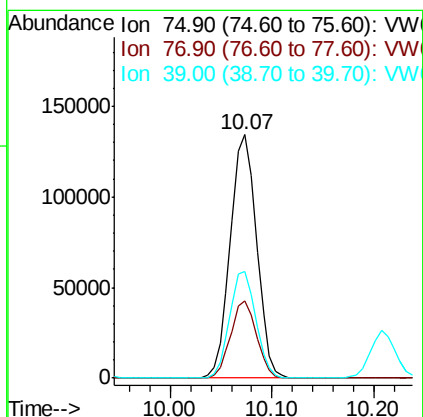
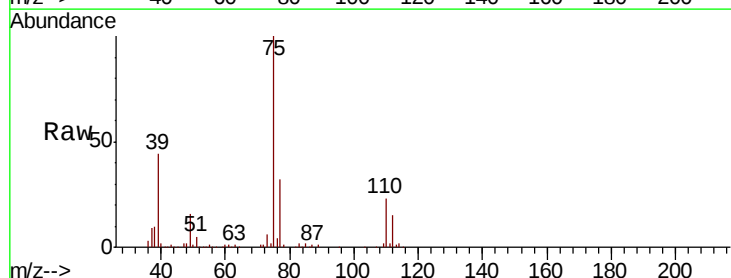
Tgt Ion: 75 Resp: 239794

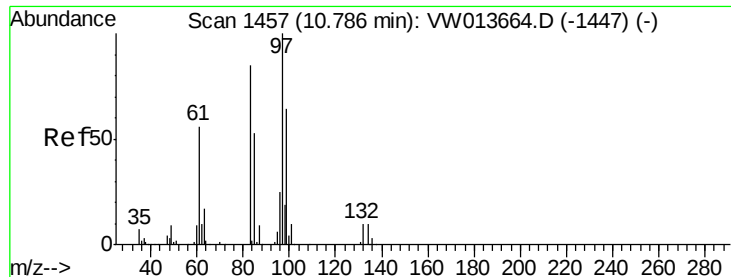
Ion Ratio Lower Upper

75 100

77 32.0 25.8 38.6

39 44.1 35.3 52.9





#55

1,1,2-Trichloroethane

Concen: 46.376 ug/l

RT: 10.79 min Scan# 1457

Delta R.T. -0.00 min

Lab File: VW013759.D

Acq: 28 Oct 2019 11:43

Instrument :

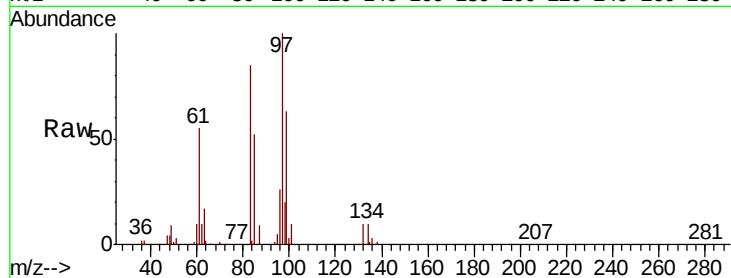
MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 97 Resp: 102995

Ion	Ratio	Lower	Upper
97	100		
83	85.4	67.8	101.8
85	52.4	42.1	63.1
99	63.3	51.4	77.0

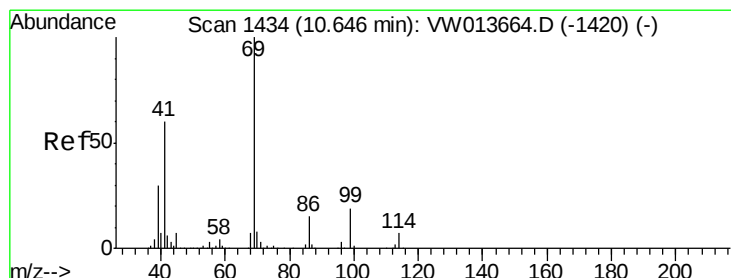
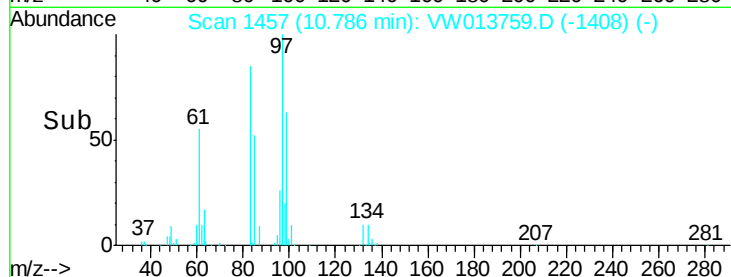


Abundance Ion 96.90 (96.60 to 97.60): VW

Ion 82.90 (82.60 to 83.60): VW

Ion 84.90 (84.60 to 85.60): VW

Ion 98.90 (98.60 to 99.60): VW



#56

Ethyl methacrylate

Concen: 47.899 ug/l

RT: 10.65 min Scan# 1434

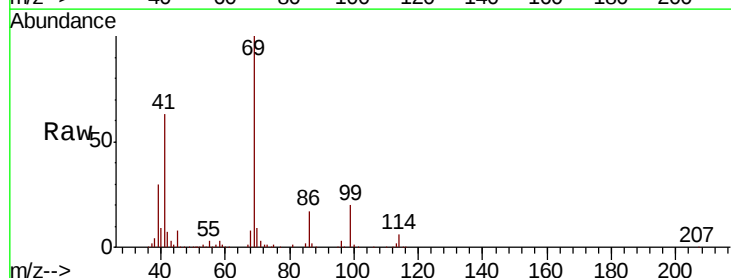
Delta R.T. -0.00 min

Lab File: VW013759.D

Acq: 28 Oct 2019 11:43

Tgt Ion: 69 Resp: 133093

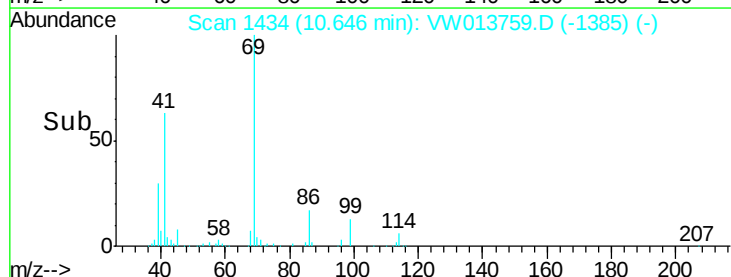
Ion	Ratio	Lower	Upper
69	100		
41	65.0	51.6	77.4
39	28.6	22.4	33.6

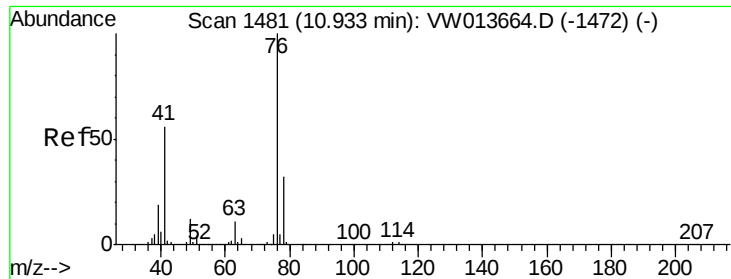


Abundance Ion 69.00 (68.70 to 69.70): VW

Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW

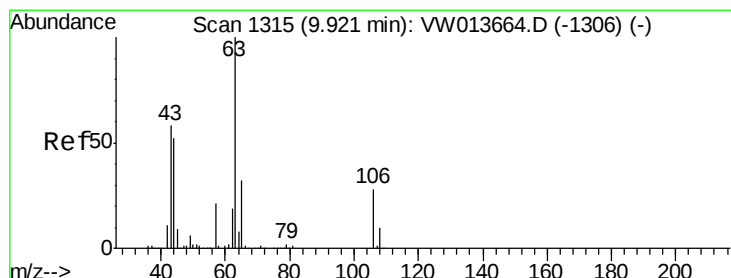
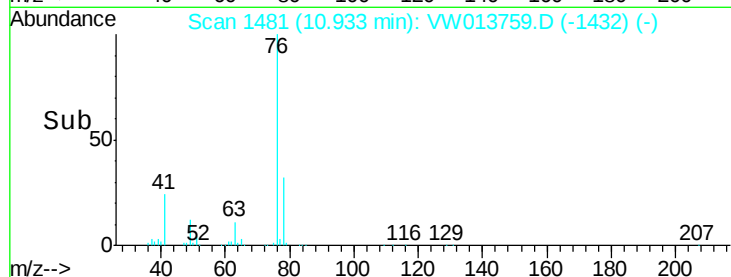
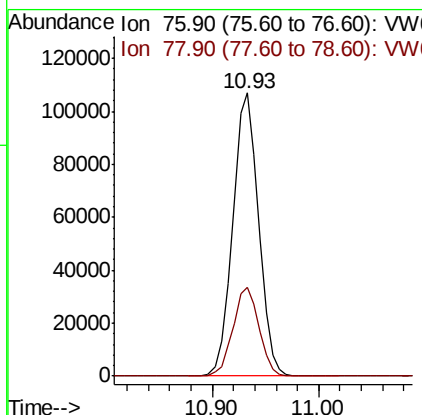
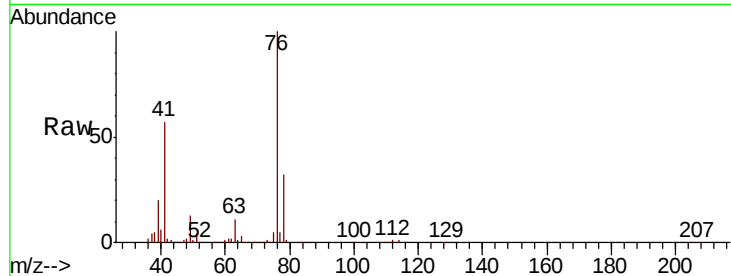




#57
 1,3-Dichloropropane
 Concen: 47.616 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. -0.00 min
 Lab File: VW013759.D
 Acq: 28 Oct 2019 11:43

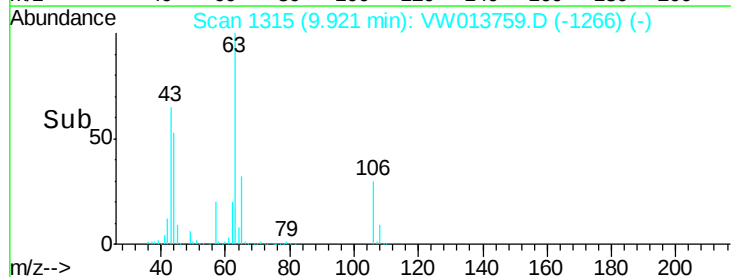
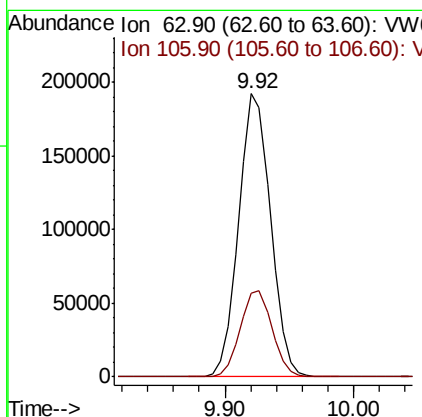
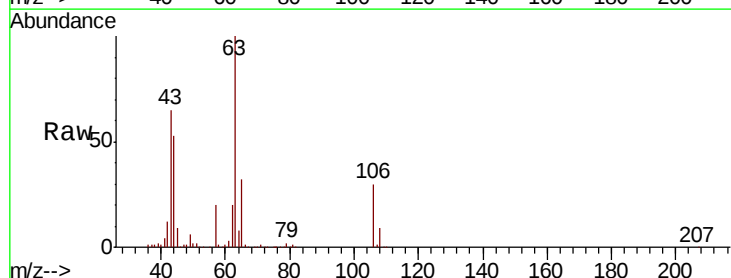
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

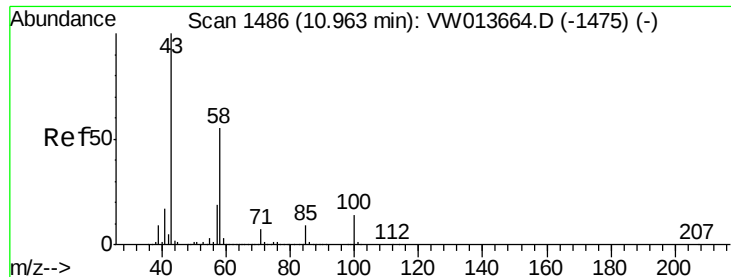
Tot Ion: 76 Resp: 181473
 Ion Ratio Lower Upper
 76 100
 78 32.1 26.0 39.0



#58
 2-Chloroethyl Vinyl ether
 Concen: 257.648 ug/l
 RT: 9.92 min Scan# 1315
 Delta R.T. -0.00 min
 Lab File: VW013759.D
 Acq: 28 Oct 2019 11:43

Tgt Ion: 63 Resp: 329485
 Ion Ratio Lower Upper
 63 100
 106 30.6 23.8 35.8

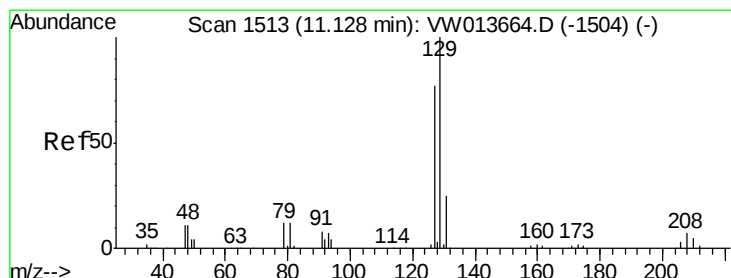
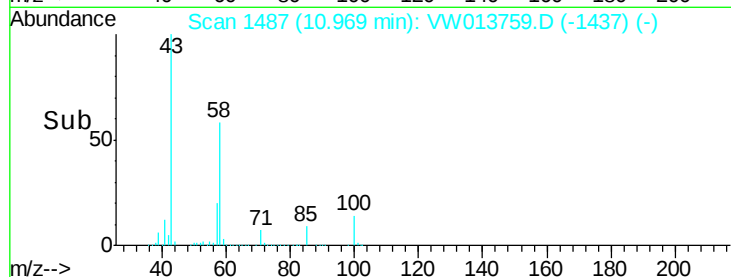
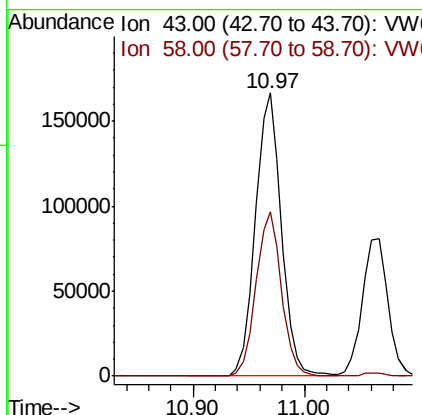
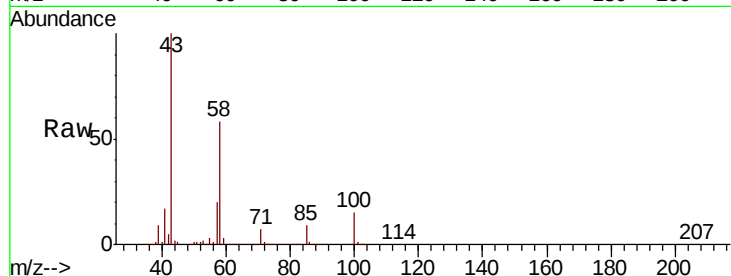




#59
2-Hexanone
Concen: 237.776 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. 0.01 min
Lab File: VW013759.D
Acq: 28 Oct 2019 11:43

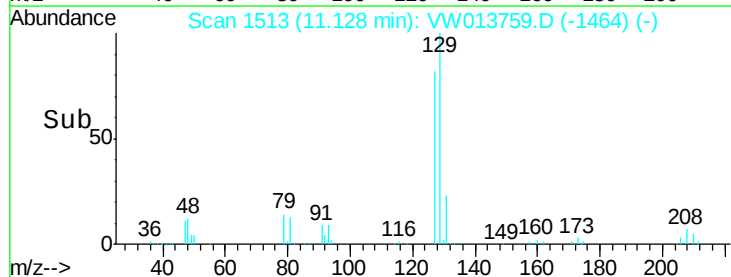
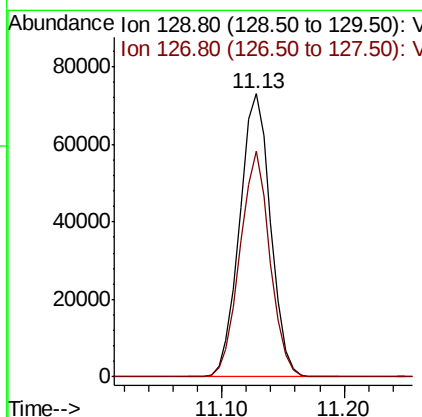
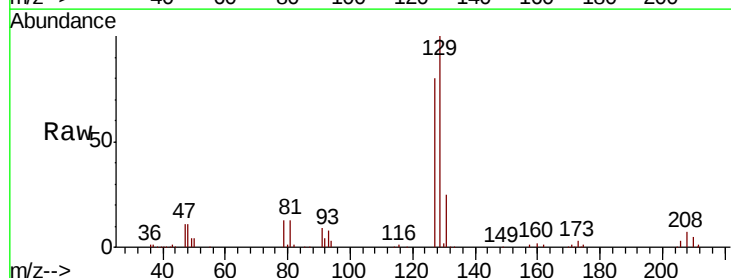
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

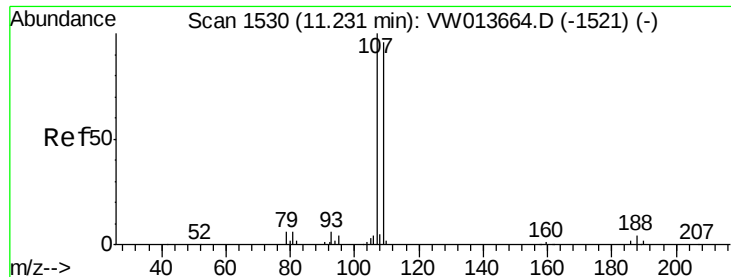
Tot Ion: 43 Resp: 271094
Ion Ratio Lower Upper
43 100
58 56.6 27.9 83.7



#60
Dibromochloromethane
Concen: 48.593 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW013759.D
Acq: 28 Oct 2019 11:43

Tgt Ion: 129 Resp: 128133
Ion Ratio Lower Upper
129 100
127 76.9 38.9 116.7

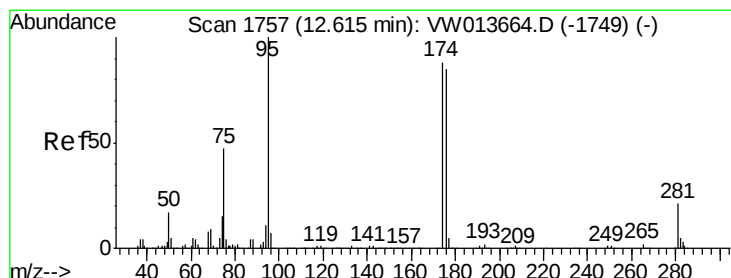
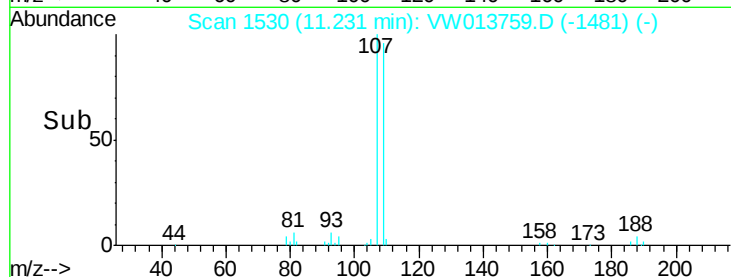
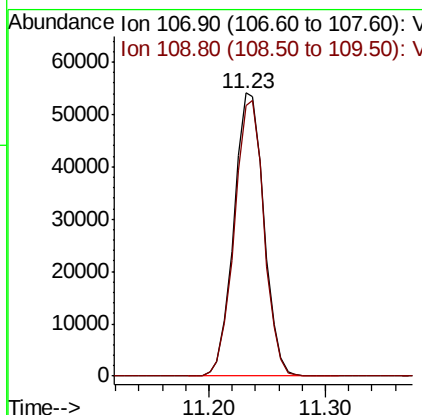
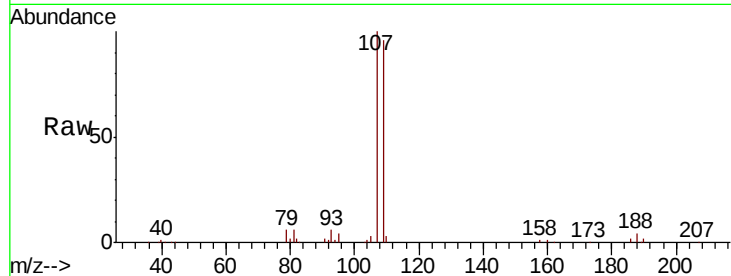




#61
 1,2-Dibromoethane
 Concen: 46.315 ug/l
 RT: 11.23 min Scan# 1530
 Delta R.T. -0.00 min
 Lab File: VW013759.D
 Acq: 28 Oct 2019 11:43

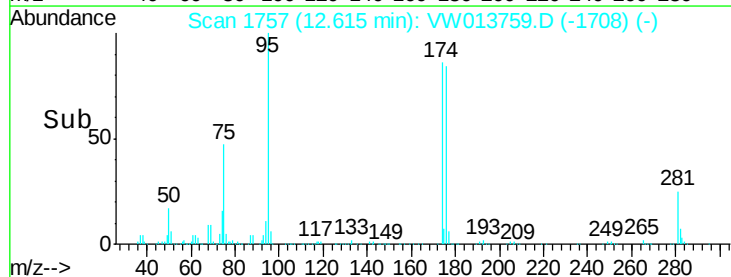
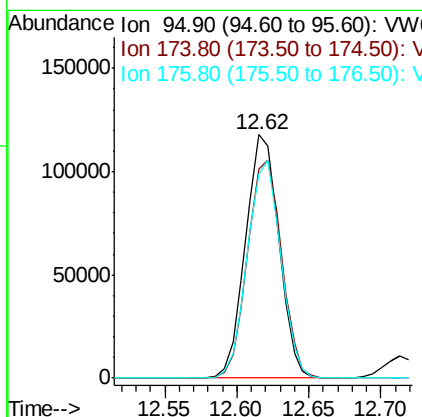
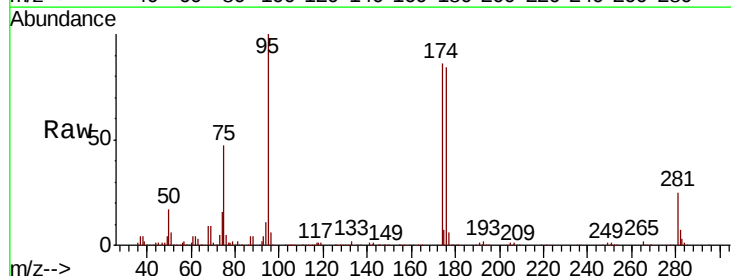
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

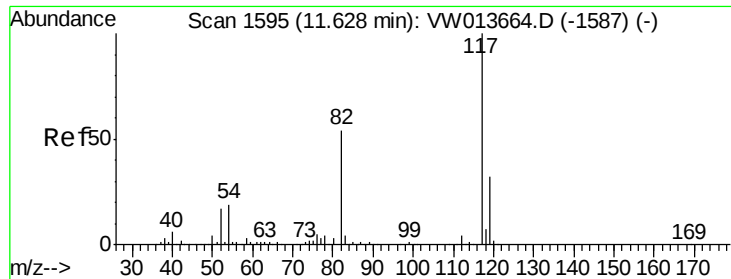
Tot Ion:107 Resp: 97313
 Ion Ratio Lower Upper
 107 100
 109 95.9 75.7 113.5



#62
 4-Bromofluorobenzene
 Concen: 50.569 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. -0.00 min
 Lab File: VW013759.D
 Acq: 28 Oct 2019 11:43

Tgt Ion: 95 Resp: 189077
 Ion Ratio Lower Upper
 95 100
 174 91.2 0.0 183.6
 176 89.3 0.0 178.0

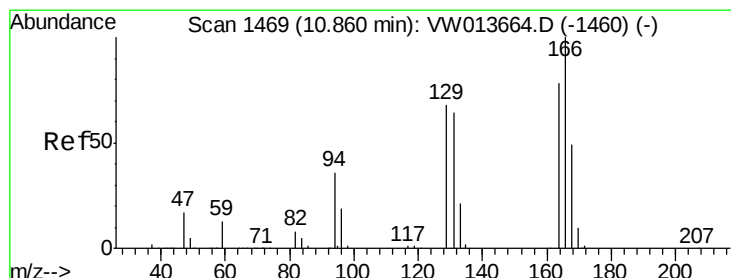
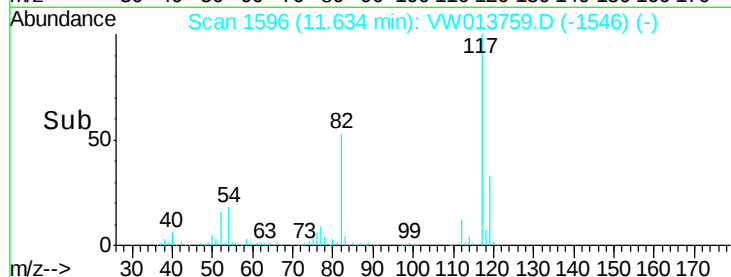
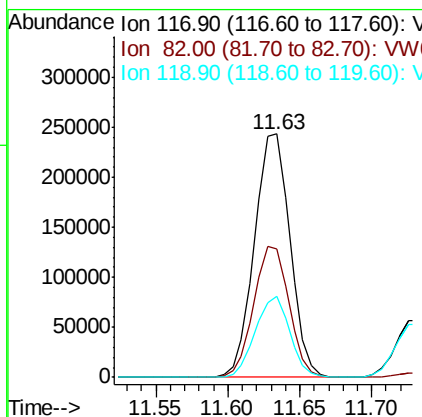
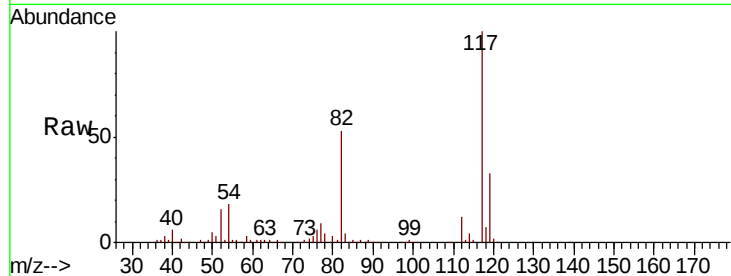




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.01 min
Lab File: VW013759.D
Acq: 28 Oct 2019 11:43

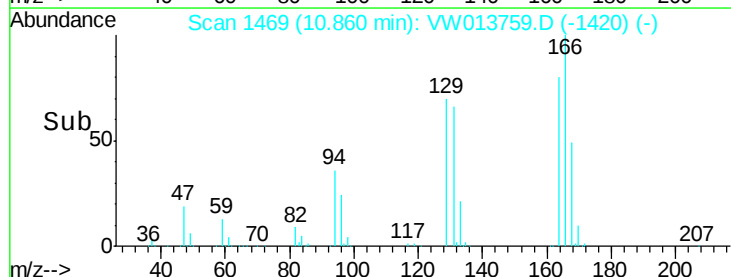
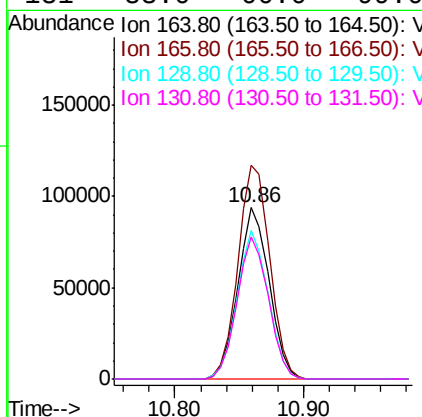
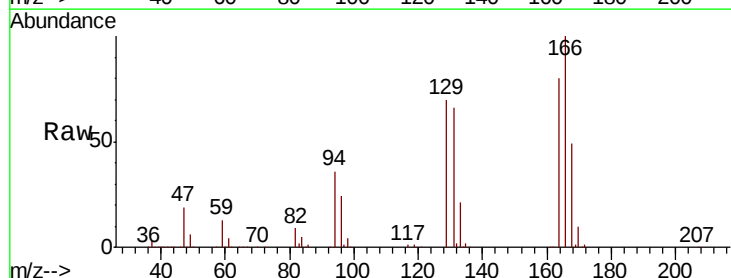
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

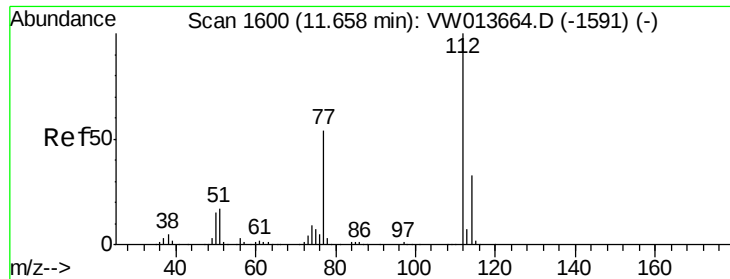
Tot Ion:117 Resp: 415639
Ion Ratio Lower Upper
117 100
82 52.5 43.6 65.4
119 33.5 25.4 38.2



#64
Tetrachloroethene
Concen: 49.562 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VW013759.D
Acq: 28 Oct 2019 11:43

Tgt Ion:164 Resp: 157390
Ion Ratio Lower Upper
164 100
166 125.0 103.2 154.8
129 87.0 70.6 105.8
131 83.0 66.0 99.0

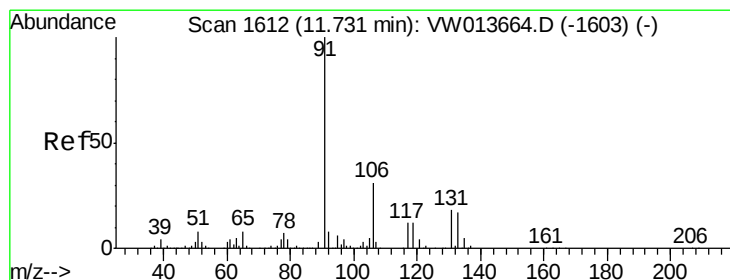
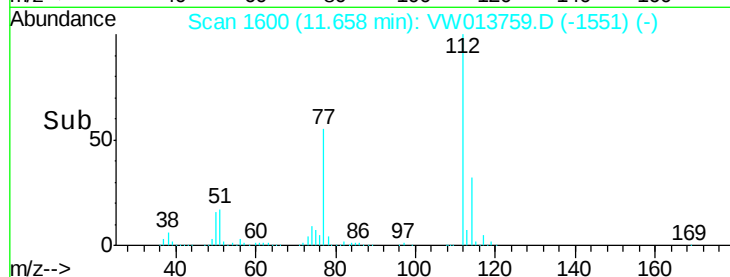
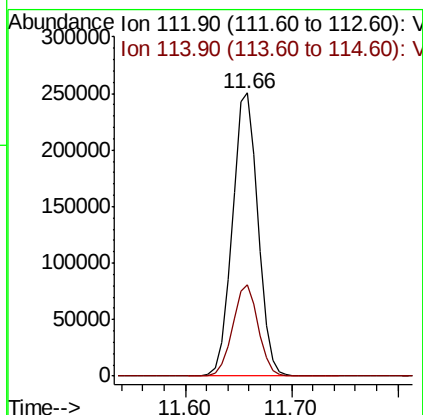
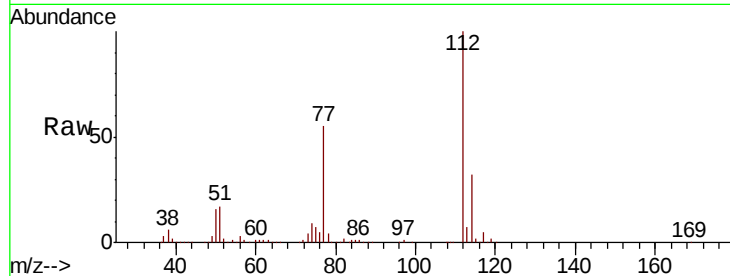




#65
Chlorobenzene
Concen: 49.349 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VW013759.D
Acq: 28 Oct 2019 11:43

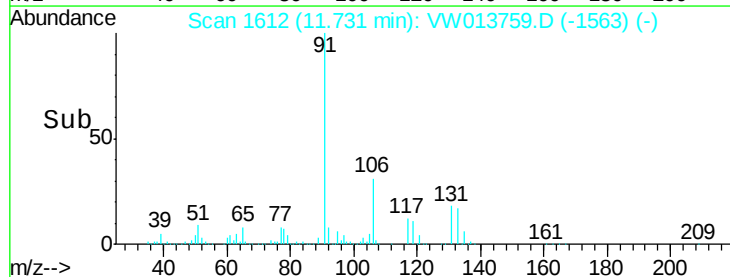
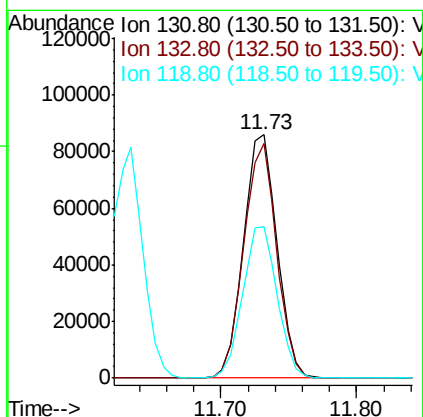
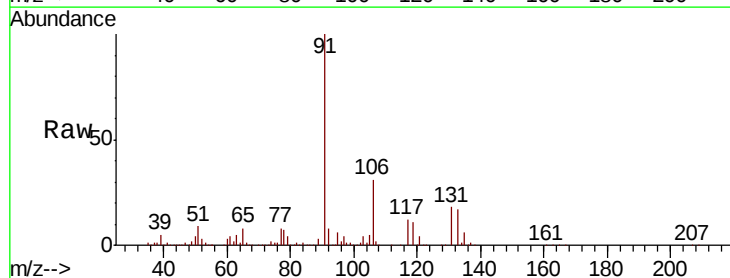
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

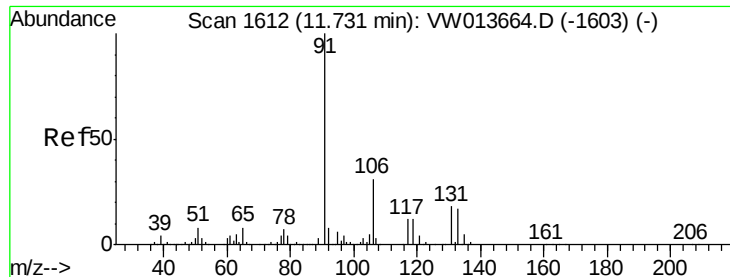
Tot Ion:112 Resp: 421496
Ion Ratio Lower Upper
112 100
114 32.5 26.2 39.4



#66
1,1,1,2-Tetrachloroethane
Concen: 49.915 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW013759.D
Acq: 28 Oct 2019 11:43

Tgt Ion:131 Resp: 148787
Ion Ratio Lower Upper
131 100
133 94.5 47.4 142.3
119 63.7 33.1 99.2





#67

Ethyl Benzene

Concen: 50.246 ug/l

RT: 11.73 min Scan# 1612

Delta R.T. -0.00 min

Lab File: VW013759.D

Acq: 28 Oct 2019 11:43

Instrument :

MSVOA_W

ClientSampleId :

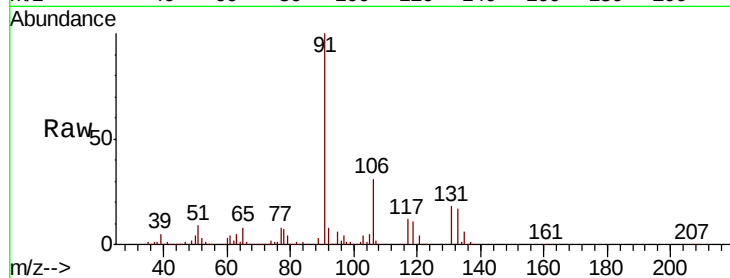
VSTDCCC050

Tot Ion: 91 Resp: 773834

Ion Ratio Lower Upper

91 100

106 31.4 25.0 37.6



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 106.00 (105.70 to 106.70): V

11.73

500000

400000

300000

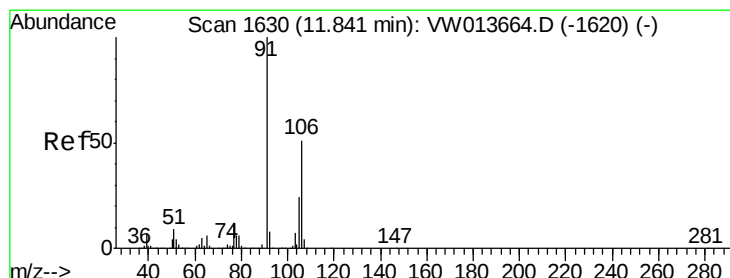
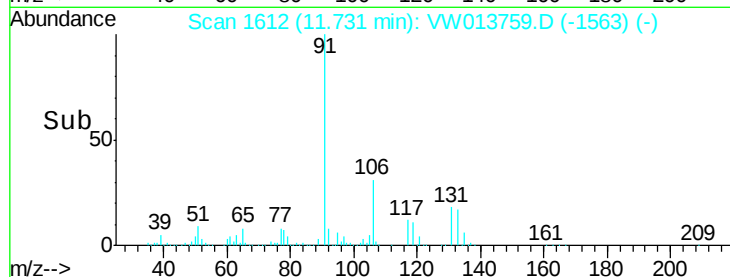
200000

100000

0

Time-->

11.65 11.70 11.75 11.80



#68

m/p-Xylenes

Concen: 99.681 ug/l

RT: 11.84 min Scan# 1630

Delta R.T. -0.00 min

Lab File: VW013759.D

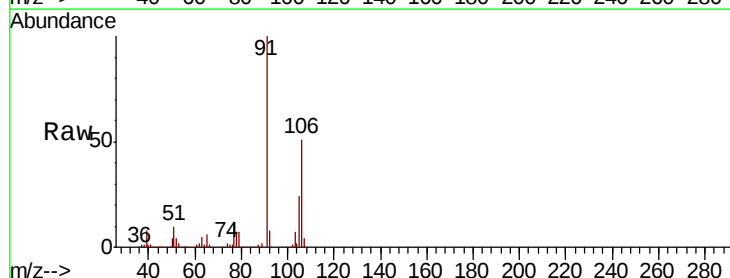
Acq: 28 Oct 2019 11:43

Tgt Ion: 106 Resp: 593124

Ion Ratio Lower Upper

106 100

91 197.9 159.2 238.8



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW

11.84

600000

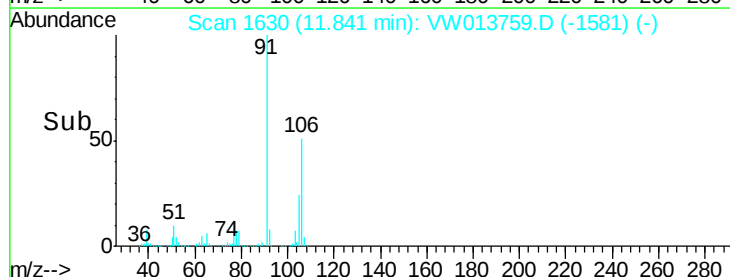
400000

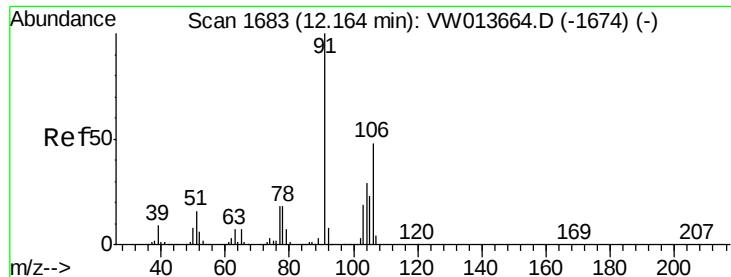
200000

0

Time-->

11.80 11.85 11.90

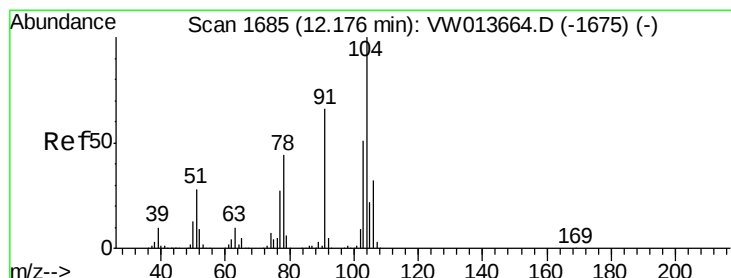
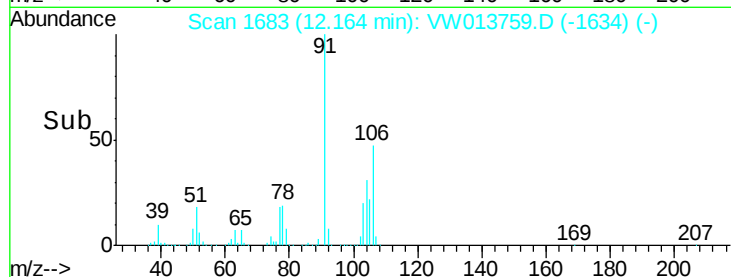
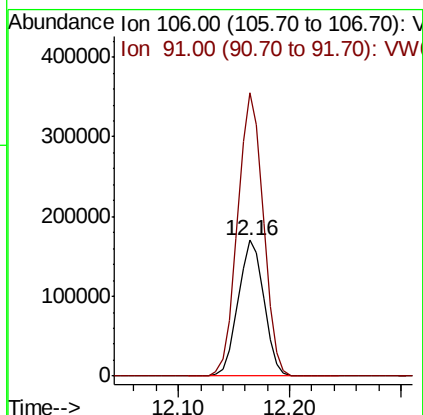
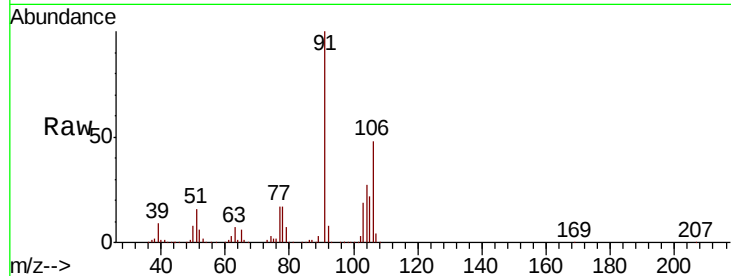




#69
o-Xylene
Concen: 50.040 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. -0.00 min
Lab File: VW013759.D
Acq: 28 Oct 2019 11:43

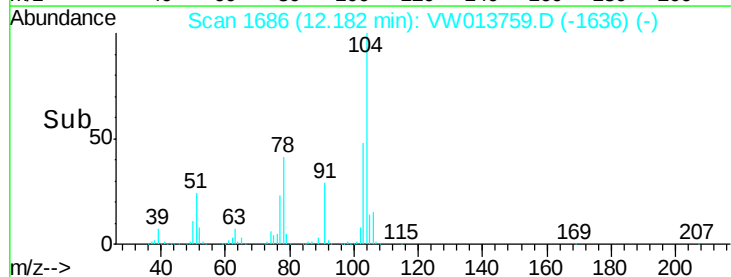
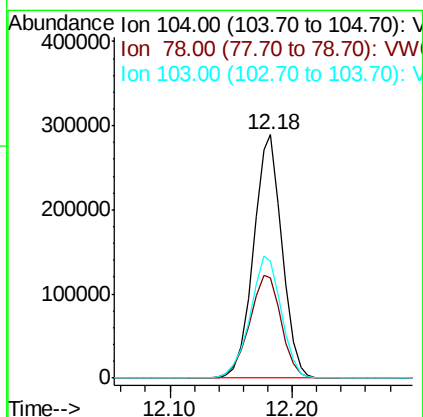
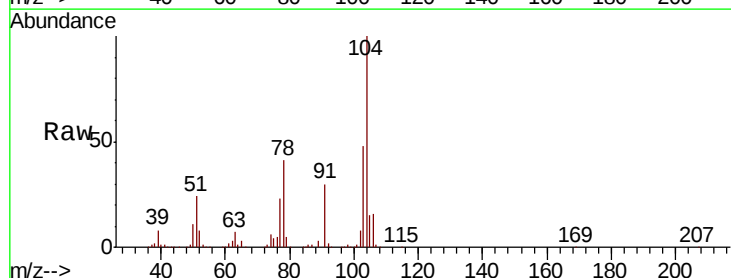
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

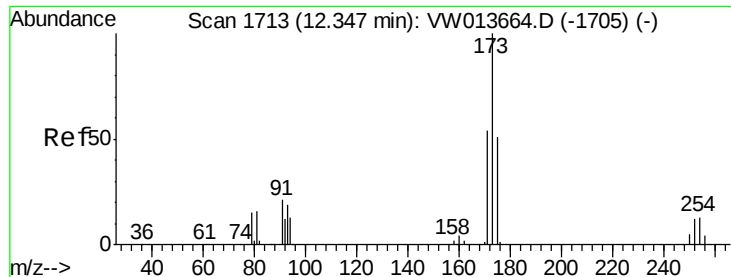
Tot Ion:106 Resp: 273684
Ion Ratio Lower Upper
106 100
91 207.6 104.9 314.7



#70
Styrene
Concen: 49.814 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. 0.01 min
Lab File: VW013759.D
Acq: 28 Oct 2019 11:43

Tgt Ion:104 Resp: 468103
Ion Ratio Lower Upper
104 100
78 47.4 37.1 55.7
103 54.5 43.6 65.4





#71

Bromoform

Concen: 47.991 ug/l

RT: 12.35 min Scan# 1713

Delta R.T. -0.00 min

Lab File: VW013759.D

Acq: 28 Oct 2019 11:43

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

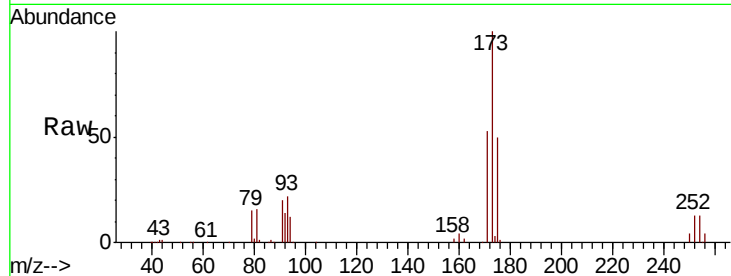
Tot Ion:173 Resp: 75072

Ion Ratio Lower Upper

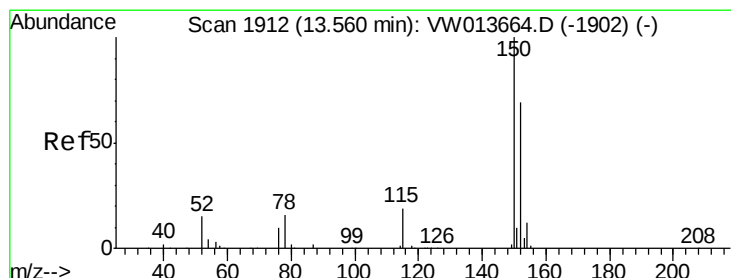
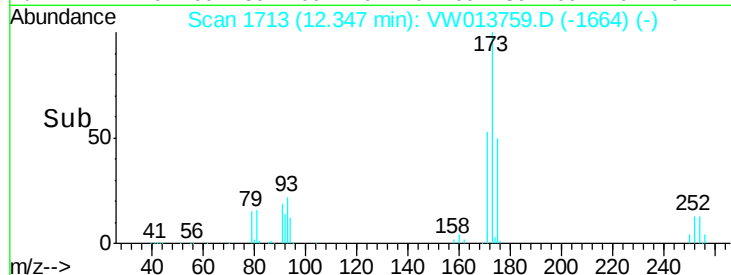
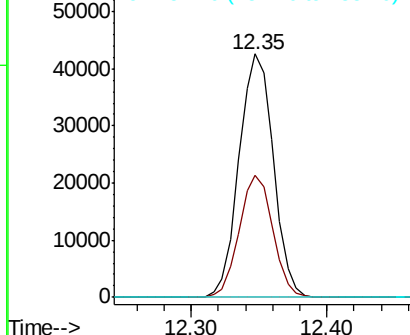
173 100

175 49.0 25.2 75.6

254 0.2 0.1 0.1#



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: 13.56 min Scan# 1912

Delta R.T. -0.00 min

Lab File: VW013759.D

Acq: 28 Oct 2019 11:43

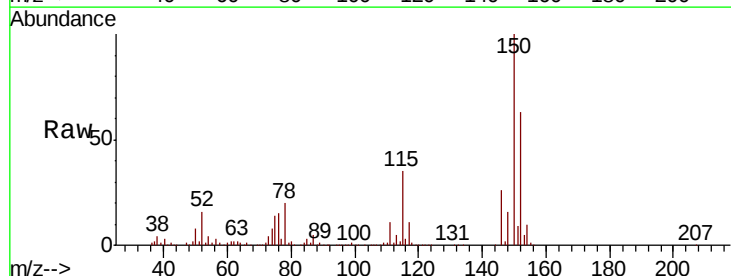
Tgt Ion:152 Resp: 214349

Ion Ratio Lower Upper

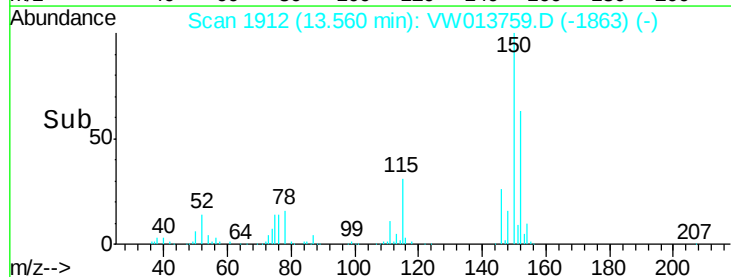
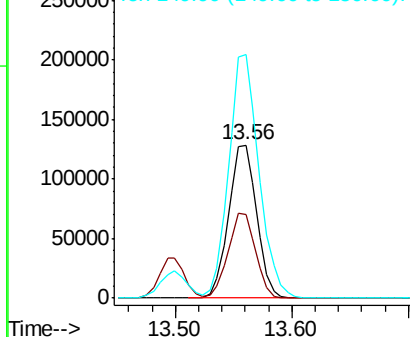
152 100

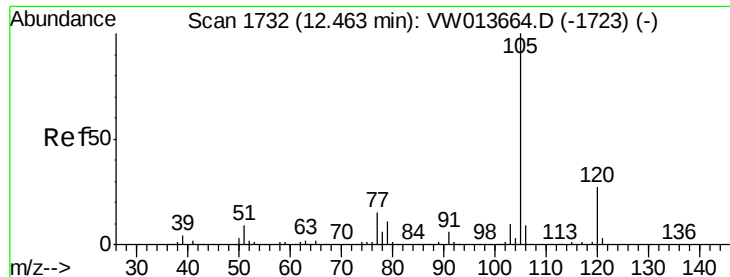
115 54.2 27.4 82.2

150 171.6 0.0 345.4



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





#73

Isopropylbenzene

Concen: 49.988 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. -0.00 min

Lab File: VW013759.D

Acq: 28 Oct 2019 11:43

Instrument :

MSVOA_W

ClientSampleId :

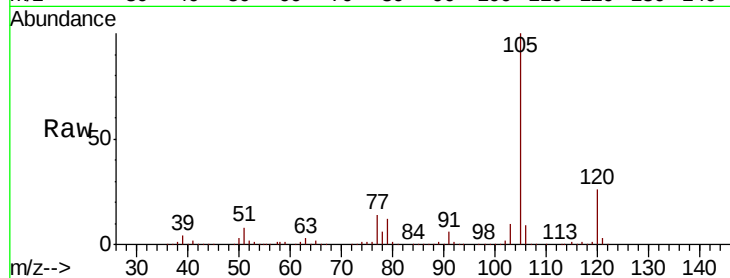
VSTDCCC050

Tot Ion:105 Resp: 769480

Ion Ratio Lower Upper

105 100

120 26.2 13.5 40.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.46

500000

400000

300000

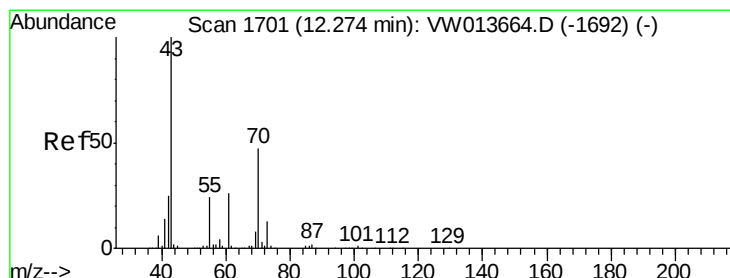
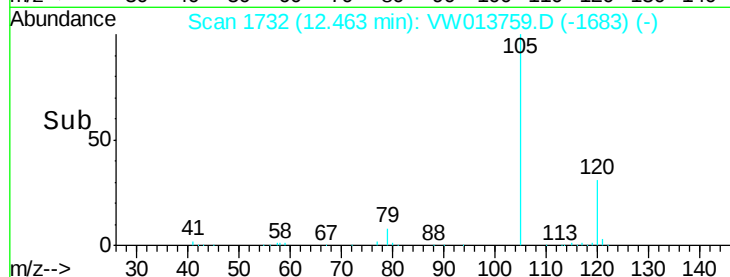
200000

100000

0

Time-->

12.40 12.50



#74

N-ethyl acetate

Concen: 47.153 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. -0.00 min

Lab File: VW013759.D

Acq: 28 Oct 2019 11:43

Tgt Ion: 43 Resp: 140407

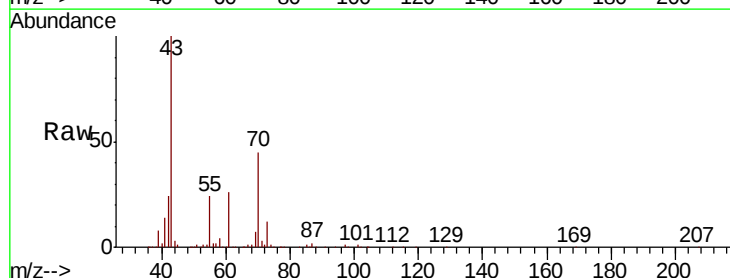
Ion Ratio Lower Upper

43 100

70 45.8 36.6 55.0

55 25.4 20.3 30.5

61 25.9 20.4 30.6



Abundance Ion 43.00 (42.70 to 43.70): VV

Ion 70.00 (69.70 to 70.70): VV

Ion 55.00 (54.70 to 55.70): VV

Ion 61.00 (60.70 to 61.70): VV

150000

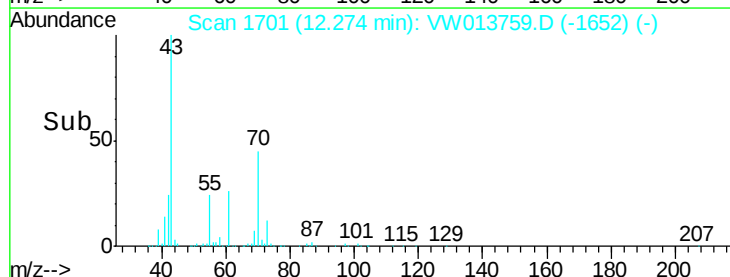
100000

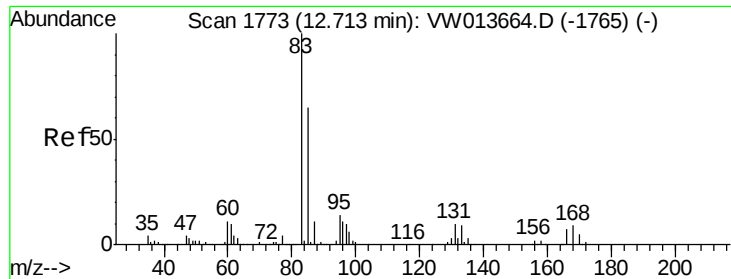
50000

0

Time-->

12.20 12.30





#75

1,1,2,2-Tetrachloroethane

Concen: 45.310 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. -0.00 min

Lab File: VW013759.D

Acq: 28 Oct 2019 11:43

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

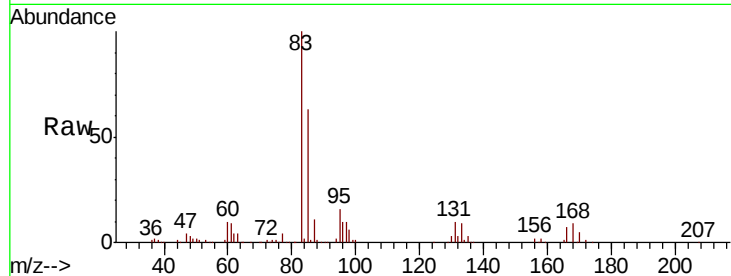
Tot Ion: 83 Resp: 110062

Ion Ratio Lower Upper

83 100

131 11.3 5.7 17.1

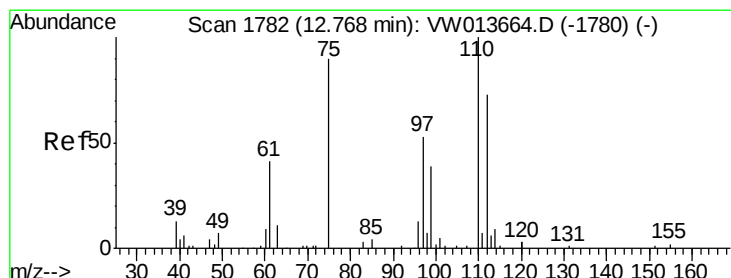
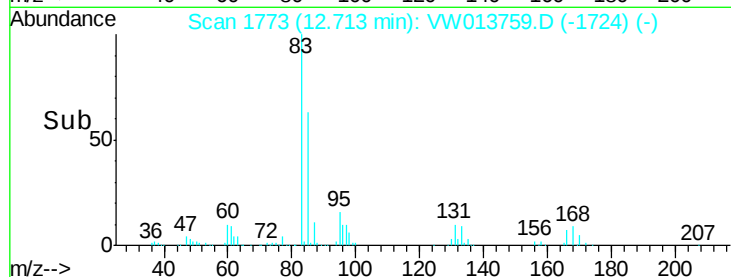
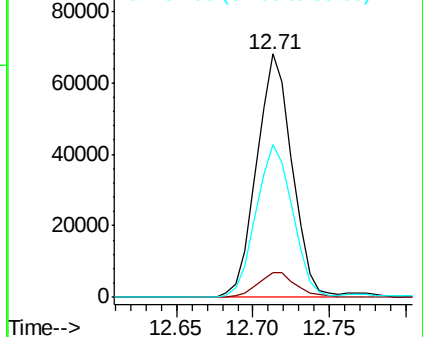
85 64.5 32.5 97.4



Abundance Ion 82.90 (82.60 to 83.60): VW

Ion 130.80 (130.50 to 131.50): VW

Ion 84.90 (84.60 to 85.60): VW



#76

1,2,3-Trichloropropane

Concen: 92.450 ug/l

RT: 12.77 min Scan# 1782

Delta R.T. -0.00 min

Lab File: VW013759.D

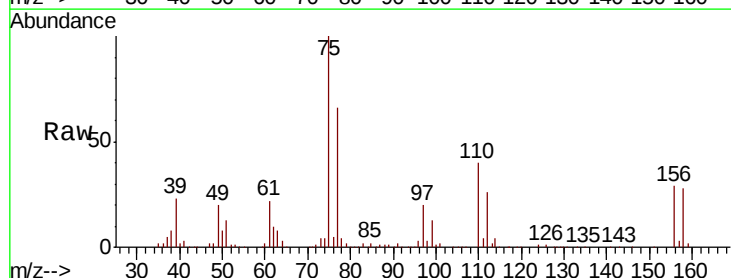
Acq: 28 Oct 2019 11:43

Tgt Ion: 75 Resp: 142311

Ion Ratio Lower Upper

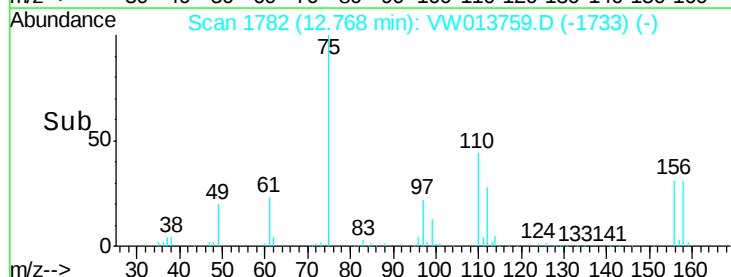
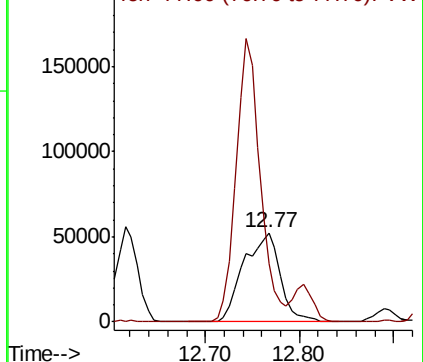
75 100

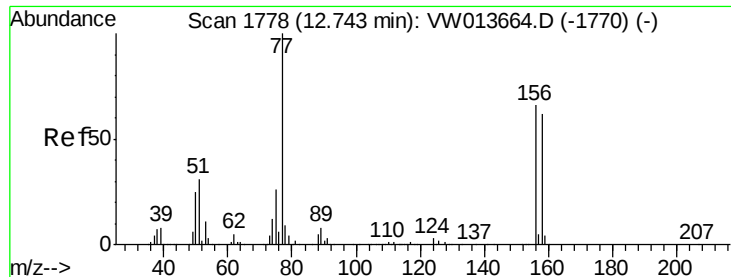
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW





#77

Bromobenzene

Concen: 47.881 ug/l

RT: 12.74 min Scan# 1778

Delta R.T. -0.00 min

Lab File: VW013759.D

Acq: 28 Oct 2019 11:43

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

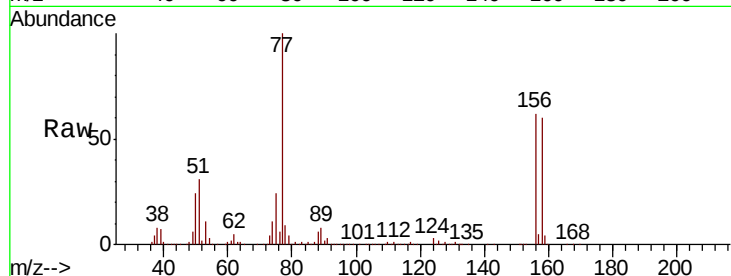
Tot Ion:156 Resp: 176068

Ion Ratio Lower Upper

156 100

77 169.2 82.9 248.7

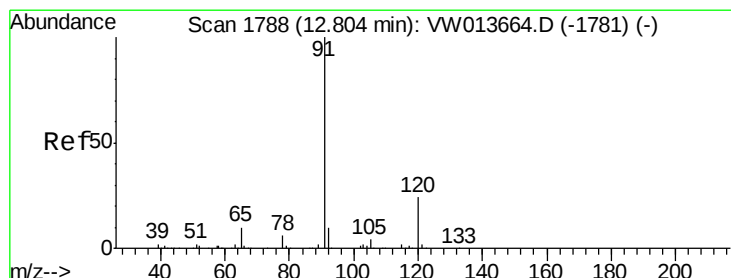
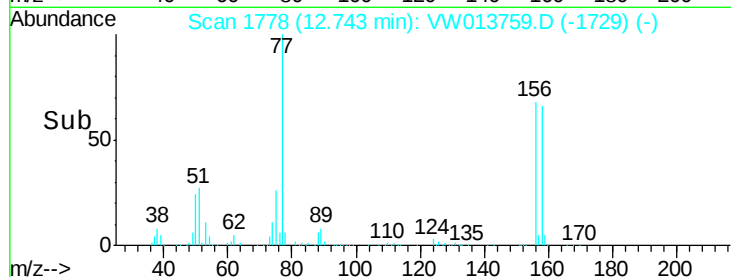
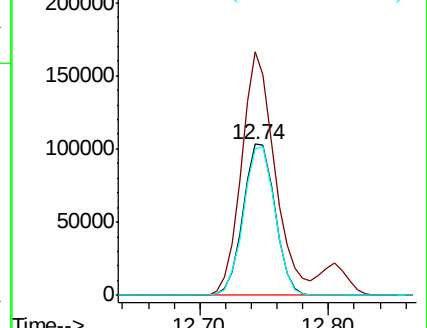
158 97.3 48.4 145.2



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VW

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 50.032 ug/l

RT: 12.80 min Scan# 1788

Delta R.T. -0.00 min

Lab File: VW013759.D

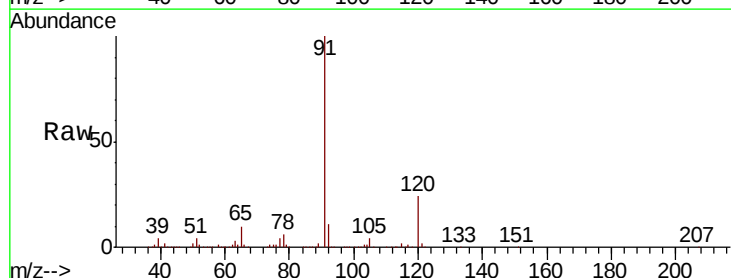
Acq: 28 Oct 2019 11:43

Tgt Ion: 91 Resp: 891402

Ion Ratio Lower Upper

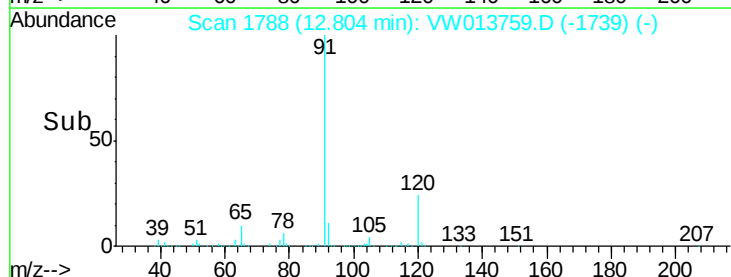
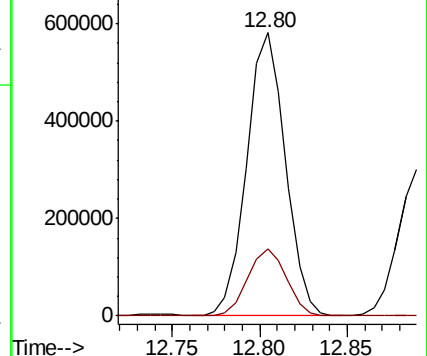
91 100

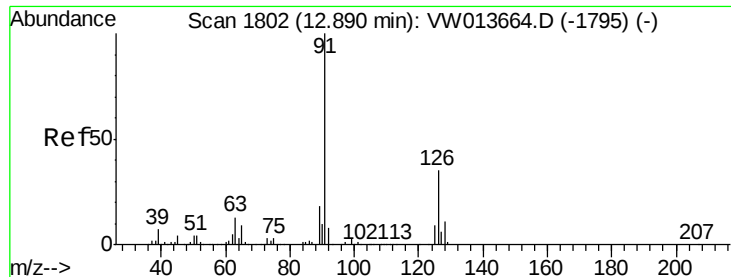
120 23.8 12.0 36.0



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 49.160 ug/l

RT: 12.89 min Scan# 1802

Delta R.T. -0.00 min

Lab File: VW013759.D

Acq: 28 Oct 2019 11:43

Instrument :

MSVOA_W

ClientSampleId :

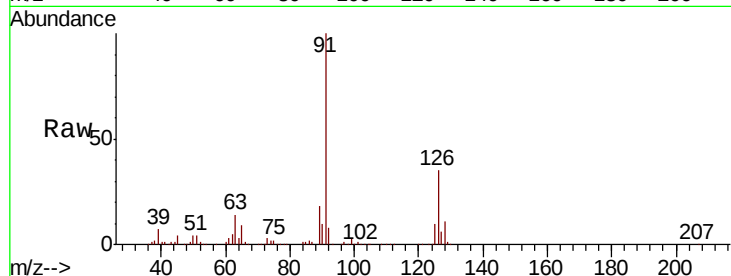
VSTDCCC050

Tot Ion: 91 Resp: 492207

Ion Ratio Lower Upper

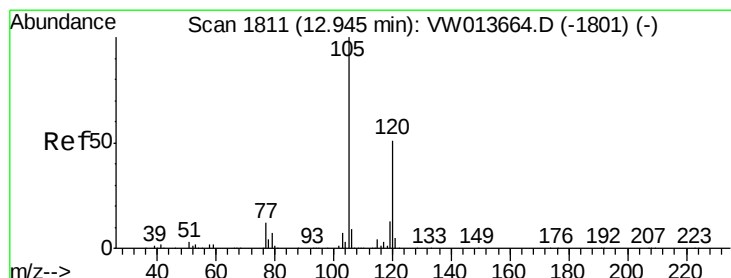
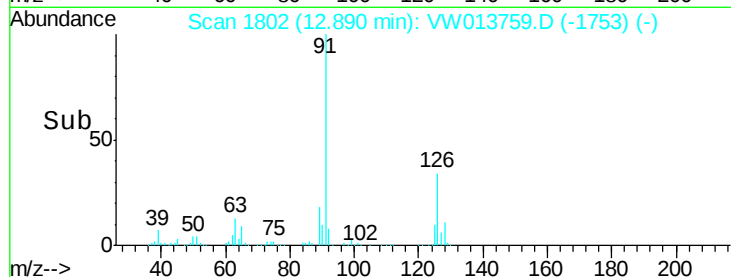
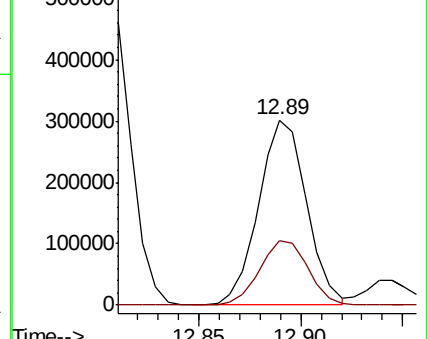
91 100

126 35.2 17.4 52.2



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 49.720 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. -0.00 min

Lab File: VW013759.D

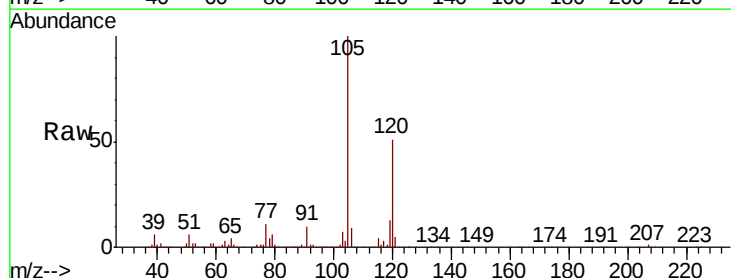
Acq: 28 Oct 2019 11:43

Tgt Ion:105 Resp: 646075

Ion Ratio Lower Upper

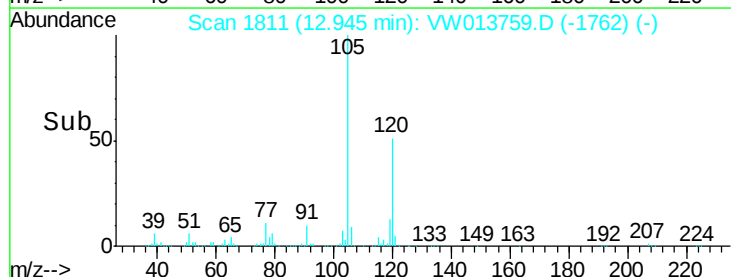
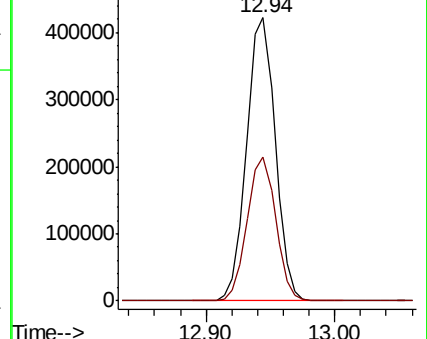
105 100

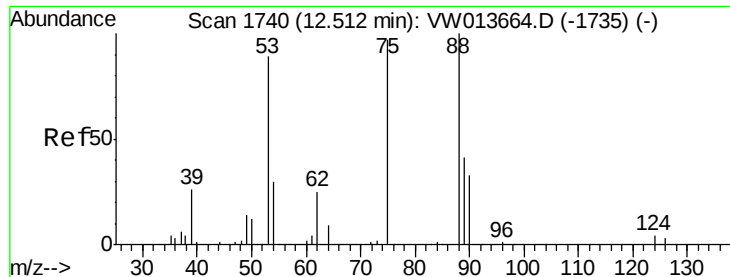
120 50.8 25.1 75.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 46.515 ug/l

RT: 12.51 min Scan# 1740

Delta R.T. -0.00 min

Lab File: VW013759.D

Acq: 28 Oct 2019 11:43

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

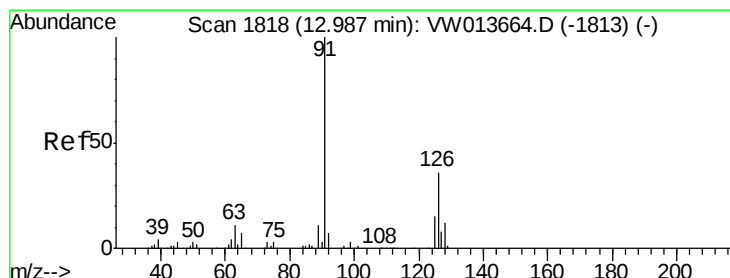
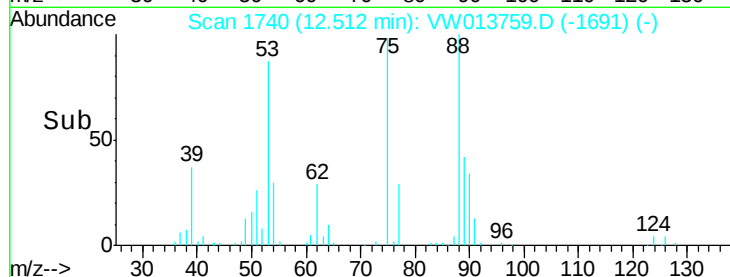
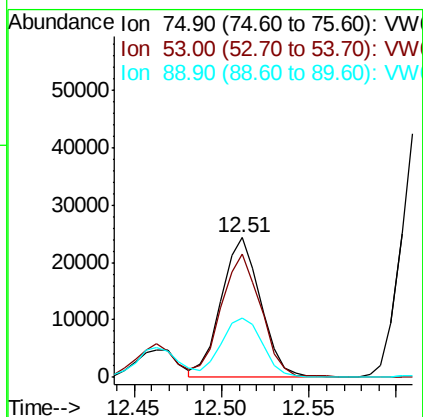
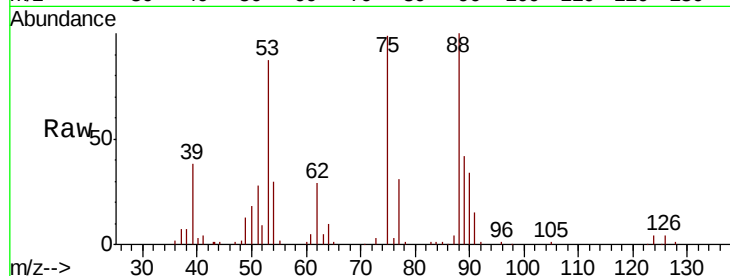
Tot Ion: 75 Resp: 37887

Ion Ratio Lower Upper

75 100

53 90.0 71.7 107.5

89 44.6 35.8 53.8



#82

4-Chlorotoluene

Concen: 49.119 ug/l

RT: 12.99 min Scan# 1818

Delta R.T. -0.00 min

Lab File: VW013759.D

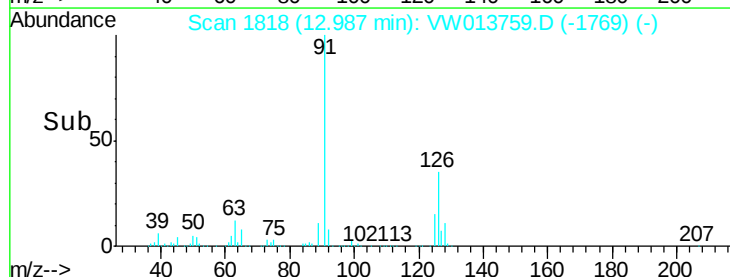
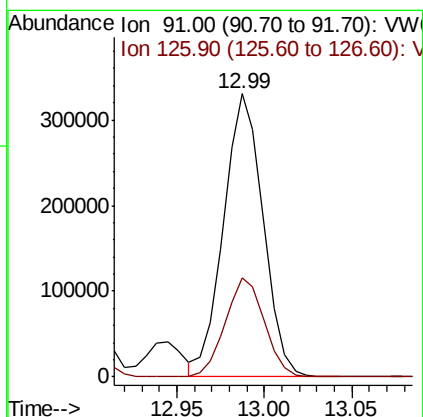
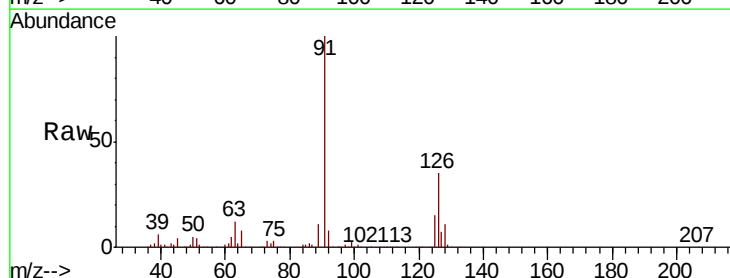
Acq: 28 Oct 2019 11:43

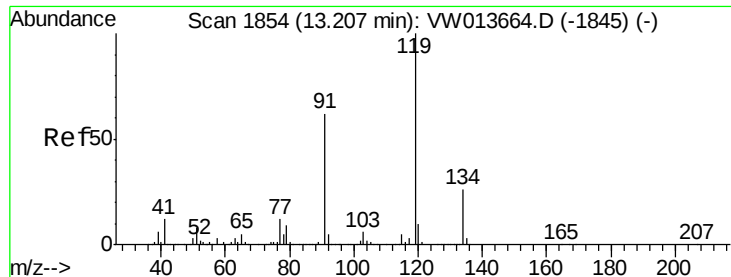
Tgt Ion: 91 Resp: 516304

Ion Ratio Lower Upper

91 100

126 34.8 17.2 51.5

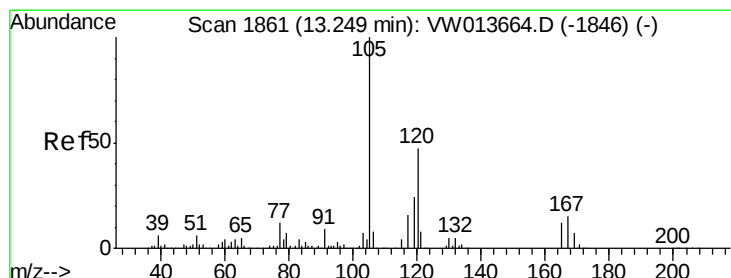
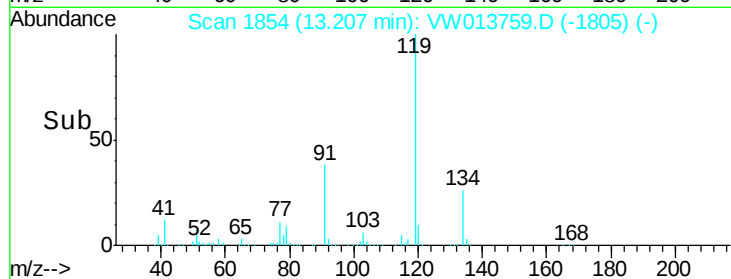
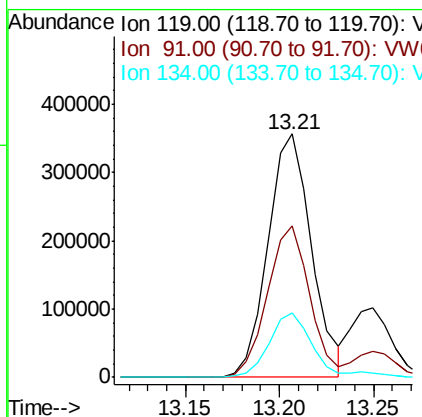
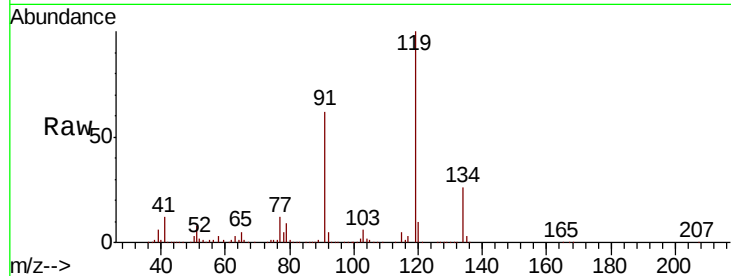




#83
tert-Butylbenzene
Concen: 49.650 ug/l
RT: 13.21 min Scan# 1854
Delta R.T. -0.00 min
Lab File: VW013759.D
Acq: 28 Oct 2019 11:43

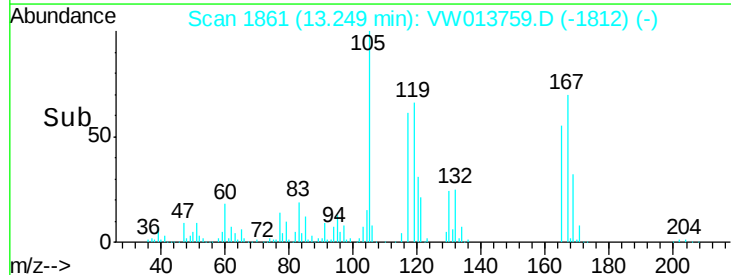
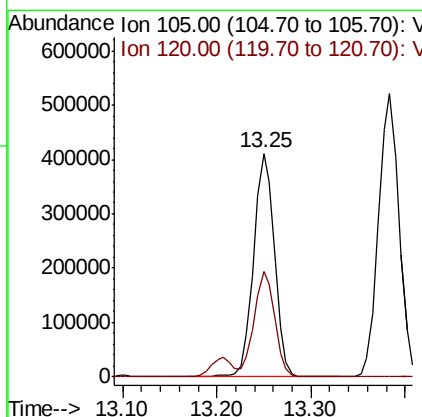
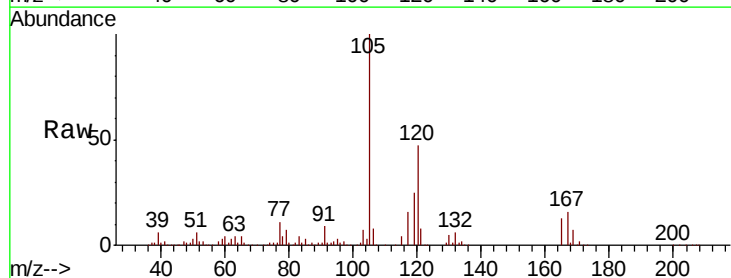
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

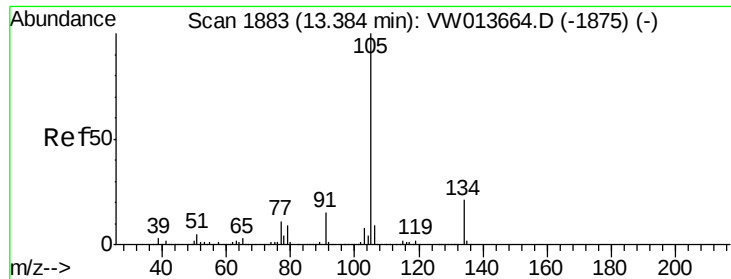
Tot Ion:119 Resp: 572680
Ion Ratio Lower Upper
119 100
91 60.3 30.4 91.3
134 27.1 13.6 40.8



#84
1,2,4-Trimethylbenzene
Concen: 49.549 ug/l
RT: 13.25 min Scan# 1861
Delta R.T. -0.00 min
Lab File: VW013759.D
Acq: 28 Oct 2019 11:43

Tgt Ion:105 Resp: 635125
Ion Ratio Lower Upper
105 100
120 46.0 23.5 70.5





#85

sec-Butylbenzene

Concen: 50.013 ug/l

RT: 13.38 min Scan# 1883

Delta R.T. -0.00 min

Lab File: VW013759.D

Acq: 28 Oct 2019 11:43

Instrument :

MSVOA_W

ClientSampled :

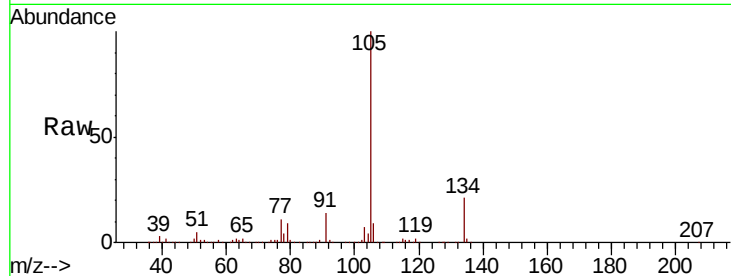
VSTDCCC050

Tot Ion:105 Resp: 788843

Ion Ratio Lower Upper

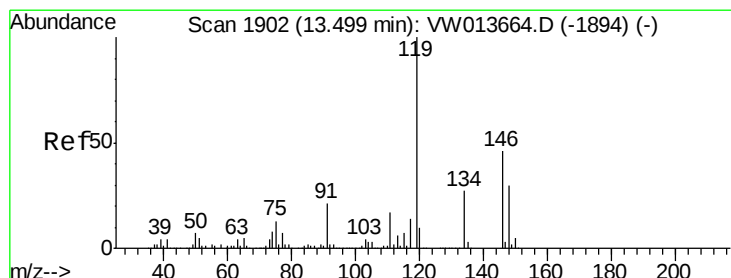
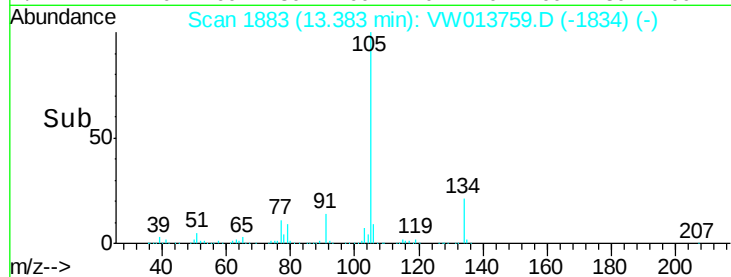
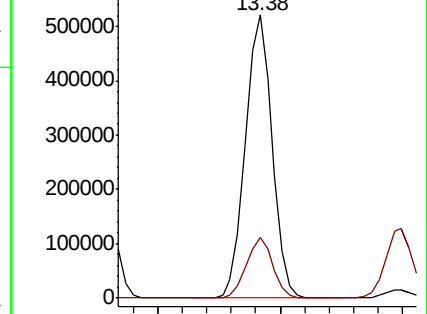
105 100

134 21.0 10.5 31.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 50.369 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. -0.00 min

Lab File: VW013759.D

Acq: 28 Oct 2019 11:43

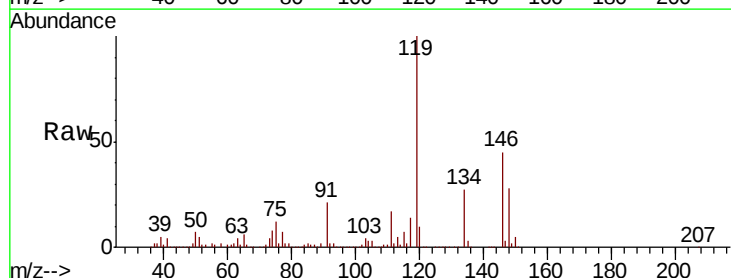
Tgt Ion:119 Resp: 740053

Ion Ratio Lower Upper

119 100

134 26.4 13.4 40.1

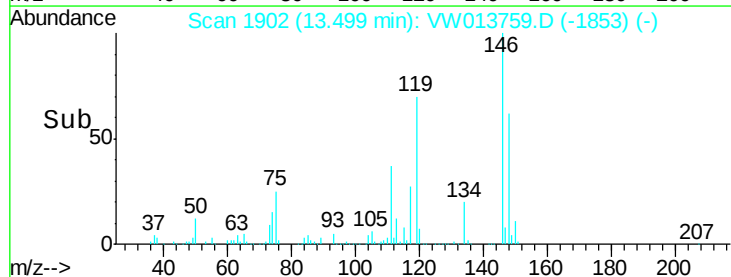
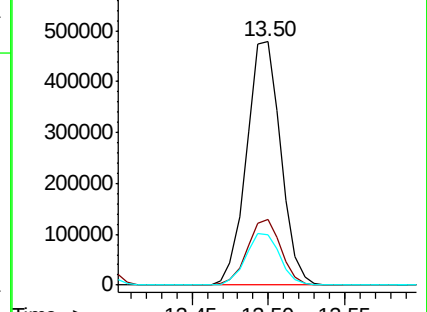
91 21.1 10.8 32.3

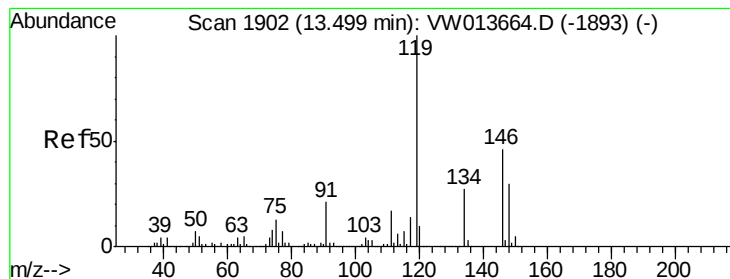


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#87

1,3-Dichlorobenzene

Concen: 48.429 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. -0.00 min

Lab File: VW013759.D

Acq: 28 Oct 2019 11:43

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

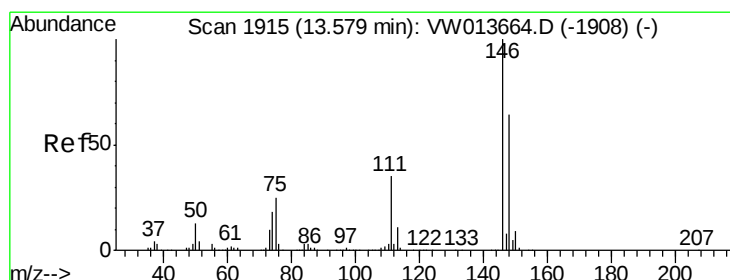
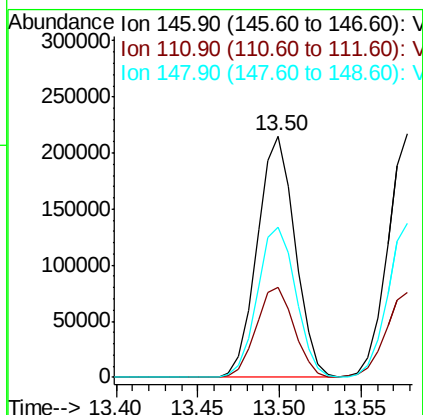
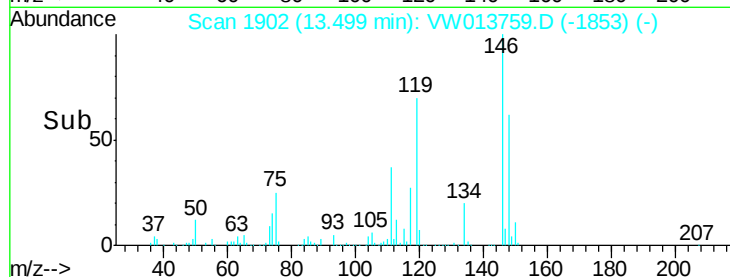
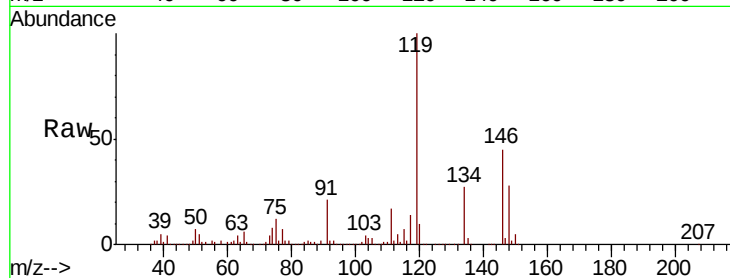
Tot Ion:146 Resp: 345039

Ion Ratio Lower Upper

146 100

111 37.8 18.6 56.0

148 63.6 31.7 95.1



#88

1,4-Dichlorobenzene

Concen: 48.261 ug/l

RT: 13.58 min Scan# 1915

Delta R.T. -0.00 min

Lab File: VW013759.D

Acq: 28 Oct 2019 11:43

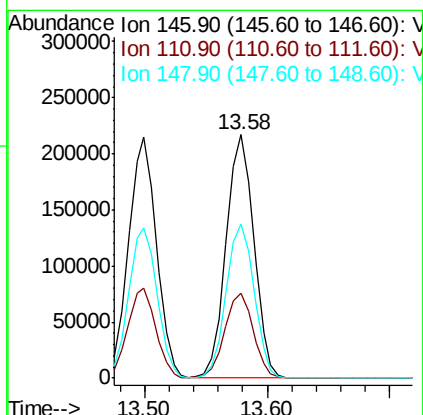
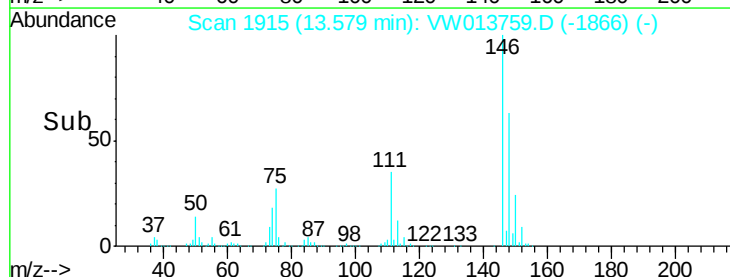
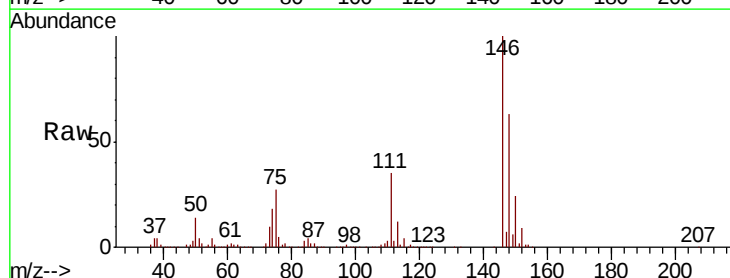
Tgt Ion:146 Resp: 341596

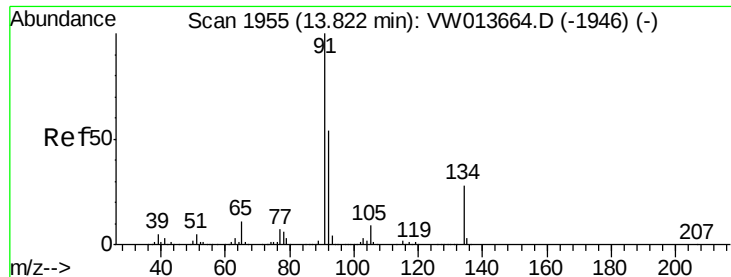
Ion Ratio Lower Upper

146 100

111 36.0 18.1 54.3

148 63.7 32.0 96.2

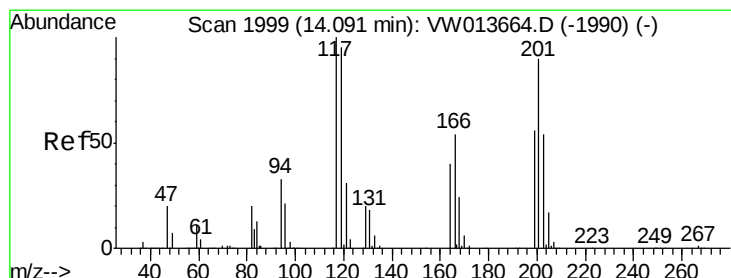
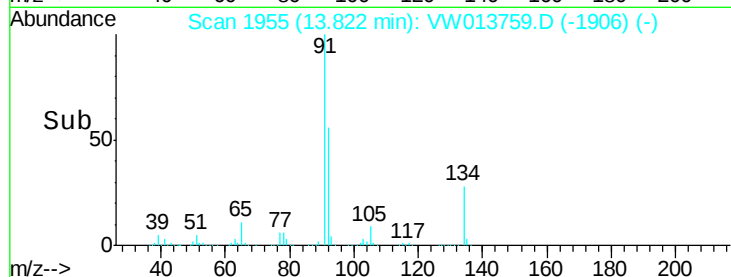
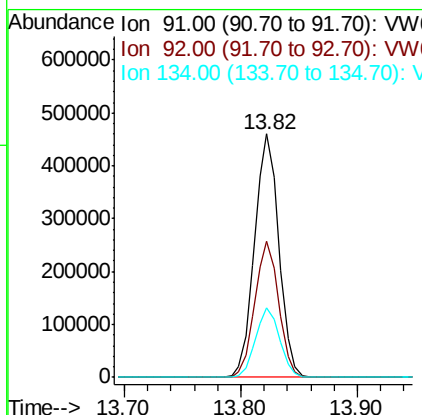
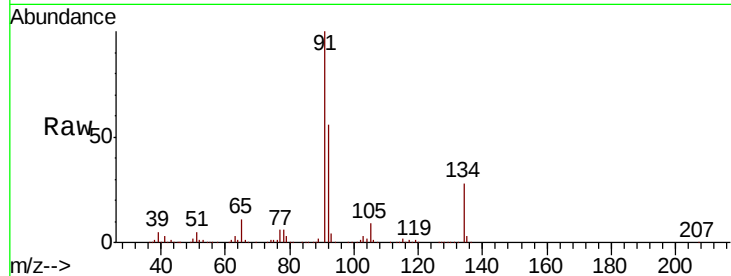




#89
n-Butylbenzene
Concen: 50.667 ug/l
RT: 13.82 min Scan# 1955
Delta R.T. -0.00 min
Lab File: VW013759.D
Acq: 28 Oct 2019 11:43

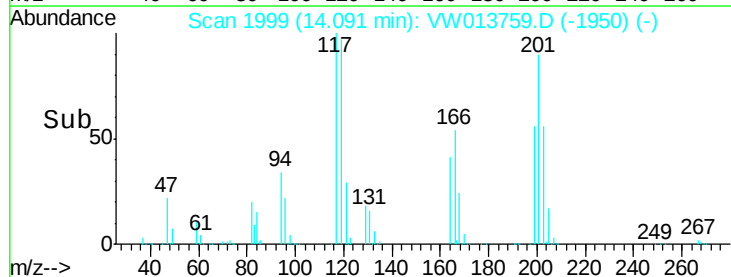
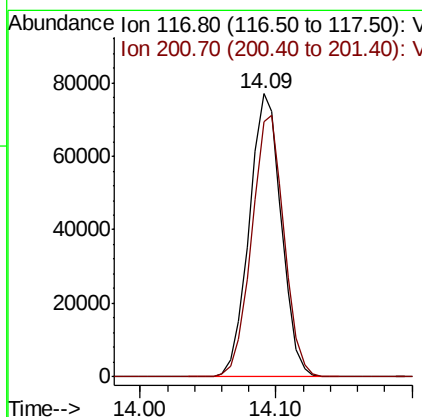
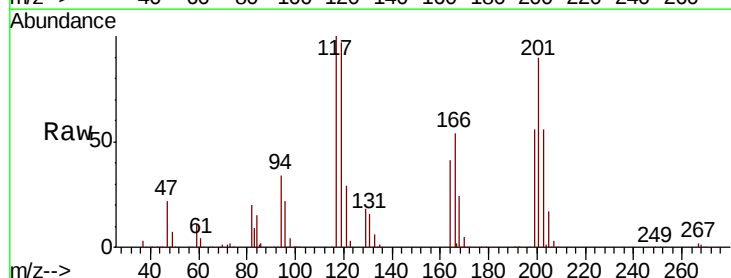
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

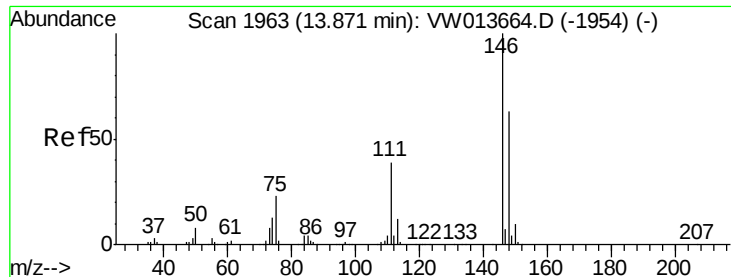
Tot Ion: 91 Resp: 671945
Ion Ratio Lower Upper
91 100
92 55.0 27.5 82.4
134 28.3 14.0 41.9



#90
Hexachloroethane
Concen: 49.839 ug/l
RT: 14.09 min Scan# 1999
Delta R.T. -0.00 min
Lab File: VW013759.D
Acq: 28 Oct 2019 11:43

Tgt Ion: 117 Resp: 127280
Ion Ratio Lower Upper
117 100
201 92.9 46.1 138.2

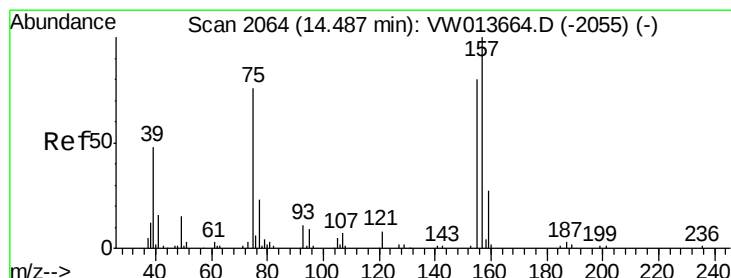
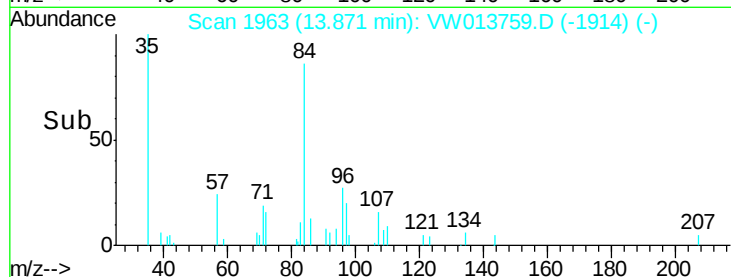
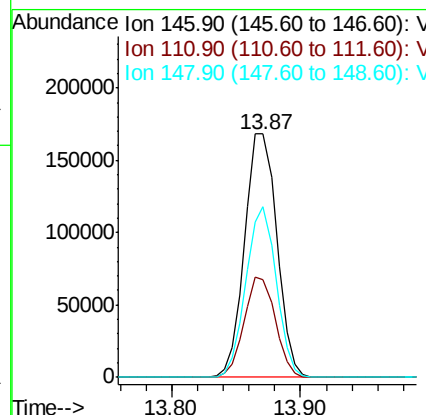
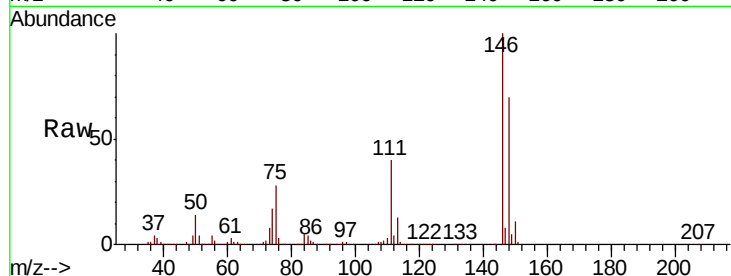




#91
 1,2-Dichlorobenzene
 Concen: 47.242 ug/l
 RT: 13.87 min Scan# 1963
 Delta R.T. -0.00 min
 Lab File: VW013759.D
 Acq: 28 Oct 2019 11:43

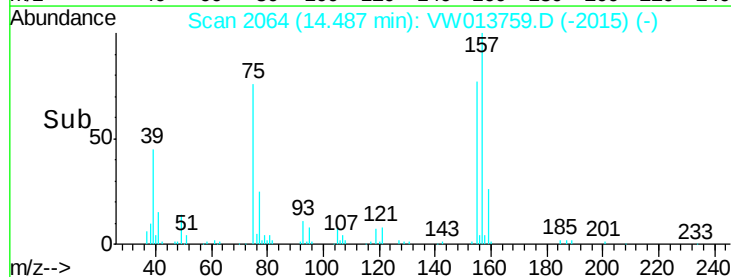
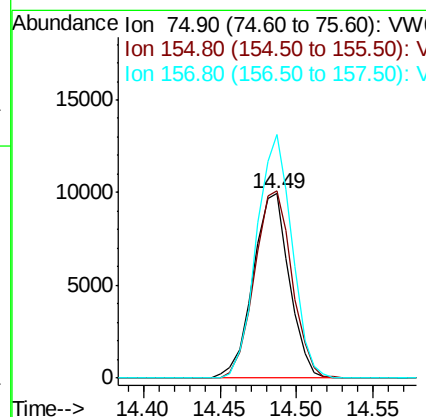
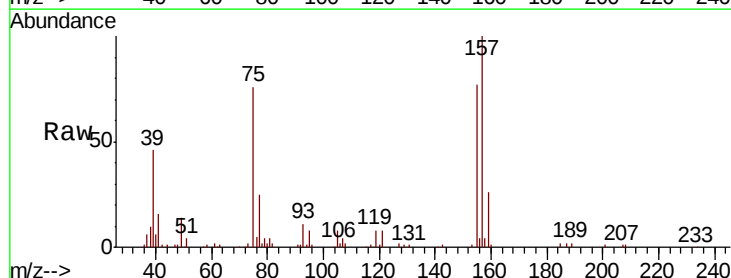
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

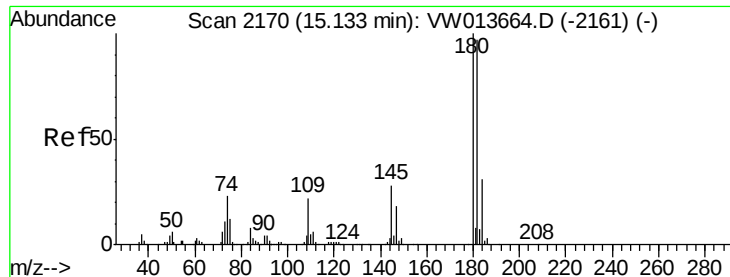
Tot Ion	Ratio	Lower	Upper
146	100		
111	39.8	19.9	59.6
148	65.5	31.9	95.9



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 44.740 ug/l
 RT: 14.49 min Scan# 2064
 Delta R.T. -0.00 min
 Lab File: VW013759.D
 Acq: 28 Oct 2019 11:43

Tgt Ion	Ratio	Lower	Upper
75	100		
155	104.4	51.9	155.7
157	128.6	64.8	194.3

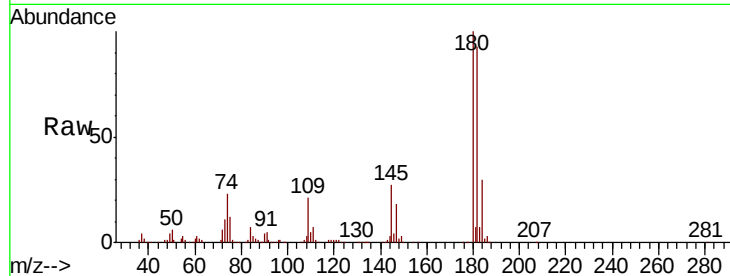




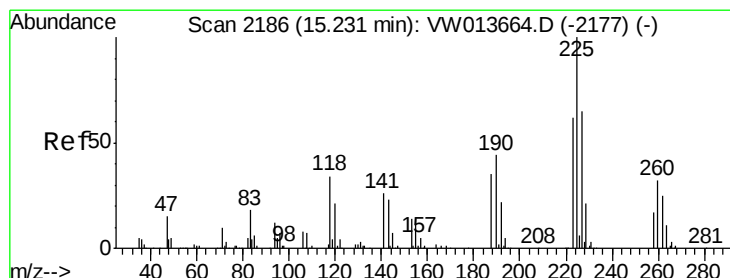
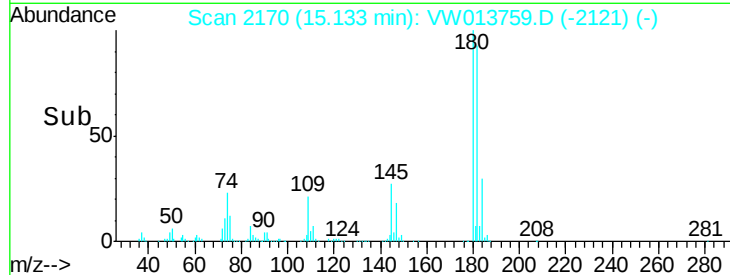
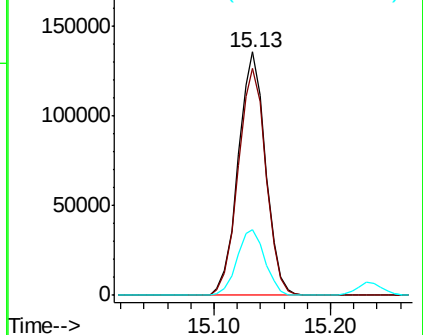
#93
 1,2,4-Trichlorobenzene
 Concen: 49.376 ug/l
 RT: 15.13 min Scan# 2170
 Delta R.T. -0.00 min
 Lab File: VW013759.D
 Acq: 28 Oct 2019 11:43

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion:180 Resp: 221983
 Ion Ratio Lower Upper
 180 100
 182 94.6 47.4 142.2
 145 27.7 14.1 42.3

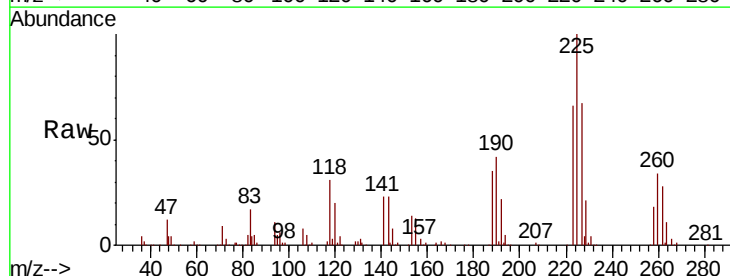


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

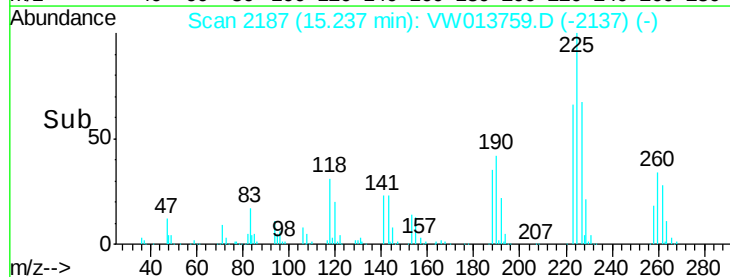
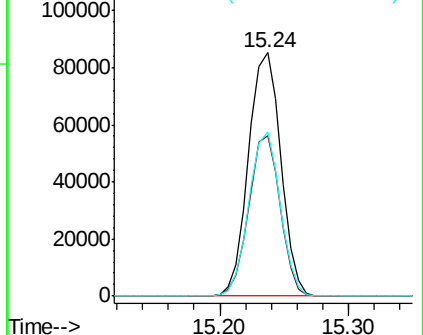


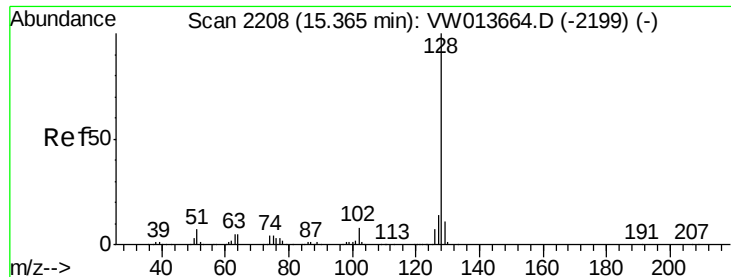
#94
 Hexachlorobutadiene
 Concen: 48.623 ug/l
 RT: 15.24 min Scan# 2187
 Delta R.T. 0.01 min
 Lab File: VW013759.D
 Acq: 28 Oct 2019 11:43

Tgt Ion:225 Resp: 147574
 Ion Ratio Lower Upper
 225 100
 223 64.0 31.9 95.9
 227 65.2 32.5 97.4



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

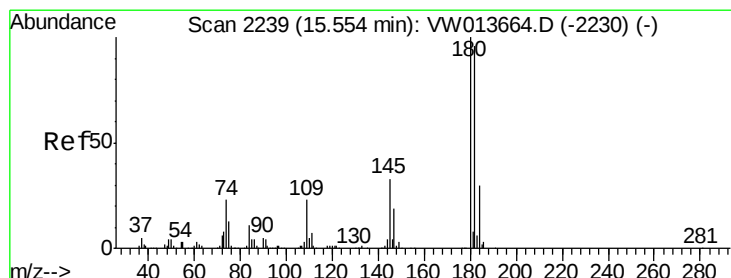
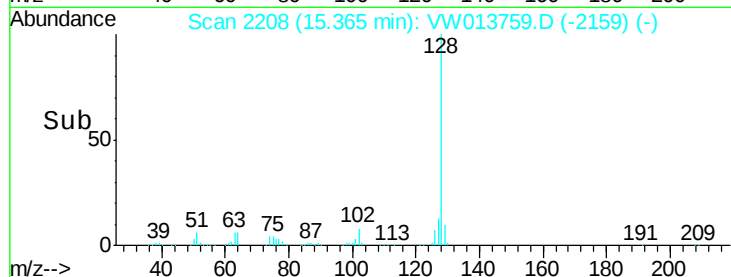
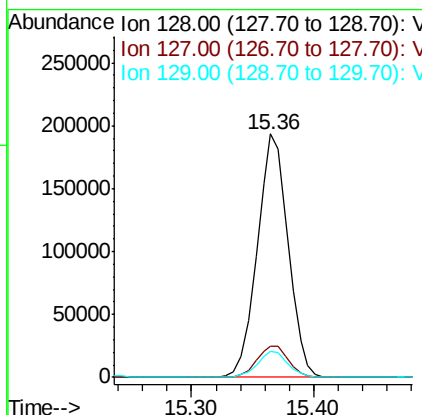
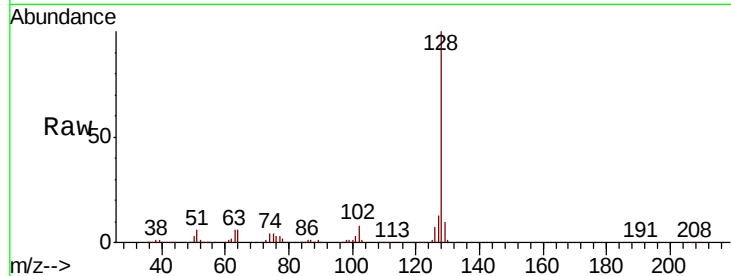




#95
Naphthalene
Concen: 48.109 ug/l
RT: 15.36 min Scan# 2208
Delta R.T. -0.00 min
Lab File: VW013759.D
Acq: 28 Oct 2019 11:43

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.2	10.6	15.8
129	10.5	8.7	13.1



#96
1,2,3-Trichlorobenzene
Concen: 48.856 ug/l
RT: 15.55 min Scan# 2239
Delta R.T. -0.00 min
Lab File: VW013759.D
Acq: 28 Oct 2019 11:43

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.1	47.4	142.3
145	29.7	14.9	44.9

