

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW091519\
 Data File : VW013009.D
 Acq On : 14 Sep 2019 22:49
 Operator : SY/VA
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 9/16/2019 11:14:41 AM

Quant Time: Sep 16 07:56:32 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W091419S.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 13 17:26:01 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	250387	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	372919	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	323457	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	162338	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	123828	53.55	ug/l	0.00
Spiked Amount			Recovery	=	107.10%	
35) Dibromofluoromethane	7.88	113	103347	51.07	ug/l	0.00
Spiked Amount			Recovery	=	102.14%	
50) Toluene-d8	10.32	98	419281	52.95	ug/l	0.00
Spiked Amount			Recovery	=	105.90%	
62) 4-Bromofluorobenzene	12.62	95	147585	51.83	ug/l	0.00
Spiked Amount			Recovery	=	103.66%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.01	85	50944	53.467	ug/l	82
3) Chloromethane	2.21	50	69853	58.833	ug/l	95
4) Vinyl Chloride	2.36	62	92949	51.863	ug/l	100
5) Bromomethane	2.77	94	57241	52.300	ug/l	92
6) Chloroethane	2.92	64	60242	54.806	ug/l	98
7) Trichlorofluoromethane	3.25	101	58258	46.485	ug/l	98
8) Diethyl Ether	3.68	74	54524	55.717	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.06	101	100643	52.947	ug/l	97
10) Methyl Iodide	4.27	142	131956	55.471	ug/l	99
11) Tert butyl alcohol	5.18	59	47255	307.656	ug/l	99
12) 1,1-Dichloroethene	4.04	96	92674	53.621	ug/l	96
13) Acrolein	3.89	56	54642	322.558	ug/l	98
14) Allyl chloride	4.67	41	180328	54.960	ug/l	98
15) Acrylonitrile	5.36	53	151391	302.896	ug/l	100
16) Acetone	4.12	43	136020	272.859	ug/l	99
17) Carbon Disulfide	4.38	76	175748	51.027	ug/l	100
18) Methyl Acetate	4.67	43	88697	67.323	ug/l	98
19) Methyl tert-butyl Ether	5.42	73	202772	59.436	ug/l	96
20) Methylene Chloride	4.91	84	110724	60.339	ug/l	96
21) trans-1,2-Dichloroethene	5.42	96	98818	53.384	ug/l	97
22) Diisopropyl ether	6.31	45	389680	57.169	ug/l	99
23) Vinyl Acetate	6.25	43	1145592	280.609	ug/l	99
24) 1,1-Dichloroethane	6.21	63	212852	54.160	ug/l	99
25) 2-Butanone	7.16	43	209128	284.403	ug/l	99
26) 2,2-Dichloropropane	7.16	77	127069	51.037	ug/l	99
27) cis-1,2-Dichloroethene	7.16	96	122442	55.250	ug/l	97
28) Bromochloromethane	7.51	49	94747	57.279	ug/l	# 99
29) Tetrahydrofuran	7.53	42	131512	313.892	ug/l	99
30) Chloroform	7.67	83	215620	53.997	ug/l	96
31) Cyclohexane	7.95	56	161730	55.269	ug/l	99
32) 1,1,1-Trichloroethane	7.87	97	177375	53.938	ug/l	97
36) 1,1-Dichloropropene	8.08	75	153339	51.457	ug/l	99
37) Ethyl Acetate	7.25	43	90740	57.368	ug/l	99
38) Carbon Tetrachloride	8.07	117	156818	51.352	ug/l	93

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	166546	51.004	ug/l	99
40) Benzene	8.32	78	438273	52.683	ug/l	99
41) Methacrylonitrile	7.48	41	58455	56.119	ug/l	98
42) 1,2-Dichloroethane	8.40	62	147140	52.763	ug/l	98
43) Isopropyl Acetate	8.42	43	174595	57.490	ug/l	100
44) Trichloroethene	9.09	130	119003	52.225	ug/l	92
45) 1,2-Dichloropropane	9.37	63	119197	53.930	ug/l	98
46) Dibromomethane	9.46	93	59583	56.268	ug/l	97
47) Bromodichloromethane	9.64	83	159969	53.857	ug/l	98
48) Methyl methacrylate	9.43	41	83925	58.883	ug/l	98
49) 1,4-Dioxane	9.46	88	20450	1152.532	ug/l #	73
51) 4-Methyl-2-Pentanone	10.21	43	471797	300.908	ug/l	99
52) Toluene	10.38	92	283526	53.635	ug/l	100
53) t-1,3-Dichloropropene	10.60	75	161905	54.199	ug/l	99
54) cis-1,3-Dichloropropene	10.07	75	182903	53.512	ug/l	97
55) 1,1,2-Trichloroethane	10.79	97	91010	56.417	ug/l	99
56) Ethyl methacrylate	10.65	69	129958	59.851	ug/l	99
57) 1,3-Dichloropropane	10.93	76	161071	56.287	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.92	63	322652	277.008	ug/l	100
59) 2-Hexanone	10.97	43	323514	296.325	ug/l	100
60) Dibromochloromethane	11.13	129	107093	54.911	ug/l	97
61) 1,2-Dibromoethane	11.23	107	83682	56.866	ug/l	100
64) Tetrachloroethene	10.86	164	109868	57.096	ug/l	99
65) Chlorobenzene	11.66	112	306597	53.215	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.73	131	117187	53.076	ug/l	99
67) Ethyl Benzene	11.73	91	569362	53.507	ug/l	99
68) m/p-Xylenes	11.84	106	421937	108.544	ug/l	99
69) o-Xylene	12.16	106	198378	54.434	ug/l	98
70) Styrene	12.18	104	352921	54.439	ug/l	100
71) Bromoform	12.35	173	66803	57.601	ug/l #	99
73) Isopropylbenzene	12.46	105	572826	53.236	ug/l	100
74) N-amyl acetate	12.27	43	159990	57.801	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.71	83	109479	57.929	ug/l	100
76) 1,2,3-Trichloropropane	12.77	75	87336m	61.420	ug/l	
77) Bromobenzene	12.74	156	135177	54.531	ug/l	99
78) n-propylbenzene	12.80	91	681560	53.847	ug/l	100
79) 2-Chlorotoluene	12.89	91	389182	53.488	ug/l	100
80) 1,3,5-Trimethylbenzene	12.94	105	487122	53.512	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.51	75	34311	54.737	ug/l	99
82) 4-Chlorotoluene	12.99	91	405867	52.867	ug/l	99
83) tert-Butylbenzene	13.21	119	435637	53.502	ug/l	99
84) 1,2,4-Trimethylbenzene	13.25	105	482686	53.659	ug/l	99
85) sec-Butylbenzene	13.38	105	592175	53.380	ug/l	99
86) p-Isopropyltoluene	13.50	119	547678	53.772	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	261049	53.197	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	255562	52.996	ug/l	99
89) n-Butylbenzene	13.82	91	511766	53.279	ug/l	99
90) Hexachloroethane	14.09	117	97625	53.486	ug/l	97
91) 1,2-Dichlorobenzene	13.87	146	233545	54.119	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.48	75	20278	58.618	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	170806	55.500	ug/l	100
94) Hexachlorobutadiene	15.24	225	113360	52.031	ug/l	99
95) Naphthalene	15.36	128	322003	62.619	ug/l	99
96) 1,2,3-Trichlorobenzene	15.55	180	154680	56.857	ug/l	100

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

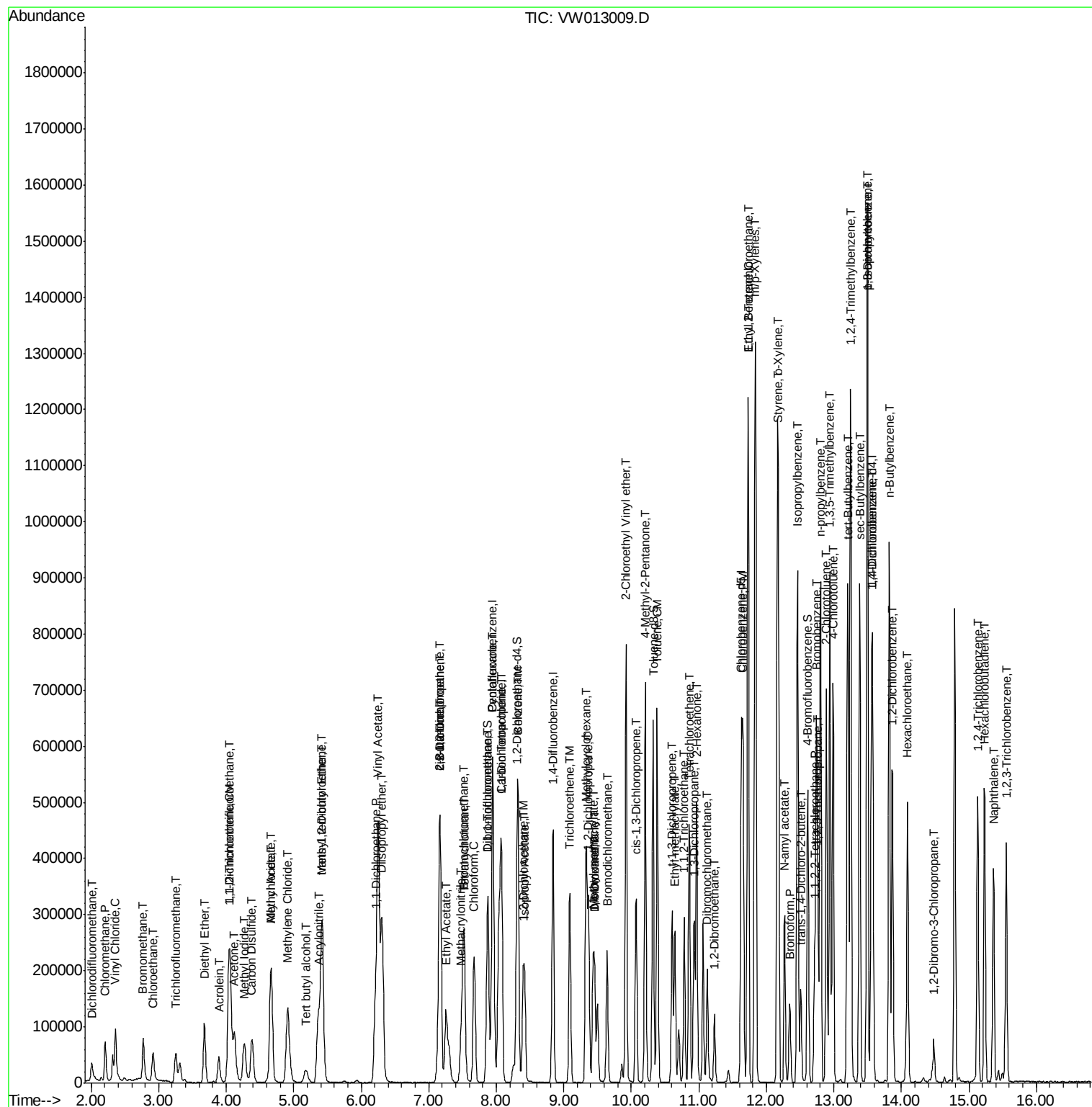
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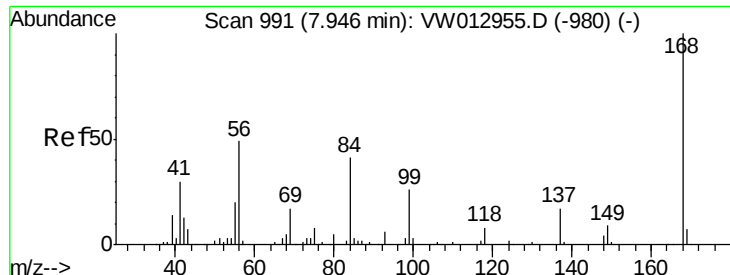
Instrument :
MSVOA_W
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.00 min

Lab File: VW013009.D

Acq: 14 Sep 2019 22:49

Tot Ion: 168 Resp: 250387

Ion Ratio Lower Upper

168 100

99 54.2 46.2 69.2

Instrument :

MSVOA_W

ClientSampleId :

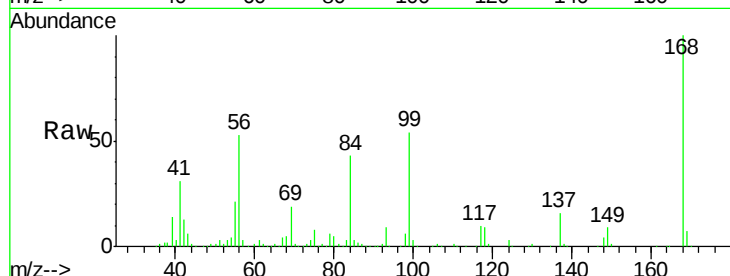
VSTDCCC050

Manual Integrations

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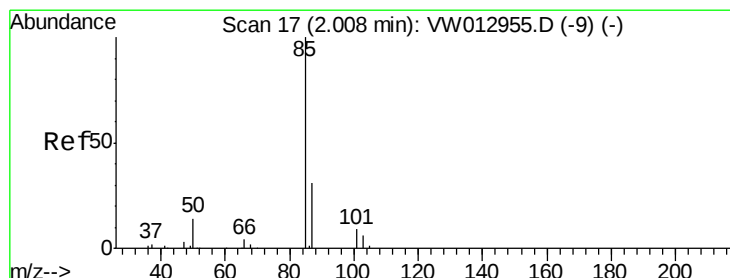
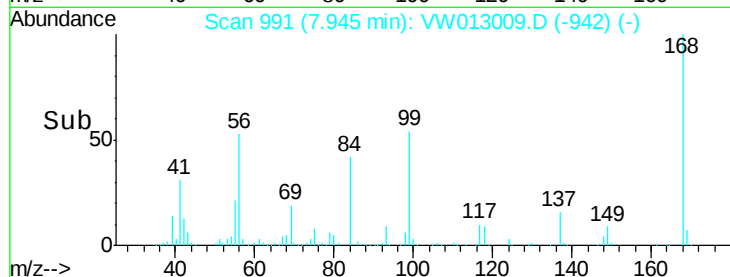
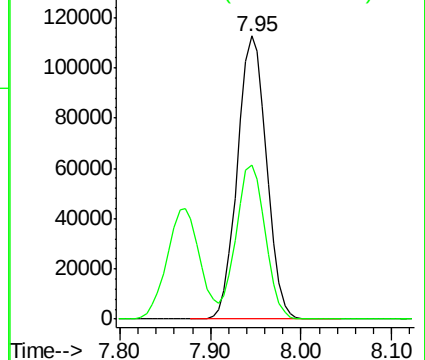
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#2

Dichlorodifluoromethane

Concen: 53.467 ug/l

RT: 2.01 min Scan# 17

Delta R.T. 0.00 min

Lab File: VW013009.D

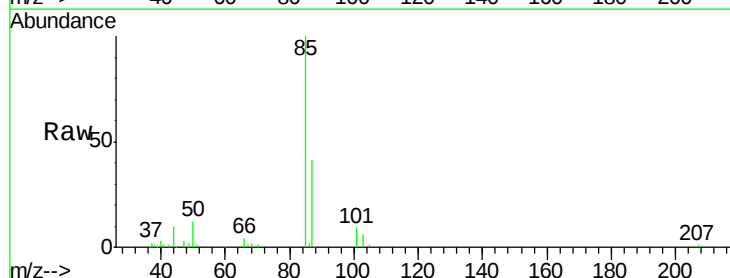
Acq: 14 Sep 2019 22:49

Tgt Ion: 85 Resp: 50944

Ion Ratio Lower Upper

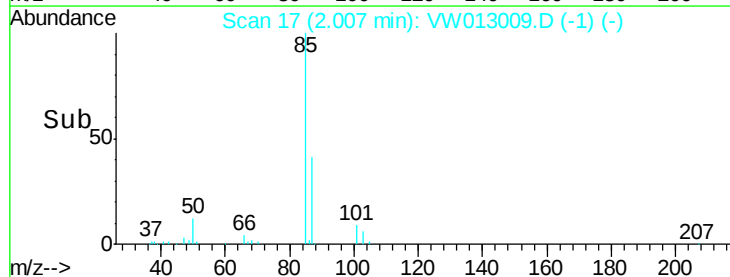
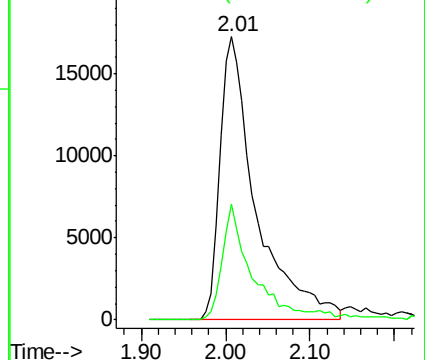
85 100

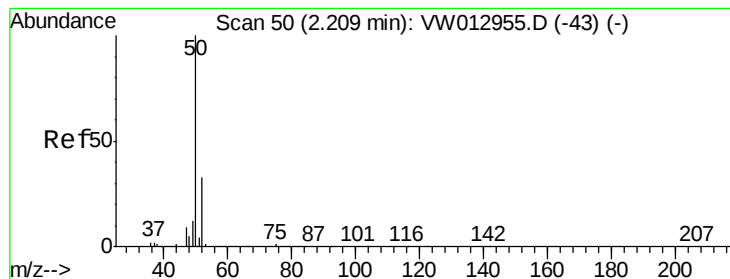
87 40.8 15.4 46.4



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW





#3

Chloromethane

Concen: 58.833 ug/l

RT: 2.21 min Scan# 50

Delta R.T. 0.00 min

Lab File: VW013009.D

Acq: 14 Sep 2019 22:49

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 69853

Ion Ratio Lower Upper

50 100

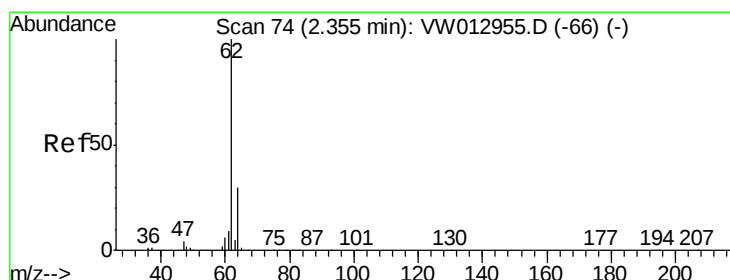
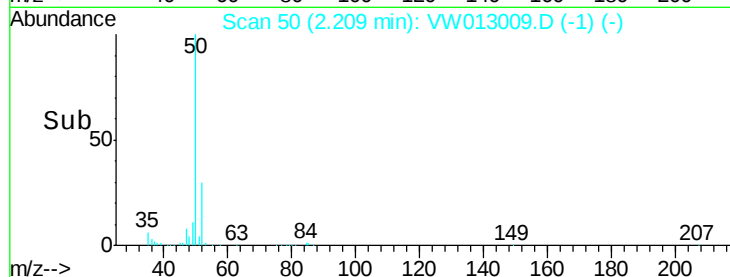
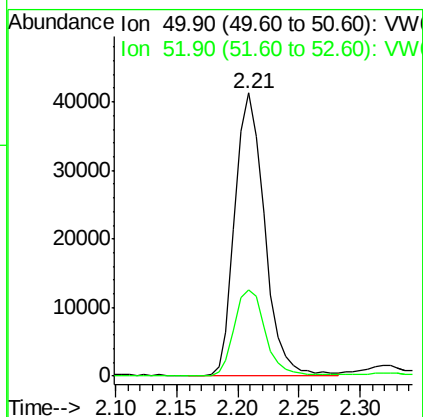
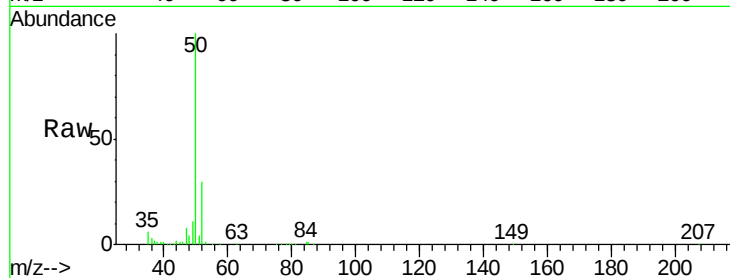
52 30.5 26.6 39.8

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#4

Vinyl Chloride

Concen: 51.863 ug/l

RT: 2.36 min Scan# 75

Delta R.T. 0.01 min

Lab File: VW013009.D

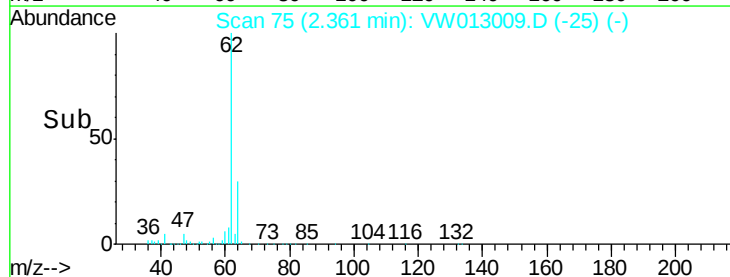
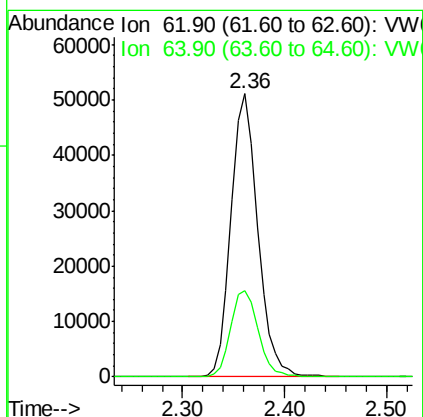
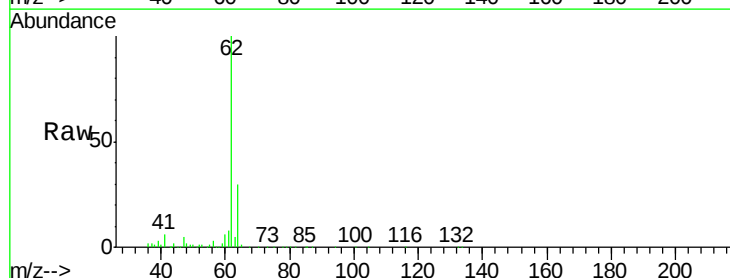
Acq: 14 Sep 2019 22:49

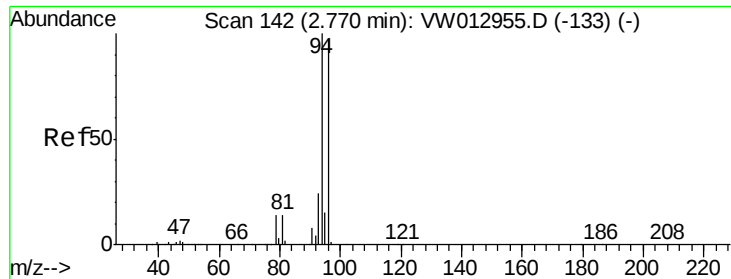
Tgt Ion: 62 Resp: 92949

Ion Ratio Lower Upper

62 100

64 30.3 24.2 36.4





#5

Bromomethane

Concen: 52.300 ug/l

RT: 2.77 min Scan# 142

Delta R.T. -0.00 min

Lab File: VW013009.D

Acq: 14 Sep 2019 22:49

Instrument :

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ClientSampleId :

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Tot Ion: 94 Resp: 57241

Ion Ratio Lower Upper

94 100

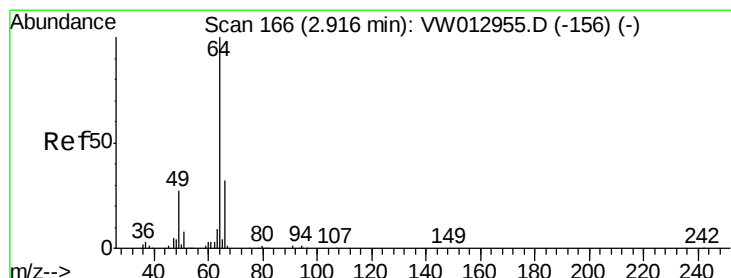
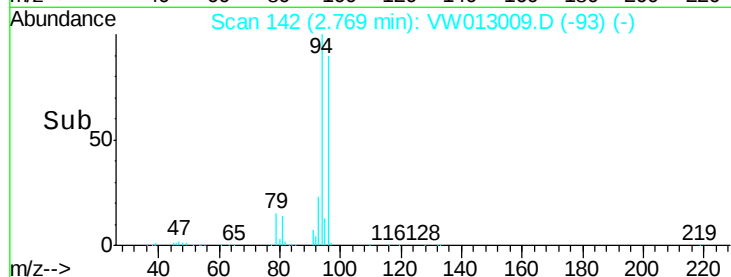
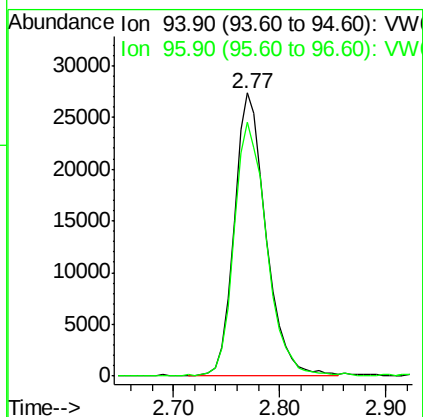
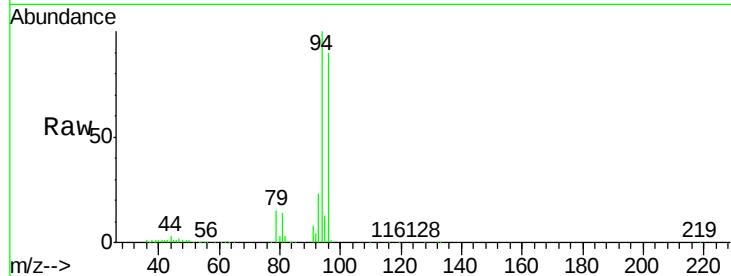
96 89.1 77.8 116.6

Manual Integrations

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#6

Chloroethane

Concen: 54.806 ug/l

RT: 2.92 min Scan# 166

Delta R.T. -0.00 min

Lab File: VW013009.D

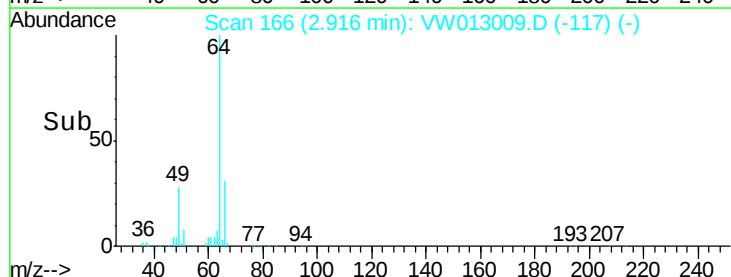
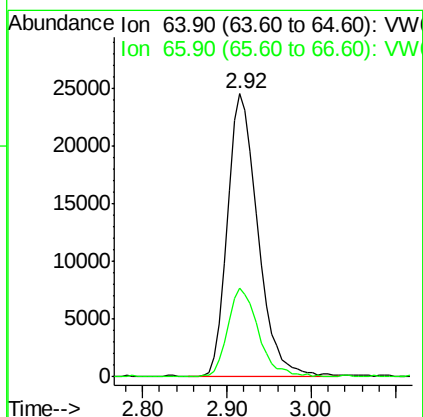
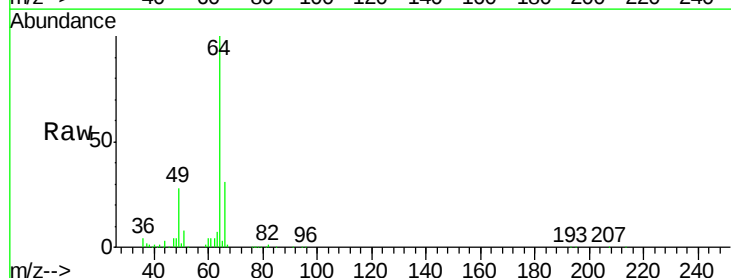
Acq: 14 Sep 2019 22:49

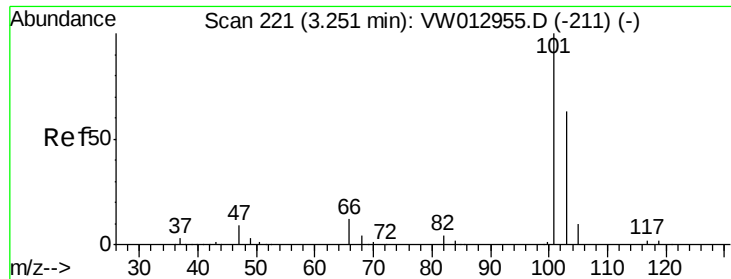
Tgt Ion: 64 Resp: 60242

Ion Ratio Lower Upper

64 100

66 31.2 25.9 38.9





#7

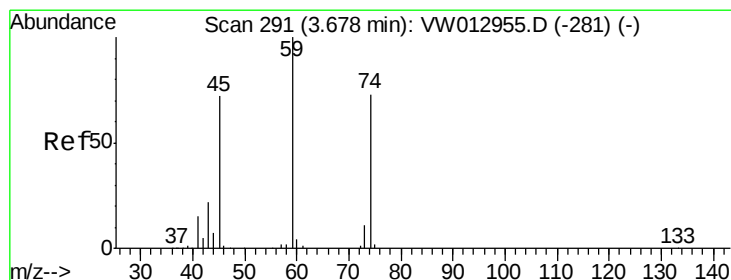
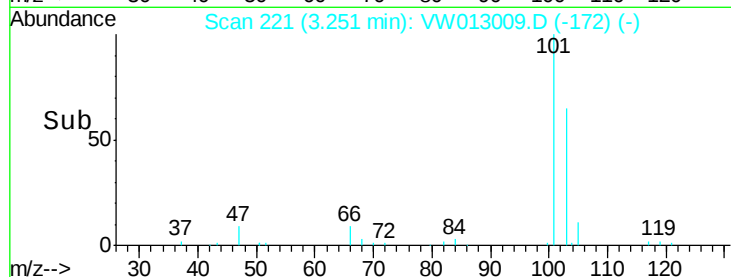
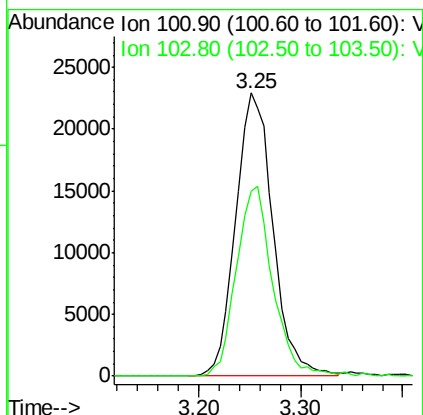
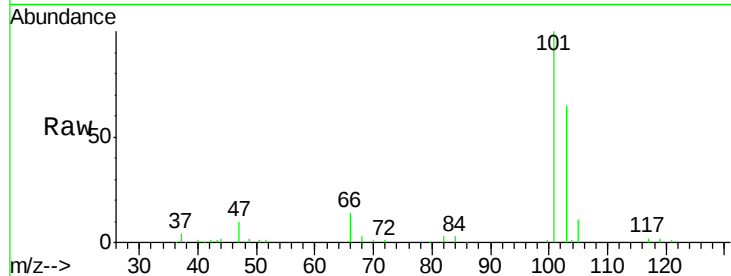
Trichlorofluoromethane
 Concen: 46.485 ug/l
 RT: 3.25 min Scan# 221
 Delta R.T. -0.00 min
 Lab File: VW013009.D
 Acq: 14 Sep 2019 22:49

Instrument :
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Tot Ion	101	Resp	58258
Ion Ratio	100	Lower	Upper
101	100		
103	65.3	50.7	76.1

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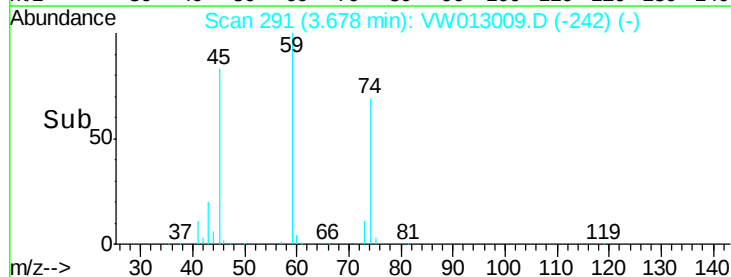
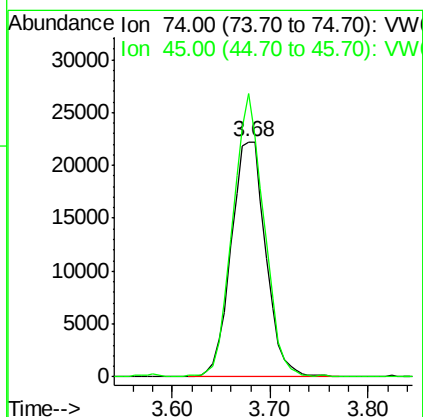
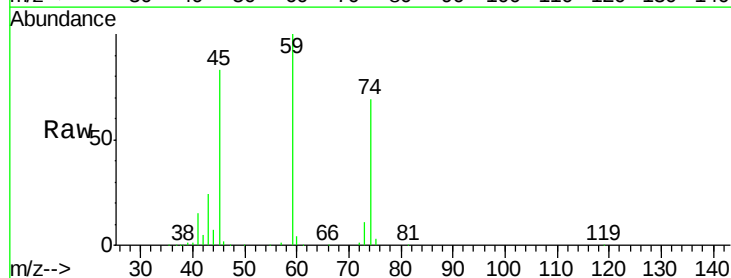
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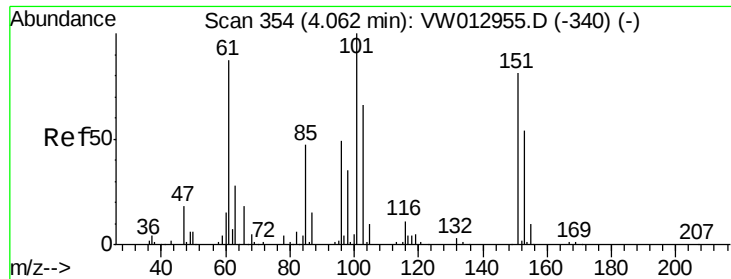


#8

Diethyl Ether
 Concen: 55.717 ug/l
 RT: 3.68 min Scan# 291
 Delta R.T. -0.00 min
 Lab File: VW013009.D
 Acq: 14 Sep 2019 22:49

Tgt Ion	74	Resp	54524
Ion Ratio	100	Lower	Upper
74	100		
45	108.2	53.8	161.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 52.947 ug/l

RT: 4.06 min Scan# 353

Delta R.T. -0.01 min

Lab File: VW013009.D

Acq: 14 Sep 2019 22:49

Instrument :

MSVOA_W

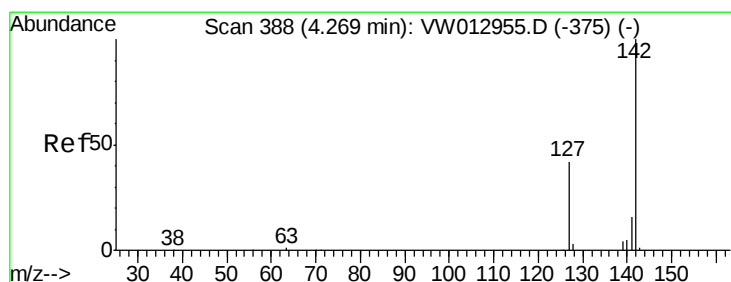
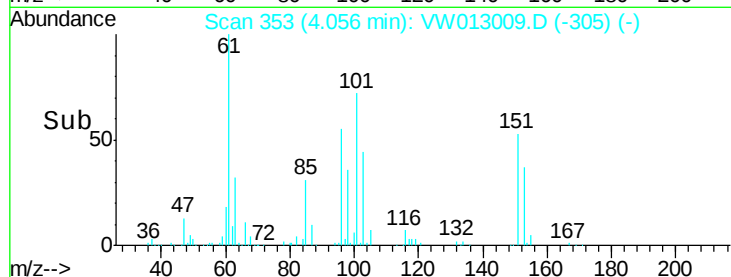
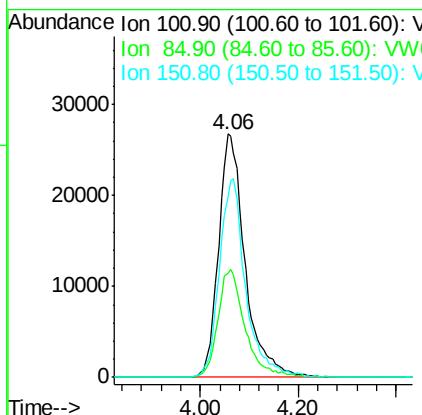
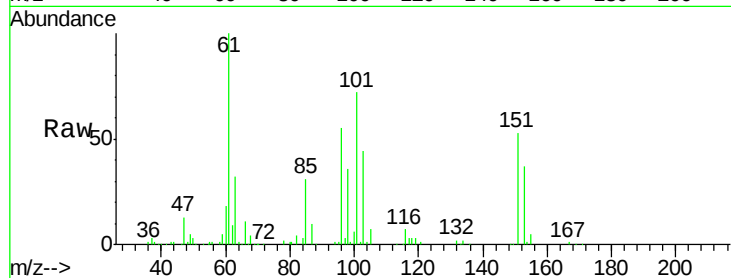
ClientSampleId :

VSTDCCC050

Tot Ion:	101	Resp:	100643
Ion Ratio	Lower	Upper	
101	100		
85	45.1	34.9	52.3
151	79.9	66.0	99.0

Manual Integrations
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#10

Methyl Iodide

Concen: 55.471 ug/l

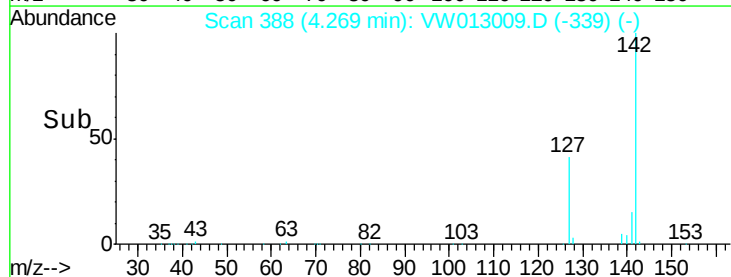
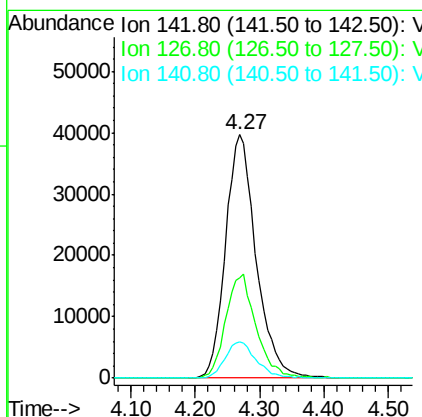
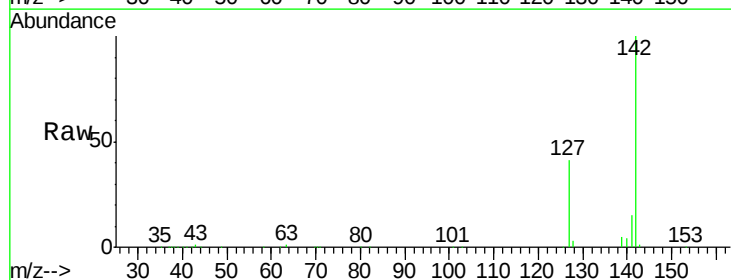
RT: 4.27 min Scan# 388

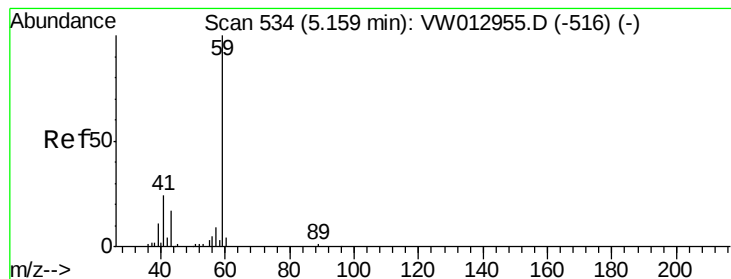
Delta R.T. -0.00 min

Lab File: VW013009.D

Acq: 14 Sep 2019 22:49

Tgt Ion:	142	Resp:	131956
Ion Ratio	Lower	Upper	
142	100		
127	42.3	34.7	52.1
141	15.2	12.2	18.2





#11

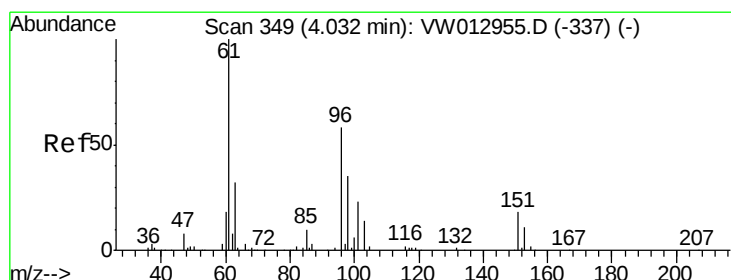
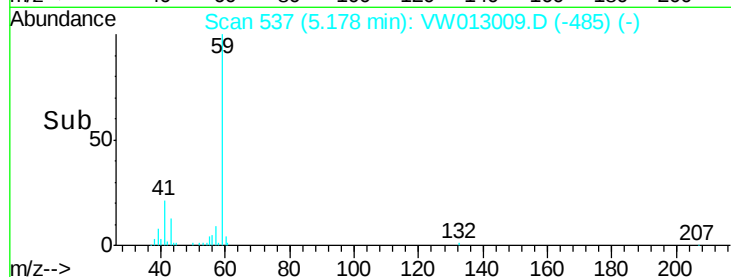
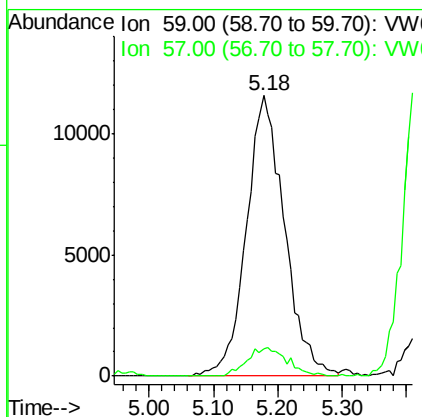
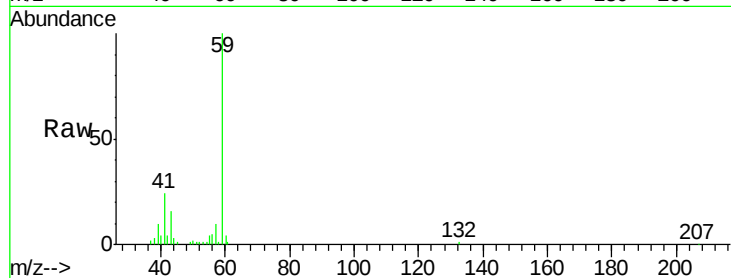
Tert butyl alcohol
Concen: 307.656 ug/l
RT: 5.18 min Scan# 537
Delta R.T. 0.02 min
Lab File: VW013009.D
Acq: 14 Sep 2019 22:49

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
59	100	47255		
57	10.8		8.5	12.7

Manual Integrations
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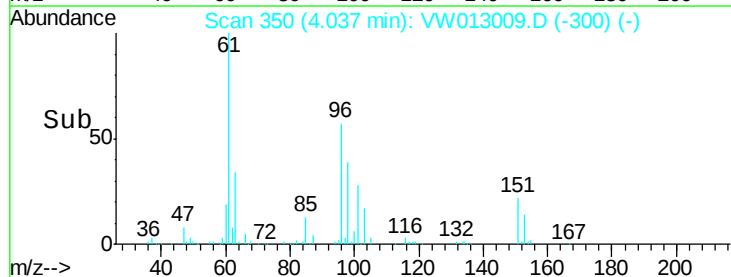
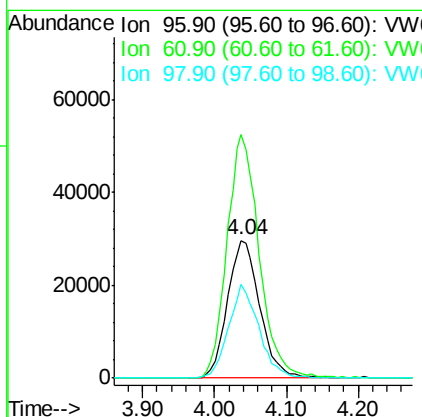
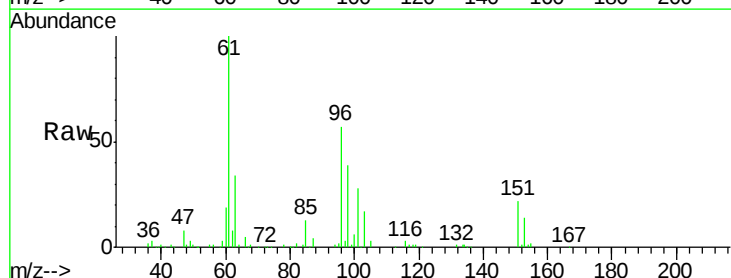
MMDadoda
9/16/2019 11:14:41 AM

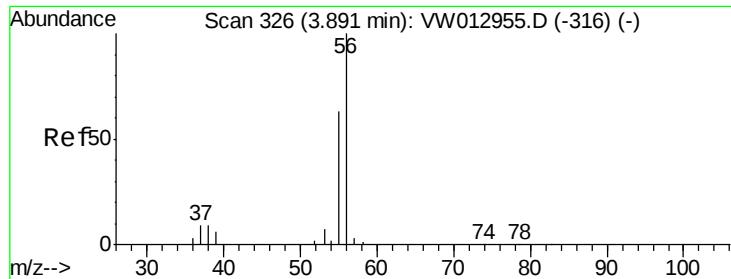


#12

1,1-Dichloroethene
Concen: 53.621 ug/l
RT: 4.04 min Scan# 350
Delta R.T. 0.01 min
Lab File: VW013009.D
Acq: 14 Sep 2019 22:49

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	92674		
61	176.4		137.9	206.9
98	68.0		48.9	73.3





#13

Acrolein

Concen: 322.558 ug/l

RT: 3.89 min Scan# 326

Delta R.T. 0.00 min

Lab File: VW013009.D

Acq: 14 Sep 2019 22:49

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 54642

Ion Ratio Lower Upper

56 100

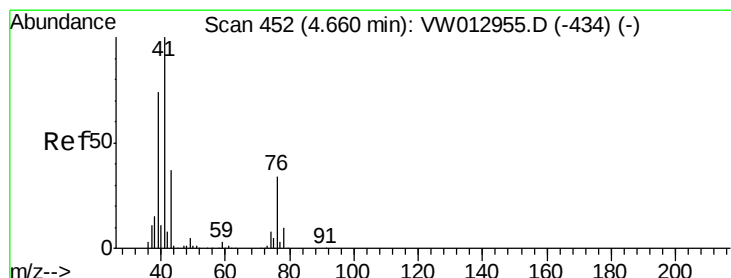
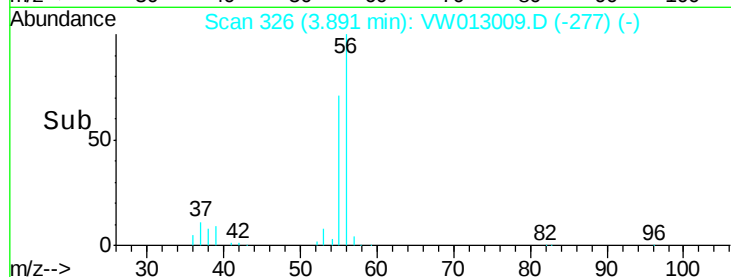
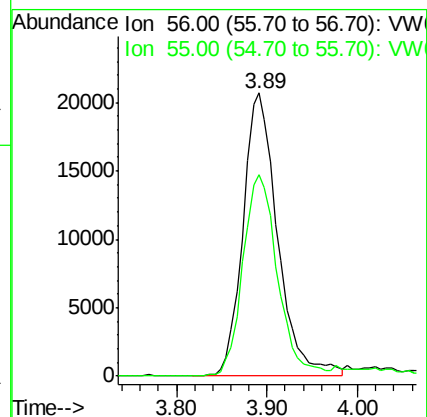
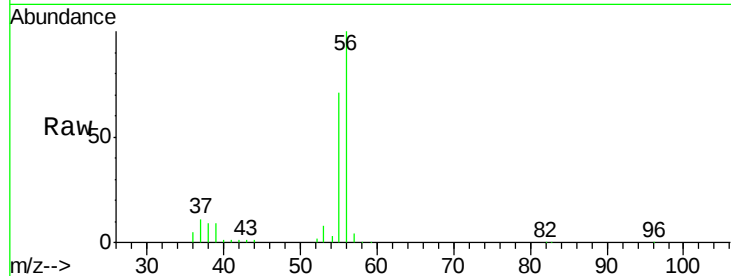
55 71.5 55.8 83.8

Manual Integrations

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MMDadoda

9/16/2019 11:14:41 AM



#14

Allyl chloride

Concen: 54.960 ug/l

RT: 4.67 min Scan# 453

Delta R.T. 0.01 min

Lab File: VW013009.D

Acq: 14 Sep 2019 22:49

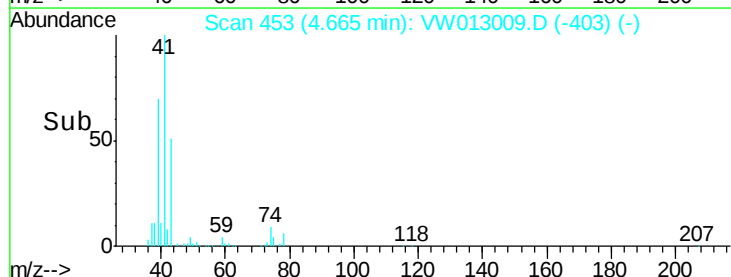
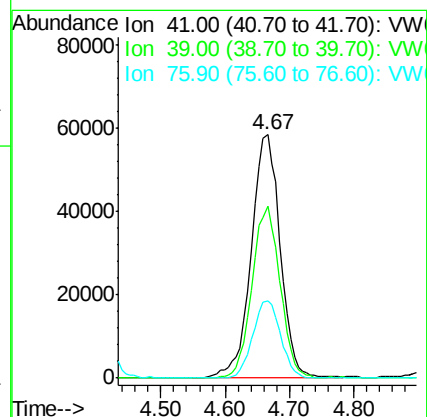
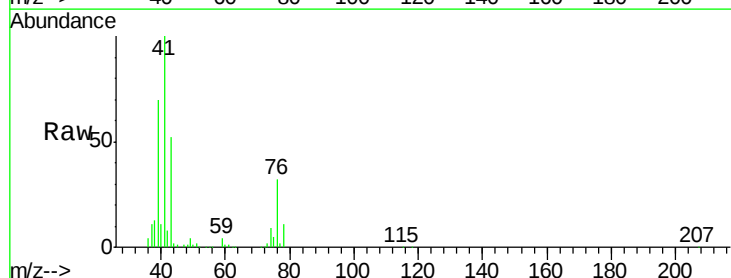
Tgt Ion: 41 Resp: 180328

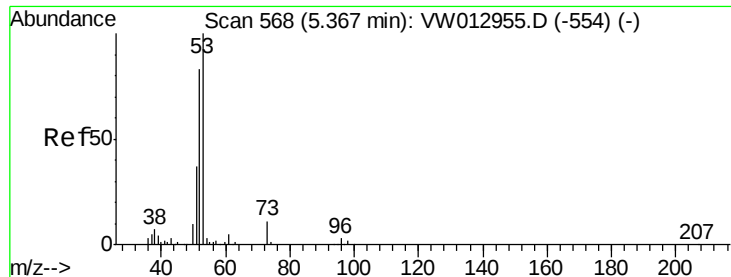
Ion Ratio Lower Upper

41 100

39 68.5 56.7 85.1

76 30.7 25.1 37.7





#15

Acrylonitrile

Concen: 302.896 ug/l

RT: 5.36 min Scan# 567

Delta R.T. -0.01 min

Lab File: VW013009.D

Acq: 14 Sep 2019 22:49

Instrument :

MSVOA_W

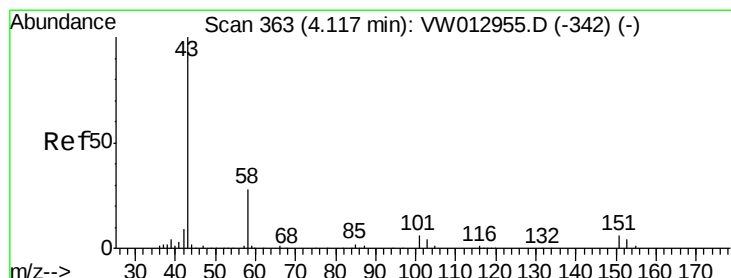
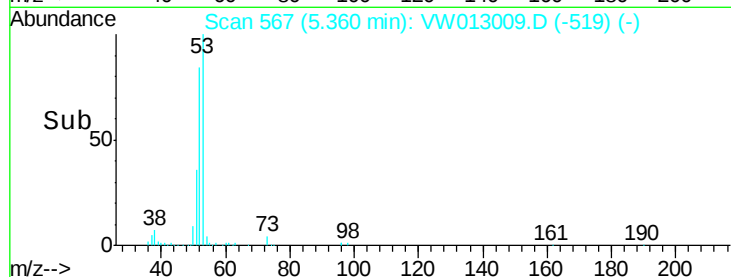
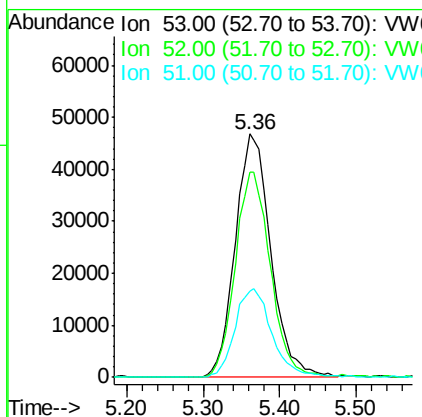
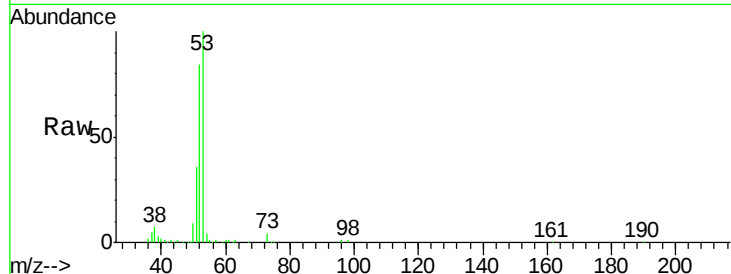
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	151391
Ion Ratio	Lower	Upper	
53	100		
52	83.4	66.6	100.0
51	37.8	29.8	44.8

Manual Integrations
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#16

Acetone

Concen: 272.859 ug/l

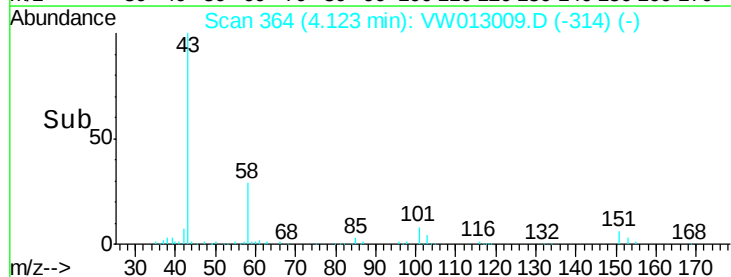
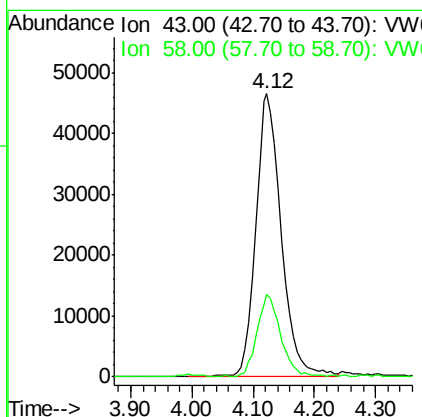
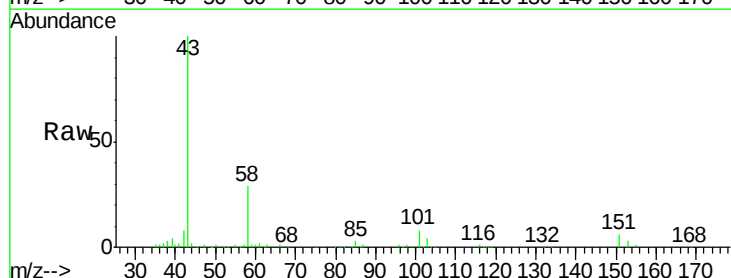
RT: 4.12 min Scan# 364

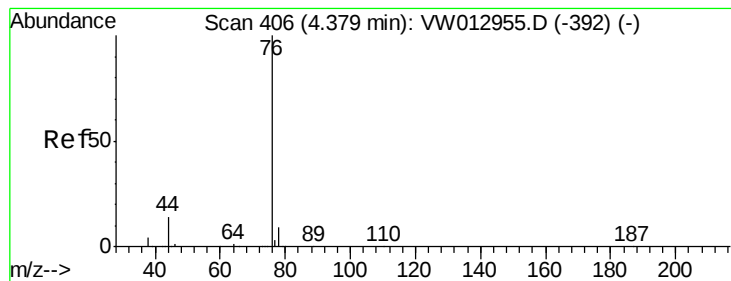
Delta R.T. 0.01 min

Lab File: VW013009.D

Acq: 14 Sep 2019 22:49

Tgt Ion:	43	Resp:	136020
Ion Ratio	Lower	Upper	
43	100		
58	28.5	22.3	33.5





#17

Carbon Disulfide

Concen: 51.027 ug/l

RT: 4.38 min Scan# 406

Delta R.T. -0.00 min

Lab File: VW013009.D

Acq: 14 Sep 2019 22:49

Tot Ion: 76 Resp: 175748

Ion Ratio Lower Upper

76 100

78 8.7 7.0 10.4

Instrument :

MSVOA_W

ClientSampleId :

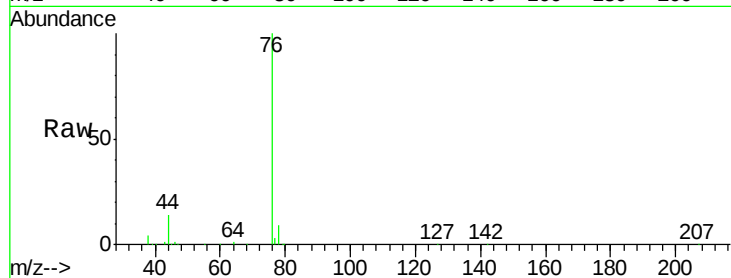
VSTDCCC050

Manual Integrations

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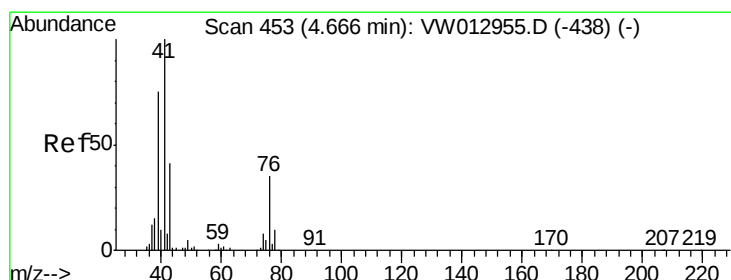
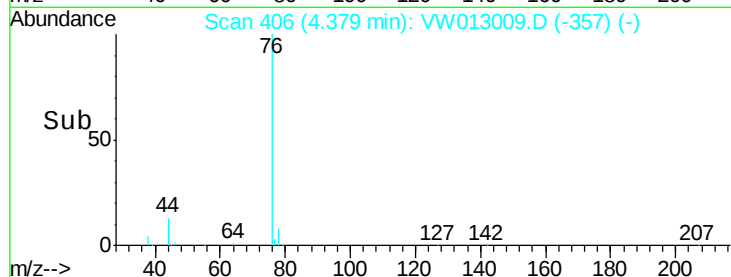
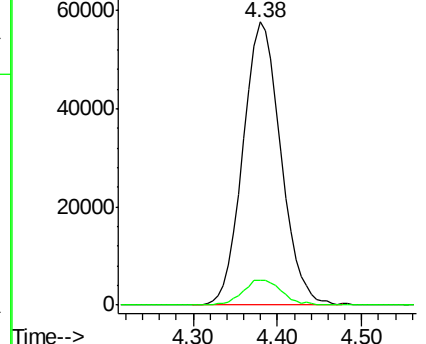
MMDadoda

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Abundance Ion 75.90 (75.60 to 76.60): VW

Ion 77.90 (77.60 to 78.60): VW



#18

Methyl Acetate

Concen: 67.323 ug/l

RT: 4.67 min Scan# 453

Delta R.T. -0.00 min

Lab File: VW013009.D

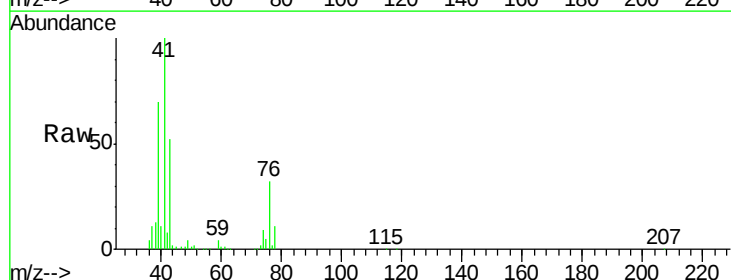
Acq: 14 Sep 2019 22:49

Tgt Ion: 43 Resp: 88697

Ion Ratio Lower Upper

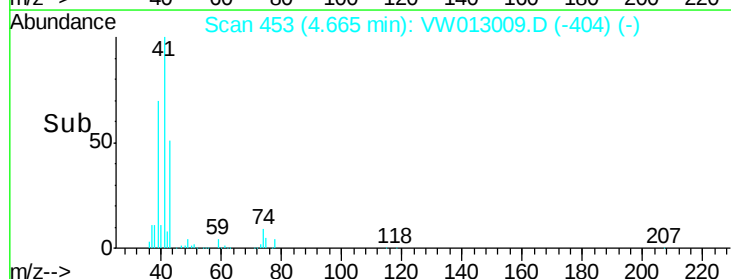
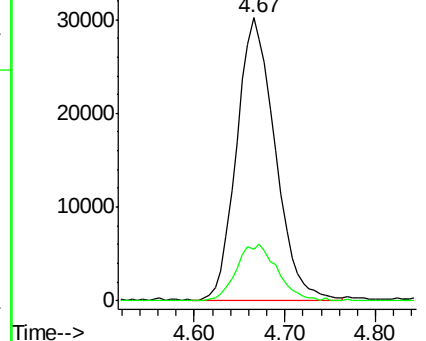
43 100

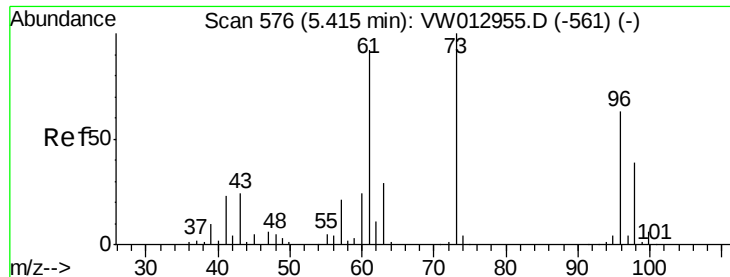
74 21.4 17.8 26.8



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 74.00 (73.70 to 74.70): VW





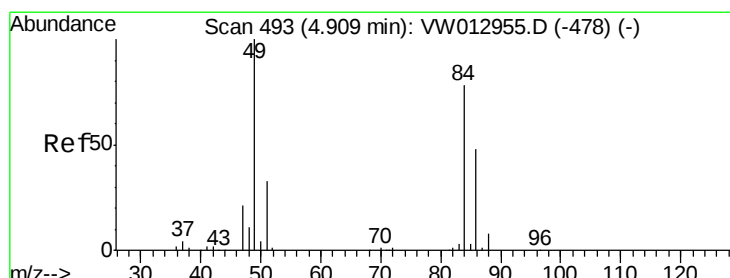
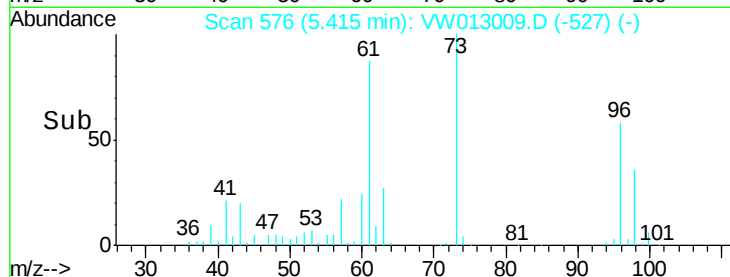
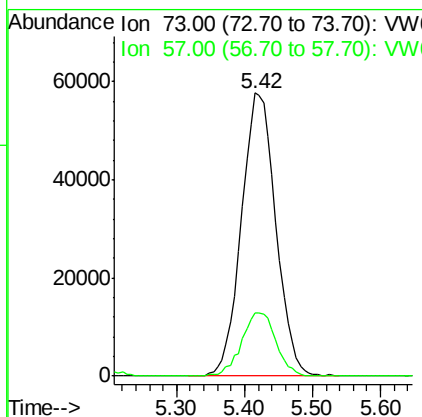
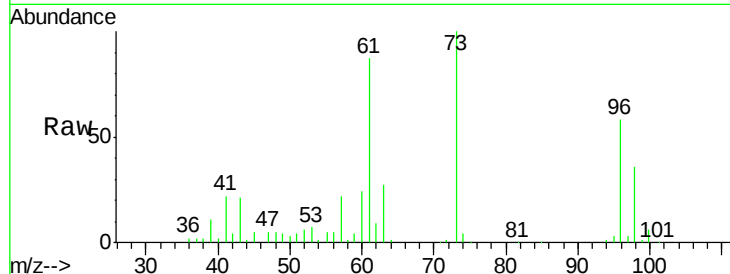
#19
Methyl tert-butyl Ether
Concen: 59.436 ug/l
RT: 5.42 min Scan# 576
Delta R.T. -0.00 min
Lab File: VW013009.D
Acq: 14 Sep 2019 22:49

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion: 73 Resp: 202772
Ion Ratio Lower Upper
73 100
57 22.3 16.4 24.6

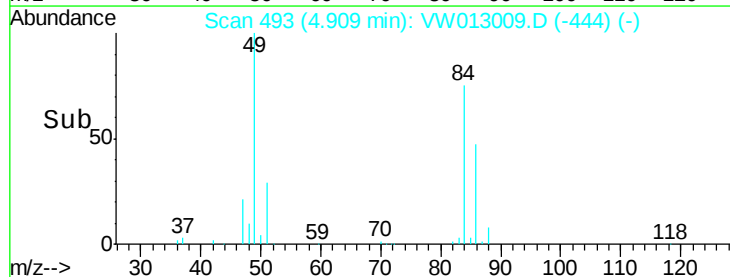
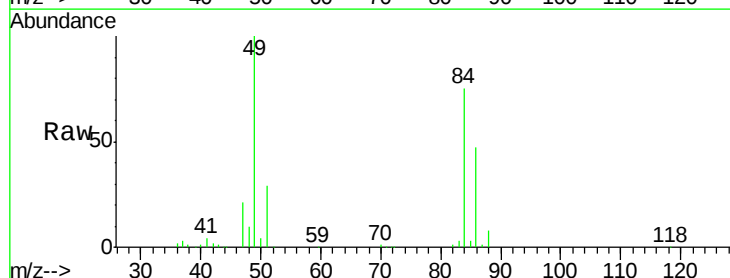
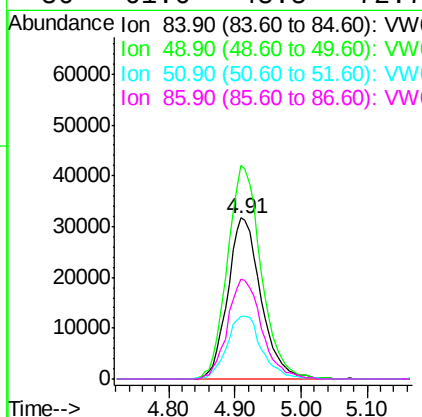
Manual Integrations
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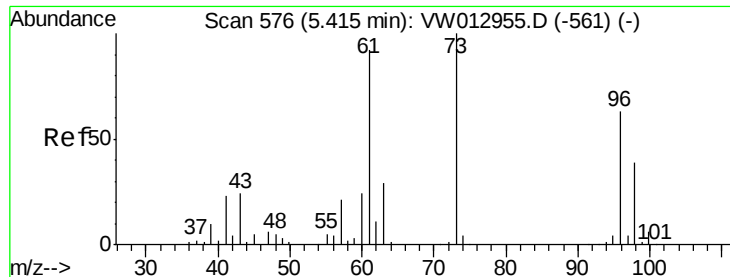
MMDadoda
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#20
Methylene Chloride
Concen: 60.339 ug/l
RT: 4.91 min Scan# 493
Delta R.T. 0.00 min
Lab File: VW013009.D
Acq: 14 Sep 2019 22:49

Tgt Ion: 84 Resp: 110724
Ion Ratio Lower Upper
84 100
49 132.3 102.0 153.0
51 39.0 34.0 51.0
86 61.6 48.5 72.7





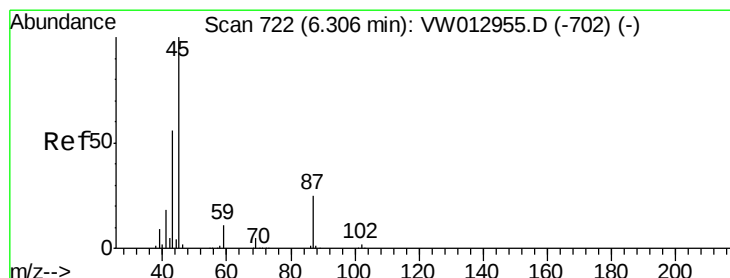
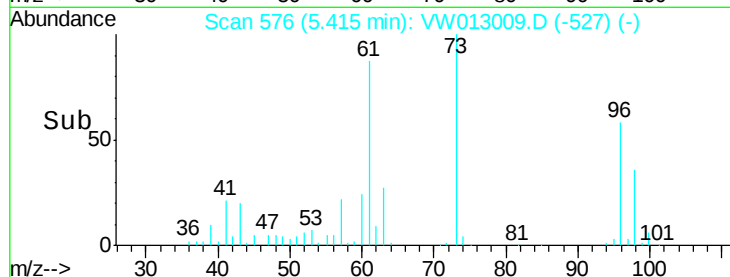
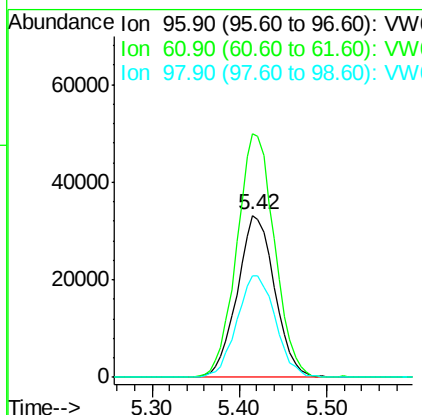
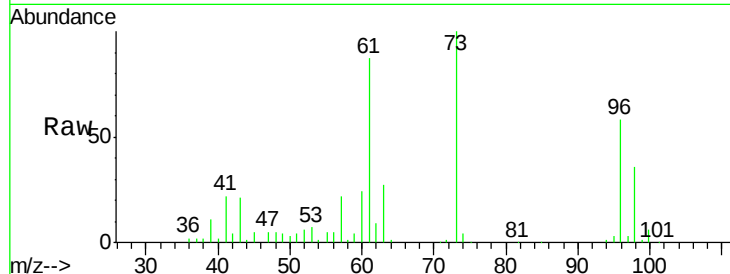
#21
trans-1,2-Dichloroethene
Concen: 53.384 ug/l
RT: 5.42 min Scan# 576
Delta R.T. -0.00 min
Lab File: VW013009.D
Acq: 14 Sep 2019 22:49

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
96	100		
61	150.1	116.2	174.2
98	62.6	49.8	74.6

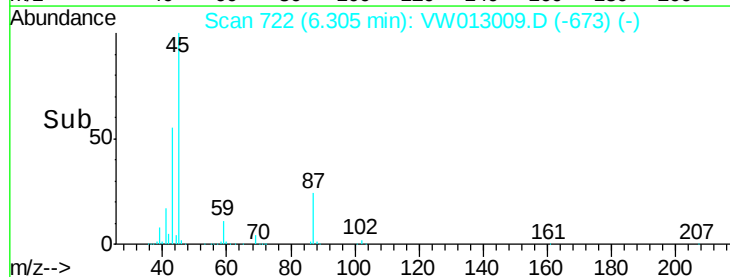
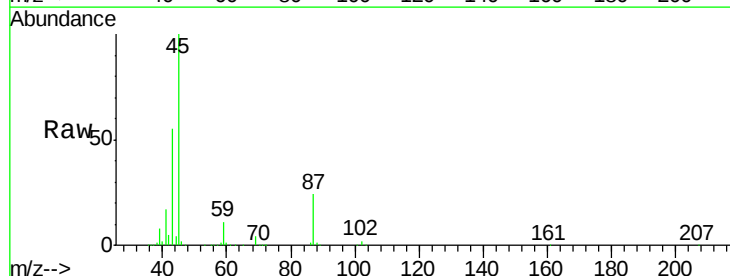
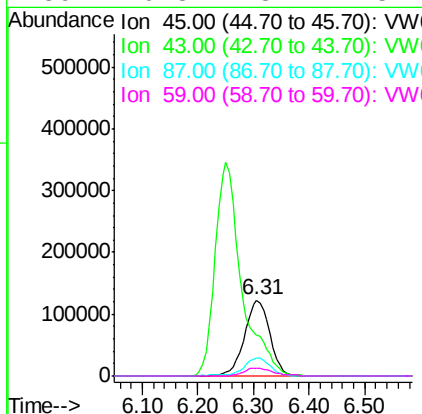
Manual Integrations
APPROVED

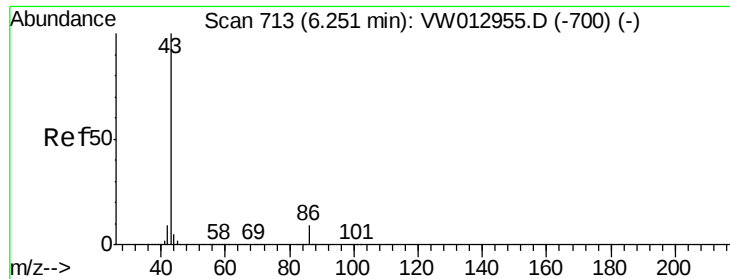
MMDadoda
9/16/2019 11:14:41 AM



#22
Diisopropyl ether
Concen: 57.169 ug/l
RT: 6.31 min Scan# 722
Delta R.T. -0.00 min
Lab File: VW013009.D
Acq: 14 Sep 2019 22:49

Tgt Ion	Ratio	Lower	Upper
45	100		
43	54.8	44.6	67.0
87	24.0	20.0	30.0
59	10.8	8.7	13.1





#23

Vinyl Acetate

Concen: 280.609 ug/l

RT: 6.25 min Scan# 713

Delta R.T. -0.00 min

Lab File: VW013009.D

Acq: 14 Sep 2019 22:49

Tot Ion: 43 Resp: 1145592

Ion Ratio Lower Upper

43 100

86 9.3 7.0 10.6

Instrument :

MSVOA_W

ClientSampleId :

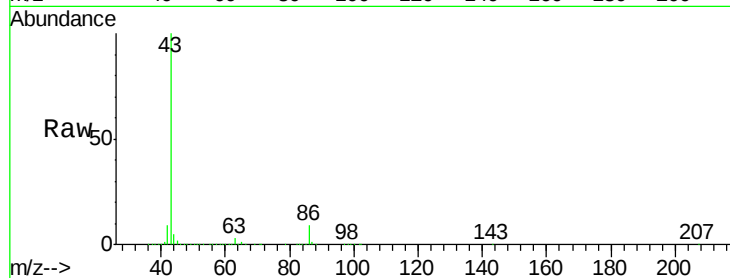
VSTDCCC050

Manual Integrations

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MMDadoda

9/16/2019 11:14:41 AM



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 86.00 (85.70 to 86.70): VW

6.25

400000

300000

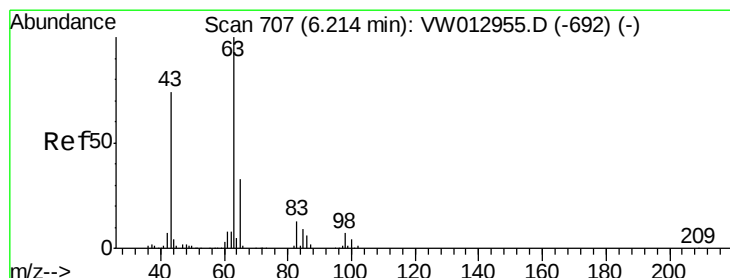
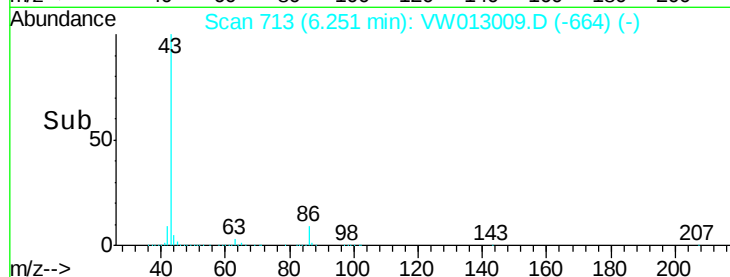
200000

100000

0

6.20 6.40

Time-->



#24

1,1-Dichloroethane

Concen: 54.160 ug/l

RT: 6.21 min Scan# 707

Delta R.T. -0.00 min

Lab File: VW013009.D

Acq: 14 Sep 2019 22:49

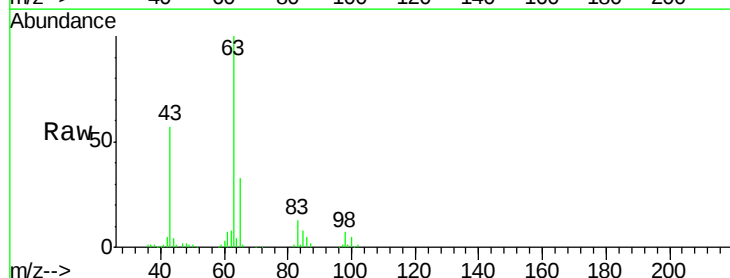
Tgt Ion: 63 Resp: 212852

Ion Ratio Lower Upper

63 100

98 6.5 3.3 9.9

100 4.8 1.8 5.5



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

6.21

80000

60000

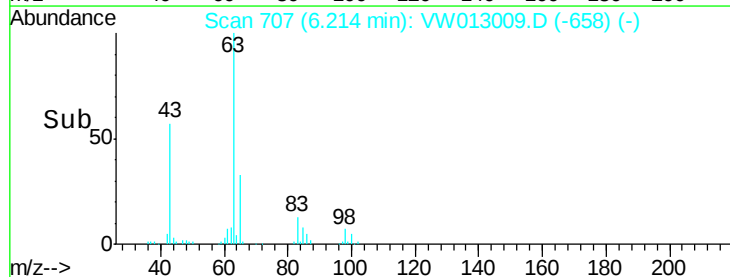
40000

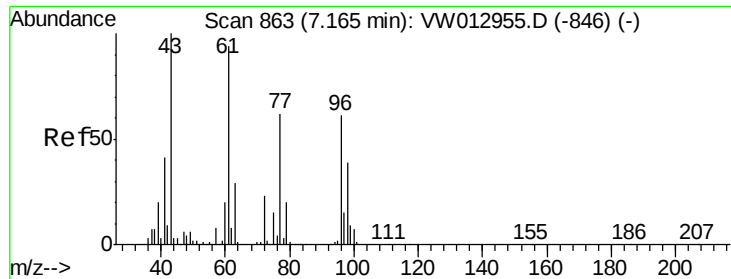
20000

0

6.10 6.20 6.30 6.40

Time-->





#25

2-Butanone

Concen: 284.403 ug/l

RT: 7.16 min Scan# 863

Delta R.T. -0.00 min

Lab File: VW013009.D

Acq: 14 Sep 2019 22:49

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 209128

Ion Ratio Lower Upper

43 100

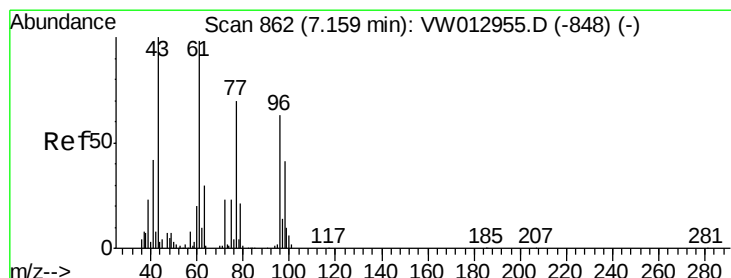
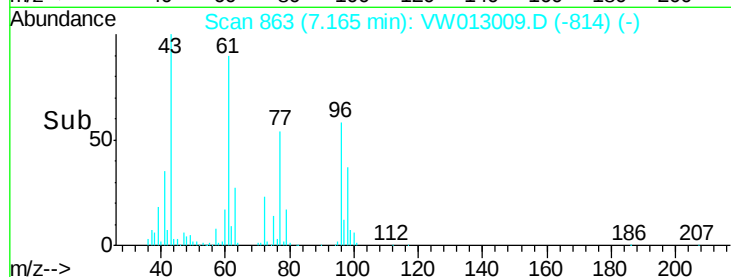
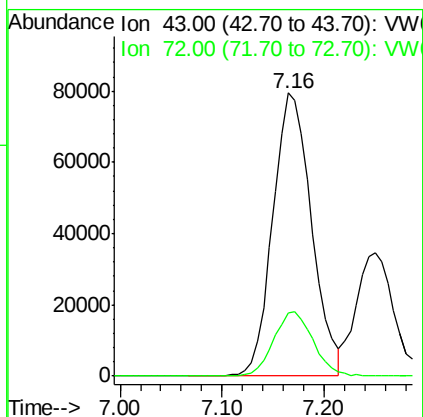
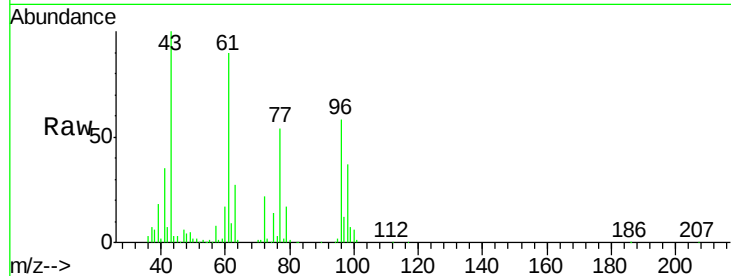
72 22.5 18.2 27.4

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#26

2,2-Dichloropropane

Concen: 51.037 ug/l

RT: 7.16 min Scan# 862

Delta R.T. -0.00 min

Lab File: VW013009.D

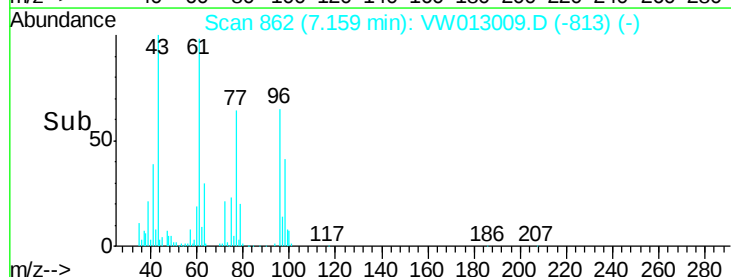
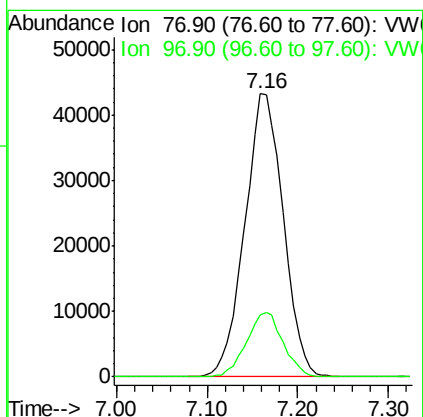
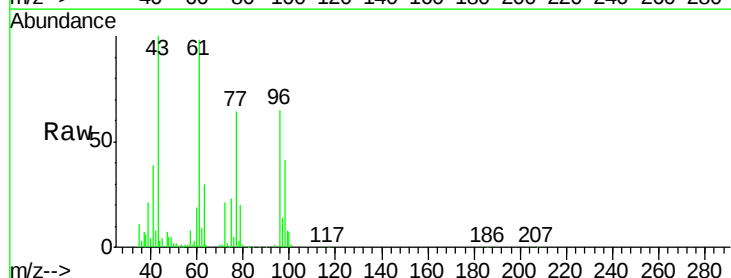
Acq: 14 Sep 2019 22:49

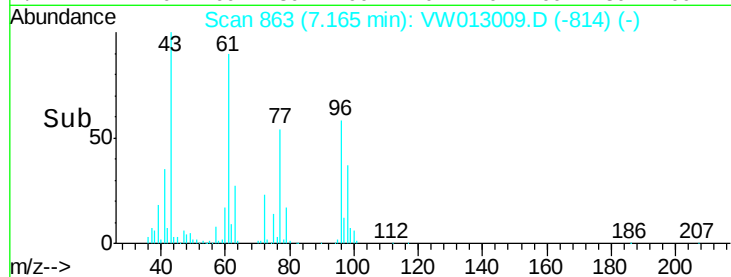
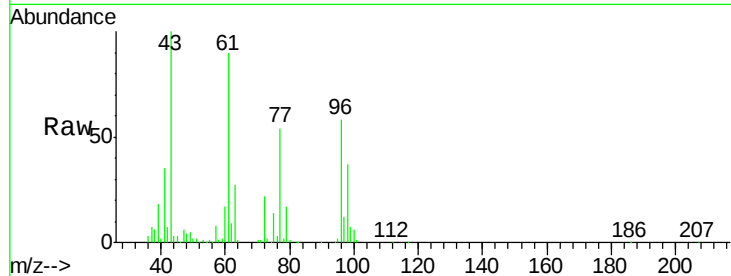
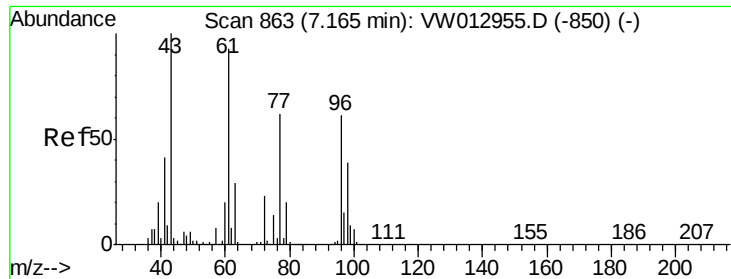
Tgt Ion: 77 Resp: 127069

Ion Ratio Lower Upper

77 100

97 21.7 10.7 32.1





#27

cis-1,2-Dichloroethene

Concen: 55.250 ug/l

RT: 7.16 min Scan# 863

Delta R.T. -0.00 min

Lab File: VW013009.D

Acq: 14 Sep 2019 22:49

Tot Ion:	96	Resp:	122442
Ion Ratio	Lower	Upper	
96	100		
61	152.7	0.0	315.4
98	63.7	0.0	131.0

Instrument :

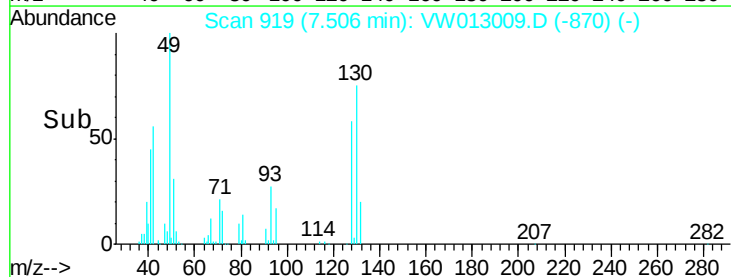
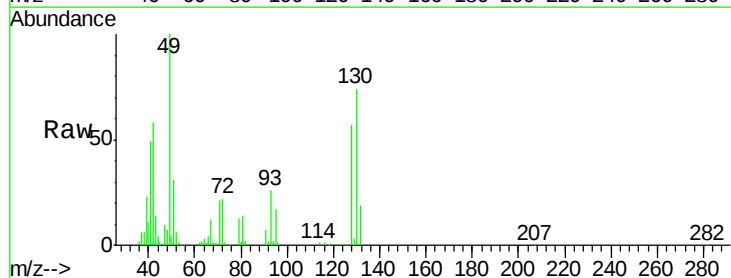
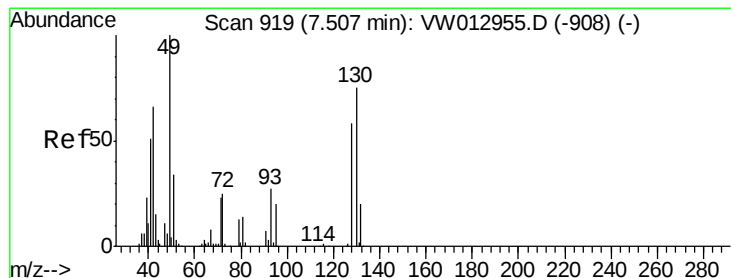
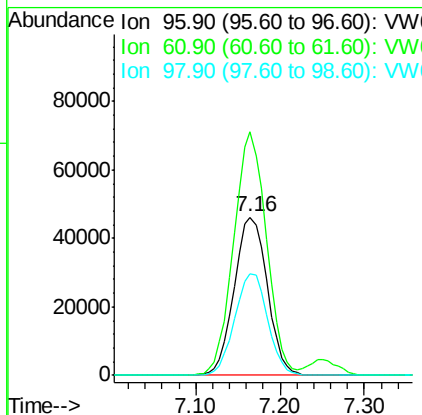
MSVOA_W

ClientSampleId :

VSTDCCC050

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#28

Bromochloromethane

Concen: 57.279 ug/l

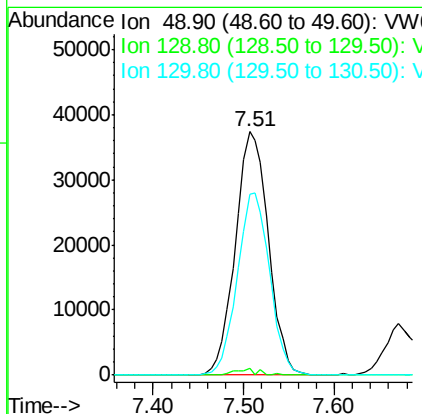
RT: 7.51 min Scan# 919

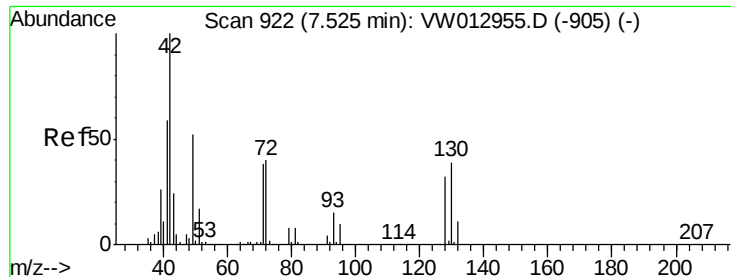
Delta R.T. -0.00 min

Lab File: VW013009.D

Acq: 14 Sep 2019 22:49

Tgt Ion:	49	Resp:	94747
Ion Ratio	Lower	Upper	
49	100		
129	1.6	0.0	1.4#
130	73.2	57.8	86.6





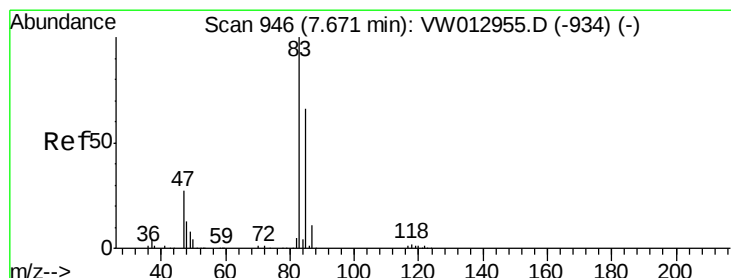
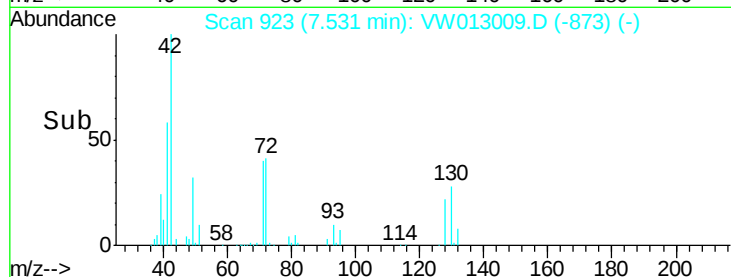
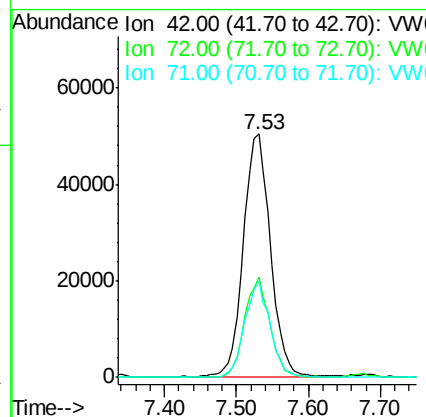
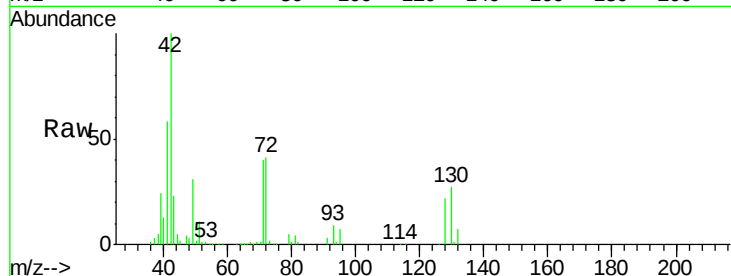
#29
Tetrahydrofuran
Concen: 313.892 ug/l
RT: 7.53 min Scan# 923
Delta R.T. 0.01 min
Lab File: VW013009.D
Acq: 14 Sep 2019 22:49

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion:	42	Resp:	131512
Ion	Ratio	Lower	Upper
42	100		
72	38.2	31.4	47.0
71	36.9	29.8	44.8

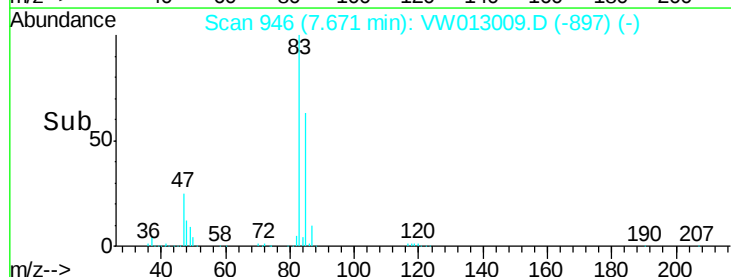
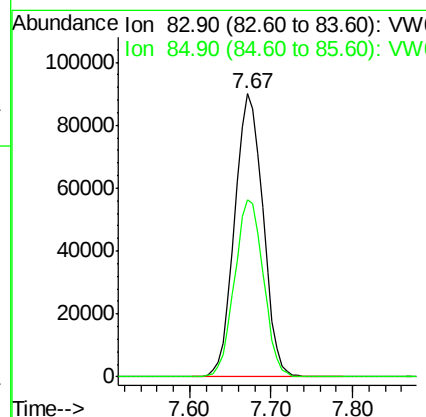
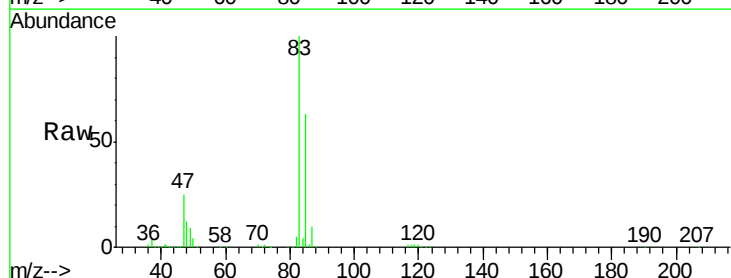
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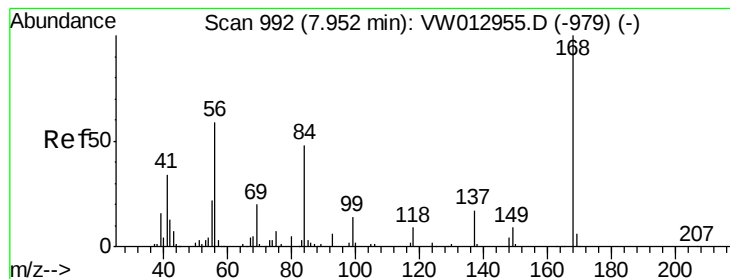
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#30
Chloroform
Concen: 53.997 ug/l
RT: 7.67 min Scan# 946
Delta R.T. -0.00 min
Lab File: VW013009.D
Acq: 14 Sep 2019 22:49

Tgt Ion:	83	Resp:	215620
Ion	Ratio	Lower	Upper
83	100		
85	62.8	52.8	79.2





#31

Cyclohexane

Concen: 55.269 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.00 min

Lab File: VW013009.D

Acq: 14 Sep 2019 22:49

Instrument :

MSVOA_W

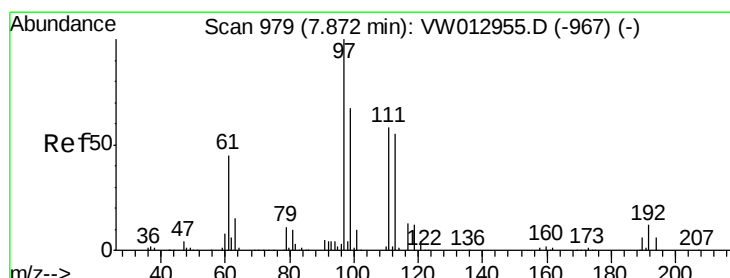
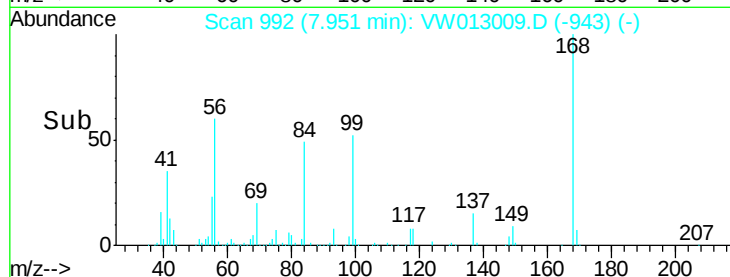
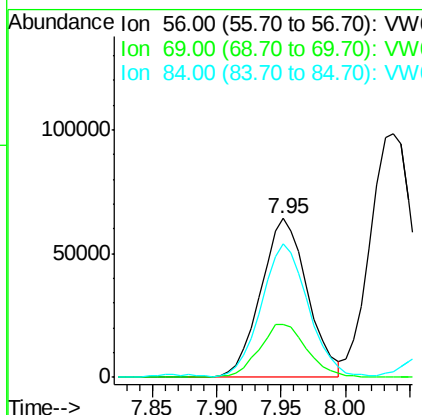
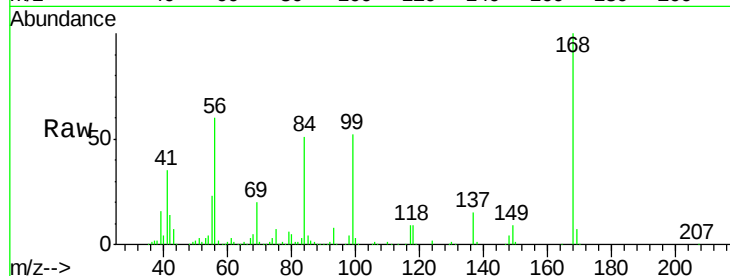
ClientSampleID :

VSTDCCC050

Tot Ion:	56	Resp:	161730
Ion Ratio	Lower	Upper	
56	100		
69	33.0	27.0	40.6
84	82.1	66.2	99.2

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#32

1,1,1-Trichloroethane

Concen: 53.938 ug/l

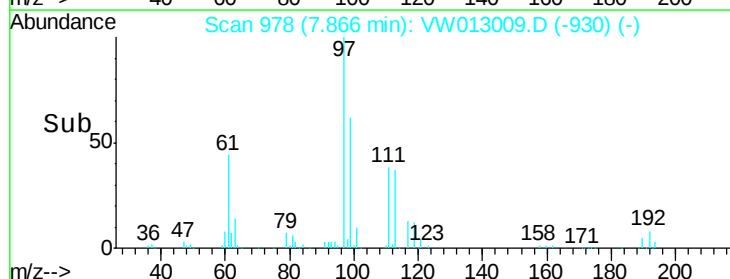
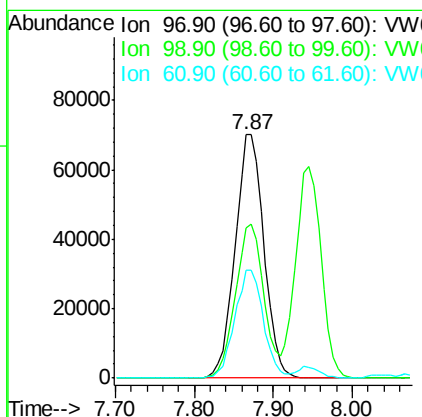
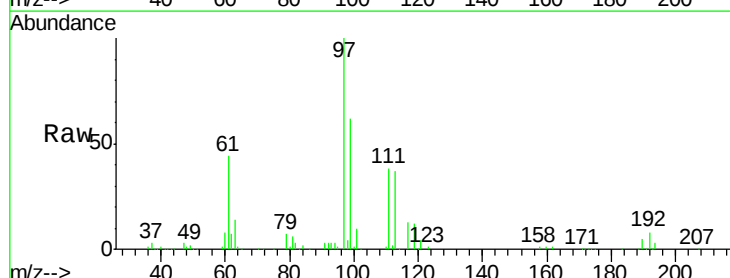
RT: 7.87 min Scan# 978

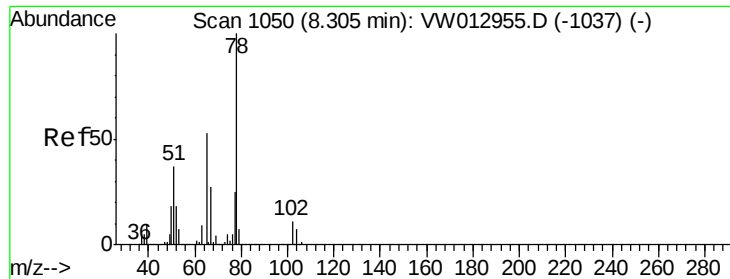
Delta R.T. -0.01 min

Lab File: VW013009.D

Acq: 14 Sep 2019 22:49

Tgt Ion:	97	Resp:	177375
Ion Ratio	Lower	Upper	
97	100		
99	62.9	53.0	79.4
61	44.3	36.5	54.7





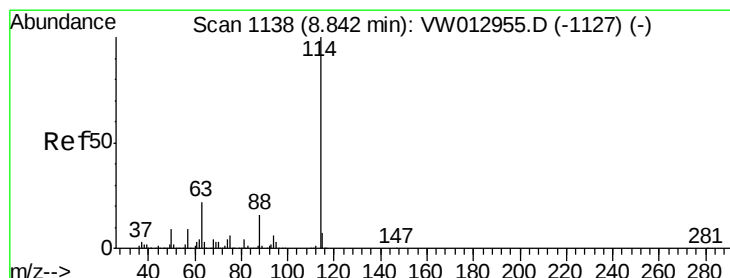
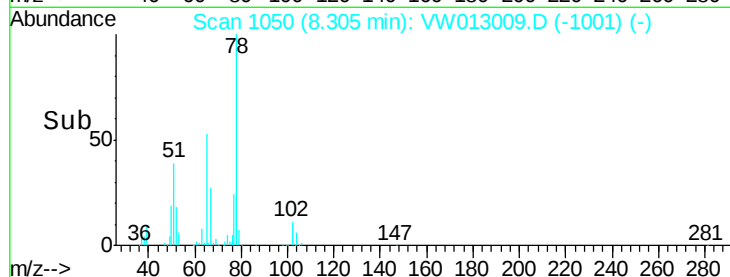
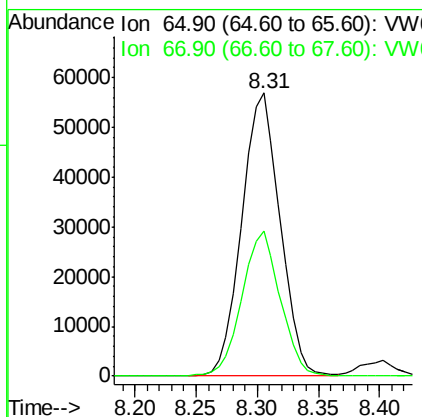
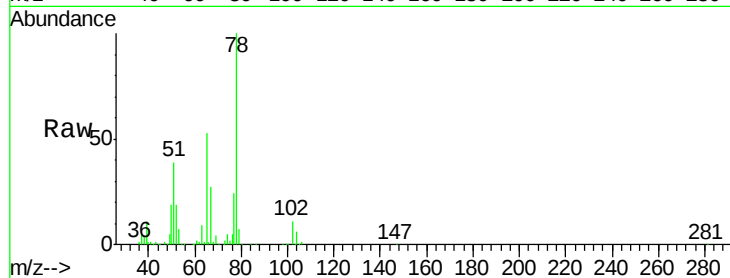
#33
 1,2-Dichloroethane-d4
 Concen: 53.547 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VW013009.D
 Acq: 14 Sep 2019 22:49

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	51.2	0.0	101.2	

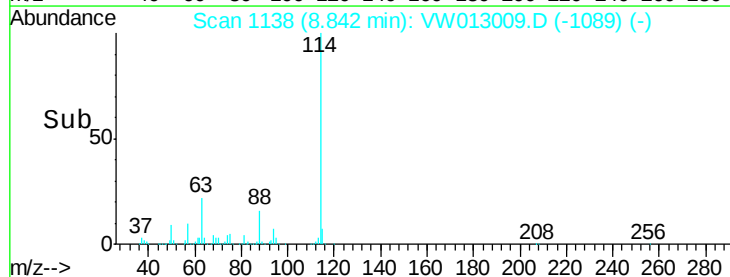
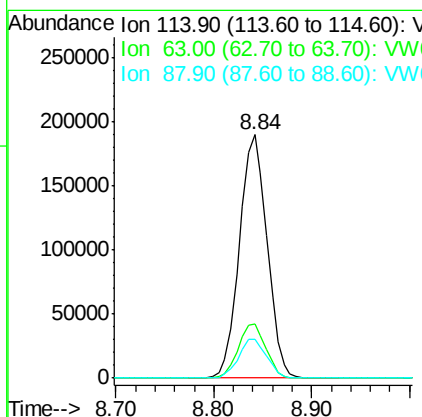
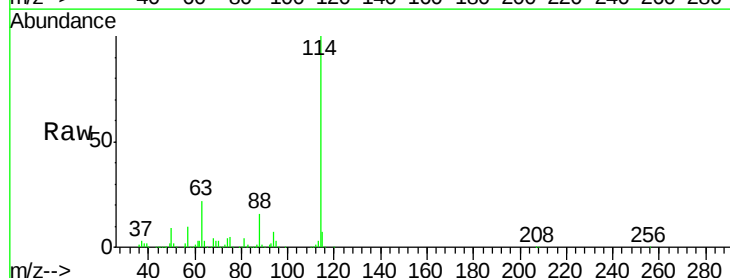
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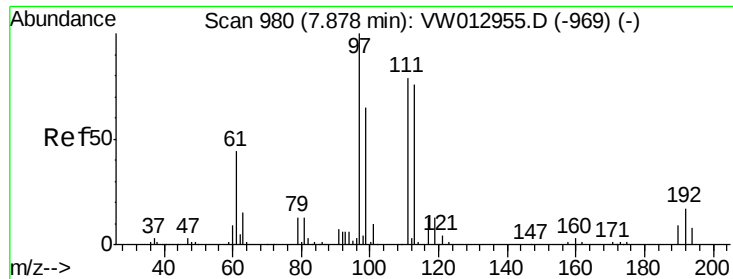
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW013009.D
 Acq: 14 Sep 2019 22:49

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	22.2	0.0	43.4	
88	15.8	0.0	31.6	





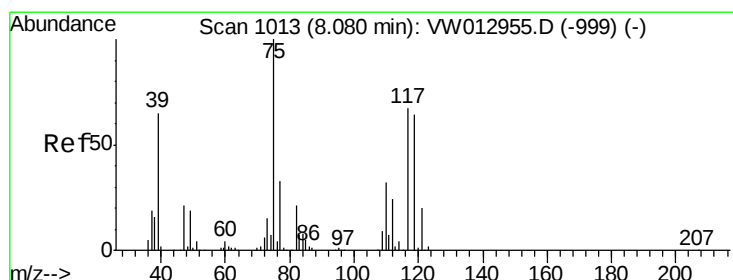
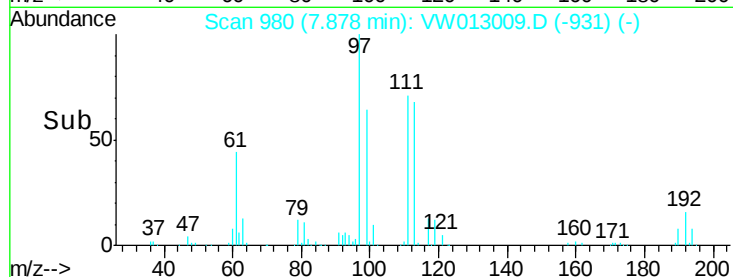
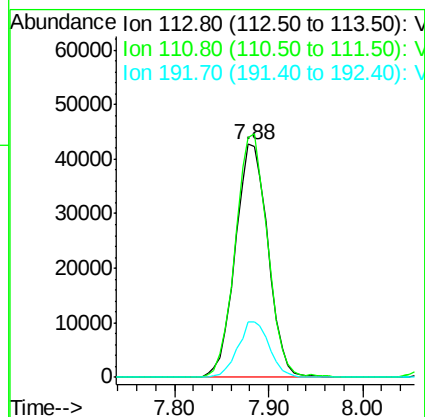
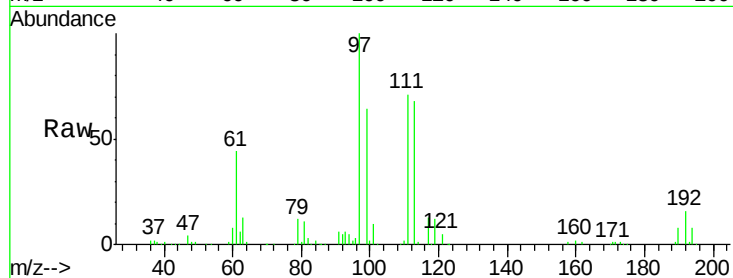
#35
 Dibromofluoromethane
 Concen: 51.073 ug/l
 RT: 7.88 min Scan# 980
 Delta R.T. -0.00 min
 Lab File: VW013009.D
 Acq: 14 Sep 2019 22:49

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
113	100	103347		
111	103.0	82.8	124.2	
192	22.9	17.8	26.8	

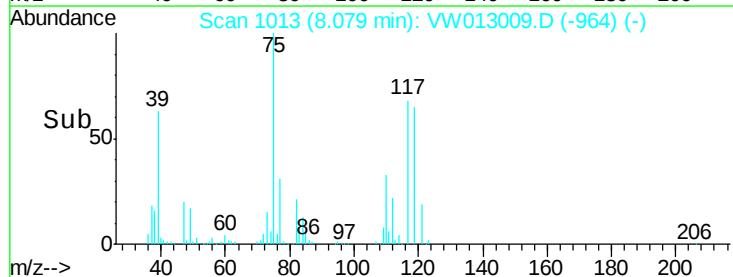
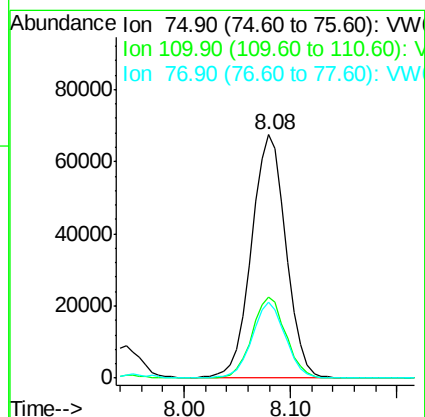
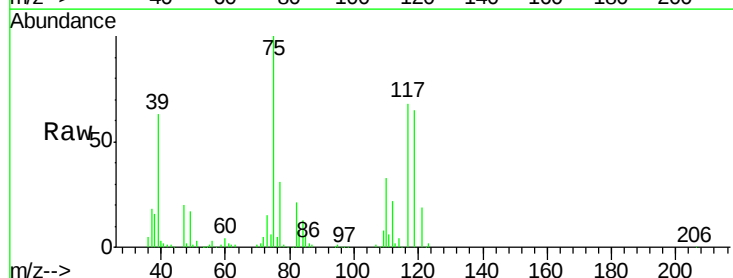
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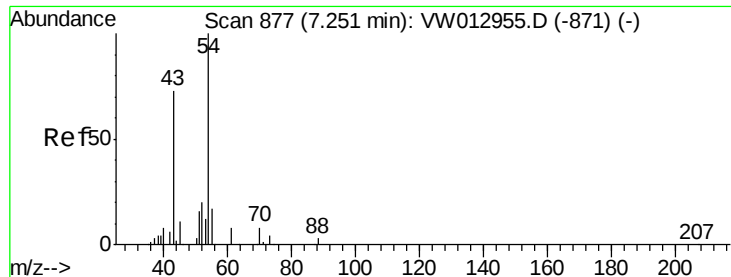
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#36
 1,1-Dichloropropene
 Concen: 51.457 ug/l
 RT: 8.08 min Scan# 1013
 Delta R.T. -0.00 min
 Lab File: VW013009.D
 Acq: 14 Sep 2019 22:49

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	153339		
110	32.6	16.4	49.1	
77	30.2	25.1	37.7	





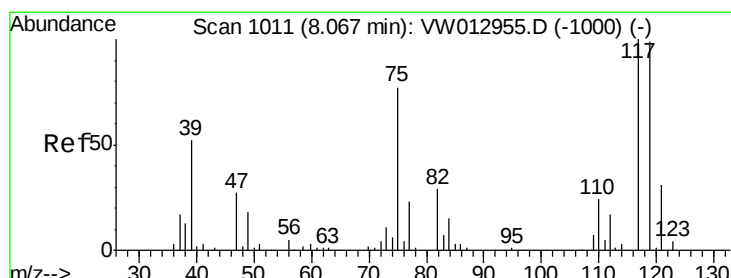
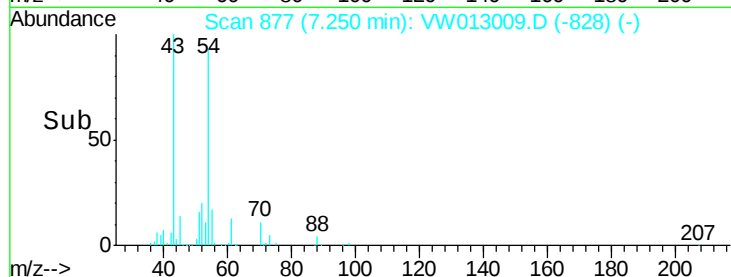
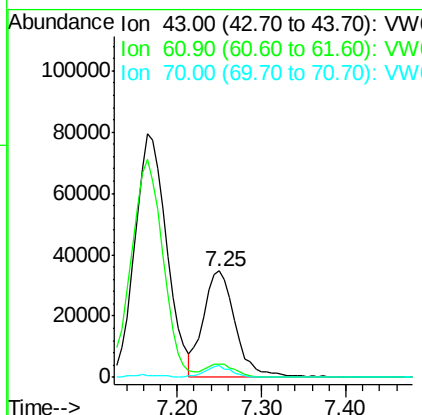
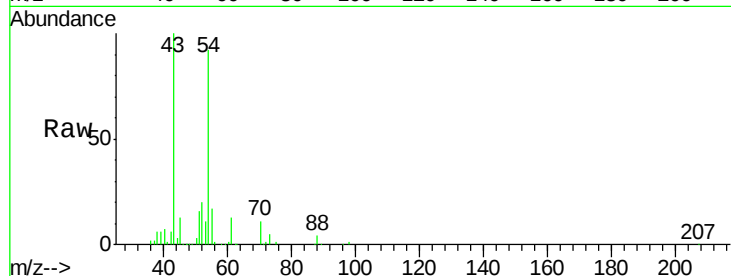
#37
Ethyl Acetate
Concen: 57.368 ug/l
RT: 7.25 min Scan# 877
Delta R.T. -0.00 min
Lab File: VW013009.D
Acq: 14 Sep 2019 22:49

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	12.7	9.6	14.4
70	9.3	7.6	11.4

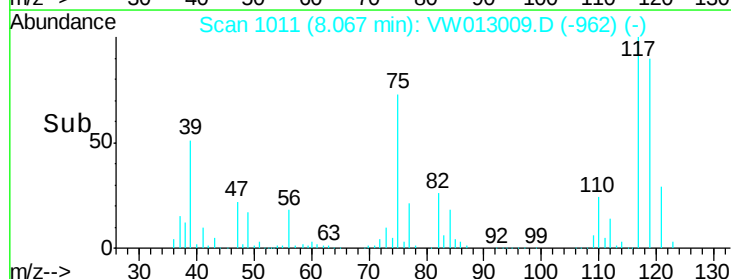
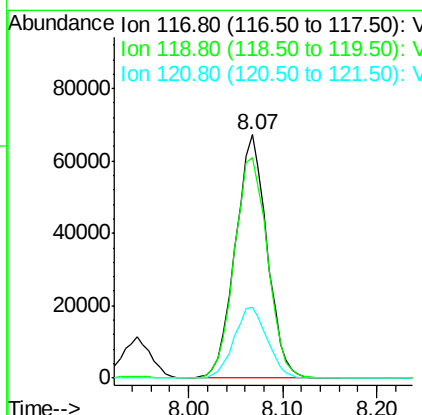
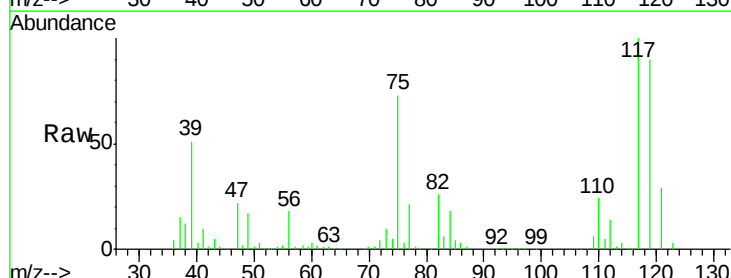
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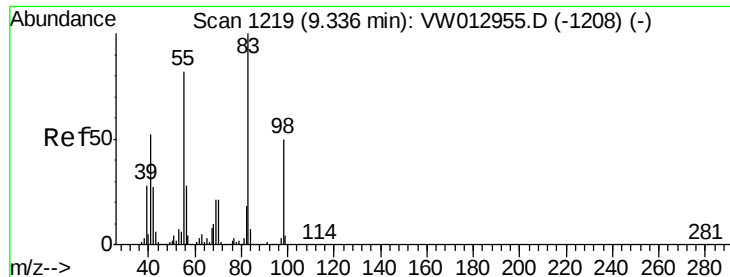
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#38
Carbon Tetrachloride
Concen: 51.352 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. -0.00 min
Lab File: VW013009.D
Acq: 14 Sep 2019 22:49

Tgt Ion	Ratio	Lower	Upper
117	100		
119	90.3	79.4	119.0
121	29.1	24.6	36.8





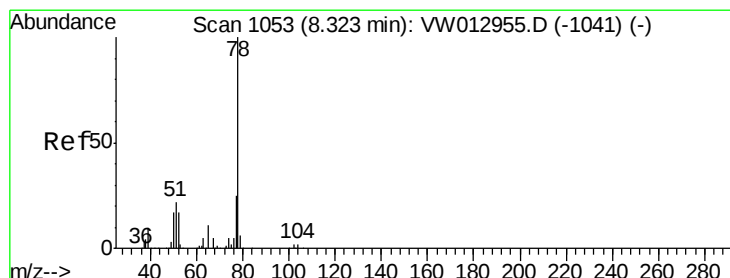
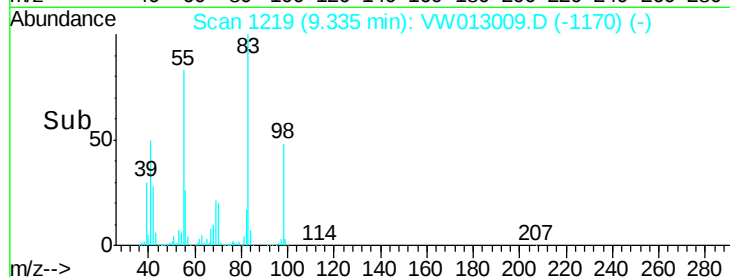
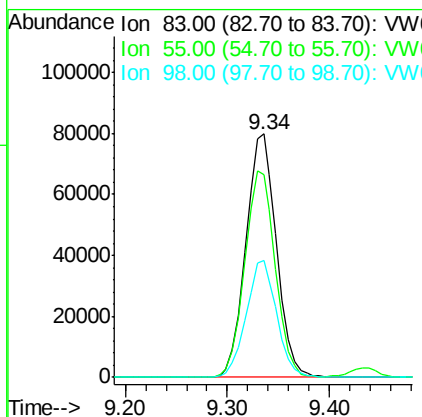
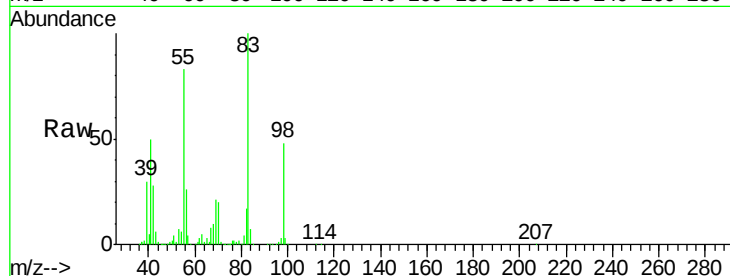
#39
Methvlcvclohexane
Concen: 51.004 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. -0.00 min
Lab File: VW013009.D
Acq: 14 Sep 2019 22:49

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
83	100		
55	83.3	65.9	98.9
98	47.9	39.6	59.4

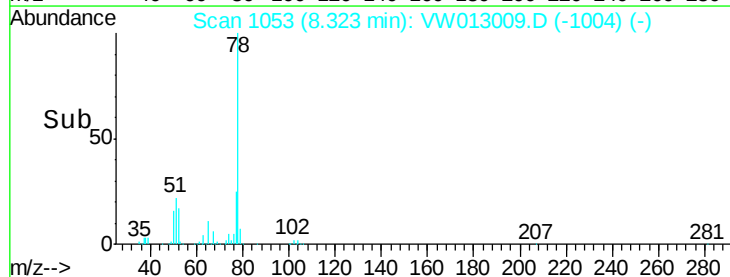
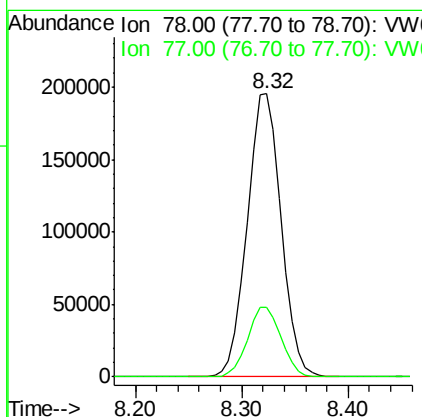
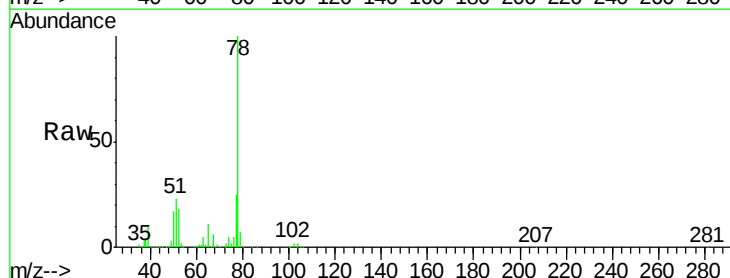
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#40
Benzene
Concen: 52.683 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. -0.00 min
Lab File: VW013009.D
Acq: 14 Sep 2019 22:49

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.8	19.6	29.4





#41

Methacrylonitrile

Concen: 56.119 ug/l

RT: 7.48 min Scan# 914

Delta R.T. -0.01 min

Lab File: VW013009.D

Acq: 14 Sep 2019 22:49

Instrument :

MSVOA_W

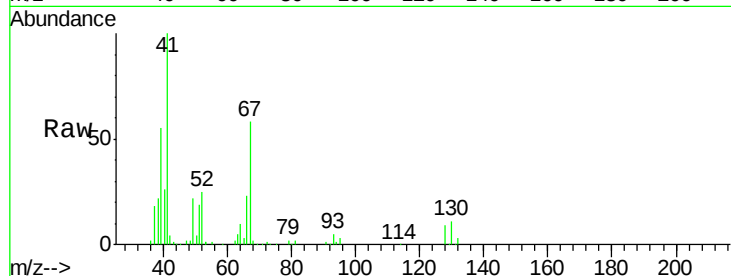
ClientSampleId :

VSTDCCC050

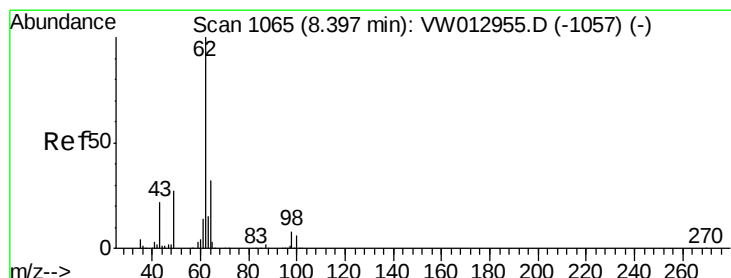
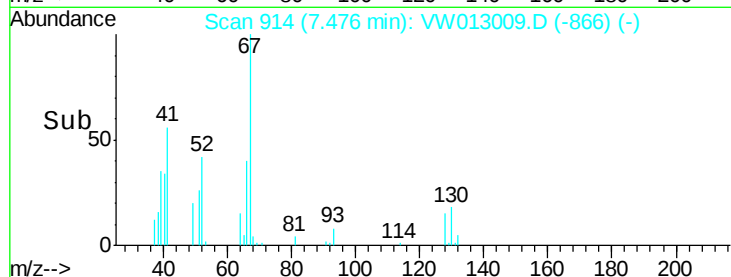
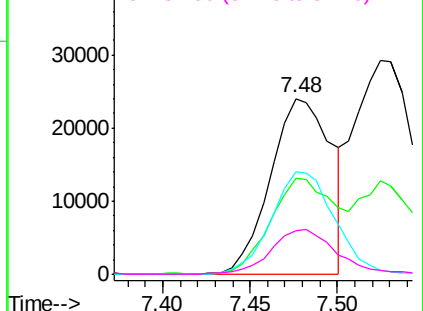
Tot Ion	41	Resp:	58455
Ion Ratio	Lower	Upper	
41	100		
39	59.5	48.2	72.4
67	61.0	47.5	71.3
52	27.6	21.0	31.4

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Abundance Ion 41.00 (40.70 to 41.70): VW
Ion 39.00 (38.70 to 39.70): VW
Ion 67.00 (66.70 to 67.70): VW
Ion 52.00 (51.70 to 52.70): VW



#42

1,2-Dichloroethane

Concen: 52.763 ug/l

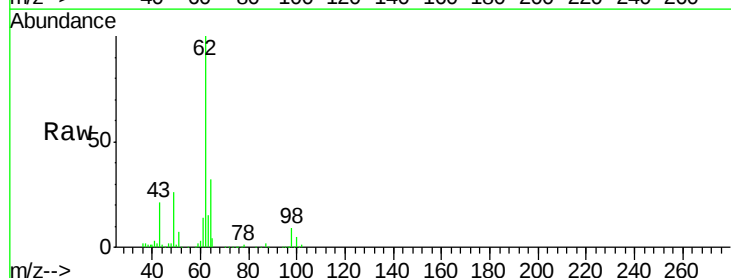
RT: 8.40 min Scan# 1065

Delta R.T. -0.00 min

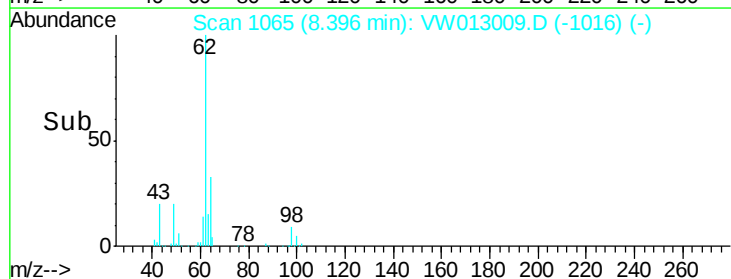
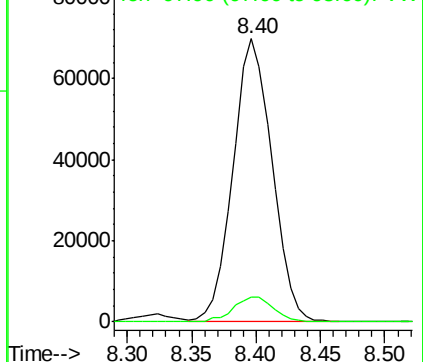
Lab File: VW013009.D

Acq: 14 Sep 2019 22:49

Tgt Ion	62	Resp:	147140
Ion Ratio	Lower	Upper	
62	100		
98	9.1	0.0	16.8



Abundance Ion 61.90 (61.60 to 62.60): VW
Ion 97.90 (97.60 to 98.60): VW





#43

Isopropyl Acetate

Concen: 57.490 ug/l

RT: 8.42 min Scan# 1069

Delta R.T. -0.00 min

Lab File: VW013009.D

Acq: 14 Sep 2019 22:49

Instrument :

MSVOA_W

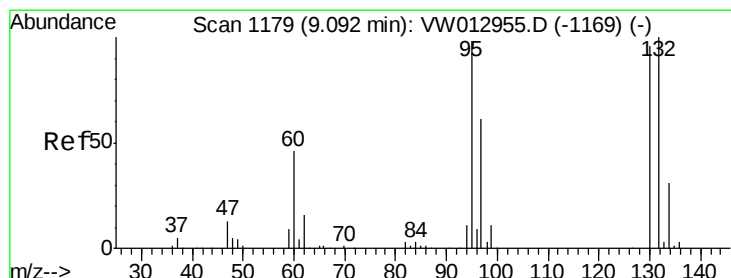
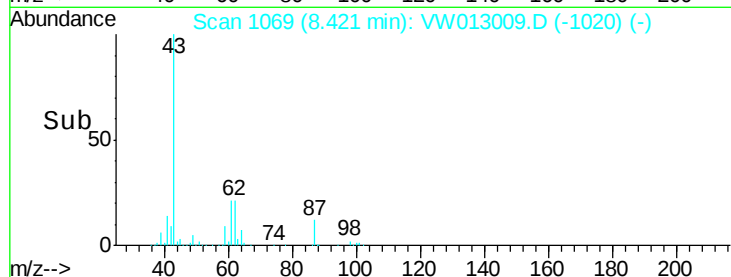
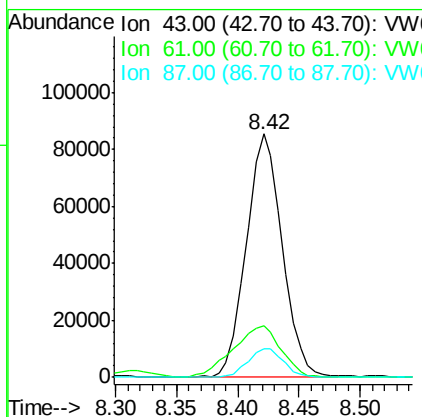
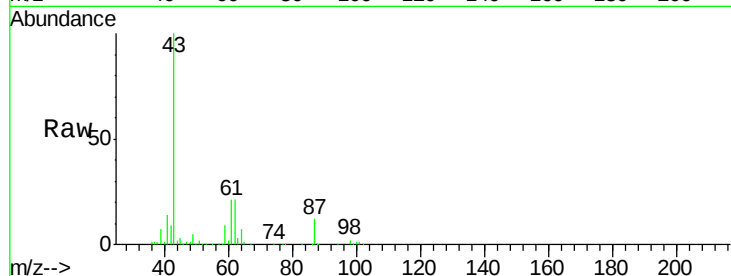
ClientSampleId :

VSTDCCC050

Tot Ion:	43	Resp:	174595
Ion	Ratio	Lower	Upper
43	100		
61	28.2	22.7	34.1
87	11.8	9.4	14.2

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#44

Trichloroethene

Concen: 52.225 ug/l

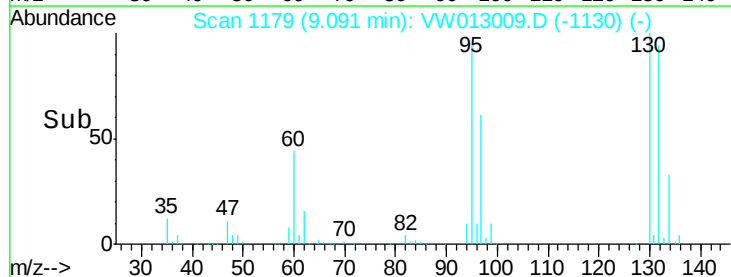
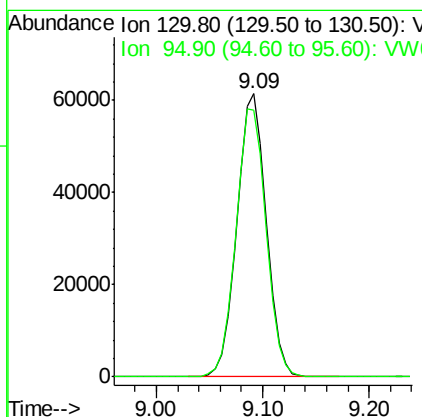
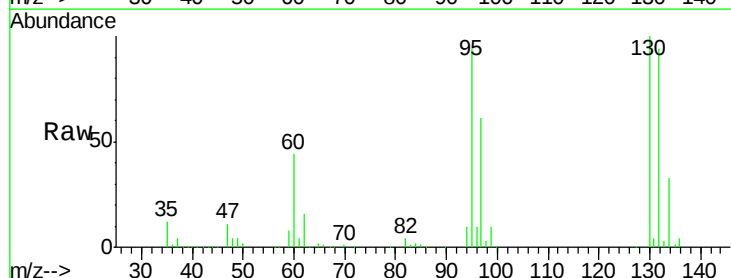
RT: 9.09 min Scan# 1179

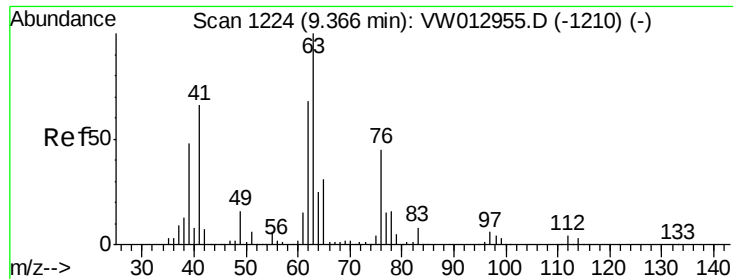
Delta R.T. -0.00 min

Lab File: VW013009.D

Acq: 14 Sep 2019 22:49

Tgt Ion:	130	Resp:	119003
Ion	Ratio	Lower	Upper
130	100		
95	94.2	0.0	204.4





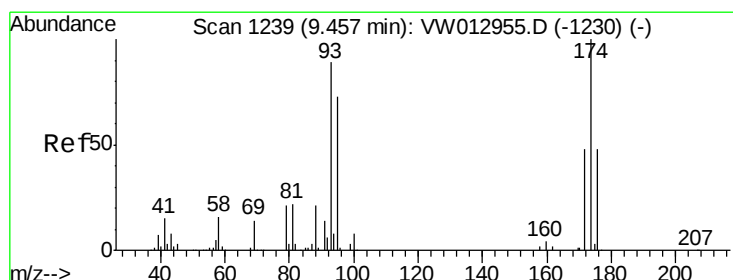
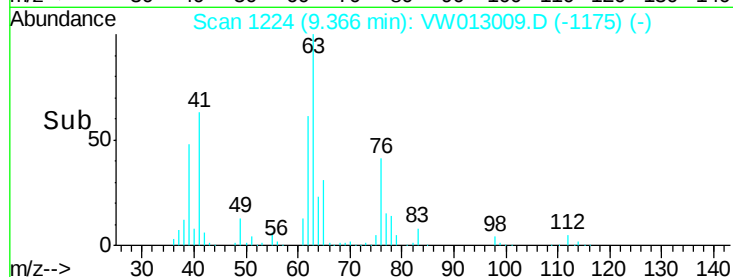
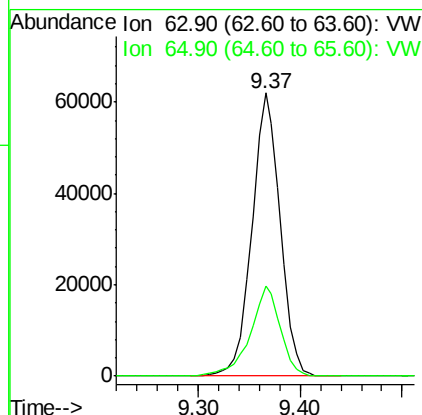
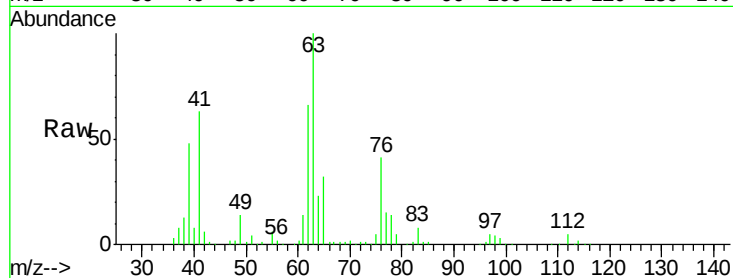
#45
 1,2-Dichloropropane
 Concen: 53.930 ug/l
 RT: 9.37 min Scan# 1224
 Delta R.T. -0.00 min
 Lab File: VW013009.D
 Acq: 14 Sep 2019 22:49

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion: 63 Resp: 119197
 Ion Ratio Lower Upper
 63 100
 65 31.7 24.6 37.0

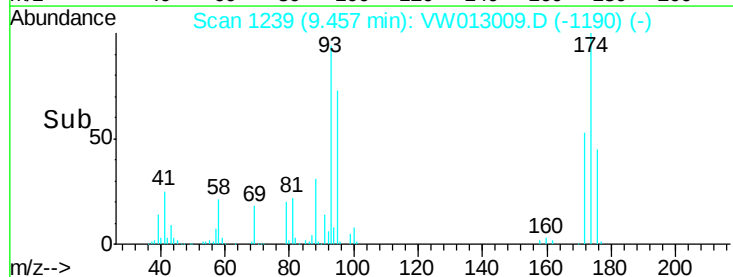
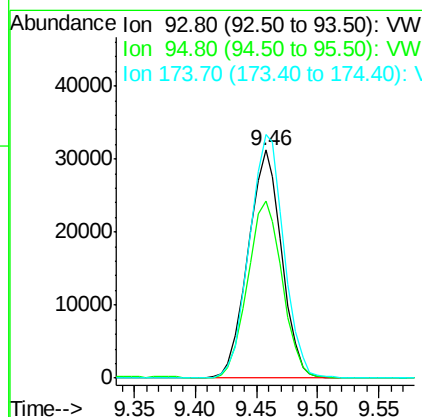
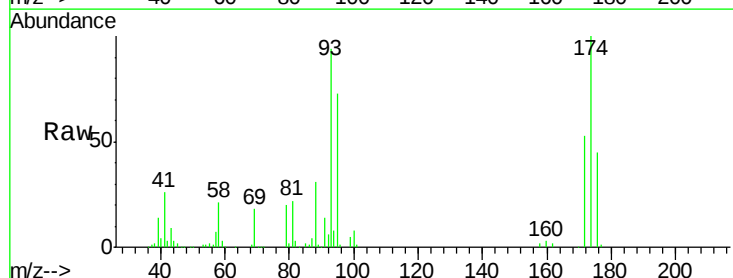
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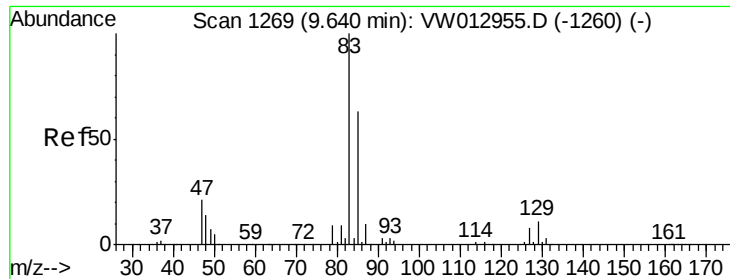
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#46
 Dibromomethane
 Concen: 56.268 ug/l
 RT: 9.46 min Scan# 1239
 Delta R.T. -0.00 min
 Lab File: VW013009.D
 Acq: 14 Sep 2019 22:49

Tgt Ion: 93 Resp: 59583
 Ion Ratio Lower Upper
 93 100
 95 80.5 67.0 100.4
 174 109.9 90.5 135.7





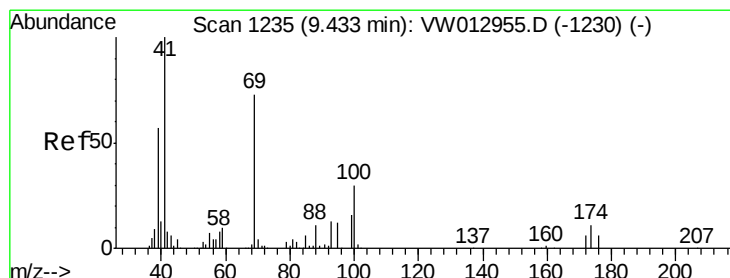
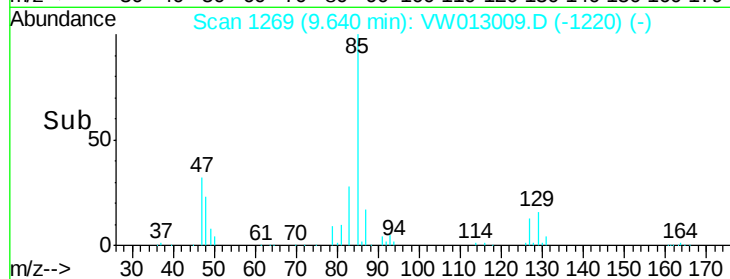
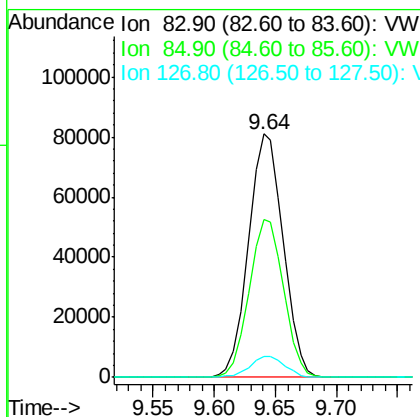
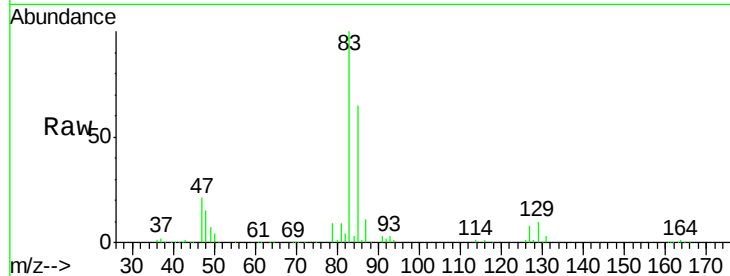
#47
Bromodichloromethane
Concen: 53.857 ug/l
RT: 9.64 min Scan# 1269
Delta R.T. -0.00 min
Lab File: VW013009.D
Acq: 14 Sep 2019 22:49

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
83	100	159969		
85	64.8	50.6	75.8	
127	8.4	6.7	10.1	

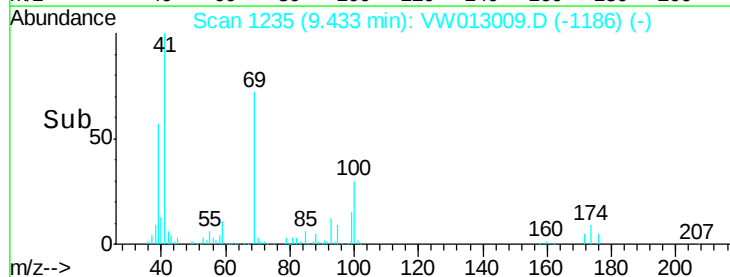
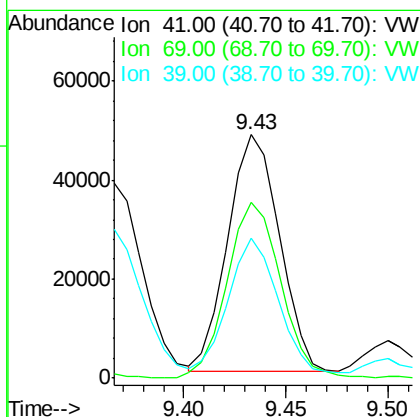
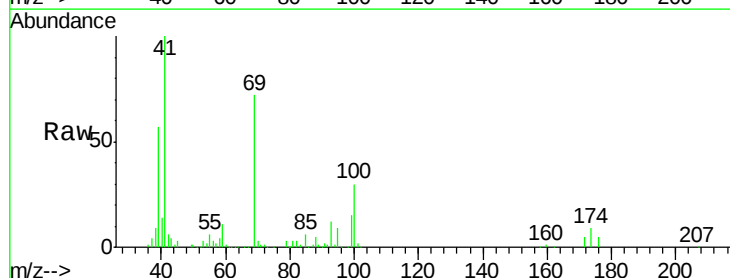
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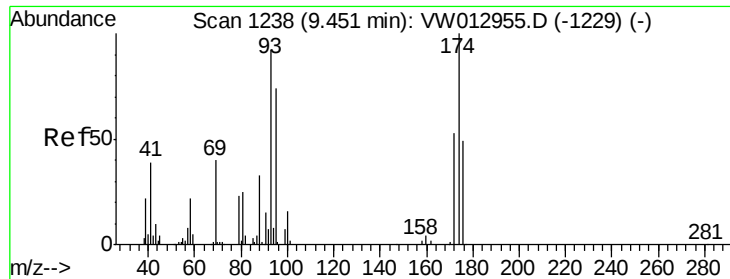
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#48
Methyl methacrylate
Concen: 58.883 ug/l
RT: 9.43 min Scan# 1235
Delta R.T. -0.00 min
Lab File: VW013009.D
Acq: 14 Sep 2019 22:49

Tgt Ion	Ratio	Resp	Lower	Upper
41	100	83925		
69	76.8	62.8	94.2	
39	59.3	48.5	72.7	





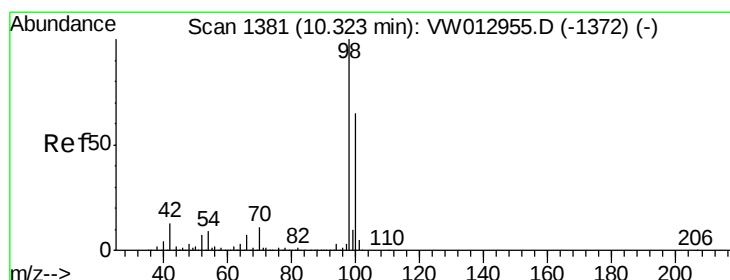
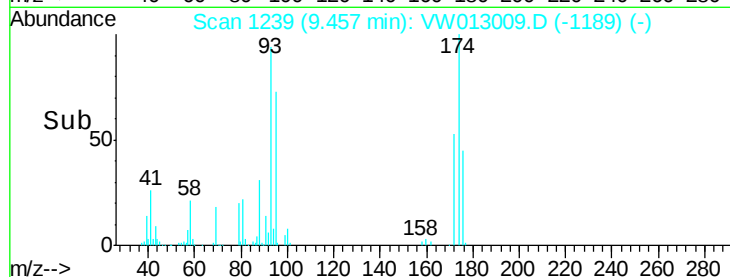
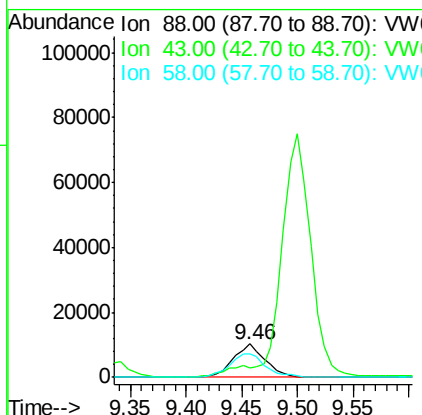
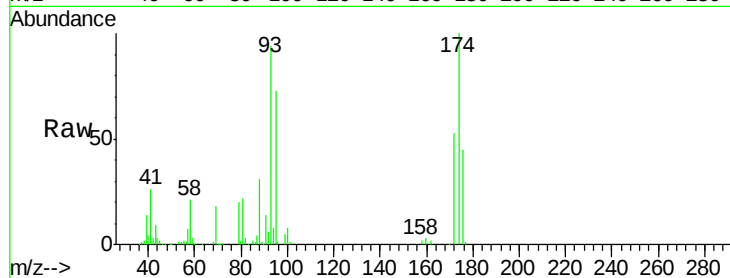
#49
1,4-Dioxane
Concen: 1152.532 ug/l
RT: 9.46 min Scan# 1239
Delta R.T. 0.01 min
Lab File: VW013009.D
Acq: 14 Sep 2019 22:49

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
88	100		
43	0.0	31.3	46.9#
58	81.3	60.2	90.2

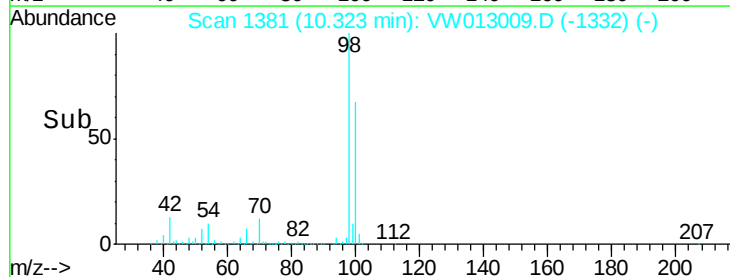
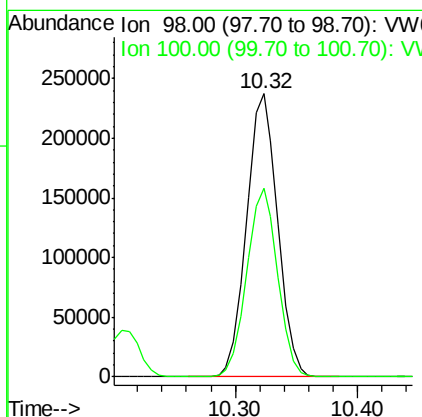
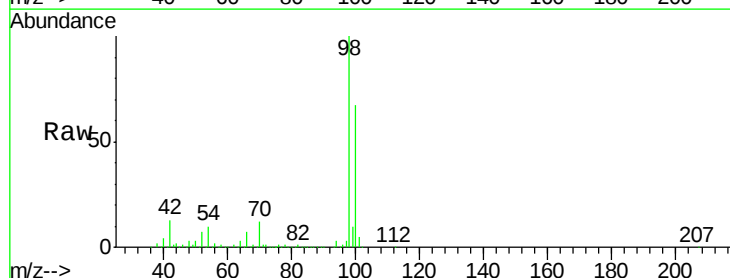
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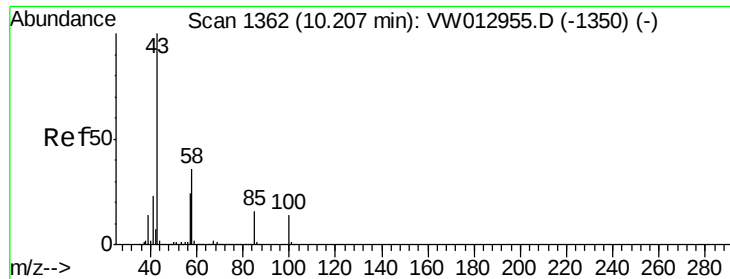
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#50
Toluene-d8
Concen: 52.952 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW013009.D
Acq: 14 Sep 2019 22:49

Tgt Ion	Ratio	Lower	Upper
98	100		
100	66.0	52.1	78.1





#51

4-Methyl-2-Pentanone

Concen: 300.908 ug/l

RT: 10.21 min Scan# 1362

Delta R.T. -0.00 min

Lab File: VW013009.D

Acq: 14 Sep 2019 22:49

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 471797

Ion Ratio Lower Upper

43 100

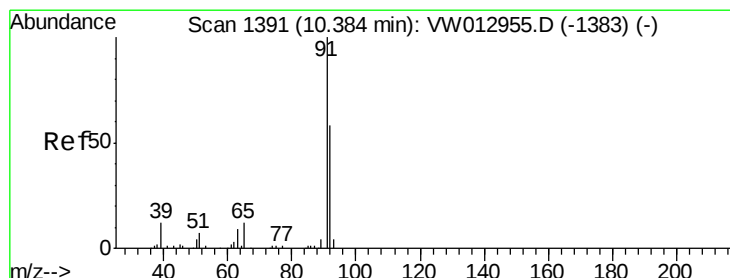
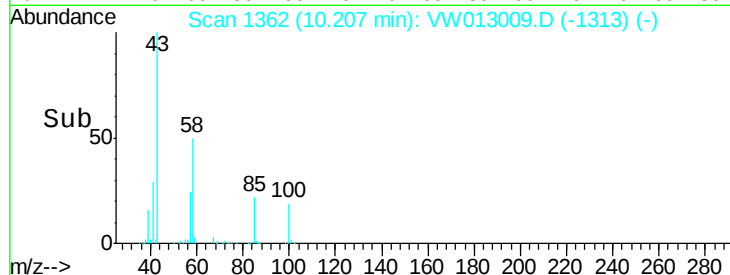
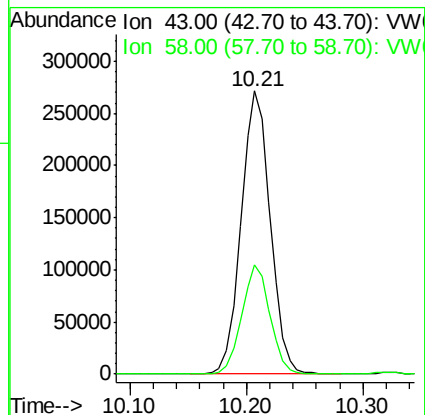
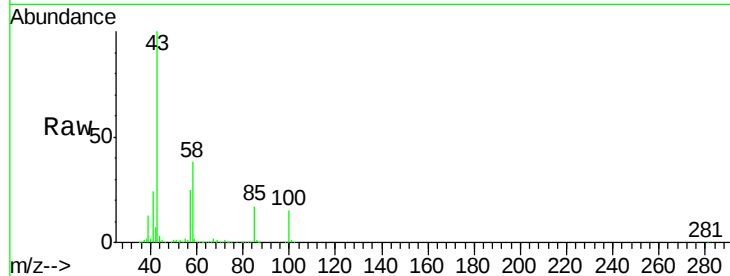
58 37.4 29.5 44.3

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#52

Toluene

Concen: 53.635 ug/l

RT: 10.38 min Scan# 1391

Delta R.T. -0.00 min

Lab File: VW013009.D

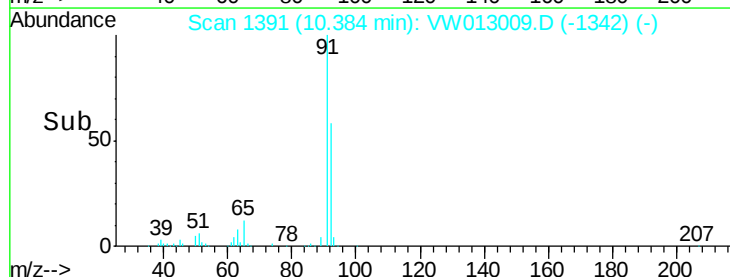
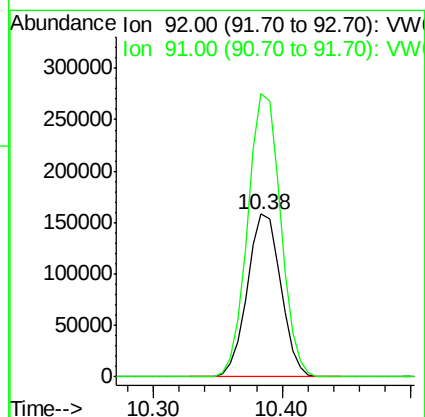
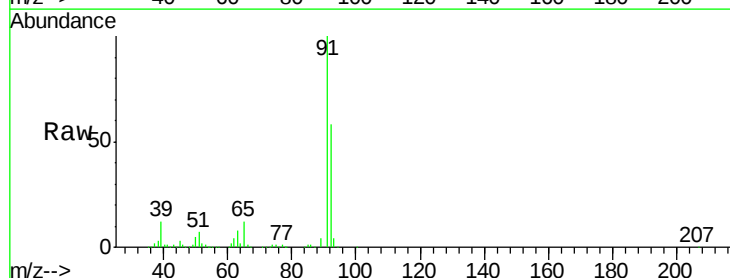
Acq: 14 Sep 2019 22:49

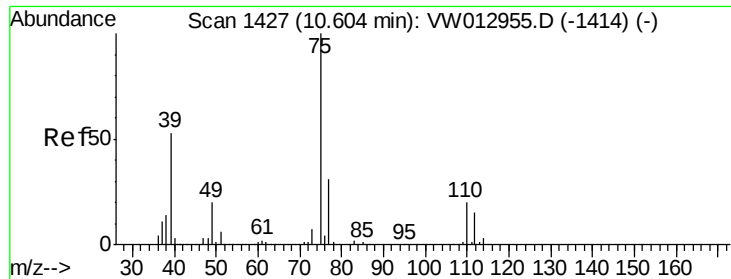
Tgt Ion: 92 Resp: 283526

Ion Ratio Lower Upper

92 100

91 171.3 137.5 206.3





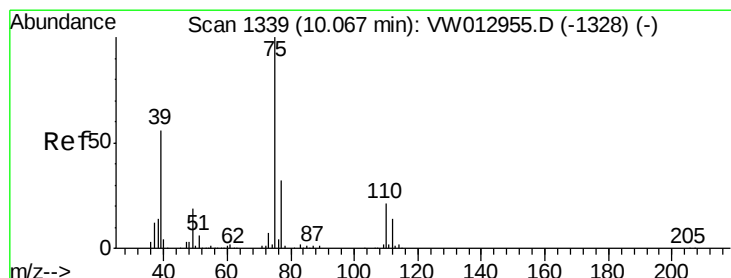
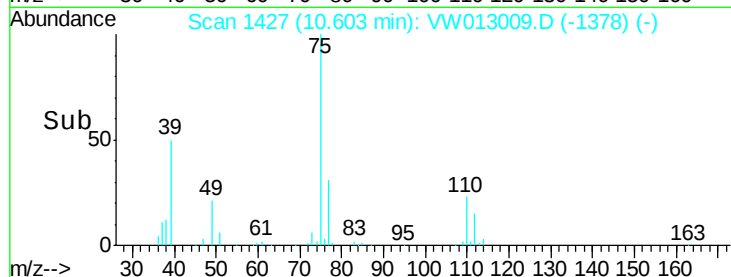
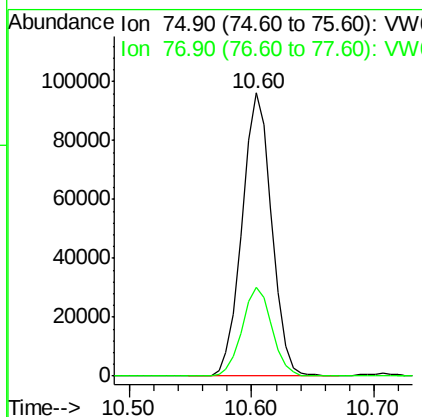
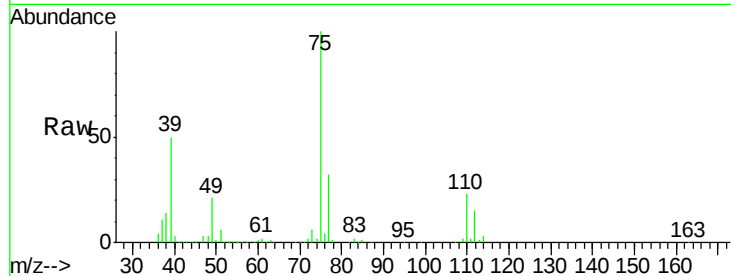
#53
t-1,3-Dichloropropene
Concen: 54.199 ug/l
RT: 10.60 min Scan# 1427
Delta R.T. -0.00 min
Lab File: VW013009.D
Acq: 14 Sep 2019 22:49

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion: 75 Resp: 161905
Ion Ratio Lower Upper
75 100
77 31.5 24.6 37.0

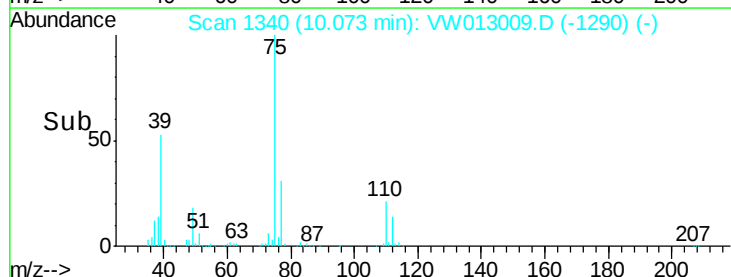
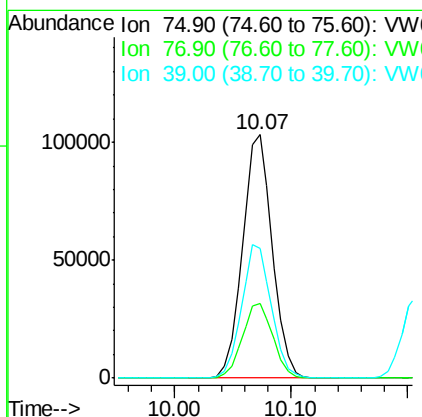
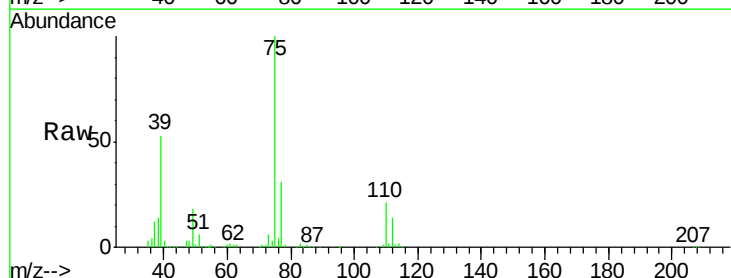
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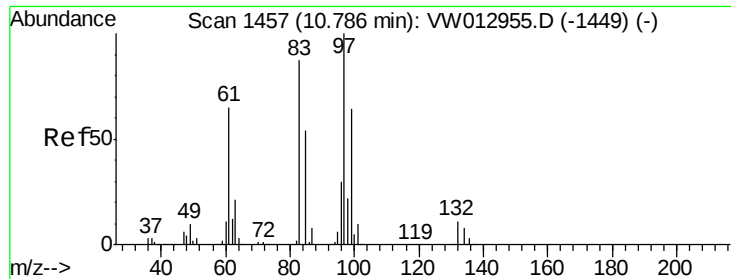
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#54
cis-1,3-Dichloropropene
Concen: 53.512 ug/l
RT: 10.07 min Scan# 1340
Delta R.T. 0.01 min
Lab File: VW013009.D
Acq: 14 Sep 2019 22:49

Tgt Ion: 75 Resp: 182903
Ion Ratio Lower Upper
75 100
77 30.8 25.5 38.3
39 53.3 45.0 67.6





#55

1,1,2-Trichloroethane

Concen: 56.417 ug/l

RT: 10.79 min Scan# 1457

Delta R.T. -0.00 min

Lab File: VW013009.D

Acq: 14 Sep 2019 22:49

Instrument :

MSVOA_W

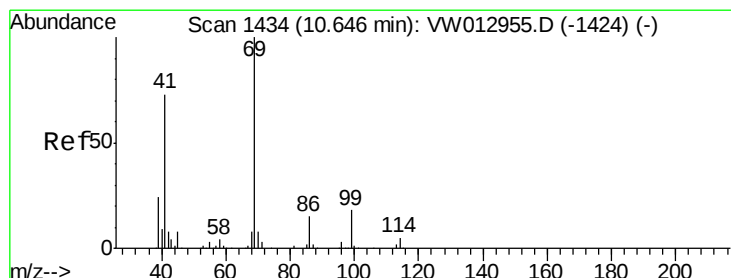
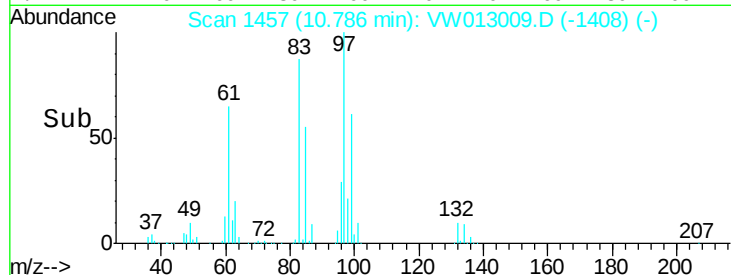
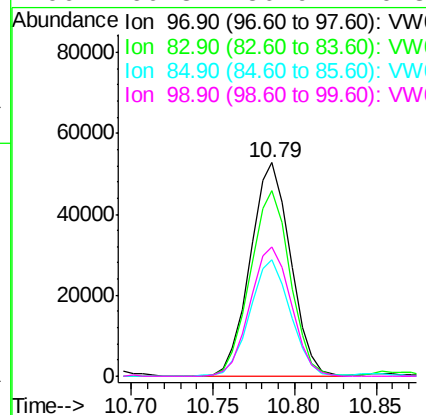
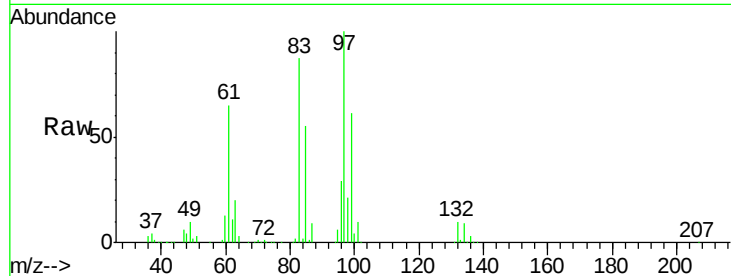
ClientSampleId :

VSTDCCC050

Tot Ion:	97	Resp:	91010
Ion	Ratio	Lower	Upper
97	100		
83	86.9	69.4	104.0
85	54.6	43.3	64.9
99	60.8	50.9	76.3

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#56

Ethyl methacrylate

Concen: 59.851 ug/l

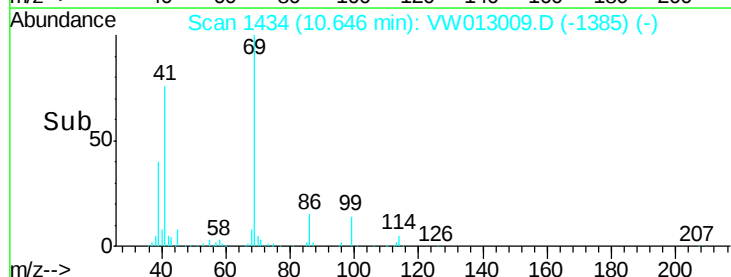
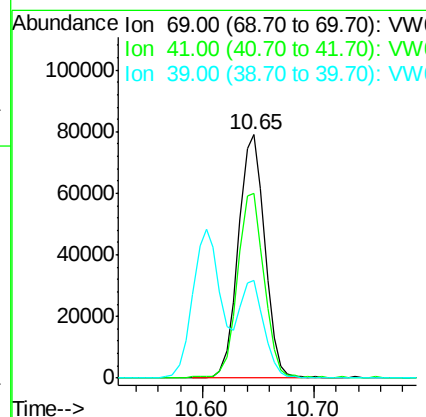
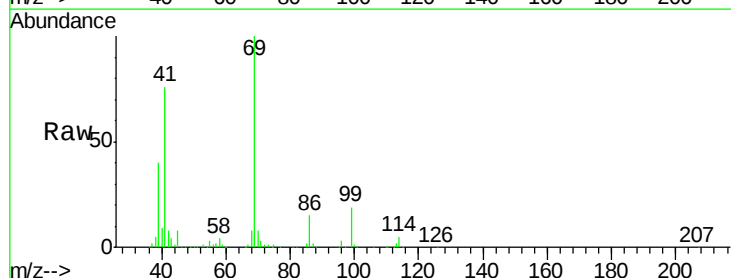
RT: 10.65 min Scan# 1434

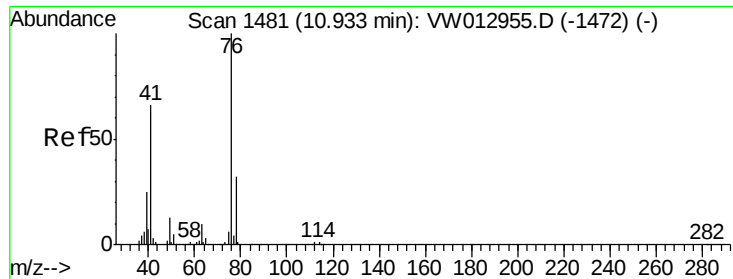
Delta R.T. -0.00 min

Lab File: VW013009.D

Acq: 14 Sep 2019 22:49

Tgt Ion:	69	Resp:	129958
Ion	Ratio	Lower	Upper
69	100		
41	76.8	60.8	91.2
39	35.4	29.4	44.0





#57

1,3-Dichloropropane

Concen: 56.287 ug/l

RT: 10.93 min Scan# 1481

Delta R.T. -0.00 min

Lab File: VW013009.D

Acq: 14 Sep 2019 22:49

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 161071

Ion Ratio Lower Upper

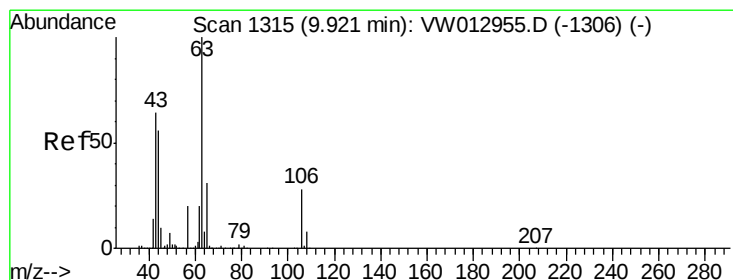
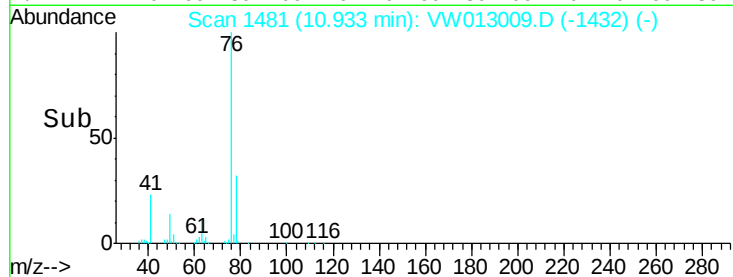
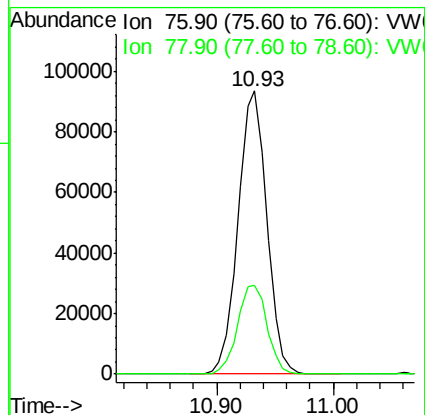
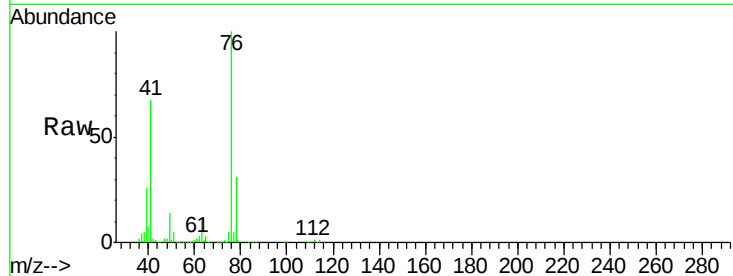
76 100

78 32.2 25.6 38.4

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#58

2-Chloroethyl Vinyl ether

Concen: 277.008 ug/l

RT: 9.92 min Scan# 1315

Delta R.T. -0.00 min

Lab File: VW013009.D

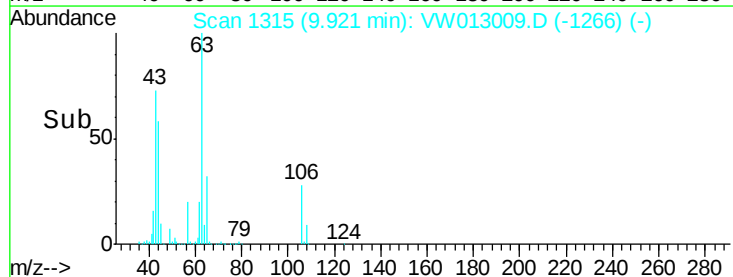
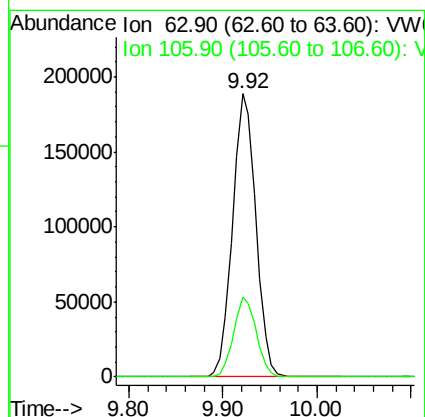
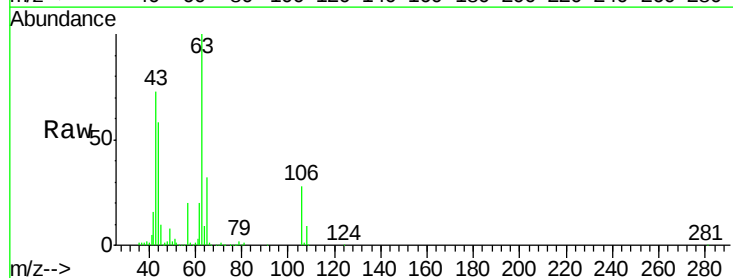
Acq: 14 Sep 2019 22:49

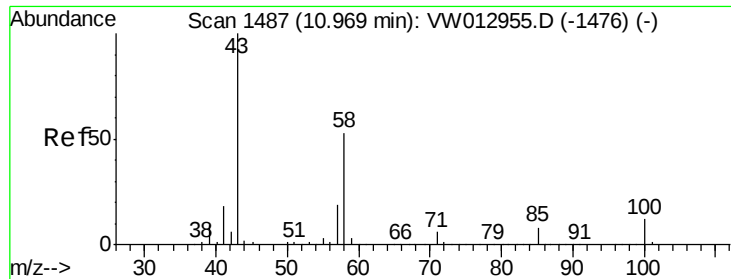
Tgt Ion: 63 Resp: 322652

Ion Ratio Lower Upper

63 100

106 27.5 22.2 33.2





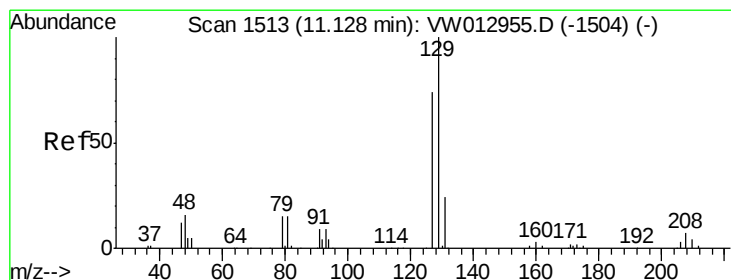
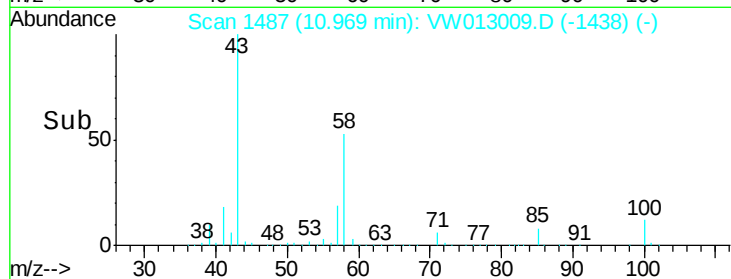
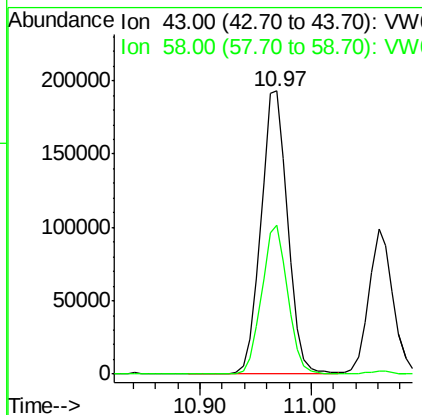
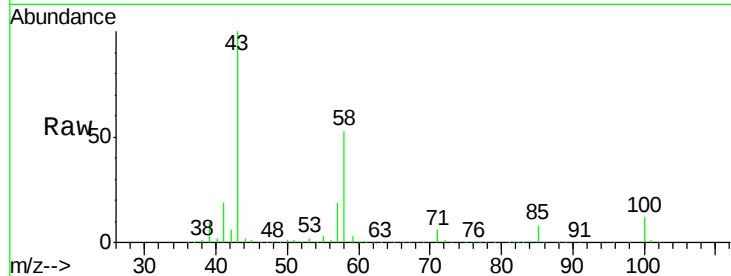
#59
2-Hexanone
Concen: 296.325 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VW013009.D
Acq: 14 Sep 2019 22:49

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 323514
Ion Ratio Lower Upper
43 100
58 51.3 25.8 77.3

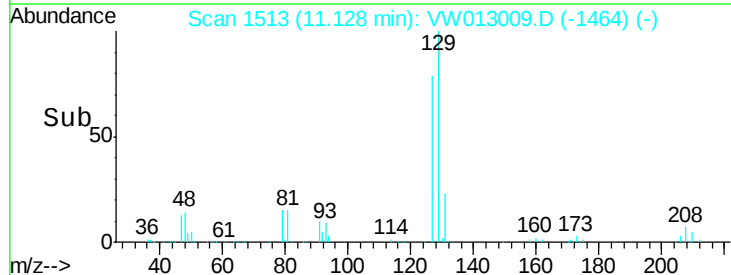
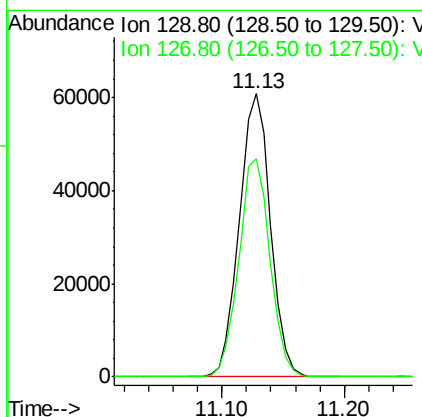
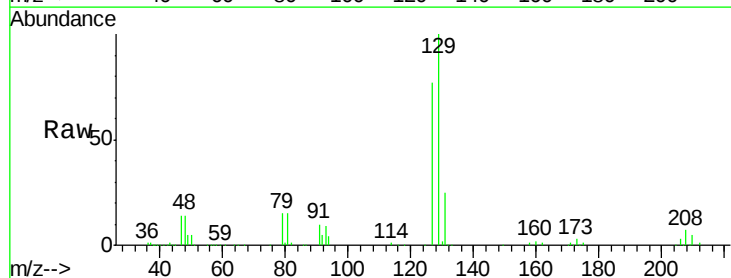
Manual Integrations
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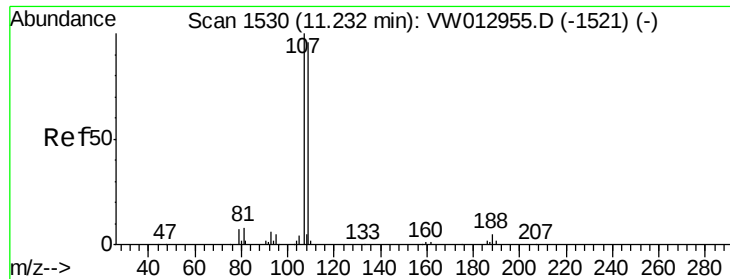
MMDadoda
9/16/2019 11:14:41 AM



#60
Dibromochloromethane
Concen: 54.911 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW013009.D
Acq: 14 Sep 2019 22:49

Tgt Ion: 129 Resp: 107093
Ion Ratio Lower Upper
129 100
127 77.2 37.4 112.2





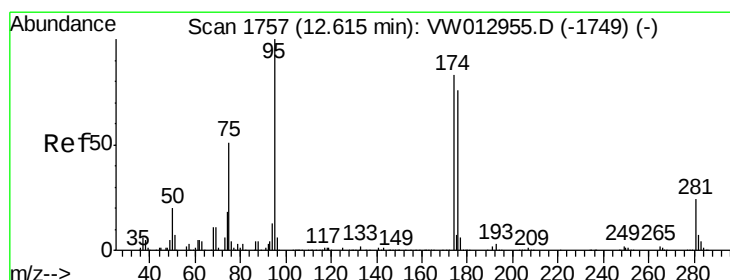
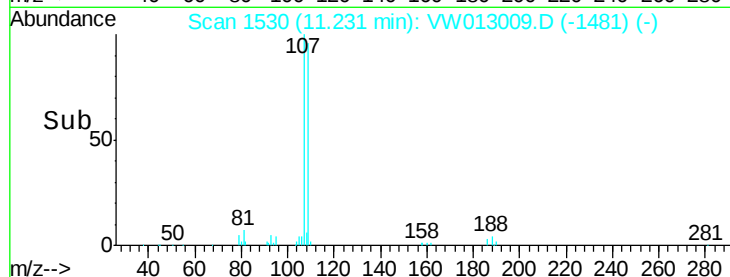
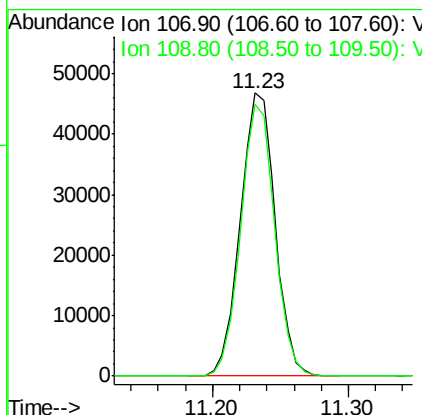
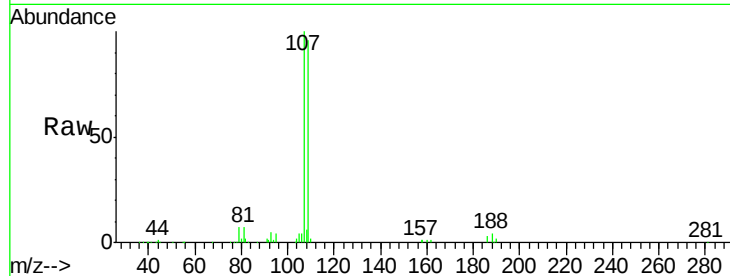
#61
 1,2-Dibromoethane
 Concen: 56.866 ug/l
 RT: 11.23 min Scan# 1530
 Delta R.T. -0.00 min
 Lab File: VW013009.D
 Acq: 14 Sep 2019 22:49

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
107	100		
109	93.8	75.0	112.6

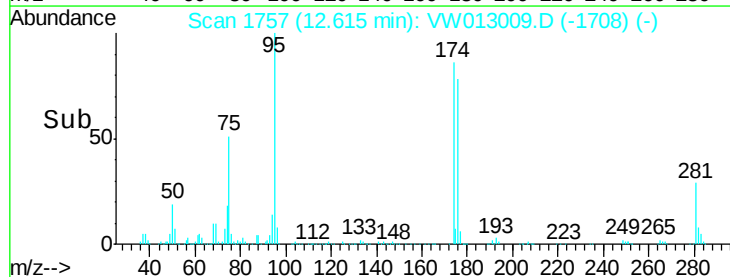
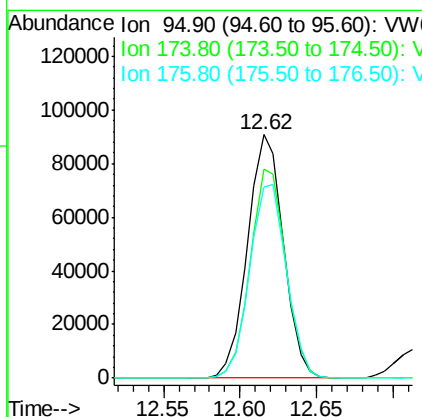
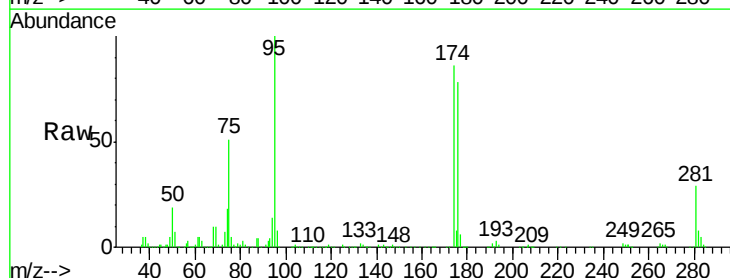
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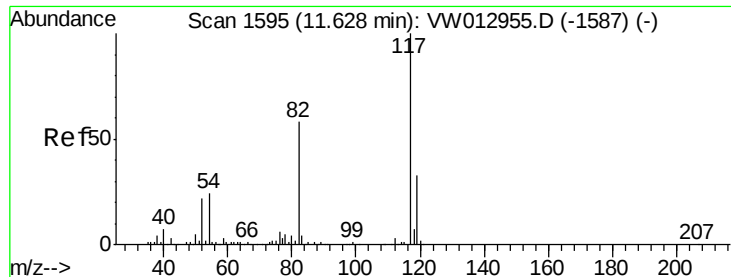
MMDadoda
 9/16/2019 11:14:41 AM



#62
 4-Bromofluorobenzene
 Concen: 51.835 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. -0.00 min
 Lab File: VW013009.D
 Acq: 14 Sep 2019 22:49

Tgt Ion	Ratio	Lower	Upper
95	100		
174	85.5	0.0	170.4
176	82.0	0.0	164.6





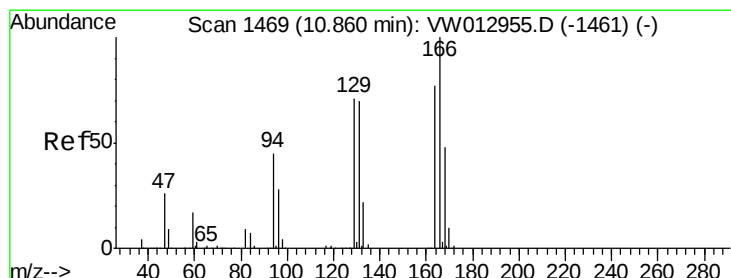
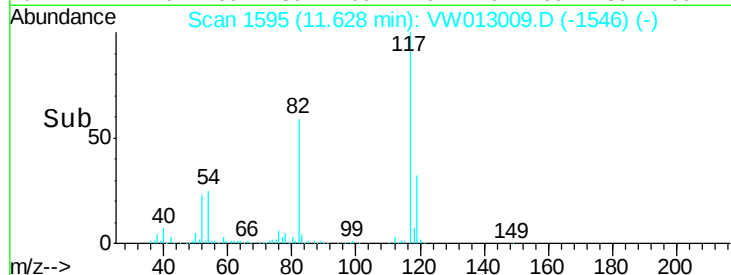
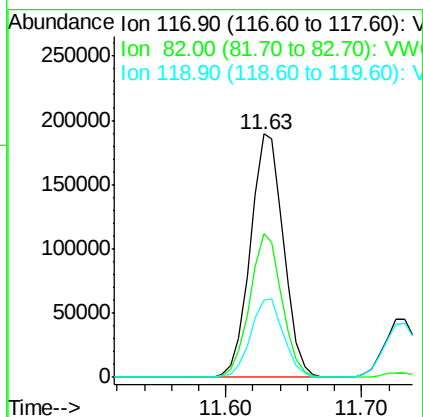
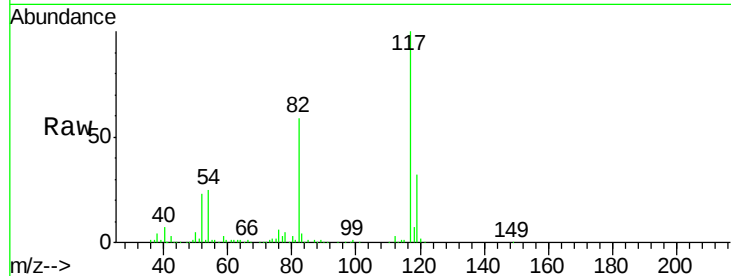
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.00 min
Lab File: VW013009.D
Acq: 14 Sep 2019 22:49

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
117	100	323457		
82	58.9	46.3	69.5	
119	31.9	26.2	39.4	

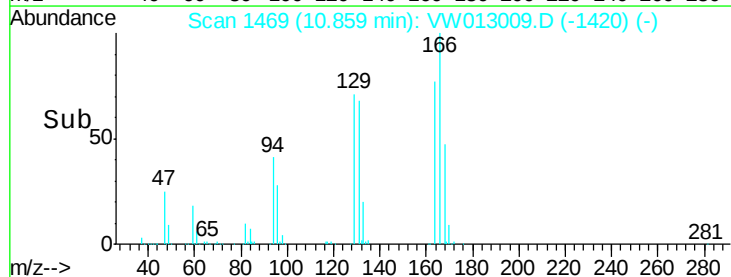
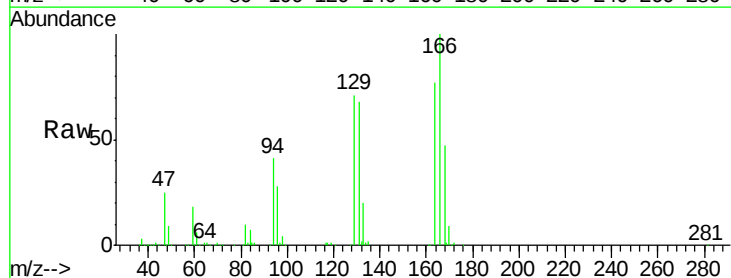
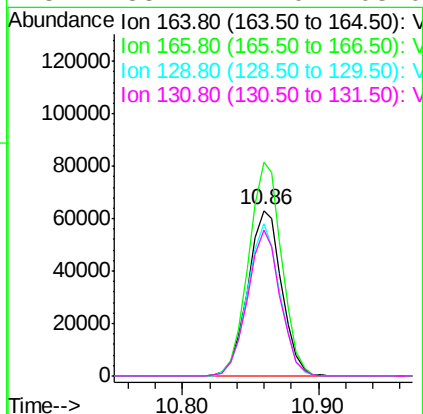
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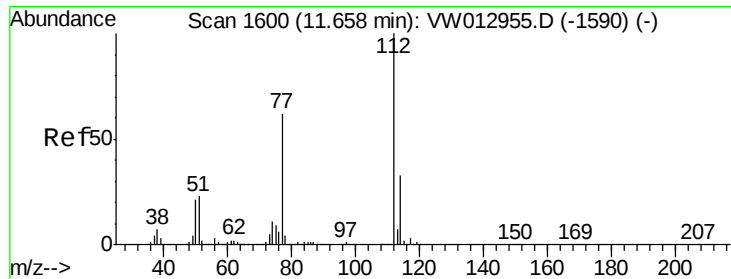
MMDadoda
9/16/2019 11:14:41 AM



#64
Tetrachloroethene
Concen: 57.096 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VW013009.D
Acq: 14 Sep 2019 22:49

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	109868		
166	129.0	103.3	154.9	
129	91.8	73.8	110.8	
131	88.2	72.0	108.0	





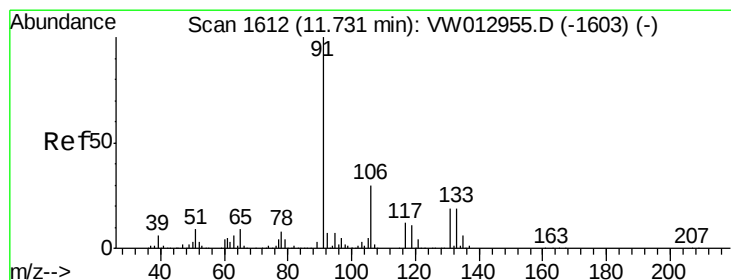
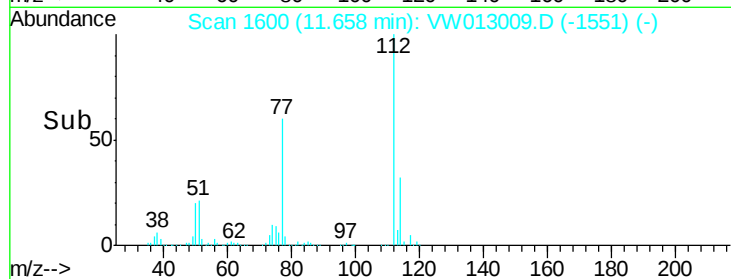
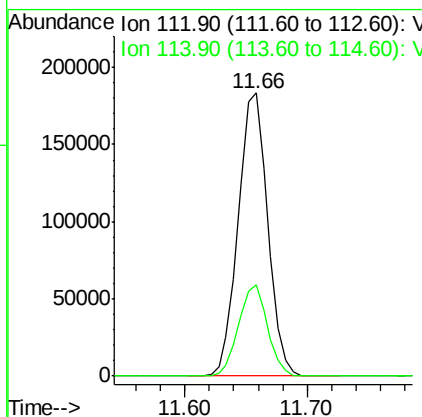
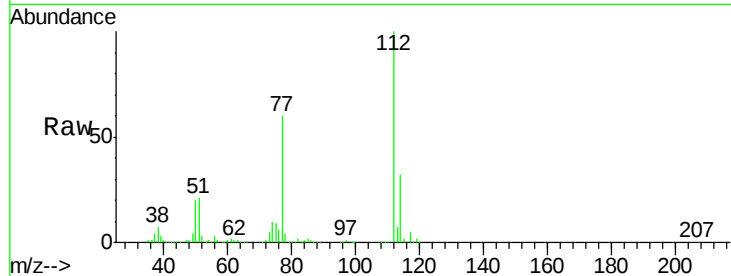
#65
Chlorobenzene
Concen: 53.215 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VW013009.D
Acq: 14 Sep 2019 22:49

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
112	100		
114	32.2	26.4	39.6

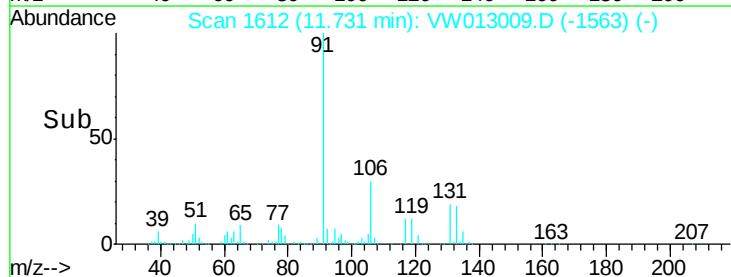
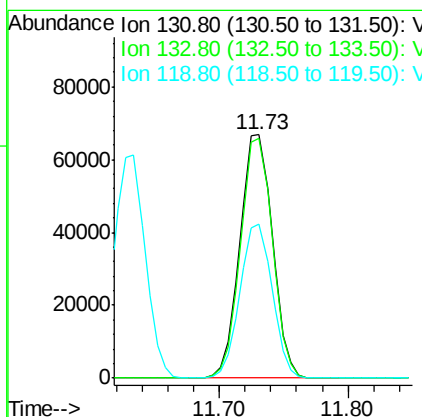
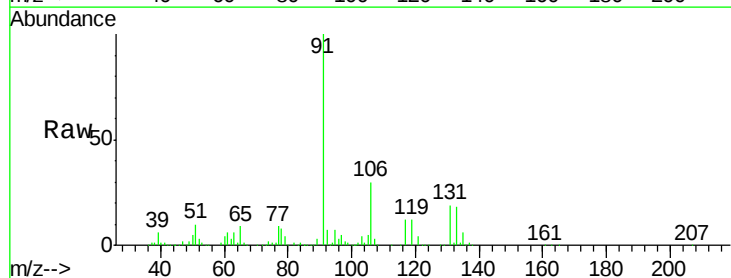
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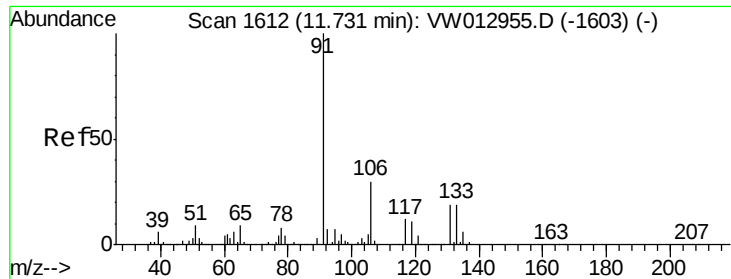
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#66
1,1,1,2-Tetrachloroethane
Concen: 53.076 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW013009.D
Acq: 14 Sep 2019 22:49

Tgt Ion	Ratio	Lower	Upper
131	100		
133	96.5	47.9	143.8
119	62.6	30.9	92.7





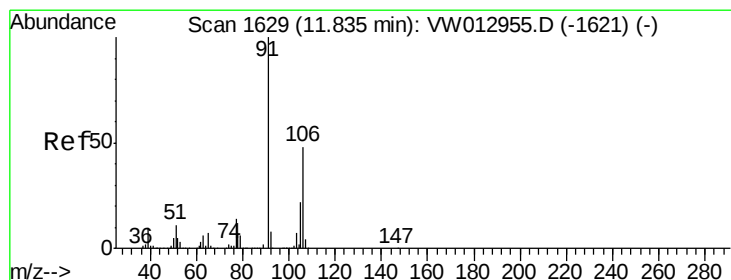
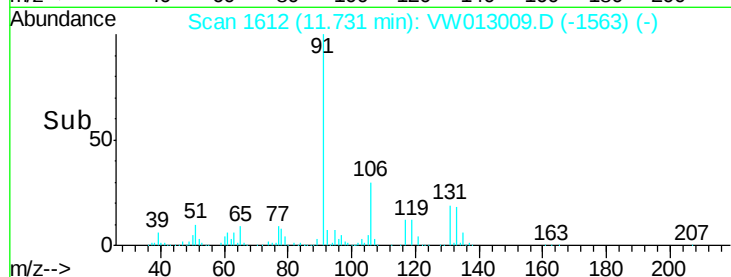
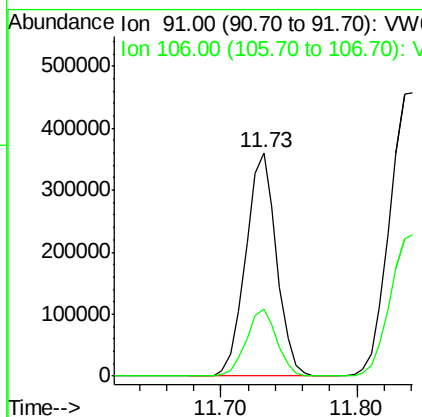
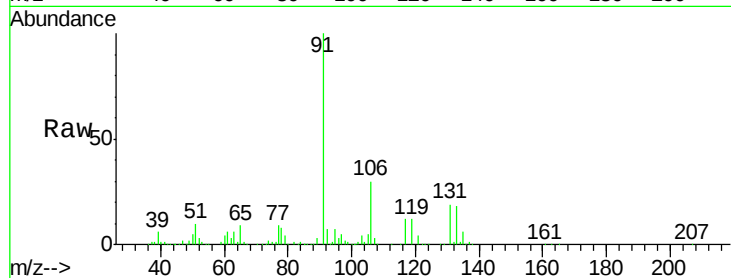
#67
Ethyl Benzene
Concen: 53.507 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW013009.D
Acq: 14 Sep 2019 22:49

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
91	100		
106	30.1	24.3	36.5

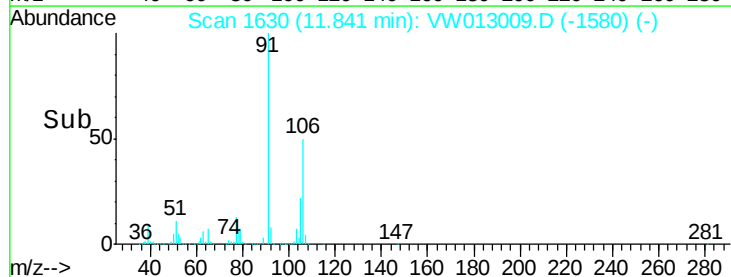
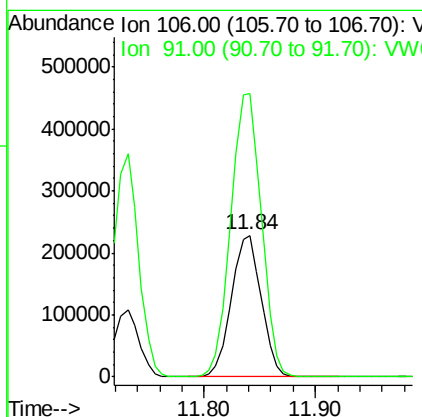
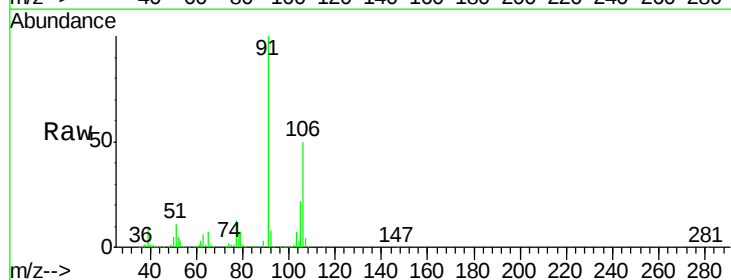
Manual Integrations
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#68
m/p-Xylenes
Concen: 108.544 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. 0.01 min
Lab File: VW013009.D
Acq: 14 Sep 2019 22:49

Tgt Ion	Ratio	Lower	Upper
106	100		
91	205.8	165.8	248.8





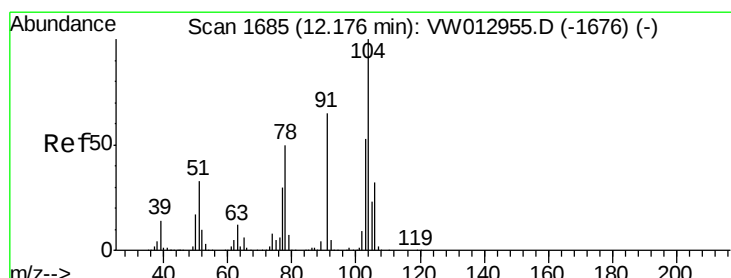
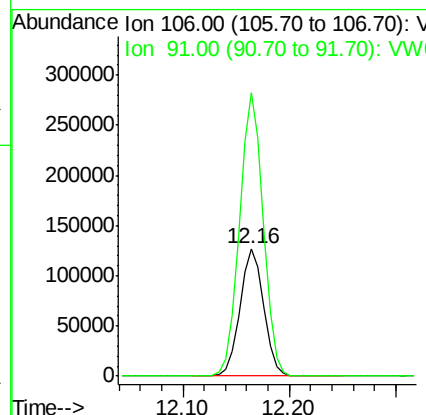
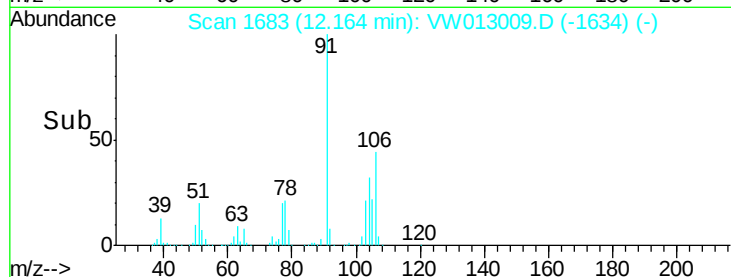
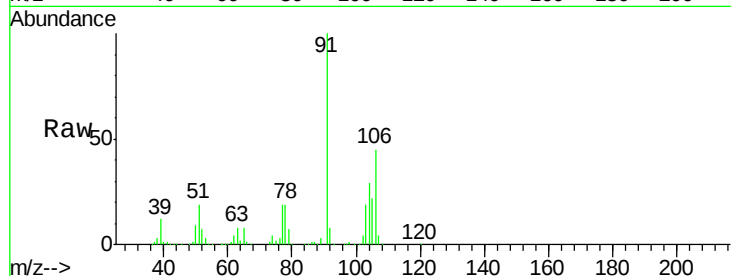
#69
o-Xylene
Concen: 54.434 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. -0.00 min
Lab File: VW013009.D
Acq: 14 Sep 2019 22:49

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion:106 Resp: 198378
Ion Ratio Lower Upper
106 100
91 221.9 109.7 329.0

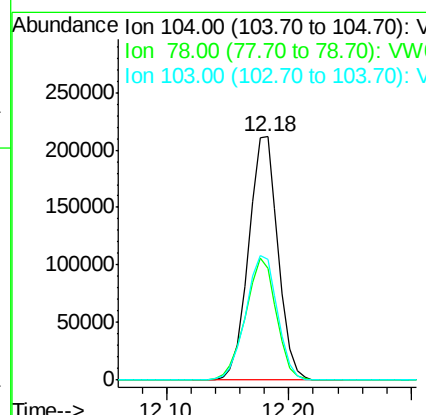
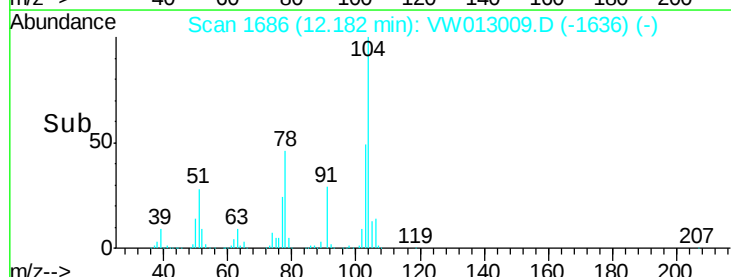
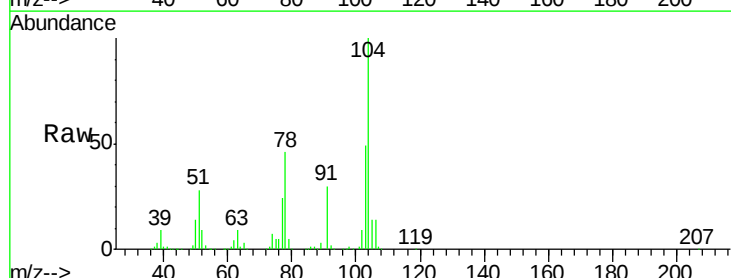
Manual Integrations
APPROVED

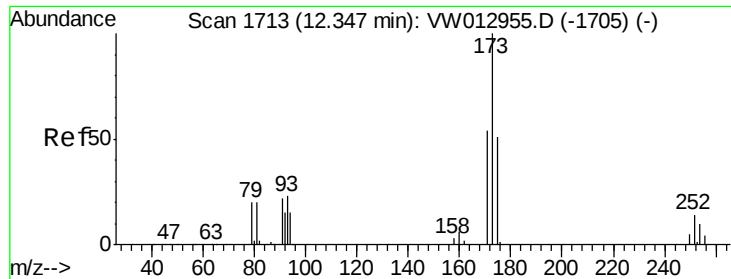
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#70
Styrene
Concen: 54.439 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. 0.01 min
Lab File: VW013009.D
Acq: 14 Sep 2019 22:49

Tgt Ion:104 Resp: 352921
Ion Ratio Lower Upper
104 100
78 52.6 42.1 63.1
103 55.2 44.2 66.4





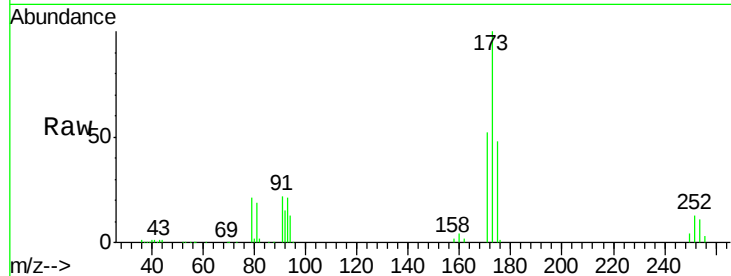
#71
Bromoform
Concen: 57.601 ug/l
RT: 12.35 min Scan# 1713
Delta R.T. -0.00 min
Lab File: VW013009.D
Acq: 14 Sep 2019 22:49

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
173	100		
175	47.9	24.2	72.6
254	0.0	0.1	0.1#

Manual Integrations
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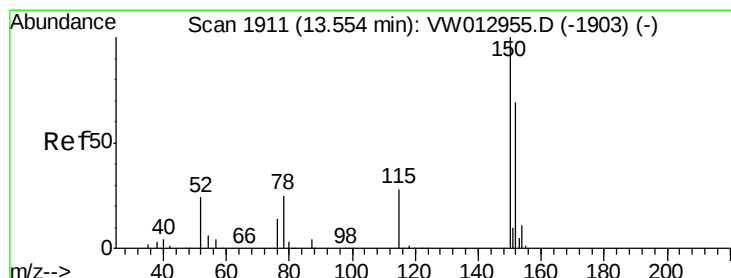
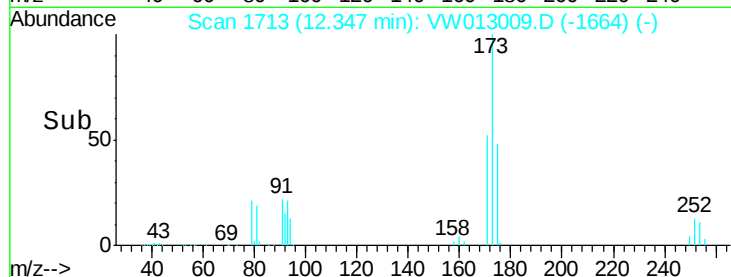
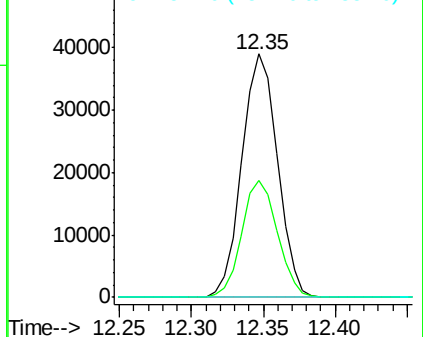


Abundance

Ion 172.70 (172.40 to 173.40): V

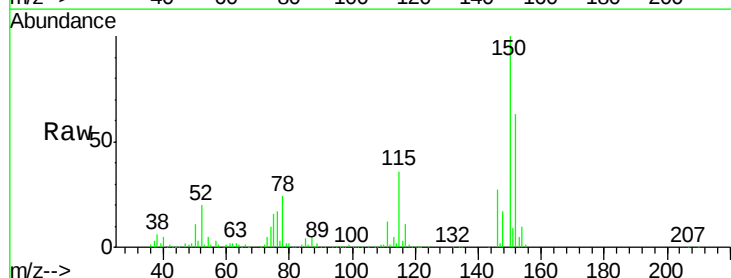
Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. 0.01 min
Lab File: VW013009.D
Acq: 14 Sep 2019 22:49

Tgt Ion	Ratio	Lower	Upper
152	100		
115	58.0	28.8	86.4
150	174.0	0.0	340.2

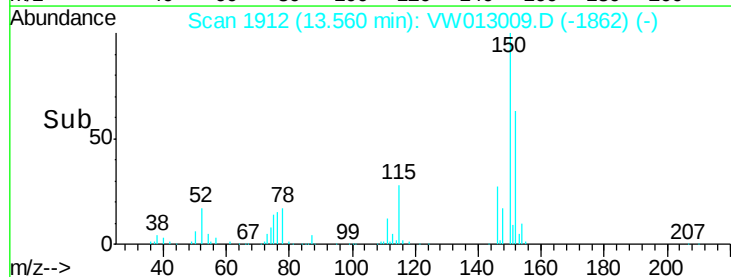
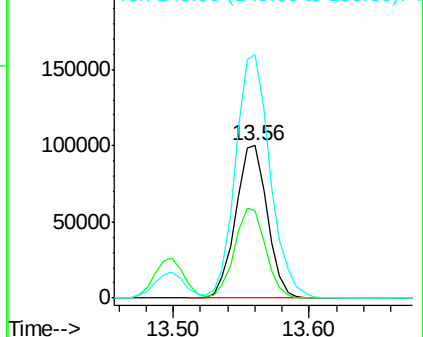


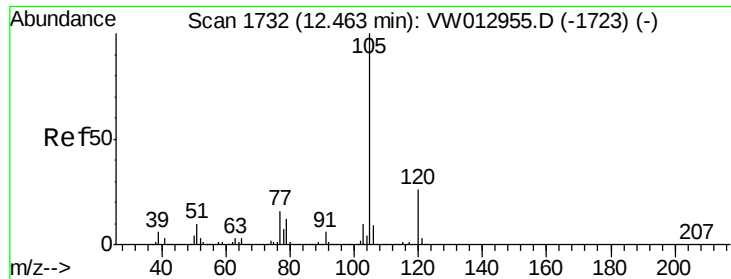
Abundance

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: 53.236 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. -0.00 min

Lab File: VW013009.D

Acq: 14 Sep 2019 22:49

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 105 Resp: 572826

Ion Ratio Lower Upper

105 100

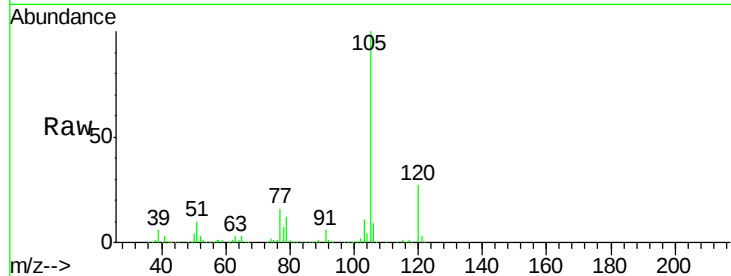
120 26.2 13.0 39.0

Manual Integrations

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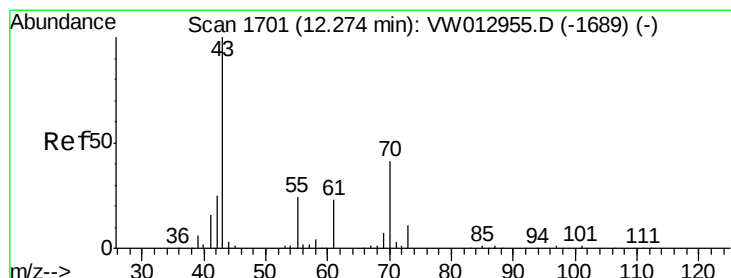
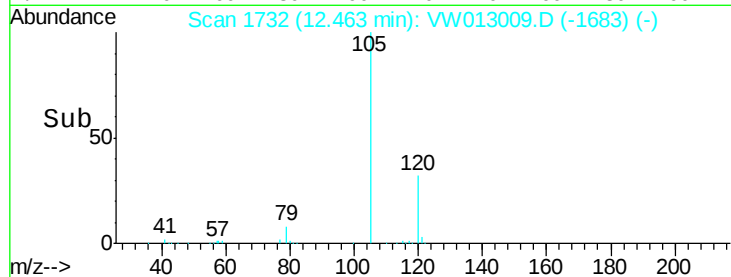
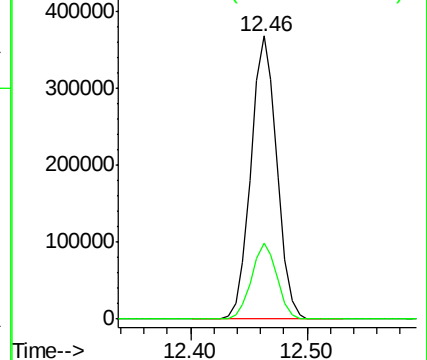
MMDadoda

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 57.801 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. -0.00 min

Lab File: VW013009.D

Acq: 14 Sep 2019 22:49

Tgt Ion: 43 Resp: 159990

Ion Ratio Lower Upper

43 100

70 38.8 31.7 47.5

55 23.0 19.4 29.2

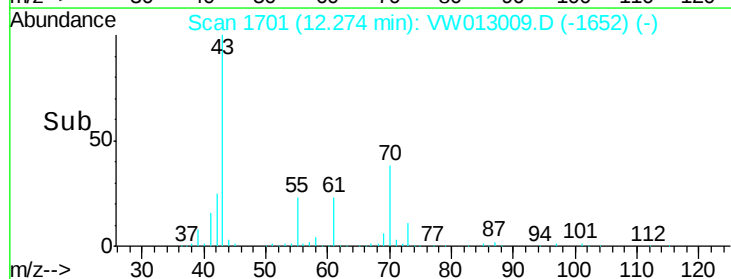
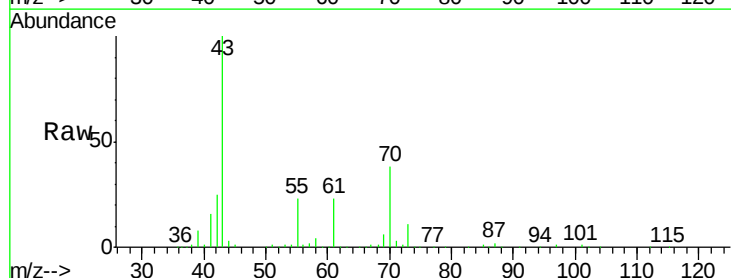
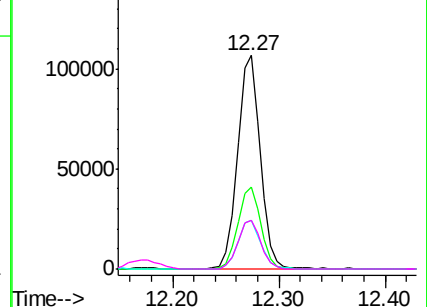
61 22.9 18.7 28.1

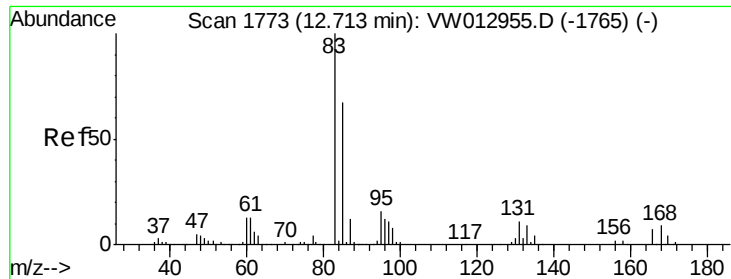
Abundance Ion 43.00 (42.70 to 43.70): VV

Ion 70.00 (69.70 to 70.70): VV

Ion 55.00 (54.70 to 55.70): VV

Ion 61.00 (60.70 to 61.70): VV





#75

1,1,2,2-Tetrachloroethane

Concen: 57.929 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. -0.00 min

Lab File: VW013009.D

Acq: 14 Sep 2019 22:49

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 83 Resp: 109479

Ion Ratio Lower Upper

83 100

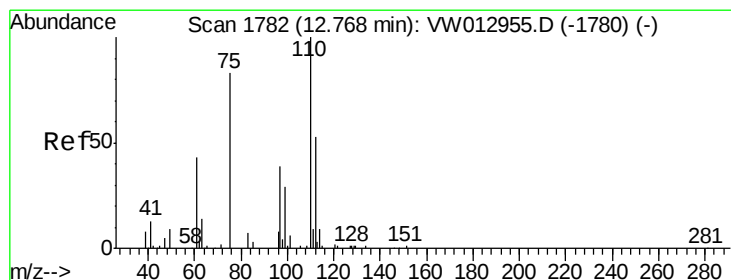
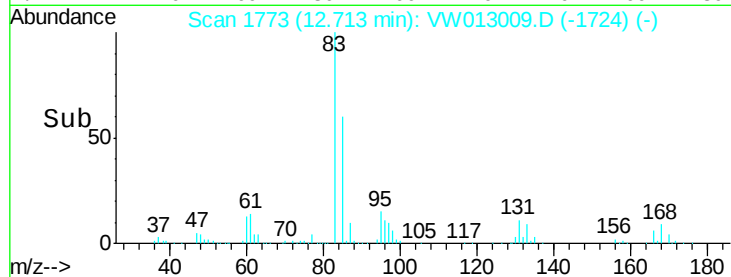
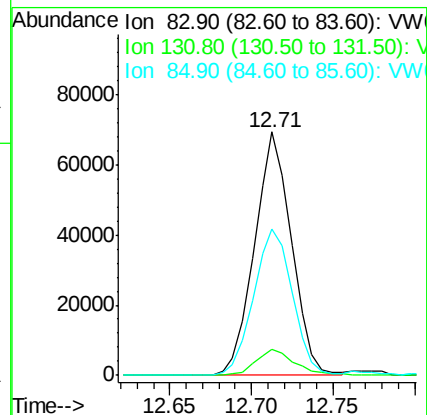
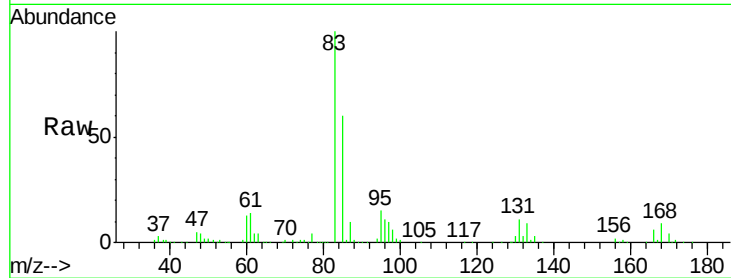
131 11.3 5.7 17.1

85 63.1 31.4 94.3

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#76

1,2,3-Trichloropropane

Concen: 61.420 ug/l m

RT: 12.77 min Scan# 1782

Delta R.T. -0.00 min

Lab File: VW013009.D

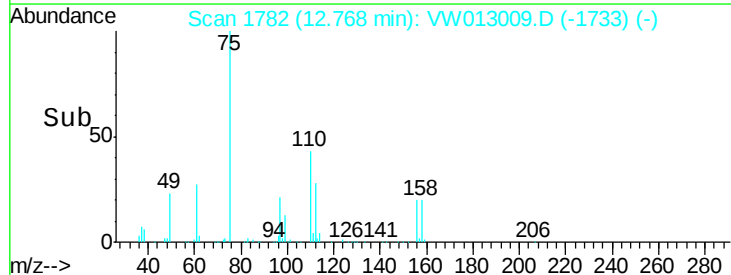
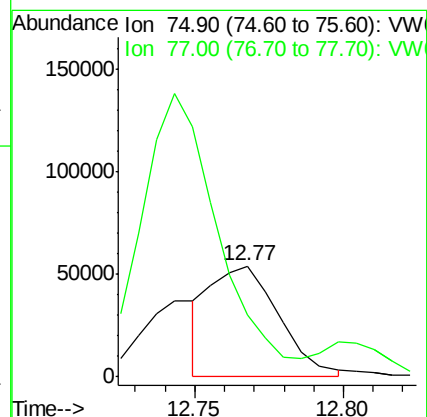
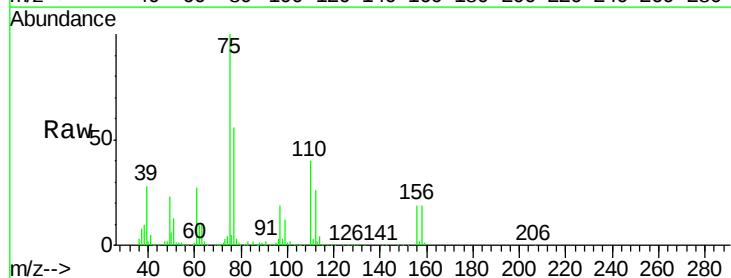
Acq: 14 Sep 2019 22:49

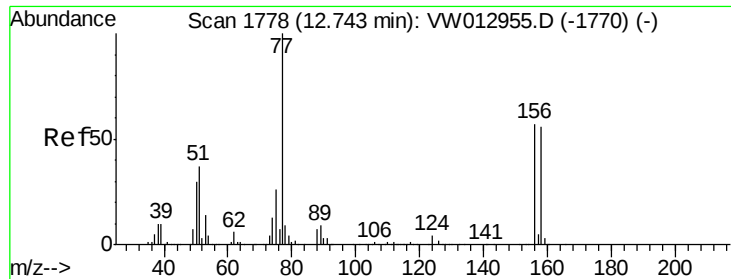
Tgt Ion: 75 Resp: 87336

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0





#77

Bromobenzene

Concen: 54.531 ug/l

RT: 12.74 min Scan# 1778

Delta R.T. -0.00 min

Lab File: VW013009.D

Acq: 14 Sep 2019 22:49

Instrument :

MSVOA_W

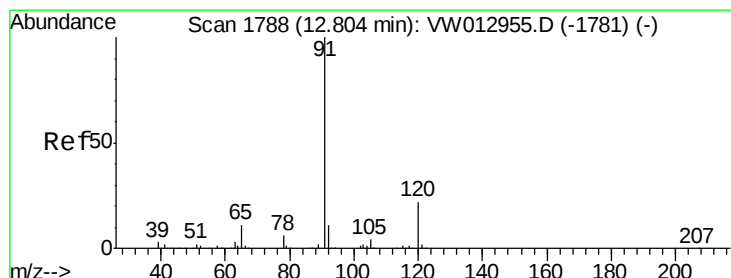
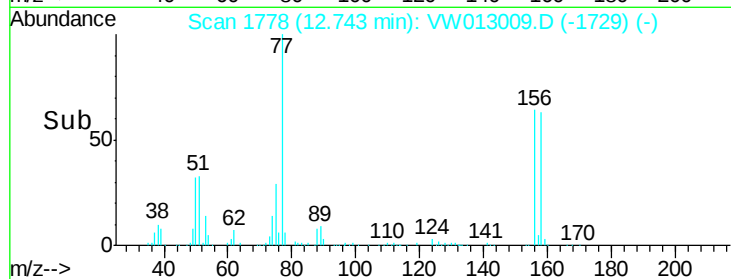
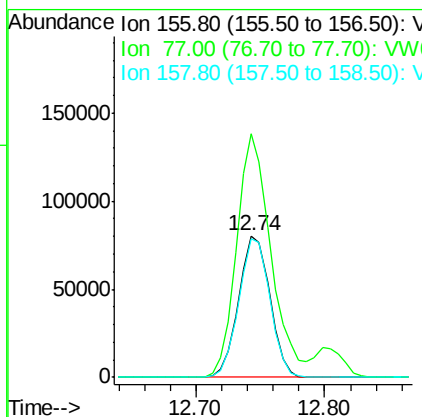
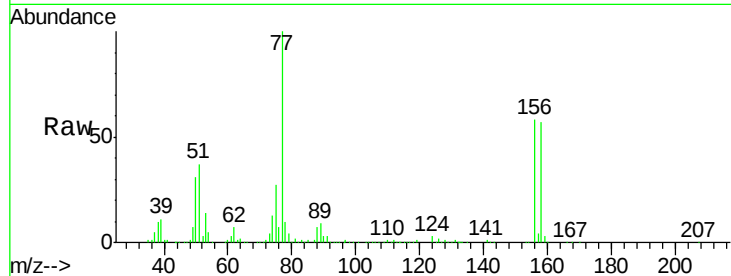
ClientSampleId :

VSTDCCC050

Tot Ion:	156	Resp:	135177
Ion Ratio	Lower	Upper	
156	100		
77	188.0	95.2	285.6
158	97.1	49.0	147.2

Manual Integrations
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#78

n-propylbenzene

Concen: 53.847 ug/l

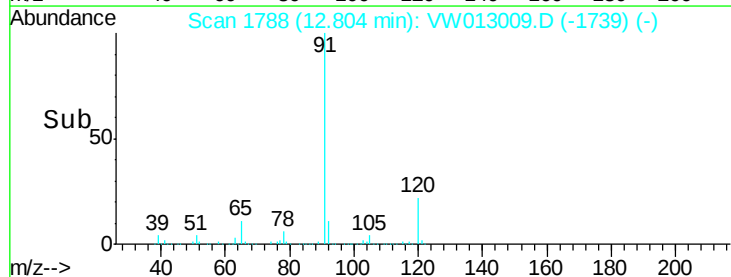
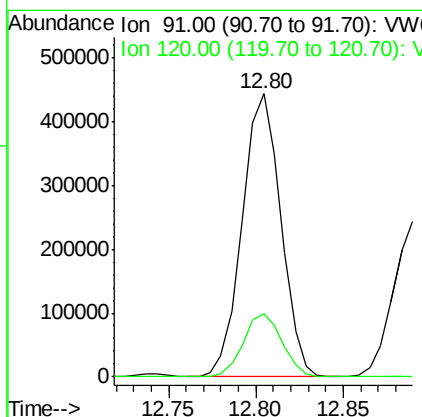
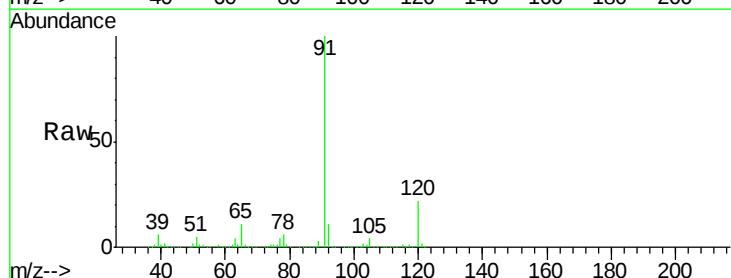
RT: 12.80 min Scan# 1788

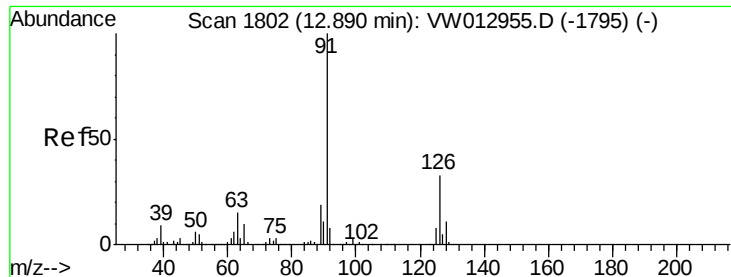
Delta R.T. -0.00 min

Lab File: VW013009.D

Acq: 14 Sep 2019 22:49

Tgt Ion:	91	Resp:	681560
Ion Ratio	Lower	Upper	
91	100		
120	22.4	11.2	33.5





#79

2-Chlorotoluene

Concen: 53.488 ug/l

RT: 12.89 min Scan# 1802

Delta R.T. -0.00 min

Lab File: VW013009.D

Acq: 14 Sep 2019 22:49

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 389182

Ion Ratio Lower Upper

91 100

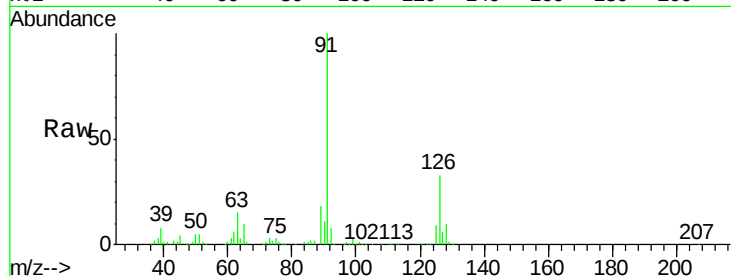
126 33.0 16.5 49.5

Manual Integrations

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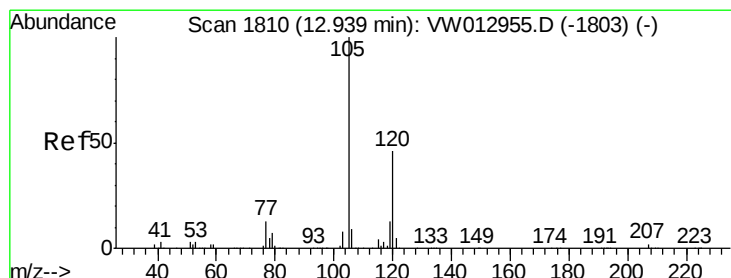
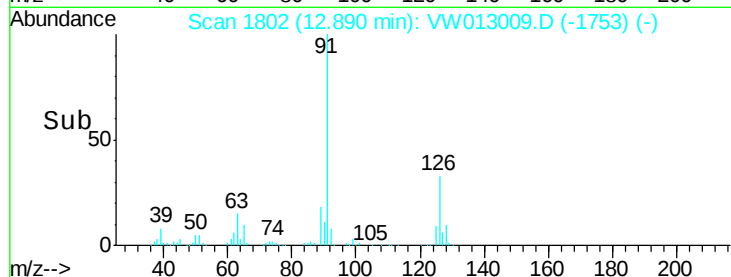
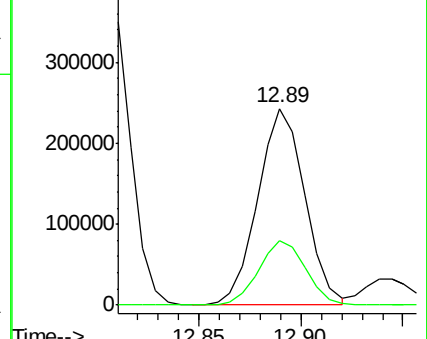
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Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 53.512 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. 0.01 min

Lab File: VW013009.D

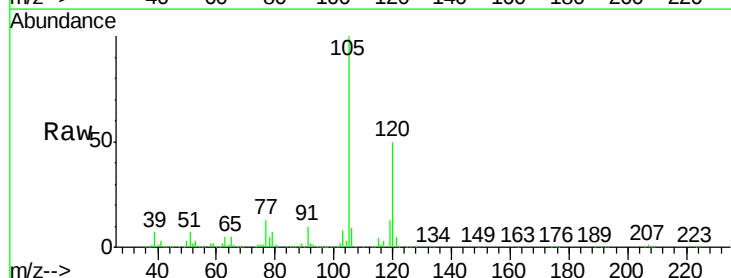
Acq: 14 Sep 2019 22:49

Tgt Ion: 105 Resp: 487122

Ion Ratio Lower Upper

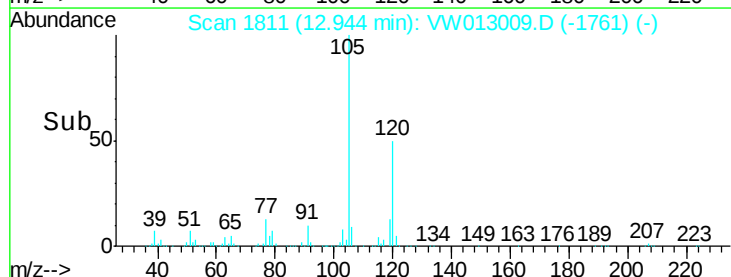
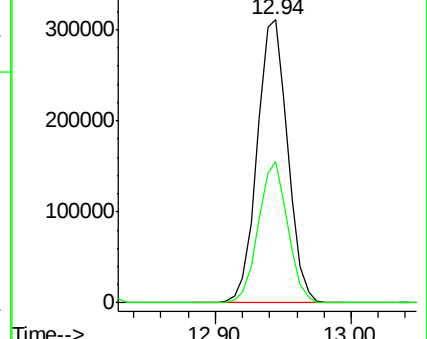
105 100

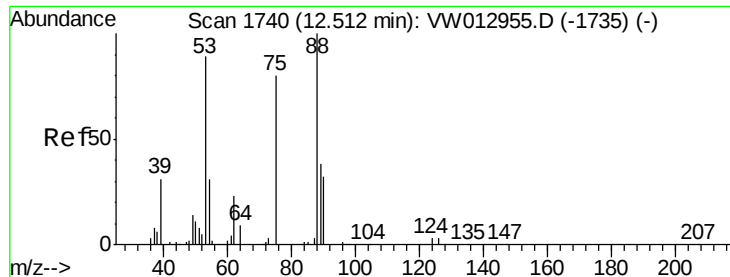
120 48.5 24.2 72.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





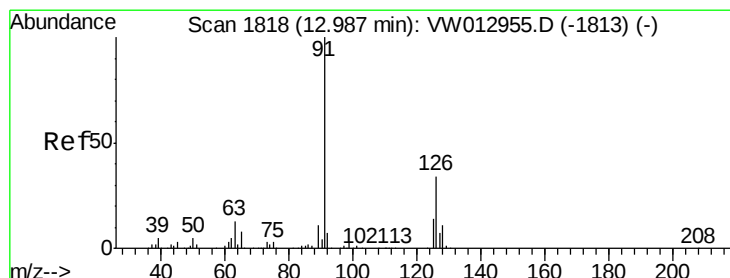
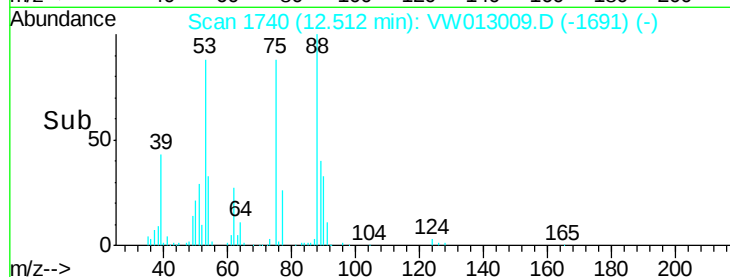
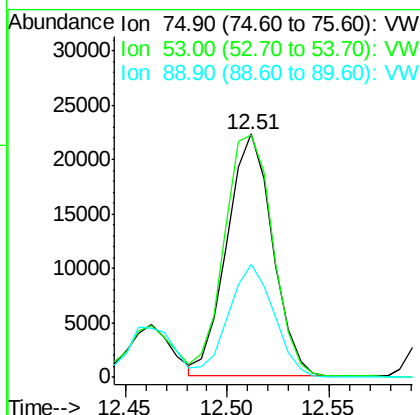
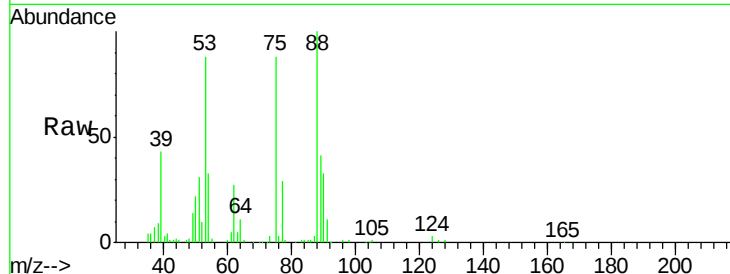
#81
trans-1,4-Dichloro-2-butene
Concen: 54.737 ug/l
RT: 12.51 min Scan# 1740
Delta R.T. -0.00 min
Lab File: VW013009.D
Acq: 14 Sep 2019 22:49

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
53	108.2	85.6	128.4
89	47.0	37.2	55.8

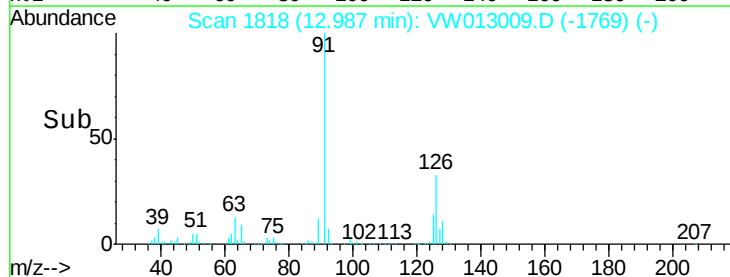
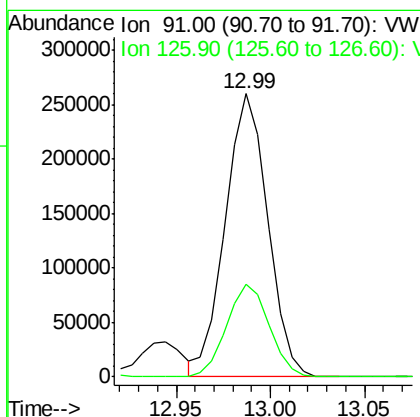
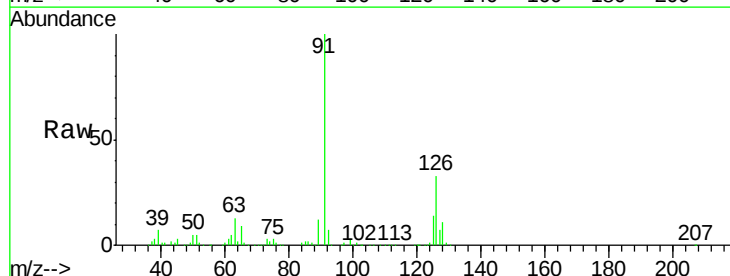
Manual Integrations
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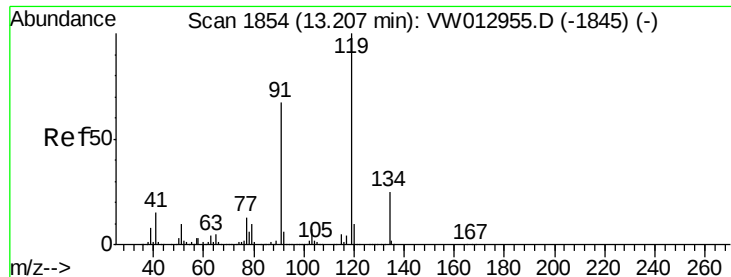
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#82
4-Chlorotoluene
Concen: 52.867 ug/l
RT: 12.99 min Scan# 1818
Delta R.T. -0.00 min
Lab File: VW013009.D
Acq: 14 Sep 2019 22:49

Tgt Ion	Ratio	Lower	Upper
91	100		
126	33.0	16.1	48.3





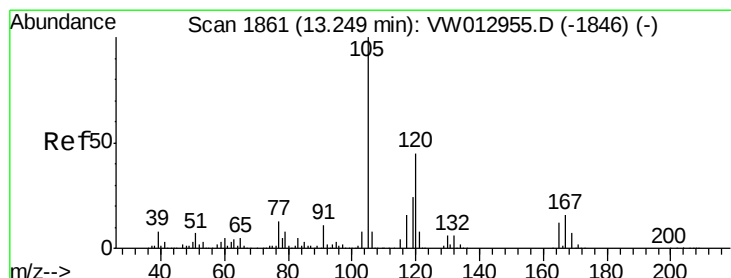
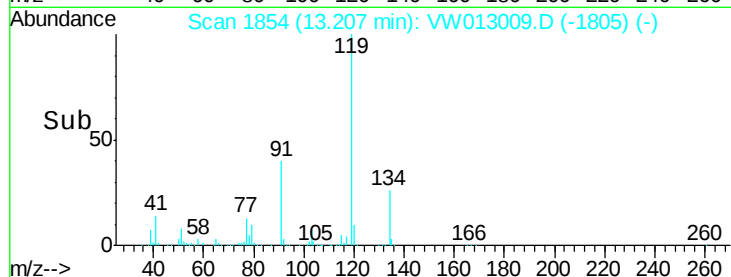
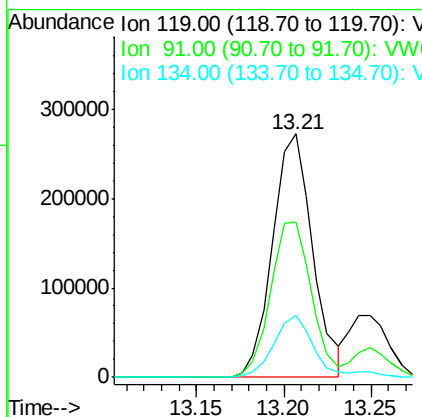
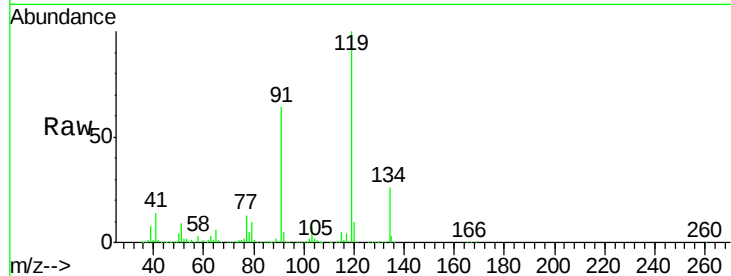
#83
tert-Butylbenzene
Concen: 53.502 ug/l
RT: 13.21 min Scan# 1854
Delta R.T. -0.00 min
Lab File: VW013009.D
Acq: 14 Sep 2019 22:49

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
119	100		
91	64.9	32.6	98.0
134	26.3	12.4	37.4

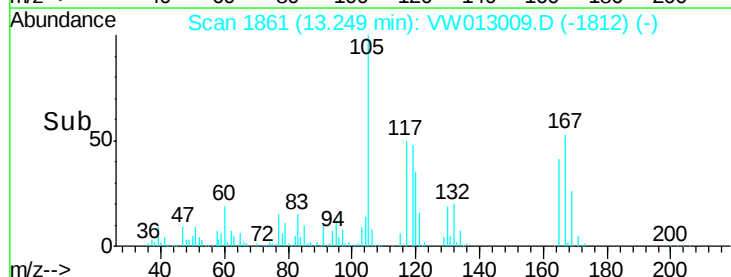
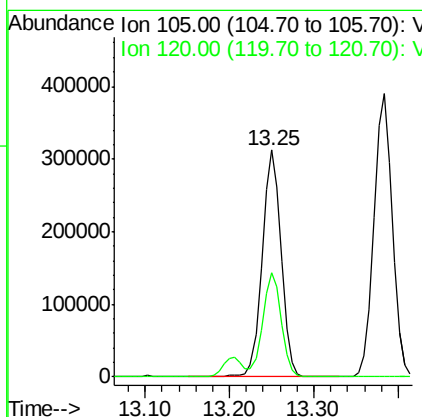
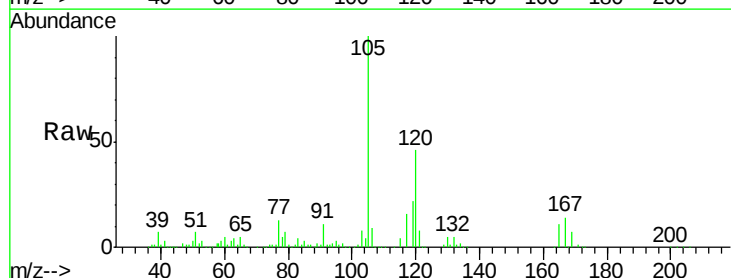
Manual Integrations
APPROVED

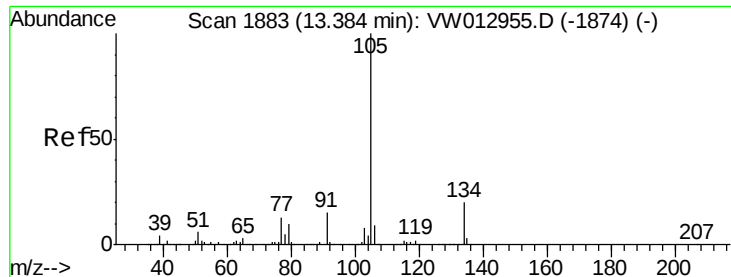
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#84
1,2,4-Trimethylbenzene
Concen: 53.659 ug/l
RT: 13.25 min Scan# 1861
Delta R.T. -0.00 min
Lab File: VW013009.D
Acq: 14 Sep 2019 22:49

Tgt Ion	Ratio	Lower	Upper
105	100		
120	44.4	21.9	65.7





#85

sec-Butylbenzene

Concen: 53.380 ug/l

RT: 13.38 min Scan# 1883

Delta R.T. -0.00 min

Lab File: VW013009.D

Acq: 14 Sep 2019 22:49

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 592175

Ion Ratio Lower Upper

105 100

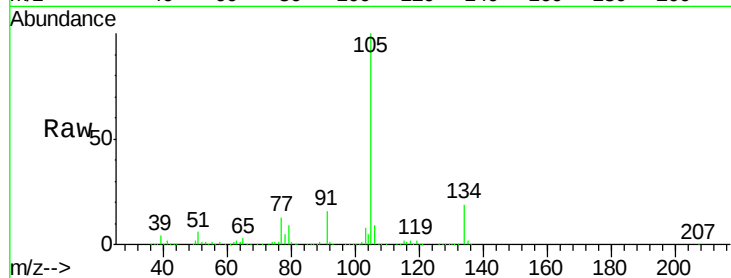
134 19.9 10.2 30.4

Manual Integrations

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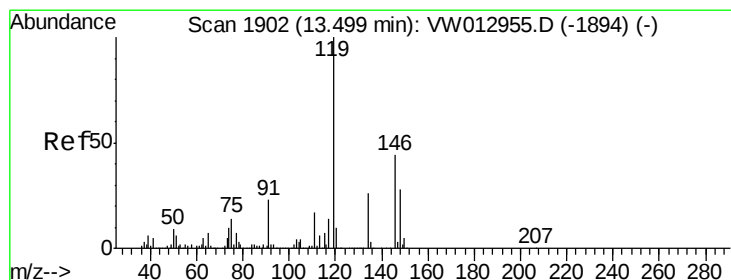
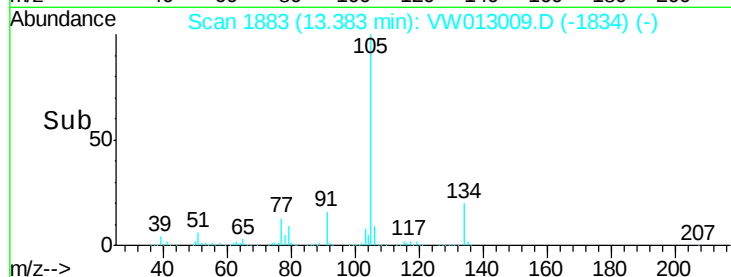
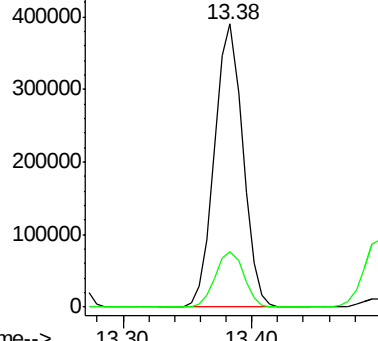
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 53.772 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. -0.00 min

Lab File: VW013009.D

Acq: 14 Sep 2019 22:49

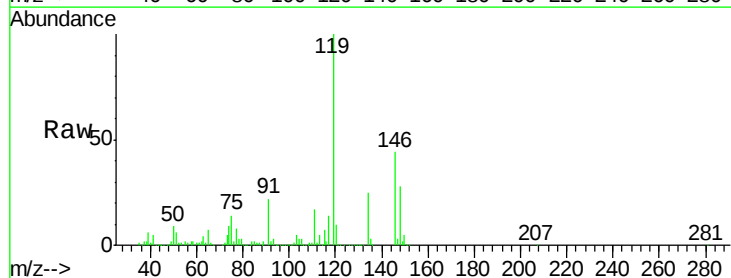
Tgt Ion:119 Resp: 547678

Ion Ratio Lower Upper

119 100

134 25.6 12.8 38.3

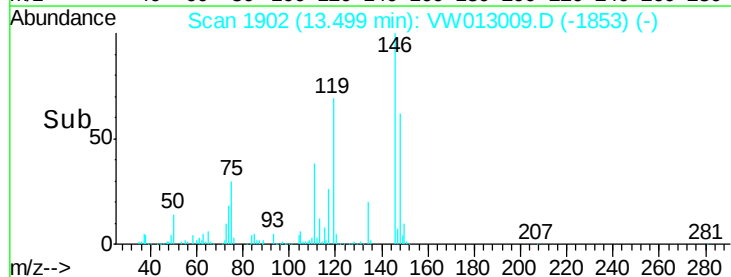
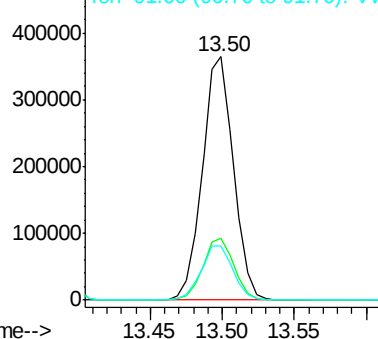
91 23.0 11.8 35.4

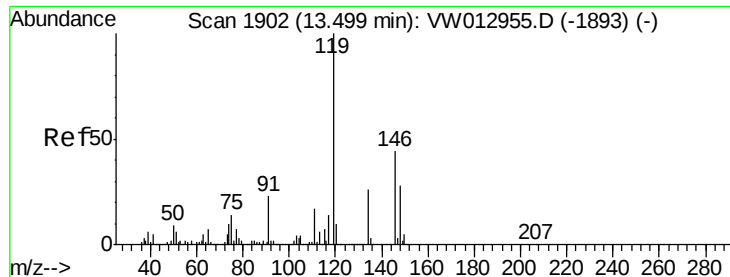


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





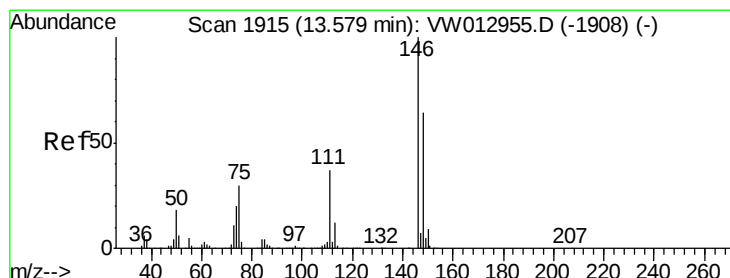
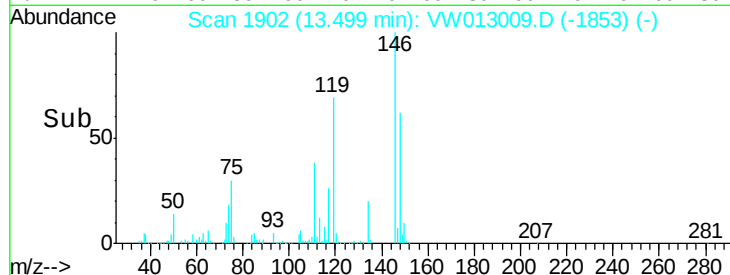
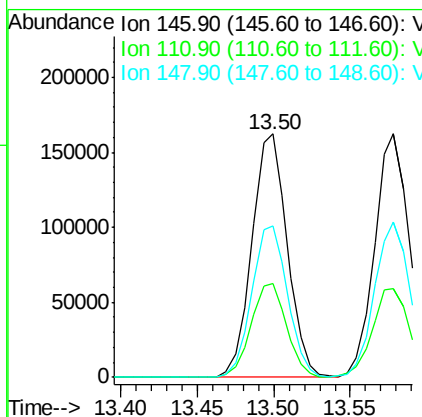
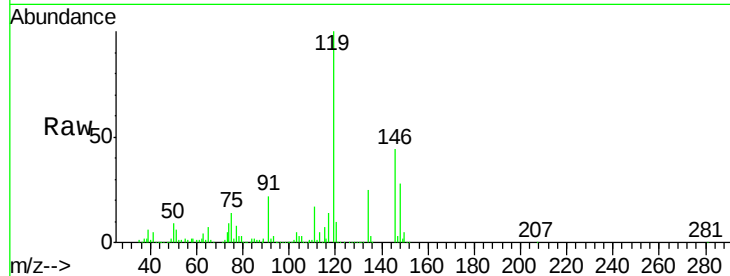
#87
 1,3-Dichlorobenzene
 Concen: 53.197 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW013009.D
 Acq: 14 Sep 2019 22:49

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.8	19.8	59.4
148	63.1	31.9	95.7

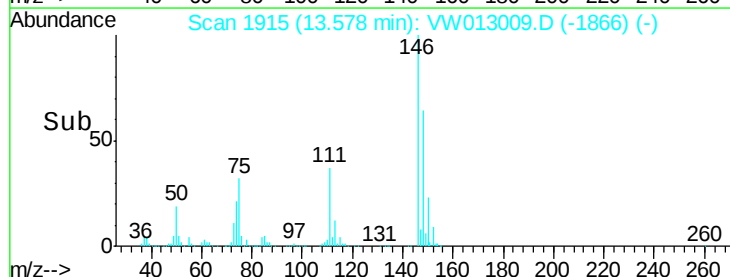
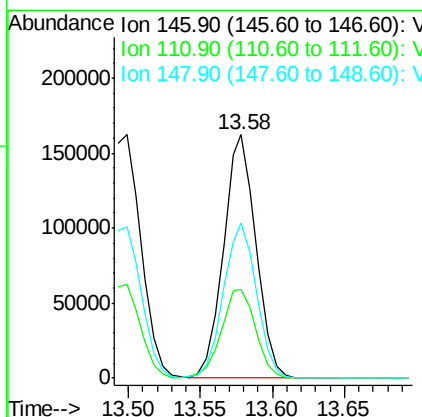
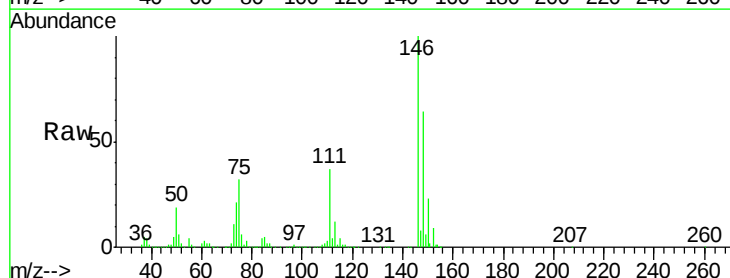
Manual Integrations
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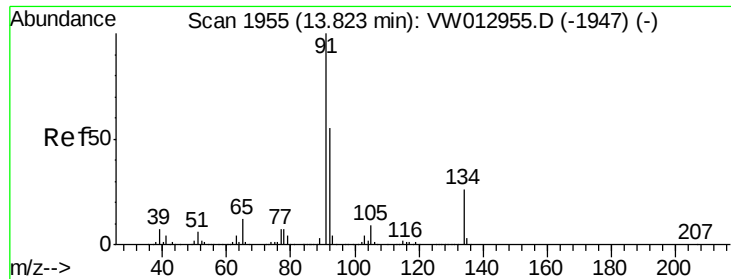
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#88
 1,4-Dichlorobenzene
 Concen: 52.996 ug/l
 RT: 13.58 min Scan# 1915
 Delta R.T. -0.00 min
 Lab File: VW013009.D
 Acq: 14 Sep 2019 22:49

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.4	19.4	58.2
148	64.9	31.9	95.5





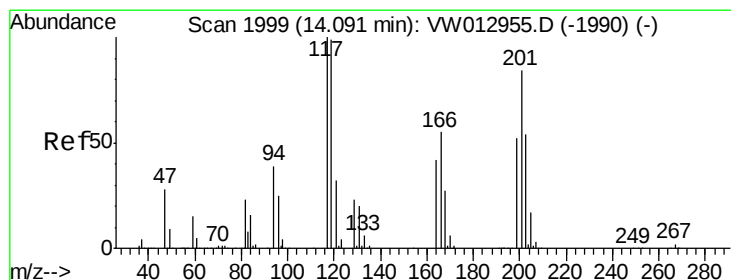
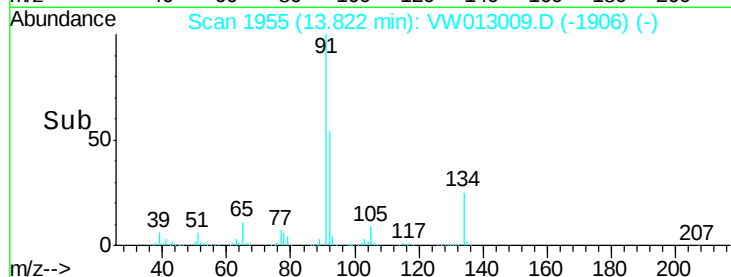
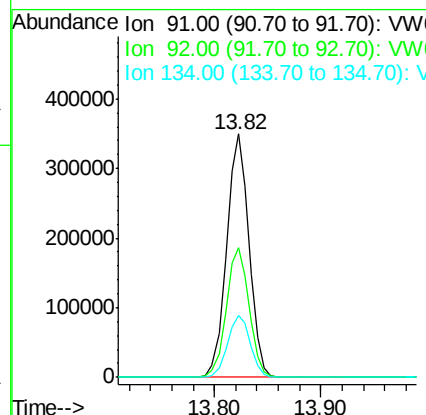
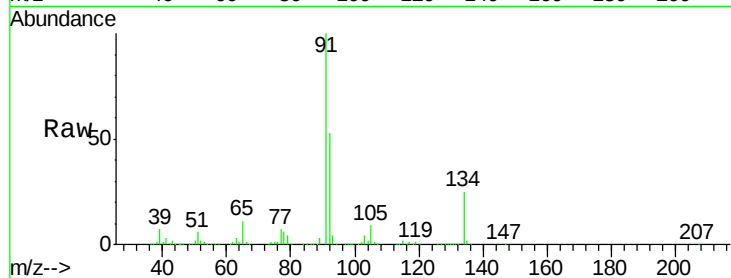
#89
n-Butylbenzene
Concen: 53.279 ug/l
RT: 13.82 min Scan# 1955
Delta R.T. -0.00 min
Lab File: VW013009.D
Acq: 14 Sep 2019 22:49

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
91	100	511766		
92	53.9		27.2	81.5
134	25.8		13.1	39.1

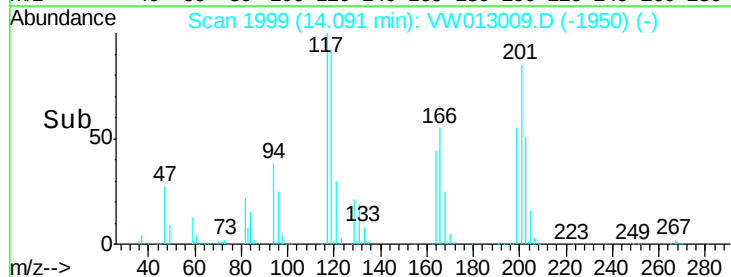
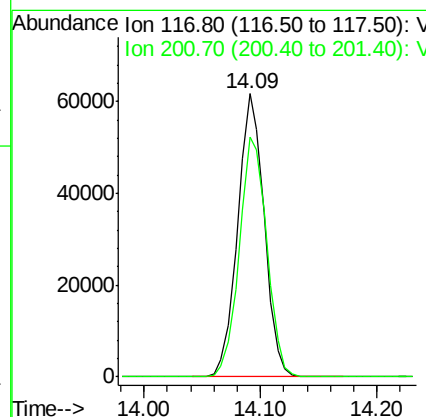
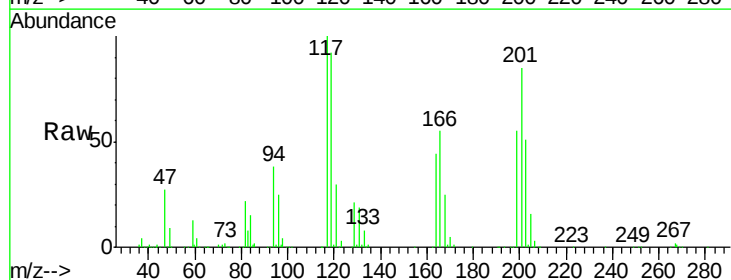
Manual Integrations
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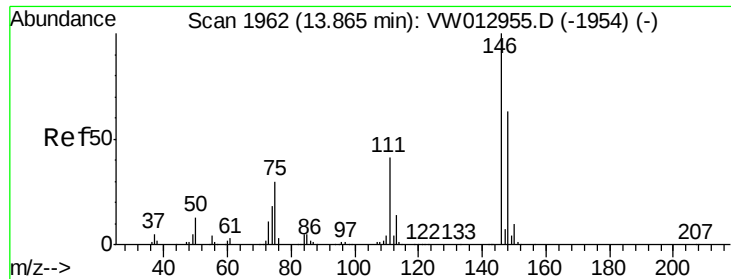
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#90
Hexachloroethane
Concen: 53.486 ug/l
RT: 14.09 min Scan# 1999
Delta R.T. -0.00 min
Lab File: VW013009.D
Acq: 14 Sep 2019 22:49

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	97625		
201	88.0		45.3	135.9





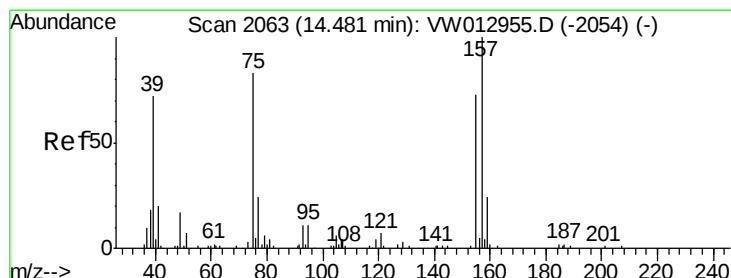
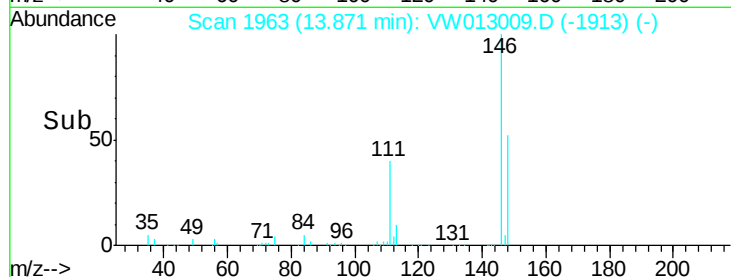
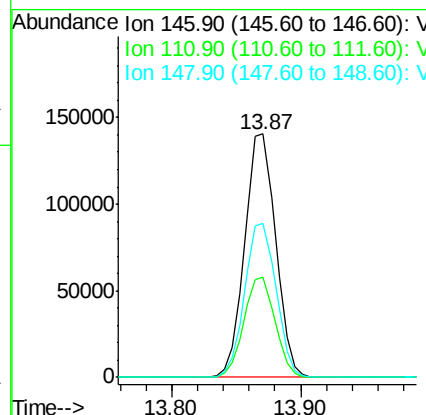
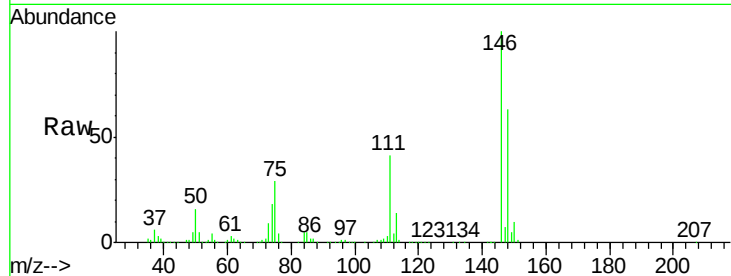
#91
 1,2-Dichlorobenzene
 Concen: 54.119 ug/l
 RT: 13.87 min Scan# 1963
 Delta R.T. 0.01 min
 Lab File: VW013009.D
 Acq: 14 Sep 2019 22:49

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
146	100	233545		
111	41.3	20.8	62.5	
148	63.9	32.7	98.1	

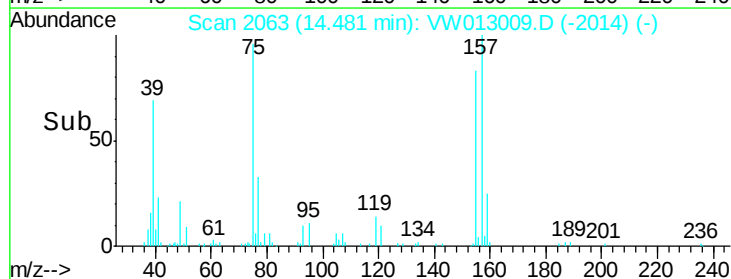
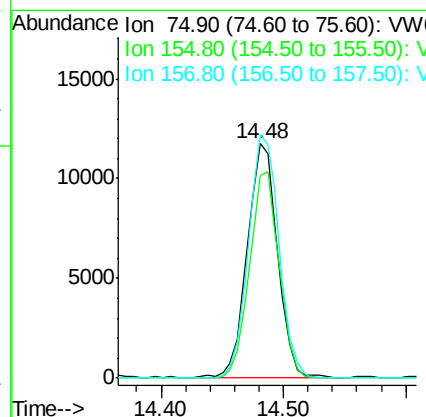
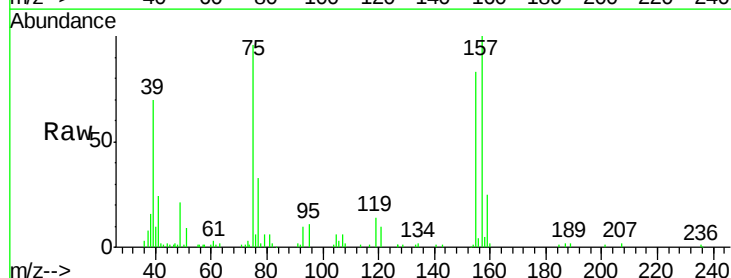
Manual Integrations
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 58.618 ug/l
 RT: 14.48 min Scan# 2063
 Delta R.T. -0.00 min
 Lab File: VW013009.D
 Acq: 14 Sep 2019 22:49

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	20278		
155	85.6	43.3	129.9	
157	103.9	54.7	164.1	





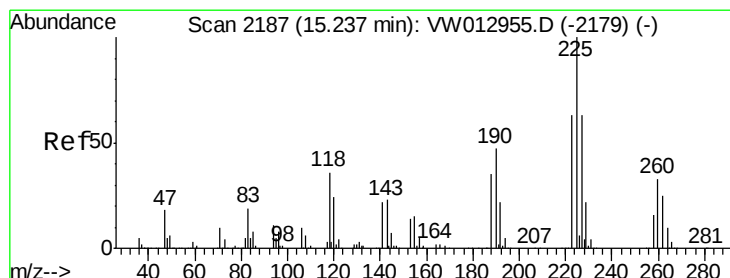
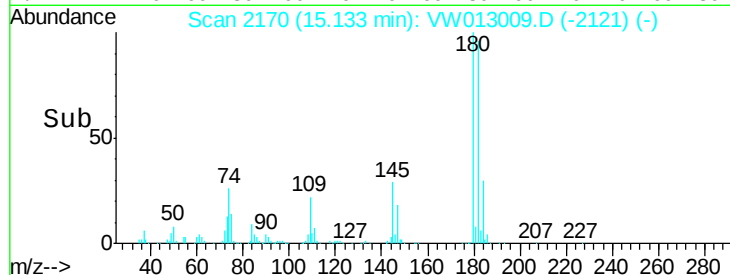
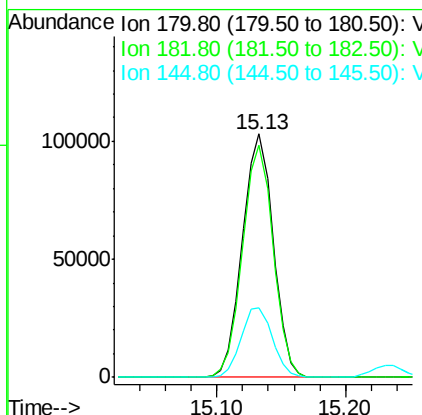
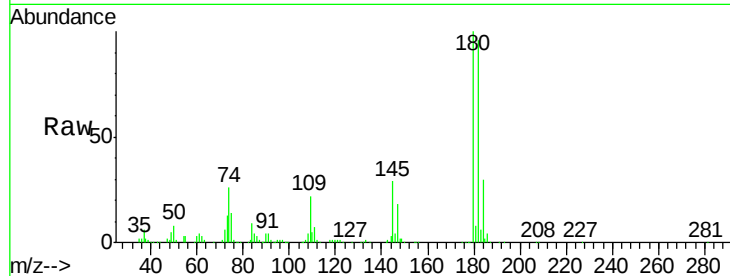
#93
 1,2,4-Trichlorobenzene
 Concen: 55.500 ug/l
 RT: 15.13 min Scan# 2170
 Delta R.T. -0.00 min
 Lab File: VW013009.D
 Acq: 14 Sep 2019 22:49

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100	170806		
182	94.6	47.4	142.2	
145	29.3	14.9	44.7	

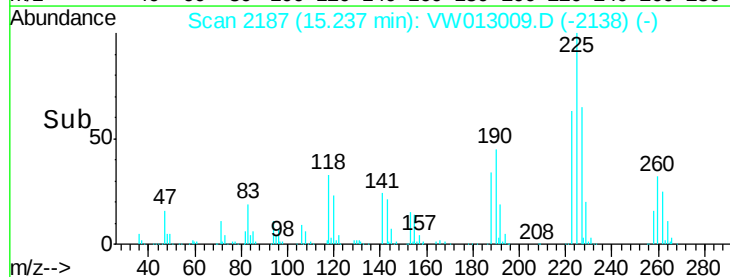
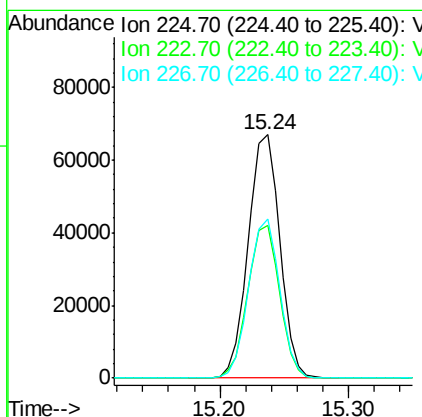
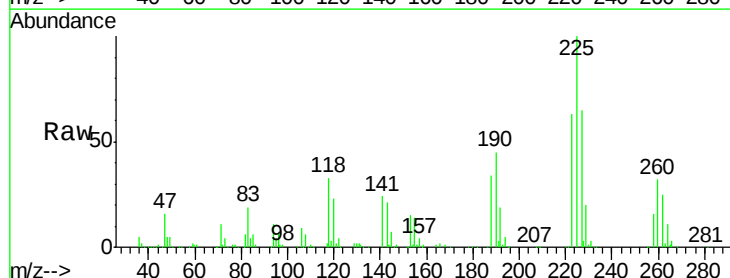
Manual Integrations
 APPROVED

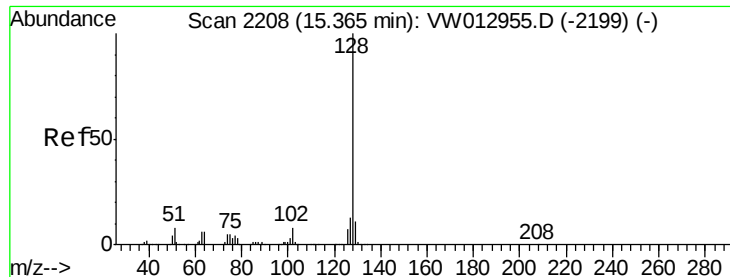
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#94
 Hexachlorobutadiene
 Concen: 52.031 ug/l
 RT: 15.24 min Scan# 2187
 Delta R.T. -0.00 min
 Lab File: VW013009.D
 Acq: 14 Sep 2019 22:49

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	113360		
223	63.0	31.8	95.3	
227	64.3	31.3	93.8	





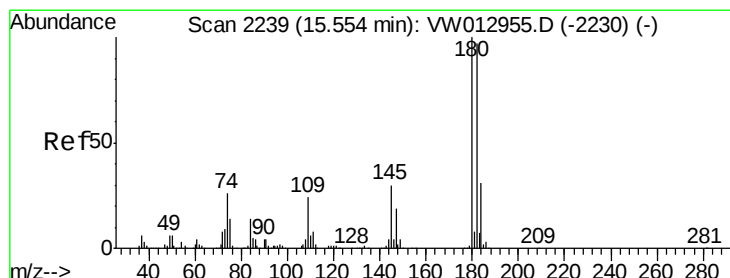
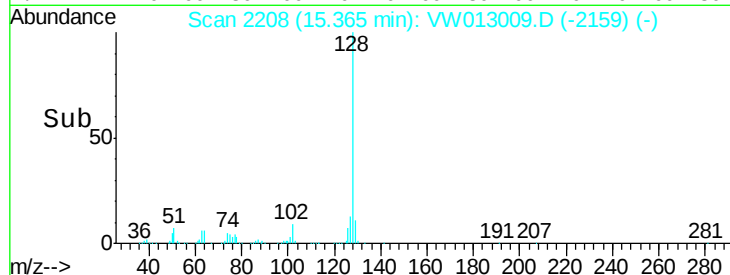
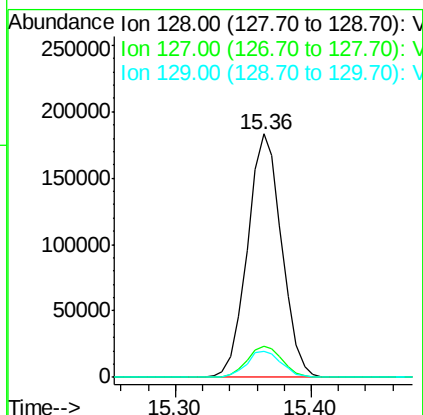
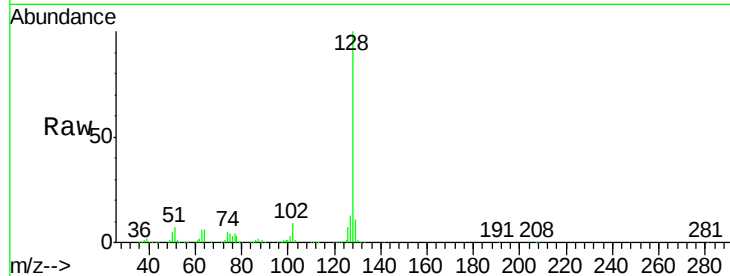
#95
Naphthalene
Concen: 62.619 ug/l
RT: 15.36 min Scan# 2208
Delta R.T. -0.00 min
Lab File: VW013009.D
Acq: 14 Sep 2019 22:49

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.1	11.0	16.6
129	11.0	8.6	12.8

Manual Integrations
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#96
1,2,3-Trichlorobenzene
Concen: 56.857 ug/l
RT: 15.55 min Scan# 2239
Delta R.T. -0.00 min
Lab File: VW013009.D
Acq: 14 Sep 2019 22:49

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.4	47.6	142.8
145	30.5	15.4	46.2

