

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW100719\
 Data File : VW013454.D
 Acq On : 07 Oct 2019 11:16
 Operator : SY/VA
 Sample : VW1007SBS01
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1007SBS01

Quant Time: Oct 07 16:48:58 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W100119S.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 02 11:49:57 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	303928	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	418949	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	357243	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.55	152	184563	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	112358	49.51	ug/l	0.00
Spiked Amount			Recovery	=	99.02%	
35) Dibromofluoromethane	7.88	113	113509	51.63	ug/l	0.00
Spiked Amount			Recovery	=	103.26%	
50) Toluene-d8	10.32	98	475740	52.15	ug/l	0.00
Spiked Amount			Recovery	=	104.30%	
62) 4-Bromofluorobenzene	12.62	95	161015	52.85	ug/l	0.00
Spiked Amount			Recovery	=	105.70%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.01	85	27178	23.119	ug/l	92
3) Chloromethane	2.21	50	40029	20.635	ug/l	97
4) Vinyl Chloride	2.36	62	56595	20.557	ug/l	99
5) Bromomethane	2.77	94	32771	19.375	ug/l	94
6) Chloroethane	2.91	64	30228	19.015	ug/l	98
7) Trichlorofluoromethane	3.25	101	23887	19.999	ug/l	90
8) Diethyl Ether	3.67	74	27215	19.686	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	4.06	101	53348	20.146	ug/l	99
10) Methyl Iodide	4.26	142	83427	19.508	ug/l	99
11) Tert butyl alcohol	5.12	59	3412	Below Cal	#	73
12) 1,1-Dichloroethene	4.03	96	55991	20.013	ug/l	95
13) Acrolein	3.89	56	22065	102.675	ug/l	97
14) Allyl chloride	4.66	41	85519	20.663	ug/l	98
15) Acrylonitrile	5.37	53	67020	107.242	ug/l	99
16) Acetone	4.13	43	58522	84.132	ug/l	98
17) Carbon Disulfide	4.38	76	158650	20.326	ug/l	97
18) Methyl Acetate	4.67	43	33364	20.493	ug/l	96
19) Methyl tert-butyl Ether	5.42	73	83542	20.288	ug/l	99
20) Methylene Chloride	4.92	84	59575	19.421	ug/l	92
21) trans-1,2-Dichloroethene	5.41	96	58638	19.681	ug/l	96
22) Diisopropyl ether	6.31	45	157306	19.681	ug/l	98
23) Vinyl Acetate	6.25	43	498153	103.867	ug/l	99
24) 1,1-Dichloroethane	6.21	63	96801	19.884	ug/l	99
25) 2-Butanone	7.17	43	87384	98.177	ug/l	93
26) 2,2-Dichloropropane	7.16	77	62080	21.079	ug/l	99
27) cis-1,2-Dichloroethene	7.17	96	62060	19.899	ug/l	98
28) Bromochloromethane	7.51	49	31069	17.651	ug/l	97
29) Tetrahydrofuran	7.53	42	56583	114.752	ug/l	99
30) Chloroform	7.67	83	92030	19.278	ug/l	99
31) Cyclohexane	7.95	56	104252	20.080	ug/l	98
32) 1,1,1-Trichloroethane	7.87	97	76447	20.441	ug/l	98
36) 1,1-Dichloropropene	8.08	75	81832	21.030	ug/l	100
37) Ethyl Acetate	7.25	43	40716	23.787	ug/l	99
38) Carbon Tetrachloride	8.06	117	70716	20.979	ug/l	94

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Instrument :
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Quant Time: Oct 07 16:48:58 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W100119S.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 02 11:49:57 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.33	83	106880	20.856	ug/l	97
40) Benzene	8.32	78	224731	20.402	ug/l	100
41) Methacrylonitrile	7.48	41	22461	21.692	ug/l	95
42) 1,2-Dichloroethane	8.40	62	58993	20.838	ug/l	98
43) Isopropyl Acetate	8.42	43	70822	21.911	ug/l	99
44) Trichloroethene	9.09	130	64435	20.773	ug/l	96
45) 1,2-Dichloropropane	9.37	63	53204	20.117	ug/l	97
46) Dibromomethane	9.46	93	26655	20.234	ug/l	94
47) Bromodichloromethane	9.64	83	66834	20.609	ug/l	93
48) Methyl methacrylate	9.43	41	35147	22.631	ug/l	96
49) 1,4-Dioxane	9.46	88	10908	527.087	ug/l #	84
51) 4-Methyl-2-Pentanone	10.21	43	187955	110.678	ug/l	99
52) Toluene	10.38	92	146013	20.551	ug/l	99
53) t-1,3-Dichloropropene	10.60	75	70436	20.881	ug/l	98
54) cis-1,3-Dichloropropene	10.07	75	85469	20.898	ug/l	97
55) 1,1,2-Trichloroethane	10.79	97	40243	20.478	ug/l	96
56) Ethyl methacrylate	10.65	69	56280	21.277	ug/l	96
57) 1,3-Dichloropropane	10.93	76	70864	20.743	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.92	63	125898	115.871	ug/l	98
59) 2-Hexanone	10.96	43	129919	110.374	ug/l	99
60) Dibromochloromethane	11.13	129	47324	21.050	ug/l	98
61) 1,2-Dibromoethane	11.23	107	40298	21.221	ug/l	98
64) Tetrachloroethene	10.86	164	55163	20.296	ug/l	98
65) Chlorobenzene	11.66	112	149744	20.460	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.73	131	52677	21.132	ug/l	98
67) Ethyl Benzene	11.73	91	276090	21.048	ug/l	99
68) m/p-Xylenes	11.84	106	210373	41.550	ug/l	100
69) o-Xylene	12.16	106	95222	20.341	ug/l	99
70) Styrene	12.18	104	165431	20.673	ug/l	99
71) Bromoform	12.35	173	29880	22.109	ug/l #	99
73) Isopropylbenzene	12.46	105	273829	20.283	ug/l	98
74) N-amyl acetate	12.27	43	60909	21.199	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.71	83	49399	21.619	ug/l	100
76) 1,2,3-Trichloropropane	12.77	75	61690	37.608	ug/l #	100
77) Bromobenzene	12.74	156	64823	19.997	ug/l	100
78) n-propylbenzene	12.80	91	316348	20.371	ug/l	100
79) 2-Chlorotoluene	12.89	91	176183	20.426	ug/l	100
80) 1,3,5-Trimethylbenzene	12.94	105	225116	20.073	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.51	75	16224	23.466	ug/l	95
82) 4-Chlorotoluene	12.99	91	183274	20.284	ug/l	97
83) tert-Butylbenzene	13.21	119	200842	20.503	ug/l	98
84) 1,2,4-Trimethylbenzene	13.25	105	221058	19.828	ug/l	100
85) sec-Butylbenzene	13.38	105	280367	20.759	ug/l	99
86) p-Isopropyltoluene	13.50	119	258261	20.634	ug/l	100
87) 1,3-Dichlorobenzene	13.50	146	121563	19.932	ug/l	98
88) 1,4-Dichlorobenzene	13.58	146	121862	19.956	ug/l	99
89) n-Butylbenzene	13.82	91	234644	20.794	ug/l	99
90) Hexachloroethane	14.09	117	43312	20.946	ug/l	97
91) 1,2-Dichlorobenzene	13.87	146	108353	20.098	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.48	75	7797	22.813	ug/l	94

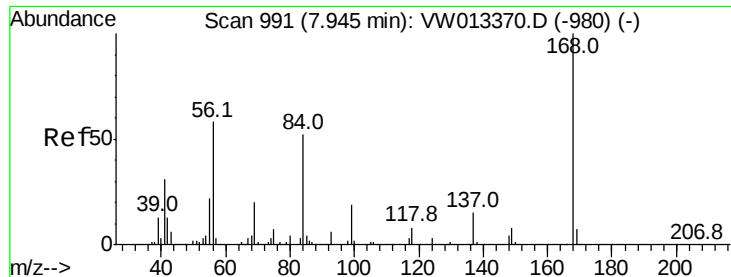
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW100719\
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Quant Title : SW846 8260
QLast Update : Wed Oct 02 11:49:57 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	78510	20.291	ug/l	98
94) Hexachlorobutadiene	15.23	225	52728	20.979	ug/l	99
95) Naphthalene	15.36	128	143847	22.039	ug/l	99
96) 1,2,3-Trichlorobenzene	15.55	180	69346	20.528	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. 0.00 min

Lab File: VW013454.D

Acq: 07 Oct 2019 11:16

Instrument :

MSVOA_W

ClientSampleId :

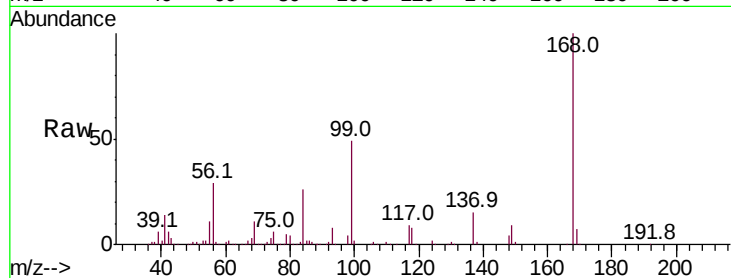
VW1007SBS01

Tot Ion:168 Resp: 303928

Ion Ratio Lower Upper

168 100

99 49.0 40.2 60.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

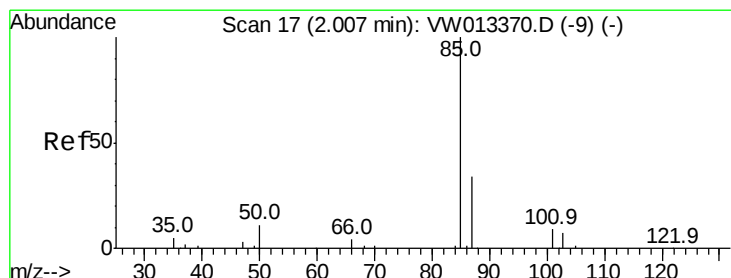
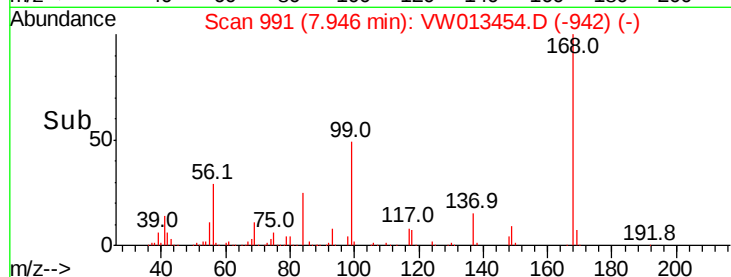
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 23.119 ug/l

RT: 2.01 min Scan# 17

Delta R.T. 0.00 min

Lab File: VW013454.D

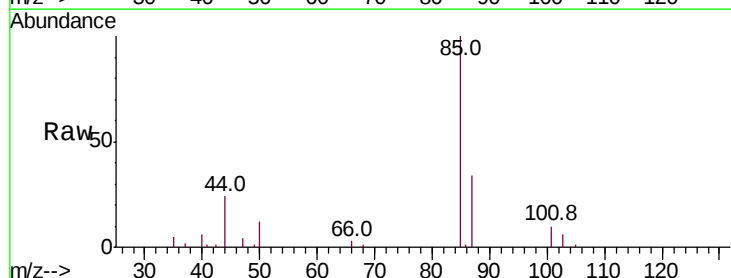
Acq: 07 Oct 2019 11:16

Tgt Ion: 85 Resp: 27178

Ion Ratio Lower Upper

85 100

87 34.4 15.1 45.3



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.01

8000

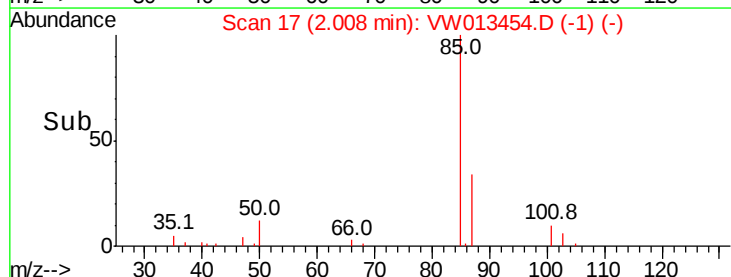
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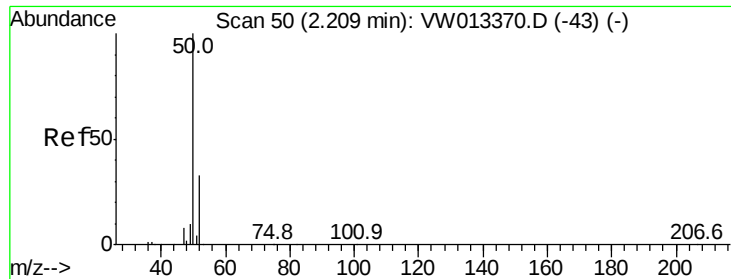
4000

2000

0

Time-->





#3

Chloromethane

Concen: 20.635 ug/l

RT: 2.21 min Scan# 50

Delta R.T. 0.00 min

Lab File: VW013454.D

Acq: 07 Oct 2019 11:16

Instrument :

MSVOA_W

ClientSampleId :

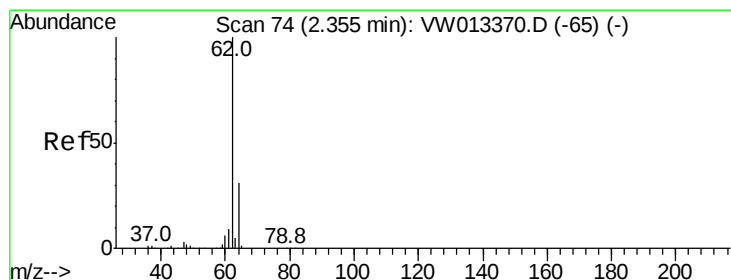
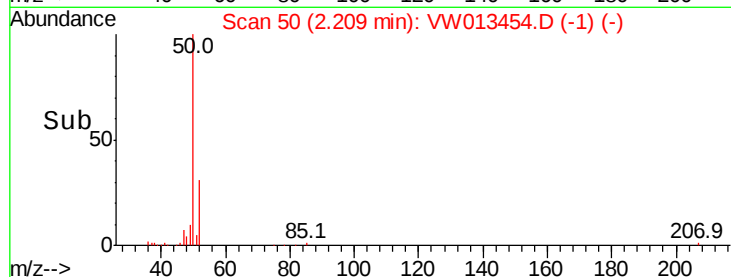
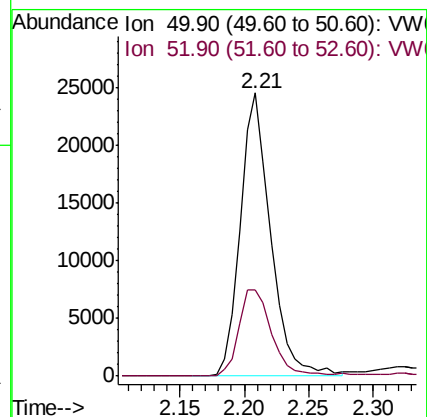
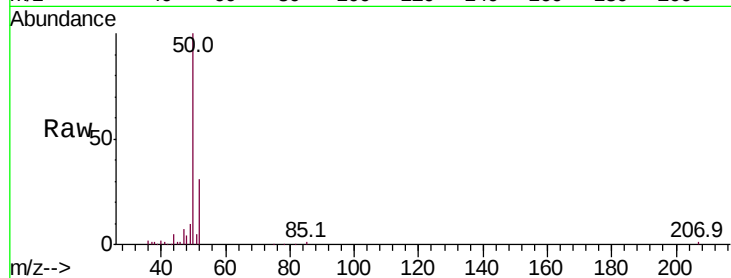
VW1007SBS01

Tot Ion: 50 Resp: 40029

Ion Ratio Lower Upper

50 100

52 30.7 26.1 39.1



#4

Vinyl Chloride

Concen: 20.557 ug/l

RT: 2.36 min Scan# 74

Delta R.T. 0.00 min

Lab File: VW013454.D

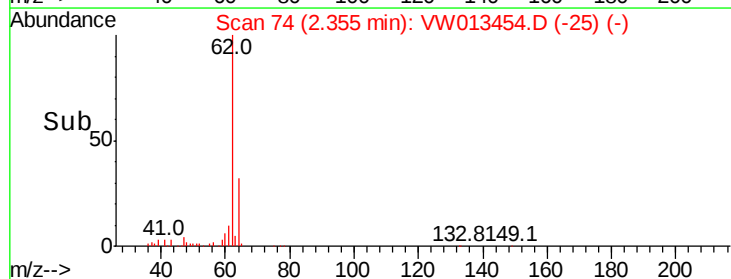
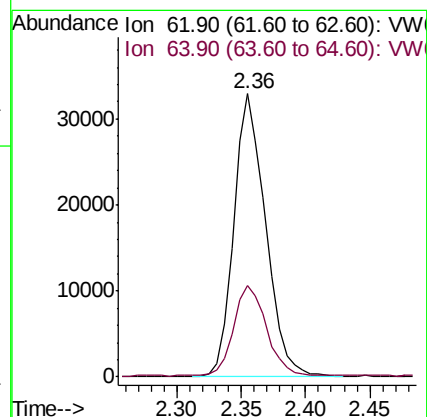
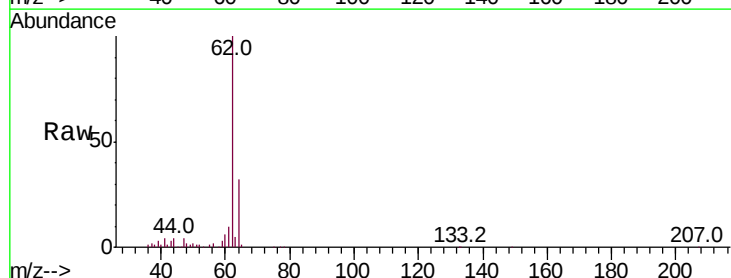
Acq: 07 Oct 2019 11:16

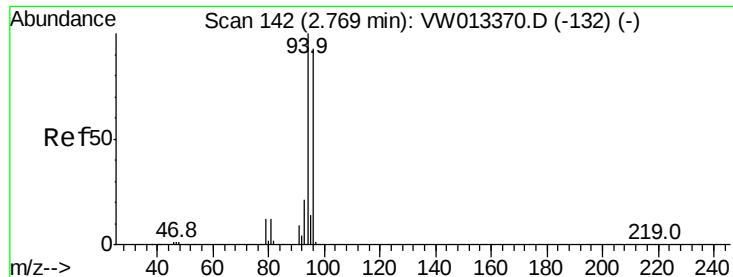
Tgt Ion: 62 Resp: 56595

Ion Ratio Lower Upper

62 100

64 32.0 25.3 37.9





#5

Bromomethane

Concen: 19.375 ug/l

RT: 2.77 min Scan# 142

Delta R.T. 0.00 min

Lab File: VW013454.D

Acq: 07 Oct 2019 11:16

Instrument :

MSVOA_W

ClientSampleId :

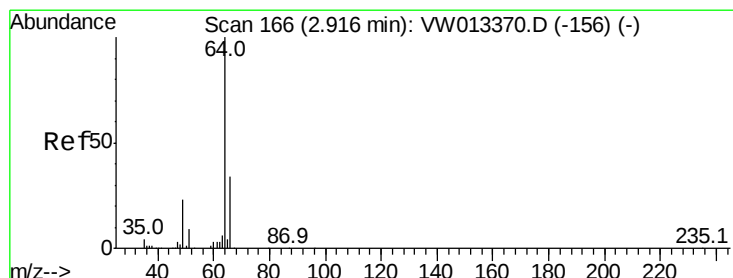
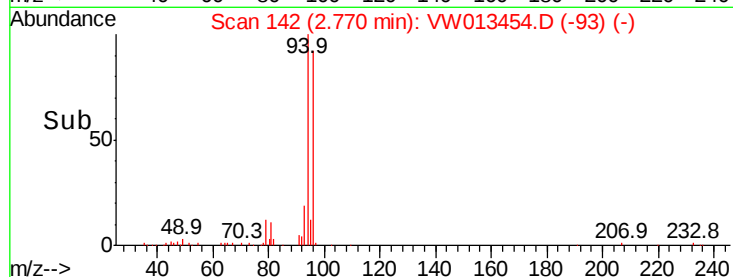
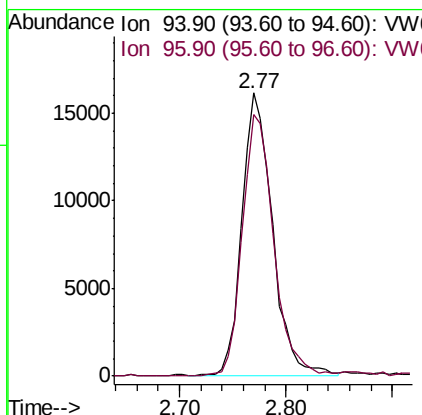
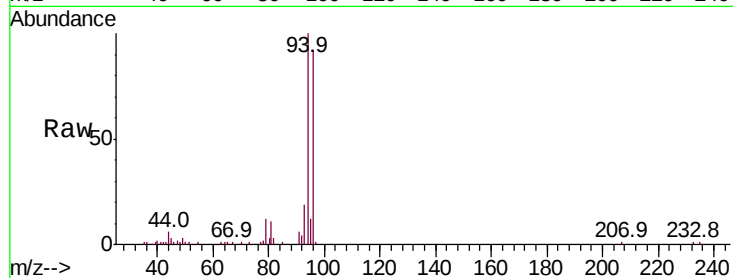
VW1007SBS01

Tot Ion: 94 Resp: 32771

Ion Ratio Lower Upper

94 100

96 92.5 69.7 104.5



#6

Chloroethane

Concen: 19.015 ug/l

RT: 2.91 min Scan# 165

Delta R.T. -0.01 min

Lab File: VW013454.D

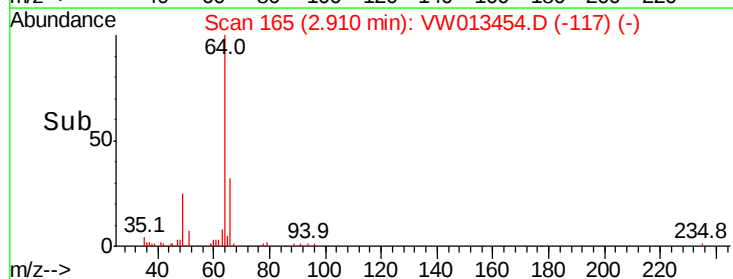
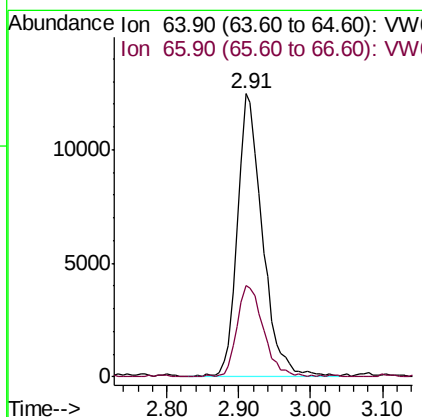
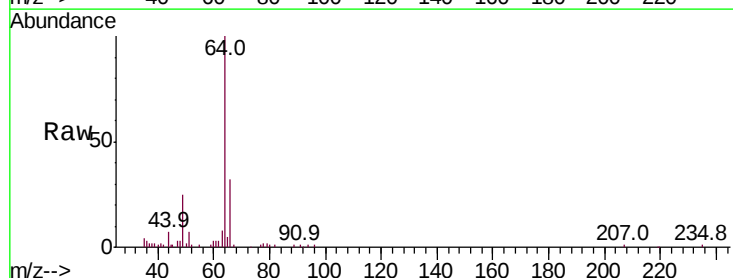
Acq: 07 Oct 2019 11:16

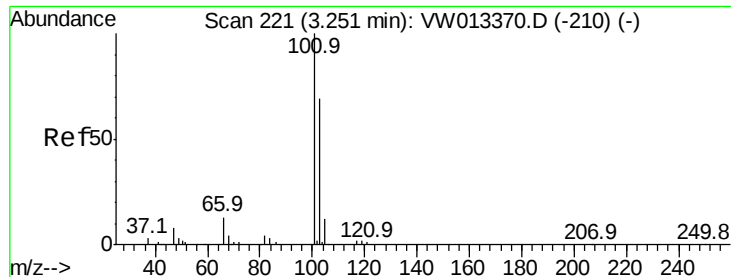
Tgt Ion: 64 Resp: 30228

Ion Ratio Lower Upper

64 100

66 32.1 26.6 39.8



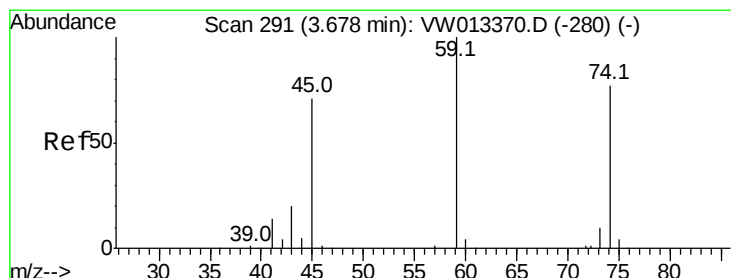
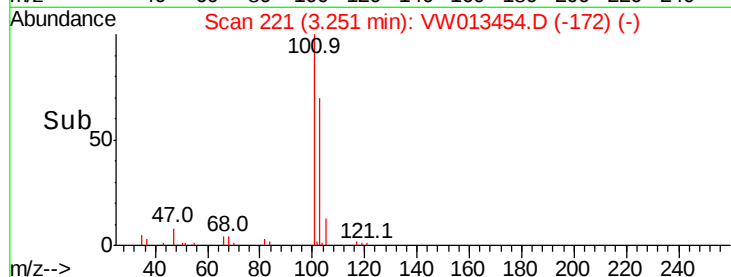
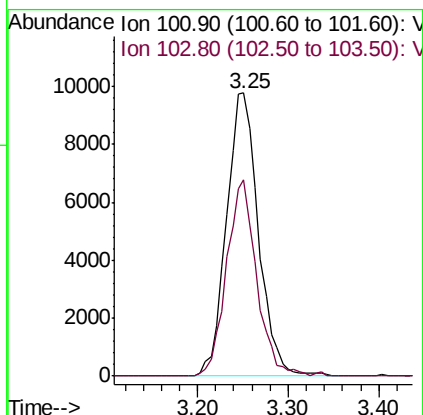
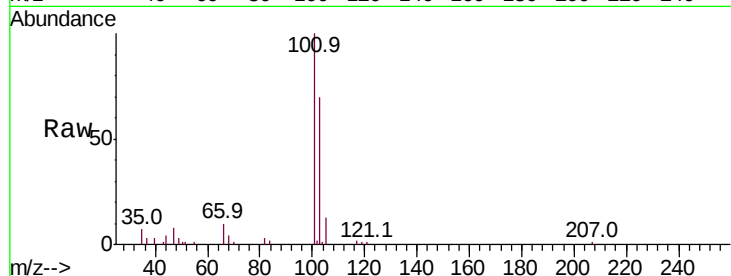


#7

Trichlorofluoromethane
Concen: 19.999 ug/l
RT: 3.25 min Scan# 221
Delta R.T. 0.00 min
Lab File: VW013454.D
Acq: 07 Oct 2019 11:16

Instrument :
MSVOA_W
ClientSampleId :
VW1007SBS01

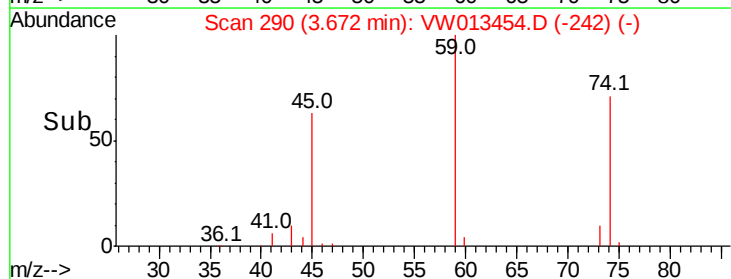
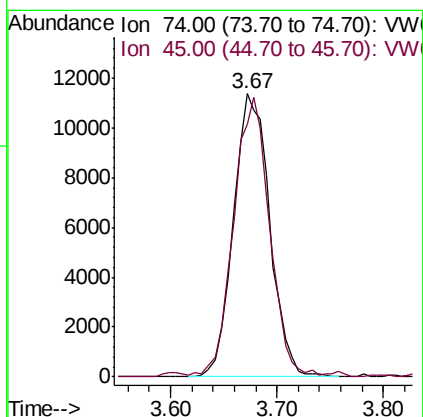
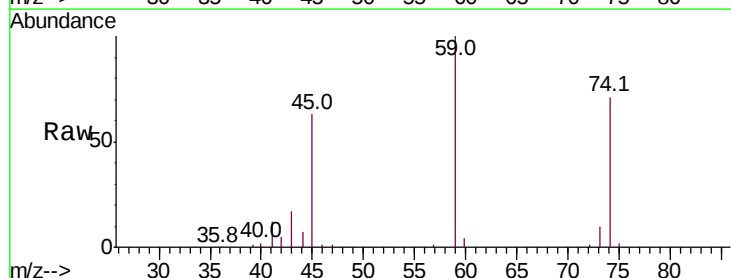
Tot Ion:101 Resp: 23887
Ion Ratio Lower Upper
101 100
103 69.6 49.7 74.5

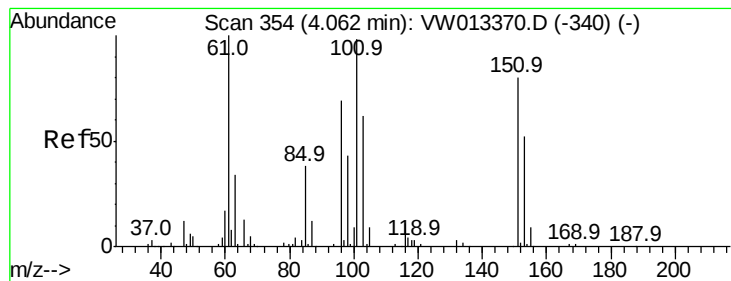


#8

Diethyl Ether
Concen: 19.686 ug/l
RT: 3.67 min Scan# 290
Delta R.T. -0.01 min
Lab File: VW013454.D
Acq: 07 Oct 2019 11:16

Tgt Ion: 74 Resp: 27215
Ion Ratio Lower Upper
74 100
45 95.9 49.5 148.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.146 ug/l

RT: 4.06 min Scan# 354

Delta R.T. 0.00 min

Lab File: VW013454.D

Acq: 07 Oct 2019 11:16

Instrument :

MSVOA_W

ClientSampleId :

VW1007SBS01

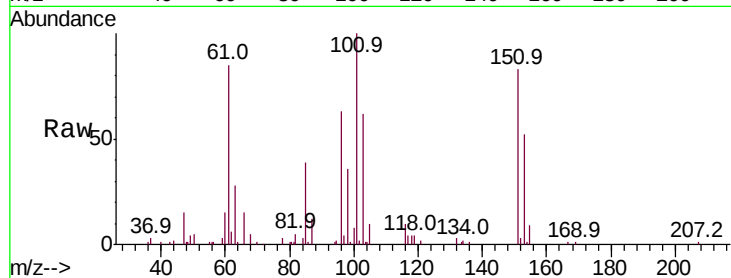
Tot Ion:101 Resp: 53348

Ion Ratio Lower Upper

101 100

85 40.2 33.4 50.0

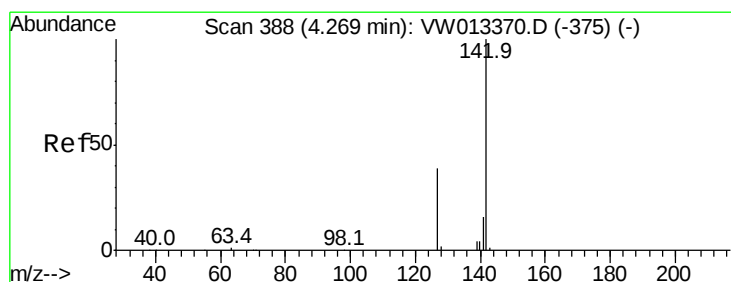
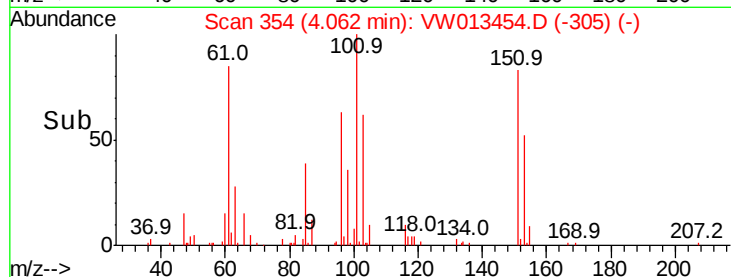
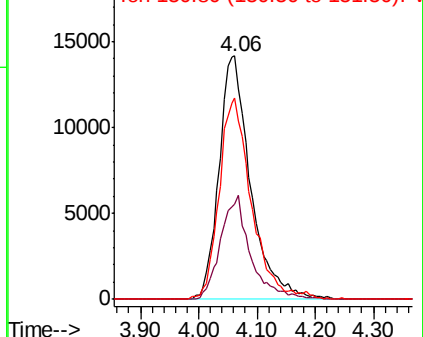
151 83.3 66.9 100.3



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VW

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 19.508 ug/l

RT: 4.26 min Scan# 387

Delta R.T. -0.01 min

Lab File: VW013454.D

Acq: 07 Oct 2019 11:16

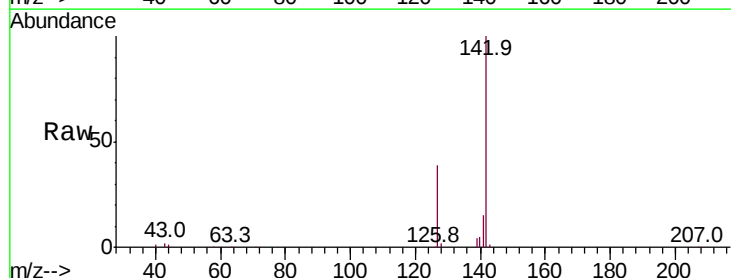
Tgt Ion:142 Resp: 83427

Ion Ratio Lower Upper

142 100

127 37.7 30.9 46.3

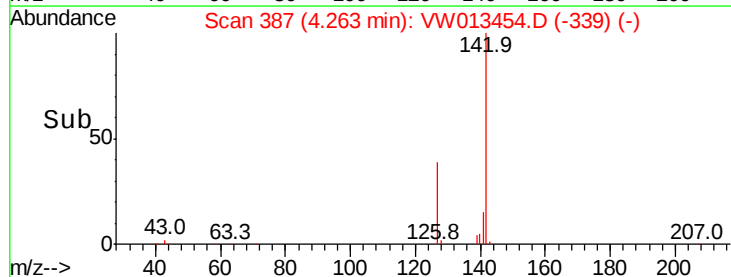
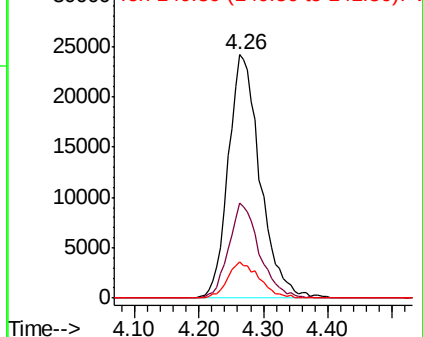
141 14.8 11.7 17.5

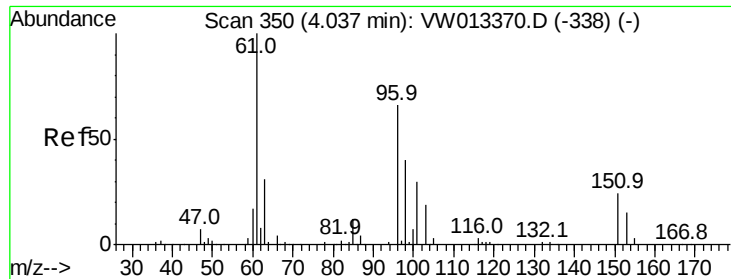


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#12

1,1-Dichloroethene

Concen: 20.013 ug/l

RT: 4.03 min Scan# 349

Delta R.T. -0.01 min

Lab File: VW013454.D

Acq: 07 Oct 2019 11:16

Instrument :
MSVOA_W
ClientSampleId :
VW1007SBS01

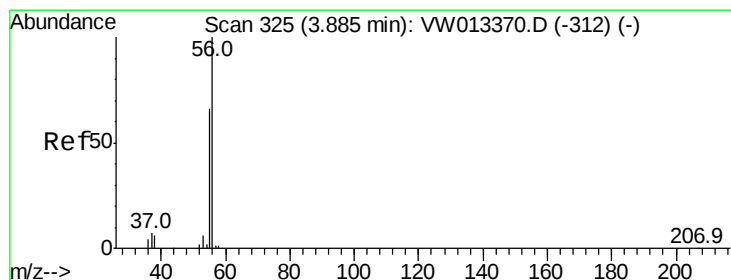
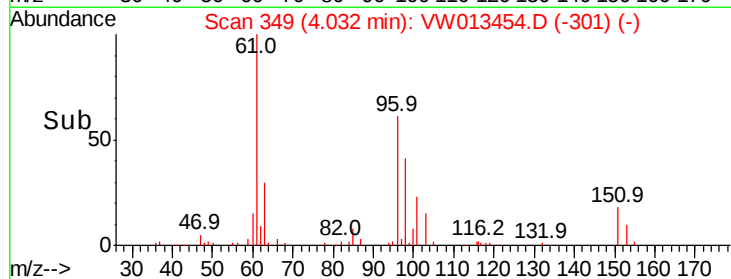
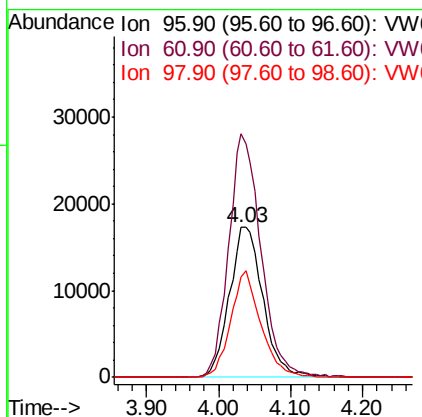
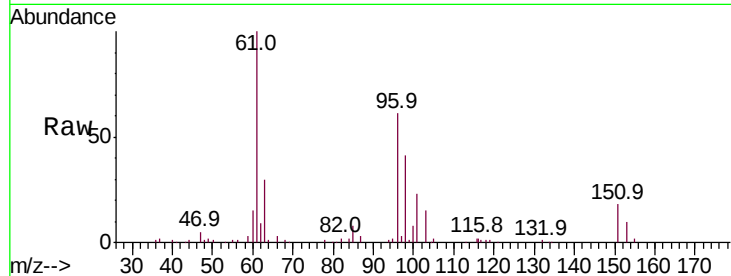
Tot Ion: 96 Resp: 55991

Ion Ratio Lower Upper

96 100

61 162.6 125.1 187.7

98 66.9 50.8 76.2



#13

Acrolein

Concen: 102.675 ug/l

RT: 3.89 min Scan# 326

Delta R.T. 0.01 min

Lab File: VW013454.D

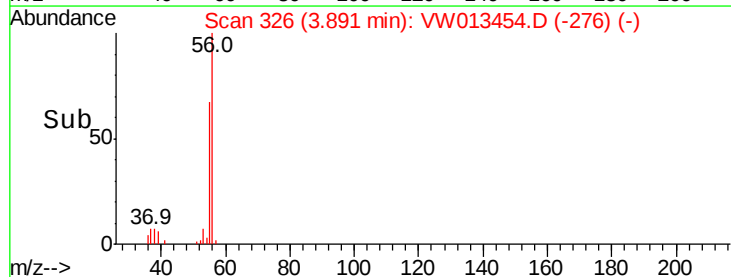
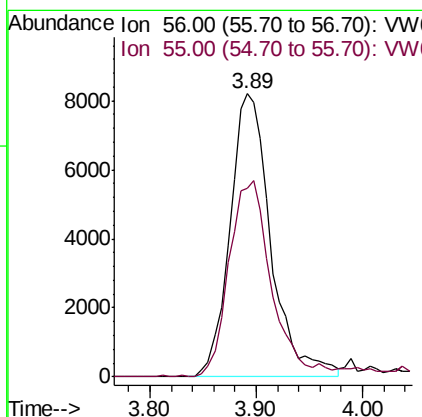
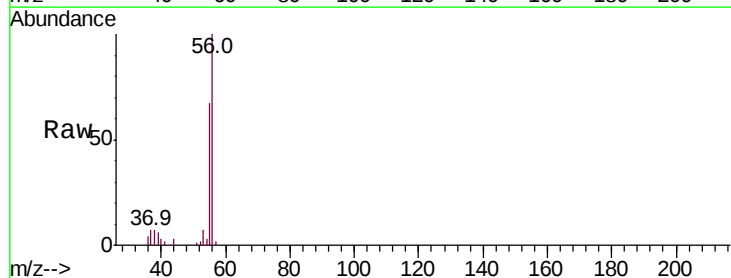
Acq: 07 Oct 2019 11:16

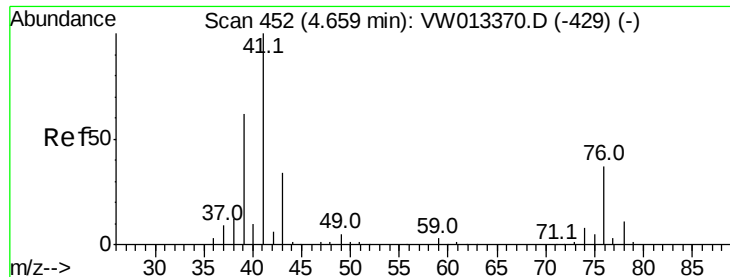
Tgt Ion: 56 Resp: 22065

Ion Ratio Lower Upper

56 100

55 71.7 55.4 83.0





#14

Allvl chloride

Concen: 20.663 ug/l

RT: 4.66 min Scan# 452

Delta R.T. 0.00 min

Lab File: VW013454.D

Acq: 07 Oct 2019 11:16

Instrument :

MSVOA_W

ClientSampleId :

VW1007SBS01

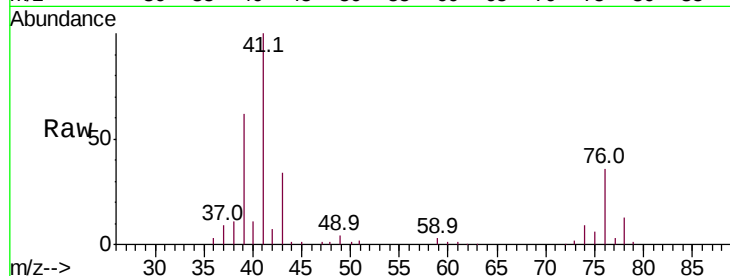
Tot Ion: 41 Resp: 85519

Ion Ratio Lower Upper

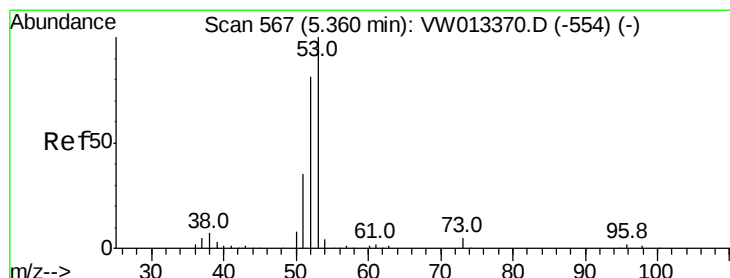
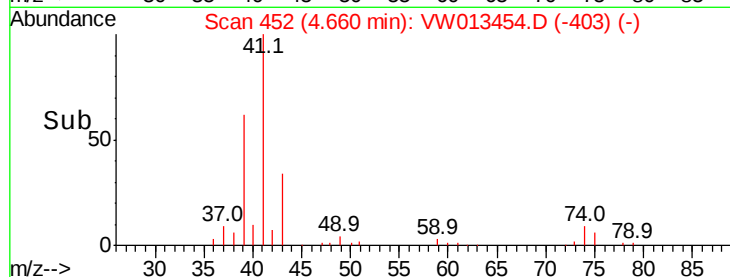
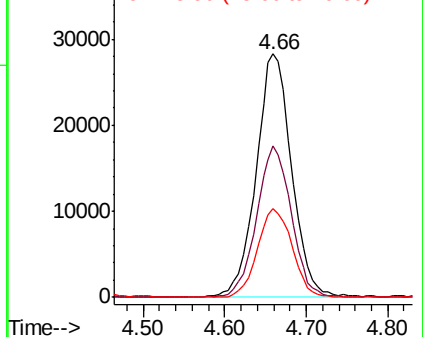
41 100

39 60.9 51.0 76.4

76 35.4 28.4 42.6



Abundance Ion 41.00 (40.70 to 41.70): VW
Ion 39.00 (38.70 to 39.70): VW
Ion 75.90 (75.60 to 76.60): VW



#15

Acrylonitrile

Concen: 107.242 ug/l

RT: 5.37 min Scan# 568

Delta R.T. 0.01 min

Lab File: VW013454.D

Acq: 07 Oct 2019 11:16

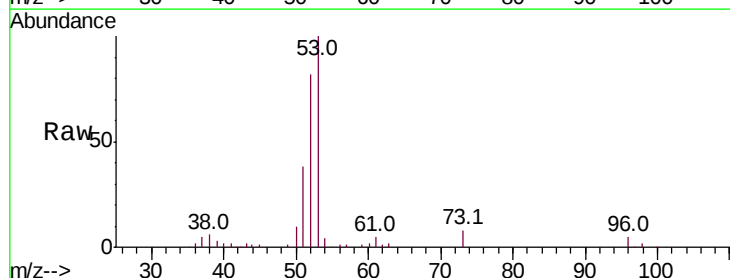
Tgt Ion: 53 Resp: 67020

Ion Ratio Lower Upper

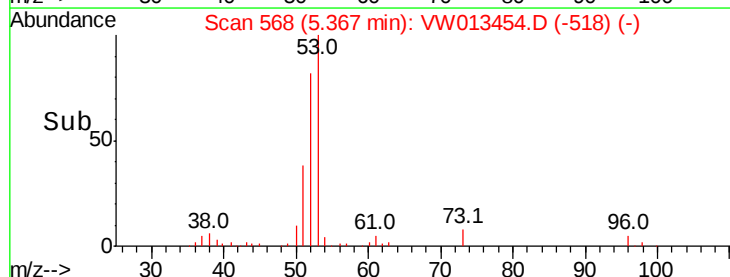
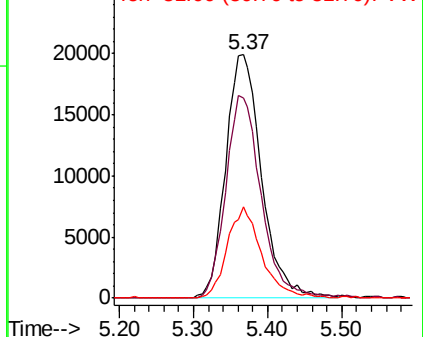
53 100

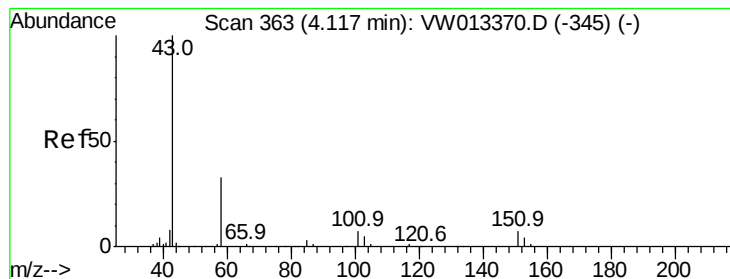
52 82.0 65.3 97.9

51 35.7 29.0 43.4



Abundance Ion 53.00 (52.70 to 53.70): VW
Ion 52.00 (51.70 to 52.70): VW
Ion 51.00 (50.70 to 51.70): VW





#16

Acetone

Concen: 84.132 ug/l

RT: 4.13 min Scan# 365

Delta R.T. 0.01 min

Lab File: VW013454.D

Acq: 07 Oct 2019 11:16

Instrument :

MSVOA_W

ClientSampleId :

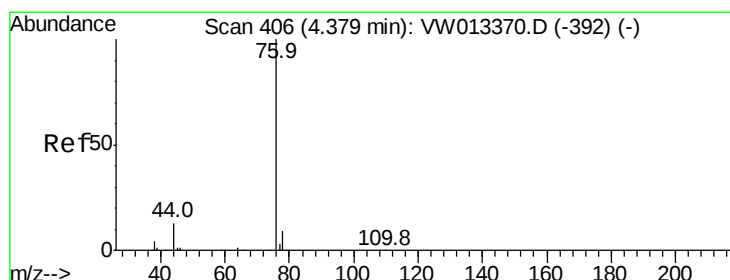
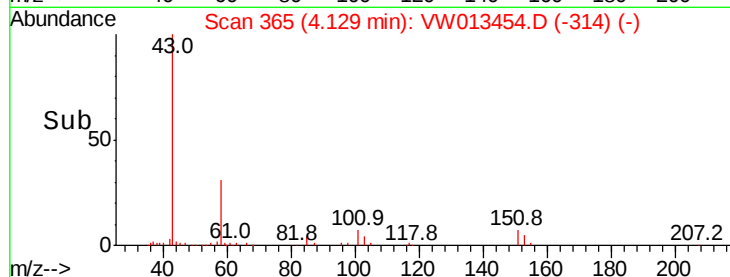
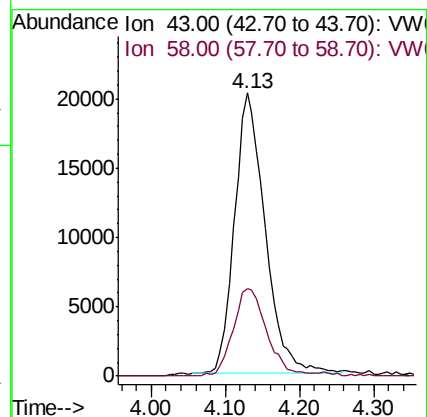
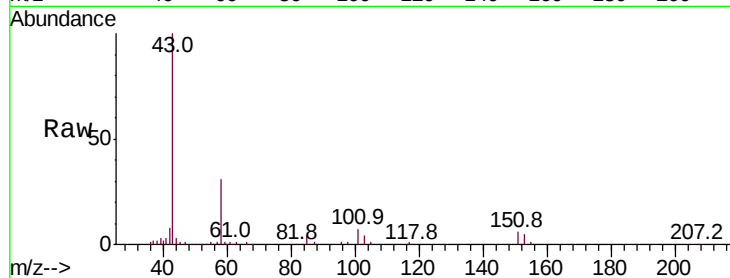
VW1007SBS01

Tot Ion: 43 Resp: 58522

Ion Ratio Lower Upper

43 100

58 31.2 24.1 36.1



#17

Carbon Disulfide

Concen: 20.326 ug/l

RT: 4.38 min Scan# 406

Delta R.T. 0.00 min

Lab File: VW013454.D

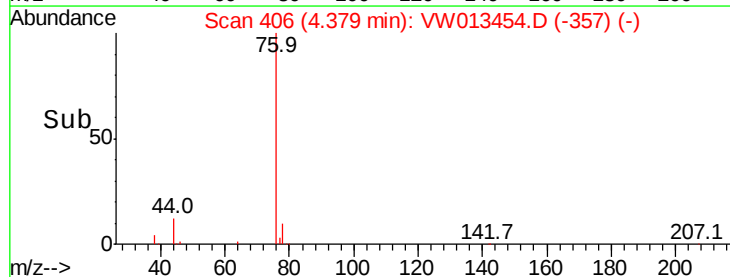
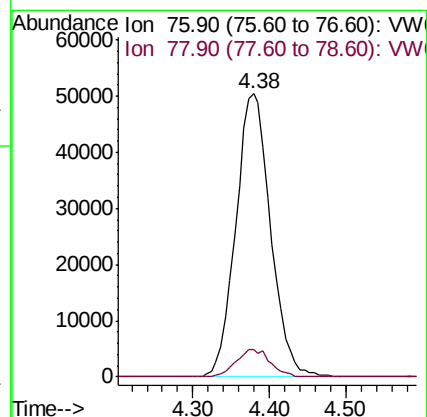
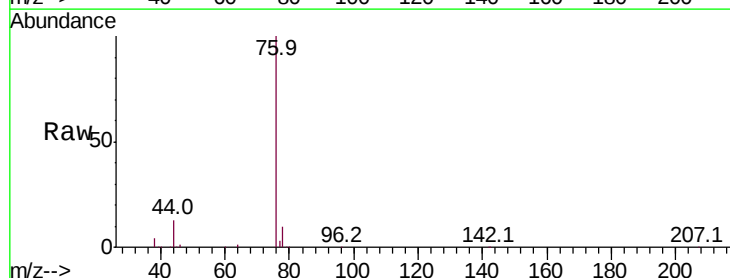
Acq: 07 Oct 2019 11:16

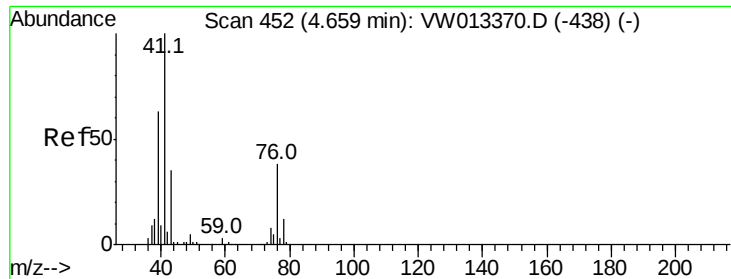
Tgt Ion: 76 Resp: 158650

Ion Ratio Lower Upper

76 100

78 9.8 7.0 10.4

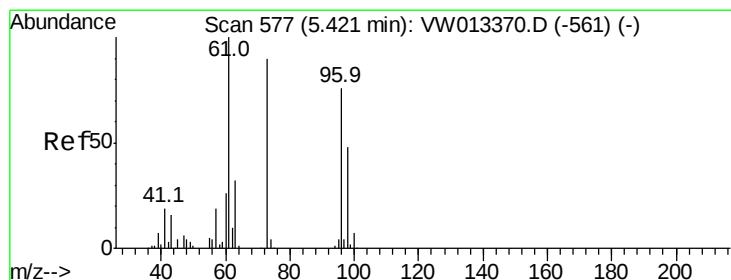
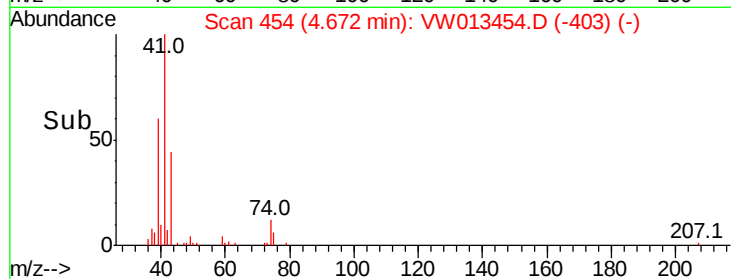
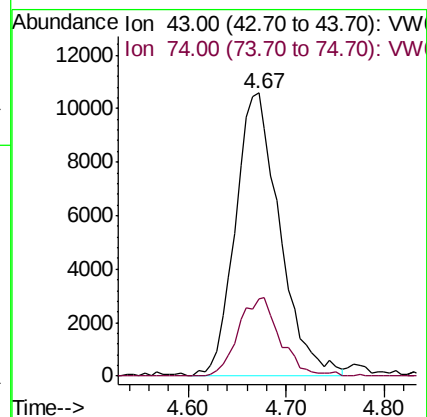
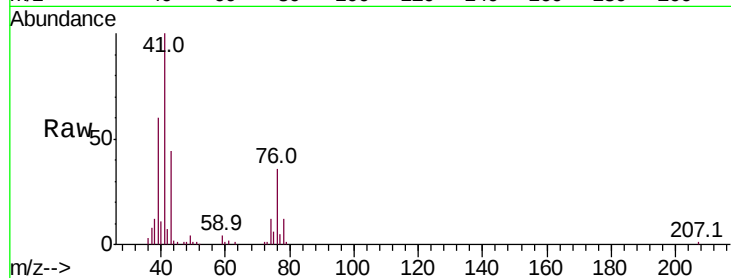




#18
Methyl Acetate
Concen: 20.493 ug/l
RT: 4.67 min Scan# 454
Delta R.T. 0.01 min
Lab File: VW013454.D
Acq: 07 Oct 2019 11:16

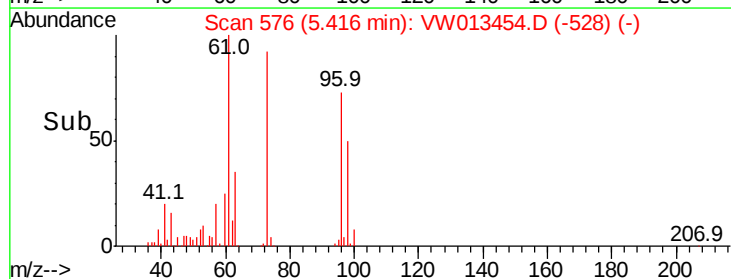
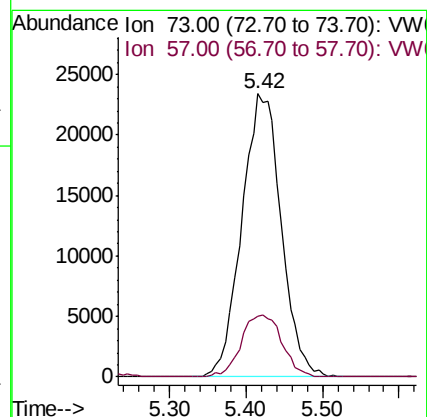
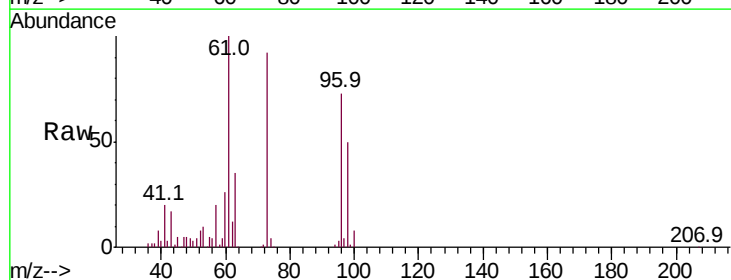
Instrument :
MSVOA_W
ClientSampleId :
VW1007SBS01

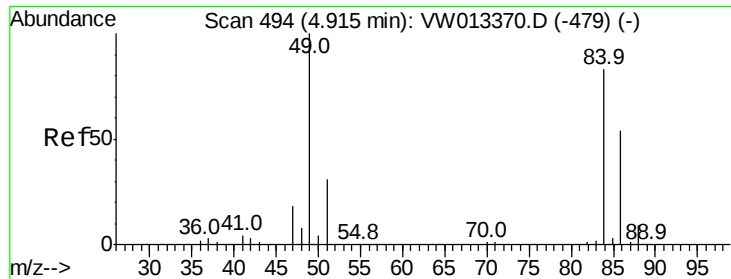
Tot Ion: 43 Resp: 33364
Ion Ratio Lower Upper
43 100
74 26.0 19.3 28.9



#19
Methyl tert-butyl Ether
Concen: 20.288 ug/l
RT: 5.42 min Scan# 576
Delta R.T. -0.01 min
Lab File: VW013454.D
Acq: 07 Oct 2019 11:16

Tgt Ion: 73 Resp: 83542
Ion Ratio Lower Upper
73 100
57 21.5 17.6 26.4

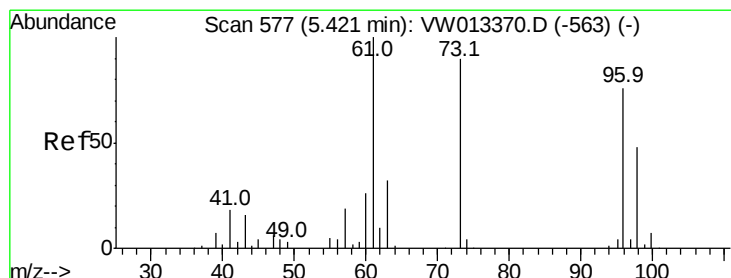
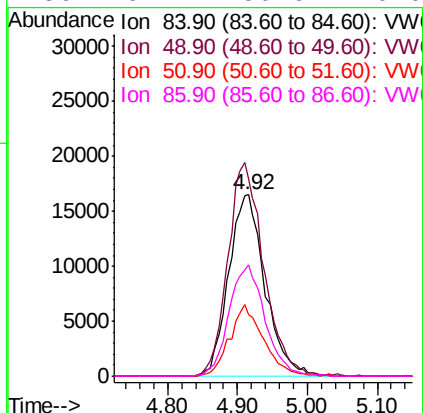
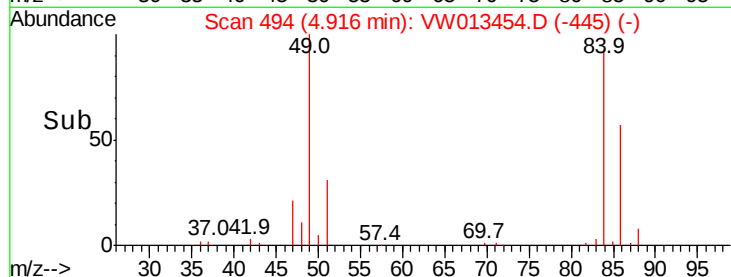
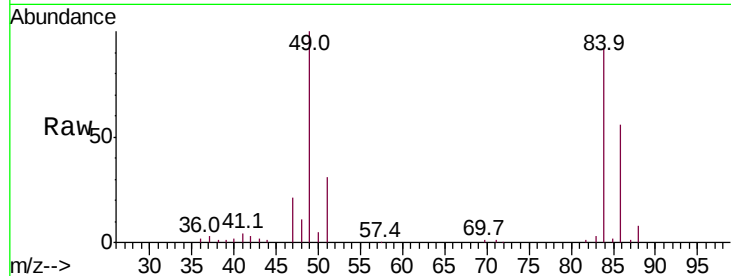




#20
Methylene Chloride
Concen: 19.421 ug/l
RT: 4.92 min Scan# 494
Delta R.T. 0.00 min
Lab File: VW013454.D
Acq: 07 Oct 2019 11:16

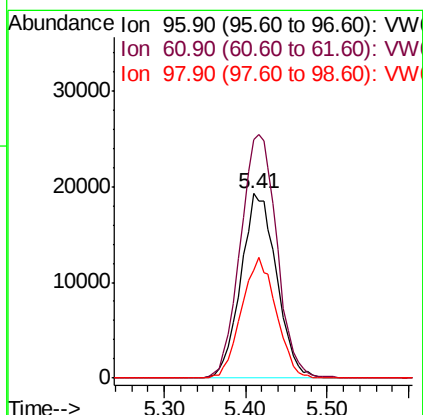
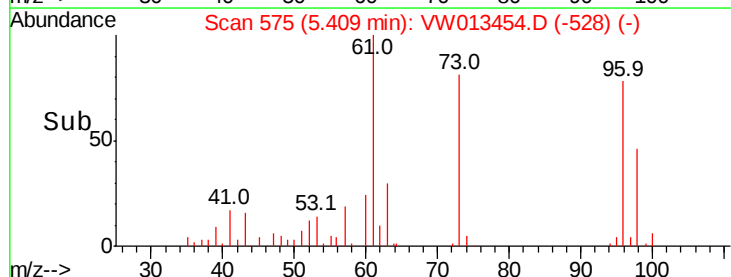
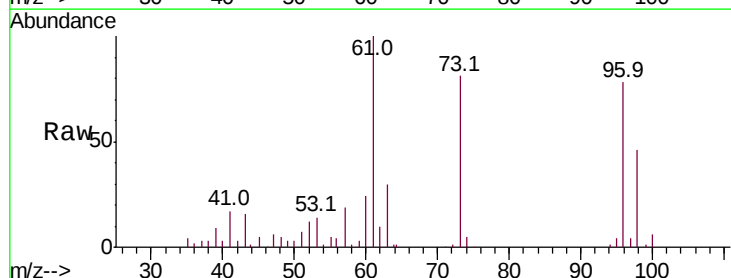
Instrument :
MSVOA_W
ClientSampleId :
VW1007SBS01

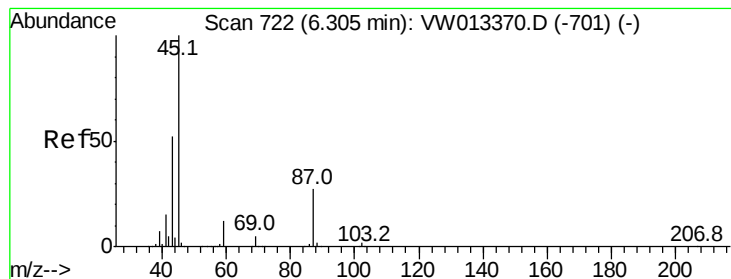
Tot Ion: 84 Resp: 59575
Ion Ratio Lower Upper
84 100
49 108.8 97.6 146.4
51 34.1 30.2 45.2
86 61.1 50.6 76.0



#21
trans-1,2-Dichloroethene
Concen: 19.681 ug/l
RT: 5.41 min Scan# 575
Delta R.T. -0.01 min
Lab File: VW013454.D
Acq: 07 Oct 2019 11:16

Tgt Ion: 96 Resp: 58638
Ion Ratio Lower Upper
96 100
61 128.9 106.6 159.8
98 58.7 49.8 74.8





#22

Diisopropyl ether

Concen: 19.681 ug/l

RT: 6.31 min Scan# 722

Delta R.T. 0.00 min

Lab File: VW013454.D

Acq: 07 Oct 2019 11:16

Instrument :

MSVOA_W

ClientSampleId :

VW1007SBS01

Tot Ion: 45 Resp: 157306

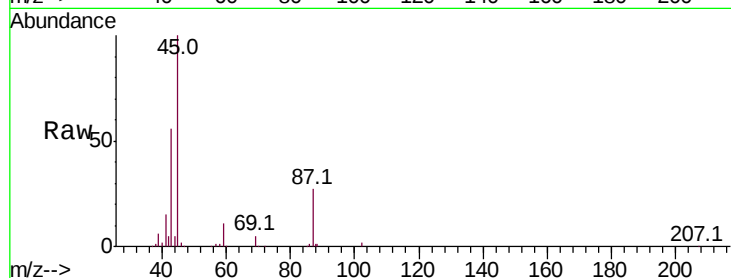
Ion Ratio Lower Upper

45 100

43 55.0 42.4 63.6

87 26.9 20.4 30.6

59 11.0 8.8 13.2

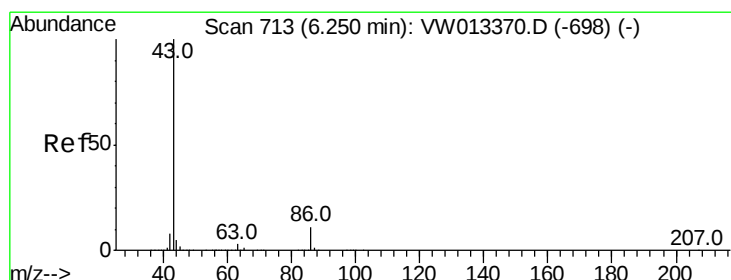
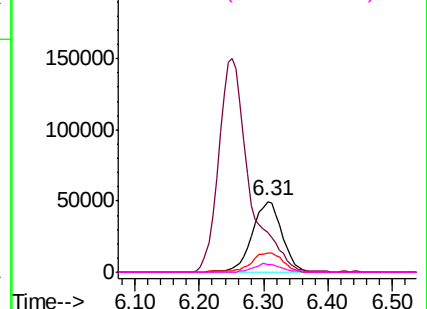
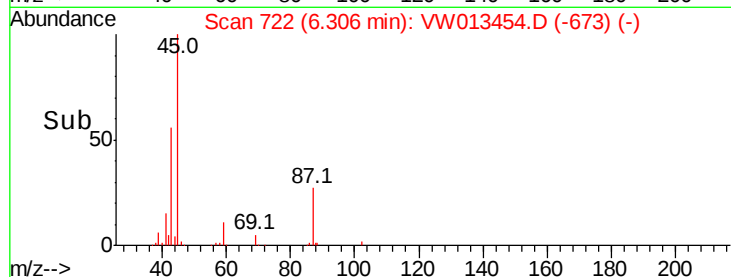


Abundance Ion 45.00 (44.70 to 45.70): VW

Ion 43.00 (42.70 to 43.70): VW

Ion 87.00 (86.70 to 87.70): VW

Ion 59.00 (58.70 to 59.70): VW



#23

Vinyl Acetate

Concen: 103.867 ug/l

RT: 6.25 min Scan# 713

Delta R.T. 0.00 min

Lab File: VW013454.D

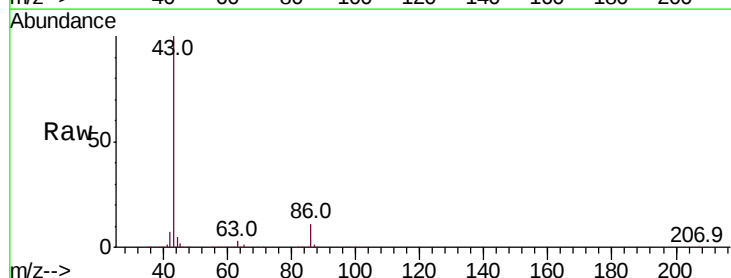
Acq: 07 Oct 2019 11:16

Tgt Ion: 43 Resp: 498153

Ion Ratio Lower Upper

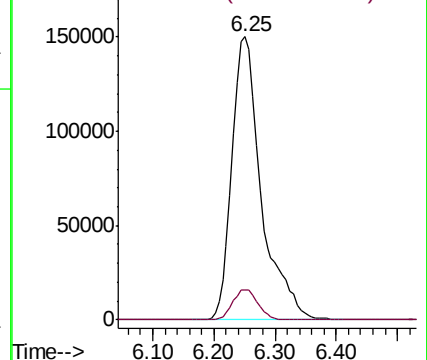
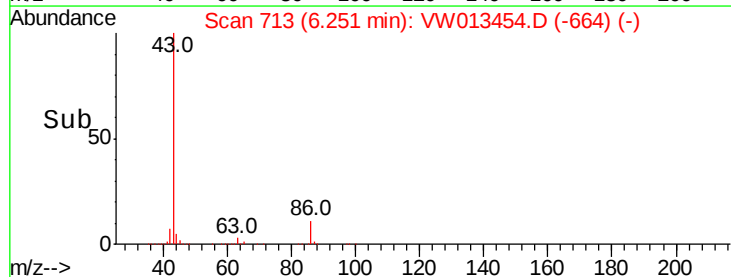
43 100

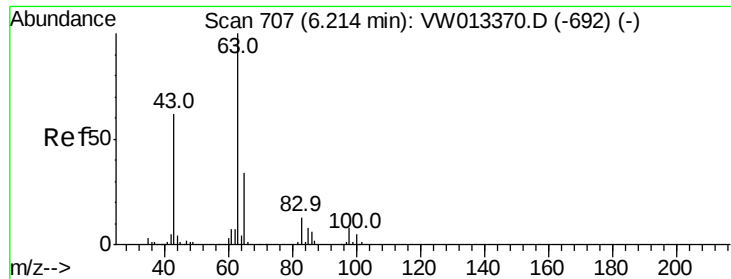
86 10.8 8.3 12.5



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 86.00 (85.70 to 86.70): VW





#24

1,1-Dichloroethane

Concen: 19.884 ug/l

RT: 6.21 min Scan# 706

Delta R.T. -0.01 min

Lab File: VW013454.D

Acq: 07 Oct 2019 11:16

Instrument :

MSVOA_W

ClientSampleId :

VW1007SBS01

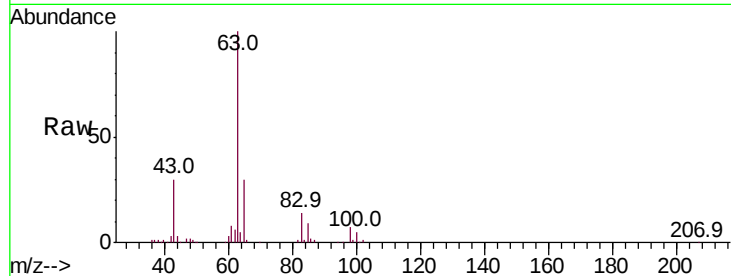
Tot Ion: 63 Resp: 96801

Ion Ratio Lower Upper

63 100

98 7.4 3.5 10.5

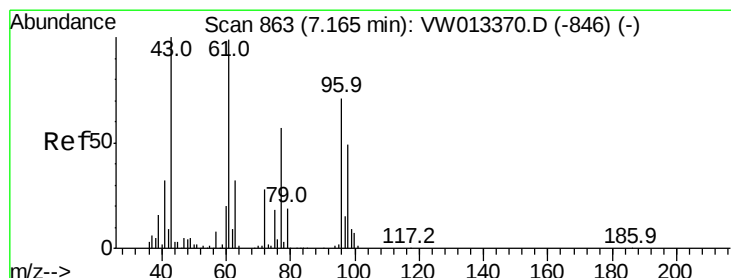
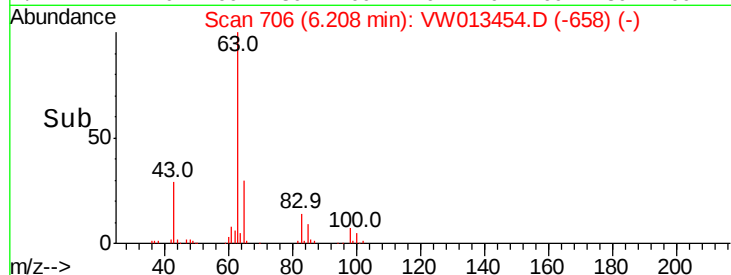
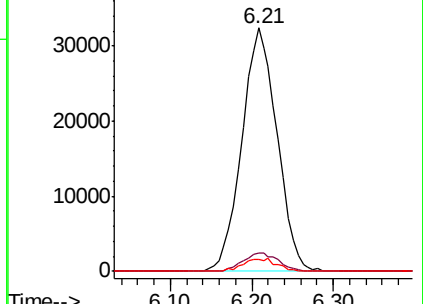
100 5.1 2.4 7.1



Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 97.90 (97.60 to 98.60): VW

Ion 99.90 (99.60 to 100.60): VW



#25

2-Butanone

Concen: 98.177 ug/l

RT: 7.17 min Scan# 864

Delta R.T. 0.01 min

Lab File: VW013454.D

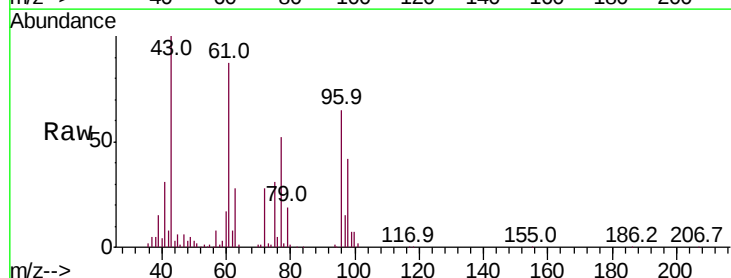
Acq: 07 Oct 2019 11:16

Tgt Ion: 43 Resp: 87384

Ion Ratio Lower Upper

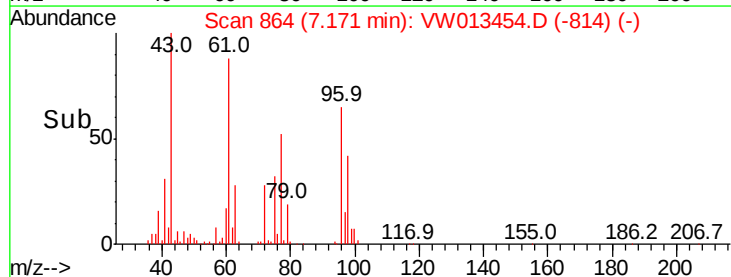
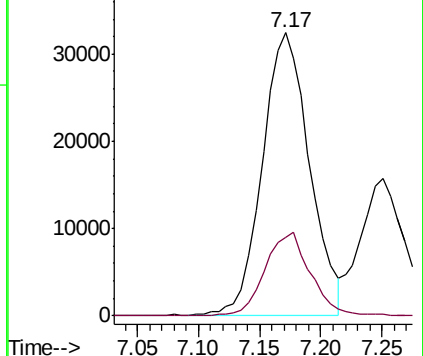
43 100

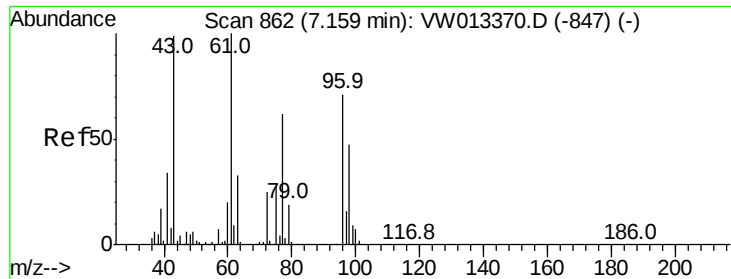
72 27.8 19.4 29.0



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 72.00 (71.70 to 72.70): VW





#26

2,2-Dichloropropane

Concen: 21.079 ug/l

RT: 7.16 min Scan# 862

Delta R.T. 0.00 min

Lab File: VW013454.D

Acq: 07 Oct 2019 11:16

Instrument :

MSVOA_W

ClientSampleId :

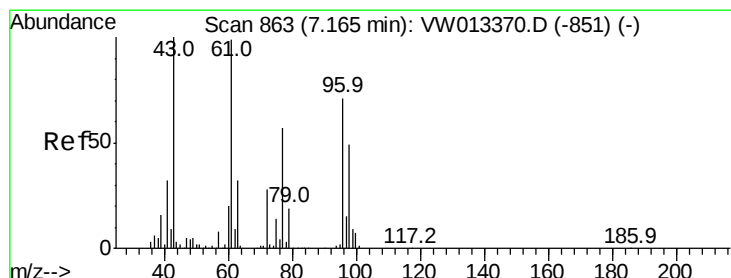
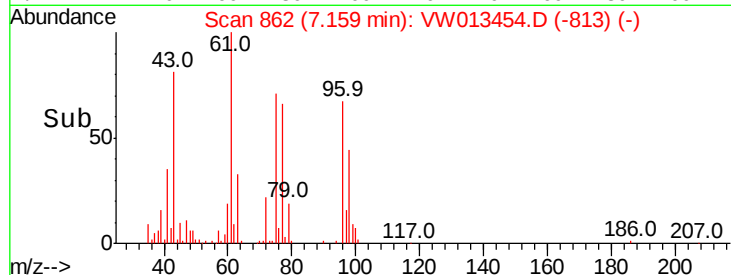
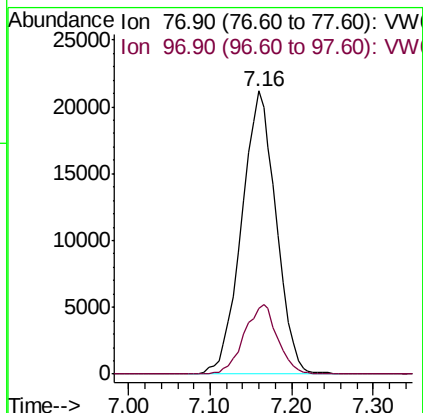
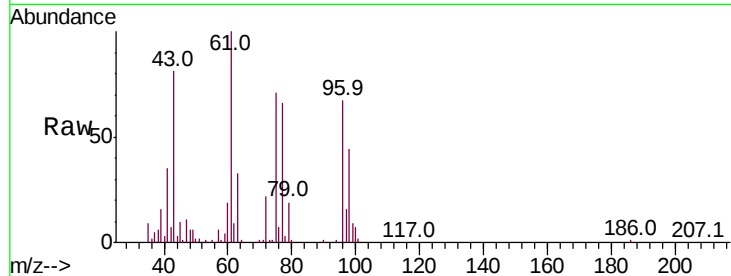
VW1007SBS01

Tot Ion: 77 Resp: 62080

Ion Ratio Lower Upper

77 100

97 23.9 11.8 35.4



#27

cis-1,2-Dichloroethene

Concen: 19.899 ug/l

RT: 7.17 min Scan# 863

Delta R.T. 0.00 min

Lab File: VW013454.D

Acq: 07 Oct 2019 11:16

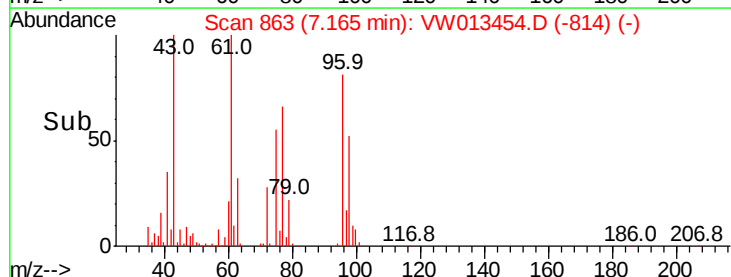
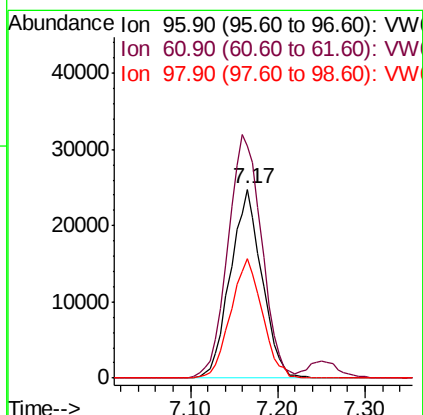
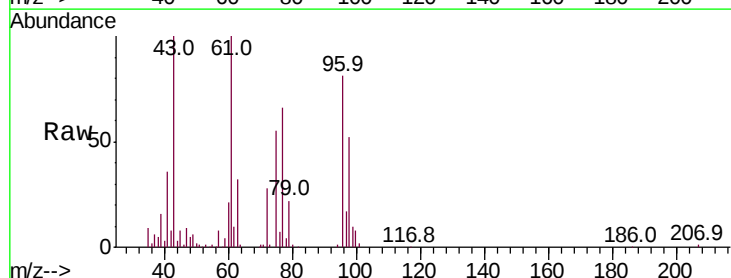
Tgt Ion: 96 Resp: 62060

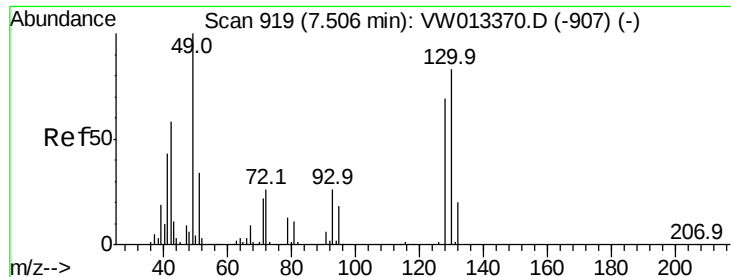
Ion Ratio Lower Upper

96 100

61 137.9 0.0 282.4

98 63.6 0.0 128.2





#28

Bromochloromethane

Concen: 17.651 ug/l

RT: 7.51 min Scan# 919

Delta R.T. 0.00 min

Lab File: VW013454.D

Acq: 07 Oct 2019 11:16

Instrument :

MSVOA_W

ClientSampleId :

VW1007SBS01

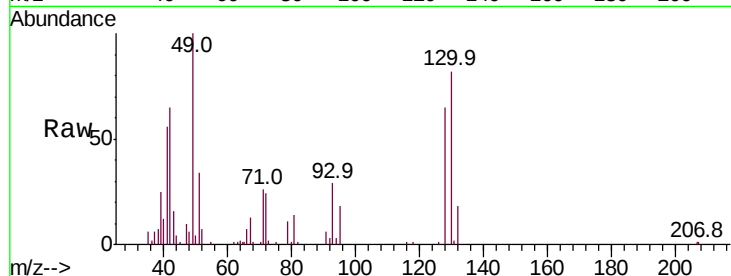
Tot Ion: 49 Resp: 31069

Ion Ratio Lower Upper

49 100

129 0.6 0.0 1.0

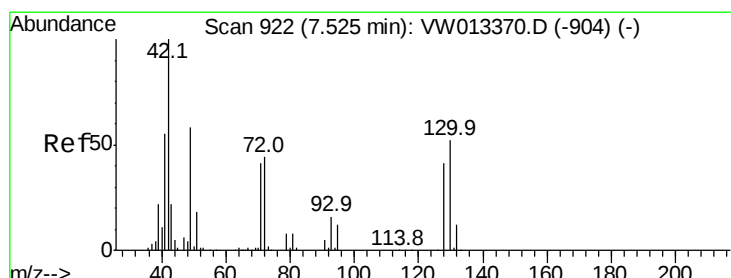
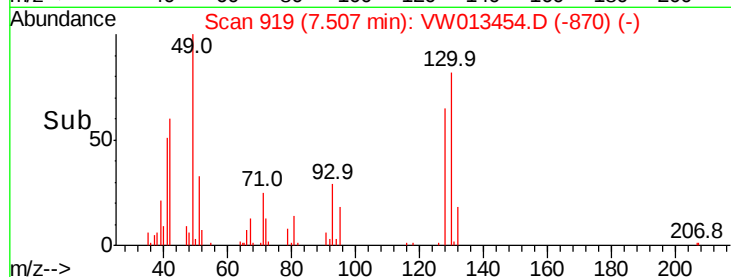
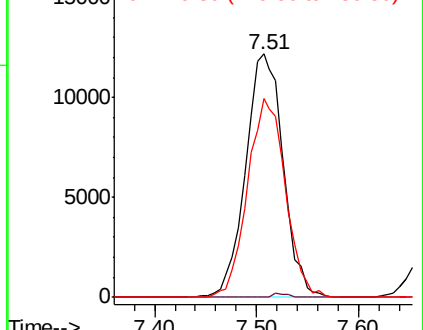
130 82.1 63.4 95.2



Abundance Ion 48.90 (48.60 to 49.60): VW

Ion 128.80 (128.50 to 129.50): VW

Ion 129.80 (129.50 to 130.50): VW



#29

Tetrahydrofuran

Concen: 114.752 ug/l

RT: 7.53 min Scan# 923

Delta R.T. 0.01 min

Lab File: VW013454.D

Acq: 07 Oct 2019 11:16

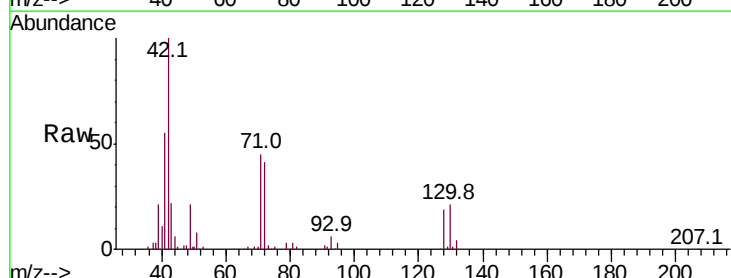
Tgt Ion: 42 Resp: 56583

Ion Ratio Lower Upper

42 100

72 42.5 33.9 50.9

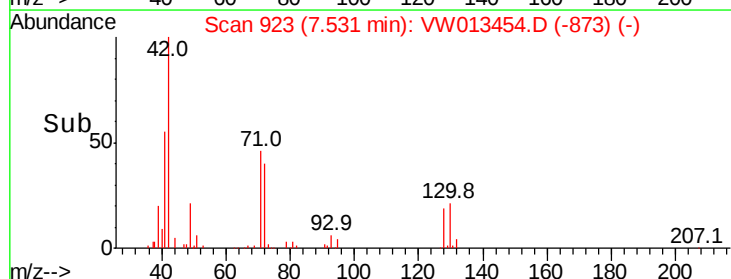
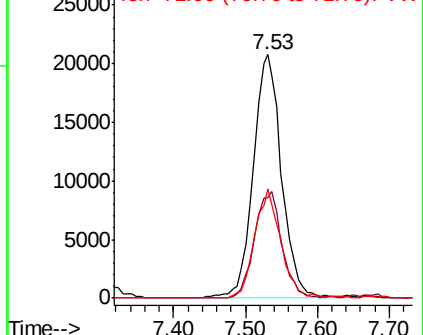
71 41.3 31.9 47.9

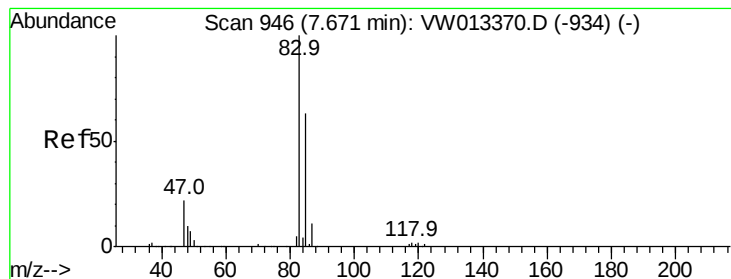


Abundance Ion 42.00 (41.70 to 42.70): VW

Ion 72.00 (71.70 to 72.70): VW

Ion 71.00 (70.70 to 71.70): VW





#30

Chloroform

Concen: 19.278 ug/l

RT: 7.67 min Scan# 946

Delta R.T. 0.00 min

Lab File: VW013454.D

Acq: 07 Oct 2019 11:16

Instrument :

MSVOA_W

ClientSampleId :

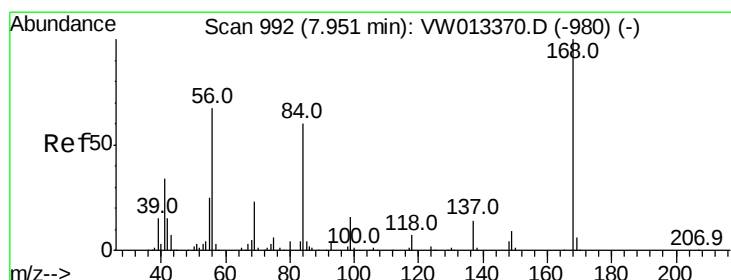
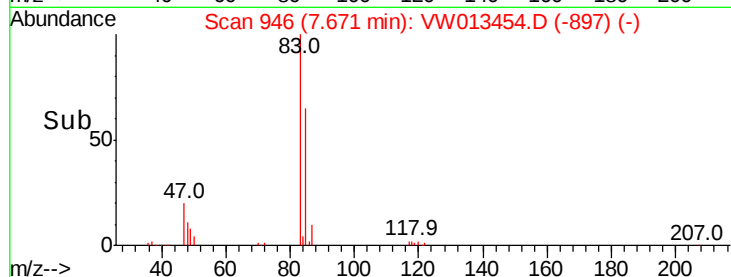
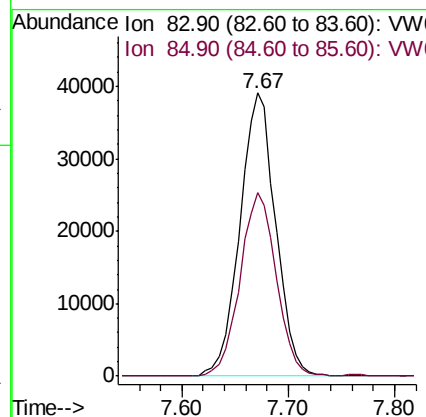
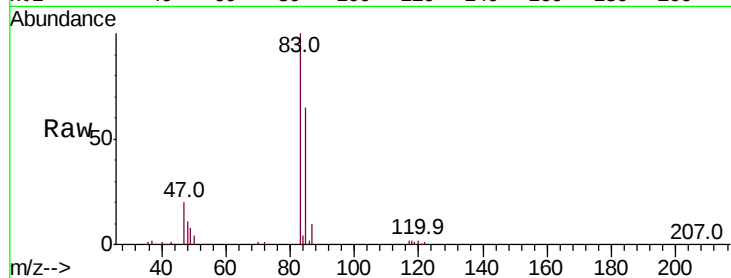
VW1007SBS01

Tot Ion: 83 Resp: 92030

Ion Ratio Lower Upper

83 100

85 64.9 52.3 78.5



#31

Cyclohexane

Concen: 20.080 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.00 min

Lab File: VW013454.D

Acq: 07 Oct 2019 11:16

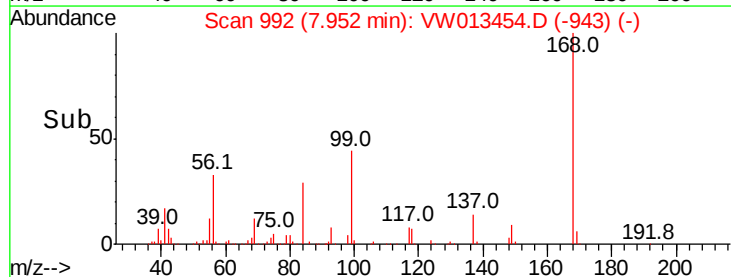
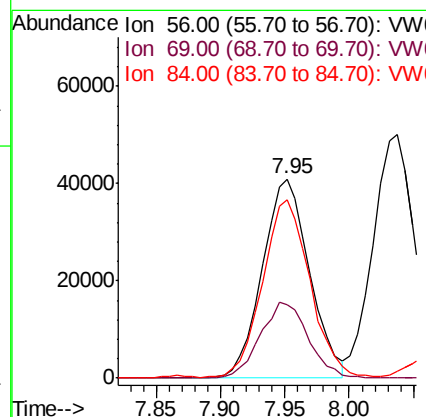
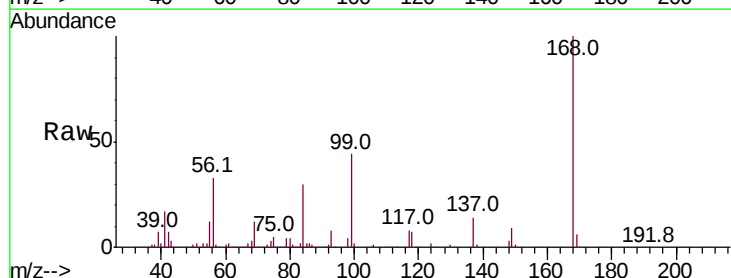
Tgt Ion: 56 Resp: 104252

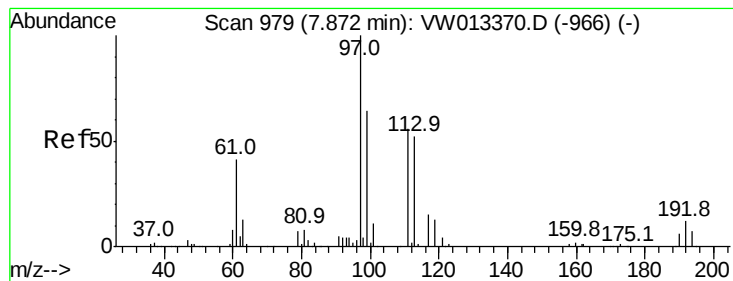
Ion Ratio Lower Upper

56 100

69 37.1 27.2 40.8

84 89.0 70.8 106.2





#32

1,1,1-Trichloroethane

Concen: 20.441 ug/l

RT: 7.87 min Scan# 978

Delta R.T. -0.01 min

Lab File: VW013454.D

Acq: 07 Oct 2019 11:16

Instrument :

MSVOA_W

ClientSampleId :

VW1007SBS01

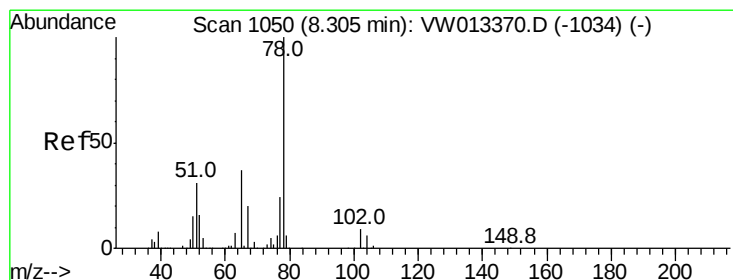
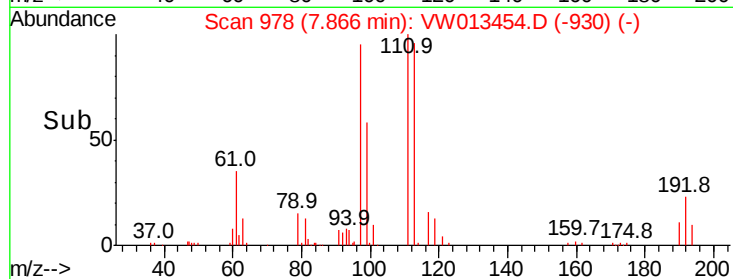
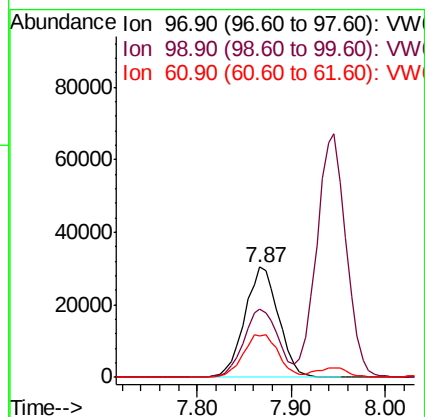
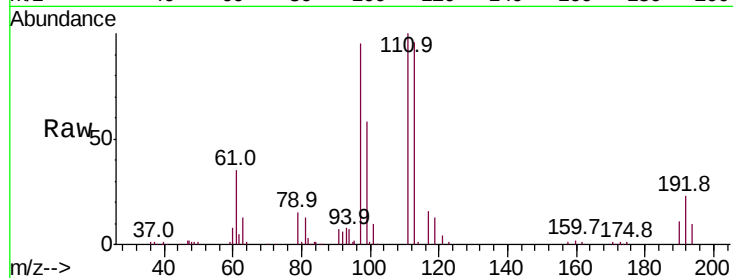
Tot Ion: 97 Resp: 76447

Ion Ratio Lower Upper

97 100

99 63.4 51.7 77.5

61 40.7 34.6 51.8



#33

1,2-Dichloroethane-d4

Concen: 49.511 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. 0.00 min

Lab File: VW013454.D

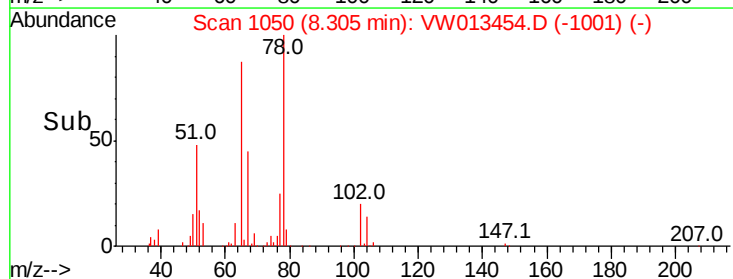
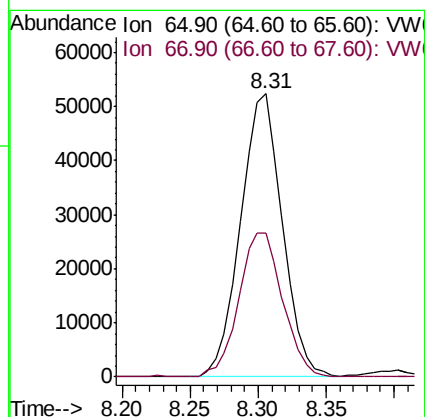
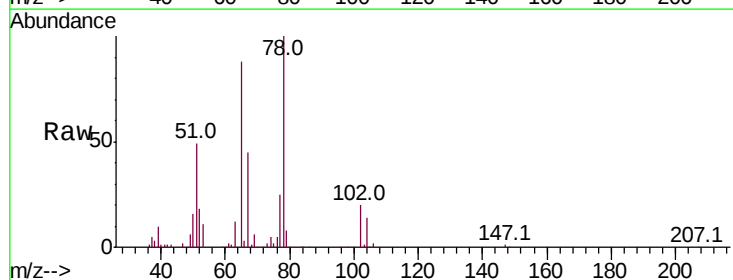
Acq: 07 Oct 2019 11:16

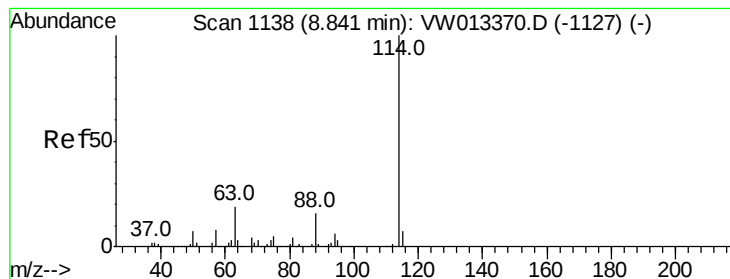
Tgt Ion: 65 Resp: 112358

Ion Ratio Lower Upper

65 100

67 53.4 0.0 106.2





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.84 min Scan# 1138

Delta R.T. 0.00 min

Lab File: VW013454.D

Acq: 07 Oct 2019 11:16

Instrument :

MSVOA_W

ClientSampleId :

VW1007SBS01

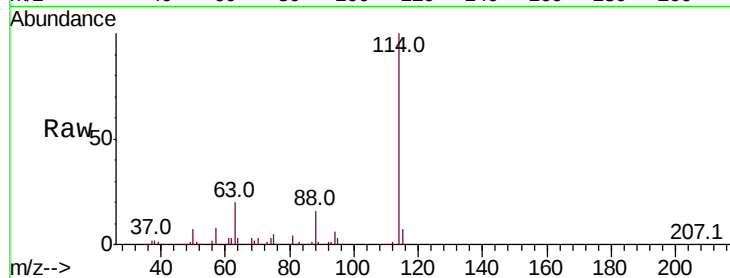
Tot Ion:114 Resp: 418949

Ion Ratio Lower Upper

114 100

63 19.5 0.0 41.4

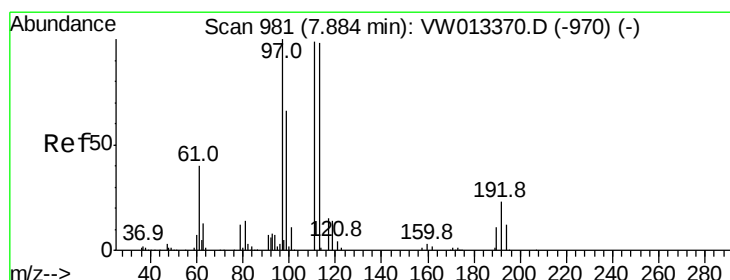
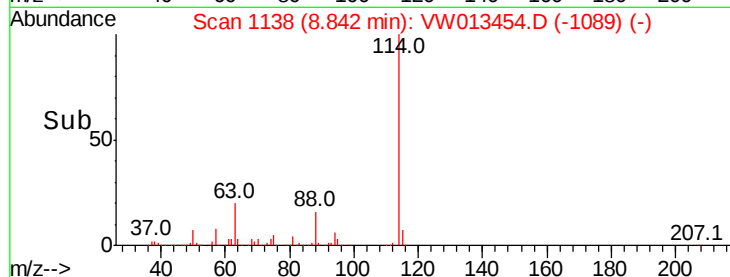
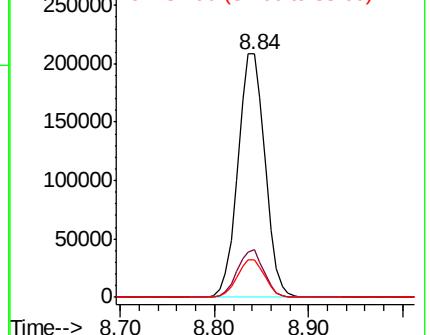
88 15.5 0.0 32.0



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VW

Ion 87.90 (87.60 to 88.60): VW



#35

Dibromofluoromethane

Concen: 51.634 ug/l

RT: 7.88 min Scan# 980

Delta R.T. -0.01 min

Lab File: VW013454.D

Acq: 07 Oct 2019 11:16

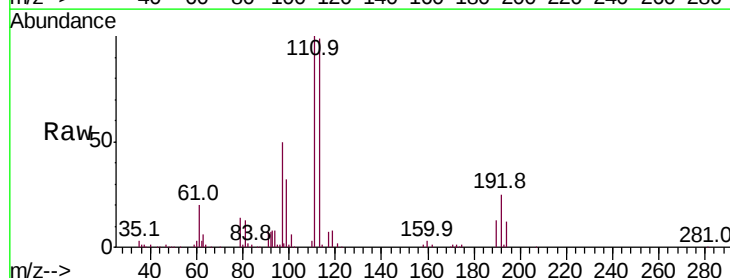
Tgt Ion:113 Resp: 113509

Ion Ratio Lower Upper

113 100

111 101.0 81.9 122.9

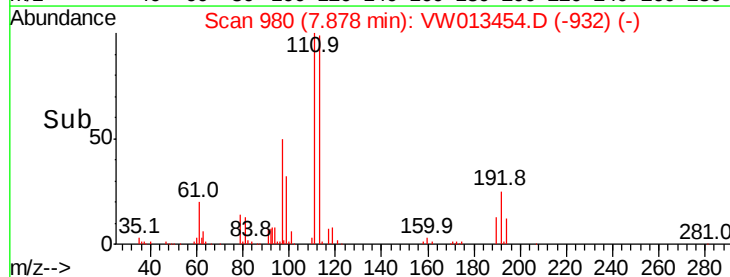
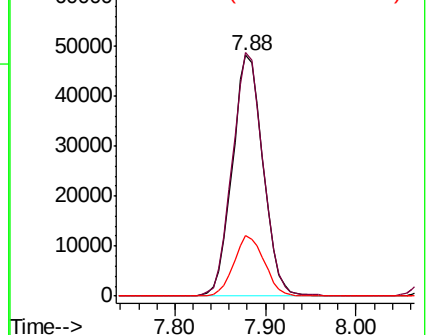
192 24.9 19.1 28.7

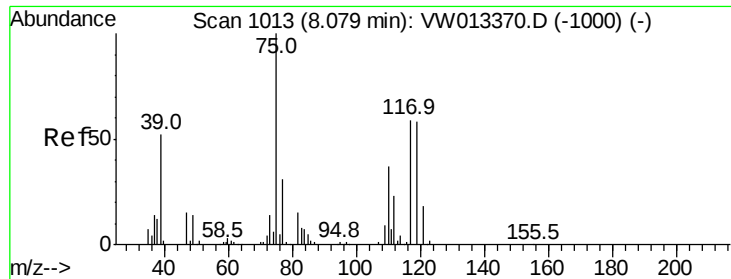


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

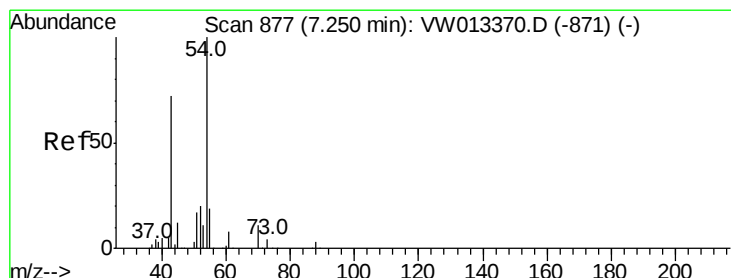
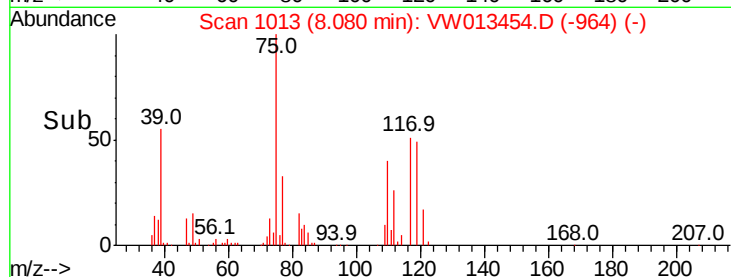
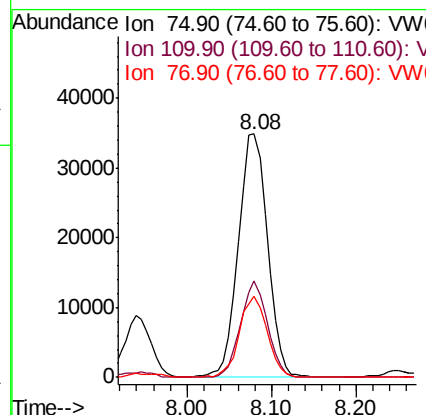
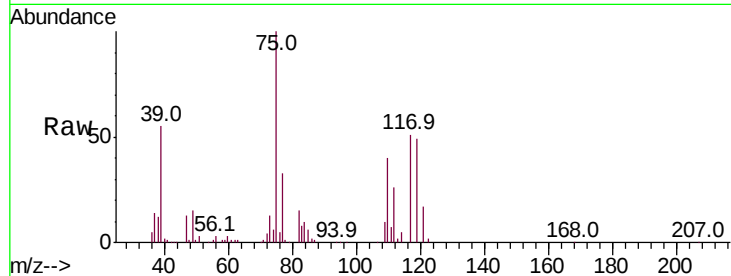




#36
 1,1-Dichloropropene
 Concen: 21.030 ug/l
 RT: 8.08 min Scan# 1013
 Delta R.T. 0.00 min
 Lab File: VW013454.D
 Acq: 07 Oct 2019 11:16

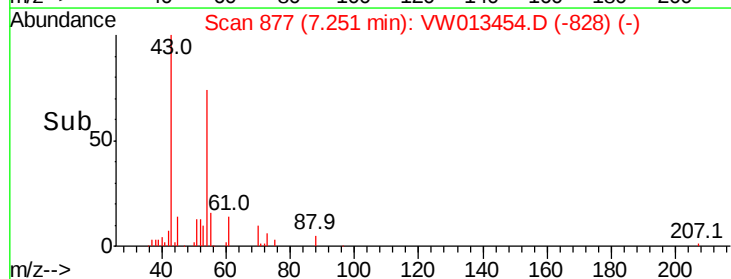
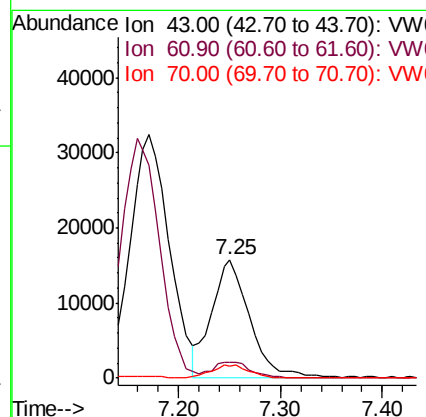
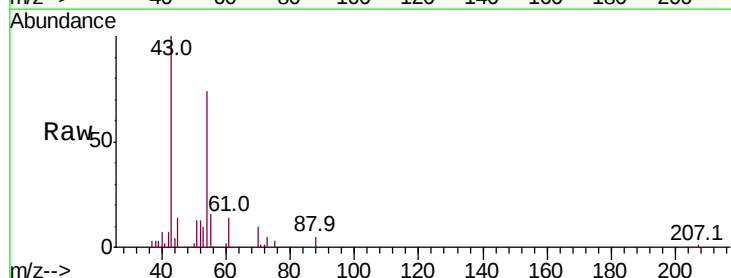
Instrument :
 MSVOA_W
 ClientSampleId :
 VW1007SBS01

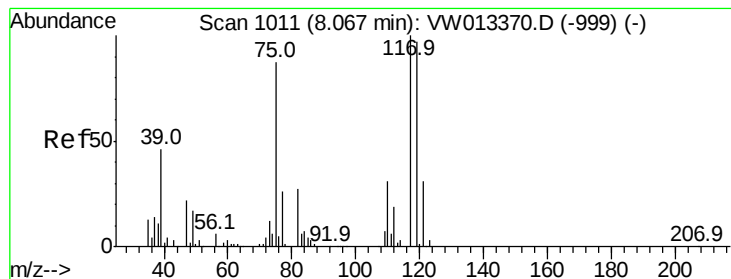
Tot Ion: 75 Resp: 81832
 Ion Ratio Lower Upper
 75 100
 110 36.3 18.1 54.3
 77 31.8 25.8 38.6



#37
 Ethyl Acetate
 Concen: 23.787 ug/l
 RT: 7.25 min Scan# 877
 Delta R.T. 0.00 min
 Lab File: VW013454.D
 Acq: 07 Oct 2019 11:16

Tgt Ion: 43 Resp: 40716
 Ion Ratio Lower Upper
 43 100
 61 13.5 10.9 16.3
 70 10.9 8.2 12.2





#38

Carbon Tetrachloride

Concen: 20.979 ug/l

RT: 8.06 min Scan# 1010

Delta R.T. -0.01 min

Lab File: VW013454.D

Acq: 07 Oct 2019 11:16

Instrument :

MSVOA_W

ClientSampleId :

VW1007SBS01

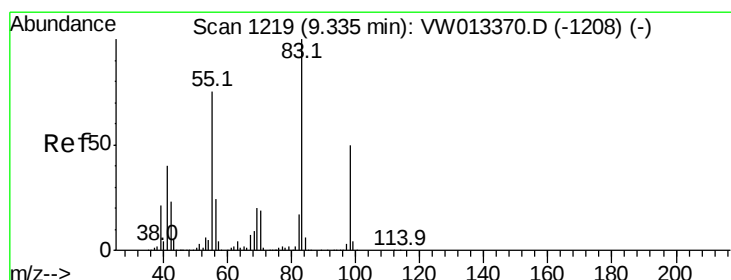
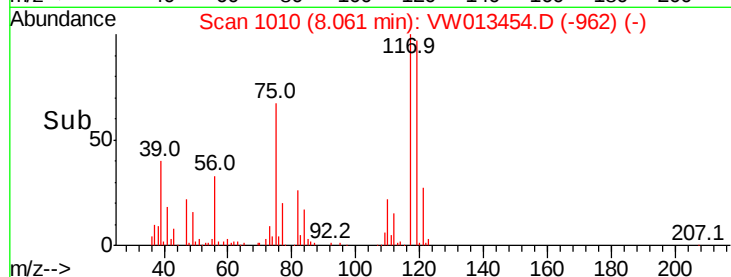
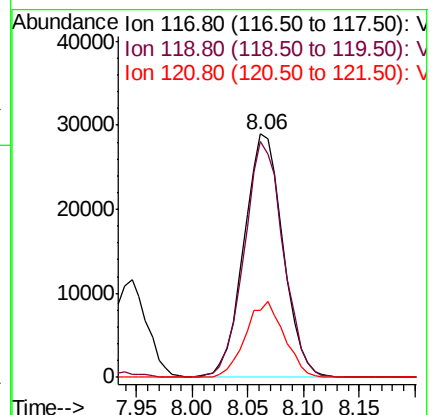
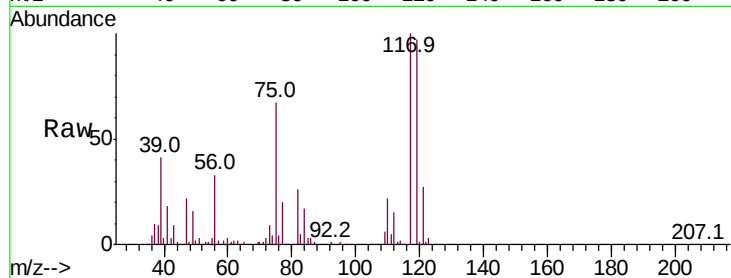
Tot Ion:117 Resp: 70716

Ion Ratio Lower Upper

117 100

119 96.8 73.5 110.3

121 27.3 25.0 37.6



#39

Methylcyclohexane

Concen: 20.856 ug/l

RT: 9.33 min Scan# 1218

Delta R.T. -0.01 min

Lab File: VW013454.D

Acq: 07 Oct 2019 11:16

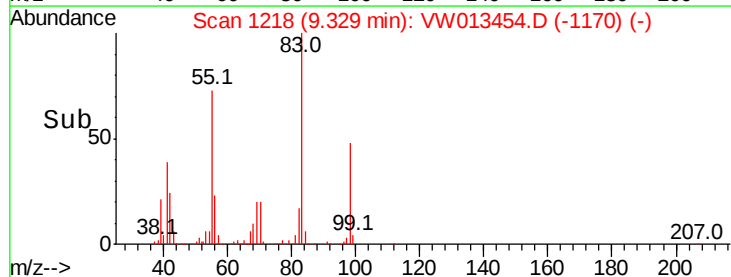
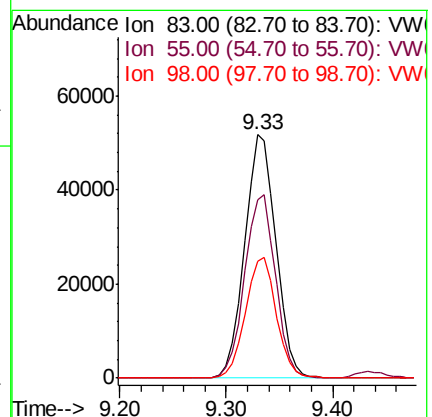
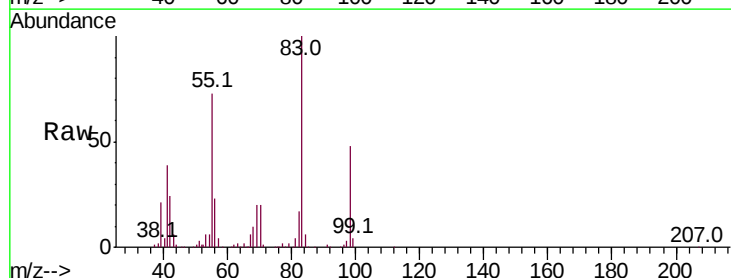
Tgt Ion: 83 Resp: 106880

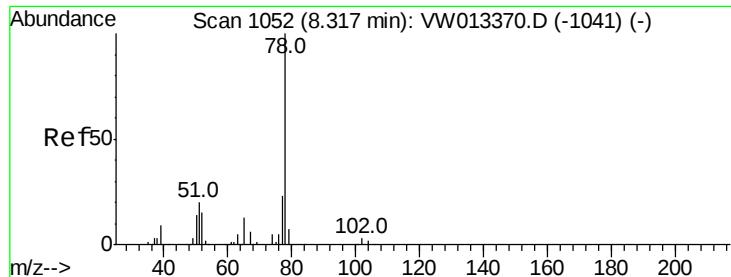
Ion Ratio Lower Upper

83 100

55 73.1 60.4 90.6

98 47.9 40.0 60.0





#40

Benzene

Concen: 20.402 ug/l

RT: 8.32 min Scan# 1053

Delta R.T. 0.01 min

Lab File: VW013454.D

Acq: 07 Oct 2019 11:16

Instrument :

MSVOA_W

ClientSampleId :

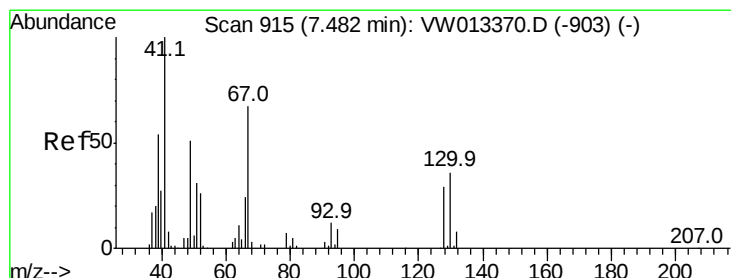
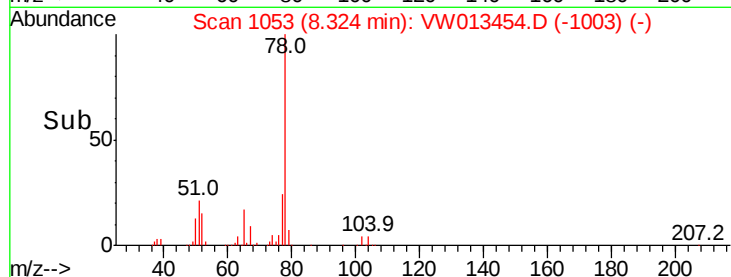
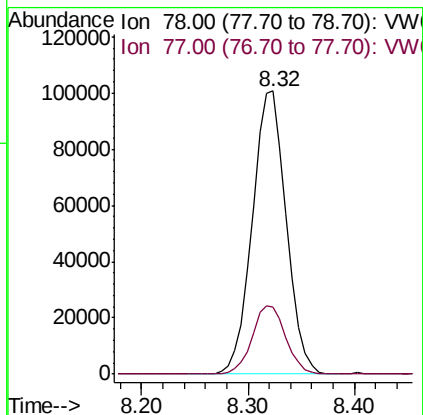
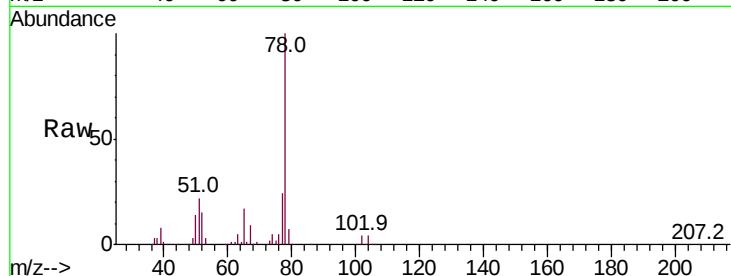
VW1007SBS01

Tot Ion: 78 Resp: 224731

Ion Ratio Lower Upper

78 100

77 23.8 19.1 28.7



#41

Methacrylonitrile

Concen: 21.692 ug/l

RT: 7.48 min Scan# 915

Delta R.T. 0.00 min

Lab File: VW013454.D

Acq: 07 Oct 2019 11:16

Tgt Ion: 41 Resp: 22461

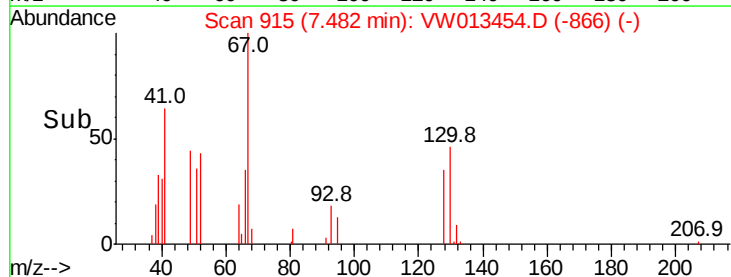
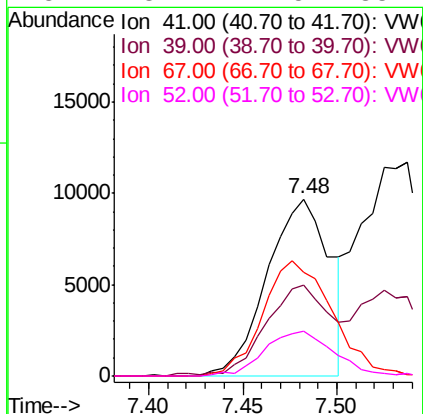
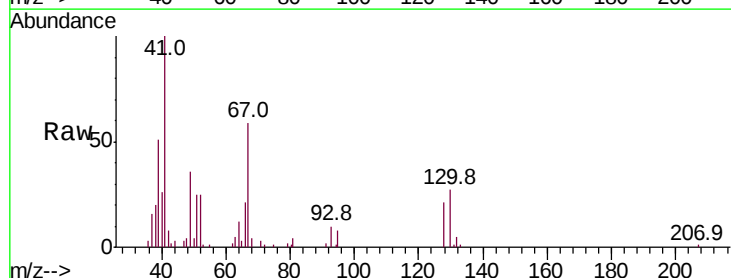
Ion Ratio Lower Upper

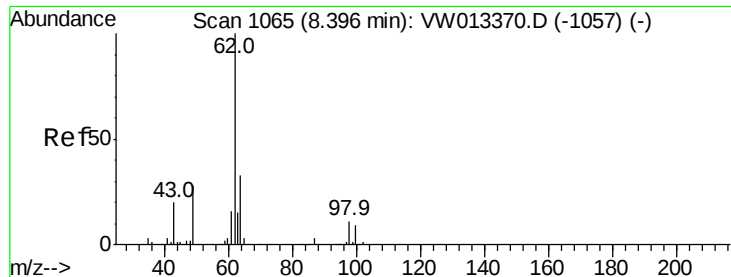
41 100

39 51.9 45.9 68.9

67 71.7 54.5 81.7

52 28.2 22.5 33.7





#42

1,2-Dichloroethane

Concen: 20.838 ug/l

RT: 8.40 min Scan# 1065

Delta R.T. 0.00 min

Lab File: VW013454.D

Acq: 07 Oct 2019 11:16

Instrument :

MSVOA_W

ClientSampleId :

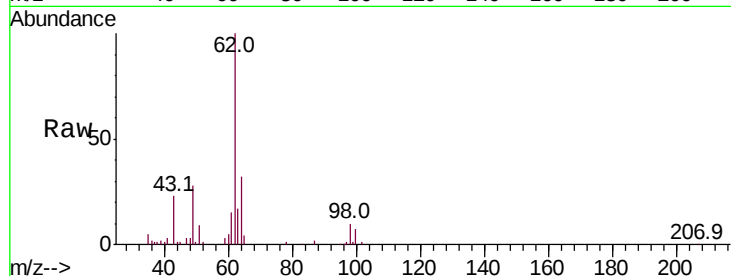
VW1007SBS01

Tot Ion: 62 Resp: 58993

Ion Ratio Lower Upper

62 100

98 10.9 0.0 20.6



Abundance Ion 61.90 (61.60 to 62.60): VW

Ion 97.90 (97.60 to 98.60): VW

8.40

30000

25000

20000

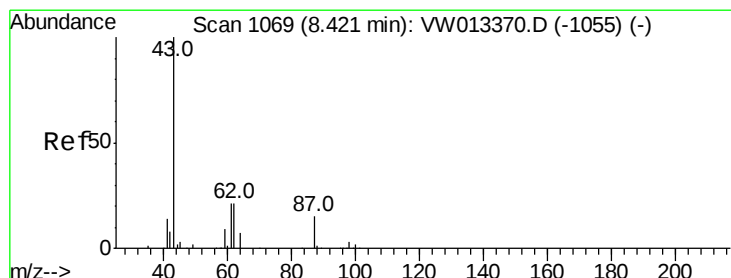
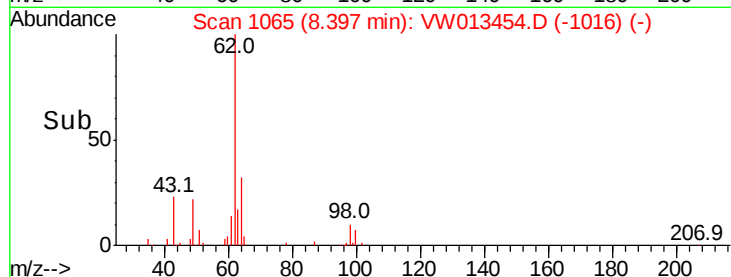
15000

10000

5000

0

Time--> 8.30 8.35 8.40 8.45 8.50



#43

Isopropyl Acetate

Concen: 21.911 ug/l

RT: 8.42 min Scan# 1069

Delta R.T. 0.00 min

Lab File: VW013454.D

Acq: 07 Oct 2019 11:16

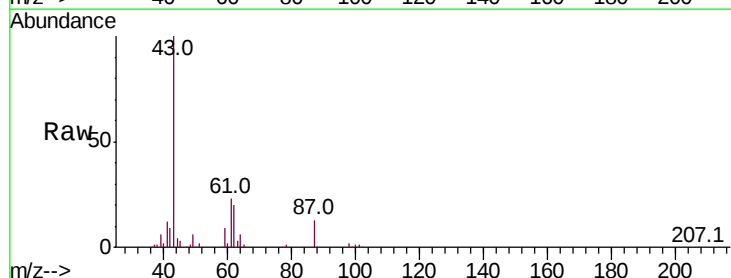
Tgt Ion: 43 Resp: 70822

Ion Ratio Lower Upper

43 100

61 31.2 25.5 38.3

87 13.6 11.0 16.4



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

8.42

40000

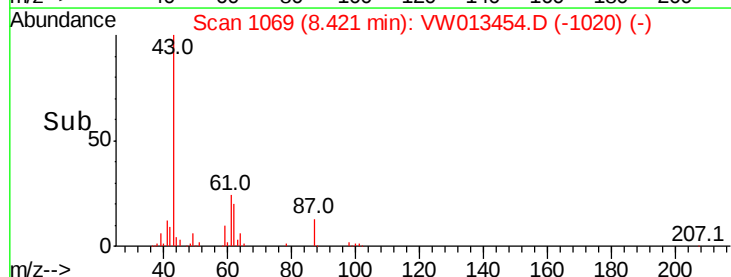
30000

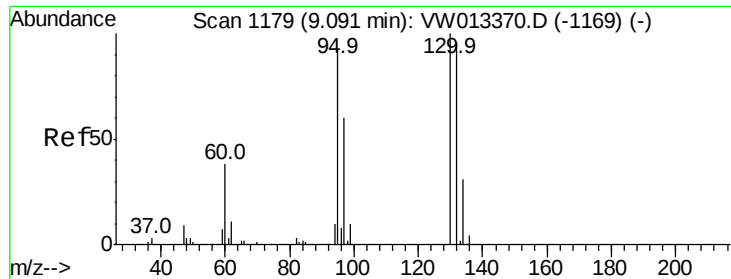
20000

10000

0

Time--> 8.30 8.40 8.50

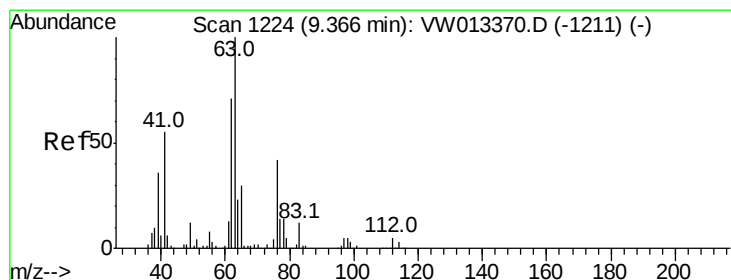
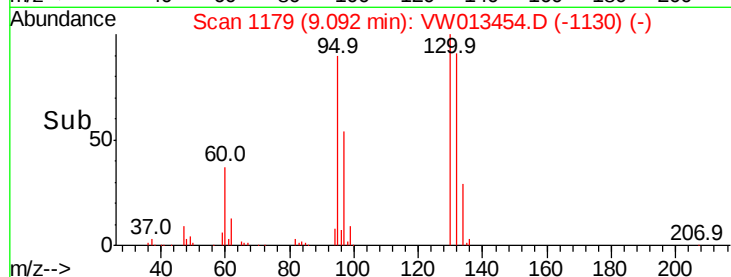
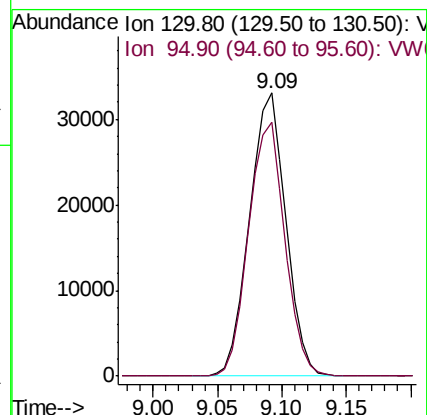
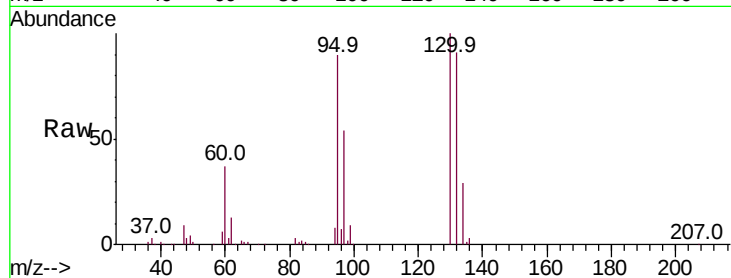




#44
 Trichloroethene
 Concen: 20.773 ug/l
 RT: 9.09 min Scan# 1179
 Delta R.T. 0.00 min
 Lab File: VW013454.D
 Acq: 07 Oct 2019 11:16

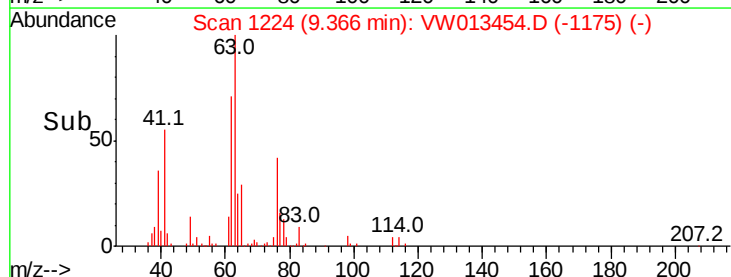
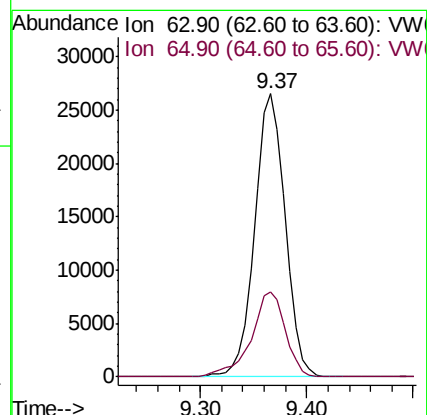
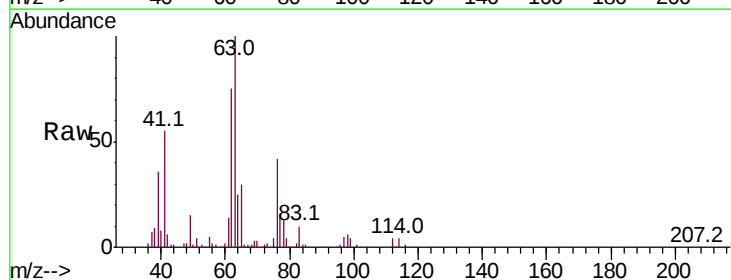
Instrument :
 MSVOA_W
 ClientSampleId :
 VW1007SBS01

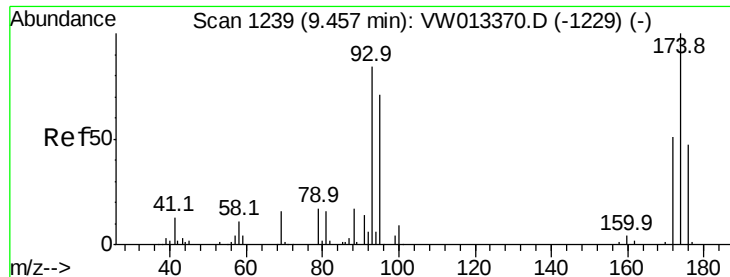
Tot Ion:130 Resp: 64435
 Ion Ratio Lower Upper
 130 100
 95 89.8 0.0 188.0



#45
 1,2-Dichloropropane
 Concen: 20.117 ug/l
 RT: 9.37 min Scan# 1224
 Delta R.T. 0.00 min
 Lab File: VW013454.D
 Acq: 07 Oct 2019 11:16

Tgt Ion: 63 Resp: 53204
 Ion Ratio Lower Upper
 63 100
 65 30.0 25.3 37.9





#46

Dibromomethane

Concen: 20.234 ug/l

RT: 9.46 min Scan# 1239

Delta R.T. 0.00 min

Lab File: VW013454.D

Acq: 07 Oct 2019 11:16

Instrument :

MSVOA_W

ClientSampleId :

VW1007SBS01

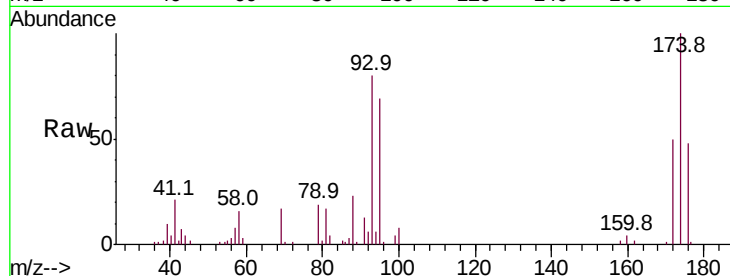
Tot Ion: 93 Resp: 26655

Ion Ratio Lower Upper

93 100

95 86.9 66.4 99.6

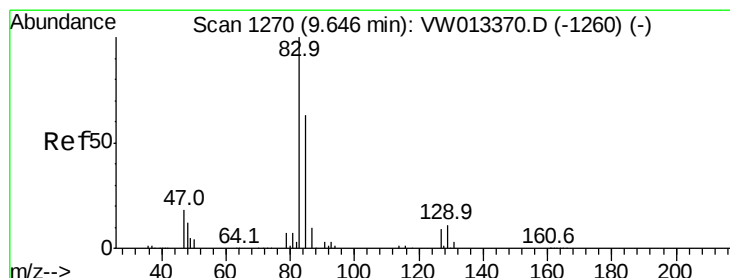
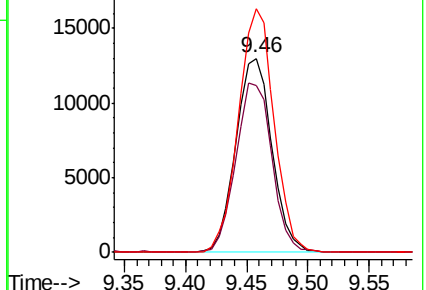
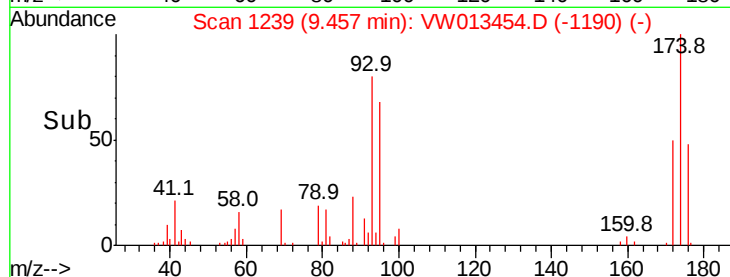
174 123.6 93.0 139.6



Abundance Ion 92.80 (92.50 to 93.50): VW

Ion 94.80 (94.50 to 95.50): VW

Ion 173.70 (173.40 to 174.40): V



#47

Bromodichloromethane

Concen: 20.609 ug/l

RT: 9.64 min Scan# 1269

Delta R.T. -0.01 min

Lab File: VW013454.D

Acq: 07 Oct 2019 11:16

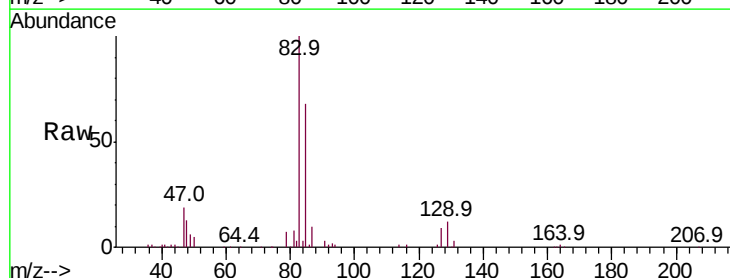
Tgt Ion: 83 Resp: 66834

Ion Ratio Lower Upper

83 100

85 67.7 49.4 74.2

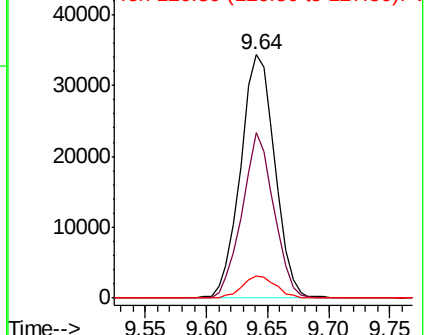
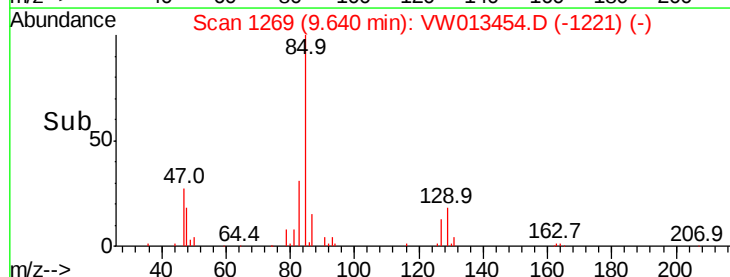
127 8.9 6.5 9.7

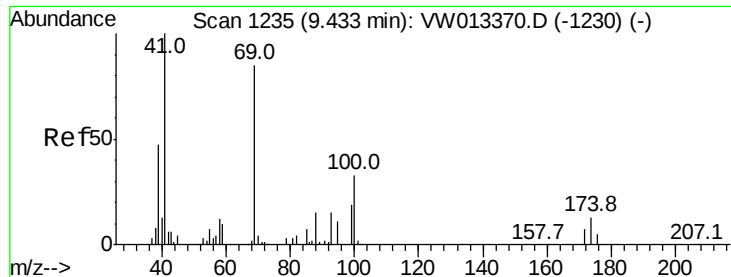


Abundance Ion 82.90 (82.60 to 83.60): VW

Ion 84.90 (84.60 to 85.60): VW

Ion 126.80 (126.50 to 127.50): V





#48

Methyl methacrylate

Concen: 22.631 ug/l

RT: 9.43 min Scan# 1235

Delta R.T. 0.00 min

Lab File: VW013454.D

Acq: 07 Oct 2019 11:16

Instrument :

MSVOA_W

ClientSampled :

VW1007SBS01

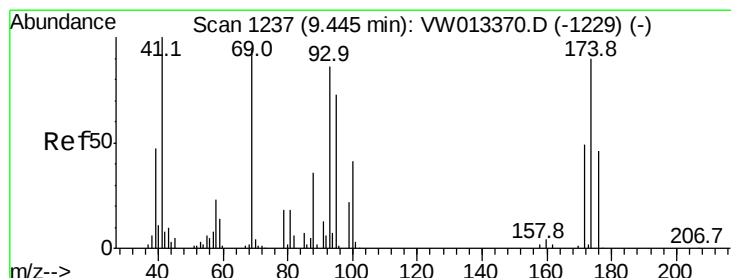
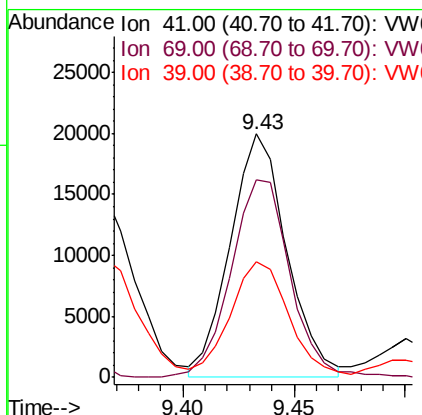
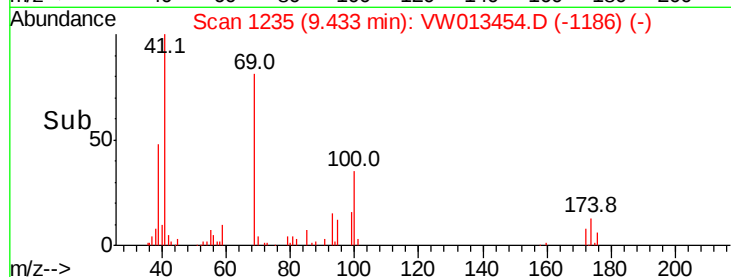
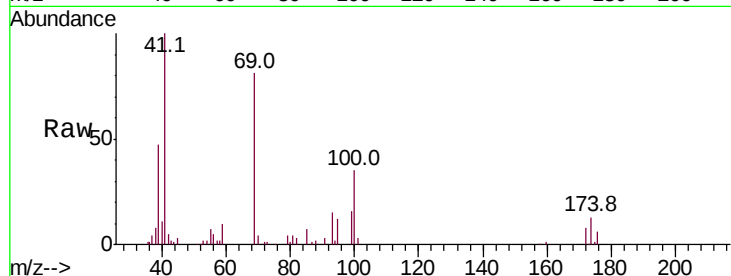
Tot Ion: 41 Resp: 35147

Ion Ratio Lower Upper

41 100

69 85.8 69.7 104.5

39 46.2 41.1 61.7



#49

1,4-Dioxane

Concen: 527.087 ug/l

RT: 9.46 min Scan# 1240

Delta R.T. 0.02 min

Lab File: VW013454.D

Acq: 07 Oct 2019 11:16

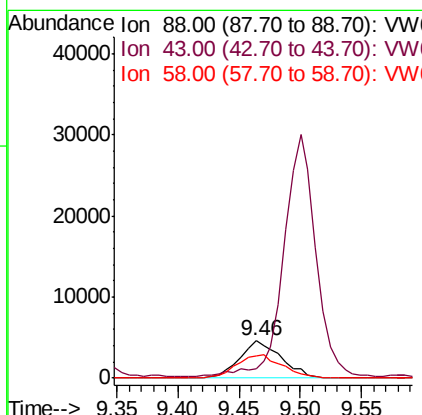
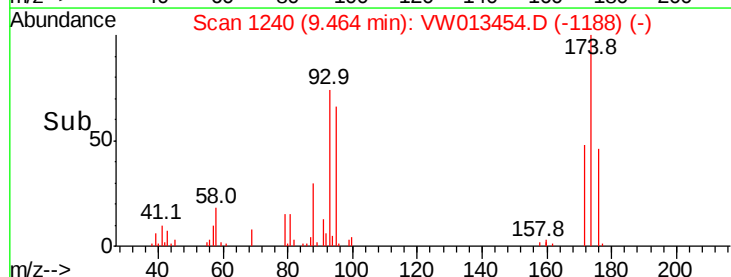
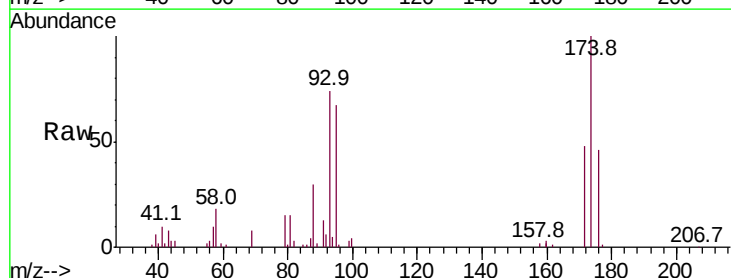
Tgt Ion: 88 Resp: 10908

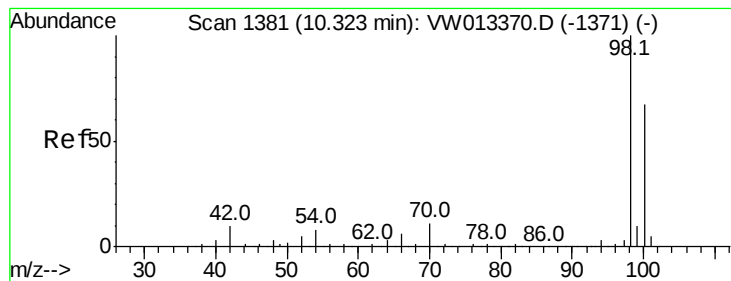
Ion Ratio Lower Upper

88 100

43 0.0 0.0 0.0

58 67.7 65.4 98.0





#50

Toluene-d8

Concen: 52.149 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. 0.00 min

Lab File: VW013454.D

Acq: 07 Oct 2019 11:16

Instrument :

MSVOA_W

ClientSampleId :

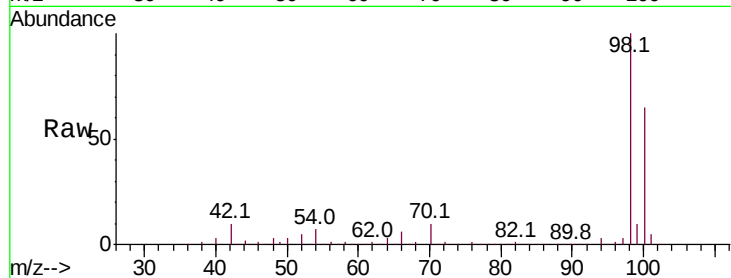
VW1007SBS01

Tot Ion: 98 Resp: 475740

Ion Ratio Lower Upper

98 100

100 66.2 52.9 79.3



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW

10.32

250000

200000

150000

100000

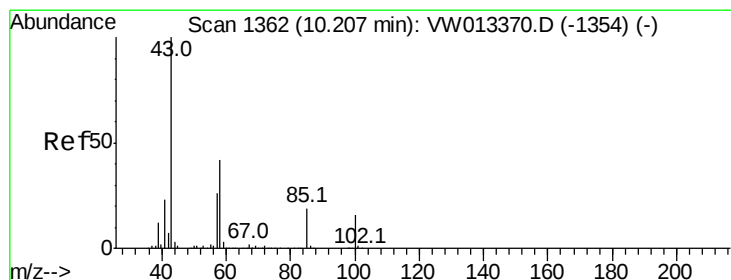
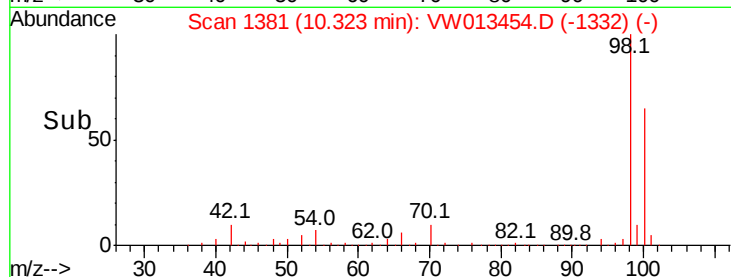
50000

0

Time-->

10.30

10.40



#51

4-Methyl-2-Pentanone

Concen: 110.678 ug/l

RT: 10.21 min Scan# 1362

Delta R.T. 0.00 min

Lab File: VW013454.D

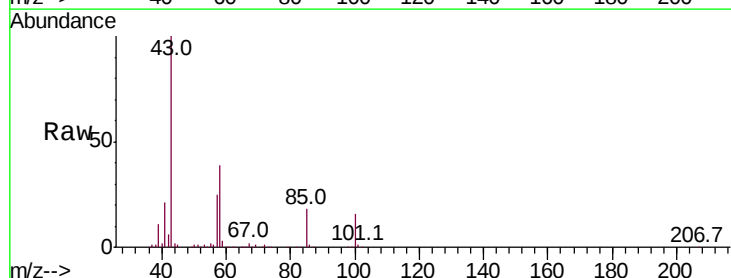
Acq: 07 Oct 2019 11:16

Tgt Ion: 43 Resp: 187955

Ion Ratio Lower Upper

43 100

58 40.2 31.7 47.5



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

10.21

120000

100000

80000

60000

40000

20000

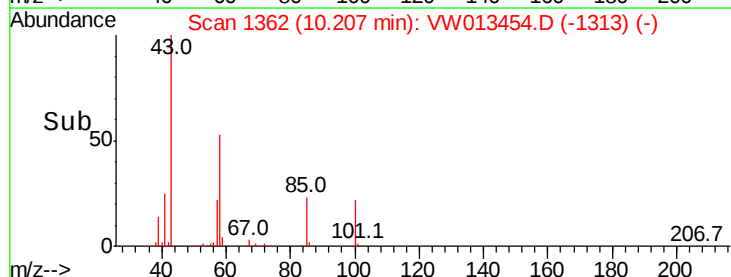
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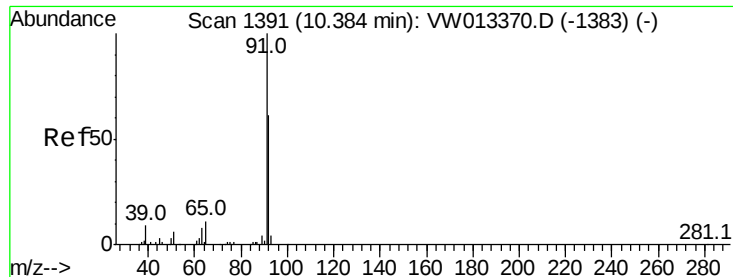
Time-->

10.10

10.20

10.30





#52

Toluene

Concen: 20.551 ug/l

RT: 10.38 min Scan# 1391

Delta R.T. 0.00 min

Lab File: VW013454.D

Acq: 07 Oct 2019 11:16

Instrument :

MSVOA_W

ClientSampleId :

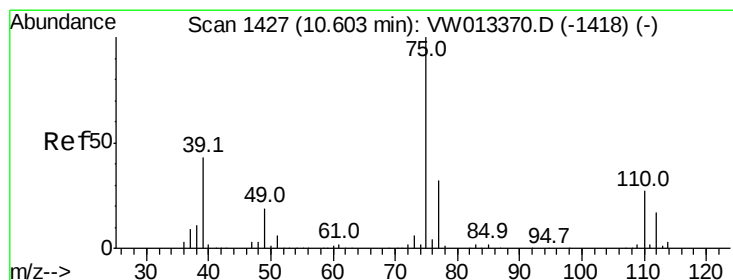
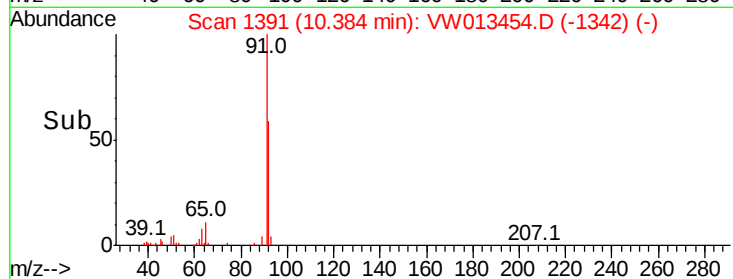
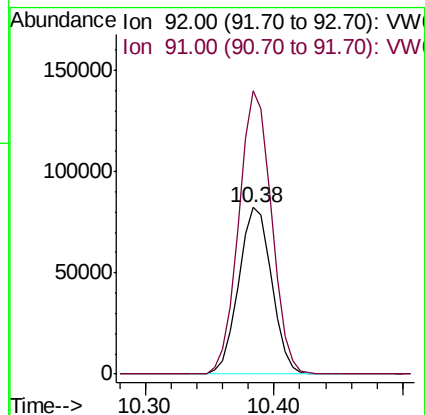
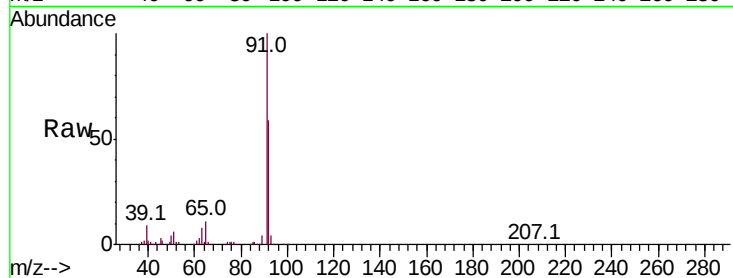
VW1007SBS01

Tot Ion: 92 Resp: 146013

Ion Ratio Lower Upper

92 100

91 168.5 135.7 203.5



#53

t-1,3-Dichloropropene

Concen: 20.881 ug/l

RT: 10.60 min Scan# 1427

Delta R.T. 0.00 min

Lab File: VW013454.D

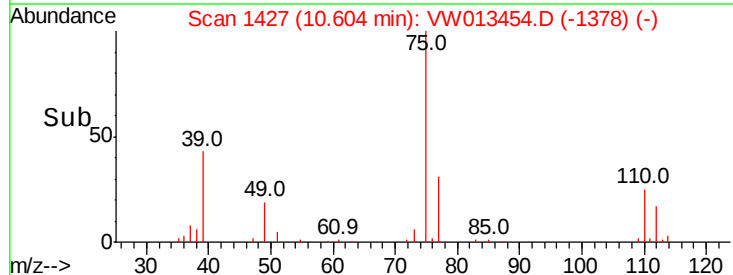
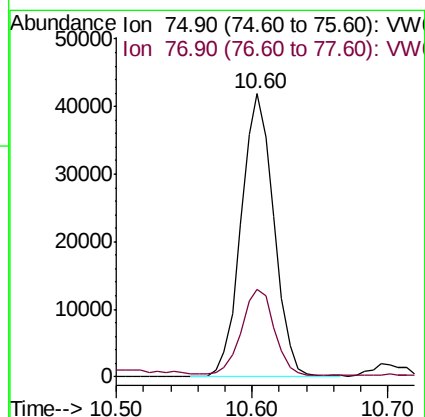
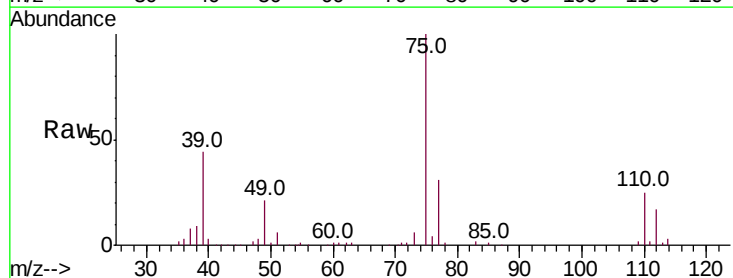
Acq: 07 Oct 2019 11:16

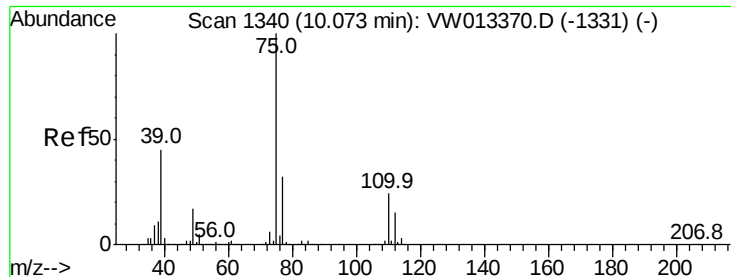
Tgt Ion: 75 Resp: 70436

Ion Ratio Lower Upper

75 100

77 30.5 25.5 38.3

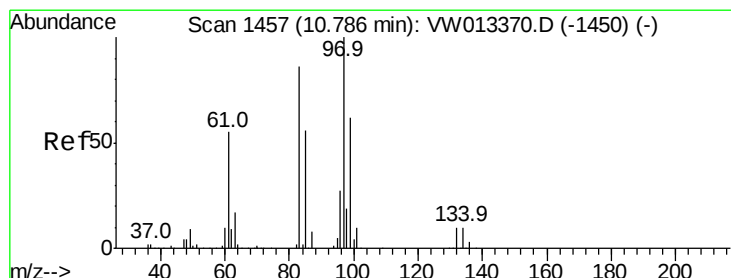
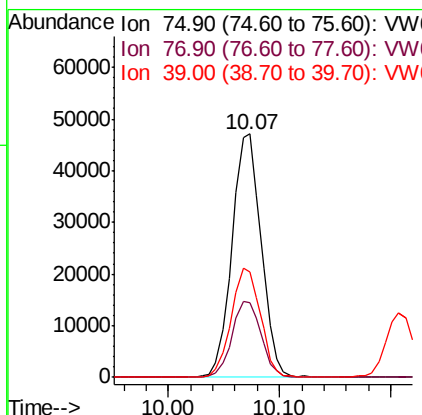
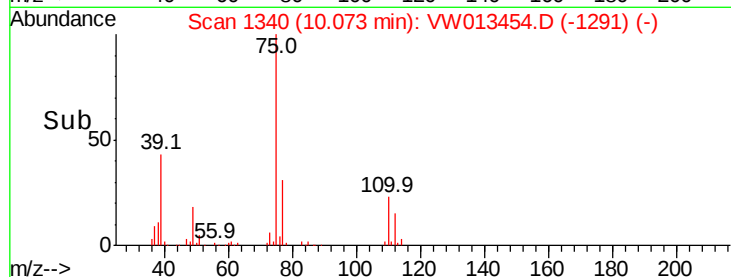
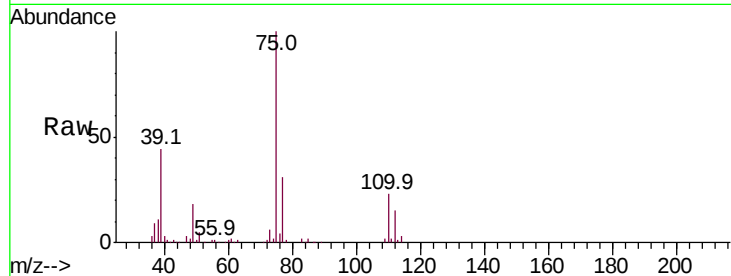




#54
 cis-1,3-Dichloropropene
 Concen: 20.898 ug/l
 RT: 10.07 min Scan# 1340
 Delta R.T. 0.00 min
 Lab File: VW013454.D
 Acq: 07 Oct 2019 11:16

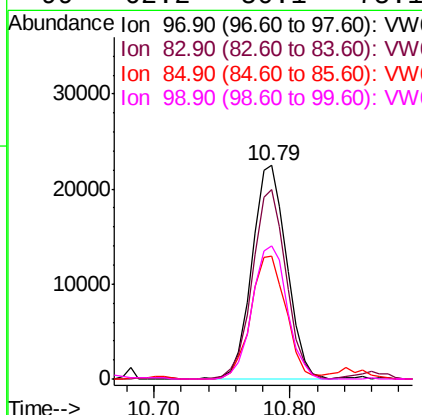
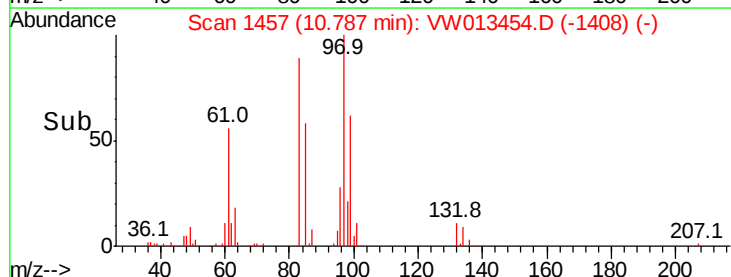
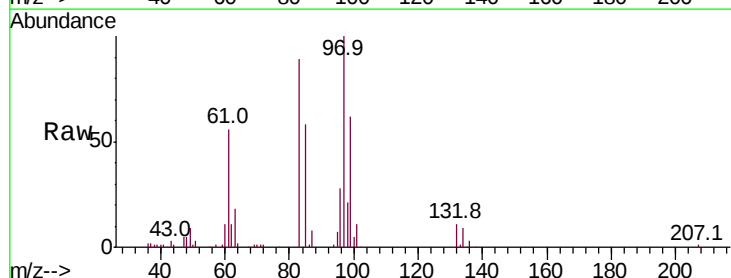
Instrument :
 MSVOA_W
 ClientSampleId :
 VW1007SBS01

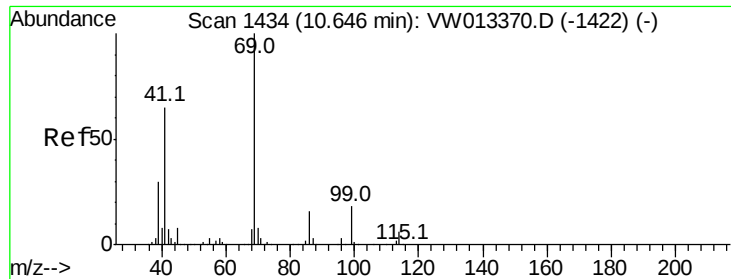
Tot Ion: 75 Resp: 85469
 Ion Ratio Lower Upper
 75 100
 77 30.7 25.2 37.8
 39 43.5 36.6 55.0



#55
 1,1,2-Trichloroethane
 Concen: 20.478 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. 0.00 min
 Lab File: VW013454.D
 Acq: 07 Oct 2019 11:16

Tgt Ion: 97 Resp: 40243
 Ion Ratio Lower Upper
 97 100
 83 88.5 67.6 101.4
 85 57.7 41.9 62.9
 99 62.2 50.1 75.1

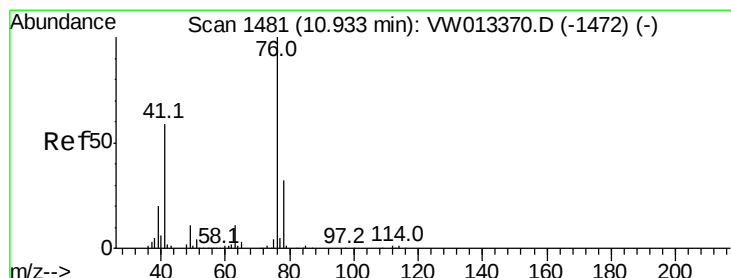
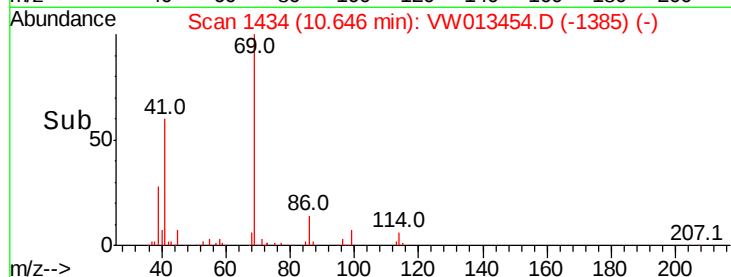
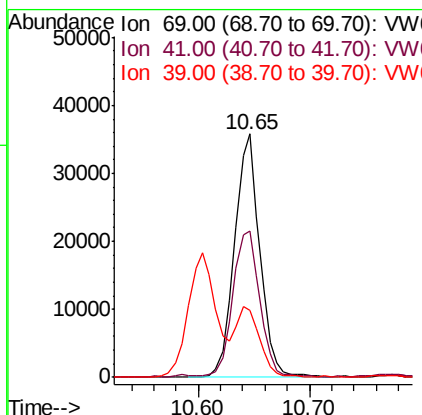
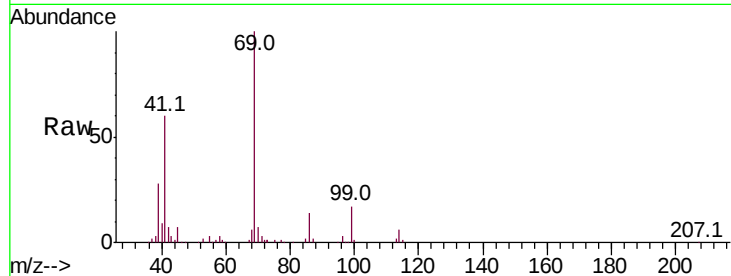




#56
Ethyl methacrylate
Concen: 21.277 ug/l
RT: 10.65 min Scan# 1434
Delta R.T. 0.00 min
Lab File: VW013454.D
Acq: 07 Oct 2019 11:16

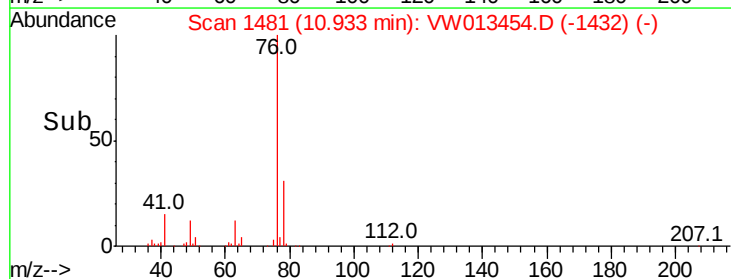
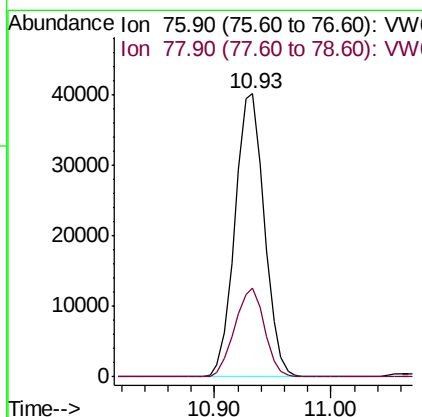
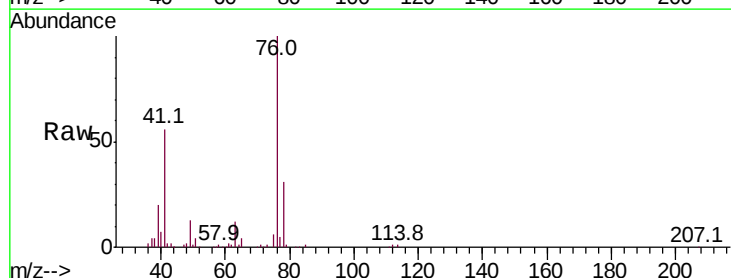
Instrument :
MSVOA_W
ClientSampleId :
VW1007SBS01

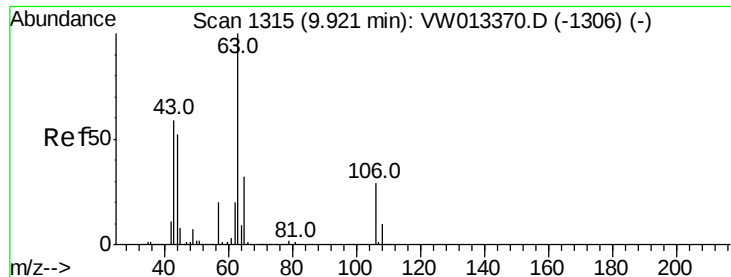
Tot Ion: 69 Resp: 56280
Ion Ratio Lower Upper
69 100
41 64.7 53.9 80.9
39 27.0 23.8 35.6



#57
1,3-Dichloropropane
Concen: 20.743 ug/l
RT: 10.93 min Scan# 1481
Delta R.T. 0.00 min
Lab File: VW013454.D
Acq: 07 Oct 2019 11:16

Tgt Ion: 76 Resp: 70864
Ion Ratio Lower Upper
76 100
78 31.6 25.5 38.3

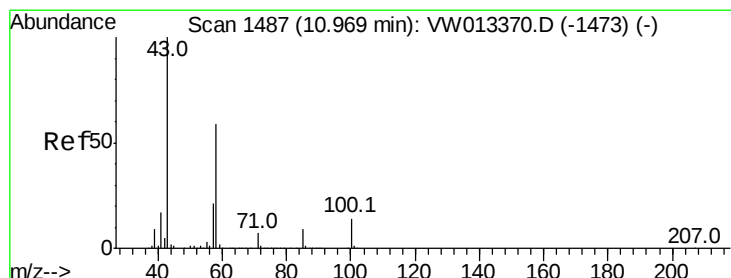
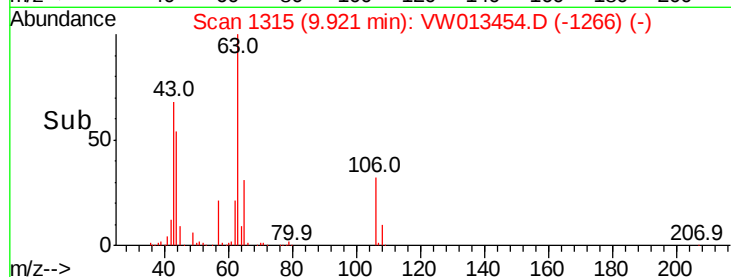
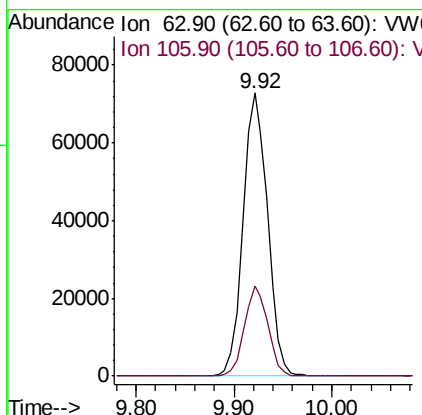
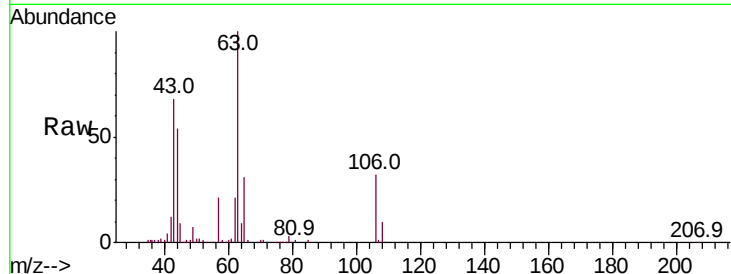




#58
2-Chloroethyl Vinyl ether
Concen: 115.871 ug/l
RT: 9.92 min Scan# 1315
Delta R.T. 0.00 min
Lab File: VW013454.D
Acq: 07 Oct 2019 11:16

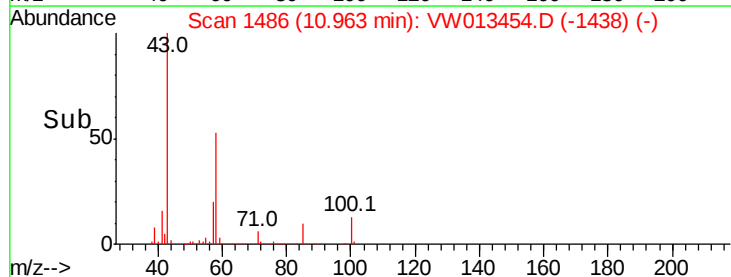
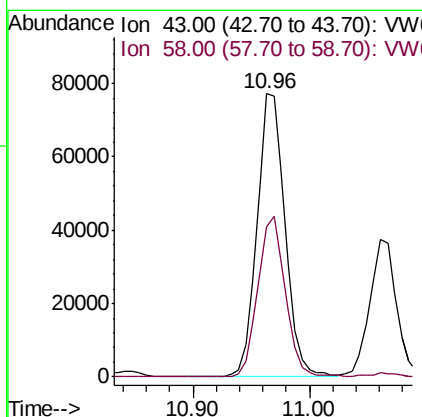
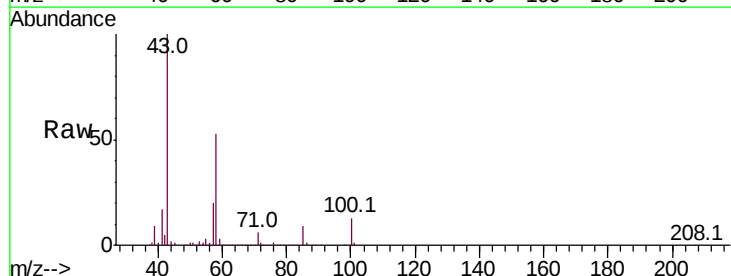
Instrument :
MSVOA_W
ClientSampleId :
VW1007SBS01

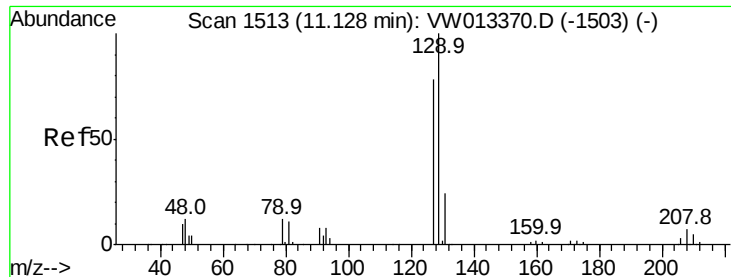
Tot Ion: 63 Resp: 125898
Ion Ratio Lower Upper
63 100
106 30.4 23.4 35.0



#59
2-Hexanone
Concen: 110.374 ug/l
RT: 10.96 min Scan# 1486
Delta R.T. -0.01 min
Lab File: VW013454.D
Acq: 07 Oct 2019 11:16

Tgt Ion: 43 Resp: 129919
Ion Ratio Lower Upper
43 100
58 55.7 28.1 84.2





#60

Dibromochloromethane

Concen: 21.050 ug/l

RT: 11.13 min Scan# 1513

Delta R.T. 0.00 min

Lab File: VW013454.D

Acq: 07 Oct 2019 11:16

Instrument :

MSVOA_W

ClientSampleId :

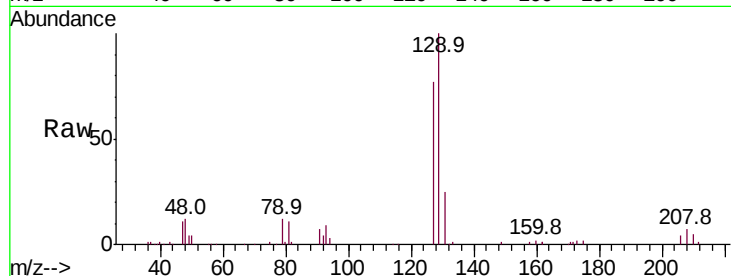
VW1007SBS01

Tot Ion:129 Resp: 47324

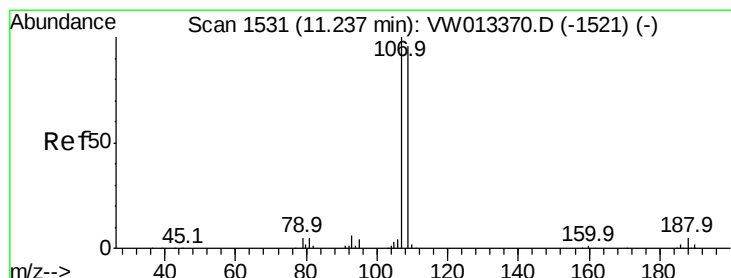
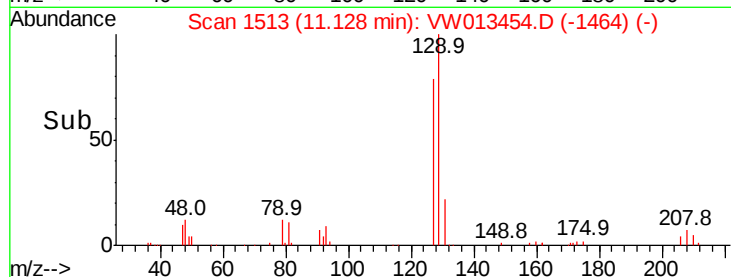
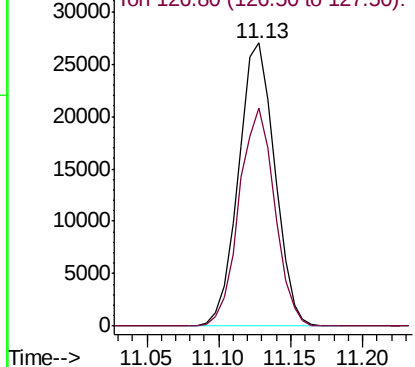
Ion Ratio Lower Upper

129 100

127 75.5 38.8 116.4



Abundance Ion 128.80 (128.50 to 129.50): V
Ion 126.80 (126.50 to 127.50): V



#61

1,2-Dibromoethane

Concen: 21.221 ug/l

RT: 11.23 min Scan# 1530

Delta R.T. -0.01 min

Lab File: VW013454.D

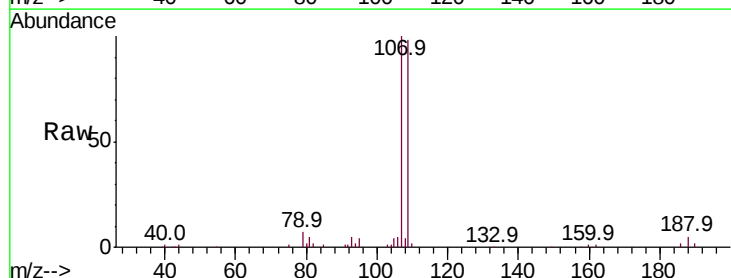
Acq: 07 Oct 2019 11:16

Tgt Ion:107 Resp: 40298

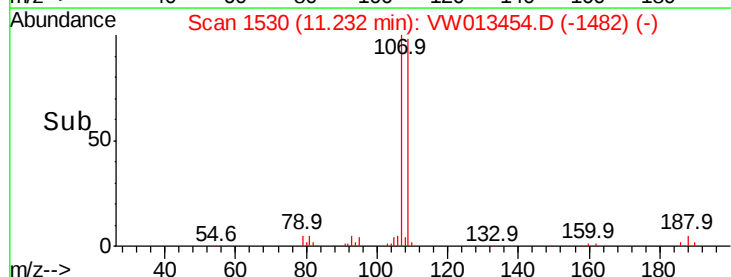
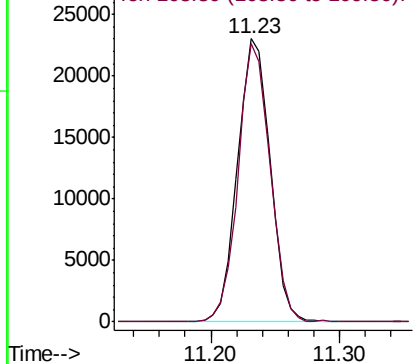
Ion Ratio Lower Upper

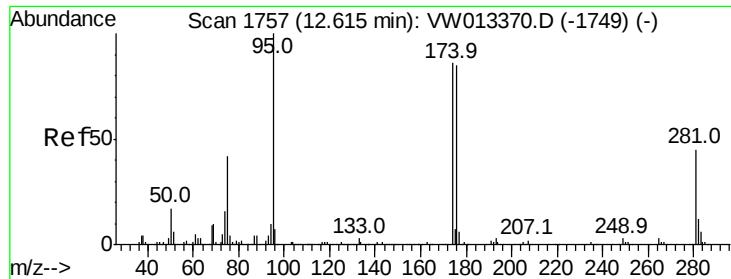
107 100

109 96.2 75.2 112.8



Abundance Ion 106.90 (106.60 to 107.60): V
Ion 108.80 (108.50 to 109.50): V

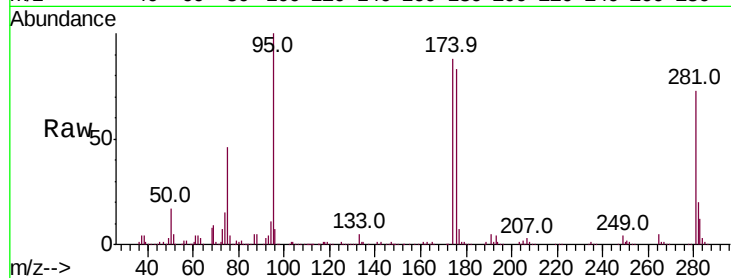




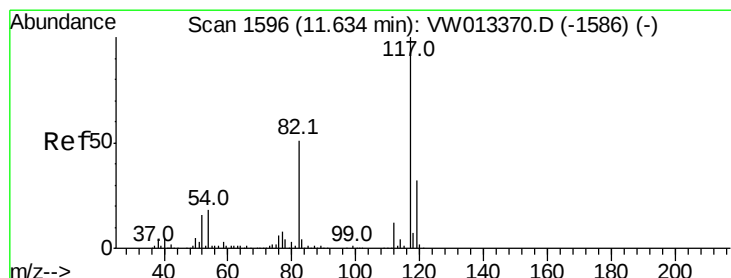
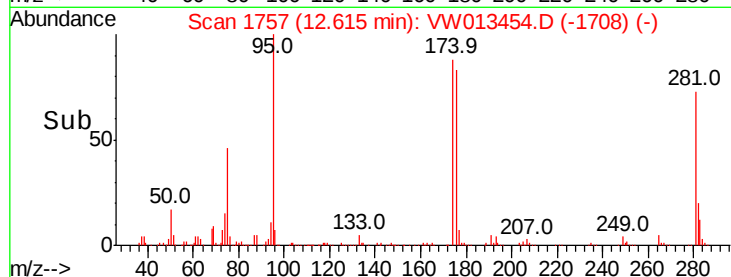
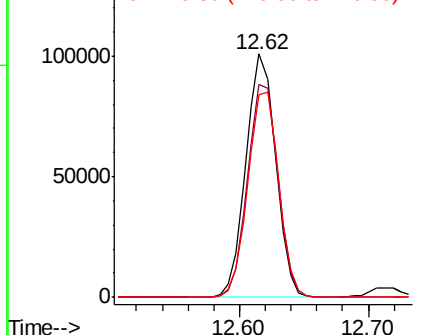
#62
4-Bromofluorobenzene
Concen: 52.854 ug/l
RT: 12.62 min Scan# 1757
Delta R.T. 0.00 min
Lab File: VW013454.D
Acq: 07 Oct 2019 11:16

Instrument :
MSVOA_W
ClientSampleId :
VW1007SBS01

Tot Ion: 95 Resp: 161015
Ion Ratio Lower Upper
95 100
174 89.4 0.0 178.4
176 87.1 0.0 172.2

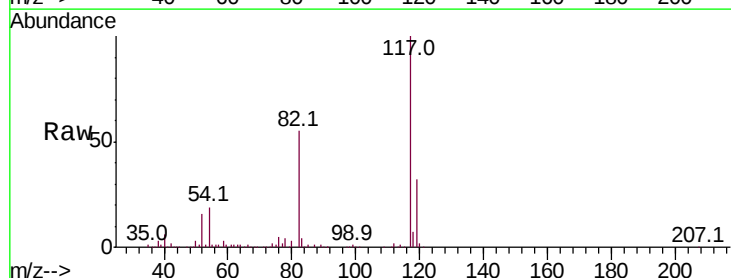


Abundance Ion 94.90 (94.60 to 95.60): VW
Ion 173.80 (173.50 to 174.50): VW
Ion 175.80 (175.50 to 176.50): VW

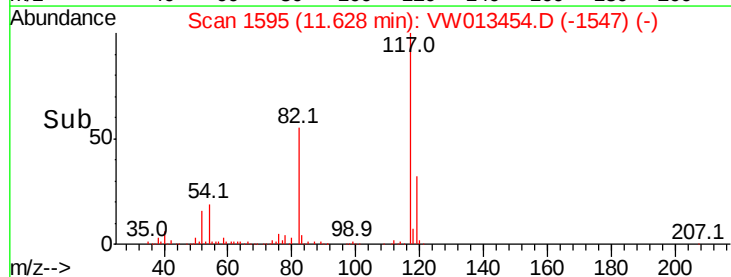
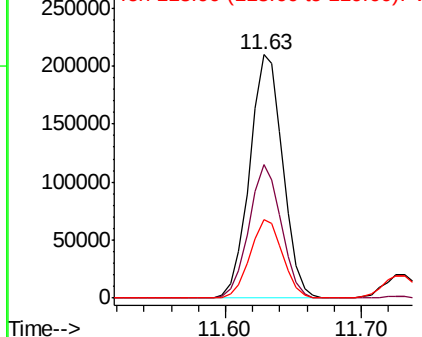


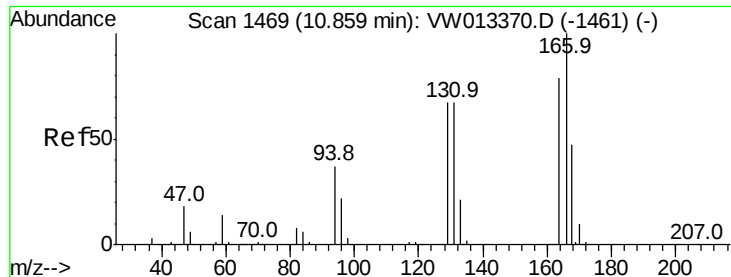
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.01 min
Lab File: VW013454.D
Acq: 07 Oct 2019 11:16

Tgt Ion: 117 Resp: 357243
Ion Ratio Lower Upper
117 100
82 55.0 45.9 68.9
119 32.1 26.2 39.2



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

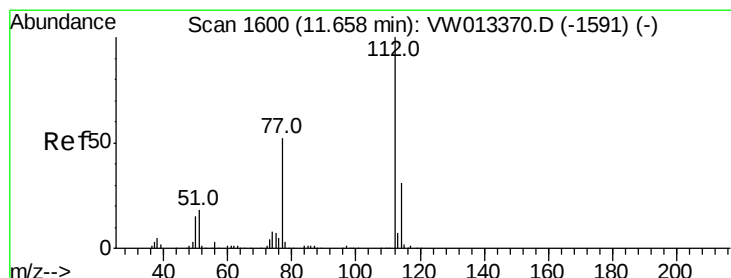
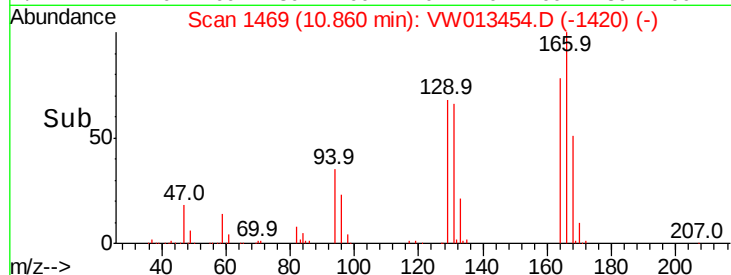
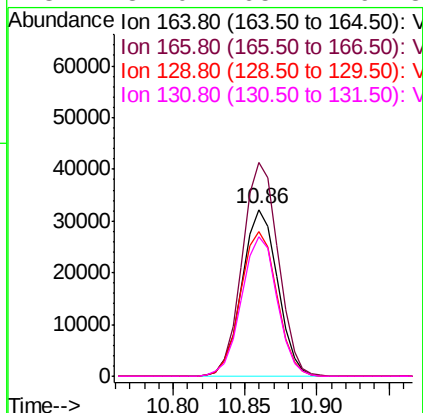
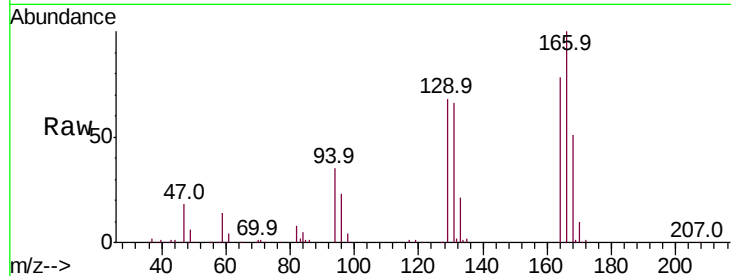




#64
Tetrachloroethene
Concen: 20.296 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VW013454.D
Acq: 07 Oct 2019 11:16

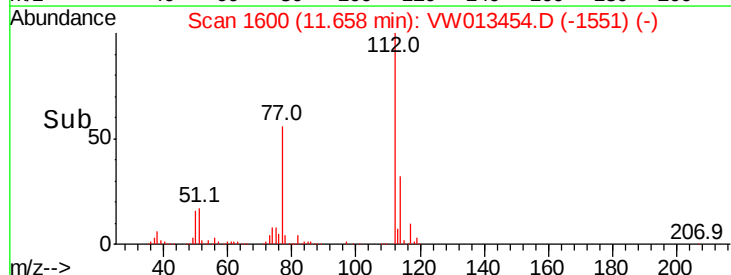
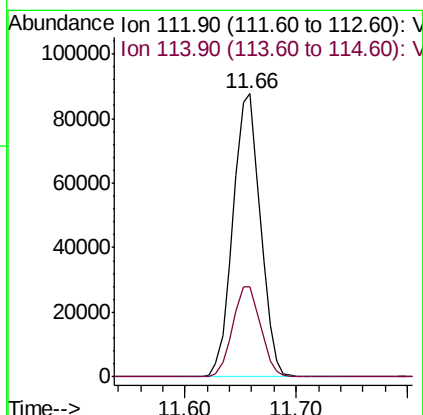
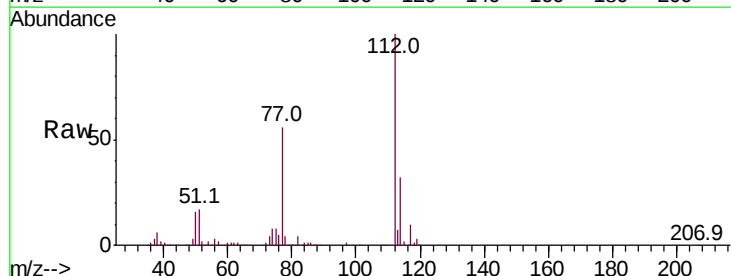
Instrument :
MSVOA_W
ClientSampleId :
VW1007SBS01

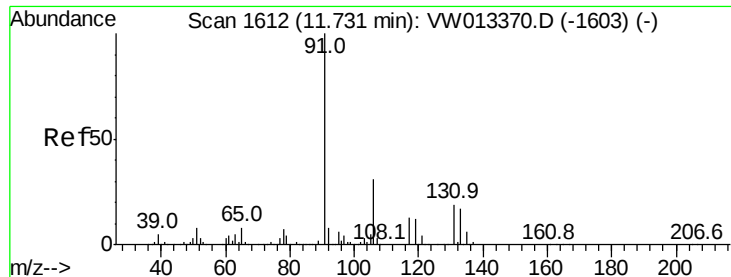
Tot Ion:164 Resp: 55163
Ion Ratio Lower Upper
164 100
166 128.0 101.2 151.8
129 86.8 68.8 103.2
131 84.0 65.2 97.8



#65
Chlorobenzene
Concen: 20.460 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VW013454.D
Acq: 07 Oct 2019 11:16

Tgt Ion:112 Resp: 149744
Ion Ratio Lower Upper
112 100
114 31.8 26.5 39.7





#66

1,1,1,2-Tetrachloroethane

Concen: 21.132 ug/l

RT: 11.73 min Scan# 1611

Delta R.T. -0.01 min

Lab File: VW013454.D

Acq: 07 Oct 2019 11:16

Instrument :

MSVOA_W

ClientSampleId :

VW1007SBS01

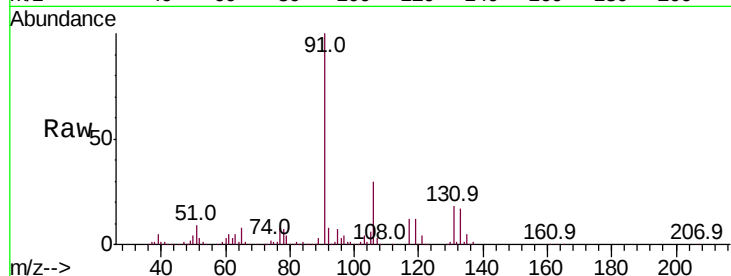
Tot Ion:131 Resp: 52677

Ion Ratio Lower Upper

131 100

133 91.9 47.5 142.6

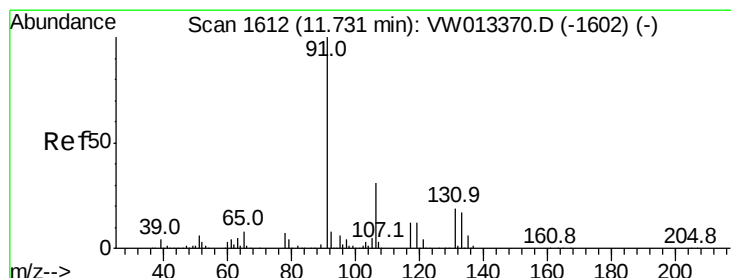
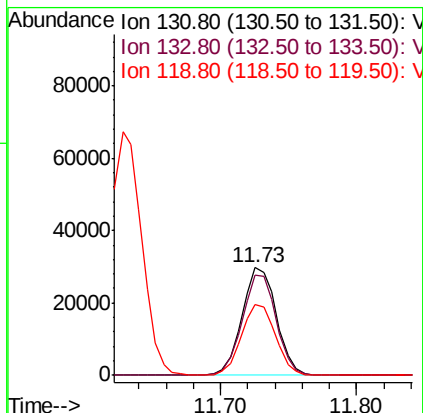
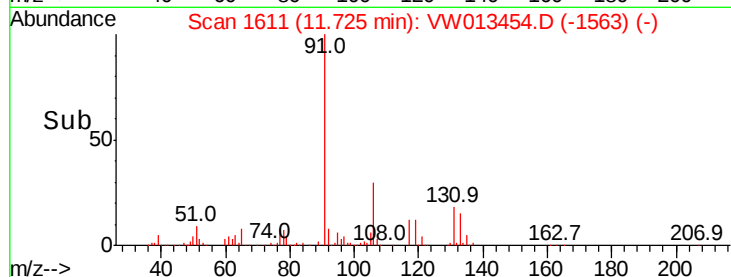
119 65.5 32.5 97.5



Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V



#67

Ethyl Benzene

Concen: 21.048 ug/l

RT: 11.73 min Scan# 1612

Delta R.T. 0.00 min

Lab File: VW013454.D

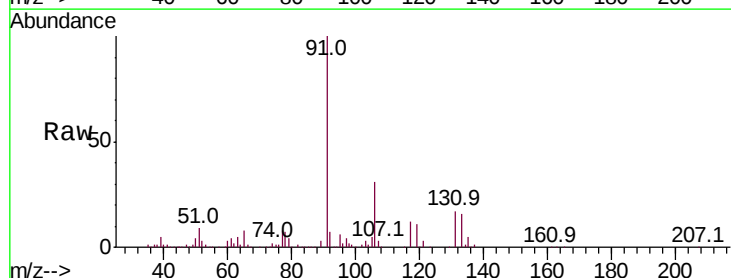
Acq: 07 Oct 2019 11:16

Tgt Ion: 91 Resp: 276090

Ion Ratio Lower Upper

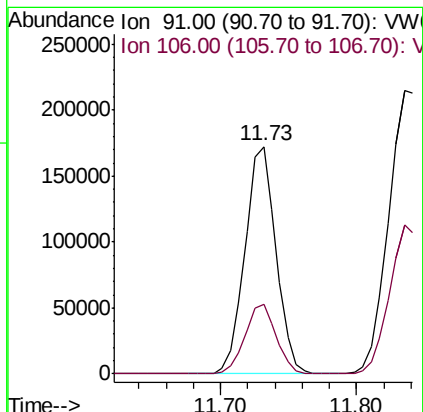
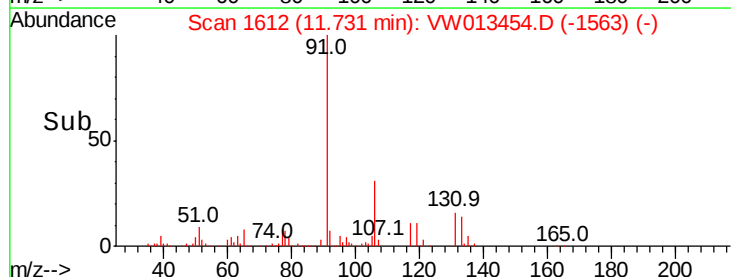
91 100

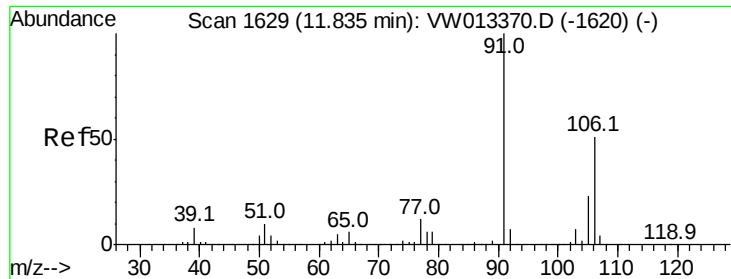
106 30.6 24.9 37.3



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 106.00 (105.70 to 106.70): V

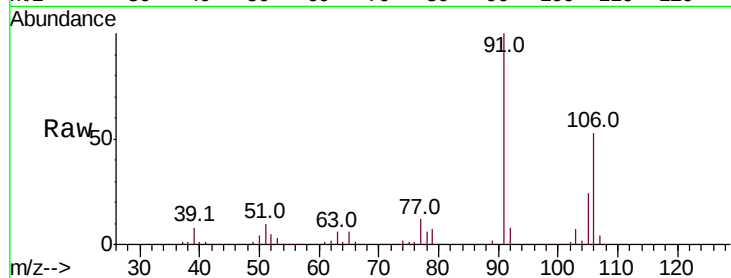




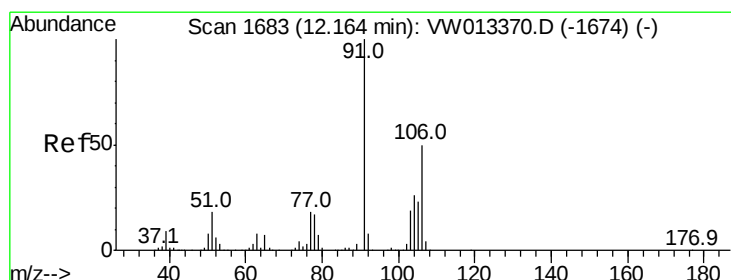
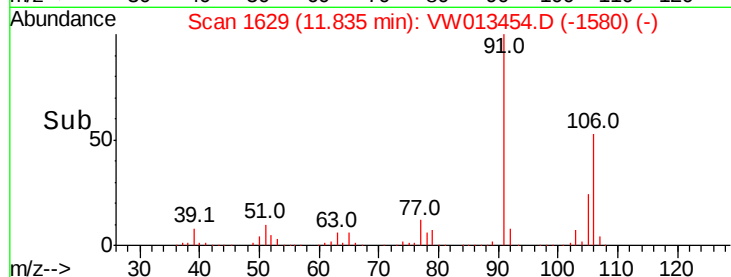
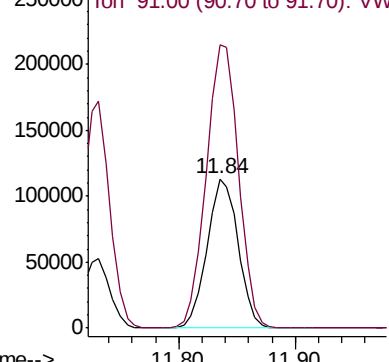
#68
m/p-Xylenes
Concen: 41.550 ug/l
RT: 11.84 min Scan# 1629
Delta R.T. 0.00 min
Lab File: VW013454.D
Acq: 07 Oct 2019 11:16

Instrument :
MSVOA_W
ClientSampled :
VW1007SBS01

Tot Ion:106 Resp: 210373
Ion Ratio Lower Upper
106 100
91 196.9 157.9 236.9

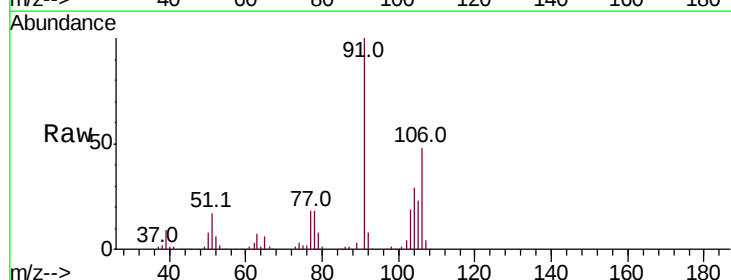


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VW

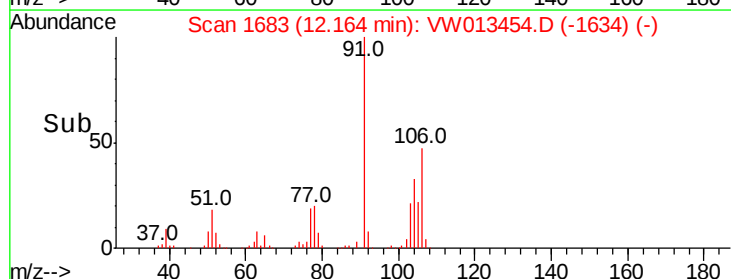
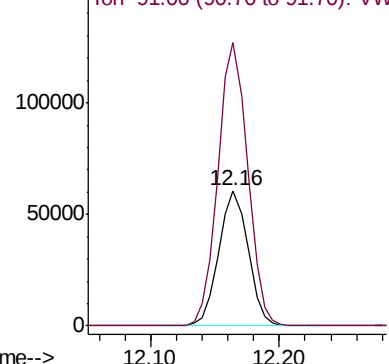


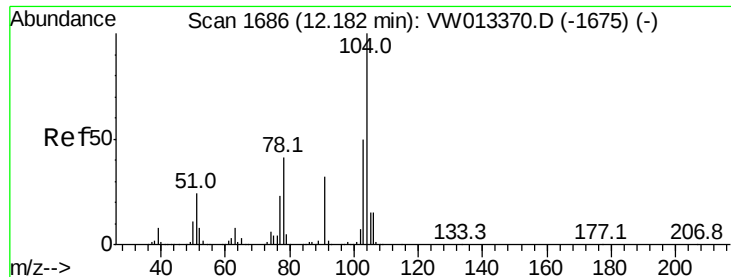
#69
o-Xylene
Concen: 20.341 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. 0.00 min
Lab File: VW013454.D
Acq: 07 Oct 2019 11:16

Tgt Ion:106 Resp: 95222
Ion Ratio Lower Upper
106 100
91 211.6 106.5 319.5



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

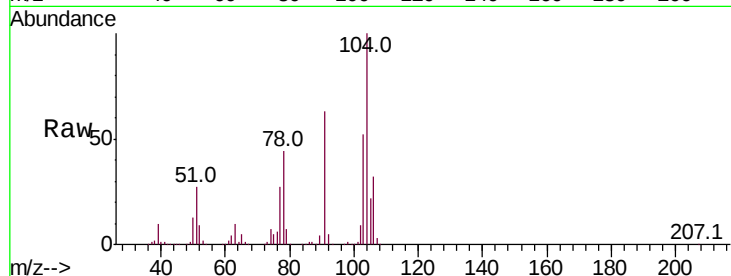




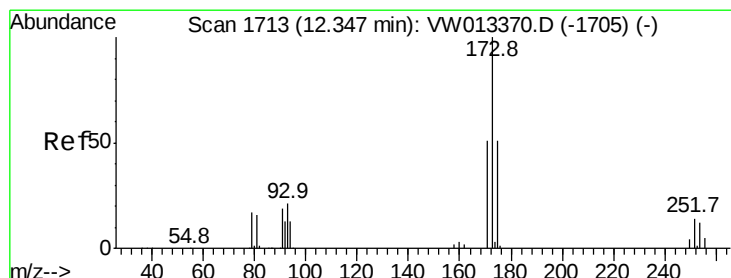
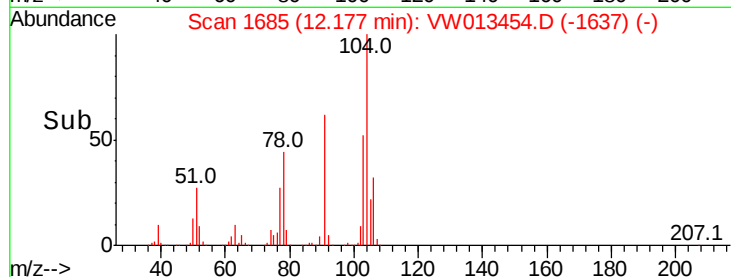
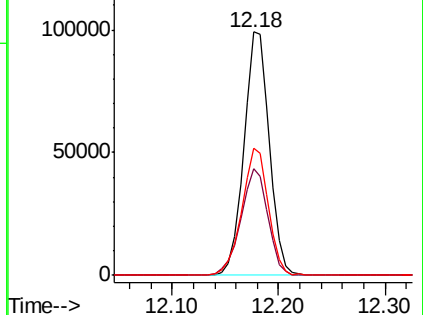
#70
Stvrene
Concen: 20.673 ug/l
RT: 12.18 min Scan# 1685
Delta R.T. -0.01 min
Lab File: VW013454.D
Acq: 07 Oct 2019 11:16

Instrument :
MSVOA_W
ClientSampleId :
VW1007SBS01

Tot Ion	Ratio	Lower	Upper
104	100		
78	46.8	38.4	57.6
103	54.7	43.3	64.9

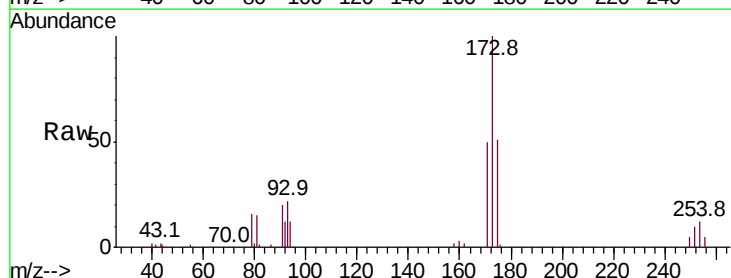


Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): V
Ion 103.00 (102.70 to 103.70): V

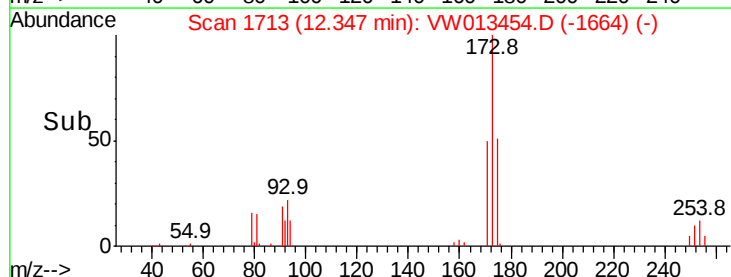
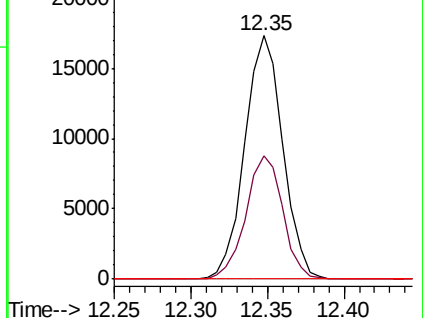


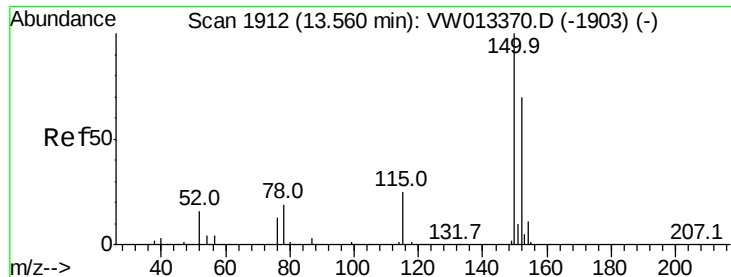
#71
Bromoform
Concen: 22.109 ug/l
RT: 12.35 min Scan# 1713
Delta R.T. 0.00 min
Lab File: VW013454.D
Acq: 07 Oct 2019 11:16

Tgt Ion	Ratio	Lower	Upper
173	100		
175	49.3	24.3	73.0
254	0.0	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: 13.55 min Scan# 1911

Delta R.T. -0.01 min

Lab File: VW013454.D

Acq: 07 Oct 2019 11:16

Instrument :

MSVOA_W

ClientSampleId :

VW1007SBS01

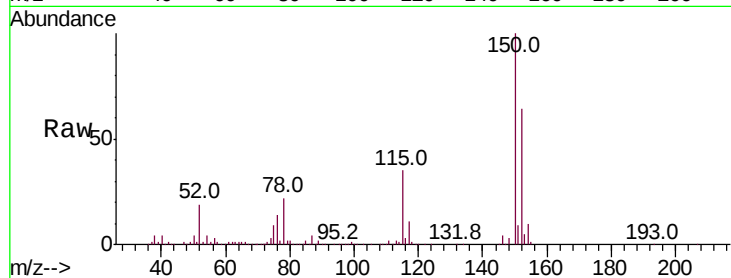
Tot Ion:152 Resp: 184563

Ion Ratio Lower Upper

152 100

115 53.2 27.3 81.9

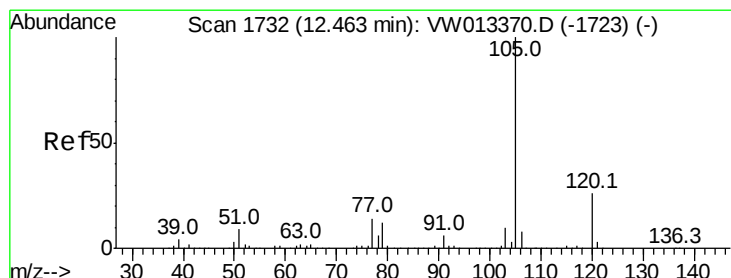
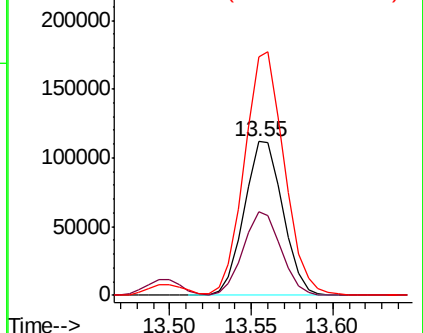
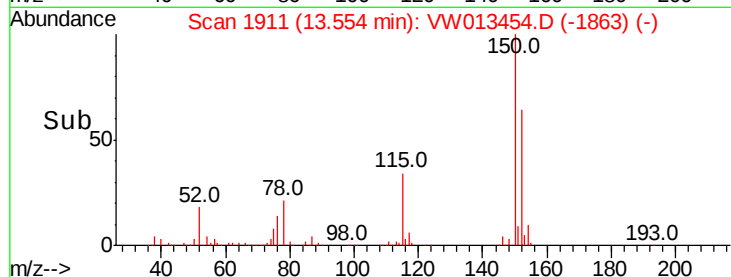
150 162.9 0.0 349.0



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: 20.283 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. 0.00 min

Lab File: VW013454.D

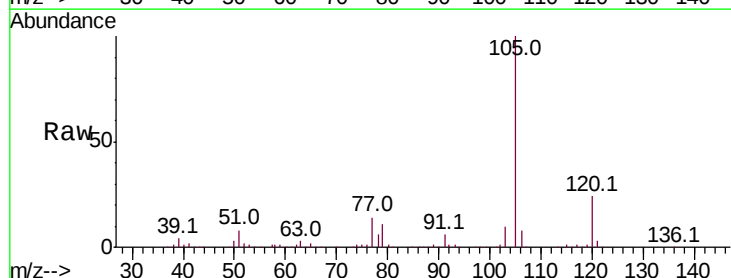
Acq: 07 Oct 2019 11:16

Tgt Ion:105 Resp: 273829

Ion Ratio Lower Upper

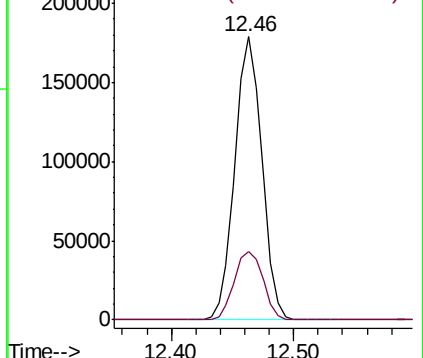
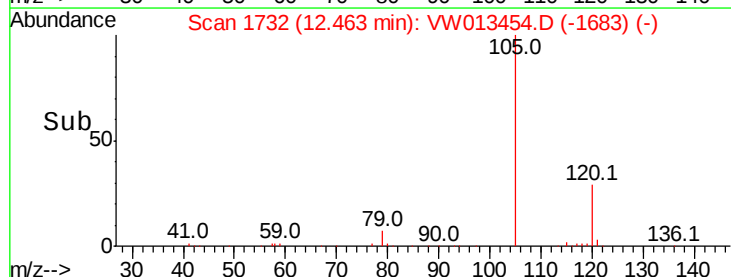
105 100

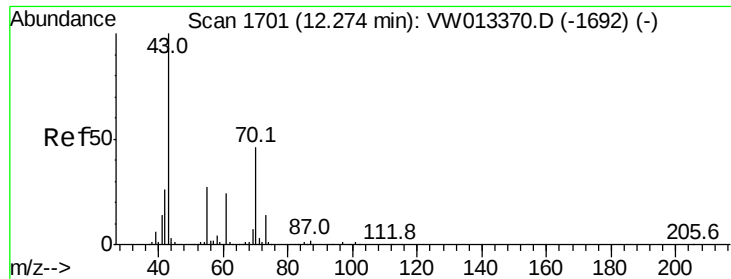
120 25.8 13.4 40.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#74

N-amvl acetate

Concen: 21.199 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. 0.00 min

Lab File: VW013454.D

Acq: 07 Oct 2019 11:16

Instrument :

MSVOA_W

ClientSampleId :

VW1007SBS01

Tot Ion: 43 Resp: 60909

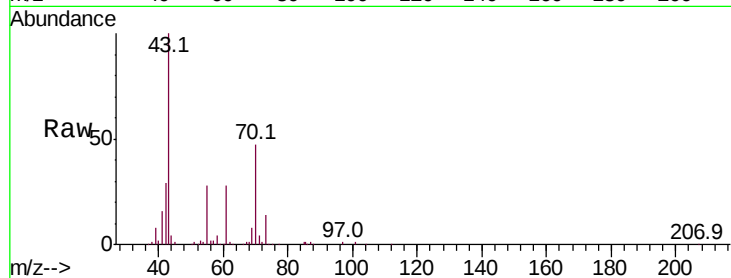
Ion Ratio Lower Upper

43 100

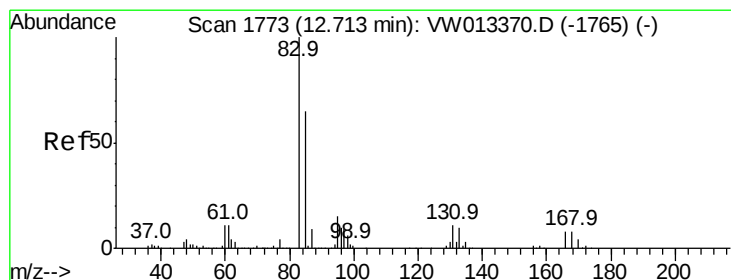
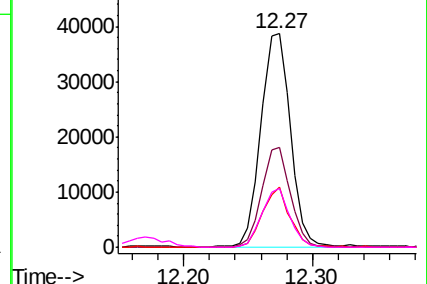
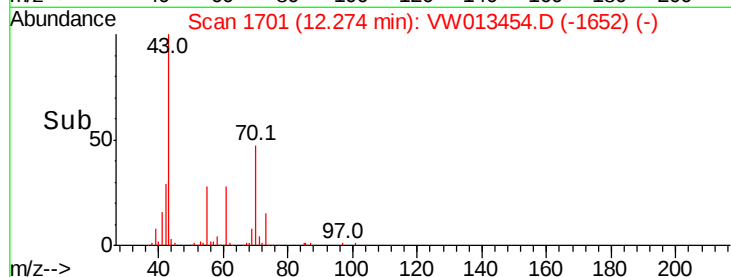
70 45.6 35.1 52.7

55 26.3 19.9 29.9

61 26.1 19.5 29.3



Abundance Ion 43.00 (42.70 to 43.70): VW
Ion 70.00 (69.70 to 70.70): VW
Ion 55.00 (54.70 to 55.70): VW
Ion 61.00 (60.70 to 61.70): VW



#75

1,1,2,2-Tetrachloroethane

Concen: 21.619 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. 0.00 min

Lab File: VW013454.D

Acq: 07 Oct 2019 11:16

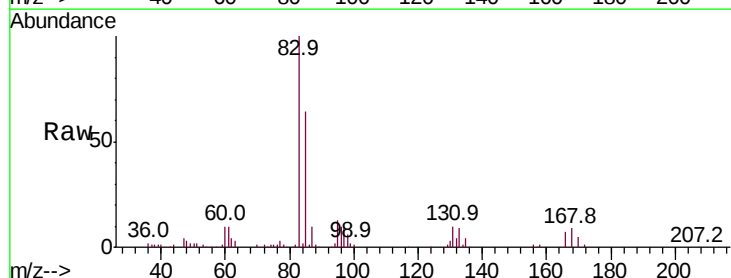
Tgt Ion: 83 Resp: 49399

Ion Ratio Lower Upper

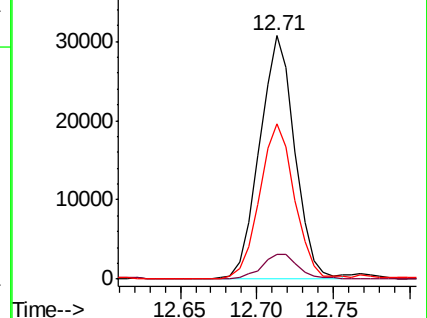
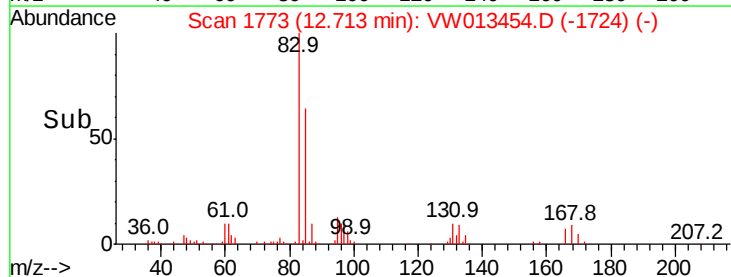
83 100

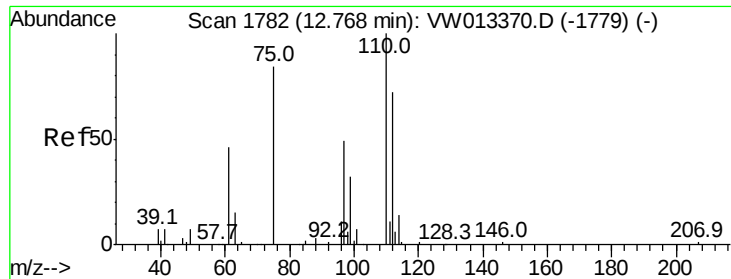
131 10.8 5.4 16.2

85 63.6 31.9 95.9



Abundance Ion 82.90 (82.60 to 83.60): VW
Ion 130.80 (130.50 to 131.50): V
Ion 84.90 (84.60 to 85.60): VW

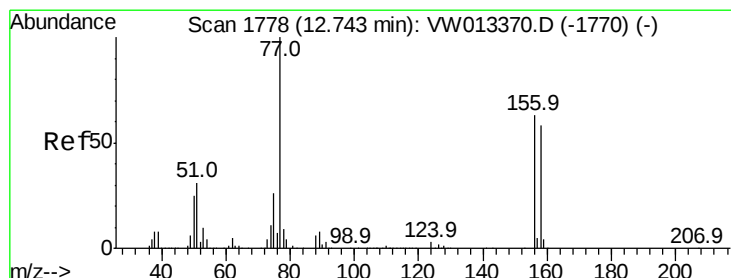
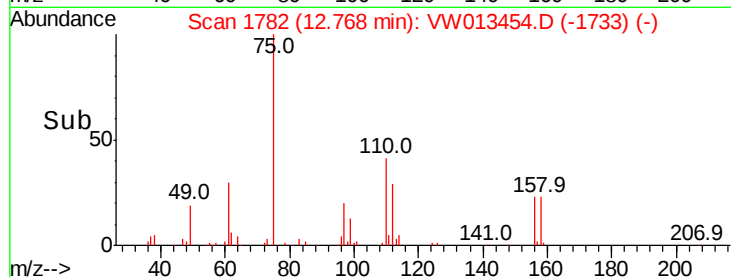
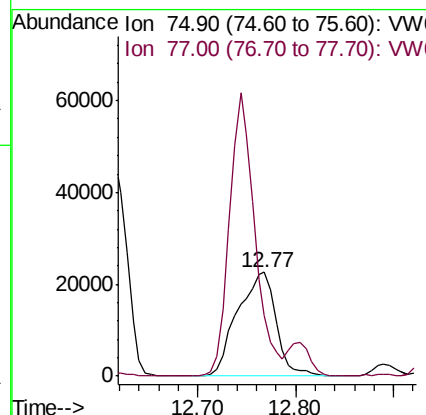
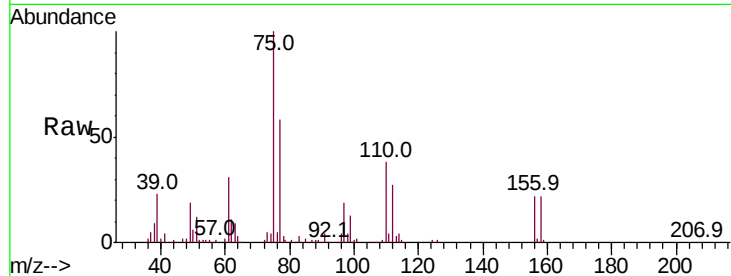




#76
 1,2,3-Trichloropropane
 Concen: 37.608 ug/l
 RT: 12.77 min Scan# 1782
 Delta R.T. 0.00 min
 Lab File: VW013454.D
 Acq: 07 Oct 2019 11:16

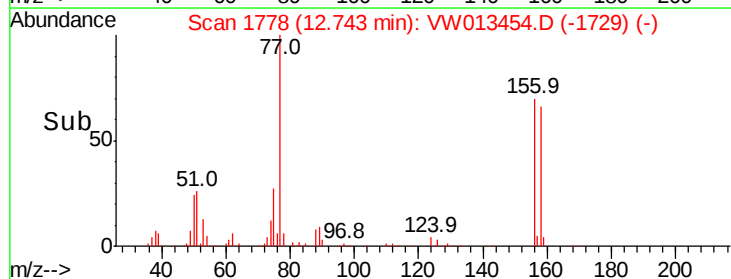
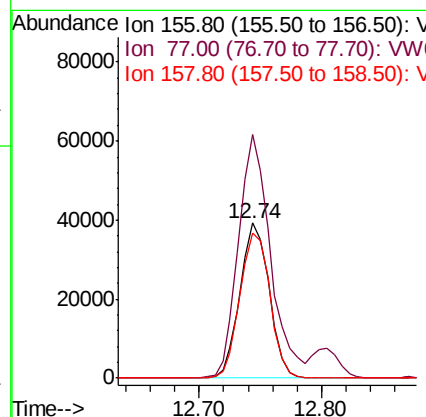
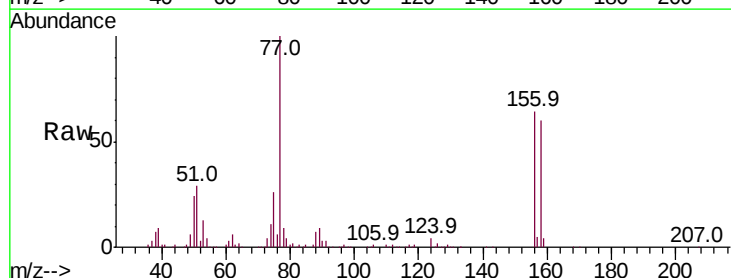
Instrument :
 MSVOA_W
 ClientSampleId :
 VW1007SBS01

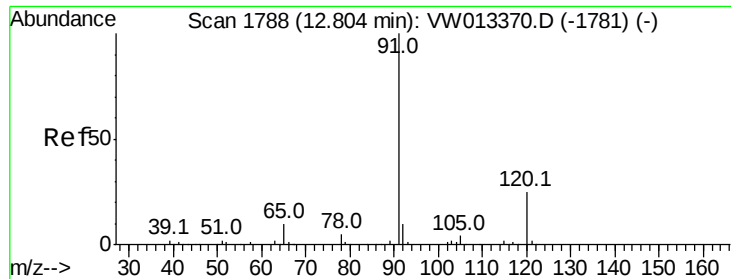
Tot Ion: 75 Resp: 61690
 Ion Ratio Lower Upper
 75 100
 77 0.0 0.0 0.0



#77
 Bromobenzene
 Concen: 19.997 ug/l
 RT: 12.74 min Scan# 1778
 Delta R.T. 0.00 min
 Lab File: VW013454.D
 Acq: 07 Oct 2019 11:16

Tgt Ion: 156 Resp: 64823
 Ion Ratio Lower Upper
 156 100
 77 172.2 85.7 257.1
 158 96.4 48.1 144.4

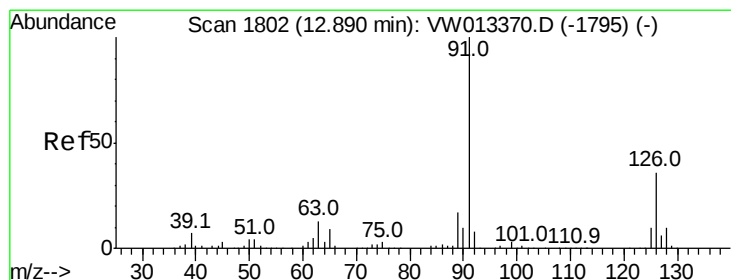
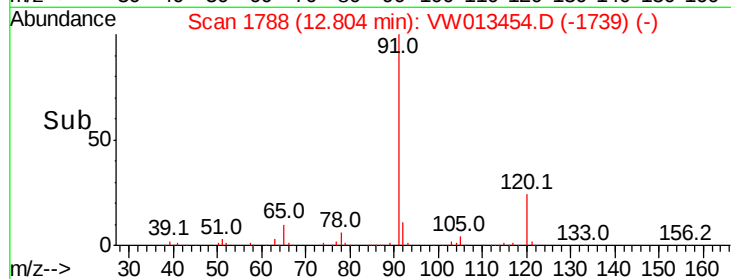
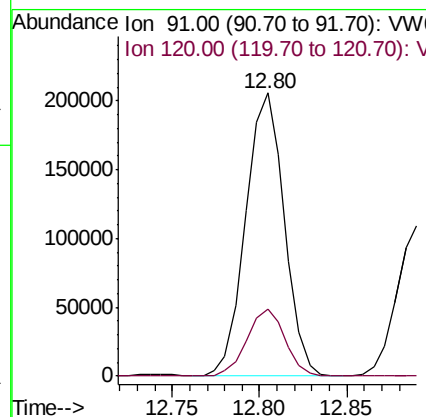
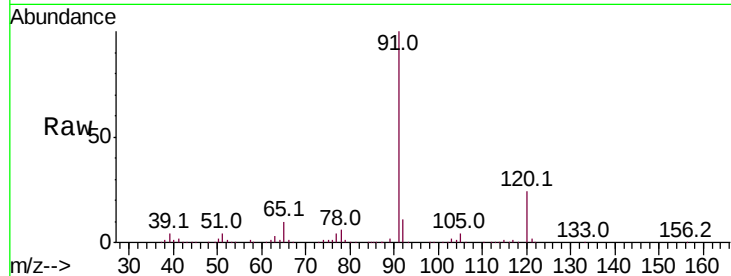




#78
n-propylbenzene
Concen: 20.371 ug/l
RT: 12.80 min Scan# 1788
Delta R.T. 0.00 min
Lab File: VW013454.D
Acq: 07 Oct 2019 11:16

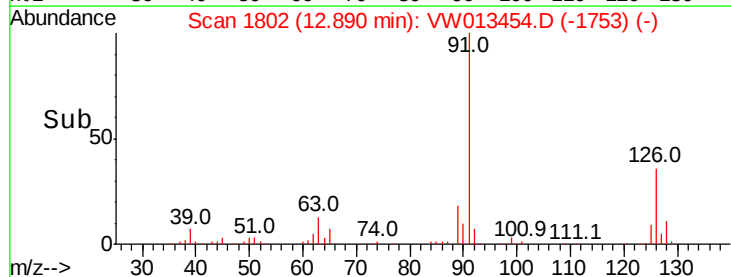
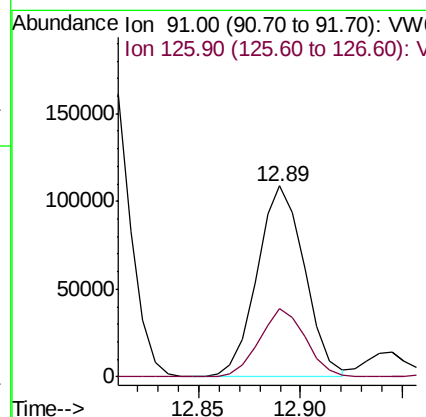
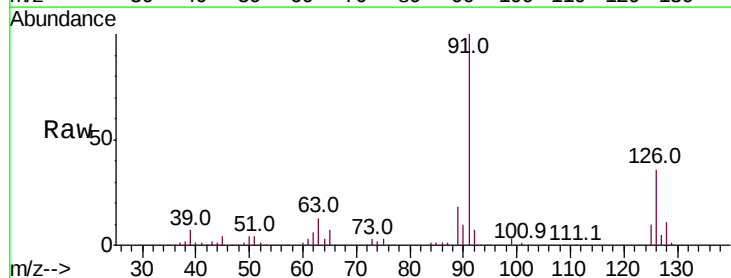
Instrument :
MSVOA_W
ClientSampleId :
VW1007SBS01

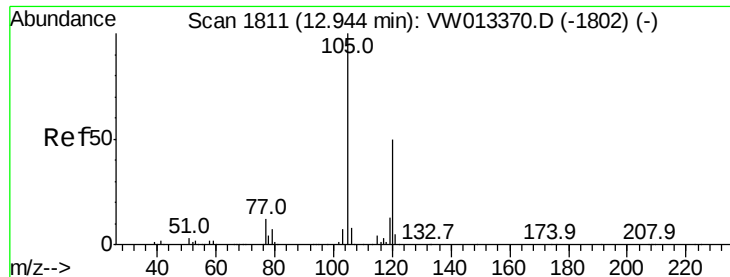
Tot Ion: 91 Resp: 316348
Ion Ratio Lower Upper
91 100
120 23.4 11.7 35.1



#79
2-Chlorotoluene
Concen: 20.426 ug/l
RT: 12.89 min Scan# 1802
Delta R.T. 0.00 min
Lab File: VW013454.D
Acq: 07 Oct 2019 11:16

Tgt Ion: 91 Resp: 176183
Ion Ratio Lower Upper
91 100
126 34.6 17.2 51.5

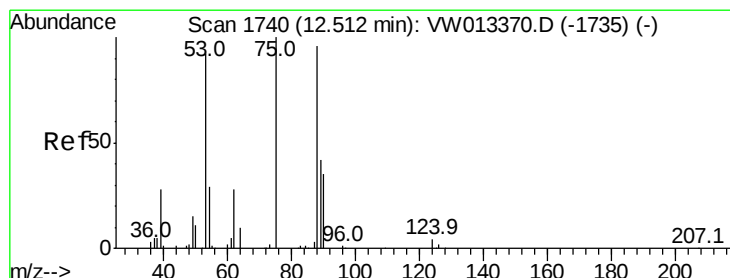
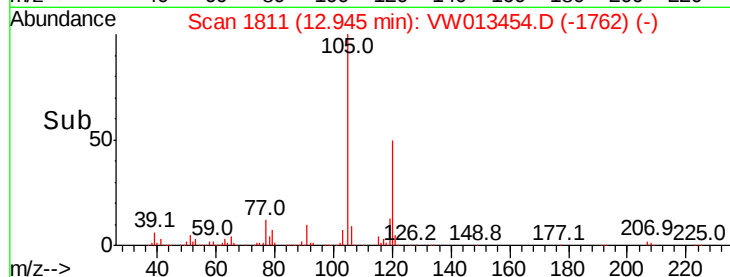
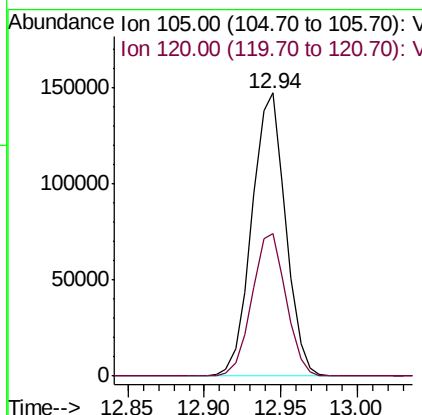
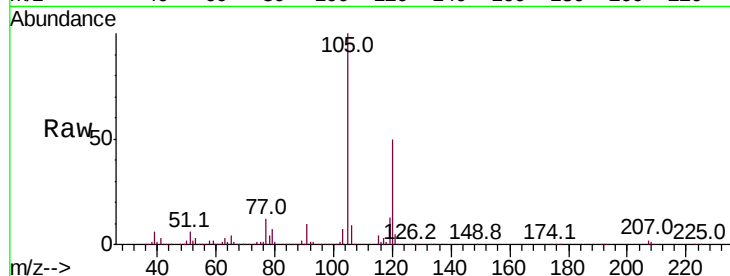




#80
 1,3,5-Trimethylbenzene
 Concen: 20.073 ug/l
 RT: 12.94 min Scan# 1811
 Delta R.T. 0.00 min
 Lab File: VW013454.D
 Acq: 07 Oct 2019 11:16

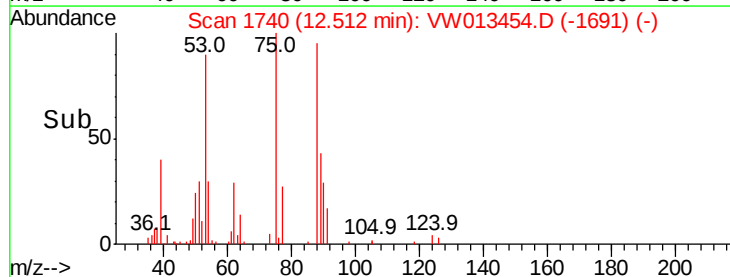
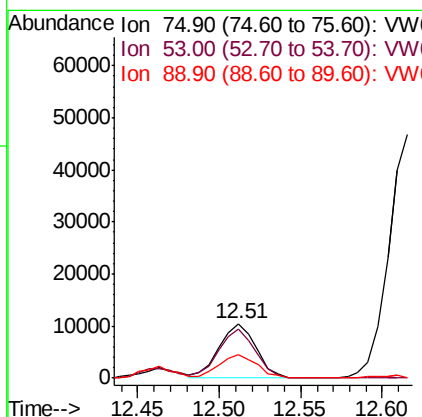
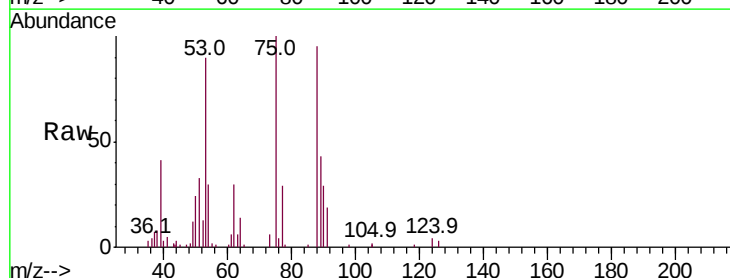
Instrument :
 MSVOA_W
 ClientSampleId :
 VW1007SBS01

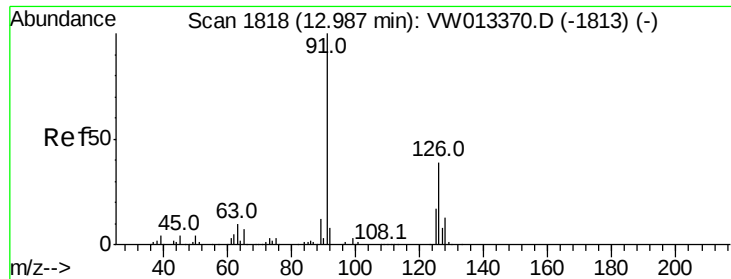
Tot Ion:105 Resp: 225116
 Ion Ratio Lower Upper
 105 100
 120 51.0 24.9 74.8



#81
 trans-1,4-Dichloro-2-butene
 Concen: 23.466 ug/l
 RT: 12.51 min Scan# 1740
 Delta R.T. 0.00 min
 Lab File: VW013454.D
 Acq: 07 Oct 2019 11:16

Tgt Ion: 75 Resp: 16224
 Ion Ratio Lower Upper
 75 100
 53 90.6 76.6 114.8
 89 44.7 33.5 50.3

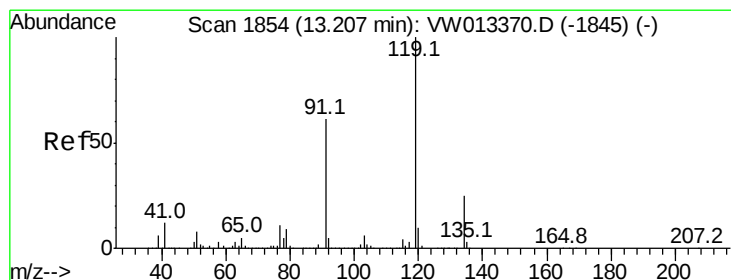
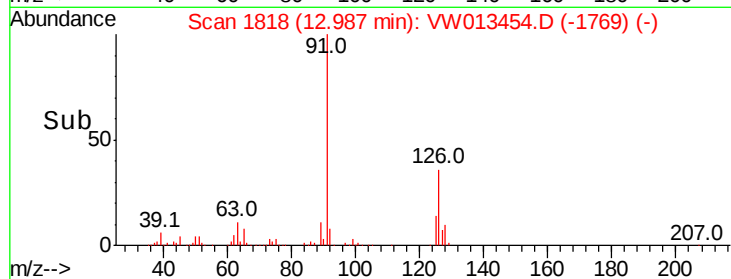
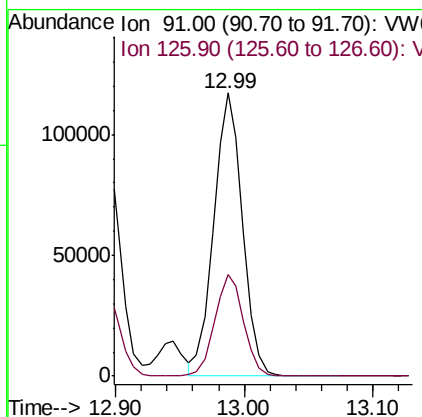
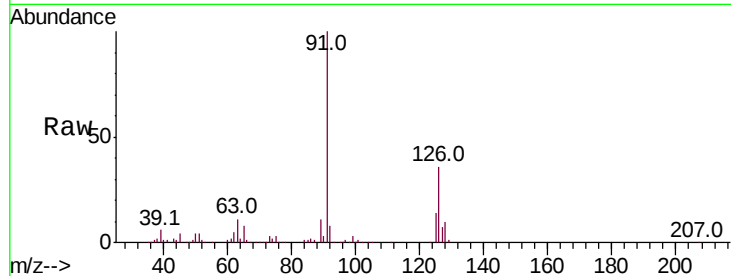




#82
4-Chlorotoluene
Concen: 20.284 ug/l
RT: 12.99 min Scan# 1818
Delta R.T. 0.00 min
Lab File: VW013454.D
Acq: 07 Oct 2019 11:16

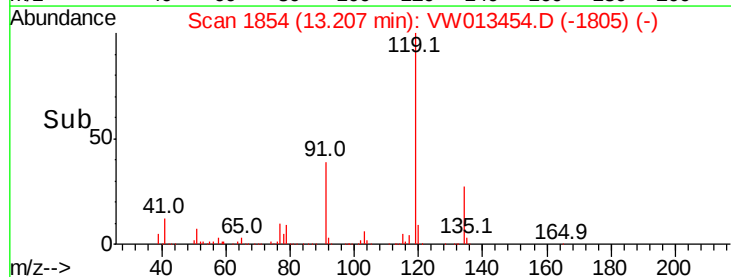
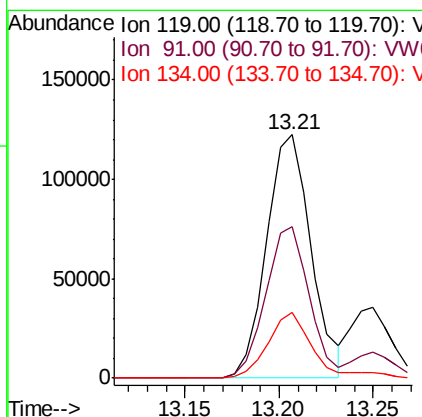
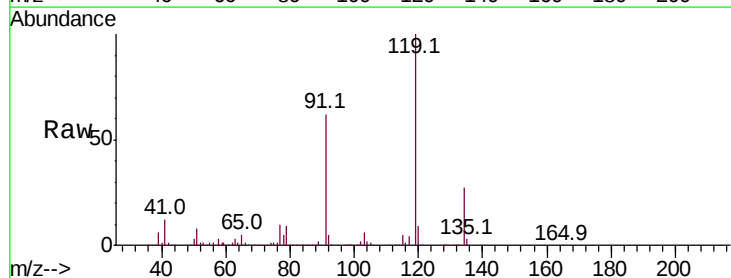
Instrument :
MSVOA_W
ClientSampleId :
VW1007SBS01

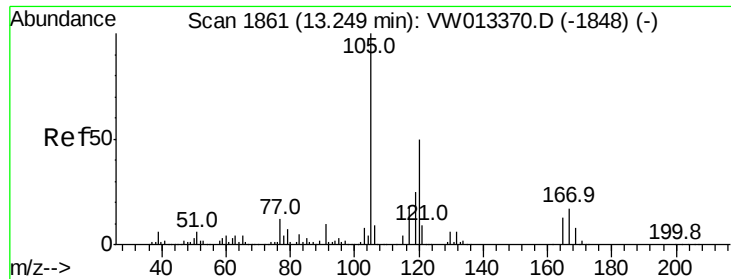
Tot Ion: 91 Resp: 183274
Ion Ratio Lower Upper
91 100
126 36.0 17.3 51.7



#83
tert-Butylbenzene
Concen: 20.503 ug/l
RT: 13.21 min Scan# 1854
Delta R.T. 0.00 min
Lab File: VW013454.D
Acq: 07 Oct 2019 11:16

Tgt Ion: 119 Resp: 200842
Ion Ratio Lower Upper
119 100
91 60.9 30.7 92.1
134 27.2 12.6 37.6

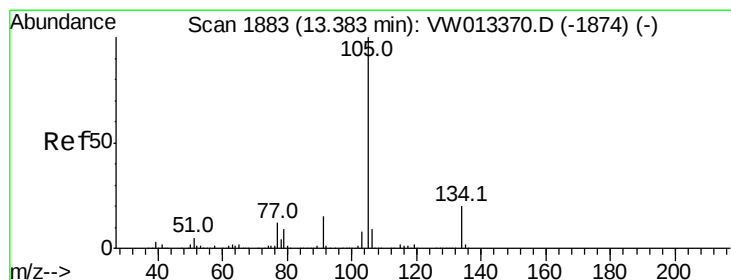
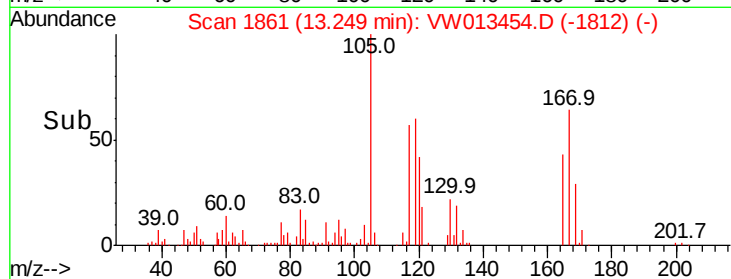
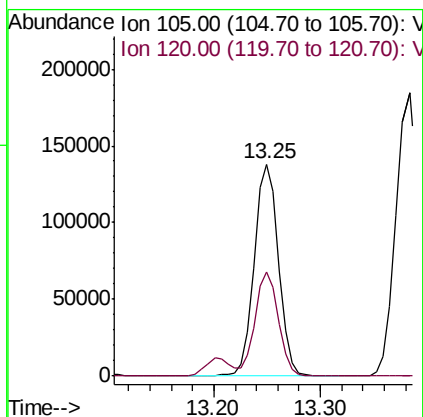
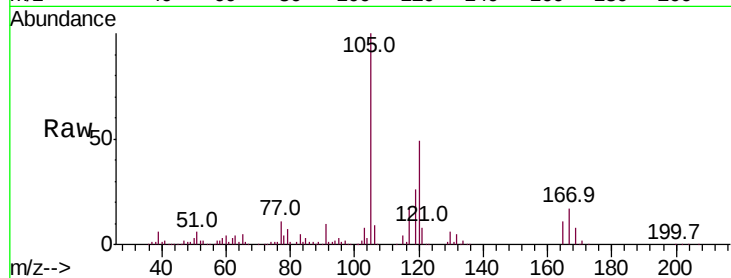




#84
 1,2,4-Trimethylbenzene
 Concen: 19.828 ug/l
 RT: 13.25 min Scan# 1861
 Delta R.T. 0.00 min
 Lab File: VW013454.D
 Acq: 07 Oct 2019 11:16

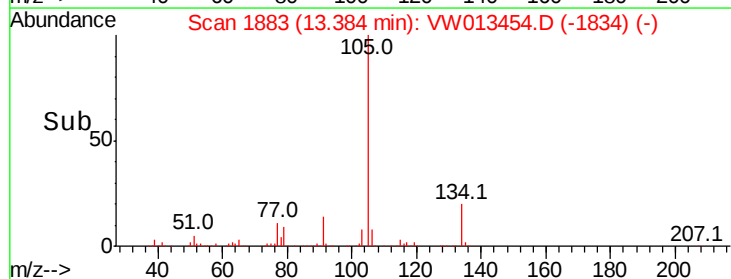
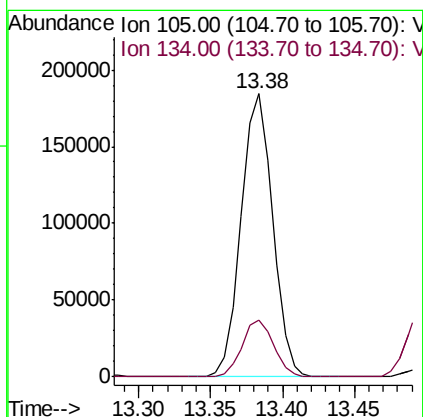
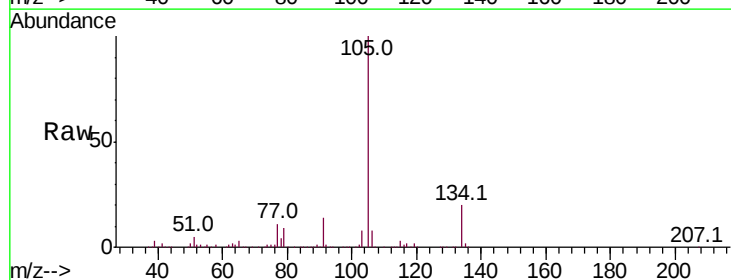
Instrument :
 MSVOA_W
 ClientSampleId :
 VW1007SBS01

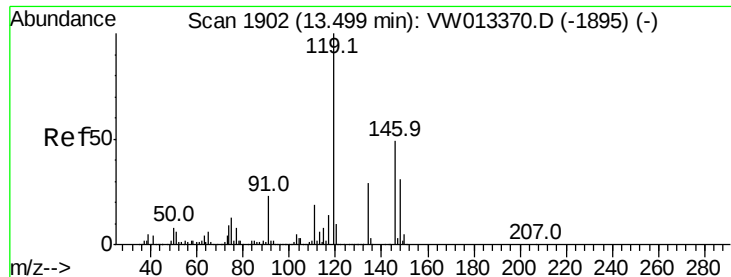
Tot Ion:105 Resp: 221058
 Ion Ratio Lower Upper
 105 100
 120 47.1 23.4 70.3



#85
 sec-Butylbenzene
 Concen: 20.759 ug/l
 RT: 13.38 min Scan# 1883
 Delta R.T. 0.00 min
 Lab File: VW013454.D
 Acq: 07 Oct 2019 11:16

Tgt Ion:105 Resp: 280367
 Ion Ratio Lower Upper
 105 100
 134 19.9 10.3 30.8

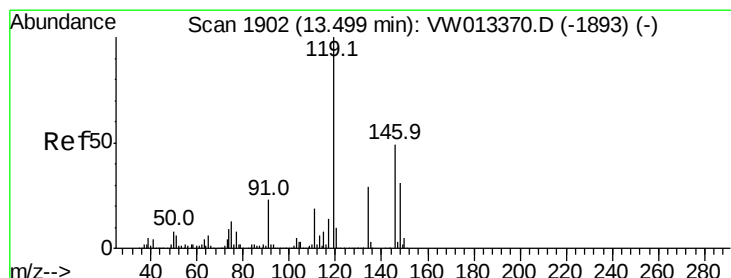
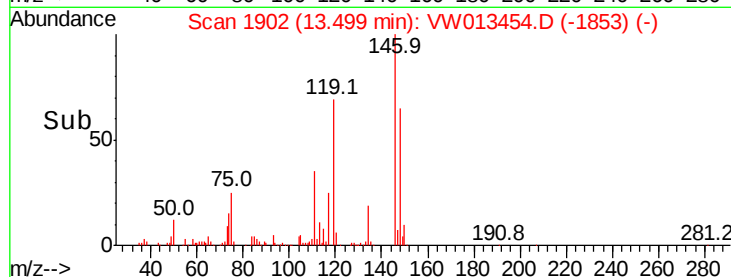
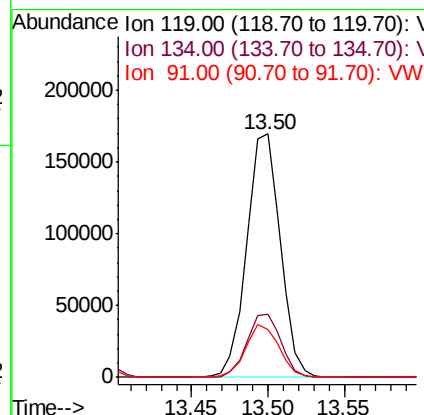
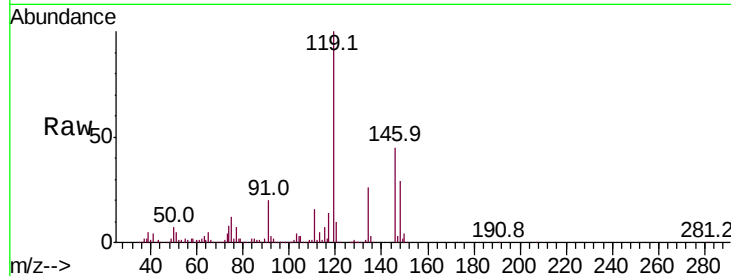




#86
 p-Isopropyltoluene
 Concen: 20.634 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. 0.00 min
 Lab File: VW013454.D
 Acq: 07 Oct 2019 11:16

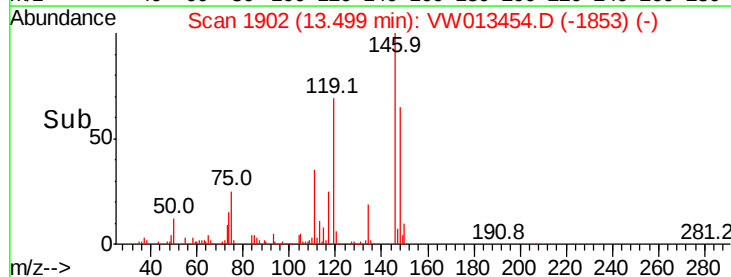
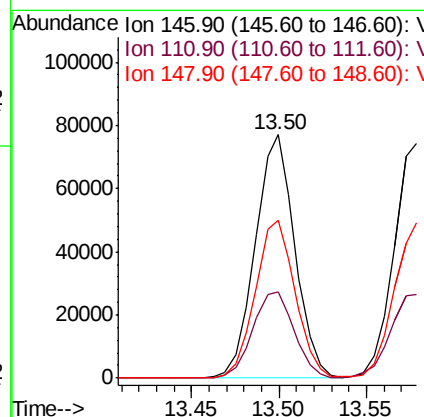
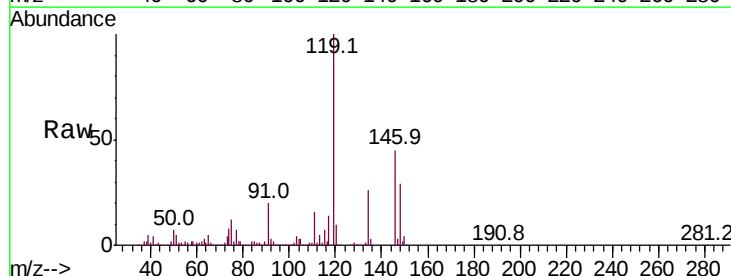
Instrument :
 MSVOA_W
 ClientSampleId :
 VW1007SBS01

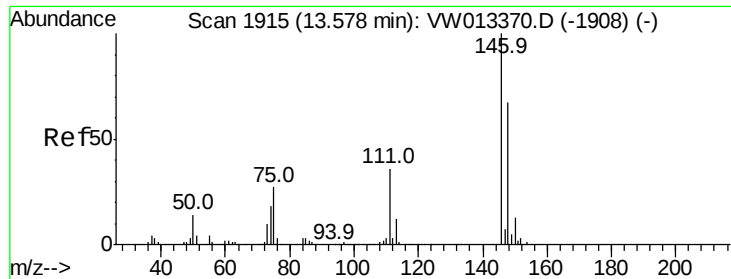
Tot Ion	Ratio	Lower	Upper
119	100		
134	26.3	13.3	39.8
91	21.5	10.8	32.4



#87
 1,3-Dichlorobenzene
 Concen: 19.932 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. 0.00 min
 Lab File: VW013454.D
 Acq: 07 Oct 2019 11:16

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.5	18.9	56.9
148	65.5	31.9	95.5

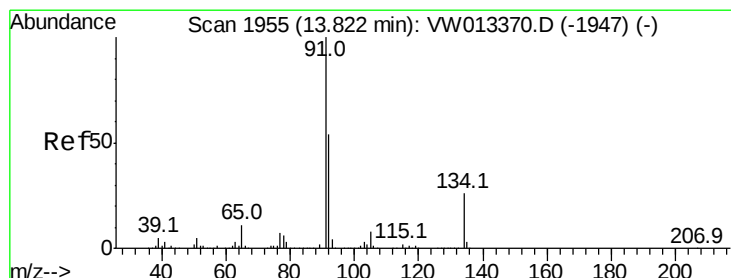
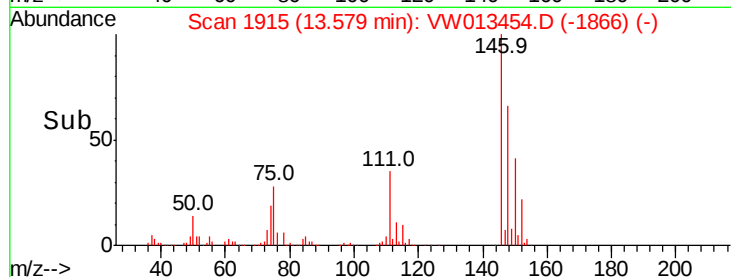
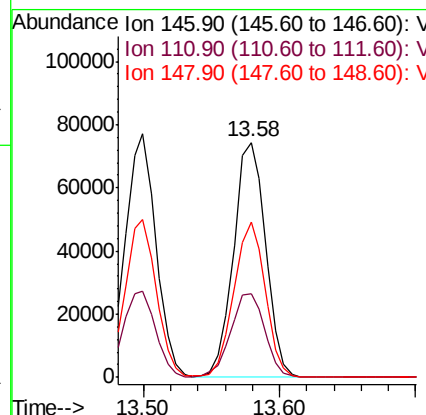
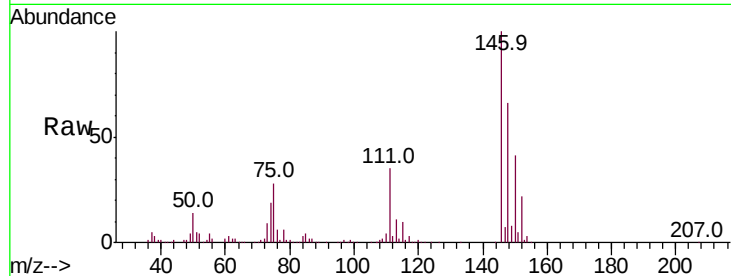




#88
1,4-Dichlorobenzene
Concen: 19.956 ug/l
RT: 13.58 min Scan# 1915
Delta R.T. 0.00 min
Lab File: VW013454.D
Acq: 07 Oct 2019 11:16

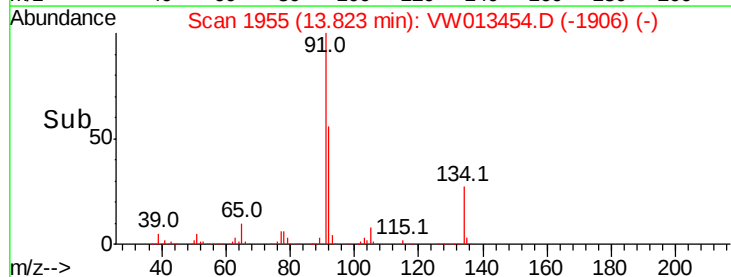
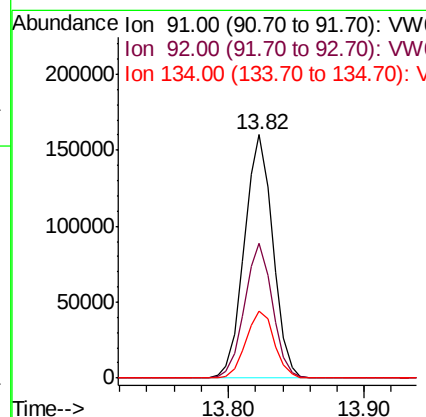
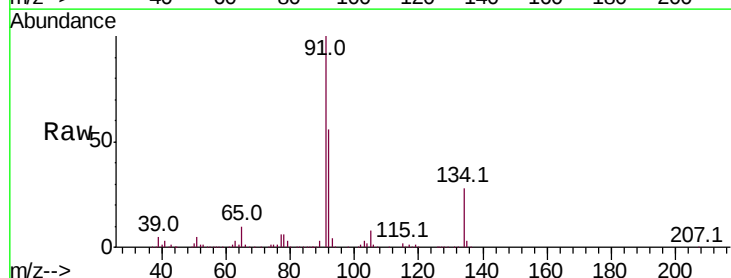
Instrument :
MSVOA_W
ClientSampleId :
VW1007SBS01

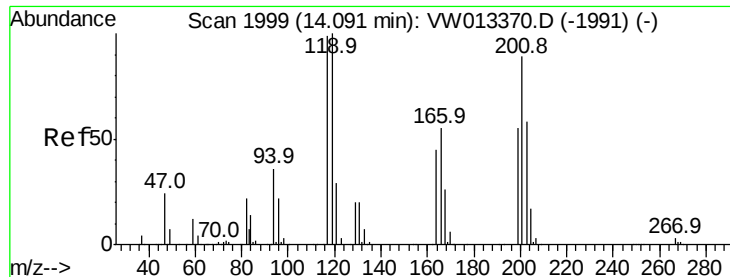
Tot Ion:146 Resp: 121862
Ion Ratio Lower Upper
146 100
111 37.7 18.4 55.0
148 64.8 32.1 96.3



#89
n-Butylbenzene
Concen: 20.794 ug/l
RT: 13.82 min Scan# 1955
Delta R.T. 0.00 min
Lab File: VW013454.D
Acq: 07 Oct 2019 11:16

Tgt Ion: 91 Resp: 234644
Ion Ratio Lower Upper
91 100
92 54.2 27.6 82.8
134 27.6 13.7 41.1





#90

Hexachloroethane

Concen: 20.946 ug/l

RT: 14.09 min Scan# 1999

Delta R.T. 0.00 min

Lab File: VW013454.D

Acq: 07 Oct 2019 11:16

Instrument :

MSVOA_W

ClientSampleId :

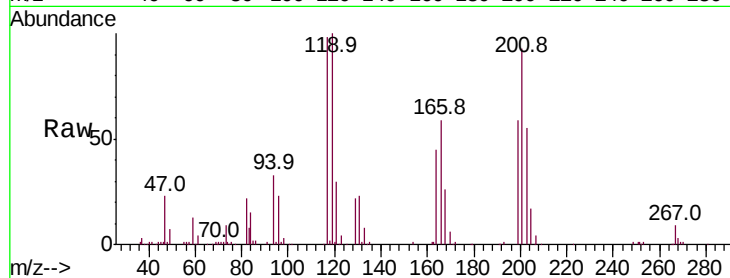
VW1007SBS01

Tot Ion:117 Resp: 43312

Ion Ratio Lower Upper

117 100

201 92.0 44.5 133.5



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V

14.09

25000

20000

15000

10000

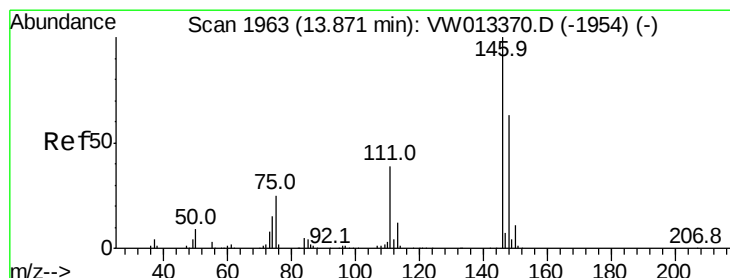
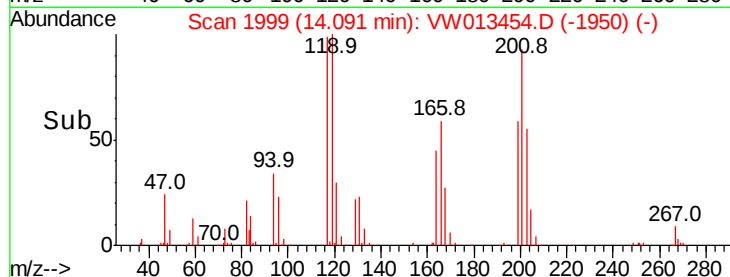
5000

0

Time-->

14.00

14.10



#91

1,2-Dichlorobenzene

Concen: 20.098 ug/l

RT: 13.87 min Scan# 1962

Delta R.T. -0.01 min

Lab File: VW013454.D

Acq: 07 Oct 2019 11:16

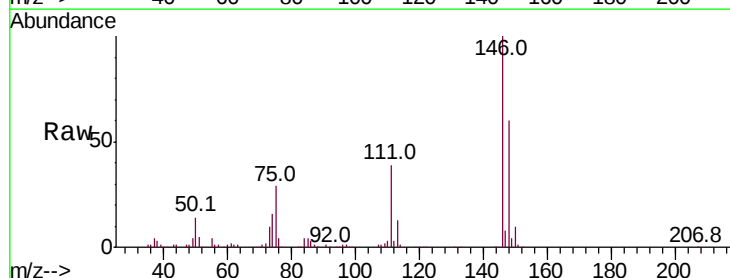
Tgt Ion:146 Resp: 108353

Ion Ratio Lower Upper

146 100

111 40.3 20.1 60.3

148 63.4 32.0 96.0



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V

13.87

80000

60000

40000

20000

0

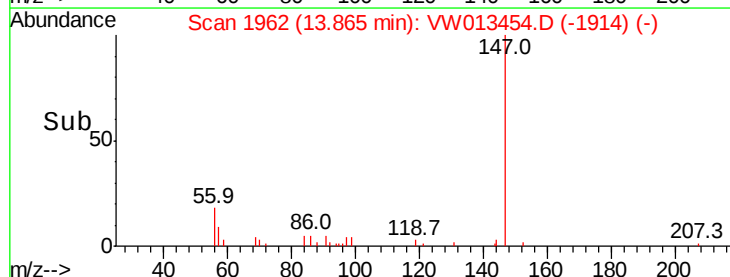
Time-->

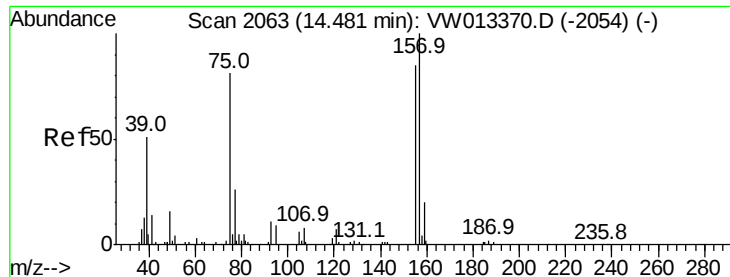
13.80

13.85

13.90

13.95





#92

1,2-Dibromo-3-Chloropropane

Concen: 22.813 ug/l

RT: 14.48 min Scan# 2063

Delta R.T. 0.00 min

Lab File: VW013454.D

Acq: 07 Oct 2019 11:16

Instrument :

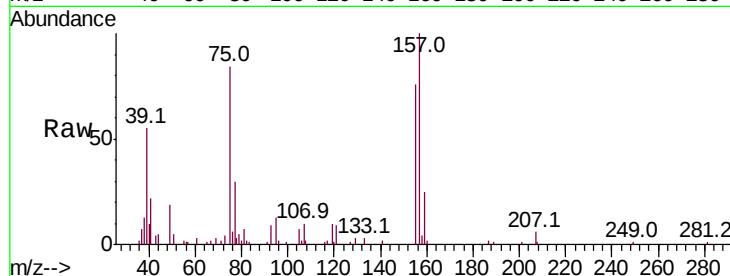
MSVOA_W

ClientSampleId :

VW1007SBS01

Tot Ion: 75 Resp: 7797

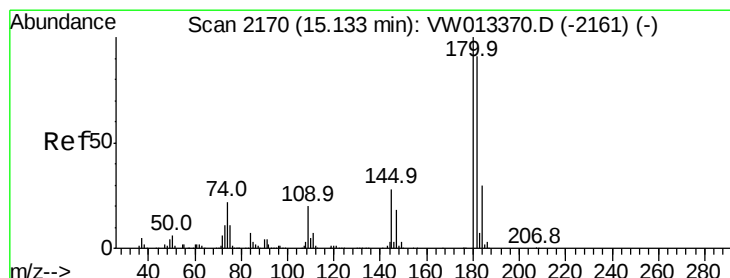
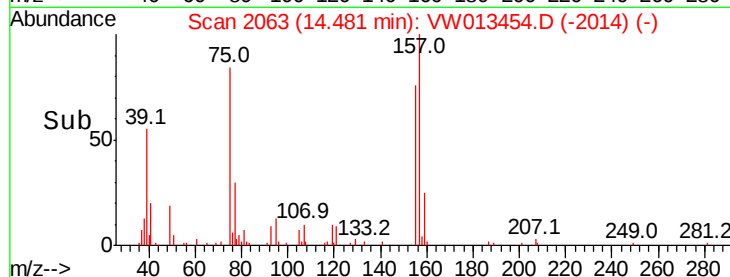
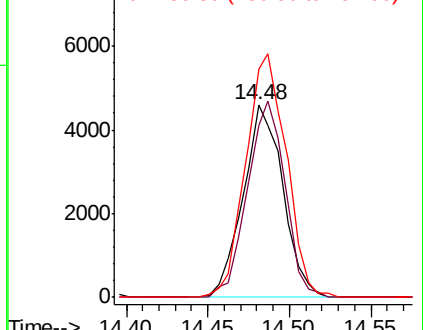
Ion	Ratio	Lower	Upper
75	100		
155	96.4	46.1	138.3
157	128.6	60.4	181.2



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V



#93

1,2,4-Trichlorobenzene

Concen: 20.291 ug/l

RT: 15.13 min Scan# 2170

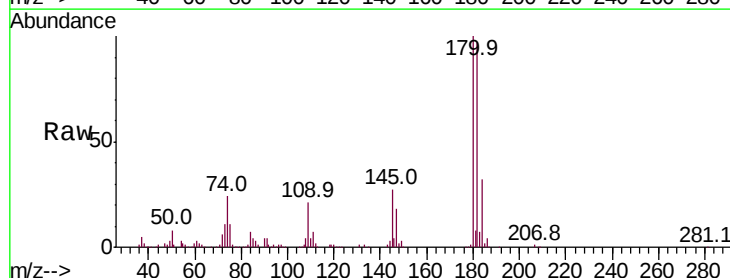
Delta R.T. 0.00 min

Lab File: VW013454.D

Acq: 07 Oct 2019 11:16

Tgt Ion:180 Resp: 78510

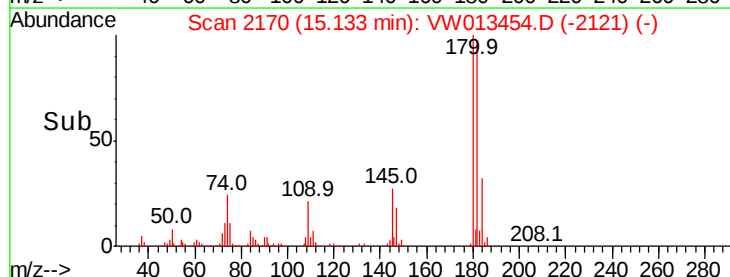
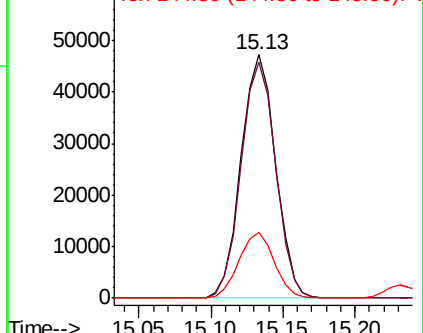
Ion	Ratio	Lower	Upper
180	100		
182	97.1	47.3	142.0
145	27.7	14.2	42.8

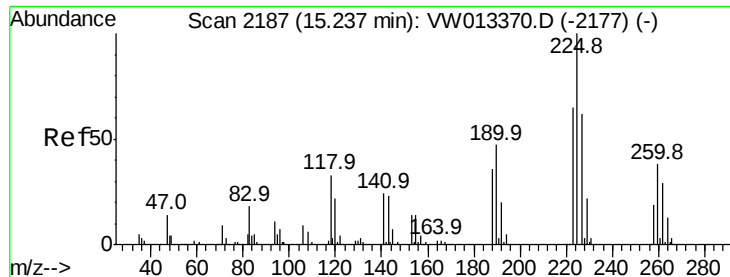


Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V





#94

Hexachlorobutadiene

Concen: 20.979 ug/l

RT: 15.23 min Scan# 2186

Delta R.T. -0.01 min

Lab File: VW013454.D

Acq: 07 Oct 2019 11:16

Instrument :

MSVOA_W

ClientSampleId :

VW1007SBS01

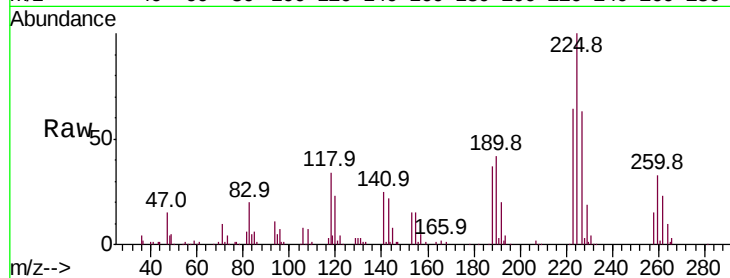
Tot Ion:225 Resp: 52728

Ion Ratio Lower Upper

225 100

223 62.5 30.6 91.8

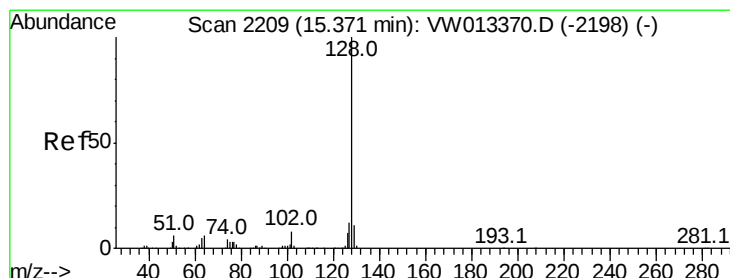
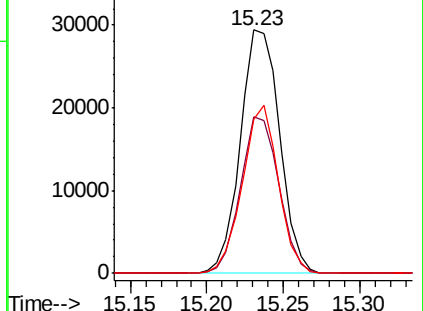
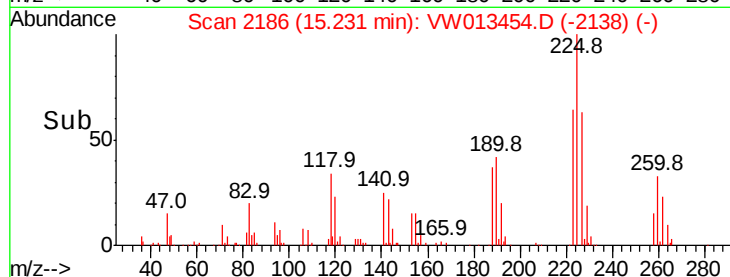
227 62.9 31.9 95.9



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: 22.039 ug/l

RT: 15.36 min Scan# 2208

Delta R.T. -0.01 min

Lab File: VW013454.D

Acq: 07 Oct 2019 11:16

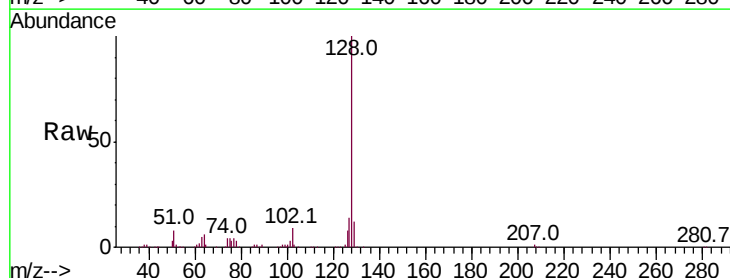
Tgt Ion:128 Resp: 143847

Ion Ratio Lower Upper

128 100

127 13.8 10.6 15.8

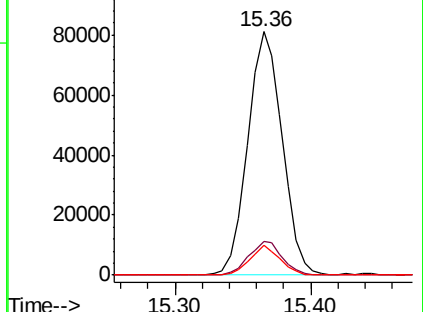
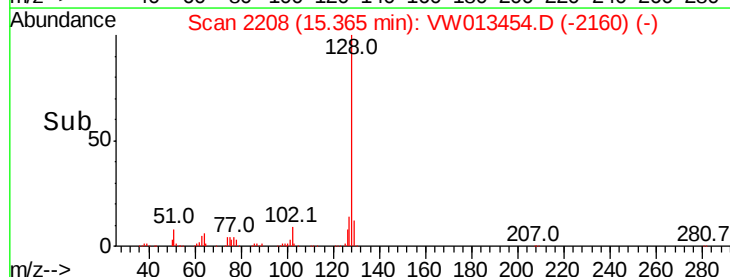
129 10.8 8.7 13.1

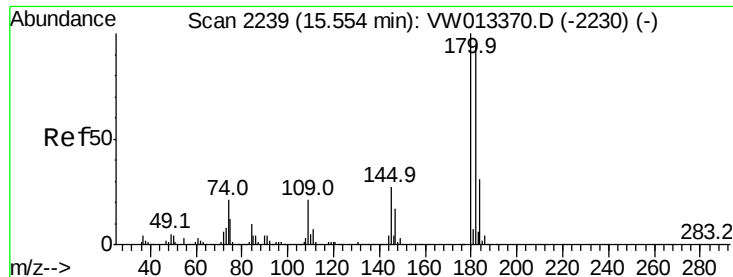


Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V





#96

1,2,3-Trichlorobenzene

Concen: 20.528 ug/l

RT: 15.55 min Scan# 2239

Delta R.T. 0.00 min

Lab File: VW013454.D

Acq: 07 Oct 2019 11:16

Instrument :

MSVOA_W

ClientSampleId :

VW1007SBS01

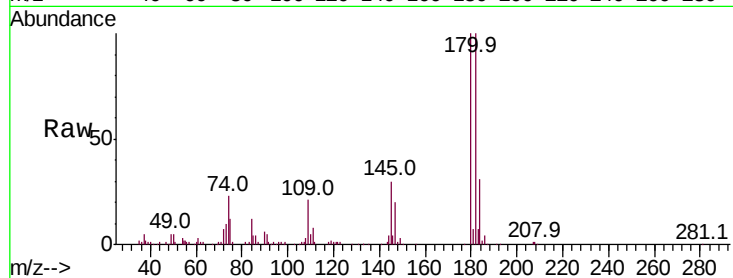
Tot Ion:180 Resp: 69346

Ion Ratio Lower Upper

180 100

182 95.1 47.9 143.7

145 30.6 15.0 45.0



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

